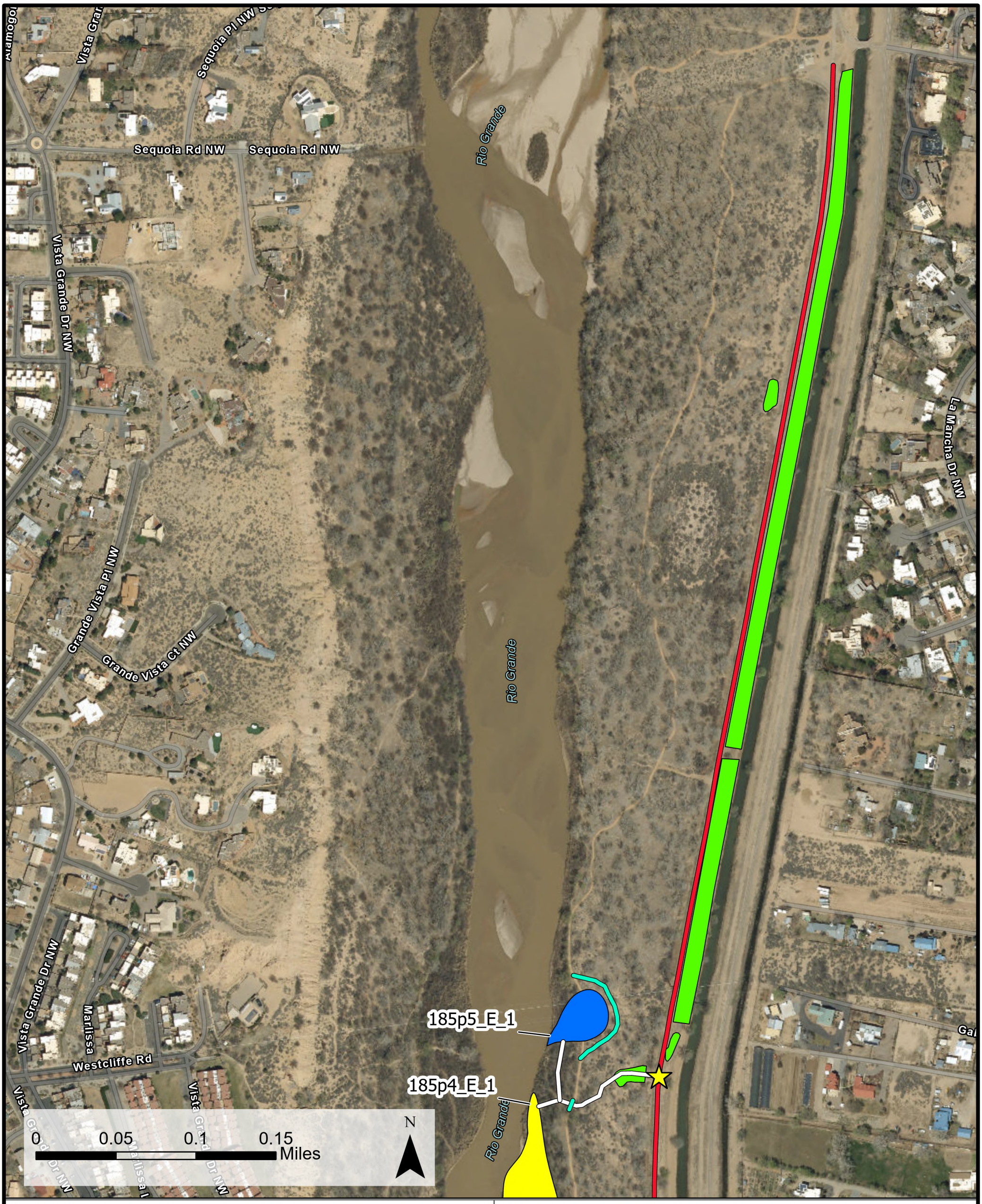


Legend

- HR Sites
- Crusher Fine Trail Rebuild
- Spoil Area
- New Ramp Location

HR Features

- Backwater
- Bankline Modification

Access Road Type

- Existing Road- No Modification
- Proposed New Road

Title
Site Locations, Access Roads, and Spoil Areas upstream of River Mile 185

Project Name
NMISC ABQ Habitat Restoration

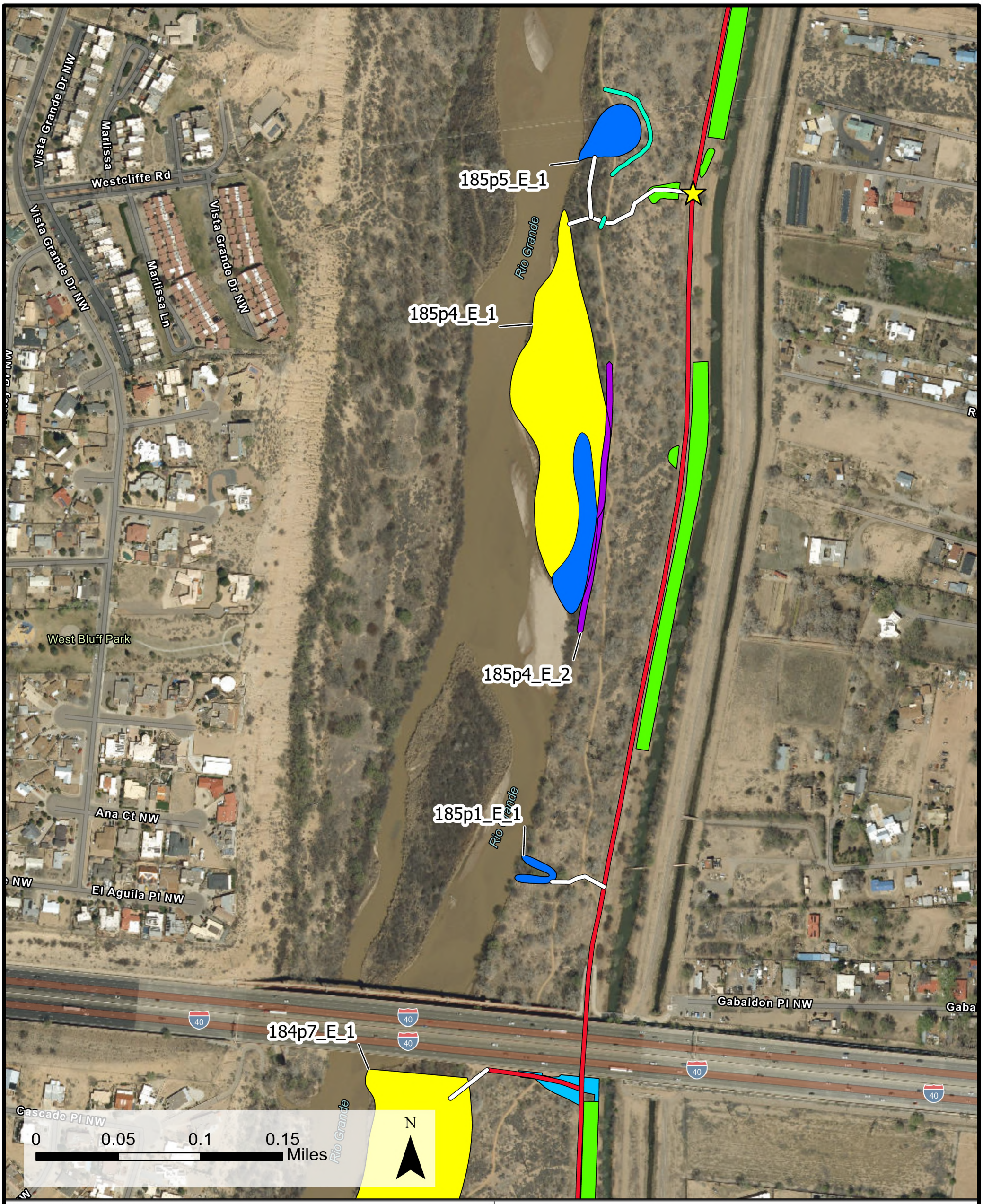
Client Name
New Mexico Interstate Stream Commission

Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
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Legend

- HR Sites
- Crusher Fine Trail Rebuild
- Spoil Area
- Staging Area
- New Ramp Location

Access Road Type

- Existing Road- No Modification
- Proposed New Road

HR Features

- Backwater
- Bankline Modification
- Jetty Jack Removal

Title
Site Locations, Access Roads, Spoil Areas, and Crusher Fine Trail Rebuild near River Mile 185

Project Name
NMISC ABQ Habitat Restoration

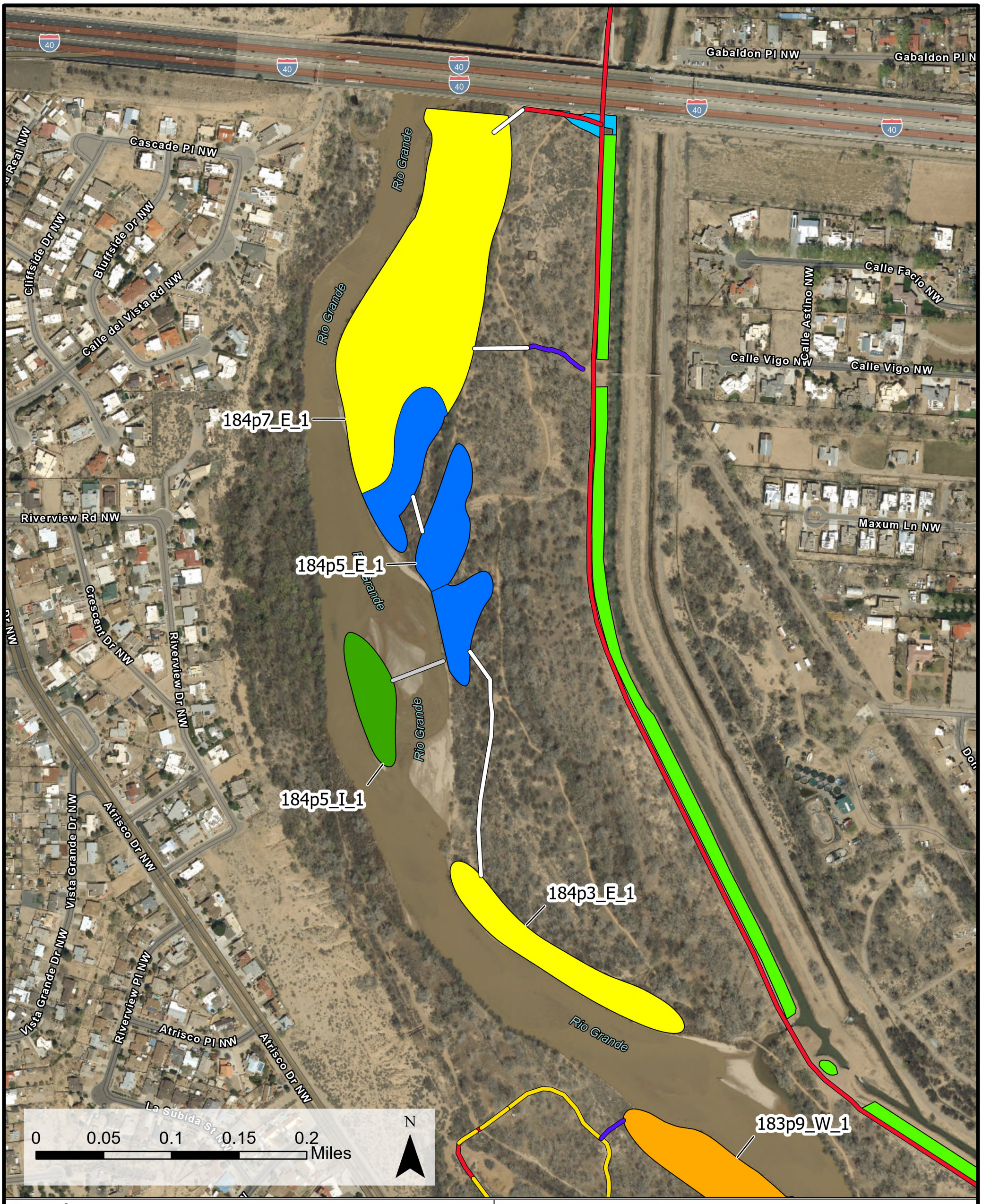
Client Name
New Mexico Interstate Stream Commission

Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

- HR Sites
- Spoil Area
- Staging Area

Access Road Type

- Existing Road- No Modification
- Existing Road- Veg Removal
- Existing Trail- Veg Removal
- Low-Flow Temporary Access
- Proposed New Road

HR Features

- Backwater
- Bankline Modification
- Island Destabilization
- Vegetation Removal

Title
Site Locations, Access Roads, and Spoil Areas near River Mile 184

Project Name
NMISC ABQ Habitat Restoration

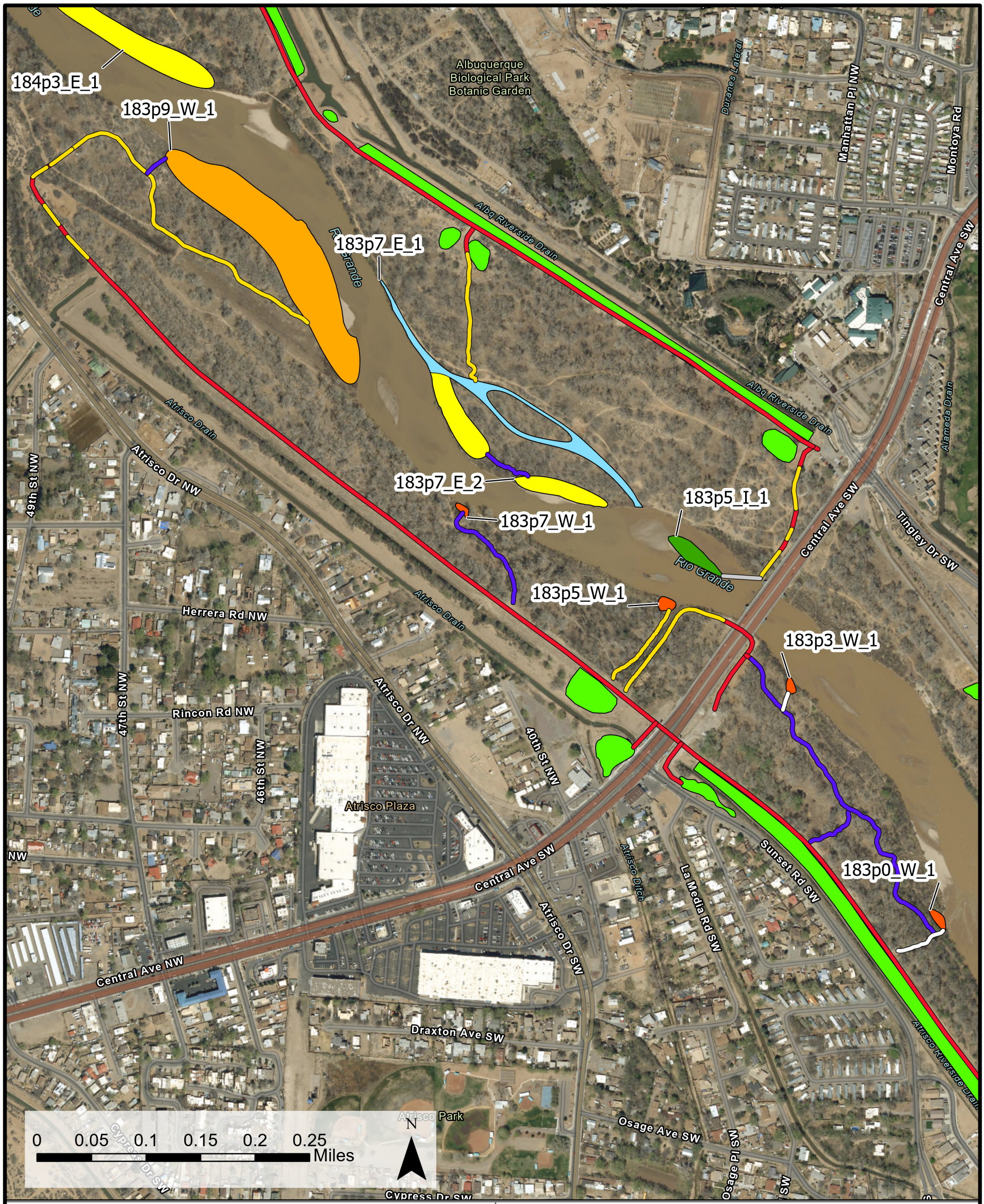
Client Name
New Mexico Interstate Stream Commission

Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

- HR Sites
- Spoil Area

Access Road Type

- Existing Road- No Modification
- Existing Road- Veg Removal
- Existing Trail- Veg Removal
- Low-Flow Temporary Access
- Proposed New Road

HR Features

- Bankline Modification
- Flowthrough Channel
- Island Destabilization
- Mouth Cleanout
- Vegetation Removal

Title

Site Locations, Access Roads, and Spoil Areas near River Mile 183

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

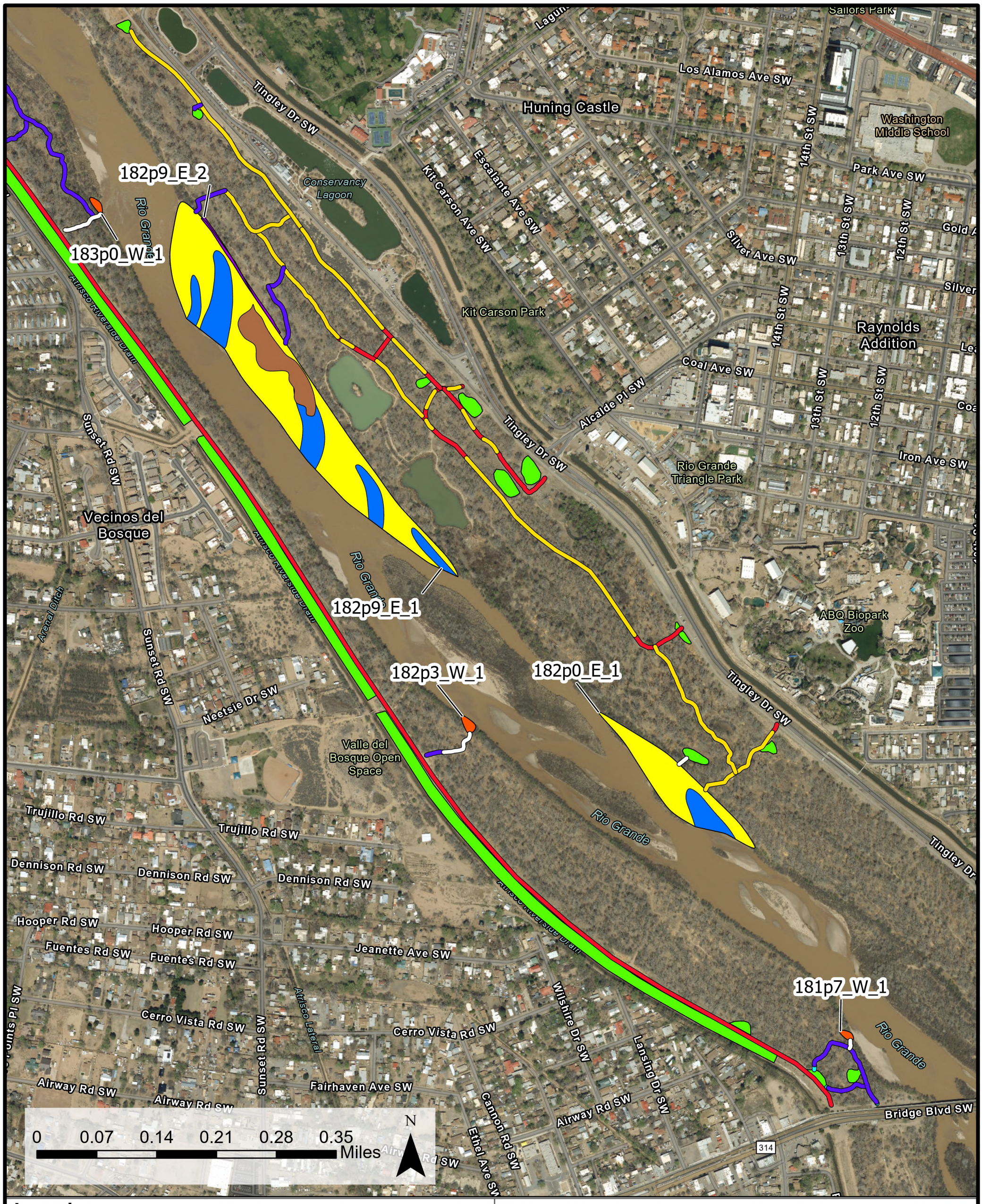
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

- HR Sites
- Spoil Area

Access Road Type

- Existing Road- No Modification
- Existing Road- Veg Removal
- Existing Trail- No Modification
- Existing Trail- Veg Removal
- Proposed New Road

HR Features

- Backwater
- Bankline Modification
- Jetty Jack Removal
- Mouth Cleanout
- Cottonwood Preservation

Title

Site Locations, Access Roads, Spoil Areas, and Cottonwood Preservation near River Mile 182

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

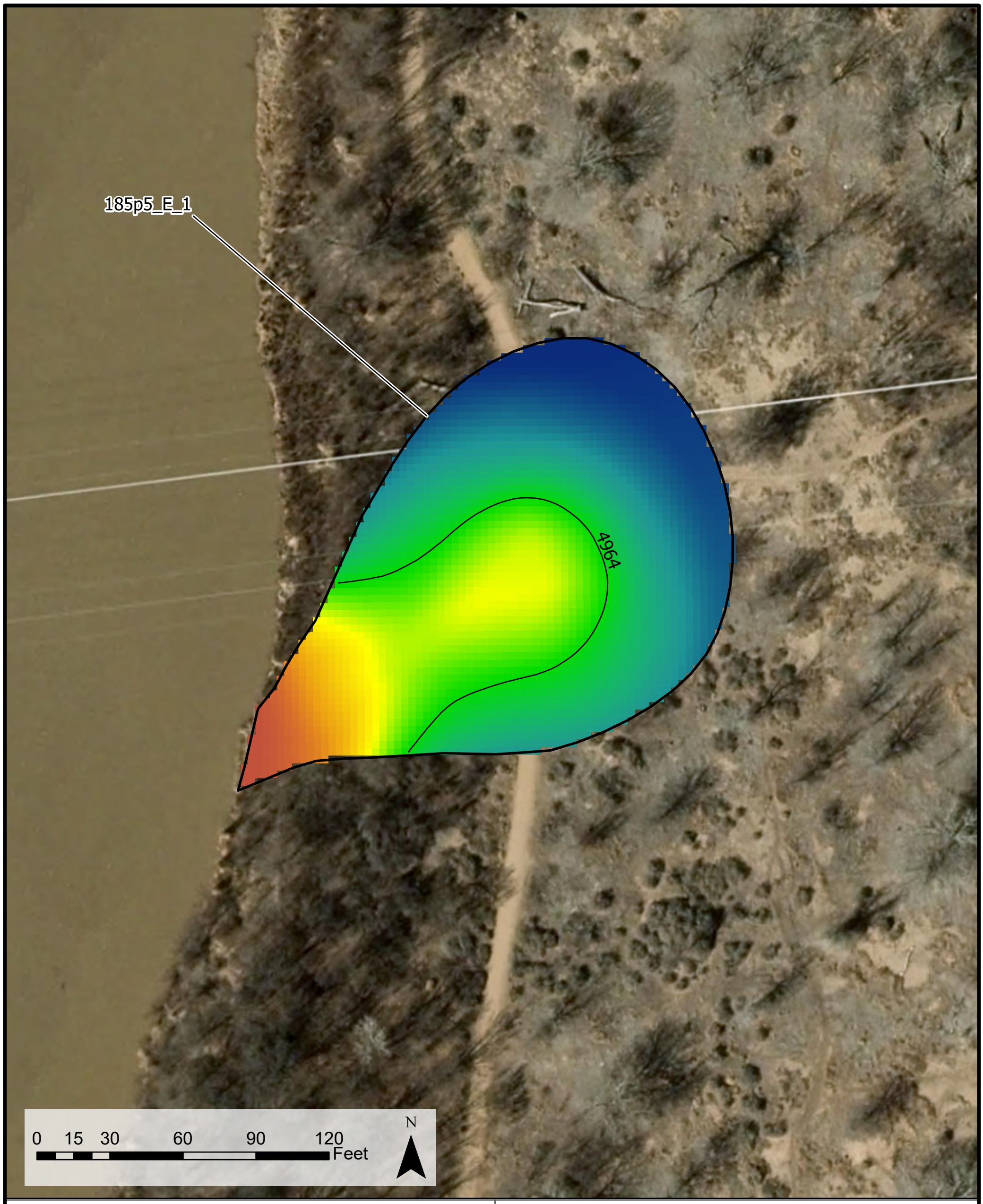
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc. *Innovative Solutions*



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4964.25

4963.6

Title

Site 185p5_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

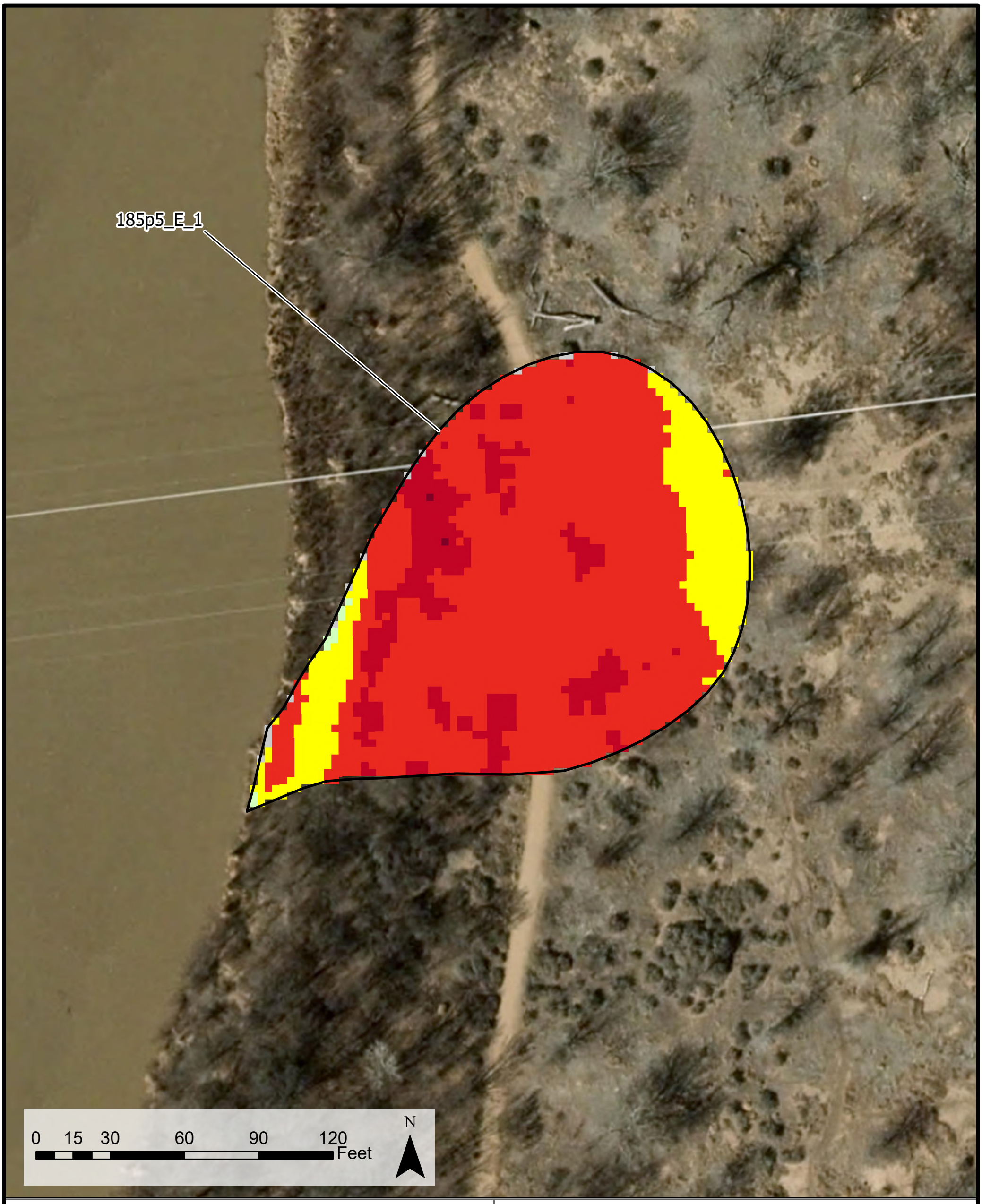
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-3.7

Title
Site 185p5_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

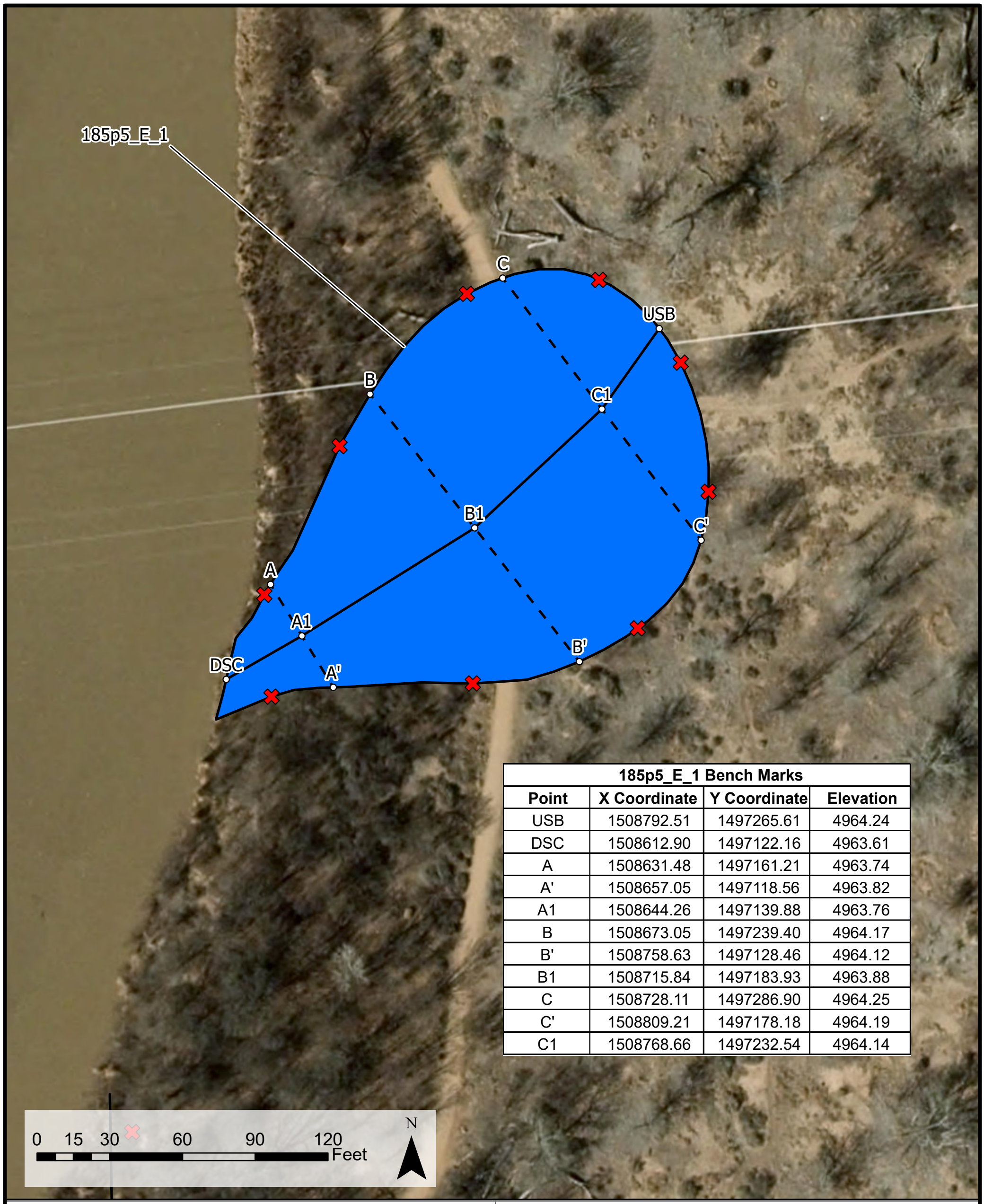
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
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185p5_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1508792.51	1497265.61	4964.24
DSC	1508612.90	1497122.16	4963.61
A	1508631.48	1497161.21	4963.74
A'	1508657.05	1497118.56	4963.82
A1	1508644.26	1497139.88	4963.76
B	1508673.05	1497239.40	4964.17
B'	1508758.63	1497128.46	4964.12
B1	1508715.84	1497183.93	4963.88
C	1508728.11	1497286.90	4964.25
C'	1508809.21	1497178.18	4964.19
C1	1508768.66	1497232.54	4964.14

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater

Title

Site 185p5_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

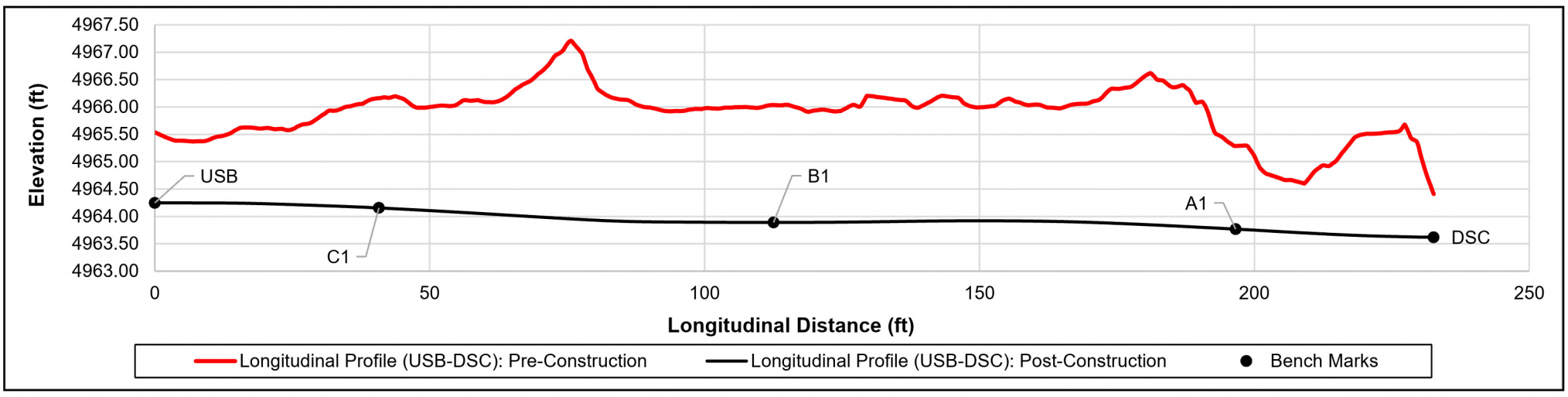
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

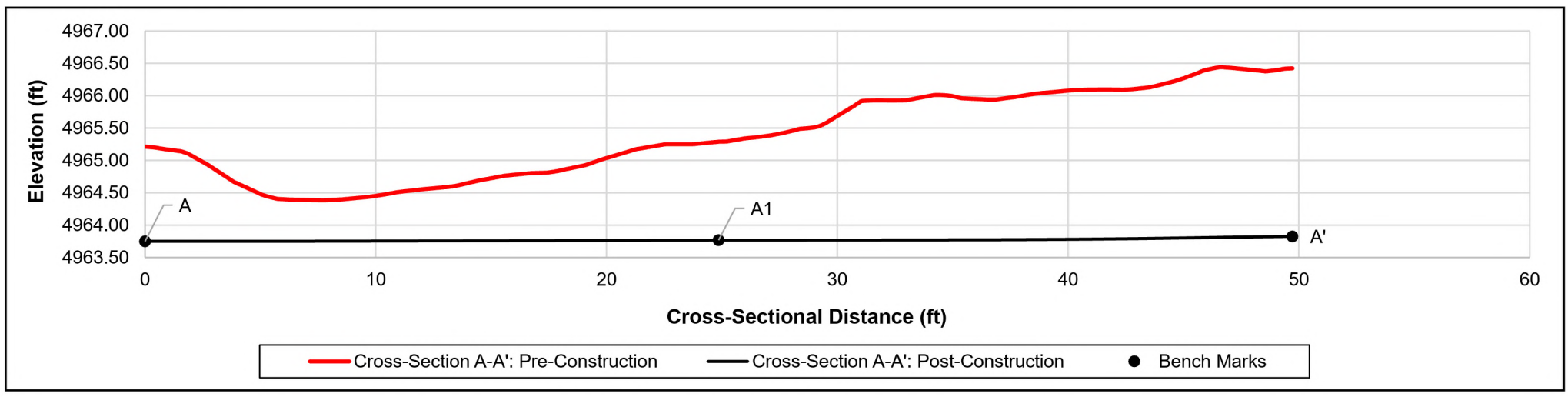
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

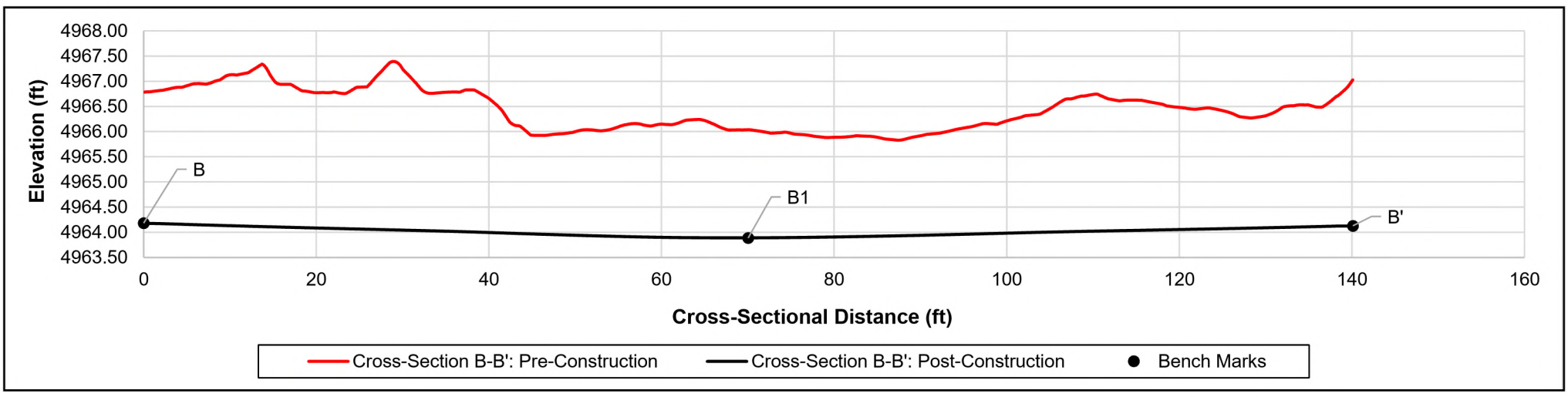
Longitudinal Profile (USB-DSC)



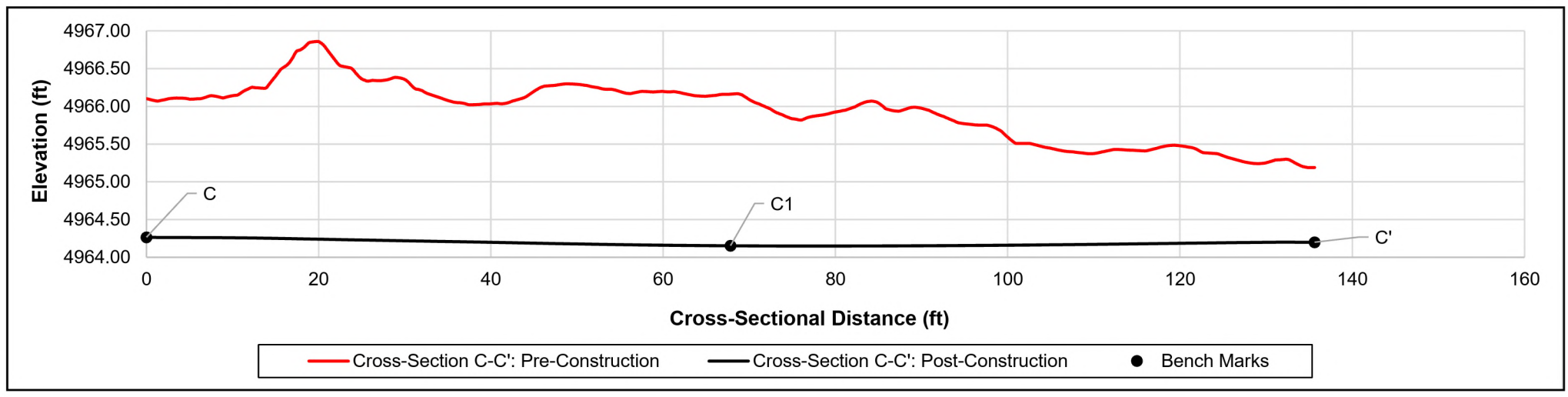
Cross-Section A-A'



Cross-Section B-B'



Cross-Section C-C'

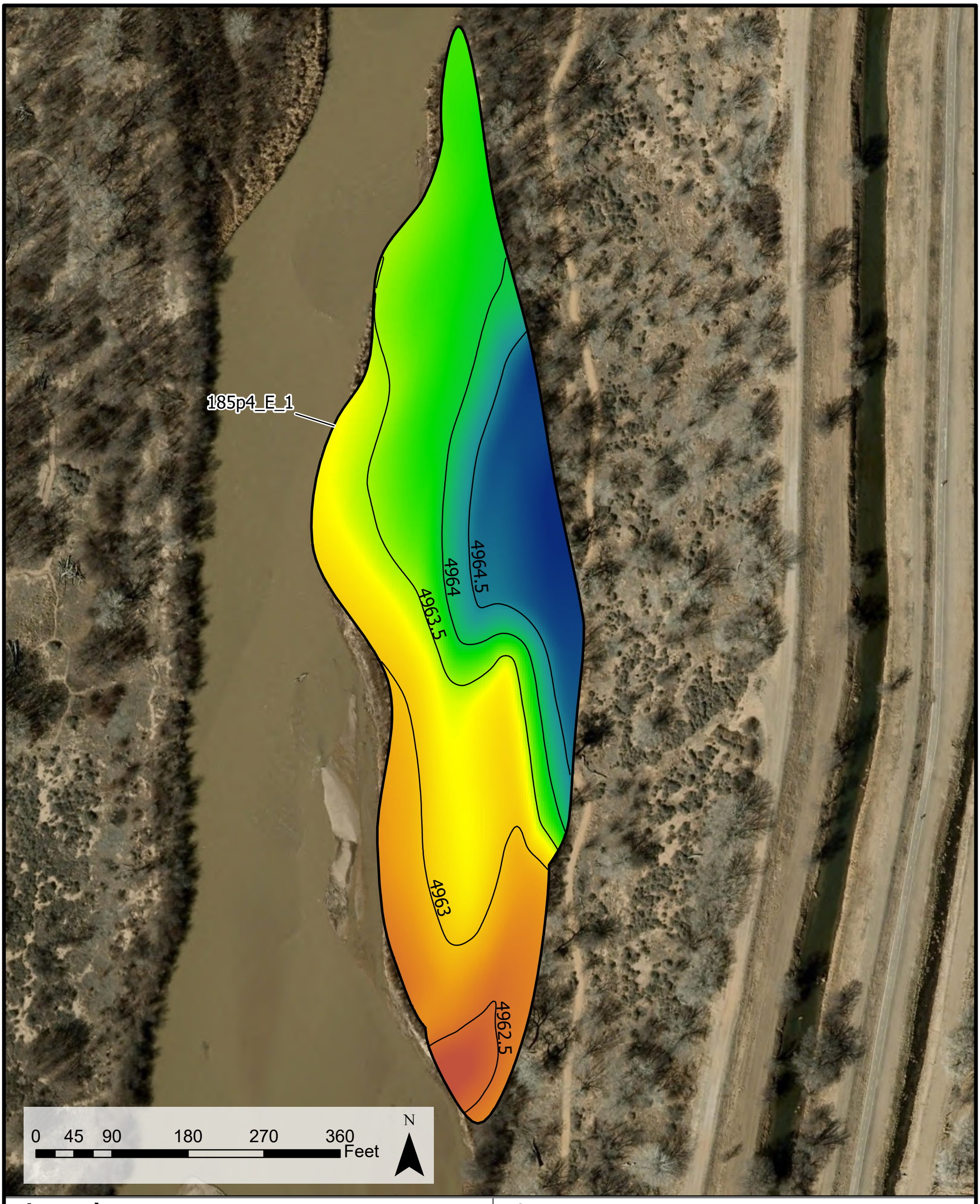


Notes:

USB = Upstream Boundary, DSC = Downstream Channel Connection Point, Letters A through C represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4964.98

4962.16

Title

Site 185p4_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

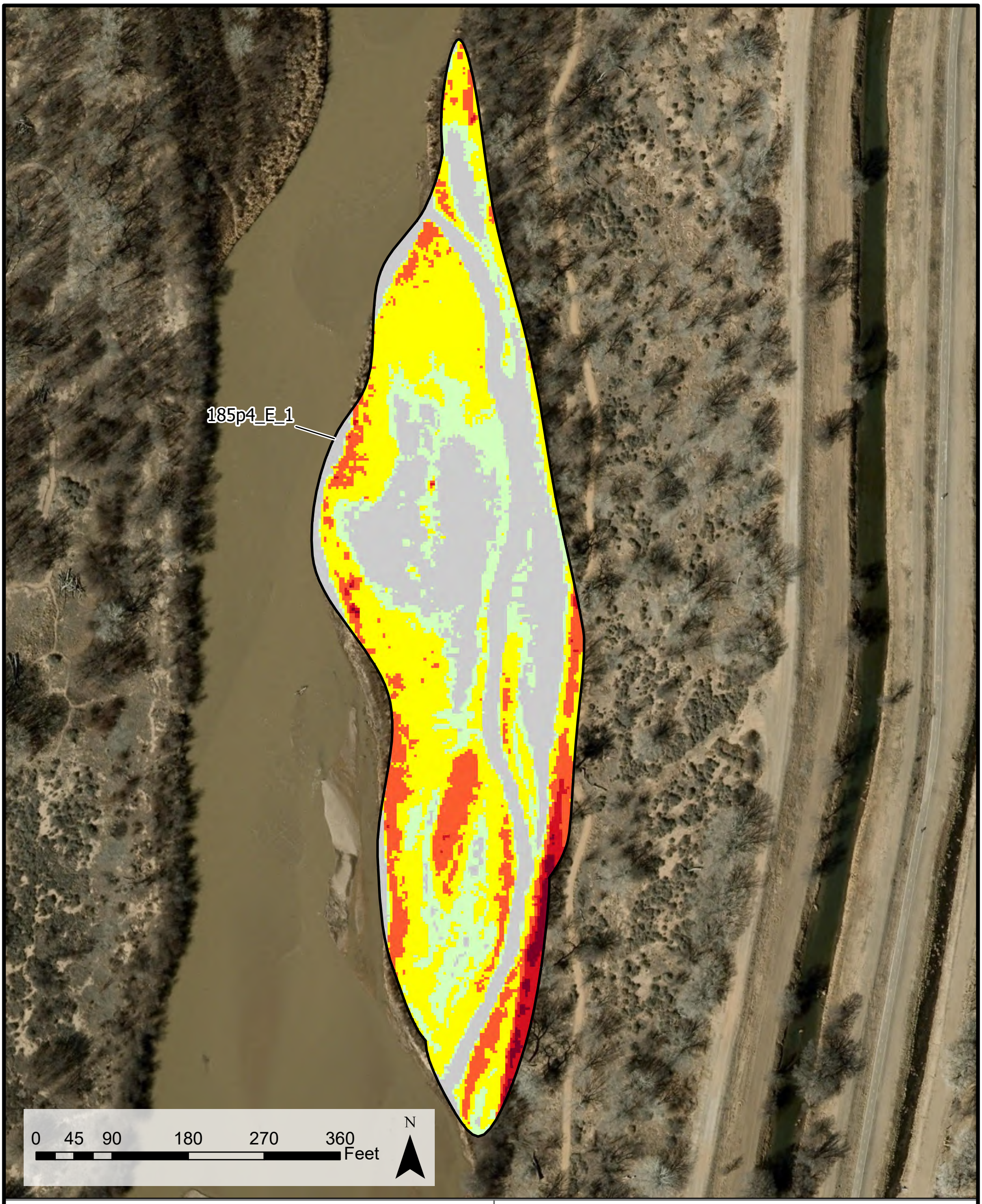
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0 - 0.5
- 0.5 - 1.5
- 1.5 - 2.5
- 2.5 - 3.5
- 3.5 - 4.5

Title
Site 185p4_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

Spatial Reference

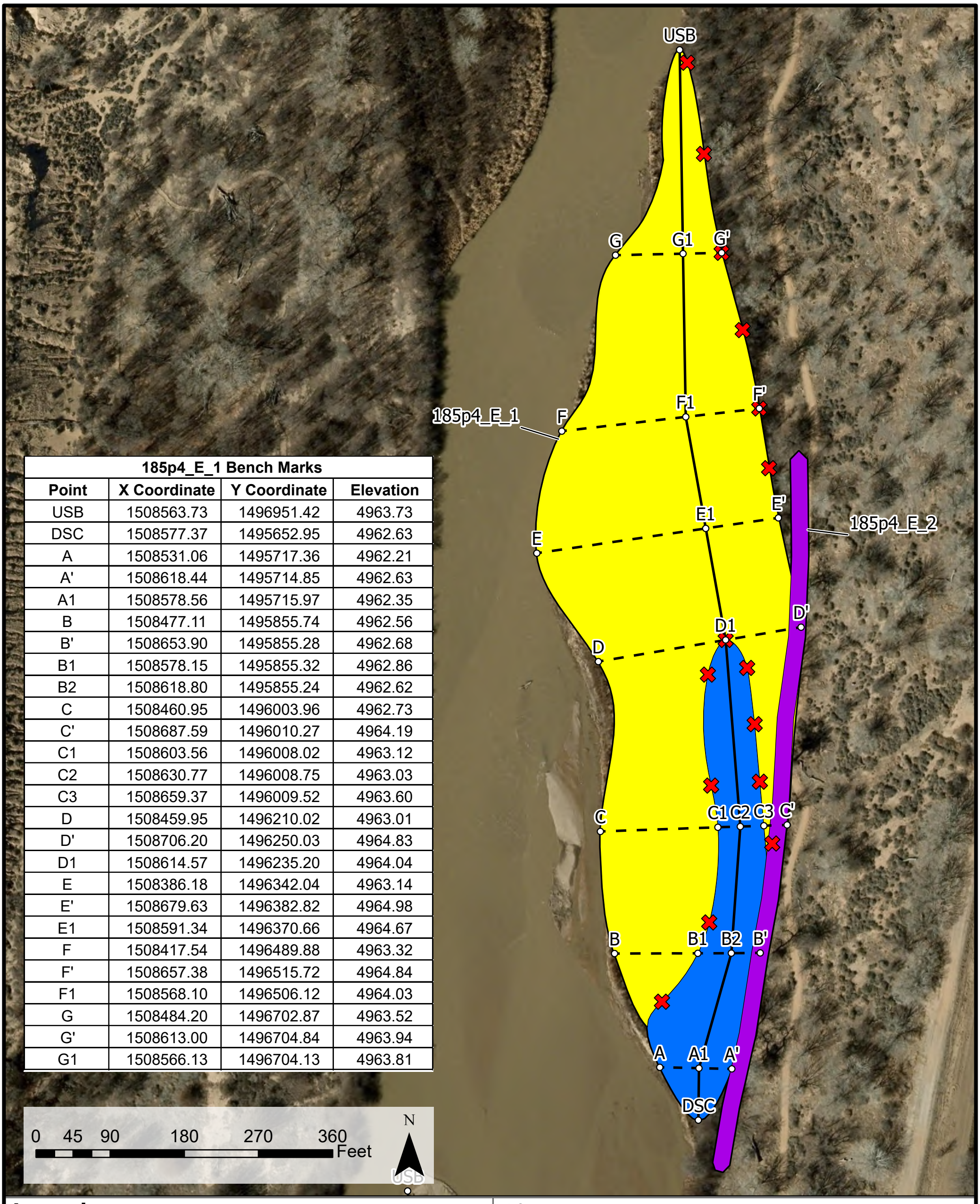
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

185p4_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1508563.73	1496951.42	4963.73
DSC	1508577.37	1495652.95	4962.63
A	1508531.06	1495717.36	4962.21
A'	1508618.44	1495714.85	4962.63
A1	1508578.56	1495715.97	4962.35
B	1508477.11	1495855.74	4962.56
B'	1508653.90	1495855.28	4962.68
B1	1508578.15	1495855.32	4962.86
B2	1508618.80	1495855.24	4962.62
C	1508460.95	1496003.96	4962.73
C'	1508687.59	1496010.27	4964.19
C1	1508603.56	1496008.02	4963.12
C2	1508630.77	1496008.75	4963.03
C3	1508659.37	1496009.52	4963.60
D	1508459.95	1496210.02	4963.01
D'	1508706.20	1496250.03	4964.83
D1	1508614.57	1496235.20	4964.04
E	1508386.18	1496342.04	4963.14
E'	1508679.63	1496382.82	4964.98
E1	1508591.34	1496370.66	4964.67
F	1508417.54	1496489.88	4963.32
F'	1508657.38	1496515.72	4964.84
F1	1508568.10	1496506.12	4964.03
G	1508484.20	1496702.87	4963.52
G'	1508613.00	1496704.84	4963.94
G1	1508566.13	1496704.13	4963.81



Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater
- Bankline Modification
- Jetty Jack Removal

Title

Site 185p4_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

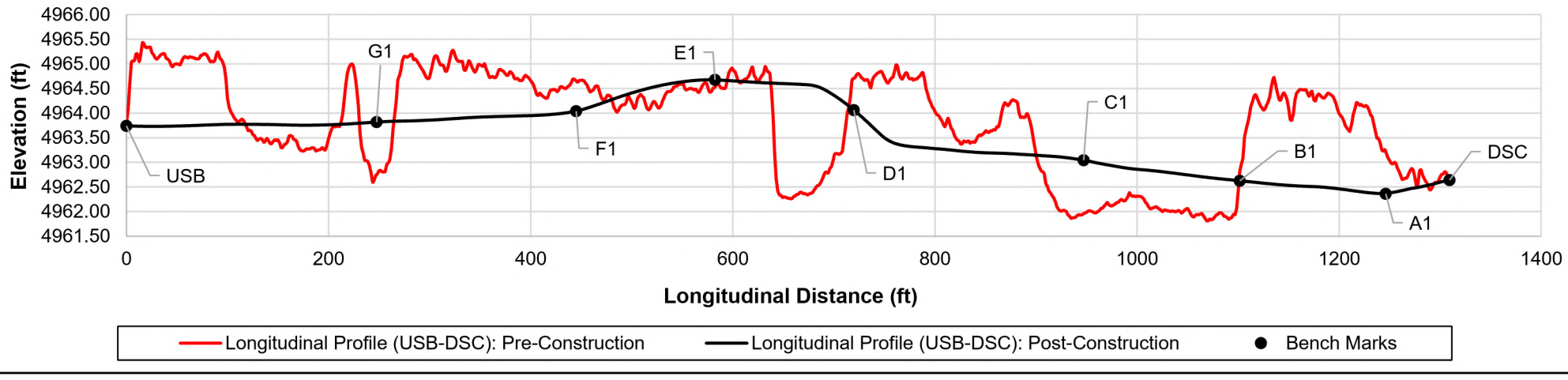
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

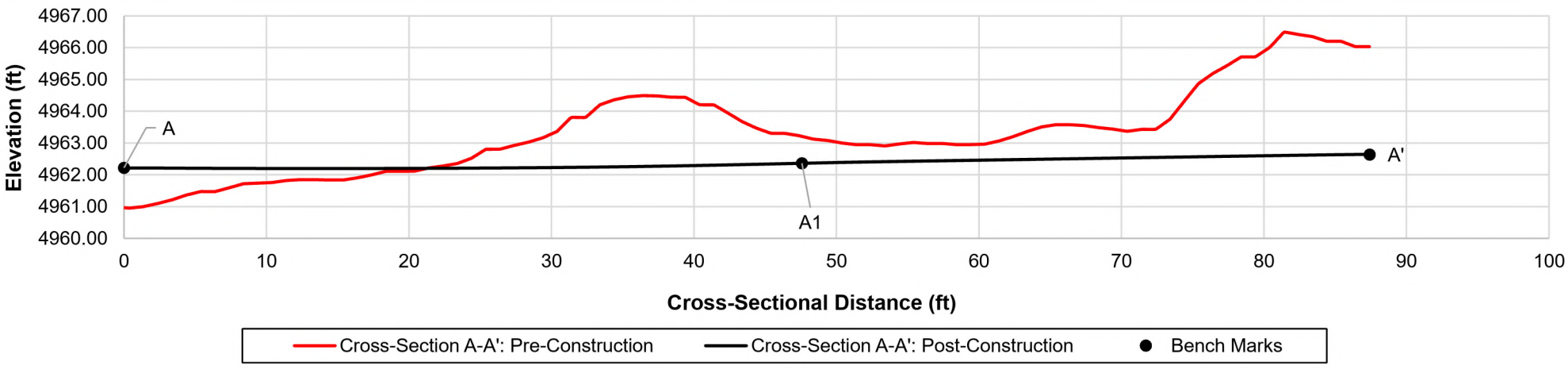
Revision: 0

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Innovative Solutions

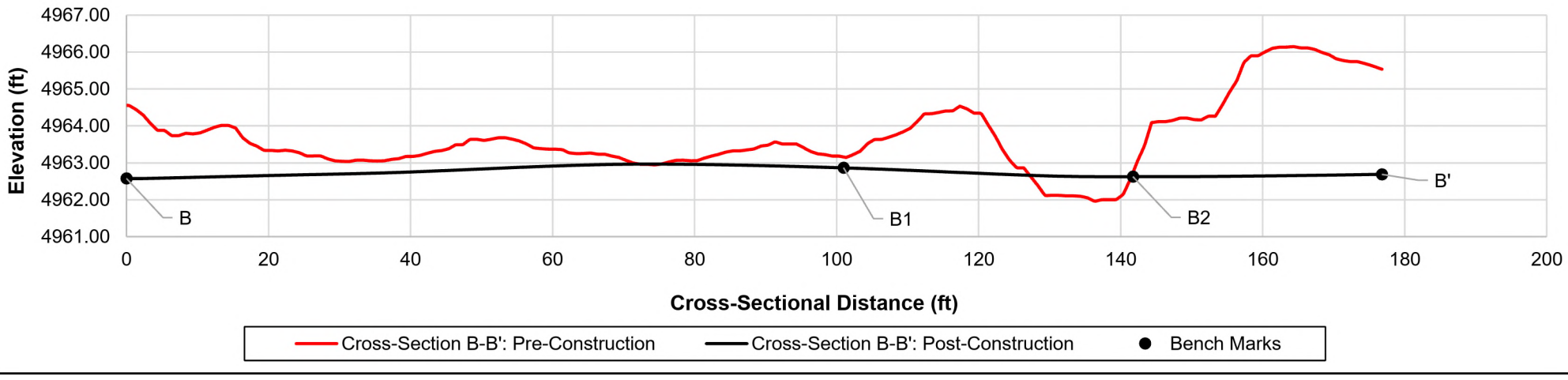
Longitudinal Profile (USB-DSC)



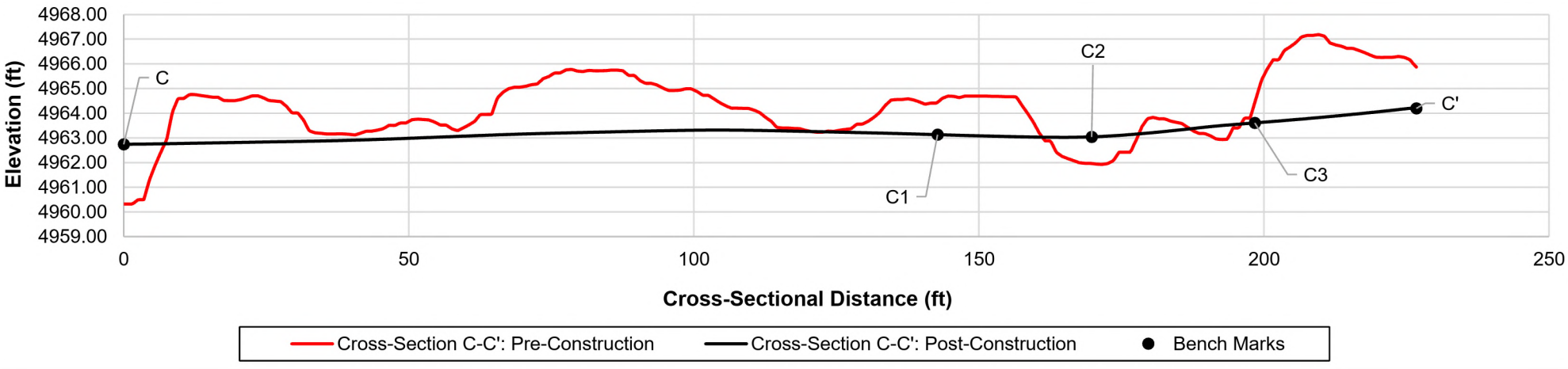
Cross-Section A-A'



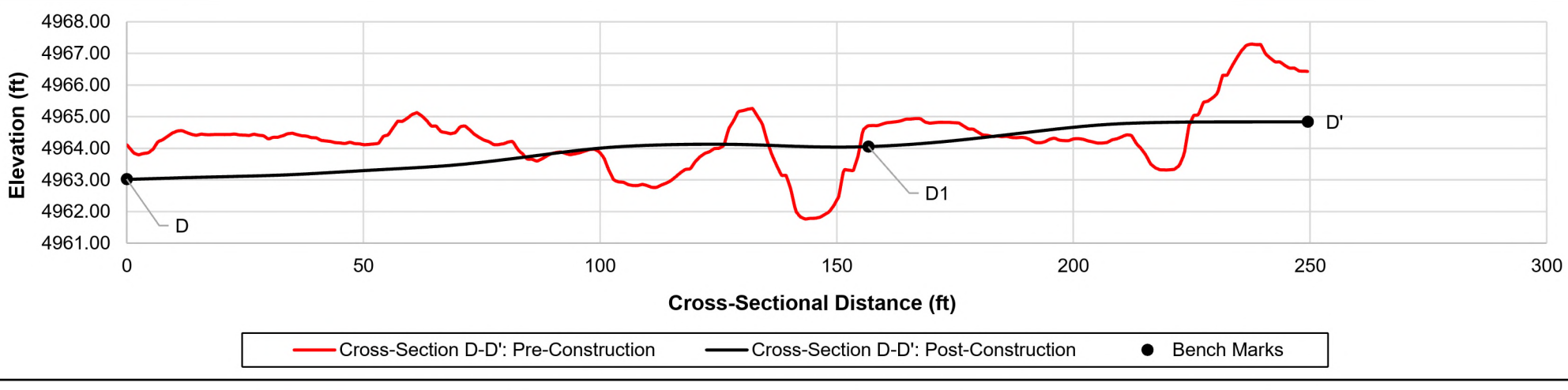
Cross-Section B-B'



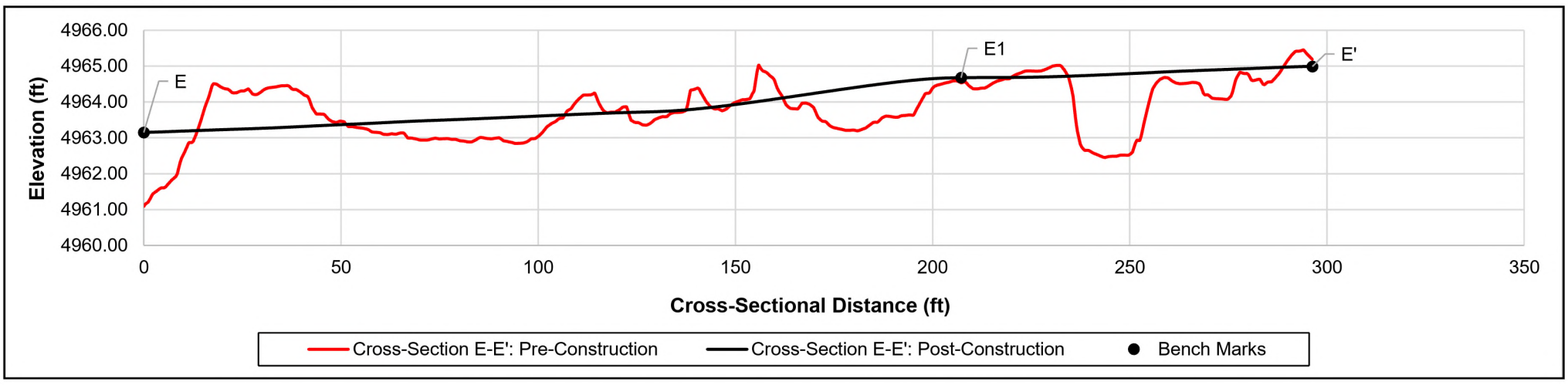
Cross-Section C-C'



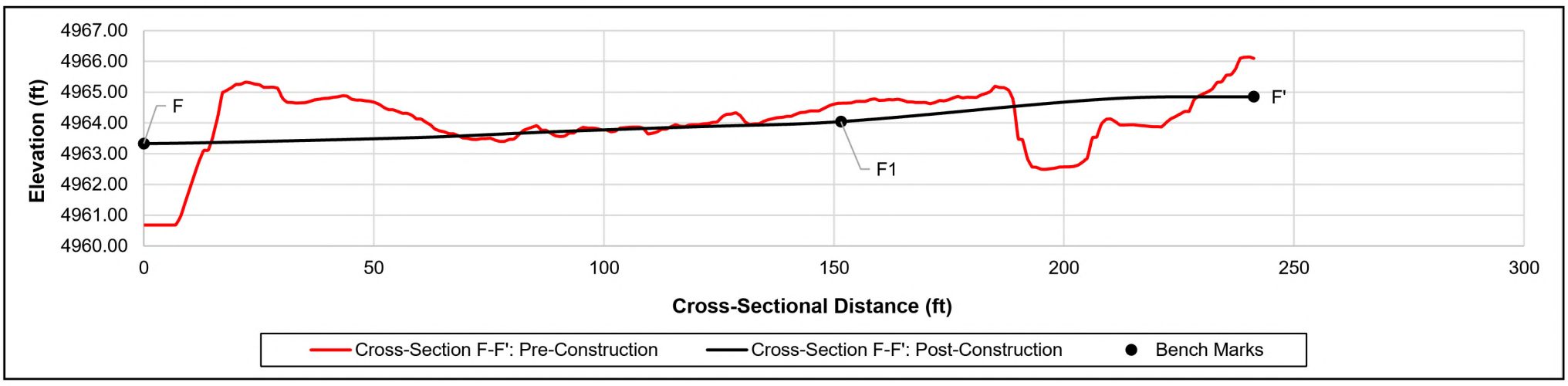
Cross-Section D-D'



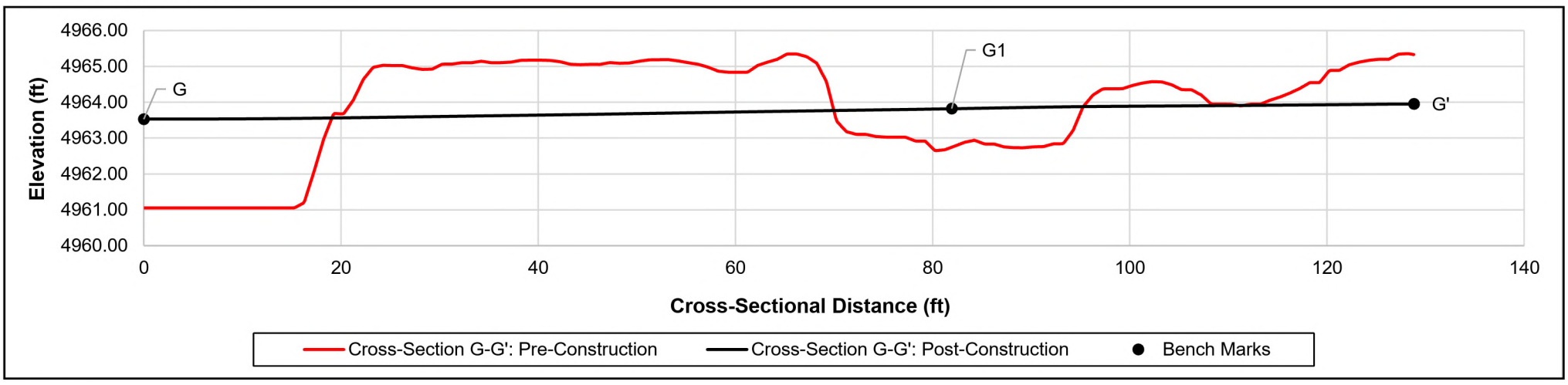
Cross-Section E-E'



Cross-Section F-F'



Cross-Section G-G'

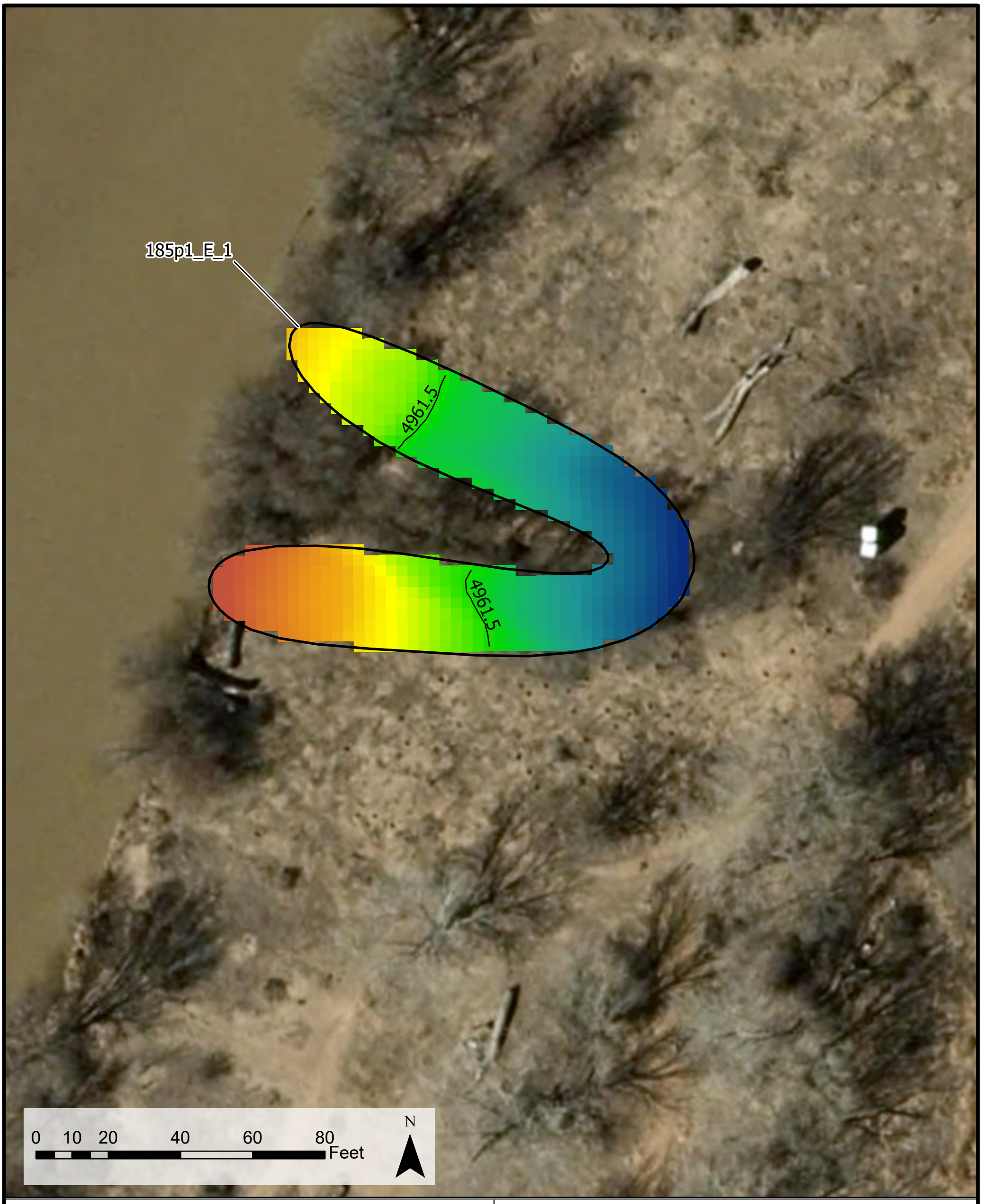


Notes:

USB = Upstream Boundary, DSC = Downstream Channel Connection Point, Letters A through G represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
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- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4961.63

4961.31

Title

Site 185p1_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

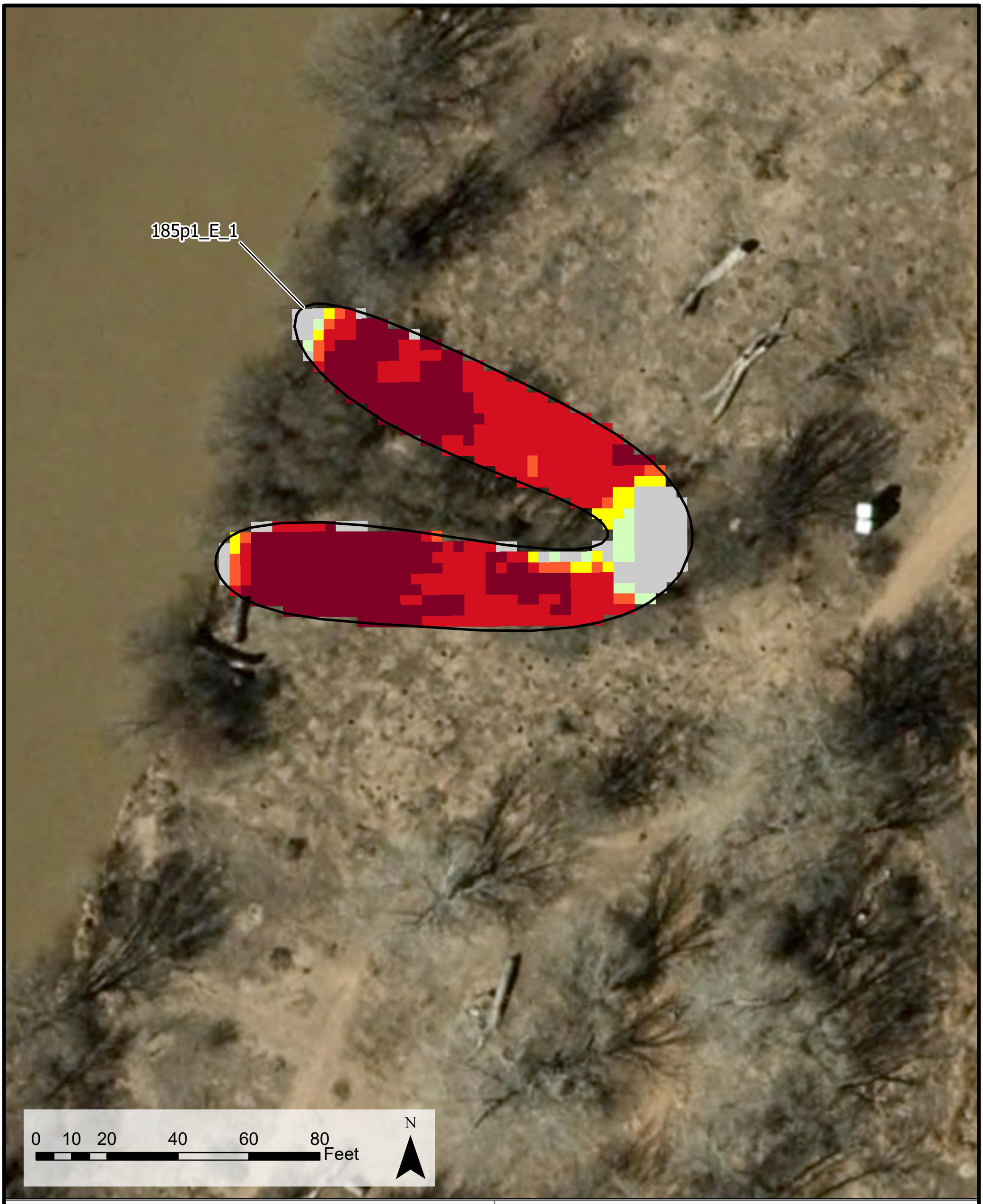
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

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Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.5

2.5-3.5

3.5-4.7

Title

Site 185p1_E_1 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

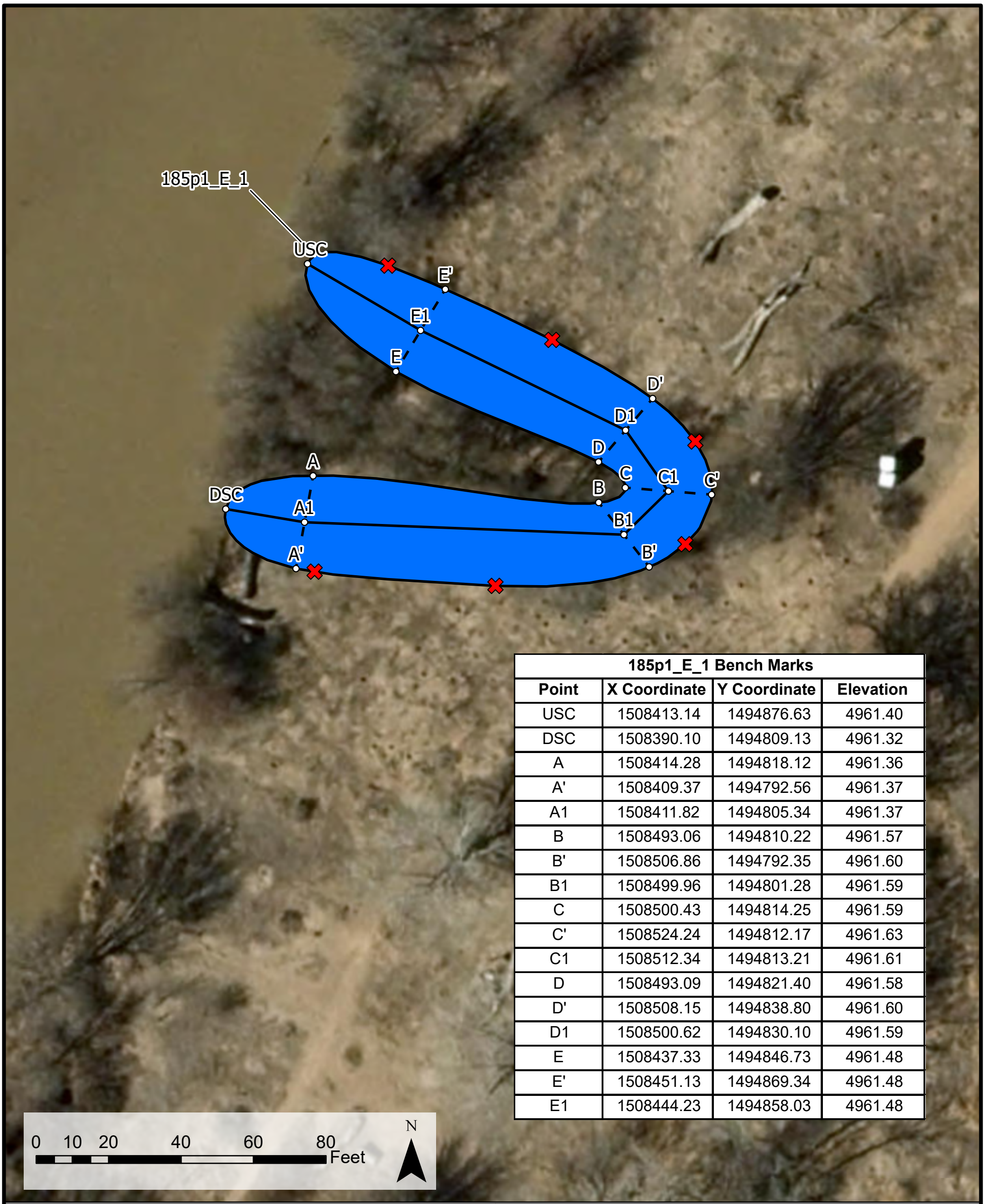
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



185p1_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USC	1508413.14	1494876.63	4961.40
DSC	1508390.10	1494809.13	4961.32
A	1508414.28	1494818.12	4961.36
A'	1508409.37	1494792.56	4961.37
A1	1508411.82	1494805.34	4961.37
B	1508493.06	1494810.22	4961.57
B'	1508506.86	1494792.35	4961.60
B1	1508499.96	1494801.28	4961.59
C	1508500.43	1494814.25	4961.59
C'	1508524.24	1494812.17	4961.63
C1	1508512.34	1494813.21	4961.61
D	1508493.09	1494821.40	4961.58
D'	1508508.15	1494838.80	4961.60
D1	1508500.62	1494830.10	4961.59
E	1508437.33	1494846.73	4961.48
E'	1508451.13	1494869.34	4961.48
E1	1508444.23	1494858.03	4961.48

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features
- Backwater

Title
Site 185p1_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

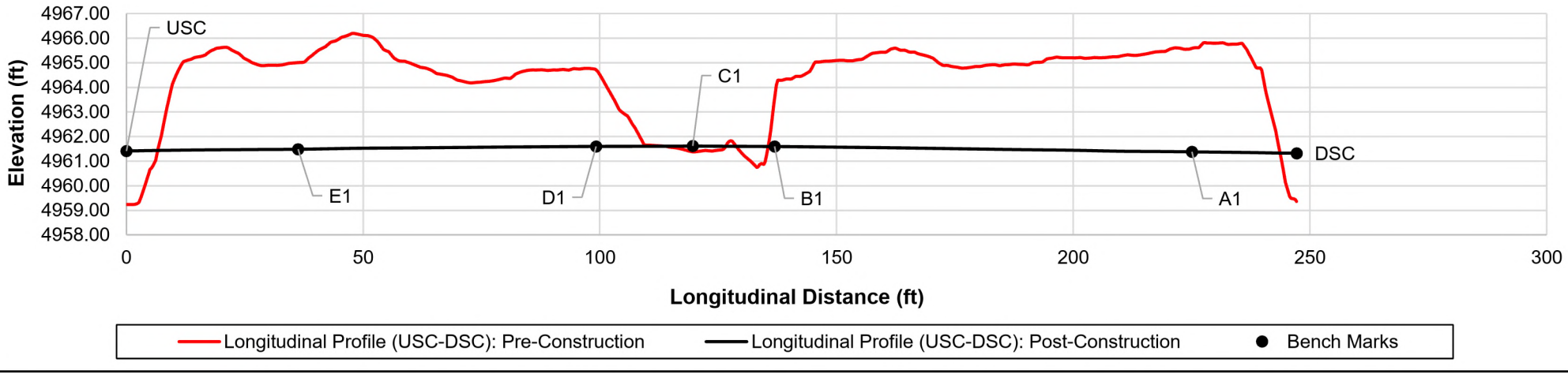
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

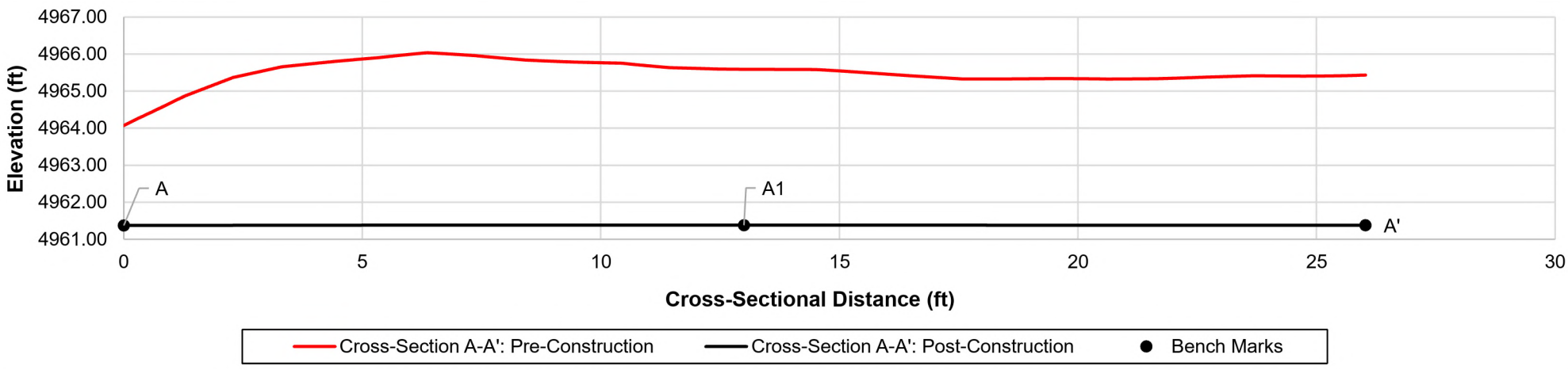
Revision: 0

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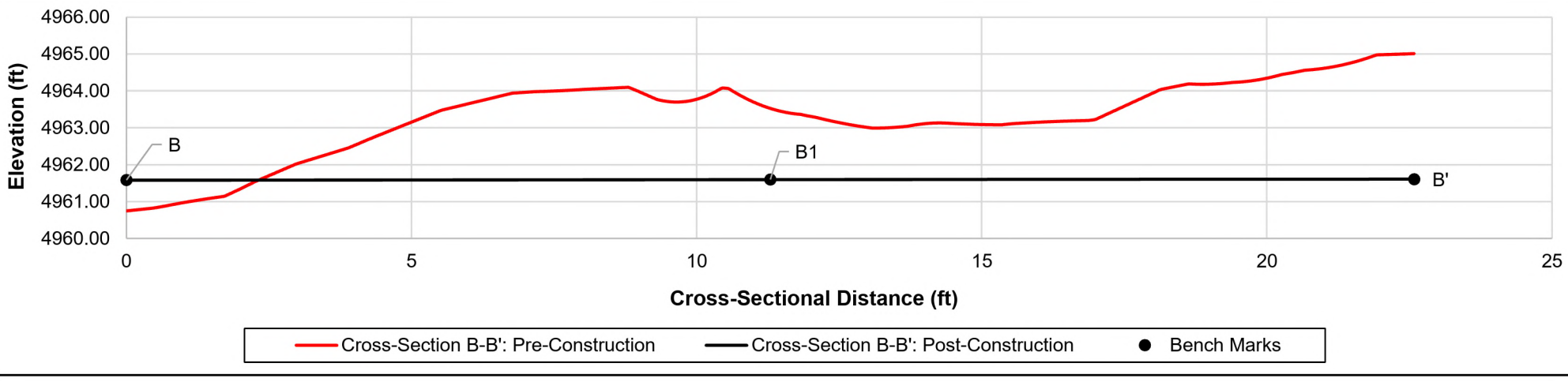
Longitudinal Profile (USC-DSC)



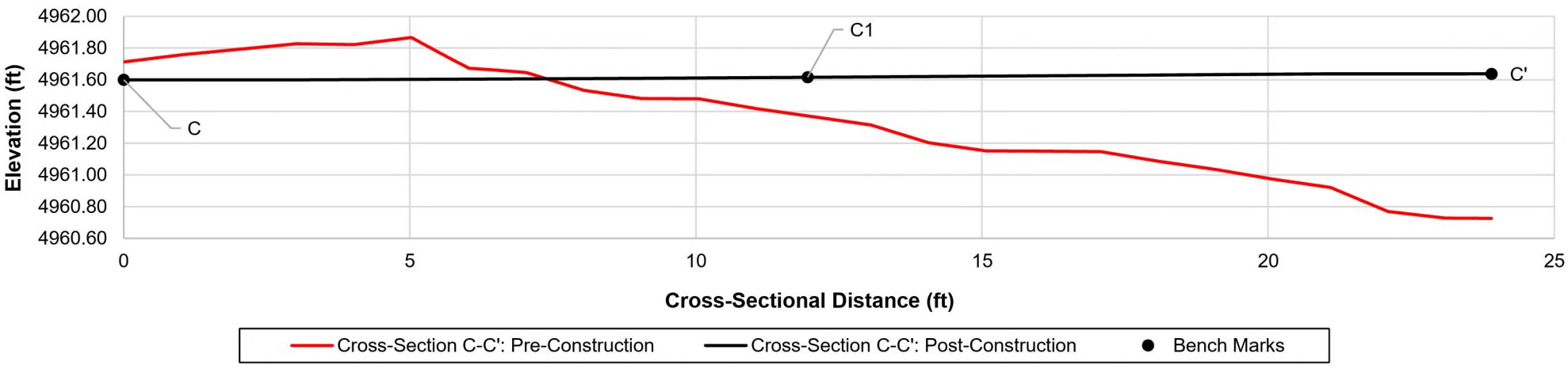
Cross-Section A-A'



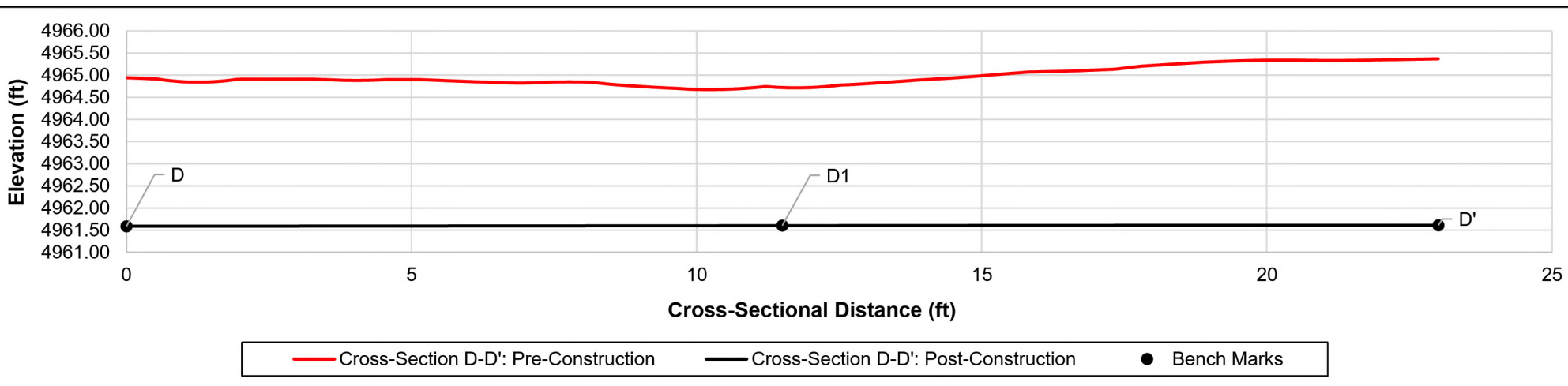
Cross-Section B-B'



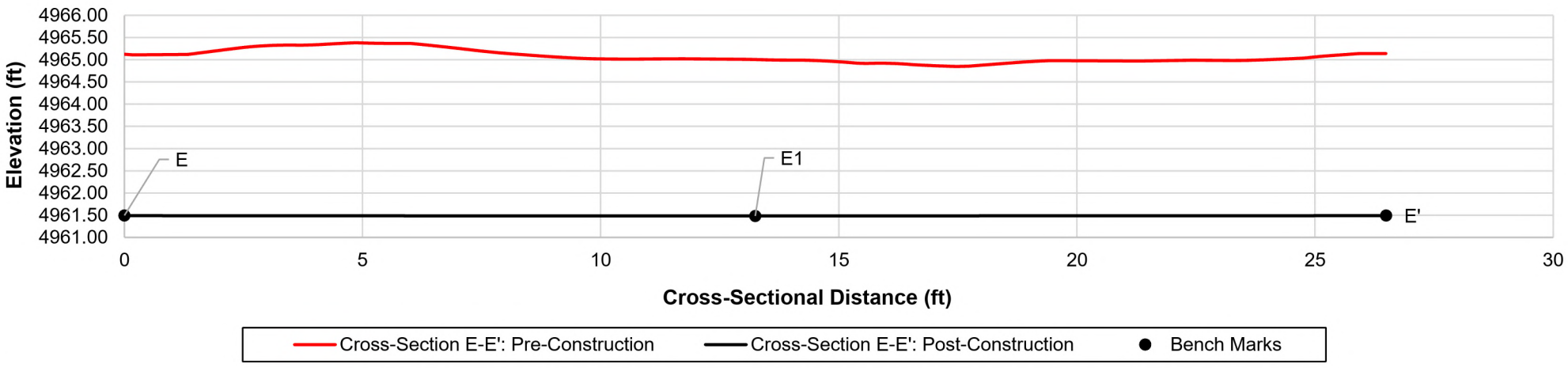
Cross-Section C-C'



Cross-Section D-D'



Cross-Section E-E'

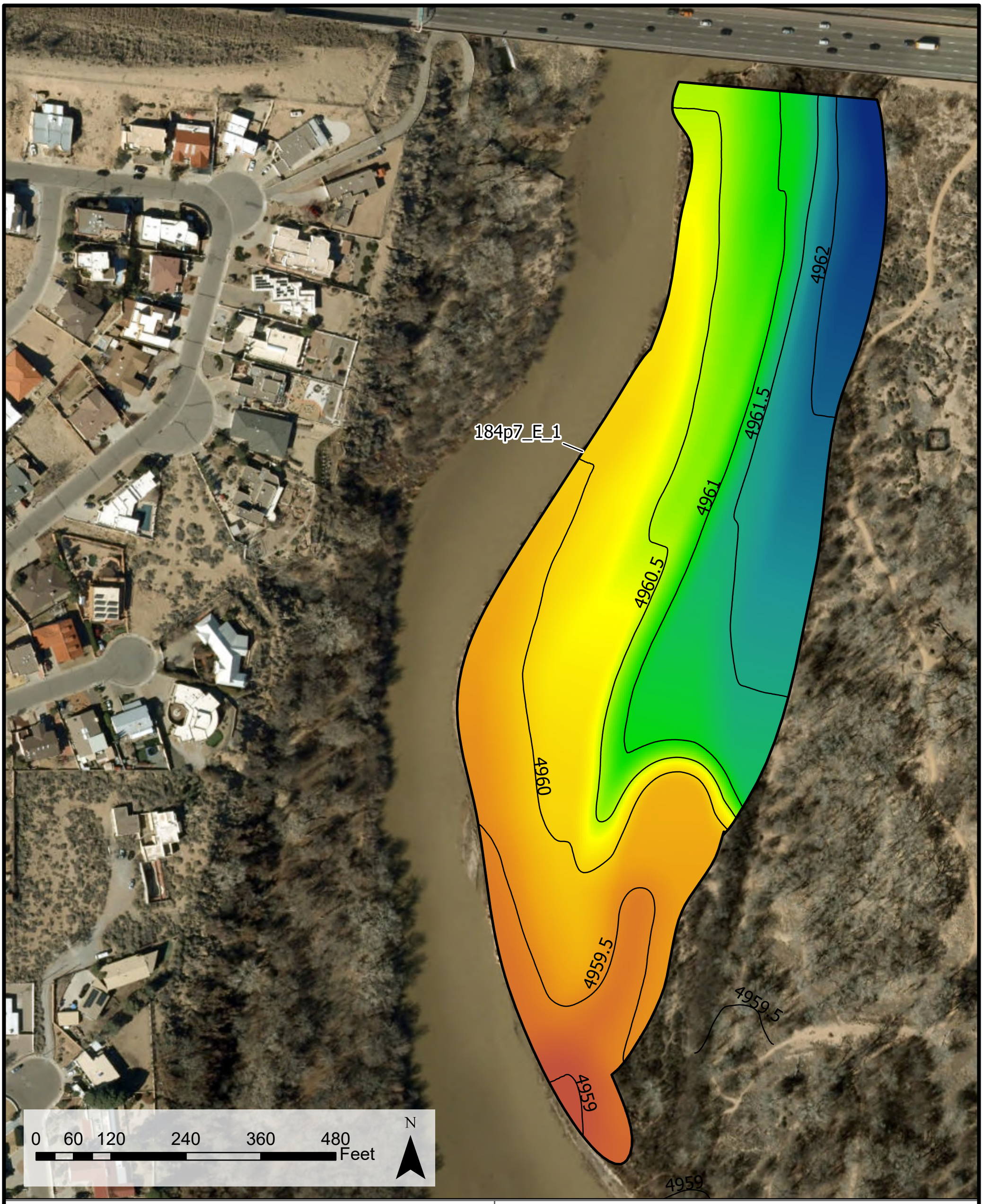


Notes:

USC = Upstream Channel Connection Point, DSC = Downstream Channel Connection Point, Letters A through E represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4962.46

4958.97

Title

Site 184p7_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

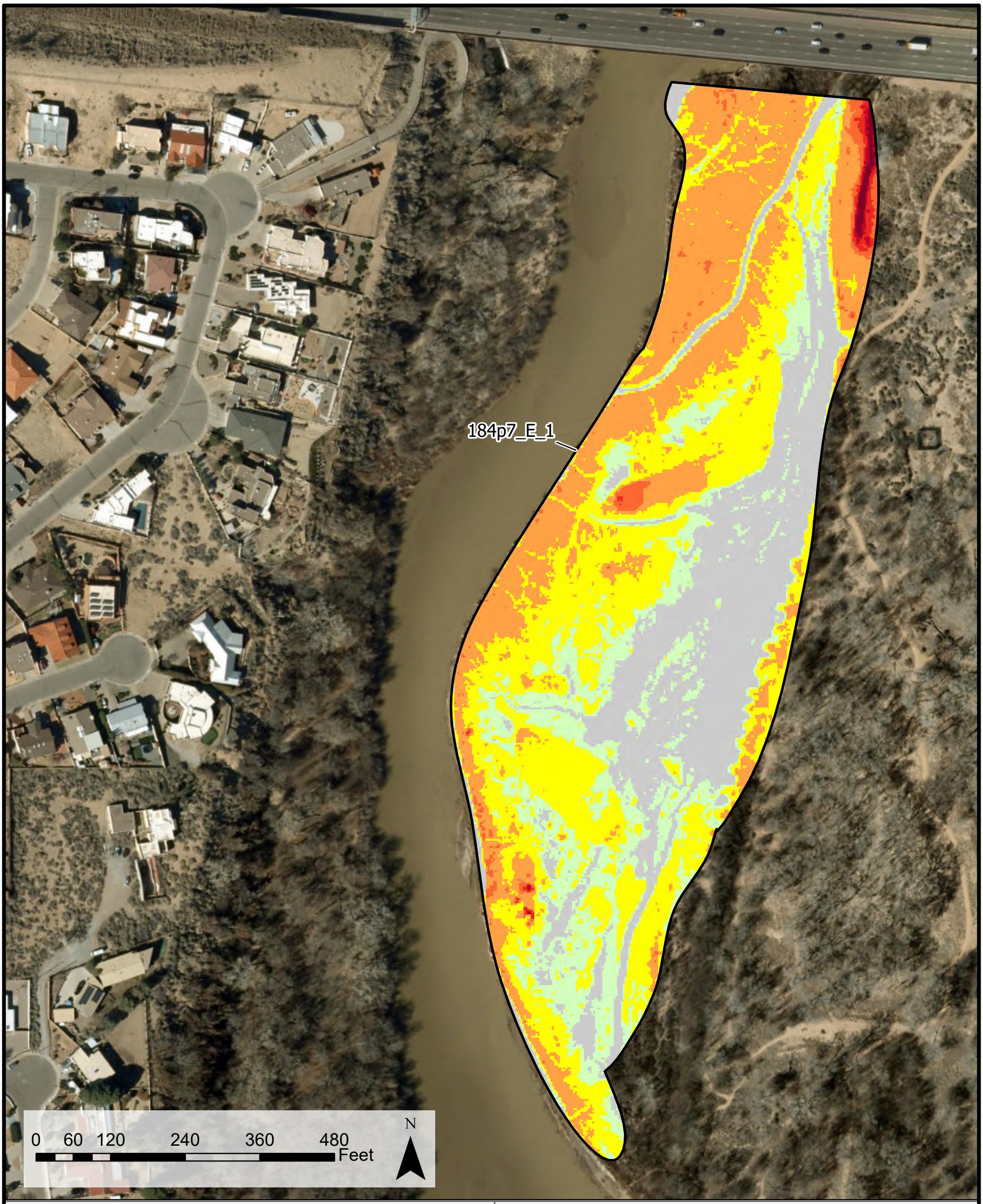
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.5
- 5.5-6.7

Title
Site 184p7_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

Spatial Reference

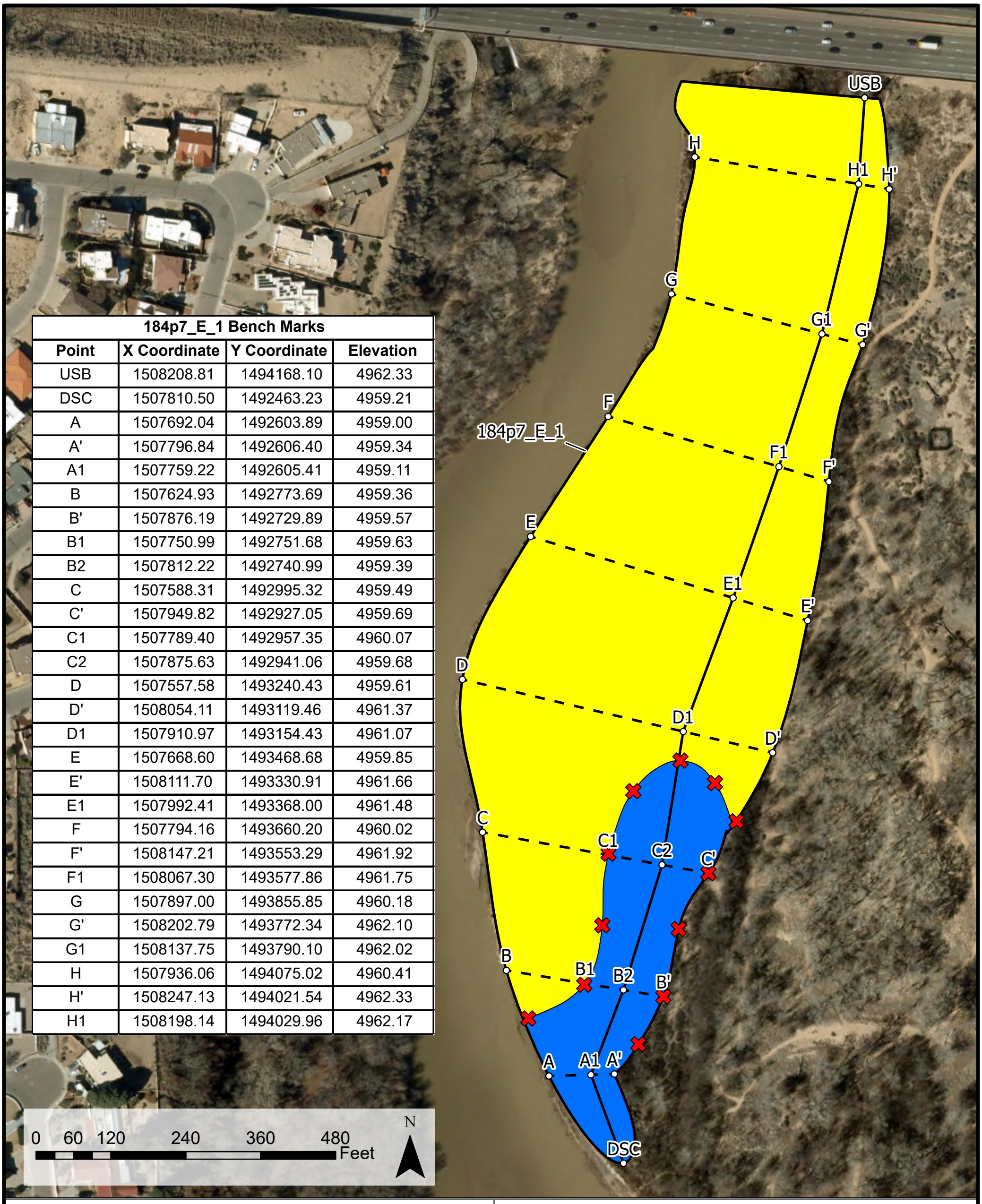
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

184p7_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1508208.81	1494168.10	4962.33
DSC	1507810.50	1492463.23	4959.21
A	1507692.04	1492603.89	4959.00
A'	1507796.84	1492606.40	4959.34
A1	1507759.22	1492605.41	4959.11
B	1507624.93	1492773.69	4959.36
B'	1507876.19	1492729.89	4959.57
B1	1507750.99	1492751.68	4959.63
B2	1507812.22	1492740.99	4959.39
C	1507588.31	1492995.32	4959.49
C'	1507949.82	1492927.05	4959.69
C1	1507789.40	1492957.35	4960.07
C2	1507875.63	1492941.06	4959.68
D	1507557.58	1493240.43	4959.61
D'	1508054.11	1493119.46	4961.37
D1	1507910.97	1493154.43	4961.07
E	1507668.60	1493468.68	4959.85
E'	1508111.70	1493330.91	4961.66
E1	1507992.41	1493368.00	4961.48
F	1507794.16	1493660.20	4960.02
F'	1508147.21	1493553.29	4961.92
F1	1508067.30	1493577.86	4961.75
G	1507897.00	1493855.85	4960.18
G'	1508202.79	1493772.34	4962.10
G1	1508137.75	1493790.10	4962.02
H	1507936.06	1494075.02	4960.41
H'	1508247.13	1494021.54	4962.33
H1	1508198.14	1494029.96	4962.17



Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater
- Bankline Modification

Title
Site 184p7_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

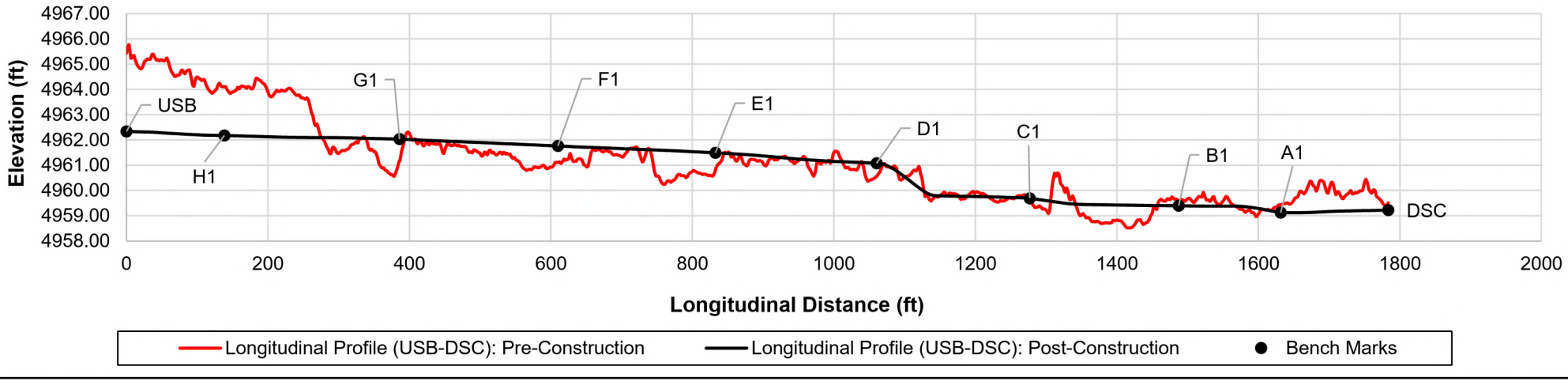
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

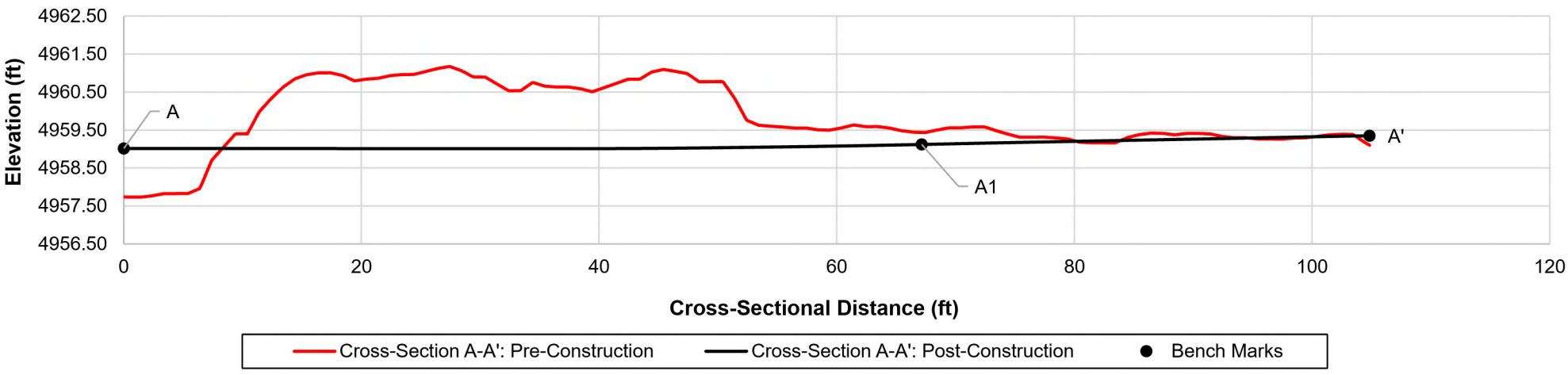
Revision: 0

GSA GeoSystems Analysis, Inc. *Innovative Solutions*

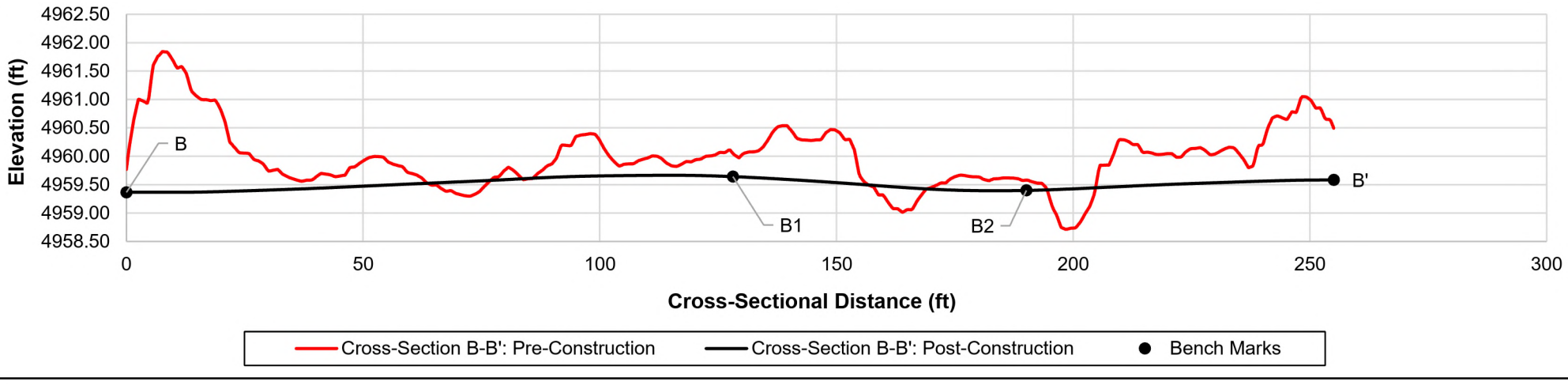
Longitudinal Profile (USB-DSC)



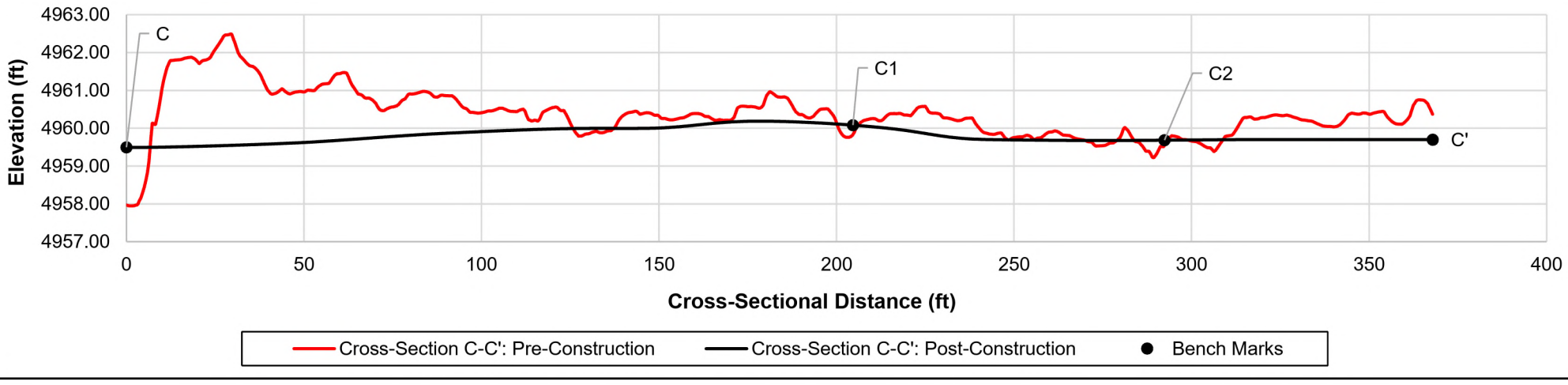
Cross-Section A-A'



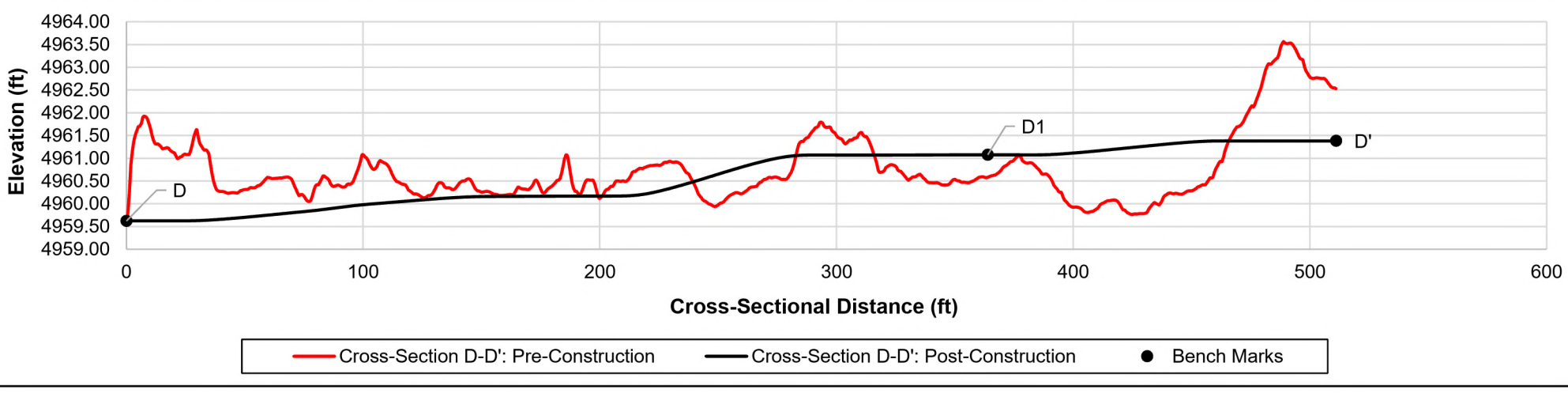
Cross-Section B-B'



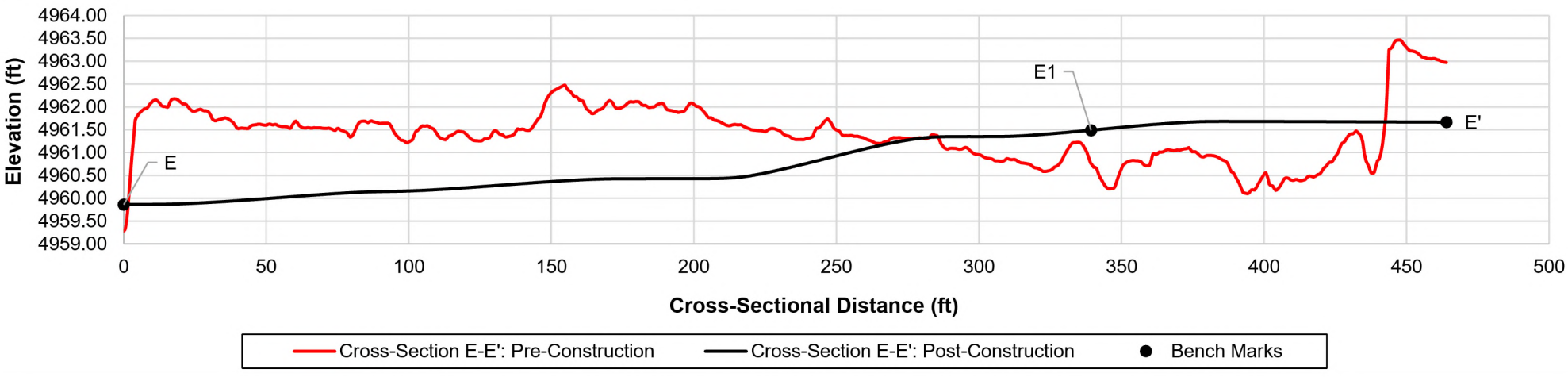
Cross-Section C-C'



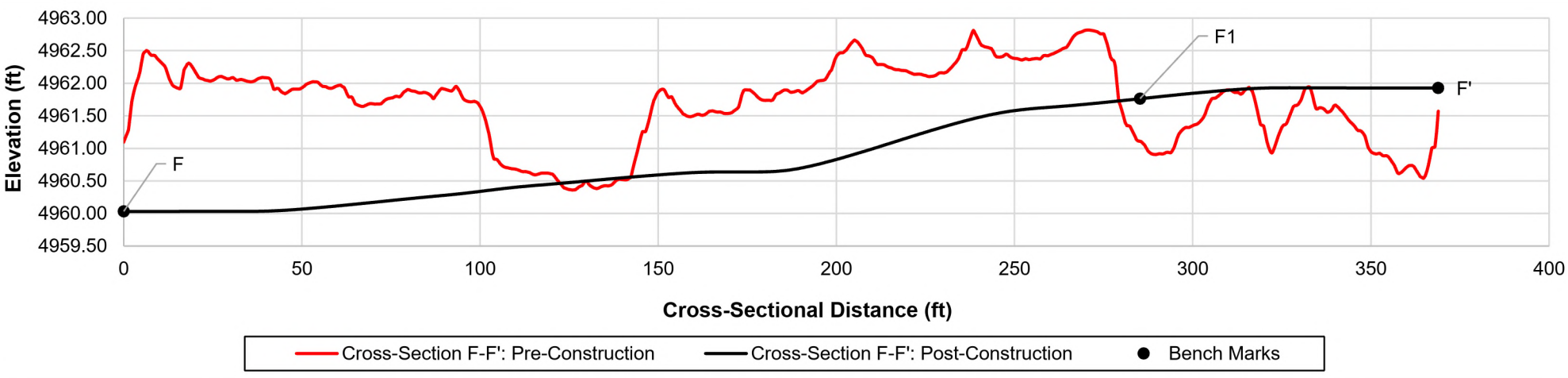
Cross-Section D-D'



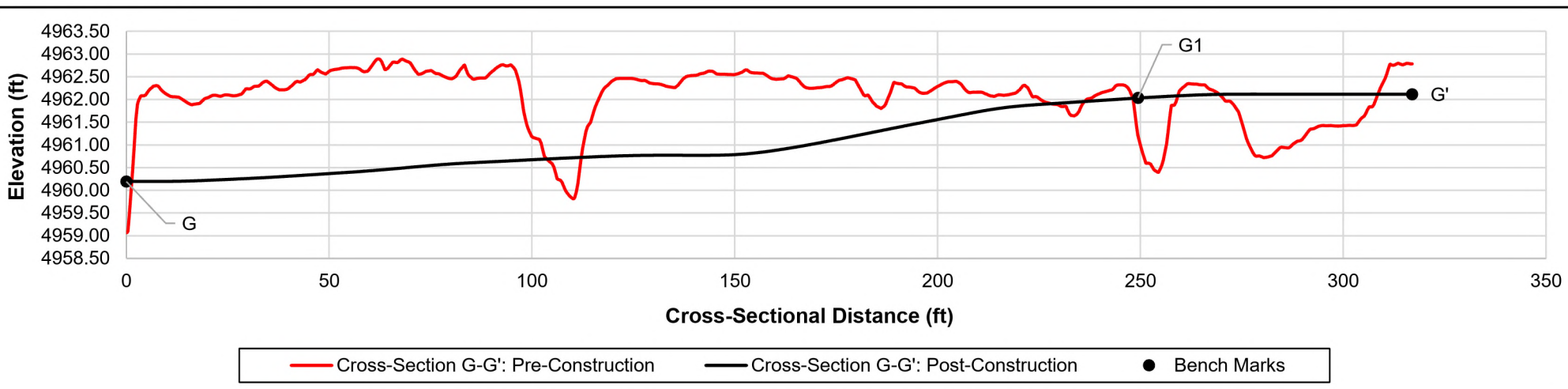
Cross-Section E-E'



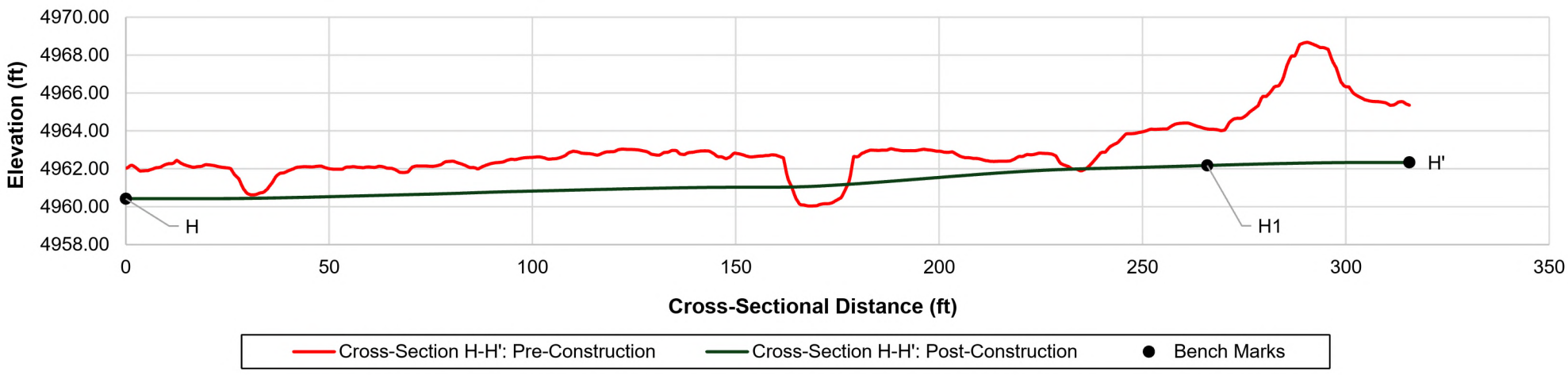
Cross-Section F-F'



Cross-Section G-G'



Cross-Section H-H'

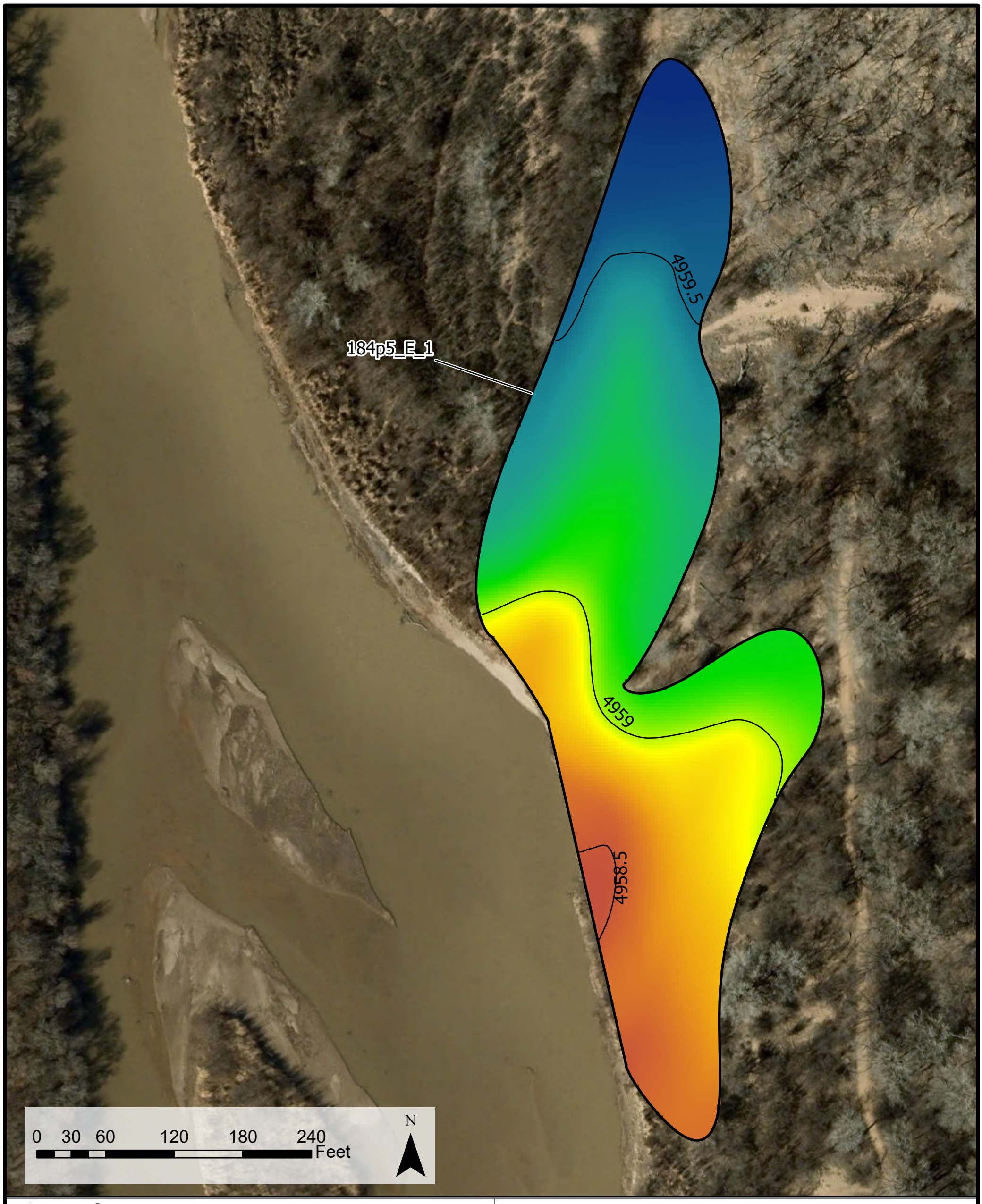


Notes:

USB = Upstream Boundary, DSC = Downstream Channel Connection Point, Letters A through H represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
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- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4959.65

4958.43

Title

Site 184p5_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

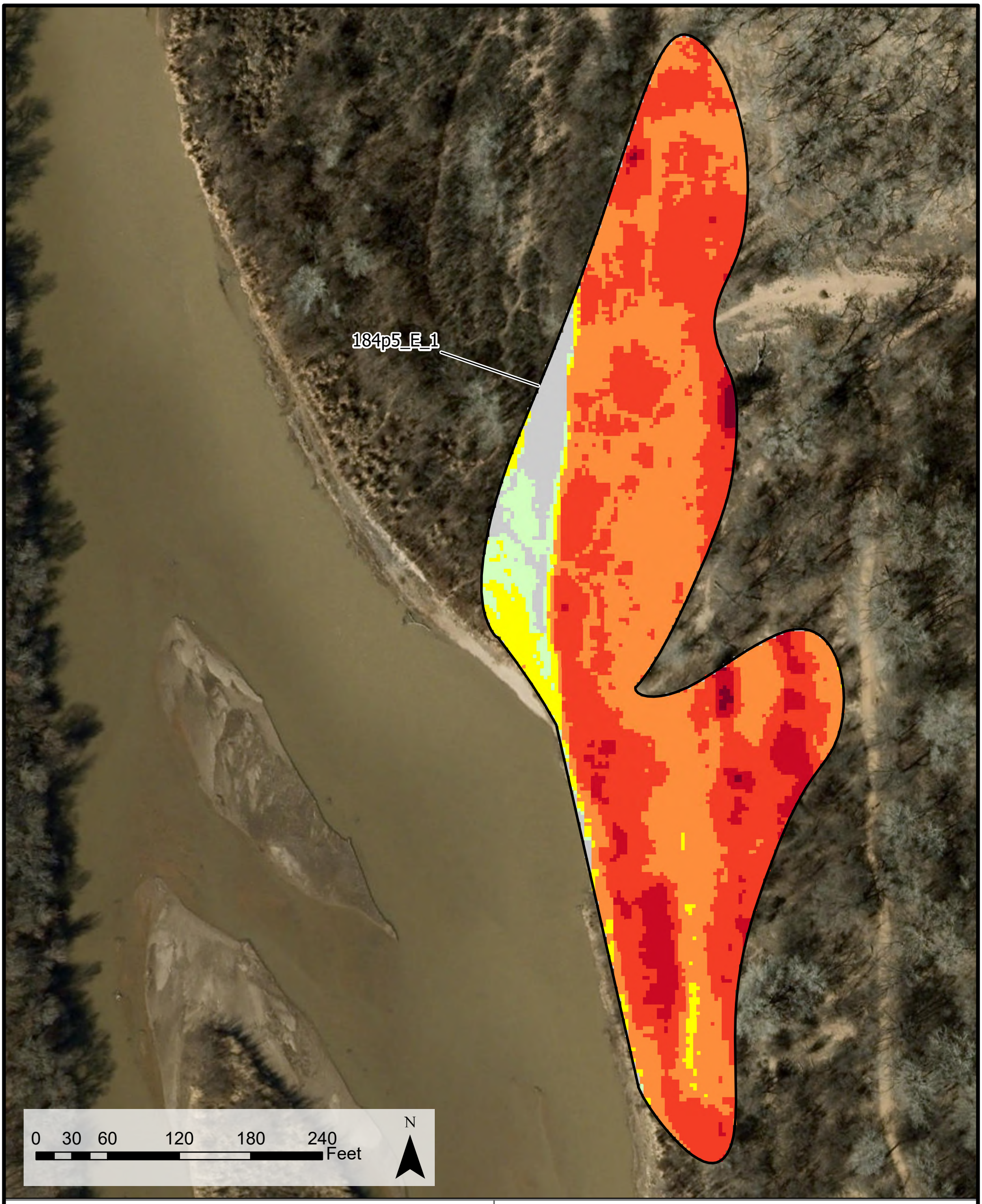
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.6

Title
Site 184p5_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

Spatial Reference

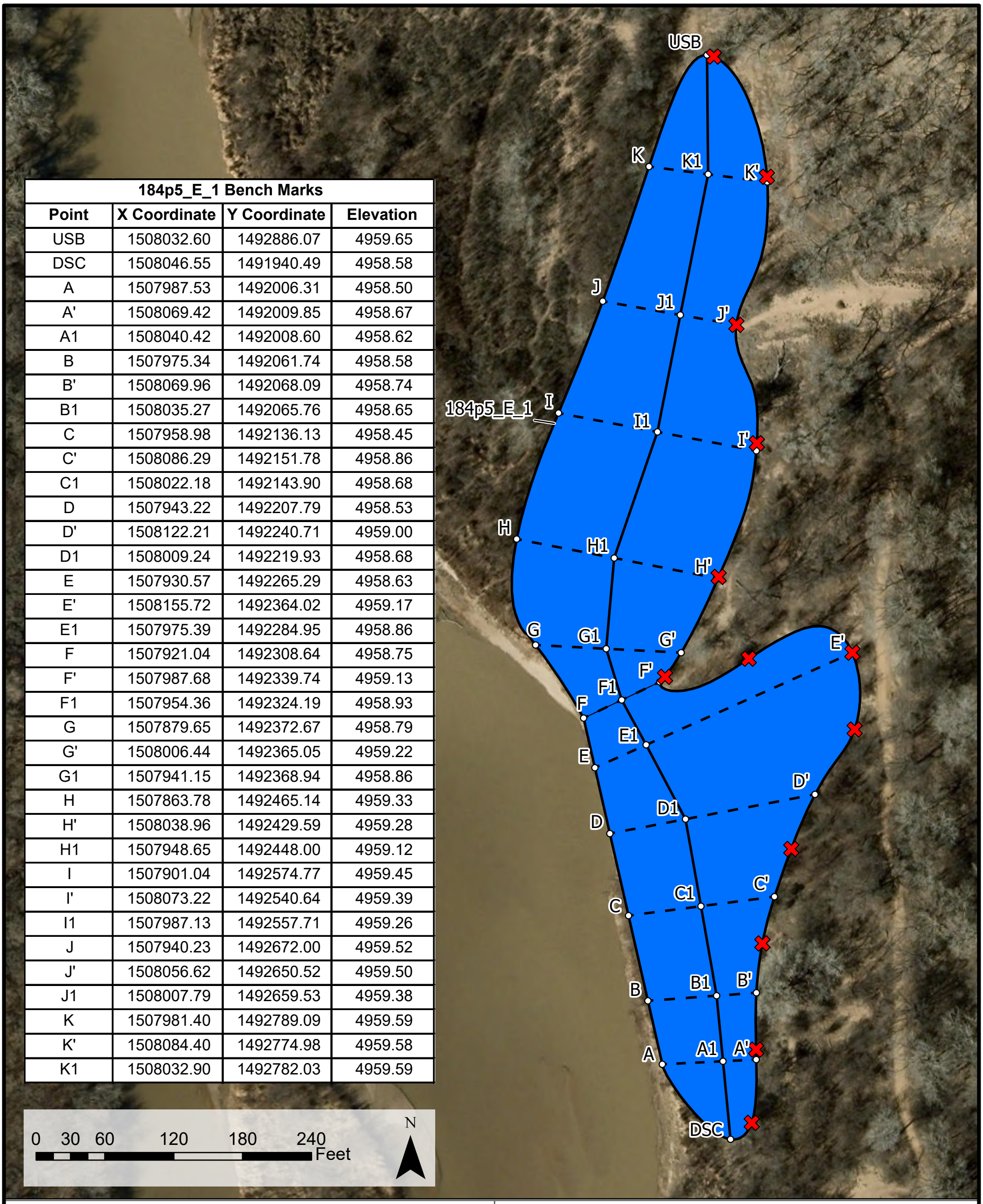
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

184p5_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1508032.60	1492886.07	4959.65
DSC	1508046.55	1491940.49	4958.58
A	1507987.53	1492006.31	4958.50
A'	1508069.42	1492009.85	4958.67
A1	1508040.42	1492008.60	4958.62
B	1507975.34	1492061.74	4958.58
B'	1508069.96	1492068.09	4958.74
B1	1508035.27	1492065.76	4958.65
C	1507958.98	1492136.13	4958.45
C'	1508086.29	1492151.78	4958.86
C1	1508022.18	1492143.90	4958.68
D	1507943.22	1492207.79	4958.53
D'	1508122.21	1492240.71	4959.00
D1	1508009.24	1492219.93	4958.68
E	1507930.57	1492265.29	4958.63
E'	1508155.72	1492364.02	4959.17
E1	1507975.39	1492284.95	4958.86
F	1507921.04	1492308.64	4958.75
F'	1507987.68	1492339.74	4959.13
F1	1507954.36	1492324.19	4958.93
G	1507879.65	1492372.67	4958.79
G'	1508006.44	1492365.05	4959.22
G1	1507941.15	1492368.94	4958.86
H	1507863.78	1492465.14	4959.33
H'	1508038.96	1492429.59	4959.28
H1	1507948.65	1492448.00	4959.12
I	1507901.04	1492574.77	4959.45
I'	1508073.22	1492540.64	4959.39
I1	1507987.13	1492557.71	4959.26
J	1507940.23	1492672.00	4959.52
J'	1508056.62	1492650.52	4959.50
J1	1508007.79	1492659.53	4959.38
K	1507981.40	1492789.09	4959.59
K'	1508084.40	1492774.98	4959.58
K1	1508032.90	1492782.03	4959.59



Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater

Title

Site 184p5_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

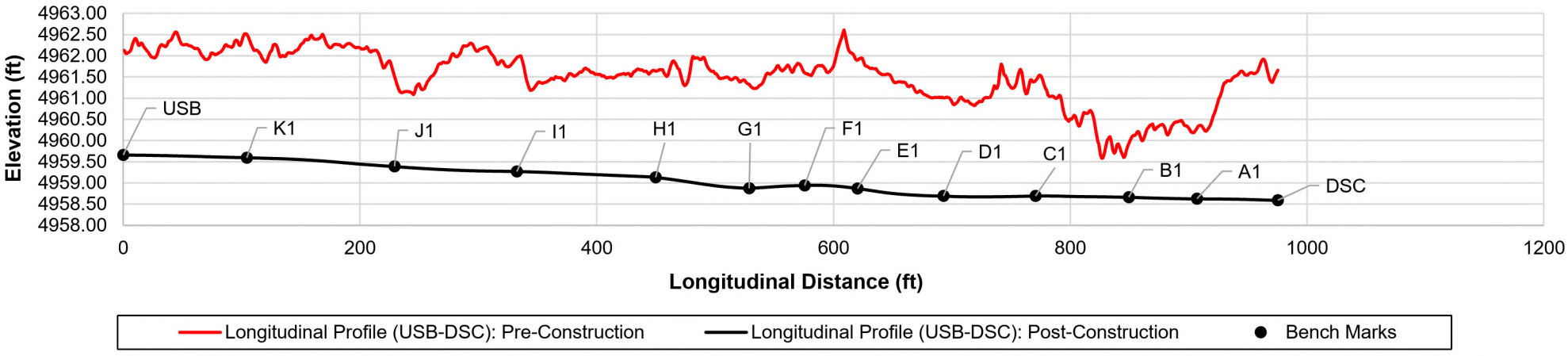
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

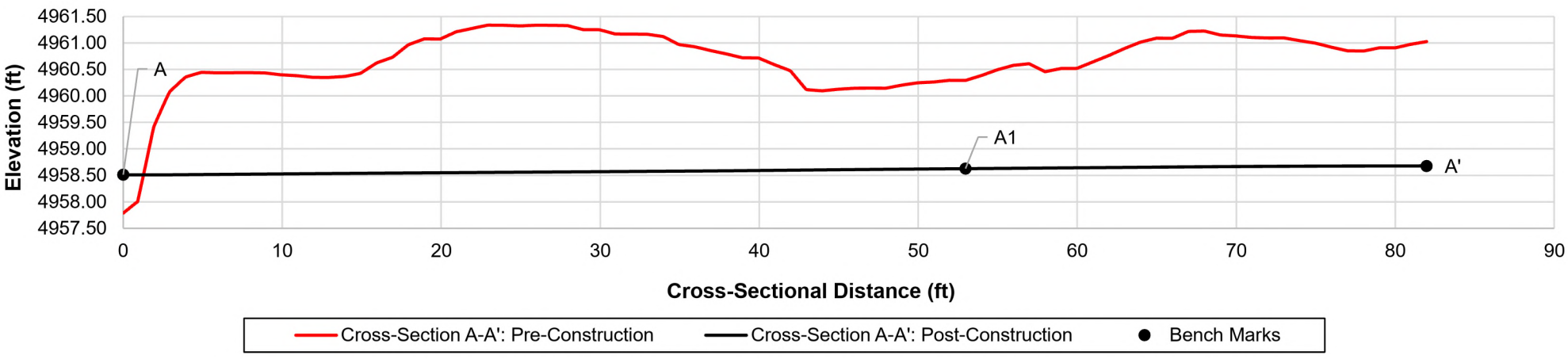
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

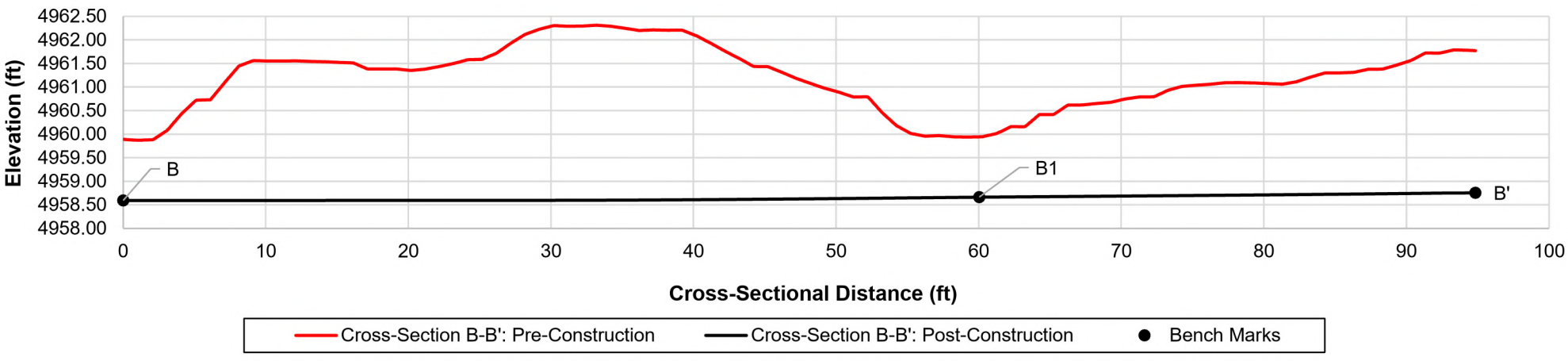
Longitudinal Profile (USB-DSC)



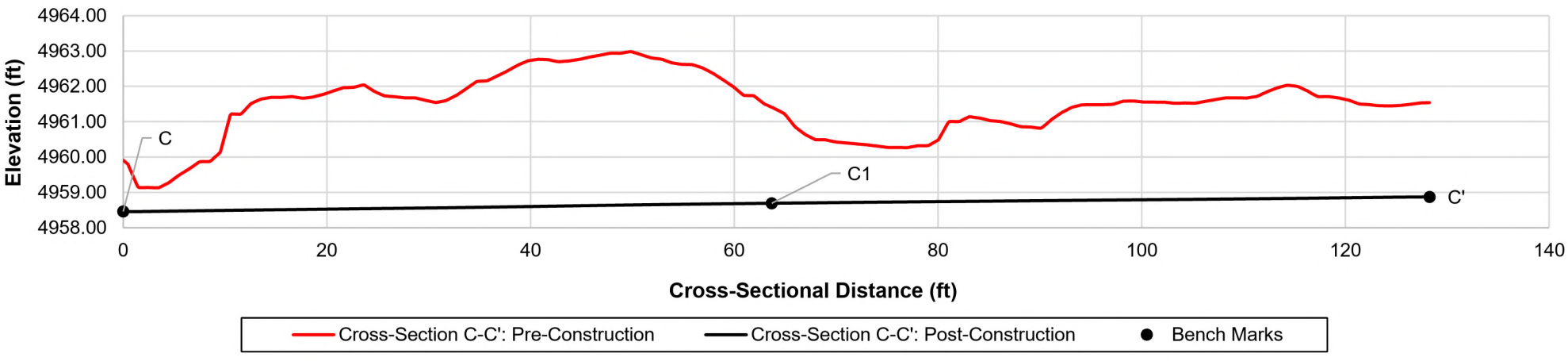
Cross-Section A-A'



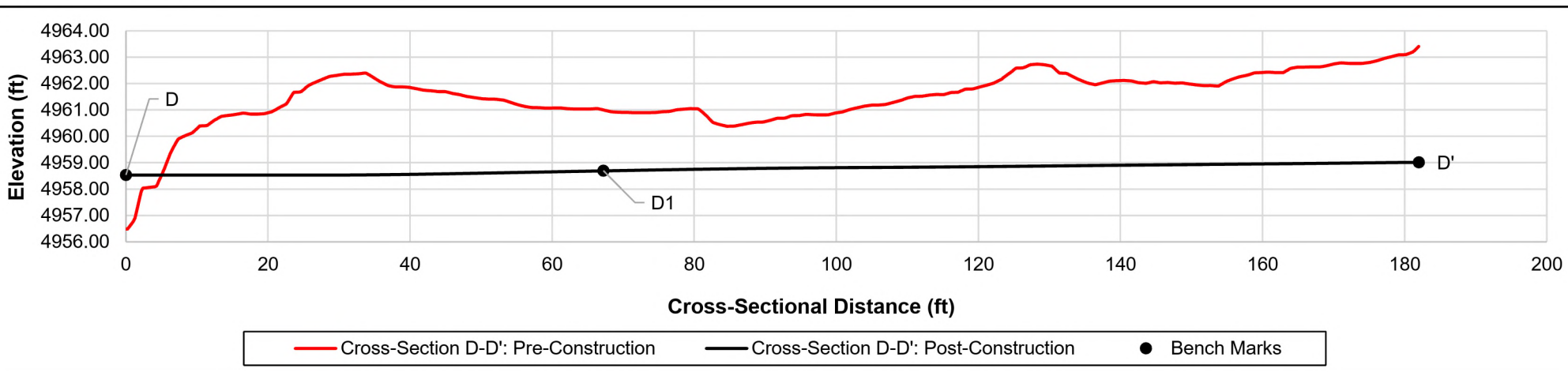
Cross-Section B-B'



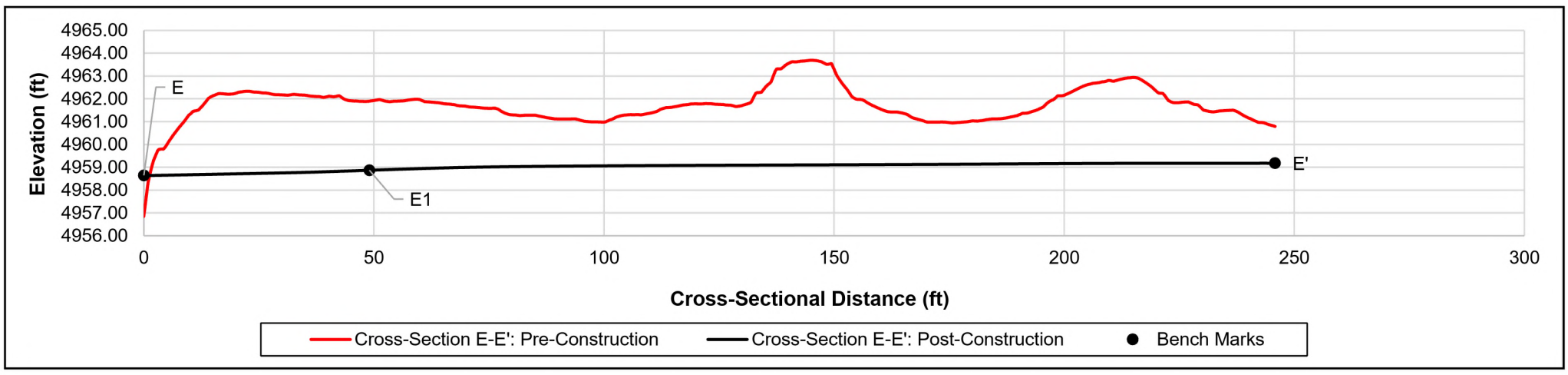
Cross-Section C-C'



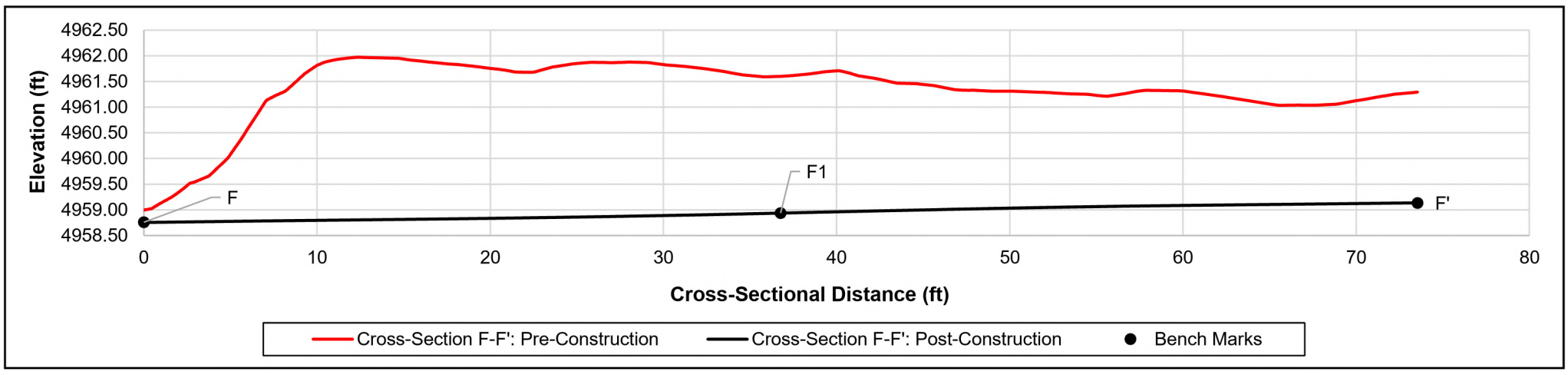
Cross-Section D-D'



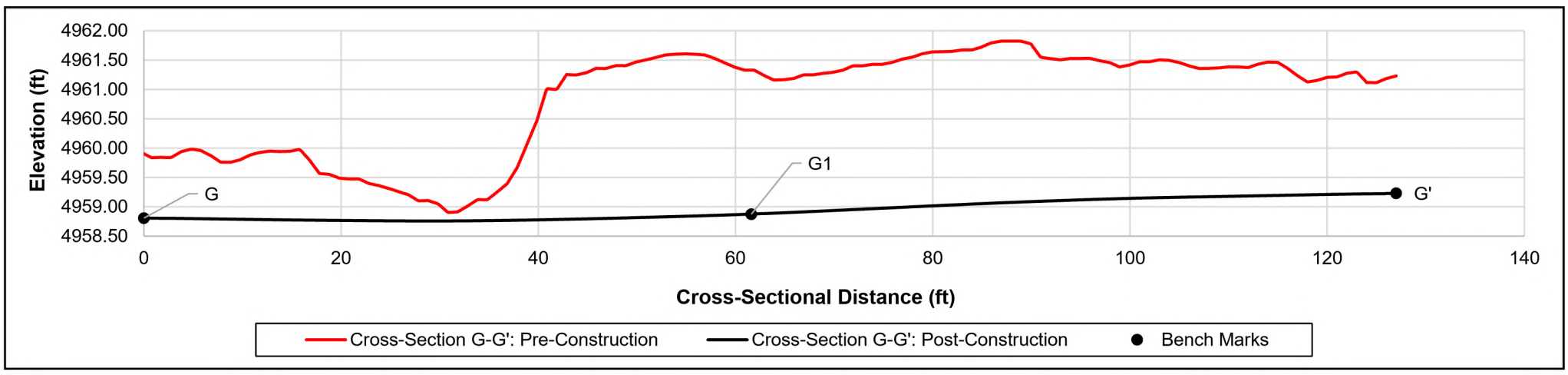
Cross-Section E-E'



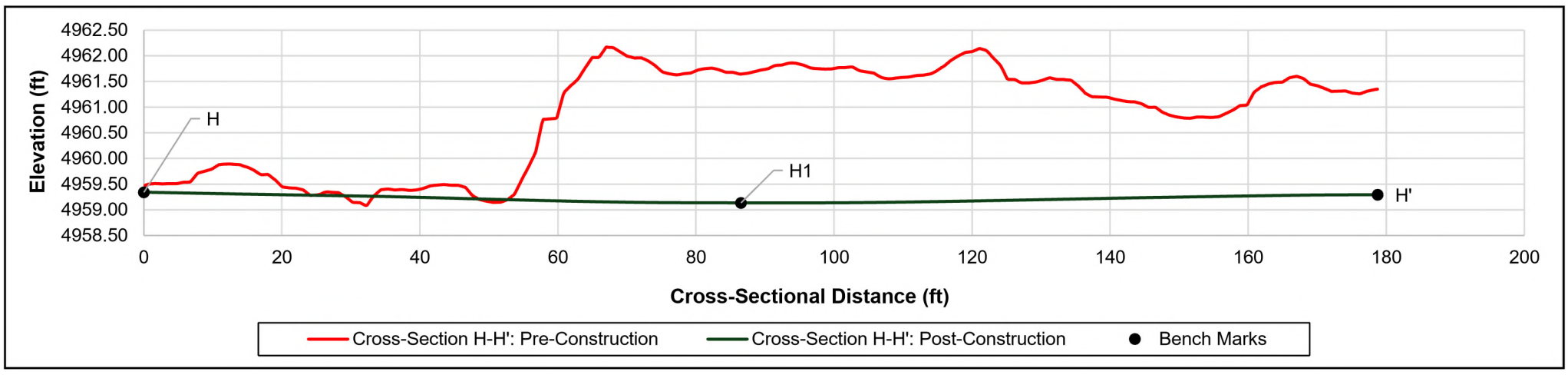
Cross-Section F-F'



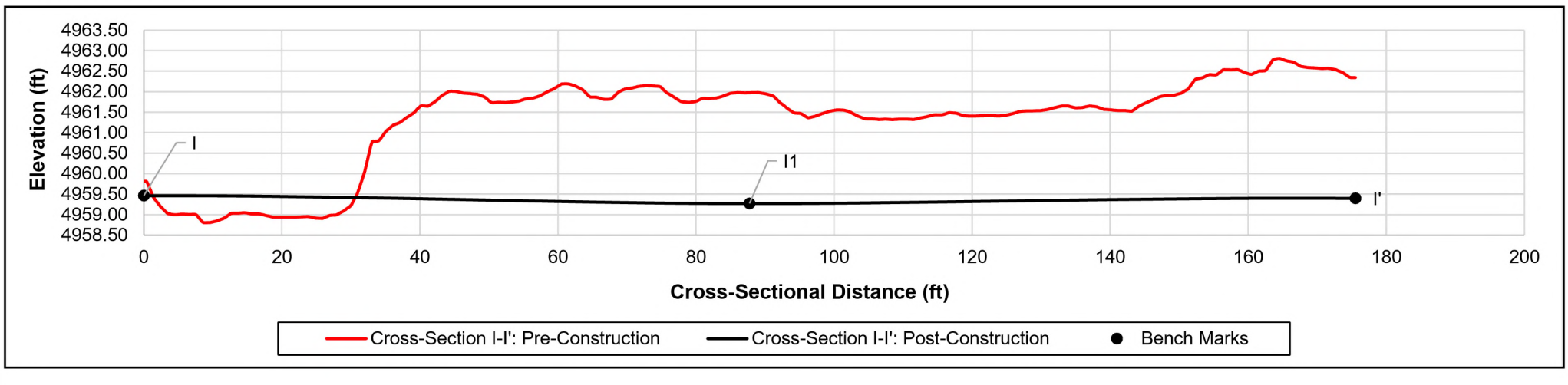
Cross-Section G-G'



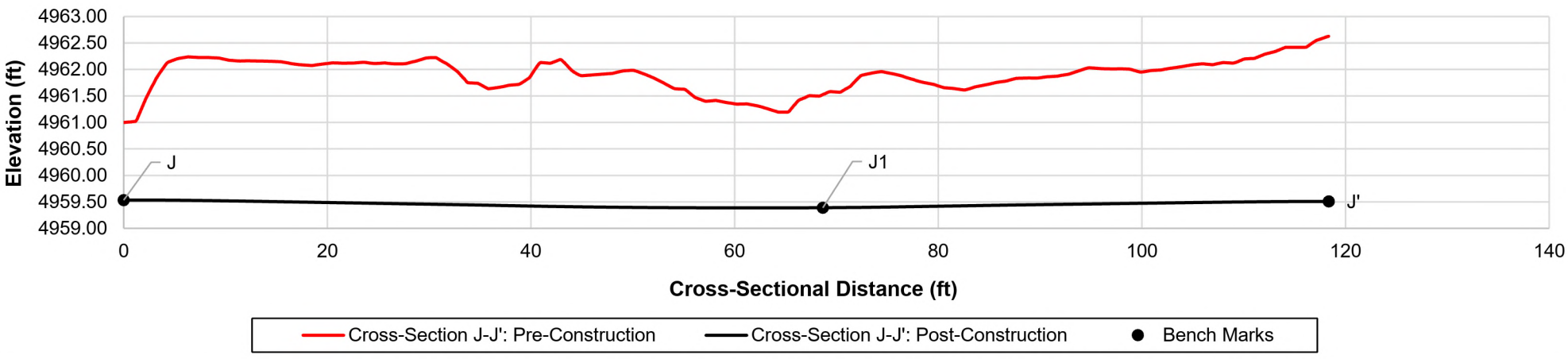
Cross-Section H-H'



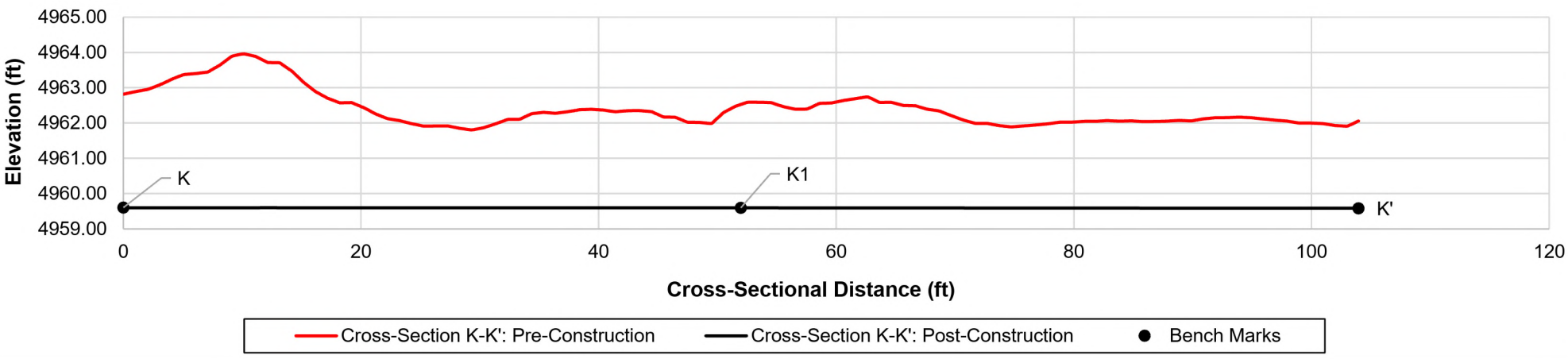
Cross-Section I-I'



Cross-Section J-J'



Cross-Section K-K'

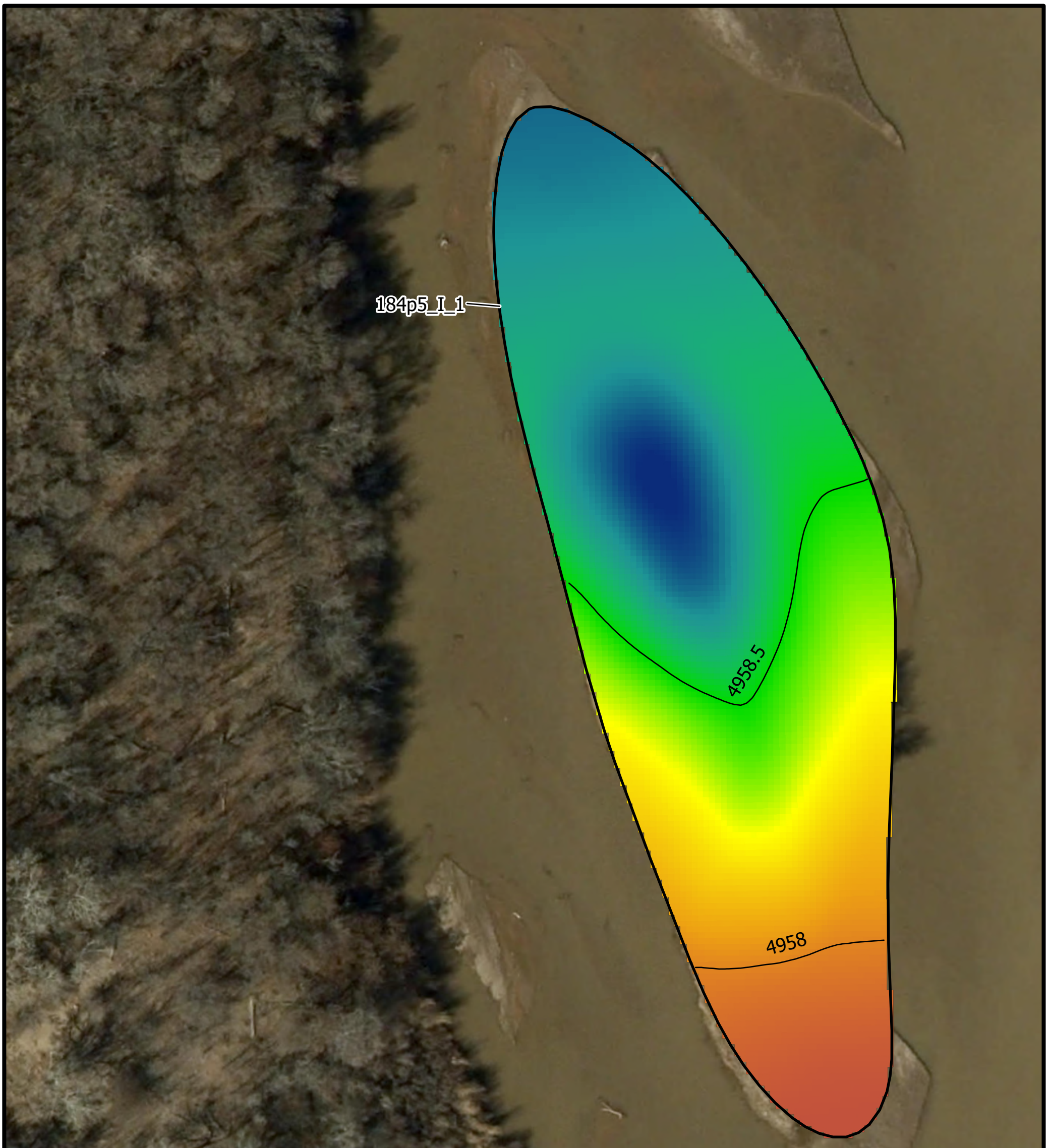


Notes:

USB = Upstream Boundary, DSC = Downstream Channel Connection Point, Letters A through K represent cross-sections from downstream to upstream.

Construction Specifications:

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Legend

HR Sites

1/2ft Contours

Elevation (ft)

4958.96

4957.83

Title

Site 184p5_I_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

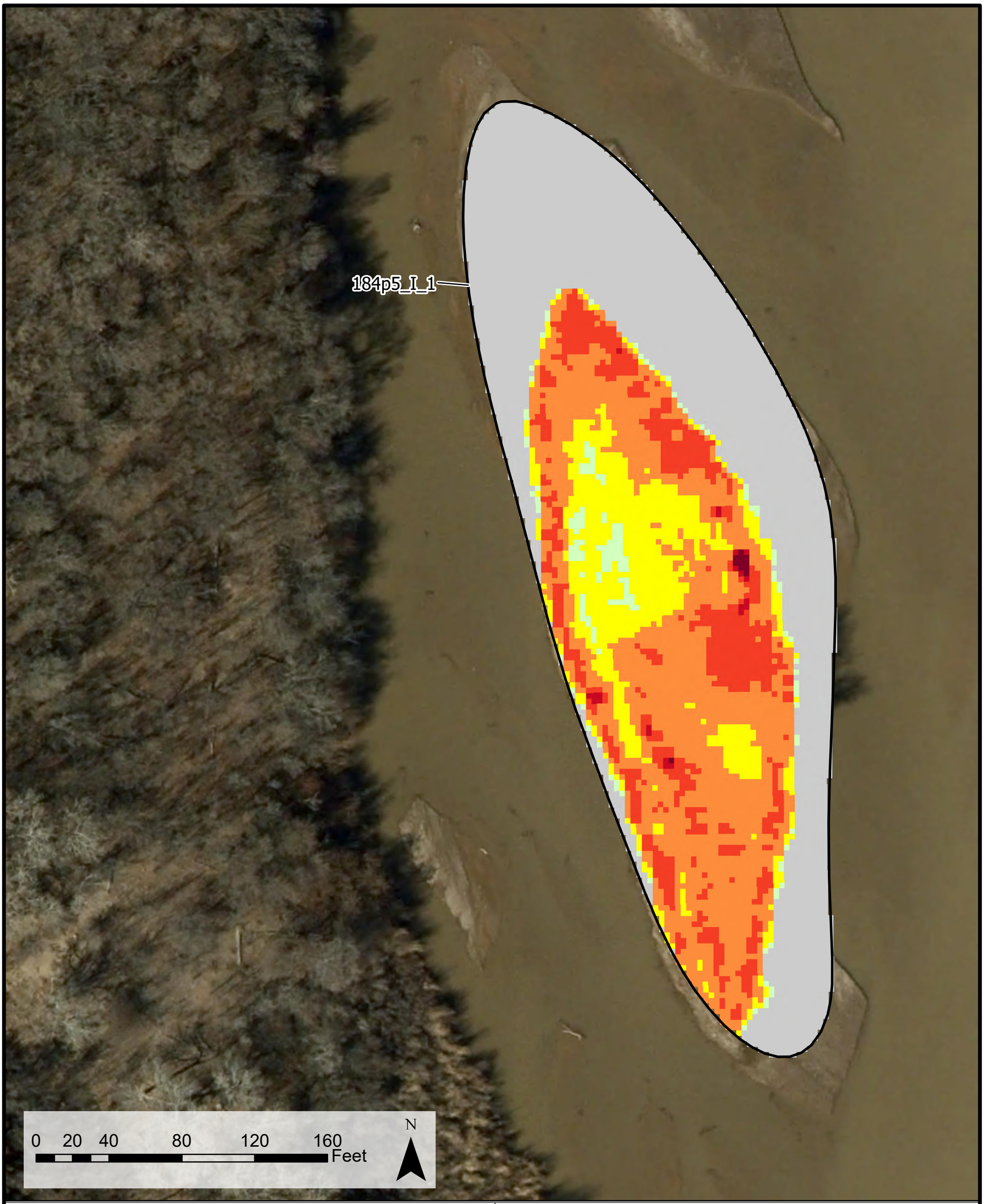
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.3

Title
Site 184p5_I_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

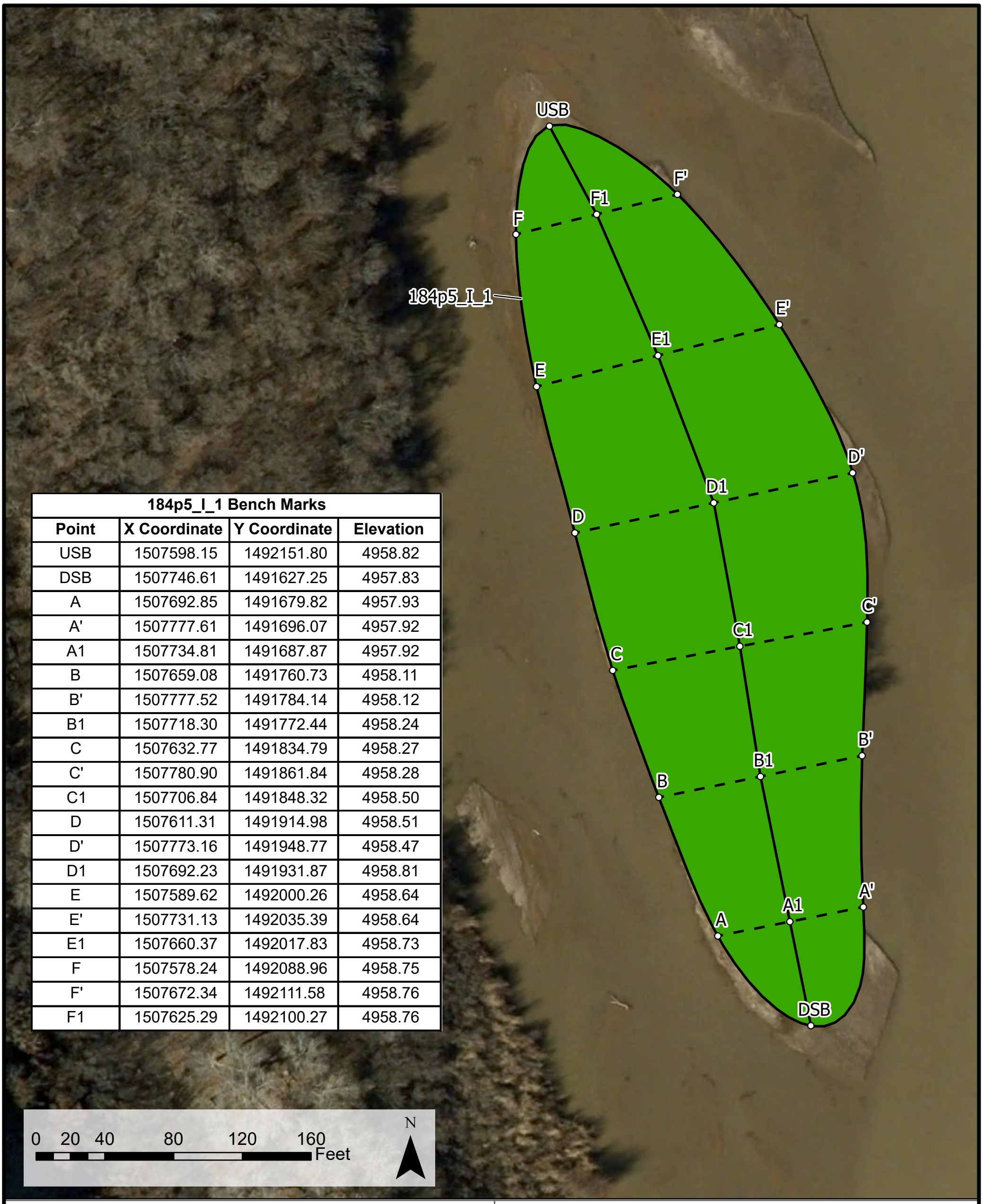
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



184p5_I_1 Bench Marks			
Point	X Coordinate	Y Coordinate	Elevation
USB	1507598.15	1492151.80	4958.82
DSB	1507746.61	1491627.25	4957.83
A	1507692.85	1491679.82	4957.93
A'	1507777.61	1491696.07	4957.92
A1	1507734.81	1491687.87	4957.92
B	1507659.08	1491760.73	4958.11
B'	1507777.52	1491784.14	4958.12
B1	1507718.30	1491772.44	4958.24
C	1507632.77	1491834.79	4958.27
C'	1507780.90	1491861.84	4958.28
C1	1507706.84	1491848.32	4958.50
D	1507611.31	1491914.98	4958.51
D'	1507773.16	1491948.77	4958.47
D1	1507692.23	1491931.87	4958.81
E	1507589.62	1492000.26	4958.64
E'	1507731.13	1492035.39	4958.64
E1	1507660.37	1492017.83	4958.73
F	1507578.24	1492088.96	4958.75
F'	1507672.34	1492111.58	4958.76
F1	1507625.29	1492100.27	4958.76

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Island Destabilization

Title

Site 184p5_I_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

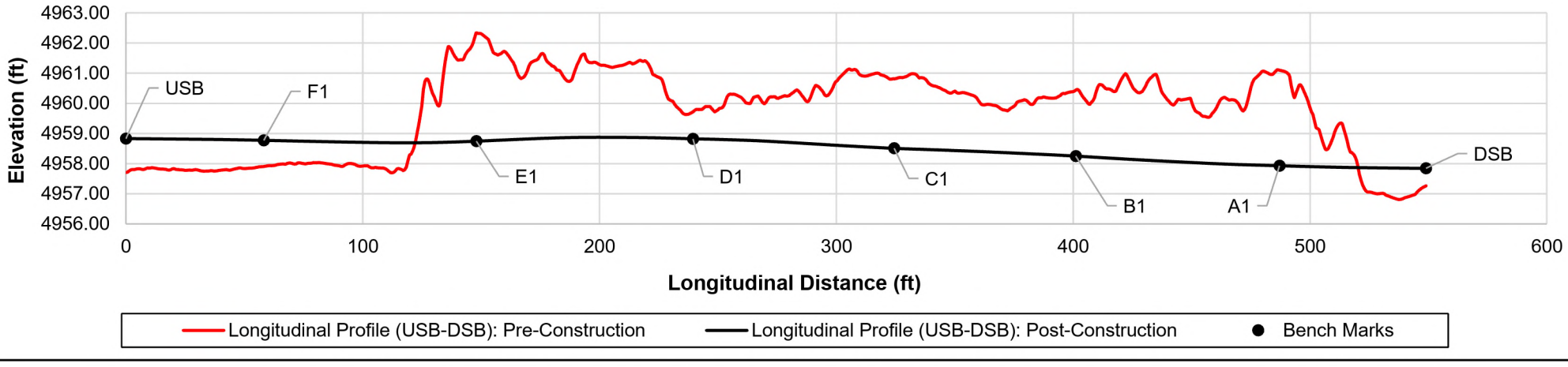
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

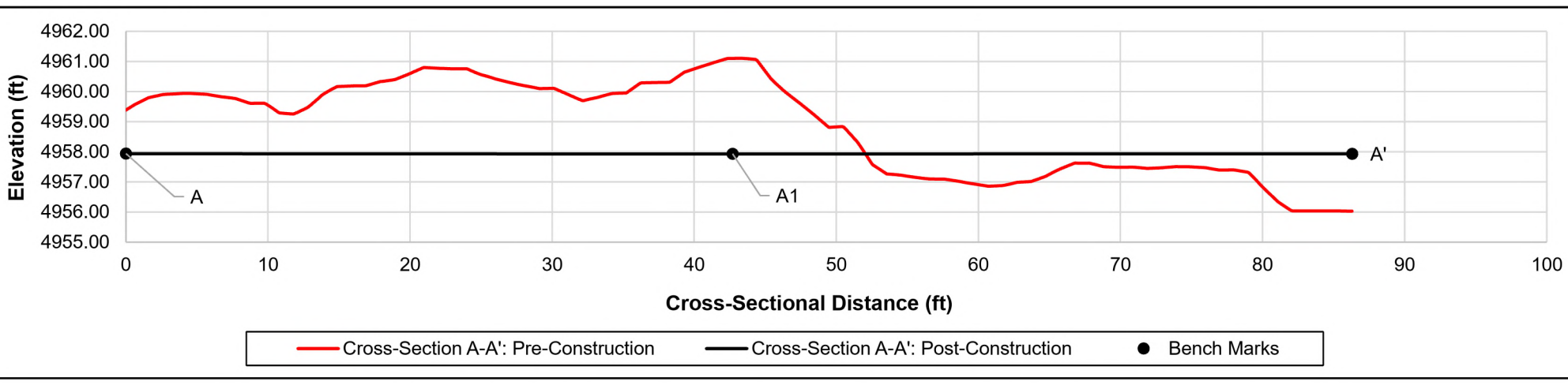
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

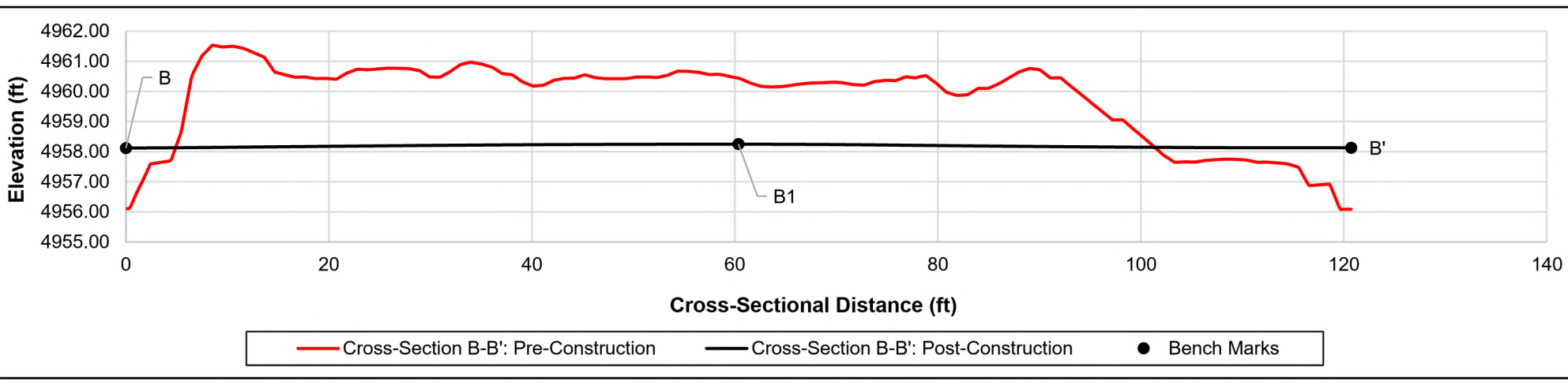
Longitudinal Profile (USB-DSB)



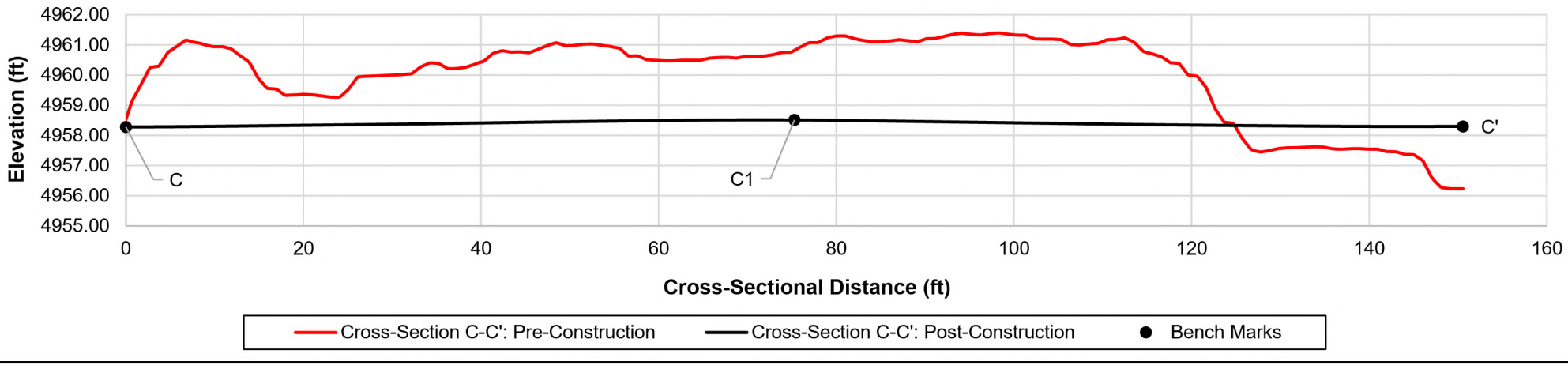
Cross-Section A-A'



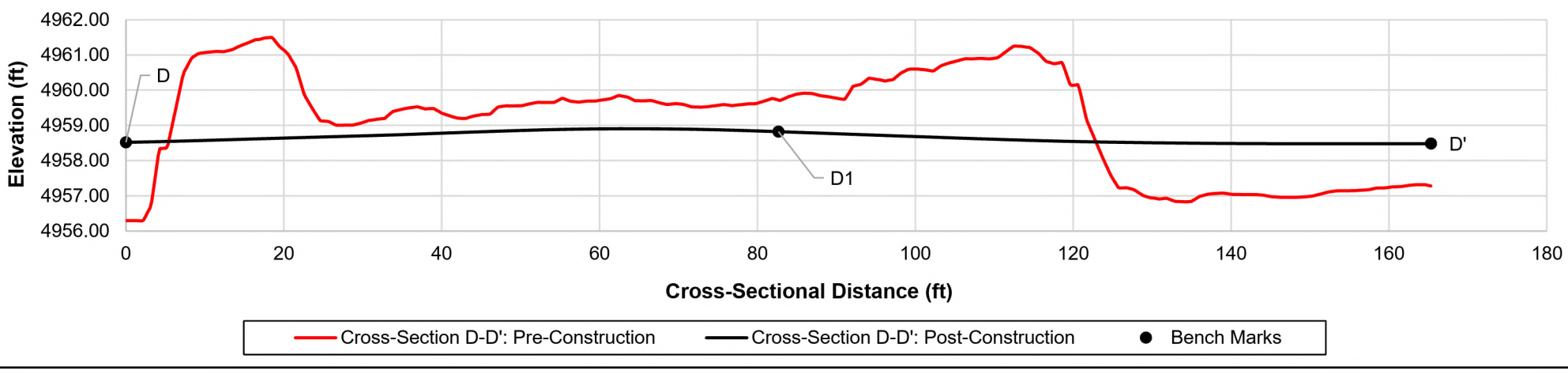
Cross-Section B-B'



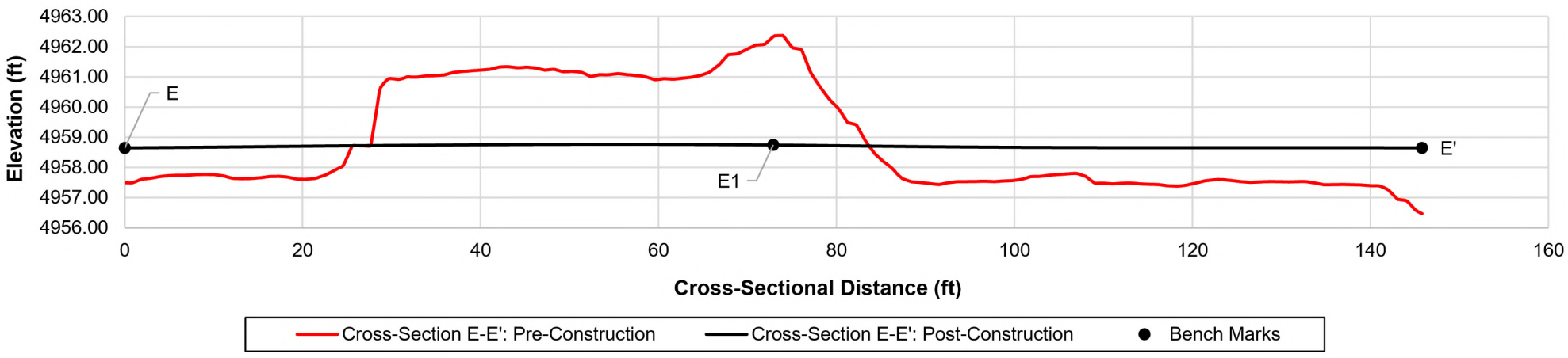
Cross-Section C-C'



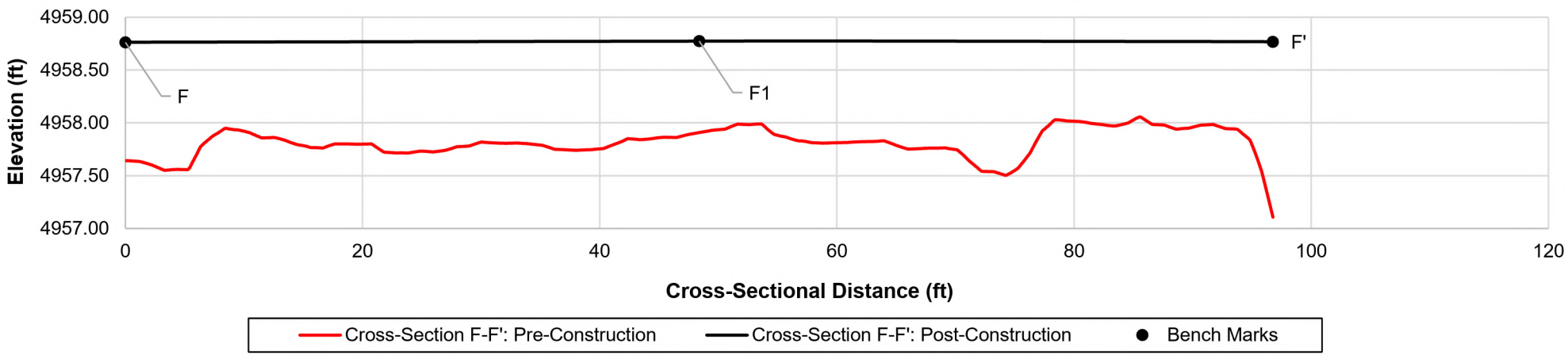
Cross-Section D-D'



Cross-Section E-E'



Cross-Section F-F'

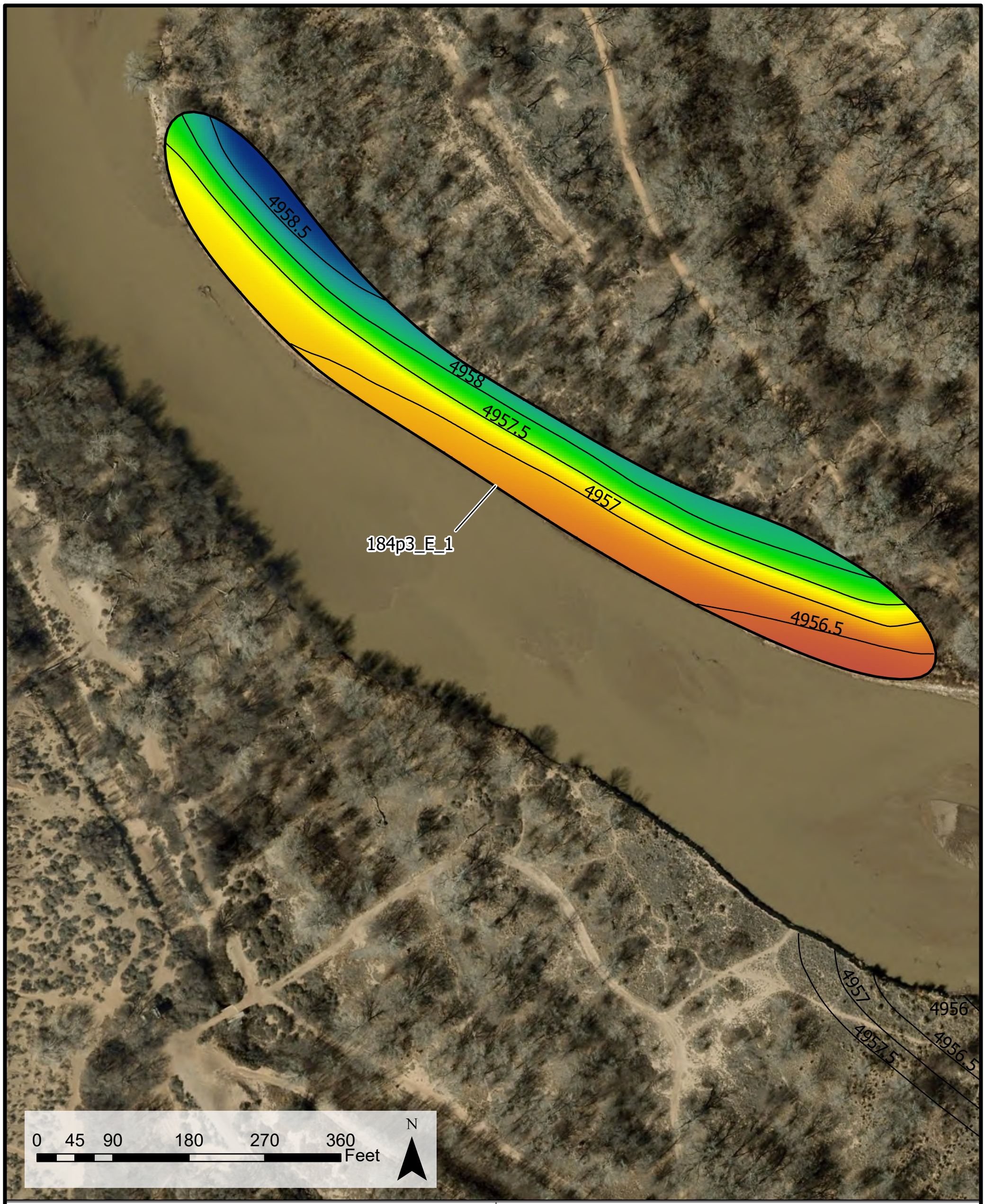


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through F represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4958.89

4956.29

Title

Site 184p3_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

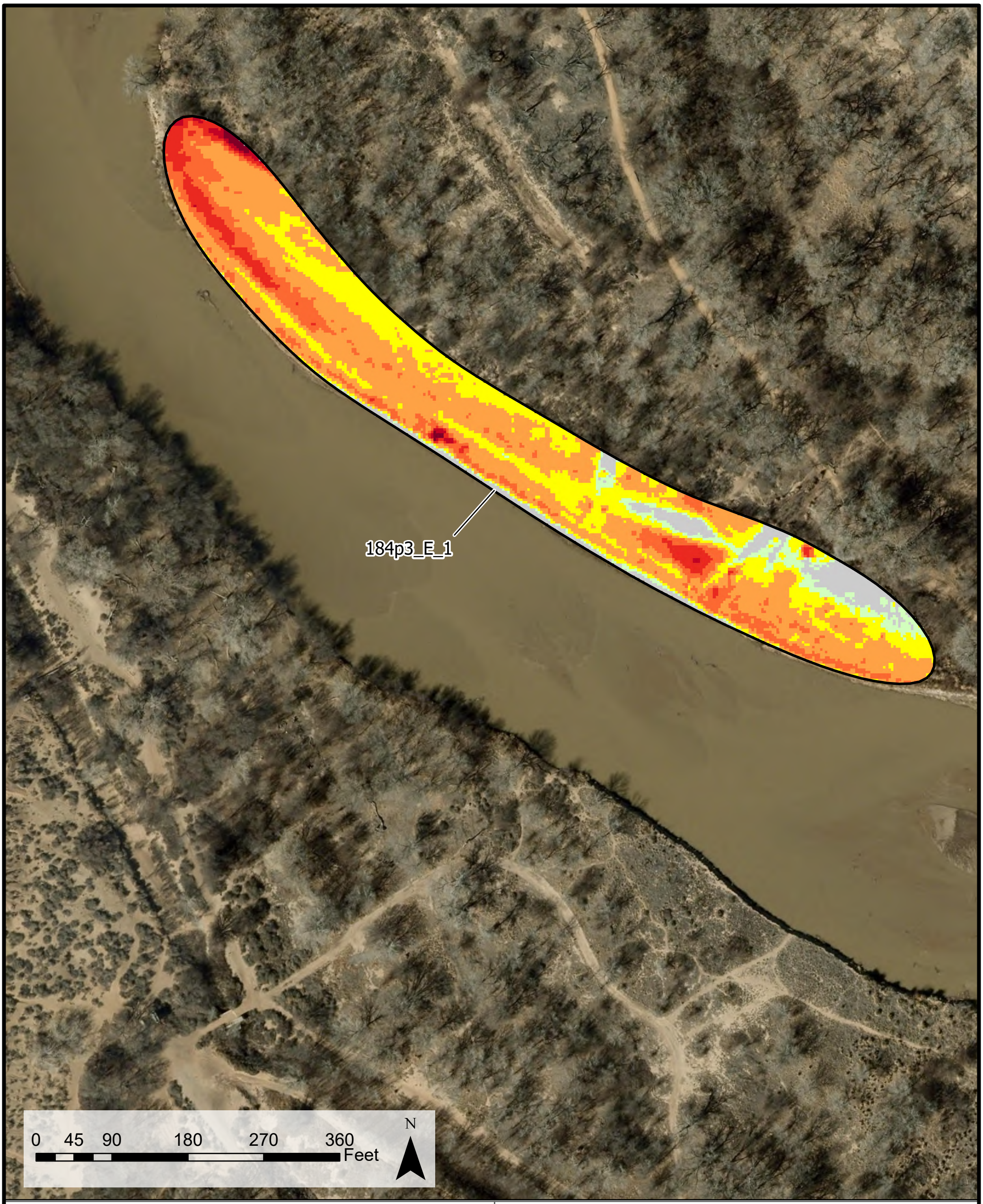
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.5
- 5.5-6.5

Title

Site 184p3_E_1 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

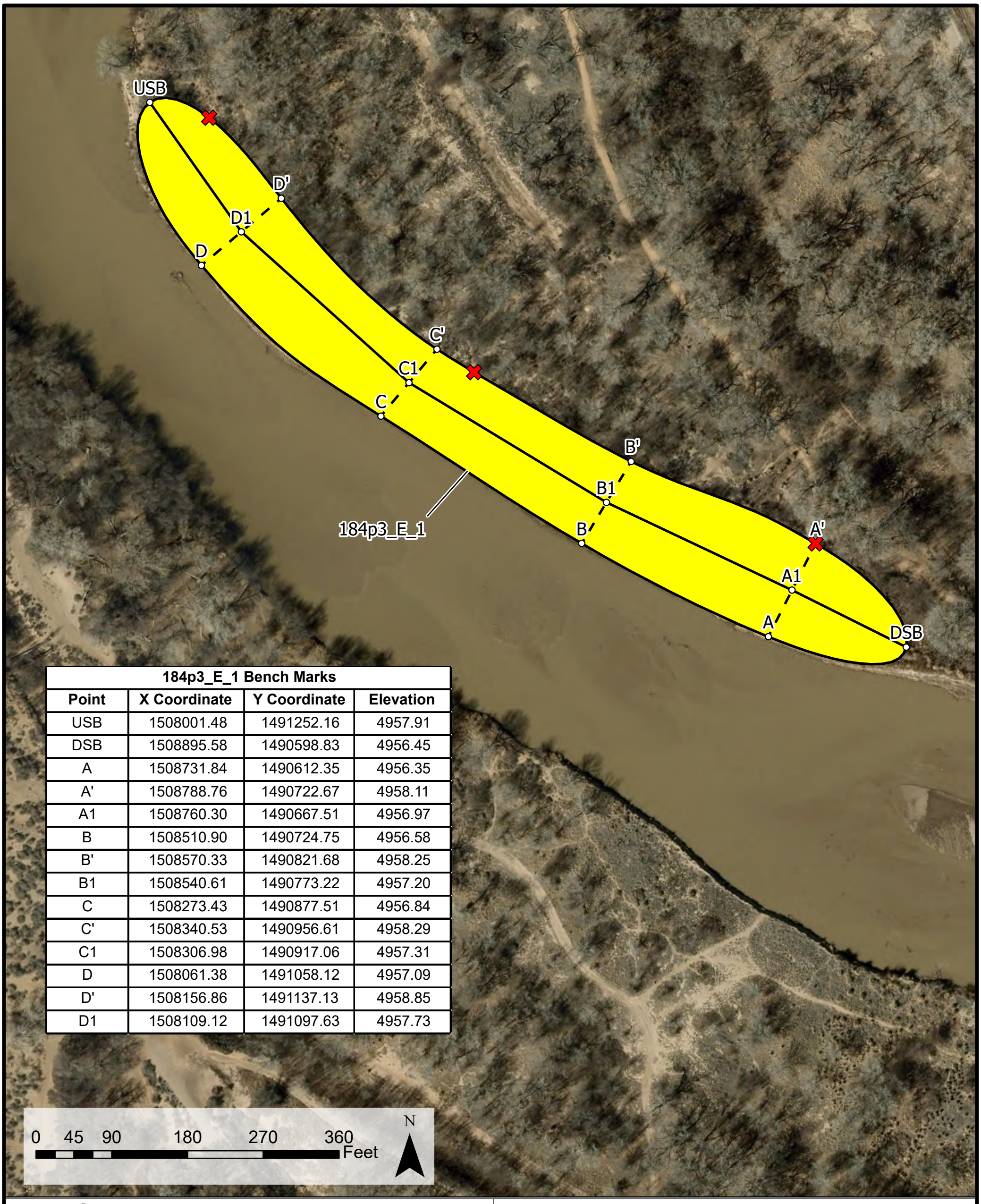
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



184p3_E_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1508001.48	1491252.16	4957.91
DSB	1508895.58	1490598.83	4956.45
A	1508731.84	1490612.35	4956.35
A'	1508788.76	1490722.67	4958.11
A1	1508760.30	1490667.51	4956.97
B	1508510.90	1490724.75	4956.58
B'	1508570.33	1490821.68	4958.25
B1	1508540.61	1490773.22	4957.20
C	1508273.43	1490877.51	4956.84
C'	1508340.53	1490956.61	4958.29
C1	1508306.98	1490917.06	4957.31
D	1508061.38	1491058.12	4957.09
D'	1508156.86	1491137.13	4958.85
D1	1508109.12	1491097.63	4957.73

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Bankline Modification

Title

Site 184p3_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

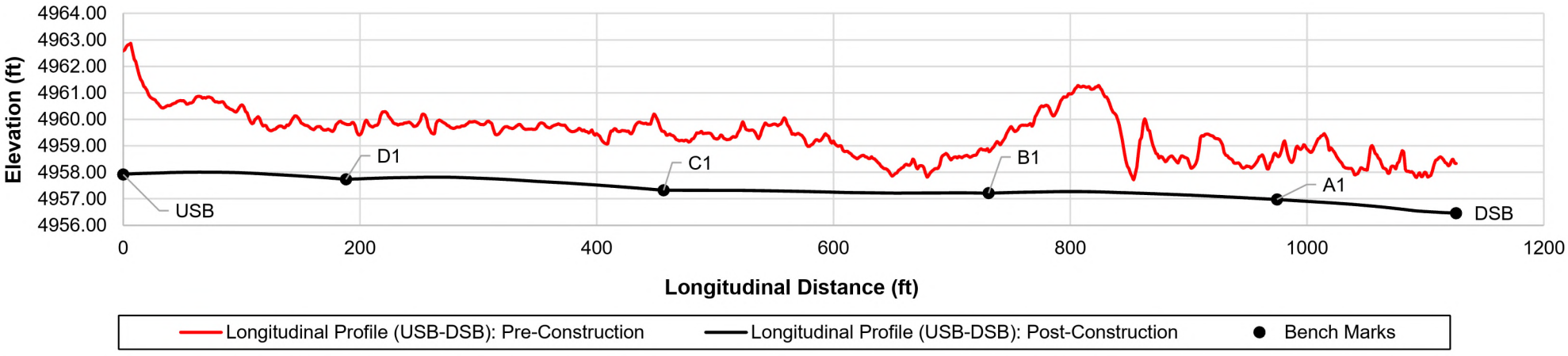
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

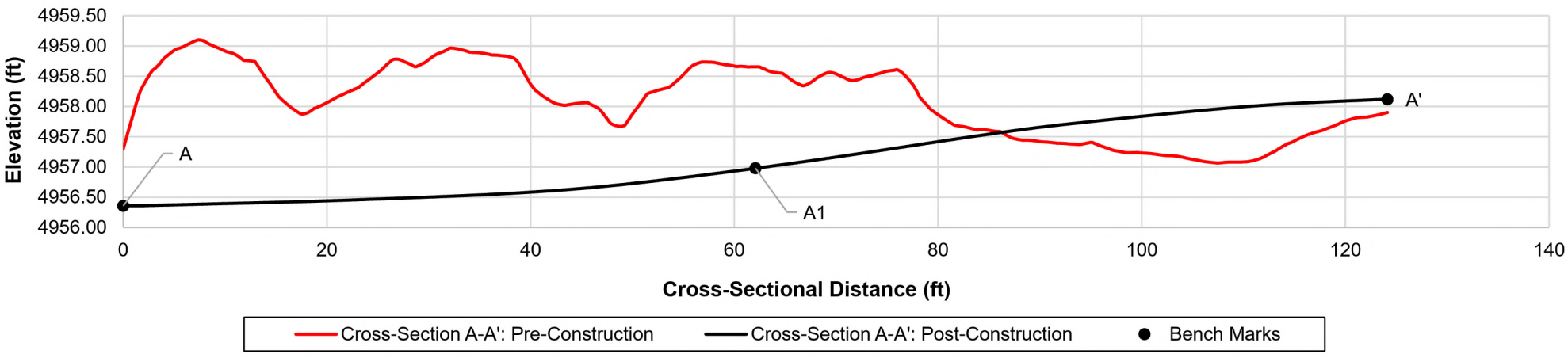
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

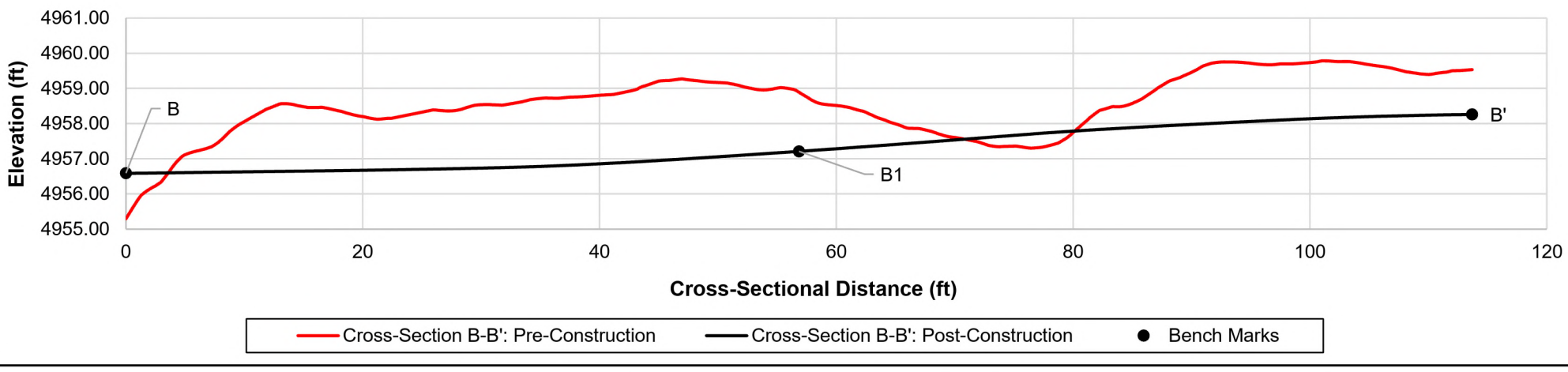
Longitudinal Profile (USB-DSB)



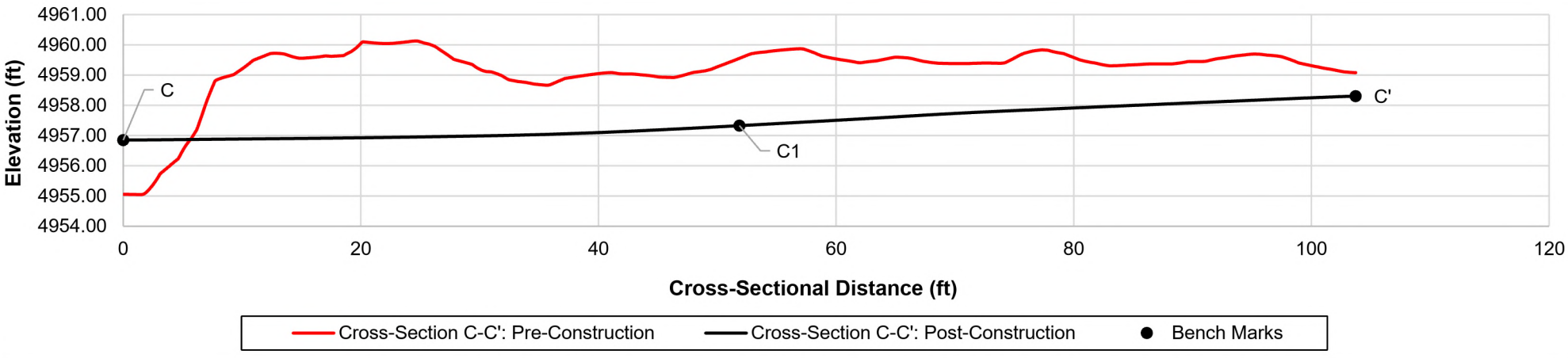
Cross-Section A-A'



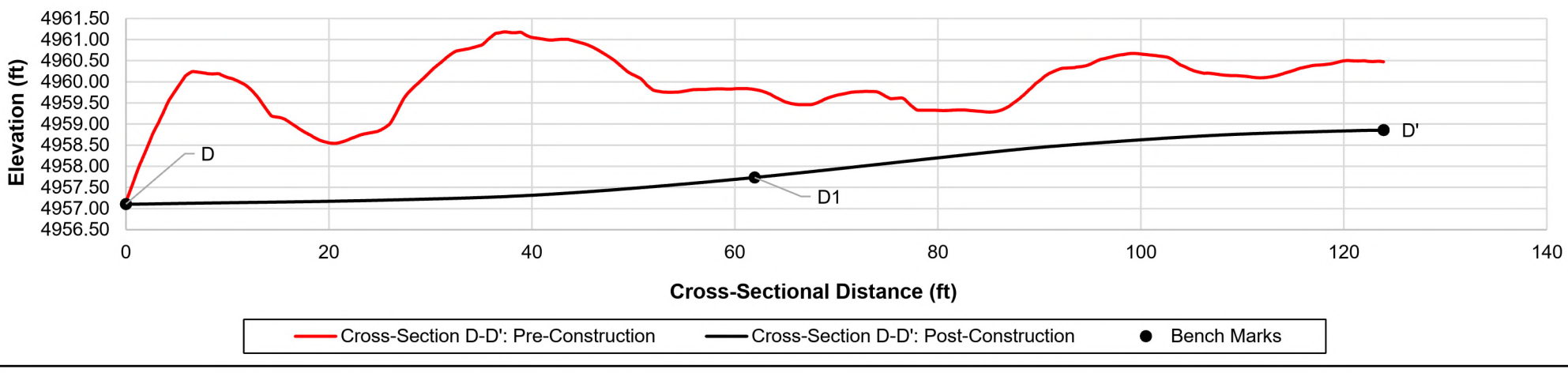
Cross-Section B-B'



Cross-Section C-C'



Cross-Section D-D'

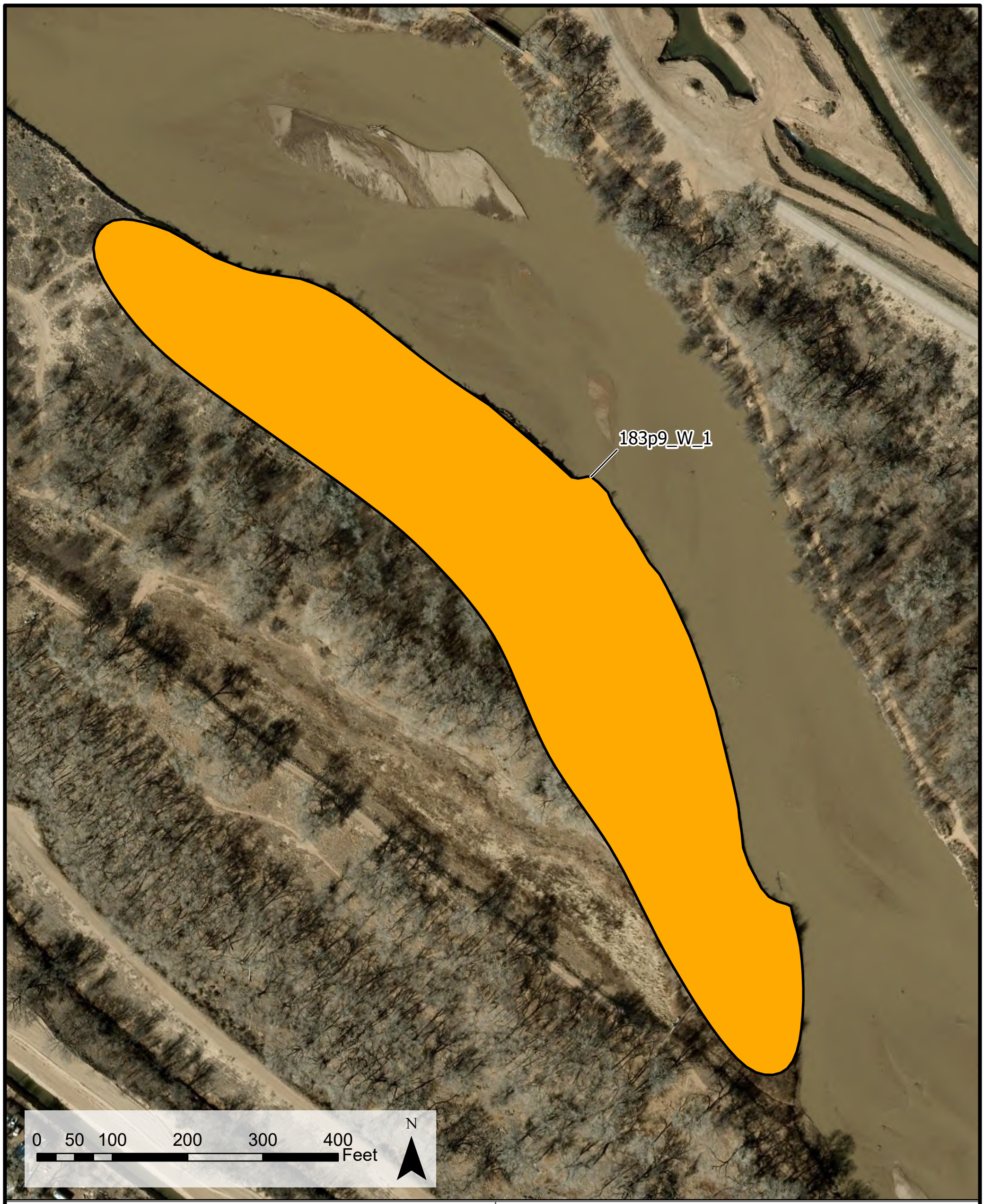


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through D represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
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- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

HR Features

Vegetation Removal

Title
Site 183p9_W_1: Vegetation Treatment Only

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

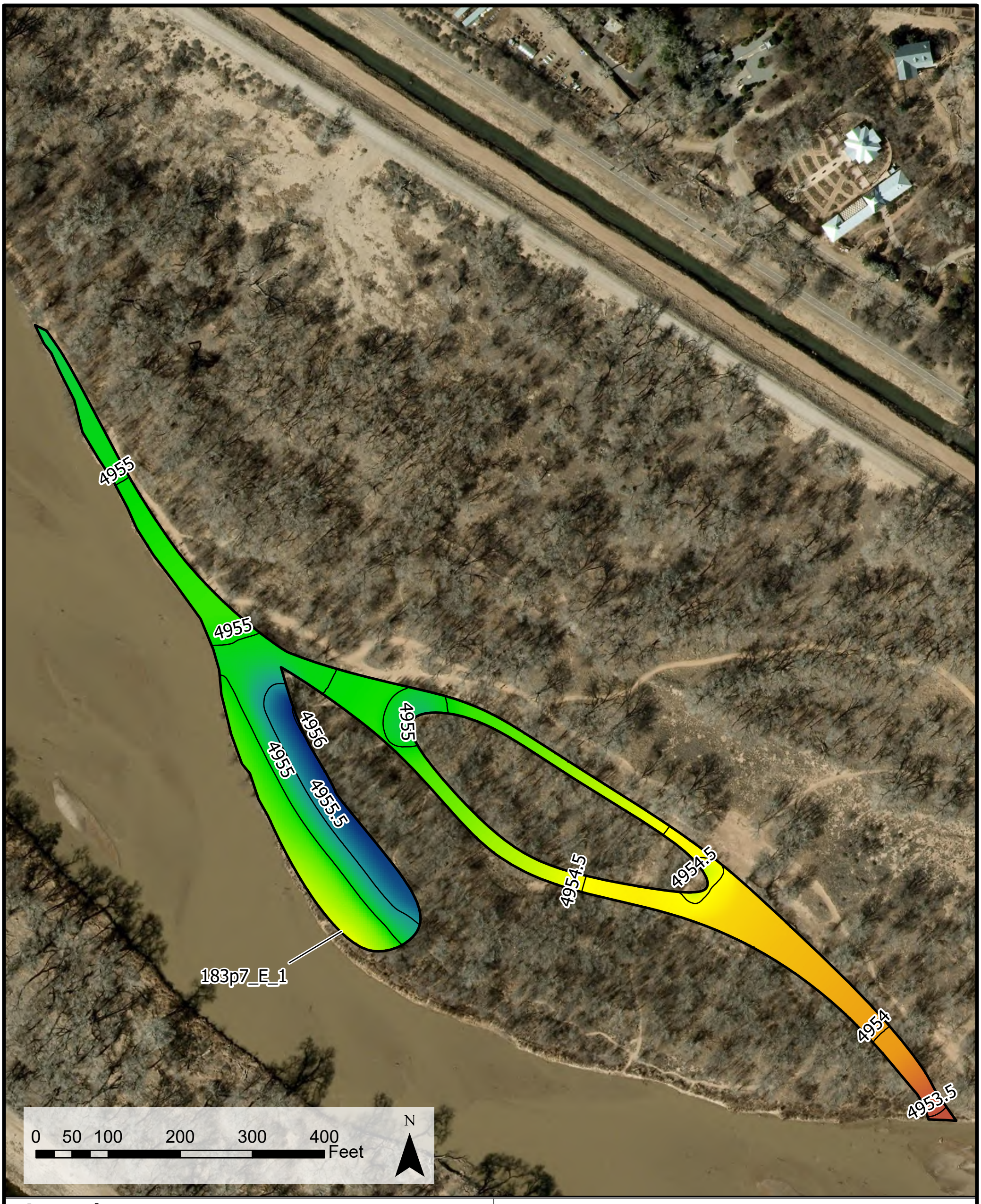
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4956.05

4953.42

Title

Site 183p7_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

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183p7_E_1

0 50 100 200 300 400 Feet

N

Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.4

Title

Site 183p7_E_1 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

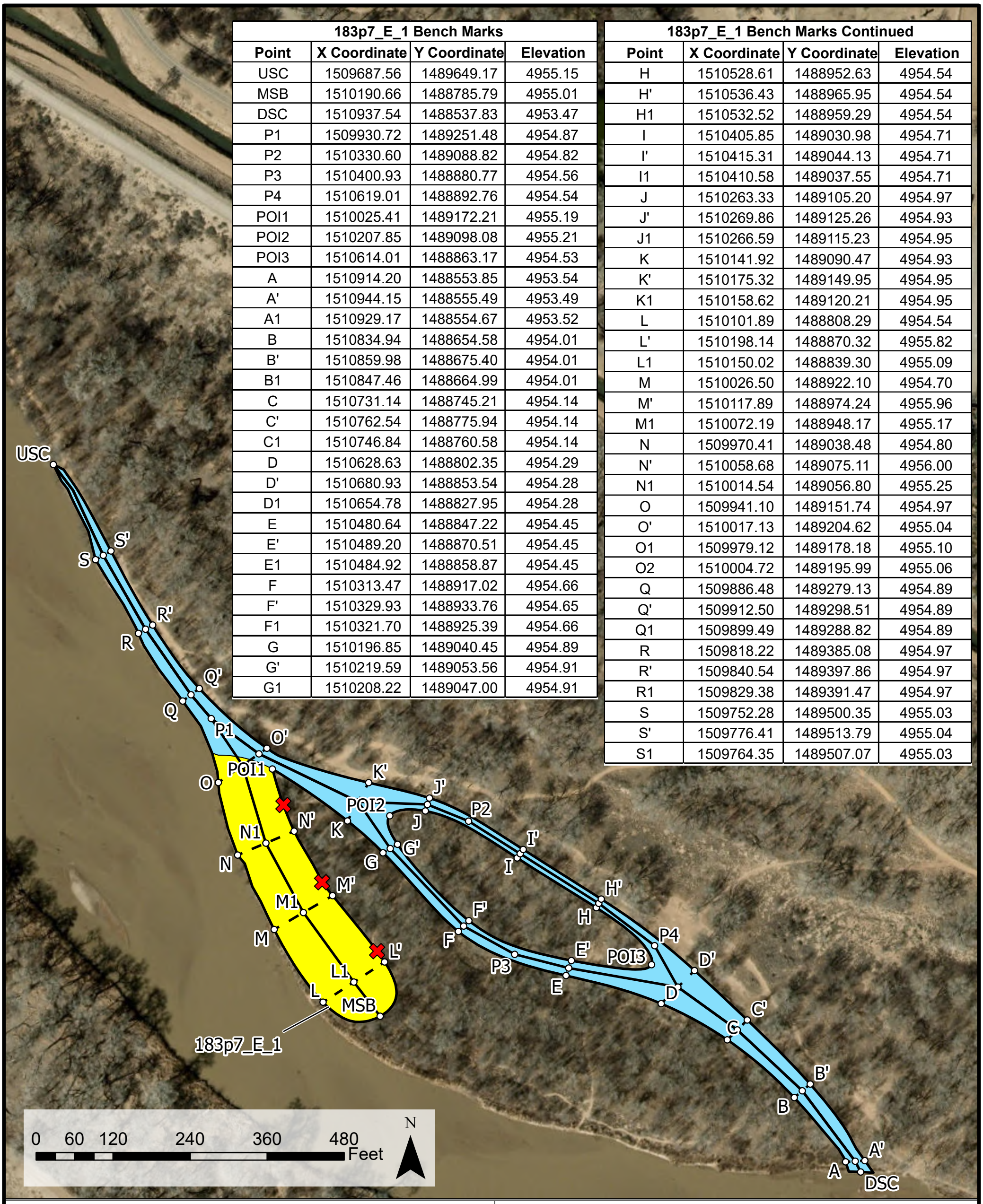
GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

183p7_E_1 Bench Marks			
Point	X Coordinate	Y Coordinate	Elevation
USC	1509687.56	1489649.17	4955.15
MSB	1510190.66	1488785.79	4955.01
DSC	1510937.54	1488537.83	4953.47
P1	1509930.72	1489251.48	4954.87
P2	1510330.60	1489088.82	4954.82
P3	1510400.93	1488880.77	4954.56
P4	1510619.01	1488892.76	4954.54
POI1	1510025.41	1489172.21	4955.19
POI2	1510207.85	1489098.08	4955.21
POI3	1510614.01	1488863.17	4954.53
A	1510914.20	1488553.85	4953.54
A'	1510944.15	1488555.49	4953.49
A1	1510929.17	1488554.67	4953.52
B	1510834.94	1488654.58	4954.01
B'	1510859.98	1488675.40	4954.01
B1	1510847.46	1488664.99	4954.01
C	1510731.14	1488745.21	4954.14
C'	1510762.54	1488775.94	4954.14
C1	1510746.84	1488760.58	4954.14
D	1510628.63	1488802.35	4954.29
D'	1510680.93	1488853.54	4954.28
D1	1510654.78	1488827.95	4954.28
E	1510480.64	1488847.22	4954.45
E'	1510489.20	1488870.51	4954.45
E1	1510484.92	1488858.87	4954.45
F	1510313.47	1488917.02	4954.66
F'	1510329.93	1488933.76	4954.65
F1	1510321.70	1488925.39	4954.66
G	1510196.85	1489040.45	4954.89
G'	1510219.59	1489053.56	4954.91
G1	1510208.22	1489047.00	4954.91

183p7_E_1 Bench Marks Continued			
Point	X Coordinate	Y Coordinate	Elevation
H	1510528.61	1488952.63	4954.54
H'	1510536.43	1488965.95	4954.54
H1	1510532.52	1488959.29	4954.54
I	1510405.85	1489030.98	4954.71
I'	1510415.31	1489044.13	4954.71
I1	1510410.58	1489037.55	4954.71
J	1510263.33	1489105.20	4954.97
J'	1510269.86	1489125.26	4954.93
J1	1510266.59	1489115.23	4954.95
K	1510141.92	1489090.47	4954.93
K'	1510175.32	1489149.95	4954.95
K1	1510158.62	1489120.21	4954.95
L	1510101.89	1488808.29	4954.54
L'	1510198.14	1488870.32	4955.82
L1	1510150.02	1488839.30	4955.09
M	1510026.50	1488922.10	4954.70
M'	1510117.89	1488974.24	4955.96
M1	1510072.19	1488948.17	4955.17
N	1509970.41	1489038.48	4954.80
N'	1510058.68	1489075.11	4956.00
N1	1510014.54	1489056.80	4955.25
O	1509941.10	1489151.74	4954.97
O'	1510017.13	1489204.62	4955.04
O1	1509979.12	1489178.18	4955.10
O2	1510004.72	1489195.99	4955.06
Q	1509886.48	1489279.13	4954.89
Q'	1509912.50	1489298.51	4954.89
Q1	1509899.49	1489288.82	4954.89
R	1509818.22	1489385.08	4954.97
R'	1509840.54	1489397.86	4954.97
R1	1509829.38	1489391.47	4954.97
S	1509752.28	1489500.35	4955.03
S'	1509776.41	1489513.79	4955.04
S1	1509764.35	1489507.07	4955.03



Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Bankline Modification
- Flowthrough Channel

Title
Site 183p7_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

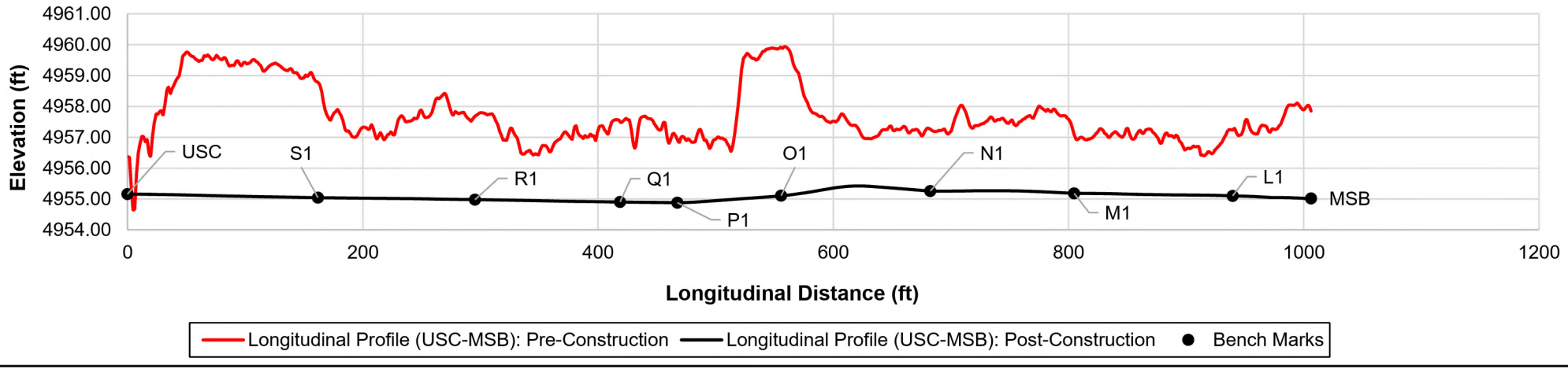
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

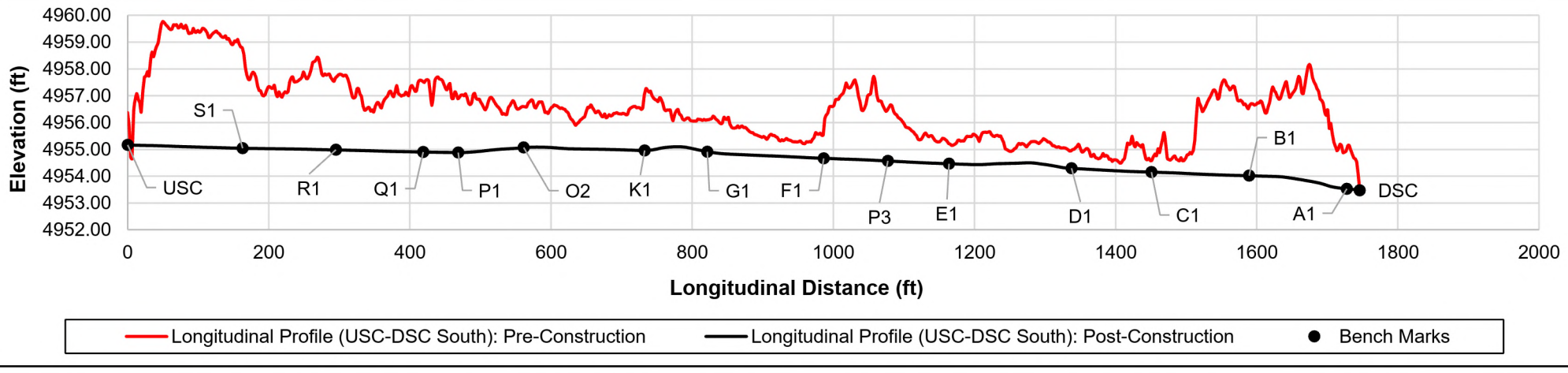
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

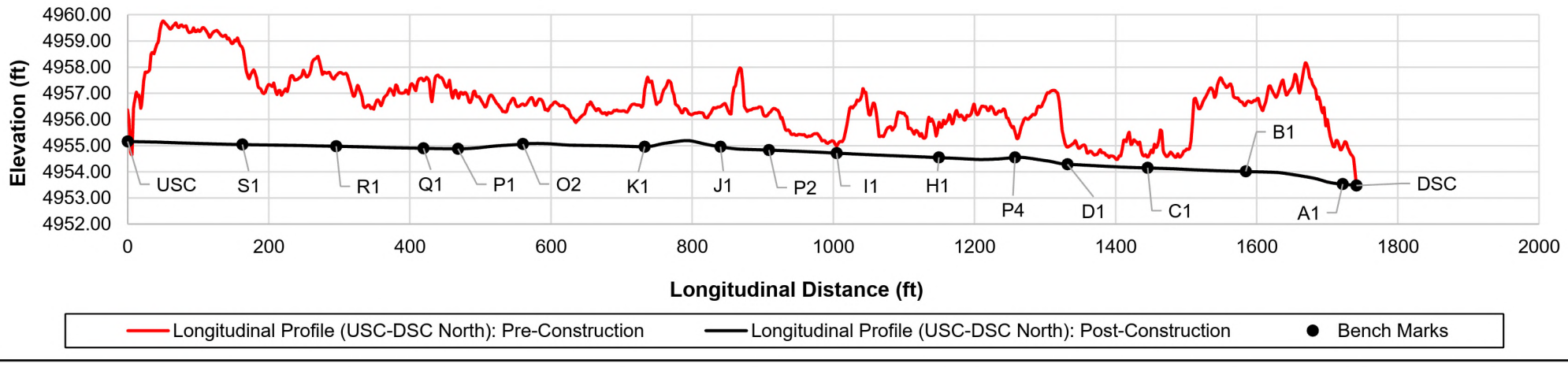
Longitudinal Profile (USC-MSB)



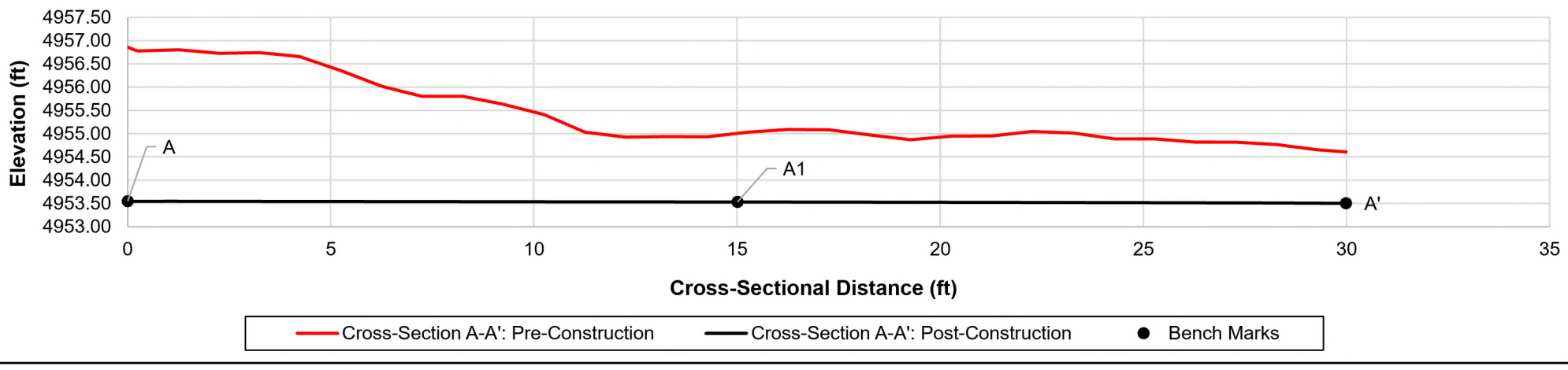
Longitudinal Profile (USC-DSC South)



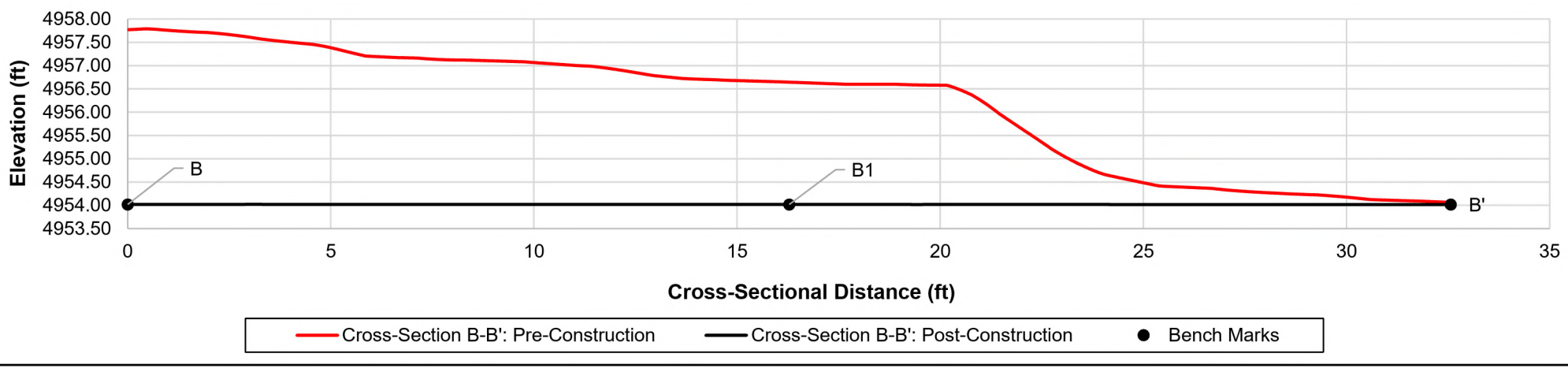
Longitudinal Profile (USC-DSC North)



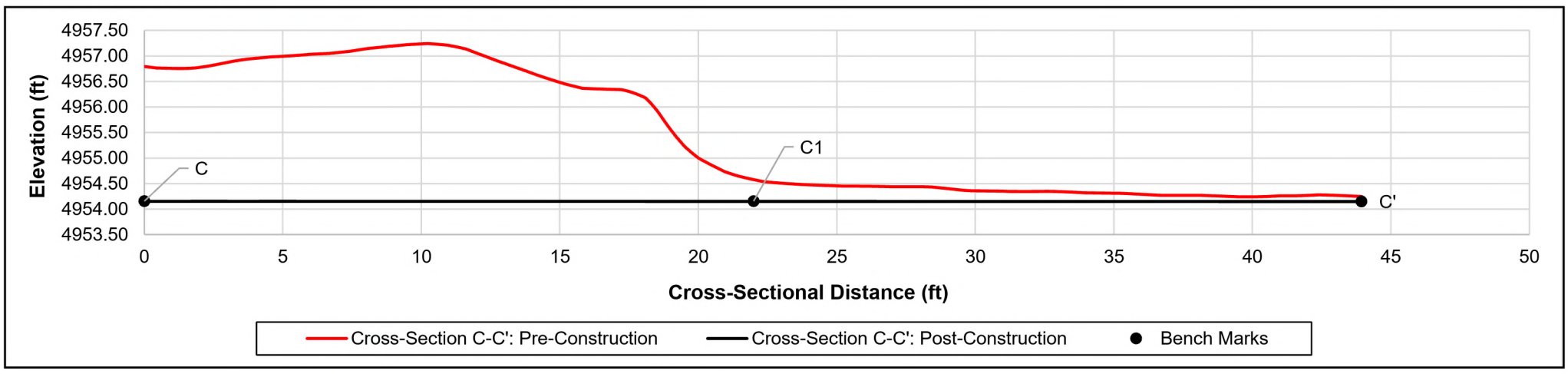
Cross-Section A-A'



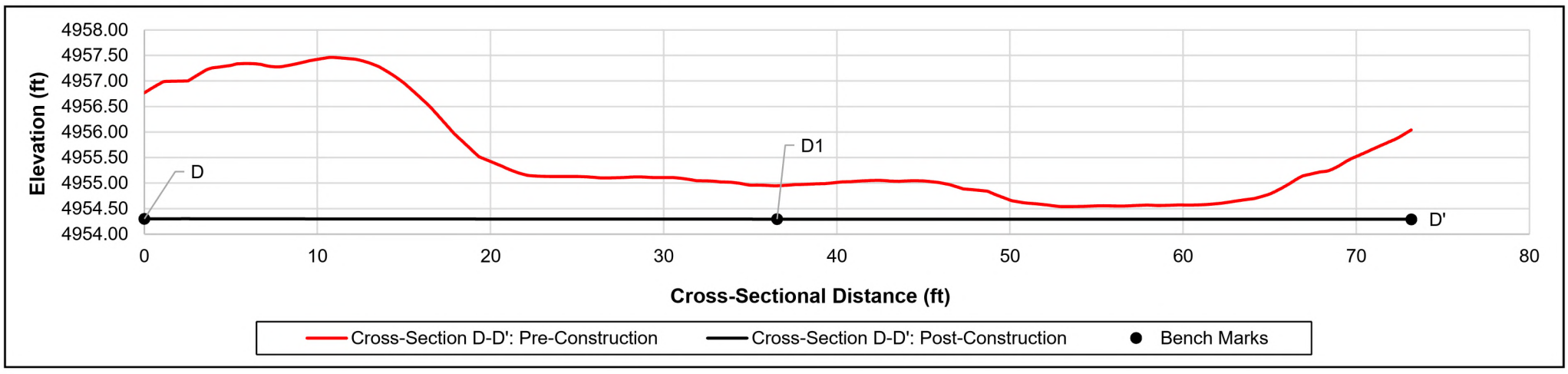
Cross-Section B-B'



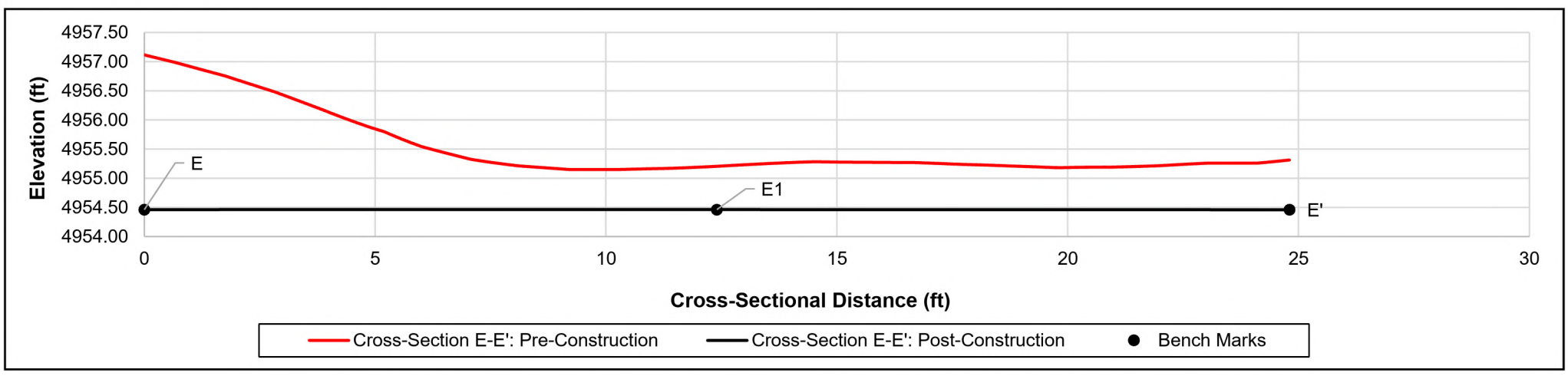
Cross-Section C-C'



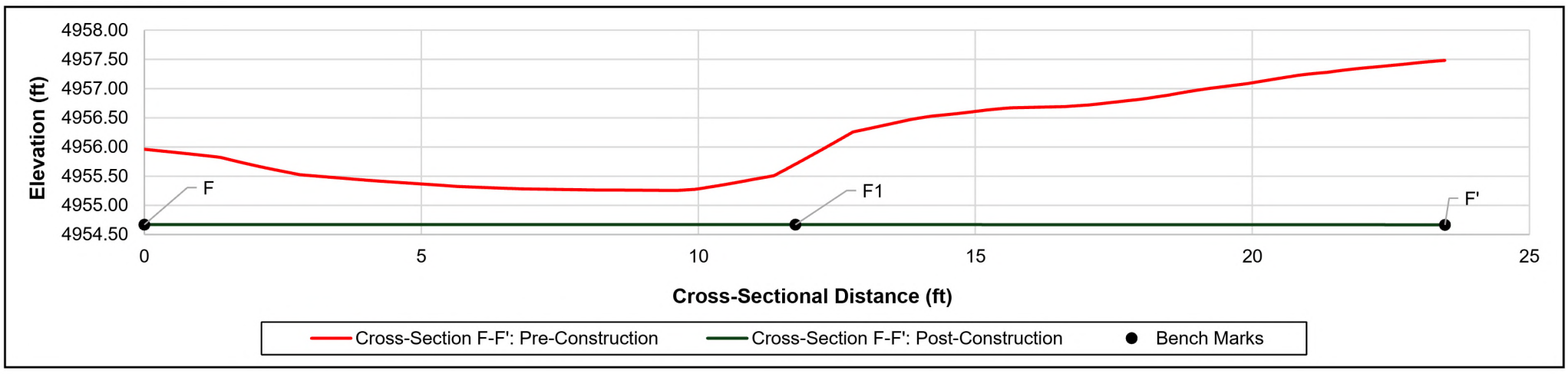
Cross-Section D-D'



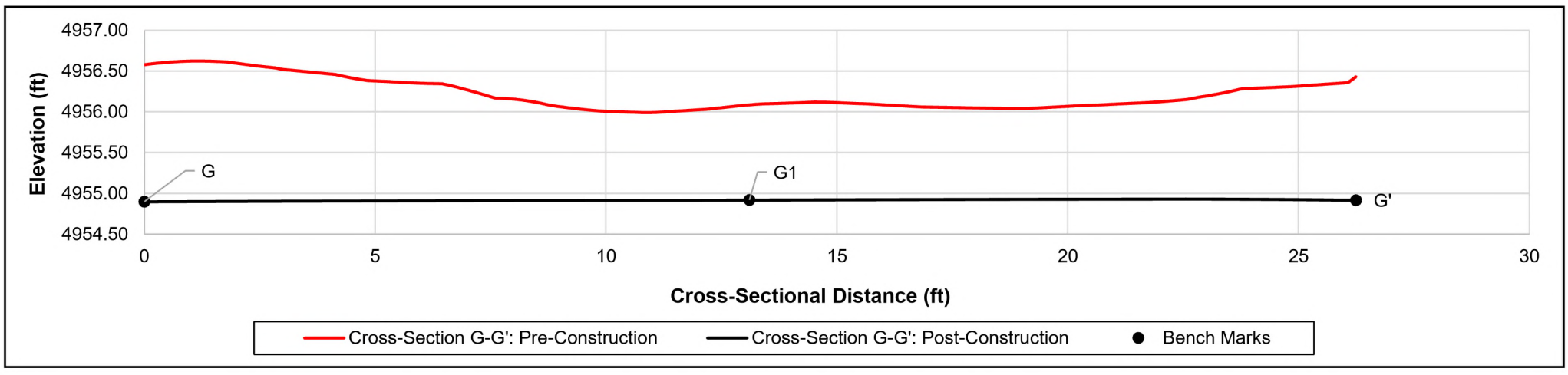
Cross-Section E-E'



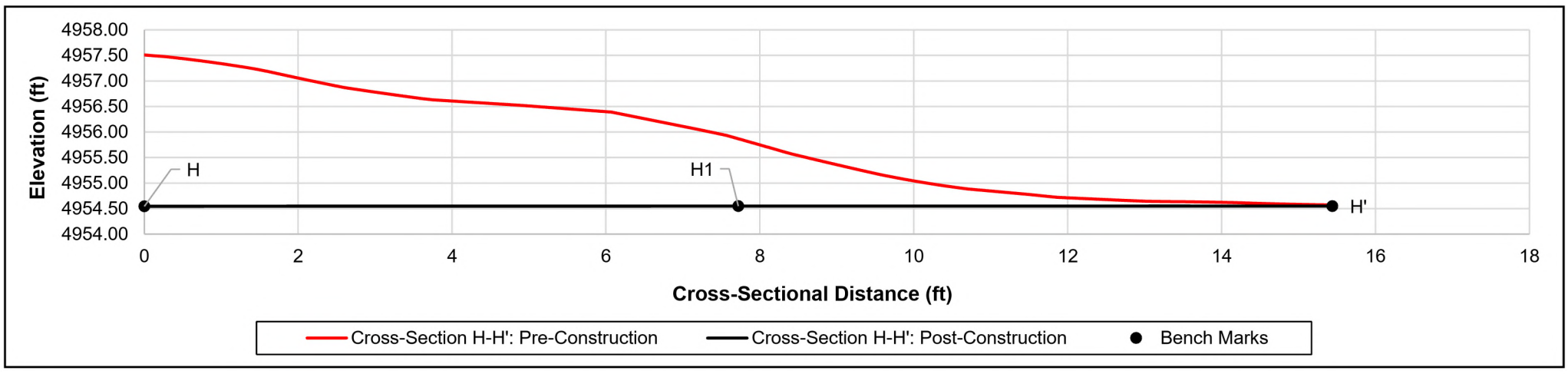
Cross-Section F-F'



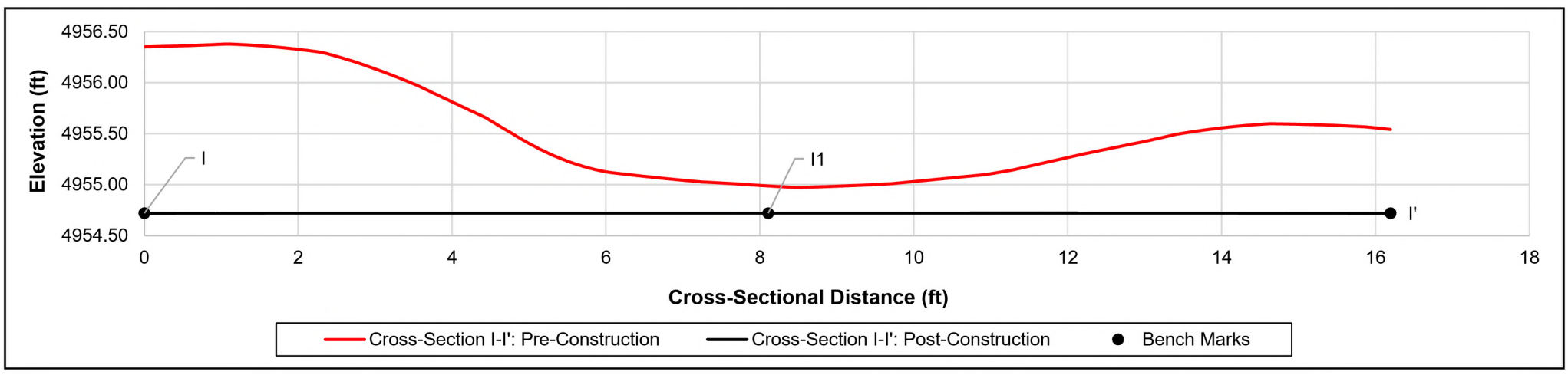
Cross-Section G-G'



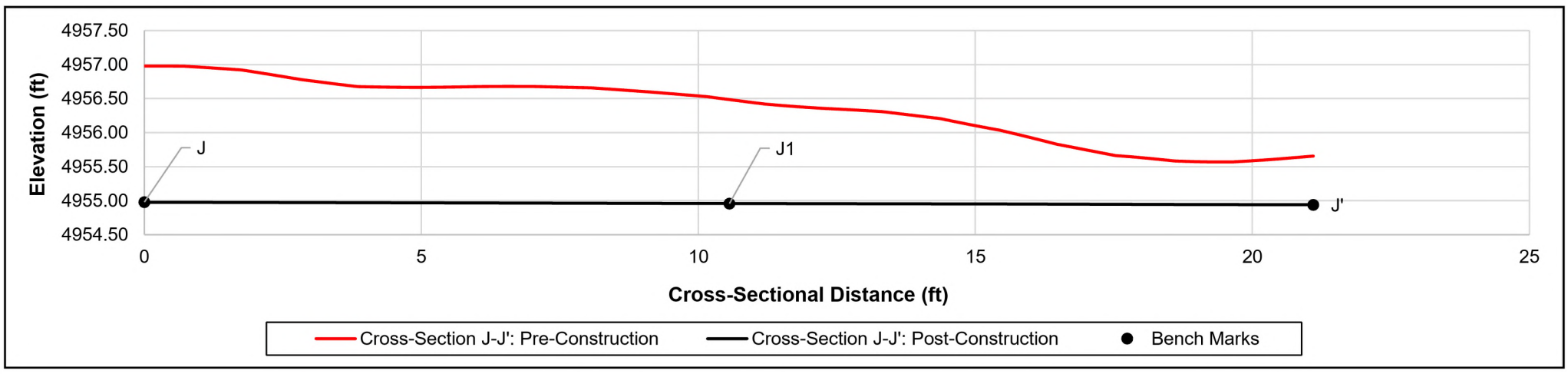
Cross-Section H-H'



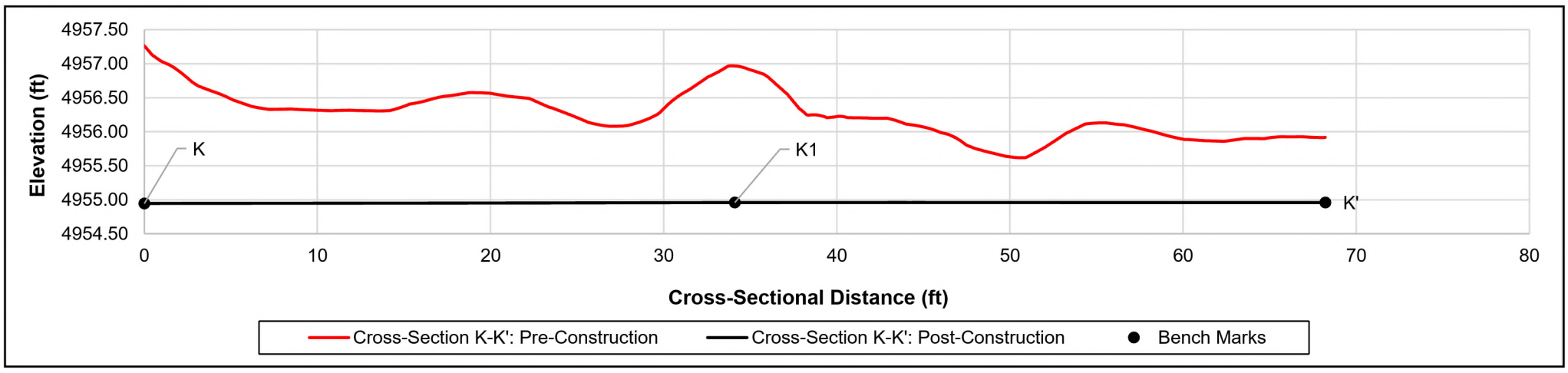
Cross-Section I-I'



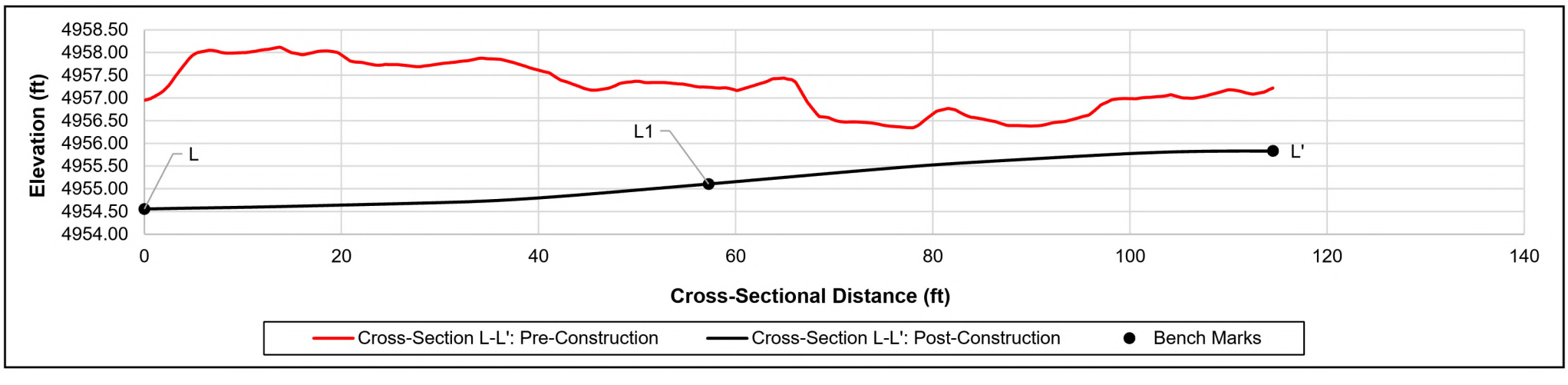
Cross-Section J-J'



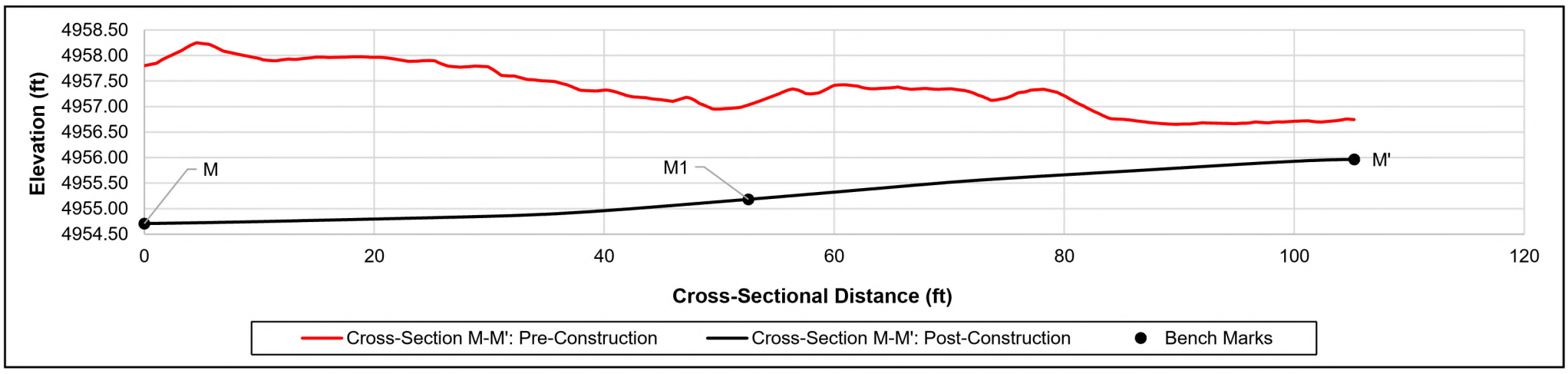
Cross-Section K-K'



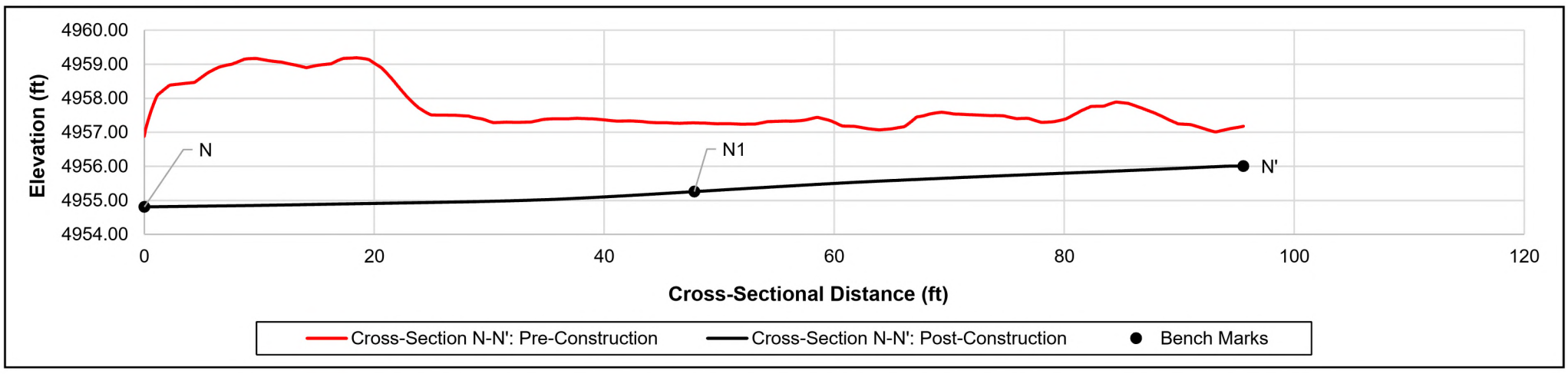
Cross-Section L-L'



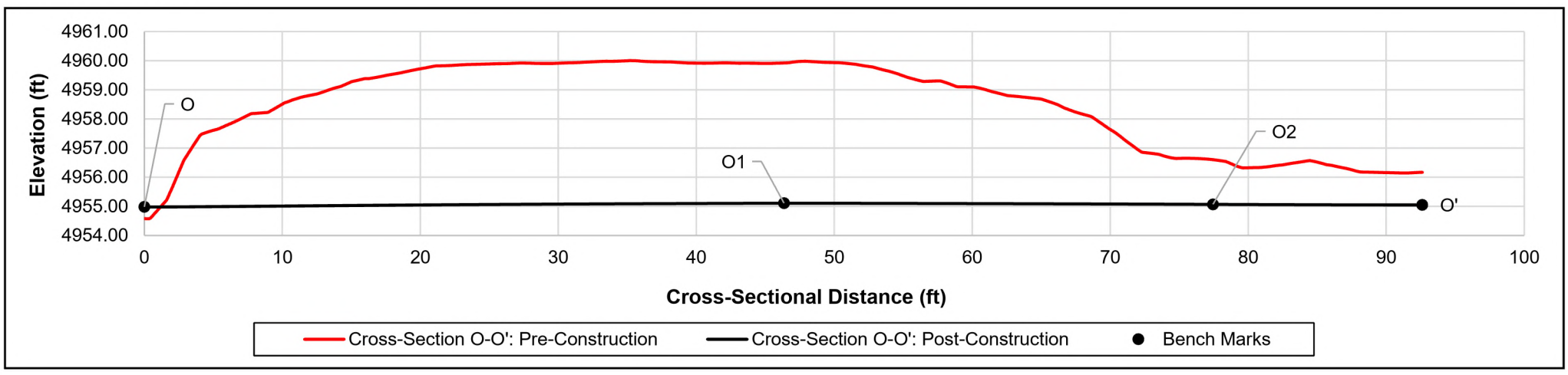
Cross-Section M-M'



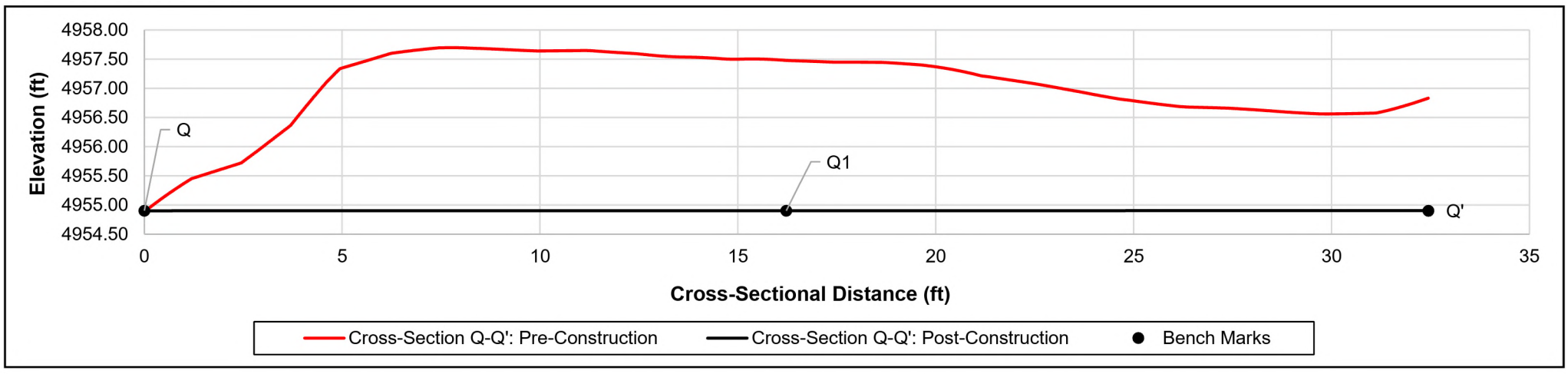
Cross-Section N-N'



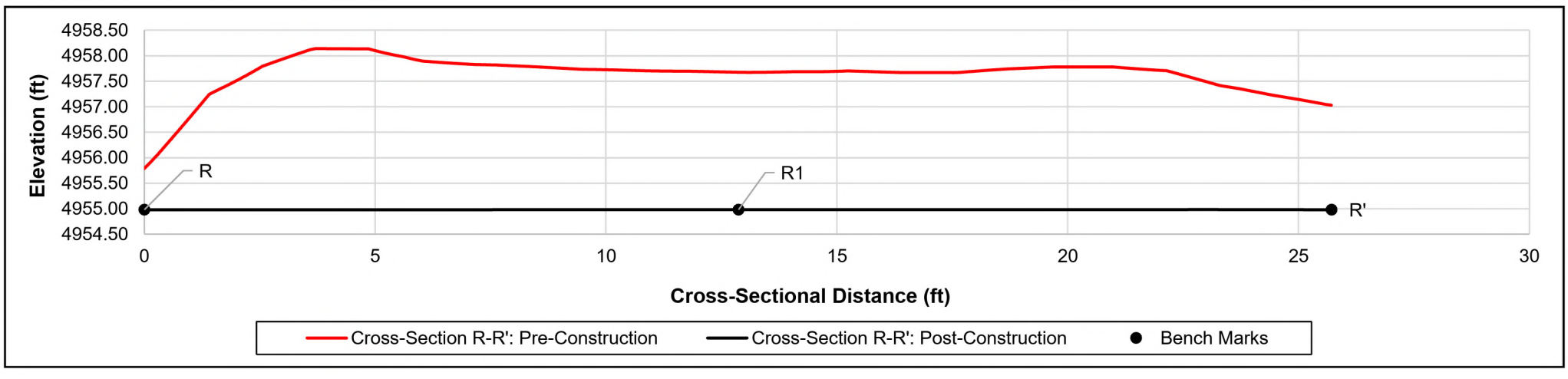
Cross-Section O-O'



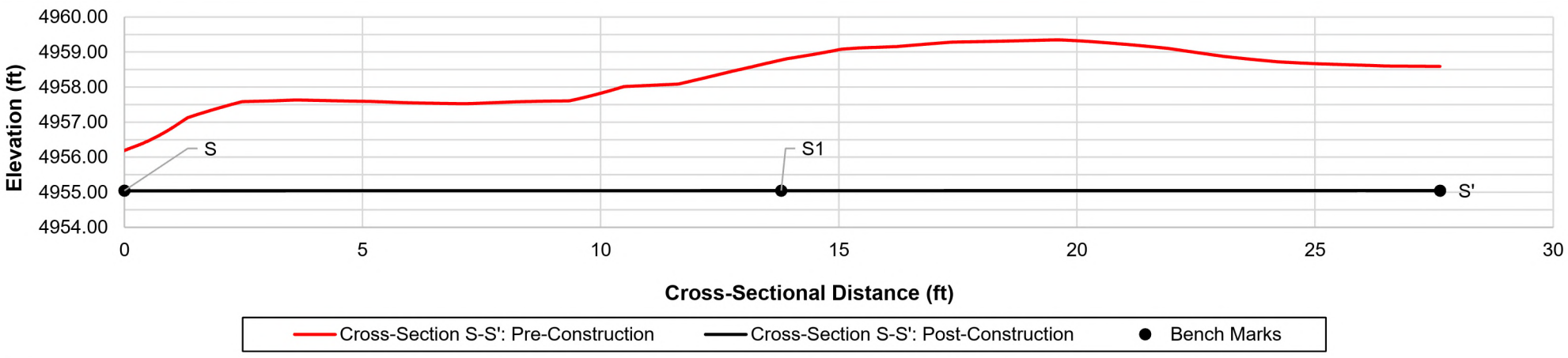
Cross-Section Q-Q'



Cross-Section R-R'



Cross-Section S-S'

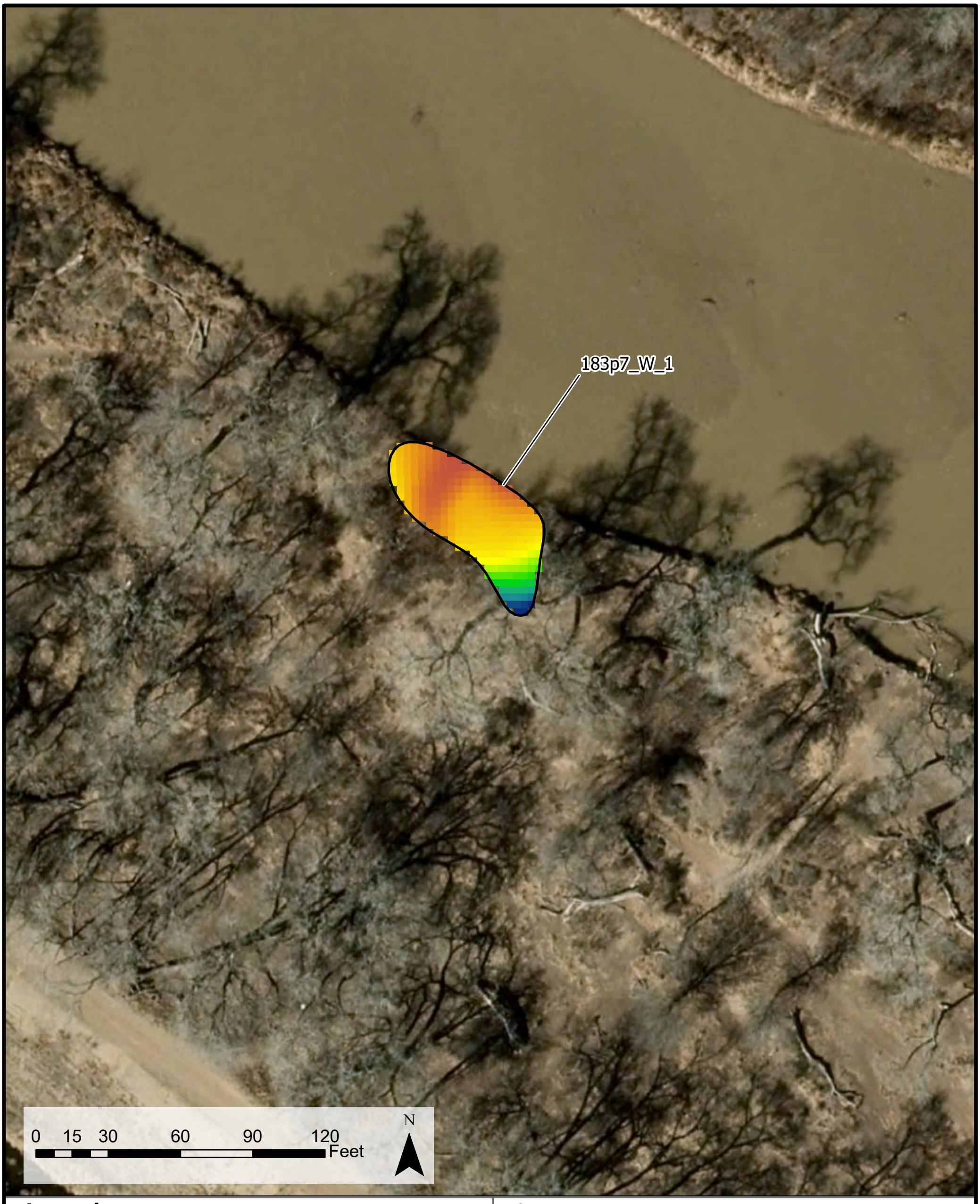


Notes:

USC = Upstream Channel Connection Point, MSB = Mid-Stream Boundary, DSC = Downstream Channel Connection Point, Letter P represents locations where the longitudinal profile pivots, POI = Points of Interest where there is curvature in the feature, Letters A through S represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4954.41

4954.32

Title

Site 183p7_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.7

Title
Site 183p7_W_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

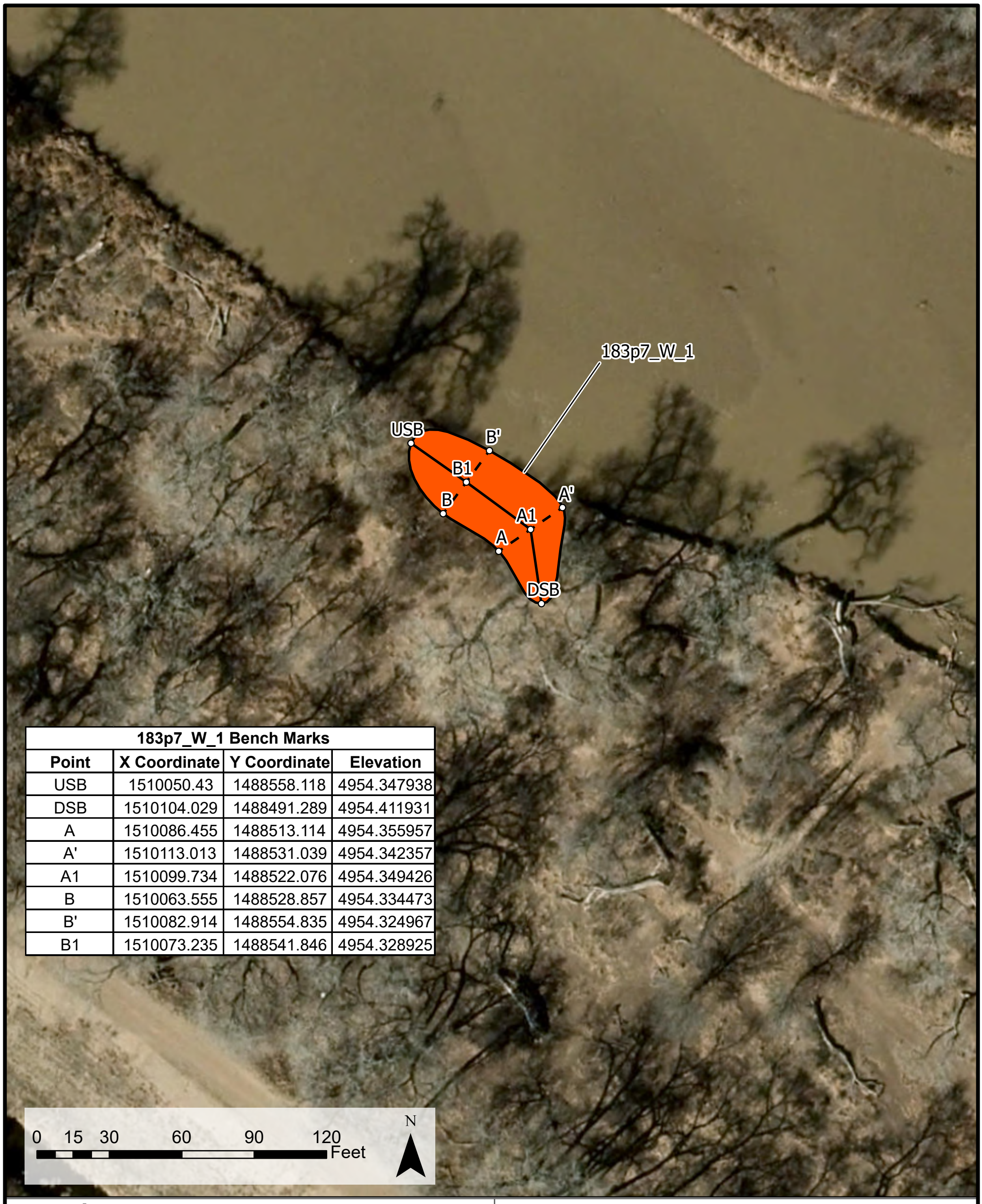
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p7_W_1 Bench Marks			
Point	X Coordinate	Y Coordinate	Elevation
USB	1510050.43	1488558.118	4954.347938
DSB	1510104.029	1488491.289	4954.411931
A	1510086.455	1488513.114	4954.355957
A'	1510113.013	1488531.039	4954.342357
A1	1510099.734	1488522.076	4954.349426
B	1510063.555	1488528.857	4954.334473
B'	1510082.914	1488554.835	4954.324967
B1	1510073.235	1488541.846	4954.328925

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Mouth Cleanout

Title
Site 183p7_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

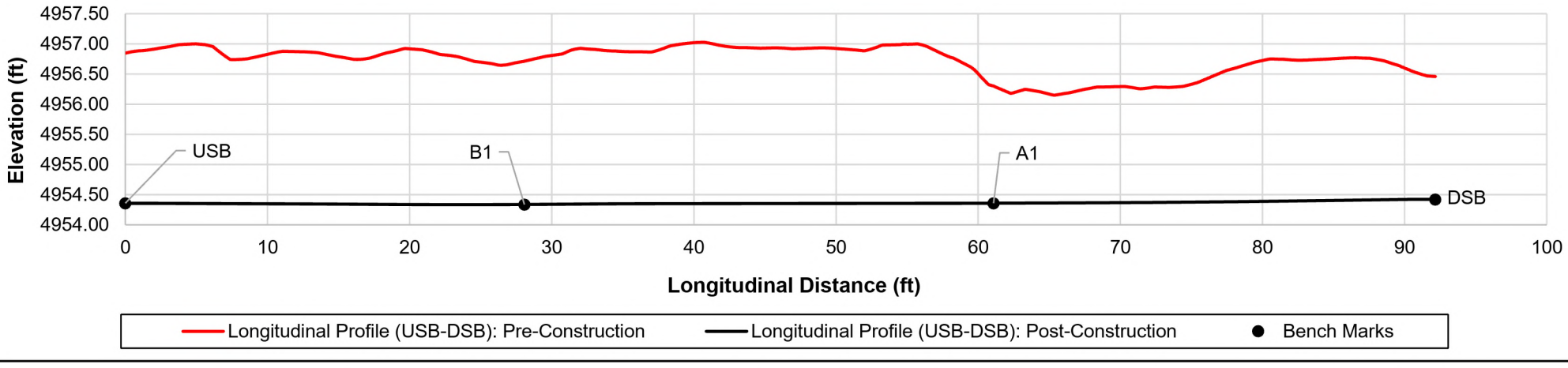
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

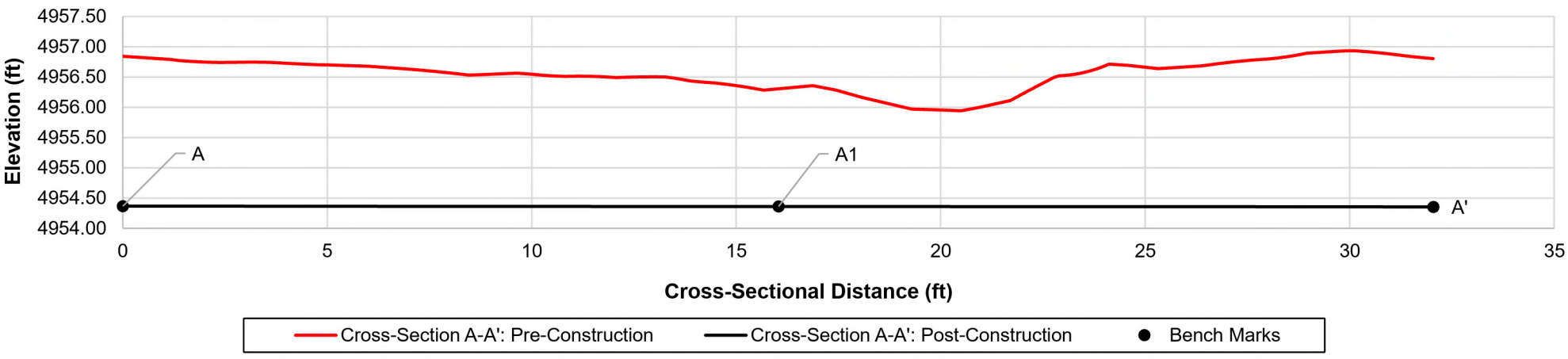
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

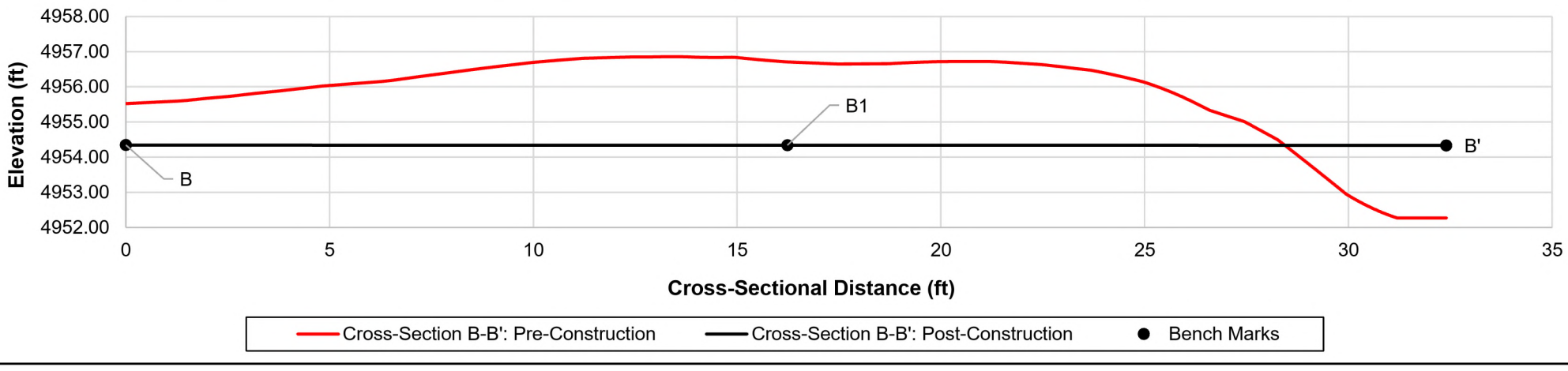
Longitudinal Profile (USB-DSB)



Cross-Section A-A'



Cross-Section B-B'

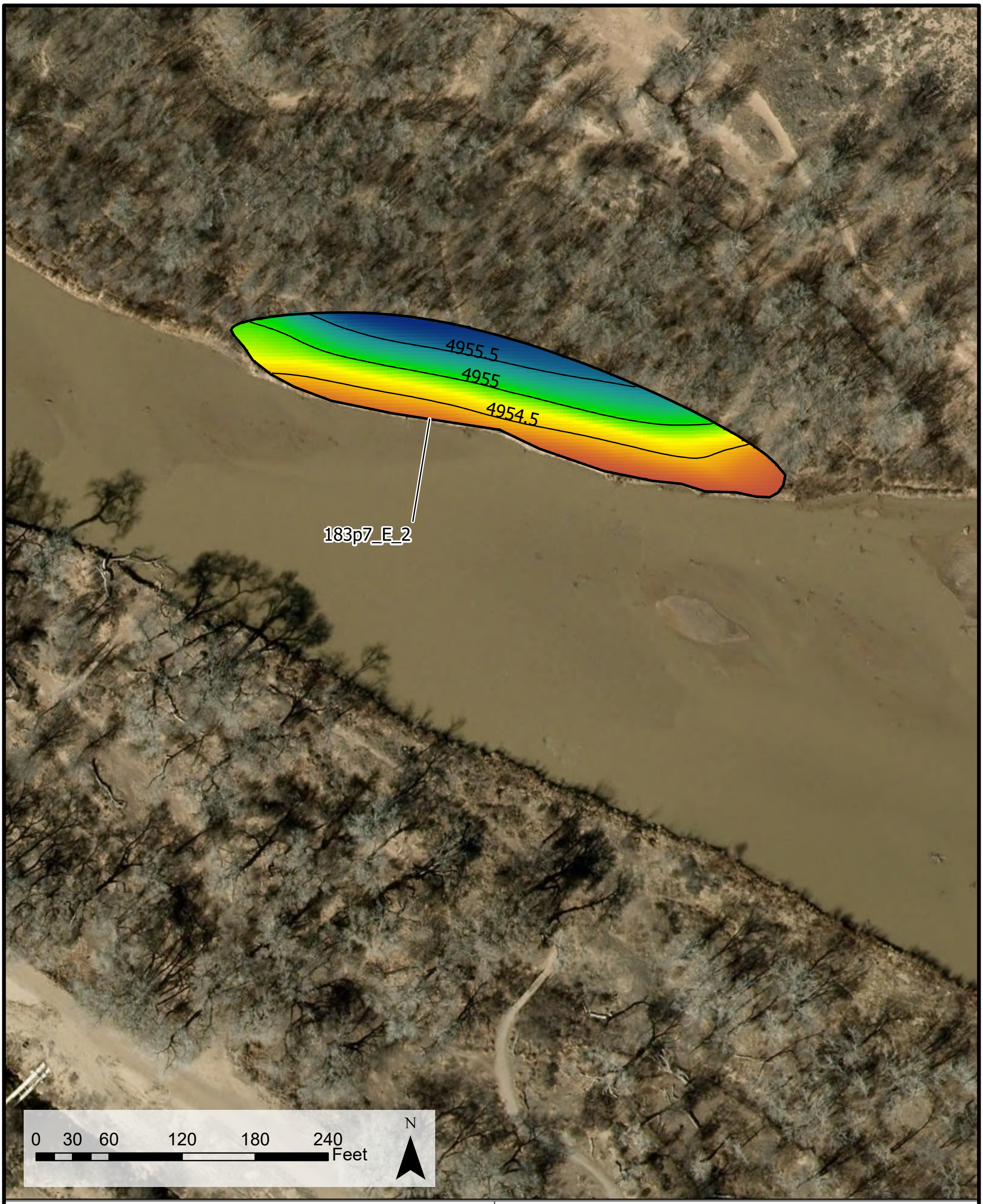


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through B represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
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- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4955.75

4954.03

Title

Site 183p7_E_2 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

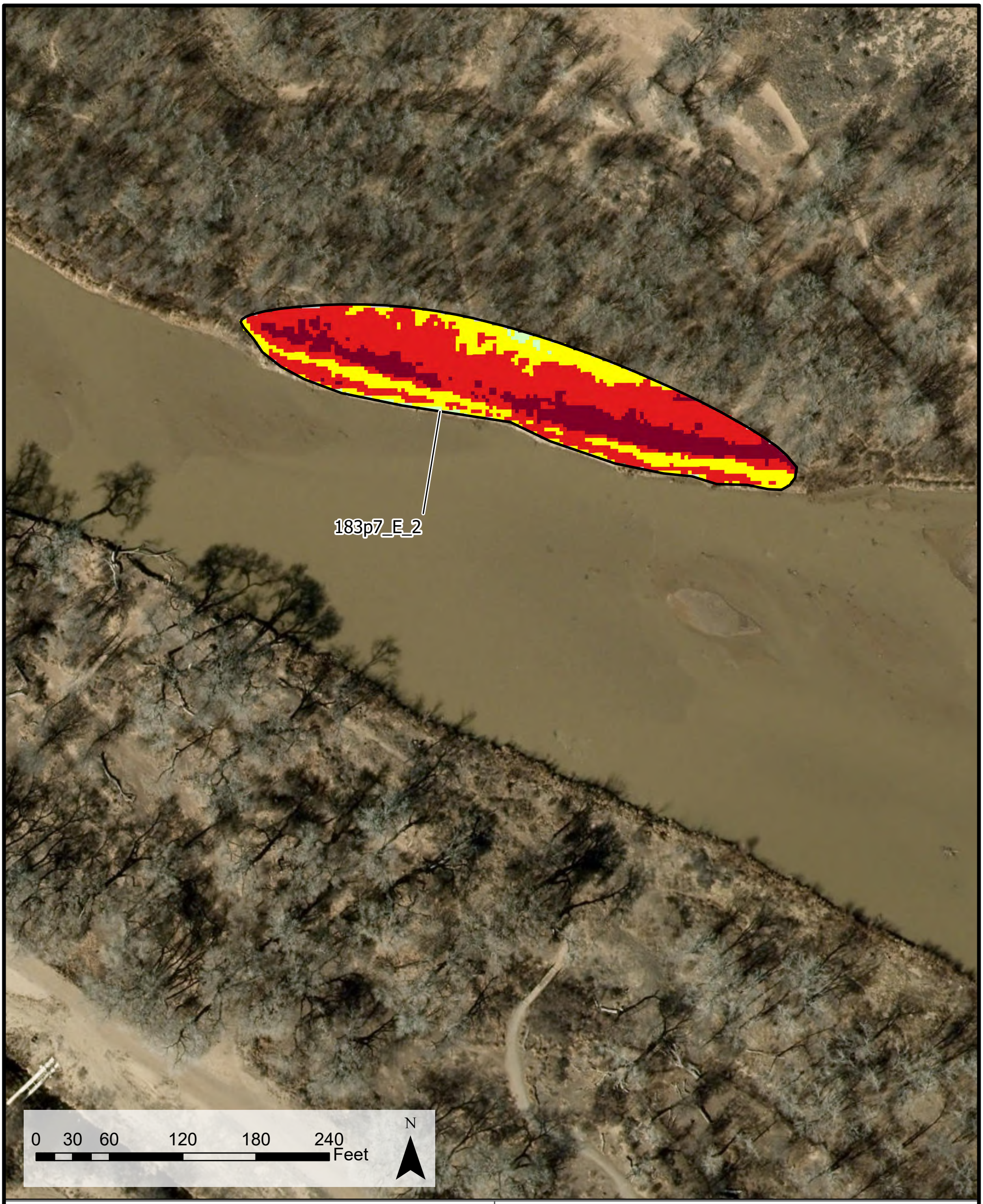
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.5

2.5-3.5

Title

Site 183p7_E_2 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

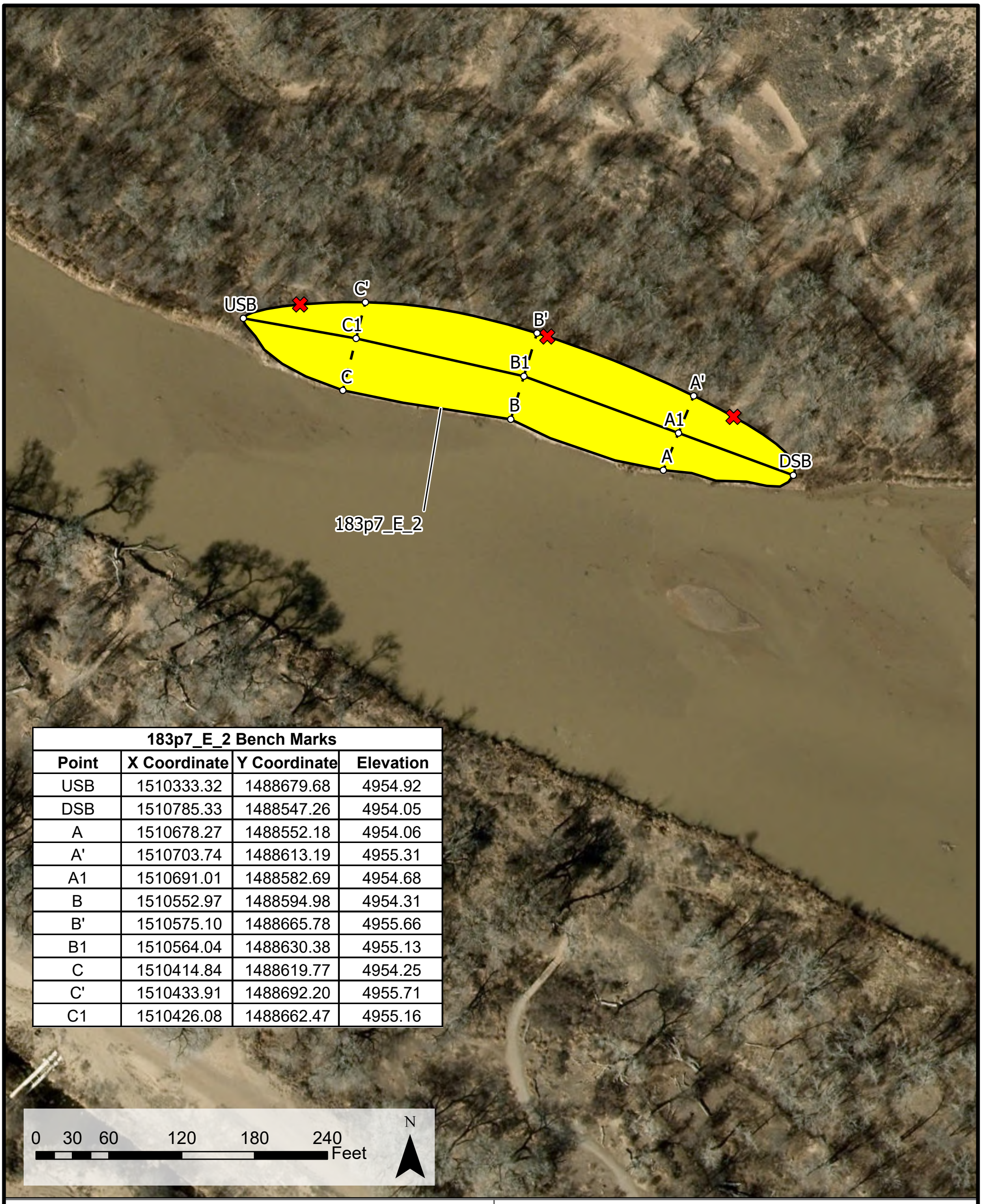
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p7_E_2 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1510333.32	1488679.68	4954.92
DSB	1510785.33	1488547.26	4954.05
A	1510678.27	1488552.18	4954.06
A'	1510703.74	1488613.19	4955.31
A1	1510691.01	1488582.69	4954.68
B	1510552.97	1488594.98	4954.31
B'	1510575.10	1488665.78	4955.66
B1	1510564.04	1488630.38	4955.13
C	1510414.84	1488619.77	4954.25
C'	1510433.91	1488692.20	4955.71
C1	1510426.08	1488662.47	4955.16

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Bankline Modification

Title

Site 183p7_E_2 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

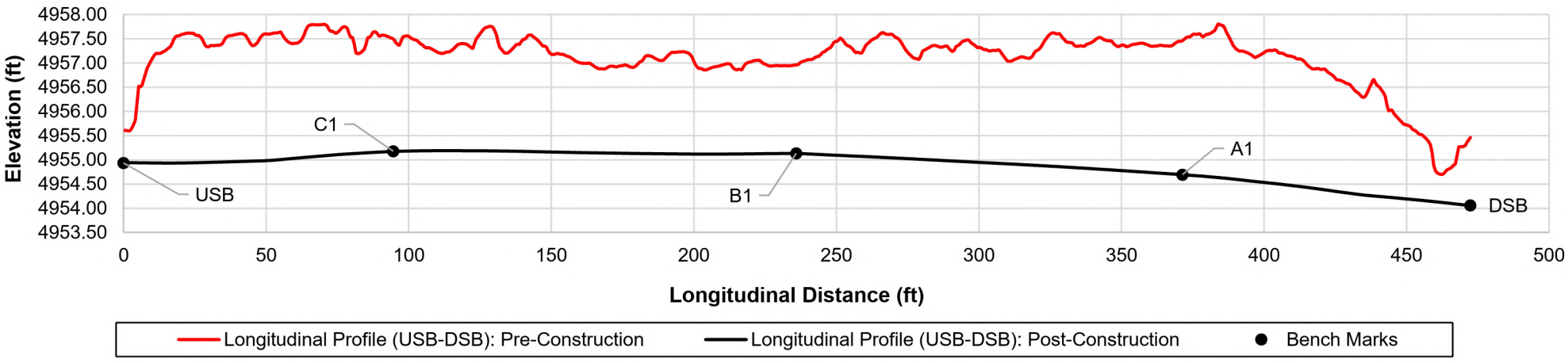
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

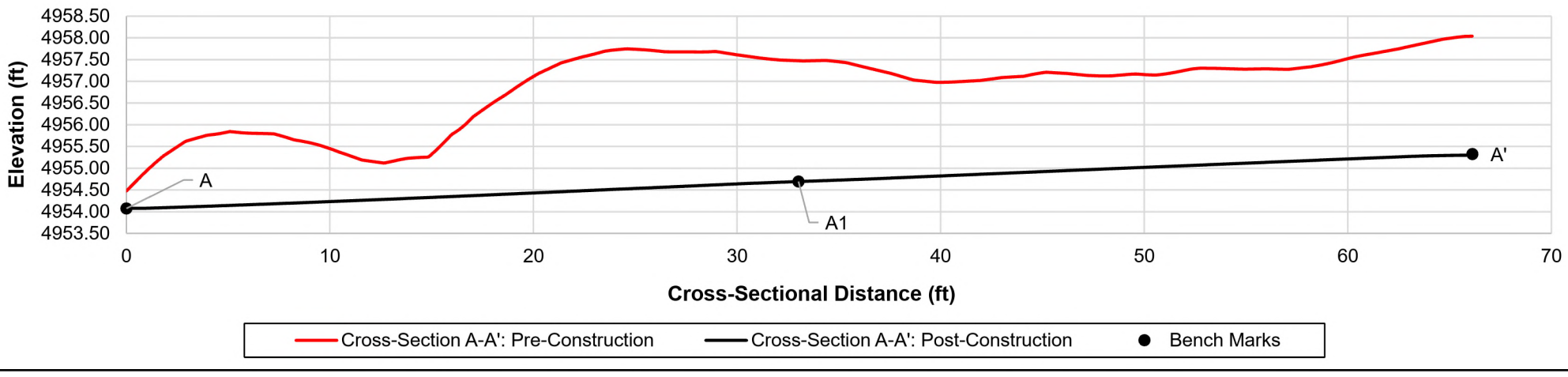
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

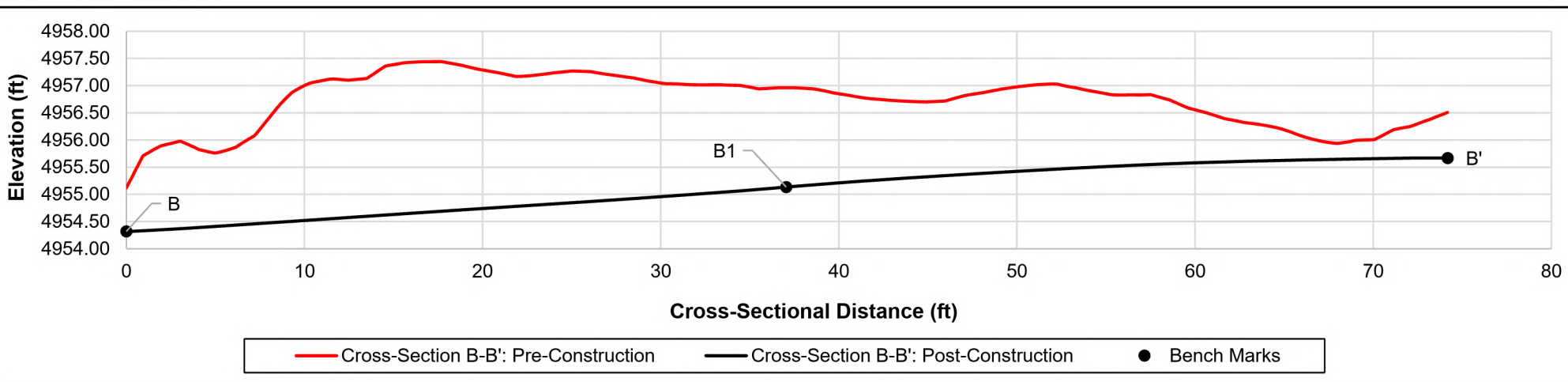
Longitudinal Profile (USB-DSB)



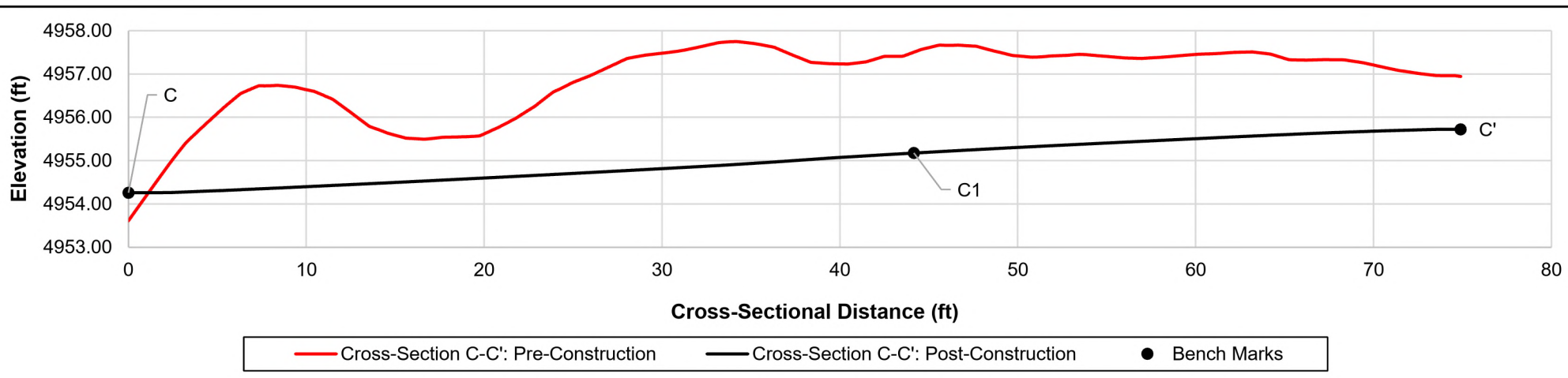
Cross-Section A-A'



Cross-Section B-B'



Cross-Section C-C'

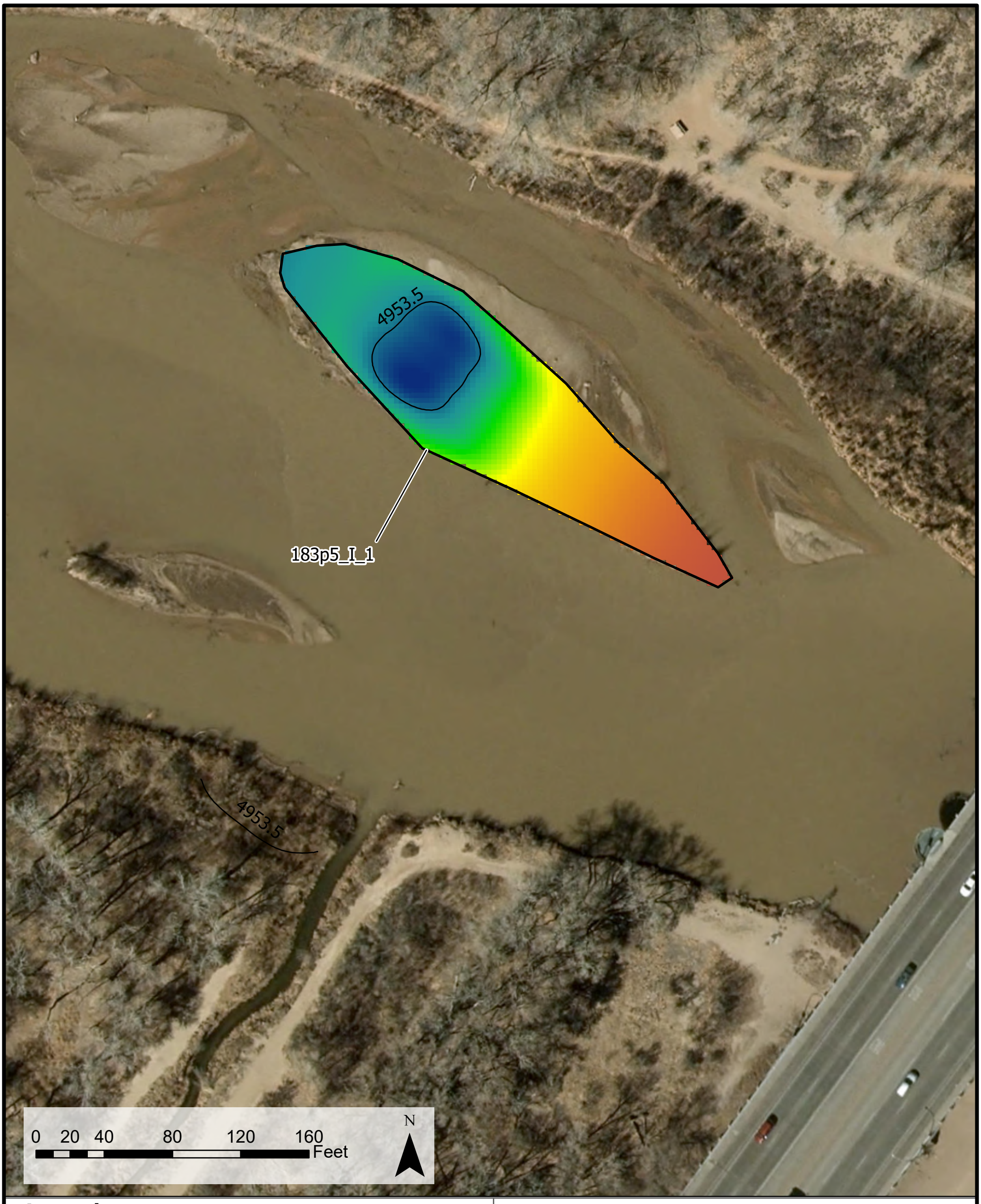


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through C represent cross-sections from downstream to upstream.

Construction Specifications:

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- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4953.56

4953.11

Title

Site 183p5_I_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

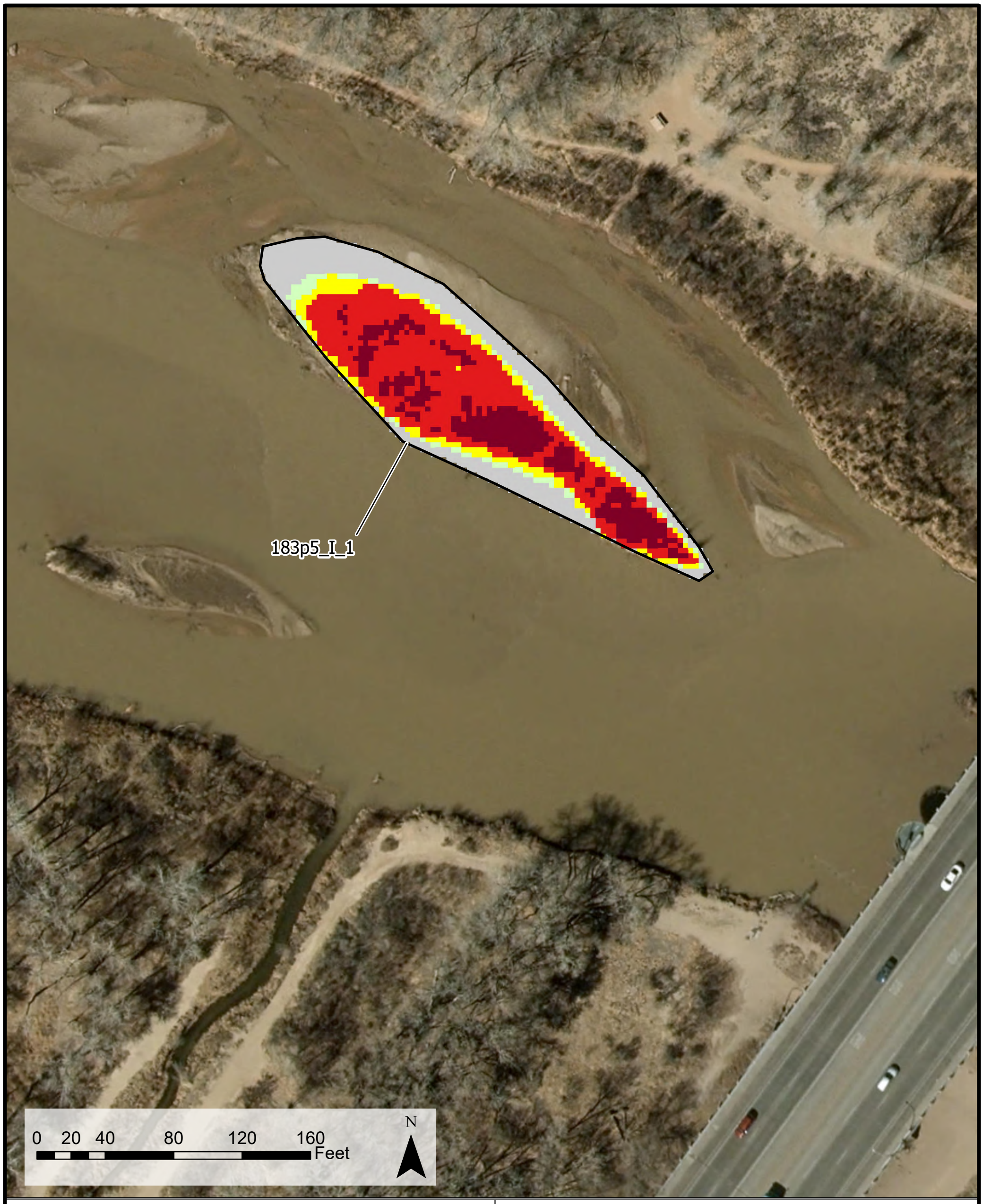
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.5

2.5-3.3

Title
Site 183p5_I_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

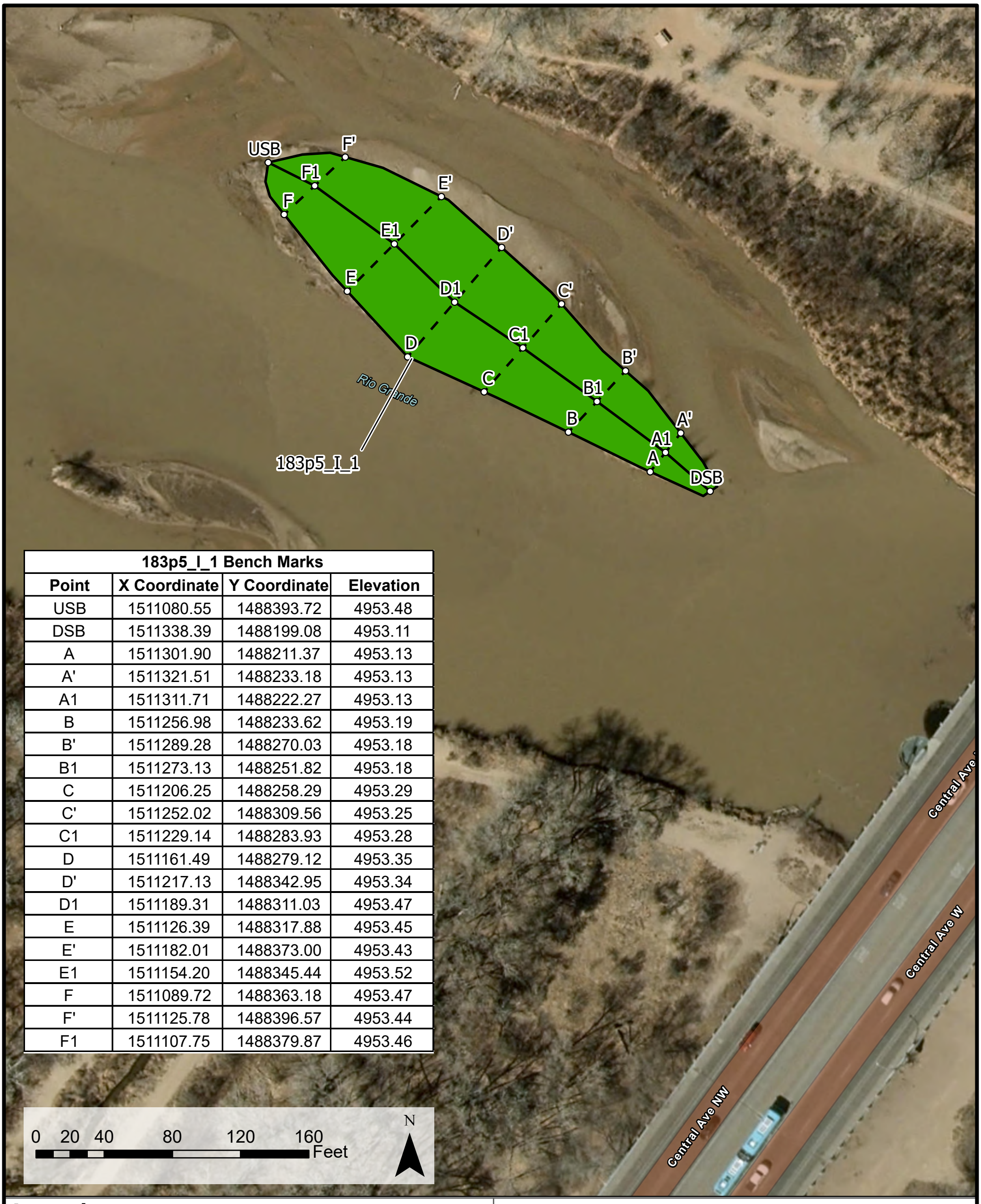
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p5_I_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1511080.55	1488393.72	4953.48
DSB	1511338.39	1488199.08	4953.11
A	1511301.90	1488211.37	4953.13
A'	1511321.51	1488233.18	4953.13
A1	1511311.71	1488222.27	4953.13
B	1511256.98	1488233.62	4953.19
B'	1511289.28	1488270.03	4953.18
B1	1511273.13	1488251.82	4953.18
C	1511206.25	1488258.29	4953.29
C'	1511252.02	1488309.56	4953.25
C1	1511229.14	1488283.93	4953.28
D	1511161.49	1488279.12	4953.35
D'	1511217.13	1488342.95	4953.34
D1	1511189.31	1488311.03	4953.47
E	1511126.39	1488317.88	4953.45
E'	1511182.01	1488373.00	4953.43
E1	1511154.20	1488345.44	4953.52
F	1511089.72	1488363.18	4953.47
F'	1511125.78	1488396.57	4953.44
F1	1511107.75	1488379.87	4953.46

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Island Destabilization

Title

Site 183p5_I_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

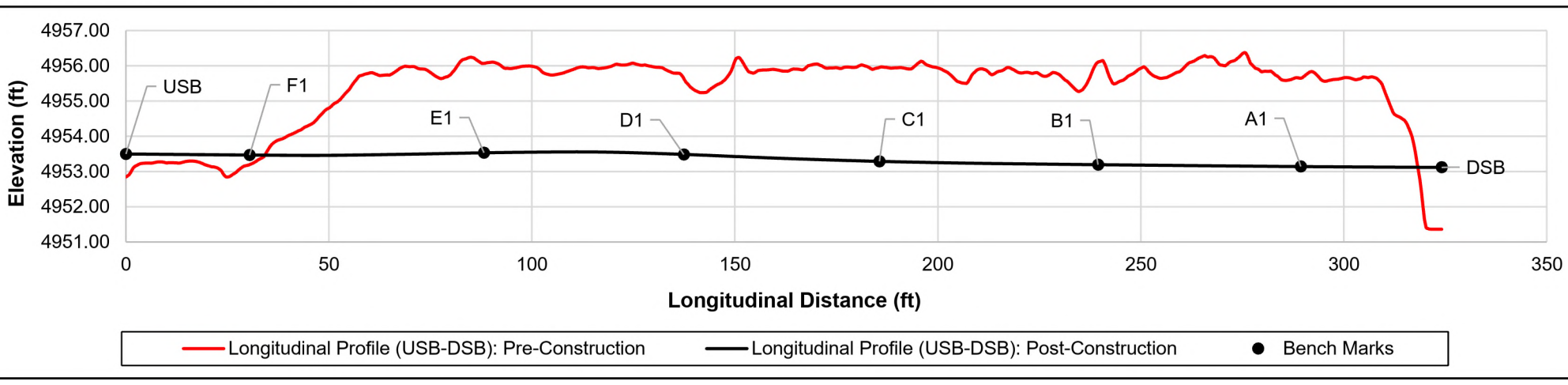
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

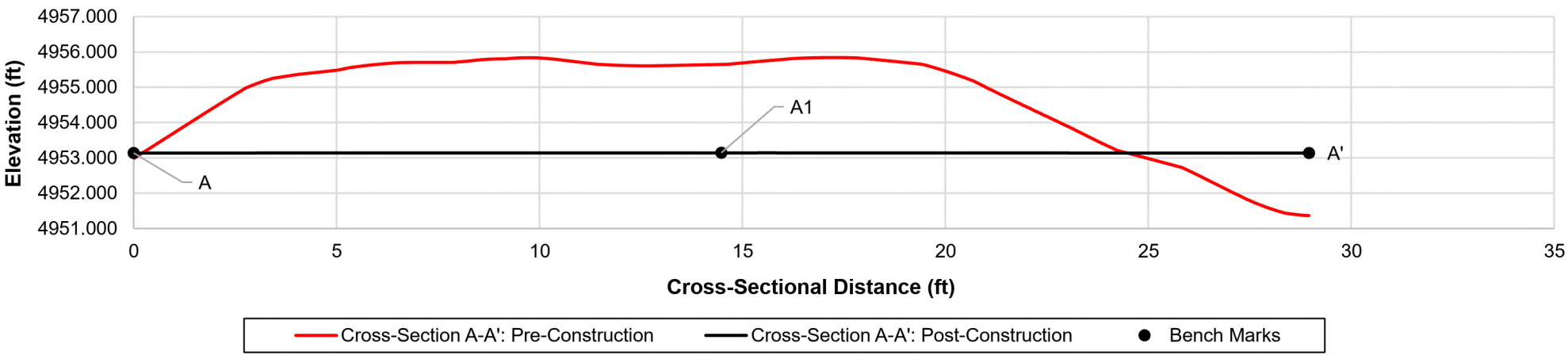
Revision: 0

GSA GeoSystems Analysis, Inc. *Innovative Solutions*

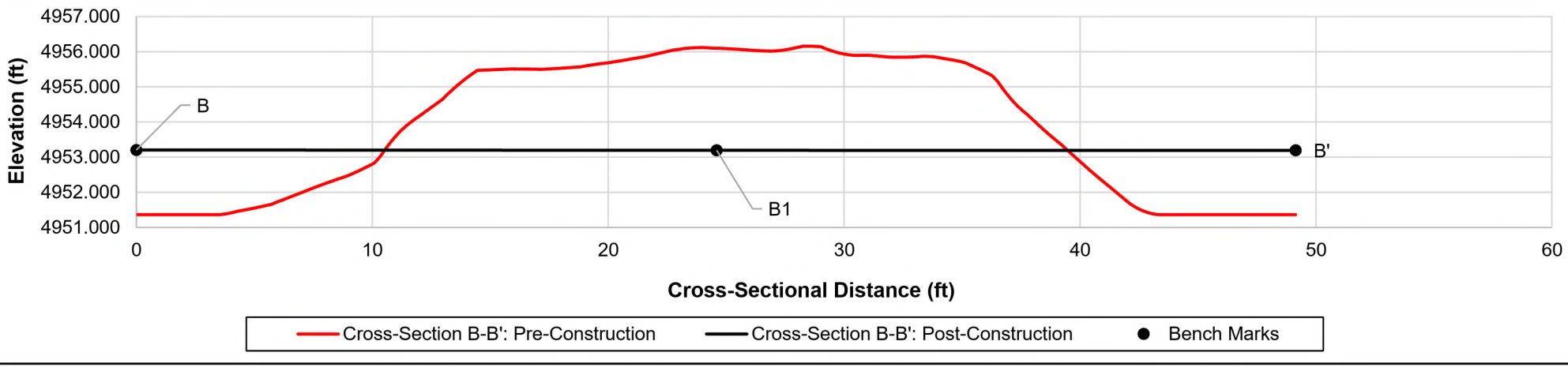
Longitudinal Profile (USB-DSB)



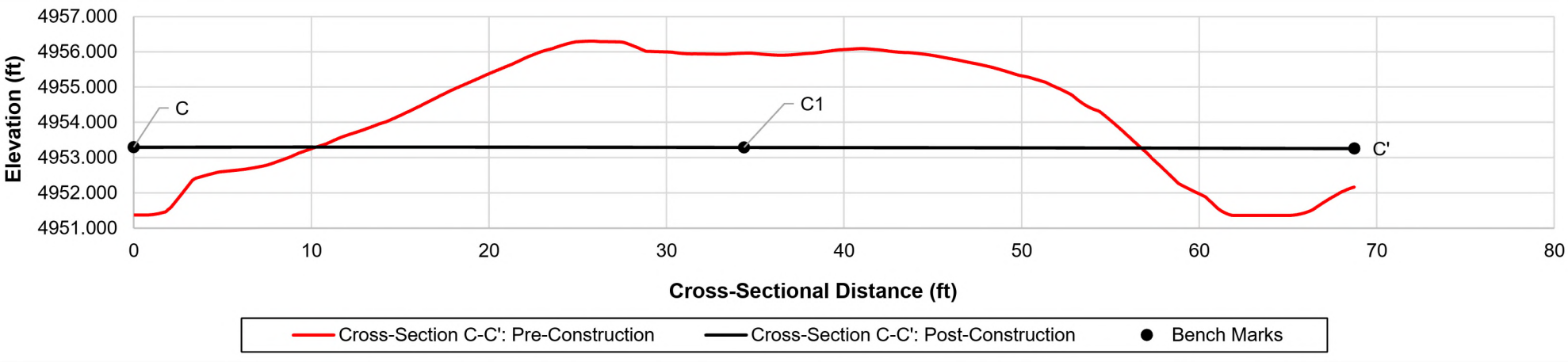
Cross-Section A-A'



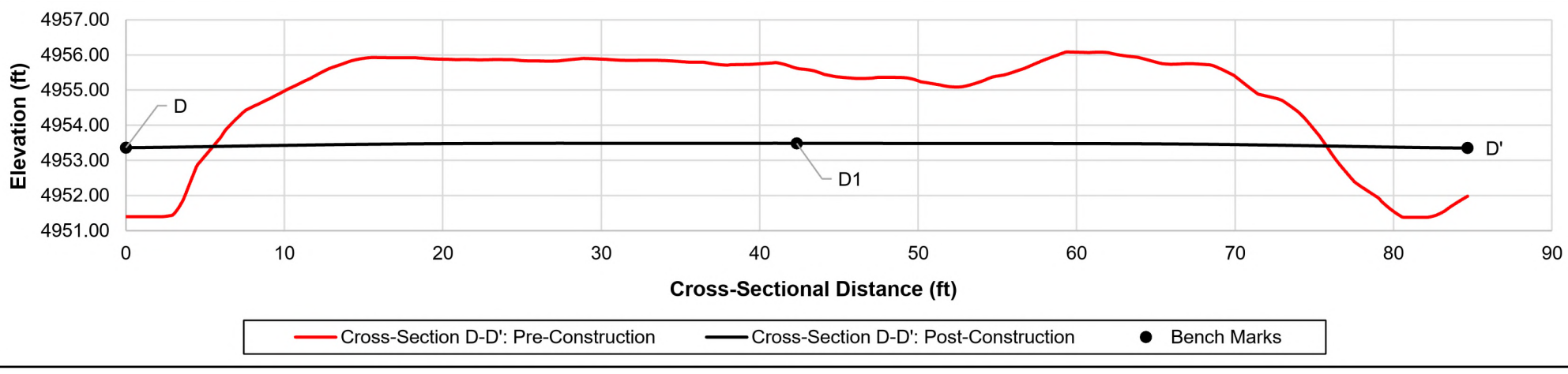
Cross-Section B-B'



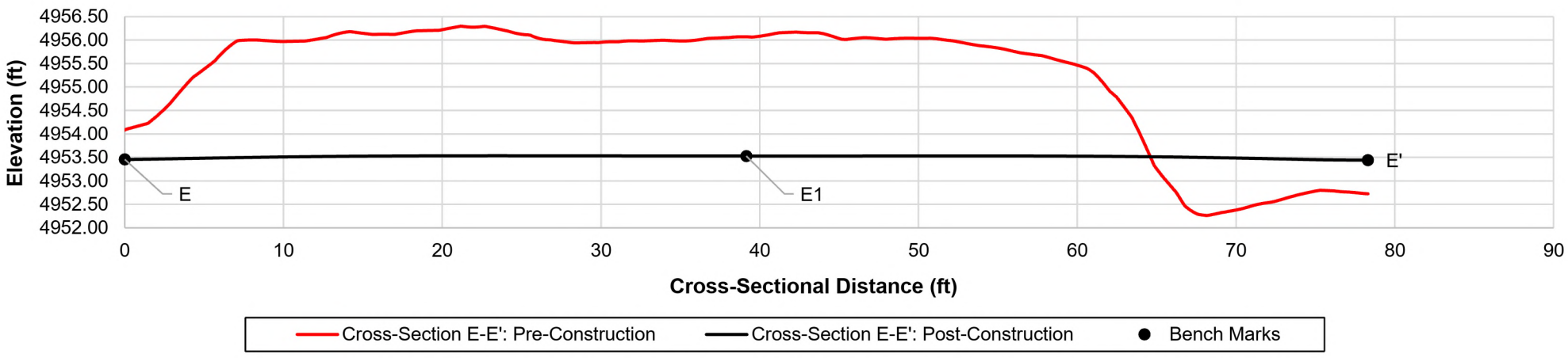
Cross-Section C-C'



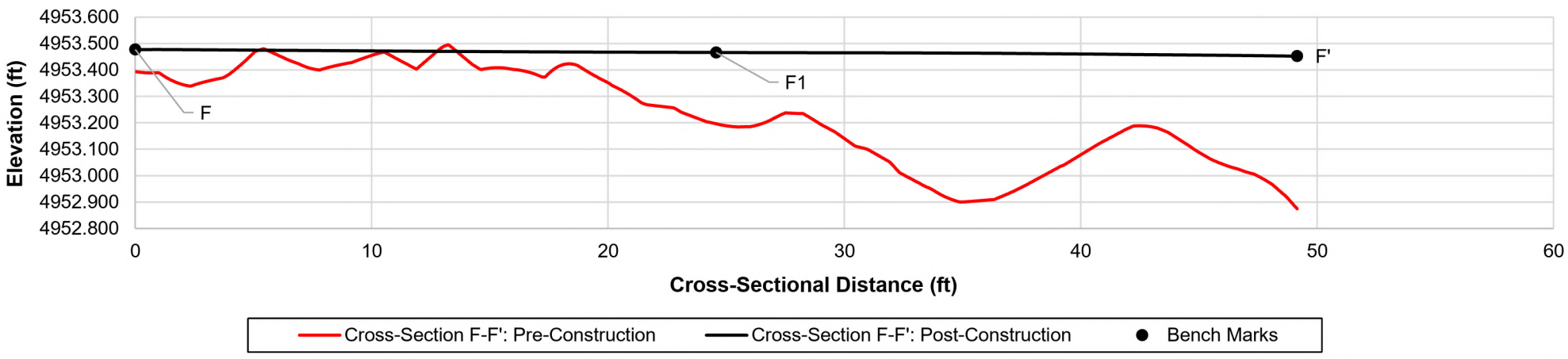
Cross-Section D-D'



Cross-Section E-E'



Cross-Section F-F'

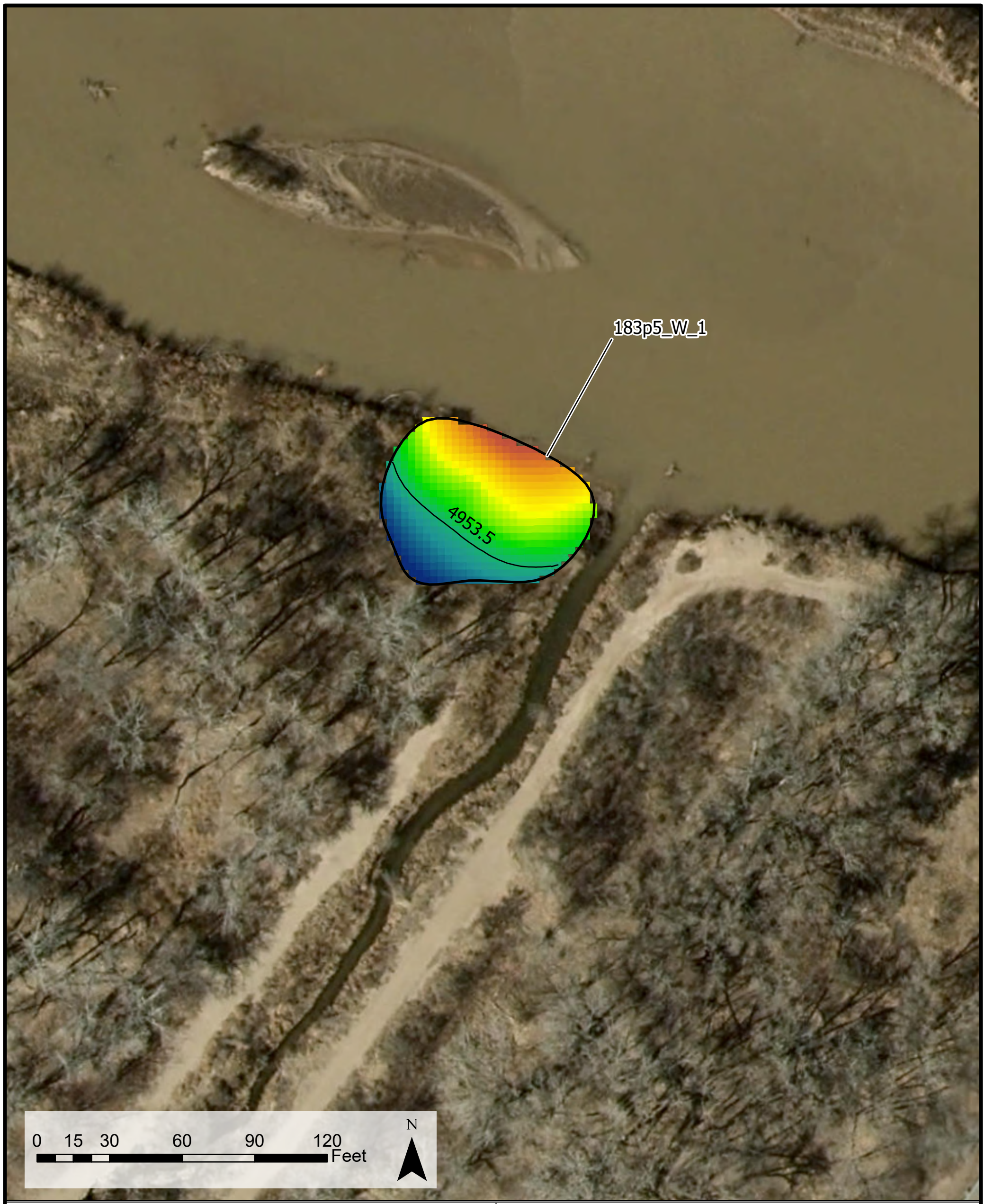


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through F represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4953.58

4953.3

Title

Site 183p5_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

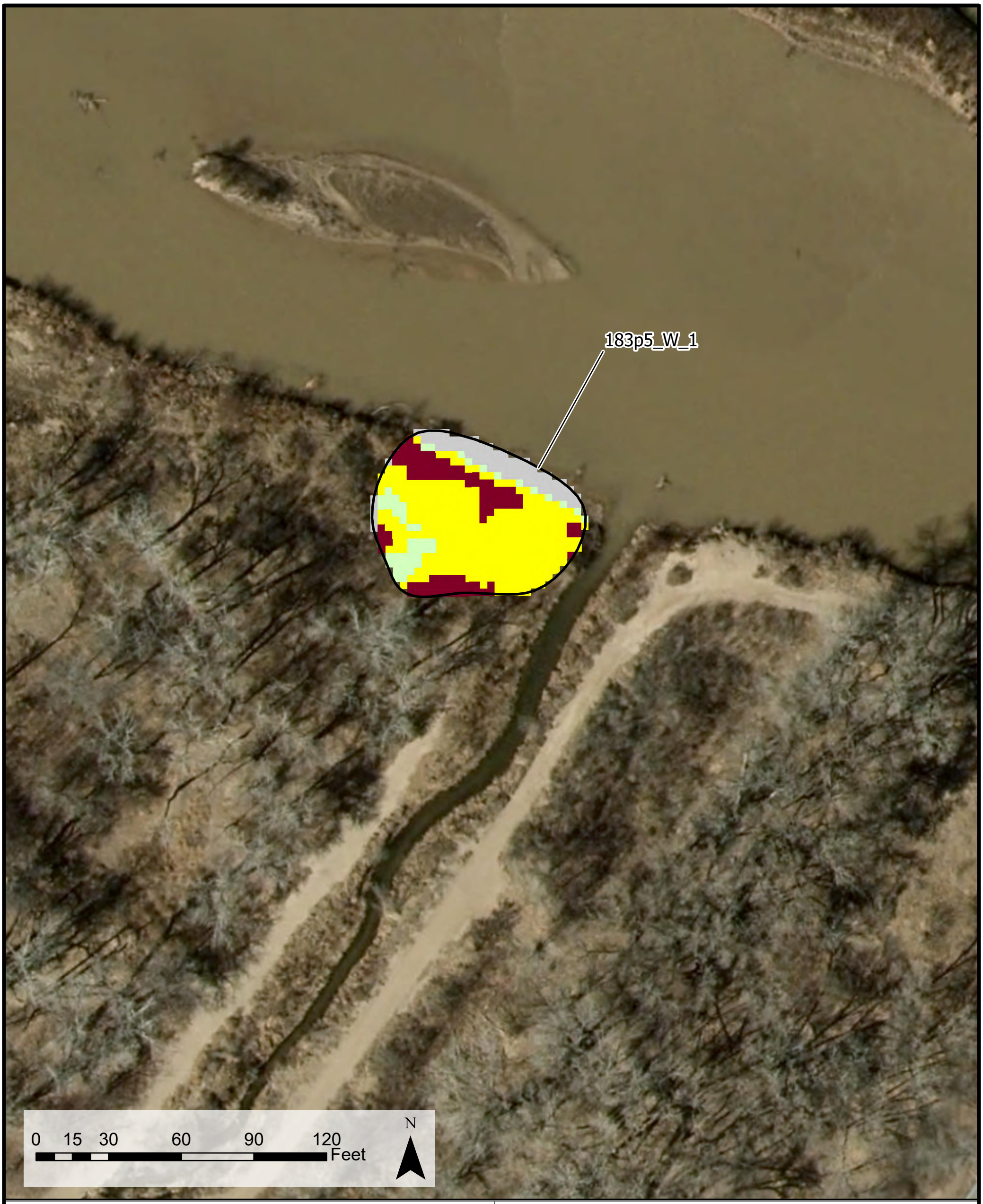
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.8

Title

Site 183p5_W_1 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

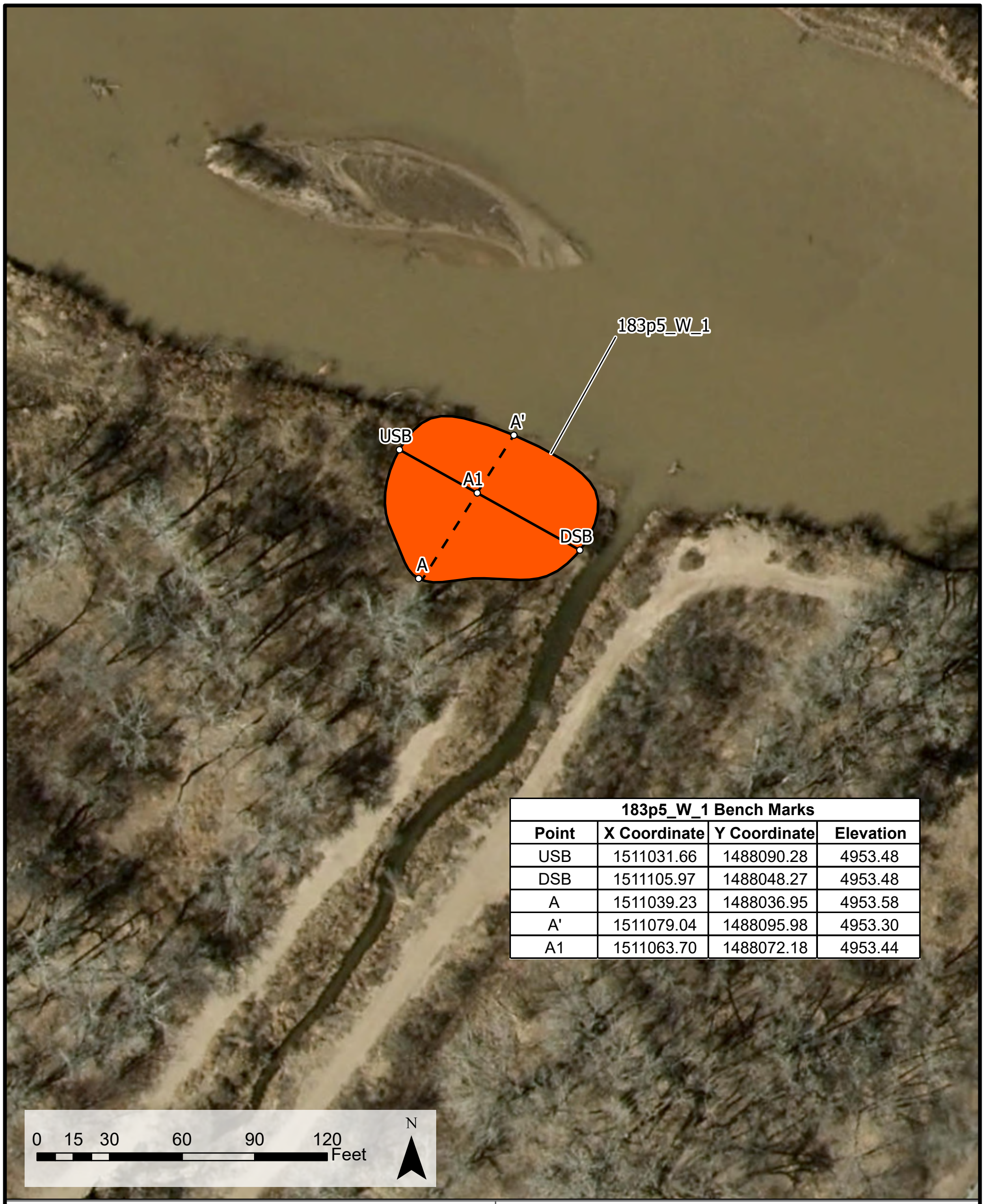
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p5_W_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1511031.66	1488090.28	4953.48
DSB	1511105.97	1488048.27	4953.48
A	1511039.23	1488036.95	4953.58
A'	1511079.04	1488095.98	4953.30
A1	1511063.70	1488072.18	4953.44

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Mouth Cleanout

Title
Site 183p5_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

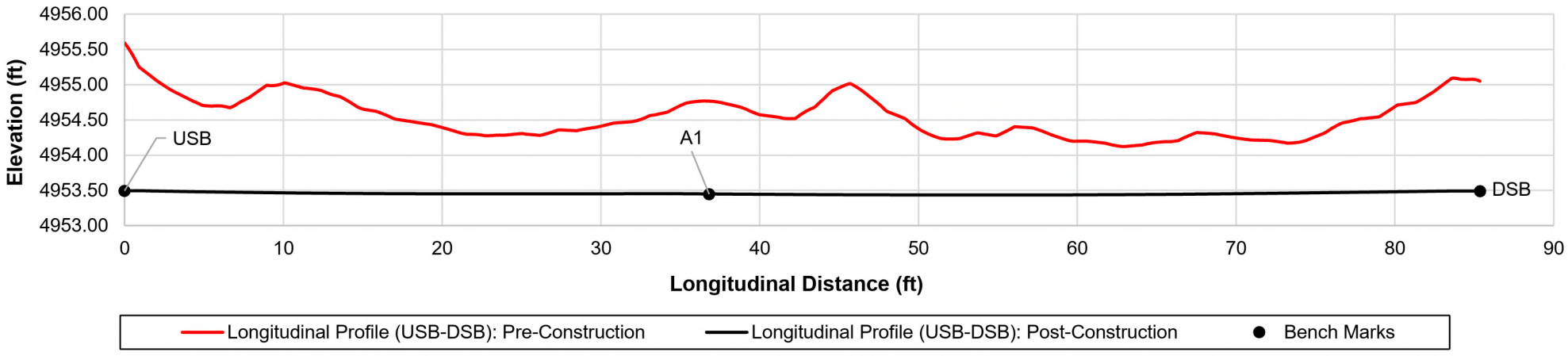
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

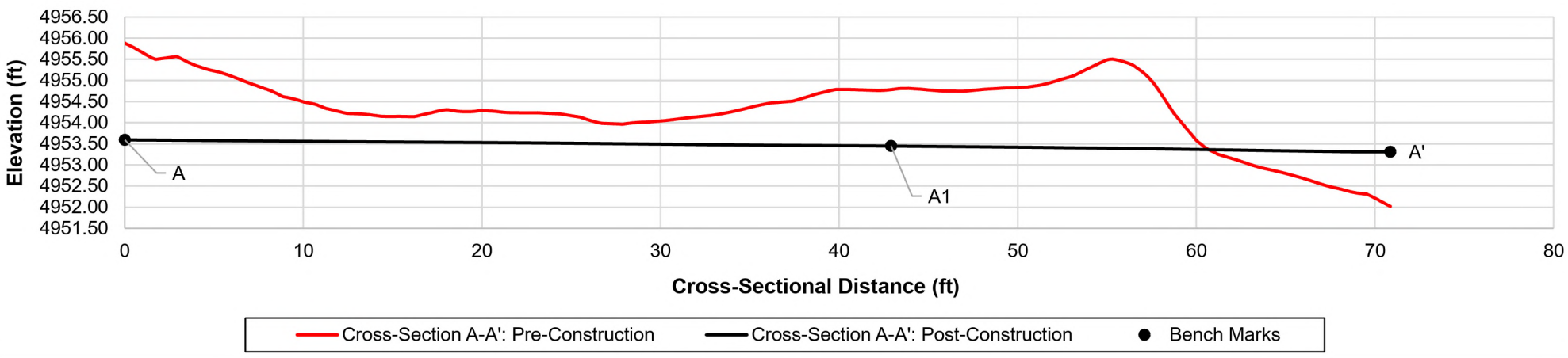
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

Longitudinal Profile (USB-DSB)



Cross-Section A-A'

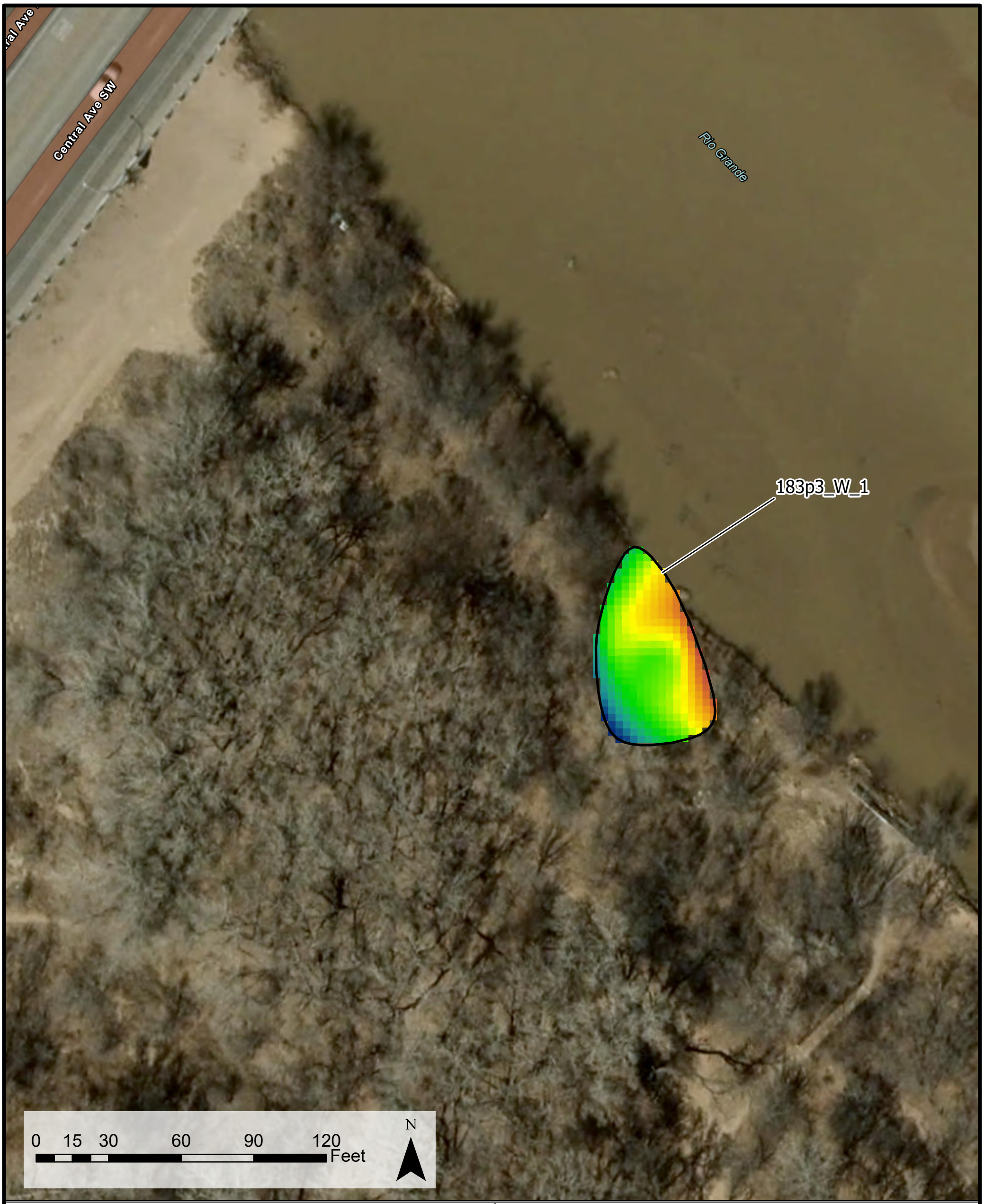


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through A' represent the cross-section from west to east.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4952.85

4952.77

Title

Site 183p3_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.5

2.5-3.4

Title

Site 183p3_W_1 Excavation Depths

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

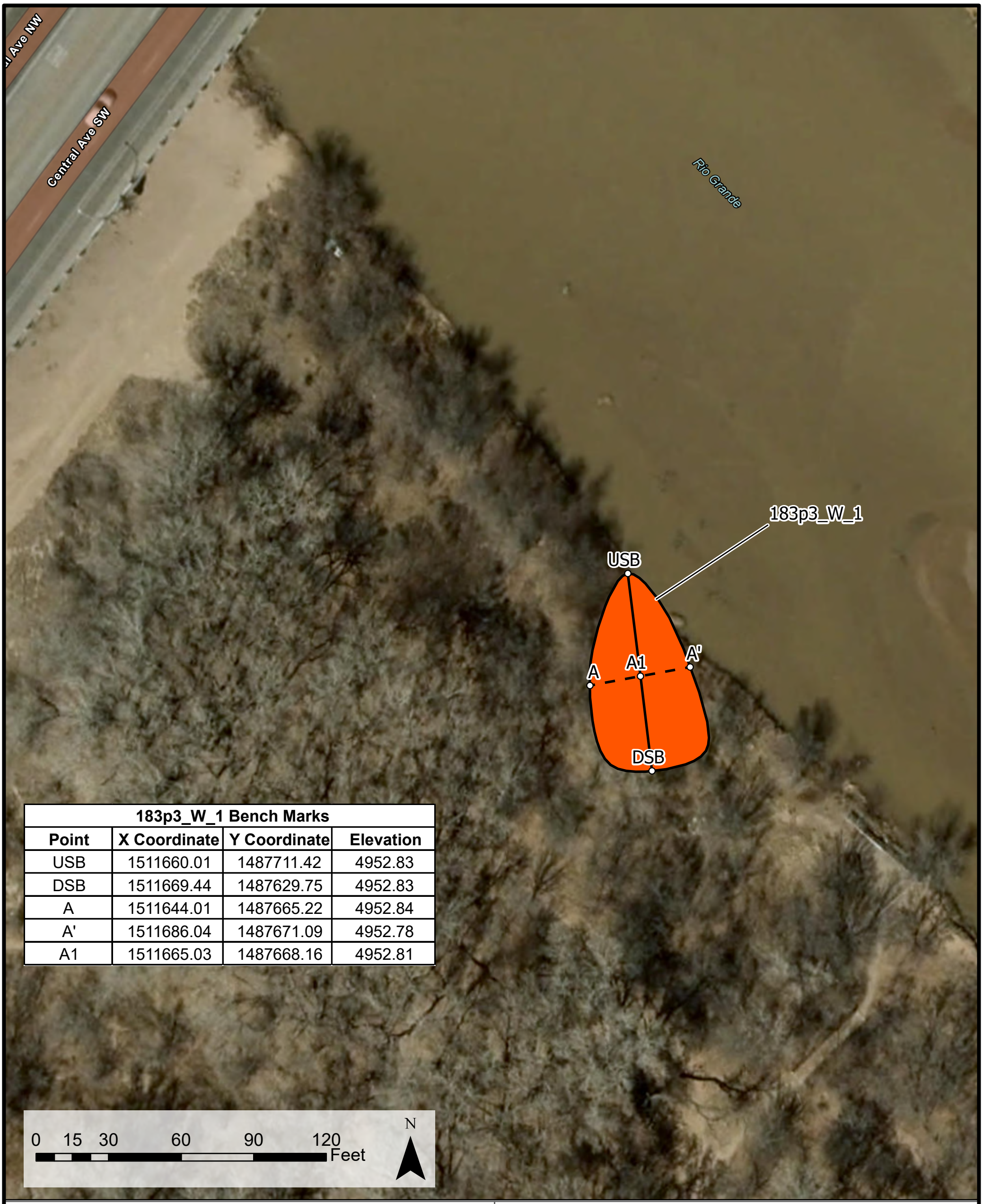
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p3_W_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1511660.01	1487711.42	4952.83
DSB	1511669.44	1487629.75	4952.83
A	1511644.01	1487665.22	4952.84
A'	1511686.04	1487671.09	4952.78
A1	1511665.03	1487668.16	4952.81

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Mouth Cleanout

Title
Site 183p3_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

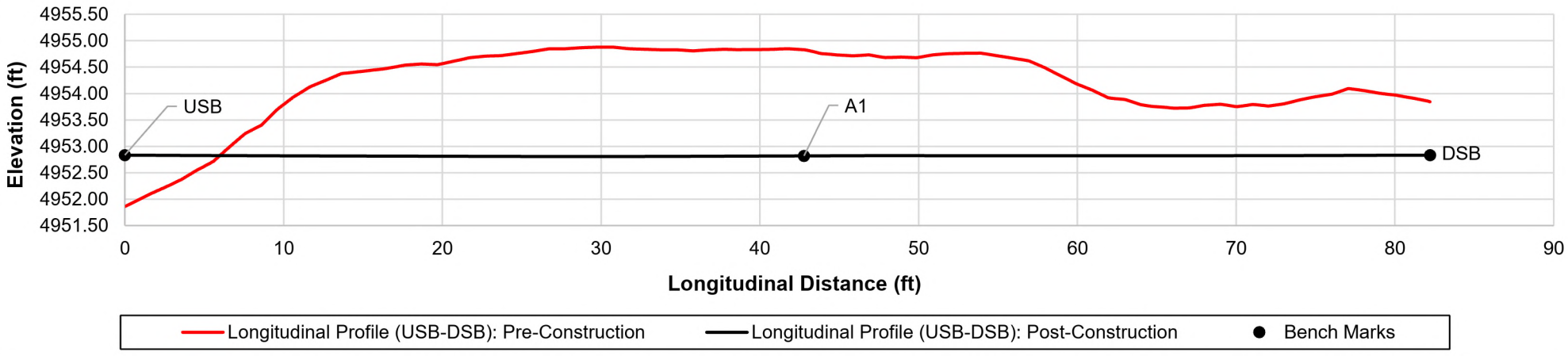
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

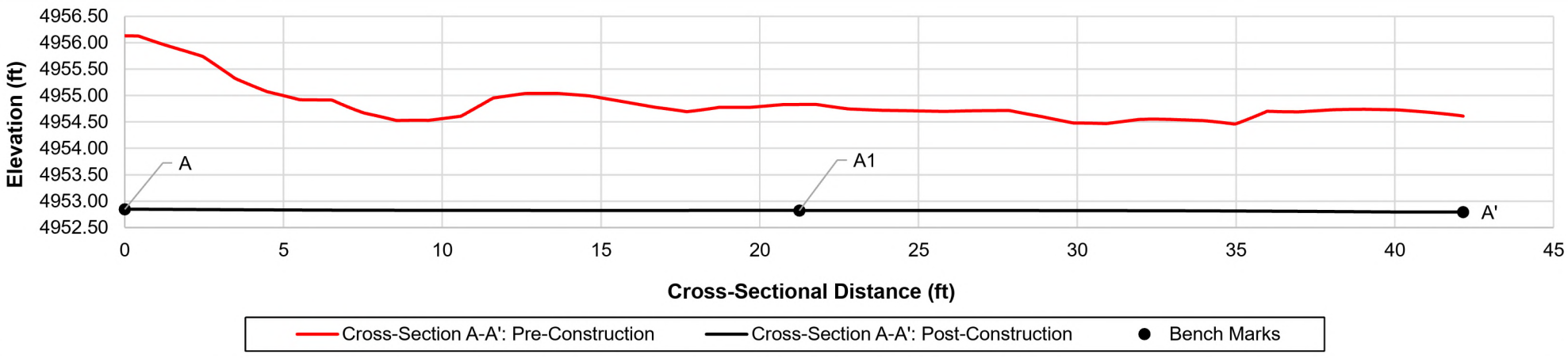
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

Longitudinal Profile (USB-DSB)



Cross-Section A-A'

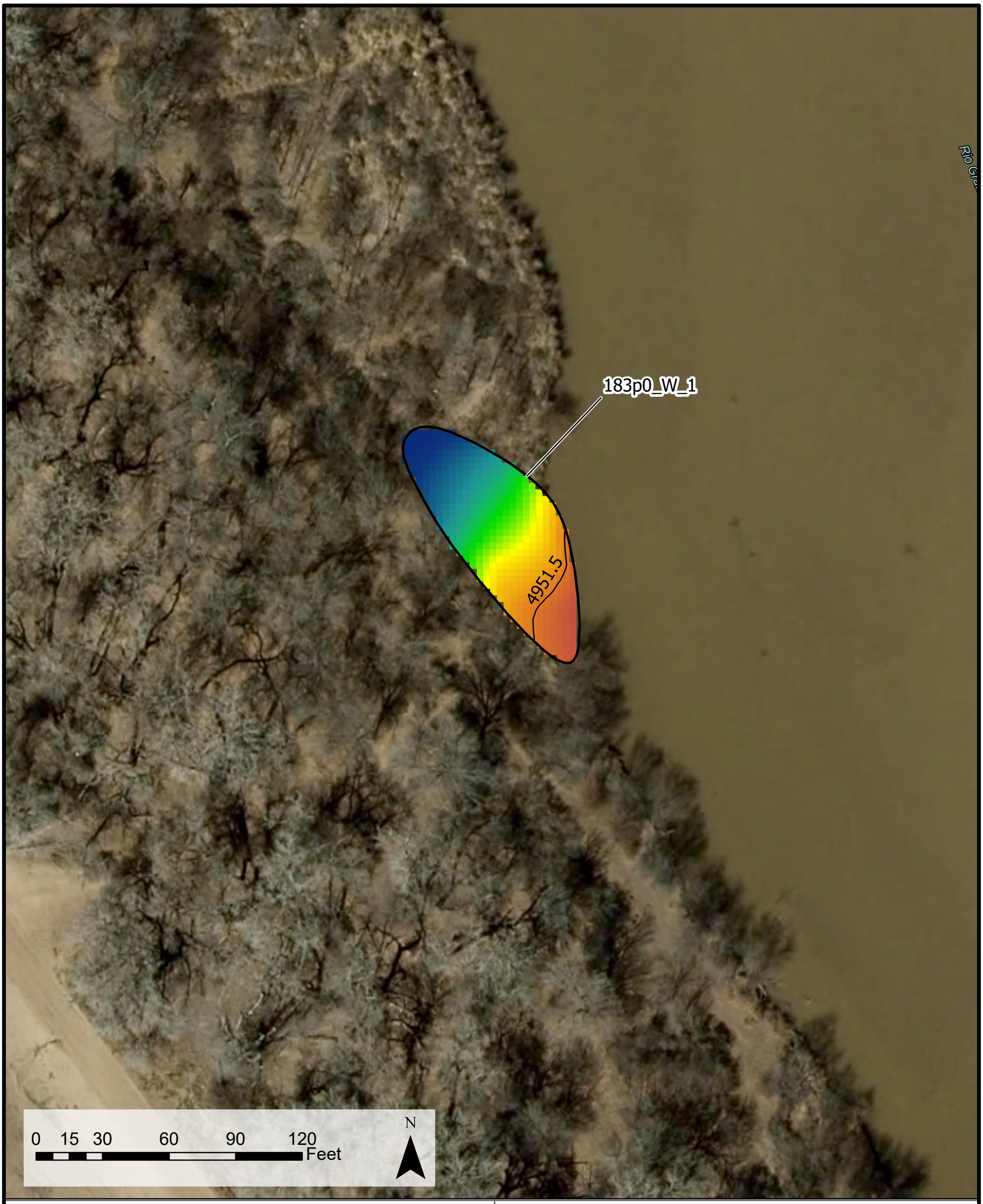


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through A' represent the cross-section from west to east.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
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- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4951.87

4951.45

Title

Site 183p0_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

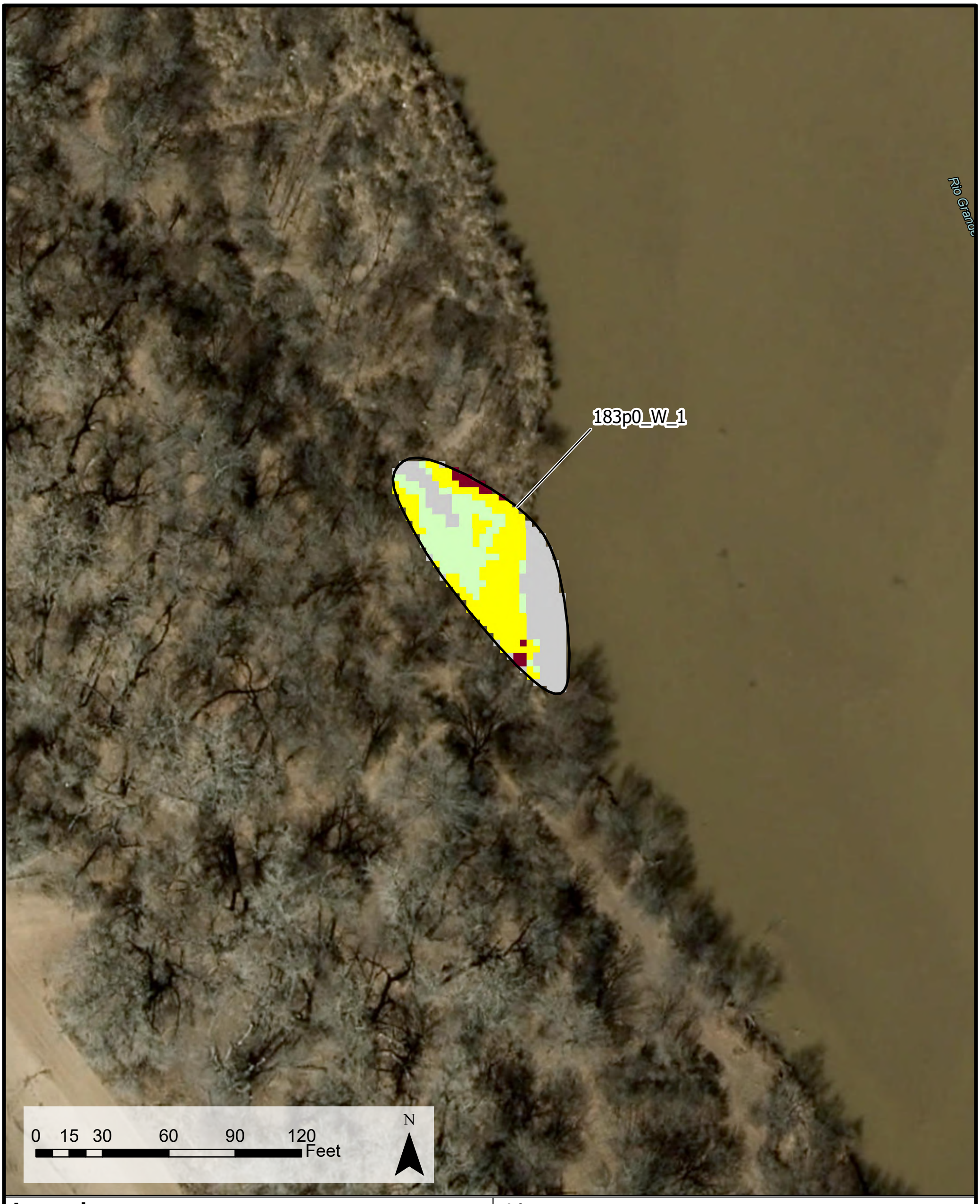
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.3

Title
Site 183p0_W_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

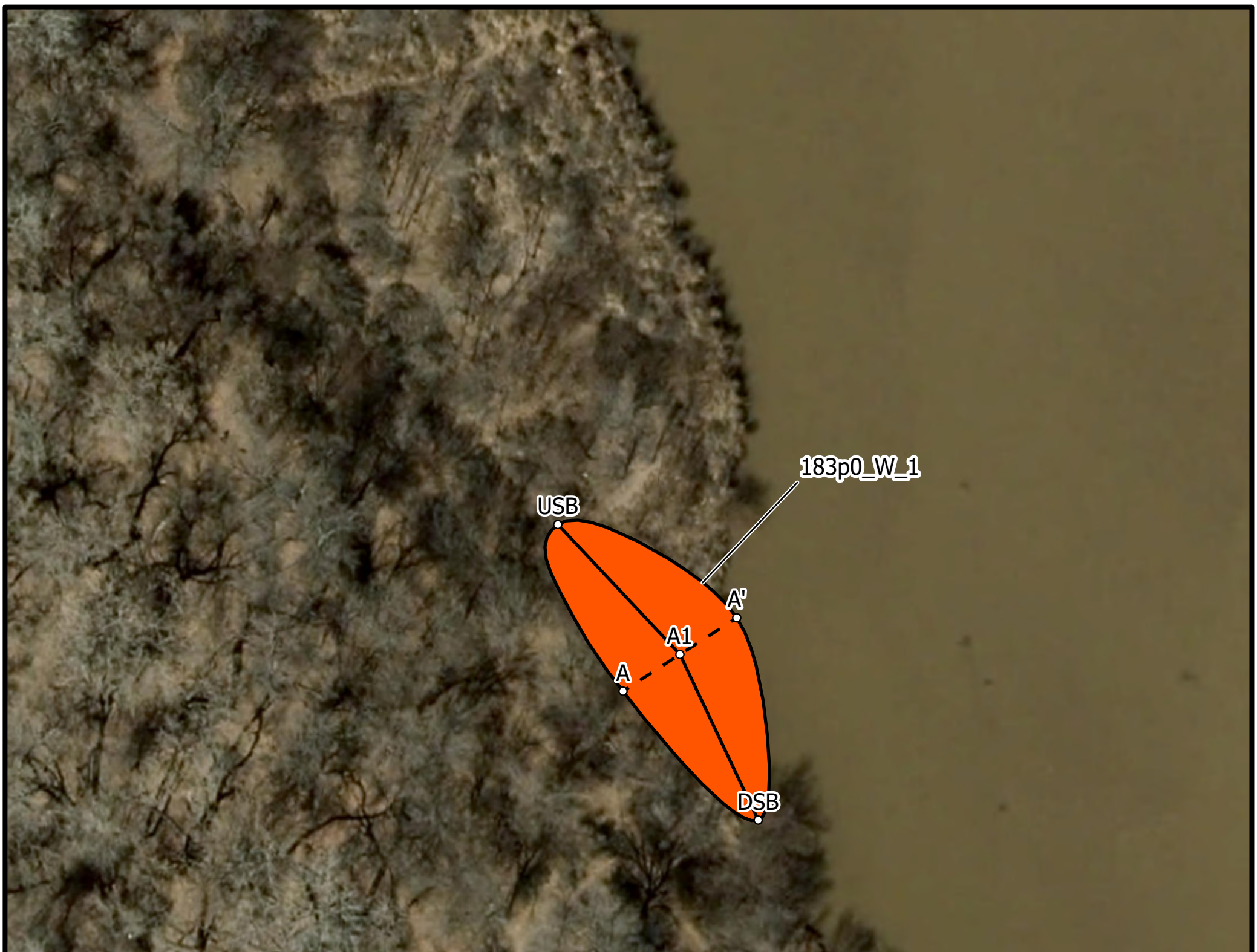
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



183p0_W_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1512334.82	1486580.46	4951.87
DSB	1512405.20	1486475.04	4951.46
A	1512358.35	1486520.11	4951.71
A'	1512396.22	1486549.38	4951.60
A1	1512377.28	1486534.75	4951.66

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Mouth Cleanout

Title

Site 183p0_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

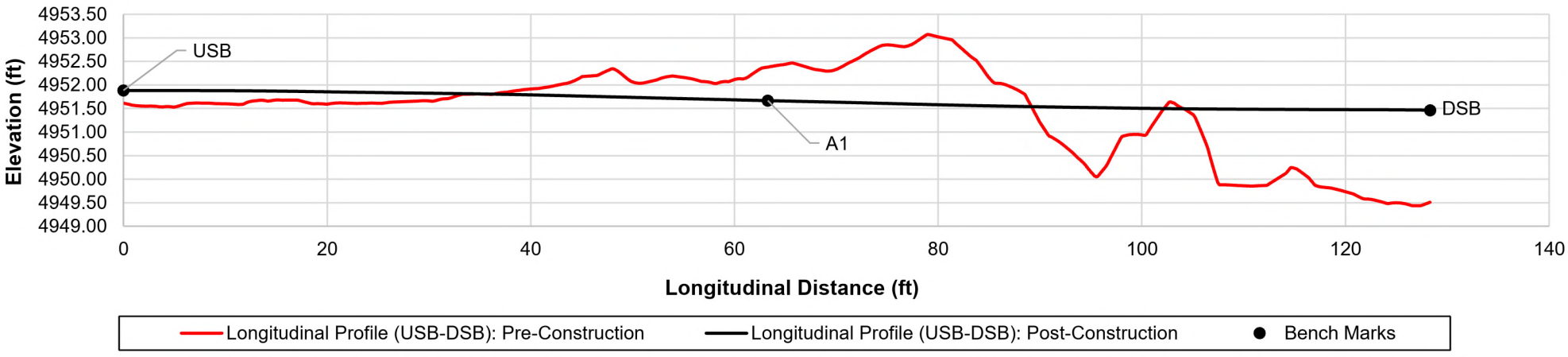
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

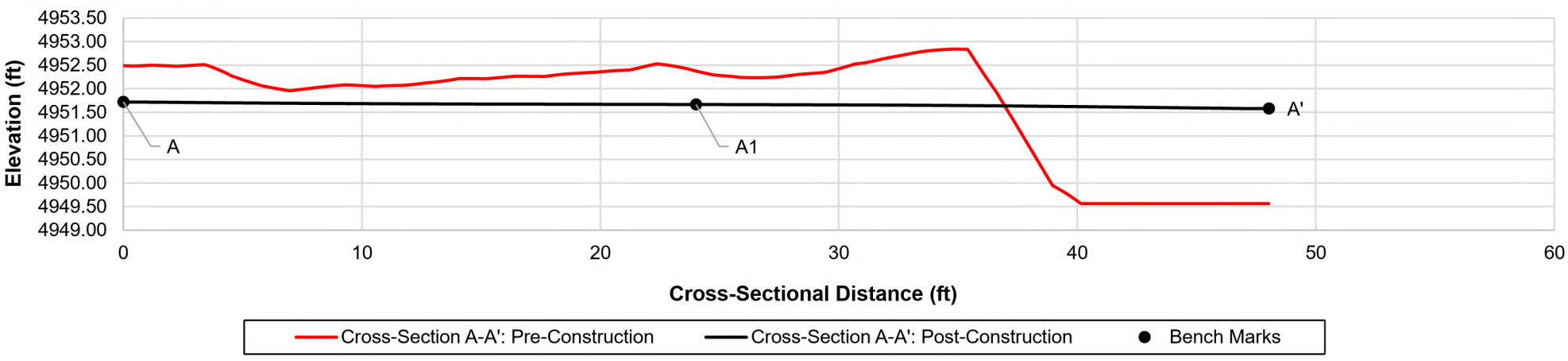
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

Longitudinal Profile (USB-DSB)



Cross-Section A-A'

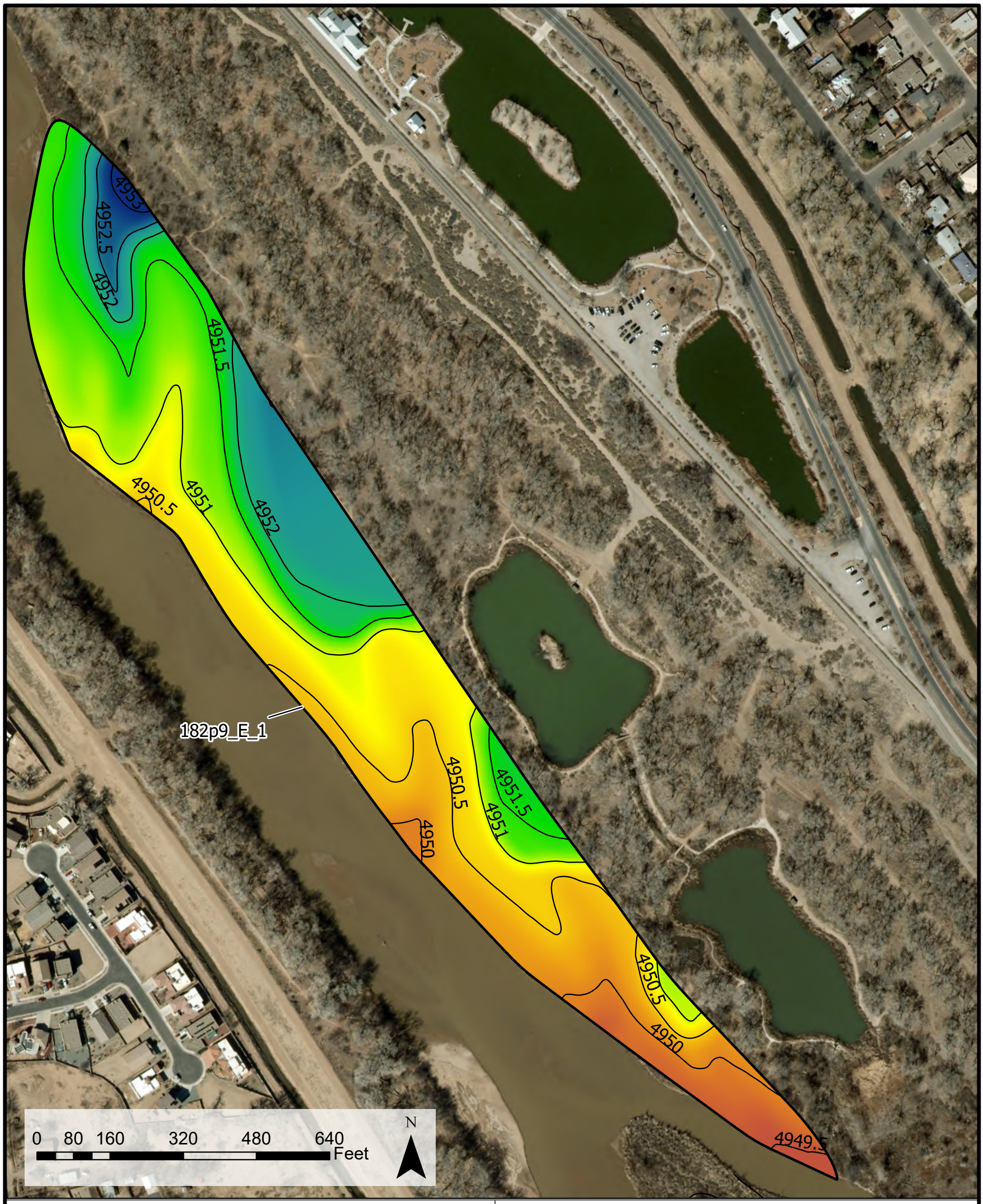


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through A' represent the cross-section from west to east.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
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- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
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- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4953.15

4949.26

Title

Site 182p9_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

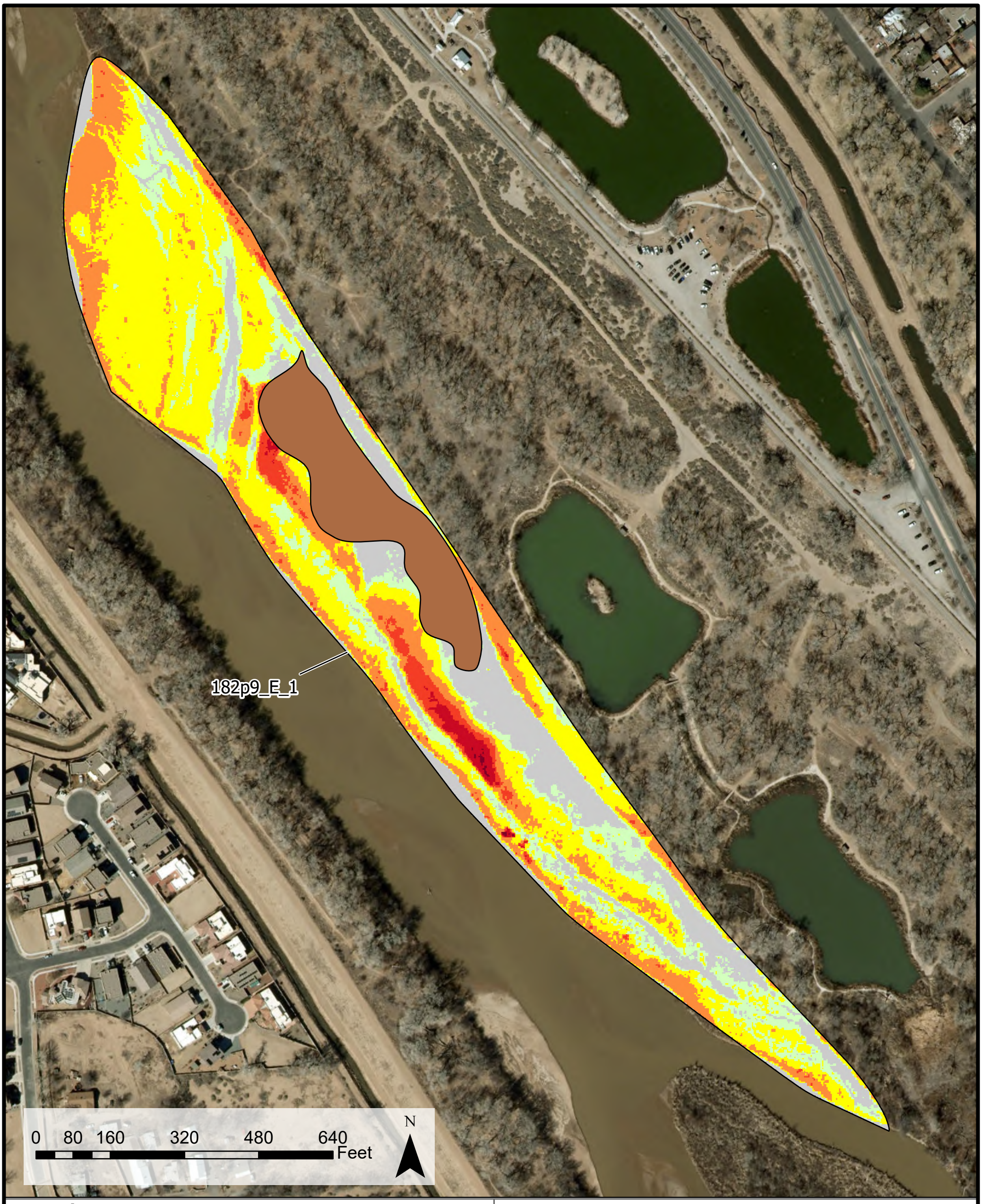
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

- HR Sites
- Cottonwood Preservation

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.5
- 3.5-4.5
- 4.5-5.5

Title
Site 182p9_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

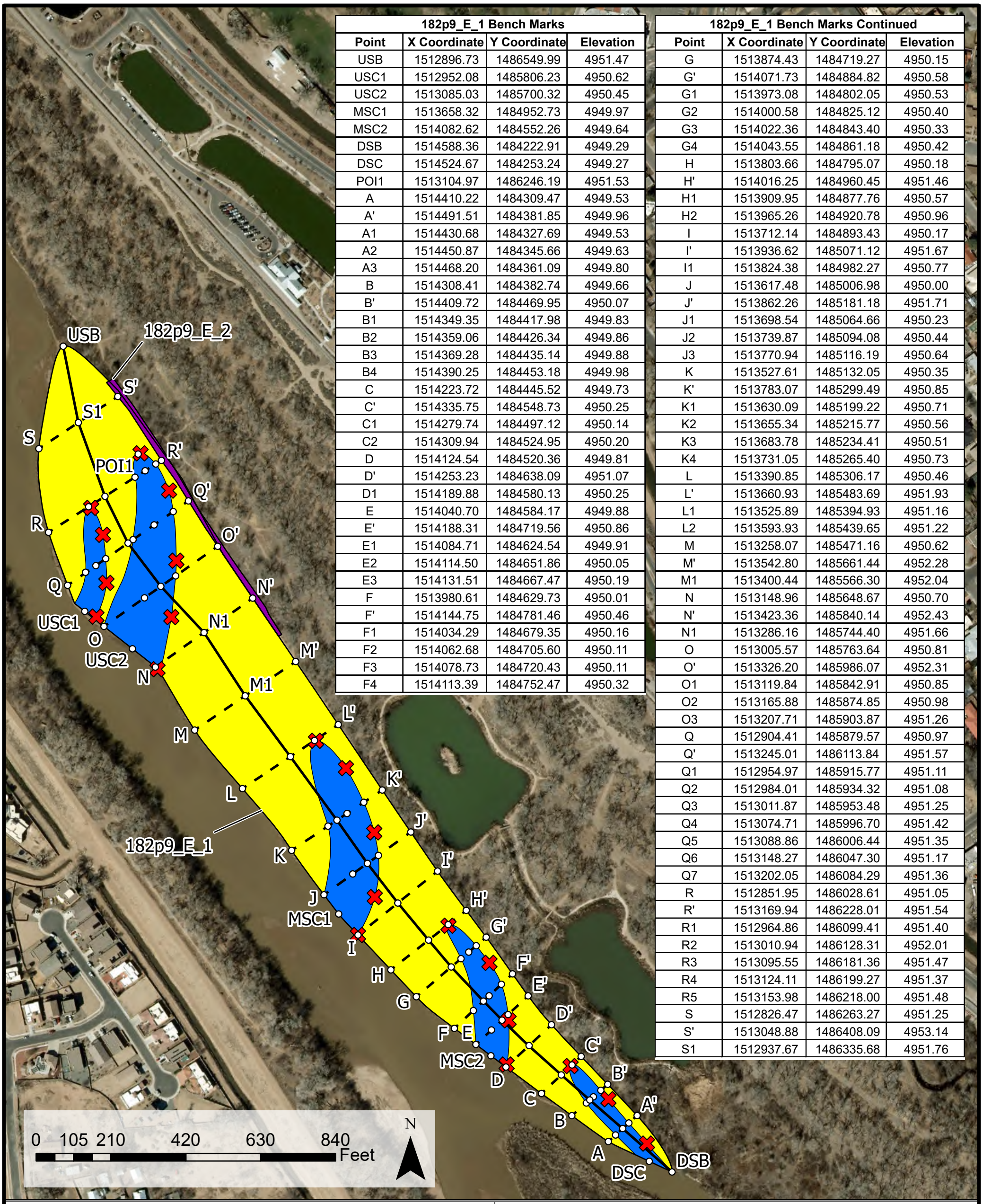
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



182p9_E_1 Bench Marks			
Point	X Coordinate	Y Coordinate	Elevation
USB	1512896.73	1486549.99	4951.47
USC1	1512952.08	1485806.23	4950.62
USC2	1513085.03	1485700.32	4950.45
MSC1	1513658.32	1484952.73	4949.97
MSC2	1514082.62	1484552.26	4949.64
DSB	1514588.36	1484222.91	4949.29
DSC	1514524.67	1484253.24	4949.27
POI1	1513104.97	1486246.19	4951.53
A	1514410.22	1484309.47	4949.53
A'	1514491.51	1484381.85	4949.96
A1	1514430.68	1484327.69	4949.53
A2	1514450.87	1484345.66	4949.63
A3	1514468.20	1484361.09	4949.80
B	1514308.41	1484382.74	4949.66
B'	1514409.72	1484469.95	4950.07
B1	1514349.35	1484417.98	4949.83
B2	1514359.06	1484426.34	4949.86
B3	1514369.28	1484435.14	4949.88
B4	1514390.25	1484453.18	4949.98
C	1514223.72	1484445.52	4949.73
C'	1514335.75	1484548.73	4950.25
C1	1514279.74	1484497.12	4950.14
C2	1514309.94	1484524.95	4950.20
D	1514124.54	1484520.36	4949.81
D'	1514253.23	1484638.09	4951.07
D1	1514189.88	1484580.13	4950.25
E	1514040.70	1484584.17	4949.88
E'	1514188.31	1484719.56	4950.86
E1	1514084.71	1484624.54	4949.91
E2	1514114.50	1484651.86	4950.05
E3	1514131.51	1484667.47	4950.19
F	1513980.61	1484629.73	4950.01
F'	1514144.75	1484781.46	4950.46
F1	1514034.29	1484679.35	4950.16
F2	1514062.68	1484705.60	4950.11
F3	1514078.73	1484720.43	4950.11
F4	1514113.39	1484752.47	4950.32

182p9_E_1 Bench Marks Continued			
Point	X Coordinate	Y Coordinate	Elevation
G	1513874.43	1484719.27	4950.15
G'	1514071.73	1484884.82	4950.58
G1	1513973.08	1484802.05	4950.53
G2	1514000.58	1484825.12	4950.40
G3	1514022.36	1484843.40	4950.33
G4	1514043.55	1484861.18	4950.42
H	1513803.66	1484795.07	4950.18
H'	1514016.25	1484960.45	4951.46
H1	1513909.95	1484877.76	4950.57
H2	1513965.26	1484920.78	4950.96
I	1513712.14	1484893.43	4950.17
I'	1513936.62	1485071.12	4951.67
I1	1513824.38	1484982.27	4950.77
J	1513617.48	1485006.98	4950.00
J'	1513862.26	1485181.18	4951.71
J1	1513698.54	1485064.66	4950.23
J2	1513739.87	1485094.08	4950.44
J3	1513770.94	1485116.19	4950.64
K	1513527.61	1485132.05	4950.35
K'	1513783.07	1485299.49	4950.85
K1	1513630.09	1485199.22	4950.71
K2	1513655.34	1485215.77	4950.56
K3	1513683.78	1485234.41	4950.51
K4	1513731.05	1485265.40	4950.73
L	1513390.85	1485306.17	4950.46
L'	1513660.93	1485483.69	4951.93
L1	1513525.89	1485394.93	4951.16
L2	1513593.93	1485439.65	4951.22
M	1513258.07	1485471.16	4950.62
M'	1513542.80	1485661.44	4952.28
M1	1513400.44	1485566.30	4952.04
N	1513148.96	1485648.67	4950.70
N'	1513423.36	1485840.14	4952.43
N1	1513286.16	1485744.40	4951.66
O	1513005.57	1485763.64	4950.81
O'	1513326.20	1485986.07	4952.31
O1	1513119.84	1485842.91	4950.85
O2	1513165.88	1485874.85	4950.98
O3	1513207.71	1485903.87	4951.26
Q	1512904.41	1485879.57	4950.97
Q'	1513245.01	1486113.84	4951.57
Q1	1512954.97	1485915.77	4951.11
Q2	1512984.01	1485934.32	4951.08
Q3	1513011.87	1485953.48	4951.25
Q4	1513074.71	1485996.70	4951.42
Q5	1513088.86	1486006.44	4951.35
Q6	1513148.27	1486047.30	4951.17
Q7	1513202.05	1486084.29	4951.36
R	1512851.95	1486028.61	4951.05
R'	1513169.94	1486228.01	4951.54
R1	1512964.86	1486099.41	4951.40
R2	1513010.94	1486128.31	4952.01
R3	1513095.55	1486181.36	4951.47
R4	1513124.11	1486199.27	4951.37
R5	1513153.98	1486218.00	4951.48
S	1512826.47	1486263.27	4951.25
S'	1513048.88	1486408.09	4953.14
S1	1512937.67	1486335.68	4951.76

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater
- Bankline Modification
- Jetty Jack Removal

Title

Site 182p9_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

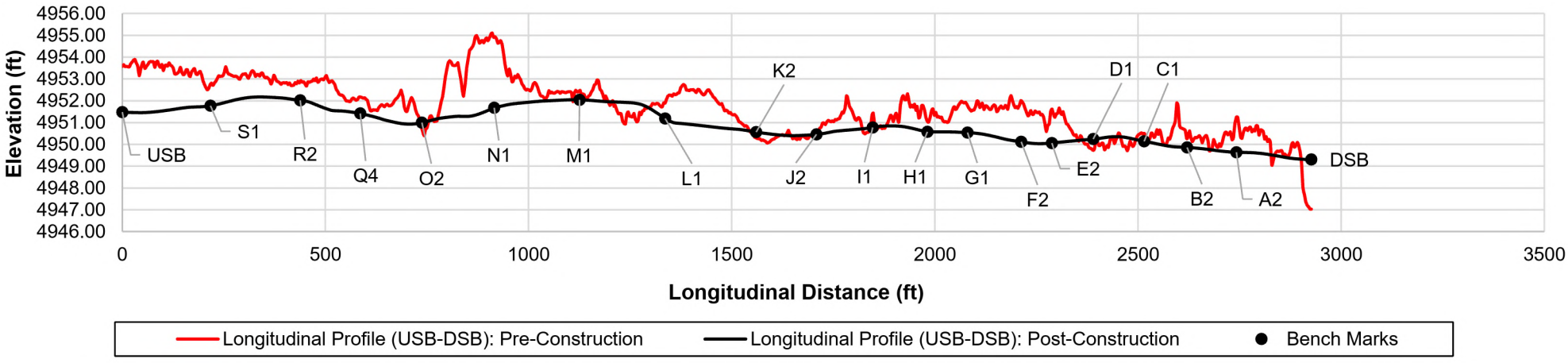
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

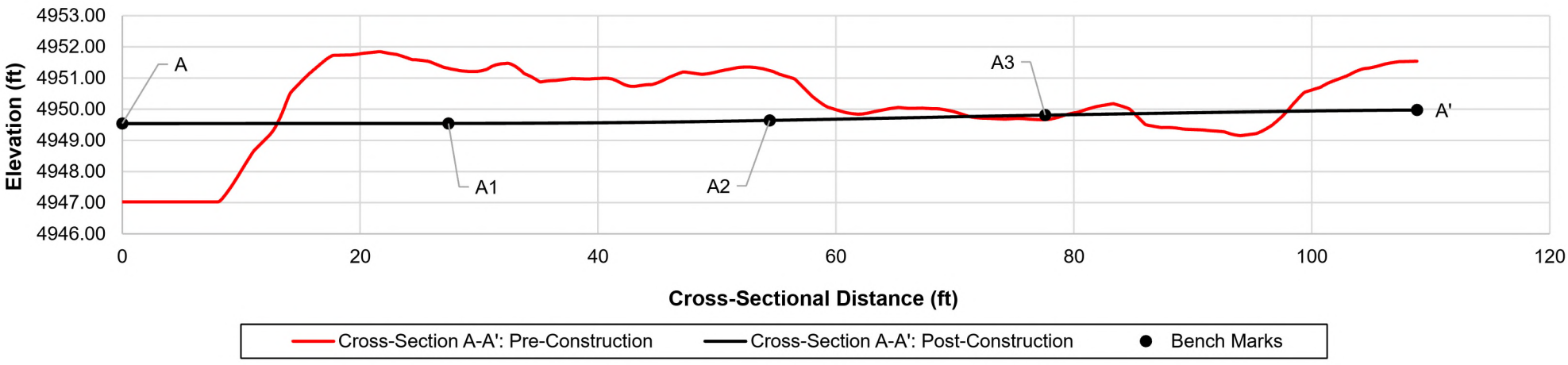
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

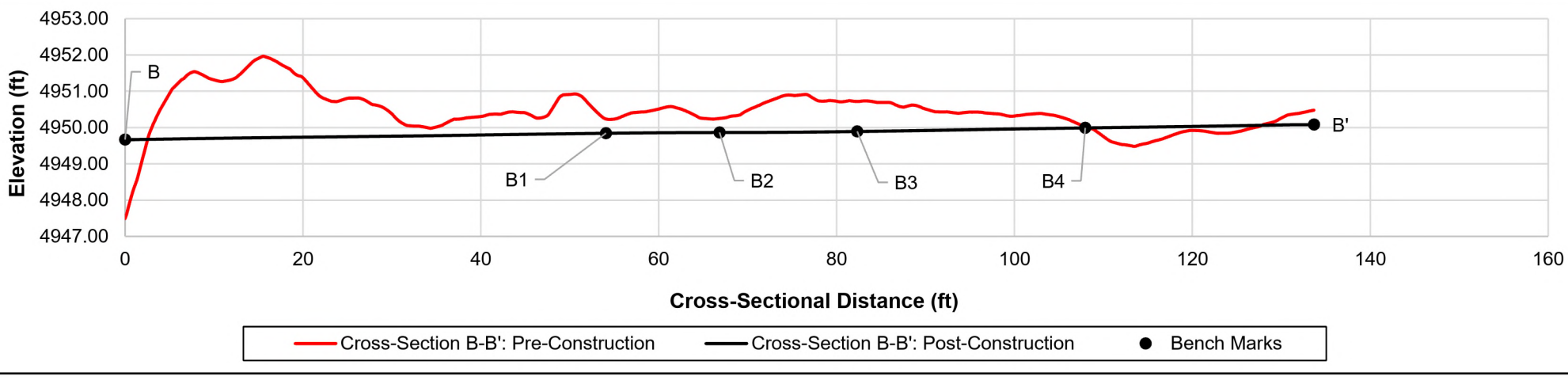
Longitudinal Profile (USB-DSB)



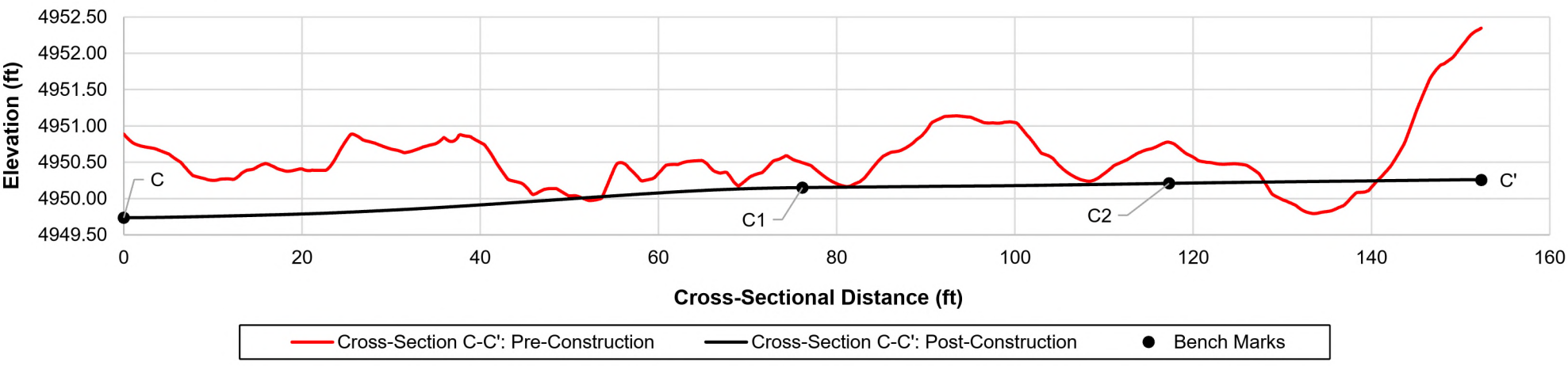
Cross-Section A-A'



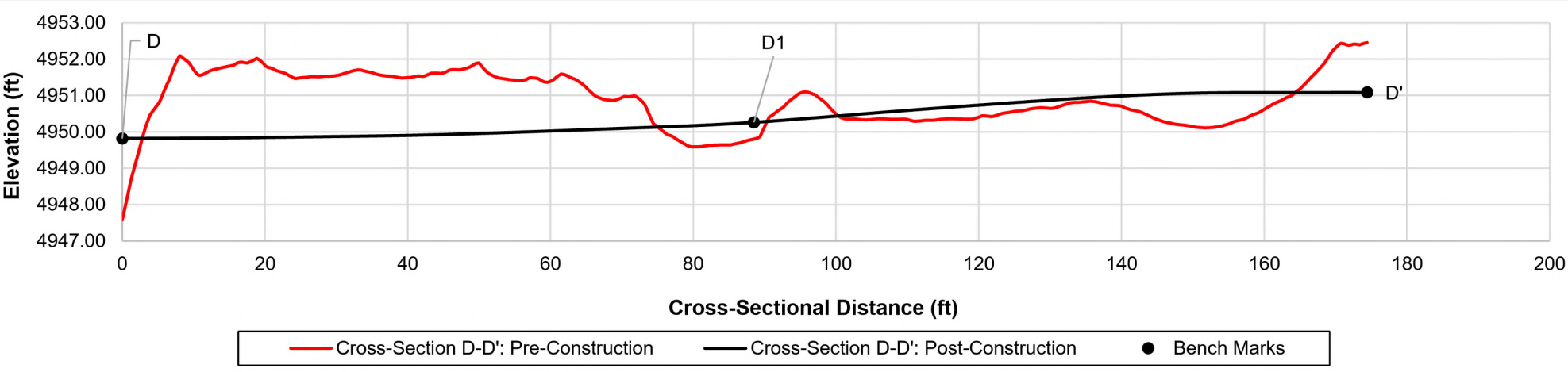
Cross-Section B-B'



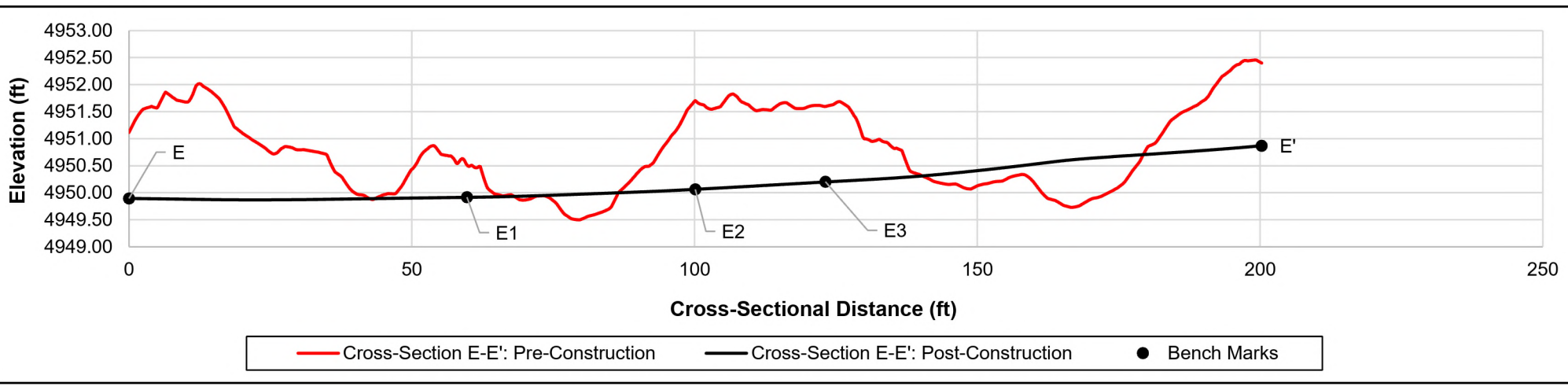
Cross-Section C-C'



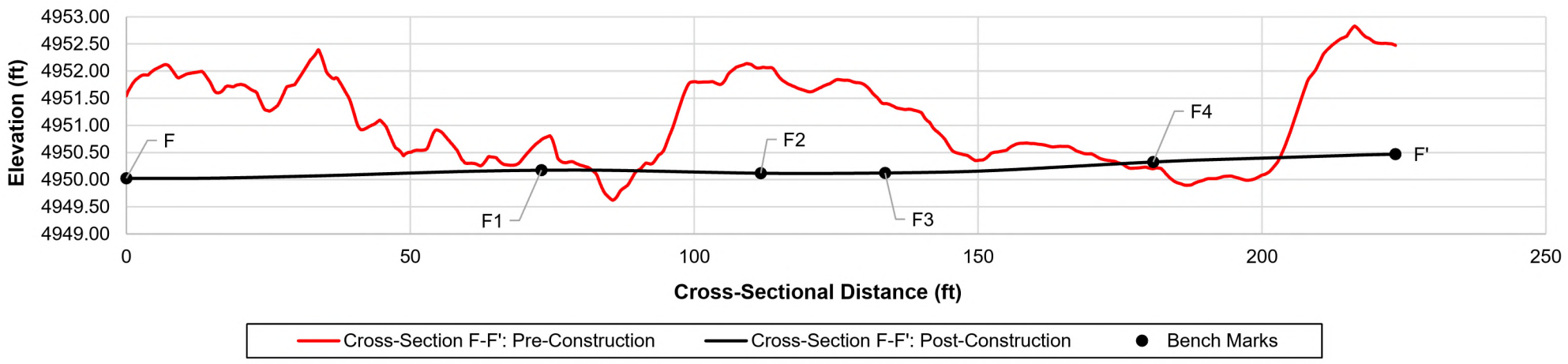
Cross-Section D-D'



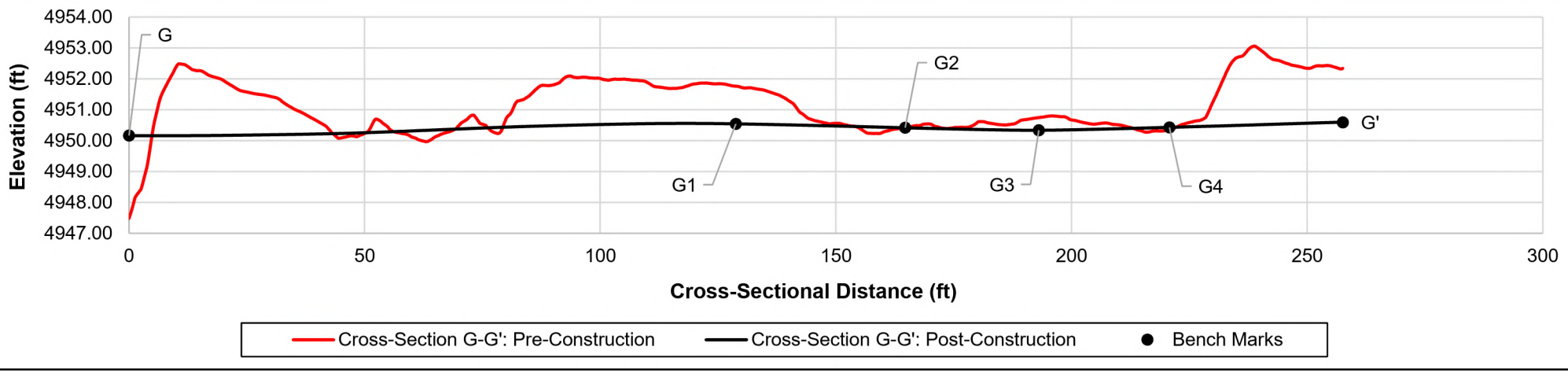
Cross-Section E-E'



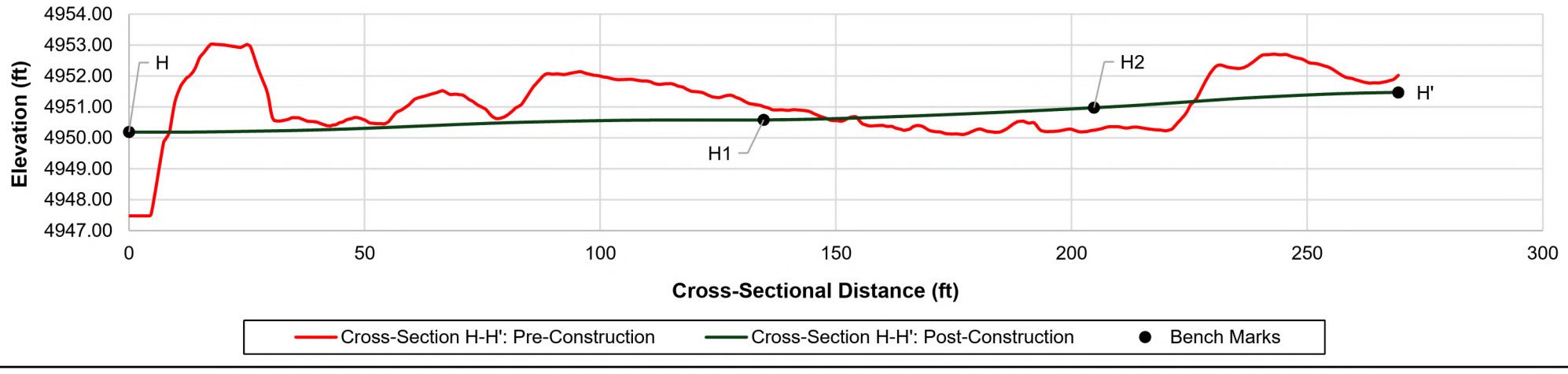
Cross-Section F-F'



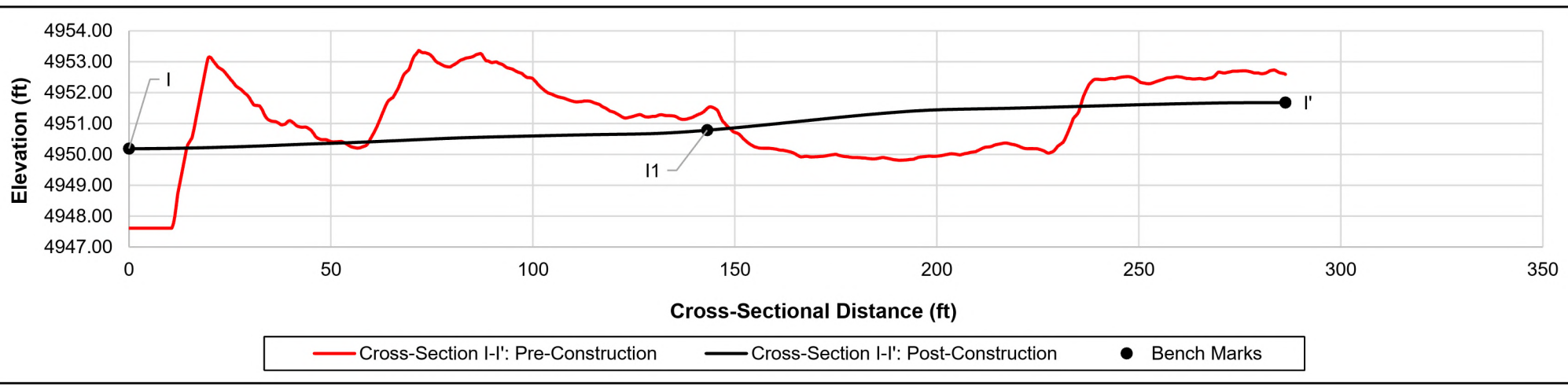
Cross-Section G-G'



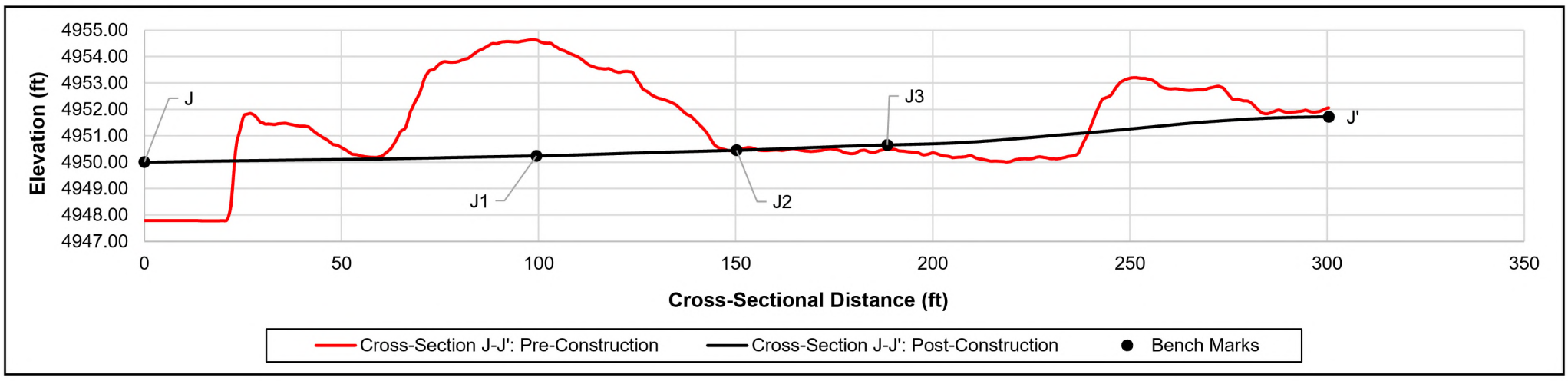
Cross-Section H-H'



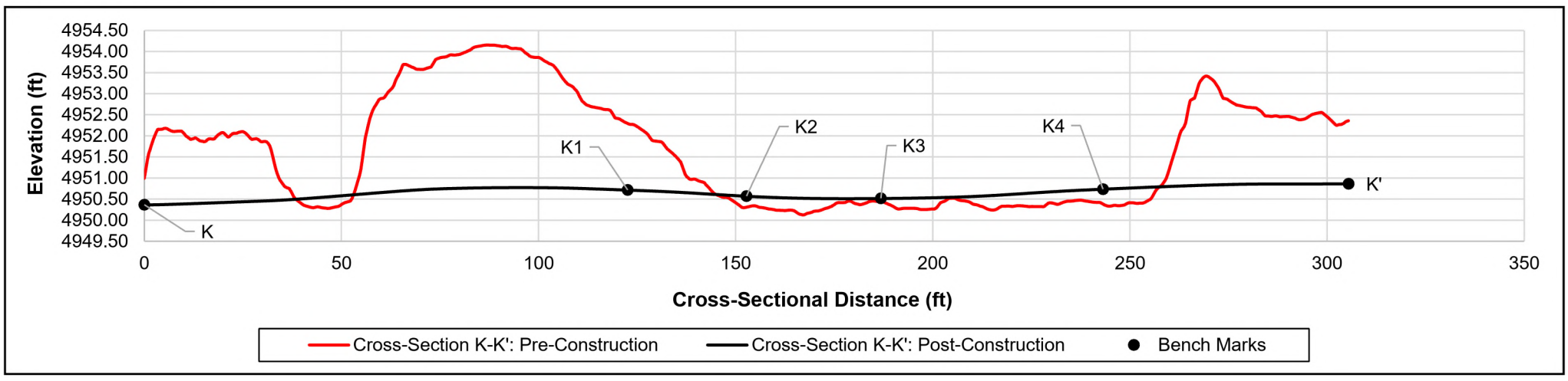
Cross-Section I-I'



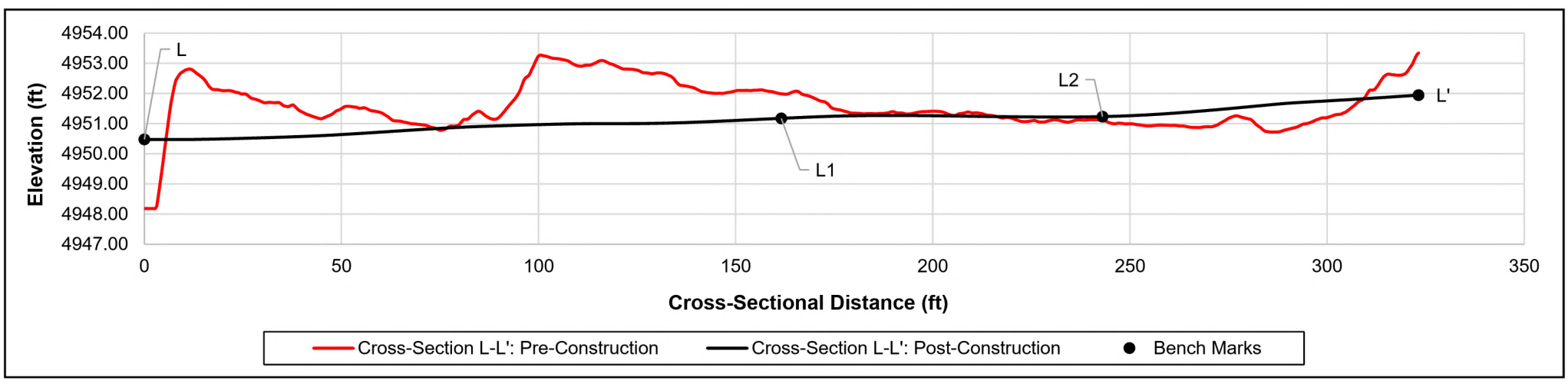
Cross-Section J-J'



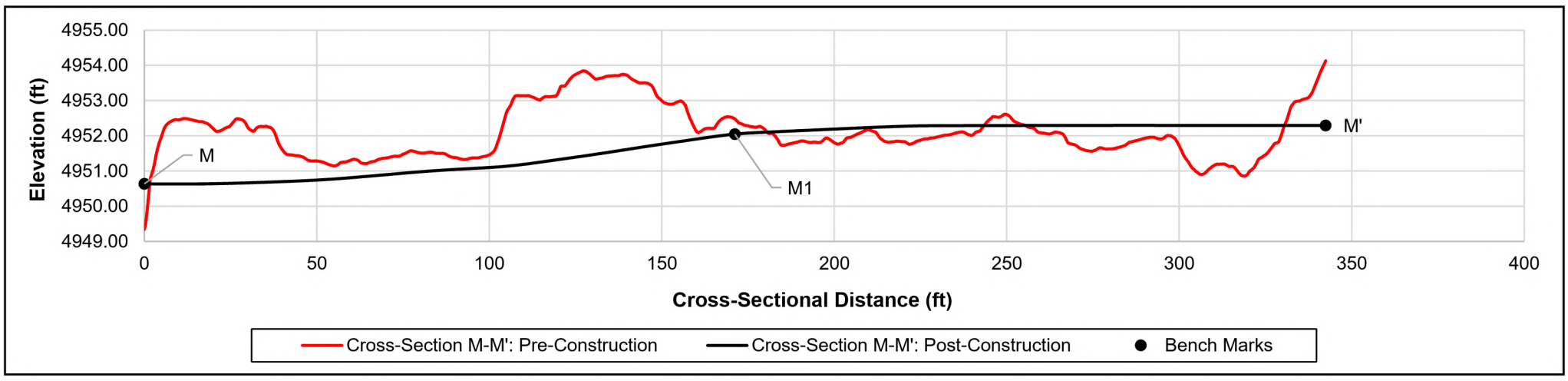
Cross-Section K-K'



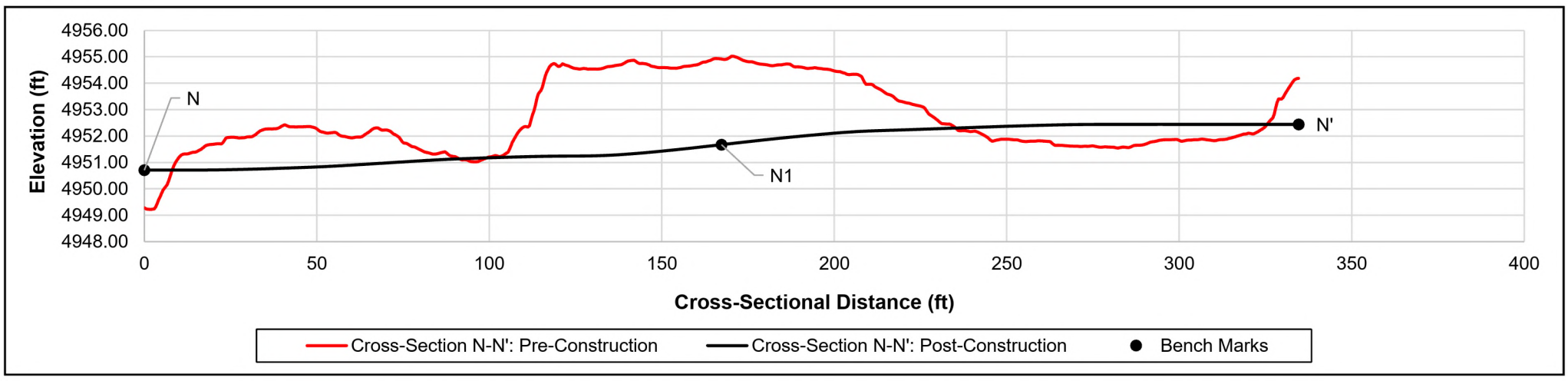
Cross-Section L-L'



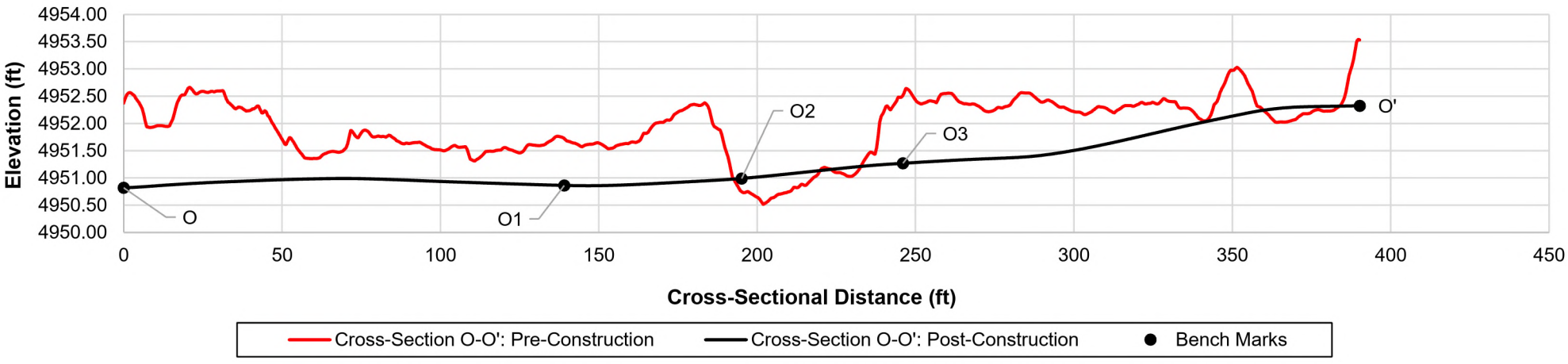
Cross-Section M-M'



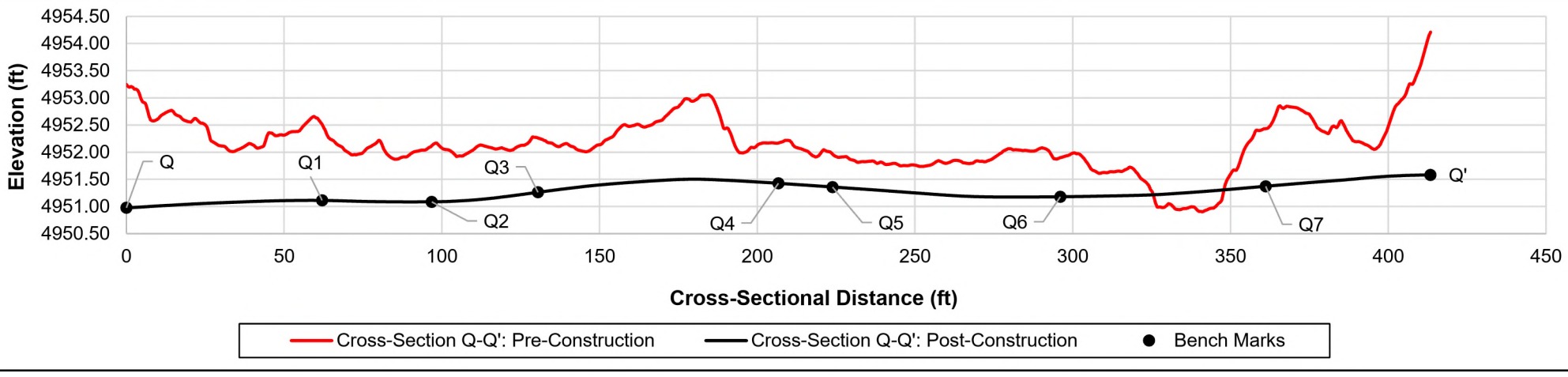
Cross-Section N-N'



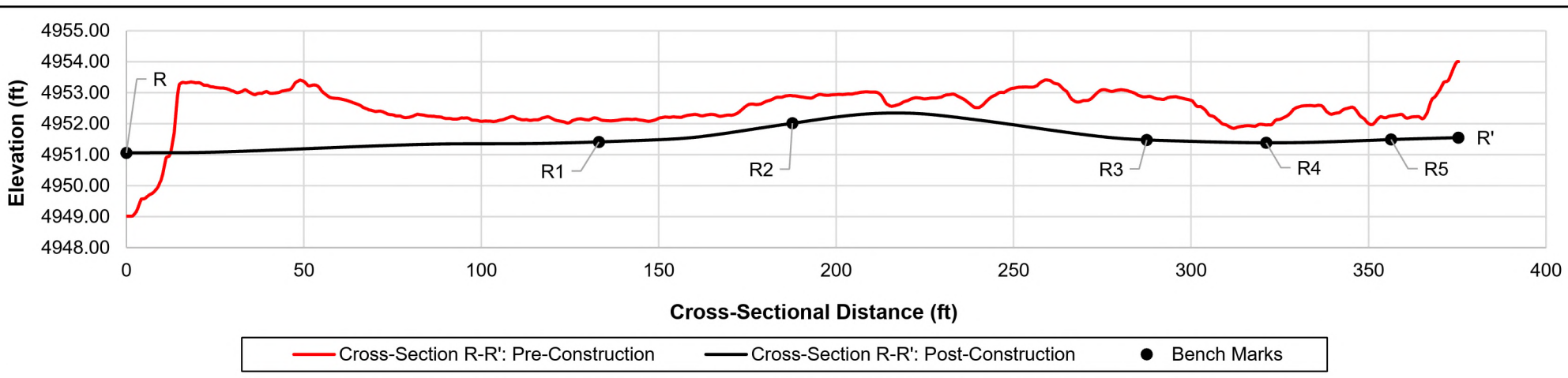
Cross-Section O-O'



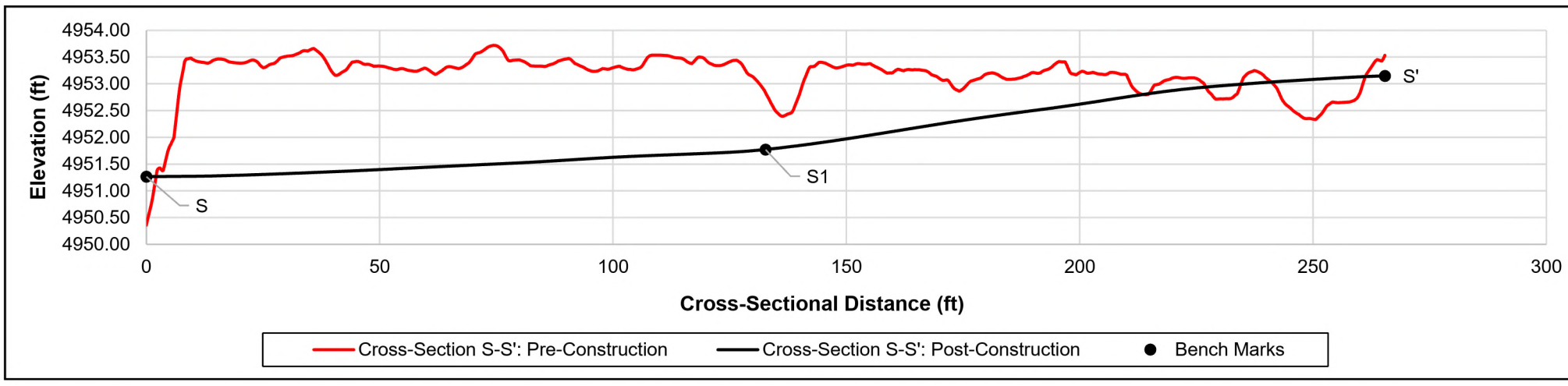
Cross-Section Q-Q'



Cross-Section R-R'



Cross-Section S-S'

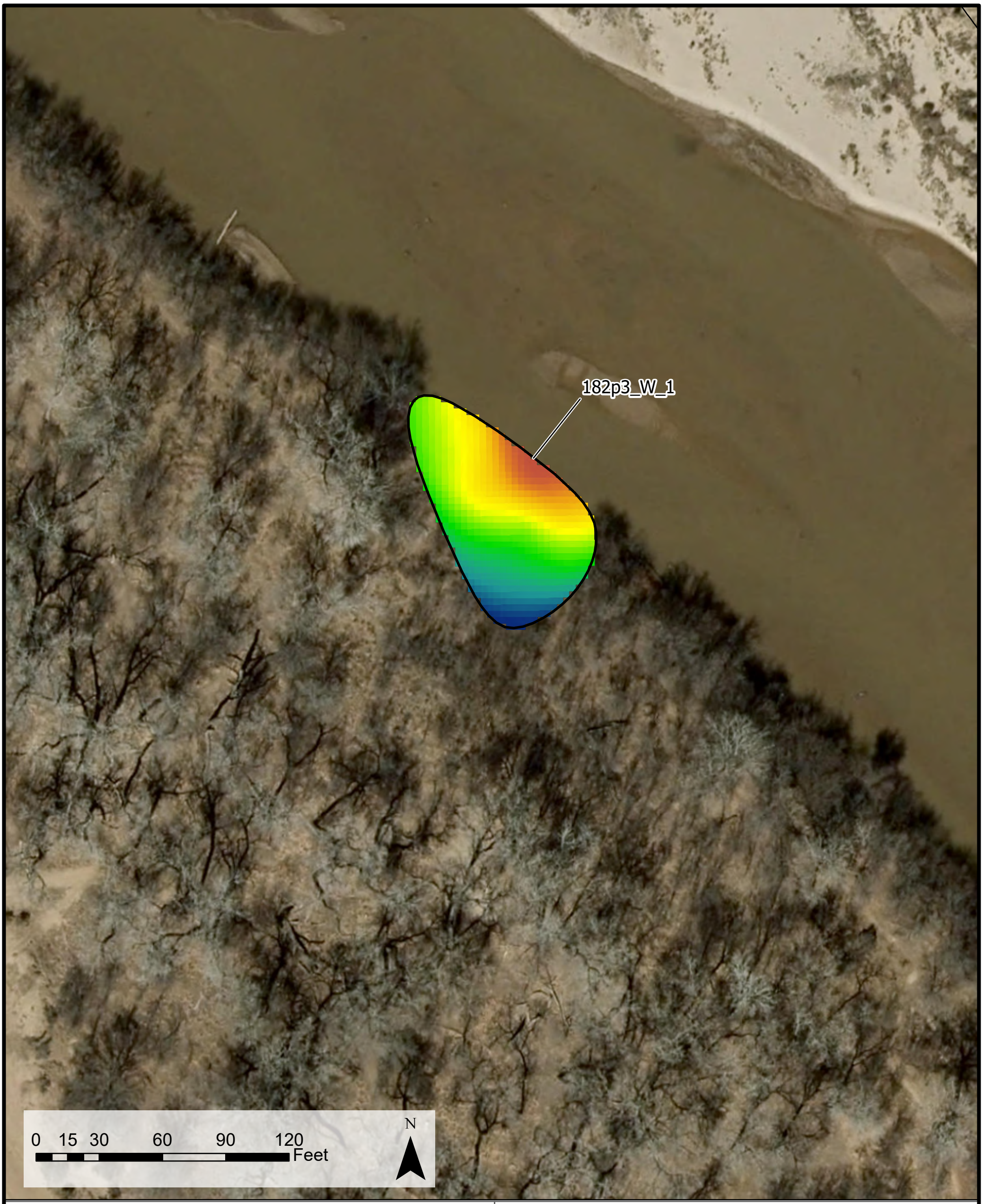


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through S represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4948.87

4948.63

Title

Site 182p3_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.2

Title
Site 182p3_W_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

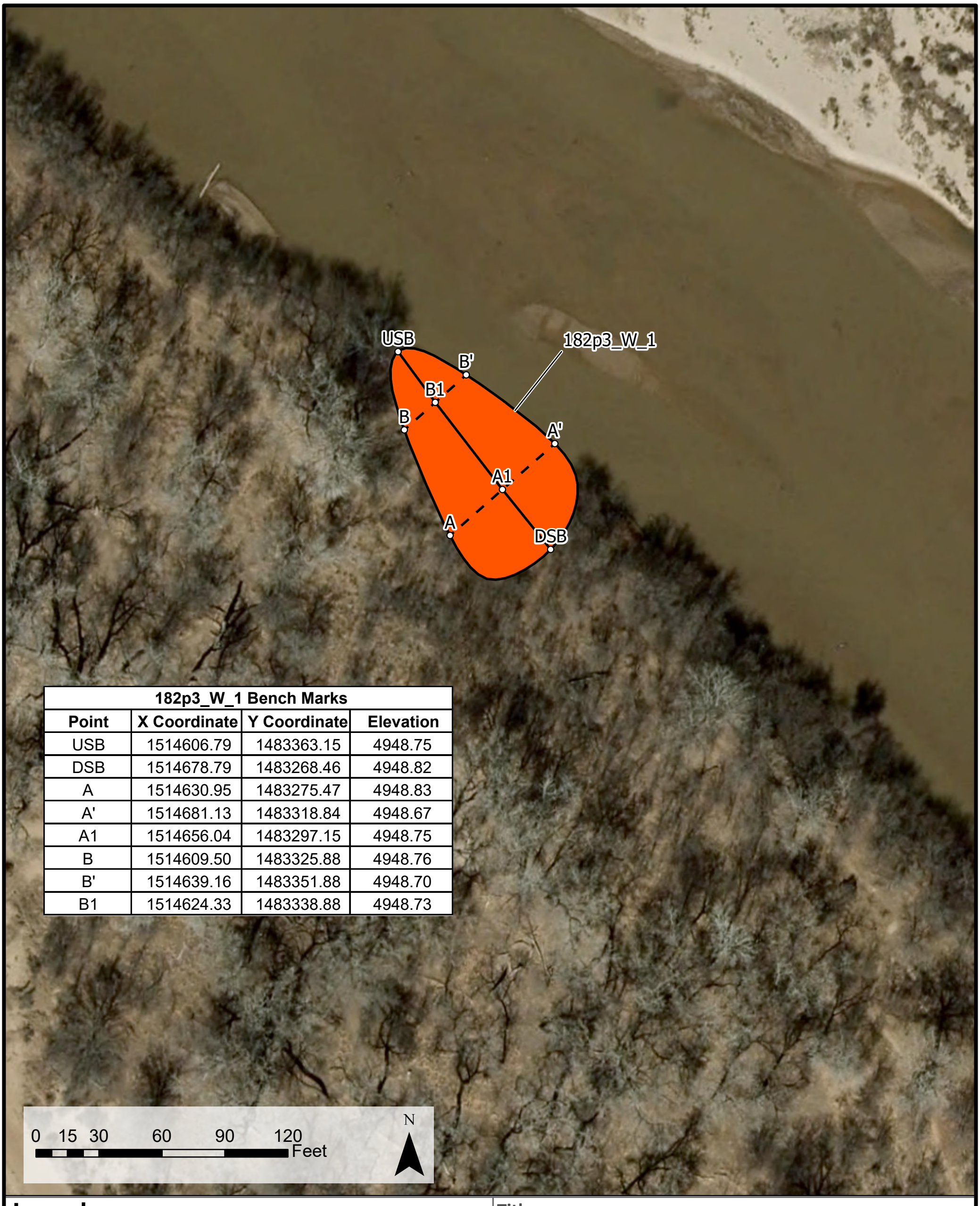
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



182p3_W_1 Bench Marks			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1514606.79	1483363.15	4948.75
DSB	1514678.79	1483268.46	4948.82
A	1514630.95	1483275.47	4948.83
A'	1514681.13	1483318.84	4948.67
A1	1514656.04	1483297.15	4948.75
B	1514609.50	1483325.88	4948.76
B'	1514639.16	1483351.88	4948.70
B1	1514624.33	1483338.88	4948.73

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features

- Mouth Cleanout

Title

Site 182p3_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

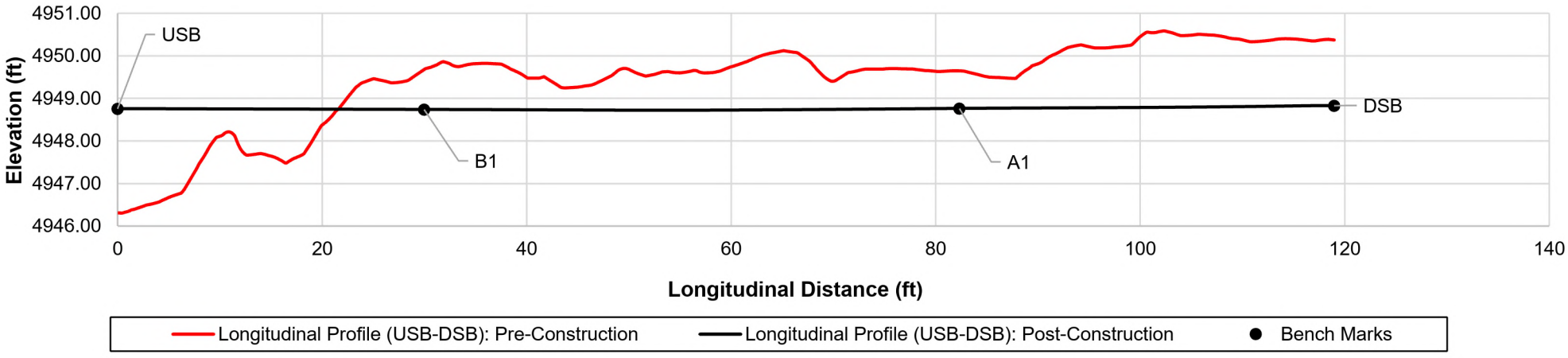
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

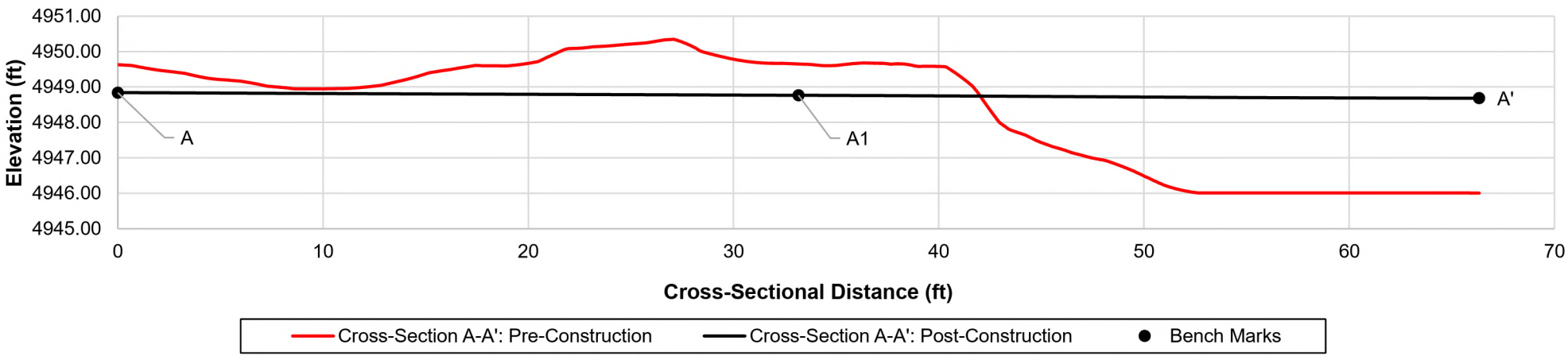
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

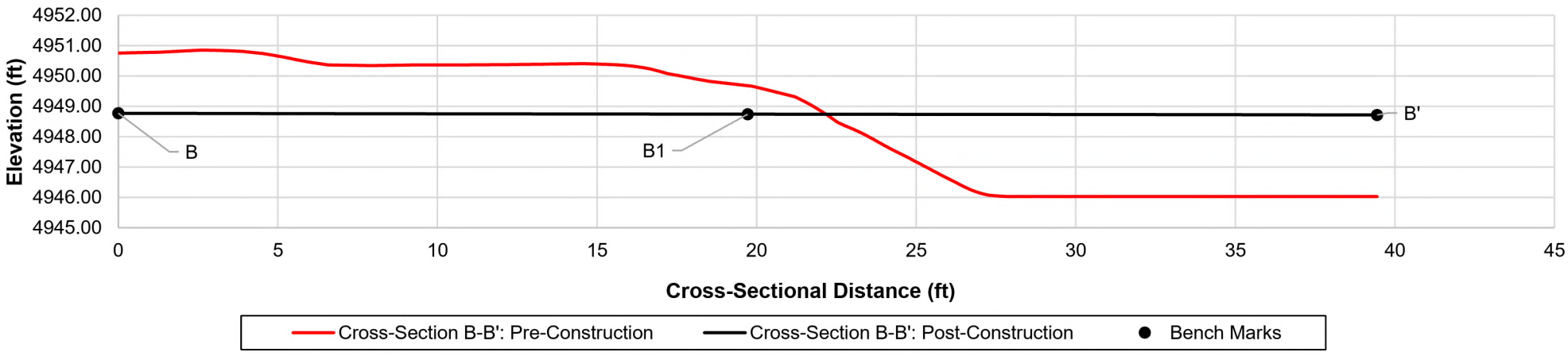
Longitudinal Profile (USB-DSB)



Cross-Section A-A'



Cross-Section B-B'

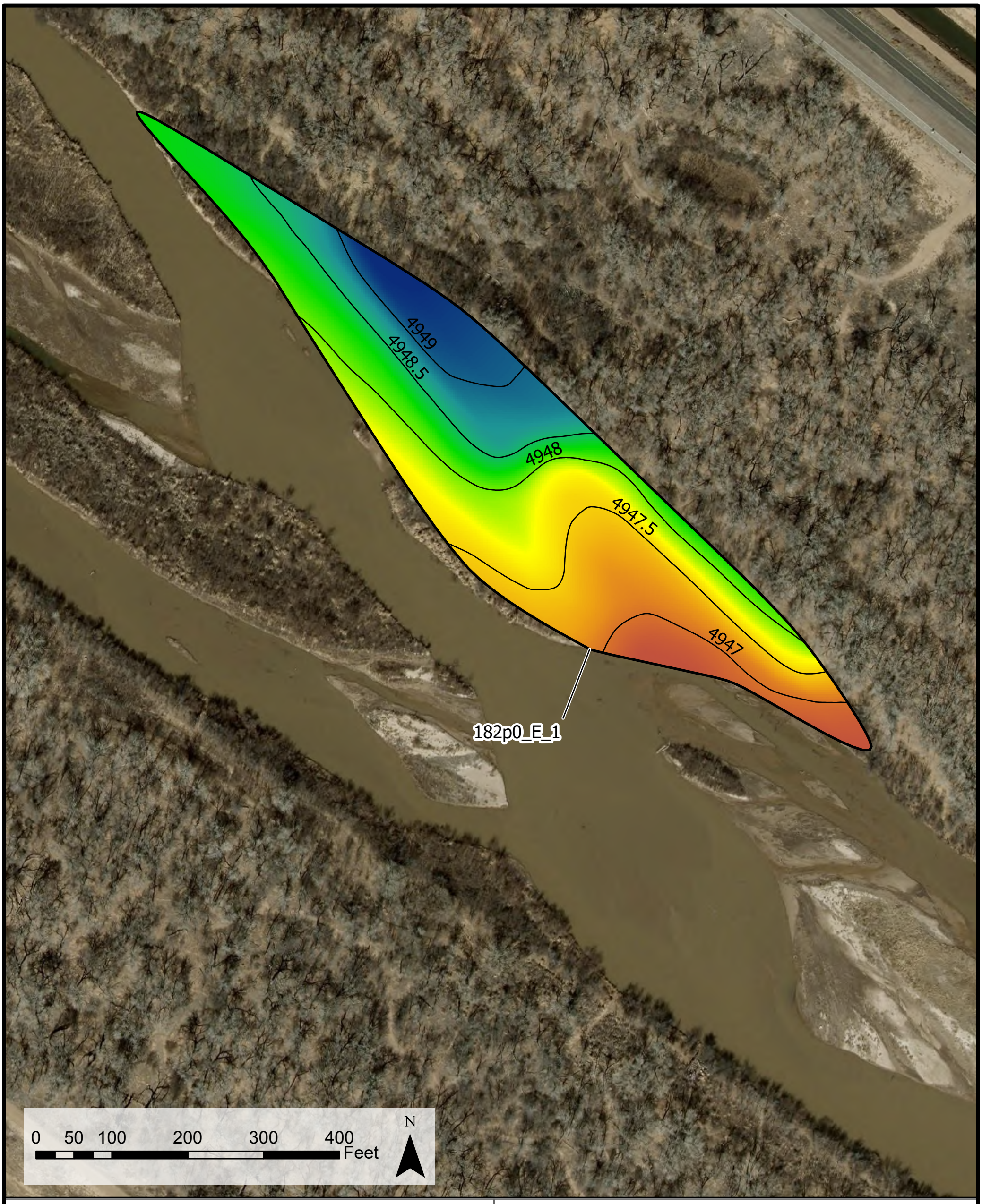


Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through B represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
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- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
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- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.



Legend

HR Sites

1/2ft Contours

Elevation (ft)

4949.28

4946.69

Title

Site 182p0_E_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

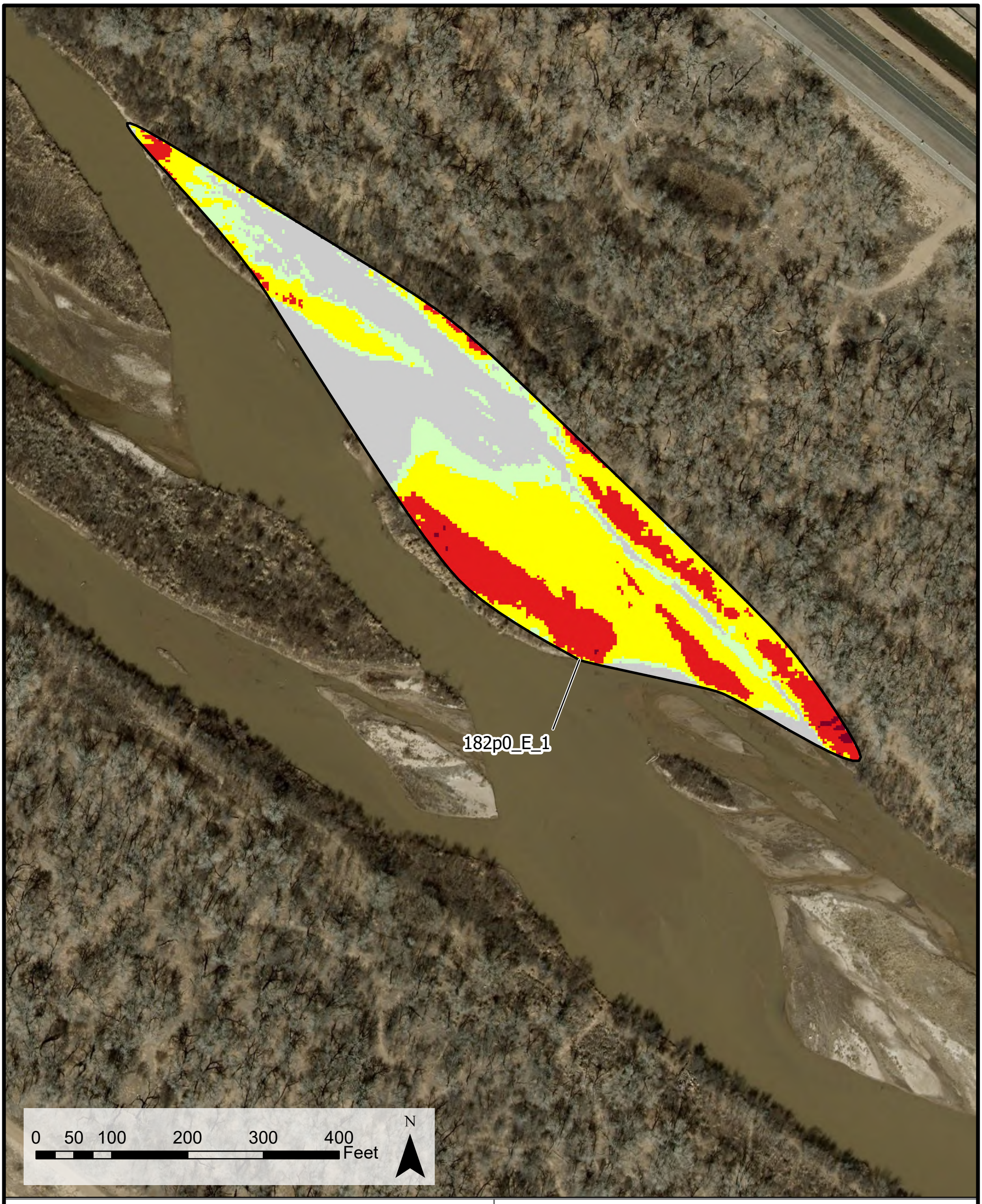
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

- No Excavation
- 0-0.5
- 0.5-1.5
- 1.5-2.5
- 2.5-3.4

Title
Site 182p0_E_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

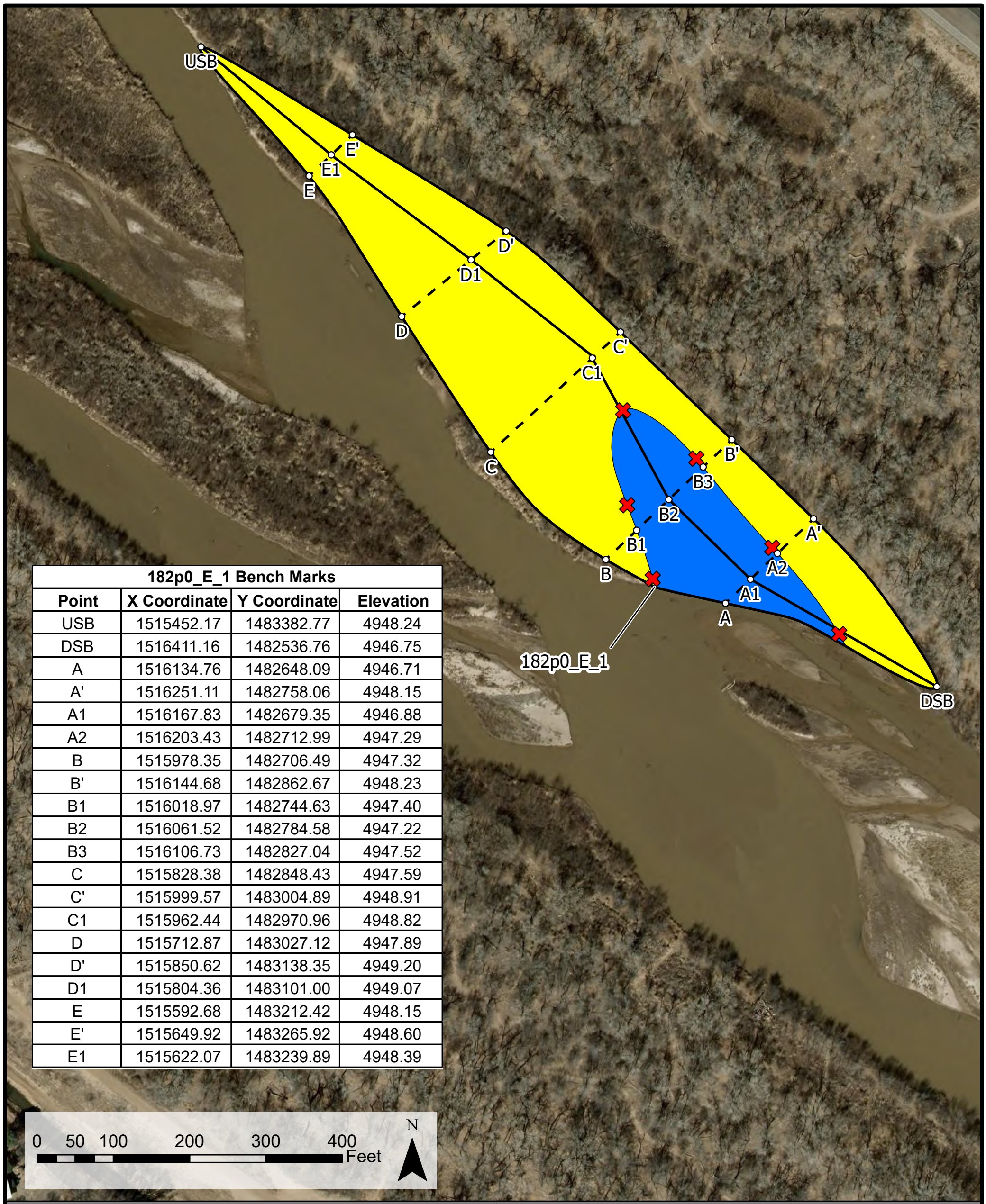
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



182p0_E_1 Bench Marks

Point	X Coordinate	Y Coordinate	Elevation
USB	1515452.17	1483382.77	4948.24
DSB	1516411.16	1482536.76	4946.75
A	1516134.76	1482648.09	4946.71
A'	1516251.11	1482758.06	4948.15
A1	1516167.83	1482679.35	4946.88
A2	1516203.43	1482712.99	4947.29
B	1515978.35	1482706.49	4947.32
B'	1516144.68	1482862.67	4948.23
B1	1516018.97	1482744.63	4947.40
B2	1516061.52	1482784.58	4947.22
B3	1516106.73	1482827.04	4947.52
C	1515828.38	1482848.43	4947.59
C'	1515999.57	1483004.89	4948.91
C1	1515962.44	1482970.96	4948.82
D	1515712.87	1483027.12	4947.89
D'	1515850.62	1483138.35	4949.20
D1	1515804.36	1483101.00	4949.07
E	1515592.68	1483212.42	4948.15
E'	1515649.92	1483265.92	4948.60
E1	1515622.07	1483239.89	4948.39

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- Woody Debris
- HR Sites

HR Features

- Backwater
- Bankline Modification

Title
Site 182p0_E_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

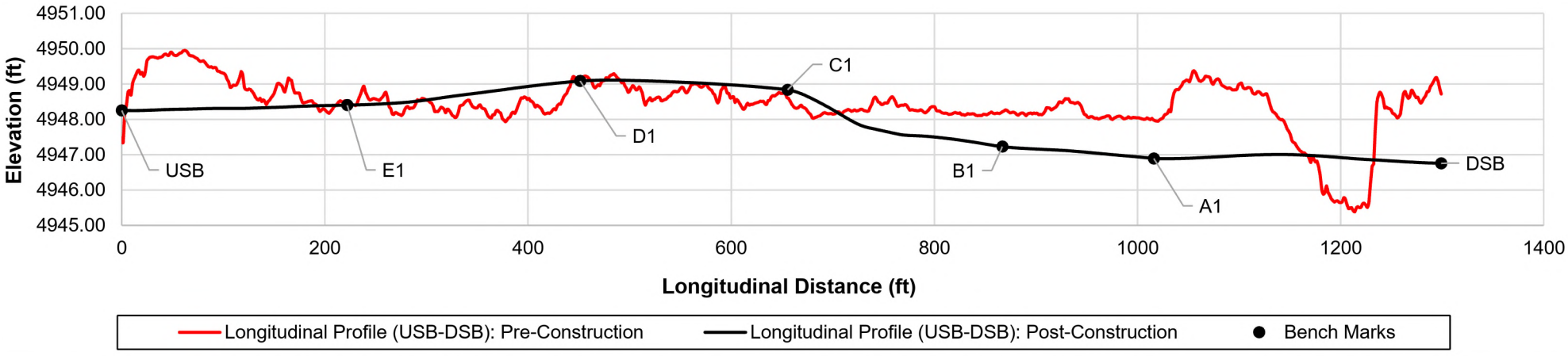
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

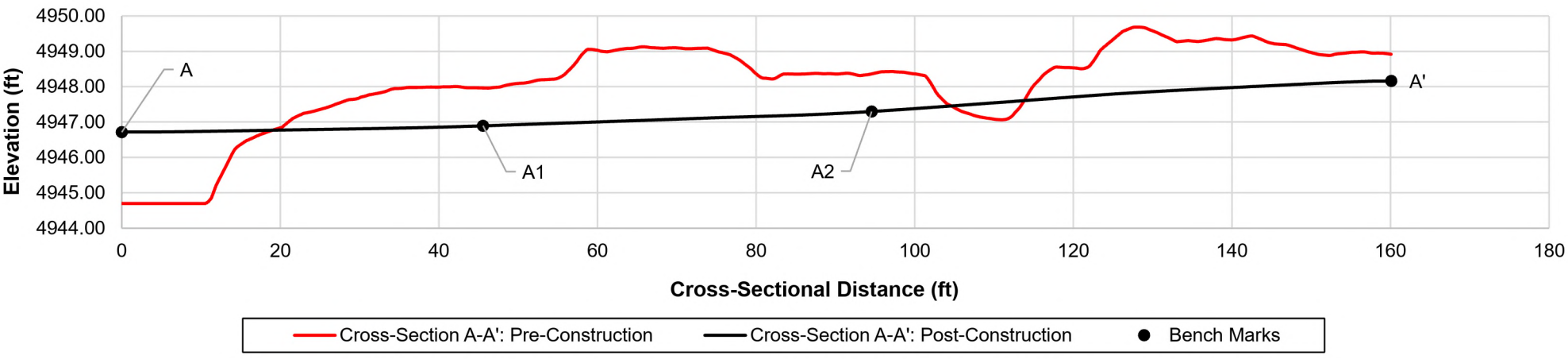
Revision: 0

GSA GeoSystems Analysis, Inc. *Innovative Solutions*

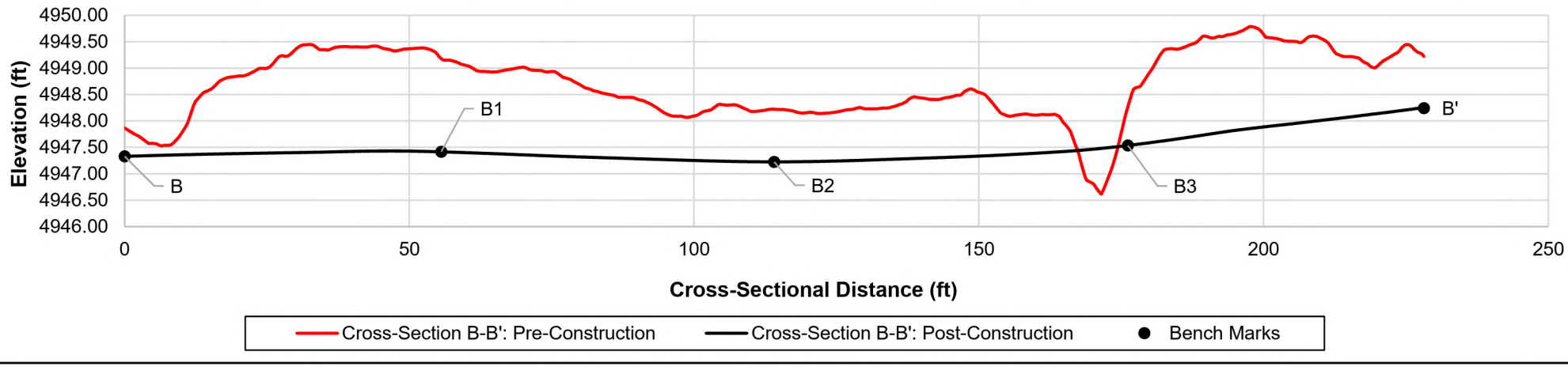
Longitudinal Profile (USB-DSB)



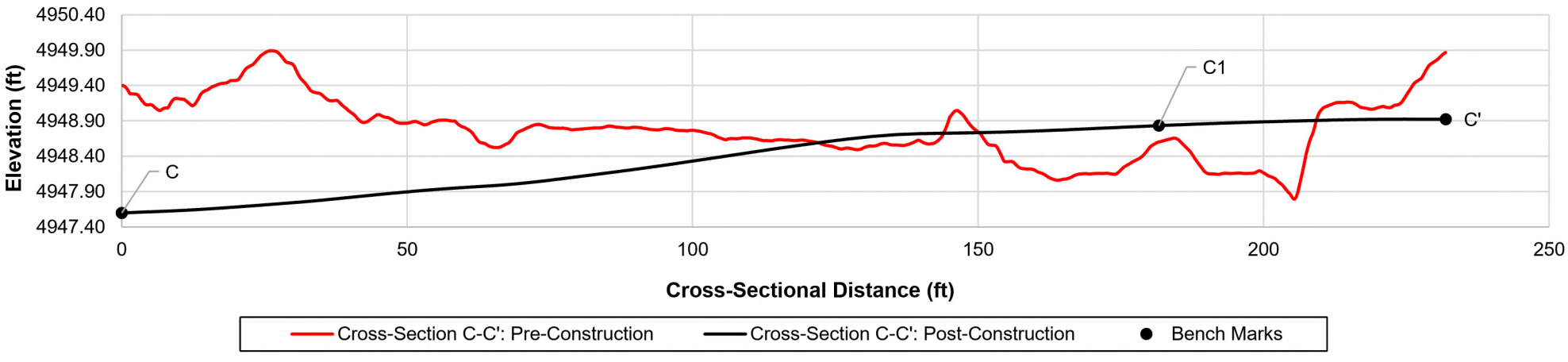
Cross-Section A-A'



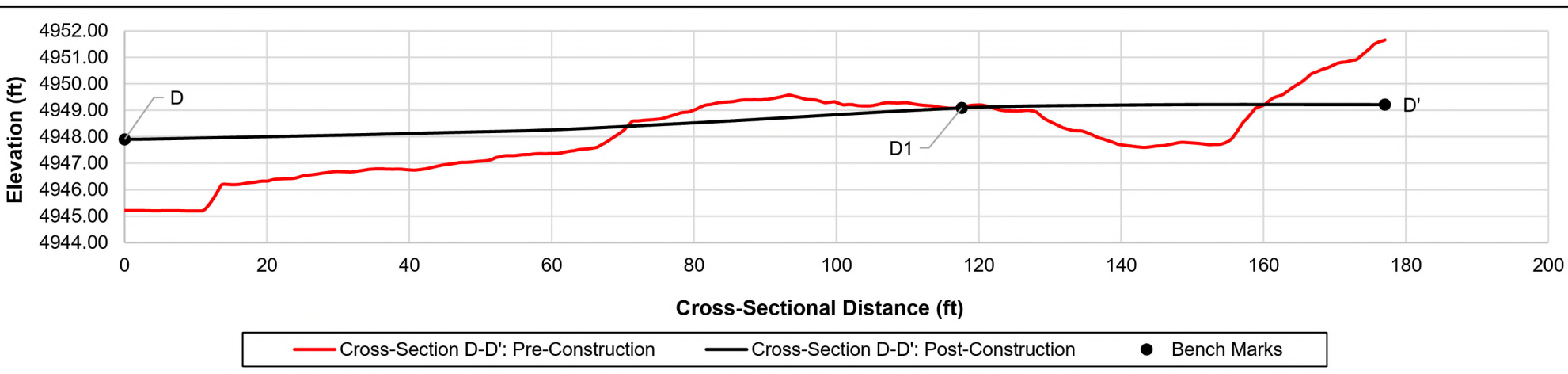
Cross-Section B-B'



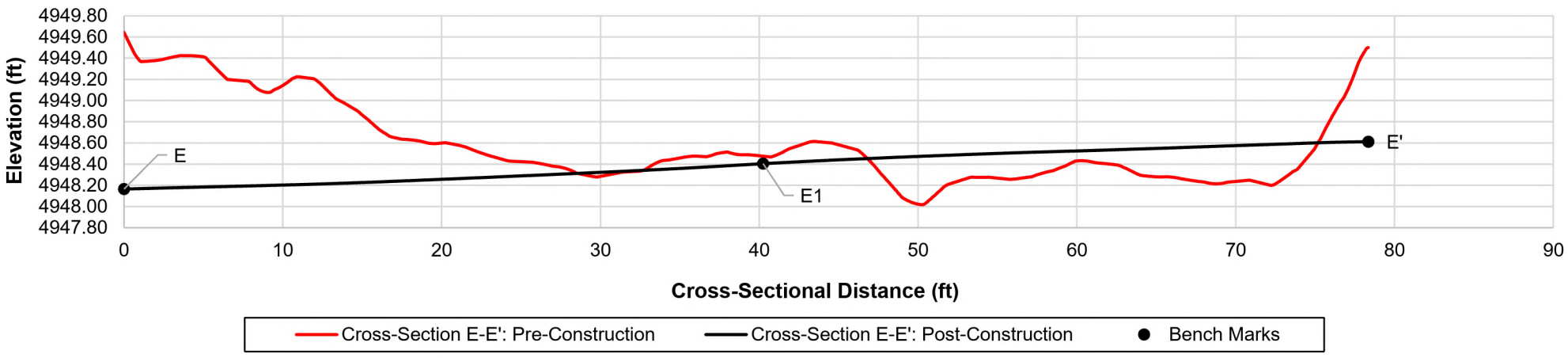
Cross-Section C-C'



Cross-Section D-D'



Cross-Section E-E'

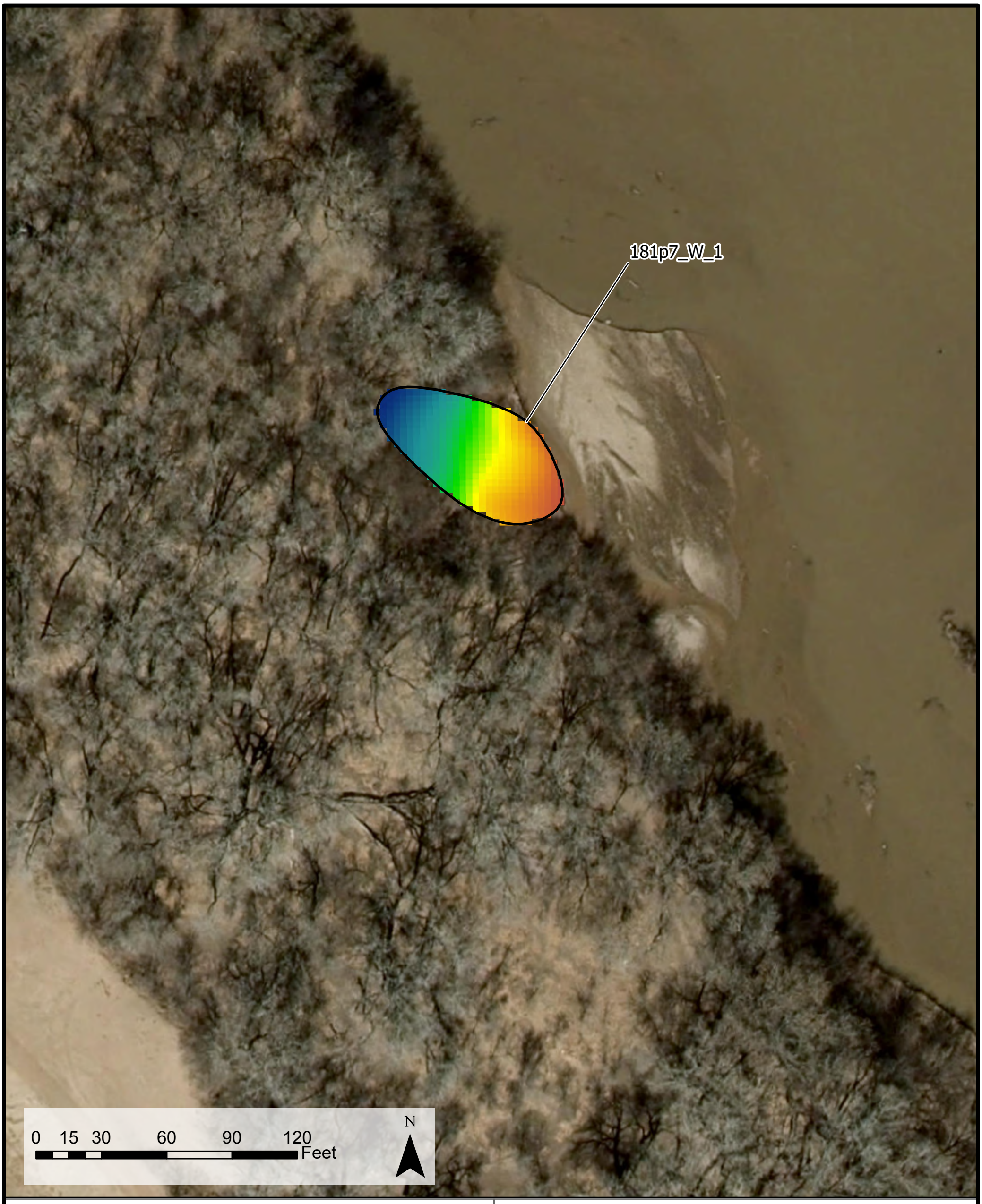


Notes:

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Construction Specifications:

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Legend

HR Sites

1/2ft Contours

Elevation (ft)

4945.97

4945.62

Title

Site 181p7_W_1 Post-Construction Contours and Elevation Grid

Project Name

NMISC ABQ Habitat Restoration

Client Name

New Mexico Interstate Stream Commission

Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



Legend

HR Sites

Excavation Depth (ft)

No Excavation

0-0.5

0.5-1.5

1.5-2.6

Title
Site 181p7_W_1 Excavation Depths

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

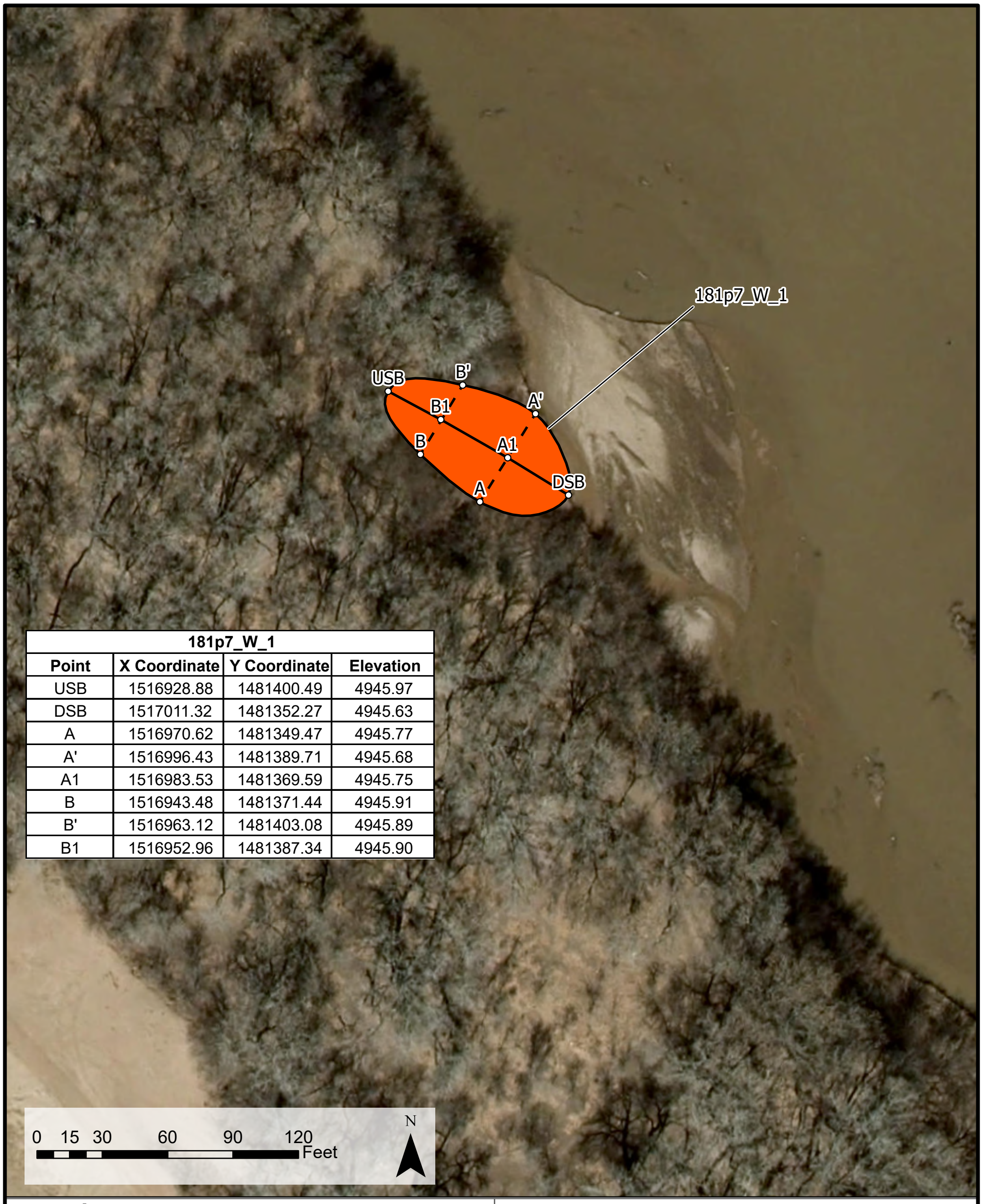
Spatial Reference

Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions



181p7_W_1			
Point	**X Coordinate**	**Y Coordinate**	**Elevation**
USB	1516928.88	1481400.49	4945.97
DSB	1517011.32	1481352.27	4945.63
A	1516970.62	1481349.47	4945.77
A'	1516996.43	1481389.71	4945.68
A1	1516983.53	1481369.59	4945.75
B	1516943.48	1481371.44	4945.91
B'	1516963.12	1481403.08	4945.89
B1	1516952.96	1481387.34	4945.90

Legend

- HR Benchmarks
- Longitudinal Profiles
- Cross Sections
- HR Sites

HR Features
- Mouth Cleanout

Title
Site 181p7_W_1 Post-Construction Longitudinal Profile, Cross-Sections, Benchmarks, and Woody Debris

Project Name
NMISC ABQ Habitat Restoration

Client Name
New Mexico Interstate Stream Commission

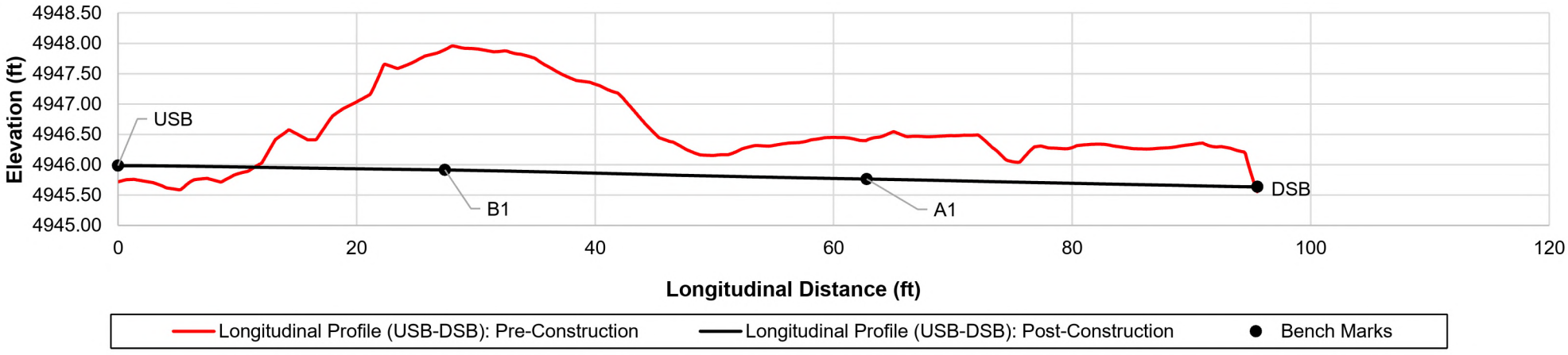
Spatial Reference
Name: NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet
Datum: North American 1983

GSA Project #: 2402

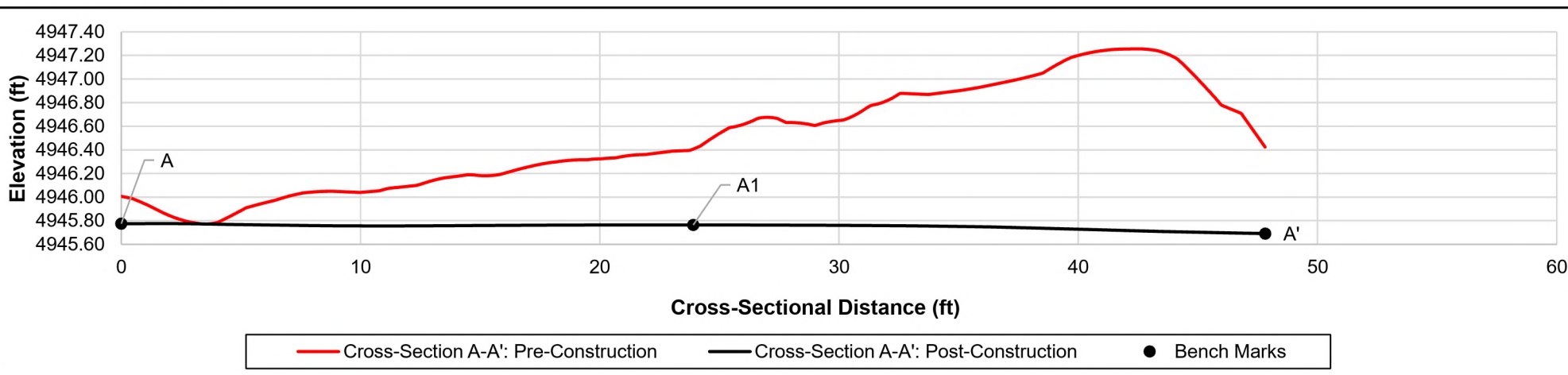
Revision: 0

GSA GeoSystems Analysis, Inc.
Innovative Solutions

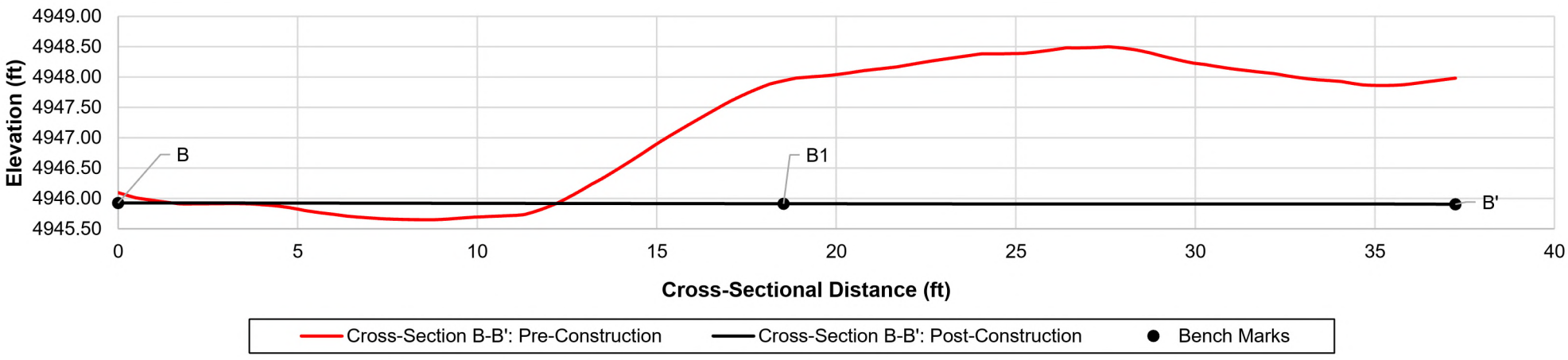
Longitudinal Profile (USB-DSB)



Cross-Section A-A'



Cross-Section B-B'



Notes:

USB = Upstream Boundary, DSB = Downstream Boundary, Letters A through B represent cross-sections from downstream to upstream.

Construction Specifications:

- Only use designated access roads for ingress and egress in the feature, as specified on design drawings. All access roads will be seeded following excavation. More detailed seeding specifications are provided in the specification document.
- Do not disturb vegetation or soils outside of the designated work area (feature perimeter, haul roads, spoil areas).
- Remove all existing vegetation and debris from the feature unless plants are marked with flagging for keeping. Vegetation can be bulldozed, masticated, or mechanically removed with other equipment at the contractor's discretion.
- Root rake feature and haul organic material and surface soils (to approximately one inch deep) offsite. This material should not be placed in spoil areas.
- Excavate soil to within 0.1 foot of the design elevation unless otherwise agreed on with the funding agency.
- Unless otherwise specified, restrict spoil placement to designated areas indicated on design drawings. Spoil placed on roadways, levees, or along ditch banks will be compacted according to the specification document. Spoils placed between the levee and the river (unless on the levee slope), along foot trails, or within abandoned floodplain terraces should not be compacted.
- In some cases, vegetation removal may also be required within designated access roads and spoil areas.
- Place large woody debris approximately where indicated on the design drawings. Additional specifications for desired materials, stabilizing and anchoring techniques for large woody debris are provided in the construction specification document.