

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



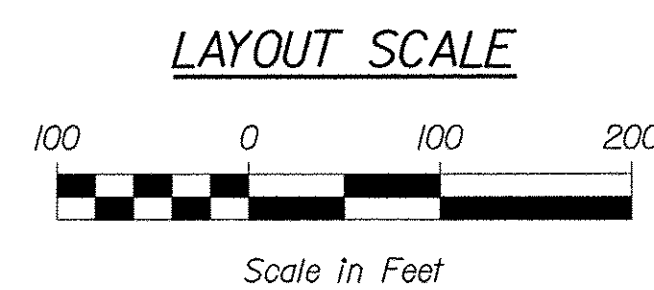
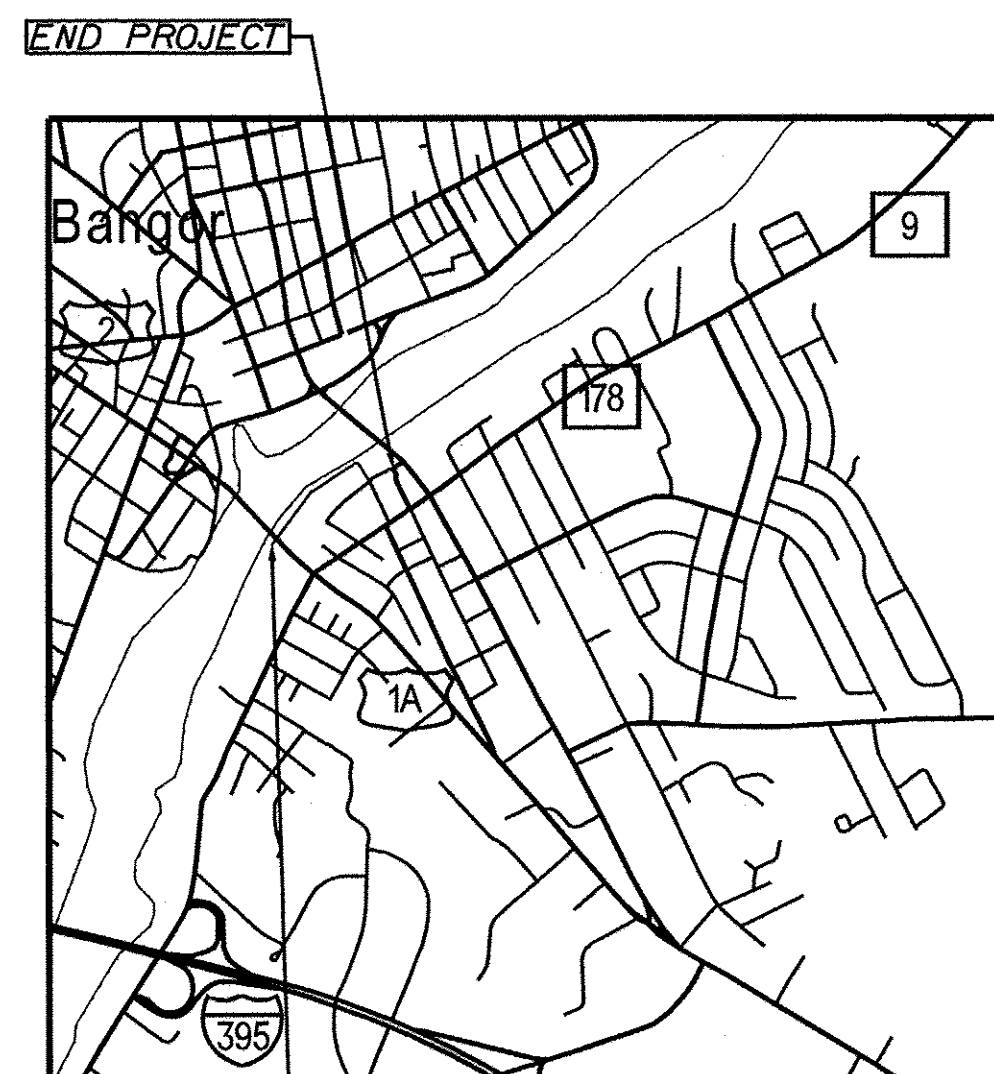
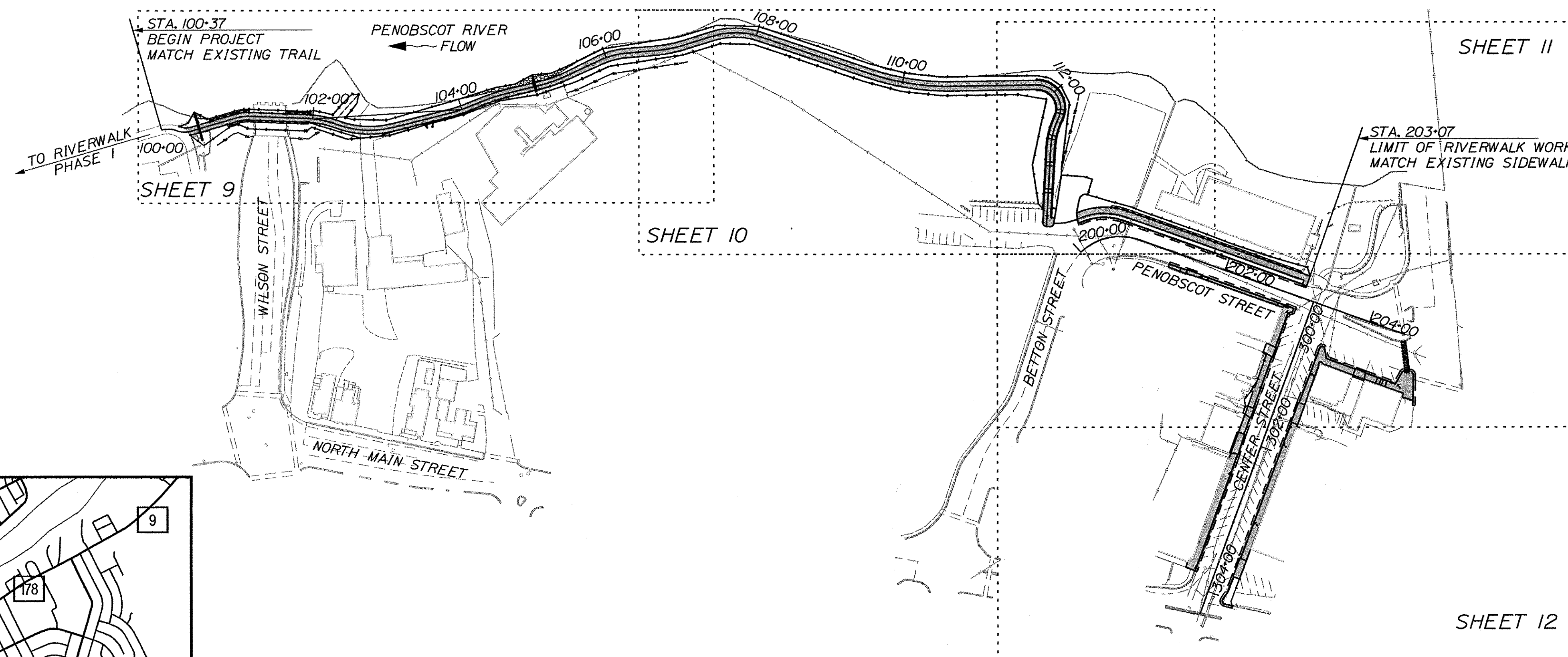
## BREWER PENOBSCOT COUNTY BREWER RIVERWALK PHASE II HPP-1885(800) PROJECT LENGTH: 0.40 MILES

### PLAN LEGEND

Town, County, State	Centerline-Existing	10+00
Property Lines	Centerline-Proposed	
R/W Lines-Existing	Travelway-Existing	
R/W Lines-Proposed	Travelway-Proposed	
Culvert-Existing	Railroad	
Culvert Proposed	Catch Basins	Existing Proposed
Curbing	Manholes	Existing Proposed
Type 1	Proposed Underdrain	
Type 3	Proposed Ditch	
Type 5	Existing Ditch	
Outline of Bodies of Water	Utility Poles	Existing Proposed
Ledge	Fire Hydrants	Existing Proposed
Buildings	Existing Water Line	
Trees	Existing San. Sewer	
Tree Line	Existing San. Sewer Manhole	
Clearing Limit Line - CLL	Guardrail-Existing	
Retaining Wall	Guardrail-Proposed	
	Guardrail-Cable, Other	

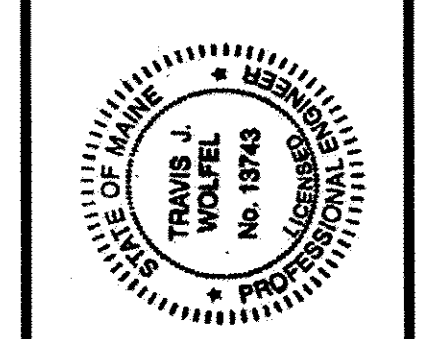
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<b>PROJECT LOCATION:</b>	ALONG THE PENOBSCOT RIVER FROM WILSON STREET TO STATE STREET
<b>PROGRAM AREA:</b>	MULTIMODAL
<b>SCOPE OF WORK:</b>	BICYCLE-PEDESTRIAN MULTI-USE PATH

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: Travis Wolfel		4/16/18
CHIEF ENGINEER: Jaye Noel Taylor		4-6-18



PROJECT INFORMATION	MULTIMODAL
PROGRAM	CATHERINE RAND
PROJECT MANAGER	TRAVIS WOLFEL
DESIGNER	KLEINFELDER
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SIGNATURE	DATE
TRAVIS WOLFEL	3/26/18
P. E. NUMBER	
13743	

WIN 18658.00 HPP-1885(800)

BREWER RIVERWALK
BREWER RIVERWALK
TITLE SHEET

SHEET NUMBER	1
OF 42	

Date: 3/26/2018

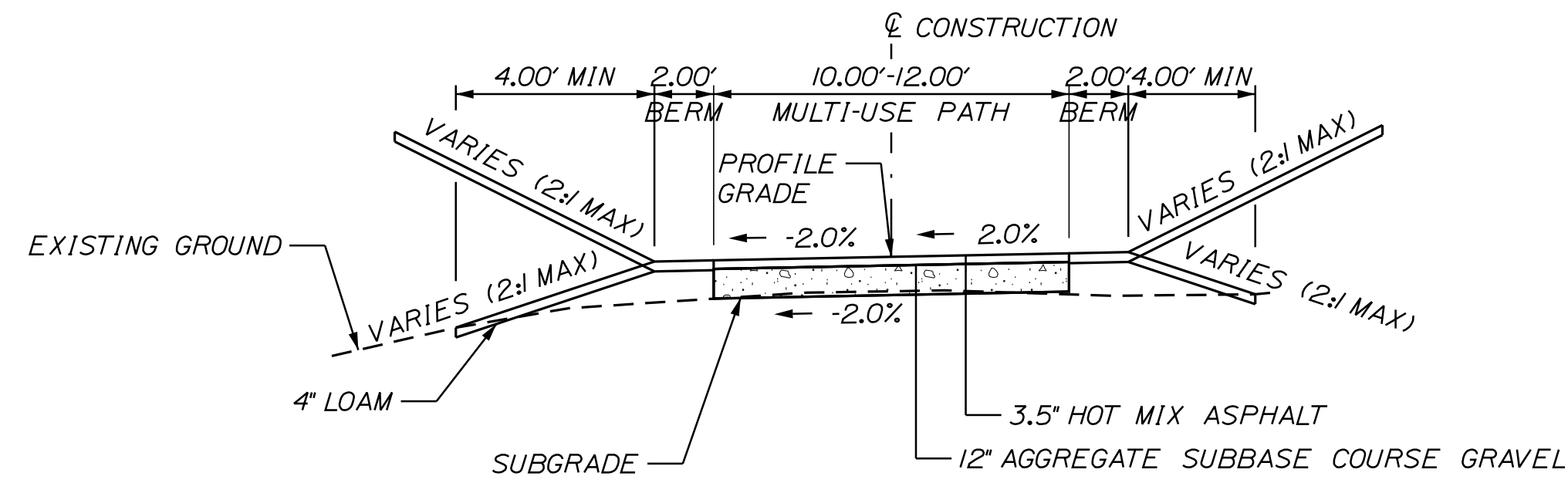
Username: TWolfel

Division: HIGHWAY

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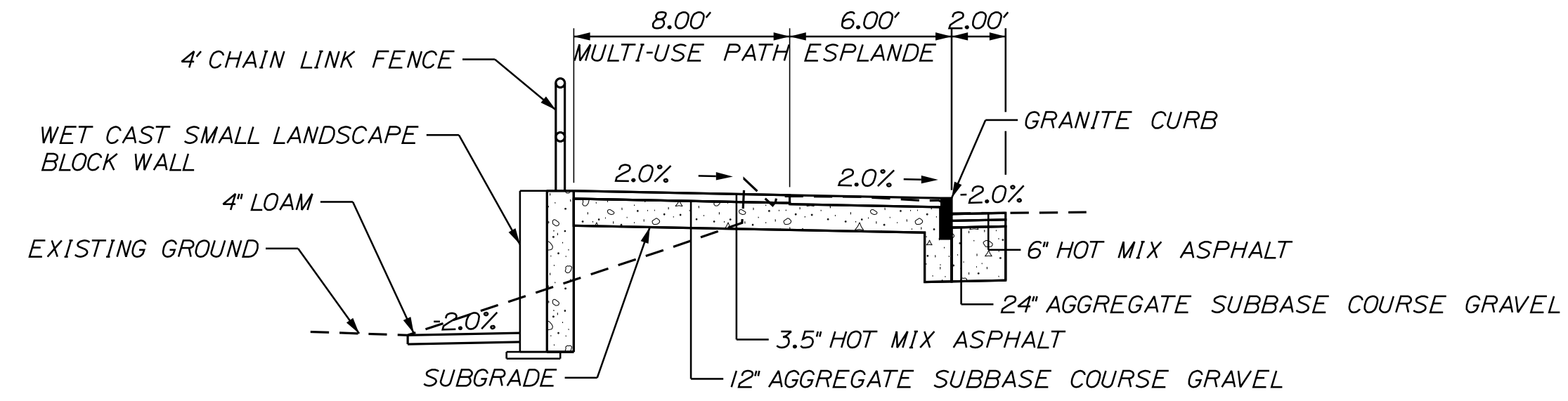
**NOTES:**

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
3. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.



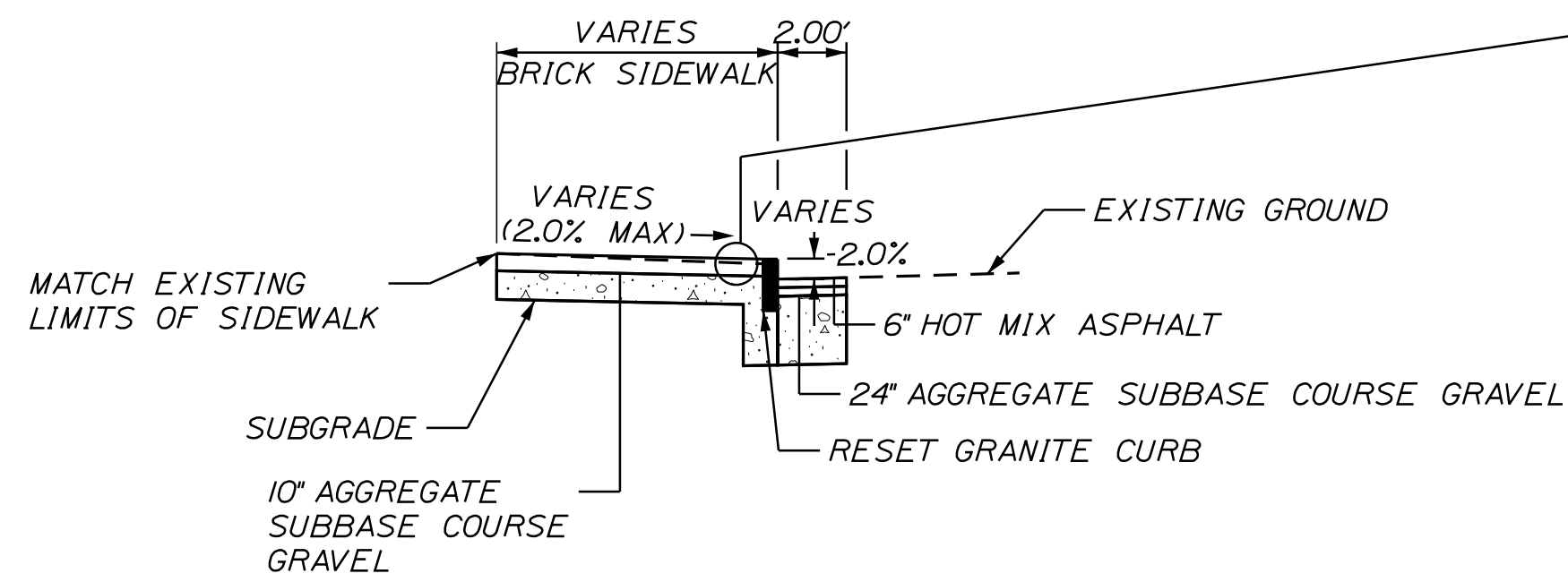
AGGREGATE SUBBASE COURSE GRAVEL
10'-12' MULTI-USE PATH
37.04 - 44.44 CY/100 LF
STATION TO STATION
100+00 TO 113+79.00

**MAINLINE MULTI-USE PATH  
FULL CONSTRUCTION  
STA. 100+37.00 TO STA. 113+79.00**

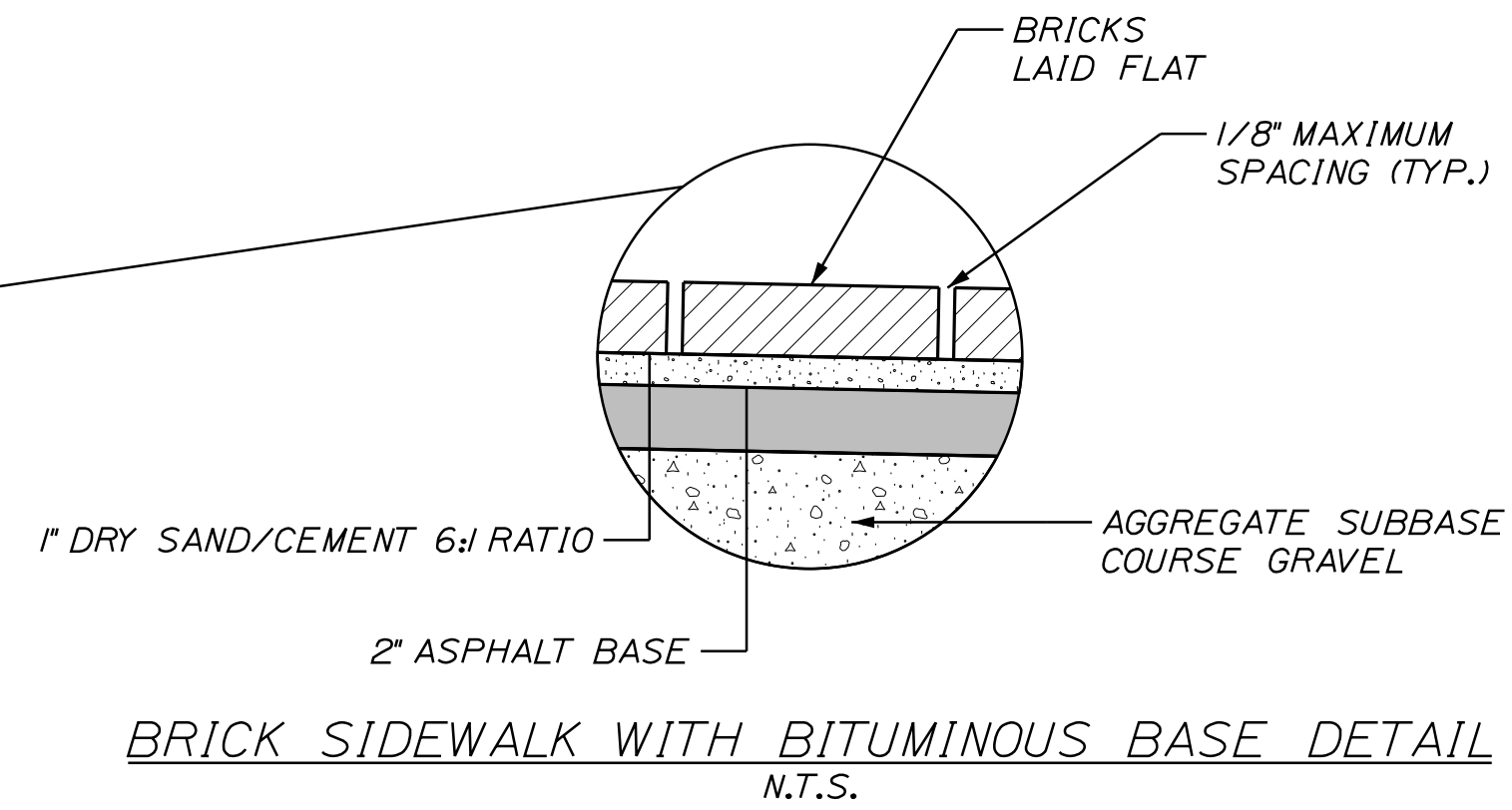


AGGREGATE SUBBASE COURSE GRAVEL
8' MULTI-USE PATH W/ESPLANDE
77.55 CY/100 LF
STATION TO STATION
200+16.00 TO 203+07.00

**PENOBSCOT STREET MULTI-USE PATH  
FULL CONSTRUCTION  
STA. 200+16.00 TO STA. 203+07.00**



**CENTER STREET SIDEWALK  
FULL CONSTRUCTION  
STA. 300+16.47 TO STA. 304+08.14**



**BRICK SIDEWALK WITH BITUMINOUS BASE DETAIL  
N.T.S.**

DATE	3/2/2018
BY	T. WOLFEL
PROJ. MANAGER	CATHERINE RAND
DESIGN-DETAILED	T. WOLFEL
CHECKED-REVIEWED	K. WOOD
DESIGN-DETAILED	J. WENTWORTH
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SIGNATURE	
P.E. NUMBER	
DATE	

**BREWER  
BREWER RIVERWALK  
TYPICAL SECTIONS**

BREWER RIVERWALK ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	14	EA
201.24	REMOVING STUMP	14	EA
202.08	REMOVING BUILDING NO.1	1	LS
202.12	REMOVING EXISTING STRUCTURAL CONCRETE	22	CY
203.20	COMMON EXCAVATION	1660	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES, PLAN QUANTITY	140	CY
304.10	AGGREGATE BASE COURSE - GRAVEL	1310	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	220	T
403.209	HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	150	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	270	T
409.15	BITUMINOUS TACK COAT - APPLIED	70	G
502.21	STRUCTURAL CONCRETE, ABUTMENTS, AND RETAINING WALLS	10	CY
502.2356	MISCELLANEOUS CONCRETE, BENCH PAD	2	CY
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	1800	LB
503.13	REINFORCING STEEL, PLACING	1800	LB
514.06	CURING BOX FOR CONCRETE CYLINDERS	1	EA
524.30	TEMPORARY STRUCTURAL SUPPORT (BRIDGE)	2	EA
524.30	TEMPORARY STRUCTURAL SUPPORT (EXISTING SLOPE)	2	EA
603.15	12" CULVERT PIPE OPTION I	20	LF
603.179	18" CULVERT PIPE OPTION III	36	LF
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	1	EA
604.245	CATCH BASIN TYPE F4-C	1	EA
607.16	CHAIN LINK FENCE 4'	220	LF
607.17	CHAIN LINK FENCE 6'	270	LF
607.191	CHAIN LINK FENCE - 9'	44	LF
607.194	CHAIN LINK FENCE - 12'	42	LF
607.22	CEDAR RAIL FENCE	860	LF
607.2311	CHAIN FENCE GATE 4' X 4' OPENING	3	EA
607.2326	CHAIN FENCE GATE 6' X 14' OPENING	1	EA
607.34	BRACING ASSEMBLY CHAIN LINK FENCE	10	EA
607.39	PEDESTRIAN FENCE	270	LF
608.15	BRICK SIDEWALK WITH BITUMINOUS BASE	740	SY
608.26	CURB RAMP DETECTABLE WARNING FIELD	80	SF
609.11	VERTICAL CURB TYPE 1	90	LF
609.238	TERMINAL CURB TYPE 1- 8'	15	EA
609.2381	TERMINAL CURB TYPE 1- 8' CIRCULAR	2	EA
609.31	CURB TYPE 3	18	LF
609.38	RESET CURB TYPE 1	1130	LF
610.08	PLAIN RIPRAP	47	CY
613.319	EROSION CONTROL BLANKET	54	SY
615.07	LOAM	270	CY
615.086	LOAM/COMPOST BLANKET	300	CY
618.13	SEEDING METHOD NUMBER 1	22	UN
619.12	MULCH	22	UN

BREWER RIVERWALK ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
620.58	EROSION CONTROL GEOTEXTILE	95	SY
621.032	EVERGREEN TREE GR. C 4'-5' B&B	2	EA
621.039	EVERGREEN TREES GR. C 5'-6' B&B	2	EA
621.045	EVERGREEN TREES GR. C 6'-8' B&B	2	EA
621.122	SMALL DECID. TREE GR. C 5'-6' B&B/CONT.	6	EA
621.145	SMALL DECID. TREE GR. A 2"-2 1/2"	3	EA
621.146	SMALL DECID. TREE GR. C 2"-2 1/2"	3	EA
621.202	MEDIUM DECID. TREE GR. B 2"-2 1/2" B&B	9	EA
621.2021	MEDIUM DECID. TREE GR. B 2"-2 1/2" CLUMP/MS	4	EA
621.203	MEDIUM DECID. TREE GR. C 2"-2 1/2" B&B	3	EA
621.273	LARGE DECID. TREE GR. B 2"-2 1/2"	9	EA
621.39	EVERGREEN SHRUB GR. B 15'-1'-8" CONT.	6	EA
621.493	BROADLEAF EVERGREEN GR. B 2"-2 1/2" CONT.	9	EA
621.51	HYBRID RHODODENDRON (15'-18")	60	EA
621.53	DECIDUOUS SHRUBS GR. B 8"-12" CONT.	60	EA
621.5351	DECIDUOUS SHRUBS GR. A 15'-18" CONT.	220	EA
621.54	DECIDUOUS SHRUBS GR. A 18"-24" CONT.	128	EA
621.546	DECIDUOUS SHRUBS GR. C 2"-2 1/2" CONT.	84	EA
621.558	DECIDUOUS SHRUBS GR. A 4'-5' CONT.	15	EA
621.711	HERBACEOUS PERENNIALS GROUP A 1 GAL. CONT.	350	EA
626.32	24 INCH DIAMETER FOUNDATION	8	EA
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	410	SF
629.05	HAND LABOR - STRAIGHT TIME	40	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	26	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	26	HR
634.162	PARK LIGHTING SYSTEM	1	LS
634.2041	LUMINAIRES	8	EA
634.210	CONVENTIONAL LIGHT STANDARD	8	EA
639.18	FIELD OFFICE TYPE A	1	EA
641.12	BENCH	6	EA
641.34	TRASH RECEPTACLE	4	EA
641.93	PICNIC SHELTER	1	EA
645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKING ASSEMBLY SIGNS, TYPE II	4	SF
652.312	BARRICADE TYPE III	10	EA
652.33	DRUM	50	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGN	210	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	120	CD
652.38	FLAGGER	610	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
673.10	WET CAST SMALL LANDSCAPE BLOCK WALL	3300	SF
841.49	BOLLARDS - COLLAPSIBLE	2	EA
910.03	SPECIAL WORK - WI-FI SYSTEM	1	LS
910.03	SPECIAL WORK - SECURITY CAMERA SYSTEM	1	LS

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGN-DETAILED	T. WOLFE	BY	T. WOLFE
CHECKED-REVIEWED	E. WALTON	DATE	3/2018
DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		P.E. NUMBER	
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER RIVERWALK  
ESTIMATED QUANTITIES & EARTHWORK SUMMARY

SHEET NUMBER  
**3**  
OF 42

GENERAL NOTES

1. CLEARING LIMITS SHALL BE 10' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

2. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.

3. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

4. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.

5. THE CONTRACTOR SHALL PLACE SUITABLE EXISTING OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ON ALL PAVEMENT EDGES TO ALLOW A DROP OFF NO GREATER THAN THE SURFACE PAVEMENT THICKNESS. THE MATERIAL SHALL BE GRADED TO MATCH EXISTING IN-SLOPE OR AS DIRECTED BY THE RESIDENT BEFORE SURFACE IS PLACED. THE CONTRACTOR WILL BE PAID UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS. BORROW IS NOT AUTHORIZED UNTIL ALL ACCEPTABLE WASTE MATERIAL HAS BEEN UTILIZED. SEED AND MULCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.

6. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

7. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.

8. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL PAID FOR AS GRANULAR BORROW.

9. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

10. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 1" AGGREGATE SUBBASE COURSE GRAVEL.

11. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

12. GRANULAR BORROW USED UNDER PIPES SHALL MEET THE REQUIREMENTS FOR MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.

13. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

14. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

15. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.

16. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

17. CHAIN LINK FENCE 6' FEET OR TALLER SHALL HAVE BRACING AS SPECIFIED IN STANDARD SPECIFICATION 607.05.

18. IN AREAS WHERE CURB TYPE 1 WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT IF NECESSARY AND UTILIZED AS SUCH AND PAID FOR UNDER ITEM 609.38 (RESET CURB TYPE 1).

19. BACKING UP BITUMINOUS OR CONCRETE SLIPFORM CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE NEW BITUMINOUS OR CONCRETE SLIPFORM CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS OR CONCRETE SLIPFORM CURB SHALL BE INCIDENTAL TO THE NEW CURB. IF CALLED FOR ON THE PLANS OR DIRECTED BY THE RESIDENT, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.

20. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

21. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS.

22. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS.

23. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

24. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

25. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

26. BENCHES (ITEM 641.12) SHALL BE LOCATED AS DIRECTED BY THE RESIDENT.

27. PROJECT INFORMATION REFERRED TO BELOW MAY BE ACCESSED AT THE FOLLOWING MAINE.DOT WEB ADDRESS:  
[HTTP://WWW.MAINE.GOV/MDOT/COMPREHENSIVE-LIST-PROJECTS/PROJECT-INFORMATION.PHP.](http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php)

28. THE EXISTING BRIDGE PLANS MAY BE ACCESSED AT THE MAINE.DOT 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.

29. THE CONTRACTOR SHALL SUBMIT A CONCRETE DEMOLITION AND TEMPORARY SHORING PLANS TO THE RESIDENT AT LEAST 10 BUSINESS DAYS PRIOR TO THE START OF DEMOLITION WORK. THE CONCRETE DEMOLITION PLAN SHALL OUTLINE THE METHODS AND EQUIPMENT TO BE USED TO REMOVE AND DISPOSE OF ALL MATERIALS INCLUDED IN THE EXISTING BRIDGE. THE TEMPORARY SHORING PLAN SHALL OUTLINE THE METHODS TO BE USED FOR TEMPORARY SHORING OF THE BRIDGE STRUCTURE DURING REMOVAL AND CONSTRUCTION. NO WORK RELATED TO THE REMOVAL OF THE CONCRETE SHALL BE UNDERTAKEN BY THE CONTRACTOR UNTIL MAINE.DOT HAS REVIEWED THE CONCRETE DEMOLITION AND TEMPORARY SHORING PLANS FOR APPROPRIATENESS AND COMPLETENESS. PAYMENT FOR ALL WORK NECESSARY FOR DEVELOPING, SUBMITTING, AND FINALIZING THE DEMOLITION AND TEMPORARY SHORING PLANS WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE REMOVAL AND TEMPORARY SHORING PAY ITEMS.

30. UNDETERMINED LOCATIONS SHALL BE DETERMINED BY THE RESIDENT.

**COMMON EXCAVATION FOR ESTIMATE**

COMMON EXCAVATION (FROM CROSS SECTIONS)	1,488
EARTH FROM DRIVES, OLD ROAD, ETC.	114
GRUBBING IN FILL	28
CULVERT INLET AND OUTLET DITCHES	18
<b>TOTAL COMMON EXCAVATION (for estimate)</b>	<b>1,648</b>

**FILL FOR BORROW CALCULATIONS**

COMMON FILL (FROM CROSS SECTIONS)	791
FILL FOR DRIVES	19
GRUBBING IN FILL	28
<b>TOTAL FILL</b>	<b>838</b>

**ROCK EXCAVATION FOR ESTIMATE**

<b>TOTAL ROCK EXCAVATION</b>	<b>0</b>
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**AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS**

(1) TOTAL COMMON EXCAVATION	1,648
DEDUCTIONS:	
GRUBBING IN CUT	493
GRUBBING IN FILL	28
(2) TOTAL DEDUCTIONS	521
<b>TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)</b>	<b>1,128</b>
RIPRAP EXCAVATION	0
<b>TOTAL AVAILABLE NON-ROCK EXCAVATION</b>	<b>1,128</b>

**COMPUTATION OF WASTE STORAGE & WASTE MATERIAL**

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)	28
GRUBBING IN CUT	493
GRUBBING IN FILL	28
<b>TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)</b>	<b>28</b>
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)	0

**COMPUTATION OF GRANULAR BORROW FOR ESTIMATE**

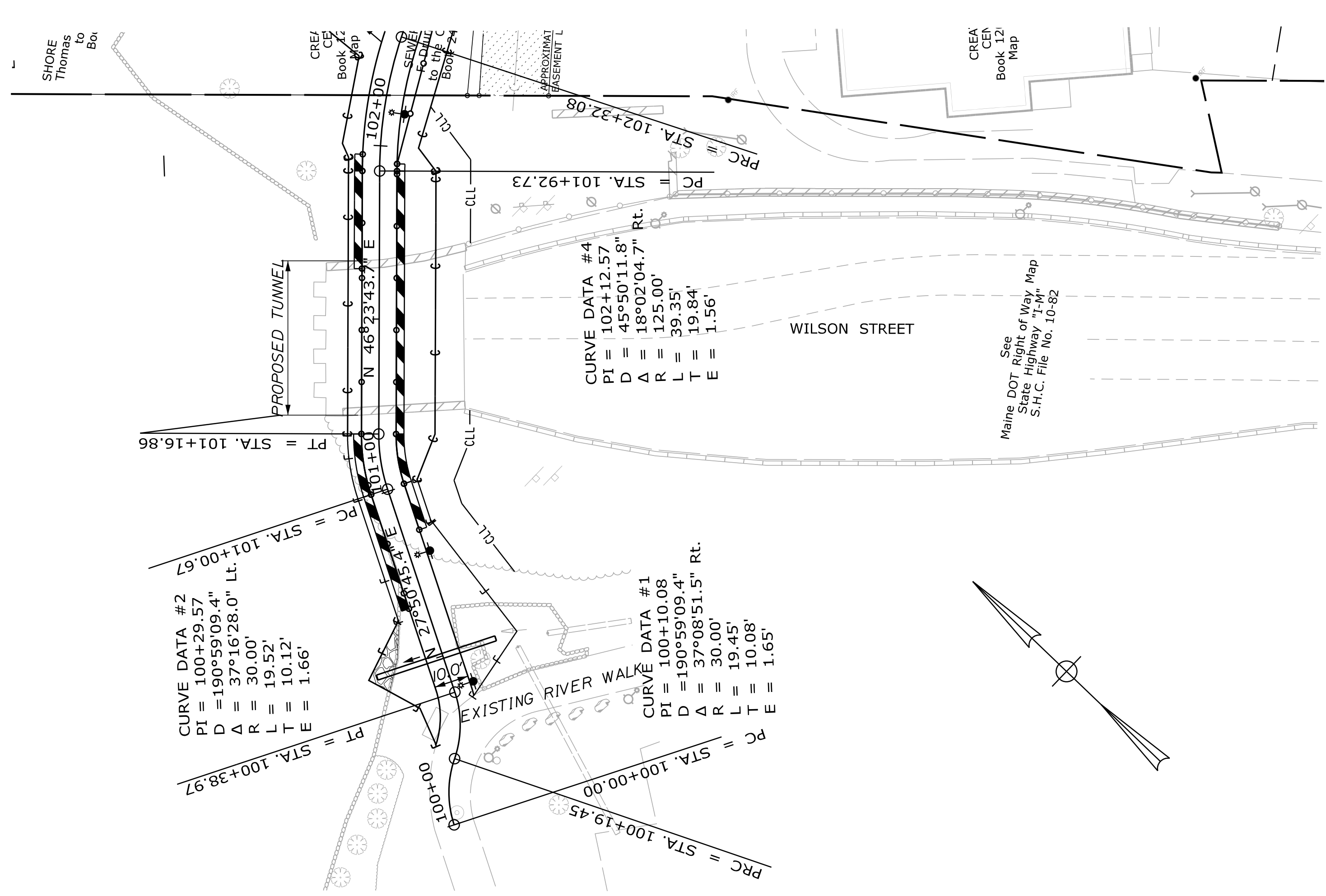
GRANULAR BORROW =	0 x 1.00 =	0
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**COMPUTATION FOR COMMON BORROW FOR ESTIMATE**

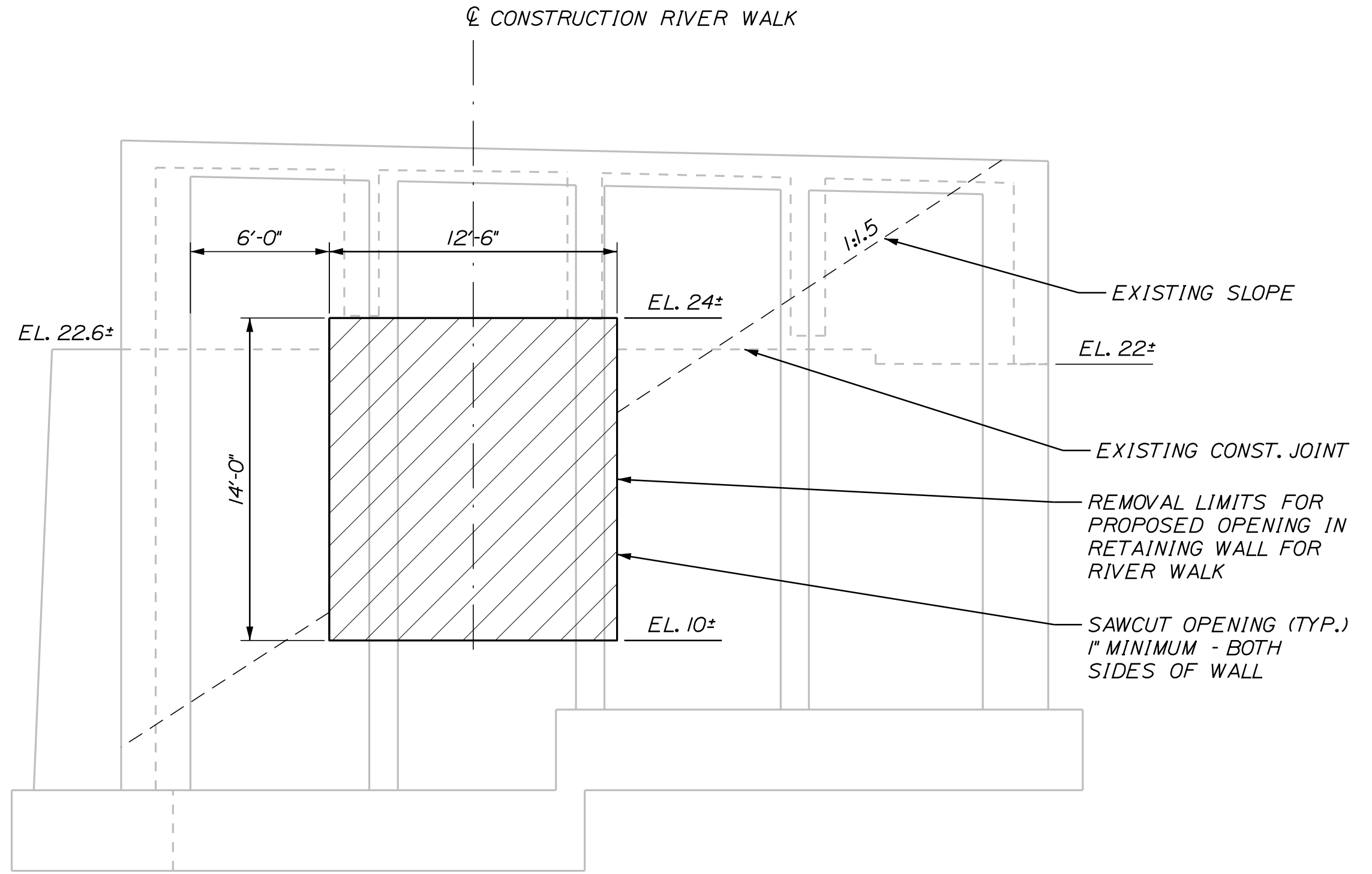
(3) TOTAL FILL	838	
TOTAL AVAIL. NON-ROCK EXCAV.	1,128 x 0.90 =	1,015
(4) TOTAL AVAILABLE EXCAVATION	1,015	
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	0	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION HPP-1885(800) WIN 18858.00 HIGHWAY PLANS
BREWSTER BREWSTER RIVERWALK GENERAL NOTES
SHEET NUMBER <b>4</b> OF 42

Date: 4/2/2018  
 Username:  
 Division: HIGHWAY  
 Filename: ... \MST\A004\_GeneralNotes.dgn



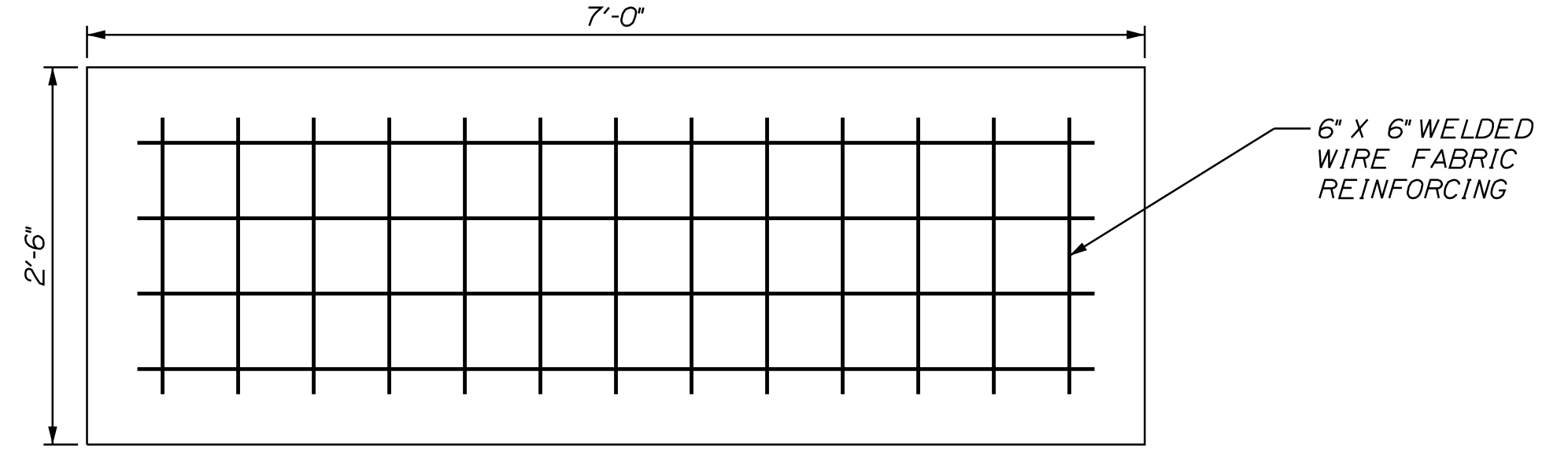
PLAN



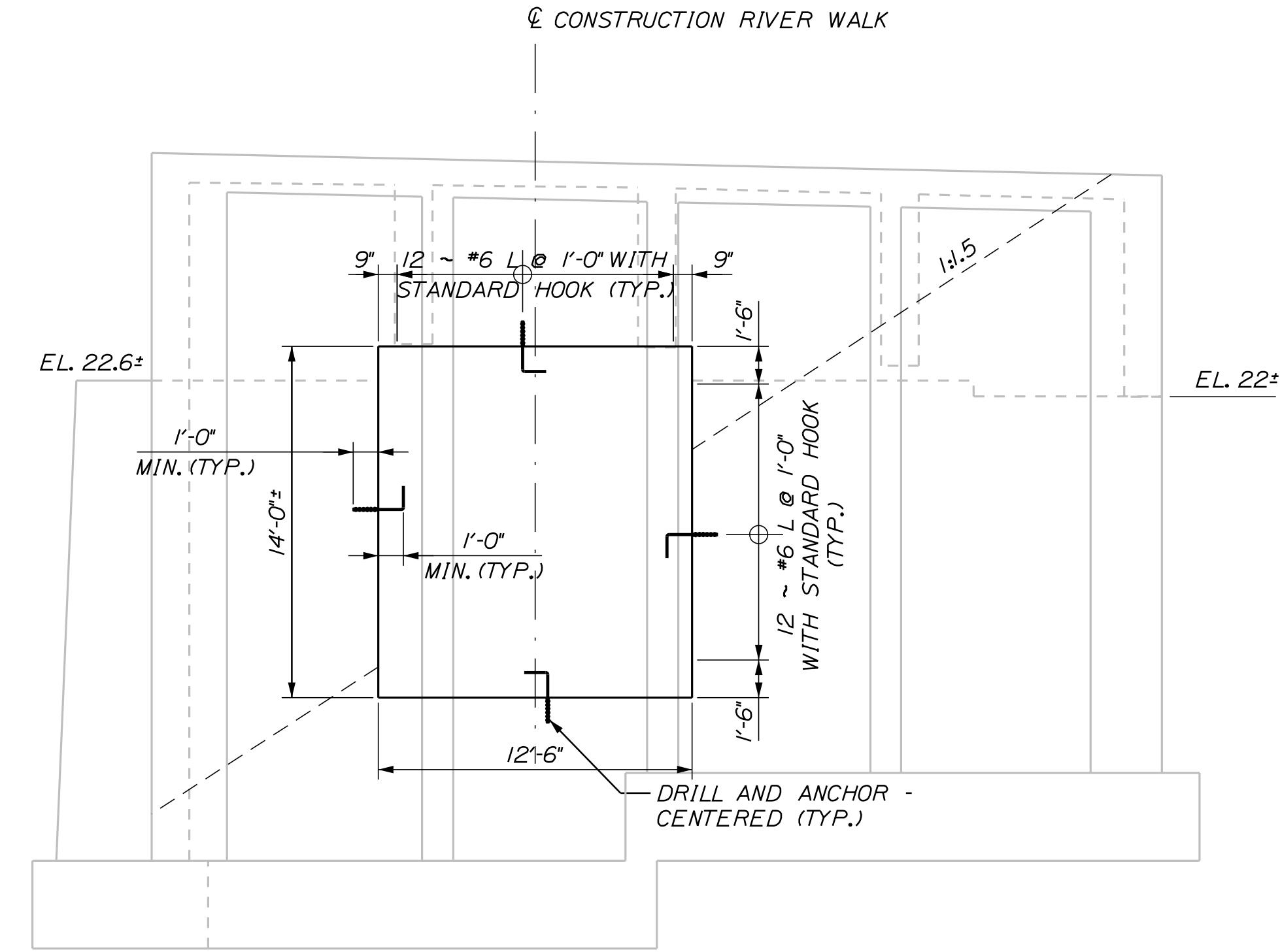
RETAINING WALL DEMOLITION LIMITS  
 (PILES NOT SHOWN FOR CLARITY)

NOTES:

1. THE CONTRACTOR SHALL PROVIDE TEMPORARY STRUCTURAL SUPPORTS UNDER THE EXISTING T-BEAMS DURING RETAINING WALL DEMOLITION AND CONSTRUCTION PAID FOR UNDER ITEM NO. 524.30 TEMPORARY STRUCTURAL SUPPORT.
2. ANY TEMPORARY SHORING NEEDED WITHIN THE PROPOSED TUNNEL LIMITS DURING CONSTRUCTION SHALL BE INCIDENTAL TO ITEM NO. 524.30 TEMPORARY STRUCTURAL SUPPORT.
3. DRILLING AND ANCHORING REINFORCING BARS INTO EXISTING CONCRETE RETAINING WALL SHALL BE PAID FOR UNDER ITEM NO. 503.13 REINFORCING STEEL PLACING. ANCHORING MATERIAL SHALL BE AN APPROVED PRODUCT FROM MAINE DOT QUALIFIED PRODUCTS LIST.
4. REINFORCING STEEL SHALL HAVE 2 INCHES MINIMUM COVER UNLESS OTHERWISE NOTED.
5. ADJUST REINFORCING STEEL TO FIT AS NEEDED IN A MANNER APPROVED BY THE RESIDENT. ANY CUTTING AND ADJUSTMENT OF REINFORCING STEEL SHALL BE INCIDENTAL TO ITEM NO. 503.13 REINFORCING STEEL PLACING.
6. SAWCUTS FOR RETAINING WALL DEMOLITION SHALL BE INCIDENTAL TO CONCRETE REMOVAL ITEM 202.12.
7. THE AREA THE CONTRACTOR MAY NEED TO ACCESS FOR TUNNEL DEMOLITION AND CONSTRUCTION ACTIVITIES MAY BE CONSIDERED A CONFINED SPACE IN ACCORDANCE WITH OSHA STANDARDS. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW ALL REQUIRED OSHA STANDARDS FOR THIS AREA DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. PAYMENT FOR ALL NECESSARY MEASURES TO ABIDE BY OSHA STANDARDS FOR THIS WORK SHALL BE INCIDENTAL TO THE RELATED CONSTRUCTION ITEMS.



BENCH CONCRETE PAD  
 (84" LONG BY 30" WIDE BY 3" DEEP)  
 N.T.S.



RETAINING WALL REINFORCING  
 (PILES NOT SHOWN FOR CLARITY)

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGN-DETAILED	E. WALTON	BY	T. WOLFEL
CHECKED-REVIEWED	K. WOOD		J. WERTWORTH
DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		P.E. NUMBER	
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

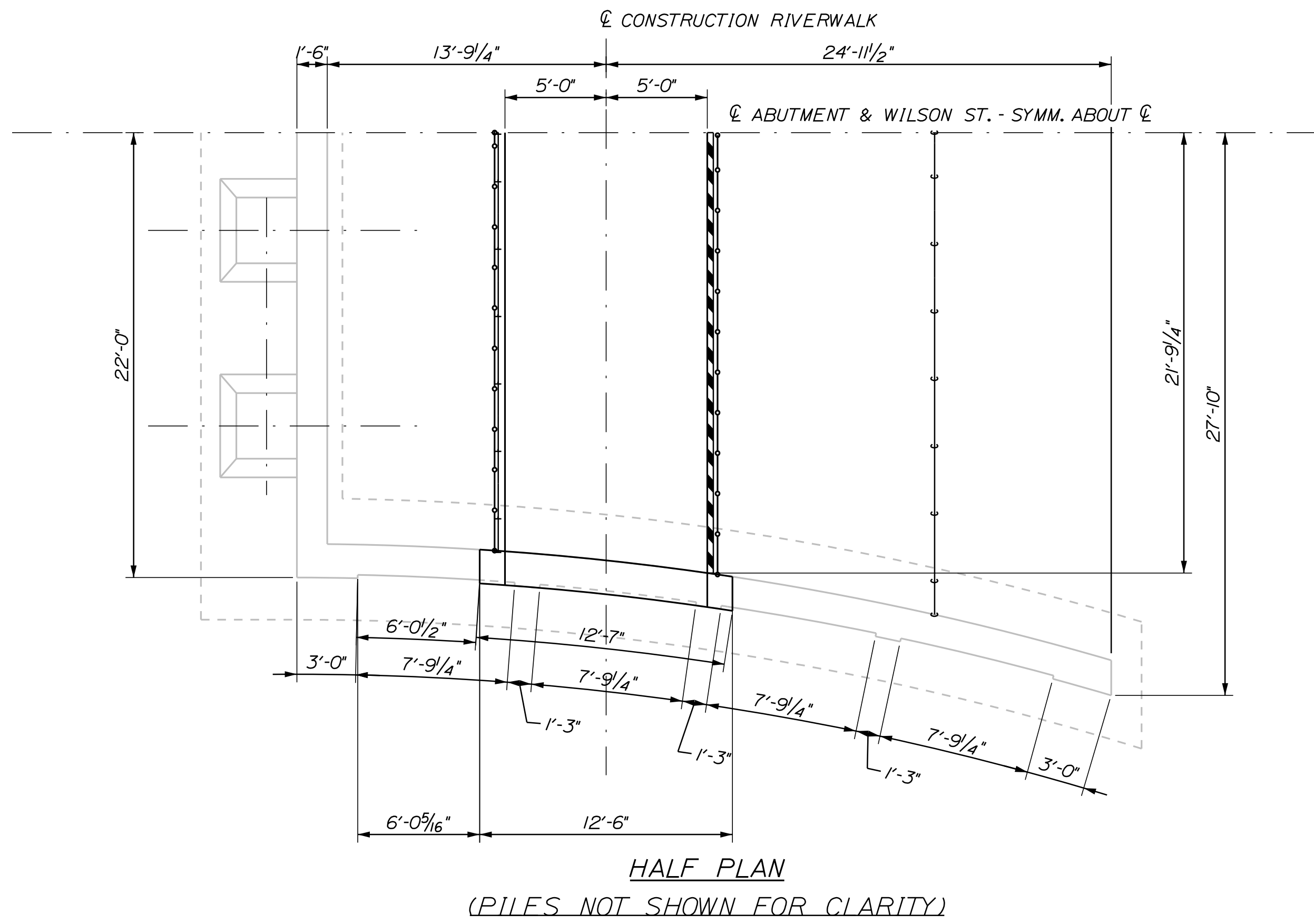
BREWER RIVER WALK  
 BREWER RIVER WALK  
 SPECIAL DETAILS - TUNNEL  
 DEMOLITION

Date: 4/2/2018

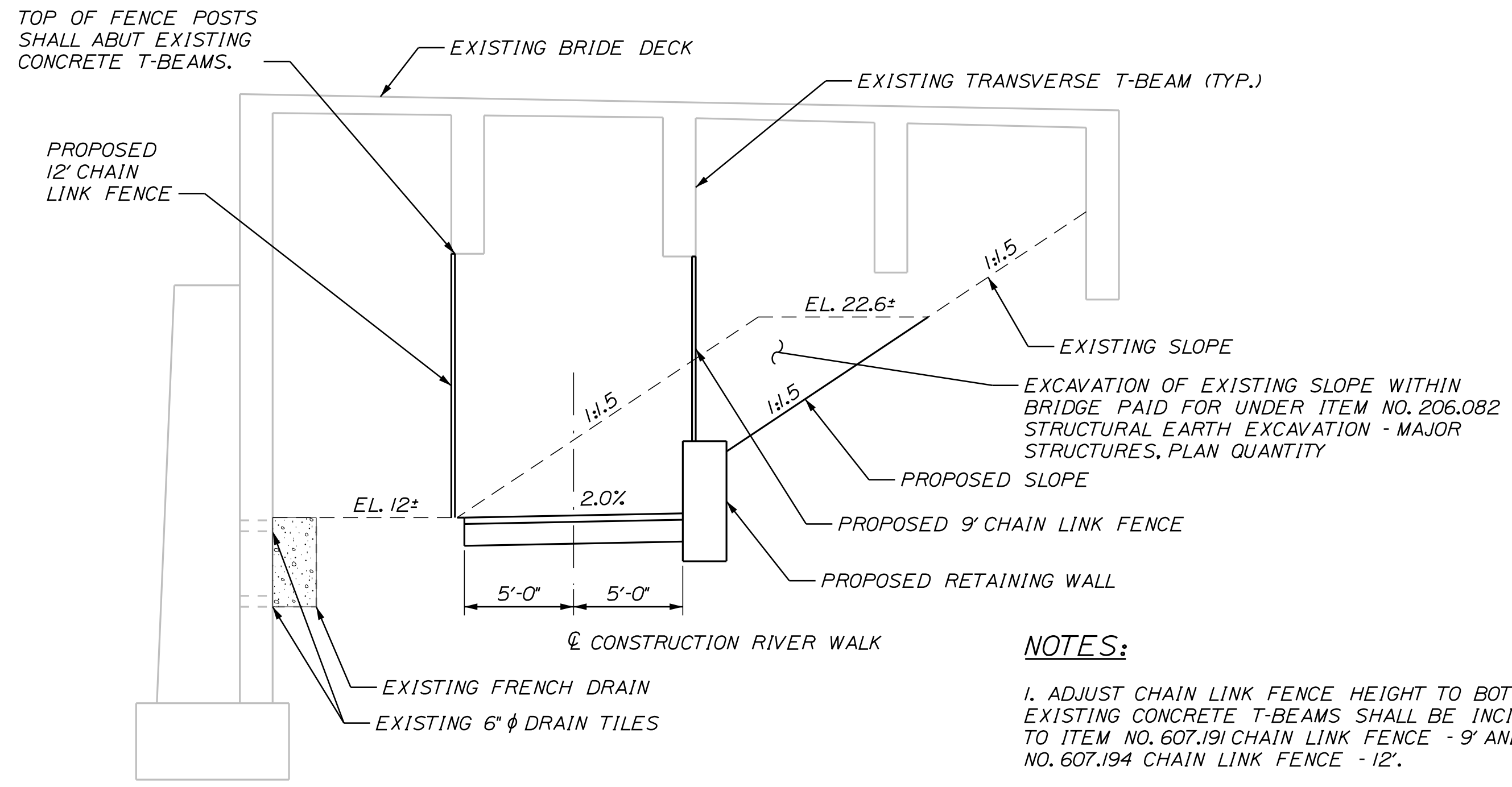
Username:

Division: HIGHWAY

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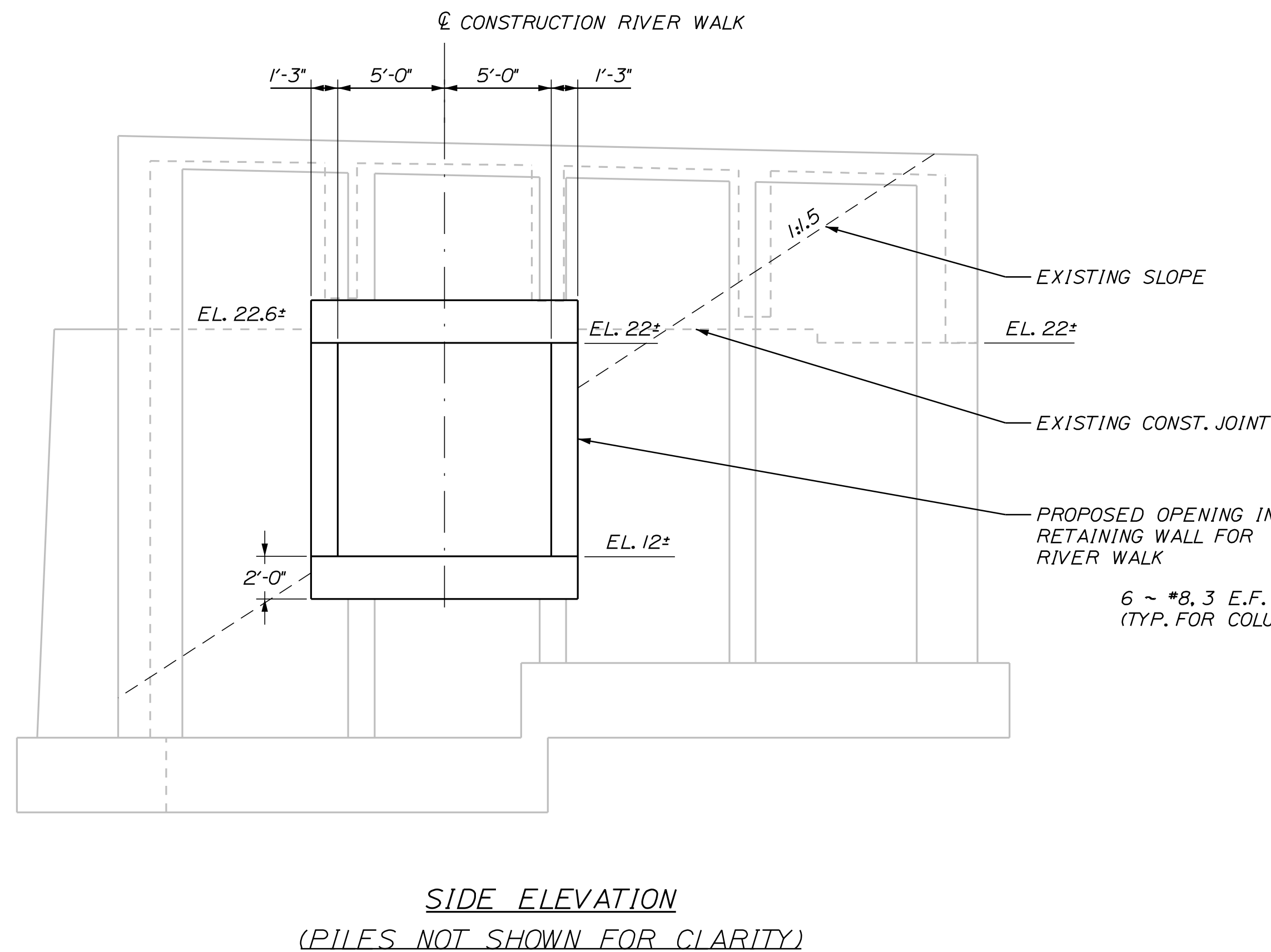


HALF PLAN  
(PILES NOT SHOWN FOR CLARITY)

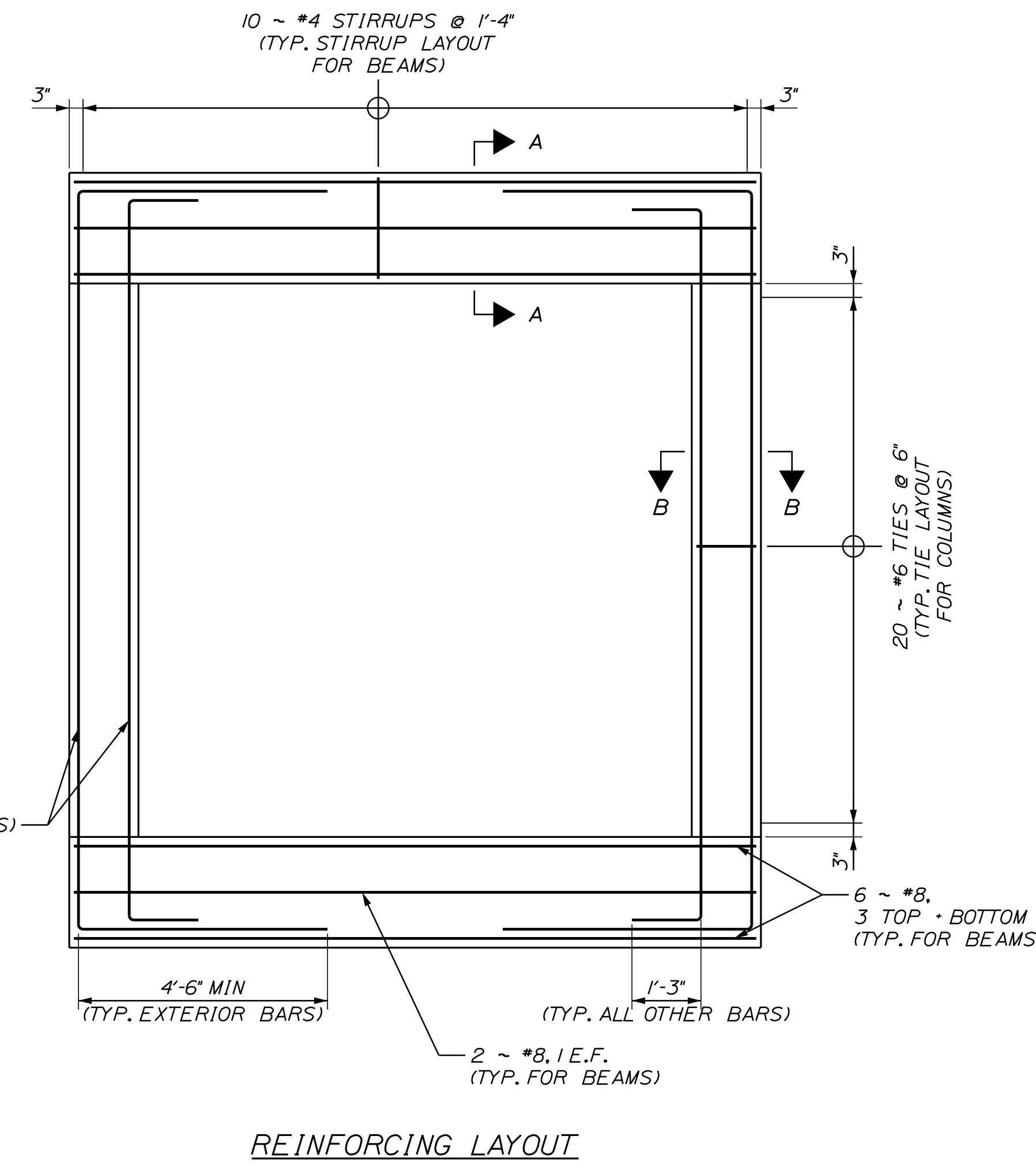


SECTION ALONG CL OF WILSON STREET  
(PILES NOT SHOWN FOR CLARITY)

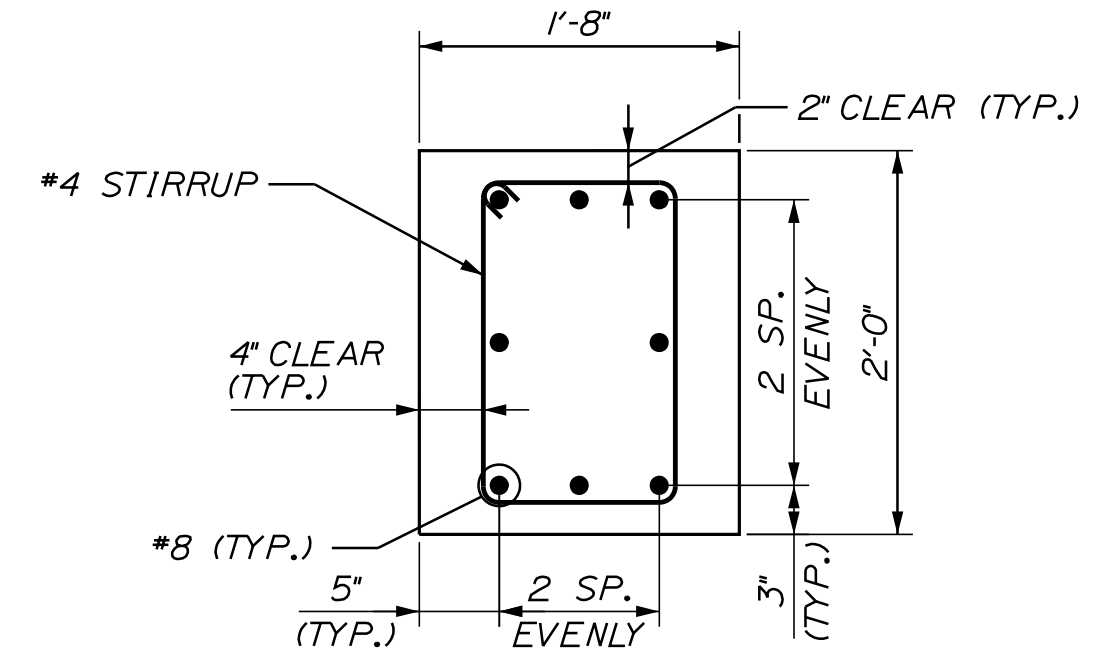
NOTES:  
1. ADJUST CHAIN LINK FENCE HEIGHT TO BOTTOM OF EXISTING CONCRETE T-BEAMS SHALL BE INCIDENTAL TO ITEM NO. 607.191 CHAIN LINK FENCE - 9' AND ITEM NO. 607.194 CHAIN LINK FENCE - 12'.



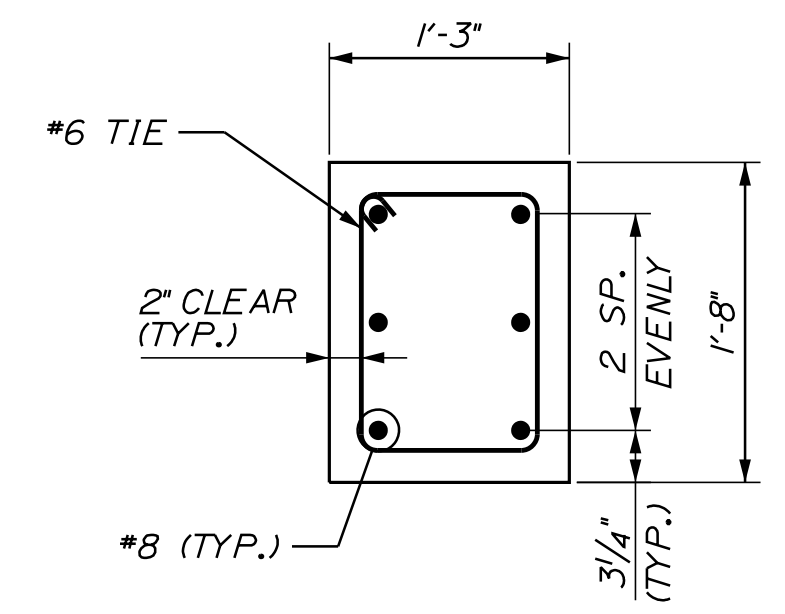
SIDE ELEVATION  
(PILES NOT SHOWN FOR CLARITY)



REINFORCING LAYOUT



SECTION A-A  
(TYP. BEAM SECTION)



SECTION B-B  
(TYP. COLUMN SECTION)

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		HPP-1885(800)		WIN 18856.00		HIGHWAY PLANS	
PROJ. MANAGER CATHERINE RAND		DESIGN-DETAILED E. WALTON		CHECKED-REVIEWED K. WOOD		DESIGN-DETAILED		REVISIONS 1	
BY T. WOLFEL		DATE 3/2018		SIGNATURE		P.E. NUMBER		DATE	
BREWSTER RIVERWALK		SPECIAL DETAILS - TUNNEL		SHEET NUMBER		6		OF 42	



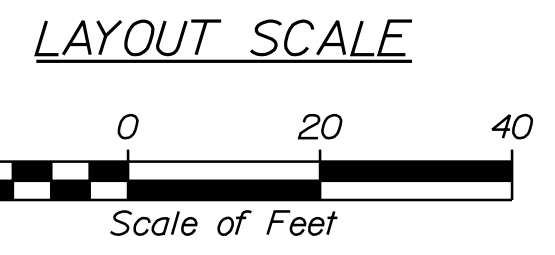
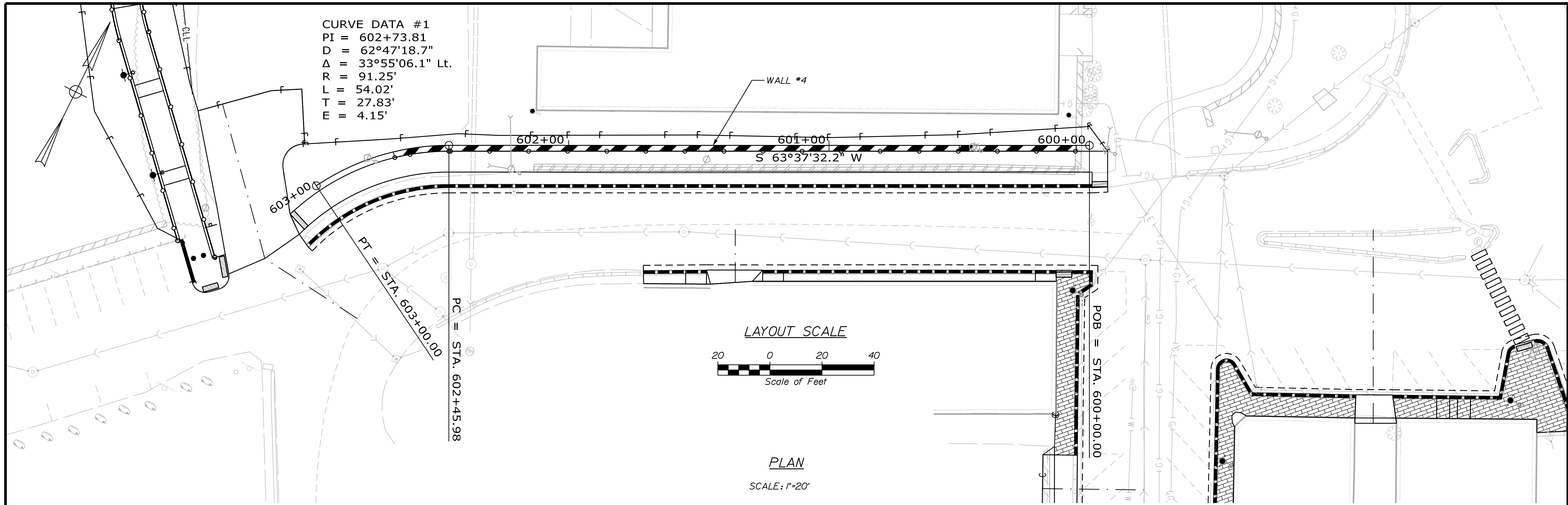
Date: 4/2/2018

Username:

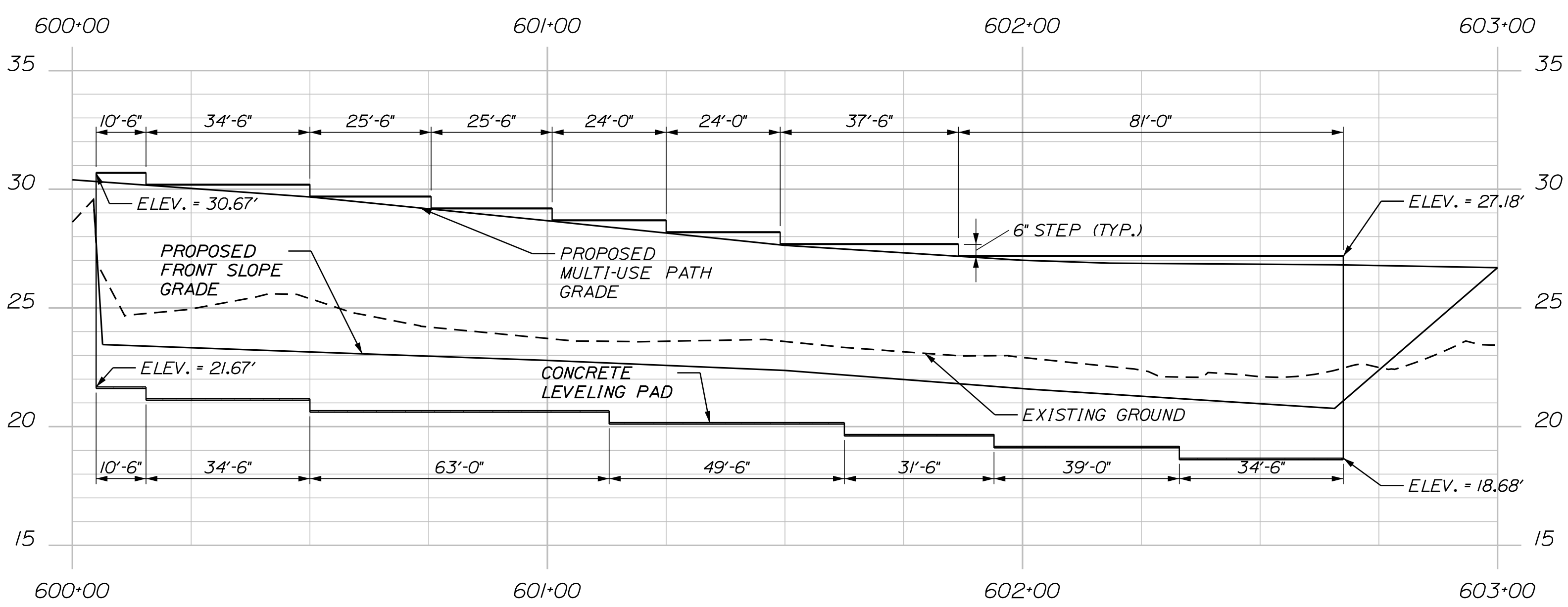
Division: HIGHWAY

Filename: ... \MSTAN008\_WallDetail.dgn

CURVE DATA #1  
 PI = 602+73.81  
 D = 62°47'18.7"  
 Δ = 33°55'06.1" Lt.  
 R = 91.25'  
 L = 54.02'  
 T = 27.83'  
 E = 4.15'



PLAN  
 SCALE: 1"=20'



WALL 4 PROFILE  
 (SCALE: 1"=20' HORIZONTAL, 1"=4' VERTICAL)

NOTES:

1. THE CONTRACTOR SHALL PROVIDE A WET CAST SMALL LANDSCAPE BLOCK WALL IN ACCORDANCE WITH THE STANDARD SPECIFICATION 673. THE WALL DESIGN SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATION AND SHALL BE STAMPED BY A LICENSED PROFESSIONAL ENGINEER. THE DESIGN COMPUTATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE RESIDENT FOR REVIEW. PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.
2. BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION 673.
3. THE APPLIED FACTORED BEARING PRESSURE FOR THE PROPOSED WALL SHALL NOT EXCEED 3.00 KSF AT THE STRENGTH LIMIT STATE.
4. ALL BLOCKS AT THE ENDS OF THE WALLS MUST BE FINISHED ON THREE SIDES, THE FRONT, THE TOP, AND THE EXPOSED END. BLOCKS WITH EXPOSED SURFACES AT THE ENDS AND TOP OF THE WALL MUST BE MANUFACTURED FOR THIS PURPOSE AND MUST BE FINISHED TO MATCH THE FACE OF THE BLOCKS.
5. PIPED DRAINAGE SHALL BE INCLUDED IN THE DESIGN OF THE WALLS. WALL DRAINAGE SHALL BE INCIDENTAL TO CONSTRUCTION OF THE WALL.
6. A MINIMUM EMBEDMENT DEPTH OF 2 FEET BELOW EXISTING GRADE IS REQUIRED IN THE DESIGN AND CONSTRUCTION OF THE WET CAST SMALL LANDSCAPE BLOCK WALL, AND DOES NOT INCLUDE THE DEPTH OF THE CONCRETE LEVELING BLOCK.
7. THE SURFACE AREA QUANTITY OF THE PROPOSED WALL WILL BE APPROVED BY THE RESIDENT ENGINEER.
8. LAYOUT AND WALL STEPS SHOWN ARE BASED ON THE BLOCK SIZE OF 1'-6" LONG AND 6" HIGH.
9. A PEDESTRIAN FENCE SHALL BE INSTALLED ALONG THE TOP OF THE WALL #4. FENCE SHALL BE PAID UNDER ITEM NO. 607.36 PEDESTRIAN FENCE.
10. THE MINIMUM LIMIT OF EXCAVATION AND GRAVEL BORROW BACKFILL SHALL BE 1'-0" BEHIND THE REAR FACE OF THE WALL BLOCKS OR GEOSYNTHETIC REINFORCEMENT AS APPLICABLE. EXCAVATION AND GRAVEL BACKFILL IS INCIDENTAL TO THE CONSTRUCTION OF THE WALL.
11. ALL FENCE POSTS SHALL BE INSTALLED IN SLEEVES EMBEDDED IN THE FILL MATERIALS. THE SLEEVES SHALL BE INSTALLED DURING WALL CONSTRUCTION IN A MANNER THAT DOES NOT DAMAGE THE WALL REINFORCING. FOLLOWING THE INSTALLATION OF THE FENCE POSTS THE ANNULAR SPACE BETWEEN THE POST AND THE SLEEVE SHALL BE FILLED WITH COMPACTED SAND OR GRAVEL. ALL WORK ASSOCIATED WITH THE FENCE POST SLEEVES SHALL BE INCIDENTAL TO THE RELATED WALL ITEM.

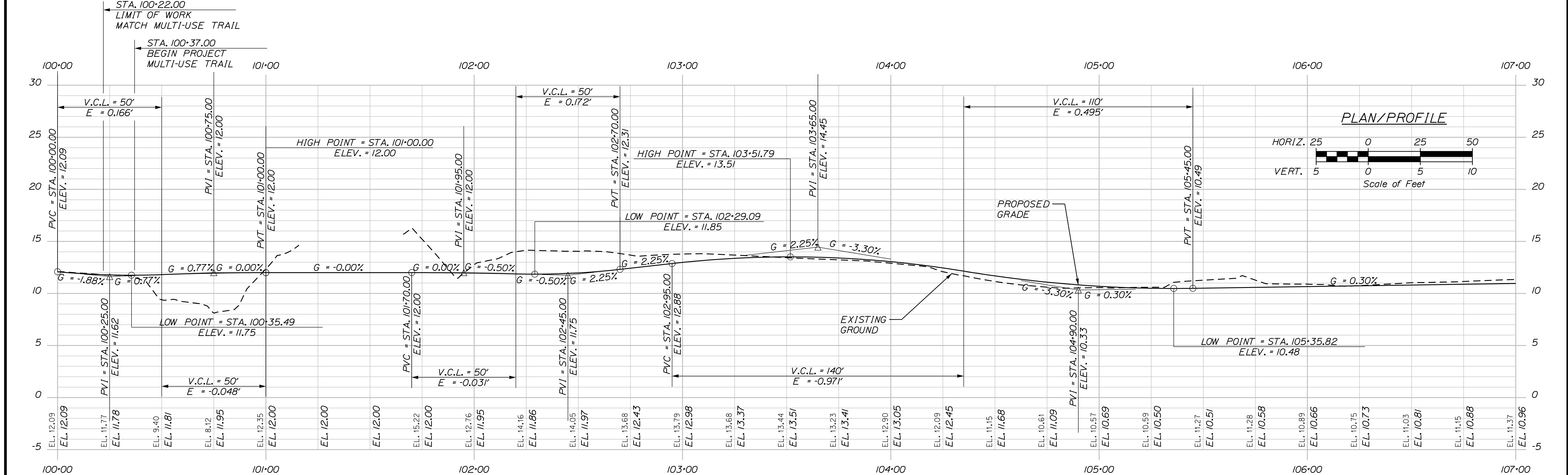
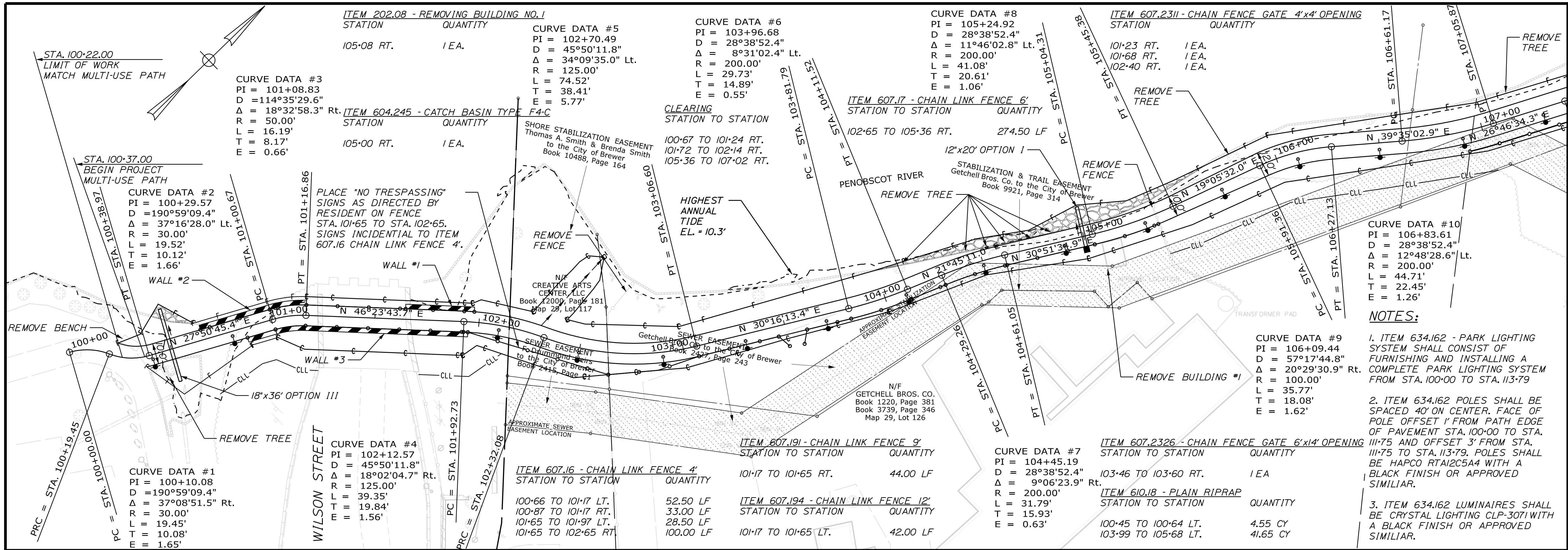
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-1885(800)		WIN 18856.00	
HIGHWAY PLANS			
PROJ. MANAGER	CATHERINE RAND	BY	T. WOLFEL
DESIGN-DETAILED	T. WOLFEL	DATE	3/2018
CHECKED-REVIEWED	K. WOOD		J. WERTWORTH
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
BREWER RIVERWALK		SPECIAL DETAILS -	
BREWER RIVERWALK		RETAINING WALL 4	
SHEET NUMBER		8	
		OF 42	

Date: 4/12/2018

Username:

Division: HIGHWAY

Filename: ...multimode\WSTA\009\_HDP\Plan1.dgn



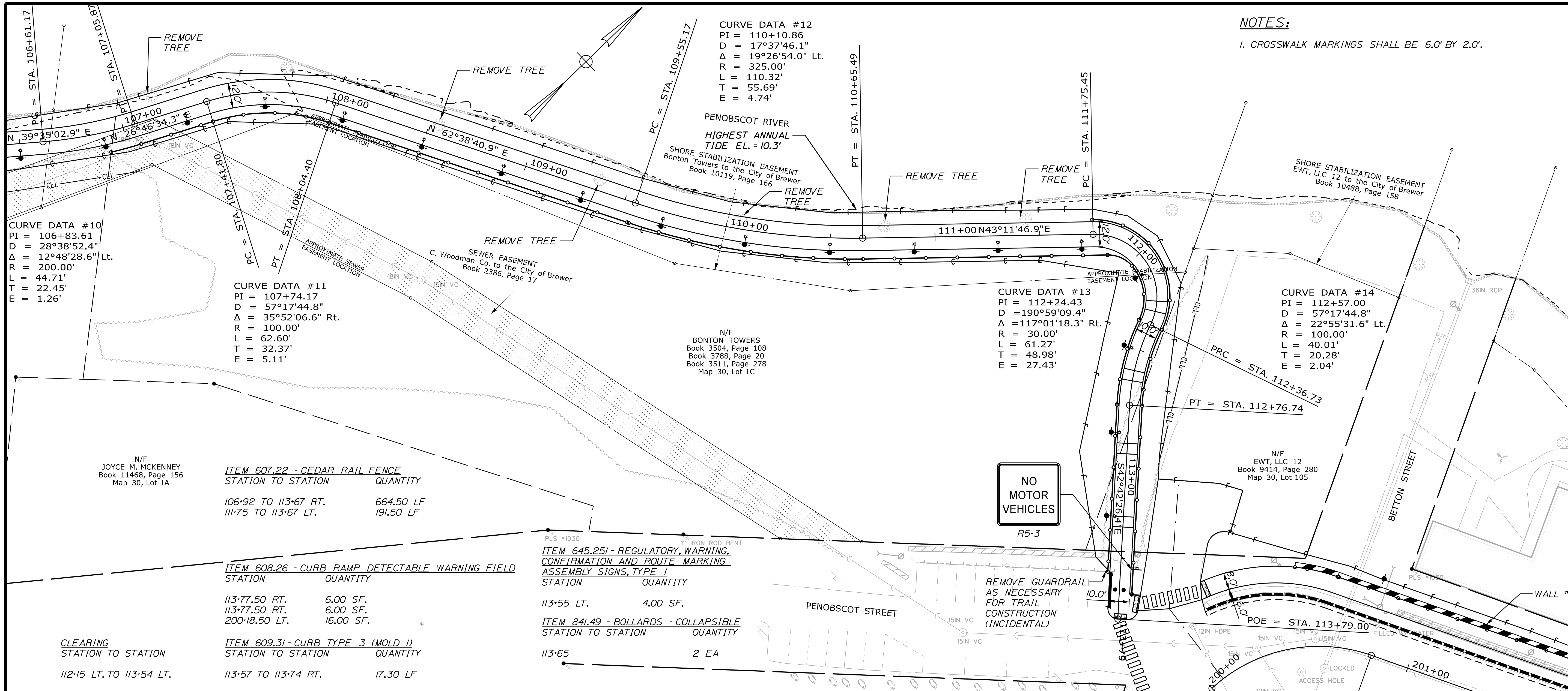
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN 18855.00  
HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGN-DETAILED	T. WOLFEL	BY	T. WOLFEL
CHECKED-REVIEWED	K. WOOD	DATE <td>3/2018</td>	3/2018
DESIGN-DETAILED	J. WAINWORTH	SIGNATURE	
DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		DATE	
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

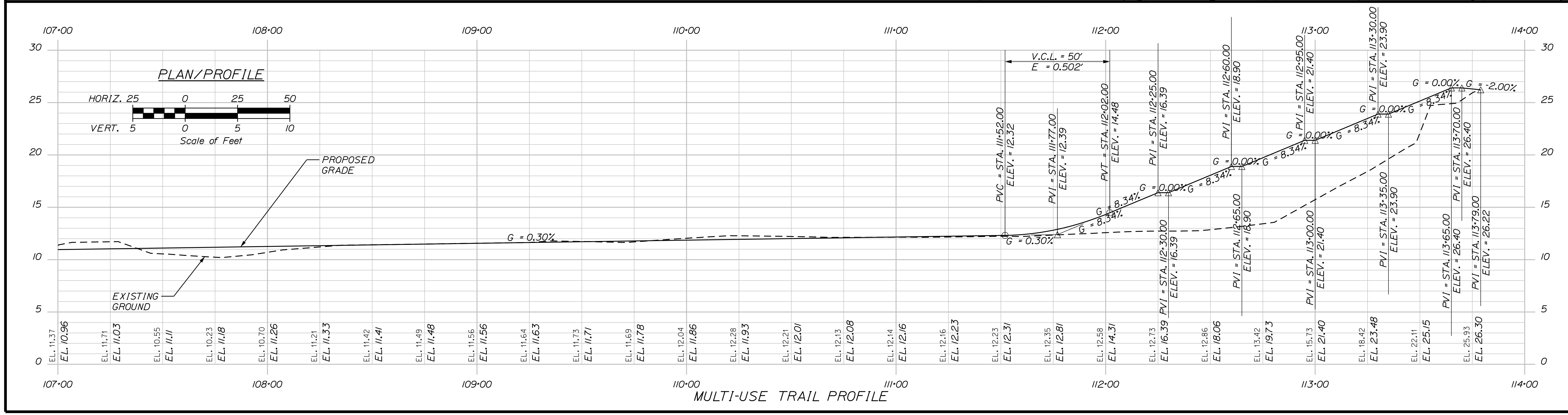
BREWER  
BREWER RIVERWALK  
PLAN AND PROFILE

SHEET NUMBER  
**9**  
OF 42

Date: 4/2/2018  
 Username: HIGHWAY  
 Division: HIGHWAY  
 Filename: ... \multimode\WSTA\010\_HDPlan2.dgn



**NOTES:**  
 1. CROSSWALK MARKINGS SHALL BE 6.0' BY 2.0'.



ITEM	DESCRIPTION	STATION TO STATION	QUANTITY
607.22	CEEDAR RAIL FENCE	106+92 TO 113+67 RT.	664.50 LF
		111+75 TO 113+67 LT.	191.50 LF
608.26	CURB RAMP DETECTABLE WARNING FIELD	113+77.50 RT.	6.00 SF.
		113+77.50 RT.	6.00 SF.
		200+18.50 LT.	16.00 SF.
609.31	CURB TYPE 3 (MOLD I)	112+15 LT. TO 113+54 LT.	17.30 LF
		113+57 TO 113+74 RT.	17.30 LF

ITEM	DESCRIPTION	STATION	QUANTITY
645.251	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKING ASSEMBLY SIGNS, TYPE 1	113+55 LT.	4.00 SF.
841.49	BOLLARDS - COLLAPSIBLE	113+65	2 EA

**CURVE DATA #10**  
 PI = 106+83.61  
 D = 28°38'52.4"  
 Δ = 12°48'28.6" Lt.  
 R = 200.00'  
 L = 44.71'  
 T = 22.45'  
 E = 1.26'

**CURVE DATA #11**  
 PI = 107+74.17  
 D = 57°17'44.8"  
 Δ = 35°52'06.6" Rt.  
 R = 100.00'  
 L = 62.60'  
 T = 32.37'  
 E = 5.11'

**CURVE DATA #12**  
 PI = 110+10.86  
 D = 17°37'46.1"  
 Δ = 19°26'54.0" Lt.  
 R = 325.00'  
 L = 110.32'  
 T = 55.69'  
 E = 4.74'

**CURVE DATA #13**  
 PI = 112+24.43  
 D = 190°59'09.4"  
 Δ = 117°01'18.3" Rt.  
 R = 30.00'  
 L = 61.27'  
 T = 48.98'  
 E = 27.43'

**CURVE DATA #14**  
 PI = 112+57.00  
 D = 57°17'44.8"  
 Δ = 22°55'31.6" Lt.  
 R = 100.00'  
 L = 40.01'  
 T = 20.28'  
 E = 2.04'

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-1885(800)		WIN 18858.00	
HIGHWAY PLANS		DATE	
DATE	BY	DATE	BY
3/2018	T. WOLFEL	3/2018	J. WATWORTH
DESIGN-DETAILED	T. WOLFEL	CHECKED-REVIEWED	K. WOOD
DESIGNS DETAILED		DESIGNS DETAILED	
REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES	
BREWER RIVERWALK		SHEET NUMBER	
BREWER RIVERWALK		10	
PLAN AND PROFILE		OF 42	

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\011\_HDPlan3.dgn

ITEM 607.39 - PEDESTRIAN FENCE

STATION TO STATION	QUANTITY
200+49 TO 202+95 LT.	261.50 LF

DRIVES AND ENTRANCES

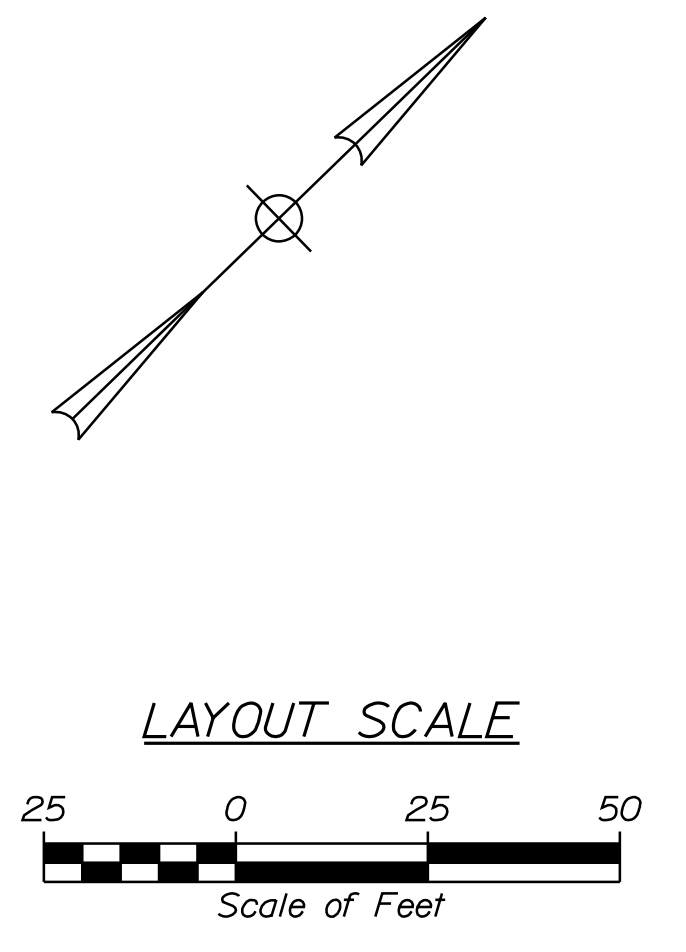
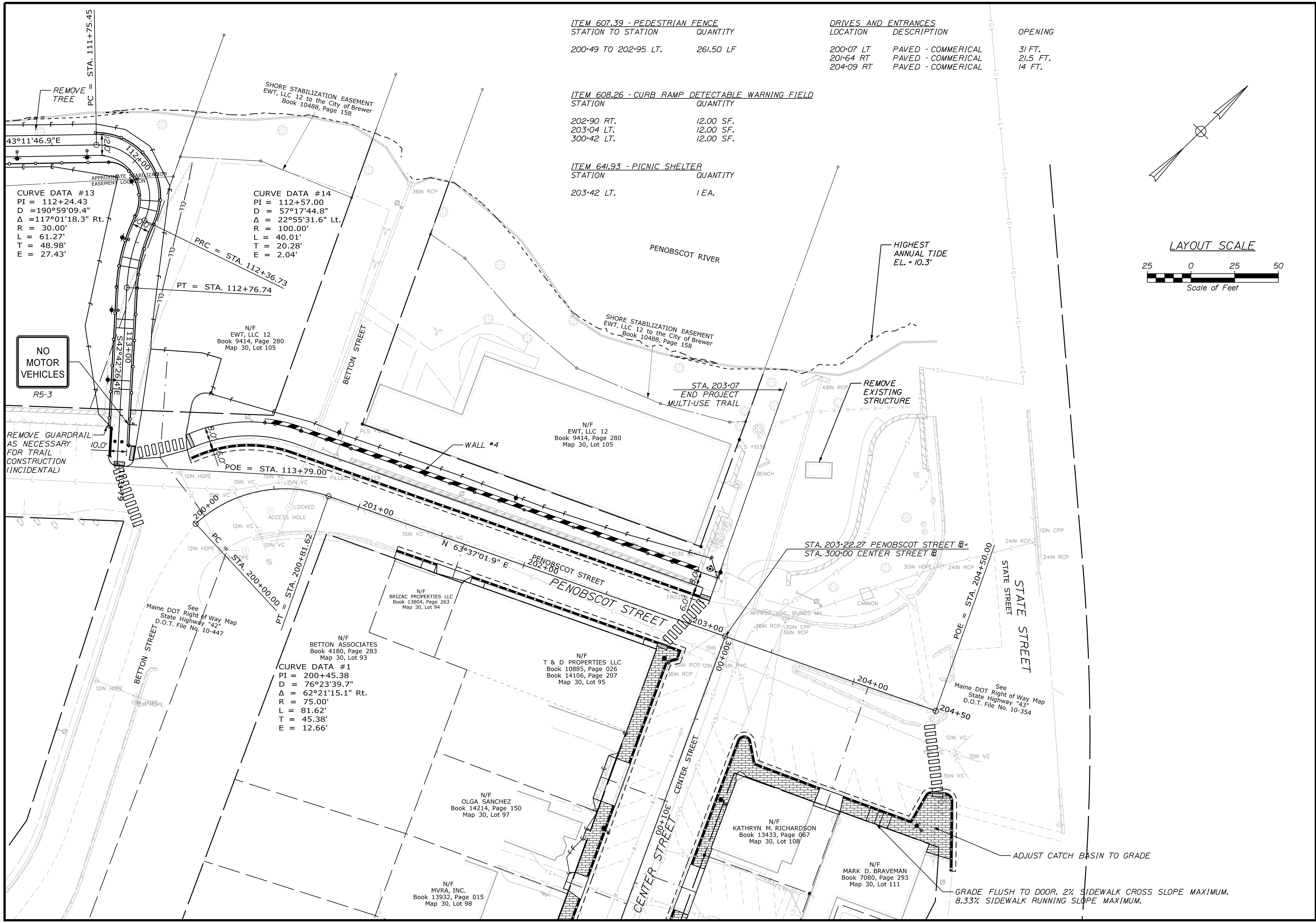
LOCATION	DESCRIPTION	OPENING
200+07 LT	PAVED - COMMERCIAL	31 FT.
201+64 RT	PAVED - COMMERCIAL	21.5 FT.
204+09 RT	PAVED - COMMERCIAL	14 FT.

ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD

STATION	QUANTITY
202+90 RT.	12.00 SF.
203+04 LT.	12.00 SF.
300+42 LT.	12.00 SF.

ITEM 641.93 - PICNIC SHELTER

STATION	QUANTITY
203+42 LT.	1 EA.



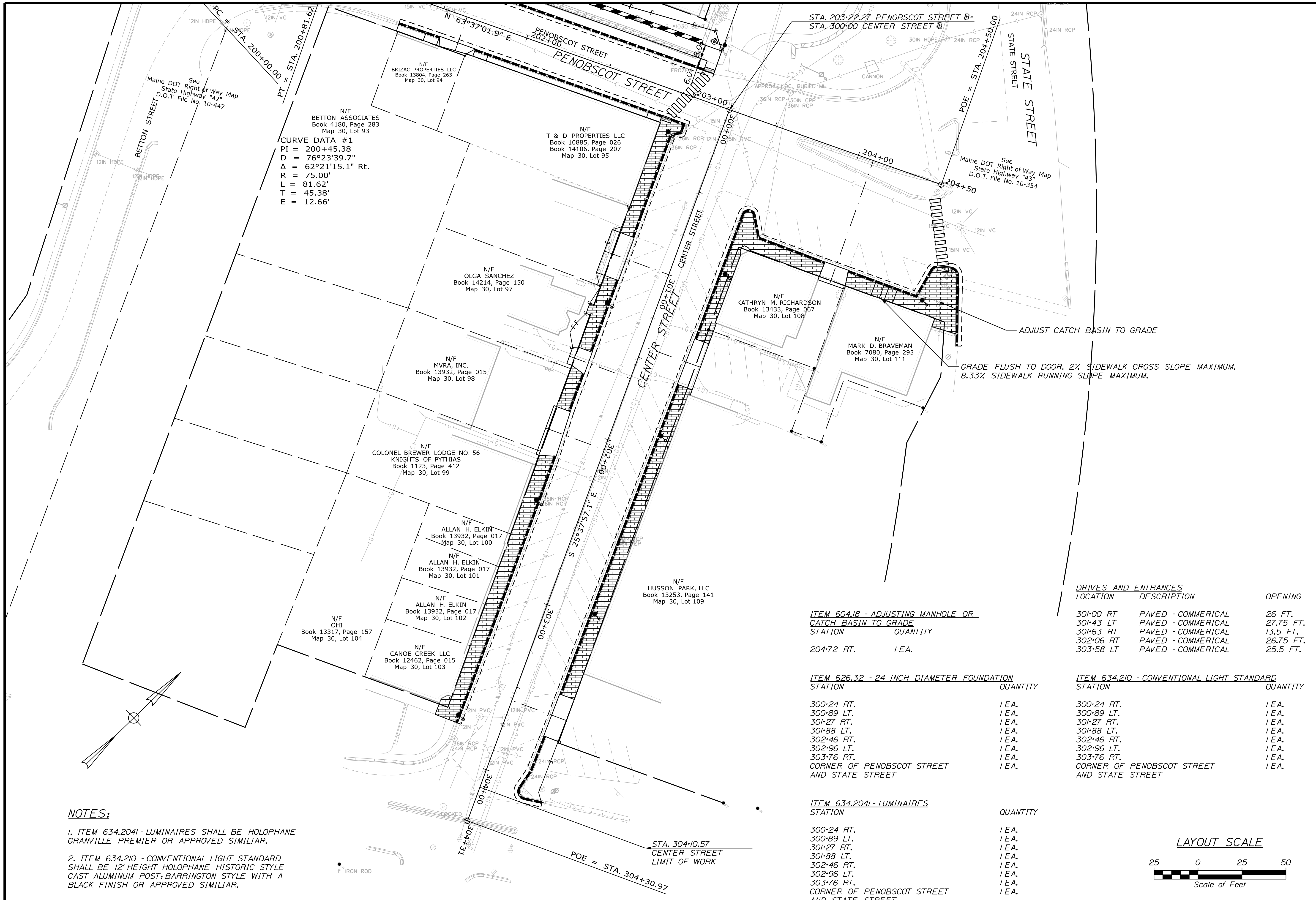
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		HPP-1885(800)		WIN 18858.00	HIGHWAY PLANS
BREWER BREWER RIVERWALK		PLAN		SHEET NUMBER <b>11</b> OF 42	
PROJ. MANAGER	CATHERINE RAND	DATE	3/2018	BY	T. WOLFEL
DESIGNED	T. WOLFEL	CHECKED	J. WERTWORTH	DATE	3/2018
DESIGNED	K. WOOD	DESIGNED		SIGNATURE	
DESIGNED		DESIGNED		P.E. NUMBER	
REVISIONS	1	REVISIONS		DATE	
REVISIONS	2	REVISIONS			
REVISIONS	3	REVISIONS			
REVISIONS	4	REVISIONS			
FIELD CHANGES					

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\012\_HDPlan4.dgn



**NOTES:**

- ITEM 634.204I - LUMINAIRES SHALL BE HOLOPHANE GRANVILLE PREMIER OR APPROVED SIMILIAR.
- ITEM 634.210 - CONVENTIONAL LIGHT STANDARD SHALL BE 12' HEIGHT HOLOPHANE HISTORIC STYLE CAST ALUMINUM POST; BARRINGTON STYLE WITH A BLACK FINISH OR APPROVED SIMILIAR.

STA. 203+22.27 PENOBSCOT STREET @  
STA. 300+00 CENTER STREET

STA. 304+10.57  
CENTER STREET  
LIMIT OF WORK

**ITEM 604.18 - ADJUSTING MANHOLE OR CATCH BASIN TO GRADE**

STATION	QUANTITY
204+72 RT.	1 EA.

**ITEM 626.32 - 24 INCH DIAMETER FOUNDATION**

STATION	QUANTITY
300+24 RT.	1 EA.
300+89 LT.	1 EA.
301+27 RT.	1 EA.
301+88 LT.	1 EA.
302+46 RT.	1 EA.
302+96 LT.	1 EA.
303+76 RT.	1 EA.
CORNER OF PENOBSCOT STREET AND STATE STREET	1 EA.

**ITEM 634.204I - LUMINAIRES**

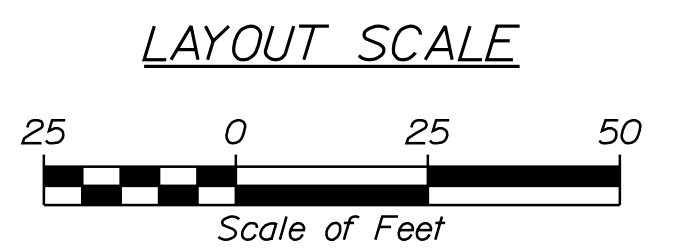
STATION	QUANTITY
300+24 RT.	1 EA.
300+89 LT.	1 EA.
301+27 RT.	1 EA.
301+88 LT.	1 EA.
302+46 RT.	1 EA.
302+96 LT.	1 EA.
303+76 RT.	1 EA.
CORNER OF PENOBSCOT STREET AND STATE STREET	1 EA.

**DRIVES AND ENTRANCES**

LOCATION	DESCRIPTION	OPENING
301+00 RT	PAVED - COMMERCIAL	26 FT.
301+43 LT	PAVED - COMMERCIAL	27.75 FT.
301+63 RT	PAVED - COMMERCIAL	13.5 FT.
302+06 RT	PAVED - COMMERCIAL	26.75 FT.
303+58 LT	PAVED - COMMERCIAL	25.5 FT.

**ITEM 634.210 - CONVENTIONAL LIGHT STANDARD**

STATION	QUANTITY
300+24 RT.	1 EA.
300+89 LT.	1 EA.
301+27 RT.	1 EA.
301+88 LT.	1 EA.
302+46 RT.	1 EA.
302+96 LT.	1 EA.
303+76 RT.	1 EA.
CORNER OF PENOBSCOT STREET AND STATE STREET	1 EA.



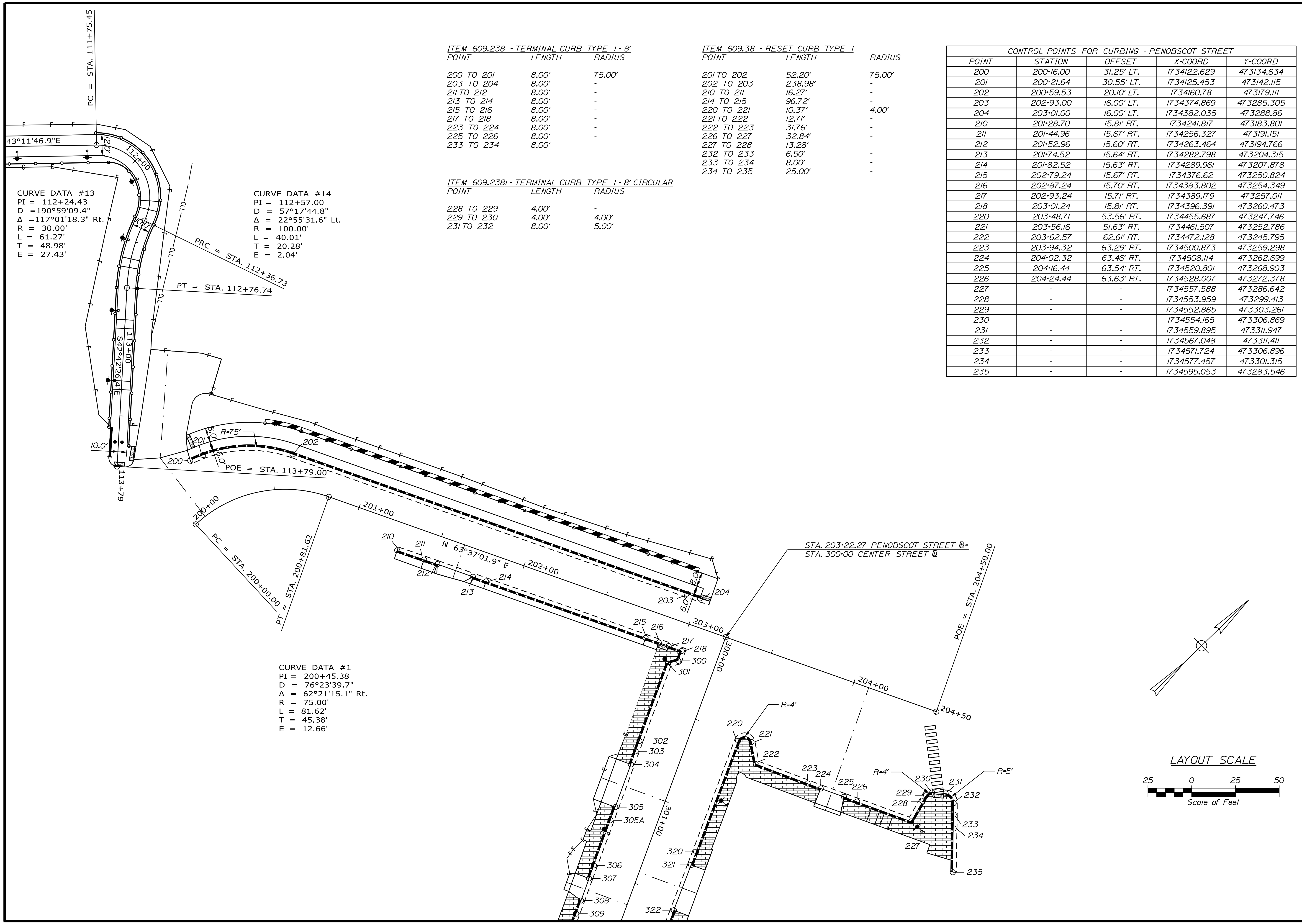
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		HPP-1885(800)	WIN 18858.00	HIGHWAY PLANS
BREWER BREWER RIVERWALK		PLAN		
SHEET NUMBER				
12				
OF 42				

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \MSTA\013\_Geometry\1.dgn



CURVE DATA #13  
 PI = 112+24.43  
 D = 190°59'09.4"  
 Δ = 117°01'18.3" Rt.  
 R = 30.00'  
 L = 61.27'  
 T = 48.98'  
 E = 27.43'

CURVE DATA #14  
 PI = 112+57.00  
 D = 57°17'44.8"  
 Δ = 22°55'31.6" Lt.  
 R = 100.00'  
 L = 40.01'  
 T = 20.28'  
 E = 2.04'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8'

POINT	LENGTH	RADIUS
200 TO 201	8.00'	75.00'
203 TO 204	8.00'	-
211 TO 212	8.00'	-
213 TO 214	8.00'	-
215 TO 216	8.00'	-
217 TO 218	8.00'	-
223 TO 224	8.00'	-
225 TO 226	8.00'	-
233 TO 234	8.00'	-

ITEM 609.2381 - TERMINAL CURB TYPE 1 - 8' CIRCULAR

POINT	LENGTH	RADIUS
228 TO 229	4.00'	-
229 TO 230	4.00'	4.00'
231 TO 232	8.00'	5.00'

ITEM 609.38 - RESET CURB TYPE 1

POINT	LENGTH	RADIUS
201 TO 202	52.20'	75.00'
202 TO 203	238.98'	-
210 TO 211	16.27'	-
214 TO 215	96.72'	-
220 TO 221	10.37'	4.00'
221 TO 222	12.71'	-
222 TO 223	31.76'	-
226 TO 227	32.84'	-
227 TO 228	13.28'	-
232 TO 233	6.50'	-
233 TO 234	8.00'	-
234 TO 235	25.00'	-

CONTROL POINTS FOR CURBING - PENOBSCOT STREET

POINT	STATION	OFFSET	X-COORD	Y-COORD
200	200+16.00	31.25' LT.	1734122.629	473134.634
201	200+21.64	30.55' LT.	1734125.453	473142.115
202	200+59.53	20.10' LT.	1734160.78	473179.111
203	202+93.00	16.00' LT.	1734374.869	473285.305
204	203+01.00	16.00' LT.	1734382.035	473288.886
210	201+28.70	15.81' RT.	1734241.817	473183.801
211	201+44.96	15.67' RT.	1734256.327	473191.151
212	201+52.96	15.60' RT.	1734263.464	473194.766
213	201+74.52	15.64' RT.	1734282.798	473204.315
214	201+82.52	15.63' RT.	1734289.961	473207.878
215	202+79.24	15.67' RT.	1734376.62	473250.824
216	202+87.24	15.70' RT.	1734383.802	473254.349
217	202+93.24	15.71' RT.	1734389.179	473257.011
218	203+01.24	15.81' RT.	1734396.391	473260.473
220	203+48.71	53.56' RT.	1734455.687	473247.746
221	203+56.16	51.63' RT.	1734461.507	473252.786
222	203+62.57	62.61' RT.	1734472.128	473245.795
223	203+94.32	63.29' RT.	1734500.873	473259.298
224	204+02.32	63.46' RT.	1734508.114	473262.699
225	204+16.44	63.54' RT.	1734520.801	473268.903
226	204+24.44	63.63' RT.	1734528.007	473272.378
227	-	-	1734557.588	473286.642
228	-	-	1734553.959	473299.413
229	-	-	1734552.865	473303.261
230	-	-	1734554.165	473306.869
231	-	-	1734559.895	473311.947
232	-	-	1734567.048	473311.411
233	-	-	1734571.724	473306.896
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CURVE DATA #1  
 PI = 200+45.38  
 D = 76°23'39.7"  
 Δ = 62°21'15.1" Rt.  
 R = 75.00'  
 L = 81.62'  
 T = 45.38'  
 E = 12.66'

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 HPP-1885(800)  
 WIN  
 18858.00  
 HIGHWAY PLANS

PROJ. MGR.	CATHERINE RAND	DATE	3/2018
CHECKED	T. WOLFEL	BY	T. WOLFEL
REVIEWED	K. WOOD		J. WELWORTH
DESIGNED			
DETAILS			
REVISIONS			
1			
2			
3			
4			
FIELD CHANGES			

BREWER RIVERWALK  
 BREWER RIVERWALK  
 GEOMETRICS AND  
 CURB LAYOUT

SHEET NUMBER  
 13  
 OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \MSTA014\_Geometry2.dgn

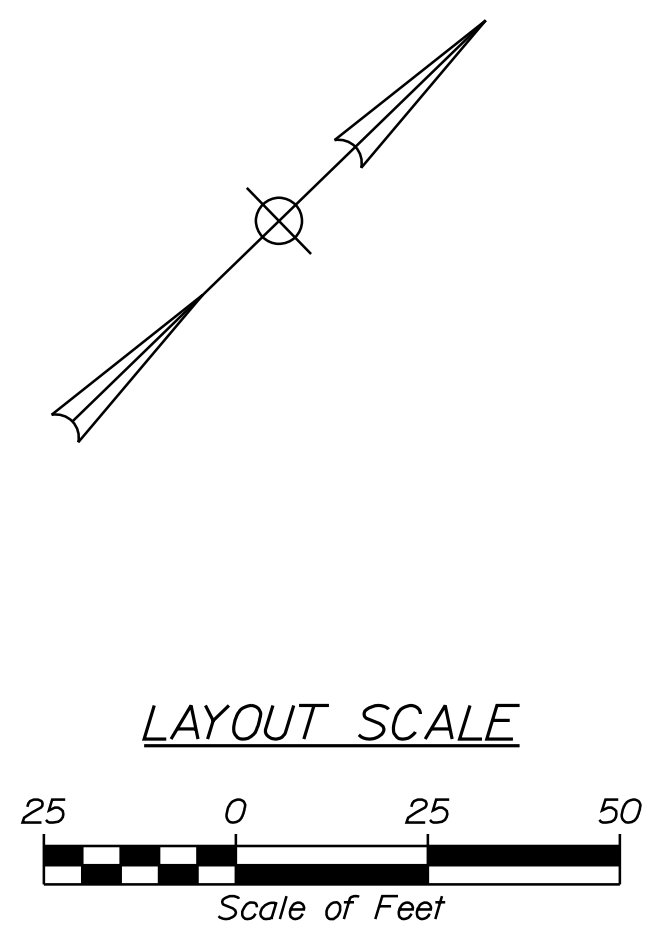
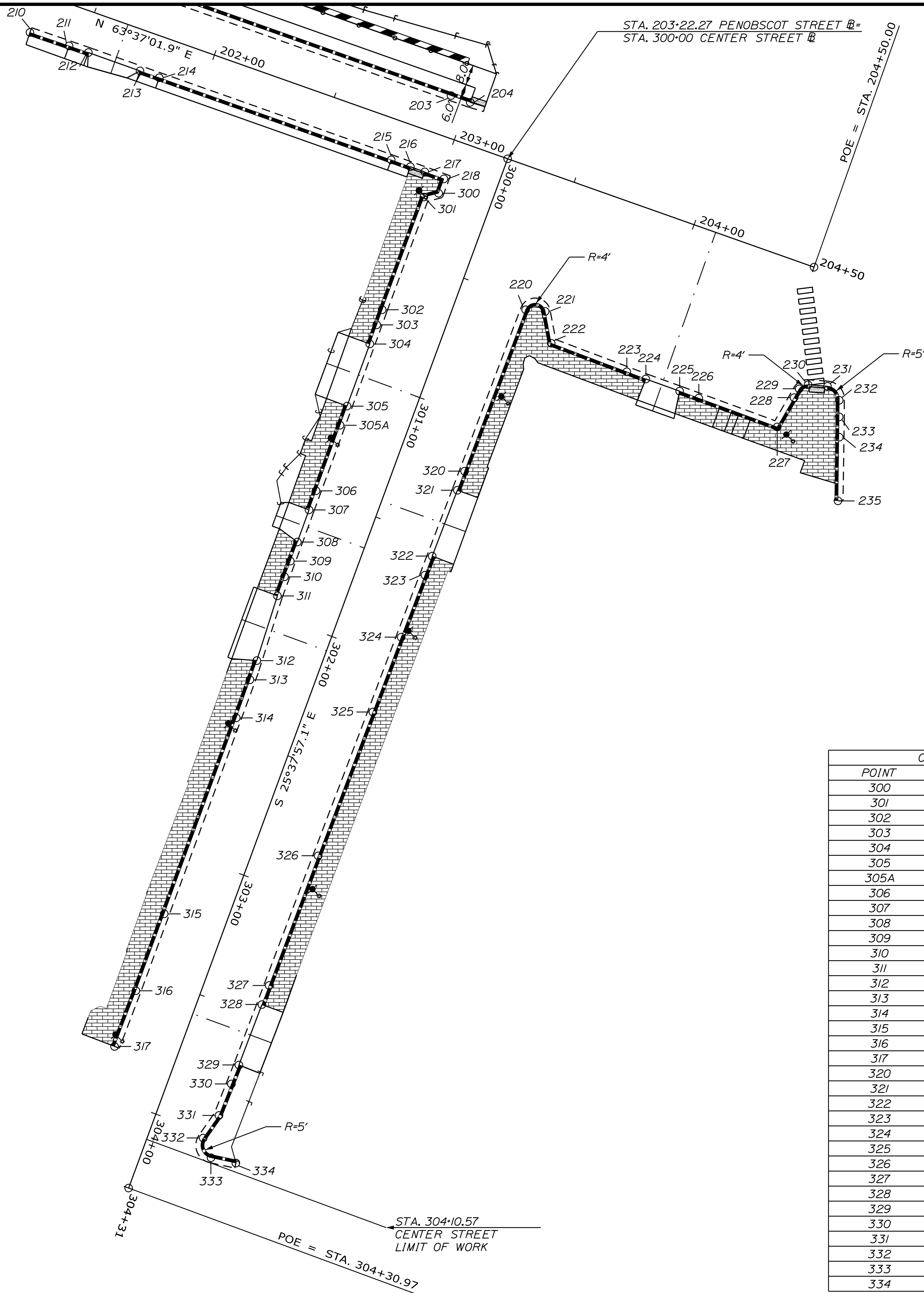
CURVE DATA #1  
 PI = 200+45.38  
 D = 76°23'39.7"  
 Δ = 62°21'15.1" Rt.  
 R = 75.00'  
 L = 81.62'  
 T = 45.38'  
 E = 12.66'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8'

POINT	LENGTH	RADIUS
303 TO 304	8.00'	-
305 TO 305A	8.00'	-
306 TO 307	8.00'	-
308 TO 309	8.00'	-
310 TO 311	8.00'	-
312 TO 313	8.00'	-
320 TO 321	8.00'	-
322 TO 323	8.00'	-
327 TO 328	8.00'	-
329 TO 330	8.00'	-

ITEM 609.38 - RESET CURB TYPE 1

POINT	LENGTH	RADIUS
218 TO 300	6.00'	-
300 TO 301	6.00'	-
301 TO 302	47.18'	-
302 TO 303	6.31'	-
305A TO 306	27.44'	-
309 TO 310	6.57'	-
313 TO 314	15.91'	-
314 TO 315	82.04'	-
315 TO 316	32.17'	-
316 TO 317	23.45'	-
220 TO 320	67.83'	-
323 TO 324	26.09'	-
324 TO 325	31.44'	-
325 TO 326	60.45'	-
326 TO 327	54.49'	-
330 TO 331	13.31'	-
331 TO 332	10.81'	-
332 TO 333	9.85'	5.00'
333 TO 334	10.00'	-



CONTROL POINTS FOR CURBING - PENOBSCOT STREET

POINT	STATION	OFFSET	X-COORD	Y-COORD
300	300+22.08	20.81' RT.	1734399.002	473255.071
301	300+25.51	25.73' RT.	1734396.043	473249.851
302	300+72.69	25.79' RT.	1734416.399	473207.291
303	300+79.00	25.75' RT.	1734419.164	473201.616
304	300+87.00	25.71' RT.	1734422.664	473194.422
305	301+13.00	25.66' RT.	1734433.951	473171.000
305A	301+21.00	25.65' RT.	1734437.424	473163.793
306	301+48.44	25.60' RT.	1734449.336	473139.073
307	301+56.44	25.59' RT.	1734452.809	473131.866
308	301+69.85	25.52' RT.	1734458.68	473119.805
309	301+77.85	25.53' RT.	1734462.127	473112.586
310	301+84.42	25.54' RT.	1734464.955	473106.66
311	301+92.42	25.56' RT.	1734468.401	473099.441
312	302+19.09	24.37' RT.	1734481.012	473075.909
313	302+27.09	24.30' RT.	1734484.533	473068.725
314	302+43.00	24.17' RT.	1734491.536	473054.438
315	303+25.04	24.15' RT.	1734527.047	472980.48
316	303+57.22	24.14' RT.	1734540.972	472951.475
317	303+80.67	24.44' RT.	1734550.845	472930.203
320	301+21.03	26.55' LT.	1734484.498	473186.344
321	301+29.03	26.48' LT.	1734487.897	473179.102
322	301+56.75	26.14' LT.	1734499.578	473153.966
323	301+64.75	26.04' LT.	1734502.949	473146.711
324	301+90.84	25.71' LT.	1734513.942	473123.049
325	302+22.27	25.45' LT.	1734527.309	473094.593
326	302+82.72	24.78' LT.	1734552.849	473039.807
327	303+37.20	24.31' LT.	1734575.995	472990.479
328	303+45.20	24.24' LT.	1734579.393	472983.237
329	303+70.63	23.97' LT.	1734590.148	472960.199
330	303+78.62	23.77' LT.	1734593.431	472952.904
331	303+91.93	23.45' LT.	1734598.896	472940.764
332	304+02.39	20.71' LT.	1734600.946	472930.154
333	304+08.60	26.25' LT.	1734608.635	472926.947
334	304+07.18	36.15' LT.	1734616.947	472932.508

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 HPP-1885(800)  
 WIN  
 18858.00  
 HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND  
 DESIGN-DETAILED T. WOLFEL  
 CHECKED-REVIEWED K. WOOD  
 DESIGNED-DRAWN J. WEAVER  
 DESIGNED-DRAWN J. WEAVER  
 REVISIONS 1  
 REVISIONS 2  
 REVISIONS 3  
 REVISIONS 4  
 FIELD CHANGES

DATE 3/2018  
 DATE 3/2018

BY T. WOLFEL  
 J. WEAVER

SIGNATURE  
 P.E. NUMBER  
 DATE

BREWER  
 BREWER RIVERWALK  
 GEOMETRICS AND  
 CURB LAYOUT

SHEET NUMBER  
 14  
 OF 42

Date: 4/2/2018

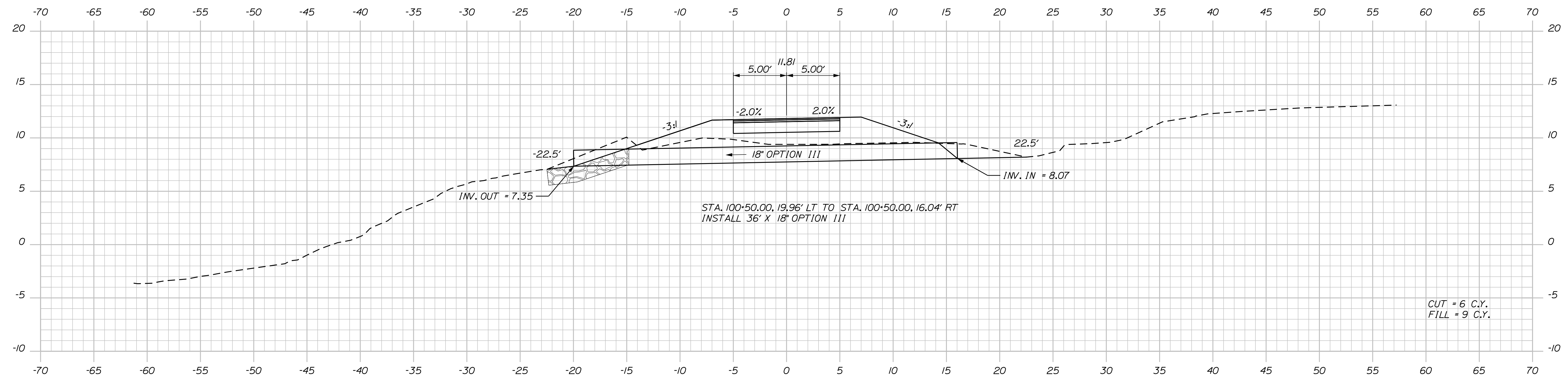
Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn

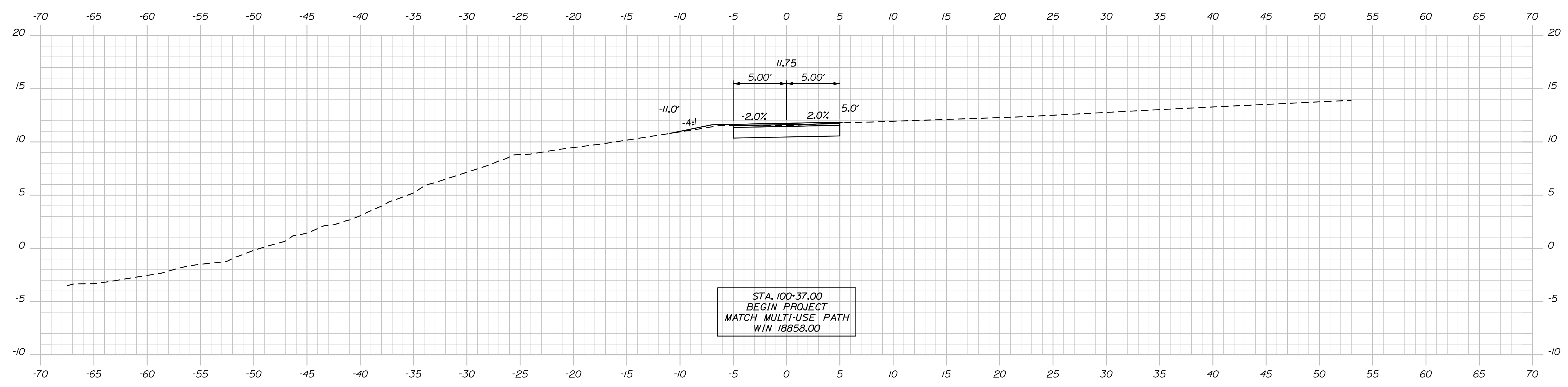
STA. 100+66 TO STA. 101+17, LT  
INSTALL 52.50' OF 4 FT. CHAIN LINK FENCE

STA. 100+87 TO STA. 101+17, RT  
INSTALL 33' OF 4 FT. CHAIN LINK FENCE



STA. 100+44.78 TO STA. 100+62.74, LT  
INSTALL PLAIN RIPRAP

100+50.00



STA. 100+37.00  
BEGIN PROJECT  
MATCH MULTI-USE PATH  
WIN 18858.00

100+37.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN 18858.00  
HIGHWAY PLANS

DATE	SIGNATURE
3/2018	
BY	P.E. NUMBER
T. WOLFEL	
J. WENTWORTH	DATE

PROJ. MANAGER	CATHERINE RAND
DESIGN DETAILED	T. WOLFEL
CHECKED/REVIEWED	K. WOOD
DESIGN DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

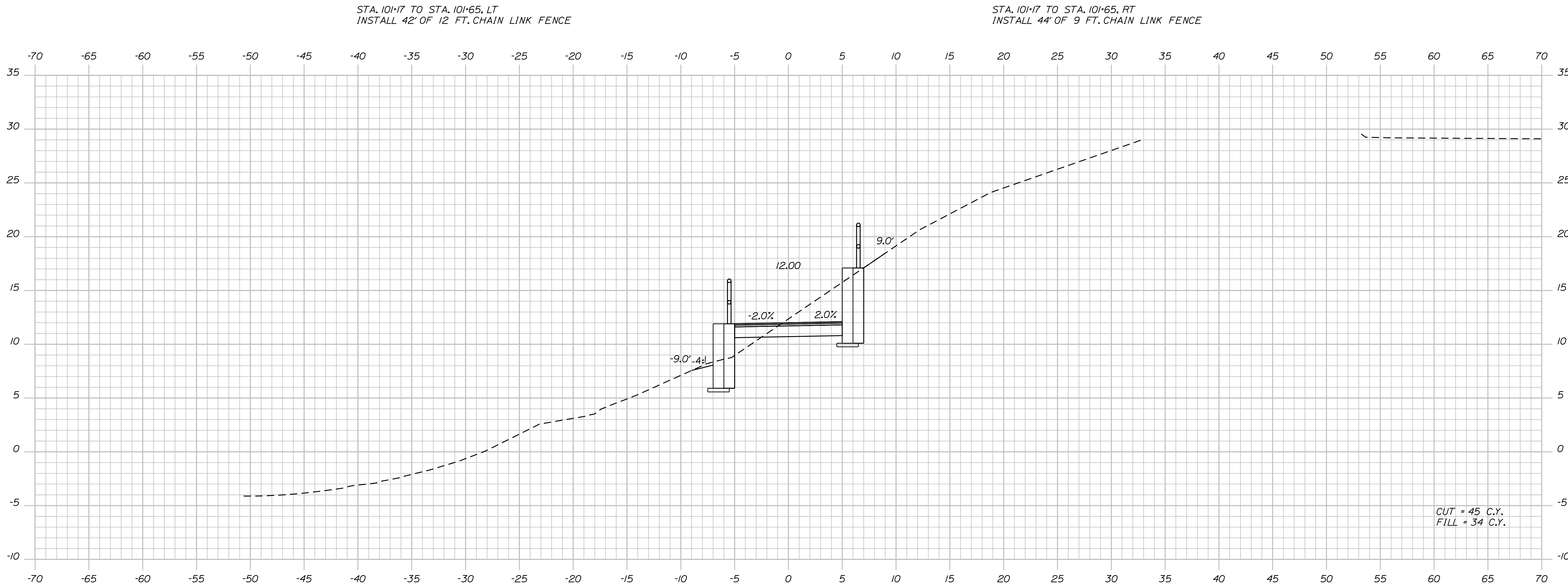
SHEET NUMBER  
**15**  
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



101+00.00

Sta. 101+00.00 to Sta. 101+00.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

HPP-1885(800)

WIN  
18858.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

BY

T. WOLFEL  
J. WENTWORTH

3/2018  
3/2018

PROJ. MANAGER CATHERINE RAND

DESIGN/DETAILED T. WOLFEL

CHECKED/REVIEWED K. WOOD

DESIGN/DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BREWER  
BREWER RIVERWALK

CROSS SECTIONS

SHEET NUMBER

16

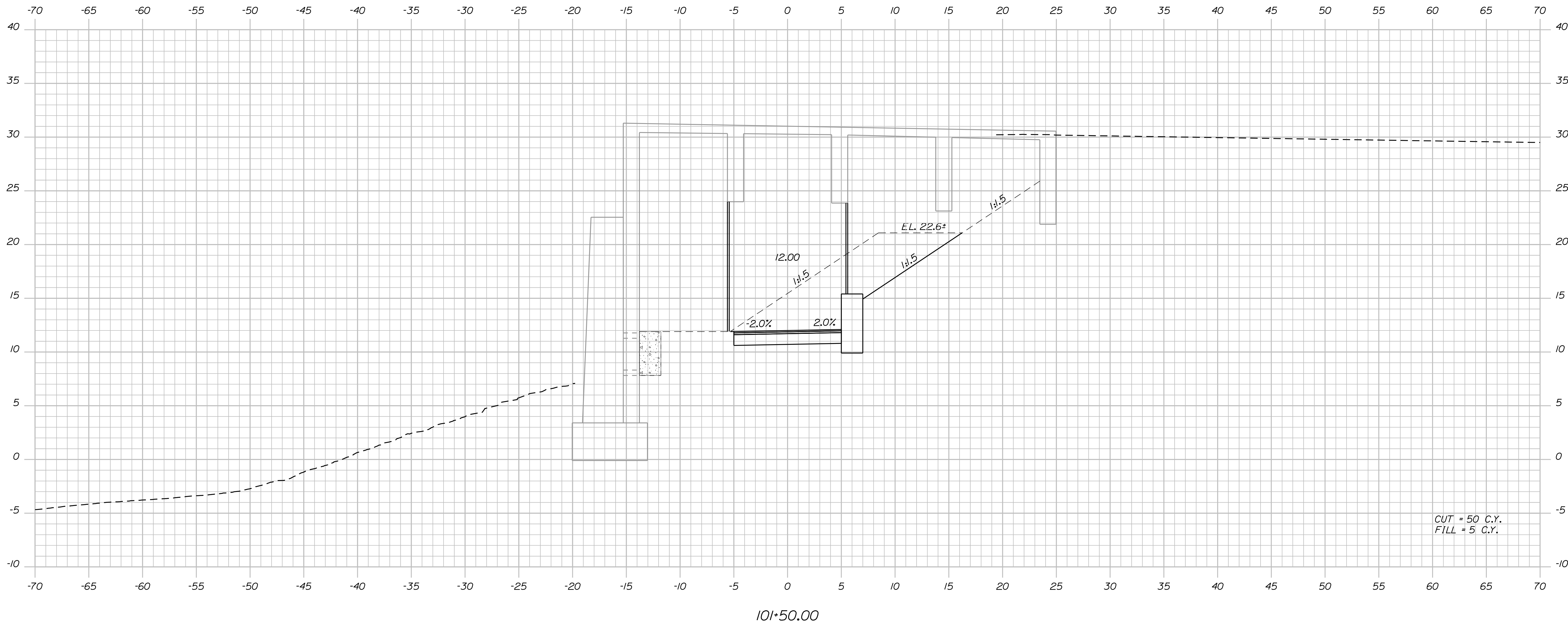
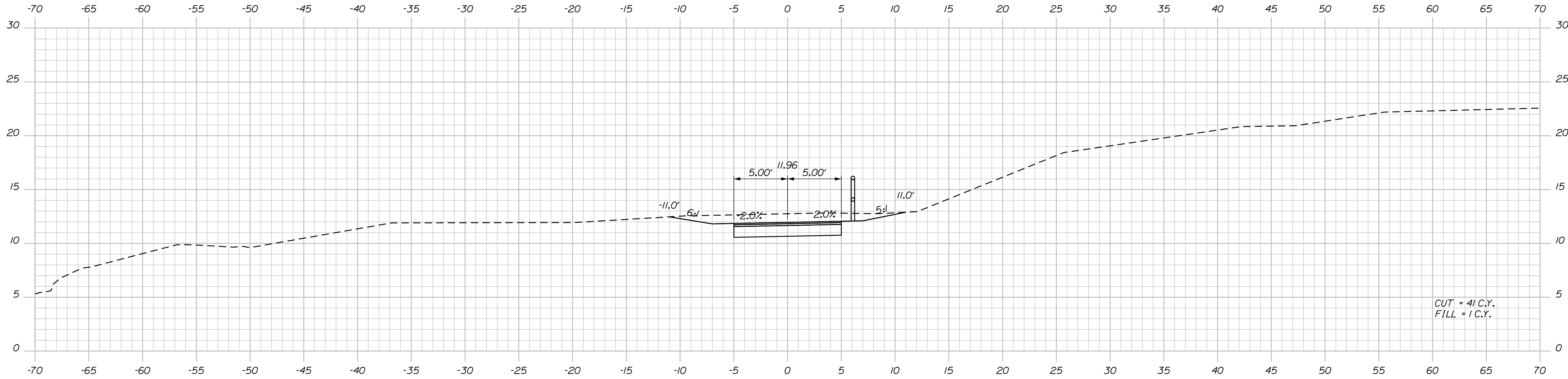
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE: 3/2018  
BY: T. WOLFEL, J. WENTWORTH  
PROJ. MANAGER: CATHERINE RAND  
DESIGNED: T. WOLFEL  
CHECKED: K. WOOD  
DESIGNED: T. WOLFEL  
REVISIONS: 1, 2, 3, 4  
FIELD CHANGES

SIGNATURE  
P.E. NUMBER  
DATE

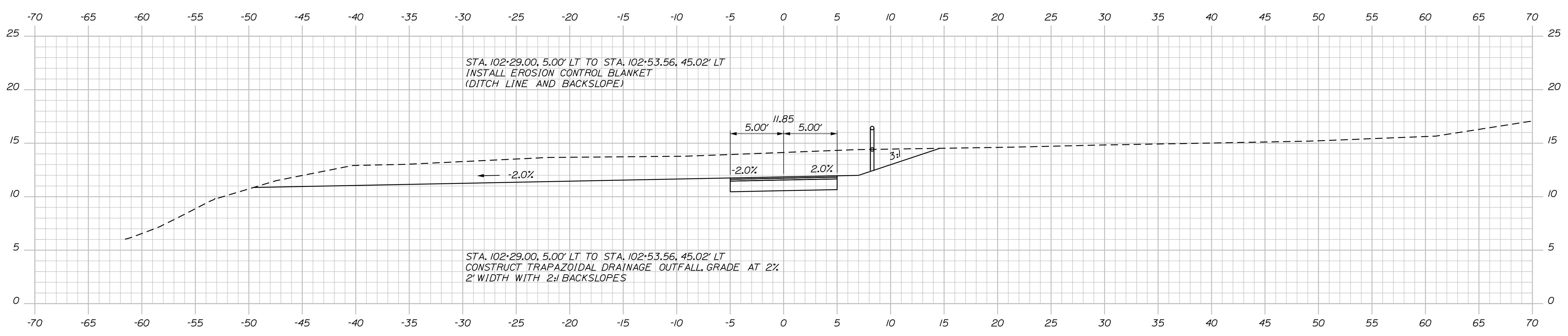
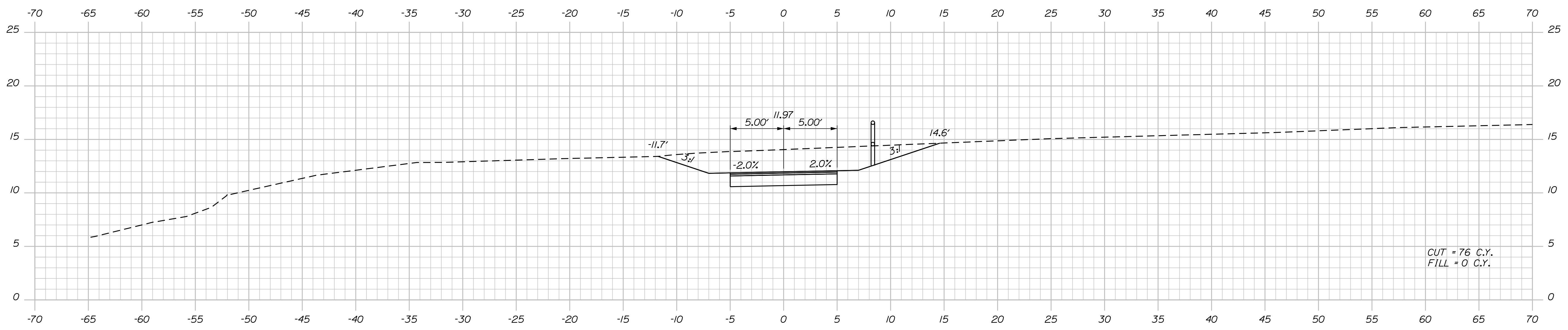
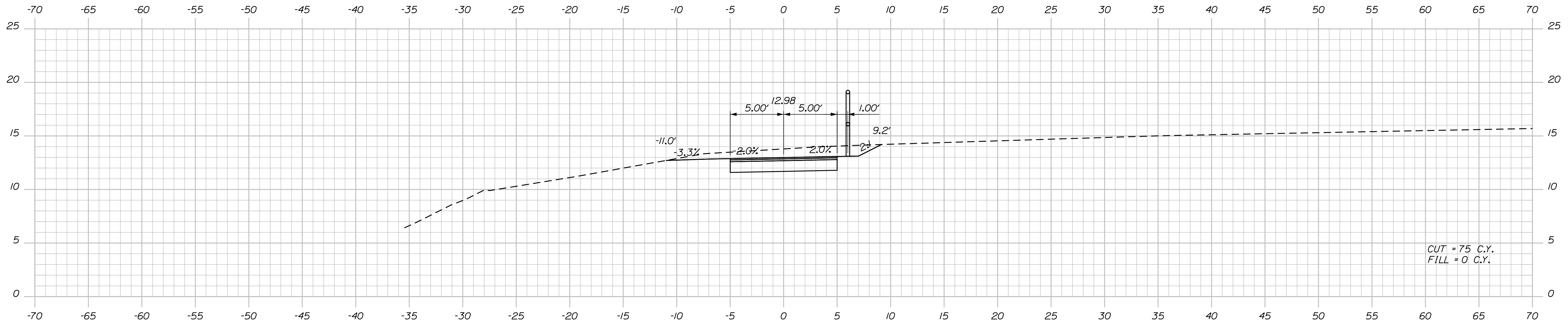
BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
17  
OF 42

Date: 4/2/2018

Username: Division: HIGHWAY

Filename: ... \multimode\WSTA\sect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE	SIGNATURE
3/2018	
BY	P.E. NUMBER
T. WOLFEL	
J. WENTWORTH	
DATE	

PROJ. MANAGER	CATHERINE RAND
DESIGN-DETAILED	T. WOLFEL
CHECKED-REVIEWED	K. WOOD
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

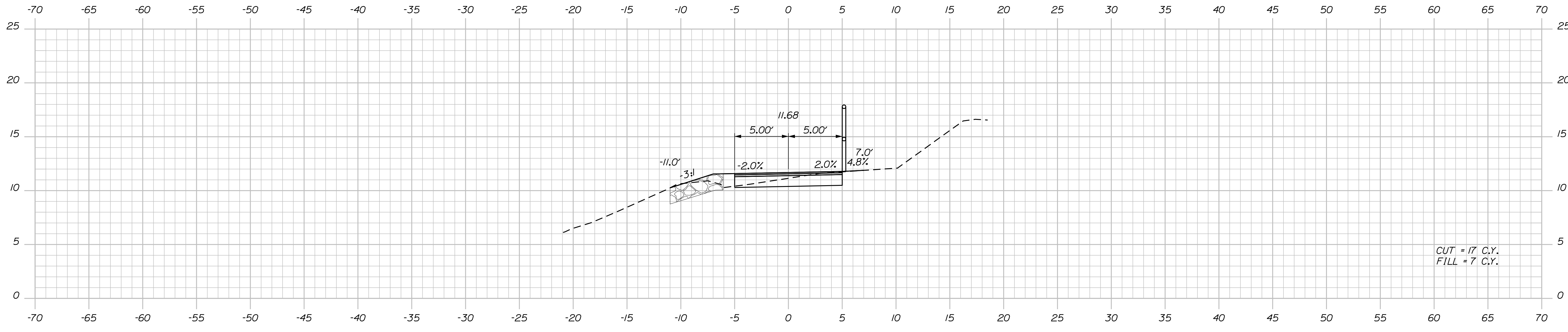
BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**18**  
OF 42

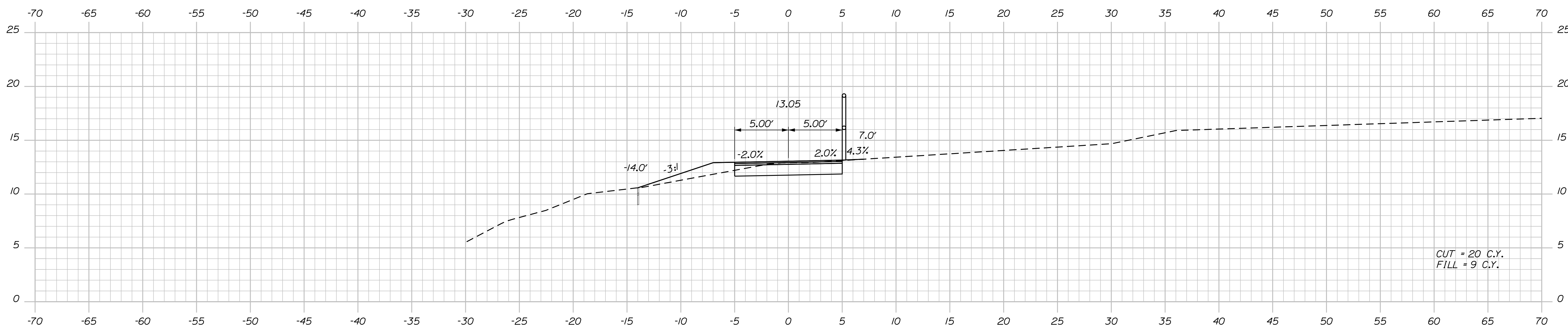
Date: 4/2/2018

Username: Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn

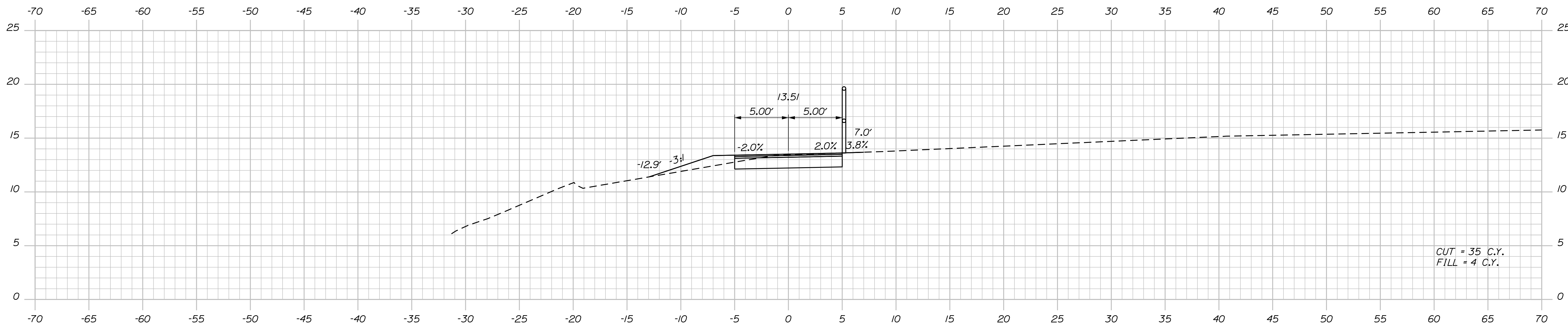


104+50.00



STA. 103+95.92 TO STA. 105+70.46, LT  
INSTALL PLAIN RIPRAP

104+00.00



103+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	DATE	3/2/2018
DESIGN-DETAILED	T. WOLFEL	BY	T. WOLFEL
CHECKED-REVIEWED	K. WOOD		J. WENTWORTH
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

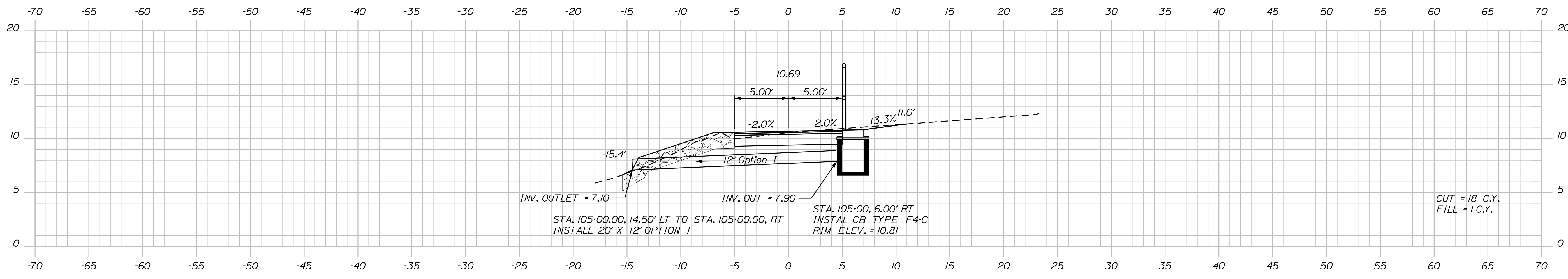
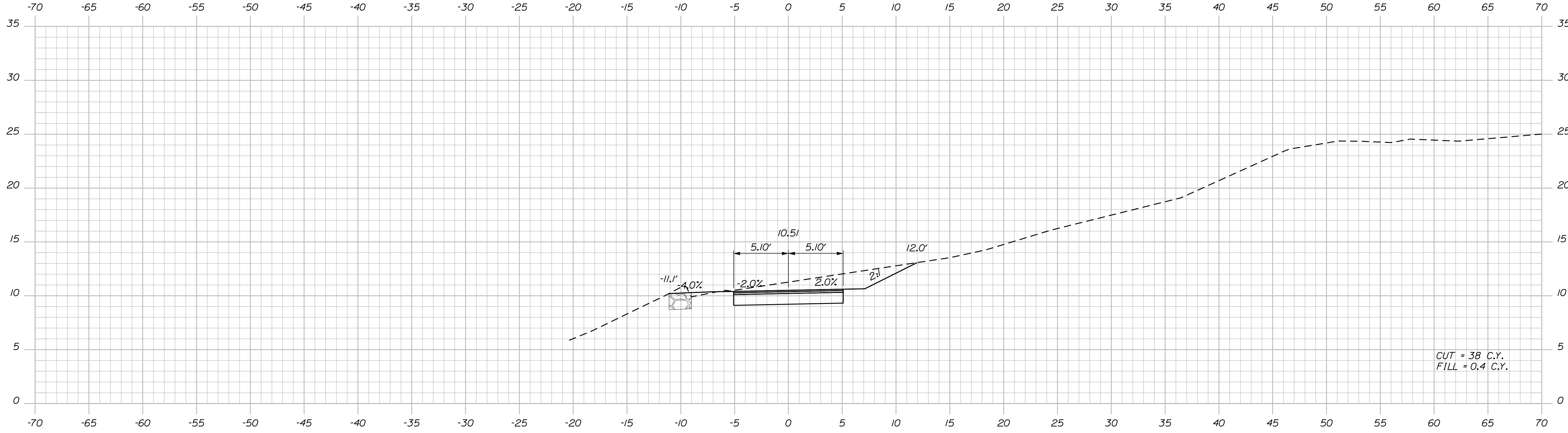
SHEET NUMBER  
**19**  
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DESIGNED BY: T. WOLFEL  
CHECKED BY: K. WOOD  
DESIGNED DATE: 3/2018  
CHECKED DATE: 3/2018

SIGNATURE: \_\_\_\_\_  
P.E. NUMBER: \_\_\_\_\_  
DATE: \_\_\_\_\_

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGN DETAILED	T. WOLFEL	BY	T. WOLFEL
CHECKED/REVIEWED	K. WOOD	BY	J. WENTWORTH
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

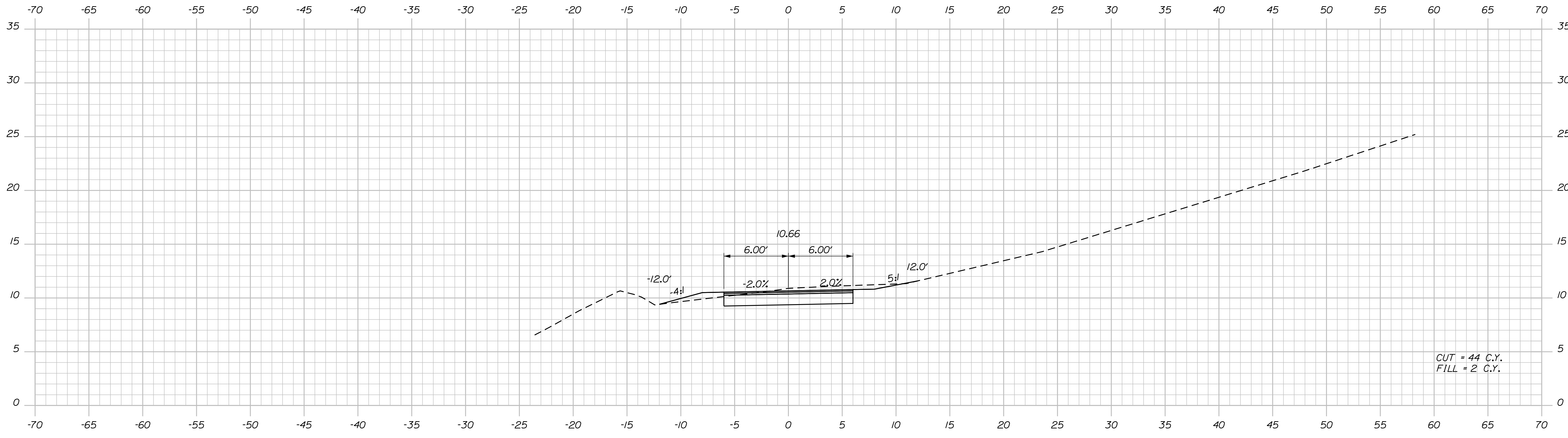
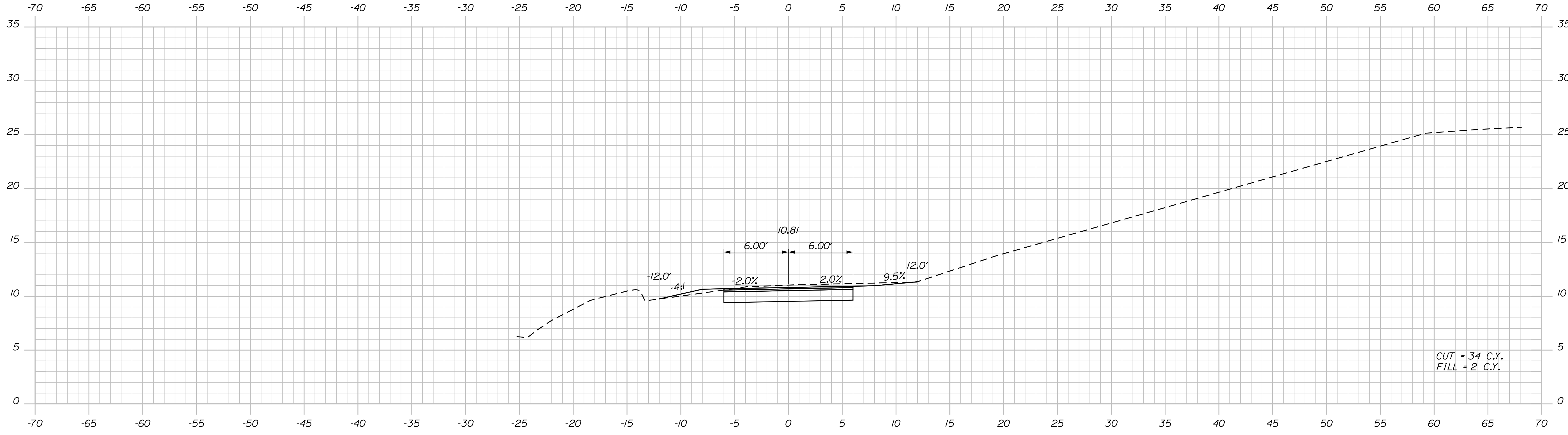
SHEET NUMBER  
**20**  
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

HPP-1885(800)

WIN  
18858.00  
HIGHWAY PLANS

DATE  
3/2/18

BY  
T. WOLFEL  
J. WENTWORTH

PROJ. MANAGER CATHERINE RAND  
DESIGN-DETAILED T. WOLFEL  
CHECKED-REVIEWED K. WOOD  
DESIGN-DETAILED  
REVISIONS 1  
REVISIONS 2  
REVISIONS 3  
REVISIONS 4  
FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

BREWER  
BREWER RIVERWALK

CROSS SECTIONS

SHEET NUMBER

21

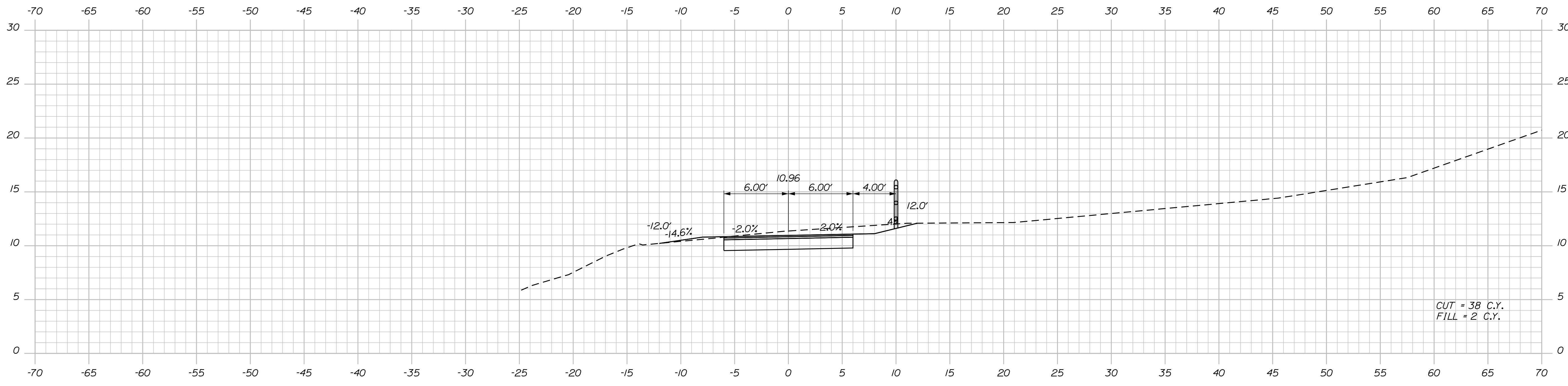
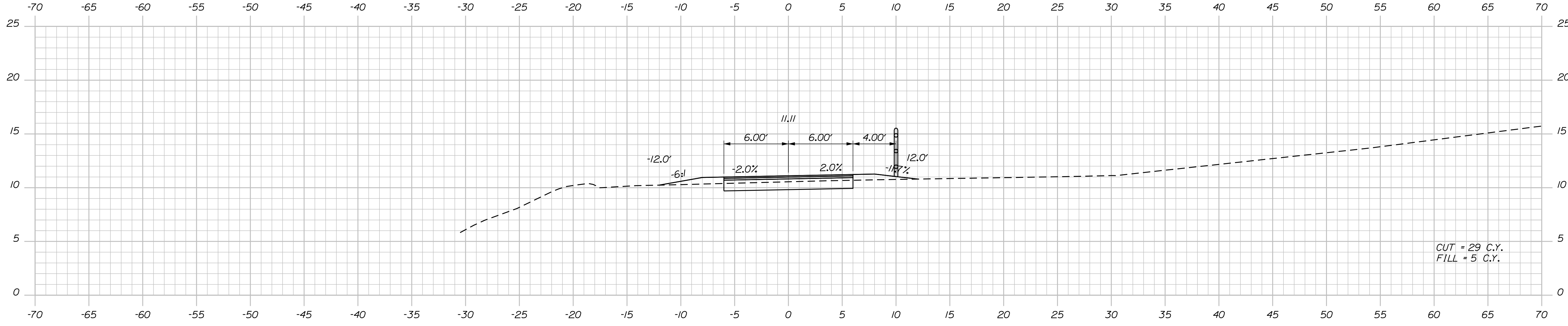
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\sect.dgn



STA. 106+91.82 TO STA. 113+56.50, RT  
INSTALL 664.50' OF CEDAR RAIL FENCE

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DESIGNED BY: T. WOLFEL  
CHECKED BY: K. WOOD  
DESIGNED DATE: 3/2018  
CHECKED DATE: 3/2018

PROJ. MGR.	DATE	BY	REVISION
CATHERINE RAND	3/2018	T. WOLFEL	DESIGN DETAILED
		J. WENTWORTH	REVISIONS 1
			REVISIONS 2
			REVISIONS 3
			REVISIONS 4
			FIELD CHANGES

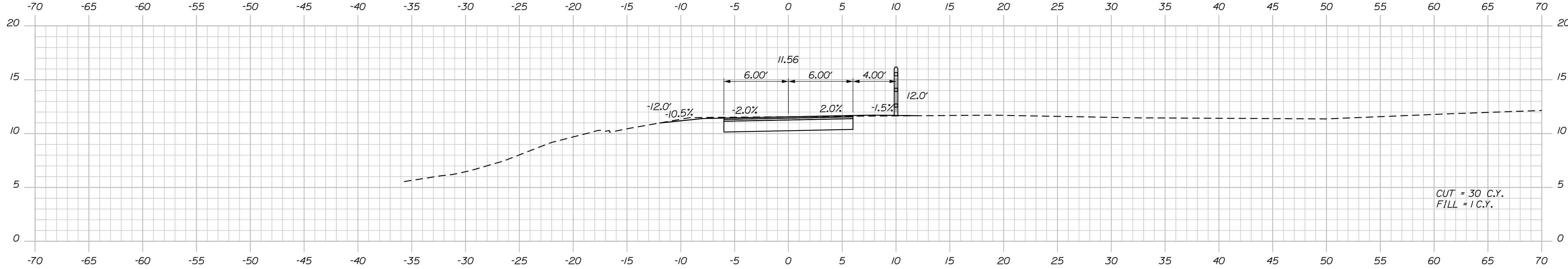
BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**22**  
OF 42

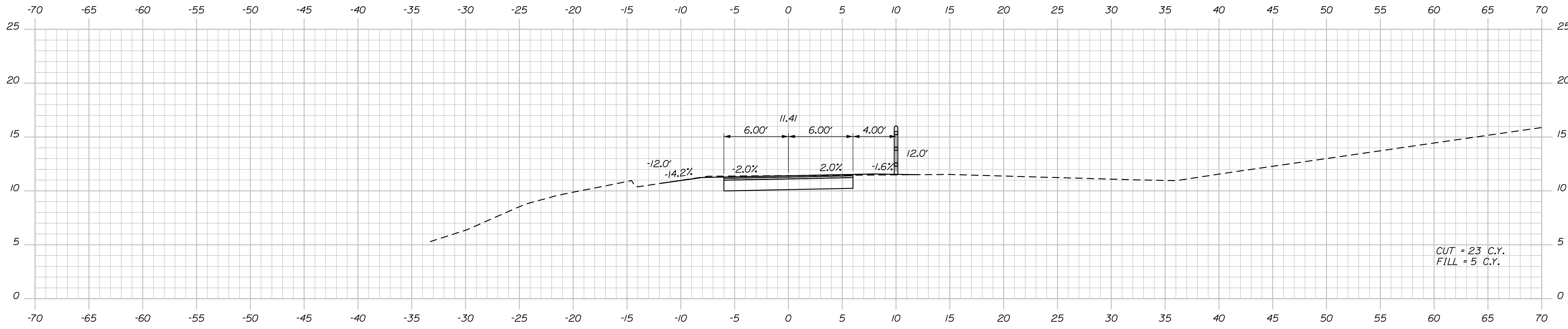
Date: 4/2/2018

Username: Division: HIGHWAY

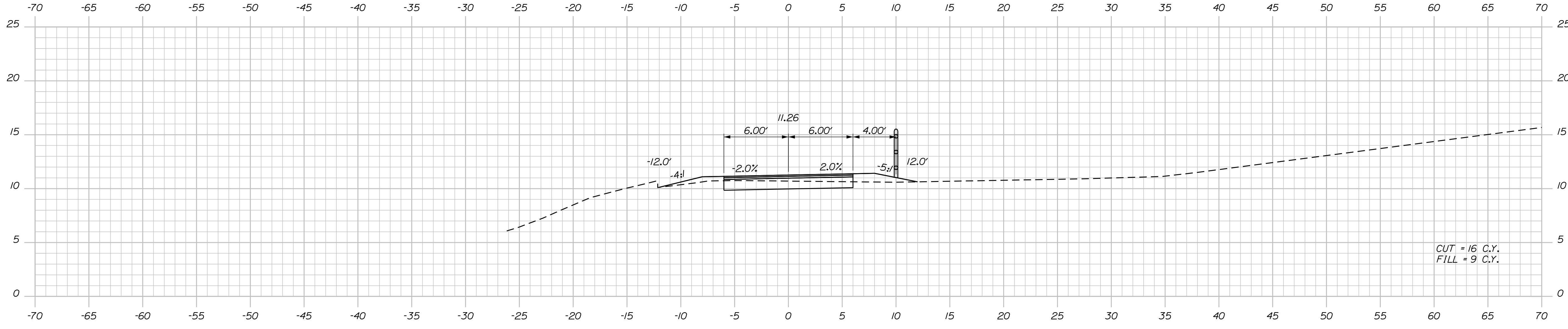
Filename: ... \multimode\WSTA\sect.dgn



109+00.00



108+50.00



108+00.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DESIGNED BY: T. WOLFEL  
CHECKED BY: K. WOOD  
DESIGNED DATE: 3/2018  
CHECKED DATE: 3/2018

PROJ. MANAGER: CATHERINE RAND  
BY: T. WOLFEL, J. WENTWORTH  
DESIGNED: T. WOLFEL  
CHECKED: K. WOOD  
DESIGNED DATE: 3/2018  
CHECKED DATE: 3/2018

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**23**  
OF 42

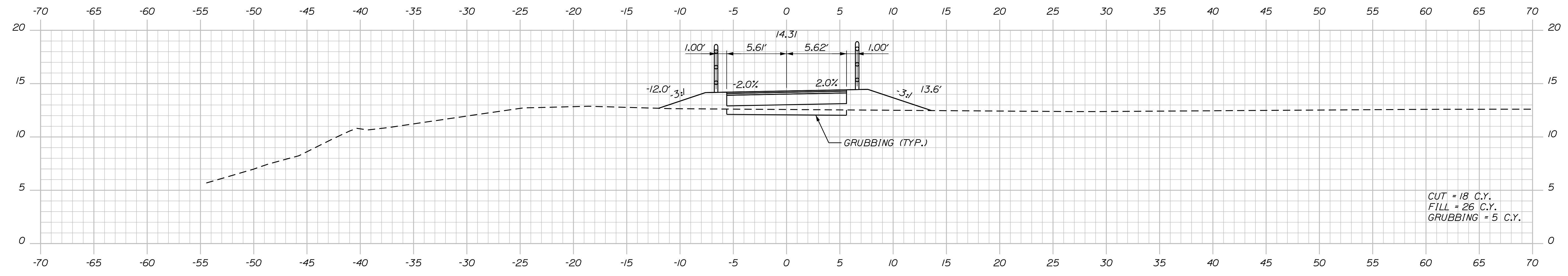


Date: 4/2/2018

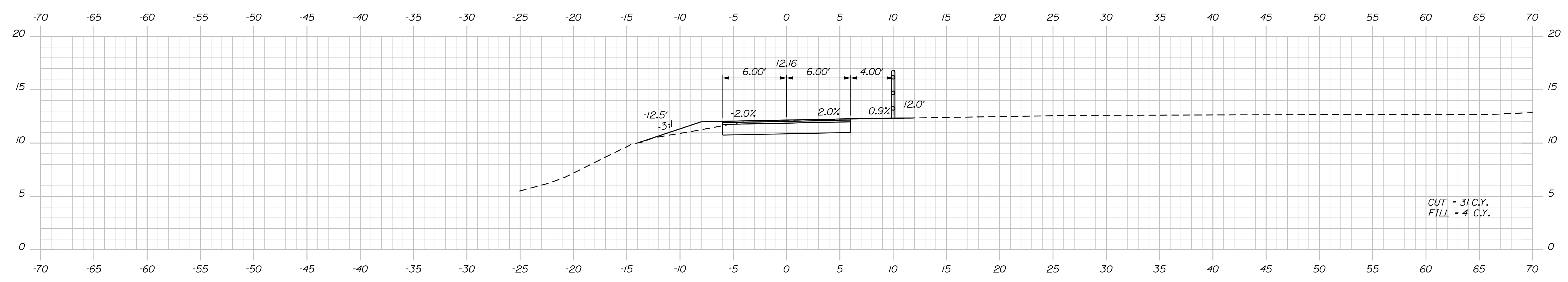
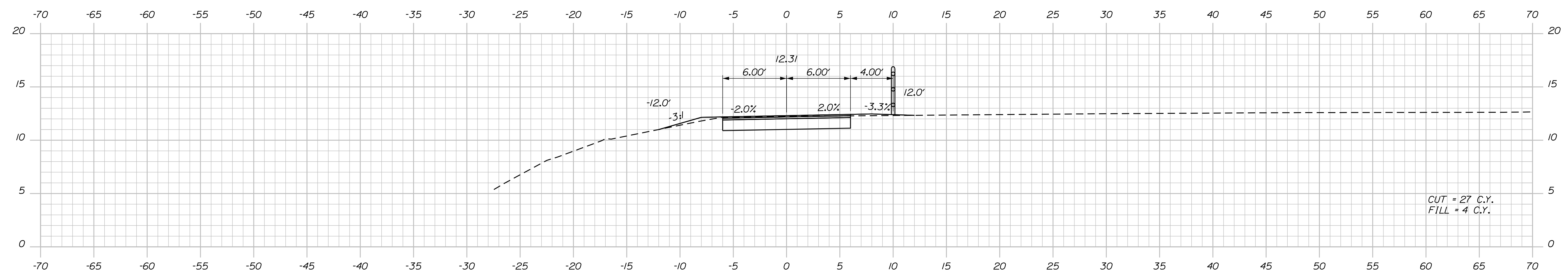
Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STA. 111+75.45 TO STA. 113+67, LT  
INSTALL 191.50' OF CEDAR RAIL FENCE



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE: 3/2018  
BY: T. WOLFE, J. WENTWORTH  
SIGNATURE: \_\_\_\_\_  
P.E. NUMBER: \_\_\_\_\_  
DATE: \_\_\_\_\_

PROJ. MANAGER: CATHERINE RAND  
DESIGN: T. WOLFE  
CHECKED: K. WOOD  
DESIGN DETAILED: \_\_\_\_\_  
REVISIONS: 1, 2, 3, 4  
FIELD CHANGES: \_\_\_\_\_

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

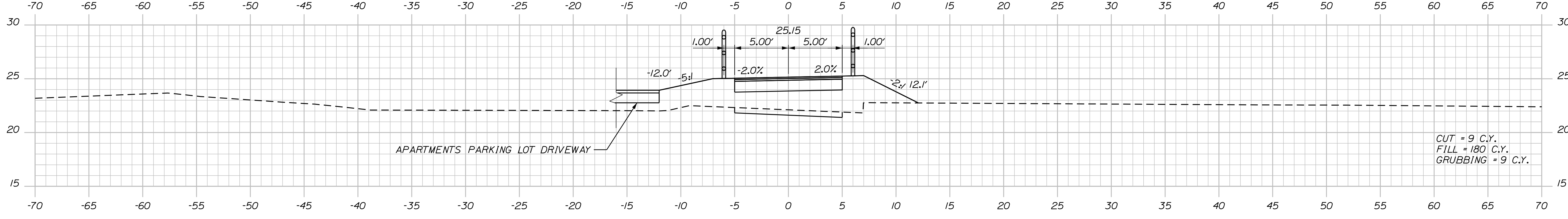
SHEET NUMBER  
**25**  
OF 42

Date: 4/2/2018

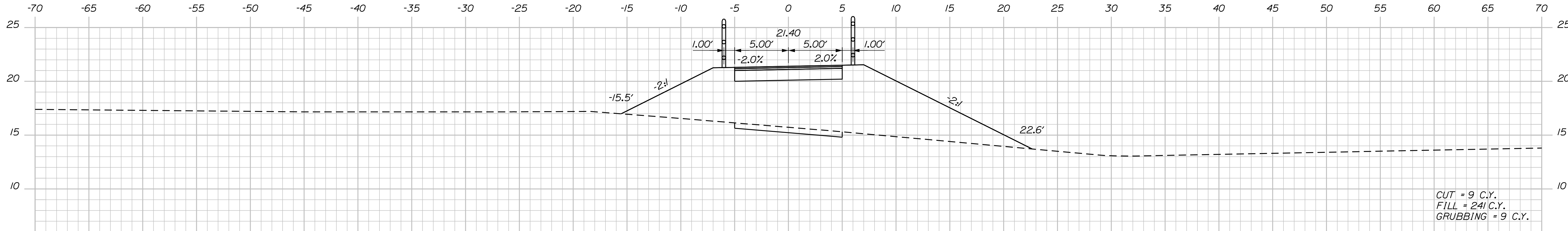
Username:

Division: HIGHWAY

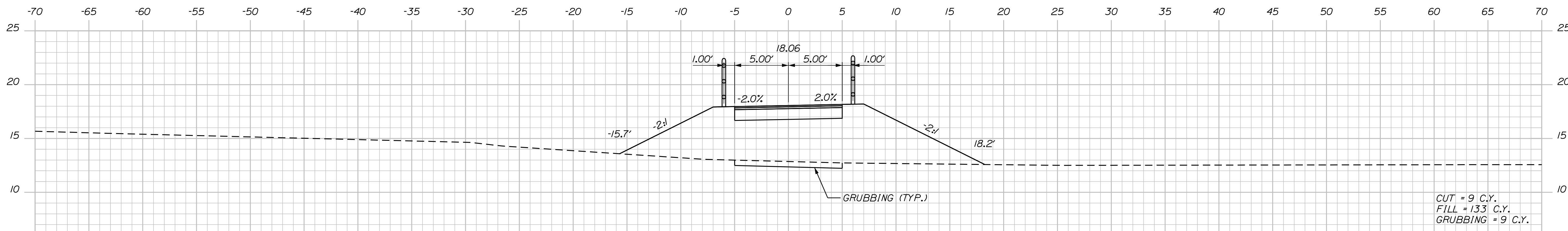
Filename: ... \multimode\WSTA\vssect.dgn



113+50.00



113+00.00



112+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE: 3/2018  
BY: T. WOLFEL, J. WENTWORTH  
PROJ. MGR: CATHERINE RAND  
CHECKED: T. WOLFEL, K. WOOD  
DESIGNED: T. WOLFEL  
DESIGNED/DETAILED: T. WOLFEL  
REVISIONS: 1, 2, 3, 4  
FIELD CHANGES

SIGNATURE  
P.E. NUMBER  
DATE

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

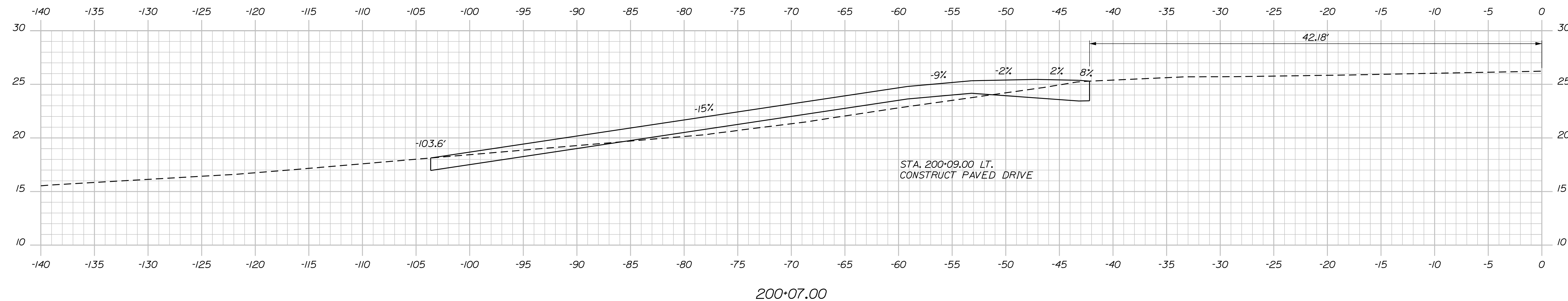
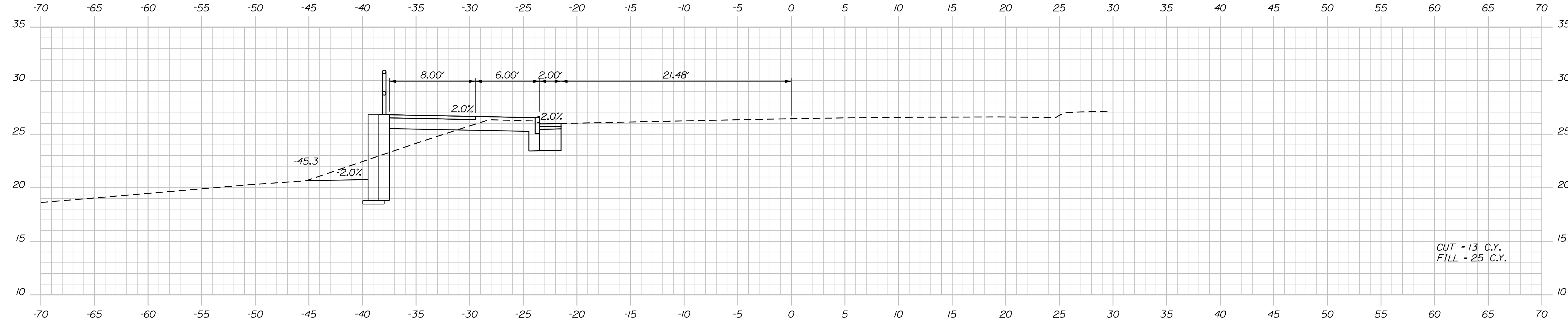
SHEET NUMBER  
**26**  
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGNED-DETAILED	T. WOLFEL	BY	T. WOLFEL
CHECKED-REVIEWED	K. WOOD		J. WENTWORTH
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

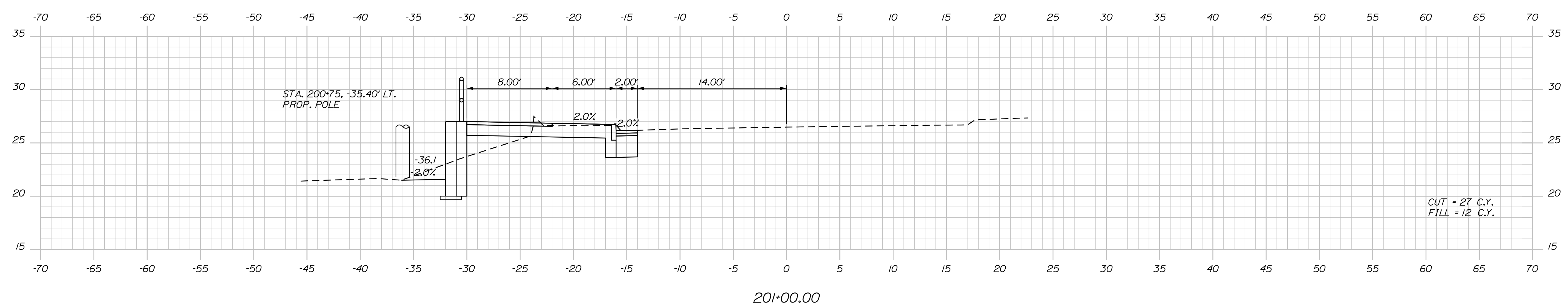
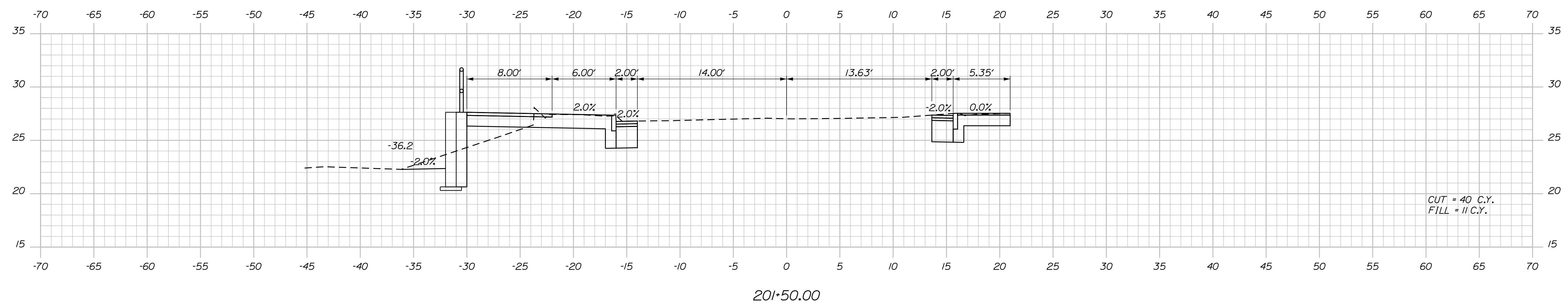
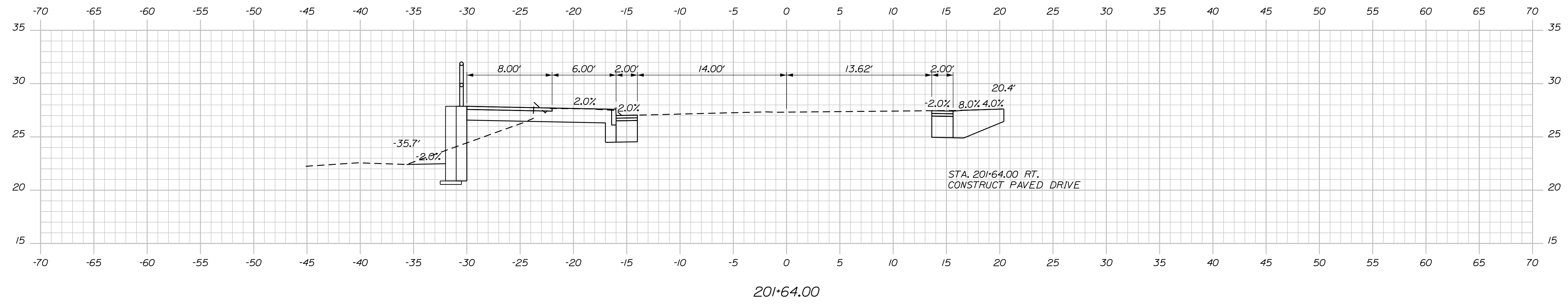
BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**27**  
OF 42

Date: 4/2/2018

Username: Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE: 3/2018  
BY: T. WOLFE, J. WENTWORTH  
DESIGN: T. WOLFE  
CHECKED: K. WOOD  
DESIGNED: T. WOLFE  
REVISIONS: 1, 2, 3, 4  
FIELD CHANGES

SIGNATURE  
P.E. NUMBER  
DATE

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
28  
OF 42

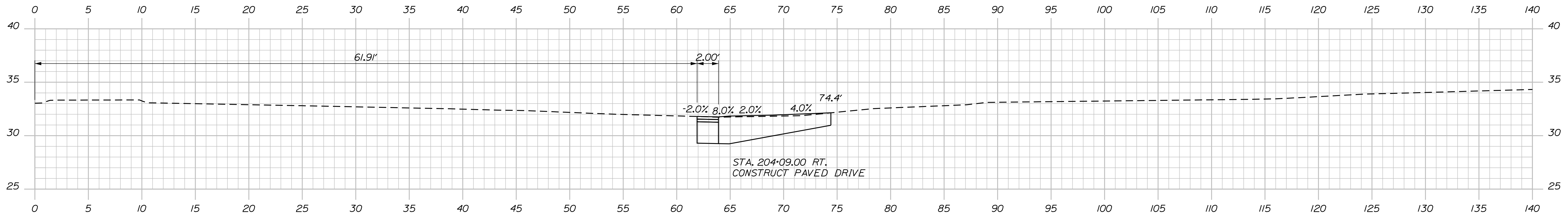


Date: 4/2/2018

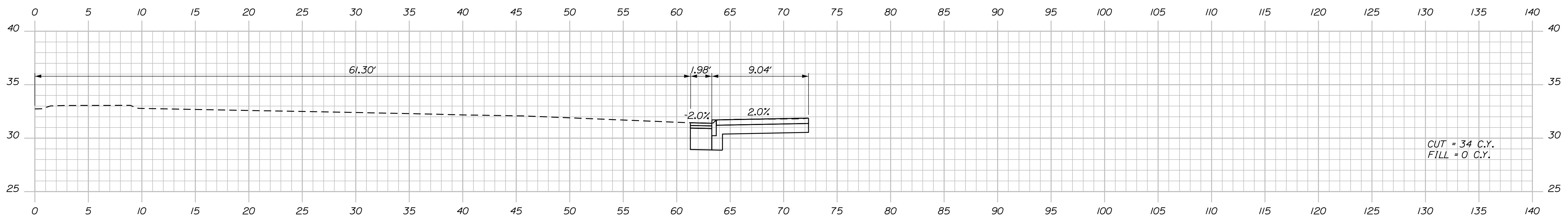
Username:

Division: HIGHWAY

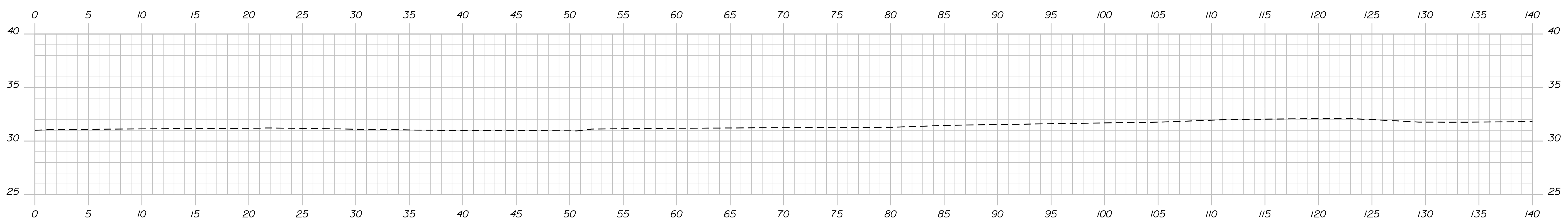
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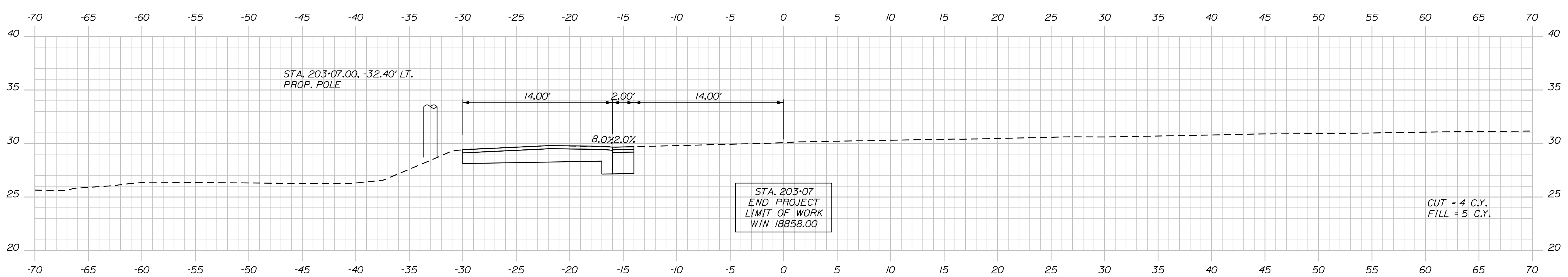
204+09.00



204+00.00



203+50.00



203+07.00

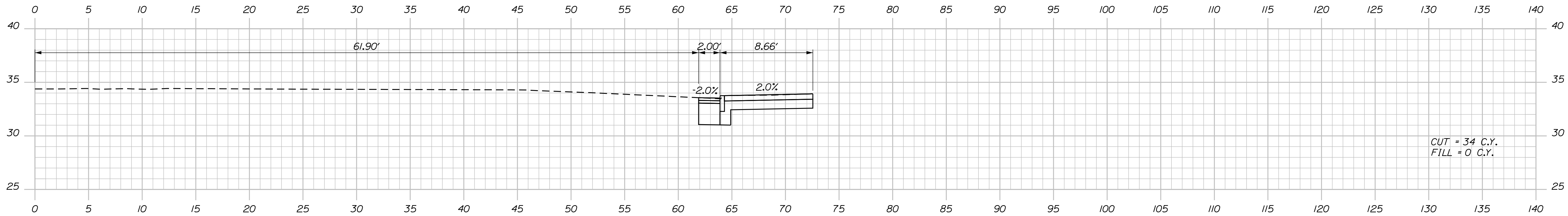
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE: 3/2018  
BY: T. WOLFEL, J. WENTWORTH  
SIGNATURE: \_\_\_\_\_  
P.E. NUMBER: \_\_\_\_\_  
DATE: \_\_\_\_\_

PROJ. MANAGER	CATHERINE RAND	DATE
DESIGN DETAILED	T. WOLFEL	3/2018
CHECKED-REVIEWED	K. WOOD	3/2018
DESIGN DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**30**  
OF 42



204+50.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

HPP-1885(800)

WIN  
18858.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

BY

T. WOLFEL

J. WENTWORTH

3/2018

PROJ. MANAGER CATHERINE RAND

DESIGNED BY T. WOLFEL

CHECKED BY K. WOOD

DESIGNED BY T. WOLFEL

DESIGNED BY T. WOLFEL

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

FIELD CHANGES

BREWER  
BREWER RIVERWALK

CROSS SECTIONS

SHEET NUMBER

31

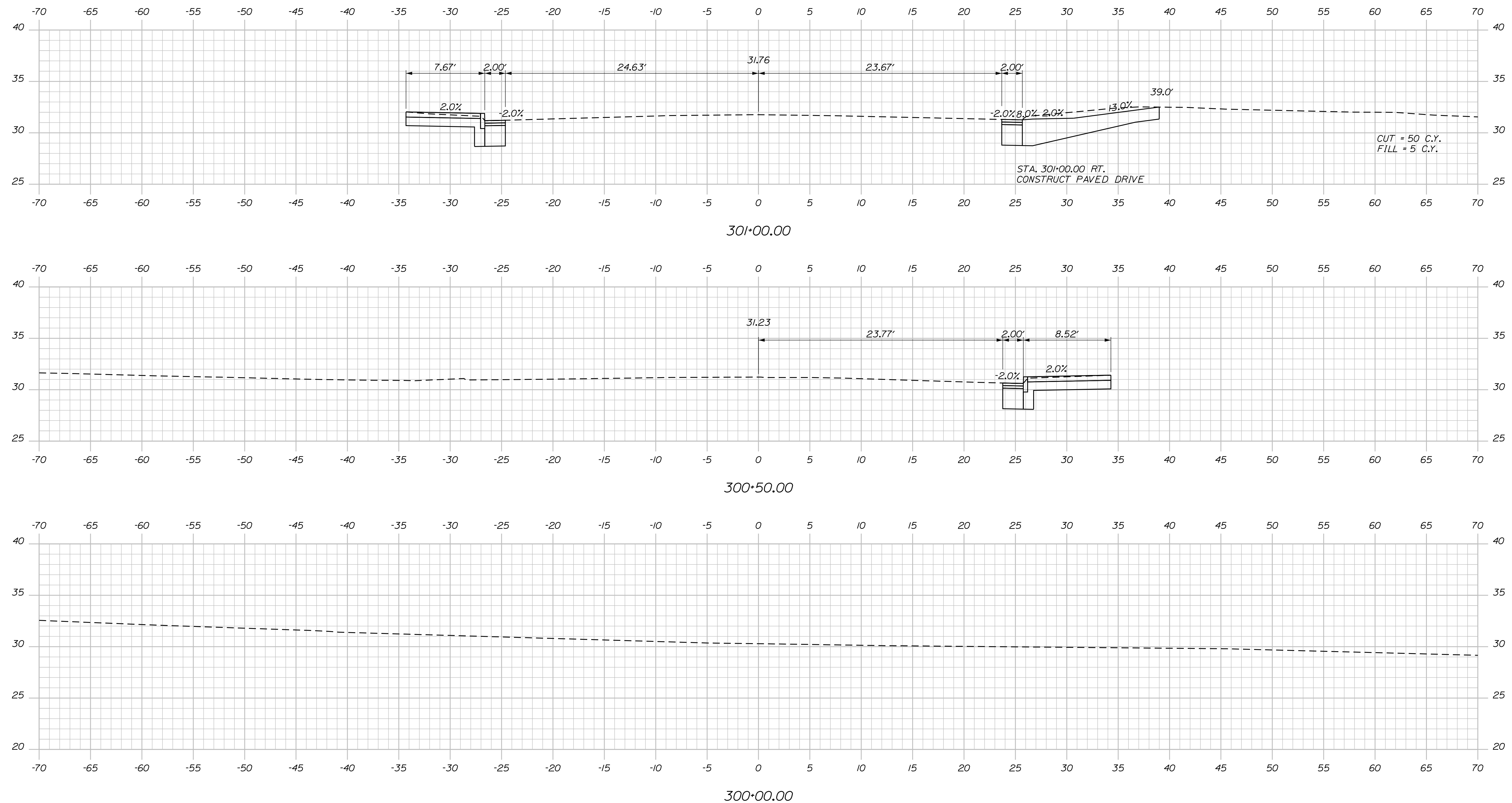
OF 42

Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \multimode\WSTA\vssect.dgn



STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 HPP-1885(800)  
 WIN  
 18858.00  
 HIGHWAY PLANS

DATE: 3/2018  
 BY: T. WOLFEL  
 J. WENTWORTH  
 SIGNATURE: \_\_\_\_\_  
 P.E. NUMBER: \_\_\_\_\_  
 DATE: \_\_\_\_\_

PROJ. MANAGER	CATHERINE RAND
DESIGN DETAILED	T. WOLFEL
CHECKED/REVIEWED	K. WOOD
DESIGN DETAILED	
DESIGN DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BREWER  
 BREWER RIVERWALK  
 CROSS SECTIONS

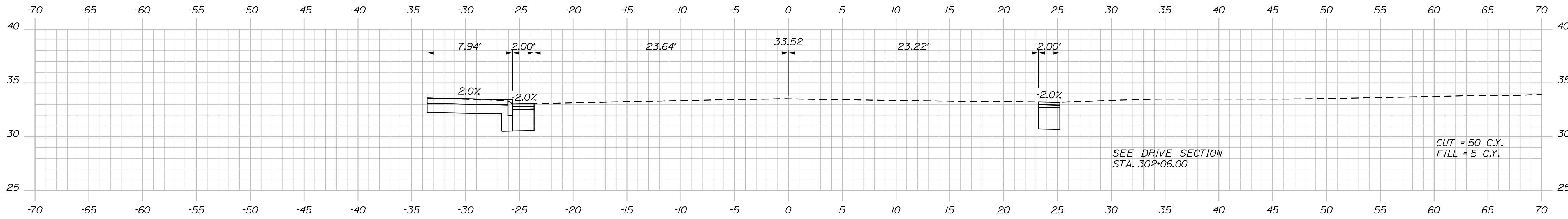
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 OF 42

Date: 4/2/2018

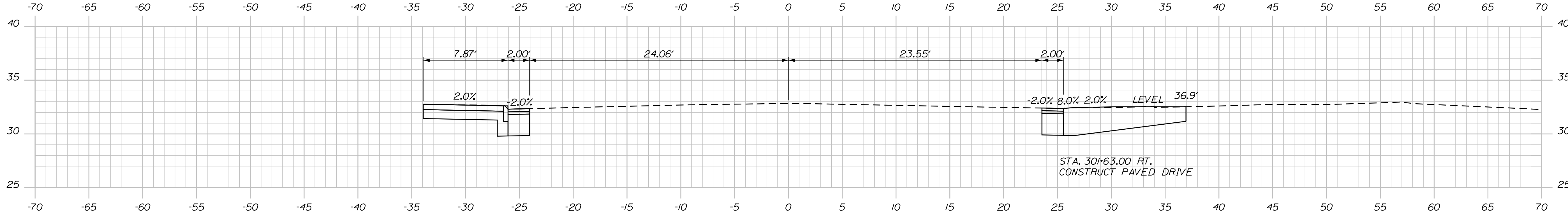
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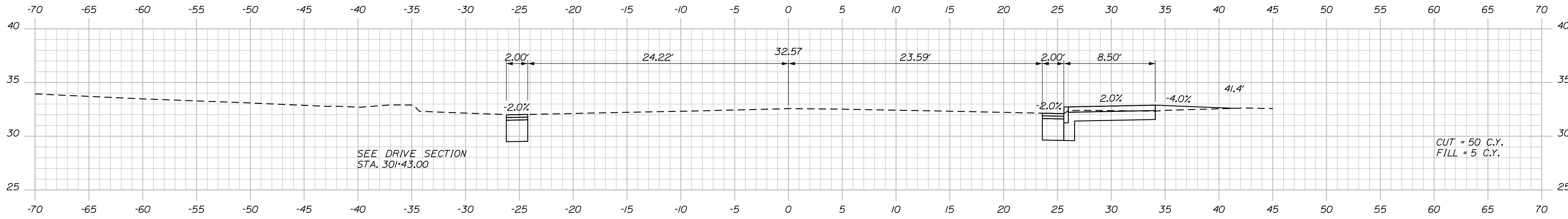
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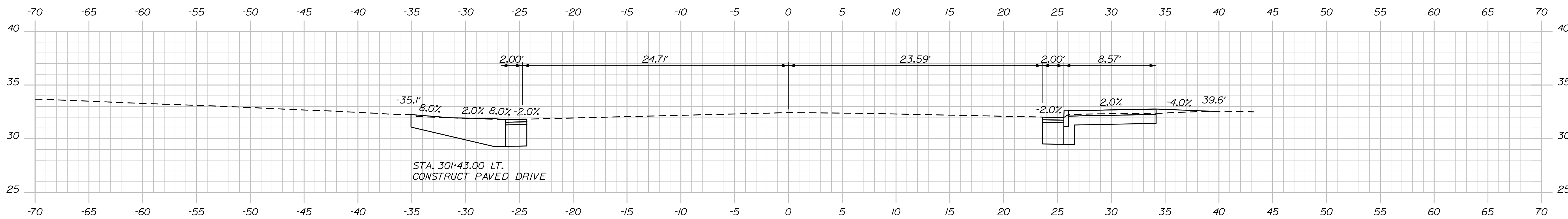
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301+50.00



301+43.00

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE	SIGNATURE	P.E. NUMBER	DATE
3/2018			
BY			
T. WOLFEL			
J. WENTWORTH			

PROJ. MANAGER	CATHERINE RAND
DESIGN-DETAILED	T. WOLFEL
CHECKED-REVIEWED	K. WOOD
DESIGN-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

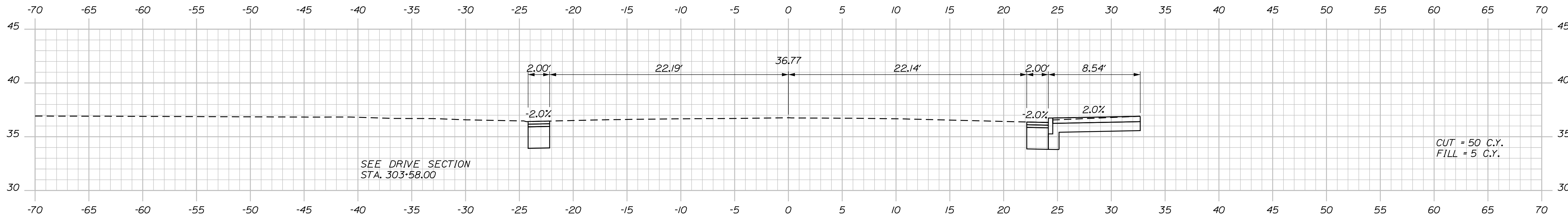
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**33**  
OF 42

Date: 4/2/2018

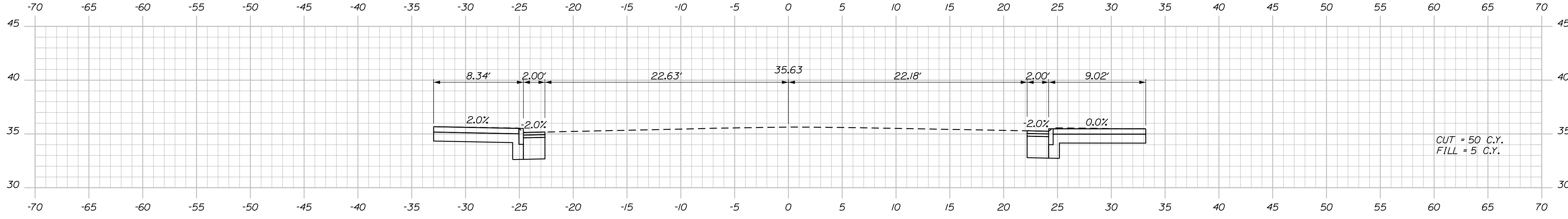
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Division: HIGHWAY

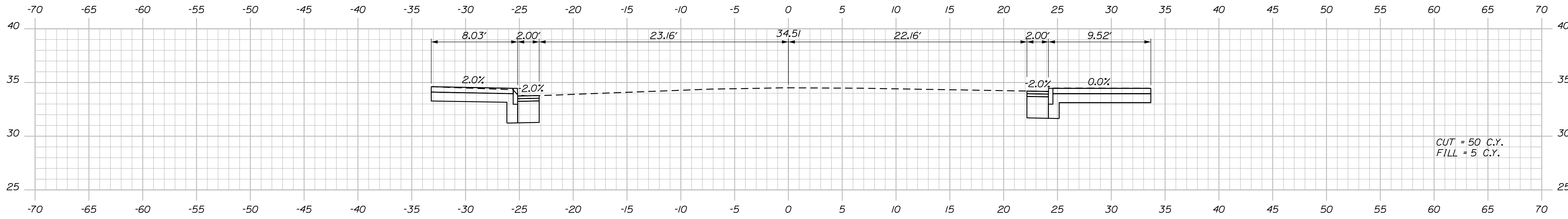
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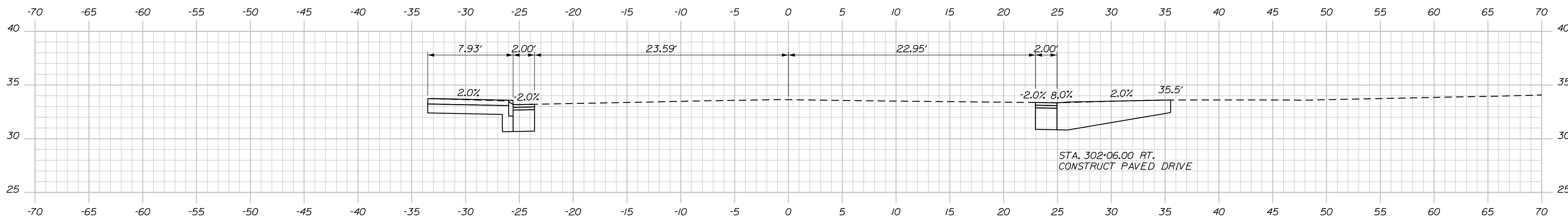
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303+00.00



302+50.00



302+06.00

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 HPP-1885(800)  
 WIN  
 18858.00  
 HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND  
 DESIGN-DETAILED T. WOLFEL  
 CHECKED-REVIEWED K. WOOD  
 DESIGNS-DETAILED  
 REVISIONS 1  
 REVISIONS 2  
 REVISIONS 3  
 REVISIONS 4  
 FIELD CHANGES

DATE	BY	SIGNATURE	P.E. NUMBER	DATE
3/2018	T. WOLFEL			
3/2018	J. WENTWORTH			

BREWER  
 BREWER RIVERWALK  
 CROSS SECTIONS

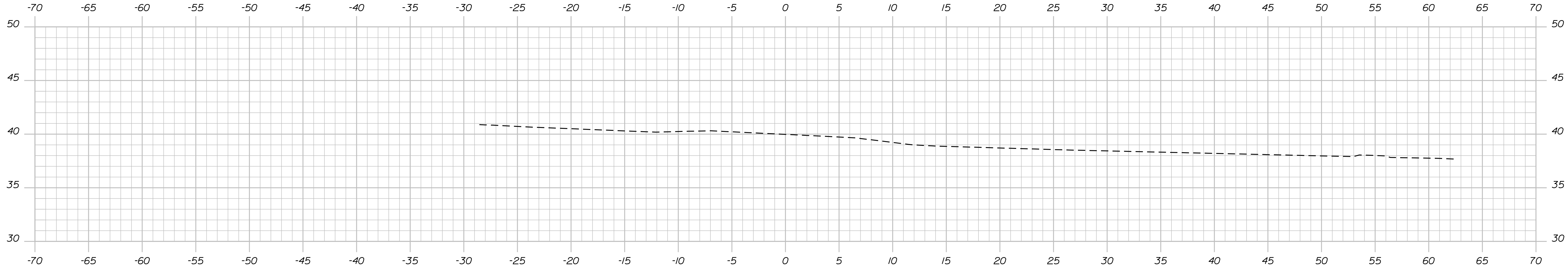
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**34**  
 OF 42

Date: 4/2/2018

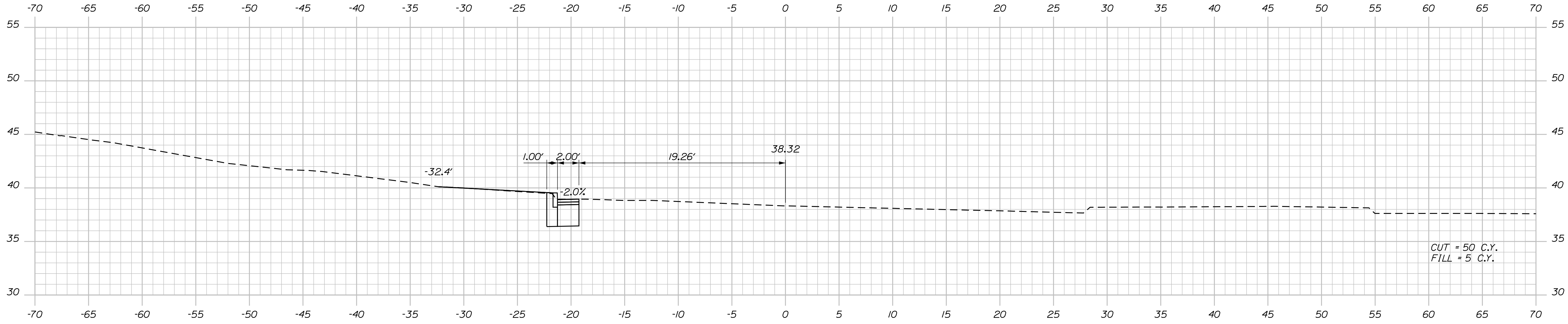
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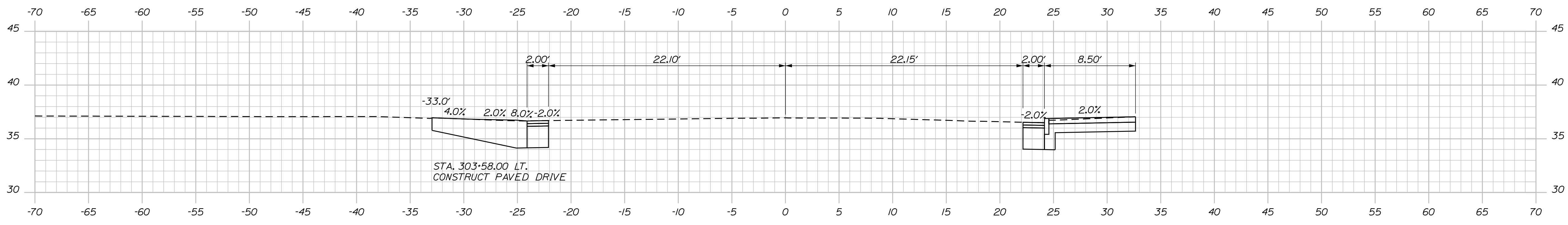
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304+00.00



303+58.00

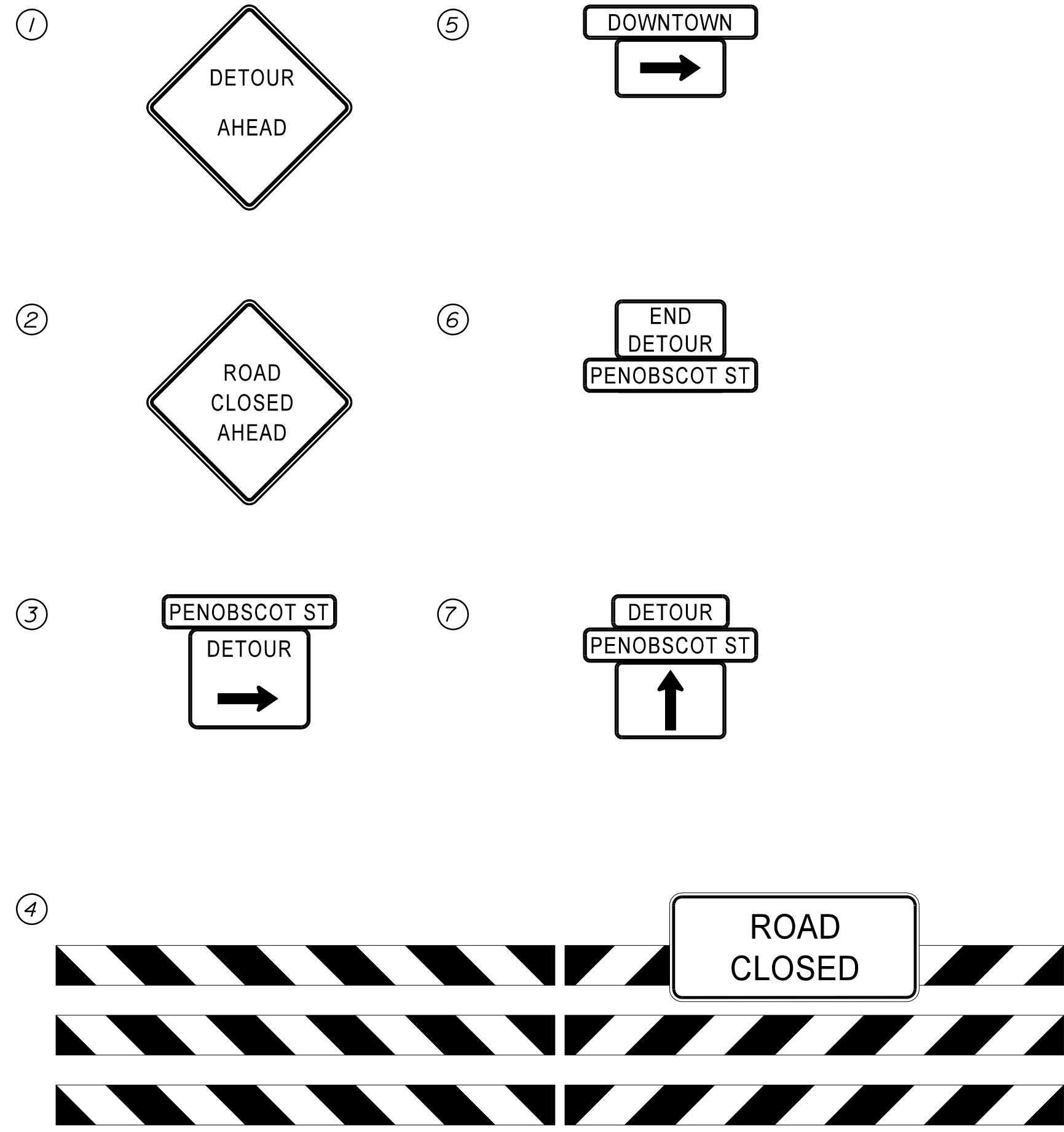
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)  
WIN  
18858.00  
HIGHWAY PLANS

DATE	3/2018
BY	T. WOLFEL
PROJ. MANAGER	CATHERINE RAND
DESIGNED	T. WOLFEL
CHECKED	K. WOOD
DESIGNED	J. WENTWORTH
DESIGNED	
REVISIONS	1
REVISIONS	2
REVISIONS	3
REVISIONS	4
FIELD CHANGES	

SIGNATURE	
P.E. NUMBER	
DATE	

BREWER  
BREWER RIVERWALK  
CROSS SECTIONS

SHEET NUMBER  
**35**  
OF 42



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
HPP-1885(800)

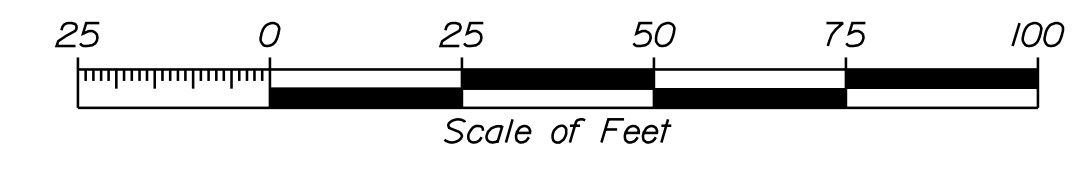
WIN  
18858.00  
HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	DATE	3/2018
DESIGN-DETAILED	T. WOLFEL	BY	T. WOLFEL
CHECKED-REVIEWED	K. WOOD		J. WENTWORTH
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER  
BREWER RIVERWALK  
WESTBOUND DETOUR PLAN

SHEET NUMBER  
**36**  
OF 42

Town, County, State _____ Approx. Property Lines _____ Existing Right of Way _____ Limits of Wrought Portion _____ Control Of Access _____ New Right of Way _____ New Easement _____ New Temporary Rights _____ New R/W Within Existing R/W _____	<b>PLAN LEGEND</b> <table border="0" style="width:100%;"> <tr> <td style="width:33%;">           Existing _____ Proposed _____            Sanitary Sewer _____            Telephone Line _____            Electric Line _____            Water Line _____            Underdrain Line _____            Gas Line _____            Guardrail _____            Culvert _____         </td> <td style="width:33%;">           Existing _____ Proposed _____            Traveled Way _____            Ditch _____            Catch Basin _____            Manhole _____            Sewer Manhole _____            Utility Pole _____            Fire Hydrant _____            Curbing _____         </td> <td style="width:33%;">           Cut Line _____            Stonewall _____            Baseline _____            Monument _____            Iron Rod Found _____            Replacement Pin Set _____         </td> <td style="width:33%;">           Fill Line _____            Retaining Wall _____            Traverse Point _____            Pipe Found _____         </td> </tr> </table>	Existing _____ Proposed _____ Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____	Existing _____ Proposed _____ Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____	STATE OF MAINE REGISTRY OF DEEDS COUNTY _____ RECEIVED _____ at _____ h _____ m _____ M and recorded in Plan Book _____, Page _____ Attest: _____ REGISTER	THIS PLAN WAS PREPARED IN CONNECTION WITH THE CITY'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJUTING PROPERTY OWNERS.
Existing _____ Proposed _____ Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____	Existing _____ Proposed _____ Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____				

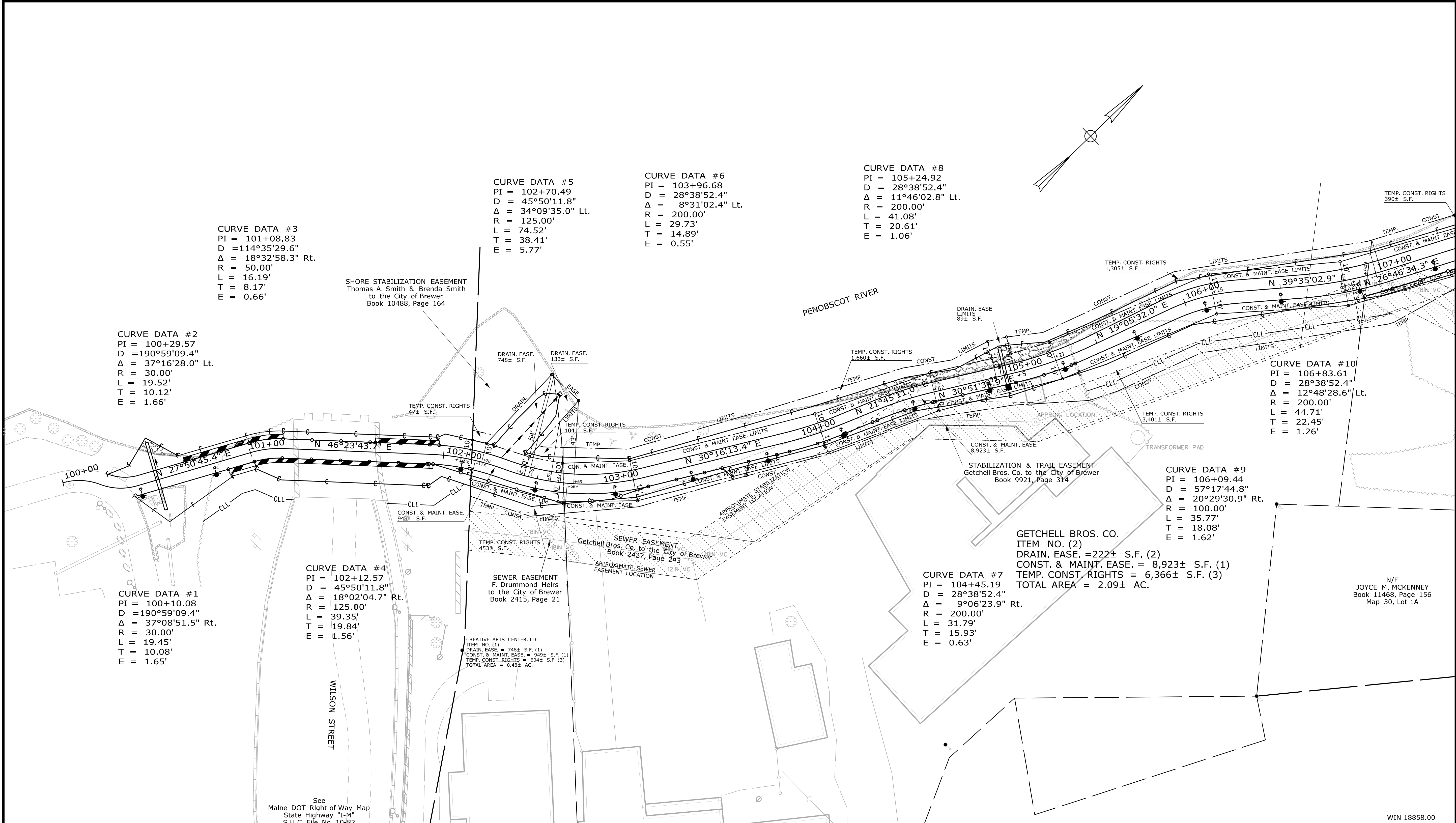


Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \ROW\MSTA\037\_RWPLAN1.dgn



ITEM	CHECKED	EXISTING CONDITION PLAN		
		TECH	RIC	RIC
EXISTING CONDITION PLAN		NE	NE	NE
FINAL RIGHT OF WAY		NE	NE	NE
AREAS				

**CITY OF BREWER**  
 BREWER  
**RIGHT OF WAY MAP**  
80 NORTH MAIN STREET - BREWER, ME 04413 - 207-989-7500

<b>REVISIONS</b>				PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	INSTRUMENT	DATE	BOOK	PAGE

BREWER RIVERWALK PHASE II  
 BREWER PENOBSCOT COUNTY  
 FEDERAL AID PROJECT NO. HPP-1885(800)

AUGUST 2017 RIGHT-OF-WAY MAP  
 SCALE 1" = 25' SHEET 1 OF 4

37

OF 42

SHEET NUMBER

Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_  
 Control Of Access \_\_\_\_\_  
 New Right of Way \_\_\_\_\_  
 New Easement \_\_\_\_\_  
 New Temporary Rights \_\_\_\_\_  
 New R/W Within Existing R/W \_\_\_\_\_

New R/W Along Existing R/W \_\_\_\_\_  
 Building \_\_\_\_\_  
 Trees Conifer \_\_\_\_\_  
 Tree Line Deciduous \_\_\_\_\_  
 Water Edge \_\_\_\_\_  
 Ledge \_\_\_\_\_  
 Fence CHAIN LINK \_\_\_\_\_  
 Sign \_\_\_\_\_

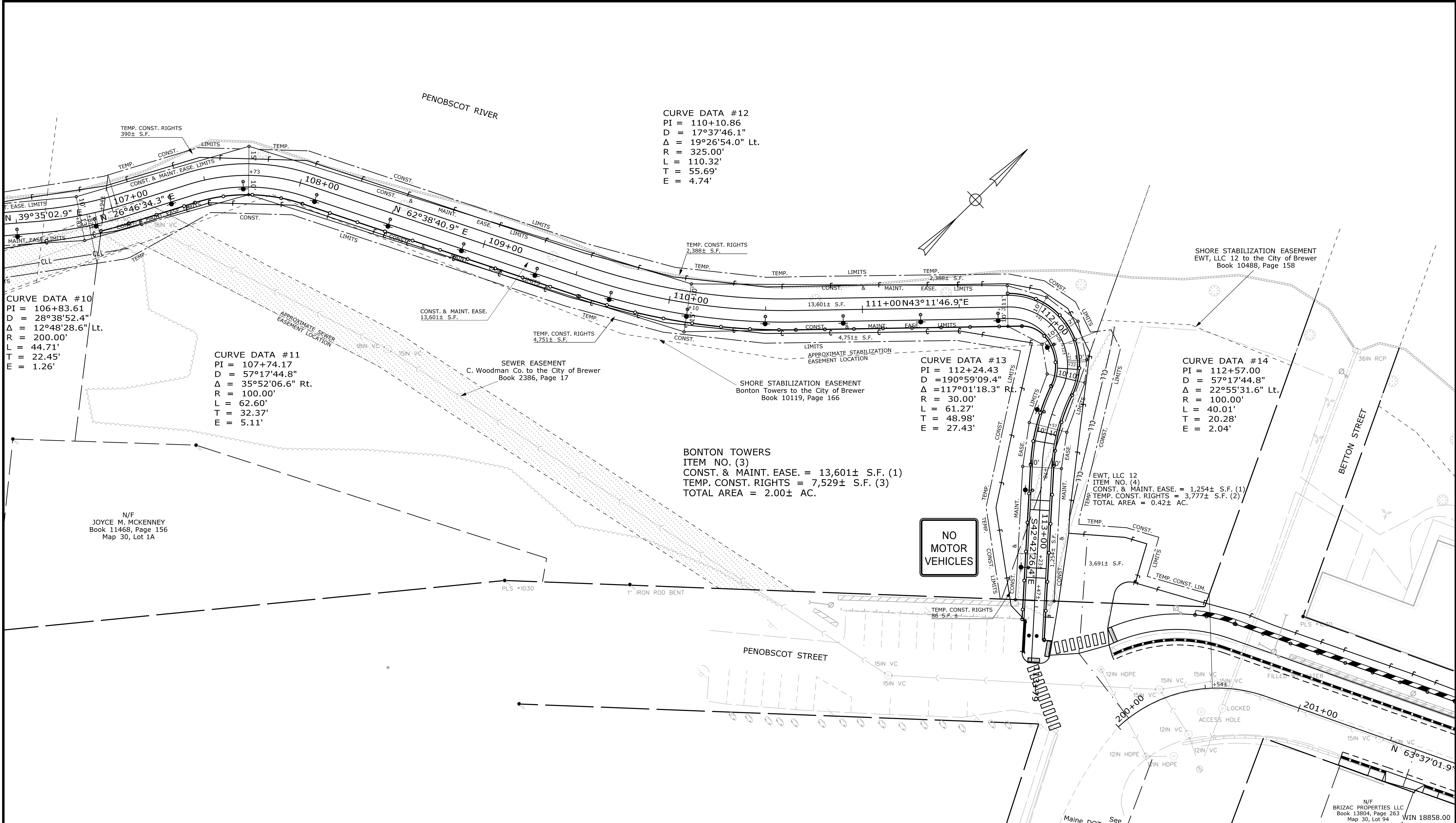
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 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 Well \_\_\_\_\_  
 Mailbox \_\_\_\_\_

**PLAN LEGEND**  
 Existing Proposed  
 Sanitary Sewer \_\_\_\_\_  
 Telephone Line \_\_\_\_\_  
 Electric Line \_\_\_\_\_  
 Water Line \_\_\_\_\_  
 Underdrain Line \_\_\_\_\_  
 Gas Line \_\_\_\_\_  
 Guardrail \_\_\_\_\_  
 Culvert \_\_\_\_\_  
 Traveled Way \_\_\_\_\_  
 Ditch \_\_\_\_\_  
 Catch Basin \_\_\_\_\_  
 Manhole \_\_\_\_\_  
 Sewer Manhole \_\_\_\_\_  
 Utility Pole \_\_\_\_\_  
 Fire Hydrant \_\_\_\_\_  
 Curbing \_\_\_\_\_

Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_  
 Fill Line \_\_\_\_\_  
 Retaining Wall \_\_\_\_\_  
 Traverse Point \_\_\_\_\_  
 Pipe Found \_\_\_\_\_

STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and recorded in  
 Plan Book \_\_\_\_\_, Page \_\_\_\_\_  
 Attest: \_\_\_\_\_ REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE CITY'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJUTING PROPERTY OWNERS.  
 25 0 25 50 75 100  
 Scale of Feet



Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \ROW\MSTA\038\_RWPLAN2.dgn

ITEM	EXISTING CONDITION	PLAN	FINAL RIGHT OF WAY	AREAS	TECH	CHECKED
						R/C

CITY OF BREWER  
 BREWER RIVERWALK PHASE II  
 FEDERAL AID PROJECT NO. HPP-1885(800)  
 80 NORTH MAIN STREET - BREWER, ME 04412 - 207-989-7500  
 BREWER  
 RIGHT OF WAY MAP

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD	
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

BREWER RIVERWALK PHASE II  
 BREWER PENOBSCOT COUNTY  
 FEDERAL AID PROJECT NO. HPP-1885(800)  
 AUGUST 2017  
 SCALE 1" = 25'  
 RIGHT-OF-WAY MAP  
 SHEET 2 OF 4

SHEET NUMBER  
**38**  
 OF 42



Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_  
 Control Of Access \_\_\_\_\_  
 New Right of Way \_\_\_\_\_  
 New Easement \_\_\_\_\_  
 New Temporary Rights \_\_\_\_\_  
 New R/W Within Existing R/W \_\_\_\_\_

New R/W Along Existing R/W \_\_\_\_\_  
 Building \_\_\_\_\_  
 Trees Conifer \_\_\_\_\_  
 Tree Line \_\_\_\_\_  
 Water Edge \_\_\_\_\_  
 Ledge \_\_\_\_\_  
 Fence CHAIN LINK \_\_\_\_\_  
 Sign \_\_\_\_\_

Clearing Limit Line \_\_\_\_\_  
 Deciduous \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 WELL \_\_\_\_\_  
 Mailbox \_\_\_\_\_

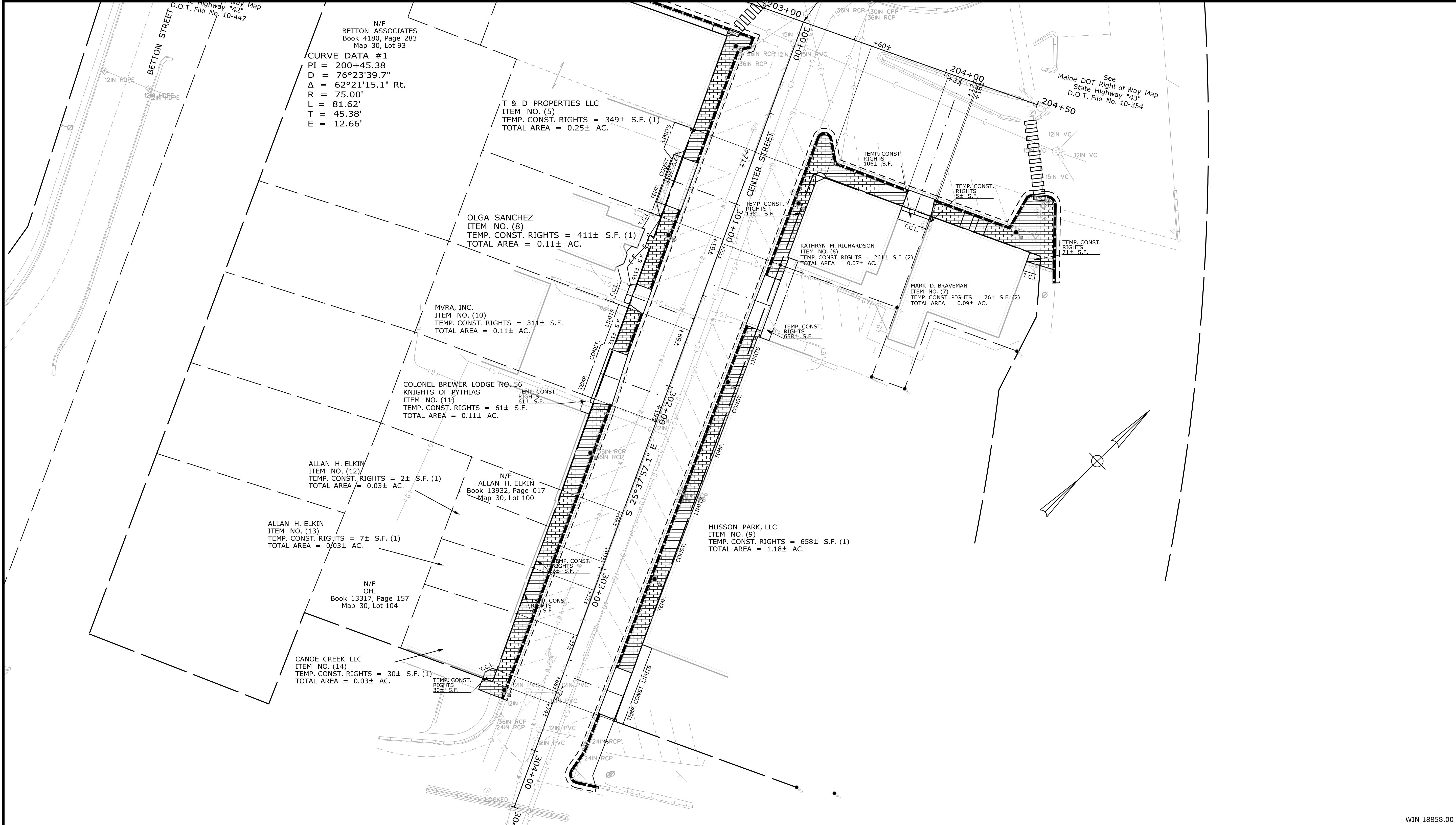
**PLAN LEGEND**  
 Existing Proposed  
 Sanitary Sewer \_\_\_\_\_  
 Telephone Line \_\_\_\_\_  
 Electric Line \_\_\_\_\_  
 Water Line \_\_\_\_\_  
 Underdrain Line \_\_\_\_\_  
 Gas Line \_\_\_\_\_  
 Guardrail \_\_\_\_\_  
 Culvert \_\_\_\_\_  
 Traveled Way \_\_\_\_\_  
 Ditch \_\_\_\_\_  
 Catch Basin \_\_\_\_\_  
 Manhole \_\_\_\_\_  
 Sewer Manhole \_\_\_\_\_  
 Utility Pole \_\_\_\_\_  
 Fire Hydrant \_\_\_\_\_  
 Curbing \_\_\_\_\_

Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_  
 Fill Line \_\_\_\_\_  
 Retaining Wall \_\_\_\_\_  
 Traverse Point \_\_\_\_\_  
 Pipe Found \_\_\_\_\_

STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and recorded in  
 Plan Book \_\_\_\_\_, Page \_\_\_\_\_  
 Attest: \_\_\_\_\_ REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE CITY'S  
 ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES.  
 IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN  
 ADJUTING PROPERTY OWNERS.

25 0 25 50 75 100  
 Scale of Feet



Date: 4/2/2018

Username:

Division: HIGHWAY

Filename: ... \ROW\MSTA\040\_RWPLAN4.dgn

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	NSE	RJC
FINAL RIGHT OF WAY	NSE	RJC
AREAS	NSE	RJC

CITY OF BREWER  
 BREWER  
 RIGHT OF WAY MAP  
 80 NORTH MAIN STREET - BREWER, ME 04412 - 207-989-7500

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE				COUNTY RECORD				
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE	INSTRUMENT	DATE	BOOK	PAGE	NO.	INSTRUMENT	DATE	BOOK	PAGE

BREWER RIVERWALK PHASE II  
 BREWER PENOBSCOT COUNTY  
 FEDERAL AID PROJECT NO. HPP-1885(800)  
 AUGUST 2017  
 SCALE 1" = 25'

SHEET NUMBER  
**40**  
 OF 42

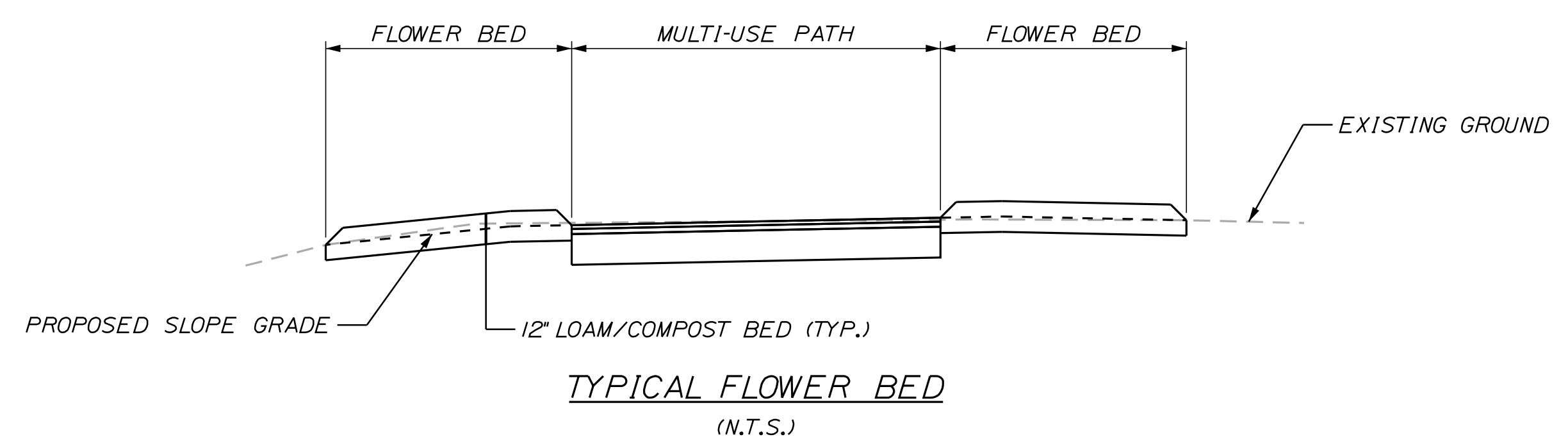
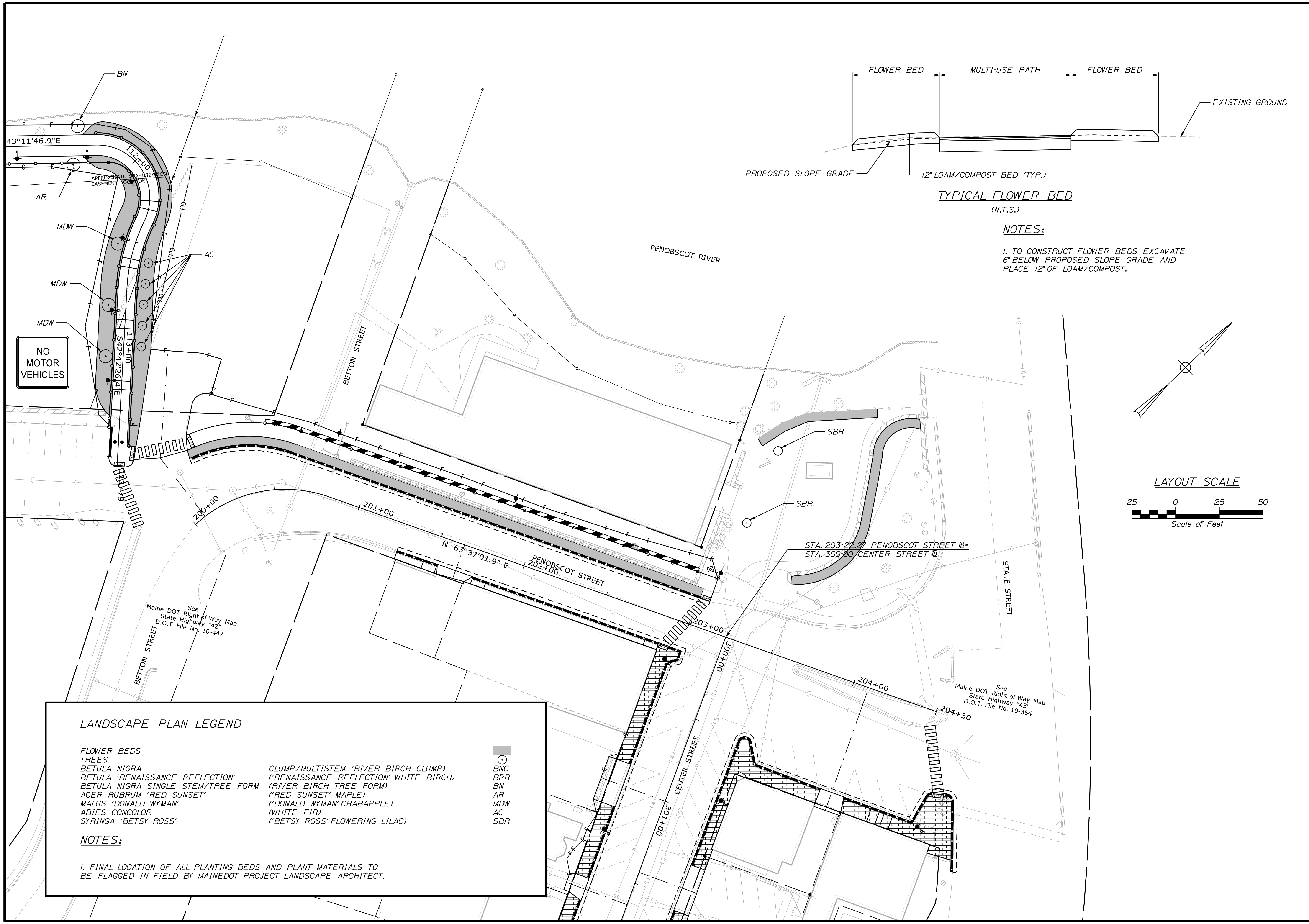


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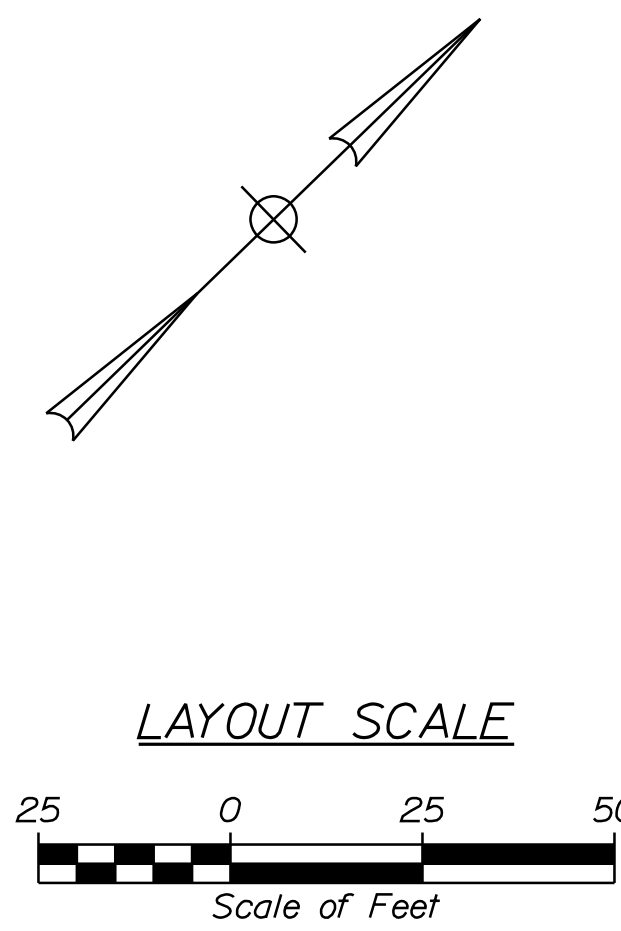
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Division: HIGHWAY

Filename: ... \MSTA\042\_Landscape\_Plan.dgn



**NOTES:**  
 1. TO CONSTRUCT FLOWER BEDS EXCAVATE 6" BELOW PROPOSED SLOPE GRADE AND PLACE 12" OF LOAM/COMPOST.

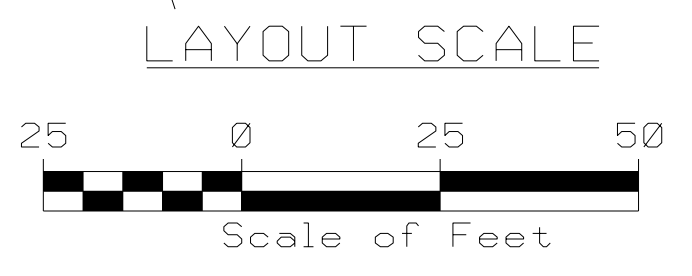
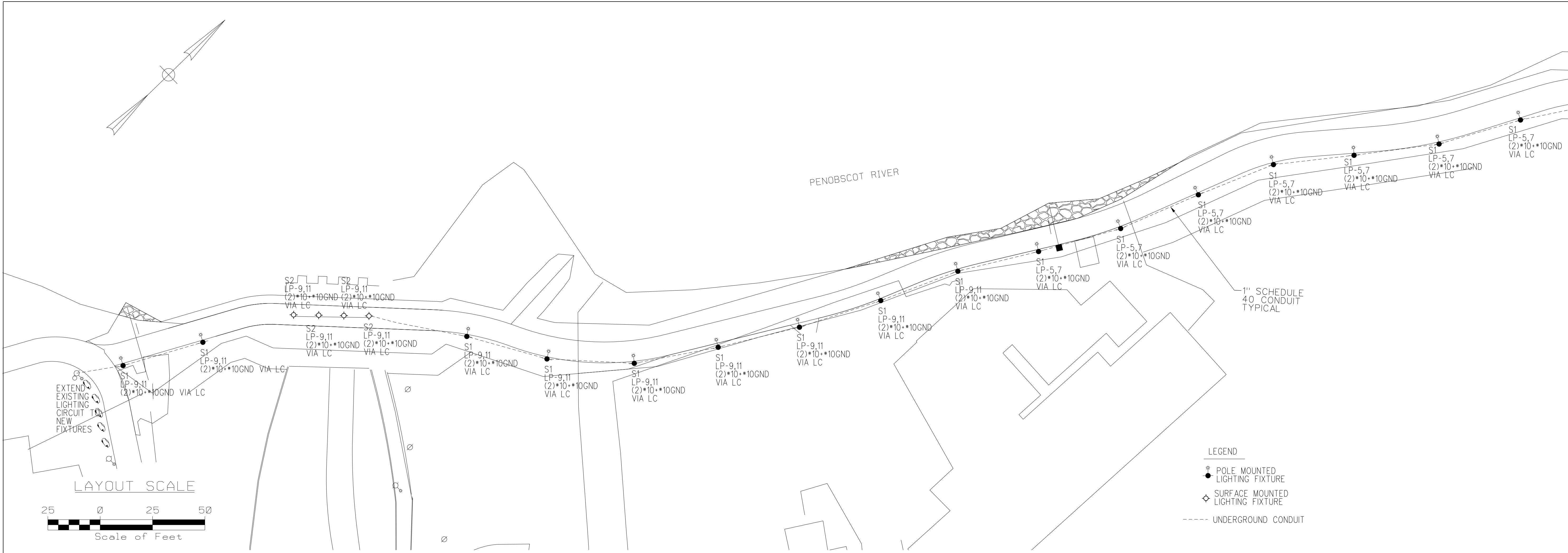
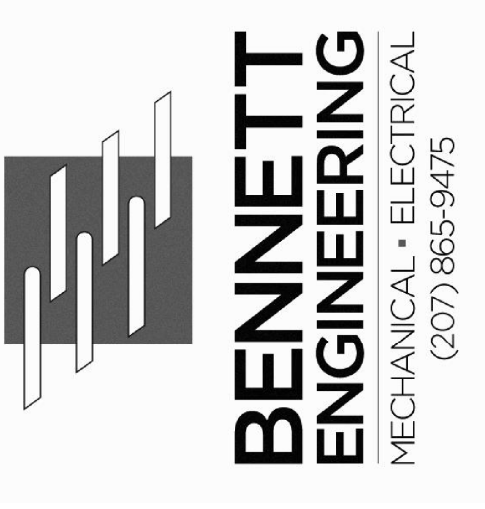
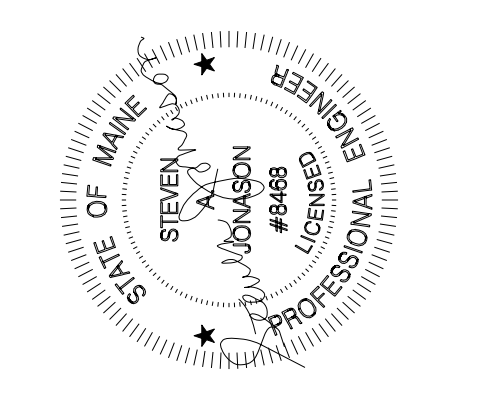


**LANDSCAPE PLAN LEGEND**

FLOWER BEDS	CLUMP/MULTISTEM (RIVER BIRCH CLUMP)	
TREES	('RENAISSANCE REFLECTION' WHITE BIRCH)	
BETULA NIGRA	(RIVER BIRCH TREE FORM)	
BETULA 'RENAISSANCE REFLECTION'	('RED SUNSET' MAPLE)	
BETULA NIGRA SINGLE STEM/TREE FORM	('DONALD WYMAN' CRABAPPLE)	
ACER RUBRUM 'RED SUNSET'	(WHITE FIR)	
MALUS 'DONALD WYMAN'	('BETSY ROSS' FLOWERING LILAC)	
ABIES CONCOLOR		
SYRINGA 'BETSY ROSS'		

**NOTES:**  
 1. FINAL LOCATION OF ALL PLANTING BEDS AND PLANT MATERIALS TO BE FLAGGED IN FIELD BY MAINEDOT PROJECT LANDSCAPE ARCHITECT.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		HPP-1885(800)		WIN		18856.00		HIGHWAY PLANS	
BREWER RIVERWALK		BREWER RIVERWALK		LANDSCAPE PLAN		SHEET NUMBER		42		OF 42	
PROJ. MANAGER	CATHERINE RAND	BY	T. WOLFFEL	DATE	3/2018	CHECKED	K. COOPER	SIGNATURE		P.E. NUMBER	
DESIGN	Detailed		J. WERTWORTH		3/2018	DESIGN	Detailed			DATE	
DESIGN	Detailed					REVISIONS	1				
						REVISIONS	2				
						REVISIONS	3				
						REVISIONS	4				
						FIELD CHANGES					



- LEGEND
- POLE MOUNTED LIGHTING FIXTURE
  - ◆ SURFACE MOUNTED LIGHTING FIXTURE
  - UNDERGROUND CONDUIT



BREWER RIVERWALK  
Brewer, ME 04412

Electrical Site Plan

Date Drawn: 12/15/2017

Drawn By: SAJ

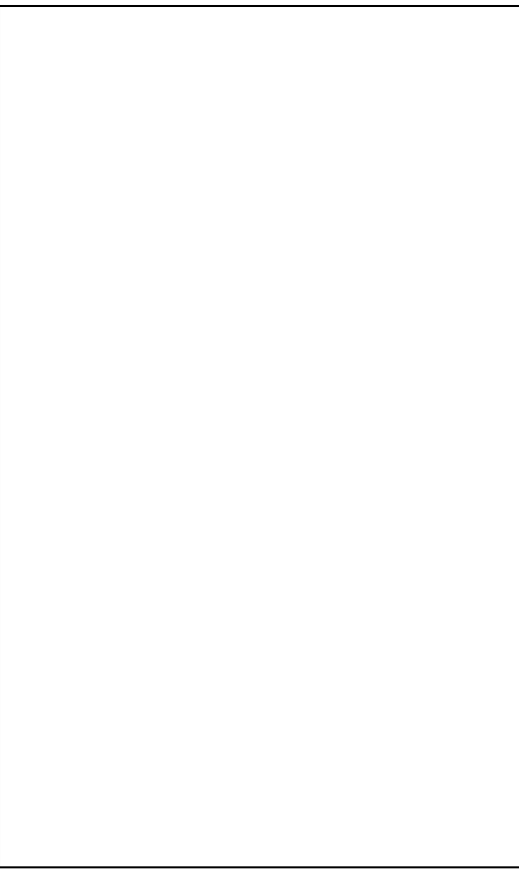
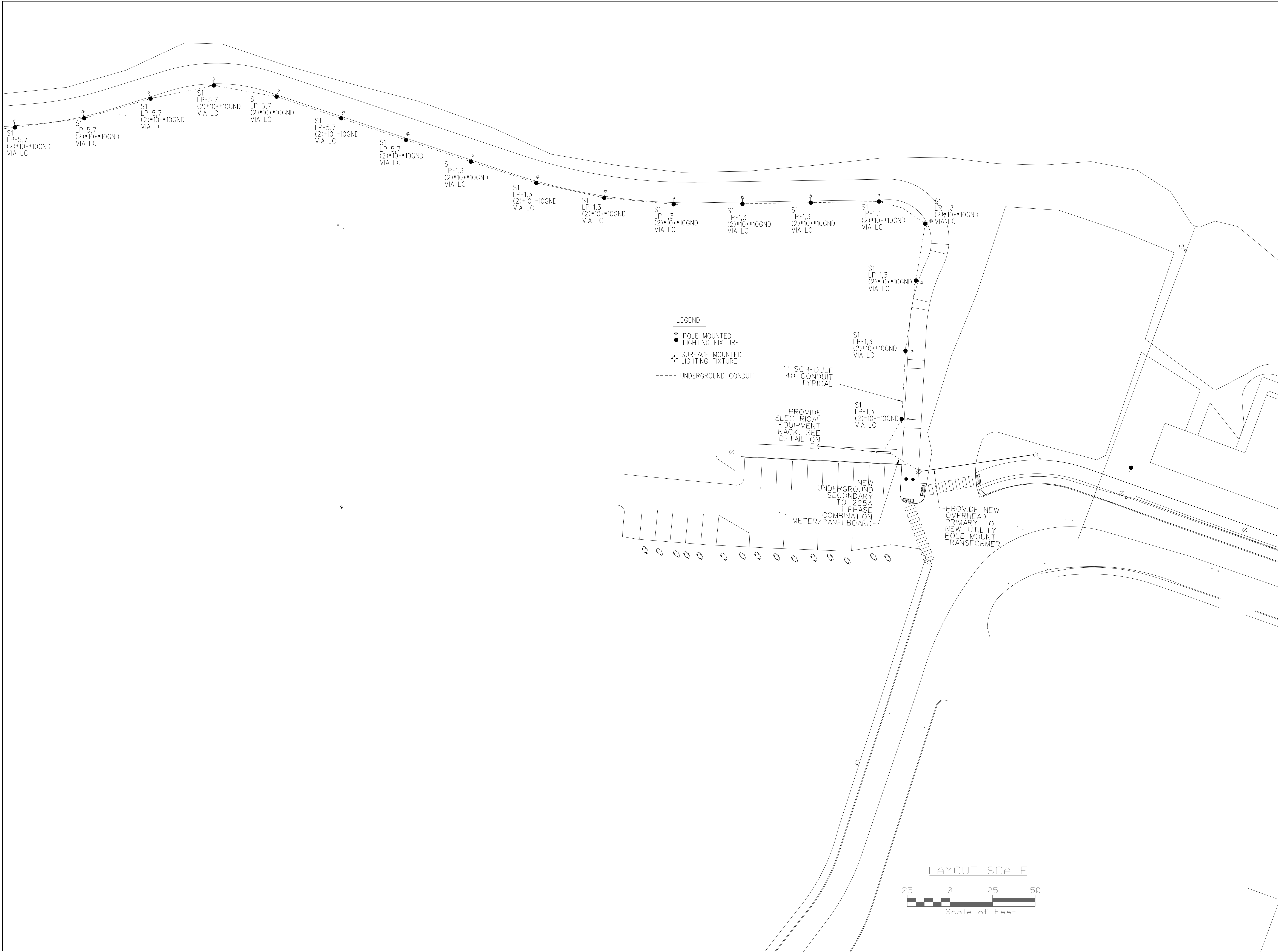
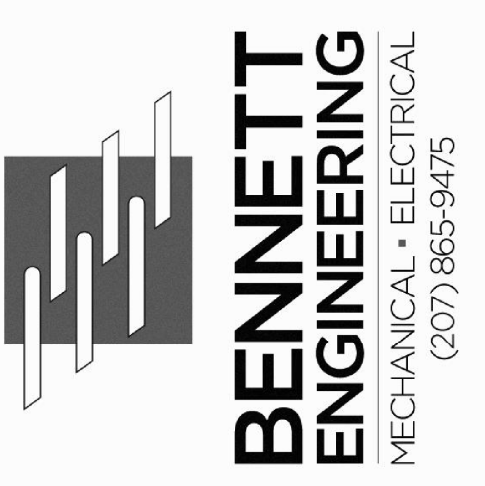
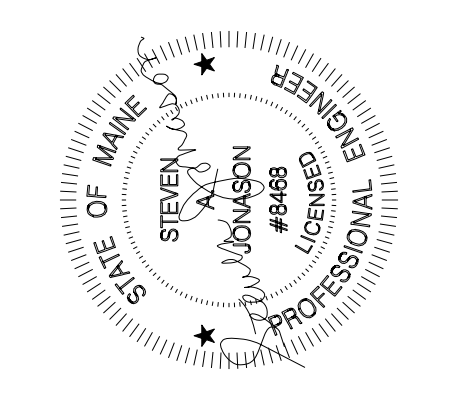
Checked By: SAJ

- Revision:
- 1.
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.
  - 7.

BEI Project No: 4017

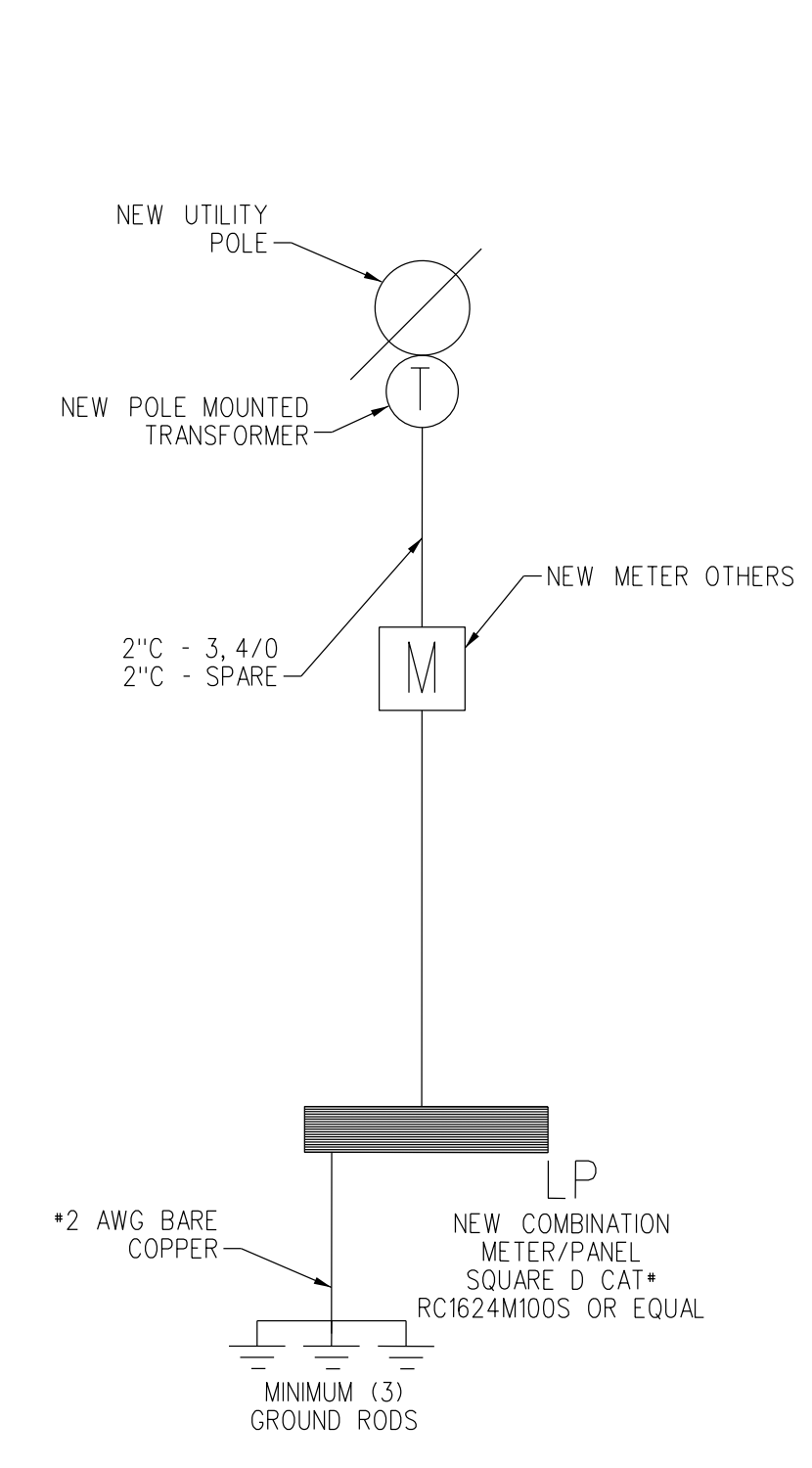
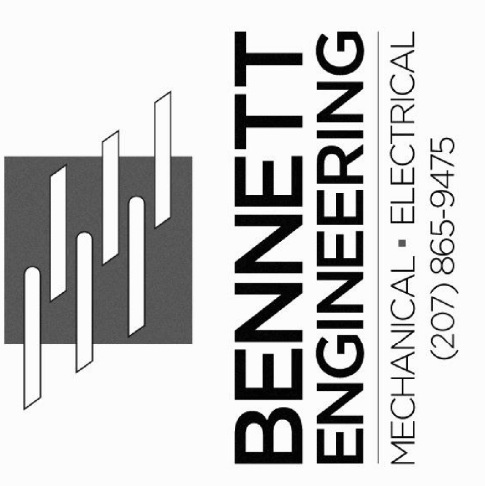
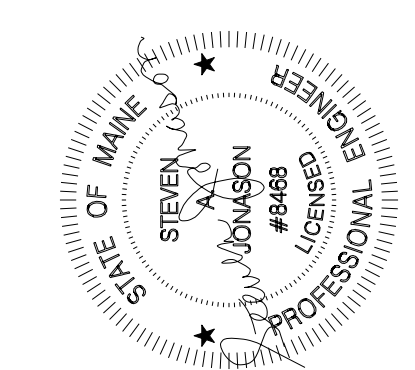
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Sht Num: E-1

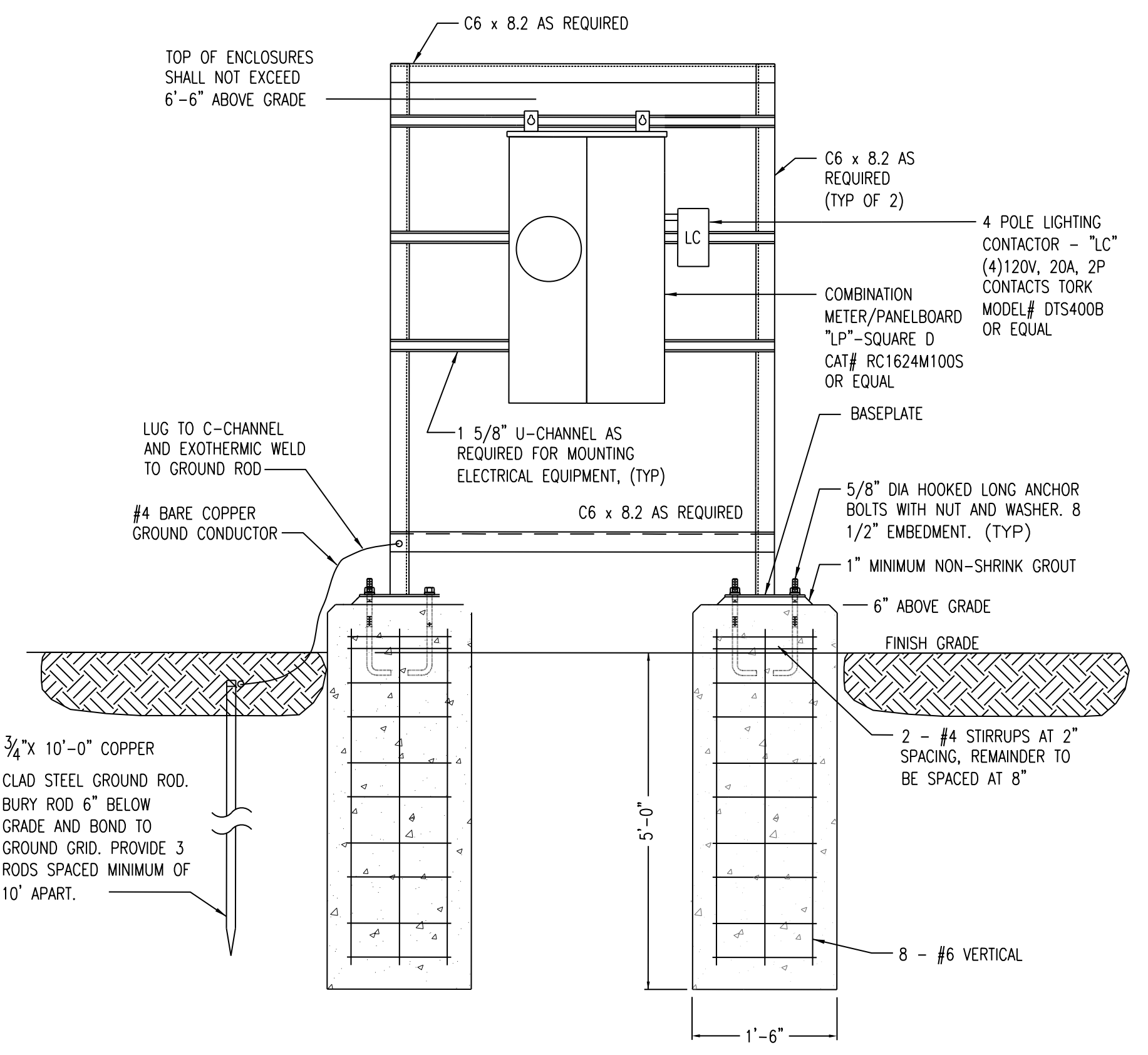


BREWER RIVERWALK  
Brewer, ME 04412  
Electrical Site Plan

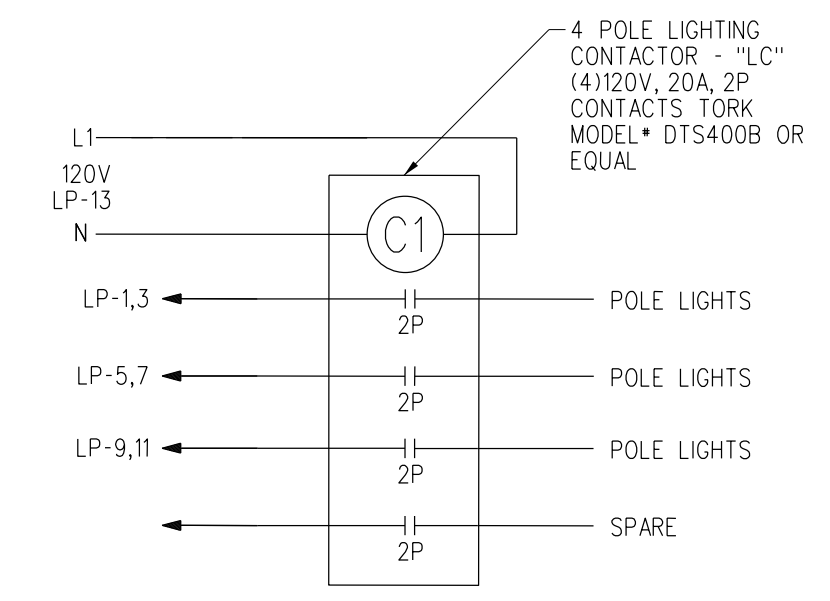
Date Drawn:	12/15/2017
Drawn By:	SAJ
Checked By:	SAJ
Revision:	1. 2. 3. 4. 5. 6. 7.
BEI Project No:	4017
Scale:	
Sht Num:	E-2



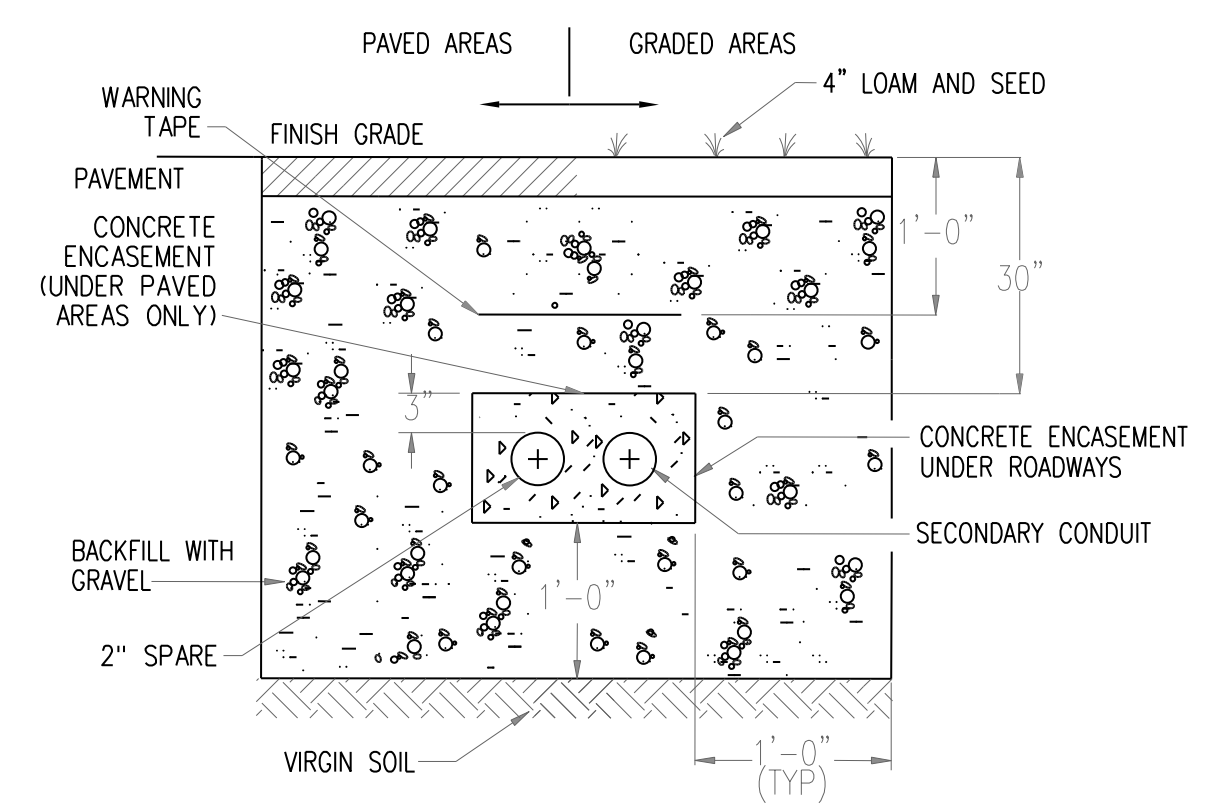
RISER DIAGRAM  
SCALE: NTS



EQUIPMENT MOUNTING STRUCTURE  
SCALE: NTS



LIGHTING CONTACTOR "LC" DETAIL  
SCALE: NTS



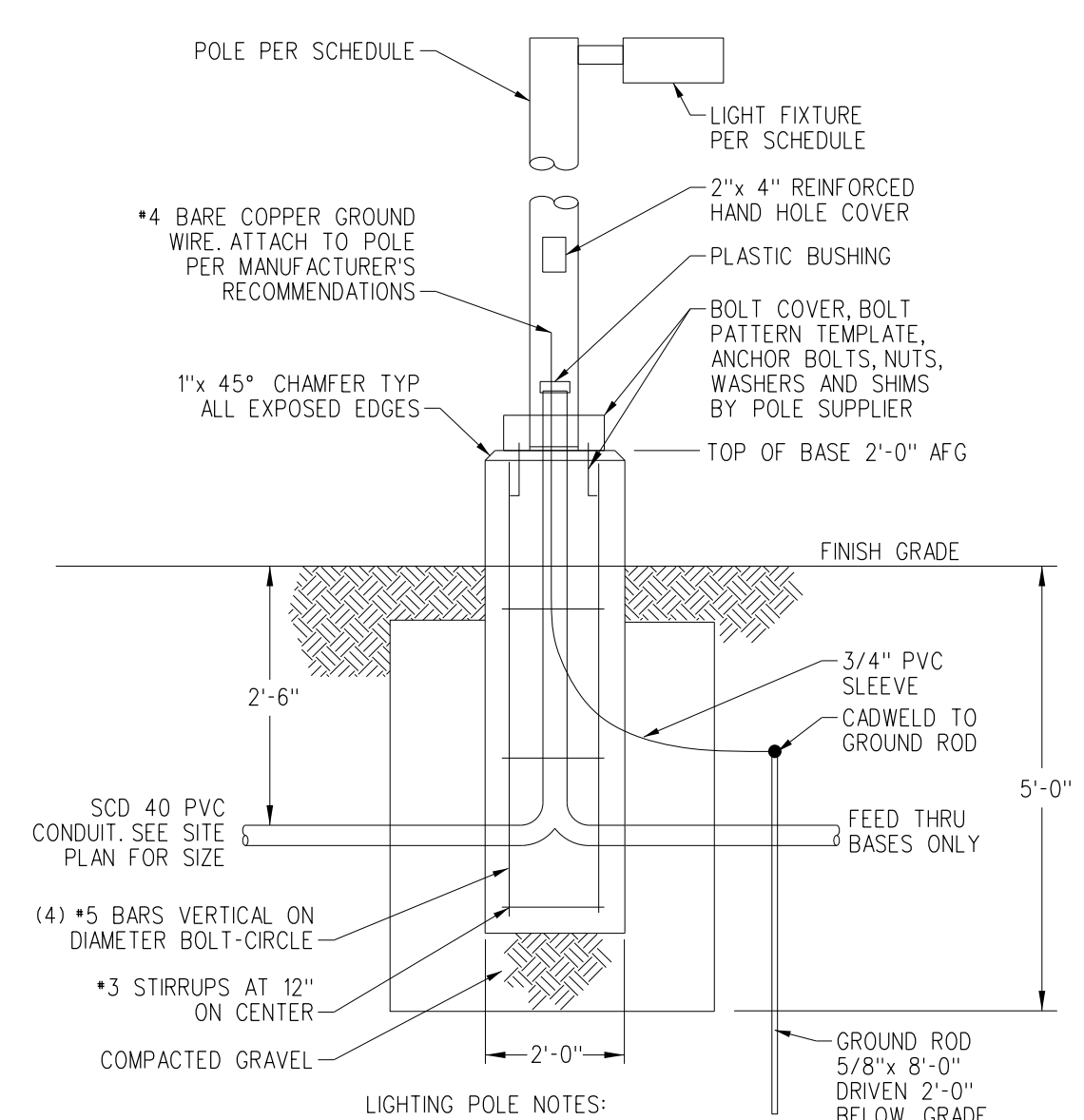
SECONDARY ELECTRICAL DUCT BANK SECTION  
SCALE: NONE

- NOTES:
- USE RIGID STEEL GALVANIZED LONG SWEEPS AND RIGID STEEL GALVANIZED CONDUIT FROM DUCT BANKS INTO EQUIPMENT PADS.
  - SITE LIGHTING CONDUIT 30" BELOW GRADE. CONCRETE ENCASED UNDER ROADWAYS. OTHER SITE CONDUITS SIMILAR BUT SMALLER TRENCH AND CONDUIT SIZES AS INDICATED.

PANEL LP 120/240 1PH 3W 225AMP BUS - MCB 22K AIC NEMA TYPE 3R													
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	P	CA	DF	DA
1	WALKWAY LIGHTING	20	2	2	0.80	2	2						0
3							4						0
5	WALKWAY LIGHTING	20	2	2	0.80	2	6						0
7							8						0
9	WALKWAY LIGHTING	20	2	2	0.80	2	10						0
11							12						0
13	LIGHTING CONTACTOR	20	1	2	1.00	2	14						0
15	SPARE	20	1			0	16						0
17	SPARE	20	1			0	18						0
19	SPARE	20	1			0	20						0
21	SPARE	20	1			0	22						0
23	SPARE	20	1			0	24						0

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER AND MODEL NUMBER	LAMP INFO	REMARKS
S1	CRYSTAL LIGHTING CAT# CLP-3071-40IND-35-120/277-BLK-CFL, POLE CAT# HAPCO RTA12CA4	INDUCTION 40W	COLOR TO MATCH EXISTING FIXTURES
S2	CRYSTAL LIGHTING CAT# SM-CLC-3042-10W-15CLED-35-MV-BZ	LED	



- LIGHTING POLE NOTES:
- POLE BASE MAY BE PRECAST.
  - PANT EXPOSED CONCRETE WITH (2) TWO COATS OF BRONZE MASONRY PAINT.
  - CONCRETE WITH AIR ENTRAINMENT AGENT. 4000 P.S.I. AFTER 30 DAYS.
- POLE BASE DETAIL  
SCALE: NONE

BREWER RIVERWALK  
Brewer, ME 04412  
Electrical Site Plan

Date Drawn: 12/15/2017

Drawn By: SAJ

Checked By: SAJ

- Revision:
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BEI Project No: 4017

Scale:

Sht Num: E-3