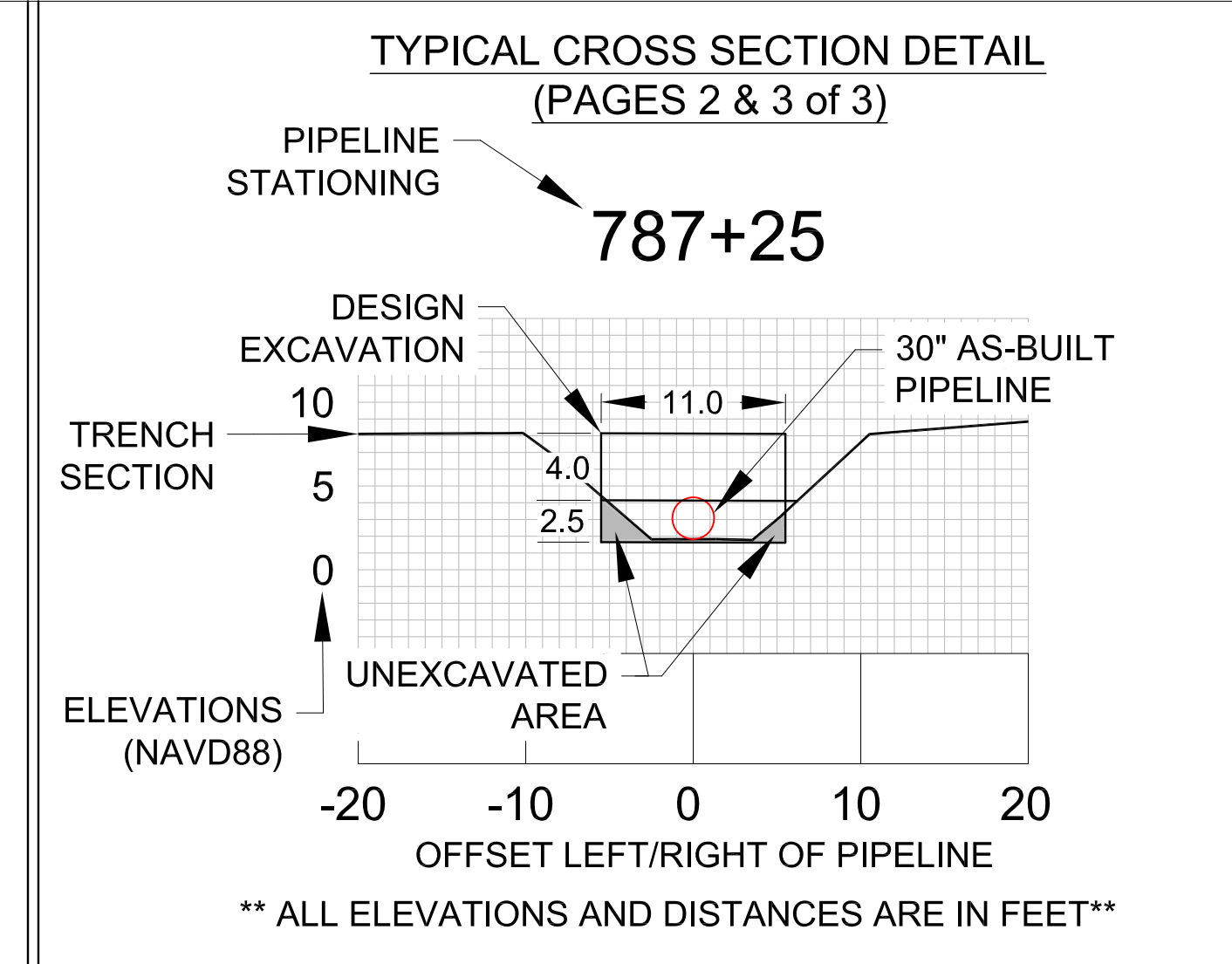


ATTACHMENT 8

AS-BUILT DRAWINGS

SPECTRA PIPELINE EXCAVATION AND MAIN EXCAVATION



LEGEND:

PROPERTY LINE	— P —
ADJACENT LOT LINE	- - - - -
TOP OF TRENCH	— (dashed) —
BOTTOM OF TRENCH	— (dotted) —
AS-BUILT CENTERLINE	— (thick red) —
SURVEYED LOCATION: TOP OF TRENCH	← 7.50
SURVEYED LOCATION: BOTTOM OF TRENCH	← 1.50
PERMANENT EASEMENT	- - - - -
CONSTRUCTION WORKSPACE	- - - - -
EDGE OF PAVED ROAD	— (thick grey) —

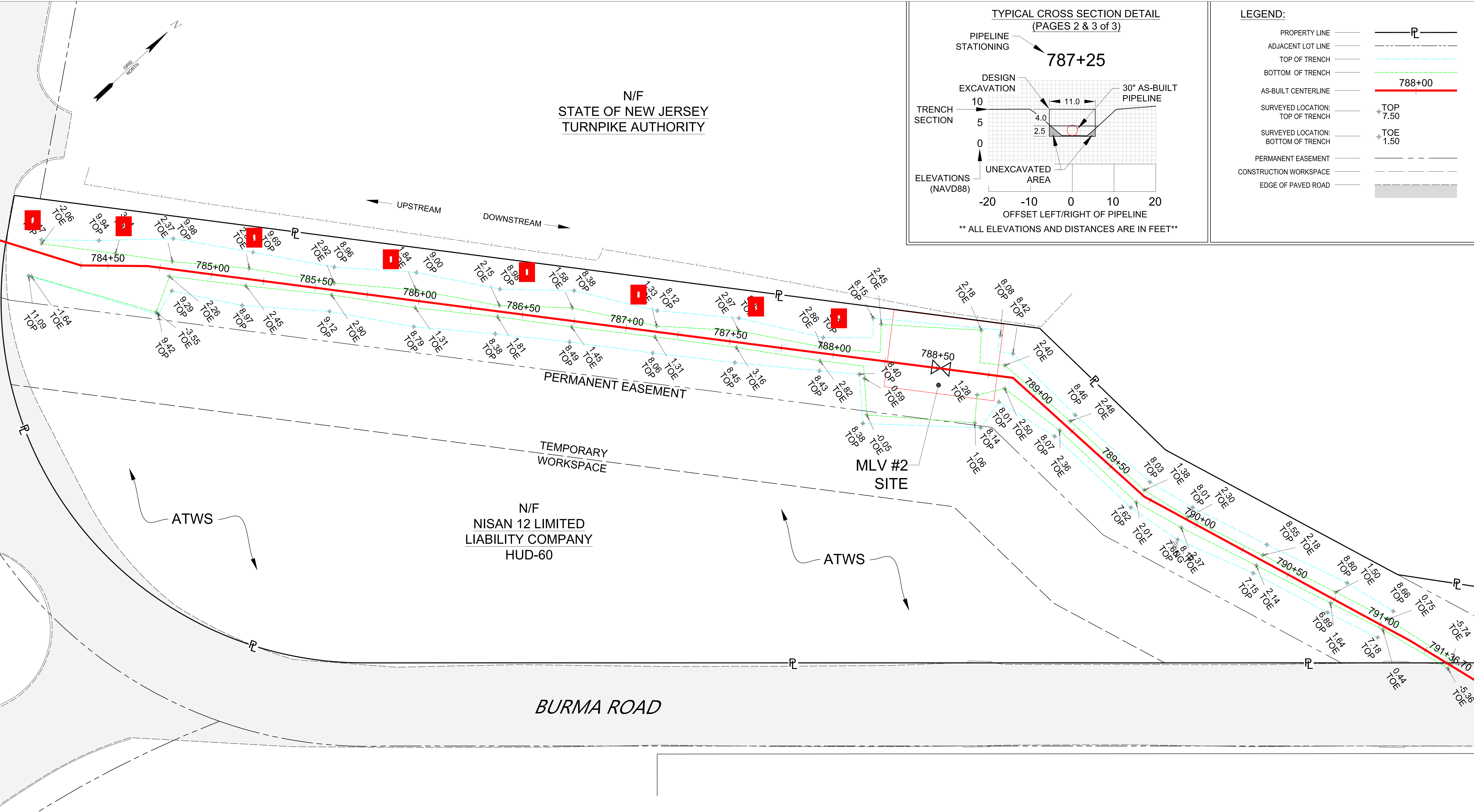


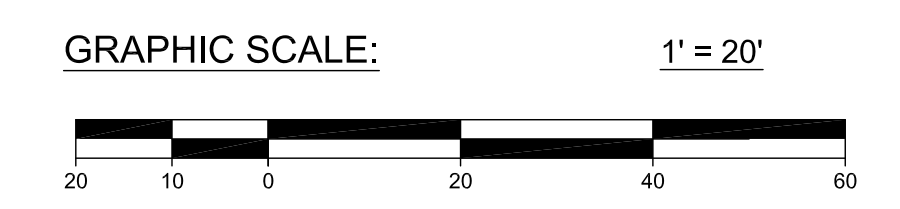
EXHIBIT OF TRENCH EXCAVATION
 NISAN 12 (HUD-60)
 JERSEY CITY, NEW JERSEY
 PREPARED FOR
SPECTRA ENERGY
 150 WARREN STREET, SUITE 201,
 JERSEY CITY, NEW JERSEY 07302

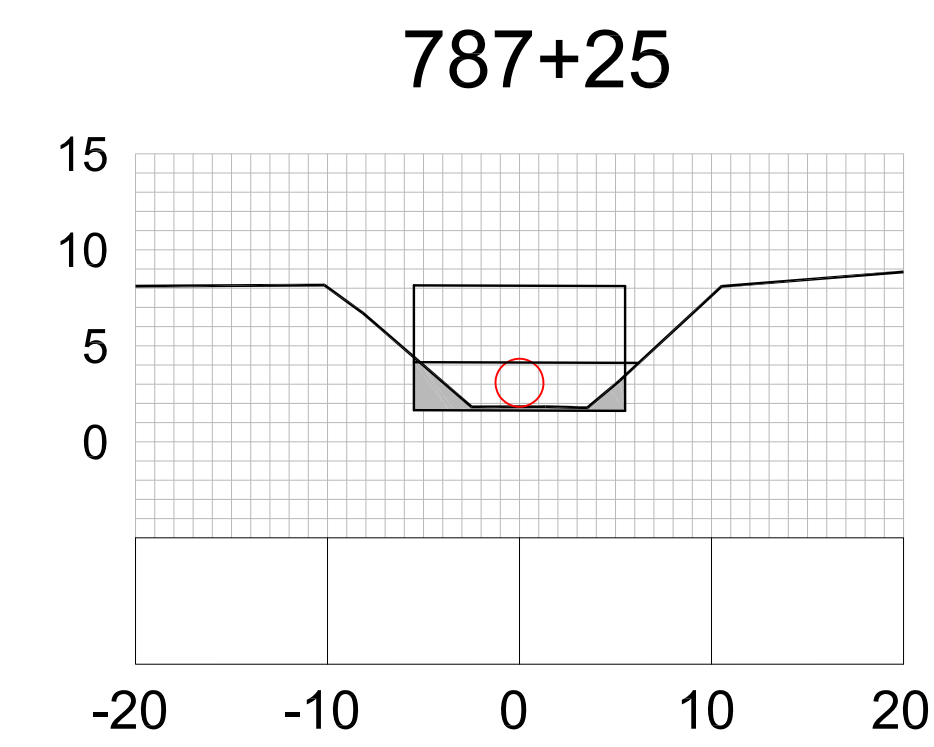
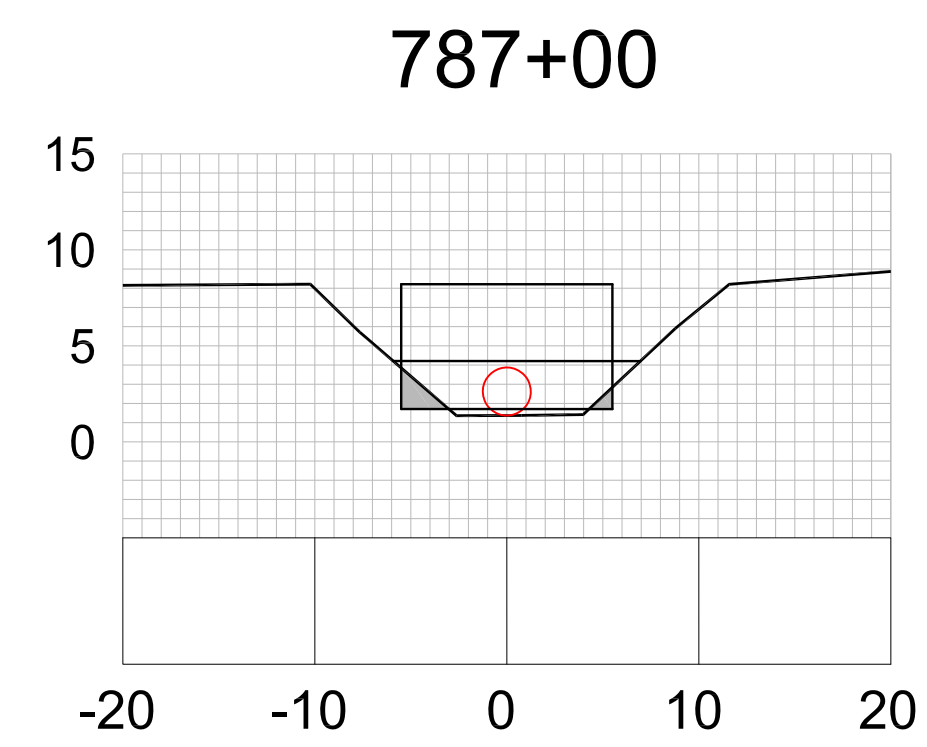
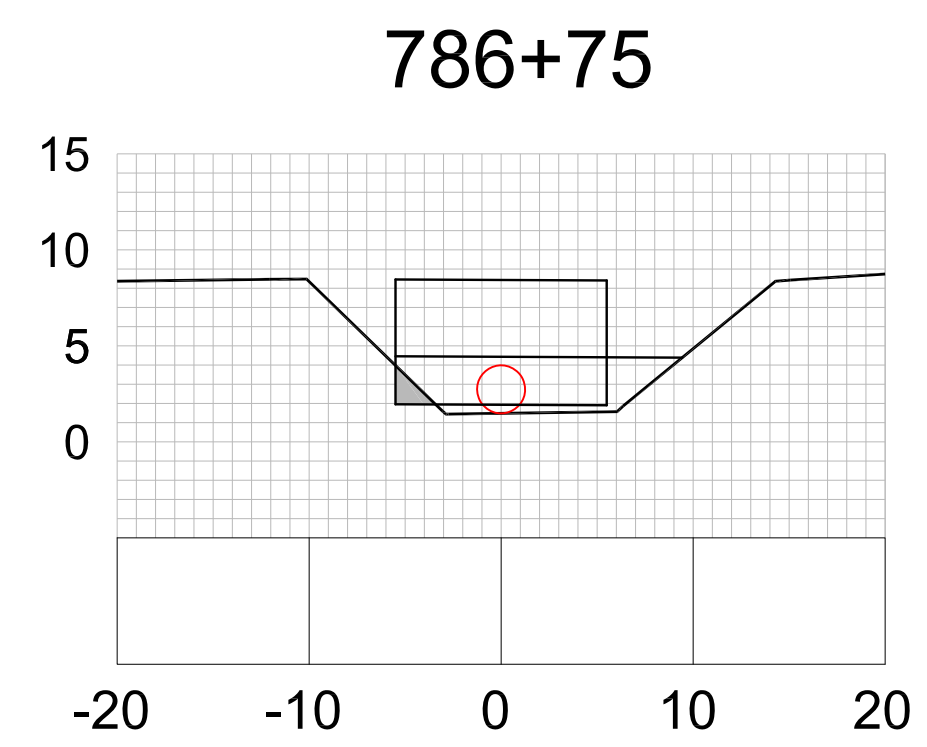
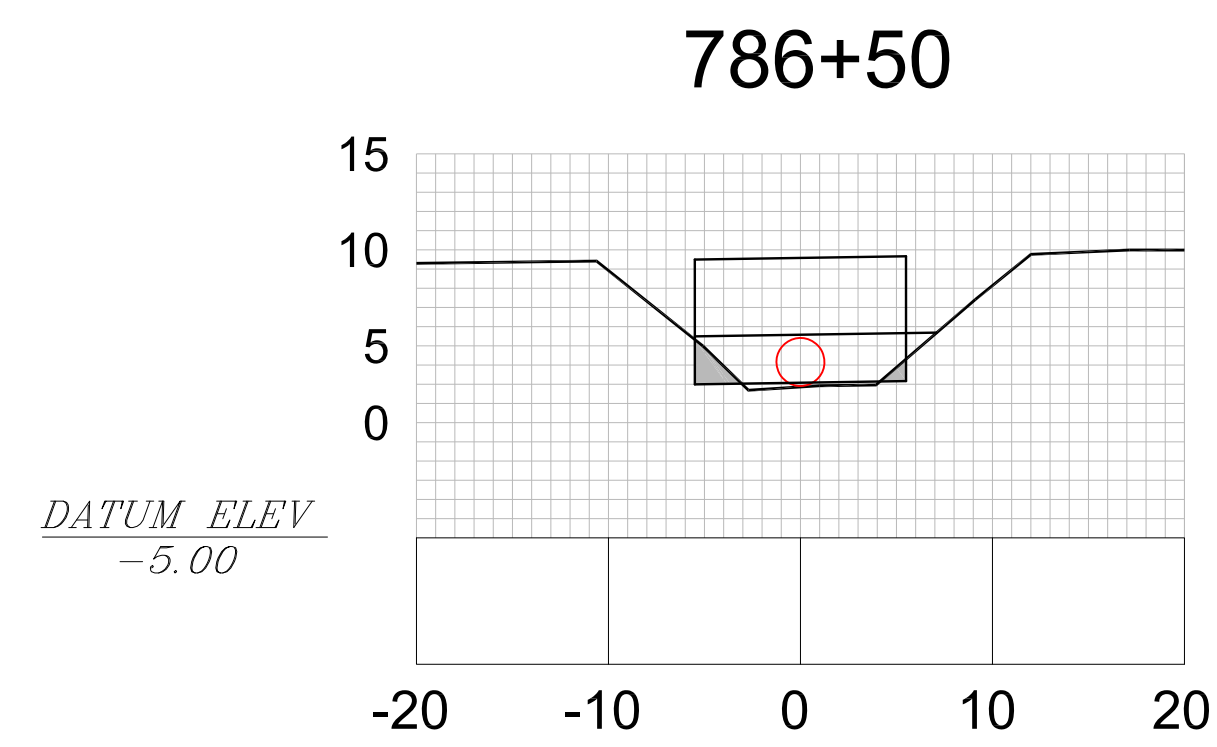
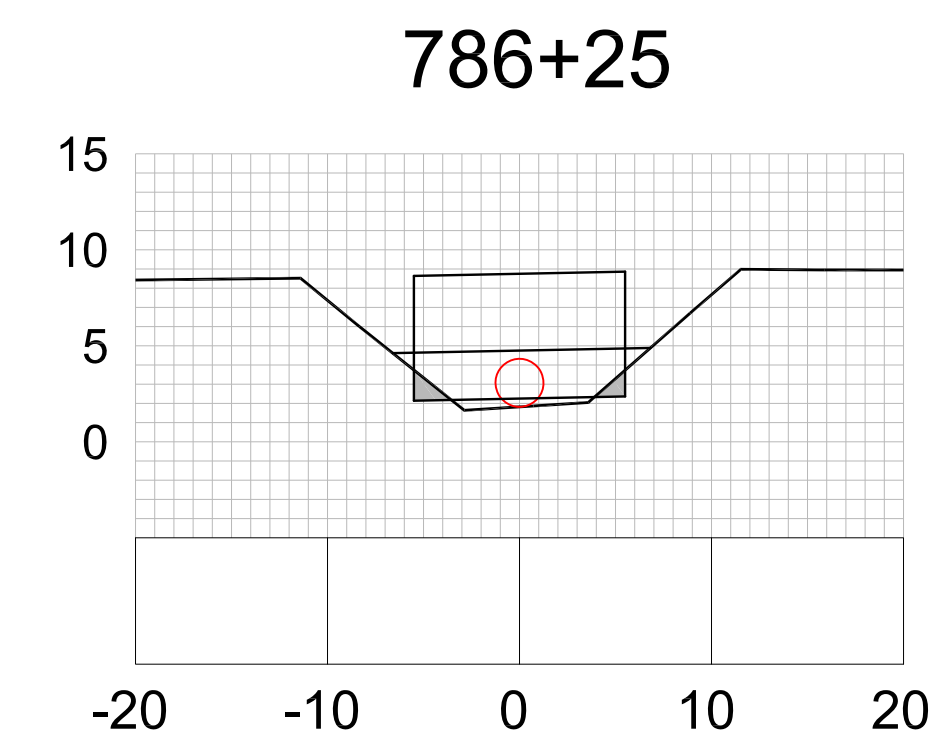
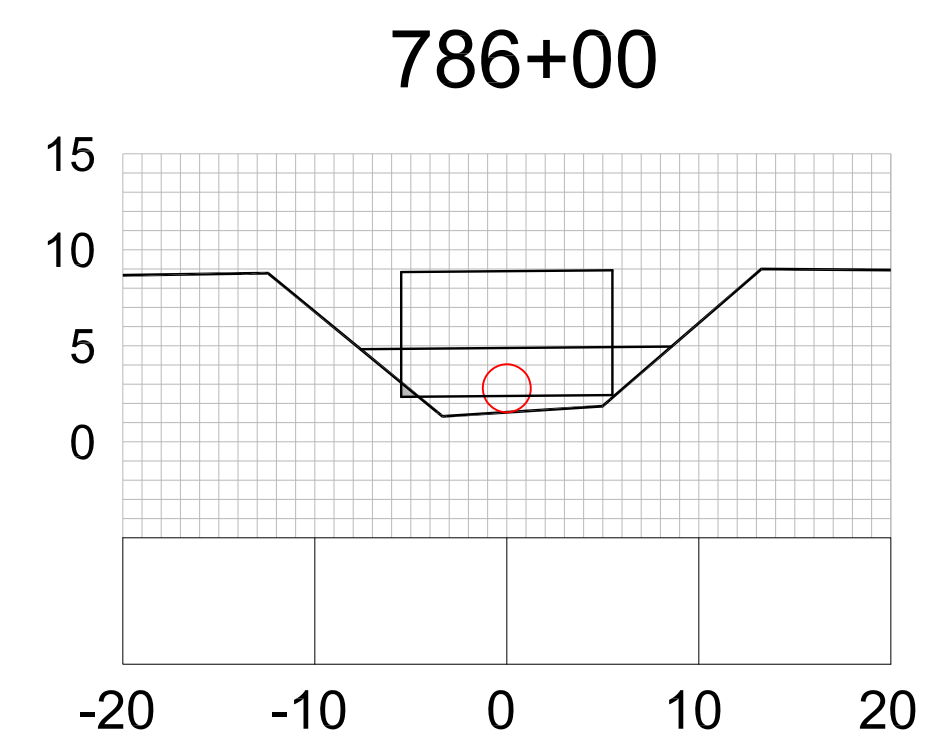
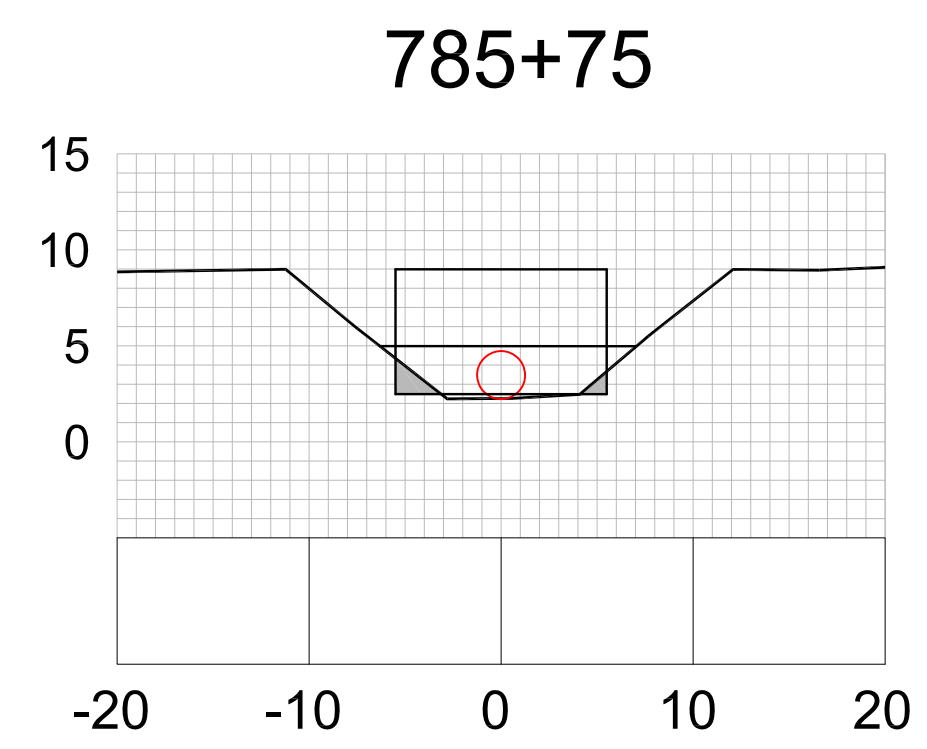
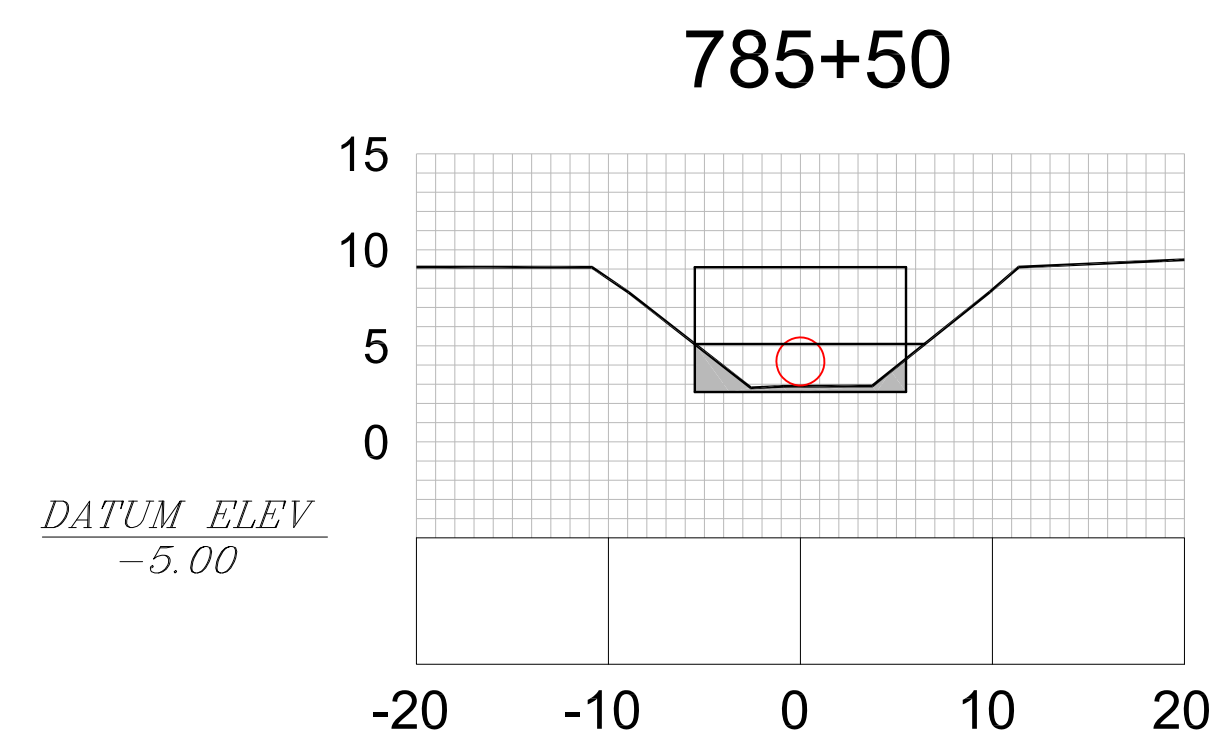
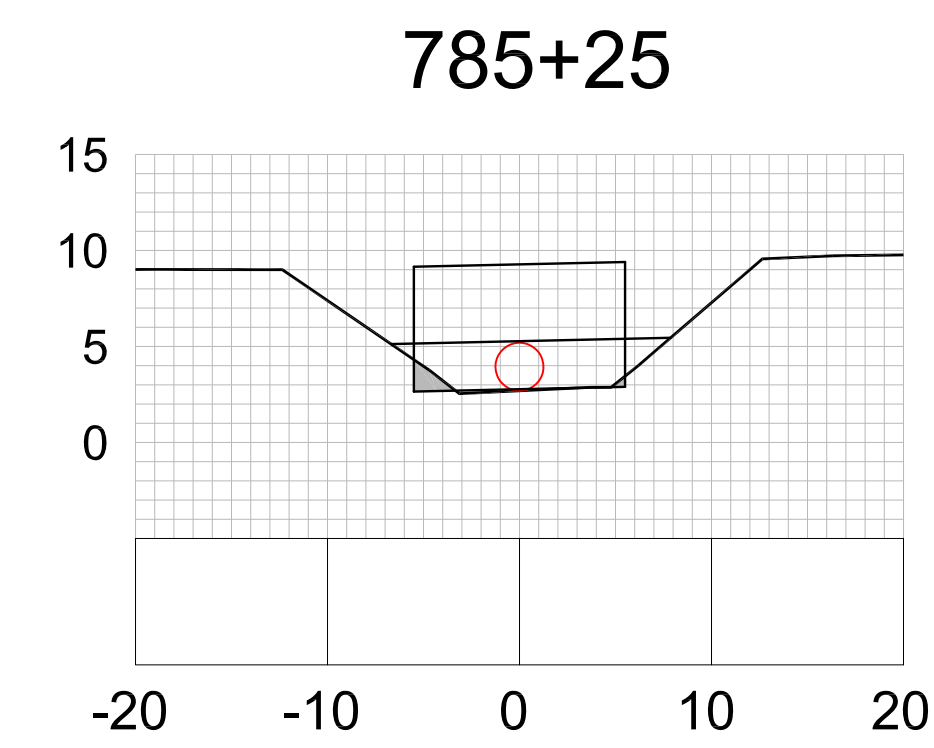
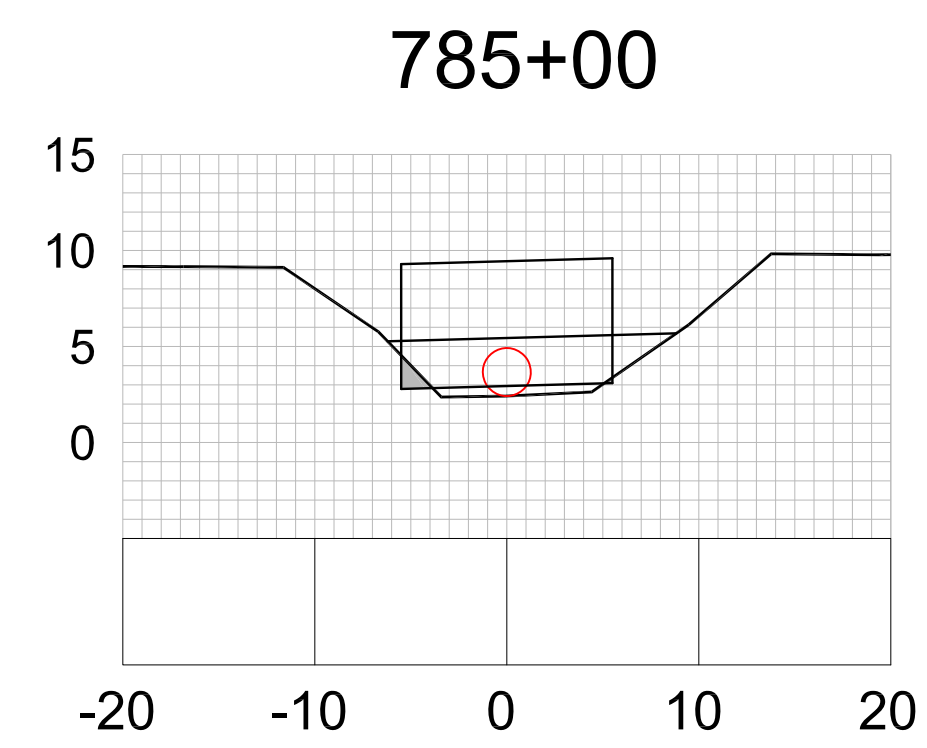
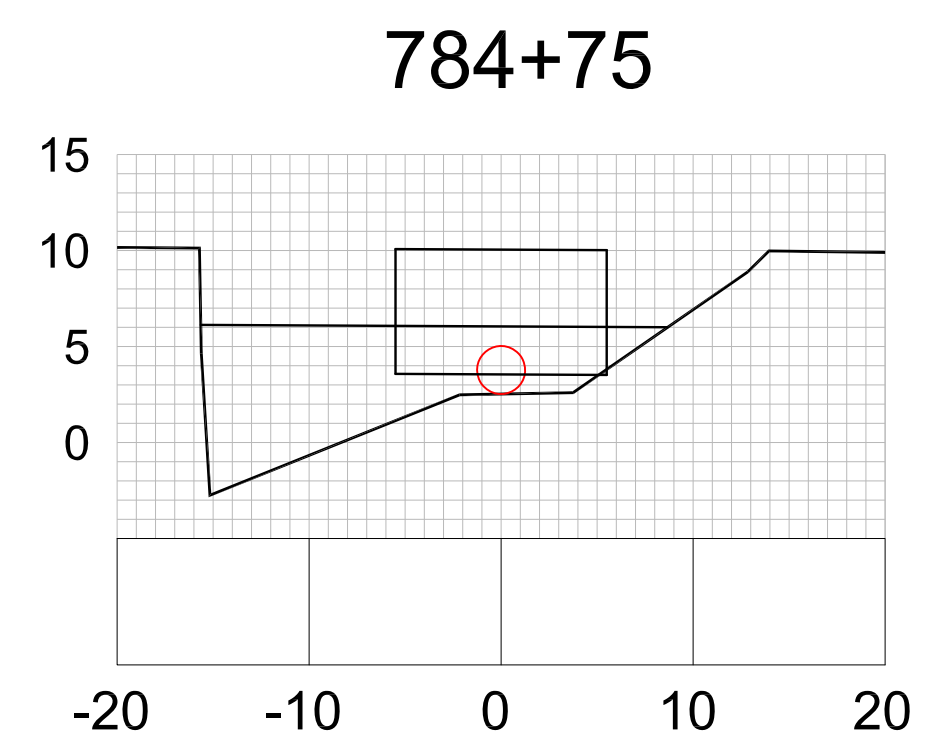
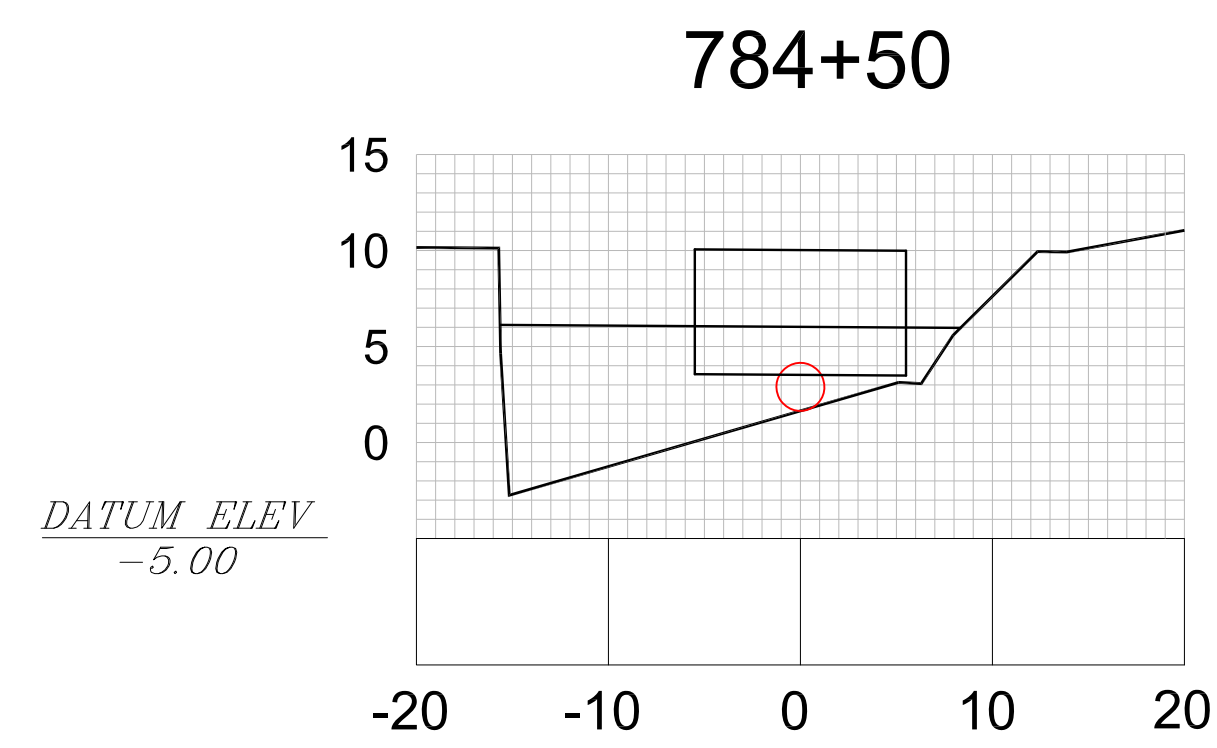
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 • Environmental & Regulatory Permitting
 • Electrical Power Systems Engineering

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 Fax: 207-347-8101

Target Technology Center
 20 Godfrey Drive, Suite 200
 Orono, Maine 04473
 Tel: 207-866-6571
 Fax: 207-866-6501





HORIZONTAL AND VERTICAL SCALE: 1" = 10'
SECTION VIEWS ARE LOOKING UPSTREAM

EXHIBIT OF TRENCH EXCAVATION
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JERSEY CITY, NEW JERSEY
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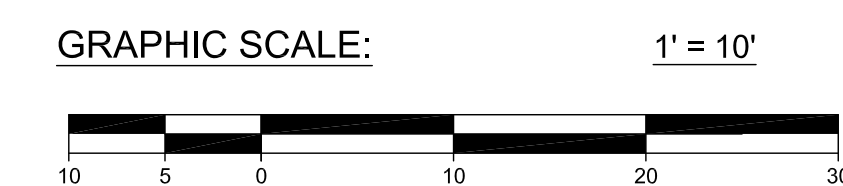
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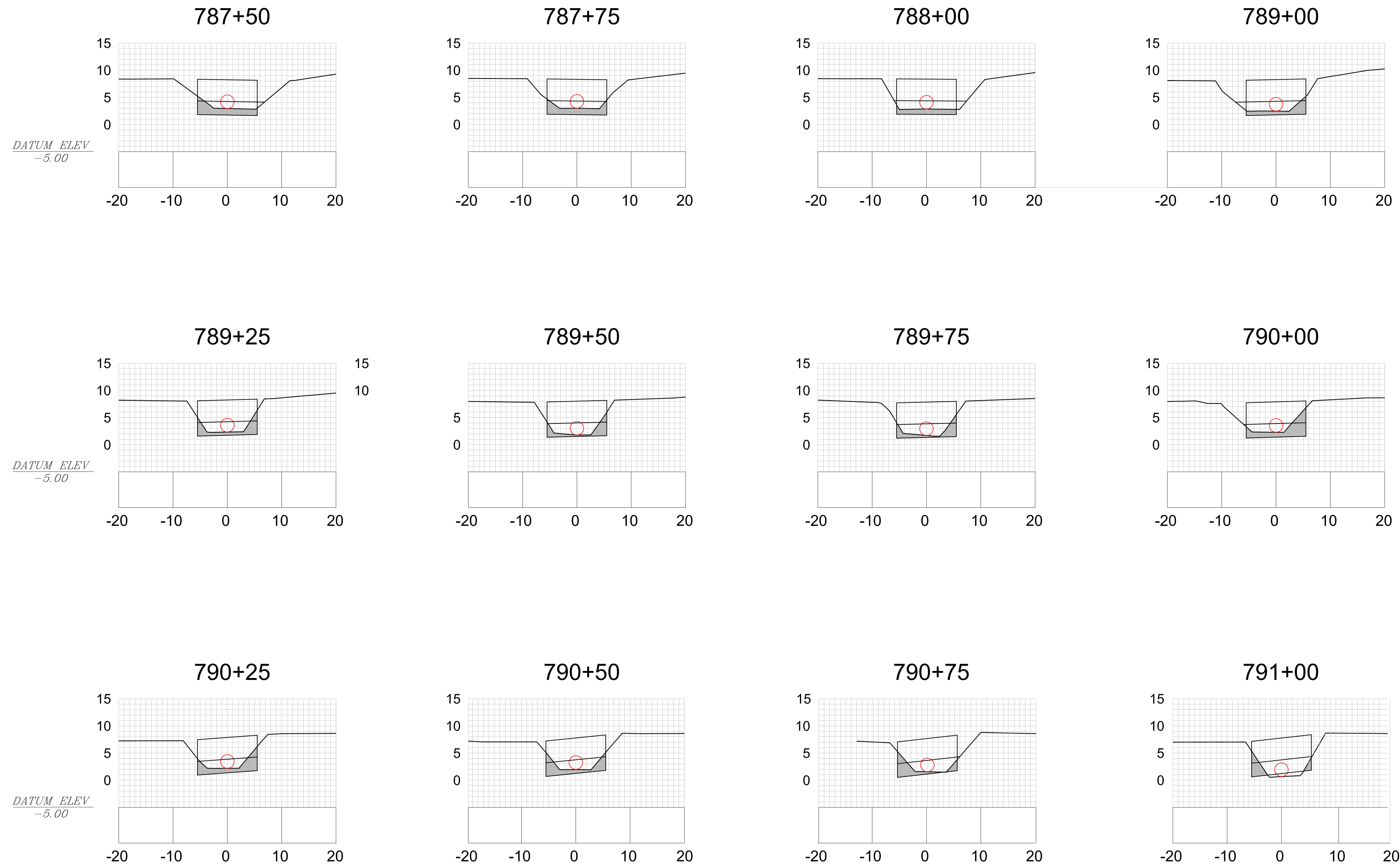
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DATE: 08-23-13 SCALE: 1" = 10' DRAWN: MMM FILE: 801002 PAGE 2 of 3





HORIZONTAL AND VERTICAL SCALE: 1" = 10'
SECTION VIEWS ARE LOOKING UPSTREAM

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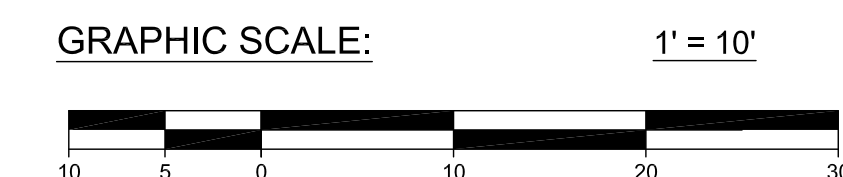
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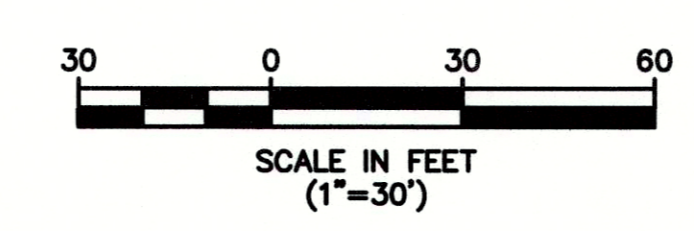
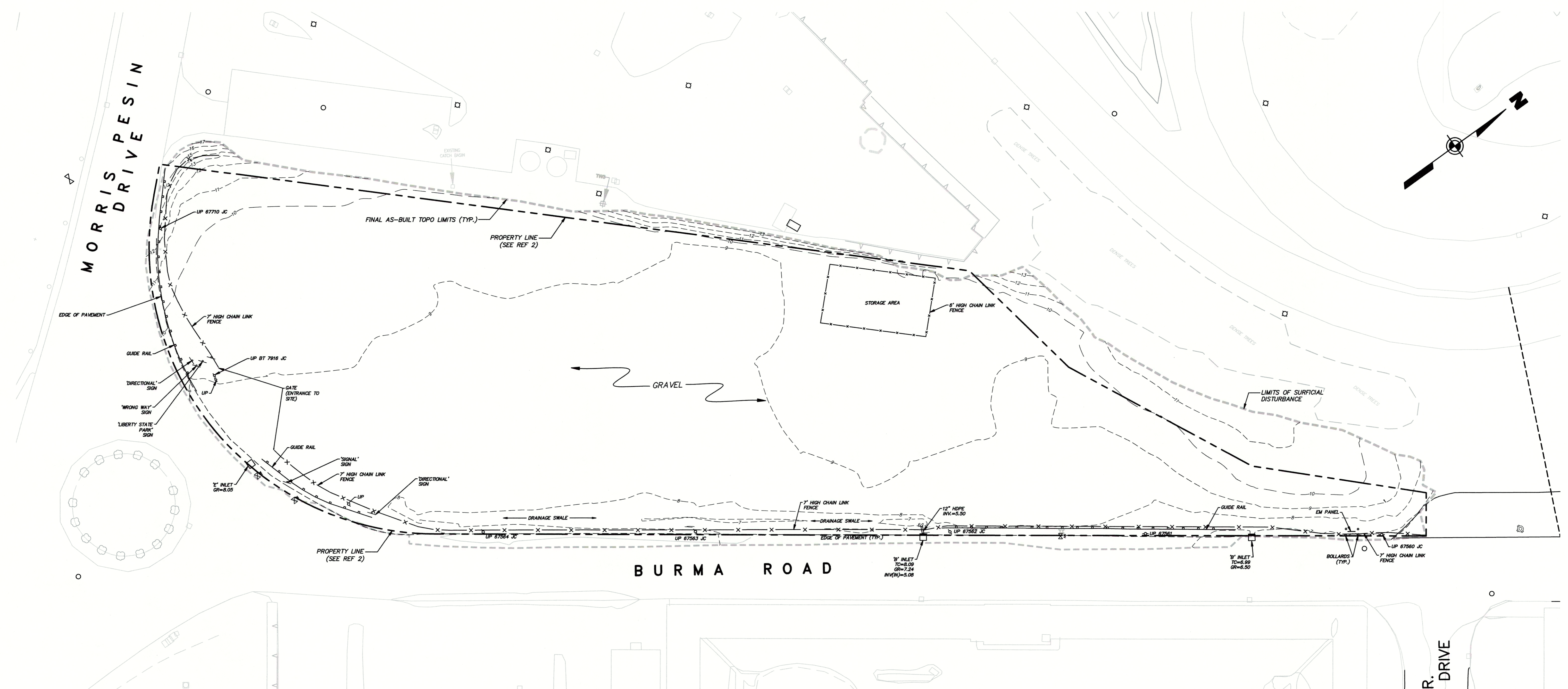
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DATE: 08-23-13 SCALE: 1" = 10' DRAWN: MMM FILE: 801002 PAGE 3 of 3



MORRIS DRIVE SIN



LEGEND

- Ø UTILITY POLE
- LP LIGHT POLE
- ⊙ SANITARY MANHOLE
- ⊙ STORM MANHOLE
- ⊙ UNKNOWN MANHOLE
- ⊙ FIRE HYDRANT
- ⊙ WV WATER VALVE
- ⊙ GV GAS VALVE
- GAS — GAS MAIN
- W — WATER MAIN
- SAN — SANITARY MAIN
- — STORM PIPE
- O2 — OXYGEN PIPELINE
- OVN — OVERHEAD WIRES
- E — ELECTRIC LINE
- T/E — TELEPHONE LINE
- X — FENCE
- GR GRATE
- TC TOP OF CURB
- — PROPERTY LINE
- 2 — FINAL AS-BUILT MINOR CONTOUR
- --- LIMITS OF SURFICIAL DISTURBANCE

GENERAL NOTES

1. THE SOLE PURPOSE OF THIS PLAN IS TO SHOW FINAL AS-BUILT LOCATIONS AND ELEVATIONS WITHIN THE PROPOSED EXCAVATION AREA.
2. FINAL AS-BUILT LOCATIONS AND ELEVATIONS WERE OBTAINED BY MASER CONSULTING P.A. ON MAY 23 & JUNE 1, 2015.
3. HORIZONTAL DATUM NAD 1983, VERTICAL DATUM NAVD88.

REFERENCES

1. PLANS ENTITLED, "SOIL REMEDIATION, PPG INDUSTRIES, SITE 063 AND 065, BURMA ROAD, HUDSON COUNTY, NEW JERSEY, PREPARED FOR PPG INDUSTRIES, INC., JERSEY CITY, NEW JERSEY, DATED 11/25/13, PREPARED BY CB & I.
2. PLAN ENTITLED, "BOUNDARY SURVEY OF LOT 11, BLOCK 21503, TAX MAP OF THE CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY, DATED 5/3/13, PREPARED BY FARALDI GROUP, INC.

REV.	DATE	DRAWN BY	DESCRIPTION
1.	3/9/17	RTH	GENERAL REVISIONS

R. THOMAS HUGG
 NEW JERSEY PROFESSIONAL
 LAND SURVEYOR LIC. NO. 36737

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 Consulting, Municipal & Environmental Engineers
 Planners • Surveyors • Landscape Architects
 State of N.J. Certificate of Authorization: 24GA27886500

MARMORA OFFICE
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 email: solutions@maserconsulting.com

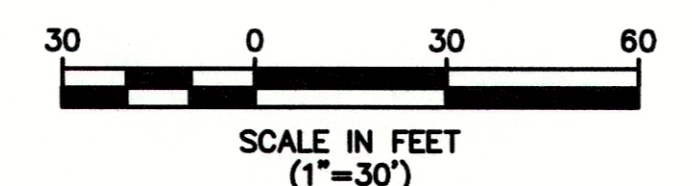
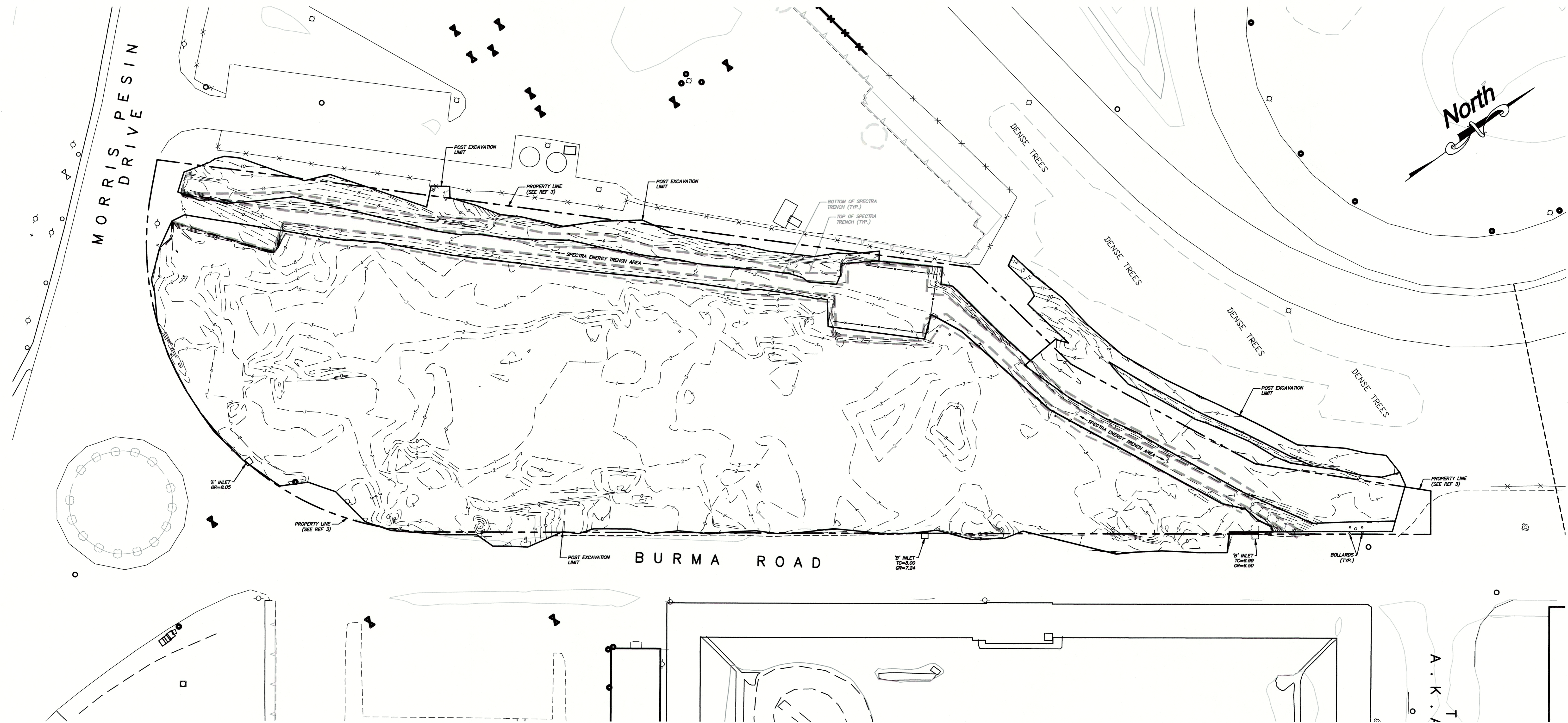
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 Clinton, N.J.
 Hamilton, N.J.
 Logan, N.J.
 Mt. Arlington, N.J.
 Chestnut Ridge, N.Y.
 Newburgh, N.Y.
 Bethlehem, PA.

FINAL AS-BUILT SURVEY
 FOR
ENTACT, LLC
PPG INDUSTRIES SOIL REMEDIATION
SITES 063 AND 065
 BURMA ROAD
 LOT 4, BLOCK 2154.4
 JERSEY CITY HUDSON COUNTY NEW JERSEY

JOB NUMBER: 1400064A
 DATE: JUNE 9, 2015
 SCALE: 1"=30'
 LATEST REVISION: MARCH 9, 2017
 SHEET NUMBER: MASJ001593
 DESIGN BY: BSB

1 of 1

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REFERENCES

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2. PLANS ENTITLED, "EXHIBIT OF TRENCH EXCAVATION, NISAN 12 (HUD-60), JERSEY CITY, NEW JERSEY, PREPARED FOR SPECTRA ENERGY, DATED 8/13/13, PREPARED BY SGC ENGINEERING, LLC.
3. PLAN ENTITLED, "BOUNDARY SURVEY OF LOT 11, BLOCK 21503, TAX MAP OF THE CITY OF JERSEY CITY, HUDSON COUNTY, NEW JERSEY, DATED 5/3/13, PREPARED BY FARALDI GROUP, INC.

GENERAL NOTES

1. THE SOLE PURPOSE OF THIS PLAN IS TO SHOW POST-EXCAVATION LOCATIONS AND ELEVATIONS WITHIN THE PROPOSED EXCAVATION AREA.
2. POST-EXCAVATION LOCATIONS AND ELEVATIONS WERE OBTAINED BY MASER CONSULTING P.A. ON JUNE 17 & AUGUST 18, 2014. ADDITIONAL ELEVATIONS WERE OBTAINED BY ENTACT THROUGHOUT THE DURATION OF EXCAVATION ACTIVITIES. THE SPECTRA ENERGY TRENCH AREA WAS EXCAVATED AND SURVEYED PRIOR TO ENTACT EXCAVATION ACTIVITIES (SEE REF 3). THIS TRENCH EXCAVATION SURFACE WAS THEN BLENDED INTO THE MAIN EXCAVATION SURFACES PER REQUEST FROM CB & I.
3. HORIZONTAL DATUM NAD 1983. VERTICAL DATUM NAVD88.

LEGEND

- PROPERTY LINE
- - - - - POST-EXCAVATION LIMIT
- - - - - POST-EX. MINOR CONTOUR
- - - - - POST-EX. MAJOR CONTOUR

VOLUME QUANTITIES (ENTACT ONLY)

TOTAL POST-EXCAVATION VOLUME = 20,106 CU.YDS.

REV.	DATE	DRAWN BY	DESCRIPTION
4.	3/9/17	RTH	GENERAL REVISIONS
3.	9/14/16	BSB	ADDED MISC. SAMPLE ELEVATIONS & ADDED SPECTRA TRENCH
2.	11/4/15	BSB	GENERAL REVISIONS TO POST-EX TOPOGRAPHY
1.	10/21/15	BSB	GENERAL REVISIONS TO POST-EX TOPOGRAPHY

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POST-EXCAVATION AS-BUILT SURVEY FOR ENTACT, LLC
PPG INDUSTRIES SOIL REMEDIATION SITES 063 AND 065
BURMA ROAD
LOT 4, BLOCK 2154.4
JERSEY CITY HUDSON COUNTY NEW JERSEY

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INDEX NUMBER: MASU001434
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SHEET NUMBER: 1 of 1

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