VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2: (BOOK 1 OF 2) MANAGEMENT PLANS AND SUPPORTING DOCUMENTS

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 1

MANAGEMENT PLANS AND SUPPORTING DOCUMENTS

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Exhibit 4: Waste Screening and Inspection Plan .....

BOOK 2

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VOLUME 2: EXHIBIT NO. 1 LOCATION MAP, SITE PLAN, AND ENGINEERING DRAWINGS

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

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ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 2: EXHIBIT NO. 1
LOCATION MAP, SITE PLAN, AND ENGINEERING DRAWINGS

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C2	Grading Plan .....
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C5	Evaporation Pond & Septic Sys. Details .....
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A-201	Exterior Building Elevation – Demolition .....
A-202	Exterior Building Elevations .....
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LOCATION MAP, SITE PLAN, AND ENGINEERING DRAWINGS

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E-101	Electrical Power & Lighting .....
E-102	Electrical Site Lighting Plan .....
E-601	Electrical Schedules and Diagrams

1.0 COMPOSTING FACILITY ENGINEERING DRAWINGS

The Composting Facility at the VLLTS has not yet been constructed. Construction is scheduled to begin in mid to late 2019 and should be completed by the Spring of 2020. Once construction has been completed and record drawings have been generated, those drawings will be submitted to NMED under separate cover.

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
CONSTRUCTION PLANS

JULY, 1998

DRAWING INDEX

SHEET	TITLE
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C3	ROAD LAYOUT/DETAIL
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A3	SECTIONS & DETAILS
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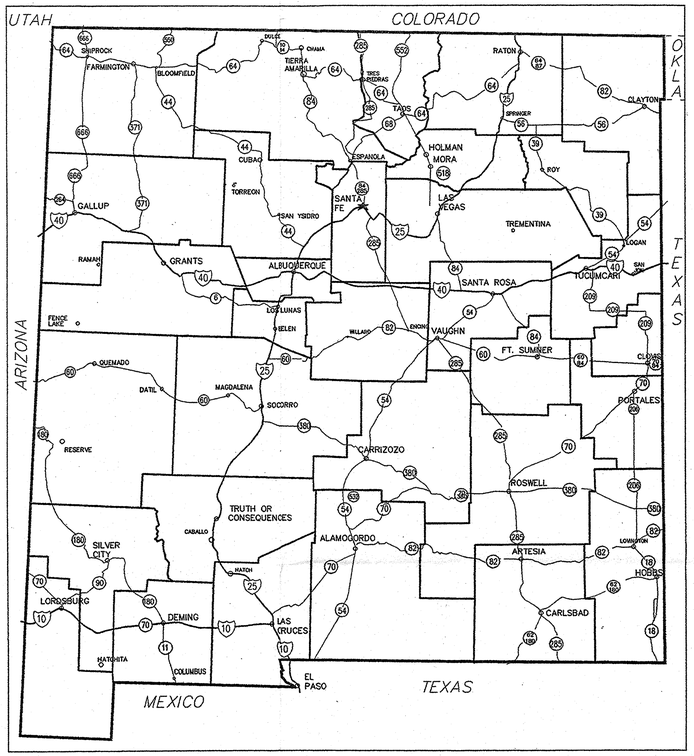
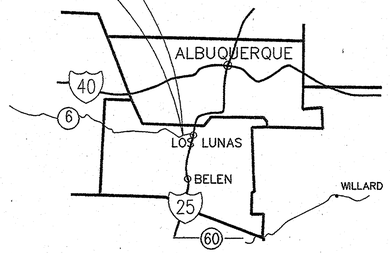
S3	STRUCTURAL DETAILS
S4	STRUCTURAL DETAILS
S5	RETAINING WALL
S6	CONCRETE STORAGE BINS
M1	MECHANICAL DETAILS
E1	ELECTRICAL DETAILS



PROJECT LOCATION
APPROXIMATELY 3.6 MILES WEST
OF I-25 ON THE NORTH
SIDE OF HIGHWAY 6



LOS LUNAS, NEW MEXICO
VALENCIA COUNTY

AS BUILT 7/20/98

SCOTT A. EDWARDS 12856 REGISTERED PROFESSIONAL ENGINEER 7/22/98

P:\LOS_LUNAS\TITLE.DWG

REVISIONS
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

DATE 9/97 DRAWN RP
SCALE ____ CHECKED PF
APPROVED SE

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

1201 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO 87505
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
COVER SHEET

G1

260 L.F. 4" PVC SLOPE TO POND
SEE SHEET C4 FOR DETAILS

EVAPORATION POND
SEE SHEET C5
FOR DETAILS

1000 GAL SEPTIC
TANK (SEE SH. C5)

ALLOY CAP
IN CONCRETE
BY CS&A

956.84

SITE SURVEY CONTROL

COMMERCIAL SIDE

ASPHALT SURFACE

CONVENIENCE CENTER

GRADED DIRT

RETAINING WALL
SEE SH. S4
FOR DETAIL

WELL

2" WATERLINE

PRIVATE SIDE

ASPHALT SURFACE

TRANSFORMER

POWER POLE

SPEED BUMP

LINE "B"
SEE SHEET
C3 & C4 FOR DETAILS

GRADED DIRT

LEACH FIELD

GRADED DIRT

RECYCLE BINS
SEE SHEET S5
FOR DETAILS

T.S.
5327.55

SPEED BUMP

LINE "C"
SEE SHEET
C3 & C4 FOR DETAILS

991.64

30' SLIDING GATE ON 6' CHAIN LINK

992.78

NM SR #6

994.65

N 13°33' 47" E

N 75°15' 42" E

APPROXIMATELY 80' R.O.W. (FENCE - FENCE)

NM SR #6

A
5321.96

NMSDH GPS 94
2778-31
PS #10202
LATITUDE 34 49' 19.05133"
LONGITUDE 106 49' 33.16455"
ELEVATION 5327.546 FT
RELATIVE ELEVATION 1071.74 FT
ALLOY CAP ON REBAR

RECORD DRAWING:
THE INFORMATION CONTAINED ON THIS SET OF DRAWINGS WAS COMPILED, IN PART, FROM INFORMATION SUPPLIED BY OTHERS. SOUDER, MILLER & ASSOCIATES TAKES NO RESPONSIBILITY FOR INFORMATION SUPPLIED BY OTHERS AND MAKES NO REPRESENTATION TO ITS ACCURACY.

APPROX NORTH

N

0 25 50 100

SCALE: 1"=50 FT.

P:\LOS_LUNAS\BASE_MAP1.DWG

REVISIONS
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

DATE 9/97 DRAWN RP
SCALE HORZ CHECKED JW
VERT APPROVED DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
SITE PLAN

C1

260 L.F. 4" PVC SLOPE TO POND
SEE SHEET C4 FOR DETAILS

EVAPORATION POND
SEE SHEET C5
FOR DETAILS

TIPPING BUILDING ADDITION

NEW ELECTRICAL FEED

NEW ADMINISTRATION BUILDING

NEW PARKING AREA

NEW COMPOSTING FACILITY

MERCIAL SIDE
ASPHALT SURFACE

CONVENIENCE CENTER

GRADED DIRT

RETAINING WALL

WELL

2" WATERLINE

TRANSFORMER

POWER POLE

GRADED DIRT

PRIVATE SIDE
ASPHALT SURFACE

LEACH FIELD

GRADED DIRT

1000 GAL. SEPTIC TANK (SEE SH. C5)

ALLOY CAP IN CONCRETE BY CS&A
956.84

SITE SURVEY CONTROL

RECYCLE BINS
SEE SHEET S5
FOR DETAILS

T.S.
5327.55

991.64

SPEED BUMP

LINE "C"
SEE SHEET
C3 & C4 FOR DETAILS

SPEED BUMP

LINE "B"
SEE SHEET
C3 & C4 FOR DETAILS

30' SLIDING GATE ON 6' CHAIN LINK

992.78

NM SR #6

994.65

APPROXIMATELY 80' R.O.W. (FENCE - FENCE)

NM SR #6

N 13°33'47" E

N 75°15'42" E

5321.96

NMSDH GPS 94
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PS #10202
LATITUDE 34 49' 19.05133"
LONGITUDE 106 49' 33.16455"
ELEVATION 5327.546 FT
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APPROX NORTH

N

0 25 50 100
SCALE: 1"=50 FT.

TRANSFER STATION IMPROVEMENTS

P:\LOS_LUNAS\BASE_MAP1.DWG

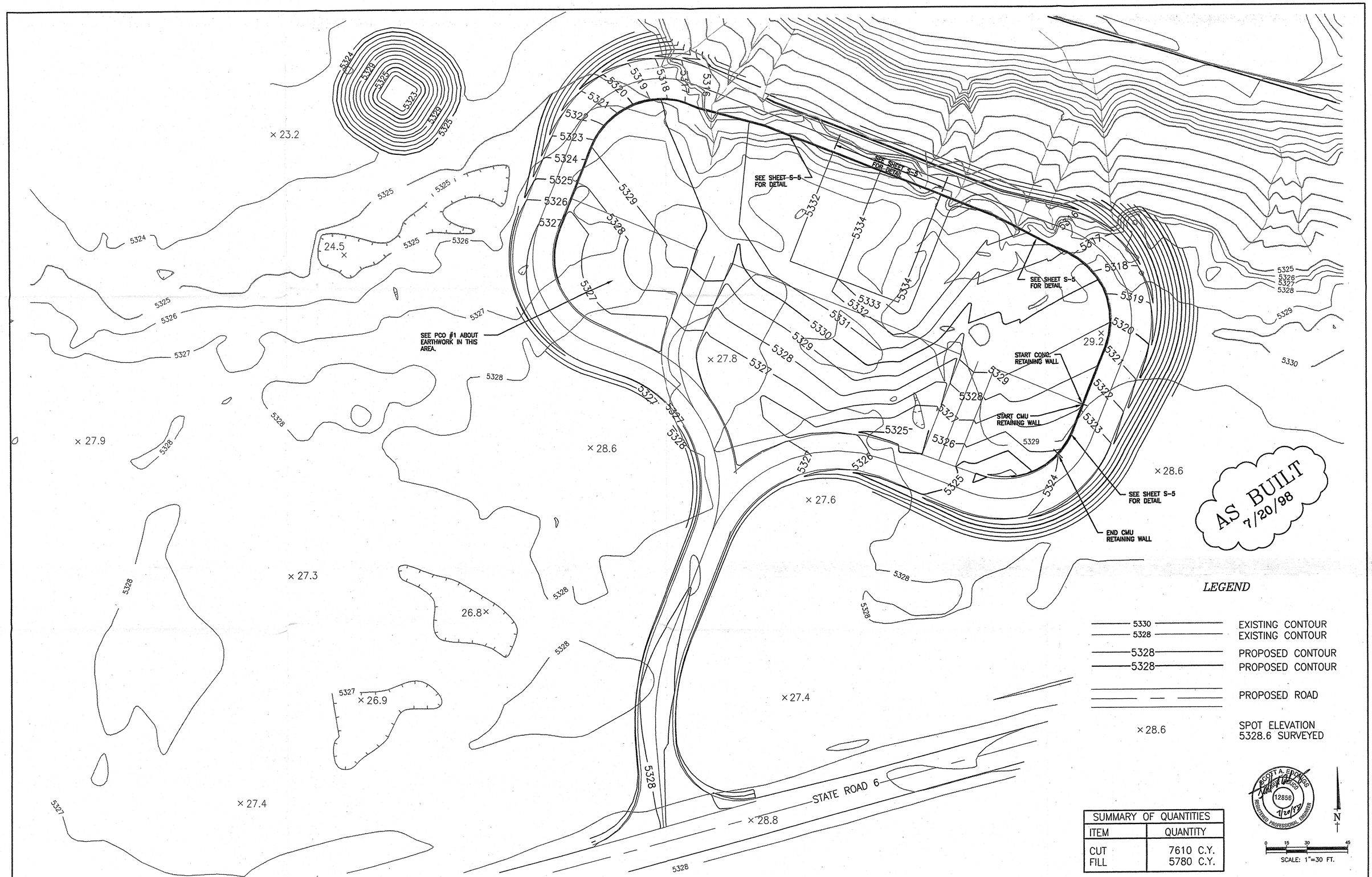
REVISIONS					
BY	RLP	DATE	7/20/98	DESCR.	AS BUILT
BY		DATE		DESCR.	
BY		DATE		DESCR.	

DATE	9/97	DRAWN	RP
SCALE	HORZ	CHECKED	JW
	VERT	APPROVED	DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
SITE PLAN

C1R



LEGEND

5330	EXISTING CONTOUR
5328	EXISTING CONTOUR
5328	PROPOSED CONTOUR
5328	PROPOSED CONTOUR
	PROPOSED ROAD
× 28.6	SPOT ELEVATION 5328.6 SURVEYED

SUMMARY OF QUANTITIES	
ITEM	QUANTITY
CUT	7610 C.Y.
FILL	5780 C.Y.

SCOTT A. SOUDER, NEW MEXICO, 12856, REGISTERED PROFESSIONAL ENGINEER, 7/20/98

N

0 15 30 45

SCALE: 1"=30 FT.

P:\LOS_LUNAS\GRADING.DWG

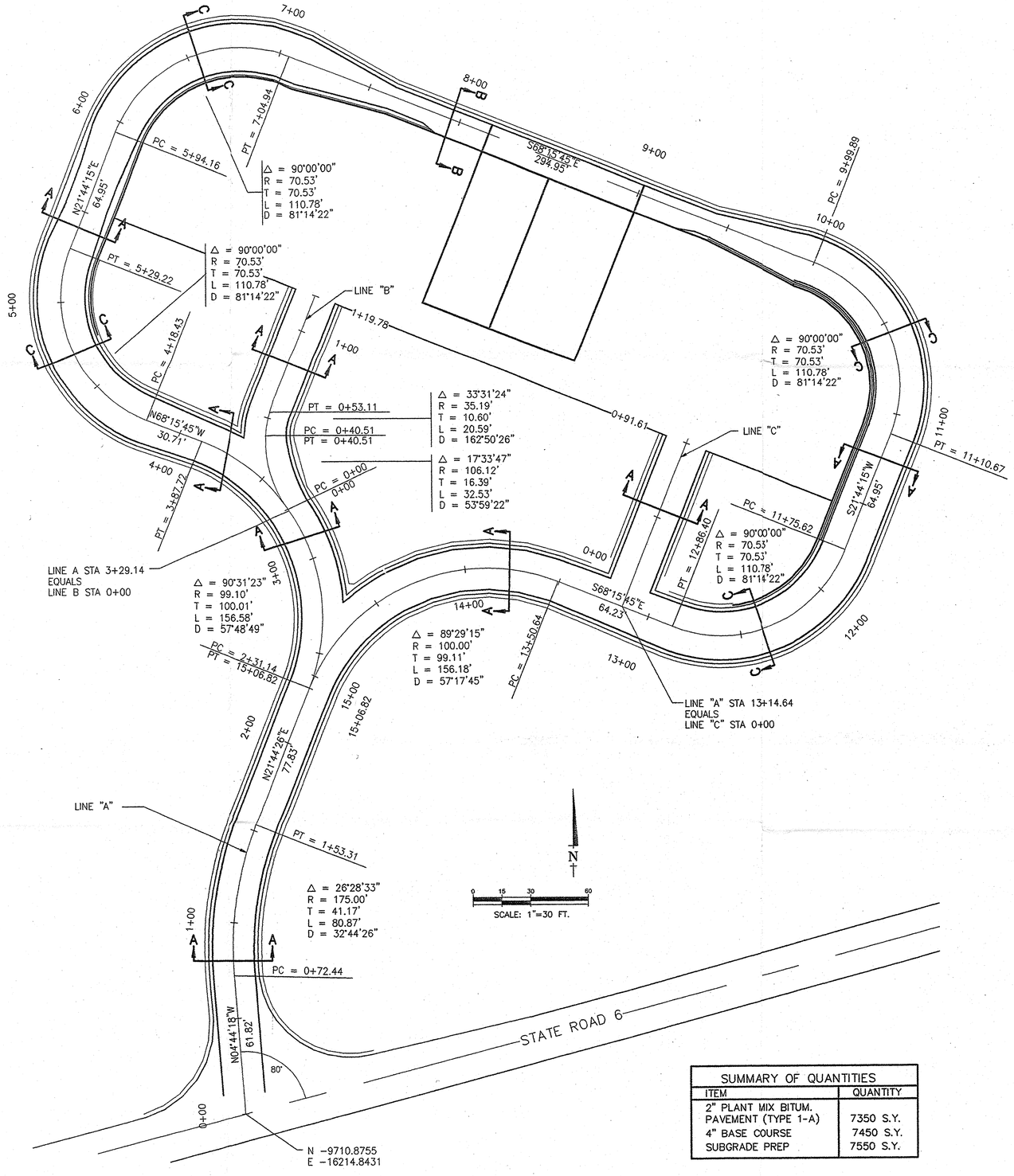
REVISIONS
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

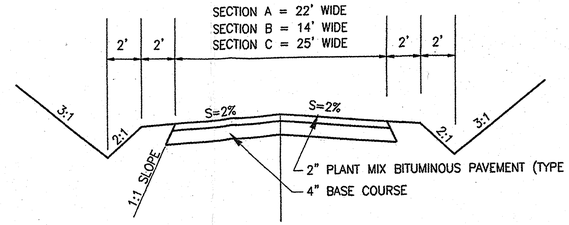
DATE 9/97 DRAWN SE
SCALE HORZ CHECKED PF
VERT APPROVED SE

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS
1021 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
GRADING PLAN

C2





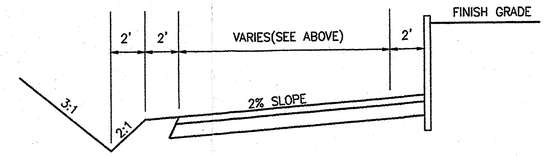
LINE "A"
STA 0+00 – STA 4+18.53 = SECTION A–A
STA 4+18.43 – STA 5+29.22 = SECTION C–C
STA 5+29.22 – STA 5+94.16 = SECTION A–A
STA 5+94.16 – STA 7+04.94 = SECTION C–C
STA 7+04.94 – STA 7+62.65 = TRANSITION FROM SECTION C–C TO SECTION B–B
STA 7+62.65 – STA 9+42.41 = SECTION B–B
STA 9+42.41 – STA 9+99.89 = TRANSITION FROM SECTION B–B TO SECTION C–C
STA 9+99.89 – STA 11+10.67 = SECTION C–C
STA 11+10.67 – STA 11+75.62 = SECTION A–A
STA 11+75.62 – STA 12+86.40 = SECTION C–C
STA 12+86.40 – STA 15+06.82 = SECTION A–A

LINE "B"
STA 0+00 – STA 1+19.78 = SECTION A–A

LINE "C"
STA 0+00 – STA 0+91.61 = SECTION A–A

SOLID WASTE ROAD TYPICAL SECTION

NOT TO SCALE



RETAINING WALL IS LOCATED FROM LINE "A" STA. 4+76.43 TO STA. 12+52.62
USE A 50' TRANSITION FOR CHANGE IN ROAD SLOPE

TYPICAL RETAINING WALL

NOT TO SCALE

AS BUILT 7/20/98

SUMMARY OF QUANTITIES	
ITEM	QUANTITY
2" PLANT MIX BITUM. PAVEMENT (TYPE 1-A)	7350 S.Y.
4" BASE COURSE	7450 S.Y.
SUBGRADE PREP	7550 S.Y.

LEGEND

- PROPOSED CENTERLINE
- PROPOSED EDGE OF ASPHALT
- PROPOSED EDGE OF ROAD GRADING
- PROPOSDED FLOW LINE
- PROPOSED STRUCTURE
- PROPOSED RETAINING WALL

SCOTT A. SOUDER 12856 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7/20/98

P:\LOS_LUNAS\ROAD.DWG

REVISIONS
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

DATE 7/98 DRAWN RP
SCALE HORZ VERT CHECKED JW APPROVED DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS
1201 PARKWAY DRIVE, SUITE C
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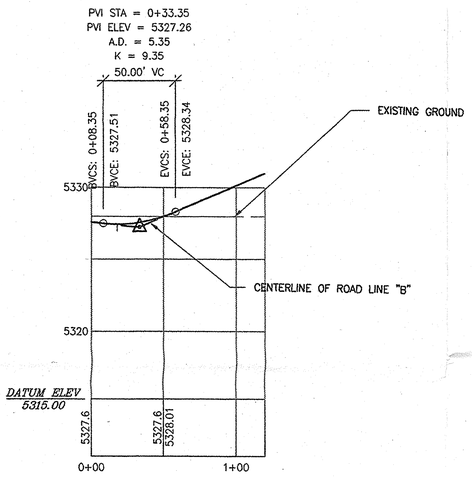
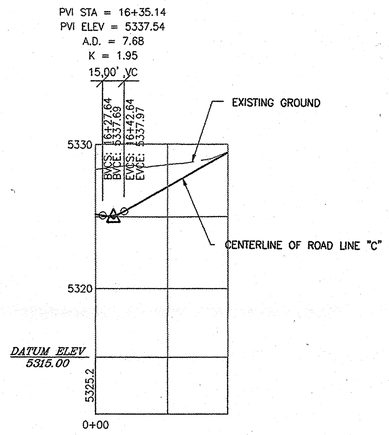
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
ROAD LAYOUT/DETAIL SHEET

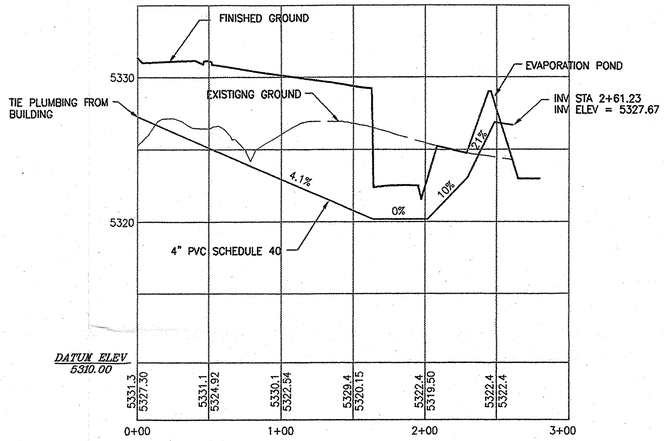
C3



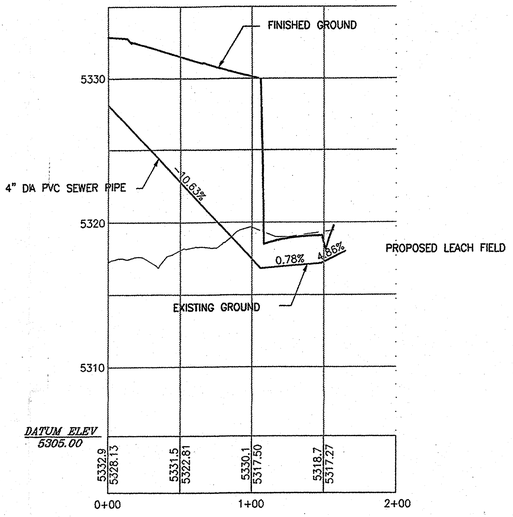
ROAD LINE "B"
PROFILE



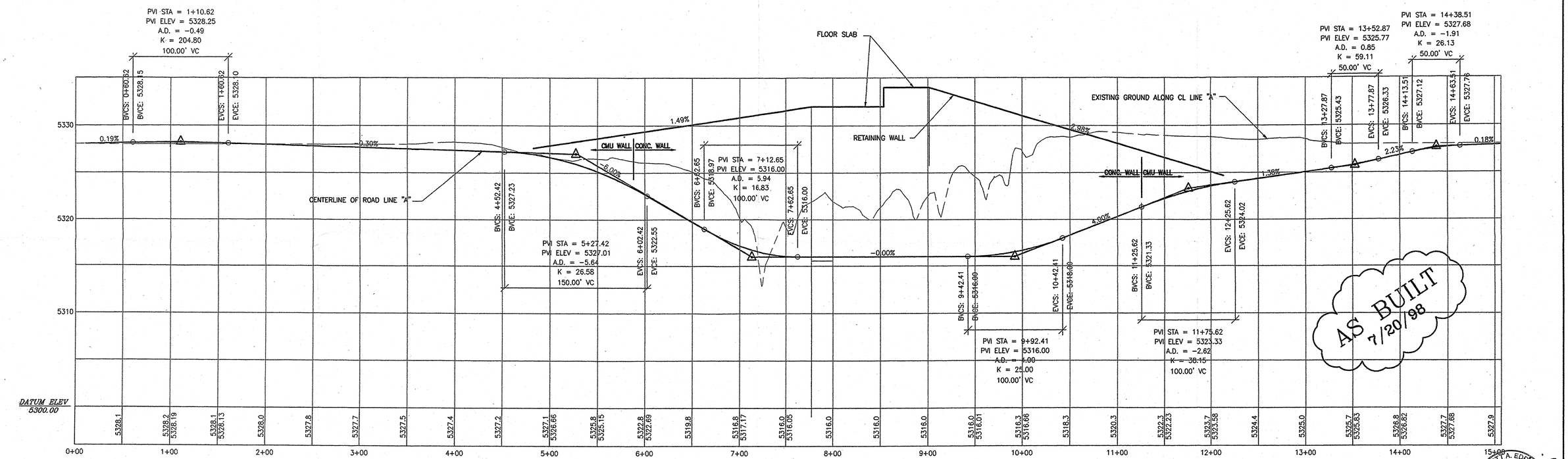
ROAD LINE "C"
PROFILE



FLOOR DRAIN PIPE
PROFILE



SEWER PIPE
PROFILE



ROAD LINE "A"
PROFILE

SCOTT A. EDDINS
12856
REGISTERED PROFESSIONAL ENGINEER
7/20/98

P:\LOS_LUNAS\PROFILES.DWG

REVISIONS					
BY	RLP	DATE	7/20/98	DESCR.	AS BUILT
BY		DATE		DESCR.	
BY		DATE		DESCR.	

DATE	10/97	DRAWN	SE
SCALE	HORIZ:1"=50' VERT:1"=5'	CHECKED	PF
		APPROVED	SE

SOUDER, MILLER & ASSOCIATES
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1201 PASEWAY DRIVE, SUITE C
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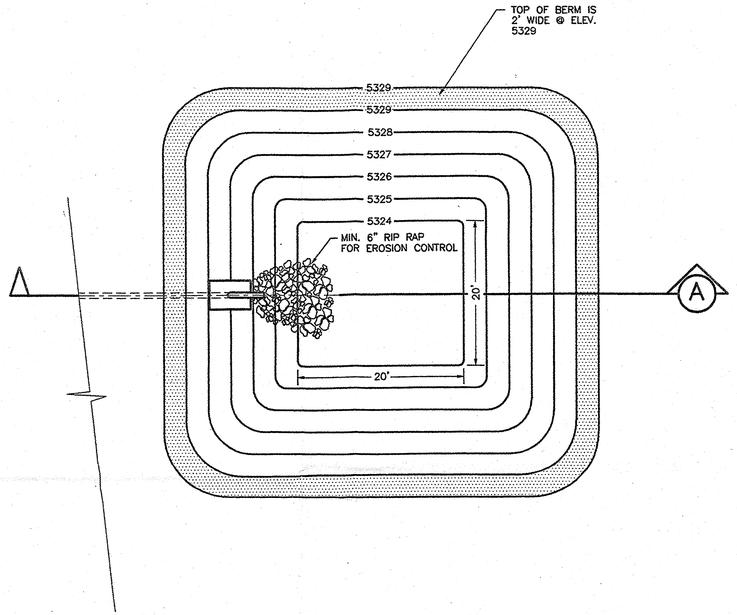
PHONE NO. (505) 473-9211

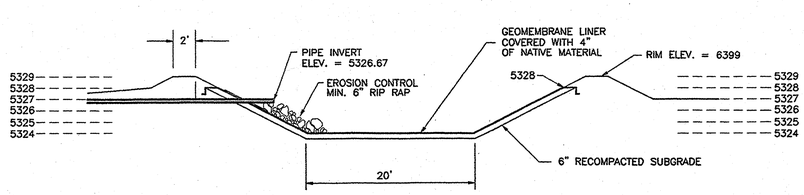
VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
PROFILES

C4

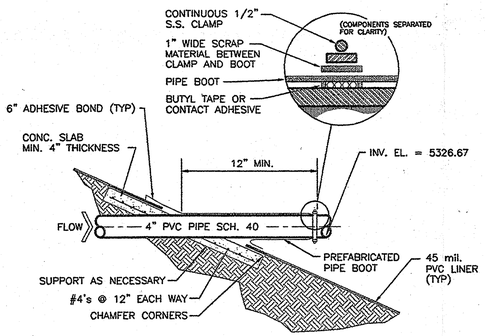


EVAPORATION POND–PLAN VIEW

NOT TO SCALE

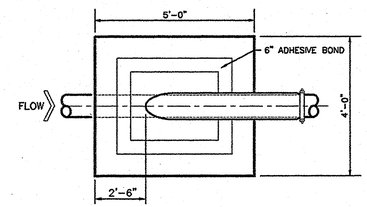


SECTION A – A



PVC PIPE PENETRATION

NOT TO SCALE



PENETRATION PLAN VIEW

NOT TO SCALE

REQUIRED SETBACK DISTANCES (FT)

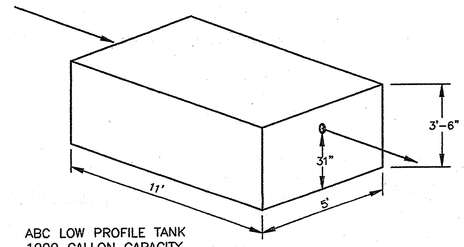
	LIQUID WASTE TREATMENT UNIT	ABSORPTION FIELD INCLUDING ALTERNATIVE METHODS
PROPERTY LINE	5	5
BUILDING	5	8
WATER LINE (UNDER PRESSURE)	10	25
WATER SUPPLY (PRIVATE) (INCLUDING WATER SUCTION OR SUPPLY LINE)	50	100
WATER SUPPLY (PUBLIC) (INCLUDING WATER SUCTION OR SUPPLY LINE)	200	200
WATERCOURSE	100	100
ARROYO [a]	25 + DEPTH	25 + DEPTH
CANAL LINED	10 + DEPTH	10 + DEPTH
CANAL UNLINED	25 + DEPTH	25 + DEPTH

a. EDGE OF ARROYO SHALL BE DETERMINED AS FOLLOWS:

(1) VISIBLE EVIDENCE OF DEBRIS FROM PREVIOUS HIGHWATER FLOWS; OR
(2) SLOPE GREATER THAN 25%; OR
(3) DEFINITE CHANGE IN VEGETATION OR STREAM BED MATERIAL; OR
(4) DEFINITE EDGES.

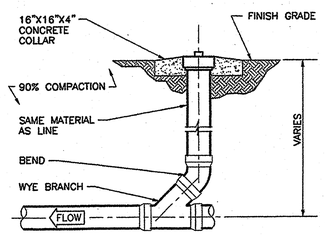
THE MOST CONSERVATIVE OF THE ABOVE DISTANCES WILL BE USED TO DETERMINE THE EDGE AND DEPTH OF THE ARROYO, IF APPLICABLE.

1. SOILS ARE SANDY CLAY LOAM.
2. CLEAR TOPSOIL AND REMOVE ALL HUMOUS MATERIAL WITHIN LEACHFIELD SYSTEM. PLOW OR ROTOTILL EXISTING GROUND TO A MINIMUM OF 8" bgl.
3. MINIMUM CLEARANCE TO GROUND WATER IS 4' – 0".
4. LEACHING AREA REQUIRED IS A = 0.32 (300) 17 =396 SQ.FT.
5. USE 2 (TWO) INFILTRATOR, 40 FEET LONG. TOTAL = 2X(40' LENGTH X 5) = 400 SQ.FT. INSTALLED LEACHING AREA.



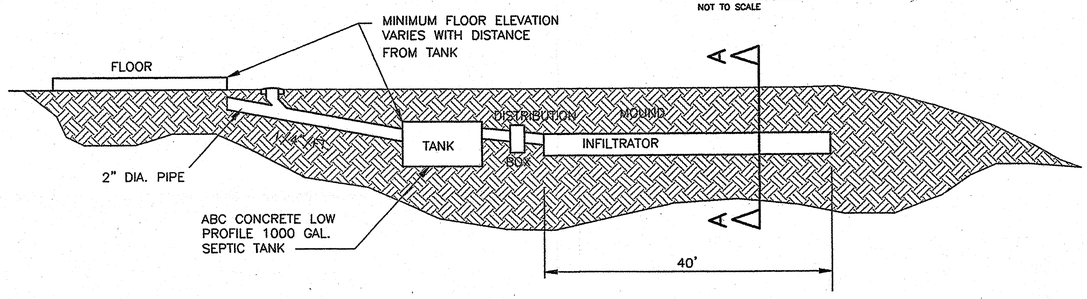
ABC LOW PROFILE TANK
1000 GALLON CAPACITY
(DIMINSIONS ARE NOMINAL)

SCALE: 1" = 3'–0"



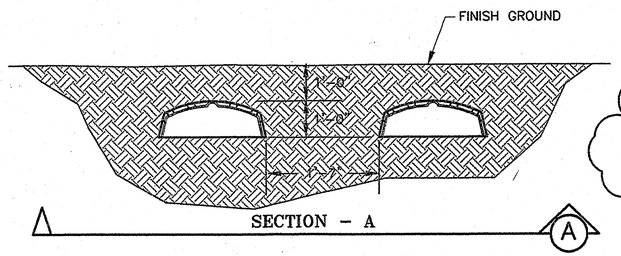
CLEANOUT TO GRADE DETAIL

NOT TO SCALE



SEPTIC SYSTEM SCHEMATEC

NOT TO SCALE



SECTION – A

AS BUILT 7/20/98

SCOTT A. EDWARDS
NEW MEXICO
12856
7/20/98
REGISTERED PROFESSIONAL ENGINEER

P:\LOS_LUNAS\CIVIL_DETAILS.DWG

REVISIONS			
BY RLP	DATE 7/20/98	DESCR. AS BUILT	
BY	DATE	DESCR.	
BY	DATE	DESCR.	

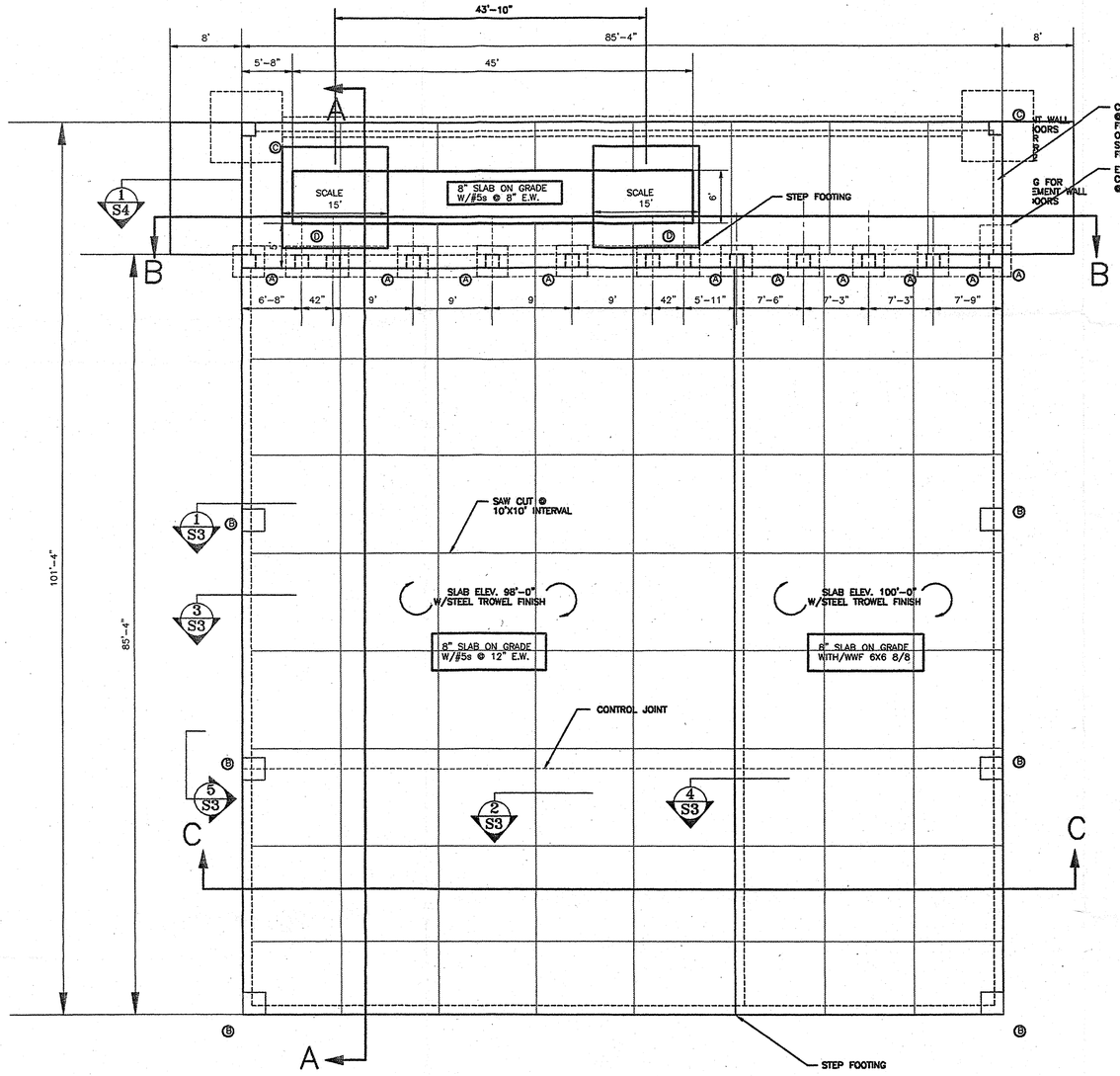
DATE	9/97	DRAWN	RP
SCALE	HORZ / VERT	CHECKED	JW
		APPROVED	DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

1201 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
EVAPORATION POND & SEPTIC SYS. CIVIL DETAILS

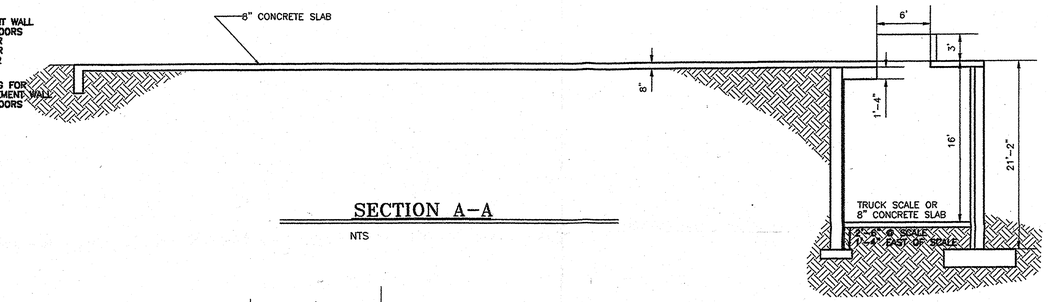
C5



BUILDING PLAN VIEW

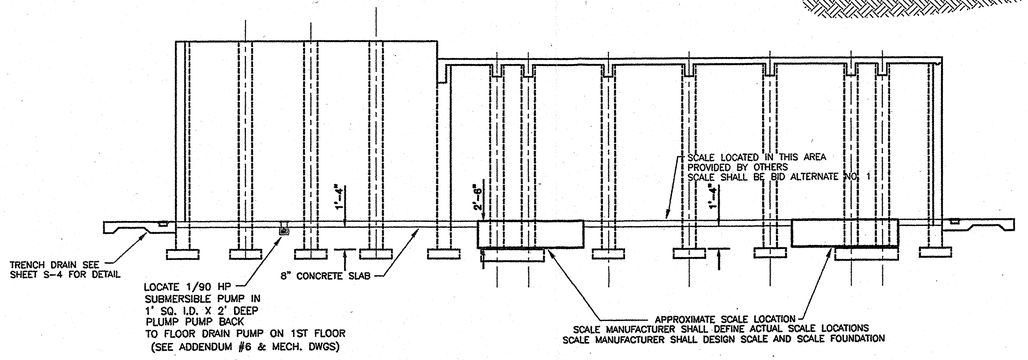
SCALE: 1/8" = 1'-0"

N



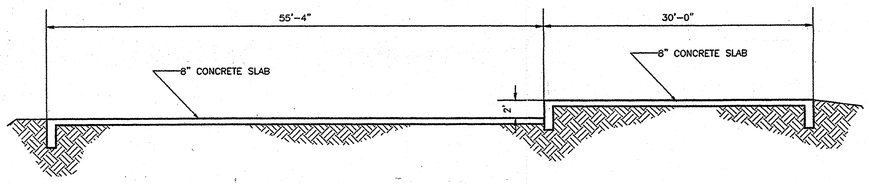
SECTION A-A

NTS



SECTION B-B

NTS



SECTION C-C

NTS

FOOTING SCHEDULE

TYPE	SIZE	DEPTH	REINFORCING
A	3'-6" X3'-6"	12"	(3) #5's E.W. @ BOTTOM & TOP
B	6'-6" X 6'-6"	16"	(8) #6's E.W. @ BOTTOM & TOP
C	8'-6" X 8'-6"	18"	(9) #6's E.W. @ BOTTOM & TOP
D	7'-2" X 7'-2"	16"	(6) #5's BOTTOM & TOP ACROSS LONG SIDE (3) #5's TOP AND BOTTOM SHORT SIDE

AS BUILT 7/20/98

SCOTT A. EDWARDS 12856 REGISTERED PROFESSIONAL ENGINEER 7/20/98

P:\LOS_LUNAS\STRUCT_DETAILS_1

REVISIONS
BY SE DATE 10/28/97 DESCR. CHANGE TO ELEVATED SLAB
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____

DATE 9/97 DRAWN RP
SCALE HORZ CHECKED JW
VERT APPROVED DJ

SOUDER, MILLER & ASSOCIATES
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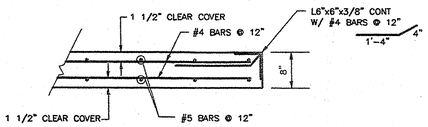
PHONE NO. (505) 473-9211

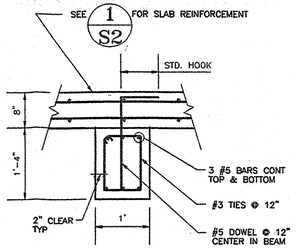
VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
STRUCTURAL DETAILS

S1



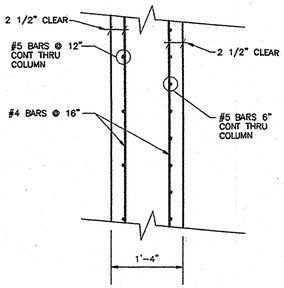
1 S2 **SLAB**

3/4" = 1'-0



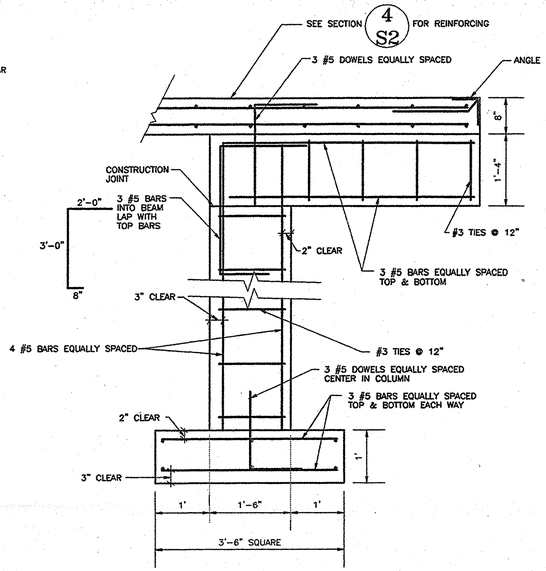
2 S2 **CANTILEVER BEAM**

3/4" = 1'-0



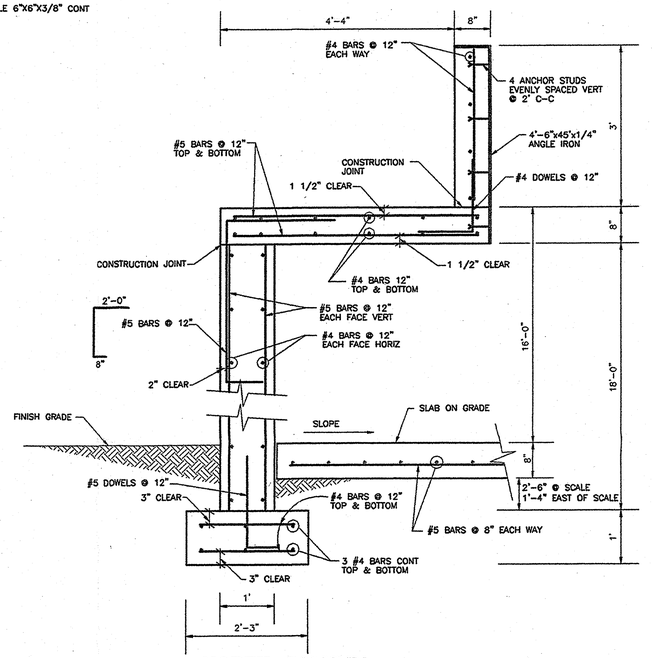
3 S2 **WALL**

3/4" = 1'-0



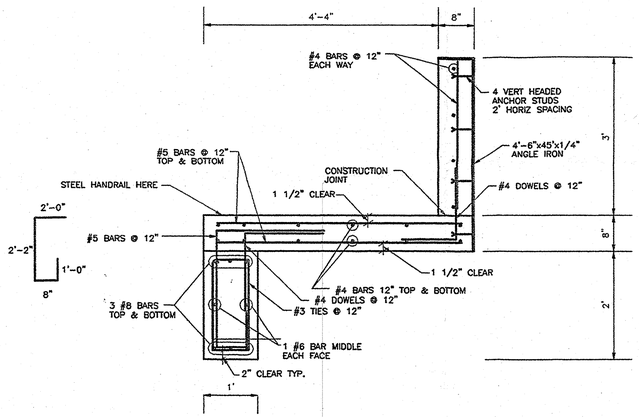
4 S2 **COLUMN**

3/4" = 1'-0



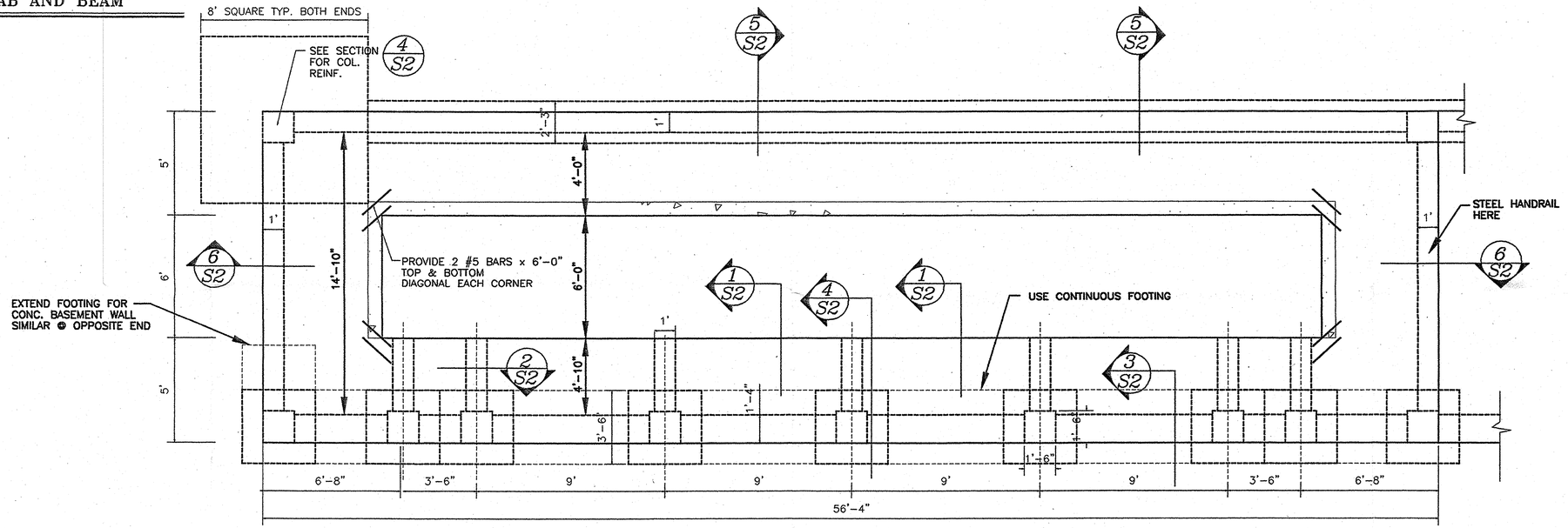
5 S2 **NORTH COLUMN**

3/4" = 1'-0



6 S2 **SIDE SLAB AND BEAM**

3/4" = 1'-0



ELEVATED SLAB

NTS

AS BUILT 7/20/98

SCOTT A. ENDRESS NEW MEXICO 12856 REGISTERED PROFESSIONAL ENGINEER 7/20/98

P:\LOS_LUNAS\STRUCT_DETAILS_1

REVISIONS							
BY	SE	DATE	10/22/97	DESCR.	CHANGE ELEVATED SLAB
BY	RLP	DATE	7/20/98	DESCR.	AS BUILT
BY		DATE		DESCR.	

DATE	9/97	DRAWN	SE
SCALE	HORZ VERT	CHECKED	E.Y.
		APPROVED	SE

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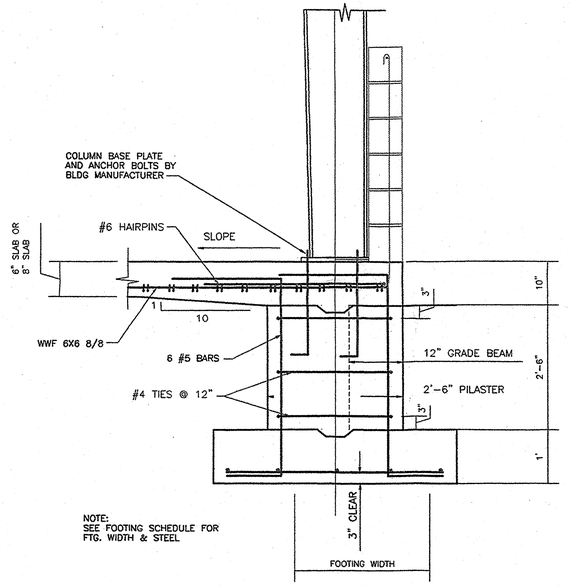
VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
BEAM DETAILS

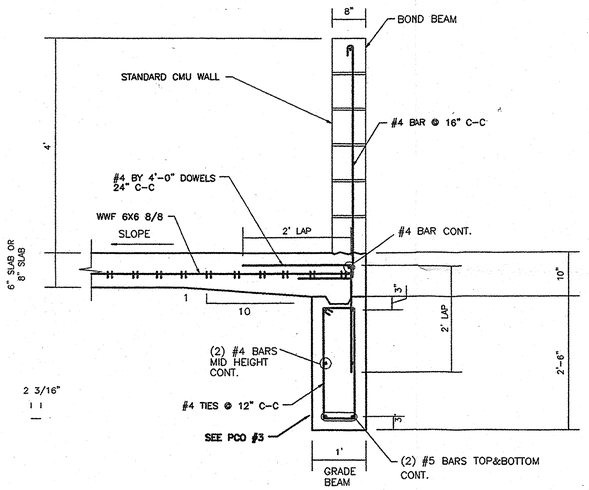
S2



NOTE:
SEE FOOTING SCHEDULE FOR FTG. WIDTH & STEEL

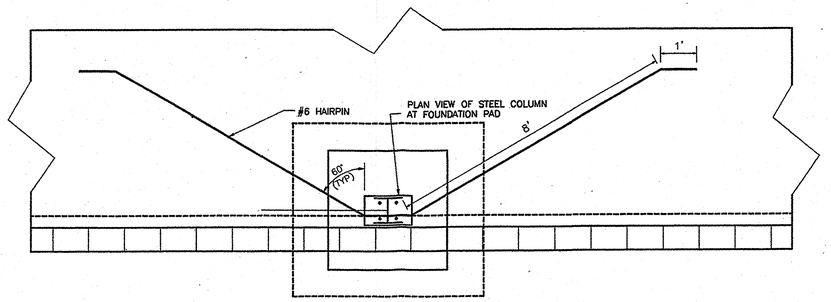
1 S3 COLUMN FOOTING

3/4" = 1'-0



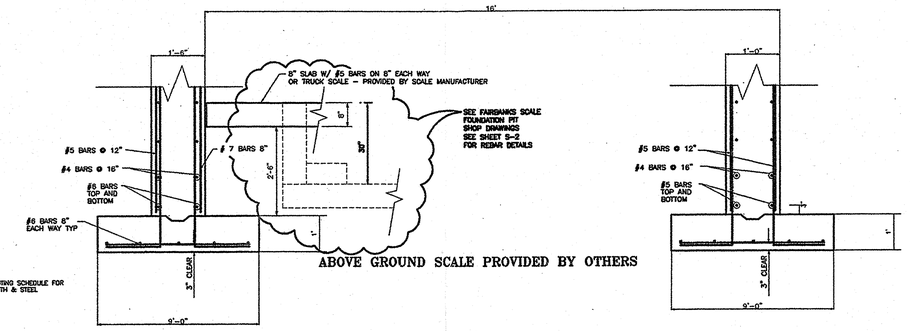
3 S3 WALL FOUNDATION

3/4" = 1'-0



5 S3 HAIRPIN DETAIL

1/2" = 1'-0

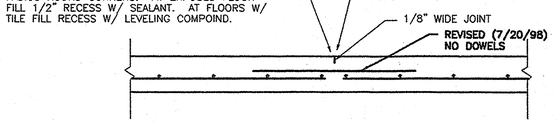


NOTE:
SEE FOOTING SCHEDULE FOR FTG. WIDTH & STEEL

ABOVE GROUND SCALE PROVIDED BY OTHERS

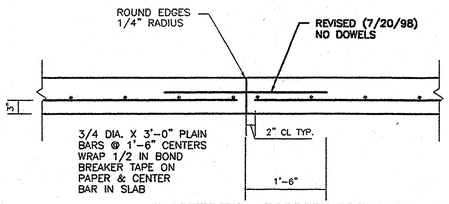
BASEMENT DRIVE THROUGH SECTION

3/4" = 1'-0



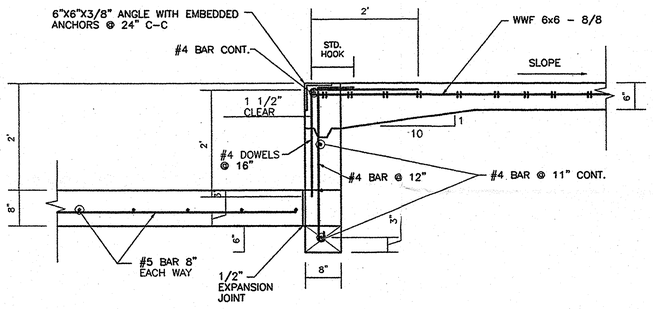
2 S3 FORMED CONTROL JOINT

3/4" = 1'-0



DOWELED CONSTRUCTION JOINT

3/4" = 1'-0



4 S3 SECTION DETAIL

3/4" = 1'-0

AS BUILT 7/20/98

SCOTT A. ELLIOTT NEW MEXICO 12856 REGISTERED PROFESSIONAL ENGINEER 7/20/98

P:\LOS_LUNAS\STRUCT_DETAILS_1

REVISIONS			
BY SE	DATE 10/28/97	DESCR. CHANGE NOTES	
BY RLP	DATE 7/20/98	DESCR. AS BUILT	
BY	DATE	DESCR.	

DATE	10/97	DRAWN	EY
SCALE	HORZ	CHECKED	QP
	VERT	APPROVED	SE

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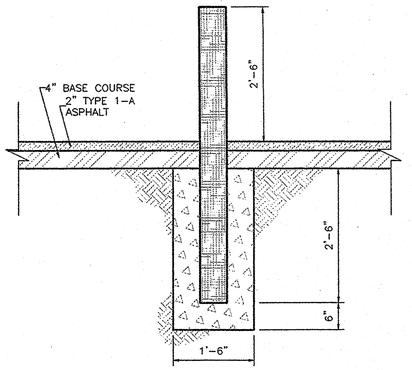
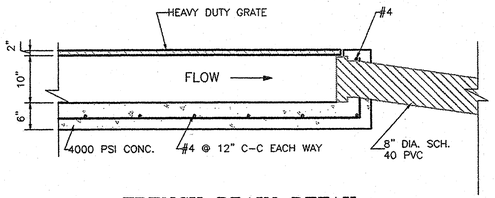
VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
STRUCTURAL DETAILS

S3



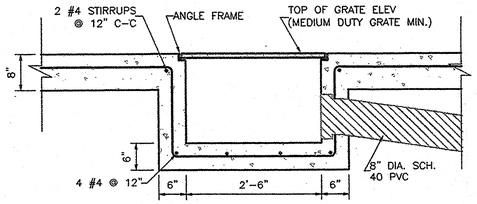
BOLLARD DETAIL

3/4" = 1'-0



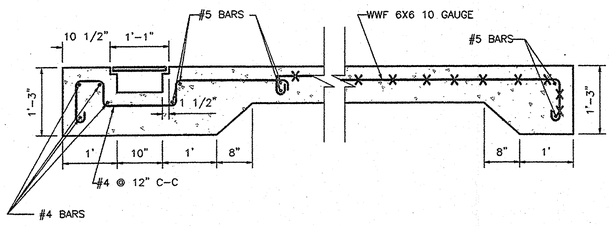
TRENCH DRAIN DETAIL

3/4" = 1'-0



FLOOR DRAIN DETAIL

3/4" = 1'-0

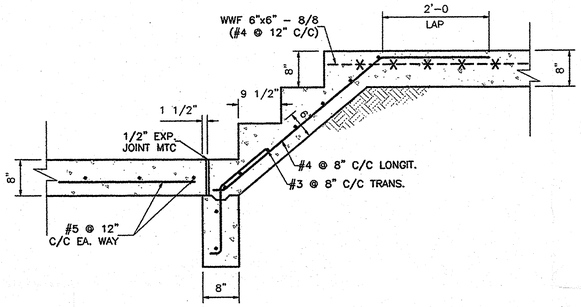


1/S4 RAMP AND TRENCH DETAIL

3/4" = 1'-0

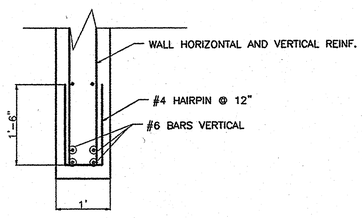
REQ'D 90° STD. HOOK LENGTH	
BAR \ ?'C	4000 PSI
#3	6"
#4	8"
#5	10"
#6	1'-0"
#7	1'-2"
#8	1'-4"
#9	1'-7"
#10	1'-10"
#11	2'-0"

MINIMUM SPLICE LAP LENGTH			
BAR \ ?'C	4000 PSI VERTICAL	OTHER	TENSION
#3	1'-8"	1'-8"	1'-8"
#4	1'-8"	2'-5"	2'-5"
#5	2'-2"	3'-0"	3'-4"
#6	2'-7"	3'-7"	4'-9"
#7	3'-3"	4'-6"	6'-5"
#8	4'-3"	5'-11"	8'-6"
#9	5'-5"	7'-6"	10'-9"
#10	7'-0"	9'-7"	13'-7"
#11	8'-5"	11'-9"	16'-8"



STAIR DETAIL

3/4" = 1'-0



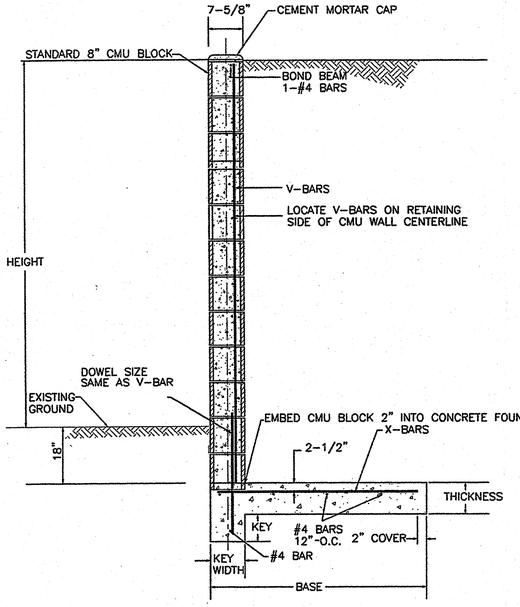
PILASTER DETAIL

3/4" = 1'-0

GENERAL NOTES

1. RETAINING WALL FOOTINGS SHALL BE EMBEDDED A MINIMUM OF 18 INCHES BELOW THE LOWEST ADJACENT GRADE. PRIOR TO PLACING FOOTINGS, THE EXPOSED SOILS SHALL BE SCARIFIED TO A DEPTH OF EIGHT INCHES, MOISTURE CONDITIONED TO NEAR OPTIMUM (PLUS OR MINUS 3%) MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
2. BACKFILL MATERIAL SHALL CONFORM TO THE ORIGINAL CONTRACT. BACKFILL ADJACENT TO WALLS SHALL BE COMPACTED WITH RELATIVE LIGHT, HAND OPERATED EQUIPMENT TO PREVENT OVER STRESSING THE WALL AND EXCESSIVE LATERAL DEFLECTIONS.
3. TO PREVENT STAINING OF THE CMU BLOCK, THE BACK OF RETAINING WALLS SHALL BE WATERPROOFED PRIOR TO BACKFILLING. WEEP HOLES SHALL BE CONSTRUCTED NEAR THE BASE OF EXTERIOR WALLS.

HEIGHT	BASE	THICKNESS	V-BAR NO.	V-BAR SPACING	X-BAR NO.	X-BAR SPACING	KEY	KEY WIDTH
2'-0"	1'-2"	4"	3	32"	3	32"	NA	NA
2'-8"	1'-5"	4"	3	32"	3	32"	NA	NA
3'-4"	1'-9"	4"	4	32"	3	32"	NA	NA
4'-0"	2'-3"	6"	4	32"	4	32"	6"	8"
4'-8"	2'-8"	6"	3	16"	4	25"	6"	8"
4'-8"	2'-8"	6"	4	24"	4	25"	6"	8"
4'-8"	2'-8"	6"	5	32"	4	25"	6"	8"
5'-4"	3'-6"	6"	3	8"	4/5/6	17"/26"/37"	4"	8"
5'-4"	3'-6"	6"	4	16"	4/5/6	17"/26"/37"	6"	8"
5'-4"	3'-6"	6"	5	24"	4/5/6	17"/26"/37"	8"	8"
5'-4"	3'-6"	6"	6	32"	4/5/6	17"/26"/37"	10"	8"



RETAINING WALL

NTS

NOTE: CONTRUCTOR SHALL CHOOSE FROM OPTIONS UNDER X-BAR NO. AND X-BAR SPACING

AS BUILT 7/20/98

SCOTT A. EDWARDS 12856 REGISTERED PROFESSIONAL ENGINEER 7/20/98

P:\LOS_LUNAS\STRUCT_DETAILS_1

REVISIONS
BY SE DATE 10/28/97 DESCR. ADD RETAING WALL
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____

DATE 9/97 DRAWN RP
SCALE HORZ VERT CHECKED JW APPROVED DJ

SOUDER, MILLER & ASSOCIATES
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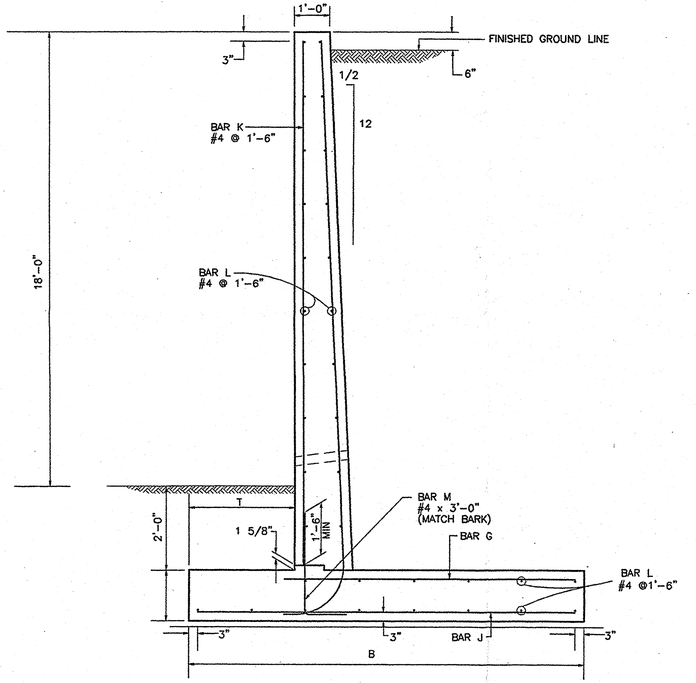
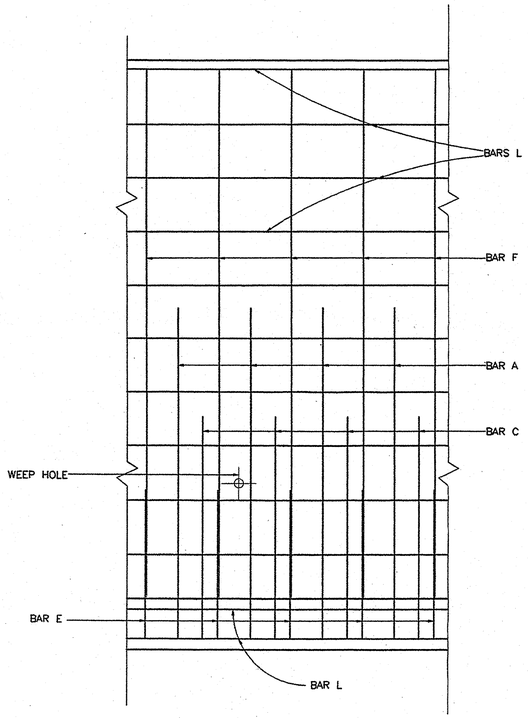
VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
STRUCTURAL DETAILS

S4

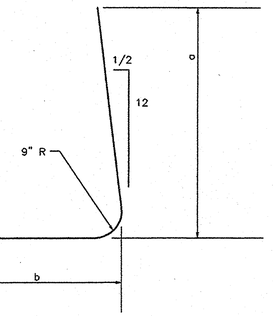
	WALL DIMENSIONS			REINFORCING STEEL SCHEDULE																								QUANTITIES PER LF OF WALL	
H	B	T	D	BAR A					BAR C					BAR E					BAR F			BAR G			BAR J			BAR K	CONCRETE	REINF. STEEL
				SIZE	SPACING	a	b	LENGTH	SIZE	SPACING	a	b	LENGTH	SIZE	SPACING	a	b	LENGTH	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	LENGTH	CU. YD.	LB.
6'	4'-8"	0'-9"	1'-3"	4	1'-6"	5'-7"	1'-7"	6'-10"														4	1'-6"	4'-2"	4	1'-6"	4'-2"	4'-5"	0.4	19.4
7'	5'-4"	1'-0"	1'-3"	4	1'-6"	6'-7"	1'-11"	8'-2"														4	1'-6"	4'-7"	4	1'-6"	4'-7"	5'-5"	0.5	22.8
8'	5'-11"	1'-30	1'-3"	4	1'-4"	7'-7"	1'-11"	9'-2"														4	1'-4"	5'-1"	4	1'-4"	5'-1"	6'-5"	0.55	27.2
9'	6'-7"	1'-3"	1'-3"	4	1'-0"	8'-7"	2'-3"	10'-6"														4	1'-0"	5'-6"	4	1'-11"	5'-6"	7'-5"	0.64	31.1
10'	7'-2"	1'-3"	1'-3"	4	1'-5"	9'-7"	2'-3"	11'-6"	4	1'-5"	4'-9"	2'-3"	6'-8"									4	0'-8"	6'-0"	4	1'-5"	6'-0"	8'-5"	0.70	37.5
11'	7'-9"	1'-6"	1'-6"	5	1'-10"	10'-7"	2'-7"	12'-10"	5	1'-10"	5'-6"	2'-7"	7'-9"									5	0'-11"	6'-8"	4	1'-10"	6'-7"	9'-2"	0.85	44.2
12'	8'-3"	1'-6"	1'-6"	5	1'-5"	11'-7"	2'-7"	13'-10"	5	1'-5"	5'-11"	2'-7"	8'-2"									5	0'-8"	7'-2"	4	1'-5"	7'-1"	10'-2"	0.95	54.0
13'	9'-0"	1'-8"	1'-9"	6	1'-2"	12'-7"	3'-0"	15'-3"	6	1'-2"	6'-3"	3'-0"	8'-11"									5	0'-7"	7'-6"	4	1'-9"	7'-5"	10'-11"	1.25	72.9
14'	9'-6"	1'-9"	1'-9"	6	1'-4"	7'-9"	3'-2"	10'-7"	6	1'-4"	5'-5"	3'-2"	8'-3"	6	1'-4"	3'-9"	3'-2"	6'-7"	6	1'-4"	12'-1"	5	0'-5"	7'-10"	4	1'-4"	7'-9"	11'-11"	1.35	88.6
15'	10'-3"	1'-11"	2'-0"	7	1'-7"	8'-7"	3'-5"	11'-8"	7	1'-7"	6'-1"	3'-5"	9'-2"	7	1'-7"	4'-4"	3'-5"	7'-5"	7	1'-7"	12'-10"	6	0'-6"	8'-10"	4	1'-7"	8'-3"	12'-8"	1.55	108.6
16'	10'-11"	2'-1"	2'-0"	7	1'-4"	9'-1"	3'-8"	12'-5"	7	1'-4"	6'-4"	3'-8"	9'-8"	7	1'-4"	4'-4"	3'-8"	7'-8"	7	1'-4"	13'-10"	6	0'-5"	9'-3"	4	1'-4"	8'-8"	13'-8"	1.65	130.1
17'	11'-8"	2'-3"	1'-6"	8	1'-6"	9'-8"	3'-10"	13'-2"	8	1'-6"	6'-11"	3'-10"	10'-5"	8	1'-6"	4'-11"	3'-10"	8'-5"	8	1'-6"	14'-7"	7	0'-6"	10'-1"	4	1'-6"	9'-3"	14'-5"	1.9	160.1
18'	12'-3"	2'-4"	2'-3"	8	1'-3"	10'-4"	4'-0"	14'-0"	8	1'-3"	7'-2"	4'-0"	10'-10"	8	1'-3"	4'-11"	4'-0"	8'-1"	8	1'-3"	15'-7"	7	0'-5"	10'-7"	4	1'-9"	9'-8"	15'-5"	2.0	187.1



RETAINING WALL SECTION



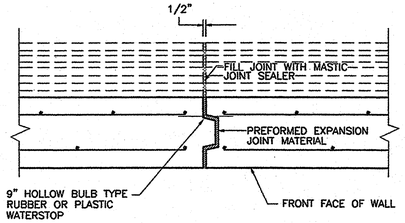
RETAINING WALL ELEVATION (BACK FACE)



BARS A, C & E

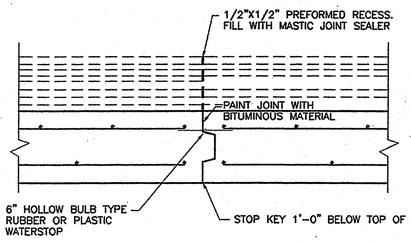
REINFORCEMENT TYPES

NOTE: ALL REINFORCEMENT GRADE 40
FIELD BENDING & CUTTING PERMITTED
NTS



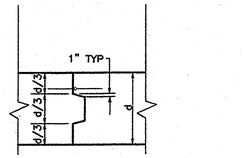
EXPANSION JOINT

NTS



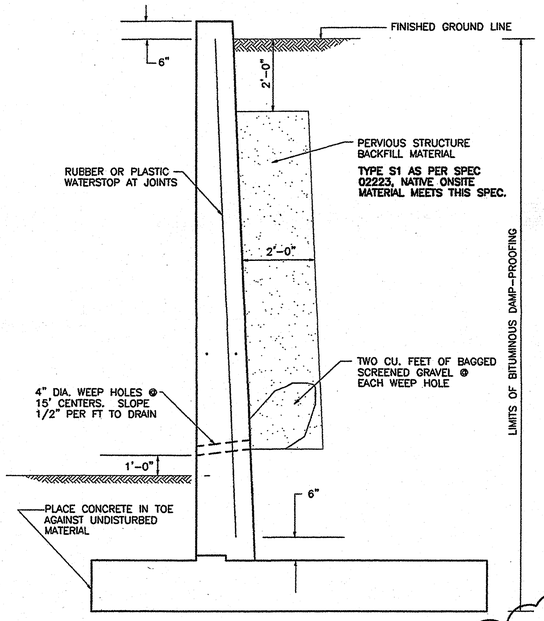
CONTRACTION JOINT

NTS



TYPICAL KEY DETAIL

NTS



DRAINAGE DETAILS

SCOTT A. MILLER
NEW MEXICO
12858
REGISTERED PROFESSIONAL ENGINEER
7/20/98

AS BUILT 7/20/98

SCALE: 1/2"=1 FT.

P:\LOS_LUNAS\RETAIN_WALL.DWG

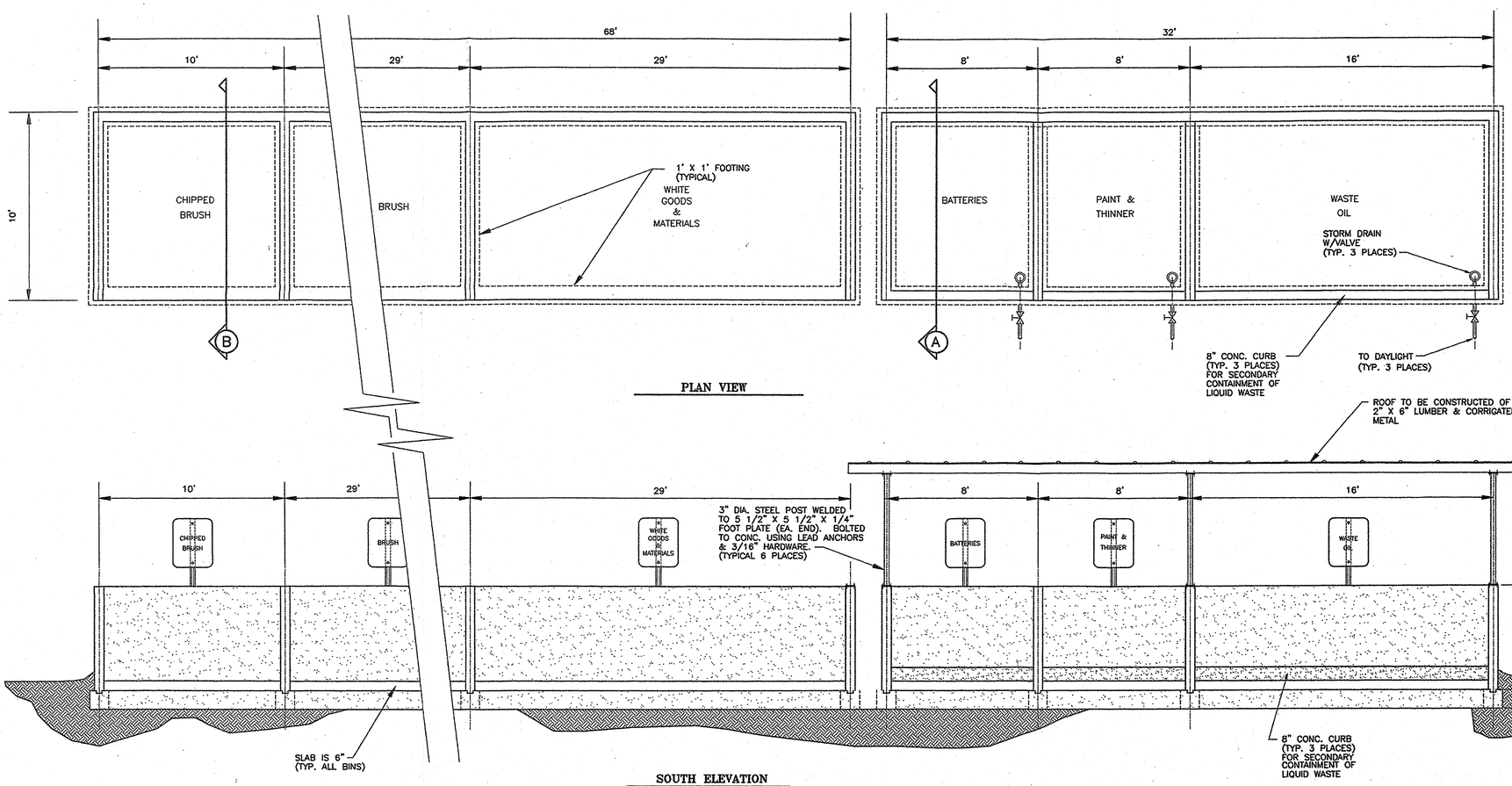
REVISIONS
BY RLP DATE 7/20/98 DESCR. AS BUILT
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

DATE 9/97 DRAWN RP
SCALE HORZ / VERT CHECKED JW / APPROVED DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS
1201 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
RETAINING WALLS

S5

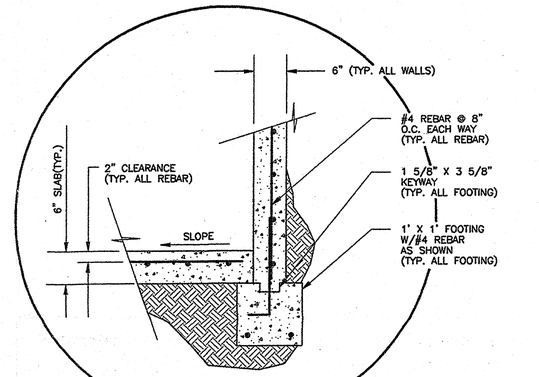


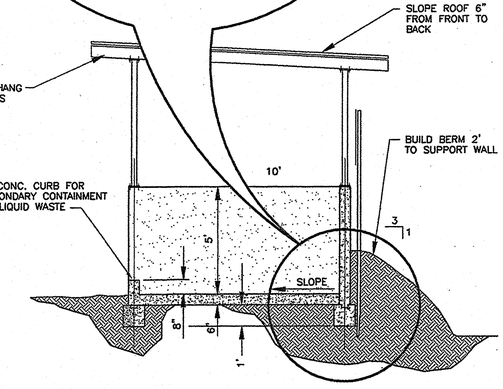
PLAN VIEW

SOUTH ELEVATION

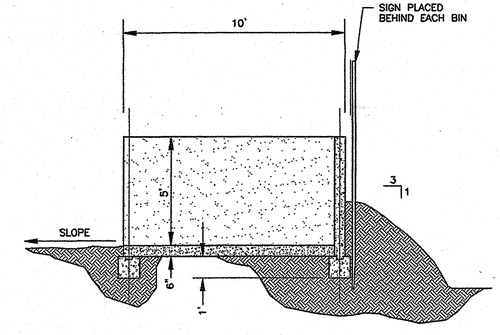
OUTSIDE STORAGE BIN

NOT TO SCALE





SECTION A



SECTION B

AS BUILT 7/20/98

SCOTT A. EDWARDS NEW MEXICO 12856 7/20/98 REGISTERED PROFESSIONAL ENGINEER

P:\LOS_LUNAS\RECYCLE_BINS.DWG

REVISIONS					
BY	RLP	DATE	7/20/98	DESCR.	AS BUILT
BY		DATE		DESCR.	
BY		DATE		DESCR.	

DATE	9/97	DRAWN	RP
SCALE	HORZ	CHECKED	JW
	VERT	APPROVED	DJ

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

1201 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO
PHONE NO. (505) 473-9211

VILLAGE OF LOS LUNAS
SOLID WASTE CONVENIENCE CENTER
CONCRETE STORAGE BINS

S6

#33

AS BUILTS

VILLAGE OF LOS LUNAS
660 MAIN STREET, NW
LOS LUNAS, NEW MEXICO

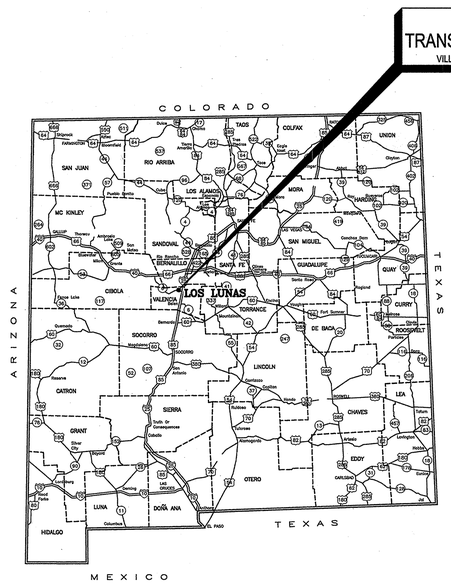
MARCH 2011

for the

WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NM 87031

FUNDED BY: VILLAGE OF LOS LUNAS

RECORD DRAWINGS 2012
LL066-12.D10
Los Lunas Waste Transfer



VICINITY MAP

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DOCUMENTS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHALL A CONFLICT EXIST THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

DESCRIPTION	REV DATE	REV NO	NUMERIC SCALE CONFIRMATION
		△	
			DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES IF THIS BAR EQUALS ONE INCH

GLL-001 8/2/11

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C-103 GRADING & DRAINAGE PLAN
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C-501 MISCELLANEOUS DETAILS
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C-505 MISCELLANEOUS DETAILS
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C-509 MISCELLANEOUS DETAILS
C-510 MISCELLANEOUS DETAILS

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S-301 STRUCTURAL FOUNDATION & DETAILS

BASE BID CLARIFICATION

BASE BID INCLUDES WORK AS SHOWN IN THE DRAWINGS WITH THE EXCEPTION OF WORK SPECIFICALLY NOTED HEREIN AND THROUGHOUT THE DRAWINGS AS AN ALTERNATE. ALTERNATES ARE LISTED HEREIN, DESCRIBED IN THE SPECIFICATIONS AND ARE PROVIDED FOR IN THE BID FORM. THE PRICE OF THE BID FOR AN ALTERNATE WILL BE THE AMOUNT TO BE ADDED TO THE PRICE OF THE BASE BID IF THE OWNER SELECTS THE ALTERNATE.

THIS PROJECT CONSISTS OF THE BASE BID PLUS TWO (2) ALTERNATES:

ALTERNATE #1: NEW METAL PANELS, TRIM PIECES, AND ASSOCIATED FRAMING INSTALLED ON EXTERIOR OF EXISTING BUILDING IN AREAS SHOWN.

ALTERNATE #2: NEW METAL STAIRS, METAL DOOR AND FRAME, FINISHED HARDWARE, CONCRETE SIDEWALK AND FOUNDATION, AND MODIFICATION TO EXISTING METAL WALL PANEL TO ACCOMMODATE NEW CONSTRUCTION AS SHOWN.

INSPECTION OF EXISTING CONDITIONS

BY SUBMISSION OF A BID THE CONTRACTOR IS ASSERTING THAT IT HAS CONDUCTED A PROPER AND REASONABLE INSPECTION OF EXISTING CONDITIONS. IF THAT INSPECTION REVEALS A VISIBLE PHYSICAL CONDITION THAT IS NOT SPECIFICALLY REFERENCED IN THE CONTRACT DOCUMENTS, THEN THAT CONDITION IS NOT CONSIDERED UNFORESEEN, UNKNOWN OR OF AN UNUSUAL NATURE AND THE CONDITION WILL NOT BE JUSTIFICATION FOR CHANGES TO THE WORK AS DEFINED BY THE CONTRACT FOR CONSTRUCTION.

BY SUBMISSION OF A BID THE CONTRACTOR ACKNOWLEDGES THAT IT HAS SATISFIED ITSELF AS TO THE CHARACTER, QUALITY AND QUANTITY OF SURFACE AND SUBSURFACE MATERIALS OR OBSTACLES TO BE ENCOUNTERED INSOFAR AS THIS INFORMATION IS REASONABLY ASCERTAINABLE FROM AN INSPECTION OF THE SITE INCLUDING EXPLORATORY WORK PERFORMED DURING THE GEOTECHNICAL INVESTIGATION, AS WELL AS FROM REVIEW OF THESE DRAWINGS AND SPECIFICATIONS MADE PART OF THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO TAKE THE ACTIONS DESCRIBED AND ACKNOWLEDGED BY THESE PARAGRAPHS WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ESTIMATING PROPERLY, THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK, OR FOR PROCEEDING TO SUCCESSFULLY PERFORM THE WORK WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

FAILURE TO CONDUCT AN INSPECTION DOES NOT CONSTITUTE GROUNDS FOR CLAIM OF ADDITIONAL FEES TO REMOVE, PROTECT, OR PATCH VISIBLE EXISTING CONDITIONS IMPACTED BY THE WORK OF THE CONTRACT.

CIVIL ENGINEERS
Molzen-Corbin & Associates
Kevin Eades, PE

STRUCTURAL ENGINEERS
ABQ Engineering, Inc
Roni G. Booth, PE

ARCHITECTS
Molzen-Corbin & Associates
John Quinn Pate, RA

MECHANICAL ENGINEERS
ABQ Engineering, Inc
David D. Kenney, PE

ELECTRICAL ENGINEERS
ABQ Engineering, Inc
David J. Redding, PE

CERTIFICATION:

I, JOHN QUINN PATE, REGISTERED ARCHITECT NO. 1784 HEREBY CERTIFY THAT THE FOLLOWING PLANS AND DESIGNS WERE MADE UNDER MY SUPERVISION AND DIRECTION AND THAT SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT

8/14/11

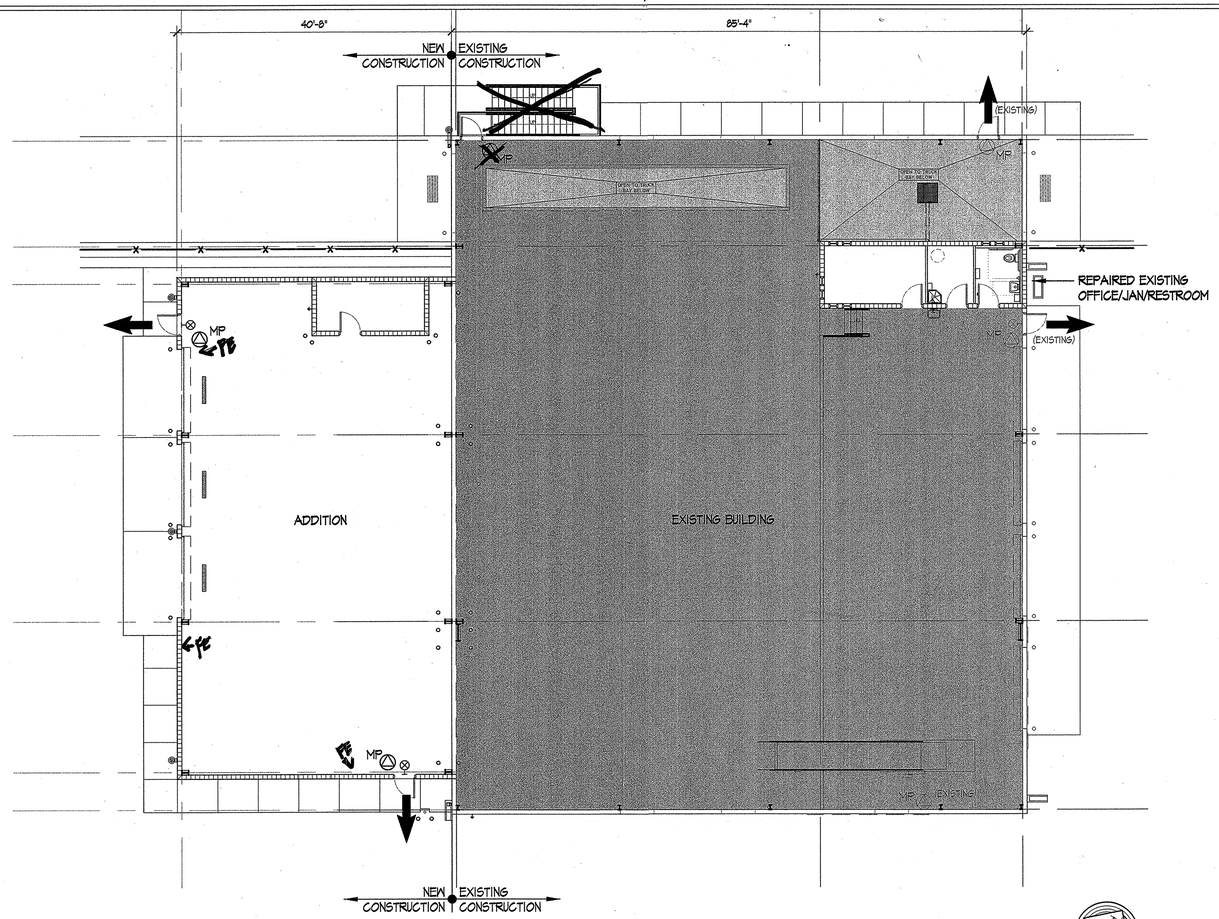
N.M.R.A. NO. 1784

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS
2701 Miles Road SE, Albuquerque, New Mexico 87106 505 242 5700 office 505 242 0673 fax

G-001

SHEET

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT



LIFE SAFETY PLAN

3/32" = 1'-0" (2)

SECTION INDICATOR	KEYED NOTE INDICATOR
DETAIL INDICATOR	FLOOR DRAIN
INTERIOR ELEVATION INDICATOR	PORTABLE FIRE EXTINGUISHER SEE BUILDING CRITERIA FOR QUANTITY AND TYPE
ROOM IDENTIFIER	EXIT TO PUBLIC WAY
WINDOW TYPE IDENTIFIER	ELEVATION MARKER
DOOR TAG	

EMERGENCY EGRESS LIGHT	HVAC GRILL AND EXHAUST FAN SEE MECH DWGS
ILLUMINATED EXIT SIGN	
WALL MOUNTED LIGHT FIXTURE	
PENDANT HUNG LIGHT FIXTURE SEE ELEC DWGS	
SURFACE MOUNT LIGHT FIXTURE SEE ELEC DWGS	

SYMBOLS LEGEND

N.T.S. (3)

VILLAGE OF LOS LUNAS
WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

BUILDING CRITERIA per 2009 NMBC, IBC AND IFC

TYPE	BUILDING USE	WASTE TRANSFER STATION
	OCCUPANCY CLASSIFICATION	MODERATE HAZARD STORAGE S-1
	TYPE OF CONSTRUCTION	NON-COMBUSTIBLE IIB
	CLASSIFICATION OF WORK	EXISTING BLDG = REPAIRS + NEW ADDITION
BUILDING ATTRIBUTES TABLE 503	ALLOWABLE AREA PER FLOOR	17,500 SF
	ALLOWABLE BUILDING HEIGHT	2 STORIES / 55 FT
	ACTUAL FLOOR AREA - TOTAL EXISTING	8400 SF
	ACTUAL LEVEL 2 ALTERATION AREA	300 SF
	UNCHANGED AREA	8100 SF
	ACTUAL FLOOR AREA - ADDITION	3000 SF
	ACTUAL FLOOR AREA - TOTAL	11,400 SF
	ACTUAL BUILDING HEIGHT	1 STORY / 33 FT
	STRUCTURAL CRITERIA	SEE SHEET S00-001
EXTERIOR PROTECTION	FIRE SEPARATION DISTANCES	DISTANCE FROM BUILDING FACE TO CLOSEST INTERIOR LOT LINE, CENTER OF PUBLIC WAY,OR MIDPOINT BETWEEN TWO BUILDINGS ON A LOT
	NORTH	> 30 FT
	EAST	> 30 FT
	SOUTH	> 30 FT
	WEST	> 30 FT
	EXTERIOR WALL FIRE RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE AND TABLE 602	NONE REQUIRED
INTERIOR PROTECTION	FIRE SPRINKLER	<12,000 SF - NOT REQUIRED
	FIRE EXTINGUISHERS IFC 906 - 4 REQUIRED	3 EXISTING + 3 NEW MP 4-A:60-B:C TOTAL PROVIDED = 6
DESIGN OCCUPANT LOAD MEANS OF EGRESS	OCCUPANCY	WAREHOUSE
	FLOOR AREA FOR MEANS OF EGRESS CALCULATIONS	10,460 SF
	GROSS FLOOR AREA PER OCCUPANT PER TABLE 1004.1.1	500 GROSS
	OCCUPANT LOAD	21
	MEANS OF EGRESS REQUIRED	2
	MEANS OF EGRESS PROVIDED	4 in TOTAL
	EGRESS WIDTH REQUIRED	32 INCHES CLEAR
	EGRESS WIDTH PROVIDED	5 AT 33 INCHES CLEAR EACH
PLUMBING FIXTURES TABLES 2902.1	PLUMBING FACILITIES CLASSIFICATION	8 STORAGE
	IBC 2902.1.1 EXCEPTION	
	WATER CLOSET - REQUIRED - 1 PER 100	PROVIDED = 1
	LAVATORY - REQUIRED - 1 PER 100	PROVIDED = 1
	SERVICE SINK - REQUIRED - 1	PROVIDED = 1
	DRINKING FOUNTAIN - REQUIRED - 1 PER 100	POTABLE DRINKING WATER PROVIDED BY OWNER

BUILDING CRITERIA

3/32" = 1'-0" (1)

MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT
8/14/11

REV NO	REV DATE	DESCRIPTION

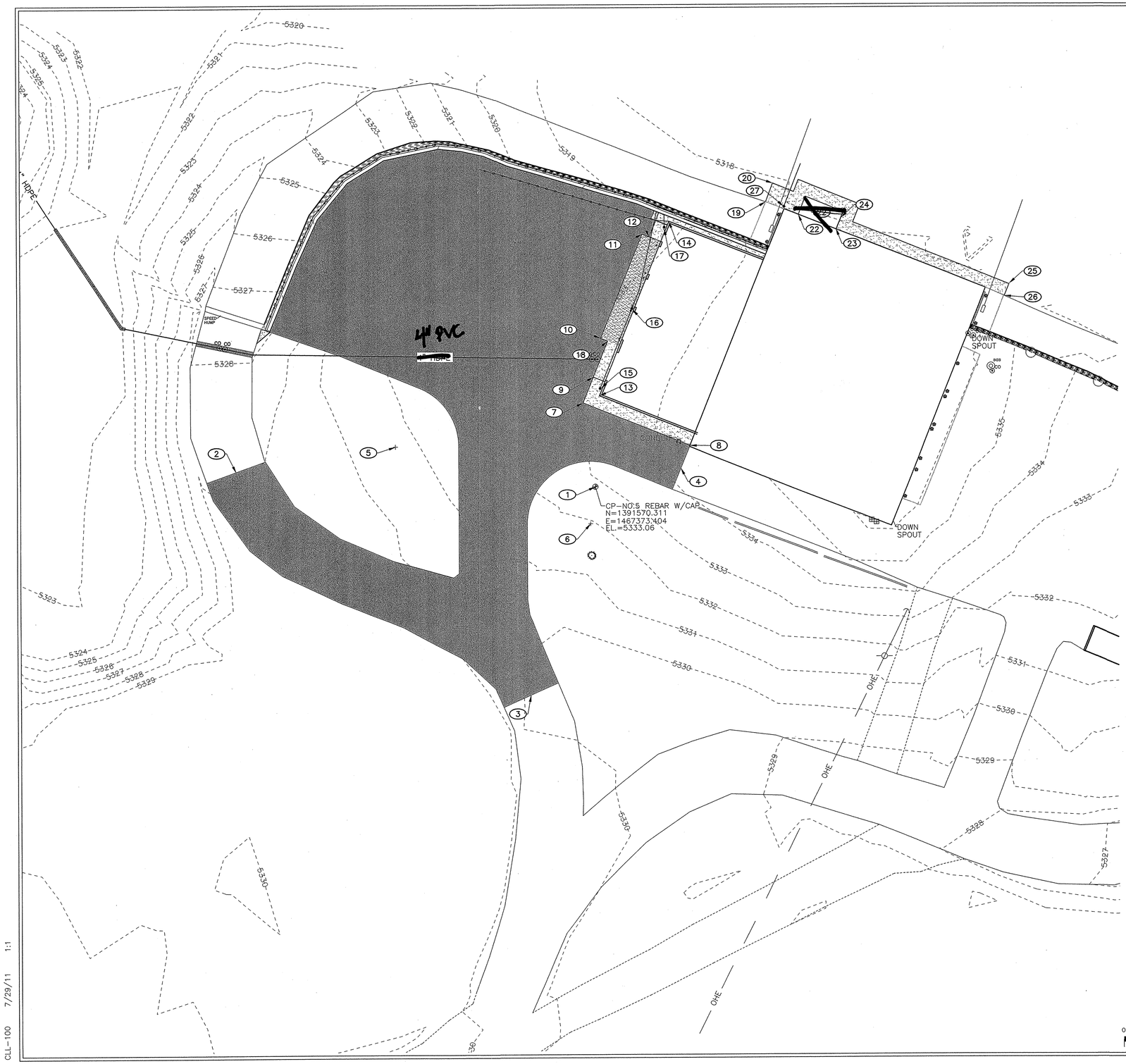
PROJECT NUMBER: LL066-12
DESIGNED BY: ANTONIO ARANDA III
DRAWN BY: ANTONIO ARANDA III
CHECKED BY: JOHN Q. PATE
ARCHITECT JOHN Q. PATE
PROJECT DATE: MARCH 2011

LIFE SAFETY PLAN
BUILDING CRITERIA
SYMBOLS LEGEND

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

G-002
SHEET

LL-002 8/2/11 1:1



COORDINATE TABLE			
PT #	NORTHING	EASTING	DESC.
1	1391570.31	1467373.40	CONTROL POINT NO.5 REBAR
2	1391576.57	1467231.59	EDGE OF NEW ASPHALT MIDPOINT
3	1391487.42	1467347.75	EDGE OF NEW ASPHALT MIDPOINT
4	1391577.57	1467407.19	EDGE OF NEW ASPHALT MIDPOINT
5	1391586.16	1467294.47	CENTER OF CURVE
6	1391555.41	1467371.51	CENTER OF CURVE
7	1391603.17	1467368.65	EDGE OF CONCRETE
8	1391586.34	1467410.80	EDGE OF CONCRETE
9	1391613.39	1467372.73	EDGE OF CONCRETE
10	1391628.74	1467375.64	EDGE OF CONCRETE
11	1391670.22	1467392.21	EDGE OF CONCRETE
12	1391669.11	1467394.99	EDGE OF CONCRETE
13	1391605.96	1467375.15	BUILDING CORNER
14	1391675.30	1467402.85	BUILDING CORNER
15	1391608.89	1467375.42	DOWNSPOUT PIPING
16	1391640.63	1467388.10	DOWNSPOUT PIPING
17	1391672.95	1467401.01	DOWNSPOUT PIPING
18	1391627.63	1467378.42	EDGE OF CONCRETE
19	1391682.72	1467441.07	EDGE OF CONCRETE
20	1391689.96	1467443.88	EDGE OF CONCRETE
21	1391684.85	1467456.78	EDGE OF CONCRETE
22	1391677.88	1467453.99	EDGE OF CONCRETE
23	1391672.01	1467468.81	EDGE OF CONCRETE
24	1391676.54	1467470.76	EDGE OF CONCRETE
25	1391650.04	1467537.06	EDGE OF CONCRETE
26	1391645.16	1467535.09	EDGE OF CONCRETE
26	1391680.96	1467448.31	CATCH BASIN

NOTE:

1. ALL COORDINATES PROVIDED IN THIS TABLE ARE APPROXIMATE
2. CONTROL POINTS SHOWN HEREIN ARE SPECIFIC TO THIS PROJECT AND MAY NOT TRANSLATE TO ANY PUBLISHED COORDINATE SYSTEM

N

0 2' 5' 10' 20' 40'

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
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505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

DANIEL W. HOGAN NEW MEXICO 9094 REGISTERED PROFESSIONAL ENGINEER 8/2/11

REV NO	REV DATE	DESCRIPTION

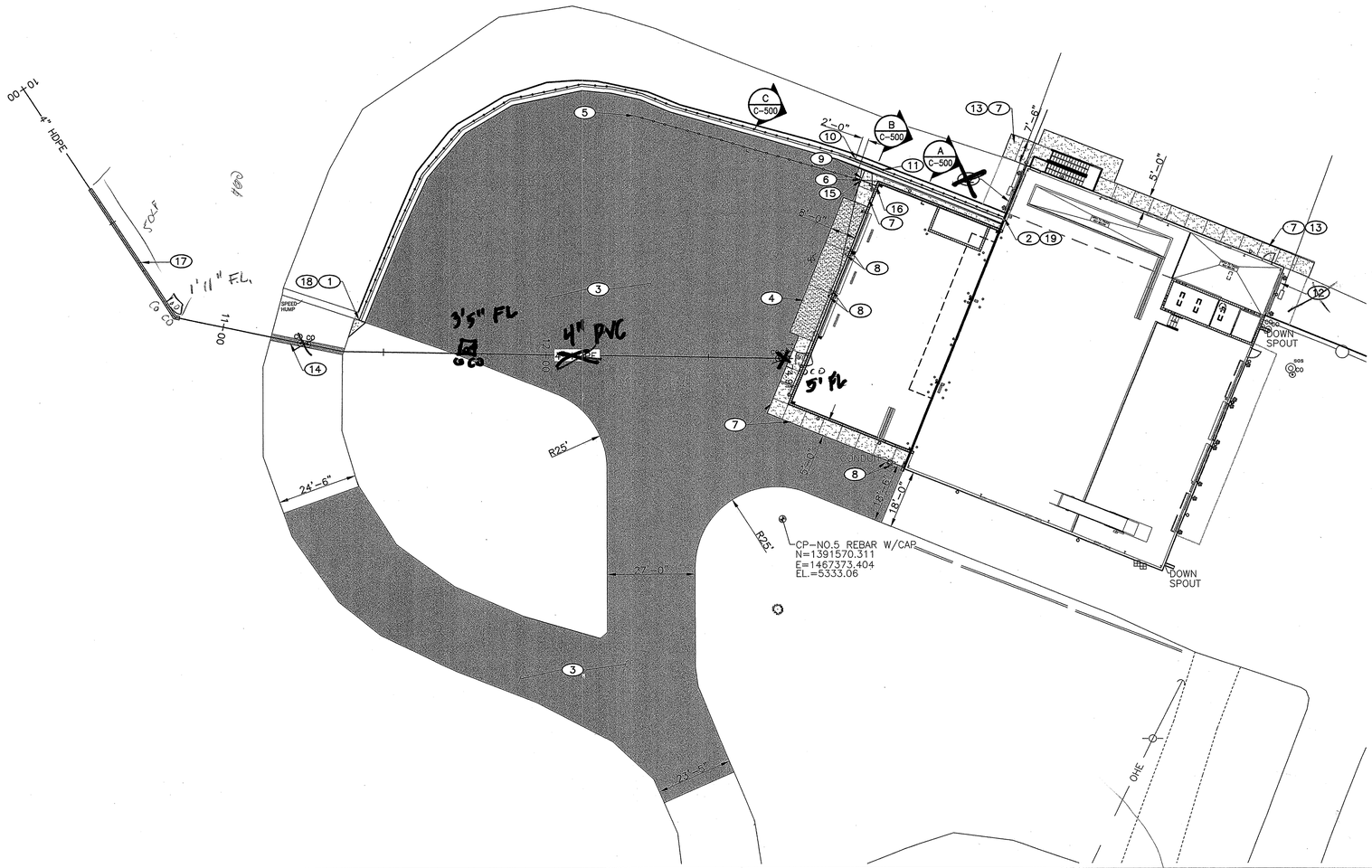
PROJECT NUMBER:	LLxxx-xx
DESIGNED BY:	D. HOGAN
DRAWN BY:	MC STAFF
CHECKED BY:	D. HOGAN
ARCHITECT:	JOHN QUINN PATE
PROJECT DATE:	MARCH 2011

SURVEY CONTROL

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

C-100
SHEET of

CLL-100 7/29/11 1:1



KEYED NOTES

1. BEGIN 8" CURB & GUTTER SEE DETAIL SHEET C-500
2. END 8" CURB & GUTTER
3. INSTALL NEW 4" ASPHALT OVER 8" BASE COURSE & 12" SUBGRADE PREP SEE DETAIL SHEET C-500
4. INSTALL NEW 6" REINFORCED CONCRETE OVER 8" BASE COURSE & 12" SUBGRADE PREP SEE DETAIL SHEET C-500
5. BEGIN W-BEAM GUARDRAIL WITH STEEL POST & TYPE 'B' END SECTION SEE DETAIL SHEETS C-502 THRU C-510
6. END W-BEAM GUARDRAIL
7. NEW CONCRETE SIDEWALK SEE DETAIL SHEET C-500
8. INSTALL NEW CONCRETE FILLED BOLLARD SEE ARCHITECTURAL SHEETS FOR LOCATIONS, SEE STRUCTURAL SHEETS FOR DETAIL
9. (2) 6" PIPE PENETRATIONS SEE DETAIL SHEET C-500 FOR EDGE TREATMENT
10. BEGIN ALUMINIZED METAL SPLASH PLATE SEE DETAIL SHEET C-500
11. END SPLASH PLATE
12. INSTALL ASPHALT SPEED BUMP SEE DETAIL SHEET C-500
13. 8" BASE COURSE UNDER SIDEWALK NOT REQUIRED ON NORTH SIDE OF BUILDING
14. REPLACE 1'-0" STRIP ASPHALT, NEW ASPHALT SECTION TO MATCH EXISTING ASPHALT SECTION
15. BEGIN INSTALLATION OF NEW 42" PEDESTRIAN GUARD RAIL SEE DETAIL SHEET C-501
16. END INSTALLATION OF NEW 42" PEDESTRIAN GUARD
17. CONCRETE ENCASED 4" HDPE DRAIN LINE UNDER EXISTING SWALE (LENGTH TO BE FIELD DETERMINED) SEE DETAIL SHEET C-501
18. BEGIN INSTALLATION OF NEW 6'-0" HIGH CHAIN LINK FENCE SEE DETAIL SHEET C-501
19. END INSTALLATION OF NEW 6'-0" HIGH CHAIN LINK FENCE

LEGEND

- NEW ASPHALT
- NEW 4" CONCRETE
- NEW 6" REINFORCED CONCRETE
- NEW W-BEAM GUARDRAIL
- NEW PEDESTRIAN GUARDRAIL
- OHE — EXISTING ELECTRIC LINE

N

0 2' 5' 10' 20' 40'

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DANIEL W. HOGAN NEW MEXICO 9094 REGISTERED PROFESSIONAL ENGINEER 8/1/11

REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER:	LL-xxx-xx
DESIGNED BY:	D. HOGAN
DRAWN BY:	MC. STAFF
CHECKED BY:	D. HOGAN
ARCHITECT:	JOHN QUINN PATE
PROJECT DATE:	MARCH 2011

SITE PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

C-102
SHEET of

CLL-102 8/1/11 1:1

GENERAL SHEET NOTES

A. EXISTING TIRE BAILS, METAL, & DEBRIS TO BE MOVED AND RELOCATED BY OWNER

B. CONTRACTOR SHALL USE CAUTION WORKING AROUND EXISTING POND SO AS NOT TO DAMAGE POND LINER. IN THE EVENT OF DAMAGE TO THE LINER IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AT THEIR COST. NO FURTHER PAYMENT WILL BE MADE.

C. ALL DRAINAGE SWALES ON THE NORTH SIDE OF BUILDING THAT NEED TO BE CROSSED SHALL BE REPLACED IN KIND, AND AS SUCH TO PREVENT WASHOUT.

KEYED NOTES

1. INSTALL ADS DOWNSPOUT ADAPTER OR APPROVED EQUAL SEE DETAIL SHEET C–501
2. INSTALL ADS DOWNSPOUT ADAPTER WITH FABRICATED HDPE 45° WYE OR APPROVED EQUAL SEE DETAIL SHEET C–501
3. INSTALL 6" HDPE DRAIN LINE PARALLEL TO EXISTING 8" PVC LINE. MATCH INVERT OF EXISTING 8" PVC DRAIN LINE AT OUTFALL INTO DITCH
4. INSTALL 6" HDPE STORM DRAIN PIPE
5. SEE 6" PIPE PENETRATION DETAIL SHEET C–500
6. INSTALL 1 – 4" 45° BEND
7. MATCH SIDEWALK TO FINISH FLOOR / DOOR THRESHOLD SLOPE SIDEWALK 2% AWAY FROM BUILDING
8. GRADE AREA TO DRAIN NORTH OVER NEW DRAIN LINE TO EXISTING SWALE
9. CLEAN EXISTING SD INLET & 8" PIPE, TO ENSURE POSITIVE DRAINAGE TO OUTLET
10. CONNECT NEW 4" HDPE LINE TO FLOOR DRAIN STUB–OUT FROM BUILDING. SEE MECHANICAL DRAWINGS FOR CONNECTIONS
11. NEW PENETRATION INTO EVAPORATION POND AT APPROXIMATE ELEVATION 5322, TO BE CONFIRMED BY ENGINEER AT TIME OF INSTALLATION
12. CONTRACTOR TO FIELD LOCATE EXISTING FLOOR DRAIN LINE & VERIFY VERTICAL ELEVATION, CONNECT TO FLOOR DRAINS IN ADDITION, CAP & ABANDON OLD LINE LEADING TO POND. SEE MECHANICAL DRAWINGS FOR CONNECTIONS
13. WARP CURB & GUTTER TO FORM RUNDOWN FROM CURB & GUTTER TO EDGE OF ROADWAY AT SPEED HUMP
14. DO NOT CONNECT ROOF DRAIN SYSTEM & FLOOR DRAIN SYSTEM INTO ONE ANOTHER
15. INSTALL NEW 4" DRAIN LINE AT CONSTANT SLOPE TO ENSURE POSITIVE DRAINAGE TO EVAPORATION POND. SEE PROFILE SHEET C–501
16. CONCRETE ENCASE 4" HDPE DRAIN LINE UNDER EXISTING SWALE (LENGTH TO BE FIELD DETERMINED) SEE DETAIL SHEET C–501
17. TURN DOWNSPOUT ON ROOF DRAIN AND ADD EXTENSION TO DIRECT WATER SOUTH AWAY FROM BUILDING. DO NOT DISTURB CONDUIT LEADING TO WELL HEAD, EXTENSION SHALL BE EXTENDED 6" BEYOND BUILDING CORNER
18. INSTALL 1 – DOUBLE NON–PRESSURE CLEAN–OUT WITH TRAFFIC RATED CAP SEE DETAIL SHEET C–501
19. INSTALL 1 – 4" 22.5° BEND

TC32.11 FL31.44
TC33.71 FL33.04
TS34.54 FL33.40
TC30.33 FL29.66
TC29.23 FL28.56
TC35.06 FL34.39
TS18.47
TS18.36
TS18.63
TS18.61
TS18.57
TS34.57
TS34.73
TS34.54
FF34.73
4" HDPE
4" PVC
12.00
SPEED HUMP
DOWN SPOUT
GRADING LIMITS
CP–NGS REBAR W/CAP
N=1391570.311
E=1467373.104
EL.=5353.06
TA30.00
TA31.00
TA32.00
TA33.00
TA34.00
TA=MATCH EXISTING
OHE
5320 5321 5322 5323 5324 5325 5326 5327 5328 5329 5330 5331 5332 5333 5334 5335

LEGEND

- NEW ASPHALT
- NEW 4" CONCRETE
- NEW 6" REINFORCED CONCRETE
- 5325 EXISTING MAJOR CONTOUR
- 5324 EXISTING MINOR CONTOUR
- 5325 NEW MAJOR CONTOUR
- 5324 NEW MINOR CONTOUR
- 2" PVC FM NEW 2" PVC FORCE MAIN
- OHE EXISTING ELECTRIC LINE
- NEW W–BEAM GUARDRAIL
- NEW PEDESTRIAN GUARDRAIL

N

0 2' 5' 10' 20' 40'

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

CLL–103 8/2/11 1:1

MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

DANIEL W. HOGAN NEW MEXICO 9094 REGISTERED PROFESSIONAL ENGINEER 8/2/11

REV NO	REV DATE	DESCRIPTION
		PROJECT NUMBER: LL062–12
		DESIGNED BY: D. HOGAN
		DRAWN BY: MC STAFF
		CHECKED BY: D. HOGAN
		ARCHITECT: JOHN QUINN PATE
		PROJECT DATE: MARCH 2011

GRADING & DRAINAGE PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

C-103
SHEET of

GENERAL CRITERIA

1. DESIGN LOADS:
   - A. VERTICAL DEAD LOADS — IBC 2009
     - ROOF — 10 psf MIN.
   - B. VERTICAL LIVE LOADS — IBC 2009
     - SNOW LOAD — 20.0 psf NON-REDUCIBLE
   - C. WIND LOADS — SECTION 1609, IBC 2009
     - BASIC WIND SPEED — V_{3S} = 110 MPH
     - EXPOSURE — "C"
     - BUILDING OCCUPANCY CATEGORY — II
     - IMPORTANCE FACTOR — I = 1.00
     - EXPOSURE AND GUST FACTOR — Ce = 1.21 [0-15'] / Ce = 1.29 [20'] / Ce = 1.35 [25'] / Ce = 1.40 [30']
   - D. SEISMIC LOADS — SECTION 1613, IBC 2009
     - SITE CLASS — C
     - SEISMIC USE GROUP — II

   ALLOWABLE 1/3 STRESS INCREASE FOR COMBINED VERTICAL AND WIND/SEISMIC LOADS

2. CAST-IN-PLACE CONCRETE:
   a. F'c = 3000psi @ 28 DAYS (AIR ENTRAINED) - ALL EXTERIOR BUILDING
   b. F'c = 3000psi @ 28 DAYS (NONE AIR ENTRAINED) - ALL BUILDING
3. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 OR A706, GRADE 60.
4. UNLESS NOTED OTHERWISE, LAP SPLICED OR EMBEDMENT LENGTHS SHALL CONFORM TO TABLE A, CLASS B SPLICE. SEE THIS SHEET, TABLE A.
5. UNLESS NOTED OTHERWISE, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUMS REQUIRED BY CURRENT ADDITION OF ACI 318.
6. REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM TO ACI 318 AND ACI 315, EXCEPT WHERE OTHERWISE INDICATED.

FOUNDATION NOTES

1. DESIGN FOUNDATION BEARING PRESSURE (NET) 2000 PSF FOR DEAD LOAD, 2000 PSF DEAD + LIVE LOAD. SEE GEOTECHANICAL REPORT BY VINYARD & ASSOCIATES PROJ.# 11-1-046, DATED 03/31/2011.
2. PLACE 4" DRAINAFE FILL FOR ALL BUILDING SLAB-ON-GRADE, UNLESS NOTED OTHERWISE.

   DRAINAGE FILL SEE -31 00 00 2.01.H SPEC SECTION
3. REINFORCEMENT SHALL BE PLACED MID-DEPTH OF SLAB, U.N.O.
4. FLOOR SLAB CONSTRUCTION JOINTS (C.J.) SHALL BE PLACED AS SHOWN ON FOUNDATION PLANS.
5. FLOOR SLAB ISOLATION JOINTS SHALL BE 30# FELT, U.N.O.
6. FOR CONSTRUCTION JOINT AND CONTROL JOINT SEE TYPICAL DETAILS.
7. CONCRETE FLOOR SLAB-ON-GRADE SHALL BE PLACED IN LANES. SPACING OF JOINTS SHALL BE AS SHOWN ON THE FOUNDATION PLAN. CONSTRUCTION JOINTS SHALL BE USED FOR THE JOINTS BETWEEN LANES, AND WEAKENED PLANE JOINT SHALL BE USED ACROSS EACH LANE.
8. CHAMFER EXPOSED EDGES OF CONCRETE 3/4", UNLESS OTHERWISE NOTED.
9. SUBGRADE PREPARATION:
   EXISTING FOUNDATIONS AND UTILITIES AT ANY POINT BENEATH OR WITHIN 5' OF THE NEW STRUCTURES SHALL BE REMOVED ENTIRELY. ANY FILL MATERIAL FROM PREVIOUS CONSTRUCTION ACTIVITIES WHICH IS ENCOUNTERED WITHIN THE BUILDING FOOTPRINT SHOULD ALSO BE REMOVED ENTIRELY. EXPOSED SUB GRADE AT THE BASE OF REQUIRED EXCAVATION WHICH IS TO RECEIVE FILL SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY ACCORDING TO ASTM D-1557 FOR COHESIVE MATERIAL, AND 95% MAXIMUM DENSITY ACCORDING TO ASTM D-1557 FOR COHESIONLESS MATERIAL, TO A MINIMUM DEPTH OF 8". SEE EXCAVATION/FILL DETAIL, SHEET S-001 AND GEOTECH REPORT SECTIONS 6.0 AND 9.0.
10. FILL:
    ALL FILL PLACED UNDER BUILDING SLABS SHALL BE NON-EXPANSIVE AND SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY ACCORDING TO ASTM D-1557. SEE GEOTECHNICAL REPORT FOR COMPLETE REQUIREMENTS FOR ENGINEERED FILL, PARAGAPH 9.5.

PRE-ENGINEERED METAL BUILDING NOTES

1. THE BUILDING SHALL BE A MANUFACTURER'S STANDARD PREFABRICATED METAL STRUCTURE OF THE APPROXIMATE INSIDE AREA SHOWN, EXCEPT AS NOTED. RIGID FRAMES SHALL BE SPACED AS SHOWN ON THE PLAN TO CTR., BUT OVERALL DIMENSIONS AND CONSTRUCTION DETAILS MAY VARY TO SUIT MANUFACTURER'S STANDARD DESIGN, HOWEVER WEB THICKNESS OF RIGID FRAMES SHALL BE 3/16" MINIMUM.
2. THE BUILDING SHALL BE DESIGNED AND FABRICATED ACCORDING TO AISC-MB CERT., AND AISI LATEST SPECIFICATIONS. THE DIMENSIONAL TOLERANCES OUTLINED IN THE AWS CODE UNDER WORKMANSHIP AND THE TOLERANCES APPLICABLE TO ROLL FORM STEEL UNDER THE AISC "STANDARD MILL PRACTICE" SECTION SHALL BE REQUIRED IN THE FABRICATION OF THE STEEL BUILDING FRAMES.
3. THE BUILDING SHALL BE DESIGNED FOR A MINIMUM COLLATERAL DEAD LOAD OF 10 PSF IN ADDITION TO THE ACTUAL DEAD LOAD OF THE STRUCTURE.
4. A COMPLETE DESIGN ANALYSIS SHOWING ALL CALCULATIONS FOR THE RIGID FRAMES, GIRTS, PURLINS, AND X-BRACING FOR WIND AND SEISMIC LOADS AND A LAYOUT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SUBMITTED FOR APPROVAL WITH ALL THE MAIN MEMBERS. TYP. CONNECTIONS (SHOWING BOLT HOLES AND WELDS),
5. THE BUILDING SHALL BE DESIGNED FOR VERT. AND HORIZ. SUPPORT OF ALL MECHANICAL EQUIPMENT INCLUDING HEATERS, EXHAUST SYSTEMS, ELECTRICAL SYSTEMS, AND ALL OTHER SUCH DEVICES. ADDITIONAL GIRTS OR PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF ALL MECHANICAL EQUIPMENT.
6. DESIGN LOADS SHALL CONFORM WITH THE GENERAL NOTES. LOAD COMBINATIONS SHALL COMPLY WITH MBMA SPECIFICATIONS, AND IBC 2009
7. UNLESS X-BRACING IS USED TO TAKE LATERAL LOADS, LOAD TEST ON ROOF MUST BE SUBMITTED WHERE THESE ARE USED AS A DIAPHRAGM
8. ROOF DECK USED AS A DIAPHRAGM SHALL BE A MINIMUM OF 22 GAGE.

MASONRY

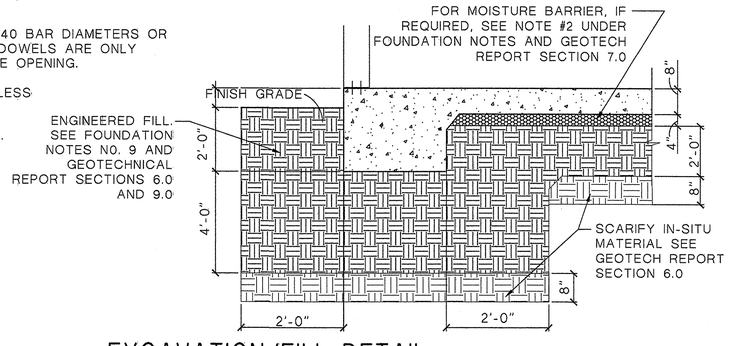
1. UNLESS OTHERWISE NOTED, ALL CONCRETE MASONRY UNITS (CMU) SHALL BE 2-CELL BLOCK AND HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON NET AREA.
2. ALL MASONRY BOND BEAMS, LINTELS AND BLOCKS WITH EMBEDDED ANCHOR BOLTS SHALL BE FILLED WITH 2000 PSI GROUT.
3. LAP ALL MASONTY REINFORCING BARS 40 DIAMETERS OR 18" MINIMUM UNLESS OTHERWISE NOTED.
4. VERTICAL CELLS TO BE FILLED SHALL BE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL NOT LESS THAN 2"x3" IN PLAN DIMENSIONS.
5. FOUNDATION DOWELS SHALL EXTEND A MINIMUM OF 0 DIAMETERS OR 18" MINIMUM IN TO THE FOUNDATION CONCRETE AND 40 DIAMETERS INTO THE MASONRY WALL OR PARTITION. LAPS OR SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE 2'-0" OR 40 DIAMETERS WHICHEVER IS GREATER. THERE SHALL BE A FOUNDATION DOWEL FOR EACH VERTICAL REINFORCING BAR.
6. VERTICAL WALL REINFORCING SHALL EXTEND CONTINUOUSLY FROM THE TOP OF FOUNDATION TO EMBED AT LEAST 6" INTO TOP OF WALL BOND BEAM.
7. AN ADDITIONAL VERTICAL BAR WITH FOUNDATION DOWEL, SAME SIZE AND LENGTH AS NORMAL REINFORCING BAR, SHALL BE PLACED.
   A. ON EACH SIDE OF CONTROL JOINTS.
   B. AT INTERSECTION OF EXTERIOR WALLS.
8. BOND BEAM REINFORCING STEEL FOR INTERIOR AND EXTERIOR WALLS SHALL BE CONTINUOUS THROUGHOUT, EXCEPT AT CONTROL AND ISOLATION JOINTS.
   A. AT CONTROL JOINTS INTERMEDIATE BOND BEAM REINFORCEMENT SHALL BE DISCONTINUOUS. REINFORCEMENT IN BOND BEAMS AT FLOOR AND ROOF DIAPHRAGM LEVELS SHALL BE CONTINUOUS.
   B. AT ISOLATION JOINTS ALL BOND BEAM REINFORCING STEEL SHALL BE CUT.
9. LOCATION AND DETAILS OF CONTROL AND ISOLATION WALL JOINTS SHALL BE AS DETAILED ON DRAWINGS.
10. BARS AROUND PERIMETER OF OPENINGS SHALL EXTEND NOT LESS THAN 40 BAR DIAMETERS OR 24", WHICHEVER IS LARGER, BEYOND CORNER OF OPENING. FOUNDATION DOWELS ARE ONLY REQUIRED WHEN BAR DEVELOPMENT LENGTH DOES NOT EXIST BELOW THE OPENING.
11. VERTICAL REINFORCING SHALL BE SPACED AT 24" O.C. FOR ALL CMU UNLESS OTHERWISE NOTED ON THE DRAWINGS.
12. HORIZONTAL REINFORCING SHALL BE SPACED NO GREATER THAT 48" O.C. UNLESS NOTED OTHERWISE ON THE DRAWINGS.

TABLE A - REINFORCEMENT TENSION LAPS, EMBEDMENT AND HOOK LENGTHS (1)
fy = 60000 psi f'c = 3000 psi (2) (3)

BAR SIZE (d)	CLEAR SPACING (IN) (4)			EMBEDMENT AND CLASS A LAP (IN) (5)(6)(7)						CLASS B LAP (IN) (6)(8)						HOOK (IN) (9)
				TOP BAR (10)			OTHER BARS			TOP BAR (10)			OTHER BARS			
	2d	3d	5d	2d≤S<3d	S≥3d	S≥5D	2d≤S<3d	S≥3d	S≥5D	2d≤S<3d	S≥3d	S≥5D	2d≤S<3d	S≥3d	S≥5D	
3	3/4	1 1/8	1 7/8	16	16	16	13	13	13	21	21	21	16	16	16	9
4	1	1 1/2	2 1/2	22	22	22	17	17	17	28	28	28	22	22	22	11
5	1 1/4	1 7/8	3 1/8	27	27	27	21	21	21	35	35	35	27	27	27	14
6	1 1/2	2 1/4	3 3/4	35	32	32	27	25	25	46	42	42	35	32	32	17
7	1 3/4	2 5/8	4 3/8	48	38	38	37	29	29	63	49	49	48	38	38	20
8	2	3	5	63	45	43	49	35	33	82	59	56	63	45	43	22
9	2.256	3 3/8	5 5/8	80	57	48	62	44	37	104	74	63	80	57	48	25
10	2.54	3.81	6.35	102	73	58	78	56	45	132	94	76	102	73	58	28
11	2.82	4.23	7.05	125	89	71	96	69	55	162	116	93	125	89	71	31

NOTES FOR TABLE A REINFORCEMENT TENSION LAPS

1. LENGTHS SHOWN CONFORM WITH NON SEISMIC PROVISIONS OF ACI 318-95 FOR UNCOATED BARS NOT ENCLOSED BY CLOSELY SPACED SPIRALS OR TIES. DEVELOPMENT OF REINFORCEMENT NOT COVERED BY THE TABLE SHALL CONFORM WITH ACI 318-95.
2. MULTIPLY LENGTHS SHOWN BY 0.87 FOR 4000 PSI. (WHEN USED) CONCRETE, BUT LENGTH OF LAP SHALL NOT BE LESS THAN 12 INCH.
3. MULTIPLY LENGTHS SHOWN BY 1.3 FOR LIGHTWEIGHT AGGREGATE CONCRETE.
4. BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS WHEN ALL BARS ARE LAPPED AT THE SAME LOCATION. WHEN BAR LAPS ARE STAGGERED, AND LAP HALF THE BARS ARE LAPPED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS TWICE THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS. WHEN ALL BARS ARE EMBEDDED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS ONE BAR DIAMETER.
5. CLASS A LAP LENGTHS APPLY ONLY WHERE NOTED ON THE DRAWINGS.
6. LAP AND EMBEDMENT LENGTHS SHOWN APPLY WHEN MINIMUM CONCRETE COVER OVER BARS CONFORMS WITH VALUES GIVEN IN THE TABLE FOR "CONCRETE COVER". THESE COVER VALUES CONFIRM WITH ACI 318-95.
7. CLASS A LAP AND EMBEDMENT LENGTH HAVE SAME VALUE.
8. CLASS B LAP LENGTHS APPLY FOR ALL SPLICES UNLESS NOTED OTHERWISE.
9. HOOK LENGTH GIVEN IS THE STRAIGHT LINE DISTANCE FROM THE LOCATION OF MAXIMUM STRESS IN THE BAR TO THE OUTSIDE END OF THE HOOK. MULTIPLY LENGTHS GIVEN BY 0.7 FOR HOOKS WITH SIDE COVER NORMAL TO THE HOOK NOT LESS THAN 2-1/2 INCH AND FOR 90 DEGREE HOOKS COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCH.
10. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12 INCHES OF CONCRETE IS CAST BELOW THE REINFORCEMENT.
11. MULTIPLY LAP AND EMBEDMENT LENGTHS GIVEN BY 2.0 FOR BARS WITH CLEAR SPACING OF TWO BAR DIAMETERS OR LESS OR CONCRETE COVER OF ONE BAR DIAMETER OR LESS.
12. MINIMUM CONCRETE COVER FROM FACE OF MEMBER TO EDGE BAR SHALL NOT BE LESS THAN TWO AND ONE HALF BAR DIAMETERS.



EXCAVATION/FILL DETAIL

NTS

A S-001

MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
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505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

ABQ Engineering
Engineers Planners Construction Services
6739 Academy Rd. NE, Suite 130, Albuquerque, NM 87109
505.353.7805
ABQ Project: 11-018

RONI G. BOOTH STATE OF NEW MEXICO No. 5853 REGISTERED PROFESSIONAL ENGINEER 9/9/11

REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: LL066-12
DESIGNED BY: NV
DRAWN BY: ASA
CHECKED BY: RGB
PROJECT DATE: MARCH 2011

GENERAL STRUCTURAL NOTES

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

S-001
SHEET

QUALITY ASSURANCE PLAN

A. GENERAL REQUIREMENTS:

1. THE CONTRACTOR SHALL EMPLOY OWNER APPROVED SPECIAL TESTING IN ACCORDANCE WITH SECTION 1704.1 OF THE IBC 2009 THROUGH THIS CONTRACT AND THROUGH A SEPARATE CONTRACT FOR SOILS, CONCRETE AND ASPHALT TESTING. THIS CONTRACTOR IS RESPONSIBLE TO PROVIDE THE OWNER WITH CERTIFIED RESULTS OF SPECIAL TESTING EXCEPT FOR SOIL, CONCRETE AND ASPHALT TESTING.

2. THE PERMIT APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PER SECTION 1704.1 OF THE IBC-2009. SEE BELOW.

3. SPECIAL INSPECTORS SHALL SUBMIT INSPECTION REPORTS TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE REPORT SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SECTION 1704.1.2 OF THE IBC-2009.

4. THE REQUIRED SPECIAL INSPECTIONS FOR THE FACILITY ARE LISTED BELOW. ALL OTHER NORMAL INSPECTIONS AND TESTING NOT LISTED IN THE SPECIAL INSPECTIONS LISTED BELOW (SOILS COMPACTION TESTING, CONCRETE SAMPLING AND TESTING, PERMIT AGENCY INSPECTIONS, ETC.) SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. ALL TESTING AND INSPECTIONS, AS WELL AS ALL QUALITY ASSURANCE TESTING AND INSPECTIONS, SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORK FLOW OF THE PROJECT.

5. ALL STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES FABRICATED IN THE FABRICATORS' SHOP SHALL BE REQUIRED TO HAVE SPECIAL INSPECTIONS. THESE SPECIAL INSPECTIONS SHALL CONSIST OF VERIFICATION BY SPECIAL INSPECTOR THAT FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATORS' ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THESE INSPECTIONS ARE NOT REQUIRED IF THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE ENGINEER/ARCHITECT/OWNER/BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

B. SPECIAL INSPECTIONS

1. STEEL CONSTRUCTION: THE SPECIAL INSPECTIONS FOR THE STEEL OF THE FACILITY SHALL BE AS FOLLOWS AND AS LISTED BELOW:

   A. PERIODIC INSPECTION FOR MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS. THIS INCLUDES IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. ALSO INCLUDES MANUFACTURER'S CERTIFICATE OF COMPLIANCE.

   B. PERIODIC INSPECTION IS REQUIRED FOR STRENGTH BOLTING OPERATIONS USING BEARING-TYPE AND SLIP-CRITICAL CONNECTIONS.

   C. PERIODIC VISUAL INSPECTION IS REQUIRED FOR FIELD WELDING OF ALL SINGLE-PASS FILLET WELDING LESS THAN 5/16" USED FOR STRUCTURAL STEEL CONNECTIONS.

   D. PERIODIC, VISUAL INSPECTION IS REQUIRED FOR FIELD WELDING FOR THE ROOF DECKING.

   E. WELDING REINFORCING STEEL IS NOT ALLOWED SO NO INSPECTION IS REQUIRED.

STEEL CONSTRUCTION TABLE 1704.3-IBC 2009 ×

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1.a, 1.b		X
2.a		X
2.b	X	X
5.a.1	X	
5.a, 5.a.5, 6		X

× SEE TABLE 1704.3 FOR REFERENCED STANDARDS AND IBC REFERENCES

2. CONCRETE CONSTRUCTION: THE SPECIAL INSPECTIONS FOR THE CONCRETE ELEMENTS OF THE THIS FACILITY ARE:

   A. PERIODIC INSPECTION IS REQUIRED FOR ALL REINFORCING STEEL AND ALL CAST-IN-PLACE ANCHORS, BOLTS AND RODS.

   B. PERIODIC INSPECTION IS REQUIRED TO VERIFY THE APPROVED DESIGN MIX.

   C. CONTINUOUS INSPECTION IS REQUIRED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND TO DETERMINE THE TEMPERATURE OF THE CONCRETE.

   D. CONTINUOUS INSPECTION IS REQUIRED TO VERIFY PROPER APPLICATION TECHNIQUES, INCLUDING CONVEYING AND DEPOSITING OF MATERIAL.

   E. PERIOD INSPECTION IS REQUIRED TO VERIFY THE SPECIFIED CURING TEMPERATURE AND TECHNIQUES.

CONCRETE CONSTRUCTION TABLE 1704.4-IBC 2009 ×

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1,4,7		X
5,6	X	

× SEE TABLE 1704.4 FOR REFERENCED STANDARDS AND IBC REFERENCES

C. SEISMIC RESISTANCE

1. SEISMIC RESISTANCE REQUIREMENTS
   a. QUALITY PLAN FOR THE SEISMIC RESISTANCE OF THIS PROJECT WILL INCLUDE THE FOLLOWING ITEMS:

      1. SEISMIC-FORCE-RESISTING SYSTEM FOR THIS BUILDING: THIS SYSTEM CONSISTS OF MOMENT RESISTING FRAME.

   b. THE SPECIAL INSPECTIONS AND TESTING TO BE PROVIDED SHALL BE IN ACCORDANCE WITH THE SECTIONS 1704, 1707 AND 1708 OF THE IBC-2009.

   c. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS FOR THE STEEL BLDG. SHALL BE AS SHOWN ABOVE.

   d. THE TESTING AND SPECIAL INSPECTION REPORTS SHALL BE DISTRIBUTED DURING THE CONSTRUCTION PERIOD. SUBMIT THE REPORTS TO THE FOLLOWING.

      - BUILDING OFFICIALS
      - DESIGN PROFESSIONAL, (ENGINEER & ARCHITECT) AND FACILITY OWNER.

D. STRUCTURAL OBSERVATIONS

1. STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.

2. SIGNIFICANT CONSTRUCTION STAGES ARE:

   A. AFTER FOUNDATION REINFORCING IS IN PLACE BEFORE CONCRETE PLACEMENT

   B. AFTER FOUNDATION CONCRETE PLACEMENT

   C. AFTER STEEL ERECTION

   D. AFTER ROOF DECK PLACEMENT

   E. AFTER ALL STRUCTURAL SYSTEMS IN PLACE

E. CONTRACTOR RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF ANY OF THE SYSTEMS LISTED ABOVE SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL, THE REGISTERED DESIGN PROFESSIONAL PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTORS' STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

   1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THIS QUALITY ASSURANCE PLAN.

   2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

   3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTORS' ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF REPORTS.

   4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

F. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL SPECIAL INSPECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTORS OF THE TIME AND DATE OF THE INSPECTIONS.

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6739 Academy Rd. NE, Suite 130, Albuquerque, NM 87109
505.255.7002
ABQ Project: 11-018

RONI G. BOOTH
STATE OF NEW MEXICO
No. 5853
REGISTERED PROFESSIONAL ENGINEER

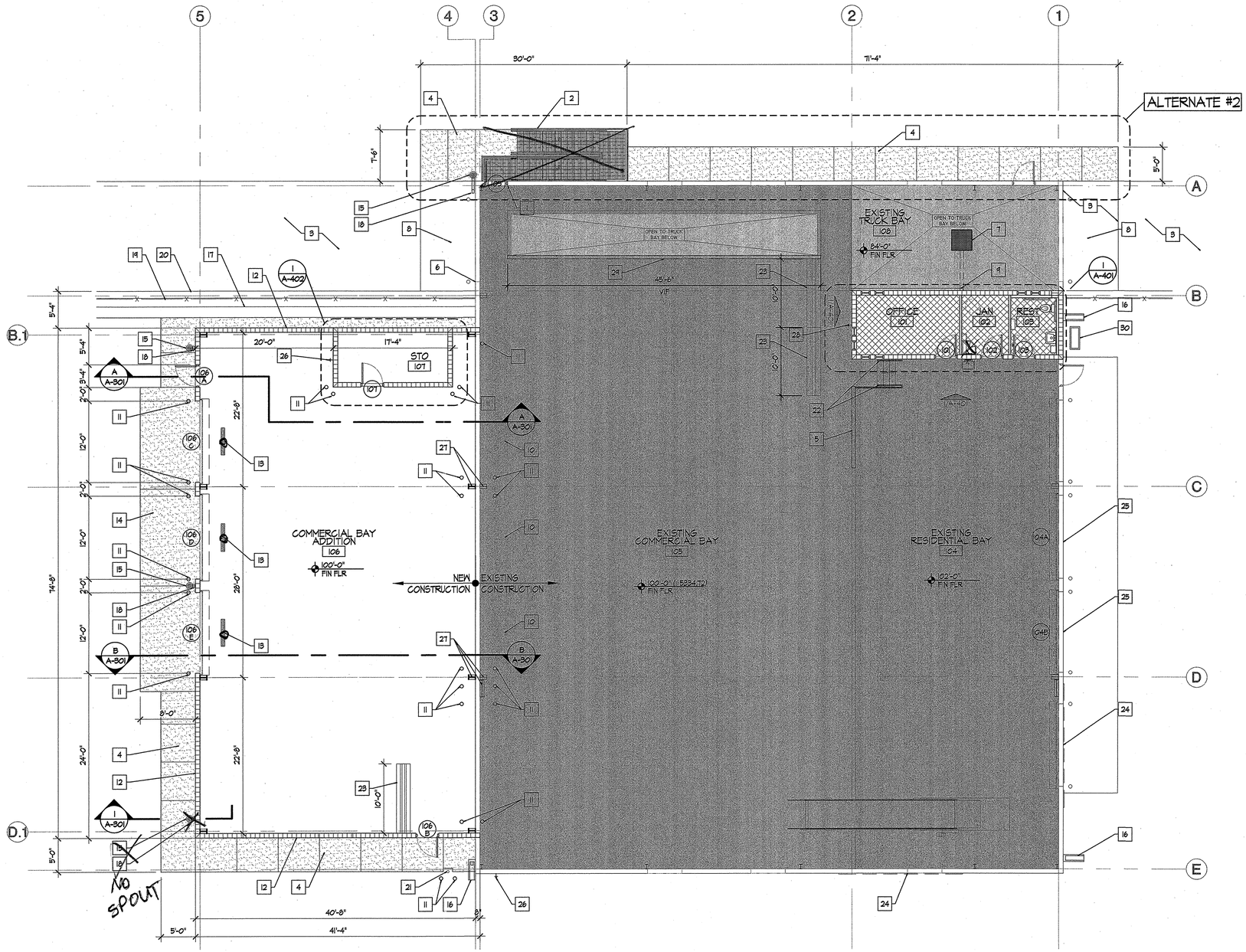
REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: LL066-12
DESIGNED BY: NV
DRAWN BY: ASA
CHECKED BY: RGB
PROJECT DATE: MARCH 2011

QUALITY ASSURANCE PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

S-002
SHEET



FLOOR PLAN: OVERALL

1

ALL-102 8/2/11 1:1

GENERAL NOTES:

A. DIMENSIONS AT EXISTING CONDITIONS ARE SUBJECT TO FIELD VERIFICATION.

B. DIMENSIONS AT FRAMED WALLS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED.

C. DIMENSIONS AT MASONRY WALLS ARE TO FACE OF MASONRY UNIT UNLESS OTHERWISE NOTED.

D. EXISTING WALL GIRTS TO BE MODIFIED/RELOCATED TO ACCOMMODATE NEW CONSTRUCTION.

KEYED NOTES:

1. ALT #2 - MODIFY EXST WALL PANEL TO ACCEPT NEW PERSONNEL DOOR AND FRAMING
2. ALT #2 - EXIT STAIRS, SEE S-102
3. EXIST DRIVE PAD
4. CONC SIDEWALK, SEE CIVIL DWGS
5. REPAIR METAL EDGE ANGLE SEE 10/S-301, FIELD VERIFY DIMENSIONS
6. REPLACE EXST ELECT OVERHEAD DOOR OPERATOR WITH SALVAGED MOTOR
7. SUMP PUMP, SEE M-102 & NEW SUMP 4/S-102
8. EXIST DROP INLETS
9. SUMP PUMP DISCHARGE LINE, SEE M-102
10. EXIST FLOOR DRAIN TO REMAIN
11. BOLLARD, SEE CIVIL & STRUCT DWGS
12. MASONRY WALL: APPLY DAMP PROOFING AND PROTECTION BOARD TO EXPOSED FACES OF BELOW GRADE CONCRETE AND MASONRY PRIOR TO BACKFILLING AGAINST WALL AND FOUNDATION
13. FLOOR DRAIN ~~TRENCH DRAINS~~, SEE M-102
14. THICKENED REINFORCED DRIVE PAD, SEE C-102
15. ROOF DRAIN TO ADAPTER, SEE CIVIL DWGS
16. CONC SPLASH BLOCK. SEE C-103 FOR ADDITIONAL NOTES
17. SLOPED CONCRETE, SEE CIVIL DWGS
18. MTL DOWNSPOUT, PAINTED
19. REPLACE CHAIN-LINK FENCE
20. EXIST RETAINING WALL
21. EXIST WELL PUMP SYS, PROTECT DURING CONSTRUCTION
22. PIPE HANDRAIL, PAINTED, SEE A-502
23. CONC K-RAIL, SEE C-501
24. ALT #1 - MTL PANEL SYS, SEE ELEV DWGS
25. REINSTALL SALVAGED 14'-0" HIGH OH DOOR AND FRAME ASSEMBLY IN MODIFIED OPENING
26. YARD/WALL HYDRANT, NON-FREEZE
27. PAINT STRUCT FRAME COLUMNS TO 14'-0" AFF, COLOR BY A/E
28. HOSE BIB
29. MTL PLATE AT TIPPING FLOOR, SEE 6/S-401, FIELD VERIFY DIMENSIONS
30. MECH UNIT ON CONC PAD, SEE S-401 FOR PAD

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NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT
8/14/11

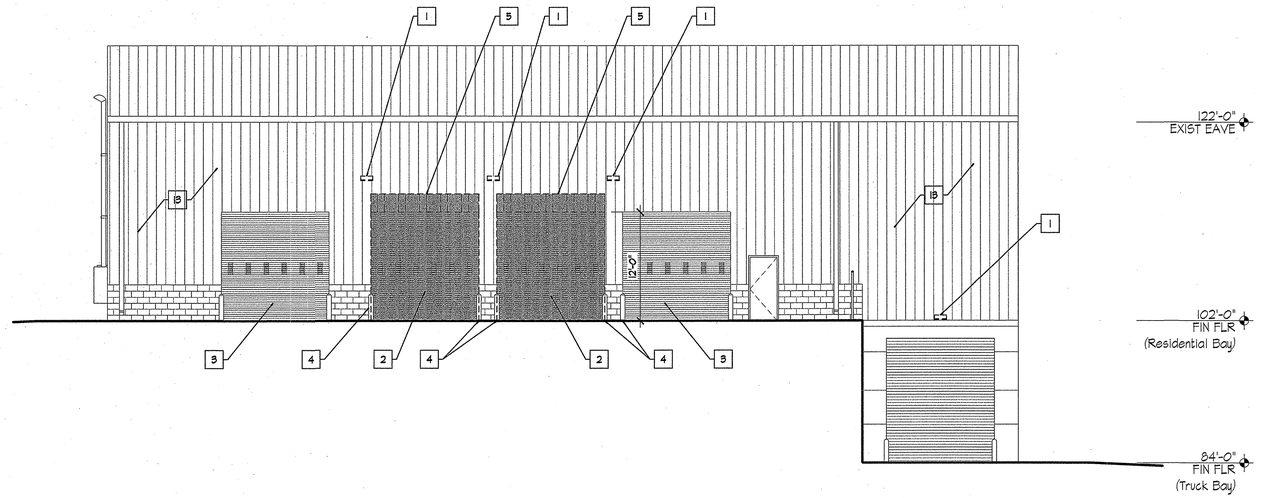
REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:		LL066-12
DESIGNED BY:		ARANDA/MCA
DRAWN BY:		ANTONIO ARANDA III
CHECKED BY:		JOHN QUINN PATE
ARCHITECT:		JOHN QUINN PATE
PROJECT DATE:		MARCH 2011

FLOOR PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

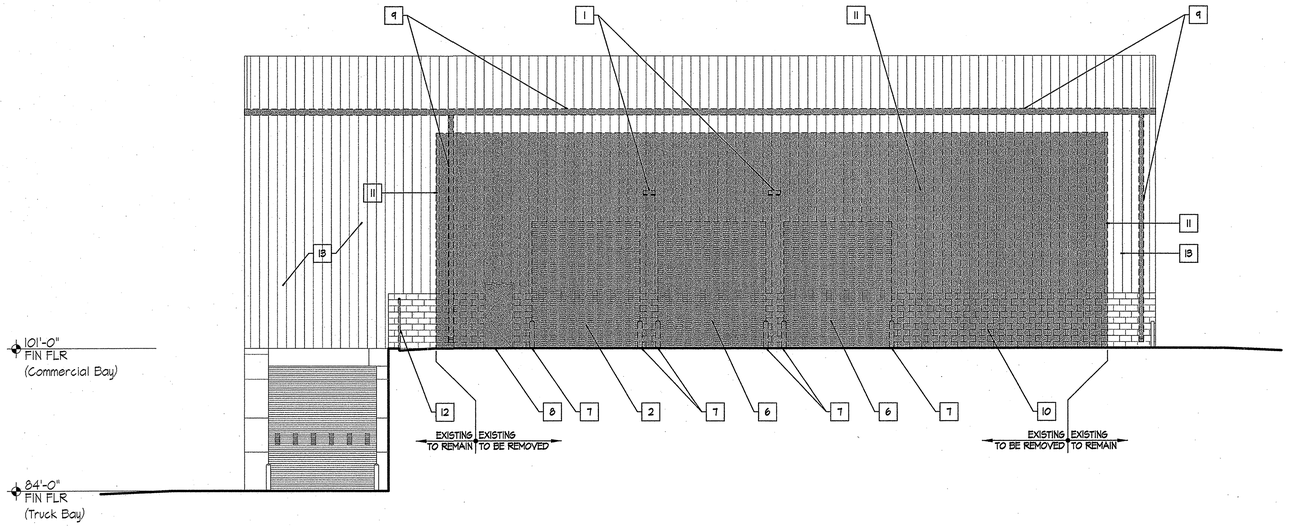
A-102
SHEET of

SEE ELEVATION SKETCH FOR LIGHTS



DEMOLITION ELEVATION: EAST

1/8" = 1'-0" (2)



DEMOLITION ELEVATION: WEST

1/8" = 1'-0" (1)

KEYED NOTES:

1. REMOVE EXST LIGHT FIXTURES AND SALVAGED TO OWNER
2. REMOVE EXST MTL COILING OH DOOR ASSEMBLY
3. EXST DOOR TO REMAIN
4. EXST BOLLARD TO REMAIN
5. MODIFY EXST MTL WALL PANEL SYSTEM OPENING TO ACCOMMODATE RELOCATED 14' HIGH MTL COILING OH DOOR
6. SALVAGE EXST 14' HIGH MTL COILING OH DOOR ASSEMBLY AND REINSTALL ON EAST ELEVATION, SEE A/203
7. REMOVE EXST BOLLARD
8. REMOVE EXST PERSONNEL DOOR AND FRAME
9. REMOVE EXST GUTTER & DOWNSPOUTS
10. REMOVE EXST CMU WALL
11. MODIFY EXIST MTL WALL PANEL AND FRAMING TO ACCOMMODATE NEW CONSTRUCTION, REMOVE/SALVAGE PANELS TO REPLACE PANELS WHERE EXTERIOR LIGHT FIXTURES HAVE BEEN REMOVED
12. REMOVE EXIST CHAIN LINK FENCE
13. EXIST MTL WALL PANEL SYS TO REMAIN

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STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT
9/14/11

REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: LL066-12
DESIGNED BY: ARANDA/MCA
DRAWN BY: ANTONIO ARANDA III
CHECKED BY: JOHN QUINN PATE
ARCHITECT: JOHN QUINN PATE
PROJECT DATE: MARCH 2011

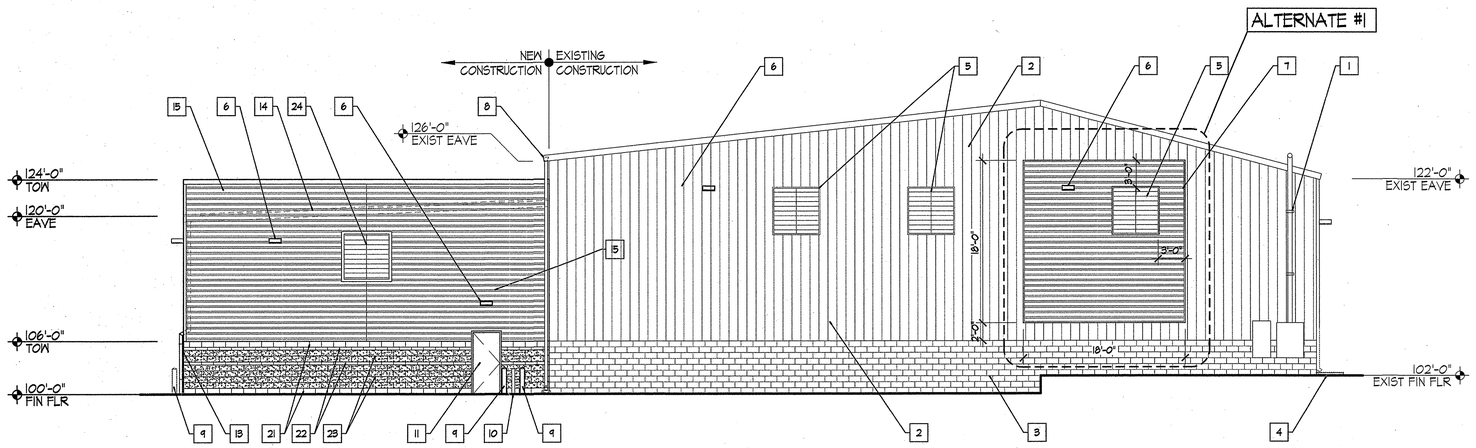
EXTERIOR ELEVATIONS
DEMOLITION

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

A-201
SHEET of

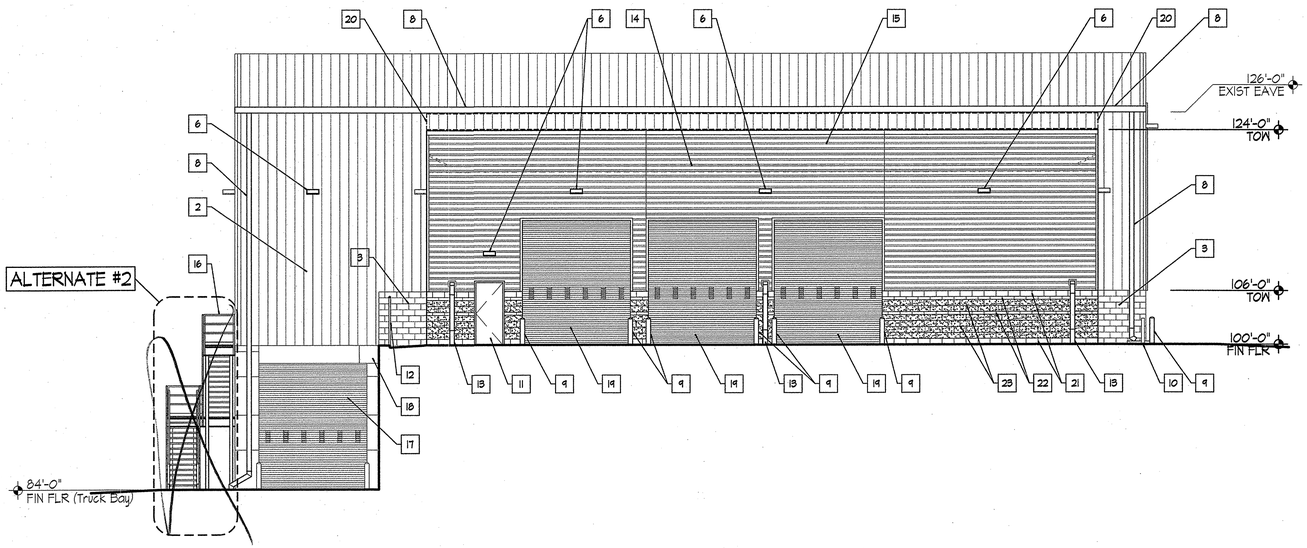
ALL-201 8/2/11 1:1

SEE ~~R2~~ ELEVATION SKETCH FOR LIGHTS ON A201



EXTERIOR ELEVATION: SOUTH

1/8" = 1'-0" (2)



EXTERIOR ELEVATION: WEST

1/8" = 1'-0" (1)

KEYED NOTES:

1. EXIST OH ELECT SERVICE AND PANEL, SEE ELEC DWGS
2. EXIST MTL WALL PANEL
3. EXIST FRT HT SPLIT FACE CMU WALL
4. CONC SPLASH BLOCK
5. EXIST LOUVERS
6. EXTR WALL MOUNT LIGHT FIXTURE, SEE SCHEDULE ON E-601
7. ALT #1 - HORIZ MTL WALL PANEL W/TRIM, SEE S/S-401
8. REPLACEMENT GUTTER, TRIM, AND DOWNSPOUTS TO MATCH EXIST BLDG
9. CONC FILLED BOLLARD, SEE CIVIL DWGS
10. EXIST WELL PUMP SYS
11. HM DOOR AND FRAME, PAINT, TYP
12. CHAIN-LINK FENCE
13. MTL DOWNSPOUT, PAINT, TYP
14. ROOF LINE, 1/2:12 SLOPE PER MANUFACTURERS SPECIFICATIONS
15. BLDG ADDITION HORIZ MTL WALL PANEL SYSTEM AS SPEC'D
16. ALT #2 - MTL STAIRS, SEE S-102
17. EXIST COILING OH DOOR
18. ~~REPLACE OH DOOR OPERATOR W/SALVAGED OPERATOR, SEE KEYED NOTE 23 A101~~ RE-INSTALLED BEARING
19. MTL COILING OH DOOR AS SPEC'D
20. EXIST MTL PANEL, MODIFIED TO ACCOMMODATE NEW CONSTRUCTION
21. 8" HIGH SMOOTH FACE INTEGRAL COLOR CMU BLOCK
22. 4" HIGH SMOOTH FACE INTEGRAL COLOR CMU BLOCK
23. 8" HIGH SPLIT FACE INTEGRAL COLOR CMU BLOCK
24. SUPPLY FAN, SEE M-101

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STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT
8/14/11

REV NO	REV DATE	DESCRIPTION
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DESIGNED BY:		ARANDA/MCA
DRAWN BY:		ANTONIO ARANDA III
CHECKED BY:		JOHN QUINN PATE
ARCHITECT:		JOHN QUINN PATE
PROJECT DATE:		MARCH 2011

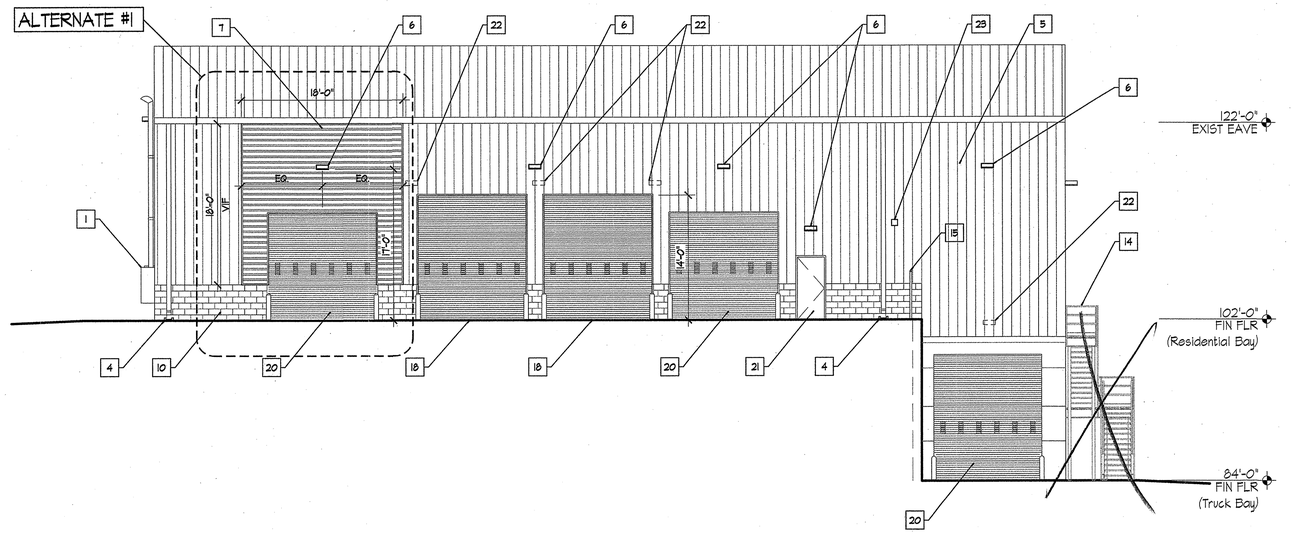
EXTERIOR ELEVATIONS

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

A-202
SHEET of

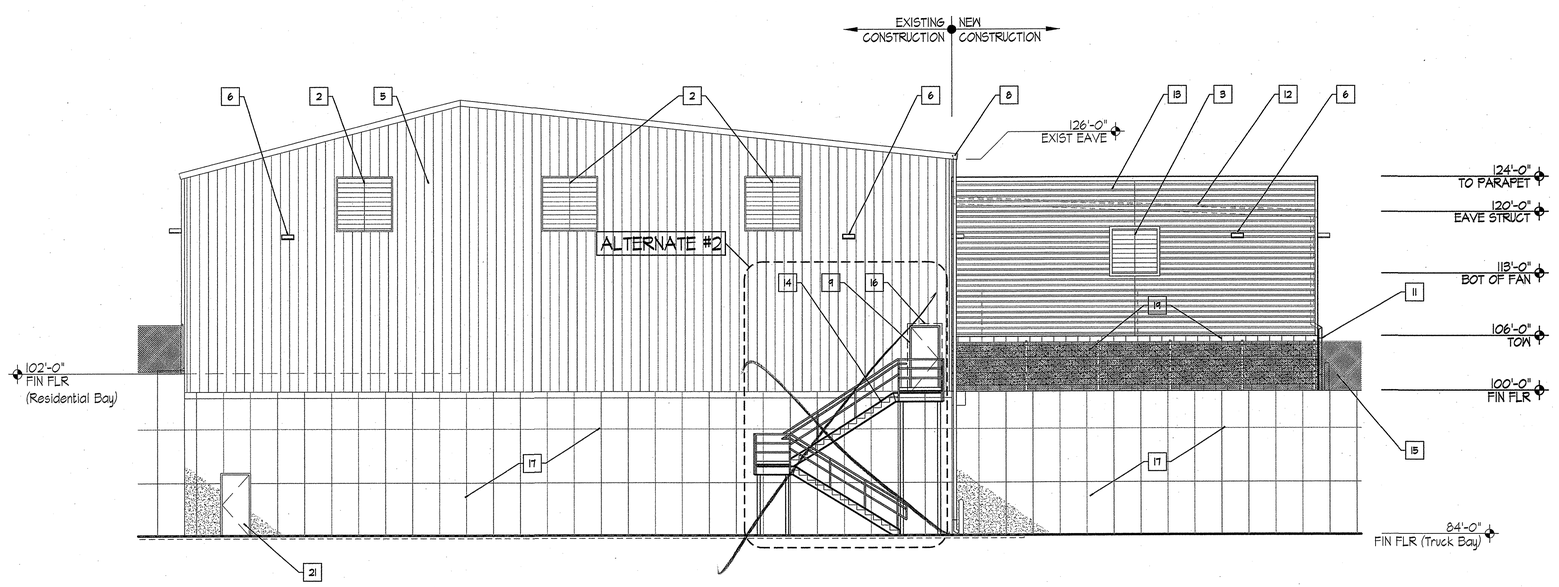
ALL-202 8/3/11 1:1

SEE ELEVATION SKETCH FOR LIGHTS ON A201



EXTERIOR ELEVATION: EAST

1/8" = 1'-0" 4



EXTERIOR ELEVATION: NORTH

1/8" = 1'-0" 3

KEYED NOTES:

1. EXST OH ELECT SERVICE AND PANEL, SEE E-601
2. EXST FAN
3. EXHAUST FAN, SEE M-601
4. CONC SPLASH BLOCK
5. EXST MTL WALL PANEL
6. EXTR WALL MOUNT LIGHT FIXTURE, SEE E-601
7. ALT #1 - HORIZ MTL WALL PANEL W/TRIM, SEE 5/S-401
8. REPLACEMENT GUTTER, TRIM, AND DOWNSPOUTS TO MATCH EXIST BLDG
9. ALT #2 - HM DOOR AND FRAME, PAINT, TYP
10. EXIST FRT HT SPLIT FACE CMU WALL
11. MTL DOWNSPOUT, PAINT, TYP
12. ROOF LINE, 1/2:12 SLOPE PER MANUFACTURERS SPECIFICATIONS
13. BLDG ADDITION HORIZ MTL WALL PANEL SYSTEM, COLOR BY A/E
14. ALT #2 - MTL STAIRS, SEE S-102
15. CHAIN LINK FENCE
16. ALT #2 - MODIFY EXIST MTL PANEL FOR DOOR & FRAME
17. EXST RETAINING WALL
18. SALVAGED 14' MTL OH COILING DOOR, FRAME & ELECT OPERATOR RELOCATED FROM WEST ELEVATION (COMMERCIAL BAY)
19. PRT HT CMU WALL, SEE A-201 FOR CMU BLOCK PATTERN
20. EXST OH DOOR ASSEMBLY
21. EXST PERSONNEL DOOR
22. REPLACE PANELS AT EXST REMOVED LIGHT FIXTURES
23. EXHAUST FAN WALL CAP

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STATE OF NEW MEXICO
JOHN QUINN PATE
NO. 1784
REGISTERED ARCHITECT
8/4/11

REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: LL086-12
DESIGNED BY: ARANDA/MCA
DRAWN BY: ANTONIO ARANDA III
CHECKED BY: JOHN QUINN PATE
ARCHITECT: JOHN QUINN PATE
PROJECT DATE: MARCH 2011

EXTERIOR ELEVATIONS

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

A-203
SHEET of

ALL-203 8/2/11 1:1

MECHANICAL/PLUMBING SYMBOL LEGEND

(ALL SYMBOLS MAY NOT BE USED)

SYMBOL	DESCRIPTION
——— – ———	DOMESTIC COLD WATER PIPE
——— – – ———	DOMESTIC HOT WATER PIPE
——— – – – ———	DOMESTIC HOT WATER RETURN PIPE
——— G ———	NATURAL GAS PIPE
— — — — —	SANITARY VENT PIPE
———————	SANITARY PIPE
(DD)	DUCT SMOKE DETECTOR
(C)	RELAY COIL
(T)	THERMOSTAT
(T$_S$)	TEMPERATURE SENSOR
(1)	KEYED NOTE DESIGNATION
	EXHAUST FAN
	SUPPLY DIFFUSER
	RETURN GRILL
(H)	ELECTRIC THERMOSTAT
	UNION
	BALANCING OR PLUG COCK
	RISE IN PIPING
	DROP IN PIPING
	VALVE IN RISE OR DROP
D-X 000/000 CFM	DIFFUSER SYMBOL COOLING/HEATING AIRFLOW

SYMBOL	DESCRIPTION
	BALL VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	GATE VALVE
	DRAIN VALVE
	MANUAL AIR VENT.
	GRISWOLD FLOW CONTROL VALVE
	TWO-WAY CONTROL VALVE
	PNEUMATIC BYPASS VALVE
	TRIPLE DUTY VALVE
	CHECK VALVE
	GAUGE COCK
	BALANCING VALVE
	GAS COCK
	GAS PRESSURE REGULATOR
	GAS SOLENOID VALVE W/HI-LO FIRE
	RELIEF VALVE
	PETE'S PLUG
	THERMOMETER W/WELL
	PADDLE TYPE FLOW SWITCH
FS	DIFFERENTIAL PRESSURE FLOW SWITCH
DP	DIFFERENTIAL PRESSURE SENSOR
	PRESSURE GAUGE
	SENSOR WELL
	FLEXIBLE CONNECTOR
	STRAINER
	MALE HOSE CONNECTOR
	PIPING REDUCER
	PIPE ANCHOR
	PIPE GUIDE
	PIPE EXPANSION LOOP
	EXPANSION JOINT
	UNION
	FLOW ARROW
	TEE CONNECTION
	NEW TO EXISTING CONNECTION

ABBREVIATIONS

AC	AIR CONDITIONER
A.F.F.	ABOVE FINISHED FLOOR
BD	BALANCING DAMPER
BFP	BACK FLOW PREVENTER
CFM	CUBIC FEET PER MIN
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CW	COLD WATER
DCO	DOUBLE CLEANOUT
DF	DRINKING FOUNTAIN
D-1	DIFFUSER TYPE
ESP	EXT STATIC PRESS
EX	EXHAUST GRILL
EXT, EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
FPH	FREEZE PROOF HYDRANT
FHB	FREEZE PROOF HOSE BIBB
F-1	FURNACE TYPE
GPM	GALLONS PER MIN
HB	HOSE BIBB
HW	HOT WATER
LAV	LAVATORY
NO.	NUMBER
OSA	OUTSIDE AIR
PSI	POUNDS PER SQ IN
RG	RETURN GRILL
RM	ROOM
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
WC	WATER CLOSET
WH	WATER HEATER

Project General Notes

A. ALL WORK SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE 2009 UPC, 2009 UMC, NFPA AND ALL LOCAL CODES AND ORDINANCES.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAY OUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING ALL COORDINATION WITH NEW AND EXISTING SERVICES MECHANICAL EQUIPMENT, DUCTWORK AND ELECTRICAL EQUIPMENT.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF OUTAGES WITH BOTH THE OWNER AND UTILITY COMPANIES, FOR UTILITY CONNECTIONS.

D. CONTRACTOR SHALL VERIFY INVERTS BEFORE ROUTING ANY PIPING.

E. WASTE PIPING SHALL BE PVC OR CAST IRON. VENT PIPING MAY BE PVC PIPE OR CAST IRON ABOVE AND BELOW FLOOR, PER UPC LIMITATIONS, AND CITY CODES.

F. ALL WATER PIPING SHALL BE TYPE M COPPER ABOVE FLOOR. PIPING BELOW FLOOR SHALL BE TYPE L SOFT COPPER OR CROSS LINKED POLYETHYLENE TUBING MEETING ASTM F87-99a.

G. NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL ABOVE GRADE AND SHALL BE EITHER PROTECTED SCH 40 BLACK STEEL WRAPPED OR SDR-11 POLYETHENE BELOW GRADE.

H. SEE EQUIPMENT SCHEDULE FOR EQUIPMENT TYPES AND SIZES. MINIMUM BURY DEPTH FOR WATER IS 4' AND 2' FOR GAS.

I. ROUTE PIPING AS NEARLY AS POSSIBLE TO ROUTES INDICATED ON PLANS. CONTRACTOR IS FREE TO MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE CONDITIONS.

J. CONTRACTOR RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS MINOR RELOCATIONS, AND ALL ASSOCIATED FITTINGS

K. CONTRACTOR SHALL INSTALL A COMPLETE OPERATING SYSTEM, INCLUDING REFRIGERANT PIPING, EQUIPMENT, CONTROLS, AND CONDENSATE DRAIN TO APPROVED INDIRECT WASTE.

L. ANY LINES ENCOUNTERED WHICH MAY INTERFERE WITH NEW CONSTRUCTION SHALL BE RELOCATED IF ACTIVE AND REMOVED IF INACTIVE,

M. ALL WATER PIPING SHALL BE LOCATED ON BUILDING INTERIOR SIDE OF INSULATION.

N. ALL HW/CW, P-TRAPS AT HANDICAPPED LAVATORIES SHALL BE INSULATED.

O. CONTRACTOR SHALL PROVIDE 12" RISERS, CAPPED AT EACH FIXTURE FOR SHOCK ABSORPTION OR A SHOCK ABSORBER UNIT FOR THE SYSTEM.

P. PROVIDE WALL CLEAN OUTS AND SHUT OFF VALVES AT ALL SINKS AND WALL MOUNTED URINALS.

Q. PROVIDE ESCUTCHEONS AT ALL PIPE PENETRATIONS OF WALLS AND FLOORS.

R. PROVIDE SHUT-OFF VALVES AT PLUMBING RISES.

S. PROVIDE GAS COCKS AND FLEXIBLE CONNECTIONS AT EACH GAS OUTLET OR APPLIANCE.

T. MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

U. SANITARY VENT TERMINATIONS SHALL BE A MINIMUM DISTANCE OF 10' HORIZONTALLY OR 3' ABOVE ANY BUILDING OPENING OR AIR INTAKE.

V. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA STANDARDS, AND UMC STANDARDS.

W. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND ARCHITECTURAL TO DETERMINE FINAL DIFFUSERS LOCATIONS.

X. INSULATE SUPPLY DUCTWORK PER TABLE THIS SHEET. WITH FOIL FACED EXTERNAL DUCT WRAP. PROVIDE ALUMINUM ROLL JACKETING MEETING ASTM B-206, H-14 TEMPER, .016" THICKNESS FOR EXTERNAL DUCT.

Y. DUCT DIMENSIONS ARE CLEAR INSIDE.

Z. INSTALL TURNING VANES IN RECTANGULAR ELBOWS.

AA. ALL REGISTERS AND DIFFUSERS SHALL HAVE DAMPERS OR EXTRACTORS FOR AIR BALANCING.

BB. INSTALL SPLITTERS AT BRANCH CONNECTIONS.

CC. CONTRACTOR SHALL HAVE INDEPENDENT TEST AND BALANCE CONTRACTOR BALANCE AIR FLOWS PER DRAWINGS AND ADJUST ALL TEMPERATURE AND CONTROL DEVICES. MECHANICAL CONTRACTOR SHALL TEST RUN SYSTEM FOR A PERIOD OF 8 HRS., VERIFIED BY GENERAL CONTRACTOR, BEFORE GIVING NOTICE OF COMPLETION OF WORK.

DD. CONTRACTOR SHALL PROVIDE ACCESS PANELS OF APPROPRIATE SIZE FOR ALL INACCESSIBLE REMOTE EQUIPMENT.

EE. CONTRACTOR SHALL NOT MODIFY ANY STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, TRUSSES, ETC.

FF. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAINS.

GG. ALL PIPING AND DUCTWORK THAT PENETRATES A FIRE RATED WALL SHALL BE SEALED WITH APPROVED FIRE STOPPING TO RESTORE THE FIRE RATING AND MAKE WEATHER TIGHT AS REQUIRED.

MINIMUM DUCT INSULATION

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE, SECTION 803.2.8

DUCT AND PLENUM INSULATION AND SEALING:
ALL SUPPLY AND RETURN DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUN OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUN OF R-8 INSULATION.

EXCEPTIONS:
1. WHEN LOCATED WITHIN EQUIPMENT.
2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C).

MINIMUM PIPE INSULATION[a]

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE, SECTION 803.2.8

FLUID	NOMINAL PIPE DIAMETER ≤ 1.5"	NOMINAL PIPE DIAMETER > 1.5"
Steam	1.5	3.0
Hot Water	1.0	2.0
Chilled water, brine, or Refrigerant	1.0	1.5

a. Based on insulation having a conductivity (k) not exceeding 0.27 Btu per inch/hr ft2 °F

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505.332.7802
ABQ Project 11-018

DAVID D. KINNEY
NEW MEXICO
6520
REGISTERED PROFESSIONAL ENGINEER
11/2/11

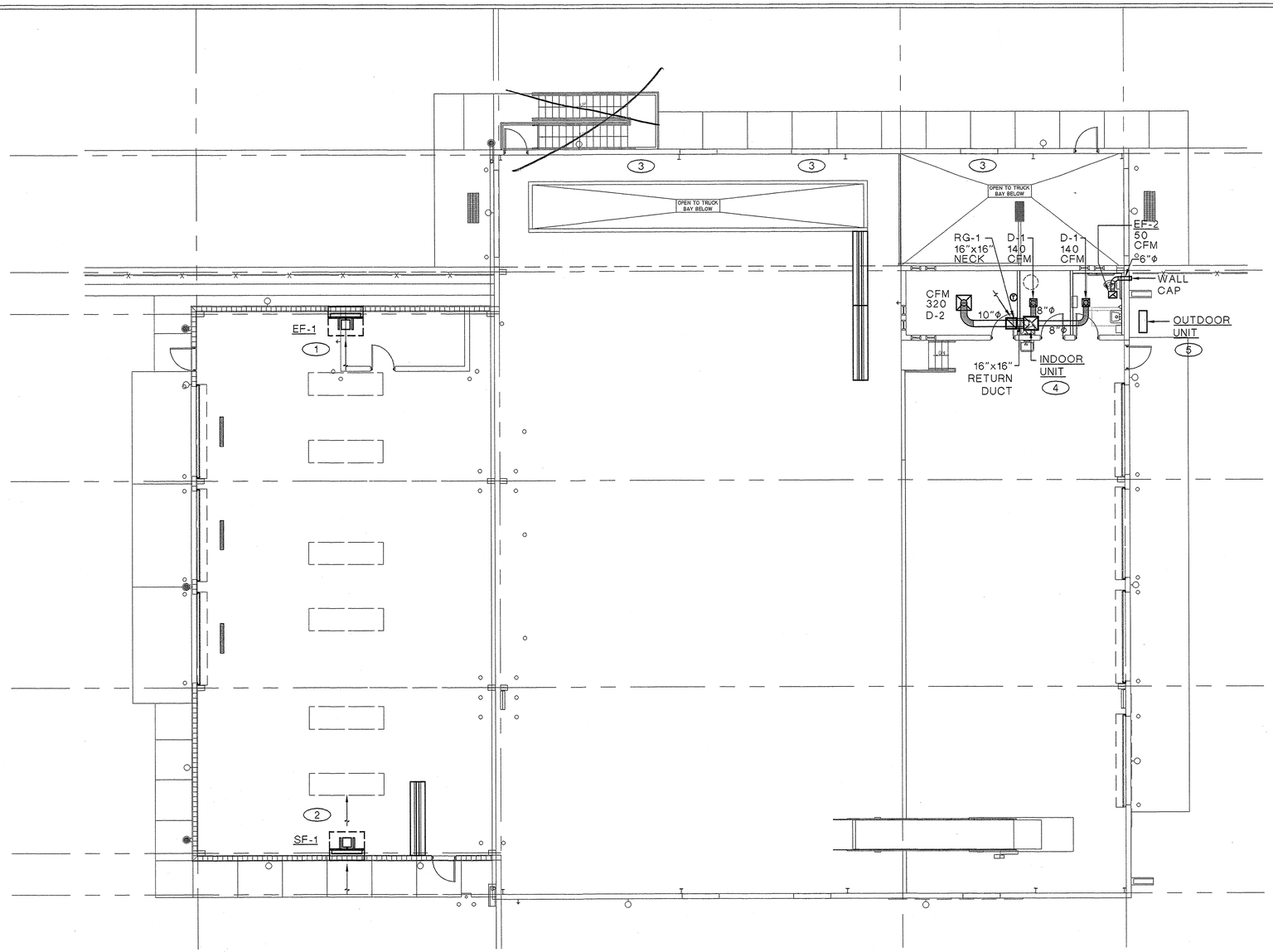
REV NO	REV DATE	DESCRIPTION
		PROJECT NUMBER: LL066-12
		DESIGNED BY: RGB
		DRAWN BY: HDG
		CHECKED BY: RGB
		4 5
		PROJECT DATE: MARCH 2011

LEGEND AND PROJECT GENERAL NOTES

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

M-001
SHEET

LEGEND NOTES/1/11 1:1



MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

General Notes

A. FOR LEGEND AND GENERAL NOTES SEE SHEET M-001.

B. FOR EQUIPMENT SEE SCHEDULE ON SHEET M-601 AND THIS SHEET.

C. FOR DIMENSIONS SEE THE ARCHITECTURAL DRAWINGS.

Keyed Notes

1. NEW WALL MOUNTED EXHAUST FAN WITH MOTORIZED BACKFLOW DAMPER, DAMPER GUARD, WALL COLLAR AND MOTOR SIDE FAN GUARD. BACKFLOW DAMPER SHALL BE INTERLOCKED WITH FAN. ALL SUPPLIED FROM FAN MANUFACTURER. SEE A-203 FOR MOUNTING HEIGHT.

2. NEW WALL MOUNTED SUPPLY FAN WITH MOTORIZED BACKFLOW DAMPER, DAMPER GUARD, WALL COLLAR AND MOTOR SIDE FAN GUARD. BACKFLOW DAMPER SHALL BE INTERLOCKED WITH SUPPLY FAN AND SUPPLY FAN INTERLOCKED WITH NEW EXHAUST FAN. ALL SUPPLIED FROM FAN MANUFACTURER. SEE A-202 FOR MOUNTING HEIGHT.

3. EXISTING EXHAUST FAN TO REMAIN. CONTRACTOR SHALL INSPECT FAN AND MOTORIZED SHUTTER, SERVICE AND CLEAN TO ENSURE FAN AND SHUTTER ARE IN FIRST CLASS WORKING ORDER.

4. INDOOR UNIT ABOVE CEILING, RETURN INTO BOTTOM OF UNIT, 3/4" CONDENSATE DRAIN SPILL INTO MS, ALL PIPING TO BE INSULATED.

5. OUTDOOR UNIT MOUNTED ON PRECAST CONCRETE PAD AT GRADE.

Mechanical Equipment

EF-1 WALL MOUNTED EXHAUST FAN; 24,200 CFM @ 0.25" SP, 860 RPM, 3 HP, 208V, 3P, 60HZ. WITH THERMAL OVERLOADS INSTALLED IN MOTOR AND ONE-POINT DISCONNECT FOR FAN AND DAMPER. EXHAUST DAMPER WD-320 WITH 208V MOTOR PACK.FAN BASED ON GREENHECK MODEL S2-48-415-C30.

SF-1 WALL MOUNTED SUPPLY FAN; 24,200 CFM @0.25" SP, 860 RPM, 3 HP, 208V, 3P, 60HZ. FOR FAN AND DAMPER SUPPLY BACKDRAFT DAMPER WD-320 WITH 208V MOTOR PACK. FAN BASED ON GREENHECK MODEL S2-48-415-C30.

EF-2 CEILING MOUNTED EXHAUST FAN; 50 CFM, 0.1233" ESP, 0.5 AMPS, 120V-1P-60H; GALVANIZED STEEL HOUSING; DIRECT DRIVE; ACOUSTIC INSULATION;SPRING LOADED ALUMINUM BACKDRAFT DAMPER; INTAKE GRILLE; MODEL WC-6 HOODED WALL CAP. FAN BASED ON GREENHECK MODEL SP-A50.

SPLIT SYSTEM HEATING AND COOLING; CONTINUOUS OPERATION; 0°-115° HEATING AND 23°-115° COOLING; BASED ON DAIKIN INVERTER DUCTED SYSTEM.
INDOOR UNIT: MODEL NO FTQ18PAVJU; 18,000 BTU COOLING; 20,000 BTU HEATING; 600 CFM; 3/4 HP MOTOR; 0.125" ESP; 208V-1P-60H; DIRECT DRIVE; OPTIONAL FILTER RACK WITH FILTER.
OUTDOOR UNIT: MODEL NO. RZQ18PAVJU9; 208V-1P-60H.

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NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

ABQ Engineering
Engineers Planners Construction Services
6200 Academy Rd. NE, Suite 100, Albuquerque, NM 87109
505.293.7892
ABQ Project 11-018

DAVID D. KINNEY — NEW MEXICO 8520 — REGISTERED PROFESSIONAL ENGINEER — 11/2/11

REV NO	REV DATE	DESCRIPTION

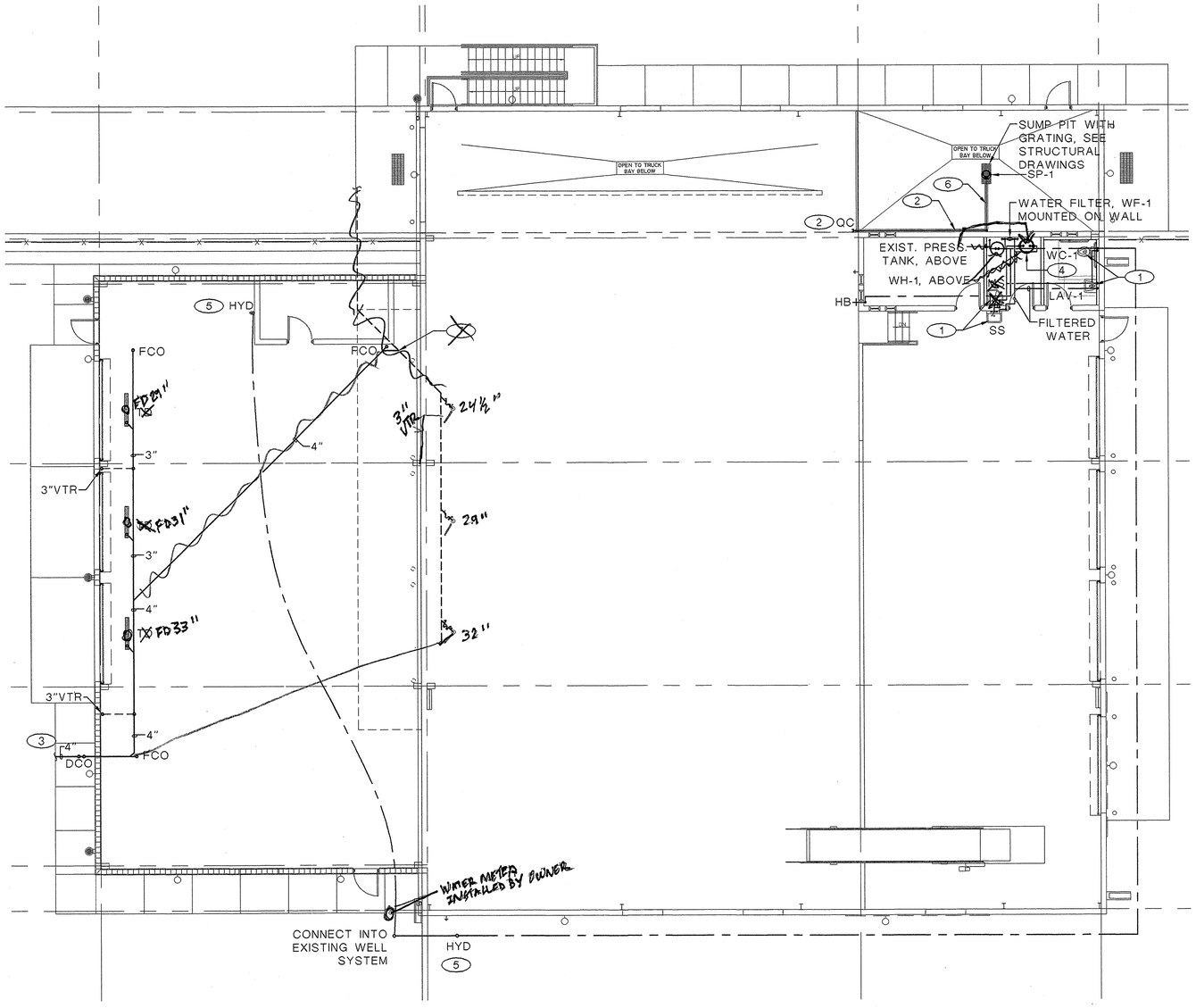
PROJECT NUMBER: LL066-12
DESIGNED BY: RGB
DRAWN BY: HDG
CHECKED BY: RGB
PROJ_ARCH/ENG: 5
PROJECT DATE: MARCH 2011

MECHANICAL FLOOR PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

M-101
SHEET

HVAC 8/2/11 1:1



PLUMBING - FLOOR PLAN

SCALE: 1/8" = 1'-0"

General Notes

A. FOR LEGEND AND GENERAL NOTES SEE SHEET M-001.

B. FOR EQUIPMENT SEE SCHEDULE ON SHEET M-601.

C. SEE ARCHITECTURAL DRAWING FOR DIMENSIONS.

Keyed Notes

1. REPLACE EXISTING FIXTURES WITH NEW AND RECONNECT TO EXISTING SANITARY AND VENT PIPING.
2. 2" QUICK CONNECT FOR "QC" UTILITY HOSE KIT. RUN 2" SCH. 80 PVC ON FACE OF WALL AND DISCHARGE AT LOCATION SHOWN.
3. 4" DRAIN LINE TO POND, SEE CIVIL DRAWINGS.
4. PROVIDE WATER HEATER DRAIN PAN UNDER WATER HEATER.
5. PROVIDE YARD HYDRANT AT LOCATION SHOWN. WATER LINE IS EXISTING BELOW GRADE. COORDINATE EXACT LOCATION WITH FACILITY PERSONNEL.
6. SEE STRUCTURAL FOR TRENCH.
7. INTERCEPT EXISTING WASTE LINE.

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ABQ Project: 11-018

DAVID D. KENNEY NEW MEXICO 8520 REGISTERED PROFESSIONAL ENGINEER
8/2/11

REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:		LL066-12
DESIGNED BY:		RGB
DRAWN BY:		HDG
CHECKED BY:		RGB
PROJ_ARCH/ENG:		
PROJECT DATE:		MARCH 2011

PLUMBING
FLOOR PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

M-102
SHEET

PLUMBING 8/2/11 1:1

SYMBOLS LEGEND

(ALL SYMBOLS MAY NOT BE USED)

SYMBOL	DESCRIPTION
	EXISTING CONDUIT OR CABLE
	NEW CONDUIT OR CABLE
	BURIED CONDUIT
	HOMERUN CONDUIT
	CONDUIT CAP
G	GROUNDING CONDUCTOR
J	JUNCTION BOX
J	WALL JUNCTION BOX
	DRYER OUTLET, 30A-2P
3	DUPLEX RECEPTACLE OUTLET 3 - DENOTES CIRCUIT NUMBER
	HALF-SWITCHED OR SPLIT-WIRED RECEPTACLE
	RECEPTACLE AS NOTED ON DRAWINGS
	DOUBLE DUPLEX RECEPTACLE OUTLET
GFCI WP	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET WITH WEATHERPROOF COVER
	FLOOR RECEPTACLE OR AS NOTED ON DRAWING
$a	SINGLE POLE SWITCH - USE SUBSCRIPT TO DESIGNATE CONTROL OF PARTICULAR DEVICE
$D	DIMMER WALL SWITCH
$2	DOUBLE POLE SWITCH (DPST)
$3	THREE-WAY SWITCH
$4	FOUR-WAY SWITCH
$WP	WEATHERPROOF SWITCH
PEC	PHOTO ELECTRIC CELL
$M	TOGGLE, 1P, MANUAL MOTOR STARTER W/THERMAL O.L. RELAY SIZED FOR 115% OF MOTOR RUNNING AMPS IN NEMA 1 ENCLOSURE EQUAL TO SQ'D' CLASS 2510, #FG1
$2M	TOGGLE, 2P, MANUAL MOTOR STARTER W/THERMAL O.L. RELAY SIZED FOR 115% OF MOTOR RUNNING AMPS IN NEMA 1 ENCLOSURE EQUAL TO SQ'D' CLASS 2510, #FG2
ANL	EMERGENCY LIGHTING/NIGHT LIGHT A = FIXTURE TYPE NL = NIGHT LIGHT
Aa	2x2 OR 2x4 LAY-IN CEILING FLUORESCENT LIGHT FIXTURE A=FIXTURE TYPE a=SWITCH CONTROLLING FIXTURE
Ab	2x2 OR 2x4 SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE A=FIXTURE TYPE b=SWITCH CONTROLLING FIXTURE
	WALL MOUNTED FLUORESCENT FIXTURE
	UNDER COUNTER OR CEILING FLUORESCENT STRIP LIGHT, SIZE & TYPE AS NOTED
	2x2 OR 2x4 RECESSED MOUNTED H.I.D. OR INCANDESCENT FIXTURE

SYMBOL	DESCRIPTION
	RECESSED MOUNTED H.I.D. OR INCANDESCENT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
OR	LIGHT POLE WITH FIXTURE
OR	EXIT SIGN
WALL OR CEILING	EMERGENCY LIGHTING
	EMS (EMERGENCY/EXIT LIGHTING)
V	FIRE ALARM HORN & ADA STROBE, MOUNT @ 80" A.F.F.
H	HEAT DETECTOR
S	CEILING SPEAKER
S	WALL SPEAKER
400AF / 300AT 3P	CIRCUIT BREAKER (FRAME / TRIP)
	FUSE
	FUSIBLE ELEMENT
	FUSIBLE DISCONNECT SWITCH
	GROUND
	NORMALLY CLOSED CONTACT
	NORMALLY OPEN CONTACT
	CONNECTION
T	THERMOSTAT
1	KEYED NOTE DESIGNATION
V	FIRE ALARM ADA STROBE MOUNT @ 80" A.F.F.
K	SECURITY SYSTEM KEY PAD
	FLUSH MOUNTED VOICE OUTLET, 4" SQUARE BOX WITH SINGLE GANG BLANK FACE PLATE. INSTALL MINIMUM 3/4" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL BOARD.
	FLUSH MOUNTED DATA OUTLET, 4" SQUARE BOX WITH SINGLE GANG BLANK FACE PLATE. INSTALL MINIMUM 3/4" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL BOARD.
TC	TIME CLOCK
C	RELAY COIL
T	TRANSFORMER
	DISCONNECT SWITCH AS NOTED ON DRAWING
	PANEL BOARD AS NOTED ON DRAWING
M	SERVICE METER & DISCONNECT(S)

SYMBOL	DESCRIPTION
I	IONIZATION SMOKE DETECTOR
T	THERMAL DETECTOR
DD	DUCT SMOKE DETECTOR (PHOTOELECTRIC)
FACP	FIRE ALARM CONTROL PANEL
S	RECESSED CEILING MOUNTED PUBLIC ADDRESS SPEAKER
M	RECESSED FLOOR MOUNTED MICROPHONE JACK-CANNON TYPE
M	WALL MOUNTED MICROPHONE JACK - CANNON TYPE
S	BRACKET MOUNTED PUBLIC ADDRESS SPEAKER, MOUNT ON ROOF
	PUSH BUTTON
B	DOOR BELL
M	METER
M	MOTOR

ABBREVIATIONS

+ 42"	DEVICE MOUNTING HEIGHT ABOVE FINISHED FLOOR
A, AMPS	AMPERES
AFCI	ARC FAULT CIRCUIT INTERRUPTER
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
C	CONDUIT
C.O.	CONDUIT ONLY
CCT, CKT	CIRCUIT
EMT	ELECTRICAL METALLIC TUBING
EX, EXIST	EXISTING
EM	EMERGENCY LIGHTING
GFI	GROUND FAULT INTERRUPTER
GND, G	GROUND
GDO	GARAGE DOOR OPENER
GRS	GALVANIZED RIGID STEEL CONDUIT
HR	HOMERUN
MLO	MAIN LUGS ONLY
MCB	MAIN CIRCUIT BREAKER
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
MDP	MAIN DISTRIBUTION PANEL
MCB	MAIN CIRCUIT BREAKER
NO.	NUMBER
O/C	OVERCURRENT
PEC	PHOTO ELECTRICAL CEL
PNL	PANELBOARD
RECPT, REC(S)	RECEPTACLE(S)
RM.	ROOM
TBB	TELEPHONE BACK BOARD
TYP.	TYPICAL
UC	UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF PER NEC 2002 406.8
XFMR	TRANSFORMER
NL	NIGHT LIGHT

General Notes

(APPLICABLE TO ALL ELECTRICAL SHEETS)

A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE PLANS AND ASSOCIATED NOTES, 2008 NATIONAL ELECTRICAL CODE, 2008 NEW MEXICO STATE ELECTRICAL CODE AND LOCAL CODES, UTILITY AUTHORITY STANDARDS, AND IN A WORKMAN LIKE MANNER.

B. THE ELECTRICAL CONTRACTOR SHALL MAKE REQUIRED CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.

C. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID THE COSTS OF ALL PERMITS, TESTS AND INSPECTIONS, AND VISIT THE SITE OF WORK PRIOR TO SUBMITTING BID.

D. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES AND REFER TO ARCHITECTURAL, MECHANICAL AND STRUCTURAL PLANS TO DETERMINE THE EXACT LOCATION OF EQUIPMENT.

E. A SET OF MARKED UP PRINTS SHALL BE PREPARED SHOWING ALL CHANGES MADE DURING CONSTRUCTION AND TURNED OVER TO THE ENGINEER AT THE END OF THE JOB. ALL CHANGES MUST HAVE THE ENGINEER'S APPROVAL.

F. ANY DISCREPANCY BETWEEN MATERIAL DESCRIPTION AND CATALOG NUMBER SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.

G. THE CONTRACTOR SHALL FOLLOW SPECIFICATIONS FOR ALL SUBSTITUTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSTITUTIONS.

H. ALL CONDUCTORS SHALL BE #12 SOLID COPPER, TYPE THW OR EQUIVALENT, UNLESS OTHERWISE NOTED. 120V BRANCH CIRCUIT RUNS WHICH EXCEED ONE HUNDRED FEET IN LENGTH SHALL BE #10 THW OR EQUIVALENT.

I. THE SAME COLOR CODING SHALL BE MAINTAINED THROUGHOUT ALL CIRCUITS.

J. ALL REQUIRED CONDUITS SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER. CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES.

K. ALL PULL BOXES AND JUNCTION BOXES SHALL BE CODE GA. AND MEET THE MINIMUM SIZE AS RECOMMENDED BY THE NEC.

L. RECEPTACLES AND SWITCHES SERVING MECHANICAL EQUIPMENT/MOTOR LOADS SHALL BE HORSEPOWER RATED.

M. THE ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH WALLS, CEILINGS AND FLOORS CAUSED BY THE INSTALLATION OF ELECTRICAL SYSTEMS TO RESTORE THE FIRE RATING AND MAKE WEATHER TIGHT AS REQUIRED.

N. ALL CONDUIT SHALL BE CONCEALED IN WALLS, CEILING OF FLOOR UNLESS OTHERWISE NOTED.

O. CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH GETTING POWER/TELEPHONE SERVICE TO THE SITE.

P. THESE DRAWINGS ARE NOT INTENDED TO BRING EXISTING FACILITY UP TO CURRENT CODE.

Q. CONDUCTORS IN UNDERGROUND CONDUITS MUST BE THW OR THWN (CONSIDERS WET LOCATION BY NEC).

R. MOUNT RECEPTACLES MINIMUM 15" A.F.F. MOUNT LIGHT SWITCHES 42" A.F.F. ENSURE ALL RECEPTACLES AND SWITCHES ARE ACCESSIBLE AT CASE WORK. MOUNT RECEPTACLES 10" ABOVE COUNTERS.

S. VERIFY EXACT LOCATION OF ALL ELECTRIC EQUIPMENT AND FIXTURES WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

T. CIRCUITS RUNS EXCEEDING 100 FEET IN LENGTH SHALL BE IN CREASED IN SIZE TO ASSURE A VOLTAGE DROP OF LESS THAN 3%.

U. VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING. BACKFILL, COMPACT, AND RESTORE SURFACE TO EXISTING.

V. MULTI-WIRE BRANCH CIRCUIT NOT PERMITTED.

W. NO HORIZONTAL CONDUIT RUNS ON ROOF.

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ABQ Engineering
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6720 Academy Rd. NE, Suite 140, Albuquerque, NM 87109
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ABQ Project 11-018

DAVID J. REDDING NEW MEXICO 14574 REGISTERED PROFESSIONAL ENGINEER
8/3/11

REV NO	REV DATE	DESCRIPTION

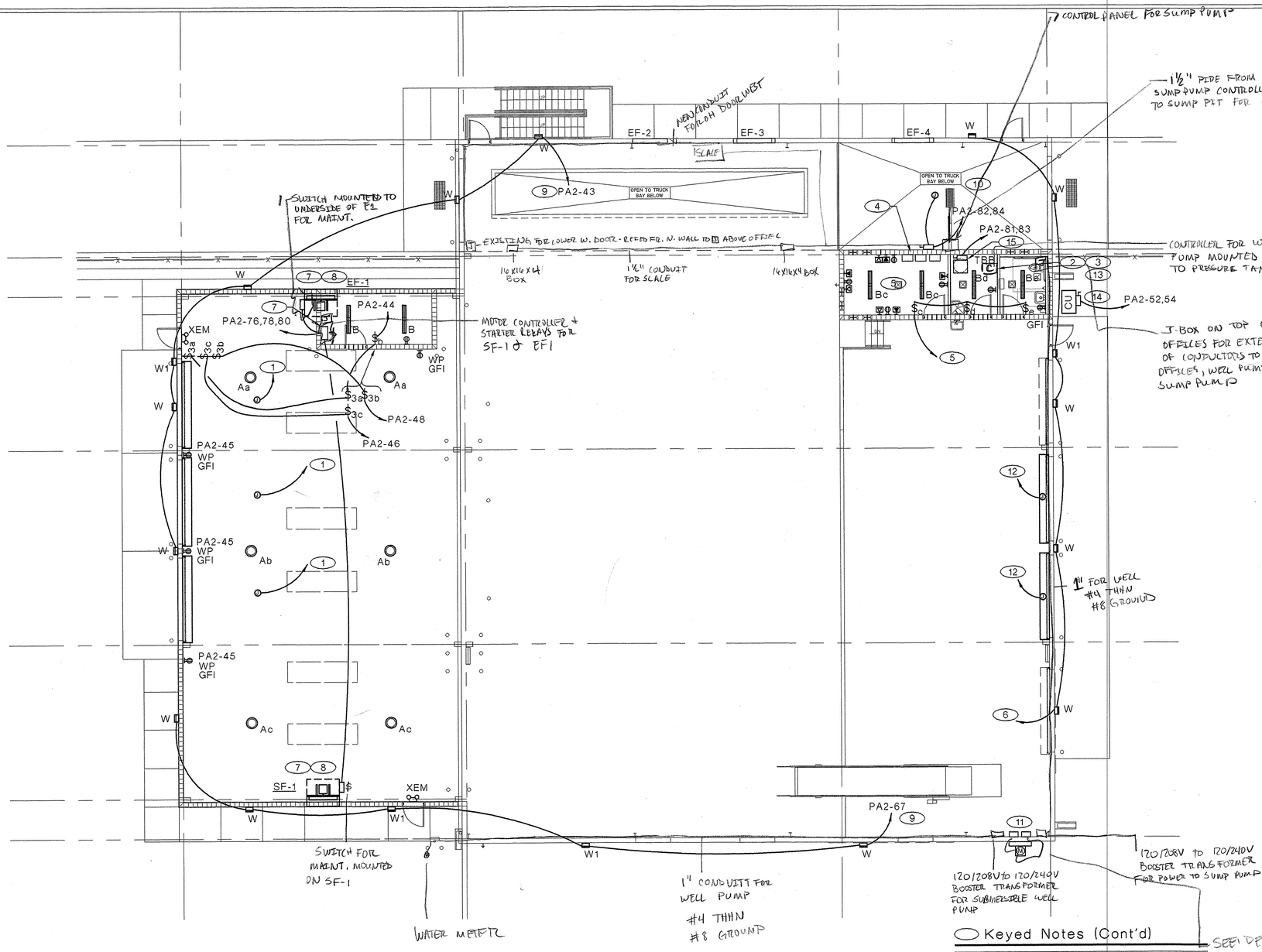
PROJECT NUMBER: LL066-12
DESIGNED BY: J.BOOTH
DRAWN BY: A.ABREU
CHECKED BY: D.REDDING
PROJECT DATE: MARCH 2011

ELECTRICAL
GENERAL NOTES AND LEGEND

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

E-001
SHEET

E001 GENNOTES 1/1/11 1:1



POWER AND LIGHTING FLOOR PLAN

SCALE: 1/8" = 1'-0"

General Notes

A. SEE SHEET E-001 FOR ELECTRICAL LEGEND & GENERAL NOTES.

B. SEE SHEET E-602 FOR PANEL SCHEDULE.

C. MAKE ALL REQUIRED CONNECTIONS TO EQUIPMENT SUPPLIED BY OTHERS INCLUDING POWER CONTROLS & THERMOSTATS FOR A COMPLETE WORKING SYSTEM SEE MECHANICAL PLANS.

D. LAYOUT IS FOR INTENT ONLY, COORDINATE LOCATION OF ALL LIGHT SWITCHES AND LIGHT FIXTURES WITH OWNER/ARCHITECT. COORDINATE EXTERIOR LIGHT PLACEMENT WITH ARCHITECTURAL DRAWINGS.

E. REFER TO ARCHITECTURAL DRAWINGS FOR DEMO PLAN. MAKE SAFE REMOVED ELECTRICAL FEEDERS, LABEL FOR RE-USE IN NEW CONSTRUCTION.

Keyed Notes

1. RECEPTACLE OR 120V,20A SAFETY SWITCH FOR DOOR OPENER. USE SAME POWER SOURCE FROM DEMOED DOOR OPENERS
2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 4'x4'x3/4" BACKBOARD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER. PROVIDE GROUNDING CONDUCTOR TO GROUNDING ELECTRODE PER UTILITY REQUIREMENTS.
3. RECONNECT NEW TELECOM OUTLETS TO TBB AND RECONNECT TO EXISTING POINT OF SERVICE, RECONNECT TBB POWER.
4. EXISTING EXHAUST FAN CONTROLLERS, VERIFY MOTOR STARTER AND NON-FUSIBLE SAFETY SWITCH ARE FUNCTION PROPERLY, EF-2 THRU EF-4 OPERATE PROPERLY AND MOTORIZED DAMPERS ARE INTERLOCKED AND FUNCTION CORRECTLY. CORRECT WHERE NECESSARY.
5. RECONNECT NEW RECEPTACLES, LIGHTS, LIGHT SWITCHES NEW WATER HEATER AND EWC TO POWER SOURCE USED PRIOR TO RECONSTRUCTION OF NEW OFFICE SPACES.
6. REPLACE EXISTING BUILDING LIGHTS, RECONNECT TO EXISTING LIGHT CONTROLLER.
7. 30A, 208V, 3PH NEMA 1 (7.5 HP) COMBINATION MOTOR STARTER AND NON-FUSIBLE, LOCK OPEN DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. PROVIDE DURABLE NAME PLATE "CONTROLS FOR EF-1 AND SF-1"
8. INTERLOCK SF-1 AND EF-1 WITH STARTER PER NOTE #7.
9. CONNECT THRU EXISTING LIGHT CONTROLLER SPARE CONTACTS.
10. NEW SUMP, PROVIDE 208V, 20A, 1PH SAFETY SWITCH, MATCH EQUIPMENT SUPPLIED. REMOVE EXISTING FEEDERS TO SOURCE FOR EXISTING SUMP PUMP.
11. EXISTING TWO SECTION PANEL "A", INSPECT AND PROVIDE MAINTAINCE AS REQUIRED.
12. RE-CONNECT DOOR OPENER USING EXISTING POWER SOURCE.

Keyed Notes (Cont'd)

13. PROVIDE 3~4" CONDUIT THAT START 7'-0"A.F.F. WITH PULL WIRE. 1~4" TERMINATE AT ABOVE CEILING AND CAP. 2~4" TERMINATE OUTSIDE THE BUILDING AND CAP. COORDINATE WITH OWNER.
14. PROVIDE 208V, 1PH, 20A DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
15. PROVIDE 208V, 1PH, 15A DISCONNECT SWITCH IN NEMA 1 ENCLOSURE.

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NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

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ABQ Project 11-018

DAVID J. REDDING NEW MEXICO 14814 REGISTERED PROFESSIONAL ENGINEER
8/2/11

REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:		LL066-12
DESIGNED BY:		J.BOOTH
DRAWN BY:		A.ABREU
CHECKED BY:		D.REDDING
PROJ_ARCH/ENG:		
PROJECT DATE:		MARCH 2011

ELECTRICAL
POWER AND LIGHTING

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

E-101
SHEET

E101-POWER 8/2/11 1:1

General Notes

A. SEE SHEET E-001 FOR ELECTRICAL LEGEND & SYMBOLS

B. SEE SHEET E-601 FOR PANEL SCHEDULES AND LIGHTING SCHEDULE.

C. COORDINATE LIGHT POLE LAYOUT WITH OWNER/ARCHITECT/ENGINEER.

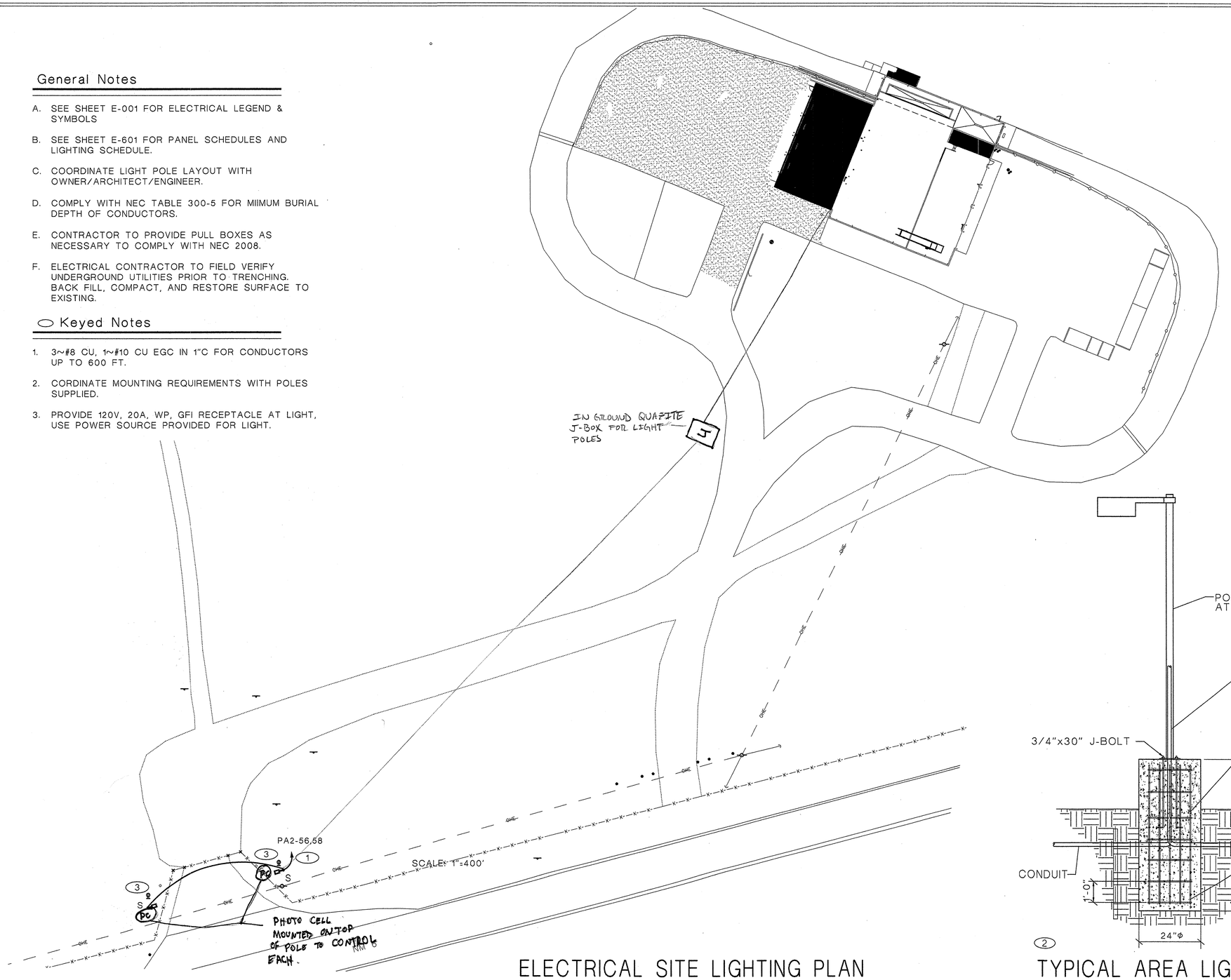
D. COMPLY WITH NEC TABLE 300-5 FOR MIIMUM BURIAL DEPTH OF CONDUCTORS.

E. CONTRACTOR TO PROVIDE PULL BOXES AS NECESSARY TO COMPLY WITH NEC 2008.

F. ELECTRICAL CONTRACTOR TO FIELD VERIFY UNDERGROUND UTILITIES PRIOR TO TRENCHING. BACK FILL, COMPACT, AND RESTORE SURFACE TO EXISTING.

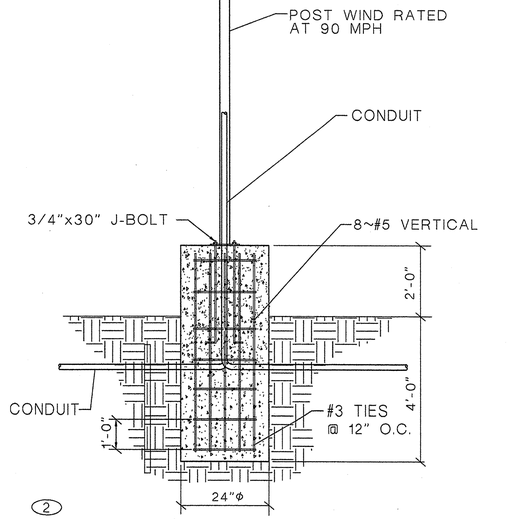
⬭ Keyed Notes

1. 3~#8 CU, 1~#10 CU EGC IN 1"C FOR CONDUCTORS UP TO 600 FT.
2. CORDINATE MOUNTING REQUIREMENTS WITH POLES SUPPLIED.
3. PROVIDE 120V, 20A, WP, GFI RECEPTACLE AT LIGHT, USE POWER SOURCE PROVIDED FOR LIGHT.



ELECTRICAL SITE LIGHTING PLAN

SCALE: 1"=400'



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TYPICAL AREA LIGHT DETAIL

SCALE: 1/2" = 1'-0"

MOLZENCORBIN

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ABQ Engineering
Engineers Planners Construction Services
4720 Academy Rd. NE, Suite 130, Albuquerque, NM 87109
505.255.7802 ABQ Project 11-018

DAVID T. REDDING NEW MEXICO 14514 REGISTERED PROFESSIONAL ENGINEER
8/2/2011

REV NO	REV DATE	DESCRIPTION
PROJECT NUMBER:		LL066-12
DESIGNED BY:		J.BOOTH
DRAWN BY:		A.ABREU
CHECKED BY:		D.REDDING
PROJECT DATE:		MARCH 2011

ELECTRICAL
SITE LIGHTING PLAN

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

E-102
SHEET

E102-SITE LIGHTING 8/2/2011 1:1

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MOUNTING	LAMPS	BALLAST	LENS	MANUFACTURER/MODEL NO.	NOTES
A	19" SPUN ALUMINUM HIGHBAY WITH UPLIGHT. DIE CAST ALUMINUM BALLAST HOUSING, GRAY FNISH.	120	PENDANT	400 PMH	CWA	N/A	HUBBELL #BL-400P-S-SU-GR - VENTURE #MP400WV/UV S/PS/740	
B	4' STRIP WITH WIREGUARD.	120	SURFACE	(2)F32T8	ELECT.	N/A	COLUMBIA #CS4-232-EU-CSWG4	
W1	ARCHITECTURAL TRAPEZOID WALLPACK. FULL CUTOFF. DIE CAST ALUMINUM HOUSING AND DOOR. TEMPERED CLEAR GLASS LENS. FORWARD THROW DISTRIBUTION. BRONZE FNISH. EMERGENCY BATTERY PACK.	120	EXTERIOR WALL	42 CFL	CWA	TEMPERED GLASS	HUBBELL #TRP-42F8-FT-BZ-BOC1	
W	ARCHITECTURAL TRAPEZOID WALLPACK. FULL CUTOFF. DIE CAST ALUMINUM HOUSING AND DOOR. TEMPERED CLEAR GLASS LENS. FORWARD THROW DISTRIBUTION. BRONZE FNISH.	120	EXTERIOR WALL	150 PS QUAD	CWA	TEMPERED GLASS	HUBBELL #TRP-150P8-FT-BZ	
X	WHITE THERMOPLASTIC LED COMBO UNIT. RED LETTERS. HIGH OUTPUT HALOGEN LAMPS. BATTERY AND CHARGER.	120	SURFACE	INCL	BATTERY	N/A	DUALLITE #LTURW	
XEM	EMERGENCY LED SCONCE. DIE CAST ALUMINUM HOUSING. BATTERY AND CHARGER. INTEGRAL BATTERY HEATER.	120	SURFACE	INCL	BATTERY	TEMPERED GLASS	DUALLITE #PGZ-HTR	
S	DIE-CAST ALUMINUM POLE MOUNT LUMINAIRE. FULL CUTOFF. CLEAR, FLAT TEMPERED GLASS LENS. FULLY GASKETED. TYPE II DISTRIBUTION. SINGLE MOUNT ON 20' POLE, 2' BASE.	208	SITE	250PMH	CWA	TEMPERED GLASS	SPAULDING #CR1A-P25-H3-F-Q-FINISH-P2 ON 20' POLE WITH 2' BASE	EXTERIOR SITE

LINE-LINE VOLTAGE:	208			PANEL -A SECTION 1						BUS SIZE: 400A				
S.C.A. 10 KAIC										MAINS: MLO				
MOUNTING: NEMA1														
	LOAD (KVA)			CB				CB		LOAD (KVA)				
LOAD SERVED	LTG	REC	OTHER	AMP	P		ϕ	AMP	P	LTG	REC	OTHER	LOAD SERVED	
*BAY LIGHTS				25	1	1	A	20	1				*EXTERIOR LTS	
SPACE						3	B	4					SPACE	
*BAY LIGHTS				25	1	5	C	6	20	1			*EXTERIOR LTS	
*BAY LIGHTS				25	1	7	A	8	20	1			*EXHAUST FAN	
SPACE						9	B	10					SPACE	
*EAST GARAGE DOOR OPENER				20	1	11	C	12	20	1			*SCALE	
*RECEPS E. GARAGE DOOR				20	1	13	A	14	25	1			*WATER HEATER	
SPACE						15	B	16	20	1			SPACE	
*BAY LIGHTS				25	1	17	C	18	30	2				
*BAY LIGHTS				25	1	19	A	20					*WELLPUMP	
SPACE						21	B	22					SPACE	
SPACE						23	C	24	20	1			*RECEPTACLES	
*LOWER E. GARAGE OPENER				20	1	25	A	26	20	1			*RECEPTACLES OFFICE	
SPACE						27	B	28					SPACE	
*EXHAUST FAN				20	1	29	C	30	20	1			*OFFICE FAN & LIGHTS	
*EXHAUST FAN				20	1	31	A	32	20	1			*RECEPTACLE RR	
SPACE						33	B	34					SPACE	
SPARE						35	C	36	20	1			*OFFICE SPACE HTR	
*EAST GARAGE DOOR OPENER				20	1	37	A	38	20	1			*SPACE HTR RR	
SPACE						39	B	40					SPACE	
*HEATER				20	1	41	C	42					SPACE	
	CONNECTED		DEMAND					PHASE BALANCE (KVA)						
	LOAD (KVA)		LOAD (KVA)					A	B	C	TOTAL			
LIGHTING	0.0	1.25	0.0					0.0	0.0	0.0	0.0			
RECEPTACLE	0.0		5.0											
OTHER	0.0	1	0.0					LINE AMPS:		13.9				
TOTAL	0.0		5.0					Panel		17.4				
PROVIDE TYPE WRITTEN LEGEND			* LOAD EXISTING											

LINE-LINE VOLTAGE:	208			PANEL -A SECTION 2						BUS SIZE: 400A				
S.C.A. 10 KAIC										MAINS: MLO				
MOUNTING: NEMA1														
	LOAD (KVA)			CB				CB		LOAD (KVA)				
LOAD SERVED	LTG	REC	OTHER	AMP	P		ϕ	AMP	P	LTG	REC	OTHER	LOAD SERVED	
NEW WEST EXT LIGHTS	0.8			20	1	43	A	44	20	1	1			NEW HI BAY LIGHTS ADDITION
NEW WEST WALL RECPT		0.36		20	1	45	B	46	20	1	1			NEW HI BAY LIGHTS ADDITION
*WEST WALL RECEPT				20	1	47	C	48	20	1	1			NEW HI BAY LIGHTS ADDITION
*MIDDLE W. GARAGE DOOR				20	1	49	A	50	20	1				*GARAGE DOOR OPENER
SPACE						51	B	52	20	2			1.7	*CU-1 (OUT DOOR UNIT)***
SPARE				20	1	53	C	54					1.7	
*E. GARAGE OPENER				20	1	55	A	56	20	2	0.3			*SITE LIGHTING **
SPACE						57	B	58			0.3			
*OUTDOOR GFI RECEPT				20	1	59	C	60	20	2				*CONVEYOR
*PIT GFI RECEPT				20	1	61	A	62						
SPACE						63	B	64						
*EXISTING SUMP PUMP REMOVED						65	C	66	30	3				*COMPACTOR
NEW SOUTH EXT LIGHTS	0.9			20	1	67	A	68						
SPARE						69	B	70						
SPARE						71	C	72	100	3				*BAILER
SPARE						73	A	74						
SPARE						75	B	76					2.6	
SPARE						77	C	78	30	3			2.6	EF-1 & SF-1
SPARE						79	A	80					2.6	
FC (IN DOOR UNITS)			0.2	15	2	81	B	82	20	2			1.6	SP-1
			0.2			83	C	84					1.6	
	CONNECTED		DEMAND								PHASE BALANCE (KVA)			
	LOAD (KVA)		LOAD (KVA)								A	B	C	TOTAL
LIGHTING	5.3	1.25	6.6					New Sect 2			8.8	11.0	10.3	30.1
RECEPTACLE	0.4		0.4											
OTHER	14.8	1	16.6											
TOTAL SECTION 2 NEW	20.5		23.6											
TOTAL PANEL A EXISTING			89.7					LINE AMPS:		314.8				
TOTAL EXISTING & NEW			113.3					PANEL AMPS		393.5				
PROVIDE TYPE WRITTEN LEGEND			* LOAD EXISTING					**SWITCH RATED LOCK OPEN CB						

General Notes

A. SEE SHEET E-001 FOR ELECTRICAL LEGEND & SYMBOLS.

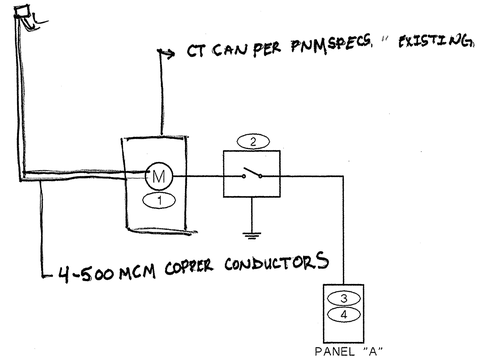
B. PROVIDE TYPEWRITTEN LEGEND.

C. ELEC. SERVICE AT SITE IS 3 PHASE 4 WIRE 120/208V SYSTEM

KEYED NOTES

1. EXISTING 120/208V, 4W, 3PH SERVICE, CT ENCLOSURE AND METER.
2. EXISTING 400A 120/208V, 4W, 3PH FUSED DISCONNECT SWITCH FUSED WITH 300A FUSES. UPGRADE TO 400A CLASS RK FUSES AND FIELD VERIFY SWITCH IS SUITABLE FOR USE AS SERVICE EQUIPMENT
3. EXISTING 120/208V, 4W, 3PH 400A MLO TWO SECTION PANEL.
4. LOAD ANALYSIS: (EXISTING LOAD OBTAINED FROM CONSTRUCTION DRAWINGS DATED 9/25/1997.)

   EXISTING LOAD = 89.7 KVA
   NEW LOAD = 23.6 KVA
   NEW TOTAL LOAD = 113 KVA (394A @ 208V, 3PH)



EXISTING ONE - LINE DIAGRAM

SCALE: NONE

MOLZENCORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

ABQ Engineering
Engineers Planners Construction Services
6720 Academy Rd. NE, Suite 130, Albuquerque, NM 87109
505.858.7892
ABQ Project: 11-018

DAVID J. REDDING NEW MEXICO 14514 REGISTERED PROFESSIONAL ENGINEER
Dave 9/13/11

REV NO	REV DATE	DESCRIPTION

PROJECT NUMBER: LL066-12
DESIGNED BY: J.BOOTH
DRAWN BY: A.ABREU
CHECKED BY: D.REDDING
PROJECT DATE: MARCH 2011

ELECTRICAL
SCHEDULES AND DIAGRAMS

LOS LUNAS WASTE TRANSFER STATION
7480 MAIN STREET, NW
LOS LUNAS, NEW MEXICO 87031

E-601
SHEET

E601 SCHEDULES 9/13/11 1:1

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 2
GENERAL OPERATIONS PLAN

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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ABBREVIATIONS AND ACRONYMS

CCWR	Cross Combined Weight Rating
CDL	Commercial Driver's License
Facility	Village of Los Lunas Transfer Station
MSW	Municipal Solid Waste
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
SWD	Solid Waste Division
VLLTS	Village of Los Lunas Transfer Station

1.0 INTRODUCTION

1.1 Purpose of the Plan

This General Operations Plan describes the policies and procedures of the Solid Waste Division (SWD) for operating the Village of Los Lunas Transfer Station (VLLTS). The General Operations Plan, in conjunction with the attached appendices and forms, will serve as the operation manual for the facility as well as the training manual for new hires.

1.2 Updates and Revisions

This Plan will be updated or amended, if necessary, whenever:

- The facility permit is renewed or modified;
- The facility's design, operations, or maintenance procedures change;
- The list of facility equipment changes; or
- There are changes to the information included in the appendices.

1.3 New Mexico Administrative Code Compliance

This Plan is written to comply with the relevant requirements of 20.9.3.8(6)(C) NMAC, 20.9.3.11(5)(A) NMAC, 20.9.5.8 NMAC General Operating Requirements for all Solid Waste Facilities, and 20.9.5.11 NMAC Additional Transfer Station Requirements.

Table 1-1 lists all NMAC requirements that this General Operations Plan meets and which section specifically demonstrates compliance.

TABLE 1-1
NMAC COMPLIANCE

Solid Waste NM Administrative Code	Section Located In Exhibit 2
20.9.3.8 C(6)(a)	Sections 4.0 and 7.0
20.9.3.8 C(6)(b)	Appendix B
20.9.3.8 C(6)(c)	Sections 3.1 and 3.2
20.9.3.8 C(6)(c)(i)	Section 5.0
20.9.3.8 C(6)(c)(ii)	Sections 6.0 and 7.0
20.9.3.8 C(6)(c)(iii)	Sections 6.0 and 7.0
20.9.3.8 C(6)(c)(iv)	Sections 5.4 and 5.5
20.9.3.8 C(6)(c)(v)	Section 5.5
20.9.3.8 C(6)(d)	Section 6.2.2
20.9.3.8 C(6)(e)	Section 3.3
20.9.3.8 C(6)(f)	Section 3.4
20.9.3.8 C(6)(i)	Section 4.1
20.9.3.8 C(6)(g)(ii)	Section 4.2
20.9.3.8 C(6)(g)(iii)	Sections 4.3 and 7.0
20.9.3.8 C(6)(g)(iv)	Section 4.2
20.9.3.8 C(6)(g)(v)	Section 6.2.2
20.9.3.8 C(6)(h)	Section 9.0
20.9.5.8 A(1)	Sections 6.0, 6.1, and 6.2
20.9.5.8 A(2)	Sections 7.1 and 7.3
20.9.5.8 A(3)	Section 4.4
20.9.5.8 B(1)	Section 2.3.1
20.9.5.8 B(2)(a)	Section 6.10
20.9.5.8 B(2)(b)	Sections 2.3.3 and 2.3.4
20.9.5.8 B(2)(c)	Sections 2.3.3, 2.3.4, and Appendix D
20.9.5.8 B(2)(d)	Sections 2.3.3, 2.3.4, and Appendix D
20.9.5.8 B(3)	Sections 9.1 and 9.2
20.9.5.8 B(4)	Section 9.3
20.9.5.8 B(5)(a)	Sections 2.3.4 and 9.3
20.9.5.8 B(5)(b)	Section 2.3.4
20.9.5.8 B(5)(c)	Section 2.3.4
20.9.5.8 B(6)	Section 6.11
20.9.5.8 B(7)	Section 2.3.6
20.9.5.8 C	Section 6.0
20.9.5.8 D	Section 6.2
20.9.5.11 A	Section 6.2.1
20.9.5.11 B	Table 6-1
20.9.5.11 C	Sections 2.3.6, 4.3, and 7.1
20.9.5.11 D	Section 6.9
20.9.5.11 E	Section 6.9
20.9.5.11 F	Section 6.1
20.9.5.11 G	Section 4.4
20.9.5.11 H	Section 4.4
20.9.5.11 I	Section 7.5
20.9.5.11 J	Tables 5.1, 6.3, 6.6, and 6.8

2.0 FACILITY PERSONNEL AND STAFF

2.1 General Personnel Information

Appendix A includes a list of facility personnel by title and brief job description. This list shall be revised or amended as additional jobs are added or if there are changes in job descriptions or titles.

2.2 General Training Information

Upon hire, new VLLTS personnel will undergo training as laid out in this Section as well as Section 8.3 of this General Operations Plan and in conjunction with the VLLTS Mission Statement. Newly-hired personnel will partake in a broad training curriculum to establish a firm understanding of the transfer station and its various operations. After hire, annual training for personnel will be based on their position, duties, responsibilities, and any other requirements of the approved General Operations plan.- The VLLTS will closely follow the detailed personnel training plan laid out in this Section.

Training detail includes:

General training topics that are covered
Equipment procedures and protocol
Personal safety training
Emergency/contingency plan training

2.3 Personnel Training and Certification Plan

The purpose of this Section is to demonstrate how the VLLTS is compliant with training and certification standards that are required per 20.9.5 and 20.9.7 of the NMAC. All major training areas will be covered and discussed in this Section.

2.3.1 Operator Certification

During the hours of operation, a certified operator or designee will be present and oversee all activities at the VLLTS. The VLLTS has five certified operators currently: the Solid Waste Superintendent, the Transfer Station Supervisor, the Transfer Station Assistant Supervisor, the Recycle Operator, and the Transfer Station Operator. All five of these positions are certified in solid waste operations and recycling operations, and in the future, a minimum of one person will be certified to operate the VLLTS's new composting facility when it becomes operational. Appendix A includes all positions at the VLLTS as well as certifications that each individual holds at the transfer station.

The VLLTS acknowledges that operator certification is valid for three years from the date of issuance. Certified operators must apply for recertification a minimum of 30 days prior to the expiration date of their current certification. The required training must be completed prior to the expiration date of operator certification.

2.3.2 Equipment and Machinery Training

As mentioned prior, the VLLTS trains its entire staff in all operations and duties at the Transfer Station. All Transfer Station personnel are expected to be able to carry out any and all tasks at the facility, including operation of machinery and equipment.

In order to be able to operate any piece of machinery or equipment at the Transfer Station, personnel must first complete training for the given piece of equipment. Once training is complete, the individual will undergo supervised operation of the equipment until the supervisor feels confident enough to allow unsupervised operation of the piece of equipment for everyday Transfer Station operation.

All SWD collection vehicles used to transport waste to the VLLTS exceed the 10,000 lbs. gross combined weight rating (GCWR) threshold and require a Class B Commercial Driver's License (CDL). The Transport Semi used to haul waste to Sandoval and Valencia County Landfills

exceeds the 26,000 lbs. GCWR and requires a Class A Commercial Driver's License.
All collection vehicle drivers must obtain a Class B CDL and all Transport Drivers must obtain a Class A CDL upon hire.

2.3.3 Authorized and Unauthorized Waste Training

All staff and personnel will be required to complete Authorized Waste Training. New hires will be required to complete this portion of training before they are able to work unsupervised at the VLLTS. The general training topics for Authorized Waste Training include, but are not limited to:

- Acceptable waste items at the VLLTS
- Unacceptable waste at the VLLTS
- Red Flags/Indicators of unacceptable waste
- Reporting and documenting of unacceptable/hazardous waste

An outline for general Unauthorized Waste Training is provided in Appendix D. The outline is specifically geared toward commercial and special waste haulers, but has general applicability to all haulers of solid waste.

2.3.4 Waste Screening and Inspection

The VLLTS personnel receive training on Exhibit No. 4, the Waste Screening and Inspection Plan, when initially hired and annually thereafter in accordance with 20.9.5.8.(B)(2)(d) NMAC. Training includes, but is not limited to:

- Acceptable and unacceptable waste material allowed at VLLTS
- Unacceptable waste recognition
- Pre-screening and screening protocol
- Proper inspection practice
- How to properly section off and inspect waste on tipping floor

- Reporting and documenting of unacceptable/hazardous waste
- Implementing contingency plans

In general, should unauthorized waste be discovered, VLLTS staff will: 1. Restrict the area from public access and from facility personnel; 2. Assure proper cleanup, transport, and disposal of the waste; and 3. Notify the department, the hauler, and the generator in writing within 48 hours.

2.3.5 Health and Safety

See Section 8.3 of this Exhibit for the Health and Safety Training Plan.

2.3.6 Contingency Plan Training

All personnel are trained on how and when to implement the emergency contingency procedures that are detailed in Exhibit No. 6: Contingency Plan. The Transfer Station regularly carries out drills and exercises replicating what to do in the case of an emergency situation. Training on emergency events includes:

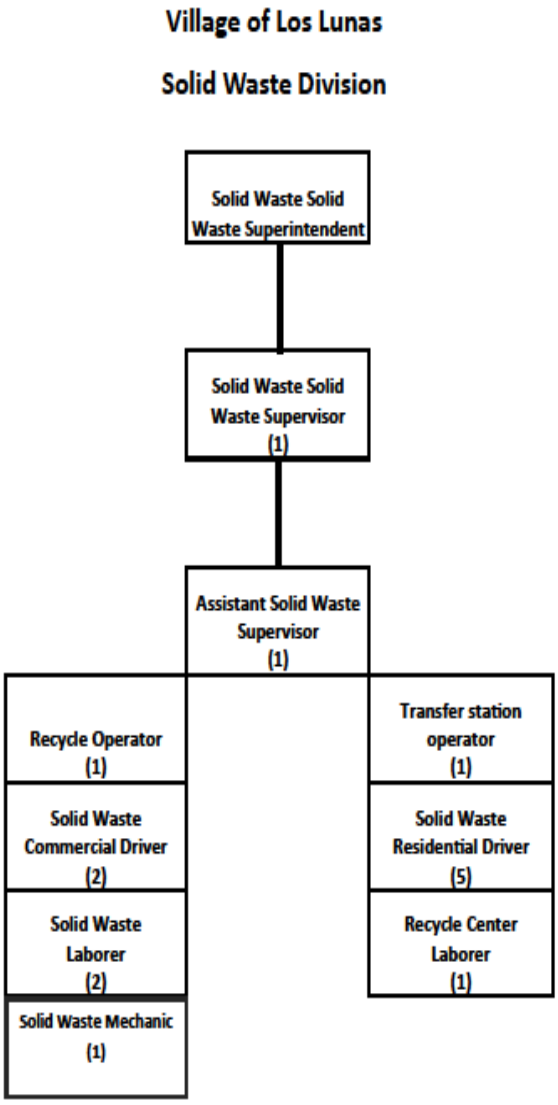
- Evacuation routes and plans
- Emergency contacts
- Actions taken for fires, explosions, natural disaster, and/or chemical releases
- Actions taken for hostile threats
- Reporting and documenting accidents
- Proper use of emergency equipment

2.4 Chain of Command

The Transfer Station Superintendent will be the primary person in charge at the VLLTS. All decision-making and management will go through the Superintendent. Should the Transfer

Station Superintendent be unavailable or unable to attend to their responsibilities, the Solid Waste Supervisor will assume the role of the superintendent. Figure 2-1 contains a flow chart outlining and detailing the chain of command at the VLLTS.

FIGURE 2-1: CHAIN OF COMMAND FLOW CHART



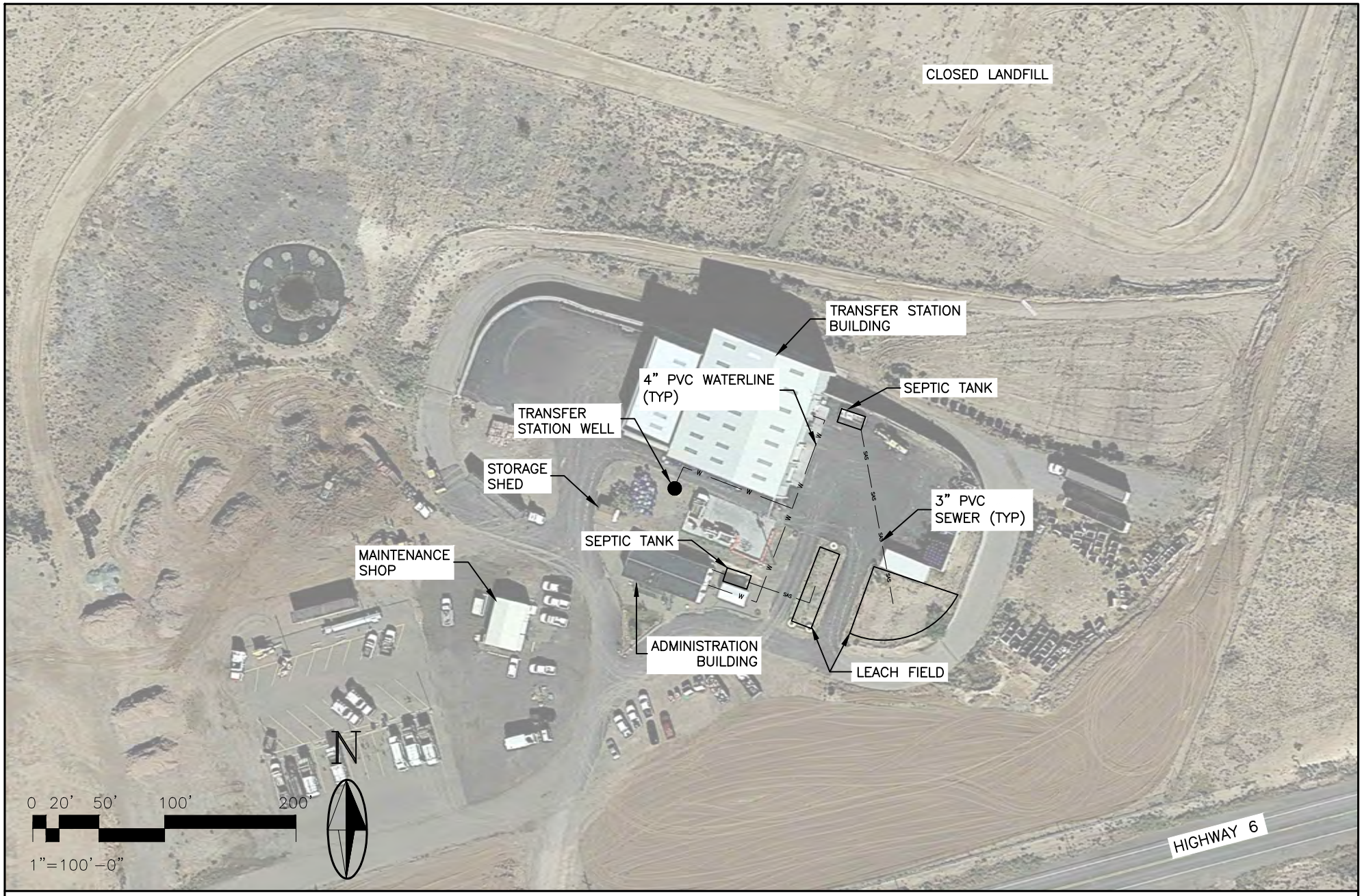
3.0 GENERAL FACILITY DESCRIPTION

The Los Lunas Transfer Station property encompasses a total of 48.58 acres, of which 32.62 acres is dedicated for the Transfer Station and 15.96 acres is the closed landfill facility. The VLLTS is comprised of two main buildings: Staff Administration Building and the Transfer Station Building. The Staff Administration Building contains offices, bathrooms, and a break area for personnel. The Transfer Station Building consists of a tipping area containing two bays where SWD collection trucks unload MSW throughout the day, a recycled cardboard processing and baling area, a transport vehicle dock below the tipping floor where Municipal Solid Waste (MSW) is pushed and loaded into the waste transport vehicle, as well as an office with a computer, electrical control panel, and file cabinets containing various forms, documents, and records.

3.1 Site Location

The Village of Los Lunas Transfer Station is located on Highway 6, west of Interstate 25. The following pages include Figure 3-1 (Building Names and Locations) and Figure 3-2 (Waste Location Storage Areas), illustrating the locations of the two buildings and the waste processing areas. With a few exceptions, the VLLTS material processing equipment (balers, etc.) is mounted on trailers so that they can be moved throughout the site as needed. The equipment is stored in or adjacent to the parking area west of the maintenance shop.

LAST MODIFIED: Jul 09, 2020 - 3:27pm BY USER: MTenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Building Name and Location 3-1.dwg



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

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FIGURE 3-1

BUILDING NAMES & LOCATIONS

NOTE: ALL AREAS ARE APPROXIMATE AND SATELLITE IMAGE MAY NOT BE CURRENT

TRANSFER STATION BUILDING

ADMIN. BUILDING

SCRAP TIRE STORAGE AREA. (BALED)

ADDITIONAL NOTE: PLEASE REFER TO EXHIBIT NO. 1 SHEET S6 FOR STORAGE AREA ENGINEERING DRAWINGS

1 2 3 4 5 6 7 8 9

0 10' 20' 60' 120'

1"=60'-0"

N

KEYED NOTES

1. GREEN WASTE PROCESSING AREA– 100' x 120'
2. COLLECTION BIN STORAGE AREA– 44' x 44'
3. GLASS PROCESSING AREA– 31' x 44'
4. RESIDENTIAL MSW COLLECTION/STORAGE AREA– 37' x 43'
5. RESIDENTIAL RECYCLING COLLECTION/STORAGE AREA– 36' x 23'
6. SCRAP TIRE STORAGE AREA (UN–BALED)– 13' x 15'
7. SCRAP METAL, E–WASTE, AND WHITE GOOD STORAGE AREA– 43' x 15'
8. HOUSEHOLD HAZARDOUS WASTE STORAGE AREA. (OIL, PAINT, BATTERIES, AND AEROSOLS)– 36' x 14'
9. BALED CARDBOARD HOLDING AREA– 44' x 44'

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TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

FIGURE 3-2

WASTE LOCATION STORAGE AREAS

3.2 General Information

Facility Name:	Village of Los Lunas Transfer Station
Physical Address/Location:	7480 Main Street NW, Los Lunas, NM 87031
Owner:	Village of Los Lunas 660 Main St. Los Lunas, NM 87031
Operator:	Solid Waste Division (SWD) 315 Don Pasqual Rd. Los Lunas, NM 87031.

3.3 Anticipated Start Date

VLLTS is an active transfer station, which was issued an operating permit on November 17, 1999 that expires on November 17, 2019. However, a timely renewal application was submitted in November 2018 and therefore the permit issued in November 1999 remains until the NMED Secretary makes a decision on the pending renewal application in accordance with 20.9.3.25(B) NMAC. Pending approval, the permit is anticipated to be renewed through November 17, 2039.

3.4 Facility Operating Schedule

The Village of Los Lunas Transfer Station operates Monday – Friday from 7:30 a.m. to 11:30 a.m. and 1:30 p.m. to 3:30 p.m. The Transfer Station will be closed on weekends and all holidays.

Holidays Observed by the Village:

- Thanksgiving (Thursday and Friday)
- Christmas Eve / Christmas Day
- Fourth of July
- Good Friday / Easter Holiday
- New Year's Day

3.5 Staff and Personnel

See Appendix A for Staff and Personnel information.

3.6 Equipment On-Site

Appendix B provides a list of all equipment used at the Village of Los Lunas Transfer Station, along with the manufacturer, model number and/or VIN number, and maintenance information associated with the listed equipment.

4.0 GENERAL TRAFFIC AND VEHICLE INFORMATION

Vehicles using the Village of Los Lunas Transfer Station are required to comply with all applicable state and local traffic laws within the facility, on the access roads leading to the facility, and all other routes used by SWD vehicles.

4.1 Size and Volume of Vehicles

On Monday through Friday, the Village of Los Lunas SWD will have four, 30-cubic-yard compactor trucks; one 20-cubic-yard compactor truck; and one 12-cubic-yard, flatbed truck to deliver waste to the facility. Each truck will make one to two trips per day, depending on the volume of waste picked up from the Village. Commercial haulers will not be permitted to drop off waste at the VLLTS unless they are strictly carrying green waste. There are no restrictions for passenger vehicles and any trailers that they may be pulling, providing their loads are covered securely.

On average, the facility sees about ten residential passenger vehicles per day, in addition to about ten SWD truckloads a day. Transport vehicles carrying MSW from the VLLTS to Sandoval or Valencia landfills can carry loads up to 68,000 pounds (gross vehicle weight).

4.2 Routes To and From Facility

All collection vehicles currently use and will continue to use Highway 6 as the main road to and from the Transfer Station. VLLTS Transportation trucks carrying waste to and returning from Valencia County Landfill proceed West on Highway 6 for approximately 10.7 miles before making a left on an unmarked street and continuing South for 6.2 miles, totaling approximately 16.9 miles or 33.8 miles round trip. VLLTS Transportation trucks carrying waste to and returning from Sandoval County Landfill utilize the following route: Highway 6 to I-25 Northbound to Highway 550 to Paseo Del Vulcan which totals 99.6 miles round trip. All of the listed roads are suitable to handle the size and weight of waste transportation vehicles. NMDOT as well as Sandoval County have been contacted by the VLLTS and made aware that their

roadways are utilized by these types of vehicles. Refer to Appendix G for transportation coordination correspondence. Collection vehicles currently use and will continue to use municipal maintained alleys for collection of solid waste as well.

4.3 Impact of Litter, Traffic, Odor, and Dust

All unloading of waste by the SWD collection trucks will be done inside the enclosed Transfer Station Building on the tipping floor to control litter, dust, odor, and noise. All waste and recyclable material dropped off by residents will be done so outside in the designated storage areas, which have containers for most of the waste types. These storage areas, as well as the perimeter fence of the Transfer Station, are cleaned and maintained daily to minimize loose waste material around the facility and reduce litter to surrounding land. All of these protocols and procedures are done in accordance with 20.9.3.8(C)(6)(a) NMAC.

Areas of high traffic within the facility are either paved or have a layer of asphalt millings to mitigate erosion as well as limit the amount of dust created by daily Transfer Station operation. In areas that are not paved or do not have a layer of asphalt millings, dust is not and is not expected to be an issue in the future. If dust does in fact become an issue, the VLLTS is prepared to use more asphalt millings, ground glass, or other materials in problematic areas.

4.4 Traffic Within Facility

Upon entering the facility through the main entrance, all residential passenger vehicles are required to stop and check in with the Solid Waste Supervisor or Solid Waste Operator inside the Administration Building which controls access to the VLLTS in accordance with 20.9.3.8(C)(6)(a) NMAC. Calling ahead of time to check in and ensure the Transfer Station is accepting waste is always preferred, but it is not mandatory. Proper signage regarding check-in (see Exhibit No. 23) is posted upon entering the VLLTS for any first-time users or individuals who are unfamiliar with the Transfer Station. Depending on the resident's load, they will be directed by either the Solid Waste Supervisor or Solid Waste Operator to the appropriate waste storage area within the facility.

Generally, all residential vehicles and trailers will turn right after check-in to deliver their load at the correct storage area. The only exception is when residential vehicles are dropping off green waste. The storage area for green waste is located on the southwest side of the facility. After unloading their waste material, all residential vehicles will make a counter-clockwise loop, following appropriate signage posted, and proceed to exit the facility.

For all SWD collection vehicles, drivers will turn left upon entering the facility and make their way to the collection vehicle entrance on the west side of the Transfer Station Building. Drivers will radio the Transfer Station at this point and will be notified when to enter the building through one of the two collection bays. After unloading, the collection vehicles will proceed back to the route and exit the property. See Figure 4-1 for detailed traffic flow.

The VLLTS also provides adequate off-street parking facilities for transfer vehicles when they are not in use, and no transfer vehicles are parked on public streets or roads per 20.9.5.11(G) and 20.9.5.11(H) NMAC.

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DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Traffic Flow. 4-1.dwg

TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

MOLZENCORBIN

FIGURE 4-1
TRAFFIC FLOW

5.0 WASTE MATERIAL INFORMATION

5.1 Acceptable Materials

The following materials, in household quantities only, are accepted at the Village of Los Lunas Transfer Station:

- MSW
- White Goods
- Scrap Metal
- E-Waste
- Green Waste
- Paint (Five gallons per year per customer.)
- Tires (Five per household. Ten units per calendar year.)
- Used Oil (Five gallons. No water or mixed fuel. Ten gallons per calendar year.)
- Car Batteries
- Chemicals (Bug spray, weed control, etc. Household quantities only.)
- Old Furniture
- Recyclables

The following recyclable materials are accepted at the Village of Los Lunas Transfer Station:

- Cardboard (Non-wax/non-pizza box cardboard.)
- Aluminum
- Plastic (No. 1 and No. 2 only.)
- Paper
- Metals
- Glass

5.2 Unacceptable Materials

The following materials will not be accepted at the Village of Los Lunas Transfer Station:

- Any Level of Radioactive Waste
- Hazardous Waste
- Commercial Truck Tires or Tractor Tires
- Containers Without Labels
- Electrical Ballast with Polychlorinated Biphenyl (PCB).
- Electrical Ballast Without Manufacturing Labels (Mfg)
- Asbestos
- Mercury and Items Containing Mercury
- Fluorescent Tubes
- Construction and Demolition
- Sand or Gravel
- Ash
- Infectious Waste
- Sludge
- Industrial Solid Waste that requires special handling
- Chemical Spill Materials that require special handling
- Petroleum-Contaminated Soil
- Treated Formerly Characteristic Hazardous Wastes (TFCH)
- Packing House and Killing Plant Offal
- Special Wastes Not Otherwise Specified

5.3 Utilization of Facility

Residents of Los Lunas are the only individuals permitted to drop off solid waste at the VLLTS for free. A valid water bill, along with an acceptable form of identification, will be requested as a form of residency by personnel upon arrival at the VLLTS. Residents living in the unincorporated areas of Valencia County will also be able to drop off solid waste at the facility;

however, they will be charged a fee and will still have to provide a water bill and an acceptable form of identification proving residence within Valencia County.

5.4 Material Processing Information

VLLTS receives an estimated average of 60 tons of total waste per day. Table 5-1 illustrates the breakdown of matter received at the facility on a daily and per-year basis.

5.5 Facility Handling Capabilities and Expected Life

The design capacity of the facility per 8-hour shift is approximately 520 compacted yards or 130 tons. With the population of Los Lunas expecting to double in the next 20 years, and with a current average of 60 tons of waste received per day, the VLLTS does not have an apparent design capacity that limits its expected life.

TABLE 5-1
VILLAGE OF LOS LUNAS TRANSFER STATION
WASTE BREAKDOWN

	Volume/Weight Received (Per Month)	Storage Location at Transfer Station	Frequency of Removal From Site	Final Transfer Location
MSW	900-1000 tons	Tipping Floor	3 times daily (typical)	Sandoval (Primary) or Valencia (Secondary) Landfills
MSW (From Residential Drop-Off)	3 - 6 tons	Roll Off Bin on South Side of VLLTS Property	Twice a week	A private hauler who is individually contracted through the Village is responsible for disposing of residential deposited MSW. Final location is done according to private hauler's operation plan.
Universal/HHW	10 - 15 gallons	Paint/Oil/Lead Acid Battery/Aerosol Can Holding Area, east of Transfer Station Building; Flammables west of Storage Building	Once a year	Sandoval (Primary) or Valencia (Secondary) Landfills
White Goods/Scrap Metal	3 - 4 tons	Scrap Metal Holding Area, east of Transfer Station Building	1 time per month as needed	Acme Metals (Primary), Pueblo Metals (Secondary), or Albuquerque Metals (Secondary)
Electronic Waste	1 ton	Electronic Waste Holding Area, east of Transfer Station Building	1 time per month as needed	NM Computer Recyclers
Scrap Tires	700 lbs	East of Glass Grinding Area, northeast of Transfer Station Building	Baled every 6 months or as needed. As of now, tires are being stored on site and will begin being shredded in 2020 and every 10 years following.	Tires are currently being stored onsite. Once tire shredding commences, shredded tires will be introduced into the VLLTS MSW stream and be transported to Sandoval or Valencia County Landfills.
Glass	8 tons	At Glass Grinding Area, directly south of the Transfer Station	1 time per week	Repurposed on site or Sandoval/Valencia LF
Green Waste	400 tons	Green Waste Area (on site, west of Staff Quarters)	Green Waste is not being removed in order to stockpile supply for the future composting facility.	Onsite
Old Furniture	500 – 750 lbs	Tipping Floor	As needed. Usually one to two times per week	Sandoval (Primary) or Valencia (Secondary) Landfills.
Recyclables	60 tons	Recycling Bins, south of Staff Quarters / Tipping floor (cardboard)	Picked up 3 times per week	Town Recycling

6.0 PROCEDURAL LAYOUT

The SWD will operate the VLLTS in a manner that does not cause a public nuisance or create a potential hazard to public health, welfare, or the environment. The VLLTS will achieve this by operating according to the procedures described in the operating plans and in accordance with New Mexico Solid Waste Management Rules (20.9.2 NMAC).

The VLLTS understands, however, that the Secretary may order temporary changes in operation or facility design in emergency situations when the Secretary determines there is an imminent danger to public health, welfare, or the environment per 20.9.5.8(C) NMAC.

6.1 General Operations

All residents will be required to check in upon entering the facility by the VLLTS Solid Waste Operator or Solid Waste Supervisor, as stated in Section 5.3. The Operator will obtain a valid water bill and form of identification confirming residence. If no form of residency is provided, the individual will be prompted to leave the facility and take the waste material to Sandoval County or Valencia County Landfills. If residency is confirmed, the individual will be asked to sign in while his/her waste material is inspected for any unauthorized material. Following the inspection, the individual will be directed to the appropriate area of the Transfer Station for the respective waste material. If waste is deemed unacceptable after the screening process, the unacceptable waste will be directed to Sandoval or Valencia County Landfills if applicable.

For SWD vehicles, drivers are required to sign in, date, time, and list the specific collection route taken. Drivers are to follow the directions of the Transfer Station Operator at all times and wait until the Operator deems that it is okay for the collection vehicle to unload on the tipping floor. Once the entire collection truck's load has been deposited on the tipping floor, either the Solid Waste Supervisor, or Transfer Station Operator will operate a backhoe and push waste off the tipping floor, into the bed of the transportation truck which is located on the lower level of the transfer station. See photos below to further illustrate how transportation trucks are loaded. If any suspicious waste is spotted while unloading the collection truck or loading the transportation

truck, the Operator will section off the suspicious waste from the rest of the tipping floor and proceed to follow the waste inspection protocol mentioned in Exhibit 4: Waste Screening and Inspection Plan.

FIGURE 6-1
LOWER LEVEL OF TIPPING FLOOR AND COLLECTION TRUCK

FIGURE 6-2
UPPER LEVEL OF TIPPING FLOOR WITH LEDGE
ABOVE OPENING OF THE COLLECTION TRUCK

6.2 Universal/Alternative Waste Disposal and Handling

6.2.1 Universal Waste

The VLLTS only accepts batteries, pesticides, and aerosols as long as they are deemed a household-sized quantity and handles these items as “Household Hazardous Waste” in accordance to 40 CFR 261.4(b). All household hazardous waste is held in concrete cells with metal roofing. Refer to Drawing S-6 of the 1998 Construction Drawings in Exhibit 1 for HHW storage dimensions. Customers seeking to drop-off universal waste in larger than “household quantities" are directed to Advanced Environmental Solutions in Belen, New Mexico. Mercury-containing items, fluorescent light fixtures, or lamps of any kind are not accepted in any size or quantity at the VLLTS.

Pesticides and aerosols are either repurposed for their intended use at the VLTTS or they are stored in their appropriate outside storage area for 12 months. Once the 12 months have elapsed, the container is punctured in accordance with NMAC 20.4.1.1001. D. 3 and then introduced back into the waste stream and subsequently transferred to the Sandoval or Valencia County Landfills. If the Universal Waste is oil-based, sand will be used to soak up the contents and then the container will be transferred to a landfill. Any used motor oil will be stored in the facility’s used oil depository. Latex paint will be stored outside in its appropriate storage area until it is ultimately collected and hauled away. Both latex paint and used motor oil will be removed and hauled away at least once a year through an independent hauler.

Table 6-1 summarizes the types of HHW accepted at the VLLTS, the storage area for each type, and its ultimate disposal method. Refer to Drawing S-6 in Exhibit 1 for dimensions and layout. The VLLTS acknowledges though, that it shall accept special wastes only when specifically authorized to do so by a permit per 20.9.5.11(A) NMAC.

TABLE 6-1
HOUSEHOLD HAZARDOUS WASTE STORAGE AND DISPOSAL SUMMARY

Waste Type	Storage Area	Ultimate Disposal
Batteries	8’ by 10’, covered with containment curb	Independent hauler collects annually
Pesticides	8’ by 10’, covered with containment curb	Reused on site or depressurized for 12 months, punctured, and mixed with landfill waste stream
Aerosols	8’ by 10’, covered with containment curb, same area	Reused on site or depressurized for 12 months, punctured, and mixed with landfill waste stream
Oil-Based Products	8’ by 10’, covered with containment curb, same area as Paints	Absorbed with sand and transferred to landfill
Motor Oil	8’ by 16’, covered with containment curb	Stored in secondary contained oil depository, independent hauler collects annually, drop off containers transferred to landfill
Latex Paints	8’ by 10’, covered with containment curb, same area as Oil-Based Products	Stored with lid off and transferred to landfill

6.2.2 Alternative Waste Disposal and Handling

Should the VLLTS ever experience a disruption to normal operation or temporary closure due to power outage, inclement weather, hostile threat, or release of hazardous material, the VLLTS will immediately notify collection vehicles to stop transport to the facility and make appropriate arrangements with landfills or other collection centers.

In the event of break-down of transfer station equipment, the VLLTS has enough waste storage capacity for 5-7 days of typical operation. However, other internal Village departments would be able to help contribute equipment to the transfer station should equipment fail such as the backhoe, front end loader, and transportation trucks. If an extended outage were experienced, the Village would contract with a third party to remove waste. Figure 3-2 shows all storage areas with appropriate dimensioning.

6.3 White Goods

The Village of Los Lunas Transfer Station stores all white goods outside in a concrete storage area until they are transferred to either ACME Metal, Pueblo Metals, or Albuquerque Metals by the VLLTS. The VLLTS does not have a trained technician on-site or under contract to remove Freon or any other kind of refrigerant from the white goods that they receive. The refrigerant is left to be handled by any of the listed metal recycling companies. The Transfer Station hauls away white goods one to two times per week depending on the volume received. Figure 3-2 shows all storage areas with appropriate dimensioning.

6.4 Electronic Waste

E-waste is handled and stored in a concrete storage unit adjacent to white goods, scrap metal, and scrap tires. The VLLTS will contact New Mexico Computer Recyclers when holding capacity has been reached, and they will haul away all E-Waste. Figure 3-2 shows all storage areas with appropriate dimensioning.

E-waste items typically recycled at VLLTS include:

- Computers
- Printers
- Monitors
- Televisions
- DVD and VCRs
- Home Phones as well as Cell Phones
- Speakers
- CD Players

6.5 Scrap Metal

Scrap metal and white goods are handled in the same manner by the VLLTS. All scrap metal will be stored outside in a concrete storage area. Once holding capacity has been met by the scrap metal and white goods, they are hauled away by the Transfer Station to either ACME Metal,

Pueblo Metals, or Albuquerque Metals. Figure 3-2 shows all storage areas with appropriate dimensioning.

6.6 Scrap Tires

The majority of tires received come from the Village's fleet cars. No commercial truck or tractor tires will be accepted by the VLLTS- Only passenger vehicle tires are accepted by the Transfer Station. Each residential household is limited to dropping off five tires per calendar year. Scrap tires are stored outside next to the other recyclable material (see Section 3.0) until they are ready to be baled inside the Transfer Station Building. Once the tires are baled, they are typically used for erosion control around the VLLTS. The Village has currently budgeted money for the following year, 2020, for the Transfer Station to rent a tire shredder and shred its entire inventory. As of the submittal of this permit, the Village plans to rent a tire shredder every ten years since the VLLTS receives a relatively low volume of tires annually. The shredded tires will either be introduced into the VLLTS MSW stream or will continue to be used as erosion control around the Transfer Station as well as the Village itself.

6.7 Glass

The Village of Los Lunas Transfer Station has an area designated to grinding and storing glass between the Administration and Transfer Station buildings, as shown previously in Figure 3-2.

Ground stored glass will be mixed into the outgoing waste stream as needed, depending on the volume of glass received, or it will also be repurposed around the facility to mitigate erosion due to wind, runoff, and vehicle traffic. Figure 3-2 shows all storage areas with appropriate dimensioning.

6.8 Green Waste

Tree and yard trimmings, tree branches, tree trunks smaller than 18 inches in diameter, and weeds will be accepted by the VLLTS. The Transfer Station normally does not accept commercial haulers of any kind; however, commercial haulers carrying strictly green waste will be accepted at the

Village of Los Lunas Transfer Station. The green waste will be stored and processed outside. Figure 3-2 indicates the drop off-location of green waste as well as the storage location. Refer to the Exhibit 3 Composting Operations Plan for additional information.

6.9 Recyclable Materials

The Village does not offer curbside collection of commingled recycled waste, but recycle collection waste bins are distributed throughout the Village in publicly accessible locations and are collected regularly. Recyclable materials accepted at the Transfer Station are stored in bins, according to their material, on the south side of the property and hauled off by a third-party hauler. The Transfer Station does not sorts Commingled Recycled Waste. If residents bring Commingled Recycled Waste to the VLLTS, they will be asked to sort the recycled waste themselves into the appropriate recycle container where they are stored on-site. The VLLTS only accepts #1 and #2 plastics as well as non-wax/non-pizza box cardboard. Plastic and cardboard are processed in a confined area that is separated from the tipping floor that does not interfere with transfer operations as seen in Figure 3-1 in Exhibit 4. See Section 5.1 for a full list of accepted recycled goods and Section 3.1 for a site plan with locations for recyclable material holding areas.

6.10 Waste Monitoring and Inspection

In accordance with Paragraph (2) of Subsection B of 20.9.5.8 NMAC, the Village of Los Lunas will implement a plan approved by NMED to inspect loads to detect and prevent the disposal of unauthorized and harmful waste at the Transfer Station. The VLLTS currently inspects one load per day as that is greater than 1% of incoming loads per day. The Waste Screening and Inspection Plan is provided in Exhibit No. 4: Waste Screening and Inspection Plan.

6.11 Contingency Plan

The Village of Los Lunas will implement a plan, approved by NMED, which details actions to be taken in the event of emergencies or receipt of unauthorized waste or materials. The Contingency Plan is included in Exhibit No. 6. Copies of the Contingency Plan are located at the Fire Station, Village of Los Lunas Main Office, as well as on-site in the Administration Building.

7.0 FACILITY MAINTENANCE

Facility maintenance is critical to the operational efficiency and effectiveness of the Village of Los Lunas Transfer Station. Minimizing litter, dust, pest infestation, and any other form of nuisance and/or harm to the environment is of utmost importance at the VLLTS. Scheduled maintenance and cleaning is conducted on a daily, weekly, and monthly basis as outlined in the Facility Maintenance Checklist, which is included in Appendix D.

7.1 Litter Control

All unloading of waste by the SWD is done inside an enclosed building to control litter. All vehicles entering the facility are required to adequately cover and contain their loads to prevent debris and waste from blowing out of the hauling vehicle during transit. Any individuals who enter the facility without covering their load will be prompted to do so on their next trip. A chain link fence runs the perimeter of the VLLTS facility in order to help catch any litter and prevent unwanted waste from traveling outside the premises. The fence is monitored and cleaned daily.

7.2 Dust Control

Dust is controlled inside the Transfer Station Building by exhaust fans. The tipping floor is swept and/or washed daily to prevent an accumulation of dust and fine particles. Roads and areas of high traffic are either paved or covered in asphalt millings to limit the amount of dust produced.

7.3 Odor Control

To help control odors, the tipping area is located inside the Transfer Station Building. Regular cleaning of the tipping area and inside the building is conducted to minimize odor and provide a clean and sanitary work environment. Waste is compacted into transport vehicles and removed daily to minimize the spread of odor within the building. Un-compacted waste is not permitted to be in the building for an extended period of time.

7.4 Noise Control

The nearest residence is located nearly half a mile to the southwest of the Village of Los Lunas Transfer Station Building. Little to no noise generated by the Transfer Station will be audible at that distance. Furthermore, tipping activities for municipal solid waste are confined to the inside of the Transfer Station Building to further reduce noise nuisance. Processing of green waste and glass is restricted to the normal operating hours, as specified in Section 3.4. If noise from the VLLTS becomes a problem, alternative practices and procedures will be explored in order to minimize noise; however, there is no indication that noise will become a problem in the future.

7.5 Vector Control

Vectors are controlled by regularly cleaning the inside and outside of the Transfer Station Facility as well as continual monitoring of outside storage areas containing White Goods/Scrap Metal, Scrap Tires, and Green Waste. These areas offer easy dwellings for pests and insects because of the available space within the waste pile and the time that these waste materials are stored on-site. The VLLTS strives to minimize the amount of time that MSW is stored on-site in order to minimize the potential for infestation. A pest control company will be contracted to control pests as needed.

7.6 Accident Prevention

Potential sources of spills, leaks, or releases at the facility include vehicles, equipment, and incoming waste to the Transfer Station. Preventative actions include regular inspection and maintenance of equipment and facilities on-site, as well as proper safety training. Staff safety and emergency drills/training take place on, but are not limited to, an annual basis. It is at the discretion of the Transfer Station Supervisor to schedule additional safety drills/training if the need arises. All personnel are trained on how and when to implement the various contingency plans as well, as laid out in Exhibit No. 6.

7.7 Storm and Wastewater Management

The collection and transport vehicles are designed to retain liquids acquired during the collection of waste. Liquids discharged into the tipping area will be washed into a floor drain and discharged to the holding/evaporation pond. This pond holds approximately 6,000 cubic feet (449,000 gallons) of water. The site is graded so that storm water does not flow into the pond.

The Transfer Station also has a secondary drain system that diverts storm water away from areas that store or process waste material. All plumbing on-site is connected to a septic tank and leach field. See Figure 7-1 for the location of the holding/evaporation pond, as well as the location of the septic tank and leach field.

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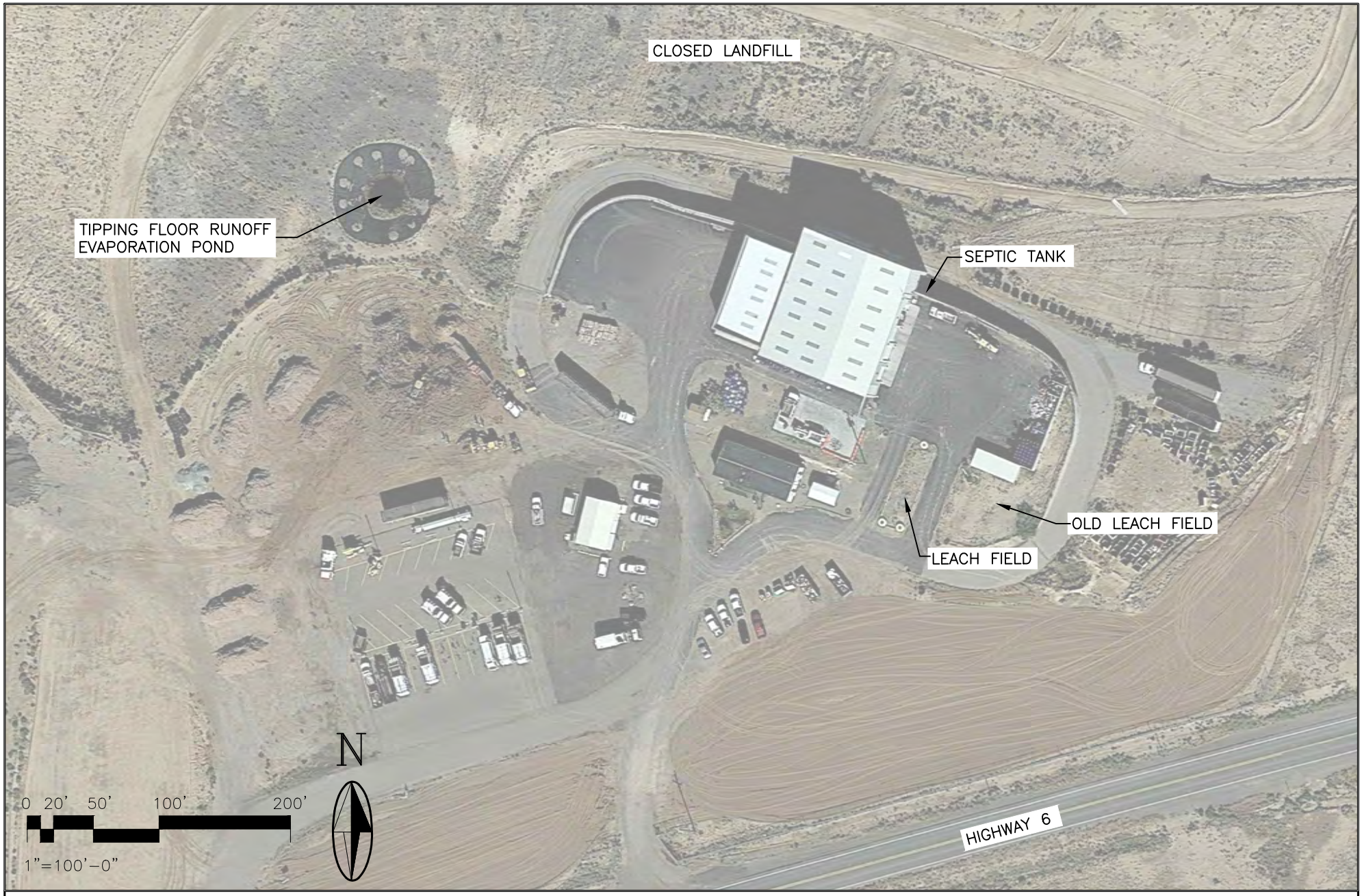
DWG. NAME: Evaporation Pond Septic Leach Field Location. 7-1.dwg



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

MOLZENCORBIN

FIGURE 7-1

EVAPORATION POND, SEPTIC, AND LEACH FIELD LOCATION

8.0 HEALTH AND SAFETY PROVISION

Employees at the Village of Los Lunas Transfer Station are be trained in safe work habits, hazard recognition, and hazard avoidance. Periodic safety meetings and facility inspections are to be conducted to maintain safety awareness. As part of the training program, management will instill in the employees the importance of observing the required safety precautions administered at the facility. Safety data sheets (SDS) for all chemicals anticipated to be encountered on site are kept in clearly marked and labeled areas inside the Transfer Station and Staff Administration buildings. See Appendix E for the SDS Table of Contents.

The Contingency Plan (Exhibit No. 6) discusses the procedures to be implemented when an emergency situation occurs. Copies of the Contingency Plan are readily accessible to employees on duty.

8.1 Personal Protective Equipment

Table 8-1 lists all personal protective equipment that are required, as well as protective equipment that is worn during various tasks and duties.

TABLE 8-1
RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

Description	Protective Equipment Required to Wear
Inside the Transfer Station Building/ Tipping Floor	Hard hat, high visibility safety vests, work gloves, safety glasses, steel toed boots, N-95 dust mask if applicable (not required, though).
Collection Truck Drivers	High visibility safety vests, steel toed boots, work gloves if outside of vehicle.
On Site (Green waste area, etc.)	High visibility safety vests, steel toed boots, work gloves if handling any material. Safety glasses if applicable.
Tree Chipping	Hard hat, high visibility safety vest, work gloves, safety glasses, steel toed boots, N-95 dust mask, and hearing protection if available
Glass Grinding	Long sleeve clothing, work gloves, hard hat, high visibility safety vest, safety glasses, and steel toed boots.
Tire Baling	High visibility safety vest, work gloves, safety glasses, steel toed boots, and hearing protection.
Cardboard Baling	High visibility safety vest, work gloves, safety glasses, steel toed boots, and hearing protection.
Backhoe/Bobcat Operator	High visibility safety vest, safety glasses, steel toed boots, work gloves and hard hat if outside of machine.

In general, the following PPE is required of all personnel working outside the Administration Building:

- Hard Hats
- Safety Glasses
- Leather Work Gloves
- High-Visibility Safety Vests
- Steel-Toed Shoes

Additional PPE that may be used for specific tasks include:

- Hearing Protection
- Heavy-Duty Work Coveralls
- Goggles or Full-Face Shield
- N-95 Particulate Respirator (Dust Mask)

8.2 Safety Procedures

New hires will be trained in safety procedures and protocols immediately and will also receive the VLLTS Operation and Safety Manual upon being hired. Annual safety training is required for all personnel, along with monthly training provided by the Village. It is important to note that not all safety and emergency instances will be able to follow the contingencies in place verbatim. It is the responsibility of the Transfer Station Personnel to be able to apply safety protocol when applicable, but also to be able to make judgement calls that are unique to individual situations.

8.3 Personnel Safety Training Plan

The VLLTS personnel are required to attend monthly safety classes put on by the Village of Los Lunas in addition to annual safety training that is provided by the Transfer Station. Transfer Station staff and personnel are not limited to these two instances for safety and health training. Should an accident, spill, or other emergency situation occur at the VLLTS, management will provide training and review of the incident to provide an opportunity to learn from the incident and how to prevent it in the future. General safety and health training topics for the VLLTS are:

- Proper use of personal protective equipment
- Safety equipment for equipment operation
- Fire prevention
- Tipping floor practice and safety

9.0 DOCUMENTS, RECORD KEEPING, AND REPORTING

9.1 Documentation

Complete operating records for the current month and previous 12 months will be maintained by on-site personnel and filed at the transfer station facility and at the main office of the Village of Los Lunas. These records will document the monitoring of waste processed at the facility, in conjunction with the requirements of 20.9.5.16 NMAC.

9.2 Annual Reports and Summary

In compliance with 20.9.5.16 D NMAC, the VLLTS will submit annual reports to the NMED. The Annual Report is discussed in Exhibit No. 11 – Required Operating Records and Annual Report.

9.3 Event Notification

The Village of Los Lunas Transfer Station shall notify NMED, both orally and in writing, within 24 hours of an occurrence of a spill, fire, flood, explosion, mass movement of waste, or similar event.

Upon the discovery of the receipt of unauthorized waste, the Village of Los Lunas Transfer Station shall notify NMED, the hauler, and the generator in writing within 48 hours.

APPENDIX A

FACILITY PERSONNEL

APPENDIX A
FACILITY PERSONNEL

Job Title	Brief Job Description & Duties
Solid Waste Superintendent	The Solid Waste Superintendent, under direct supervision of the Public Works Director, plans, directs and manages the operation/maintenance and activities of the Solid Waste Div.
Solid Waste Supervisor	Under general supervision, oversees and coordinates solid waste operations and activities including refuse collection, transfer operations and recycling operations; supervises assigned personnel.
Assistant Solid Waste Supervisor	Under direct supervision of the Solid Waste and Recycling Supervisor provides assistance in overseeing and coordinating Solid Waste operations and activities including refuse collection, transfer operations and recycling operations; supervises assigned personnel.
Transfer Station Operator	Under general supervision, performs a variety of functions in relation to Transfer Station Operations. Coordinates and monitors the dumping of solid waste at the Transfer Station; ensures compliance with safety and environmental regulations;
Transfer Station Driver	Under direct supervision, operates trucks and heavy equipment utilized in Transfer Station. Transfers solid waste/recycling materials to designated landfills and/or recycling facilities; prepares solid waste disposal documentation as required.
Commercial Driver	Under direct supervision of the Solid Waste Supervisor, performs a variety of unskilled and semi-skilled work, and operates a variety of equipment, in the collection of solid waste. Operates truck in picking up solid waste containers, including recyclables or yard waste as assigned, and depositing the containers into a collection vehicle, and returning containers to the prescribed area.
Residential Drivers	Drives a collection vehicle over a designated route, operates automated trucks in picking up solid waste containers, including recyclables or yard waste as assigned, and depositing the containers into a collection vehicle, and returning containers to the prescribed area.
Laborers	Under direct supervision of the Solid Waste Supervisor performs a variety of functions and operates equipment used for recycling. Collects and recycles various items including paper, plastic, metal, and aluminum and tree branches. Sorts, bails and recycles cardboard.
Mechanic	Under the direct supervision of the Solid Waste Supervisor performs a variety of mechanical, electrical, and technical maintenance duties on transfer station machinery, equipment, and buildings.

Name	ID #	Certifications	Expiration Date
Jason Marquez	2381	Transfer Station Operator	11/24/2019*
		Recycling Operator	1/8/2019*
		Composting Operator	4/19/2021
Arturo Romero	2569	Transfer Station Operator	6/27/2019*
		Recycling Operator	6/3/2019*
		Composting Operator	4/19/2021
Joshua Chavez	3265	Recycling Operator	1/8/2022
		Composting Operator	10/24/2021
		Transfer Station Operator	6/14/2022
William J Minier	2629	Recycling Operator	7/17/2021
		Composting Operator	10/24/2021
Juan D. Baca-Luna	4620	Recycling Operator	8/7/2021
Daniel Chavez	3500	Transfer Station Operator	7/10/2022
		Recycling Operator	5/17/2022
Craig Byers	4642	Composting Operator	4/19/2021*
Oscar Diaz	4681	Composting Operator	10/24/2021
Jacob Lovato	4682	Composting Operator	10/24/2021
Jesus M Montoya	4483	Transfer Station Operator	6/3/2019*
		Recycling Operator	7/21/2019*

*Due to COVID-19 Pandemic, all personnel with expired certifications are on waiting list to renew certification with NMED and New Mexico Recycling Coalition once training resumes. All expired Certifications are still active with NMED and New Mexico Recycling Coalition.

APPENDIX B

FACILITY EQUIPMENT LIST

APPENDIX B
FACILITY EQUIPMENT LIST

Equipment/Machinery Description	Village ID Number	Manufacturer	Vehicle Identification Number(VIN)
Ford F-350	SW-1	Ford	C37518
Dodge Ram	SW-2	Dodge	G832449
Fuel Truck	SW-3	Dodge	G832448
Dodge Ram**	SW-4	Dodge	M555405
Backhoe	SW-24	John Deere	G950343 (310SG)
Sideloader	SW-6	Peterbuilt	D715972
Sideloader	SW-17	GMC	F401827 (T-7500)
Sideloader	SW-8	GMC	J513329 (T-6500)
Front Loader	SW-13	Volvo	R725067
Bin Truck	SW-15	Chevy	J525079
Commercial Front Loader	SW-14	Volvo	N239963
Commercial Front Loader	SW-18	Autocar	H203830
Commercial Front Loader	SW-19	Peterbuilt	D716553
Dump Truck	SW-9	Chevy	V511345
Flat Bed**	RE-1	Chevy	E204177
Glass Crusher	SW-58	Cemco	6835986
Maintenance Truck	SW-59	Chevy	1GBKC34J3TJ106532
Wood Chipper	SW-23	Bandit	1619 (Model 1890)
Wood Grinder	SW-61	Morbark 2600	
Tire Baler	SW-26	Eagle Baler	806990
Trailer	TS-1	McClain	1M9BD482112309005
Trailer	TS-2	McClain	1M9BD482312309006

Equipment/Machinery Description	Village ID Number	Manufacturer	Vehicle Identification Number(VIN)
Trailer	TS-3	McClain	1S9WS4724WS188772
Trailer	TS-4	McClain	
Semi	TS-3	Peterbuilt	D281008
Semi	SW-21	Freight Line	K93646
Semi	SW-56	Volvo	S521330
Bobcat	SW-25	Bobcat	514443514 (Model 863)
Bobcat	SWR-2	Bobcat	514451161 (Model 863)
Crawler	SW-22	John Deere	D877295 (Model 655B)
disposing	SW-16		S242798
Trailer	TS-5	Travis	48XAR4822K1013529
Semi	SW-57	Freightliner	3AKJGNDR5HDJF0960
Skid Steer	SW-60	Case	(SR240 Loader) JAFSR240CGM422231
Rear Loader	SW-63	Peterbuilt	3BPPHM6X8GF590950
Backhoe	SW-64	John Deere 310SL	1T0310SLPJF328970
Paper Shredder	SW-65	Pro-Tainer	52LBE1824JE069908
Power Washer	SW-66	Landa	PGDC5-35224E
Grapple Truck	SW-62	Prentice 2124	FB9098-04-08
Service Truck	SW-59	Chevy	1GBKC34J3TJ106532
Flat Bed	SW-67	Chevy	1GB1KUEG0JF243213
4-Door Pickup	SW-68	GMC	3GTU2LEC7JG293876
Baler	SW-69	American Baler	(W409D) 9755
Commercial Front Loader	SW-59	Mack	1M2AV04C1GM014711
Sideloader	SW-27	Mack	1M2AU04C1GM010208
Sideloader	SW-28	Mack	1M2AU04C5GM010311

**Piece of equipment is currently being phased out of usage at the VLLTS.

APPENDIX C

FACILITY MAINTENANCE CHECKLIST

APPENDIX C
FACILITY MAINTENANCE CHECKLIST

	Name of Piece of Equipment/Machinery	Daily Maintenance & Upkeep	Weekly Maintenance & Upkeep	Monthly Maintenance & Upkeep
SW-1	Ford F-350	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-2	Dodge Ram	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-3	Dodge Ram/Fuel Truck	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-4	Dodge Ram**	N/A	N/A	
SWR-1	Backhoe**	N/A	N/A	
SW-24	Backhoe	Inspection / Top-off Fluids	Grease Articulation points Loader and Back-hoe/ Clean radiator screen	PM Service as needed Every 250 hours
SW-6	Sideloader	Inspection / Top-off Fluids/ Grease Cart, Clamps/ Empty Clean-out	Grease packer points/ Wash Complete Unit	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-17	Sideloader	Inspection / Top-off Fluids/ Grease Cart, Clamps/ Empty Clean-out	Grease packer points/ Wash Complete Unit including cargo bay	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-8	Sideloader	Inspection / Top-off Fluids/ Grease Cart, Clamps/ Empty Clean-out	Grease packer points/ Wash Complete Unit including cargo bay	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-13	Front Loader	Inspection / Top-off Fluids/Grease Forks/ Wash Canopy, Cab	Wash Complete Unit including cargo bay, under cab, under body	PM Service as needed Every 10,000 miles (Filters, Fluids, Brakes)
SW-15	Bin Truck	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-14	Commercial Front Loader	Inspection / Top-off Fluids/Grease Forks/ Wash Canopy, Cab	Wash Complete Unit including cargo bay, under cab, under body	PM Service as needed Every 10,000 miles (Filters, Fluids, Brakes)

	Name of Piece of Equipment/Machinery	Daily Maintenance & Upkeep	Weekly Maintenance & Upkeep	Monthly Maintenance & Upkeep
SW-18	Commercial Front Loader	Inspection / Top-off Fluids/Grease Forks/ Wash Canopy, Cab	Wash Complete Unit including cargo bay, under cab, under body	PM Service as needed Every 10,000 miles (Filters, Fluids, Brakes)
SW-19	Commercial Front Loader	Inspection / Top-off Fluids/Grease Forks/ Wash Canopy, Cab	Wash Complete Unit including cargo bay, under cab, under body	PM Service as needed Every 10,000 miles (Filters, Fluids, Brakes)
SW-9	Dump Truck	Inspection / Top-off Fluids	Wash complete unit including dump bed	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
RE-1	Flat Bed**	N/A	N/A	
SW-58	Glass Crusher	Inspection	N/A	
SW-23	Wood Chipper	Inspection /Top-off Fluids/ Grease feed roller bearings, Drum bearings	Check anvil gap 1/8"(adjust as needed)	PM Service as needed Every 250 hours
SW-61	Wood Grinder	Inspection /Top-off Fluids/ Grease feed roller bearings, Drum bearings/ Clean radiator screen	N/A	PM Service as needed Every 250 hours (Filters, Oil) Replace hydrostatic oil Every 500 hrs.
SW-26	Tire Baler	Inspection	N/A	PM Service as needed Every 250 hours
TS-1	Trailer	Inspection	N/A	
TS-2	Trailer	Inspection	N/A	
TS-3	Trailer	Inspection	N/A	
TS-4	Trailer	Inspection	N/A	
RE-1T	Trailer	Inspection	N/A	
RE-2T	Trailer	Inspection	N/A	
TS-3	Semi	Inspection / Top-off Fluids	Grease 5th wheel, Check hydraulic hoses and fittings	
SW-21	Semi	Inspection / Top-off Fluids	Grease 5th wheel, Check hydraulic hoses and fittings	

	Name of Piece of Equipment/Machinery	Daily Maintenance & Upkeep	Weekly Maintenance & Upkeep	Monthly Maintenance & Upkeep
SW-56	Semi	Inspection /Top-off Fluids	Grease 5th wheel, Check hydraulic hoses and fittings	
SW-25	Bobcat	Inspection / Top-off Fluids	Grease articulation points, Bobtach/ wash down	PM Service as needed Every 250 hours (Filters, Oil) Replace hydrostatic oil Every 500 hrs.
SWR-2	Bobcat	Inspection / Top-off Fluids	Grease articulation points, Bobtach/ wash down	PM Service as needed Every 250 hours (Filters, Oil) Replace hydrostatic oil Every 500 hrs.
SW-22	Crawler	Inspection / Top-off Fluids	Grease articulation points, Wash down	PM Service as needed Every 250 hours (Filters, Oil) Replace hydrostatic oil Every 500 hrs.
TS-5	Trailer	Inspection	N/A	
SW-57	Semi	Inspection / Top-off Fluids	Grease 5th wheel, Check hydraulic hoses and fittings	
SW-60	Skid Steer	Inspection / Top-off Fluids	Grease articulation points, wash down	PM Service as needed Every 250 hours (Filters, Oil) Replace hydrostatic oil Every 500 hrs.
SW-63	Rear Loader	Inspection / Top-off Fluids	Grease packer/ Tailgate, Wash down	PM Service as needed Every 15,000 miles (Filters, Fluids, Brakes)
SW-64	Backhoe	Inspection / Top-off Fluids	Grease Articulation points Loader and Back-hoe/ Clean radiator screen	PM Service as needed Every 250 hours (Filters, oil,) Change hydraulic oil Every 500 hrs
SW-65	Paper Shredder	Inspection	N/A	
SW-66	Power Washer	Inspection / Top-off Fluids	Clean water supply screen, hoses	PM Service as needed Every 250 hours (Filters, Oil)
SW-62	Grapple Truck	Inspection / Top-off Fluids	Grease articulation points, Wash complete	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)

	Name of Piece of Equipment/Machinery	Daily Maintenance & Upkeep	Weekly Maintenance & Upkeep	Monthly Maintenance & Upkeep
SW-59	Service Truck	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-67	Flat Bed	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-68	4 Door Pickup	Inspection / Top-off Fluids	N/A	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes)
SW-69	Baler	Inspection /Grease conveyor bearings	N/A	
SW-59	Commercial Front Loader	Inspection / Top-off Fluids/Grease Forks/ Wash Canopy, Cab	Wash Complete Unit including cargo bay, under cab, under body	PM Service as needed Every 10,000 miles (Filters, Fluids, Brakes) Replace hydraulic oil Every 500 hrs.
SW-27	Sideloader	Inspection / Top-off Fluids/ Grease Cart, Clamps/ Empty Clean-out	Grease packer points/ Wash Complete Unit	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes) Replace hydraulic fluid Every 500 hrs.
SW-28	Sideloader	Inspection / Top-off Fluids/ Grease Cart, Clamps/ Empty Clean-out	Grease packer points/ Wash Complete Unit	PM Service as needed Every 6,000 miles (Filters, Fluids, Brakes) Replace hydraulic fluid Every 500 hrs.

**Piece of equipment is currently being phased out of usage at the VLLTS.

APPENDIX D

UNAUTHORIZED WASTE TRAINING

APPENDIX D

UNAUTHORIZED WASTE TRAINING OUTLINE

Hazardous Waste (subject to regulation under Subtitle C, RCRA)

Indicators of possible hazardous waste: Placards, manifests, warning labels – "Dangerous," etc., unusual chemical odors or leaking substances, chemical bottles/containers (w/skull & crossbones, etc.), laboratory or research center waste, old fluorescent tubes (possible mercury), lead acid batteries, battery cables protruding from load.

Special Waste (as defined in 20.9.2.7.S(13) NMAC – has unique handling, transportation & disposal requirements)

Treated Formerly Characteristic Hazardous Waste (TFCH)

Indicators: Depends upon substance or material, look for manifests, treatment certifications, etc., if none, waste may still be hazardous.

Packing House and Killing Plant Offal

Indicators: Animal carcasses/organs, blood, strong smelling fluids, flesh-like materials.

Regulated Asbestos Waste (includes friable material that will crumble with hand pressure, or material that has become regulated due to high probability of, or actual, abrasion, cutting, breaking, pulverizing, etc.)

Indicators: Taped plastic bags, double bags, warning labels, old acoustical ceiling tile or spray-on material, old crumbling asphalt shingles, broken or cut asbestos-cement water pipe or siding, broken floor tiles and impacted mastic (make the generator confirm status before you accept the waste), unidentified powdery substances, asbestos waste is often generated at renovation and demolition projects.

Ash

Indicators: Generated by municipal solid waste incinerators, pathological/medical incinerators, fugitive emissions may result if not properly containerized, often containerized in drums.

Infectious Waste

Indicators: Medical waste, sharps containers, biohazard (red & orange) bags with labels, needles (acupuncture) and syringes, vials, test tubes, bloody linen and gauze (saturated), used latex gloves, human or animal tissues, may begin to smell if not refrigerated.

Sludge

Indicators: Wastewater treatment plant sludge has distinctive odor, usually dark colored, may be moist, other sludge (such as plating company sludge) may be hazardous waste.

Industrial Solid Waste (from manufacturing/industrial processes, but not hazardous under Subtitle C, RCRA)

Indicators: Industrial by-products (waste), metal shavings, pulps, waste streams from manufacturing plants.

Spill of Chemical Substance or Commercial Product

Indicators: Depends upon the nature of the product, refer to MSDS and manifests, some may ignite when wetted.

Petroleum Contaminated Soils

Indicators: May have a strong diesel or gasoline smell, bulk soils, waste from gas station or petroleum spill, often associated with a trucking accident, underground storage tank removal or abatement project.

Other Unauthorized Waste

TSCA Regulated Waste (primarily polychlorinated biphenyls—PCBs)

Indicators: Old fluorescent light fixtures with ballasts, especially if not labeled "non PCB," old transformer/capacitor equipment (check labeling), certain used oil/petroleum products.

Bulk or Non-Containerized Liquids

Indicators: Liquids, to include used motor oil or other petroleum products, PLEASE NOTE—liquid household waste, other than septic waste, in small containers normally found in household waste and designed for use other than storage, is allowed in the landfill, even if hazardous; however, your company policy and/or landfill policy may restrict such waste.

Low Level Radioactive Waste

Indicators: Often generated as medical or laboratory waste, look for labels indicating "radioactive I, II, III," and so forth.

_____
Printed Name

_____ _____
Signature Date

APPENDIX E

SAFETY DATA SHEETS
TABLE OF CONTENTS

Table of Contents

- Mercury spill kit
- A-6 detergent
- x-15 degreaser
- de-icer
- Contact cleaner
- Foam
- Super glue
- Starting fluid
- Degreaser
- Hand soap
- Bleach
- Paint in gallons
- Krud kutter
- Hydraulic fluid
- Wipeout
- Cleaner/degreaser
- Gasoline
- Varnish
- Liquid wrench
- ATF
- 4cqplus
- Action
- Fire extinguisher msds
- Aerosol msds
- Transfer station msds
-

APPENDIX F

TRAINING ATTENDANCE FORM

Training Attendance Form

Title of Training	Name of Trainer	Names of Attendees	Attendee signature line	Date of Training

Training Attendance Form

APPENDIX G

TRANSPORTATION
ROUTE COORDINATION

September 16, 2019

Mr. Tom Kratochvil
Assistant District Engineer-Maintenance
New Mexico Department of Transportation
P.O. Box 91750
Albuquerque, New Mexico 87199-1750

RE: Village of Los Lunas Transfer Station
Permit Modification and Renewal Application

Dear Mr. Kratochvil:

The Village of Los Lunas is in the process of modifying and renewing our transfer station's Solid Waste Permit. As part of that effort, we are required to submit evidence of correspondence with owners of roads along the waste disposal transportation path regarding the suitability of roads used by Village vehicles. I am writing to you today requesting that you confirm that the roads owned by New Mexico Department Transportation (NMDOT) along the transportation path taken by Village vehicles are suitable for this use.

Currently, the Village's transfer trucks deliver solid waste to the Sandoval County Landfill for disposal via NM 6: From MP 28.8 to MP 33
I25: From MP 203 (Exit 203; NM 6) to MP 243 (Exit 242; US 550/NM 165)
US 550: From MP 0 to MP 3.5 NM 347 (Paseo del Volcan (PDV))
NM 347 (PDV): From 29.5 (US 550) to MP 25.43 (Iris).

It is our understanding that the NMDOT owns and is responsible for the maintenance of these roads. The trucks are tractor trailer type with a Gross Vehicle Weight Rating of 68,000 pounds and are weighed prior to departure from the Transfer Station to ensure that they do not exceed this rating. On average, two of these trucks travel to the Sandoval County Landfill on a daily basis Monday through Friday.

Please do not hesitate to contact me if you have any questions regarding this letter. We respectfully request your reply by October 4, 2019.

Sincerely,

VILLAGE OF LOS LUNAS

Michael Jaramillo
Public Works Director

New Mexico DEPARTMENT OF TRANSPORTATION

January 7, 2020

Michael C. Jaramillo, MPA
Public Works Director; Village of Los Lunas
660 Main Street, NW
P.O. BOX 1209
Los Lunas, NM 87031

Mr. Jaramillo,

I am in receipt of your request dated September 16, 2019, on behalf of the Village of Los Lunas, to address the suitability of various NMDOT's roadways from your Transfer Station facility, located on NM 6 near Mile Post 28.3, to the to the Sandoval County Landfill, located in the City of Rio Rancho on the Iris Rd. NE.

NMDOT recognizes that the Village of Los Lunas has been transferring solid waste between the two listed locations for some time. As stipulated in your letter, the Village's two, on an average, tractor trailer trucks per day with vehicle weight rating of 68,000 pounds use the following routes:

NM 6: From MP 28.8 to MP 33

I25: From MP 203 (Exit 203; NM 6) to MP 243 (Exit 242; US 550/NM 165)

US 550: From MP 0 to MP 3.5 NM 347 (Paseo del Volcan (PDV))

NM 347 (PDV): From 29.5 (US 550) to MP 25.43 (Iris).

The section of NM 6 used by your tractor trailer trucks is to be reconstructed in very near future to extend and enhance the load carrying capacity of the roadway. All the other roadway segments you have referenced are suitable to carry all legal loads in compliance with NM State laws and regulations. Additionally, your projections of two tractor trailers trucks per week-day does not raise much of a concern in regards to total traffic volumes on the road segments listed.

In conclusion, NMDOT has no objection to the continued use, as described above, of the listed the road segments from the Los Lunas Transfer Station to the Sandoval County landfill traffic.

Please contact me at (505) 934-0354 if you have additional questions or concerns.

Regards,

Thomas Kratochvil, PE;
NMDOT, District 3, Assistant District Engineer

Xc: Jill Mosher, PE; NMDOT District 3 Assistant District Engineer

January 04, 2020

Mr. Mark Hatzenbuhler
Public Works Director
Sandoval County New Mexico
P.O. Box 40
Bernalillo, New Mexico 87004

RE: Village of Los Lunas Transfer Station
Permit Modification and Renewal Application

Dear Mr. Hazenbuhler:

The Village of Los Lunas is in the process of modifying and renewing our transfer station's Solid Waste Permit. As part of that effort, we are required to submit evidence of correspondence with owners of roads along the waste disposal transportation path regarding the suitability of roads used by Village vehicles. I am writing to you today requesting that you confirm that the roads owned by Sandoval County along the transportation path taken by Village vehicles are suitable for this use.

Currently, the Village's transfer trucks deliver solid waste to the Sandoval County Landfill for disposal via Paseo del Volcan and Iris Road Northeast. It is our understanding that the County owns and is responsible for the maintenance of these roads. The trucks are tractor trailer type with a Gross Vehicle Weight Rating of 68,000 pounds and are weighed prior to departure from the Transfer Station to ensure that they do not exceed this rating. On average, two of these trucks travel to the Sandoval County Landfill on a daily basis Monday through Friday.

Please do not hesitate to contact me if you have any questions regarding this letter. We respectfully request your reply by January 9, 2020.

Sincerely,

VILLAGE OF LOS LUNAS

Michael Jaramillo
Public Works Director

DB:pel

APPENDIX H

VLLTS TRAINING MATERIAL

Solid Waste Division
Automatic Gate Policy & Procedure

1. When opening gate make sure both gates are clear of any obstructions
2. Before pressing any buttons unlock the chain
3. Secure chain to one side of either gate
4. Press button to open gate
5. Wait till gate is fully open before proceeding
6. When closing gate make sure both gates are clear of any obstructions
7. Press button to close
8. Wait until gate has fully closed before approaching to avoid being crushed by gate
9. Secure gate with chain and padlock
10. If for any reason the gate should malfunction use other gate and notify a supervisor

Failure to follow these procedures may result in disciplinary action!!!!!!!!!!

THE AMERICAN BALER COMPANY
P.O. BOX 29
800 E. CENTER STREET
BELLEVUE, OHIO 44811
419/483-5790
Fax: 419/483-3815

The following personnel received the above training.

Printed Name	Signature	Date
Joshua Chavez		9-30-15
Jason Marquez		9-30-15

Customer Name: Village of Los Lunas Transfer Station

Model # W409-830D **S/N#** 9755

Dealer Name: _____

Printed Name of Start-up Tech: Bryan Hartman

Signature of Start-up Tech: _____ **Date:** 9-30-15

THE AMERICAN BALER COMPANY
P.O. BOX 29
800 E. CENTER STREET
BELLVUE, OHIO 44811

Training guide for American baler products

To maximize standardization of training for baler personnel, the following baler start-up training guideline has been prepared. Please read all material carefully.

This form must be completed and returned to the American baler service department.

WARNING

- Always Lockout/Tagout the baler before working on or in the baler, conveyor, or air feed system or any other related equipment.
- Never walk on the feed conveyor without locking out and tagging out the baler.

Check off each item as training is completed

1.Baler safety and operational guidelines:

Before operating the baler for the first time, it is required that all operators read and understand the operation and safety section of the baler manual.

☑ The Operators must always have regular access to the Manual.

☑ Always check safety cover before operation.

☑ No one under the age of 18 years of age is allowed to operate the baler or its systems.

☑ All operators must understand and follow OSHA requirements for LOCKOUT\TAGOUT.

☑ The proper procedure to work on the baler is to stop the baler turn off and remove the safety key and use OSHA lockout/Tagout procedures.

☑ Be conscious of baler operation sounds to identify a potential problem.

☑ Always be aware of your surrounding and respect the baling equipment. Accidents can be avoided.

☑ Keep a clean and uncluttered work area on and around the baler equipment.

☑ There should always be a lead operator when more than one person is running a baler.

2.The walk around for startup operations:

☑ Walk around the baler and point out what to check prior to starting the baler.

☑ Check to make sure there is no Lockout/Tagout on the baler

☑ Insure that the main power disconnect has been safely turned back on.

☑ Check oil levels in the sight glass. It must be in the upper half of the sight glass. (refer to the hydraulic section in the manual).

☑ Check the status of the baling wire for any cracks, wear and tear, or any other imperfections.

☑ Check all safety guards are in place:
- ☑ Hopper door guard closed
- ☑ Insure the main cylinder and side cylinder guards are in place.
- ☑ E-stop switches are released
- ☑ Tier guard and offside guard safety switches are engaged.

NEVER ENTER ANY PART OF THE BALER WITHOUT AUTHORIZATION AND PROPER LOCKOOUT/TAGOUT PROCEDURES!!

3.The baler: A overview of general baler parts and there functions:

- ☑ Overview of baler parts: ☑ Electrical ☑ Mechanical ☐ Hydraulics
- ☑ Understand the potential for injuries in electrical, mechanical, and hydraulics.
- ☑ Overview of baler operation: ☐ Startup ☐ Normal operation
- ☑ Understand alarms
- ☑ Understand how to stop the machine in an emergency
- ☑ Understand safety switches and there functions.
- ☑ Understand touch screen operations and parameter changes
- ☑ Understand correct operating sequence and controls
- ☑ Understand how to change bale grades and there parameters
- ☑ Understand manual operation
- ☑ Understand automatic operation
- ☑ Understand wire tier operations both in automatic and manual
- ☑ Understand proper conveyor controls and operation
- ☑ Understand pinch points
- ☑ Understand proper procedures for inspecting hoses for hydraulic leaks, wear and chafing.
- ☑ Understand safety for proper disposal of oil from leaks or from changing the filter.
- ☑ Baler should be routinely inspected and properly maintained.
- ☑ Stress the importance of cleaning around and on the baler, especially behind the platen.

4.Maintenance: Maintenance as function of safe baler operation

- ☑ Understand the preventive maintenance schedule in the owner manual.
- ☑ Understand how to maintain daily inspections and adjustments
- ☑ Understand how to maintain weekly inspections and adjustments
- ☑ Understand how to maintain monthly inspections and adjustments
- ☑ Understand how to maintain annual inspections and adjustments
- ☑ Understand how to repair and stop oil leaks when they occur

When baling and switching between different materials make sure all materials being baled are completely loaded from floor.

- Once all materials have passed through the conveyor belt and into hopper
- Turn off conveyor belt
- Make last bale of said materials
- If bale is not big enough run tie cycle only when running plastic
- Once bale is pushed out switch into hand mode
- If there is still materials in the hopper bring back injection ram and main ram then run again to have all materials pushed out
- Get into skid steer and proceed with next steps
- Remove bale carefully with skid steer, making sure not to bust any of the wires or hit baler
- Bring back ejection ram slightly just enough so you can clean out materials
- Once has been cleared from machine turn off machine(leave the tier door open)
- Clean all materials that are left in entry way (use broom or air wand)
- Once all material has been removed and you have cleaned around tier and pad next
- Turn on baler (using starting up process)
- Close up all doors and bring back ejecting ram
- Resume with baling next materials

Standard operating guidelines for grapple truck 2019 Freightliner 108

1. Truck driver shall complete vehicle pre-inspection checklist prior to leaving yard.
2. Make sure boom ,hoist, seat and arm rests are in their stored position
3. Make sure container is secure for transport.
4. Leave yard and go to job site, truck shall not exceed posted speed limit
5. Truck shall stop at job site and activate parking brake and safety lights (4 way-flashers & strobe lights & set up safety cones.) make sure truck is in neutral.
6. Asses the size of load and document it. *see note for pile size calculation.(take before and after pictures on tablet provided)
7. Loader operator to visually inspect area for overhead and ground hazards. (Reposition if necessary.)
8. Truck driver to engage PTO.
9. Always use 3-points of contact when climbing up and down ladder to crow nest.
10. Watch out for tripping hazards on crow's nest platform (foot pedals and stabilizer levers)
11. Loader operator check communications with ground crew and ensure proper PPE is worn (hard hats, safety vest, gloves, etc.)
12. Loader operator to activate stabilizers too proper loading position.
13. Removed locking pin for boom.
14. Unfold levers and lock into position
15. Never pass load over any object (vehicles, fence, mail box, light pole, etc.)
16. Make sure if you use extension on boom always bring back to home position before loading materials
17. Load cargo as per safety guidelines on next 2 pages.
18. Make sure all debris and tools has been picked up and area is left clean before leaving job site.
19. Return boom to travel position after completing loading operations
20. Makes sure boom extension is all the way to natural position
21. Deactivate stabilizers and return levers to travel positon.
22. Place locking pin back on boom
23. Loader operator to disengage PTO.
24. When container is loaded the operator is to exit operator seat and return to truck cab for trip to dump site. Anytime vehicle is moved or reposition operator seat must be vacated.
25. Operator Seat must keep in down position when traveling.

Dumping procedure

26. Make sure to park on level ground
27. When dumping Driver is to engage PTO
28. The boom must be lifted and rotated the front of the truck about 3 ft. off the ground and boom is straight.
29. Open door to container fasten door to container.

30. Inside of cab is the diverter and ICC bumper switch which must be engaged to operate hoist.
31. Make sure ICC bumper is in dumping position
32. Lift container up and drive slowly forward
33. Once all items are dumped
34. Bring container down, close door and secure chain
35. Bring boom into traveling location and lock pin.
36. Truck is to be dumped and at end of assigned pick-ups, clean, post trip and left full of fuel

Unloading Container

1. Make sure area is clear and level for unloading container.
2. Make sure there are no overhead hazards
3. Engage PTO
4. Lift and rotate boom to the front of the truck and about 3 ft. off the ground
5. Unfasten back straps with pry bar from lock box(key is on key ring)
6. Secure and roll straps up and lock into place
7. Back inside the cab turn on diverter and ICC bumper switch (double check ICC bumper is in dumping position)
8. Raise hoist watching for hazards
9. Once completely up hold brake and release parking brake and start to release container slowly watching for hazards
10. Once container is down release cable for slack to unhook cable
11. After unhooking cable move truck forward and lower hoist
12. Store and secure cable for transport
13. Return boom for transport
14. Fold levers and seat for transport
15. Turn off PTO, ICC bumper and strobe light switches while in transport

Loading Container

1. Make sure area around container is clear of debris
2. Turn strobe lights and flashers on
3. Line and back truck up to container
4. Set parking brake
5. Make sure there is no overhead hazards
6. Engage PTO
7. Lift and rotate boom to the front of the truck about 3 ft. off the ground
8. Engage diverter and ICC bumper switches
9. Raise hoist looking for hazards
10. Release cable enough to hook up cable to container
11. Make sure container door is secured shut
12. Release parking brake while pressing brake
13. Start to winch container up lowering hoist slowly as well to keep container on the rails
14. Once back end of container is off the ground lower hoist to about a 1 ft. off the frame

15. Winch container until it reaches the stoppers. (careful not winch to tight as this will stretch the cable)
16. Now lower hoist completely
17. Turn off diverter switch
18. Return boom for transport
19. Unlock straps and attach them to container
20. Using pry bar tighten and lock straps
21. Return pry bar to lock box
22. Turn ICC bumper, PTO and strobe light switches off
23. Make sure load is secure for transport

Failure to comply could result in disciplinary action!

Employee signature______________________________ Date ____________

Issued by__________________________ Title _______________ Date ____________

Employee signature______________________________ Date ____________

Issued by__________________________ Title _______________ Date ____________

Employee signature______________________________ Date ____________

Issued by__________________________ Title _______________ Date ____________

Employee signature______________________________ Date ____________

Issued by__________________________ Title _______________ Date ____________

Employee signature______________________________ Date ____________

Issued by__________________________ Title _______________ Date ____________

Standard operating guidelines for grapple truck 2019 Freightliner 108

Employee signature _____ Date _____

Issued by _____ Title _____ Date _____

Employee signature _____ Date _____

Issued by _____ Title _____ Date _____

Employee signature _____ Date _____

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Issued by _____ Title _____ Date _____

Employee signature _____ Date _____

Issued by _____ Title _____ Date _____

Policy for Recycling Green waste loads from residents and Non-residents

Check water bill and Drivers licenses; policy must be must used for residents and non-residents of the Village Of Los Lunas if they are from outside the Village of Los Lunas Limits please follow the next steps.

For Village of Los Lunas utility Paying Residents there is no charge for the use of the Transfer Station!

For any non-residents there is a charge for green waste. $5.00 per load!

- Get down customers name and address where green waste is coming from
- Make sure to inspect ALL loads thoroughly!
    - No trash (Minimal-to no trash minimal dirt)
    - No mixed debris, railroad ties, yuccas and any kind of wooden fences
- Once you have inspected the load direct them to the green waste drop off location.
- Customers will be responsible to off load all green waste
- The Solid Waste Division will not use any of their equipment to assist any customer loading or unloading

Any loads that have too much contamination must be thrown away or taken to another facility.

There is an option to use our facility at a charge.

- A single truck or trailer $25.00
- Truck and trailer $35.00
- Any trailer over 12ft $45.00

All trash will be off loaded into the roll-offs provided by the Village of Los Lunas Solid Waste Division

Recite must be given out and money must be turned in daily or before the end of the week this is mandatory!

*Only employees allowed to collect money and issue recite are the following:

- Solid Waste Supervisor
- Assistant Supervisor
- Transfer station Operator
- Recycling Operator

Policy and procedure for the Tire Baler

Before use of this machine make sure to read and understand the owners manual. And safety operations .

Pre Trip.

- Look for any fresh fluids
- Check baler to see if it is leaning to one side. This will indicate a low tire.
- Check condition of tires, which will include (tire wear, tire pressure cuts or dry rot)
- Check all fluids. Hydraulic oil, diesel, motor oil and antifreeze
- Check frame of machine make sure there is no cuts or rust and any cracks on frame,if any, issues with baler let the supervisor know and write down any issues.
- Use service truck to hook up to tire baler
- Take chock away from the tires
- Make sure to connect chains and move landing gear to stowing position
- Start baler and take to designated location

Start up

- Turn key and hold down the prime button (keep pressed for a few seconds)
- Turn baler on and let idle.
- Place a tire on the frame between the truck and the motor of the baler.
- Make sure area is level and clear of any objects (make sure you have accountability of all employees)
- Make sure that baler is level
- Have the backhoe operator place the small bucket on the tire with slight downward pressure(be aware of the battery box)* reason we use a backhoe is due to the weight of the Machine
- Turn up the throttle
- Using levers bring the body down (Always use a back hoe during this procedure)
- Once the body is level and is in operations have the operator take pressure off the baler
- Bring down,standing platform
- Bring down security gate

Operations

- Using lever open up baler doors (*caution they are Heavy)
- Open up both doors completely
- To remove chains bring down ram and remove the chains from hooks place chains along loading floor and place excess on the ground.
- Place 2 wires in all slots at bottom of baler floor (3 wires if doing semi tires)
- Once all wires are placed close south door
- Place three(3) tires on top of wires,one in middle and one on each side

Policy and procedure for the Tire Baler

- Close up doors and using lever shut doors and lock into place
- The Operator will load tires up left to right then smash tires and will load tires right to left using zig zag pattern (65 passenger tires per bale)
- Make sure to lift with your knees
- Other employees will assist in bringing tires to the platform
- A full bale will be between the 2 sets of hooks inside of hopper
- Make sure to smash tires after every load of tires placed inside hopper

Removal of bale

- Once bale is ready, smash down one more time and leave it smashed between the two hooks
- Open up both doors
- Once the doors are open,send one side of wire through
- Tie wires together (will be shown before hand)
- Once all wires are tied place chains on hooks
- Have bobcat operator line bobcat with the bale on the south side
- Then slowly using levers,pick up balers ram until bale Is pushed out
- Once bale is out proceed with placing wire(if you do not have enough tires for bale do not place wires)
- Place bales in designated location (ask Transfer Station Operator for location)

Tear down

- Place chains on hooks and using levers place ram in home position
- Close doors
- Place security screen up and platform in locking position
- Place tire on the frame and have the backhoe operator place slight pressure
- Using lever place body in travel location
- Once the body of tire baler is In travel location turn down the throttle
- Remove pressure from the backhoe
- Let idle for 2 minutes, then shut off

Post

- Place back in the designated location
- Check for any damage
- Check fluids (add is needed)
- Grease baler after use
- Chalk tire
- Remove chains and use landing gear to remove from service truck.
- Make sure to write down and let the supervisor know if there is any issue.

Policy and procedure for the Tire Baler

Village of Los Lunas

Solid Waste Policy and Procedures

[Type the document subtitle]

Revised
2/22/2018

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Solid Waste Division

Equipment List

- Large side loader – 3 Located outside southwest of building in parking lot
- Small side loader – 2 Located outside southwest of building in parking lot
- Front loader – 4 Located outside southwest of building in parking lot
- Rear loader – 1 Located outside southwest of building in parking lot
- Single cab pick-up truck – 2 Located outside southwest of building in parking lot
- Flat-bed pick-up truck – 1 Located outside southwest of building in parking lot
- Dump trailer – 2 Located outside southwest of building in parking lot
- Extended cab pick-up truck – 1 Located in front of welding shop
- Backhoe – Located outside next to welding shop

Transfer Station

Equipment List

- Service Truck – Located inside on the eastside of the building at night
- Fuel Truck – Located inside on the eastside of the building at night
- Backhoe – Located southeast end of the building
- Semi-Tractor –– 3 located outside eastside of the building and 1 inside the tunnel
- Semi-Trailer – 3 located outside eastside of the building and 1 inside the tunnel
- Skid Steer – Located inside in the southwest corner of the building
- Baler – Located inside in the southwest corner of the building
- Glass Crusher – Located outside on the southside of the building
- Wood chipper – Located outside southwest of building in parking lot
- Tire baler – Located outside southwest of building in parking lot

Transfer Station

Operating Procedures and Policy

Purpose - To minimize the hazards associated with the combination of vehicle, heavy equipment and pedestrian traffic.

The Village of Los Lunas Transfer Station located at 7480 main st approximately 3 miles west of Interstate 25. This property consists of a building with a large tipping floor for MSW, a small tipping floor for Recyclables and one loading bay where transfer trailers pull into a tunnel to be loaded with MSW at tipping floor level, also an area for glass grinding and green waste located outside.

Vehicular Traffic Flow

Collection Vehicles - Collection vehicles enter the site from Hwy 6following signage to the west side of the building. At this time drivers are directed by the Operator to the tipping areas. The trucks are to open their doors on the tipping floor and close them before they leave the tipping floor. At no time is the loader operating in the same door as the trucks or cars unloading. All yard jockeys which move trailers around will follow the direction given to them by the Operator.
Transfer Trailers – Drivers will inspect truck and trailer for any trash hanging or on top of the vehicle and that the tarp is fastened and secured. Drivers will also make sure lights and license plate are clean and visible at this point they will exit the facility in route to the designated disposal facility.

Tipping Floor Procedures

Drivers

Must wear proper personal protective equipment: safety shoes, high visibility vest/clothing, eye protection and work gloves.

Drivers must follow operator's instructions at all times and drivers will be directed to maintain the following safe distances between vehicles when discharging loads on the tipping floor:

- A minimum of 10 feet shall be maintained on each side of Rear End Load vehicles
- A minimum of 10 feet shall be maintained on each side of a Side Loader (full eject body)
- A minimum of 10 feet shall be maintained on each side of a Front End Loader (full eject body

Drivers will be directed to open their tailgate while in a zone as far in front of the trash pile as practicable and closing of the tailgate will occur in the same zone.

The driver who exits the vehicle must stay within 10 feet of the vehicle. Vehicles are not to be left unattended. Conforming safety chains must be used to hold open Grapple and trailer container doors while unloading. Use of bungee cords, wire, ropes, etc. will not be permitted.

Drivers/haulers will only back into a designated area to dump prepared by the Operator only after instructed by the operator or traffic coordinator. The driver is responsible to be certain the truck is parked on a firm and level surface before discharge.

A fifteen-foot safe zone must be maintained between heavy equipment and trucks working on the tipping floor.

Never walk behind or in front of another vehicle unless you have made eye contact and received confirmation of intended movement using hand signals with the operator of the vehicle/equipment.

Make certain the area has sufficient clearance for the truck to enter, exit and tip.

Tailgates, bodies, and hoists should be lowered before exiting the building. Equipment should not be moved around the tailgates, doors, hoist, or bodies' open or in the extended position.

No one is allowed under a raised tailgate without proper block out, a t-bar or similar device. Never walk under or allow anyone else to walk under a raised tailgate for any reason. To help ensure no one walks under the tailgate, only open the tailgate approximately 2 feet when cleaning the tailgate seal. If a load being dumped is frozen or jammed, drivers must ask for assistance from the heavy equipment operator. The driver must stay inside the truck until he/she is signaled by the operator or by the horn from the equipment operator that the load is free and clear of the vehicle. All drivers must perform a truck clean out by or at the end of their routes.

Transfer Station Operator

- Promote safe and orderly traffic flow into and out of the transfer building area.
- Be in position to both see the immediate hazard area and be seen by the driver. If the Operator must change positions during the maneuver, signal the driver to stop, move to the new position before the maneuver is continued, and maintain visual contact with the driver.
- Is in phone communication with Heavy Equipment, Yard Jockey Driver and site management.
- Help enforce the PPE policy.
- The Operator will perform the role of the spotter and floor inspector as to the placement of loads on the tipping floor
- Assign tipping area locations for incoming vehicles.
- Direct hand-unload customers and non-tipping vehicles to appropriate and safe unloading areas.
- Controls all traffic movement on the tipping floor
- Identify potentially hazardous or otherwise unacceptable incoming waste materials
- Enforce the "no salvaging/scavenging" policy
- Will perform documented weekly random load inspections.

Transfer Station Driver

- The driver will untarp empty trailer.
- Prior to entering the tunnel the driver must make sure the tunnel door is completely open.
- Driver will pull semi & trailer on to the scale.
- While waiting for a load to be completed driver will perform pre trip inspection as well as fueling up before leaving.
- While in the tunnel **ANY PERSONEL must wear proper PPE (Hard Hat, Eye Protection, Vest, Gloves, and Safety Boots).**
- Driver will maintain the cleanliness of all the semis and trailers.
- When load is complete the driver will tarp and inspect load for any loose hang trash prior to exiting the tunnel.
- After full load has exited the building driver will repeat the process for bringing in another empty trailer.
- Driver will fill out both pre trip inspection book and notebook.
- Driver will drive to landfill and follow posted speed limit.
- Upon getting to landfill the drive will get on the scale and wait to be weighed.
- **Any personnel must wear proper PPE (Hard Hat, Eye Protection, Vest, Gloves, and Safety Boots) when on tipping floor at landfill.**
- Upon getting to the tipping floor driver will follow the spotter instructions on where to dump.
- After driver is in position to dump, they will walk to the back of the trailer, undo the two straps from the back door and climb ladder to put the two straps on top of the trailer tarp then climb back down.
- After driver is back down on the floor driver will open back door and secure it to the trailer in the open position.
- Driver connects hydraulic hoses from truck to trailer (if needed).
- Driver gets back in the truck and engages PTO.
- Once trailer is empty driver will pull up and out of the way of landfill equipment.
- Driver will get down from truck and walk to the back of the trailer and clean off the bumper, and tail/brake light and license plate must be clean and visible.
- Driver will close trailer door and lock it.
- Driver will climb ladder and pull down straps from atop of trailer.
- Driver will strap both straps to trailer door.
- Driver will disconnect hydraulic hoses for truck to trailer (if needed).
- Driver will drive back to the scale house, wait to be weighed.
- Driver will get down from truck sign both tickets.
- Driver will get back in to truck and drive back to transfer station.

- Upon getting back to the transfer station driver will untarp empty trailer and do a post trip inspection.

Mechanics/Other Contractor Personnel –

Maintenance personnel will make every effort to move the piece of equipment requiring service off the tipping floor, notify operations personnel of their location and work within close proximity of their service vehicle. If the piece of equipment requires servicing on the tipping floor, operations personnel will be notified and work will be directed away from the area of the maintenance work. Traffic cones and/or caution tape will be used to identify the work area. Other Village personnel on the tipping floor for investigative purposes will establish contact with operations personnel to create an awareness of their location and their purpose in the tipping area. If possible, operations personnel will direct work away from the general area of the investigation. If it is not possible to create a safe zone because of the size of the tipping floor or the location of the investigation, all work must be halted until the investigation is complete and personnel have cleared the floor.

Dump Body Trailers

To minimize vehicle stability concerns, dump body trailers will be directed to an area away from other customer's vehicles and heavy equipment.

Residential Customers -

Residential customers will follow the same procedures as directed by the Operator; however they will be in an area separated from commercial vehicles while unload.

Spills/Leaks

In the event of a spill or accidental release:

- Stop Processing
- Halt Vehicle movement
- Secure the area
- Notify the supervisor / manager
- Properly clean up the affected area

- Document the incident
- Identify the source

Clean up / spill response equipment (absorbent materials, shovels, brooms, socks and PPE) is placed in designated areas and clearly marked.

Unacceptable Waste

Operations at a transfer station create the potential for undetected hazardous materials to enter the facility in solid waste loads. It is the responsibility of every employee to be aware of questionable wastes and to ensure that proper recognition and identification of these wastes. This facility has procedures in place to reject loads that contain hazardous materials, responding to hazardous materials spills and contacting the appropriate hazardous materials response agencies in the event of a spill or release.

Advanced Environmental Solutions, Inc

Andy L. Saiz – Manager

Emergency Response # (505)861-1700

Cell # (505)450 8953

2318 Roldan Dr.

P.O. Box 1419 Belen, NM 87002

Fire / Hot Load

In the event of a fire on the tipping floor the heavy equipment operator will immediately prevent any other vehicles from entering the tipping floor. The Operator will instruct personnel to direct inbound traffic to proceed to a queue area and wait there until being instructed further by Operator. The Operator will then notify the Solid Waste Supervisor of the situation. Site personnel will follow the site-specific emergency evacuation procedures.

Inspectors

Inspectors on the grounds for any purpose must be escorted at all times by facility personnel and contact must be made with operations personnel to create an awareness of their location and

purpose in the area. If Inspector must step onto a tipping floor, all equipment operators must cease until all personnel clear the tipping floor.

Visitors

All visitors are required to report to the main office and sign in and out on a visitor's log. Visitor's will be accompanied at all times by facility personnel and wear a high visibility traffic vest and safety glasses.

Violations

Violations of Post Collection Tipping Floor Operating Procedures and Policy will be documented and forwarded to the employee's/customers direct supervisor in order to follow up with re-training and/or discipline as required.

Safety and Operational Rules

We are required to adhere to all Federal, State and Local regulations and to provide a safe, healthy and sanitary workplace. Each of us has the responsibility to make the safety of our co-workers, our customers and the general public a primary concern; this objective is fundamental to the Village of Los Lunas and it's employee's well-being, as well as the efficient operation of our facility.

It is imperative that all persons entering the site know, understand and abide by these safety rules (This listing is not intended to be all-inclusive):

- High visibility clothes/reflective safety vests, safety shoes and eye protection are to be worn when outside the vehicle.
- All vehicles must comply with the posted traffic signs, with special attention to the posted speed limit of 5 MPH.
- All solid waste vehicles entering the facility shall be equipped with external audible back up alarms and must sound whenever the machine is in reverse.

- Loads must be tarped while traveling to the facility. Tarps are to be removed inside the building only. Under no circumstances are tarps to be removed before entering the facility.
- Drivers preparing to enter tipping areas must await directions from the Heavy Equipment Operator. Driver is to maintain eye contact with operating personnel.
- Blind side backing is not to be attempted without guidance.
- Drivers must stay within 10 feet of their vehicle when outside of their vehicle. When out of vehicle please keep clear of tipping area bay door(s) as loader will be backing out.
- Riding on the outside of the vehicle or standing on the vehicle rear step is forbidden when vehicle is moving on site.
- While dumping the load, stay clear of the back of the vehicle. Never stand under the open tailgate or raised hopper.
- Tailgates, bodies, and hoists should be lowered before exiting the building. Equipment should not be moved around the tailgates, doors, hoist, or bodies open or in the extended position. All open top trucks must be completely empty before exiting the tipping floor.
- The back of collection trucks, grapple truck, and trailers must be opened and closed only on the tipping floor
- Heavy Equipment Operators have the right-of-way on the tipping floor. All vehicles are to yield to operating machinery and pedestrians.
- A fifteen-foot safe zone must be maintained between heavy equipment and trucks working on the tipping floor.
- Conforming safety chains must be used to hold grapple truck and trailer doors while unloading. Use of bungee cords, wire, ropes, etc. will not be permitted.
- All passengers must remain inside the vehicle. No children. No pets.
- Do not pass moving vehicles.
- To increase visibility, it is required that headlights and 4 way flashers be operating during disposal.
- Report all injuries/accidents to the Operator.
- Smoking is prohibited while inside the facility.
- Horseplay, scavenging or picking through the loads is strictly forbidden.
- Firearms, and/or weapons of any type are not allowed on the property for any reason.
- The use of intoxicating beverages or any other restricted substance on the facility is strictly prohibited..
- All visitors must check in at the main office.
- Drivers are not to use cell phones or two-way radios while driving and during a backing maneuver.
- In the event a post collection employee needs to enter the tipping area on foot, all movement of equipment and vehicles must stop before and during this process. Movement cannot resume until the person(s) on foot has communicated to the vehicle operator(s) that the ground is clear.
- Upon entering the facility all collection vehicles must yield to any transfer trailer traffic.
- All collection drivers will sign in size, date, and time of load.

Thank you for your cooperation.

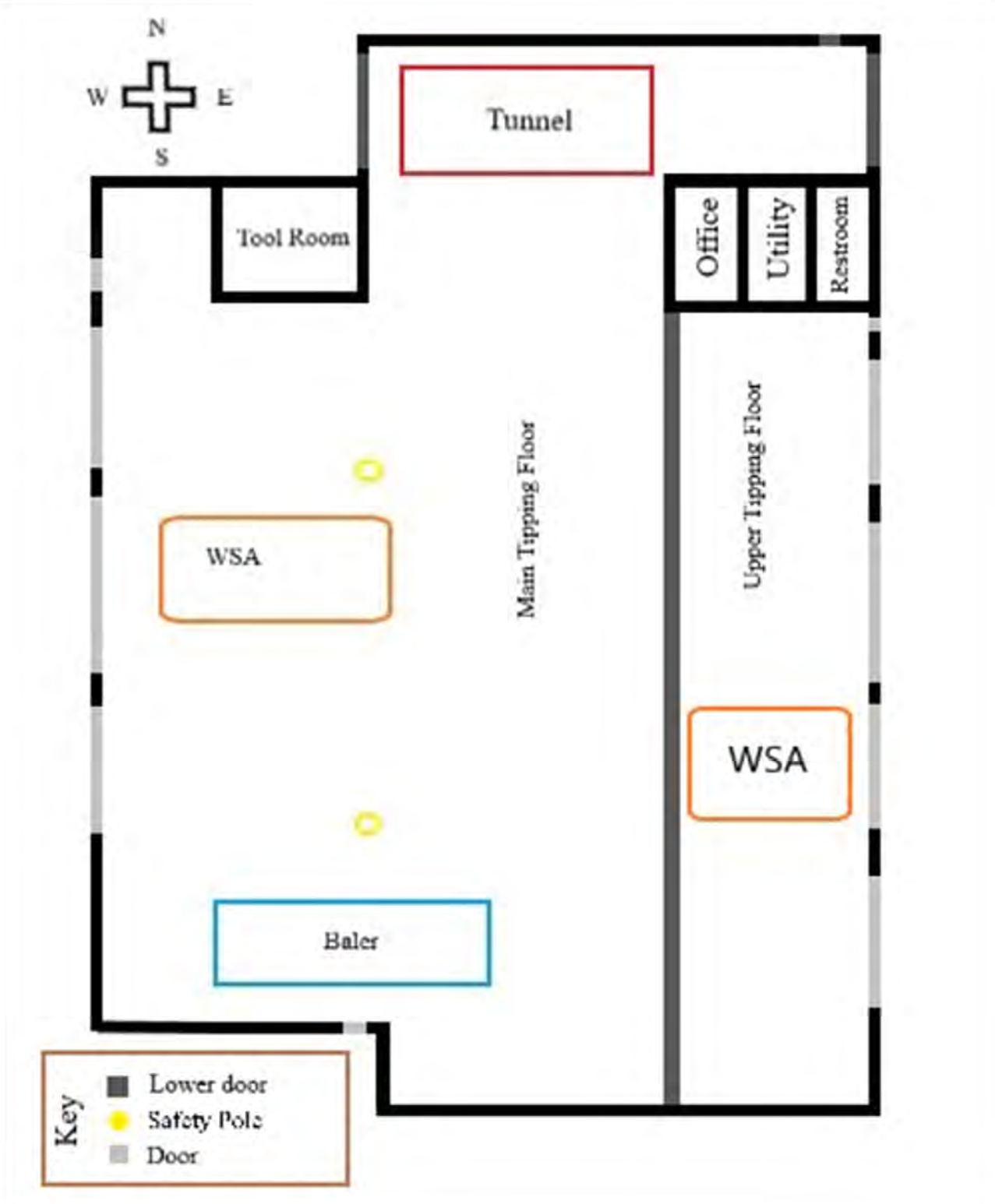
Waste Screening Procedures

Loads containing only acceptable material may be deposited directly onto the tipping area. Any load containing other materials or unacceptable materials or industrial waste must first be dumped in a waste screening area (WSA) to remove unacceptable materials prior to pushing the waste into the tipping floor area

[Provide a map showing the WSA or include a detailed description of where it will be located and how it will be kept separate from the active tipping floor]

- All drivers delivering must sign in, date, time and specific route.
- Ideally, the operation should pre-inspect each load before it enters the WSA. Loads that contain unacceptable materials should be diverted to another waste facility authorized to accept those materials, or if the loads are accepted by the operator should be dumped in the WSA for the removal of unacceptable material
- The WSA does not need to be in a fixed location, but can be moved as the site is developed. The WSA should be located within 50 feet of the active tipping floor.
- The operator must separate the WSA from the active tipping floor. This may be accomplished by using physical barriers, such as logs, chains or cones. The operator is responsible for the properly delineating and maintaining the two dumping areas.
- For drivers dumping load before transfer station business hours shall inspected their load. If anything is found the driver will call in an operation of the transfer station to begin a waste screening.
- The operator will then move the load in to the WSA and proceed on doing the inspected.
- During business hours the operator inspected each load that is dump from commercial and residential trash trucks.
- The operator shall not place more waste in the WSA then can managed in a working day.
- The operator and a trained spotter will have on all PPE included but not limited to safety shoes, eye protection, hard hat, ear protection, gloves, high visibility vest and dust masks.
- The operator with the help of a trained spotter will spread out load with tools such as backhoe, rakes, hoes, and shovels.
- The operator shall inspect and remove unacceptable material from waste dumped in the WSA and move the inspected and cleaned waste to the tipping area of the landfill on a weekly basis. The operator will document the inspection.
- Upon discovery, unacceptable waste must be removed from the loads and stored appropriately. Operator will question the driver to determine the origin of waste. The operator will document the origin of waste.

The unacceptable wastes must then be transferred to an appropriate disposal facility as needed. The operator will document inspection and NMED will be notified.


N
W
E
S
Tunnel
Tool Room
Office
Utility
Restroom
Main Tipping Floor
Upper Tipping Floor
WSA
WSA
Baler
Key
Lower door
Safety Pole
Door

Transfer Station Driver Procedures

- The driver will untarp empty trailer.
- Prior to entering the tunnel the driver must make sure the tunnel door is completely open
- The driver will pull semi & trailer on to the scale.
- While waiting for a load to be completed driver will perform pre trip in section as well as fueling up before leaving.
- **While in the tunnel ANY PERSONEL must wear proper PPE (hard hat, eye protection. Vest, gloves, and safety boots).**
- The driver will maintain the cleanliness of all the semis and trailers.
- When load is complete the driver will tarp and inspect load for any loose hanging trash prior to exit the tunnel.
- After full load has exited the building driver will repeat the process for bringing in another empty trailer. .
- Driver will fill out both pre trip inspection book and notebook.
- Driver will drive to the appropriate disposal facility and follow posted speed limit.
- Upon getting to the appropriate disposal facility scale house, driver will pull on to scale and wait to be weighed.
- **ANY PERSONEL must wear proper PPE (hard hat, eye protection. Vest, gloves, and safety boots) when on tipping floor at the disposal facility.**
- Upon getting to the tipping floor driver will follow the spotter instructions on where to dump.

- After driver is in position to dump, they will walk to the back of the trailer, undo the two straps from the back door and climb ladder to put the two straps on top of the trailer tarp and out of the way from the load they are dumping, then climb back down.
- After driver is back down on the floor driver will open back floor and secure it to trailer in the open position.
- Driver will connect hydraulic hoses from truck to trailer (if needed).
- Driver will get back in the truck and engages the PTO.
- Once trailer is empty driver will pull up to a proper clean out area.
- Drive will get down from truck and walk to the back of the trailer and clean off the bumper and tail/brake lights and license plate must be clean and visible.
- Driver will close trailer door and lock it and secure the safety chain to the trailer.
- Driver will climb ladder and pull down straps from atop of trailer.
- Driver will disconnect hydraulic hoses from truck to trailer (if needed).
- Driver will drive back to the scale house, and wait to be weighed.
- Driver will get down from the truck and sign tickets.
- Driver will get back in to truck and drive back to transfer station.
- Driver will put signed ticket in to ticket basket in the office.

Green waste

- Driver will untarp empty trailer.
- Driver will make sure trailer completely empty from previous load
- Prior to entering the tunnel the driver must make sure the tunnel door is completely open.
- The driver will pull semi & trailer on to the scale.

- Once weighed driver will pull out of tunnel and go to green waste drop off.
- While in the tunnel **ANY PERSONEL must wear proper PPE (hard hat, eye protection. Vest, gloves, and safety boots).**
- The driver will maintain the cleanliness of all the semis and trailers.
- With the help of the grapple truck operator will begin load up green waste.
- **Driver is responsible for making sure green waste is clean and not contaminated with trash.**
- After the trailer is loaded, driver will drive back in to the tunnel and get weighed.
- Driver will drive to the appropriate disposal facility and follow posted speed limit.
- Upon getting to the appropriate disposal facility scale house, driver will pull on to scale and wait to be weighed.
- Driver will get down and talk to the scale house to let them know.
- **ANY PERSONEL must wear proper PPE (hard hat, eye protection. Vest, gloves, and safety boots) when on tipping floor at the disposal facility.**
- Upon getting to the tipping floor driver will follow the spotter instructions on where to dump.

- After driver is in position to dump, they will walk to the back of the trailer, undo the two straps from the back door and climb ladder to put the two straps on top of the trailer tarp and out of the way from the load they are dumping, then climb back down.

- After driver is back down on the floor driver will open back floor and secure it to trailer in the open position.
- Driver will connect hydraulic hoses from truck to trailer (if needed).
- Driver will get back in the truck and engages the PTO.
- Once trailer is empty driver will pull up to a proper clean out area.
- Drive will get down from truck and walk to the back of the trailer and clean off the bumper and tail/brake lights and license plate must be clean and visible.
- Driver will close trailer door and lock it and secure the safety chain to the trailer.
- Driver will climb ladder and pull down straps from atop of trailer.
- Driver will disconnect hydraulic hoses from truck to trailer (if needed).
- Driver will drive back to the scale house, and wait to be weighed.
- Driver will get down from the truck and sign tickets.
- Driver will get back in to truck and drive back to transfer station.
- Driver will put signed ticket in to ticket basket in the office.
-

Failure to follow and comply with these procedures will result in notifying supervisor and or disciplinary action!!!!!

Transfer Station Backhoe Procedures

BEFORE USING THE MACHINE

- Read the owner's manual to learn the characteristics of the machine.
- Any personnel operating Backhoe must wear proper PPE included but not limited to:
  - sturdy pants and shirt
  - safety shoes
  - hard hat
  - safety goggles or glasses
  - gloves
  - hearing protection
  - respirator for dusty conditions.
- Before starting the backhoe check:
  - engine oil
  - coolant
  - hydraulic oil

- All belts
- All hoses for leaks or damage
- Battery
- Fuel level
- Transmission oil (after backhoe has warmed up)

• Check the loader/backhoe for the presence of the following safety devices in good working order:

- rollover protective structure (ROPS)
- seat belt (if ROPS equipped)
- guards
- shields
- back-up warning system
- lights
- mirrors

• Fill the fuel tank while engine is off and cool. Do not smoke, while fueling. Wipe up any spills immediately.

• Check the machine daily for broken, missing, or damaged parts. Make the necessary repairs or replacements.

• Keep the machine clean -- especially steps, handrails, pedals, grab irons, and floor of the cab. Slippery surfaces are very hazardous.

• Remove or secure loose items in the cab that could interfere with operating the controls.

• Check the work area for hidden holes, obstacles, drop-offs, etc. Clear children, pets, and bystanders from the area.

• Always use 3 points of contact, use the handrails, ladders, and steps provided when mounting the machine; never grab controls or the steering wheel.

• The cab was designed for one person -- allow no riders, especially children.

OPERATING THE LOADER

• Adjust the seat, fasten the seat belt, set the brake, and place transmission in park or neutral before starting the engine.

• If machine is in a garage be sure ventilation is adequate. CARBON MONOXIDE KILLS!

• Start the engine and check all controls for proper function. Check horn and backup alarm. Do not use if anything is faulty.

• Keep the working area as clean as possible.

• Always carry the bucket low for good visibility and maximum stability.

OPERATING THE BACKHOE

• Level the machine for maximum stability.

• Operate the backhoe only from the seat.

LOADING THE TRAILER

•Push load in to trailer with the front bucket.

PACKING THE TRAILER

•Back up to the tunnel.

• Level the machine for maximum stability.

• Operate the backhoe only from the seat.

• Keep the loader bucket on the ground.

•Set your stabilizers

•Make sure that the load is not higher than the top of the trailer.

•If load is higher than the top of the trailer move load to a lower spot in the trailer.

•Make sure that the total weight of the in the trailer is not greater than 68000 LBS and the weight on each axles is no greater than 34000 LBS.

SAFE STOPPING PROCEDURE

• Park the machine on level ground if possible and set the parking brake. Place transmission in park if so equipped.

• Lower the loader and backhoe buckets to the ground.

• Stop the engine and remove the key.

• Work the hydraulic controls to relieve pressure.

• Wait until all motion has stopped and then dismount carefully using steps and safety holds.

• Do not jump from the machine.

Failure to follow and comply with these procedures will result in notifying supervisor and or disciplinary action!!!!!

Dump Truck Procedures

- **All PERSONNEL must wear proper PPE (hard hat, eye protection, vest, gloves, and safety boots) while outside of vehicle**.
- Driver will perform an walk around
- Driver will fill out pre trip inspection book.
- Driver will check the following:
  - Engine oil
  - coolant
  - hydraulic oil
  - All belts
  - All hoses for leaks or damage
  - Battery
  - Fuel level
  - Transmission oil (after dump truck has warmed up)
  - Any damages
  - Tire condition (proper pressure and any noticeable cuts or damage)

- After load is loaded driver will check and make sure that the load is center and nothing is hanging off the truck.
- Driver will tarp all loads.
- Driver will drive to the appropriate disposal facility and follow posted signage.
- Upon getting to the appropriate disposal facility scale house, driver will pull on to scale and wait to be weighed.
- After driver is in position to dump, driver will untarp truck. (if needed)
- Driver will engage the PTO by holding the brake and putting truck into drive pulling lightly on PTO lever. Once PTO is engaged put truck back into neutral and operate dump lever as needed.
- Driver will unlock back tail gate.

- Driver will operate dump lever to the dump position until bed is in the fully raised position
- Once the dump bed is in the fully raised position driver will pull forward.
- Driver will get out of drive and check to make sure the load was fully dump.
- Driver will get back in truck and put dump lever in to the lower position.
- Once dump bed is fully lowed, driver will put dump lever in the neutral position.
- Driver will disengage the PTO by pushing down on the PTO lever.
- Driver will lock tail gate and visually check to make sure tail gate is lock.
- Driver will make sure that there is no debris on any part of the truck and make sure the tail lights are clean and visible.

- Driver will drive back to the scale house, and wait to be weighed.
- Driver will get down from the truck and sign tickets.
- Driver will get back in to truck and drive back to transfer station.
- Driver will put signed ticket in to ticket basket in the office.
- Driver will do a post trip walk around.

Failure to follow and comply with these procedures will result in notifying supervisor and or disciplinary action!!!!!

Morbark 2600 woodhog

Policy and Procedures

BEFORE operating this machine you must read Policy and Procedures and view safety video!

No one person may operate this machine!!!!!

<u>All operators and helpers will be responsible for the following.</u>

Starting Procedures

- **Keys will be located in the Transfer Station Office.**
- **Turn and hold key in the start position for 5 seconds or until it starts let machine warm up for 10 to 15 minutes.**
- **Push setup mode button**
- **Lower stabilizers to raise grinder and remove locking pins.**
- **Raise stabilizers to lower grinder and connect to designated truck.**
- **Attach the safety chains, airlines, and the lights to the truck.**
- **Fasten the latch on the trailer neck so the wood grinder will not come off the truck.**
- **Make sure to pick up the stabilizers all the way up for transport.**
- **Place poly stabilizer pads in rear tool box for transport.**
- **Turn grinder off for transport.**

Pre-Trip

- **Look for any fresh damage on the grinder.**
- **Check all fluids and fill if necessary. (Hydraulic, oil, and fuel)**
- **Check the tire pressure and condition of the tires. (Dry rot, low air pressure, cuts, etc.)**
- **Inspect inserts before, midway and after each use for damage or worn inserts.**
- **Make sure that all the lights are working on both the truck and wood grinder.**
- **Make sure to have proper PPE (Orange hard hat with screen and earmuffs or equivalent , safety glasses, safety vests, safety boots, dust mask, and gloves)**

Grinding Area

- **Take the grinder to the designated grinding location. (Locations may vary)**
- **Secure designated area for grinding and flying debris – 45 degree angle and 200 ft radius out from infeed chute.**
- **Inspect material to be grinded for any foreign or unwanted objects.**

Operating Procedures

- **Once grinder is in place**
- **Turn and hold key in the start position for 5 seconds or until it starts let machine warm up for 10 to 15 minutes (if not warm already).**
- **Push setup mode button.**
- **Disconnect safety chains, airlines and lights.**
- **Lower stabilizers onto poly stabilizer pads to raise and detach grinder.**
- **Move truck to a clear area.**
- **Unfold conveyor**
- **Make sure the infeed chute is free of debris prior to engaging clutch.**
- **Check conveyor speed setting is set to 90%**
- **Yoke speed setting should be at least 10% higher than infeed**
- **Bump clutch 3 or more times before fully engaging.**
- **Change to radio mode.**
- **Do not feed any foreign objects into the grinder. (Metal, trash, etc.)**
- **For larger branches open the yoke so the branch will fit (No larger than 12 inches in diameter).**
- **If any foreign objects enter infeed reverse feed and clear chute.**

Shut Down Procedure

- **Make sure infeed chute is clear as well as discharge chute.**
- **Slowly decrease speed in a 3 step process allowing grinder to reach each decreasing speed until it is at its lowest setting.**
- **Disengage the clutch.**
- **Let the hammer mill stop turning.**
- **Clear and clean out and around grit door.(must be keep clear of all debris)**
- **Clear out the grit door area to hook up the designated truck.**
- **Lower stabilizers to raise grinder to desired height for truck.**
- **Raise stabilizers to completely lower on to truck.**
- **Connect lights, airlines and safety chains**
- **Turn off the motor.**

Cleanup Procedure

- **Make sure the outfeed chute is clear of debris.**
- **Place outfeed chute in stow position and make sure it latches.**
- **Close grit door and make sure it latches.**
- **Make sure the infeed chute is clear of debris.**
- **Blow off chipper with air hose. Make sure to clean air filter, radiator screen, engine compartment and drive belt compartment.**

Post-Trip Procedure

- **Check fuel level and top off if needed. (Diesel)**
- **Check oil levels motor and hydraulic.**
- **Grease all grease points after use.**
- **Park wood grinder back in designated area.**
- **Disconnect safety chains, airlines and lights.**
- **Lower stabilizers on to poly stabilizer pads detach from designated truck.**
- **Notify supervisor if any issues or fresh damage to the wood grinder.**

FAILURE TO FOLLOW OR COMPLY

Will result in disciplinary actions !!!!!!!!!!!!!!!!!!!!!!!!

Supervisor: _____ **Date:** _____

Employee: _____ **Date:** _____

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2: EXHIBIT NO. 3 COMPOSTING OPERATIONS PLAN

Prepared for:

VILLAGE OF LOS LUNAS
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May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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APPENDICES

Appendix A Mixer and Conveyor Operation and Maintenance Data

Appendix B Composting and Biofiltration Vessel Operation and Maintenance Data

Appendix C Composting Aeration System Operation and Maintenance Data

Appendix D Leachate Collection System Operation and Maintenance Data

Appendix E Compost Mix Wetting System Operation and Maintenance Data

ABBREVIATIONS AND ACRONYMS

APLR	Annual Pollutant Loading Rate
CFR	Code of Federal Regulations
CPLR	Cumulative Pollutant Loading Rate
EPA	Environmental Protection Agency
EQ	Exceptional Quality
HVAC	heating, ventilation, and air conditioning
ID	Identification
NM	New Mexico
NMAC	New Mexico Administrative Code
NMDA	New Mexico Department of Agriculture
NMED	New Mexico Environment Department
PC	Pollutant Concentration
PFAS	polyfluoroalkyl substances
PFRP	Process to Further Reduce Pathogens
PLC	programmable logic controller
PNM	Public Service Company of New Mexico
PPE	personal protective equipment
PVC	polyvinyl chloride
SWD	Solid Waste Division
TMR	Total Mixed Ration
U.S.	United States
VFD	variable frequency drive
VLLTS	Village of Los Lunas Transfer Station
WWTP	Wastewater Treatment Plant

1.0 GENERAL INFORMATION

The Village of Los Lunas Transfer Station does not currently operate a composting facility. Therefore, this exhibit is not included in this submittal. However, a new composting facility is scheduled to be constructed in early 2020 and will likely become operational in mid-2020. Once the facility is constructed, a comprehensive operations plan will be developed, as-built engineering plans with equipment O&M Manuals, and updated Financial Assurance will be submitted to NMED, within 90 days of commencing operation of the facility.

1.1 Purpose of the Plan

The Composting Operations Plan describes the policies and procedures of the Solid Waste Division (SWD) for operating the Village of Los Lunas Transfer Station (VLLTS) Composting Facility as required by New Mexico Administrative Code (NMAC) 20.9.3.14 (A) and 20.9.3.27 (D)(4)(l). The Composting Operations Plan, in conjunction with the attached appendices and forms, will serve as the operations and training manual for the facility. This plan was not incorporated into the General Operations Plan because of if its specialized technical nature and operating requirements.

1.2 Updates and Revisions

This plan, as submitted, is a draft based on the planned operation of the composting facility. However, operation of the facility is not anticipated to commence until the late spring or summer of 2020. This plan will be updated and a permit amendment submitted to the Solid Waste Bureau for review within 180 days of commencing operation of the composting facility. This timeframe should give the SWD adequate time to identify and test feedstock mixes and develop their specific blend.

This plan will be updated or amended, if necessary, whenever:

- The facility permit is renewed or modified.
- The facility's design, operation, or maintenance procedures change.

- The list of facility equipment changes.
- There are changes to the information included in the appendices.
- New waste streams are utilized for composting, such as food waste.
- The facility begins selling biosolids to the public or other non-Village end user.

1.3 New Mexico Administrative Code (NMAC) Compliance

1.3.1 Permit and Registration Requirements

This Operations Plan for the Composting Facility provides all of the information necessary to amend the VLLTS's permit pursuant to NMAC 20.9.314 and register as a composting facility that accepts only source-separated compostable materials pursuant to NMAC 20.9.3.27. Although the ultimate buildout of the Composting Facility will only have a capacity of about 20 tons per day, half of that material could be dewatered sludge from the Village's Wastewater Treatment Plant (WWTP). It should be noted that the WWTP sludge would not have otherwise become a solid waste and would have been processed through facilities at the WWTP for surface disposal at the Village's existing disposal site. Thus, NMAC 20.9.3.28 does not apply to the Composting Facility. Table 1-1 summarizes the relevant NMAC paragraphs and their location within this Operations Plan or other exhibits.

TABLE 1-1
SUMMARY OF RELEVANT NMAC PARAGRAPHS

Solid Waste New Mexico (NM) Administrative Code	Location
20.9.3.14 (E)	Section 6.2
20.9.3.14 (F), 20.9.3.27 (D)(4)(k), 20.9.3.27 (H)	Sections 4.3 and 8.8
20.9.3.14 (G), 20.9.3.27 (D)(4)(m)	Section 10.1
20.9.3.27 (D)(a) through (j)	Refer to Exhibit 2 – General Operations Plan
20.9.3.27 (I)	Section 2.4
20.9.3.27 (J)	Section 10.3

1.3.2 New Mexico Department of Agriculture (NMDA) Registration

The Composting Facility is intended to receive wastes from Village departments and the general public. Composted biosolids are only intended for land application by Village departments in public spaces and there are no plans to sell the biosolids to the general public. If this were to change in the future, the Composting Facility is required to provide labelling in accordance with the New Mexico Department of Agriculture's (NMDA) requirements in NMAC 21.18.2. The Composting Facility would also be required to register with the NMDA as Soil Conditioner per the New Mexico Fertilizer Act.

1.4 Code of Federal Regulations (CFR)

In addition to the NMAC requirements, operation of the composting facility is required to comply with Code of Federal Regulations Title 40 Part 503 known as the United States (U.S.) Environmental Protection Agency (EPA) Biosolids Rule. This rule only applies if dewatered sludge from the Village's WWTP is utilized as part of the composting mix and the resultant product is to be land applied by the Village or a third party. In order to avoid certain restrictions on the land application process, the composting process is designed to achieve a Class A biosolid, which are defined as:

- A biosolid that meets ceiling concentrations for pollutants listed in Tables 1, 2, 3, and 4 of Section 503.13 of the Biosolids Rule (see Table 1-2 below for summary).
- Pathogen Reduction Alternative 5: Use of a Process to Further Reduce Pathogens (PFRPs).
    - PFRP 1: In-vessel composting in which the pile temperature is maintained at 55°C, or higher, for 3 days.
- Vector Attraction Reduction Option 5: Use of an aerobic process at greater than 40°C for 14 days or longer.

Class A biosolids are further classified by their pollutant (heavy metal) concentrations and how they are applied as Exceptional Quality (EQ), Pollutant Concentration (PC) Cumulative Pollutant Loading Rate (CPLR), or Annual Pollutant Loading Rate (APLR).

There are several conditions that determine where Class A biosolids fall within these categories. In general, it is anticipated that the composting process will achieve a Class A EQ biosolid, but could fall into the CPLR or APLR categories if the EQ pollutant limits are exceeded. End use of the compost will be discussed further in Section 6.0.

TABLE 1-2
BIOSOLIDS RULE POLLUTANT LIMITS

Pollutant	Ceiling Concentration Limits for All Biosolids (mg/kg)	Limits for EQ and PC Biosolids (mg/kg)	CPLR Limits for Biosolids (kg/hectare)	APLR Limits for Biosolids (kg/hectare-yr)
Arsenic	75	41	41	2.0
Cadmium	85	39	39	1.9
Chromium	3,000	1,200	3,000	150
Copper	4,000	1,500	1,500	75
Lead	840	300	300	15
Mercury	57	17	17	0.85
Molybdenum	75	N/A	N/A	N/A
Nickel	420	420	420	21
Selenium	100	36	100	5.0
Zinc	7,500	2,800	2,800	140

1.5 Perfluorinated Substances

Various perfluorinated and polyfluoroalkyl substances, collectively referred to as PFAS, are gaining attention as potentially regulated pollutants in the near future. PFAS are a group of man-made chemicals used in industrial processing that are persistent in the environment and have potential health effects. The U.S. EPA has been working on a campaign to support states in their effort to control PFAS exposure and pollution of drinking water supplies. Some states have begun sampling campaigns that have detected PFAS in municipal wastewater treatment sludges

above the current health advisory level published by the EPA of 70 parts per trillion (70 in 1,000,000,000,000). The New Mexico Environment Department (NMED) does not currently have a standard set for PFAS, but new standards are likely to be set by 2030.

Based on the demographics and economic development within the Village, it is not anticipated that elevated levels of PFAS will be found in the WWTP's sludge cake. However, if PFAS are discovered above the health advisory level, or any other level established by NMED in the future, it will be important to identify the source of the PFAS and attempt to implement source control so that the quality of the VLLTS's compost is not compromised.

2.0 FACILITY PERSONNEL AND STAFF

2.1 General Personnel Information

The Composting Facility has the same personnel as the VLLTS and it is anticipated that a dedicated Composting Facility operator will not be required to operate and maintain the facility. Appendix A of Exhibit 2 – General Operations Plan contains a listing of all SWD personnel with job descriptions that is regularly updated as changes are made to the facility.

2.2 Chain of Command

The chain of command at the VLLTS is contained in Section 2.0 of Exhibit 2 – General Operations Plan.

2.3 General Training Information

All new VLLTS personnel undergo training as laid out in Exhibit 2 – General Operations Plan. At that time, new personnel will receive general training on the Composting Facility and may be asked to perform general labor tasks. Additional training will be provided to personnel assigned to perform operational tasks at the Composting Facility, such as mixing compost piles. All training is refreshed annually.

2.4 Personnel Training and Certification Plan

2.4.1 Operator Certification

The NMAC requires at least one certified operator for the Composting Facility to oversee operation. In order to hold a supervisory position within the SWD, the employee must hold this certification. Additionally, only certified operators will be responsible for operating the composting facility.

2.4.2 Equipment and Machinery Training

Most of the equipment utilized at the Composting Facility is already owned and operated by the SWD and the training requirements are covered in Section 2.0 of Exhibit 2 – General Operations Plan. After construction is complete, the operators will receive training from the equipment manufacturers for each piece of new equipment.

2.4.3 Authorized and Unauthorized Waste Training

Authorized and unauthorized waste training for the Composting Facility is conducted at the same time as similar training for the VLLTS. This training is identified in Section 2.0 of Exhibit 2 – General Operations Plan. The Composting Facility will require additional training as some certain types of waste are not acceptable for composting, such as treated lumber and plywood. The types of waste that are accepted at the Composting Facility are covered in Section 5.0 of this Exhibit. Training will cover at least the following topics:

- Acceptable waste items at the Composting Facility.
- Unacceptable waste items at the Composting Facility.
- Red flags/indicators of unacceptable and/or contaminated wastes.
- Reporting and documenting of unacceptable wastes.

2.4.4 Waste Screening and Inspection

Waste screening and inspection will occur for at least one load per day, but could be more frequent depending on the customer dropping of the material. Compostable waste being dropped off by individuals may be more heavily scrutinized than larger haulers of green waste, such as the Middle Rio Grande Conservancy District. Screening and inspection training will include the following:

- Authorized and unauthorized wastes allowed at the Composting Facility.
- Unauthorized waste recognition.
- Proper inspection and screening protocols.
- Reporting and documenting of unacceptable wastes.
- Implementing contingency plans.

Similar to the main VLLTS, Composting Facility operators may encounter hazardous wastes. The training covered in Section 2.0 of Exhibit 2 – General Operations Plan provides procedures for addressing hazardous waste.

2.4.5 Health and Safety

Section 8.0 of Exhibit 2 – General Operations Plan covers health and safety training for the entire VLLTS. Since the Composting Facility will accept wastes with high levels of pathogens, all operators need to take special care to mitigate exposure and resultant illness risks. All employees should have completed the general immunization requirements that apply to maintenance workers in the Water and Sewer Division. Proper utilization of personal protective equipment (PPE) will mitigate most exposure risks. PPE for the facility is covered in Section 9.0 of this Exhibit.

2.4.6 Contingency Plan Training

All employees are trained on how and when to implement the emergency contingency procedures that are detailed in Exhibit 6 – Contingency Plan. The Composting Facility, as part of the VLLTS, regularly carries out drills and exercises replicating what to do in case of an emergency situation. Training on emergency events includes:

- Evacuation routes and plans.
- Emergency contacts.
- Actions taken for fires, explosions, natural disaster, and/or chemical releases.
- Actions taken for hostile threats.
- Reporting and documentation of incidents.
- Proper use of onsite emergency equipment.

3.0 GENERAL FACILITY DESCRIPTION

3.1 Site Location

The Composting Facility occupies approximately **2** acres in the southwest corner of the VLLTS property as shown in Figure 3-1. The site is contiguous with the VLLTS property and there is no physical barrier between the two areas.

3.2 General Information

The Composting Facility consists of the following elements identified in Figure 3-2:

- Raw Material Handling, Processing, and Stockpiling Area.
- In-Vessel Composting Area including biofiltration and composting vessels, process air distribution system, and leachate collection and reuse system.
- Electrical Power Distribution and Control Building.
- Stormwater Management System.

3.3 Anticipated Start Date

Site development for the Composting Facility is currently under construction and is anticipated to be completed in late March or early April of 2020. The biofiltration and composting equipment will be installed as part of a future project and is anticipated to be ready for operation in June or July of 2020.

3.4 Facility Operating Schedule

The Composting Facility will be operated on the same schedule as the VLLTS. However, because the composting process takes several weeks to be completed, automation of the aeration process is required to ensure that the appropriate conditions for composting are maintained even when there are no operators on site.

3.5 Equipment On-Site

The initial site development project includes sufficient space for Phases 1 and 2 of the master planned Composting Facility. The Composting Facility-specific equipment onsite includes the following:

- Mixer and Conveyor.
- In-Vessel Composting Equipment:
  - Two, 42 cubic yard biofilters.
  - Ten, 42 cubic yard composters.
  - Two aeration fans.
  - Processing piping, valves, and control instrumentation.
- Leachate grinder pump station.
- Leachate/Reuse water storage tank.
- Compost mix wetting pump.
- Electrical Power Distribution and Control Building.

LAST MODIFIED: Feb 04, 2020 - 8:03:am BY USER: ntenorio
DWG. LOCATION: L:\LOSLUNA\SLL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: COMPOSTING 3-1.dwg

PROPERTY FENCE LINE

CLOSED LANDFILL

TRANSFER STATION BUILDING

EVAPORATION POND

ADMINISTRATION BUILDING

EXCESS COLLECTION BIN STORAGE

EXISTING PARKING LOT

STORAGE SHED

NEW COMPOSTING FACILITY

RESIDENTIAL MSW STORAGE AREA

RESIDENTIAL RECYCLING STORAGE AREA

MAINTENANCE SHOP

ELECTRICAL BUILDING

HIGHWAY 6

COMPOST MIXER/CONVEYOR

PNM TRANSFORMER PAD

N

0 200' 400'

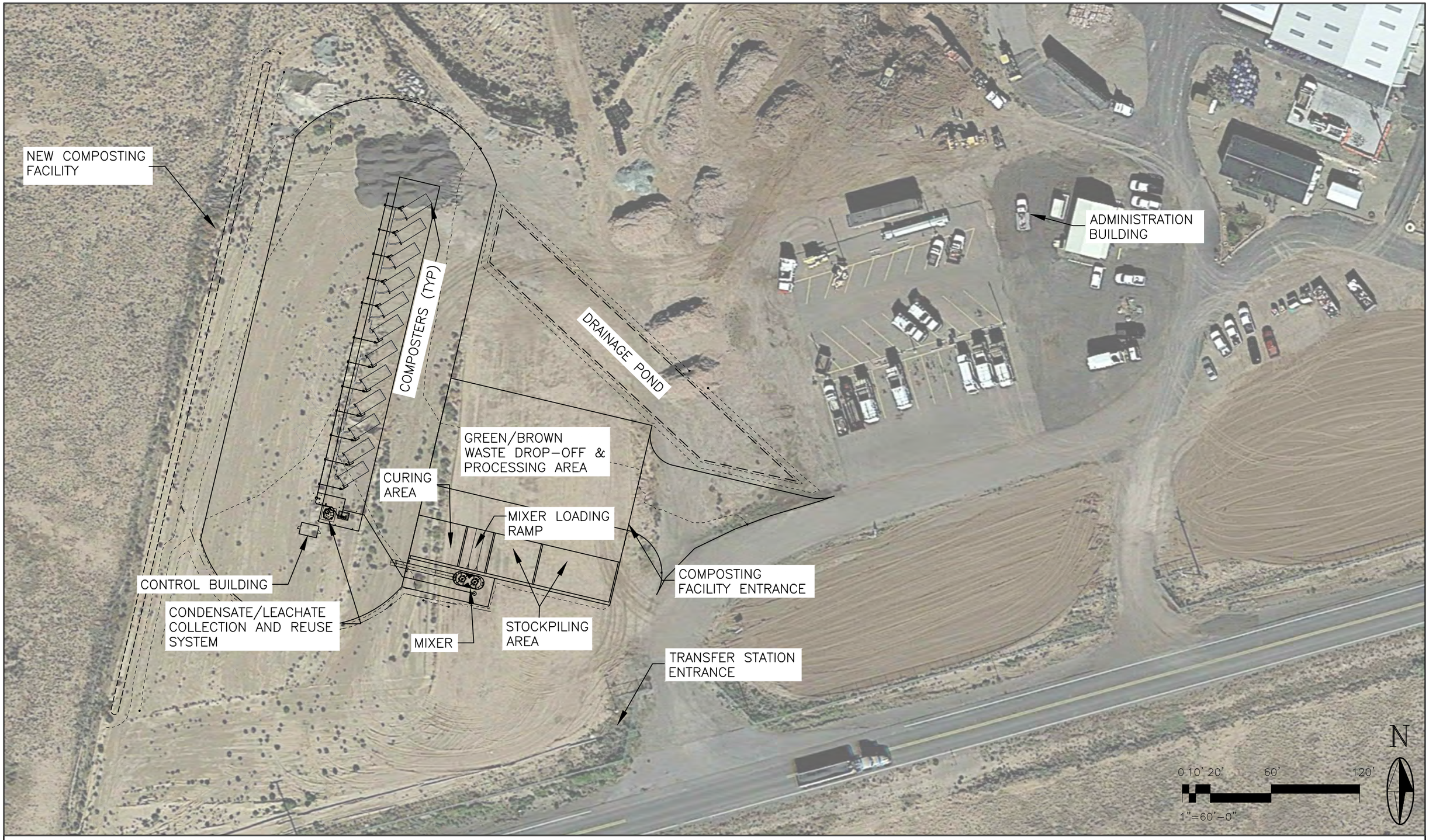
1"=200'

MOLZENCORBIN

TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

FIGURE 3-1
SITE LOCATION

LAST MODIFIED: Jan 30, 2020 - 10:16am BY USER: mtenorio
DWG. LOCATION: I:\LOSLUNAS\LL141.75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: COMPOSTING 3-2.dwg



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TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

FIGURE 3-2
FACILITY LAYOUT

3.6 Storm and Waste Management

In accordance with the Village's site development ordinances, the Composting Facility was designed with a storm water management system that will contain 100% of the runoff generated during a 100-year storm. The system consists of two retention ponds and a series of conveyance swales. The growth of plant life in the ponds and swales will provide a basic level of treatment for any runoff generated by the site.

The site does not contain any buildings that generate a domestic wastewater. The composting process will generate two small waste streams: condensate and leachate. Both of these waste streams are collected in buried piping and conveyed to a grinder pumping station that will lift the waste into a 3,000-gallon storage tank. The anticipated volume generated is less than 100 gallons per week. Ultimately, the collected waste is blended with reuse water from the WWTP and used to provide supplemental moisture to the compost mix.

The stormwater and wastewater management systems were identified previously in Figure 3-2.

4.0 TRAFFIC CONTROL AND VEHICLE INFORMATION

4.1 Size and Volume of Vehicles

The following vehicles are utilized for operation of the Composting Facility:

- 10 cubic yard dump truck (owned, operated and maintained by the WWTP Division).
- Fleet pickups.
- SW23 – Bandit Chipper 1890.
- SW24 – John Deere 310SG Backhoe.
- SW60 – Case Sr240 Skid Steer.
- SW61 – Morbark 2600 Grinder.
- SW70 – Freightliner M13A Grapple Roll Off Truck – 1FVHG5FE8KHKJ5827.
- SW71 – Caterpillar 928F Wheel Loader.

These vehicles also serve other purposes within the VLLTS and are not dedicated to the Composting Facility.

4.2 Routes To and From City

All vehicles travelling to and from the Composting Facility follow the same routes as vehicles coming to and from the VLLTS. The sludge cake truck from the WWTP will follow an existing route established by the WWTP Division, which currently hauls liquid sludge from the WWTP to a surface disposal site west of the VLLTS on New Mexico 6. A map of the current route taken by the WWTP vehicle is provided in Figure 4-1.

4.3 Impact of Litter, Traffic, Odor, and Dust

Litter should not be an issue at the Composting Facility since it only accepts specific segregated wastes. Inspection of loads being dropped off will help ensure that no loads contaminated with other wastes are delivered to this area. Anyone attempting to drop off a contaminated feedstock

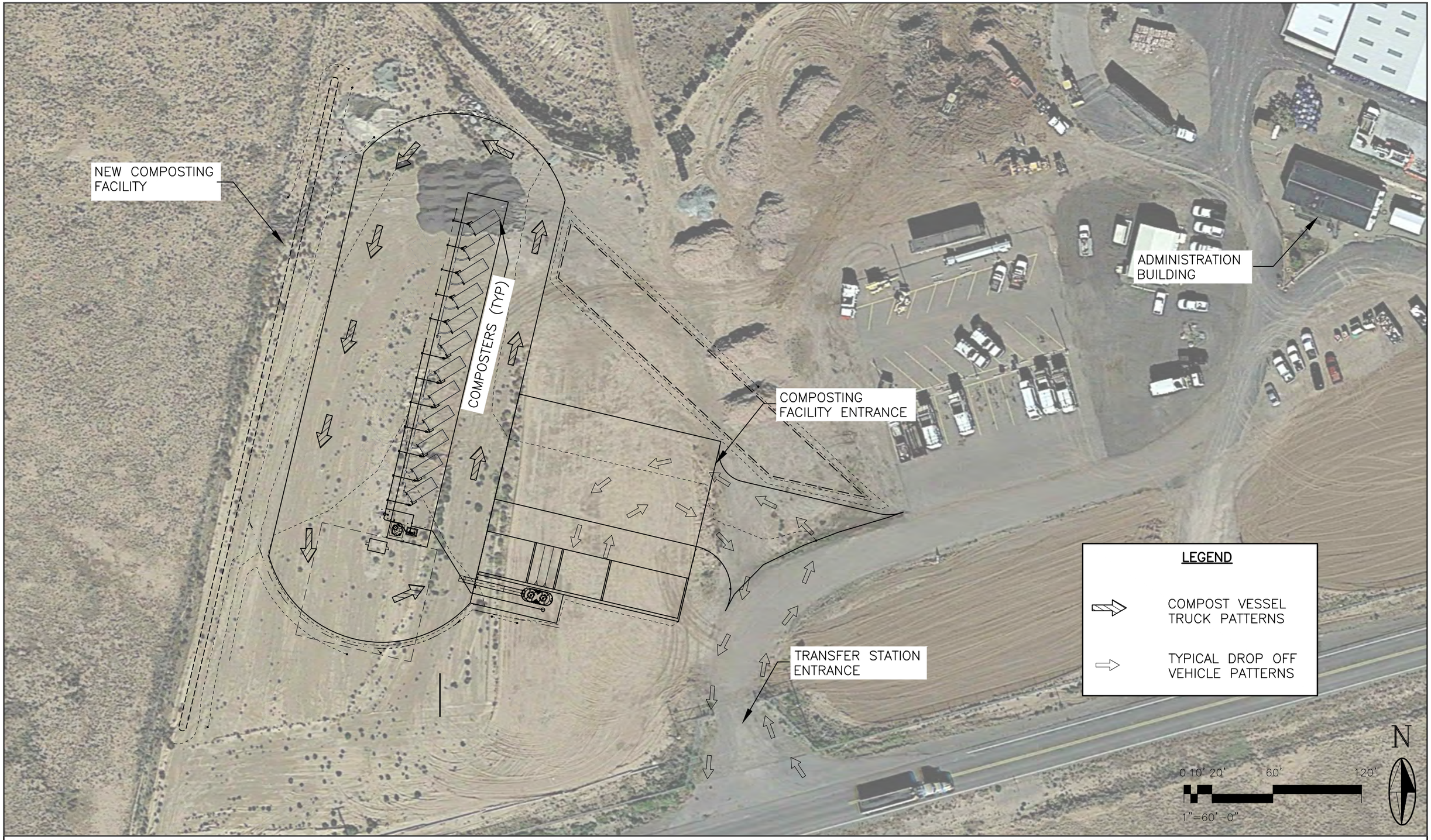
load will be instructed to remove the contamination, if feasible, or deliver the waste to another location within the VLLTS that can accept the contaminated waste.

Areas of high traffic within the facility are either paved or constructed from compacted basecourse to prevent erosion and mitigate dust formation. There are stockpiles of other materials on the VLLTS site that could be used if dust becomes a problem is less trafficked areas, such as asphalt millings and ground glass.

The composting process utilizes a forced air system to pull air through the compost piles and eject it through a biofilter to mitigate odors. In general, the green waste feedstocks are unlikely to cause to odors unless they are contaminated. The brown wastes (livestock manure, WWTP sludge cake, food wastes, etc.) generate more odors when they begin to decompose. Standard practice at the Composting Facility is to incorporate these wastes into a compost mix within a few hours of delivery to the site. The Composting Facility will not accept brown wastes if there is no green waste available.

4.4 Traffic Within Facility

Traffic within the facility will generally follow the pathways identified in Figure 4-2.



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TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

FIGURE 4-2

COMPOSTING FACILITY TRAFFIC PATTERNS

5.0 WASTE MATERIAL INFORMATION

5.1 Acceptable Materials

The following materials are acceptable at the Composting Facility:

- Green Wastes:
  - Tree and brush stumps (< 10" in diameter).
  - Tree and brush trimmings.
  - Grass clippings.
  - Leaves.
  - Untreated lumber.
- Brown Wastes:
  - Livestock manure.
  - Dewatered WWTP sludge cake.
  - Source-separated food wastes from commercial facilities.

5.2 Unacceptable Materials

In addition to the prohibited wastes that are unacceptable at the VLLTS, the following materials should not be accepted at the Composting Facility:

- Municipal Solid Wastes.
- Green Wastes:
  - Treated lumber.
  - Plywood, particle board, or other similar products.
  - Wood pallets.
  - Any wood containing metal, such as nails or screws.
- Brown Wastes:
  - Fecal matter from household pets.
  - Liquid wastes, such as septage.

5.3 Facility Handling Capabilities and Expected Life

The Composting Facility was planned to be constructed in at least four phases for a total processing capacity of about 20 tons per day. The Village opted to construct the first two phases of the project at the same time so the initial processing capacity is about 10 tons per day of compost.

The expected life of the facility will depend on the availability of feed stocks and the maintenance of the equipment, but the Village intends to operate the Composting Facility as long as the VLLTS continues to operate. A summary of the different major component types and expected life spans with good maintenance is provided in Table 5-1.

TABLE 5-1
ANTICIPATED EQUIPMENT LIFE CYCLES

Equipment Type	Anticipated Time Period Before Rebuild/Replacement
Composters/Biofilters	20 to 25 years*
Mechanical Equipment (pumps, valves, etc.)	10 to 15 years
Buried Rigid Plastic Piping Systems	40 to 50 years
Exposed Rigid Plastic Piping Systems	15 to 20 years
Flexible Plastic Piping Systems	10 to 15 years
Metallic Piping Systems	20 to 25 years
Process Instrumentation	5 to 10 years
*Insulation may require more frequent replacement	

6.0 COMPOSTING PROCEDURES

6.1 Composting Operations Description

The composting operation generally consists of mixing green waste and brown waste together in a specific ratio to promote aerobic decomposition and stabilization of one or more feedstocks into a material that can be reused for a beneficial purpose. The blended product that is called a compost mix or pile. The VLLTS Composting Facility was originally conceived as a synergistic project that would allow the SWD to convert landfill-bound waste streams from multiple Village departments for land application to Village greenspaces. A simplified diagram of the composting process is depicted in Figure 6-1.

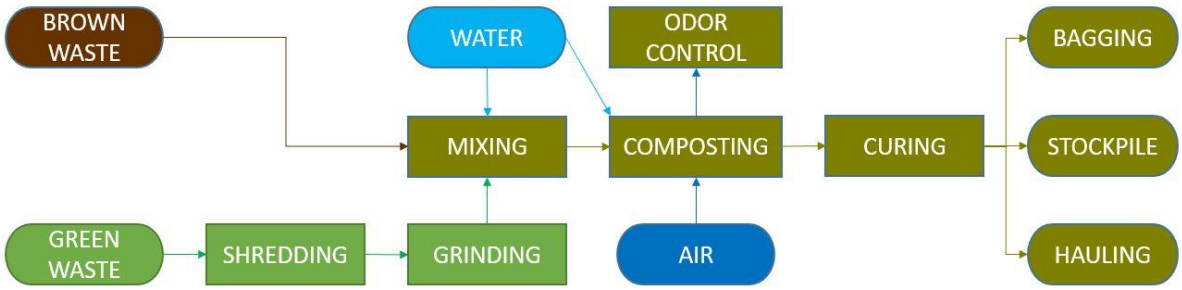

FIGURE 6-1
SIMPLIFIED COMPOSTING PROCESS DIAGRAM

Green waste, sometimes referred to as bulking material, has a high carbon-to-nitrogen ratio and serves two important functions in the composting process: providing pathways for air entrainment and carbon for the biodegradation process. Typical types of green waste include trees, brush, branches, and landscape trimmings. Brown wastes are significantly richer in nitrogen and phosphorus content and also volatile solids. The carbon in the green waste supplements the nitrogen and phosphorus that is necessary for the microbes in the composting pile to break down the volatile solids.

The raw materials will have different handling and processing requirements depending on their origin, type, and desired end products. The composting mix design will vary depending on the

composition of the feedstocks utilized. The characteristics of the waste streams are discussed in general terms in this section. However, precise characterization of the waste streams utilized for composting is typically not required. The one exception would be if testing of the cured compost reveals elevated concentrations of any of the pollutants listed in Table 2-1. Under most circumstances, the brown waste will be the likely culprit for heavy metals, but it is also possible for green wastes to accumulate these pollutants. Testing the sources individually for the pollutants

6.2 Raw Material Handling and Storage

The anticipated materials to be used for composting were discussed in Section 5.0 and the material drop-off areas were shown previously in Figure 3-2. All material to be used in the composting process should be inspected in accordance with Section 5.0 prior to processing and mixing.

6.2.1 Wastewater Treatment Plant (WWTP) Sludge Cake Sludge Cake

Dewatered sludge cake from the WWTP is a brown waste that is considered an unstabilized product since it contains pathogens and will attract vectors. Special care should be taken to ensure that direct contact with the sludge cake is minimized. Loading equipment, such as front-end loaders and mini-track loaders, should be used to move the cake from the drop off location to a temporary storage location or for loading sludge into the mixing system.

Sludge cake should be incorporated into a compost mix as quickly as possible to avoid odors and mitigate exposure risks. Storage of any quantity of sludge cake for a duration of more than a few hours during the operating day is not recommended. If temporary, short-term storage is required, the sludge cake should be piled in an area such that it can protected from the wind and rain.

Recommended PPE for handling sludge is discussed in Section 9.0.

6.2.2 Livestock Manure

Livestock manure is similar to WWTP sludge cake in that it contains pathogens, will attract vectors, and is also considered a brown waste. Special care should be taken to ensure that direct contact with the manure is minimized by using loading equipment to move any manure from the drop off location to a temporary storage location or for loading manure into the mixing system.

Incorporating manure into a compost mix as quickly as possible will help avoid odors and mitigate exposure risks. Storage of any quantity of livestock manure for a duration of more than a few hours during the operating day is not recommended. If temporary, short-term storage is required, the manure should be piled in an area such that it can be protected from the wind and rain.

Recommended PPE for manure handling is discussed in Section 9.0.

6.2.3 Food Waste

Although not yet implemented, the composting facility could begin to accept source-separated food wastes from restaurants and grocery stores. It may also be possible to implement a Village-wide municipal food waste collection service if green waste feed stocks are sufficient. Food wastes typically do not pose a pathogen exposure risk unless contaminated. However, food wastes will attract vectors and should be handled and stored appropriately to reduce this potential.

Incorporating food wastes into a compost mix as quickly as possible will help avoid odors and mitigate vector attraction potential. Storage of food wastes in any quantity for a duration of more than a few hours during the operating day is not recommended. If temporary, short-term storage is required, the food waste should be piled in an area such that it can be protected from the wind and rain.

Recommended PPE for food waste handling is discussed in Section 9.0.

6.2.4 Green Waste

Green waste may be delivered to the site in any number of forms and can be stored on site in the designated areas while awaiting processing. These areas were designed to protect the green waste from the wind. Precipitation onto a stored green waste pile is not considered problematic. Green waste can be moved by hand, but should generally be moved using the loading equipment available at the VLLTS.

Storage piles of raw green waste should be minimized to the extent practical and rotated at least monthly to mitigate the potential for vector attraction. Processed green waste poses less of a risk, but should still be incorporated into a compost mix as soon as possible.

Recommended PPE for handling green waste is discussed in Section 9.0.

6.2.5 Waste Characterization

A summary of the important characteristics of the waste streams is provided in Table 6-1.

TABLE 6-1
SUMMARY OF WASTE STREAMS

Waste Material	Moisture Content (% w/w)	Specific Weight (Tons/cubic yard)	Carbon-to-Nitrogen
WWTP Sludge Cake	80% to 90%	0.86	4.5:1
Livestock Manure (fresh)	80% to 90%	0.86	5-25:1
Food Waste	50% to 70%	0.33	15-20:1
Green Trees (Chipped)	40% to 50%	0.25	100 to 500:1
Dried Trees (Chipped)	15% to 30%	0.154	100 to 500:1

6.3 Raw Material Processing

The only material requiring processing is green waste collected by the SWD or dropped off by the community. The VLLTS currently owns a small brush chipper with a ten inch maximum capacity and plans to eventually purchase a waste shredder. The brush chipper is a medium duty machine designed for light, frequent use. The brush chipper is depicted in Figure 6-2.

FIGURE 6-2
BRUSH CHIPPER
(Figure 6-2 Comment: Figure to be replaced once composting construction is completed.)

Green waste should be processed using the brush chipper to produce a material that is approximately two to three inches in nominal length. Larger and smaller material is permissible, but will impact the efficiency of the composting process. If the majority of the processed green material is too large or too small it will inhibit air pathways within the composting pile and could result in anaerobic pockets that are undesirable. Anaerobic processes will generate odors and

could potentially produce a significant amount of methane, which can cause ignition of the compost pile.

6.4 Raw Material Blending

The composting facility is equipped with a Trioliet 2-3200 Stationary Total Mixed Ration (TMR) mixer with weighing system and inclined AMP conveyor. The mixer is powered by a 220-hp motor with variable frequency drive. The conveyor is powered by a 30-hp motor with a full voltage non-reversing starter. At full capacity, the mixer can be loaded to within four inches of the top of the mixer for a total capacity of approximately 41.9 cubic feet of material. The mixer should not be filled to this level as the quantity of material will be greater than can be added to the composting vessels. The mixer and conveyor are depicted in Figure 6-3.

FIGURE 6-3
MIXER AND CONVEYOR
(Figure 6-3 Comment: Figure to be replaced once composting construction is completed.)

The mixer is equipped with a weight scale and visual display for ensuring a good ratio of materials is achieved. A typical ratio for composting mixes is 1:1 green to brown waste based on weight, which usually translates to a volume ratio of about 3:1. These ratios should be tracked over time by logging the characteristics of each batch made and the resultant composting process performance so that adjustments to the process can be made over time.

Water is also a critical element in the composting process and usually needs to be added to achieve the desired 40% to 60% moisture content. Too little or too much water will inhibit the process and could result in the inability of the process to reach the required temperatures. In the arid southwest, it is usually a good practice to mix the pile slightly wet of optimum and allow it to dry during operation, especially in the drier months. Seasonal moisture targets may be developed based on the operators experience and data trends gathered during operation. A handheld soil moisture meter and a building material moisture meter can be used to determine the approximate moisture content of the feedstocks prior to mixing. The amount of water required can then be calculated according to the following equation:

$$lbs\ of\ water = \frac{(60\% - sludge\ moisture) * lbs\ sludge + (60\% - green\ moisture) * lbs\ green}{100\% - 60\%}$$

The carbon-to-nitrogen ratio is also a very important parameter for composting. Generally, a C:N ratio of about 30:1 is the recommended starting point. As shown in Table 6-1, the feedstocks will vary greatly in their C:N ratios. Precise calculation of the C:N ratio is not required for proper operation of the facility, but can be calculated if the C:N ratio of both feedstocks has been characterized. Characterization will typically be more difficult for the varied green wastes that are utilized, but should remain fairly constant over time for the WWTP sludge cake. The resultant C:N ratio of the mixed products can be calculated as follows if the percentage of either carbon or nitrogen is known for each material:

$$C:N = \frac{Q_1 * C_1(100 - M_1) + Q_2 * C_2(100 - M_2)}{Q_1 * N_1(100 - M_1) + Q_2 * N_2(100 - M_2)}$$

Where: Q = *mass of material*

C = *% carbon*

N = *% nitrogen*

M = *% moisture*

A typical compost mix for one, 20-foot composter (about 90% full) is demonstrated in Table 6-2. Typical moisture contents and C:N ratios for numerous common composting materials have been evaluated and compiled in reference books that are commonly available.

TABLE 6-2
TYPICAL COMPOSTING PILE MIX DESIGN

Material	Weight (tons)	Volume (cubic yards)	Moisture Content (% w/w)	C:N	Weight Carbon (lbs)
WWTP Sludge (Waste Activated)	8.2	9.5	85%	4.5:1	980 (6.0%)
Chipped Trees (Dry)	8.2	28.5	20%	300:1	4,428 (27%)
Water	3.07	740 (gallons)	100%	N/A	N/A
Blended Product	19.5	38.0	60%	26.9	5,408 (14%)

Drier brown wastes, such as livestock manure, will typically require more water to accomplish a good mix.

The order of material introduced to the mixer is very important to ensure a good mix is achieved. In general, lighter and drier materials should be loaded first followed by materials of increasing weight and moisture content. Water, if any, should be introduced last. All materials should be added with the mixer already operating. Once all materials have been introduced, the entire mix should be allowed to blend together for several minutes. A typical mixing process is as follows:

1. Start mixer at moderate speed.
2. Add lightest, driest material (usually green waste).
3. Adjust mixer speed if needed.

4. Add material in increasing order of wetness:
    a. Manure.
    b. WWTP sludge cake.
    c. Food waste.
5. Adjust mixer speed if needed.
6. Add water.
7. Adjust mixer speed if needed.

During or prior to mixing, the biofiltration or composting vessel is positioned beneath the discharge of the conveyor and tilted so that the compost mix will distribute within the vessel naturally. After mixing is complete, the hydraulic discharge door on the mixer is opened with the mixer still operating to facilitate unloading of the mixer onto the conveyor. The contents of one mixer will fill one biofiltration or composting vessel approximately 90% full.

6.5 In-Vessel Composting Operation

Once the compost is mixed and placed into the composting vessel, the vessel should returned to its appropriate location and connected to the aeration system and leachate collection system. The temperature probe should also be inserted into the vessel. The in-vessel composting process is controlled by a programmable logic controller (PLC) installed in the control panel in the composting facility electrical building. A more detailed description of the control system operation is provided in Section 7.0.

The composting process has three basic phases shown in Figure 6-4: warming, composting, and curing. During the warming phase, microbial activity is increasing and producing heat while air is drawn through the composting vessel to maintain aerobic conditions at a rate of approximately 160 cfm per composter. Once the pile reaches 40°C, the composting phase begins in which the pile temperature accomplishes vector attraction reduction by volatile solids decomposition. Pathogen reduction is accomplished throughout the composting phase, but the most effective time period is the minimum three day period in which the pile is maintained above 50°C with an average pile temperature above 55°C. The temperature of the pile should be maintained below

60°C so that the composting microbes do not die off prematurely. After the composting phase is complete, the curing phase begins in which microbial activity decreases and the pile temperature is allowed to decrease. This phase can be completed with the pile still in the vessels or outside the vessels. It is recommended that curing occur outside of the vessels so that it can occur more rapidly. The entire cycle typically requires about 30 days from the day the pile is mixed and added to the vessel to the day it is ready for distribution.

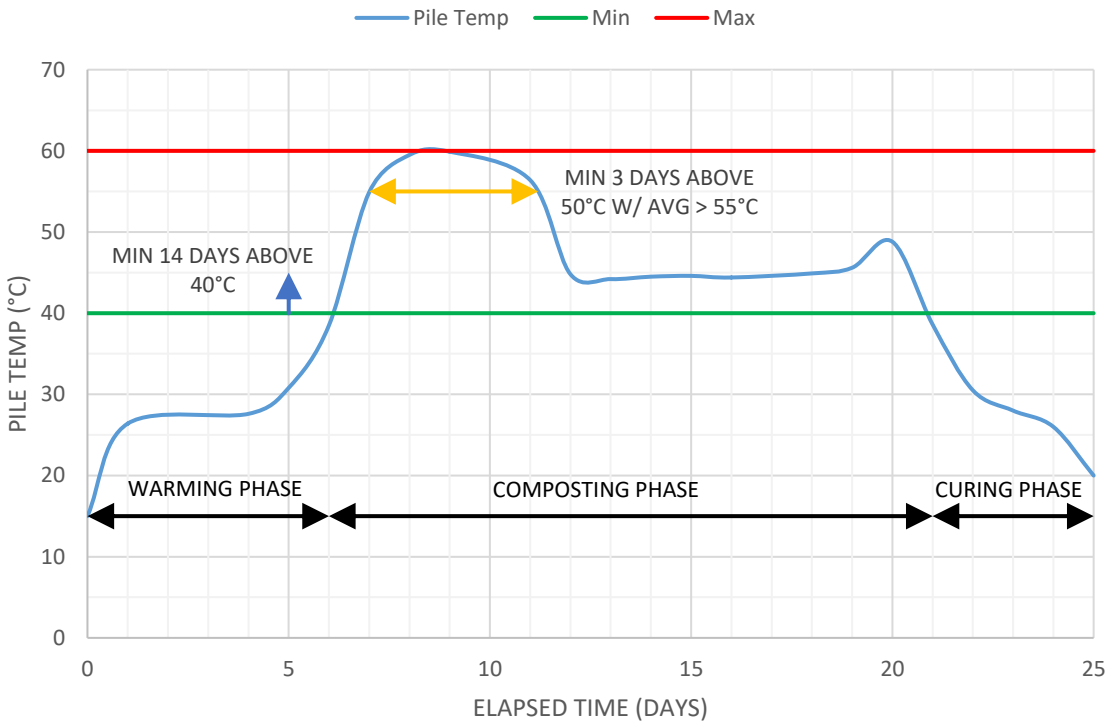

FIGURE 6-4
COMPOSTING PROCESS PHASES

During operation, a small volume of excess liquid will typically discharge from the composters and biofilters. The liquid discharge from the composters and biofilters are called leachate and condensate, respectively. Typical volumes are less than 50 gallons per batch of compost mixed unless the mix is excessively wet. The liquid is discharged into a polyvinyl chloride (PVC) pipe collection system and pumped into a 3,000-gallon storage tank by the grinder pumping station. The storage tank is also connected to the suction side of the compost mix wetting pump.

The control system for the composting aeration equipment was not provided with data logging and trending capabilities and tracking of the process must be done manually. Temperature readings and the current air flow rate are recorded three times daily (7:00am, 12:00pm, 4:00pm) during all phases of the composting cycle while the pile is in the vessel. A temperature and air flow log sheet is maintained in the electrical building for each composter and digitized at the end of every month in a spreadsheet.

It is extremely important that the pile batch identification (ID) number is tracked through the entire composting process so that any issues with the process or the resultant product can be traced for troubleshooting purposes.

6.6 Biofilter Media Replacement

The biofilter media requires replenishment with fresh media every four to six months or more frequently if noticeable odors develop. Media replenishment is accomplished by completely removing the contents of the biofilter and replacing at least half of the media with cured compost. The biofilter mix should be initially wetted similar to the composting mixes, but less water is required. This is because the humid air drawn from the warmer composters and pushed through the cooler biofilters will condense and provide moisture to the biofilter mix.

6.7 End Product Use

The Composting Facility will typically produce a product similar to a mulch that is an exception soil amendment and erosion control material. This also makes the green waste a one-time use product. Some facilities run the cured compost through a screening device that will separate the larger mulch-like materials from smaller pieces. The larger materials are then recycled into the process so that the carbon of the green waste can be utilized multiple times. This is especially helpful when green waste sources are limited or delivery is seasonally dependent. The Composting Facility does not currently have a screening device, but may purchase one in the future if deemed appropriate.

Many biological processes recycle some of their end product back to the beginning of the process to provide seed material. Recycling enhances the process by introducing the microbial community to the compost pile directly rather than waiting for the conditions of the pile to naturally develop the community. Recycling of cured compost is not a current practice, but may be introduced in the future if feedstocks become limited or cycle times need to be reduced.

Testing and characterization of the cured compost will be required to show compliance with 40 Code of Federal Regulations (CFR) Part 503 and 20.6.2 NMAC. Testing is discussed further in Section 10.0.

6.8 Process Troubleshooting

Composting is a fairly robust process that should not require a lot of intervention from the operator as long as a viable mix design is utilized. Over time, the operator may make adjusts to the mix to account for varying feedstock conditions, seasonal effects, and other similar influences. Most problems with the composting process are due to one of the following conditions:

- Moisture content outside the optimum range (40% to 60%).
- Insufficient carbon.
- Insufficient air to maintain aerobic conditions.

These conditions are influenced by the compost mix design and can occur at the same time. Generally, moisture content outside the optimum range will be wet of optimum (>60%). The additional moisture could restrict air pathways and create pockets with anaerobic conditions. The compost pile should still heat, but may take a few extra days to achieve the required temperatures as the pile dries and the air pathways open.

6.9 Alternative Waste Disposal Methods

The SWD has several disposal methods available if the composted material does meet the required thresholds for Class A biosolids or the pollutant criteria identified in Table 2-1, including:

1. Attempting to recompost by blending with fresh material.
2. Haul to the WWTP Division's liquid sludge surface disposal site.
    a. Not viable if Table 2-1 criteria are exceeded.
3. Haul to a special waste landfill.
4. Incorporate into the VLLTS's waste stream if material is otherwise accepted at the VLLTS.

7.0 ELECTRICAL AND CONTROL SYSTEMS

7.1 Site Power Distribution

Power to the Composting Facility is delivered from the same transmission lines as the rest of the VLLTS, but the Composting Facility has its own dedicated service with meter and transformer. The feed from the transformer is distributed to other stepdown transformers and the electrical equipment via a switchboard in the Composting Facility Electrical Building.

The overhead power is provided as 12,470V, 3-Phase, 60Hz. A PNM-owned transformer steps this down to 480V power and passes it through a meter before entering the main switchboard. The switchboard provides 480V power to the following equipment:

- Mixer and Conveyor Control Panel.
- Supplemental Moisture Pump.
- Main Control Panel (VFDs for process air blowers only).
- Mini-Power Center.

The mini-power center is equipped with a stepdown transformer that converts the 480V, 3-Phase, 60Hz power to 240V, Single Phase, 60Hz power. The mini-power center provides power to the following equipment:

- 240V:
  - Electrical Building Load Center (HVAC equipment, lights, etc.).
  - Leachate Collection System Grinder Pump (1 existing, 1 future).
- 120V:
  - Main Control Panel PLC.
  - Supplemental Moisture Pump Enclosure Heater.
  - Leachate Piping Heat Trace.
  - Leachate Tank Heat Trace.
  - Receptacles at Field I/O Boxes.

7.2 Composting Control System

Each set of five composters and the associated biofilter operate independently from the other sets. Air is pulled through the composters by a blower and discharged through the biofilter. The air flow rate through each composter and the biofilter is measured by a differential pressure transmitter installed in a pitot tube on the outlet piping of each composter. The control system modulates a valve on the air piping to vary the rate through each vessel based on the reading from the temperature probe and utilizes the blower's variable frequency drive (VFD) to control the overall speed and air flow rate of the blower.

All of these systems are controlled by a PLC in the electrical building.

7.3 Mixer and Conveyor Control System

The mixer and conveyor systems are controlled by a remote cabinet located adjacent to the mixer. The mixer motor is equipped with a VFD so that the rate of mixing can be adjusted to suit each individual mix's needs. Generally, heavier mixes with larger sized green material will require a higher frequency setting on the VFD in order to provide sufficient torque to the mixer impellers.

7.4 Leachate Collection System

Leachate from the composters and condensate from the biofilters is conveyed through a buried PVC pipe to an Environment One Corporation grinder pumping station. The pump station's wet well has a capacity of approximately **75** gallons and is equipped with one 15 gallon per minute pump with space for a second, identical pump to be installed in the future. The pump turns on and off based float switches installed in the wet well. Pumped leachate/condensate is delivered to a 3,000-gallon storage tank located near the pump station.

7.5 Compost Mix Wetting System

The compost mix wetting system is almost entirely manually controlled. The valve positions must be adjusted by hand to allow the pump to operate and the pump must be started manually using the pushbutton located adjacent to the wetting hydrant. The pump will continue to run until it is shutdown using the off pushbutton. The operator must watch the mixer scale readout while the pump is on to shut the pump down when the required amount of moisture has been added.

The 3,000-gallon tank does not have any automated controls and must be visually inspected to determine the level. It is equipped with a reverse float for visual indication of the liquid level inside the tank. The tank is insulated and equipped with a 120V heat tracing system to prevent freezing during colder months. The above ground piping is also insulated and heat traced with a 120V system. Power to the heat tracing systems is provided by the Mini-Power Center and both systems are controlled by adjustable thermostats.

7.6 Electrical Building

The electrical building contains the main power distribution switchboard, the main control panel for the composting equipment, and the VFDs for the composting blowers. The electrical building protects the sensitive electrical equipment from the elements and is equipped with heating and ventilation equipment that is designed to keep the space within the equipment's required operating conditions. It is not designed as an occupied space that is maintained at typical conditions for human comfort.

The record drawings depicting the layout of the equipment and the Composting Facility's electrical one-line diagram are provided in Exhibit 1 – Location Map, Site Plan, and Engineering Drawings.

8.0 FACILITY MAINTENANCE

8.1 General Housekeeping

General housekeeping practices are followed at the Composting Facility that include:

- Visual inspection of all equipment components before and after each use.
- Monthly exercising of all valves and other rotational assemblies.
- Immediate clean-up of any spills.
- General equipment maintenance.

8.2 Heavy Equipment

The heavy equipment utilized for the Composting Facility is shared with the rest of the VLLTS. Maintenance of that equipment is covered in Exhibit 2 – General Operations Plan.

8.3 Mixer and Conveyor

The mixer and conveyor system include several subsystems that require maintenance: hydraulic system, cooling system, drive system, and belt system. The manufacturer's operation and maintenance information is provided in Appendix A. It is recommended that the SWD utilize a factory-certified maintenance technician to perform an annual comprehensive maintenance check on the equipment. Other minor tasks such as external lubrication of bearings and checking tolerances can be performed by Composting Facility personnel.

8.4 Composting and Biofiltration Vessels

All of the moving parts (hinges, latches, etc.) on the composting and biofiltration vessel doors are visually inspected with the vessels empty and assessed for operability. The metal for these components may degrade over time and become difficult to open due to corrosion. The moving parts are lubricated with a non-penetrating, hydrophobic silicone-based product, such as WD-40® Specialist® Water Resistant Silicone Lubricant, to prevent corrosion and maintain

usability of the vessels. It should be noted the indicated product is not the standard WD-40® Lubricant that is commonly used in households. While this product will work, it requires more frequent application and is generally less effective than the specialized silicone lubricant.

The insulation inside of the vessels is inspected for dents and holes after each batch is emptied. Any loose or missing hardware is replaced with Type 316 stainless steel hardware. Stainless steel coated or plated hardware is not sufficiently resistant to corrosion and is not used inside the vessels. The polyethylene floor is also inspected for blockages after each batch is emptied and the floor has been swept. Blocked floor openings are rodded to reopen any blocked pathways.

The manufacturer's operation and maintenance manual is provided in Appendix B.

8.5 Composting Aeration System

The composting aeration system consists of the blowers, air piping, valves, instrumentation, pipe supports, control system and other accessories. The blowers are inspected and maintained according to the manufacturer's written maintenance schedule. The other system components are visually inspected by the operators on a monthly basis for signs of corrosion, fatigue, and failure. The main maintenance concerns are material fatigue from sun exposure and failure due to impact from equipment and vehicles moving through the Composting Facility. If needed, temporary repairs using clamps or boots are used until the affected piping can be replaced with new materials.

The pressure transmitters and temperature probes are calibrated and their functionality verified every six months. The automated functioning of the air valves and VFD for the blowers is also verified with each batch of compost. It is recommended that the SWD contract with a factory-certified maintenance technician to perform a comprehensive annual maintenance check on the aeration system components. Other tasks are performed by SWD personnel.

The manufacturer's operation and maintenance data for the aeration system is provided in Appendix C.

8.6 Leachate Collection System

Leachate and condensate tend to be slightly acidic and can cause corrosion within the collection system over time. The system is flushed at least once per month or with every other reuse water tanker delivered to the Composting Facility, whichever is greater. No more than 200 gallons over the course of 10 minutes is used to ensure that the pumping system is not overloaded. The leachate collection system is video-inspected for issues every five to ten years.

The leachate pumping equipment is inspected quarterly in accordance with the manufacturer's recommended maintenance schedule. The manufacturer's maintenance information for the pumping equipment is provided in Appendix D.

8.7 Compost Mix Wetting System

The compost mix wetting system consists of the 3,000-gallon storage tank, supplemental moisture pump and enclosure, and the associated piping systems. The storage tank is designed to prevent the accumulation of any solids and should not need to be flushed unless the tank is left out of use for a period of one month or more. The interior of the tank is inspected quarterly with the tank empty. The heat tracing systems for the tank and the piping are inspected monthly during cold months and electrically tested in accordance with the manufacturer's instructions every September, or earlier, to verify operation before freezing conditions occur.

The supplemental moisture pump is maintained in accordance with the manufacturer's instructions. The enclosure heater system is inspected and tested following the same procedure as the heat tracing systems.

At the end of each day of compost mixing, the compost mix wetting forcemain needs to be drained via the back drain valve buried near the wetting pump to ensure that the pipe does not freeze. Making this process standard practice, even during warmer months, will ensure that it is not inadvertently forgotten during the transition from warmer to colder months.

The manufacturer's maintenance information for the 3,000-galllon storage tank, supplemental moisture pump, pump enclosure, and the pipe heat tracing systems are provided in Appendix E.

8.8 Litter, Odor, Dust, Noise, and Vector Control

General housekeeping of the Composting Facility ensures that litter, odors, dust, noise, and vector attraction are minimized. Litter is generally not a problem since only certain green and brown wastes are accepted and processed by the Composting Facility. Odors and vector attraction are mitigated by the biofiltration system and minimizing the amount of time brown wastes are onsite before being incorporated into a compost mix. Stored raw materials awaiting processing are also rotated regularly to prevent vectors from creating nests or otherwise inhabiting stockpiles. The development plan for the facility includes space for a future building to enclose the material processing equipment to mitigate noises if the area around the VLLTS begins to develop.

9.0 HEALTH AND SAFETY PROVISION

9.1 Personal Protective Equipment (PPE)

SWD policy states that the following PPE is required at all times when working within or around the Composting Facility:

- Hard hat.
- N-95, or better, dust mask.
- Ear muff type hearing protection rated for 30 dB(A) noise reduction or better when operating material processing equipment.
- High visibility safety vest with reflective surfaces.
- Work gloves:
  - Disposable nitrile gloves should be worn for brown waste handling.
- Safety glasses:
  - Safety goggles should be worn for brown waste handling.
- Steel-toed boots.

9.2 Safety Procedures

All new hires are trained in specific safety procedures and protocols immediately and will also receive the VLLTS Operation and Safety Manual upon being hired. Annual safety training is required for all personnel, along with monthly training provided by the Village. It is important to note that not all potential safety and emergency incidents may be responded to as written in the Operation and Safety Manual. It is the responsibility of the Composting Facility to be able to apply safety protocol when needed, but also to be able to make judgement calls that are unique to each individual situation.

Anytime a workplace injury occurs, the SWD conducts a post-incident investigation and analyzes whether or not additional policies or safety procedures could have prevented the incident. If required, amendments are made to the policies and procedures to protect against future incidents.

9.3 Personnel Safety Training Program

The VLLTS personnel are required to attend monthly safety classes put on by the Village in addition to annual training that is provided by the SWD. Composting Facility staff and personnel are not limited to these two opportunities for health and safety training. Should an accident, spill, or other emergency situation occur at the VLLTS, the SWD will review the incident and provide follow-up training so that personnel can learn how to address and prevent future incidents. General health and safety training topics for the Composting Facility include:

- Proper use of PPE.
- Safety equipment for equipment operation.
- Health risks and exposure mitigation.
- Fire prevention.
- Raw material Handling, Processing and Stockpiling Area practice and safety.

10.0 DOCUMENTS, RECORD KEEPING, AND REPORTING

10.1 Sampling

There are two kinds of sampling used for monitoring and operating of biological processes: compliance and operational. Compliance sampling must be done by a certified laboratory and the frequency of sampling varies by the quantity of compost produced. Table 10-1 summarizes the compliance sampling frequency requirements from 40 CFR Part 503. In general, operational sampling is recommended at least twice as frequently as compliance sampling. Sampling is required to occur as close as possible to the time when the biosolids are distributed to the public, used or disposed.

TABLE 10-1
40 CFR PART 503 SAMPLING FREQUENCY REQUIREMENTS

Total Biosolids Produced (Tons per Year)	Frequency
Less than 320	Annually
Equal to or greater than 320 but less than 1,653	Once per Quarter
Equal to or greater than 1,653 but less than 16,530	Once per 60 days
Equal to or greater than 16,350	Once per month

The number of samples taken should be representative of the product produced, which will usually require multiple samples. A general rule is to use small quantities from several locations and depths within a compost pile to create at least three, 500-milliliter composite samples for analysis. The average concentration and range for each pollutant can then be determined and reported from the sampling results.

NMAC 20.9.3.14 (G) and 20.9.3.27 (D)(4)(m) also state that the produced product has to be tested in accordance with NMAC 20.6.2. However, NMAC 20.6.2.3104 and 20.6.2.3105 do not appear to require a groundwater discharge permit for land application of Class A biosolids and so no additional sampling per NMAC 20.6.2 is required.

Currently, the Composting Facility does not plan to distribute compost to the general public. As such, this material is not marketed as a soil conditioner and no additional sampling is required in accordance with the New Mexico Fertilizer Act.

10.2 Documentation

As discussed in Section 6.0, the following characteristics are tracked for the composting process:

- Pile Mix Characteristics (each mix):
  - Green material type, weight, C:N ratio, and moisture content.
  - Brown material type, weight, C:N ratio, and moisture content.
  - Amount of water added.
  - Batch ID and Vessel Number.
- Composting Process Characteristics (3x daily):
  - Temperature.
  - Air flow rate.

A spreadsheet for tracking this data is maintained by the Lead Composting Facility Operator.

10.3 Annual Reports and Summary

Each year, the Lead Composting Facility Operator will prepare and submit a certified operating record that details the following:

- Type and weight or volume of compostable materials received.
- Type and weight of uncomposted material sold or otherwise disposed of offsite.
- Characterization of composted material sold or otherwise disposed of offsite, including pollutant sampling results.
- Any additional information requested by the SWB.

10.4 Event Notification

The VLLTS shall notify NMED, both orally and in writing, within 24 hours of an occurrence of a spill, fire, flood, explosion, mass movement of waste, or similar event at the Composting Facility.

Upon discovery of the receipt of unauthorized waste at the Composting Facility, the VLLTS shall notify NMED, the hauler, and the generator, in writing, within 48 hours, unless the waste is otherwise able to be disposed of through the VLLTS's standard operating procedures.

APPENDIX A

MIXER AND CONVEYOR OPERATION AND MAINTENANCE DATA

(To be populated after construction completion.)

APPENDIX B

COMPOSTING AND BIOFILTRATION VESSEL OPERATION AND MAINTENANCE DATA

(To be populated after construction completion.)

APPENDIX C

COMPOSTING
AERATION SYSTEM OPERATION
AND MAINTENANCE DATA

(To be populated after construction completion.)

APPENDIX D

LEACHATE COLLECTION SYSTEM OPERATION AND MAINTENANCE DATA

(To be populated after construction completion.)

APPENDIX E

COMPOST MIX WETTING SYSTEM OPERATION AND MAINTENANCE DATA

(To be populated after construction completion.)

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
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VOLUME 2: EXHIBIT NO. 4 WASTE SCREENING AND INSPECTION PLAN

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May 2021

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Appendix B: Waste Screening and Inspection Training

Appendix C: Waste Screening Training Program Example

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WASTE SCREENING AND INSPECTION PLAN

ABBREVIATIONS AND ACRONYMS

Facility	Village of Los Lunas Transfer Station
MSW	Municipal Solid Waste
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
PPE	Personal Protective Equipment
SWD	Solid Waste Division
WSA	Waste Screening Area
VLLTS	Village of Los Lunas Transfer Station

1.0 GENERAL INFORMATION

This plan was developed in accordance with Paragraph 2 of Subsection B of 20.9.5.8 NMAC. The plan includes a description of the inspection frequency, inspection personnel, inspection method, training program, and notification and operational procedures in the event of suspicious and/or unauthorized waste.

1.1 Purpose of the Waste Inspection Program

The purpose of the Waste Screening and Inspection Program is to detect and prevent the delivery of unauthorized waste to the Village of Los Lunas Transfer Station. In general, waste screening and inspection is intended to:

- Prevent unauthorized waste from entering the VLLTS.
- Identify generators who are improperly disposing of unauthorized waste.
- Protect the health and welfare of employees who might come into direct contact with unauthorized waste while processing it.
- Protect the health and welfare of the general public from a release of unauthorized hazardous waste.
- Protect the environment from a release of unauthorized waste or possible contamination.
- Increase the overall operating efficiency of the Transfer Station.

2.0 ACCEPTABLE AND UNACCEPTABLE WASTE

Residents of the Village of Los Lunas are permitted to dispose of waste at the VLLTS. A valid water bill and form of identification is required to validate residency and authorize use of the Transfer Station. Residents of the greater Valencia County will also be allowed to use the VLLTS; however, a fee will be charged. Please refer to the Village's website for additional information regarding residential drop-off.

2.1 Acceptable Waste

The following materials are accepted at the Village of Los Lunas Transfer Station:

- Municipal Solid Waste
- White Goods
- Scrap Metal
- E-Waste
- Green Waste
- Paint (Five gallons per year, per customer.)
- Tires (Five per household. Ten per calendar year.)
- Used Oil (Five gallons. No water or mixed fuel. Ten gallons per calendar year.)
- Car Batteries
- Chemicals (Bug spray, weed control, etc. Household quantities only.)
- Old Furniture
- Recyclables

The following recyclable materials are accepted at the Village of Los Lunas Transfer Station:

- Cardboard (Non-wax / non-pizza box cardboard.)
- Aluminum
- Plastic (No. 1 and No. 2 only.)
- Paper
- Metals
- Glass

2.2 Unacceptable Waste

The following materials will not be accepted at the Village of Los Lunas Transfer Station:

- Any Level of Radioactive Waste
- Hazardous Waste
- Biohazards and Medical Waste
- Commercial Truck Tires or Tractor Tires
- Containers Without Labels
- Electrical Ballast with Polychlorinated Biphenyl (PCB)
- Electrical Ballast Without Manufacturing Labels (Mfg)
- Asbestos
- Mercury and Items Containing Mercury
- Fluorescent Tubes
- Construction and Demolition Debris
- Sand or Gravel
- Ash
- Infectious Waste
- Sludge
- Industrial Solid Waste that requires special handling
- Chemical Spill Materials that require special handling
- Petroleum-Contaminated Soil
- Treated Formerly Characteristic Hazardous Wastes (TFCH)
- Packing House and Killing Plant Offal
- Special Wastes Not Otherwise Specified

3.0 WASTE SCREENING

The Village of Los Lunas Transfer Station will permit items mentioned in Section 2.1 to be dropped off at the facility in the appropriate locations by residential users. All residential customers who drop off waste material at the facility are required to disclose the type of waste to VLLTS personnel on arrival and are subsequently guided by staff and personnel to the appropriate holding area for their given load. This practice allows Transfer Station personnel to pre-screen, screen, and separate residential loads in a quick and efficient manner.

The SWP's primary means of preventing unacceptable material off of the tipping floor is by source segregating all waste before it enters the Transfer Station Building and by informing the public of which types of waste are not acceptable. All Solid Waste Division (SWD) collection vehicle drivers depositing municipal solid waste (MSW) at the Transfer Station are trained to look for irregular-sized loads, waste material sticking out of collection bins, as well as unmarked waste bins that do not belong to the Village of Los Lunas's SWD. If unauthorized waste is detected, the bin is not collected and the customer is notified.

Village collection vehicles directly deposit MSW onto the tipping floor unless the driver suspects that potentially hazardous or unauthorized waste has been picked up on its route or if the Transfer Station Operator has randomly selected the collection vehicle for screening and inspection. The VLLTS inspects one load per day as that is greater than 1% of incoming loads per day. If an inspector is required, the Transfer Station Operator will prompt the driver to deposit their load in the waste screening area (WSA). The WSA is a fixed area and can be moved as necessary to facilitate inspection and isolate the waste by at least 50 feet from the active area of the tipping floor at all times. Once isolated appropriately, the Operator and a spotter will begin to screen the separated waste for visual indicators of hazardous waste such as, large metal containers, any unmarked containers or containers that exceed five gallons, and red or orange biohazard waste bags. The Operator and a spotter uses Personal Protective Equipment (PPE) including, but not limited to, safety shoes, eye protection, hard hat, ear protection, gloves, high visibility vest, and dust masks. See Figure 3-1 for a layout of the Transfer Station Building and typical WSA location.

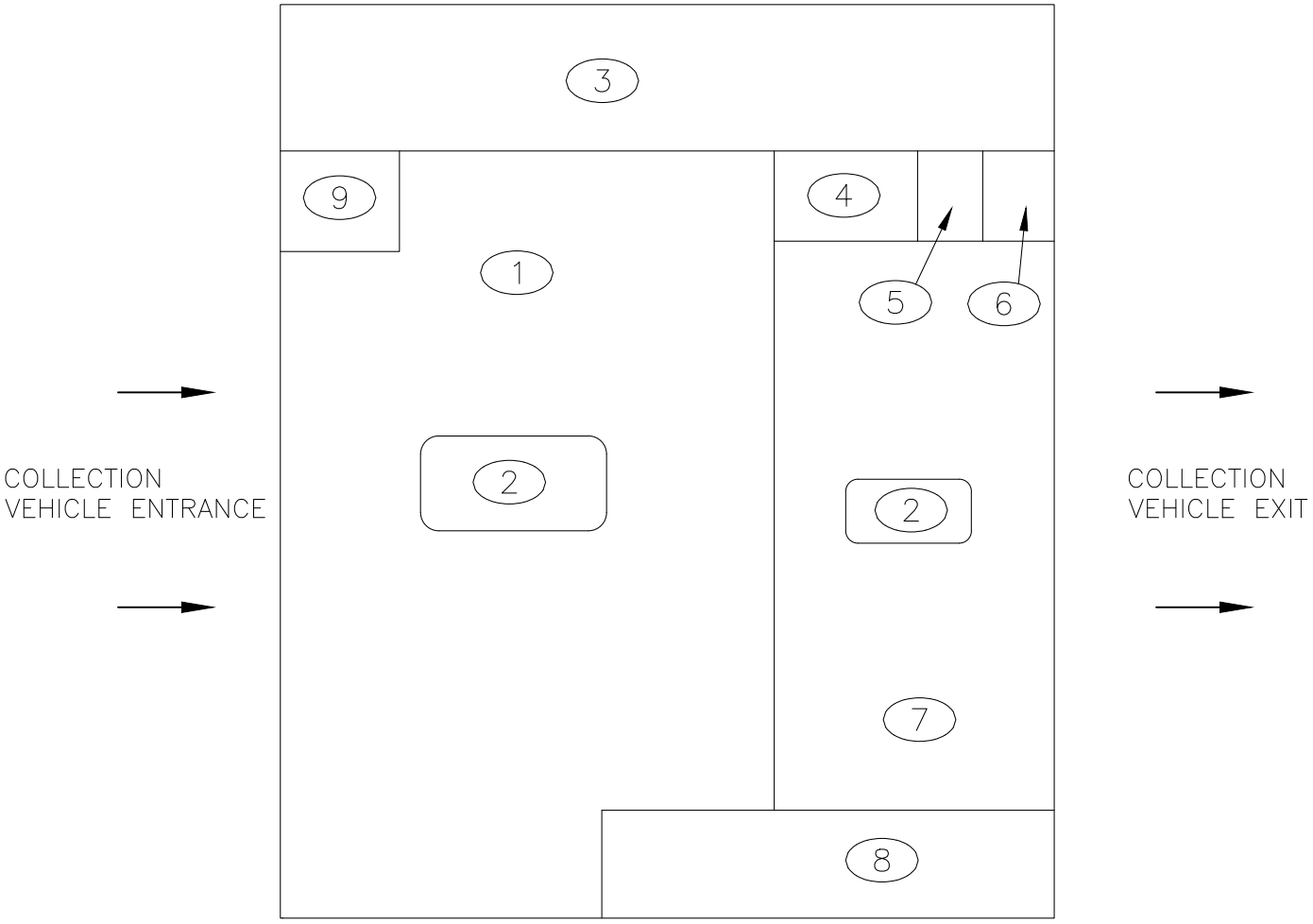
3.1 Acceptable Waste Practice and Policy

3.1.1 Residential Waste Drop-Off

After check-in and screening with the on-duty Transfer Station operator, all acceptable waste material will be directed to the appropriate waste holding areas located on the property.

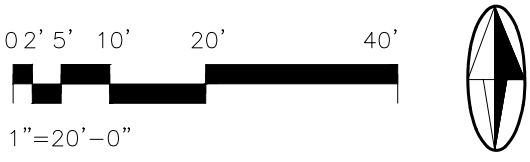
3.1.2 Collection Vehicle Waste Drop-Off

All collection vehicles whose drivers did not identify any potentially unacceptable items on their routes will proceed to drop off their loads inside the Transfer Station Building. All waste deposited on the tipping floor will be pushed into the transport trailer for compaction if the operator sees no indication of unacceptable waste. All MSW will ultimately be transported to either the Sandoval or Valencia County landfills.



NOTE: WASTE SCREENING AREA (WSA) IS NOT A FIXED SPACE. WSA WILL MOVE AROUND AS WASTE IS ADDED. HOWEVER, WSA MUST BE 50 FEET FROM THE ACTIVE TIPPING AREA.

1. MAIN TIPPING FLOOR
2. WASTE SCREENING AREA (WSA)
3. COLLECTION TRUCK TUNNEL
4. OFFICE ROOM
5. UTILITY ROOM
6. RESTROOM
7. UPPER TIPPING FLOOR
8. CARDBOARD AND PLASTIC PROCESSING AREA
9. TOOL ROOM



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

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FIGURE 3-1

TRANSFER STATION BUILDING LAYOUT

3.2 Unacceptable Waste Practice and Policy

3.2.1 Residential Waste Drop-Off

Unauthorized waste, described in Section 2.2, will not be accepted at VLLTS. If unauthorized waste is detected upon pre-screening or screening, the on-duty operator will record the date, time, vehicle and driver descriptions, and the type of waste that was denied entry. The driver of the unacceptable waste will be turned away and prompted to deposit waste at either the Sandoval or Valencia County landfill, if applicable.

If unauthorized waste from a residential drop-off is discovered after the screening process, the particular material will be isolated and quarantined from the acceptable residential waste stream using physical barriers such as wooden barricades or chains to restrict public access and be further inspected. Upon further inspection, if waste is deemed non-hazardous or does not present apparent risk to Transfer Station personnel or the environment, the Transfer Station will transport the waste to an appropriate third-party company which is permitted to properly handle the waste. If the unacceptable waste material is recognized as a hazardous material and requires special handling from a trained professional or team, Transfer Station personnel will notify the on-duty operator and/or the SWD Superintendent, who will contact the appropriate agency to respond to, and clean up, the hazardous waste.

3.2.2 Collection Vehicle Waste Drop-Off

As mentioned in Section 3.0, the on-duty Transfer Station operator is the primary individual responsible for screening waste received from SWD collection vehicles on the tipping floor. If any suspect waste material or object is identified by the Transfer Station operator, that piece of waste will be moved into the WSA and quarantined from the remaining waste on the tipping floor using physical barriers and will be further inspected. The tipping floor will remain active, and other collection vehicles will still be able to drop off waste on the tipping floor.

The on-duty operator and other properly trained personnel will use rakes, hoes, and shovels to sift through the potentially unauthorized material to determine its status. If the waste material is in fact unacceptable, yet it is not a threat to Transfer Station personnel or the environment, the VLLTS will remove the material from the WSA and transport the unacceptable waste to a third party to properly dispose of the waste.

Much like unauthorized waste from a residential drop-off, if the waste is seen as a health hazard and an immediate threat to the health and safety of Transfer Station personnel, the Transfer Station operator will notify the SWD Superintendent, and the appropriate authorities will be contacted. See Exhibit 6 to see full list of agencies to be contacted should hazardous waste be discovered at the VLLTS. Subsequently, the Transfer Station would be temporarily shut down until all hazardous and/or contaminated waste is properly cleaned up and taken offsite for proper disposal. All incoming collection trucks and residential vehicles will be temporarily diverted to the Sandoval or Valencia County landfills.

4.0 INSPECTING WASTE

Inspecting suspicious waste material is the Transfer Station's last line of defense to prevent unauthorized and potentially dangerous material from entering the facility's waste stream, which could possibly endanger personnel as well as the environment. The VLLTS recognizes this responsibility and has a detailed waste-screening and inspection training plan laid out in Section 6.0 of this Exhibit, as well as safety precautions that go into effect while inspecting waste in Section 5.0.

4.1 General Inspection Practice and Procedure

For any waste inspection scenario, these are the general steps taken by Transfer Station Operator and a spotter:

1. The VLLTS screens and inspects load daily. The Transfer Station Operator will randomly pick a vehicle to inspect every day.
2. The randomly selected collection vehicle will be directed to deposit waste in the WSA by the Transfer Station Operator.
3. Any suspicious waste discovered while pre-screening and screening is automatically reported to the Transfer Station Operator if another qualified staff member is conducting the initial inspection.
4. Proper waste-screening PPE- is utilized, such as safety boots, eye protection, hard hat, ear protection, gloves, high visibility vest, and dust masks. Section 8.1 in Exhibit No. 2 contains more information about PPE used during waste screening and inspection and throughout the facility for everyday activity.
5. Suspicious waste is isolated from its host waste stream and isolated in a separate part of the WSA.

6. The suspicious waste is inspected using rakes, hoes, and shovels to prevent Transfer Station personnel from having direct contact with potentially dangerous material. During the inspection, the Transfer Station Operator will fill out the VLLTS waste inspection report that is located in Appendix A of this Exhibit.
7. Once the suspicious waste is inspected, there are four possible outcomes:
    - If the inspected waste is not hazardous and is an accepted waste material at the VLLTS, it will be returned to the municipal waste stream.
    - If the inspected waste is not hazardous but is an unacceptable waste material at the VLLTS, the waste material will be removed from the Transfer Station and transported to a third party that can properly handle the waste.
    - If the inspected waste is a hazardous waste material that requires a trained professional(s) to properly clean up and dispose of the waste, the Transfer Station Operator or Transfer Station personnel carrying out the inspection will use physical barriers such as wooden barricades or chains to properly delineate where the unauthorized waste is located and to restricted any access to the unauthorized waste. The operator or spotter who is not creating the barrier will notify the SWD Superintendent immediately, and the superintendent will notify the proper emergency agency to clean up the material (see Exhibit 6 for further emergency details and emergency agency contact info.)
    - If the suspicious waste is unable to be identified as hazardous or non-hazardous, Advanced Environmental Solutions (see Exhibit 6 for contact info) **will** be contacted and asked to analyze and test the piece of waste. In most cases, Advanced Environmental Solutions would handle disposing of the waste according to their policy and protocol for precautionary reasons.
8. If the suspicious waste is hazardous and requires special clean-up, the Transfer Station will temporarily shut down and all waste will be diverted to the Sandoval or Valencia County landfills.

5.0 HEALTH AND SAFETY

Maintaining a safe and clean work environment for personnel and residential customers is of great importance to the SWD. Proper safety practices and procedures are a significant portion of new hire training, as seen in Section 8.3 of Exhibit 2. Safety during waste inspection activities is a recurring training topic for all employees. Safety drills, emergency training, equipment training, proper cleaning of the tipping floor, and familiarization with contingency plans (Exhibit No. 6) are ways in which the SWD establishes a safe working culture at the VLLTS.

Inspecting waste puts personnel in closer proximity to potentially dangerous material than normal Transfer Station operations. Inspection personnel (primarily the Transfer Station operator) are well aware of the potential risk inherent to inspecting waste and are properly trained, certified, and equipped for the required job functions.

5.1 Personal Protective Equipment

All personnel will wear PPE in accordance with the Personal Protective Equipment Plan that is discussed in Section 8.1 of the General Operations Plan.

Personnel who inspect loads of waste shall wear PPE consisting of:

- Hard hats
- Safety glasses
- Level 4 puncture-resistant gloves
- High-visibility safety vests
- Safety-toed shoes

Additional PPE that may be used includes:

- Hearing protection
- Heavy-duty work coveralls
- Tyvek suit or equivalent
- Goggles or full face shield
- Nitrile gloves or equivalent
- N-95 particulate respirator (dust mask)

6.0 WASTE SCREENING AND INSPECTION TRAINING PLAN

Personnel who conduct waste inspections, typically the Solid Waste Supervisor, Assistant Solid Waste Supervisor, and the Transfer Station Operator will perform their duties in accordance with the Personnel Training Plan that is detailed in Section 2.3 in Exhibit 2. All Transfer Station personnel will be trained by either the Solid Waste Supervisor, Assistant Solid Waste Supervisor, or the Transfer Station Operator, on the following general topics regarding waste inspection and screening listed below and in the training outline provided in Appendix C:

- Unacceptable and acceptable waste material at the VLLTS
- Tipping floor operation
- Potential "red flag" indicators of unacceptable and/or hazardous materials such large metal containers, any unmarked containers or containers that exceed five gallons, and red or orange biohazard waste bags.
- How to properly section off suspicious waste from the rest of the tipping floor
- Whom to contact if hazardous waste is found on the tipping floor
- How to implement the contingency plans in place

The VLLTS personnel will also be trained on the following categories of regulated wastes and their descriptions:

Municipal Solid Waste- Everyday waste from homes, offices, and schools.

Hazardous Waste- Waste that is corrosive, ignitable, reactive, or toxic. In general terms, waste with properties that make it dangerous or capable of having a harmful effect on human health or the environment.

Universal Waste/Household Hazardous Waste- Waste with a set of streamlined standards that promote the collection and recycling of universal waste, ease the regulatory burden on retail stores and other generators that wish to collect these wastes and transporters of these wastes, and encourage the development of municipal and commercial programs to reduce the quantity of these wastes going to municipal solid waste landfills or combustors for commonly generated

hazardous wastes such as batteries, pesticides, aerosols and mercury-containing equipment and lamps. Can be stored for a year and are not required to be transported with a manifest. At the VLLTS, only batteries, pesticides, and aerosols are accepted in "Household quantities."

TSCA- The Toxic Substances Control Act of 1976 which addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon, and lead-based paint. All of these materials are unauthorized wastes and not permitted at the VLLTS.

PCBs- A group of man-made organic chemicals consisting of carbon, hydrogen and chlorine atoms. PCBs have no known taste or smell, and range in consistency from an oil to a waxy solid. PCBs may be present in products such as capacitors, cable insulation, adhesives, oil-based paint, and plastics. PCBs have been banned since 1979.

Personnel will continue to undergo annual recurring training in these topics after initial hire. Attendance is required at monthly safety meetings hosted by the Village of Los Lunas.
The VLLTS management also implements additional safety trainings for which attendance is mandatory. Required annual training criteria is developed in accordance with 20.9.7.9 of the NMAC. Exhibit No. 2, Section 2.0 provides details on the training plan for all personnel at the VLLTS. All training is documented using the, "Training Attendance Form" that is attached in Exhibit 2 Appendix F.

7.0 DOCUMENTATION AND RECORD KEEPING

All waste screening and inspection records and documents will be kept on-site inside the Transfer Station Building office. The report will become part of the facility's operating record in accordance with 20.9.5.16 NMAC. Records will be maintained in accordance with Section 9.0 in Exhibit 2.

7.1 Inspection and Screening Reports

The Transfer Station operator fills out a load inspection form for the waste brought onsite. It can be used for Village collection vehicles or for residential drop-offs. The inspection form is in Appendix A.

7.2 Documenting and Reporting Unacceptable Material

Inspection results are recorded when unacceptable material is encountered. The date, time, nature of the waste, information about the generator/source, and the inspector are documented for later reference. The actions taken by VLLTS personnel and the outcome are also recorded. These records are kept in the Transfer Station operator's journal.

Waste from residential drop-off users is screened as the patron is unloading. Screening reports are likewise documented when unacceptable material is encountered.

The SWD Superintendent is responsible for reporting, in writing, unacceptable wastes (i.e., mercury in sufficient quantity, hazardous, or radioactive waste) to the NMED and generator within 48 hours of discovery of unauthorized waste disposal at the facility.

APPENDIX A

LOAD INSPECTION FORM

Village of Los Lunas Transfer Station Load Inspection Form

Date	Time	Hauler/Address	Vehicle Description	License #	Type of Waste	Quantity of CY	Description of Unauthorized Waste (if needed)	Rejected Load	Generator of Unauthorized Waste (if known)	Sign In

Observations/Explanation_____

_____

_____

_____

_____

Actions taken to manage, reject, and assure proper disposition of unauthorized waste _____

_____

_____

_____

_____

APPENDIX B

WASTE SCREENING AND INSPECTION TRAINING

Waste Screening Procedures

Loads containing only acceptable material may be deposited directly onto the tipping area. Any load containing other materials or unacceptable materials or industrial waste must first be dumped in a waste screening area (WSA) to remove unacceptable materials prior to pushing the waste into the tipping floor area

[Provide a map showing the WSA or include a detailed description of where it will be located and how it will be kept separate from the active tipping floor]

- All drivers delivering must sign in, date, time and specific route.
- Ideally, the operation should pre-inspect each load before it enters the WSA. Loads that contain unacceptable materials should be diverted to another waste facility authorized to accept those materials, or if the loads are accepted by the operator should be dumped in the WSA for the removal of unacceptable material
- The WSA does not need to be in a fixed location, but can be moved as the site is developed. The WSA should be located within 50 feet of the active tipping floor.
- The operator must separate the WSA from the active tipping floor. This may be accomplished by using physical barriers, such as logs, chains or cones. The operator is responsible for the properly delineating and maintaining the two dumping areas.
- For drivers dumping load before transfer station business hours shall inspected their load. If anything is found the driver will call in an operation of the transfer station to begin a waste screening.
- The operator will then move the load in to the WSA and proceed on doing the inspected.
- During business hours the operator inspected each load that is dump from commercial and residential trash trucks.
- The operator shall not place more waste in the WSA then can managed in a working day.
- The operator and a trained spotter will have on all PPE included but not limited to safety shoes, eye protection, hard hat, ear protection, gloves, high visibility vest and dust masks.
- The operator with the help of a trained spotter will spread out load with tools such as backhoe, rakes, hoes, and shovels.
- The operator shall inspect and remove unacceptable material from waste dumped in the WSA and move the inspected and cleaned waste to the tipping area of the landfill on a weekly basis. The operator will document the inspection.
- Upon discovery, unacceptable waste must be removed from the loads and stored appropriately. Operator will question the driver to determine the origin of waste. The operator will document the origin of waste.

The unacceptable wastes must then be transferred to an appropriate disposal facility as needed. The operator will document inspection and NMED will be notified.

APPENDIX C

WASTE SCREENING
TRAINING PROGRAM EXAMPLE

Waste Screening at Solid Waste Facilities in New Mexico

Presented by
New Mexico Roadrunner Chapter of SWANA
Prepared in conjunction with the New Mexico Environment Department, Solid Waste Bureau – August 2009

Waste Screening
Topics covered:

- **Regulations and Issues**
- **Types of Waste**
- **Preparation for Waste Screening**
- **Fundamentals of Waste Screening**
- **Level of effort / Random Load Selection**
- **Physical Examination and field testing**
- **Managing Unacceptable Wastes**
- **Recordkeeping**

Lesson I - Overview of Regulations and Issues

Why screen incoming wastes?

- **Required by the New Mexico Solid Waste Rules: 20.9.2 -20.9.10 NMAC**
- **Unauthorized wastes can create problems:**
  - **environmental hazards (potential liability)**
  - **potential for public or employee injury**
  - **potential for bad publicity**

Transfer Station

Update: 117 hospitalized after New Bedford gas release

6:11 PM Mon, Aug 03, 2009 | Permalink
Alan Rosenberg ✉ Email

Outside St. Luke's Hospital, medical personnel treat people Monday after they were exposed to unknown fumes at ABC Disposal Services Inc. trash disposal company. (AP / Standard Times, Andrew J. Gallagher photo

By Thomas J. Morgan, Karen Lee Ziner and Tom Mooney
Journal staff writers

NEW BEDFORD, Mass. -- Two of 117 people taken to area hospitals after the release of an unknown gas at a city trash company are unresponsive and breathing with the aid of ventilators, said the medical director at St. Lukes Hospital.

The other 115 people who arrived by buses and the dozens of ambulances that responded to the emergency at ABC Disposal Services Inc. Monday morning are in good condition, hospital officials say. Most have been treated and released.

Some of those people, however, will be admitted, said Joyce Brennan, a spokeswoman for St. Lukes. ``A number had to be decontaminated,'' she said. ``And a number of police and fire [personnel] also.''

State Fire Marshal Stephen D. Coan said that so far, investigators have not identified the component that had sickened so many.

New Bedford Fire Chief Paul Leger said the first 911 call came in at 10:27 a.m., with a report that personnel at ABC had been overcome. Investigators earlier in the day described the gas as some sort of ``dense vapor.''

Rules

New Mexico Solid Waste Rules 20.9.5.8 - General Operating Requirements For All Solid Waste Facilities.

- **B. Owners and operators of a solid waste facility shall:**
- **(1) have a certified operator or representative present at all times while the facility is operational;**
- **(2) implement a plan approved by the secretary to inspect loads to detect and prevent the disposal of unauthorized waste, including:**
- **(a) inspection frequency;**
- **(b) inspection personnel;**
- **(c) method of inspection; and**
- **(d) a training program for the facility employees in the identification of unauthorized waste, including hazardous waste, hot waste, and PCB's;**

Rules (continued)

- **(3) maintain a written operating record in compliance with 20.9.5.16 NMAC;**
- **(4) notify the department both orally and in writing within 24 hours of an occurrence of a spill, fire, flood, explosion, mass movement of waste, or similar event;**
- **(5) upon discovery of the receipt of unauthorized waste:**
- **(a) notify the department, the hauler, and the generator in writing within 48 hours;**
- **(b) restrict the area from public access and from facility personnel; and**
- **(c) assure proper cleanup, transport and disposal of the waste;**

Rules (continued)

- **(6) ensure that copies of contingency plans are readily accessible to employees on duty; and**
- **(7) train employees when hired and at least annually thereafter on when and how to implement contingency plans and document in the operating record that such training has been conducted.**
- **C. The secretary may order temporary changes in operation or facility design in emergency situations when the secretary determines there is an imminent danger to public health, welfare or the environment.**
- **D. If recyclable materials such as used oil, antifreeze, paint, or similar materials are diverted from the waste stream at a solid waste facility, the materials shall be stored for no longer than twelve months and shall be maintained in a covered area, not exposed to the weather, with secondary containment.**

Screening for PCBs and Regulated Hazardous Wastes may not be enough

- for example Mercury - highly toxic metal
- Major sources of Mercury:
  - **paint residues**
  - **thermometers**
  - **thermostats**
  - **fluorescent light bulbs**
  - **household batteries**

- **New Mexico Solid Waste Rules state:**
  - ***load inspections will be done to detect and prevent the disposal of unauthorized waste***

  For what do you screen?
  - **hazardous materials**
  - **toxic materials**
  - **non-permitted special waste**
- What about ***household hazardous wastes*****?**
- What about **conditionally exempt small quantity generators** of hazardous wastes**?**

- **Waste screening will:**
  - **reduce likelihood of future negative impacts**
  - **reduce the severity of threat, should contamination occur**
  - **identify generators disposing of prohibited waste improperly**
- **Waste Screening will not:**
  - **eliminate possible liability should remedial actions be necessary**

- **Regulated hazardous wastes, PCB wastes, and other toxic materials may enter facilities in small quantities**
  - **consider cumulative amounts**
  - **and potential impacts**
  - **Detect by inspection of selected loads**
  - **When hazardous waste from a commercial or industrial source is detected, assume it is a regulated hazardous waste**

Federal Regulations

- Code of Federal Regulations (CFR) Part 258, Subpart C - RCRA - Effective Oct 9, 1993
  - **Requires screening only at landfills**
  - **Notification of Discovery to State Director**
  - **Native AmericanTribes or Pueblos should notify EPA Regional Administrator**

Lesson II - Types of Wastes & Generators

- Hazardous Wastes - RCRA Subtitle C
  - **A waste is hazardous if:**
    - **Listed by the EPA in the CFR 40, Part 261**
    - **or**
      - **Characterized as Hazardous waste as defined by the EPA:**
        - **Ignitability - Flashpoint 140F, or less**
        - **Corrosivity - pH <2 or > 12.5**
        - **Reactivity - unstable - may explode or produce gas**
        - **Toxicity (TCLP) - simulates leaching conditions in soils. Acid solution tested after being extracted. (will identify heavy metals, pesticides, organic solvents - see manual for TCLP (toxicity characteristic leaching procedure) constituents & levels**

Regulated Hazardous Waste Generators

- **Regulated Generators**
  - **must receive EPA identification # via Hazardous Waste Bureau of NMED**
    - **Large Quantity Generators**
      - **produce GT 1000 kg (2200 lbs.) in 1 month**
        - **approx. (5) 55 gal. steel drums**
      - **or produces 0.02 gal (approx. 1 kg or 2.2 lbs. of acutely hazardous waste in 1 month - i.e. *arsenic trioxide and copper cyanides*)**

- **Small Quantity Generators**
  - produce between **100 and 1000 kg per month**
  - this is **1/2 of a steel drum up to (5) - 55 gal drums** (220 - 2,200 lbs.) per month
- **Conditionally exempt small quantity generators (CESQG's)**
  - **produce less than 100 kg (approximately 220 lbs. per month) of hazardous waste**
  - **may dispose of in state permitted, subtitle D (non-hazardous) landfill**
  - **cannot legally place in landfill w/o consent of owner/operator - landfill has the authority to deny disposal**

Special Wastes include:

- **treated formerly characterized hazardous wastes (TFCH): e.g. neutralized with acid, solidified, etc. – must be an approved EPA procedure**
- **packing house and killing plant offal**
- **asbestos (regulated & non-regulated)**
- **Ash (from the incineration of solid waste at a power generating or solid waste facility-see definition in the Rules for specifics)**
- **infectious waste**
- **sludge, except compost meeting 40CFR 503**
- **industrial solid waste (see definition in the Rules)**
- **spill of chemical substance or commercial product**
- **dry chemicals, which, when wetted, become characteristically hazardous**
  - **example: lye**
- **petroleum contaminated soils**

Special wastes continued

- *20.9.2.7.S(13) NMAC* ***"special waste means solid waste that has a unique handling, transportation, or disposal requirements to assure protection of the environment and the public health, welfare and safety, …"***
- ***Specific special wastes must be approved for disposal in the facility solid waste permit or they are considered an unauthorized waste.***

A Regulated Waste:

- **usually state and federal programs**
- **disposal method is prescribed by law or regulation**
- **Examples of Federally regulated wastes:**
  - **hazardous wastes**
  - **PCBs**
  - **radioactive wastes**
  - **asbestos**
- **Examples of State regulated wastes:**
  - **biomedical**
  - **special wastes**

Universal Waste Rule Jan. 1, 1997

- ***Makes recycling Easier***
- **Who's affected?**
  - **regulated generators (large and small)**
- **What wastes are "Universal"?**
  - **Batteries (Ni-Cad, sealed lead-acid)**
  - **Pesticides (recalled, banned, obsolete, or just not needed)**
  - **Thermostats/Thermometers (mercury)**
- **What are the benefits of the rule?**
  - **streamlined notification, labeling, tracking**
  - **extended accumulation (storage) time limits**
  - **reduced transportation requirements**

Lesson III - Waste Screening Preparation

- pre-plan basic actions
- set policy
- plan carefully and thoroughly for the unexpected
- arrange for alternative disposal options
- Murphy's law - Be prepared !

Random Waste Screening Will:

- **increase recognition of regulated, prohibited and unauthorized wastes by facility users & staff**
- **Establish proper disposal mechanisms**
  - **for refusing regulated, prohibited or unauthorized wastes**
  - **for recognizing generators who are not disposing of waste properly**
- **ID generators not disposing of waste properly**
- **Establish intent of operator to follow rules requiring the screening of wastes.**

Waste Screening Site Selection

- Do not conflict with traffic patterns
- Minimize weather impacts - mud, wind
- Locate nearby but not directly at the daily tipping location

Waste Screening Area

- Screening Pad - if possible (not frequently used)
  - lined with curbs, catch basins, sloped to drain
  - under drains, holding tank
  - roofed, walls - possibly tire bales, fencing,
  - signs excluding unauthorized persons
- Segregated area nearby the active tipping area but far enough away for safety
  - Use cones and possibly heavy equipment

Lesson IV – Fundamentals of Waste Screening

- Know your Generators & Haulers
- Suspicious waste indicators - a review
  - **hazardous markings**
  - **liquids**
  - **powders or dusts, soils, turf**
  - **sludges or biosolids**
  - **bright or unusual colors**
  - **Drums of commercial size containers**
  - **“chemical odors”**

If you find something suspicious:

- Segregate
- Document and photograph (use unauthorized waste form)
- question driver
- review waste manifest (if used)
- contact generator
- use protective equipment
- call response agency if necessary
- notify NMED Solid Waste Bureau

Random Load Checking

- Minimum Screening requirements:
  - **Protective clothing & equipment**
  - **rakes, shovels, etc.**
  - **procedure for moving waste to fill area (if allowed)**
  - **procedure for transport or disposal if removal is required**
  - **decontamination procedure of inspection site**

Prohibited Waste:

- **Cannot be disposed of in landfill due to federal, state, or local regulation; but**
- **Prohibited wastes include:**
  - **radioactive**
  - **bulk liquids**
  - **lead-acid batteries**
  - **used oil**
  - **hazardous or toxic waste (unless exempted)**
  - **infectious waste**
  - **non-permitted special wastes**

Responsibility

- Generator - ultimately responsible
- Hauler - responsible if knowingly accepted regulated / prohibited waste
- Landfill / transfer station / MRF
  - notify hauler/generator of violation
  - secure waste to keep contamination from spreading or being tampered with
  - maintain necessary documentation
  - contact NMED Solid Waste Bureau
  - should assist with proper disposal of the waste

Other regulated wastes such as radioactive or waste oil

- **Liabilities of landfilling or returning waste to the hauler include:**
  - **violation of state or federal regulations (such as hauler is not registered to haul regulated or special waste)**
  - **may receive similar waste in the future**
  - **may illegally dispose of it**

Summary

- **Goal is to identify generators of unacceptable wastes**
- **solution: close cooperation among the landfill, transfer stations, haulers and regulatory agencies**
- **Result : proper management of wastes**

Recordkeeping and notification requirements

- **Document each inspection and discovery of prohibited waste**
- **Information to include:**
  - **date & time of material detection**
  - **hauler name (company & driver)**
  - **materials detected**
  - **generator(s) if able to identify**
  - **actions taken**
  - **efforts taken if hazardous material discovered**
  - **responsible employee in charge**

Public Information and Education

- make them aware screening is occurring
- regulated and prohibited wastes - what are they and why are they bad
- proper methods of disposal for these wastes - where do you take your batteries, oil, pesticides, herbicides

Lesson V - Level of Effort/Random Load Selection

- **20.9.5.8.B(2) NMAC - requires implementation of a plan to "detect and prevent disposal of unauthorized waste..."**
- **screening incoming wastes (non-residential)**
- **excluding all regulated hazardous waste, PCBs & other prohibited wastes**
- **documentation of these inspections**
- **stats for proving your waste screening is effective**

Factors affecting probability of finding hazardous waste

- **commercial/industrial % of community**
- **# of small quantity hazardous waste generators**
- **level of hazardous waste regulatory effort**
- **hauler / collector screening practices**
- **level of public education**

Recommended Sampling Frequency

- **minimum : 1 vehicle per day or 1% of total vehicles per day, whichever is greater**
- **increase frequency if unauthorized wastes are being found on a regular basis**
- **normally just screen commercial loads but you may want to screen a few residential loads for education of the public**

Methodology for selecting random loads based on:

- **Probability that a load might contain prohibited or hazardous waste** (i.e. from what industry, company, area)
- **random selection procedure which ensures anyone can be checked at any time**
- **ability to check loads that are "suspicious" at any time**
- **at any time -- Be unpredictable ! !!**

Lesson VI – Physical Examination and Field Testing

- Identify types of prohibited wastes generated in your community
- Identify probable sources of these wastes
- Identify vehicles that collect from these sources
- Conduct preliminary screening
- Notify haulers of the screening program
- Develop forms for surveys & recordkeeping

Physical Examination and Field Testing

- Basic Equipment
  - **PPE**
  - **shovel**
  - **three-pronged rakes**
  - **sample containers or bags**


C & D

Physical examination and testing continued

- **labels for identification of samples**
- **marker flags on wires**
- **pocket tape recorder/tapes**
- **camera**
- **watch to record times and time tests**
- **forms**
- **HHW spinning wheel**

Powered equipment to assist in load inspections

- front end loader
- bulldozer
- compactor


2196

Protective Clothing & Equip

- **safety goggles**
- **chemical resistant boots - covered/hard toes**
- **leather or chemical resistant gloves**
- **bright colored jacket or vest**
- **hard hat**
- **tyvek suit and boot covers**
- **respiratory protection (dust mask or respirator)**

Recommended Personnel Requirement:

- Tetanus shot
- Hepatitis B virus vaccination
  - ***screeners receive more than incidental exposure to blood borne pathogens***

Physical and Sensory Examination

- Look - Listen - Smell
- Use senses to identify:
  - **liquids**
  - **large containers**
  - **powders**
  - **hazardous waste labels (i.e. symbols, colors)**

What do you commonly ask vehicles at the gate?

- Do you have any oil, liquids, or batteries?
- Where did you collect?
- Did you notice anything peculiar?

Special Items to Look for:

- **Transformers - suspect all for oil, although it is usually not present - do accept without oil**
- **fluorescent light fixtures – do not accept with ballast (usually black box 3”x 9”) These could contain PCBs. Refer to local hazardous material contact**
- **Batteries – do not accept if > household quantity**
- **Cathode Ray tubes - TV, computer monitors - May contain mercury. Contact computer or electronics store**

More special items to look for:

- **Filters - Ask if drained, if not, refer to oil recycling area**
- **compressors (freon) - recovery, reclamation, recycling - check if closed or open system. If CFCs recovered, tag or spray paint unit. Watch for window air conditioners and drinking fountains**
- **mechanical equipment (capacitors)**
- **Electrical circuit boards - usually acceptable**
- **Red or Yellow bags - refer to generator, hospital, or med waste disp.**

Field ID of Suspicious Liquids

- Combustibility - gas explosion meter; not a *match*
- Organic Vapor Detection - VOC meter
- Corrosivity - pH paper or portable ph meter
- PCBs - kits available
- Reactive wastes - mostly solids, e.g. chlorine + water; ammonia+ Clorox; brake fluid + chlorine (swimming pool)

Test Equipment Includes:

- chlorinated hydrocarbon screening kits
- asbestos test kits
- radiation monitors
- mercury indicators
- lead analysis kits
- chemical test strips

More advanced equipment

- **Explosive gas meter**
- **volatile gas detection meter**
- **PCB field test kit**
- **hazardous materials ID kit**
- **volatile organic compound analysis kit**
- **heavy metals analysis kit**

More expensive equipment

- Drager Tubes
- formaldehyde meters
- toxic gas monitors
- hazardous gas detectors
- Mercury Vapor Meters
- Laboratory testing

Paint Filter Test (EPA Method 9095)

- Ordinary filter for paint from paint store
- mesh (#60) is specified in regulations for bulk free liquids
- One drop in 5 minutes indicates bulk free liquid

Field Examination-Special Items

- PCBs (if less than 50 ppm unregulated)
  - transformers find out generator
  - light ballasts find out generator
  - have available - disposal alternative
- Assume PCB containing, unless marked otherwise

Housekeeping

- **clean screening area**
- **keep containers needed for hazardous regulated prohibited wastes, as necessary**
- **have first aid kit available near screening area**
- **decontamination areas for equipment and clothing may be needed**

Records

- **necessary to:**
  - **comply with legal requirements of landfill regulations**
  - **respond to legal nightmares/liability issues**
  - **analyze program elements**
    - **increase random screening frequency**
    - **determine haulers consistently breaking rules**

Lesson VII – Managing Unacceptable Waste

- Facility does not want unacceptable waste
- Hauler does not want unacceptable waste
- Generator just wants to get rid of unacceptable waste
- Compliance of generator key to success

If you find prohibited wastes such as lead-acid batteries

- **can return to hauler without violating laws**
- **help hauler identify source**
- **inform generator why waste cannot be accepted**
- **If you find RCRA regulated waste:**
  - **cannot return to hauler**
  - **notify State regulatory agency**
  - **must dispose in permitted RCRA facility administered by responsible agency**

Some other regulated wastes

- **radioactive - refuse @ gate**
- **lead-acid batteries: help hauler identify disposal mechanism**

Other regulated wastes such as radioactive or waste oil

- **Liabilities of landfilling or returning waste to the hauler include:**
  - **violation of state or federal regulations**
  - **may cause future damage**
  - **may receive same waste the next day**
  - **may receive similar waste in the future**

Haulers - Two options to address unacceptable waste

- **return material to hauler**
- **dispose of the material and charge hauler later**
- **drawbacks - returning to hauler**
  - **proper disposal not assured**
  - **material may return**
  - **generator is unlikely to be affected**
  - **financially , hauler can be held responsible by 2 methods:**
    - ***facility arranges for disposal & bills hauler***
    - ***facility allows hauler to arrange & provide evidence of proper disposal***

Source Identification Methods

- Identify the service area-i.e. maquiladores, chemical. plants, electric. plants, truck is from industrial or commercial area of town
- A survey of the collection area should be taken
- use hazardous materials manifests and SARA Title III reports for all companies (NM Dept. of Public Safety - “Right to Know”)

Waste Examination

- Candidates for closer examination
  - **unusual appearance, i.e. orange overalls, nervous, hurried**
  - **load smells offensive**
  - **driver smells offensive**
  - **appears to have high moisture levels**
  - **enclosed containers, pails, cans with hazardous labels**
  - **barrels**
  - **drums**
  - **granular materials, powders, dust, dried solids, soil or sod**

Summary

- **Goal is to identify generators of unacceptable wastes**
- **solution: close cooperation among the landfill, transfer stations, haulers and regulatory agencies**
- **Result : proper management of wastes**

Lesson VIII - Recordkeeping and notification requirements

- **Document each inspection and discovery of prohibited waste**
- **Information to include:**
  - **date & time of material detection**
  - **hauler name (company & driver)**
  - **materials detected**
  - **material generator(s) if able to identify**
  - **actions taken to manage or return material(s)**
  - **efforts taken if hazardous material discovered**
  - **employee in responsible charge**

Organizations who may need to be notified include:

- NMED Solid Waste Bureau
- NMED Hazardous and Radioactive Waste Bureau
- Local hazardous materials response team
- Local law enforcement agency

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2: (BOOK 2 OF 2) MANAGEMENT PLANS AND SUPPORTING DOCUMENTS

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

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2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

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MANAGEMENT PLANS AND SUPPORTING DOCUMENTS

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Exhibit 2: General Operations Plan

Exhibit 3: Composting Operations Plan

Exhibit 4: Waste Screening and Inspection Plan

BOOK 2

Exhibit 5: Alternative Waste Handling and Disposal Plan

Exhibit 6: Contingency Plan

Exhibit 7: Closure and Post-Closure Plan

Exhibit 8: Personnel Training Plan

Exhibit 9: Plat Map and Property Deed

Exhibit 10: Lease Agreement

Exhibit 11: Required Operating Record and Annual Report

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Exhibit 21: Existing Site Geotechnical Report and Geologic Map

Exhibit 22: Compliance History

Exhibit 23: Facility Signage

Exhibit 24: Personal Protective Equipment Plan

Exhibit 25: Letter Regarding NMSA 1978, 74-9-24

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1190 St. Francis Drive, Rm. N2150
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VOLUME 2: EXHIBIT NO. 5 ALTERNATIVE WASTE HANDLING AND DISPOSAL PLAN

Prepared for:

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Los Lunas, New Mexico 87031

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May 2021

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ALTERNATIVE WASTE HANDLING AND DISPOSAL PLAN

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1.0 GENERAL INFORMATION

The contents of the Alternative Waste Handling and Disposal Plan have been incorporated into Exhibit No. 2: General Operations Plan, Section 6.2.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
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VOLUME 2: EXHIBIT NO. 6 CONTINGENCY PLAN

Prepared for:

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May 2021

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EMERGENCY COORDINATORS / CONTACTS
Inform emergency coordinator to initiate proper reporting procedures.

Primary Village Coordinator
Michael Jaramillo
Public Works Director/Department Head
660 Main Street NW PO Box 1209
Los Lunas, NM 87031
Office: .....(505) 352-7629
Cell:.....(505) 975-9131

Secondary Coordinator
John Gabaldon
Fire Chief
Office: .....(505) 866-2116
Emergency: 911

State Police Emergency Response Office (ERO)
Los Lunas.....(505) 841-5286
Albuquerque.....(505) 841-9256

Los Lunas Police Department
Naithan Gurule
Police Chief
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Advanced Environment Solutions Inc.
Andy Saiz
Environmental Remediation
Phone: .....(505) 861-1700
Emergency Response: .....(505) 861-1700, Ext. 7

Alternate Coordinators / Onsite Chain of Command:

1. Solid Waste Division Superintendent ..... Arturo Romero (505) 352-7699
2. Solid Waste Division Supervisor ..... Joshua Chavez (505)-352-7706
3. Solid Waste Division Assistant Supervisor ..... Jason Marquez (505) 352-7707
4. Transfer Station Operator (Lead)..... Daniel Chavez (505) 991-1187

Safety is everyone's responsibility!

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1.0 INTRODUCTION

1.1 What is a contingency event?

Contingency means a future event or circumstance that is possible but cannot be predicted with certainty. At the Village of Los Lunas Transfer Station (VLLTS), a contingency event is typically an emergency type situation where something that we try to avoid or prevent manages to happen anyway. It has to be dealt with in a manner that protects the health and welfare of the Solid Waste Division employees and personnel, visitors and patrons, and the environment.

1.2 What is a contingency plan?

A contingency plan is a written description of what to do during emergency situations. The purpose of this document is to provide the VLLTS with an emergency preparedness action plan. Section 3.0 covers the basics of what to keep in mind when responding to an emergency.

1.3 When/where is training offered?

Training will be in accordance with the Personnel Training Plan upon initial hire. Employees will receive annual training on the Contingency Plan thereafter.

Screening and load inspection procedures as outlined in Solid Waste Association of North America – New Mexico Chapter (NM SWANA) and New Mexico Environment Department (NMED) Solid Waste Bureau (SWB) classes will be utilized for operator training in hazardous materials identification.

1.4 What events does the Plan cover?

This Contingency Plan (the Plan) deals primarily with emergency events. The emergency or cleanup situations anticipated at the VLLTS are described in Section 4.0. That section describes how to react to:

- Fires
- Explosions
- Mercury Release
- Hazardous Material Release
- Confined Space Emergencies
- Medical Emergencies
- Hostile Threats
- Discovery of Unauthorized Waste

1.5 Who enacts the Plan?

Just as SWD employees are responsible for day-to-day safety at work, everyone is expected to be able to enact and participate in the Plan. Anyone who sees an emergency situation should start a response to the emergency. If you are not sure what to do, tell someone else (starting with the Transfer Station Operator, SWD Supervisor, or Superintendent – whoever is closest) and/or reach for this document to guide you through the response.

1.6 Who is responsible for Plan follow-through?

Although everyone is expected to enact the Plan, the Emergency Coordinator is ultimately responsible for following through the complete implementation of the Plan, including reporting.

1.7 How and when is the Plan updated?

The Plan is reviewed annually and will be updated per NMAC 20.9.5.15, if necessary, whenever:

- The facility permit is renewed or modified
- The plan fails in an emergency
- The facility's design, operations, maintenance, or other circumstances change in a way that increases the potential for fires, explosions, or releases of hazardous constituents, or necessitate changes to the planned emergency response
- The list of emergency coordinators changes
- The list of emergency equipment changes.

1.8 Where is the Plan kept and who has copies of it?

The Plan is kept onsite and at the Village Hall. A copy has been provided to emergency response agencies. The Plan can be found at several locations, including:

- Los Lunas Transfer Station Office
- Los Lunas Public Works Director's Office
- Los Lunas Police Station Dispatch
- Los Lunas Fire Station No. 2
- New Mexico State Police

1.9 Contact Information

This Plan makes reference to several agencies that may need to be contacted in the event of emergency. Contact information for each agency is provided in Table 1-1.

TABLE 1-1

EMERGENCY CONTACT INFORMATION

AGENCY	CONTACT NUMBER
National Response Center	800-424-8802
New Mexico Environment Department Incident Reporting	Emergencies: (505) 827-9329 Non-Emergencies: 866-428-6535
New Mexico Environment Department Hazardous Waste Bureau	(505) 476-6000
New Mexico Environment Department Solid Waste Bureau	(505) 827-0197
New Mexico Environment Department Radiation Control Bureau	(505) 476-8600
New Mexico Environment Department Occupational Health and Safety Bureau	(505) 476-8700
New Mexico State Police	District 5 Dispatch: (505) 841-9256
Advanced Environmental Solutions	(505) 861-1700

2.0 FACILITY DESCRIPTION AND LAYOUT

2.1 Map / Layout of Facility

The facility includes the Administration Building, Transfer Station Building, maintenance shop, storage shed, green waste storage area, glass grinding operations, recycling, residential municipal solid waste storage area, universal and household hazardous waste storage areas, and storage for scrap tires, white goods and scrap metal, and electronic waste. A layout of the entire facility is contained in Appendix A.

2.2 Where do I go in case of evacuation?

Meet at the rally point for small emergencies or at the emergency evacuation meeting location for larger emergencies or situations where the rally point is unsafe. These locations are shown in Appendix B.

2.2.1 Rally Point

The rally point for minor emergencies is south of the storage building. If the Transfer Station Building or Staff Area are unsafe but the storage building is not in danger, meet at this location. If the storage building is not safe, meet at the emergency evacuation meeting location.

2.2.2 Emergency Evacuation Meeting Location

The emergency evacuation meeting location is south of fleet parking across the access road.

2.3 What emergency equipment is available on-site?

The following equipment is available on-site for use during emergencies:

- Fire Extinguishers
  - Type ABC: 3 to 5 lb., located in vehicles.
  - Type ABC: 4 to 10 lb., located at building exits.
  - Type ABC: 20 lb., located in Solid Waste Division Office.
- Communications Equipment
  - Two-way Radio: Base Station, located in office.
  - Two-way Radio: Carried by operator on duty.
  - Mobile Units: Located in all trucks (no tractors).
  - Cell Phone: Carried by operator on duty. (Main TS Operator can be reached at (505) 991-9974)
- Heavy Equipment
  - 310 SG John Deere Backhoe/Loader
  - Bobcat 863
  - John Deere 665 Bulldozer
  - Appendix C contains a complete list of heavy equipment.

The Administration Building is equipped with smoke detectors, fire alarms, and fire extinguishers. The Transfer Station Building is also equipped with fire extinguishers. As of October 2018, there are no fire hydrants at the facility for use by the fire department; a water extension is planned within the next five years, at which time fire flow will be provided. Water cannons are kept onsite near the green waste area.

2.4 What are normal operations?

Normal Operations are generally described in Exhibit 2 of the Solid Waste Permit Renewal Application.

The facility operates an onsite location for paper, cardboard, and plastic recycling, as well as a drop-off location for hazardous household waste (used motor oil, batteries, latex paint, aerosol cans, etc.), garbage, scrap metal, and tires. Items containing poisons, explosives, radioactive substances, dead animals, mercury, medical waste and biohazards, toxic waste, and hot or volatile wastes are not accepted at the facility.

3.0 PREPAREDNESS AND GENERAL RESPONSE

The Village has made arrangements with local emergency response agencies in order coordinate emergency services. On June 13, 2019 the VLLTS hosted the Los Lunas Police Department and Los Lunas Fire Department and gave both agencies a tour of the facility as well as answered any questions presented. The Police Department and Fire Department were both briefed on potential emergencies as summarized in section 1.4 of this exhibit as well as potential contaminants that they may be exposed to. The Fire Department would be able to provide services for the following:

- Fire
- Explosions
- Mercury Release*
- Hazardous Material Release*
- Confined Space Emergencies
- Medical Emergencies
- Discovery of Unauthorized Waste

  *For hazardous material release and mercury release, the Los Lunas Fire Department would be the liaison to the Albuquerque HazMat team. The Fire Department has the appropriate training in these events as well as fire suppression equipment, oxygen tanks, respirators, Jaws of Life, ladders, defibrillators, medical aides, and protective gear to properly provide emergency services.

The Police Department would be able to provide services for the following:

- Hostile Threats

The police have the proper equipment and training to properly deescalate and mitigate a hostile and potentially violent situation.

The Police and Fire Departments of Los Lunas have an estimated response time of 10-15 minutes depending on traffic. As of right now, the Fire Department is the only emergency response agency that has access to the VLLTS after hours. If needed, Police would be able to

obtain after hour access as well. For proof of coordination between the VLLTS and these emergency response agencies, refer to Appendix F of this Exhibit.

3.1 What do I do when an emergency or contingency event occurs?

- Prevent injury or harm by reducing/eliminating exposure to threat. (Make sure it's safe for you.)
  - Keep yourself safe and don't get hurt. You cannot save someone else if you become a victim yourself.
  - If someone is injured, remember to check that it is safe for you before offering assistance.
  - Tell other people so they can get (or stay) out of harm's way.
- Identify the problem and intervention measures (ways to fix the problem).
  - When you call for help, you'll need to be able to quickly explain the emergency and any steps you have taken (or think you can take) to start solving the problem.
- Call for outside help.
  - You will need to make a judgement call as to which outside help is needed first. The Emergency Coordinator should always be alerted so they can make sure the Contingency Plan is followed and the incident is reported correctly.
  - Depending on the emergency and how severe it is, it may be appropriate to call 911 before calling the Emergency Coordinator. However, the Emergency Coordinator is responsible for enacting the Plan and deciding which responders need to be involved, so they should be notified as soon as it is safe to alert them.
- Implement intervention measures (start fixing the problem) if it is safe to do so.
  - The contingency-specific responses (Section 4.0) suggest intervention methods to reduce the risk of exposure and protect life and property from damage and loss.
  - The Emergency Coordinator may provide additional insight to ways you can reduce the impact of the incident.

- The order of these general responses will probably vary depending on the incident and circumstances. If a co-worker is nearby, you may work together to begin implementing intervention measures that you could not do alone. One of you might call for outside help while another alerts people to get out of harm's way or puts out a small fire with a fire extinguisher. Making sure it's safe for you is something you may need to keep assessing throughout the emergency response.

3.2 How do I know when to evacuate?

The signal for evacuation is three consecutive horn blasts.

There are exits at both ends of the transfer building to allow evacuation if the hazard is in the middle of the building. There are typically only four employees at the Transfer Station, so evacuation should be rapidly accomplished. Evacuation is possible through the drive to the main exit onto NM6.

4.0 CONTINGENCY-SPECIFIC RESPONSES

4.1 How do I respond to a fire?

The Village has identified six possible fire scenarios. Employees will leave the area upwind of the smoke. Response actions are covered in the following subsections.

4.1.1 Response Actions to Various Fire Types

4.1.1.1 Structural Fire:

1. In the event of a structural or building fire, evacuate the building immediately via the nearest exit.
2. Activate the nearest fire alarm on your way out of the building.
3. Use portable fire extinguishers to control or suppress fires only if trained in their use. Do not use portable fire extinguishers to control or suppress large fires, even if trained in their use.
4. Shut doors behind you as you exit the building, if possible to do so safely.
5. Proceed as quickly as possible in an orderly manner along the evacuation route to the rally point.
6. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.
7. From a safe location, contact the Emergency Coordinator.
8. From a safe location, contact 911.
9. Notify the Supervisor to stop all incoming traffic and to check out all visitors/patrons leaving the facility.
10. Remain at the rally point until instructed otherwise.
11. Do not re-enter the building until authorized to do so.
12. Report missing persons to the Emergency Coordinator as soon as possible.

4.1.1.2 Chemical Fire:

1. In the event of a chemical fire, evacuate the building immediately via the nearest exit.
2. Activate the nearest fire alarm on your way out of the building.
3. Use portable fire extinguishers to control or suppress fires only if trained in their use. Do not use portable fire extinguishers to control or suppress large fires, even if trained in their use.
4. Shut doors behind you as you exit the building, if possible to do so safely.
5. Proceed as quickly as possible in an orderly manner along the evacuation route to the rally point.
6. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.
7. From a safe location, contact the Emergency Coordinator.
8. From a safe location, contact 911.
9. Notify the Supervisor to stop all incoming traffic and to check out all visitors/patrons leaving the facility.
10. Remain at the rally point until instructed otherwise.
11. Do not re-enter the building until authorized to do so.
12. Report missing persons to the Emergency Coordinator as soon as possible.

4.1.1.3 Green Waste Fire:

1. If there is a fire in the green waste area, evacuate all facility users from the area.
2. Evacuate any non-essential personnel from the area.
3. From a safe location, contact the Emergency Coordinator.
4. Notify the Supervisor to stop all incoming traffic to the area.
5. Use heavy equipment to separate and isolate the burning material, if possible to do so in a safe manner.
6. Use heavy equipment to cover the burning material and the surrounding area with dirt, if possible to do so in a safe manner.
7. Do not operate heavy equipment over burning material.
8. Do not use portable fire extinguishers to control or suppress large fires, even if trained in their use.

4.1.1.4 Scrap Tire Fire:

1. If there is a fire in the scrap tires, evacuate all facility users from the area.
2. Evacuate any non-essential personnel from the area.
3. From a safe location, contact the Emergency Coordinator.
4. Notify the Supervisor to stop all incoming traffic to the area.
5. Use heavy equipment to separate and isolate the burning material, if possible to do so in a safe manner.
6. Use heavy equipment to cover the burning material and the surrounding area with dirt, if possible to do so in a safe manner.
7. Do not operate heavy equipment over burning material.
8. Do not use portable fire extinguishers to control or suppress large fires, even if trained in their use.

4.1.1.5 Equipment and Vehicle Fire:

1. In the event of a fire in heavy equipment or vehicles, activate any fire suppression system present on the piece of equipment.
2. Quickly exit the equipment or vehicle.
3. From a safe location, call 911 if necessary.
4. From a safe location, contact the Emergency Coordinator as soon as possible.
5. Use portable fire extinguishers to control or suppress fires only if trained in their use.
6. Maintain a safe distance from the equipment or vehicle.
7. Do not re-enter the equipment or vehicle until authorized to do so.

4.1.1.6 Proximity Fire:

1. In the event of a fire in the brush or undeveloped land surrounding the Transfer Station, including the adjacent (closed) landfill, evacuate the area downwind of the fire.
2. Proceed as quickly as possible in an orderly manner along the evacuation route to the rally point.
3. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.
4. From a safe location, call 911.

5. From a safe location, contact the Emergency Coordinator.
6. Notify the Supervisor to stop all incoming traffic and to check out all visitors and patrons leaving the facility.
7. Remain at the rally point until instructed otherwise.
8. Report missing persons to the Emergency Coordinator as soon as possible.

4.1.2 Damage Control

4.1.2.1 Fire Suppression

Trained personnel may use portable fire extinguishers to control or suppress a fire. Portable fire extinguishers are located in most vehicles, at the entrances/exits to the Staff Area and Transfer Station Building, and in the storage shed (see Appendix D). In the event of a fire, a trained employee may attempt to extinguish an early stage fire before evacuating. However, no employee should use portable fire extinguishers to control or suppress large fires, even if trained in their use.

4.1.2.2 Medical and Rescue Operations

The Village of Los Lunas Fire Department will provide medical and rescue services during a fire. AMR provides secondary service.

4.1.3 Emergency Coordinator Responsibilities

The Emergency Coordinator's responsibilities in addressing a fire include the following:

1. Assess whether to evacuate, if it is necessary and not already done.
2. Call 911, if not already done and if necessary.
3. Notify the Supervisor to stop incoming traffic and check out patrons and visitors, as necessary.
4. Handle communication with the fire department and/or other emergency services.
5. Shut off valves on the propane tank and at the Staff Area.

6. Assess additional potential dangers to public health, welfare, and the environment. The assessment will include both direct and indirect effects of the fire.
7. Monitor for leaks, pressure buildup, gas generation, or rupture in valves, pipes, or equipment, as appropriate.
8. Account for all personnel, visitors, and patrons.
9. Notify NMED, both orally and in writing, within 24 hours.
10. Provide for proper disposal of recovered wastes.
11. Complete the Supervisor's Incident Report.

4.2 How do I respond to an explosion?

The VLLTS reduces opportunities for explosions by prohibiting and/or isolating volatile waste. However, should an explosion occur, take the following steps:

4.2.1 Immediate Response

IMMEDIATELY take cover under tables, desks, or other objects that can provide protection against falling or flying debris.

4.2.2 Secondary Response

AFTER the initial effects of the explosion have subsided (ie, no more falling/flying objects):

1. Evacuate the workplace by means of the nearest available exit.
2. Hold handrails when you are walking on stairs.
3. Activate the nearest fire alarm on your way out of the building.
4. Use portable fire extinguishers to control or suppress fires (if trained in their use).
5. Shut doors behind you as you exit the building (if possible to do so safely).
6. Proceed as quickly as possible in an orderly manner along the evacuation route to the rally point.
7. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.

8. From a safe location, contact the Emergency Coordinator.
9. From a safe location, call 911.
10. Notify the Supervisor to stop incoming traffic and check out patrons/visitors leaving the facility.
11. Remain at the rally point until instructed otherwise.
12. Do not re-enter the building until authorized to do so.
13. Report missing people to the Emergency Coordinator as soon as possible.

4.2.3 Damage Control

4.2.3.1 Fire Suppression

Trained personnel may use portable fire extinguishers to control or suppress a fire. Portable fire extinguishers are located in most vehicles, at the entrances/exits to the Staff Area and Transfer Station Building, and in the storage shed. In the event of a fire, a trained employee may attempt to extinguish an early stage fire before evacuating. However, no employee should use portable fire extinguishers to control or suppress large fires, even if trained in their use.

4.2.3.2 Medical and Rescue Operations

The Village of Los Lunas Fire Department will provide medical and rescue services during a fire. AMR provides secondary service.

4.2.4 Emergency Coordinator Responsibilities

The Emergency Coordinator's responsibilities in addressing an explosion include the following:

1. Assess whether to evacuate, if necessary and not already done.
2. Call 911, if not already done and if necessary.
3. Notify the Supervisor to stop incoming traffic and check out patrons and visitors, as necessary.
4. Handle communication with the fire department and/or other emergency services.

5. Shut off valves on the propane tank and at the Staff Area.
6. Assess additional potential dangers to public health, welfare, and the environment. The assessment will include both direct and indirect effects of any associated fire.
7. Monitor for leaks, pressure buildup, gas generation, or rupture in valves, pipes, or equipment, as appropriate.
8. Account for all personnel, visitors, and patrons,
9. Notify SWB, both orally and in writing, within 24 hours.
10. Provide for proper disposal of recovered wastes.
11. Complete the Supervisor's Incident Report.

4.3 How do I respond to a mercury release?

FIGURE 4-1 – LIQUID MERCURY

Generally, mercury releases should not be encountered, as mercury drop-offs are not permitted at the Los Lunas Transfer Station. However, should garbage containing mercury evade screening and result in a spill or release, the following responses will be enacted:

4.3.1 Village Personnel Response

4.3.1.1 Immediate Actions:

1. Evacuate the immediate area.
2. Ensure that no one walks through the mercury on their way out.
3. Open windows and doors to the outside.
4. Close doors to other parts of the building.
5. Turn off heat to the area and any forced air or fans that blow directly into the spill area or exhaust air out of the area where the mercury spill occurred.
6. Leave the area and let it air out for at least 10 minutes.
7. Contact the Emergency Coordinator as soon as possible.

4.3.1.2 What NOT to Do:

The following things should not be done, because they will amplify the effects of the spill and cause more potential for hazardous exposure.

- Never use a vacuum cleaner to clean up mercury. The vacuum will put mercury into the air and increase exposure.
- Never use a broom to clean up mercury. It will break the mercury into smaller droplets and spread them and create airborne dust from broken lamps.
- Never pour mercury down a drain. If discharged, it can cause pollution of the septic tanks or evaporation pond. It will also contaminate the plumbing, causing potential for future exposure if plumbing repairs are required.
- Never wash clothing or other items that have come in contact with mercury in a washing machine, because mercury may contaminate the machine and potentially pollute the downstream wastewater stream. Clothing that has come into direct contact with mercury should be discarded. "Direct contact" means that mercury was or has been spilled directly on the clothing.
- Never walk around if your shoes might be contaminated with mercury. Contaminated clothing can also spread mercury.

- Never heat the mercury or expose it to elevated temperatures. This increases its volatility and the likelihood of inhalation exposure.
- Never touch mercury bare-handed. Use nitrile or neoprene rubber gloves or gloves especially suited for mercury. Mercury will go right through latex gloves, so using appropriate gloves is important.

4.3.1.3 Emergency Coordinator Responsibilities

The Emergency Coordinator's responsibilities in addressing a mercury release include the following:

1. Ensure the immediate response measures have been performed.
2. Decide if the release is incidental and can be handled by HAZWOPER trained personnel, AES, or if the New Mexico HazMat Team should be called.
3. Contact the New Mexico State Police (NMSP will notify the HazMat Team), if necessary.
4. Call the National Response Center, if necessary.
5. Handle all communication with emergency responders.
6. Identify the nature, source, amount, and extent of the release by means of observation or review of facility records.
7. Take precautions to ensure the release does not spread or recur. Precautionary measures may include stopping immediate operations.
8. Account for all personnel, visitors, and patrons.
9. Assess additional potential dangers to public health, welfare, and the environment. The assessment will include both the direct and indirect effects of the release.
10. Provide for the proper disposal of any recovered wastes.
11. Notify the NMED Hazardous Waste Bureau (HWB), if necessary.
12. Notify HWB, if necessary.
13. Complete the Supervisor's Incident Report.

4.3.2 Reporting

4.3.2.1 New Mexico Environment Department

The Emergency Coordinator will notify the SWB orally and in writing within 24 hours of a release of liquid mercury from equipment containing mercury. For incidental releases from broken fluorescent lamps, the Emergency Coordinator will notify the SWB if the volume is sufficient that the State Police HazMat Response Team or other outside help is required to clean up the release.

The HWB has not established reportable quantities for spills or releases. In lieu of a reportable quantity, the Emergency Coordinator will notify HWB in accordance with the following HWB guideline:

> *Any amount of any material in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property; or may unreasonably interfere with the public welfare or the use of property must be reported. This includes chemical, biohazardous, petroleum-product, and sewage spills and incidents.*

In addition to recent spills, the discovery of evidence of previous unauthorized discharges, such as contaminated soil or ground water, also must be reported.

The Emergency Coordinator will provide HWB verbal notification within 24 hours if reporting is necessary.

4.3.2.2 National Response Center

Any time one pound (approximately two tablespoons) or more of mercury is released to the environment, it is mandatory to call the National Response Center.

4.3.3 Cleanup Operations

4.3.3.1 Spill Kits

The VLLTS has three spill kits on site. One located in the Transfer Station Office, one located in the transportation truck entrance of the Transfer Station, and one located in the storage shed outside of the Transfer Station. There is also one mobile spill kit in SW-70. The spill kits contain the following items:

- Gallon Size Zip-Lock Bags
- Trash Bags, 2 to 6 Mils Thick
- Nitrile or Neoprene Rubber Gloves
- Stiff Paper (such as Card Stock) or Thin Cardboard
- Paper Towels
- Squeegee
- Eyedropper
- Duct Tape
- Flashlight
- Powdered Sulfur (Optional)

4.3.3.2 Allowable Amount for Village Cleanup

Properly trained Village SWD personnel may clean up mercury spills of less than two tablespoons. For spills larger than this, call the NMSP HazMat Response Team and the National Response Center (see threshold reporting requirements in the Reporting sections).

Mercury is a very dense material, meaning it is very heavy. For reference:

- Two tablespoons of liquid mercury weigh approximately one pound.
- Two tablespoons is approximately the size of a golf ball.
- One pound is equivalent to 454 grams.
- Thermometers contain an average of 3 grams.
- Thermostats contain at least 3 grams.
- Fluorescent lamps contain 100 mg or less.

4.3.3.3 Cleanup Instructions for Liquid Mercury

When liquid mercury has been spilled, take the following steps:

1. Wear nitrile gloves and a Tyvek-type suit. Latex gloves **do not** provide protection against mercury.
2. If there are any broken pieces of glass or sharp objects, scoop up the fragments using stiff paper or cardboard. Place all broken objects on a paper towel. Carefully fold the paper towel and place in a zip-lock bag. Seal the bag and label it "Mercury Waste".
3. Locate visible mercury beads. Use a squeegee to gather mercury beads. Use slow sweeping motions to gain control of the mercury beads. Take a flashlight, hold it at a low angle close to the floor in a darkened room, and look for additional glistening beads of mercury that may be sticking to the floor surface or in small cracks.
   Note: Mercury can roll long distances on hard, flat surfaces, so inspect the entire room.
4. Collect mercury beads. Use an eyedropper to collect or draw up the mercury beads. Slowly and carefully squeeze mercury onto a damp paper towel. Place the paper towel in a zip-lock bag and secure. Label the bag "Mercury Waste" or as requested by the local health department.
5. After removing larger beads, use duct tape to pick up any remaining small glass fragments. Place the duct tape in a zip-lock bag. Secure the bag and label it "Mercury Waste".
6. OPTIONAL: Commercial powdered sulfur will absorb mercury, especially beads that are too small to see. The sulfur reacts with the mercury in two ways: 1) It makes the mercury easier to see since there may be a color change from yellow to brown, and 2) it binds the mercury so that it can easily be removed and suppresses the vapor of any missing mercury. Note that powdered sulfur may stain fabrics a dark color. Do not breathe in the powder, as it can be moderately toxic. Read and understand the product information and instructions before use.
7. Place all materials used during the cleanup, including gloves and Tyvek suit, in a sealable trash bag. Place all mercury beads and objects into the trash bag.
8. If personal clothing is contaminated, remove immediately.

9. Secure all zip-lock and trash bags, and place them in a container separate from the rest of the waste stream to prevent contamination.
10. If possible, continue to air out the area where the bulb was broken and leave the heating/air conditioning system shut off for several hours.

4.3.3.4 Cleanup Instructions for Fluorescent Lamps

Fluorescent lamps contain mercury and must be cleaned up according to the following procedures:

1. Wear nitrile gloves and a Tyvek-type suit. Latex gloves **do not** provide protection against mercury.
2. Be thorough in collecting broken glass and visible powder. Scoop up glass fragments and powder using stiff paper or cardboard and place in a trash bag labeled "Mercury Waste".
3. Use sticky tape such as duct tape to pick up remaining small glass fragments and powder. Place the used tape in a zip-lock bag, seal it, and label it "Mercury Waste".
4. Place all materials used during the cleanup, including gloves, in a trash bag. Place all mercury beads and objects into the trash bag. Label it "Mercury Waste".
5. Secure all zip-lock and trash bags, and place them in a container containing crushed lamps, separate from other waste streams to prevent contamination.
6. If practical, continue to air out the area where the bulb was broken and leave the heating/air conditioning system shut off for several hours.
7. DO NOT HEAT the mercury. This increases its volatility and the likelihood of inhalation exposure.
8. DO NOT VACUUM unless broken glass remains AFTER all other cleanup steps have been taken. Avoid vacuuming if at all possible.

4.4 How do I respond to a hazardous material release?

The VLLTS recognizes two general categories of a spill or release of hazardous materials:

1. An incidental spill that can be quickly absorbed or controlled by trained personnel at the time the release occurs (typically about 20 gallons or less)
2. An emergency release that requires the response of trained HazMat responders (typically more than 20 gallons)

Primary considerations during a release are to prevent human exposure and to prevent flammable/combustible material from igniting. Secondary considerations are to prevent the hazardous material from spreading and to minimize property damage. Refer to table 4-1 and 4-2 for a summary of response actions for various potential contaminants in accordance with NMAC 20.9.5.15.F(6).

Absorbent materials and spill response PPE are located in the Maintenance Building and in Service Vehicle SW-59.

4.4.1 Overview of General Response Actions

4.4.1.1 Immediate Response

In the event of a release of a hazardous or suspected hazardous material, personnel should do the following:

1. Notify personnel in the immediate area to move to a safe area with good ventilation (i.e., outdoors) that is upwind of the release.
2. Close any doors to prevent the spreading of the release or any associated fire.
3. Prevent unauthorized people from entering the area.
4. Notify the Supervisor to stop or re-route incoming traffic and check out visitors and patrons, as necessary.
5. From a safe location, contact the Emergency Coordinator.
6. Remain in a safe area and ensure that no person enters the release area until authorized to do so.

4.4.1.2 Secondary Response

If the release is incidental, authorized and trained VLLTS personnel may perform the following procedures:

- Identify the material without risking personal exposure.
- If the name of the material is unavailable, determine the class of material (i.e., solvent, acid, flammable, etc.).
- Check the MSDS for hazard data and handling precautions.
- If the material cannot be identified as non-hazardous, it must be treated as hazardous.
- If necessary, contact outside help to identify the material.
- Avoid exposure to the material.
- Wear appropriate PPE.
- Do not come into contact with the released material.
- Avoid breathing gases, vapors, fumes, or smoke.
- If the substance is unknown, leave the area.
- Do not assume the material is harmless if it does not have an odor.
- Contain the release.
- Use absorbent material to keep the material from spreading and entering sewers or drains.
- If possible to do so in a safe manner, shut off the source of the spill.
- Do not turn off power inside an affected area. Doing so may cause a spark that could ignite flammable material.
- Clean up the release only if authorized by the Emergency Coordinator.

4.4.1.3 Cleanup: Decision Process

The Emergency Coordinator will make the decision whether the spill is incidental and can be cleaned up by Village personnel or an emergency situation that requires outside response.

A spill is incidental if all of the following conditions are met:

- The material is positively identified.
- The potential hazards are known and they do not pose a significant health or safety threat (check MSDS).
- The volume of the release is about 20 gallons or less, unless the material is used motor oil, paint, anti-freeze, hydraulic fluid, or other automotive fluid, in which case the emergency contact can use personal judgement to determine if the material can be contained and cleaned up by SWD personnel.
- There are no secondary hazards in the immediate area (i.e., open ignition source nearby, unsafe working conditions).
- Appropriate PPE and sufficient cleanup materials are available.
- Personnel performing the cleanup are confident that the release can be cleaned without undue risk of exposure to the hazardous material.
- The cleanup does not require special equipment, apparatuses, or disposal methods.
- Authorized and properly trained SWD personnel may contain an emergency release if the Emergency Coordinator has determined that containment can be accomplished in a manner that does not threaten the health or welfare of the responders.

4.4.1.4 Decontamination of Personnel

If any person comes into contact with the hazardous material on their skin, observe the following:

1. Contact the Emergency Coordinator as soon as possible.
2. Contact or have someone contact 911 and emergency medical services.
3. Remove contaminated PPE, clothing, jewelry, or other items.
4. If the hazardous material is water-compatible, wash contaminated areas thoroughly, using the nearest sink, for at least 15 minutes. If it can be done safely, SWD personnel should assist by holding victims' eyes open and timing the washing process. If an extremely toxic chemical or material of unknown toxicity is involved, personnel must take precautions to avoid exposing themselves to the hazardous material (i.e., wear PPE).

5. If the hazardous material is incompatible with water, use paper towels or other compatible material to remove the contamination. Do so by applying the paper towel lightly, using a lifting or dabbing motion to prevent spreading the material. Do not use water to wash the material off if the hazardous material is incompatible with water, as doing so may worsen the problem.
6. Obtain medical attention. Alert medical responders to the nature and extent of the contamination and any decontamination procedures taken.

4.4.1.5 Reporting a Release to NMED

The Emergency Coordinator will notify SWB orally and in writing of any hazardous material spills or releases within 24 hours.

HWB has not established reportable quantities for spills or releases. In lieu of a reportable quantity, the Emergency Coordinator will notify HWB in accordance with the following HWB guideline:

> *Any amount of any material in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property; or may unreasonably interfere with the public welfare or the use of property must be reported. This includes chemical, biohazardous, petroleum-product, and sewage spills and incidents.*

In addition to recent spills, the discovery of evidence of previous unauthorized discharges, such as contaminated soil or ground water, also must be reported.

The Emergency Coordinator will also provide HWB verbal notification within 24 hours if reporting is necessary.

4.4.1.6 Emergency Coordinator Responsibilities

The Emergency Coordinator has the following responsibilities in the case of a release of a potentially hazardous material:

1. Assess whether to evacuate, if not already done.
    a. For radioactive and/or biohazardous wastes, stop all operations immediately and notify all people to evacuate.
2. Call 911 (if necessary).
    a. Required for radioactive and biohazardous wastes.
3. Contact the New Mexico State Police (NMSP will notify the HazMat Response Team).
4. Notify the Supervisor to stop or re-route incoming traffic and check out visitors and patrons as necessary (if not already done).
5. Handle all communication with emergency responders.
6. Shut off the valves on the propane tank and at the Staff Area if possible to do so safely and if not already done.
7. Identify the nature, source, amount, and extent of the release by means of observation, review of facility records or manifests, or if necessary by chemical analysis.
8. Take precautions to ensure the release does not spread, result in a fire or explosion, or recur. Precautionary measures may include stopping immediate operations (if not already done).
9. Account for personnel, visitors, and patrons.
10. Monitor for leaks, pressure buildup, gas generation, or rupture in valves, pipes, or equipment if appropriate.
11. Assess additional potential dangers to public health, welfare, and the environment. The assessment will include both direct and indirect effects of the release.
12. Decide if the release is incidental and can be handled by HAZWOPER-trained SWD personnel or if the New Mexico HazMat Team should be called.
    a. Radioactive and/or biohazardous waste releases are not incidental and should not be handled by VLL SWD personnel. Response is required from the New Mexico HazMat Team.
13. Provide for the proper disposal of any recovered wastes.

14. Notify the Solid Waste Bureau both orally and in writing within 24 hours.
15. Notify the Hazardous Waste Bureau if necessary.
16. Notify the Radiation Control Bureau if necessary.
17. Ensure that waste that may be incompatible with the release material is not treated, stored, or disposed until cleanup procedures are complete.
18. Complete the Supervisor's Incident Report.

4.4.2 Response Procedure for Specific Hazardous Material Classes

The following subsections provide the procedures that HAZWOPER-trained personnel may perform to either contain a release or clean up an incidental release. SWD personnel will not clean up emergency releases as standard practice.

4.4.3 Acid Releases

Trained personnel will follow these procedures when containing or cleaning up an acid release.

1. Wear appropriate PPE at all times while working in the area of the release.
2. Surround drains and sewer openings with spill pads or pillows to contain the release.
3. Surround the perimeter of the release with spill pads or pillows to contain the release.
4. If using an acid neutralizer:
    a. Read the instructions carefully to determine if there is a corresponding color change that indicates neutralization is complete.
    b. Starting at the perimeter of the release, apply enough neutralizer to obtain a uniform color change or other neutralization indicator.
    c. Use caution as the reaction will likely generate heat.
    d. Note the color of the slurry.
    e. If the color indicates an acidic condition, continue to add neutralizer.
    f. Do not proceed until the reaction (foaming) has stopped.
    g. Mix the slurry thoroughly with a long-handled shovel until a uniform color appears.

h. Wait for the slurry to cool to room temperature.
i. Pick up the neutralized material with a scoop shovel and place in a bag for disposal.
j. Clean up any residual slurry with moistened spill pads or pillows.
k. Place used spill pads or pillows and gloves in the disposal bag.
l. Seal the bag and label it with a properly completed hazardous waste label.
m. Contact Advanced Environmental Solutions (AES) for instructions on proper disposal of the bagged material.

5. If an acid neutralizer is unavailable:
   a. Apply absorbent material to the release, working from the perimeter inward and using enough material to absorb the release.
   b. Pick up the saturated material using gloved hands or a scoop shovel and place the material and gloves in a bag for disposal.
   c. Seal the bag and label it with properly completed hazardous waste label.
   d. Contact Advanced Environmental Solutions (AES) for instructions on proper disposal of the bagged material.

4.4.4 Caustic Releases

Trained personnel will follow these procedures when containing or cleaning up a caustic release:

1. Wear appropriate PPE at all times while working in the area of the release.
2. Surround drains and sewer openings with spill pads or pillows to contain the release.
3. Surround the perimeter of the release with spill pads or pillows to contain the release.
4. If using a caustic neutralizer:
   a. Read the instructions carefully to determine if there is a corresponding color change that indicates neutralization is complete.
   b. Starting at the perimeter of the release, apply enough neutralizer to obtain a uniform color change or other neutralization indicator.
   c. Use caution as the reaction will likely generate heat.
   d. Note the color of the slurry.
   e. If the color indicates a caustic condition, continue to add neutralizer.

f. Do not proceed until the reaction (foaming) has stopped.

g. Mix the slurry thoroughly with a long-handled shovel until a uniform color appears.

h. Wait for the slurry to cool to room temperature.

i. Pick up the neutralized material with a scoop shovel and place in a bag for disposal.

j. Clean up any residual slurry with moistened spill pads or pillows.

k. Place used spill pads or pillows and gloves in the disposal bag.

l. Seal the bag and label it with a properly completed hazardous waste label.

m. Contact Advanced Environmental Solutions (AES) for instructions on proper disposal of the bagged material.

5. If a caustic neutralizer is unavailable:

   a. Apply absorbent material to the release, working from the perimeter inward and using enough material to absorb the release.

   b. Pick up the saturated material using gloved hands or a scoop shovel and place the material and gloves in a bag for disposal.

   c. Seal the bag and label it with a properly completed hazardous waste label.

   d. Contact Advanced Environmental Solutions (AES) for instructions on proper disposal of the bagged material.

4.4.5 Solvent Releases

Trained personnel will follow these procedures when containing or cleaning up a solvent release:

1. Wear appropriate PPE at all times while working in the area of the release.
2. Surround drains and sewer openings with spill pads or pillows to contain the release.
3. Surround the perimeter of the release with spill pads or pillows to contain the release.
4. Apply absorbent material to the release, working from the perimeter inward and using enough material to absorb the release.
5. Pick up the saturated material using gloved hands or a scoop shovel and place the material and gloves in a bag for disposal.

6. Seal the bag and label it with a properly completed hazardous waste label.
7. Contact Advanced Environmental Solutions (AES) for instructions on proper disposal of the bagged material.

4.4.6 Radioactive Material Releases

VLLTS personnel will not attempt to contain releases or suspected releases of radioactive material. Instead they will:

1. Activate the fire alarm in the Staff Area.
2. Evacuate the building immediately via the nearest exit.
3. Shut doors as the building is exited (if safe to do so).
4. Proceed quickly in an orderly manner to the rally point.
5. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.
6. From a safe location, call the Emergency Coordinator.
7. From a safe location, call 911.
8. Notify the Supervisor to stop all incoming traffic and to check out all visitors and patrons leaving the facility.
9. Remain at the rally point until instructed otherwise.
10. Do not re-enter the building until authorized to do so.
11. Report missing persons to the Emergency Coordinator as soon as possible.

4.4.7 Biologically Hazardous Material Releases

Biologically hazardous materials are substances that pose a threat to the health of living organisms. This can include microorganisms, viruses, or toxins. The international symbol for biologically hazardous material is:

The VLLTS does not accept biologically hazardous waste. However, should a release or suspected release of biohazardous material occur at the Transfer Station, VLLTS personnel will not attempt to contain releases or suspected releases of biohazardous material. The following steps should be taken.

1. Evacuate the building immediately.
2. Activate the fire alarm in the Staff Area.
3. Shut doors as the building is exited (if safe to do so).
4. Proceed quickly in an orderly manner to the rally point.
5. Accompany and assist handicapped personnel, visitors, and anyone who appears to need calm direction or assistance.
6. From a safe location, call the Emergency Coordinator.
7. From a safe location, call 911.
8. Notify the Supervisor to stop all incoming traffic and to check out all visitors and patrons leaving the facility.
9. Remain at the rally point until instructed otherwise.
10. Do not re-enter the building until authorized to do so.
11. Report missing persons to the Emergency Coordinator as soon as possible.

TABLE 4-1
POTENTIAL CONTAMINANT RELEASE IDENTIFICATION AND RESPONSE

Potential Contaminant	Procedures for Investigation	Containment	Correction or Remediation
Oil	Standard waste screening and inspection protocol would be followed. See Exh. 4 for waste screening and inspection details.	If oil was discovered in a properly labeled container, the Transfer Station Operator would remove the oil from the location and dispose of in the transfer station's oil containment. If the oil discovered is exposed and has contaminated other MSW on the tipping floor, the Transfer Station Operator will separate the oil and contaminated waste from the remainder of MSW using physical barriers.	Advanced Environmental Solutions should be contacted (505)-861-1700 in the case of exposed oil and contaminated waste.
Paint	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	Paint and all contaminated waste will be separated from MSW using wooden barricades and/or chains.	Paint and contaminated waste will be separated until all paint is dried. At that point, waste will be moved back into transfer station's MSW stream.
Mercury	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	See section 4.3 in Exh. 6 for mercury release protocol	See section 4.3 in Exh. 6 for mercury release protocol
Tires	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details. Tires will be able to be easily recognized if found on the tipping floor.	Will be kept on-site and separated from the transfer station's regular MSW stream.	Transfer Station Operator will apply proper PPE and remove tires(s) from the tipping floor

TABLE 4-1
POTENTIAL CONTAMINANT RELEASE IDENTIFICATION AND RESPONSE
(continued)

Potential Contaminant	Procedures for Investigation	Containment	Correction or Remediation
Pesticide/ Aerosol	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details. Will typically be stored in a can or container that is labeled and will be able to be easily identified. If pesticide is not contained, or substance is in an un-labeled container, Advanced Environmental Solutions should be contacted (505)-861-1700	A physical barrier (wooden barricade or chains) will be created to section off the potential contaminate from the tipping floor or wherever the contaminant was found.	Advanced Environmental Solutions should be contacted (505)-861-1700. If contaminate cannot be removed and properly cleaned from site, Albuquerque Hazmat will be contacted. Fire Chief John Gabaldon would be the secondary coordinator. (505)-866-2116
Biological Waste	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	Transfer Station Personnel will not be permitted to contain or handle Biological waste. See section 4.4.7 for Biologically hazardous material release	Transfer Station Personnel will not be permitted to remediate or remove Biological waste. See section 4.4.7 for Biologically hazardous material release
Radioactive Waste	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	Transfer Station Personnel will not be permitted to contain or handle radioactive waste. See section 4.4.6 for Radioactive Material Releases	Transfer Station Personnel will not be permitted to remediate or remove radioactive waste from the site. See section 4.4.6 for Radioactive Material Releases
Acid	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	See section 4.4.3 in Exh 6 for Acid Releases	See section 4.4.3 in Exh 6 for Acid Releases
Caustic	Standard waste screening and inspection protocol would be followed. See Ex. 4 for waste screening and inspection details.	See section 4.4.4 in Exh 6 for Caustic Releases	See section 4.4.4 in Exh 6 for Caustic Releases

TABLE 4-2
ENVIRONMENTAL EFFECTS OF POTENTIAL CONTAMINANTS

Potential Contaminant	Contaminant Description	Potential Media Contamination		
		Water	Soil	Air
Oil	Viscous liquid ranging in color from clear light brown to black. Can have multiple smells ranging from a burnt scent to an almond/fruity scent.	x	x	
Paint	Viscous liquid with various colors. Very pungent aerosol like smell.		x	
Mercury	A dense silver liquid at room temperature. Tends to form a small bead like shape. Has no aroma	x	x	x
Tires	Black circular rubber donut like object. Can have a sulfur like smell.		x	
Pesticide/Aerosol	Typically clear liquid but usually in a can or container. Tends to have strong chemical smell.	x	x	x
Biological Waste	Can vary in appearance but may be stored in orange or red bags labeled as biohazardous. Can have a foul smell that can be similar to rotting food.	x	x	x
Radioactive Waste	Will usually be in a container with the appropriate radioactive markings. Does not have a distinct smell or appearance.	x	x	x
Acid	Usually a clear liquid with a strong sour pungent smell depending on the type of acid.	x	x	x
Caustic	Can be a liquid or solid. In a solid form, the base is usually white. Usually has no distinct odor.			

4.5 How do I respond to a confined space emergency?

The Occupational Safety and Health Administration define a confined space as a space not necessarily designed for people, but which is large enough for workers to enter to perform specific tasks. A confined space is further defined as a space with restricted means of entry or exit that is not designed for continuous occupancy, such as a tank, manhole, or similar vessel.

Generally, confined space emergencies should not occur at the VLLTS. However, the following response is outlined to respond to any confined space emergencies that may occur:

4.5.1 General Personnel Procedure for Confined Space Emergencies

Confined space emergencies will be handled by the Los Lunas Fire Department. In the event of any confined space emergency, personnel should:

1. Evacuate as necessary.
2. From a safe location, call 911.
3. If necessary, notify the Supervisor to stop or re-route all incoming traffic to avoid the area.
4. From a safe location, contact the Emergency Coordinator as soon as possible.

4.5.2 Emergency Coordinator Responsibilities

The Emergency Coordinator will:

1. Assess whether to evacuate, if not already done.
2. Call 911, if not already done.
3. Notify the Supervisor to stop or re-route incoming traffic to avoid the area as necessary, if not already done.
4. Account for all personnel and visitors involved in the emergency.
5. Handle communication with the fire department and/or other emergency services.
6. Assess additional potential dangers to public health, welfare, and the environment.
7. Complete the Supervisor's Incident Report.

4.6 How do I respond to a medical emergency?

4.6.1 Responses to Life-Threatening Medical Emergencies

Life-threatening medical emergencies include loss of consciousness, possible broken bones, suspected poisoning or exposure to hazardous materials, severe burns, severe bleeding or lacerations, impalements, and inability to breathe.

In the event of a life-threatening emergency:

1. Check that the scene is safe and resolve any safety concerns before approaching the victim. Do not put yourself or others at risk of danger. You cannot help another to safety if you become a victim.
2. If appropriately trained, provide necessary first aid. Have other personnel assist you in writing down time and vital signs/observations.
3. Assign someone to call 911 from a safe location. If another person is not available, call 911 yourself. Provide the following information:
    a. Your name
    b. Type of emergency
    c. Location of emergency (the Transfer Station is located two miles west of I-25 on NM6)
    d. Telephone number
    e. Any other information requested
4. Remain on the phone until the 911 dispatcher hangs up or instructs the caller to do so.
5. Contact the Emergency Coordinator as soon as possible.
6. Notify the Supervisor to stop or re-route all incoming traffic to avoid the area.
7. If it is unsafe to remain in the area, gently move the victim (if safe to do so without putting yourself at risk) to an alternate location. Do not attempt to move the victim alone. If they can walk, help them relocate.
8. Remain with the victim until help arrives.

4.6.2 Responses to Non-Life-Threatening Medical Situations

Non-life-threatening medical situations require medical attention, but do not pose an immediate risk to the victim's life (scrapes, abrasions, minor cuts, etc.).

In the event of a non-life-threatening medical situation:

1. If appropriately trained, provide necessary first aid.
2. Contact the Emergency Coordinator as soon as possible.
3. Remain with the victim until help arrives.

4.6.3 Emergency Coordinator Responsibilities

The Emergency Coordinator will:

1. Notify 911 of a medical emergency, if necessary and not already done.
2. Notify the Supervisor to stop or re-route all incoming traffic to avoid the area, if not already done.
3. Account for all personnel, visitors, or patrons involved in the emergency.
4. Handle all communication with the emergency services if necessary.
5. Complete the Supervisor's Incident Report.

4.6.4 Reporting

The SWD will report the following events to NMED Occupational Health and Safety Bureau (OHSB):

- All work-related fatalities within 8 hours.
- All work-related inpatient hospitalizations, all amputations, and losses of an eye within 24 hours.

Only fatalities occurring within 30 days of the work-related incident must be reported to OHSB. Further, for an inpatient hospitalization, amputation, or loss of an eye, these incidents must be reported to OHSB only if they occur within 24 hours of the work-related incident.

4.7 How do I respond to a hostile threat?

If an event occurs that requires police action to protect the safety of any employee, visitor, or patron, then protect yourself (and others) and get help.

1. Move to a safe location and put barriers between yourself and any threat.
2. Call 911 and provide the following information:
    a. Your name
    b. Type of emergency
    c. Location of emergency (the Transfer Station is located two miles west of I-25 on NM6)

d. Telephone number

e. Any other information requested

3. Remain on the phone until the 911 dispatcher hangs up or tells you to.
4. Notify the Supervisor to stop or re-route incoming traffic and check out visitors and patrons as necessary
5. Remain at a safe location until directed to do otherwise.
6. Contact the Emergency Coordinator as soon as possible.
7. The Emergency Coordinator will assess the need to evacuate (if not already done).
8. Notify 911 of a hostile threat (if not already done).
9. Handle communications with the police.
10. Account for personnel, visitors, or patrons involved in the emergency.
11. Complete the Supervisor's Incident Report.

At this time the SWD does not have a protocol for an active threat. The Village will develop procedures for such a threat to describe how employees would protect themselves from an onsite threat and call for help.

4.8 How do I respond to discovery of unauthorized waste?

The SWD personnel perform screening to prevent disposal of unauthorized waste at the Transfer Station. Expected contaminants that can be separated from the waste stream and put in the "recycling areas" include lead-acid batteries and paint (which can be recycled), solvents (which need to be identified and handled accordingly), and engine oil (which can be recycled).

If discovery of unauthorized or prohibited waste occurs, take the following steps to counteract the incident:

1. Restrict the area from public and employee access.
2. Notify the Supervisor to stop or re-route all incoming traffic to avoid the area.
3. Contact the Emergency Coordinator as soon as possible.

4. The Emergency Coordinator will:
    a. Assess whether to evacuate.
    b. Identify the unauthorized waste, source, amount, and extent of any release of hazardous materials by means of observation, review of facility records or manifests, or by chemical analysis if necessary.
    c. Take precautions to ensure that any associated release does not spread, result in a fire or explosion, or recur. Precautionary measures may include stopping immediate operations.
    d. Assess additional potential dangers to public health, welfare, and the environment.
    e. Notify the Supervisor to stop or re-route all incoming traffic as necessary.
    f. Notify the New Mexico State Police of a release, if necessary.
    g. Handle all communication with the emergency responders, if necessary.
    h. Notify SWB, the hauler, and the generator in writing within 48 hours.
    i. Provide for the proper cleanup, transportation, and disposal of any recovered wastes.
    j. Complete the Supervisor's Incident Report.

4.9 Where do we store waste materials that need to be cleaned up?

A separate dump area at the bay farthest away from the tunnel is available if prohibited waste must be cleaned up. Operations could continue using this additional space.

5.0 DOCUMENTATION AND REPORTING

5.1 Who is responsible for documenting the emergency/incident?

The Emergency Coordinator is responsible for completing all the required reports. They will also document the event using either the Supervisor's Incident Report. If outside agencies were involved in the event, they may provide assistance in documenting the incident.

5.2 What report needs to be filed?

5.2.1 Supervisor's Incident Report

The Supervisor's Incident Report will be completed whenever there is a fire, explosion, release of mercury or other hazardous material, or other emergency that must be reported to any Bureau at NMED. The Report will also be completed for medical or confined space emergencies or for an accident that involves a person or a vehicle. This Report is contained in Appendix E.

5.3 Why is documentation needed?

Several elements of the Contingency Plan will be evaluated every time it is used to respond to an incident. Some of the considerations include:

- Was the level of response appropriate?
- Was the situation handled effectively?
- Was the hazard contained to prevent future or continuing damage?

This review process will inform the Emergency Coordinator and the SWD if the Contingency Plan needs to be modified or if further training is required so that future situations can be managed appropriately and effectively.

6.0 EMERGENCY COORDINATOR

6.1 What is an Emergency Coordinator?

The Emergency Coordinator is the person responsible for implementing the Contingency Plan and overseeing emergency actions.

When the Emergency Coordinator is notified of a contingency event or emergency, they will determine the measures that should be taken by facility personnel to address the situation, whether to evacuate users and visitors, and whether to call for outside assistance or use facility personnel and equipment.

The Emergency Coordinator's responsibilities include the following:

- Implementing the Contingency Plan during any on-site emergency.
- Activating internal facility alarms to notify personnel of emergency conditions.
- Assessing the need to evacuate in situations when evacuation is not an automatic response.
- Notifying the Transfer Station Operator whether to stop incoming traffic and check out all outgoing users and visitors.
- Notifying the appropriate local and state emergency response and regulatory agencies of an emergency situation, as necessary.
- In the event of a release, fire, or explosion, to as quickly as possible identify the nature, source, amount, and extent of any release by means of observation, review of facility records or manifests, or, if necessary, by chemical analysis.
- Providing for monitoring of leaks, pressure buildup, gas generation, or rupture in valves, pipes, or equipment, if appropriate.
- Shutting off propane tank valves at the propane tank and northeast corner of the Staff Area to prevent fire or explosion, as necessary.
- Handling all communication with local emergency response agencies or contractors.

- Assessing potential dangers to public health, welfare, and the environment. The assessment will include both the direct and indirect effects of a fire, explosion, or release of hazardous material.
- Taking precautions to ensure that any release does not spread, result in a fire or explosion, or recur. Precautionary measures may include stopping immediate operations.
- Ensuring that waste that may be incompatible with released material is not treated, stored, or disposed of until cleanup procedures are complete.
- Providing for the appropriate treatment, storage, or disposal of recovered wastes or any other material that results from a release, fire, or explosion after the emergency situation is under control.
- Completing the Supervisor's Incident Report.
- Notifying SWB, both orally and in writing, within 24 hours of a spill, fire, flood, explosion, or similar event.
- Maintaining and testing emergency equipment.
- Reviewing and updating the Contingency Plan.

6.2 Who is the Emergency Coordinator for the VLLTS?

Primary:	Public Works Director	Secondary:	Fire Chief
	Michael Jaramillo (505) 352-7629		John Gabaldon (505) 866-2116

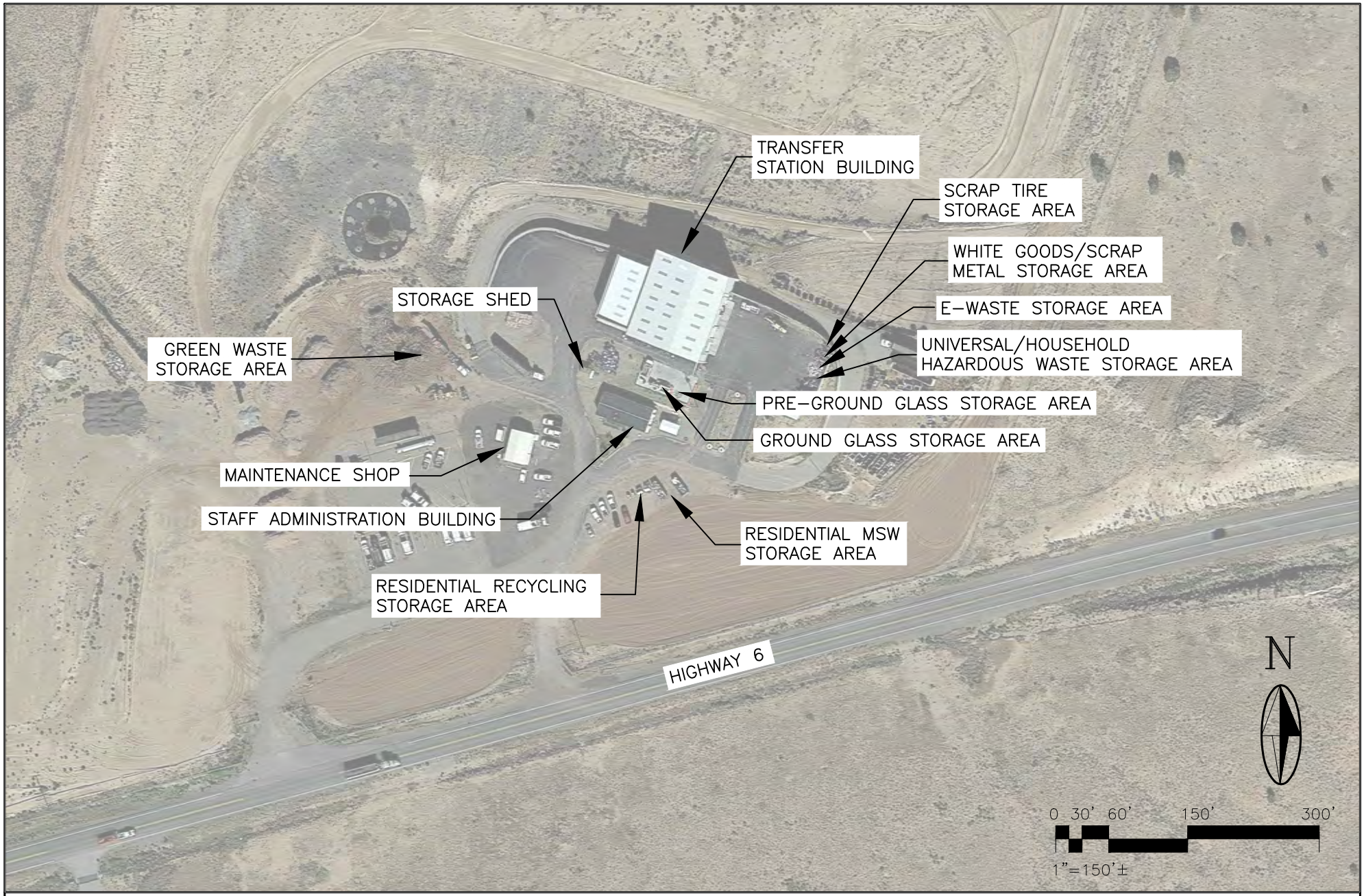
6.3 What is the chain of command at the VLLTS?

1.	Solid Waste Division Superintendent:	Arturo Romero	(505) 352-7699
2.	Solid Waste Division Supervisor:	Joshua Chavez	(505) 352-7706
3.	Solid Waste Division Assistant Supervisor:	Jason Marquez	(505) 352-7707
4.	Transfer Station Operator (Lead):	Daniel Chavez	(505) 991-1187

APPENDIX A

MAP OF FACILITY LAYOUT

LAST MODIFIED: Nov 05, 2019 - 2:55pm BY USER: mtenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Exh6 Appendix A.dwg



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

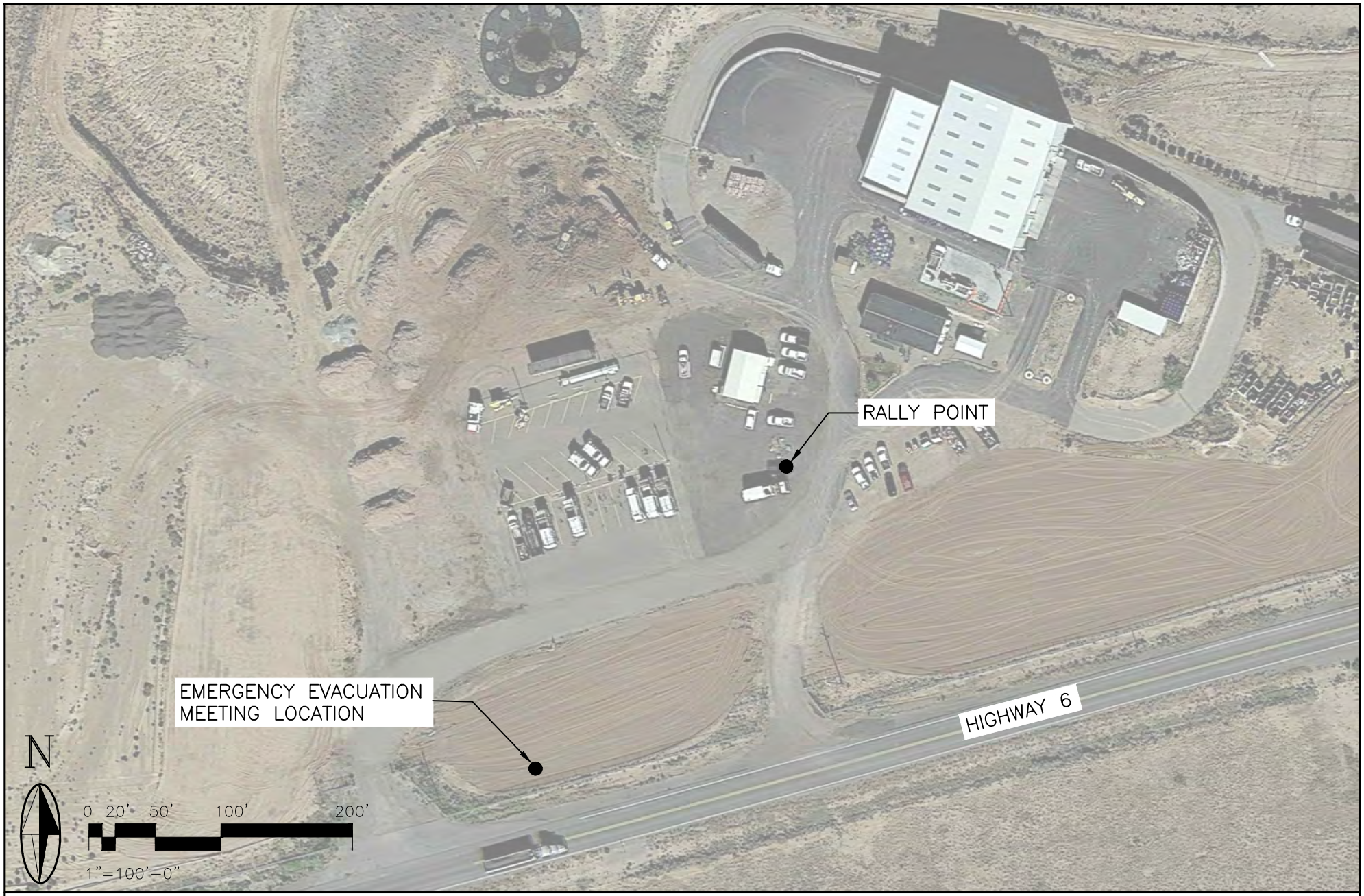
MOLZENCORBIN

APPENDIX A
MAP OF FACILITY LAYOUT

APPENDIX B

RALLY POINT AND EMERGENCY EVACUATION MEETING LOCATION

LAST MODIFIED: Nov 06, 2019 - 9:20am BY USER: mtenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Rally Point and Emergency Evacuation. Appendix B.dwg



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

MOLZENCORBIN

APPENDIX B
RALLY POINT AND EMERGENCY EVACUATION LOCATION

APPENDIX C

HEAVY EQUIPMENT

APPENDIX C
HEAVY EQUIPMENT

Equipment/Machinery Description	Village ID Number	Manufacturer	Vehicle Identification Number(VIN)
Ford F-350	SW-1	Ford	C37518
Dodge Ram	SW-2	Dodge	G832449
Fuel Truck	SW-3	Dodge	G832448
Dodge Ram**	SW-4	Dodge	M555405
Backhoe	SW-24	John Deere	G950343 (310SG)
Sideloader	SW-6	Peterbuilt	D715972
Sideloader	SW-17	GMC	F401827 (T-7500)
Sideloader	SW-8	GMC	J513329 (T-6500)
Front Loader	SW-13	Volvo	R725067
Bin Truck	SW-15	Chevy	J525079
Commercial Front Loader	SW-14	Volvo	N239963
Commercial Front Loader	SW-18	Autocar	H203830
Commercial Front Loader	SW-19	Peterbuilt	D716553
Dump Truck	SW-9	Chevy	V511345
Flat Bed**	RE-1	Chevy	E204177
Glass Crusher	SW-58	Cemco	6835986
Maintenance Truck	SW-59	Chevy	1GBKC34J3TJ106532
Wood Chipper	SW-23	Bandit	1619 (Model 1890)
Wood Grinder	SW-61	Morbark 2600	
Tire Baler	SW-26	Eagle Baler	806990
Trailer	TS-1	McClain	1M9BD482112309005
Trailer	TS-2	McClain	1M9BD482312309006

Equipment/Machinery Description	Village ID Number	Manufacturer	Vehicle Identification Number(VIN)
Trailer	TS-3	McClain	1S9WS4724WS188772
Trailer	TS-4	McClain	
Semi	TS-3	Peterbuilt	D281008
Semi	SW-21	Freight Line	K93646
Semi	SW-56	Volvo	S521330
Bobcat	SW-25	Bobcat	514443514 (Model 863)
Bobcat	SWR-2	Bobcat	514451161 (Model 863)
Crawler	SW-22	John Deere	D877295 (Model 655B)
disposing	SW-16		S242798
Trailer	TS-5	Travis	48XAR4822K1013529
Semi	SW-57	Freightliner	3AKJGNDR5HDJF0960
Skid Steer	SW-60	Case	(SR240 Loader) JAFSR240CGM422231
Rear Loader	SW-63	Peterbuilt	3BPPHM6X8GF590950
Backhoe	SW-64	John Deere 310SL	1T0310SLPJF328970
Paper Shredder	SW-65	Pro-Tainer	52LBE1824JE069908
Power Washer	SW-66	Landa	PGDC5-35224E
Grapple Truck	SW-62	Prentice 2124	FB9098-04-08
Service Truck	SW-59	Chevy	1GBKC34J3TJ106532
Flat Bed	SW-67	Chevy	1GB1KUEG0JF243213
4-Door Pickup	SW-68	GMC	3GTU2LEC7JG293876
Baler	SW-69	American Baler	(W409D) 9755
Commercial Front Loader	SW-59	Mack	1M2AV04C1GM014711
Sideloader	SW-27	Mack	1M2AU04C1GM010208
Sideloader	SW-28	Mack	1M2AU04C5GM010311

**Piece of equipment is currently being phased out of usage at the VLLTS.

APPENDIX D

FIRE EXTINGUISHER LOCATIONS AND WEIGHTS

VILLAGE OF LOS LUNAS TRANSFER STATION

FIRE EXTINGUISHER LOCATIONS & WEIGHTS

ITEM		LOCATION	WEIGHT
THE VEHICLES			
1.	SW6	Mounted on center console	5 lbs
2.	Sw17	Mounted in center behind seats	5 lbs
3.	Sw27	Mounted on outside of truck	5 lbs
4.	Sw28	Located on passenger side, on floor	5 lbs
5.	Sw13	Mounted on center console	5 lbs
6.	Sw14	Mounted on center console	5 lbs
7.	Sw18	Mounted on center console	5 lbs
8.	Sw10	Mounted on center console	5 lbs
9.	Sw1	Located under back seat, on floor	5 lbs
10.	Sw2	Mounted behind passenger seat	5 lbs
11.	Sw3	Mounted behind passenger seat	5 lbs
12.	Re1	Located in the center, behind seats	5 lbs
13.	Sw9	Mounted behind passenger seat	5 lbs
14.	Sw8	Located in the center, behind seats	5 lbs
15.	Bin Truck	Located behind passenger seat	5 lbs
16.	Grapple Truck	Located behind passenger seat	5 lbs
17.	Sw58	Located behind passenger seat	5 lbs
18.	Sw57	Located in the center, behind seats	10 lbs
19.	Sw21	Mounted in the center of the seats	4 lbs
20.	Ts3	Mounted in the center of the seats	5 lbs
21.	Welding Truck	Located behind driver's seat	5 lbs
22.	Welding Truck	Located on driver's side	5 lbs
23.	Welding Shed	Mounted by door	5 lbs
24.	SW24 Backhoe	Mounted on right side of cab	2.5 lbs
25.	SW26	Mounted on left side of machine	2.5 lbs
26.	SW23	Mounted on right side of machine	2.5 lbs
27.	Wood Hog	Mounted on right side of machine	2.5 lbs
28.	SW22	Mounted inside cab	5 lbs
29.	GMC Truck	Mounted behind passenger seat	5 lbs
30.	Chevy Flatbed	Mounted behind passenger seat	5 lbs
31.	New Backhoe	Mounted inside cab	5 lbs
ADMINISTRATION BUILDING			
1.		Mounted by front door	5 lbs
2.		Mounted by side door	5 lbs

VILLAGE OF LOS LUNAS TRANSFER STATION

FIRE EXTINGUISHER LOCATIONS & WEIGHTS

ITEM	LOCATION	WEIGHT
TRANSFER STATION		
1.	Mounted by west sidewalk, inside the door	10 lbs
2.	Mounted by Bay 3 door	10 lbs
3.	Mounted by south door, behind baler	10 lbs
4.	Mounted on north side of the building	27 lbs
5.	Mounted by east sidewalk, inside the door	10 lbs
6.	Mounded on south side, by scale	10 lbs
7.	Mounted on east end of south wall, in tunnel	27 lbs
8.	Located in Utility Room, behind main door	10 lbs
9.	Located in Utility Room, behind main door	10 lbs
10.	Located in Utility Room, behind main door	10 lbs
11.	Located in Utility Room, behind main door	27 lbs
EXTRAS LOCATED IN WOODEN SHED		
1.	Located in the wooden shed, on the shelf	10 lbs
2.	Located in the wooden shed, on the shelf	4 lbs
3.	Located in the wooden shed, on the shelf	4 lbs
4.	Located in the wooden shed, on the shelf	4 lbs
5.	Located in the wooden shed, on the shelf	4 lbs
6.	Located in the wooden shed, on the shelf	5 lbs
7.	Located in the wooden shed, on the shelf	5 lbs
8.	Located in the wooden shed, on the shelf	5 lbs
9.	Located in the wooden shed, on the shelf	5 lbs
10.	Located in the wooden shed, on the shelf	5 lbs
11.	Located in the wooden shed, on the shelf	5 lbs
12.	Located in the wooden shed, on the shelf	5 lbs
13.	Located in the wooden shed, on the shelf (expired)	5 lbs
RECYCLE CENTER		
1.	Located inside metal building, by west wall	10 lbs

APPENDIX E

SUPERVISOR'S INCIDENT REPORT

NOTICE OF ACCIDENT OR OCCUPATIONAL DISEASE DISABLEMENT
NOTIFICACION DE ACCIDENTE O ENFERMEDAD DE OFICIO

In accordance with New Mexico law, Section 52-1-29, Section 52-3-19 and Section 52-1-49, NMSA 1978; NMAC 11.4.4.11
Conforme a la Ley de la Compensación de los Trabajadores, Sección 52-1-29 ,Sección 52-3-19 y Sección 52-1-49, NMSA 1978; NMAC 11.4.4.11

I, _____, was involved in an on-the-job accident or was disabled
Yo, (name of employee/*nombre del empleado*) *me lastimé en un accidente en el trabajo o fui incapacitado*

by an occupational disease at approximately _____, on _____, 20_____.
por enfermedad de oficio aproximadamente (time/*a la(s) hora(s)*) *el* (date/*fecha*) *del* 20_____.

Employee's social security number: _____ Where did the accident occur? _____
Número de suguro social del empleado: *¿Dónde ocurrió el accidente?*

What happened?_____
¿Qué ocurrió?

_____

_____

To be completed by Employer:	**Worker will choose health care provider. Yes___ No___**
Completado por el empleador:	*Trabajador elegir proveedor de atención médica.*
If Yes, Employer has right to change health care provider after 60 days.	**If No, Worker has the right to change health care provider after 60 days.**
En caso afirmativo, el empleador tiene derecho a cambier de proveedor de atención médica después de 60 dias.	*En caso que no elige, el trabajor tiene derecho a cambiar de proveedor de atención médica después de 60 dias.*
WORKER'S INITIALS ____	***INICIALES DEL TRABAJADOR***

Signed: _____ Signed/Notice Received: _____
Firma: (employee/*empleado*) *Firma/Notificación recibida:* (employer or representative/*empleador o representante*)
Date/Fecha: _____ Date/*Fecha*: _____

ANY PERSON WHO KNOWINGLY PRESENTS A FALSE OR FRAUDULENT CLAIM FOR PAYMENT OF A LOSS OR BENEFIT OR KNOWINGLY PRESENTS FALSE INFORMATION IN AN APPLICATION FOR INSURANCE IS GUILTY OF A CRIME AND MAY BE SUBJECT TO CIVIL FINES AND CRIMINAL PENALTIES.

PREVIOUS NOA FORMS ARE STILL VALID FOR USE

Worker --
For emergency medical care, go to any emergency medical facility.

Workers and Employers with questions about workers' compensation may contact an Ombudsman at any New Mexico Workers' Compensation Administration office for information and assistance. The offices are open Monday through Friday, 8 a.m. to 5 p.m., except holidays.

Trabajador
Para emergencias médicas vaya a cualquier clinica / hospital.

Trabajadores y empleadores con preguntas acerca de la compensación de los trabajadores pueden comunicarse con un asesor ("ombudsman") a cualquier oficina de la Administración de la Compensación de los Trabajadores para información y asistencia. Las oficinas están abiertas desde las ocho de la mañana hasta las cinco de la tarde de lunes a viernes, con la excepción de dias festivos.

Statewide Helpline -- *Linea de Asistencia*

1-866-WORKOMP / 1-866-967-5667

toll free -- *llamada sin costo de larga distancia*

New Mexico Workers' Compensation Administration
PO Box 27198, Albuquerque, NM 87125

Albuquerque: (505) 841-6000 - 1 (800) 255-7965
Farmington: (505) 599-9746 - 1 (800) 568-7310
Las Cruces: (575) 524-6246 - 1 (800) 870-6826
Las Vegas: (505) 454-9251 - 1 (800) 281-7889
Lovington: (575) 396-3437 - 1 (800) 934-2450
Roswell: (575) 623-3997 - 1(866) 311-8587
Santa Fe: (505) 476-7381
TDD for the deaf: (505) 841-6043

www.workerscomp.state.nm.us

Employer/employee: Each keep one copy.
Empleador/empleado: Retener una copia.

Form NOA-1-W (9/11)

VILLAGE OF LOS LUNAS

REPORT OF EMPLOYEE'S WORKPLACE INJURY

(Must be filled out completely and signed)

Employee Names: _____ Home/Cell Phone: _____

Home Address: _____

Last 4 digits of SS#: _____ DOB: _____

Department: _____ Job Title: _____

Date of Accident: _____ Time: _____ Date of Week: _____

Location of Accident: _____

What were you doing at time of accident: _____

_____

_____

Please describe accident/injury: _____

_____

Was medical attention required: Y / N (circle one – if yes, please explain): _____

_____

_____

_____

In your opinion, what caused the accident:

( ) unsafe procedure(s)
( ) unsafe practice
( ) unauthorized use
( ) other
( ) defective equipment
( ) improperly guarded equipment
( ) lack of knowledge / skill
( ) housekeeping

Explain choice: _____

_____

_____

_____

_____ _____

Signature of Employee Date

SUPERVISOR'S INVESTIGATION REPORT

(Must be completed and signed)

Describe Accident: _____

_____

_____

Nature of Injury:

[ ] Personal Injury
[ ] Visit Emergency Room
[ ] None Required
[ ] Personal Injury & Property Damage
[ ] Require Hospitalization

Explain Choice: (include type of first aide, doctor's name / location, hospital name and location):

_____

_____

_____

Expected work return date: _____

Type of Medical Action Taken:

[ ] First Aid
[ ] Visit Emergency Room
[ ] None Required
[ ] Visit Physician
[ ] Require Hospitalization

Explain cause of accident: _____

_____

_____

Do you recommend disciplinary action be taken?: _____

_____

_____ _____

Supervisor Date

Department Director review / comments: _____

_____

_____

_____ _____

Department Director Date

(Pages 1 & 2 must accompany the NOTICE OF ACCIDENT when handed in to the Safety Secretary. Forms will be rejected if incomplete—make sure documents are complete and forms signed)

TYPE OF MEDICAL ACTION TAKEN

[ ] First Aid
[ ] Visit Emergency Room
[ ] Visit Physician
[ ] Require Hospitalization
[ ] None Required

Please explain: (include type of first aid, doctor's name address, hospital name and address. Why hospitalized etc…)

_____
_____
_____
_____

_____ _____
Signature of Employee Date

SUPERVISOR OR DEPARTMENT SUPERVISOR USE ONLY!!!

Do you recommend disciplinary action be taken? _____
_____

Review and Comments: _____

_____ _____
Supervisor or Department Head Signature Date

NEW MEXICO WORKERS' COMPENSATION ADMINISTRATION

Phone: (505) 841-6000 **In-State Toll Free: 1-800-255-7965**

FARMINGTON: 599-9746/1-800-568-7310 **LAS CRUCES:** 524-6246/1-800-870-6826

LAS VEGAS: 454-9251/1-800-281-7889 **LOVINGTON:** 396-3437/1-800-934-2450

FILING INSTRUCTIONS

PURPOSE: To report all alleged work-related injuries or illnesses resulting in more than 7 days of lost work or in death of the worker. This form is not an admission or denial by the employer as to whether the worker's alleged injury or illness is compensable, **and must be completed by the employer or the employer's representative.**

WHEN TO FILE: This form must be filed within 10 days of knowledge of any alleged work-related injury or illness that results in more than 7 days of lost work. **It must be filed even if the employer disputes the worker's claim of work-related injury or illness.**

WHERE TO FILE: Mail the original form to the New Mexico Workers' Compensation Administration (Attention: Statistics) at the address on the front of this form. **Copies must also be provided to the worker and the employer's workers' compensation insurer.**

PENALTIES: Each instance of failure to file this form when required is punishable by a fine of up to $1,000.00.

INSTRUCTIONS FOR COMPLETION

FILLING IN THE SHADED AREAS IS OPTIONAL. The employer may wish, however, to use some of these areas (such as "Witnesses") for the employer's records. Expanded instructions are found in the publication ***Guide to Completing the Employer's First Report of Injury or Illness***, available from the Administration's Albuquerque office (call either number bold-faced above and ask for Statistics).

Please print in black ink or type, and ensure that all entries are legible before submission. An illegible or incomplete E1 may be returned.

NAIC CODE: Represents the nature of the employer's business at the location where the worker was employed at the time of injury or illness exposure; derived from the federal government publication *North American Industry Classification System Manual.* Include this code if known.

EMPLOYER'S LOCATION ADDRESS: Facility where the worker was employed at the time of injury, if different from mailing address.

CARRIER: Name, mailing address and telephone number of the licensed business entity issuing a contract of insurance and assuming financial responsibility on behalf of the employer. A WCA-approved self-insured employer should enter its business name.

CLAIMS ADMINISTRATOR: Name, mailing address and telephone number of the insurance carrier, agency, third party administrator or self-insured responsible for adjusting the claim.

EMPLOYER, CARRIER OR ADMINISTRATOR FEIN: Federal Identification Number, assigned by the Internal Revenue Service.

DID SALARY CONTINUE? Shows if the employer is continuing to pay the worker's regular wages *without charge to employee benefits.*

DATE OF INJURY/ILLNESS: In the case of an occupational illness (arising from the worker's activity or exposure over an extended period), enter the date of diagnosis or the date first reported to the employer as possibly work-related.

DATE EMPLOYER NOTIFIED: The date the worker first notified (verbally or in writing) the employer or the employer's representative of the alleged work-related injury or illness.

DATE DISABILITY BEGAN: The first full day on which the worker lost time from work due to the injury or illness.

TYPE OF INJURY OR ILLNESS: Briefly describe the nature of the injury (such as lacerations to the forearm) or illness (such as carpal tunnel syndrome). Be as specific as possible.

PART OF BODY AFFECTED: The specific part of body affected by the injury or illness (for example, right forearm, lower back).

DEPARTMENT OR LOCATION: If the accident or illness exposure did not occur on the employer's premises, enter specific address or location (for example, Client's office at 123 Main St., Yourtown, NM 87xxx). For occurrences in New Mexico, give ZIP or COUNTY.

ALL EQUIPMENT, MATERIAL OR CHEMICALS: List all equipment, materials and/or chemicals the worker was using, applying, handling or operating when the injury or illness exposure occurred. Be specific (for example, decorator's scaffolding, electric sander, paintbrush and paint). Enter "NA" if not applicable. NOTE: The items listed do not have to be directly involved in the worker's injury or illness.

SPECIFIC ACTIVITY: Describe the specific activity the worker was engaged in when the accident or illness exposure occurred (for example, sanding ceiling woodwork in preparation for painting).

WORK PROCESS: Describe the work process the worker was engaged in when the accident or exposure occurred, such as building maintenance. Enter "NA" for not applicable if not engaged in a work process (for example, if the worker was walking along a hallway).

HOW INJURY OR ILLNESS OCCURRED: Describe how the injury or illness/abnormal health condition occurred. Be very specific. Include the sequence of events and name any objects or substances that directly injured the worker or made the worker ill. (For example: worker stepped back to inspect work and slipped on some scrap metal. As worker fell, worker brushed against the hot metal.)

WORKER'S/EMPLOYER'S RIGHTS AND RESPONSIBILITIES

If you, the worker, believe that benefits are due you under the Workers' Compensation Act, and your employer or the employer's insurance carrier has failed or refused to make those benefits available to you, you have a right to file a complaint with the New Mexico Workers' Compensation Administration. Workers and employers with questions about rights or responsibilities under the Act may contact an ombudsman at any Workers' Compensation Administration regional office for information and assistance. To do so, call any of the above-listed telephone numbers (8 a.m. to 5 p.m. M-F).

NEW MEXICO WORKERS' COMPENSATION ADMINISTRATION

EMPLOYERS' FIRST REPORT OF INJURY OR ILLNESS

2410 CENTRE AVE. SE ♦ PO BOX 27198
ALBUQUERQUE, NM 87125-7198

OFFICIAL USE ONLY

PLEASE PRINT IN BLACK INK OR TYPE.

GENERAL

EMPLOYER (NAME & ADDRESS INCL ZIP)
Village of Los Lunas
PO Box 1209
Los Lunas, NM 87031

PHONE NUMBER: (505) 839-3840
EMPLOYER FEIN: 85-6003007

CARRIER / ADMINISTRATOR CLAIM #
OSHA LOG NUMBER
REPORT PURPOSE CODE
JURISDICTION
JURISDICTION CLAIM NUMBER
INSURED REPORT NUMBER
EMPLOYER'S LOCATION ADDRESS (IF DIFFERENT)
LOCATION #
INDUSTRY CODE

CARRIER / CLAIMS ADMIN

CARRIER (NAME, ADDRESS & PHONE NO)
New Mexico Self Insurer's Fund
PO Box 846
Santa Fe, NM 87504-0846

1-800-432-2036

POLICY PERIOD
TO
CHECK IF APPROPRIATE
☐ SELF INSURANCE
CLAIMS ADMINISTRATOR (NAME, ADDRESS & PHONE NO)
CARRIER FEIN
POLICY / SELF-INSURED NUMBER: 1560
ADMINISTRATOR FEIN
AGENT NAME & CODE NUMBER

EMPLOYEE

NAME (LAST, FIRST, MIDDLE)
DATE OF BIRTH
SOCIAL SECURITY NUMBER
DATE HIRED
STATE OF HIRE
ADDRESS (INCL ZIP)
GENDER: ☐ MALE ☐ FEMALE ☐ UNKNOWN
MARITAL STATUS: ☐ UNMARRIED SINGLE/DIVORCED ☐ MARRIED ☐ SEPARATED ☐ UNKNOWN
OCCUPATION/JOB TITLE OR (SOC) CODE
EMPLOYMENT STATUS
PHONE NUMBER
OF DEPENDENTS
NCCI CLASS CODE

WAGE

RATE
PER: ☐ DAY ☐ WEEK ☐ MONTH ☐ OTHER:
DAYS WORKED/WEEK
FULL PAY FOR DAY OF INJURY? ☐ YES ☐ NO
DID SALARY CONTINUE? ☐ YES ☐ NO

OCCURRENCE

TIME EMPLOYEE BEGAN WORK ☐ AM ☐ PM
DATE OF INJURY/ILLNESS
TIME OF OCCURRENCE ☐ AM ☐ PM
LAST WORK DATE
DATE EMPLOYER NOTIFIED
DATE DISABILITY BEGAN
CONTACT NAME / PHONE NUMBER
Loretta Griego (505) 352-7634
TYPE OF INJURY/ILLNESS
PART OF BODY AFFECTED
DID INJURY/ILLNESS EXPOSURE OCCUR ON EMPLOYER'S PREMISES? ☐ YES ☐ NO
TYPE OF INJURY / ILLNESS CODE
PART OF BODY AFFECTED CODE
DEPARTMENT OR LOCATION WHERE ACCIDENT OR ILLNESS EXPOSURE OCCURRED
ALL EQUIPMENT, MATERIALS, OR CHEMICALS EMPLOYEE WAS USING WHEN ACCIDENT OR ILLNESS EXPOSURE OCCURRED
SPECIFIC ACTIVITY THE EMPLOYEE WAS ENGAGED IN WHEN THE ACCIDENT OR ILLNESS EXPOSURE OCCURRED
WORK PROCESS THE EMPLOYEE WAS ENGAGED IN WHEN ACCIDENT OR ILLNESS EXPOSURE OCCURRED
HOW INJURY OR ILLNESS / ABNORMAL HEALTH CONDITION OCCURRED. DESCRIBE THE SEQUENCE OF EVENTS AND INCLUDE ANY OBJECTS OR SUBSTANCES THAT DIRECTLY INJURED THE EMPLOYEE OR MADE THE EMPLOYEE ILL.
CAUSE OF INJURY CODE
DATE RETURNED TO WORK
IF FATAL, GIVE DATE OF DEATH
WERE SAFEGUARDS OR SAFETY EQUIPMENT PROVIDED? ☐ YES ☐ NO
WERE THEY USED? ☐ YES ☐ NO

TREATMENT

PHYSICIAN / HEALTH CARE PROVIDER (NAME & ADDRESS)
HOSPITAL (NAME & ADDRESS)
INITIAL TREATMENT
☐ NO MEDICAL TREATMENT
☐ MINOR: BY EMPLOYER
☐ MINOR CLINIC/HOSPITAL
☐ EMERGENCY CARE
☐ HOSPITALIZED > 24 HRS
☐ FUTURE MAJOR MEDICAL/ LOST TIME ANTICIPATED

OTHER

WITNESSES (NAME & PHONE #)
DATE ADMINISTRATOR NOTIFIED
DATE PREPARED
PREPARER'S NAME & TITLE

Completion of this form is not an admission that the claim is compensable under the Workers' Compensation Act.

OSHA's Form 301
Injury and Illness Incident Report

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

This *Injury and Illness Incident Report* is one of the first forms you must fill out when a recordable work-related injury or illness has occurred. Together with the *Log of Work-Related Injuries and Illnesses* and the accompanying *Summary*, these forms help the employer and OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.

According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains.

If you need additional copies of this form, you may photocopy and use as many as you need.

Completed by _____

Title _____

Phone (_____)_____-_____ Date ____/____/____

Information about the employee

1) Full name _____

2) Street _____

City _____ State _____ ZIP _____

3) Date of birth ____/____/____

4) Date hired ____/____/____

5) ☐ Male
☐ Female

Information about the physician or other health care professional

6) Name of physician or other health care professional _____

_____

7) If treatment was given away from the worksite, where was it given?

Facility _____

Street _____

City _____ State _____ ZIP _____

8) Was employee treated in an emergency room?
☐ Yes
☐ No

9) Was employee hospitalized overnight as an in-patient?
☐ Yes
☐ No

Information about the case

10) Case number from the *Log* _____ *(Transfer the case number from the Log after you record the case.)*

11) Date of injury or illness ____/____/____

12) Time employee began work _____ AM / PM

13) Time of event _____ AM / PM ☐ Check if time cannot be determined

14) ***What was the employee doing just before the incident occurred?*** Describe the activity, as well as the tools, equipment, or material the employee was using. Be specific. *Examples:* "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

15) ***What happened?*** Tell us how the injury occurred. *Examples:* "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."

16) ***What was the injury or illness?*** Tell us the part of the body that was affected and how it was affected; be more specific than "hurt," "pain," or sore." *Examples:* "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."

17) ***What object or substance directly harmed the employee?*** *Examples:* "concrete floor"; "chlorine"; "radial arm saw." *If this question does not apply to the incident, leave it blank.*

18) ***If the employee died, when did death occur?*** Date of death ____/____/____

WORKER'S AUTHORIZATION FOR DISCLOSURE OF PROTECTED HEALTH INFORMATION FOR WORKERS' COMPENSATION PURPOSES (HIPAA COMPLIANT)

I, (Print Worker's Name) _____, hereby authorize the health care provider (HCP) – (the name of HCP is optional and not required for release of medical information) (Print Health Care Provider's Name) _____ the use or disclosure of my health information as described in this authorization.

1. **INFORMATION** WCA No. _____

Date of Birth _____ Date of Injury _____ SSN _____

Address _____ Phone _____

Worker's representative, if any: _____ Phone _____

Address: _____

2. **RELEASE**

I authorize the Health Care Provider (HCP) or any member or employee of its office or association who has examined or treated me, as well as any hospital or treatment facility in which I have been a patient, to disclose and release complete and legible copies of any and all information concerning my physical or psychiatric condition, care and treatment, to my employer, _____, and/or its insurance carrier, _____, and/or their attorneys, and/or duly authorized representatives of the New Mexico Workers' Compensation Administration and its current medical cost containment contractor or their duly authorized agents. Copies of all documentation released pursuant to this authorization shall be sent to the agency requesting the information and to me or my representative as listed above.

3. I understand the following information will be released pursuant to a work-related/occupational injury or illness/workers' compensation claim: medical reports; clinical notes; nurses' notes; patient's history of injury; subjective and objective complaints; x-rays; test results; interpretation of x-rays or other tests (including a copy of the report); diagnosis and prognosis; hospital bills; bills for services the HCP has rendered; payments received; and any other relevant and material information in the HCP's possession. This Authorization also includes, if applicable, any hospital operational logs, emergency logs, tissues committee reports, psychiatric reports and records, physical therapy records, and all outpatient records. This release may also be used to request a Form Letter to HCP as approved by the Workers' Compensation Administration. I understand that I have the right to restrict the information that may be provided by signing this authorization to the extent provided by law.

CONDITIONS

4. I understand the purpose of this request is to determine the proper level of workers' compensation benefits and may include information regarding any of the following: to determine my occupational injury or illness status; to determine my eligibility for workers' compensation benefits; to determine my current and future medical status after occupational injury; to determine my current medical status and/or return-to-work capability.

5. Right to revoke: I understand I have the right to revoke this authorization at any time by notifying the company named in Paragraphs 1 and 2. I understand that the revocation is only effective after it is received and logged by that company and that any use or disclosure made prior to the revocation under this authorization will not be affected by the revocation. I further understand that my revocation of this authorization may affect my ability to receive occupational injury or workers' compensation benefits governed by this revocation.

6. I understand that after this information is disclosed, the recipient may continue to use it pursuant to my prior authorization, regardless of my subsequent revocation of this authorization. I further understand that different protections may be available pursuant to state and federal law.

7. I understand that information to be released pursuant to a work-related/occupational injury or illness/workers' compensation claim may also be released to WCA and its current medical cost containment contractor or their duly authorized agents.

8. I hereby expressly waive any regulations and/or rules of ethics that might otherwise prevent any hospital, health care provider or other person who has treated me or examined me in a professional capacity from releasing such records.

9. A photostatic or other copy of this Release, which contains my signature, shall be considered as effective and valid as the original, and shall be honored by those to whom it is sent or provided for a period of six (6) months from the date it was signed.

10. This Release does not authorize any personal or telephonic conferences or correspondence directly between any health care provider and a representative of my employer, its attorney or insurance carrier to discuss my case and is solely for the release of medical documentation as set forth herein. Brief communication for the limited purpose of obtaining medical records is permitted.

11. I understand I am entitled to a copy of this authorization and to any records provided hereunder. I am requesting a copy of this authorization ☐ Yes ☐ No - If Yes, I have received a copy _____ (initial)
I understand this authorization will expire within six (6) months of the date I signed it, unless I revoke it earlier, pursuant to Paragraph 5.

Signature of Employee _____ Date _____

Personal Representative Section:

If a personal representative executes this form, that representative warrants that he or she has authorization to sign this form on the basis of (print detailed basis for representation): _____
_____.

Signature of Personal Representative _____ Date _____

CHOICE OF HEALTH CARE PROVIDER FORM

It is your employer's policy to allow an employee who is injured on-the-job to choose their first health care provider.

By signing below, you understand and acknowledge that your employer is not directing your initial Health Care Provider Choice. We reserve the right after sixty days to change your Health Care Provider to the provider of our choice.

PRINT NAME: _____

SIGNATURE: _____

DATE: _____

APPENDIX F

EMERGENCY RESPONSE AGENCY COORDINATION

Fire Chief: John Gabaldon;

Subject: Emergency Responders General Contingency Plan

As part of our State Permit Renewal, it is requested, to have written response in our permitting plan, from our Emergency Responders. Acknowledging familiarity to property and its location 7480 Main Street. Utilization of our Transfer Station Building and all associated equipment and appliances. Used in daily operations of residential and commercial trash collections. The collection of recycling materials and processing and handling of all materials.
We are also in the planning and development stages of an in-vessel composting operation. Which will require us to process and store raw-green waste as part of steps involved with this type of composting procedure.
We look forward to visiting with you and your staff for a sight visit on; Thursday June 13, 2019, at 2:00 PM Thursday

Marcus Montoya

Respectfully
Marcus Montoya
Superintendent
Solid Waste Division

Police Chief: Naithan Gurule,

Subject: Emergency Responders General Contingency Plan

As part of our State Permit Renewal, it is requested, to have written response in our permitting plan, from our Emergency Responders. Acknowledging familiarity to property and its location 7480 Main Street. Utilization of our Transfer Station Building and all associated equipment and appliances. Used in daily operations of residential and commercial trash collections. The collection of recycling materials and processing and handling of all materials.
We are also in the planning and development stages of an in-vessel composting operation. Which will require us to process and store raw-green waste as part of steps involved with this type of composting procedure.
We look forward to visiting with you and your staff for a sight visit on; Thursday June 13, 2019, at 2:00 PM Thursday

Respectfully
Marcus Montoya
Superintendent
Solid Waste Division

Saftey walk threw at Los Lunas Transfer Station

Name	Recived pakets	Date
[redacted] SWD	✓	6-13-19
Marcus Tenorio Mdzen	✓	6/13/19
[redacted] SWD	✓	6-13-19
[redacted]		6-13-19
Matt [redacted]		6-13-19
Jordan Linton		06-13-19
Andrew Yamamoto		6/13/19
Arturo Romero	✓	6-13-19
Jack Chavez		6-13-19

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 7
CLOSURE AND POST-CLOSURE PLAN

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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CLOSURE AND POST-CLOSURE PLAN

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1.0 INTRODUCTION

1.1 Purpose of Closure and Post-Closure Plan

This Closure and Post-Closure Care Plan has been prepared for the Village of Los Lunas Transfer Station in accordance with 20.9.6.8, 20.9.6.11, and 20.9.6.12 NMAC. Generally, this plan provides information regarding the required activities at the Transfer Station site should the Village elect to discontinue the use of the facility for processing of solid waste. The plan also provides any continued site monitoring abatement activities that would be required over the 30 years following the closure of the facility.

1.2 Facility Components

The Village of Los Lunas Transfer Station is operated by the Village of Lunas Public Works Department Solid Waste Division. Detailed descriptions of the Transfer Station facilities and equipment utilized on site are provided in Exhibit No. 2, General Operations Plan. The site includes the following facilities:

- Transfer Station Building
- Administration Building
- Recycled Glass Processing Area
- White goods, E-waste, and Waste Oil Area
- Maintenance Shop
- Residential Drop-Off Area
- Green Waste Stockpiling Area
- Baled Products Stockpiling Area

Solid waste is transferred to either the Sandoval County or Valencia Regional landfill for final disposal. Recyclables are screened, processed, and transferred off-site to third parties. Green waste is currently collected and stockpiled before being transferred to the Sandoval County landfill composting facility. The Solid Waste Division is currently completing design of a new on-site, in-vessel composting system which will combine green waste collected from the Village

with dewatered municipal wastewater sludge from the Village's wastewater treatment plant and other feedstocks such as animal manure. White goods, scrap metal, e-waste, tires, waste oil and other similar waste are retained on-site in contained areas and sent off-site for treatment and/or disposal. No processing of these wastes is provided on-site and only limited quantities are delivered to the Transfer Station.

The original design capacity of the Transfer Station was approximately 80 tons of solid waste per day and was expanded to an estimated 135 tons per day in 2011. The Village currently processes about 60 tons of solid waste per day and anticipates the population of the Village to double over the life of the renewed permit. The Transfer Station will likely approach its processing capacity toward the end of this permit cycle, and modifications to the facility may be required to increase the capacity of the facility, such as weekend collection and facility operation.

The Village anticipates that the Transfer Station will remain in operation over the 20-year permit duration. Closure of the facility is unlikely to occur in the next 20 years. Should the VLLTS close, the Village has no immediate plan for future uses of the property following closure.

2.0 CLOSURE PLAN

2.1 Initiation of Closure Plan

This Closure Plan may be initiated by one of two mechanisms. The first mechanism is a self-initiation by the Village if they desire to close the facility and cease to accept solid waste indefinitely. The Closure Plan may also be initiated by the Village suspending operation of the Transfer Station for at least five years. The Village is required to carry out all activities in this Closure and Post-Closure Plan regardless of the mechanism by which the closure is initiated.

If the Village anticipates closure, the Village must provide written notification to the Secretary of the New Mexico Environment Department (NMED) at least 90 days before closure activities begin. After closure activities have been completed and the facility is locked, the Village must provide similar written notification to the Secretary of the NMED within 14 days.

In accordance with 20.9.6.12 NMAC, closure of the Village of Los Lunas Transfer Station includes general site cleanup, removal of all solid waste, removal of all collection and processing equipment, and minor modifications to the facility so that it may be repurposed for a beneficial use. More specific requirements for each activity are provided in the following subsections. All activities are to be carried out by a third party and may be carried out in any order. A cost estimate of the closure and post-closure activities for a third party is provided in Exhibit No. 15, Financial Assurance.

2.2 General Facility Cleanup

The existing facility must be completely cleaned prior to closure. This activity includes, but is not limited to the following:

- Disposal of all solid waste accumulated at the site including recyclables, green waste, E-waste, white goods, scrap metal, tires and other wastes.
- Wash-down and general cleaning of the Main Tipping Building and Administration Building.

- Emptying the evaporation pond by allowing evaporation or pumping and hauling of the accumulated liquid.
- Pumping and hauling of septage in the on-site wastewater treatment systems.
- Disposal of all solid waste containers.

2.3 Equipment Removal

All equipment on the site is to be removed and disposed of properly. A full listing of all major equipment utilized at the Transfer Station is provided in Exhibit No. 2, General Operations Plan. If premature closure occurs, it is anticipated that the equipment will have some salvage value and may be sold or repurposed by the Village. The salvage value of the equipment is not considered in the cost of closure estimated in Section 5.

2.4 Facility Modifications

It is anticipated that the Transfer Station site and buildings could be repurposed for a beneficial use after closure and, therefore, demolition of the existing structures is not required or practical. Minor modifications to the existing facility will be required in order to fully lock down the facility and prohibit illicit access. These modifications include:

- Fully enclosing the lower level with a second garage door and covering for the waste chute.
- Boarding of windows and securing of all exterior doors.
- Draining and flushing of all plumbing systems.
- Disconnection and lock-out of primary electrical feed.
- Abandonment and plugging of the existing non-potable water supply well.

2.5 Soil and Groundwater Testing

It is not anticipated that ongoing soil and groundwater testing will be required during closure. However, if required by the NMED, the Village will develop and implement a soil and groundwater testing plan to determine if the site is contaminated. This plan will require approval

from the NMED. Implementation of the testing plan will be considered part of closure activities, and final test results must be provided to the NMED prior to final closure.

2.6 Closure Certification

Within 60 days of the completion of closure, the Village must submit a closure report to the NMED that provides a summary of the closure actions completed. The report must be certified by a New Mexico registered professional engineer.

3.0 POST-CLOSURE CARE PLAN

Pursuant to 20.9.6.12 (B) NMAC, post-closure inspection and maintenance may be waived if approved in writing by the Secretary of the NMED. In order to obtain this waiver, the Village must demonstrate that there is no evidence of soil or groundwater contamination resulting from operation of the Transfer Station and that all closure requirements have been met. If contamination is found, the Village will develop a specific post-closure care plan to address the contamination for approval by the NMED. The post-closure care period will be at the discretion of the NMED and may be shortened by the Secretary of the NMED if the Village demonstrates that a reduced period is sufficiently protective of public health and welfare, and the environment.

Within 60 days of the expiration of the post-closure period, the Village must submit a post-closure report to the NMED. The report must be certified by a New Mexico registered professional engineer, who shall attest that all post-closure activities have been completed.

4.0 FINANCIAL ASSURANCE

The Village is required to maintain financial assurance for closure and post-closure of the Transfer Station. A detailed cost estimate for closure and post-closure is provided in Exhibit No. 15, Financial Assurance. In accordance with 20.9.10.13 NMAC, the Village utilizes a Local Governmental Reserve Fund, enacted by Village Council Resolution 99-22, to guarantee that closure and post-closure activities will occur regardless of the Village's financial status.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 8
PERSONNEL TRAINING PLAN

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

1.0 GENERAL INFORMATION

The Village of Los Lunas Solid Waste Division's training plan for Transfer Station personnel is incorporated into Exhibit No. 2, General Operations Plan, Section 2.3.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 9
PLAT MAP AND PROPERTY DEED

Prepared for:

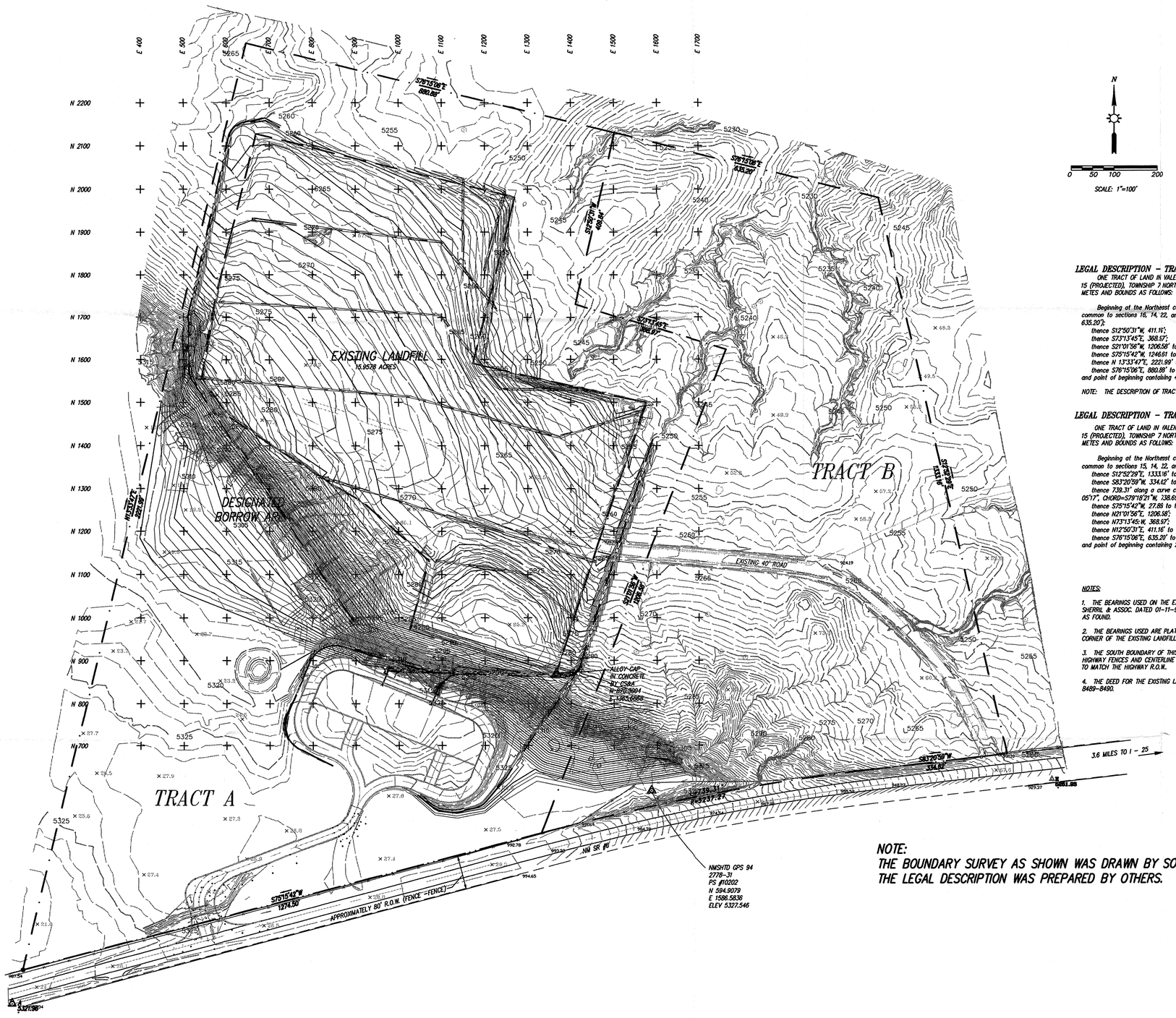
VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS



LEGAL DESCRIPTION – TRACT A

ONE TRACT OF LAND IN VALENCIA COUNTY, NEW MEXICO LOCATED IN SECTIONS 22 AND 15 (PROJECTED), TOWNSHIP 7 NORTH, RANGE 1 EAST OF THE NMPM. BEING DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

Beginning at the Northeast corner of the parcel (from whence the section corner common to sections 16, 14, 22, and 23 bears S86°46'17"W, 2401.26'; thence N76°15'06"W, 635.20');
thence S12°50'31"W, 411.15';
thence S73°13'45"E, 388.57';
thence S21°01'56"W, 1206.58' to the Southeast Corner;
thence S75°15'42"W, 1246.61 to the Southwest Corner,
thence N 13°53'47"E, 2221.89' to the Northwest Corner,
thence S76°15'06"E, 880.88' to the Northeast Corner,
and point of beginning containing 48.58 acres more or less.

NOTE: THE DESCRIPTION OF TRACT A INCLUDES THE EXISTING LANDFILL SITE.

LEGAL DESCRIPTION – TRACT B

ONE TRACT OF LAND IN VALENCIA COUNTY, NEW MEXICO LOCATED IN SECTIONS 22 AND 15 (PROJECTED), TOWNSHIP 7 NORTH, RANGE 1 EAST OF THE NMPM. BEING DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

Beginning at the Northeast corner of the parcel (from whence the section corner common to sections 15, 14, 22, and 23 bears S86°46'17"W, 2401.26');
thence S12°52'29"E, 1333.16' to the Southeast Corner;
thence S83°20'59"W, 334.62' to a point of curvature;
thence 739.31' along a curve concave to the Southeast (RADIUS=5237.27', DELTA=8° 05'17", CHORD=S79°18'21"W, 738.69' to a point of tangency;
thence S75°15'42"W, 27.85 to the Southwest Corner;
thence N21°01'56"E, 1206.58';
thence N73°13'45"W, 368.57';
thence N12°50'31"E, 411.16' to the Northwest Corner;
thence S76°15'06"E, 635.20' to the Northeast Corner;
and point of beginning containing 24.16 acres more or less.

NOTES:

1. THE BEARINGS USED ON THE EXISTING LANDFILL SITE ARE FROM A PLAT BY CLINT SHERRIL & ASSOC. DATED 01-17-95. THE LOCATION IS BASED ON THE MONUMENTS SHOWN AS FOUND.

2. THE BEARINGS USED ARE PLAT, BASED ON A FOUND MONUMENT A THE SOUTHEAST CORNER OF THE EXISTING LANDFILL SITE AND THE SECTION CORNER USED FOR THE TIE.

3. THE SOUTH BOUNDARY OF THIS PROPERTY, AS SHOWN, IS BASED ON THE EXISTING HIGHWAY FENCES AND CENTERLINE OF ASPHALT, THE SOUTH BOUNDARY WILL BE ADJUSTED TO MATCH THE HIGHWAY R.O.W.

4. THE DEED FOR THE EXISTING LANDFILL SITE IS RECORDED IN BOOK 289, PAGES 8489-8490.

NOTE:
THE BOUNDARY SURVEY AS SHOWN WAS DRAWN BY SOUDER, MILLER & ASSOC.
THE LEGAL DESCRIPTION WAS PREPARED BY OTHERS.

P:\LOS LUNAS\LANDFILL\4200408M-REV.DWG

DWG NO
PLOTDATE

REVISIONS
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____
BY ____ DATE ____ DESCR. ____

DATE 7/23/99
SCALE 1" = 100'
DRAWN RP
CHECKED SE
APPROVED SE

SOUDER, MILLER & ASSOCIATES
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS
1201 PARKWAY DRIVE, SUITE C
SANTA FE, NEW MEXICO 87505
(505) 473-9211
Santa Fe – Farmington
Albuquerque – Las Cruces

MILLER ENGINEERS, INC.

PROPERTY BOUNDARY
LOS LUNAS LANDFILL
LOS LUNAS, NEW MEXICO

SHEET
1 OF 1

JC 20067

010591

WARRANTY DEED

Louis F. Huning and John L. Huning, Trustees for the HUNING LAND TRUST ("Grantor"), for consideration paid, grant to THE VILLAGE OF LOS LUNAS, a New Mexico municipal corporation ("Grantee"), whose address is Post Office Box 1209, Los Lunas, New Mexico 87031, the following described real estate located in Valencia County, New Mexico:

That property described on Exhibit A attached hereto and incorporated herein by reference.

Grantors, as Seller, and Grantee, as Purchaser, entered into an Agreement for Purchase and Sale, dated October 31, 1991, covering the real estate described herein. The conveyance of the real estate described herein is subject to the terms and conditions of said Agreement for Purchase and Sale, the provisions of which survive closing.

SUBJECT TO non-delinquent property taxes and assessments, including any Conservancy District assessments, and all easements, rights-of-way, reservations, covenants, conditions and restrictions of records.

The conveyance set forth in this Warranty Deed are made with warranty covenants.

WITNESS the hand and seal of the Grantor this 31st day of October, 1991.

GRANTOR:

HUNING LAND TRUST

By: Louis F. Huning
Louis F. Huning, Co-Trustee

By: John L. Huning
John L. Huning, Co-Trustee

ACKNOWLEDGEMENT

BOOK 289 PAGE 8489

STATE OF NEW MEXICO)
) ss:
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 31st day of October, 1991, by Louis F. Huning and John L. Huning, Co-Trustees of the Huning Land Trust, on behalf of said Trust.

Kathy Serafin
Notary Public

My Commission Expires:

1-2-95

STATE OF NEW MEXICO
COUNTY OF VALENCIA
FILED FOR RECORD
289 PG 8489 # OF 2
NOV - 1 1991
10:00 AT A
COUNTY CLERK
AMT $ 7.00

EXHIBIT A

Real property generally described as being a Certain Tract of land situated within projected Section 22, Township 7 North, Range 1 East, New Mexico, County Valencia, and being more particularly described as follows:

BEGINNING at the Northwest Corner of the Tract, whence U.S.G.L.O. Brass Cap on the South Boundary of the Isleta Pueblo Grant, being the North Boundary of the San Clemente Grant and stamped Closing Corner, Section 15 and Section 16 on the San Clemente Grant, Township 7 North, Range 1 East, N.M.P.M., bears N 21° 41' 53" W, 3872.64 feet distant and whence a 2 inch Pipe at the Northwest Corner of projected Section 22, Township 7 North, Range 1 East, N.M.P.M., bears N 89° 40' 51" W, 1433.03 feet distant and running as follows:

THENCE S 76° 35' 45" E, 618.52 feet to a Point;
THENCE S 13° 15' 19" W, 407.24 feet to a Point;
THENCE S 78° 17' 47" E, 410.89 feet to the Northeast Corner;
THENCE S 18° 10' 43" W, 662.98 feet to the Southeast Corner;
THENCE N 73° 09' 14" W, 354.40 feet to a Point;
THENCE N 13° 18' 18" E, 165.49 feet to a Point;
THENCE N 48° 49' 05" W, 203.90 feet to a Point;
THENCE N 56° 35' 03" W, 367.97 feet to a Point;
THENCE N 37° 25' 00" W, 101.13 feet to the Southwest Corner;
THENCE N 08° 41' 27" E, 185.16 feet to a Point;
THENCE N 13° 13' 08" E, 399.59 feet to the Northwest Corner and the Point of Beginning and containing 15.9571 acres.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 10
LEASE

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

1.0 GENERAL INFORMATION

The Village of Los Lunas owns the land on which the Transfer Station is located and, therefore, no Lease Agreement is provided. Refer to Exhibit No. 9, Plot Map and Property Deed.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 11
REQUIRED OPERATING RECORD AND ANNUAL REPORT

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 2: EXHIBIT NO. 11
REQUIRED OPERATING RECORD AND ANNUAL REPORT

1.0 GENERAL INFORMATION 1-1

APPENDICES

Appendix A: Annual Filing Instructions.....

Appendix B: Old Daily Operation Logs .....

1.0 GENERAL INFORMATION

Each year, the Village of Los Lunas Solid Waste Division is required to submit their annual report on operations at the Transfer Station and the quantities of waste handled. Beginning with operating year 2019, the New Mexico Environment Department Solid Waste Bureau is requiring electronic submittal of the annual operating data via an online portal. The first three pages of the submittal instructions are included in Appendix A of this Exhibit. Daily transfer station logs are filled out documenting key activities performed that day and general observations around the VLLTS in accordance with 20.9.5.16 NMAC. Monthly waste summary logs are also filled out accordingly. The daily transfer station log and monthly waste summary are a part of the Transfer Station's operating record and are kept and maintained on-site in the Transfer Station Office.

The Solid Waste Division is also required to submit an annual update to their Financial Assurance mechanism. The required forms for the Financial Assurance update are included in Exhibit No. 15, Financial Assurance, and they are also available through the Solid Waste Bureau's webpage.

APPENDIX A
ANNUAL FILING INSTRUCTIONS

New Mexico Environment Department

Solid Waste Bureau
2019 Annual Report Instructions

Summary

The Solid Waste Bureau is now receiving Annual Reports through an online database. These step-by-step instructions will guide you through the reporting process.

All open, permitted **landfills**, **transfer stations**, and **processing facilities** and all open, registered **compost** and **recycling facilities** are required to complete the New Mexico Environment Department Solid Waste Bureau Annual Report, in accordance with the New Mexico Solid Waste Rules (20.9.5.16.D NMAC and 20.9.3.27.J NMAC).

Closed landfills that are required to submit Annual Reports as part of an approved closure plan **do not** need to use the online database but should submit the Annual Reporting Information and Environmental Monitoring Summary supplemental forms (if environmental monitoring is required). Instructions on how to complete these forms are included in this document.

Registered collection centers are **not** required to complete the Annual Report.

Things to Know

- Complete the online Annual Report for calendar year 2019 by **February 14, 2020.**
- Do not use the back arrow in your browser to move between webpages. Instead, use the **Back to Master Table** or **Back to List** buttons to navigate.
- Save your work as you go. Look for the **Save** button at the bottom of each page you edit.
- Go to the Solid Waste Bureau **Forms** webpage to download the supplemental forms you will attach to the online Annual Report: https://www.env.nm.gov/solid-waste/forms-2/#annualreports. Complete the required forms and save them to your computer as electronic files.
- Convert material amounts into **TONS** (see conversion factors in **Appendix D: Conversion Factors** in these Instructions).
- Landfill operators should submit their complete Environmental Monitoring Reports, as required by their landfill permits, to the Permit Section Manager throughout the year. This applies to both active permitted landfills and landfills in post-closure care. For more information, contact the Permit Section Manager at George.Schuman@state.nm.us .

- Facilities are required to keep a copy of each Annual Report on site through the completion of post-closure care. Annual Reports can be kept as either electronic files or paper files. After completing your report, you will be able to save and/or print the Annual Report for your facility's records. (See **Section 8: Submit Annual Report** in these instructions).

How to Log in to the Solid Waste Bureau Annual Report

Follow the instructions in **Appendix A: How to Register and Log in to the SWB Annual Report Database** in order to register a User ID and password for your facility. If you have previously registered for the SWB Annual Report Database, use your existing User ID and password to log in.

After you have registered your User ID, you will receive an email or phone call from the Environment Department's IT office to inform you that you have been approved to access the Annual Report Database. Once you have been approved, use the link below to access the database, enter your User ID and password, and begin work on your Annual Report:

https://sep.net.env.nm.gov/sep/login-form

Once you have logged in as a registered user, you will be able to add additional users from your facility, if you choose (See **Section 7: Contacts** in these instructions).

Facility List (also called Master Table)

When you log in to the Solid Waste Bureau Annual Report you will see the **Facility List** (see image on next page). If you are reporting for a single facility, you will only see that facility listed. If you are reporting for multiple facilities under one user name, you will see all facilities that you are responsible for reporting on listed on this page.

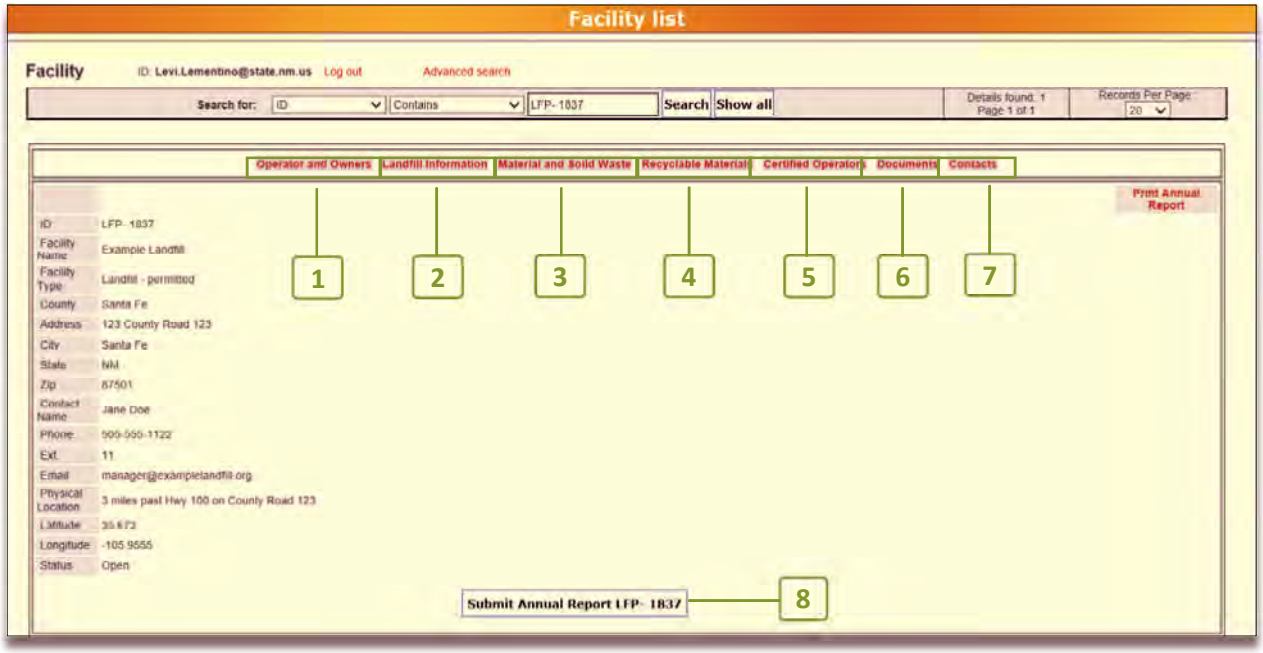
Please review the contact and location information for your facility on this page. If any information needs to be updated, please explain the required changes on the **Annual Reporting Information** supplemental form (See **Section 6: Documents** in these Instructions).

If all information shown here is correct, no action is needed.

As you continue to input data into the Annual Report tabs, you may return to this page by clicking the **Back to Master Table** button.

Instruction Sections

These instructions describe the tabs that make up the Annual Report (shown below). The following numbered sections of the instructions describe in full how to complete each tab:



1. Operator and Owners
2. Landfill Information
3. Material and Solid Waste
4. Recyclable Materials
5. Certified Operators
6. Documents
7. Contacts
8. Submit the Annual Report

These Instructions also describe the following:

9. Troubleshooting

Appendices

APPENDIX B
OLD DAILY OPERATION LOGS

6-4-18 Backhoe hrs 10233

6-5-18 Backhoe hrs 10235 Checked ok

6-6-18 Backhoe hrs 10237 Checked ok

6-7-18 Backhoe hrs 10242 checked ok

6-8-18 Back-hoe hrs 10244 checked ok
rudy forgot to unhook the air lines from sw56/sw3
and tore off the blue air line. Notified Marcus and Ar
and replace blue air line

6-11-18 Backhoe hrs 10247 checked ok

6-12-18 Backhoe hrs 10250 checked ok

6-13-18 Backhoe hrs 10253 checked ok

6-14-18 Backhoe hrs 10256 Checked ok

3404 Wagon Wheel
1501 Montera
251 Schicler

6-15-18 Backhoe hrs 10260 Checked ok

10-1-18 Backhoe hrs 10390 checked ok

1363 viste hill ✓

227 cortez ✓

1056 ladrone ✓

10-2-18 Backhoe hrs 10393 Checked ok

540 Pedro Chavez ✓

675 Hwy 314 ✓

10-3-18 Backhoe hrs 10394 Checked ok

450 Las Cerritas ✓✓

10-4-18 Backhoe hrs 10396 Checked ok

1106 Broadview ✓✓

450 Los Cerritos

10-5-18 Backhoe hrs 10399 Checked ok

244 Main St ✓✓

232 Pueblo ✓

535 Los Lentes

Village of Los Lunas Daily Transfer Station Log

Date	Backhoe Hours	Backhoe Observations/ Notes	Residential Drop-off Address	Daily Notes/Events

Month	Transferred out lbs.	Transferred out tons	Total Cost	Cost per Ton	Rain Totals	Well Meter	Residents	Plastic (Bales)	Tons of Plastic Picked Up	Blue Totes	Cardboard Bales	Tons of Cardboard Picked Up
January												
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												

Month	Paint (Gallons)	Oil (Gallons)	Tires	Tire Bales	Electronics	Glass Processed (tons)	Glass Hauled(tons)	Erosion Control (hrs)
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 12
TRANSPORTATION PLAN

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 2: EXHIBIT NO. 12
TRANSPORTATION PLAN

1.0 GENERAL INFORMATION 1-1

1.0 GENERAL INFORMATION

The contents of the Transportation Plan have been incorporated into Exhibit No. 2, General Operations Plan, Section 4.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 13
ZONING MAP AND SETBACKS MAP

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

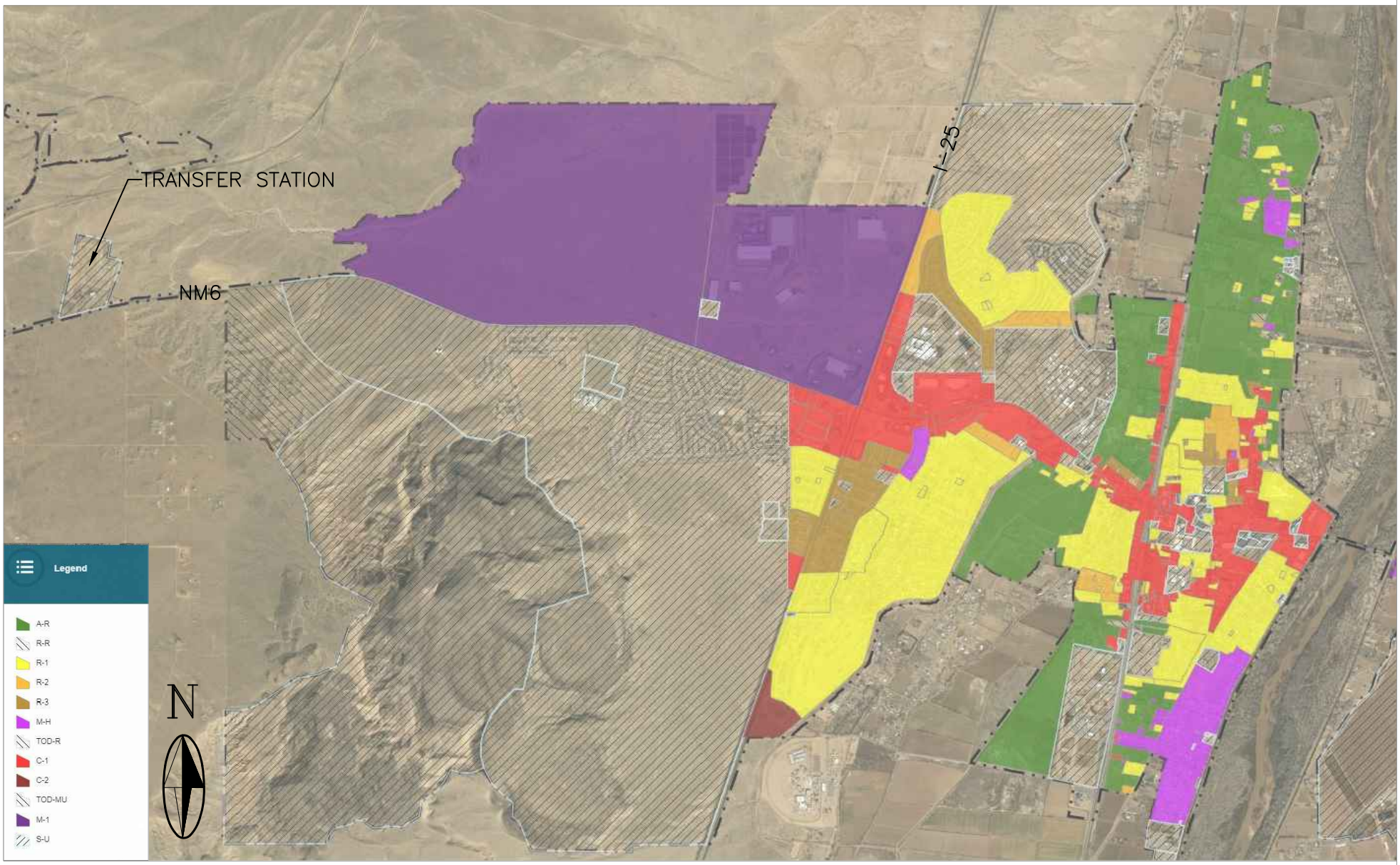
Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

LAST MODIFIED: Oct 23, 2018 - 3:56pm BY USER: dbelka
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\Figures\
DWG. NAME: WLL-exhibit zone.dwg

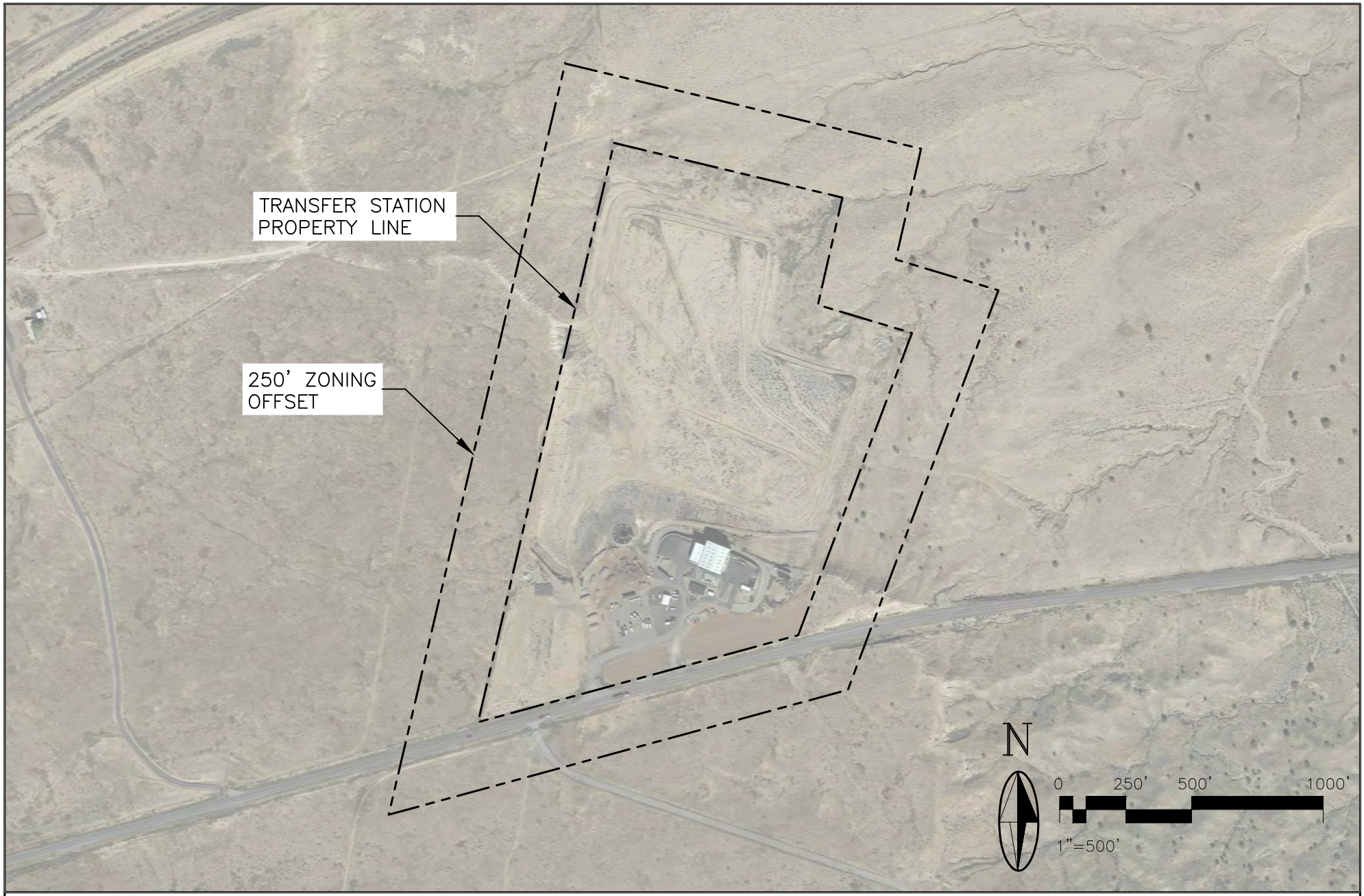


TRANSFER STATION PERMIT RENEWAL - LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT NO. 13A
ZONING MAP

LAST MODIFIED: Nov 05, 2019 - 2:53pm BY USER: mtenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: EX13B.dwg



TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT NO. 13B
SETBACKS MAP

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 14
WINDROSE

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 2: EXHIBIT NO. 14
WINDROSE

1.0 GENERAL INFORMATION 1-1

LIST OF FIGURES

Exhibit 14-A Automatic Weather Station Map .....
Exhibit 14-B Belen Airport Windrose .....
Exhibit 14-C Double Eagle II Airport Windrose .....

1.0 GENERAL INFORMATION

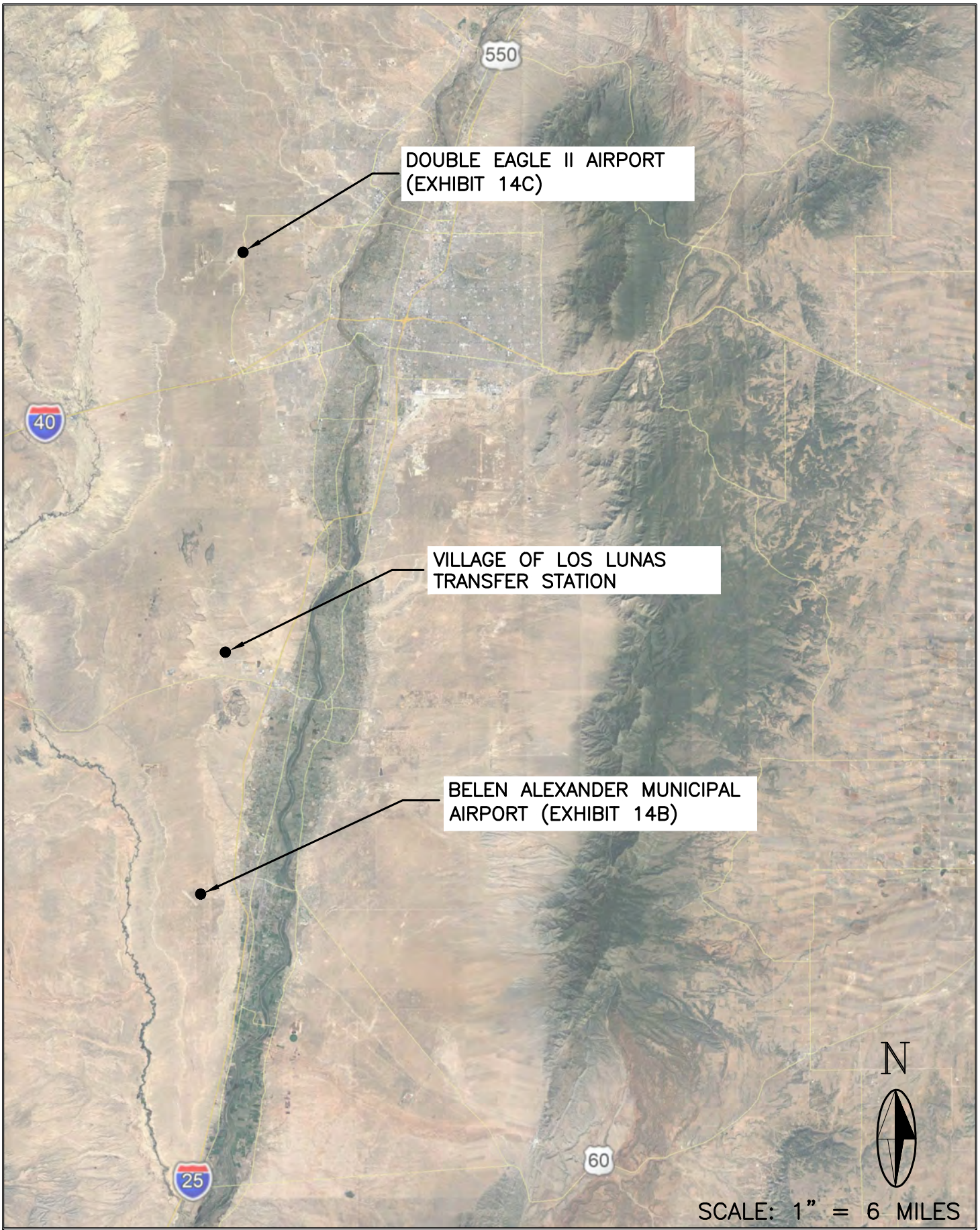
A wind rose is a graphic tool used to give a concise view of how wind speed and direction are typically distributed at a particular location. Each concentric circle presented in the windrose represents a wind speed, increasing from the center of the circle. The numerical values represent the amount of occurrences in which the wind is blowing in a particular direction at a given speed, usually presented in a percentage.

The Village of Los Lunas does not own or operate an automatic weather station near the Transfer Station that collects wind speed and directional data. As such, data was collected from two nearby weather stations:

- City of Belen's Alexander Municipal Airport (Exhibit 14B)
- City of Albuquerque's Double Eagle II Airport (Exhibit 14C)

These facilities are suitable proxies because they are also located on the western edge of the Rio Grande Valley (see Exhibit 14A). Additionally, both of these facilities exhibit similar wind speed and direction characteristics. According to both the Belen Alexander Municipal Airport and the Albuquerque Double Eagle II Airport wind roses', the strongest winds come from the West-Southwest direction. This holds true for most wind directions in the southwest region of the country.

LAST MODIFIED: Nov 05, 2019 - 2:58pm BY USER: mtonorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Exhibit 14A-WINDROSE.dwg



TRANSFER STATION PERMIT RENEWAL - LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT 14A

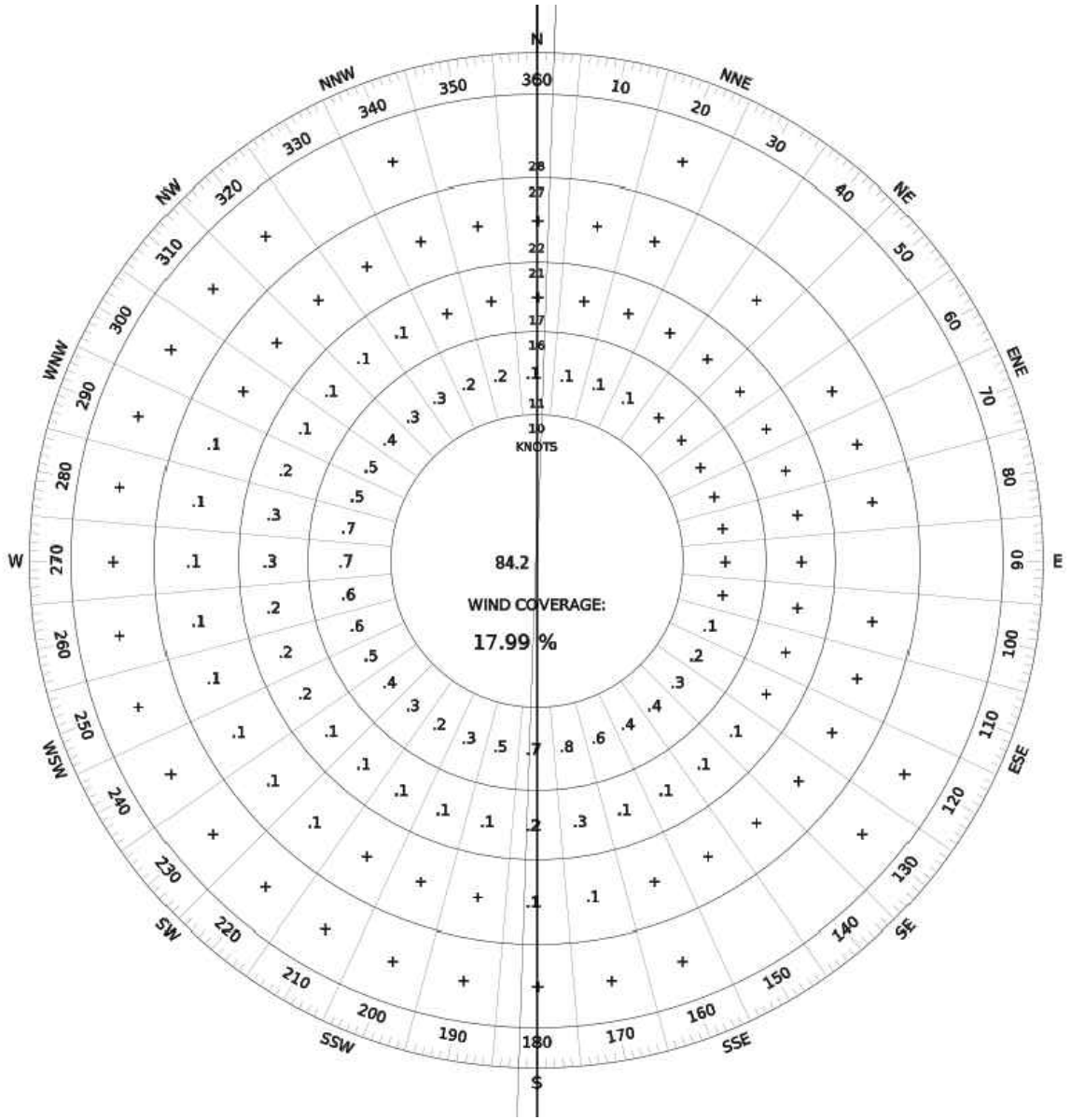
AUTOMATIC WEATHER STATION MAP

SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Belen Alexander Municipal Airport
Belen, New Mexico

OBSERVATIONS:
25,488 All Weather Observations
2010-2020

MAGNETIC DECLINATION:
8.35° East (July 2020)

ANNUAL RATE OF CHANGE:
0.10° West (July 2020)



BELEN ALEXANDER MUNICIPAL AIRPORT ALL-WEATHER WINDROSE

TRANSFER STATION PERMIT RENEWAL - LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT 14B
BELEN AIRPORT WINDROSE

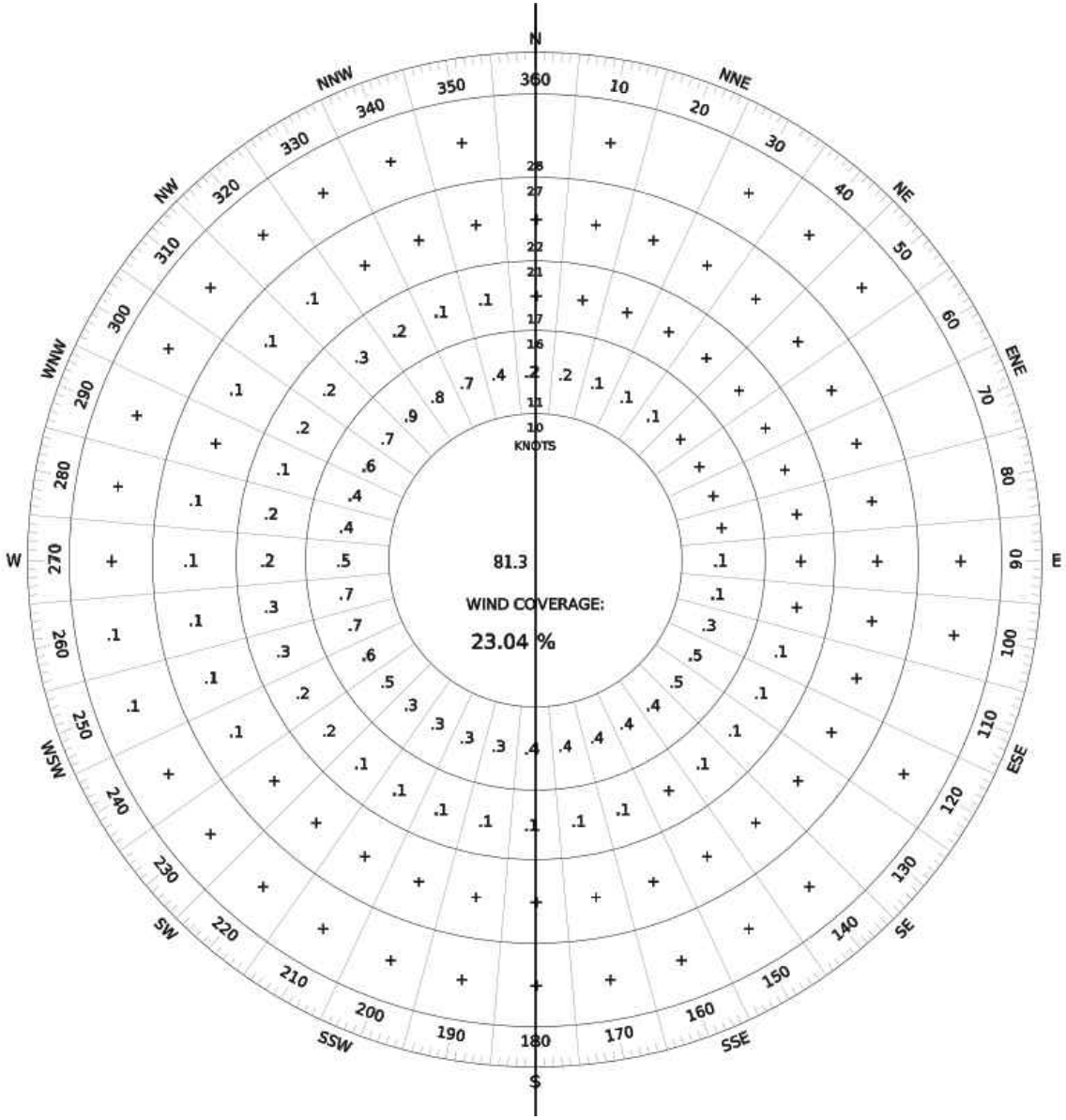
LAST MODIFIED: Jul 09, 2020 - 4:37pm BY USER: MTenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: WLL-WINDROSE.dwg

SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Double Eagle Airport
Albuquerque, New Mexico

OBSERVATIONS:
192,303 All Weather Observations
2010-2020

MAGNETIC DECLINATION:
8.39° East (July 2020)

ANNUAL RATE OF CHANGE:
0.10° West (July 2017)



DOUBLE EAGLE II AIRPORT
ALL-WEATHER WINDROSE

TRANSFER STATION PERMIT RENEWAL - LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT 14C

DOUBLE EAGLE II AIRPORT WINDROSE

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 15
FINANCIAL ASSURANCE

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOL. 2: EXHIBIT NO. 15
FINANCIAL ASSURANCE

1.0 GENERAL INFORMATION 1-1

APPENDICES

Appendix A: Village Council Resolution 19-20 .....

Appendix B: Reserve Account Deposit Confirmation and Fiscal Officer Letter .....

Appendix C: 2018 Closure Cost Estimate .....

1.0 GENERAL INFORMATION

Financial assurance for closure construction costs and any post-closure activities is provided by a Local Government Reserve Fund that was established by Village of Los Lunas Council Resolution 19-20, dated August 22, 2019. A copy of the resolution is provided in Appendix A. The resolution requires that the Village make annual deposits into the dedicated cash reserve account so that it is fully funded by the end of 2025. The first deposit was made on September 12, 2019 and evidence of this is provided in Appendix B. All proper documentation as required by NMAC 20.9.10.20 is provided in this Exhibit.

On an annual basis, the Solid Waste Division will submit copies of the updated financial assurance cost estimate and the Village's Solid Waste Enterprise audit. The current cost estimate is provided in Appendix C. Each year, the financial assurance costs must be updated to account for inflation. Typically, nationwide inflation is approximately 2 to 3% and can be calculated using the U.S. Bureau of Labor Statistics online Consumer Price Index calculator (https://www.bls.gov/data/inflation_calculator.htm). Another potential method for adjusting the cost for inflation is to use the Construction Cost Index. Audits for the previous fiscal year (July through June) typically become available in the fall.

Since this Permit Modification and Renewal includes a future composting facility, an updated financial assurance form with anticipated closure costs for the composting facility will be submitted within 90 days of commencing operation of the composting facility.

APPENDIX A

VILLAGE COUNCIL RESOLUTION 19-20

RESOLUTION 19-20

VILLAGE OF LOS LUNAS
LOCAL GOVERNMENT RESERVE

RESOLUTION ESTASLISHING A RESERVE FUND AND RELATED LIABILITY ACCOUNT IN THE TRANSFER STATION ASSURANCE FUND TO PROVIDE FUNDS FOR FUTURE CLOSURE COSTS AT THE VILLAGE OF LOS LUNAS TRANSFER STATION.

Whereas, the Village of Los Lunas is operating in accordance with applicable rules to close a solid waste management facility known as the Village of Los Lunas Transfer Station: and

Whereas, the Village of Los Lunas Transfer Station facility has been designed and constructed to meet or exceed the Solid Waste Rules of the State of New Mexico: and

Whereas, the Solid Waste Rules 20.9.2 – 20.9.10 NMAC require the owner or operator shall establish and maintain financial assurance for closure of the facility: and

Whereas: the cost for closure is estimated to be Sixty-Four Thousand Five Hundred and Fourteen dollars ($64.514.00)

NOW BE IT RESOLVED BY THE GOVERNING BODY OF THE VILLAGE OF LOS LUNAS;

Section 1. That the Village of Los Lunas establish a reserve fund within its existing financial accounting system to be used solely to fund future closure of the Village of Los Lunas Transfer Station facility as specified in the NMED approved closure plan.

Section 2. That each year an NMED Transfer Station Closure Costs Estimate form shall be utilized to reflect any increases or decreases in the 2019 estimate of $64.514.00. That each year the Village of Los Lunas shall include as part of its annual budget submittal, an appropriate amount to be transferred into the reserve fund for the unspent appropriation. The first payment into the fund shall be $12.902.80 on 9/12 2019, subsequent annual payments shall be at least equal to the difference between the fund balance and the current approved closure cost estimate divided by the number of years remaining in the five (5) year pay-in period. The pay-in period will be five (5) years beginning in calendar year 2020. Beginning in calendar year 2025 the balance in the fund shall equal or exceed the current annual closure cost estimate.

Section 3. That withdrawals from the reserve fund shall be only for the purpose of closure as defined in the Solid Waste Rules of the State of New Mexico for the Village of Los Lunas Transfer Station.

Section 4. That withdrawals from the reserve fund shall be authorized by the Village of Los Lunas and the Secretary of the New Mexico Environment Department upon submission of adequate proof of work performed for closure as defined in the Solid Waste Rules for the State of New Mexico.

PASSED, ADOPTED, AND APPROVED THIS 22nd day of August 2019.

Charles Griego, Mayor

ATTEST:

Gregory D. Martin, Village Administrator

APPENDIX B

RESERVE ACCOUNT DEPOSIT CONFIRMATION AND FISCAL OFFICER LETTER

MEMORANDUM

To: Derek Belka, Molzen-Corbin
From: Rebekah Klein, Finance and Administrative Services Director
Date: December 18, 2019
Subject: Transfer Station Reserve

The purpose of this memorandum is to describe the procedures adopted by Village of Los Lunas (the "Village") related to the Transfer Station Reserve.

Village Council adopted Resolution 19-20, a Resolution Establishing a Reserve Fund and Related Liability Account in the Transfer Station Assurance Fund to Provide Funds for Future Closure Costs at the Village of Los Lunas Transfer Station on August 22, 2019. The total Transfer Station closure is estimated to be $51,554.94.

The Village has scheduled the following five transfers into the Solid Waste committed fund balance:

August 22, 2019	$	12,902.80
July 1, 2020		10,322.24
July 1, 2021		10,322.24
July 1, 2022		10,322.24
July 1, 2023		7,685.42
Total	**$**	**51,554.94**

The Village defines committed fund balance as fund balance amounts that are constrained for specific purposes that are internally improvised by the government through formal action of the highest level of decision-making authority (Village Council) and does not lapse at year-end.

Thank you,

RKlein

Rebekah Klein
Finance and Administrative Services Director
Village of Los Lunas
(505) 352-7651

Report Criteria:
- Actual Amounts
- All Accounts
- Summarize Payroll Detail
- Print Period Totals
- Print Grand Totals
- Include Funds: 43
- Page and Total by Fund
- Include Accountss: 0200
- Include Revenues: None
- Include Objects: None
- All Segments Tested for Total Breaks

Date	Journal	Reference Number	Payee or Description	Account Number	Debit Amount	Credit Amount	Balance
COMMITTED FUND BALANCE			07/01/2019 (00/19) Balance	43-200-0200			.00
08/22/2019	JE	13 Record	Committed Fund Balance for Transfer S			12,902.80-	
			08/31/2019 (08/19) Period Totals and Balance		.00 *	12,902.80- *	12,902.80-
			12/31/2019 (12/19) Period Totals and Balance		.00 *	.00 *	12,902.80-

Number of Transactions: 1 Number of Accounts: 1	Debit	Credit	Proof
Total SOLID WASTE FUND (43):	.00	12,902.80-	12,902.80-
Number of Transactions: 1 Number of Accounts: 1	Debit	Credit	Proof
Grand Totals:	.00	12,902.80-	12,902.80-

APPENDIX C
2018 CLOSURE COST ESTIMATE

Transfer Station
Financial Assurance Closure Cost Estimate Form
For 2018 - Submit by February 14, 2019

Facility Name:	Los Lunas Transfer Station	Permit No.	SWM-320606	
Facility Owner:	Village of Los Lunas	Phone/Cell No.	**505**	839-5658
Estimate Prepared by:	Marcus Montoya	Phone/Cell No.	**505**	839-5658
Email:	montoyam@loslunasnm.gov	Date Prepared	**2/6/2018**	
Facility Address:	7480 Mian st Los Lunas NM,87031	**Financial Assurance Mechanism Used:**		
		optained all numbers from past records		

Please note estimates must be developed as a Worst -Case Cost Scenarios

Cost Estimate By Task		Task
1) Total Waste Removal Costs	$24,960.00	(Includes stockpiles, and site clean-up (specify loading /hauling rate $/mile round tip cost) (Number of tons, estimated No. of trips $/ton for tipping fees)
2) Removal of Recyclables/ scrap metal	$2,287.00	Includes recyclables, brush and tree waste, wood chips or other materials. (Costs for removal, hauling, or delivery to appropriate locations or recyling facility) **Taken to different departments within the Village of Los Lunas!**
3) Removal of old equipment/ vehicles	$.03 a pound	Removal and deliver trucks, roll-off boxes and other scrap materials. (Obtain estimates for delivery to scrap dealer, note any payments for scrap to offset these costs) all scrap metal taken to Acme metals in Bosque Farms! Depending on accumlution of metal wil determin outcome of cost
4) Removal of Scales	$ n/a	Sell scales if possible, and if not, take to scrap dealer. (Note estimate $ amount)
5) Building clean-up	$ n/a	Obtain services for professional clean-up of building.
6) 3rd party overseer costs	$ 25,000 MIN	Cost of obtaining and using a qualified 3rd party to oversee site closure and provide closure certification documentation.
7)Consumer Price Index %	$25,777.47	Annual Consumer Price Index Percentage from US Bureau of Labor Statistics currently 3% apply to total and this cost.
Total Estimated Cost	**$51,554.94**	

Edit these Notes and Assumptions to explain how estimate costs were obtained. Address each below, add others as necessary

1. Clean -up costs include labor, equipment to clean-up facility, site and washdown facility **in-house.(power washer 4 labors) lift truck! 13,440 for a week! 67,200 amonth!**

2. Dollar amount obtained from quotes or estimates for tasks n/a

3.Cost estimate assumes on-site accumulation of ___**40**___ tons @ current rate tons received/per/day, and average operational weekly capacity **40 tons a day and 200 tons a week**

4. Waste and reiduals will be loaded into what size bins __4yd___or tractor trailers_48ft___

5. Provide Name of landfill that wastes will be disposed of. Roundtrip distance, provide estimated cost/per mile, and tipping fee cost at this LF- --**Sandoval County landfill (22.46) tf, 100 miles, 1.5 a mile-$65 round trip (driver)**

6. Provide facility name where remaining recyclables or scrap metal will be delivered. Provide costs for transport, and any fees. **Town reycling(albuquerque nm) & Acme metals(Bosque farms) cost for transport of metal $21.00**

7. Provide name, address and qualifications of the 3rd party overseer and hourly cost for services. **Molzen Corbin- 2701 miles rd,Albuquerque NM 87106**

***All monies brought in from Solid waste will be returned to the Village of Los Lunas collfers**

Contact Auralie Ashley-Marx(505-827-2775, auralie.ashley-marx@state.nm.us) for help with this form. FA, TS 1/14/2019

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 16
FEMA FIRM

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

National Flood Hazard Layer FIRMette

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth
	Regulatory Floodway *Zone AE, AO, AH, VE, AR*
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
	Area with Flood Risk due to Levee *Zone D*
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard *Zone X*
	Effective LOMRs
	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped

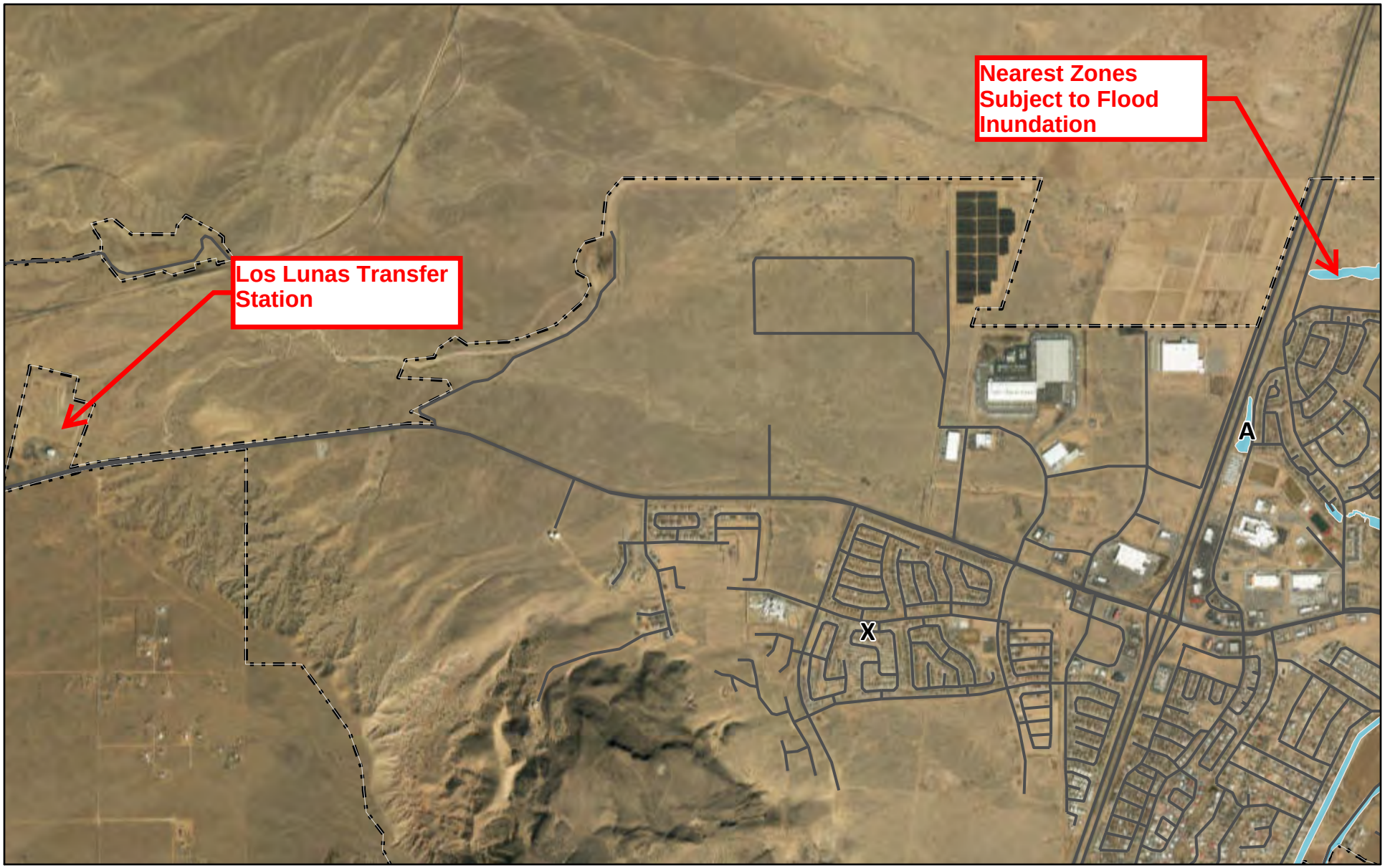
N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/15/2018 at 11:47:02 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FEMA Flood Zones



June 25, 2018

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 17
NOTICE OF APPLICATION

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOL. 2: EXHIBIT NO. 17
NOTICE OF APPLICATION

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1.1 Newspaper Bulletin Posting 1-1

1.2 Certified Mail Notifications 1-1

1.3 Public Postings 1-2

APPENDICES

Appendix A: Public Notice of Filing of Application .....

Appendix B: Certified Mail Receipts and Property Owners Map .....

Appendix C: Affidavits of Publication in Valencia County Newspaper .....

Appendix D: Certificate of Public Postings and Other Media Posting.....

Appendix E: Proof of American Translators Association .....

1.0 GENERAL INFORMATION

1.1 Newspaper Bulletin Posting

On December 13, 2018 and February 7, 2020 notifications were published in the Valencia County News Bulletin notifying the public of the Village's application for the renewal of the VLLTS permit. This notification was posted in English and Spanish. Translation was conducted by a translator certified by the American Translators Association. Affidavits of publication in English and Spanish are provided in Appendix C of this exhibit as well as proof of translation by an American Translators Association translator, which is located in Appendix E.

1.2 Certified Mail Notifications

Certified Mail notifications were sent to several parties in accordance to 20.9.3.8 (G)(1-3). The following lists all parties requiring notification and the date that they received notification:

- All property owners within one hundred (100) feet of the facility:
  - Huning Land Trust January 4, 2019
  - State of New Mexico Department of Transportation January 4, 2019
- All municipalities, counties, tribes/pueblos with boundaries within ten (10) miles of the property:
  - Valencia County – January 7, 2019
  - Bernalillo County – January 3, 2019
  - Isleta Pueblo – January 4, 2019
  - Laguna Pueblo – January 4, 2019
  - Town of Peralta – January 2, 2019
  - Village of Bosque Farms – January 4, 2019
  - City of Belen – January 2, 2019
- There are no other interested parties of record requiring notification.

1.3 Public Postings

Public notifications must be posted in eight (8) accessible and conspicuous places, including the entrance to the property:

1. Transfer Station
2. Village Hall
3. Library
4. Fred Luna Multigenerational Center
5. Daniel Fernandez Memorial Park
6. Rail Runner Station (In the office of the Community Services Department.)
7. Los Lunas Public Schools Administration Building
8. Walmart

A signed and notarized Certificate of Posting identifying the locations where the notice was posted and date of posting will be provided after 12 months of the initial posting of public notification.

APPENDIX A

PUBLIC NOTICE OF FILING OF APPLICATION

POSTED: December 13, 2018

PUBLIC NOTICE OF FILING OF APPLICATION BY THE VILLAGE OF LOS LUNAS, NEW MEXICO FOR A MUNICIPAL SOLID WASTE TRANSFER STATION PERMIT RENEWAL AND MODIFICATION AT THE VILLAGE OF LUNAS TRANSFER STATION FACILITY

Pursuant to Section 22 of the New Mexico Solid Waste Act (NMSA 1978, Section 74-9-22), and Subsection G of 20.9.3.8 NMAC (the Rules), notice is hereby given to the public and other potentially affected individuals and entities that the Village of Los Lunas Solid Waste Division (SWD) has filed an application with the Solid Waste Bureau of the New Mexico Environment Department (NMED) to renew and modify the solid waste facility permit (the Permit) for the Village of Los Lunas Transfer Station (VLLTS). The Application documents will be available for review at the Applicant's address as listed in Section 1 and at the New Mexico Environment Department's address as listed in Section 4 of this Notice. Pertinent information required by the Act and the Rules is as follows:

1. Name, Address and Phone Number of Applicant and Contact Person.

Applicant/Owner of the VLLTS
Village of Los Lunas Solid Waste Division
7480 Main St NW
Los Lunas, NM 87031
(505) 839-5658

Contact Person for the VLLTS:
Marcus Montoya, Solid Waste Superintendent
Village of Los Lunas Solid Waste Division
(505) 839-5658

2. Anticipated Start-Up Date of Facility and Hours of Operation
The VLLTS is an existing solid waste facility operating under a 20-year Permit (No. SWM-320606) issued by the NMED on November 17, 1999.

Start Up Date: The VLLTS started operating on November 18, 1999.
Hours of Operation: Monday – Friday: 7:00 a.m. – 4:00 pm (Closed daily from 12:00 noon to 1:00 pm). Holiday Closures: New Year's Day, Martin Luther King Jr. Day, Good Friday, Memorial Day, 4th of July, Labor Day, Columbus/Indigenous Peoples Day, Veterans Day Thanksgiving Day and the day following Thanksgiving, and Christmas Eve and Christmas Day.

3. Description of the Facility

a) **General Process:** The VLLTS currently collects residential solid waste, recyclables, green waste, white goods, E-waste, tires, and glass. Solid waste is then transported to the Valencia Regional Landfill or Sandoval County Landfill for disposal, or to other recycling facilities. This permit modification and renewal will allow the Village to process green waste on site in a composting process and expand the operating parameters for other solid waste handling at the site. Household hazardous waste, scrap metal, E-waste, tires, and white goods are accepted at the VLLTS and sent off site for treatment and/or disposal at other permitted facilities. All of the waste originates from within the Village of Los Lunas community. No commercial waste is accepted. The VLLTS will continue to operate under its existing permit until the NMED Secretary decides whether to issue, issue with conditions, or to deny the permit for renewal.
b) **Location:** The Transfer Station is located on New Mexico Highway 6 approximately 4.0 miles west of its intersection with Interstate 25 in Los Lunas, New Mexico.
c) **Size:** The VLLTS occupies 32.6 acres and the property is not expanding with this permit modification and renewal.
d) **Quantities and Rate of Solid Waste:** The VLLTS currently processes and transports approximately 31 tons of solid waste per day (annual average).
e) **Description of Proposed Modification:** The SWD is seeking to modify the solid waste facility permit to include a future green waste composting operation.

4. Comments:

Questions or comments regarding the Application should be directed to the Applicant at the address provided in Section 1 of this Notice and to:
George Schuman, Permit Section Manager, Solid Waste Bureau
New Mexico Environment Department
1190 St. Francis Drive, P.O. Box 5469
Santa Fe, New Mexico 87502-5469
Telephone (505) 827- 2328

PUBLICADO: 13 de diciembre de 2018

AVISO PÚBLICO DE PRESENTACIÓN DE SOLICITUD POR EL PUEBLO DE LOS LUNAS, NUEVO MÉXICO, PARA UNA ESTACIÓN MUNICIPAL DE TRANSFERENCIA DE DESECHOS SÓLIDOS QUE PERMITE LA RENOVACIÓN Y MODIFICACIÓN DE LA INSTALACIÓN DE LA ESTACIÓN DE TRANSFERENCIA DEL PUEBLO DE LOS LUNAS

De conformidad con la Sección 22 de la Ley de Desechos Sólidos de Nuevo México (NMSA [siglas en inglés] 1978, Sección 74-9-22), y la Subsección G de 20.9.3.8 NMAC (las Regulaciones), por la presente se notifica al público y a otras personas y entidades potencialmente afectadas que la División de Desechos Sólidos (SWD [siglas en inglés]) de la Villa de Los Lunas ha presentado una solicitud ante la Oficina de Desechos Sólidos del Departamento de Medio Ambiente de Nuevo México (NMED [siglas en inglés]) para renovar y modificar el permiso de la instalación de desechos sólidos (el Permiso) para la Estación de Transferencia del Pueblo de Los Lunas (VLLTS [siglas en inglés]). Los documentos de la solicitud estarán disponibles para su revisión en la dirección del solicitante que figura en la Sección 1 y en la dirección del Departamento de Medio Ambiente de Nuevo México que figura en la Sección 4 de este Aviso. La información pertinente requerida por la Ley y el Reglamento es la siguiente:

1. Nombre, Dirección y Número de Teléfono del Solicitante y de la Persona de Contacto.

Solicitante/Propietario de la VLLTS
División de Desechos Sólidos de la Villa de Los Lunas
7480 Main St NW
Los Lunas, NM 87031
(505) 839-5658

Persona de contacto para la VLLTS:
Marcus Montoya, Superintendente de Residuos Sólidos
División de Desechos Sólidos de la Villa de Los Lunas
(505) 839-5658

2. Fecha Prevista de la Puesta en Marcha de la Instalación y Horas de Operación

El VLLTS es una instalación de residuos sólidos existente que opera bajo un permiso de 20 años (No. SWM-320606) emitido por el NMED el 17 de noviembre de 1999.

Fecha de Inicio: El VLLTS comenzó a operar el 18 de noviembre de 1999.

Horario de atención: Lunes a viernes: 7:00 a.m. - 4:00 p.m. (Cerrado diariamente de 12:00 del mediodía a 1:00 p.m.). Cierre en días festivos: Día de Año Nuevo, Día de Martin Luther King Jr., Viernes Santo, Día de los Caídos, 4 de julio, Día del Trabajo, Día de los Pueblos Indígenas, Día de los Veteranos, Día de Acción de Gracias y el día siguiente al Día de Acción de Gracias, y Nochebuena y Navidad.

3. Descripción de la Instalación

a**) Proceso general**: La VLLTS actualmente recoge residuos sólidos residenciales, reciclables, residuos verdes, electrodomésticos, residuos electrónicos, neumáticos y vidrio. Los residuos sólidos se transportan al vertedero regional Valencia o al vertedero del Condado de Sandoval para su eliminación, o a otras instalaciones de reciclaje. Esta modificación y renovación del permiso permitirá a la Villa procesar residuos verdes en el sitio en un proceso de compostaje y expandir los parámetros de operación para el manejo de otros residuos sólidos en el sitio. Los residuos domésticos peligrosos, chatarra metálica, desechos electrónicos, llantas y electrodomésticos son aceptados en la VLLTS y enviados fuera del sitio para su tratamiento y/o eliminación en otras instalaciones permitidas. Todos los residuos provienen de la comunidad de Los Lunas. No se aceptan residuos comerciales. La VLLTS continuará operando bajo su permiso existente hasta que el Secretario del NMED decida si expide, expide con condiciones o deniega el permiso para la renovación.

b) **Ubicación**: La Estación de Transferencia está ubicada en la Carretera 6 de Nuevo México aproximadamente a 4.0 millas al oeste de su intersección con la Interestatal 25 en Los Lunas, Nuevo México.

c) **Tamaño**: La VLLTS ocupa 32.6 acres y la propiedad no se está expandiendo con esta modificación y renovación de permisos.

d) **Cantidades y Tasa de Residuos Sólidos**: La VLLTS actualmente procesa y transporta aproximadamente 31 toneladas de residuos sólidos por día (promedio anual).

e) **Descripción de la modificación propuesta**: La SWD está tratando de modificar el permiso de la instalación de residuos sólidos para incluir una futura operación de compostaje de residuos verdes.

4. Comentarios:

Las preguntas o comentarios sobre la Solicitud deben dirigirse al Solicitante a la dirección indicada en la Sección 1 de este Aviso y a:

George Schuman, Gerente de la Sección de Permisos, Oficina de Residuos Sólidos
Departamento de Medio Ambiente de Nuevo México
1190 St. Francis Drive, P.O. Box 5469
Santa Fe, Nuevo México 87502-5469
Teléfono (505) 827- 2328

CERTIFICATE OF ACCURACY

STATE OF NEW MEXICO
COUNTY OF BERNALILLO } ss

AMADO MANUEL GONZALEZ CASTANO, being duly sworn, deposes and says:

1. I translated the English document headed "PUBLIC NOTICE OF FILING OF APPLICATION BY THE VILLAGE OF LOS LUNAS, NEW MEXICO" into the Spanish, which is attached hereto.
2. To the best of my knowledge, ability and belief, the said translation is a true, accurate and complete translation of the original source language document into the target language.
3. I am fluent in both languages. I have been a professional translator for 25 years, and I have been certified. I maintain my certification in full force and effect.

NOTE: The translator declines all responsibility for changes made in the translation by any other person.

Signature : _____

Amado Manuel Gonzalez Castano
Date: **November 30th, 2018**

CERTIFIED TRANSLATOR
ATA Member Id: 260276
REGIST. 65 No. 1932
REGIST. 51 No. 1455
1902 Avondale Pl. NW
Albuquerque, New Mexico 87120
English <> Spanish

This certifies that

Amado M. Gonzalez Castano

is a member in good standing of the
New Mexico Translators and Interpreters Association
for one year commencing 1/20/2018

President Vice President

ALL PURPOSE ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO } ss

SUBSCRIBED AND SWORN TO, BEFORE ME by **AMADO MANUEL GONZALEZ CASTANO,**

WITNESS my hand and official seal on this the 30th day of **November 2018**

NOTARY PUBLIC

OFFICIAL SEAL
ANDREW N MENDEZ
Notary Public
State of New Mexico
My Comm. Expires 2021

Place Notary Public Seal and/or Any Stamp above

APPENDIX B
CERTIFIED MAIL RECEIPTS
AND PROPERTY OWNERS MAP

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Solid Waste Bureau
ATTN George Schuman
P.O. Box 8469
Santa Fe, NM 87502

9590 9402 4229 8121 8202 85

2. Article Number (Transfer from service label)

7017 3380 0001 0250 3402

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

11/21/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Pueblo of Isleta
P.O. Box 1270
Isleta, NM 87022

9590 9402 3442 7275 0711 56

2. Article Number (Transfer from service label)

7013 3020 0000 0409 7509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

Adriana Abeyta | 1-4-19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JAN 04 2019 ISLETA NEW MEXICO

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Village of Bosque Farms
P.O. Box 640
Peralta, NM 87042

9590 9402 3442 7275 0711 49

2. Article Number (Transfer from service label)

7013 3020 0000 0409 7585

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

Cheryl Abbott | 1-4-19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

7013 3020 0000 0409 7509

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OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

LOS LUNAS NM 87031
JAN 02 2019
USPS

Sent To: Pueblo Isleta
Street, Apt. No.; or PO Box No.: P.O. Box 1270
City, State, ZIP+4: Isleta, NM 87022

PS Form 3800, August 2006 — See Reverse for Instructions

7013 3020 0000 0409 7585

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Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

LOS LUNAS NM 87031
JAN 02 2019
USPS

Sent To: Village of Los Lunas Trustees
Street, Apt. No.; or PO Box No.: PO Box 1209
City, State, ZIP+4: Los Lunas, NM 87031-1209

PS Form 3800, August 2006 — See Reverse for Instructions

LOS LUNAS
100 CARSON DR SE
LOS LUNAS
NM
87031-9998
3451660031

11/19/2018 (800)275-8777 2:57 PM

Product Description	Sale Qty	Final Price
PM 2-Day (Domestic) (SANTA FE, NM 87502) (Weight:0 Lb 15.30 Oz) (Expected Delivery Date) (Wednesday 11/21/2018)	1	$6.70
Certified (@@USPS Certified Mail #) (70173380000102503402)	1	$3.45
Return Receipt (@@USPS Return Receipt #) (9590940242298121820285)	1	$2.75
Affixed Postage (Affixed Amount:$12.90)	1	($12.90)
Total		$0.00

Includes up to $50 insurance

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

Save this receipt as evidence of insurance. For information on filing an insurance claim go to https://www.usps.com/help/claims.htm

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Refunds for guaranteed services only
Thank you for your business

HELP US SERVE YOU BETTER

TELL US ABOUT YOUR RECENT POSTAL EXPERIENCE

Go to:
https://postalexperience.com/P...

7017 3380 0001 0250 3402

U.S. Postal Service

CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

SANTA FE, NM 87502

Certified Mail Fee	$3.45
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$0.00
Postage	$6.70
Total Postage and Fees	$12.90

Postmark Here

11/19/2018

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bernalillo County
1 Civic Plaza #10
Albuquerque, NM 87102

9590 9402 3442 7275 0711 63

2. Article Number *(Transfer from service label)*

7013 3020 0000 0409 7561

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Paola Ogaz ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Paola Ogaz C. Date of Delivery 11/3/19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Restricted Delivery (over $500)

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

City of Belen
100 S. Main St.
Belen, NM 87002

9590 9402 3442 7275 0709 44

2. Article Number *(Transfer from service label)*

7013 3020 0000 0409 7592

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Daniel Cordova ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

ail Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Town of Peralta
90-A Molina Rd.
Peralta, NM 87042

9590 9402 3442 7275 0711 70

2. Article Number *(Transfer from service label)*

7013 3020 0000 0409 7578

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

ail Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

7013 3020 0000 0409 7561

CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com®

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

LOS LUNAS, NM 87031
Postmark Here
JAN 02 2019
USPS

Sent To: Bernalillo County
Street, Apt. No.; or PO Box No.: One Civic Plaza NW
City, State, ZIP+4: Albuquerque, NM 87102

PS Form 3800, August 2006 — See Reverse for Instructions

7013 3020 0000 0409 7592

U.S. Postal Service™
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Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

LOS LUNAS, NM 87031
Postmark Here
JAN 02 2019
USPS

Sent To: Lisa E. Bell
Street, Apt. No.; or PO Box No.: 162 S. Main St.
City, State, ZIP+4: Bell, NM 87017

PS Form 3800, August 2006 — See Reverse for Instructions

7013 3020 0000 0409 7578

U.S. Postal Service™
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For delivery information visit our website at www.usps.com®

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

LOS LUNAS, NM 87031
Postmark Here
JAN 02 2019
USPS

Sent To: Town of Peralta
Street, Apt. No.; or PO Box No.: 90-A Medina Rd.
City, State, ZIP+4: Peralta, NM 87042

PS Form 3800, August 2006 — See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CARMEN TAFOYA
551 LUNA AV SE
LOS LUNAS, NM 87031

9590 9402 2595 6336 9007 36

2. Article Number *(Transfer from service label)*

7016 3560 0000 2158 3061

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Joseph Chavez ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Joseph Chavez C. Date of Delivery 1/4/19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail
- ☐ Mail Restricted Delivery (0)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Valencia County
P.O. Box 1119
Los Lunas, NM 87031

9590 9402 3442 7275 0712 17

2. Article Number *(Transfer from service label)*

7013 3020 0000 0409 7493

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☑ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 1-7-19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JAN 07 2019

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail
- ☐ Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Laguna Pueblo
P.O. Box 194
Laguna NM 87026

9590 9402 3442 7275 0711 87

2. Article Number

7013 3020 0000 0409 7554

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Terri R. Tom C. Date of Delivery 1/4/19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☑ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

7013 3020 0000 0409 7493

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

LOS LUNAS NM 87031
Postmark Here
JAN 02 2019

Sent To
Street, Apt. No.; or PO Box No. P.O. Box 1119
City, State, ZIP+4 Los Lunas NM 87031

USPS

PS Form 3800, August 2006 See Reverse for Instructions

7013 3020 0000 0409 7554

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

LOS LUNAS NM 87031
Postmark Here
JAN 02 2019

Sent To
Street, Apt. No.; or PO Box No. P.O. Box 1414
City, State, ZIP+4 Isleta NM 87026

USPS

PS Form 3800, August 2006 See Reverse for Instructions

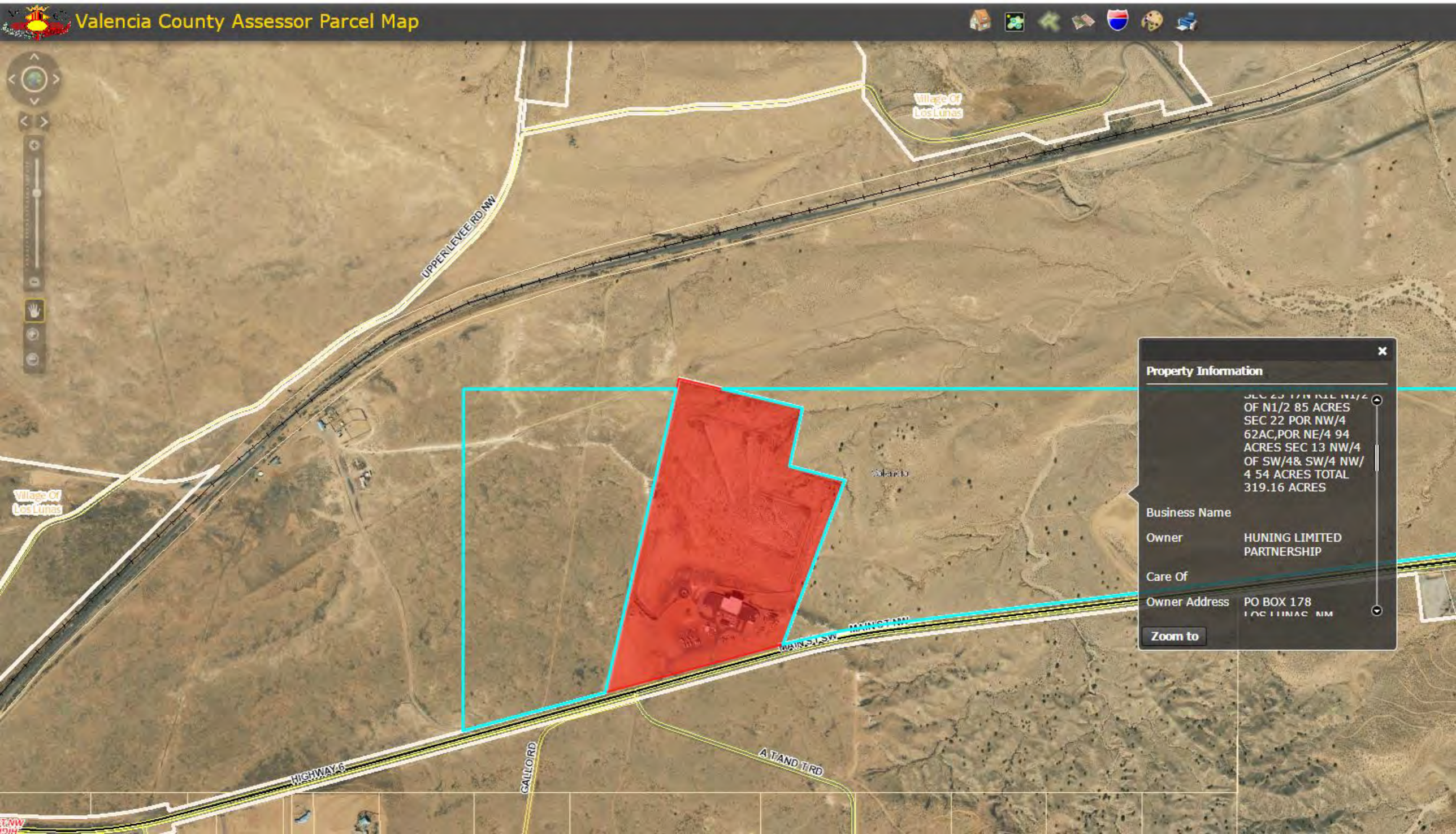
LAST MODIFIED: Nov 07, 2019 - 9:42am BY USER: mtenorio
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\DWG\
DWG. NAME: Ex17 AppB.HuningProp.dwg

TRANSFER STATION PERMIT RENEWAL - VILLAGE OF LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT 17 APPENDIX B
LAND OWNERS WITHIN 100' OF VLLTS

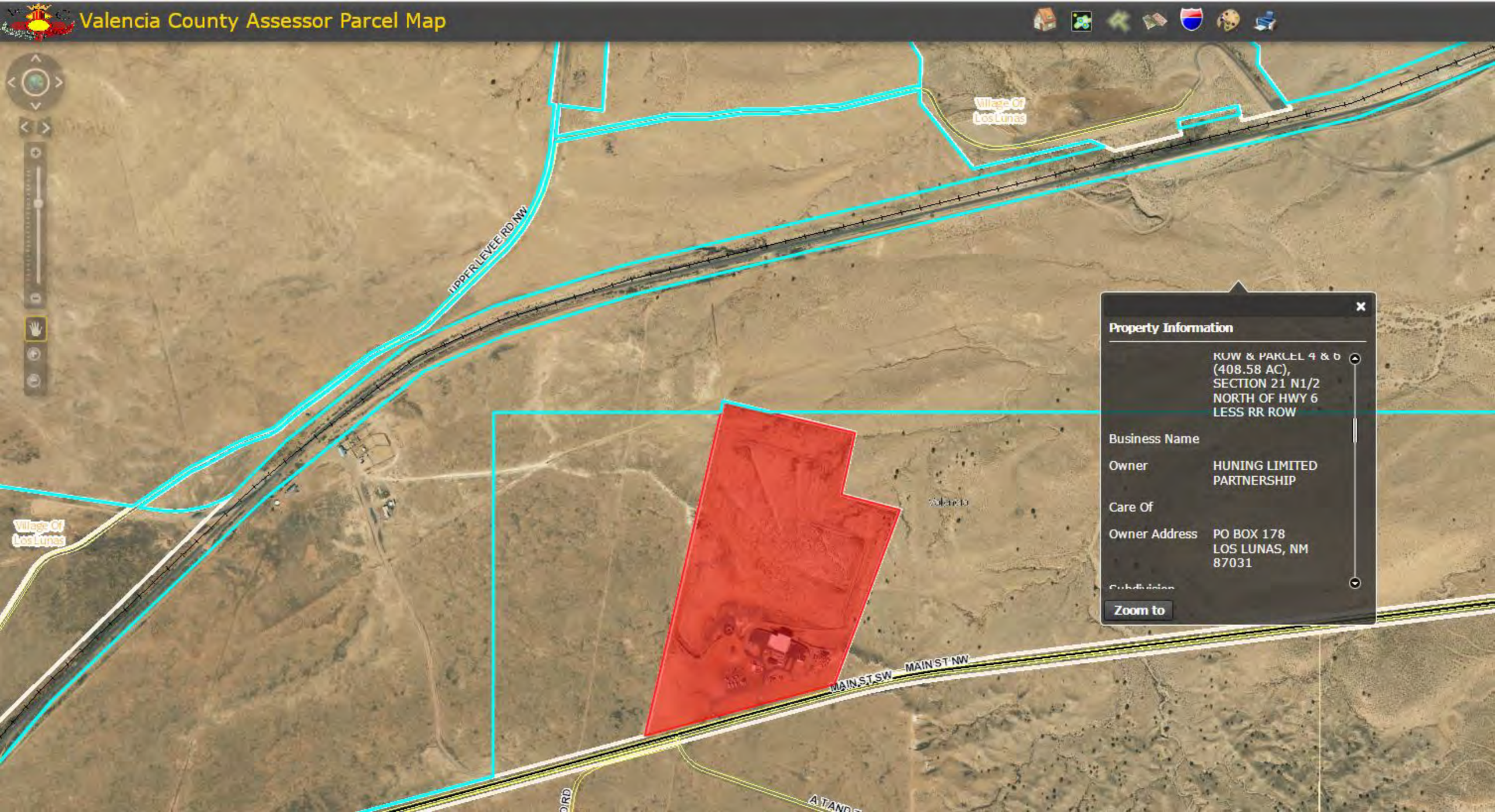
Valencia County Assessor Parcel Map



Property Information

	SEC 23 T7N R2E N1/2 OF N1/2 85 ACRES SEC 22 POR NW/4 62AC,POR NE/4 94 ACRES SEC 13 NW/4 OF SW/4& SW/4 NW/ 4 54 ACRES TOTAL 319.16 ACRES
Business Name	
Owner	HUNING LIMITED PARTNERSHIP
Care Of	
Owner Address	PO BOX 178 LOS LUNAS, NM

Zoom to


Valencia County Assessor Parcel Map
Village Of Los Lunas
UPPER LEVEE RD NW
Village Of Los Lunas
MAIN ST SW
MAIN ST NW
Property Information
ROW & PARCEL 4 & 6 (408.58 AC), SECTION 21 N1/2 NORTH OF HWY 6 LESS RR ROW
Business Name
Owner
HUNING LIMITED PARTNERSHIP
Care Of
Owner Address
PO BOX 178 LOS LUNAS, NM 87031
Zoom to

APPENDIX C
AFFIDAVITS OF PUBLICATION
IN VALENCIA NEWSPAPER

PUBLIC NOTICE OF FILING OF APPLICATION BY THE VILLAGE OF LOS LUNAS, NEW MEXICO FOR A MUNICIPAL SOLID WASTE TRANSFER STATION PERMIT RENEWAL AND MODIFICATION AT THE VILLAGE OF LUNAS TRANSFER STATION FACILITY

Pursuant to Section 22 of the New Mexico Solid Waste Act (NMSA 1978, Section 74-9-22), and Subsection G of 20.9.3.8 NMAC (the Rules), notice is hereby given to the public and other potentially affected individuals and entities that the Village of Los Lunas Solid Waste Division (SWD) has filed an application with the Solid Waste Bureau of the New Mexico Environment Department (NMED) to renew and modify the solid waste facility permit (the Permit) for the Village of Los Lunas Transfer Station (VLLTS). The Application documents will be available for review at the Applicant's address as listed in Section 1 and at the New Mexico Environment Department's address as listed in Section 4 of this Notice. Pertinent information required by the Act and the Rules is as follows:

1. Name, Address and Phone Number of Applicant and Contact Person.

Applicant/Owner of the VLLTS
Village of Los Lunas Solid Waste Division
7480 Main St NW
Los Lunas, NM 87031
(505) 839-5658

Contact Person for the VLLTS:
Marcus Montoya, Solid Waste Superintendent
Village of Los Lunas Solid Waste Division
(505) 839-5658

2. Anticipated Start-Up Date of Facility and Hours of Operation

The VLLTS is an existing solid waste facility operating under a 20-year Permit (No. SWM-320606) issued by the NMED on November 17, 1999.

Start Up Date: The VLLTS started operating on November 18, 1999.
Hours of Operation: Monday – Friday: 7:00 a.m. – 4:00 pm (Closed daily from 12:00 noon to 1:00 pm). Holiday Closures: New Year's Day, Martin Luther King Jr. Day, Good Friday, Memorial Day, 4th of July, Labor Day,Columbus/Indigenous Peoples Day, Veterans Day Thanksgiving Day and the day following Thanksgiving, and Christmas Eve and Christmas Day.

3. Description of the Facility

a) General Process: The VLLTS currently collects residential solid waste, recyclables, green waste, white goods, E-waste, tires, and glass. Solid waste is then transported to the Valencia Regional Landfill or Sandoval County Landfill for disposal, or to other recycling facilities. This permit modification and renewal will allow the Village to process green waste on site in a composting process and expand the operating parameters for other solid waste handling at the site. Household hazardous waste, scrap metal, E-waste, tires, and white goods are accepted at the VLLTS and sent off site for treatment and/or disposal at other permitted facilities. All of the waste originates from within the Village of Los Lunas community. No commercial waste is accepted. The VLLTS will continue to operate under its existing permit until the NMED Secretary decides whether to issue, issue with conditions, or to deny the permit for renewal.
b) Location: The Transfer Station is located on New Mexico Highway 6 approximately 4.0 miles west of its intersection with Interstate 25 in Los Lunas, New Mexico.
c) Size: The VLLTS occupies 32.6 acres and the property is not expanding with this permit modification and renewal.
d) Quantities and Rate of Solid Waste: The VLLTS currently processes and transports approximately 31 tons of solid waste per day (annual average).
e) Description of Proposed Modification: The SWD is seeking to modify the solid waste facility permit to include a future green waste composting operation.

4. Comments:

Questions or comments regarding the Application should be directed to the Applicant at the address provided in Section 1 of this Notice and to:
George Schuman, Permit Section Manager,
Solid Waste Bureau
New Mexico Environment Department 1190 St. Francis Drive, P.O. Box 5469 Santa Fe, New Mexico 87502-5469
Telephone (505) 827- 2328

Published in the Valencia

CO)

:SS

A)

AFFIDAVIT of PUBLICATION LL141-75

Clara Garcia, being first duly sworn, deposes and says that she is Editor/Publisher of the ***Valencia County New-Bulletin***, printed and published each week in the County of Valencia, State of New Mexico, and of general circulation in the city of Belen, County of Valencia, State of New Mexico and elsewhere, and the hereto attached

was printed and published correctly in the regular and entire issue of said **VALENCIA COUNTY NEWS-BULLETIN** for 1 issue(s), that the first was made on the 13 day of December 2018, and subsequent publications being: _____

_____

_____

Request of **VALENCIA COUNTY NEWS-BULLETIN**

By:

Affiant _____

Subscribed and sworn to me this 13 day of December, 2018

in the County of VALENCIA, State of New Mexico.

_____
Notary Public

Notary Public in and for the County of Valencia, State of New Mexico

My Commission Expires: 9-18-22

Seal

Official Seal
ADELAIDA BALDONADO
Notary Public
State of New Mexico
My Comm. Expires _____

Account Number: 1002618 Ad Number: 1431145

Price: $ 199.52 (Statement to come at end of month)

LLLL41-75

AFFIDAVIT of PUBLICATION

Clara Garcia, being first duly sworn, deposes and says that she is Editor/Publisher of the ***Valencia County New-Bulletin***, printed and published each week in the County of Valencia, State of New Mexico, and of general circulation in the city of Belen, County of Valencia, State of New Mexico and elsewhere, and the hereto attached

CO)

:SS

IA)

was printed and published correctly in the regular and entire issue of said **VALENCIA COUNTY NEWS-BULLETIN** for 1 issue(s), that the first was made on the 13 day of December 2018, and subsequent publications being: _____

_____

_____

Request of **VALENCIA COUNTY NEWS-BULLETIN**

By:

Affiant _____

Subscribed and sworn to me this 13 day of December, 2018

in the County of VALENCIA, State of New Mexico.

_____

Notary Public

Notary Public in and for the County of Valencia, State of New Mexico

My Commission Expires: 9-18-22

Seal

Official Seal
ADELAIDA BALDONADO
Notary Public
State of New Mexico
My Comm. Expires _____

Account Number: 1002618 Ad Number: 1431152

Price: $ 246.31 (Statement to come at end of month)

AVISO PÚBLICO DE PRESENTACIÓN DE SOLICITUD POR EL PUEBLO DE LOS LUNAS, NUEVO MÉXICO, PARA UNA ESTACIÓN MUNICIPAL DE TRANSFERENCIA DE DESECHOS SÓLIDOS QUE PERMITE LA RENOVACIÓN Y MODIFICACIÓN DE LA INSTALACIÓN DE LA ESTACIÓN DE TRANSFERENCIA DEL PUEBLO DE LOS LUNAS

De conformidad con la Sección 22 de la Ley de Desechos Sólidos de Nuevo México (NMSA [siglas en inglés] 1978, Sección 74-9-22), y la Subsección G de 20.9.3.8 NMAC (las Regulaciones), por la presente se notifica al público y a otras personas y entidades potencialmente afectadas que la División de Desechos Sólidos (SWD [siglas en inglés]) de la Villa de Los Lunas ha presentado una solicitud ante la Oficina de Desechos Sólidos del Departamento de Medio Ambiente de Nuevo México (NMED [siglas en inglés]) para renovar y modificar el permiso de la instalación de desechos sólidos (el Permiso) para la Estación de Transferencia del Pueblo de Los Lunas (VLLTS [siglas en inglés]). Los documentos de la solicitud estarán disponibles para su revisión en la dirección del solicitante en la dirección del solicitante que figura en la Sección 1 y en la dirección del Departamento de Medio Ambiente de Nuevo México que figura en la Sección 4 de este Aviso. La información pertinente requerida por la Ley y el Reglamento es la siguiente:

1. Nombre, Dirección y Número de Teléfono del Solicitante y de la Persona de Contacto.

Solicitante/Propietario de la VLLTS
División de Desechos Sólidos de la Villa de Los Lunas
7480 Main St NW
Los Lunas, NM 87031
(505) 839-5658

Persona de contacto para la VLLTS:
Marcus Montoya, Superintendente de Residuos Sólidos
División de Desechos Sólidos de la Villa de Los Lunas
(505) 839-5658

2. Fecha Prevista de la Puesta en Marcha de la Instalación y Horas de Operación

El VLLTS es una instalación de residuos sólidos existente que opera bajo un permiso de 20 años (No. SWM-320606) emitido por el NMED el 17 de noviembre de 1999.

Fecha de Inicio: El VLLTS comenzó a operar el 18 de noviembre de 1999.

Horario de atención: Lunes a viernes: 7:00 a.m. - 4:00 p.m. (Cerrado diariamente de 12:00 del mediodía a 1:00 p.m.). Cierre en días festivos: Día de Año Nuevo, Día de Martin Luther King Jr., Viernes Santo, Día de los Caídos, 4 de julio, Día del Trabajo, Día de los Pueblos Indígenas, Día de los Veteranos, Día de Acción de Gracias y el día siguiente al Día de Acción de Gracias, y Nochebuena y Navidad.

3. Descripción de la Instalación

a) Proceso general: La VLLTS actualmente recoge residuos sólidos residenciales, reciclables, residuos verdes, electrodomésticos, residuos electrónicos, neumáticos y vidrio. Los residuos sólidos se transportan al vertedero regional Valencia o al vertedero del Condado de Sandoval para su eliminación, o a otras instalaciones de reciclaje. Esta modificación y renovación del permiso permitirá a la Villa procesar residuos verdes en el sitio en un proceso de compostaje y expandir los parámetros de operación para el manejo de otros residuos sólidos en el sitio. Los residuos domésticos peligrosos, chatarra metálica, desechos electrónicos, llantas y electrodomésticos son aceptados en la VLLTS y enviados fuera del sitio para su tratamiento y/o eliminación en otras instalaciones permitidas. Todos los residuos provienen de la comunidad de Los Lunas. No se aceptan residuos comerciales. La VLLTS continuará operando bajo su permiso existente hasta que el Secretario del NMED decida si expide, expide con condiciones o deniega el permiso para la renovación.
b) Ubicación: La Estación de Transferencia está ubicada en la Carretera 6 de Nuevo México aproximadamente a 4.0 millas al oeste de su intersección con la Interestatal 25 en Los Lunas, Nuevo México.
c) Tamaño: La VLLTS ocupa 32.6 acres y la propiedad no

de la instalación de desechos sólidos (el Permiso) para la Estación de Transferencia del Pueblo de Los Lunas (VLLTS [siglas en inglés]). Los documentos de la solicitud estarán disponibles para su revisión en la dirección del solicitante que figura en la Sección 1 y en la dirección del Departamento de Medio Ambiente de Nuevo México que figura en la Sección 4 de este Aviso. La información pertinente requerida por la Ley y el Reglamento es la siguiente:

1. Nombre, Dirección y Número de Teléfono del Solicitante y de la Persona de Contacto.

Solicitante/Propietario de la VLLTS
División de Desechos Sólidos
de la Villa de Los Lunas
7480 Main St NW
Los Lunas, NM 87031
(505) 839-5658

Persona de contacto para la VLLTS:
Marcus Montoya, Superintendente de Residuos Sólidos
División de Desechos Sólidos
de la Villa de Los Lunas
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3. Descripción de la instalación

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b) Ubicación: La Estación de Transferencia está ubicada en la Carretera 6 de Nuevo México aproximadamente a 4. 0 millas al oeste de su intersección con la Interestatal 25 en Los Lunas, Nuevo México.
c) Tamaño: La VLLTS ocupa 32.6 acres y la propiedad no se está expandiendo con esta modificación y renovación de permisos.
d) Cantidades y Tasa de Residuos Sólidos: La VLLTS actualmente procesa y transporta aproximadamente 31 toneladas de residuos sólidos por día (promedio anual).
e) Descripción de la modificación propuesta: La SWD está tratando de modificar el permiso de la instalación de residuos sólidos para incluir una futura operación de compostaje de residuos verdes.

4. Comentarios:

Las preguntas o comentarios sobre la Solicitud deben dirigirse al Solicitante a la dirección indicada en la Sección 1 de este Aviso y a:
George Schuman, Gerente de la Sección de Permisos, Oficina de Residuos Sólidos
Departamento de Medio Ambiente de Nuevo México
1190 St. Francis Drive,
P.O. Box 5469 Santa Fe, Nuevo México 87502-5469
Teléfono (505) 827- 2328

Published in the Valencia County News-Bulletin
December 13, 2018.

Request of **VALENCIA COUNTY NEWS-BULLETIN**

By:

Affiant _____

Subscribed and sworn to me this 13 day of December, 2018

in the County of VALENCIA, State of New Mexico.

_____

Notary Public

Notary Public in and for the County of Valencia, State of New Mexico

My Commission Expires: 9-18-22

Seal

Official Seal
ADELAIDA BALDONADO
Notary Public
State of New Mexico
My Comm. Expires _____

Account Number: 1002618 Ad Number: 1431152

Price: $ 246.31 (Statement to come at end of month)

APPENDIX D

CERTIFICATE OF PUBLIC POSTINGS AND OTHER MEDIA POSTING

Public notifications posted in eight accessible conspicuous places.

Dates Checked on:

1.Transfer Station Office :

1/7/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

2. Village Hall Hall :

1/3/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

3. Library:

1/4/2019 2/15/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

4. Fred Luna Multigenerational Center:

1/4/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

5. Daniel Fernandez Memorial Park:

1/4/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

6. Rail Runner Station:

1/4/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

7. Los Lunas Public Schools Adminestration Building:

1/4/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

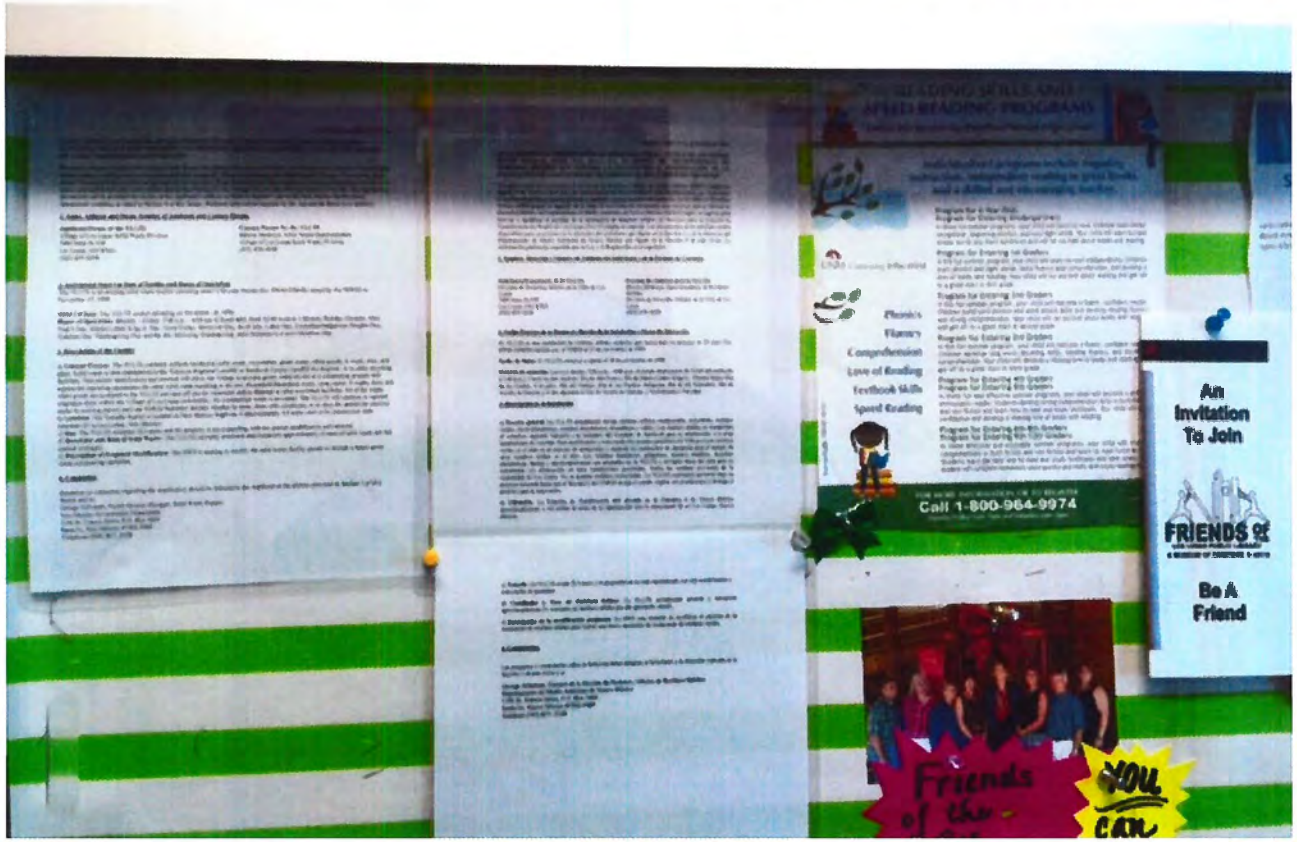
8. Valencia County Adminestration Building:

1/4/2019 2/25/2019 3/19/2019 4/4/2019 5/10/2019 6/21/2019

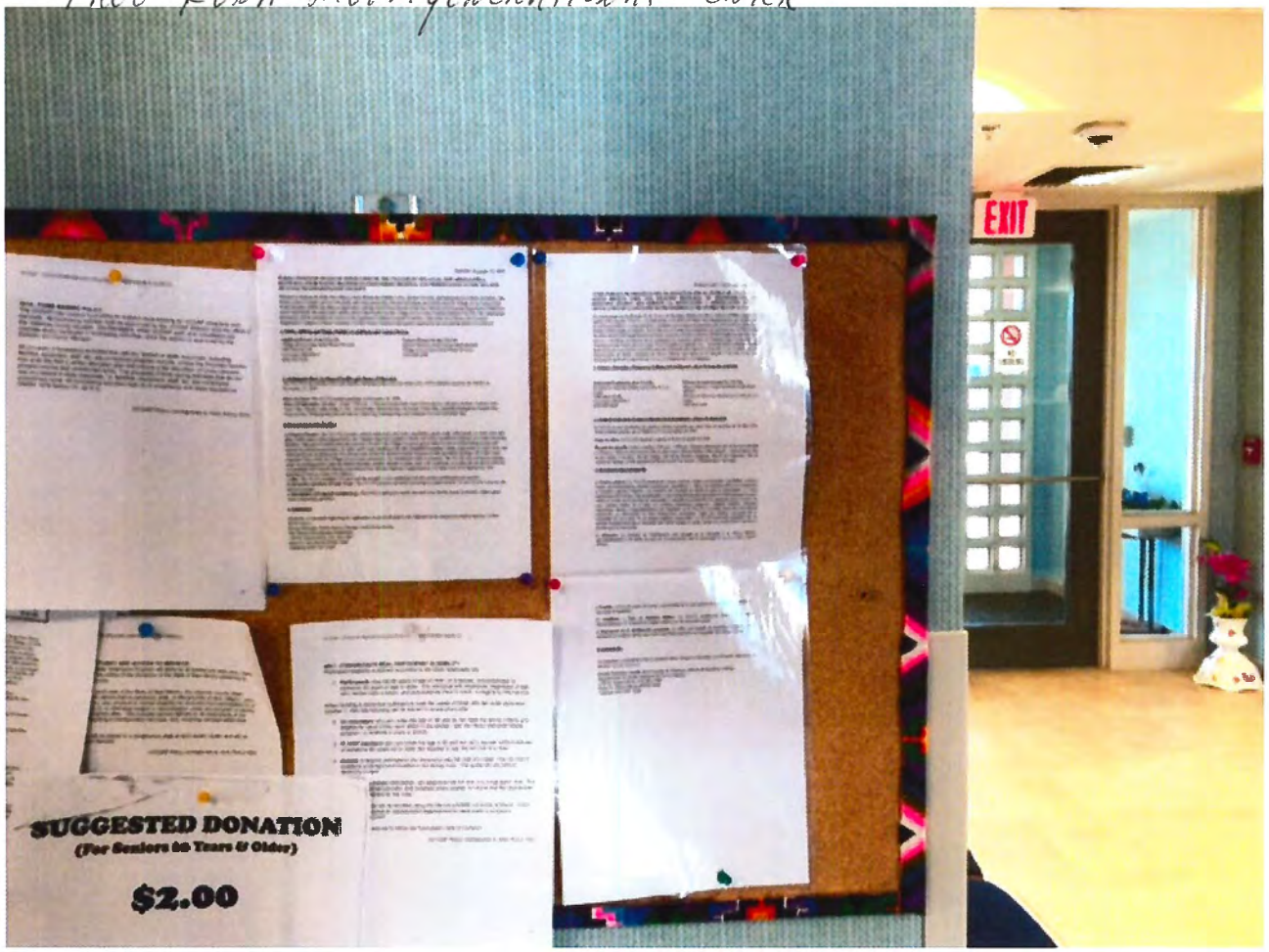
Village Hall

Library / Main Entrance

LOS LUNAS F

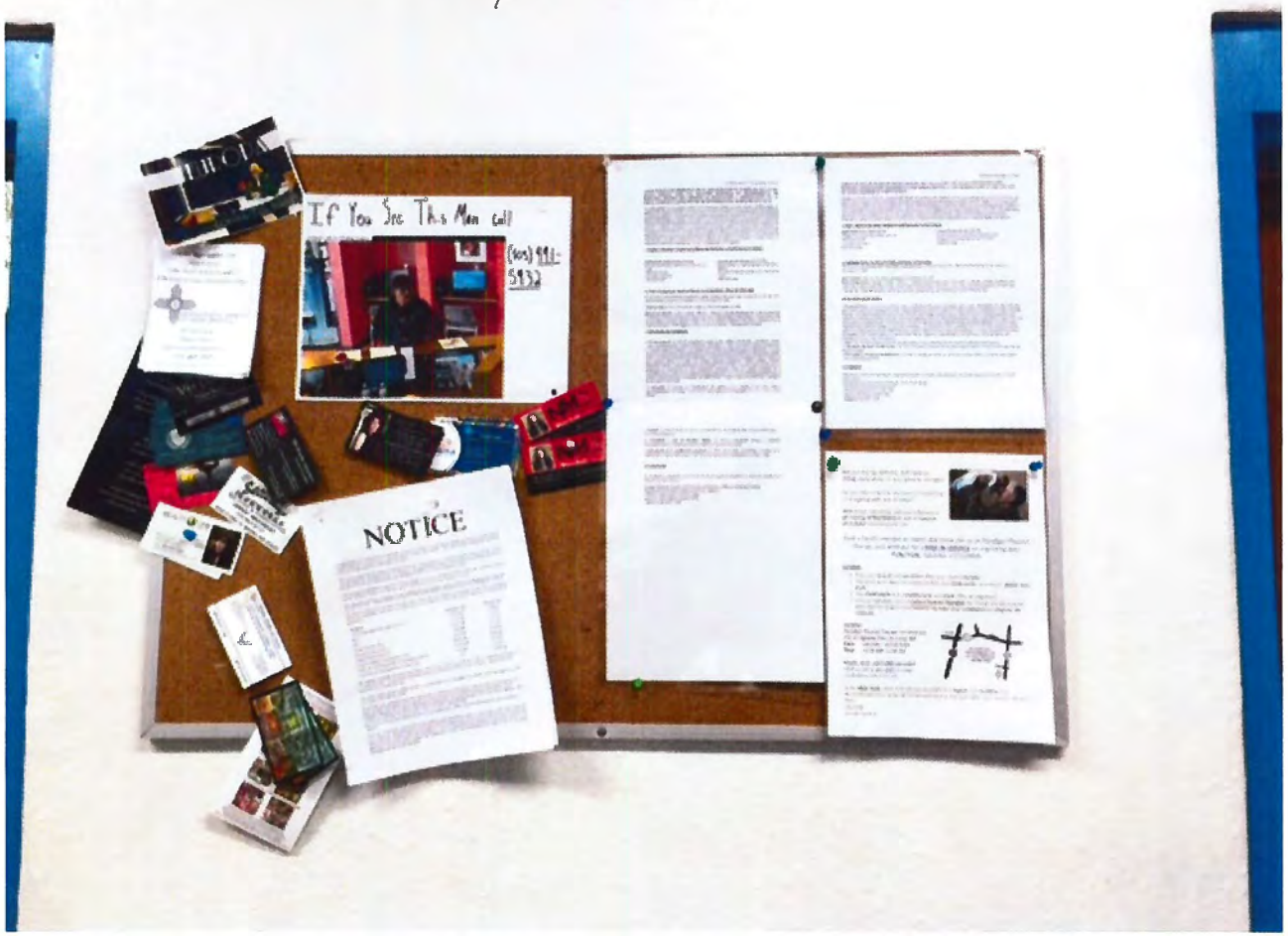


Fred Luna Multigenerational Center

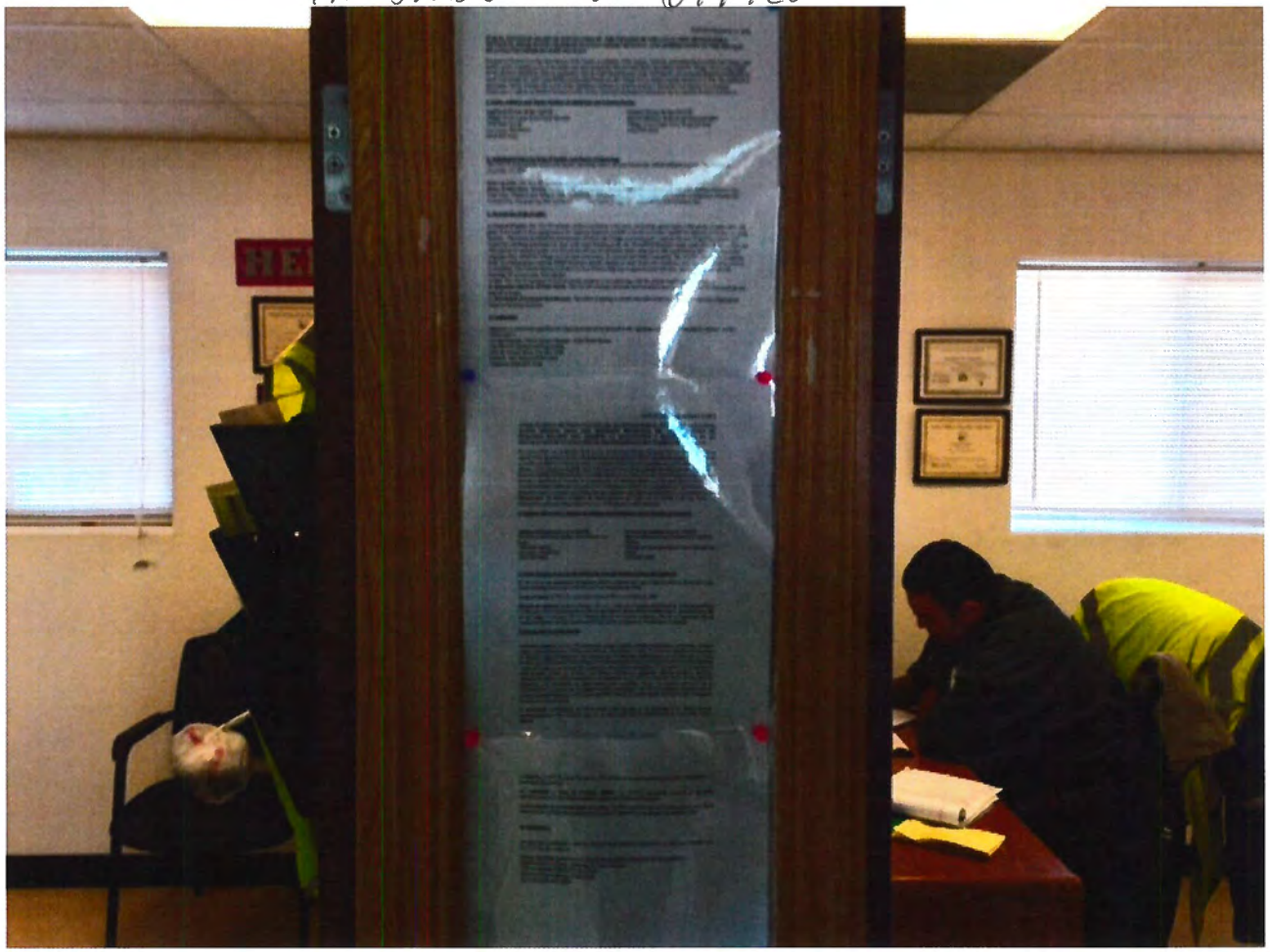


Daniel Fernandez Memorial Park

2/over water fountain



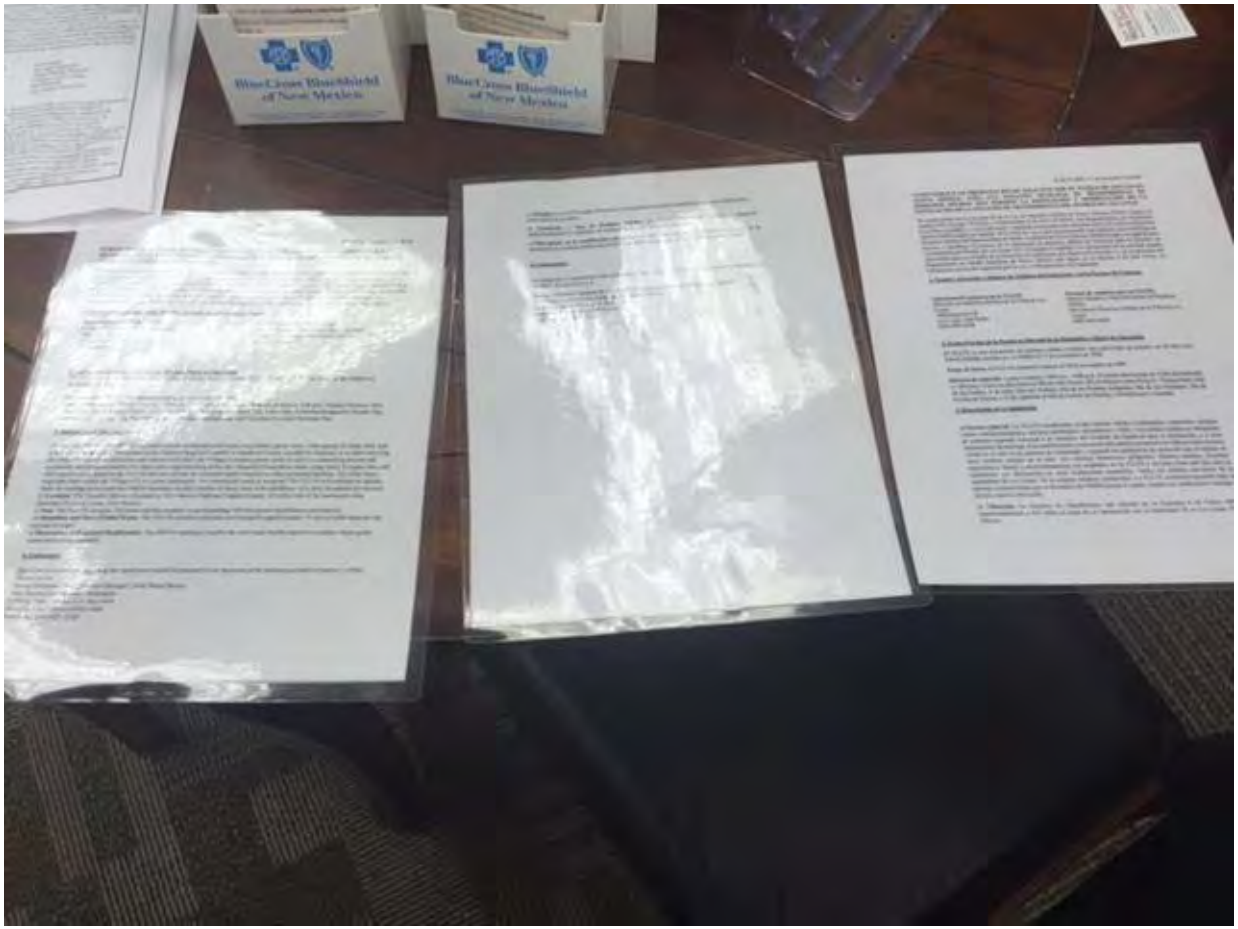
TRANSFER STATION OFFICE



Valencia County Admin. Bldg. / North Hallway

Los Lunas Public Schools Admin./Main Entrance

COMMUNITY SERVICES DEPARTMENT POSTING



Utility Rates

Holiday Trash Pickup Schedule 2019

Los Lunas Recycling Program

Los Lunas Transfer Station

Used Syringe Disposal

Roll-Off Services

Composting Study (PDF)

2018 Recycling Center Changes

Why Your Recycling Might Have No Place To Go?

Notice of Permit Renewal Application (PDF)

Notificación de Solicitud de Renovación de Permiso

Solid Waste Division

Overview

The Solid Waste Division offers convenient, sanitary collection and disposal of solid waste for Village of Los Lunas residents. We manage and offer a residential drop-off recycling center, onsite commercial business cardboard pickup, special pickups, recycling events and community cleanups.

Los Lunas Recycling Program


Transfer Station Operation


Trash Accumulation

The focus of the recycling initiative is to ensure the Village seizes both the environmental and economic benefits of recycling, include, the preservation of natural resources and protecting the quality of air, soil, and groundwater. The division tracks the solid waste collected through its transfer station and recycling efforts. This data is submitted to the New Mexico Environmental Department thru a required annual report.

Our team provides once (1) a week residential curbside collection and up to seven (7) days a week commercial solid waste collection and disposal. All personnel maintain commercial driver's licenses and cross trained in the operation of various refuse equipment to maximize daily workload efficiency.


Community Recycle Centers

Staff Directory

Marcus Montoya
Superintendent
Email

Michael Jaramillo
Public Works Director
Email
More Information

APPENDIX E

PROOF OF

AMERICAN TRANSLATORS ASSOCIATION

CERTIFICATE OF ACCURACY

STATE OF NEW MEXICO
COUNTY OF BERNALILLO } ss

AMADO MANUEL GONZALEZ CASTANO, being duly sworn, deposes and says:

1. I translated the English document headed "PUBLIC NOTICE OF FILING OF APPLICATION BY THE VILLAGE OF LOS LUNAS, NEW MEXICO" into the Spanish, which is attached hereto.
2. To the best of my knowledge, ability and belief, the said translation is a true, accurate and complete translation of the original source language document into the target language.
3. I am fluent in both languages. I have been a professional translator for 25 years, and I have been certified. I maintain my certification in full force and effect.

NOTE: The translator declines all responsibility for changes made in the translation by any other person.

Signature : _____

Amado Manuel Gonzalez Castano
Date: **November 30th, 2018**

CERTIFIED TRANSLATOR
ATA Member Id: 260276
REGIST. 65 No. 1932
REGIST. 51 No. 1455
1902 Avondale Pl. NW
Albuquerque, New Mexico 87120
English <> Spanish

This certifies that

Amado M. Gonzalez Castano

is a member in good standing of the
New Mexico Translators and Interpreters Association
for one year commencing 1/20/2018

President Vice President

ALL PURPOSE ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO } ss

SUBSCRIBED AND SWORN TO, BEFORE ME by **AMADO MANUEL GONZALEZ CASTANO,**

WITNESS my hand and official seal on this the 30th day of **November 2018**

NOTARY PUBLIC

OFFICIAL SEAL
ANDREW N MENDEZ
Notary Public
State of New Mexico
My Comm. Expires 2021

Place Notary Public Seal and/or Any Stamp above

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2: EXHIBIT NO. 18 U.S. GEOLOGICAL SURVEY MAP

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

DALIES QUADRANGLE
NEW MEXICO
7.5-MINUTE SERIES

TRANSFER STATION (BOUNDARY IS APPROXIMATE)

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 13S
10 000-foot ticks: New Mexico Coordinate System of 1983 (central zone)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2014
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2014
Contours.....National Elevation Dataset, 1999
Boundaries.....Multiple sources; see metadata file 1972 - 2016
Public Land Survey System.....BLM, 2016
Wetlands.....FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
CU
Grid Zone Designation
13S

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

NEW MEXICO
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

1	2	3
4		5
6	7	8

1 Dalies NW
2 Wind Mesa
3 Isleta
4 Rio Puerco
5 Los Lunas
6 Belen NW
7 Belen
8 Tome
ADJOINING QUADRANGLES

DALIES, NM
2017

NSN 7643016382982
NGA REF NO. USGSX24K11228

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 19
WETLANDS MAP

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

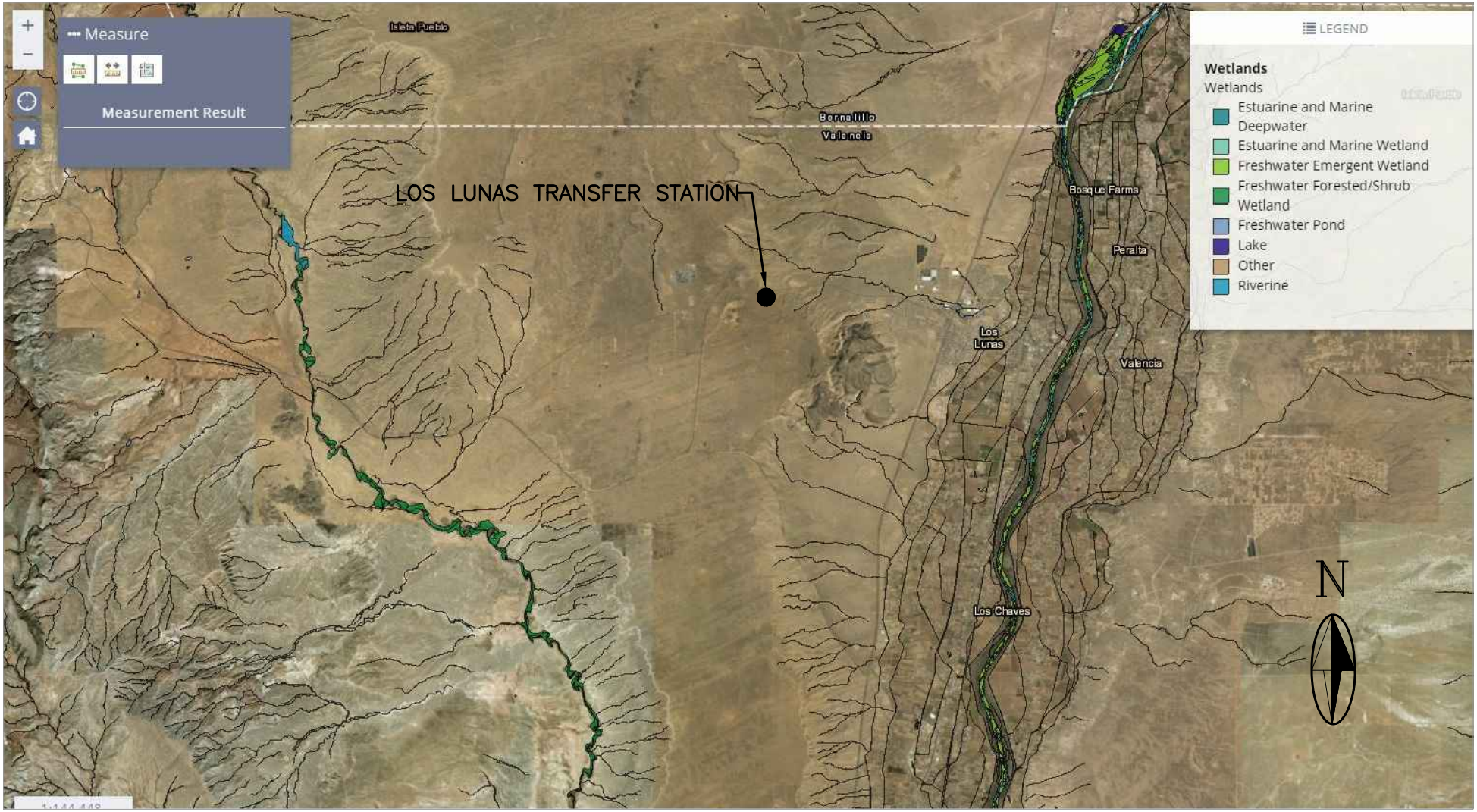
Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

LAST MODIFIED: Oct 23, 2018 - 4:02pm BY USER: dbelka
DWG. LOCATION: I:\LOSLUNAS\LL141-75 Transfer Station Permit Renewal\New Permit\Figures\
DWG. NAME: WLL-exhibit.dwg



TRANSFER STATION PERMIT RENEWAL - LOS LUNAS, NM

MOLZENCORBIN

EXHIBIT NO. 19
WETLANDS MAP

VILLAGE OF LOS LUNAS, NEW MEXICO

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VOLUME 2:
EXHIBIT NO. 20
HISTORIC AND CULTURAL PROPERTIES ASSESSMENT

Prepared for:

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VOLUME 2: EXHIBIT NO. 20
HISTORIC AND CULTURAL PROPERTIES ASSESSMENT

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1.0 GENERAL INFORMATION

According to the National Historic Registry, there are ten properties in Los Lunas that are registered National Historic Places. However, none of these are located near the Transfer Station. A listing of the Historic Properties is provided in Table 1-1.

TABLE 1-1

REGISTERED NATIONAL HISTORIC PLACES IN LOS LUNAS, NM

HPD	Name of Property	County	Property Category	SR Date	NR Date	Address	City	Notes
130	Huning Merchantile and House	Valencia	Building(s)	17-Oct-69		Main St. & Los Lentes	Los Lunas	
283	Luna-Otero, Tranquilino, House	Valencia	Building(s)	18-May-73	16-Apr-75	Highway 85 & State Road 6	Los Lunas	
616	Atchison, Topeka & Santa Fe Railroad Depot	Valencia	Building(s)	31-Mar-78	01-Aug-79	Highway 85	Los Lunas	
724	Pottery Mound	Valencia	Site	22-Jun-79			Los Lunas	Restricted
1128	Wittwer, Dr. William Fredrick, House	Valencia	Building(s)	08-Mar-85	27-Feb-87	Main St.	Los Lunas	
1236	Be-jui Tu-ay (Rainbow Village)	Valencia		28-Feb-86			Los Lunas	Restricted
1240	Los Lentes Pueblo (LA 951)	Valencia		28-Feb-86			Los Lunas	Restricted
1648	Romero, Paia, Cafe	Valencia		06-Dec-96		120 Main St. NW	Los Lunas	
1824	Otero's 66 Service Station	Valencia	Building	06-Dec-02	17-Feb-03	100 Main St.	Los Lunas	
1855	La Capilla de San Antonio de Los Lentes	Valencia		10-Oct-03			Los Lunas	

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

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VOLUME 2:
EXHIBIT NO. 21
EXISTING SITE GEOTECHNICAL REPORT AND GEOLOGIC MAP

Prepared for:

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GEOTECHNICAL ENGINEERING SERVICES REPORT NO. 1-80302 VILLAGE OF LOS LUNAS TRANSFER STATION COMPOSTING FACILITY LOS LUNAS, NEW MEXICO

PREPARED FOR:

MOLZEN CORBIN & ASSOCIATES

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March 26, 2018
Job No. 1-80302

Molzen Corbin & Associates
2701 Miles Road
Albuquerque, NM 87106

ATTN: Derek Belka

RE: Geotechnical Engineering Services Report
Village of Los Lunas
Transfer Station Composting Facility
Los Lunas, New Mexico

Dear Mr. Belka:

Submitted herein is the Geotechnical Engineering Services Report for the above referenced project. The report contains the results of our field investigation, laboratory testing, and recommendations for foundation design, slab support, retaining structures and pavements as well as criteria for site grading.

It has been a pleasure to serve you on this project. If you should have any questions, please contact this office.

Respectfully submitted:
GEO-TEST, INC.

Patrick R. Whorton, EI

Reviewed by:

Robert D Booth, P.E.

ROBERT D. BOOTH NEW MEXICO 5711 LICENSED PROFESSIONAL ENGINEER

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INTRODUCTION

This report presents the results of our geotechnical engineering services investigation performed by this firm for the proposed new Composting Facility to be located at the Village of Los Lunas Transfer Station.

The objectives of this investigation were to:

1) Evaluate the nature and engineering properties of the subsurface soils underlying the site.

2) Provide recommendations for foundation design, slab support, retaining structures and pavements, as well as criteria for excavations and site grading.

The investigation includes subsurface exploration, selected soil sampling, laboratory testing of the samples, performing an engineering analysis and preparation of this report.

PROPOSED CONSTRUCTION

It is understood that the project consists of the construction of a new composting facility at the existing Los Lunas Transfer Station located on NM 6 west of I-25. Construction will consist of a 6,750-square foot concrete slab for the placement of 20-foot shipping containers weighing approximately 20 tons. In addition, a small concrete utility pad for electrical equipment will be constructed as well as a concrete retaining pushwall, the height of which is unknown but it is assumed it will be on the order of 6 to 8 feet. Base course, asphalt or concrete roadways/drive pads will also be constructed, for vehicles weighing up to 25 tons.

Should structural loads or other project details vary significantly from those outlined above, this firm should be notified for review and possible revision of the recommendations contained herein.

FIELD EXPLORATION

Six (6) exploratory borings were drilled at the site to depths of between10 and 15 feet below existing grades. In addition, one (1) percolation test consisting of two (2) percolation borings and one (1) profile boring was drilled to a depth of 10 feet below existing grade. Locations of the borings and percolation test are shown on the attached Boring Location Map, Figure 1. The soils encountered in the borings were continuously examined, visually classified and logged during the drilling operation. The boring logs are presented in a following section of this report. Drilling was accomplished using a truck mounted drill rig equipped with 5.5 inch diameter continuous flight hollow stem auger. Subsurface materials were sampled within the borings at five foot intervals or less utilizing an open tube split barrel sampler or a ring-lined sampler driven by a standard penetration test hammer.

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LABORATORY TESTING

Selected samples were tested in the laboratory to determine certain engineering properties of the soils. Moisture contents were determined to evaluate the various soil deposits with depth. The results of these tests are shown on the boring logs.

Sieve analysis and Atterberg limits tests were performed to aid in soil classification. The results of these tests are presented in the Summary of Laboratory Results and on the individual test reports presented in a following section of this report.

SURFACE CONDITIONS

The site is located at the existing Village of Los Lunas Transfer Station located on the north side of NM 6 approximately 4 miles west of I-25. The new compost facility will be located on the west side of the site. This area naturally slopes downward from east to west with an approximate natural elevation difference of 6 feet between the existing entrance driveway and the west fence. Recently fill has been imported into the area to level the site, specifically in the areas of borings 2, 3 and 4.

SUBSURFACE SOIL CONDITIONS

As indicated by the exploratory borings, the soils underlying the site consist primarily of loose to medium dense, non-plastic silty sand which generally extend to the full depths of the borings. However, at depths ranging from 7.5 feet to 9.5 feet below existing grades, medium plasticity, moderately cemented clayey sand (caliche) was encountered in two of the borings.

No free groundwater was encountered, and soil moisture contents were relatively low throughout the extent of the borings.

CONCLUSIONS AND RECOMMENDATIONS

Although the majority of subsurface soils underlying the site are medium dense, some loose soils were encountered. In addition, since the soils underlying the project area largely consist of undocumented man-made fill, the subsurface soils in their present condition are not considered suitable to provide reliable support of the proposed structures. Foundations and slabs bearing on these soils would be susceptible to excessive differential settlements, particularly upon significant moisture increases. However, with site preparation and very careful moisture protection, as recommended in a following section of this report, the proposed structures can be supported on shallow spread-type footings bearing directly on properly compacted structural fill.

The site preparation would involve an overexcavation of the existing soils throughout the building areas to such an extent as to provide for at least 1 foot

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of properly compacted, non-expansive structural fill below all foundations and slabs on grade. The limits of the overexcavation should also extend laterally from the footing/slab perimeters a distance equal to the depth of fill beneath their bases. The exposed native soils at the base of the excavation should be densified prior to placement of structural fill. The overexcavated soils may be blended and used as structural fill provided it meets the structural fill requirements outlined in the Site Grading section of this report. Detailed recommendations for foundation design and the required site grading are presented in the following sections of this report.

Post-construction moisture increases in the supporting soils could cause some differential foundation movements. Therefore, moisture protection is considered an important design consideration and should be reflected in overall site grading and drainage details as recommended in the Moisture Protection section of this report.

PUSHWALL FOUNDATION

Shallow spread-type footings bearing directly on a minimum thickness of 1 foot of properly compacted structural fill are recommended for the support of the structure. An allowable bearing pressure of 2,000 pounds per square foot is recommended for footing design. This bearing pressure applies to full dead load plus realistic live loads and can be safely increased by one-third for totals loads including wind and seismic forces.

Exterior footings should be established a minimum of 2.0 feet below lowest adjacent finished grade. The minimum recommended width of continuous footings is 1.33 feet.

Total settlements of foundations designed and constructed as recommended herein are estimated not to exceed ¾ inch for the soil moisture contents encountered during this investigation or moisture contents introduced during construction. Differential movements should be less than 75 percent of total movements. Significant post-construction moisture increases in the supporting soils could create additional movements and could cause excessive movements at least in some areas of the site. Accordingly, the moisture protection provisions as recommended in a following section of this report are considered critical for the satisfactory performance of the structure.

LATERAL LOADS

Resistance to lateral forces will be provided by soil friction between the base of floor slabs and footings and the soil and by passive earth resistance against the sides of the footings and stem walls. A coefficient of friction of 0.40 should be used for computing the lateral resistance between bases of footings and slabs and the soil. With backfill placed as recommended in the site grading section of this report, a passive soil resistance equivalent to a fluid weighing 325 pounds per cubic foot should be used for analysis.

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Lateral pressure against retaining walls will depend upon their degree of restraint. Walls which are restrained so as to limit movement at the top of the wall to less than 0.001 times the height of the wall should be designed for an 'at rest' earth pressure of 60 pounds per square foot of depth. Walls free to move at the top should be designed using an 'active' earth pressure equal to 40 pounds per square foot per foot of depth. These recommended lateral pressures are applicable to a condition of horizontal backfill without surcharge loads. Analysis of earth pressures produced by sloping backfill or surcharge loads can be provided by this firm upon request.

The lateral pressures presented above assume no buildup of hydrostatic pressures behind the walls. To prevent the buildup of hydrostatic pressures, adequate weep holes should be provided or composite drainage systems such as Miradrain or equivalent can be installed on the backside of the walls prior to backfilling. The drainage layer would be connected to a collector pipe at the base of the walls and routed to a sump or to a positive gravity drain.

Retaining wall backfill should meet the structural fill specifications outlined in the Site Grading section of this report. During backfilling, the contractor should be limited to the use of hand operated compaction equipment within a zone of about 3 feet horizontally from the back of the walls. The use of heavier equipment could apply lateral pressures well in excess of the recommended design earth pressure, particularly over the upper portions of the walls.

SLABS ON GRADE

Any slabs on grade should be founded on a minimum of 1 foot of properly compacted structural fill. It is recommended that the perimeter of the slab be turned down to extend to a minimum depth of 1.5 feet below adjacent finished grade for frost protection purposes.

Adequate support for slabs-on-grade will be provided by the structural fill when compacted as recommended in a following section of this report. Thus, the use of granular base for structural support of lightly loaded slabs is not considered necessary. However, should it be desired as a working surface, or to increase the modulus of subgrade, a course of granular base can be placed beneath concrete floor slabs.

Where granular base is used beneath the slabs, it should have a plasticity index of no greater than 3 and meet the following grading requirements:

Sieve Size Square Openings	Percent Passing by Dry Weight
1 Inch	100
¾ Inch	70-100
No. 4	35-85
No. 200	0-10

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The granular base should be compacted to at least 95 percent of maximum dry density as determined in accordance with ASTM D1557.

The granular base will act as a capillary barrier but will not totally eliminate the rise of moisture to the slabs. If floor coverings are proposed which are highly sensitive to moisture, it is recommended the slab be placed in accordance with the procedures recommended by the American Concrete Institute (ACI 302.1R-04).

Any heavily loaded slabs on the project bearing on structural fill should be designed using a modulus of subgrade reaction of 200 pounds per square inch per inch of deflection. If a 6 inch thickness of granular base is placed and compacted beneath the slabs, the modulus of subgrade reaction can be increased to 300 pounds per square inch per inch of deflection.

PAVEMENT SECTION DESIGN

The existing subgrade soils underlying the site generally classify as silty sands (SM) according to the Unified Soil Classification System (USCS). These soils classify as A-2-4 according to the American Association of State Highway and Transportation Officials (AASHTO) soil classification system. According to the NMDOT, these soils possess correlated R-values of about 55 and are considered excellent subgrade soils for pavements.

Based on the above, the onsite soils may be used as pavement subgrade and require no special subgrade preparation other than compaction. Prior to the placement of pavement sections recommended below, the subgrade soils should be scarified to a depth of 12 inches, moisture conditioned to ±2 percent of optimum moisture content and compacted to a minimum of 95 percent of maximum dry density as determined in accordance with ASTM D-1557.

With the above recommended subgrade preparation, a flexible pavement section consisting of 3 inches of Hot Mix Asphalt (HMA) over 6 inches of aggregate base course, placed directly over a minimum of 12 inches of properly compacted subgrade material, is recommended for the project. The recommended pavement section applies to automobile parking and drive lanes only. Areas subjected to heavy truck traffic, including delivery trucks and trash collection trucks should have the asphaltic concrete sections thickened by 1 inch. The pavement recommendations are in general conformance with publications prepared by the *Asphalt Institute.*

The HMA should be SPIII or SPIV, compacted to a target density of 94.5 percent, with a minimum compaction of 92 and a maximum compaction of 97 percent of the theoretical maximum density. The recommended Performance Grade (PG) asphalt binder used should be 64-22 according to the NMDOT Design Manual Exhibit 620-7.

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With the above recommended subgrade preparation, a rigid pavement section consisting of 6 inches of Portland Cement Concrete (PCC) placed directly over the minimum of 12 inches of properly compacted subgrade material with an R-Value of 50 or greater, is recommended for the project. The pavement recommendations are in general conformance with ACI 330R-01 *Guide for Design and Construction of Concrete Parking Lots.*

The PCC should have a minimum compressive strength of 4000 psi, be air entrained to between 4.5 and 7.0 percent, and have a maximum aggregate size of 2 inches. The concrete should be placed at a maximum slump of 4 inches. Admixtures may be used to increase the slump and workability provided that the compressive strength is not compromised.

The use of reinforcement within the PCC should be left to the discretion of the structural engineer; however, it is recommended that the pavement be constructed with load transfer joints designed for heavy traffic.

An aggregate base pavement section consisting of 6 inches of angular well-graded gravel, compacted to a minimum of 95 percent of maximum dry density in accordance with ASTM D-1557, and meet the following gradation as determined in accordance with ASTM D-442 is recommended for the project:

Sieve Size Square Openings	Percent Passing by Dry Weight
1 Inch	100
¾ Inch	70-100
No. 4	40-70
No. 10	30-55
No. 200	6-15

*This material is comparable to the NMDOT Type II Base Course blend.

Routine maintenance of the aggregate paved road will be required to maintain a minimum 2 percent crown to facilitate drainage as recommended within the Moisture Protection section below. Over time, additional material meeting the specifications above will be required to maintain the required 6 inch thickness. Thinning of the aggregate pavement section and poor drainage will allow for rutting and potholing which will lead to excessive moisture accumulation in the subgrade soils which, in turn, will lead to further deterioration of the roadway and poor or difficult driving conditions.

SITE-GRADING

The following general guidelines should be included in the project construction specifications to provide a basis for quality control during site grading. It is recommended that all structural fill and backfill be placed and compacted under engineering observation and in accordance with the following:

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1) After site clearing and stripping, and the demolition of all existing construction to be removed, the existing soils throughout the building areas should be overexcavated to such an extent as to provide for a minimum of 1 foot of properly compacted structural fill beneath all foundations and slabs on grade. The overexcavation limits should extend laterally beyond the footing perimeters equal to the depth of fill beneath their bases. The soils exposed at the base of the overexcavation should be densified before placement of structural fill.

2) Densification of the exposed native soils should consist of scarifying, moisture conditioning to near the optimum moisture content, and compacting the area to a minimum of 95 percent of maximum dry density as determined in accordance with ASTM D-1557.

3) The results of this investigation indicate that most of the on-site soils will meet the criteria for structural fill, however, some blending may be required.

4) All structural fill or backfill material should be free of vegetation and debris and contain no rocks larger than 3 inches. Gradation of the backfill material, as determined in accordance with ASTM D-422, should be as follows:

Sieve Size	Percent Passing by Dry Weight
1 Inch	100
No. 4	60 - 100
No. 200	15- 40

5) All structural fill or backfill, should be placed in 8-inch loose lifts and compacted with approved compaction equipment. Lifts should be reduced to 4-inches if hand held compaction equipment is used. Each lift should be firm and non-yielding. All compaction of structural fill or backfill should be accomplished to a minimum of 95 percent of the maximum dry density, and within 1 percent below to 2 percent above the optimum moisture content, as determined in accordance with ASTM D-1557.

6) Tests for degree of compaction should be determined by the ASTM D-1556 method or ASTM D-6938. Observation and field tests should be carried on during fill and backfill placement by the geotechnical engineer to assist the contractor in obtaining the required degree of compaction. If less than 95 percent is indicated, additional compaction effort should be made with adjustment of the moisture content as necessary until 95 percent compaction is obtained.

7) It is recommended that a shrinkage factor of 15% be used for earthwork estimations.

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EXCAVATIONS

Excavated slopes for foundation and utility construction should be designed and constructed in accordance with 29 CFR 1926, Subpart P, and any applicable state or local regulations. Excavated temporary and permanent slopes should not exceed 2:1 (horizontal to vertical). Excavation of the surficial soils can be readily accomplished using normal earthmoving equipment.

The contractor should be responsible for all temporary excavation slopes excavated for the purpose of structural fill placement as well as the design of any required temporary shoring, as applicable. Shoring, bracing, and benching should be performed by the contractor in accordance with applicable safety standards. In areas where shoring is not required for excavation, the excavation walls should be laid back at a slope of no steeper than 2 horizontal to 1 vertical. Spoil piles and heavy equipment should not be allowed within 5 feet of the top of the slopes.

MOISTURE PROTECTION

Precautions should be taken during and after construction to minimize moisture increase of foundation soils. Positive drainage should be established away from the exterior walls of the structure. A typical adequate slope is 6 inches in the first 5 feet with positive drainage being provided from those points to streets or natural water courses. If necessary to provide positive drainage, the building areas should be raised above adjacent grade with structural fill.

Roof runoff from the structure should be collected by gutters and downspouts or roof canales and discharge runoff to splash blocks which carry water rapidly away from the structure's foundation. Positive drainage should also be maintained away from the structure at a typical adequate slope of 6 inches within the first 5 feet with positive drainage provided from those points beyond.

Backfill should be well compacted and should meet the specifications outlined in the Site Grading section of this report. Irrigation within 10 feet of foundations should be carefully controlled. All utility trenches leading into the structure should be backfilled with compacted fill. Special care should be taken during installation of the subfloor sewer and water lines to reduce the possibility of future subsurface saturation.

Proper landscaping and drainage maintenance is required to preclude accumulation of excessive moisture in the soils below the structure. Accumulations of excessive moisture could be harmful to some types of interior flooring, to HVAC ductwork beneath the slabs, and can weaken or cause other changes in the soils supporting the foundations and slabs. This can cause differential movement of the foundations and can result in cosmetic or structural damage to the structure.

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Increases in the subgrade moisture content can weaken the subgrade soils, thereby shortening pavement life and causing localized failure. Therefore, all paved areas should be graded to drain and not allow any ponding on the surface of the paved areas. Positive drainage should be provided away from the perimeter of all paved areas for a distance of at least 10 feet. It is recommended that the pavement be graded with a 2 percent crown or slope to facilitate drainage.

The foregoing recommendations should only be considered minimum requirements for overall site development. It is recommended that a civil/drainage engineer be consulted for more detailed grading and drainage recommendations.

FOUNDATION REVIEW AND INSPECTION

This report has been prepared to aid in the evaluation of this site and to assist in the design of this project. It is recommended that the geotechnical engineer be provided the opportunity to review the final design drawings and specifications in order to determine whether the recommendations in this report are applicable to the final design. Review of the final design drawings and specifications should be noted in writing by the geotechnical engineer.

In order to permit correlation between the conditions encountered during construction and to confirm recommendations presented herein, it is recommended that the geotechnical engineer be retained to perform continuous observations and testing during the earthwork portion of this project. Observation and testing should be performed during construction to confirm that suitable fill soils are placed upon competent materials and properly compacted, and foundation elements penetrate the recommended soils.

CLOSURE

Our conclusions, recommendations and opinions presented herein are:

1) Based upon our evaluation and interpretation of the findings of the field and laboratory program.

2) Based upon an interpolation of soil conditions between and beyond the explorations.

3) Subject to confirmation of the conditions encountered during construction.

4) Based upon the assumption that sufficient observation will be provided during construction.

5) Prepared in accordance with generally accepted professional geotechnical engineering principles and practice.

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This report has been prepared for the sole use of Molzen Corbin & Associates, specifically to aid in the design of the proposed Transfer Station Composting Facility in Los Lunas, New Mexico, and not for use by any third parties.

We make no other warranty, either expressed or implied. Any person using this report for bidding or construction purposes should perform such independent investigation as they deem necessary to satisfy themselves as to the surface and subsurface conditions to be encountered and the procedures to be used in the performance of work on this project. If conditions encountered during construction appear to be different than indicated by this report, this office should be notified.

All soil samples will be discarded 60 days after the date of this report unless we receive a specific request to retain the samples for a longer period of time.

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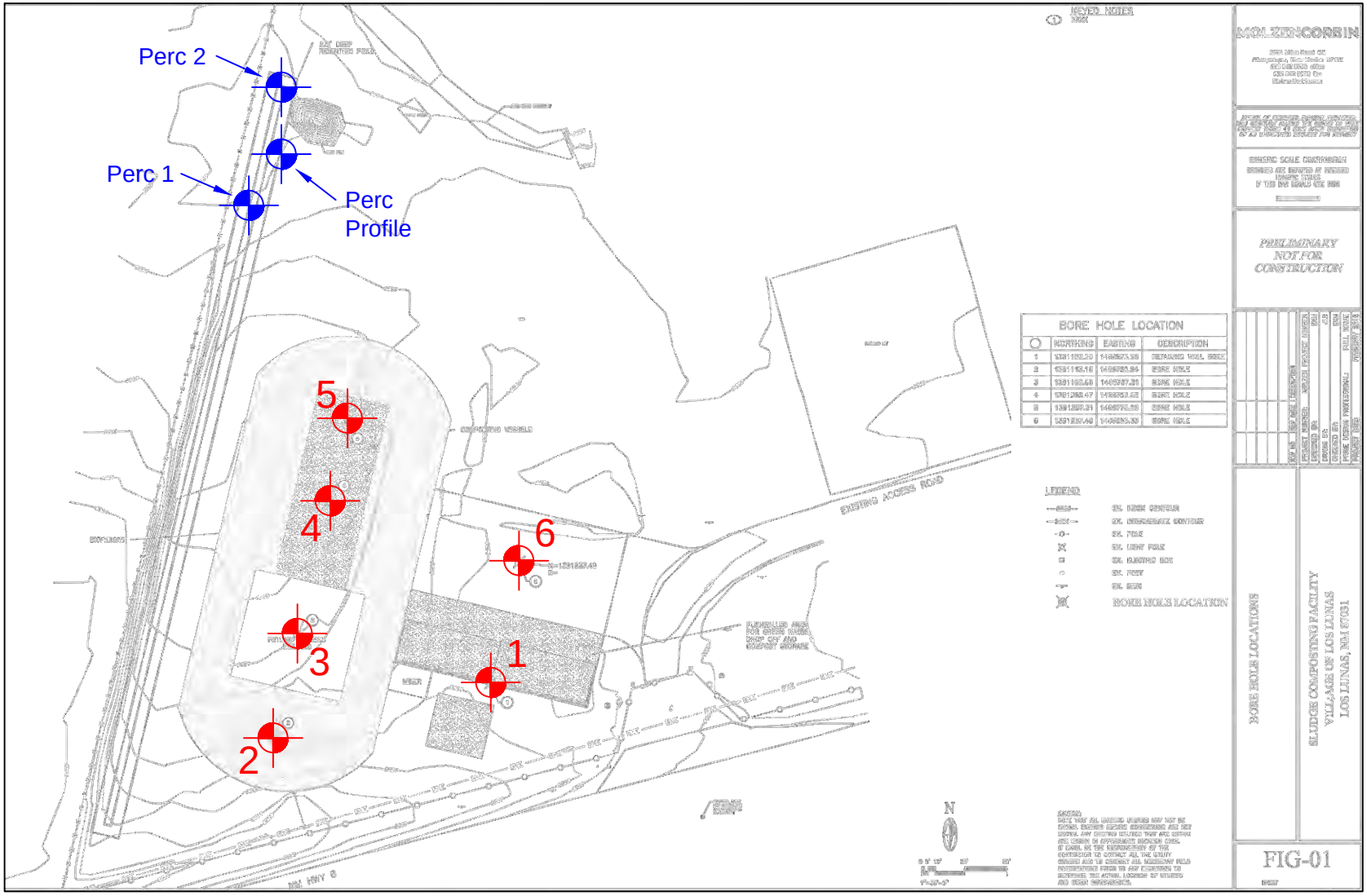
BORING LOCATION MAP



Transfer Station Composting Facility
Los Lunas, New Mexico
Job No. 1-80302

Figure 1

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GEOTECHNICAL ENGINEERING
AND MATERIAL TESTING

GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

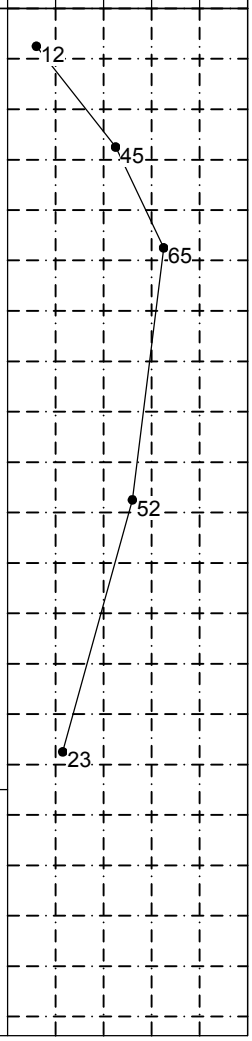
LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 1

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	6-6-6 12	6			
			SS	12-22-23 45	5			
5			SS	23-30-35 65	6			
							SM	SILTY SAND, non-plastic, medium to very dense, dry, light brown
10			SS	13-27-25 52	5			
15			SS	9-10-13 23	6			
								Stopped Auger @ 14 feet Stopped Sampler @ 15.5 feet
20								



LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
AMSL - Above Mean Sea Level
CS - Continuous Sampler
UD - Undisturbed
ST - Shelby Tube

Stratification lines represent approximate boundaries between soil types. Transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurments were made.

GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

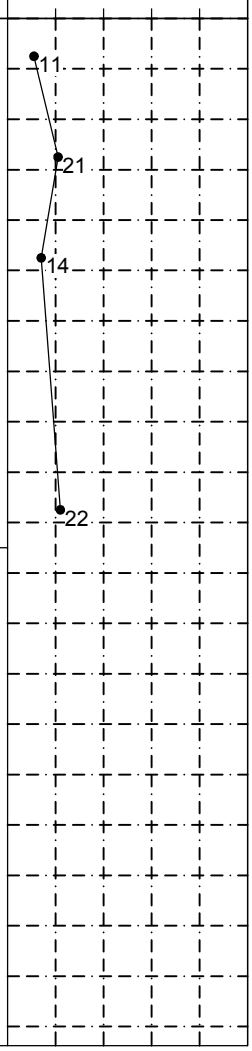
LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 2

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	5-5-6 11	7			
			SS	7-10-11 21	8			
5			SS	6-6-8 14	7		SM	SILTY SAND, non-plastic, medium dense, slightly moist to dry, brown * Fill 0-7.5 feet
10			SS	10-14-8 22	4			
15								
20								



LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
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GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

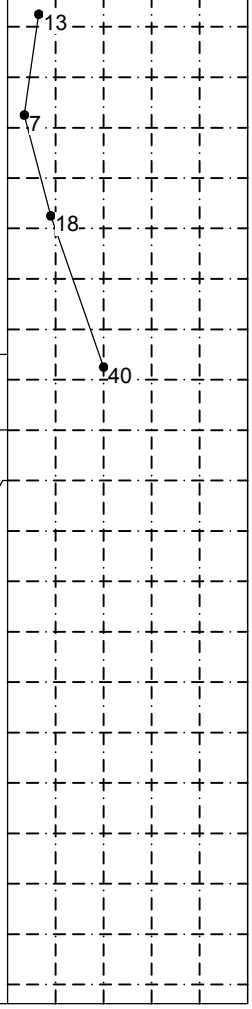
LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 3

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	4-5-8 13	7		SM	SILTY SAND, non-plastic, loose to medium dense, silghtly moist, brown * Fill 0-7.5 feet
			SS	4-3-4 7	6			
5			SS	6-7-11 18	5			
			SS	9-15-25 40	6		SC	CLAYEY SAND, moderately cemented (caliche), low plasticity, dense, dry, white
			SS	28-50/6" 50/6"	5		SM	SILTY SAND, non-plastic, very dense, dry, brown Stopped Auger @ 9 feet Stopped Sampler @ 10 feet
10								
15								
20								



LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
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GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 4

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	2-5-8 13	7			
			SS	8-8-11 19	8			
5			SS	6-10-12 22	7		SM	SILTY SAND, non-plastic, medium dense, slightly moist, brown * Fill 0-5 feet
10			SS	23-19-10 29	4			Stopped Auger @ 9 feet Stopped Sampler @ 10.5 feet
15								
20								

N blows/ft
20 40 60 80
13
19
22
29

LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
AMSL - Above Mean Sea Level
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GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

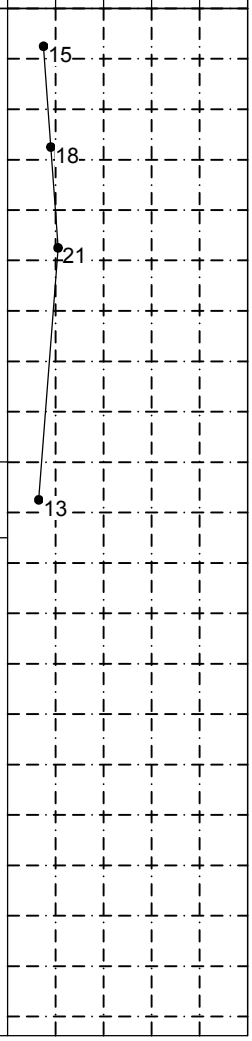
LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 5

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	5-8-7 15	7			
			SS	5-9-9 18	6			
5			SS	6-9-12 21	5		SM	SILTY SAND, non-plastic, medium dense, slightly moist, brown
10			SS	10-7-6 13	3		SP-SM	POORLY GRADED SAND with SILT, non-plastic, medium dense, dry, brown
								Stopped Auger @ 9 feet Stopped Sampler @ 10.5 feet
15								
20								



LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
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GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

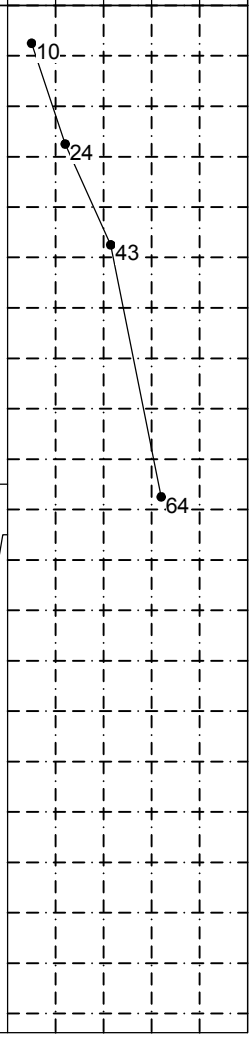
LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: 6

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	DESCRIPTION
			SS	7-5-5 10	6			
			SS	7-10-14 24	5			
5			SS	15-20-23 43	5		SM	SILTY SAND, non-plastic, loose to dense, slightly moist to dry, brown
10			SS	20-30-34 64	7		SC	CLAYEY SAND, moderately cemented (caliche), medium plasticity, very dense, dry, white Stopped Auger @ 9 feet Stopped Sampler @ 10.5 feet
15								
20								



LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
AMSL - Above Mean Sea Level
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GEO-TEST

Project: Transfer Station Composting Facility
Date: 03/13/2018 Project No: 1-80302
Elevation: Type: 5.5" OD HSA

LOG OF TEST BORINGS

GROUNDWATER DEPTH

NO: Perc Profile

During Drilling: none After 24 Hours:

DEPTH (Ft)	LOG	SAMPLE INTERVAL	SAMPLE TYPE	N. BLOWS/FT	MOISTURE %	DRY DENSITY (pcf)	USC	SUBSURFACE PROFILE DESCRIPTION	N blows/ft 20 40 60 80
5					8		SM	SILTY SAND, non-plastic, slightly moist, brown	
10								Stopped Auger @ 9 feet	
15									
20									

LOG OF TEST BORING 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

LEGEND

SS - Split Spoon
AC - Auger Cuttings
UD/SL - Undisturbed Sleeve
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Stratification lines represent approximate boundaries between soil types. Transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to factors other than those present at the time measurments were made.

SUMMARY OF LABORATORY RESULTS

						SIEVE ANALYSIS PERCENT PASSING											
TEST HOLE	DEPTH (FEET)	UNIFIED CLASS	(%) MOIST	LL	PI	NO 200	NO 100	NO 40	NO 10	NO 4	3/8"	1/2"	3/4"	1"	1 1/2"	2"	4"
1	1.0	SM	5.9	NP	NP	27	53	95	100								
1	3.0		4.8														
1	5.0		5.6														
1	10.0		4.6														
1	15.0	SM	5.7	NP	NP	25	50	86	98	99	99	99	100				
2	1.0		7.4														
2	3.0	SM	7.6	NP	NP	18	44	91	99	99	99	100					
2	5.0		6.7														
2	10.0		3.6														
3	1.0		7.3														
3	3.0		6.1														
3	5.0		5.1														
3	8.0	SC	6.2	25	9	38	61	93	99	99	99	100					
3	10.0		4.5														
4	1.0		7.0														
4	3.0		7.6														
4	5.0	SM	6.8	NP	NP	20	47	93	100								
4	10.0		4.2														
5	1.0		7.4														

GEO-TEST

LL = LIQUID LIMIT
PI = PLASTICITY INDEX
NP = NON PLASTIC or NO VALUE

Project: Transfer Station Composting Facility

Location: Los Lunas, NM

Number: 1-80302

SUMMARY OF LABORATORY RESULTS 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/26/18

SUMMARY OF LABORATORY RESULTS

						SIEVE ANALYSIS PERCENT PASSING											
TEST HOLE	DEPTH (FEET)	UNIFIED CLASS	(%) MOIST	LL	PI	NO 200	NO 100	NO 40	NO 10	NO 4	3/8"	1/2"	3/4"	1"	1 1/2"	2"	4"
5	3.0		6.5														
5	5.0		5.1														
5	10.0	SP-SM	3.4	NP	NP	10	44	96	100								
6	1.0		6.5														
6	3.0	SM	4.9	NP	NP	22	51	96	100								
6	5.0		4.8														
6	10.0	SC	6.7	32	13	27	46	81	99	100							
Perc Profile	5.0	SM	7.9	NP	NP	24	53	97	100								

GEO-TEST

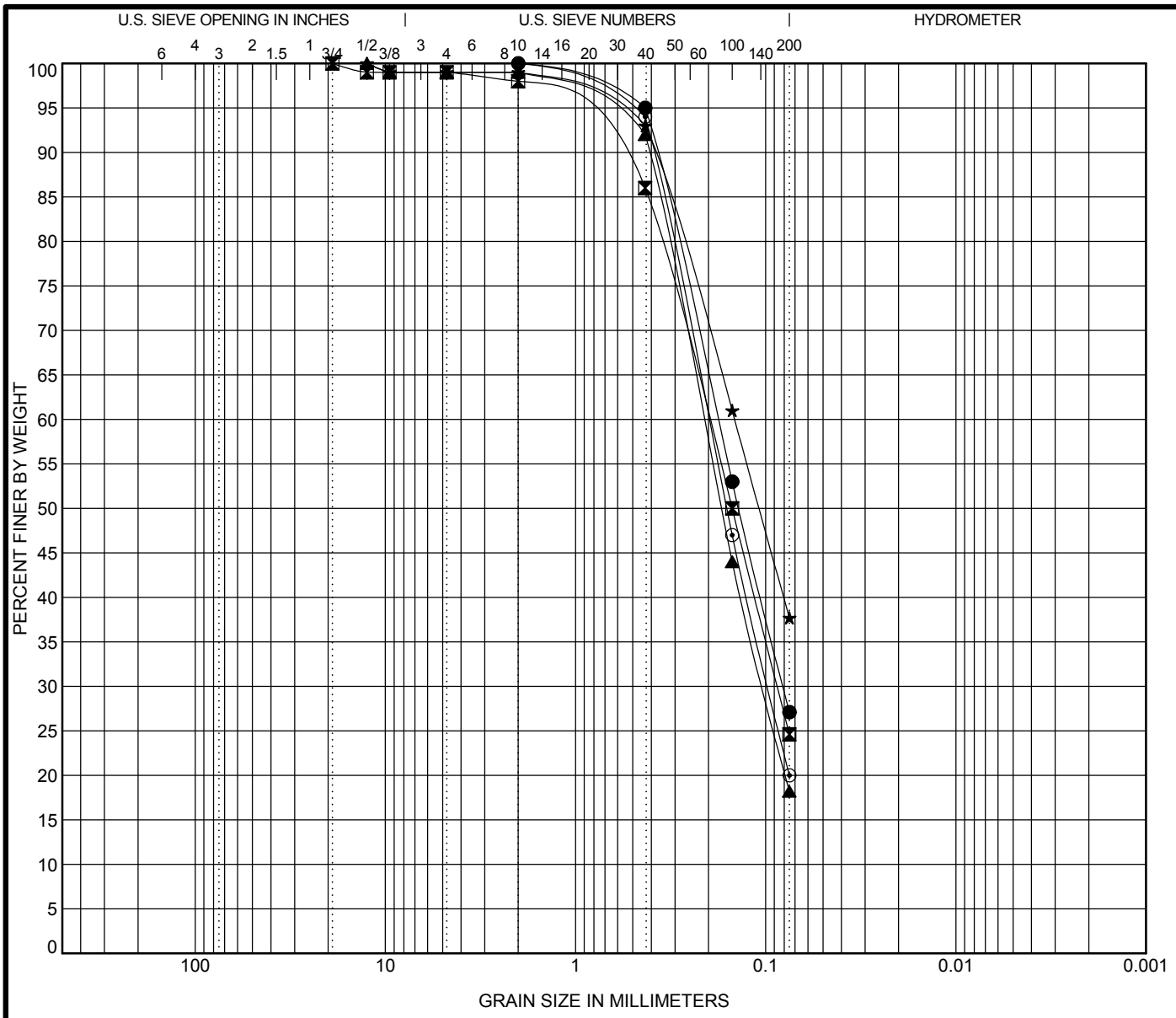
LL = LIQUID LIMIT
PI = PLASTICITY INDEX
NP = NON PLASTIC or NO VALUE

Project: Transfer Station Composting Facility

Location: Los Lunas, NM

Number: 1-80302

SUMMARY OF LABORATORY RESULTS 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/26/18



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	1	1.0	**SILTY SAND(SM)**	**NP**	**NP**	**NP**		
⊠	1	15.0	**SILTY SAND(SM)**	**NP**	**NP**	**NP**		
▲	2	3.0	**SILTY SAND(SM)**	**NP**	**NP**	**NP**		
★	3	8.0	**CLAYEY SAND(SC)**	**25**	**16**	**9**		
⊙	4	5.0	**SILTY SAND(SM)**	**NP**	**NP**	**NP**		

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	1	1.0	**2**	**0.179**	**0.081**		**0.0**	**72.9**	**27.1**	
⊠	1	15.0	**19**	**0.201**	**0.087**		**1.0**	**74.4**	**24.6**	
▲	2	3.0	**12.5**	**0.213**	**0.103**		**1.0**	**80.8**	**18.2**	
★	3	8.0	**12.5**	**0.146**			**1.0**	**61.3**	**37.7**	
⊙	4	5.0	**2**	**0.201**	**0.097**		**0.0**	**80.0**	**20.0**	

GEO-TEST

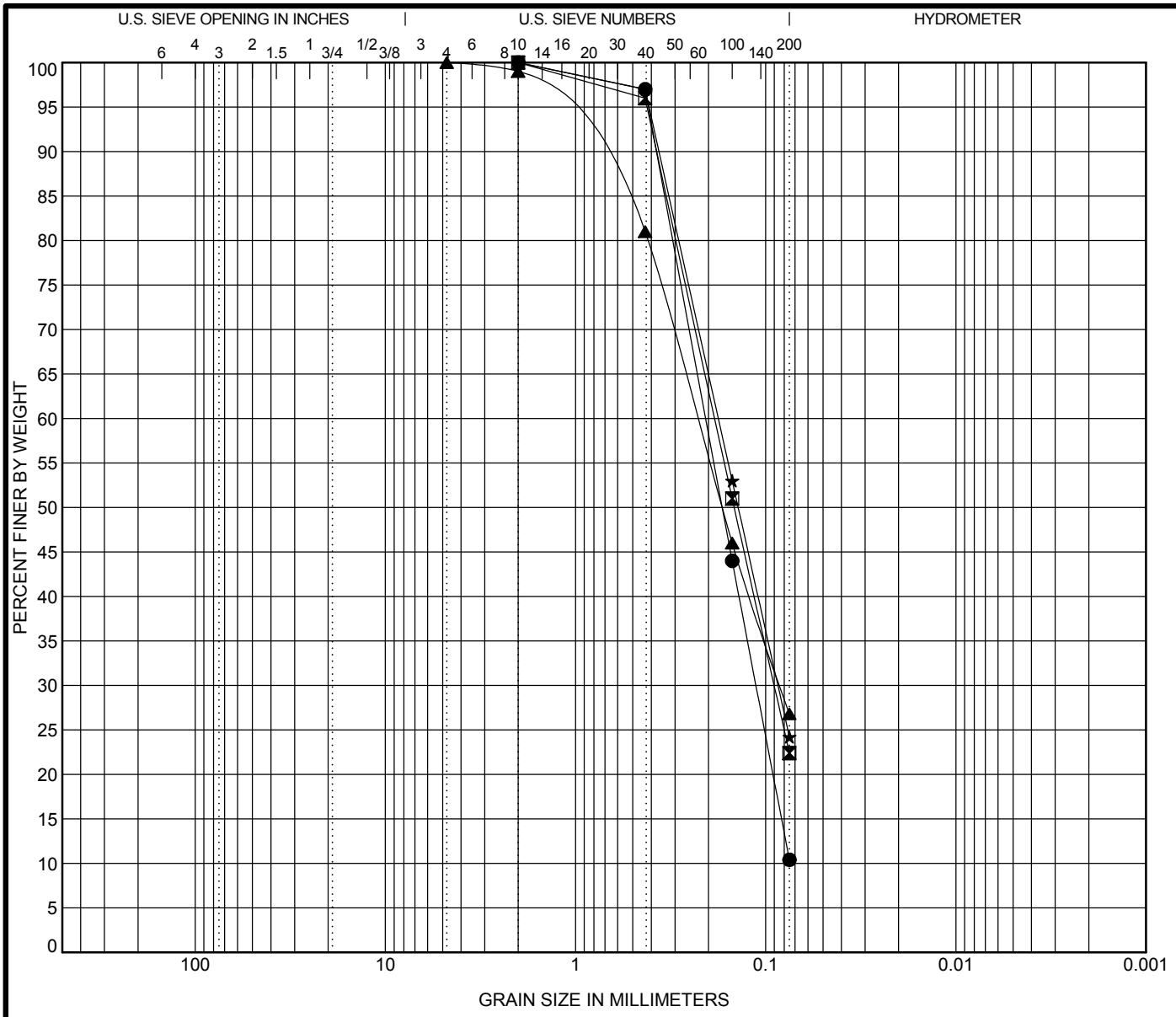
GRAIN SIZE DISTRIBUTION

Project: Transfer Station Composting Facility

Location: Los Lunas, NM

Number: 1-80302

US GRAIN SIZE 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	5	10.0	POORLY GRADED SAND with SILT(SP-SM)	NP	NP	NP	0.82	2.77
⊠	6	3.0	SILTY SAND(SM)	NP	NP	NP		
▲	6	10.0	CLAYEY SAND(SC)	32	19	13		
★	Perc Profile	5.0	SILTY SAND(SM)	NP	NP	NP		

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	5	10.0	2	0.206	0.112		0.0	89.6	10.4	
⊠	6	3.0	2	0.185	0.09		0.0	77.6	22.4	
▲	6	10.0	4.75	0.229	0.084		0.0	73.2	26.8	
★	Perc Profile	5.0	2	0.177	0.086		0.0	75.8	24.2	

GEO-TEST

GRAIN SIZE DISTRIBUTION

Project: Transfer Station Composting Facility

Location: Los Lunas, NM

Number: 1-80302

US GRAIN SIZE 1-80302 LOS LUNAS COMPOSTING.GPJ GEO TEST.GDT 3/23/18

GEO-TEST

Percolation Test

Project Name:	Los Lunas Compost Facility
Job Number	1-80302
Client:	Molzen Corbin & Associates
Test By:	Geo-Test
Location:	North End of Pond Area See Attached Figure 1

Test 1

Test Duration: 60 min

Total Hole Depth: 51 inches
Water Level Start: 11.5 inches
Water Level End: -9.25 inches

Time		Water Drop	
14:47		0	inches
14:57		4	inches
15:07		3	inches
15:17		2.75	inches
15:17	Refill		inches
15:27		6	inches
15:37		2.75	inches
15:47		2.25	inches
			inches
			inches

Percolation Rate: 4.4 min/inch

Test 2

Test Duration: 60 min

Total Hole Depth: 37 inches
Water Level Start: 9 inches
Water Level End: -7.0 inches

Time		Water Drop	
14:49		0	inches
14:59		9.5	inches
14:59	Refill		inches
15:09		5	inches
15:19		4.5	inches
15:29		2.5	inches
15:39		2	inches
15:49		2	inches
			inches
			inches

Percolation Rate: 5.0 min/inch

Average Percolation Rate: **4.7** **min/inch**

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VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 22
COMPLIANCE HISTORY

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOL. 2: EXHIBIT NO. 22
COMPLIANCE HISTORY

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LIST OF TABLES

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APPENDICES

Appendix A: November 17, 1999 Final Order and Proof of Compliance

1.0 GENERAL INFORMATION

The VLLTS was inspected seven times during the initial term of the permit (1998 through present). A summary of the inspections is provided in Table 1-1. On November 17, 1999 the Secretary of Environment issued a Final Order to the Village of Los Lunas for the Solid Waste Facility Permit for a Solid Waste Transfer Station. In that Final Order, two conditions were required by the Secretary, they are as follows: 1. Should any part of the proposed design fail, the Village shall correct it to protect the public health, safety and welfare, and the environment from any threat from the Transfer Station. The Village shall adequately maintain embankments, drainage structures, and erosion control features for the life of the Transfer Station. The Village shall note daily in the operating record and report quarterly on any observed erosion and all maintenance and repairs to the water control system and the Transfer Station; 2. The Village shall install and monitor a precipitation gauge and record daily precipitation at the Transfer Station in the operating record. Precipitation data shall be furnished quarterly to the Department. For further details on inspections and the Final Order issued on November 17, 1999, please refer to Appendix A. These inspection reports and documentation are kept on site in the Transfer Station's Administration Building.

TABLE 1-1
VLLTS SWB INSPECTIONS SUMMARY

Inspection Date	Inspector	Observations/Violations Found	Resolution to Violations
August 5, 1998	George W. Akeley Jr.	1. Blacktop width may not be adequate for truck turning radius at exit of tipping area. 2. Several areas of the facility saw areas of erosion and are encroaching on the blacktop in at least one area. 3. Cement wall on North/Northwest of facility may not be vertical. 4. Waste in excess of 120 cubic yards/day needs to be diverted to another approved solid waste facility until permitting process is completed. 5. Waste oil section of recycling area should have a tank installed, to prevent spills & facilitate removal. 6. Blacktop on top portion of facility should be monitored for break-up, as some areas may not be properly compacted.	1. Blacktop has been widened and is able to accommodate truck turning radius. 2. Problematic erosion areas are monitored and ground glass is used to help mitigate erosion. 3. No evidence of non-vertical wall at time of this submission. 4. The Los Lunas Transfer Station is a permitted Solid Waste Facility and has a capacity to handle 520 cubic yards of waste. 5. Waste oil is now stored in a tank. 6. Blacktop has been monitored and appropriated maintenance has occurred.
February 17, 2000	George W. Akeley Jr	1. There were no posted signs at the facility. 2. There was no implemented plan on-file at the facility to inspect loads to detect and prevent disposal of unauthorized waste. 3. There was no implemented training plan for the facility's employees in the identification of unauthorized waste. 4. No documented waste screening inspections were conducted at the facility. 5. The facility's contingency plan, as included in the facility's permit, indicates that on-site personnel will receive emergency response training. The on-site operator advised he received no such training. 6. The facility's contingency plan failed to describe arrangements with local emergency response agencies, failed to include an evacuation plan indicating the routes of evacuation, and did not indicate when the plan must be amended-although this was included in the narrative portion of the facility's permit.	1. Facility signs stating the name of the facility, days/ hours of operation, emergency phone numbers, and disposal instructions. 2. A load inspection plan has been implemented to mitigate the disposal of unauthorized waste. 3. A Training Plan for identification of unauthorized waste has been implemented and is updated as need be. 4. Waste screening has thus been documented using waste screening logs and are filled and kept on-site. 5. Emergency response training is required by the Village of Los Lunas Transfer Station upon being hired and annually thereon after. This training is documented and filled on-site. 6. The Transfer Station's contingency plan has been updated to meet all requirements of NMAC and is updated in accordance to 20.9.5.15.E(1-5) NMAC

TABLE 1-1
VLLTS SWB INSPECTIONS SUMMARY (continued)

Inspection Date	Inspector	Observations/Violations Found	Resolution to Violations
February 15, 2010	Teri Monaghan	No Violations	N/A
August 17, 2011	Teri Monaghan	No Violations	N/A
September 10, 2015	Paul Martinez and Dan Galasso	1. 20.9.5.8(A)(3) NMAC – Failure to post, "No Fire" and "No Scavenging" signs. 2. 20.9.5.15(C) NMAC – Failure to maintain an updated contingency Plan of the Facility. 3. 20.9.5.8(B)(7) NMAC – Failure to document in the operating record that unauthorized waste training has been conducted.	1. Signs reading, "No Fire" and "No Scavenging" were posted. 2. Copies of the Contingency Plan are kept at the facility and are provided to emergency response authority. The Contingency plan is updated in accordance to 20.9.5.15 .E(1-5) 3. Operating record is updated regularly and documented whenever unauthorized waste training and any other type of training occurs.
March 14, 2017	Paul Martinez	1. 20.9.5.8.B(7) NMAC – Failure to document that authorized training has been conducted upon hiring and at least annually regarding implementation of the Contingency Plan. 2. 20.9.5.16.E NMAC – Failure to provide annual reports for review. The reports are kept at the Administration office and not available for review upon request.	1. Training in implementation of the Contingency Plan upon hiring and annually thereon after is documented in training documentation logs that are filled and kept on site in the Admin. Office. 2. Annual report sheets have been implemented and are filled and kept in Admin. Office and are readily available upon request for review.
March 22, 2018	Paul Martinez	1. 20.9.5.16.A(14) NMAC – Failure to provide financial assurance documentation upon request. Santa Fe did receive the annual report with the financial assurance however.	1. Copy of the financial assurance was found and provided to the NMED SWB

NEW MEXICO
ENVIRONMENT DEPARTMENT

1190 Saint Francis Drive, Room N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469
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Governor

JOHN A. SANCHEZ
Lt. Governor

RYAN FLYNN
Secretary

BUTCH TONGATE
Deputy Secretary

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
ENTRY NOTIFICATION

Facility Name: Village of Los Lunas Transfer Station

Facility Address: 7480 Main St. (Hwy 6) Los Lunas 87031

This is to notify you that pursuant to New Mexico Solid Waste Act ("SWA"), NMSA 1978, Section 74-9-33, as an authorized representative of the New Mexico Environment Department ("NMED"), I am allowed to enter this facility and/or vehicle at any reasonable time in order to make an inspection or investigation of solid waste management practices.

This is also to notify you that in accordance with the New Mexico Solid Waste Rules ("SWR"), 20.9.2.12 NMAC, as an authorized representative of the NMED, I am authorized to investigate, inspect, enforce, monitor or sample at this facility and/or vehicle.

I have presented you with credentials indicating that I am duly authorized to enforce and administer all laws, rules and regulations within the jurisdiction of the NMED.

Paul E. Martinez
NMED Authorized Representative

9/9/15
Date

Facility Representative

9-10-15
Date

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 9/10/2015

FACILITY NAME: Village of Los Lunas Transfer Station

CONTROL #: SWM-320606

REASON FOR INSPECTION:
[✓] Routine [ ] Follow Up
[ ] Complaint [ ] Other
[ ] Suspected Violation
[ ] Closure / Post Closure

FACILITY OPERATOR: Village of Los Lunas

FACILITY LOC.: North side of Hwy 6, 3 miles W. of I-25.

DISTRICT: EA - I

STATUS: [ ] INTERIM [✓] PERMITTED [ ] CLOSED

PHONE: (505) 352-7629

TYPE OF FACILITY: Permitted Transfer Station

OPERATING HOURS: 8:00 - 10:30 AM, 1:30 - 2:30 PM DAYS OF WEEK: M - F

TYPE OF WASTE HANDLED [✓] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL (Tons) / Cu. Yds. 918 Daily/(Monthly) (circle one)

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter
b. [ ] Roads Maintained
c. [ ] Noise
d. [ ] Vectors
e. [ ] Dust / Odor
f. [ ] Access Controlled
g. [ ] Tipping / Insp. Area
h. [ ] Scavenging Control
i. [ ] Fire Control
j. [ ] Health/Environment Hazard
k. [ ] Compaction
l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours
b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers
d. [ ] Directions to Fill Areas
e. [X] Fires Prohibited
f. [X] Scavenging Prohibited
g. [ ] Operation Procedures
h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] Certified
b. [ ] On Site While Open
c. [ ] Employees Trained
d. [ ] _____

4. COVER

a. [ ] Daily Applied
b. [ ] Intermediate Applied
c. [ ] Final Cover
d. [ ] Excavating a Closed Cell
e. [ ] Compaction
f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] Methane
b. [ ] Leachate
c. [ ] Ground Water
d. [ ] Unauthorized Waste Analized
e. [ ] Frequency Maintained
f. [ ] Proper Equip./ Test Used
g. [ ] Gas Control
h. [ ] Waste Properly Processed
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] Water Run-on
b. [ ] Water Run-off
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] Special Waste
b. [ ] Hazardous Waste
c. [ ] Infectious Waste
d. [ ] Asbestos
e. [ ] Tires
f. [ ] White Goods
g. [ ] Recyclables
h. [ ] Lead Acid Batteries
i. [ ] Hot Waste
j. [ ] Timely Removal
k. [ ] Ash
l. [ ] Petroleum Contam. Soil
m. [ ] Transfer Stations
n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment
b. [ ] Storage Equipment
c. [ ] Audible Signals
d. [ ] Transport Equipment
e. [ ] Collection Equipment
f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment
h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [X] Contingency
b. [ ] Operating / Maintenance
c. [ ] Inspection
d. [ ] Disposal Management
e. [ ] Facility Site Plan
f. [ ] Closure / Post Closure
g. [X] Training Programs
h. [ ] Removal - Stored Waste
i. [ ] Ground Water Monitor
j. [ ] Fire Protection & Prevention
k. [ ] Methane Monitoring
l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] Clean-up/Remediation
n. [ ] Leachate Control
o. [ ] Deviation From Plans
p. [ ] _____

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept.
b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures
d. [ ] Times & Dates
e. [ ] Names of Co. & Driver
f. [ ] Vehicle License Number
g. [ ] Vehicle Description
h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other
b. [ ] Area Restricted
c. [ ] Clean Up Assured
d. [ ] Transportation Assured
e. [ ] Disposal Assured
f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results
b. [ ] Paint Filter Test Results
c. [ ] Manifests
d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

Facility: Los Lunas Transfer Station Inspector(s): P. Mtz & D. Galasso

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
i. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
2	e,f		20.9.5.8(A)(3) NMAC, Failure to post "No Fire" and "No Scavenging" signs. The inspection documented inadequate signage for the facility. The SWR states that "[T]he owner or operator shall post signs to indicate ... that fires and scavenging are prohibited."
9	a		20.9.5.15(C) NMAC, Failure to maintain an updated Contingency Plan at the facility. The SWR requires "[A] copy of the contingency plan shall be kept at the facility. The contingency plan on file was out dated and not current with respect to the emergency coordinator contacts.
9	g		20.9.5.8(B)(7) NMAC, Failure to document in the operating record that unauthorized waste training has been conducted. The SWR states that "Owners and operators of solid waste facilities shall train employees when hired and at least annually on when and how to implement contingency plans and document in the operating record that such training has been conducted."

Outbriefing held w/ Jason Montoya, Facility Operator, on 9/10/15 at 11:31 AM. POB 1209, Los Lunas, NM 87031. Email: montoyajm@loslunasnm.gov.

Violations MUST BE CORRECTED BY: 10/10/15 Operator/Rep. Signature: [signature] Date: 9-10-15

Follow-up Inspection Due On (Date): _____ NMED/Rep. Signature: Paul E. Martinez Date: 9/10/15

Distribution White/Original to NMED Yellow to Inspector Pink to Facility SWB-Inspection Rev. 10/96

Photograph Log

General Information

Facility/ Location: Los Lunas T.S

Operator: Village of Los Lunas

Inspection Team: P. Nitz & D. Galasso

Photographer: D. Galasso

Photographs

Photo No.	Date	Time	Description
1	9/10/15	1042	Signage at entrances noting address, days & hrs. of operation, contact numbers. and "no scavenging & fees." Facing: NE
2	"	1041	Signage on-site noting disposal instructions Facing: N
3	"	1038	Signage noting accepted & prohibited materials. Facing: NE
4	"	1045	Signage noting disposal instructions Facing: N
5	"	1025	View of metals & ~~green waste~~ scrap tire recycling areas. Facing: SW
6	"	1029	View of plastics and green waste recycling area. Facing: NW
7	"	10:15	Interior view of transfer station tipping floor Facing: W

Photograph Log

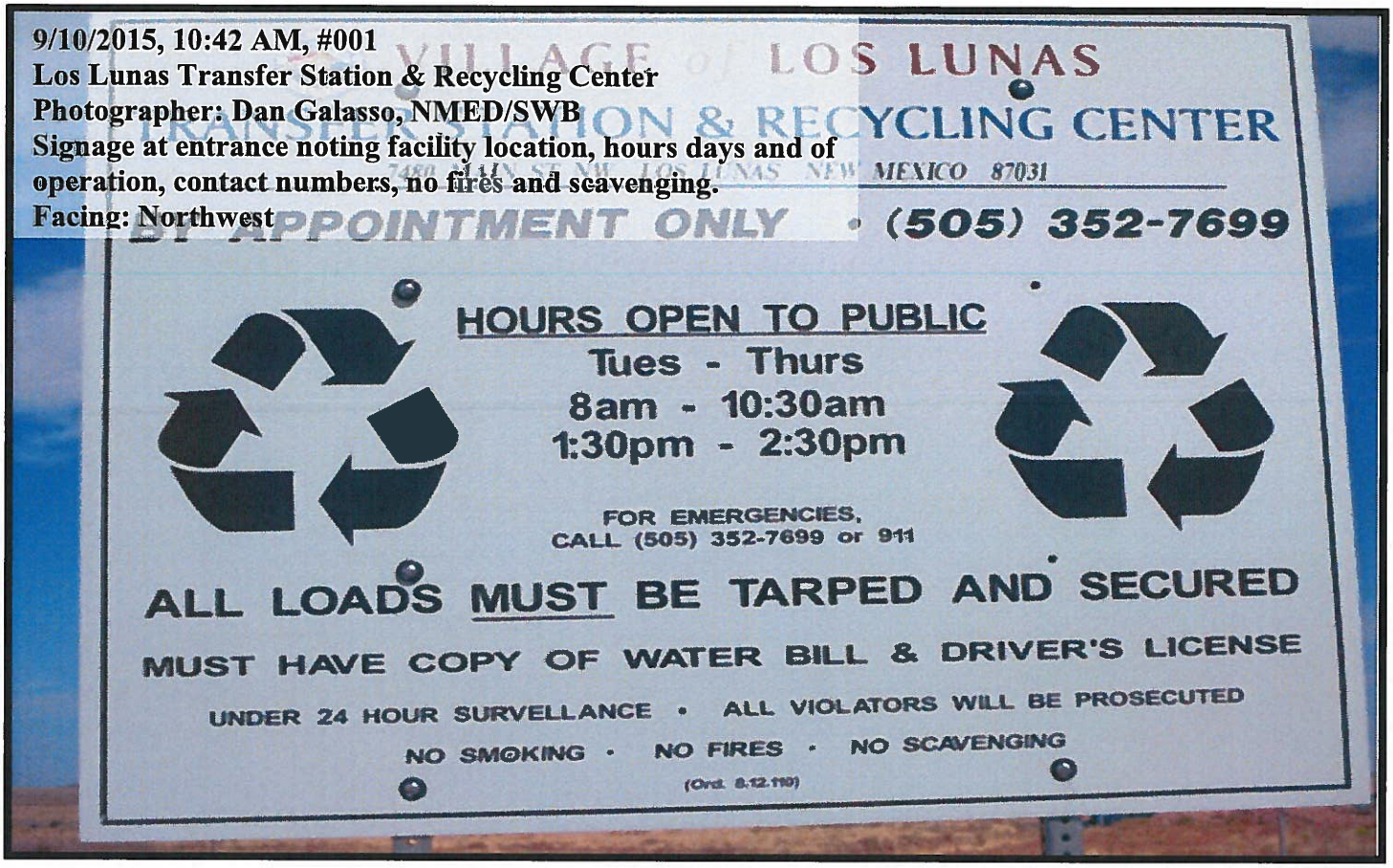
General Information

Facility/ Location: Los Lunas T.S Operator: Village of Los Lunas

Inspection Team: P. Mtz & D. Galasso Photographer: D. Galasso

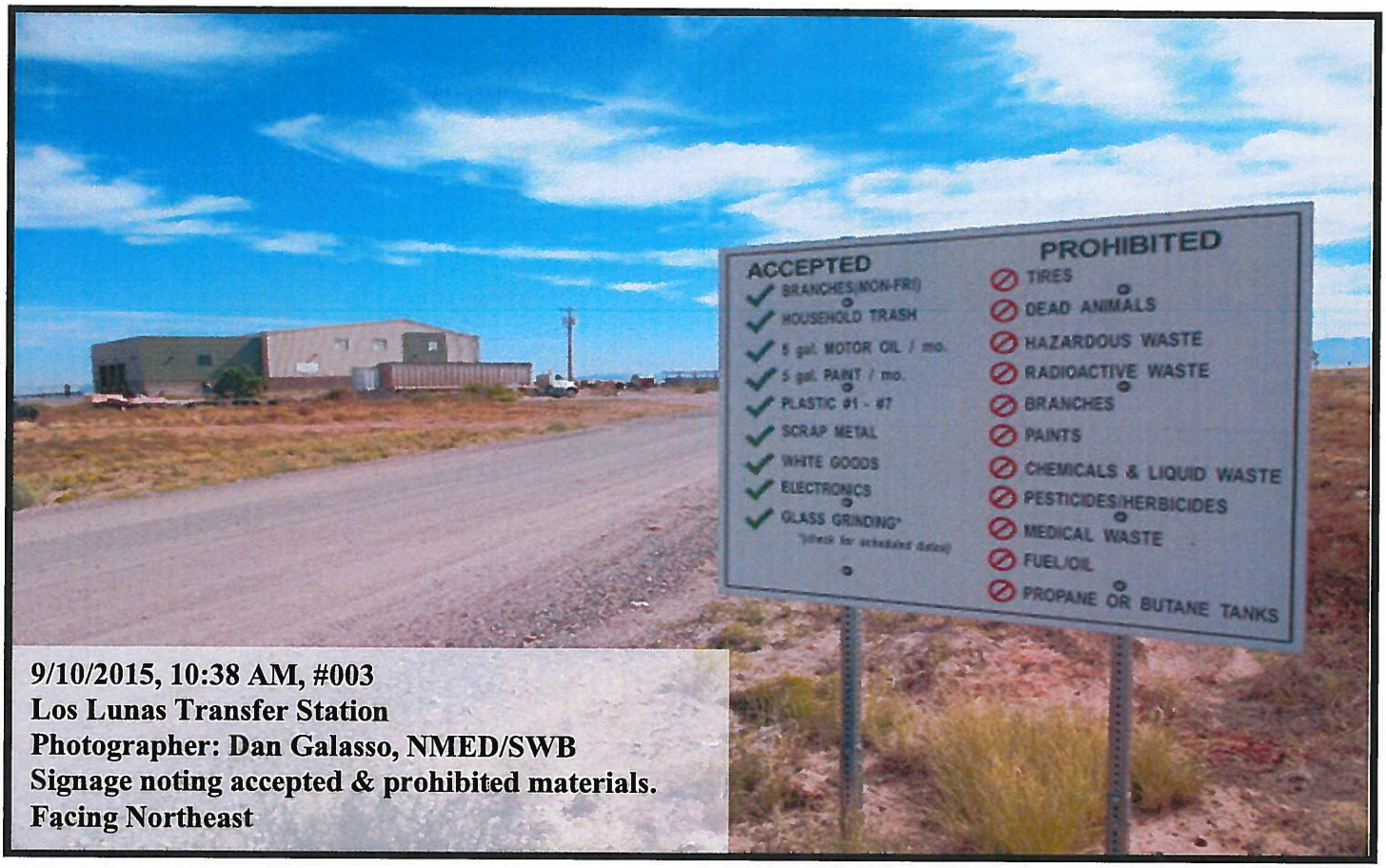
Photographs

Photo No.	Date	Time	Description
8	9/10/15	10:15	Views of crew prepping full trailer for transport to Landfill. Facing: W.
			Facing:
			Facing:
			Facing:
			Facing:
			Facing:

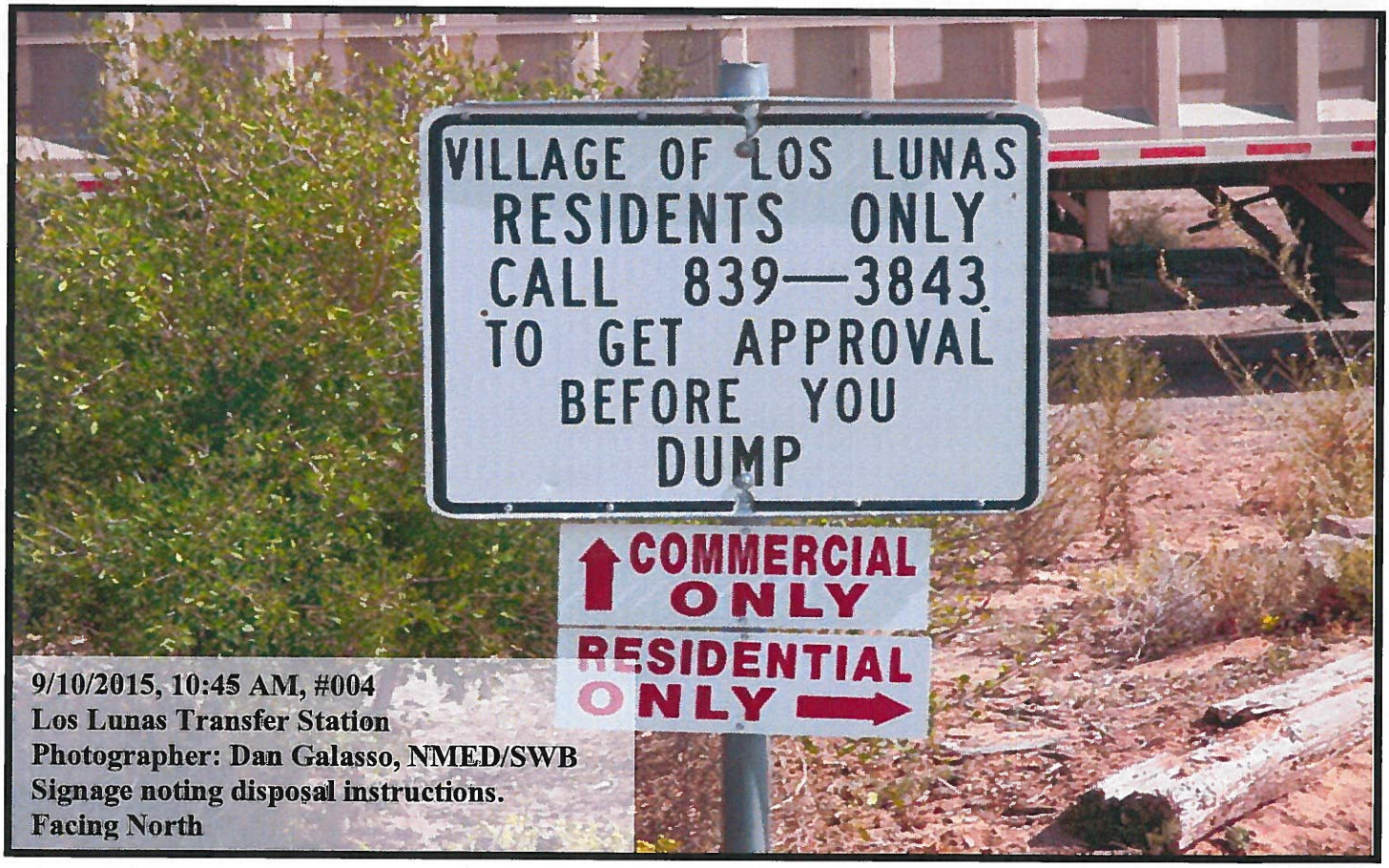


9/10/2015, 10:42 AM, #001
Los Lunas Transfer Station & Recycling Center
Photographer: Dan Galasso, NMED/SWB
Signage at entrance noting facility location, hours days and of operation, contact numbers, no fires and scavenging.
Facing: Northwest

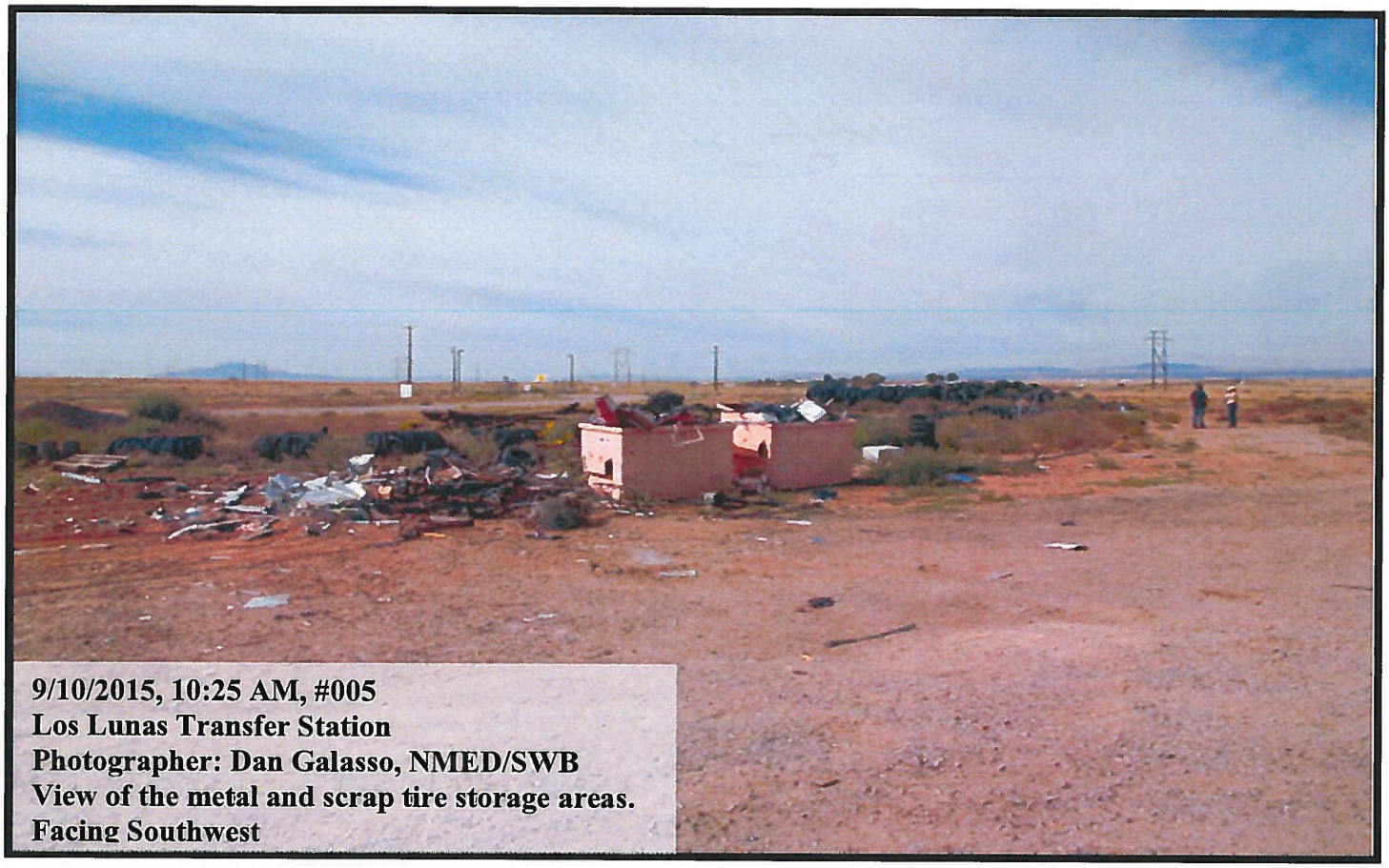
9/10/2015, 10:41 AM, #002
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
Signage on site.
Facing North



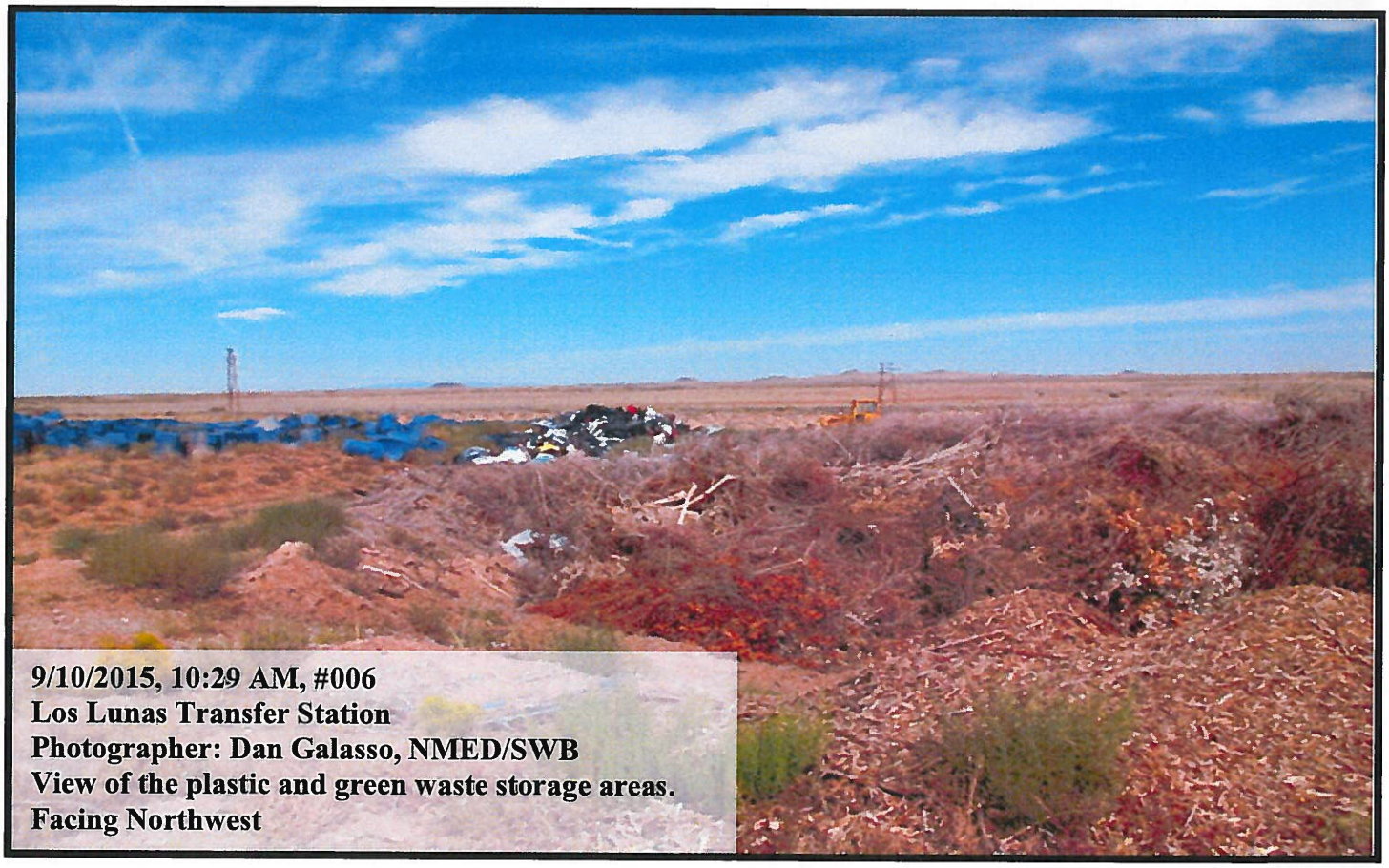
9/10/2015, 10:38 AM, #003
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
Signage noting accepted & prohibited materials.
Facing Northeast



9/10/2015, 10:45 AM, #004
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
Signage noting disposal instructions.
Facing North

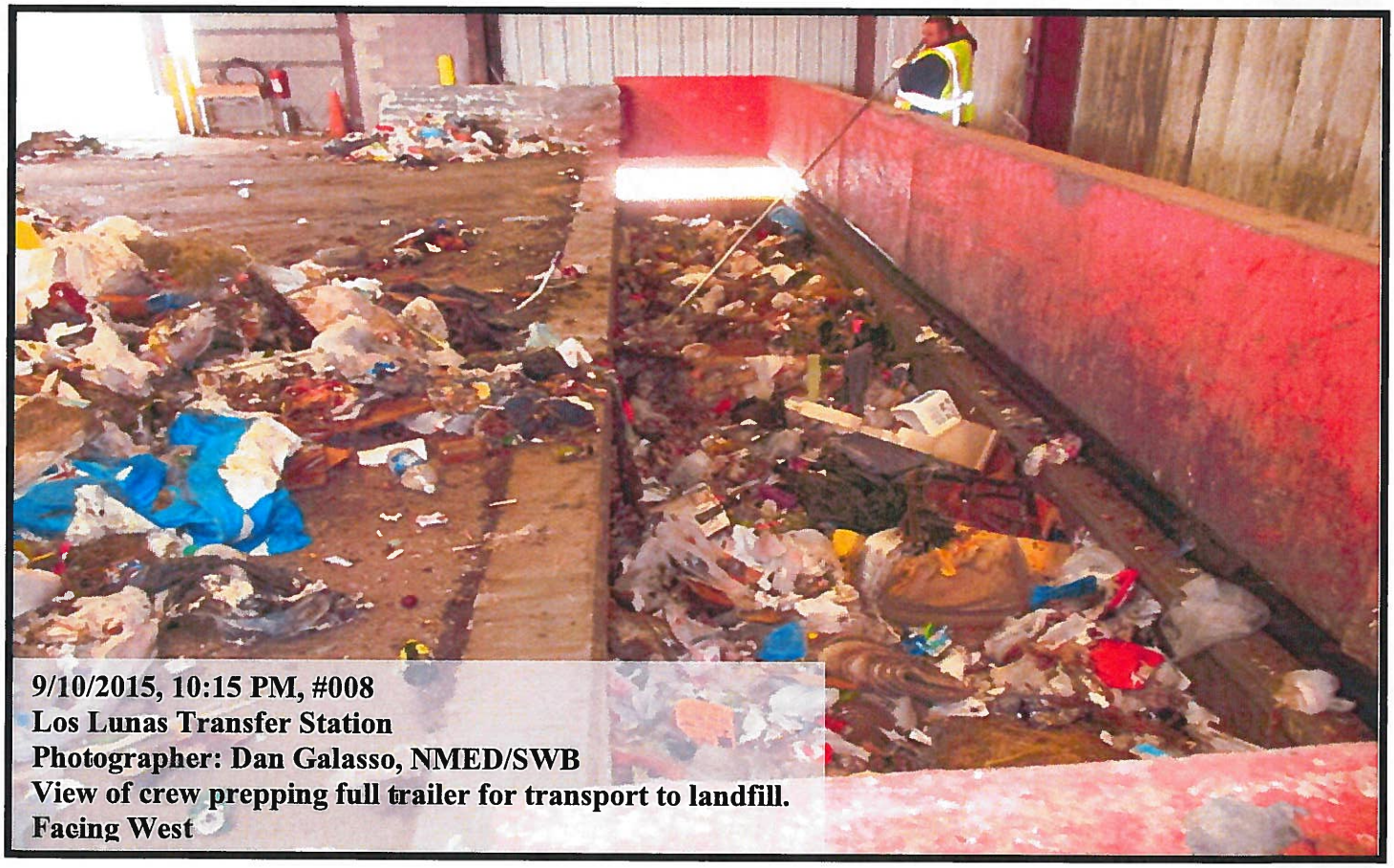


9/10/2015, 10:25 AM, #005
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
View of the metal and scrap tire storage areas.
Facing Southwest



9/10/2015, 10:29 AM, #006
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
View of the plastic and green waste storage areas.
Facing Northwest

9/10/2015, 10:15 PM, #007
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
Interior view of the transfer station tipping floor.
Facing West



9/10/2015, 10:15 PM, #008
Los Lunas Transfer Station
Photographer: Dan Galasso, NMED/SWB
View of crew prepping full trailer for transport to landfill.
Facing West

NEW MEXICO
ENVIRONMENT DEPARTMENT

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BUTCH TONGATE
Cabinet Secretary – Designate

J. C. BORREGO
Deputy Secretary

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
ENTRY NOTIFICATION

Facility Name: Los Lunas Transfer Station

Facility Address: Hwy 6, 3-miles West of I-25, Valencia Cty.
7480 Main St., Los Lunas, NM 87031

This is to notify you that pursuant to New Mexico Solid Waste Act ("SWA"), NMSA 1978, Section 74-9-33, as an authorized representative of the New Mexico Environment Department ("NMED"), I am allowed to enter this facility and/or vehicle at any reasonable time in order to make an inspection or investigation of solid waste management practices.

This is also to notify you that in accordance with the New Mexico Solid Waste Rules ("SWR"), 20.9.2.12 NMAC, as an authorized representative of the NMED, I am authorized to investigate, inspect, enforce, monitor or sample at this facility and/or vehicle.

I have presented you with credentials indicating that I am duly authorized to enforce and administer all laws, rules and regulations within the jurisdiction of the NMED.

Paul Martinez
NMED Authorized Representative

3/14/17.
Date

Facility Representative

3-14-17
Date

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 3/14/2017

FACILITY NAME: Los Lunas Transfer Station

CONTROL #: SWM-320606

REASON FOR INSPECTION:
- [✓] Routine
- [ ] Follow Up
- [ ] Complaint
- [ ] Other
- [ ] Suspected Violation
- [ ] Closure / Post Closure

FACILITY OPERATOR: Village of Los Lunas

DISTRICT: I

FACILITY LOC.: North side of Hwy. 6 3 miles W. of I-25. 7480 Main St.

STATUS: [ ] INTERIM [✓] PERMITTED [ ] CLOSED

PHONE: 505.352.7629

TYPE OF FACILITY: MSW Transfer Station

OPERATING HOURS: By Appt. Only

DAYS OF WEEK: Tue., Wed., Thur.

TYPE OF WASTE HANDLED [✓] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL (Tons) / Cu. Yds. 890 Daily/(Monthly) (circle one)

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter
b. [ ] Roads Maintained
c. [ ] Noise
d. [ ] Vectors
e. [ ] Dust / Odor
f. [ ] Access Controlled
g. [ ] Tipping / Insp. Area
h. [ ] Scavenging Control
i. [ ] Fire Control
j. [ ] Health/Environment Hazard
k. [ ] Compaction
l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours
b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers
d. [ ] Directions to Fill Areas
e. [ ] Fires Prohibited
f. [ ] Scavenging Prohibited
g. [ ] Operation Procedures
h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] Certified
b. [ ] On Site While Open
c. [X] Employees Trained
d. [ ] _____

4. COVER

a. [ ] Daily Applied
b. [ ] Intermediate Applied
c. [ ] Final Cover
d. [ ] Excavating a Closed Cell
e. [ ] Compaction
f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] Methane
b. [ ] Leachate
c. [ ] Ground Water
d. [ ] Unauthorized Waste Analized
e. [ ] Frequency Maintained
f. [ ] Proper Equip./ Test Used
g. [ ] Gas Control
h. [ ] Waste Properly Processed
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] Water Run-on
b. [ ] Water Run-off
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] Special Waste
b. [ ] Hazardous Waste
c. [ ] Infectious Waste
d. [ ] Asbestos
e. [ ] Tires
f. [ ] White Goods
g. [ ] Recyclables
h. [ ] Lead Acid Batteries
i. [ ] Hot Waste
j. [ ] Timely Removal
k. [ ] Ash
l. [ ] Petroleum Contam. Soil
m. [ ] Transfer Stations
n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment
b. [ ] Storage Equipment
c. [ ] Audible Signals
d. [ ] Transport Equipment
e. [ ] Collection Equipment
f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment
h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [ ] Contingency
b. [ ] Operating / Maintenance
c. [ ] Inspection
d. [ ] Disposal Management
e. [ ] Facility Site Plan
f. [ ] Closure / Post Closure
g. [X] Training Programs
h. [ ] Removal - Stored Waste
i. [ ] Ground Water Monitor
j. [ ] Fire Protection & Prevention
k. [ ] Methane Monitoring
l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] Clean-up/Remediation
n. [ ] Leachate Control
o. [ ] Deviation From Plans
p. [X] Annual Reports

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept.
b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures
d. [ ] Times & Dates
e. [ ] Names of Co. & Driver
f. [ ] Vehicle License Number
g. [ ] Vehicle Description
h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other
b. [ ] Area Restricted
c. [ ] Clean Up Assured
d. [ ] Transportation Assured
e. [ ] Disposal Assured
f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results
b. [ ] Paint Filter Test Results
c. [ ] Manifests
d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

Facility: Los Lunas T.S. **Inspector(s): Paul Martinez**

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
i. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
			20.9.5.8.B(2) NMAC - Found / Load Inspection Documentation
3	c.		20.9.5.8.B(7) NMAC - Failure to document that unauthorized training has been conducted upon hiring and at least annually regarding implementation of the C.P.
9	g.p.		20.9.5.16.E NMAC - Failure to provide annual reports for review. The reports are kept at the Administration office and not available for review upon request.
			Out briefing held w/ Jason Montoya. Cert. MOLO - Exp. 01/2019. 3/14/17 @ 2:40 pm.
			Operator: Village of Los Lunas
			C/O: Michael Jaramillo, Public Works Director
			Village of Los Lunas
			660 Main St.
			P.O. Box 1209
			Los Lunas, NM 87031
			Ph.#: 505.352.7629; Email: jaramillom@loslunasnm.gov

Violations MUST BE CORRECTED BY: 4/14/17 **Operator/Rep. Signature:** _____ **Date:** 3-14-17

Follow-up Inspection Due On (Date): _____ **NMED/Rep. Signature:** Paul E. Martinez **Date:** 3/14/17

Distribution White/Original to NMED Yellow to Inspector Pink to Facility

Photograph Log

General Information

Facility/ Location: Los Lunas Transfer Station Operator: Village of Los Lunas

Inspection Team: Paul Martinez Photographer: P. Martinez

Photographs

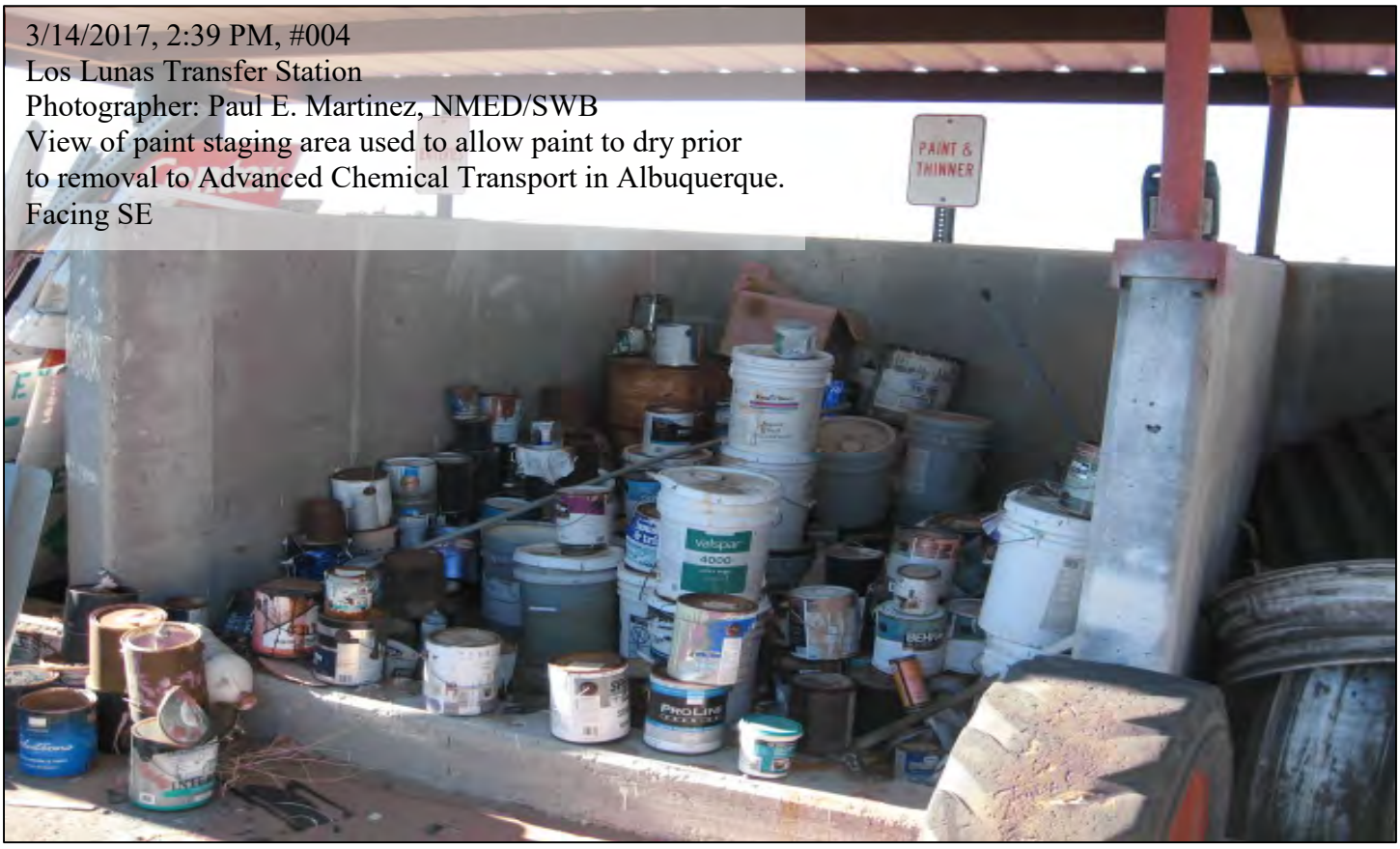
Photo No.	Date	Time	Description
001	3/14/17	2:19 PM	View of tipping floor and baling operation. Facing: W
2	"	2:20	View of tipping floor noting cardboard bale stacked for transport to Fred Sanchez. Facing: SW
3	"	2:36	View of used oil recycling noting secondary containment & overhead protection Facing: S
4	"	2:39	View of paint storage / staging area. Cans are opened and allowed to dry out (in some cases) Facing: If full, are sent to ACT SE
5	"	2:47	View of newly acquired glass crusher and operations. Glass sent to Crowstone Facing: SW
6	"	2:51	View of aluminum recycling storage area. Facing: SE
	"		Facing:

3/14/2017, 2:19 PM, #001
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of tipping floor near bale facility operation.
Facing W

3/14/2017, 2:20 PM, #002
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of tipping floor noting stacked bales
waiting transport to Friedman's Recycling.
Facing SW

3/14/2017, 2:36 PM, #003
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of tipping floor near bale facility operation.
Facing S

3/14/2017, 2:39 PM, #004
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of paint staging area used to allow paint to dry prior
to removal to Advanced Chemical Transport in Albuquerque.
Facing SE



3/14/2017, 2:47 PM, #005
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of glass crushing operation and recently purchased glass crusher.
Facing SW

3/14/2017, 2:51 PM, #006
Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of aluminum recycling storage operation.
Facing SE

NEW MEXICO
ENVIRONMENT DEPARTMENT

Solid Waste Bureau
1190 Saint Francis Drive, Room N-2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469
Telephone: (505) 827-0197 Facsimile: (505) 827-2902
www.env.nm.gov/swb/

SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lt. Governor

BUTCH TONGATE
Cabinet Secretary

J. C. BORREGO
Deputy Secretary

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
ENTRY NOTIFICATION

Facility Name: Los Lunas Transfer Station

Facility Address: 7480 Main St. Los Lunas, NM 87031

This is to notify you that pursuant to New Mexico Solid Waste Act ("SWA"), NMSA 1978, Section 74-9-33, as an authorized representative of the New Mexico Environment Department ("NMED"), I am allowed to enter this facility and/or vehicle at any reasonable time in order to make an inspection or investigation of solid waste management practices.

This is also to notify you that in accordance with the New Mexico Solid Waste Rules ("SWR"), 20.9.2.12 NMAC, as an authorized representative of the NMED, I am authorized to investigate, inspect, enforce, monitor or sample at this facility and/or vehicle.

I have presented you with credentials indicating that I am duly authorized to enforce and administer all laws, rules and regulations within the jurisdiction of the NMED.

Paul Martinez
NMED Authorized Representative

3/22/18
Date

Facility Representative

3-22-18
Date

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 3/22/18 FACILITY NAME: Los Lunas T.S. CONTROL #: SWM-320606

REASON FOR INSPECTION: FACILITY OPERATOR: Village of Los Lunas FACILITY LOC.: 7480 Main St. Los Lunas, NM 87031

[✓] Routine [ ] Follow Up
[ ] Complaint [ ] Other
[ ] Suspected Violation
[ ] Closure / Post Closure

DISTRICT: I

STATUS: [ ] INTERIM [✓] PERMITTED [ ] CLOSED PHONE: (505) 839-5658

TYPE OF FACILITY: MSW Transfer Station OPERATING HOURS: Public: By Appointment Only 7:00-4:00 DAYS OF WEEK: 5 (M-F)

TYPE OF WASTE HANDLED [✓] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL Tons / Cu. Yds. 975 950 Daily/Monthly (circle one)

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter b. [ ] Roads Maintained
c. [ ] Noise d. [ ] Vectors
e. [ ] Dust / Odor f. [ ] Access Controlled
g. [ ] Tipping / Insp. Area h. [ ] Scavenging Control
i. [ ] Fire Control j. [ ] Health/Environment Hazard
k. [ ] Compaction l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers d. [ ] Directions to Fill Areas
e. [ ] Fires Prohibited f. [ ] Scavenging Prohibited
g. [ ] Operation Procedures h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] Certified b. [ ] On Site While Open
c. [ ] Employees Trained d. [ ] _____

4. COVER

a. [ ] Daily Applied b. [ ] Intermediate Applied
c. [ ] Final Cover d. [ ] Excavating a Closed Cell
e. [ ] Compaction f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] Methane b. [ ] Leachate
c. [ ] Ground Water d. [ ] Unauthorized Waste Analyzed
e. [ ] Frequency Maintained f. [ ] Proper Equip./ Test Used
g. [ ] Gas Control h. [ ] Waste Properly Processed
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] Water Run-on b. [ ] Water Run-off
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] Special Waste b. [ ] Hazardous Waste
c. [ ] Infectious Waste d. [ ] Asbestos
e. [ ] Tires f. [ ] White Goods
g. [ ] Recyclables h. [ ] Lead Acid Batteries
i. [ ] Hot Waste j. [ ] Timely Removal
k. [ ] Ash l. [ ] Petroleum Contam. Soil
m. [ ] Transfer Stations n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment b. [ ] Storage Equipment
c. [ ] Audible Signals d. [ ] Transport Equipment
e. [ ] Collection Equipment f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [ ] Contingency b. [ ] Operating / Maintenance
c. [ ] Inspection d. [ ] Disposal Management
e. [ ] Facility Site Plan f. [ ] Closure / Post Closure
g. [ ] Training Programs h. [ ] Removal - Stored Waste
i. [ ] Ground Water Monitor j. [ ] Fire Protection & Prevention
k. [ ] Methane Monitoring l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] Clean-up/Remediation n. [ ] Leachate Control
o. [ ] Deviation From Plans p. [X] Financial Assurance Docs.

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept. b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures d. [ ] Times & Dates
e. [ ] Names of Co. & Driver f. [ ] Vehicle License Number
g. [ ] Vehicle Description h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other b. [ ] Area Restricted
c. [ ] Clean Up Assured d. [ ] Transportation Assured
e. [ ] Disposal Assured f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results b. [ ] Paint Filter Test Results
c. [ ] Manifests d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

Facility: Los Lunas T.S. **Inspector(s):** P. Martinez

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
i. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
9	p		20.9.5.16.A(14) NMAC - Failure to provide financial assurance documentation upon request. The annual report indicates the FA was attached, but was not available. Santa Fe did receive the annual report w/ FA. Mr. Marquez will provide a copy once found.

Outbriefing held with Jason Marquez, T.S. Operator @ 9:55 pm on 3/22/18.
C/o Village of Los Lunas
7480 Main St. NW
P.O. Box 1209
Los Lunas, NM 87031
O: (505) 352-7699
C: " 991-9974 Email: marquezj@loslunas.gov

Violations MUST BE CORRECTED BY: 4/22/18 **Operator/Rep. Signature:** Jason M **Date:** 3-22-18

Follow-up Inspection Due On (Date): _____ **NMED/Rep. Signature:** Paul Martinez **Date:** 3/22/18

Distribution White/Original to NMED Yellow to Inspector Pink to Facility

Photograph Log

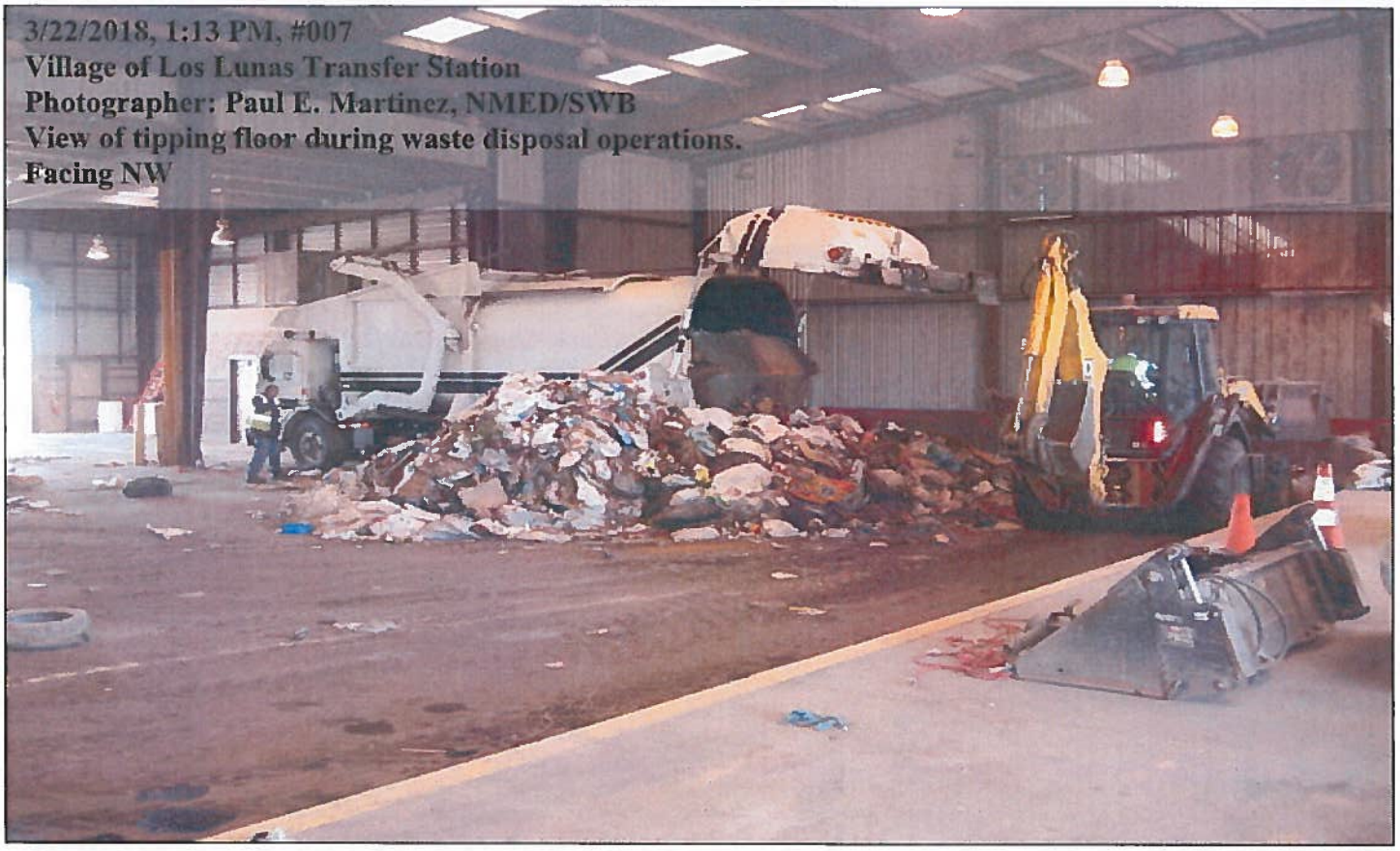
General Information

Facility/ Location: Lashways T.S. Operator: Village of Los Lunas

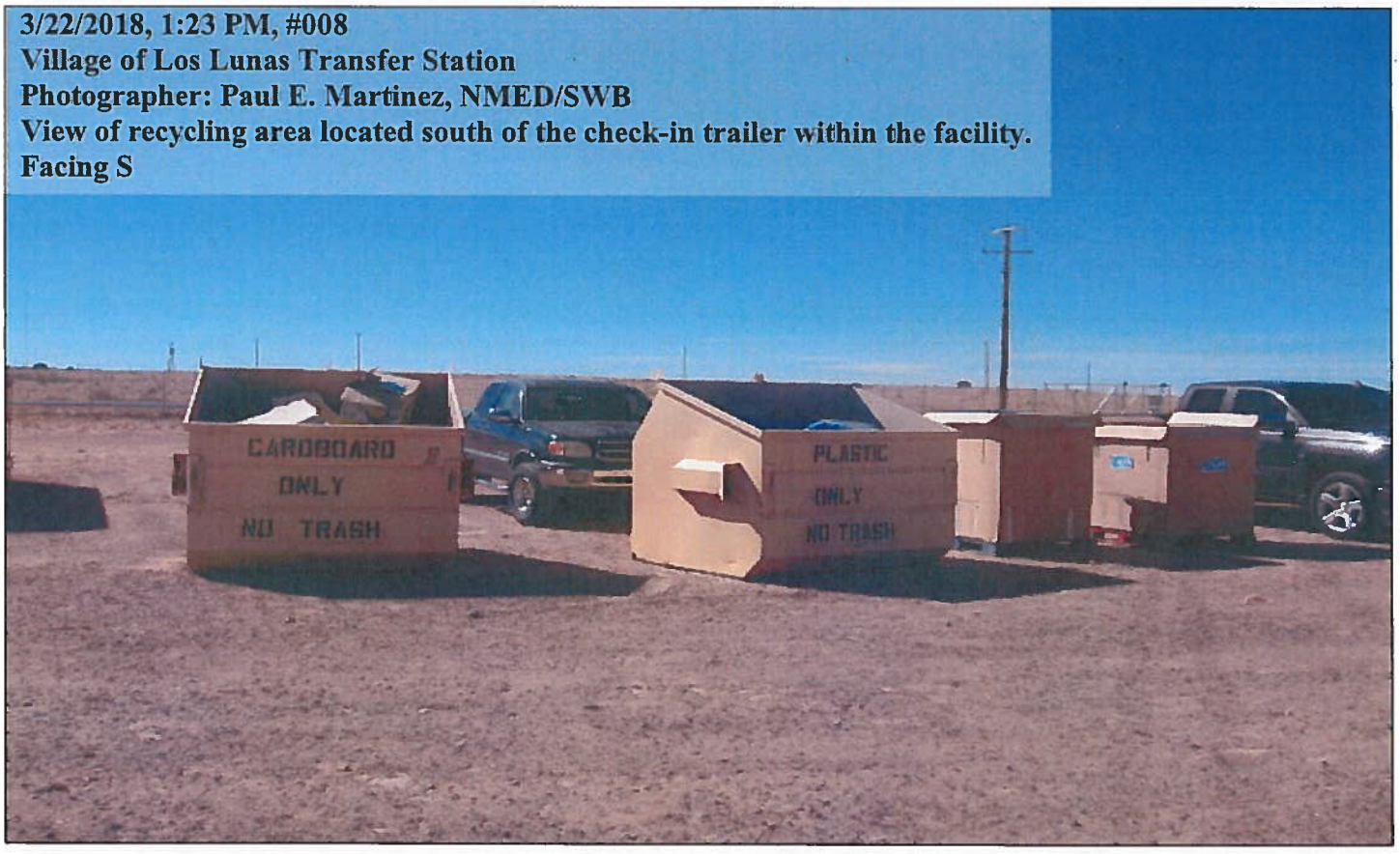
Inspection Team: Paul Martinez Photographer: P. Martinez

Photographs

Photo No.	Date	Time	Description
001	3/22/18	12:33 PM	View of signage at entrance noting name & address of facility, etc. Facing: N
2	"	12:37	View of signage at entrance noting contact & emergency numbers Facing: W
3	"	12:39	Signage noting acceptable & un-authorized materials Facing: E
4	"	1241	Signage noting not no dumping allowed. Facing: N
5	"	1249	Recycling area: tires, metal, white goods, plastics (waste onto). Facing: E
6	"	1251	Recycling storage area (used oil) noting secondary containment. Facing: S
7	"	1:13 PM	Slipping floor during operation Facing: NW
8	"	1:23 PM	Customer recycling drop-off area.

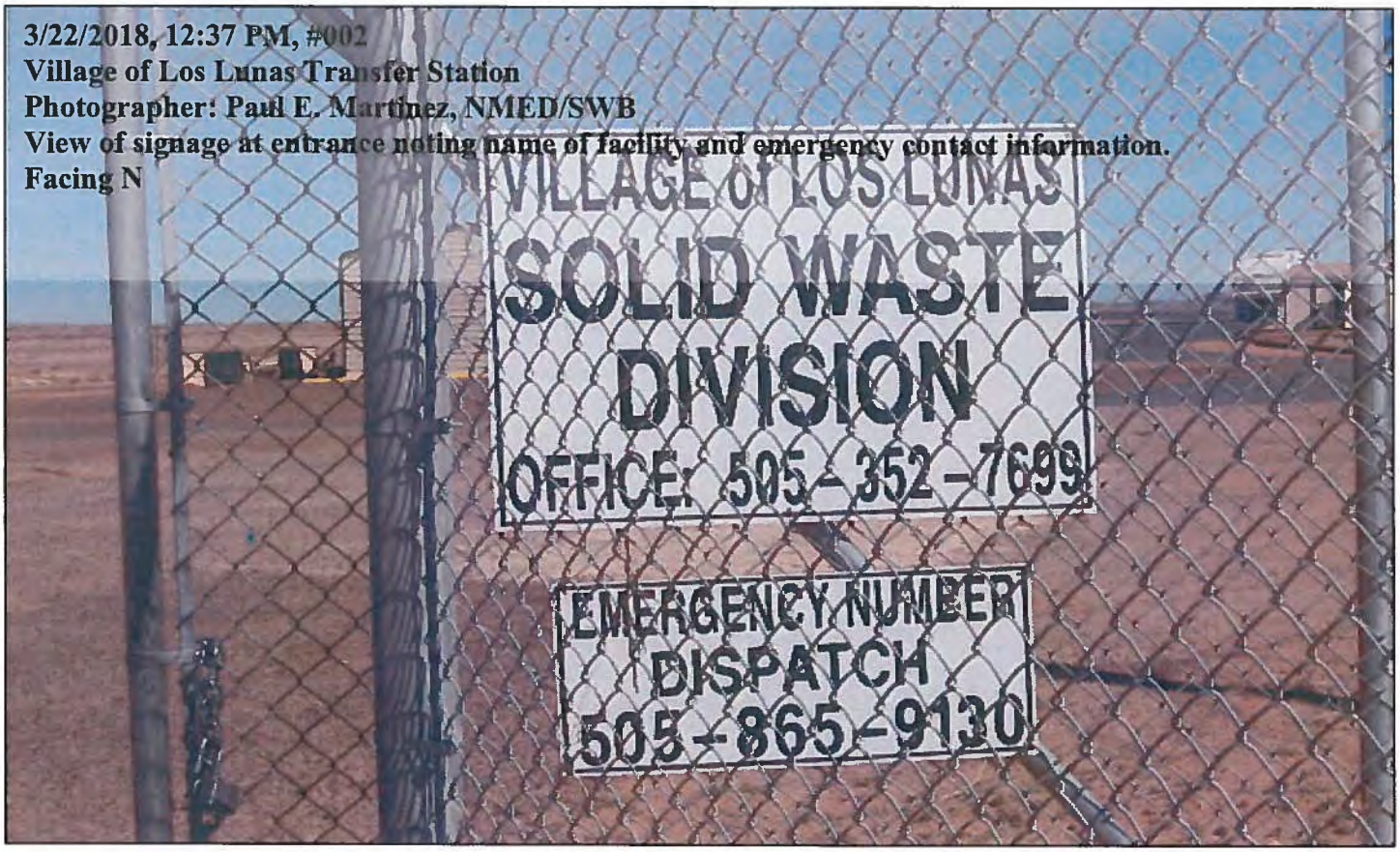


3/22/2018, 1:13 PM, #007
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of tipping floor during waste disposal operations.
Facing NW

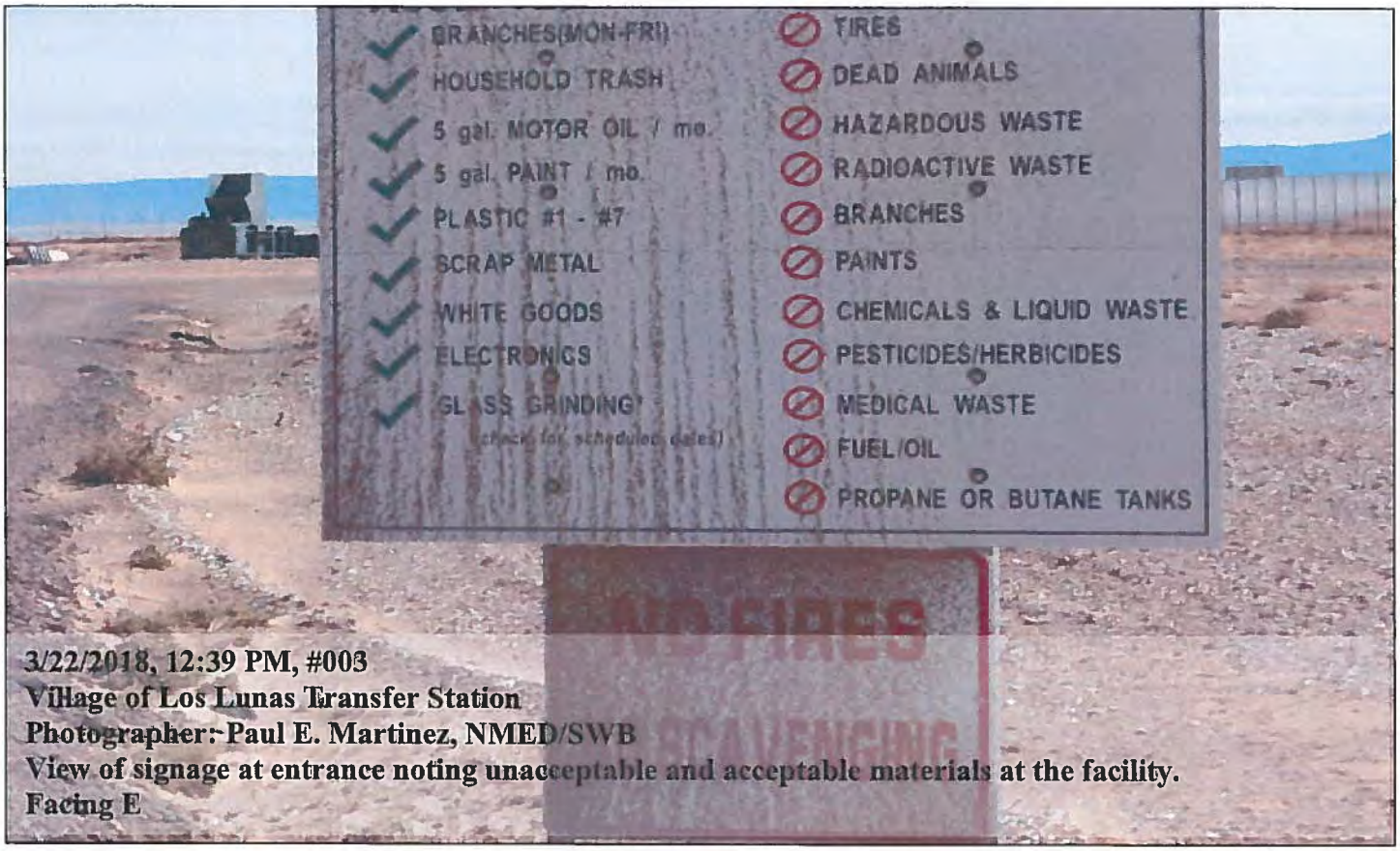


3/22/2018, 1:23 PM, #008
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of recycling area located south of the check-in trailer within the facility.
Facing S

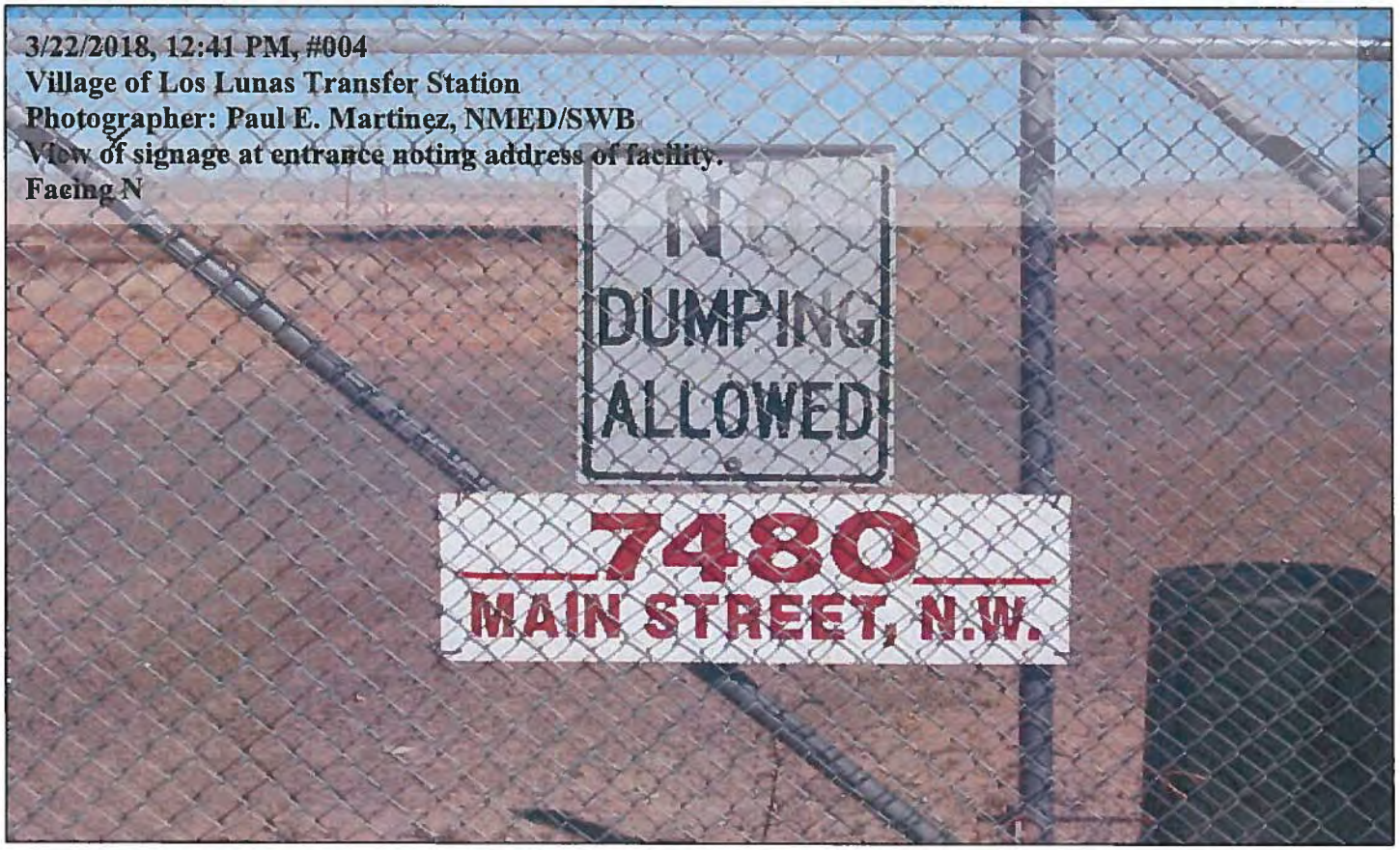
3/22/2018, 12:33 PM, #001
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of signage at entrance noting name and address of facility, days and hours of operation, no fires or scavenging, and emergency contact information.
Facing N



3/22/2018, 12:37 PM, #002
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of signage at entrance noting name of facility and emergency contact information.
Facing N

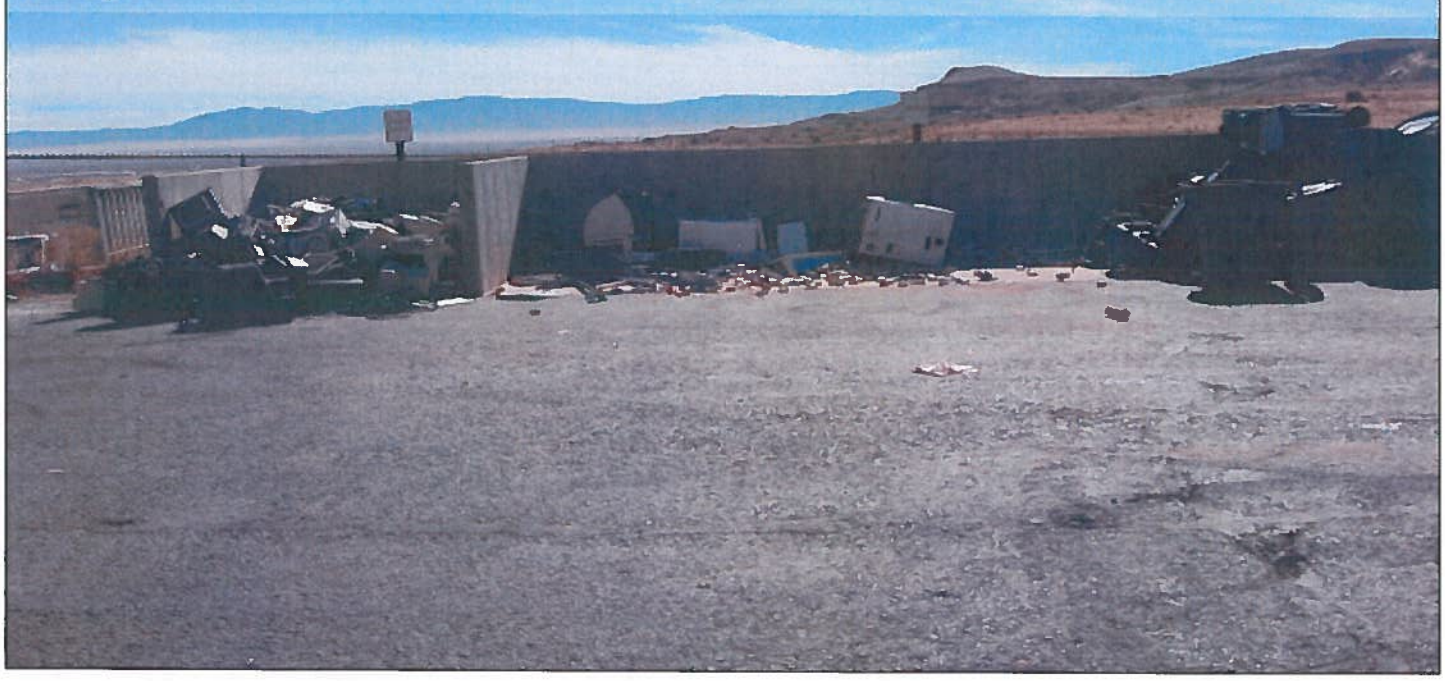


3/22/2018, 12:39 PM, #003
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of signage at entrance noting unacceptable and acceptable materials at the facility.
Facing E

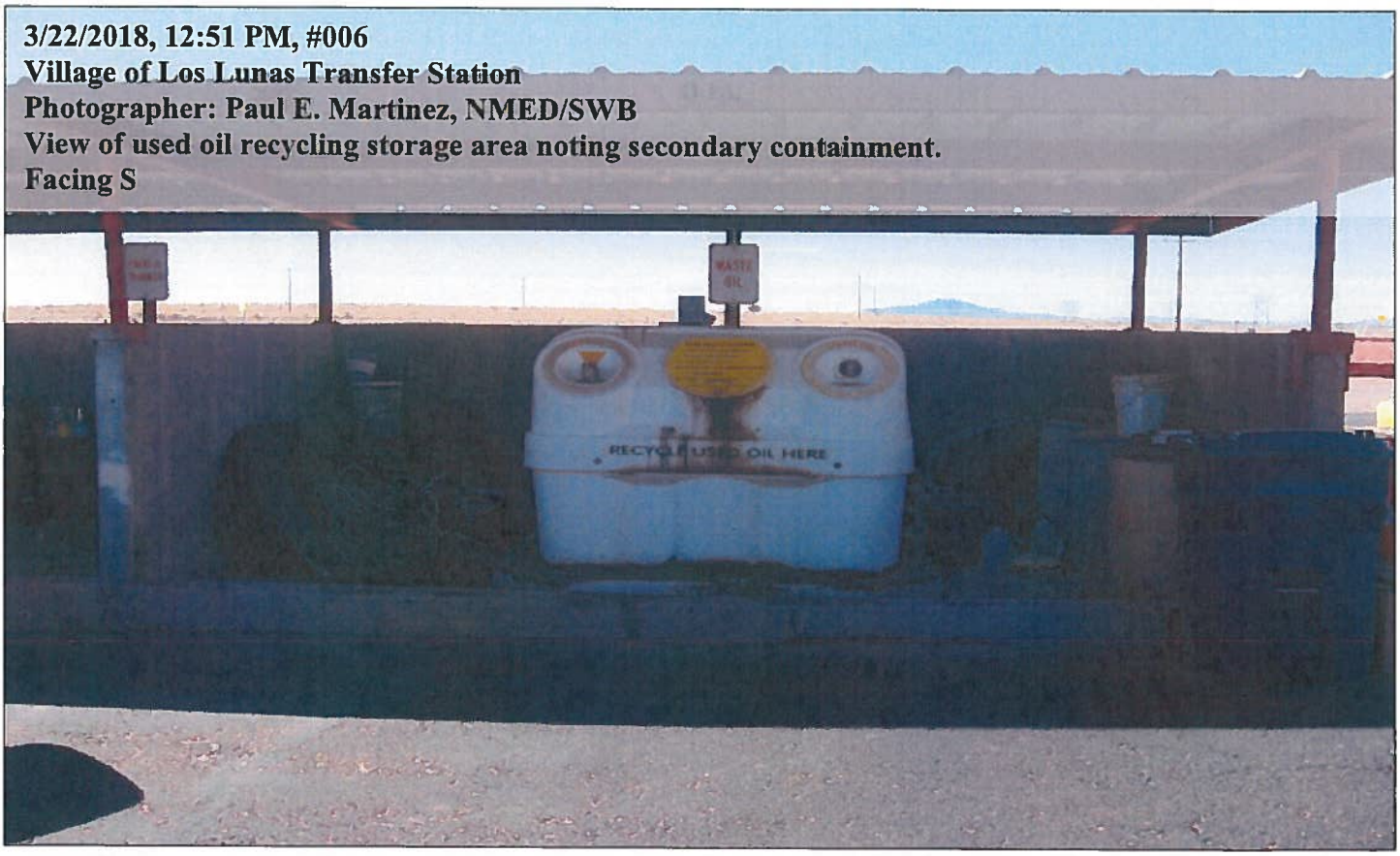


3/22/2018, 12:41 PM, #004
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of signage at entrance noting address of facility.
Facing N

3/22/2018, 12:49 PM, #005
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of recycling storage area noting white goods, metal, and hard plastics.
Facing E



3/22/2018, 12:51 PM, #006
Village of Los Lunas Transfer Station
Photographer: Paul E. Martinez, NMED/SWB
View of used oil recycling storage area noting secondary containment.
Facing S



STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 8/17/2011 FACILITY NAME: Village of Los Lunas Closed Landfill CONTROL #:

REASON FOR INSPECTION: FACILITY OPERATOR: Village of Los Lunas FACILITY LOC.: Los Lunas Transfer Station

[X] Routine [ ] Follow Up DISTRICT: EA-1

[ ] Complaint [ ] Other

[ ] Suspected Violation STATUS: [X] INTERIM [ ] PERMITTED [ ] CLOSED PHONE: 505-352-7629 Village Public Works

[ ] Closure / Post Closure

TYPE OF FACILITY: Closed Landfill OPERATING HOURS: NA DAYS OF WEEK: NA

TYPE OF WASTE HANDLED [X] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL Tons / Cu. Yds. Closed landfill Daily/Monthly (circle one)

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter b. [ ] Roads Maintained
c. [ ] Noise d. [ ] Vectors
e. [ ] Dust / Odor f. [ ] Access Controlled
g. [ ] *Tipping / Insp. Area* h. [ ] Scavenging Control
i. [ ] *Fire Control* j. [ ] *Health/Environment Hazard*
k. [ ] *Compaction* l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers d. [ ] Directions to Fill Areas
e. [ ] Fires Prohibited f. [ ] Scavenging Prohibited
g. [ ] Operation Procedures h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] *Certified* b. [ ] *On Site While Open*
c. [ ] *Employees Trained* d. [ ] _____

4. COVER

a. [ ] *Daily Applied* b. [ ] *Intermediate Applied*
c. [ ] *Final Cover* d. [ ] *Excavating a Closed Cell*
e. [ ] *Compaction* f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] *Methane* b. [ ] Leachate
c. [ ] *Ground Water* d. [ ] *Unauthorized Waste Analized*
e. [ ] Frequency Maintained f. [ ] Proper Equip./ Test Used
g. [ ] *Gas Control* h. [ ] *Waste Properly Processed*
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] *Water Run-on* b. [ ] *Water Run-off*
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] *Special Waste* b. [ ] *Hazardous Waste*
c. [ ] *Infectious Waste* d. [ ] *Asbestos*
e. [ ] Tires f. [ ] White Goods
g. [ ] Recyclables h. [ ] *Lead Acid Batteries*
i. [ ] *Hot Waste* j. [ ] Timely Removal
k. [ ] Ash l. [ ] *Petroleum Contam. Soil*
m. [ ] *Transfer Stations* n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment b. [ ] Storage Equipment
c. [ ] Audible Signals d. [ ] Transport Equipment
e. [ ] Collection Equipment f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [ ] *Contingency* b. [ ] Operating / Maintenance
c. [ ] *Inspection* d. [ ] *Disposal Management*
e. [ ] Facility Site Plan f. [ ] *Closure / Post Closure*
g. [ ] *Training Programs* h. [ ] Removal - Stored Waste
i. [ ] *Ground Water Monitor* j. [ ] *Fire Protection & Prevention*
k. [ ] *Methane Monitoring* l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] *Clean-up/Remediation* n. [ ] *Leachate Control*
o. [ ] *Deviation From Plans* p. [ ] _____

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept. b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures d. [ ] Times & Dates
e. [ ] Names of Co. & Driver f. [ ] Vehicle License Number
g. [ ] Vehicle Description h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other b. [ ] Area Restricted
c. [ ] Clean Up Assured d. [ ] Transportation Assured
e. [ ] Disposal Assured f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results b. [ ] Paint Filter Test Results
c. [ ] Manifests d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

Page 2 SOLID WASTE FACILITY INSPECTION REPORT

Village of Los Lunas
Closed Landfill

Inspector:
Teri Monaghan, EA-1

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
i. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
			No violations.
			Owner: Village of Los Lunas
			Jim Blasing, Director of Public Works.
			PO Box 1209
			Los Lunas, NM 87031
			Phone: 505-352-7629
			Fax: 505-352-3593

Violations MUST BE CORRECTED BY: _____ **Operator/Rep. Signature:** _____ **Date:** 8/17/2011

Follow-up Inspection Due On (Date): _____ **NMED/Rep. Signature:** Teri Monaghan **Date:** 8/17/2011

Distribution White/Original to NMED Yellow to Inspector Pink to Facility SWB-Inspection Rev. 10/96

NEW MEXICO
ENVIRONMENT DEPARTMENT

Environmental Protection Division
Solid Waste Bureau

SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

1190 St. Francis Drive, Room S2050
P.O. Box 5469
Santa Fe, New Mexico 87502-5469
Telephone (505) 827-0197
Fax (505) 827-2902
www.nmenv.state.nm.us

DAVE MARTIN
Secretary
BUTCH TONGATE
Acting Deputy Secretary

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
ENTRY NOTIFICATION

Facility Name: Village of Los Lunas Transfer Station & Closed LF

Facility Address: Hwy 6 - 3-miles W. of I-25 / Valencia Co. NM

This is to notify you that under Section 74-9-33 of the New Mexico Solid Waste Act, as an authorized representative of the New Mexico Environment Department (NMED), I am allowed to enter this facility and/or vehicle at any reasonable time in order to make an inspection or investigation of solid waste management practices.

This is also to notify you that in accordance with the New Mexico Solid Waste Rules, 20.9.2.12 NMAC, as an authorized representative of the NMED, I am authorized to investigate, inspect, enforce, monitor or sample at this facility and/or vehicle.

I have presented you with credentials indicating that I am duly authorized to enforce and administer all laws, rules and regulations within the jurisdiction of the NMED.

Jen Mona — 8/17/2011
NMED Authorized Representative — Date

[signature] — 8-17-2011
Facility Representative — Date

Photograph Log

General Information

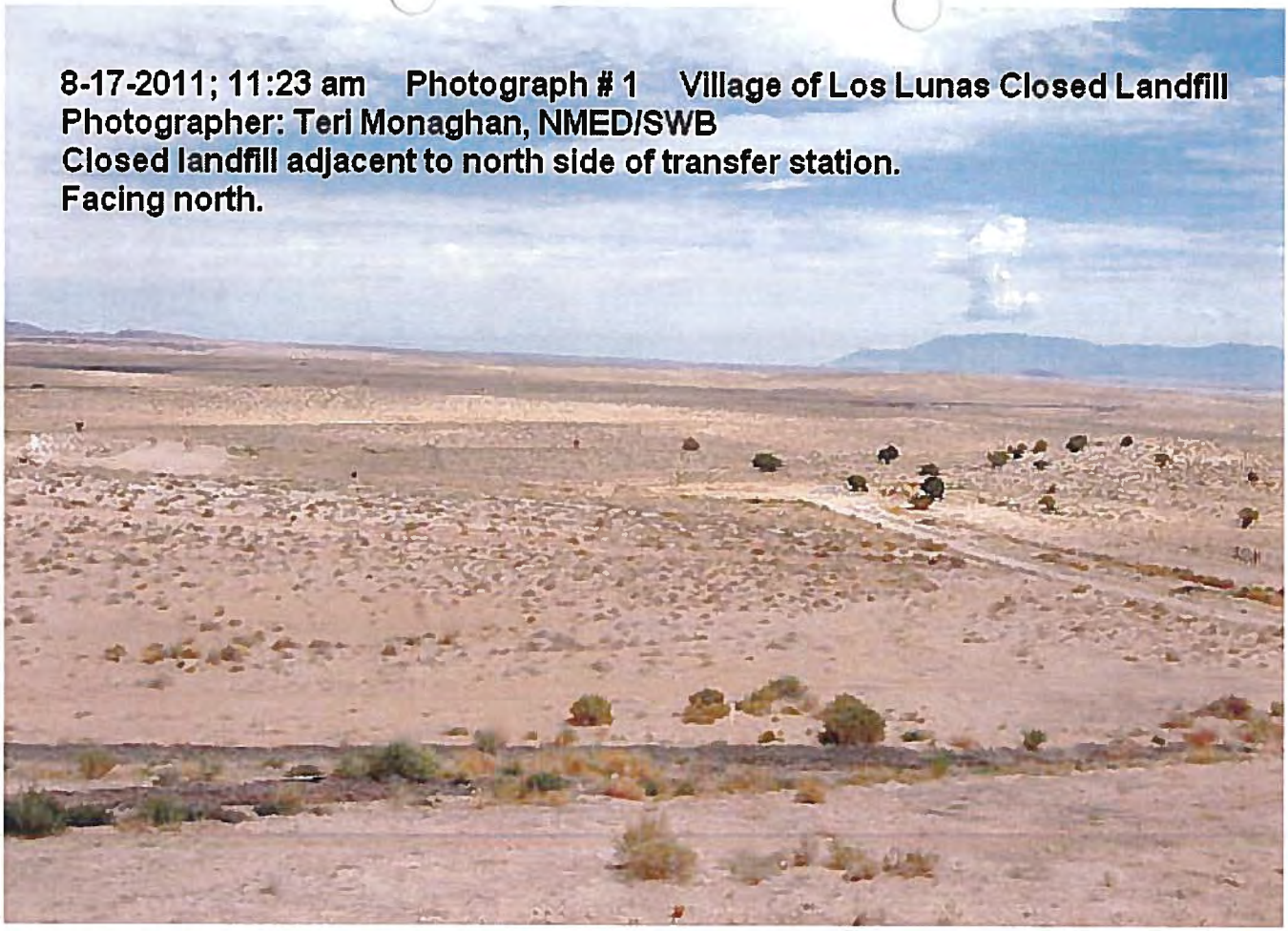
Facility or Location: Village of Los Lunas Closed Landfill Operator: Village of Los Lunas

Inspection Team: T. Monaghan Photographer (Print): T. Monaghan

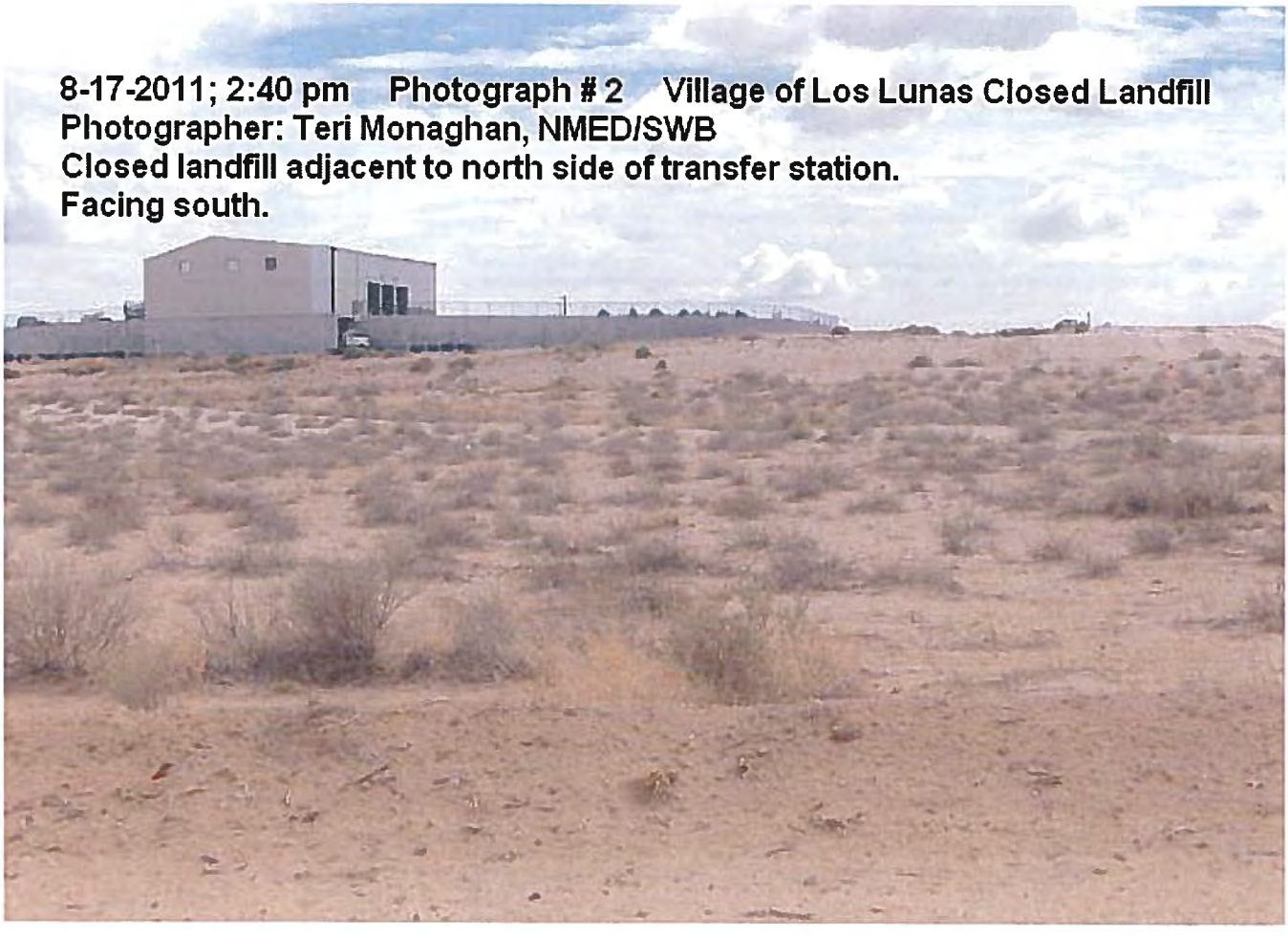
Photographs

Inspection Number	Photograph Number	Date	Time	Description
	1	8/17/2011	11:23 am	Closed landfill as viewed from the adjacent Transfer station, Facing North.
	2	8/17/2011	2:40pm	Closed landfill as viewed from the north side looking back a TS. Facing south.
	end.			

8-17-2011; 11:23 am Photograph # 1 Village of Los Lunas Closed Landfill
Photographer: Teri Monaghan, NMED/SWB
Closed landfill adjacent to north side of transfer station.
Facing north.



8-17-2011; 2:40 pm Photograph # 2 Village of Los Lunas Closed Landfill
Photographer: Teri Monaghan, NMED/SWB
Closed landfill adjacent to north side of transfer station.
Facing south.



8/17/2011 Teri Monaghan

Los Lunas Transfer Station arrive 10:00 am

Photo Log

Photo #	Time	Direction Facing	Description
1	10:09 a	N	Posted signage at entrance gate "By appointment Only"
2	10:09	NE	TS + Recycling Center Operating Hours posted signage Mon Thru Fri 9am to 4 pm times not posted in black Saturdays 10 am to 3 pm In case of emergency call 865-9130
3	10:10	N	Posted signage Residents Only "Call 839-3843 to set approval before you dump"
4	10:18	NE	~~Set~~ View of TS from S side entrance stored blue recycle bins + baled tires pile of brush
5 + 6	10:22	N	Posted signage w/ directional arrows at Y into + out of TS.
7	11:06	W	Inside TS stockpiled cardboard + baler at SW corner; compactor waste drop door @ 3 + cardboard/recycle drop off at door 1
8	11:14	SW	SW corner baler + stockpiled card board
9	11:14	W	Jason moving waste on tipping floor
10	11:17	SE	Stockpiled bales on E side of TS property (9) plastics + (29) cardboard
11	11:21	S	recyclable stored w/in 2° containment + covered
12 closed LF	11:23	N	closed LF
13	2:40	S	from closed LF - N. side looking back at TS.

8/17/2011 Los Lunas Closed Landfill

Teri Monaghan, EA-1

Photo 1 11:23a Facing N from TS overlooking closed LF.

Photo 2 closed LF

#2:39p Looki Facing S. from N edge of LF; integrity of cover - looking back towards TS / Tunnel. good.

No violations.

monthly monitoring data revieved w/ TS inspection.

Inspected w/ Jason Marquez, TS operator.

Maintaining stormwater run-off & erosion control.

RECEIVED

FEB 17 2010

SOLID WASTE BUREAU

FILE
Via E-Mail-CF

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 2/15/2010

FACILITY NAME: Village of Los Lunas Transfer Station + Recycling Center

CONTROL #: SWM-320606

REASON FOR INSPECTION:

- [x] Routine
- [ ] Follow Up
- [ ] Complaint
- [ ] Other
- [ ] Suspected Violation
- [ ] Closure / Post Closure

FACILITY OPERATOR: Village of Los Lunas

FACILITY LOC.: 3 miles west of I-25 on north side of Hwy 6.

DISTRICT: EA-I

STATUS: [ ] INTERIM [x] PERMITTED [ ] CLOSED

PHONE: 505-363-8427 Supervisor Bob McQueen

TYPE OF FACILITY: Permitted Transfer Station/Recycling Center

OPERATING HOURS: 7:15-11:00 am 1:15-3:00 pm

DAYS OF WEEK: M-F S+S com. only.

TYPE OF WASTE HANDLED [x] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL (Tons / Cu. Yds.) 80-100 (Daily/Monthly (circle one))

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter
b. [ ] Roads Maintained
c. [ ] Noise
d. [ ] Vectors
e. [ ] Dust / Odor
f. [ ] Access Controlled
g. [ ] Tipping / Insp. Area
h. [ ] Scavenging Control
i. [ ] Fire Control
j. [ ] Health/Environment Hazard
k. [ ] Compaction
l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours
b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers
d. [ ] Directions to Fill Areas
e. [ ] Fires Prohibited
f. [ ] Scavenging Prohibited
g. [ ] Operation Procedures
h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] Certified
b. [ ] On Site While Open
c. [ ] Employees Trained
d. [ ] _____

4. COVER

a. [ ] Daily Applied
b. [ ] Intermediate Applied
c. [ ] Final Cover
d. [ ] Excavating a Closed Cell
e. [ ] Compaction
f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] Methane
b. [ ] Leachate
c. [ ] Ground Water
d. [ ] Unauthorized Waste Analized
e. [ ] Frequency Maintained
f. [ ] Proper Equip./ Test Used
g. [ ] Gas Control
h. [ ] Waste Properly Processed
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] Water Run-on
b. [ ] Water Run-off
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] Special Waste
b. [ ] Hazardous Waste
c. [ ] Infectious Waste
d. [ ] Asbestos
e. [ ] Tires
f. [ ] White Goods
g. [ ] Recyclables
h. [ ] Lead Acid Batteries
i. [ ] Hot Waste
j. [ ] Timely Removal
k. [ ] Ash
l. [ ] Petroleum Contam. Soil
m. [ ] Transfer Stations
n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment
b. [ ] Storage Equipment
c. [ ] Audible Signals
d. [ ] Transport Equipment
e. [ ] Collection Equipment
f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment
h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [ ] Contingency
b. [ ] Operating / Maintenance
c. [ ] Inspection
d. [ ] Disposal Management
e. [ ] Facility Site Plan
f. [ ] Closure / Post Closure
g. [ ] Training Programs
h. [ ] Removal - Stored Waste
i. [ ] Ground Water Monitor
j. [ ] Fire Protection & Prevention
k. [ ] Methane Monitoring
l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] Clean-up/Remediation
n. [ ] Leachate Control
o. [ ] Deviation From Plans
p. [ ] _____

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept.
b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures
d. [ ] Times & Dates
e. [ ] Names of Co. & Driver
f. [ ] Vehicle License Number
g. [ ] Vehicle Description
h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other
b. [ ] Area Restricted
c. [ ] Clean Up Assured
d. [ ] Transportation Assured
e. [ ] Disposal Assured
f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results
b. [ ] Paint Filter Test Results
c. [ ] Manifests
d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

Facility: Village of Los Lunas Transfer Station & Recycling Center **Inspector(s): Teri Monaghan**

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
i. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
			No violations.

NOTES:

1. - Traffic signs to route traffic into and out of the facility were not posted. The facility operator and site supervisor stated that the signs were on order and that a delay has occurred in getting them due to local resources scheduling and availability;
2. - Hours of daily operation for public use are not listed on the facility signage posted at the entry gate.
3. - Contingency Plan - Documented annual training for each employee on when and how to implement the contingency plan was not available; nor was documented training available for new hires.

Certified Operators Information:
Certified Transfer Station Operators certificates posted for Duane D. Campos (expires Jan. 3, 2012) and Marcus G. Montoya (training date June 17-19, 2008).

Facility Operator Contact Information:

Betty Behrend, Public Works Director	Bob McQueen, Solid Waste Supervisor
Village of Los Lunas	Same mailing address
P.O. Box 1209	Phone: 505-363-8427
Los Lunas, NM 87031	Fax: 505-352-3587
Phone: 505-480-5703	Marcus Montoya, Certified Operator
Fax: 505-352-3580	Phone: 505-363-9806

Facility GPS Reading: N 34.82238° ; W 106.82767°

* * Inspection report not signed day of inspection due to time constraints for completing report and nightly closing of facility. Conducted out brief with Marcus Montoya (Certified Operator) and Bob McQueen (Supervisor) to discuss the above noted items.
Faxed completed inspection report to Ms. Behrend and Mr. McQueen 2/17/2010.

Violations MUST BE CORRECTED BY: _____ **Operator/Rep. Signature:** * _____ **Date:** *

Follow-up Inspection Due On (Date): _____ **NMED/Rep. Signature:** Teri Monaghan **Date:** 2/17/2010

Distribution White/Original to NMED Yellow to Inspector Pink to Facility SWB-Inspection Rev. 10/98

NEW MEXICO
ENVIRONMENT DEPARTMENT

Solid Waste Bureau

BILL RICHARDSON
Governor
DIANE DENISH
Lieutenant Governor

Harold Runnels Building – Room 2050
1190 St Francis Dr.
PO Box 5469, Santa Fe, NM 87502-5469
Phone (505) 827-0197 Fax (505) 827-2902
www.nmenv.state.nm.us

RON CURRY
Secretary
JON GOLDSTEIN
Deputy Secretary

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
ENTRY NOTIFICATION

Facility Name: Village of Los Lunas Transfer Station & Recycling Center

Facility Address: N. side of Hwy 6; 3 miles W. of I-25

This is to notify you that under Section 74-9-33 of the New Mexico Solid Waste Act, as an authorized representative of the New Mexico Environment Department (NMED), I am allowed to enter this facility and/or vehicle at any reasonable time in order to make an inspection or investigation of solid waste management practices.

This is also to notify you that in accordance with the New Mexico Solid Waste Rules, 20.9.2.12 NMAC, as an authorized representative of the NMED, I am authorized to investigate, inspect, enforce, monitor or sample at this facility and/or vehicle.

I have presented you with credentials indicating that I am duly authorized to enforce and administer all laws, rules and regulations within the jurisdiction of the NMED.

Jill Mona — 2/15/2010
NMED Authorized Representative — Date

Monique D. Martinez — 2-15-2010
Facility Representative — Date

GARY E. JOHNSON
Governor

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502-6110
Telephone (505) 827-2855
Fax: (505) 827-2836

PETER MAGGIORE
Secretary

Certified Mail - Return Receipt Requested No. Z 140 880 598

February 25, 2000

Betty Behrend, Utilities Director
Village of Los Lunas
P.O. Box 1209
Los Lunas, New Mexico 87031

Re: Notice of Inspection – Los Lunas Transfer Station

Dear Ms. Behrend:

On February 17, 2000, the Department conducted an inspection of the Los Lunas Transfer Station to determine compliance with the New Mexico Solid Waste Management Regulations (20 NMAC 9.1). The following violations were observed:

1. There were no posted signs at the facility. Section 401.B.2 requires the facility operator to post signs to indicate the location of the site (name of the facility), the days/hours of operation, emergency telephone numbers, to provide disposal instructions, and to state that fires and scavenging are prohibited.

2. There was no implemented plan on-file at the facility to inspect loads to detect and prevent disposal of unauthorized waste. Section 401.B.4 requires the facility operator to implement a plan approved by the Secretary to inspect loads to detect and prevent the disposal of regulated hazardous and unauthorized waste.

3. There was no implemented training plan for the facility's employees in the identification of unauthorized waste. Section 401.B.4(d) requires the facility operator to implement a training program for the facility's employees in the identification of unauthorized waste, including hazardous waste and polychlorinated biphenyls (PCBs).

4. No documented waste screening inspections were conducted at the facility. Attachment "A" of the facility's permit provides an example of a load inspection sheet to be used for such inspections. Section 401.B.5 requires the facility operator to maintain written records of all inspections, signed by the inspector and the commercial hauler, and containing the date and time of inspection, name of transportation company and driver, truck license and truck description, source (origin) of the waste, and any pertinent observations made during the inspection.

5. The facility's contingency plan, as included in the facility's permit, indicates that on-site personnel will receive emergency response training. The on-site operator advised he received no such training. Section 212.I states that any terms or conditions of the permit shall be enforceable to the same extent as a regulation of the Environmental Improvement Board.

6. The facility's contingency plan failed to describe arrangements with local emergency response agencies, failed to include an evacuation plan indicating the routes of evacuation, and did not indicate when the plan must be amended—although this was included in the narrative portion of the facility's permit. Section 811.D.2 requires the contingency plan to describe arrangements with local police departments, fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services. Section 811.D.5 requires the contingency plan to include an evacuation plan for the facility personnel, which must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes in cases where the primary routes could be blocked by fire or releases of hazardous waste. Section 811.D.8 requires the contingency plan to indicate when the plan will be amended and lists the conditions that require amendment of the plan.

The Department is seeking your voluntary cooperation in the immediate correction of these violations. Please respond in writing as to what action you have taken or plan to take to correct the violations. Send your response to George W. Akeley Jr., Compliance Monitoring & Enforcement Section, Solid Waste Bureau, District I, 4131 Montgomery Blvd. N.E., Albuquerque, New Mexico 87109.

If you have any questions regarding the inspection (report form attached) or the conditions of this letter, please call me at (505) 841-9469.

Sincerely,

George W. Akeley Jr., Environmental Specialist
Compliance Monitoring & Enforcement Section
Solid Waste Bureau

Enclosure - Inspection Form

cc: Charles A. Hules, Manager, CM&ES, Solid Waste Bureau
William Bartels, Manager, District I, NMED

RECEIVED
FEB 18 2000
SOLID WASTE BUREAU

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 2/17/00 FACILITY NAME: Los Lunas Transfer Station CONTROL #: SNM 320606

REASON FOR INSPECTION: FACILITY OPERATOR: Village FACILITY LOC.: Hwy 6, Approx. 3½ Miles West of Los Lunas

[X] Routine [ ] Follow Up DISTRICT: I
[ ] Complaint [ ] Other
[ ] Suspected Violation STATUS: [ ] INTERIM [X] PERMITTED [ ] CLOSED PHONE: (505) 865-1377
[ ] Closure / Post Closure

TYPE OF FACILITY: Transfer Station OPERATING HOURS: 9-4 10-3 DAYS OF WEEK: M-F Sat.

TYPE OF WASTE HANDLED [X] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL Tons / (Cu. Yds.) 83.46 (Daily/Monthly (circle one))

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter b. [ ] Roads Maintained
c. [ ] Noise d. [ ] Vectors
e. [ ] Dust / Odor f. [ ] Access Controlled
g. [ ] *Tipping / Insp. Area* h. [ ] Scavenging Control
i. [ ] *Fire Control* j. [ ] *Health/Environment Hazard*
k. [ ] *Compaction* l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [X] Operating Days/Hours b. [ ] Loading/Unloading Area
c. [X] Emergency Numbers d. [ ] Directions to Fill Areas
e. [X] Fires Prohibited f. [X] Scavenging Prohibited
g. [ ] Operation Procedures h. [ ] Bldg./ Warning / Visible
i. [X] Location / Disposal Instructions

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] *Certified* b. [ ] *On Site While Open*
c. [ ] *Employees Trained* d. [ ] _____

4. COVER

a. [ ] *Daily Applied* b. [ ] *Intermediate Applied*
c. [ ] *Final Cover* d. [ ] *Excavating a Closed Cell*
e. [ ] *Compaction* f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] *Methane* b. [ ] Leachate
c. [ ] *Ground Water* d. [ ] *Unauthorized Waste Analized*
e. [ ] Frequency Maintained f. [ ] Proper Equip./ Test Used
g. [ ] *Gas Control* h. [ ] *Waste Properly Processed*
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] *Water Run-on* b. [ ] *Water Run-off*
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] *Special Waste* b. [ ] *Hazardous Waste*
c. [ ] *Infectious Waste* d. [ ] *Asbestos*
e. [ ] Tires f. [ ] White Goods
g. [ ] Recyclables h. [ ] *Lead Acid Batteries*
i. [ ] *Hot Waste* j. [ ] Timely Removal
k. [ ] Ash l. [ ] *Petroleum Contam. Soil*
m. [ ] *Transfer Stations* n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment b. [ ] Storage Equipment
c. [ ] Audible Signals d. [ ] Transport Equipment
e. [ ] Collection Equipment f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [X] *Contingency* b. [ ] Operating / Maintenance
c. [X] *Inspection* d. [ ] *Disposal Management*
e. [ ] Facility Site Plan f. [ ] *Closure / Post Closure*
g. [X] *Training Programs* h. [ ] Removal - Stored Waste
i. [ ] *Ground Water Monitor* j. [ ] *Fire Protection & Prevention*
k. [ ] *Methane Monitoring* l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] *Clean-up/Remediation* n. [ ] *Leachate Control*
o. [ ] *Deviation From Plans* p. [ ] _____

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept. b. [X] Source/Type/Volume of Wste.
c. [X] Signatures d. [X] Times & Dates
e. [X] Names of Co. & Driver f. [X] Vehicle License Number
g. [X] Vehicle Description h. [X] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other b. [ ] Area Restricted
c. [ ] Clean Up Assured d. [ ] Transportation Assured
e. [ ] Disposal Assured f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results b. [ ] Paint Filter Test Results
c. [ ] Manifests d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids
b. [ ] Batteries
c. [ ] Hazardous Waste
d. [ ] Infectious Waste
e. [ ] Petroleum Waste
f. [ ] Sludge
g. [ ] Asbestos
h. [ ] Radioactive Waste
i. [ ] Contaminated Soil
j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken
b. [ ] Continue Monitoring
c. [ ] Initiate Assessment
d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy
f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
2	g,c,f, e, i	401.B.2	No signs posted at facility indicating location of the site (name of facility), days/hours of operation, emergency telephone numbers, disposal instructions, and to state that fires and scavenging are prohibited as required.
9	c	401.B.4	No implemented plan was on file at the facility to inspect loads, to detect and prevent disposal of unauthorized waste, as required.
9	g	401.B.4(d)	No training program for facility employees in the identification of unauthorized waste was on file at the facility.
10	b,c,d,e f,g,h	401.B.5	No (random) load inspections were conducted or documented at the facility. Attachment "A" of the facility's permit provides an example inspection form.
9	a	811.D	The facility's contingency plan indicates that on-site personnel will be trained in emergency response (Ref. permit application Section 811.D.2). The On-site operator stated he had received no such training, other than to "call the fire department." The plan failed to describe arrangements with local emergency response agencies, failed to include a posted evacuation plan, indicating routes of evacuation, and did not indicate when the plan requires amendment - although this was included in the facility's permit application.

Violations MUST BE CORRECTED BY:_____ **Operator/Rep. Signature:**_____ **Date:**_____

Follow-up Inspection Due On (Date):_____ **NMED/Rep. Signature:**_____ **Date:**_____

Distribution White/Original to NMED Yellow to Inspector Pink to Facility SWB-Inspection Rev. 10/96

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids
b. [ ] Batteries
c. [ ] Hazardous Waste
d. [ ] Infectious Waste
e. [ ] Petroleum Waste
f. [ ] Sludge
g. [ ] Asbestos
h. [ ] Radioactive Waste
i. [ ] Contaminated Soil
j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken
b. [ ] Continue Monitoring
c. [ ] Initiate Assessment
d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy
f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
			Notes: ① Plastic/Paper Recycling bins require signs. ② Two 5-10 gallon containers of unknown waste were transported from the Village of Los Lunas' recycling facility to this transfer station, and stored inside the used oil containment area. In the absence of generator's knowledge, this waste must be analyzed to determine if it is a hazardous waste and disposed accordingly. ③ The facility's steps leading to the tipping floor were covered with trash creating a potential safety hazard. ④ A copy of the facilities approved permit certificate was not posted at the facility. (POC) Operator: Village of Los Lunas Betty Behrend Utilities Director (505) 865-1377. Certified Operators: Paul Espinoza and Michael Marquez. Location: 34°49.36N; 106°49.68W; 5191 feet. Outbrief conducted w/ Mr. Marquez at approx. 3:25 pm - CK

Violations MUST BE CORRECTED BY: 3/18/00 **Operator/Rep. Signature:** Michael D. Marquez **Date:** 2/17/00

Follow-up Inspection Due On (Date): On or After 3/18/00 **NMED/Rep. Signature:** _____ **Date:** 2/17/00

Distribution White/Original to NMED Yellow to Inspector Pink to Facility

RECEIVED
AUG 10 1998
SOLID WASTE BUREAU

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

DATE: 8/5/98 FACILITY NAME: Los Lunas Transfer Station CONTROL #:

REASON FOR INSPECTION: Consulting Inspection
[ ] Routine [ ] Follow Up
[ ] Complaint [X] Other
[ ] Suspected Violation
[ ] Closure / Post Closure

FACILITY OPERATOR: Ex Village of Los Lunas DISTRICT: I

FACILITY LOC.: C 3½ Miles Nat of Los Lunas

STATUS: [ ] INTERIM [ ] PERMITTED [ ] CLOSED PHONE: 865-1377

TYPE OF FACILITY: Small Transfer Station X Registered OPERATING HOURS: TBD DAYS OF WEEK: TBD

TYPE OF WASTE HANDLED [X] MSW [ ] INDUSTRIAL [ ] C & D [ ] SPECIAL Tons / Cu. Yds 120 Daily/Monthly (circle one)

1. FACILITY / OPERATIONAL CONTROLS

a. [ ] Litter b. [ ] Roads Maintained
c. [ ] Noise d. [ ] Vectors
e. [ ] Dust / Odor f. [ ] Access Controlled
g. [ ] *Tipping / Insp. Area* h. [ ] Scavenging Control
i. [ ] *Fire Control* j. [ ] *Health/Environment Hazard*
k. [ ] *Compaction* l. [ ] _____

2. SIGNS REQUIRED / PROPERLY POSTED

a. [ ] Operating Days/Hours b. [ ] Loading/Unloading Area
c. [ ] Emergency Numbers d. [ ] Directions to Fill Areas
e. [ ] Fires Prohibited f. [ ] Scavenging Prohibited
g. [ ] Operation Procedures h. [ ] Bldg./ Warning / Visible
i. [ ] _____

3. OPERATOR / REPRESENTATIVE / EMPLOYEES

a. [ ] *Certified* b. [ ] *On Site While Open*
c. [ ] *Employees Trained* d. [ ] _____

4. COVER

a. [ ] *Daily Applied* b. [ ] *Intermediate Applied*
c. [ ] *Final Cover* d. [ ] *Excavating a Closed Cell*
e. [ ] *Compaction* f. [ ] Stabilized Vegetation
g. [ ] _____

5. MONITORING / SAMPLING / ANALYZING / HANDLING

a. [ ] *Methane* b. [ ] Leachate
c. [ ] *Ground Water* d. [ ] *Unauthorized Waste Analized*
e. [ ] Frequency Maintained f. [ ] Proper Equip./ Test Used
g. [ ] *Gas Control* h. [ ] *Waste Properly Processed*
i. [ ] _____

6. DRAINAGE / EROSION

a. [ ] *Water Run-on* b. [ ] *Water Run-off*
c. [ ] _____

7. PROPER STORAGE / ISOLATION / DISPOSAL

a. [ ] *Special Waste* b. [ ] *Hazardous Waste*
c. [ ] *Infectious Waste* d. [ ] *Asbestos*
e. [ ] Tires f. [ ] White Goods
g. [ ] Recyclables h. [ ] *Lead Acid Batteries*
i. [ ] *Hot Waste* j. [ ] Timely Removal
k. [ ] Ash l. [ ] *Petroleum Contam. Soil*
m. [ ] *Transfer Stations* n. [ ] _____

8. PROPER EQUIPMENT / MAINTAINED

a. [ ] Facility Equipment b. [ ] Storage Equipment
c. [ ] Audible Signals d. [ ] Transport Equipment
e. [ ] Collection Equipment f. [ ] Fire Fighting Equipment
g. [ ] Compaction Equipment h. [ ] Clean & Sanitized
i. [ ] _____

9. PLANS & PROGRAMS On File

a. [ ] *Contingency* b. [ ] Operating / Maintenance
c. [ ] *Inspection* d. [ ] *Disposal Management*
e. [ ] Facility Site Plan f. [ ] *Closure / Post Closure*
g. [ ] *Training Programs* h. [ ] Removal - Stored Waste
i. [ ] *Ground Water Monitor* j. [ ] *Fire Protection & Prevention*
k. [ ] *Methane Monitoring* l. [ ] Disease Vectors/Rodent Ctrl
m. [ ] *Clean-up/Remediation* n. [ ] *Leachate Control*
o. [ ] *Deviation From Plans* p. [ ] _____

RECORDS / REPORTS / RESULTS Maintained

10. INSPECTION RECORDS

a. [ ] Daily Records Kept. b. [ ] Source/Type/Volume of Wste.
c. [ ] Signatures d. [ ] Times & Dates
e. [ ] Names of Co. & Driver f. [ ] Vehicle License Number
g. [ ] Vehicle Description h. [ ] Observations
i. [ ] _____

11. NOTIFICATION - RECORDS When required was:

a. [ ] NM ED/Facility/Other b. [ ] Area Restricted
c. [ ] Clean Up Assured d. [ ] Transportation Assured
e. [ ] Disposal Assured f. [ ] _____

12. MONITORING / SAMPLING / ANALYSIS - RECORDS

a. [ ] Methane Levels Taken Quarterly
b. [ ] Unauthorized Waste Analyzed
c. [ ] Contaminated Waste/Soil Analyzed
d. [ ] Ground Water Sampling Results
e. [ ] Leachate Sampling & Treatment
f. [ ] _____

13. SPECIAL WASTE RECORDS (Type)

a. [ ] Lab Analysis Results b. [ ] Paint Filter Test Results
c. [ ] Manifests d. [ ] Remediation Documentation
e. [ ] Treatment Certification
f. [ ] _____

Continued on Page 2

STATE OF NEW MEXICO - ENVIRONMENT DEPARTMENT

SOLID WASTE FACILITY INSPECTION REPORT

14 EVIDENCE OF UNAUTHORIZED WASTE

a. [ ] Bulk Liquids b. [ ] Batteries
c. [ ] Hazardous Waste d. [ ] Infectious Waste
e. [ ] Petroleum Waste f. [ ] Sludge
g. [ ] Asbestos h. [ ] Radioactive Waste
I. [ ] Contaminated Soil j. [ ] Ash
k. [ ] _____

15. PERMIT REQUIREMENTS (In Effect)

a. [ ] No Facility Permit
b. [ ] Unauthorized Modification
c. [ ] Refusal of Inspection
d. [ ] _____

16. CORRECTIVE MEASURES

a. [ ] Action Taken b. [ ] Continue Monitoring
c. [ ] Initiate Assessment d. [ ] Incomplete Documentation
e. [ ] Select Proper Remedy f. [ ] Remedial Activity Schedule
g. [ ] _____

Show all violations below indicating the Number and Item on the Inspection Report, the Regulation Section number and a detailed narrative.

No:	Item:	Sec.#:	Violation Detail - Narrative
			Observations: ① Blacktop width may not be adequate for truck turning radius at exit of tipping area. ② Soil on North side slopes of facility have several areas of erosion encroaching upon the blacktop in at least one area. ③ Cement wall along North + Northwest of facility may not be vertical, as ordered by visual observation. ④ Waste in excess of 120 cubic yards/day needs to be diverted to another approved solid waste facility until permitting process is completed. ⑤ Waste oil section of recycling area should have a tank installed to prevent spills + facilitate removal. ⑥ Blacktop on top portion of facility should be monitored for break-up, as some areas may not be properly compacted.
			Outbrief w/ Betty Behrend at approx. 11:00 am.
			Location: 34° 49. 36 N
			106° 49. 68 W
			Elevation: 5191 feet

Violations MUST BE CORRECTED BY: N/A **Operator/Rep. Signature:** Betty Behrend **Date:** 8/5/98

Follow-up Inspection Due On (Date): N/A **NMED/Rep. Signature:** _____ **Date:** 8/5/98

Distribution White/Original to NMED Yellow to Inspector Pink to Facility SWB-Inspection Rev. 10/96

APPENDIX A

NOVEMBER 17, 1999 FINAL ORDER AND PROOF OF COMPLIANCE

STATE OF NEW MEXICO
BEFORE THE SECRETARY OF ENVIRONMENT

IN THE MATTER OF THE APPLICATION OF THE VILLAGE OF LOS LUNAS FOR A SOLID WASTE FACILITY PERMIT FOR A SOLID WASTE TRANSFER STATION

No. SW 99-04 (P)

FINAL ORDER

This matter comes before the Secretary of Environment (Secretary), following a hearing before the Hearing Officer on August 24, 1999, in Los Lunas, New Mexico. The Village of Los Lunas (Village) seeks a solid waste facility permit for a transfer station, including a recycling area, pursuant to the New Mexico Solid Waste Management Regulations, 20 NMAC 9.1.001 – 9.1.1199. The New Mexico Environment Department (NMED) Solid Waste Bureau supports the issuance of the permit, with conditions necessary to protect public health and welfare and the environment.

Having considered the hearing record, including the parties' Proposed Joint Findings of Fact and Conclusions of Law, and the Hearing Officer's Report; and being otherwise fully advised regarding this matter;

THE SECRETARY HEREBY ADOPTS THE PARTIES' STIPULATED PROPOSED FINDINGS OF FACT AND CONCLUSIONS OF LAW, AS MODIFIED BELOW.

IT IS THEREFORE ORDERED:

The permit requested is issued, effective upon the execution of this Order, subject to the following conditions:

1. The Village of Los Lunas shall comply with all applicable requirements of the New Mexico Solid Waste Act, New Mexico Solid Waste Management Regulations, the conditions set

forth in the permit approval and all other applicable state and federal regulations.

2. Should any part of the proposed design fail, the Village shall correct it to protect the public health, safety and welfare and the environment from any threat from the transfer station. The Village shall adequately maintain embankments, drainage structures and erosion control features for the life of the transfer station. The Village shall note daily in the operating record and report quarterly on any observed erosion and all maintenance and repairs to the water control system and the transfer station.

3. The Village shall install and monitor a precipitation gauge and record daily precipitation at the transfer station in the operating record. Precipitation data shall be furnished quarterly to the Department.

Peter Maggiore

PETER MAGGIORE
Secretary of Environment

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Final Order was served on the following, by first class mail, on November 17, 1999

Laurence Guggino, Atty at Law
435 Luna Ave.
Los Lunas, New Mexico 87031

and that a copy thereof was hand-delivered on the same date to the following counsel of record for NMED:

Claybourne Clarke, Ass't General Counsel
NMED Office of General Counsel
1190 St. Francis Drive
Santa Fe, NM 87502

Tamella L. Gonzales

TAMELLA L. ~~GONZALES~~, Hearing Clerk
Gonzales

STATE OF NEW MEXICO
BEFORE THE SECRETARY OF ENVIRONMENT

IN THE MATTER OF THE APPLICATION OF THE VILLAGE OF LOS LUNAS FOR A SOLID WASTE FACILITY PERMIT FOR A SOLID WASTE TRANSFER STATION

No. SW 99-04 (P)

HEARING OFFICER'S REPORT

DISCUSSION

The Village of Los Lunas (Village) seeks a solid waste facility permit for a transfer station, including a recycling area, proposed for location on a parcel of ten acres of land adjacent to the 78 acre Los Lunas Landfill. The New Mexico Environment Department (NMED) Solid Waste Bureau supports the issuance of the permit, for a term of twenty years, with conditions necessary to protect public health and welfare and the environment.

This matter was heard on August 24, 1999, in Los Lunas, New Mexico. NMED was represented by Claybourne Clarke of NMED's Office of General Counsel, and the Bureau's position was presented by Russell Rodke. Those present on behalf of the Village included Ms. Betty Behrend, theVillage Utilities Director, and Scott Eddings, an engineer with Souder, Miller. No member of the public participated in questioning or testimony at the hearing.

The administrative record includes the application for a permit, with extensive attachments, the notice of completeness determination, the notice of docketing, the hearing officer assignment, the Notices of Intent to Present Technical Testimony, the written testimony offered, the transcript, the sign-in sheet, the joint post-hearing submittal from the Village and NMED staff, and this Report.

Based on the record, including the Proposed Joint Findings of Fact and Conclusions of Law supporting the issuance of the permit, I recommend that the permit be issued as requested subject to the conditions laid out by the Solid Waste Bureau in Mr. Rodke's testimony, with an effective date no earlier than November 14, 1999, to allow for comment on this report pursuant to 20 NMAC 1.4.503.B, and no later than December 14, 1999, to be timely pursuant to 20 NMAC 1.4.504.A.

The hearing itself was brief, and was conducted in accordance with 20 NMAC 1.4. Only NMED and the Village submitted notices of intent to present technical testimony. No testimony was given in opposition to the issuance of the permit. Every participant was allowed full opportunity to call witnesses, present testimony and other evidence, and cross-examine witnesses called by any other participant. The hearing was recorded and transcribed. Other than the Joint Proposed Findings and Conclusions already referenced, no post-hearing submittals were made to the Hearing Officer.

RECOMMENDED STATEMENT OF REASONS AND OTHER ACTION

Having reviewed the parties' Proposed Joint Findings of Fact and Conclusions of Law, I believe they accurately summarize the relevant facts and law. I recommend that the Secretary adopt the Proposed Joint Findings and Conclusions as his own, modified only to exclude proposed Condition No. D, regarding the resolution establishing the Local Government Reserve Fund, because such a resolution has already been adopted, and evidence of same was provided after the hearing to the Solid Waste Bureau and the NMED Office of General Counsel.

RECOMMENDED FINAL ORDER

A draft Final Order consistent with the recommendation above is attached as Exhibit A and incorporated by reference.

Respectfully submitted,

FELICIA L. ORTH
Hearing Officer

STATE OF NEW MEXICO
BEFORE THE SECRETARY OF ENVIRONMENT

IN THE MATTER OF THE APPLICATION OF THE VILLAGE OF LOS LUNAS FOR A SOLID WASTE FACILITY PERMIT FOR A SOLID WASTE TRANSFER STATION

No. SW 99-04(P)

PROPOSED JOINT FINDINGS OF FACT AND CONCLUSIONS OF LAW

Pursuant to 20 NMAC §1.4.502, the New Mexico Environment Department (NMED) and the Applicant, Village of Los Lunas ("Applicant") (collectively the "Parties"), respectfully submit the following Proposed Joint Findings of Fact and Conclusions of Law:

FINDINGS OF FACT

1. On June 29, 1998, the Applicant submitted an Application for a solid waste facility permit to the Solid Waste Bureau of the New Mexico Environment Department for a transfer station to be located in Valencia County on the north side of New Mexico Highway 6 approximately 3.1 miles west of the Interstate Highway 25 and NM 6 interchange. Application (App.) Summary and Attachment (Att.) G.

2. The Applicant provided notice of the filing of the Application to adjacent property owners, local governments, and the public by certified mail, publication and posting as required by the New Mexico Solid Waste Management Regulations 20 N.M.A.C. 9.1 ("the Regulations"). App. Att. G.

3. The Applicant proposes to construct, open and operate a transfer station located on a parcel of ten (10) acres of land adjacent to the 78 acre Los Lunas Landfill.

Exhibit A to NMED's Notice to Provide Technical Testimony ("NMED") p. 1; App. p. 22.

4. The owner of the land upon which the proposed transfer station is located is the Village of Los Lunas, New Mexico. App. p. 21.

5. The Solid Waste Bureau of the Environment Department reviewed the Application for compliance with the Solid Waste Act and the Regulations. The Bureau determined that the Applicant met the applicable requirements of the Regulations and the Act. Included in the Application are submittals of facility plans and drawings signed and sealed by a professional engineer registered in New Mexico, means for mitigating litter and odors, a list and description of the equipment to be used and a narrative description of the operating plan for the facility. App; NMED p.3.

6. On July 2, 1999, NMED issued a letter deeming the Transfer Station Application complete. Administrative Record (AR).

7. Notice of the hearing on the Application was given by NMED and published in the Valencia County News-Bulletin on July 24, 1999. Record Proper (RP).

8. Public hearing on the Application was convened by the Hearing Officer on August 24, 1999 at the City Council Chambers, 660 Main Street, Los Lunas. Transcript (Tr) p. 1.

9. At the public hearing, the following persons testified for the Applicant:

   A. Ms. Betty Behrend. Tr. pp. 4-8, 15.

   B. Mr. Scott Eddings. Tr. pp. 5-10, 13-14.

10. At the public hearing, Mr. Russell Rodke with the Solid Waste Bureau, testified for the NMED. Tr. pp. 10-14.

11. There were no objections to the issuance of the permit by the public. No response to the public notice was received by mail and there were no members of the public present at the hearing. AR.

12. Subpart I of the Regulations contains general requirements applicable to all solid waste facilities. Section 105.BX defines solid waste facilities to exclude small transfer stations with a total operational rate of 120 cubic yards per day or less of solid waste. The facility was constructed in 1998 and was registered as a small transfer station. The owner applied for the permit in order to transfer more than 120 cubic yards of material per day. The transfer station was designed for a maximum operational rate of 520 cubic yards per eight-hour shift. App. p. 27.

13. The facility includes a recycling area with bins placed for easy public access. However, no permit is required for the recycling activity because the total amount of recyclable materials will be less than 25 tons per day. Recyclable materials processed at the proposed facility are to be separated from the waste stream into bins outside the Transfer Station building. Further separation may occur at the tipping floor. App. p. 31, Tr. p.6.

14. Subpart II of the Regulations requires transfer station permit applications to include a site plan, information regarding the frequency of solid waste deposits and shipments from the facility, the method of transportation to the disposal site and the location of the disposal site. Applicants request a permit for a term of 20

years. The Applicants addressed all the requirements of Subpart II of the regulations. App. p. 19, NMED p. 2

15. Subpart III of the Regulations, Siting Criteria, do not apply to a transfer station, but seismicity, slope stability, erosion, drainage and storm water runoff were considered in the review of the application and the closure plan of the adjacent landfill to assure the safety of the structure. NMED p. 3.

16. Subpart V of the Regulations require plans for closure of the facility be submitted as part of the permit Application. An appropriate closure plan has been prepared for the facility, and the Village of Los Lunas has demonstrated financial assurance for the costs of closure, through the use of the Local Government Financial Test as specified in the Regulations. App. p. 91, NMED p. 3.

17. Subpart VI of the Regulations requires operator certification and staffing during operating hours. The village is to have all operators certified. App. p. 70, NMED p. 3.

18. Subpart VIII of the Regulations contains requirements for groundwater monitoring, corrective action and a contingency plan. Section 801.B requires all solid waste facilities to demonstrate groundwater will be protected. An inspection plan has been prepared by the facility to handle any unauthorized wastes. The proposed operational procedures should minimize the possibility of contamination of soil or groundwater. App. 76, NMED p. 3.

CONCLUSIONS OF LAW

1. The Secretary of the Environment has jurisdiction over the subject matter and parties to the Application.

2. The Solid Waste Act, NMSA 1978, §§ 74-9-1 -- 74-9-42 (Repl. Pamp. 1993 and Supp. 1996), and the New Mexico Solid Waste Management Regulations, 20 N.M.A.C. §§ 9.1.001 -- 9.1.1199 (1995), apply to the Application.

3. The regulations governing Environmental Permit Procedures, 20 N.M.A.C. §§ 1.4.100 -- 1.4.699 (1995), apply to the conduct of the public hearing convened therefor.

4. The Application complies with the Solid Waste Act.

5. The Application complies with the New Mexico Solid Waste Management Regulations, 20 NMAC 9.1.

6. The hearing on the Application complied with the Permit Procedure Rules found at 20 N.M.A.C. § 1.4 (1995).

7. No provision of the Solid Waste Act or the New Mexico Solid Waste Management Regulation would be violated by the granting of the Application.

8. The public hearing was conducted in compliance with 20 N.M.A.C. §§ 1.4.

9. The Applicant provided notice of the filing of the Application as required by NMSA 1978, § 74-9-22 (Repl. Pamp. 1993); 20 N.M.A.C. § 9.1.201.C (1995).

10. The New Mexico Environment Department provided notice of the hearing as required by NMSA 1978, § 74-9-23 (Repl. Pamp. 1993).

11. The Application will not produce any adverse impacts on the environment, will not endanger the public health, welfare, or safety, and will present no undue risks to property.

12. The Solid Waste Bureau of the New Mexico Environment Department recommends the following conditions be added to the permit issued for the Transfer Station:

A. The Village of Los Lunas shall comply with all applicable requirements of the New Mexico Solid Waste Act, New Mexico Solid Waste Management Regulations, the conditions set forth in the permit approval and all other applicable state and federal regulations.

B. Should any part of the proposed design fail, the Village shall correct it to protect the public health, safety and welfare and the environment from any threat from the transfer station. The Village shall adequately maintain embankments, drainage structures and erosion control features for the life of the transfer station. The Village shall note daily in the operating record and report quarterly on any observed erosion and all maintenance and repairs to the water control system and the transfer station.

C. The Village shall install and monitor a precipitation gauge and record daily precipitation at the transfer station in the operating record. Precipitation data shall be furnished quarterly to the Department.

D. The Village shall adopt a resolution establishing the Local Government Reserve Fund prior to the decision of the Secretary on the permit application.

Respectfully submitted,

NEW MEXICO ENVIRONMENT DEPARTMENT
OFFICE OF GENERAL COUNSEL

By: _____

CLAYBOURNE CLARKE
Assistant General Counsel
Special Assistant Attorney General
1190 St. Francis Drive
Santa Fe, NM 87502-6110
(505) 827-2855

VILLAGE OF LOS LUNAS, NEW MEXICO

By: telephonically approved

LAURENCE GUGGINO
Attorney at law
435 Luna Ave.
Los Lunas, NM 87031
(505) 865-0566

To: Whom it may concern
7/8/20
Subject: Documentation

We currently record and maintain all work hours involved in maintaining erosion control to the closed landfill and transfer station. The hours are recorded per day and monthly as needed.

The rain totals are recorded daily as well and totaled for the month.

Jason Marquez
Transfer Station Operator
Village of Los Lunas

January 2018

1. MSW out tons – 964.70
2. Green Waste out tons – 10.95
3. Total Waste out tons – 975.65
4. Total cost – $17,857.61
5. Cost per ton – $18.30
6. Rain totals – 0
7. Well meter – 0526490
8. Residents – 2
9. Plastic – 0 bales = 0 tons picked up by Town Recycling
10. Blue totes – 0.9 tons Delivered to Master Fibers
11. Cardboard – 80 bales = 43.38 tons picked up by Town Recycling
12. Paint – 0
13. Oil – 0 gal

14. Tires – 28
15. Tire Bales – 0
16. Electronics – 0
17. Glass Processed – 9.18 tons
18. Glass – 0 tons hauled to Growstone
19. Erosion Control – 3 1/2 hrs
20. Universal Waste brought in 45.54 tons
21. Universal Waste paid for 60.91 tons

20&21 affect 1,3,4 and 5

July 2018

1. Transferred out lbs – 1,894,400
2. Transferred out tons – 947.20
3. Total cost – $18,618.11
4. Cost per ton – $19.65
5. Rain totals – 1.0
6. Well meter – 0557640
7. Residents – 18
8. Plastic – 0 bales = 0 tons picked up by Town Recycling
9. Blue totes – 5.7 tons Delivered to Master Fibers
10. Cardboard – 42 bales = 25.92 tons picked up by Town Recycling
11. Paint – 0
12. Oil – 0 gal
13. Tires – 0

14. Tire Bales – 0
15. Electronics – 0
16. Glass Processed – 9.34 tons
17. Glass – 0 tons hauled to Growstone
18. Erosion Control – 0 hrs
19. 392 gallons of used oil was picked up by Mesa Oil
20. Green Waste – 169 yds = 21.12 tons of processed material

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 23
FACILITY SIGNAGE

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

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VOLUME 2: EXHIBIT NO. 23
FACILITY SIGNAGE

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Figure 1-5 Waste Oil Sign: Disposal/Holding Area 1-5

Figure 1-6 Warning Signs: East Entrance 1-6

Figure 1-7 Warning Sign: Tipping Floor Interior 1-7

Figure 1-8 Caution Sign: Transfer Station Interior 1-8

FIGURE 1-1: GENERAL OPERATION SIGN: EXTERIOR

Signage outside the Transfer Station indicating the name, location, and hours of operation.

FIGURE 1-2: ACCEPTABLE AND PROHIBITED WASTE SIGNAGE INSIDE TRANSFER STATION PROPERTY

FIGURE 1-3: CHECK-IN SIGN: EXTERIOR

View of sign requiring check-in for residential traffic and directing flow of residential and commercial traffic upon entering the Village of Los Lunas Transfer Station.

FIGURE 1-4: SPEED LIMIT SIGN: EXTERIOR

Stated speed limit and warning of congested area.
Located near the residential entrance on the south side of the Transfer Station.

FIGURE 1-5: WASTE OIL SIGN: DISPOSAL/HOLDING AREA

Signage showing proper disposal/holding area for used oil at the Village of Los Lunas Transfer Station. Similar signs are located at various areas within the Transfer Station showing other waste holding areas.

FIGURE 1-6: WARNING SIGNS: EAST ENTRANCE

Warning signs at east entrance of Transfer Station building permitting no fires, no scavenging, no smoking, as well as notifying collection truck drivers to check with the tipping floor operator before entering.

FIGURE 1-7: WARNING SIGN: TIPPING FLOOR INTERIOR

Sign inside tipping floor warning workers to stay back of the transfer vehicle loading area.

FIGURE 1-8: CAUTION SIGN: TRANSFER STATION INTERIOR

Signage inside Transfer Station reminding staff to check for these items before leaving the building.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2: EXHIBIT NO. 24 PERSONAL PROTECTIVE EQUIPMENT PLAN

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
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VOLUME 2: EXHIBIT NO. 24
PERSONAL PROTECTIVE EQUIPMENT PLAN

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1.0 GENERAL INFORMATION

The contents of the Personal Protective Equipment Plan have been incorporated into Exhibit No. 2, General Operations Plan, Section 8.

VILLAGE OF LOS LUNAS, NEW MEXICO

TRANSFER STATION PERMIT MODIFICATION AND RENEWAL APPLICATION

Submitted to:

NEW MEXICO ENVIRONMENT DEPARTMENT
SOLID WASTE BUREAU
1190 St. Francis Drive, Rm. N2150
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

VOLUME 2:
EXHIBIT NO. 25
LETTER REGARDING NMSA 1978, 74-9-24

Prepared for:

VILLAGE OF LOS LUNAS
600 Main Street NW
Los Lunas, New Mexico 87031

Prepared by:

MOLZEN CORBIN
2701 Miles Road SE
Albuquerque, New Mexico 87106

May 2021

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

October 23, 2018

Mr. George Schuman
Permit Section Manager
New Mexico Environment Department
Solid Waste Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

RE: Village of Los Lunas
Application for Solid Waste Permit Modification and Renewal

Dear Mr. Schuman:

In accordance with the State of New Mexico Solid Waste Act of 1978 (NMSA 1978), the Village of Los Lunas (Village) is submitting this Application for a Solid Waste Permit Modification and Renewal for the Transfer Station located on New Mexico Highway 6, two miles west of its intersection with Interstate 25 in Los Lunas, New Mexico. The contents of this Application include all information required by the NMSA 1978 and the New Mexico Solid Waste Rules (New Mexico Administration Code Title 20, Chapter 9) as applicable to the Transfer Station.

Our signatures below attest that this Application is complete and correct and that neither the Village nor any key employees have, to our knowledge:

- Knowingly misrepresented any material facts in this Permit Modification and Renewal application.
- Refused to disclose or failed to disclose the information required under the provisions of Section 74-9-21 NMSA 1978.
- Been convicted of a felony or other crime involving moral turpitude within ten years immediately preceding the date of the submission of this Permit Modification and Renewal Application.
- Been convicted of a felony within ten years immediately preceding the date of the submission of this Permit Modification and Renewal Application, in any court for any crime defined by state or federal statutes as involving or being restraint of trade, price-fixing, bribery or fraud.
- Exhibited a history of willful disregard for environmental laws of any state or the United States.
- Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States.

Please contact us if you have any questions or concerns regarding this Permit Modification and Renewal Application.

Sincerely,

VILLAGE OF LOS LUNAS

Michael Jaramillo, Public Works Director

Marcus Montoya, Solid Waste Superintendent