

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eighth Edition 2017.

DESIGN LOADING

Live Load HL - 93 Modified for Strength 1

TRAFFIC DATA

	I-295 NB	I-295 SB	Veranda St.
Current (2019) AADT	27,320	26,230	15,390
Future (2039) AADT	32,780	31,480	16,930
DHV - % of AADT	12%	13%	10%
Design Hour Volume	3934	4092	1693
Heavy Trucks (% of AADT)	6%	8%	2%
Heavy Trucks (% of DHV)	3%	4%	0.5%
Directional Distribution (% of DHV)	100%	100%	60%
18 kip Equivalent P 2.0	2573	3083	113
18 kip Equivalent P 2.5	2452	2937	108
Design Speed (mph)	50	50	35

MATERIALS

Concrete:
Permanent Barrier Class "LP"
Precast Approach Slabs and Sleeper Slabs Class "P"
All Other Class "A"

Reinforcing Steel:
Plain Reinforcing Steel ASTM A 615, Grade 60
Stainless Reinforcing Steel ASTM A 955, Grade 75

Structural Steel:
All Material (except as noted) ASTM A 709, Grade 50 (metallized)
High Strength Bolts ASTM F 3125, Grade A325, Type 1 (galvanized)

BASIC DESIGN STRESSES

Concrete, Class "A" f 'c = 4,000 psi
Concrete, Class "LP" f 'c = 5,000 psi
Concrete, Class "P" f 'c = 4,000 psi
Plain Reinforcing Steel f y = 60,000 psi
Stainless Reinforcing Steel f y = 75,000 psi
Structural Steel:
ASTM A 709, Grade 50 F y = 50,000 psi
ASTM F 3125, Grade A325, Type 1 F u = 120,000 psi

PORTLAND
CUMBERLAND COUNTY
INTERSTATE 295
OVER
VERANDA STREET

INTERSTATE 295
FEDERAL AID PROJECT NO. NHPP-2174(500)
PROJECT LENGTH 0.050 mi. I-295
PROJECT LENGTH 0.208 mi. VERANDA ST.
BRIDGE NO. 5933

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UTILITIES

Central Maine Power
City of Portland
Consolidated Communications
Firstlight
Portland Water District
Unitil

MAINTENANCE OF TRAFFIC

I-295 - Maintain all lanes of traffic for the duration of the project except for one weekend closure and periodic nightly lane closures.

Veranda Street - Maintain two way traffic for the duration of the project except for a five day closure and periodic daily lane closures controlled by flaggers.

PROJECT LOCATION:	I-295 over Veranda Street located 0.42 miles southeast of Martin's Point Bridge, Latitude 43°41'09" N, Longitude 70°15'08" W
PROGRAM AREA:	Bridge
OUTLINE OF WORK:	Bridge Replacement



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

TIMOTHY R. COTE
No. 10671
LICENSED PROFESSIONAL ENGINEER

DATE
10-5-2020
CHIEF ENGINEER: Joyce Noel Taylor
10-5-2020

PROJECT INFORMATION

PROGRAM	BRIDGE
PROJECT MANAGER	DEVAN EATON
DESIGNER	TIM COTE
CONSULTANT	HNTB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PORTLAND
VERANDA STREET BRIDGE

TITLE SHEET

SHEET NUMBER

1

OF 220

WIN 021745.00

NHPP-2174(500)

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	Removing Single Tree Top Only	9	EA
201.24	Removing Stump	9	EA
202.19	Removing Existing Bridge (620 CY, 288 Tons)	1	LS
202.15	Removing Existing Manhole or Catch Basin	17	EA
202.202	Removing Pavement Surface	7,200	SY
203.20	Common Excavation	14,500	CY
203.24	Common Borrow	3,050	CY
203.25	Granular Borrow	4,180	CY
203.4339	Geofoam Lightweight Fill	9,100	CY
203.4539	Levelling Sand	580	CY
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	1,550	CY
304.10	Aggregate Subbase Course-Gravel	9,950	CY
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	430	TON
403.2081	Hot Mix Asphalt - 12.5 mm Nominal Maximum Size (Polymer Modified)	1,565	TON
403.209	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (sidewalks, drives, islands, and incidentals)	460	TON
403.211	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Shimming)	50	TON
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	1,700	TON
403.2131	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course, Polymer Modified)	1,315	TON
409.15	Bituminous Tack Coat, Applied	1,497	GAL
461.131	Temporary Pavement	290	TON
501.222	Micropiles	2,320	LF
501.2221	Abandoned Micropiles	210	LF
501.231	Dynamic Loading Test	4	EA
501.2331	Micropile Verification Load Test	2	EA
501.2341	Micropile Proof Load Test	2	EA
501.50	Steel H-beam Piles 89 lb/ft, delivered	3,850	LF
501.501	Steel H-beam Piles 89 lb/ft, in place	3,850	LF
501.804	Drilling Equipment Mobilization - Micropiles	1	LS
501.90	Pile Tips	35	EA
501.91	Pile Splices	111	EA
501.92	Pile Driving Equipment Mobilization	1	LS
502.219	Structural Concrete, Abutments and Retaining Walls (1,293 CY)	1	LS
502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges (280 CY)	1	LS
503.12	Reinforcing Steel, Fabricated and Delivered	28,000	LB
503.13	Reinforcing Steel, Placing	28,000	LB
503.17	Mechanical/Welded Splice	1,062	EA
503.26	Stainless Steel Reinforcement, Fabricated and Delivered	231,000	LB
503.27	Stainless Steel Reinforcement, Placing	231,000	LB
504.702	Structural steel fabricated and delivered, welded (194,000 lbs)	1	LS
504.71	Structural steel erection (194,000 lbs)	1	LS
505.08	Shear Connectors (4,644 EA)	1	LS
506.9104	Thermal Spray Coating (Shop Applied) (194,000 lbs)	1	LS
508.14	High Performance Waterproofing Membrane (780 SY)	1	LS
515.21	Protective Coating for Concrete Surfaces (1,200 SY)	1	LS
519.60	Expansion Device - Asphaltic Plug Joint	102	LF
520.223	Armorless Bridge Joint	1	LS
523.52	Bearing Installation	24	EA
523.5401	Laminated Elastomeric Bearings, Fixed	12	EA
523.5402	Laminated Elastomeric Bearings, Expansion	12	EA
524.301	Temporary Structural Support	1	LS
524.302	Bridge Movement System	1	LS
524.303	Temporary Structural Support, Abutments	1	LS
524.40	Protective Shield - Steel Girders (920 SY)	1	LS
526.301	Temporary Concrete Barrier, Type I (1,280 LF)	1	LS
526.306	Temporary Concrete Barrier, To Remain (300 LF)	1	LS
526.3311	Single Slope Concrete Traffic Barrier (330 LF)	1	LS
526.502	Precast Concrete Median Barrier (210 LF)	1	LS
527.34	Work Zone Crash Cushions	5	UNIT
534.7601	Precast Approach Slab (190 CY)	1	LS
534.7611	Precast Sleeper Slab (40 CY)	1	LS
602.302	Lightweight Foam Concrete Fill (3,060 CY)	1	LS
602.303	Lightweight Foam Concrete Distribution Slab (800 CY)	1	LS
603.151	12 inch Corrugated Metal Pipe	8	LF
603.155	12 inch Reinforced Concrete Pipe Class III	72	LF
603.159	12 inch Culvert Pipe Option III	225	LF
603.169	15 inch Culvert Pipe Option III	69	LF
603.175	18 inch Reinforced Concrete Pipe Class III	48	LF
603.179	18 inch Culvert Pipe Option III	230	LF
603.195	24 inch Reinforced Concrete Pipe Class III	44	LF
603.199	24 inch Culvert Pipe Option III	10	LF
603.209	30 inch Culvert Pipe Option III	180	LF
604.071	Catch Basin Type A1-P	18	EA
604.072	Catch Basin Type A1-C	2	EA
604.076	60" Catch Basin Type A1-C	4	EA
604.0761	60" Catch Basin Type A1-P	3	EA
604.0771	72" Catch Basin Type A1-P	2	EA
604.091	Catch Basin Type B1-P	7	EA
604.15	Manhole	2	EA
604.16	Altering Catch Basin to Manhole	1	EA
604.164	Rebuilding Catch Basin	1	EA
604.18	Adjusting Manhole or Catch Basin to Grade	12	EA

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
604.221	18 Inch Storm Water Check Valve	2	EA
604.223	30 Inch Storm Water Check Valve	1	EA
604.2402	Behind Curb Catch Basin	5	EA
604.2403	Catch Basin Inlet Assembly	2	EA
604.2491	Catch Basin Type F7	1	EA
605.09	6 inch Underdrain Type B	1,750	LF
605.11	12 inch Underdrain Type C	790	LF
605.12	15 inch Underdrain Type C	45	LF
605.13	18 inch Underdrain Type C	120	LF
605.15	24 inch Underdrain Type C	350	LF
605.17	30 inch Underdrain Type C	130	LF
606.1301	31" W-Beam Guardrail - Mid-Way Splice (Steel Post, 8" Offset Blocks, Single Faced)	1,400	LF
606.1307	Bridge Transition (Asymmetrical) - Type I	4	EA
606.1309	31" W-Beam Guardrail - Mid-Way Splice (8' Steel Post, 8" Offset Blocks, Single Faced)	180	LF
606.2593	Anchorage Assembly - Mid-Way Splice	1	EA
606.353	Reflectorized Flexible Guardrail Marker	1	EA
606.356	Underdrain Delineator Post	6	EA
607.173	Chain Link Fence - 6 foot - PVC Coated	480	LF
607.35	Bracing Assembly Chain Link Fence - PVC Coated	10	EA
608.08	Reinforced Concrete Sidewalk	140	SY
608.26	Curb Ramp Detectable Warning Field	230	SF
609.11	Vertical Curb Type I	2,600	LF
609.12	Vertical Curb Type I - Circular	220	LF
609.23	Terminal Curb Type I	73	EA
609.31	Curb Type 3	600	LF
609.38	Reset Curb Type I	550	LF
610.08	Plain Riprap	34	CY
610.18	Stone Ditch Protection	35	CY
613.319	Erosion Control Blanket	6,350	SY
615.07	Loam	1,020	CY
615.086	Loam/Compost	200	CY
615.27	Underdrained Soil Filter	1	LS
618.13	Seeding Method Number 1	25	UNIT
618.14	Seeding Method Number 2	99	UNIT
618.143	Special Seeding - Wetland Seed Mix - Moist	8	UNIT
618.143	Special Seeding - Wildflower Pollinators	10	UNIT
619.12	Mulch	131	UNIT
619.13	Bark Mulch	25	CY
619.14	Erosion Control Mix	50	CY
620.58	Erosion Control Geotextile	170	SY
620.6012	HDPE Geomembrane	4,300	SY
620.66	Drainage Geocomposite	810	SY
621.019	Evergreen Tree 2' - 3' A	36	EA
621.02	Evergreen Tree 2' - 3' B	12	EA
621.025	Evergreen Tree 3' - 4' A	6	EA
621.026	Evergreen Tree 3' - 4' B	12	EA
621.027	Evergreen Tree 3' - 4' C	12	EA
621.032	Evergreen Tree 4' - 5' B	12	EA
621.033	Evergreen Tree 4' - 5' C	12	EA
621.038	Evergreen Tree 5' - 6' B	40	EA
621.039	Evergreen Tree 5' - 6' C	20	EA
621.044	Evergreen Tree 6' - 8' B	18	EA
621.110	Small Decid. Tr. 3' - 4' A	35	EA
621.111	Small Decid. Tr. 3' - 4' B	36	EA
621.112	Small Decid. Tr. 4' - 5' A	40	EA
621.1121	Small Decid. Tr. 4' - 5' B	36	EA
621.112	Small Decid. Tr. 5' - 6' A	24	EA
621.121	Small Decid. Tr. 5' - 6' B	12	EA
621.178	Med. Decid. Tr. 6' - 8' A	12	EA
621.179	Med. Decid. Tr. 6' - 8' B	24	EA
621.18	Med. Decid. Tr. 6' - 8' C	7	EA
621.186	Med. Decid. Tr. 8' - 10' C	24	EA
621.195	Med. Decid Tr. 1 3/4"-2" A	3	EA
621.197	Med. DecidTr. 1 3/4"-2" C	10	EA
621.389	Dw. Everg. 15"-18" GP. A	36	EA
621.424	Evergr. Shrub 4' - 5' B	8	EA
621.450	Evergr. Shrub 5' - 6' A	50	EA
621.451	Evergr. Shrub 5' -6' B	36	EA
621.5351	Deciduous Shrubs 15"-18" GP A	24	EA
621.54	Deciduous Shrubs 18"-24" GP A	54	EA
621.546	Deciduous Shrubs 2'-3' GP A	24	EA
621.554	Deciduous Shrubs 3'-4' GP C	12	EA
621.558	Deciduous Shrubs 4'-5' GP A	50	EA
621.80	Establishment Period Bond	1	LS
626.11	Precast Concrete Junction Box	22	EA
626.21	Metallic Conduit	80	LF
626.22	Non-metallic Conduit	2,150	LF
626.251	Non-Metallic Under Pavement Conduit (Schedule 80 or greater rating)	150	LF
626.411	18 inch Diameter Foundation	48	LF
626.43	30-inch Diameter Foundation	96	LF
626.46	48-inch Diameter Foundation	16	LF
626.48	60-inch Diameter Foundation	15	LF
626.35	Controller Cabinet Foundation	1	EA
626.36	Remove or Modify Concrete Foundation	2	EA
627.733	4" White or Yellow Painted Pavement Marking Line	9,500	LF

STATE OF MAINE
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NHP-2174(500)
WIN
021745.00
BRIDGE NO.5933
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND
ESTIMATED QUANTITIES

SHEET NUMBER
2
OF 220



ITEM NO.	DESCRIPTION	QUANTITY	UNIT
627.744	6" White or Yellow Painted Pavement Marking Line	6,400	LF
627.75	White or Yellow Pavement & Curb Marking	2,350	SF
627.77	Removing Existing Pavement Marking	1,400	SF
627.78	Temporary Pavement Marking Line, White or Yellow	8,400	LF
629.05	Hand Labor, Straight Time	200	HR
631.10	Air Compressor (including operator)	60	HR
631.11	Air Tool (including operator)	60	HR
631.12	All Purpose Excavator (including operator)	200	HR
631.14	Grader (including operator)	60	HR
631.172	Truck-large (including operator)	200	HR
631.22	Front End Loader (including operator)	60	HR
631.32	Culvert Cleaner (including operators)	30	HR
634.160	Highway Lighting	1	LS
634.2042	LED Luminaïres	10	EA
634.210	Conventional Light Standard	8	EA
639.18	Field Office, Type A	1	EA
643.62	Rectangular Rapid Flashing Beacon	4	EA
643.71	Traffic Signal Modification: Veranda St./Marine Hospital Road	1	LS
643.72	Temporary Traffic Signal at: Route 9/Lunt Road	1	LS
643.77	Dynamic Speed Feedback Signs	1	EA
643.80	Traffic Signals at: Veranda St./Wordsworth/On Ramp/Off Ramp	1	LS
643.83	Video Detection System Veranda St./Wordsworth/On Ramp/Off Ramp	1	LS
643.90	Interconnect Wire Between: 12 - Strand Fiber Optic Cable (2000 LF)	1	LS
643.91	Mast Arm Pole 45' Mast Arm	1	EA
643.92	Pedestal Pole	8	EA
643.93	Strain Pole (Stub Pole)	1	EA
643.94	Dual Purpose Pole - 55' Mast Arm and Luminaire Arm	1	EA
645.103	Demount Guide Sign	28	EA
645.106	Demount Regulatory, Warning, Confirmation and Route Marker Assembly Sign	79	EA
645.108	Demount Pole	44	EA
645.113	Reinstall Guide Sign	26	EA
645.116	Reinstall Regulatory, Warning, Confirmation and Route Marker Assembly Sign	31	EA
645.118	Reinstall Pole	17	EA
645.292	Regulatory, Warning, Confirmation and Route Marker Assembly Signs Type II	120	SF
652.30	Flashing Arrow	3	EA
652.312	Type III Barricades	21	EA
652.313	Temporary Pedestrian Barricade, ADA Compliant	350	LF
652.33	Drum	310	EA
652.34	Cone	100	EA
652.35	Construction Signs	1,550	SF
652.361	Maintenance Of Traffic Control Devices (885 CD)	1	LS
652.38	Flaggers	7,100	HR
652.381	Traffic Officer	400	HR
652.41	Portable-Changeable Message Sign	11	EA
656.75	Temporary Soil Erosion and Water Pollution Control	1	LS
659.10	Mobilization	1	LS
660.21	On-The-Job Training	1000	HR
803.01	Test Pits	12	EA

CITY OF PORTLAND			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.15	Removing Existing Manhole or Catch Basin	7	EA
203.20	Common Excavation	1,150	CY
603.159	12 inch Culvert Pipe Option III	45	LF
604.244	Catch Basin Type F4	2	EA
615.07	Loam	150	CY
618.14	Seeding Method Number 2	24	UNIT
619.12	Mulch	24	UNIT
626.11	Precast Concrete Junction Box	8	EA
626.22	Non-metallic Conduit	750	LF

CENTRAL MAINE POWER			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
910.301	Special Work - Utility Conduit - Concrete Duct Bank	1	LS

PORTLAND WATER DISTRICT			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.25	Granular Borrow	CY	300
625.01	Water Line System - Temporary	LS	1
629.05	Hand Labor, Straight Time	HR	10
631.12	All Purpose Excavator (including operator)	HR	10
631.172	Truck-large (including operator)	HR	10
631.22	Front End Loader (including operator)	HR	10
652.38	Flaggers	HR	1,500
652.381	Traffic Officer	HR	100
653.22	2" Extruded Polystyrene Insulation	SY	27
812.162	Adjust Sewer Manhole to Grade	EA	11
822.3225	6" CL 52 DI Pipe Push On Joint	LF	50
822.3405	8" CL 52 DI Pipe Push On Joint	LF	230
822.3605	12" CL 52 DI Pipe Push On Joint	LF	1,675
823.31	12" Gate Valve	EA	4
823.3101	12" Gate Valve MJ Cut-In	EA	1
823.3250	8" Gate Valve MJ Cut-In	EA	1
823.325	8" Gate Valve	EA	7
823.3254	8" Gate Valve - Insertion	EA	1
823.3310	6" Gate Valve MJ Cut-In	EA	2
823.341	Air Release Valve - 1"	EA	4
824.30	Fire Hydrant	EA	3
824.31	Remove Fire Hydrant	EA	2
825.335	1-in Copper Service - Short Side	EA	2
825.4341	1-in Copper Service - Long Side	EA	9
825.55	Reconnect 2" Copper Service	EA	1



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INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

ESTIMATED QUANTITIES

SHEET NUMBER

3
OF 220

Date:3/29/2020

Username:

Division:

Filename: 004_GeneralNotes.dgn

GENERAL CONSTRUCTION NOTES

1. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

2. The location of utilities shown are approximate and should be verified in the field by the Contractor.

3. During construction, I-295 and Veranda Street may be closed to traffic for the time periods specified in the Special Provisions.

4. For easements, construction limits and right of way lines, refer to Right of Way Maps.

5. Seeding Method No. 1 shall be utilized on all lawn and developed areas. Seeding Method No. 2 shall be utilized on all other areas, including the Open Space, unless otherwise noted or directed.

6. Place a 24 in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the top of riprap and behind the wingwalls.

7. Two Reflectorized Flexible Guardrail Markers shall be installed at each guardrail end.

8. Clearing limits shall be 10 feet beyond and parallel to the construction slope lines or as shown on the Plans unless otherwise authorized by the Resident.

9. All clearing shall be considered incidental to the Contract and no separate payment will be made. The actual lines for clearing shall be established in the field by the Contractor as indicated on the Plans and approved by the Resident.

10. Single trees and stump removal within the clearing limits as shown on the plans, shall be considered clearing. Single trees and stumps outside of the clearing limits shown on the plans shall be paid for under Items 201.23 & 201.24.

11. Loam shall be placed to a nominal depth of 4 inches in lawn areas and 2 inches in all other areas, including the Open Space, unless otherwise noted or directed by the Resident.

12. At the connection of proposed and existing guardrail, a 9'-4.5" section of rail shall be used and the proposed guardrail height shall transition to meet the existing guardrail height over 25 feet. Payment shall be made under Item 606.1301.

13. A MASH Compliant guardrail end treatment shall be installed concurrently with the placement of each section of end beam guardrail.

14. Extended Use Erosion Control Blankets, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract Items.

15. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete barriers,
Fascias down to the drip notch,
All exposed surfaces of Concrete Transition Barriers,
Face of breastwalls to one foot below roadway grade
Backwall top and roadway face and back side to one foot below top of the roadway.
Wingwalls top face and roadway face to one foot below final grade.

16. Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Item Number 619.14, Erosion Control Mix.

17. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.

18. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.

19. The project geotechnical report titled: Geotechnical Design Report for the Replacement of I-295 over Veranda Street may be accessed at the MaineDOT web address.

20. Geotechnical information furnished or referred to in this Plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidder's or Contractor's interpretations or conclusions drawn from the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between boring locations.

21. The existing bridge shall be removed by and become the property of the Contractor. Bridge removal shall be to the limits shown on the Plans. The steel portions of the existing bridge are coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the process of demolishing the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. Once the existing bridge is removed, the Contractor is solely responsible for the care, custody and control of the components of the existing bridge and any hazardous waste generated as a result of the storage, recycling or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment and other costs required to remove and dispose of the existing bridge will be considered incidental to the bridge removal Pay Item.

22. The Contractor shall submit a Bridge Demolition Plan to the Resident at least 30 business days prior to the start of demolition work. This plan shall outline the methods and equipment to be used to remove and dispose of all materials included in the existing bridge. No work related to the removal of the bridge shall be undertaken by the Contractor until the MaineDOT has reviewed the Bridge Demolition Plan for appropriateness and completeness. Payment for all work necessary for developing, submitting and Finalizing the Demolition Plan will be considered incidental to the bridge removal pay item.

23. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from MaineDOT provided estimated quantities, except as follows:

a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items will take precedence.

b. If other Contract Documents specifically allow a change in payment for Lump Sum pay item, those requirements will be followed.

c. If a design change results in changes to estimated quantities for Lump Sum pay items, price and adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation and Time.

24. No existing drainage shall be abandoned, removed, or plugged without prior approval of the Resident.

25. Any necessary cutting of existing pipes to fit in areas of proposed catch basins will not be paid for separately and will be considered incidental to Standard Specifications Section 604 Manholes, Inlets, and Catch Basins.

26. Any necessary cutting of existing catch basins to allow for proposed pipe connections will not be paid for separately and will be considered incidental to Standard Specifications Section 603 Pipe Culverts and Storm Drains or SP Section 605 Underdrains.

27. Existing culverts and catch basins will be cleaned as directed by the Resident under the appropriate pay items.

28. Existing culverts to be removed that are beyond the limits of subgrade or proposed culvert excavation shall be paid for under item 203.20 Common Excavation.

29. Residential paved entrances shall be constructed with 2 inches of hot mix asphalt and 12 inches of aggregate subbase course gravel.

30. Commercial paved entrances shall be constructed with 3 inches of hot mix asphalt and 11 inches of aggregate subbase course gravel.

31. Driveways at Sta. 107+34, 109+21, and 109+53 shall have final locations and orientations of turnarounds determined in the field by the Resident.

32. All paved walkways to be constructed with 2 inches of hot mix asphalt and 12 inches of aggregate subbase course gravel, unless otherwise noted on the Plans or directed by the Resident.

33. Where called for on the Plans, where new pavement joins existing pavement, the existing pavement shall be sawcut along a smooth line to a neat, even, vertical joint as directed by the Resident. Broken or raveled edges will not be permitted. All work necessary for the preparation of this joint will be considered incidental to the related contract items.

34. In order to maintain access to the entrances at Sta. 103+52 Lt. and 106+42 Lt., Common Excavation, Aggregate Subbase Course - Gravel, Loam, Seeding Method No. 1, and Temporary Pavement is anticipated. Payment shall be made using appropriate contract items.

35. Where called for on the plans, all temporary driveways shall be constructed with: 2" hot mix asphalt and 12" aggregate subbase course gravel. All temporary roadways shall be constructed with: 4" hot mix asphalt and 12" aggregate subbase course gravel. Upon project completion, all temporary facilities shall be removed and reestablished to their existing condition, unless within the limits of proposed construction.

36. The Contractor shall place temporary pavement ramps at the transition between existing pavement grade and proposed base pavement on I-295. See Special Provision 461 Temporary Pavement for additional information.

37. Prior to the placement of surface pavement on I-295, the Contractor shall shim the portions of the roadway, within the limits of the existing bridge, to compensate for post-construction settlement occurring between the original bridge abutments and piers.

38. Type I Terminal Curbs vary in length. All Type I Terminal Curbs shall be measured for payment under Item 609.23 Terminal Curb Type I per Each, regardless of length.

39. Existing non-circular Type I Curb in good condition shall be reset as directed by the Resident. Quantities have assumed 25% of the existing non-circular Type I Curb to be Reset Curb Type I.

40. Payment for removing and resetting existing fence for contractor access shall be incidental to related contract items.

41. Earthwork Quantities were developed based on the following sequencing:

I-295 is raised and widened requiring 3050 CY of Common Borrow

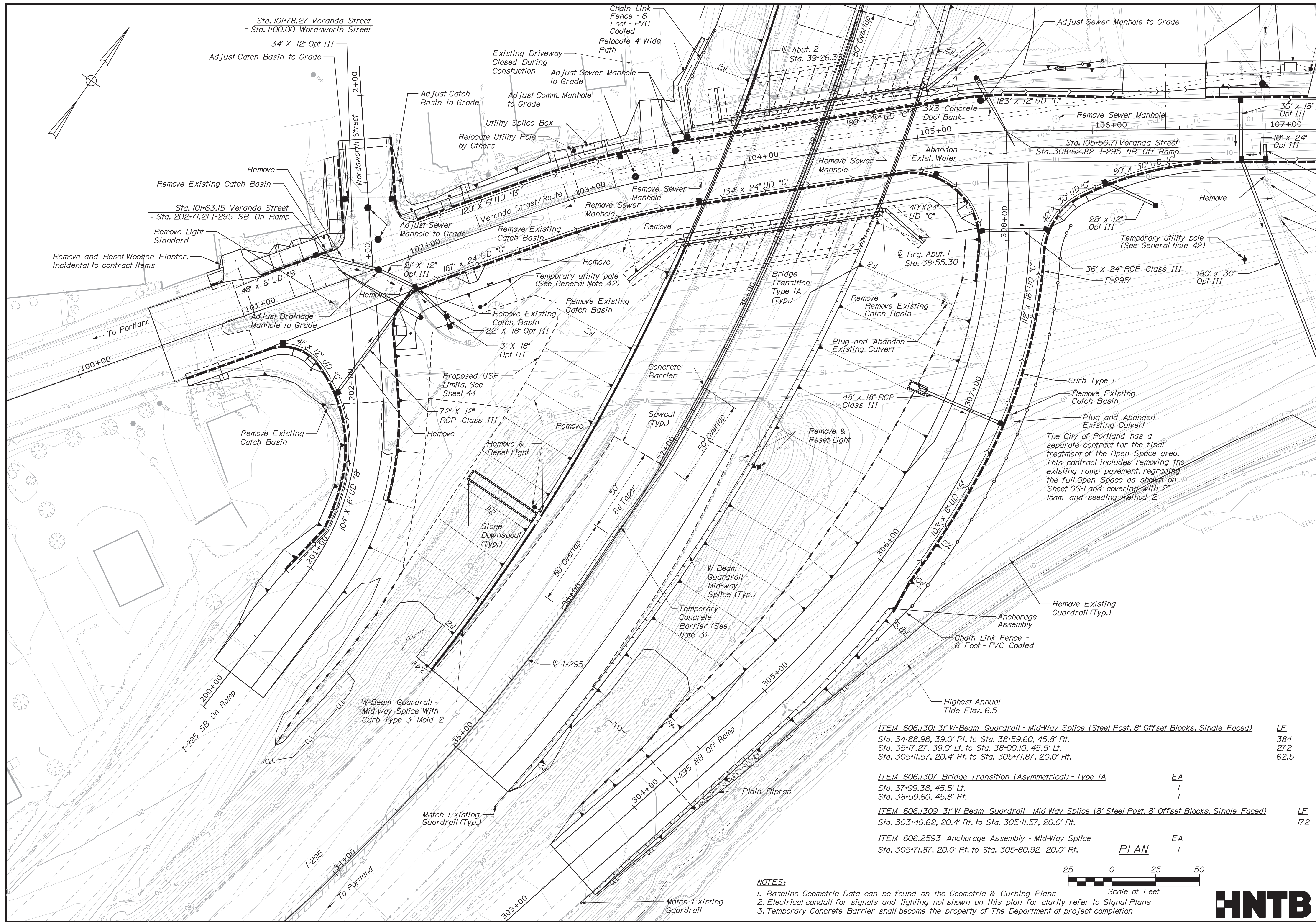
Veranda Street and I-295 Ramps are realigned resulting in 7100 CY of surplus material with approximately 4850 CY being reusable excavation and 2250 CY of waste.

Open Space is rough graded based on grading plan. Resulting in 1150 CY of Common Borrow being required which shall come from available reusable excavation from Veranda Street or I-295 Ramps. For the Open Space, stockpiled material placed in its final location shall be paid for as 203.20 Common Excavation.

42. The Department plans to install and operate two time lapse cameras to document construction of the project. To support these efforts the Contractor shall install, maintain, and remove two 40-foot-tall temporary utility poles at the approximate locations shown on the plans. The Contractor shall supply the Department with access and equipment (e.g. bucket truck or lift) necessary for the installation, maintenance and removal of the cameras and associated equipment. The Contractor shall also be responsible for providing electrical and Internet (minimum 10 Mbps) service at each pole location. The Contractor shall be responsible for the installation of temporary barrier or other measures necessary to maintain the safe passage of traffic near the pole, and to prevent the pole from being struck or damaged by equipment during construction. This work will not be measured for payment separately, but shall be incidental to the related contract items. Time lapse cameras will be provided, installed, and operated by others.

43. Temporary adjustments will be made to existing traffic signal timing along the detour routes during the Interstate 295 and Veranda Street closure period. These adjustments will be made by the Department. The Contractor shall assist the Department with access (lane closures) and equipment (boom truck or similar) as necessary to complete these adjustments. This work will not be measured for payment separately, but shall be incidental to the related contract items.

4		SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY										PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION									
														DESIGN-DETAILED		EDD		CDH		2/20											
														CHECKED-REVIEWED		RWJH		LTD		2/20		SIGNATURE									
														DESIGN2-DETAILED2																	
														DESIGN3-DETAILED3								P.E. NUMBER									
														REVISIONS 1																	
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														REVISIONS 3																	
														REVISIONS 4								DATE									
														FIELD CHANGES																	
																						BRIDGE NO.5933									
																						WIN									
																						021745.00									
																						BRIDGE PLANS									



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
NHPP-2174(500)	
BRIDGE NO.5933	WIN
	021745.00
	BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			SIGNATURE
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DESIGNS 1			
DESIGNS 2			P.E. NUMBER
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DESIGNS 6			DATE
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DESIGNS 8			
DESIGNS 9			
DESIGNS 10			FIELD CHANGES
DESIGNS 11			
DESIGNS 12			
DESIGNS 13			

INTERSTATE 295 OVER VERANDA STREET	CUMBERLAND COUNTY
GENERAL PLAN 1	

SHEET NUMBER
5
OF 220

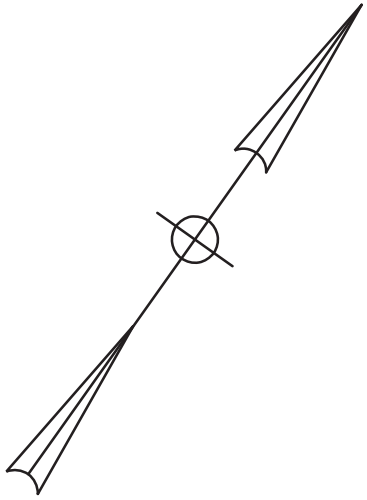
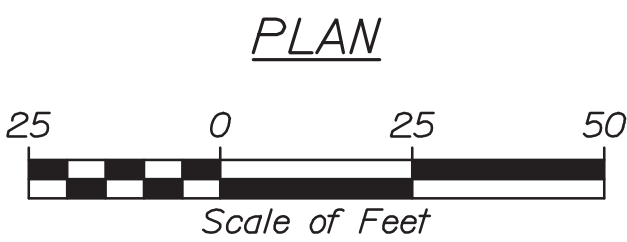
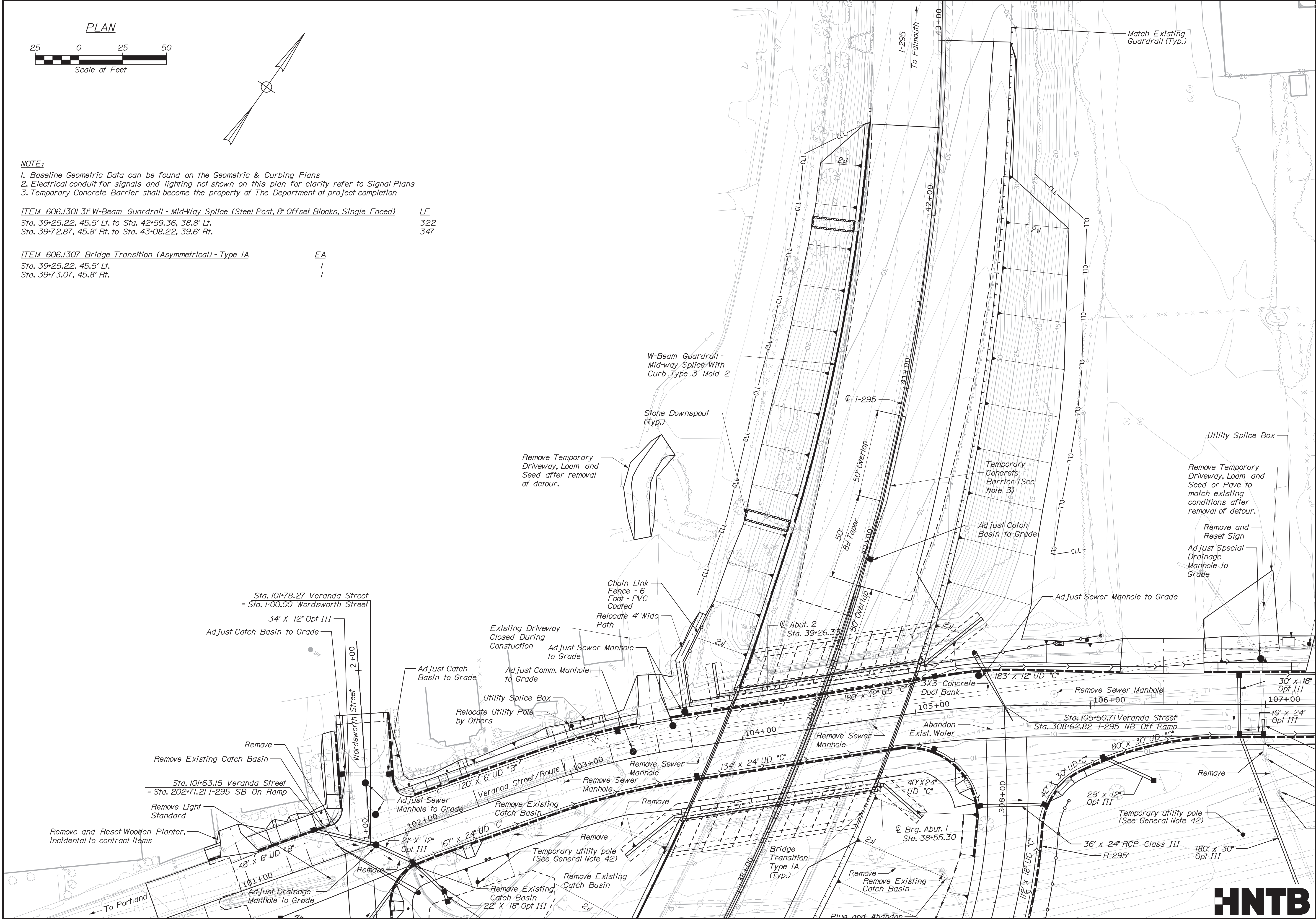
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Date:3/3/2020

Username:

Division:

Filename: 006_BDPJan_02.dgn



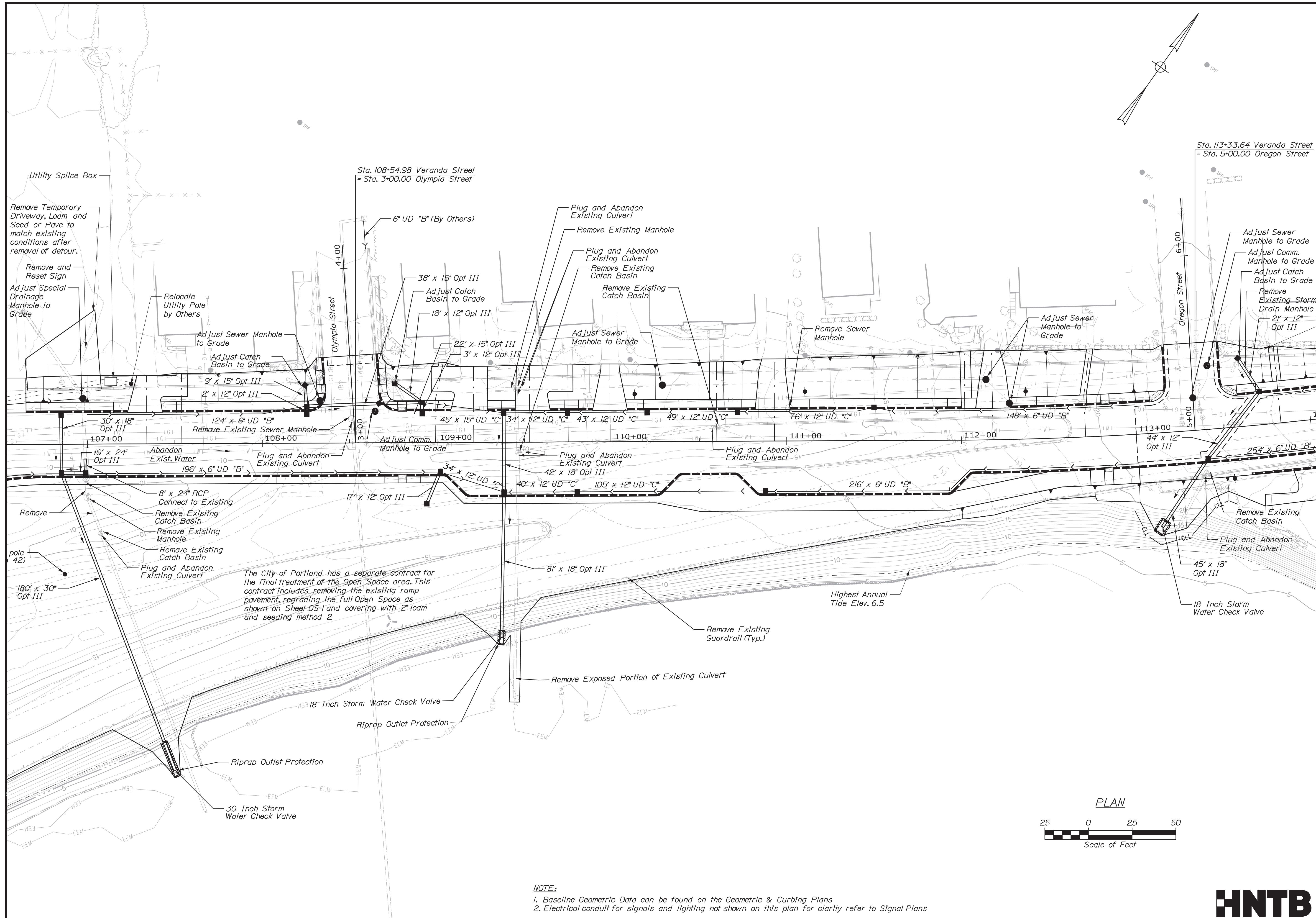
- NOTE:
1. Baseline Geometric Data can be found on the Geometric & Curbing Plans
 2. Electrical conduit for signals and lighting not shown on this plan for clarity refer to Signal Plans
 3. Temporary Concrete Barrier shall become the property of The Department at project completion

ITEM 606.1301 31" W-Beam Guardrail - Mid-Way Splice (Steel Post, 8" Offset Blocks, Single Faced) LF
 Sta. 39+25.22, 45.5' Lt. to Sta. 42+59.36, 38.8' Lt. 322
 Sta. 39+72.87, 45.8' Rt. to Sta. 43+08.22, 39.6' Rt. 347

ITEM 606.1307 Bridge Transition (Asymmetrical) - Type IA EA
 Sta. 39+25.22, 45.5' Lt. /
 Sta. 39+73.07, 45.8' Rt. /

SHEET NUMBER										STATE OF MAINE									
6										DEPARTMENT OF TRANSPORTATION									
										NHP-2174(500)									
										BRIDGE NO. 5933									
										WIN 021745.00									
BRIDGE PLANS																			
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY GENERAL PLAN 2										PROJ. MANAGER		D. EATON		BY		DATE			
										DESIGN-DETAILED		EOD		COH		2/20			
										CHECKED-REVIEWED		RWH		LZO		2/20			
										DESIGN2-DETAILED2									
										DESIGN3-DETAILED3									
										REVISIONS 1						P.E. NUMBER			
										REVISIONS 2									
										REVISIONS 3									
										REVISIONS 4						DATE			
										FIELD CHANGES									

OF 220



Date: 3/3/2020

Username:

Division:

Filename: 007_BDPlan_03.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NHPP-2174(500)

1745.00

BRIDGE NO. 5933

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-Detailed	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-Detailed	D2		
DESIGN-Detailed	D3		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
SIGNATURE			
P.E. NUMBER			
DATE			

INTERSTATE 295 OVER
VERANDA STREET

COMBELLAND COUNCIL

CONFIDENTIAL

SHEET NUMBER

7

OF 220

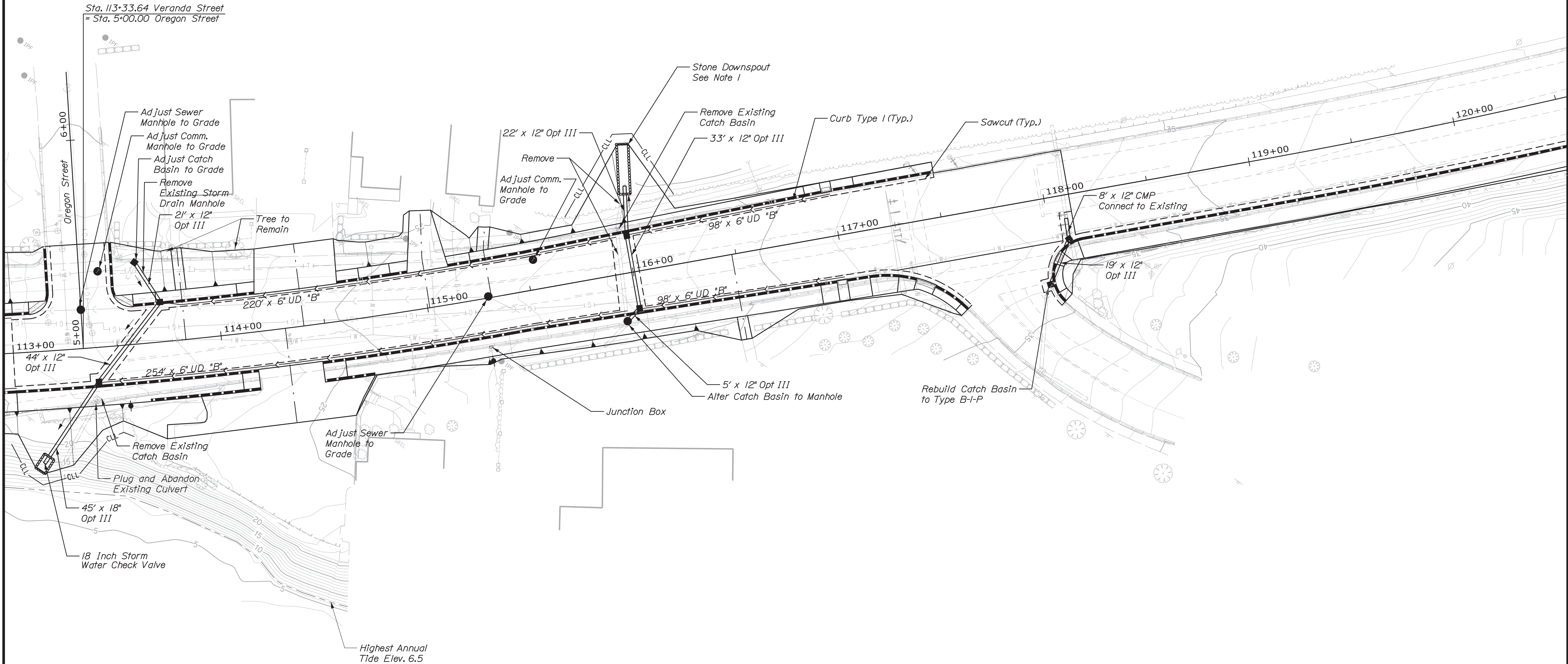
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Date: 3/3/2020

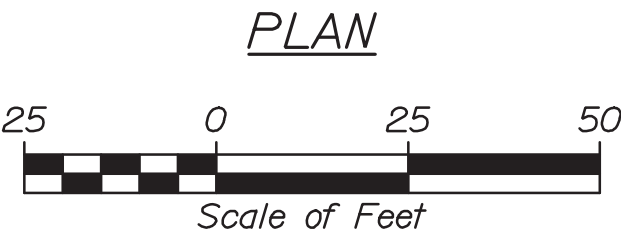
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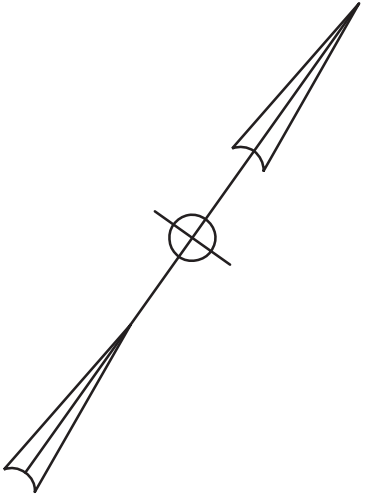
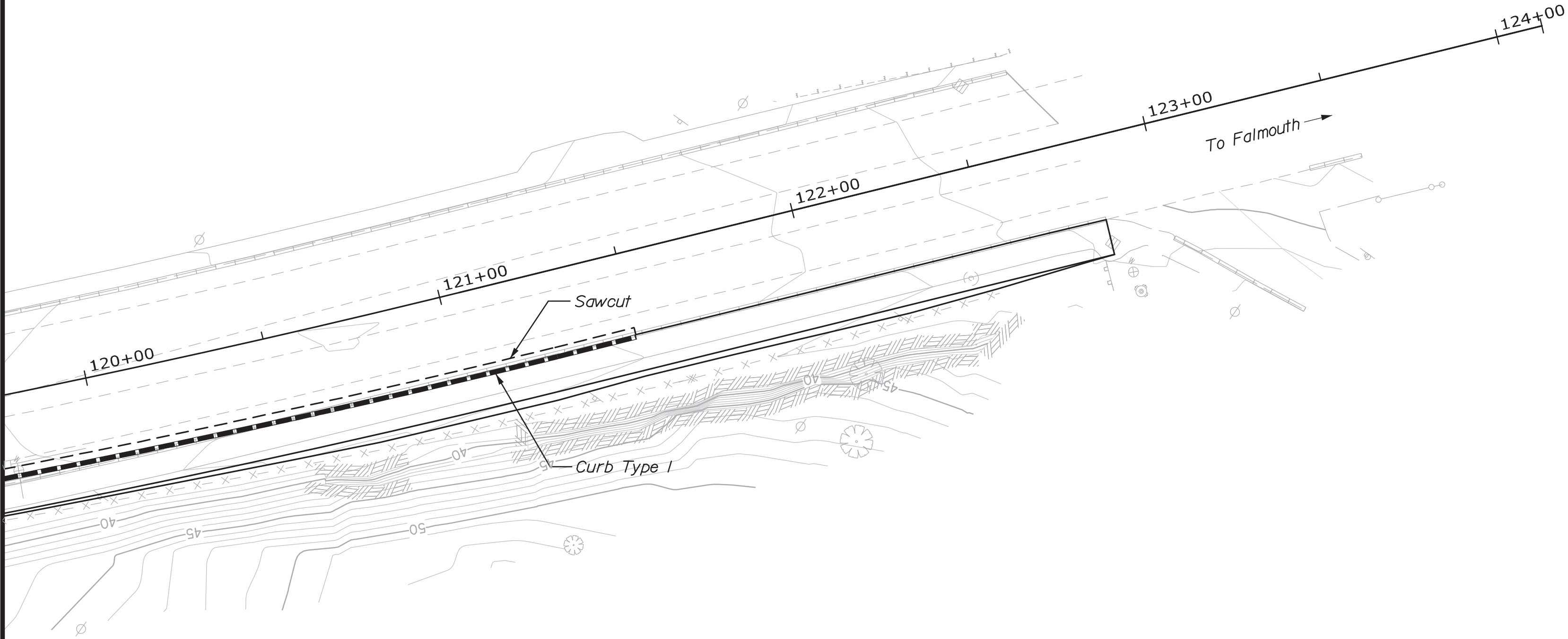


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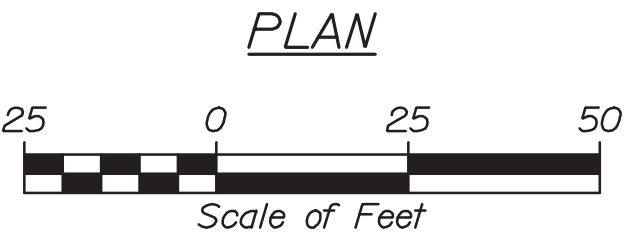
1. Limits of Work at This Drainage Outfall Are Approximate, Actual Limits of Clearing, Riprap, and Fill Shall be Confirmed by the Resident
2. Baseline Geometric Data can be found on the Geometric & Curbing Plans
3. Electrical conduit for signals and lighting not shown on this plan for clarity refer to Signal Plans



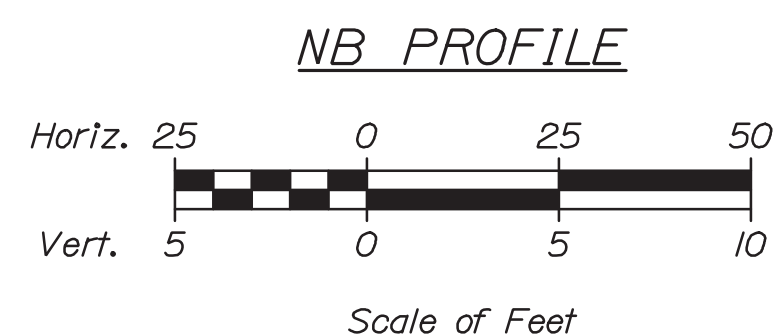
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
NHP-2174(500)		WIN	
BRIDGE NO. 5933		021745.00	
BRIDGE PLANS			
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY	
GENERAL PLAN 4		SHEET NUMBER	
8		OF 220	
PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
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FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE			

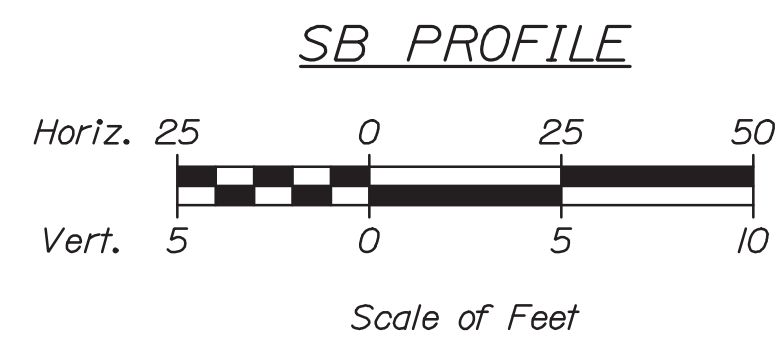


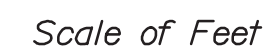
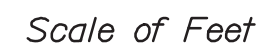
NOTE:
Baseline Geometric Data can be found on the Geometric & Curbing Plans

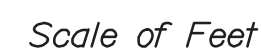


SHEET NUMBER 9 OF 220	INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER	D. EATON	BY	DATE
	GENERAL PLAN 5				DESIGN-DETAILED	EDD	CDH	2/20
					CHECKED-REVIEWED	RWH	LZD	2/20
					DESIGN2-DETAILED2			
					DESIGN3-DETAILED3			
					REVISIONS 1			P.E. NUMBER
					REVISIONS 2			
					REVISIONS 3			
					REVISIONS 4			DATE
					FIELD CHANGES			
STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHP-2174(500) BRIDGE NO.5933 WIN 021745.00 BRIDGE PLANS								









PORTLAND CUMBERLAND COUNTY
VERANDA STREET 1

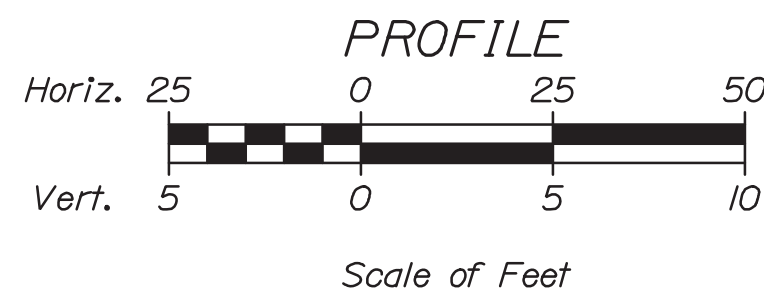
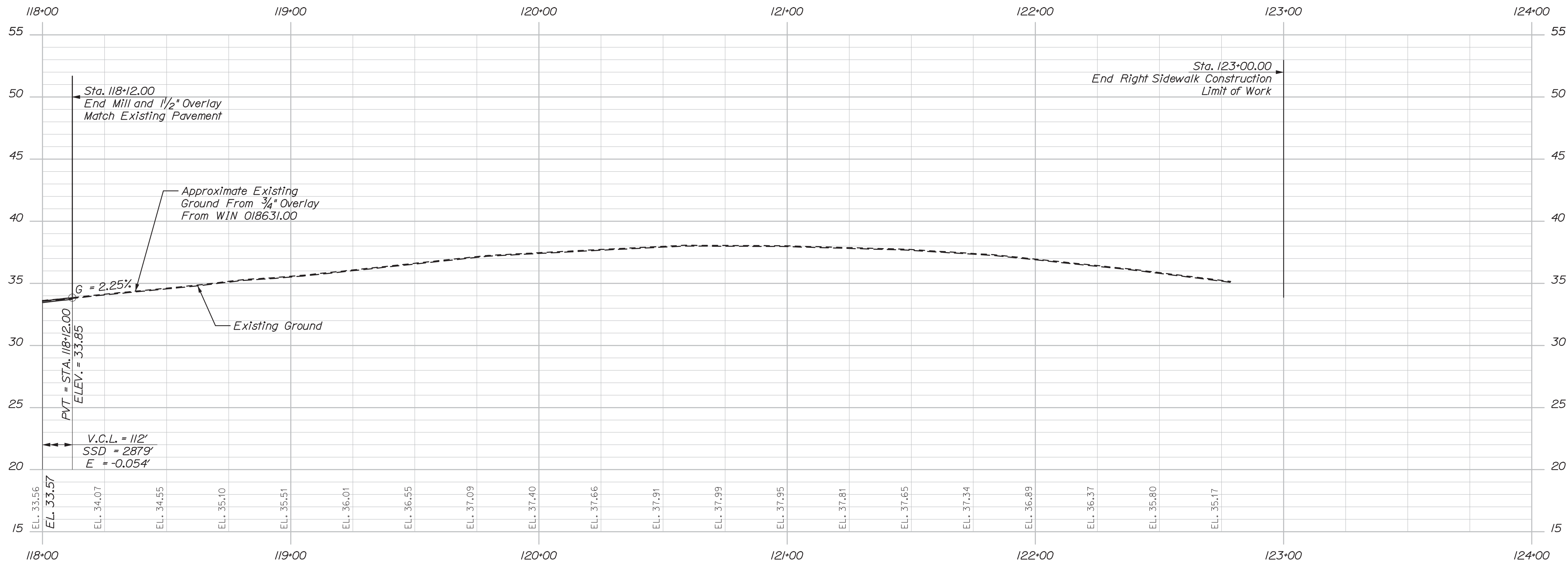
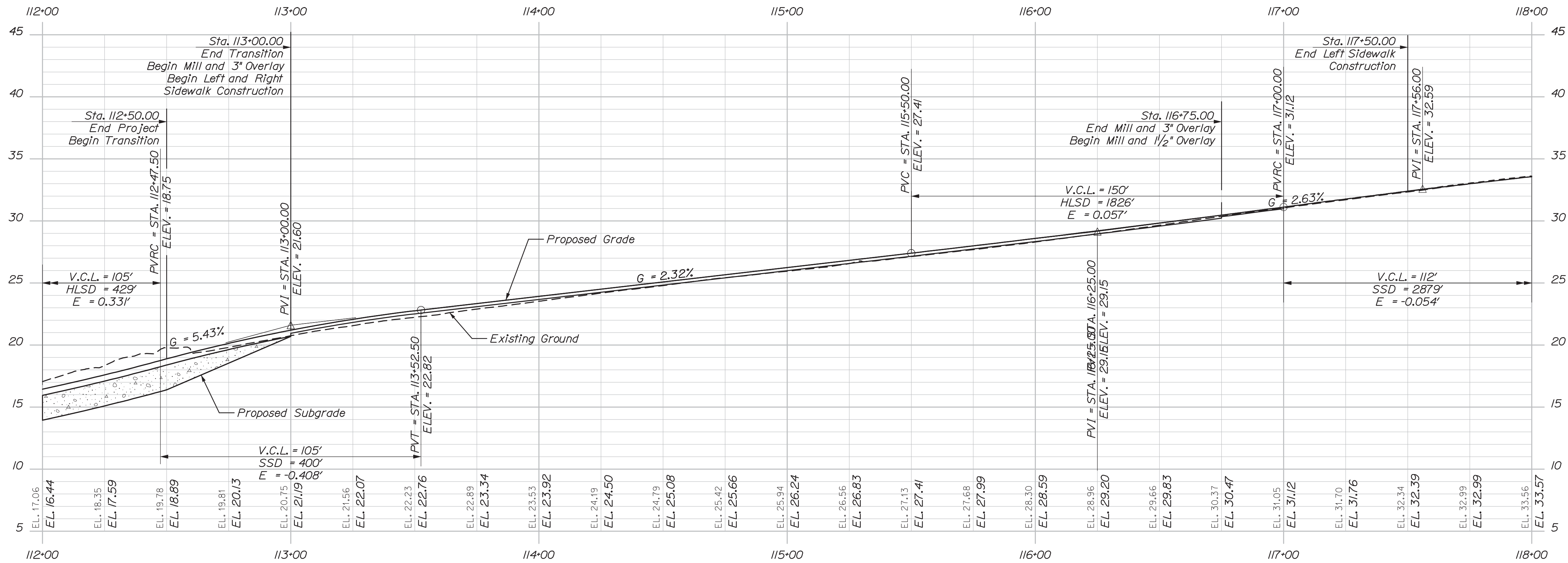
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CHECKED-REVIEWED	RWH	LZO	21.20
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
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REVISIONS 4			
FIELD CHANGES			

Date:3/3/2020

Username:

Division:

Filename: 014_Profile_Veranda_02.dgn



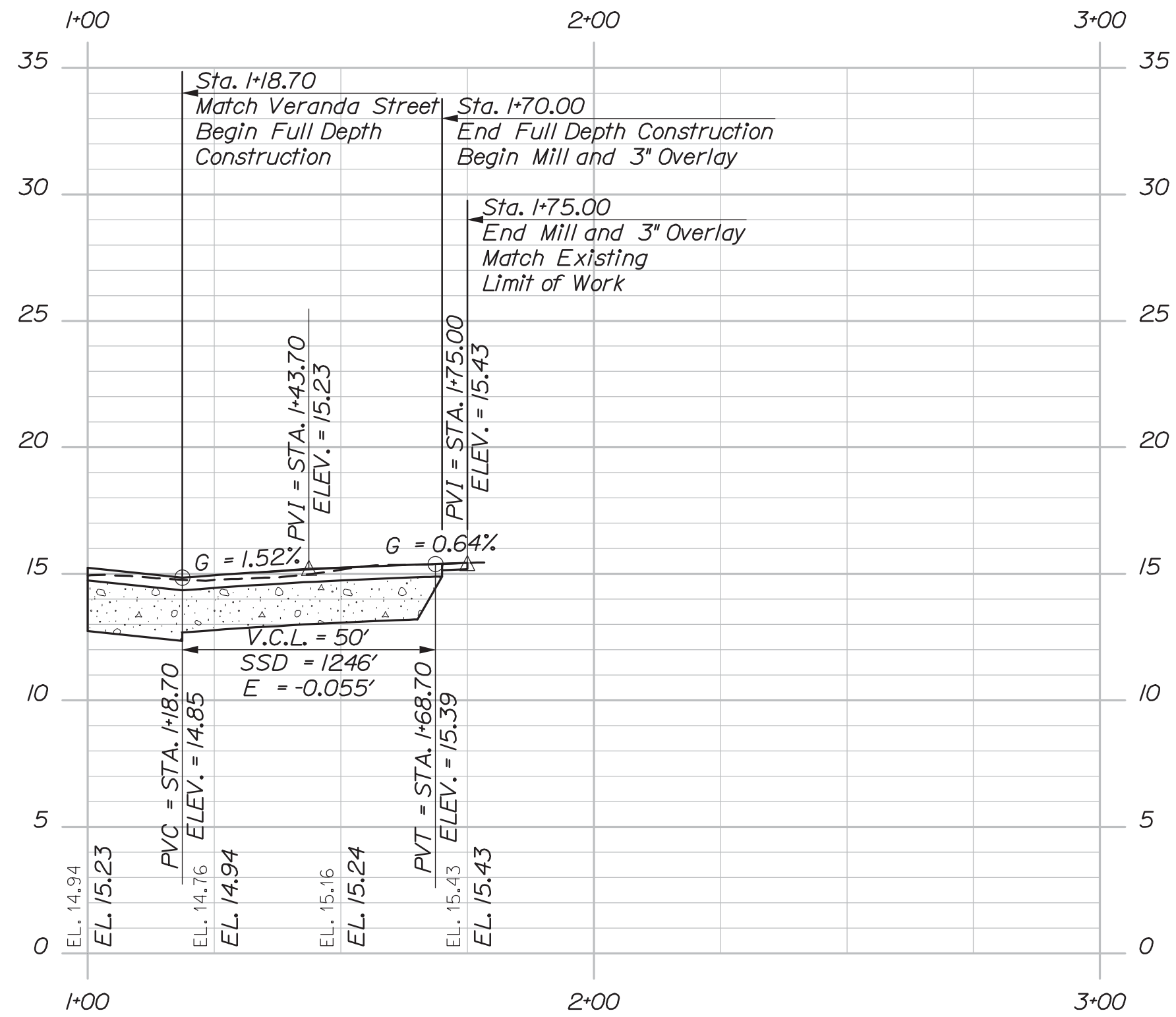
SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
14 OF 220		PROFILE VERANDA STREET 2		DESIGN-DETAILED		EDD		COH		2/20		SIGNATURE		
				CHECKED-REVIEWED		RWH		LZO		2/20				
				DESIGN2-DETAILED2										
				DESIGN3-DETAILED3										
				REVISIONS 1						P.E. NUMBER		NHP-2174(500)		
				REVISIONS 2										
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				FIELD CHANGES						DATE		BRIDGE NO.5933	WIN 021745.00	BRIDGE PLANS

Date:3/3/2020

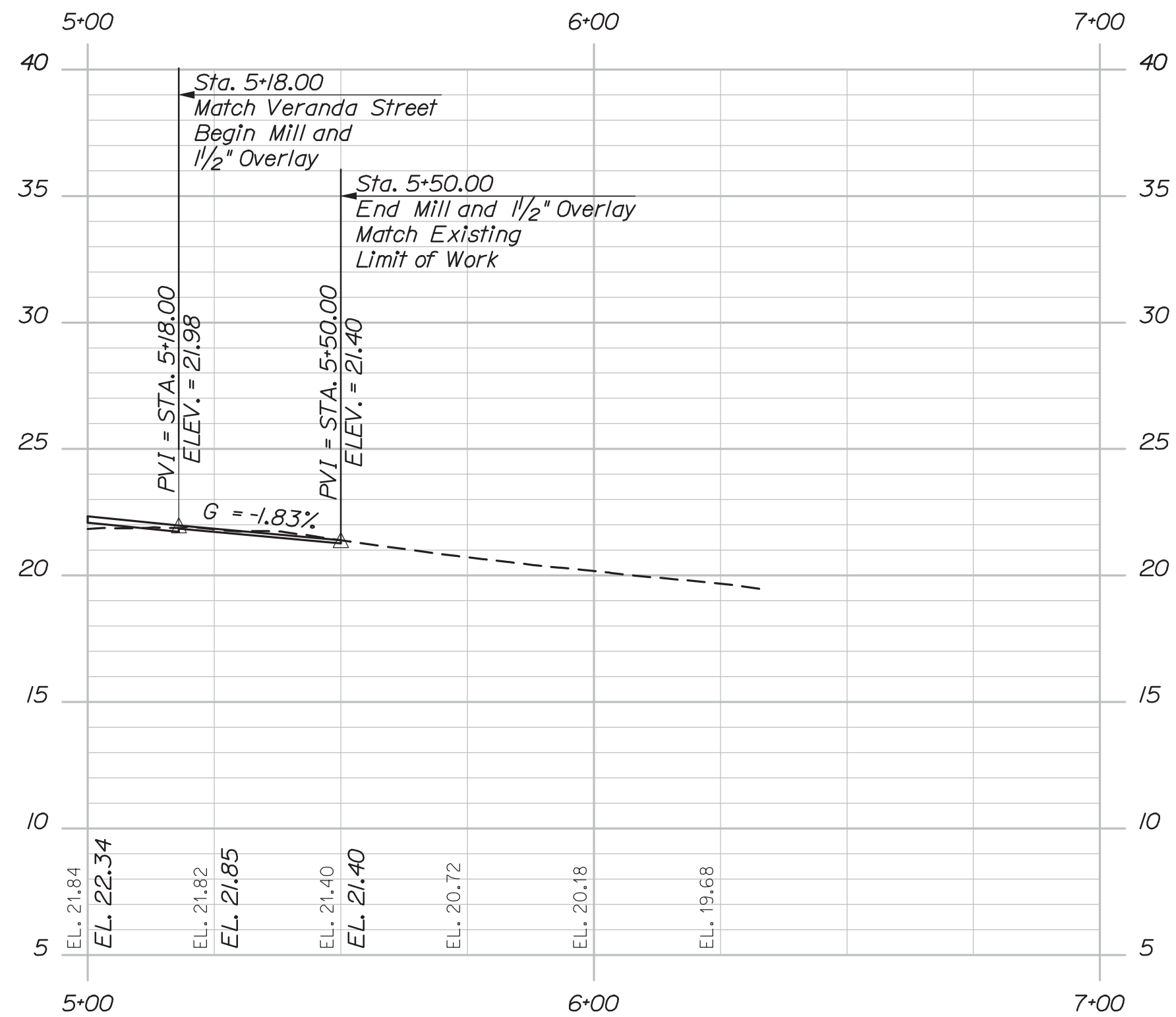
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Division:

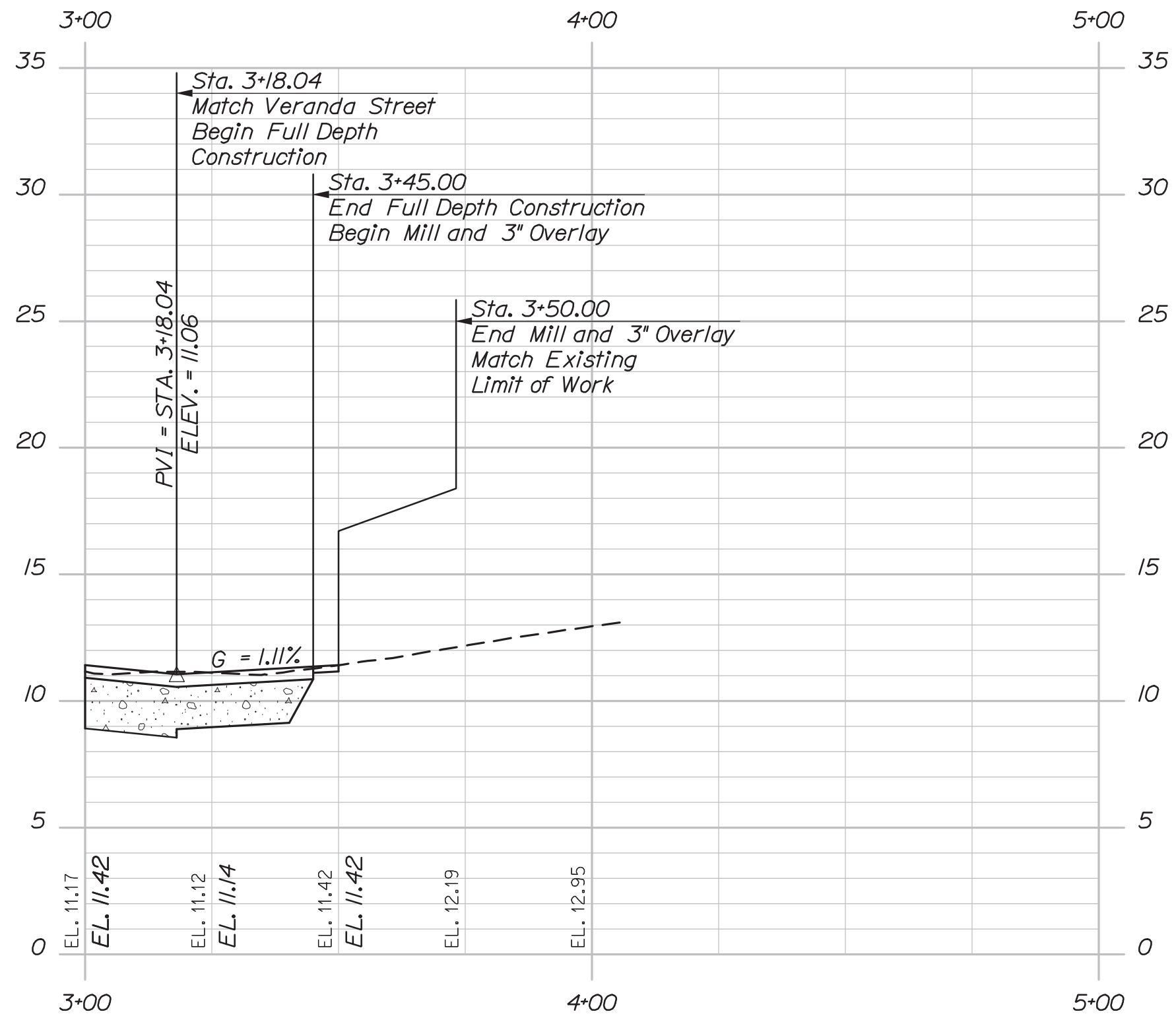
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WORDSWORTH STREET PROFILE



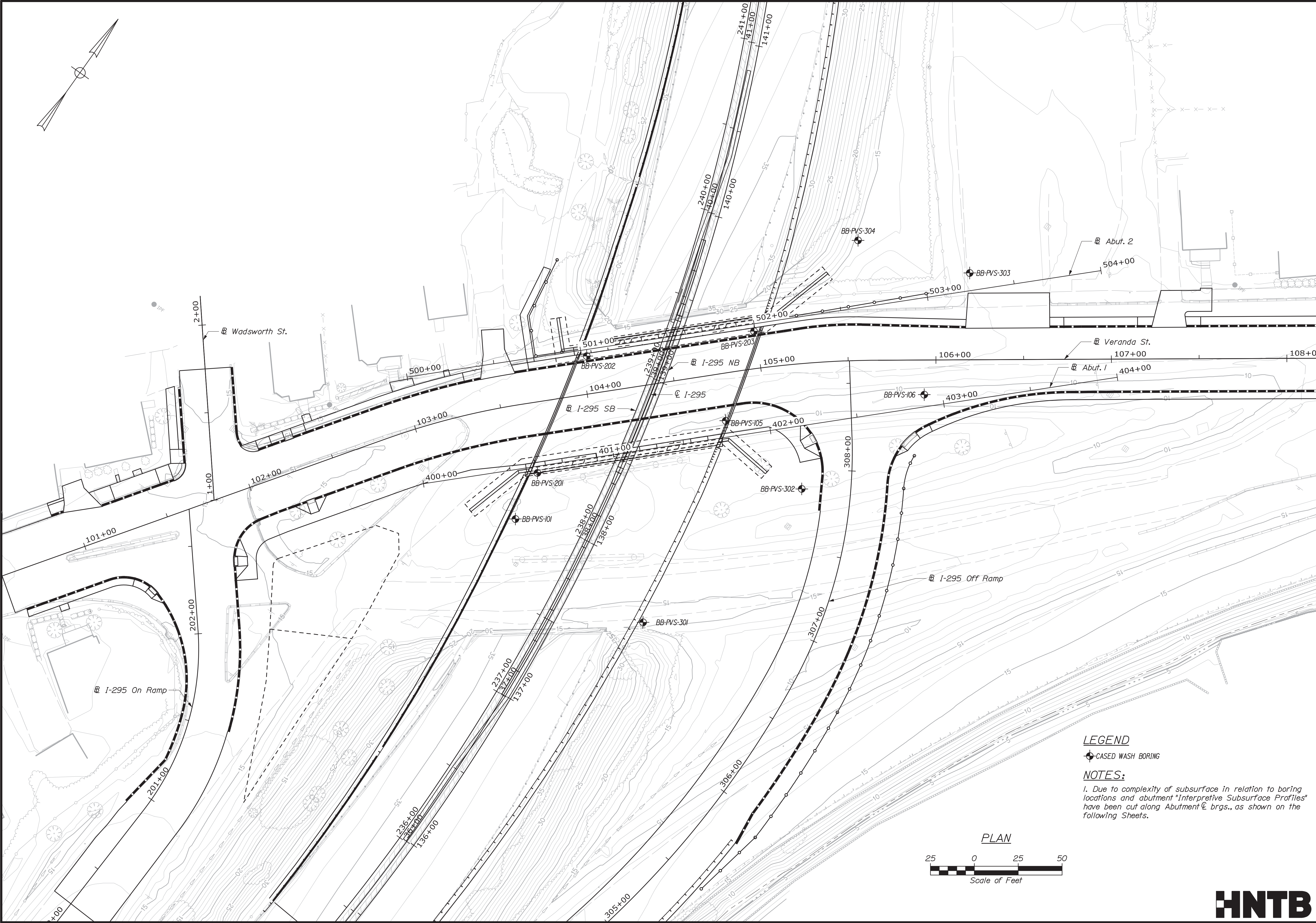
OREGON STREET PROFILE



OLYMPIA STREET PROFILE



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY	
PORTLAND		PROFILE SIDE ROADS	
SHEET NUMBER		15	
OF 220		BRIDGE NO. 5933	
WIN		021745.00	
BRIDGE PLANS		NHP-2174(500)	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER		DESIGNED	
DESIGNED		CHECKED	
CHECKED		DESIGNED	
DESIGNED		REVISIONS 1	
REVISIONS 1		REVISIONS 2	
REVISIONS 2		REVISIONS 3	
REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	
BY		DATE	
CDH		2/20	
LZD		2/20	



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO.5933
WIN
021745.00
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND

BORING LOCATION PLAN

SHEET NUMBER
16
OF 220

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	HLW	PEB	2/20
CHECKED-REVIEWED	KEB	JMB	2/20
DESIGN-DETAILED			
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

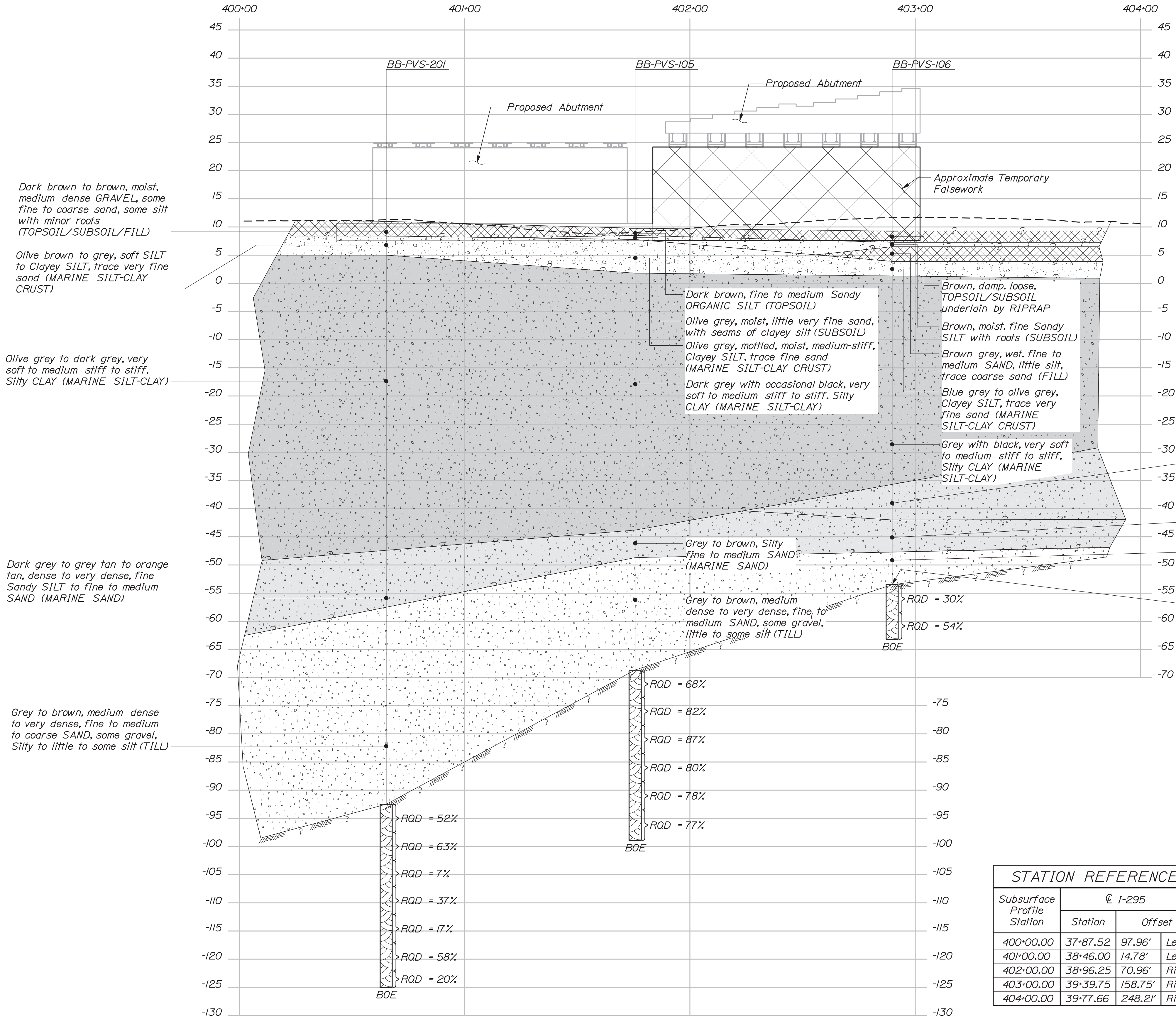
SIGNATURE
P.E. NUMBER
DATE



Date: 3/3/2020

Username:

Filename: 017_Interpretive Subsurface Profile A1.dgn Division:



Dark brown to brown, moist, medium dense GRAVEL, some fine to coarse sand, some silt with minor roots (TOPSOIL/SUBSOIL/FILL)

Olive brown to grey, soft SILT to Clayey SILT, trace very fine sand (MARINE SILT-CLAY CRUST)

Olive grey to dark grey, very soft to medium stiff to stiff, Silty CLAY (MARINE SILT-CLAY)

Dark grey to grey tan to orange tan, dense to very dense, fine Sandy SILT to fine to medium SAND (MARINE SAND)

Grey to brown, medium dense to very dense, fine to medium to coarse SAND, some gravel, Silty to little to some silt (TILL)

Dark brown, fine to medium Sandy ORGANIC SILT (TOPSOIL)
Olive grey, moist, little very fine sand, with seams of clayey silt (SUBSOIL)
Olive grey, mottled, moist, medium-stiff, Clayey SILT, trace fine sand (MARINE SILT-CLAY CRUST)
Dark grey with occasional black, very soft to medium stiff to stiff, Silty CLAY (MARINE SILT-CLAY)

Brown, damp, loose, TOPSOIL/SUBSOIL underlain by RIPRAP
Brown, moist, fine Sandy SILT with roots (SUBSOIL)
Brown grey, wet, fine to medium SAND, little silt, trace coarse sand (FILL)
Blue grey to olive grey, Clayey SILT, trace very fine sand (MARINE SILT-CLAY CRUST)
Grey with black, very soft to medium stiff to stiff, Silty CLAY (MARINE SILT-CLAY)

Grey, loose, interbedded SILT, some fine sand; fine to medium SAND, trace to little silt; and Silty CLAY (TRANSITION, MARINE SILT AND SANDS)

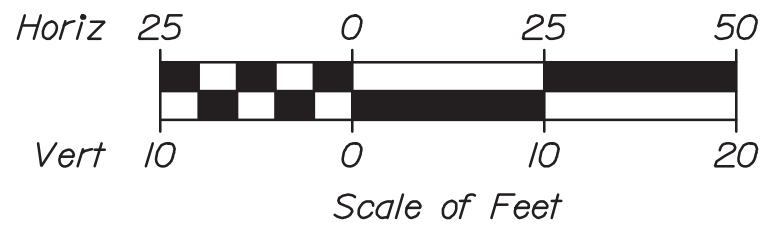
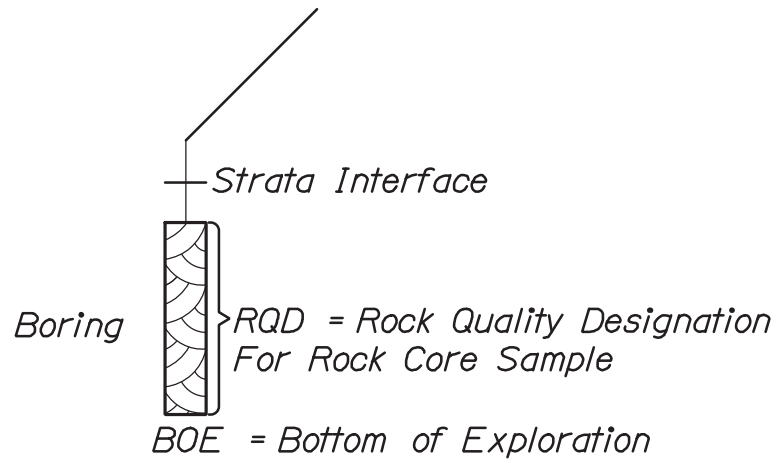
Light brown, fine to coarse SAND, trace to fine gravel, trace silt (MARINE SAND)

Grey, medium dense to very dense, fine to medium to coarse SAND, some gravel, little to some silt (TILL)

Weathered Bedrock

STATION REFERENCE			
Subsurface Profile Station	@ I-295		
	Station	Offset	
400+00.00	37+87.52	97.96'	Left
401+00.00	38+46.00	14.78'	Left
402+00.00	38+96.25	70.96'	Right
403+00.00	39+39.75	158.75'	Right
404+00.00	39+77.66	248.21'	Right

LEGEND



NOTES:

1. This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.
2. Abutment linework shown screened for clarity.

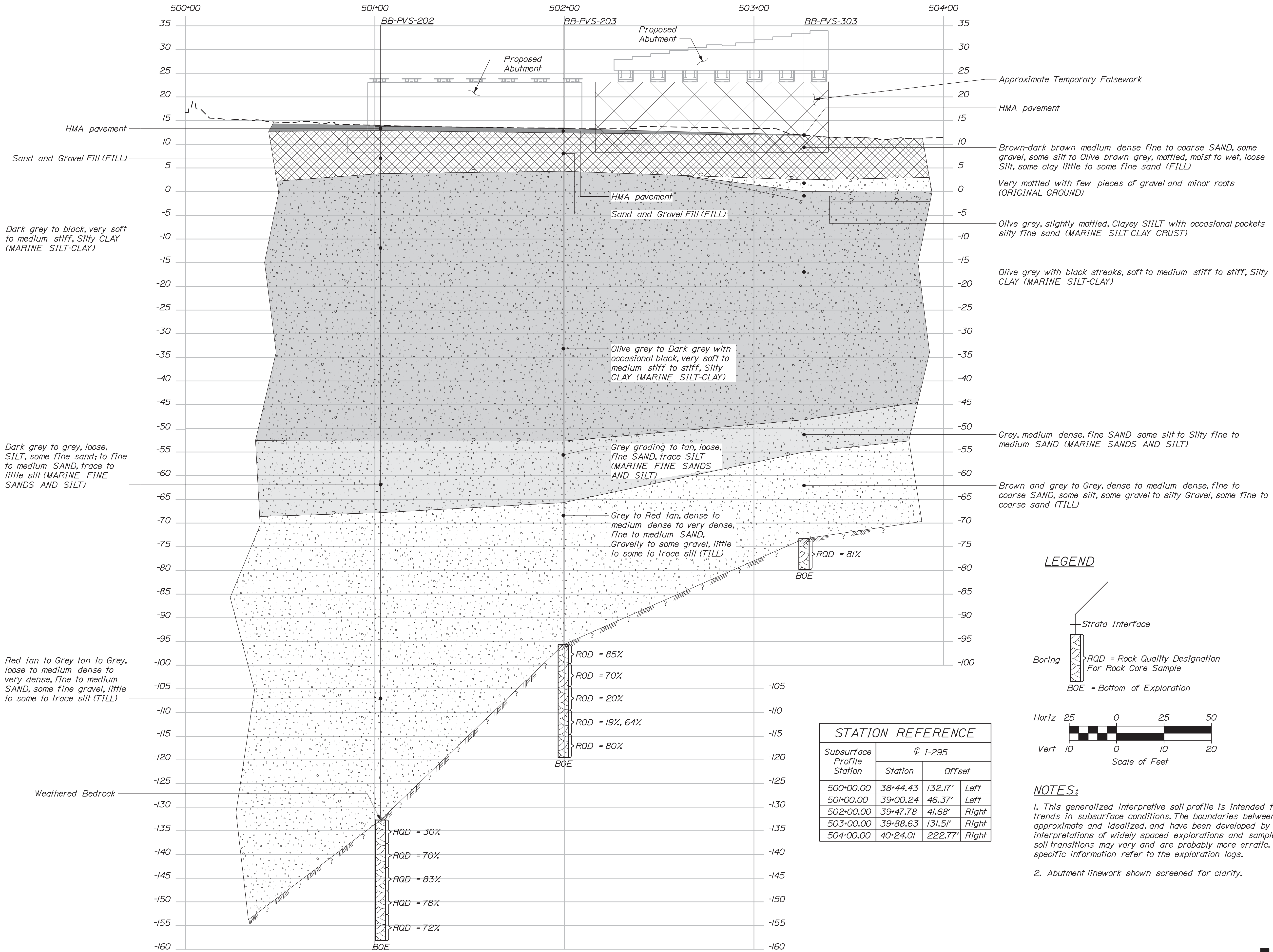
PROFILE
(Along @ Abut. 1), Looking Upstation I-295

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS		
INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY		PORTLAND		SHEET NUMBER		17		OF 220	
INTERPRETIVE SUBSURFACE PROFILE ALONG ABUT. 1									

Date: 3/3/2020

Username:

Filename: 018_Interpretive Subsurface Profile A2.dgn Division:



PROFILE
(Along @ Abut. 2), Looking Upstation I-295



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO. 5933
WIN 021745.00
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND

INTERPRETIVE SUBSURFACE
PROFILE ALONG ABUT. 2

SHEET NUMBER
18
OF 220

[illegible][illegible][illegible][illegible]

SHEET NUMBER 20 OF 220	INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	PROJ. MANAGER	D. EATON	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED	EDD	COH	2/20	
		CHECKED-REVIEWED	RWH	LZO	2/20	
		DESIGN2-DETAILED2			SIGNATURE	
		DESIGN3-DETAILED3			P.E. NUMBER	
	BORING LOGS 2	REVISED 1				NHP-2174(500)
		REVISED 2				
		REVISED 3				
		REVISED 4			DATE	
		FIELD CHANGES				
				BRIDGE NO.5933	WIN	BRIDGE PLAN
				021745.00		

Maine Department of Transportation				Project: Bridge #5933 +295 over Veranda Street Location: Partridge, ME		Boring No.: BB-PVS-202
Soil/Rock Exploration Log US CUSTOMARY UNITS						WIN: 21745.00
Driller: New England Boring Contractors		Elevation (ft.): 13.8 ft.	Auger ID/OD: R/G 1/2x6 excavation to 13.8 ft.			
Operator: Schenker / Titus		Datum: NAVD83	Sampler: standard split-spoon			
Logged By: Schonewald		Rig Type: ROTTE DP-11; B-53 PQAB TNEBC	Sampler Wt./Fall: 140 lbs / 30 inches			
Date Start/Finish: 10/11/18 1155 - 10/23/18 1500		Drilling Method: JBS-24	Core Barrel: NQ2 (wireline)			
Boring Location: N 310708.2, E 1016680.5		Casing ID/OD: HW 4(4.5") NK 13(3.5")	Water Level#: 7.5 ft (open)			
Hammer Efficiency Factor: 0.937		Hammer Type: Automatic GS	Hydraulic ☐	Rope & Cathode ☐		
S = Split Spoon Sample MS = unsuccessful Split Spoon Sample Attempt U = Thin Wall Tube Sample MU = unsuccessful Thin Wall Tube Sample Attempt V = Field Vane Shear Test, PP = Pocket Penetrometer MWTC = Weight of Rod or Casing Wc = unsuccessful Field Vane Shear Test Attempt RWL = Radius of the Pipe, Neg. = Hammer Efficiency Factor Not Measured		% = Percent Tested S_u(avg) = Lab Vane Unsheared Shear Strength (avg) S_u(max) = Lab Vane Unsheared Shear Strength (max) S_c = Undrained Cohesive Strength (avg) S_c(max) = Undrained Cohesive Strength (max) R_L = Plastic Limit L_N = Liquid Limit P_L = Plastic Limit P_r = Prioritry Index G = Grain Size Analysis C = Coarse Gravel Test				
Sample Information						
Depth (ft.)	Comp No.	Rev./Alt., I/n	Sample Depth (cm.)	Blade / S.G. In. Shear Strength (psf/kN) or RQD (%)	Uncorrected RQD	Corrected RQD
135	R2	60/60	152.0 ~ 157.0	ampl 151.4=151.9 ampl 153.5=154.0		
	R3	60/60	157.0 ~ 162.0	RQD: 50=80% RQD: 15.7=33.7 G		
	R4	60/60	162.0 ~ 167.0	RQD: 47=78%		
	R5	60/59	167.0 ~ 172.0	RQD: 43=72%		
158.2	Bottom of Exploration at 172.0 feet below ground surface.					
172.0	End of Log					

NEBC Rig #B-24 automatic hammer calibrated on 7/3/2018.
 Successfully vacuum excavate to 7.5 ft BGS; terminated at observed groundwater.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 3 of 3

Boring No.: BB-PVS-202

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Maine Department of Transportation Sol/Rock Exploration Log US CUSTOMARY UNITS Project: Bridge #5533 +295 over Vergado Street Project: Portland, ME Boring No.: BB-PVS-303 WIN: 21745.00									
Driller: _____		Elevation (ft.): 12.0		Auger 10/00: SSA (+/-4.5")		Sampler: standard split-spoon Hammer Wt./Fall: 140 lbs / 30 inches Core Barrel: N02 Water Level: 8.4 ft (open) Efficiency Factor: .842			
Operator: _____		Datum: NAVD83		Sampler: standard split-spoon					
Logged By: _____		Rig Type: MDT18 DR11T B-53 INCB ATG HV J31		Hammer Wt./Fall: 140 lbs / 30 inches					
Date Start/Finish: 7/16/19 1415 - 7/17/19 1430		Drilling Method: cased shaft		Core Barrel: N02					
Boring Location: N 310835, E 1016831		Casing 10/00: HW 1/4x5.5" NW 13/5.5"		Water Level: 8.4 ft (open)					
Hammer Type: Automatic SS Hydraulic Rope & Corded Efficiency Factor: .842									
R = Rock Core Sample SS = Solid Rock Sample HS = Hard Soil Sample W = Weak Soil Sample M = Muck F = Fine Sand G = Gravel S = Sand C = Clay L = Limestone O = Other R = Rock Core Sample SS = Solid Rock Sample HS = Hard Soil Sample W = Weak Soil Sample M = Muck F = Fine Sand G = Gravel S = Sand C = Clay L = Limestone O = Other									
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R = Rock Core Sample SS									

22 OF 220	SHEET NUMBER	PORTLAND		INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY		PROJ. MANAGER	DESIGN-DETAILED	EDD	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHP-2174(500)
		BORING LOGS 4				CHECKED-REVIEWED	RWH	COH	2/20	SIGNATURE	
					DESIGN-DETAILED	LZO	LZO	2/20			
					DESIGN-DETAILED						
					REVISIONS 1				P.E. NUMBER		
					REVISIONS 2						
					REVISIONS 3						
					REVISIONS 4				DATE		
					FIELD CHANGES						
									</		

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS				Project Bridge #5933 -295 over Veranda Street Location For Rd., ME		Boring No.: 1 BB-PVS-304	
Driller: New England Boring Contractors		Elevation (ft.): 14.4	Auger ID/OD: SSA (-/-4.5")		WIN: 21745.00		
Operator: Emas/Maynard		Durumt: NAV088	Rig type: MVB18 DP11-B53 NULB AIR W/P		Hammer Wt./Fall: 140 lbs / 30 inches		
Logged By: Schneewald			Drilling Method: cased wash boring		Core Barrel: N02		
Date Start/Finish: 7/11/19; 10/15 - 7/16/19; 1405		Drilling Location: N 310852, E 1016768		Casing ID/OD: HW (4.4/5") NW (3/3.5")		Water Level: 5.5 ft (open)	
Hammer Efficiency Factor: 0.842		Hammer Type: Automatic SS		Rod & Contact ID			
R = Rock Core Sample S = Soil/Site Layer M = Miscellaneous V = Field Vane Shear Test W = Water Content P = Plastic Limit L = Liquid Limit C = Cone Penetration Test N = Nuclear Density/Gamma Ray H = Hammer Efficiency Factor A = Air Pressure T = Torque F = Friction G = Gravel SAND = Sand CLAY = Clay SILT = Silt CRUST = Crust CONCRETION = Concretion GRAVEL = Gravel COARSE SAND = Coarse Sand FINE SAND = Fine Sand STIFF CLAY = Stiff Clay MEDIUM STIFF CLAY = Medium Stiff Clay SOFT CLAY = Soft Clay VERY SOFT CLAY = Very Soft Clay POSSIBLY PUSHED A CONCRETION. SSA = Solid Stem Auger SSA = Hollow Stem Auger RC = Roller Cone W = Weight of Rods or Casing SPT = Standard Penetration Test							

Maine Department of Transportation										Project: Bridge #5933 -295 over Veranda Street Location: Port Hope, ME		Boring No.: BB-PVS-304	
Soil/Rock Exploration Log US CUSTOMARY UNITS										WIN: 21745.00			
Driller: New England Boring Contractors		Elevation (ft.): 14.4		Date: 10/20/01		SSA (1'-24.5')							
Operator: Enos/Maynard		Datum: NAVD88		Sampler: Standard Split-Spoon									
Logged By: Schoenwald		Rig Type: MDSI DPT-11 B-53 TRBLC ATV RIG		Sampler R/F/Fail: 140 lbs / 30 inches									
Date Start/Finish: 7/11/19: 1015 - 7/16/19: 1405		Drilling Method: cased wash boring		Core Barrel: N02									
Boring Location: N 310852, E 1016768		Casing ID/QD: HW 4/4.5" NW 15/3.5"		Water Level: 5.5 ft (open)									
Hammer Efficiency Factor: 0.842													
R = Rod Core Sample S = Solid Stem Layer H = Hammer Efficiency Factor (SPT) W = Water Content, percent M = Unconsolidated Split Spoon Sample Attempt K = Hollow Stem Layer G = Unconsolidated Gravelly Sample U = Liquid Limit V = Thin Wall Tube Sample RL = Roller Cone H = Plastic Limit P = Plastic Limit W = Unconsolidated Thin Wall Tube Sample Attempt R = Weight of Rods or Casing H = Hammer Efficiency Factor (SPT) C = Consolidation Factor X = Field Vane Shear Test PP = Pocket Penetrometer Reading = Weight of Rods or Casing H = SPT H = Hammer Efficiency Factor (SPT) C = Consolidation Factor N = Unconsolidated Split Spoon Sample Attempt RL = Weight of Rods or Casing H = SPT H = Hammer Efficiency Factor (SPT) C = Consolidation Factor													
Sample Information													
Depth (ft.)	Sample No.	Rev./Spec. (in)	Sample Depth (ft.)	Blades (in)	Shear Vane Depth (ft.)	Unconsolidated	N02	Coring Status	Sample Length (ft.)	Visual Description and Remarks	Laboratory Testing Results/ASD/GT and Field Class		
80	180	24/9	78.0 - 81.0	15-15-14-19	29	41			-66.1	Dark grey, medium dense, tight, fine to medium SAND, changing to little silt, MARINE SANDS AND SILT			
85	190	24/14	84.0 - 86.0	17-61-41-26	102	143			-70.6	Brown, fine to coarse SAND, some fine gravel, little silt, MARINE SANDS AND SILT			
90	200	24/10	89.0 - 91.0	16-13-23-16	56	51				Grey, dense, fine to coarse SAND, some gravel, some silt, TILL			
95										92.9 ft: Roller cone refusal: flush borehole: set NW casing. 94.0 ft: NW refusal: wash out attempt core run. 95.5 ft: Peg through boulder: continue test boring.			
100	210	24/15	99.0 - 101.0	23-27-24-22	51	72				Grey, very dense, fine to coarse SAND, some fine gravel, some silt, TILL			
105	220	24/22	104.0 - 106.0	62-34-44-54	78	109				Grey, very dense, fine to coarse SAND, some fine gravel, some silt, TILL			
110													
115	230	24/16	114.0 - 116.0	69-92-86-106	178	250				Grey, very dense, tight, silty fine to medium SAND, trace to little fine gravel, trace coarse sand with one 4-inch layer fine to coarse sandy gravel, some silt, TILL			
120										119.8 ft: Weathered rock based on drilling behavior and wash water. 120.2 ft: Grinding on hard layer. Stow advance roller cone to refusal at 120.2 ft.			
125	R1	60/60	123.2 - 128.2	R021 39" = 65%						R1: Bedrock: Grey, ophanitic to fine grained, PHYLITE with moderately dipping remnant bedding, calcisilicate veins, and healed cracks, (coral) bedding: hard, typically fresh. Moderately dipping, close to moderately spaced (breccia) undulating, rough, typically fresh, and open with occasional (trifling) lens, mudst somewhat silty. (ELOT FORMATION) Core times: 1:45/ 5:05/ 5:10/ 5:20/ 5:15 minutes/ Rock quality = Fair			
130										Bottom of Exploration at 128.2 feet below ground surface.			
135													
140													
145													
150													
NEBC ATV Rig 23 automatic hammer: calibrated on 7/8/2019.													
Stratification lines represent approximate boundaries between soil types; transitions may be gradual.										Page 2 of 2			
* Water level readings have been read at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.													
										Boring No.: BB-PVS-304			

VERANDA STREET
CURVE DATA #2
PI = 105+26.63
D = 10°25'02.7"
Δ = 8°28'01.1" Rt.
R = 550.00'
L = 81.28'
T = 40.71'
E = 1.50'

Sta. 101+12.42, Lt. to
Sta. 1+66.20, Lt.
Install 83.2 SY
Reinforced Concrete
Sidewalk

$$\frac{\text{Sta. } 101+63.15 \text{ Veranda Street}}{= \text{Sta. } 202+71.21 \text{ I-295 SB On Ramp}}$$

Sta. 100+87.04, Lt. to
Sta. 100+97.74 Lt., Lt.
Install 6.3 SY
Reinforced Concrete
Sidewalk

PT = STA. 202+02.31

Sta. 100+57.02, Rt. to
Sta. 101+32.74, Rt.
Install 46.5 SY
Reinforced Concrete
Sidewalk

I-295 ON RAMP
CURVE DATA #1
PI = 201+49.91
D = 38°11'49.9"
Δ = 42°01'10.0" Lt.
R = 150.00'
L = 110.01'
T = 57.61'
E = 10.68'

PC = STA. 200+92.31

I-295 Southbound Curve #1
I-295 Centerline Curve #1 -

I-295 Centerline Curve #1 -

I-295 NORTHBOUND
CURVE DATA #1
PI = 137+39.84
D = 5°02'29.1"
Δ = 55°40'29.3" Lt.
R = 1136.50'
L = 1104.35'
T = 600.16'
E = 148.73'

I-295 SOUTHBOUND
CURVE DATA #1
PI = 237+39.92
D = 5°04'54.0"
Δ = 55°40'29.3" Lt.
R = 1127.50'
L = 1095.60'
T = 595.40'
E = 147.55'

I-295 NB OFF RAMP
CURVE DATA #3
PI = 307+47.57
D = 20°50'05.4"
Δ = 31°03'45.9" Lt.
R = 275.00'
L = 149.09'
T = 76.43'
E = 10.42'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 5933	WIN 0217445.00	BRIDGE PLANS
NHPP-2174(500)			

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILS	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZO	2/20
DESIGN-DETAILS	EDD		
DESIGN-DETAILS	EDD		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

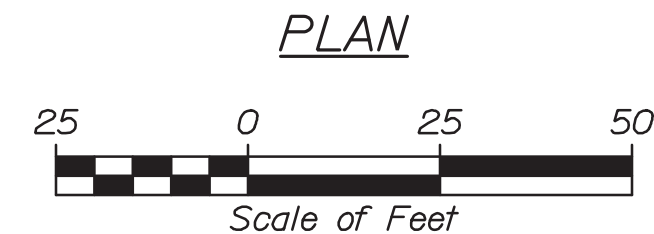
INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

GEOMETRIC &
CURBING PLAN 1

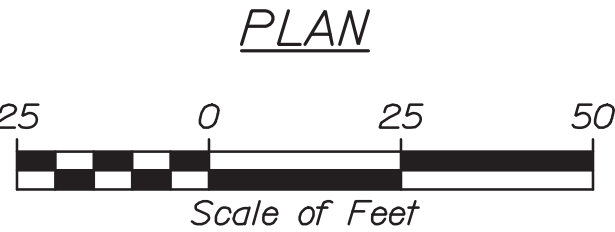
SHEET NUMBER

24

OF 220



I-295 CENTERLINE CURVE DATA #1 PI = 37+39.88 D = 5°03'41.3" Δ = 55°40'29.3" Lt. R = 1132.00' L = 1099.97' T = 597.78' E = 148.14'	I-295 NORTHBOUND CURVE DATA #1 PI = 137+39.84 D = 5°02'29.1" Δ = 55°40'29.3" Lt. R = 1136.50' L = 1104.35' T = 600.16' E = 148.73'	I-295 SOUTHBOUND CURVE DATA #1 PI = 237+39.92 D = 5°04'54.0" Δ = 55°40'29.3" Lt. R = 1127.50' L = 1095.60' T = 595.40' E = 147.55'
I-295 CENTERLINE CURVE DATA #2 PI = 43+63.96 D = 3°23'25.0" Δ = 8°15'00.0" Lt. R = 1690.00' L = 243.34' T = 121.88' E = 4.39'	I-295 NORTHBOUND CURVE DATA #2 PI = 143+66.24 D = 3°22'52.6" Δ = 8°15'00.0" Lt. R = 1694.50' L = 243.99' T = 122.21' E = 4.40'	I-295 SOUTHBOUND CURVE DATA #2 PI = 243+61.68 D = 3°23'57.6" Δ = 8°15'00.0" Lt. R = 1685.50' L = 242.69' T = 121.56' E = 4.38'



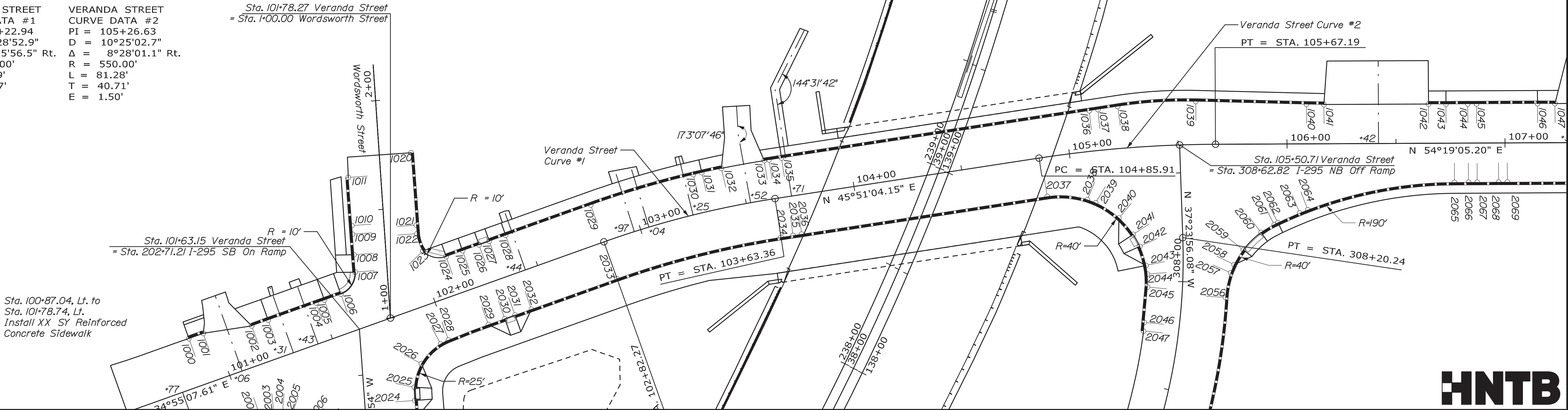
Item No. 609.11 Vertical Curb Type 1 Or 609.38 Reset Curb Type 1		
Point	Length	Radius
1003 to 1004	23.39'	-
1008 to 1009	9.43'	-
1010 to 1011	22.16'	-
1020 to 1021	33.24'	-
1028 to 1029	41.44'	-
1029 to 1030	49.09'	443.00'
1035 to 1036	142.86'	-
1037 to 1038	9.15'	-
1038 to 1039	36.00'	203.45'
1039 to 1040	50.78'	-
1043 to 1044	10.00'	-
1045 to 1046	28.00'	-

Item No. 609.23 Terminal Curb Type 1		
Point	Length	Radius
1000 to 1001	7.00'	-
1002 to 1003	8.00'	-
1005 to 1006	8.00'	-
1007 to 1008	8.00'	-
1022 to 1023	8.43'	16.00'
1024 to 1025	8.00'	-
1025 to 1026	8.00'	-
1027 to 1028	8.00'	-
1031 to 1032	9.20'	443.00'
1033 to 1034	2.24'	443.00'
1034 to 1035	5.76'	-
1040 to 1041	8.00'	-
1042 to 1043	8.00'	-
1046 to 1047	8.00'	-

NOTES:

- Unless otherwise noted, sidewalks shall consist of 2" HMA and 12" aggregate subbase course gravel (Type D).
- For lengths and station/offset locations of curb type 3, refer to cross sections

VERANDA STREET CURVE DATA #1 PI = 103+22.94 D = 13°28'52.9" Δ = 10°55'56.5" Rt. R = 425.00' L = 81.09' T = 40.67' E = 1.94'	VERANDA STREET CURVE DATA #2 PI = 105+26.63 D = 10°25'02.7" Δ = 8°28'01.1" Rt. R = 550.00' L = 81.28' T = 40.71' E = 1.50'
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NOTE:
1. Unless otherwise noted, sidewalks shall consist of 2" HMA and 12" aggregate subbase course gravel (Type D).

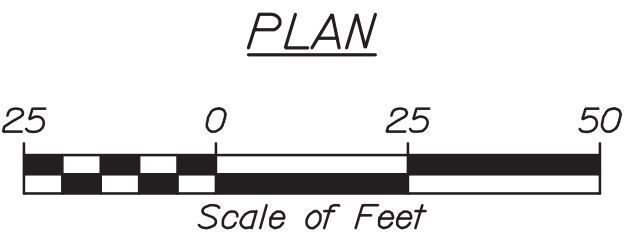
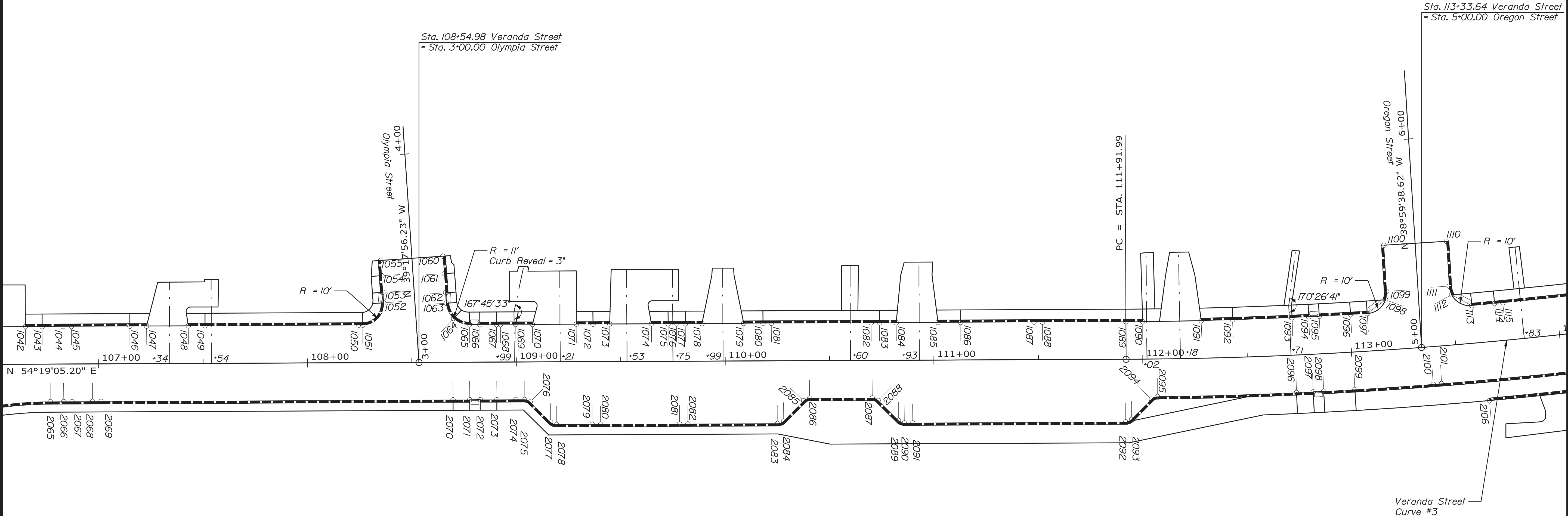
Item No. 609.11 Vertical Curb Type 1 Or 609.38 Reset Curb Type 1		
Point	Length	Radius
1049 to 1050	73.67'	-
1054 to 1055	7.36'	-
1060 to 1061	8.39'	-
1068 to 1069	7.30'	-
1076 to 1077	4.22'	-
1081 to 1082	47.80'	-
1086 to 1087	35.10'	-
1088 to 1089	39.99'	-
1092 to 1093	28.53'	1982.00'
1099 to 1100	22.16'	-
1110 to 1111	21.51'	-
2069 to 2070	168.60'	-
2073 to 2074	9.13'	-
2076 to 2077	13.66'	-
2078 to 2079	17.15'	-
2080 to 2081	37.84'	-
2082 to 2083	43.01'	-
2084 to 2085	13.66'	-
2086 to 2087	30.00'	-
2088 to 2089	13.66'	-
2091 to 2092	102.04'	-
2093 to 2094	13.58'	-
2095 to 2096	66.65'	2018.00'
2099 to 2100	37.65'	2018.00'

Item No. 609.23 Terminal Curb Type 1		
Point	Length	Radius
1048 to 1049	8.00'	-
1051 to 1052	16.34'	10.00'
1053 to 1054	8.00'	-
1061 to 1062	9.20'	-
1063 to 1064	8.29'	11.00'
1064 to 1065	8.29'	11.00'
1066 to 1067	8.00'	-
1069 to 1070	8.00'	-
1071 to 1072	8.00'	-
1072 to 1073	8.00'	-
1074 to 1075	8.00'	-
1077 to 1078	8.00'	-
1079 to 1080	9.20'	-
1083 to 1084	8.00'	-
1085 to 1086	10.90'	-
1089 to 1090	8.01'	1982.00'
1091 to 1092	15.00'	1982.00'
1093 to 1094	8.00'	1982.00'
1095 to 1096	15.00'	1982.00'
1096 to 1097	8.00'	1982.00'
1098 to 1099	4.10'	10.00'
1111 to 1112	4.35'	10.00'
1113 to 1114	10.90'	1982.00'
2070 to 2071	8.00'	-
2072 to 2073	8.00'	-
2096 to 2097	8.00'	2018.00'
2098 to 2099	15.00'	2018.00'

Item No. 609.12 Vertical Curb Type 1 - Circular		
Point	Length	Radius
2075 to 2076	3.14'	4.00'
2077 to 2078	3.14'	4.00'
2083 to 2084	3.14'	4.00'
2085 to 2086	3.14'	4.00'
2087 to 2088	3.14'	4.00'
2089 to 2090	3.14'	4.00'
2092 to 2093	3.17'	4.00'
2094 to 2095	3.14'	4.00'

Item No. 609.12 Vertical Curb Type 1 - Circular - Flush		
Point	Length	Radius
1097 to 1098	11.62'	10.00'
1112 to 1113	11.62'	10.00'

Item No. 609.11 Vertical Curb Type 1 - Flush		
Point	Length	Radius
1052 to 1053	5.00'	-
1062 to 1063	5.00'	-
1065 to 1066	5.00'	-
1094 to 1095	5.00'	1982.00'
2071 to 2072	5.00'	-
2097 to 2098	5.00'	2018.00'



VERANDA STREET
CURVE DATA #3
PI = 113+64.92
D = 2°51'53.2"
Δ = 9°53'01.8" Lt.
R = 2000.00'
L = 345.01'
T = 172.93'
E = 7.46'

Sta. 113+33.64 Veranda Street
= Sta. 5+00.00 Oregon Street

Sta. 108+54.98 Veranda Street
= Sta. 3+00.00 Olympia Street

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	P.E. NUMBER	DATE	PROJECT MANAGER D. EATON	DESIGN-DETAILED LED	CHECKED-REVIEWED RDH	BY LD	DATE 2/20	BRIDGE NO. 5933	WIN 021745.00	BRIDGE PLANS
INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY PORTLAND										NHP-2174(500)	
GEOMETRIC & CURBING PLAN 3										SHEET NUMBER	
26										OF 220	

VERANDA STREET
CURVE DATA #3
PI = 113+64.92
D = 2°51'53.2"
Δ = 9°53'01.8" Lt.
R = 2000.00'
L = 345.01'
T = 172.93'
E = 7.46'

VERANDA STREET
CURVE DATA #4
PI = 120+02.10
D = 1°47'25.8"
Δ = 3°42'20.6" Lt.
R = 3200.00'
L = 206.97'
T = 103.52'
E = 1.67'

Sta. 113+33.64 Veranda Street
= Sta. 5+00.00 Oregon Street

PC = STA. 118+98.58

Veranda Street
Curve #4

Item No. 609.11 Vertical Curb Type 1 Or 609.38 Reset Curb Type 1			
Point	Length	Radius	
1115 to 1116	35.20'	1982.00'	
1119 to 1120	15.10'	1982.00'	
1123 to 1124	13.03'	1982.00'	
1124 to 1125	12.19'	-	
1125 to 1126	48.80'	-	
1127 to 1128	85.48'	-	
1131 to 1132	38.66'	-	
2101 to 2102	66.81'	2018.00'	
2106 to 2105	45.00'	2028.00'	
2111 to 2110	13.31'	2028.00'	
2114 to 2115	80.19'	2018.00'	
2115 to 2116	12.19'	-	
2116 to 2117	48.80'	-	
2118 to 2119	85.48'	-	
2145 to 2146	107.50'	-	
2146 to 2147	206.17'	3187.75'	

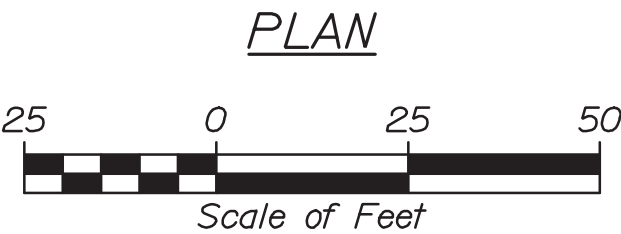
Item No. 609.12 Vertical Curb Type 1 - Circular - Flush		
Point	Length	Radius
2124 to 2125	10.00'	55.00'
2142 to 2143	6.92'	18.00'

Item No. 609.11 Vertical Curb Type 1 - Flush		
Point	Length	Radius
1129 to 1130	5.00'	-
2120 to 2121	5.00'	-

Item No. 609.12 Vertical Curb Type 1 - Circular		
Point	Length	Radius
2122 to 2123	14.22'	55.00'
2126 to 2127	4.17'	55.00'
2140 to 2141	5.39'	18.00'
2144 to 2145	3.00'	18.00'

Item No. 609.23 Terminal Curb Type 1		
Point	Length	Radius
1116 to 1117	8.00'	1982.00'
1118 to 1119	10.90'	1982.00'
1120 to 1121	8.00'	1982.00'
1122 to 1123	10.90'	1982.00'
1128 to 1129	8.00'	-
1130 to 1131	10.90'	-
2102 to 2103	8.00'	2018.00'
2104 to 2105	8.00'	2028.00'
2111 to 2112	10.90'	2028.00'
2113 to 2114	10.90'	2018.00'
2119 to 2120	8.00'	-
2121 to 2122	10.90'	-
2123 to 2124	8.68'	55.00'
2125 to 2126	15.00'	55.00'
2141 to 2142	15.00'	18.00'
2143 to 2144	9.98'	18.00'

NOTE:
1. Unless otherwise noted, sidewalks shall consist of 2" HMA and 12" aggregate subbase course gravel (Type D).



HNTB

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)
WIN
021745.00
BRIDGE NO.5933
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND
GEOMETRIC &
CURBING PLAN 4

SHEET NUMBER
27
OF 220

PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LJD	2/20
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE	P.E. NUMBER	DATE	

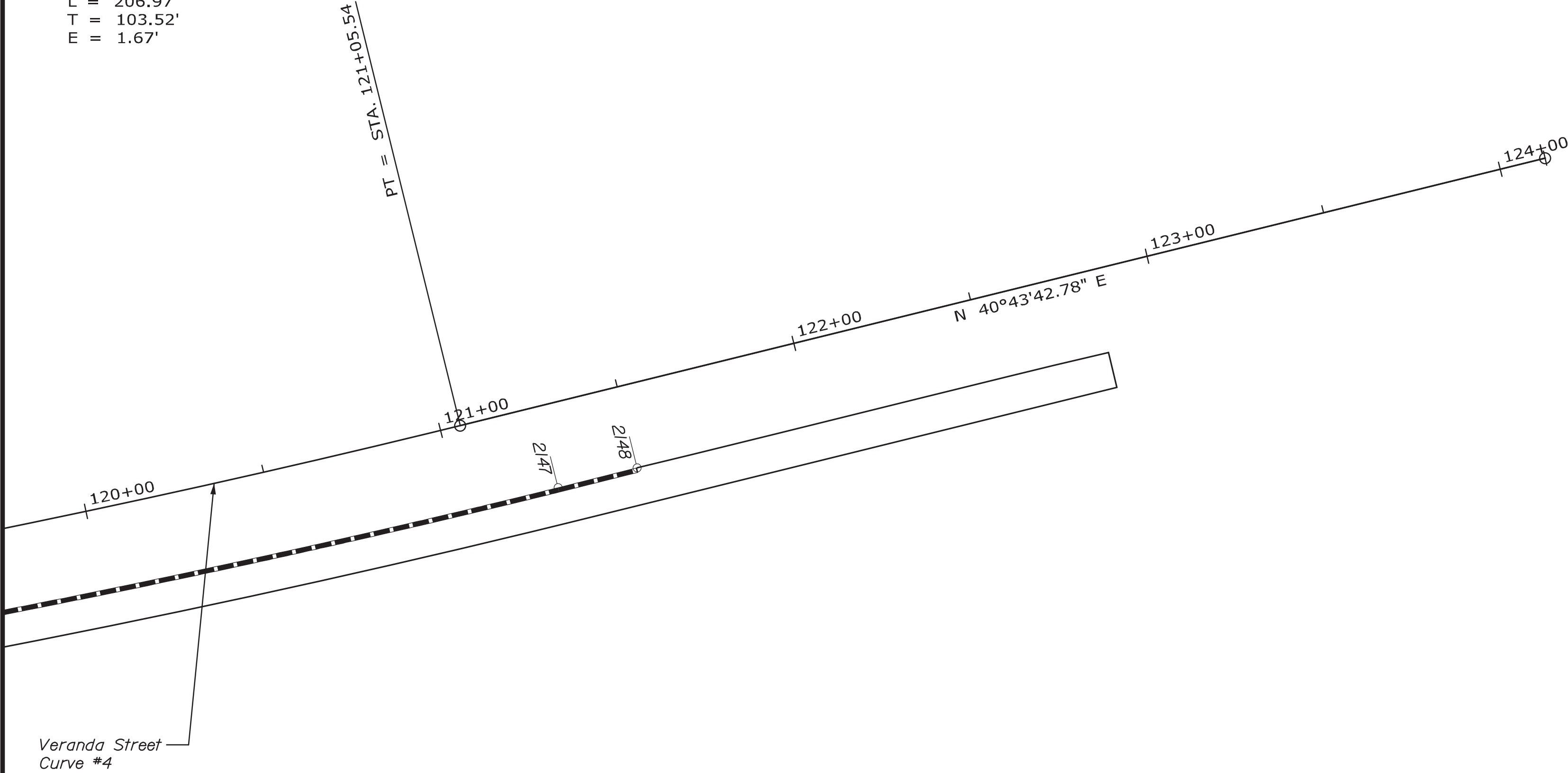
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Username:

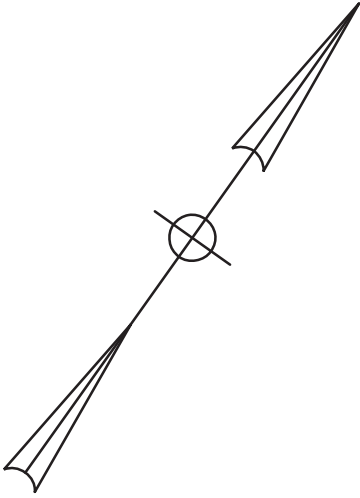
Division:

Filename: 028_Geometric Plan_05.dgn

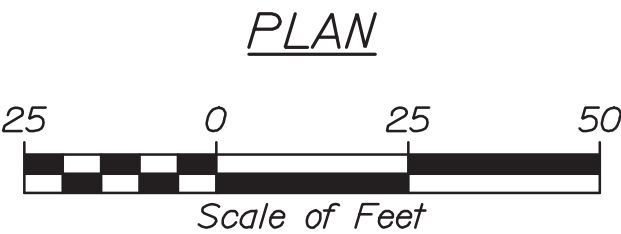
VERANDA STREET
CURVE DATA #4
PI = 120+02.10
D = 1°47'25.8"
Δ = 3°42'20.6" Lt.
R = 3200.00'
L = 206.97'
T = 103.52'
E = 1.67'



Item No. 609.11 Vertical Curb Type 1		
Or 609.38 Reset Curb Type 1		
Point	Length	Radius
2147 to 2148	22.39'	-



NOTE:
1. Unless otherwise noted, sidewalks shall consist of 2" HMA and 12" aggregate subbase course gravel (Type D).



STATE OF MAINE					BRIDGE NO.5933	WIN	021745.00	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION								
NHPP-2174(500)								
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY								
GEOMETRIC & CURBING PLAN 5								
PROJ. MANAGER					D. EATON		BY	DATE
DESIGN-DETAILED					EDD		ODH	2/20
CHECKED-REVIEWED					RWH		LZO	2/20
DESIGN2-DETAILED2								SIGNATURE
DESIGN3-DETAILED3								
REVISIONS 1								P.E. NUMBER
REVISIONS 2								
REVISIONS 3								
REVISIONS 4								DATE
FIELD CHANGES								
SHEET NUMBER								
28								
OF 220								

CONTROL POINTS FOR CURBING – VERANDA ST.				
POINT	STATION	OFFSET	X-COORD	Y-COORD
1000	100+88.04	22.26’ LT.	1016485.180	310456.954
1001	100+95.04	22.26’ LT.	1016489.188	310462.693
1002	101+17.13	18.00’ LT.	1016505.322	310478.368
1003	101+25.13	18.00’ LT.	1016509.901	310484.928
1004	101+48.52	18.00’ LT.	1016523.292	310504.109
1005	101+52.52	18.00’ LT.	1016525.581	310507.389
1006	101+60.52	18.00’ LT.	1016530.161	310513.949
1007	101+70.15	25.29’ LT.	1016529.696	310526.011
1008	101+72.28	33.00’ LT.	1016524.593	310532.176
1009	101+74.80	42.09’ LT.	1016518.580	310539.442
1010	101+75.86	45.94’ LT.	1016516.034	310542.518
1011	101+81.77	67.29’ LT.	1016501.906	310559.588
1020	102+12.67	68.23’ LT.	1016518.826	310585.460
1021	102+03.83	36.19’ LT.	1016540.040	310559.871
1022	102+02.77	32.33’ LT.	1016542.592	310556.792
1023	102+02.72	24.00’ LT.	1016549.397	310551.986
1024	102+11.83	18.00’ LT.	1016559.529	310556.019
1025	102+19.83	18.00’ LT.	1016564.109	310562.578
1026	102+27.83	18.00’ LT.	1016568.688	310569.138
1027	102+32.83	18.00’ LT.	1016571.550	310573.238
1028	102+40.83	18.00’ LT.	1016576.129	310579.797
1029	102+82.27	18.00’ LT.	1016599.849	310613.776
1030	103+29.36	18.00’ LT.	1016630.118	310652.389
1031	103+33.19	18.00’ LT.	1016632.755	310655.385
1032	103+42.03	18.00’ LT.	1016638.971	310662.179
1033	103+61.21	18.00’ LT.	1016652.931	310676.499
1034	103+63.36	18.00’ LT.	1016654.533	310678.063
1035	103+69.12	18.00’ LT.	1016658.667	310682.076
1036	105+11.14	18.60’ LT.	1016761.176	310781.584
1037	105+15.00	18.80’ LT.	1016764.046	310784.370
1038	105+23.83	19.35’ LT.	1016770.613	310790.745
1039	105+58.56	19.79’ LT.	1016798.526	310813.412
1040	106+09.00	18.23’ LT.	1016840.617	310841.812
1041	106+17.00	18.00’ LT.	1016847.248	310846.287
1042	106+65.00	18.00’ LT.	1016886.237	310874.285
1043	106+73.00	18.00’ LT.	1016892.735	310878.951
1044	106+83.00	18.00’ LT.	1016900.858	310884.784
1045	106+87.00	18.00’ LT.	1016904.107	310887.117
1046	107+15.00	18.00’ LT.	1016926.850	310903.449
1047	107+23.00	18.00’ LT.	1016933.348	310908.115
1048	107+43.00	18.00’ LT.	1016949.594	310919.781
1049	107+51.00	18.00’ LT.	1016956.092	310924.447
1050	108+24.67	18.00’ LT.	1017015.935	310967.420
1051	108+26.55	18.00’ LT.	1017017.462	310968.517
1052	108+36.54	28.63’ LT.	1017019.372	310982.976
1053	108+36.22	33.62’ LT.	1017016.205	310986.845
1054	108+35.72	41.60’ LT.	1017011.138	310993.036
1055	108+35.25	48.95’ LT.	1017006.474	310998.735
1060	108+65.03	50.84’ LT.	1017029.565	311017.634
1061	108+65.72	42.48’ LT.	1017035.001	311011.246
1062	108+66.30	33.30’ LT.	1017040.828	311004.127
1063	108+66.62	28.31’ LT.	1017043.995	311000.258
1064	108+70.07	20.98’ LT.	1017051.070	310996.319
1065	108+77.60	18.00’ LT.	1017058.923	310998.290
1066	108+82.60	18.00’ LT.	1017062.985	311001.206
1067	108+90.60	18.00’ LT.	1017069.483	311005.873
1068	108+92.48	18.00’ LT.	1017071.012	311006.970
1069	108+99.78	18.00’ LT.	1017076.942	311011.229
1070	109+07.78	18.00’ LT.	1017083.441	311015.895
1071	109+28.78	18.00’ LT.	1017100.498	311028.144
1072	109+36.78	18.00’ LT.	1017106.996	311032.811
1073	109+44.78	18.00’ LT.	1017113.494	311037.477
1074	109+64.78	18.00’ LT.	1017129.740	311049.143
1075	109+72.78	18.00’ LT.	1017136.238	311053.809
1076	109+76.78	18.00’ LT.	1017139.487	311056.142
1077	109+81.00	18.00’ LT.	1017142.914	311058.603
1078	109+89.00	18.00’ LT.	1017149.412	311063.269
1079	110+09.00	18.00’ LT.	1017165.657	311074.935
1080	110+18.20	18.00’ LT.	1017173.130	311080.301
1081	110+22.20	18.00’ LT.	1017176.379	311082.634
1082	110+70.00	18.00’ LT.	1017215.206	311110.515
1083	110+74.00	18.00’ LT.	1017218.455	311112.848
1084	110+82.00	18.00’ LT.	1017224.953	311117.514
1085	111+02.00	18.00’ LT.	1017241.198	311129.180
1086	111+48.00	18.00’ LT.	1017278.562	311156.011
1087	111+12.90	18.00’ LT.	1017250.052	311135.538
1088	111+52.00	18.00’ LT.	1017281.811	311158.344
1089	111+91.99	18.00’ LT.	1017314.291	311181.668
1090	112+00.07	18.00’ LT.	1017320.791	311186.355
1091	112+28.40	18.00’ LT.	1017343.413	311202.985
1092	112+43.54	18.00’ LT.	1017355.402	311212.000
1093	112+72.33	18.00’ LT.	1017378.011	311229.393
1094	112+80.40	18.00’ LT.	1017384.307	311234.239
1095	112+85.44	18.00’ LT.	1017388.231	311237.427
1096	113+00.58	18.00’ LT.	1017399.958	311246.781
1097	113+08.65	18.00’ LT.	1017406.183	311251.805
1098	113+17.94	24.00’ LT.	1017409.519	311262.260
1099	113+18.79	27.98’ LT.	1017407.651	311265.876
1100	113+18.98	50.14’ LT.	1017393.751	311283.130

CONTROL POINTS FOR CURBING – VERANDA ST.				
POINT	STATION	OFFSET	X-COORD	Y-COORD
1110	113+49.74	49.74’ LT.	1017417.068	311302.008
1111	113+49.23	28.23’ LT.	1017430.560	311285.257
1112	113+50.08	24.00’ LT.	1017433.936	311282.567
1113	113+59.37	18.00’ LT.	1017444.823	311283.942
1114	113+70.37	18.00’ LT.	1017453.095	311291.041
1115	113+74.40	18.00’ LT.	1017456.121	311293.657
1116	114+09.93	18.00’ LT.	1017482.520	311316.945
1117	114+18.00	18.00’ LT.	1017488.462	311322.302
1118	114+58.36	18.00’ LT.	1017517.841	311349.446
1119	114+69.36	18.00’ LT.	1017525.752	311356.945
1120	114+84.60	18.00’ LT.	1017536.642	311367.405
1121	114+92.67	18.00’ LT.	1017542.379	311372.981
1122	115+12.85	18.00’ LT.	1017556.623	311387.020
1123	115+23.85	18.00’ LT.	1017564.326	311394.732
1124	115+37.00	18.00’ LT.	1017573.477	311404.004
1125	115+49.19	18.00’ LT.	1017582.013	311412.710
1126	115+97.98	19.07’ LT.	1017615.405	311448.301
1127	116+01.98	19.16’ LT.	1017618.142	311451.218
1128	116+87.44	21.04’ LT.	1017676.629	311513.558
1129	116+95.44	21.22’ LT.	1017682.103	311519.392
1130	117+00.44	21.32’ LT.	1017685.531	311523.032
1131	117+11.34	21.32’ LT.	1017693.161	311530.817
1132	117+50.00	21.32’ LT.	1017720.223	311558.426
2000	100+57.02	22.00’ RT.	1016503.715	310406.187
2001	100+65.02	22.00’ RT.	1016508.294	310412.747
2002	101+06.87	22.00’ RT.	1016532.250	310447.062
2003	101+13.29	22.84’ RT.	1016536.613	310451.847
2004	101+17.06	24.17’ RT.	1016539.861	310454.174
2005	101+20.97	26.35’ RT.	1016543.887	310456.129
2006	101+27.90	33.47’ RT.	1016553.690	310457.734
2007	101+30.60	39.09’ RT.	1016559.843	310456.731
2008	101+32.69	46.81’ RT.	1016567.369	310454.026
2009	101+34.26	57.28’ RT.	1016576.851	310449.320
2010	101+34.49	61.28’ RT.	1016580.263	310447.220
2011	101+20.37	109.32’ RT.	1016611.576	310408.146
2012	101+02.50	130.57’ RT.	1016618.768	310381.328
2013	100+77.26	143.20’ RT.	1016614.679	310353.406
2014	100+73.68	144.97’ RT.	1016614.079	310349.451
2020	101+41.15	126.74’ RT.	1016637.755	310415.211
2021	101+43.42	123.44’ RT.	1016636.351	310418.961
2022	101+66.94	72.53’ RT.	1016608.069	310467.391
2023	101+73.97	47.12’ RT.	1016591.259	310487.701
2024	101+76.11	39.41’ RT.	1016586.158	310493.864
2025	101+77.95	33.60’ RT.	1016582.446	310498.706
2026	101+84.59	24.52’ RT.	1016578.807	310509.346
2027	101+95.96	18.94’ RT.	1016580.741	310521.861
2028	101+99.93	18.47’ RT.	1016582.619	310525.388
2029	102+19.57	18.00’ RT.	1016593.477	310541.756
2030	102+27.57	18.00’ RT.	1016598.056	310548.316
2031	102+32.57	18.00’ RT.	1016600.918	310552.415
2032	102+40.57	18.00’ RT.	1016605.498	310558.975
2033	102+82.27	18.00’ RT.	1016629.368	310593.169
2034	103+63.36	18.00’ RT.	1016679.608	310652.232
2035	103+69.00	18.00’ RT.	1016683.655	310656.160
2036	103+73.00	18.00’ RT.	1016686.525	310658.946
2037	104+86.98	18.00’ RT.	1016768.287	310738.315
2038	105+05.75	21.93’ RT.	1016784.183	310747.788
2039	105+09.45	23.77’ RT.	1016788.057	310748.786
2040	105+19.94	31.74’ RT.	1016800.796	310749.343
2041	105+26.19	39.82’ RT.	1016810.480	310746.958
2042	105+29.04	45.53’ RT.	1016816.155	310744.251
2043	105+31.46	54.44’ RT.	1016823.525	310738.777
2044	105+31.82	58.43’ RT.	1016826.300	310735.898
2045	105+31.51	64.41’ RT.	1016829.884	310731.105
2046	105+28.47	80.51’ RT.	1016838.100	310717.010
2047	105+27.69	84.45’ RT.	1016840.114	310713.554
2050	104+44.44	265.69’ RT.	1016910.305	310530.978
2051	104+46.88	262.52’ RT.	1016909.850	310534.953
2052	104+56.68	249.81’ RT.	1016908.023	310550.901
2053	105+16.22	194.10’ RT.	1016904.642	310624.504
2054	105+38.28	169.21’ RT.	1016900.042	310653.070
2055	105+40.82	165.63’ RT.	1016899.188	310656.975
2056	105+71.48	70.36’ RT.	1016861.813	310747.962
2057	105+73.92	58.99’ RT.	1016857.163	310758.619
2058	105+75.50	55.32’ RT.	1016856.308	310762.525
2059	105+79.73	48.54’ RT.	1016855.785	310770.495

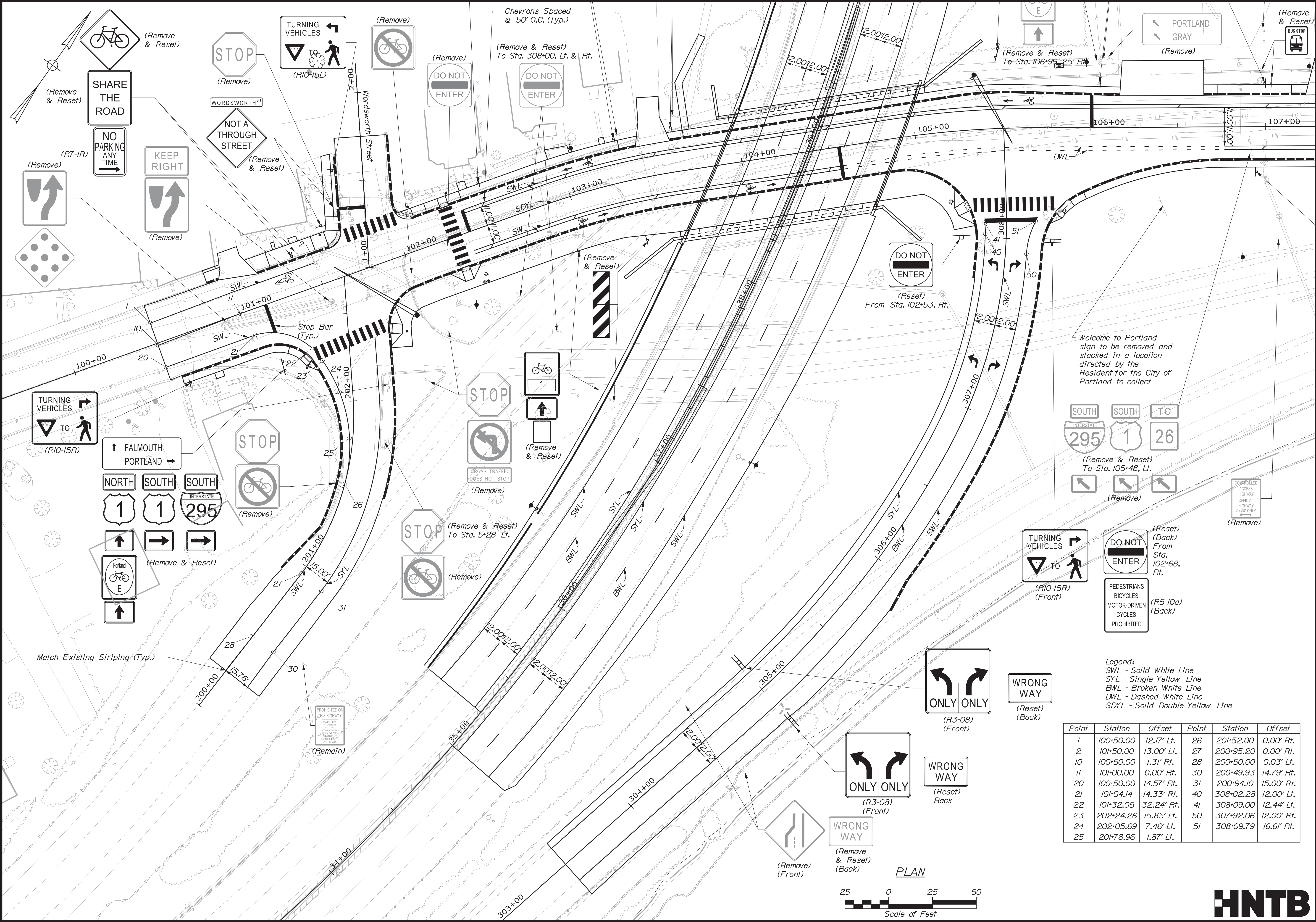
CONTROL POINTS FOR CURBING – VERANDA ST.				
POINT	STATION	OFFSET	X-COORD	Y-COORD
2060	105+87.90	40.61’ RT.	1016857.794	310781.706
2061	105+93.97	36.97’ RT.	1016860.606	310788.199
2062	105+95.70	36.15’ RT.	1016861.528	310789.877
2063	106+05.69	31.78’ RT.	1016867.097	31079

Date: 3/3/2020

Username:

Division:

Filename: 030_Signing and Striping Plan_01.dgn



Point	Station	Offset	Point	Station	Offset
1	100+50.00	12.17' Lt.	26	201+52.00	0.00' Rt.
2	101+50.00	13.00' Lt.	27	200+95.20	0.00' Rt.
10	100+50.00	1.31' Rt.	28	200+50.00	0.03' Lt.
11	101+00.00	0.00' Rt.	30	200+49.93	14.79' Rt.
20	100+50.00	14.57' Rt.	31	200+94.10	15.00' Rt.
21	101+04.14	14.33' Rt.	40	308+02.28	12.00' Lt.
22	101+32.05	32.24' Rt.	41	308+09.00	12.44' Lt.
23	202+24.26	15.85' Lt.	50	307+92.06	12.00' Rt.
24	202+05.69	7.46' Lt.	51	308+09.79	16.61' Rt.
25	201+78.96	1.87' Lt.			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO. 5933
WIN 021745.00
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND

SIGNING & STRIPING PLAN 1

DATE: 2/20
BY: CCH
DESIGNED: LDD
CHECKED: RWH
DESIGNED: RWH
REVISIONS: 1
REVISIONS: 2
REVISIONS: 3
REVISIONS: 4
FIELD CHANGES

DATE: 2/20
SIGNATURE: _____
P.E. NUMBER: _____
DATE: _____

SHEET NUMBER
30
OF 220

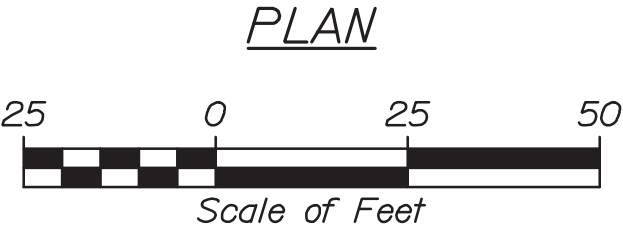
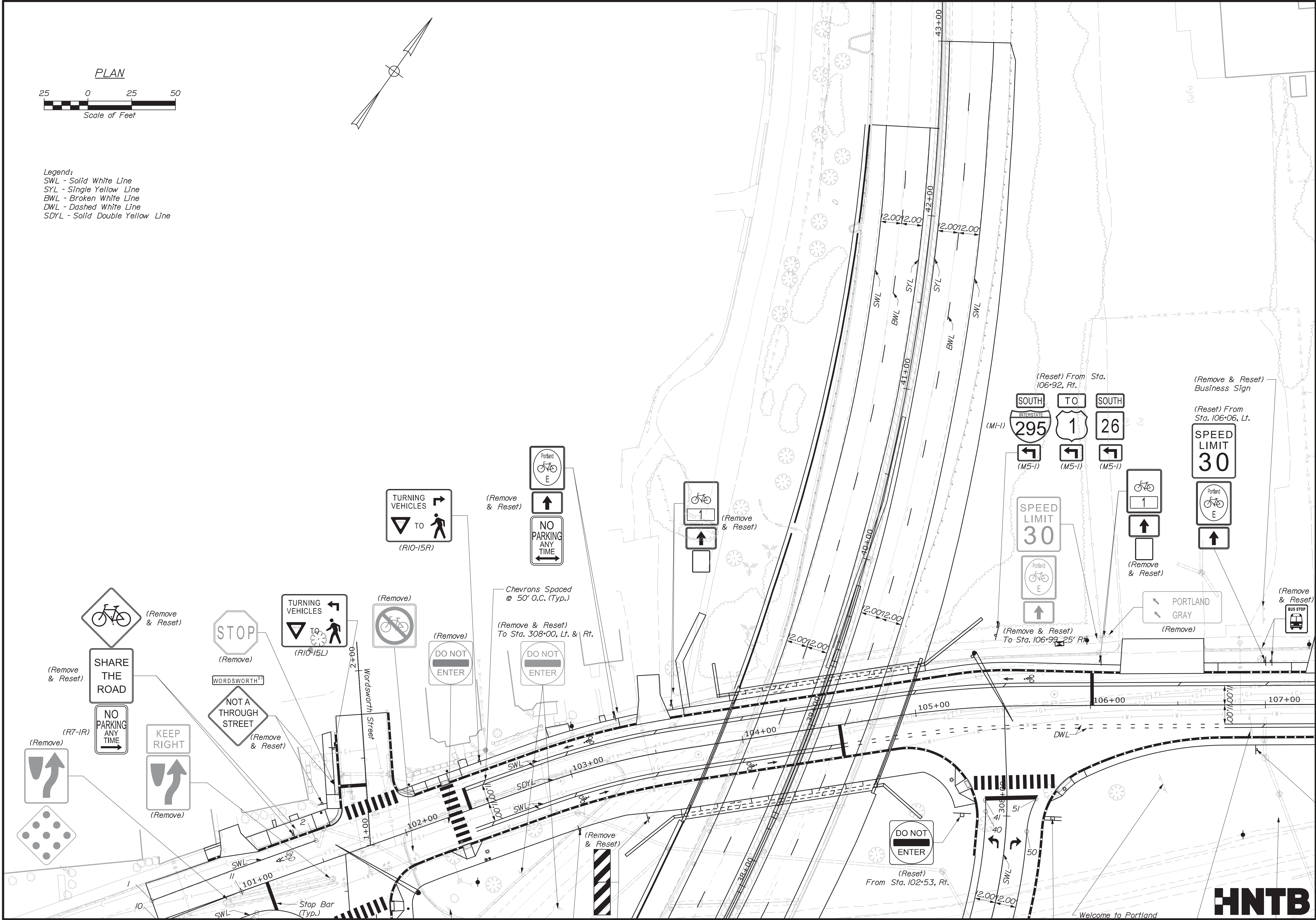
HNTB

Date:3/3/2020

Username:

Division:

Filename: 031_Signing and Striping Plan_02.dgn



Legend:
SWL - Solid White Line
SYL - Single Yellow Line
BWL - Broken White Line
DWL - Dashed White Line
SDYL - Solid Double Yellow Line

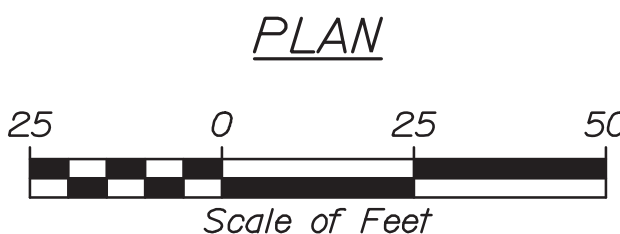
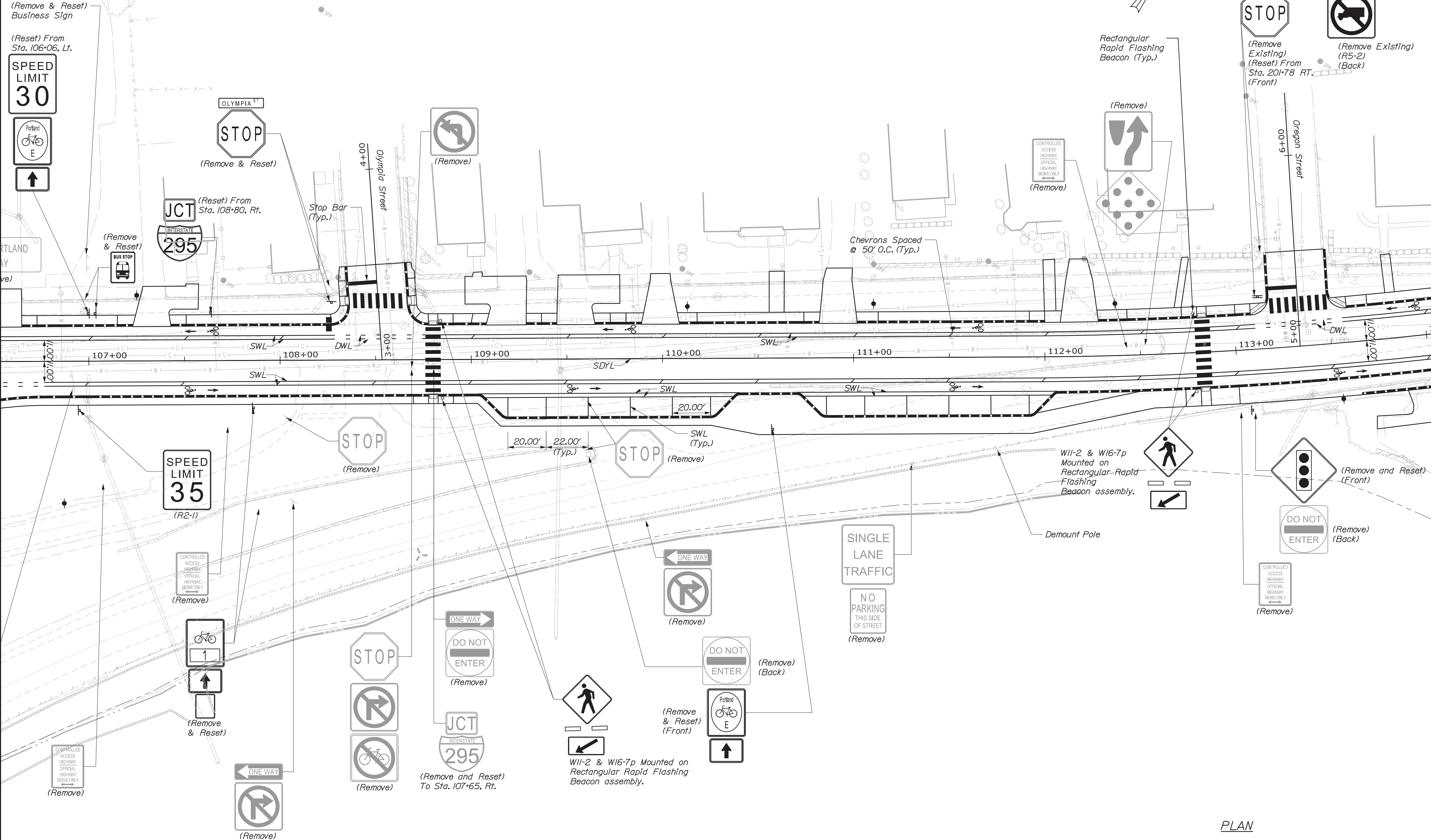
STATE OF MAINE				DEPARTMENT OF TRANSPORTATION			
NHP-2174(500)				SIGNATURE			
WIN				P.E. NUMBER			
021745.00				DATE			
BRIDGE NO. 5933				FIELD CHANGES			
PROJECT MANAGER				DESIGN-DETAILED			
BY				CHECKED-REVIEWED			
DATE				DESIGN-DETAILED			
2/20				REVISIONS 1			
2/20				REVISIONS 2			
2/20				REVISIONS 3			
2/20				REVISIONS 4			
INTERSTATE 295 OVER VERANDA STREET				SHEET NUMBER			
PORTLAND CUMBERLAND COUNTY				31			
SIGNING & STRIPING PLAN 2				OF 220			

Date: 3/3/2020

Username:

Filename: 032_Signing and Striping Plan_03.dgn Division:

Legend:
SWL - Solid White Line
SYL - Single Yellow Line
BWL - Broken White Line
DWL - Dashed White Line
SDYL - Solid Double Yellow Line

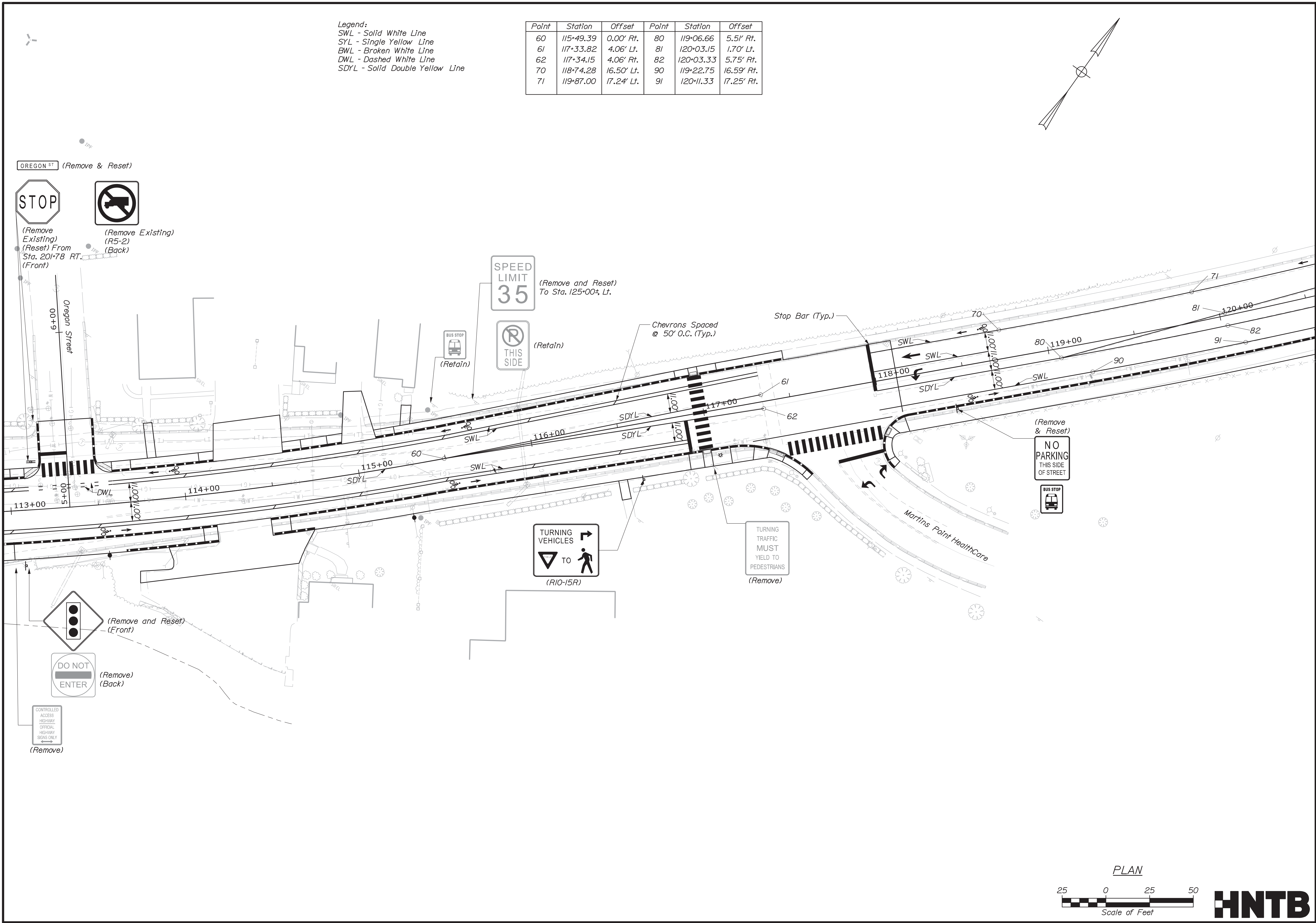


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY PORTLAND		SIGNING & STRIPING PLAN 3		SHEET NUMBER 32 OF 220		DATE 2/20		SIGNATURE P.E. NUMBER	
PROJECT MANAGER D. EATON		DESIGN-DETAILED LED		CHECKED-REVIEWED RW		DESIGN-DETAILED LED		REVISIONS 1 2 3 4 FIELD CHANGES	

Date: 3/3/2020

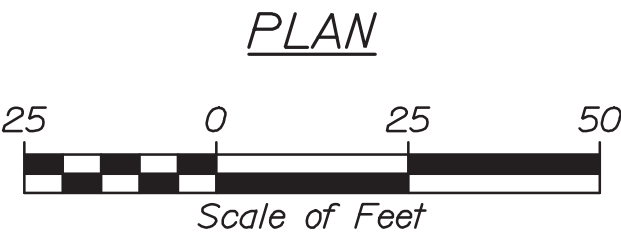
Username:

Filename: 033_Signing and Striping Plan_04.dgn Division:

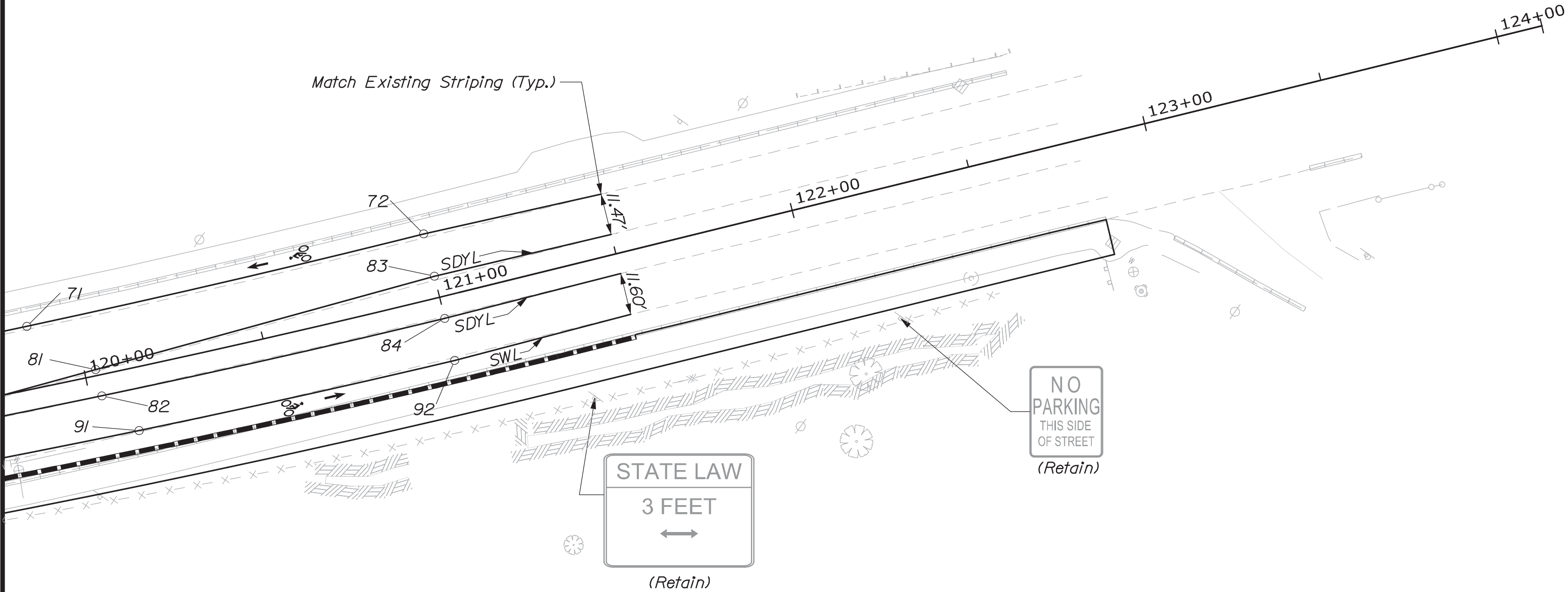


Legend:
SWL - Solid White Line
SYL - Single Yellow Line
BWL - Broken White Line
DWL - Dashed White Line
SDYL - Solid Double Yellow Line

Point	Station	Offset	Point	Station	Offset
60	115+49.39	0.00' Rt.	80	119+06.66	5.51' Rt.
61	117+33.82	4.06' Lt.	81	120+03.15	1.70' Lt.
62	117+34.15	4.06' Rt.	82	120+03.33	5.75' Rt.
70	118+74.28	16.50' Lt.	90	119+22.75	16.59' Rt.
71	119+87.00	17.24' Lt.	91	120+11.33	17.25' Rt.

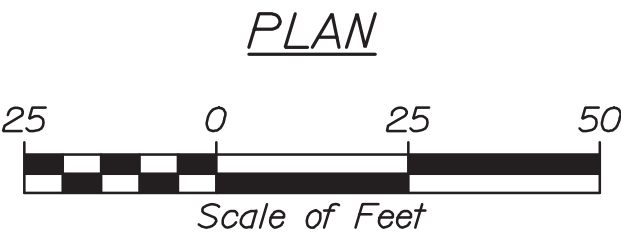
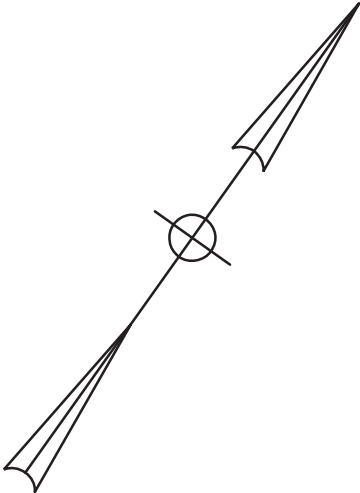
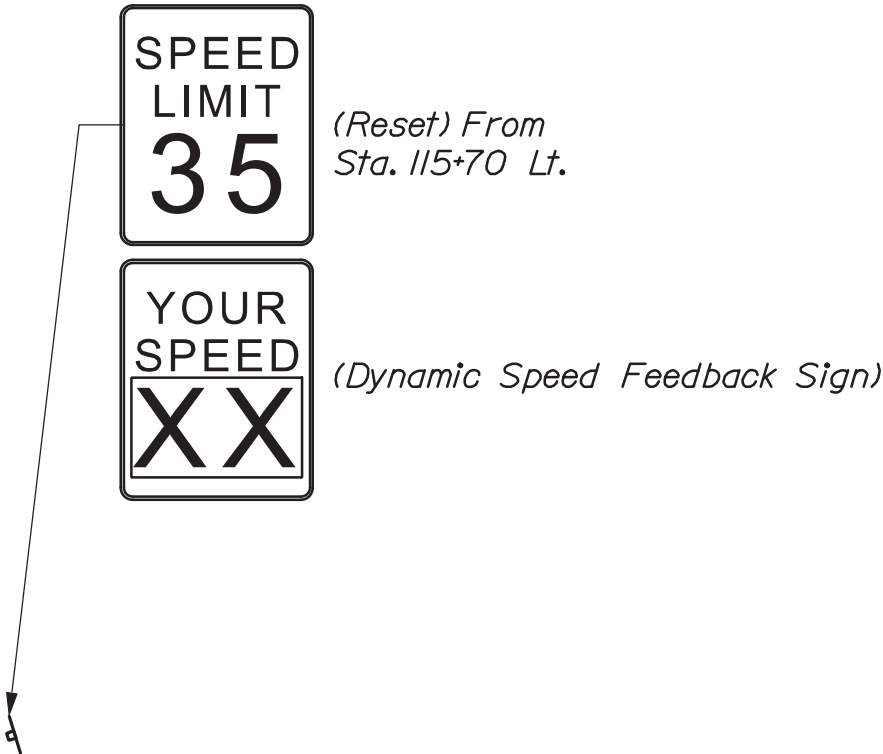


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY		SIGNING & STRIPING PLAN 4		SHEET NUMBER		33		OF 220	
PROJ. MANAGER	DESIGN-DETAILED	EDD	CDH	LZD	DATE	2/20	2/20	SIGNATURE	P.E. NUMBER
CHECKED-REVIEWED	RWH								
DESIGN-DETAILED									
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
REVISIONS 4									
FIELD CHANGES									



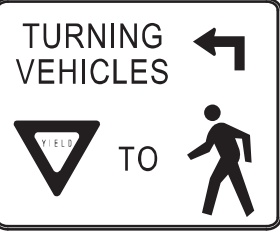
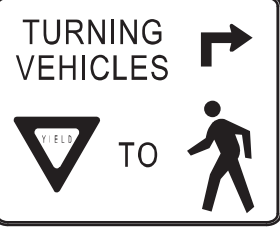
Legend:
SWL - Solid White Line
SYL - Single Yellow Line
BWL - Broken White Line
DWL - Dashed White Line
SDYL - Solid Double Yellow Line

Point	Station	Offset
72	120+99.90	18.04' Lt.
83	121+00.00	6.00 Lt.
84	121+00.00	5.98' Rt.
92	120+99.90	17.88' Rt.



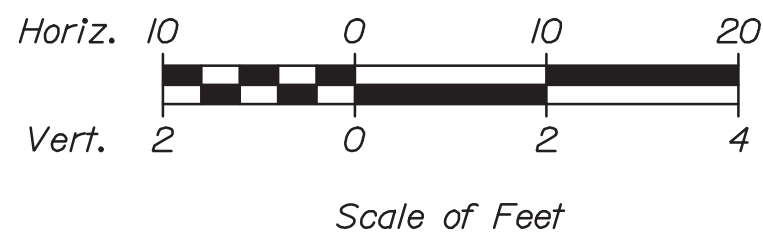
STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)			SIGNATURE	P.E. NUMBER	DATE	BRIDGE NO.5933	WIN 021745.00	BRIDGE PLANS
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		SHEET NUMBER		34				
SIGNING & STRIPING PLAN 5		OF 220						

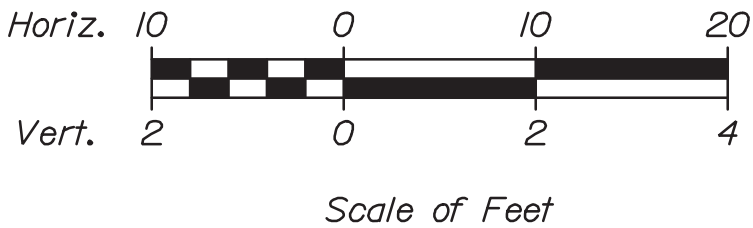
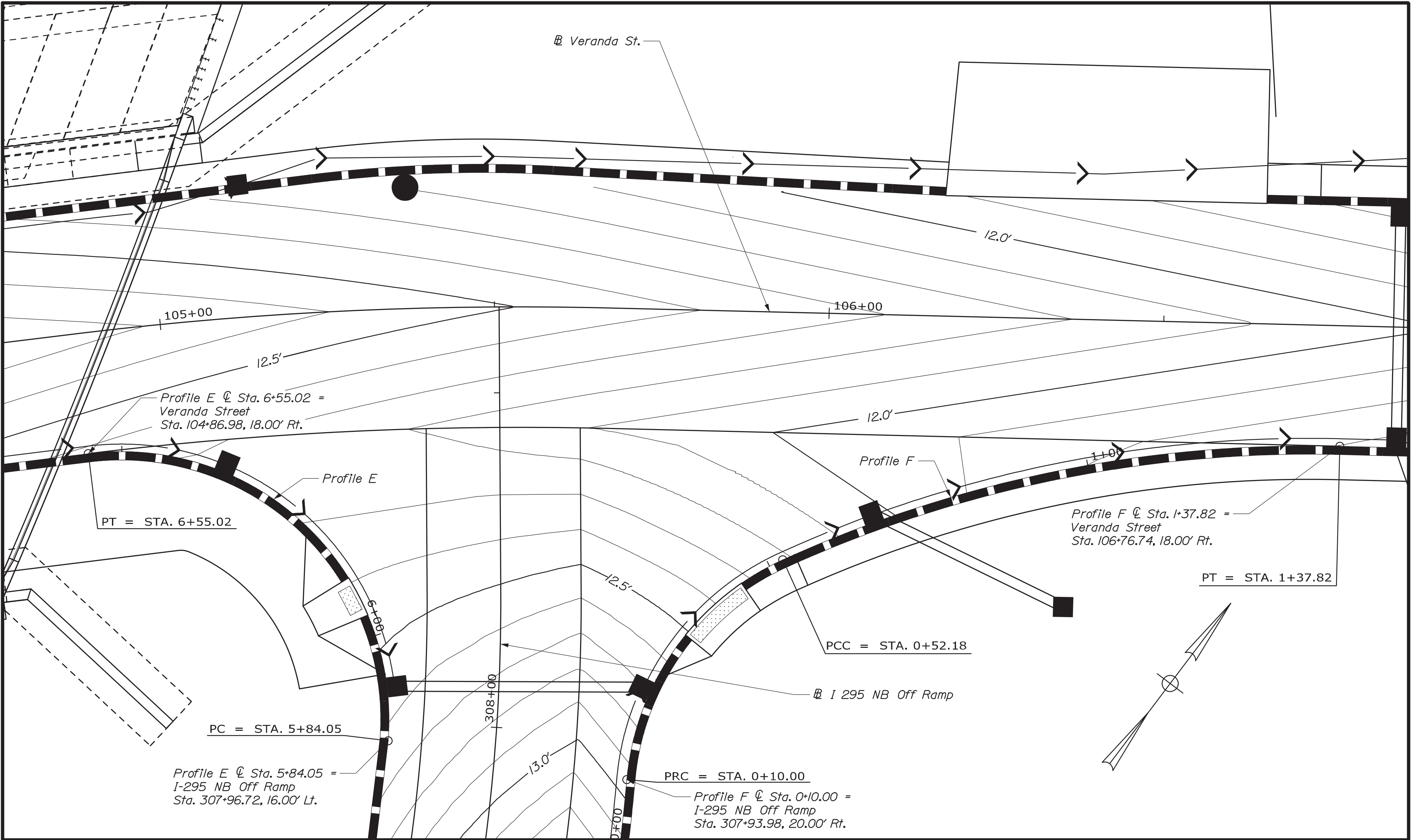
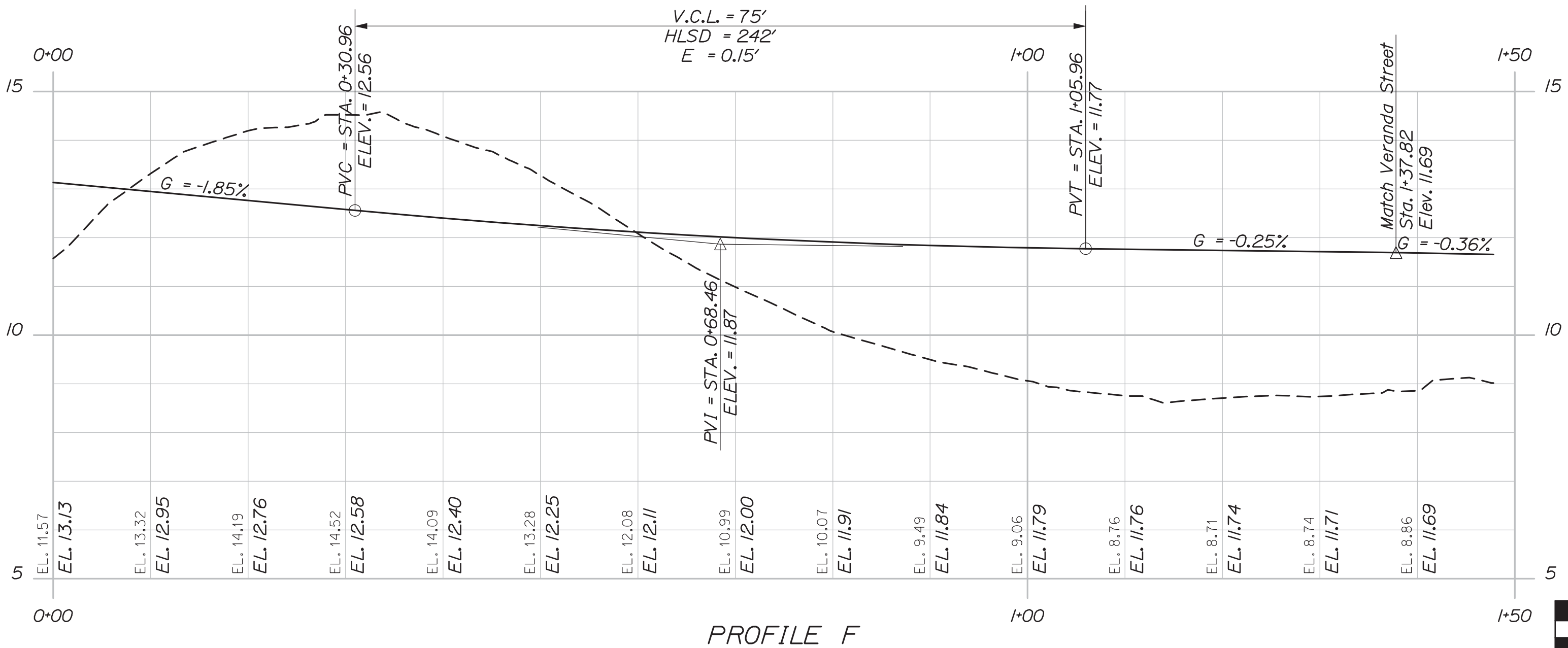
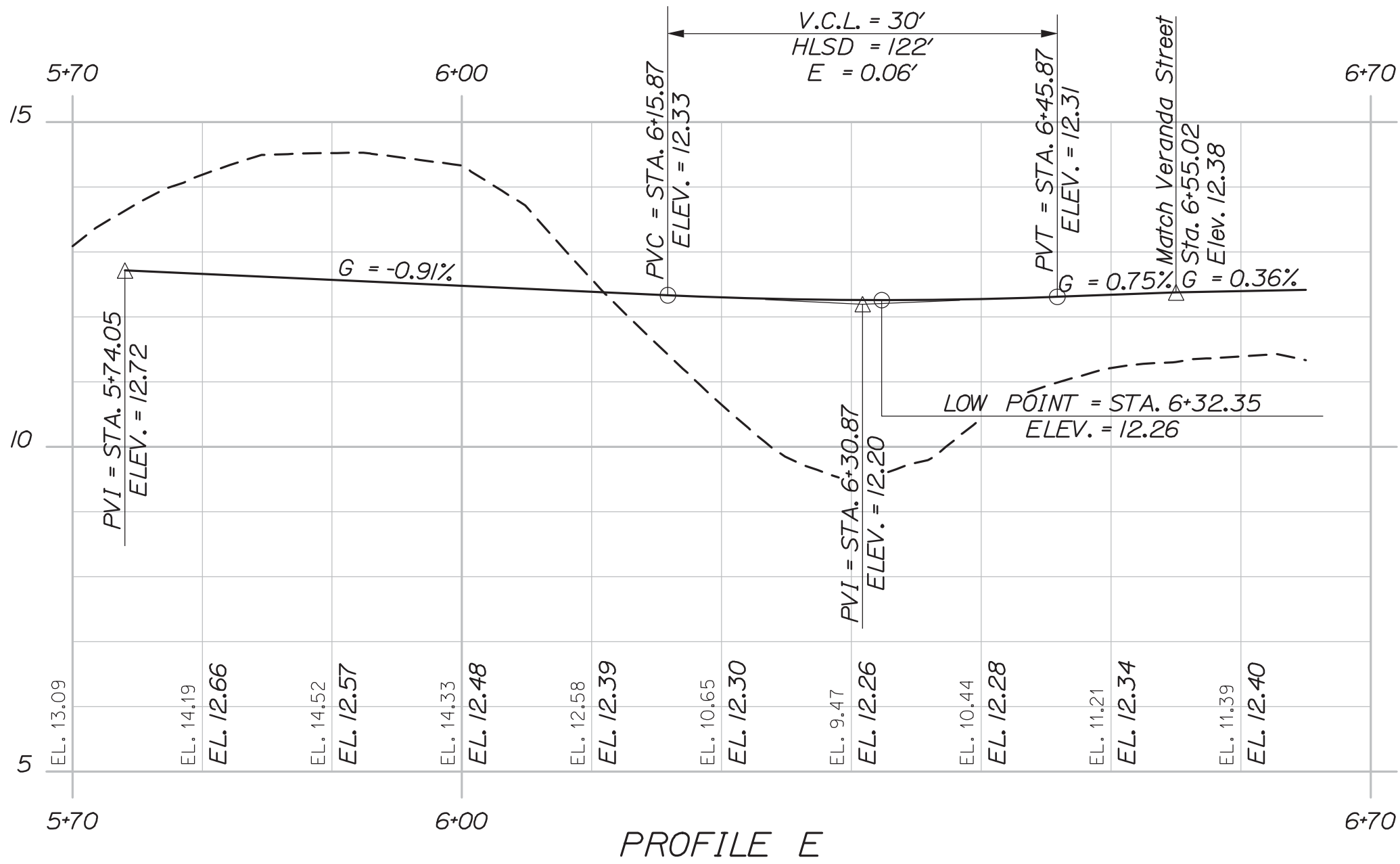
PROPOSED SIGN SUMMARY

ITEM NUMBER	IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET	POST
		WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
645.292	R2-I	24"	30"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			1	COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"		5.00 (5.00)	METAL POST
645.292	R3-8	30"	30"					2			6.25 (12.50)	WOOD POST
645.292	R5-2	24"	24"					1			4.00 (4.00)	METAL POST
645.292	R5-10a	30"	36"					1			7.50 (7.50)	WOOD POST
645.292	R7-1R	12"	18"					1			1.50 (1.50)	METAL POST
645.292	R10-3eL	9"	15"					6			0.94 (6.56)	MOUNT ABOVE APS PUSH BUTTON
645.292	R10-3eR	9"	15"					6			0.94 (6.56)	MOUNT ABOVE APS PUSH BUTTON
645.292	R10-15L	30"	30"					1			6.25 (6.25)	METAL POST
645.292	R10-15R	30"	30"					4			6.25 (25.00)	WOOD POST
645.292	MI-1	30"	24"					1			5.00 (5.00)	WOOD POST
645.292	M5-1	21"	15"					3			2.19 (6.56)	WOOD POST
643.62	W11-2	30"	30"					4			6.25 (25.00)	RRFB ASSEMBLY
643.62	W16-7p	24"	12"					4			2.00 (8.00)	RRFB ASSEMBLY
643.77	-	24"	30"					1			5.00 (5.00)	WOOD POST



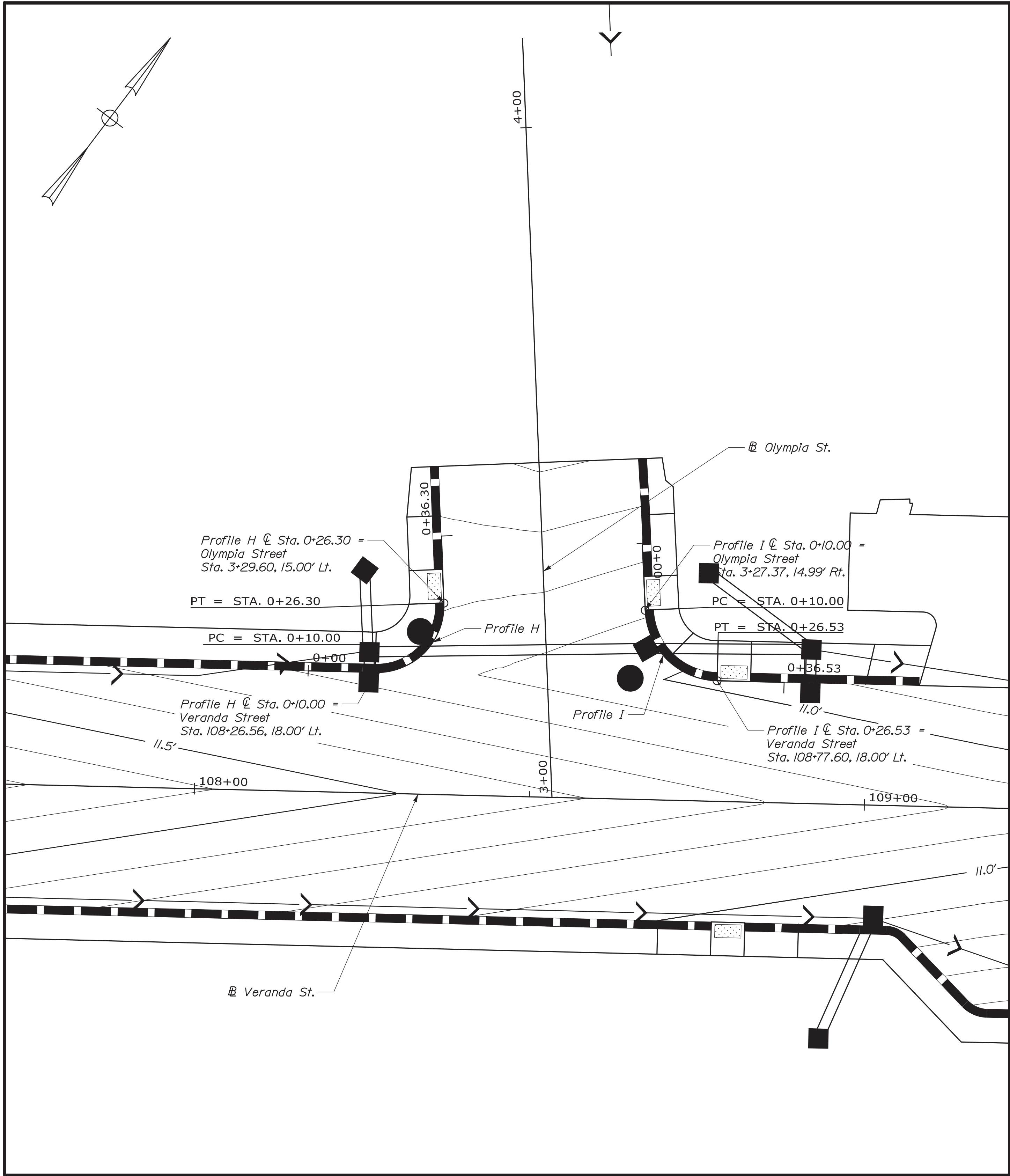
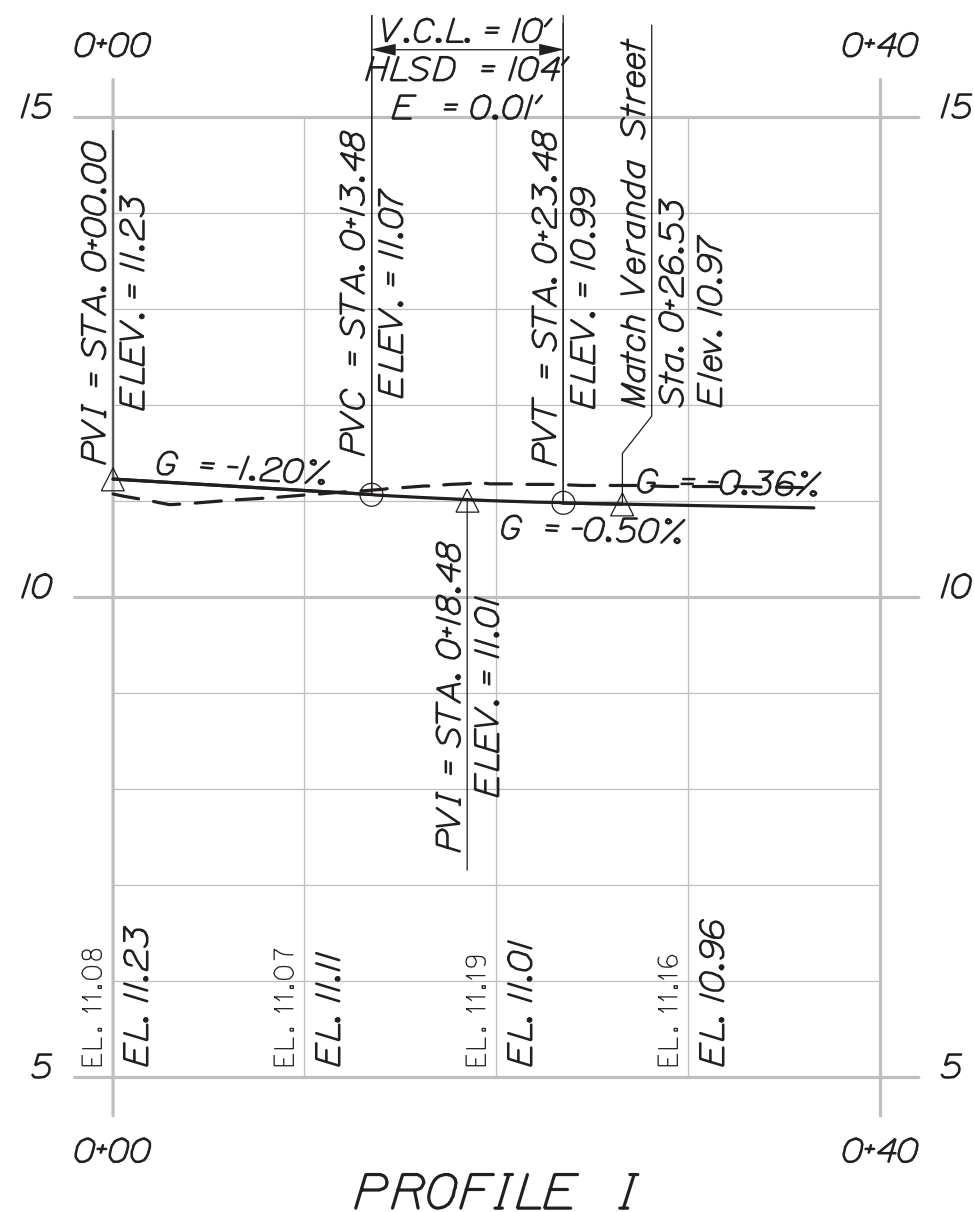
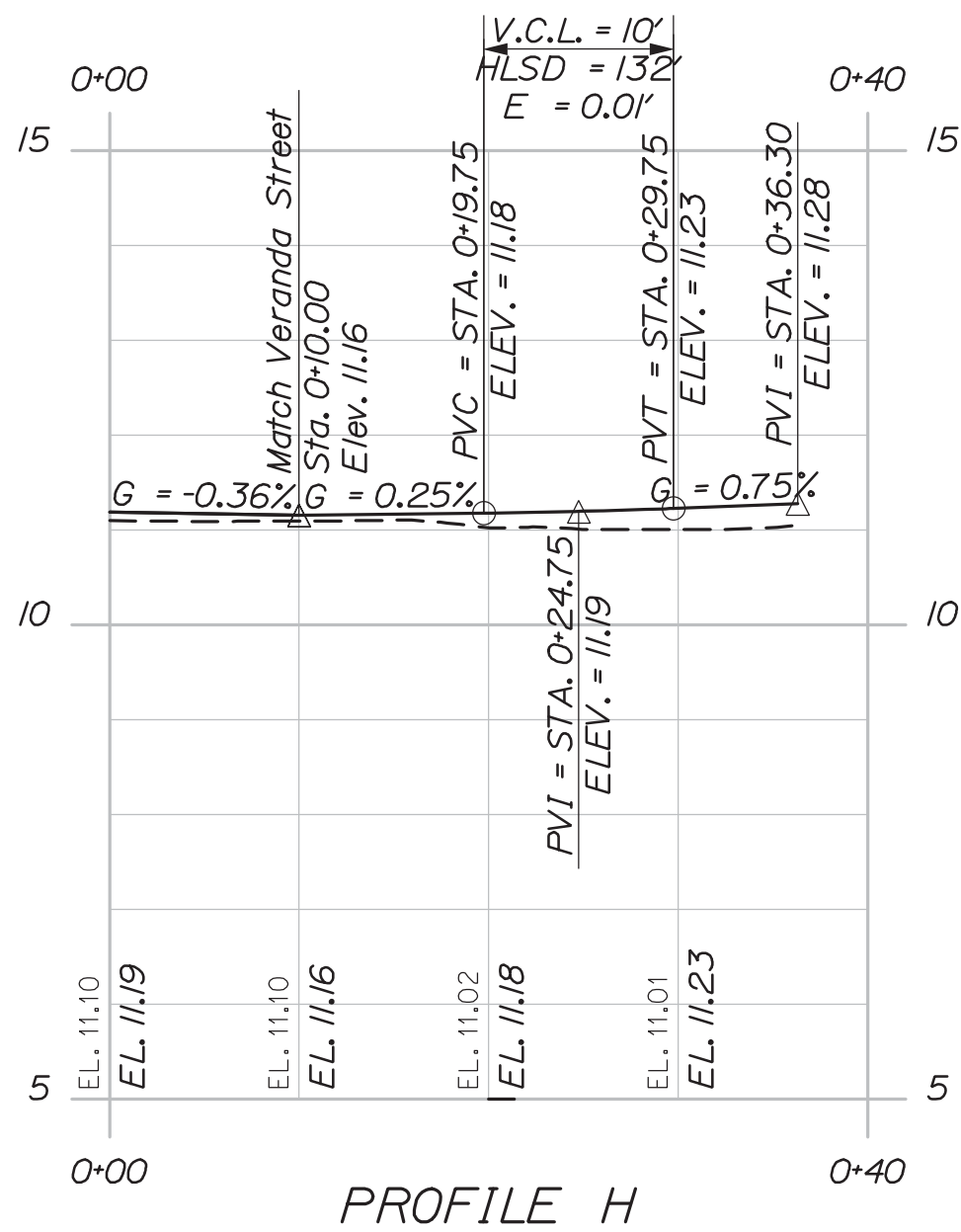
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO.5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		SIGN SUMMARY		SHEET NUMBER			
						35 OF 220			





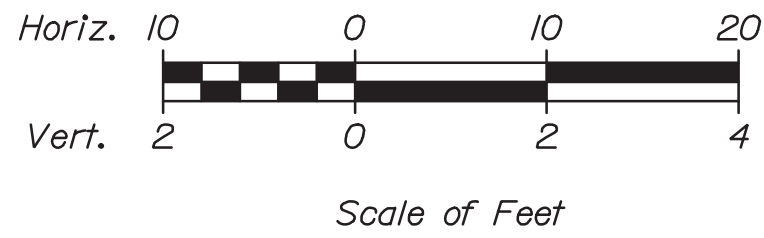
INTERSECTION OF I 295 NB OFF RAMP/
VERANDA STREET

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
NHP-2174(500)		SIGNATURE	
WIN		P.E. NUMBER	
021745.00		DATE	
BRIDGE NO.5933		FIELD CHANGES	
PROJECT MANAGER		DESIGNED	
CHECKED		DESIGNED	
REVIEWED		REVISIONS 1	
REVISIONS 2		REVISIONS 3	
REVISIONS 4		DATE	
INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY		SHEET NUMBER	
PORTLAND		37	
INTERSECTION GRADING PLAN		OF 220	
I-295 NB OFF RAMP		HNTB	

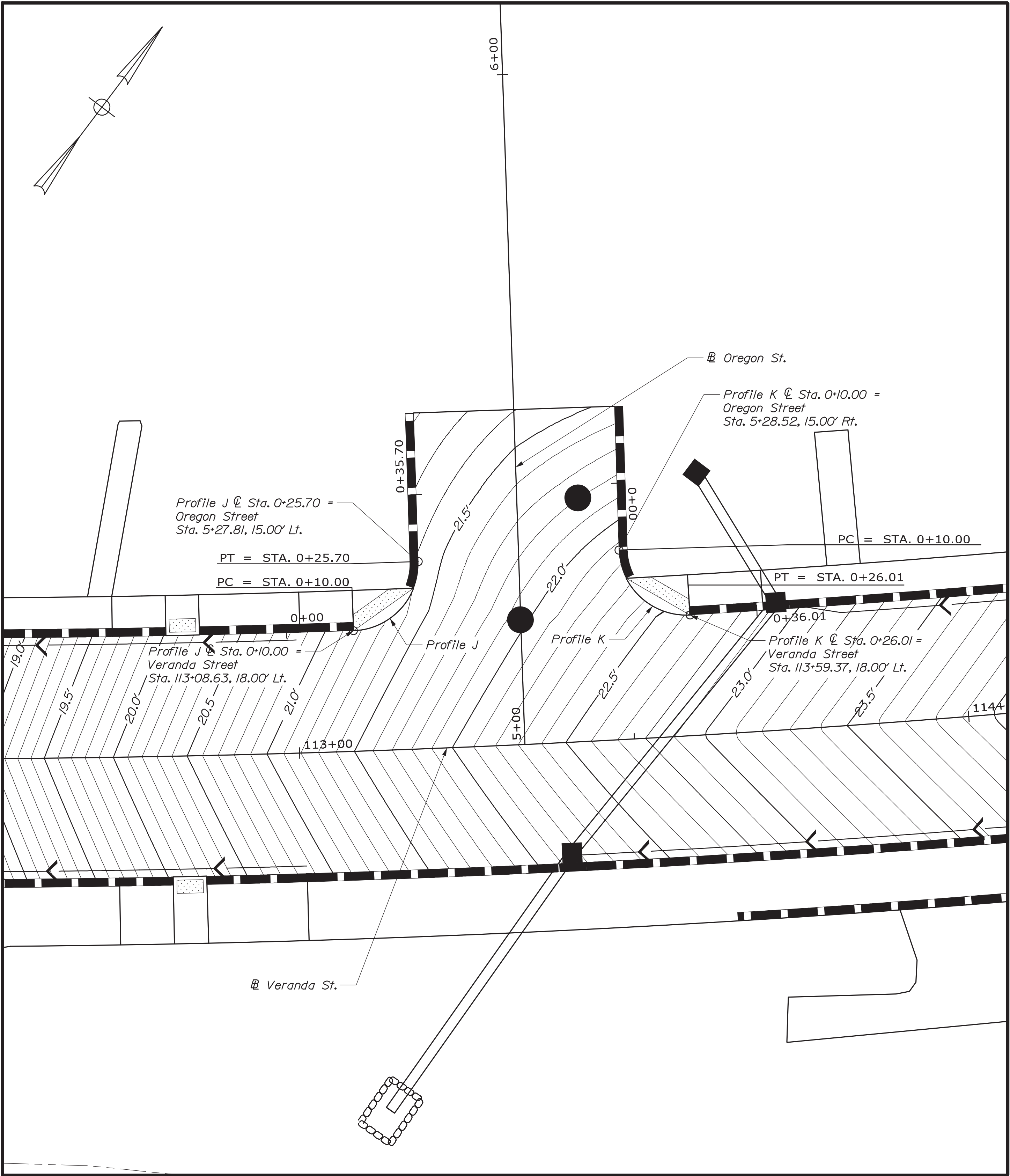
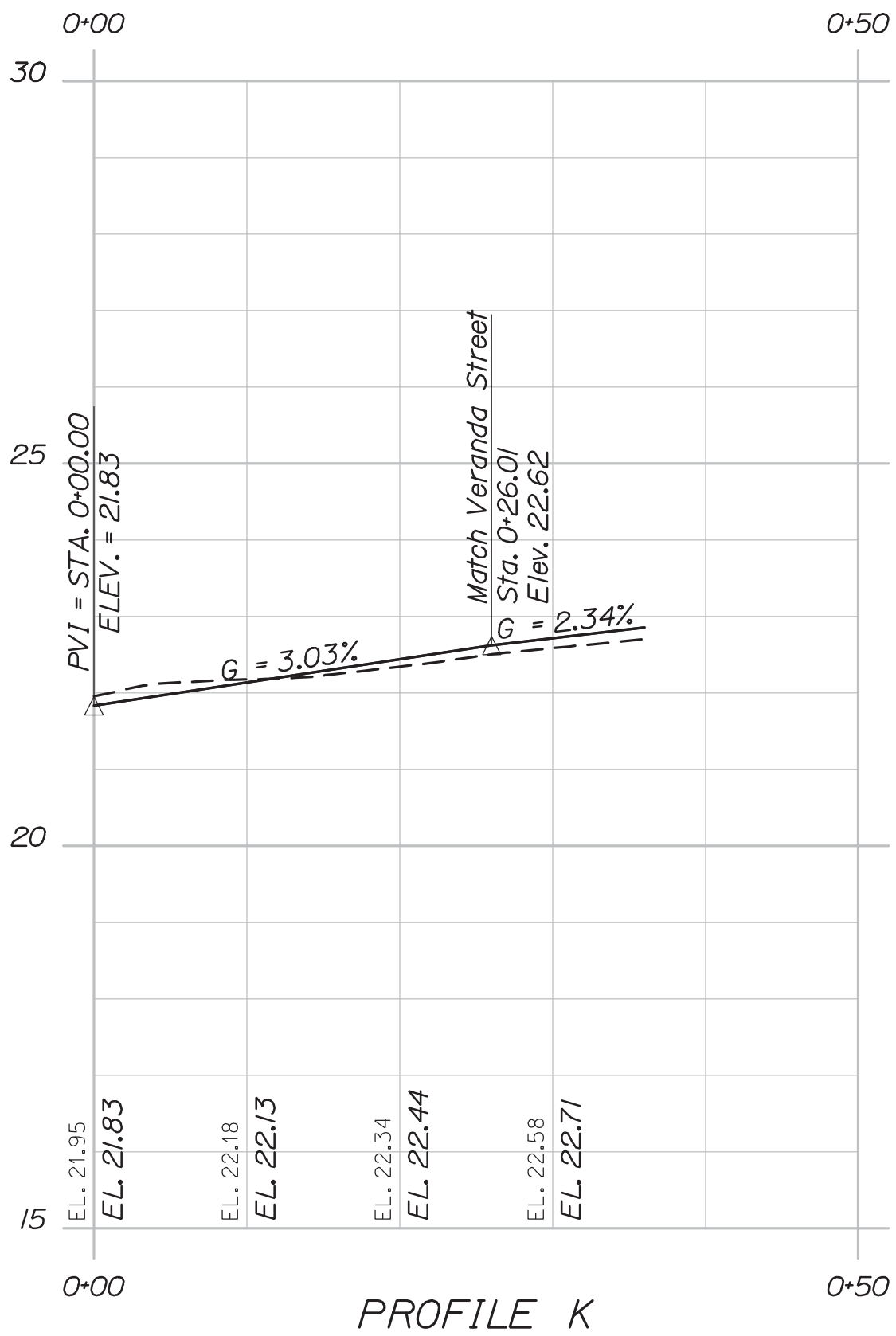
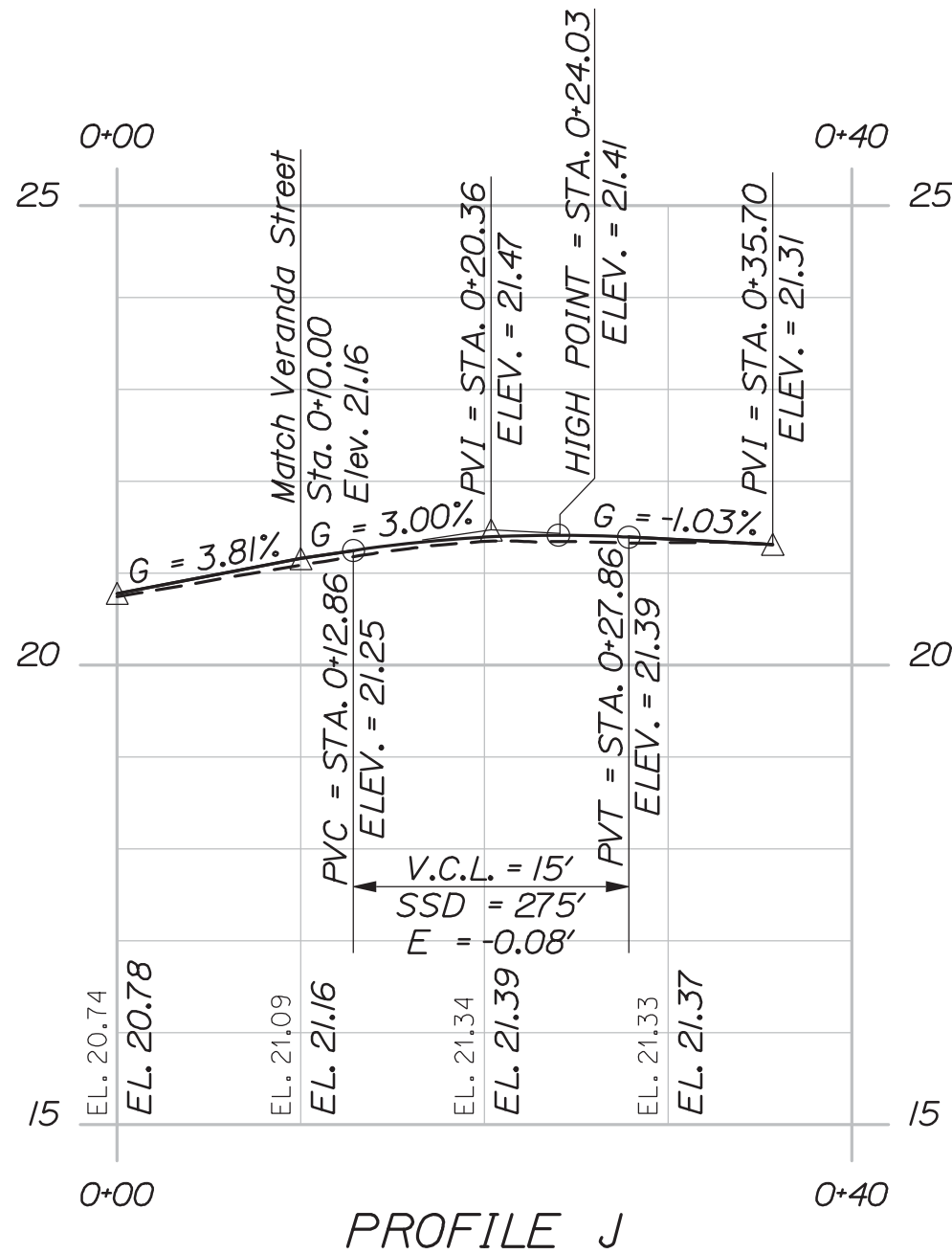


INTERSECTION OF OLYMPIA STREET/
VERANDA STREET

Note: Contours are shown
at 0.1 foot intervals

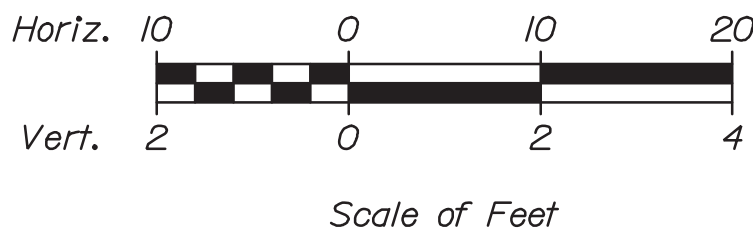


STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500) WIN 021745.00 BRIDGE NO.5933 BRIDGE PLANS	PROJ. MANAGER		D. EATON	BY	DATE
	DESIGN-DETAILED	EDD		COH	2/20
	CHECKED-REVIEWED	RWH		LZO	2/20
	DESIGN2-DETAILED2				
	DESIGN3-DETAILED3				
	REVISIONS 1				P.E. NUMBER
	REVISIONS 2				
	REVISIONS 3				
	REVISIONS 4				DATE
	FIELD CHANGES				
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY					
INTERSECTION GRADING PLAN OLYMPIA STREET					
SHEET NUMBER 38 OF 220					



INTERSECTION OF OREGON STREET/
VERANDA STREET

Note: Contours are shown
at 0.1 foot intervals



STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)										BRIDGE NO. 5933 WIN 021745.00 BRIDGE PLANS									
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY INTERSECTION GRADING PLAN OREGON STREET										PROJ. MANAGER		D. EATON		BY		DATE			
										DESIGN-DETAILED		EDD		COH		2/20			
										CHECKED-REVIEWED		RWH		LZO		2/20			
										DESIGN2-DETAILED2									
										DESIGN3-DETAILED3									
										REVISIONS 1				P.E. NUMBER					
										REVISIONS 2									
										REVISIONS 3									
										REVISIONS 4						DATE			
										FIELD CHANGES									

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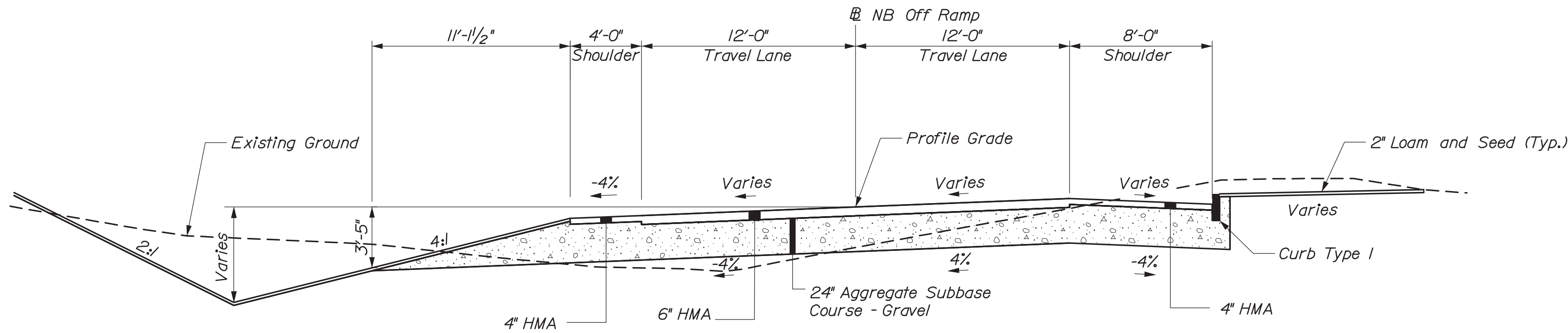
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Date: 3/3/2020

Username:

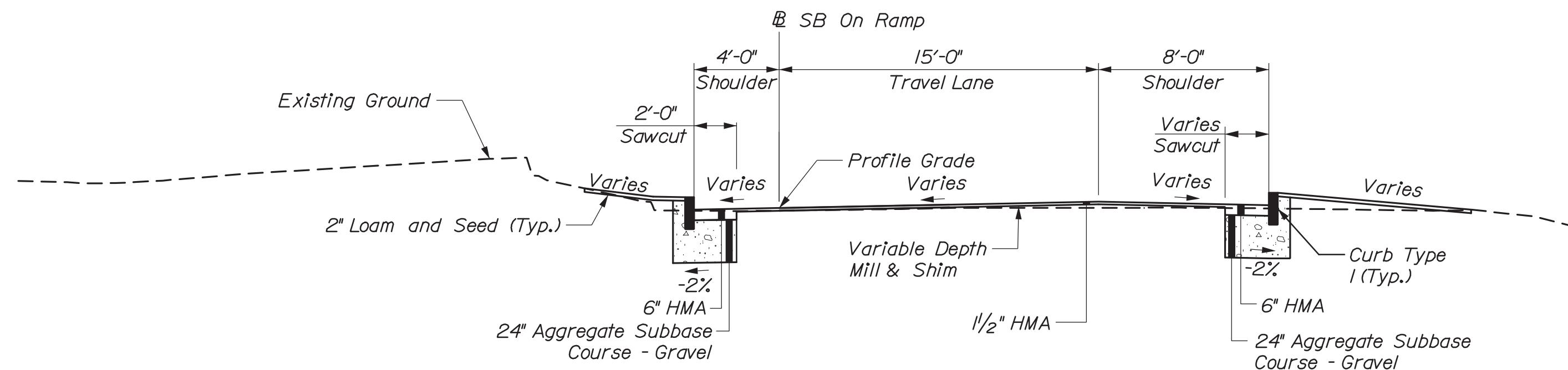
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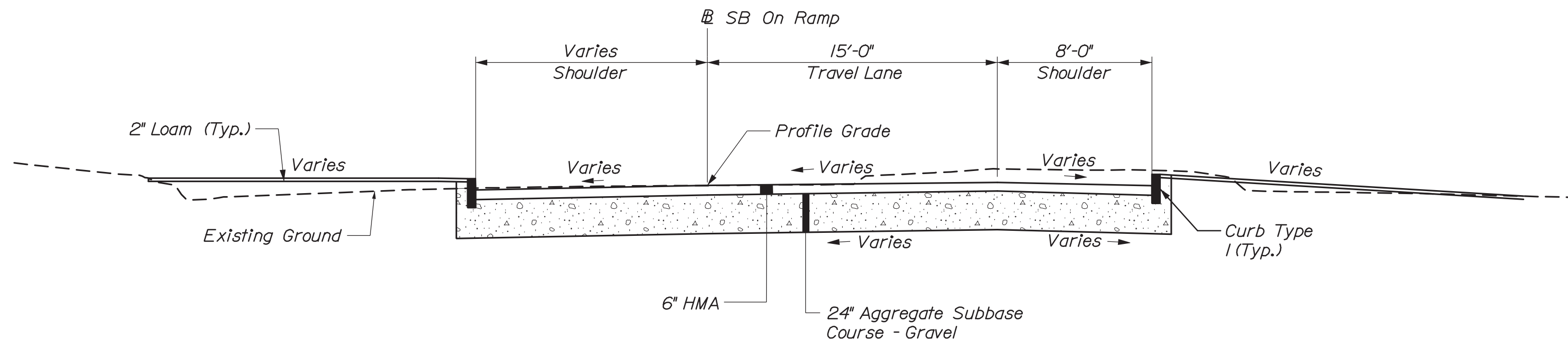
I-295 NB OFF RAMP - FULL CONSTRUCTION

I 295 NB Off Ramp Superelevation Table				
Left Shoulder	Left Travelway	Station	Right Travelway	Right Shoulder
Match Existing		303+50.00	Match Existing	
-4.0%	-0.8%	303+75.00	-1.1%	-4.0%
-4.0%	-1.0%	304+00.00	-1.1%	-4.0%
-4.0%	-1.0%	304+25.00	-0.5%	-4.0%
-4.0%	-1.0%	304+50.00	1.0%	-4.0%
-4.0%	-2.5%	304+75.00	2.5%	-4.0%
-4.0%	-4.0%	305+00.00	4.0%	-4.0%
		-		
-4.0%	-4.0%	306+50.00	4.0%	-2.0%
-4.0%	-3.4%	306+75.00	3.4%	-2.0%
		-		
-4.0%	-3.4%	307+50.00	3.4%	-2.0%
-2.8%	-2.4%	307+75.00	2.4%	-2.0%
-1.6%	-1.4%	308+00.00	1.4%	-2.0%
-0.3%	-0.3%	308+25.00	0.3%	-0.9%



I-295 SB ON RAMP - MILL & OVERLAY

I 295 NB On Ramp Superelevation Table			
Left Shoulder	Station	Travelway	Right Shoulder
Match Existing	200+25.00	Match Existing	Match Existing
-4.0%	200+50.00	2.0%	0.0%
-3.0%	200+75.00	2.0%	-1.0%
-2.0%	201+00.00	2.0%	-2.0%
-2.0%	201+25.00	2.0%	-2.0%
-2.0%	201+50.00	2.0%	-2.0%
-2.0%	201+75.00	2.0%	-2.0%
-1.1%	202+00.00	1.1%	-2.0%
0.1%	202+25.00	-0.1%	-1.4%
0.5%	202+50.00	-0.5%	-0.5%



I-295 SB ON RAMP - FULL DEPTH CONSTRUCTION

NOTES:

1. The pavement, base and subbase depths as shown on the plans are intended to be nominal.

2. When superelevation exceeds the slope of the low side shoulder, the low side shoulder's pavement shall have the same cross slope as the travel way.

3. Crowns for both normal and superelevation sections for all courses of subbase and pavement shall be straight, unless otherwise noted on the plans.

4. The algebraic difference between shoulder and travel lane cross slopes "rollover" shall not exceed 8%. To maintain a shoulder rollover less than 8%, a 4' wide 0.0% break shall be constructed between the travel lane slope and shoulder slope as shown on the cross sections.



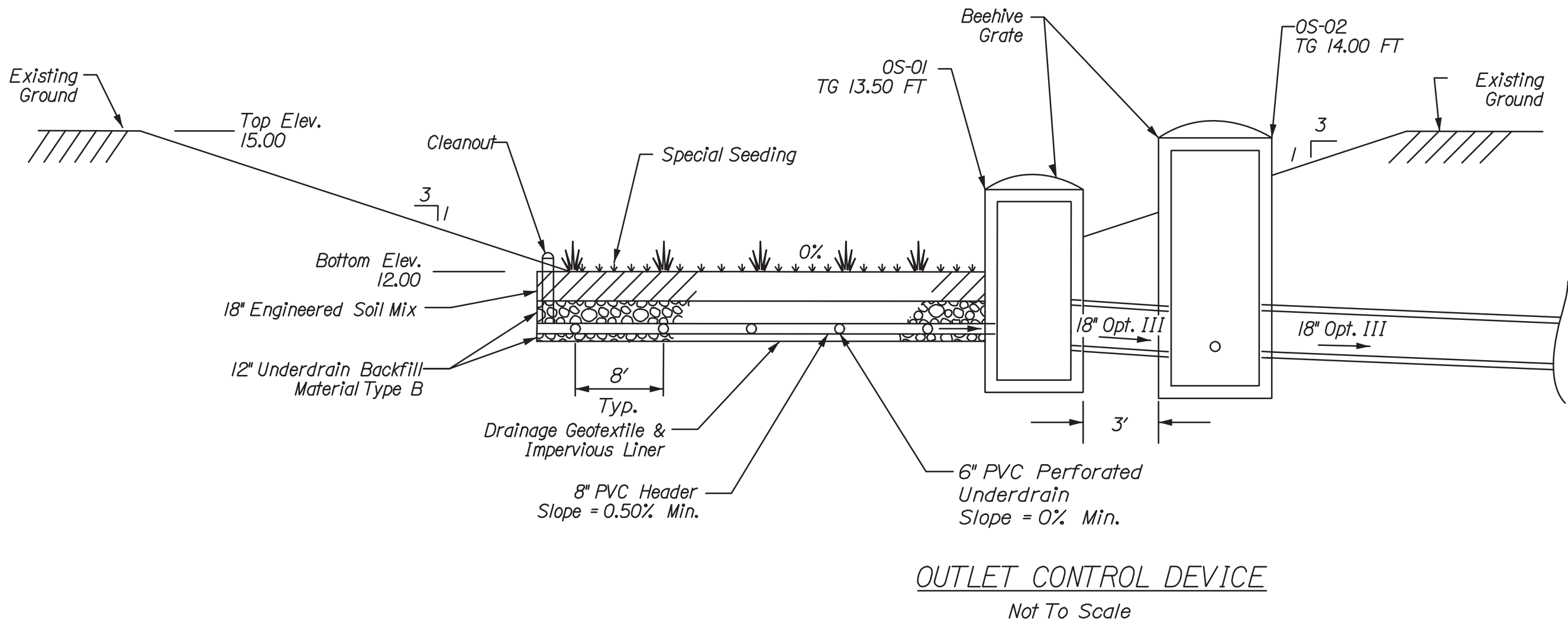
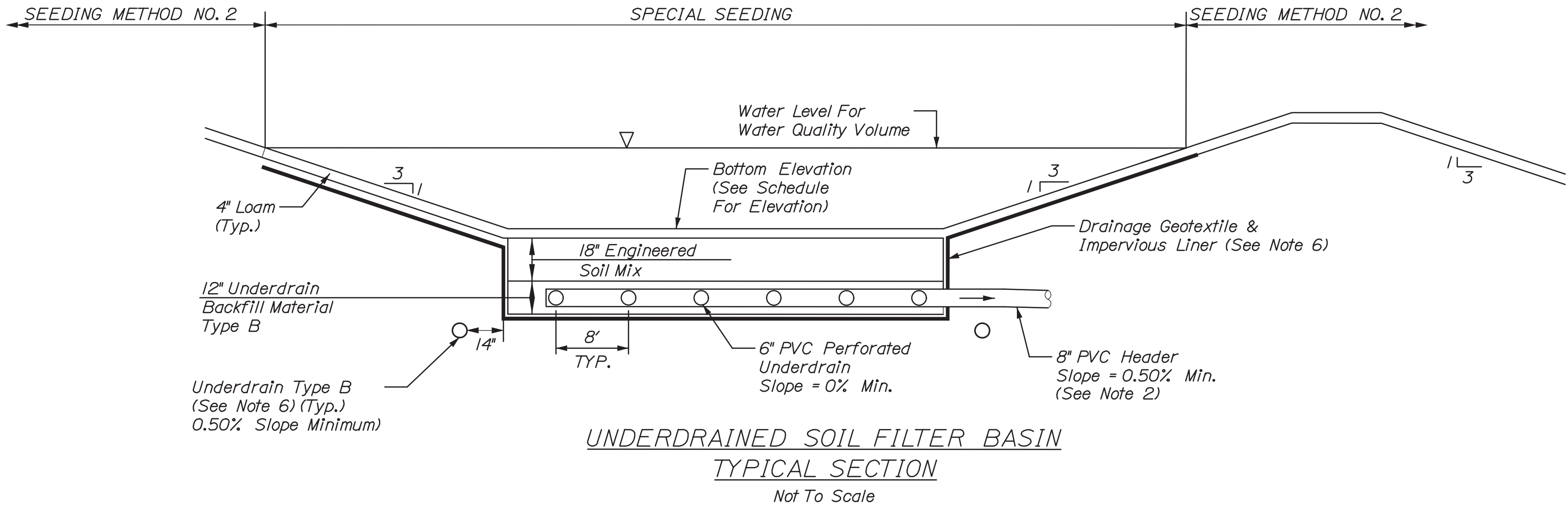
1. The Contractor shall be permitted to place a thicker layer of lightweight foam concrete distribution slab during the pre-road closure period to minimize fill placement during the road closure. The top of the lightweight foam concrete distribution slab shall not extend beyond the bottom of the existing bridge girders. Care shall be taken to prohibit adhesion between the foam concrete and the existing bridge girders.

Date:3/3/2020

Username:

Division:

Filename: 044_USF Detail.dgn



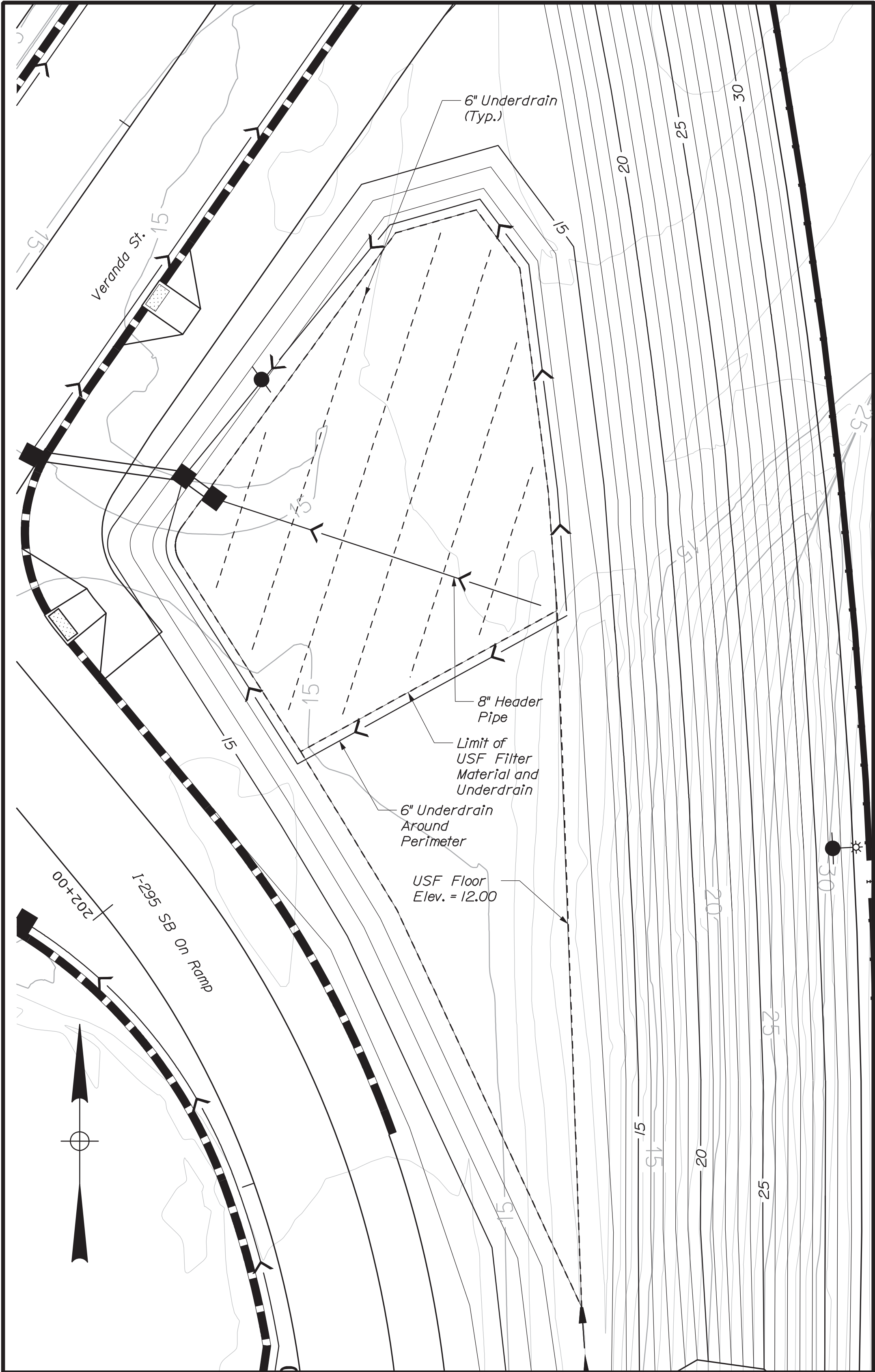
OUTLET CONTROL DEVICE DATA

Structure Id	Box	Rim Elev.	Inv. In	Inv. Out
0S-01	Catch Basin Type B-I-P	13.50 FT	10.00 FT	9.50 FT
0S-02	Catch Basin Type B-I-P	14.00 FT	9.40 FT	9.40 FT

USF BASIN SCHEDULE					
USF Basin #1	Basin Elevations		Peak Water Surface Elevation		
	Bottom	Top of Embankment	2-year	10-year	25-year
	(feet)	(feet)	(feet)	(feet)	(feet)
	12.00	15.00	12.06	13.29	13.66

NOTES:

1. 8" PVC Underdrain Header/Outlet Shall Not Be Slotted, 8" PVC Shall Outlet As Shown On Plans.
2. Surface of Soil Filter Shall Be Seeded With Special Seed As Specified In Section 618 Of The Specifications. Payment Shall Be Made Under Item 618.143 - Special Seeding.
3. The Underdrained Soil Filter Shall Be Constructed To the Limits And Details Shown On the Plans And Specifications Unless Otherwise Approved By the Resident.
4. The Filter Bed Material Shall Not Be Placed In USF Basins Until The Tributary Drainage Area Is Permanently Stabilized Against Erosion.
5. Erosion Control Blanket Shall Be Provided On All USF Basin Embankment Slopes, Interior, Exterior And On the Surface Of The Soil Filter. Payment Shall Be Incidental To 615.27 Underdrained Soil Filter.
6. An Impervious Liner Shall Be Installed Between Two Layers of Geotextile. Underdrain Type B Shall Be Installed Around The Perimeter of the Impervious Layer.



UNDERDRAINED SOIL FILTER BASIN GRADING SCALE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO. 5933
WIN
021745.00
BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	LED	CDH	2/20			
CHECKED-REVIEWED	RWH	LJD	2/20			
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

UNDERDRAINED SOIL
FILTER DETAILS

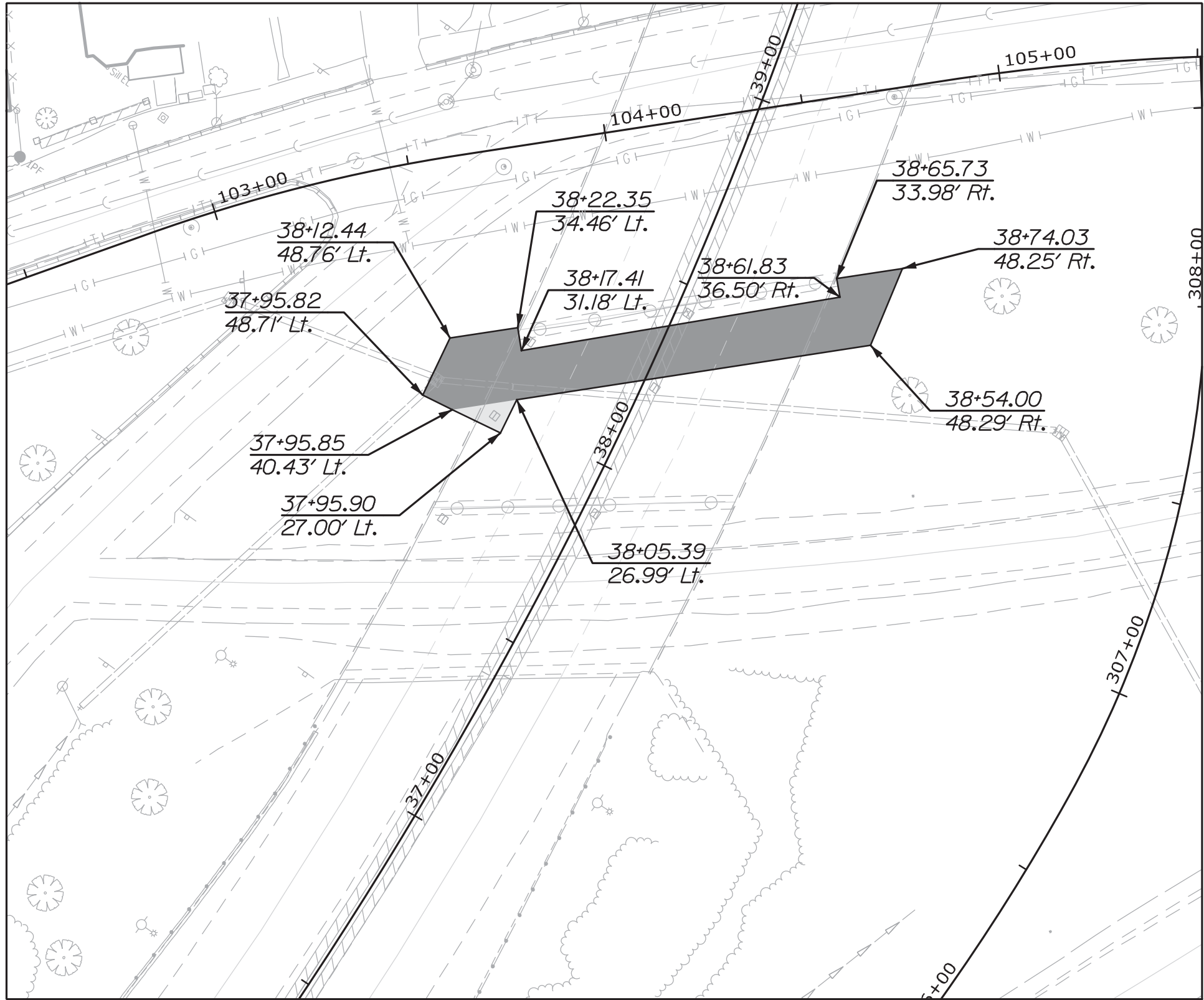
SHEET NUMBER
44
OF 220

Date: 3/3/2020

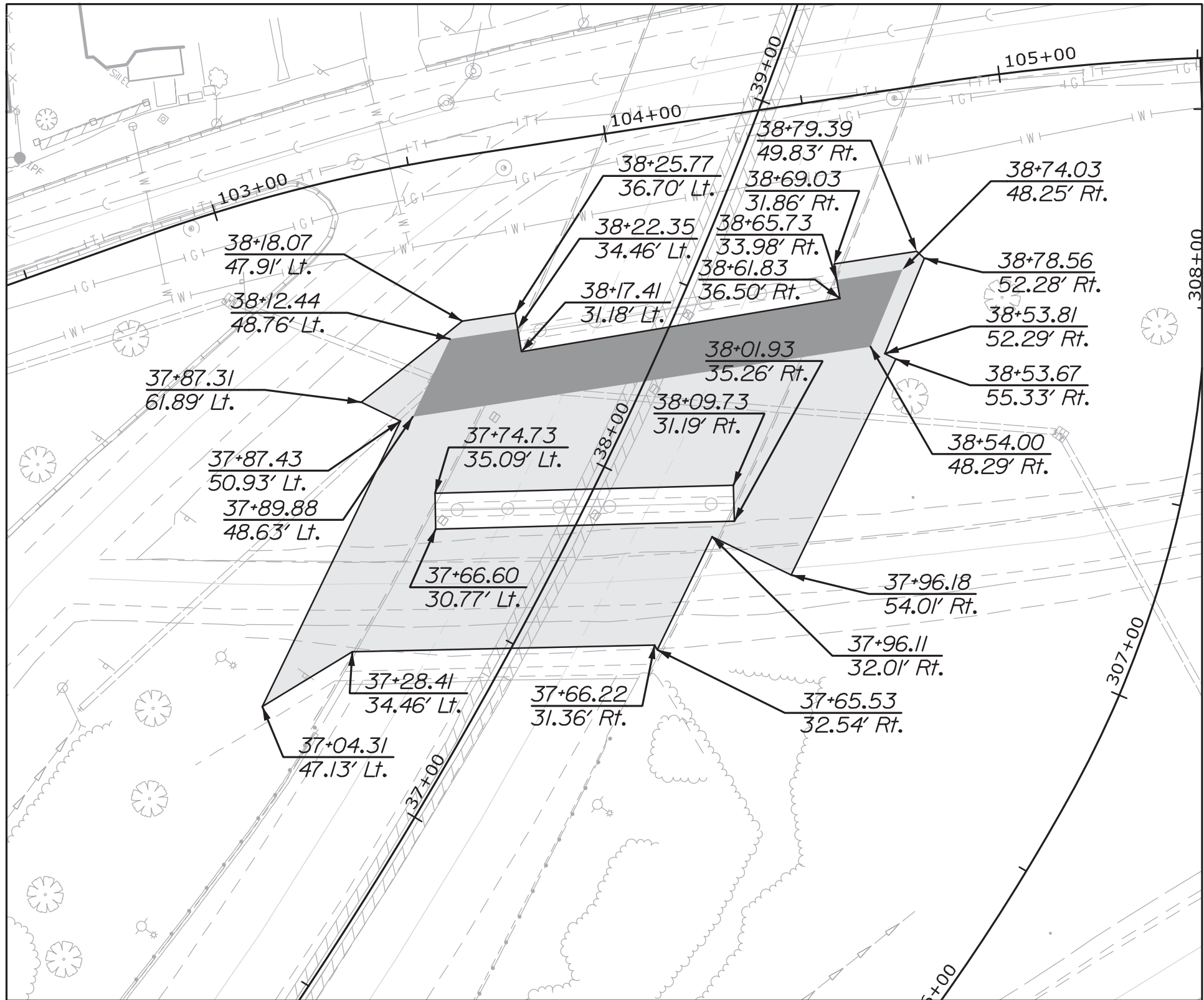
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Division:

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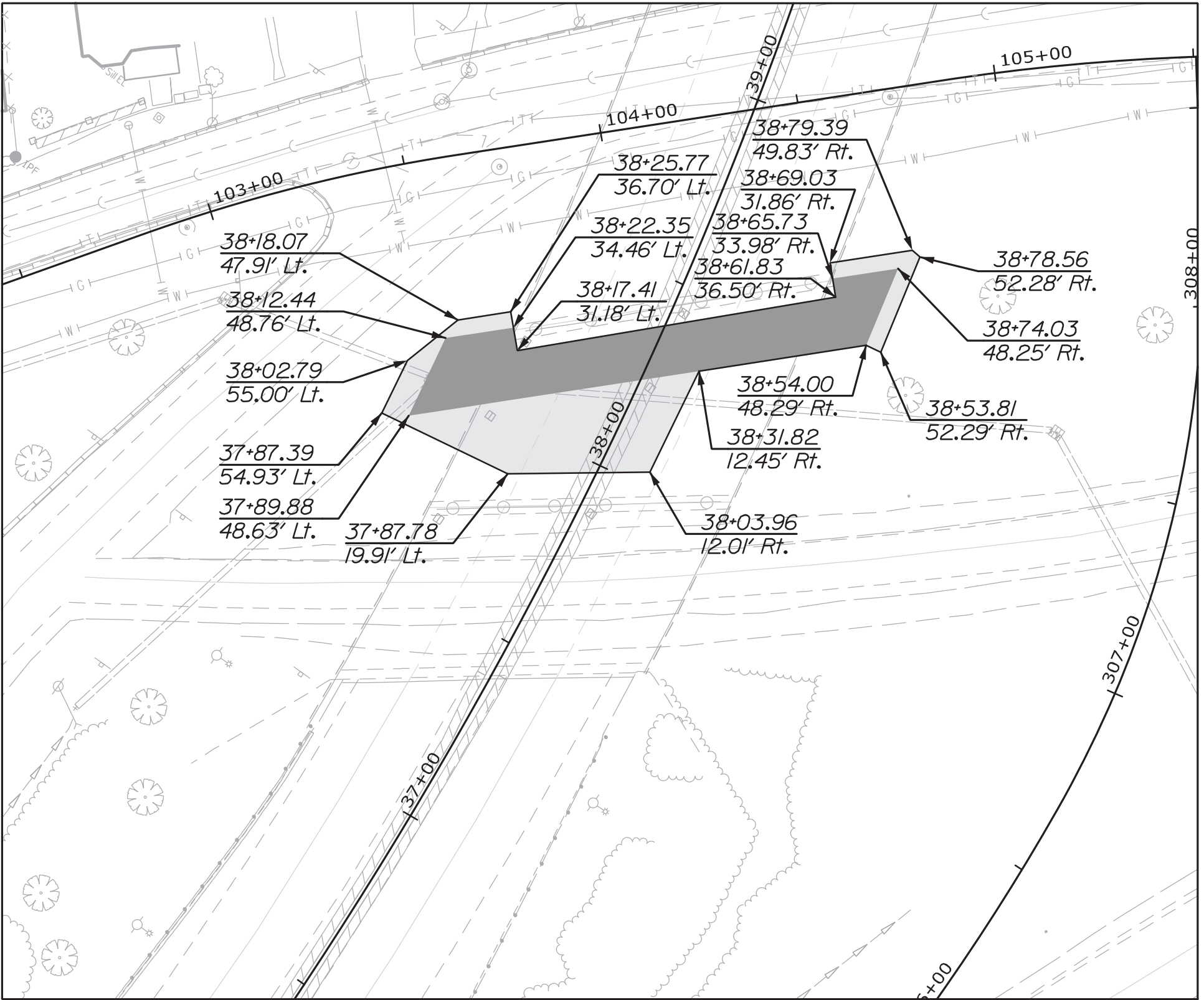
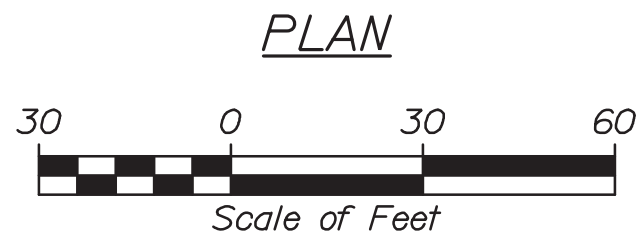


LAYER 1
BOTTOM ELEVATION - EL. 6
TOP ELEVATION - EL. 8

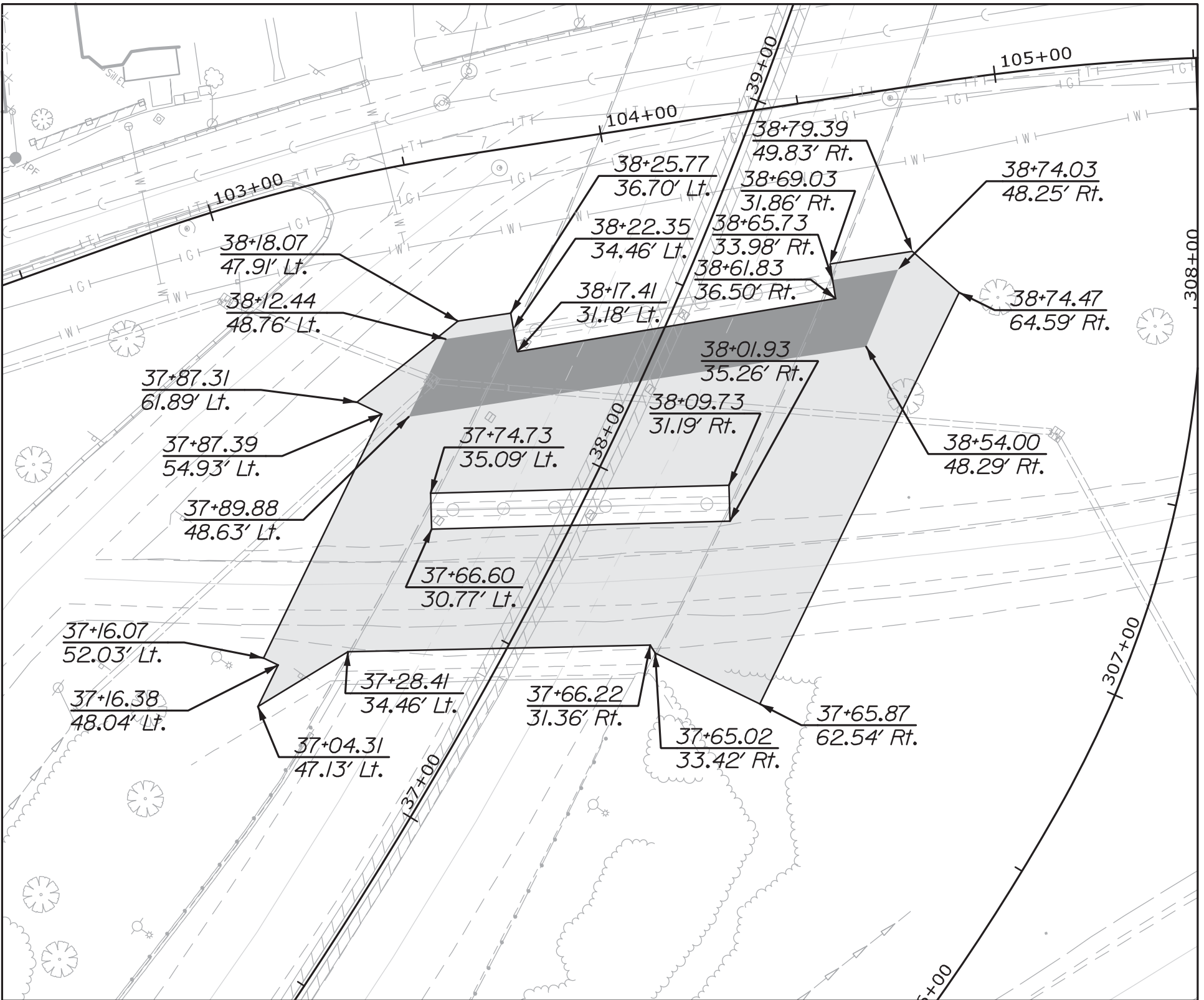


LAYER 3
BOTTOM ELEVATION - EL. 10
TOP ELEVATION - EL. 12

LEGEND:
EPS 22 Geofoam
Min. Limits of EPS 39 Geofoam



LAYER 2
BOTTOM ELEVATION - EL. 8
TOP ELEVATION - EL. 10



LAYER 4
BOTTOM ELEVATION - EL. 12
TOP ELEVATION - EL. 14



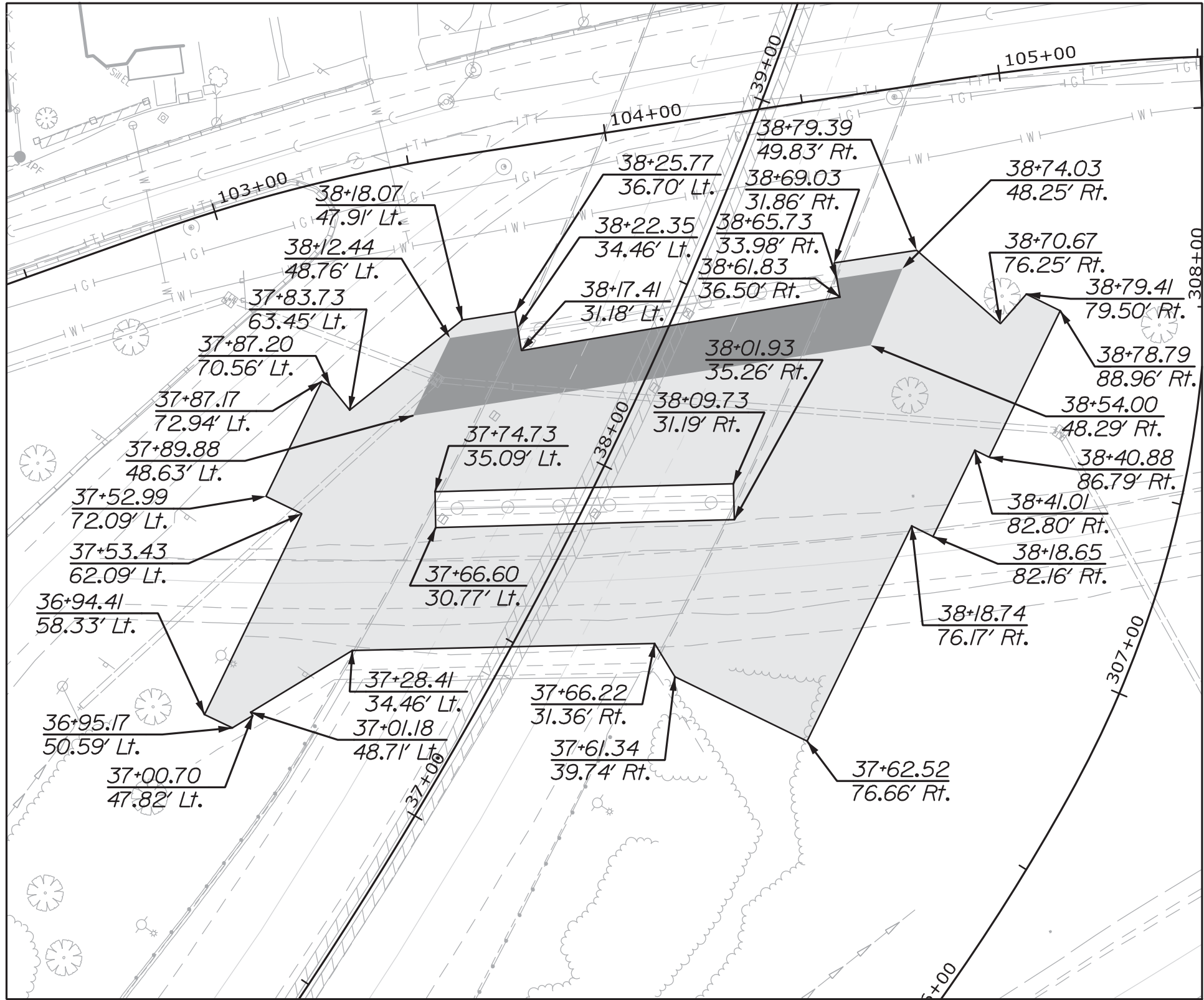
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
GEOFOAM LAYOUT PLAN SOUTH APPROACH 1				DESIGN-DETAILED		EDD		COH		2/20		SIGNATURE	
				CHECKED-REVIEWED		RWH		LJD		2/20			
				DESIGN2-DETAILED2									
				DESIGN3-DETAILED3									
				REVISIONS 1									
				REVISIONS 2								P.E. NUMBER	
				REVISIONS 3									
				REVISIONS 4									
				FIELD CHANGES									
												WIN	
												021745.00	
												BRIDGE NO.5933	
												BRIDGE PLANS	

Date: 3/3/2020

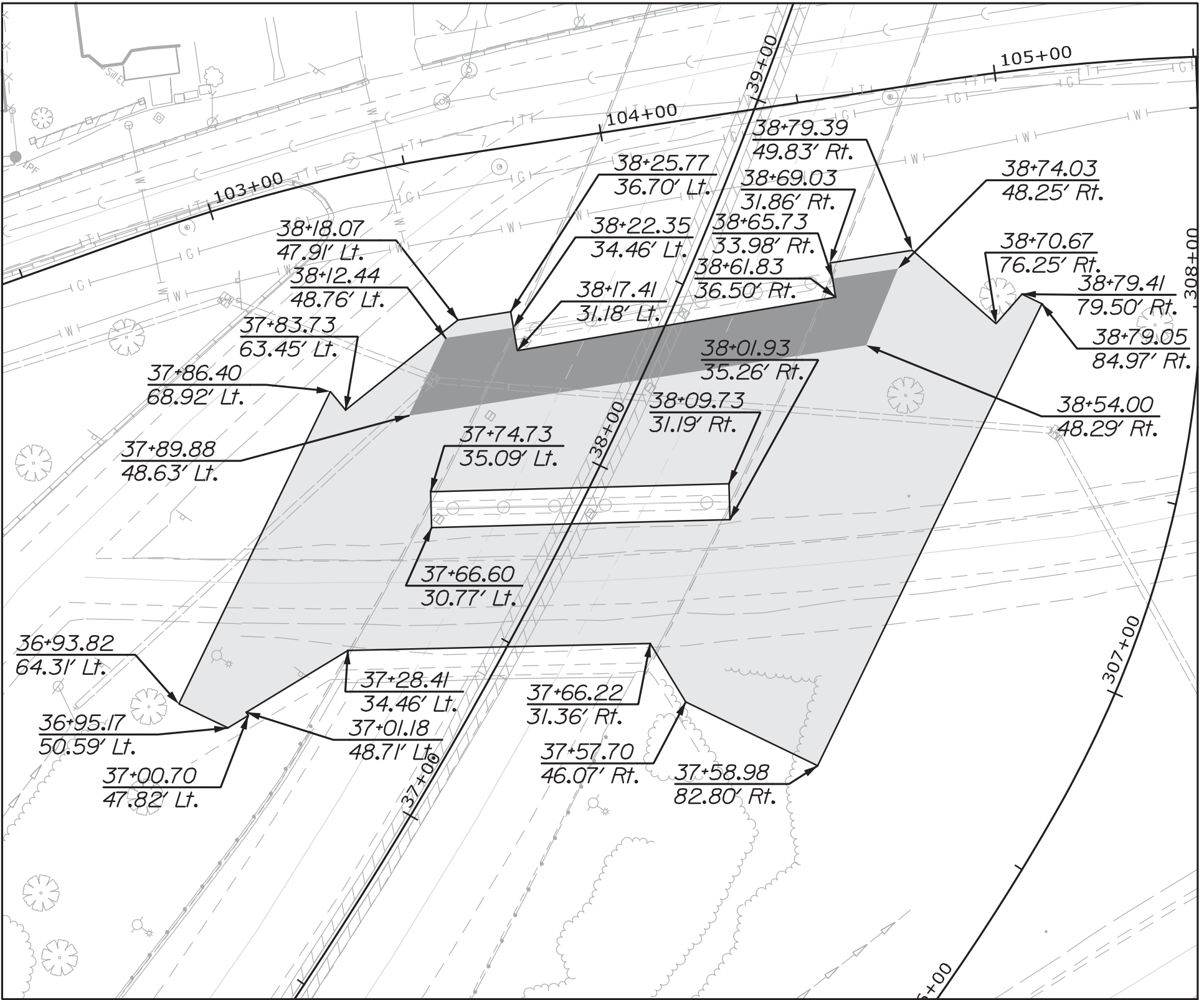
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Division:

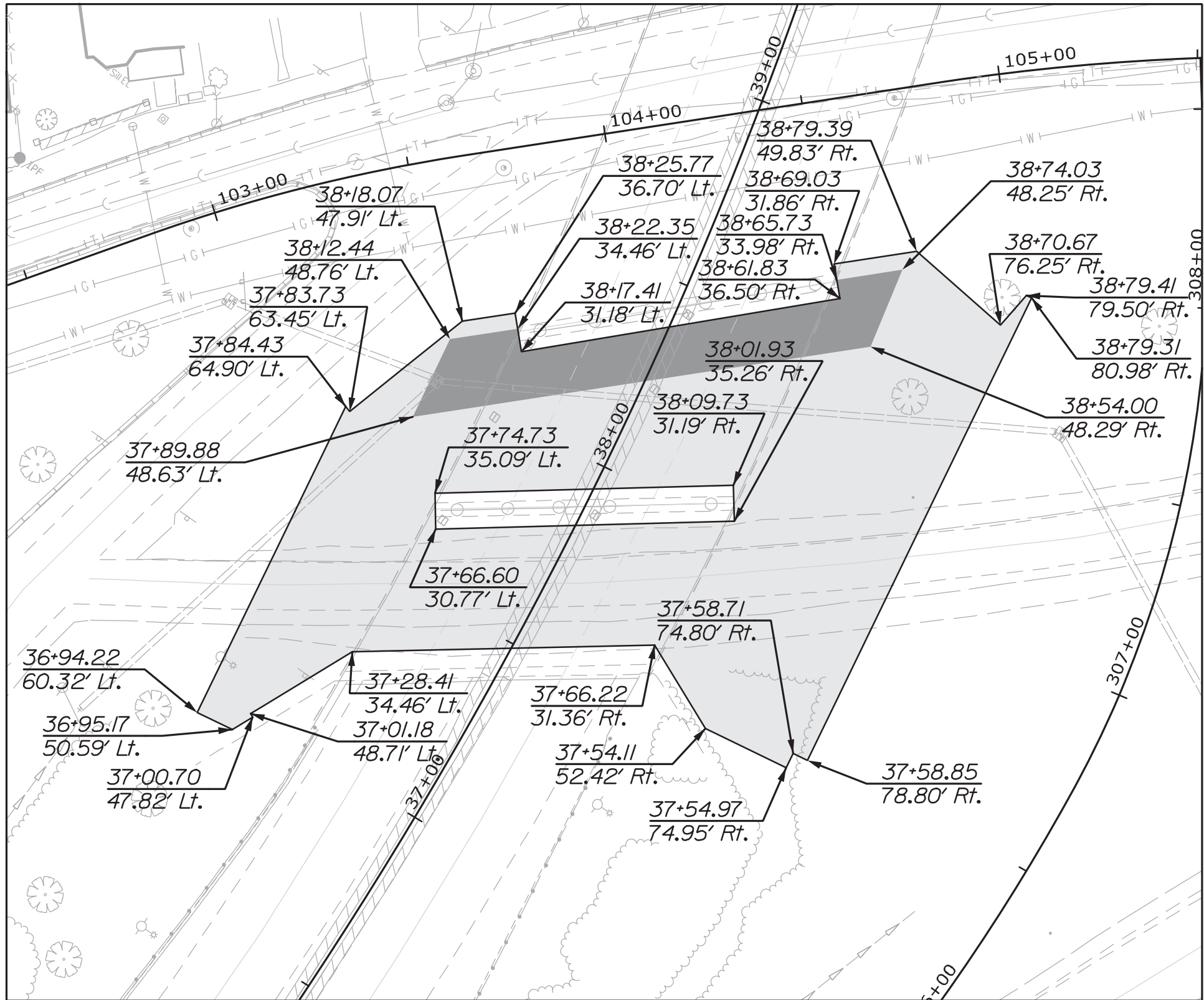
Filename: 046_GDPlan_S02.dgn



LAYER 5
BOTTOM ELEVATION - EL. 14
TOP ELEVATION - EL. 16



LAYER 6
BOTTOM ELEVATION - EL. 16
TOP ELEVATION - EL. 18

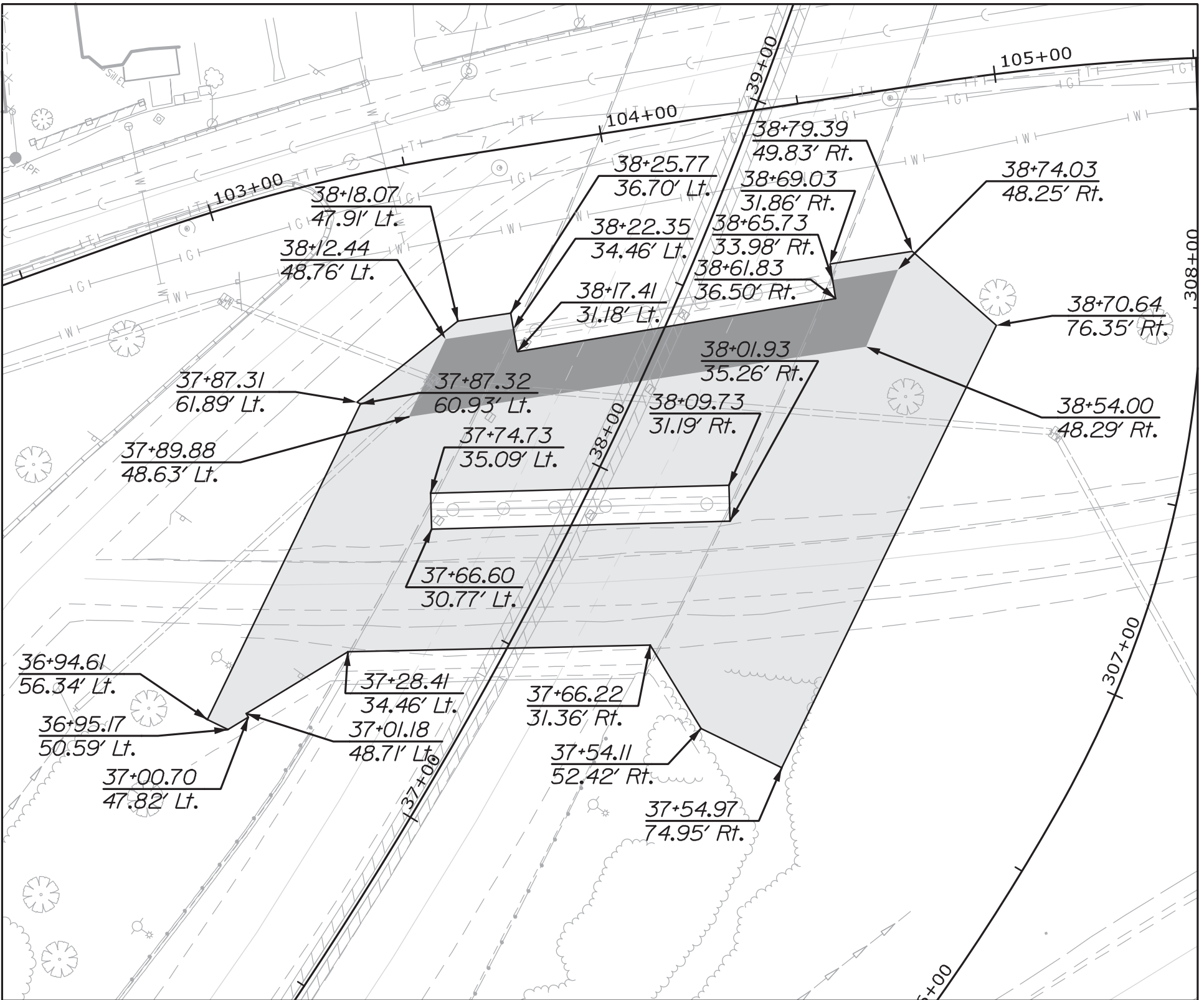
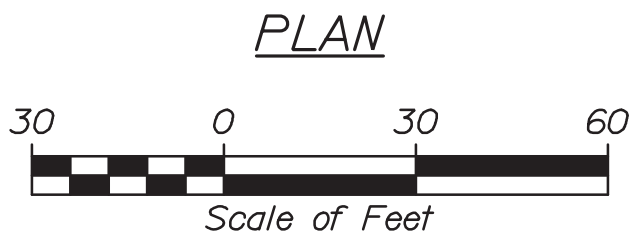


LAYER 7
BOTTOM ELEVATION - EL. 18
TOP ELEVATION - EL. 20

LEGEND:

EPS 22 Geofoam

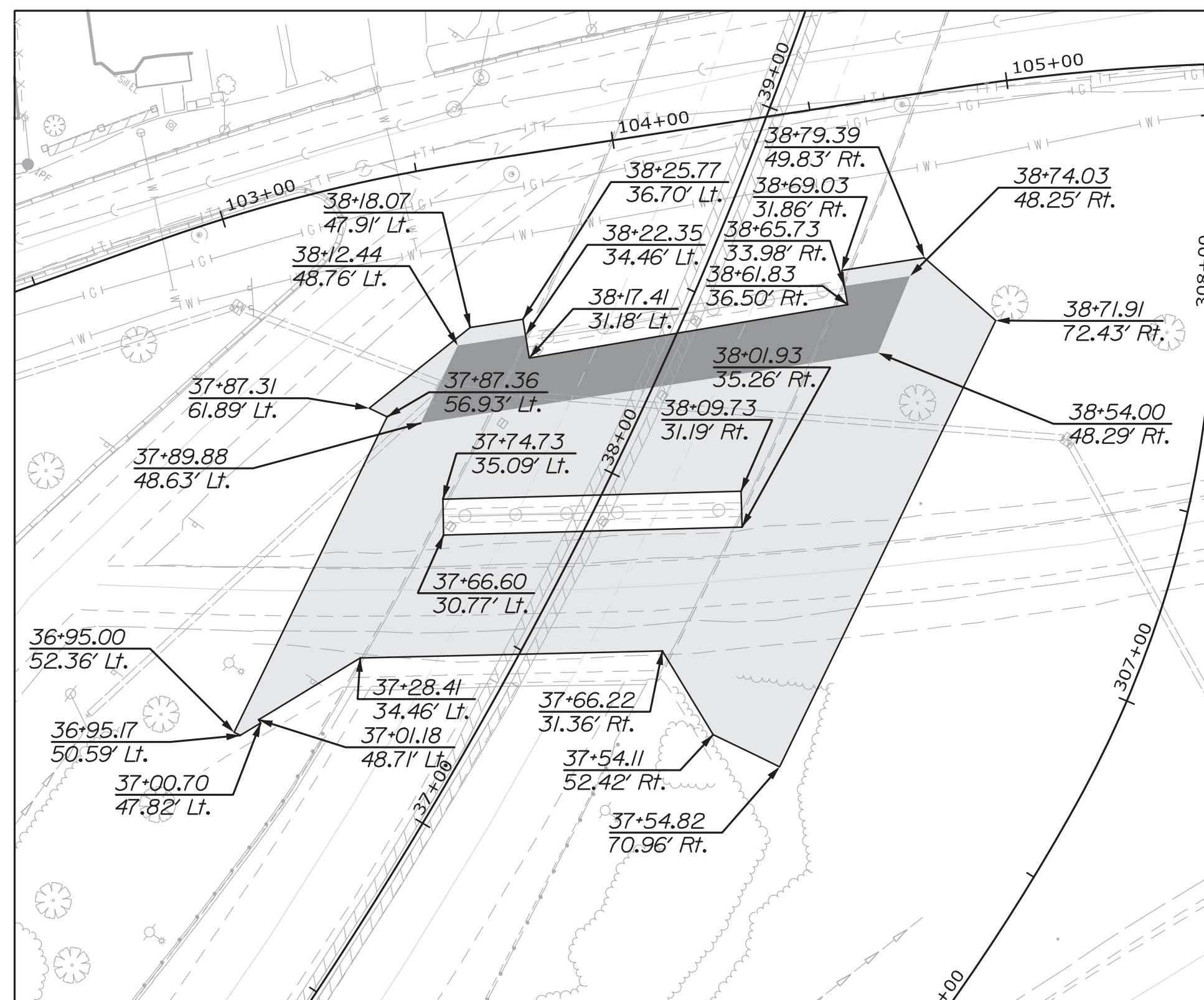
Min. Limits of EPS 39 Geofoam



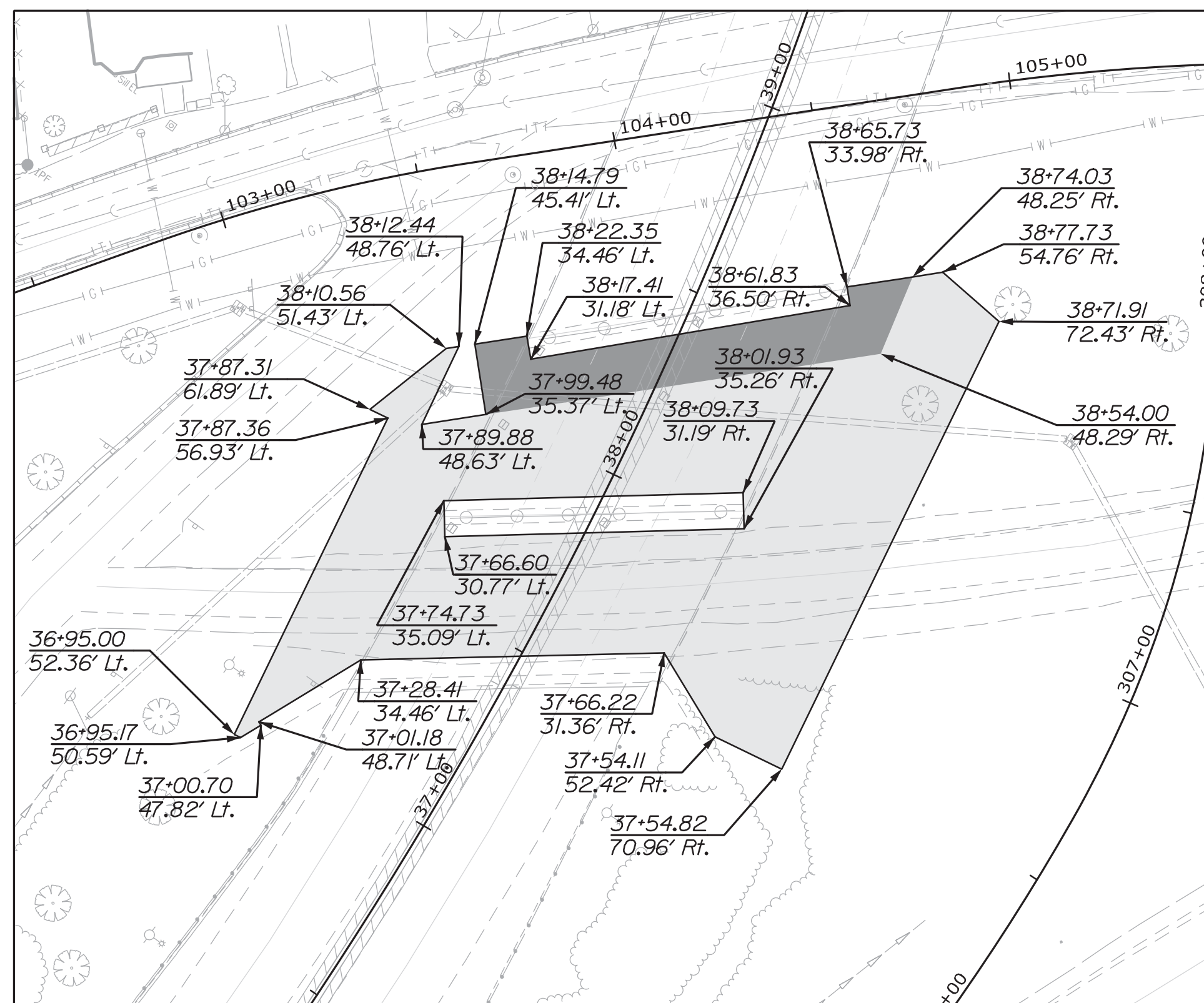
LAYER 8
BOTTOM ELEVATION - EL. 20
TOP ELEVATION - EL. 22

HNTB

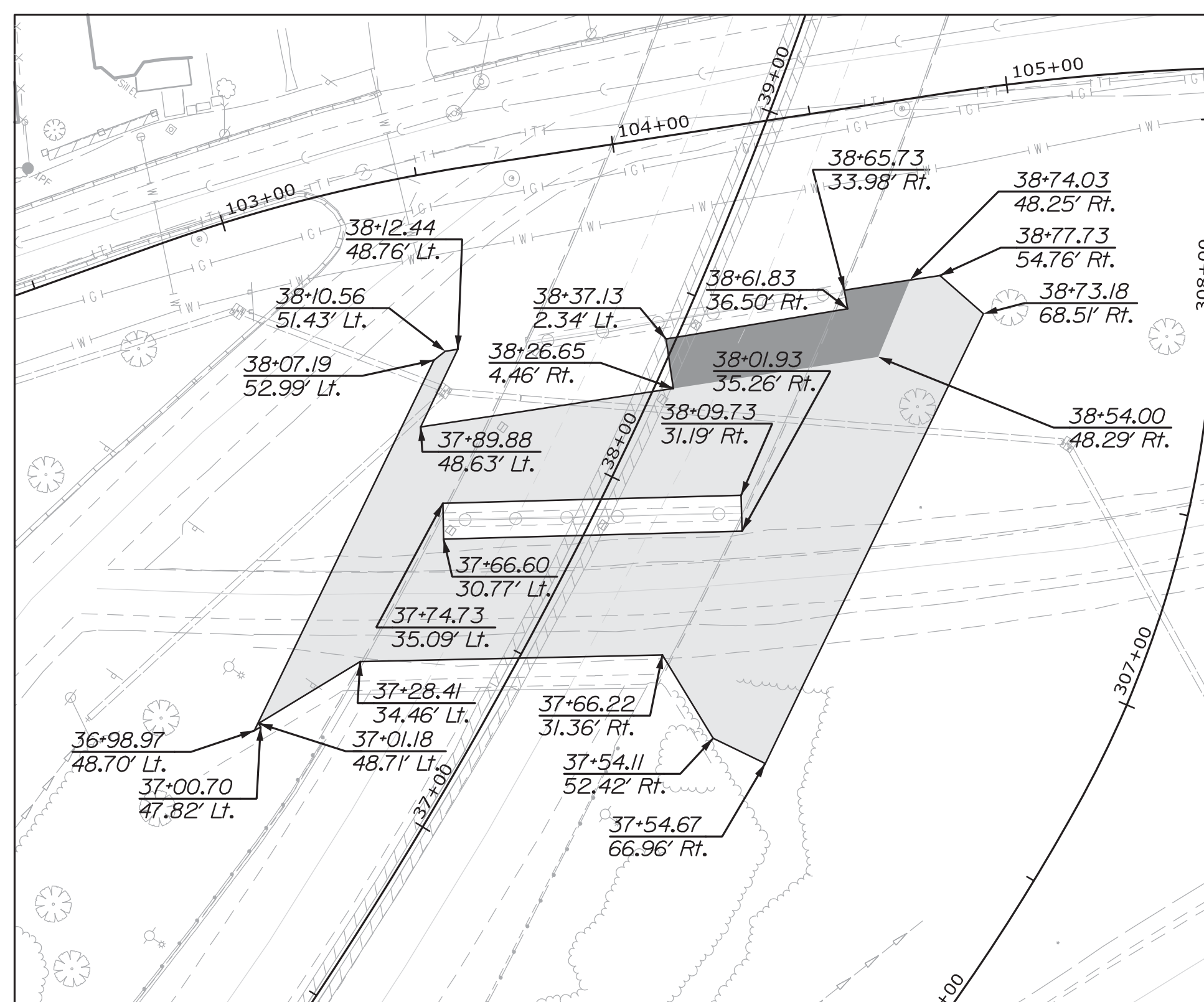
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
GEOFOAM LAYOUT PLAN SOUTH APPROACH 2				NHP-2174(500)		
				WIN		
				021745.00		
				BRIDGE NO. 5933		
				BRIDGE PLANS		
SHEET NUMBER 46 OF 220				SIGNATURE		
				P.E. NUMBER		
				DATE		
				FIELD CHANGES		
PROJ. MANAGER				D. EATON	BY	DATE
DESIGN-DETAILED				EDD	CDH	2/20
CHECKED-REVIEWED				RWH	LZO	2/20
DESIGN2-DETAILED2						
DESIGN3-DETAILED3						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						



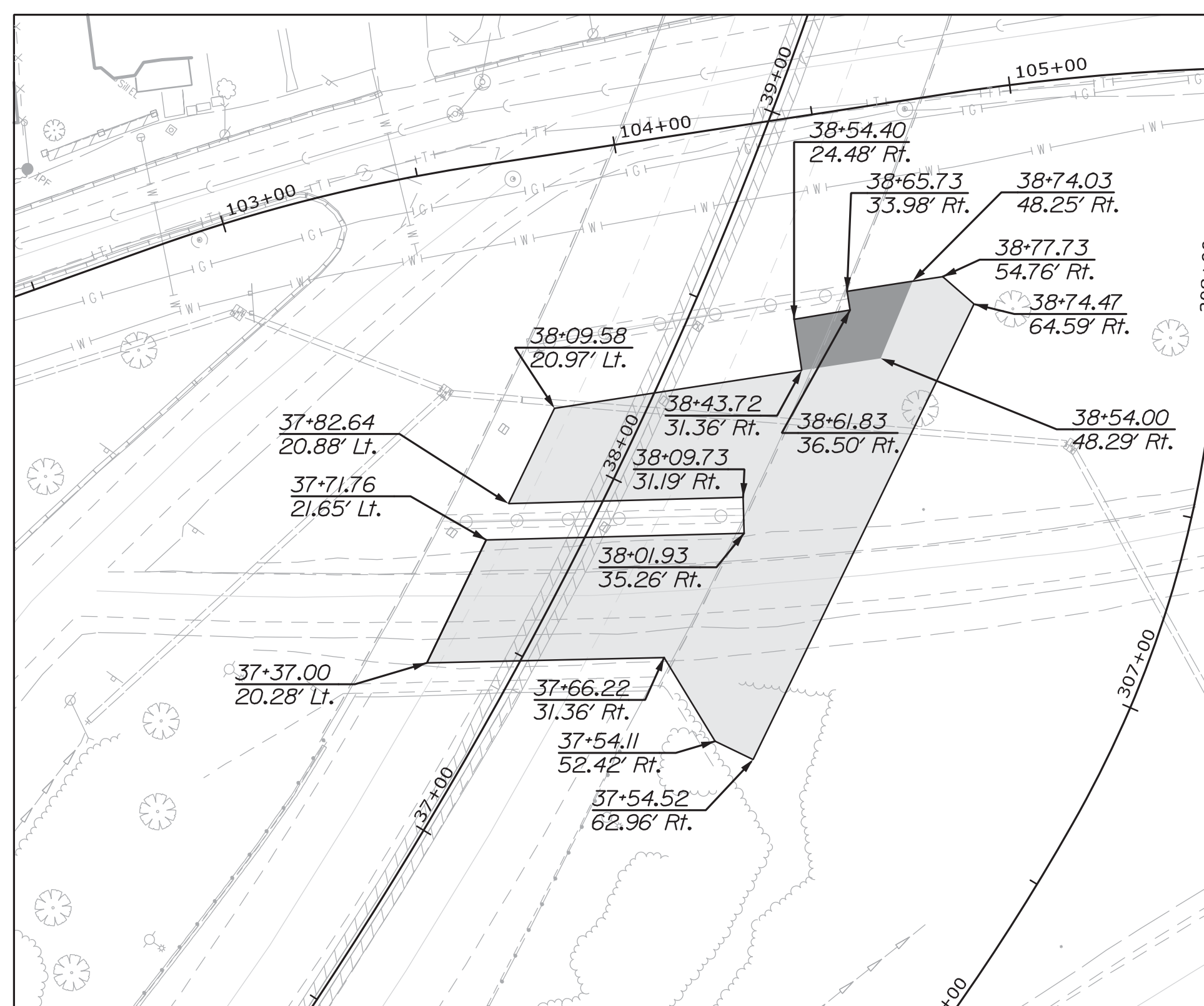
LAYER 9
BOTTOM ELEVATION - EL. 22
TOP ELEVATION - EL. 23



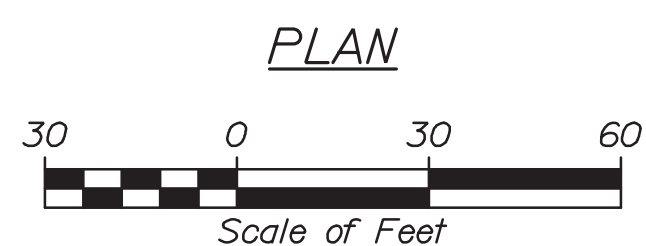
LAYER 10
BOTTOM ELEVATION - EL. 23
TOP ELEVATION - EL. 24



LAYER II
BOTTOM ELEVATION - EL. 24
TOP ELEVATION - EL. 26



LAYER 12
BOTTOM ELEVATION - EL. 26
TOP ELEVATION - EL. 28

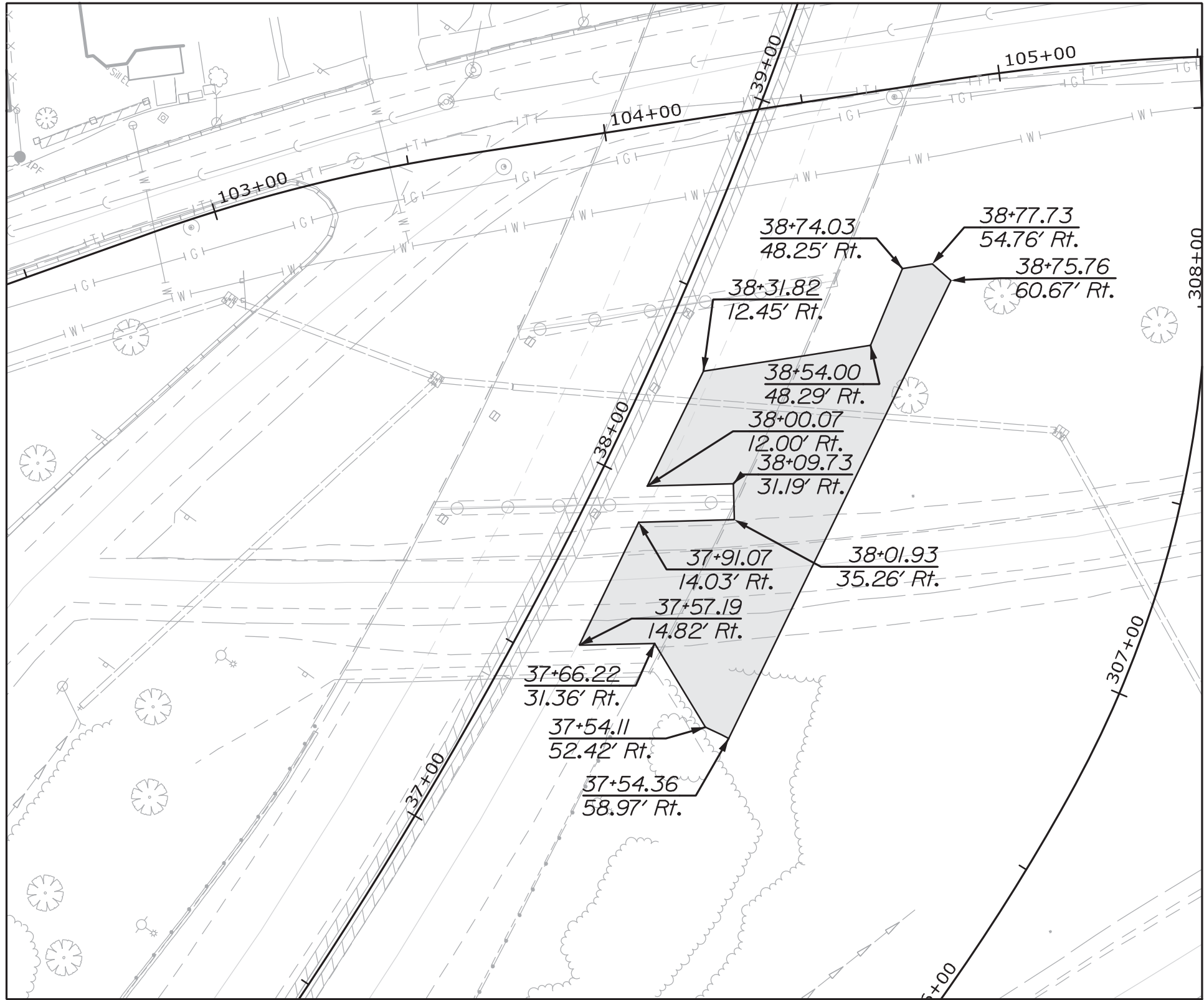
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Date:3/3/2020

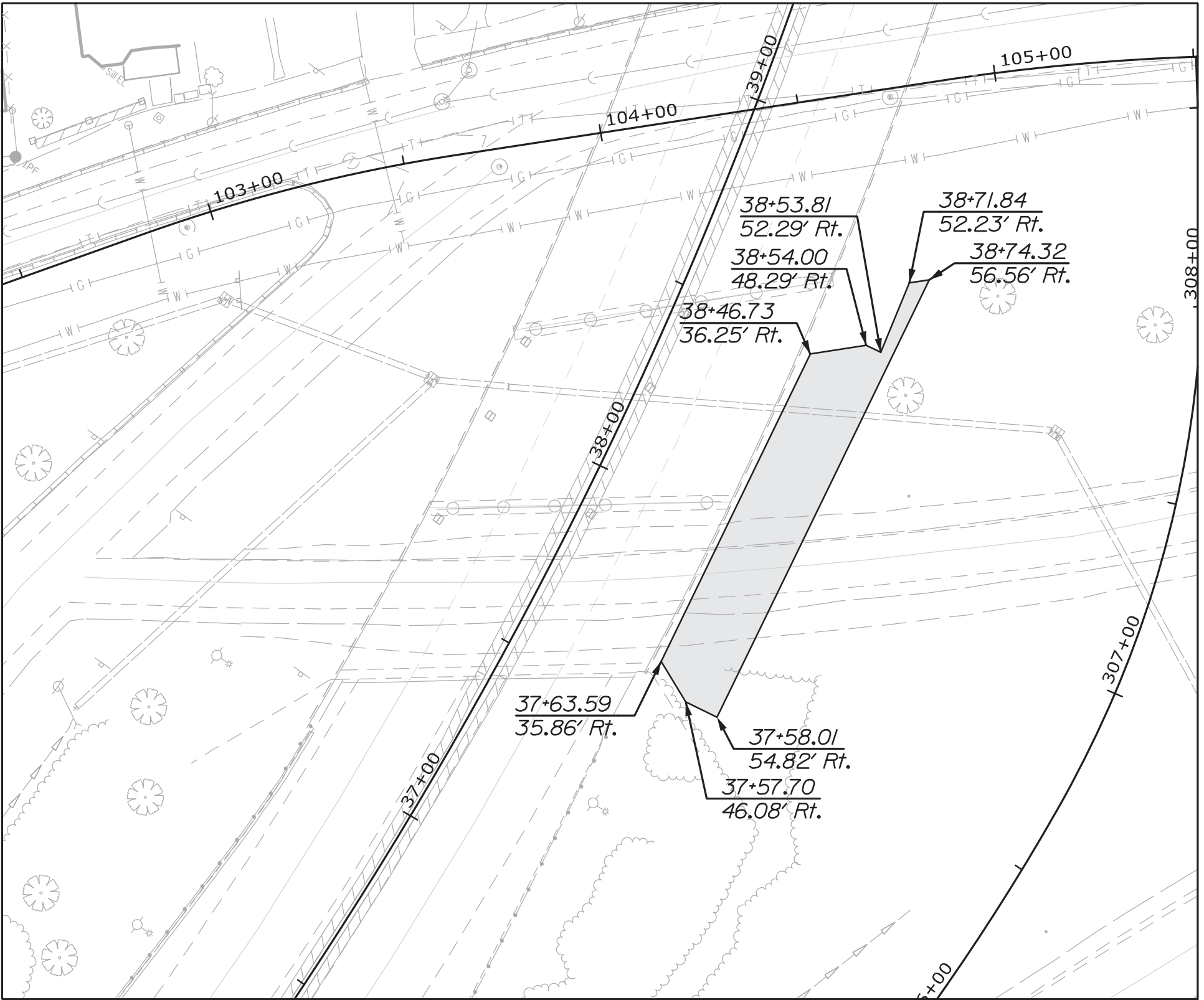
Username:

Division:

Filename: 048_CDPlan_S04.dgn



LAYER 13
BOTTOM ELEVATION - EL. 28
TOP ELEVATION - EL. 30



LAYER 14
BOTTOM ELEVATION - EL. 30
TOP ELEVATION - EL. 32

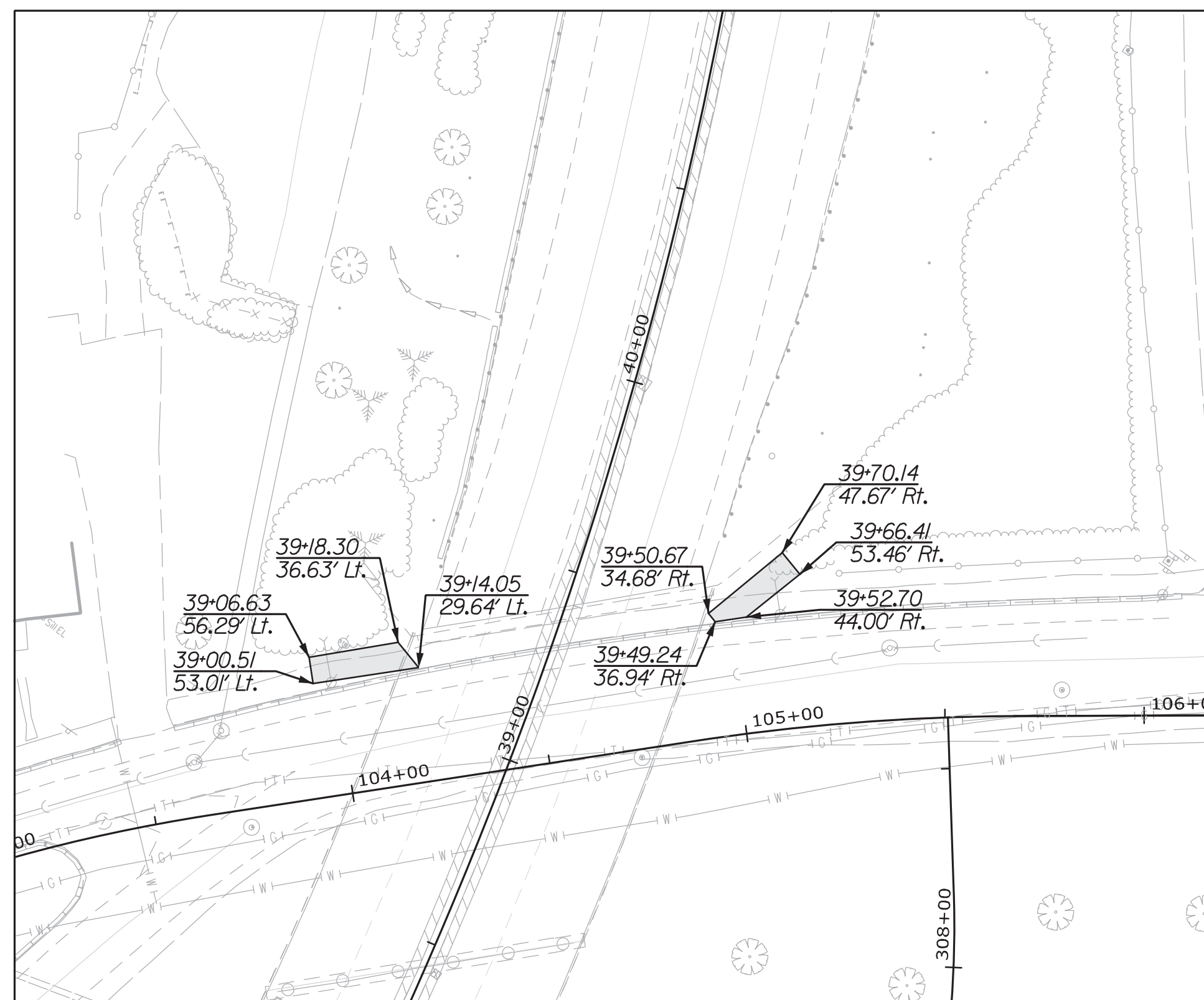
LEGEND:

-  EPS 22 Geofoam
-  Min. Limits of EPS 39 Geofoam

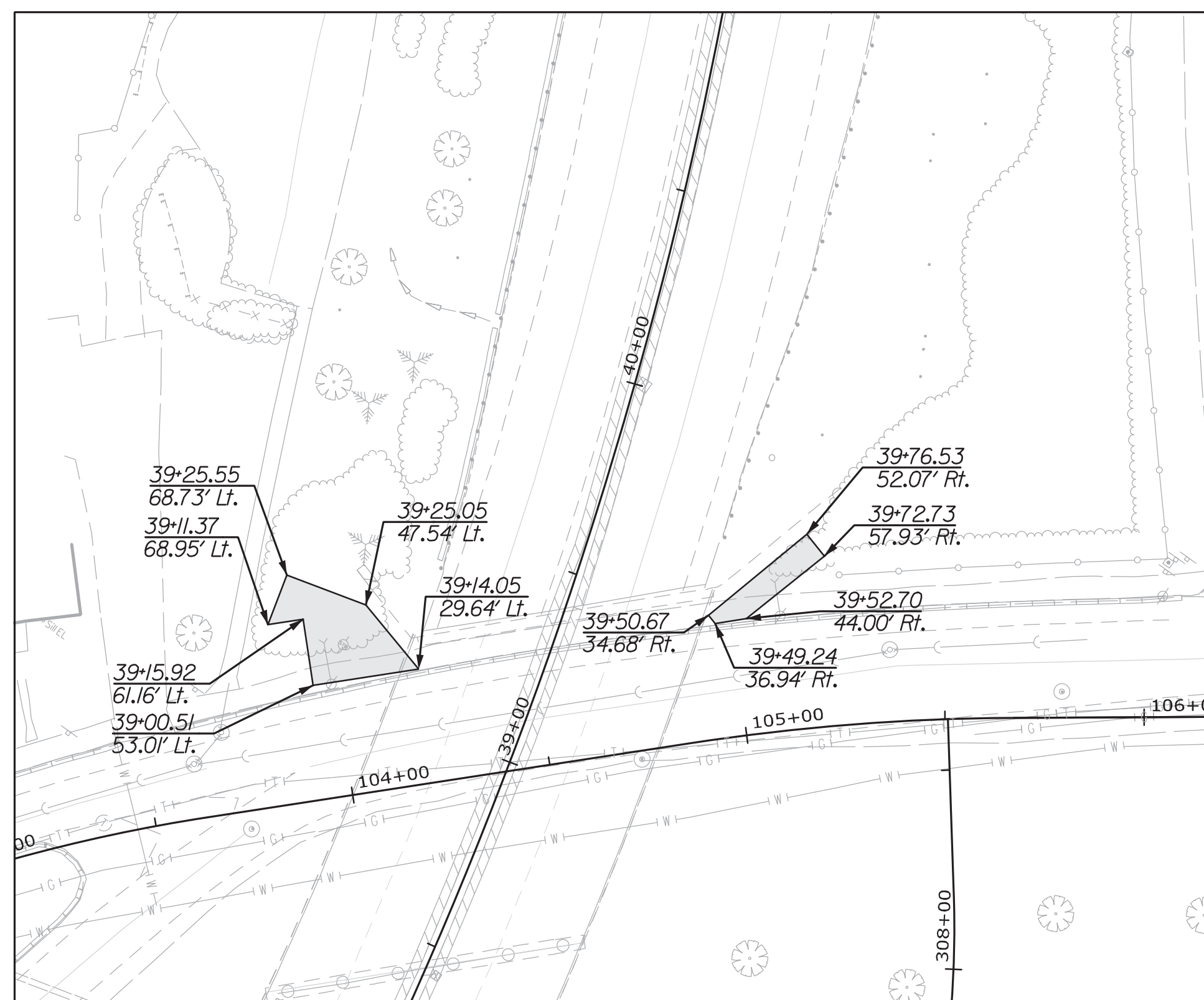
PLAN



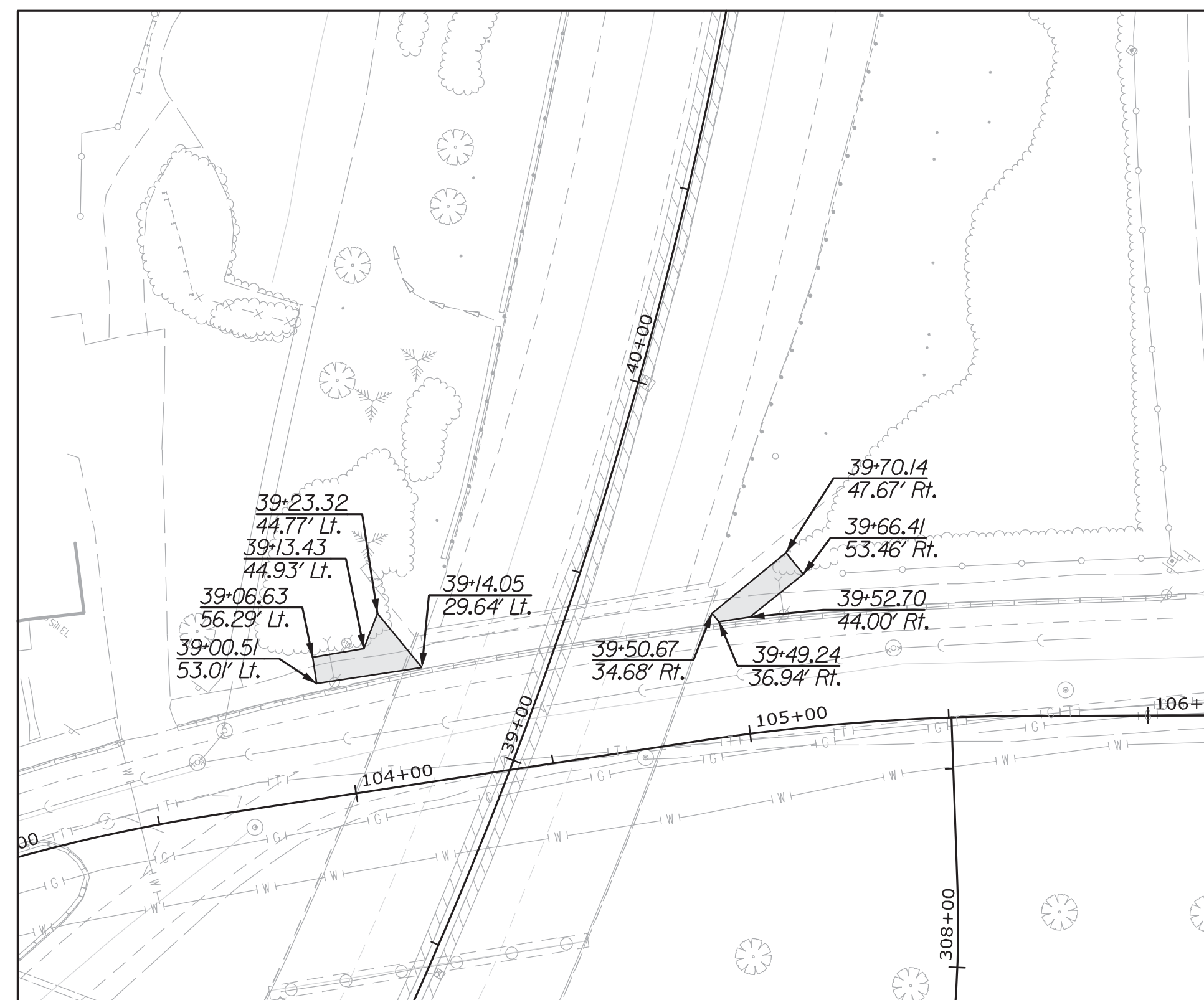
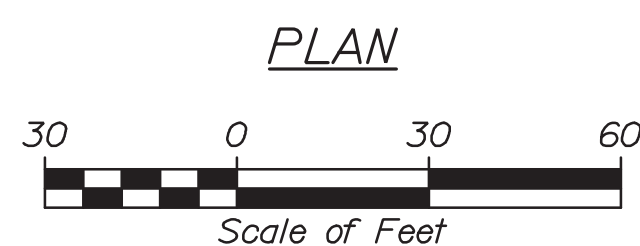
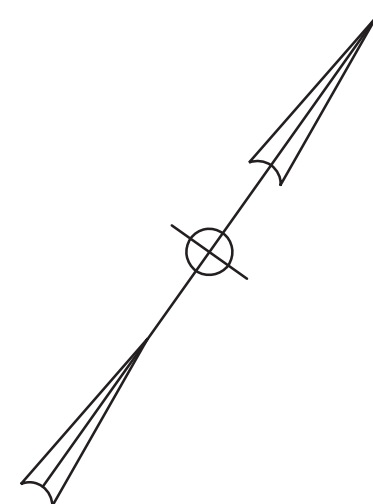
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER		D. EATON	BY	DATE
GEOFOAM LAYOUT PLAN SOUTH APPROACH 4				DESIGN-DETAILED	EDD		CDH	2/20
				CHECKED-REVIEWED	RWH		L2D	2/20
				DESIGN2-DETAILED2				
				DESIGN3-DETAILED3				
				REVISIONS 1				P.E. NUMBER
				REVISIONS 2				
				REVISIONS 3				
				REVISIONS 4				DATE
				FIELD CHANGES				
SHEET NUMBER				STATE OF MAINE DEPARTMENT OF TRANSPORTATION				
48				NHP-2174(500)				
OF 220				BRIDGE NO.5933 WIN 021745.00 BRIDGE PLANS				



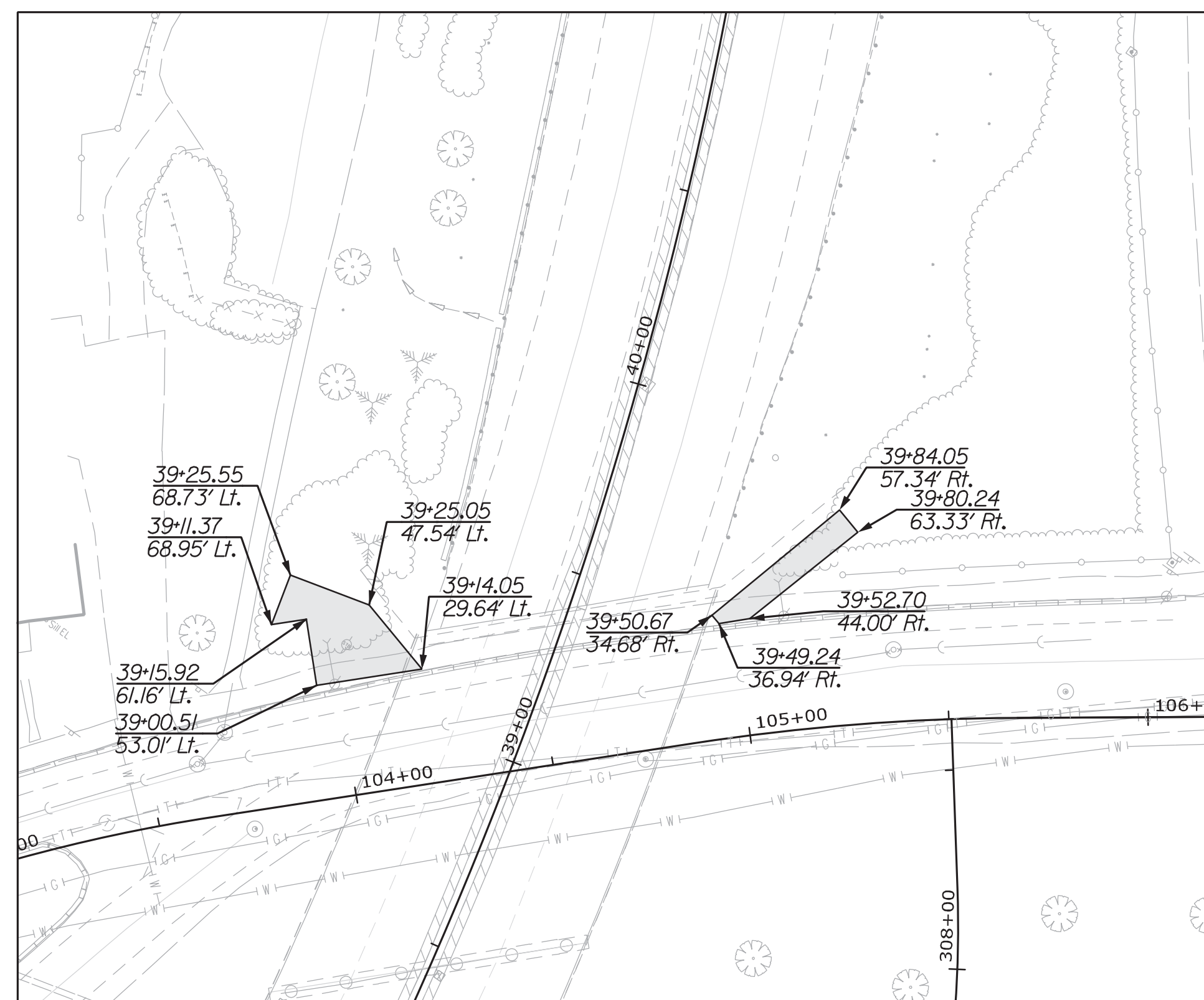
LAYER 1
BOTTOM ELEVATION - EL. 10
TOP ELEVATION - EL. 12



LAYER 3
BOTTOM ELEVATION - EL. 14
TOP ELEVATION - EL. 16



LAYER 2
BOTTOM ELEVATION - EL. 12
TOP ELEVATION - EL. 14



LAYER 4
BOTTOM ELEVATION - EL. 16
TOP ELEVATION - EL. 18

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILD	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZO	2/20
DESIGN-DETAILD2			
DESIGN-DETAILD3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
GEOFOAM LAYOUT PLAN
NORTH APPROACH 1

SHEET NUMBER

49

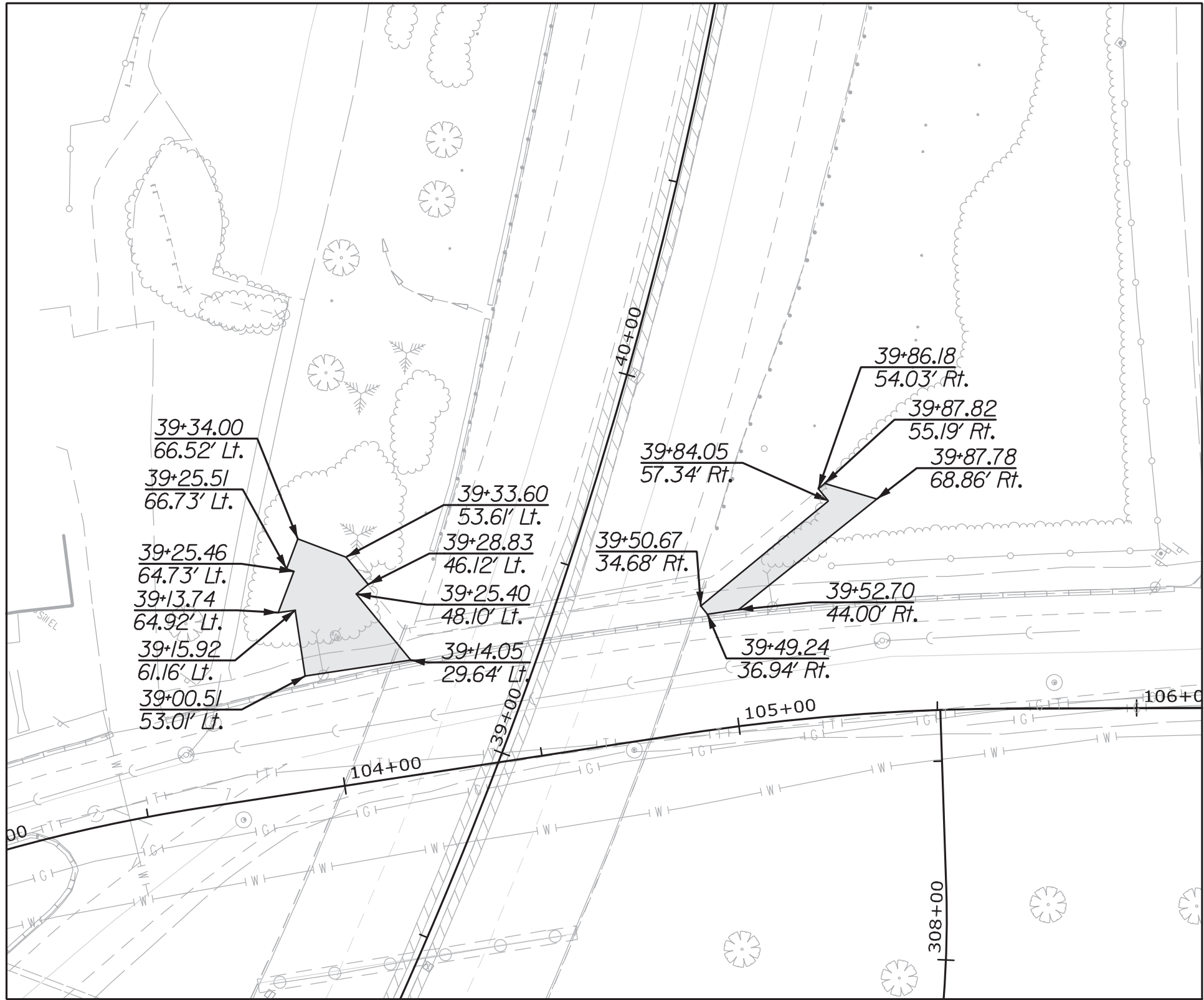
OF 220

Date:3/3/2020

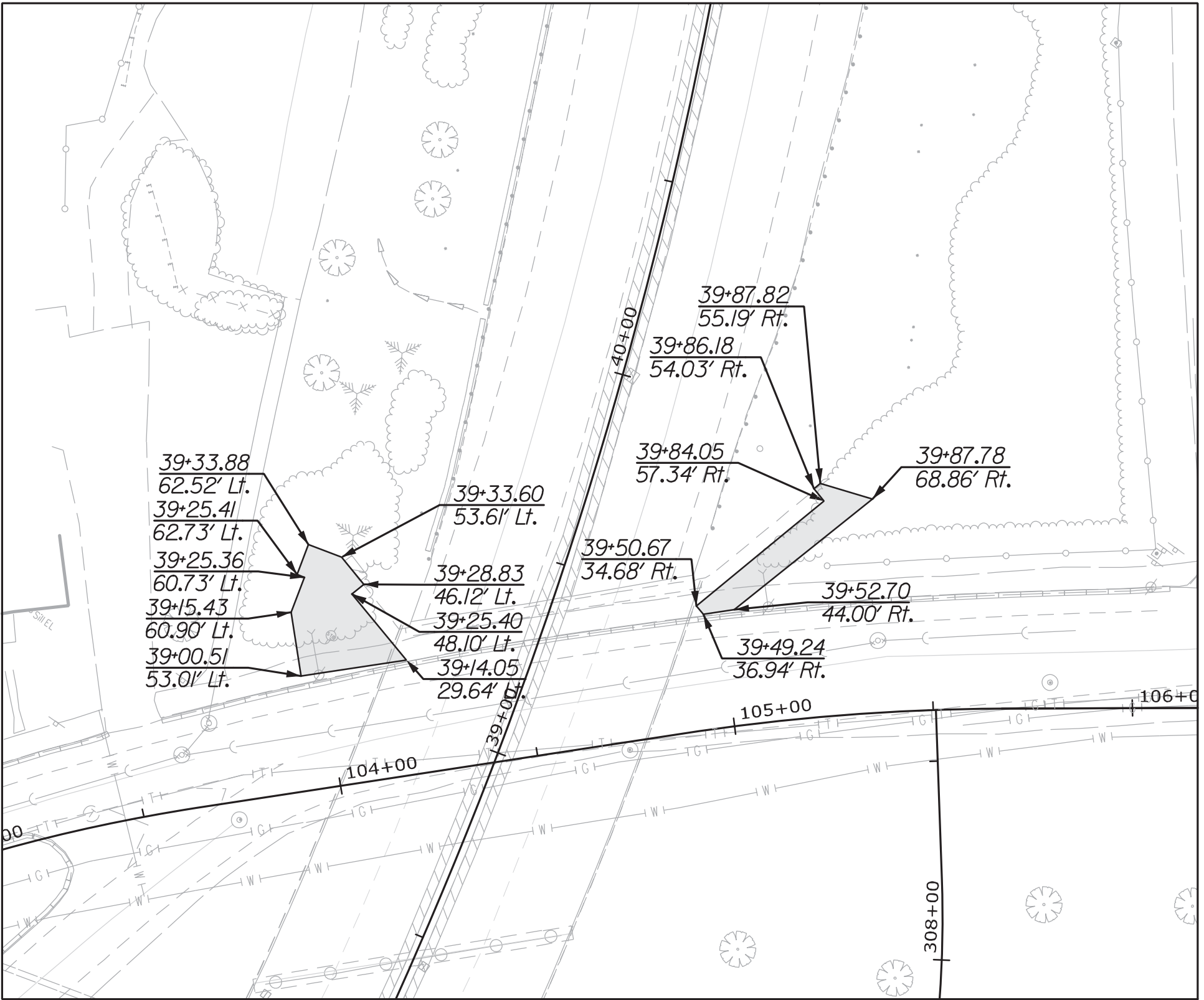
Username:

Division:

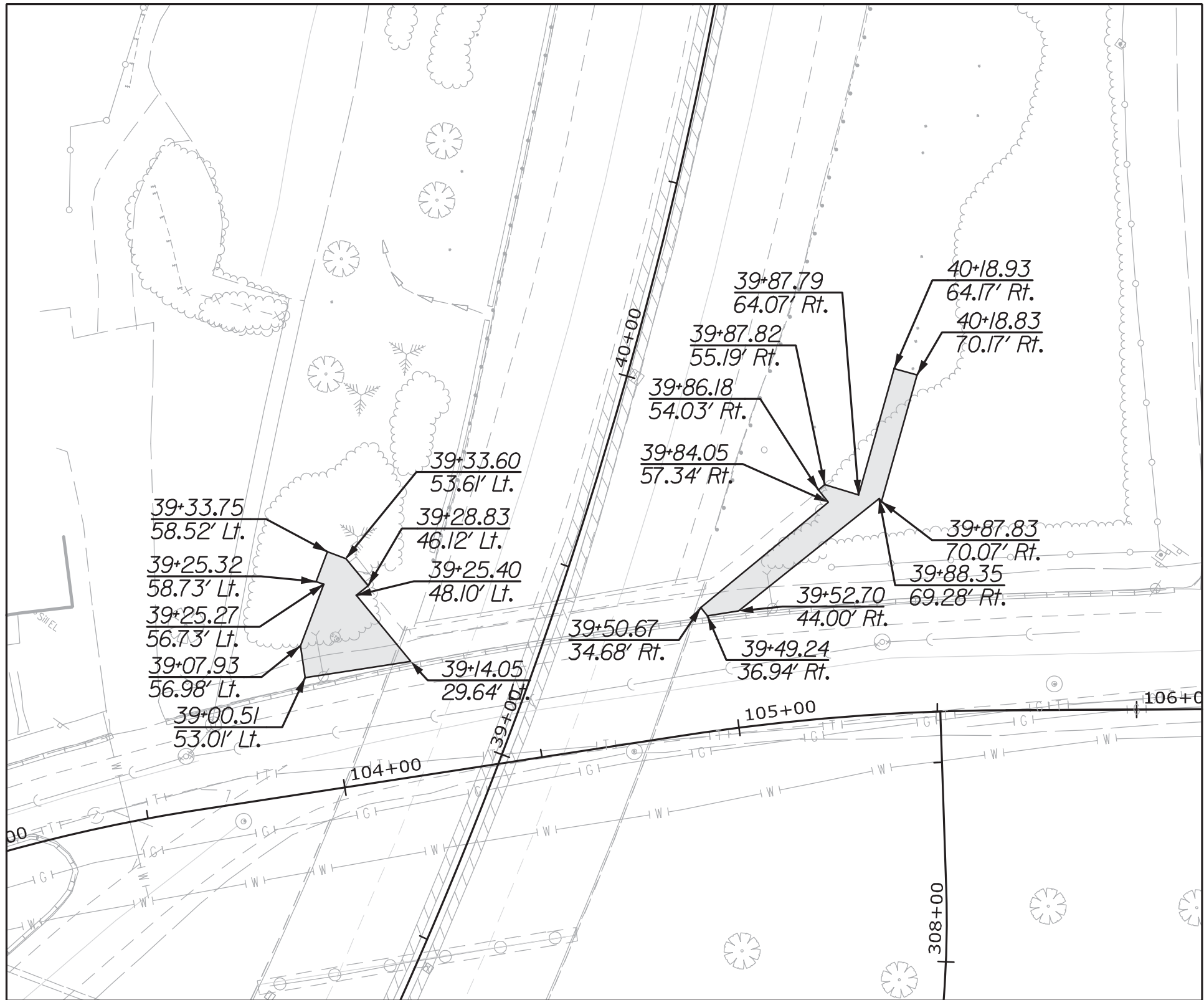
Filename: 050_GDP\lan_N02.dgn



LAYER 5
BOTTOM ELEVATION - EL. 18
TOP ELEVATION - EL. 20



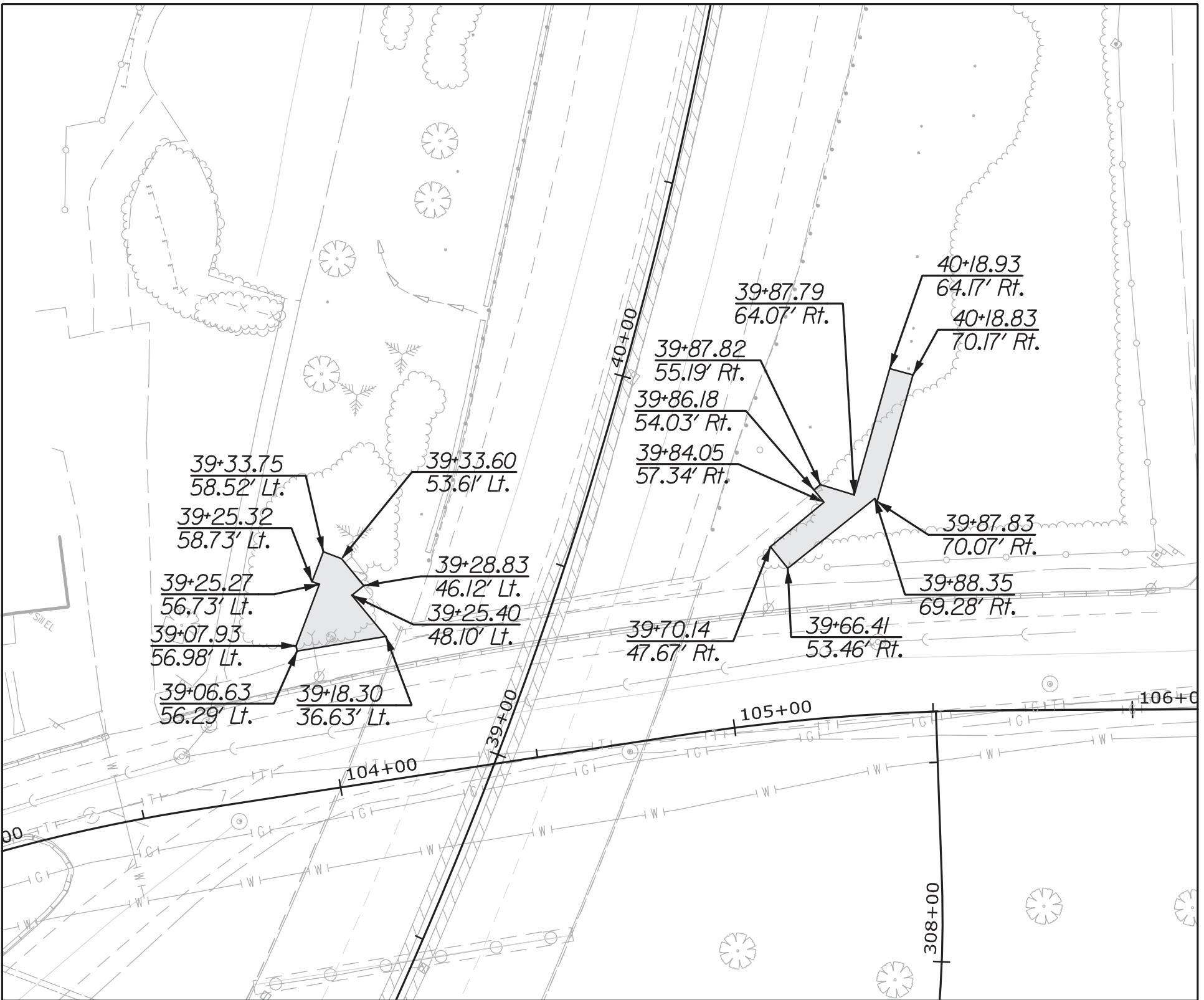
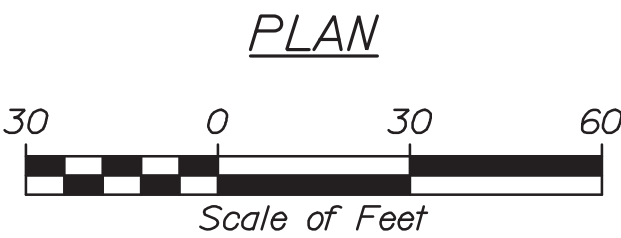
LAYER 6
BOTTOM ELEVATION - EL. 20
TOP ELEVATION - EL. 22



LAYER 7
BOTTOM ELEVATION - EL. 22
TOP ELEVATION - EL. 23

LEGEND:

- EPS 22 Geofoam
- Min. Limits of EPS 39 Geofoam



LAYER 8
BOTTOM ELEVATION - EL. 23
TOP ELEVATION - EL. 24



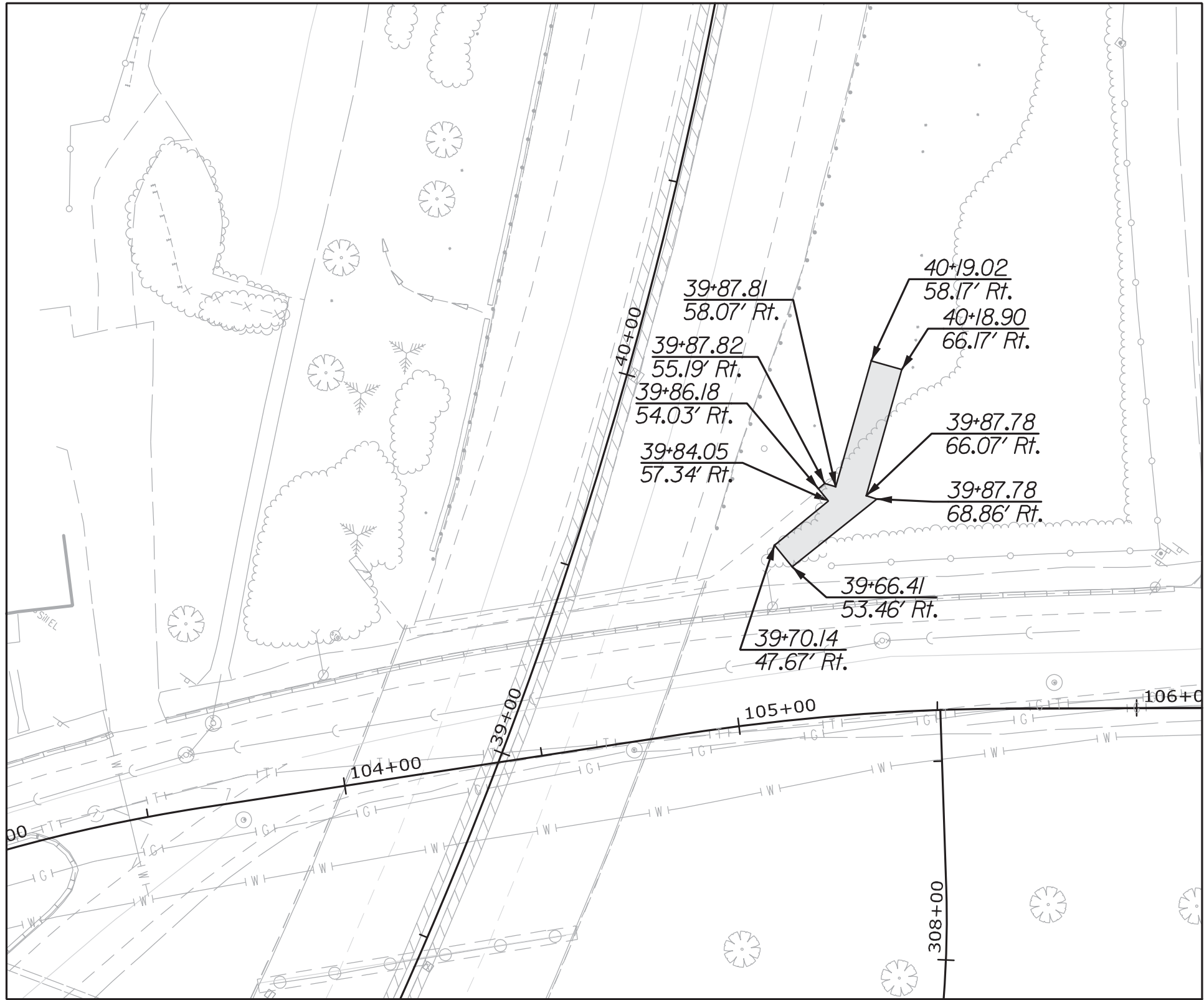
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN		021745.00	
INTERSTATE 295 OVER		VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		GEOFOAM LAYOUT PLAN		NORTH APPROACH 2	
PROJ. MANAGER		DESIGNED		CHECKED		DESIGNED		REVISIONS 1		REVISIONS 2	
D. EATON		LDD		CDH		LDD		REVISIONS 3		REVISIONS 4	
BY		DATE		SIGNATURE		P.E. NUMBER		DATE		FIELD CHANGES	
2/20		2/20									
SHEET NUMBER		50		OF 220							

Date: 3/3/2020

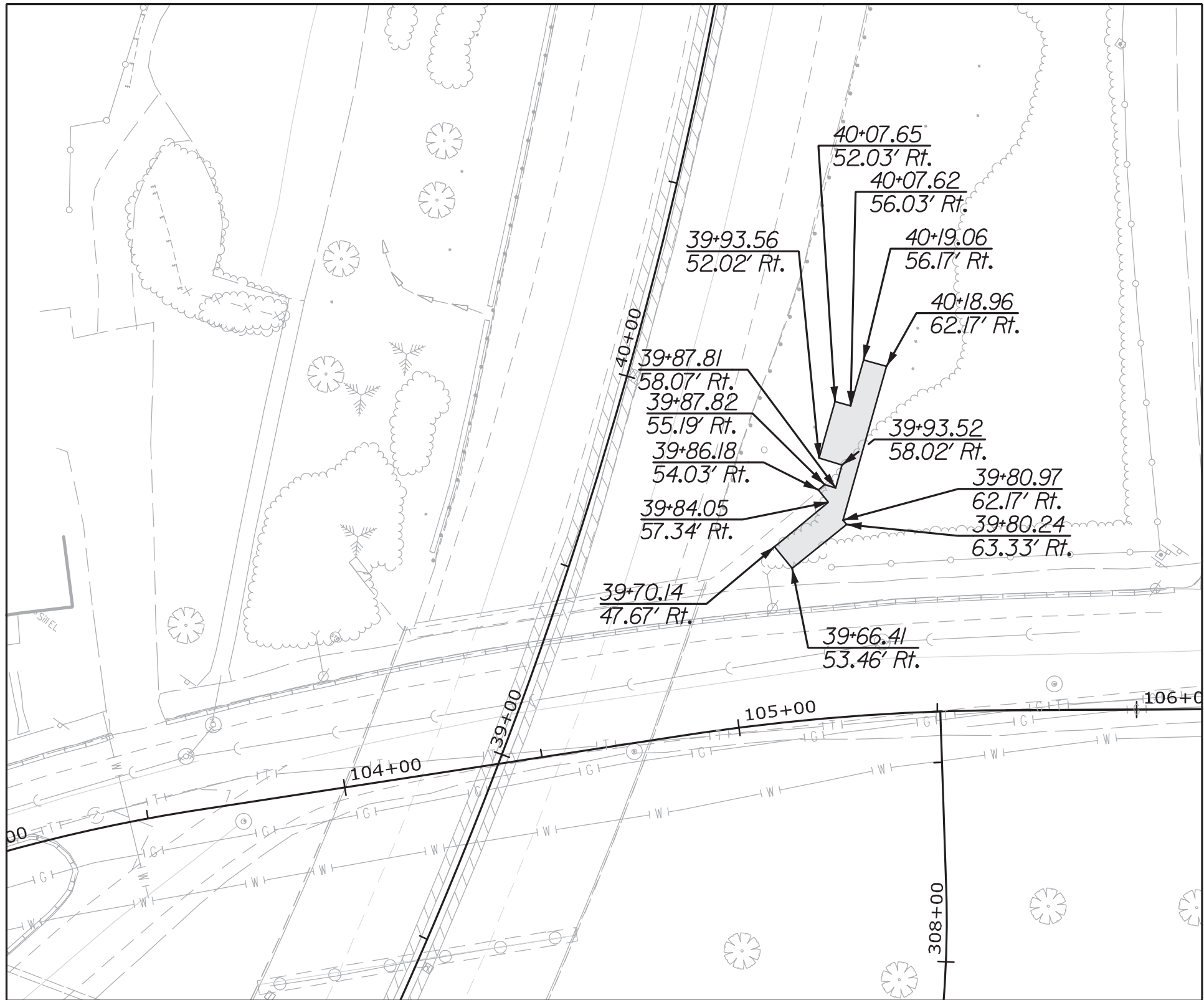
Username:

Division:

Filename: 051_GDPlan_N03.dgn

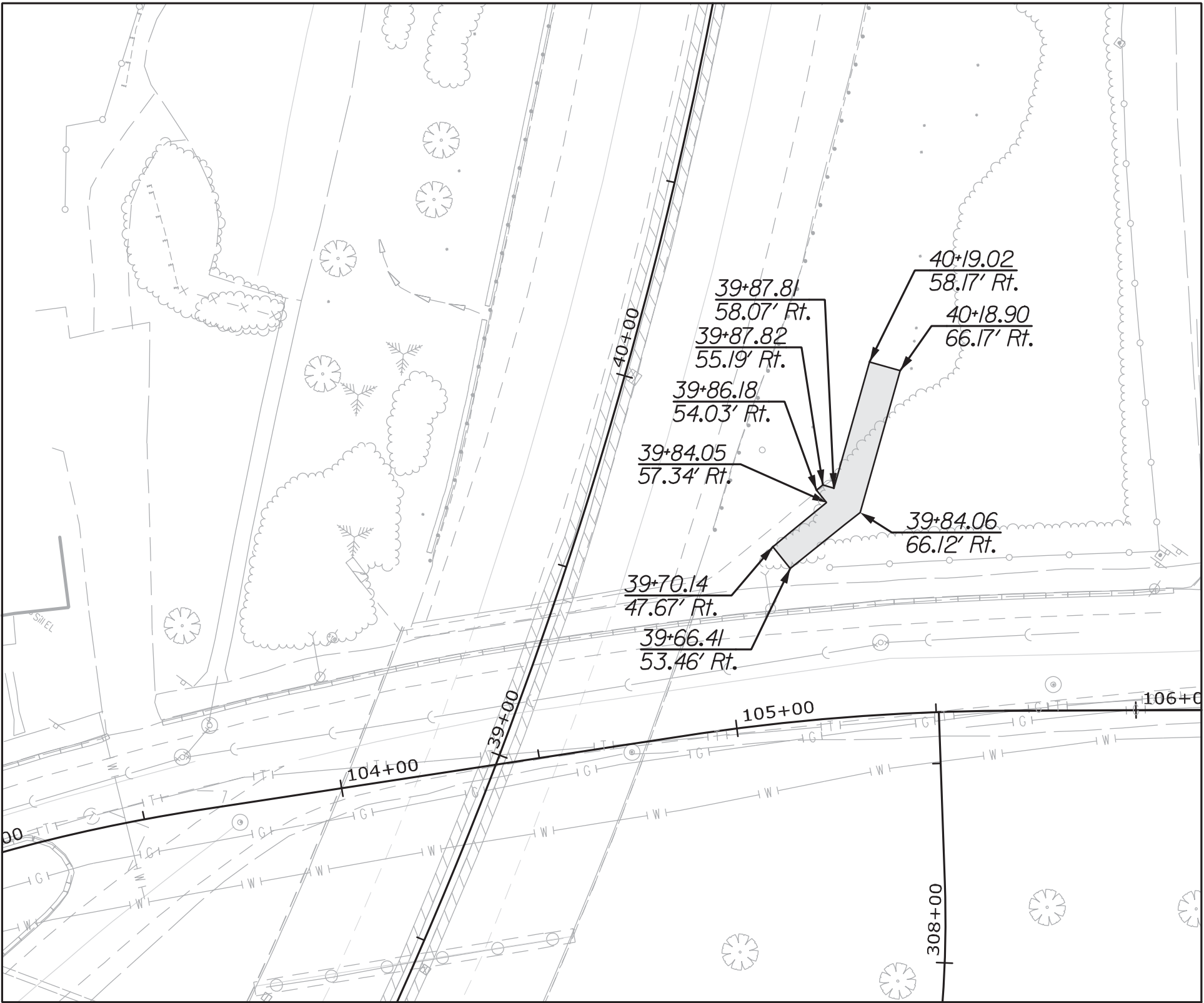
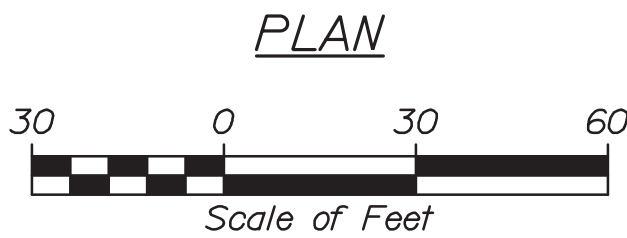


LAYER 9
BOTTOM ELEVATION - EL. 24
TOP ELEVATION - EL. 25

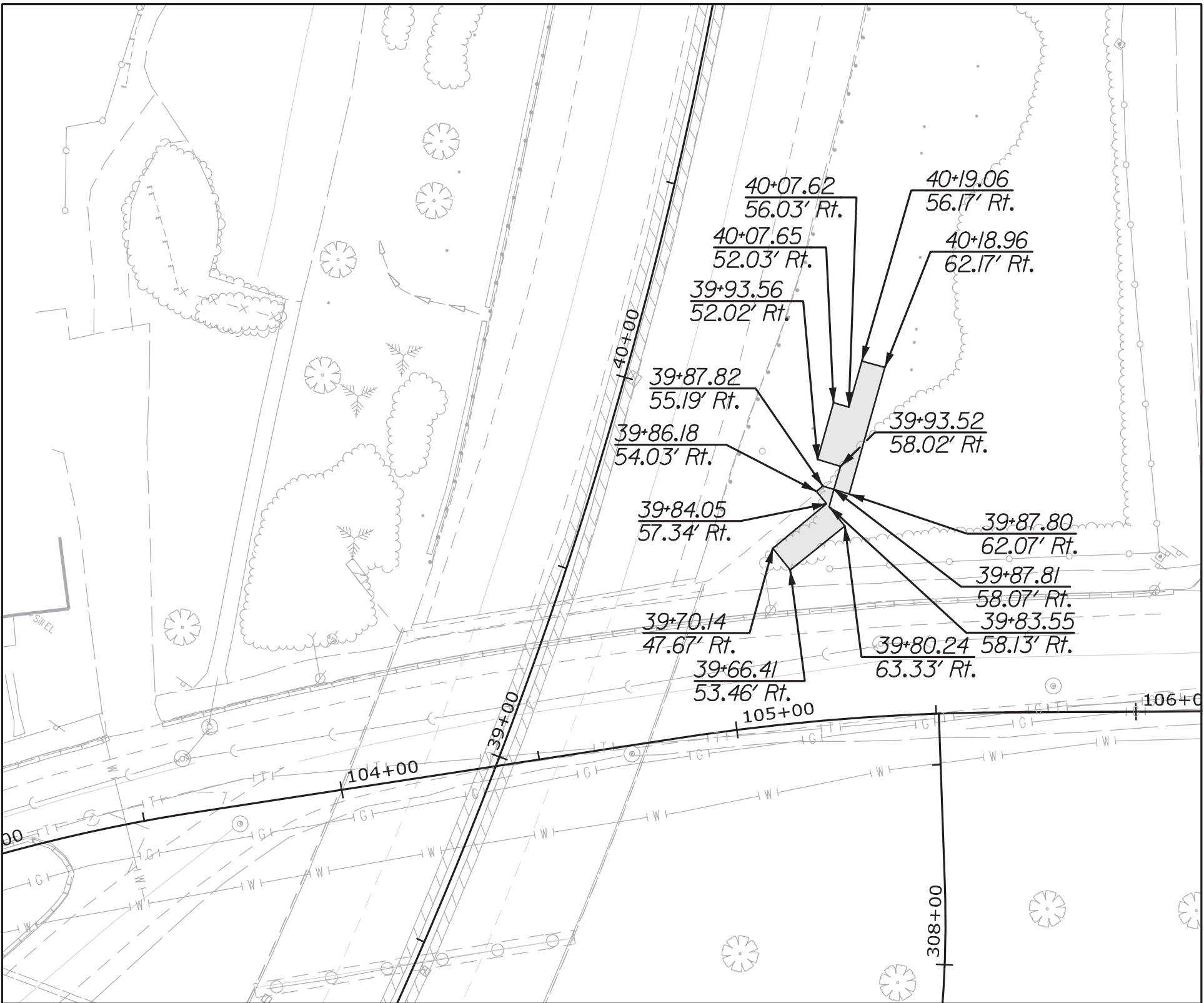


LAYER 11
BOTTOM ELEVATION - EL. 26
TOP ELEVATION - EL. 27

- LEGEND:
- EPS 22 Geofoam
 - Min. Limits of EPS 39 Geofoam



LAYER 10
BOTTOM ELEVATION - EL. 25
TOP ELEVATION - EL. 26



LAYER 12
BOTTOM ELEVATION - EL. 27
TOP ELEVATION - EL. 28



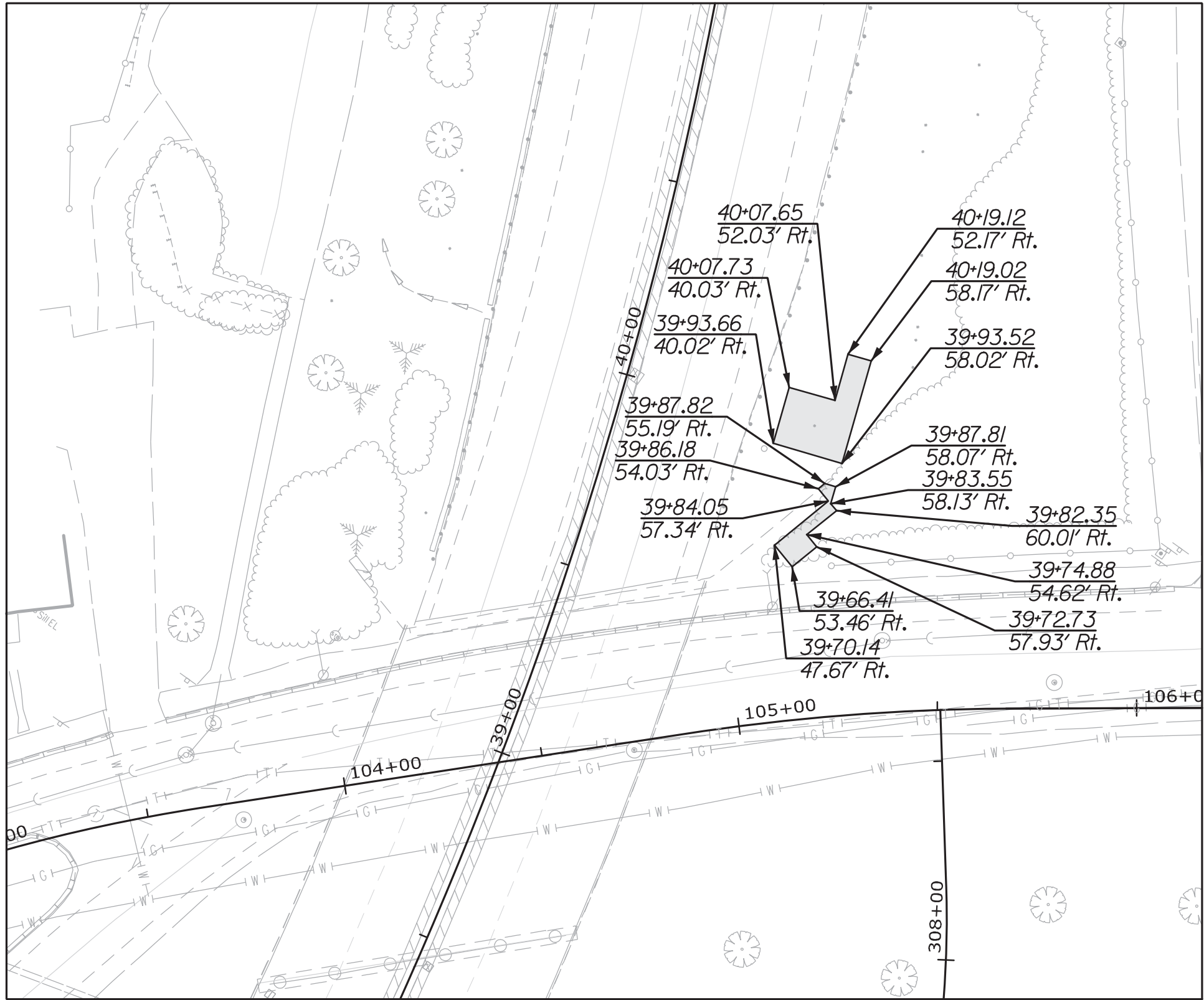
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION							
GEOFOAM LAYOUT PLAN NORTH APPROACH 3				DESIGN-DETAILED		EDD		ODH		2/20		SIGNATURE							
				CHECKED-REVIEWED		RWH		LZO		2/20									
				DESIGN2-DETAILED2															
				DESIGN3-DETAILED3															
				REVISIONS 1															
				REVISIONS 2								P.E. NUMBER							
				REVISIONS 3															
				REVISIONS 4															
				REVISIONS 5															
				REVISIONS 6															
				FIELD CHANGES								DATE							
SHEET NUMBER												BRIDGE NO 5933		WIN		021745.00		BRIDGE PLANS	
51																			
OF 220																			

Date:3/3/2020

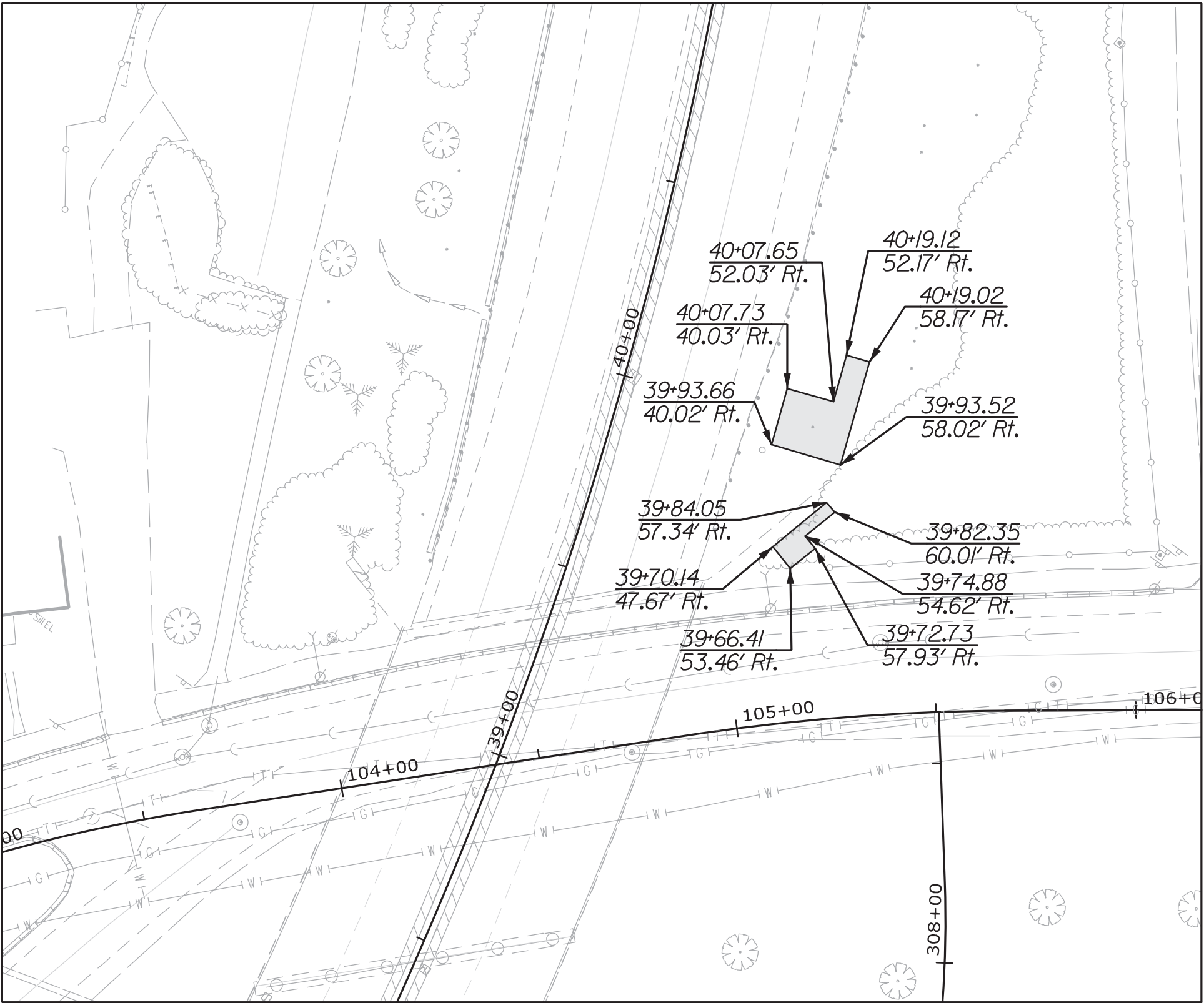
Username:

Division:

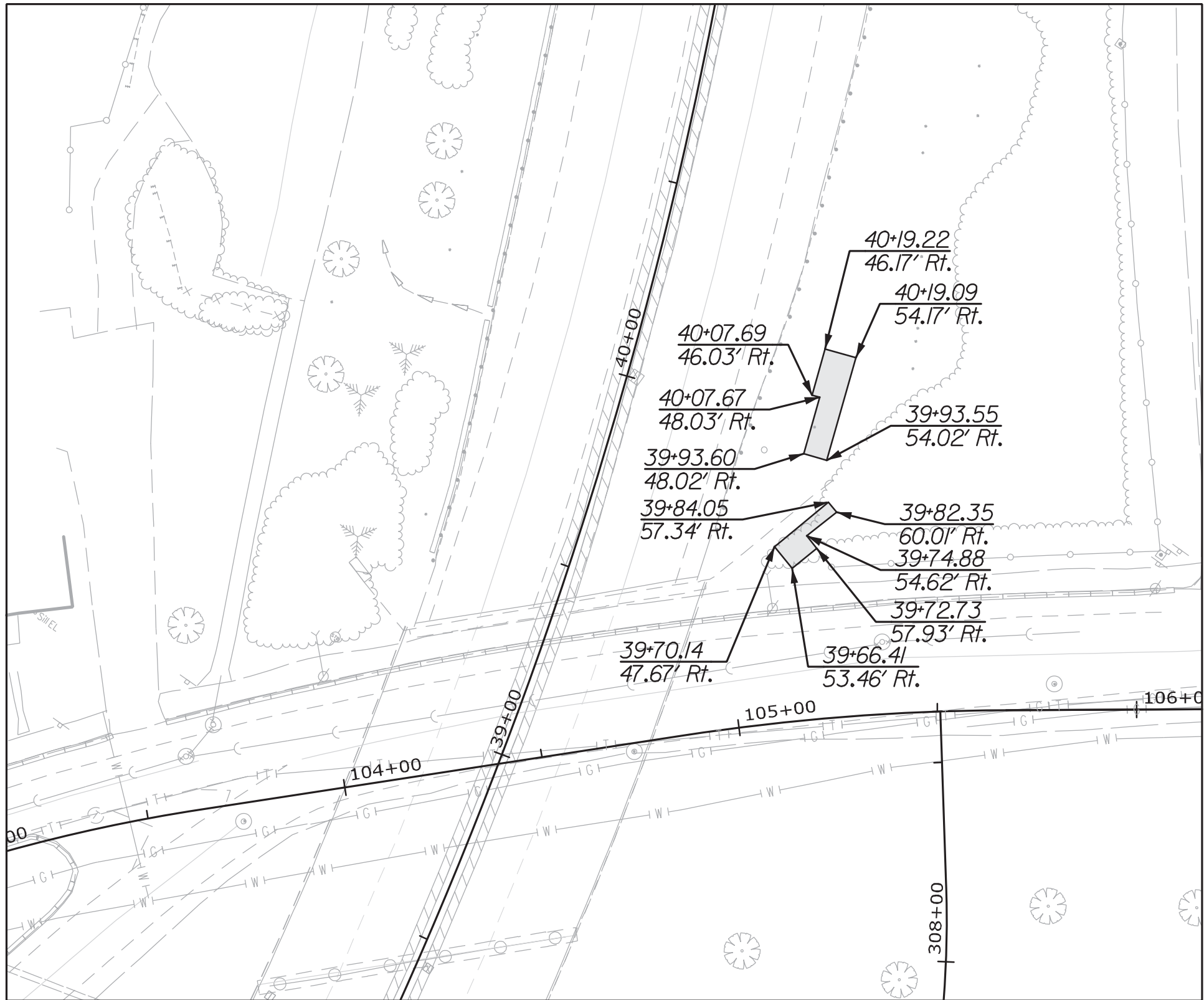
Filename: 052_GDP\plan_N04.dgn



LAYER 13
BOTTOM ELEVATION - EL. 28
TOP ELEVATION - EL. 29

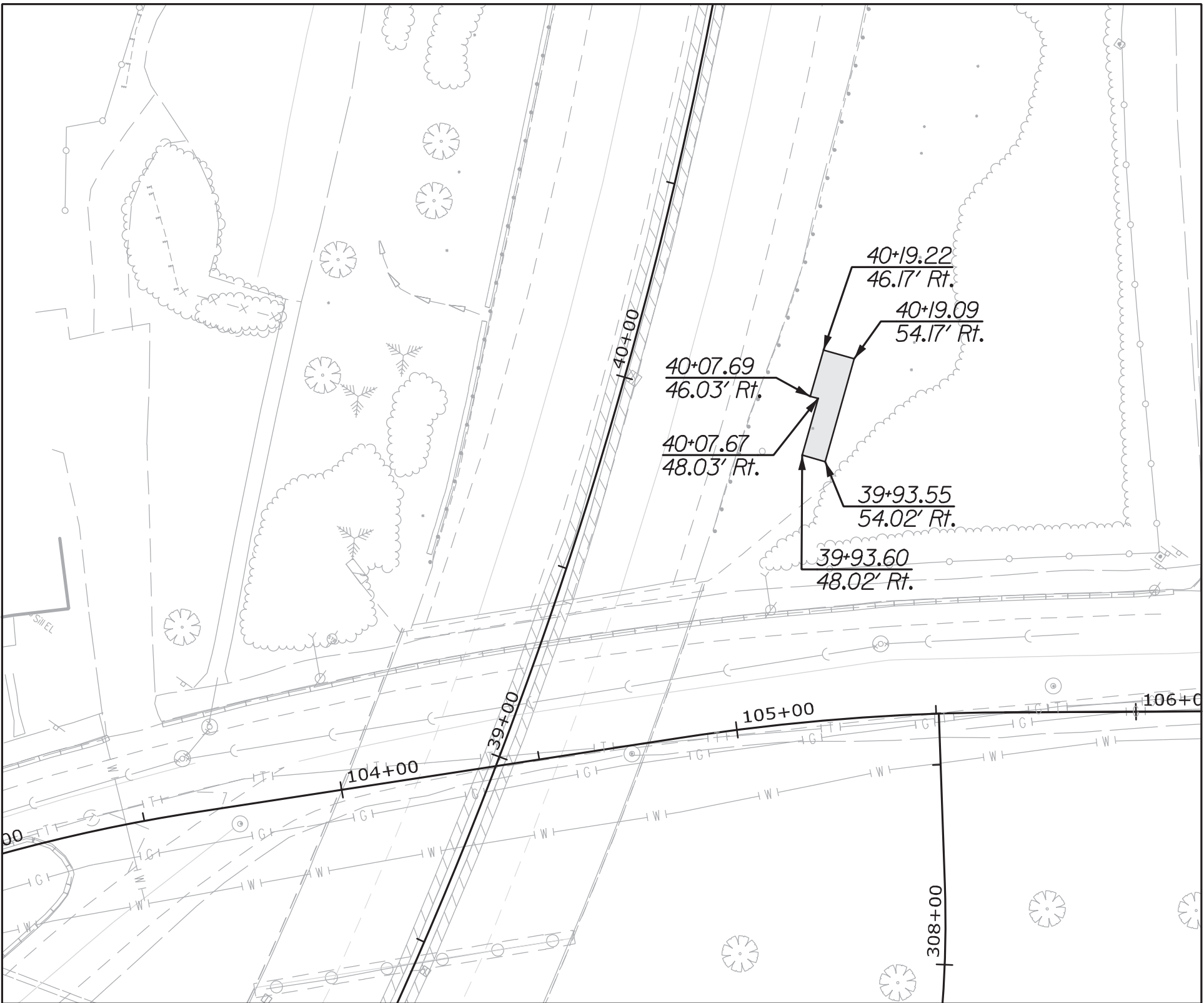
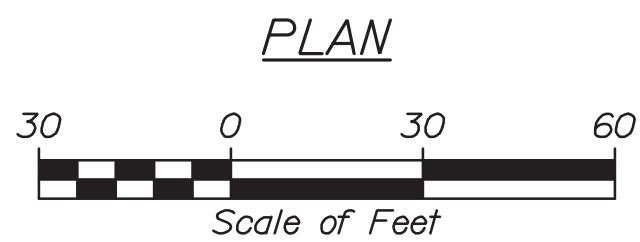


LAYER 14
BOTTOM ELEVATION - EL. 29
TOP ELEVATION - EL. 30



LAYER 15
BOTTOM ELEVATION - EL. 30
TOP ELEVATION - EL. 31

- LEGEND:**
- EPS 22 Geofoam
 - Min. Limits of EPS 39 Geofoam



LAYER 16
BOTTOM ELEVATION - EL. 31
TOP ELEVATION - EL. 32



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		WIN		021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER		VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		GEOFOAM LAYOUT PLAN		NORTH APPROACH 4	
PROJ. MANAGER		DESIGNED-Detailed		EDD		BY		DATE		SIGNATURE	
CHECKED-Reviewed		RWI		LTD		DATE		P.E. NUMBER		DATE	
DESIGNED-Detailed		RWI		LTD		DATE		P.E. NUMBER		DATE	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		FIELD CHANGES			
SHEET NUMBER		52		OF 220							

Date:3/3/2020

Username:

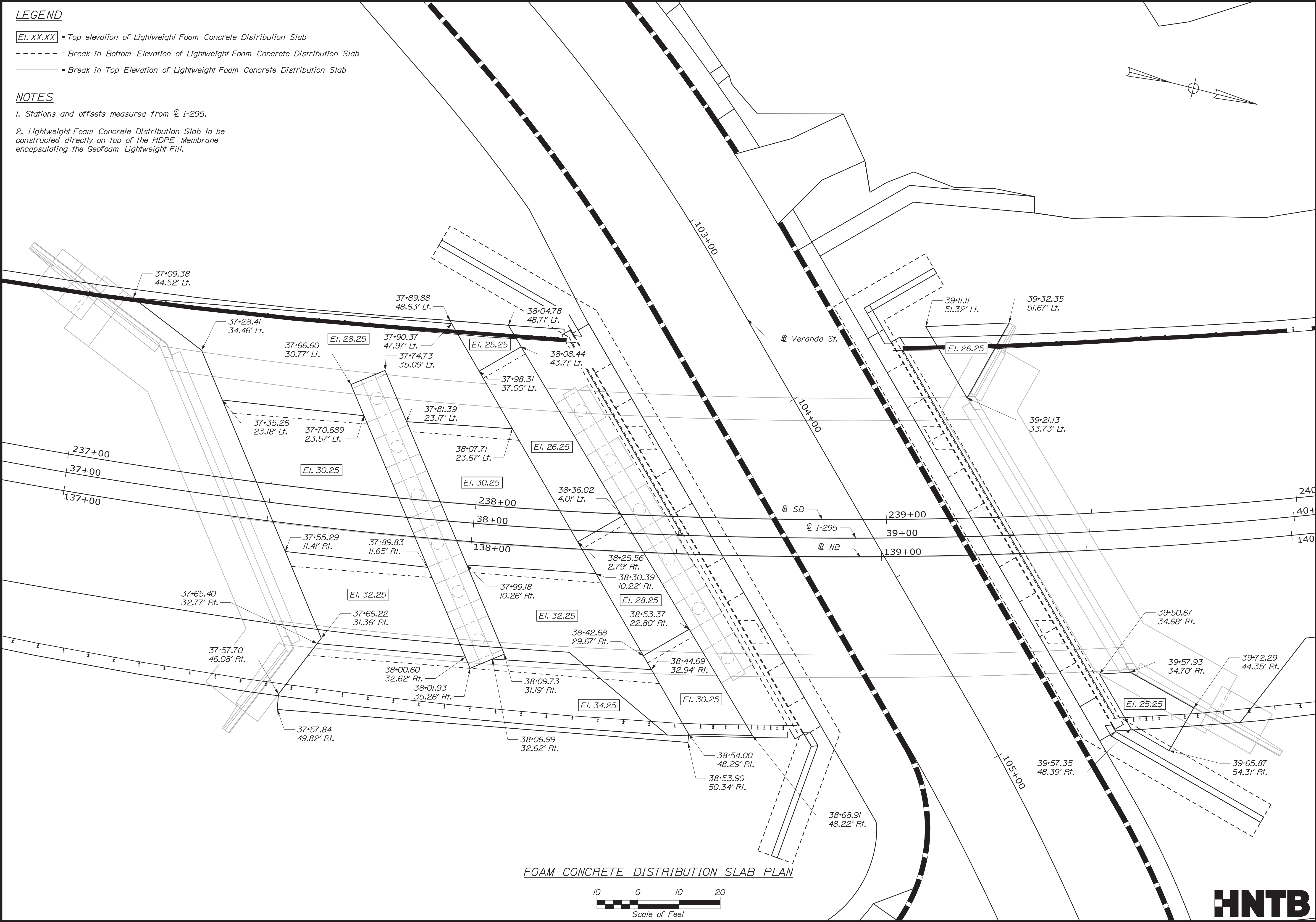
Filename: 053_Foam Concrete Distribution Slab.dwgDivision:

LEGEND

- El. XX.XX = Top elevation of Lightweight Foam Concrete Distribution Slab
- = Break in Bottom Elevation of Lightweight Foam Concrete Distribution Slab
- = Break in Top Elevation of Lightweight Foam Concrete Distribution Slab

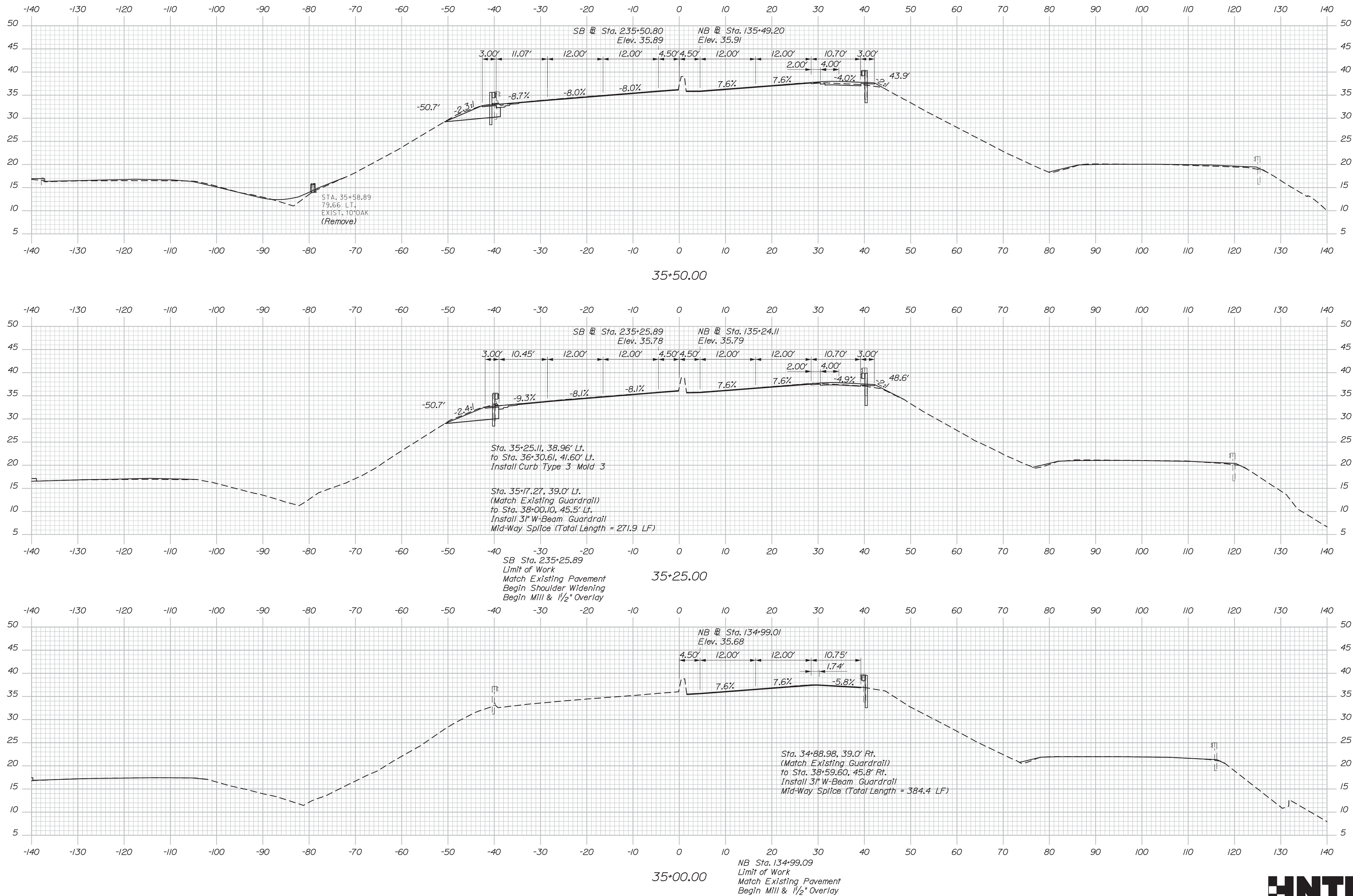
NOTES

1. Stations and offsets measured from $\varnothing$ I-295.
2. Lightweight Foam Concrete Distribution Slab to be constructed directly on top of the HDPE Membrane encapsulating the Geofoam Lightweight Fill.



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		LIGHTWEIGHT FOAM CONCRETE DISTRIBUTION SLAB PLAN		SHEET NUMBER		53 OF 220	
PROJ. MANAGER	DESIGN-DETAILED	CHKD-REVIEWED	TIP	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES	D. EATON	DATE
BY	ERB	TRC									
SIGNATURE										P.E. NUMBER	
DATE											

Filename: Xsect_295.dgn



HNTB

Sta. 35+00.00 to Sta. 35+50.00

BRIDGE NO. 5933	WIN	BRIDGE PLANS
NHPP-2174(500)		
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		

	INTERSTATE 295 OVER VERANDA STREET					
	PORTLAND CUMBERLAND COUNTY					
	CROSS SECTIONS I 295					
		PROJ. MANAGER	D. EATON	BY	DATE	
		DESIGN-DETAILS	EEO	CJH	2X20	
		CHECKED-REVIEWED	RWH	LZO	2X20	SIGNATURE
		DESIGN DETAIL NO.				
		DESIGNS DETAIL NOS				P.E. NUMBER
		REVISONS 1				
		REVISONS 2				
		REVISONS 3				
		REVISONS 4				DATE
		FIELD CHANGES				

SHEET NUMBER

54

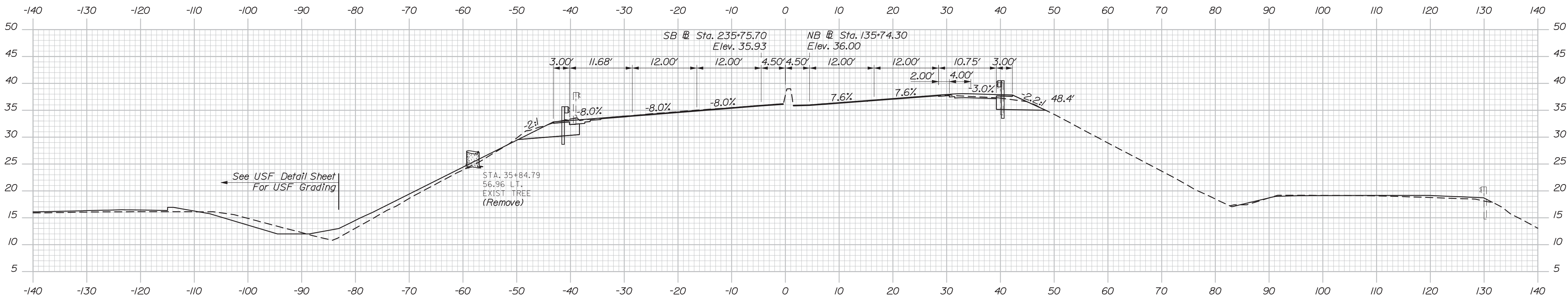
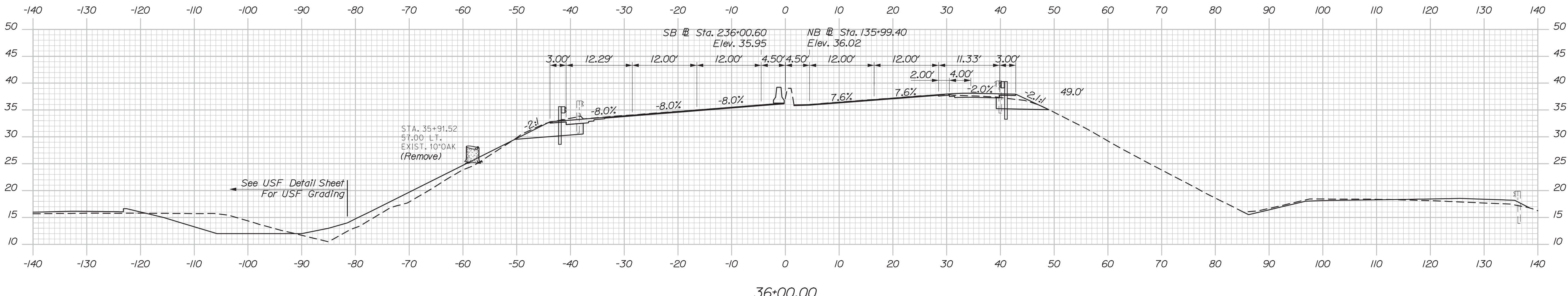
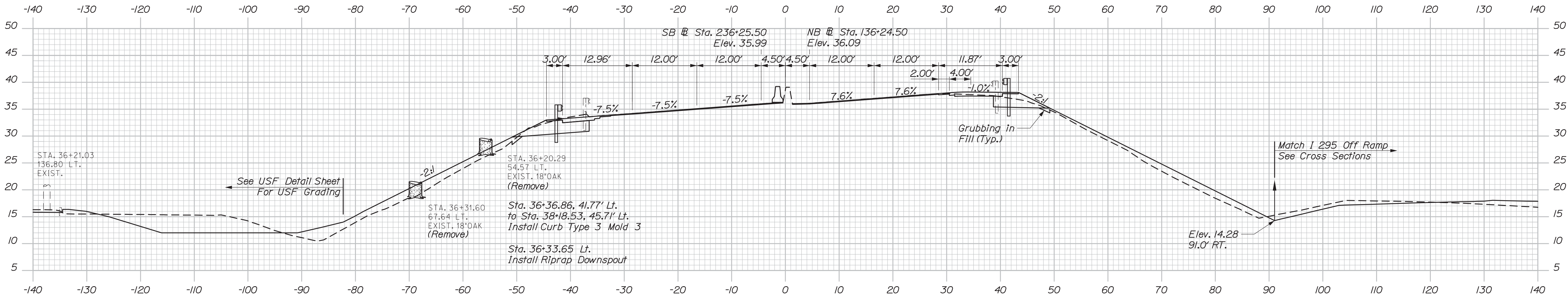
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_295.dgn



NB Sta. 135+74.30
Begin Shoulder Widening



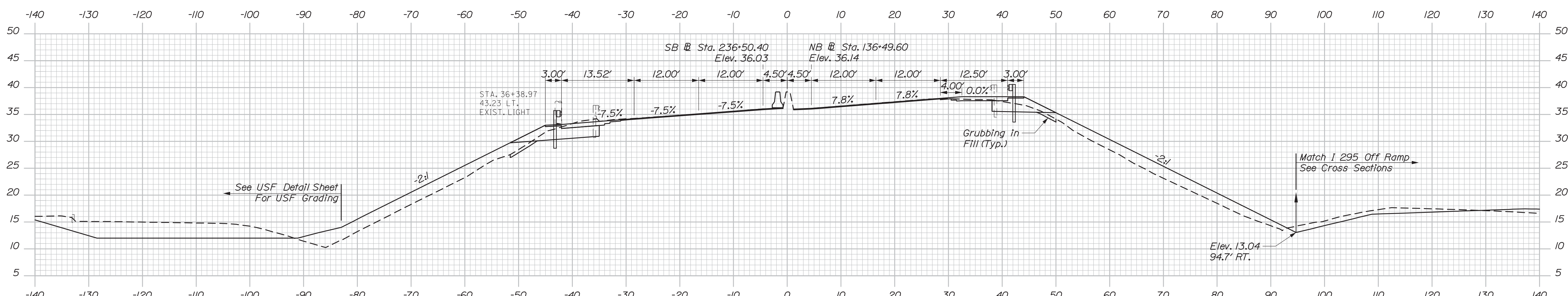
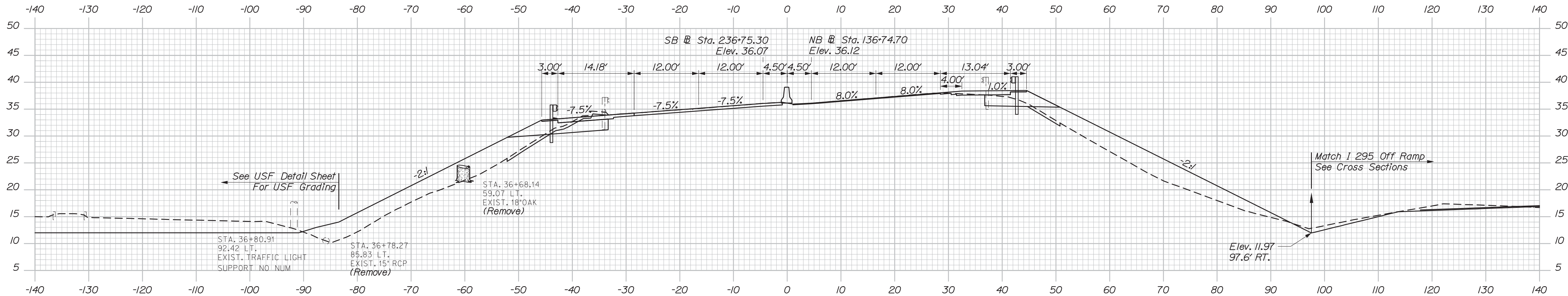
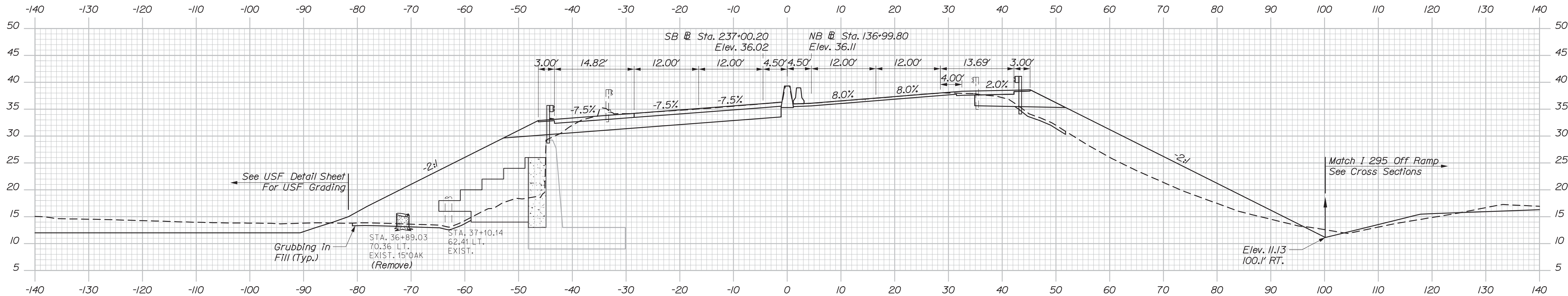
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		CROSS SECTIONS I 295		SHEET NUMBER 55 OF 220	
PROJ. MANAGER	DESIGN-DETAILED	EDD	BY	DATE	
CHECKED-REVIEWED	RWH	LD	CDH	2/20	
DESIGN-DETAILED			LTD	2/20	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Date:3/3/2020

Username:

Division:

Filename: Xsect_295.dgn



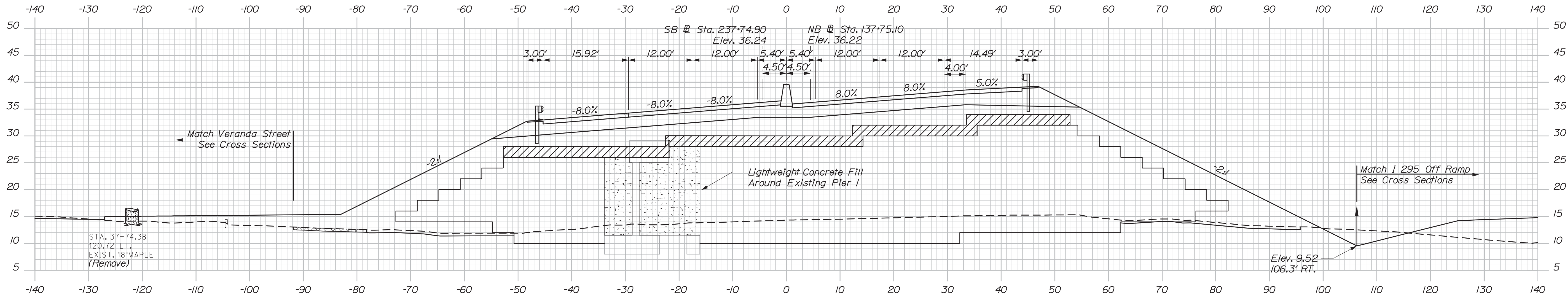
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
	LEDD	CDH	2/20	LJD	2/20			
	DESIGN-DETAILED	DESIGN-REVIEWED						
	REVISIONS 1	REVISIONS 2						
	REVISIONS 3	REVISIONS 4						
	FIELD CHANGES							

Date: 3/3/2020

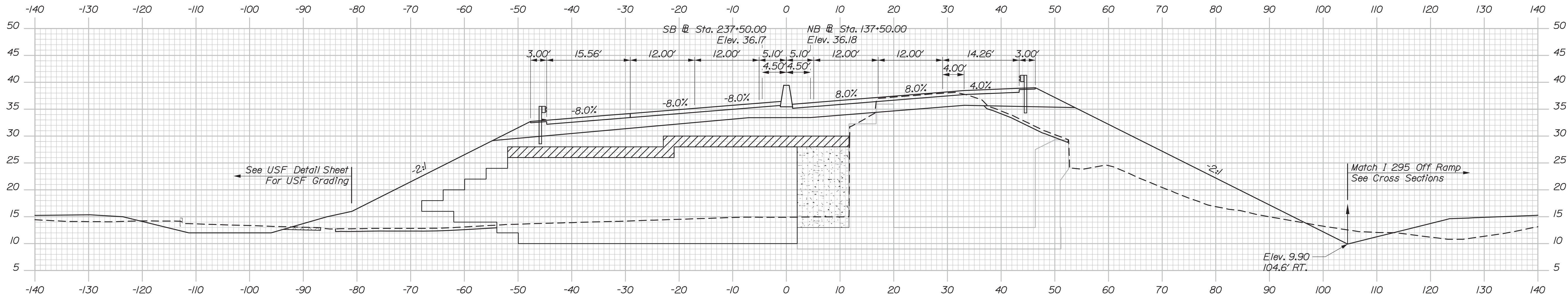
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Division:

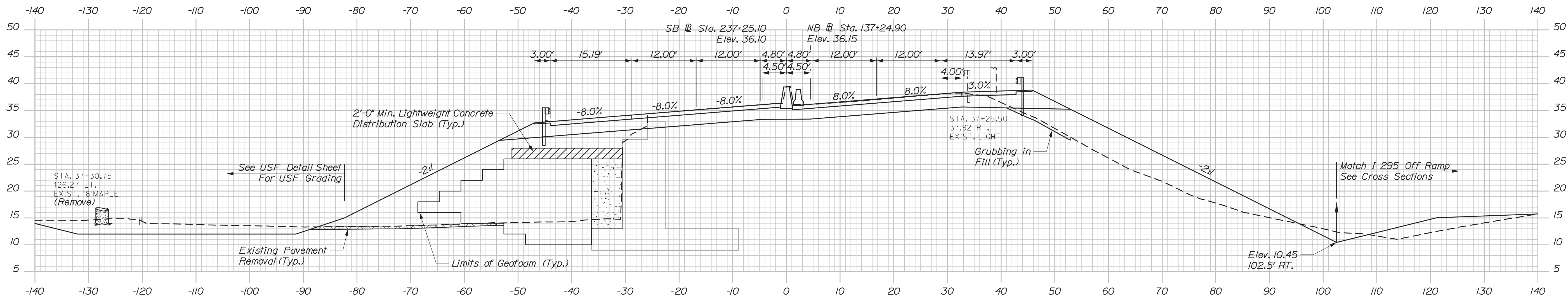
Filename: Xsect_295.dgn



37+75.00



37+50.00



37+25.00

NB Sta. 137+25.00
End Shoulder Widening
End Mill & 6" Overlay
Begin Full Depth Construction

HNTB

PROJ. MANAGER	CHECKED	DESIGNED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
D. EATON	EDD	EDD	2/20	CDH	2/20			
	REVIEWED	REVIEWED		LTD				
	DESIGNED	DESIGNED						
	REVISIONS 1	REVISIONS 1						
	REVISIONS 2	REVISIONS 2						
	REVISIONS 3	REVISIONS 3						
	REVISIONS 4	REVISIONS 4						
	FIELD CHANGES	FIELD CHANGES						

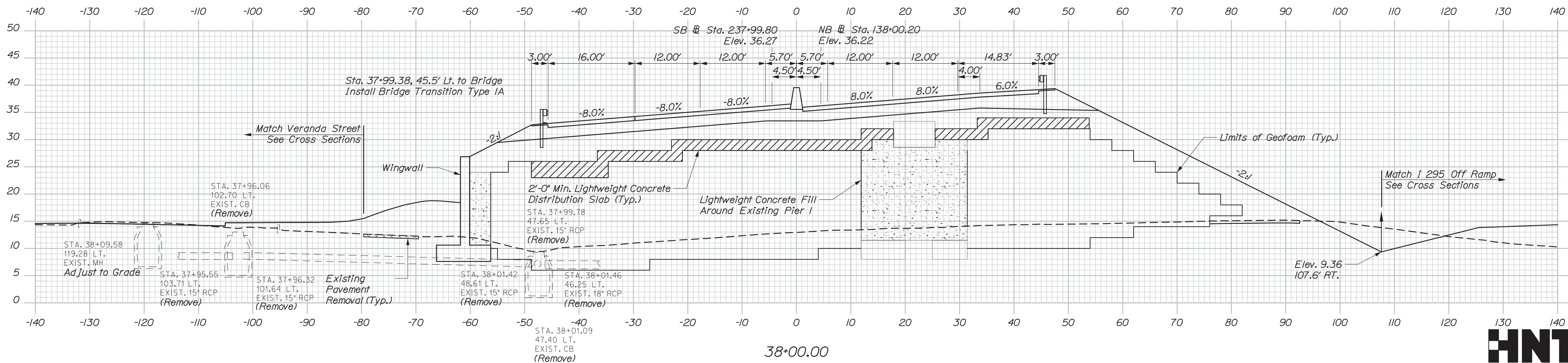
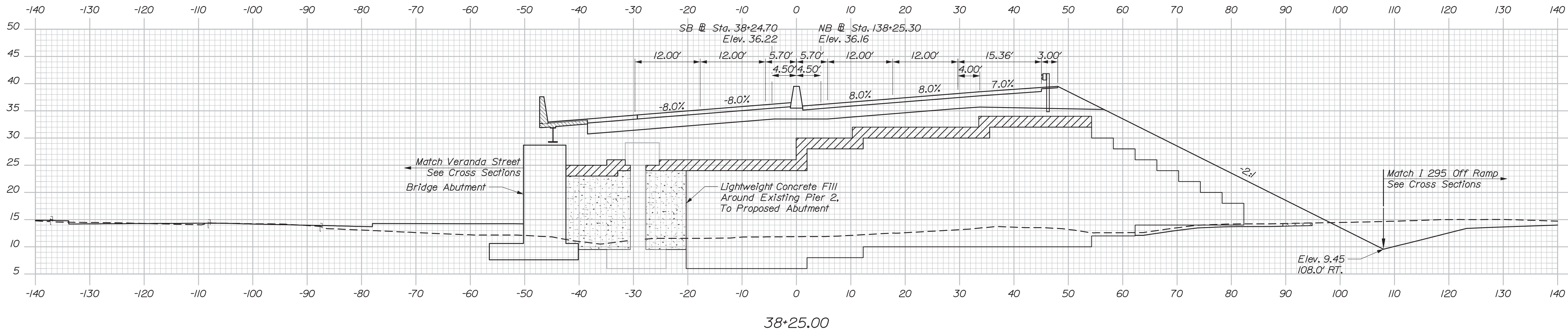
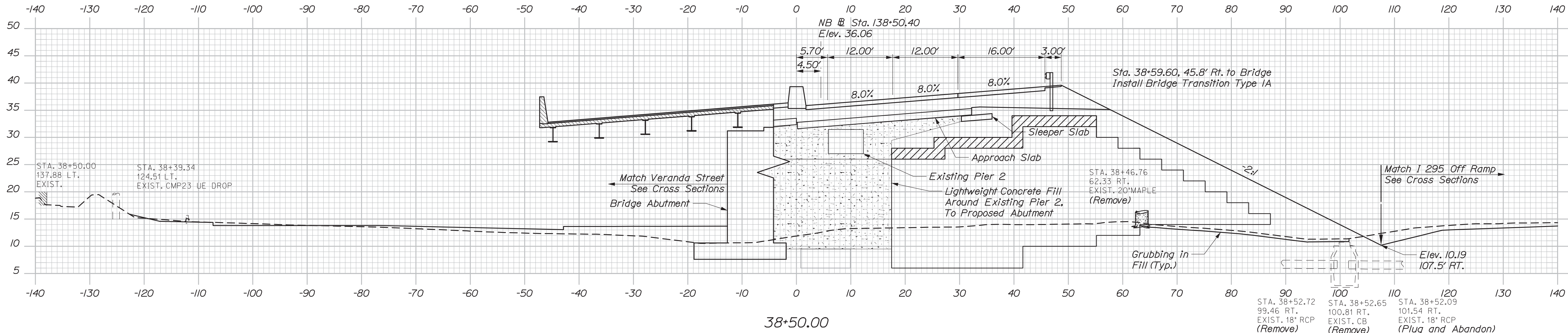
INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
I 295

Date: 3/3/2020

Username:

Division:

Filename: Xsect_295.dgn



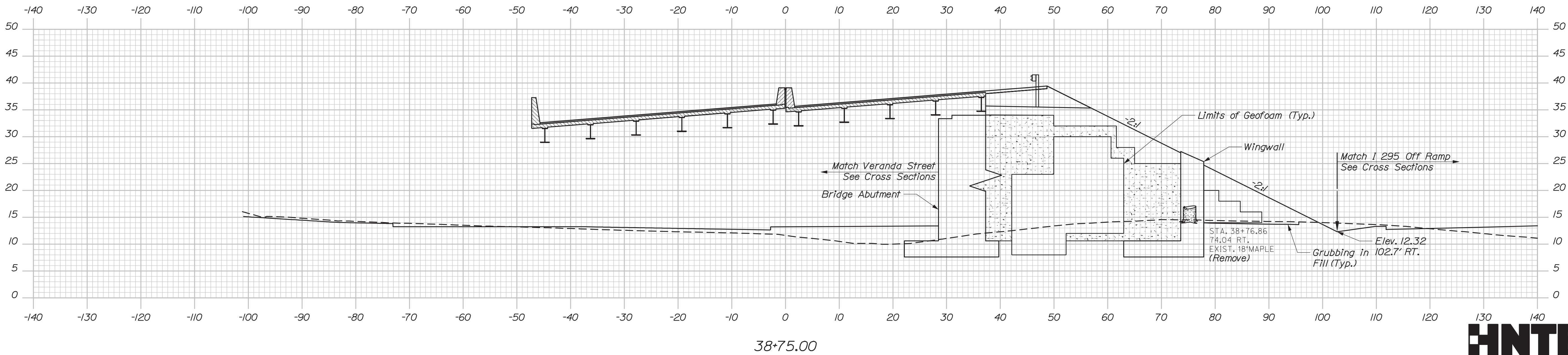
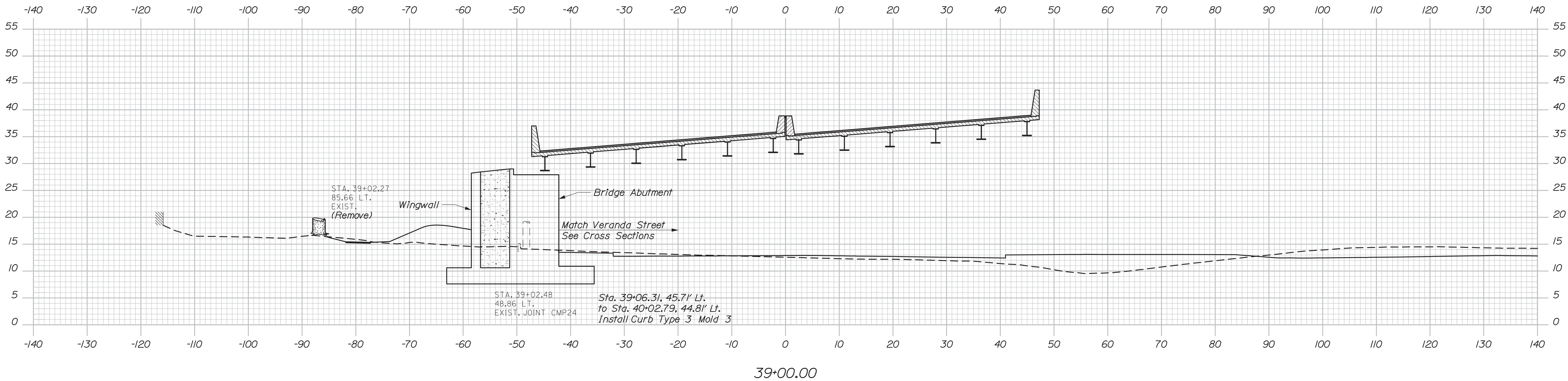
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
	EDD	LDZ	2/20	LDZ	2/20			
	DESIGN-DETAILED							
	REVISIONS 1							
	REVISIONS 2							
	REVISIONS 3							
	REVISIONS 4							
	FIELD CHANGES							

Date:3/3/2020

Username:

Division:

Filename: Xsect_295.dgn



Sta. 38+75.00 to Sta. 39+00.00

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

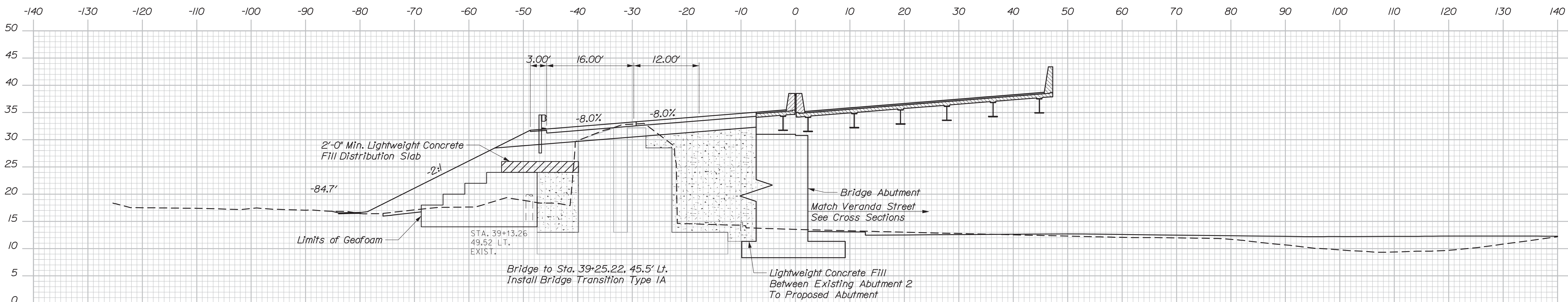
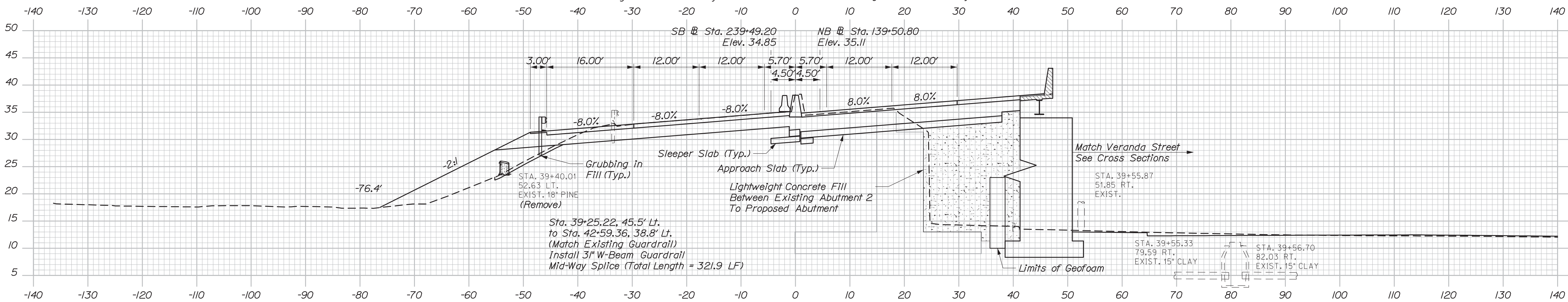
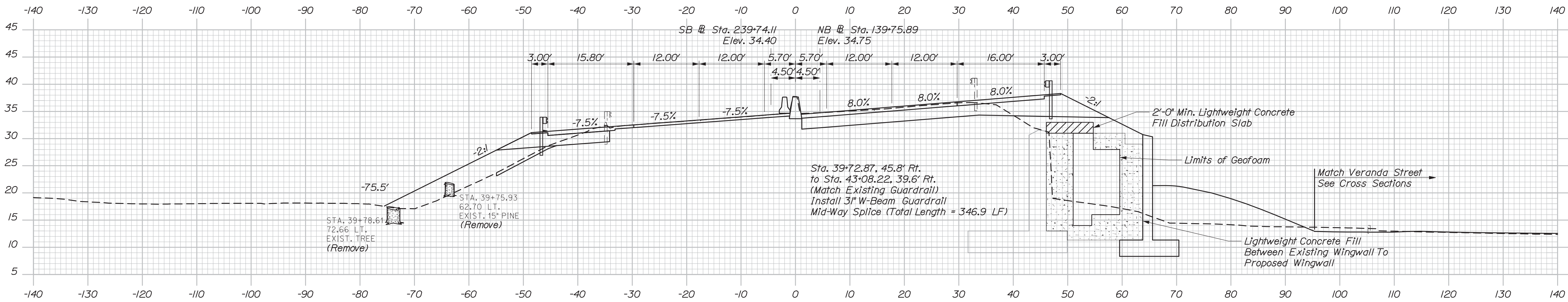
INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
I 295

Date: 3/3/2020

Username:

Division:

Filename: Xsect_295.dgn



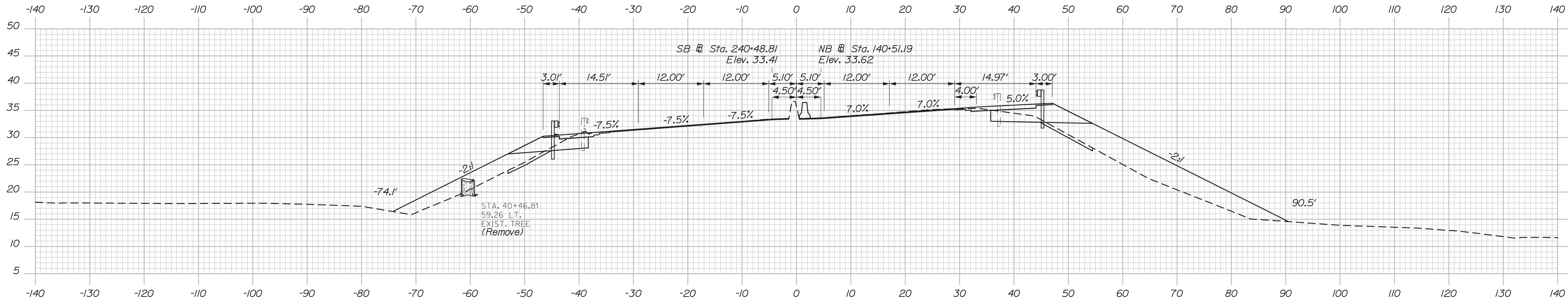
PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date: 3/3/2020

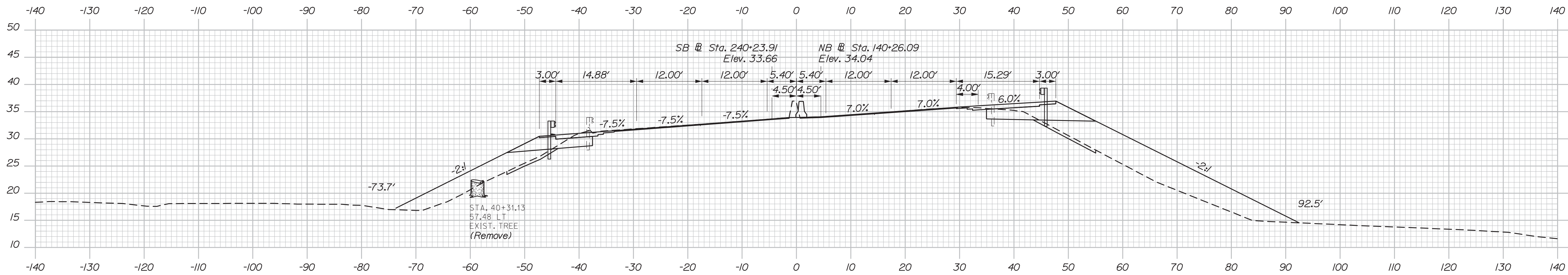
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Division:

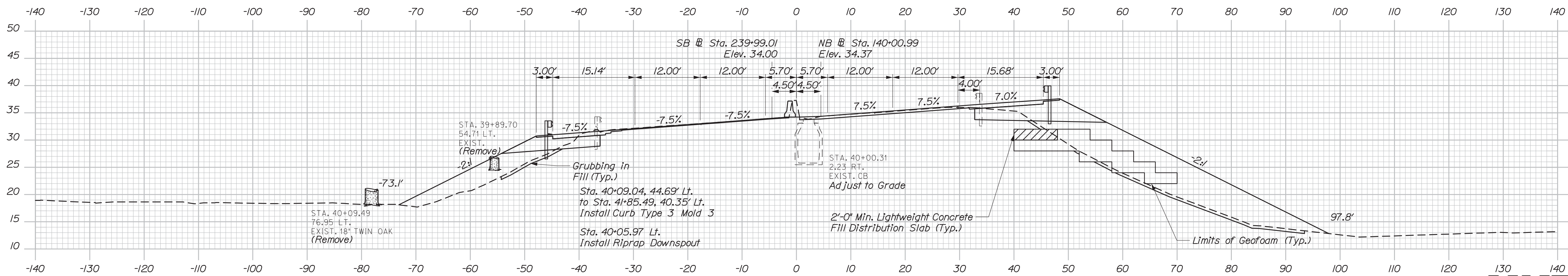
Filename: Xsect_295.dgn



40+50.00



40+25.00



SB Sta. 239+95.00 End Mill & 3\"/>

HNTB

Sta. 40+00.00 to Sta. 40+50.00

DATE	BY	D. EATON	PROJ. MANAGER	CHECKED	REVIEWED	DESIGNED	REVISIONS	FIELD CHANGES
2/20	CDH	LJD					1	
2/20							2	
							3	
							4	

DATE	BY	D. EATON	PROJ. MANAGER	CHECKED	REVIEWED	DESIGNED	REVISIONS	FIELD CHANGES
2/20	CDH	LJD					1	
2/20							2	
							3	
							4	

DATE	BY	D. EATON	PROJ. MANAGER	CHECKED	REVIEWED	DESIGNED	REVISIONS	FIELD CHANGES
2/20	CDH	LJD					1	
2/20							2	
							3	
							4	

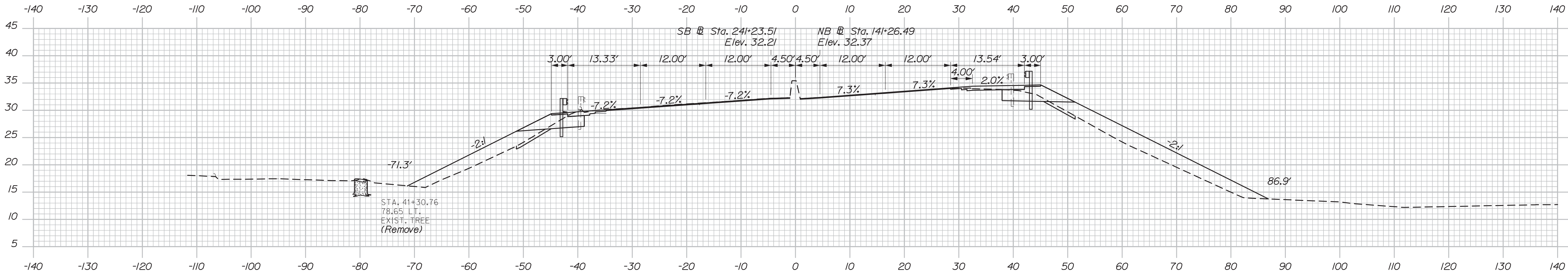
DATE	BY	D. EATON	PROJ. MANAGER	CHECKED	REVIEWED	DESIGNED	REVISIONS	FIELD CHANGES
2/20	CDH	LJD					1	
2/20							2	
							3	
							4	

Date: 3/3/2020

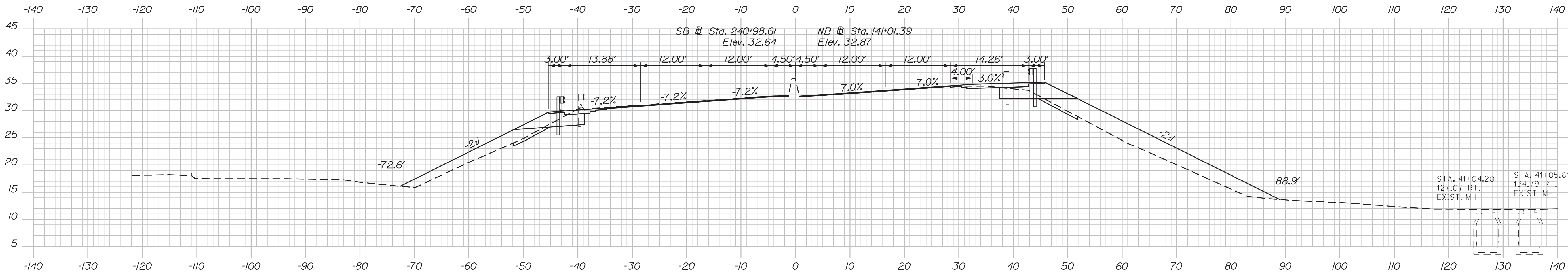
Username:

Division:

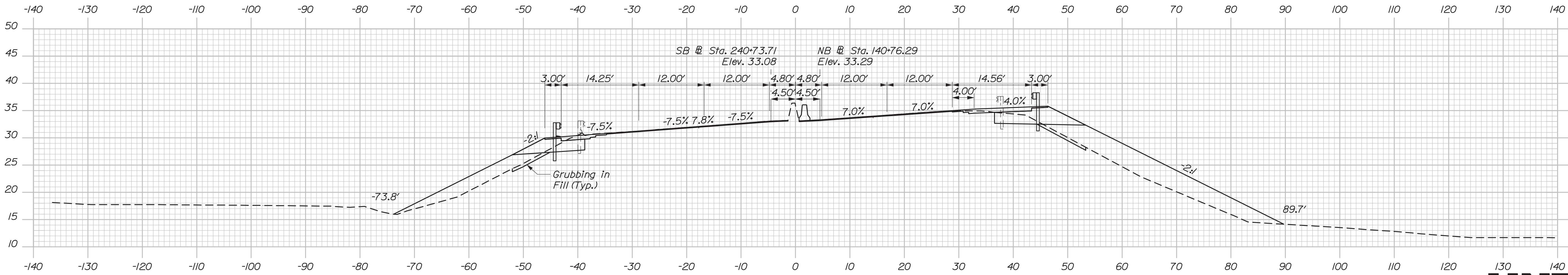
Filename: Xsect_295.dgn



41+25.00



41+00.00



40+75.00



PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE
LED	CDH	LTD	2/20
DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	2/20
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

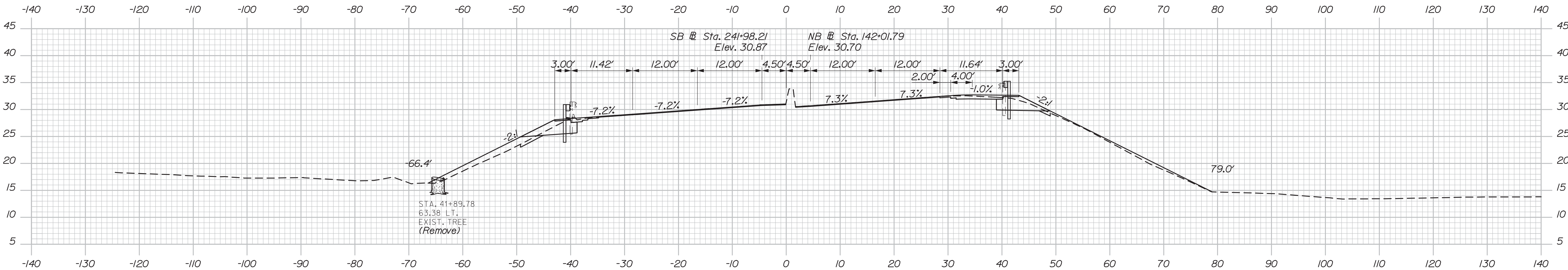
INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
I 295

Date:3/3/2020

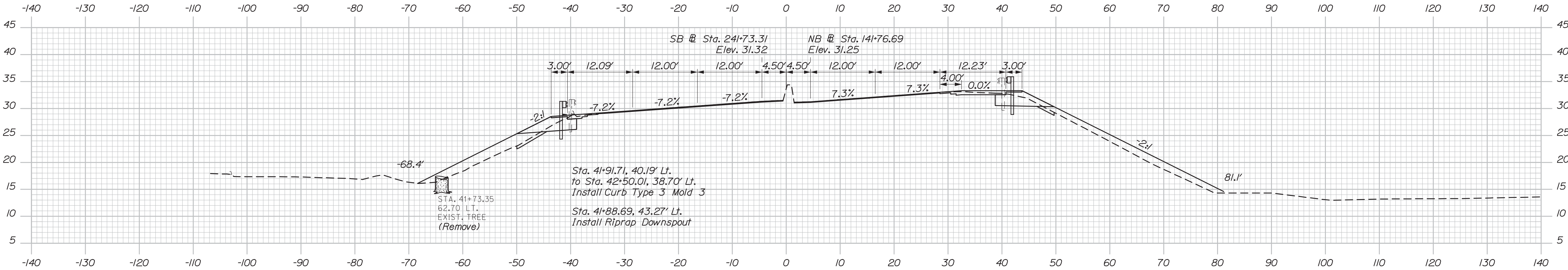
Username:

Division:

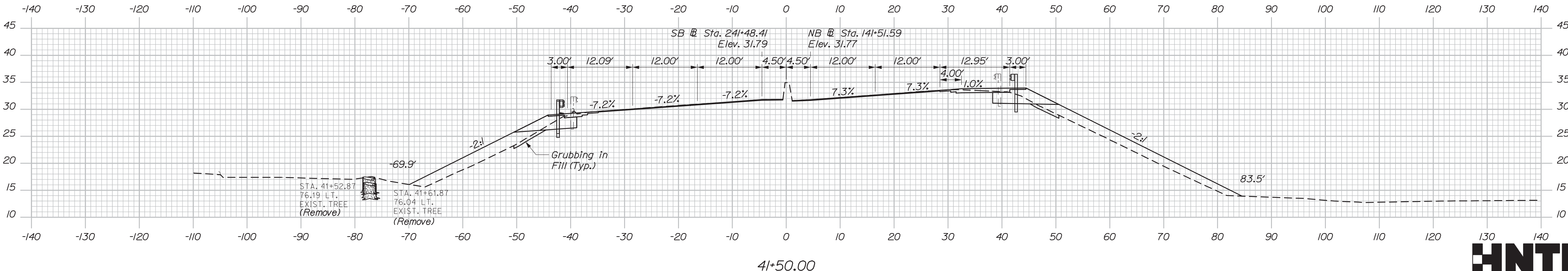
Filename: Xsect_295.dgn



42+00.00



41+75.00



41+50.00



PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE
EDD	CDH	LJD	2/20
DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	2/20
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

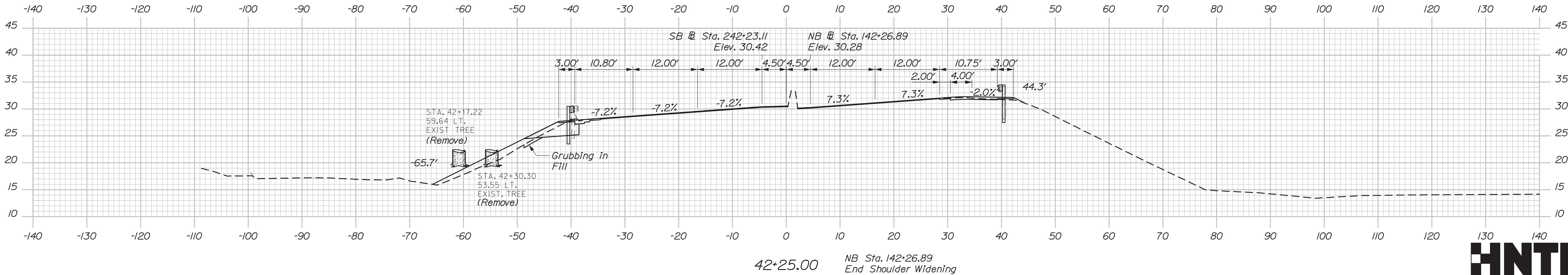
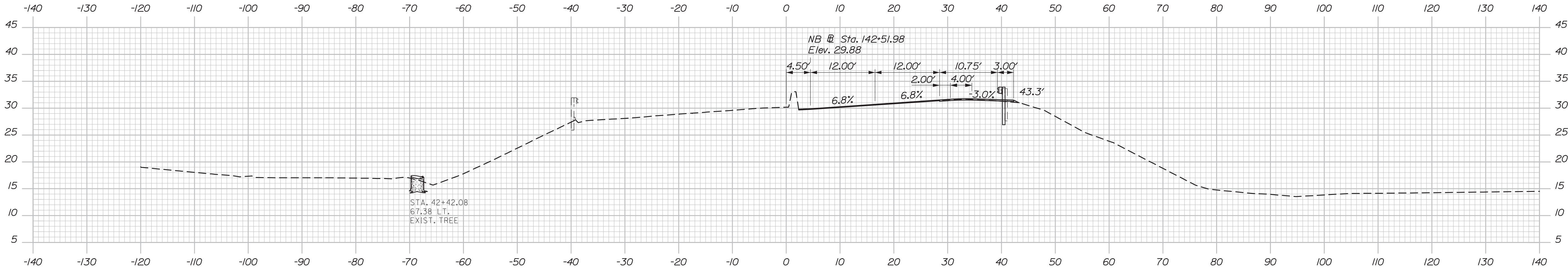
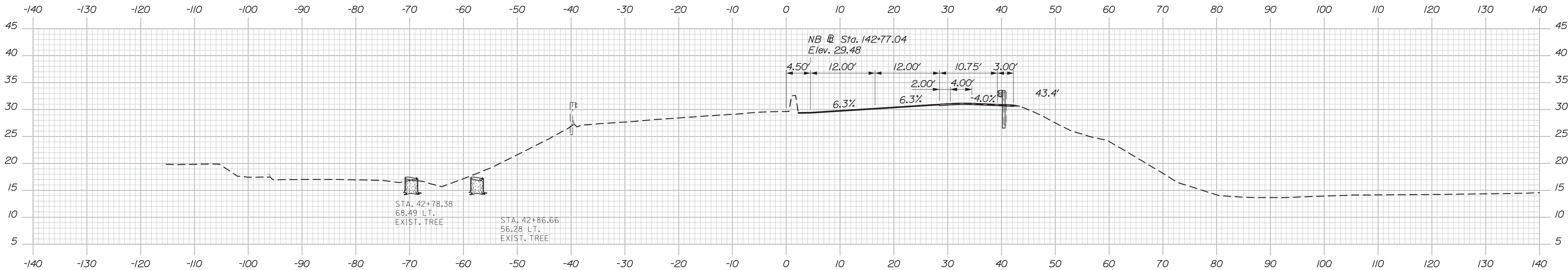
INTERSTATE 295 OVER
VERANDA STREET
CUMBERLAND COUNTY
PORTLAND
CROSS SECTIONS
I 295

Date:3/3/2020

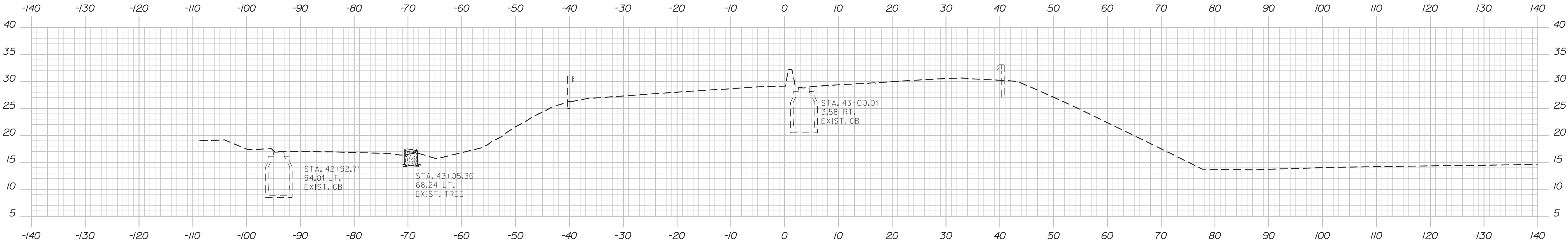
Username:

Division:

Filename: Xsect_295.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	NHP-2174(500)		BRIDGE NO.5933	WIN	021745.00	BRIDGE PLANS
	INTERSTATE 295 OVER VERANDA STREET CUMBERLAND COUNTY					
	PORTLAND CROSS SECTIONS I 295					
SHEET NUMBER						
64						
OF 220						



43+00.00

NB Sta. 143+02.10
Limit of Work
End Mill & 1 1/2" Overlay
Match Existing Pavement



Sta. 43+00.00 to Sta. 43+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO.5933
WIN
021745.00

BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

CROSS SECTIONS
I 295

SHEET NUMBER
65
OF 220

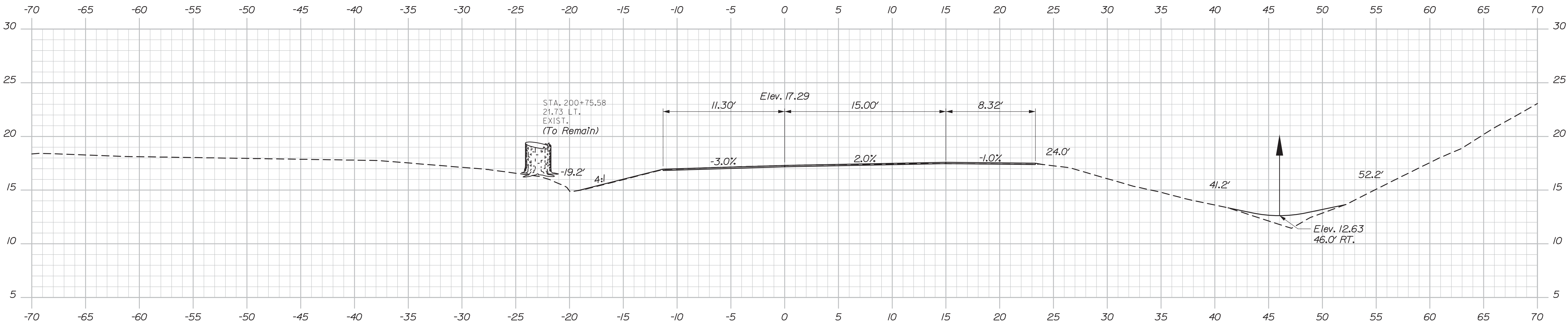
PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date:3/3/2020

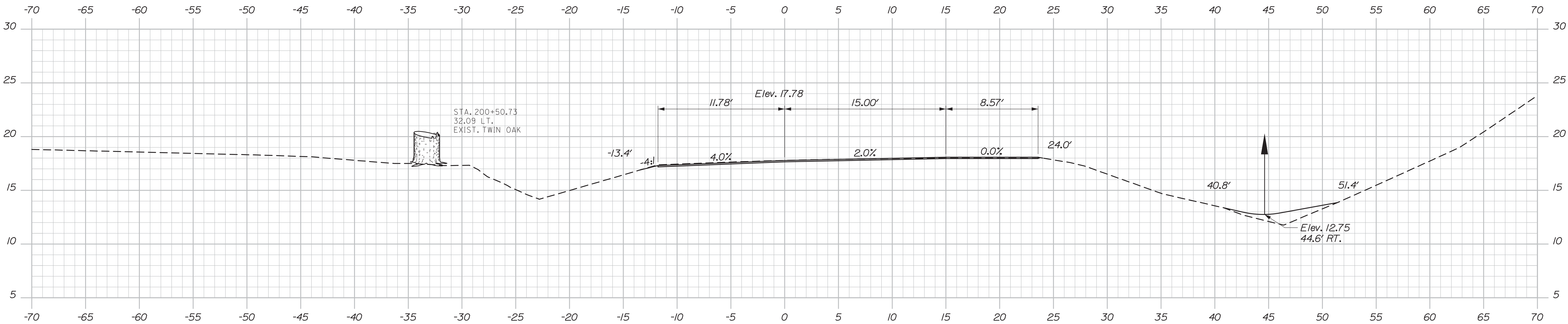
Username:

Division:

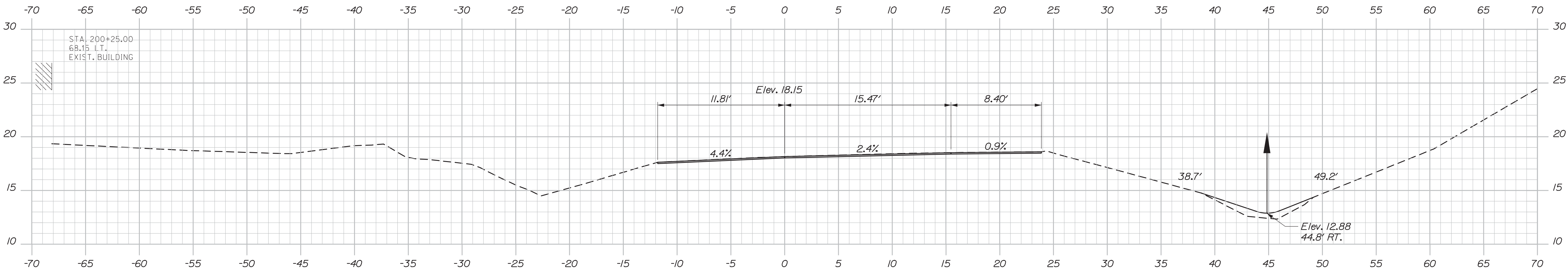
Filename: Xsect_295 On Ramp.dgn



200+75.00



200+50.00

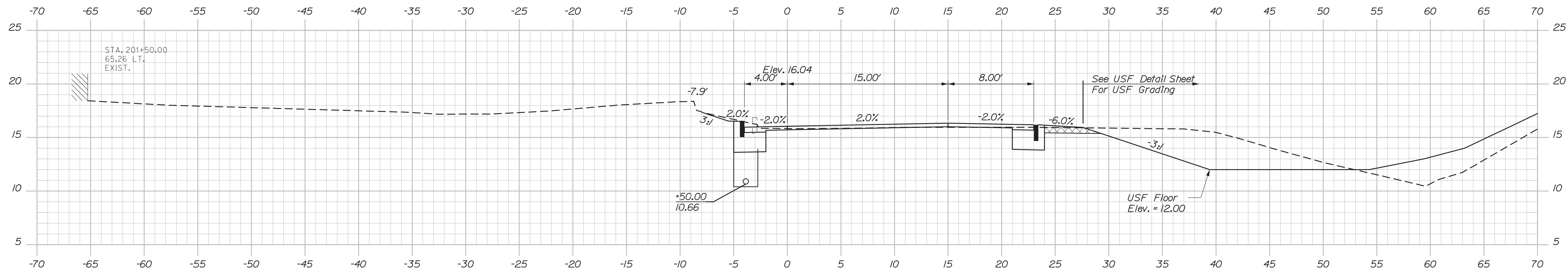


200+25.00

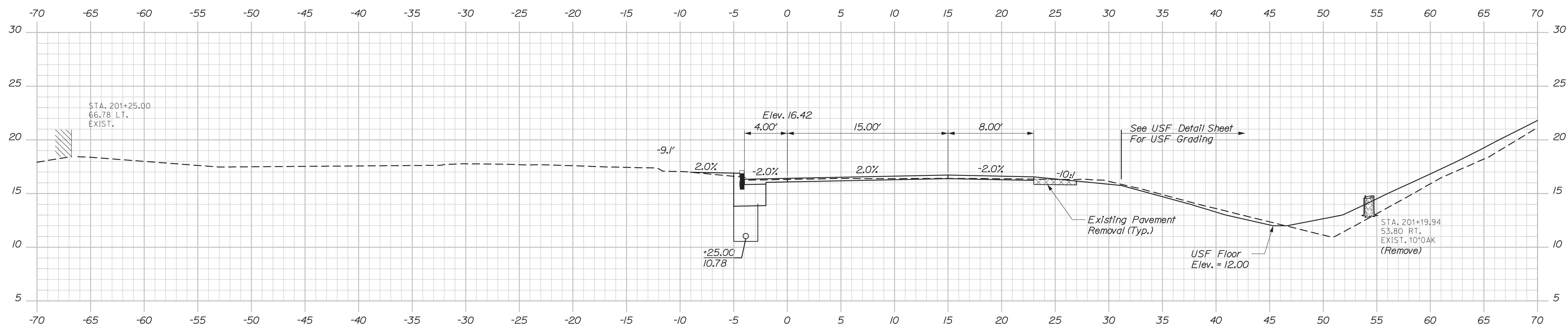
Sta. 200+25.00
Match Existing Pavement
Begin Mill & 1 1/2" Overlay
Sta. 200+05.00
Limit of Work

HNTB

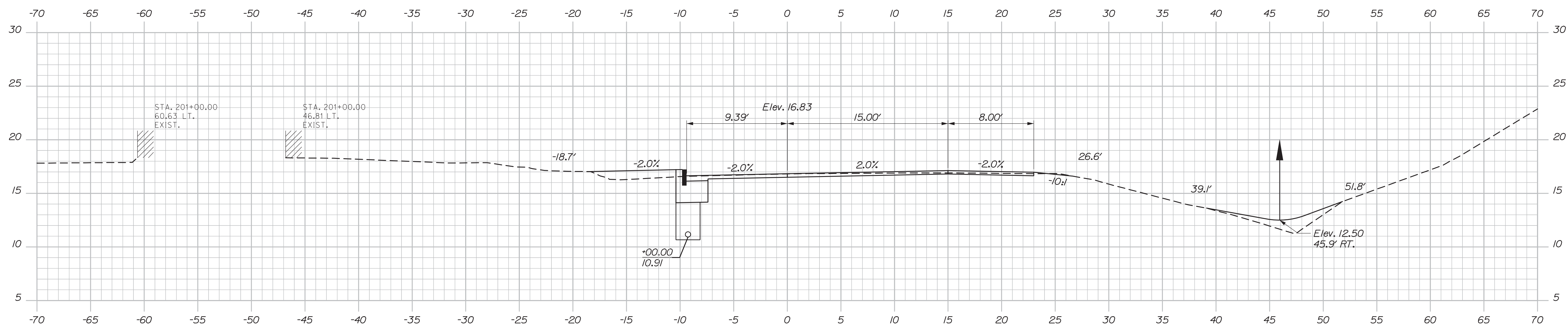
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
EDD	CDH	LZD	2/20		2/20			
DESIGN-DETAILED								
REVISIONS 1								
REVISIONS 2								
REVISIONS 3								
REVISIONS 4								
FIELD CHANGES								



20/+50.00



20/+25.00



STA. 201+00.00
46.81 LT.
EXIST.

Sta. 201+00.00, 8.11' Lt. to
Sta. 202+06.90, 11.28' Lt.
Install 104' x 6" Underdrain Type B

201+00.00

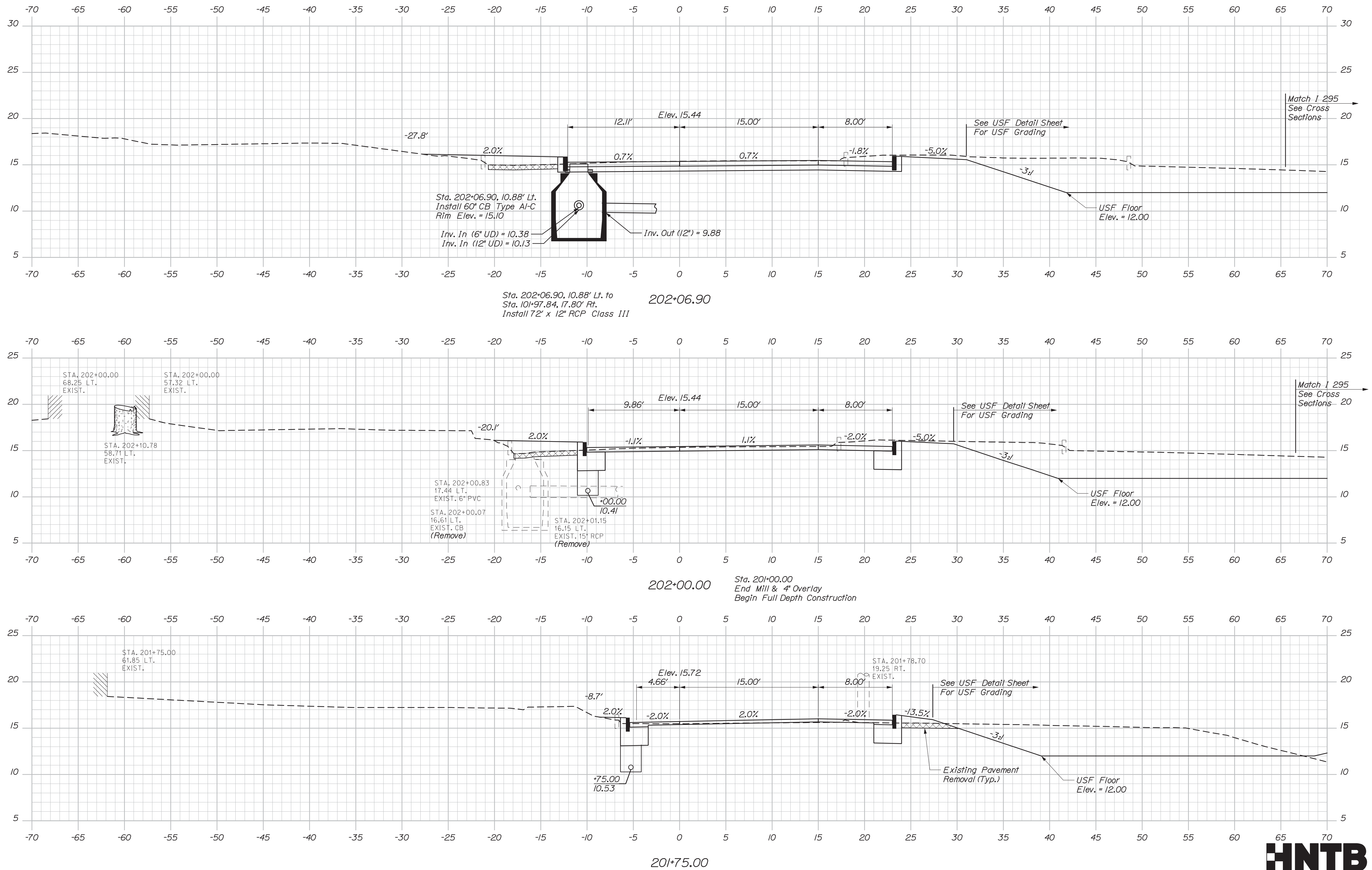
Sta. 201+00.00
End Mill & 1 1/2" Overlay
Begin Mill & 4" Overlay



	PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED:	EED		CQH	2/20
CHECKED-REVIEWED:	RWH		LZO	2/20
DESIGN2-DETAILED2:				
DESIGN3-DETAILED3:				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
SIGNATURE				
P.E. NUMBER				
DATE				

SIGNATURE
P.E. NUMBER
DATE

Filename: Xsect_295 On Ramp.dgn

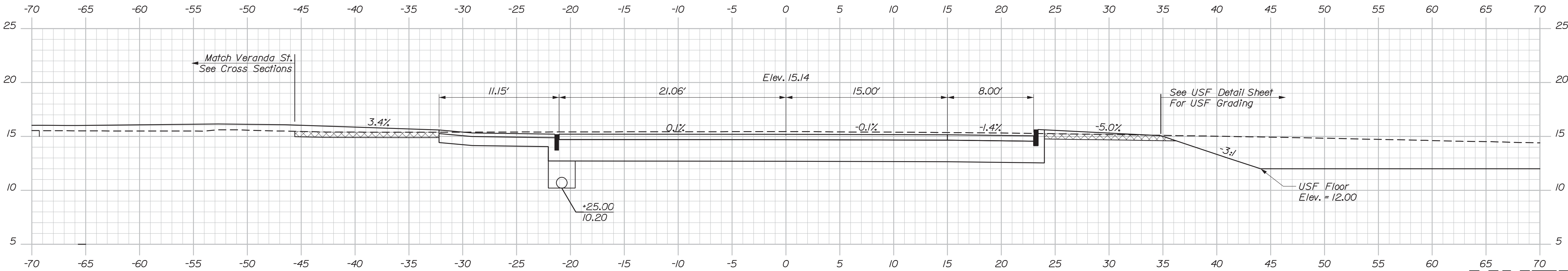
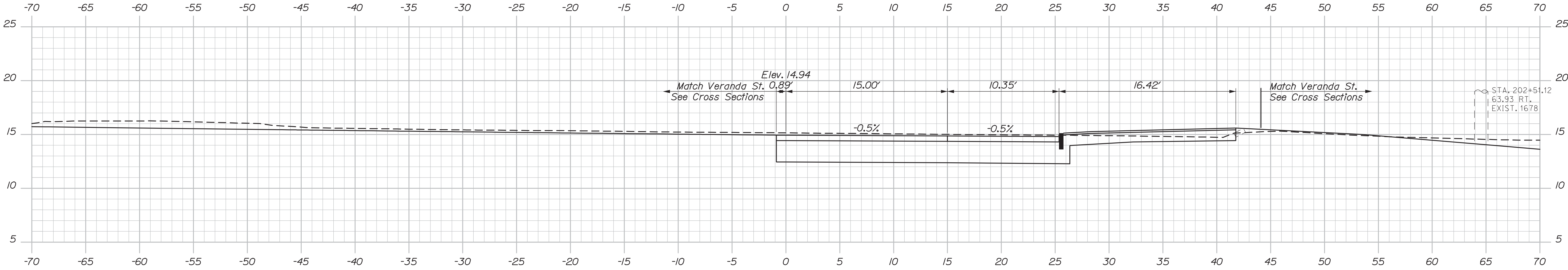


Date:3/3/2020

Username:

Division:

Filename: Xsect_295 On Ramp.dgn



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
NHP-2174(500)	
BRIDGE NO.5933	WIN
021745.00	
BRIDGE PLANS	

PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-DETAILED	LED	CDH	2/20
DESIGNED-DETAILED	LED	LJD	2/20
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

INTERSTATE 295 OVER	
VERANDA STREET	
CUMBERLAND COUNTY	
PORTLAND	
CROSS SECTIONS	
I 295 SB ON RAMP	

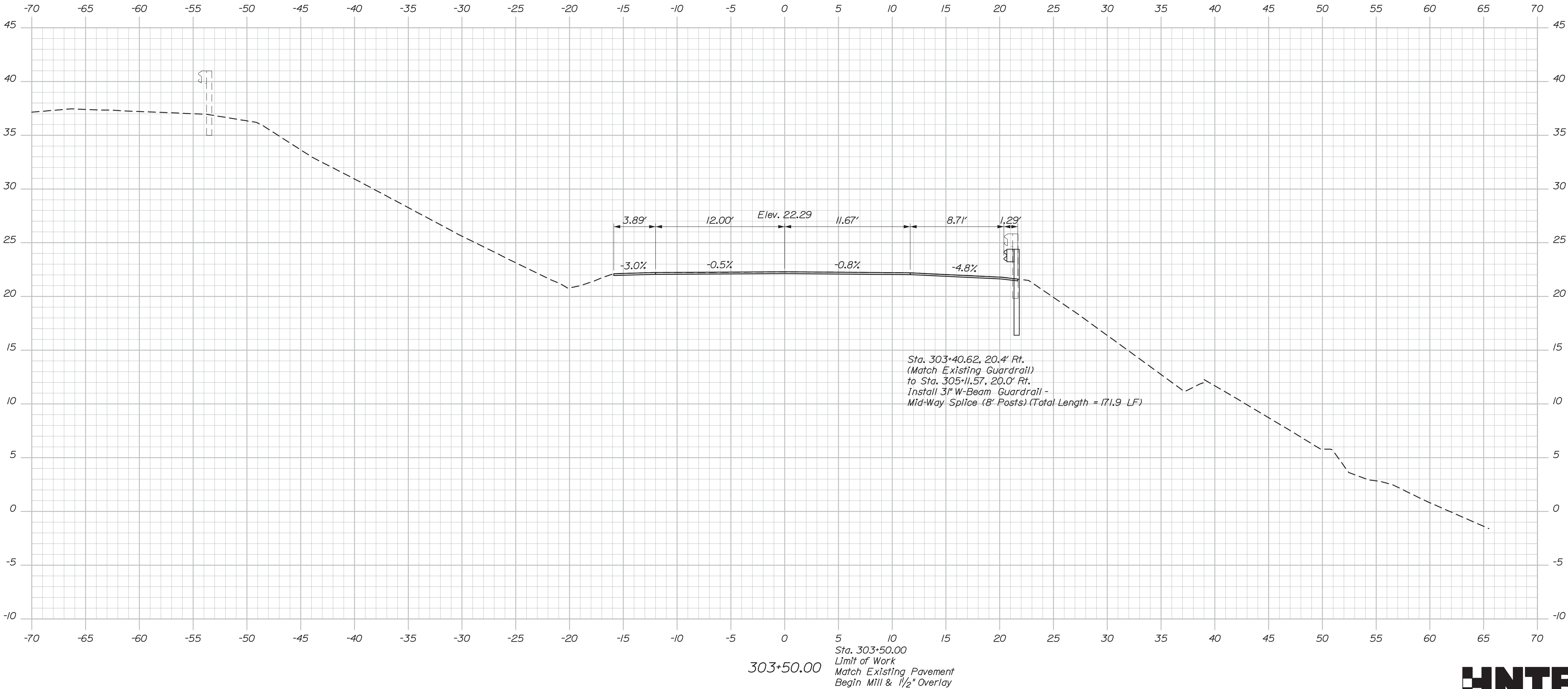
SHEET NUMBER	
69	
OF 220	

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
BRIDGE NO.5933 WIN 021745.00
BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS I 295 NB OFF RAMP

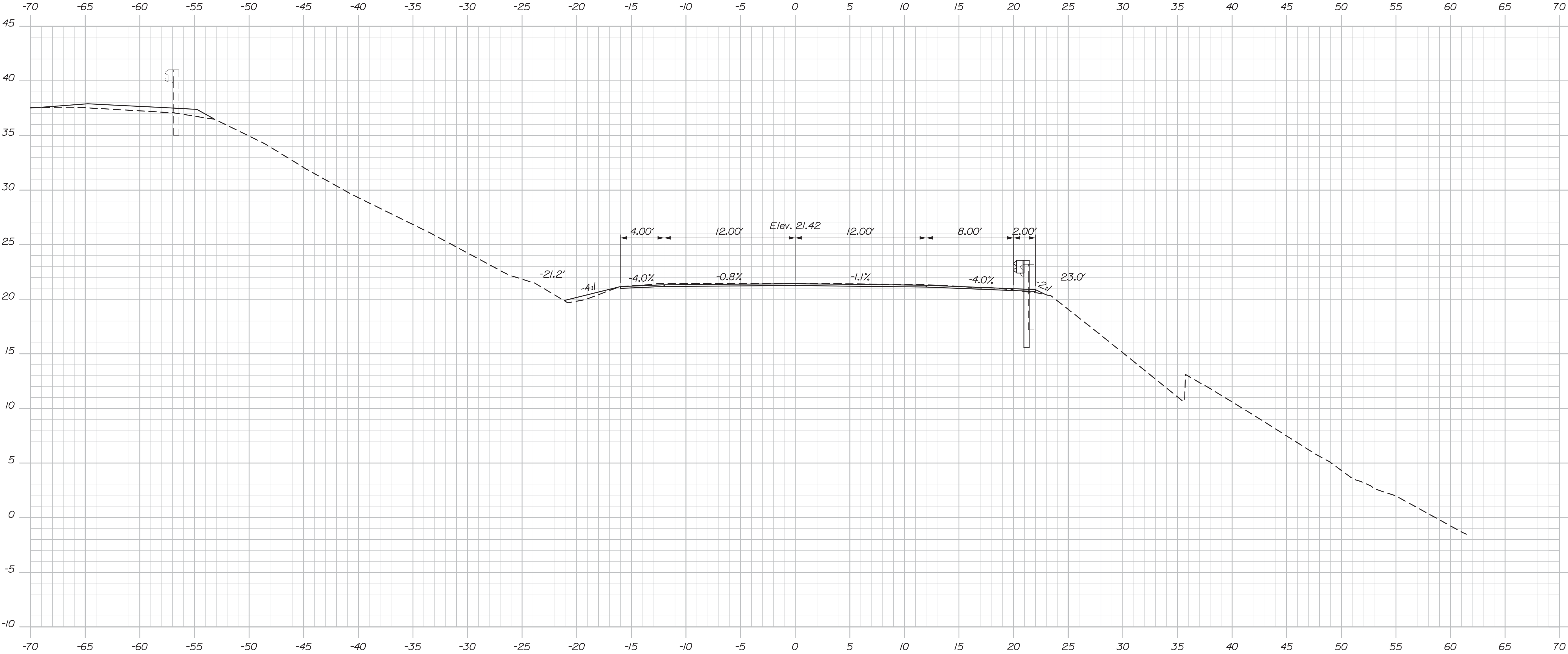
SHEET NUMBER
70
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



303+75.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
BRIDGE NO.5933
WIN
021745.00
BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER	CUMBERLAND COUNTY
VERANDA STREET	
PORTLAND	
CROSS SECTIONS	
I 295 NB OFF RAMP	

SHEET NUMBER
71
OF 220

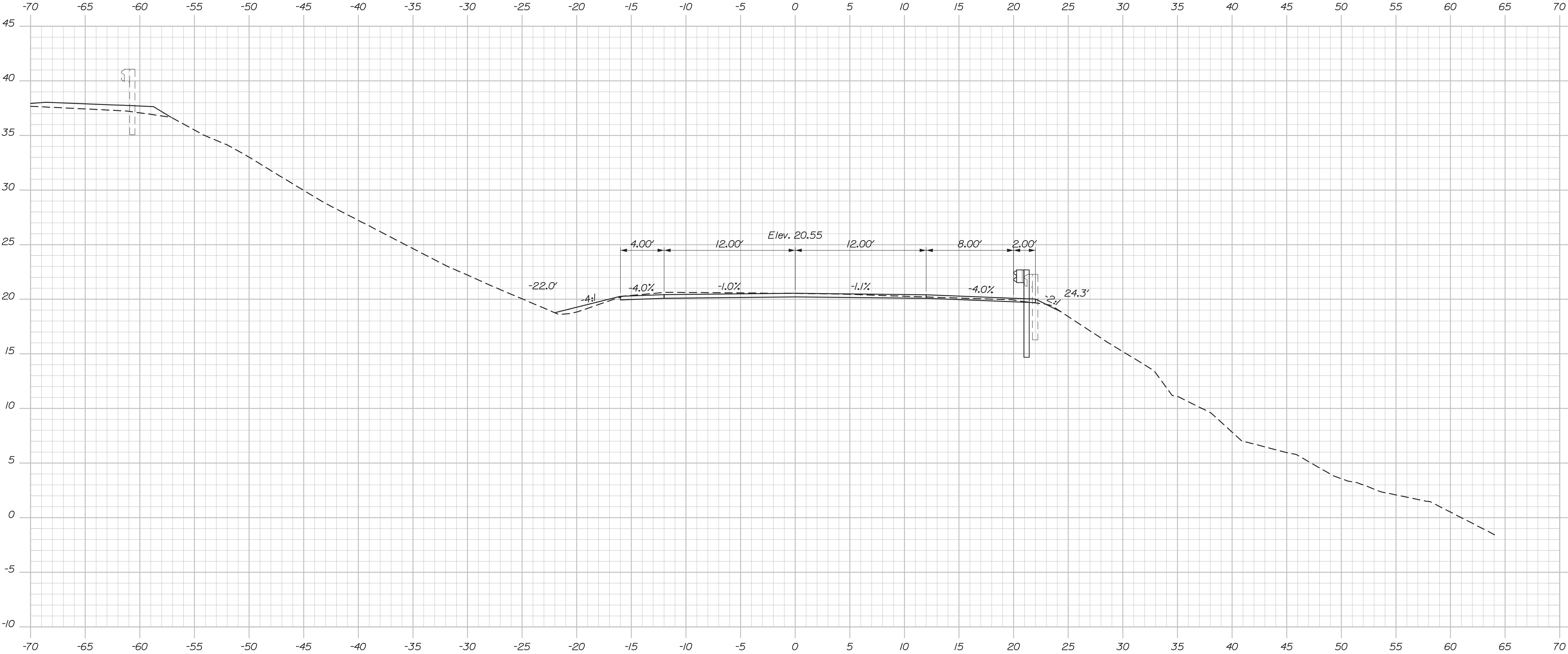
Sta. 303+75.00 to Sta. 303+75.00

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



304+00.00
Sta. 304+00.00
End Mill & 1 1/2" Overlay
Begin Mill & 4" Overlay



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
BRIDGE NO.5933
WIN 021745.00
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	DATE
CHECKED-REVIEWED	2/20	CDH	2/20
DESIGNED-REVIEWED	2/20	LTD	2/20
DESIGNED-REVIEWED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	SIGNATURE
CROSS SECTIONS I 295 NB OFF RAMP	P.E. NUMBER
	DATE

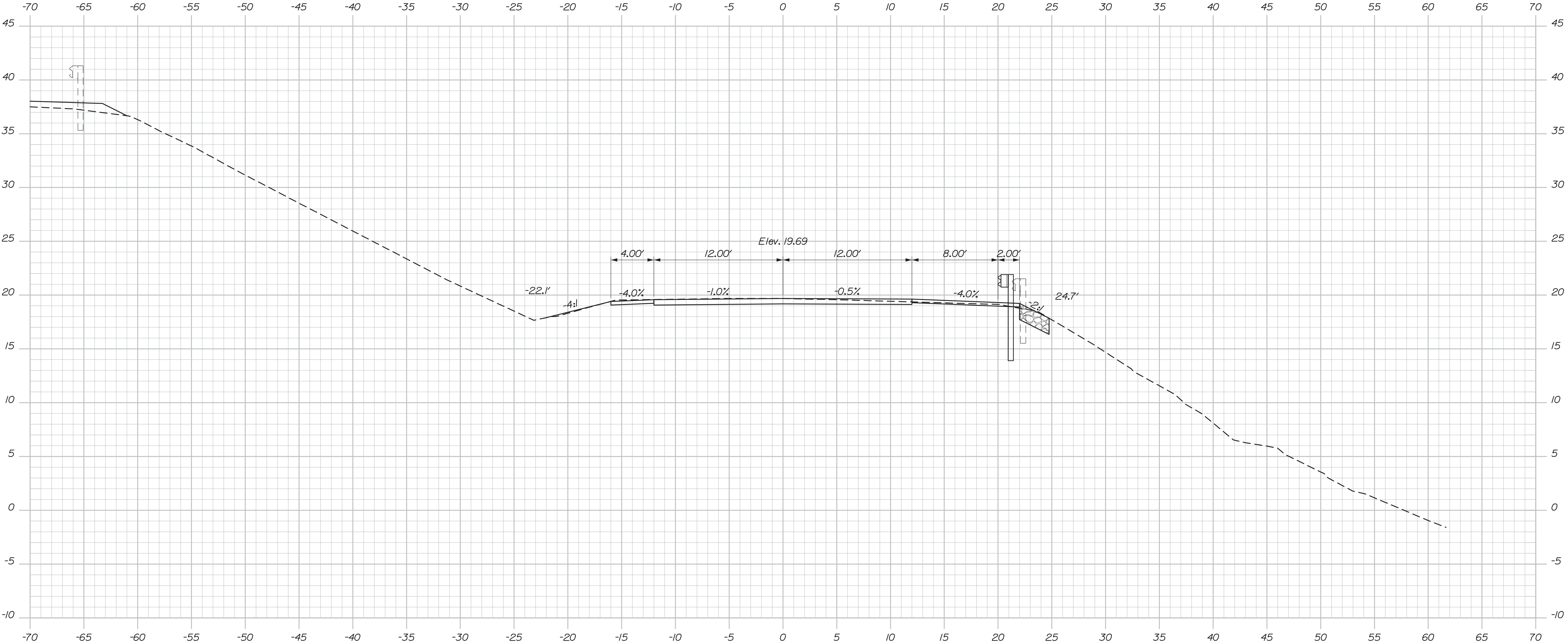
SHEET NUMBER
72
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



304+25.00
Sta. 304+25.00
End Mill & 4" Overlay
Begin Transition



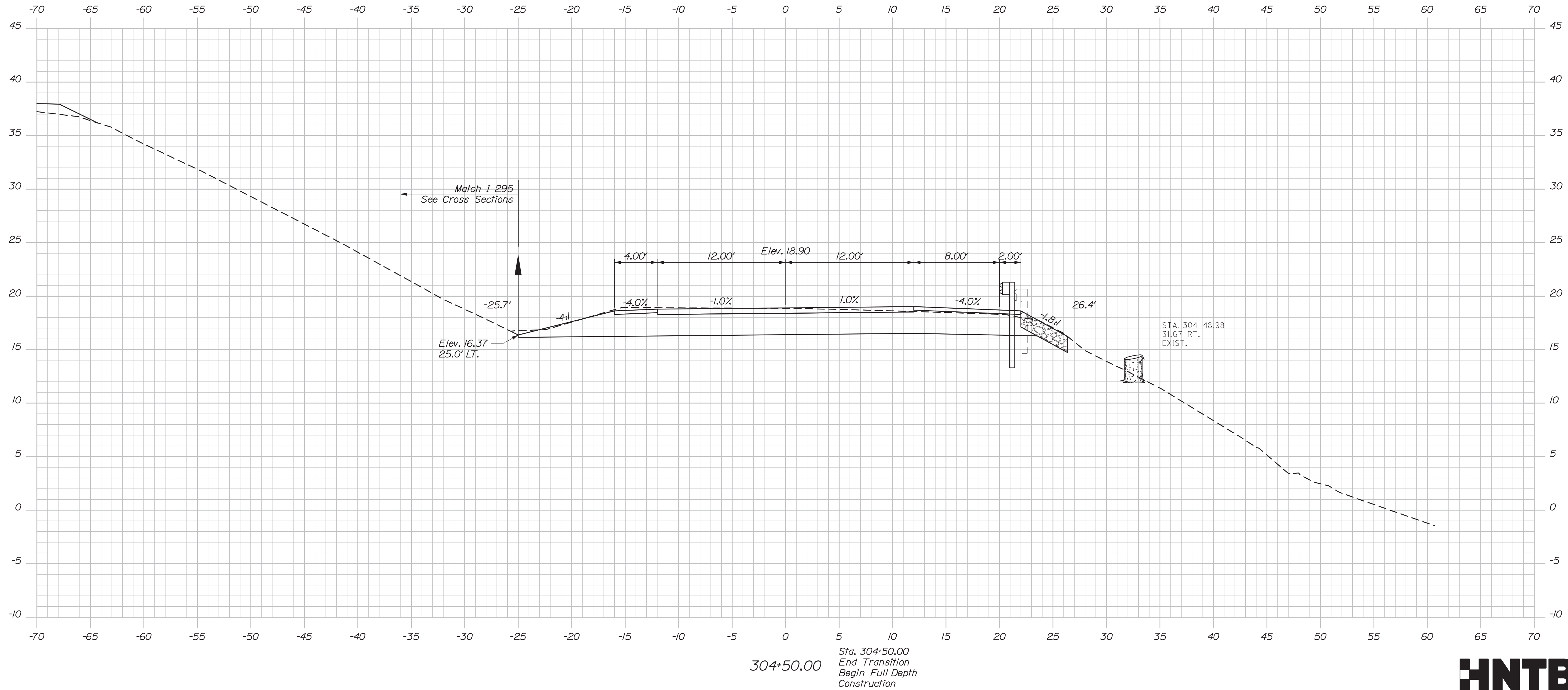
STATE OF MAINE DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
BRIDGE NO.5933 WIN 021745.00
BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EDD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS I 295 NB OFF RAMP

SHEET NUMBER
73
OF 220

Filename: Xsect_295 Off Ramp.dgn



HNTB

SHEET NUMBER

74

OF 220

STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)	BRIDGE NO. 5033 WIN 021745 00 BRIDGE PLANS
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INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

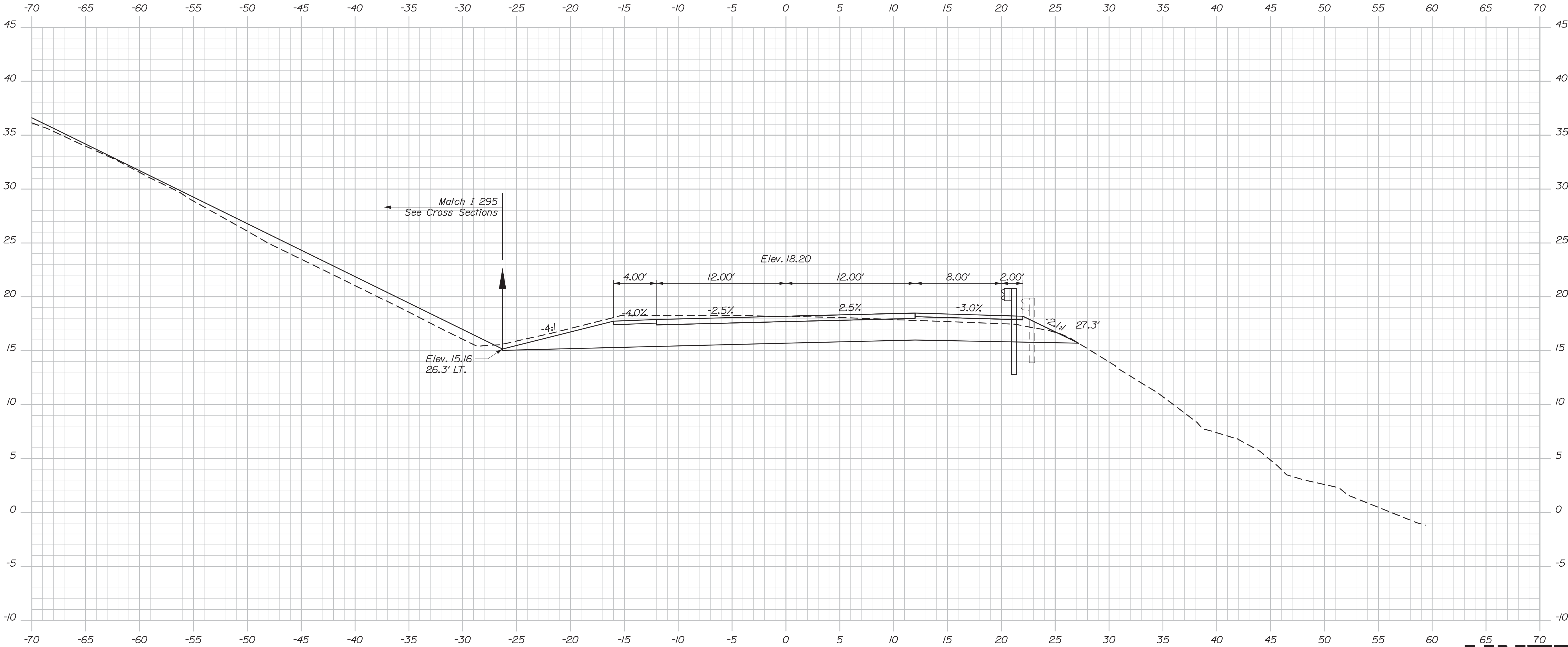
CROSS SECTIONS
I 295 NB OFF RAMP

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



304+75.00



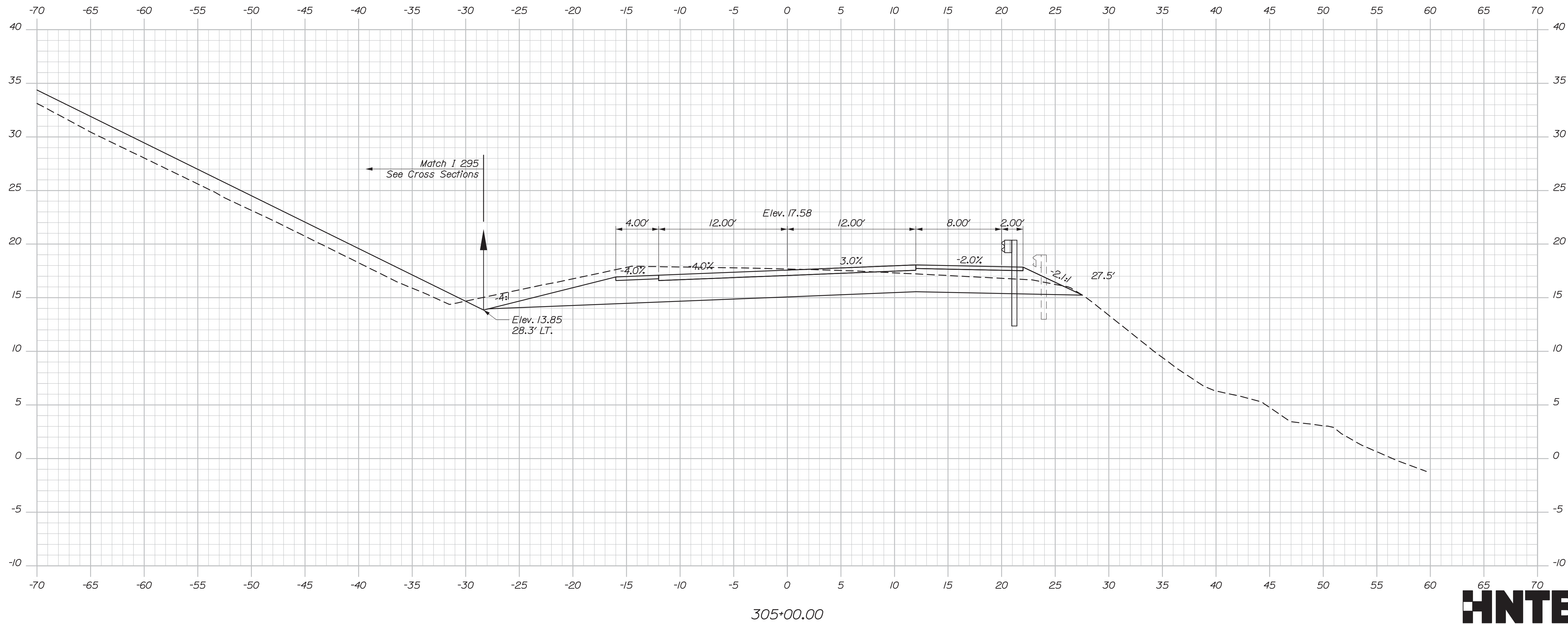
Sta. 304+75.00 to Sta. 304+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
BRIDGE NO.5933
WIN 021745.00
BRIDGE PLANS

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS I 295 NB OFF RAMP

SHEET NUMBER
75
OF 220



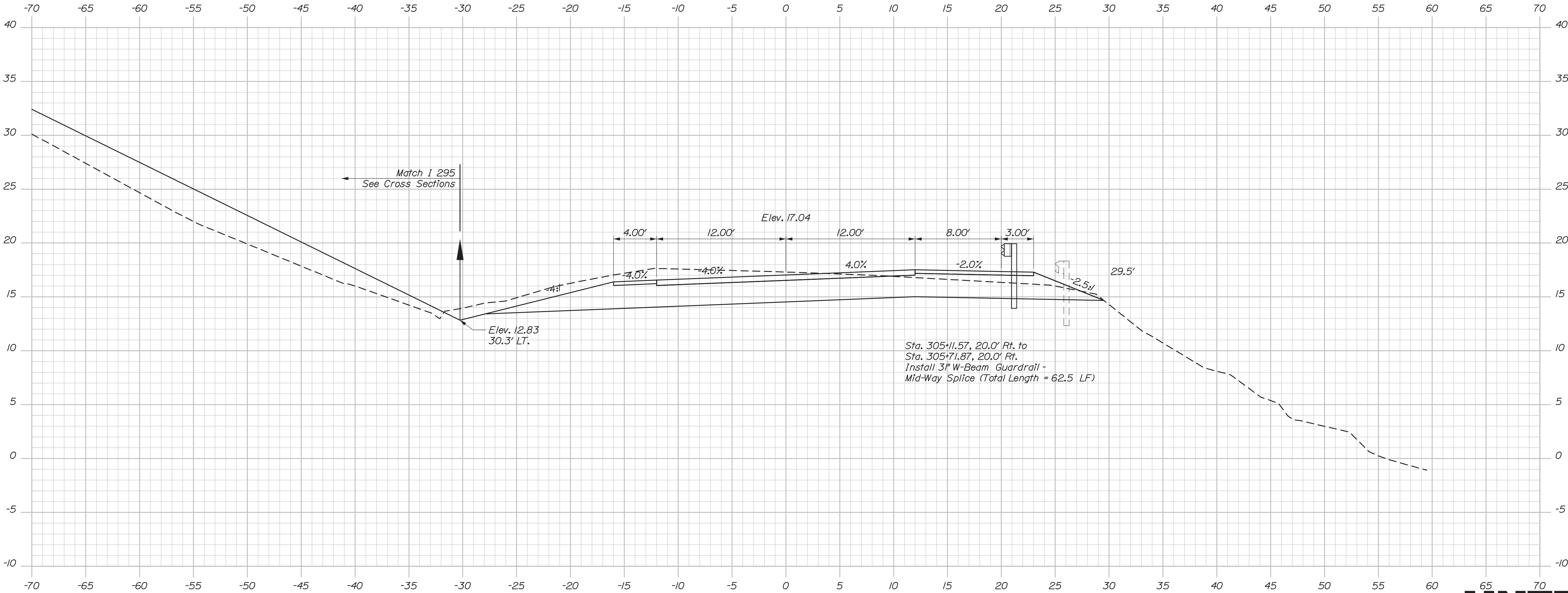
76 OF 220	SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND				CUMBERLAND COUNTY				PROJECT MANAGER		D. LEAON	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)	
											DESIGN-DETAILED	EDD	CHD	2/2/20			
											CHECKED-REVIEWED	RWH	LZH	2/2/20	SIGNATURE		
											DESIGN-DETAILED E02						
											DESIGN-DETAILED E03				P.E. NUMBER		
											REVISIONS 1						
											REVISIONS 2						
											REVISIONS 3						
											REVISIONS 4				DATE		
											FIELD CHANGES						
														BRIDGE NO. 5933	WIN 021745.00	BRIDGE PLANS	

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



305+25.00



Sta. 305+25.00 to Sta. 305+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
WIN
BRIDGE NO.5933
021745.00
BRIDGE PLANS

DATE	2/20
BY	CDH
D. EATON	LDD
PROJ. MANAGER	CDH
CHECKED-REVIEWED	LDD
DESIGN-DETAILED	CDH
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SIGNATURE	
P.E. NUMBER	
DATE	

INTERSTATE 295 OVER	CUMBERLAND COUNTY
VERANDA STREET	
PORTLAND	
CROSS SECTIONS	
I 295 NB OFF RAMP	

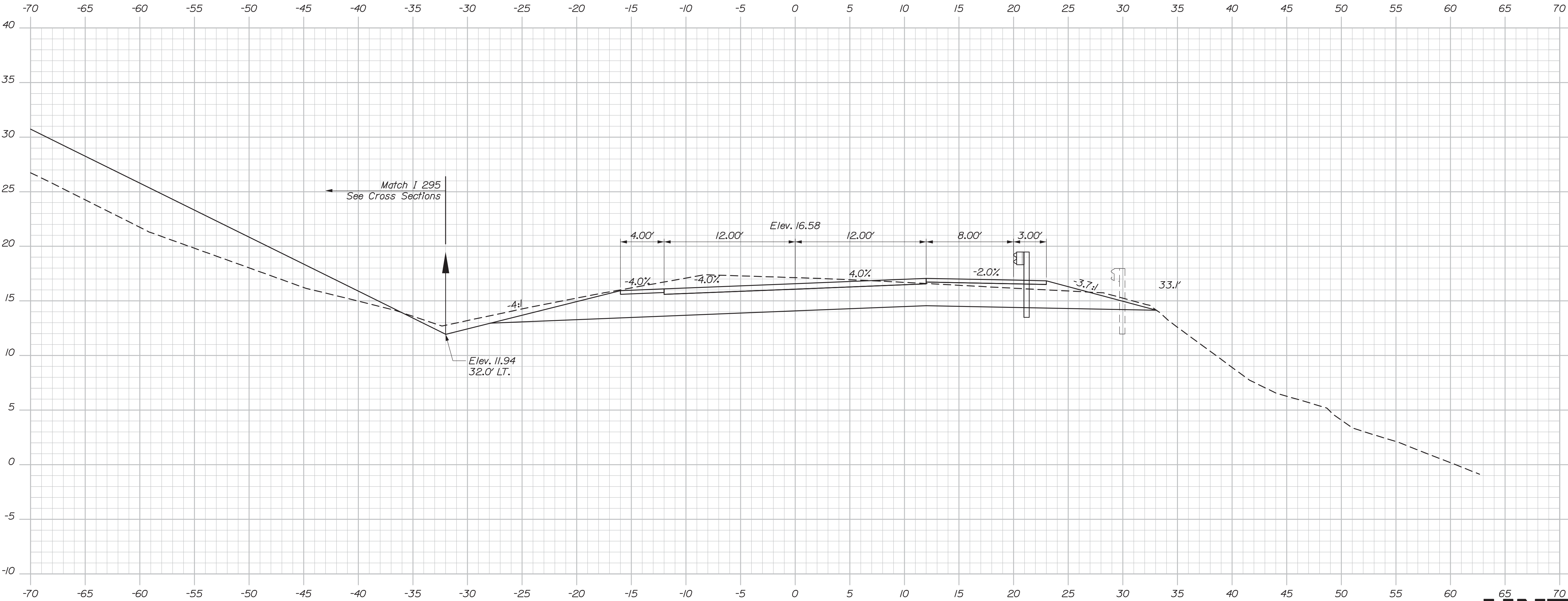
SHEET NUMBER
77
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



305+50.00



Sta. 305+50.00 to Sta. 305+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHPP-2174(500)
WIN
BRIDGE NO.5933
021745.00
BRIDGE PLANS

DATE	2/20
BY	CDH
D. EATON	LDD
PROJ. MANAGER	CDH
CHECKED-REVIEWED	LDD
DESIGNED-DETAILED	CDH
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

DATE	2/20
BY	CDH
D. EATON	LDD
PROJ. MANAGER	CDH
CHECKED-REVIEWED	LDD
DESIGNED-DETAILED	CDH
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS I 295 NB OFF RAMP

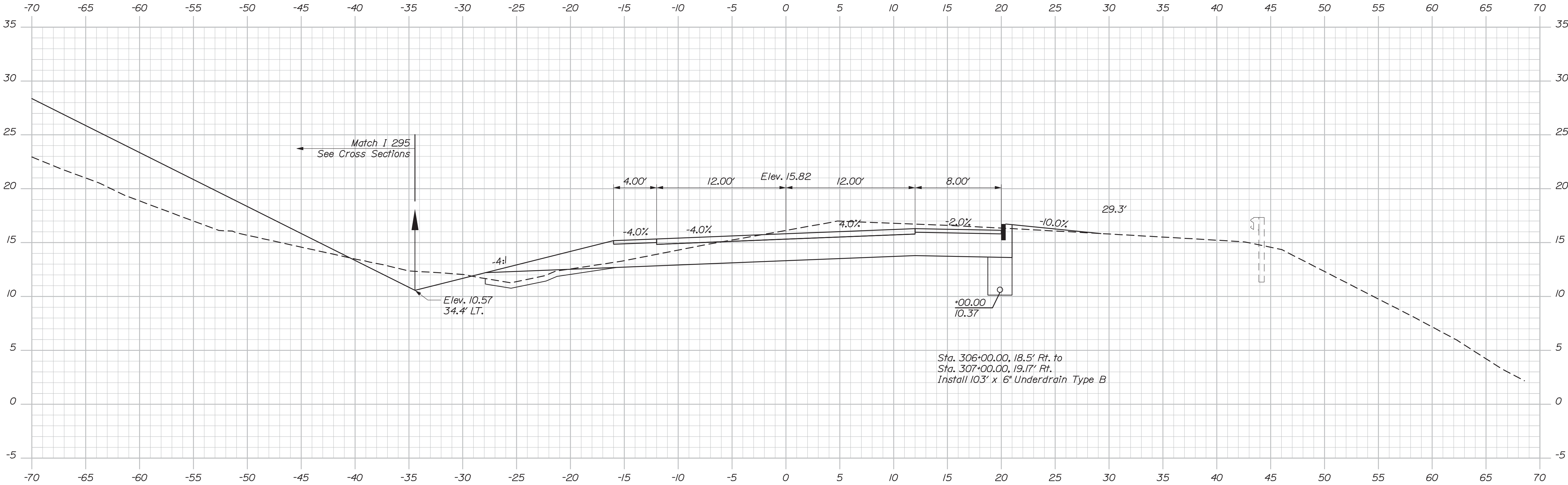
SHEET NUMBER
78
OF 220

Date:3/3/2020

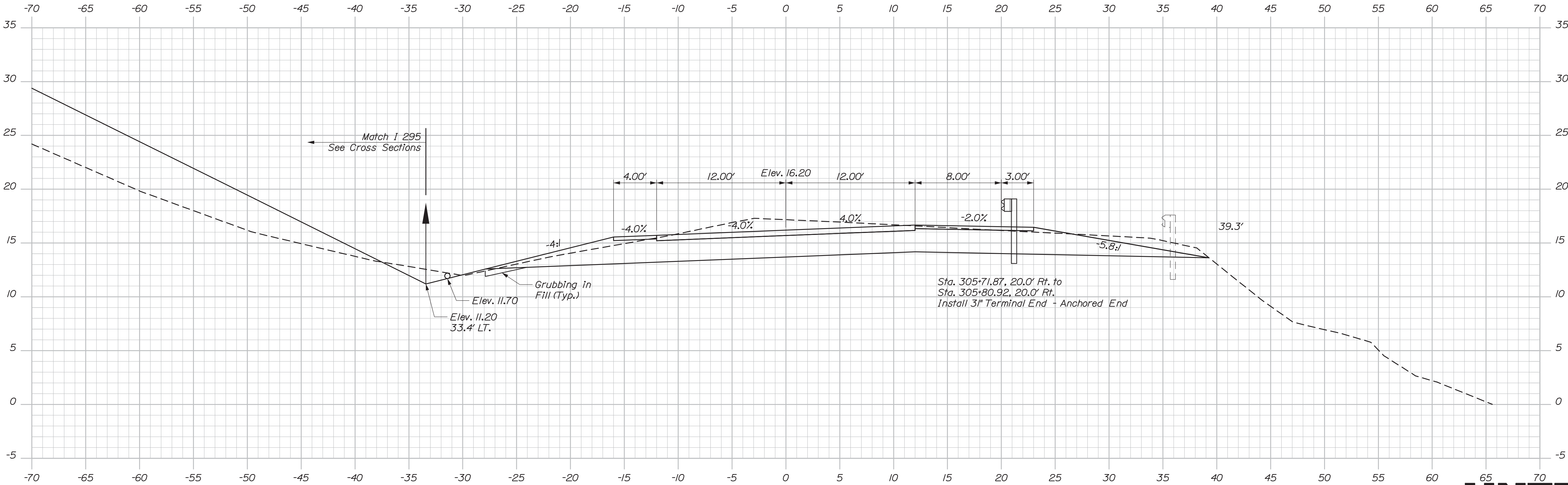
Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



306+00.00



305+75.00



Sta. 305+75.00 to Sta. 306+00.00

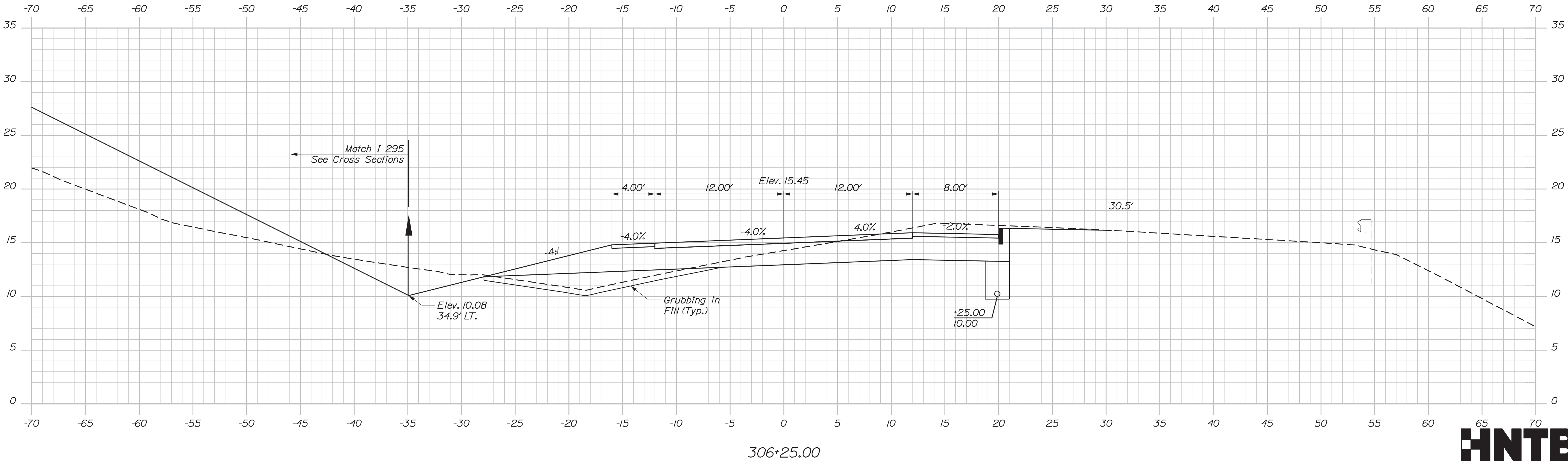
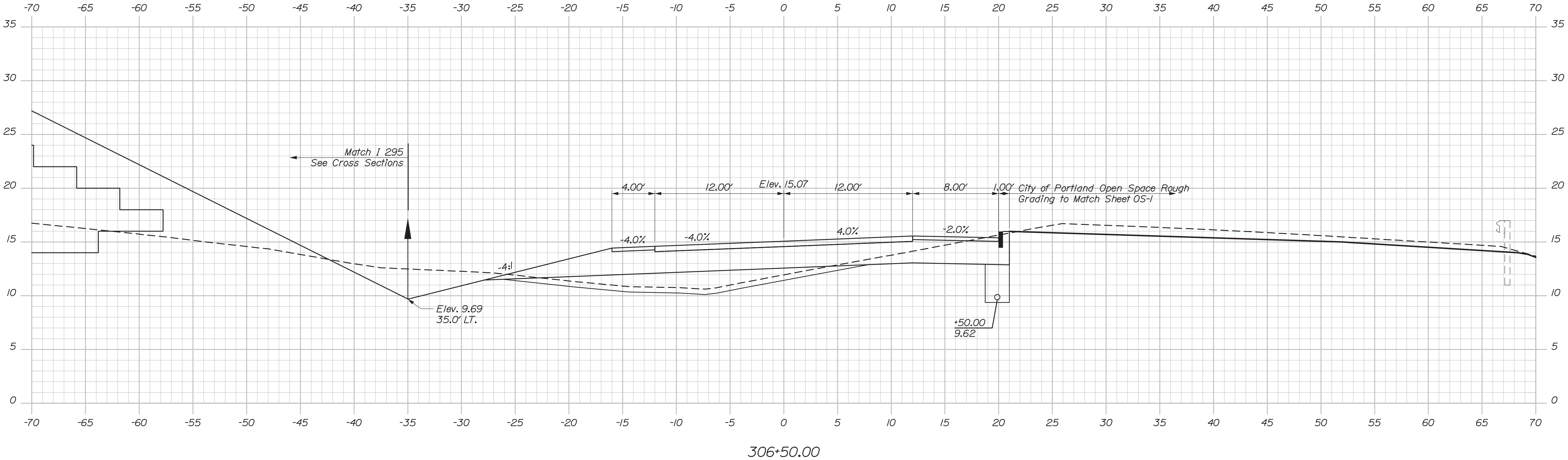
STATE OF MAINE				DEPARTMENT OF TRANSPORTATION			
INTERSTATE 295 OVER VERANDA STREET				NHP-2174(500)			
PORTLAND CUMBERLAND COUNTY				WIN			
CROSS SECTIONS				021745.00			
I 295 NB OFF RAMP				BRIDGE NO. 5933			
SHEET NUMBER				79			
				OF 220			
PROJ. MANAGER				SIGNATURE			
DESIGN-DETAILED				P.E. NUMBER			
CHECKED-REVIEWED				DATE			
DESIGN-DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	NHP-2174(500)	
	WIN	021745.00
BRIDGE NO.5933		
BRIDGE PLANS		

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LJD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	CROSS SECTIONS I 295 NB OFF RAMP

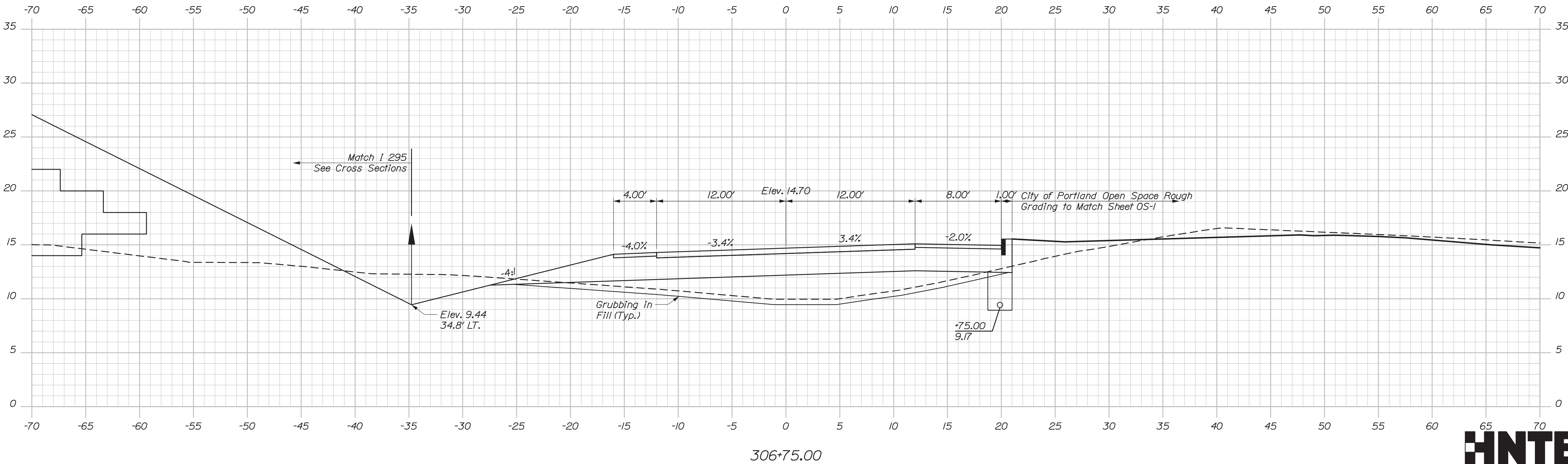
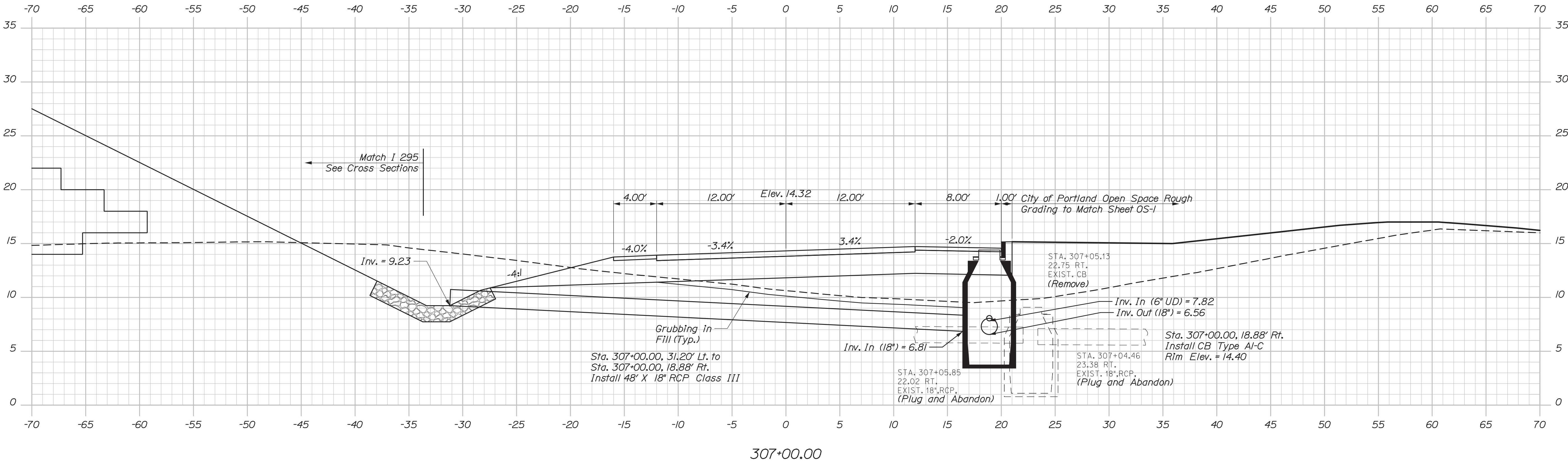
SHEET NUMBER
80
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



HNTB

Sta. 306+75.00 to Sta. 307+00.00

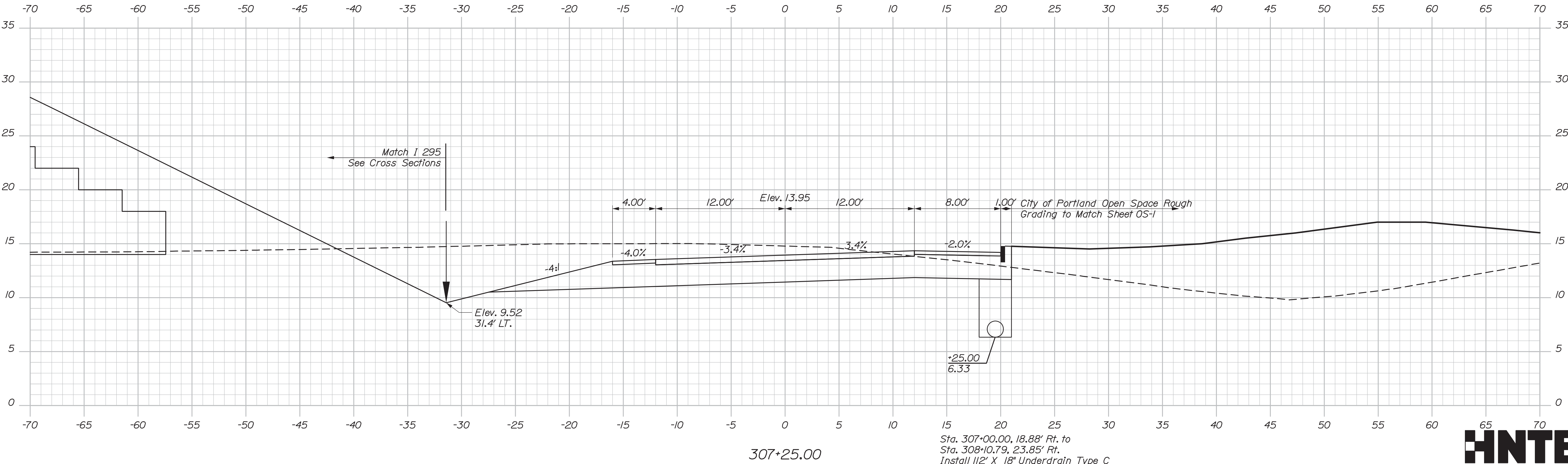
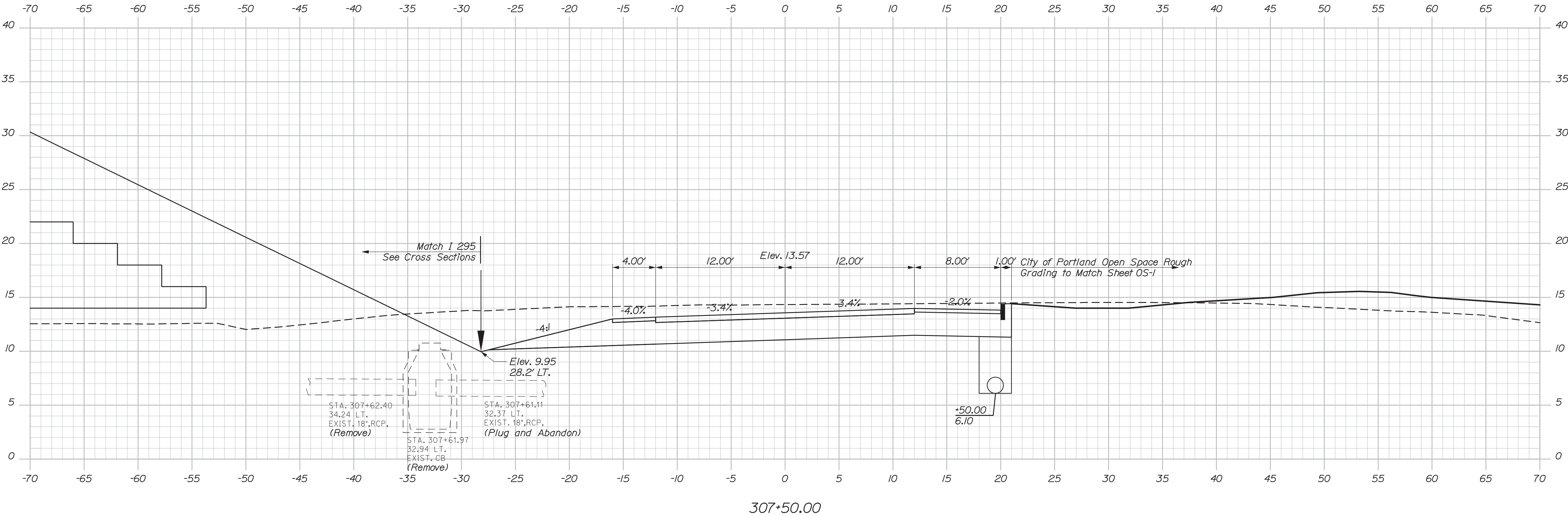
PROJ. MANAGER	DESIGNED	CHECKED	DATE	BY	DATE	SIGNATURE
LEDD	CDH	LCD	2/20		2/20	
DESIGNED	DESIGNED	DESIGNED				P.E. NUMBER
REVISIONS 1						DATE
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



HNTB

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)
WIN 021745.00
BRIDGE NO. 5933
BRIDGE PLANS

PROJ. MANAGER	DESIGNED	CHECKED	DATE
EDD	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	SIGNATURE
EDD	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	P.E. NUMBER
EDD	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	DATE
EDD	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	FIELD CHANGES
EDD	CDH	LCD	2/20

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
I 295 NB OFF RAMP

SHEET NUMBER
82
OF 220

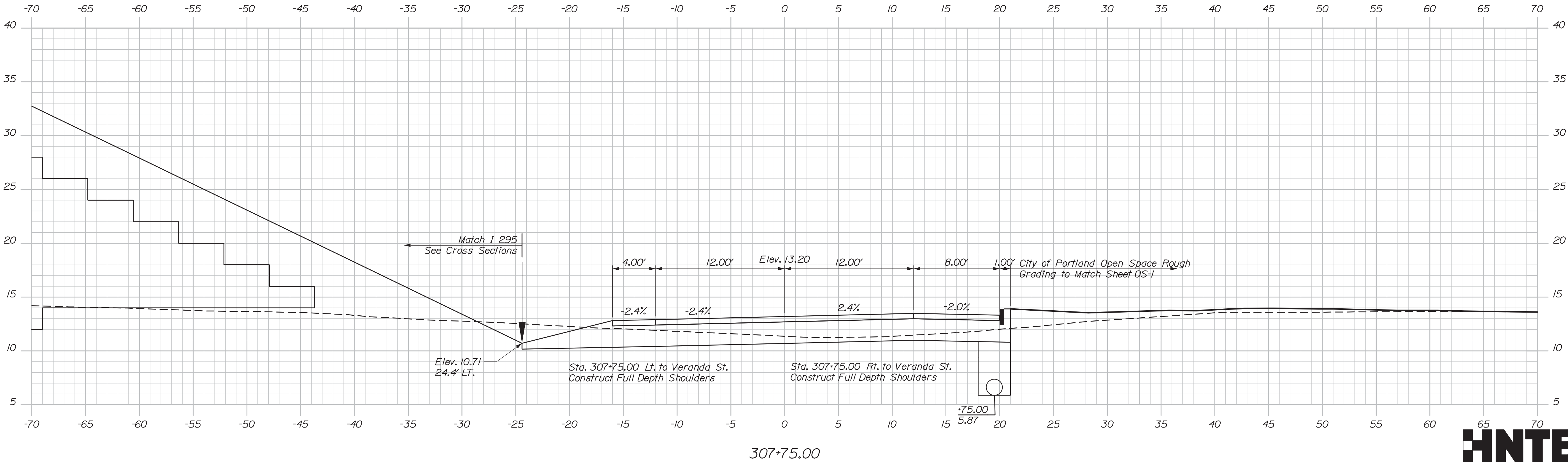
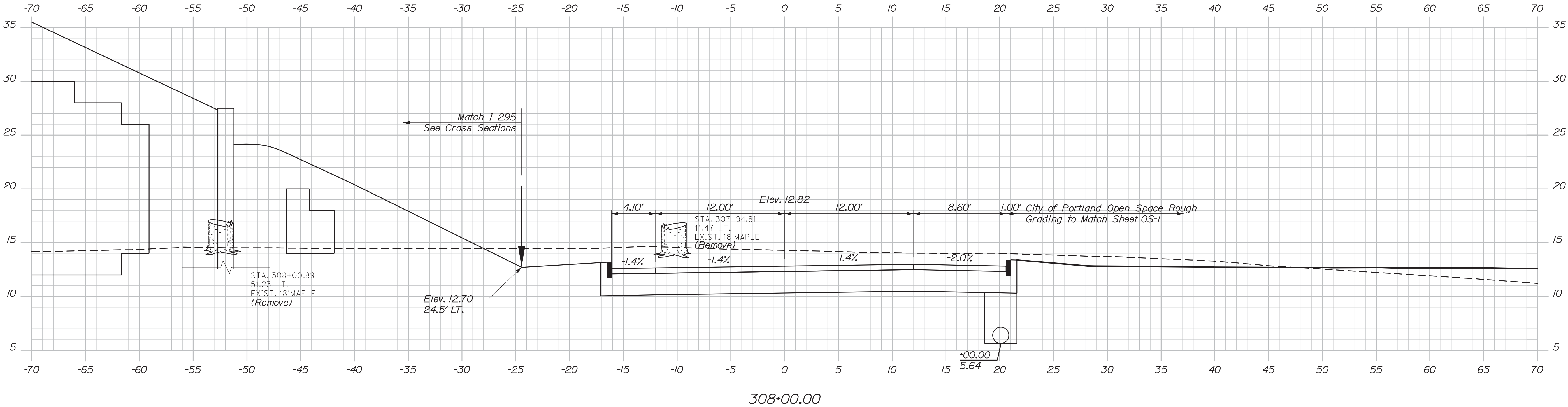
Sta. 307+25.00 to Sta. 307+50.00

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



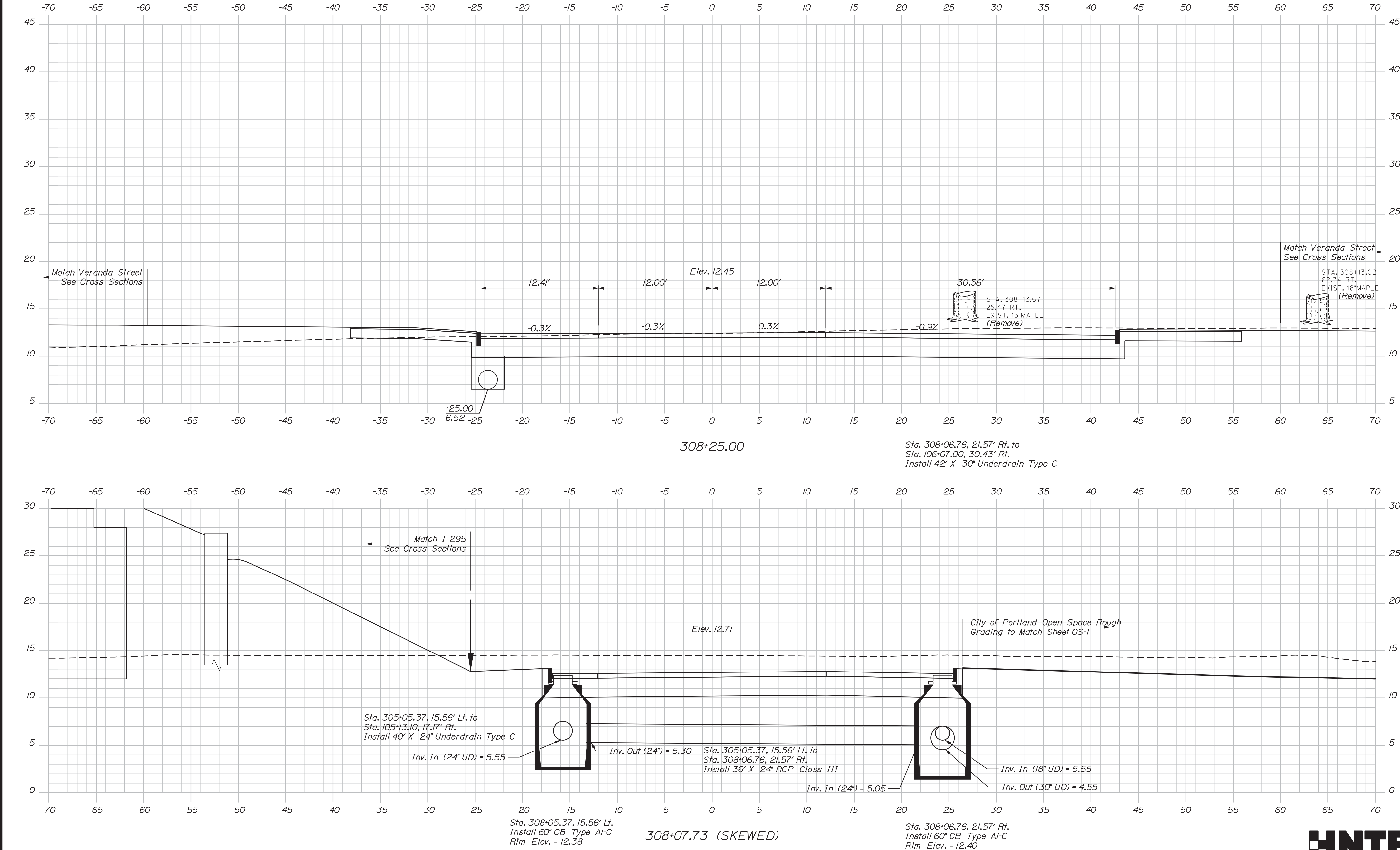
PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date:3/3/2020

Username:

Division:

Filename: Xsect_295 Off Ramp.dgn



HNTB

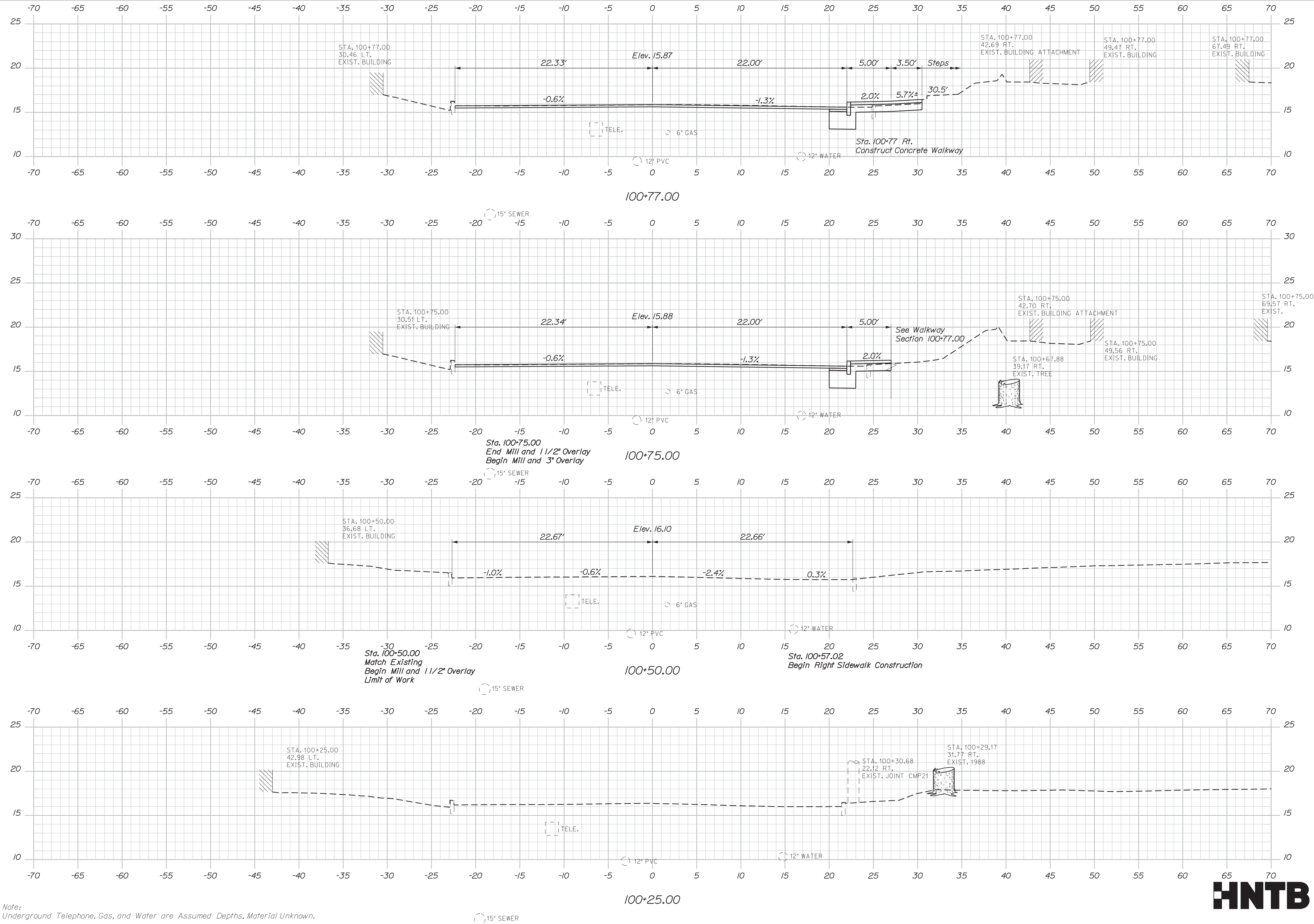
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE
	EDD	CDH	2/20	LZD	2/20	
DESIGN-DETAILED	CHECKED-REVIEWED	DATE	P.E. NUMBER	DATE		
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NHPP-2174(500)

BRIDGE NO. 5933
WIN
021745.00
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

CROSS SECTIONS
VERANDA STREET

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LJD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER
85
OF 220

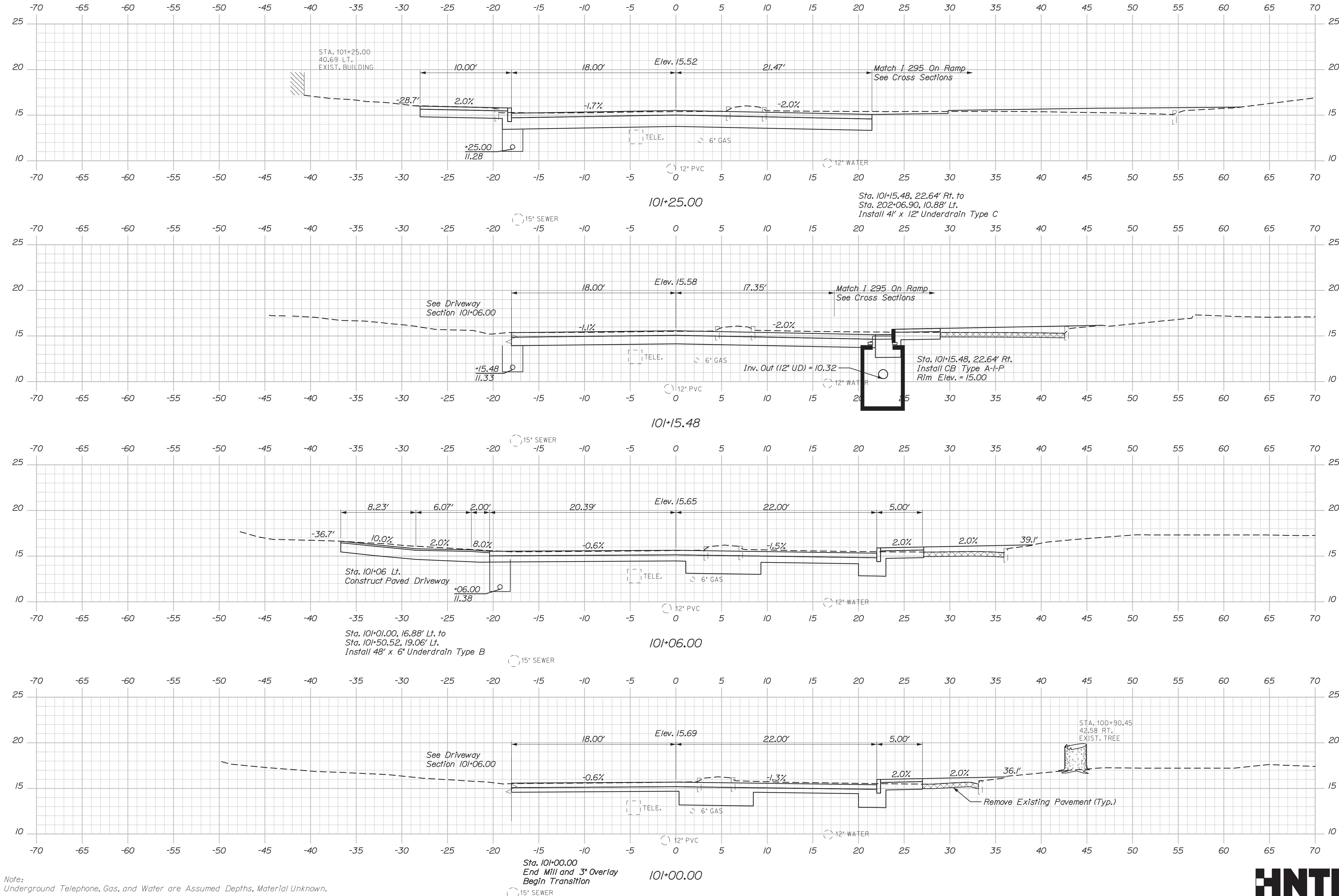


Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



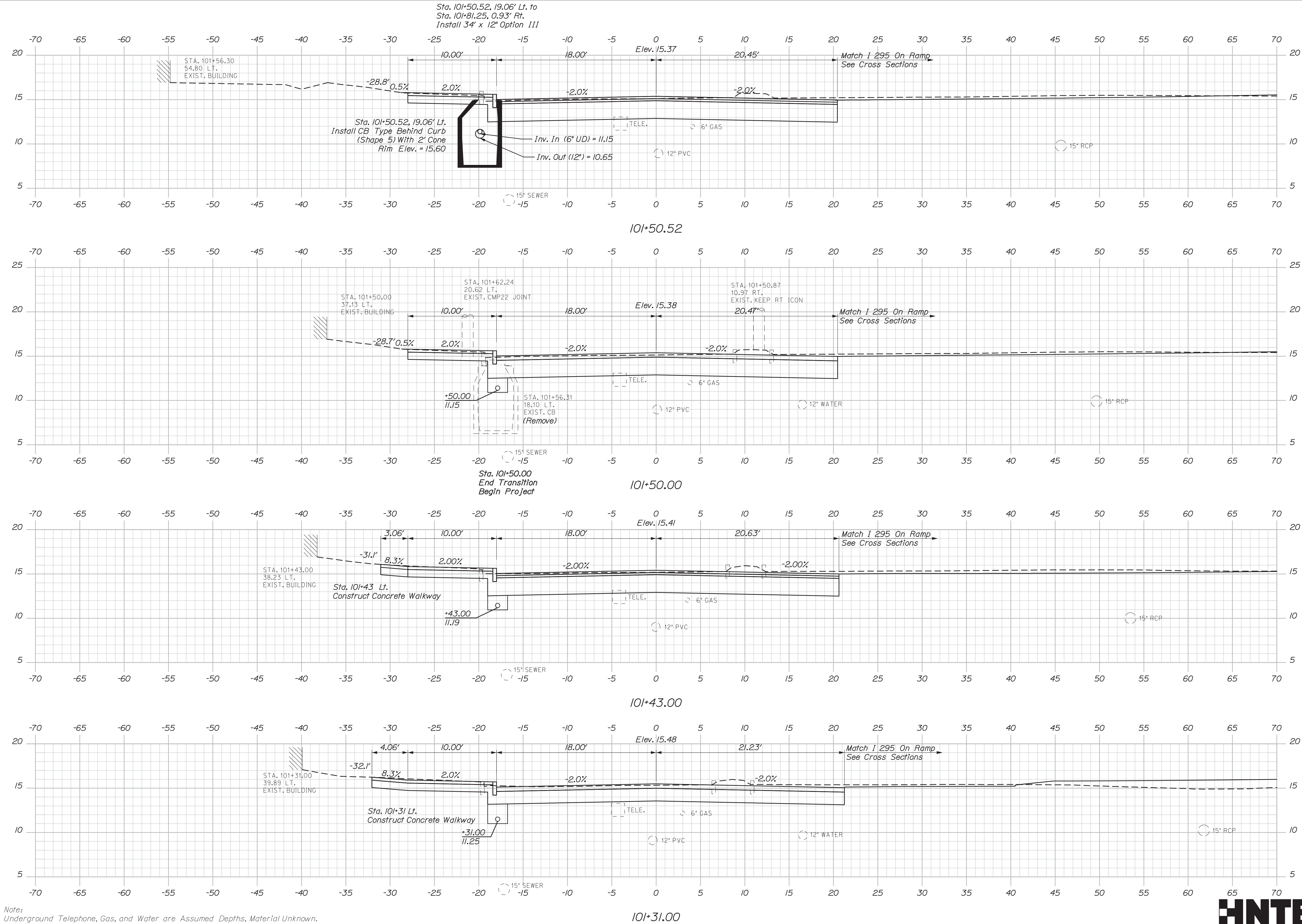
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		VERANDA STREET	
CROSS SECTIONS		VERANDA STREET		SHEET NUMBER	
86		OF 220		Sta. 101+00.00 to Sta. 101+25.00	
WIN		021745.00		BRIDGE PLANS	

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NHPP-2174(500)

BRIDGE NO. 5933
WIN 021745.00
BRIDGE PLANS

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

CROSS SECTIONS
VERANDA STREET

PROJ. MANAGER	D. EATON	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	LED	CDH	2/20			
CHECKED-REVIEWED	RWH	LZD	2/20			
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

SHEET NUMBER

87

OF 220

Filename: Xsect_Veranda.dgn



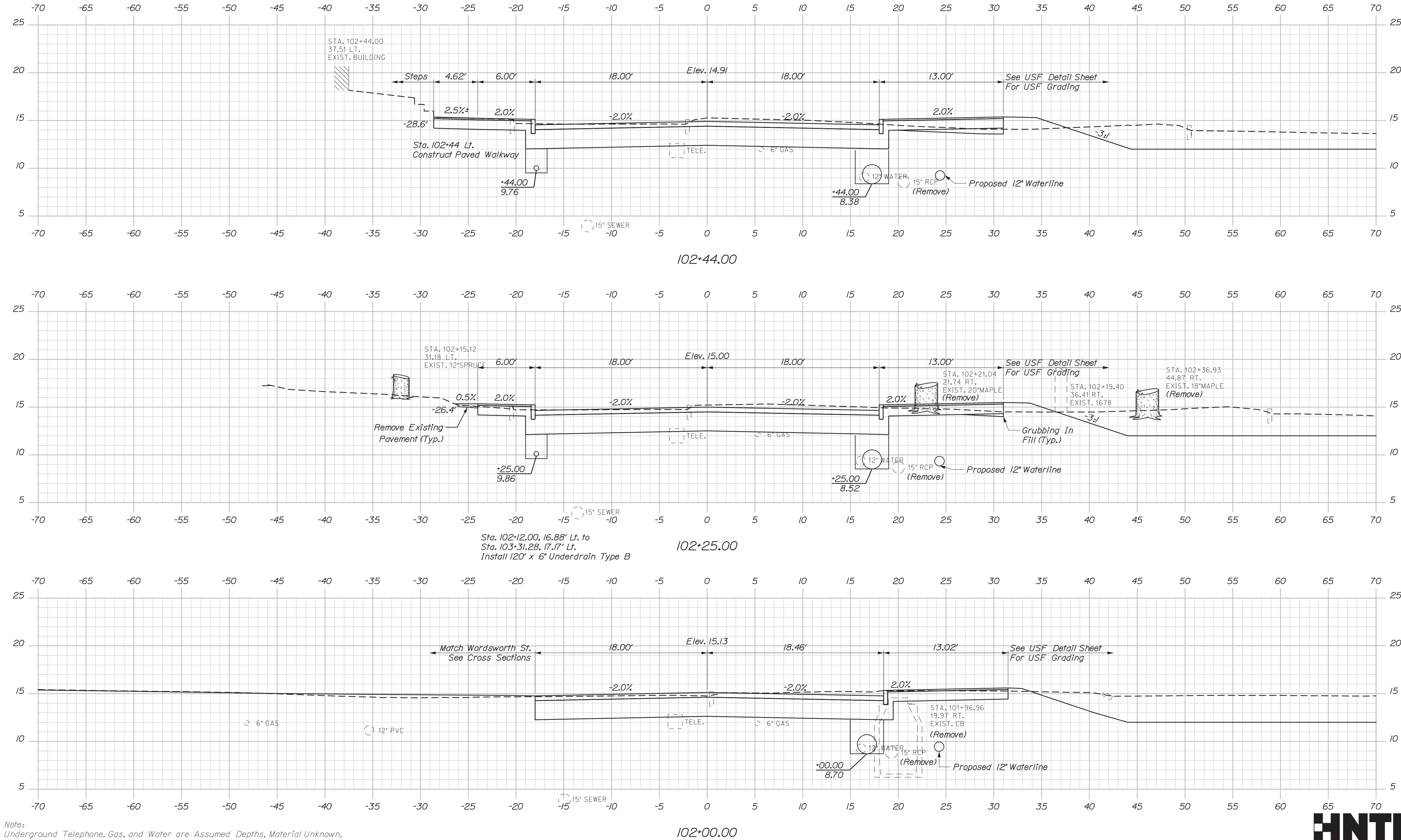
08 OF 220		SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
						DESIGN-DETAILED		EOD		CDH		2/20							
08						CHECKED-REVIEWED		RWH		LZD		2/20		SIGNATURE					
						DESIGN2-DETAILED2													
						DESIGN3-DETAILED3													
						REVISIONS 1				P.E. NUMBER									
						REVISIONS 2								NHPP-2174(500)					
						REVISIONS 3													
						REVISIONS 4													
						FIELD CHANGES													
										DATE				BRIDGE NO.5933		WIN 021745.00		BRIDGE PLANS	

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



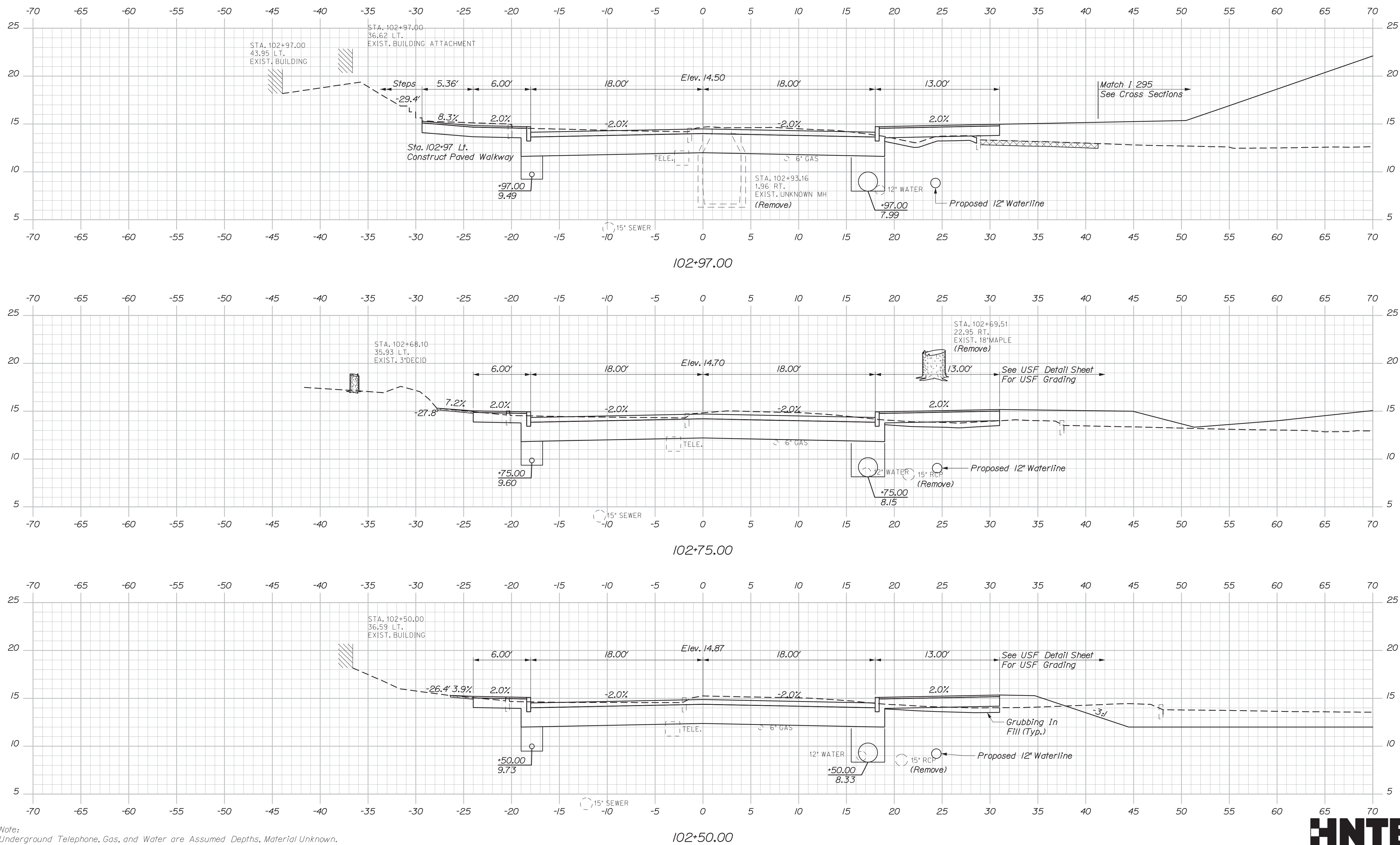
Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		WIN		021745.00		BRIDGE NO.5933	
INTERSTATE 295 OVER		VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		CROSS SECTIONS		VERANDA STREET	
PROJECT MANAGER		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 1		REVISIONS 2	
D. EATON		LED		RWI		RWI		REVISIONS 3		REVISIONS 4	
BY		CDH		LSD		LSD		DATE		DATE	
DATE		2/20		2/20		2/20		SIGNATURE		P.E. NUMBER	
SHEET NUMBER		89		OF 220		FIELD CHANGES					

Sta. 102+00.00 to Sta. 102+44.00

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

HNTB

Sta. 102+50.00 to Sta. 102+97.00

BRIDGE NO. 5933	WIN	BRIDGE PLANS
NHPP-2174(500)		

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	EOD	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED02			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET

SHEET NUMBER

90

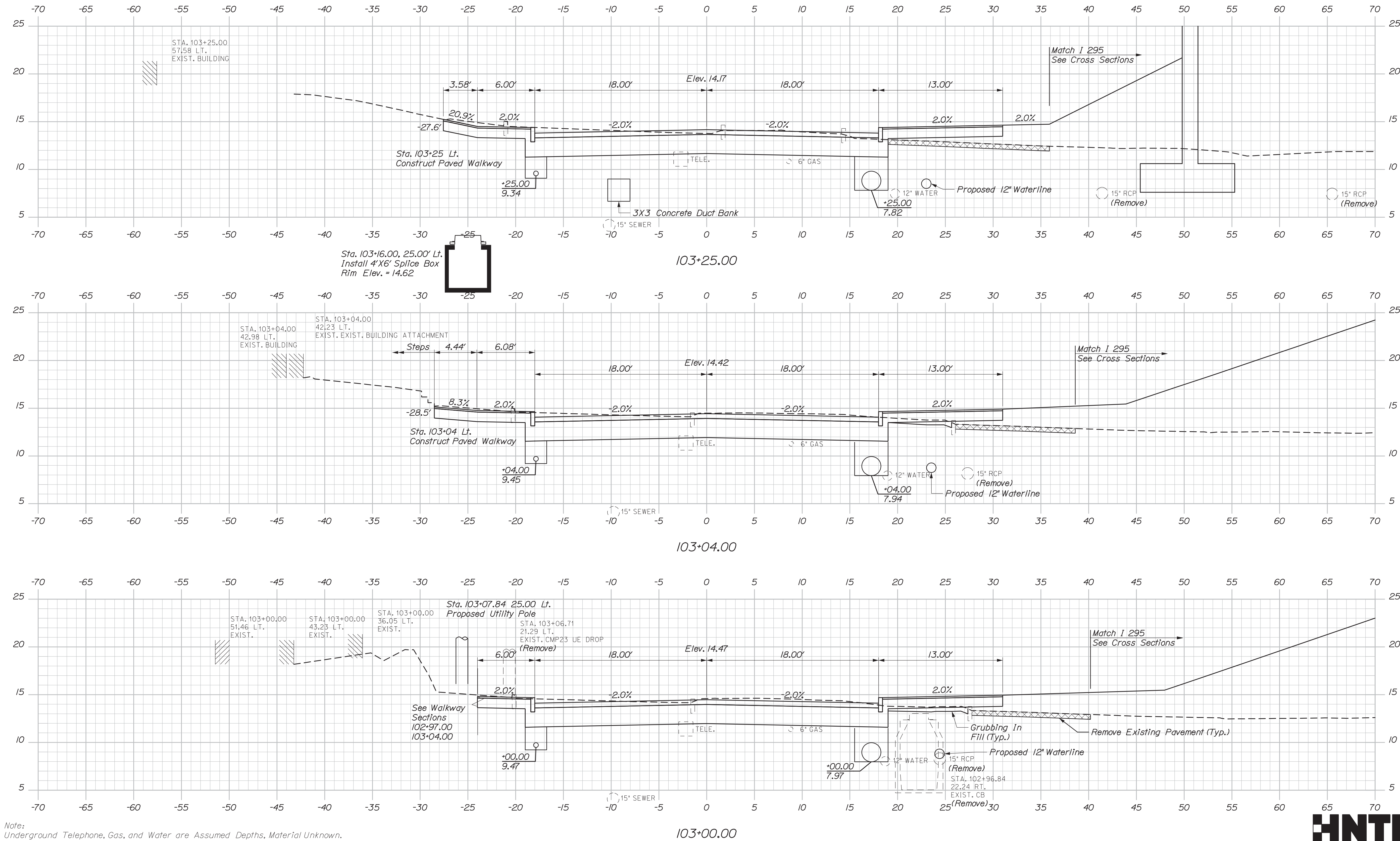
OF 220

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note: Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



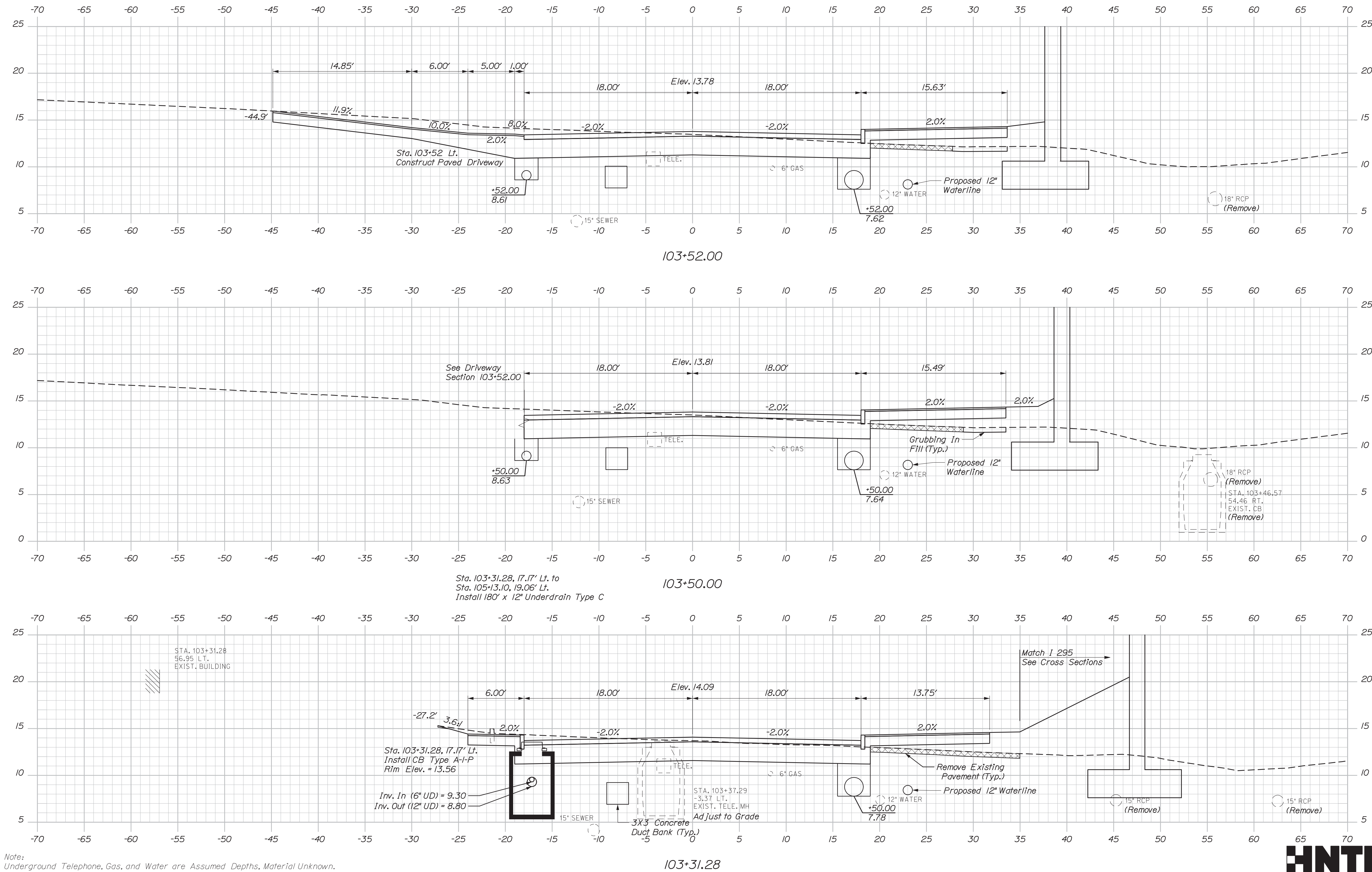
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET	
SHEET NUMBER		91		OF 220	
DATE		2/20		2/20	
BY		CDH		LSD	
DESIGNED		LEDD		RWI	
CHECKED		RWI		RWI	
DESIGNED		RWI		RWI	
REVISIONS 1		RWI		RWI	
REVISIONS 2		RWI		RWI	
REVISIONS 3		RWI		RWI	
REVISIONS 4		RWI		RWI	
FIELD CHANGES		RWI		RWI	

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note: Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		CROSS SECTIONS VERANDA STREET		SHEET NUMBER	
DATE		BY		SIGNATURE		P.E. NUMBER		DATE	
2/20		CDH							
2/20		LZD							
DESIGN-DETAILED		EOD		DESIGN-DETAILED		REVISIONS 1		REVISIONS 2	
CHECKED-REVIEWED		RWI		DESIGN-DETAILED		REVISIONS 3		REVISIONS 4	
FIELD CHANGES									

92
OF 220

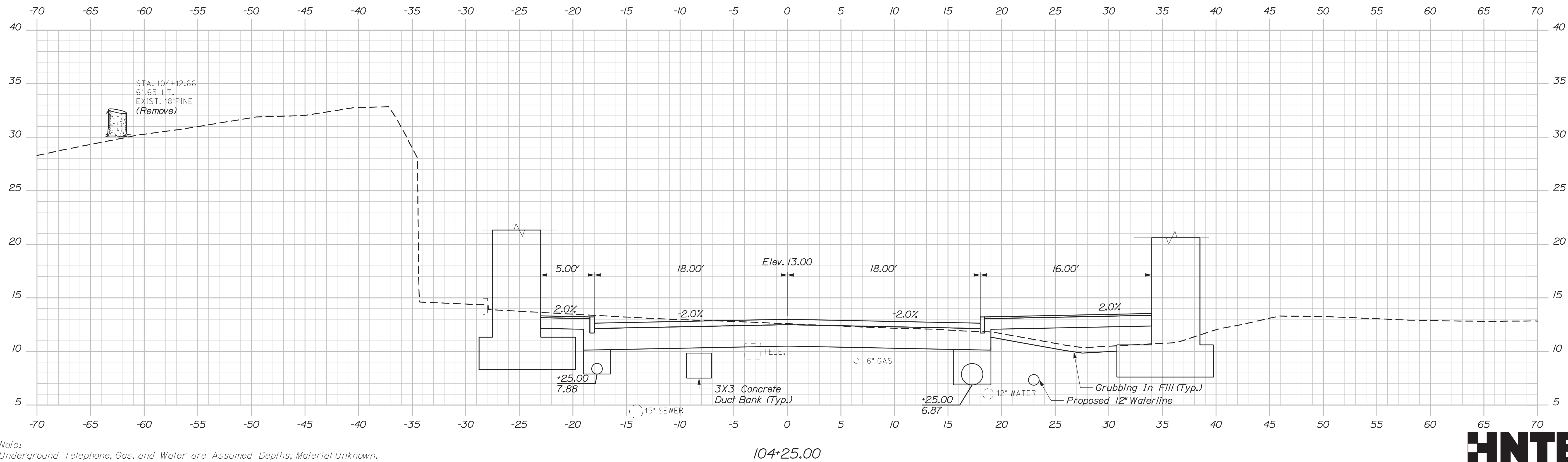
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Sta. 103+71.00 to Sta. 104+00.00

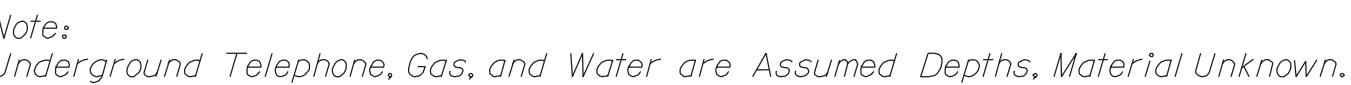
SHEET NUMBER										STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)									
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY CROSS SECTIONS VERANDA STREET										PROJ. MANAGER		D. EATON		BY		DATE			
										DESIGN-DETAILED		EOD		COH		2/20			
										CHECKED-REVISED		RWH		LZO		2/20			
										DESIGN2-DETAILED2									
										DESIGN3-DETAILED3						P.E. NUMBER			
										REVISIONS 1									
										REVISIONS 2									
										REVISIONS 3									
										REVISIONS 4						DATE			
										FIELD CHANGES									
										BRIDGE NO.5933		WIN 021745.00		BRIDGE PLANS					

Filename: Xsect_Veranda.dgn



SHEET NUMBER	INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER	D. EATON	BY	DATE
	CROSS SECTIONS VERANDA STREET				DESIGN-DETAILED	EOD	CDH	2/20
					CHECKED-REVIEWED	RWH	LZO	2/20
					DESIGN-DETAILED			
					DESIGN-DETAILED			
					REVISIONS 1			P.E. NUMBER
					REVISIONS 2			
					REVISIONS 3			
					REVISIONS 4			DATE
					FIELD CHANGES			
STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)					BRIDGE NO. 5933 WIN 021745.00 BRIDGE PLANS			

Filename: Xsect_Veranda.dgn



HNTB

Sta. 104+75.00 to Sta. 104+75.00

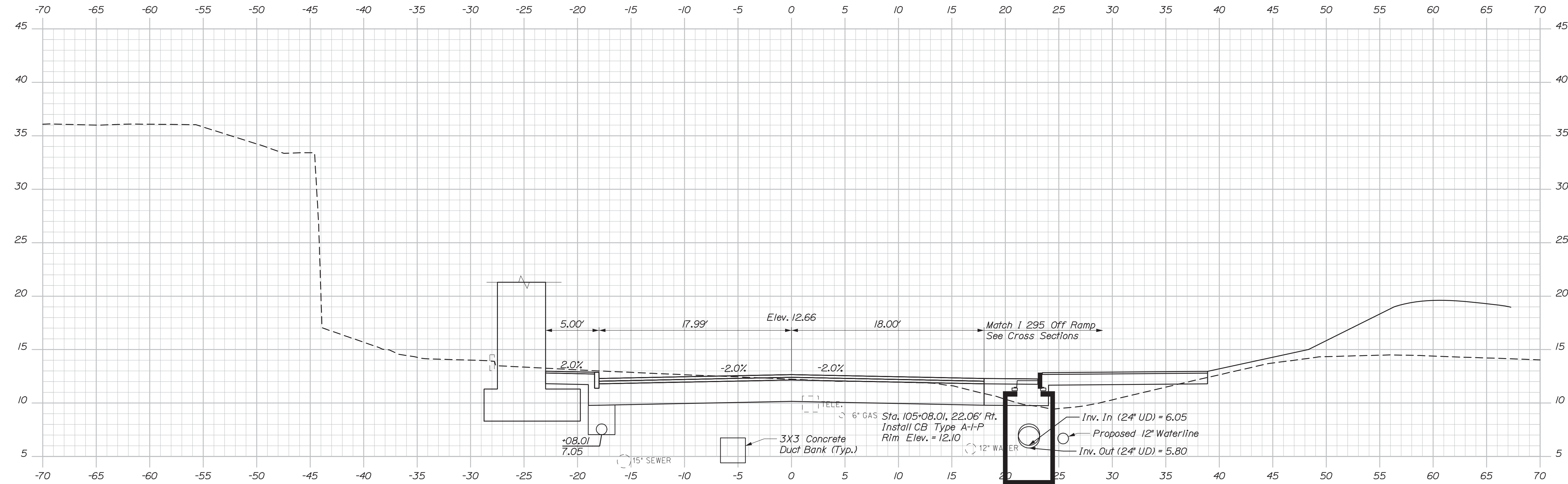
95 OF 220	SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY										STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)									
			CROSS SECTIONS VERANDA STREET										BRIDGE NO. 5933WIN021745.00BRIDGE PLANS									
											PROJ. MANAGER		D. LEON		BY		DATE		SIGNATURE			
											DESIGNED-DETAILED		ED		COH		2/2/20					
											CHECKED-REVIEWED		RW		COH		2/2/20					
											DESIGNED-DETAILED 02											
											DESIGNED-DETAILED 03											
											REVISIONS 1								P.E. NUMBER			
											REVISIONS 2											
											REVISIONS 3											
										REVISIONS 4								DATE				
										FIELD CHANGES												

Date:3/3/2020

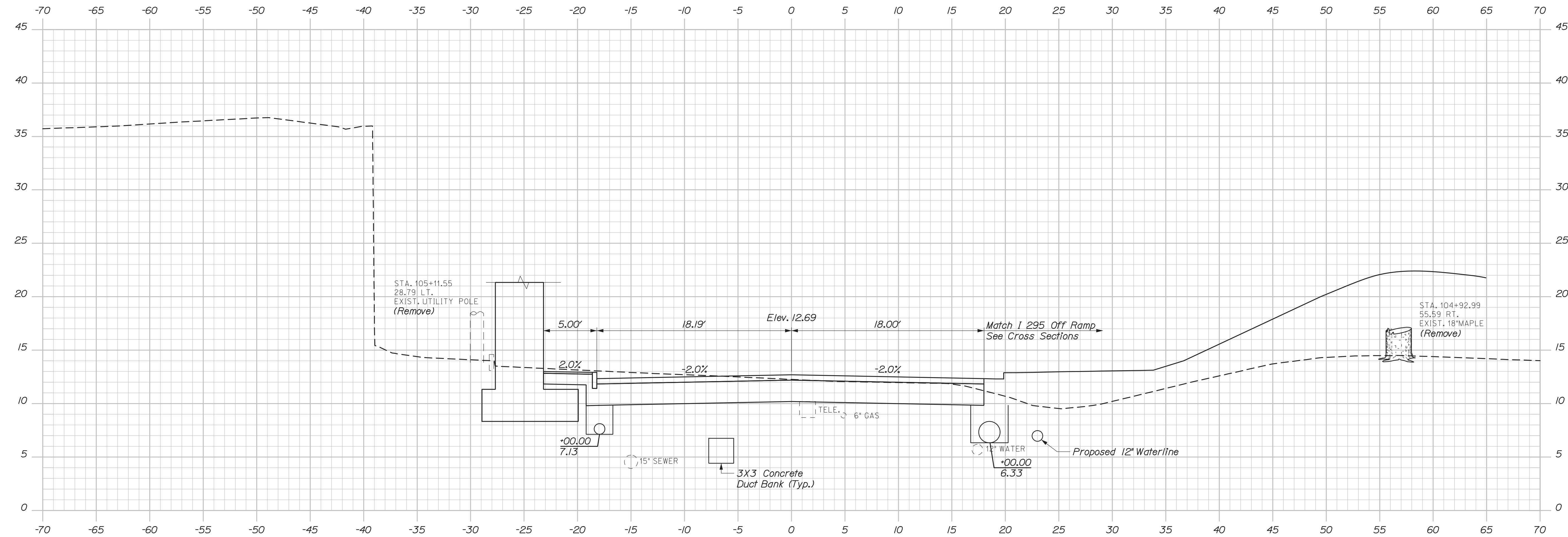
Username:

Division:

Filename: Xsect_Veranda.dgn



105+08.01



105+00.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



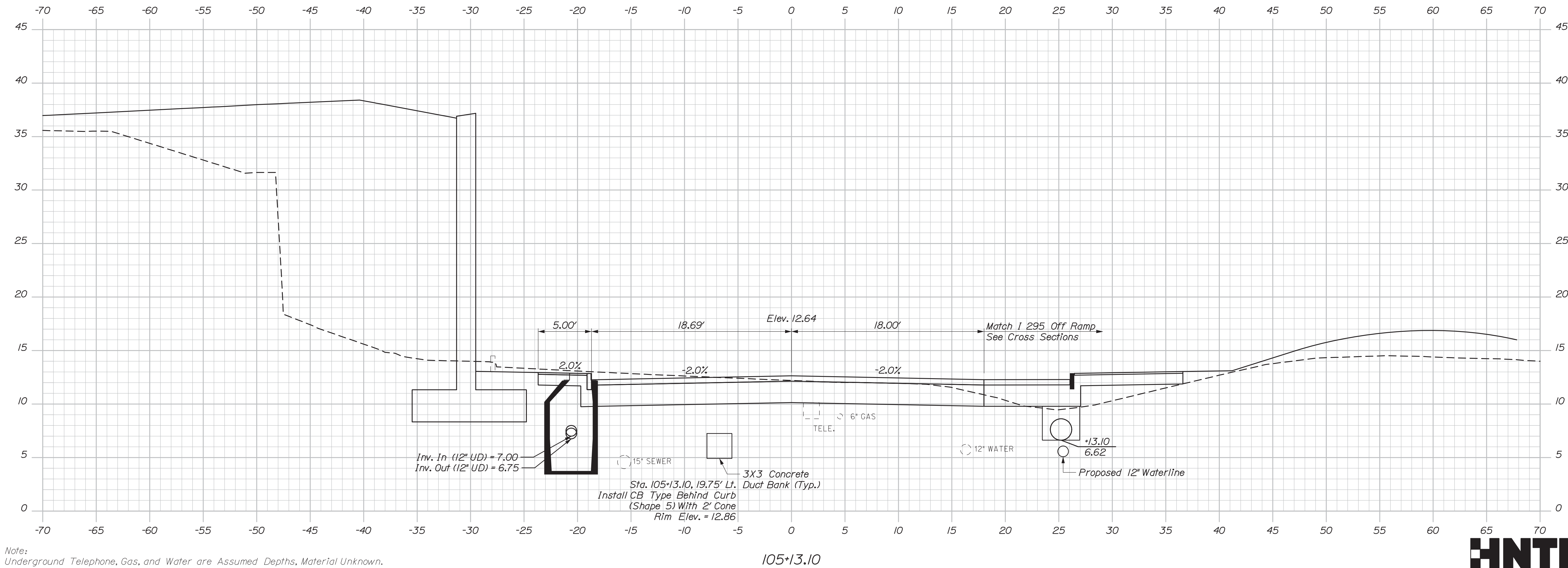
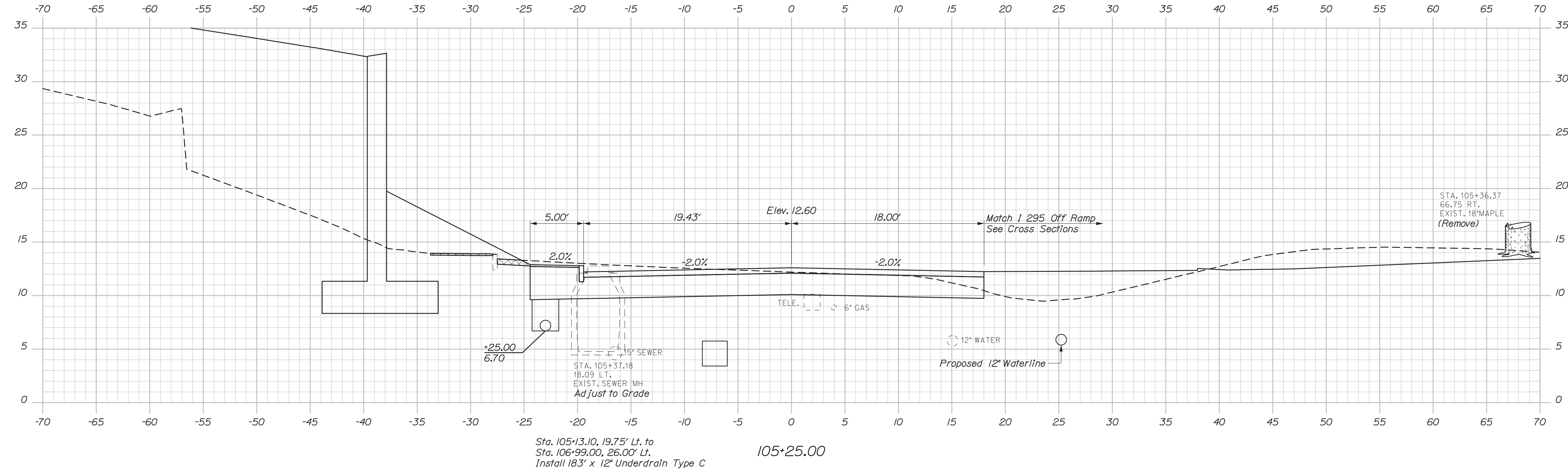
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		WIN		021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		PORTLAND		CROSS SECTIONS		VERANDA STREET		SHEET NUMBER	
DATE		BY		SIGNATURE		P.E. NUMBER		DATE		96	
2/20		CDH								OF 220	
2/20		LJD									
DESIGN-DETAILED		LED		DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED			
CHECKED-REVIEWED		RWI		REVISIONS 1		REVISIONS 2		REVISIONS 3			
DESIGN-DETAILED		RWI		REVISIONS 4		FIELD CHANGES					

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn

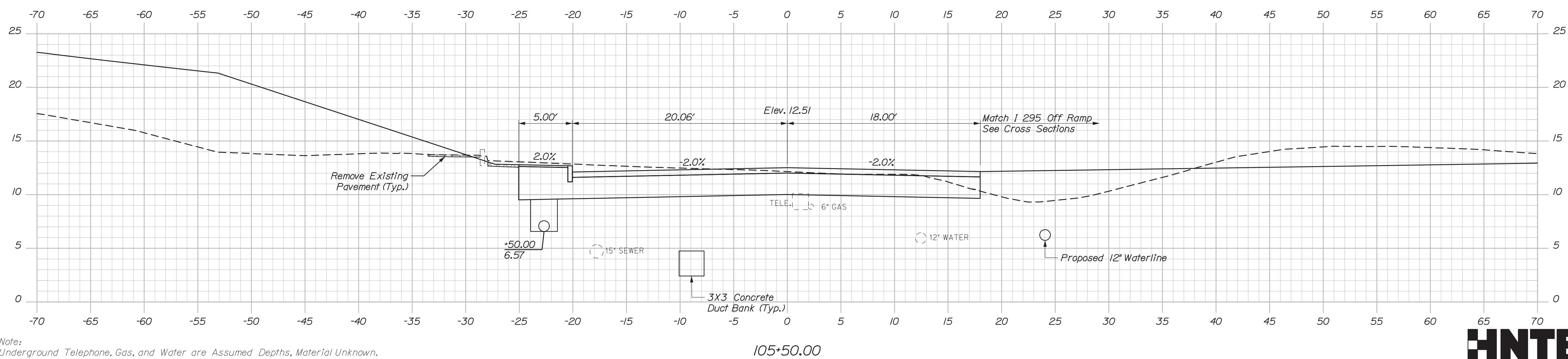
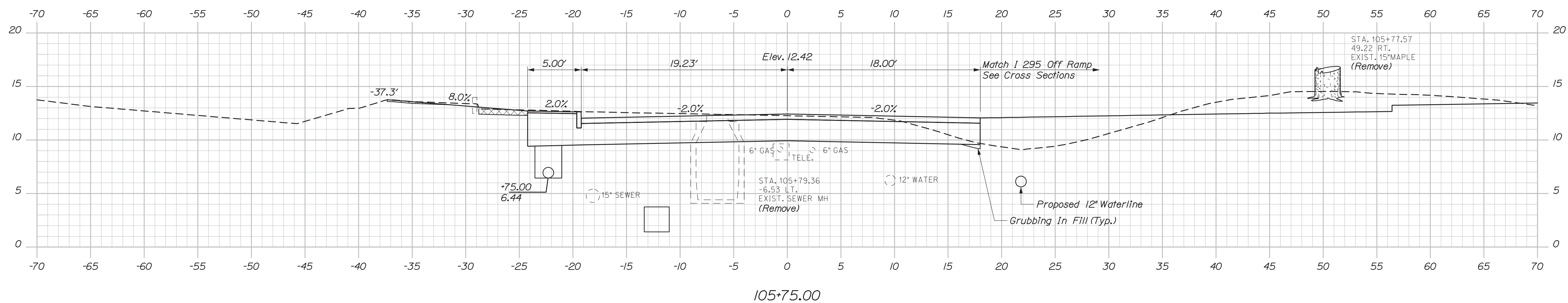
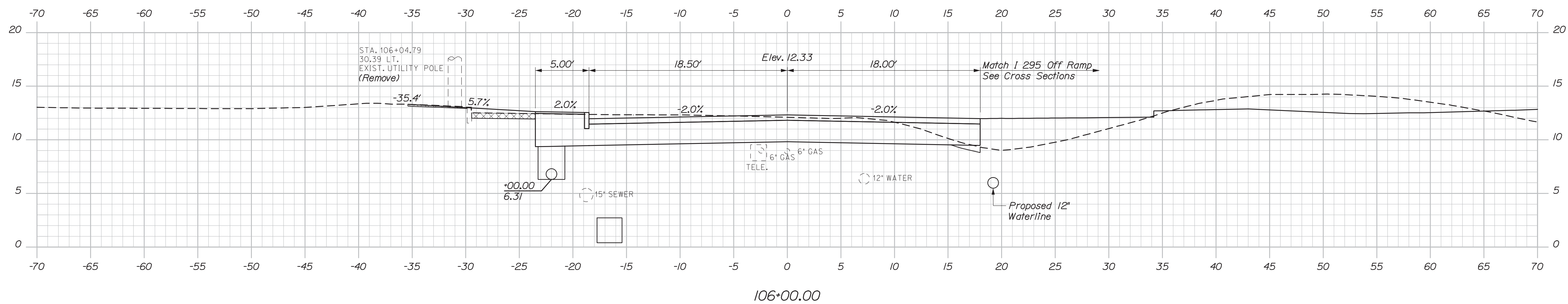


Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LJD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

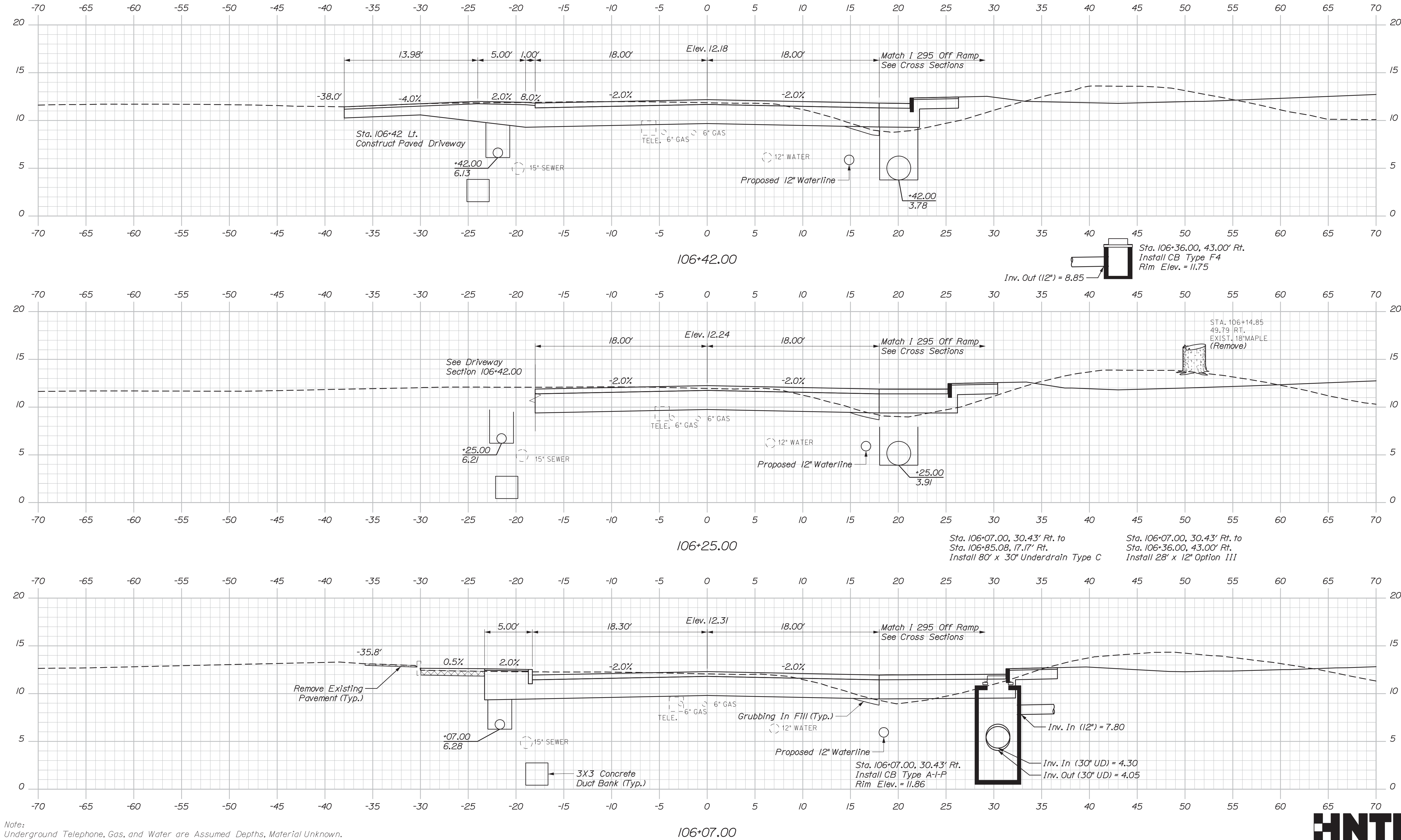
HNTB

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

HNTB

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		CROSS SECTIONS		SHEET NUMBER	
PORTLAND		VERANDA STREET		VERANDA STREET		99	
OF 220		WIN		021745.00		BRIDGE PLANS	
DATE		BY		SIGNATURE		P.E. NUMBER	
2/20		CDH					
2/20		LSD					
DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED	
REVISIONS 1		REVISIONS 1		REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2		REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3		REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4		REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

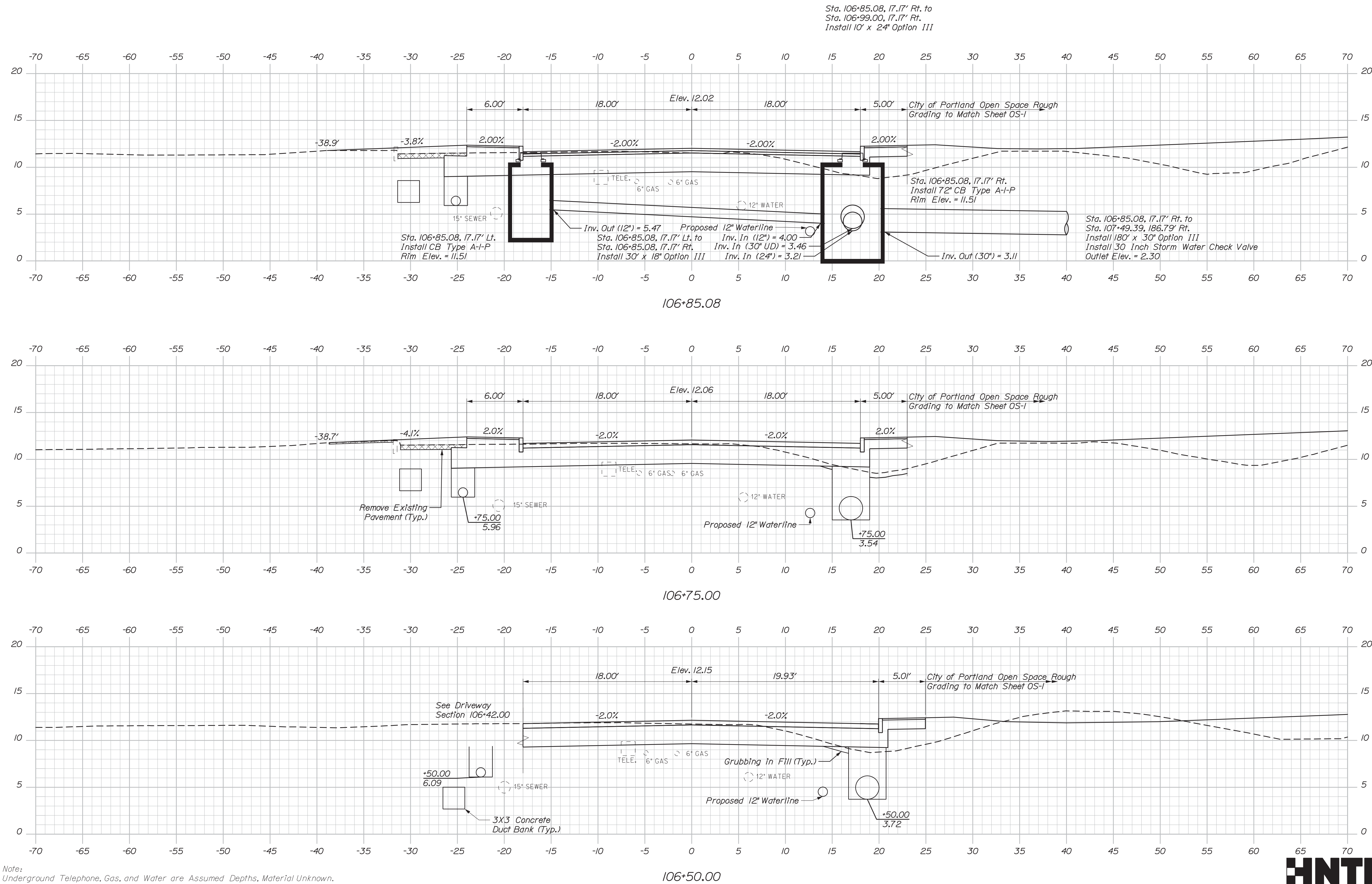
Sta. 106+07.00 to Sta. 106+42.00

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



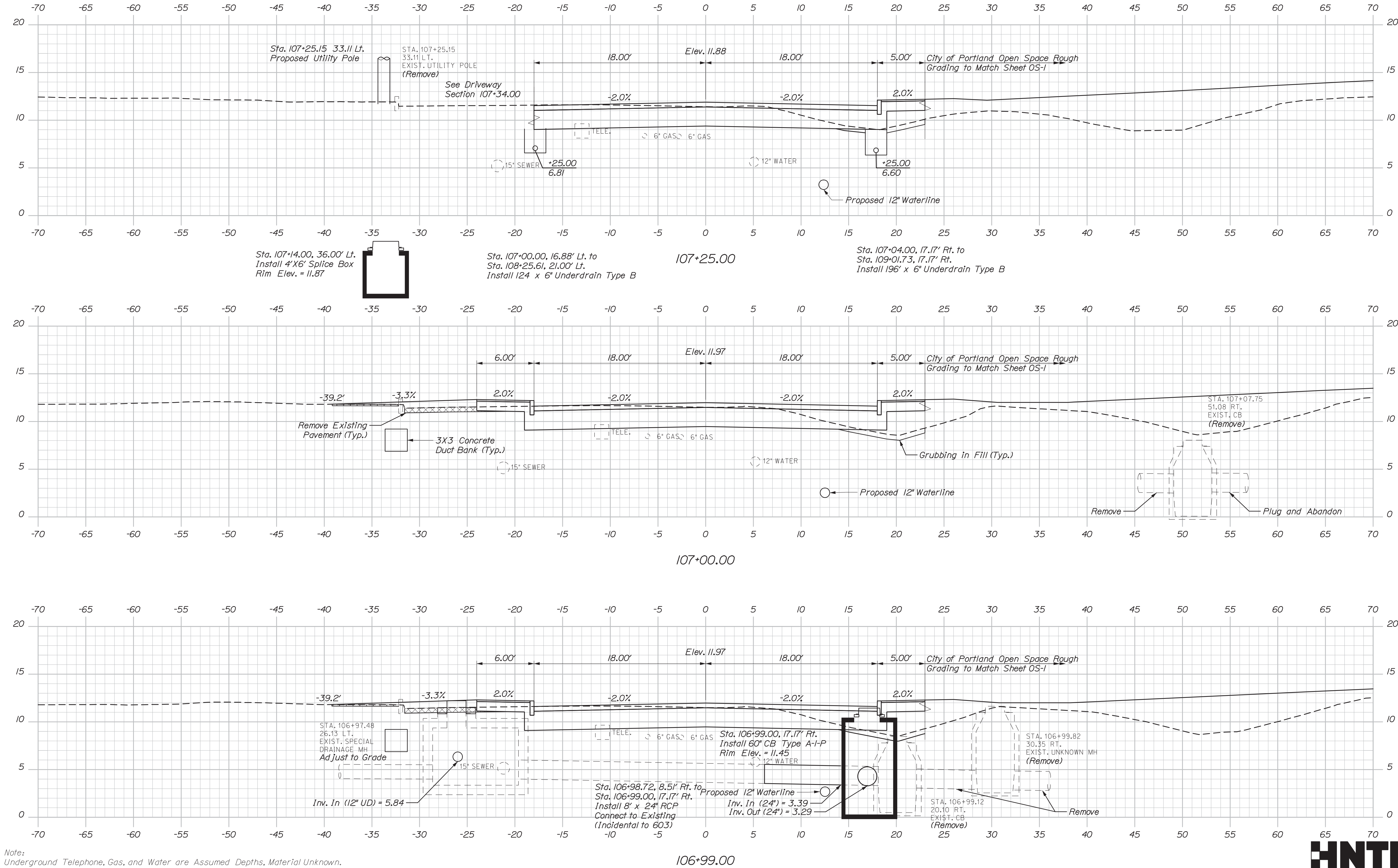
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		WIN		021745.00		BRIDGE NO. 5933		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		PORTLAND CUMBERLAND COUNTY		CROSS SECTIONS		VERANDA STREET		SHEET NUMBER		100		OF 220	
PROJ. MANAGER	DESIGN-DETAILED	EDD	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	FIELD CHANGES		REVISIONS		REVISIONS	
CHECKED-REVIEWED	LD	LD	LD	LD	LD	LD	LD	REVISIONS 1		REVISIONS 2		REVISIONS 3	
DESIGN-DETAILED	LD	LD	LD	LD	LD	LD	LD	REVISIONS 4		REVISIONS 5		REVISIONS 6	

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



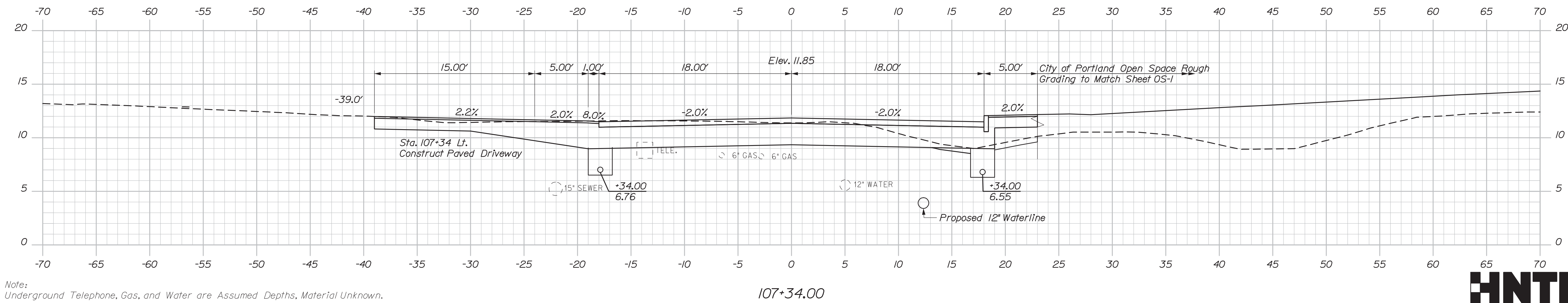
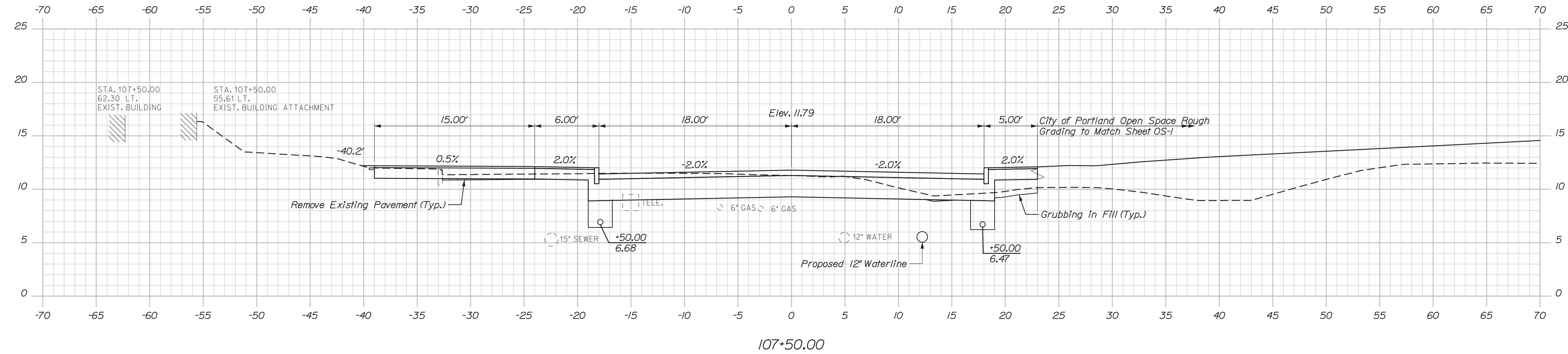
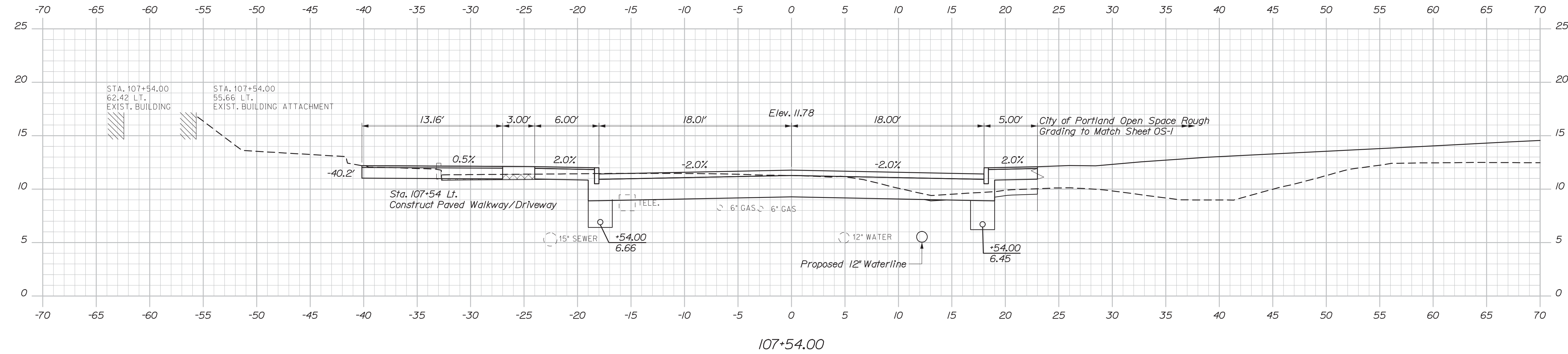
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00			
	SIGNATURE		P.E. NUMBER		DATE			
	DATE		DATE		DATE			
INTERSTATE 295 OVER VERANDA STREET			CUMBERLAND COUNTY			CROSS SECTIONS		
PORTLAND			VERANDA STREET			VERANDA STREET		
SHEET NUMBER						101		
						OF 220		
Sta. 107+00.00 to Sta. 107+25.00								

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	DESIGNED	CHECKED	DATE
LEDD	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	SIGNATURE
DESIGNED	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	P.E. NUMBER
DESIGNED	CDH	LCD	2/20
DESIGNED	CHECKED	DATE	DATE
DESIGNED	CDH	LCD	2/20

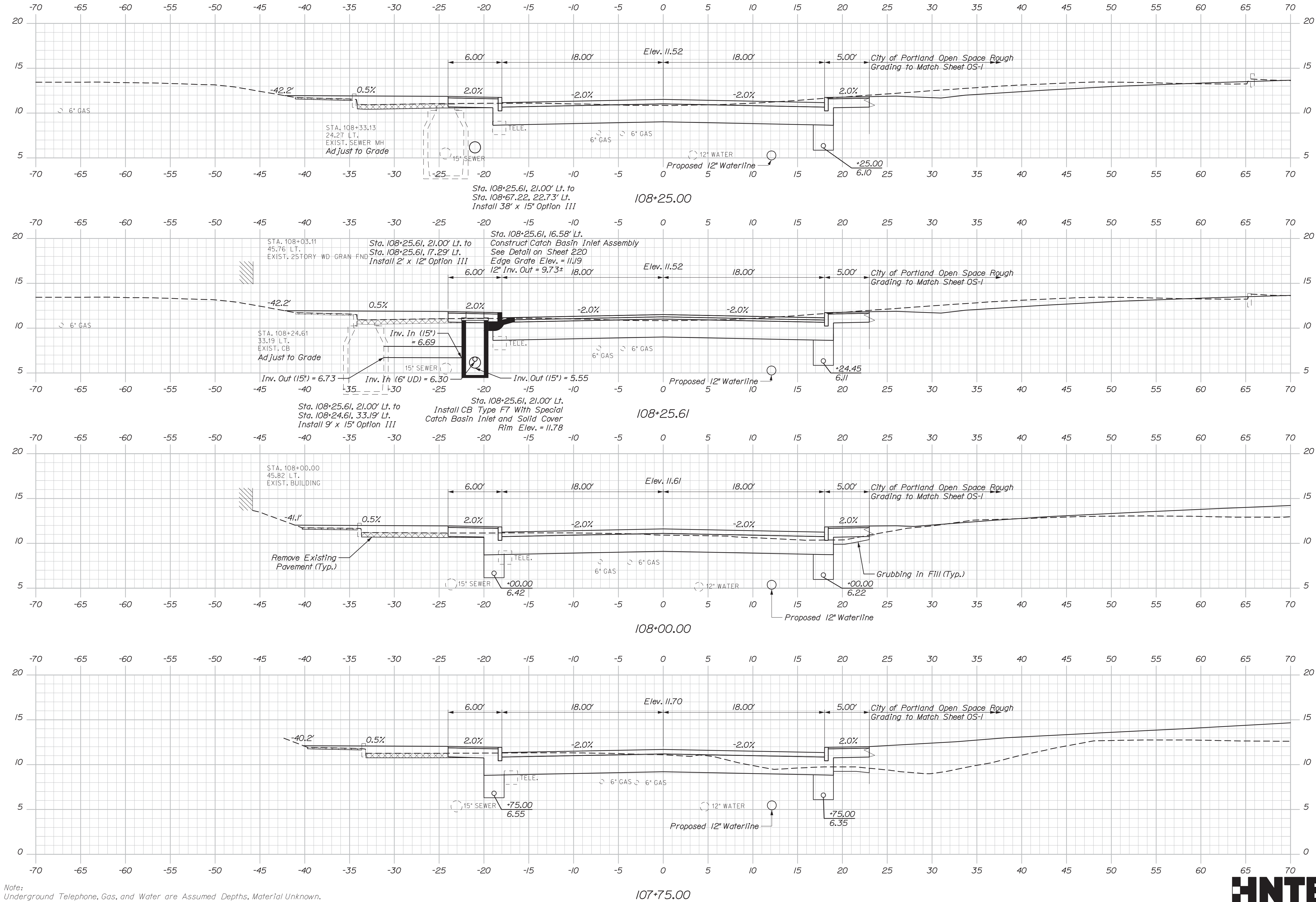
INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET	
SHEET NUMBER		103		OF 220	
DATE		2/20		SIGNATURE	
BY		LD		P.E. NUMBER	
D. EATON		LTD		DATE	
PROJ. MANAGER		DESIGNED		REVISIONS 1	
CHECKED		REVIEWED		REVISIONS 2	
DESIGNED		REVIEWED		REVISIONS 3	
DESIGNED		REVIEWED		REVISIONS 4	
DESIGNED		REVIEWED		FIELD CHANGES	

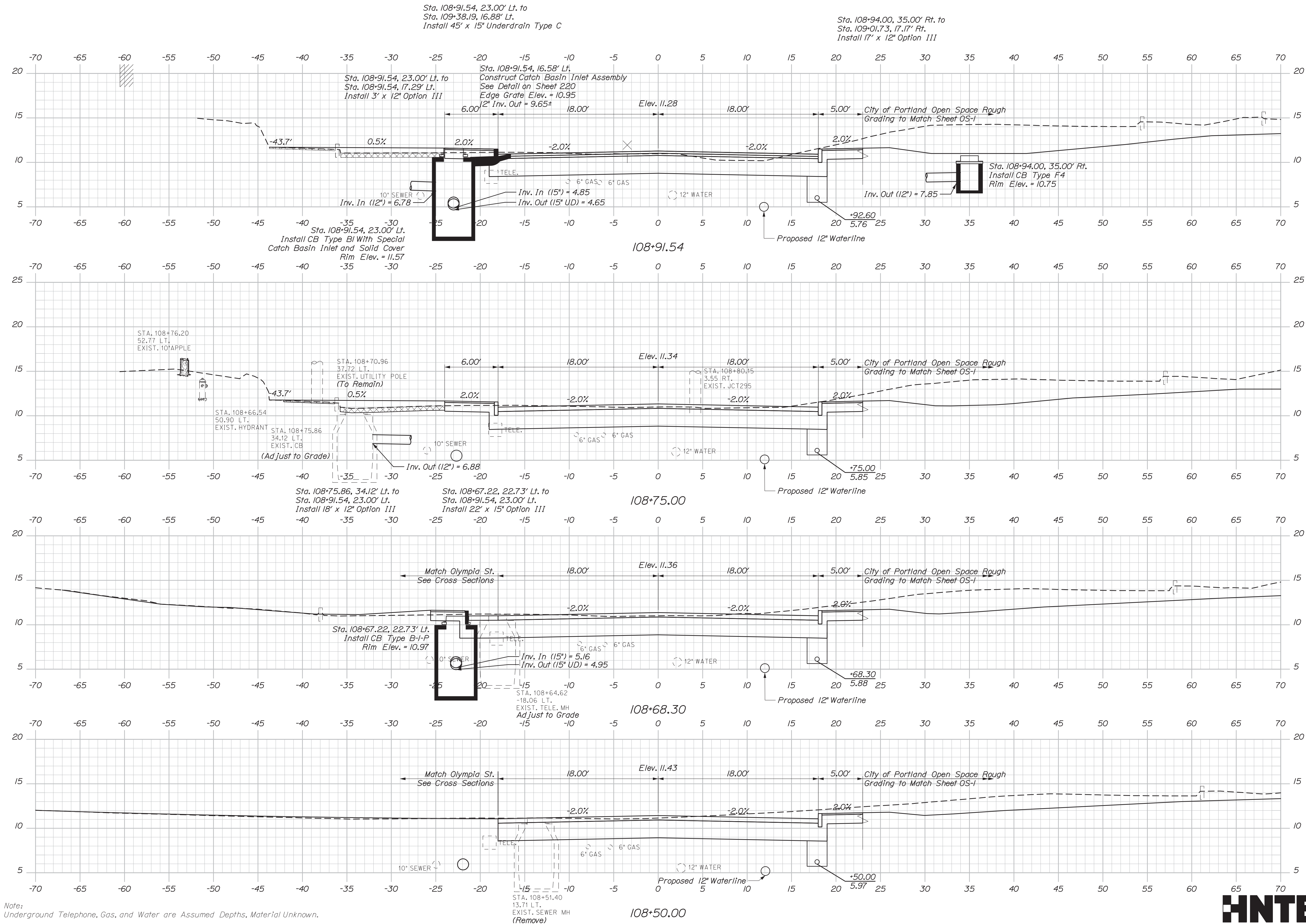
Sta. 107+75.00 to Sta. 108+25.00

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



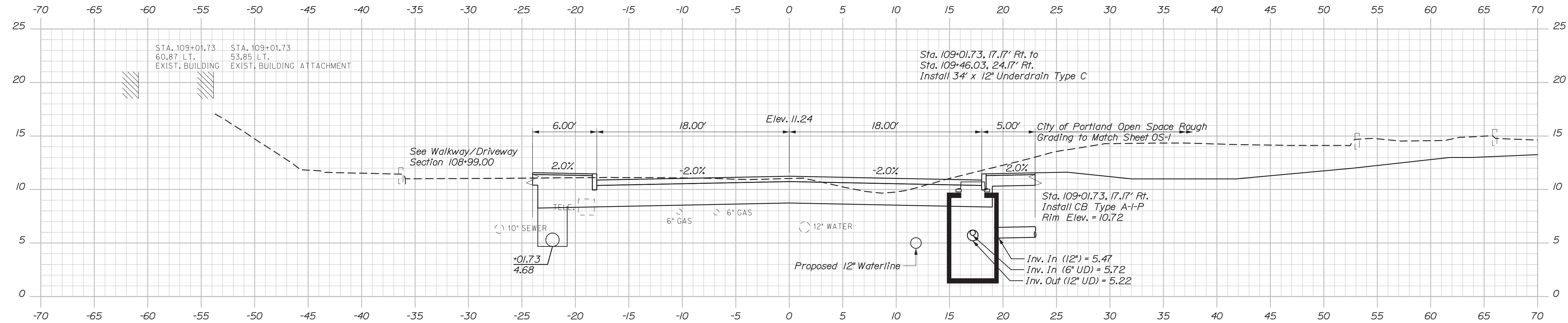
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET		SHEET NUMBER 104 OF 220	
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
D. EATON	LEDD	CDH	LCD				
BY	DATE	SIGNATURE		P.E. NUMBER		DATE	
	2/20						
	2/20						
WIN		021745.00		BRIDGE NO. 5933			

Date:3/3/2020

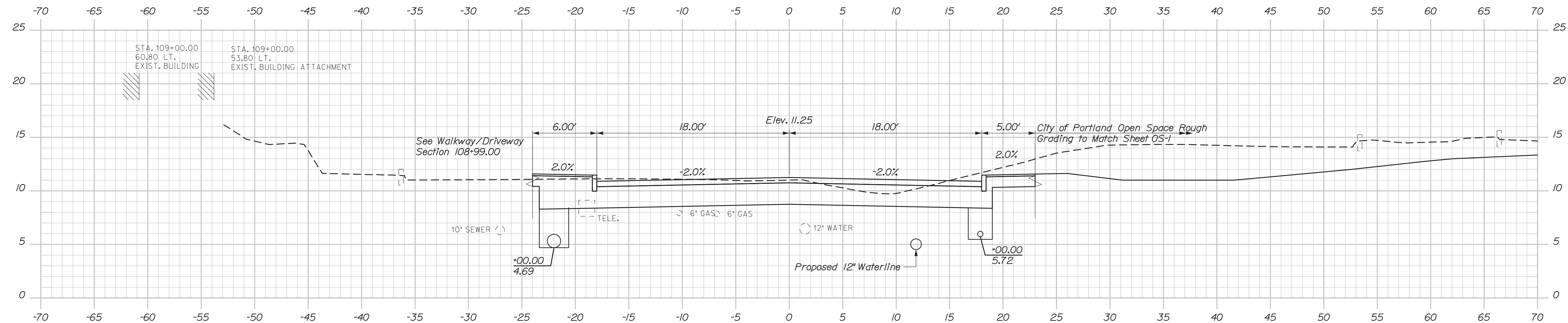
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Division:

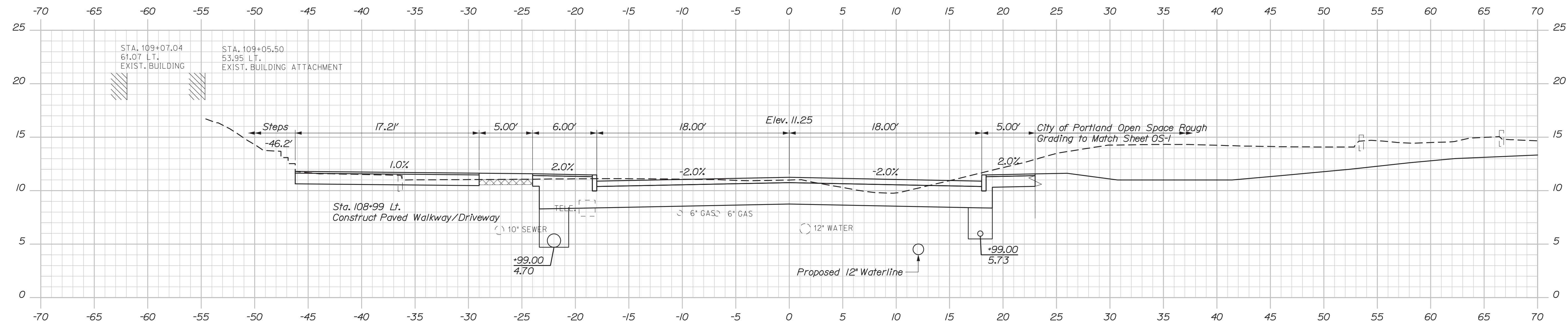
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109+01.73



109+00.00



108+99.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

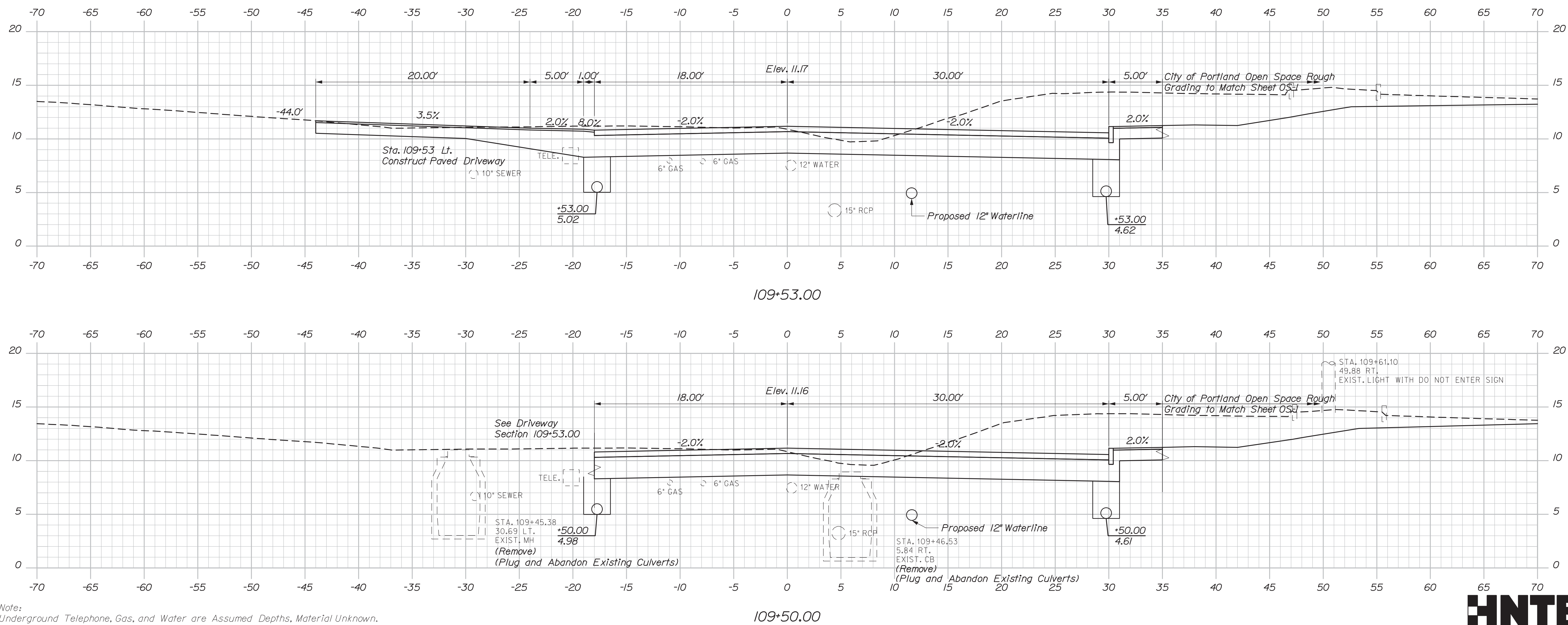


Filename: Xsect_Veranda.dgn



Sta. 109+21.00 to Sta. 109+38.19

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

HNTB

Sta. 109+46.03 to Sta. 109+53.00

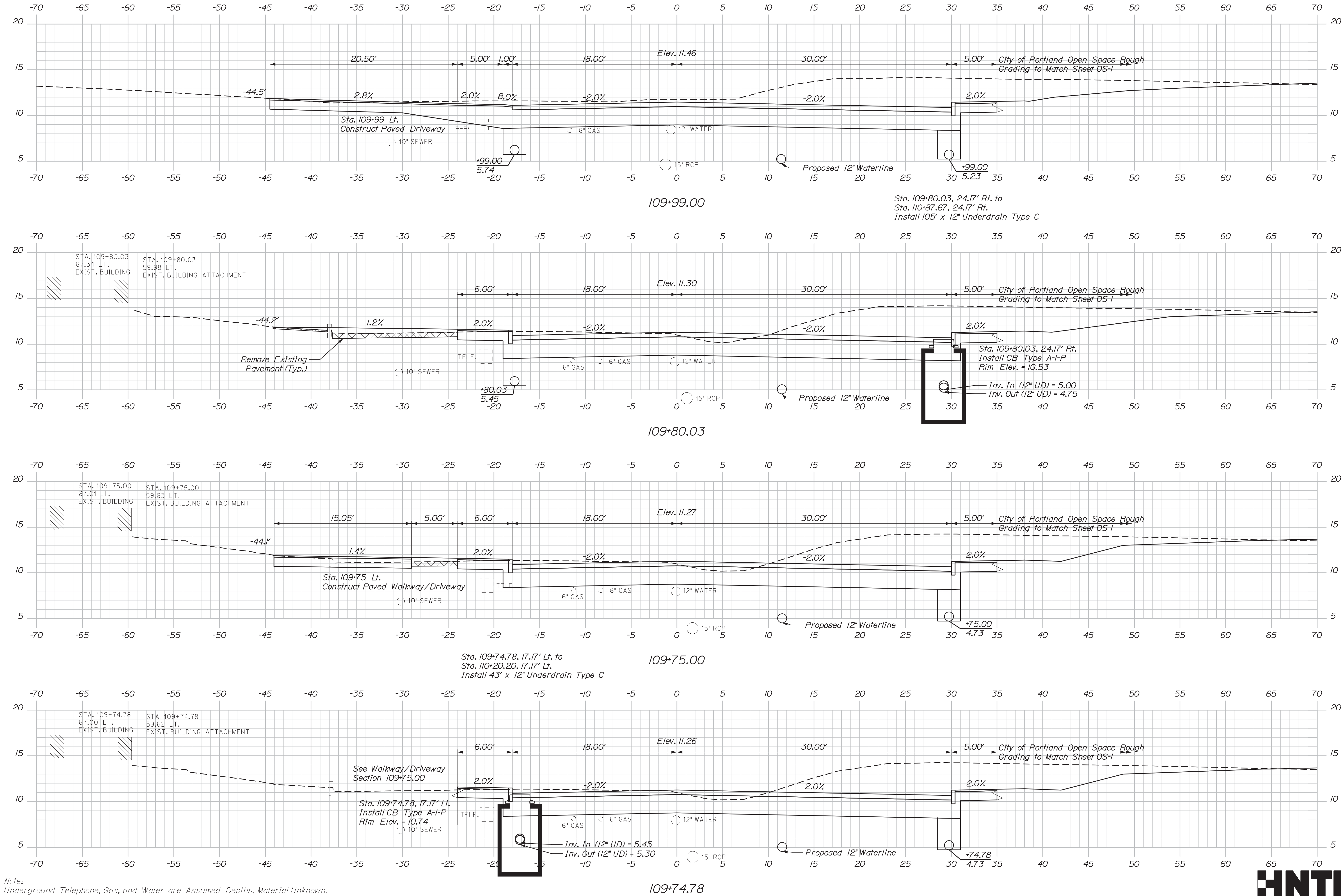
107 OF 220 SHEET NUMBER	INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY					PROJECT MANAGER EDD	DATE 2/20
						CHECKED-REVIEWED RWH	BY LJD
						DESIGN-DETAIL E02	DATE 2/20
						DESIGN-DETAIL E03	SIGNATURE
						REVISIONS 1	P.E. NUMBER
						REVISIONS 2	
						REVISIONS 3	
						REVISIONS 4	
						FIELD CHANGES	

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note: Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



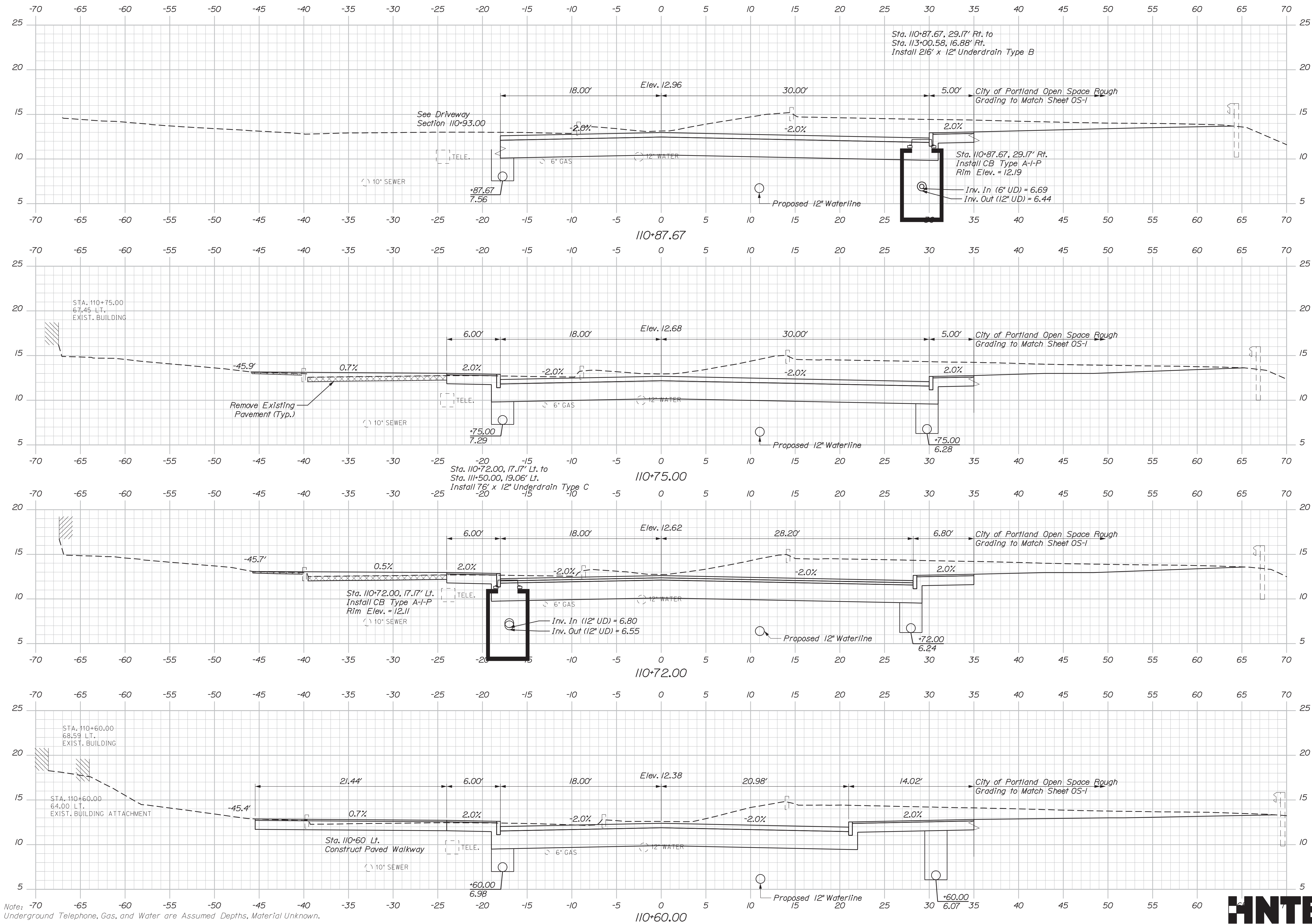
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET	
SHEET NUMBER 108		OF 220		WIN 021745.00	

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



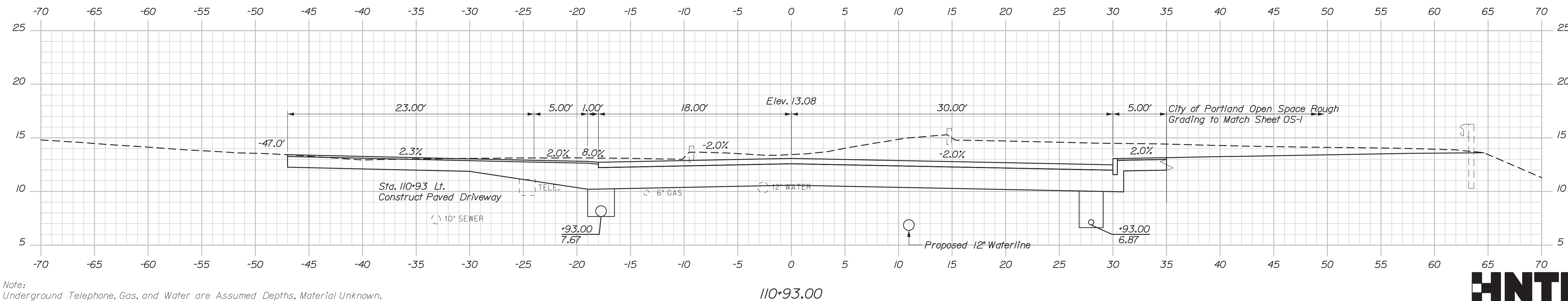
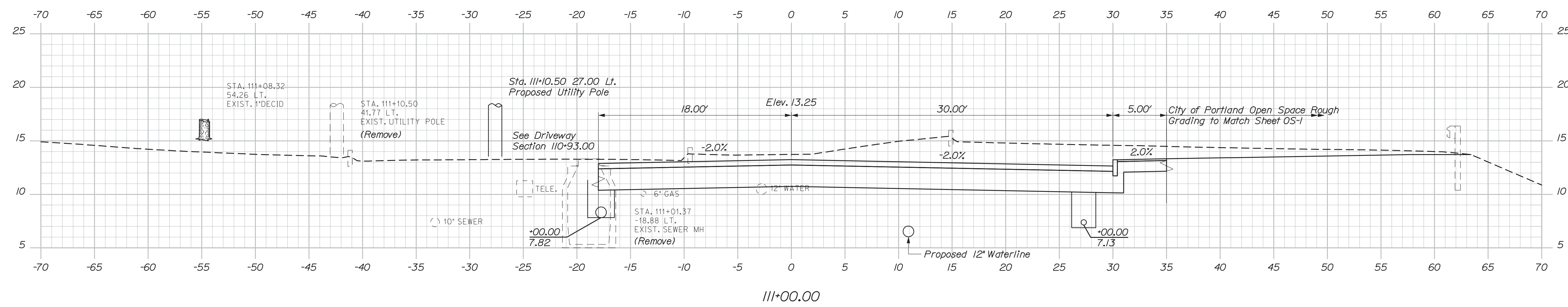
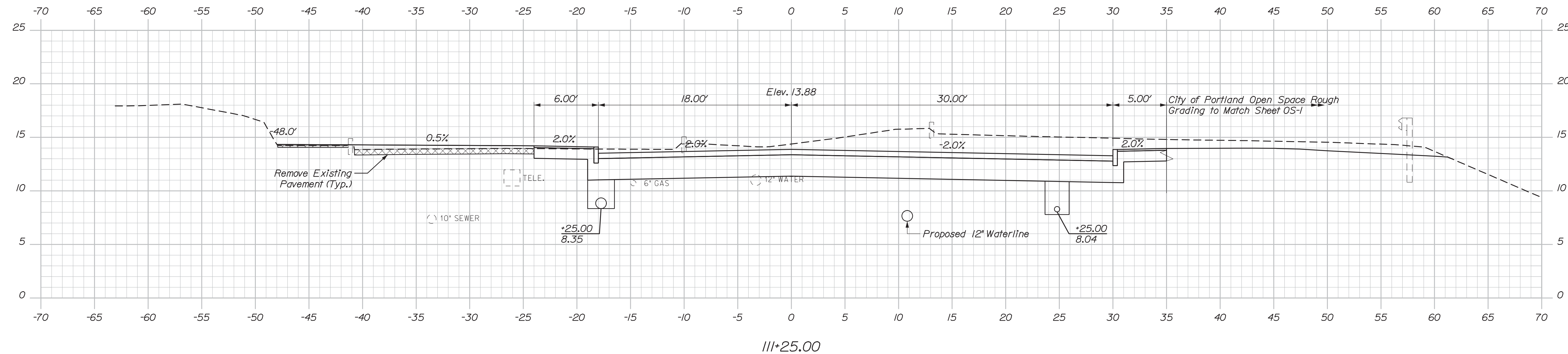
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933	
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET		SHEET NUMBER 110 OF 220	
PROJ. MANAGER	DESIGN-DETAILED	EDD	DATE	2/20	2/20
CHECKED-REVIEWED	RDH	LD	BY	CDH	LD
DESIGN-DETAILED	RDH	LD	DATE	2/20	2/20
REVISIONS 1			SIGNATURE		
REVISIONS 2			P.E. NUMBER		
REVISIONS 3			DATE		
REVISIONS 4					
FIELD CHANGES					

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note: Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2174(500)

BRIDGE NO. 5933
WIN 021745.00
BRIDGE PLANS

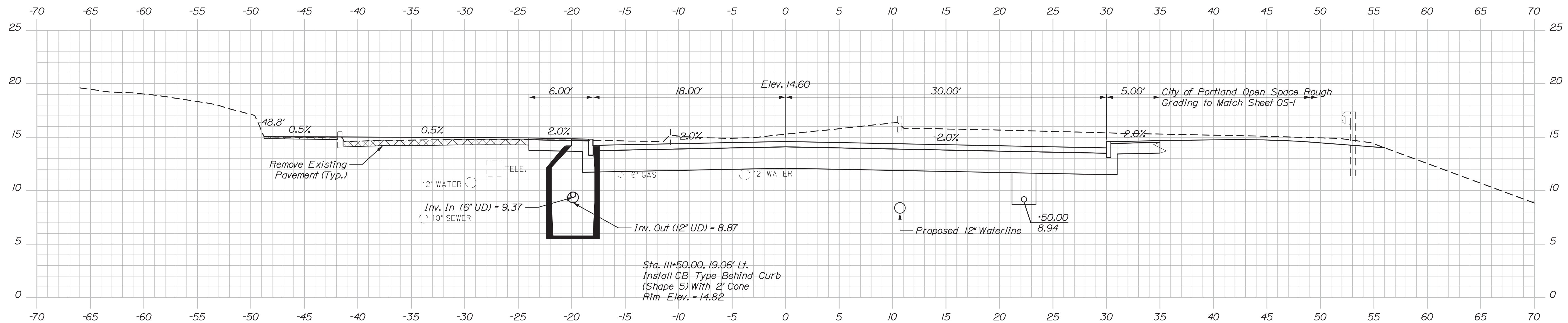
PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LJD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

CROSS SECTIONS
VERANDA STREET

SHEET NUMBER
111
OF 220

Filename: Xsect_Veranda.dgn



HNTB

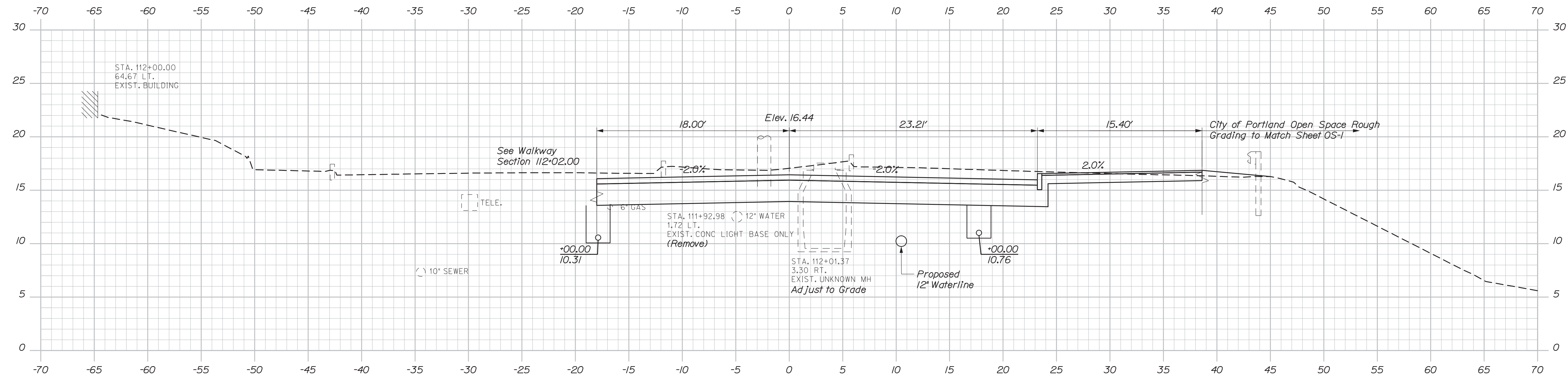
Sta. 111+50.00 to Sta. 111+75.00

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.

112+00.00



SHEET NUMBER

113

OF 220

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

NHPP-2174(500)

BRIDGE NO.5933

WIN

021745.00

BRIDGE PLANS

DATE

BY

D. EATON

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

BY

EDD

CDH

LZD

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

BY

EDD

CDH

LZD

DESIGN-DETAILED

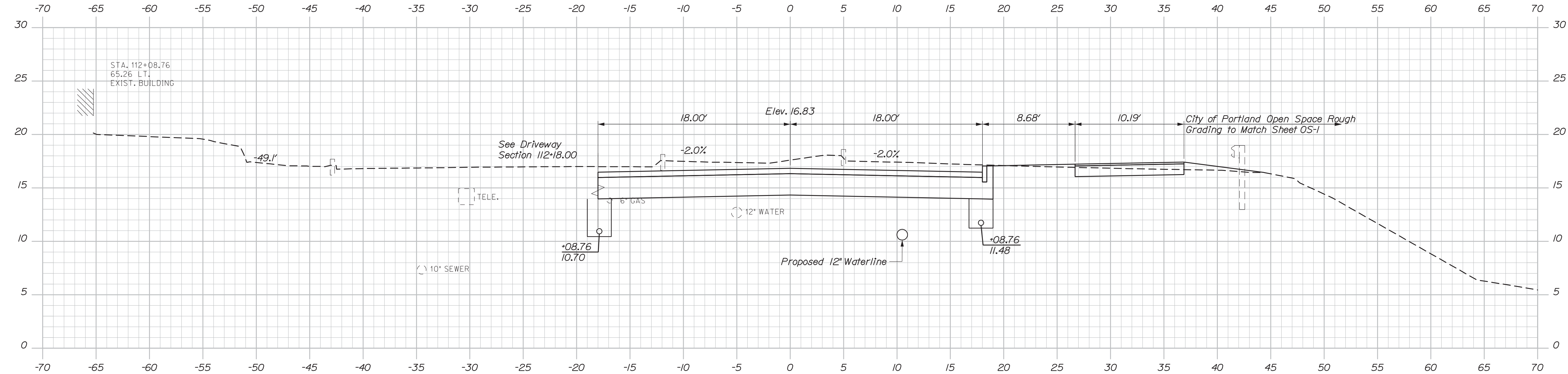
REVISIONS 1

Date:3/3/2020

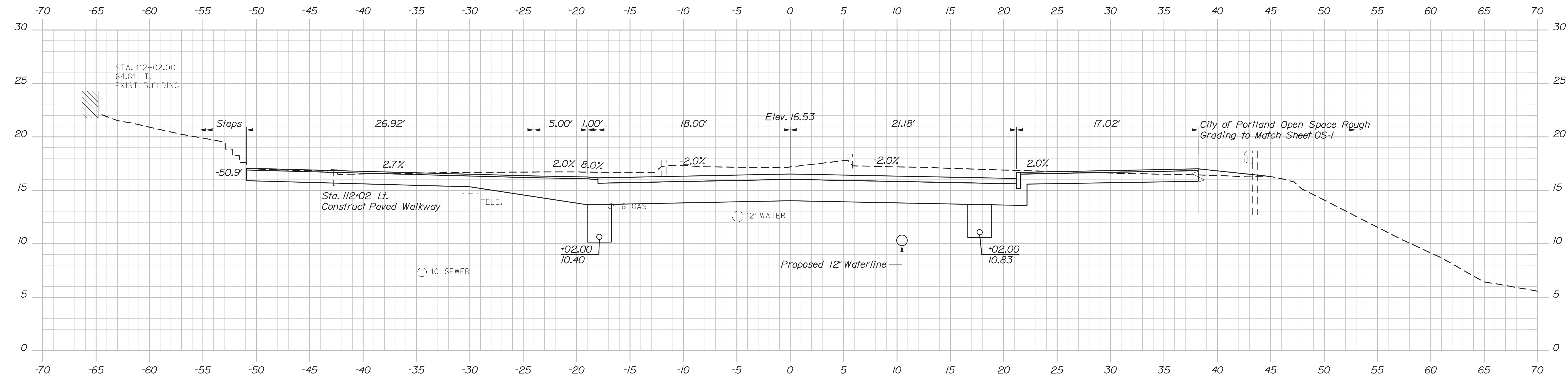
Username:

Division:

Filename: Xsect_Veranda.dgn



112+08.76



112+02.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	DESIGN-DETAILED	EDD	D. EATON	BY	DATE
CHECKED-REVIEWED	LD	LD	LD	LD	2/20
DESIGN-DETAILED	LD	LD	LD	LD	2/20
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

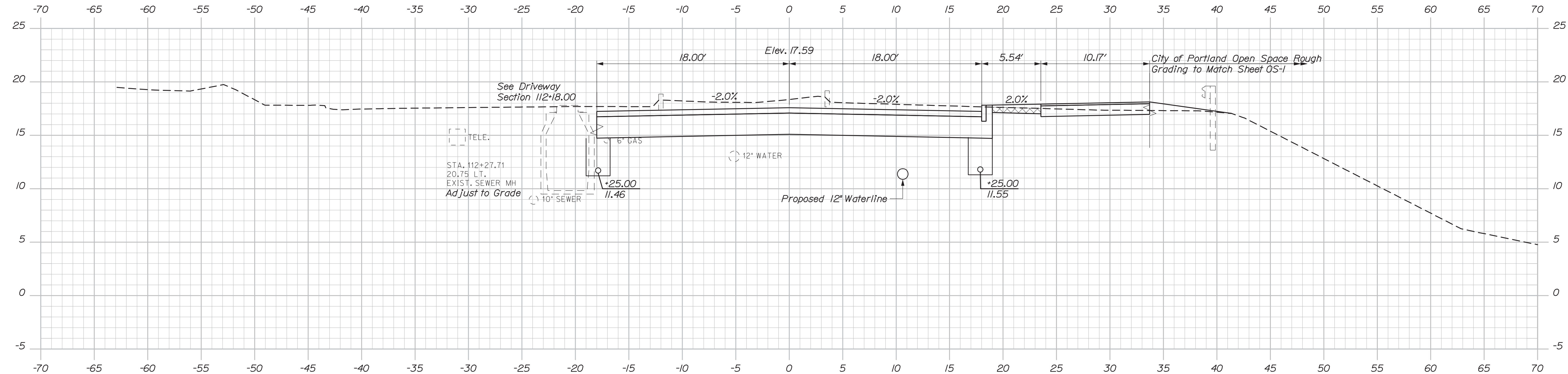
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	CROSS SECTIONS VERANDA STREET
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Date:3/3/2020

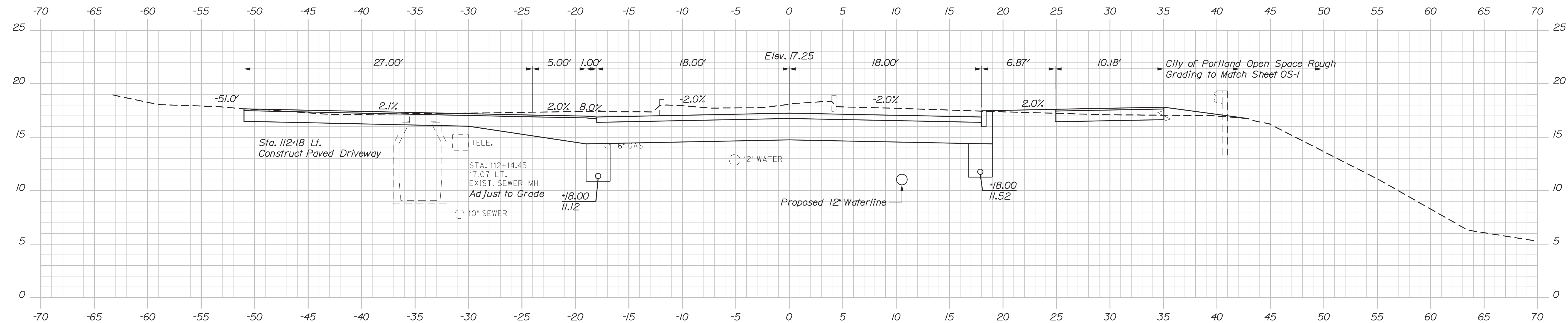
Username:

Division:

Filename: Xsect_Veranda.dgn



112+25.00



112+18.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE	SIGNATURE
DESIGN-DETAILED	LED	CDH	2/20	
CHECKED-REVIEWED	RWH	LJD	2/20	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

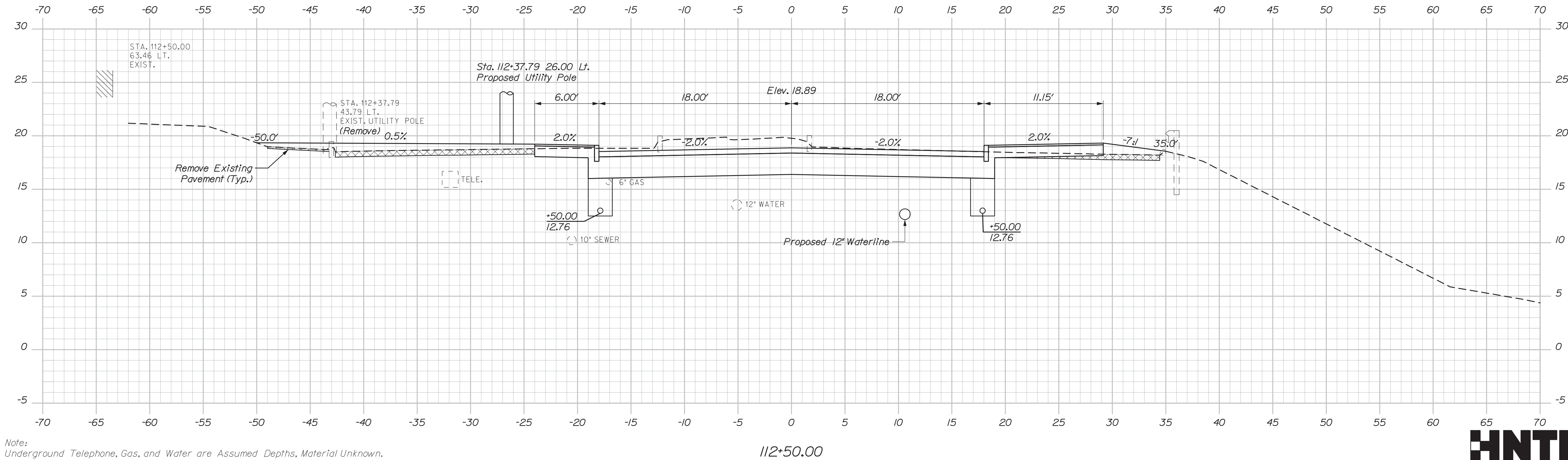
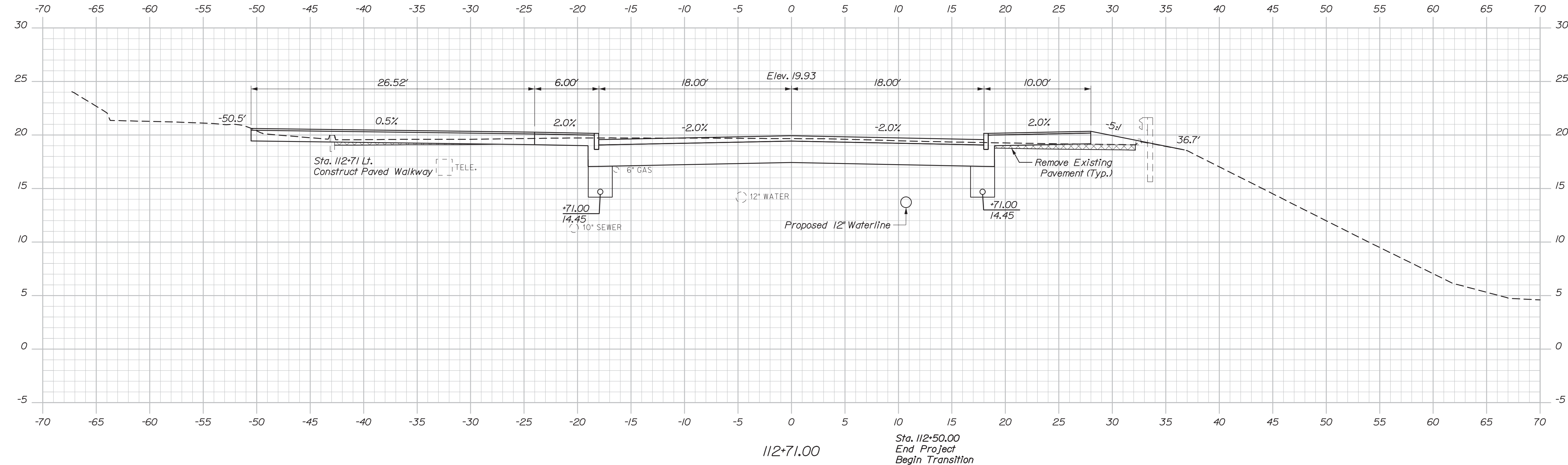
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	CROSS SECTIONS VERANDA STREET
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Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn

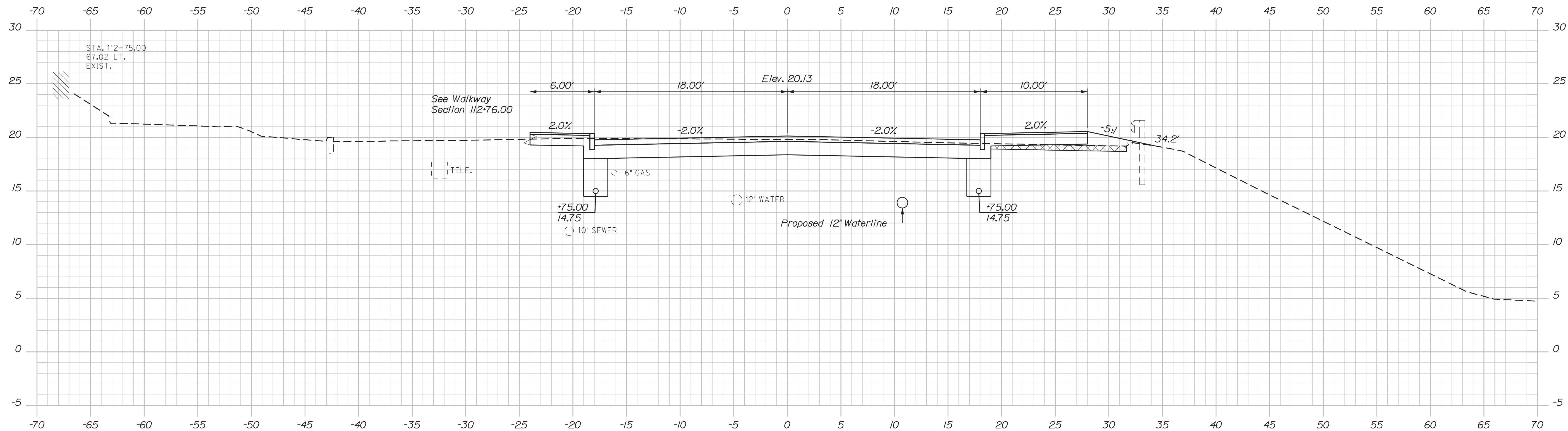


Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN		021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY		CROSS SECTIONS		VERANDA STREET		SHEET NUMBER		116	
PORTLAND		VERANDA STREET		OF 220							
PROJ. MANAGER		DESIGN-DETAILED		E.D.		BY		DATE		SIGNATURE	
CHECKED-REVIEWED		DESIGN-DETAILED		L.D.		L.D.		2/20		P.E. NUMBER	
DESIGN-DETAILED		REVISIONS 1								DATE	
REVISIONS 2		REVISIONS 3									
REVISIONS 4		FIELD CHANGES									

Filename: Xsect_Veranda.dgn



112+75.00

Sta. 113+00.00
End Transition
Begin Mill and 3" Overlay
Begin Left and Right Sidewalk Construction

See Walkway
Section 112+76.00

HNTB

Sta. 112+75.00 to Sta. 113+00.00

BRIDGE NO. 5933	WIN	BRIDGE PLANS
NHPP-2174(500)		

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET

SHEET NUMBER

117

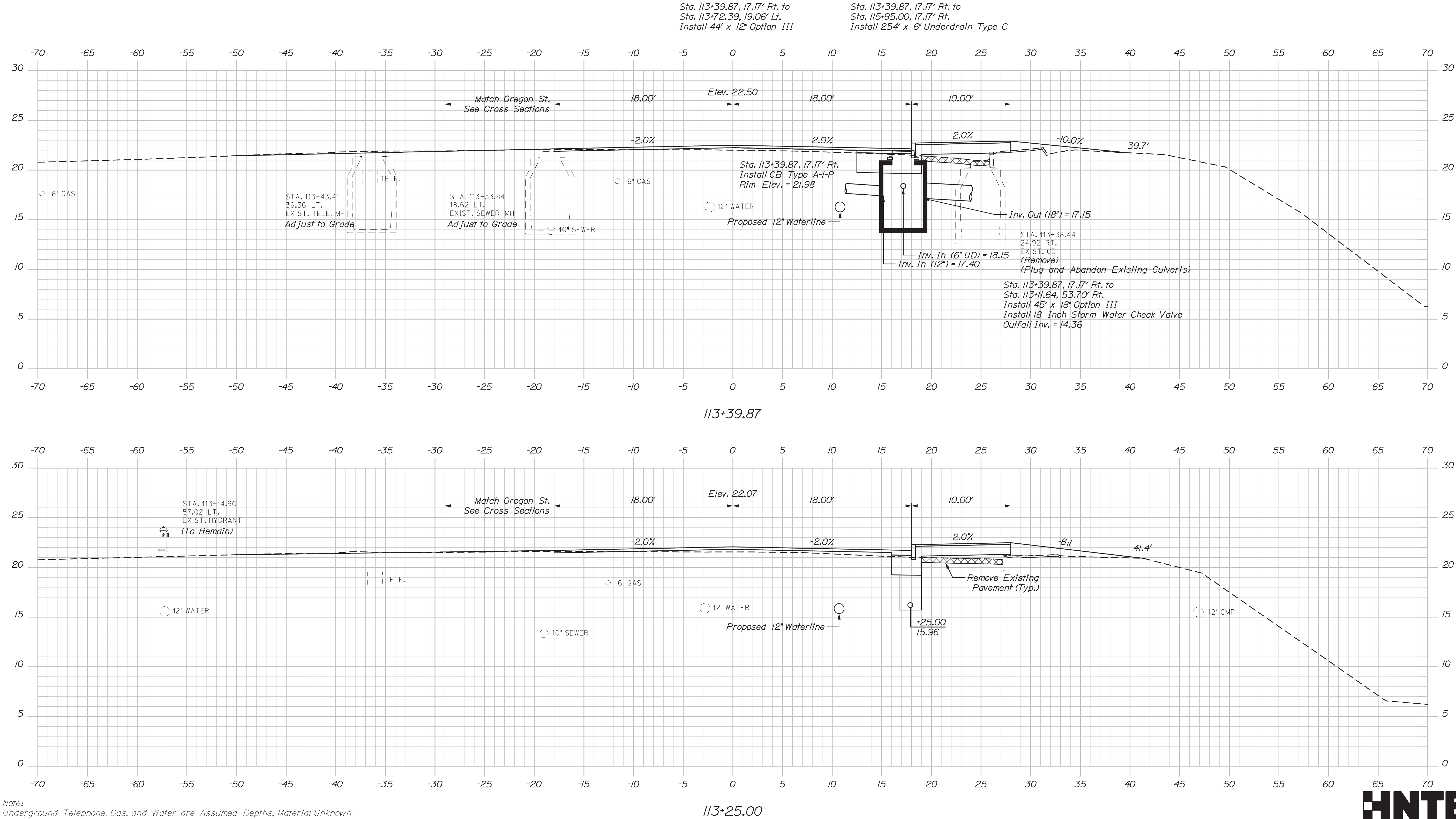
OF 220

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



DATE	BY	SIGNATURE
2/20	CDH	
2/20	LJD	

DATE	BY	P.E. NUMBER

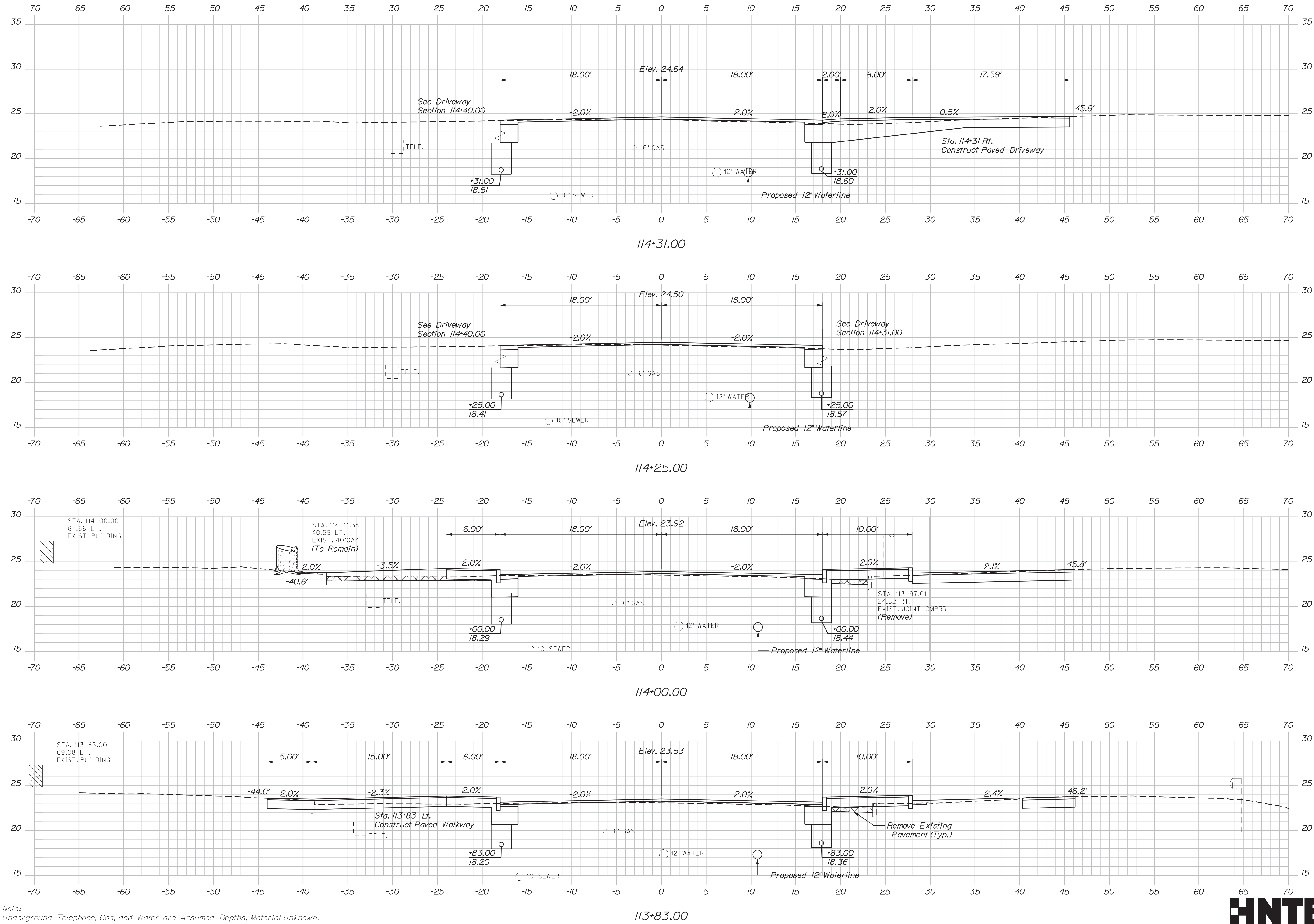
INTERSTATE 295 OVER VERANDA STREET	CUMBERLAND COUNTY
PORTLAND	CROSS SECTIONS
	VERANDA STREET

Date: 3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



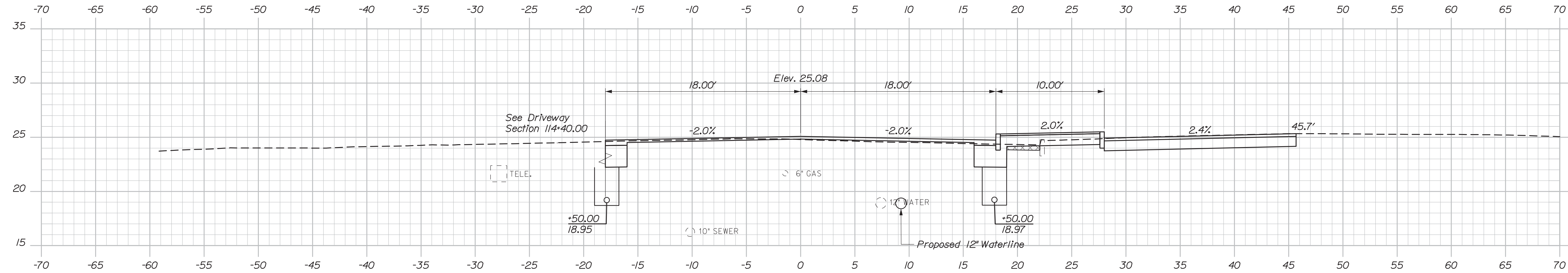
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	NHP-2174(500)				BRIDGE PLANS			
	WIN				021745.00			
	BRIDGE NO. 5933							
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY		PROJ. MANAGER	D. EATON	BY	DATE	SIGNATURE		
		DESIGN-DETAILED	EDD	CDH	2/20		P.E. NUMBER	
		CHECKED-REVIEWED	RWH	LJD	2/20			DATE
		DESIGN-DETAILED						
		REVISIONS 1						
REVISIONS 2								
REVISIONS 3								
REVISIONS 4								
FIELD CHANGES								
CROSS SECTIONS VERANDA STREET								
SHEET NUMBER 120 OF 220								

Date:3/3/2020

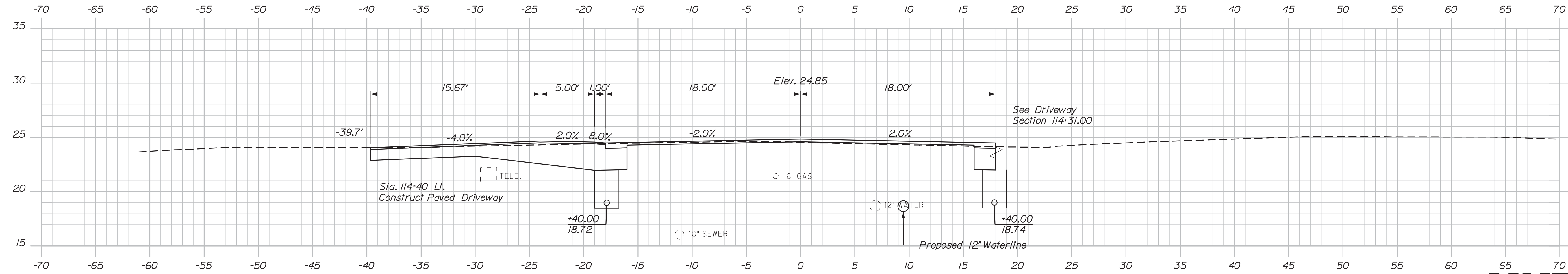
Username:

Division:

Filename: Xsect_Veranda.dgn



114+50.00



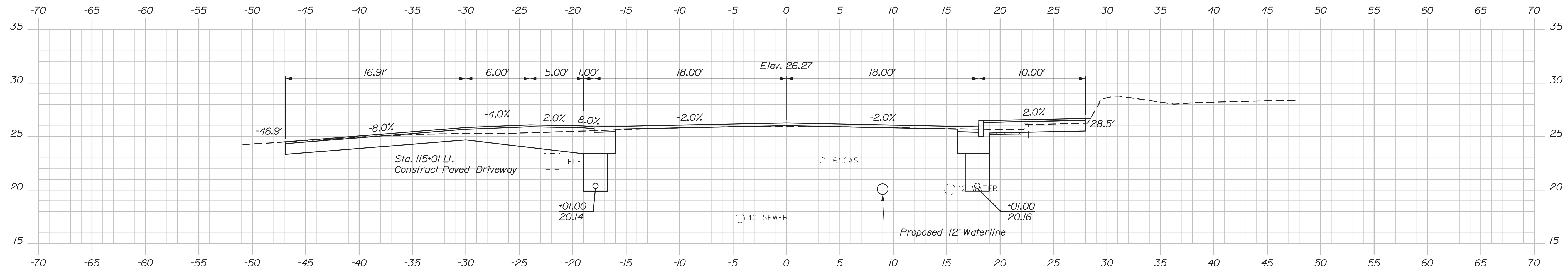
114+40.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE		DATE		BY		D. EATON		PROJ. MANAGER		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		FIELD CHANGES	
DEPARTMENT OF TRANSPORTATION		2/20		CDH		LDD		LDD		LDD		LDD		LDD		LDD		LDD		LDD		LDD		LDD	
NHP-2174(500)		SIGNATURE		P.E. NUMBER		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
BRIDGE NO.5933		WIN		021745.00		BRIDGE PLANS		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
INTERSTATE 295 OVER VERANDA STREET		PORTLAND CUMBERLAND COUNTY		CROSS SECTIONS		VERANDA STREET		SHEET NUMBER		121		OF 220		DATE		DATE		DATE		DATE		DATE		DATE	

Filename: Xsect_Veranda.dgn



HNTB

DF 220

BRIDGE NO. 5933 **021745.00** BRIDGE PLANS

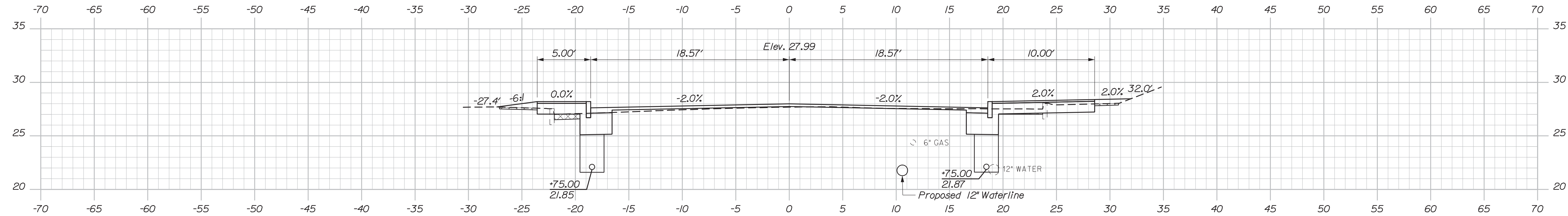
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Date:3/3/2020

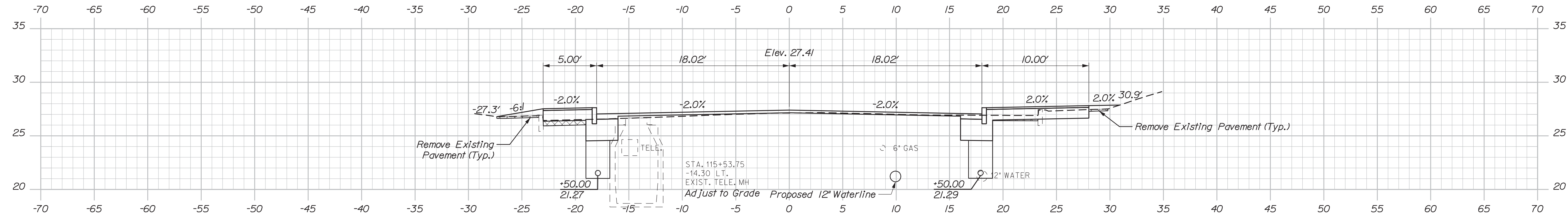
Username:

Division:

Filename: Xsect_Veranda.dgn



115+75.00



115+50.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
NHP-2174(500)	
BRIDGE NO.5933	WIN
021745.00	
BRIDGE PLANS	

PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-REVIEWED	EDD	CDH	2/20
DESIGNED-DETAILED	RWH	LZD	2/20
DESIGNED-DETAILED			SIGNATURE
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	CROSS SECTIONS VERANDA STREET
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SHEET NUMBER
124
OF 220

Filename: Xsect_Veranda.dgn



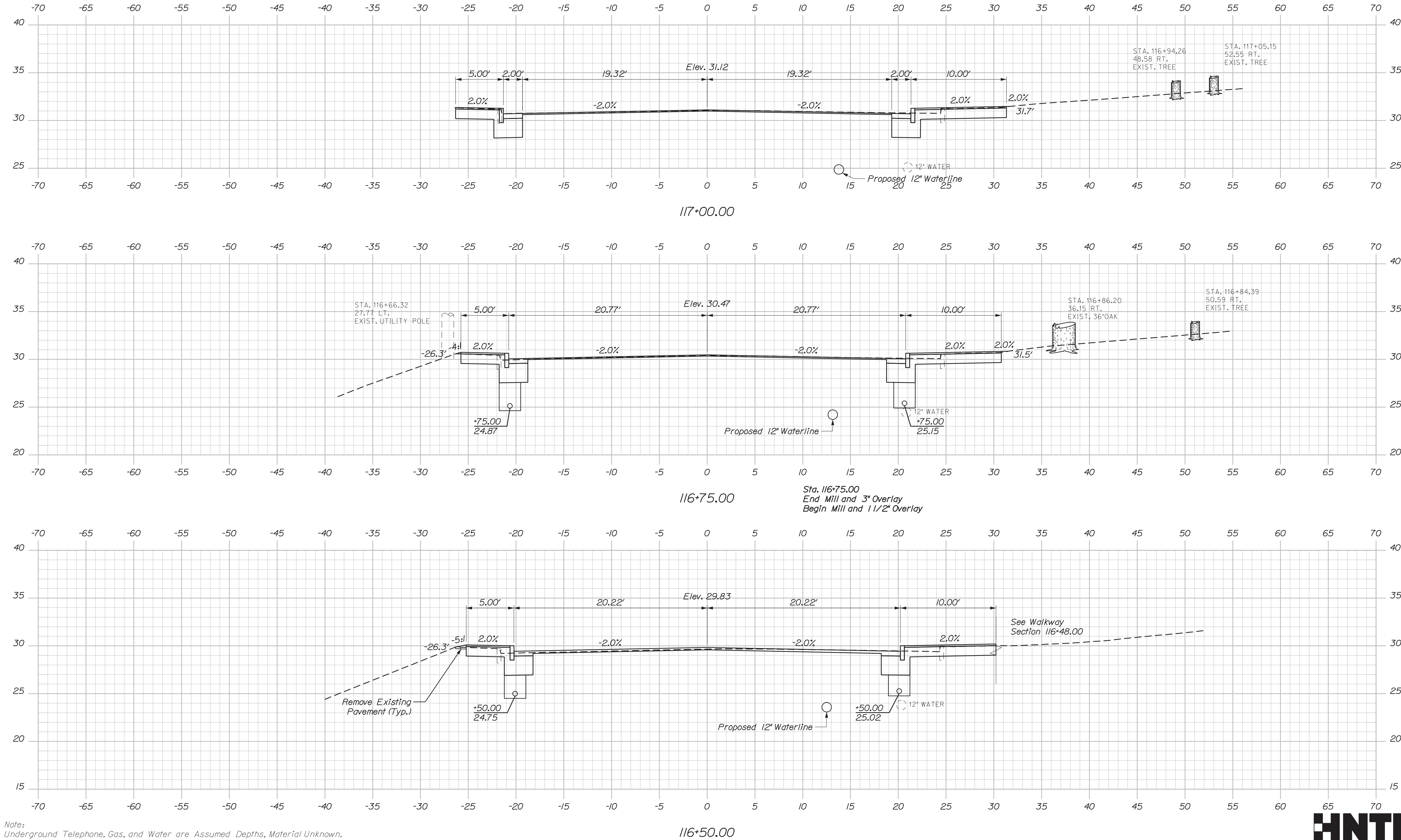
INTERSTATE 295 OVER VERANDA STREET PORTLAND			CUMBERLAND COUNTY			PROJ. MANAGER EDD CHECKED-REVIEWED RWH DESIGN2-DETAILED2 DESIGN3-DETAILED3		D. EATON ODH LZD		DATE 2/3/20 2/3/20		SIGNATURE P.E. NUMBER		STATE OF MAINE DEPARTMENT OF TRANSPORTATION NHPP-2174(500)	
CROSS SECTIONS VERANDA STREET						REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES				DATE		BRIDGE NO. 5933 WIN 021745.00		BRIDGE PLANS	

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



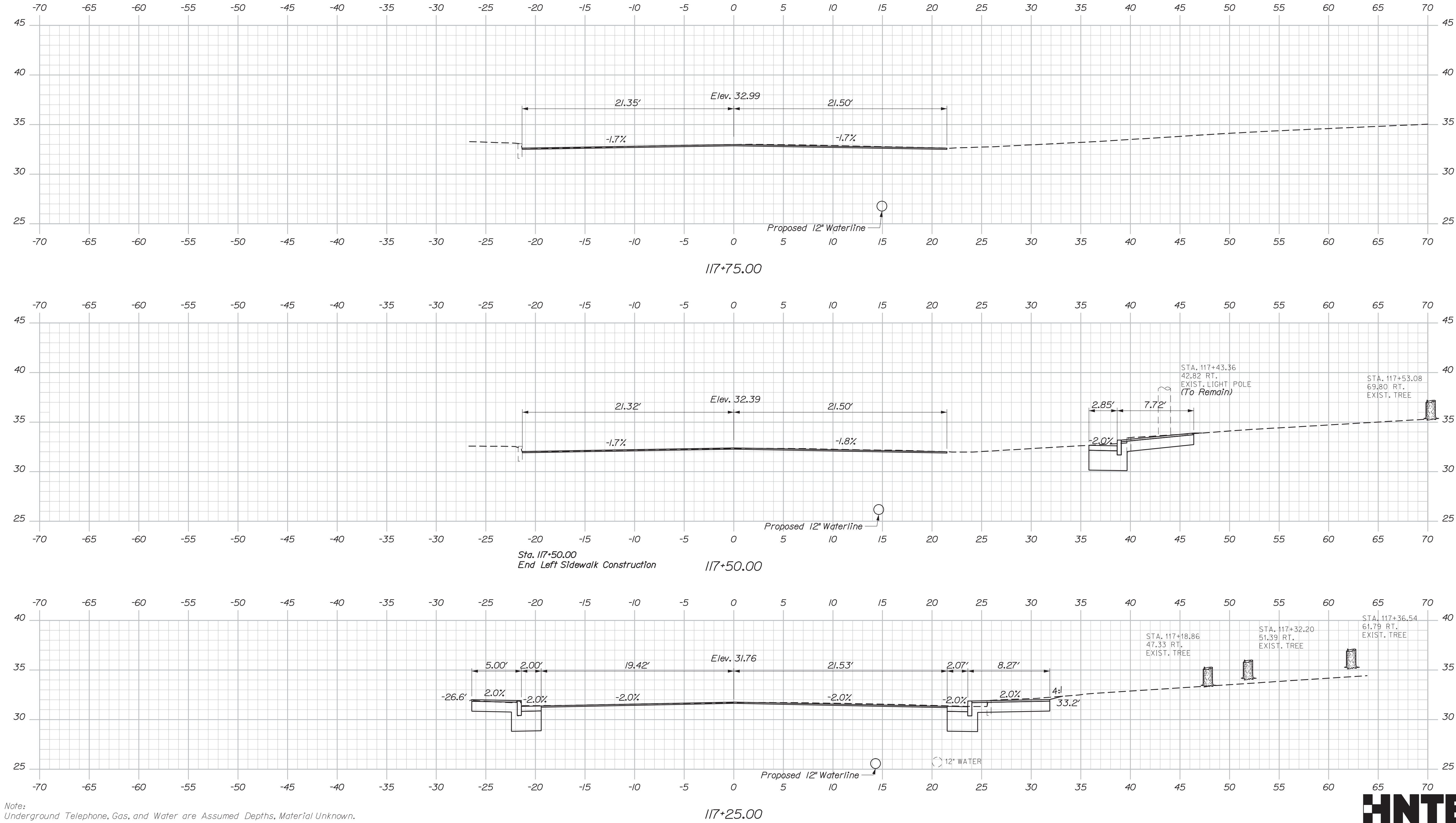
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		BRIDGE NO. 5933		WIN 021745.00		BRIDGE PLANS	
INTERSTATE 295 OVER VERANDA STREET PORTLAND		CUMBERLAND COUNTY		CROSS SECTIONS VERANDA STREET		SHEET NUMBER 126 OF 220		DATE 2/20	
PROJECT MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		BY CDH LJD		SIGNATURE P.E. NUMBER DATE		DATE 2/20		DATE 2/20	

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



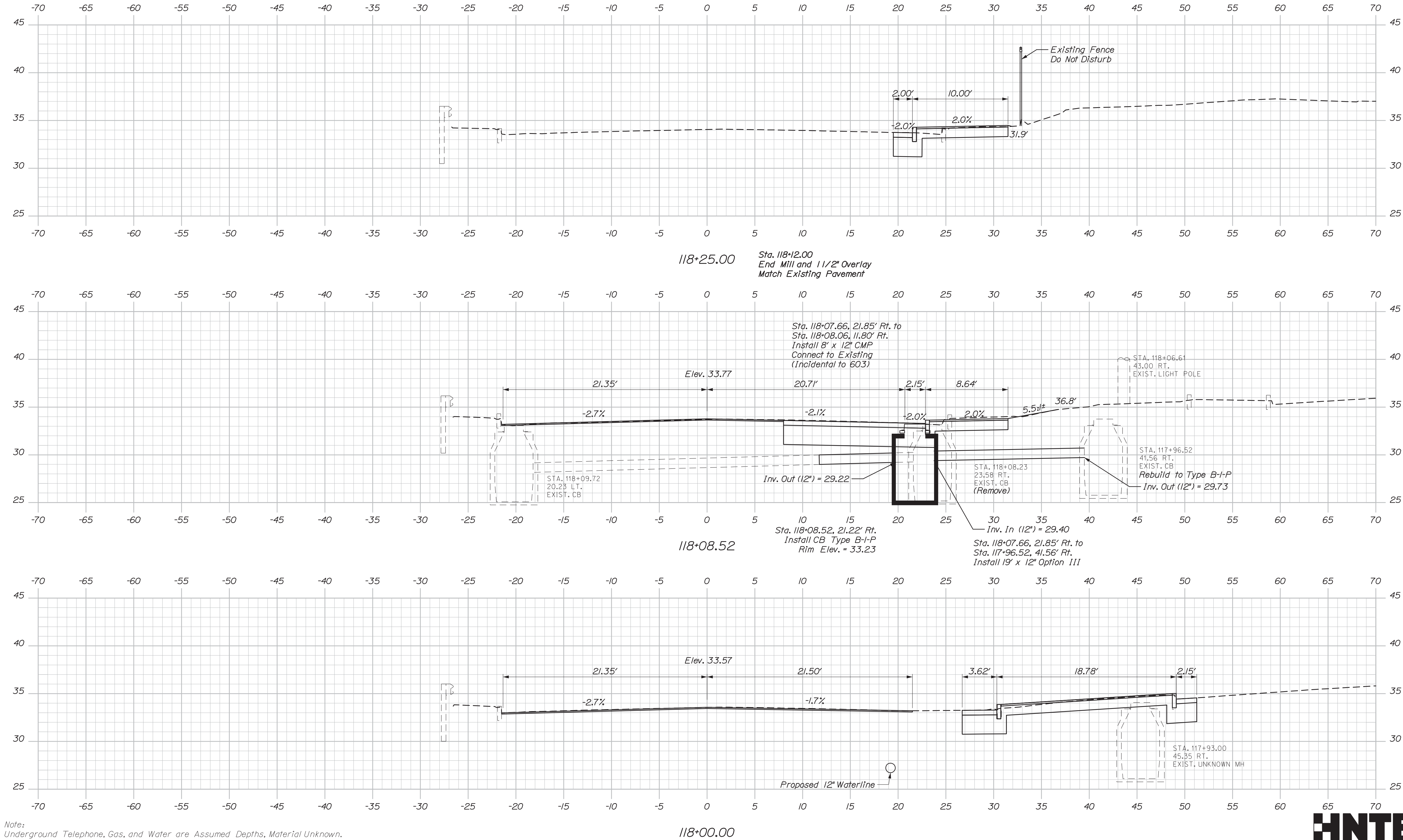
STATE OF MAINE										DEPARTMENT OF TRANSPORTATION										NHP-2174(500)										WIN										021745.00										BRIDGE NO.5933										BRIDGE PLANS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



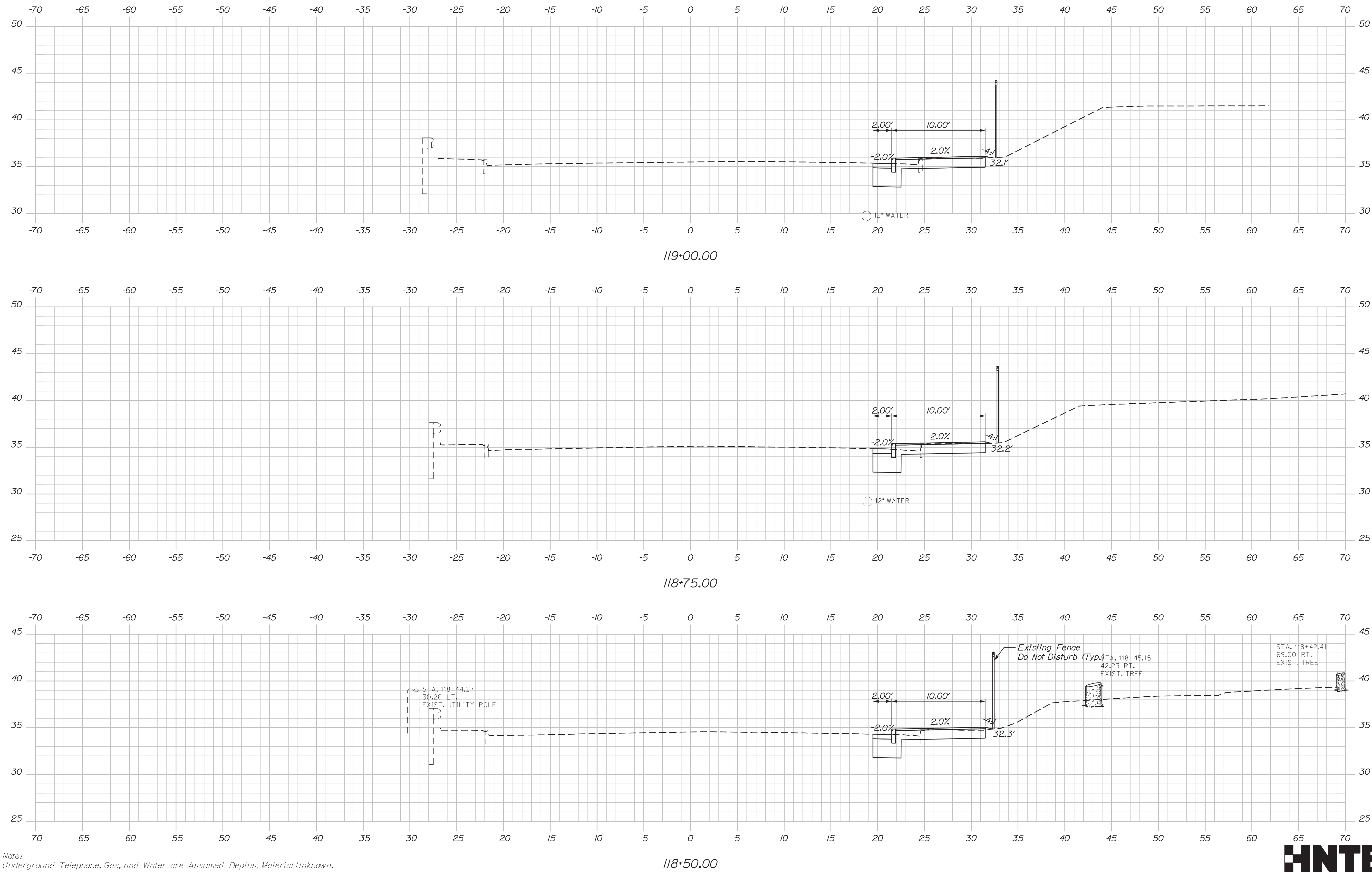
STATE OF MAINE										DEPARTMENT OF TRANSPORTATION										NHP-2174(500)										WIN										BRIDGE NO.5933										021745.00										BRIDGE 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Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



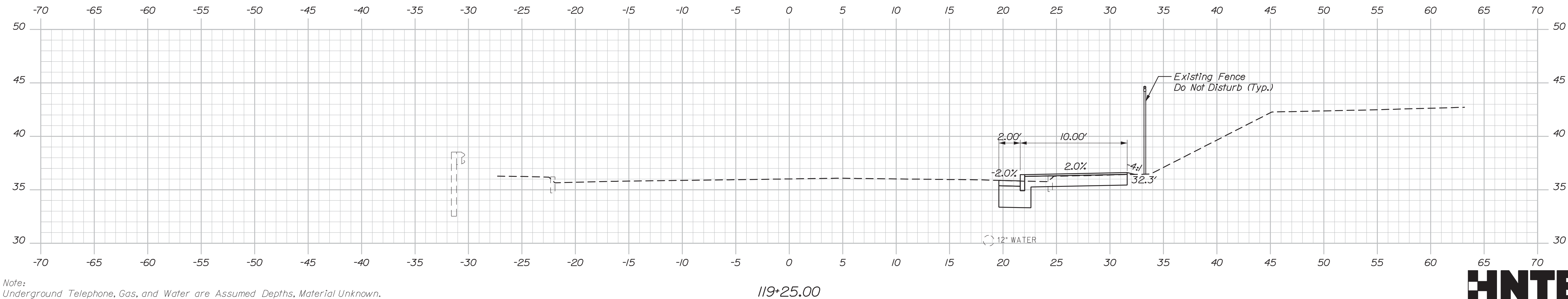
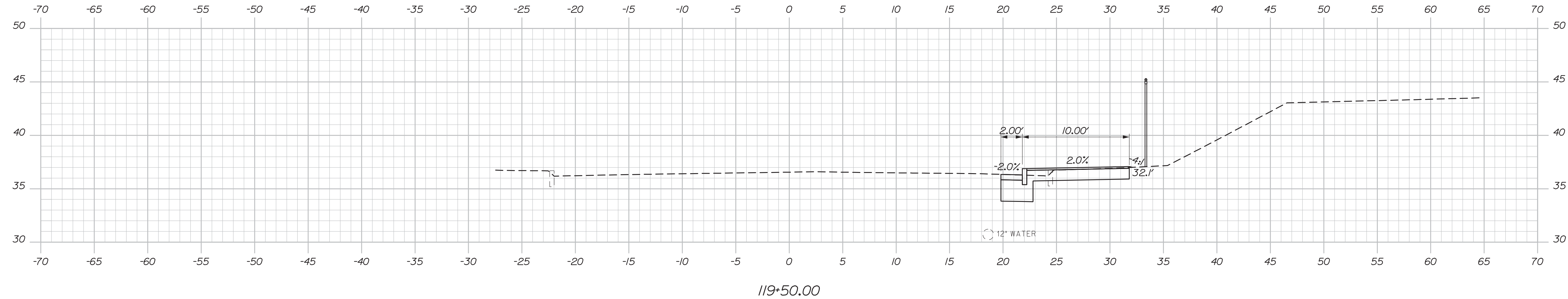
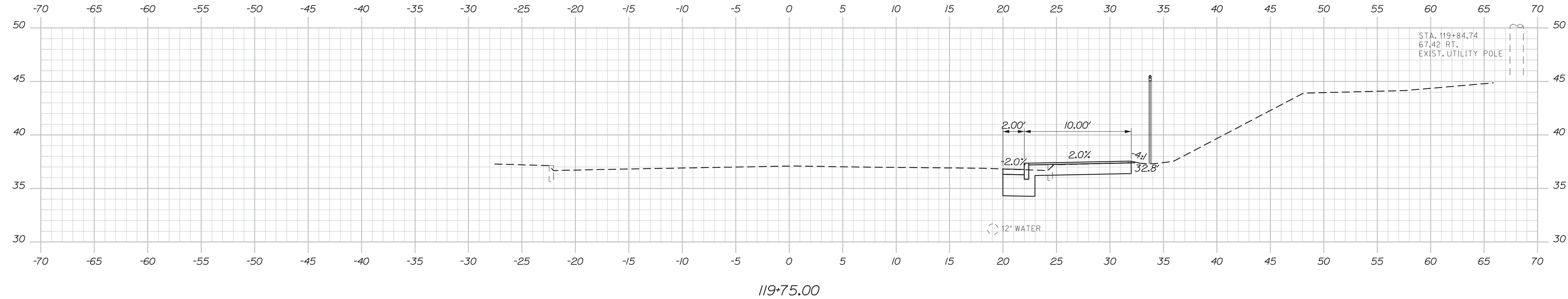
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER EDD CHECKED-REVIEWED RWI DESIGN2-DETAILED2 DESIGN3-DETAILED3		D. EATON COH LZO		DATE 2/20 2/20	
CROSS SECTIONS VERANDA STREET				REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		P.E. NUMBER DATE		SIGNATURE	
SHEET NUMBER 129 OF 220				STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-2174(500)		WIN 021745.00	
				BRIDGE NO.5933				BRIDGE PLANS	

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



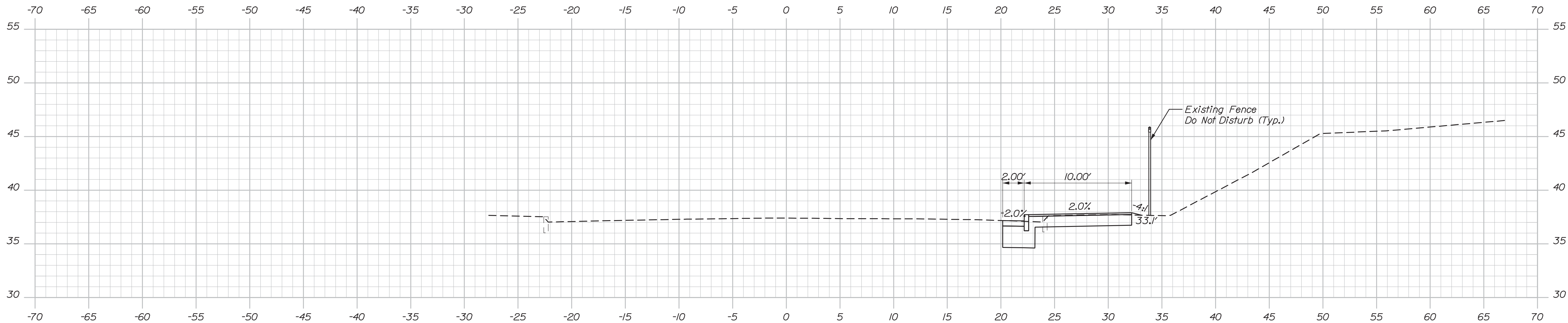
Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-REVIEWED	LED	CDH	2/20
DESIGNED-DETAILED	RWH	LJD	2/20
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY
CROSS SECTIONS
VERANDA STREET

Filename: Xsect_Veranda.dgn



HNTB

Sta. 120+00.00 to Sta. 120+25.00

SHEET NUMBER

131

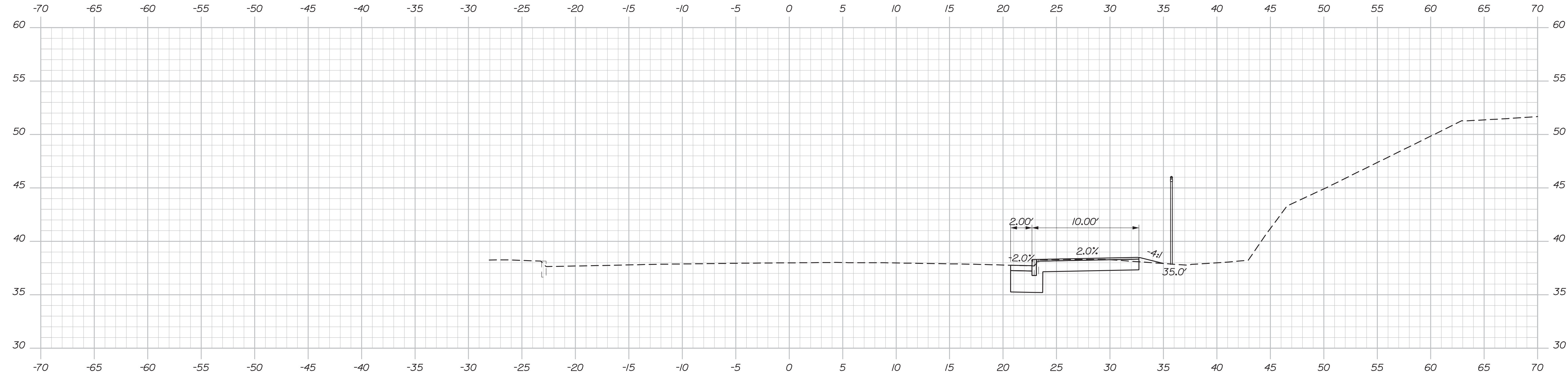
OF 220

Date:3/3/2020

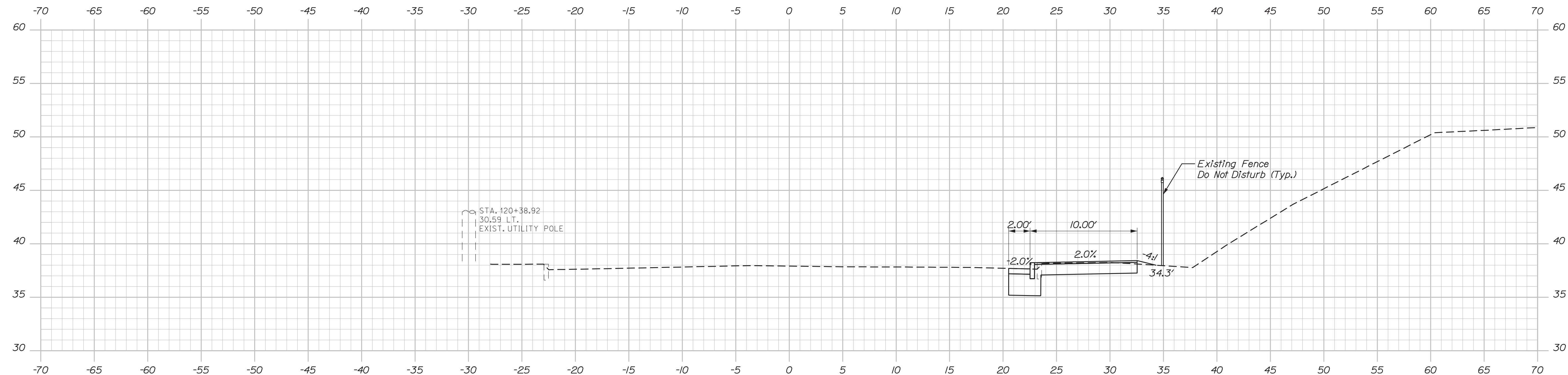
Username:

Division:

Filename: Xsect_Veranda.dgn



120+75.00



120+50.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

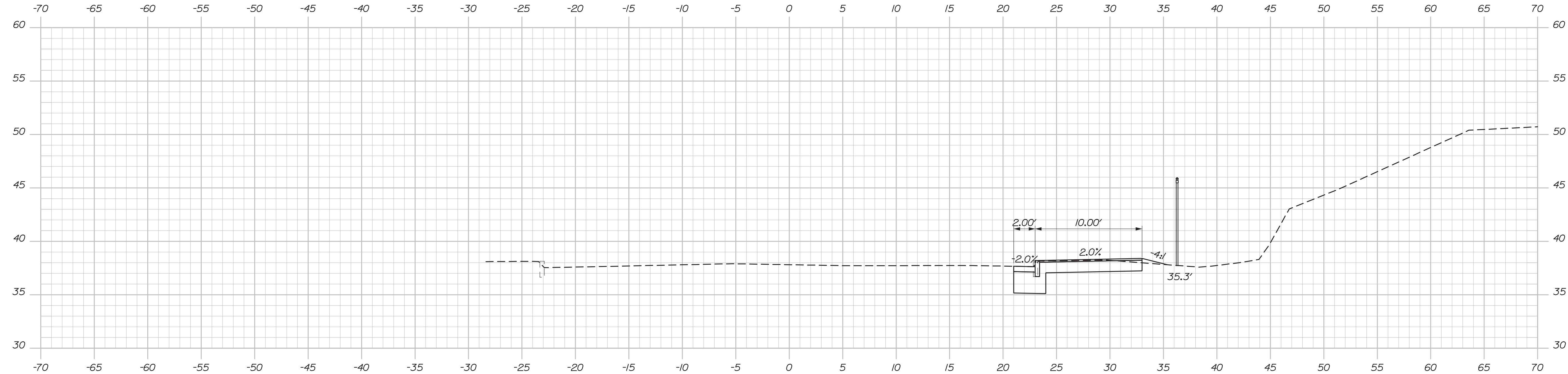
CROSS SECTIONS
VERANDA STREET

Username:

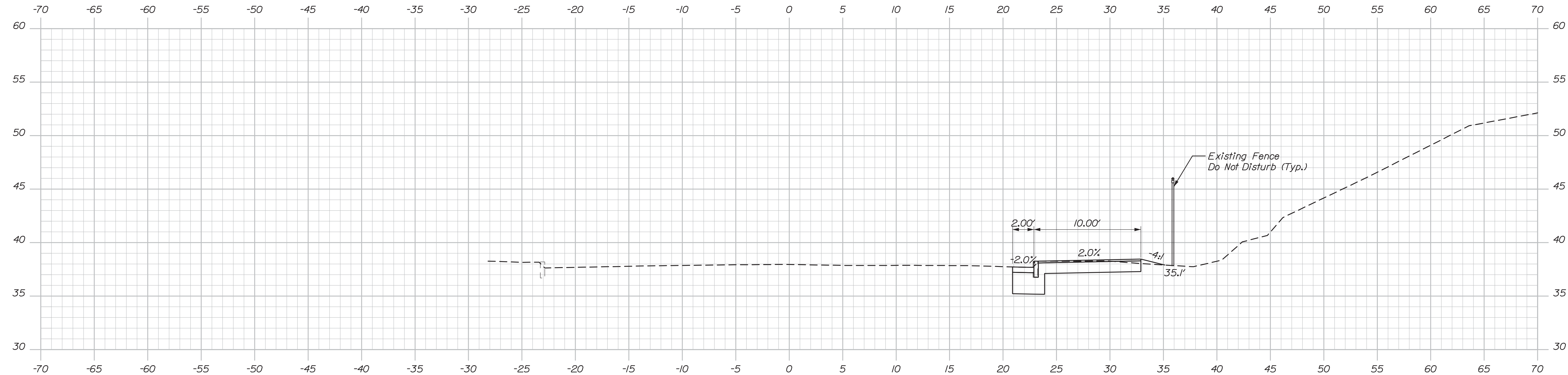
Date:3/3/2020

Division:

Filename: Xsect_Veranda.dgn



121+25.00



121+00.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
NHPP-2174(500)	
BRIDGE NO.5933	WIN 021745.00
BRIDGE PLANS	

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
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REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE		DATE	

INTERSTATE 295 OVER VERANDA STREET	
PORTLAND CUMBERLAND COUNTY	
CROSS SECTIONS	
VERANDA STREET	

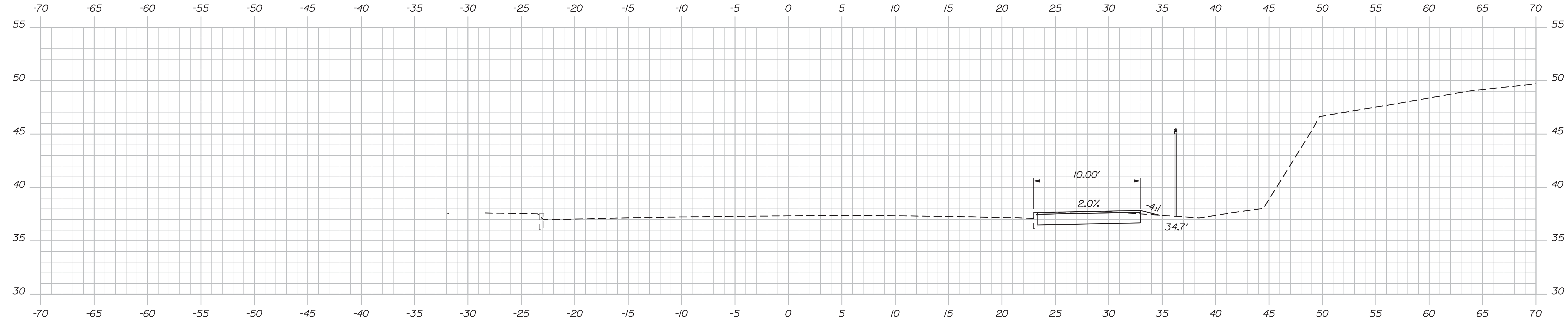
SHEET NUMBER	
133	
OF 220	

Date:3/3/2020

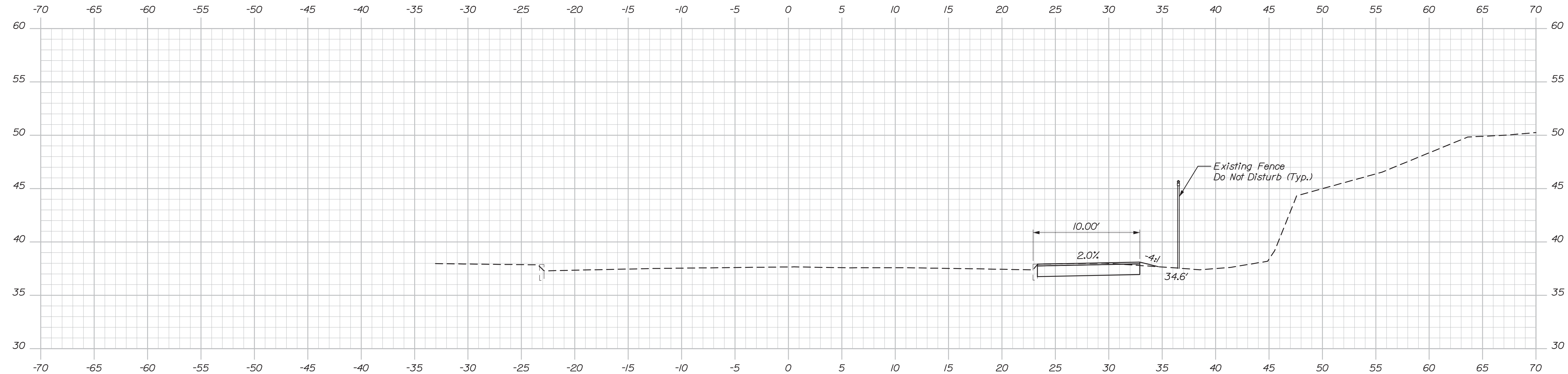
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Division:

Filename: Xsect_Veranda.dgn



121+75.00



121+50.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE
CHECKED-REVIEWED	LED	CDH	2/20
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FIELD CHANGES			

SIGNATURE

P.E. NUMBER

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INTERSTATE 295 OVER
VERANDA STREET
PORTLAND CUMBERLAND COUNTY

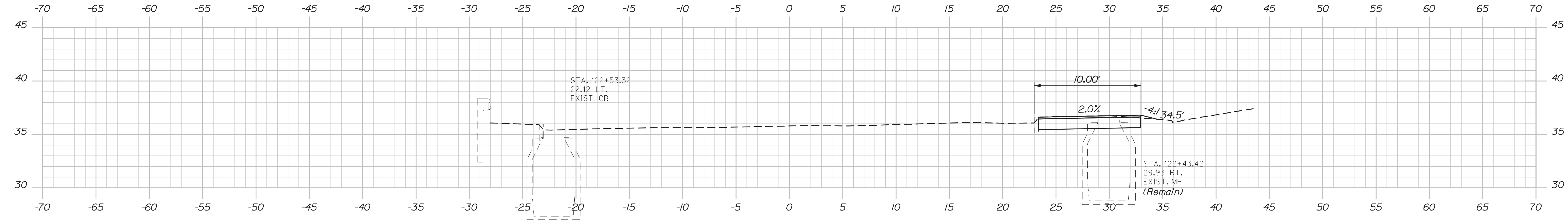
CROSS SECTIONS
VERANDA STREET

Date:3/3/2020

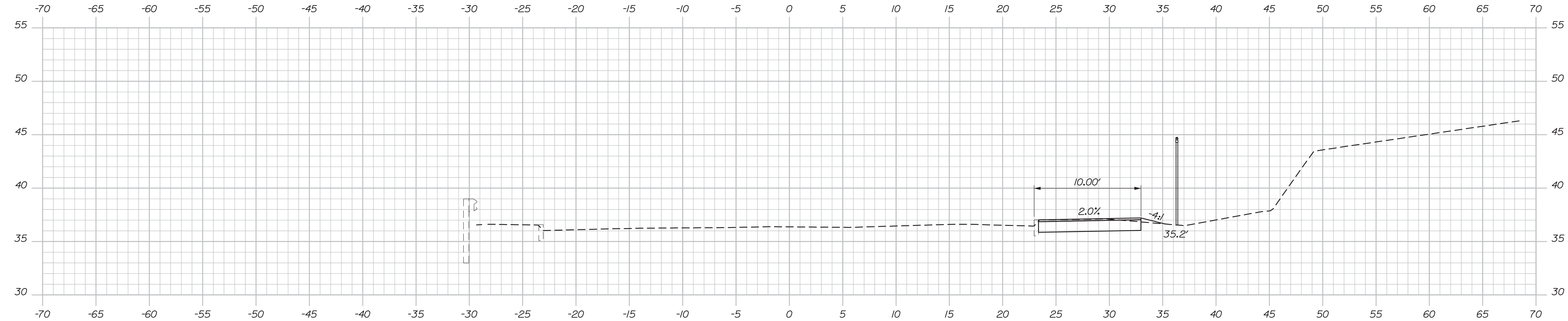
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Division:

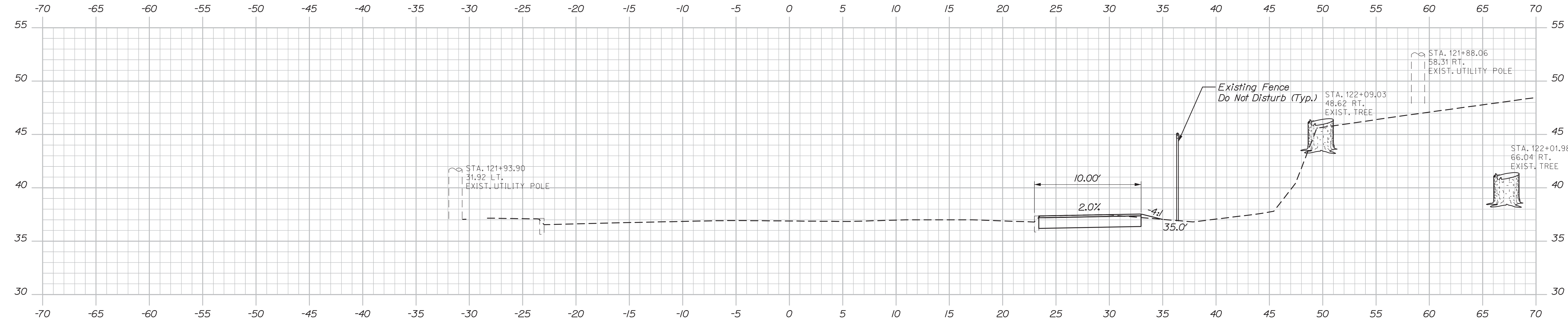
Filename: Xsect_Veranda.dgn



122+50.00



122+25.00



122+00.00

Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



PROJ. MANAGER	D. EATON	BY	DATE
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DESIGN-DETAILED	RWH	LZD	2/20
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REVISIONS 4			
FIELD CHANGES			

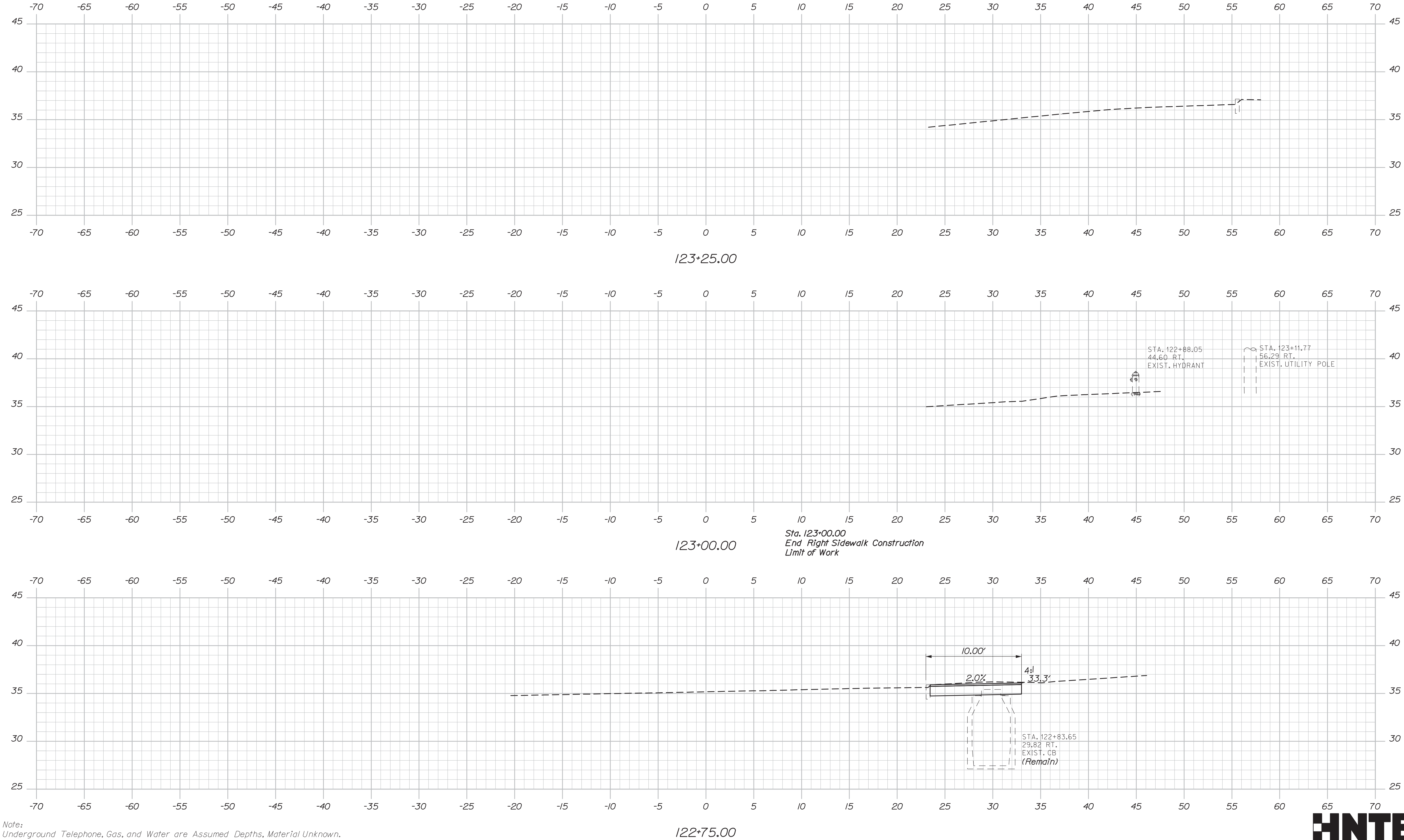
INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY	SIGNATURE
CROSS SECTIONS VERANDA STREET	P.E. NUMBER
	DATE

Date:3/3/2020

Username:

Division:

Filename: Xsect_Veranda.dgn



Note:
Underground Telephone, Gas, and Water are Assumed Depths, Material Unknown.



SHEET NUMBER		INTERSTATE 295 OVER VERANDA STREET PORTLAND CUMBERLAND COUNTY				PROJ. MANAGER		D. EATON		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
136 OF 220		CROSS SECTIONS VERANDA STREET		DESIGN-DETAILED CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3		EDD		COH		2/20		SIGNATURE		NHP-2174(500)	
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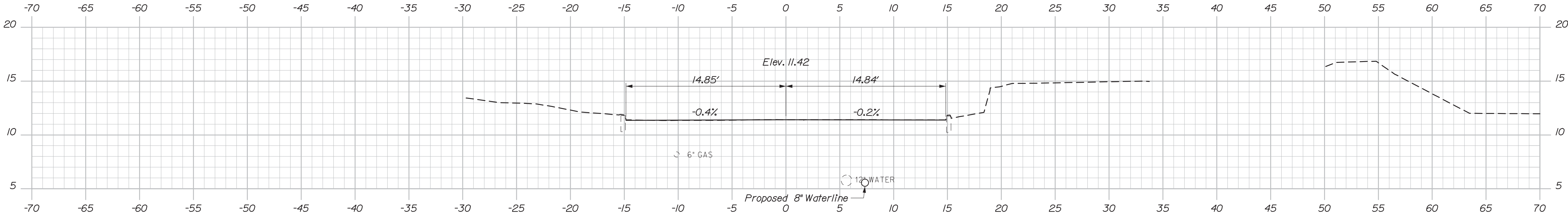
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Username: Date:3/3/2020

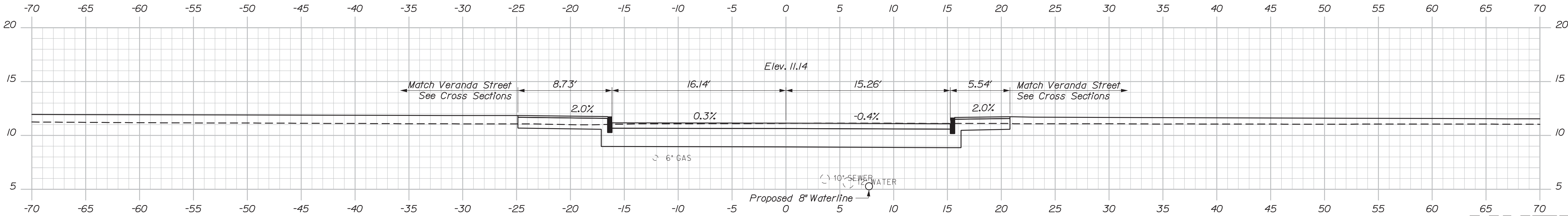
Division:

Filename: Xsect_Sideroads.dgn



Sta. 3+50.00
End Mill and 3" Overlay
Match Existing
Limit of Work

Sta. 3+45.00
End Full Depth Construction
Begin Mill and 3" Overlay



Sta. 3+25.00
Match Veranda Street
Begin Full Depth Construction



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
NHPP-2174(500)	
BRIDGE NO.5933	WIN 021745.00
BRIDGE PLANS	

PROJ. MANAGER	D. EATON	BY	DATE
DESIGN-DETAILED	LED	CDH	2/20
CHECKED-REVIEWED	RWH	LZD	2/20
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REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
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REVISIONS 4			
FIELD CHANGES			

INTERSTATE 295 OVER	CUMBERLAND COUNTY
VERANDA STREET	
PORTLAND	
CROSS SECTIONS	
OLYMPIA STREET	

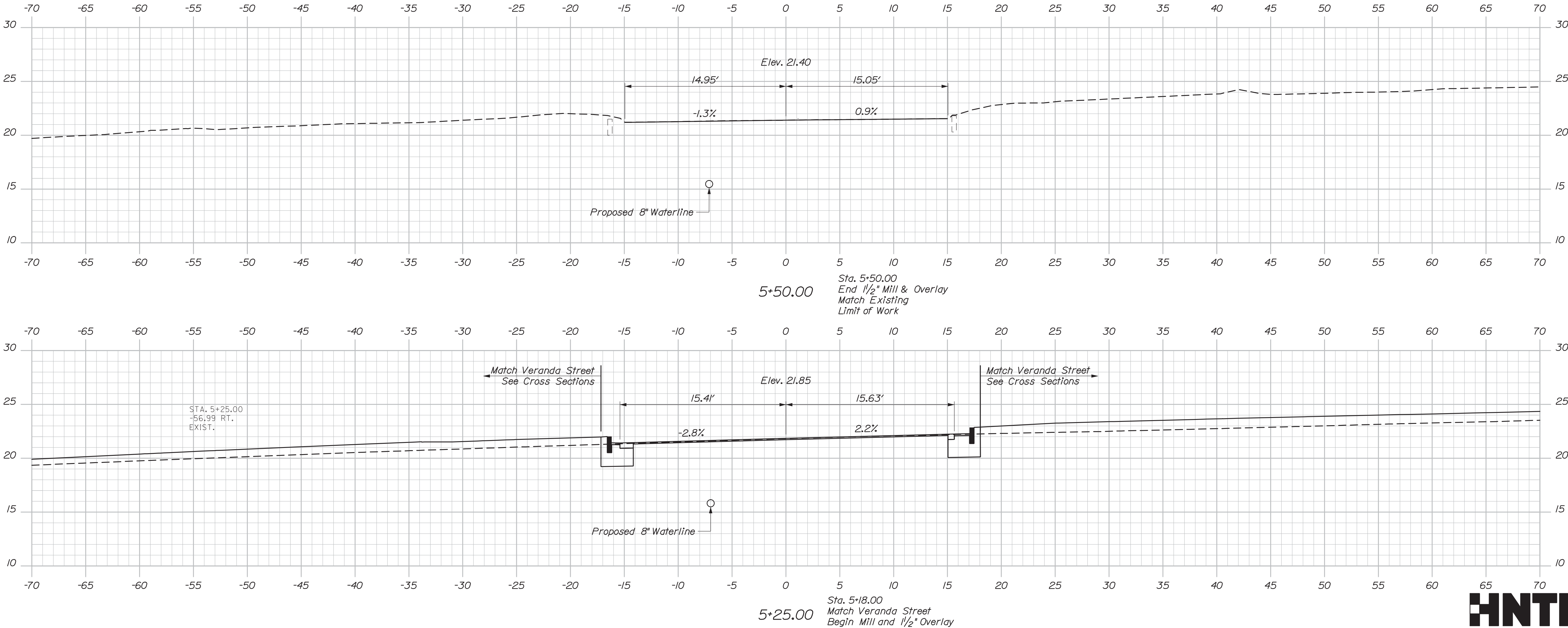
SHEET NUMBER
138
OF 220

Date:3/3/2020

Username:

Division:

Filename: Xsect_Sideroads.dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
NHP-2174(500)		SIGNATURE	
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BRIDGE NO.5933		FIELD CHANGES	
INTERSTATE 295 OVER VERANDA STREET		CUMBERLAND COUNTY	
PORTLAND		CROSS SECTIONS	
OREGON STREET		SHEET NUMBER	
139		OF 220	
Sta. 5+25.00 to Sta. 5+50.00		BRIDGE PLANS	