

Part A and Part B Permit Renewal Application for the

TRIASSIC PARK WASTE DISPOSAL FACILITY

RCRA Permit No. NM0001002484

Chaves County, New Mexico

Volume 3

Permit Attachment L1 - Engineering Drawings

October 17, 2011

Revision 1 - April 30, 2012

Prepared for:

Gandy Marley, Inc.

Post Office Box 1658

Roswell, New Mexico 88202

Prepared by:

Domenici Law Firm P.C.

320 Gold Ave. SW, Suite # 1000

Albuquerque, New Mexico 87102

(505) 883-6250

Daniel B. Stephens & Associates, Inc.

6020 Academy NE, Suite 100

Albuquerque, New Mexico 87109

(505) 822-9400

Table of Contents

VOLUME 1

Introduction

- Table of Contents
- Application Organization Summary
- Introduction
- List of Acronyms
- RCRA Regulatory Crosswalk

Part A Permit Application

- Certification of Permit Application
- EPA Hazardous Waste Permit Application
- Facility Property Plat

Part B Permit Application

1. General Facility Standards
2. Treatment, Storage, and Disposal
3. Groundwater Protection
4. Waste Analysis Plan
5. Procedures to Prevent Hazards
6. Contingency Plan
7. Personnel Training
8. Closure and Post-Closure of Permitted Units
9. Waste Management
10. Corrective Action
11. 40 CFR 264 Subpart AA, BB & CC Regulations
12. References

Permit

- Part 1 General Permit Conditions
- Part 2 General Facility Conditions
- Part 3 Hazardous Waste Storage In Containers
- Part 4 Hazardous Waste Storage and Treatment in Tanks
- Part 5 Treatment in the Surface Impoundment
- Part 6 Hazardous Waste Disposal in the Landfill
- Part 7 Vadose Zone Monitoring
- Part 8 Closure and Post-Closure Care
- Part 9 Corrective Action for Regulated Units
- Part 10 Corrective Action for Solid Waste Management Units

Table of Contents (Continued)

VOLUME 2

Attachment

A	General Facility Description and Information
B	Procedures to Prevent Hazards
C	Contingency Plan
C1	Emergency Equipment
C2	Emergency Coordinators
C3	Coordinating Agreements
C4	Evacuation Plans
D	Inspection Procedures
D1	Inspection Schedules and Checklists
E	Personnel Training
F	Waste Analysis Plan
F1	Rationale for Analytical Parameter Selection
F2	Example Waste Profile Form
F3	Example Chain-of-Custody Form
F4	Waste Characterization Using Acceptable Knowledge
G	Air Quality
H	Ground Water Monitoring Waiver Request
I	Vadose Zone Monitoring System Work Plan
J	Action Leakage Rate and Response Action Plan
K	Part A Permit Application
L	Engineering Report
L1	Engineering Drawings (Volume 3)
L2	Specifications for Landfill, Surface Impoundment and Associated Facilities Liner and Cover System Construction
L3	Tank Integrity Assessment Certification
L4	New Landfill Engineering Calculations
L5	Landfill Stormwater and Leachate Recirculation Modeling
M	Construction Quality Assurance Plan
N	Operations and Maintenance Plan
O	Closure Plan
O1	Compliance Schedules for Closure
O2	Financial Assurance for Closure
P	Post-Closure Care Plan
P1	Financial Assurance for Post-Closure Care
Q	Statistics for Release Determination
R	Action Levels for Corrective Action
R1	Background Concentrations for Soil
R2	Vadose Zone Baseline Concentrations for Non-Leachates
R3	Background Concentrations for Ground Water
S	Vadose Zone Monitoring Indicator Parameters

Table of Contents (Continued)

VOLUME 3

Attachment

L1 Engineering Drawings

VOLUME 4

Attachment

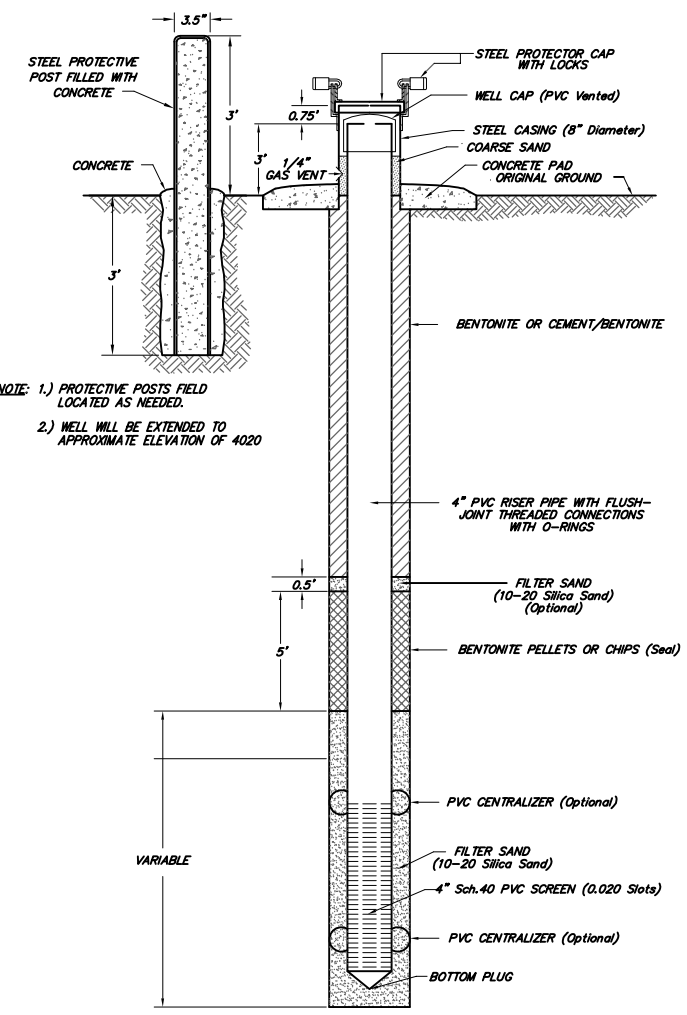
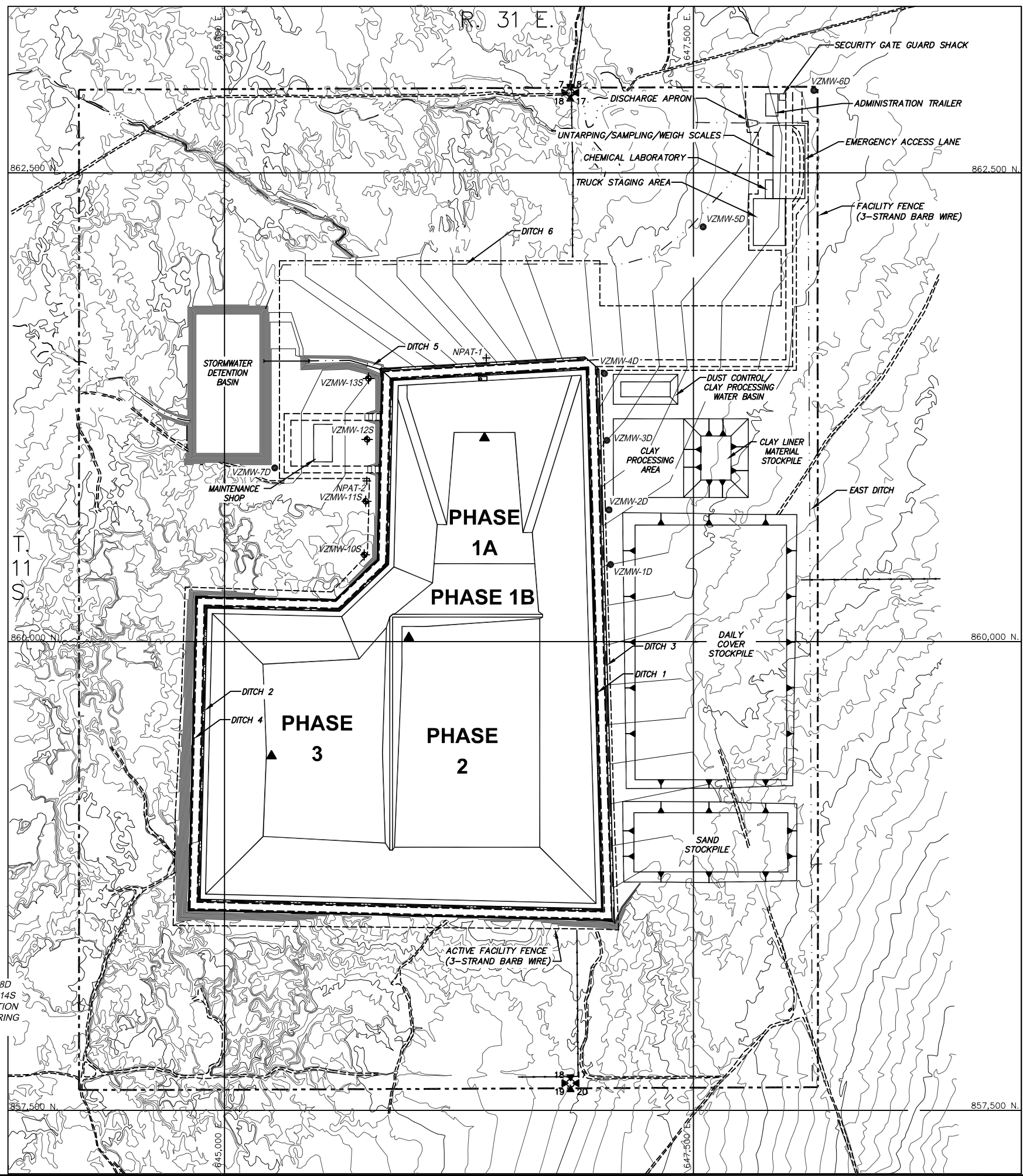
T Oil Well Log
U Lithology Logs and Plugging Logs
V Geophysical Logs
W Geotechnical Laboratory Results
X Grain Size Analyses
Y Cross-Sections
Z Construction Specifications

VOLUME 5

Attachment

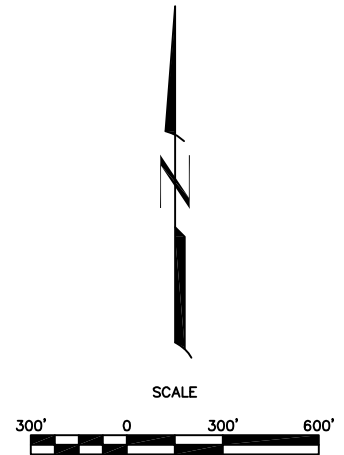
AA Laboratory Test Results
BB Engineering Calculations
CC Surface Water Control Plan
DD Manufacturer Information

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NOTE: 1.) PROTECTIVE POSTS FIELD LOCATED AS NEEDED.
2.) WELL WILL BE EXTENDED TO APPROXIMATE ELEVATION OF 4020

TYPICAL VADOSE ZONE MONITORING WELL INSTALLATION DETAIL



- LEGEND**
- Existing contour
 - Regraded contour
 - Deep monitoring well
 - Shallow monitoring well
 - Vadose zone sump
 - Neutron probe access tube
 - Facility and active facility fences (3-strand barbed wire)

NOTES:
1. VADOSE ZONE MONITOR WELLS VZMW-9D AND VZMW-15S ARE LOCATED APPROXIMATELY 3,300 FEET NORTHEAST OF THE FACILITY BOUNDARY WITHIN 15 FEET OF THE LOCATION OF BORING WW-1.

REVISION MADE	
NO	DATE
0	10/18/11
BY: GJP PART B PERMIT APPLICATION RENEWAL	

Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 8020 ACADEMY NE, SUITE 100
 ALBUQUERQUE, NM 87109
 (505) 822-9400

DESIGNED BY:	TG
DRAWN BY:	KDB
CHECKED BY:	GJP
DATE:	10/18/11

TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO
FACILITY LAYOUT

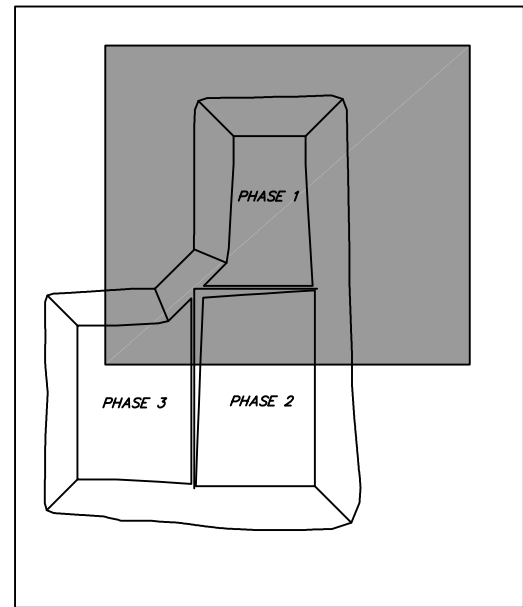
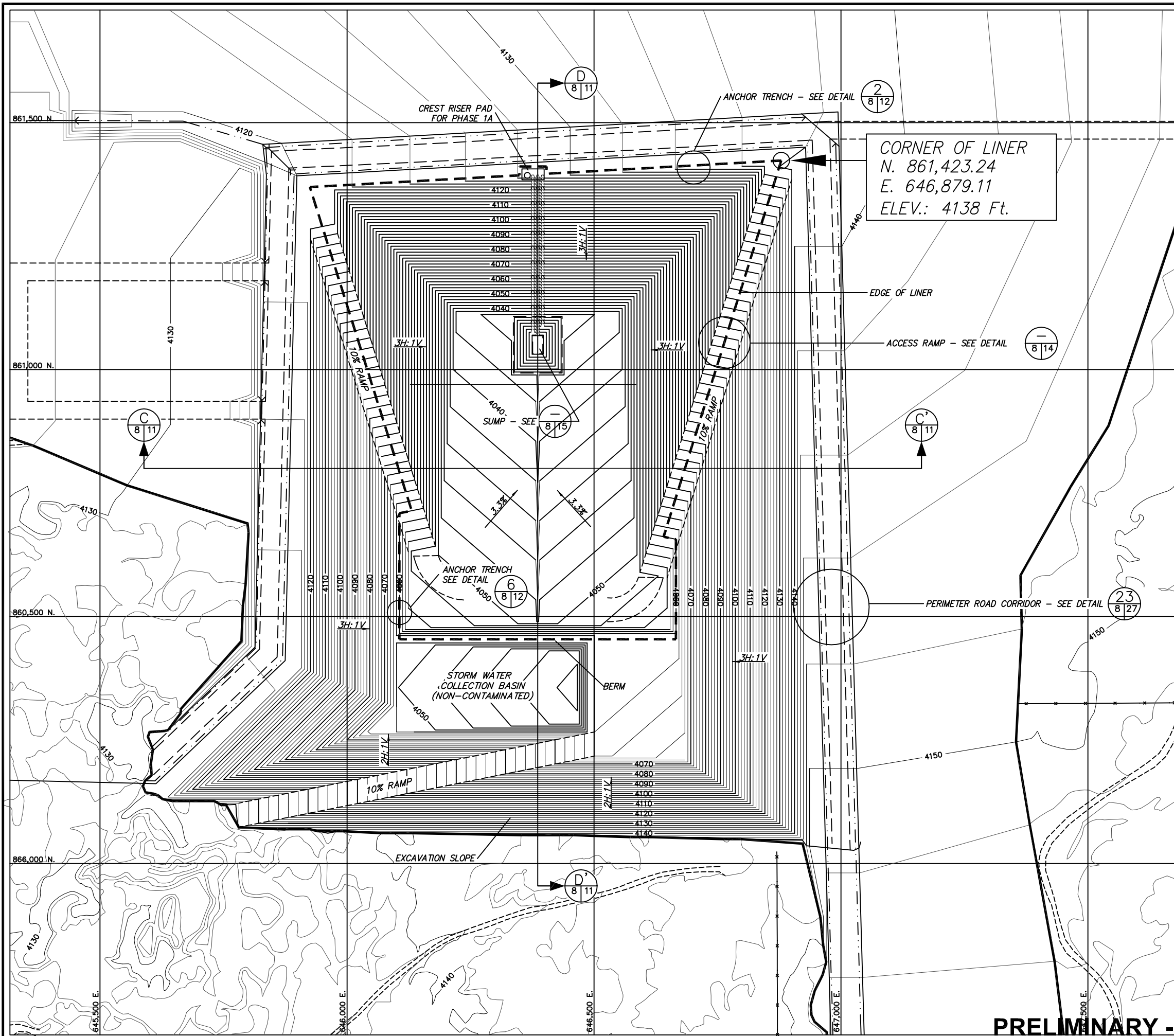


JOB NO.
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SHEET 1 of 1
DWG NO. 4

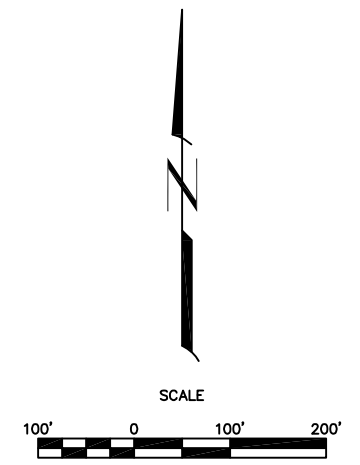
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MAP KEY

- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.



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 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 8020 ACADEMY NE, SUITE 100
 ALBUQUERQUE, NM 87109
 (505) 822-9400

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TG	KOB	GPS	10/20/11

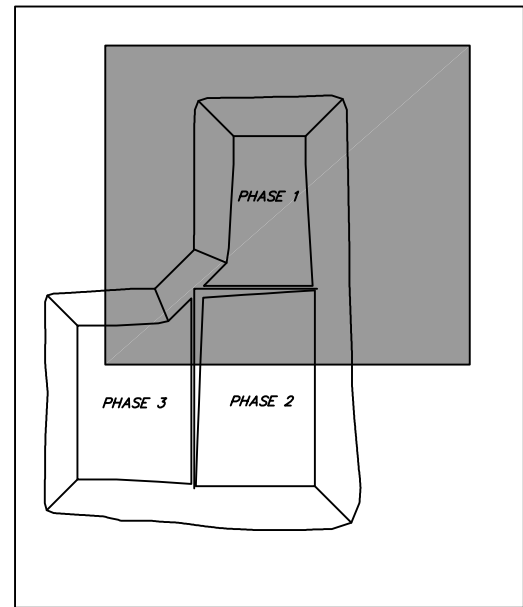
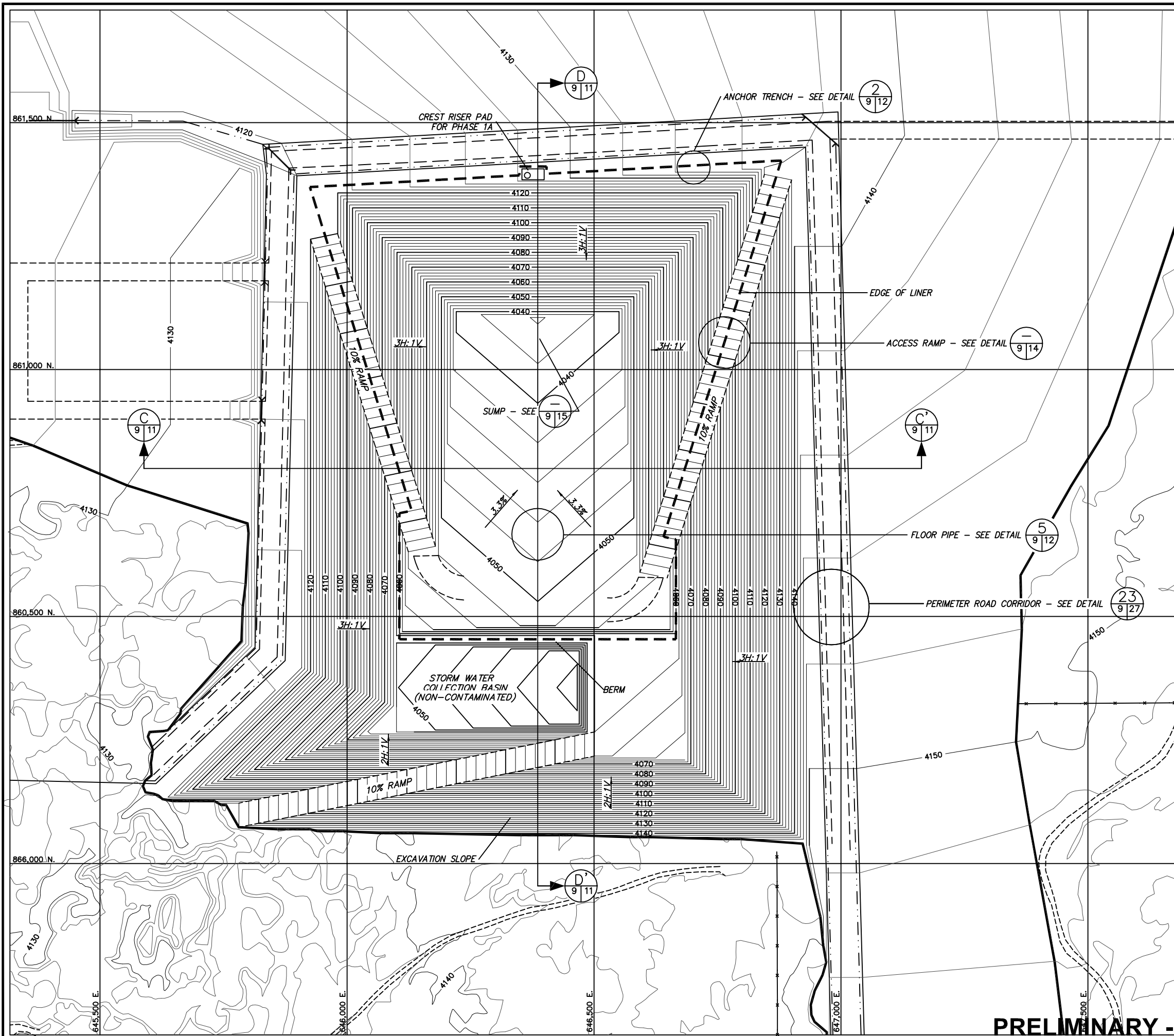
TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO
**DETAILED EXCAVATION PLAN -
 PHASE 1A**



JOB NO.
 ES11.0141

SHEET 1 of 1
 DWG NO. 8

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MAP KEY

- NOTES:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.

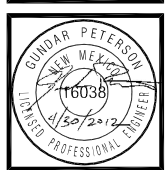
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Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 8020 ACADEMY NE, SUITE 100
 ALBUQUERQUE, NM 87109
 (505) 822-9400

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TG	KOB	GP	10/16/11

TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO

**TOP OF PROTECTIVE SOIL LAYER -
 PHASE 1A**

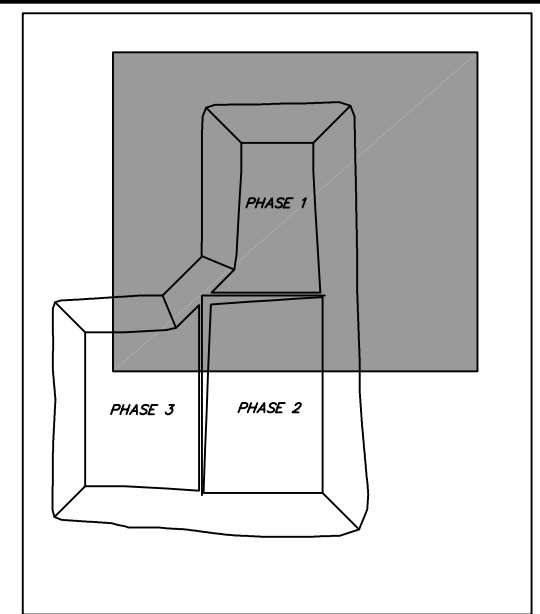
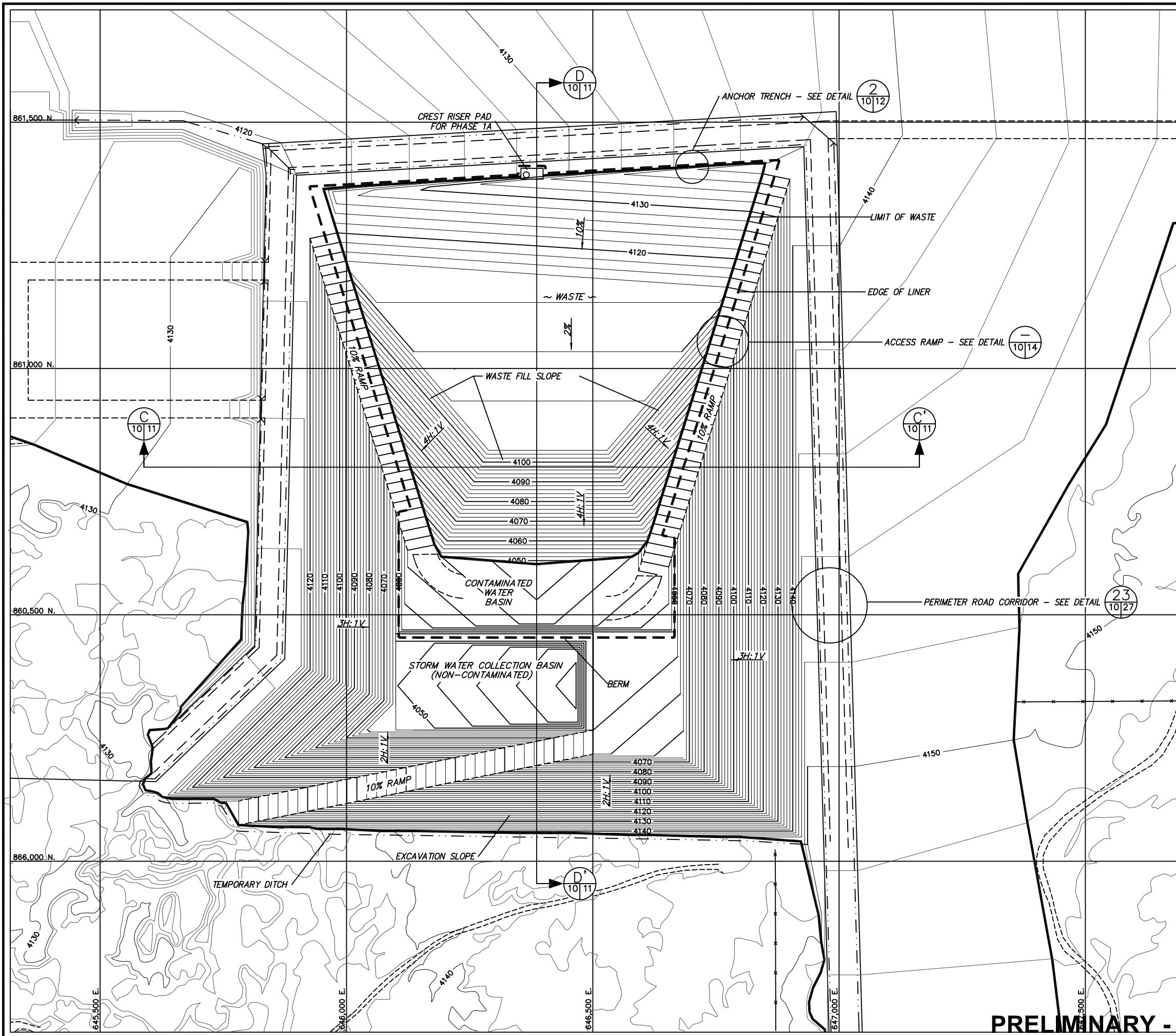


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SHEET 1 of 1
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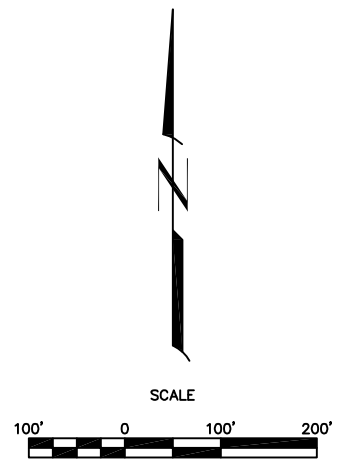
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MAP KEY

- NOTES:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLE AND POULS ENGINEERING.
 3. WASTE FILL VOLUME FOR PHASE 1A: 553,200 CY



PRELIMINARY - NOT FOR CONSTRUCTION

NO	DATE	BY	REVISION MADE
0	10/18/11	GDP	PART B PERMIT APPLICATION RENEWAL

FILE NAME: ES11_0141_VR_08_11.dwg

Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 6050 ACADEMY NE, SUITE 100
 BOCA RATON, FL 33433
 (561) 822-9400

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
TC	KCB	GDP	10/4/2011

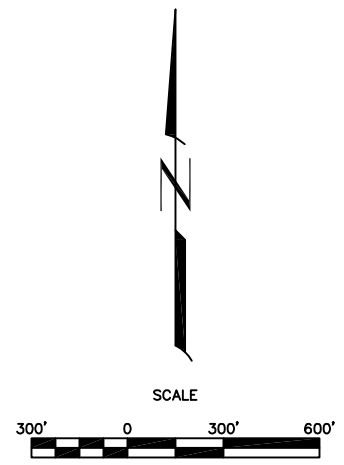
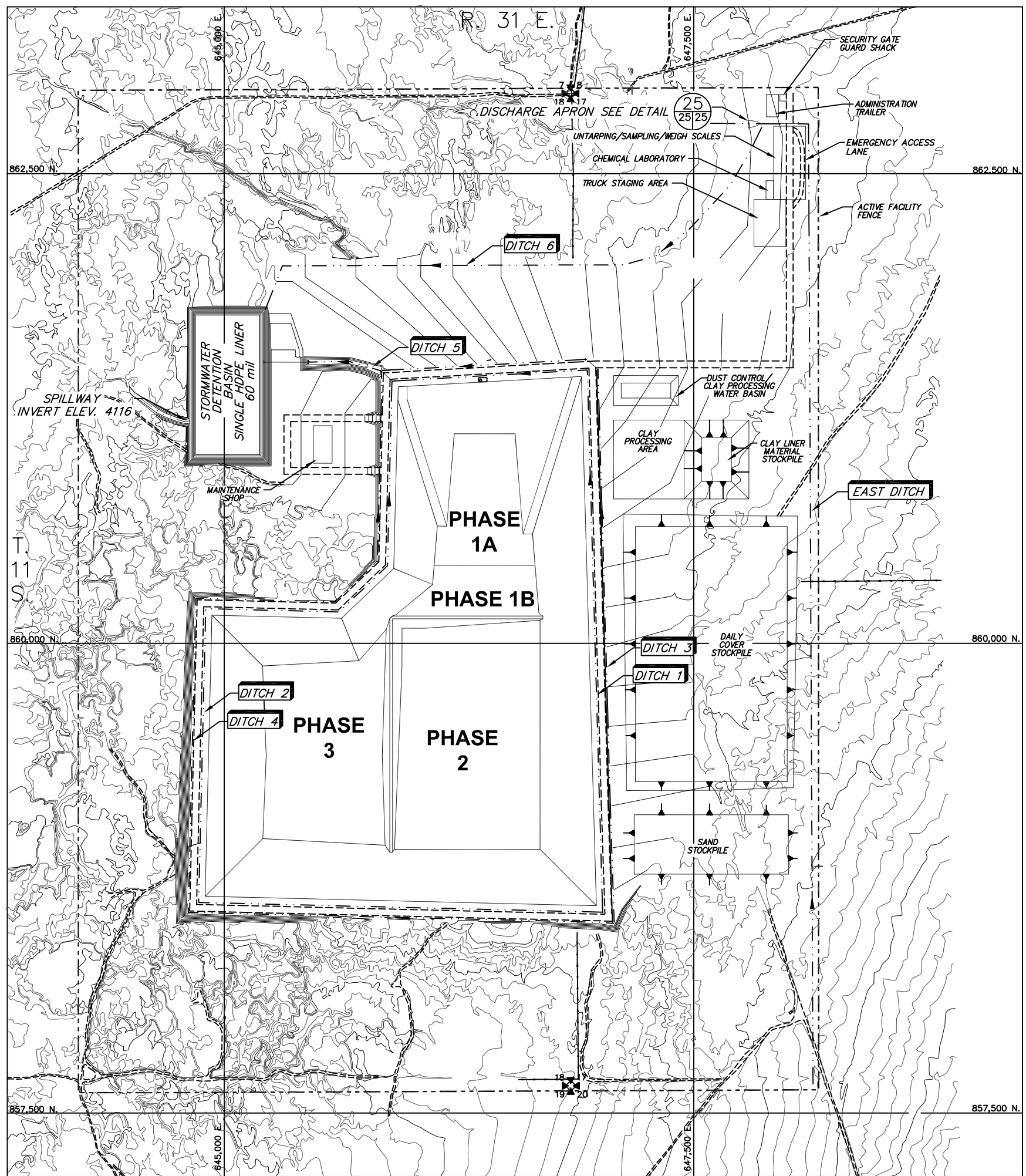
TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO
FILLING PLAN - PHASE 1A



JOB NO.
ES11.0141

SHEET 1 of 1
DWG NO. 10

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0	10/18/11	GDP	PART B PERMIT APPLICATION RENEWAL

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Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 6050 ACADNEY NE, SUITE 100
 ALBUQUERQUE, NM 87110
 (505) 822-9400

DESIGNED BY:	TC
DRAWN BY:	KCB
CHECKED BY:	GDP
DATE:	10/4/2011

TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO

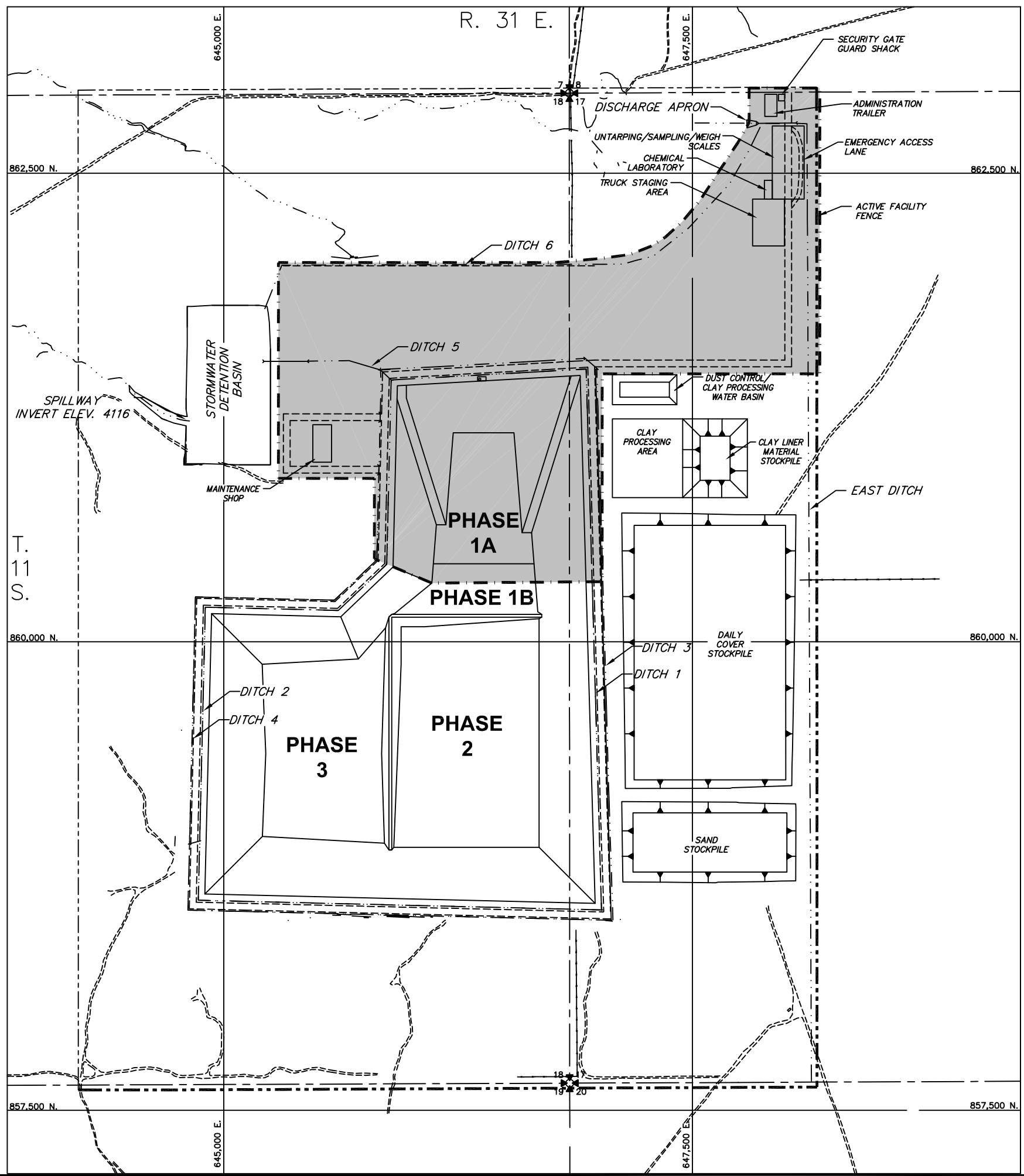
SURFACE WATER CONTROL FEATURES



JOB NO.
 ES11.0141

SHEET 1 of 2
 DWG NO. 25

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LEGEND
 Limits of landfill operations and waste receiving area

NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

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NO	DATE	BY	REVISION MADE
0	10/18/11	GDP	PART B PERMIT APPLICATION RENEWAL

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Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 6050 ACADNEY NE, SUITE 100
 ALBUQUERQUE, NM 87109
 (505) 822-5400

DESIGNED BY:	DATE:
TC	10/4/2011

DRAWN BY:	CHECKED BY:
KCB	GDP

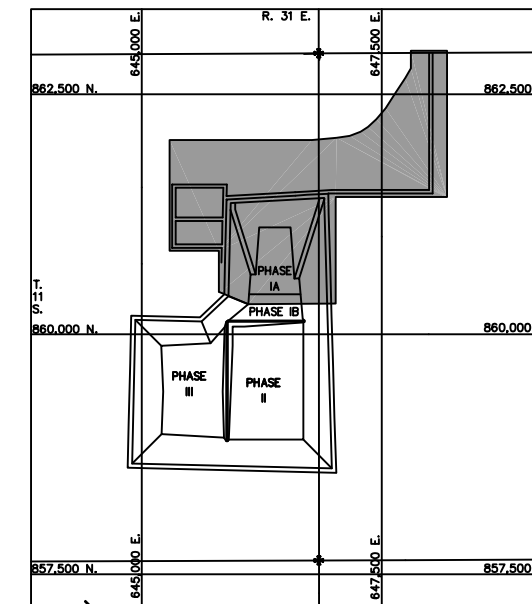
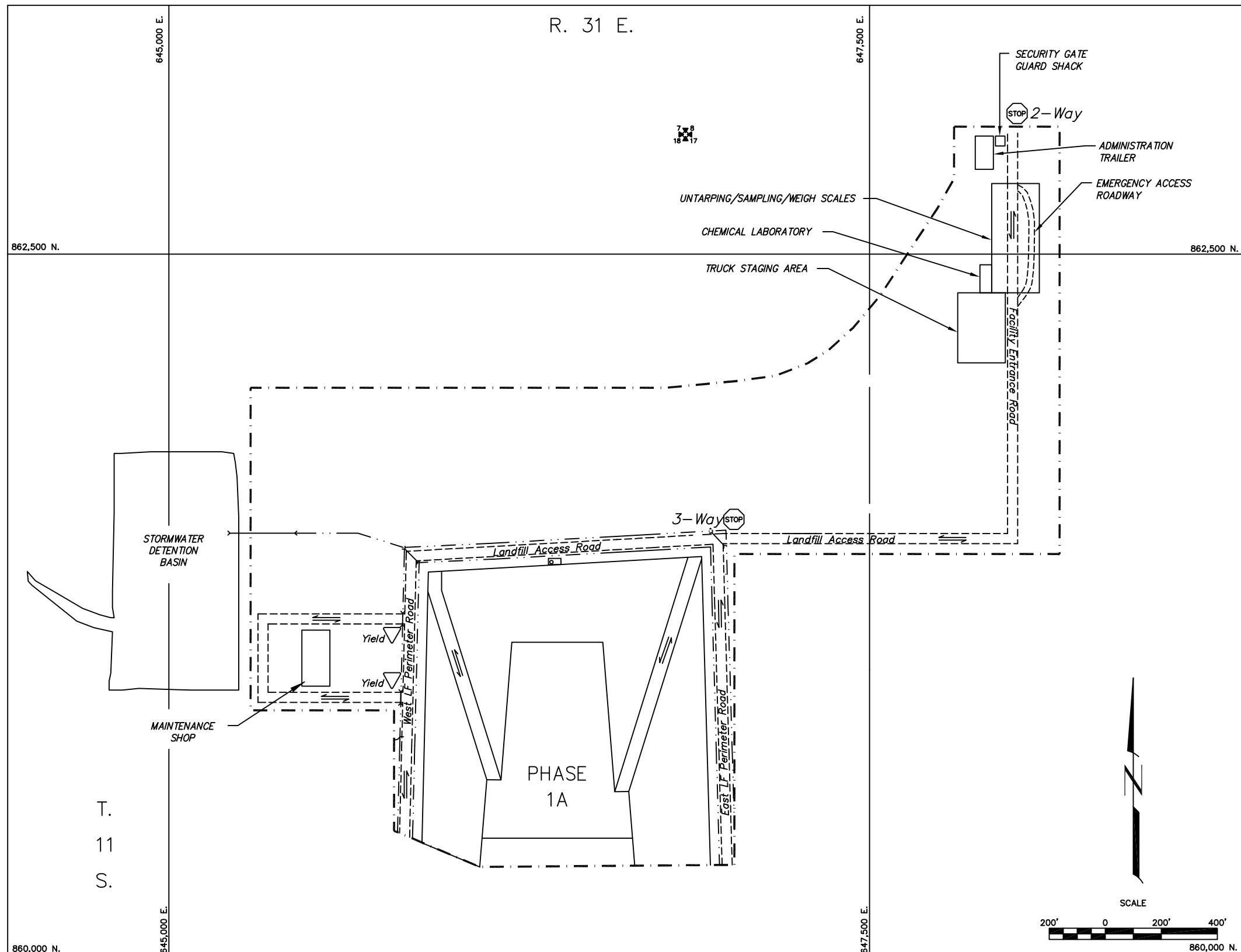
TRIASSIC PARK WASTE DISPOSAL FACILITY
CHAVEZ COUNTY, NEW MEXICO
TRAFFIC PLAN



JOB NO.
 ES11.0141

SHEET 1 of 2
DWG NO. 26

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MAP KEY

NOTES:

1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
2. UNIMPROVED ROADS AND CONSTRUCTION HAUL ROADS NOT SHOWN. GRAVEL LINED ACCESS ROADS ARE 2 WAY TRAFFIC. ALL SITE ACCESS ROADS SPEED LIMIT IS 15 MPH, CONSTRUCTION HAUL ROAD SPEED LIMIT IS 35 MPH.

Daniel B. Stephens & Associates, Inc.
 ENVIRONMENTAL SCIENTISTS & ENGINEERS
 6050 ACADEMY BLVD., SUITE 100
 DALLAS, TEXAS 75244
 (972) 822-9400

DESIGNED BY:	TO:
DRAWN BY:	KUB
CHECKED BY:	GDP
DATE:	10/4/2011

TRIASSIC PARK WASTE DISPOSAL FACILITY
 CHAVEZ COUNTY, NEW MEXICO
TRAFFIC PLAN



JOB NO.
 ES11.0141

SHEET 2 of 2
 DWG NO. 26

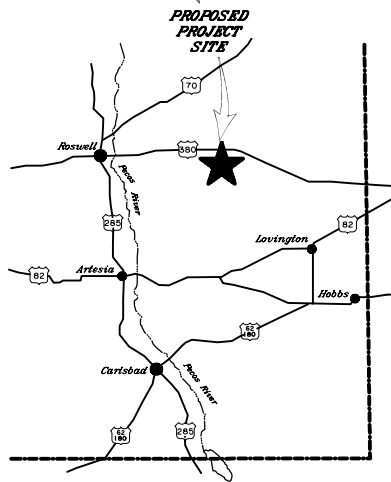
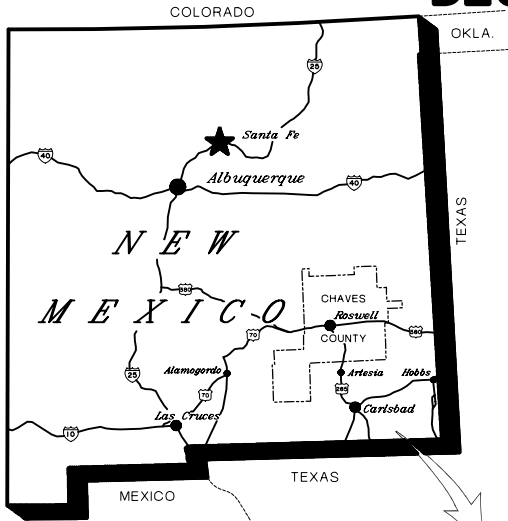
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DESIGN DRAWINGS TRIASSIC PARK WASTE DISPOSAL FACILITY CHAVES COUNTY, NEW MEXICO

DECEMBER 1997 (Revised October 2000)

RCRA PART B APPLICATION

Not For Construction (See Notes Drawing 2)



LIST OF DRAWINGS

<u>DRAWING NO.</u>	<u>DRAWING SERIES</u>
1 - 2	GENERAL
3 - 5	FACILITY
6 - 27	LANDFILL
28 - 32	EVAPORATION PONDS
33 - 36	STABILIZATION UNIT
37 - 39	DRUM HANDLING UNIT
40	LIQUID WASTE STORAGE AREA
41 - 43	TRUCK ROLL-OFF AREA
44	TRUCK WASH LAYOUT AND DETAILS
45	CONCRETE AND GRATING DETAILS



PROFESSIONAL ENGINEER'S STATEMENT

I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, N.M. P.E. 12236

PREPARED BY:


TerraMatrix
MONTGOMERY WATSON
 Mining Group

DESIGN DRAWINGS TRIASSIC PARK WASTE DISPOSAL FACILITY CHAVES COUNTY, NEW MEXICO

DECEMBER 1997 (Revised October 2000)

RCRA PART B APPLICATION

Not For Construction (See Notes Drawing 2)

LIST OF DRAWINGS

Drawings included for reference but eliminated as annotated for 2011 permit renewal.

	DRAWING NO.	DRAWING TITLE
GENERAL	1	COVER SHEET (2 Sheets)
	2	INDEX, LEGEND AND GENERAL NOTES
FACILITY	3	EXISTING TOPOGRAPHY
	4	FACILITY LAYOUT
	5	INITIAL SITE GRADING PLAN
LANDFILL	6	ULTIMATE LANDFILL EXCAVATION PLAN
	7	LANDFILL CROSS-SECTIONS
	8	DETAILED EXCAVATION PLAN - PHASE 1A
	9	TOP OF PROTECTIVE SOIL LAYER - PHASE 1A
	10	FILLING PLAN - PHASE 1A
	11	PHASE 1A CROSS-SECTIONS
	12	LINER DETAILS
	13	COLLECTION BASIN PLAN AND DETAILS
	14	LANDFILL ACCESS RAMP DETAILS
	15	SUMP PLAN VIEW - PHASE 1A
	16	SUMP CROSS-SECTIONS - PHASE 1A

	DRAWING NO.	DRAWING TITLE	
LANDFILL	17	TYPICAL SUMP DETAIL CROSS-SECTION	
	18	VADOSE, LDRS, LCRS CROSS-SECTIONS AND DETAILS	
	19	CREST RISER PAD AND LEACHATE STORAGE TANK PLAN VIEW AND CROSS-SECTIONS (3 Sheets)	
	20	VERTICAL RISER DETAILS (2 Sheets)	
	21	FINAL GRADING PLAN - TOP OF WASTE CONTOURS	
	22	FINAL GRADING PLAN - TOP OF VEGETATIVE COVER CONTOURS	
	23	FINAL COVER DETAILS	
	24	INTERPHASE BERM SECTION	
	25	SURFACE WATER CONTROL FEATURES (2 Sheets)	
	26	TRAFFIC PLAN (2 Sheets)	
	27	PERIMETER ROAD DETAILS	
	EVAPORATION POND	28	EVAPORATION POND SUBGRADE CONTOURS - PHASE 1
		29	EVAPORATION POND CLAY LINER CONTOURS - PHASE 1
		30	EVAPORATION POND LDRS AND VADOSE CONTOURS
31		EVAPORATION POND TRUCK DISCHARGE AREA CONTOURS (2 Sheets)	
32	EVAPORATION POND LDRS AND VADOSE PLAN AND DETAILS		

	DRAWING NO.	DRAWING TITLE
STABILIZATION UNIT	34	STABILIZATION UNIT GENERAL ARRANGEMENT
	35	STABILIZATION UNIT WASTE FLOW DIAGRAM
	36	STABILIZATION UNIT BIN DESIGN
	37	STABILIZATION BIN DESIGN DETAILS (2 Sheets)
	38	DRUM HANDLING UNIT GENERAL ARRANGEMENT
	39	DRUM HANDLING UNIT DETAILS
DRUM HANDLING UNIT	40	DRUM HANDLING UNIT SUMP DETAILS (2 Sheets)
	41	LIQUID WASTE RECEIVING AND STORAGE UNIT LAYOUT (2 Sheets)
	42	TRUCK ROLL-OFF AREA DRAINAGE SURFACE CONTOURS
TRUCK ROLL-OFF AREA	43	TRUCK ROLL-OFF AREA SUBGRADE CONTOURS
	44	TRUCK ROLL-OFF AREA LINER DETAILS (2 Sheets)
	45	TRUCK WASH LAYOUT AND DETAILS (2 Sheets)
	46	CONCRETE AND GRATING DETAILS (5 Sheets)



PROFESSIONAL ENGINEER'S STATEMENT

I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

PREPARED BY:



TerraMatrix
MONTGOMERY WATSON
Mining Group

LEGEND

GENERAL LINES

	FACILITY BOUNDARY AND ACTIVE FACILITY FENCE
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	SUBGRADE EXCAVATION CONTOURS
	TOP OF CLAY LINER
	TOP OF SUBGRADE LAYER
	TOP OF PROTECTIVE SOIL
	TOP OF WASTE
	TOP OF EXISTING SURFACE
	EXISTING GRAVEL ROAD
	EXISTING DRAINAGE
	SECTION LINE
	EDGE OF REGRADE
	GRADE BREAK LINE
	NEW SURFACE WATER DRAINAGE DITCHES
	EDGE OF LINER

GEOSYNTHETIC TYPES

	GEOMEMBRANE
	GEOTEXTILE
	GEONET
	GEOCOMPOSITE
	GCL

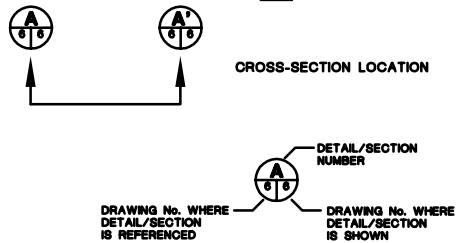
MISCELLANEOUS

	FENCE
	SLOPE
	SECTION CORNER
	SURVEY CONTROL POINT
	CULVERT
	NOMINAL DIAMETER
	DIRECTION OF FLOW

FILL PATTERNS

	CLAY LINER
	DRAINAGE GRAVEL
	FOUNDATION/PIPE BEDDING SAND
	SUBGRADE
	PREPARED SUBGRADE
	SUBBASE
	PROTECTIVE SOIL
	VEGETATIVE COVER
	CONCRETE
	ROAD-BASE
	STRUCTURAL FILL
	ALLUVIAL DEPOSITS
	UPPER DOCKUM
	LOWER DOCKUM
	WASTE
	SELECT SUBBASE

KEY



GENERAL NOTES

- DRAWINGS PRESENT FINAL DESIGNS FOR THE RCRA PERMITTED FACILITIES. DETAILS ON THE RCRA COMPONENTS OF THE FACILITIES MAY BE SUPPLEMENTED DURING THE BIDDING AND CONSTRUCTION PHASE. GANDY MARLEY WILL SUPPLY THE ADDITIONAL DETAILS ON THE NON-RCRA COMPONENTS OF THE DESIGN TO NMD FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION.
- DESIGN DRAWINGS WERE PREPARED FOR PART "B" PERMIT SUBMITTAL.
- DESIGN DRAWINGS TO BE USED IN CONJUNCTION WITH CONSTRUCTION SPECIFICATIONS AND CONSTRUCTION QUALITY ASSURANCE PLAN.
- THIS SET OF DRAWINGS TO BE USED FOR PART B PERMIT APPLICATION. DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION. ADDITIONAL WORK TO BE COMPLETED TO ISSUE DRAWINGS FOR CONSTRUCTION INCLUDE THE FOLLOWING:
 - RECEIPT OF PART B PERMIT
 - SURVEY GRID POINT LISTING FOR CONSTRUCTION STAKING
 - REVIEW AND APPROVAL OF CONTRACTOR EQUIPMENT, MATERIALS, PROCEDURES, SUBMITTALS AND SHOP DRAWINGS.
- TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST, 1997, KOOGLE & POULS ENGINEERING.
- PROTECTIVE SOIL CONSISTS OF SELECT ONSITE SOILS.
- GEOCOMPOSITE CONSISTS OF GEOTEXTILE BONDED TO GEONET.
- GEOMEMBRANE IS A MINIMUM 60 mil HDPE.
- 48-in. WIDE USED CONVEYOR BELT SHALL NOT HAVE STEEL WIRE REINFORCEMENTS OR OTHER PROTRUSIONS WHICH MAY DAMAGE UNDERLYING GEOMEMBRANE.
- EVAPORATION POND TOPOGRAPHY ON DRAWING 29 IS TOP OF CLAY LINER.
- ACTUAL SIZE, LOCATION, AND ORIENTATION OF STABILIZATION FACILITY AND ANCILLARY STRUCTURES AND EQUIPMENT TO BE DETERMINED DURING FINAL DESIGN.
- TOTAL CAPACITY OF COLLECTION BASIN POND NEEDED: 6.0 AC-FT.
- ELECTRICAL AND PIPING TO BE DESIGNED BY CONTRACTOR. SHOP DRAWINGS TO BE SUBMITTED FOR REVIEW AND APPROVED BY ENGINEER.
- ALL ANCILLARY EQUIPMENT WILL BE SUPPORTED AND PROTECTED AGAINST PHYSICAL DAMAGE AND EXCESSIVE STRESS DUE TO SETTLEMENT, VIBRATION, EXPANSION, OR CONSTRUCTION, AND WILL BE INSTALLED ACCORDING TO API PUBLICATION 1615 (NOVEMBER 1979) OR ANSI STANDARD B31.2 AND ANSI STANDARD B31.4.
- ALL GEOSYNTHETIC MATERIALS HAVE BEEN EXAGGERATED FOR CLARITY.
- ALL CONCRETE SURFACES WHICH ARE EXPOSED TO POTENTIALLY HAZARDOUS MATERIALS AND ARE INTENDED AS CONTAINMENT FEATURES OR DIP PADS SHALL BE EPOXY COATED.
- ALL PIPING WITHIN LINED FACILITIES WILL BE SINGLE WALL PIPE. DOUBLE WALL PIPE WILL BE USED FOR ALL PIPING OUTSIDE OF LINED FACILITIES.
- LDRS - LEACHATE COLLECTION REMOVAL SYSTEM
- LDRS - LEAKAGE DETECTION REMOVAL SYSTEM
- USCS - UNIFIED SOIL CLASSIFICATION SYSTEM IS A SYSTEM WHICH CLASSIFIES SOIL TYPES ACCORDING TO SOIL TEXTURE AND GRAIN SIZE.
- CONCRETE STRUCTURAL DETAILS ARE SHOWN ON DRAWING 45. THESE APPLY TO ANY CONCRETE SHOWN THROUGHOUT THE DRAWING SET.
- DAILY COVER WILL CONSIST OF SOIL SPREAD ON TOP OF THE LANDFILL WASTE PLACEMENT AREA TO A DEPTH OF APPROXIMATELY 0.5 FEET.
- PERMIT APPLICATION APPLIES TO PHASE 1A.

Not For Construction

REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY
4	October 2000 Revision	10/14/00	J.Palmer	K.Corsath	P.Corsar
3	November 1999 Update	11/02/99	J.Trancoso	M.Mitchell	P.Corsar
2	September 1998 Revision	9/17/98	P.Corsar	K.Corsath	P.Corsar
1	November 1996 Revision	10/29/96	J.Palmer	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	03/20/97	PQC/JP	K.Corsath	P.Corsar



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corsar, NM P.E. 12236

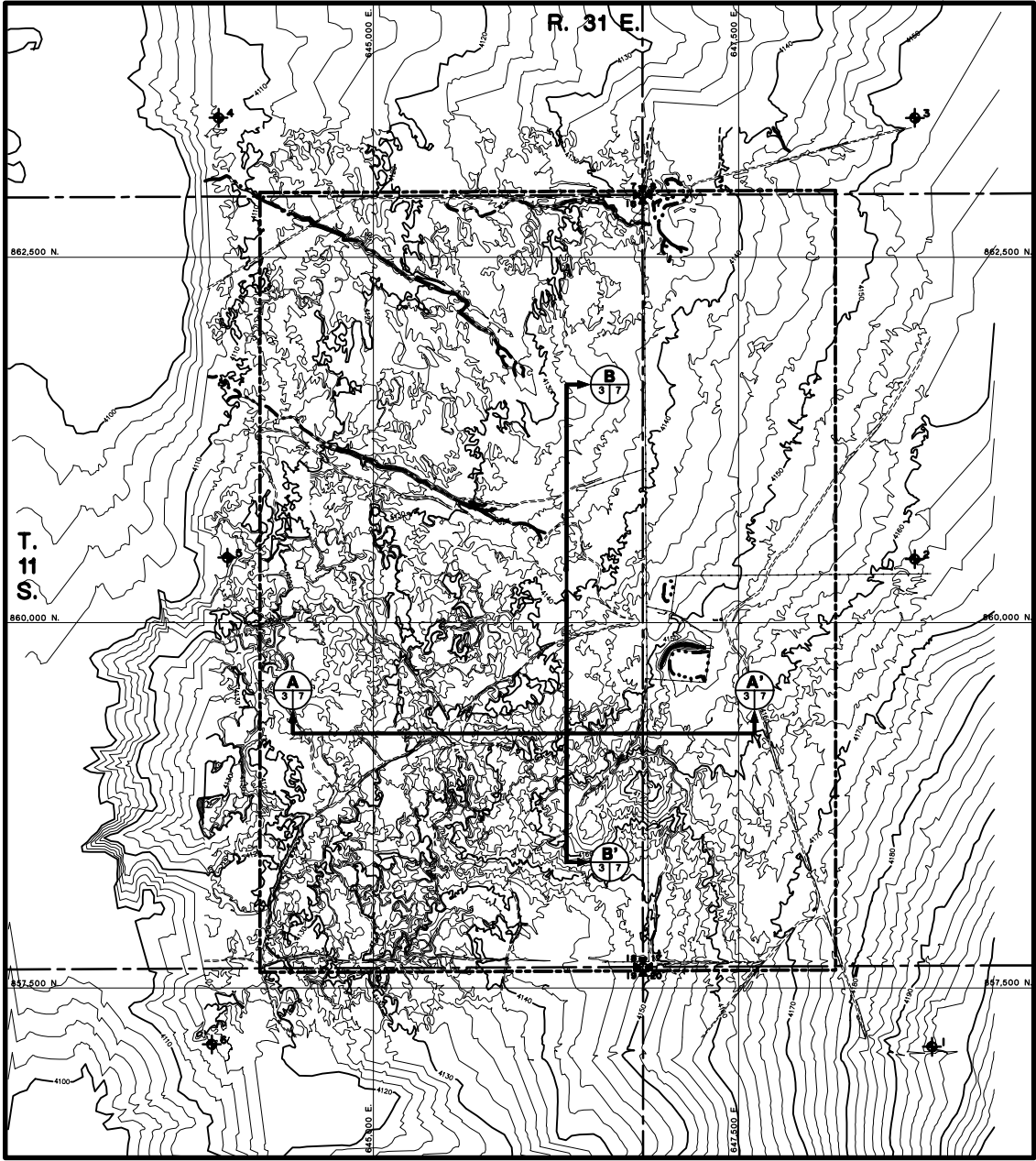
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
**INDEX, LEGEND
AND GENERAL NOTES**

TerraMatrix
 MONTGOMERY WATSON
 Making Group

Sheet 1 Of 1 Sheets
 SCALE: DRAWING No.
 Not to Scale **2**

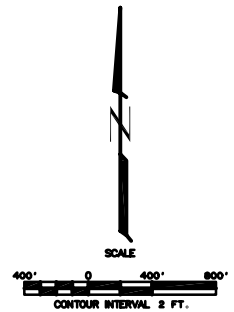
AUTOCAD FILE: GANDY-LEZDZD.WG PROJECT NUMBER: 802-0200



SURVEY CONTROL POINTS

CONTROL POINT NUMBER	NORTHING	EASTING	ELEVATION
1	857,099.19	848,823.16	4,197.55
2	860,436.24	848,704.91	4,161.92
3	863,453.55	848,706.31	4,152.96
4	863,454.95	843,940.29	4,105.99
5	860,445.06	844,000.06	4,113.51
6	857,114.96	843,893.71	4,116.20

- NOTES:**
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEY PERFORMED AUGUST 1987 BY KOOGLE AND POULS ENGINEERING. ADDITIONAL TOPO TAKEN FROM MESCALERO POINT, NEW MEXICO 7.5 MINUTE SERIES, DATED 1973.
 3. SURVEY CONTROL POINTS SET IN FIELD WITH REBAR AND CAP BY JOHN WEST ENGINEERING COMPANY, AUGUST 1987.



Not For Construction

1	October 2000 Revision	10/1/00	J.Pulver	K.Cornish	P.Corsar
2	PART B PERMIT APPLICATION	02/15/97	PGC/APP	T.Smith	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND ISSUED BY



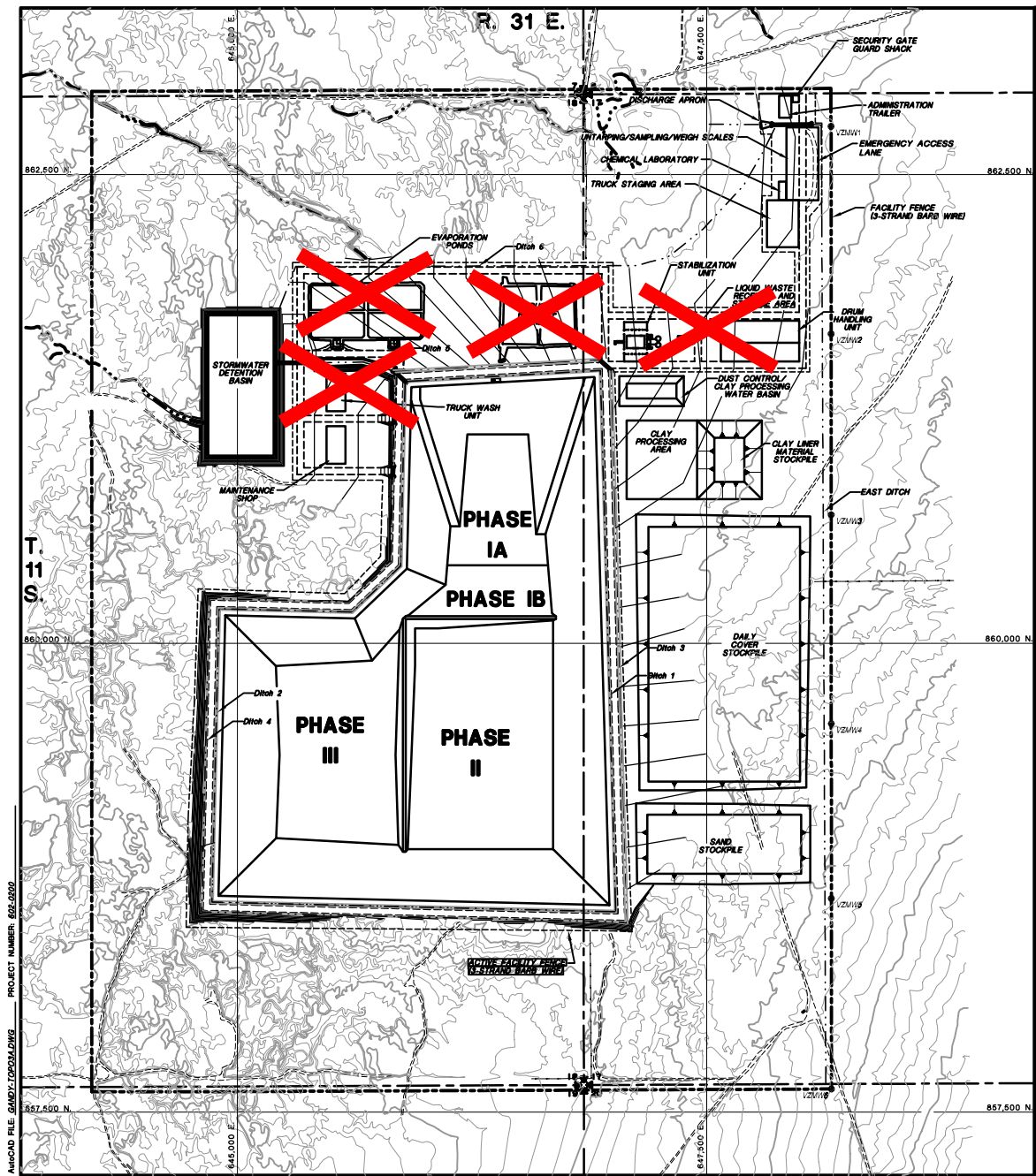
PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corsar, NM P.E. 12236

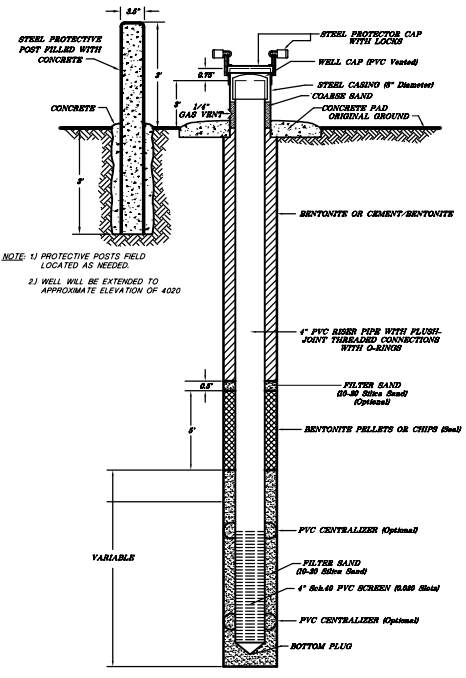
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
EXISTING TOPOGRAPHY

TerraMatrix MONTGOMERY WATSON Inc. Group	Sheet <u> </u> of <u> </u> Sheets
	SCALE: AS NOTED DRAWING No. 3



TYPICAL VADOSE ZONE MONITORING WELL INSTALLATION DETAIL



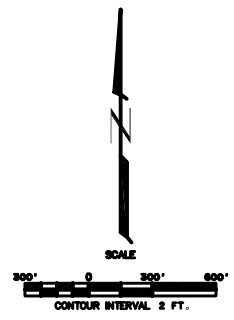
NOTE: 1) PROTECTIVE POSTS FIELD LOCATED AS NEEDED.
 2) WELL WILL BE EXTENDED TO APPROXIMATE ELEVATION OF 4020

LEGEND

- EXISTING CONTOUR
- REGRADED CONTOUR
- VZUW1 ● VADOSE ZONE MONITORING WELLS
- - - - FACILITY AND ACTIVE FACILITY FENCES (3-Strand Barb Wire)

Drawing replaced by DBS&A for 2011 permit renewal under separate cover, including the notations shown on this sheet.

- NOTES:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLE AND POULS ENGINEERING.
 3. THE VADOSE ZONE MONITORING WELLS WILL BE EXTEND TO ELEVATION 4020, APPROXIMATELY.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this map was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

#	November 1998 Update	11/02/99	J.Troscio	M.Moham	P.Corser
1	November 1998 revision	10/29/98	J.Pfeiffer	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	01/21/97	PDC/JPP	T.Smith	P.Corser
REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
FACILITY LAYOUT

TerraMatrix
 MONTGOMERY WATSON
 Mang Group

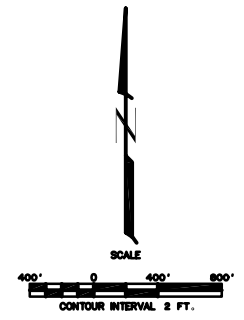
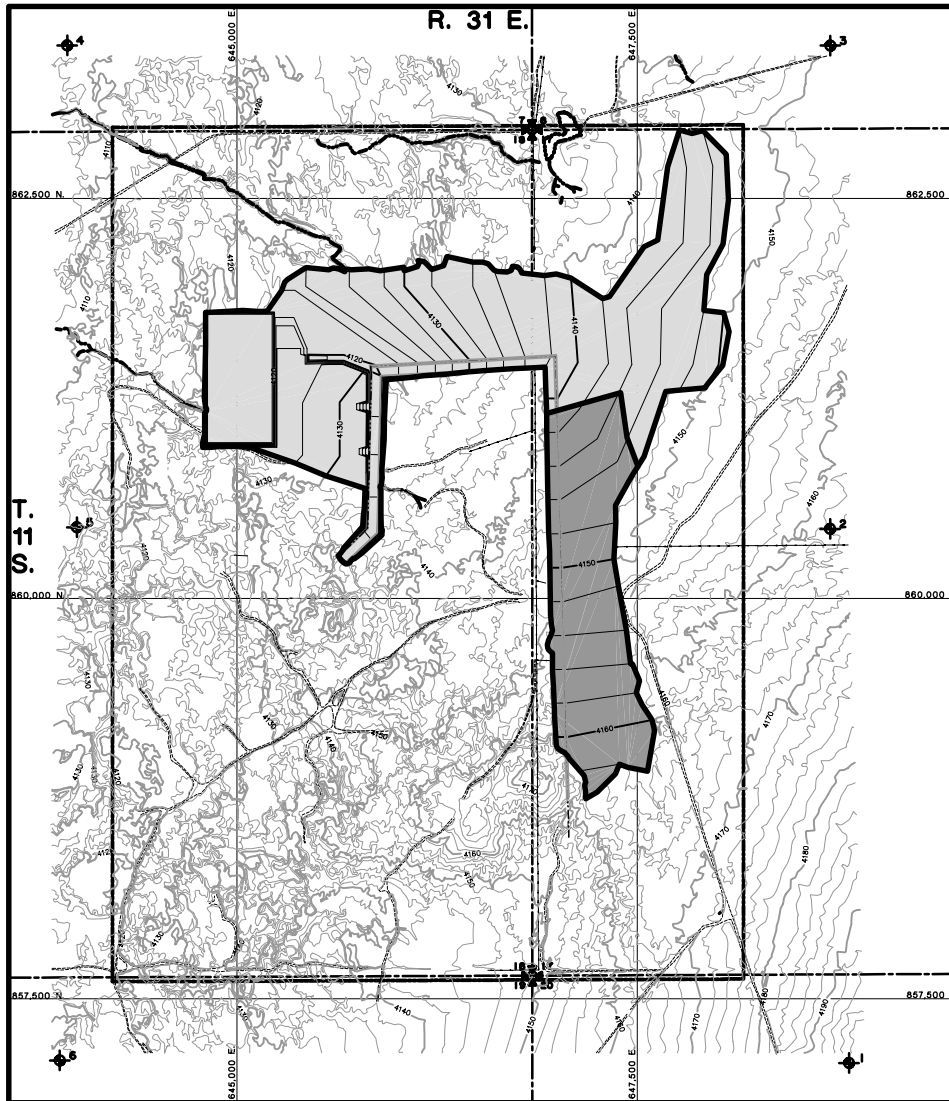
Sheet of Sheets
 SCALE: AS NOTED
 DRAWING No. **4**

AutoCAD FILE: GANDY_C0206LAW08 PROJECT NUMBER: 855-2650

LEGEND

-  REGRADE AREA - CUT - 229,200 cy
-  REGRADE AREA - FILL - 75,100 cy

- NOTES:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLE AND POULS ENGINEERING.
 3. SURVEY CONTROL POINTS SET IN FIELD WITH REBAR AND CAP BY JOHN WEST ENGINEERING COMPANY, AUGUST 1997.



Not For Construction

1	October 2000 Revision	10/14/00	J.Pellmar	K.Coverth	P.Corsar
2	PART B PERMIT APPLICATION	12/12/01	PGD/PP	T.Smith	P.Corsar
REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

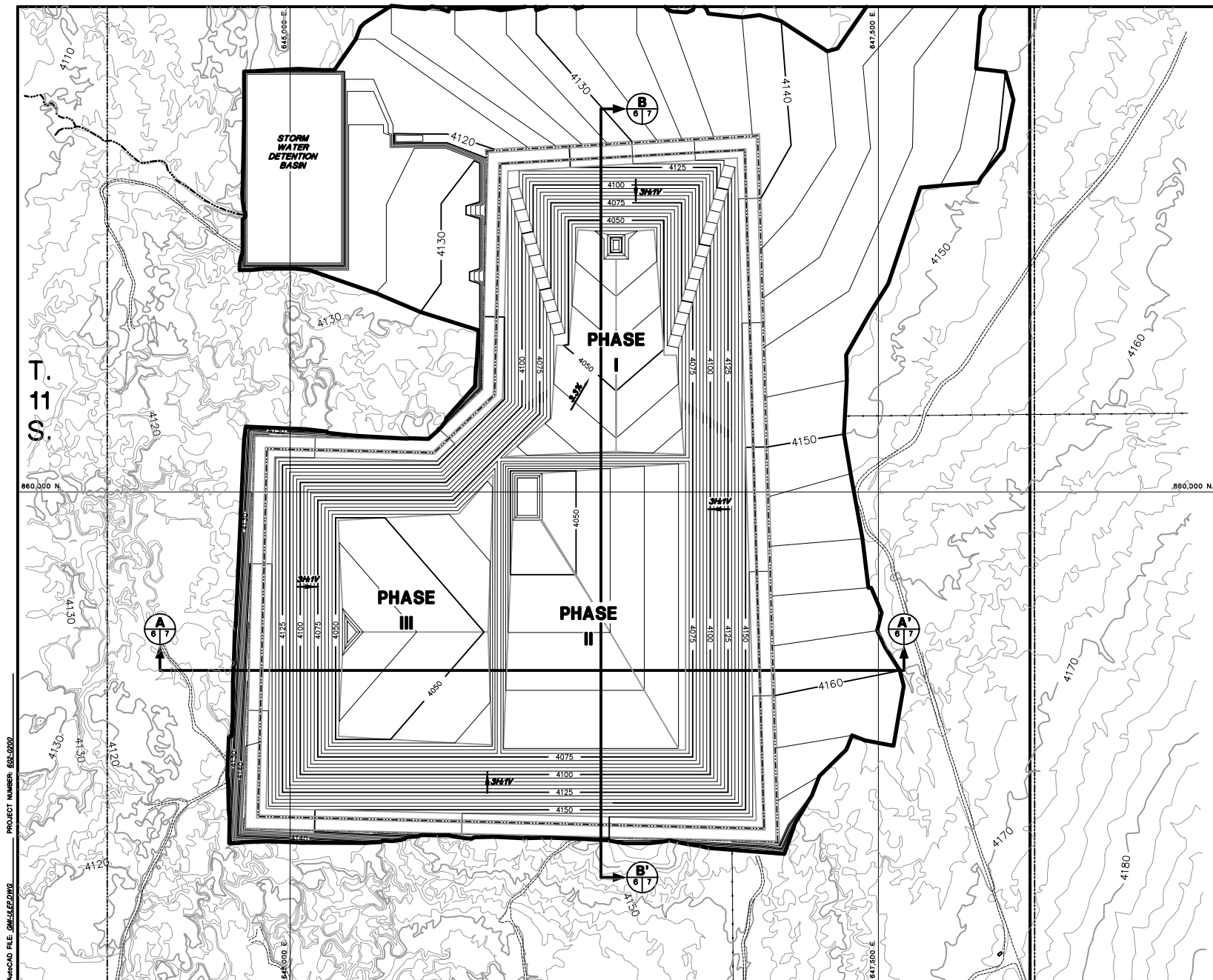
DRAWING TITLE:
INITIAL SITE GRADING PLAN



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corsar, NM P.E. 12236

 TerraMatrix MONTGOMERY WATSON M&E Group	Sheet <u>1</u> Of <u>1</u> Sheets
	SCALE: AS NOTED DRAWING No. 5



- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.
 - BASE GRADES FOR PHASES I AND II TO BE MODIFIED PRIOR TO CONSTRUCTION TO ACHIEVE A MINIMUM OF 2%.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, MI P.E. 12236



SCALE
 200' 0 200' 400'
 CONTOUR INTERVAL 5 FT.
 SURFACE TOPOGRAPHY CONTOUR INTERVAL 2 FT.

Not For Construction

2	October 2008 Revision	10/1/08	J.Palmer	K.Corneth	P.Corser
1	November 1998 Revision	10/29/98	J.Palmer	T.Smith	P.Corser
0	PART 8 PERMIT APPLICATION	12/12/97	PGC/APP	ENS	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND APPROVED BY

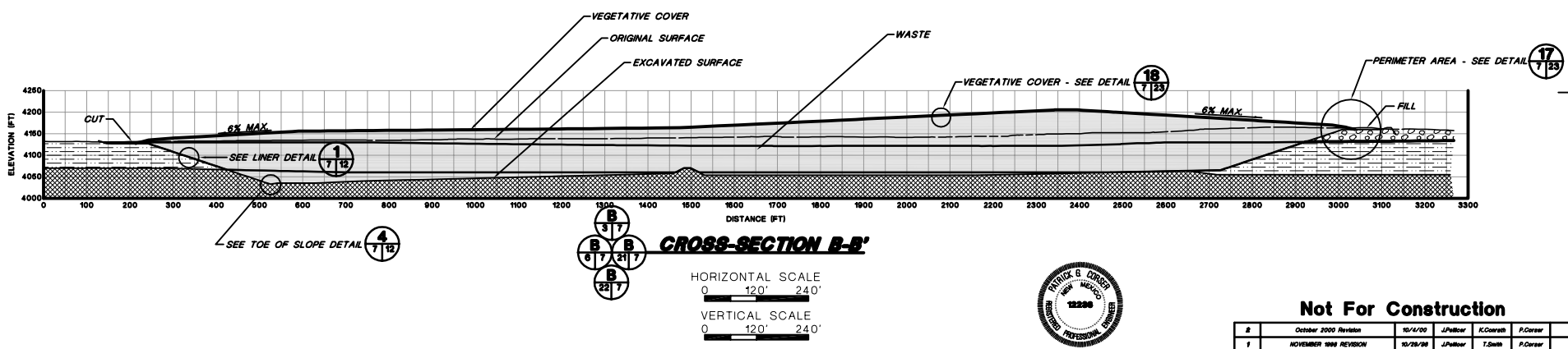
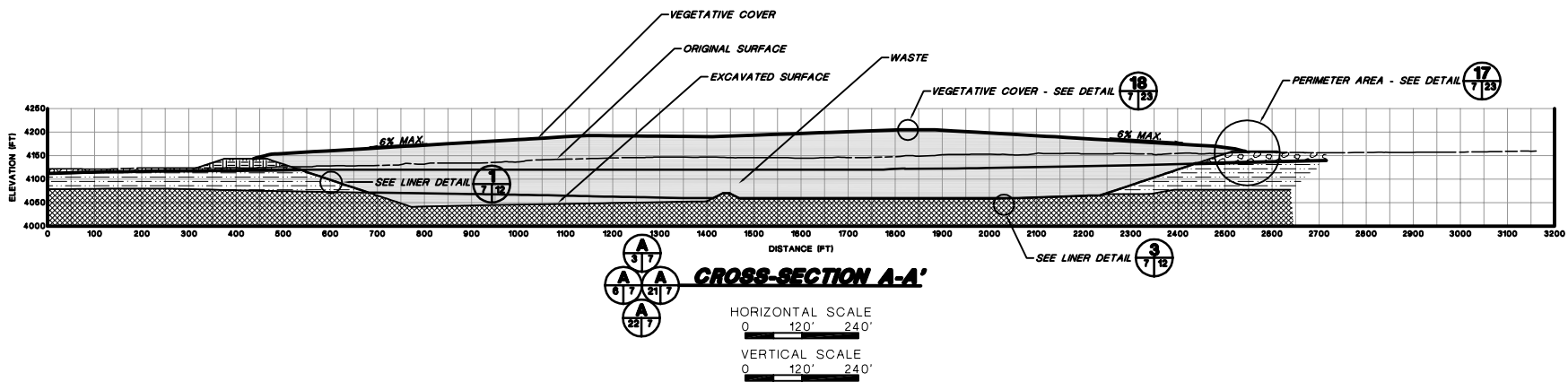
**TRIASSIC PARK
 WASTE DISPOSAL FACILITY**

DRAWING TITLE: **ULTIMATE LANDFILL
 EXCAVATION PLAN**

TerraMatrix
 MONTGOMERY WATSON
 Waste Group

Sheet of Sheets
 SCALE: AS NOTED
 DRAWING NO. **6**

PROJECT NUMBER: 802-5020
 AutoCAD FILE: 20041022.DWG



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.
 Date Patrick G. Corser, NM P.E. 12236

- NOTES:**
- CROSS-SECTIONS NOT CUT PERPENDICULAR TO COVER CONTOURS; THEREFORE TRUE COVER SLOPES NOT SHOWN.
 - EXTENT OF GEOLOGIC UNITS IS INFERRED BASED ON SUBSURFACE EXPLORATION PROGRAM.
 - SYMBOLS FOR GEOLOGIC UNITS ARE SHOWN ON DRAWING 2.
 - FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

Not For Construction

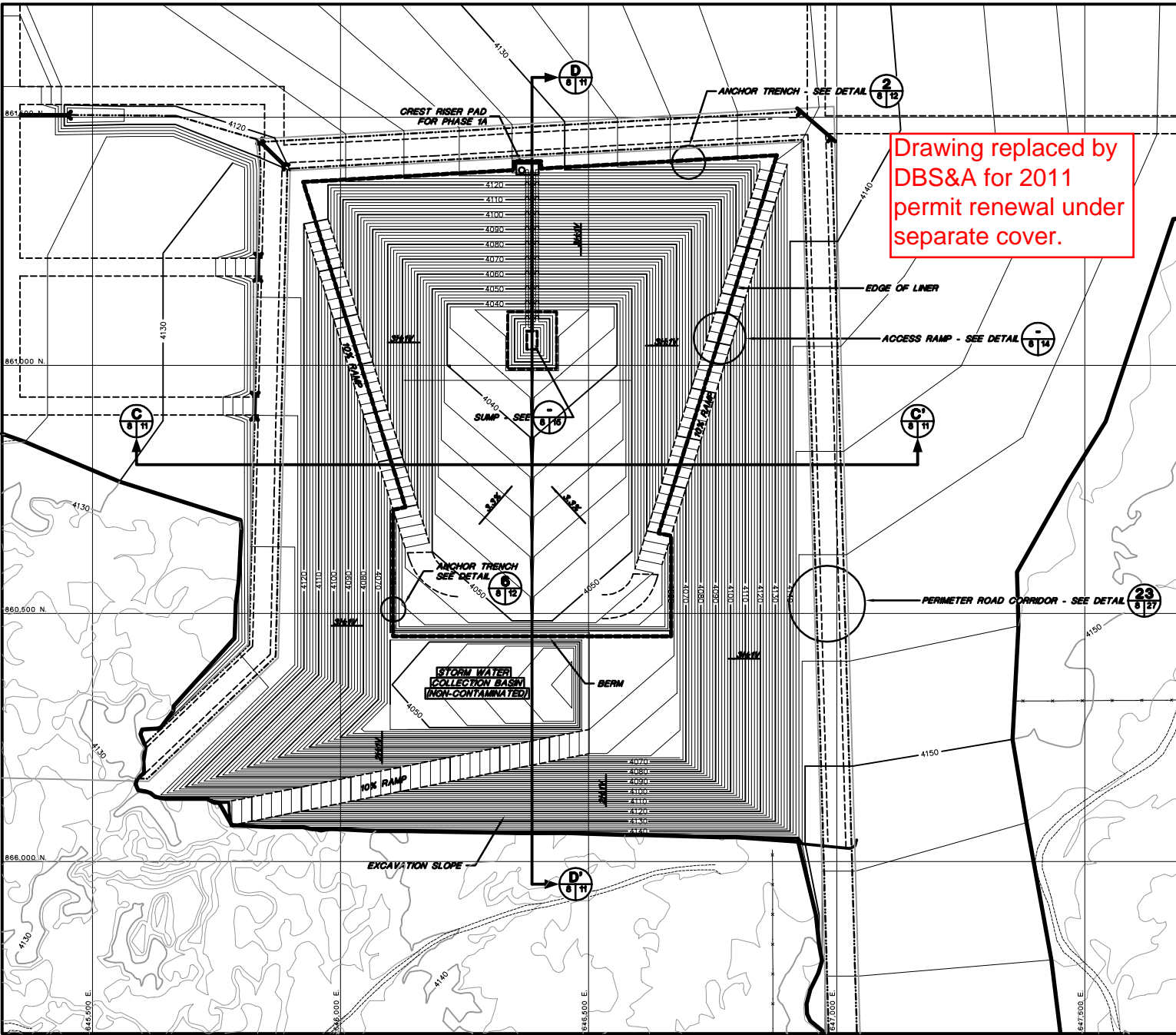
#	October 2000 Revision	10/4/00	J.Pellico	K.Covath	P.Corser
1	NOVEMBER 1998 REVISION	10/28/98	J.Pellico	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	5/15/97	PGC/JPP	T.Smith	P.Corser

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

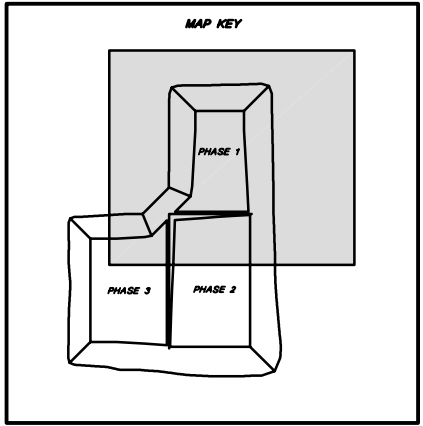
LANDFILL CROSS-SECTIONS

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 1 of 1 Sheets
 SCALE: AS NOTED
 DRAWING No. 7



Drawing replaced by DBS&A for 2011 permit renewal under separate cover.

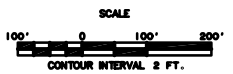


- NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLE AND POLLS ENGINEERING.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236



Not For Construction

#	October 2000 Revision	10/4/00	J.Pellor	K.Corsas	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
0	PART 8 PERMIT APPLICATION	12/12/97	PGC/APP	T.Smith	P.Corsar
REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

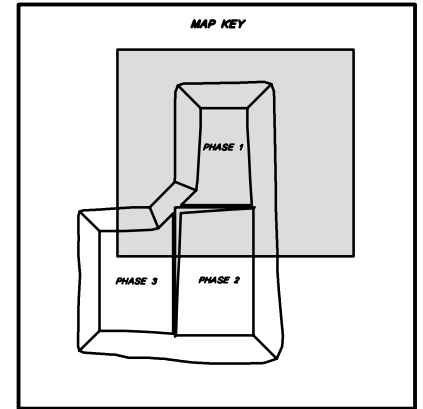
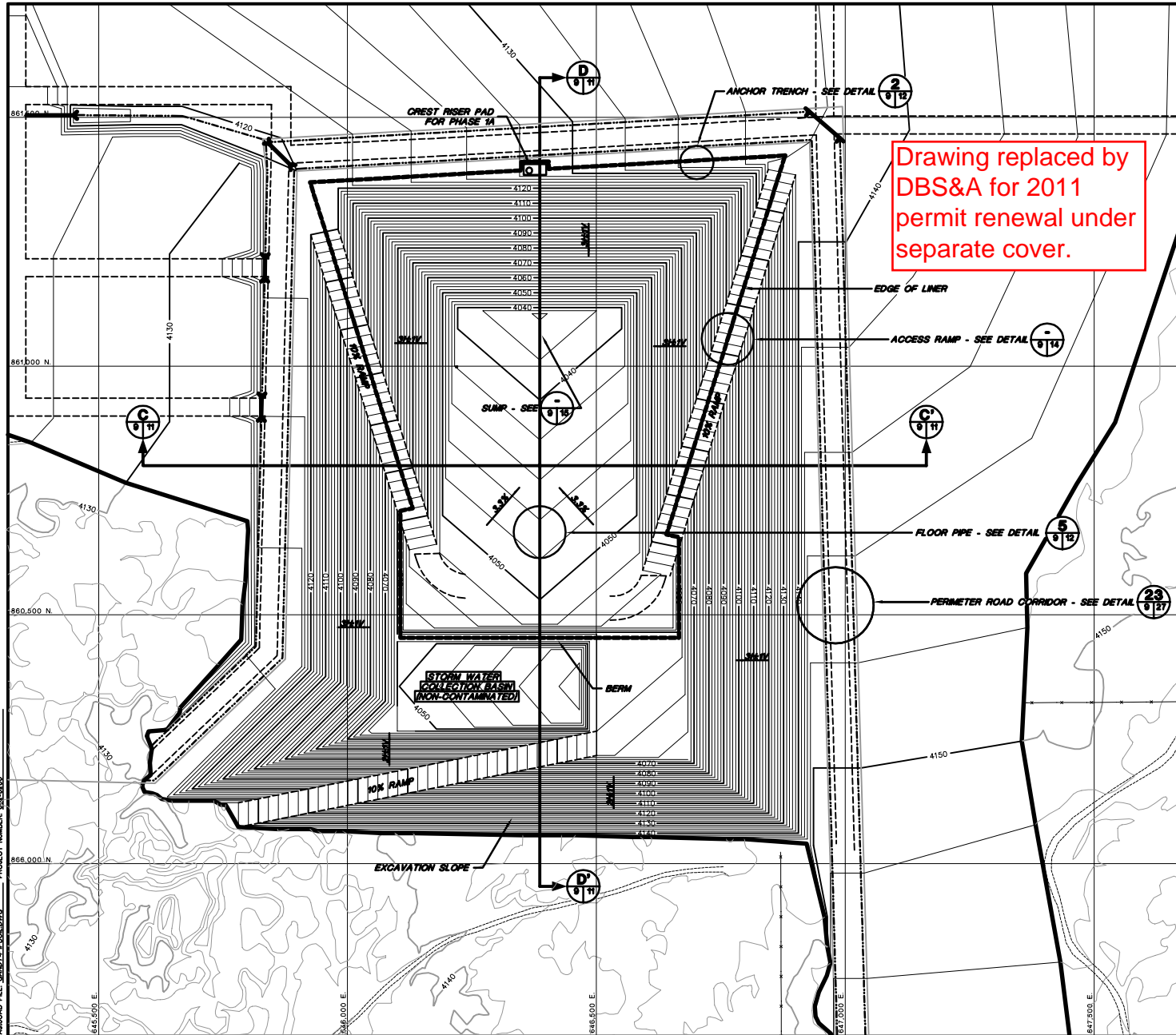
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**DETAILED EXCAVATION PLAN -
PHASE 1A**

 **TerraMatrix**
 MONTGOMERY WATSON
 Mining Group

Sheet 1 Of 1 Sheets
 SCALE: AS NOTED DRAWING No. 8

PROJECT NUMBER: 822-5200
ARCAD FILE: GA072/PFES01.DWG



- NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1987 BY KOOGLE AND POULS ENGINEERING.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NJ P.E. 12236



Not For Construction

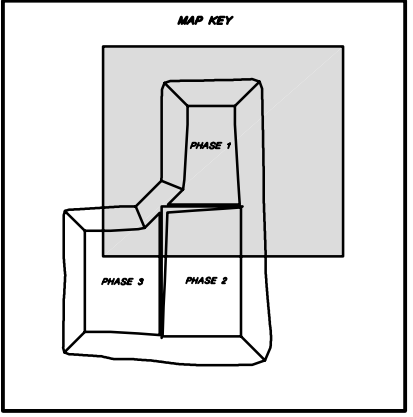
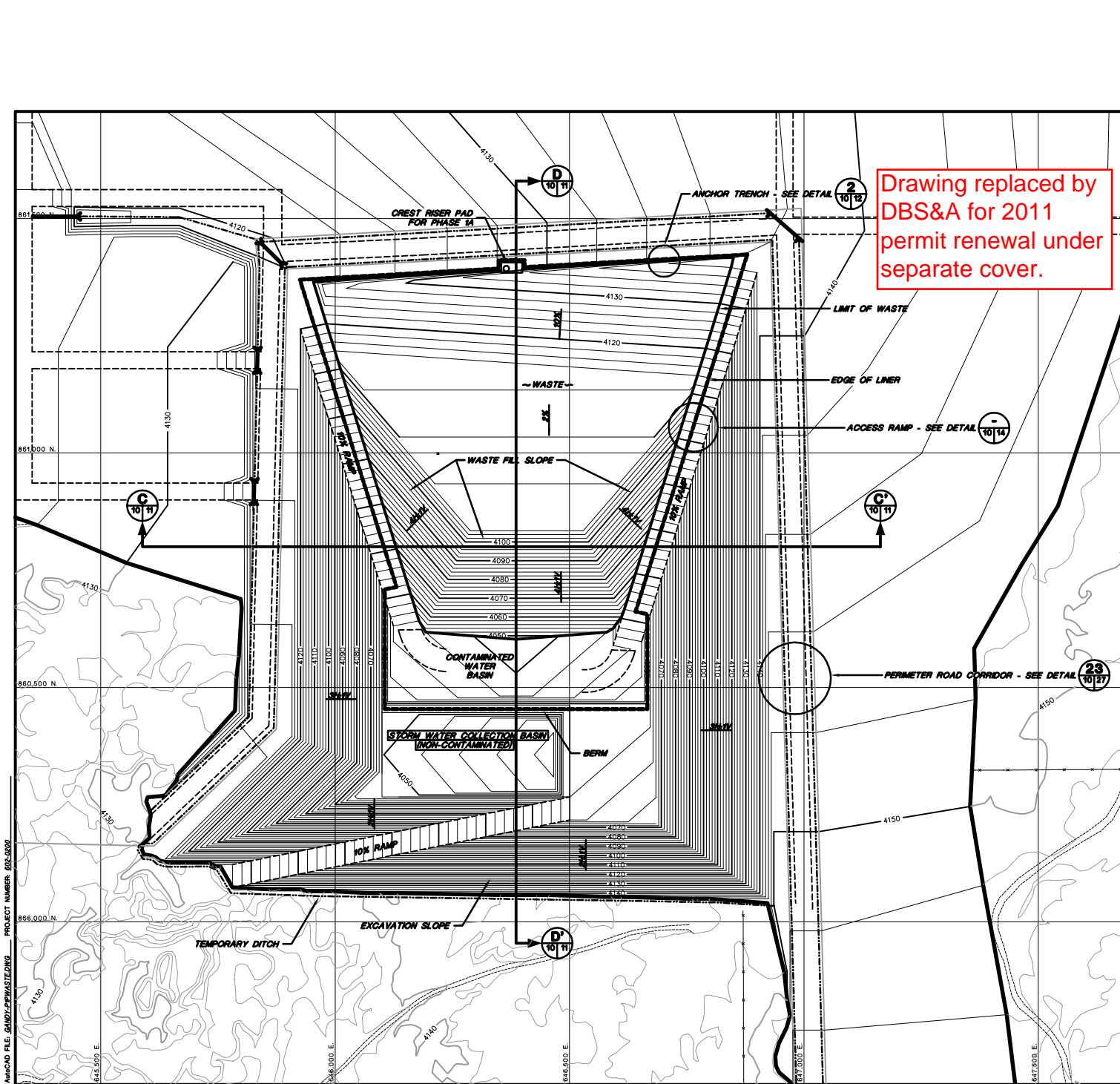
#	October 2000 Revision	10/4/00	J.Palmer	K.Gorath	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Dunn	P.Corser
2	PART B PERMIT APPLICATION	10/10/97	PSC/JAP	T.Dunn	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**TOP OF PROTECTIVE SOIL LAYER -
PHASE 1A**

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 1 of 1 Sheets
 SCALE: AS NOTED
 DRAWING No. 8

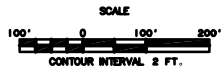


- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.
 - WASTE FILL VOLUME FOR PHASE 1A: 563,200 CY



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236



Not For Construction

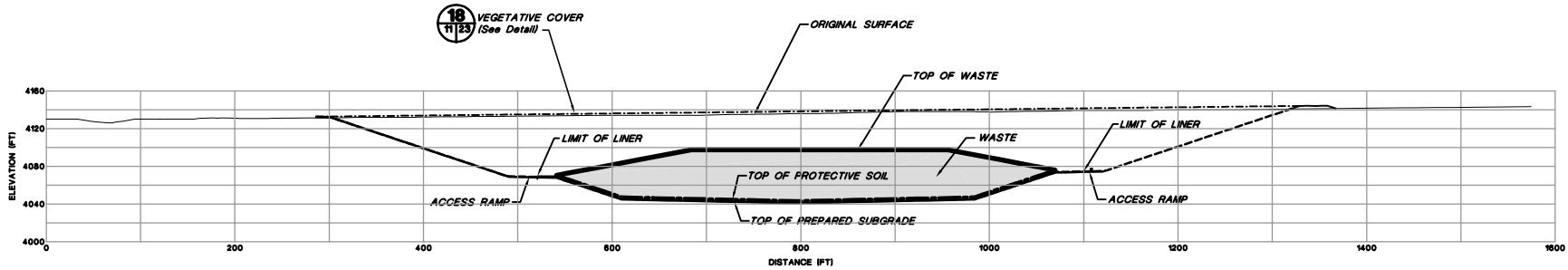
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND SIGNED BY
4	October 2000 Revision	10/11/00	J.Palmer	K.Cornwall	P.Corser
3	November 1999 Update	1/22/99	J.Trommsdorff	M.Matthews	P.Corser
2	SEPTEMBER 1998 REVISION	9/21/98	P.Corser	K.Cornwall	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	02/02/97	PGC/JPP	T.Smith	P.Corser

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **FILLING PLAN - PHASE 1A**

AutoCAD FILE: GARDY-PEWASTEDWG PROJECT NUMBER: 003-0020

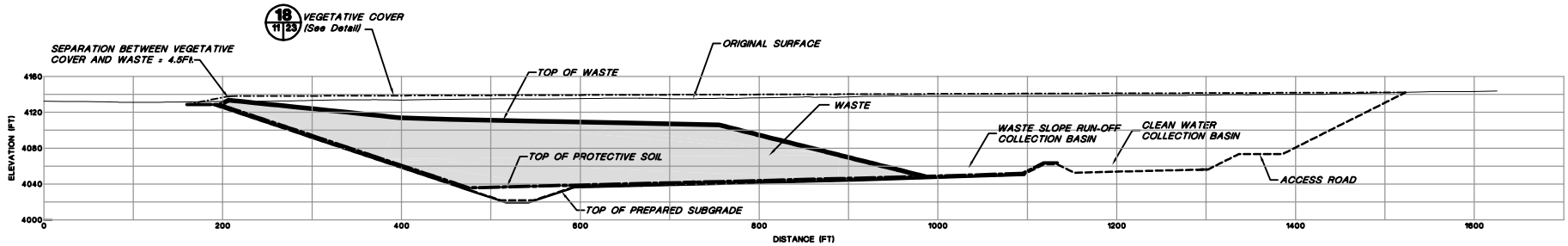
AUGCAD FILE: GANDLPHI03SEC.DWG PROJECT NUMBER: 602-0200



PHASE 1A CROSS-SECTION C-C'

HORIZONTAL SCALE
0 60' 120'

VERTICAL SCALE
0 60' 120'



PHASE 1A CROSS-SECTION D-D'

HORIZONTAL SCALE
0 60' 120'

VERTICAL SCALE
0 60' 120'



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

- NOTES:**
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - DAILY COVER WILL CONSIST OF SOIL SPREAD ON TOP OF THE WASTE PLACEMENT AREA. MINIMUM DAILY COVER THICKNESS WILL BE APPROXIMATELY 0.5 FEET.

Not For Construction

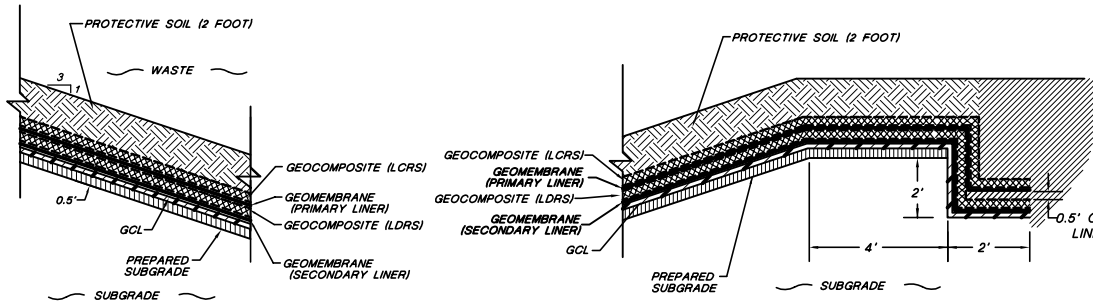
NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND CHECKED BY
1	October 2000 Revision	10/14/00	J.Palmer	K.Covath	P.Corser
2	NOVEMBER 1999 UPDATES	11/02/99	J.Trennon	M.Melikian	P.Corser
3	NOVEMBER 1999 REVISION	10/28/99	J.Palmer	T.Smith	P.Corser
4	PHASE 1 PERMIT APPLICATION	10/10/97	PGC/APD	T.Smith	P.Corser

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
PHASE 1A CROSS-SECTIONS

TerraMatrix
MONTGOMERY WATSON
MWH Group

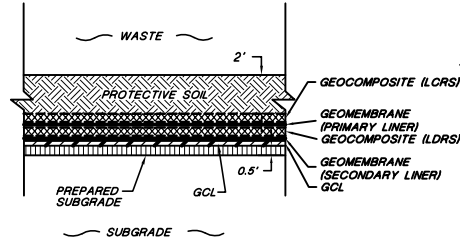
Sheet **1** Of **1** Sheets
SCALE: AS NOTED
DRAWING No. **11**



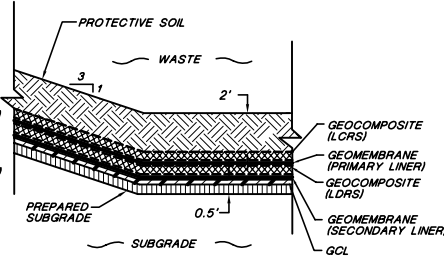
1 SLOPE LINER SYSTEM DETAIL
Not To Scale



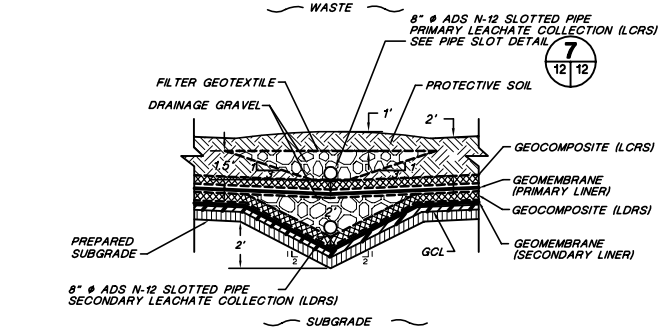
2 LINER ANCHOR TRENCH DETAIL
Not To Scale



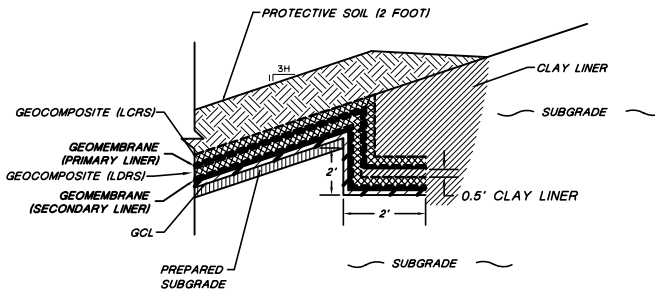
3 FLOOR LINER SYSTEM DETAIL
Not To Scale



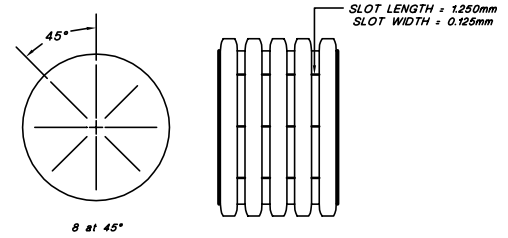
4 TOE OF SLOPE LINER SYSTEM DETAIL
Not To Scale



5 FLOOR PIPE DETAIL
Not To Scale



6 SLOPE ANCHOR TRENCH
Not To Scale



7 ADS N-12 PIPE SLOT DETAIL
Not To Scale

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

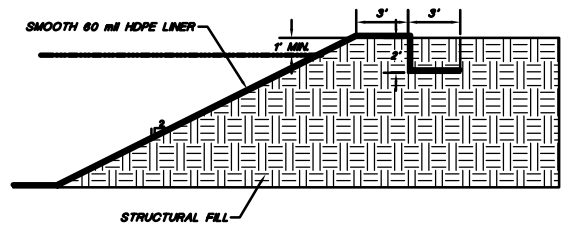
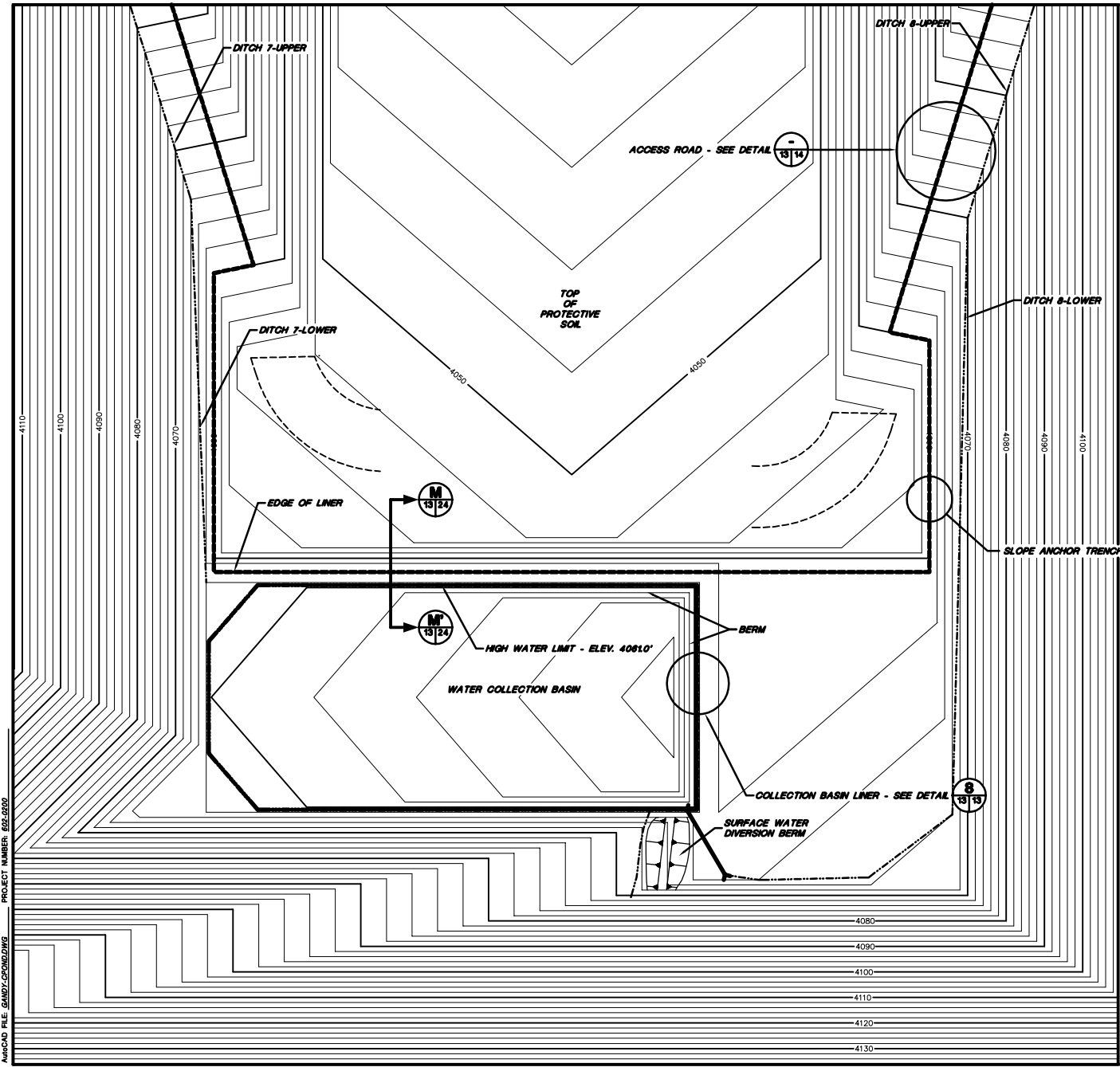
#	October 2000 Revision	10/14/00	J.Pellor	K.Corsar	P.Corsar
#	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
#	PART B PERMIT APPLICATION	12/12/97	PGC/JP	K.Corsar	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
LINER DETAILS

	TerraMatrix	Sheet <u> </u> of <u> </u> Sheets
	MONTGOMERY WATSON	SCALE: <u> </u> DRAWING No. <u> </u>
	As Shown	12

PROJECT NUMBER: 602-0209
AutoCAD FILE: JMBZTSL2.DWG



8 COLLECTION BASIN BERM DETAIL
NOT TO SCALE

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corcoran, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.
Date Patrick G. Corcoran, MI P.E. 12236

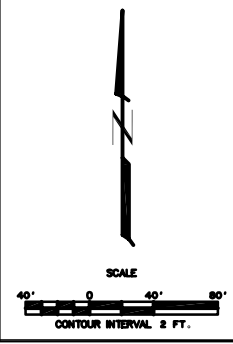
Not For Construction

2	October 2000 Revision	10/14/00	J.Pellor	K.Clarck	P.Corcoran
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corcoran
0	PART B PERMIT APPLICATION	12/12/97	PGC/PP	T.Smith	P.Corcoran
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

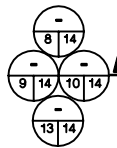
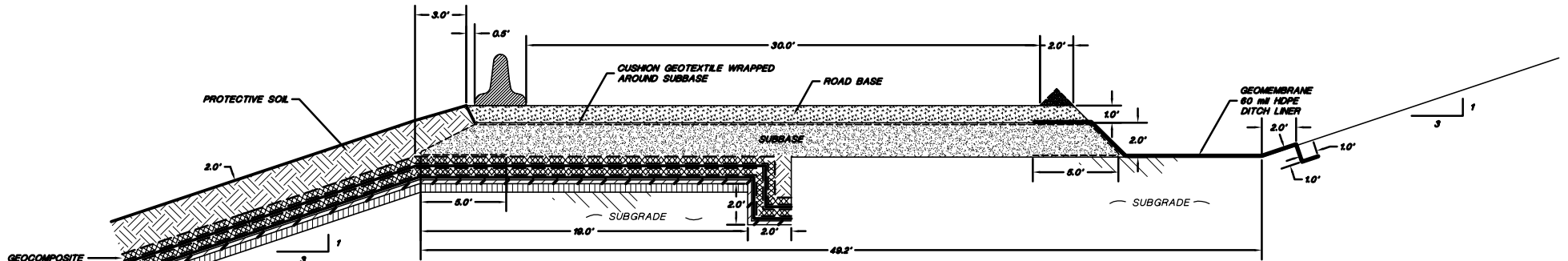
DRAWING TITLE: **COLLECTION BASIN
PLAN AND DETAILS**

TerraMatrix MONTBOMERY WATSON Mining Group	Sheet <u>1</u> Of <u>1</u> Sheets
	SCALE: AS NOTED DRAWING No. 13

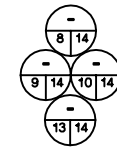
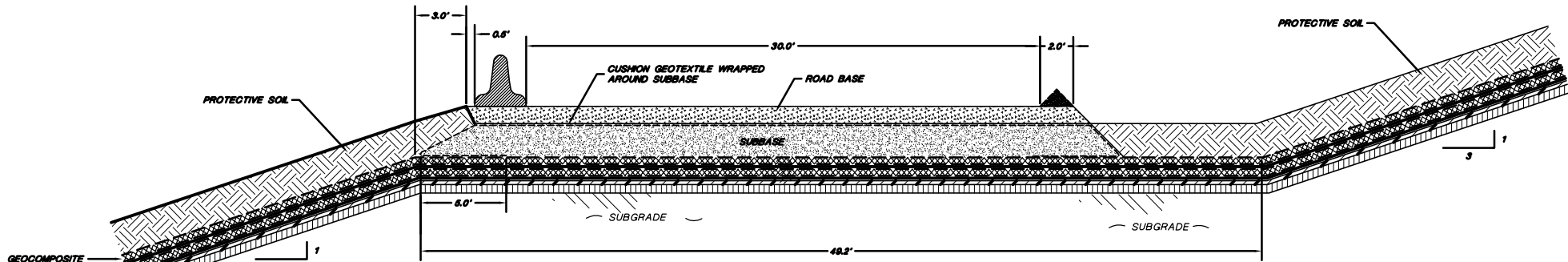
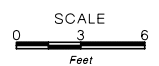


PROJECT NUMBER 602-0200
AutoCAD FILE: GANDY-CORPORATING

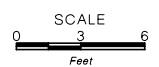
PROJECT NUMBER: 602-0200
A:\CAD FILE: JAMEZ\METAL.DWG



LANDFILL ACCESS RAMP (Interim Fill Stage)



LANDFILL ACCESS RAMP (Final Fill Stage)



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

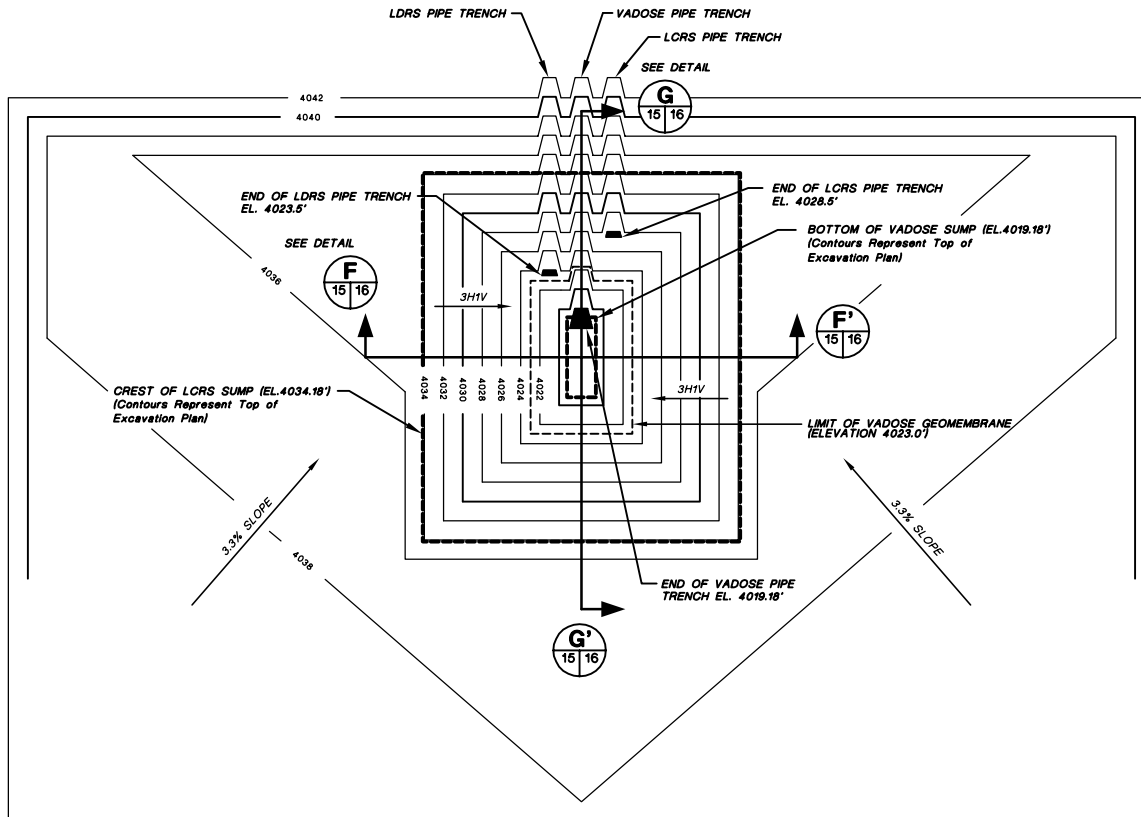
2	October 2008 Revision	10/14/08	J.Pellor	K.Corsick	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
0	PART 8 PERMIT APPLICATION	12/18/97	PGC/JP	E.Blanston	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

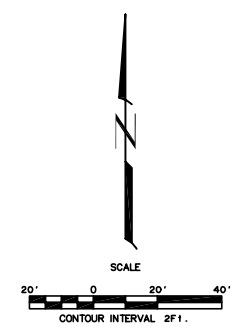
DRAWING TITLE:
**TYPICAL LANDFILL ACCESS RAMP
DETAILS**

	TerraMatrix	Sheet <u> </u> of <u> </u> Sheets
	MONTGOMERY WATSON	SCALE: DRAWING No.
	AS NOTED	14

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".



SUMP PHASE 1A - PLAN VIEW



Not For Construction

1	October 2000 Revision	10/1/00	J.Pellor	K.Corsar	P.Corsar
2	PART B PERMIT APPLICATION	12/12/97	PGC/PP	T.Shaw	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
SUMP PLAN VIEW - PHASE 1A


TerraMatrix
MONTGOMERY WATSON
Mapping Group

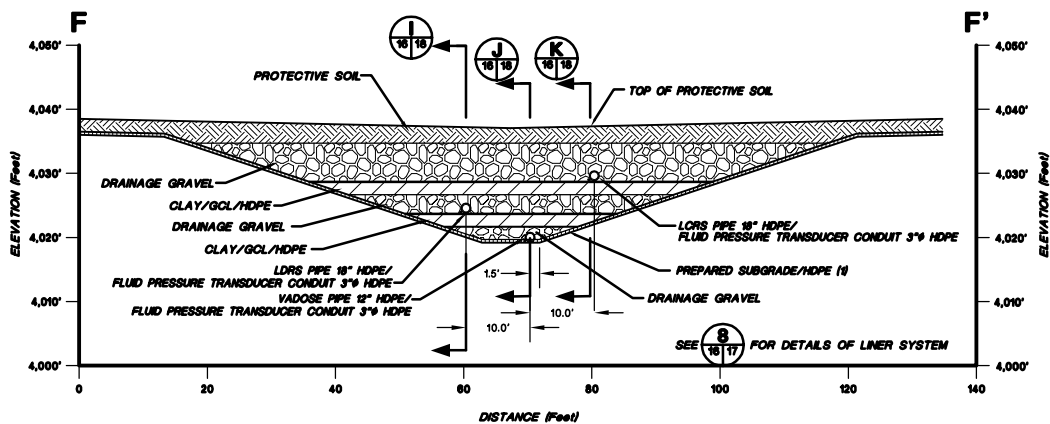
Sheet 1 Of 2 Sheets
SCALE: See Scale Bar
DRAWING No. **15**



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

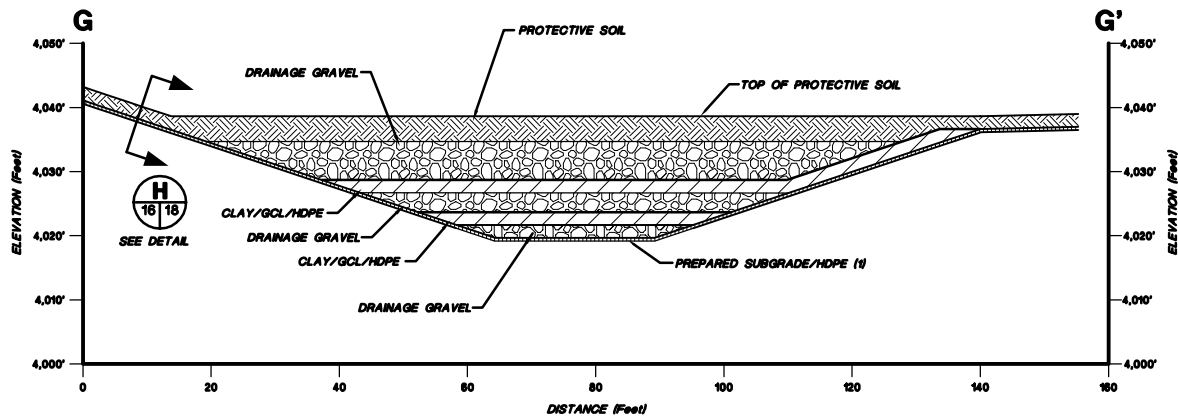
Date Patrick G. Corsar, NM P.E. 12236

- NOTES:**
1. THE V-TRENCH ON THE FLOOR OF LANDFILL (SEE DETAIL ) WILL EXTEND INTO SUMP TO ELEVATION OF THE LDRS PIPE 4023.5. THE PIPE FROM THE FLOOR WILL EXTEND ACROSS THE BASE OF THE SUMP.
 2. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".



F SUMP - CROSS-SECTION F-F'

HORIZONTAL SCALE
 0 10.0' 20.0'
 VERTICAL SCALE
 0 10.0' 20.0'



G SUMP - CROSS-SECTION G-G'

HORIZONTAL SCALE
 0 10.0' 20.0'
 VERTICAL SCALE
 0 10.0' 20.0'

NOTE:
 FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
 "INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
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Date Patrick G. Corser, NM P.E. 12236

Not For Construction

#	October 2008 Revision	10/4/08	J.Palmer	K.Carrish	P.Corser
1	NOVEMBER 1998 REPORT	10/29/98	J.Palmer	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	12/18/97	PQC/JP	E.Simmons	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY

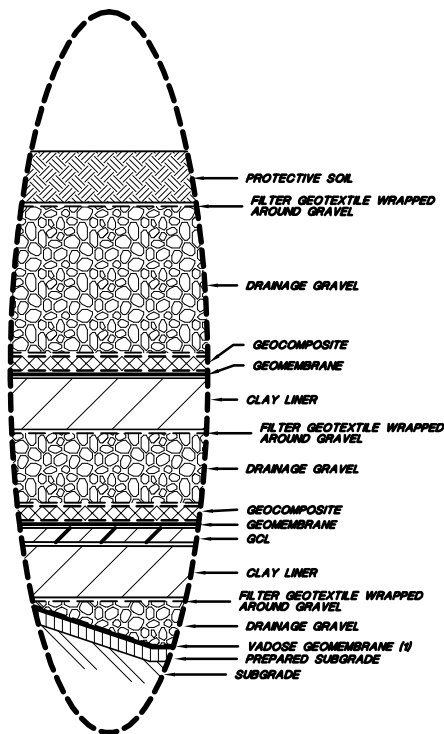
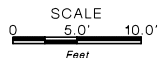
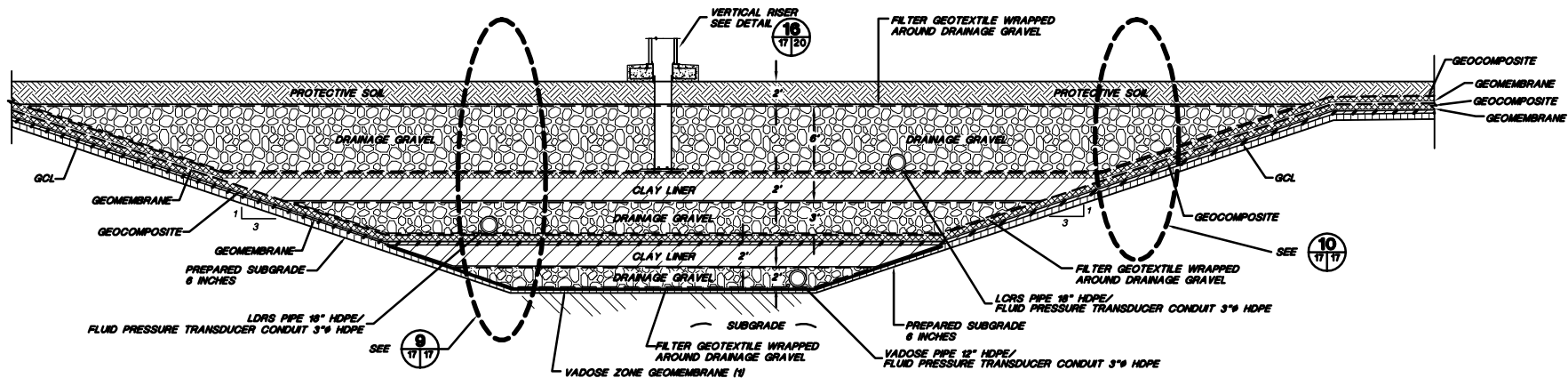
**TRIASSIC PARK
 WASTE DISPOSAL FACILITY**

DRAWING TITLE:
SUMP CROSS-SECTIONS - PHASE 1A

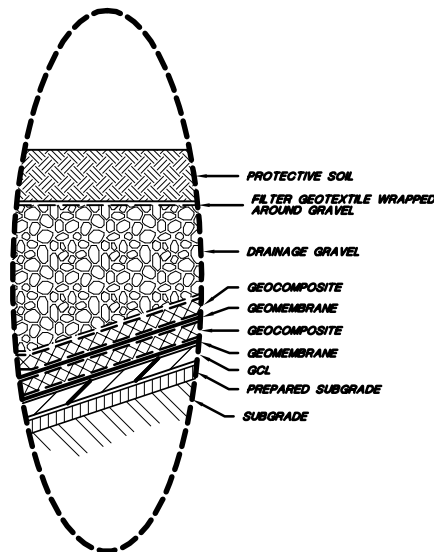
TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet of Sheets
 SCALE: DRAWING No.
 See Scale Bar

AUTOCAD FILE: SUMPPLAN15E2C.DWG PROJECT NUMBER: 602-0200



Not To Scale



Not To Scale

- NOTES:
1. THE VADOSE GEOMEMBRANE EXTENDS TO LIMITS OF THE SECONDARY CLAY LINER.
 2. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No 2, "INDEX, LEGEND AND GENERAL NOTES".

Not For Construction

2	October 2008 Revisions	10/14/08	J.Palmer	K.Corsar	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	02/21/97	PQC/JP	E.Shoen	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**TYPICAL SUMP DETAIL
CROSS-SECTION**

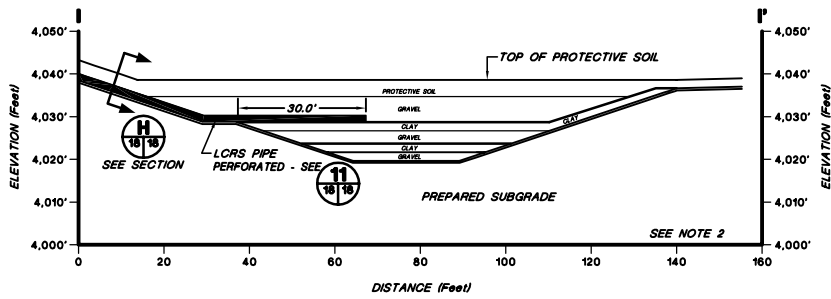


PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corsar, NJ P.E. 12236

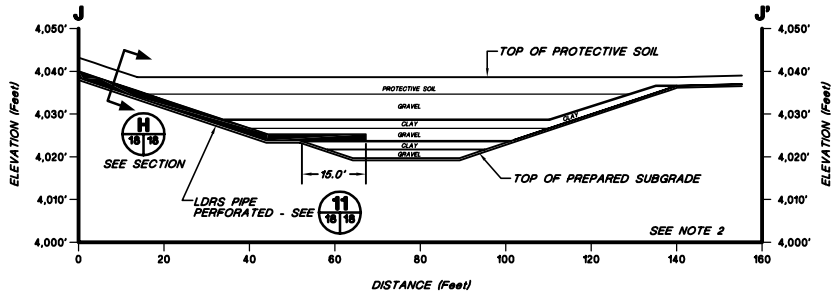
TerraMatrix
MONTGOMERY WATSON
Mapping Group

Sheet 1 of 1 Sheets
SCALE: Not To Scale
DRAWING No. 17



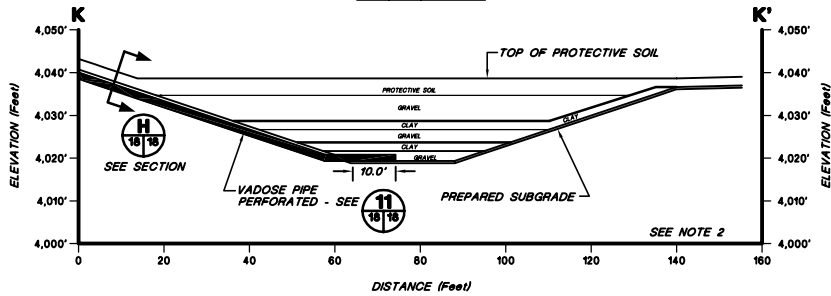
I LCRS PIPE PLACEMENT IN SUMP

HORIZONTAL SCALE
0 15' 30'
VERTICAL SCALE
0 15' 30'



J LDRS PIPE PLACEMENT IN SUMP

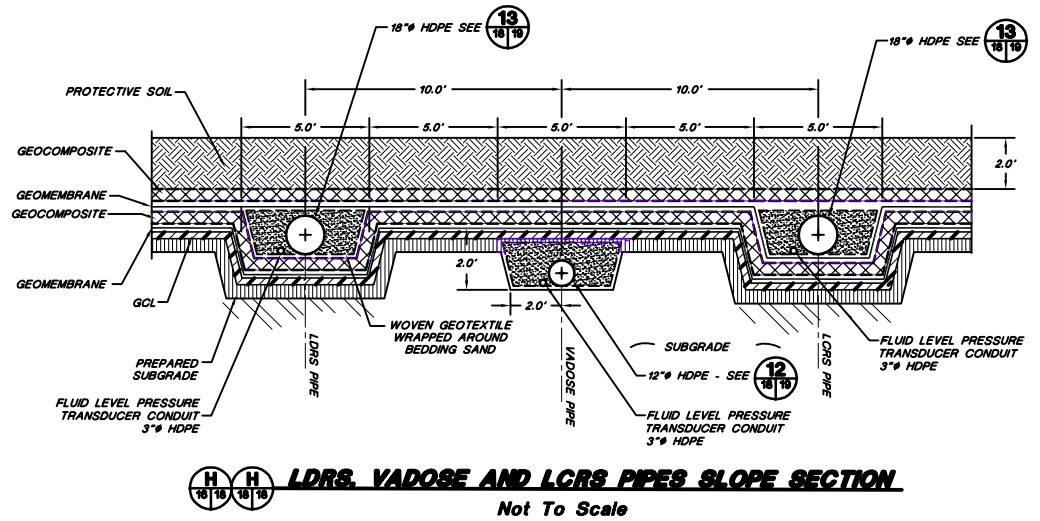
HORIZONTAL SCALE
0 15' 30'
VERTICAL SCALE
0 15' 30'



K VADOSE PIPE PLACEMENT IN SUMP

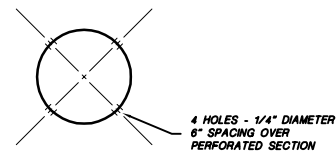
HORIZONTAL SCALE
0 15' 30'
VERTICAL SCALE
0 15' 30'

- NOTE:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
2. SEE **8** **18/17** FOR LINER DETAILS IN SUMP.



H LDRS, VADOSE AND LCRS PIPES SLOPE SECTION

Not To Scale



I PIPE PERFORATION DETAIL

Not To Scale



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I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

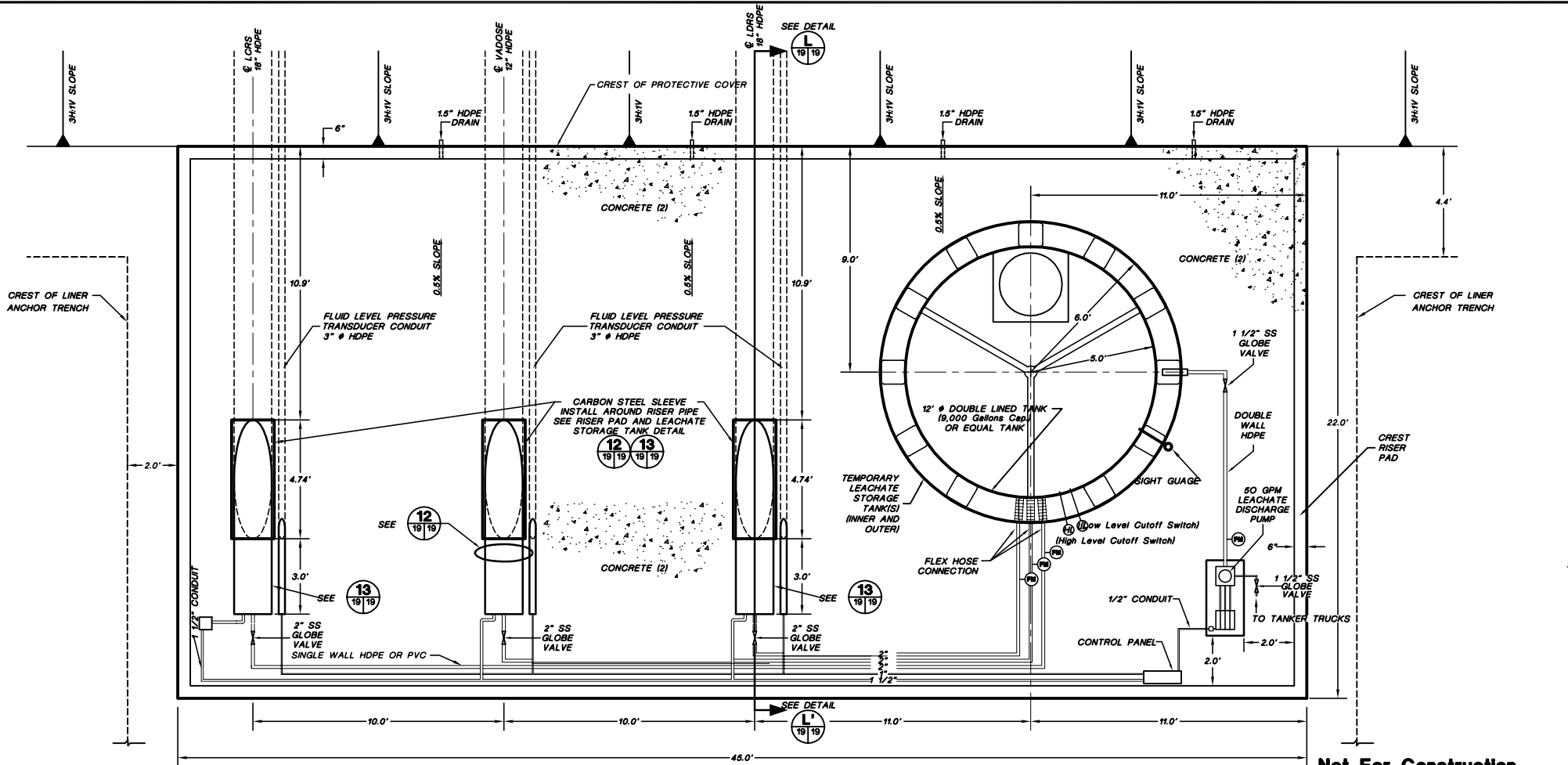
#	October 2008 Reissue	10/4/08	J.Palmer	K.Corsaris	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corsar
2	PART B PERMIT APPLICATION	07/21/97	PQC/JP	K.Corsaris	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**VADOSE, LDRS, LCRS
CROSS-SECTIONS AND DETAILS**

	TerraMatrix	Sheet <u> </u> Of <u> </u> Sheets
	MONTEGOMERY WATSON Mining Group	SCALE: DRAWING No. See Scale Bar 18

PROJECT NUMBER: 602-0200



CREST RISER PAD AND LEACHATE STORAGE TANK - PLAN VIEW

SCALE
0 2.0' 4.0'
Feet



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

- NOTE:**
- 1) FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - 2) FOR CONCRETE DETAILS SEE DRAWING 45.
 - 3) PIPING SYSTEM WILL COMPLY WITH API PUBLICATION 1616 (NOVEMBER 1979) OR ANSI STANDARD B 31.2 AND ANSI STANDARD B 31.4.

Not For Construction

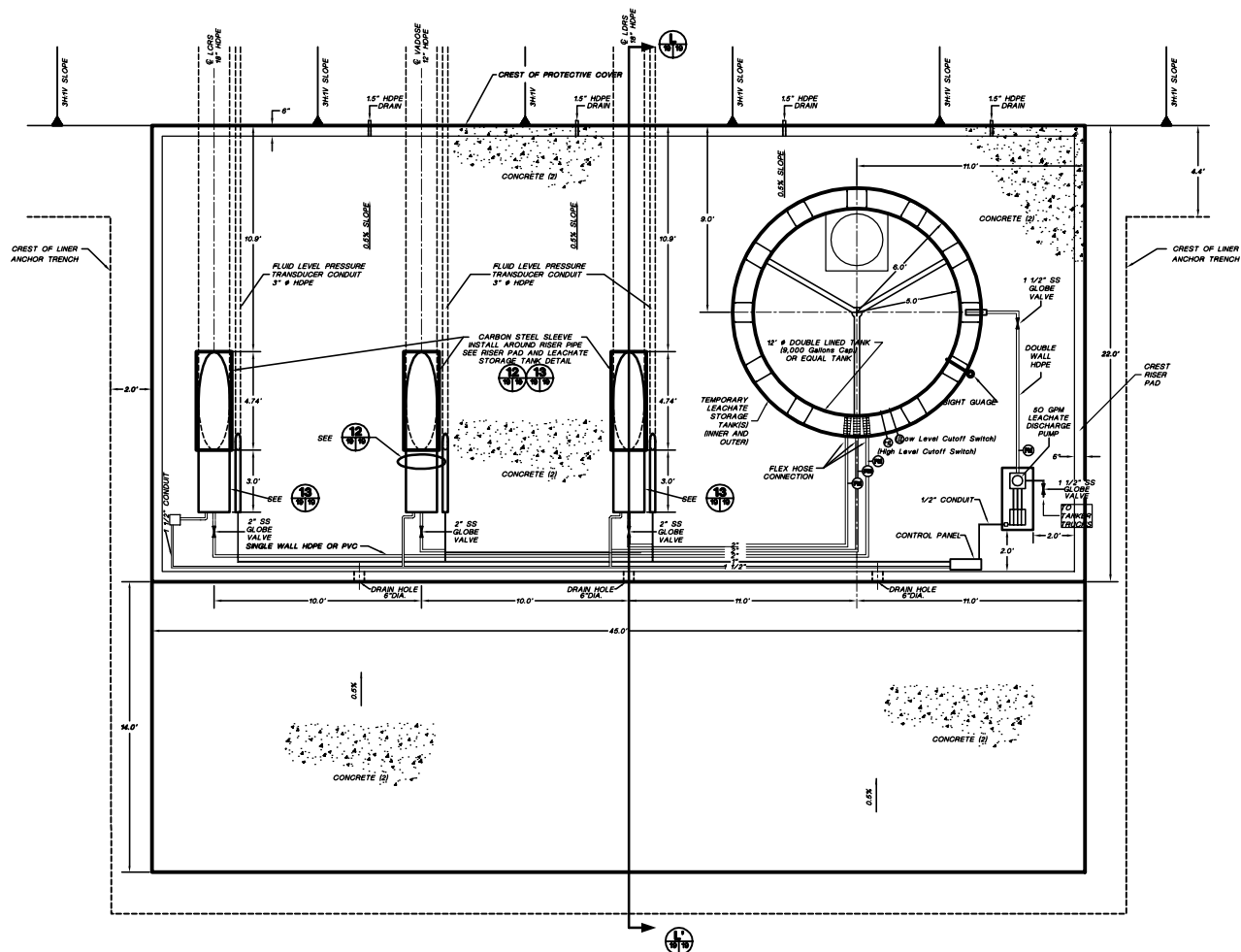
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY
2	October 2000 Revision	10/14/00	J.Pellor	K.Cornish	P.Corser
1	SEPTEMBER 1998 REVISION	09/01/98	P.Corser	T.Smith	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/18/97	PGC/JP	M.Matthews	P.Corser

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

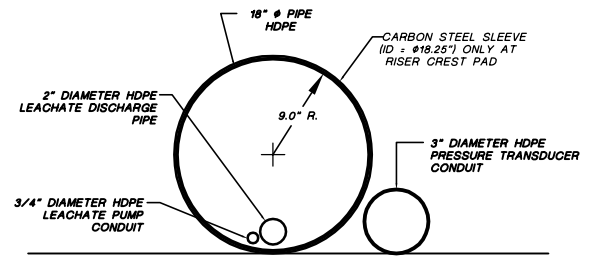
DRAWING TITLE:
CREST RISER PAD AND LEACHATE STORAGE TANK PLAN VIEW AND CROSS-SECTIONS

Terramatrix MONTGOMERY WATSON Mining Group	Sheet <u>1</u> Of <u>3</u> Sheets
	SCALE: <u>See Scale Bar</u> DRAWING No. <u>19</u>

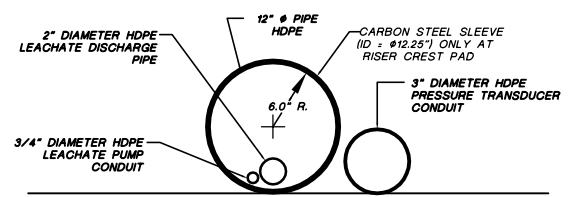
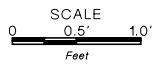
PROJECT NUMBER: 602-0200



CREST RISER PAD AND LEACHATE STORAGE TANK - PLAN VIEW



13 LCRS AND LDRS RISER PIPE DETAIL



12 VADOSE RISER PIPE DETAIL



Not For Construction

#	October 2000 Revision	10/4/00	J.Palmer	K.Coverish	P.Corsar	
1	November 1999 Update	11/10/99	J.Trucchio	M.Melikian	P.Corsar	
2	September 1999 Revision	09/09/99	P.Corsar	T.Saam	P.Corsar	
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY	DATE

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
CREST RISER PAD AND LEACHATE STORAGE TANK PLAN VIEW AND CROSS-SECTIONS

TerraMatrix
MONTGOMERY WATSON
Mapping Group

Sheet 2 Of 3 Sheets
SCALE: See Scale Bar
DRAWING No. **19**

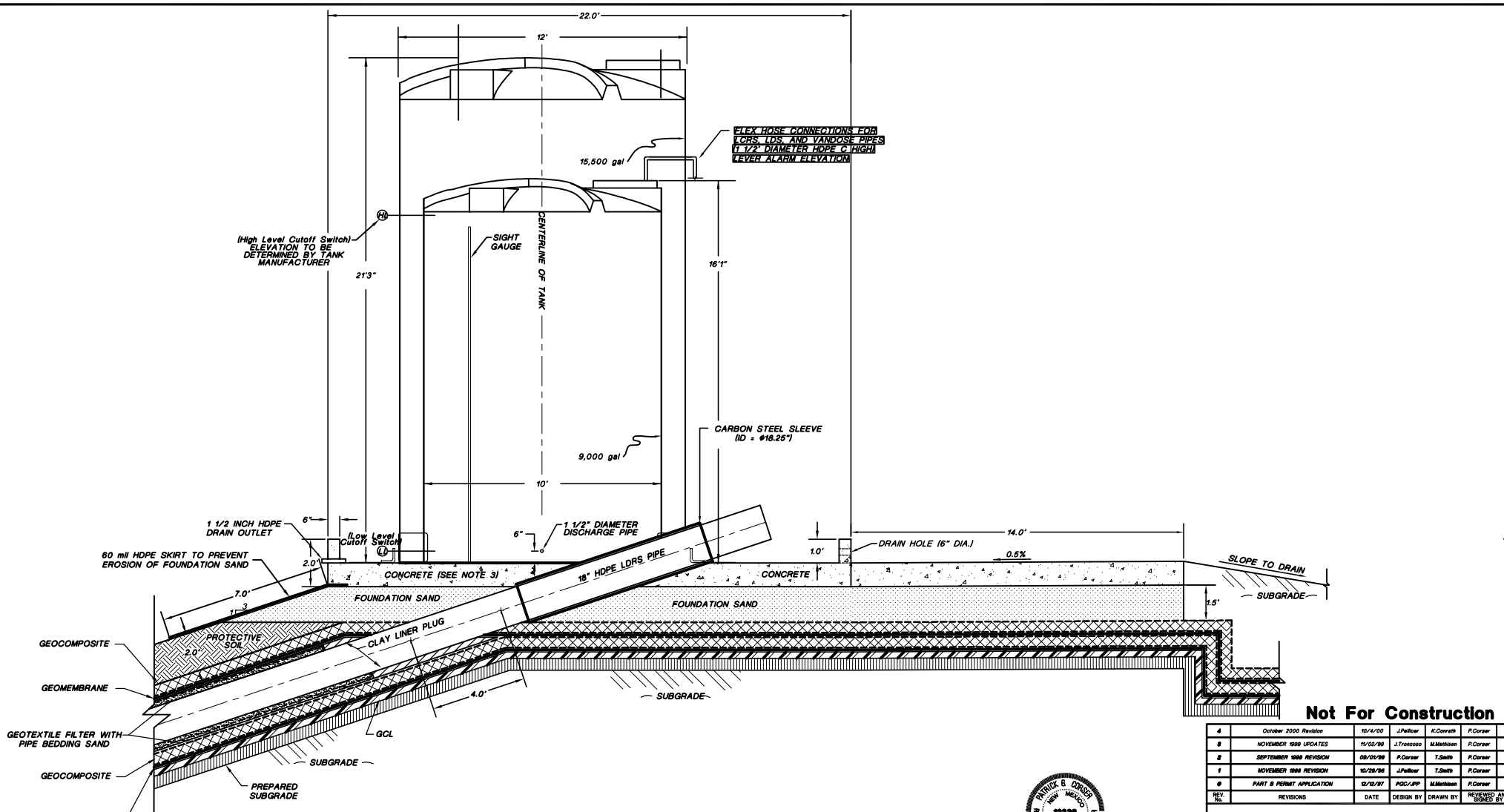


PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

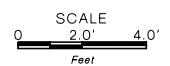
Date Patrick G. Corsar, NM P.E. 12236

- NOTE:**
- 1) FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - 2) FOR CONCRETE DETAILS SEE DRAWING 45.
 - 3) PIPING SYSTEM WILL COMPLY WITH API PUBLICATION 1615 (NOVEMBER 1979) OR ANSI STANDARD B 31.2 AND ANSI STANDARD B 31.4.

PROJECT NUMBER: 602-0200
AUTOCAD FILE: C9A1.S7-25SEC.DWG



CREST RISER PAD AND LEACHATE STORAGE TANK CROSS-SECTION



- NOTE:**
- 1) FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - 2) PIPE CONNECTION AND TANK ACCESSORIES TO BE SPECIFIED BY TANK SUPPLIER.
 - 3) FOR CONCRETE DETAILS SEE DRAWING 45.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.
Date: Patrick G. Corser, NM P.E. 12236

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REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND
4	October 2000 Revision	10/4/00	J.Peltier	K.Covatta	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancoso	M.Melham	P.Corser
2	SEPTEMBER 1998 REVISION	09/01/98	P.Corser	T.Smith	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Peltier	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	02/20/97	PGC/JP	M.Melham	P.Corser

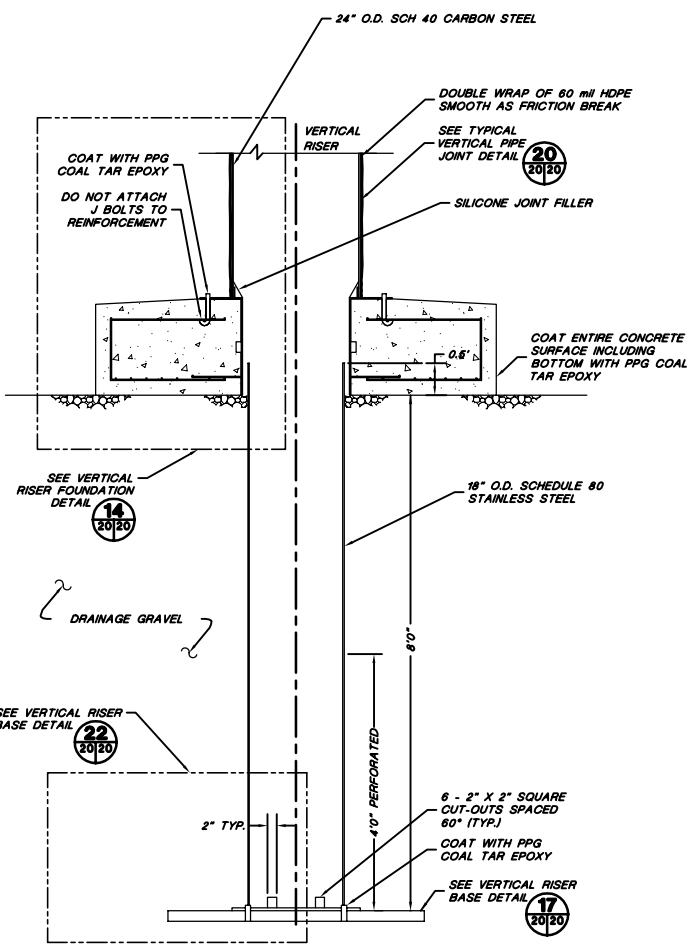
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
CREST RISER PAD AND LEACHATE STORAGE TANK PLAN VIEW AND CROSS-SECTIONS

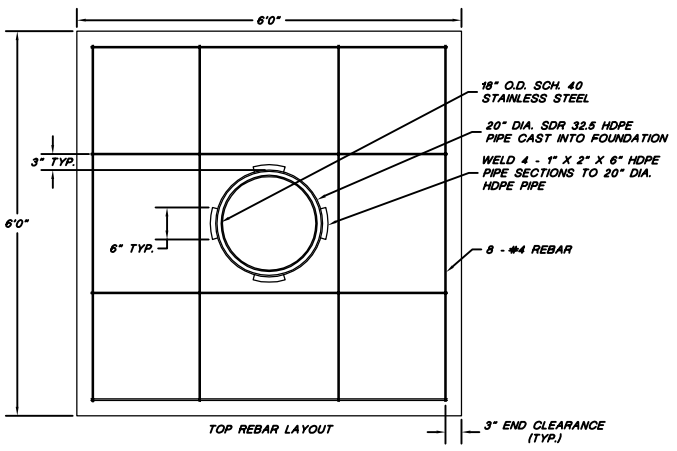
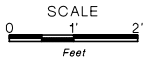
TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 3 Of 3 Sheets
SCALE: See Scale Bar
DRAWING No. 19

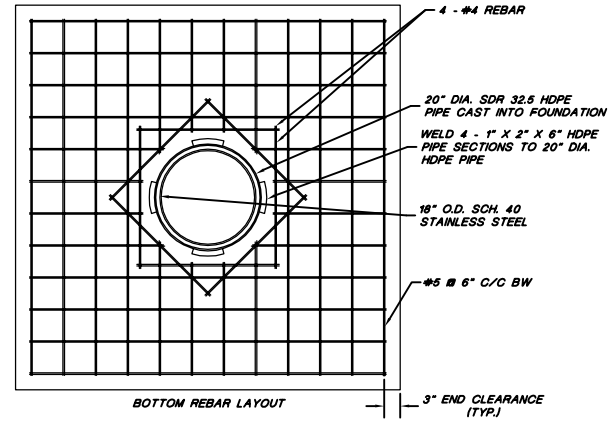
PROJECT NUMBER: 602-0200



16 VERTICAL RISER SECTION

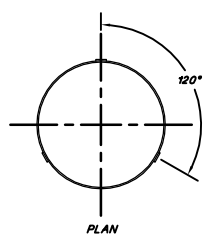


TOP REBAR LAYOUT

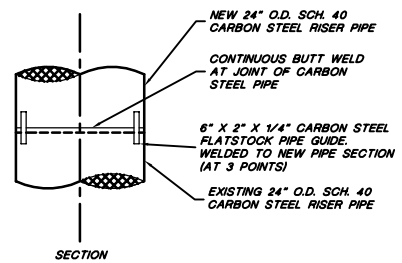


BOTTOM REBAR LAYOUT

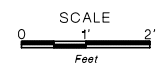
21 VERTICAL RISER BASE DETAIL



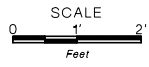
PLAN



SECTION



20 TYPICAL VERTICAL RISER PIPE JOINT



PROFESSIONAL ENGINEER'S STATEMENT
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Date Patrick G. Corser, NM P.E. 12236



Not For Construction

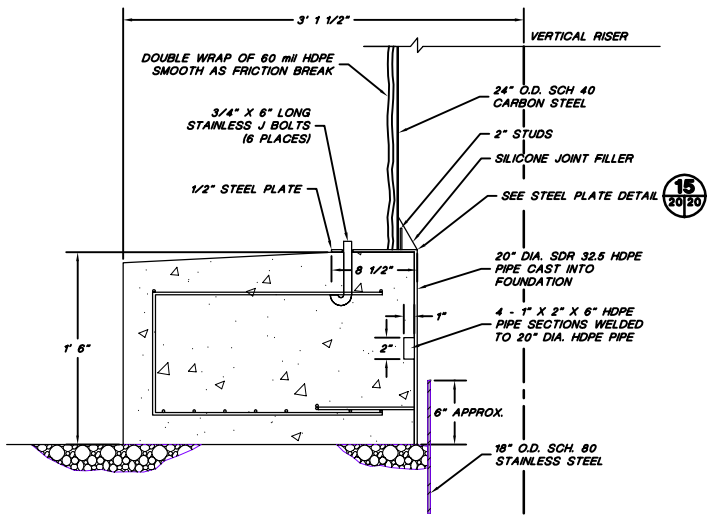
#	October 2008 Reissue	10/4/08	J.Palmer	K.Clarke	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	12/12/97	PGC/PP	E.Schaefer	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
VERTICAL RISER DETAILS

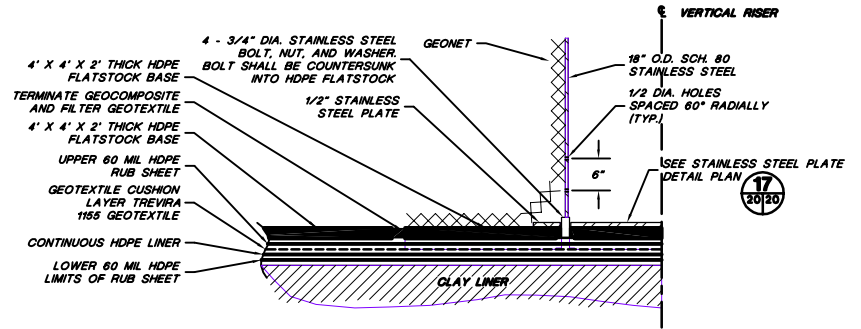
	TerraMatrix	Sheet 1 of 2 Sheets
	MONTGOMERY WATSON Mining Group	SCALE: As Noted DRAWING No. 20

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".



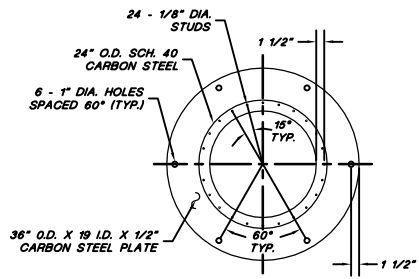
14 VERTICAL RISER FOUNDATION DETAIL

SCALE
0 0.5 1'
Feet



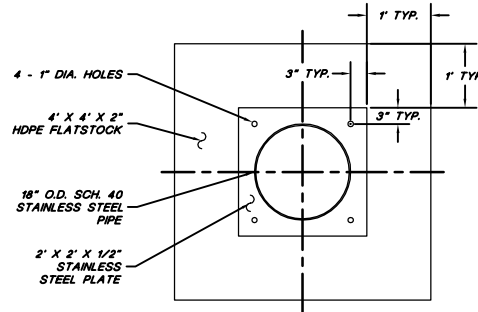
22 VERTICAL RISER BASE DETAIL

SCALE
0 0.5 1'
Feet



15 STEEL PLATE DETAIL

SCALE
0 1' 2'
Feet



17 STAINLESS STEEL PLATE DETAIL

SCALE
0 1' 2'
Feet



PROFESSIONAL ENGINEER'S STATEMENT
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Date Patrick G. Corser, NM P.E. 12236

Not For Construction

#	October 2008 Reissue	10/4/08	J.Palmer	K.Clarke	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	12/12/97	PQC/LJP	E.Schaefer	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

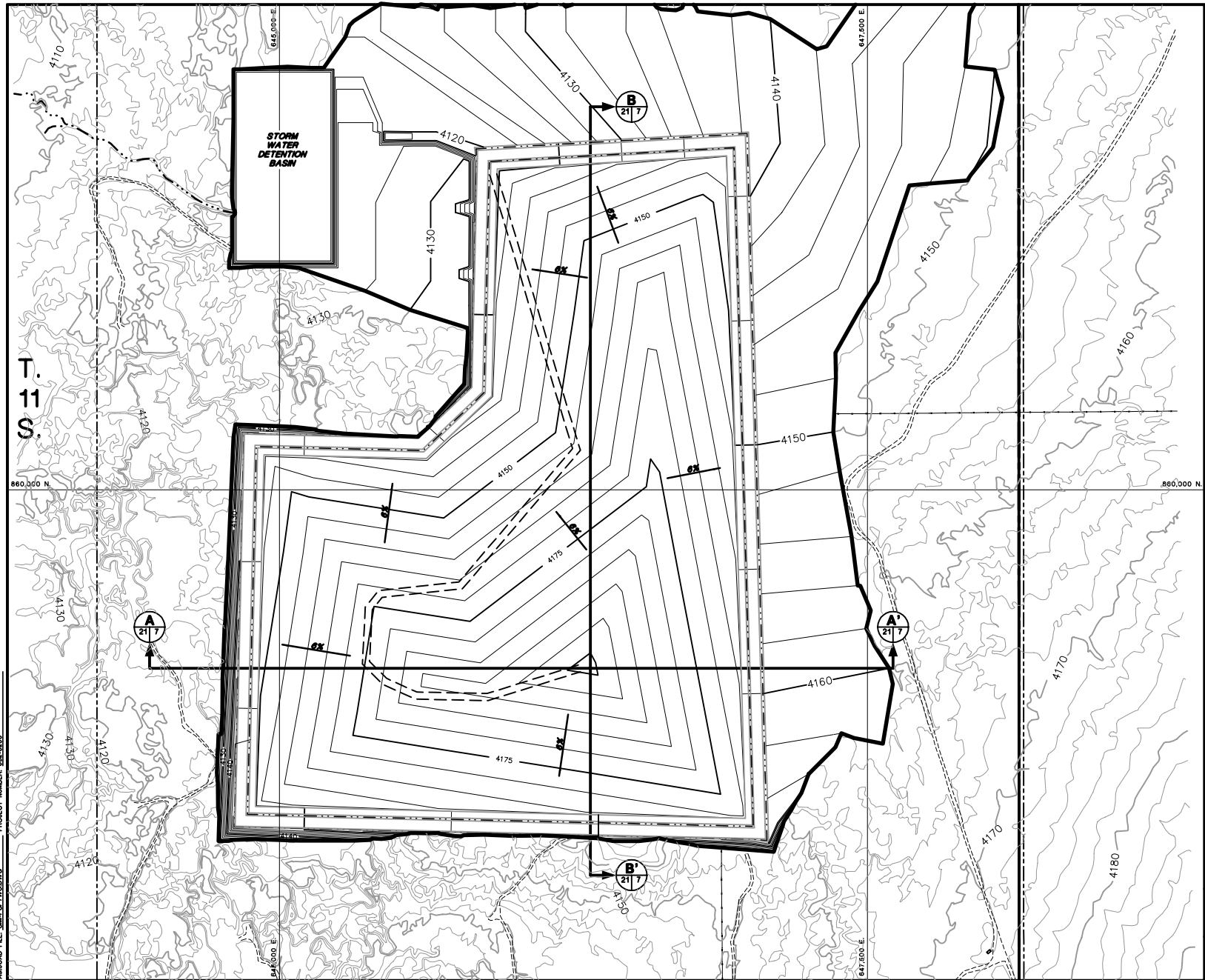
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
VERTICAL RISER DETAILS

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 Of 2 Sheets
SCALE: As Noted
DRAWING No. 20

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".



- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.



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Date Patrick G. Corser, NM P.E. 12236



CONTOUR INTERVAL 6 FT.
 SURFACE TOPOGRAPHY CONTOUR INTERVAL 2 FT.

Not For Construction

#	October 2000 Revision	10/11/00	J.Palmer	K.Gavash	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corser
2	PART 2 PERMIT APPLICATION	12/12/97	POL/APF	T.Smith	P.Corser
REV	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND SIGNED BY

**TRIASSIC PARK
 WASTE DISPOSAL FACILITY**

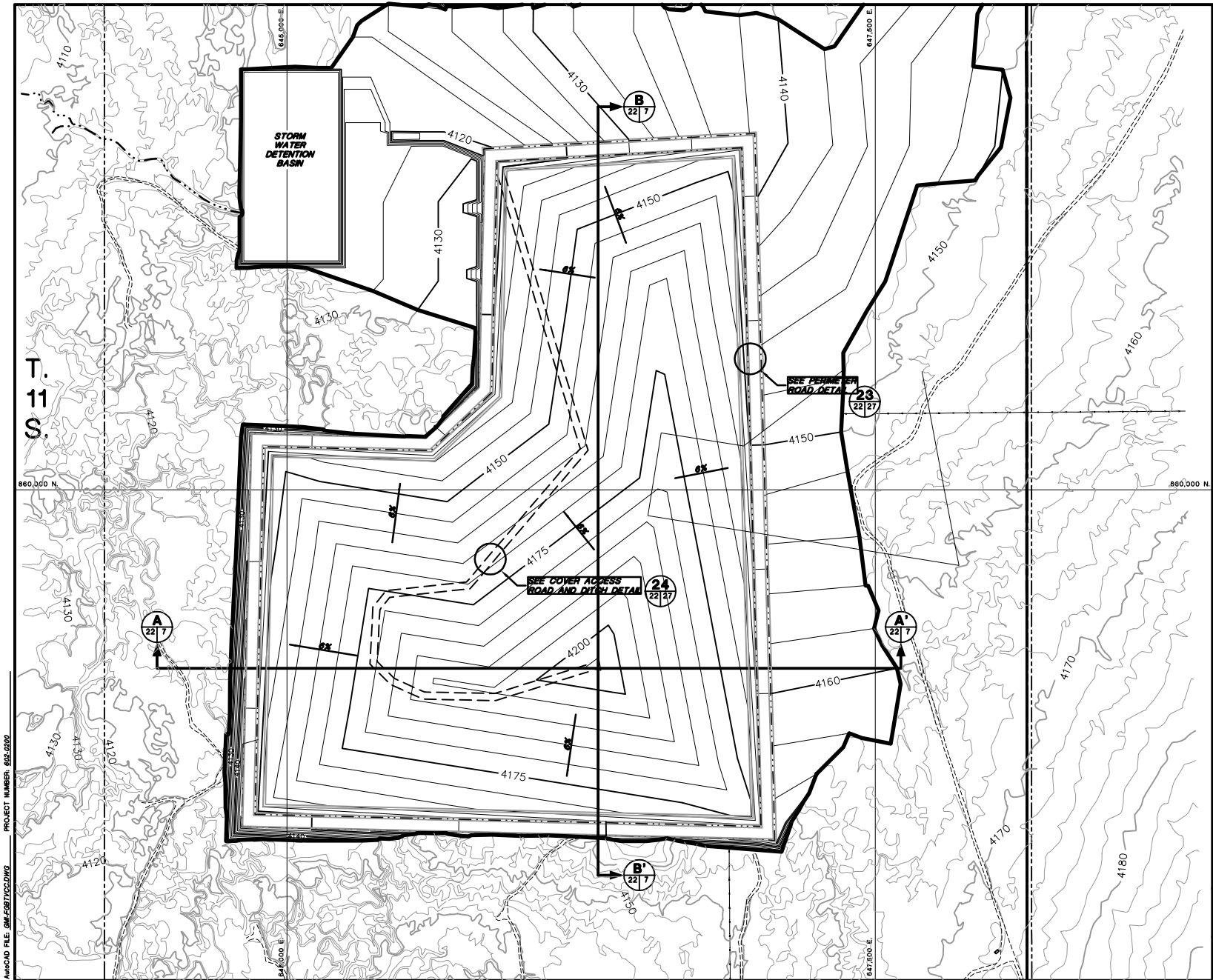
DRAWING TITLE:
**FINAL GRADING PLAN -
 TOP OF WASTE CONTOURS**

Terramatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 1 Of 1 Sheets
 SCALE: AS NOTED
 DRAWING No. **21**

T.
11
S.

PROJECT NUMBER: 602-0200
 AUCADO FILE: 0M-EG21DCDW2



- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - TOPOGRAPHY FROM AERIAL SURVEYS PERFORMED AUGUST 1997 BY KOOGLER AND POULS ENGINEERING.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236



CONTOUR INTERVAL 6 FT.
 SURFACE TOPOGRAPHY CONTOUR INTERVAL 2 FT.

Not For Construction

#	October 2000 Revision	10/1/00	J.Palmer	K.Clarke	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corser
2	PART 2 PERMIT APPLICATION	12/12/97	POL/APP	T.Smith	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND SIGNED BY

**TRIASSIC PARK
 WASTE DISPOSAL FACILITY**

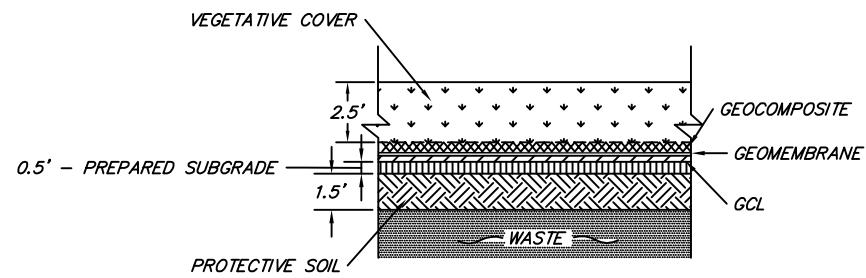
DRAWING TITLE:
**FINAL GRADING PLAN - TOP OF
 VEGETATIVE COVER CONTOURS**

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

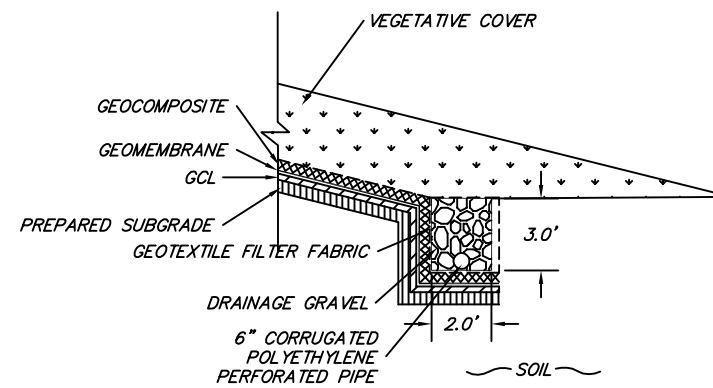
Sheet 7 Of 7 Sheets
 SCALE: AS NOTED DRAWING No. **22**

T. 11 S.

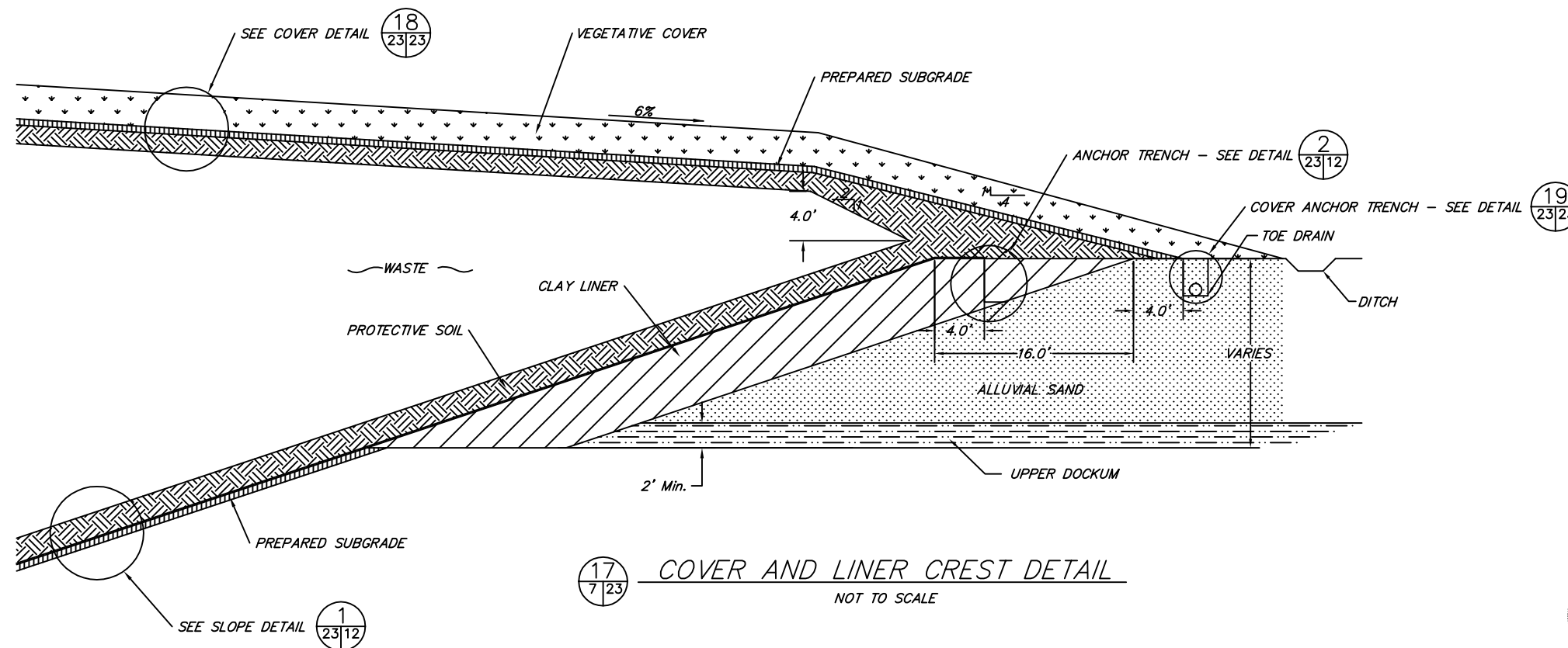
PROJECT NUMBER: 602-0200
 AWCAD FILE: 0M-EGR702C.DWG



18 COVER DETAIL
23/23 NOT TO SCALE



19 COVER ANCHOR TRENCH DETAIL
23/23 NOT TO SCALE



17 COVER AND LINER CREST DETAIL
7/23 NOT TO SCALE

Drawing recreated from source AutoCAD file to replace graphic containing omissions in 2002 permit files.

Not For Construction

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
3	October 2000 Revision	10/4/00	J.Pellicer	K.Conrath	P.Corsar
2	SEPTEMBER 1999 REVISION	9/21/99	P.Corsar	K.Conrath	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellicer	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	12/12/97	PGC/JPP	T.Smith	P.Corsar



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corsar, NM P.E. 12236

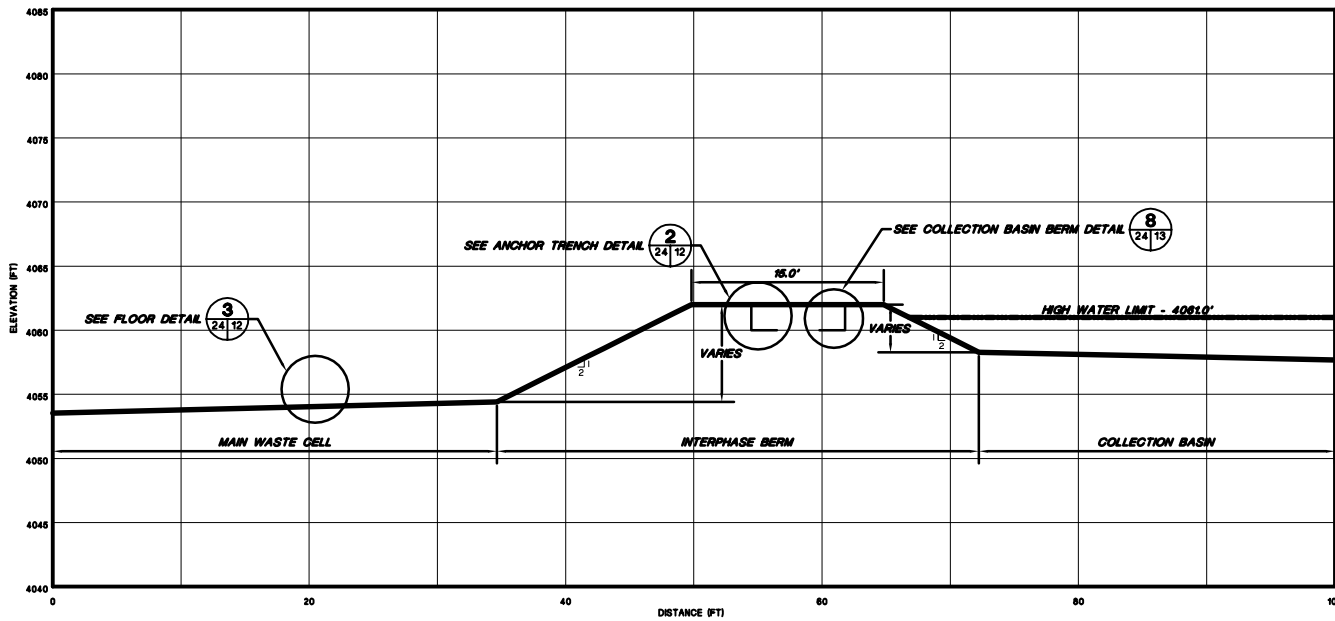
NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

TRIASSIC PARK
WASTE DISPOSAL FACILITY

DRAWING TITLE:
FINAL COVER DETAILS

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 1 Of 1 Sheets
SCALE: AS NOTED
DRAWING No. 23



M INTERPHASE BERM CROSS-SECTION M
13/124

HORIZONTAL SCALE
0 5 10
VERTICAL SCALE
0 5 10

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2.
"INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

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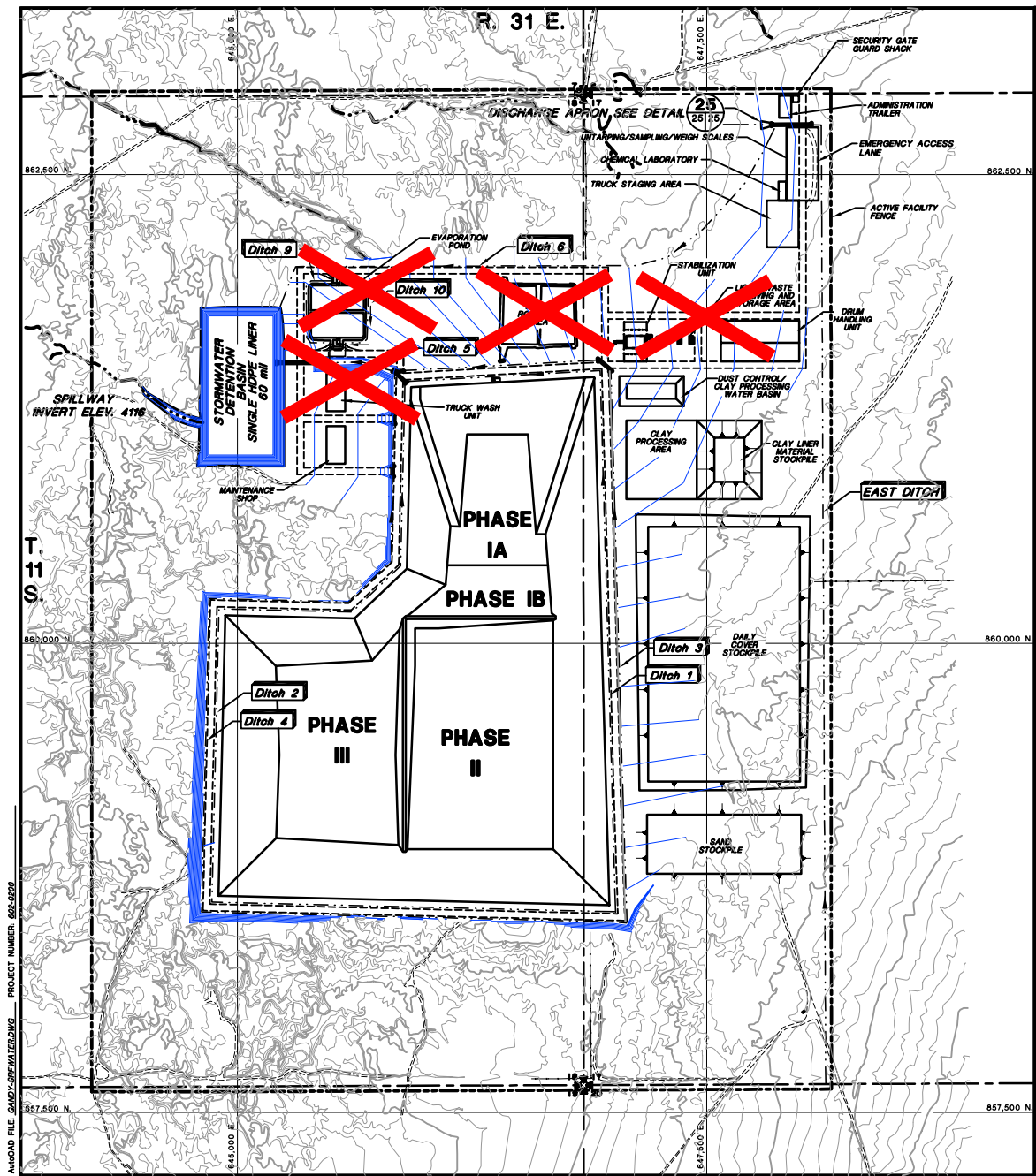
#	October 2000 Revision	10/4/00	J.Pellor	K.Clarish	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/12/97	PGC/JP	T.Smith	P.Corser
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
INTERPHASE BERM SECTION

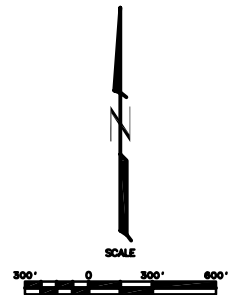


Sheet 1 Of 1 Sheets
SCALE: As Shown
DRAWING No. **24**



Drawing replaced by DBS&A for 2011 permit renewal under separate cover, including the notations shown on this sheet.

- NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. DITCHES 7 & 8 ARE SHOWN ON DRAWING 13.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

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REV. NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
4	October 2000 Revision	10/1/00	J.Pellor	K.Coverth	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancoso	M.Matthew	P.Corser
2	SEPTEMBER 1999 REVISION	9/29/99	P.Corser	K.Coverth	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	02/18/97	POD/JPP	T.Smith	P.Corser

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
SURFACE WATER CONTROL FEATURES

TerraMatrix
 MONTGOMERY WATSON
 Mang Group

Sheet 1 of 2 Sheets
 SCALE: AS NOTED
 DRAWING No. 25

AutoCAD FILE: GARDY-SERIALS.DWG PROJECT NUMBER: 855-2650

CHANNEL DESIGNS

Ditch	25-yr,24-hr Flow Q (cfs)	Slope (%)	Bottom Width (BW) (ft)	Sideslope H:1V	Depth of Flow (ft) 1	Velocity (fps) 2	Freeboard (ft)	Maximum Total Depth (ft)	Erosion Protection	2-yr,24-hr Flow Q (cfs)	Velocity (fps)
1	34.2	0.5-2.0	0	2	2.1	6.7	1.0	3.1	None	4.8	4.1
2	62.2	0.5-1.0	0	2	2.6	6.0	1.0	3.6	None	8.3	3.6
3	126.6	0.5-1.0 1.1-2.0	5.0 5.0	3 3	2.4 2.1	5.8 6.6	1.0 1.0	3.4 3.1	None Riprap D50=6"	40.0	4.8
4	6.8	0.5-1.0	0	2	1.1	3.5	1.0	2.1	None	7	7
5	217.3	0.5-1.0	10.0	3	2.3	7.3	1.0	3.3	None	53.6	4.8
6	30.1	0.5-1.0	0	2	2.0	5.0	1.0	3.0	None	7	7
7 Lower	7.3	1.0	0	1.5	0.9	6.0	1.0	1.9	HDPE	7	7
7 Upper	7.3	10	0	1.5	0.6	14.2	1.0	1.6	HDPE	7	7
8 Lower	19.3	1.0	0	1.5	1.3	7.6	1.0	2.3	HDPE	7	7
8 Upper	19.3	10	0	1.5	0.8	18	1.0	1.8	HDPE	7	7
East	272.8	0.5-0.8	16.0	3	2.5	5.5	1.0	3.5	Gravel D50=3"	7	7
Final Cover Road Side	31.5	0.5-2.4	0	3	1.8	5.5	1.0	2.8	Gravel D50=3"	7	7
Spillway	358 ⁽⁶⁾	0.5	20.0	3	2.6	4.9	1.0	3.4	Gravel D50=3"	7	7
9,10	98.4	0.5	3.0	3	2.1	4.7	1.0	3.1	NONE	7	7

Ditches 9 and 10 eliminated for 2011 permit renewal.

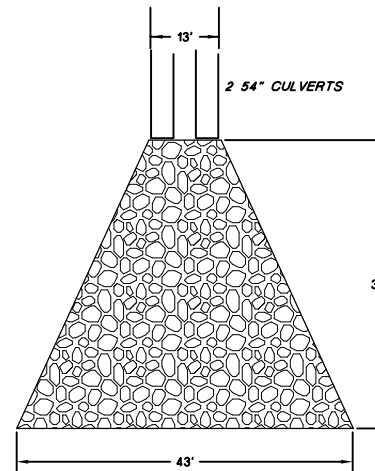
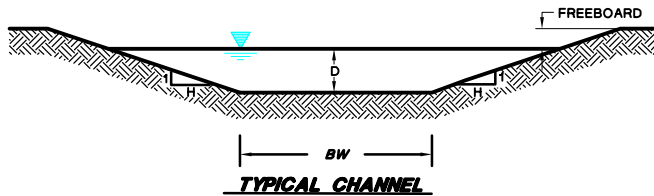
GENERAL NOTES:
1. STORM WATER DETENTION BASIN TO BE LINED WITH SINGLE 60 mil HDPE LINER.

- NOTES: (1) Maximum allowable velocity for channels without erosion protection 5 fps
 (2) Channels with velocities greater than 5 fps for the 25-yr event and less than the 5 fps for the 2 year storm will not be lined.
 (3) Maximum allowable velocity for gravel lined channels is 6 fps.
 (4) Depth of Flow determined from minimum grade of Channel.
 (5) Flow Velocity determined from maximum grade of Channel.
 (6) Design Flow for Spillway is 100YR - 24 HR.
 (7) The velocity calculations were not required for the 2-year storm because the 25YR-24HR rain event flow velocity was less than 5 fps, so the 2YR-24HR rain event flow velocity would also be less than 5 fps, or because erosion protection had already been specified.

CULVERT DESIGNS

Culvert On Ditch	Flow (cfs)	Culvert Capacity (cfs)	No. Of Culverts	Culvert Diameter (in)	Total Capacity (cfs)
East	272.8	155	2	54	310
3	126.6	50	3	36	150
4	6.8	9	1	18	9
5	217.3	135	2	54	270
1 and 2	96.4	50	2	36	100
8	19.3	50	1	36	50
9 and 10	98.4	50	2	36	100

NOTES: (1) Culverts were sized assuming a Headwater/Culvert Diameter= 1.5.



NOTE: RIP RAP D₅₀ = 2'; DEPTH OF ROCK 3'

25 RIP RAP OUTLET APRON DETAIL
Not To Scale



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

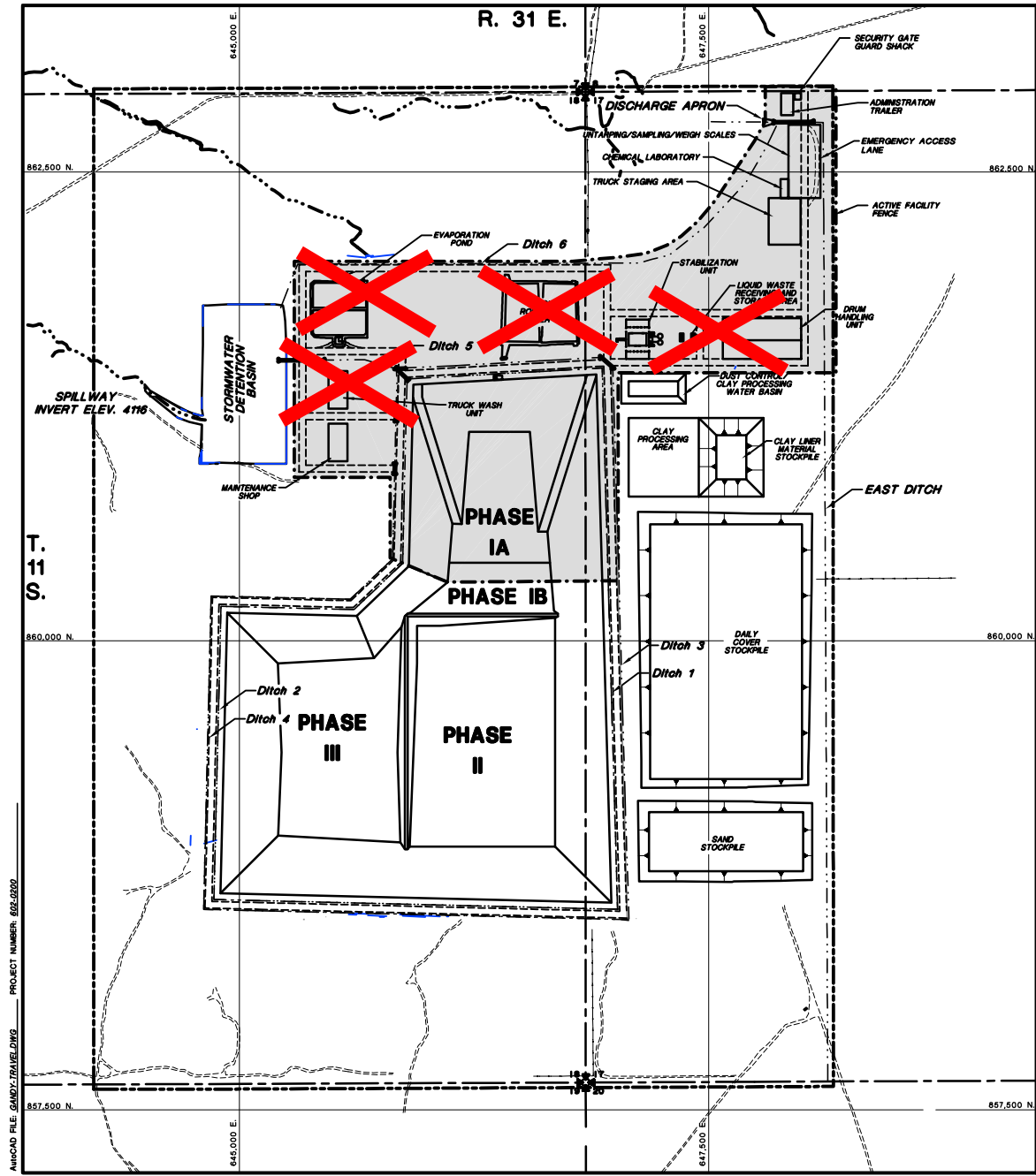
#	October 2000 Revision	10/4/00	J.Pellor	K.Corrith	P.Corsar
2	NOVEMBER 1998 UPDATES	11/02/98	J.Troneco	M.Matthews	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	12/12/97	PQC/JP	K.Corsar	P.Corsar
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

TRIASSIC PARK
WASTE DISPOSAL FACILITY

DRAWING TITLE:
SURFACE WATER CONTROL DETAILS

TerraMatrix
MONTGOMERY WATSON
Making Group

Sheet 2 Of 2 Sheets
SCALE: Not to Scale
DRAWING No. 25

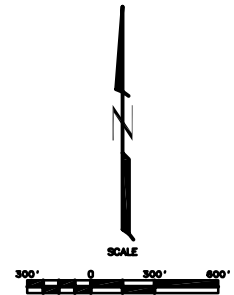


LEGEND

- LIMITS OF LANDFILL OPERATIONS AND WASTE PROCESSING AREA
- CONSTRUCTION OPERATIONS AREA

NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

Drawing replaced by DBS&A for 2011 permit renewal under separate cover, including the notations shown on this sheet.



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#	October 2000 Revision	10/1/00	J.Pallor	K.Covarr	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pallor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/10/97	PGC/JP	T.Smith	P.Corser
REV. NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
TRAFFIC PLAN



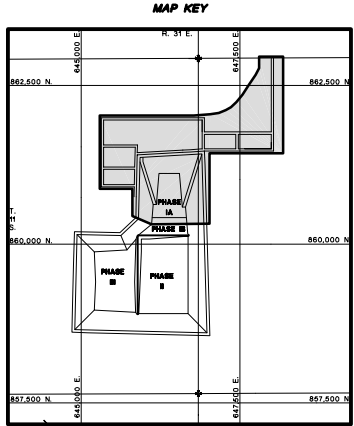
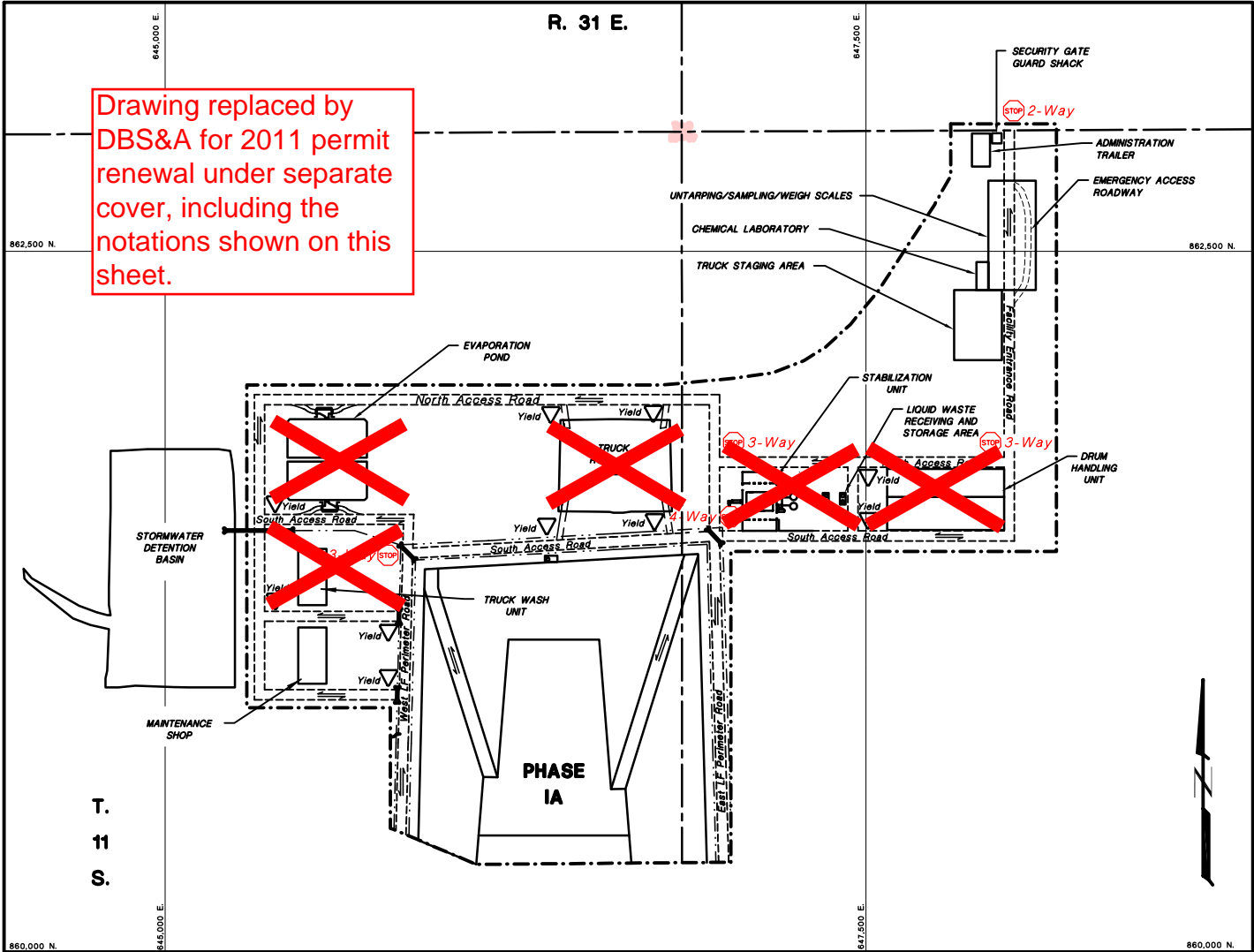
PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12230

	TerraMatrix	Sheet <u>1</u> Of <u>2</u> Sheets
	MONTGOMERY WATSON Mining Group	SCALE: DRAWING No. AS NOTED 28

MUNICIPAL FILE: GANDY-TRAILHEAD PROJECT NUMBER: 652-0502

Drawing replaced by DBS&A for 2011 permit renewal under separate cover, including the notations shown on this sheet.



- NOTES:
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2. "INDEX, LEGEND AND GENERAL NOTES".
 - UNIMPROVED ROADS AND CONSTRUCTION HAUL ROADS NOT SHOWN. GRAVEL LINED ACCESS ROADS ARE 2 WAY TRAFFIC. ALL SITE ACCESS ROADS SPEED LIMIT IS 15 MPH, CONSTRUCTION HAUL ROAD SPEED LIMIT IS 35 MPH.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corcoran, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corcoran, NM P.E. 12236

Not For Construction

REV. NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	October 2000 Revision	10/1/00	J.Pollner	K.Cowan	P.Corcoran
1	NOVEMBER 1998 REVISION	10/29/98	J.Pollner	T.Gent	P.Corcoran
0	PART 0 PERMIT APPLICATION	02/27/97	PSC/JPP	K.Cowan	P.Corcoran

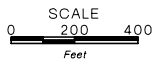
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

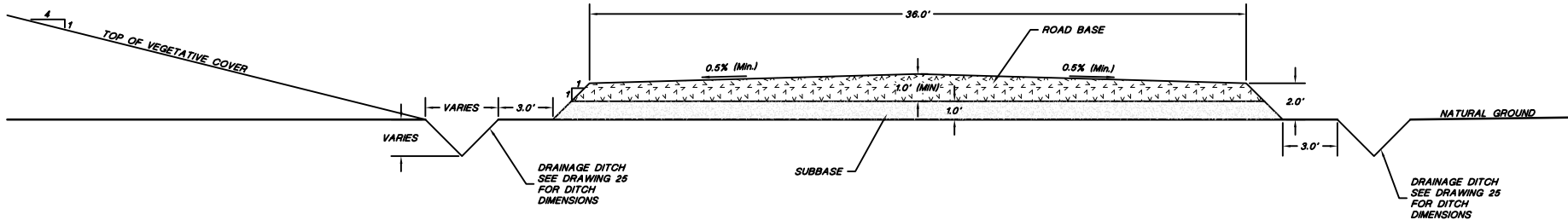
DRAWING TITLE:

TRAFFIC PLAN



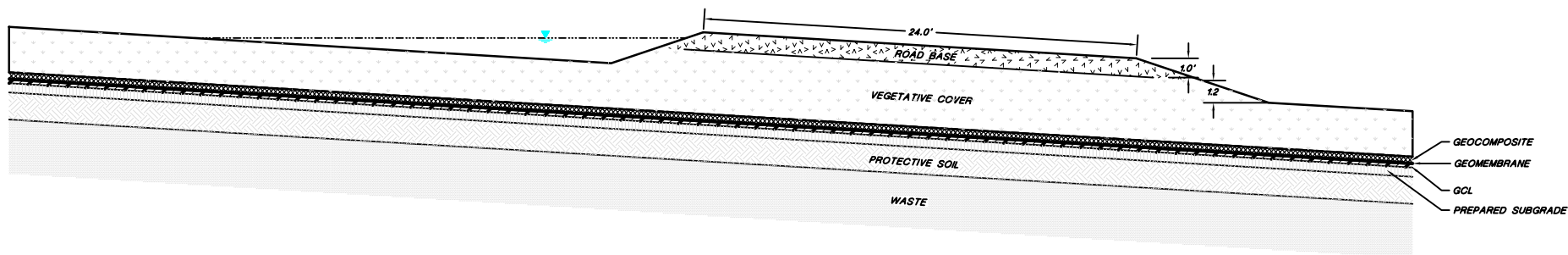
Sheet 2 Of 2 Sheets
 SCALE: As Noted
 DRAWING No. 26





23 PERIMETER ROAD DETAIL

HORIZONTAL SCALE
 0 3' 6'
 VERTICAL SCALE
 0 3' 6'



24 COVER ACCESS ROAD AND DITCH DETAIL

HORIZONTAL SCALE
 0 3' 6'
 VERTICAL SCALE
 0 3' 6'



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

2	October 2000 Revision	10/4/00	J.Pellor	K.Clarke	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	12/10/97	PGC/JP	TWS	PGC
REV. NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND

TRIASSIC PARK WASTE DISPOSAL FACILITY

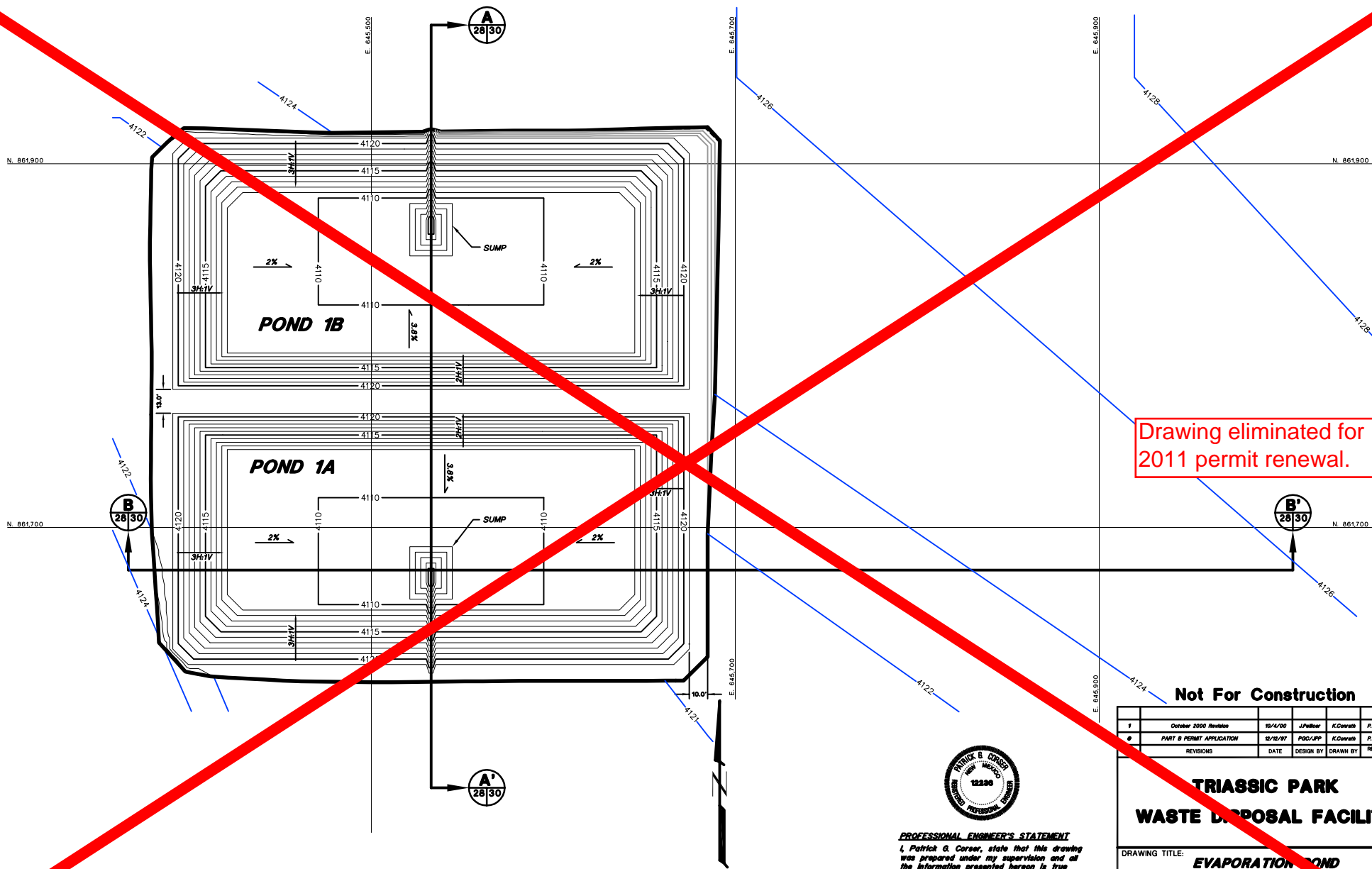
DRAWING TITLE:
PERIMETER ROAD DETAILS



Sheet 1 Of 1 Sheets
 SCALE: AS NOTED
 DRAWING No. **27**

NOTES:
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 2. ROADBASE GRAVEL THICKNESS MAY BE REDUCED BASED ON EVALUATION OF SUBGRADE CONTOURS.

AutoCAD FILE: SUBGRADE-CONTOURS.DWG PROJECT NUMBER: 602-0200



Drawing eliminated for 2011 permit renewal.

FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

1	October 2000 Revision	10/1/00	J.Pellor	K.Corsar	P.Corsar
2	PART B PERMIT APPLICATION	12/12/07	PGC/PP	K.Corsar	P.Corsar
REVISIONS		DATE	DESIGN BY	DRAWN BY	CHECKED BY

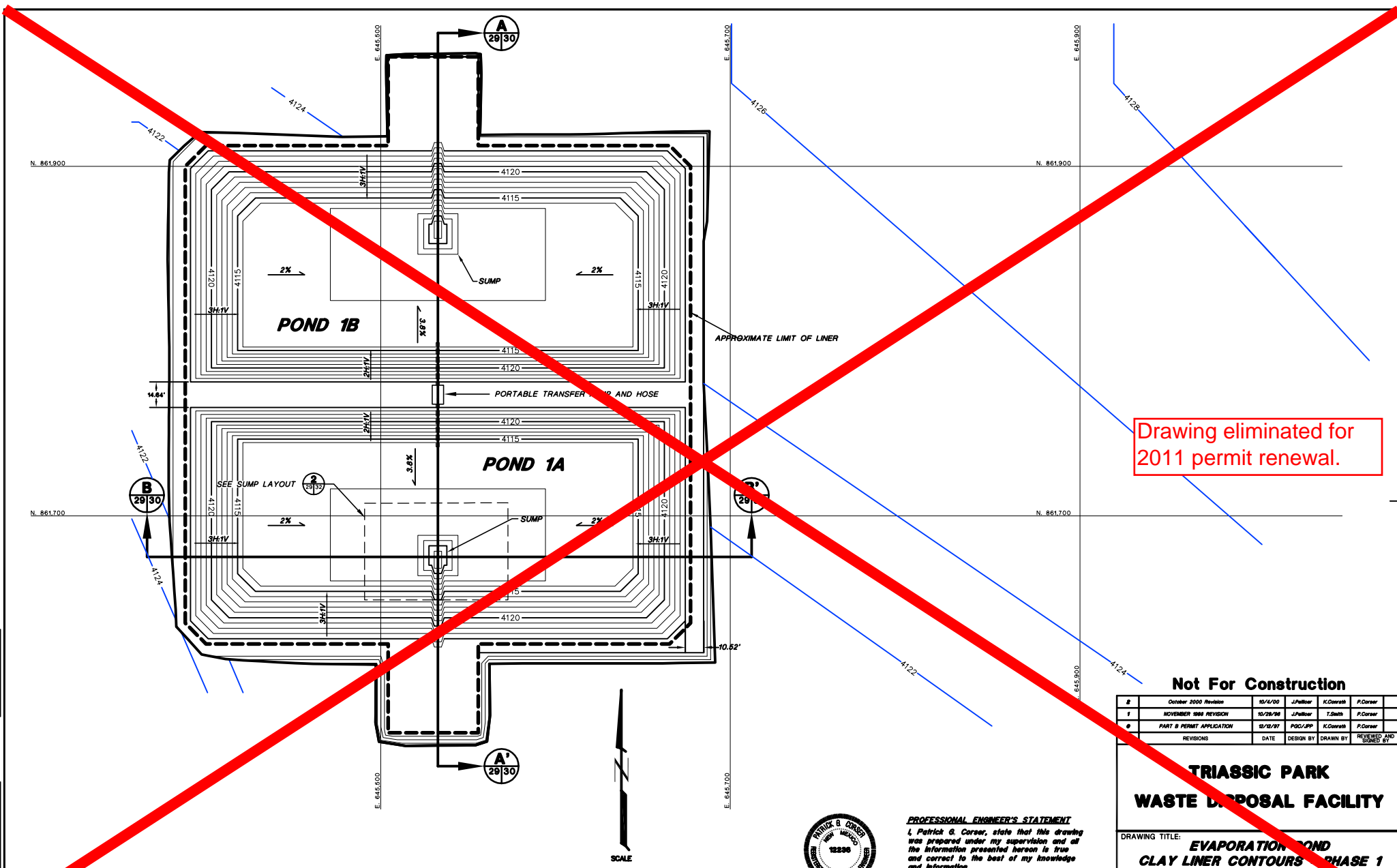
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **EVAPORATION POND
SUBGRADE CONTOURS - PHASE 1**

TerraMatrix
MONTGOMERY WATSON
Mining Group

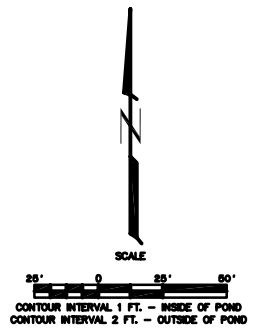
Sheet: _____ of _____ Sheets
 SCALE: _____ Drawing No. _____
 As Shown

AutoCAD FILE: CLAY-COVT178.DWG PROJECT NUMBER: 602-6200



Drawing eliminated for 2011 permit renewal.

FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
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Date Patrick G. Corser, NM P.E. 12236

Not For Construction

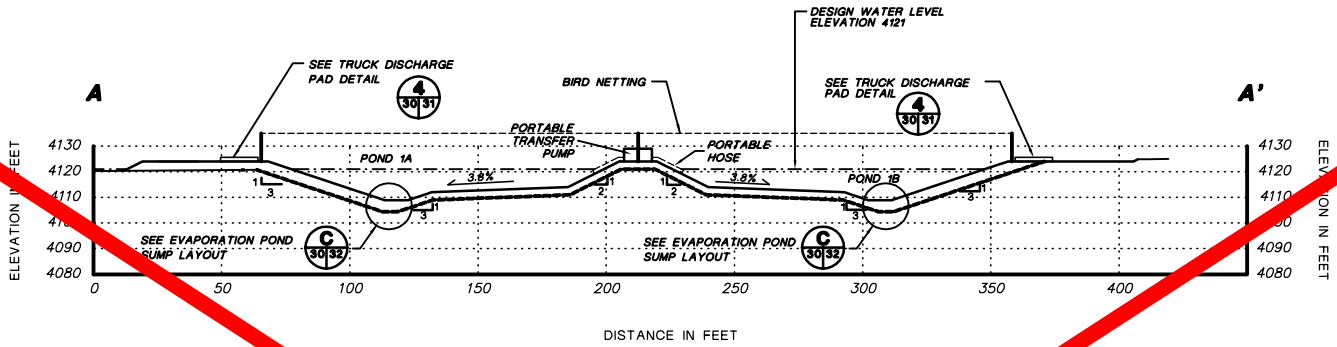
2	October 2000 Revision	10/4/00	J.Pellor	K.Corsari	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	12/21/97	PGC/PP	K.Corsari	P.Corsar
REVISIONS		DATE	DESIGN BY	DRAWN BY	REVIEWED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE: **EVAPORATION POND
CLAY LINER CONTOURS - PHASE 1**

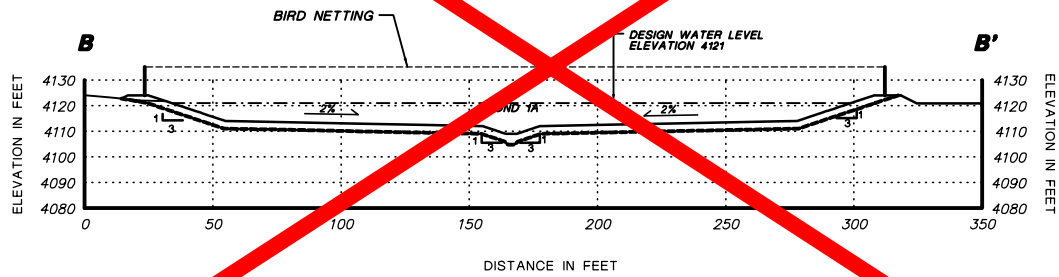
TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 1 of 7 Sheets
SCALE: As Shown
Drawing No. 21



CROSS-SECTION A-A'

HORIZONTAL SCALE
 0 25' 50'
 VERTICAL SCALE
 0 25' 50'



CROSS-SECTION B-B'

HORIZONTAL SCALE
 0 25' 50'
 VERTICAL SCALE
 0 25' 50'

Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

#	REVISIONS	DATE	DESIGN BY	DRAWN BY	APPROVED BY
2	October 2000 Revision	10/14/00	J.Pellick	K.Covath	P.Corser
2	NOVEMBER 2000 UPDATES	11/02/00	J.Trennes	M.Mullins	P.Corser
1	NOVEMBER 2000 REVISION	10/29/00	J.Pellick	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	02/10/97	PQC/PP	K.Covath	P.Corser

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
EVAPORATION POND CROSS SECTION

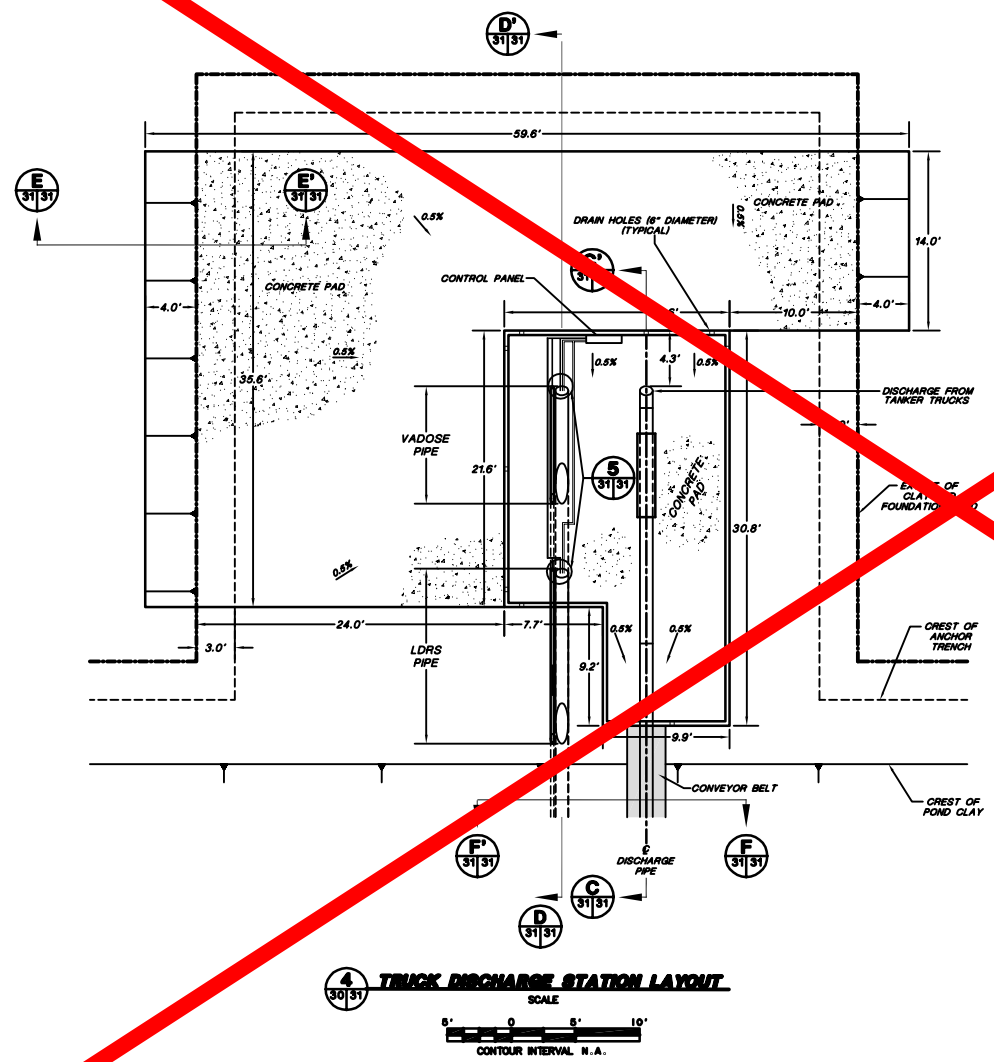
TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 1 of 1
 SCALE: As Shown
 DRAWING No. 2

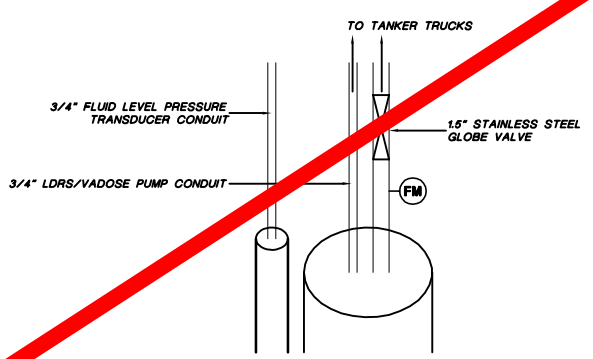
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

PROJECT NUMBER: 602-0200
 AutoCAD FILE: E5965282.DWG

ARCAD FILE: TANRZADZDWG PROJECT NUMBER: 602-0200



4 TRUCK DISCHARGE STATION LAYOUT
SCALE
CONTOUR INTERVAL 1.0' N.A.



5 PIPE CONDUIT DETAIL
NOT TO SCALE

Drawing eliminated for 2011 permit renewal.

NOTES:
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "GENERAL LEGEND AND GENERAL NOTES".
2. FOR CONCRETE DETAILS SEE DRAWING 45.
3. PIPING SYSTEM WILL COMPLY WITH API PUBLICATION 1615 (NOVEMBER 1979) OR ANSI STANDARD B31.2 AND ANSI STANDARD B31.4.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

#	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
1	October 2000 Revision	10/4/00	J.Pellier	K.Corsath	P.Corsar
2	SEPTEMBER 1999 REVISION	8/29	P.Corsar	T.Clark	P.Corsar
3	NOVEMBER 1998 REVISION	10/29/98	J.Pellier	T.Smith	P.Corsar
4	PART B PERMIT	11/11/97	PAG/JRC/JH	K.Corsath	P.Corsar

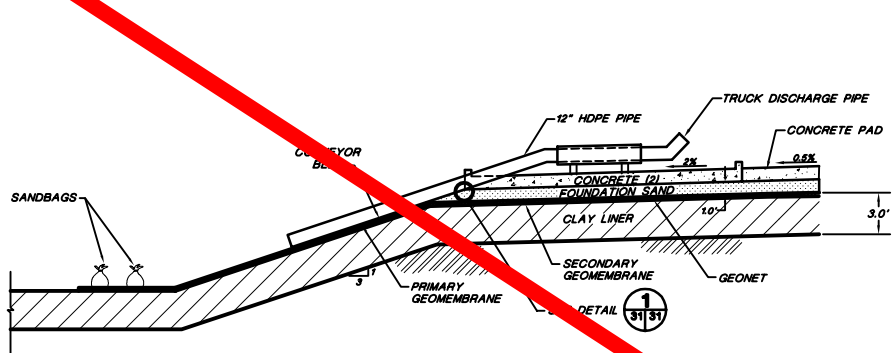
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **EVAPORATION POND TRUCK DISCHARGE STATION**

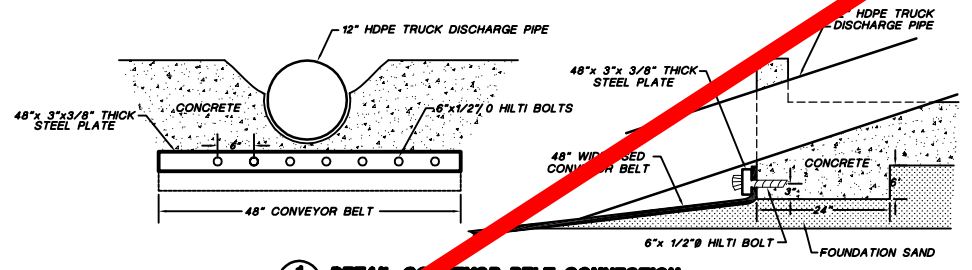
TerraMatrix
MONTGOMERY WATSON
Natural Resources Group

Sheet: 2 of 2
SCALE: As Shown
Drawing No. 1000000000

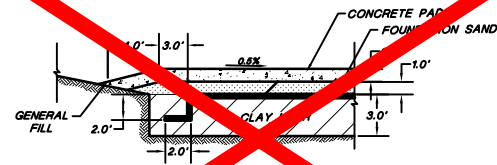
PROJECT NUMBER: 602-0200



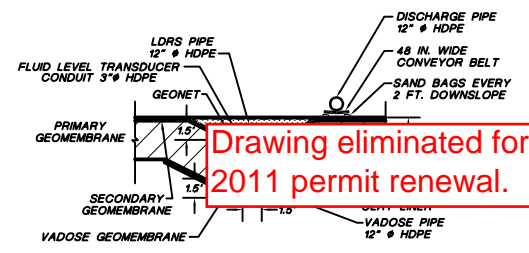
C CROSS-SECTION C-C'
Not To Scale



1 DETAIL CONVEYOR BELT CONNECTION
Not To Scale



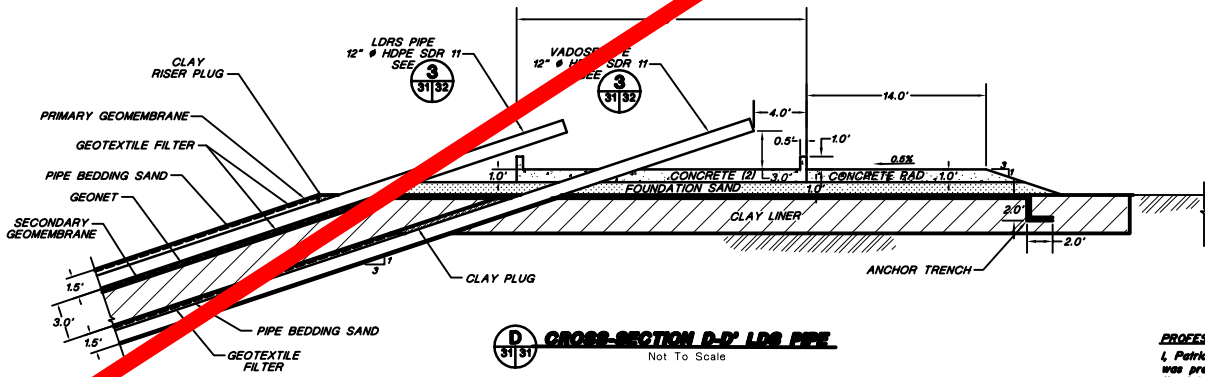
E CROSS-SECTION E-E' ACROSS RAMP
Not To Scale



F CROSS-SECTION F-F' CONVEYOR BELT
Not To Scale

Drawing eliminated for 2011 permit renewal.

- NOTES:**
 1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2 "INDEX, LEGEND AND GENERAL NOTES".
 2. FOR CONCRETE DETAILS SEE DRAWING No. 45.



D CROSS-SECTION D-D' LDPS PIPE
Not To Scale

PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236



Not For Construction

NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
4	October 2000 Revision	10/4/00	J.Pellor	K.Covats	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancoso	M.Murphy	P.Corser
2	SEPTEMBER 1998 REVISION	8/29	P.Corser	T.Clark	P.Corser
1	SEPTEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART 8 PERMIT APPLICATION	12/18/97	P.G.C./P.P.	K.Covats	P.Corser

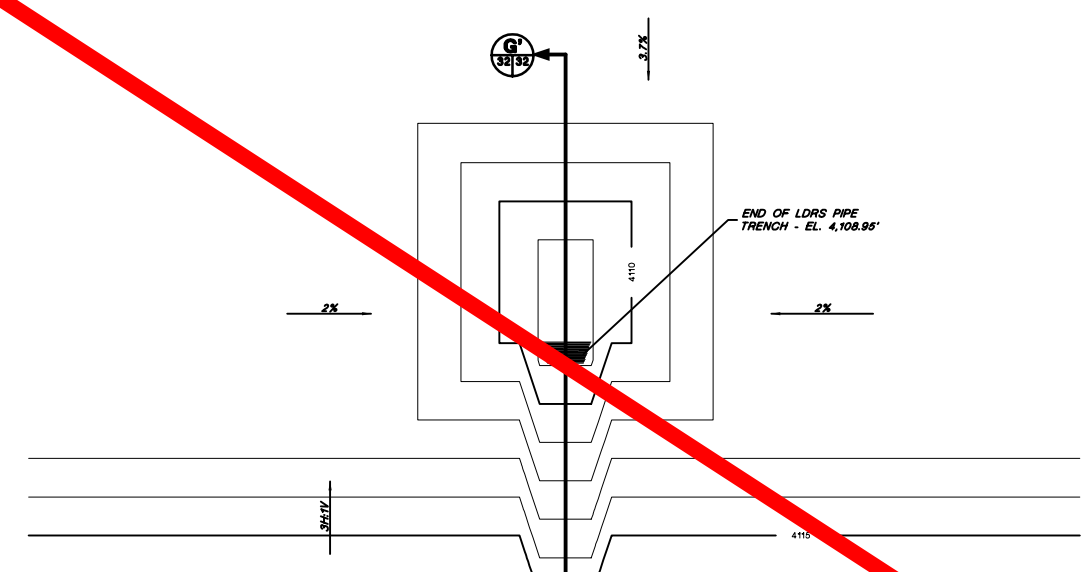
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE: **EVAPORATION POND
TRUCK DISCHARGE STATION**

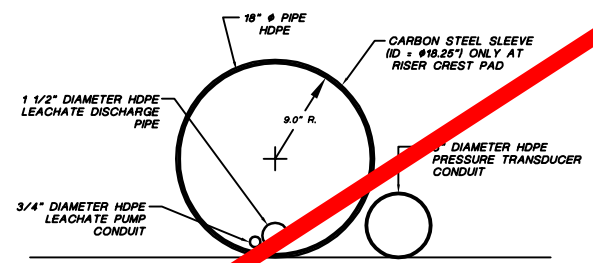
TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 of 2 Sheets
SCALE: As Shown
Drawing No. 31131

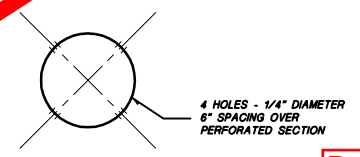
PROJECT NUMBER: 602-0200
AUTOCAD FILE: LDRS.LAN.DWG



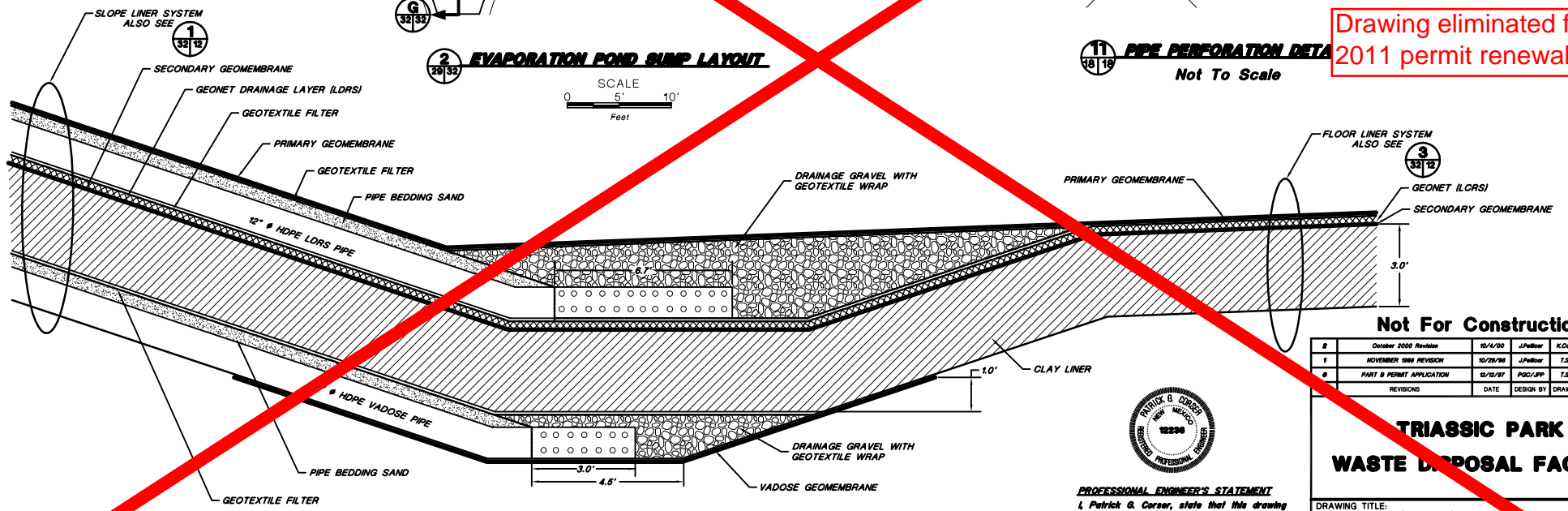
2 EVAPORATION POND SUMP LAYOUT
SCALE 0 5' 10'
Feet



3 LDRS AND LDRS RISER PIPE DETAIL
SCALE 0 0.5' 1.0'
Feet



11 PIPE PERFORATION DETAIL
Not To Scale



G EVAPORATION POND SUMP CROSS-SECTION
Not To Scale

Drawing eliminated for 2011 permit renewal.

Not For Construction

2	October 2008 Revision	10/14/08	J.Palmer	K.Clarke	P.Corsar
1	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	12/12/97	PGC/PP	T.Smith	P.Corsar
REVISIONS		DATE	DESIGN BY	DRAWN BY	CHECKED AND



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corsar, NJ P.E. 12236

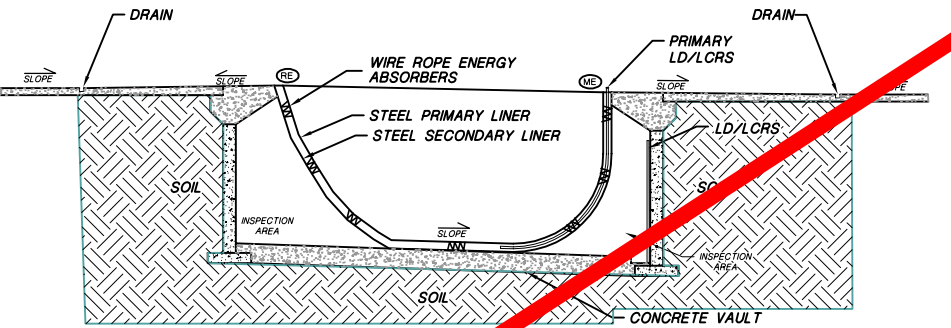
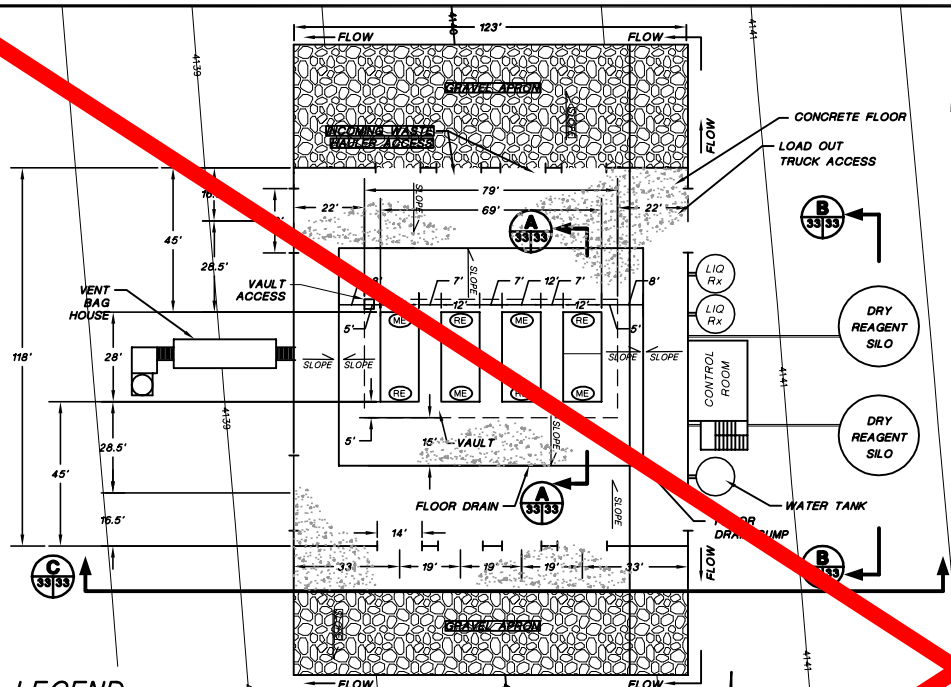
**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
EVAPORATION POND LDRS AND VADOSE PLAN AND DETAILS

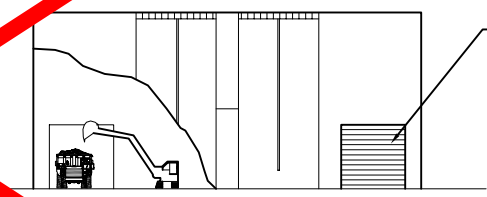
TerraMatrix
MONTBOMERY WATSON
Mining Group

Sheet: 1 of 7 Sheets
SCALE: As Shown
Drawing No. 602-0200-01

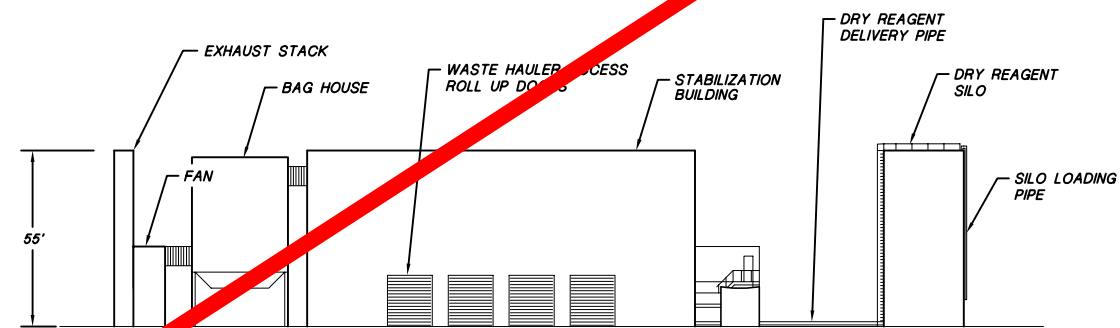
PROJECT NUMBER: 602-0200



NOTE: SEE DRAWING 36 FOR BIN DETAILS



Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

4	October 2000 Revision	10/4/00	J.Pellor	K.Covath	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancosa	M.Wright	P.Corser
2	SEPTEMBER 1998 REVISION	8/29	P.Corser	T.Glar	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/10/97	PCC/JPP	K.Covath	P.Corser
REVISIONS		DATE	DESIGN BY	DRAWN BY	REVIEWED AND APPROVED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

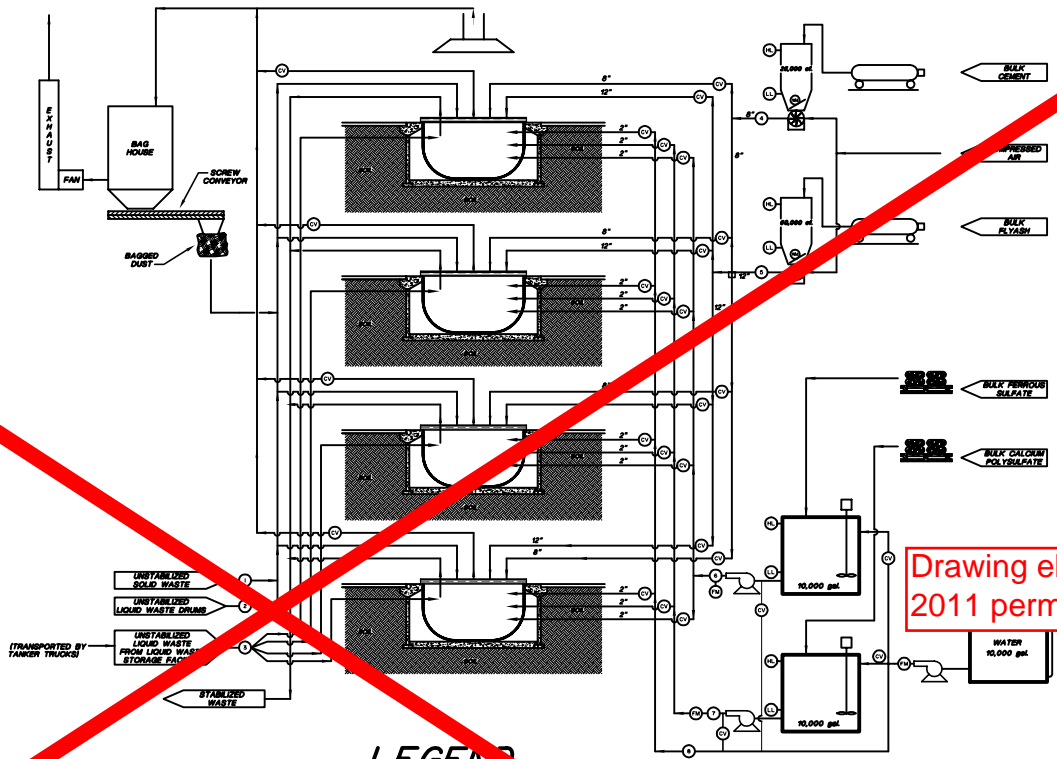
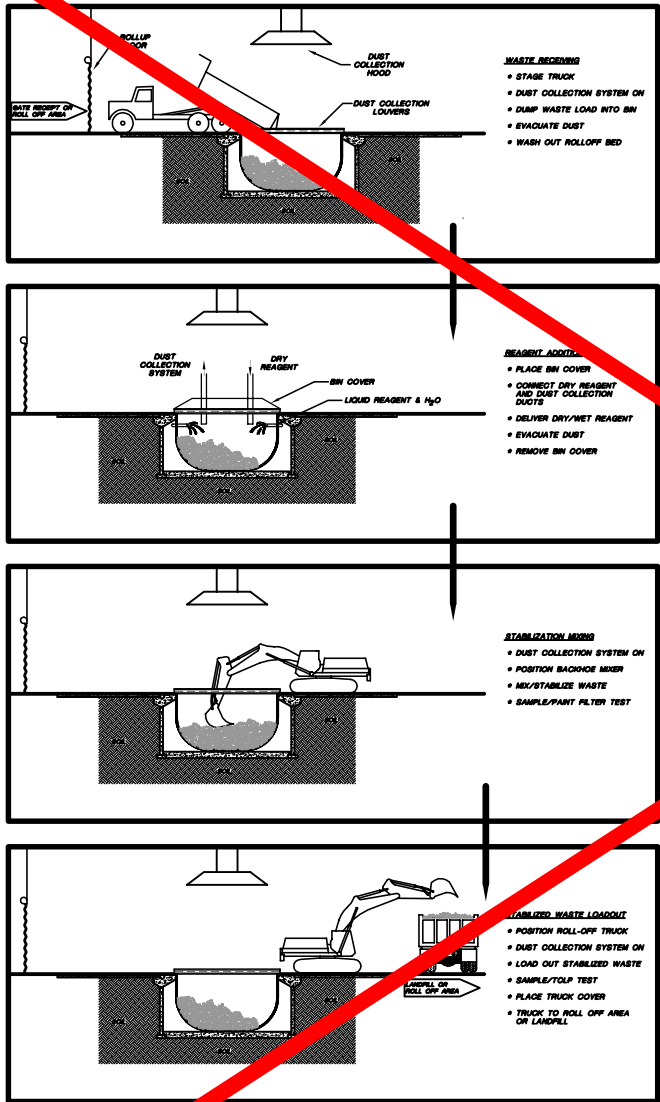
DRAWING TITLE: **STABILIZATION UNIT GENERAL ARRANGEMENT**

TerraMatrix
MONTGOMERY WATSON
Mixing Group

Sheet 1 of 7 Sheets
SCALE: As Shown
Drawing No. 33/33

FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

PROJECT NUMBER: 602-0200
AutoCAD FILE: 602FLOW.DWG



Drawing eliminated for 2011 permit renewal.

LEGEND

- (HL) HIGH LEVEL CUT OFF
- (LL) LOW LEVEL CUT OFF
- (WM) WEIGHT METER
- (FM) FLOW METER
- (CV) CONTROL VALVE
- (SG) SIGHT GAUGE



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

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NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
2	October 2000 Revision	10/14/00	J.Pellor	K.Cornish	P.Corser
2	SEPTEMBER 1999 REVISION	8/29	P.Corser	T.Clark	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/18/97	PGC/JP	K.Cornish	P.Corser

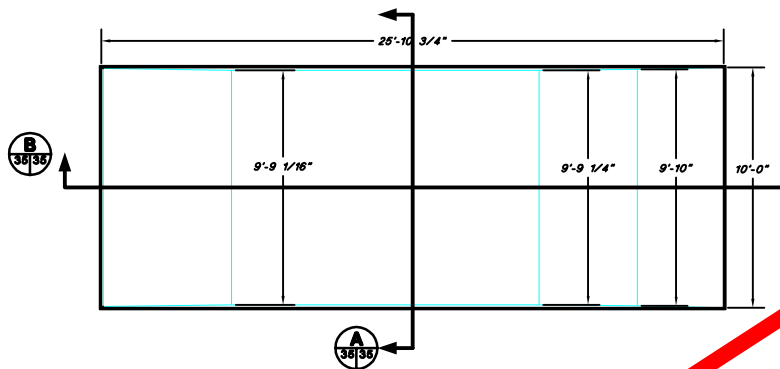
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **STABILIZATION UNIT WASTE FLOW DIAGRAM**

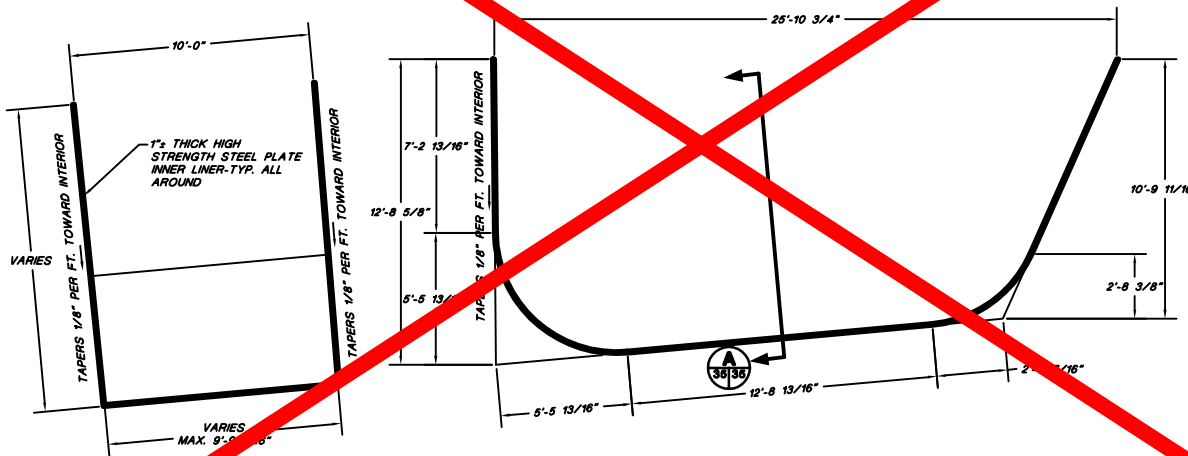
TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet _____ of _____ Sheets
SCALE: _____ Drawing No. _____
As Shown

PROJECT NUMBER: 602-0200



PLAN VIEW - INNER LINER



LONGITUDINAL SECTION - INNER LINER

CROSS SECTION - INNER LINER

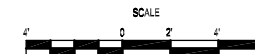
Drawing eliminated for 2011 permit renewal.



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Date: Patrick G. Corser, NM P.E. 12236

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NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
2	October 2008 Revise	10/14/08	J.Pellor	K.Coarash	P.Corser
1	NOVEMBER 1998 REVISION	10/29/98	J.Pellor	T.Sain	P.Corser
0	PART B PERMIT APPLICATION	12/10/97	PGC/JP	K.Coarash	P.Corser

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

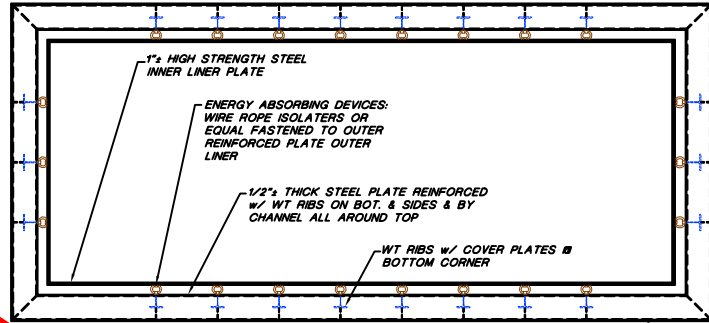
DRAWING TITLE: **STABILIZATION UNIT
BIN DESIGN**

FRED H. SCHOTT & ASSOCIATES
 CIVIL and STRUCTURAL ENGINEERING • LAND PLANNING & DESIGN DESIGN
 280 Schuchman Blvd, Suite A San Luis Obispo, CA 93401
 (805) 544-1230 FAX (805) 544-1234

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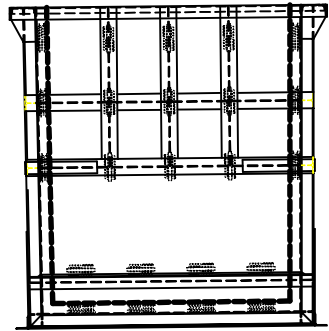
TerraMatrix
 MONTGOMERY WATSON
 Ming Group

Sheet _____ of _____ Sheets
 SCALE: As Shown
 DRAWING NO. _____

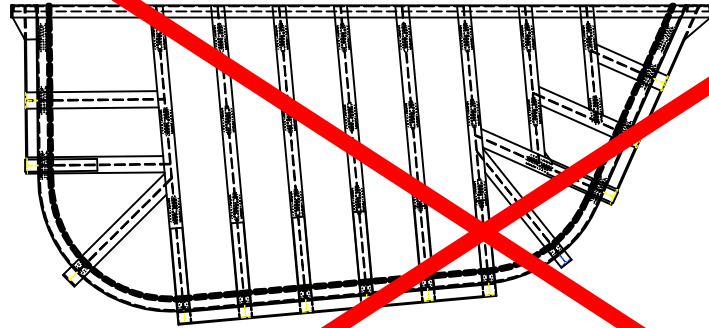


TOP VIEW

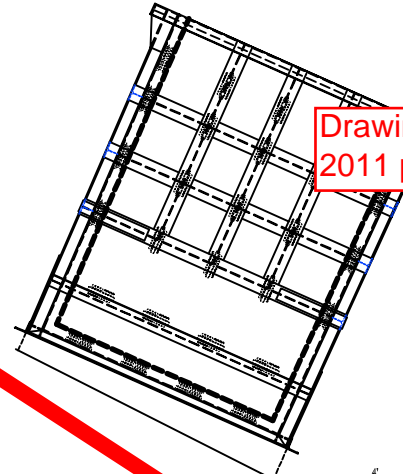
C12X W/ COVER PLATE-TYP. ALL AROUND TOP



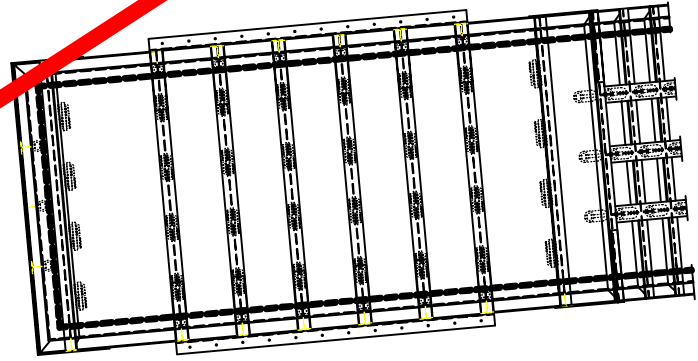
LEFT SIDE ELEVATION



TYPICAL SIDE ELEVATION

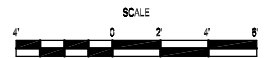


RIGHT SIDE ELEVATION



VIEW OF BOTTOM

Drawing eliminated for 2011 permit renewal.



8	October 2008 Revision	10/14/08	J.Palmer	K.Corsier	P.Corsier
9	NOVEMBER 2008 REVISION	10/28/08	J.Palmer	T.Smith	P.Corsier
10	PART B PERMIT APPLICATION	03/20/09	PGC/JP	K.Corsier	P.Corsier
REVISIONS		DATE	DESIGN BY	DRAWN BY	REVIEWED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE: **STABILIZATION UNIT
BIN DESIGN DETAILS**



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

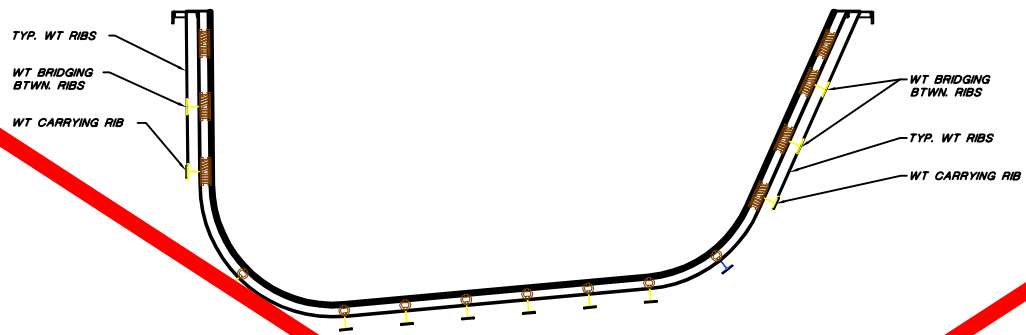
FRED H. SCHOTT & ASSOCIATES
CIVIL AND STRUCTURAL ENGINEERING • LAND PLANNING & DESIGN DESIGN
280 Schuchman Road, Suite A San Luis Obispo, CA 93401
(805) 544-1200 FAX (805) 544-2894

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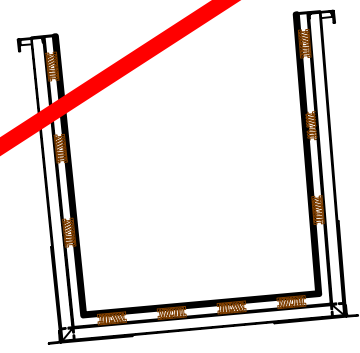
TerraMatrix
MONTGOMERY WATSON
Mixing Group

Sheet 2 of 2
SCALE: As Shown
DATE: 03/20/09

AR/CAD FILE: GEMBUILDING PROJECT NUMBER: 602-6200



LONGITUDINAL SECTION - INNER/OUTER LINERS & FRAMING



LATERAL SECTION - INNER/OUTER LINERS & FRAMING

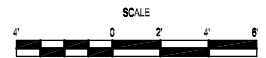
Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction



#	October 2008 Reissue	10/4/08	J.Palmer	K.Corsari	P.Corsar
#	NOVEMBER 1998 REVISION	10/29/98	J.Palmer	T.Smith	P.Corsar
#	PART B PERMIT APPLICATION	12/18/97	PQC/JP	K.Corsari	P.Corsar
REVISIONS		DATE	DESIGN BY	DRAWN BY	CHECKED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE: **STABILIZATION UNIT
BIN DESIGN DETAILS**

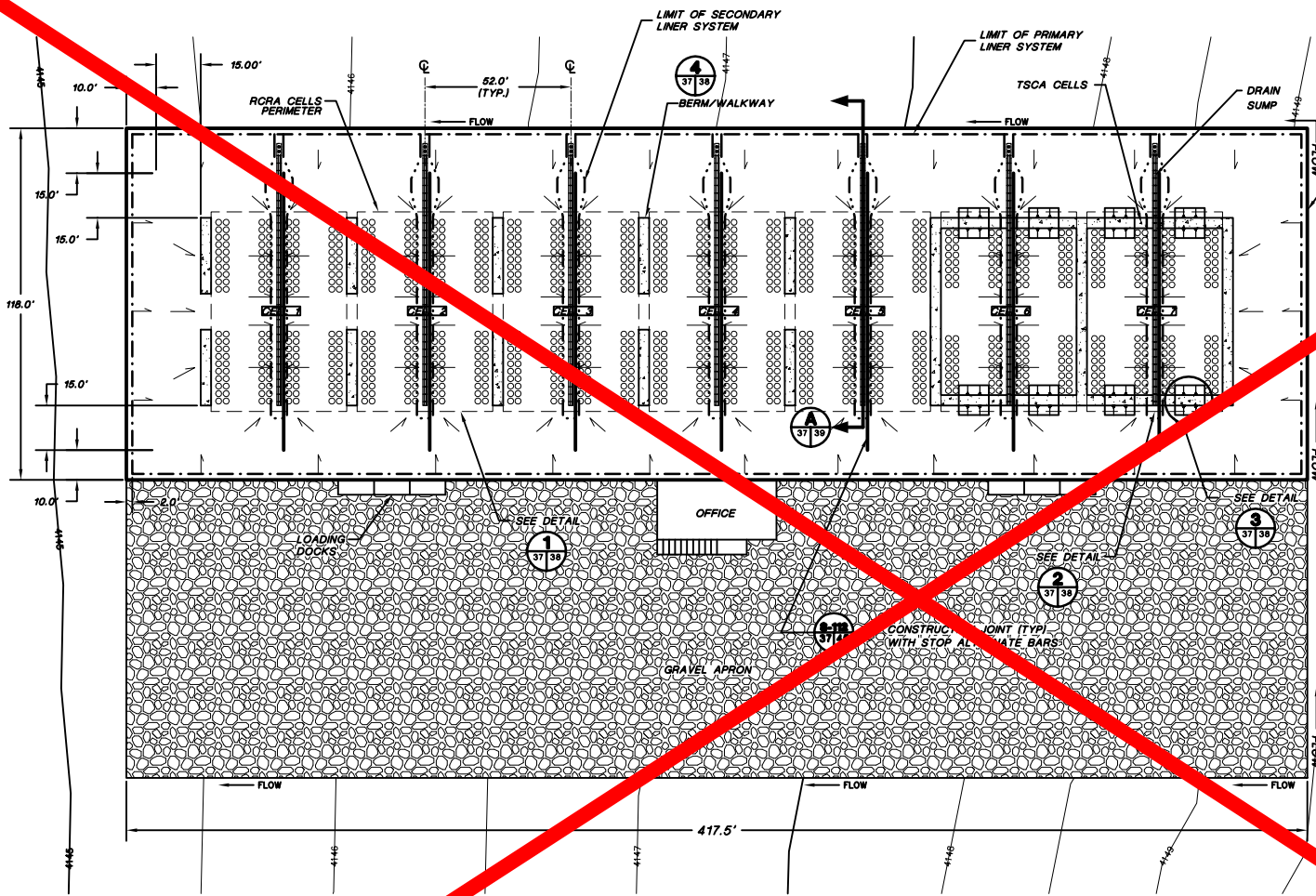
FRED H. SCHOTT & ASSOCIATES
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 (805) 544-1230 FAX (805) 544-2894

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TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 2 of 2 Sheets
 SCALE: As Shown
 Drawing No. SC-001

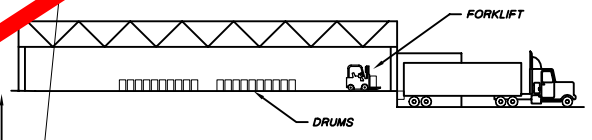
PROJECT NUMBER: 602-0200
AutoCAD FILE: 06L04P2.DWG



TYPICAL DRUM FLOOR LAYOUT

LEGEND

- DRAINAGE FLOW DIRECTION ON TOP OF CONCRETE
- EXTENT OF PRIMARY GEOMEMBRANE
- EXTENT OF SECONDARY GEOMEMBRANE
- ○ ○ ○ DRUMS



TYPICAL SIDE ELEVATION

Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

#	October 2000 Revision	10/4/00	J.Pellor	K.Covath	P.Corser
1	SEPTEMBER 1998 REVISION	09/01/98	P.Corser	T.Sam	P.Corser
2	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Sam	P.Corser
3	PART B PERMIT APPLICATION	07/20/97	P.G.C./J.P.	K.Covath	P.Corser

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
DRUM HANDLING UNIT GENERAL ARRANGEMENT

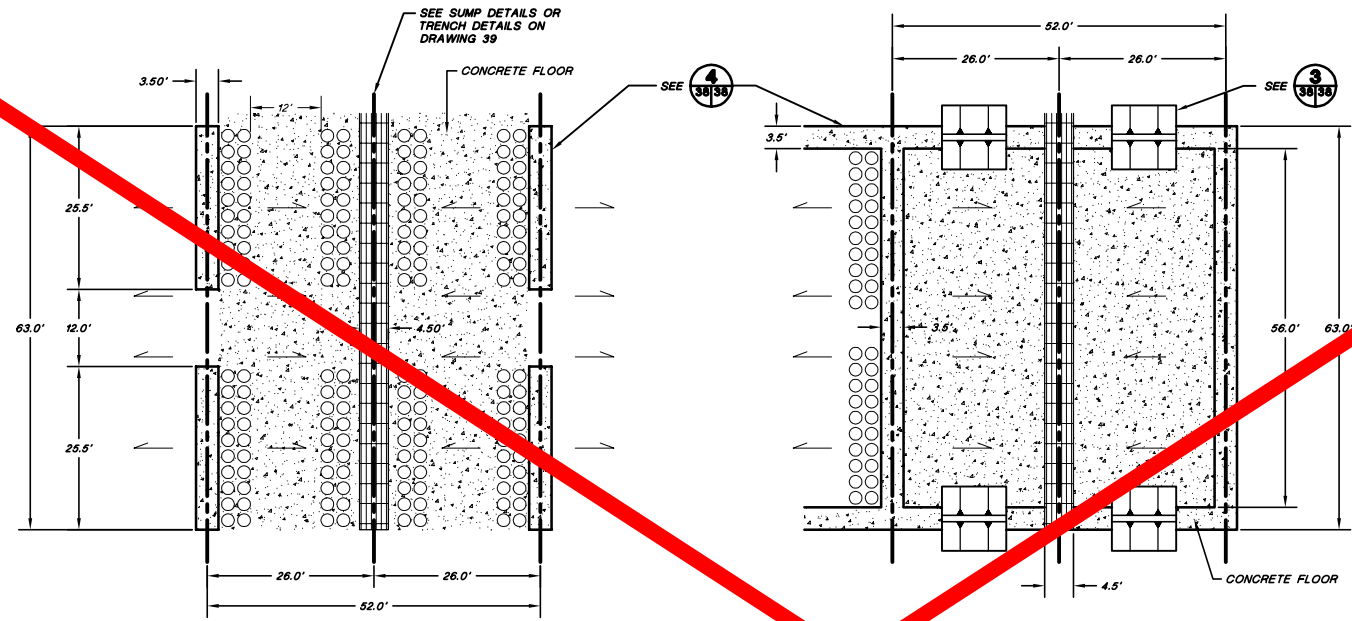
TerraMatrix
 MONTGOMERY WATSON
 Making Group

Sheet 1 of 7 Sheets
 SCALE: As Shown
 DRAWING No. 37

- NOTES:**
- 1) FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - 2) EACH CELL SHALL BE LABELED ACCORDING TO THE TYPE OF WASTE BEING STORED.
 - 3) INCOMPATIBLE WASTES WILL BE STORED IN SEPARATE CELLS.

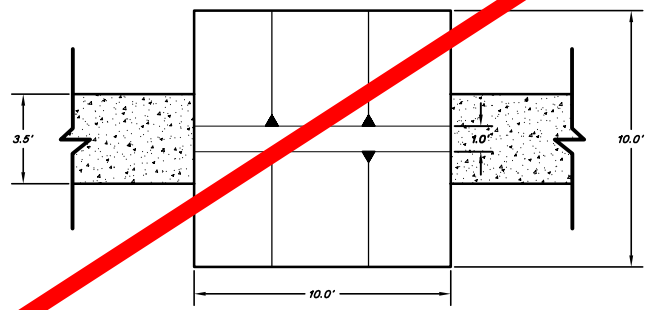
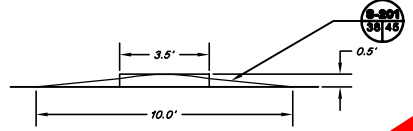
TYPICAL FRONT ELEVATION

PROJECT NUMBER: 602-0200

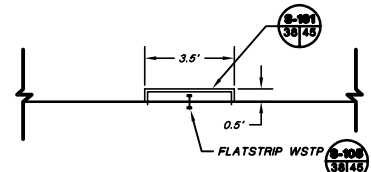


1 TYPICAL RCRA GILL DETAIL
Not To Scale

2 TYPICAL TEGA GILL DETAIL
Not To Scale



3 TYPICAL TEGA GILL ACCESS RAMP DETAIL
Not To Scale



4 TYPICAL BEAM WALKWAY DETAIL
Not To Scale

LEGEND

- DRAINAGE FLOW DIRECTION
- CENTERLINE
- DRUMS

SCALE

Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

#	October 2000 Revision	10/14/00	J.Pellor	K.Corrish	P.Corser
2	SEPTEMBER 1998 REVISION	8/98	P.Corser	T.Clark	P.Corser
1	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	12/20/97	PGC/JPP	K.Corrish	P.Corser
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

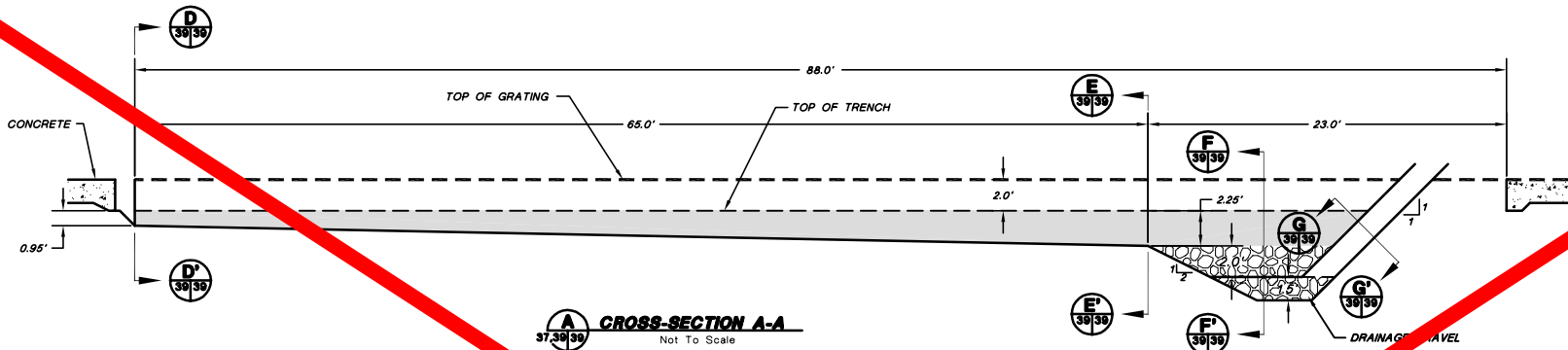
DRAWING TITLE:
DRUM HANDLING UNIT DETAILS

TerraMatrix
MONTGOMERY WATSON
Mining Group

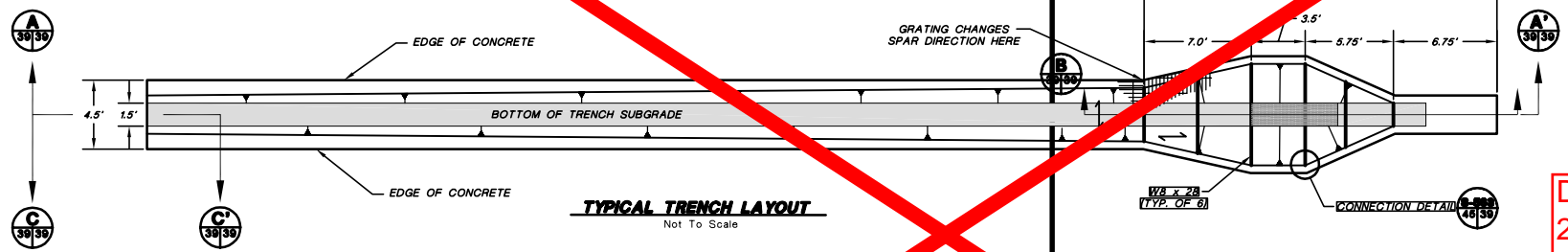
Sheet No. 1 of 1
SCALE: As Shown
Drawing No. 602-0200-SC-01

NOTE: GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, INDEX, LEGEND AND GENERAL NOTES.

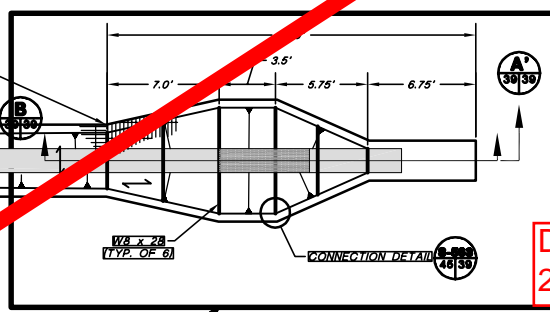
PROJECT NUMBER: 602-0200



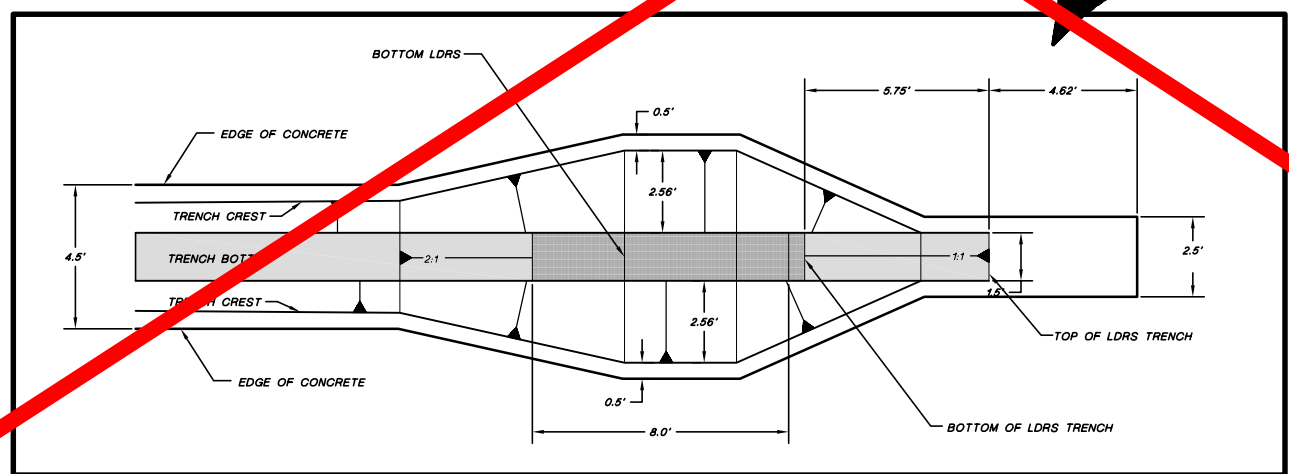
CROSS-SECTION A-A
37.39/39 Not To Scale



TYPICAL TRENCH LAYOUT
Not To Scale



Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.
Date Patrick G. Corser, NM P.E. 12236

#	October 2000 Revise	10/4/00	J.Pellor	K.Covarr	P.Corser
1	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Smith	P.Corser
2	PART B PERMIT APPLICATION	12/12/97	PQC/JP	K.Covarr	P.Corser
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

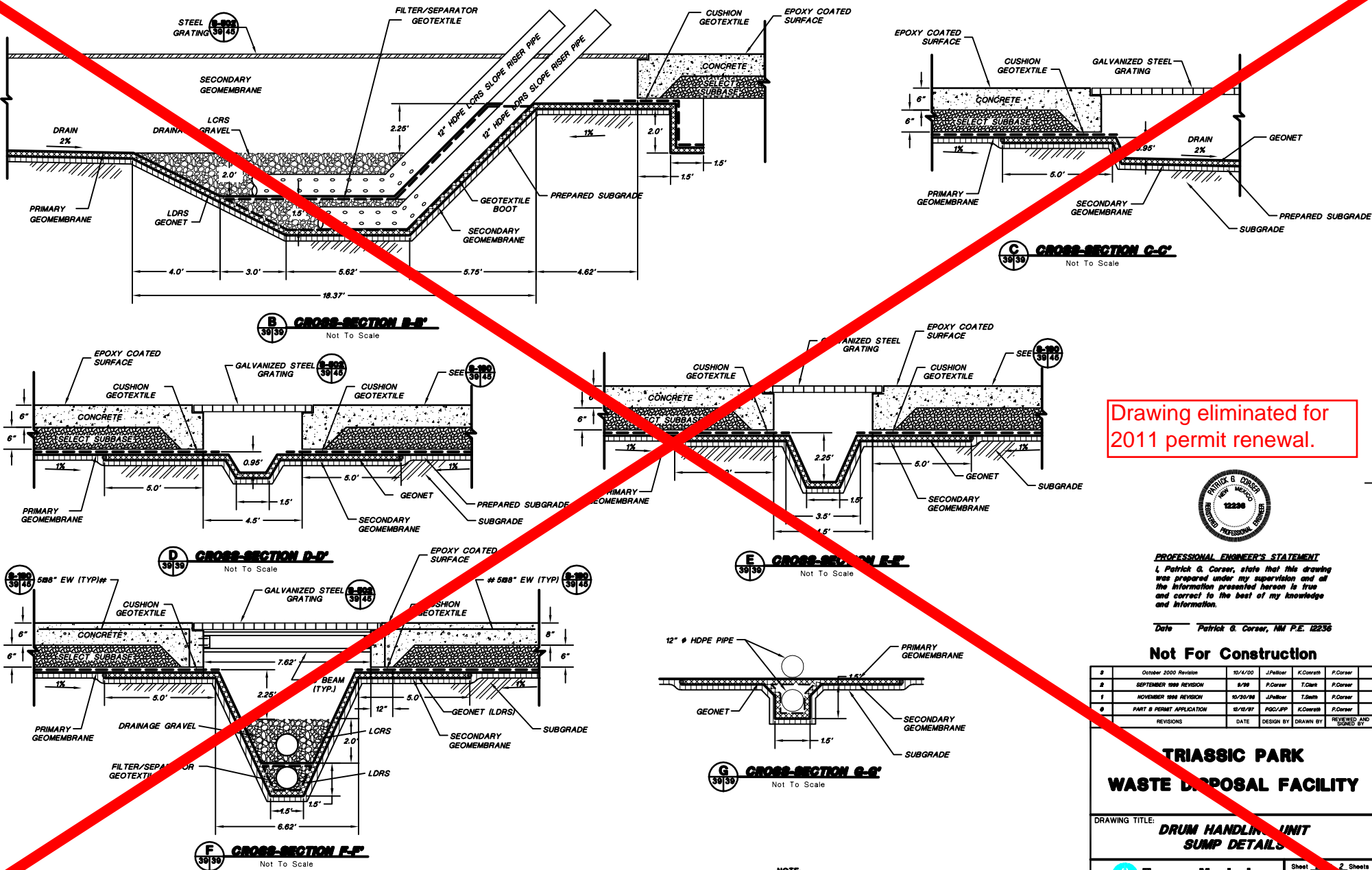
DRAWING TITLE:
**DRUM HANDLING UNIT
SUMP DETAILS**

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 of 2
SCALE: As Shown
Drawing No. 602-0200-01

NOTES:
GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
INDEX, LEGEND AND GENERAL NOTES.

PROJECT NUMBER: 602-2020



Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
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Date Patrick G. Corser, NM P.E. 12236

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#	October 2000 Revision	10/14/00	J.Pellier	K.Covarrub	P.Corser
#	SEPTEMBER 1998 REVISION	9/28	P.Corser	T.Clark	P.Corser
#	NOVEMBER 1998 REVISION	10/30/98	J.Pellier	T.Smith	P.Corser
#	PART B PERMIT APPLICATION	10/16/97	PGC/APP	K.Covarrub	P.Corser
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND APPROVED BY

TRIASSIC PARK WASTE DISPOSAL FACILITY

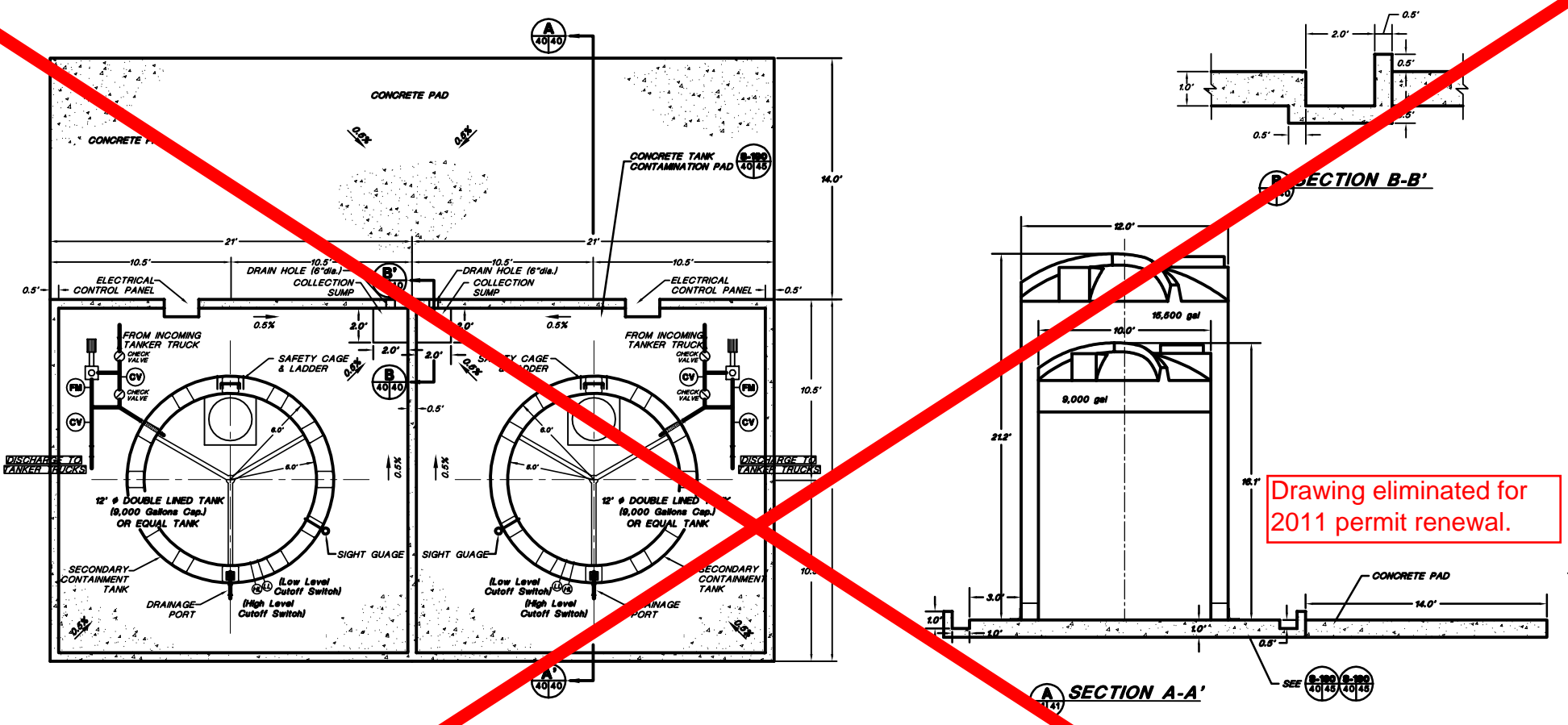
DRAWING TITLE: **DRUM HANDLING UNIT SUMP DETAILS**

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 of 2
SCALE: As Shown
Drawing No. 2

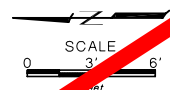
NOTE: FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

ARCAD FILE: 624.WISE.DWG PROJECT NUMBER: 602-0200



Drawing eliminated for 2011 permit renewal.

LIQUID WASTE RECEIVING & STORAGE AREA

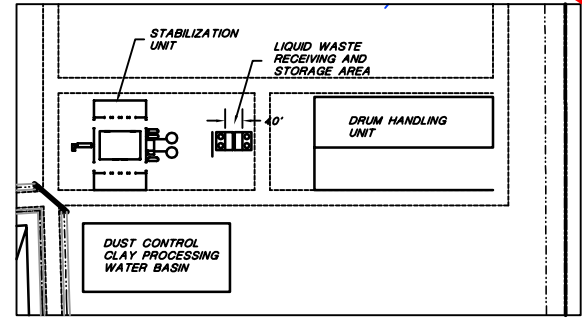


- NOTES:**
- FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".
 - FOR CONCRETE DETAILS SEE DRAWING 45.
 - TWO TANKS WILL BE CONSTRUCTED INITIALLY TO SERVICE SITE EXCAVATIONS. TWO ADDITIONAL TANKS MAY BE ADDED AT A LATER DATE TO ACCOMMODATE ANY INCREASES IN LIQUID WASTE VOLUME.
 - PIPING WILL BE INSTALLED ACCORDING TO API PUBLICATION 1615 (NOVEMBER 1999) OR ANSI STANDARD B 31.2 AND ANSI STANDARD B 31.4.
 - PIPING LOCATION WILL BE DETERMINED IN THE FIELD.
 - DETAILS OF THE DOUBLE LINED TANKS ARE PROVIDED IN SHEET 2.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236



LIQUID WASTE RECEIVING & STORAGE AREA LOCATION

Not For Construction

NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVISED BY
4	October 2000 Revision	10/14/00	J.Pellor	K.Covath	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancosta	M.Merritt	P.Corser
2	SEPTEMBER 1998 REVISION	09/01/98	P.Corser	T.Smith	P.Corser
1	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	02/20/97	PGC/PP	E.Simons	P.Corser

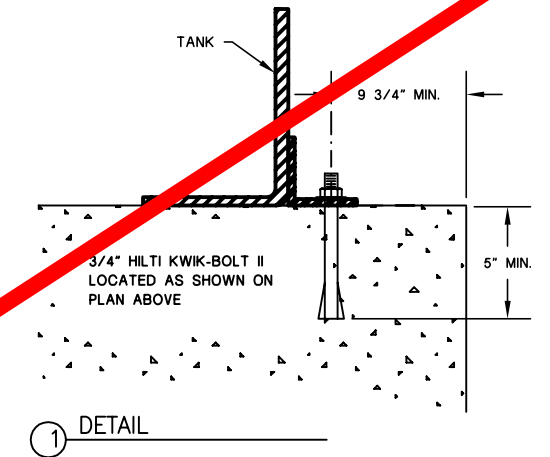
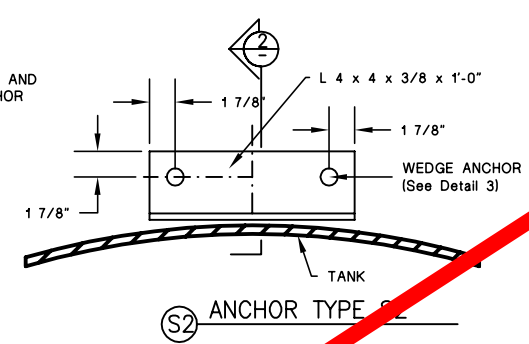
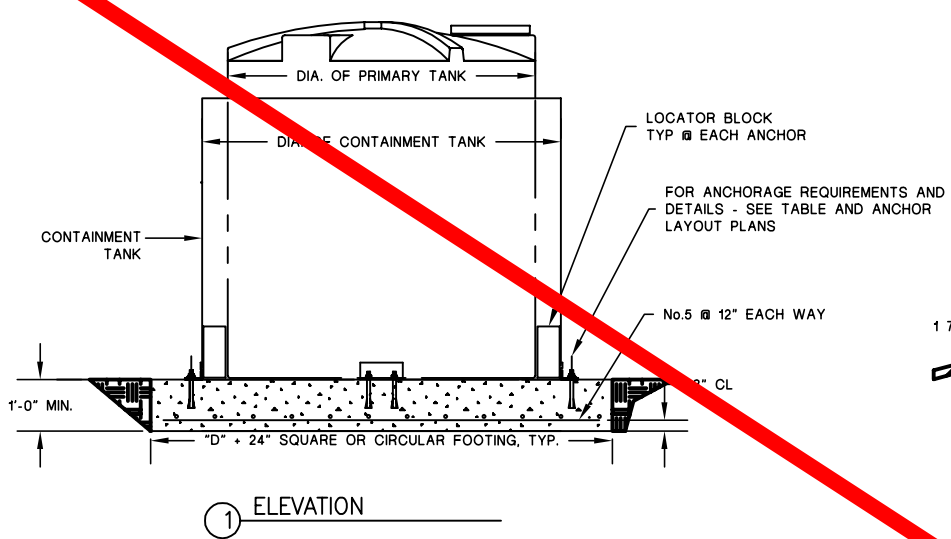
TRIASSIC PARK WASTE DISPOSAL FACILITY

LIQUID WASTE RECEIVING AND STORAGE UNIT LAYOUT

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet No. 2 of 2
 SCALE: 1" = 6'-0"
 See Scale Bar

AUTOCAD FILE: 0624.WRSEF_SHEET2 PROJECT NUMBER: 002-0200



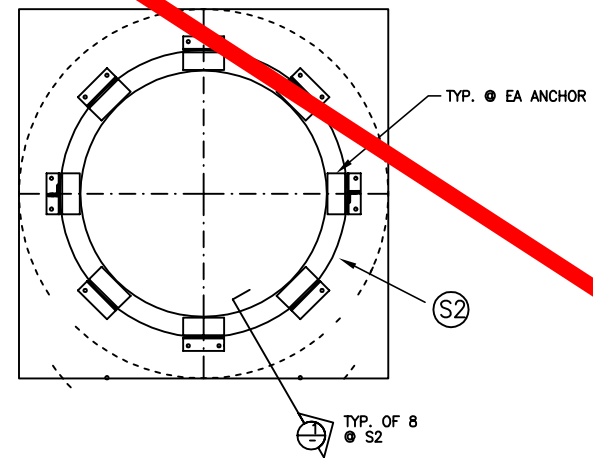
① ELEVATION

① DETAIL

TANK DATA							ANCHORAGE REQUIREMENTS	
PRIMARY MODEL NO.	SECONDARY MODEL NO.	CAPACITY (GALS.)	DIAMETER (FT.)	HEIGHT (FT.)	WEIGHT (LBS.)	ANCHOR LAYOUT	CABLE DIAMETER	
10 VCT 09K	12 VOC 15E	9000	10	16.08	7000	D		

GENERAL NOTES

- TANK RESTRAINT ANCHORAGES, CABLES DESIGNED FOR SEISMIC AND WIND FORCES PER THE UNIFORM BUILDING CODE, 1997 EDITION.
- MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE UBC AND THE FOLLOWING CRITERIA:
 STRUCTURAL STEEL: ASTM A36
 CONCRETE: COMPRESSIVE STRENGTH (f'c) = 2500 PSI, MAX. SLUMP = 4 INCHES
 REINFORCEMENT: ASTM A615, YIELD STRENGTH (fy) = 40,000 PSI
 ANCHORS: HILTI "KWIK-BOLT" OR WEJ-TITE "ANKR-TITE". INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- REMOVE ALL SHARP EDGES THAT MAY DAMAGE OR CAUSE WEAR TO CABLES.
- ALL GALLONAGES AND DIMENSIONS ARE NOMINAL.



③ ANCHOR LAYOUT 'C'

Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

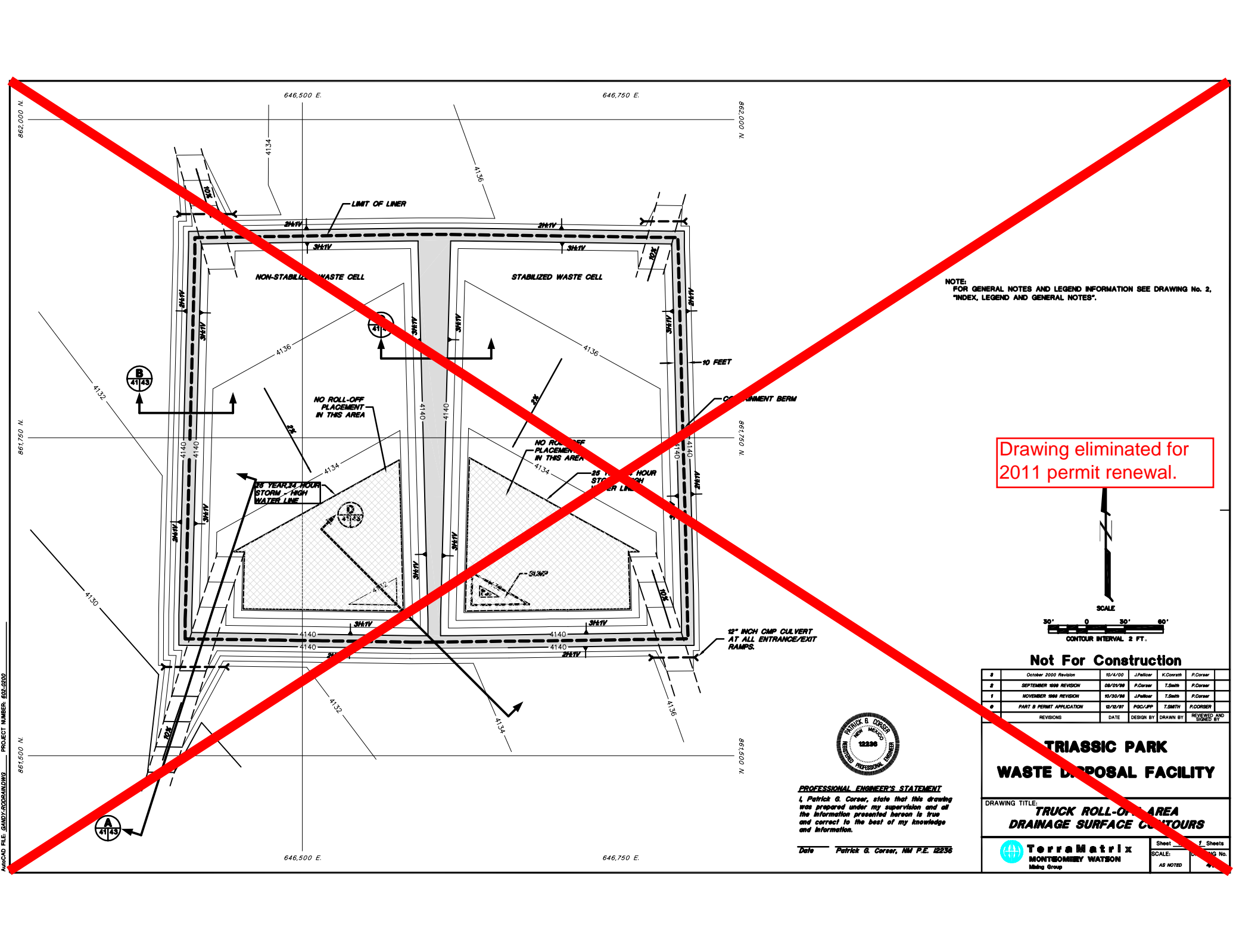
NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
4	October 2000 Revision	10/4/00	J.Pellor	K.Covath	P.Corser
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancosta	M.Melillo	P.Corser
2	SEPTEMBER 1998 REVISION	09/01/98	P.Corser	T.Smith	P.Corser
1	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Smith	P.Corser
0	PART B PERMIT APPLICATION	03/20/97	PQC/PP	E.Simmons	P.Corser

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
LIQUID WASTE RECEIVING AND STORAGE UNIT LAYOUT

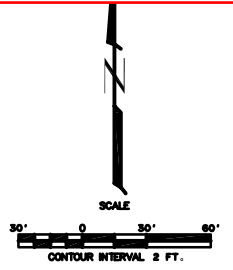
TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 2 of 2 Sheets
 SCALE: Drawing No. 40



NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".

Drawing eliminated for
2011 permit renewal.



Not For Construction

#	October 2000 Revision	10/4/00	J.Pellor	K.Corrish	P.Corsar
2	SEPTEMBER 1998 REVISION	08/01/98	P.Corsar	T.Smith	P.Corsar
1	NOVEMBER 1998 REVISION	10/30/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	02/20/97	PGC/PP	T.Smith	P.CORSAR
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**TRUCK ROLL-OFF AREA
DRAINAGE SURFACE CONTOURS**



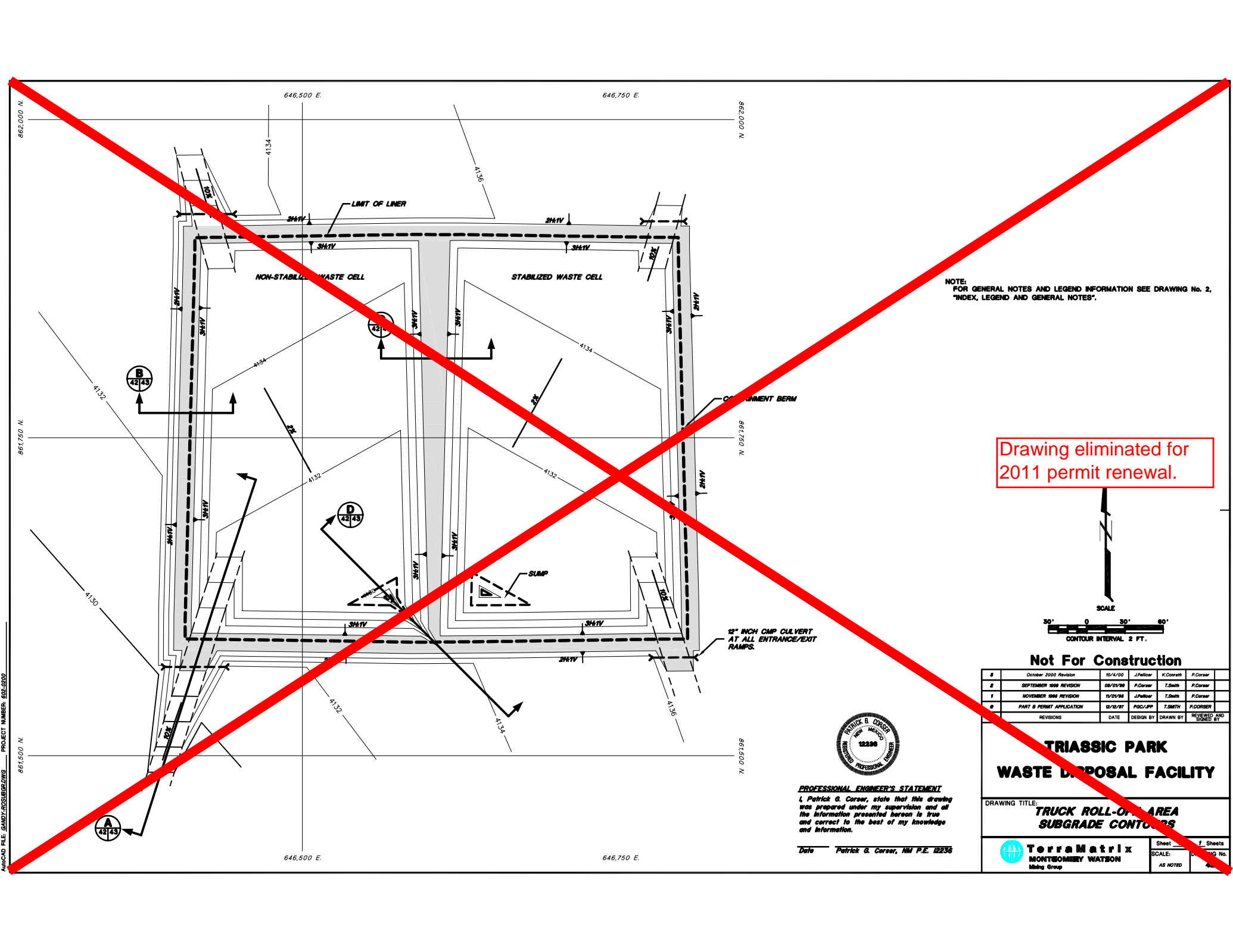
PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corsar, NM P.E. 12236

TerraMatrix
MONTGOMERY WATSON
Mining Group

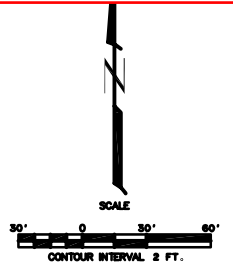
Sheet 1 of 1 Sheets
SCALE: AS NOTED
Drawing No. 12236

AutoCAD FILE: GANDY-CORRISH.DWG PROJECT NUMBER: 602-0200



NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2,
"INDEX, LEGEND AND GENERAL NOTES".

Drawing eliminated for
2011 permit renewal.



Not For Construction

#	October 2000 Revision	10/4/00	J.Pellor	K.Corrish	P.Corsar
2	SEPTEMBER 1998 REVISION	08/01/98	P.Corsar	T.Smith	P.Corsar
1	NOVEMBER 1998 REVISION	11/01/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	03/20/97	PGC/PP	T.Smith	P.CORSAR
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**TRUCK ROLL-OF AREA
SUBGRADE CONTOURS**



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

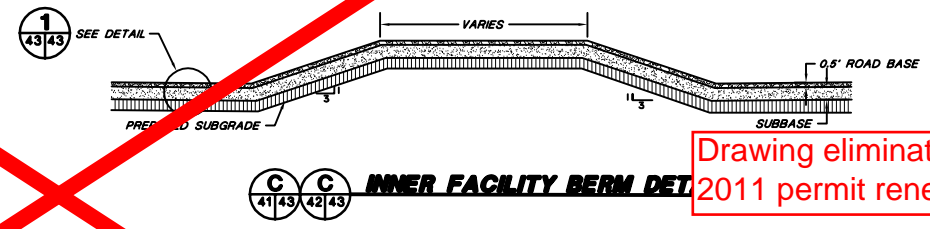
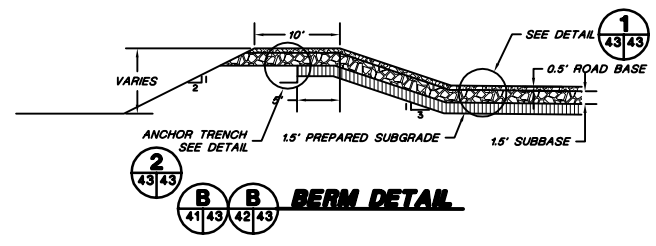
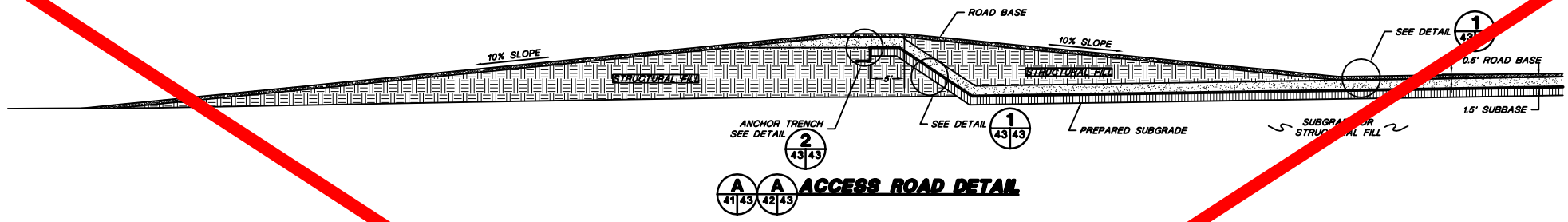
Date Patrick G. Corsar, NM P.E. 12236

TerraMatrix
MONTGOMERY WATSON
Mining Group

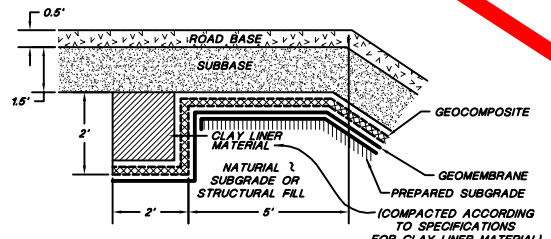
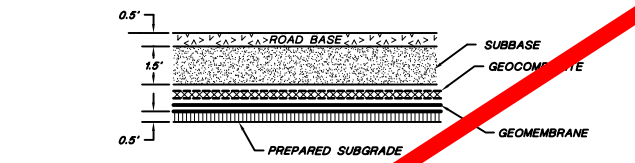
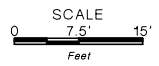
Sheet 1 of 1 Sheets
SCALE: AS NOTED
Drawing No. AS NOTED

AutoCAD FILE: GANDY\ACDSUBGR.DWG PROJECT NUMBER: 602-0200

PROJECT NUMBER: 602-0200
A:\CAD FILE: 2010\02\2010.DWG



Drawing eliminated for 2011 permit renewal.



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236

Not For Construction

NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND APPROVED BY
2	SEPTEMBER 1998 REVISION	8/28	P. Corser	T. Clark	P. Corser
1	NOVEMBER 1998 REVISION	10/20/98	J. Peltier	T. Smith	P. Corser
0	PART B PERMIT APPLICATION	02/20/97	PCC/JPP	T. Smith	P. Corser

TRIASSIC PARK WASTE DISPOSAL FACILITY

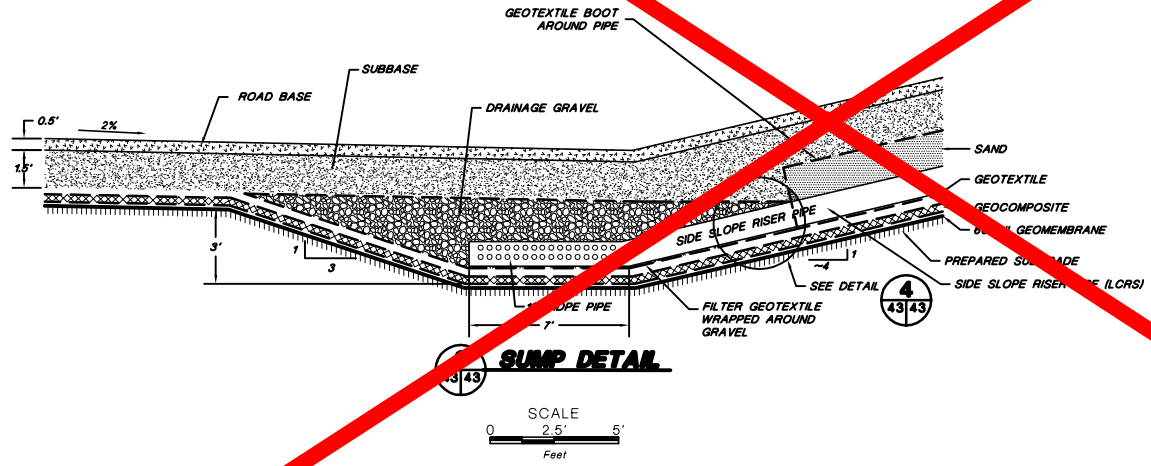
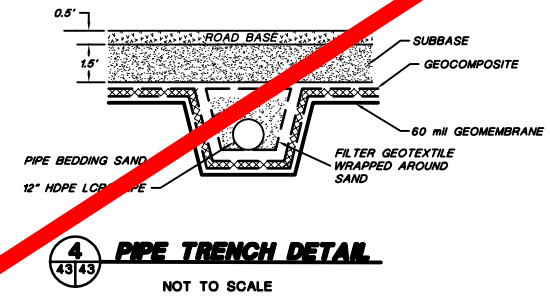
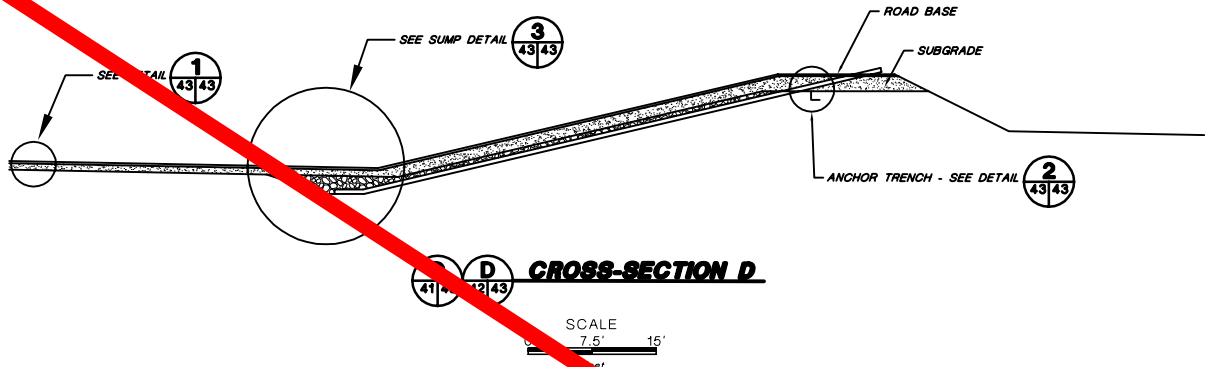
DRAWING TITLE:
TRUCK ROLL-OFF AREA LINER DETAILS

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet: 2
SCALE: As Shown
Drawing No. 43/43

FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

PROJECT NUMBER: 602-0200



Drawing eliminated for 2011 permit renewal.

Not For Construction

#	October 2000 Revision	10/14/00	J.Pellor	K.Corrith	P.Corsar
2	SEPTEMBER 1998 REVISION	8/28	P.Corsar	T.Clark	P.Corsar
1	NOVEMBER 1998 REVISION	11/10/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	02/28/97	PQC/JP	T.Smith	P.Corsar
	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **TRUCK ROLL-OFF AREA LINER DETAILS**



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented herein is true and correct to the best of my knowledge and information.

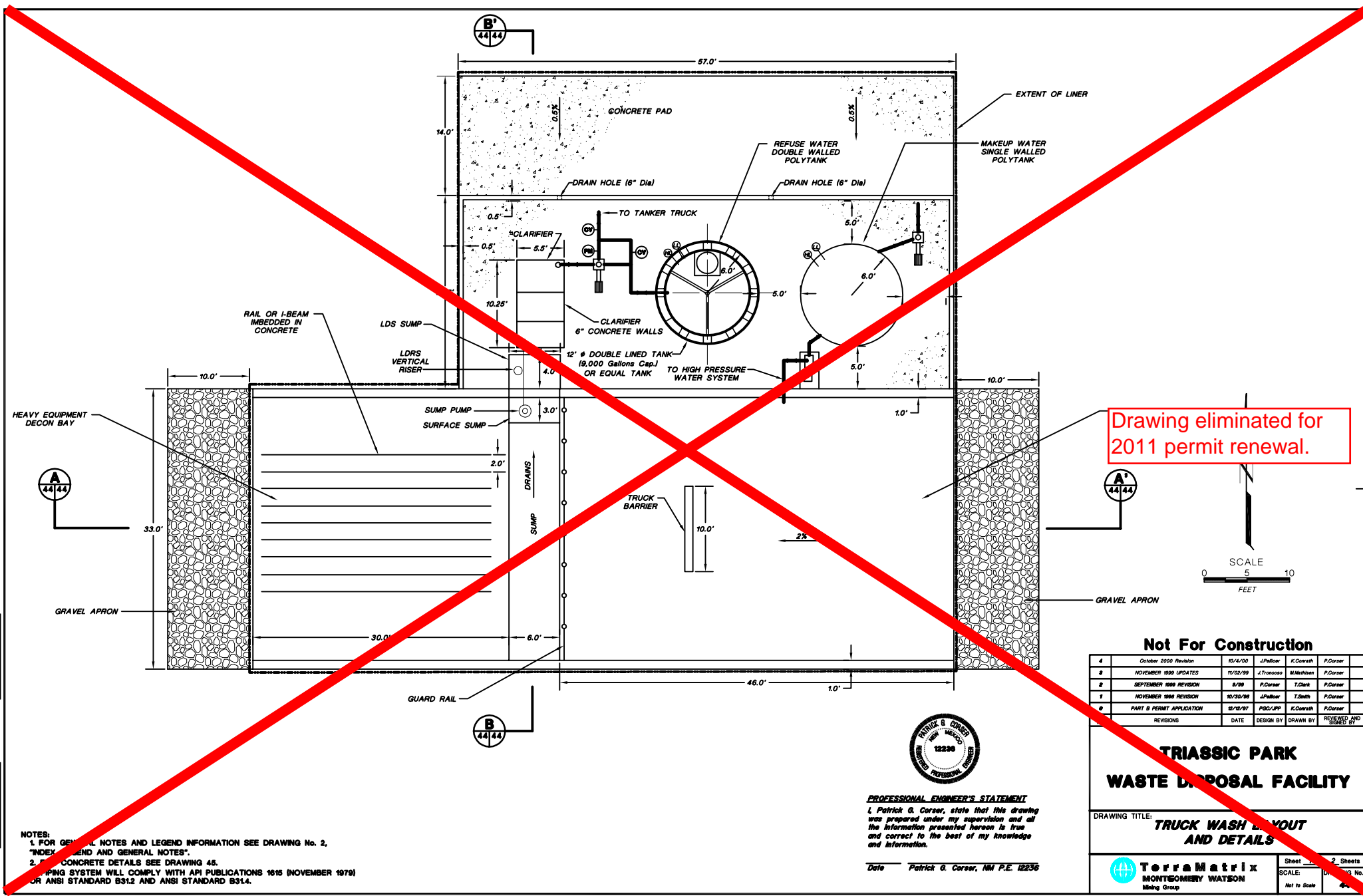
Date: Patrick G. Corsar, NM P.E. 12236

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 of 2
SCALE: As Shown
Drawing No. 43/43

FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

AutoCAD FILE: J2001AS21.DWG PROJECT NUMBER: 602-0200



Drawing eliminated for 2011 permit renewal.



Not For Construction

NO.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED BY
4	October 2000 Revision	10/14/00	J.Pellor	K.Covath	P.Corsar
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancosa	M.Mitchell	P.Corsar
2	SEPTEMBER 1998 REVISION	8/28	P.Corsar	T.Clark	P.Corsar
1	NOVEMBER 1998 REVISION	10/20/98	J.Pellor	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	03/10/97	PQC/JP	K.Covath	P.Corsar

**TRIASSIC PARK
WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**TRUCK WASH LAYOUT
AND DETAILS**

TerraMatrix
MONTGOMERY WATSON
Mining Group

Sheet 2 of 2
SCALE: Not to Scale
Drawing No. 46

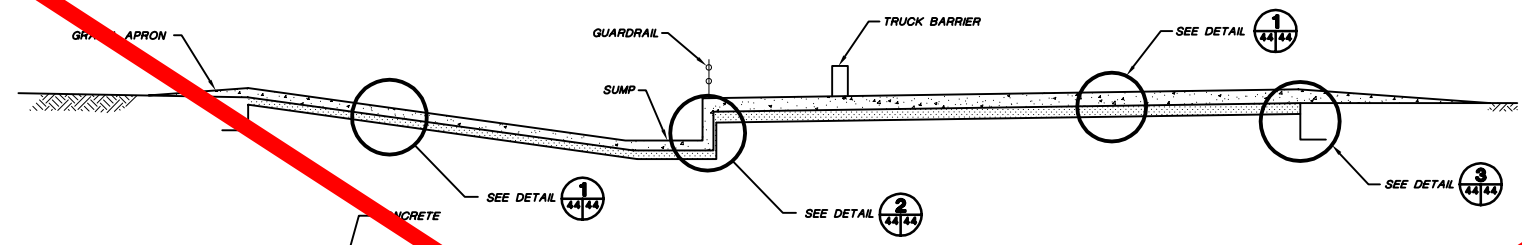


PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corsar, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

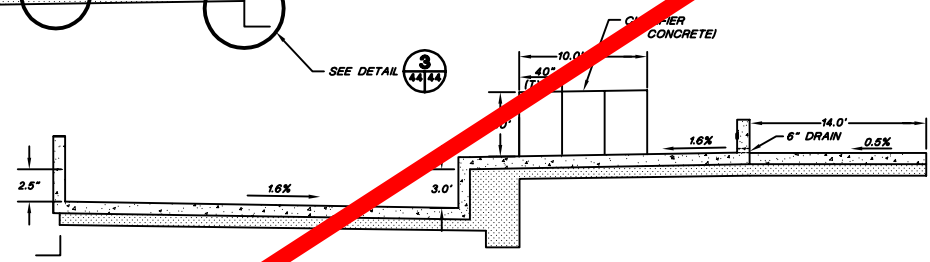
Date: Patrick G. Corsar, NJ P.E. 12230

- NOTES:**
1. FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX LEGEND AND GENERAL NOTES".
 2. FOR CONCRETE DETAILS SEE DRAWING 46.
- PAVING SYSTEM WILL COMPLY WITH API PUBLICATIONS 1616 (NOVEMBER 1979) OR ANSI STANDARD B31.2 AND ANSI STANDARD B31.4.

PROJECT NUMBER: 602-0200



TRUCK WASH CROSS-SECTION

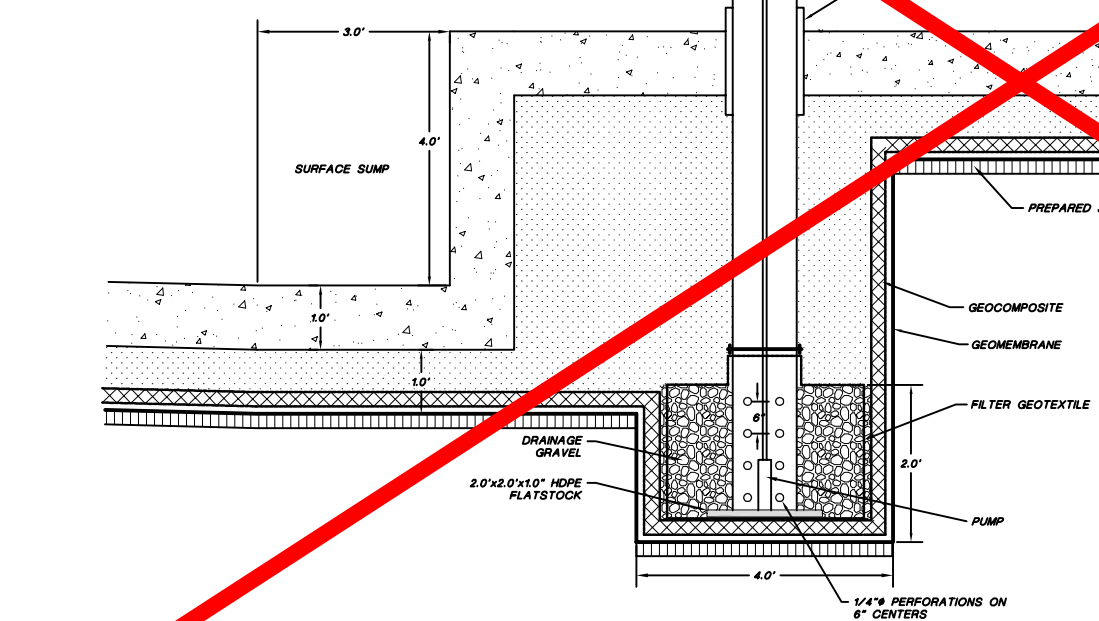


TRUCK WASH SUMP CROSS-SECTION



TRUCK WASH ANCHOR TRENCH DETAIL

NOT TO SCALE



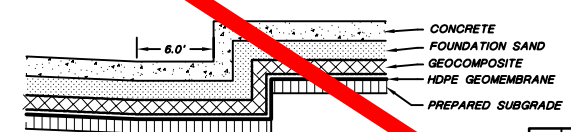
TRUCK WASH LEAK DETECTION SUMP



Drawing eliminated for 2011 permit renewal.

TRUCK WASH LINER DETAIL

NOT TO SCALE



TRUCK WASH SUMP DETAIL

NOT TO SCALE



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NJ P.E. 12236

Not For Construction

4	October 2000 Revision	10/14/00	J.Peltier	K.Covarr	P.Corsar
3	NOVEMBER 1999 UPDATES	11/02/99	J.Trancosta	M.Melillo	P.Corsar
2	SEPTEMBER 1998 REVISION	9/7/98	P.Corsar	T.Clark	P.Corsar
1	NOVEMBER 1998 REVISION	10/30/98	J.Peltier	T.Smith	P.Corsar
0	PART B PERMIT APPLICATION	02/20/97	PGC/PP	K.Covarr	P.Corsar
REVISIONS		DATE	DESIGN BY	DRAWN BY	REVIEWED AND

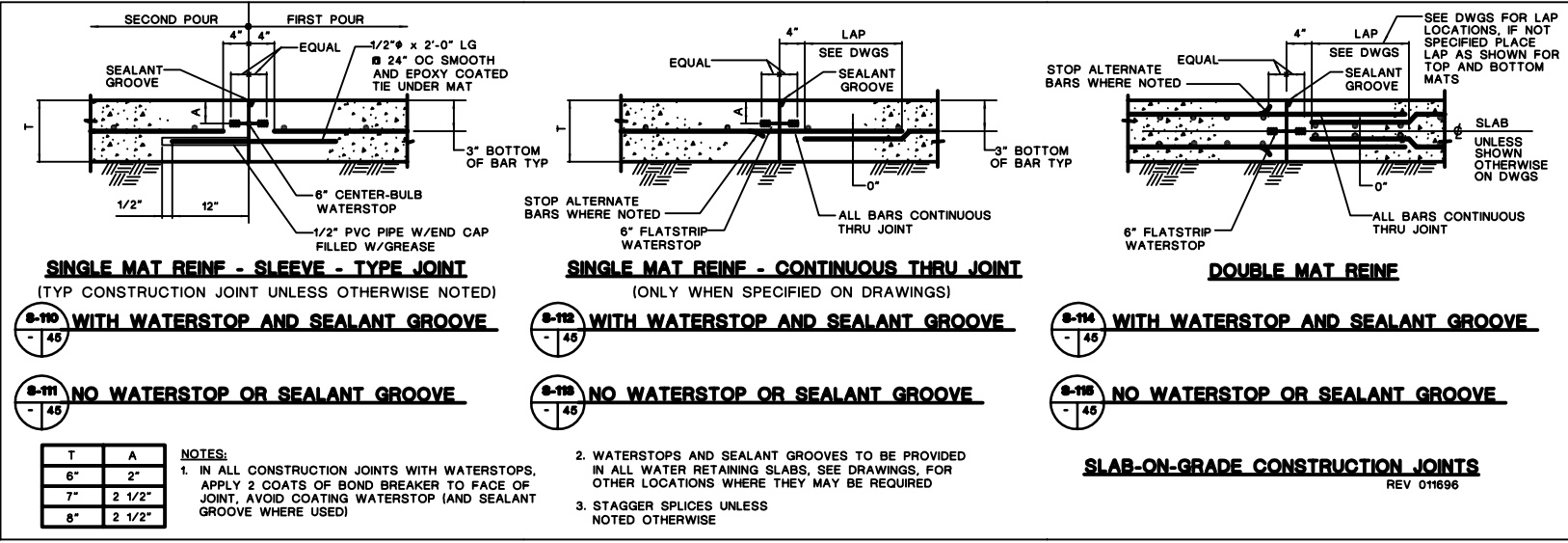
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE: **TRUCK WASH LAYOUT AND DETAILS**

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 1 of 2
 SCALE: Not to Scale

PROJECT NUMBER: 502-0200



SINGLE MAT REIN - SLEEVE - TYPE JOINT
(TYP CONSTRUCTION JOINT UNLESS OTHERWISE NOTED)

- S-110 WITH WATERSTOP AND SEALANT GROOVE**
- S-111 NO WATERSTOP OR SEALANT GROOVE**

SINGLE MAT REIN - CONTINUOUS THRU JOINT
(ONLY WHEN SPECIFIED ON DRAWINGS)

- S-112 WITH WATERSTOP AND SEALANT GROOVE**
- S-113 NO WATERSTOP OR SEALANT GROOVE**

DOUBLE MAT REIN

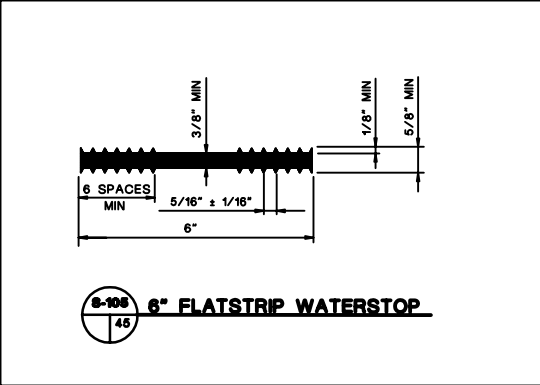
- S-114 WITH WATERSTOP AND SEALANT GROOVE**
- S-115 NO WATERSTOP OR SEALANT GROOVE**

T	A
6"	2"
7"	2 1/2"
8"	2 1/2"

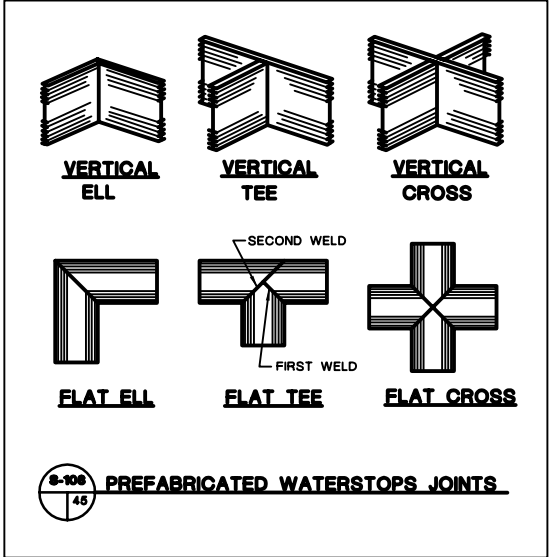
NOTES:
1. IN ALL CONSTRUCTION JOINTS WITH WATERSTOPS, APPLY 2 COATS OF BOND BREAKER TO FACE OF JOINT, AVOID COATING WATERSTOP (AND SEALANT GROOVE WHERE USED)

2. WATERSTOPS AND SEALANT GROOVES TO BE PROVIDED IN ALL WATER RETAINING SLABS, SEE DRAWINGS, FOR OTHER LOCATIONS WHERE THEY MAY BE REQUIRED
3. STAGGER SPLICES UNLESS NOTED OTHERWISE

SLAB-ON-GRADE CONSTRUCTION JOINTS
REV 011696



S-108 6\"/>



S-109 PREFABRICATED WATERSTOPS JOINTS



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12290

DETAIL/SECTION NUMBER
A
6

DRAWING No. WHERE DETAIL/SECTION IS REFERENCED
DRAWING No. WHERE DETAIL/SECTION IS SHOWN

Not For Construction

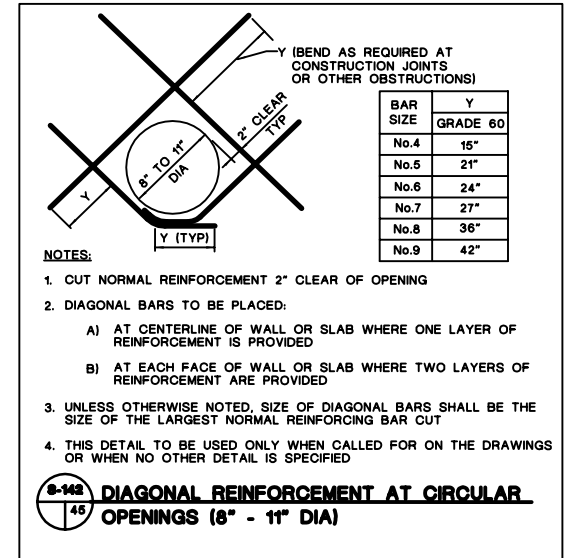
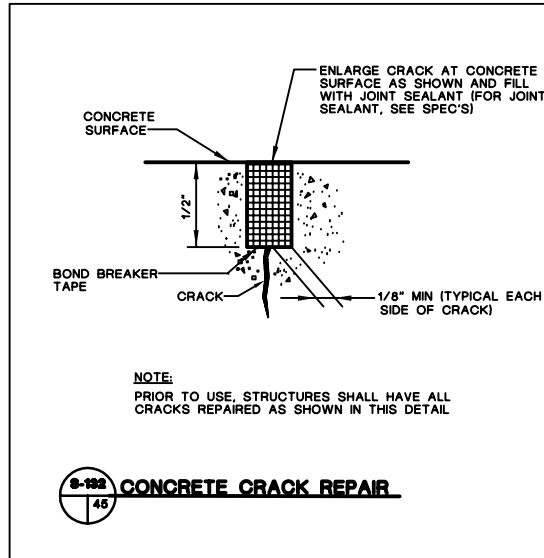
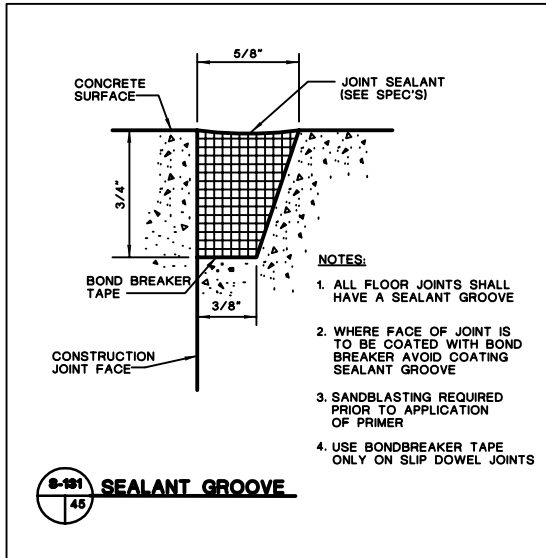
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	October 2005 Revisions	10/14/05	J.Palmer	K.Coverly	J.Corser
2	PART B PERMIT APPLICATION	02/10/07	PSC/APP	JBEVER	P.CORSER

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
CONCRETE AND GRATING DETAILS

	Terramatrix	Sheet <u>1</u> Of <u>5</u> Sheets
	MONTBOMERY WATSON	SCALE: DRAWING No. 45
	Mining Group	AS NOTED

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".



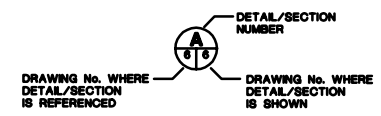
PROJECT NUMBER: 822-2329

NOTE: FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236



Not For Construction

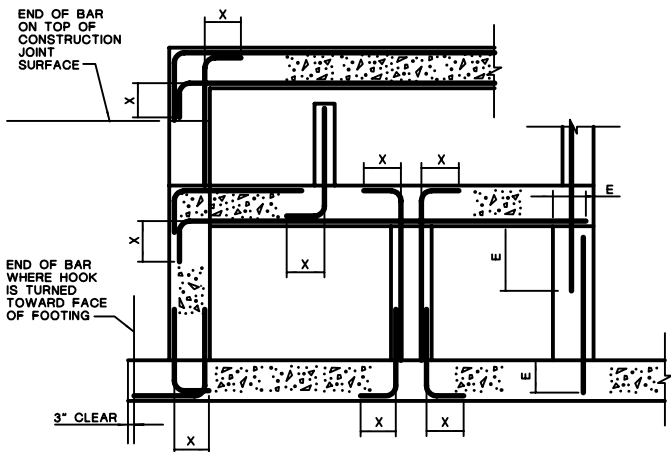
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND DESIGNED BY
1	October 2006 Revision	10/11/06	J.Palmer	K.Corsari	P.Corsar
0	PART B PERMIT APPLICATION	02/20/07	PAG/APF	JBEVER	P.CORSER

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
CONCRETE AND GRATING DETAILS

TerraMatrix
 MONTGOMERY WATSON
 Mining Group

Sheet 2 Of 5 Sheets
 SCALE: AS NOTED
 DRAWING No. **45**



SECTION

LENGTH (INCHES)			
BAR SIZE	HOOK X	LAP	EMBEDMENT E
No.3	6"	18"	12"
No.4	8"	18"	14"
No.5	10"	23"	18"
No.6	12"	28"	22"
No.7	14"	33"	25"
No.8	16"	SEE TABLE BELOW	SEE TABLE BELOW
No.9	19"	SEE TABLE BELOW	SEE TABLE BELOW
No.10	22"	SEE TABLE BELOW	SEE TABLE BELOW
No.11	24"	SEE TABLE BELOW	SEE TABLE BELOW

REBAR SIZE	LENGTH (INCHES)					
	FOR 1" TO < 2" CONCRETE COVER		FOR 2" TO < 3" CONCRETE COVER		FOR 3" AND LARGER CONCRETE COVER	
	REBAR SPACING (CENTER TO CENTER) < 8"	REBAR SPACING (CENTER TO CENTER) ≥ 8"	REBAR SPACING (CENTER TO CENTER) < 8"	REBAR SPACING (CENTER TO CENTER) ≥ 8"	REBAR SPACING (CENTER TO CENTER) < 8"	REBAR SPACING (CENTER TO CENTER) ≥ 8"
LAP						
No.8	62"	62"	37"	37"	37"	37"
No.9	99"	79"	69"	55"	49"	42"
No.10	125"	100"	88"	70"	63"	50"
No.11	154"	123"	108"	86"	77"	62"
EMBEDMENT E						
No.8	48"	48"	29"	29"	29"	29"
No.9	77"	61"	54"	43"	38"	33"
No.10	97"	77"	68"	54"	49"	39"
No.11	119"	95"	84"	67"	60"	48"

NOTES:

- USE LAP LENGTHS AS DETERMINED FROM THESE TABLES UNLESS SHOWN OTHERWISE
- THE TABLES SHOWN ARE FOR f'c=4000 PSI AND fy=60,000 PSI
- MULTIPLY THE LAP & E SHOWN IN THESE TABLES BY 1.3 FOR WALL HORIZONTAL REBARS AND SLAB BARS WITH 12" OR MORE FRESH CONCRETE UNDERNEATH
- WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, LAP LENGTH SHALL BE THE LARGER OF:
EMBEDMENT LENGTH OF LARGER BAR
LAP LENGTH OF SMALLER BAR
- UNLESS NOTED OTHERWISE USE REBAR COUPLERS FOR SPLICES OF No.11 AND LARGER BARS
- ALL DOWEL BARS SHALL EXTEND AN EMBEDMENT LENGTH E INTO ANOTHER MEMBER OR ACROSS A CONSTRUCTION JOINT UNLESS SHOWN TO SPLICE WITH OTHER BARS OR TO EXTEND TO THE FAR FACE OF THE MEMBER AND END WITH A STANDARD HOOK

9-149 STANDARD 90° BAR HOOKS, EMBEDMENT LENGTHS AND LAP LENGTHS

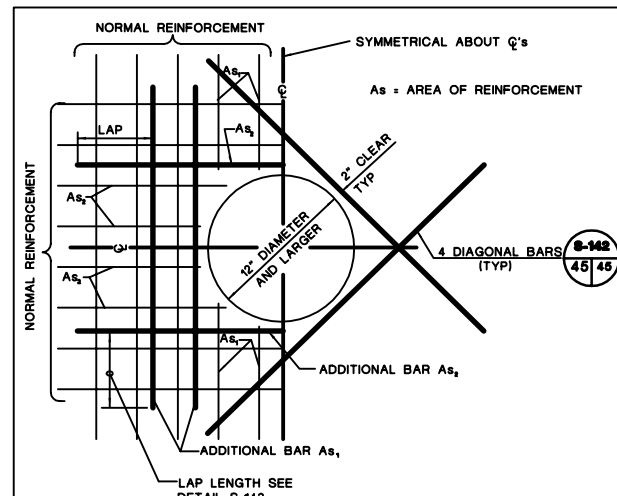
UNLESS OTHERWISE NOTED ON DRAWINGS

NOTE:
FOR GENERAL NOTES AND LEGEND INFORMATION SEE DRAWING No. 2, "INDEX, LEGEND AND GENERAL NOTES".

DRAWING No. WHERE DETAIL/SECTION IS REFERENCED



DRAWING No. WHERE DETAIL/SECTION IS SHOWN



LAP LENGTH SEE DETAIL S-143

NOTES:

- CUT NORMAL REINFORCEMENT AT OPENINGS:
As AND As₂ = 1/2 AREA OF CUT BARS TO BE ADDED ON EACH SIDE OF OPENING
- ADDITIONAL BARS As₁ AND As₂ TO BE PLACED:
A) AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED
B) AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED
- INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE OF 2 X WALL/SLAB THICKNESS FROM OPENING, PROVIDE 2" MIN CLEAR BETWEEN BARS
- THIS DETAIL TO BE USED ONLY WHEN NO OTHER DETAIL IS INDICATED ON THE DRAWINGS
- WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENING, ADDITIONAL BARS ON THAT SIDE MAY BE OMITTED

9-144 ADDITIONAL REINFORCEMENT AT CIRCULAR OPENINGS (12" DIA OR LARGER)



PROFESSIONAL ENGINEER'S STATEMENT

I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

Not For Construction

1	October 2000 Revision	10/1/00	J.Phillips	J.Cornish	J.Cornish
2	PART 3 PERMIT APPLICATION	12/12/91	PDC/JFP	J.METZ	P.CORSER
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY

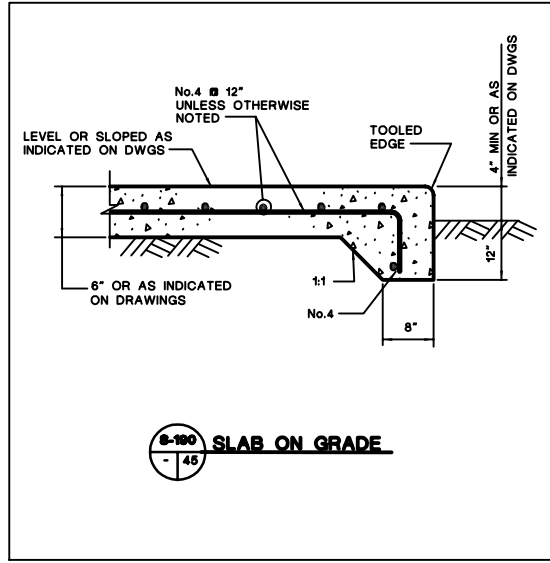
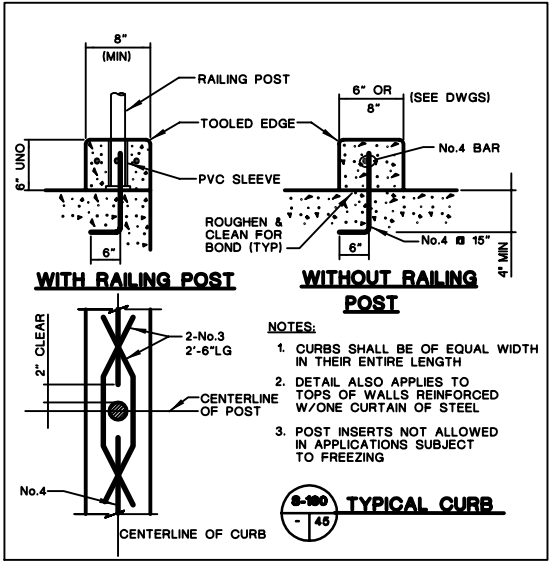
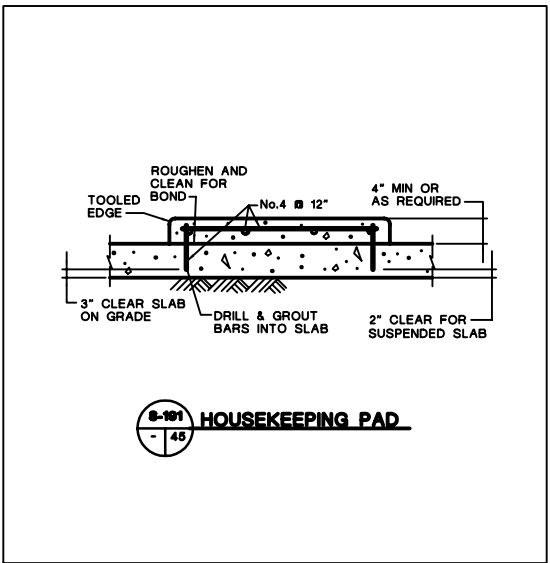
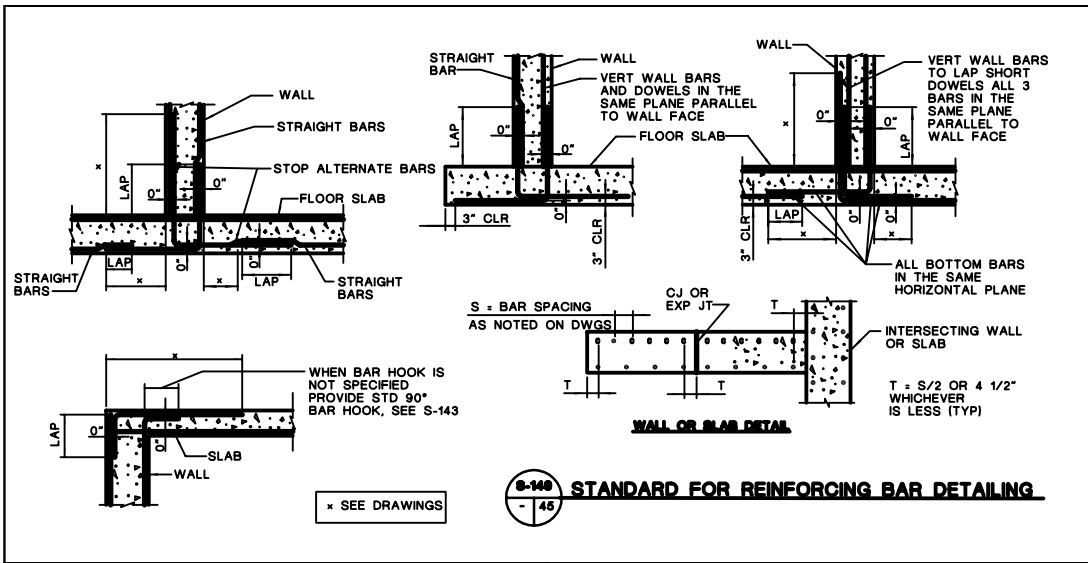
TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
CONCRETE AND GRATING DETAILS



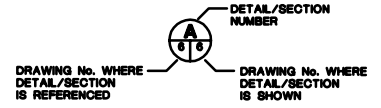
Sheet 3 Of 5 Sheets
SCALE: AS NOTED
DRAWING No. 45

PROJECT NUMBER: 802-0200
 ANHANG FILE: CONCRETE-GRATING



PROFESSIONAL ENGINEER'S STATEMENT
 I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date: Patrick G. Corser, NM P.E. 12236



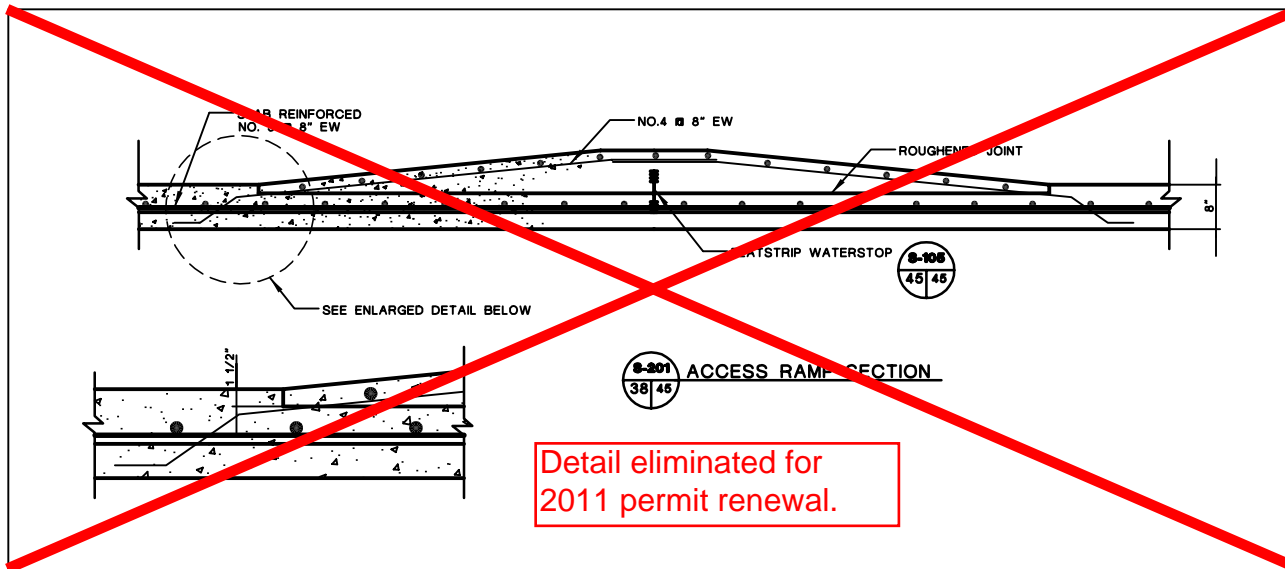
Not For Construction

REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND CHECKED BY
1	October 2000 Revision	10/11/00	J.Pattish	K.Cornish	P.Corser
2	PART B PERMIT APPLICATION	5/12/01	PGD/LRP	J.BEVER	P.DONNER

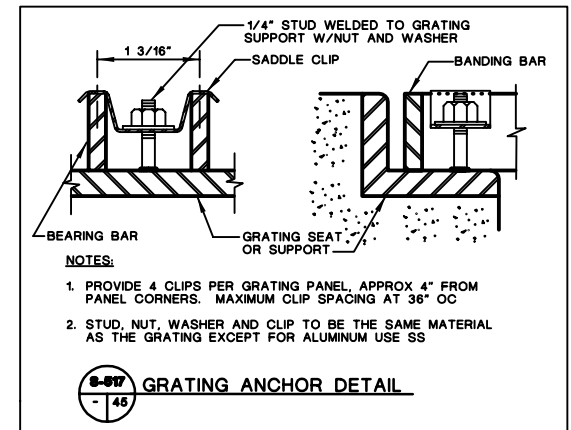
**TRIASSIC PARK
 WASTE DISPOSAL FACILITY**

DRAWING TITLE:
**CONCRETE AND GRATING
 DETAILS**

	TerraMatrix MONTGOMERY WATSON Mining Group	Sheet 4 Of 5 Sheets
		SCALE: AS NOTED
DRAWING No.		45

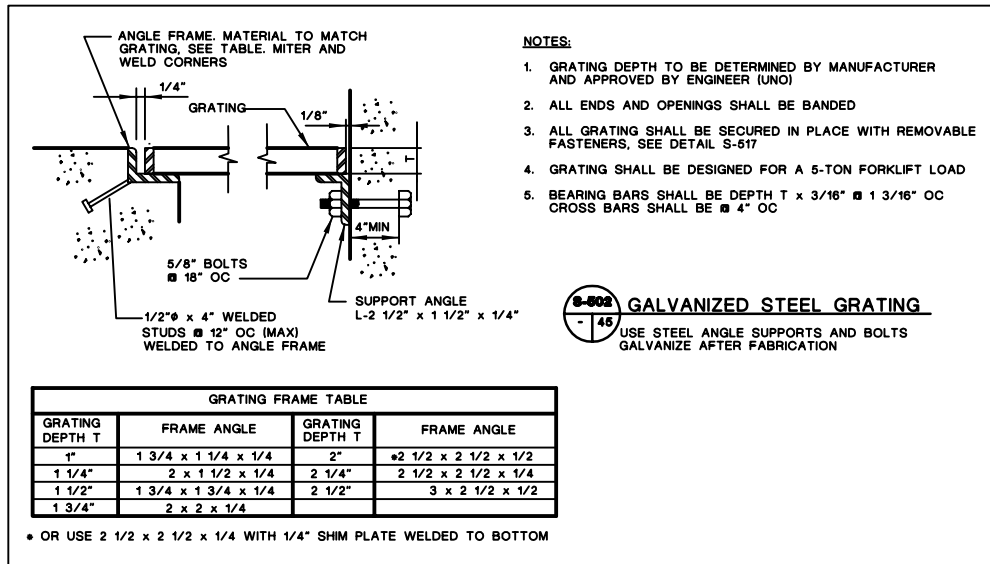


Detail eliminated for 2011 permit renewal.



- NOTES:**
1. PROVIDE 4 CLIPS PER GRATING PANEL, APPROX 4" FROM PANEL CORNERS. MAXIMUM CLIP SPACING AT 36" OC
 2. STUD, NUT, WASHER AND CLIP TO BE THE SAME MATERIAL AS THE GRATING EXCEPT FOR ALUMINUM USE SS

S-517 GRATING ANCHOR DETAIL
- 45

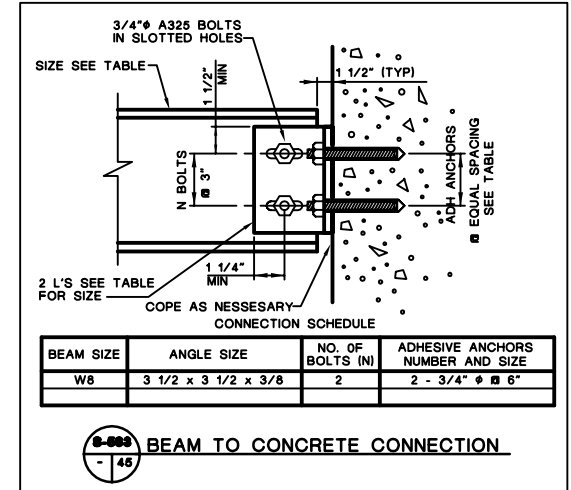


- NOTES:**
1. GRATING DEPTH TO BE DETERMINED BY MANUFACTURER AND APPROVED BY ENGINEER (UNO)
 2. ALL ENDS AND OPENINGS SHALL BE BANDED
 3. ALL GRATING SHALL BE SECURED IN PLACE WITH REMOVABLE FASTENERS, SEE DETAIL S-617
 4. GRATING SHALL BE DESIGNED FOR A 5-TON FORKLIFT LOAD
 5. BEARING BARS SHALL BE DEPTH T x 3/16" # 1 3/16" OC
CROSS BARS SHALL BE # 4" OC

S-502 GALVANIZED STEEL GRATING
- 46
USE STEEL ANGLE SUPPORTS AND BOLTS GALVANIZE AFTER FABRICATION

GRATING FRAME TABLE			
GRATING DEPTH T	FRAME ANGLE	GRATING DEPTH T	FRAME ANGLE
1"	1 3/4 x 1 1/4 x 1/4	2"	#2 1/2 x 2 1/2 x 1/2
1 1/4"	2 x 1 1/2 x 1/4	2 1/4"	2 1/2 x 2 1/2 x 1/4
1 1/2"	1 3/4 x 1 3/4 x 1/4	2 1/2"	3 x 2 1/2 x 1/2
1 3/4"	2 x 2 x 1/4		

• OR USE 2 1/2 x 2 1/2 x 1/4 WITH 1/4" SHIM PLATE WELDED TO BOTTOM



BEAM SIZE	ANGLE SIZE	NO. OF BOLTS (N)	ADHESIVE ANCHORS NUMBER AND SIZE
W8	3 1/2 x 3 1/2 x 3/8	2	2 - 3/4" # 6"

S-503 BEAM TO CONCRETE CONNECTION
- 46



PROFESSIONAL ENGINEER'S STATEMENT
I, Patrick G. Corser, state that this drawing was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

Date Patrick G. Corser, NM P.E. 12236

#	October 2006 Revision	10/4/06	J.Pattler	K.Corsish	P.Corsar
1	NOVEMBER 1999 UPDATES	11/02/99	J.Throcco	M.Mitchell	P.Corsar
2	PART B PERMIT APPLICATION	02/20/97	PBC/JPP	J.BEVER	P.CORSER
REV.	REVISIONS	DATE	DESIGN BY	DRAWN BY	CHECKED AND APPROVED

TRIASSIC PARK WASTE DISPOSAL FACILITY

DRAWING TITLE:
**CONCRETE AND GRATING
DETAILS**

TerraMatrix MONTGOMERY WATSON Mining Group	Sheet <u> 5 </u> Of <u> 5 </u> Sheets
	SCALE: DRAWING No. 45 AS NOTED

Not For Construction

NOTE:
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