

Supplemental Supporting Information for a Finding of Effect

Project: Portland 18865.00

Scope: Multiuse Trail and Sidewalk Construction

Finding of Effect: **No Adverse Effect**

Purpose and Need

The purpose of the action is to improve pedestrian and bicyclist connectivity along West Commercial Street in downtown Portland.

The need for this project is because the existing pedestrian infrastructure at the project location is not ADA compliant and does not provide adequate space for both pedestrians and bicyclists within a heavily trafficked corridor.

Proposed Action

The proposed action includes the construction of a 9' bituminous multi-use path and the reconstruction of the existing 5'- 6' brick sidewalk along the frontage of the Star Match Building on West Commercial Street in downtown Portland. Path and sidewalk improvements are planned to meet ADA standards and existing obstructions would be relocated. A 2' brick buffer strip will be provided between the multi-use path and sidewalk, delineating the areas dedicated for pathway users vs. pedestrians accessing business fronts. On street parking and a buffered bike lane are also provided within the limits of work. Curb extensions will be implemented to shadow areas of parking and to provide an esplanade where utility poles can be relocated.

Federal Action

Federal funding.

Definition of Area of Potential Effect (APE)

The proposed project is located in Portland. The map below shows the APE.

PORTLAND 18865.00



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0.06 Miles
1 inch = 0.07 miles

Date: 6/5/2020
Time: 1:20:02 PM

Multi-use Path & Sidewalk Improvements

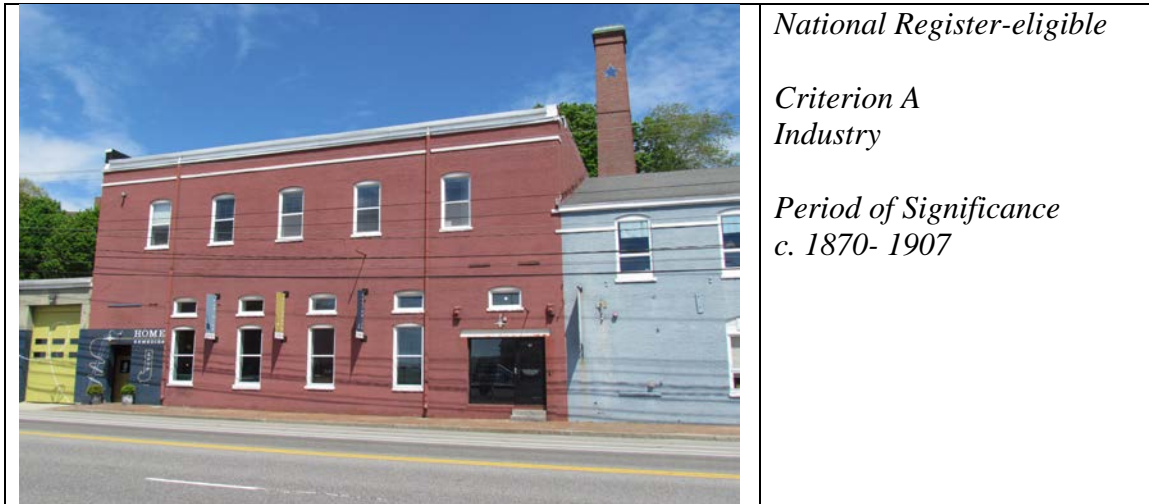
APE

Figure 1. Portland 18865.00 Area of Potential Effect

Historic Properties

The proposed project is located in Portland. The following descriptions of historic properties found within the project area are based on Maine Historic Preservation Commission (MHPC) survey forms and National Register of Historic Places nomination forms.

Portland Star Match Company Building (65-89 West Commercial Street, J. B. Brown & Sons, Sta. 127+50L – 131+15L)



The Portland Star Match Company Buildings are eligible for listing in the National Register under Criterion A, Industry, on the local level. The seven buildings were built over a period of 30 years. The company was organized in September 1866 and was originally located in the Back Bay (in Clapp's building) before a fire led the owners to build a new factory on West Commercial Street. It was constructed to be fireproof, with brick walls, an iron roof, and concrete floors. The interior was divided into 6 rooms that could be closed off in case of fire. The business experienced such success that in 1873 an addition measuring 40 by 60 feet was constructed. By 1875 they employed 75 workers, mostly women. Four additional buildings were added c.1895 and the seventh was built c.1905. The Portland Match Company had their own lumber mill behind the factory adjacent to the Boston & Maine Railroad tracks. Raw timber was off-loaded from the train and turned into thin sheets at the yard before it was sent up to the factory. Portland Star matches were sold primarily in New England but were also shipped overseas. By 1891 the company employed 150 people. They were purchased by Diamond Match in 1907. There has been some loss of integrity of design and materials due to the installation of vinyl replacement windows, some of which are undersized for their openings. Other openings have been filled in. Despite these alterations, the Portland Star Match Company Building is a largely intact representation of one of the industries that existed along Portland's waterfront in the late nineteenth and early twentieth centuries and is one of the few remaining structures from this time.

Archeological Resources

There are no archaeological resources in the project area.

Impacts to Property

The following addresses potential impacts to properties as a result of the proposed action.

Portland Star Match Company Building (65-89 West Commercial Street, J. B. Brown & Sons, Sta. 127+50L – 131+15L)

National Register-eligible

Criterion A, Industry

The proposed action would result in **No Adverse Effect** to the Portland Star Match Company Buildings. The proposed action would include the in-kind reconstruction of the existing brick sidewalk. The existing granite curb would be reinstalled, and the existing granite steps and granite garage entrances would be maintained and/or reinstalled. The proposed 9' bituminous multi-use path would be separated from the sidewalk by a 2' brick buffer strip that would delineate the areas dedicated for pedestrians and pathway users. The two existing utility poles would be relocated to narrow bump-outs at Sta. 128+00L and Sta. 130+15L in order to achieve ADA compliance. The addition of the two new bump-outs would not significantly impact the setting, as existing bump-outs of similar design and materials already exist within this travel corridor. These actions would not significantly diminish the resource's aspects of integrity.

Archaeological Resources

No archaeological properties would be affected by the proposed undertaking.

Avoidance and Minimization Efforts

The proposed action avoids any physical impacts to National Register-eligible buildings. Minimization efforts were made by maintaining and reconstructing existing granite steps and garage entrances, while also replacing existing sidewalk and curb materials in-kind. The addition of the 2' brick buffer between the sidewalk and new multi-use path minimizes visual impacts by using materials that are present at the location.

Dismissed Alternatives

No Build

The No Build alternative takes no action and does not meet the purpose and need of the project and was therefore removed from further consideration.

Proposed Materials

HMA, granite curbing, granite threshold, brick.

Public Involvement

MaineDOT hosted a virtual public meeting on January 13, 2021. There were no concerns regarding historic resources reported at that time.

MaineDOT contacted the four federally recognized Maine Native American Tribes. The Houlton Band of Maliseets and the Penobscot Nation replied with no concern.

Public involvement is ongoing.

Plans

Portland, Cumberland County, West Commercial Street Multi-Use Path and Sidewalk Improvements, WIN 18865.00, January 28, 2021.

Attachments

Art Spiess, MHPC, to Julie Senk, MaineDOT, March 16, 2018.

Kirk F. Mohny, MHPC, to Julie Senk, MaineDOT, August 11, 2020.



MAINE HISTORIC PRESERVATION COMMISSION
55 CAPITOL STREET
65 STATE HOUSE STATION
AUGUSTA, MAINE
04333

PAUL R. LEPAGE
GOVERNOR

KIRK F. MOHNEY
DIRECTOR

March 16, 2018

To: Ms. Julie Senk, MDOT/ESD

From: Arthur Spiess, Senior Archaeologist

A handwritten signature in black ink, appearing to read 'ASpiess', written over a horizontal line.

Subject: WIN 18865.00, bicycle/pedestrian path connecting to existing Fore River Parkway trail, Portland (MHPC 0323-18)

After reviewing our archaeological survey records and maps, including historic maps and surficial geology maps, and comparing this information with a predictive model of archaeological site locations, we find that no archaeological fieldwork is necessary for this project, based on the project location and general project description information received with your memo of March 5, 2018. It is extremely unlikely that an archaeological site would be affected by this project, in our opinion.

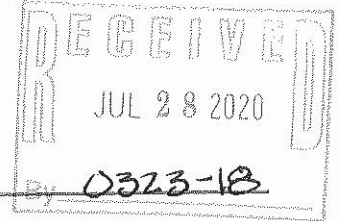
In following the procedures specified in the Federal Highway/MHPC/MDOT programmatic agreement, we **recommend a finding “that there will be no archaeological properties affected by the proposed undertaking.”**

STATE OF MAINE

Memorandum

Date: July 27, 2020

To: Kirk F. Mohney, MHPC
From: Julie Senk, Maine DOT/ENV
Subject: Section 106 request for concurrence
Project: Portland 18865.00, MHPC #0323-18
Scope: Multiuse Trail and Sidewalk Construction



The Maine DOT has reviewed this project pursuant to the Maine Programmatic Agreement (PA) and Section 106 of the National Historic Preservation Act of 1966, as amended.

The proposed project is construction of a multiuse trail and sidewalk along Commercial Street in Portland.

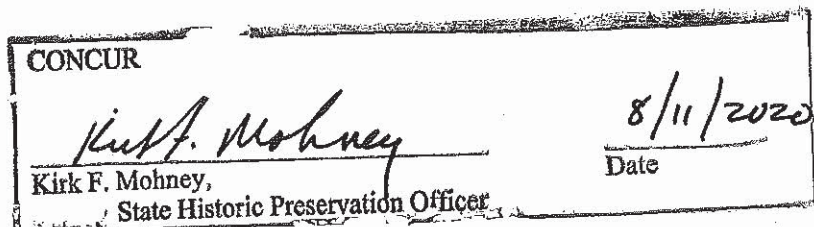
In accordance with 36 CFR Part 800.4, the following identification efforts of historic properties were made:

- 800.4(a) (1) – The Area of Potential Effect (APE) includes properties/structures adjacent to the bridge and within the project limits. The project limits are defined by the structure and the immediately adjacent area. Properties/structures adjacent to this project limit are considered to be within the APE. The APE is shown as a red polygon on the attached map.
- 800.4(a) (2) – Review of existing information consisted of researching the National Register and MHPC survey databases. The Maine Historic Preservation Commission Archaeological staff has reviewed this undertaking.
- 800.4(a) (3) – The City of Portland was contacted via letter and asked to comment on knowledge of, or concerns with, historic properties in the area, and any issues with the undertaking's effect on historic properties. The city was also requested to provide information regarding local historic societies or groups. No replies have been received to date.
- 800.4(a) (4) – Letters outlining project location and scope were sent to the 4 federally recognized Tribes in Maine. The Penobscot and Houlton Band of Maliseets replied with no concern.
- 800.4(c) – The Maine DOT conducted historic architectural surveys within the APE to determine if properties met National Register criteria. Maine Historic Preservation Commission Archaeological staff has reviewed the undertaking and recommended "a finding that there will be no archaeological properties affected by the proposed undertaking." **The MaineDOT has determined that 7 architectural properties are eligible for listing in the National Register of Historic Places.**

In accordance with the PA and 36 CFR Part 800, please reply with your concurrence or objection to the determination of eligibility for listing in the National Register of Historic Places within 30 days. If more information is deemed necessary, please supply a list of the specific resources in question.

Please contact me at Julie.Senk@maine.gov or 592-3486 if you have any questions. Thank you.

cc: CPD e-file
enc: Architectural survey package



STATE OF MAINE DEPARTMENT OF TRANSPORTATION

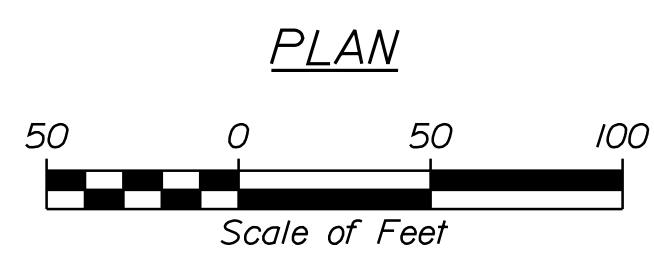
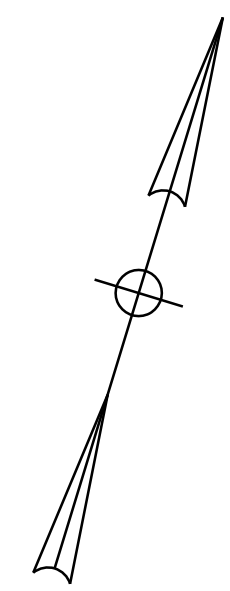
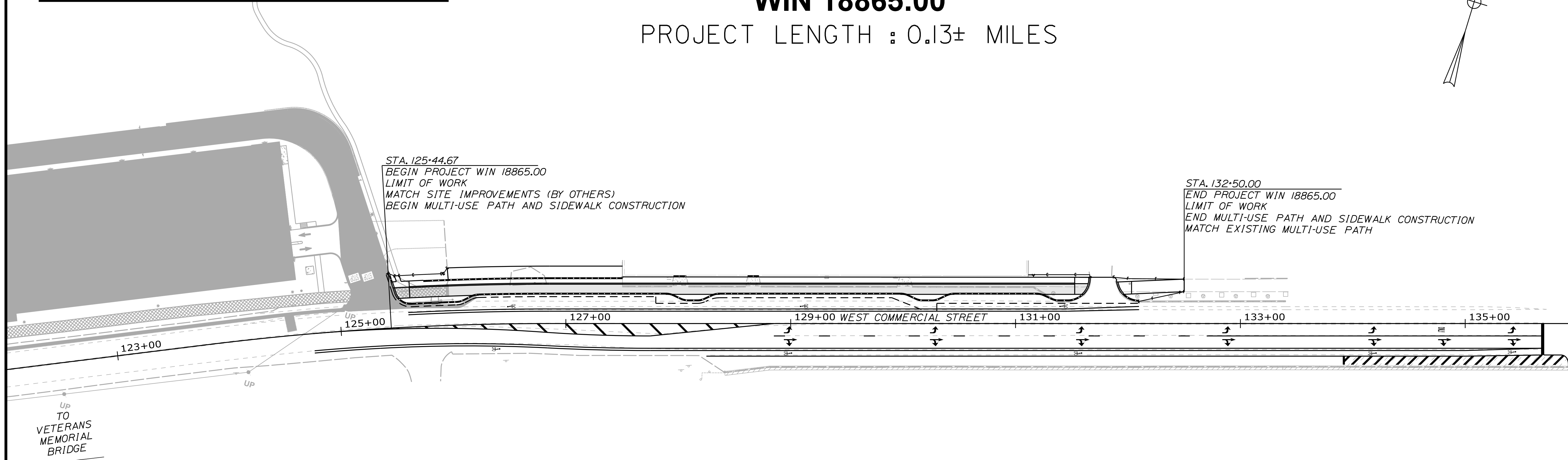


PORTLAND CUMBERLAND COUNTY

WEST COMMERCIAL STREET
MULTI-USE PATH AND
SIDEWALK IMPROVEMENTS
WIN 18865.00
PROJECT LENGTH : 0.13± MILES

Description	Sheet No.
Title Sheet	1
Typical Sections	2
Special Details	3
General Plans	4-5
Striping Plans	6-7
Cross Sections	8-13

PLAN LEGEND	
Town, County, State	-----
Property Lines	-----
R/W Lines-Existing	-----
R/W Lines-Proposed	-----
Culvert-Existing	-----
Culvert Proposed	-----
Curbing	Existing Proposed
Type 1	-----
Type 3	-----
Type 5	-----
Outline of Bodies of Water	-----
Exposed Bedrock	-----
Buildings	-----
Trees	Conifer Deciduous
Tree Line	-----
Clearing Limit Line	-----
Railroad	-----
Catch Basins	Existing Proposed
Manholes	Existing Proposed
Proposed Underdrain	-----
Proposed Ditch	-----
Existing Ditch	-----
Utility Poles	Existing Proposed
Fire Hydrants	Existing Proposed
Existing Water Line	-----
Existing San. Sewer	-----
Existing San. Sewer Manhole	-----
Guardrail-Existing	-----
Guardrail-Proposed	-----
Guardrail-Cable, Other	-----
Centerline-Existing	-----
Centerline-Proposed	-----
Travelway-Existing	-----
Travelway-Proposed	-----
Boring	HB-XXX-###
Pavement Core	PC-#
Test Pit	TP-XXX-###
Probe	P-#.X
	#.# = Depth
	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)



FINAL PDR/PIC
 JANUARY 28, 2021



Relationships. Responsiveness. Results.
 www.gorrillpalmer.com
 207.772.2515

CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, MAINE 04101

PROJECT INFORMATION	
PROGRAM	MULTIMODAL / AP
PROJECT MANAGER	H. DONALDSON / B. KEIZER
DESIGNER	D. LETTINGER
CONSULTANT	GORRILL PALMER
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WEST COMMERCIAL STREET
 MULTI-USE PATH
TITLE SHEET

SHEET NUMBER
1
 OF 13

Filename: ... \000\Highway\001_Title.dgn
 Division: HIGHWAY
 Username: Trey, Warren
 Date: 1/28/2021

WIN 18865.00

TO
 PORTLAND
 DOWNTOWN &
 WATERFRONT
 DISTRICT

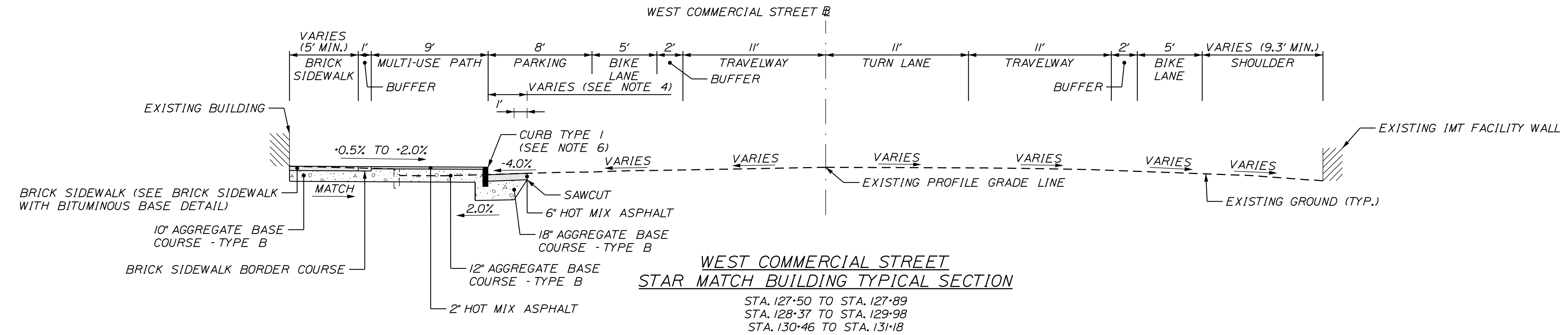
Date: 1/28/2021

Username: Trey Warren

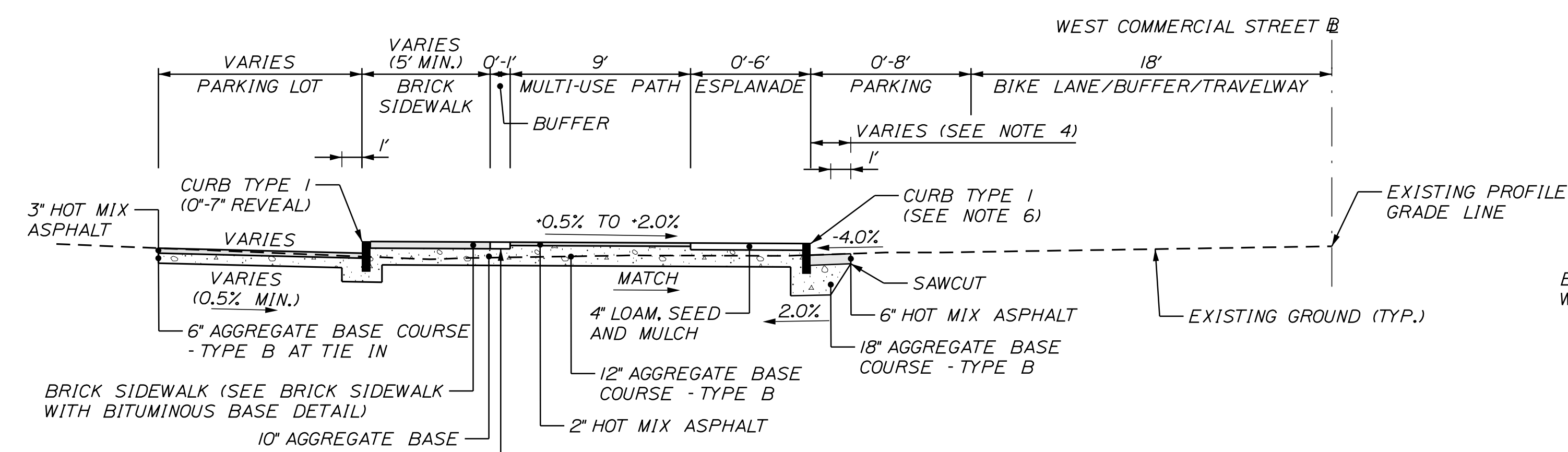
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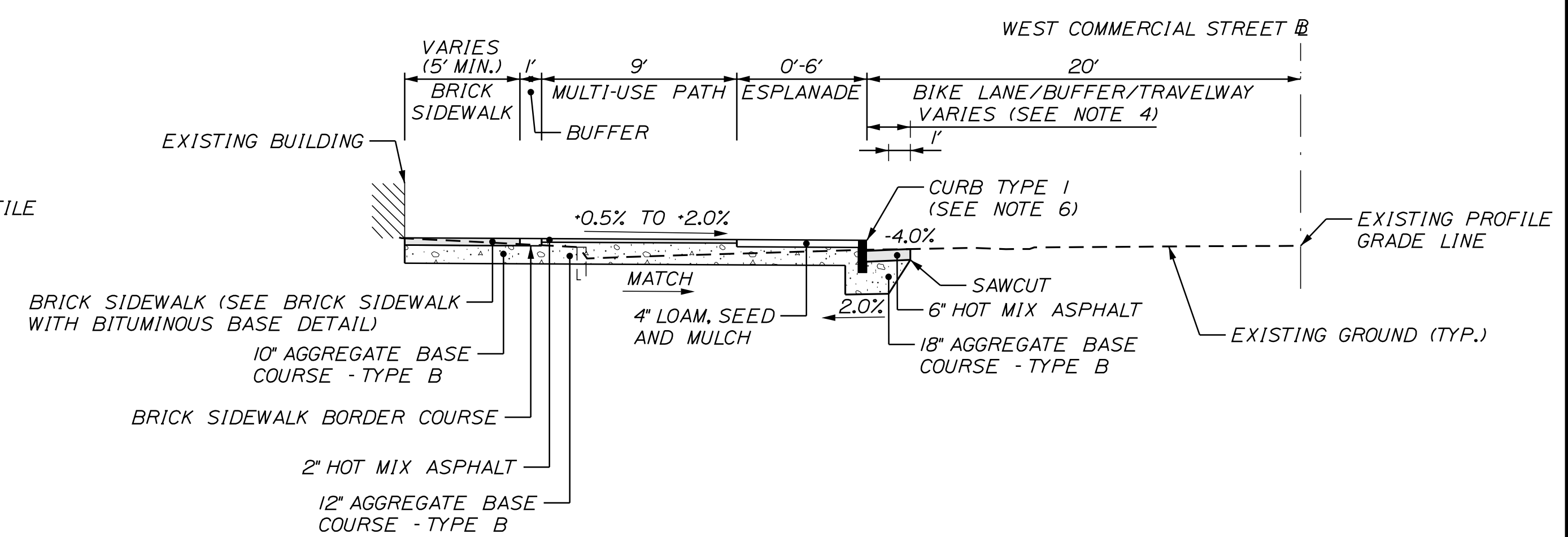
CITY OF PORTLAND
389 CONGRESS STREET
PORTLAND, MAINE 04101



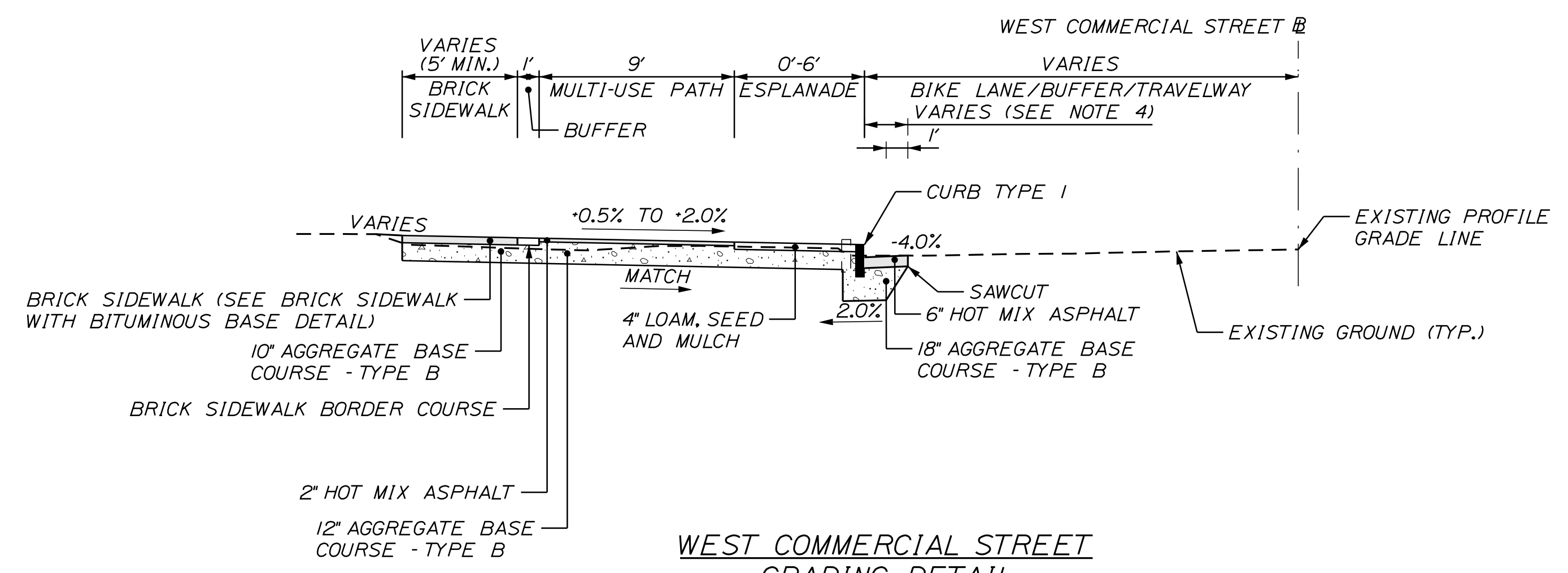
**WEST COMMERCIAL STREET
STAR MATCH BUILDING TYPICAL SECTION**
STA. 127+50 TO STA. 127+89
STA. 128+37 TO STA. 129+98
STA. 130+46 TO STA. 131+18



**WEST COMMERCIAL STREET
BACK CURB DETAIL**
STA. 125+75 TO STA. 127+50



**WEST COMMERCIAL STREET
CURB EXTENSION DETAIL**
STA. 127+89 TO STA. 128+37
STA. 129+98 TO STA. 130+46



**WEST COMMERCIAL STREET
GRADING DETAIL**
STA. 125+43 TO STA. 125+75
STA. 131+18 TO STA. 131+61

NOTES:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. THE STATIONING REFERENCED UNDER EACH TYPICAL IS APPROXIMATE.
3. THE SHOULDER PAVEMENT THICKNESS SHALL BE THE TRAVELWAY PAVEMENT THICKNESS, UNLESS OTHERWISE NOTED.
4. SAWCUT LOCATIONS VARY THROUGHOUT THE PROJECT. SEE GENERAL PLANS AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.
5. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE-TYPE B WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
6. CURB REVEAL AND CROSS SLOPES WILL VARY AS REQUIRED TO PROVIDE SUITABLE TIE IN ELEVATIONS AT FACE OF BUILDING OR BACK OF SIDEWALK. CURB REVEAL IS ANTICIPATED TO VARY BETWEEN 5" AND 7". CROSS SLOPES ARE ANTICIPATED TO VARY BETWEEN 0.5% AND 2.0% (SHALL NOT EXCEED 2.0%). SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION. ADJUSTMENTS TO DESIGN MAY BE COMPLETED AT THE DIRECTION OF THE RESIDENT.
7. BRICK SIDEWALK MATERIALS SHALL BE PINE HALL/PATHWAY LACHANCE ITEM #193623, BRICK PAVERS, OR APPROVED EQUAL IN ACCORDANCE WITH THE CITY OF PORTLAND SIDEWALK MATERIAL STANDARDS.
8. BRICK SIDEWALK BORDER COURSE SHALL BE COMPRISED OF PINE HALL, BRICK PAVERS, COLOR ALABASTER, OR APPROVED EQUAL.

NOT TO SCALE



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PROJ. MANAGER	DATE	BY	DATE	NO.	SIGNATURE	P.E. NUMBER	DATE
H. DONALDSON		T. WARREN		1			
DESIGN-DETAILED		D. ETINGER		2			
CHECKED-REVIEWED				3			
DESIGN-DETAILED				4			
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

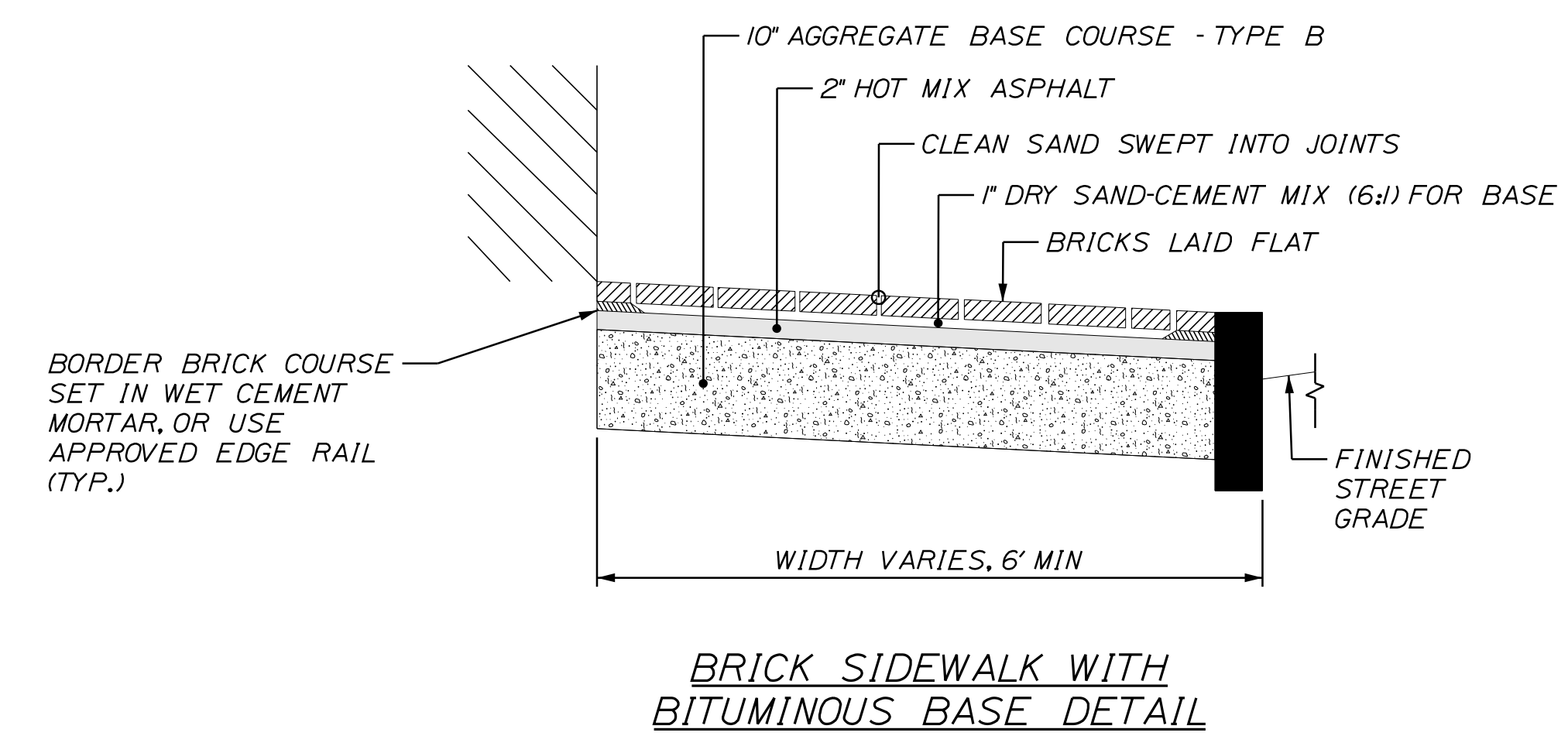
WEST COMMERCIAL STREET
MULTI-USE PATH
TYPICAL SECTIONS

SHEET NUMBER

2

OF 13

GARAGE DOOR THRESHOLD DETAIL TO BE DEVELOPED IN FINAL DESIGN



NOT TO SCALE



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WEST COMMERCIAL STREET
 MULTI-USE PATH
 SPECIAL DETAILS

SHEET NUMBER

3

OF 13

PROJ. MANAGER	H. DONALDSON	BY	T. WARREN	DATE	
DESIGN DETAILED	T. LANDRY	CHECKED	D. ETINGER	DATE	
DESIGN REVIEWED		DESIGN DETAILED		DATE	
DESIGN DETAILED		DESIGN DETAILED		DATE	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3		DATE	
REVISIONS 4		REVISIONS 4		DATE	
FIELD CHANGES		FIELD CHANGES		DATE	

CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, MAINE 04101

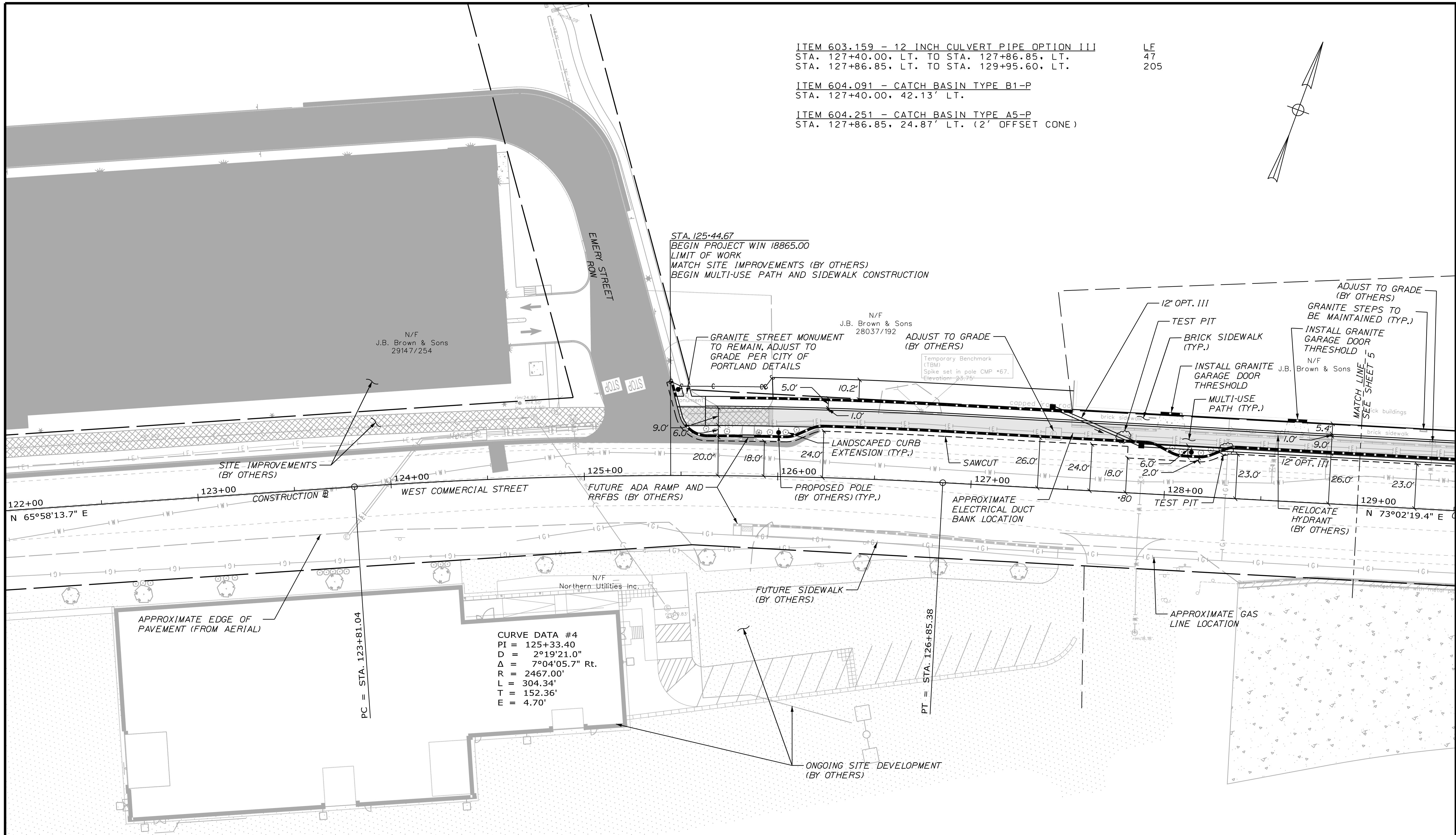
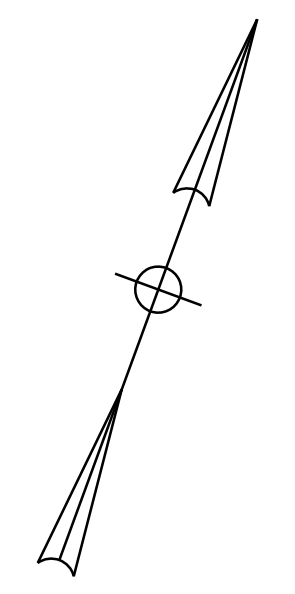
Date: 1/28/2021

Username: Trey Warren

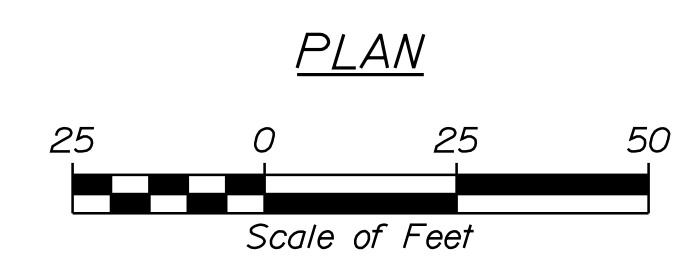
Division: HIGHWAY

Filename: ... \00\Highway\004_HDPlan01.dgn

- ITEM 603.159 - 12 INCH CULVERT PIPE OPTION III
STA. 127+40.00, LT. TO STA. 127+86.85, LT.
STA. 127+86.85, LT. TO STA. 129+95.60, LT. LF 47 205
- ITEM 604.091 - CATCH BASIN TYPE B1-P
STA. 127+40.00, 42.13' LT.
- ITEM 604.251 - CATCH BASIN TYPE A5-P
STA. 127+86.85, 24.87' LT. (2' OFFSET CONE)



CURVE DATA #4
 PI = 125+33.40
 D = 2°19'21.0"
 Δ = 7°04'05.7" Rt.
 R = 2467.00'
 L = 304.34'
 T = 152.36'
 E = 4.70'



CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, MAINE 04101

DATE	BY	REVISION	SIGNATURE	P.E. NUMBER	DATE
	T. WARREN	1			
		2			
		3			
		4			

WEST COMMERCIAL STREET
 MULTI-USE PATH
 GENERAL PLANS

SHEET NUMBER

4

OF 13



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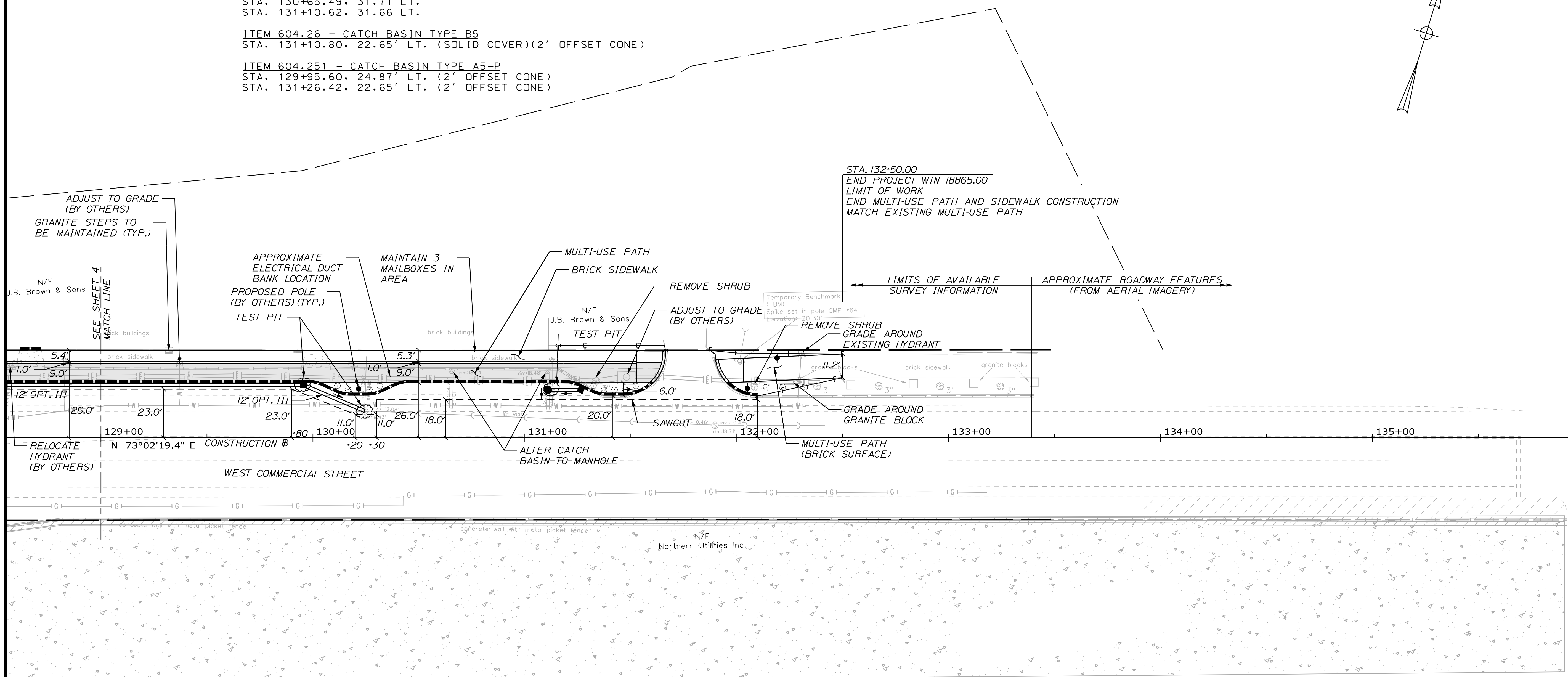
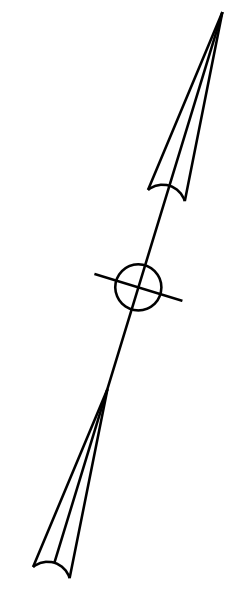
STATION	SIDE	DESCRIPTION	OPENING
131+77	LT	PAVED ENTRANCE	63'

ITEM 603.159 - 12" CULVERT PIPE OPTION III LF
 STA. 129+95.60, LT. TO STA. 130+24.41, LT. 28
 STA. 131+10.80, LT. TO STA. 131+26.42, LT. 13

ITEM 604.16 - ALTERING CATCH BASIN TO MANHOLE
 STA. 130+65.49, 31.71 LT.
 STA. 131+10.62, 31.66 LT.

ITEM 604.26 - CATCH BASIN TYPE B5
 STA. 131+10.80, 22.65' LT. (SOLID COVER)(2' OFFSET CONE)

ITEM 604.251 - CATCH BASIN TYPE A5-P
 STA. 129+95.60, 24.87' LT. (2' OFFSET CONE)
 STA. 131+26.42, 22.65' LT. (2' OFFSET CONE)

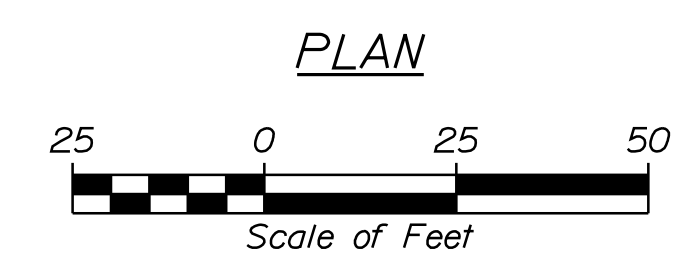


STA. 132+50.00
 END PROJECT WIN 18865.00
 LIMIT OF WORK
 END MULTI-USE PATH AND SIDEWALK CONSTRUCTION
 MATCH EXISTING MULTI-USE PATH

LIMITS OF AVAILABLE SURVEY INFORMATION
 APPROXIMATE ROADWAY FEATURES (FROM AERIAL IMAGERY)

Date: 1/28/2021
 Username: Trey Warren
 Division: HIGHWAY
 Filename: ... \00\Highway\005_HDPlan02.dgn

NOTES:
 1. SHOULDER CROSS SLOPES BETWEEN STATION 131+00 AND 131+50 SHALL VARY TO PROVIDE A LOWPOINT AT THE PROPOSED CATCH BASIN.



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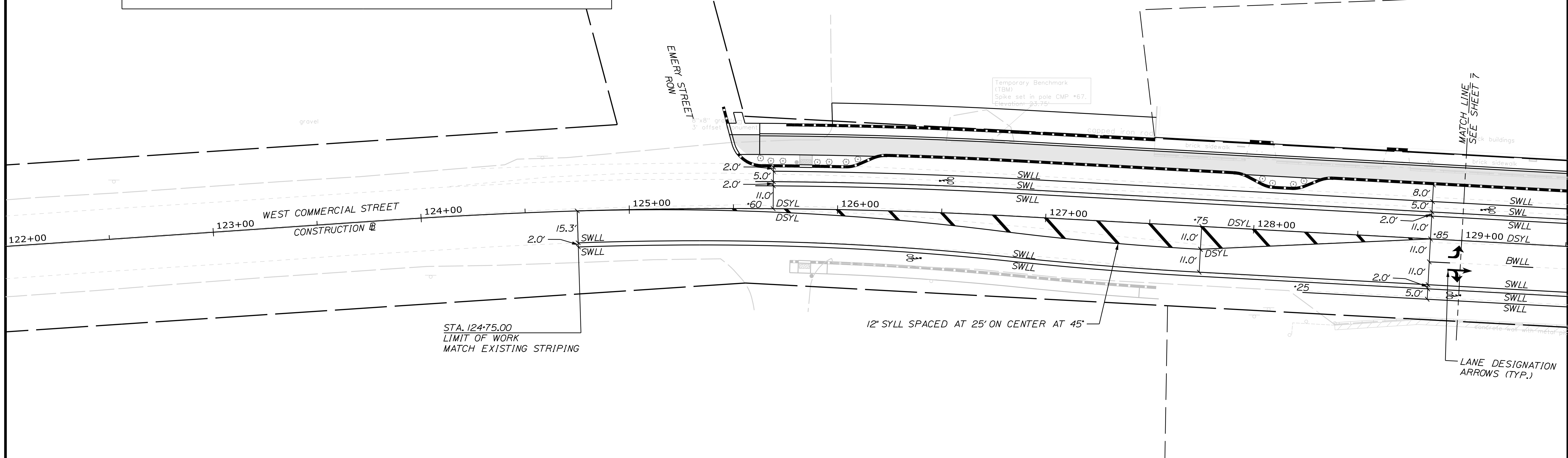
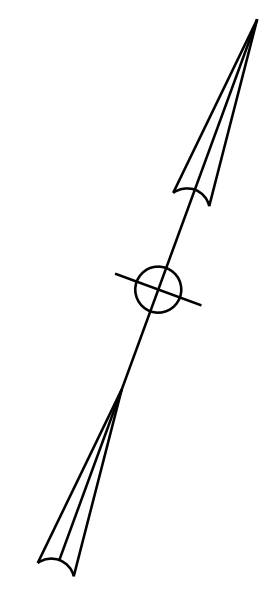
CITY OF PORTLAND
 389 CONGRESS STREET
 PORTLAND, MAINE 04101

PROJ. MGR.	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
H. DONALDSON	1/21	T. WARREN	1/21			
D. L. ANDREY		D. ETINGER				
DESIGN DETAILED						
CHECKED-REVIEWED						
DESIGN DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

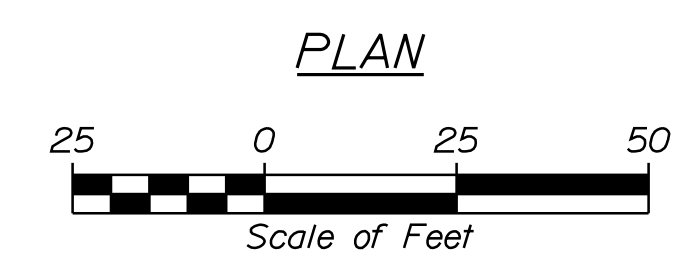
WEST COMMERCIAL STREET
 MULTI-USE PATH
 GENERAL PLANS

SHEET NUMBER
 5
 OF 13

LEGEND		
SWLL	4" SOLID WHITE LANE LINE	↑ STRAIGHT ARROW PAVEMENT MARKING
BWLL	4" BROKEN WHITE LANE LINE (30' SPACE, 10' LINE)	↶ LEFT ARROW PAVEMENT MARKING
SYLL	4" SOLID YELLOW LANE LINE	↷ RIGHT ARROW PAVEMENT MARKING
DSYL	4" DOUBLE SOLID YELLOW LINE	↷ SHARED STRAIGHT & RIGHT/LEFT ARROW PAVEMENT MARKING
SL	STOP LINE (24" WIDE)	↷ SHARED STRAIGHT & RIGHT/LEFT ARROW PAVEMENT MARKING
SWL	6" SOLID WHITE LANE LINE	ONLY "ONLY" PAVEMENT MARKING
		🚲 BIKE LANE PAVEMENT MARKING



NOTES:
1. ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED SHALL BE REMOVED IN ACCORDANCE WITH MAINEDOT SPECIFICATIONS.



CITY OF PORTLAND
389 CONGRESS STREET
PORTLAND, MAINE 04101

PROJ. MANAGER	H. DONALDSON	BY	DATE
DESIGN DETAILED	T. LANDRY	T. WARREN	
CHECKED-REVIEWED	D. ETINGER		
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WEST COMMERCIAL STREET
MULTI-USE PATH
STRIPING PLANS

SHEET NUMBER
6
OF 13



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 Division: HIGHWAY
 Username: Trey, Warren
 Date: 1/28/2021

Date: 1/28/2021

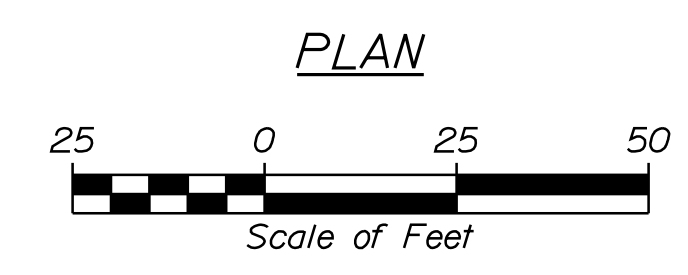
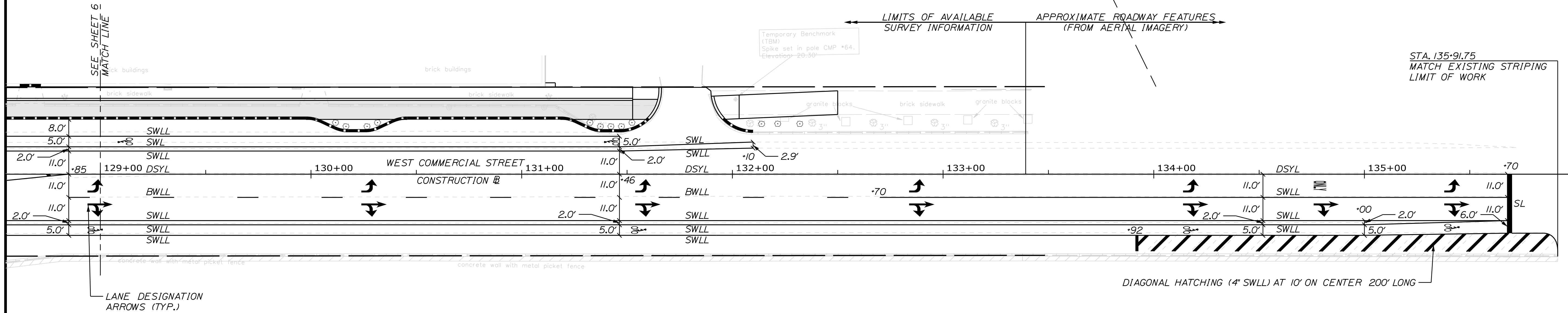
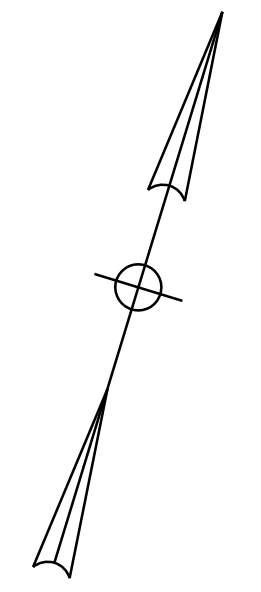
Username: Trey Warren

Division: HIGHWAY

Filename: ...\\000\Highway\007_SHDPlan02.dgn

CITY OF PORTLAND
389 CONGRESS STREET
PORTLAND, MAINE 04101

LEGEND		
SWLL	4" SOLID WHITE LANE LINE	↑ STRAIGHT ARROW PAVEMENT MARKING
BWLL	4" BROKEN WHITE LANE LINE (30' SPACE, 10' LINE)	↶ LEFT ARROW PAVEMENT MARKING
SYLL	4" SOLID YELLOW LANE LINE	↷ RIGHT ARROW PAVEMENT MARKING
DSYL	4" DOUBLE SOLID YELLOW LINE	↷ SHARED STRAIGHT & RIGHT/LEFT ARROW PAVEMENT MARKING
SL	STOP LINE (24" WIDE)	↷ SHARED STRAIGHT & RIGHT/LEFT ARROW PAVEMENT MARKING
SWL	6" SOLID WHITE LANE LINE	ONLY "ONLY" PAVEMENT MARKING
		🚲 BIKE LANE PAVEMENT MARKING



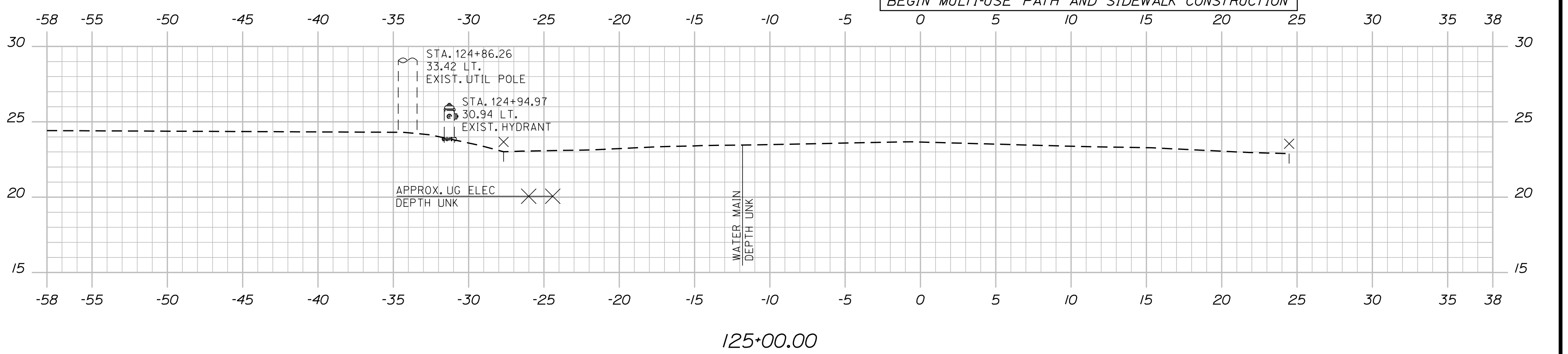
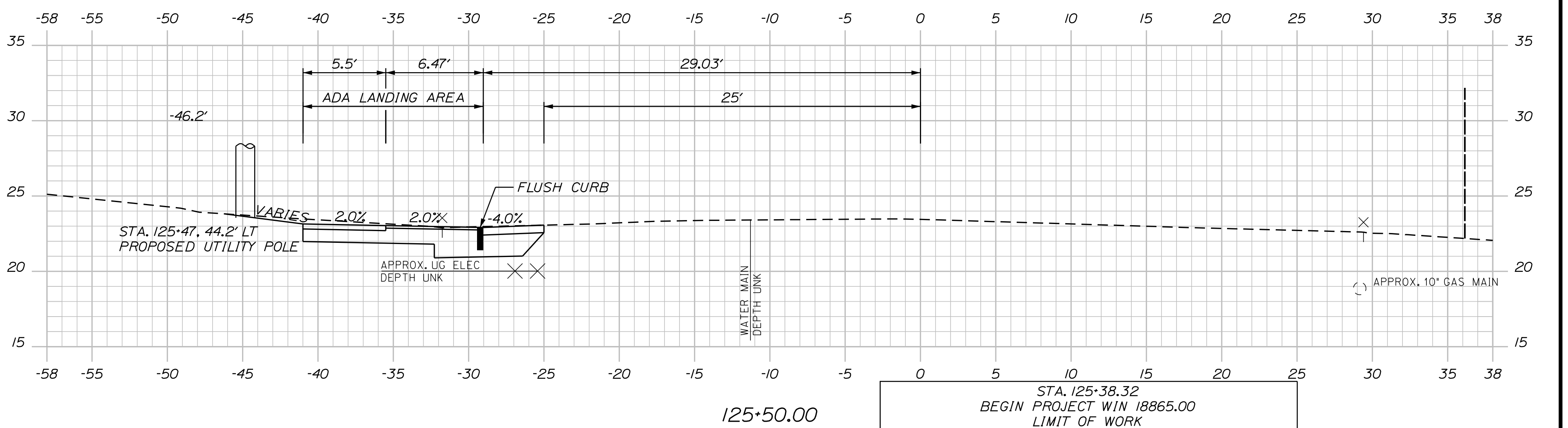
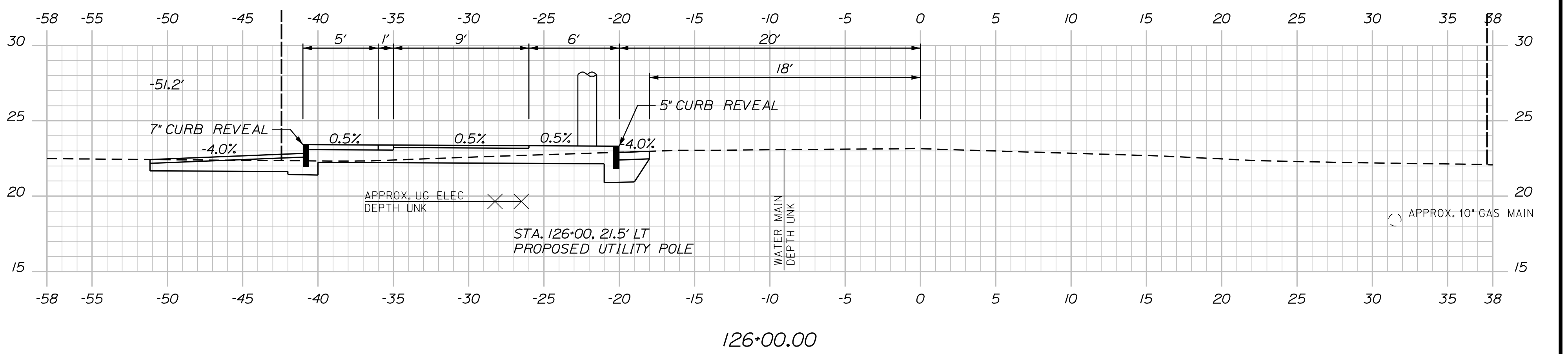
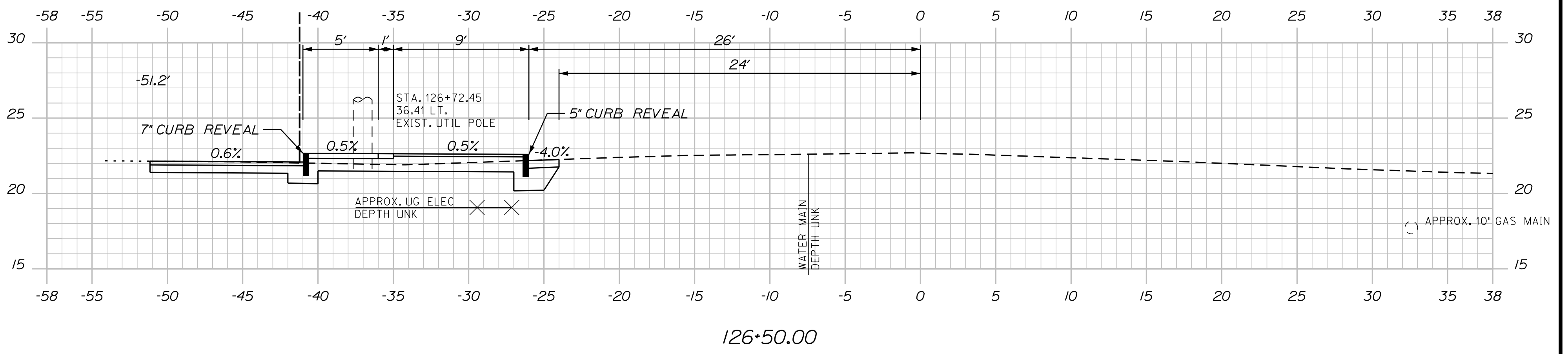
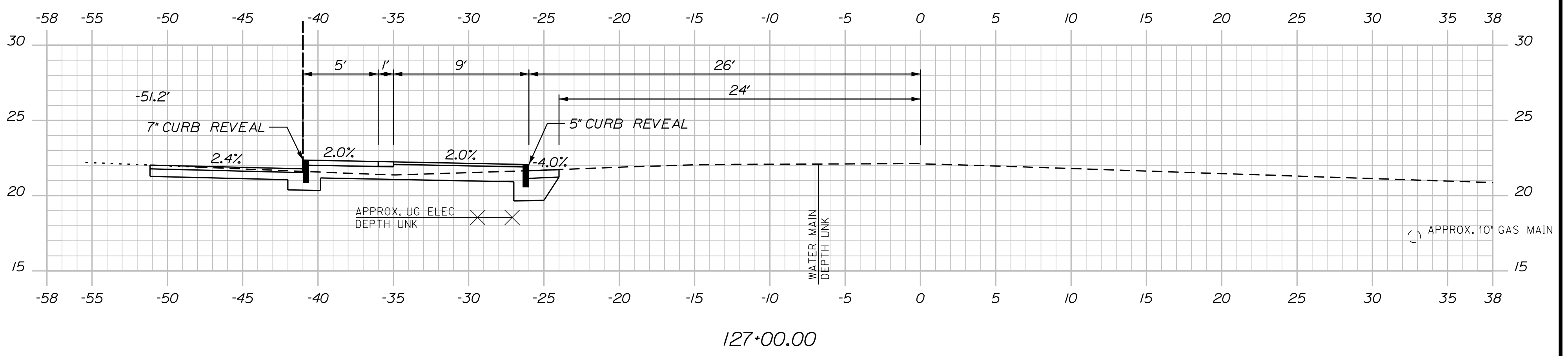
PROJ. MANAGER	DATE	BY	DATE
H. DONALDSON		T. WARREN	
DESIGN-DETAILED		D. L. ANDRY	
CHECKED-REVIEWED		D. ETINGER	
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WEST COMMERCIAL STREET
MULTI-USE PATH
STRIPING PLANS

SHEET NUMBER
7
OF 13



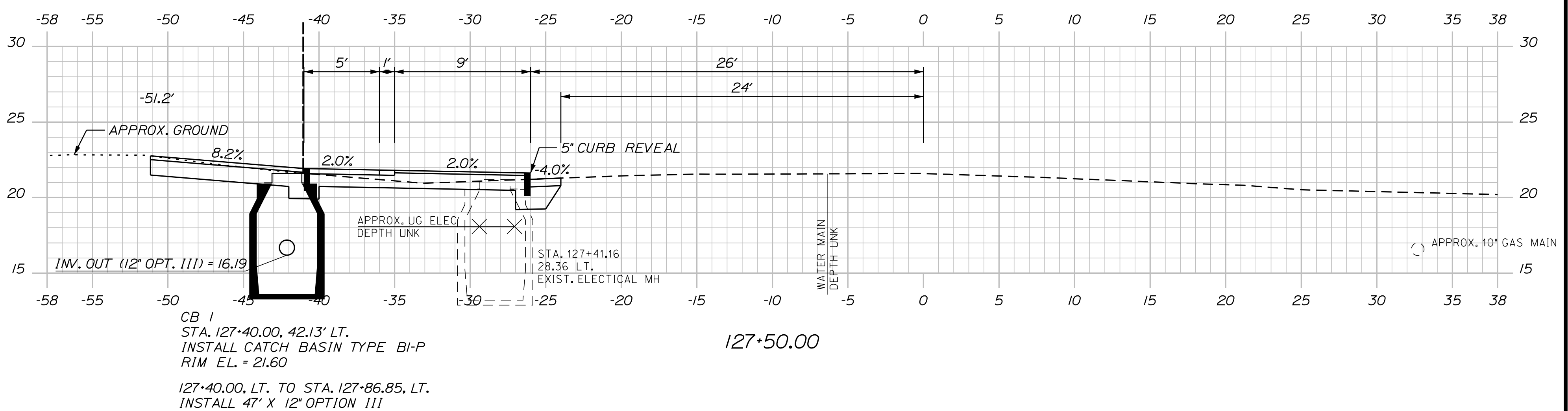
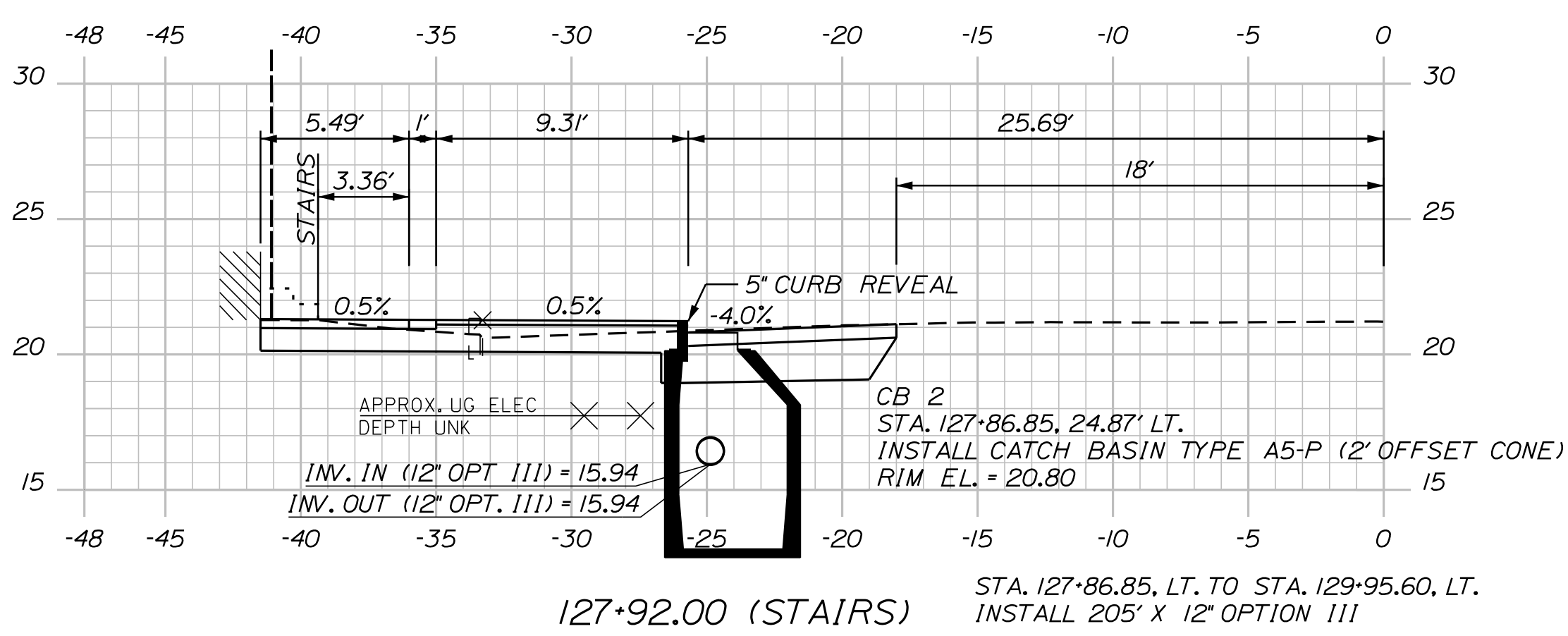
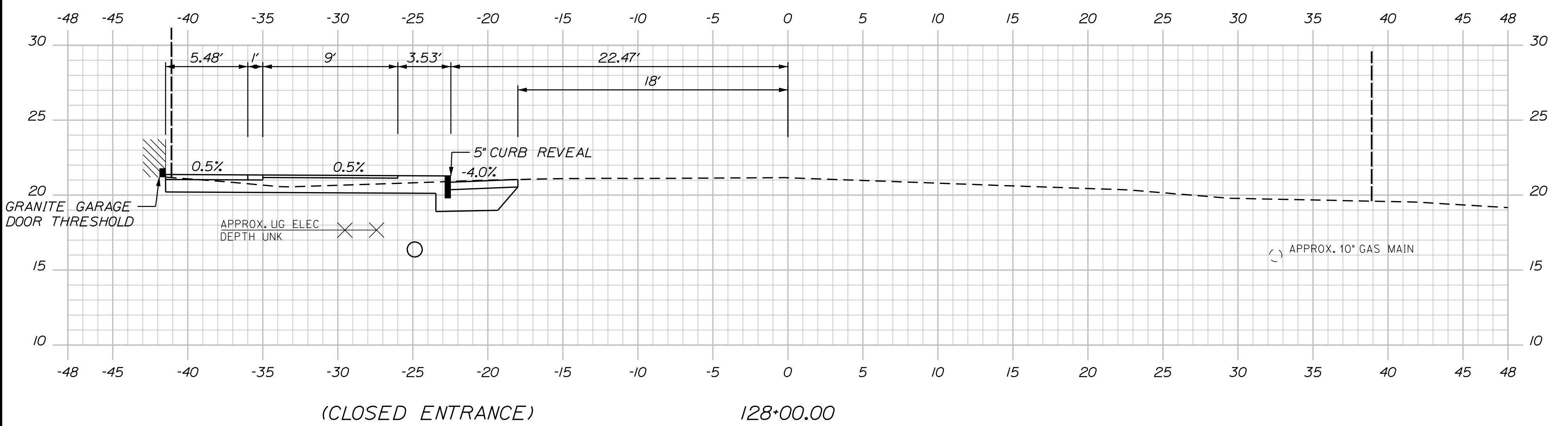
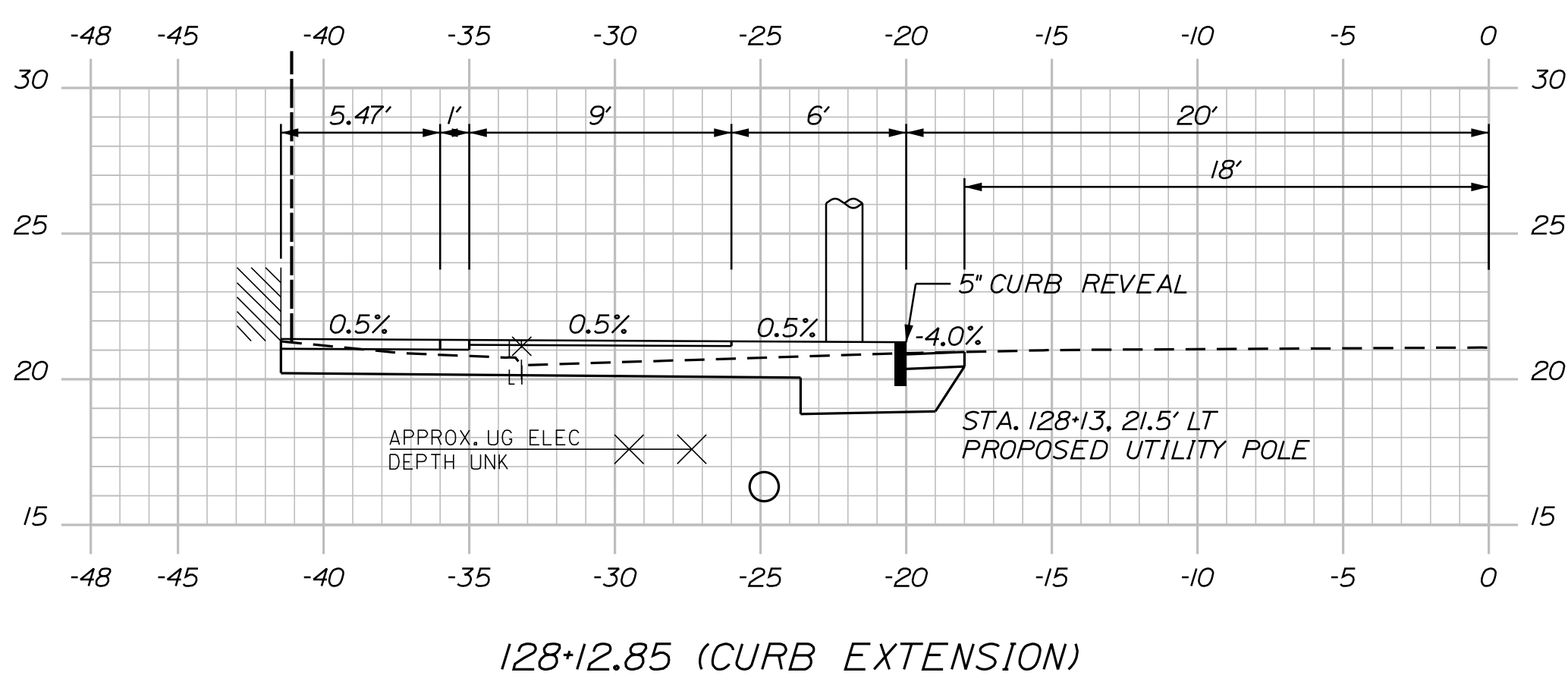
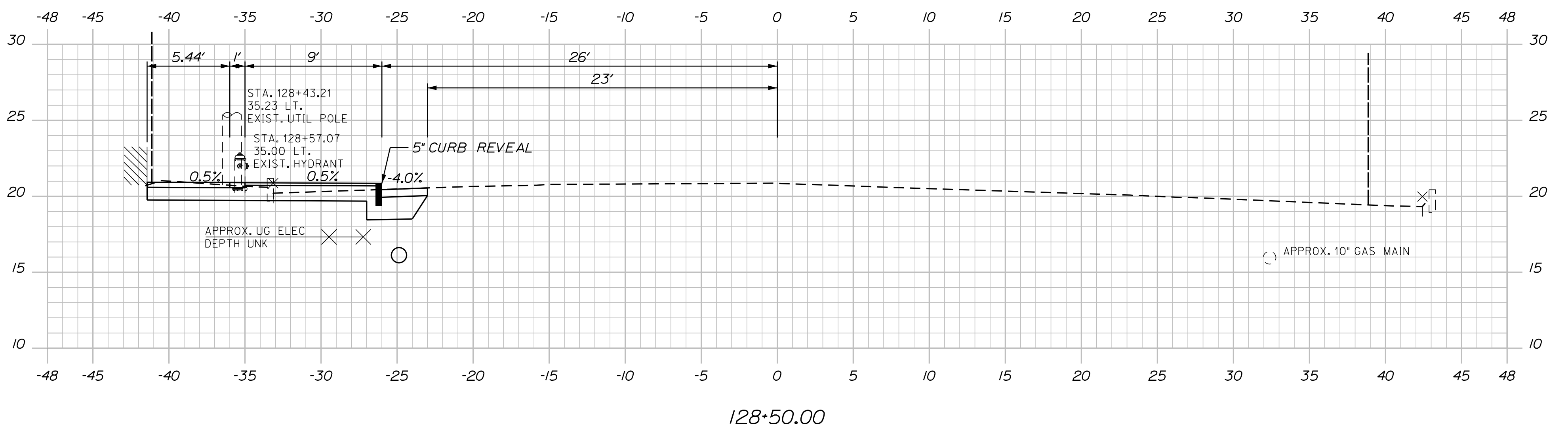
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STA. 125+38.32
 BEGIN PROJECT WIN 18865.00
 LIMIT OF WORK
 MATCH SITE IMPROVEMENTS (BY OTHERS)
 BEGIN MULTI-USE PATH AND SIDEWALK CONSTRUCTION

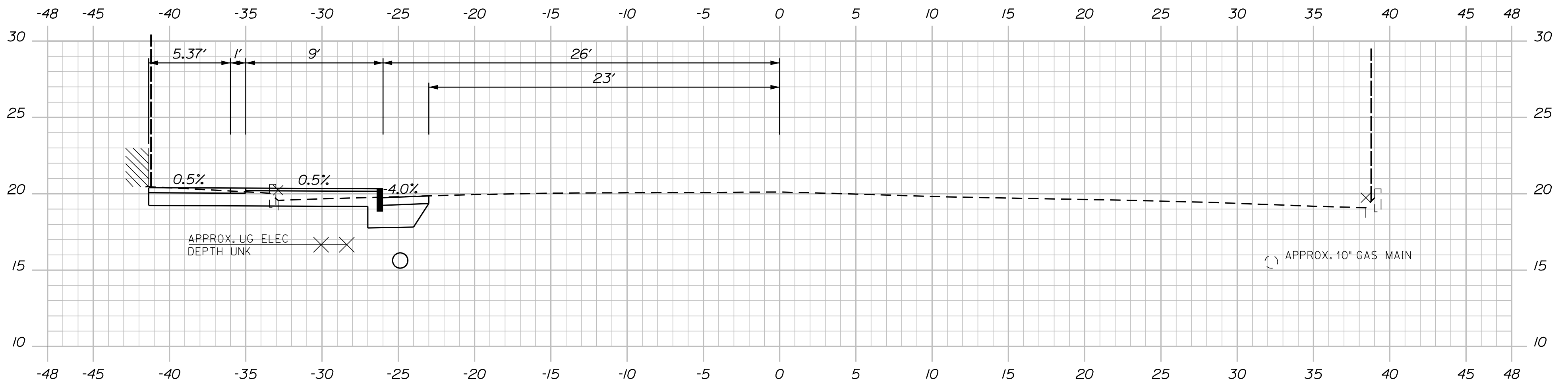
Sta. 125+00.00 to Sta. 127+00.00

OF 13 8 SHEET NUMBER	WEST COMMERCIAL STREET MULTI-USE PATH	PROJ. MANAGER H. DONALDSON BY T. WARREN DATE 1/21 DESIGN-DETAILED T. LANDRY T. WARREN 1/21 CHECKED-REVIEWED D. ETTINGER 1/21 DESIGN2-DETAILED2 - - - DESIGN3-DETAILED3 - - - REVISIONS 1 - - - REVISIONS 2 - - - REVISIONS 3 - - - REVISIONS 4 - - - FIELD CHANGES - - -	SIGNATURE _____ P.E. NUMBER _____ DATE _____	CITY OF PORTLAND 389 CONGRESS STREET PORTLAND, MAINE 04101
	CROSS SECTIONS			

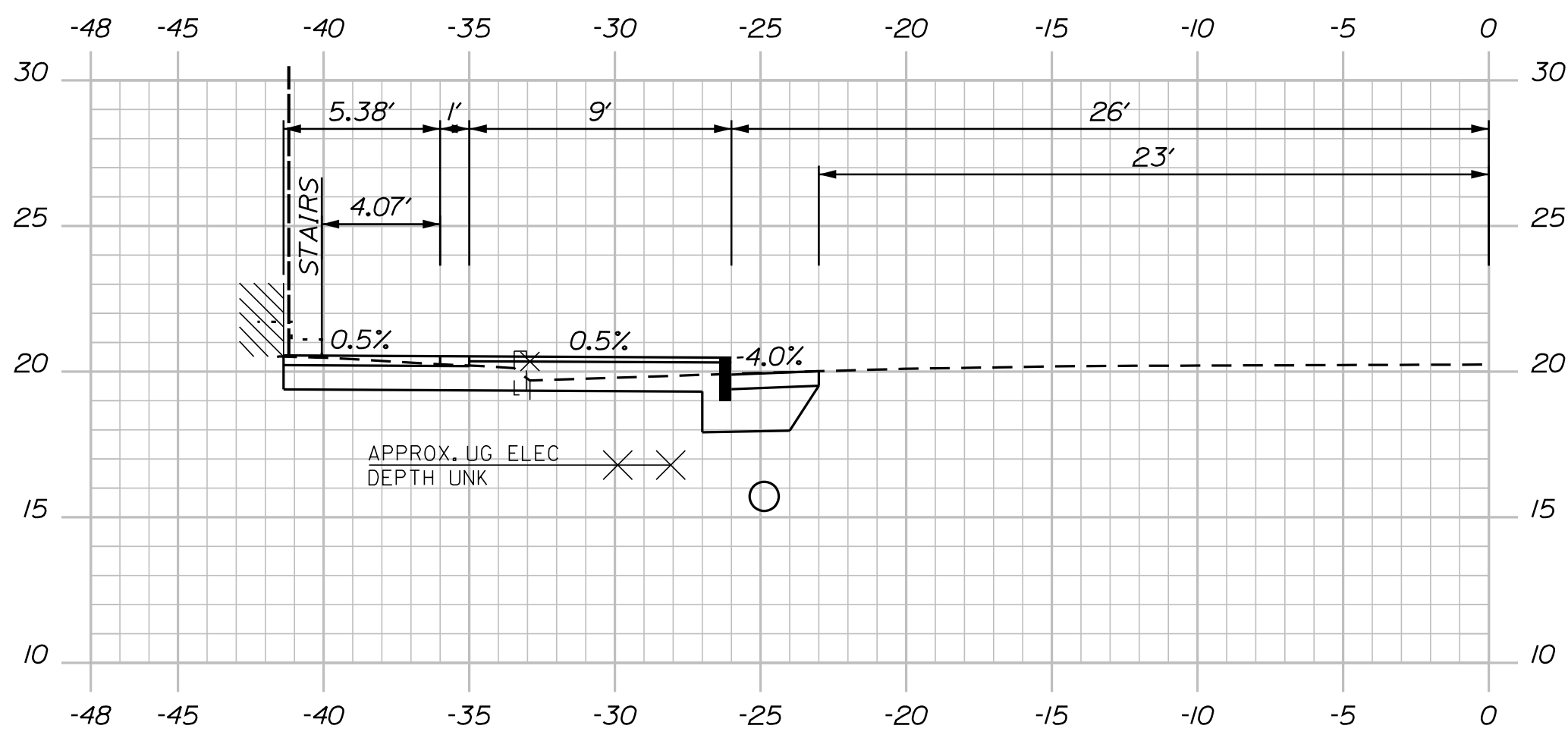


Sta. 127+50.00 to Sta. 128+50.00

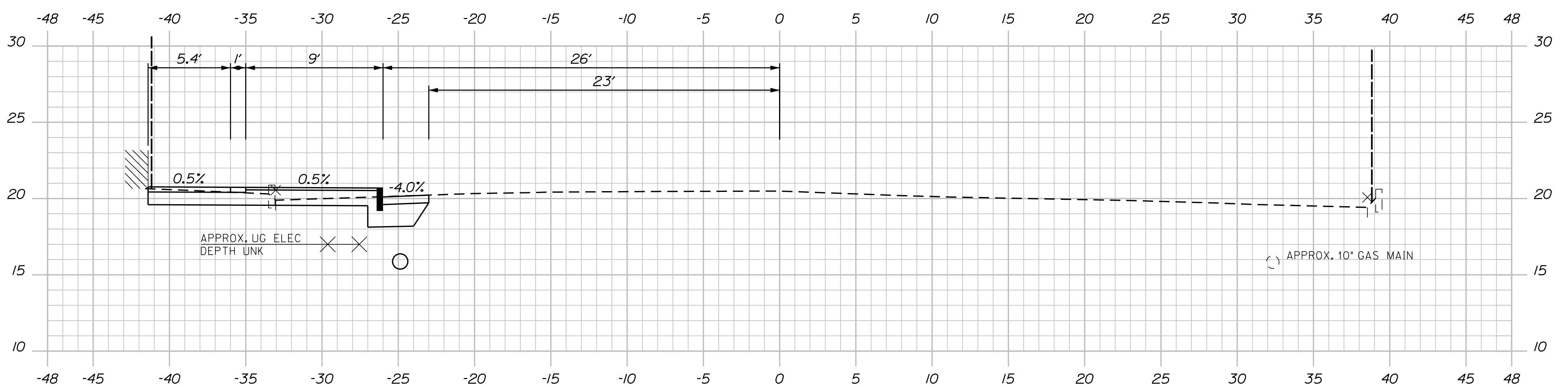
9 SHEET NUMBER OF 13	WEST COMMERCIAL STREET MULTI-USE PATH	PROJ. MANAGER H. DONALDSON DESIGN-DETAILED T. LANDRY T. WARREN 1/21 CHECKED-REVIEWED D. ETTINGER 1/21 DESIGN2-DETAILED2 - - - DESIGN3-DETAILED3 - - - REVISIONS 1 - - - REVISIONS 2 - - - REVISIONS 3 - - - REVISIONS 4 - - - FIELD CHANGES - - -	BY DATE SIGNATURE P.E. NUMBER DATE	CITY OF PORTLAND 389 CONGRESS STREET PORTLAND, MAINE 04101	
	CROSS SECTIONS				



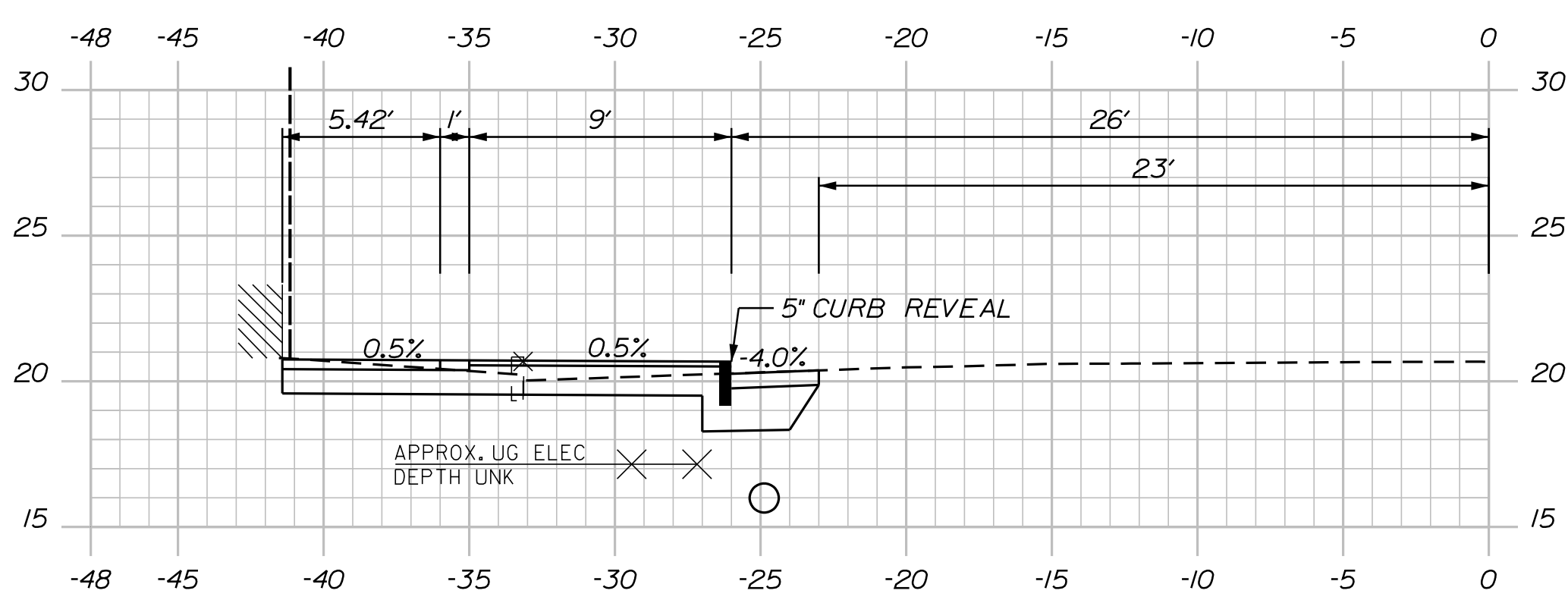
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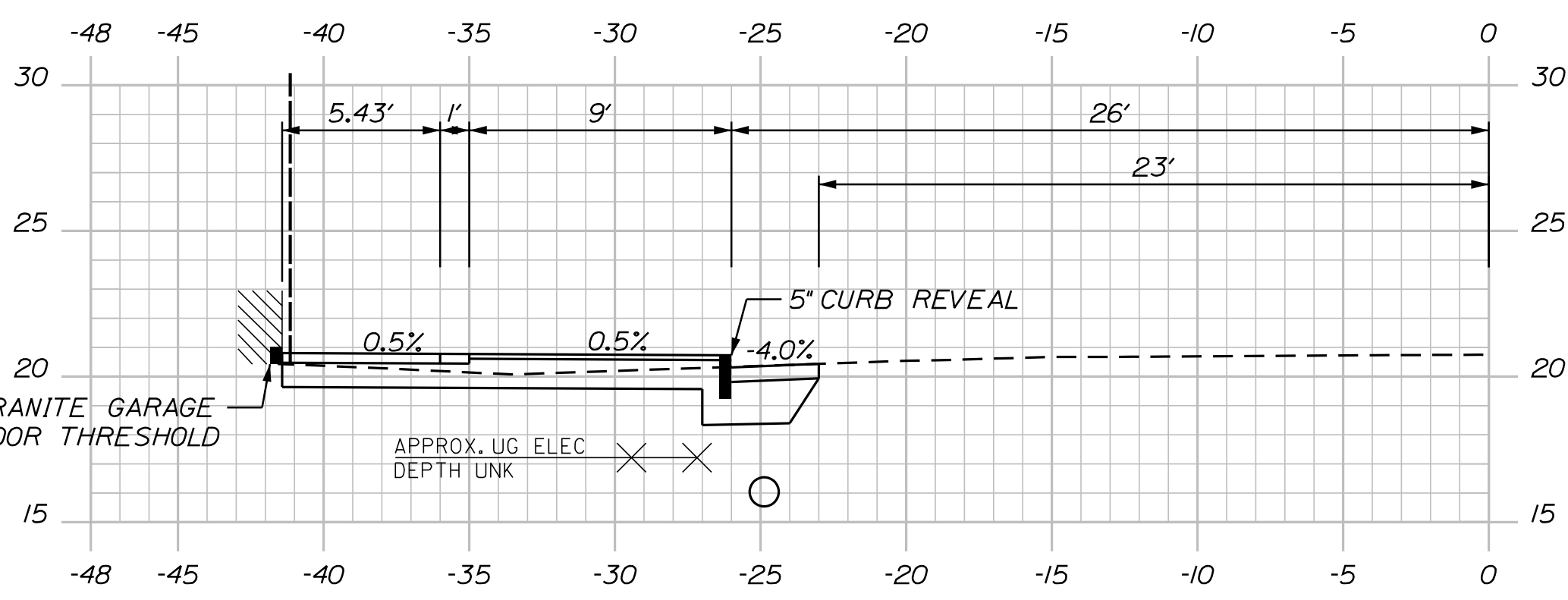
129+32.00 (STAIRS)



129+00.00



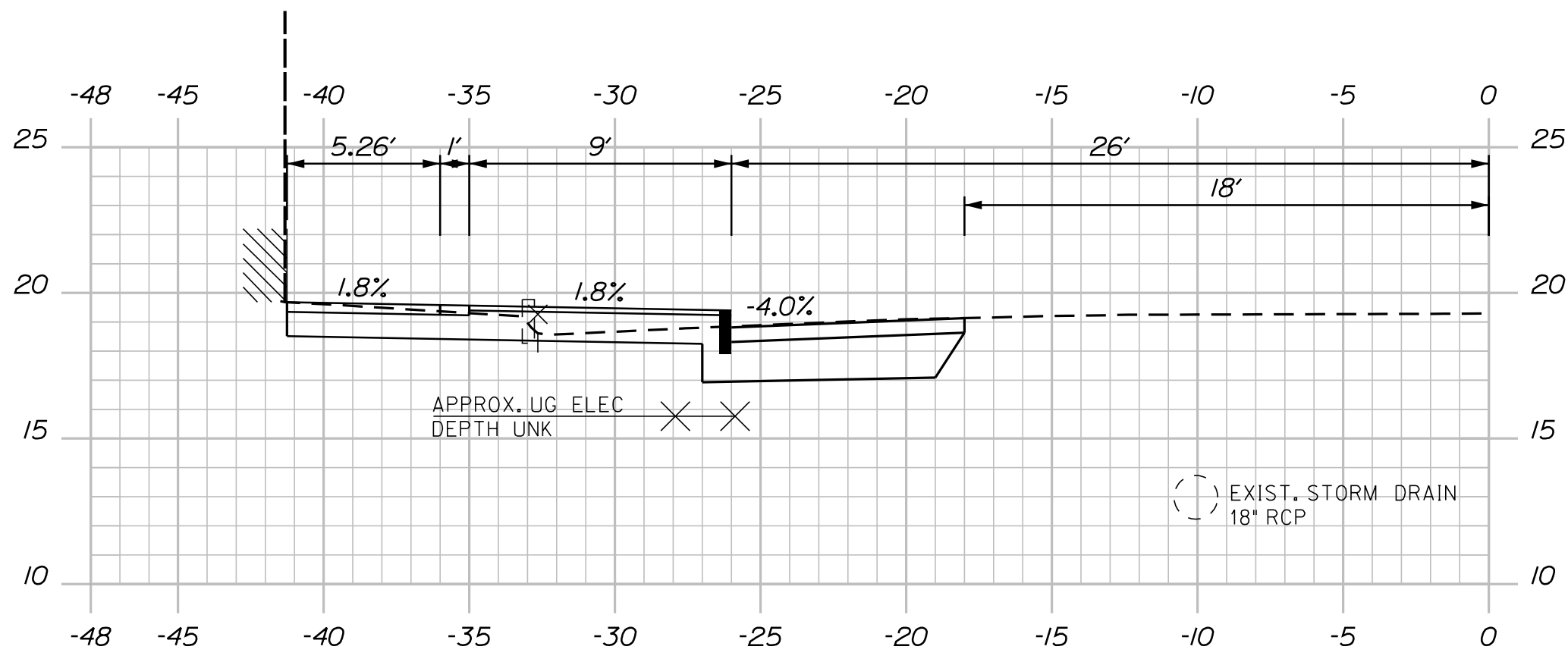
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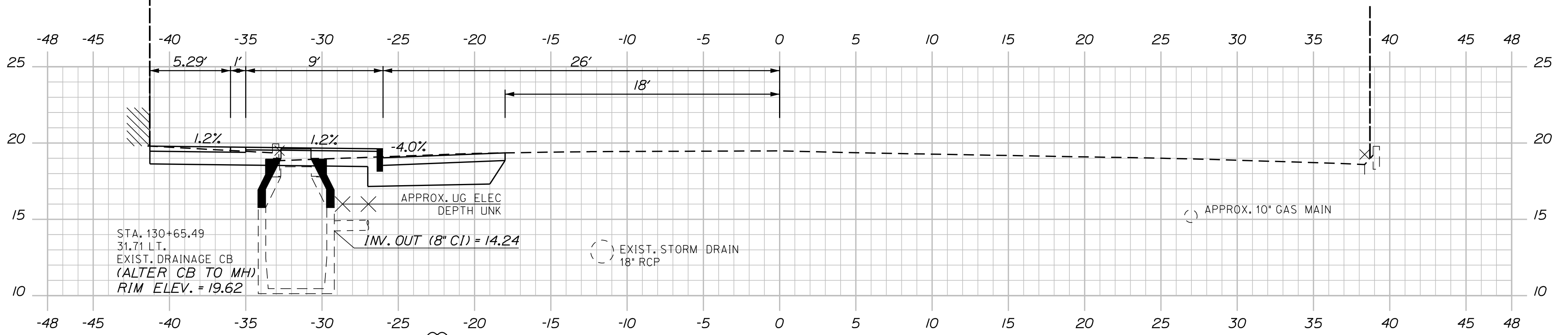
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Sta. 128+67.00 to Sta. 129+50.00

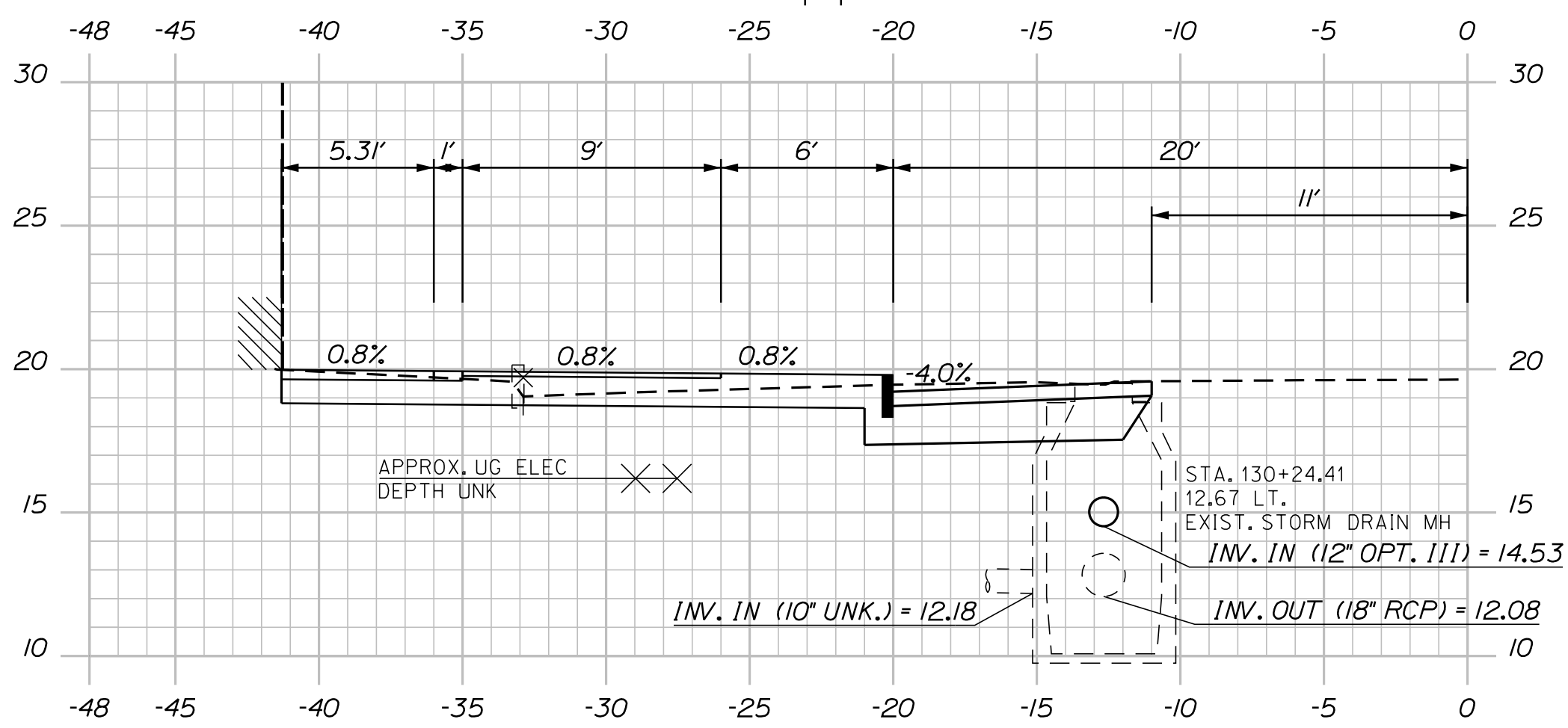
OF 13 10 SHEET NUMBER	WEST COMMERCIAL STREET MULTI-USE PATH	PROJ. MANAGER H. DONALDSON DESIGN-DETAILED T. LANDRY T. WARREN 1/21 CHECKED-REVIEWED D. ETTINGER 1/21 DESIGN2-DETAILED2 - - - DESIGN3-DETAILED3 - - - REVISIONS 1 - - - REVISIONS 2 - - - REVISIONS 3 - - - REVISIONS 4 - - - FIELD CHANGES - - -	BY DATE	SIGNATURE P.E. NUMBER DATE	CITY OF PORTLAND 389 CONGRESS STREET PORTLAND, MAINE 04101
	CROSS SECTIONS				



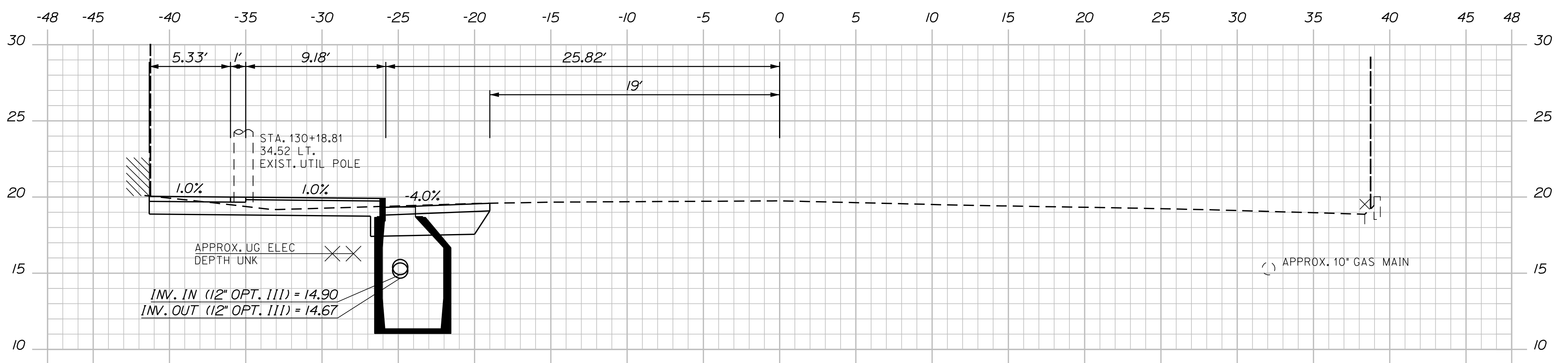
130+89.00 (STAIRS)



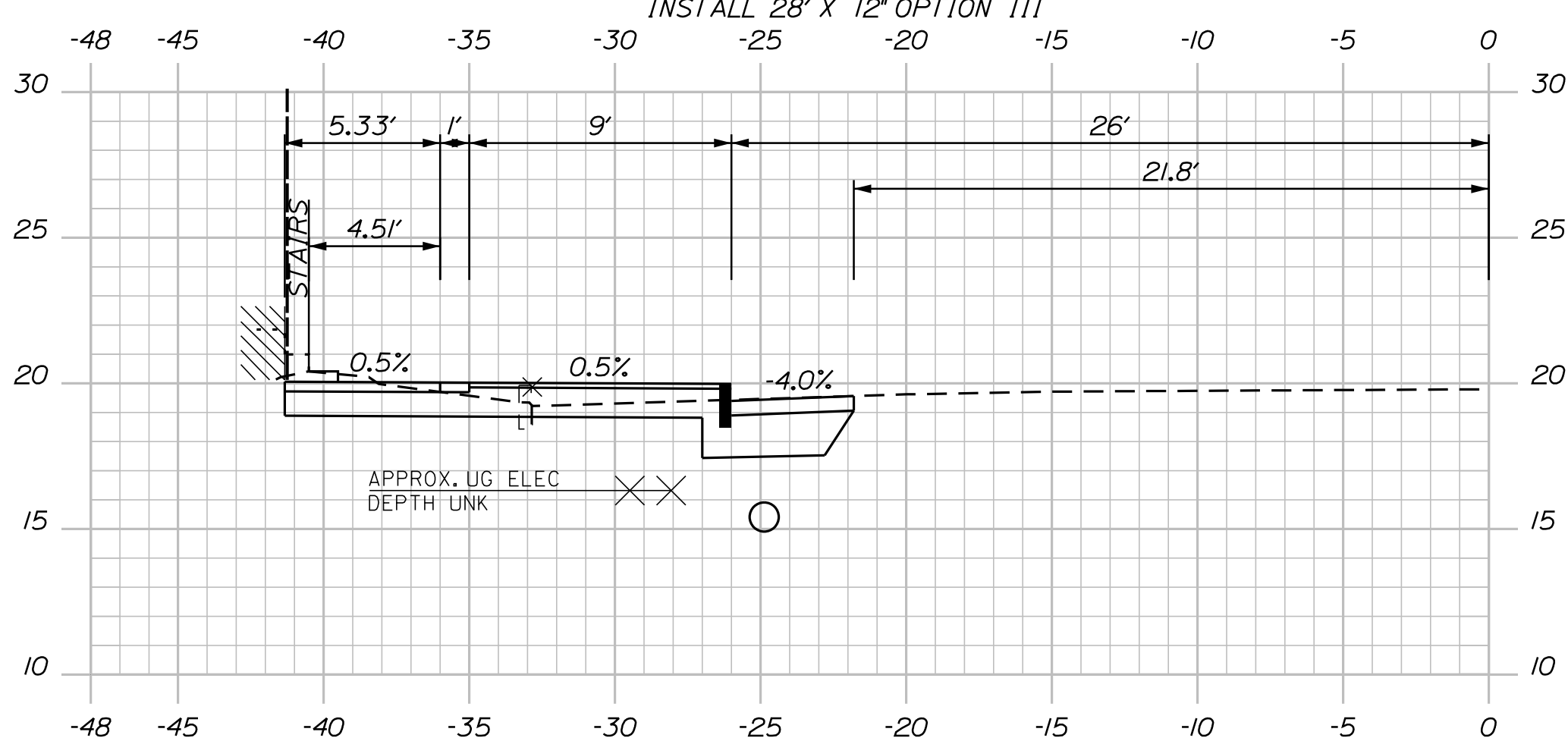
130+50.00



130+21.60 (CURB EXTENSION)



130+00.00



129+93.00 (STAIRS)

Sta. 129+93.00 to Sta. 130+89.00

SHEET NUMBER

WEST COMMERCIAL STREET
MULTI-USE PATH

CROSS SECTIONS

PROJ. MANAGER	H. DONALDSON	BY		DATE	
DESIGN-DETAILED	T. LANDRY	T. WARREN	1/21		
CHECKED-REVIEWED	D. ETTINGER		1/21		
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

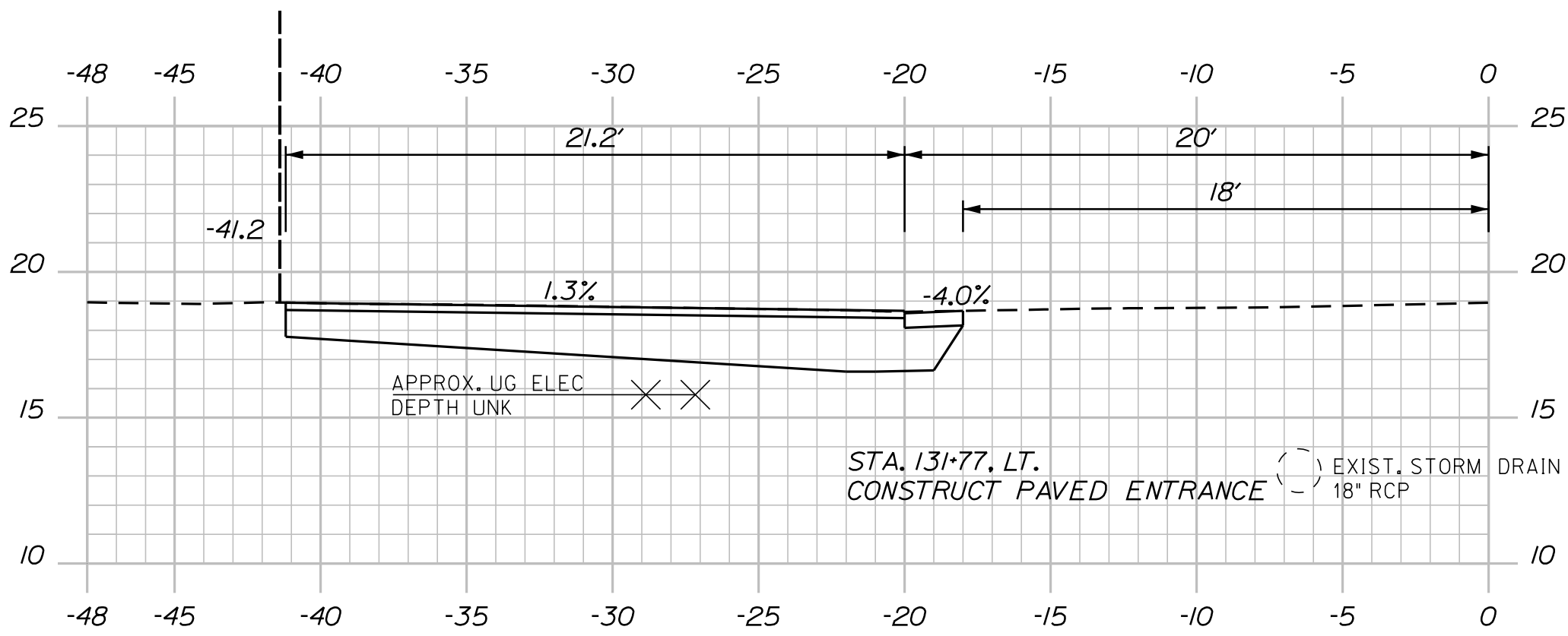
SIGNATURE _____

P.E. NUMBER _____

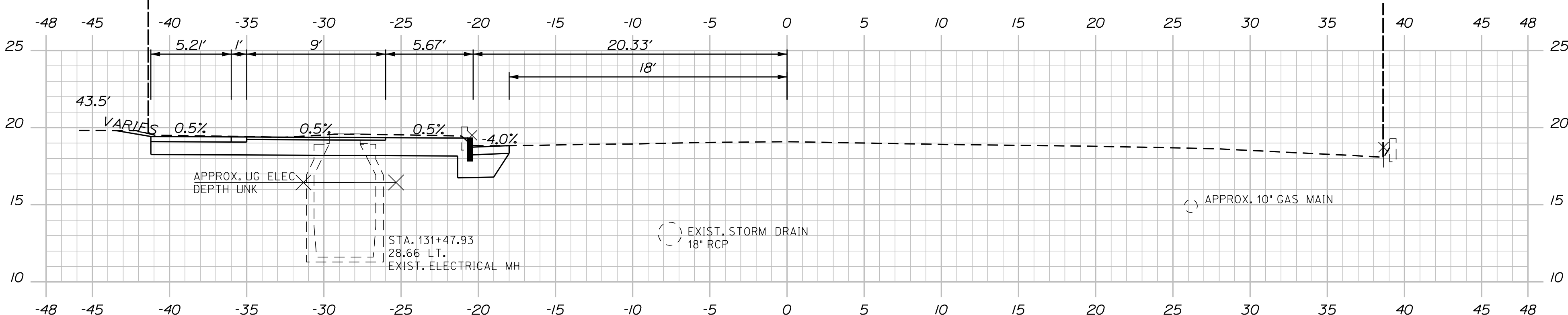
DATE _____

CITY OF PORTLAND
389 CONGRESS STREET
PORTLAND, MAINE 04101

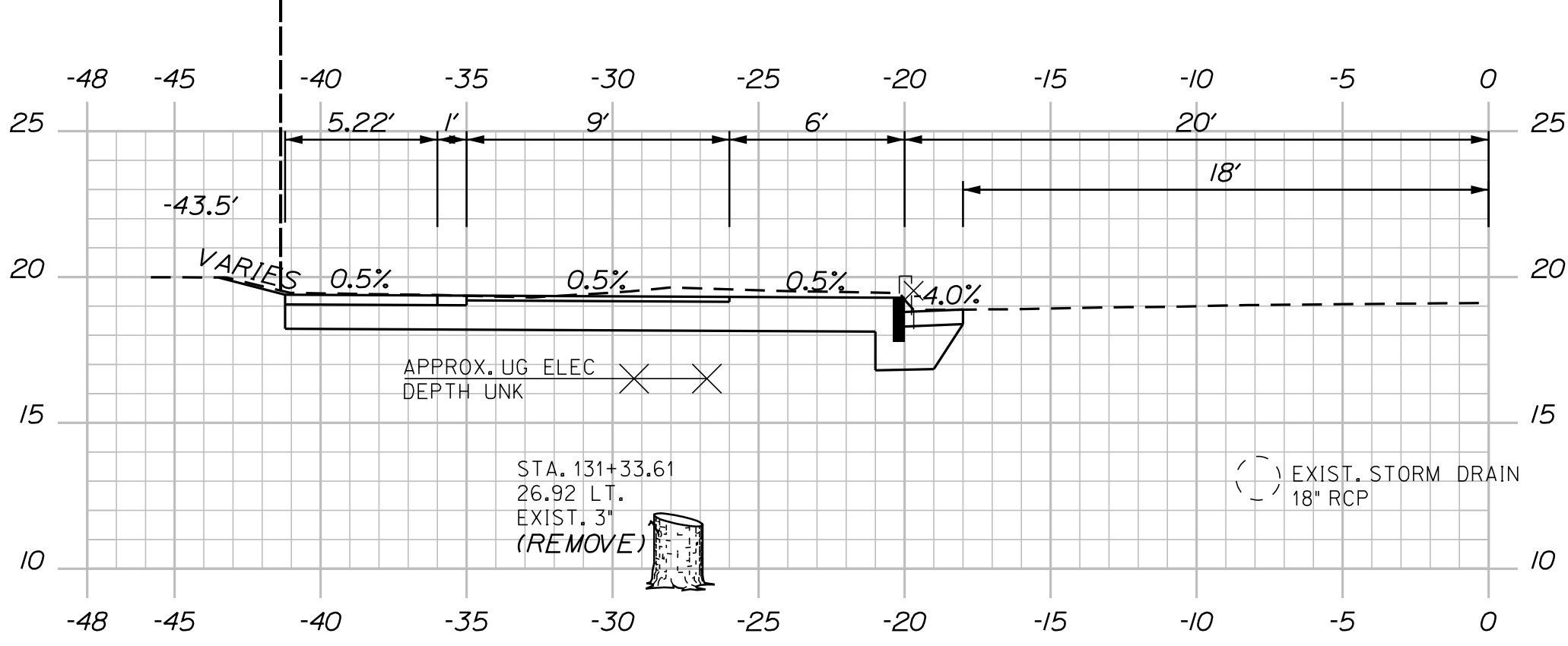
OF 13
11



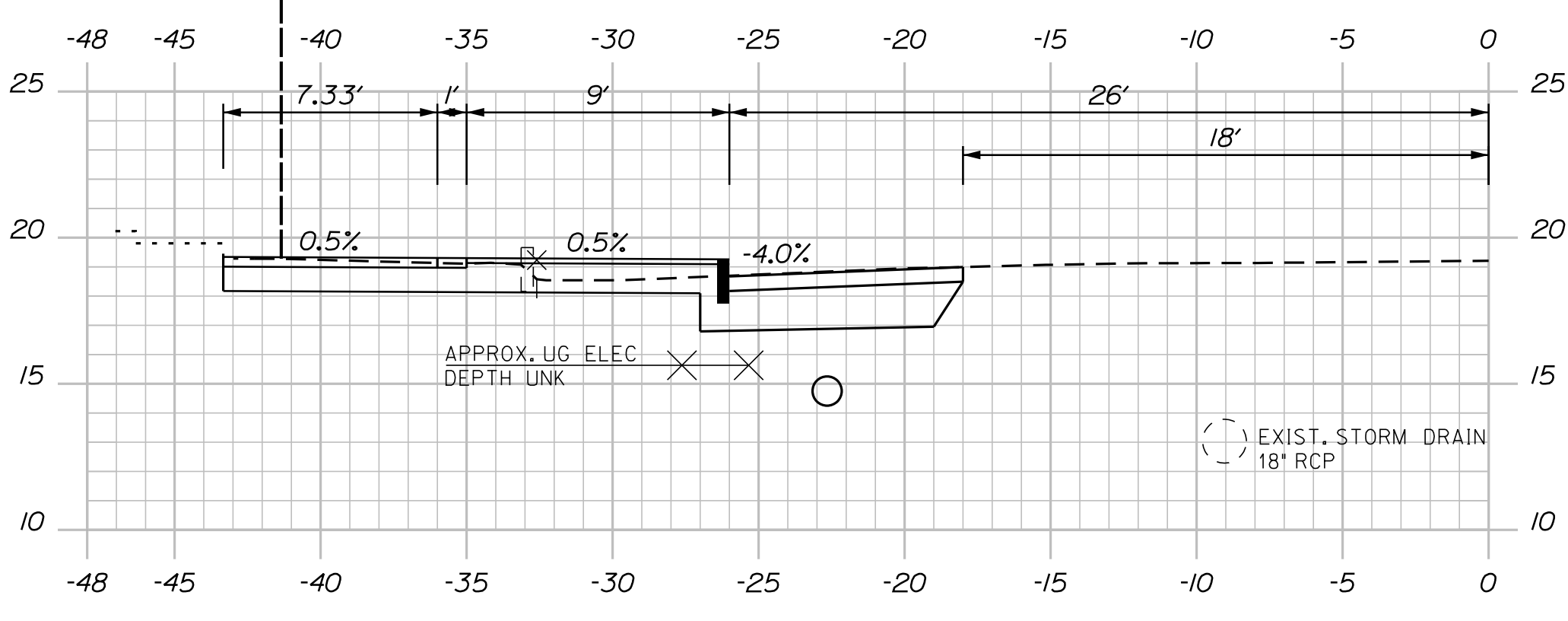
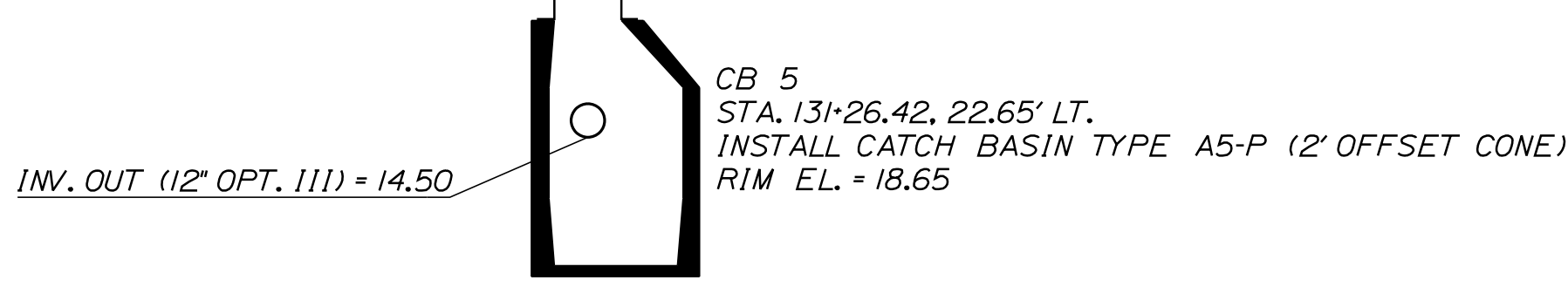
131+77.00 (COMMERCIAL PAVED ENTRANCE)



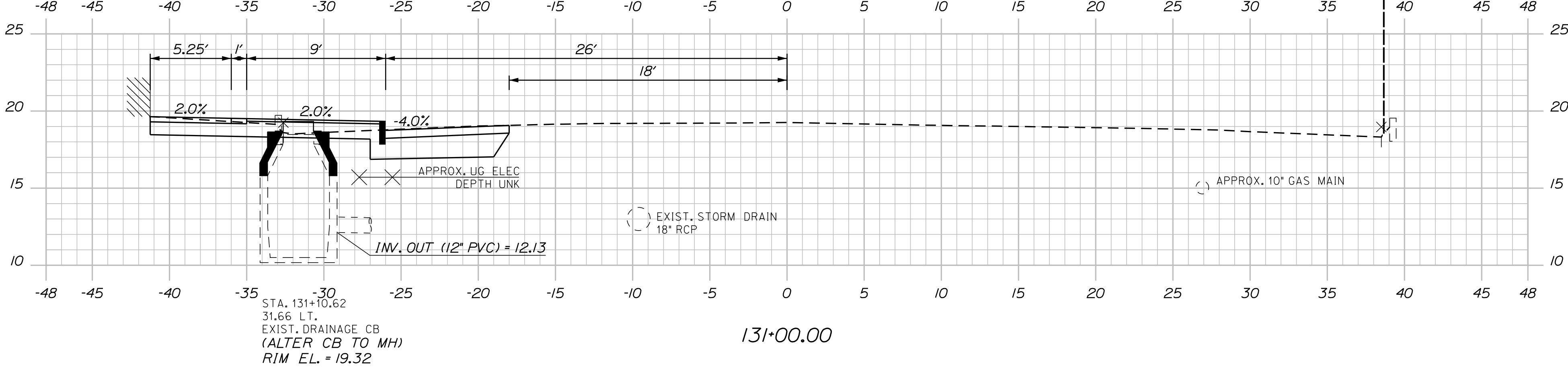
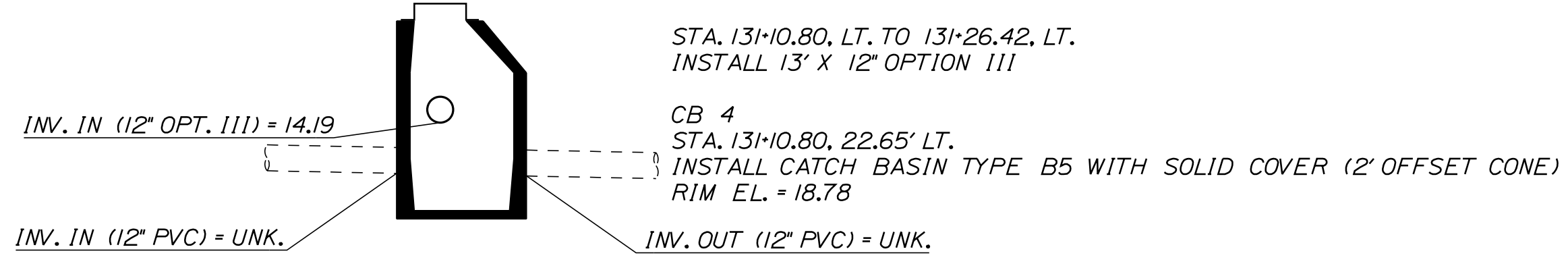
131+50.00



131+42.36 (CURB EXTENSION)



131+14.00 (STAIRS)



131+00.00

Sta. 131+00.00 to Sta. 131+77.00

SHEET NUMBER

12

WEST COMMERCIAL STREET
MULTI-USE PATH

CROSS SECTIONS

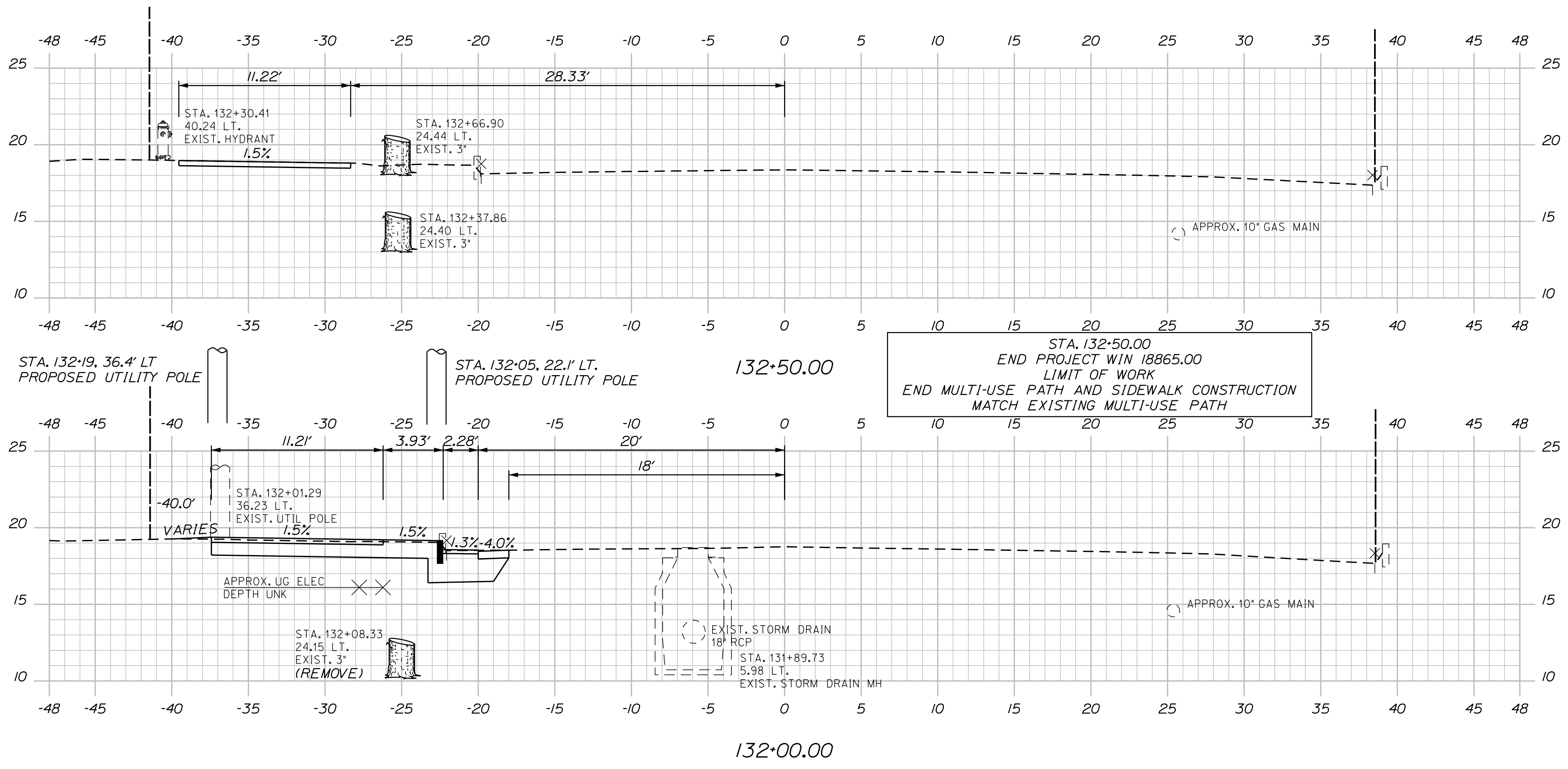
PROJ. MANAGER	H. DONALDSON	BY		DATE	
DESIGN-DETAILED	T. LANDRY	T. WARREN	1/21		
CHECKED-REVIEWED	D. ETTINGER		1/21		
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SIGNATURE _____

P.E. NUMBER _____

DATE _____

CITY OF PORTLAND
389 CONGRESS STREET
PORTLAND, MAINE 04101



Sta. 132+00.00 to Sta. 132+50.00

OF 13
13
SHEET NUMBER

**WEST COMMERCIAL STREET
MULTI-USE PATH
CROSS SECTIONS**

PROJ. MANAGER	H. DONALDSON	BY	DATE
DESIGN-DETAILED	T. LANDRY	T. WARREN	1\21
CHECKED-REVIEWED	D. ETTINGER		1\21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE _____
P.E. NUMBER _____
DATE _____

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