

CITY OF SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SANFORD, MAINE

YORK COUNTY
FEDERAL PROJECT NO. 2533500
PROJECT LENGTH: 0.89 MILES

PLAN LEGEND

Town, County, State	-----	Catch Basins	Existing	Proposed
Property Lines	-----	Manholes	Existing	Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	-----
R/W Lines-Proposed	-----	Proposed Ditch	-----	-----
Culvert-Existing	-----	Existing Ditch	-----	-----
Culvert Proposed	-----	Utility Poles	Existing	Proposed
Curbing	Existing	Fire Hydrants	Existing	Proposed
Type 1	-----	Existing Water Line	-----	-----
Type 3	-----	Existing San. Sewer	-----	-----
Type 5	-----	Existing San. Sewer Manhole	-----	-----
Outline of Bodies of Water	-----	Guardrail-Existing	-----	-----
Exposed Bedrock	-----	Guardrail-Proposed	-----	-----
Buildings	-----	Guardrail-Cable, Other	-----	-----
Trees	Conifer	Centerline-Existing	-----	-----
Tree Line	-----	Centerline-Proposed	-----	-----
Clearing Limit Line	-----	Travelway-Existing	-----	-----
Railroad	-----	Travelway-Proposed	-----	-----
Boring	HB-XXX-###	Probe	P-#.X	
Pavement Core	PC-#			
Test Pit	TP-XXX-###			

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2-8
Details Sheets	9-10
Estimated Quantities and Earthwork Summary	11
Drainage Summary	12-13
General Notes	14-15
Construction Notes	16
Special Details - Retaining Wall	17-18
Special Details - Precast Concrete Box Culvert	19-20
Signing and Striping Plans	21-24
Sign Summary	25
Geometric Plans	26-29
Plan/Profile Sheets	30-37
Side Road Profiles	38
Cross Sections	39-84
Side Road Cross Sections	85-94
Catch Basin Cross Sections	95-106
Lighting Plans	Appendix A
Landscaping Plans	Appendix B

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJECT INFORMATION	CITY DEPARTMENT	PUBLIC WORKS DEPARTMENT
CITY DEPARTMENT	MATTHEW E. HILL	
PROJECT MANAGER	JARED S. WINCHENBACH	
DESIGNER	GORRILL PALMER	
CONSULTANT		
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE		

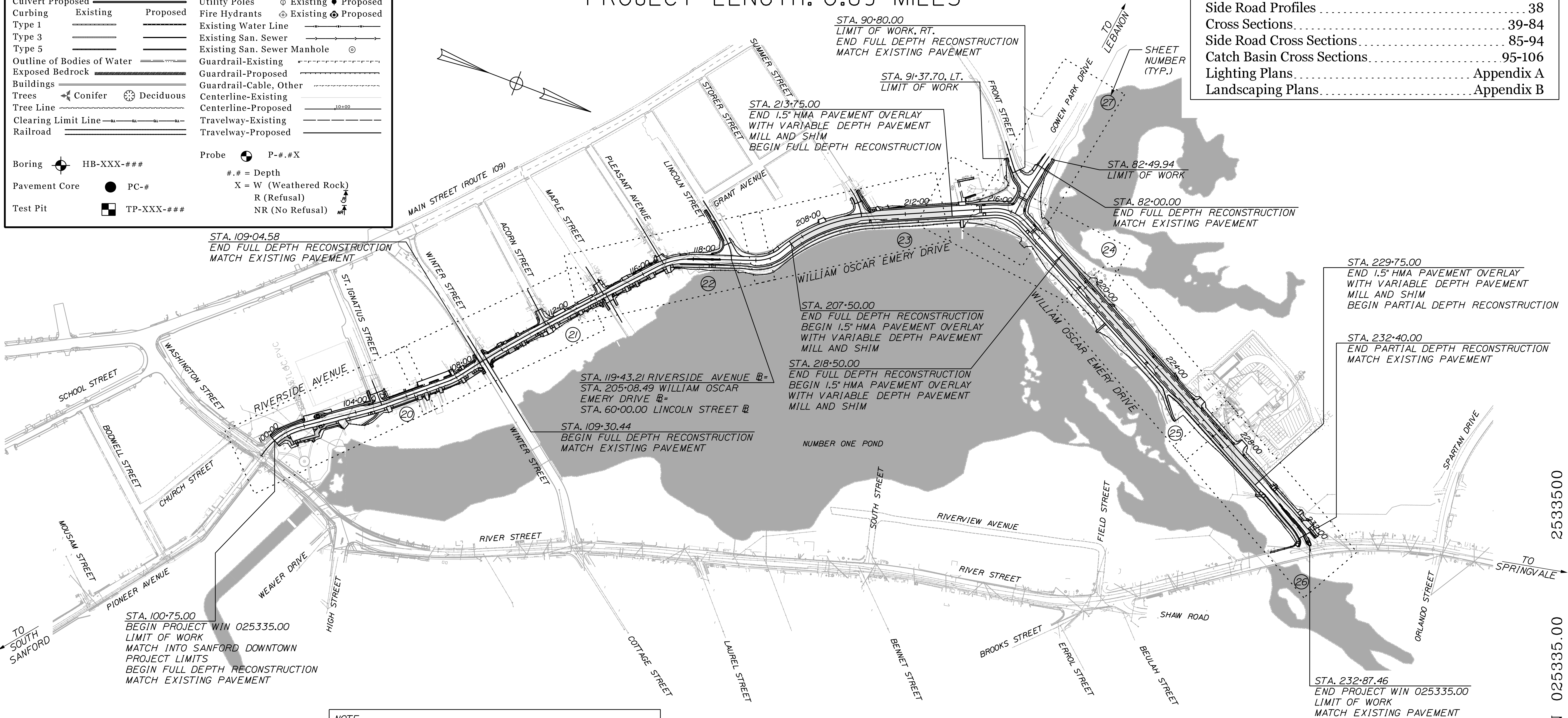
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

TITLE SHEET

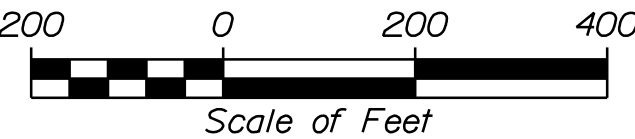
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PLAN



NOTE:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE MAINE DOT STANDARD SPECIFICATIONS (MARCH 2020 EDITION), AND THE MAINE DOT STANDARD DETAILS (MARCH 2020). EXCEPT AS MODIFIED BY THE PLANS OR SPECIAL PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS, OR ADDITIONS ISSUED BY MAINE DOT.

THE PROPOSED CULVERT DESIGN IS INCOMPLETE. COORDINATION WITH MAINE DOT STAFF IS ONGOING AT THIS TIME. A REVISED PIC SUBMITTAL WILL BE ISSUED ONCE THE DESIGN IS COMPLETED.

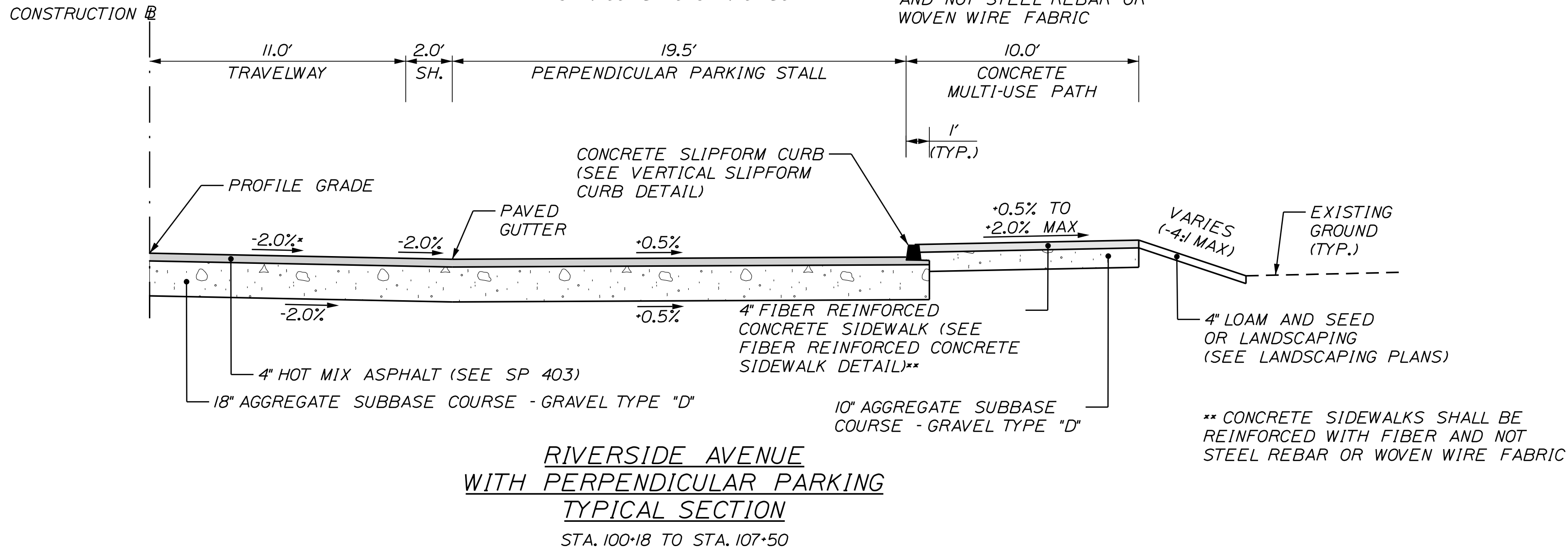
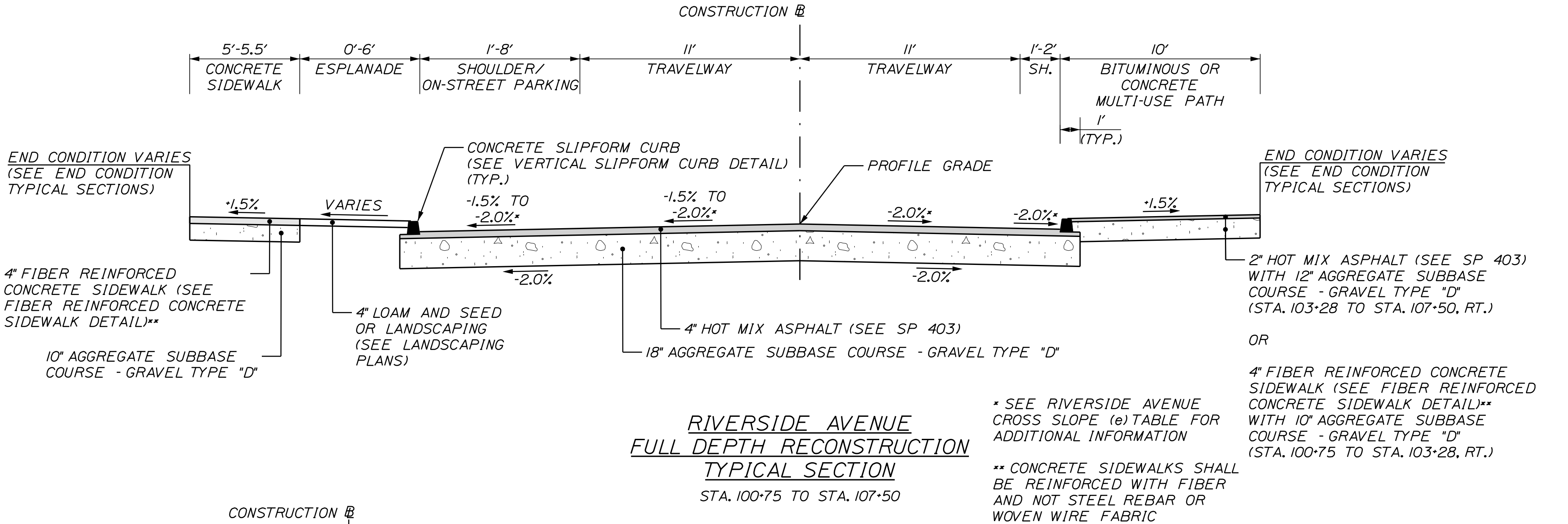
PROGRESS PLANS
SEPTEMBER 26, 2025



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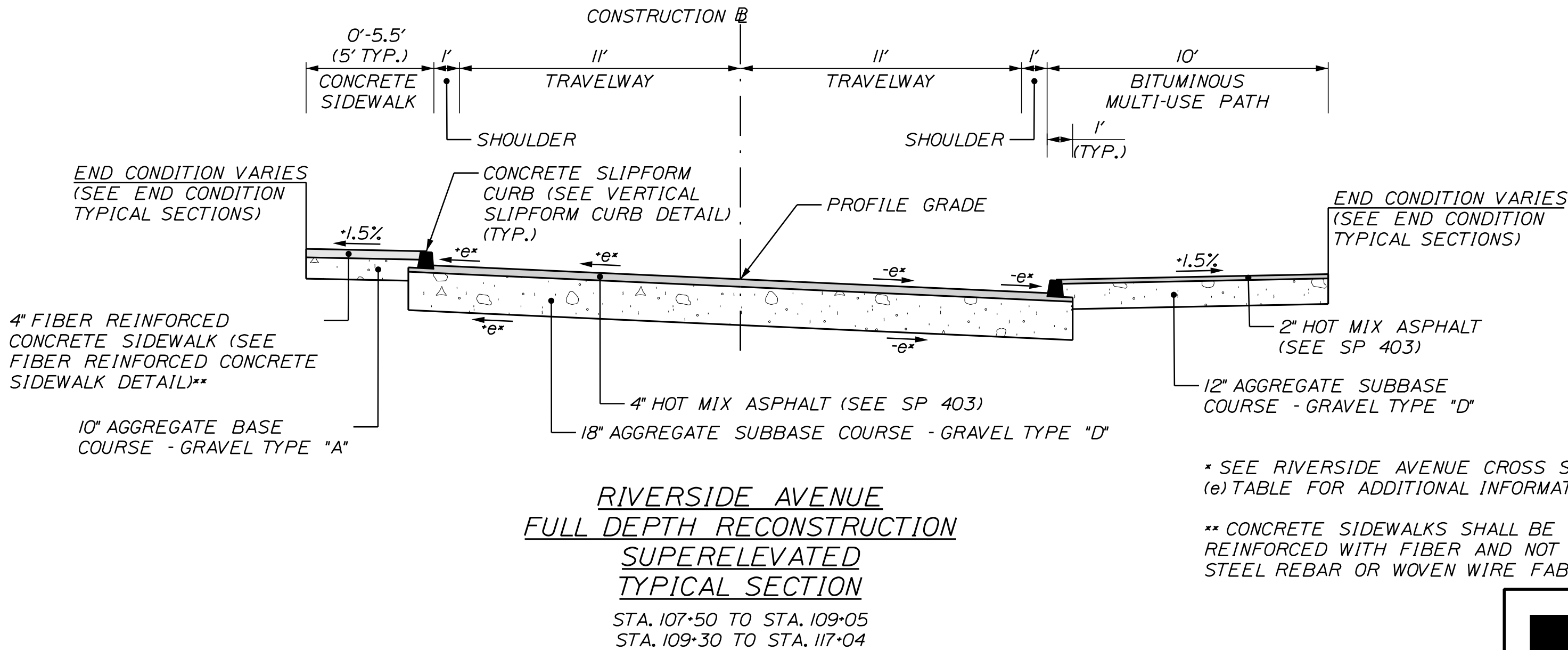
NOT TO SCALE

SH. = SHOULDER
ESP. = ESPLANE
SP = SPECIAL PROVISION



NOTES:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CROWNS FOR BOTH NORMAL AND SUPERELEVATED SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
3. THE SHOULDER PAVEMENT THICKNESS SHALL BE THE SAME AS THE TRAVELWAY PAVEMENT THICKNESS FOR ALL ROADWAYS UNLESS OTHERWISE NOTED.
4. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
5. SAWCUT LOCATIONS SHALL BE 2' INSIDE THE PROPOSED CURB OR EDGE OF EXISTING PAVEMENT, WHICHEVER IS CLOSEST TO THE CONSTRUCTION BASELINE, UNLESS OTHERWISE NOTED IN THE PLANS. (SEE CROSS SECTIONS FOR ADDITIONAL DETAILS)
6. PROPOSED SIDEWALK WIDTHS MAY VARY IN LOCATIONS WHERE EXISTING RETAINING WALLS AND STAIRS ARE SET TO REMAIN. (SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION).
7. SLIPFORM CONCRETE CURB, MOLD 1 SHALL BE PLACED ON BASE PAVEMENT. THE SURFACE PAVEMENT SHALL BE PAVED UP TO THE FACE OF CURB.
8. THE PROPOSED CURB REVEAL MAY VARY IN AREAS OF SIDEWALK RAMPS AND LANDINGS. SEE CURBING PLANS FOR ADDITIONAL DETAILS.
9. SIDEWALK AND ROADWAY CROSS SLOPES MAY VARY IN AREAS TO MINIMIZE PROPERTY IMPACTS. SEE CROSS SECTIONS FOR CROSS SLOPE REQUIREMENTS.
10. THE STATIONING UNDER EACH TYPICAL IS APPROXIMATE.



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PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	M. HILL	09/25			
CHECKED-REVIEWED	T. WARREN	09/25			
DESIGN-DETAILED	M. CUNDIFF	09/25			
DESIGN-DETAILED	D. ETINGER	09/25			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
TYPICAL SECTIONS

SHEET NUMBER

2

OF 106

NOT TO SCALE

SH. = SHOULDER
ESP. = ESPLANADE
SP = SPECIAL PROVISION

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919 MAIN STREET
SANFORD, MAINE 04073

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The diagram illustrates a cross-section of a proposed road construction, labeled "CONSTRUCTION B". The road is divided into several sections with specific dimensions and materials:

- Grading:** 3' wide.
- Shoulder/On-Street Parking:** 2'-8" wide.
- Travelway:** 11' wide.
- Median Island:** 0'-1' wide, with a 2' (TYP.) curb on each side.
- Shoulder/On-Street Parking:** 2'-8" wide.
- Esplanade:** 6'-12" wide.
- Bituminous Multi-Use Path:** 10' wide.

The road surface is composed of the following layers and materials:

- Concrete Slipform Curb:** (SEE VERTICAL SLIPFORM CURB DETAIL) (TYP.)
- Profile Grade:** VARIES, ranging from -2.0% to -4.5%.
- 4" Hot Mix Asphalt:** (SEE SP 403) (TYP.)
- 18" Aggregate Subbase Course:** - GRAVEL TYPE "D" (TYP.)
- Landscaped Median:** (SEE LANDSCAPING PLANS)
- 2" Hot Mix Asphalt:** (SEE SP 403)
- 12" Aggregate Subbase Course:** - GRAVEL TYPE "D"

Other details include:

- Existing Ground:** (TYP.)
- Existing Edge of Pavement:** (TYP.)
- End Condition:** VARIES (SEE END CONDITION TYPICAL SECTIONS)
- Grading:** 3' wide.
- Shoulder/On-Street Parking:** 2'-8" wide.
- Travelway:** 11' wide.
- Median Island:** 0'-1' wide, with a 2' (TYP.) curb on each side.
- Shoulder/On-Street Parking:** 2'-8" wide.
- Esplanade:** 6'-12" wide.
- Bituminous Multi-Use Path:** 10' wide.

RIVERSIDE AVENUE/WILLIAM OSCAR EMERY DRIVE
FULL DEPTH RECONSTRUCTION
SUPERELEVATED
STA. 117+04 TO STA. 119+43
STA. 205+08 TO STA. 207+50

The diagram illustrates the cross-section of William Oscar Emery Drive, centered around a vertical line labeled "CONSTRUCTION". The layout is symmetrical, with dimensions and materials specified on both sides of the centerline.

Dimensions and Materials (Left Side):

- 0'-6"** CONCRETE SIDEWALK
- 0'-6"** ESPLANADE
- 2'-8"** SHOULDER/ ON-STREET PARKING
- 11"** TRAVELWAY

Dimensions and Materials (Right Side):

- 11"** TRAVELWAY
- 2'-8"** SHOULDER/ ON-STREET PARKING
- 6'-12"** ESPLANADE (with a **1'** (TYP.) detail)
- 10'** BITUMINOUS MULTI-USE PATH

Grades and Slopes:

- 1.5%** (Left sidewalk)
- VARIES** (Left esplanade)
- 0.5% TO 2.5%** (Left shoulder)
- 0.5% TO 2.5%** (Left travelway)
- 2.0% TO 4.5%** (Left travelway)
- 2.0% TO 4.5%** (Right travelway)
- VARIES** (Right esplanade)
- 1.5%** (Right path)

Construction Details and Notes:

- CONCRETE SLIPFORM CURB (SEE VERTICAL SLIPFORM CURB DETAIL) (TYP.)**: Located at the edge of the shoulder on both sides.
- PLACE SLIPFORM CURB ON EXISTING PAVEMENT, MILLED SURFACE, OR SHIM AND PAVE SURFACE PAVEMENT UP TO THE FACE OF CURB (TYP.)**: Instruction for curb placement.
- 1.5" HOT MIX ASPHALT PAVEMENT OVERLAY WITH VARIABLE DEPTH PAVEMENT MILL AND SHIM (SEE SP 403)**: Located in the travelway on both sides.
- 4" FIBER REINFORCED CONCRETE SIDEWALK (SEE FIBER REINFORCED CONCRETE SIDEWALK DETAIL)****: Located on the left sidewalk.
- 10" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"**: Located under the left sidewalk.
- SAWCUT PAVEMENT 1' BEHIND THE PROPOSED CURB AND REMOVE EXISTING PAVEMENT FROM AREA (TYP.)**: Instruction for the left sidewalk area.
- 2" HOT MIX ASPHALT (SEE SP 403)**: Located under the right path.
- 12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"**: Located under the right path.
- 4" LOAM AND SEED OR LANDSCAPING (SEE LANDSCAPING)**: Located under the right esplanade.
- END CONDITION VARIES (SEE END CONDITION TYPICAL SECTIONS)**: Located at the far left and right ends of the section.
- EXISTING EDGE OF PAVEMENT (TYP.)**: Located on the right side of the travelway.
- WILLIAM OSCAR EMERY DRIVE**: Labeled at the bottom center.
- * SEE WILLIAM OSCAR EMERY**: Located at the bottom right.

WILLIAM OSCAR EMERY DRIVE
1.5" HMA PAVEMENT OVERLAY WITH
VARIABLE DEPTH PAVEMENT MILL AND SHIM
SUPERELEVATED
STA. 207+50 TO STA. 213+75

The diagram illustrates the cross-section of William Oscar Emery Drive, centered around a 6-foot construction zone. The layout includes a 6'-10" bituminous sidewalk or concrete sidewalk on the left, followed by a 0'-6" esplanade, a 2'-8" shoulder/on-street parking area, and two 11' travelway sections. On the right side, there is a 2'-8" shoulder/on-street parking area, a 6'-12" esplanade with a 1' typical width, and a 10' bituminous multi-use path. The profile grade is shown with a -2.0% slope across the travelways and shoulders, and a -1.5% slope for the sidewalks. Key features include concrete slipform curbs, a vertical limit of raised intersection (Sta. 214+82 to Sta. 217+14) with a 3' curb reveal, and end conditions that vary. The pavement structure consists of 2" hot mix asphalt with a 12" aggregate subbase course (Gravel Type "D") or 4" fiber reinforced concrete sidewalk with a 10" aggregate subbase course (Gravel Type "D"). The base is composed of 4" hot mix asphalt and an 18" aggregate subbase course (Gravel Type "D"). Landscaping details include 4" loam and seed or landscaping (typical) and a 12" aggregate subbase course (Gravel Type "D"). A note refers to William Oscar Emery Drive Cross Slope (e) Table for additional information (Sheet 5).

6'-10" BITUMINOUS SIDEWALK OR CONCRETE SIDEWALK

0'-6" ESPLANADE

2'-8" SHOULDER/ ON-STREET PARKING

11' TRAVELWAY

CONSTRUCTION 6'

11' TRAVELWAY

2'-8" SHOULDER/ ON-STREET PARKING

6'-12" ESPLANADE

10' BITUMINOUS MULTI-USE PATH

1' (TYP.)

END CONDITION VARIES (SEE END CONDITION TYPICAL SECTIONS)

CONCRETE SLIPFORM CURB (SEE VERTICAL SLIPFORM CURB DETAIL) (TYP.)

PROFILE GRADE

VERTICAL LIMIT OF RAISED INTERSECTION (STA. 214+82 TO STA. 217+14) 3' CURB REVEAL (SEE RAISED INTERSECTION DETAIL)

END CONDITION VARIES (SEE END CONDITION TYPICAL SECTIONS)

2" HOT MIX ASPHALT (SEE SP 403) WITH 12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

OR

4" FIBER REINFORCED CONCRETE SIDEWALK (SEE FIBER REINFORCED CONCRETE SIDEWALK DETAIL)** WITH 10" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

4" HOT MIX ASPHALT (SEE SP 403)

18" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

4" LOAM AND SEED OR LANDSCAPING (SEE LANDSCAPING PLANS) (TYP.)

12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

2" HOT MIX ASPHALT (SEE SP 403)

WILLIAM OSCAR EMERY DRIVE

* SEE WILLIAM OSCAR EMERY DRIVE CROSS SLOPE (e) TABLE FOR ADDITIONAL INFORMATION (SHEET 5)

WILLIAM OSCAR EMERY DRIVE
FULL DEPTH RECONSTRUCTION
NORMAL CROWN
STA. 213+75 TO STA. 218+50

* SEE WILLIAM OSCAR EMERY
DRIVE CROSS SLOPE (e) TABLE
FOR ADDITIONAL INFORMATION
(SHEET 5)

**** CONCRETE SIDEWALKS SHALL
BE REINFORCED WITH FIBER
AND NOT STEEL REBAR OR
WOVEN WIRE FABRIC**



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3

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Date:9/26/2025

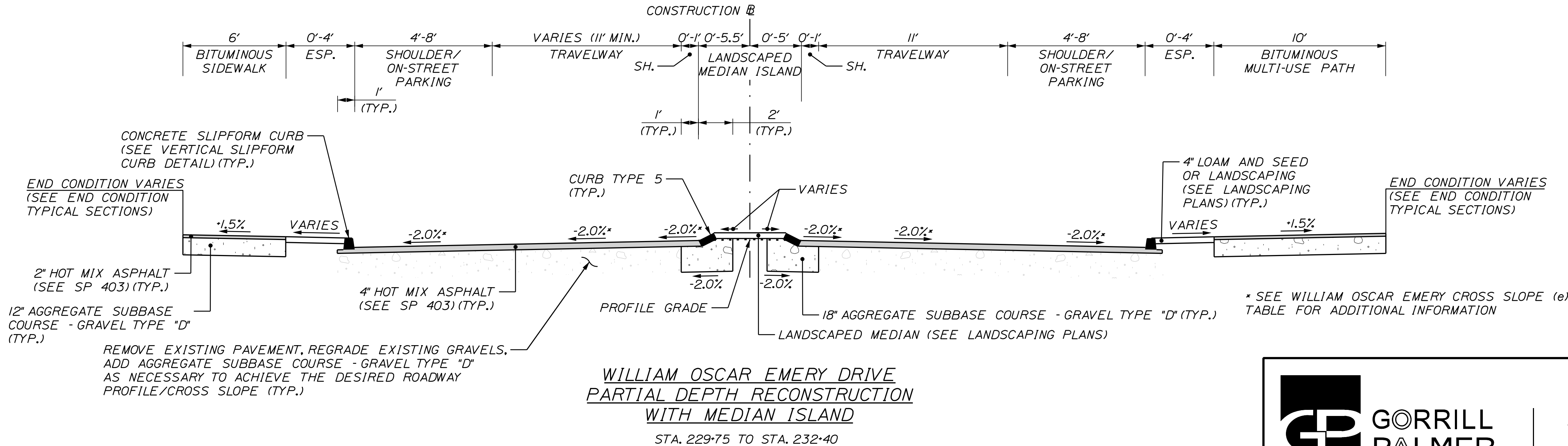
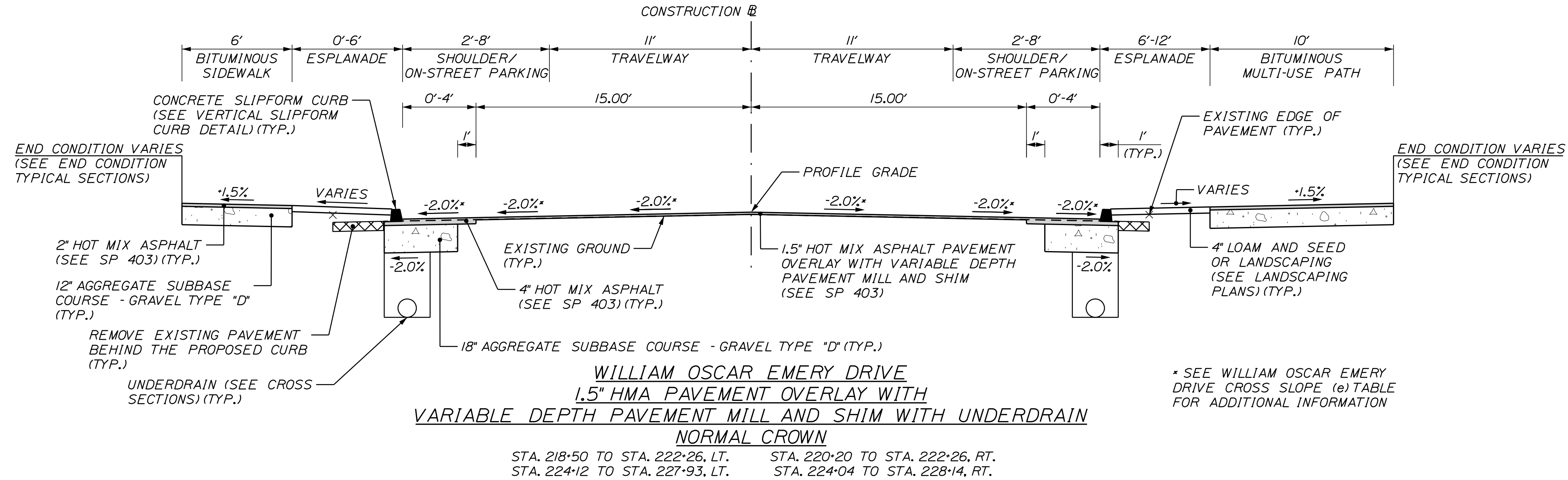
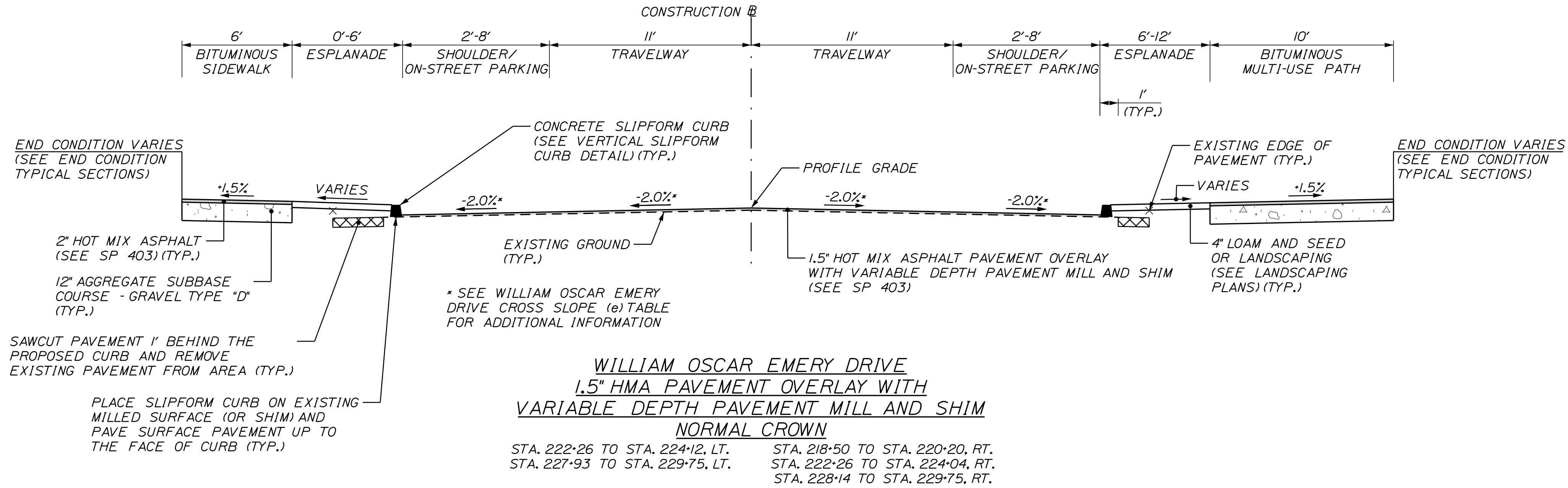
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Division: HIGHWAY

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NOT TO SCALE



SH. = SHOULDER
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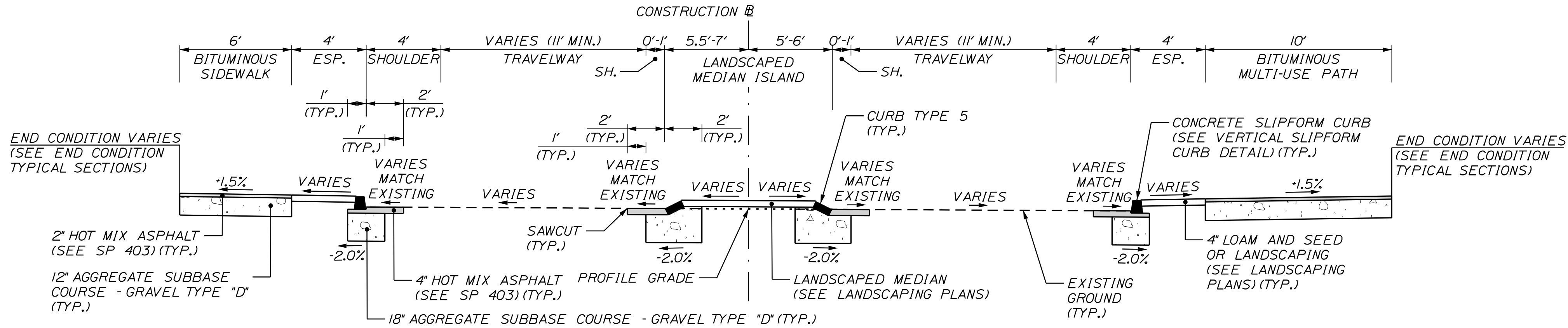
CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00	
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE TYPICAL SECTIONS	PROJ. MANAGER	M. HILL	DATE
	DESIGNED-DETAILED	T. WARREN M. CUNDIFF	09/25
	CHECKED-REVIEWED	J. WILHELM D. EITINGER	09/25
	DESIGNED-DETAILED	-	-
	REVISIONS	1	-
SHEET NUMBER 4 OF 106	REVISIONS	2	-
	REVISIONS	3	-
	REVISIONS	4	-
	FIELD CHANGES	-	-
	DATE	-	-



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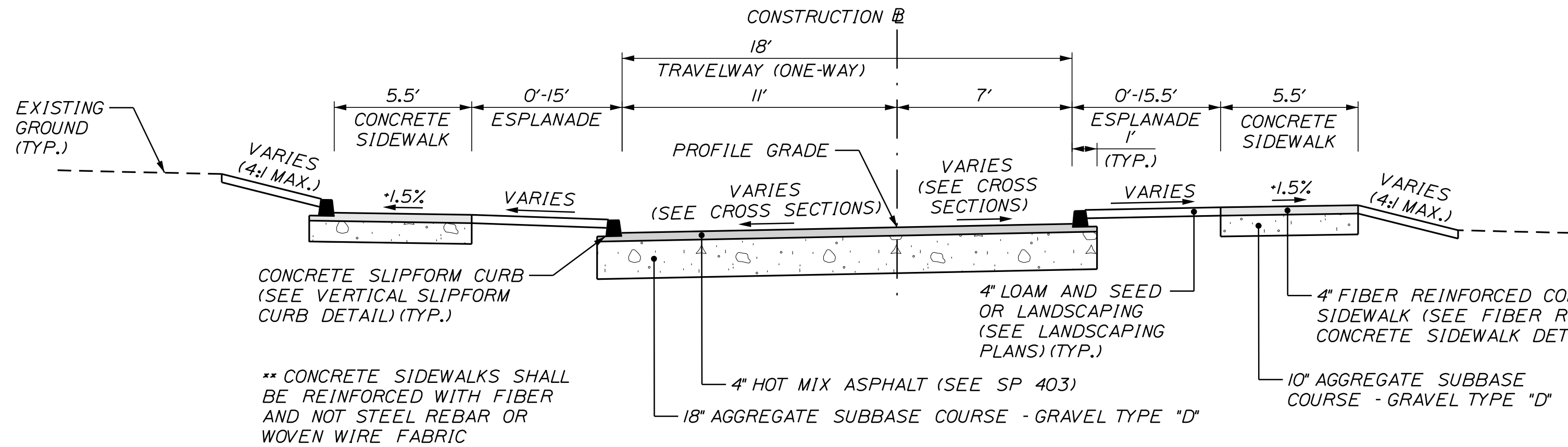
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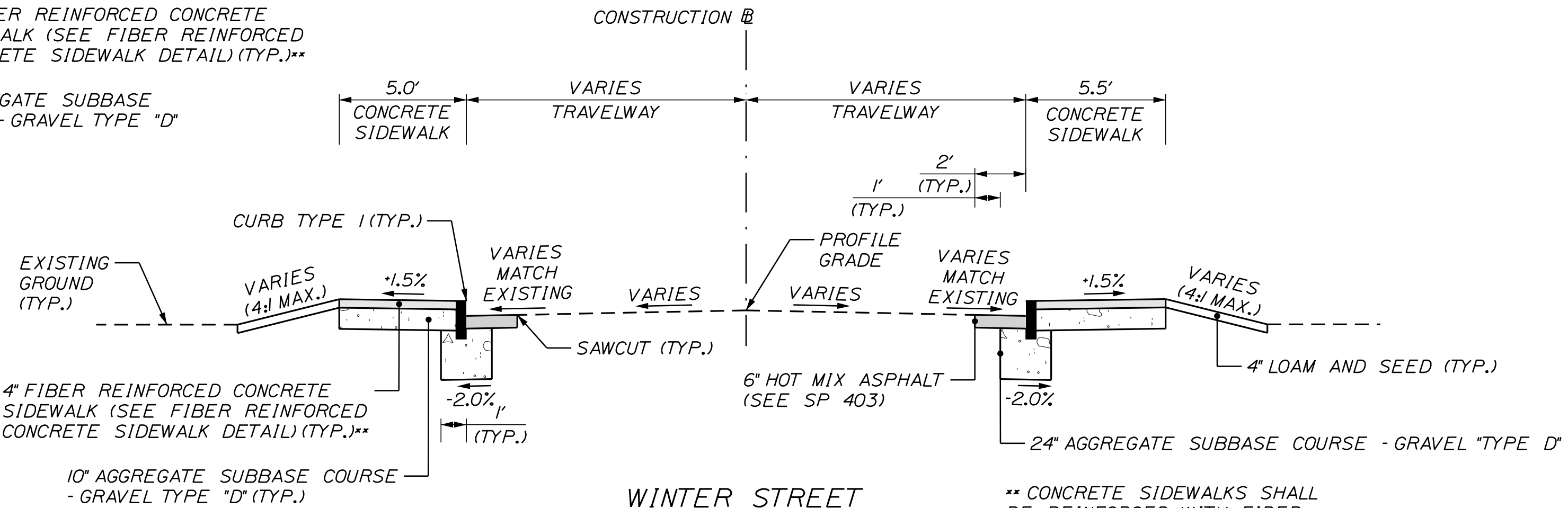
**WILLIAM OSCAR EMERY DRIVE
RIVER STREET TRANSITION**

STA. 232+40 TO STA. 232+87



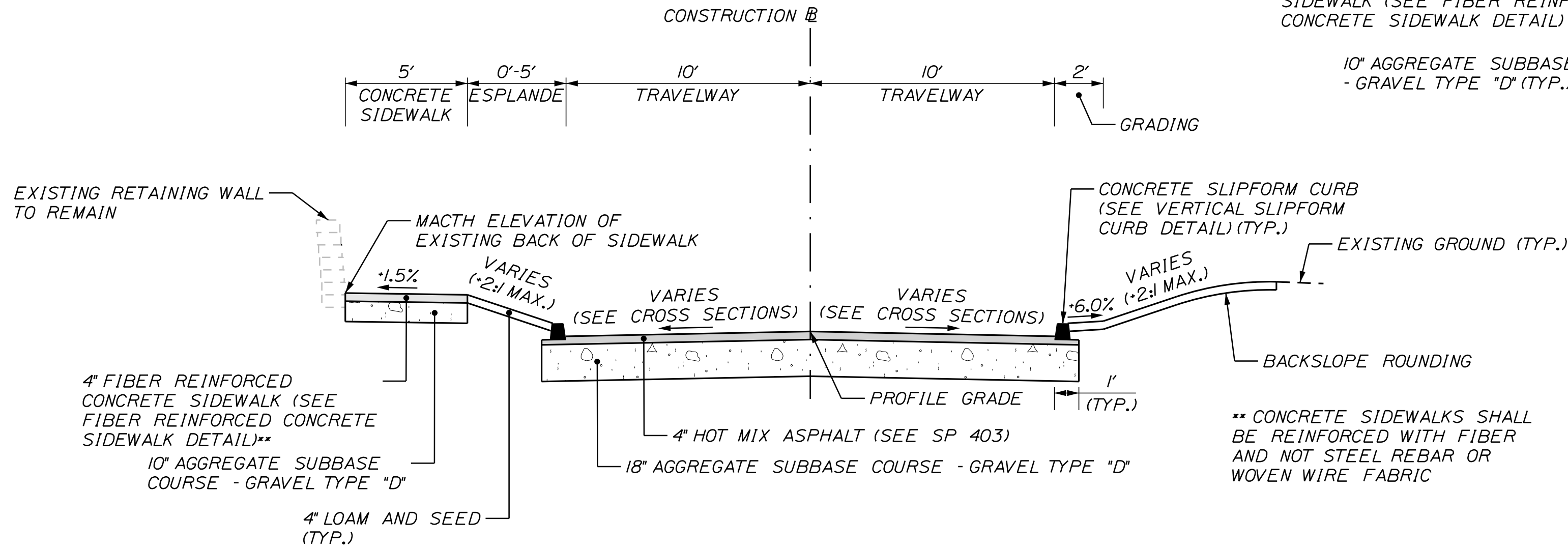
**ST. IGNATIUS STREET
TYPICAL SECTION**

STA. 10+12 TO STA. 10+50



**WINTER STREET
TYPICAL SECTION**

STA. 20+96 TO STA. 21+76, LT.
STA. 21+00 TO STA. 21+77, RT.



**ACORN STREET
WITH PROPOSED SIDEWALK
TYPICAL SECTION**

STA. 30+12 TO STA. 30+40, LT.
STA. 30+12 TO STA. 30+48, RT.

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CHECKED-REVIEWED	T. WARREN	M. CUNDIFF	09/25	
DESIGN-DETAILED	J. WILHELM	D. ETINGER	09/25	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
TYPICAL SECTIONS

SHEET NUMBER

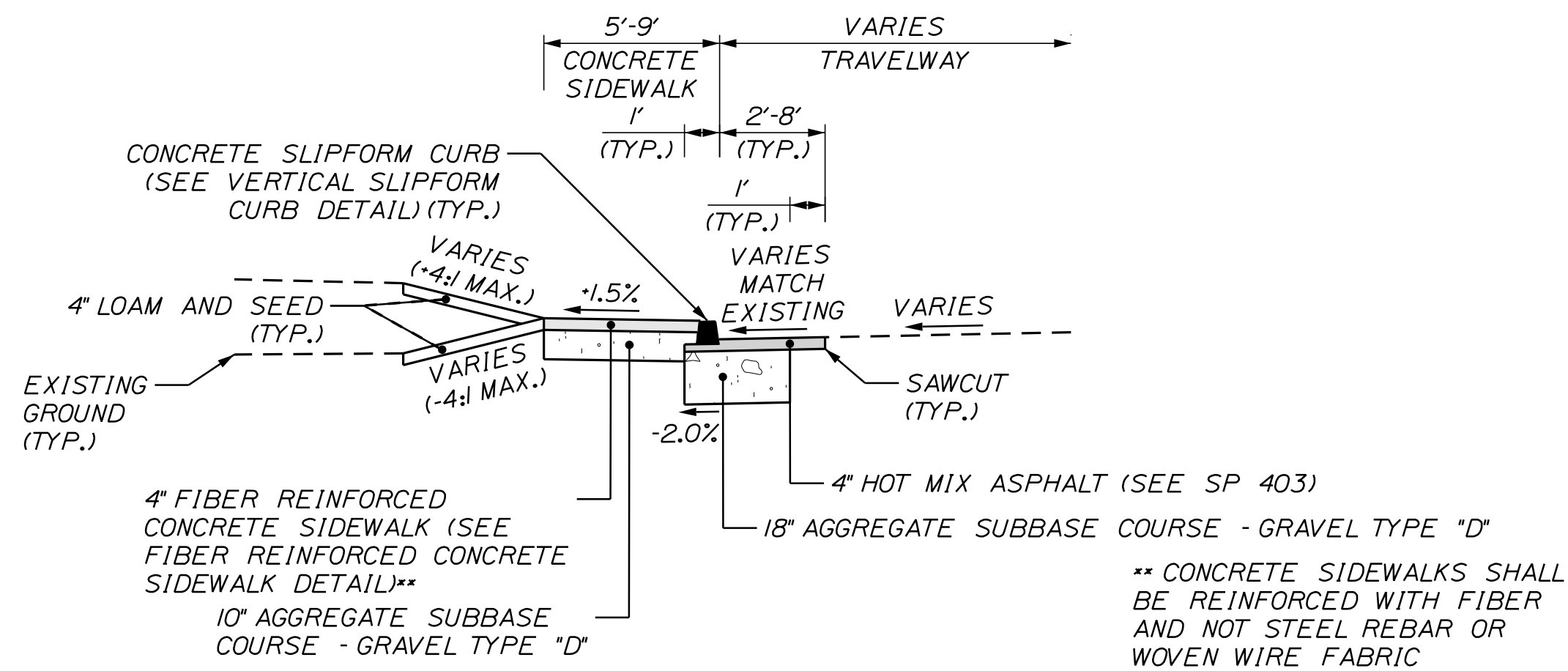
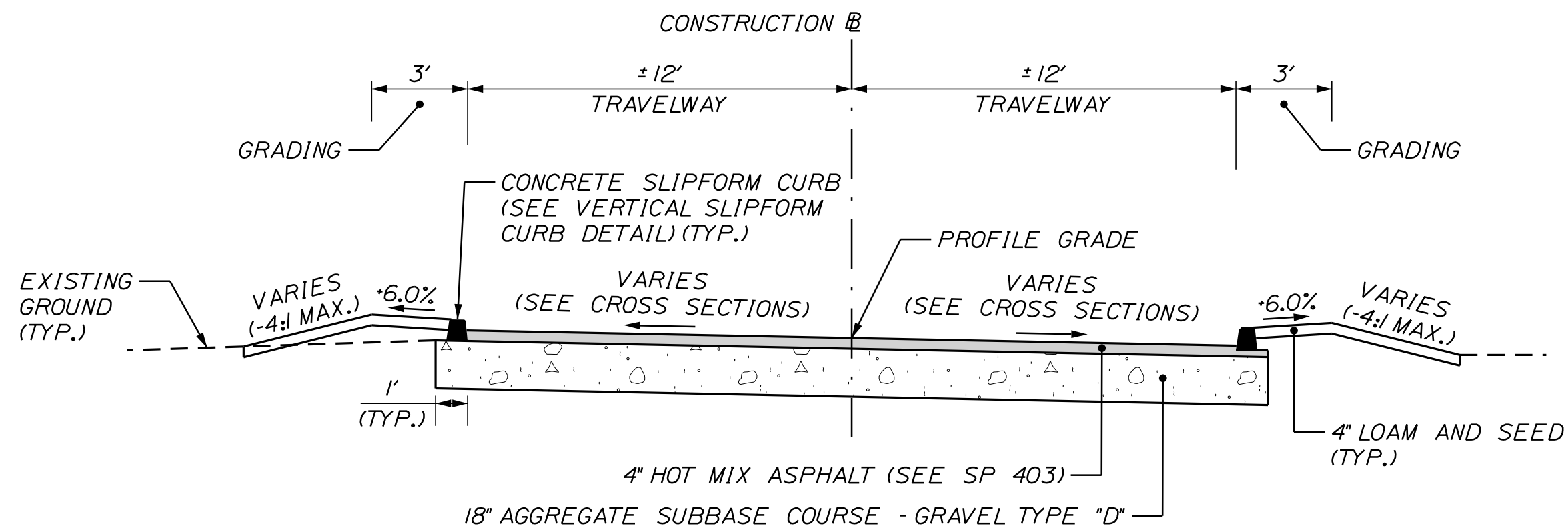
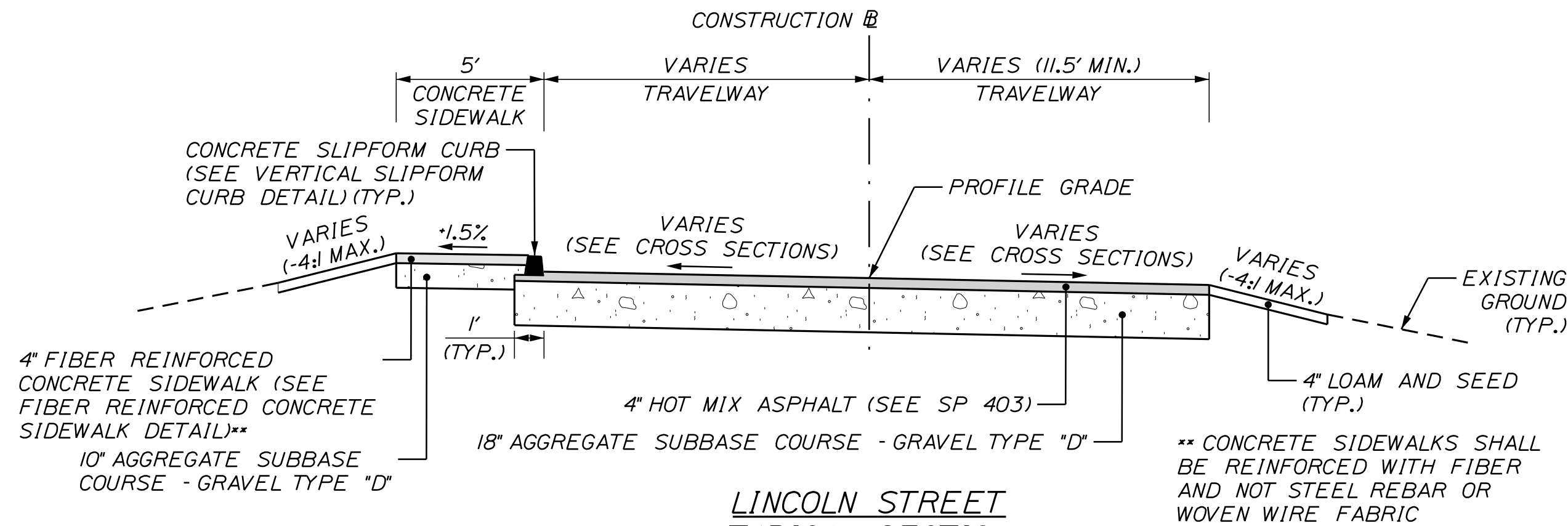
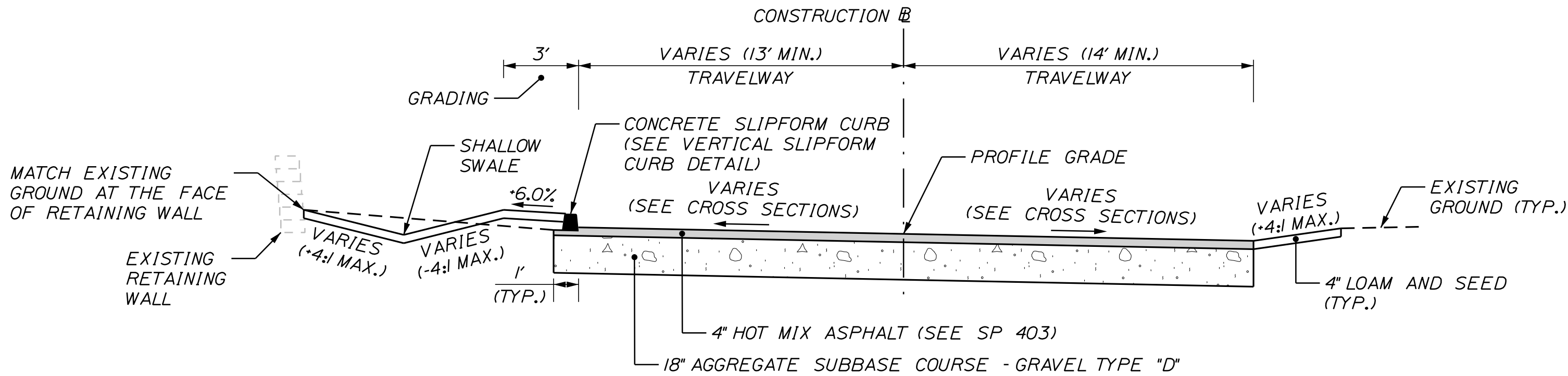
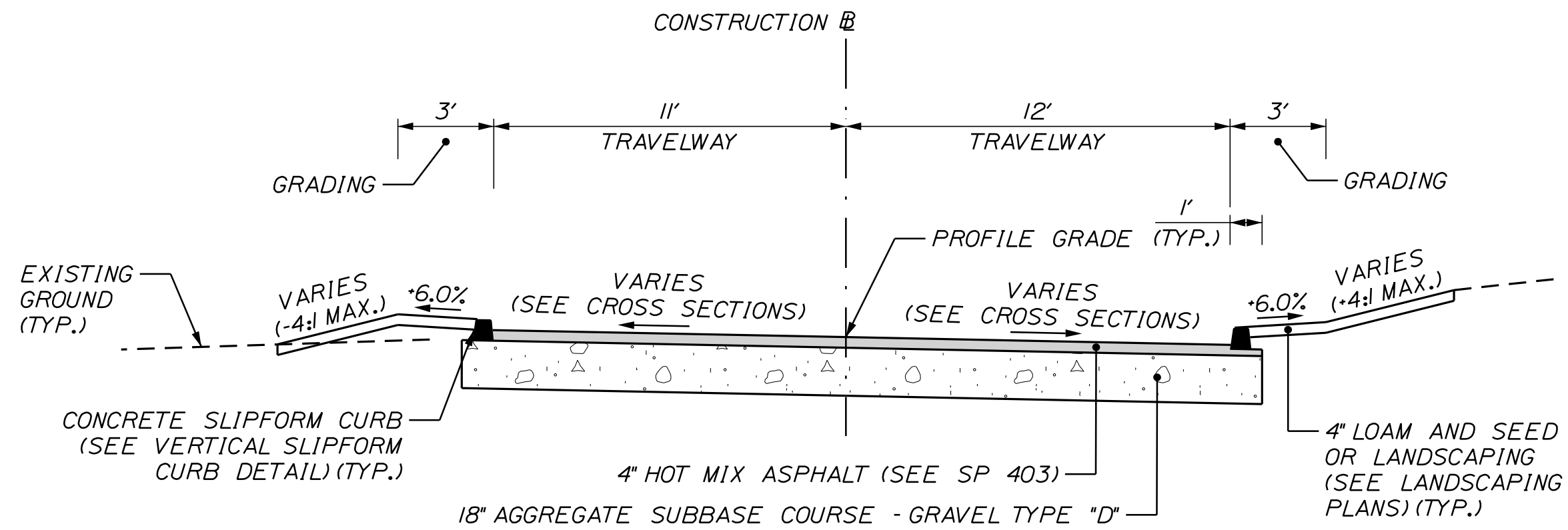
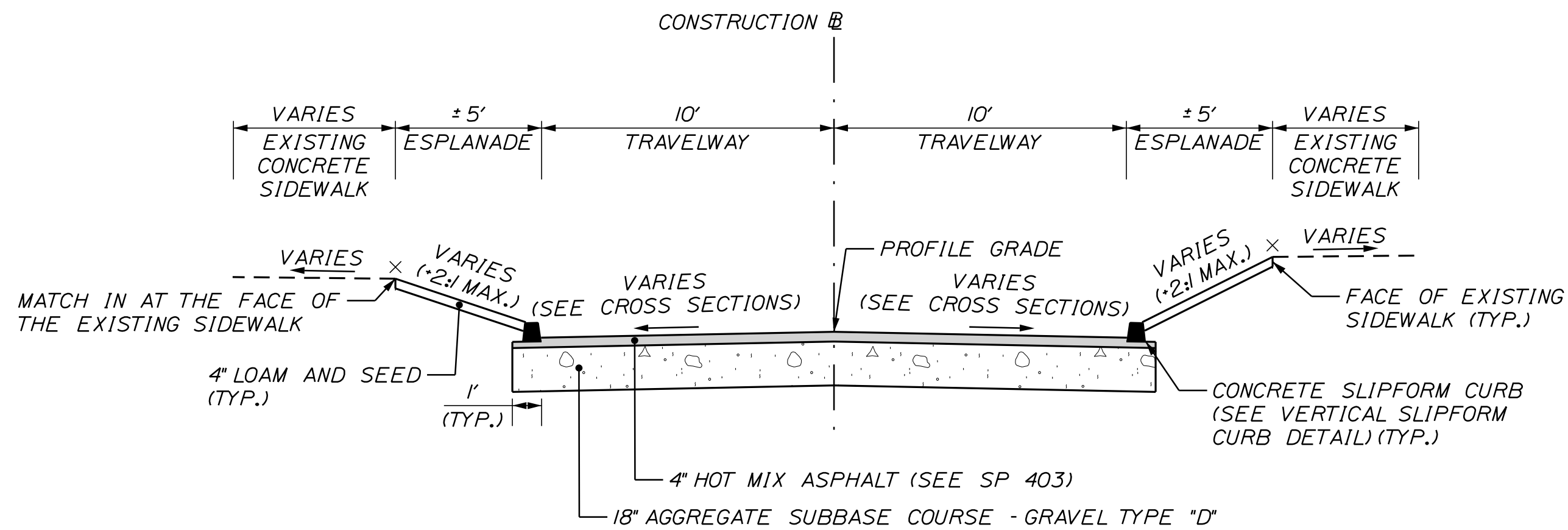
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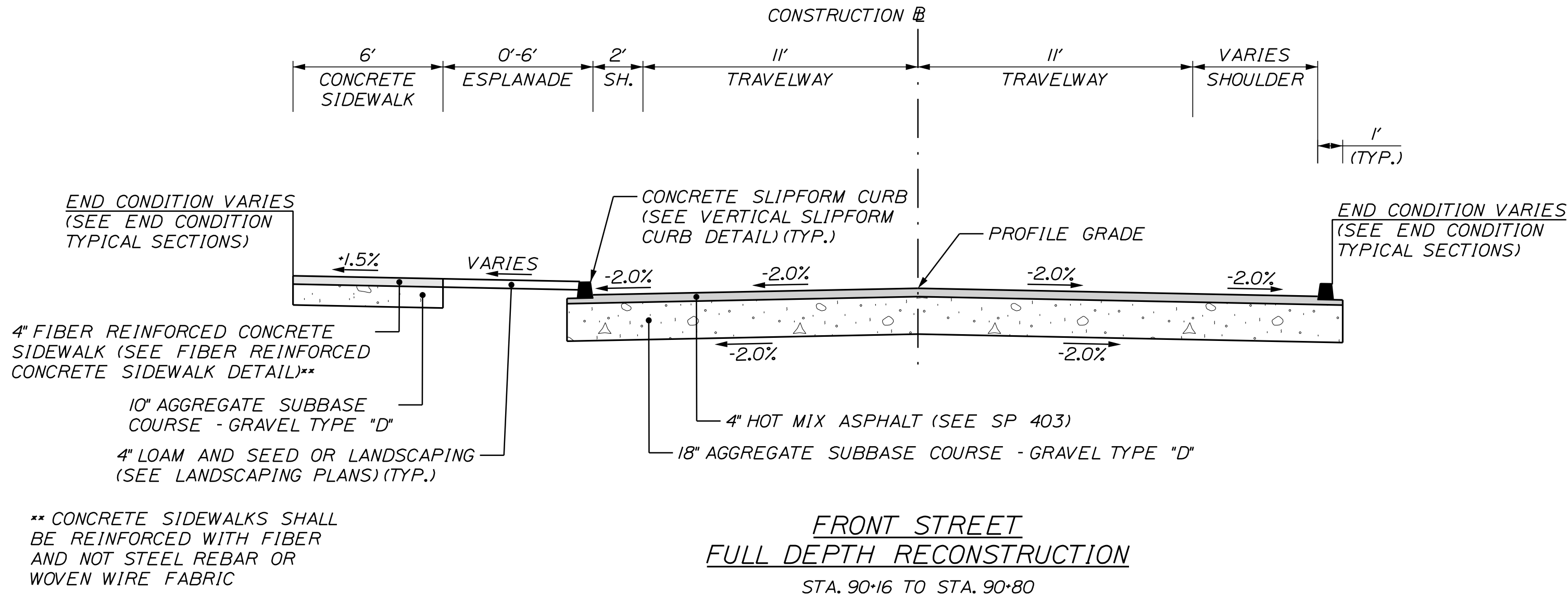
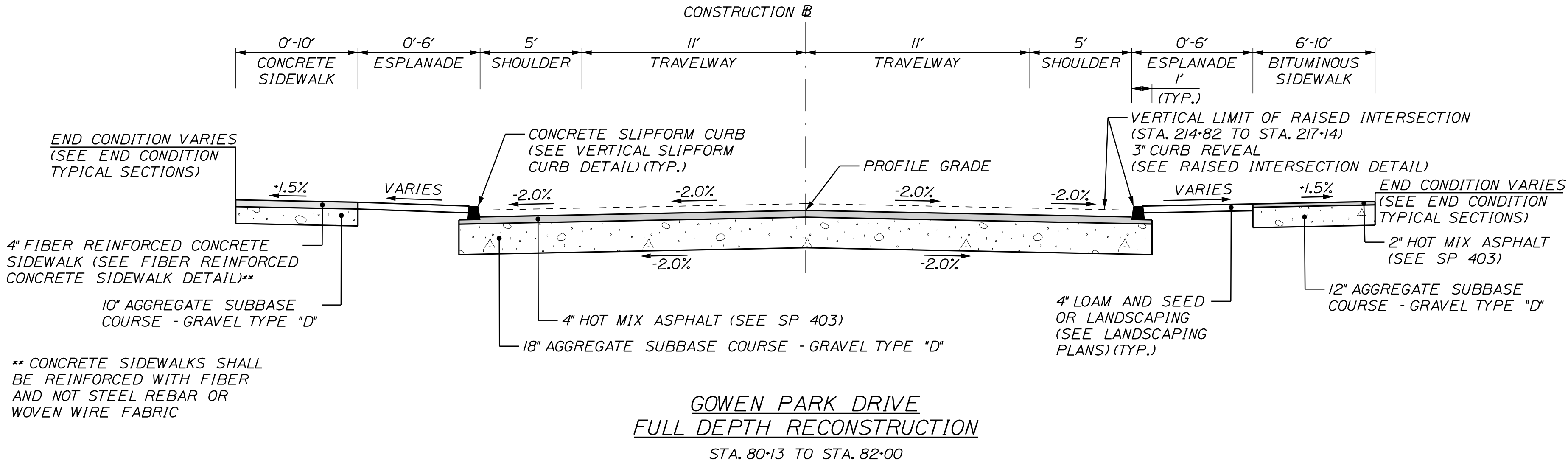
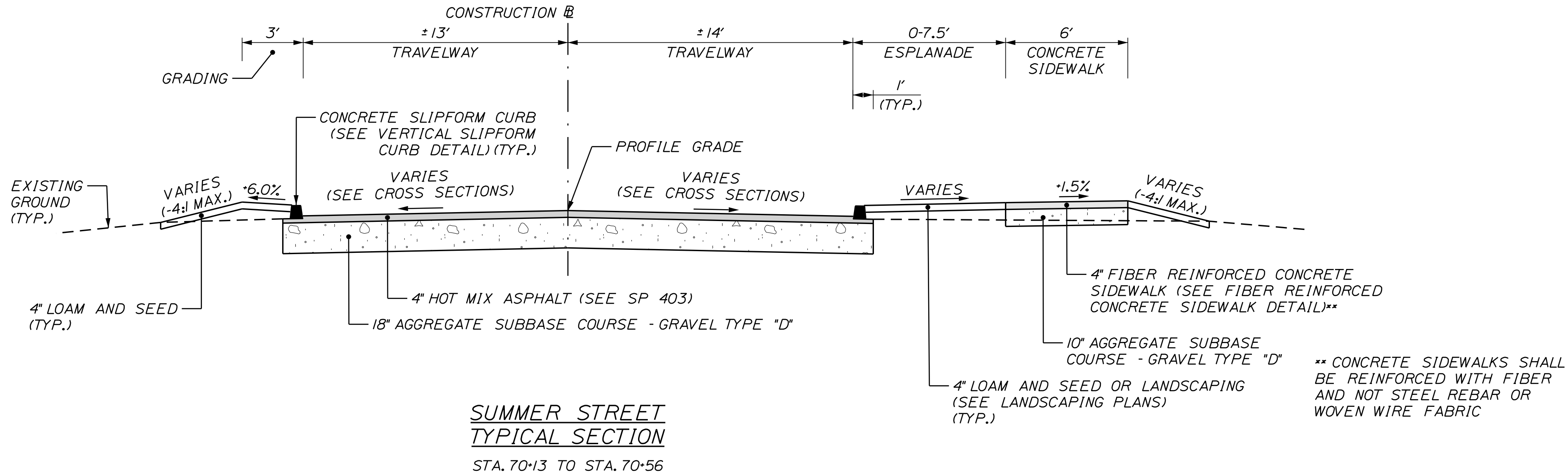
SANFORD
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TYPICAL SECTIONS

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6

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PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
M. HILL	T. WARREN	M. CUNDIFF	D. ETINGER	-	-	-	-	-
DATE	BY	DATE	BY	DATE	DATE	DATE	DATE	DATE
09/25	M. CUNDIFF	09/25	D. ETINGER	-	-	-	-	-
SIGNATURE	P.E. NUMBER	DATE	DATE	DATE	DATE	DATE	DATE	DATE
-	-	-	-	-	-	-	-	-

SANFORD
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TYPICAL SECTIONS

SHEET NUMBER

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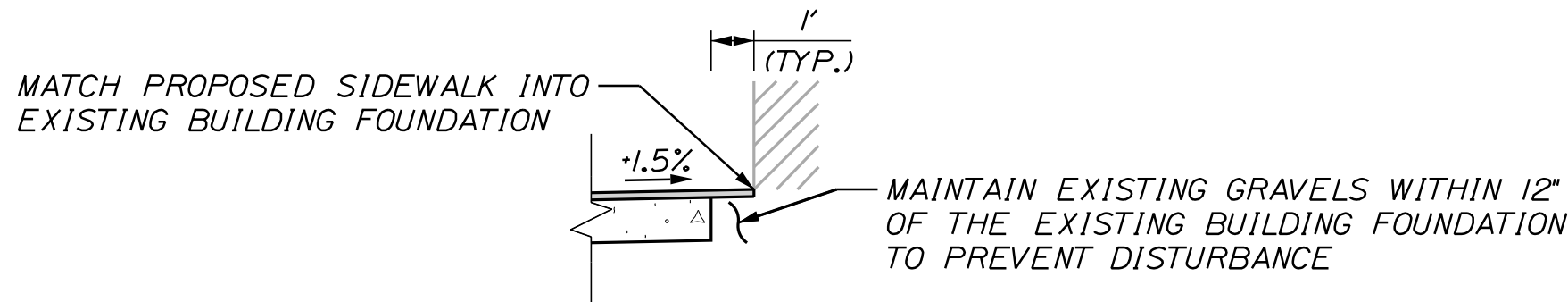
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Division: HIGHWAY

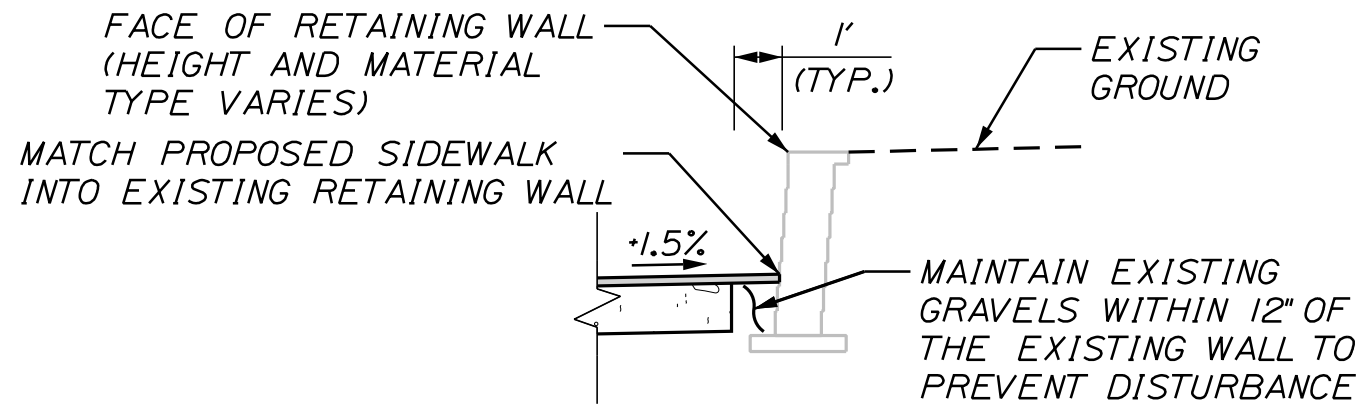
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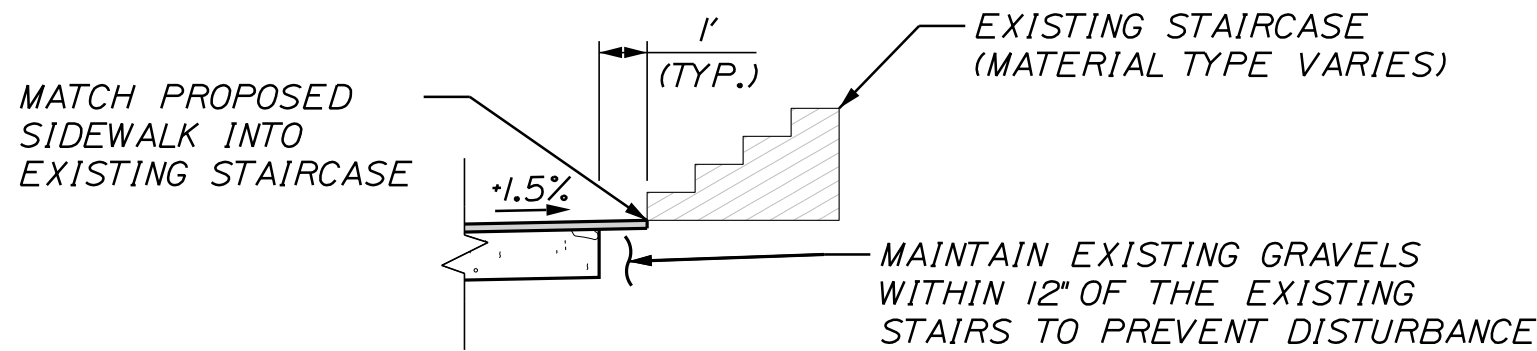
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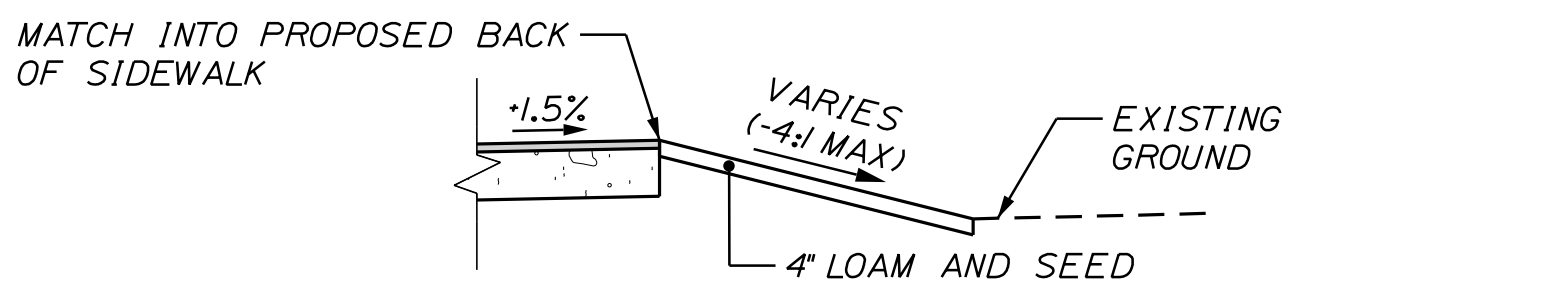
EXISTING BUILDING



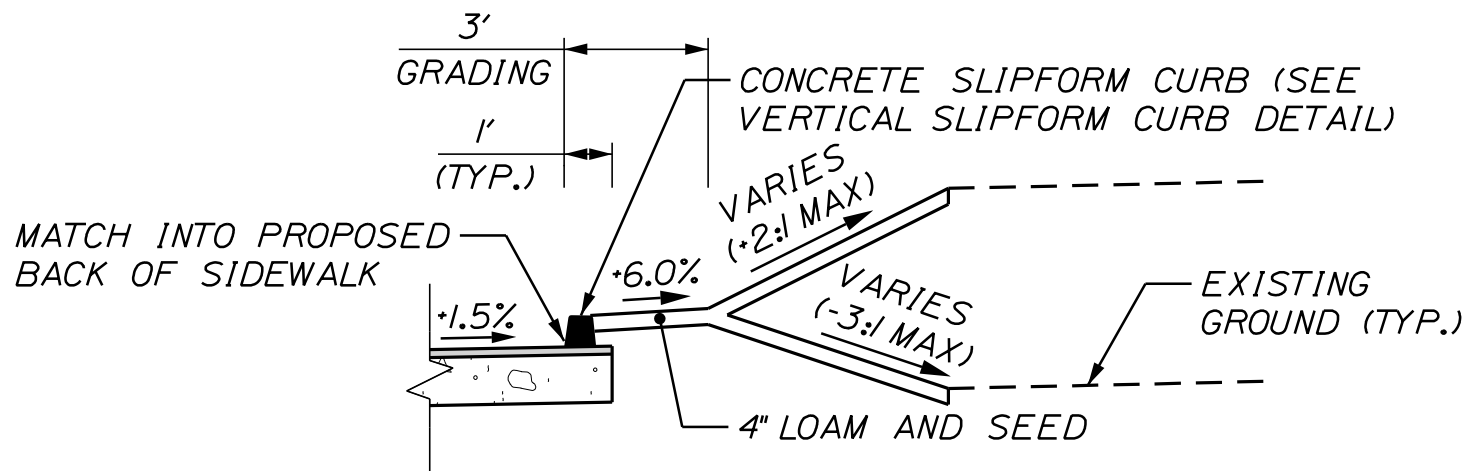
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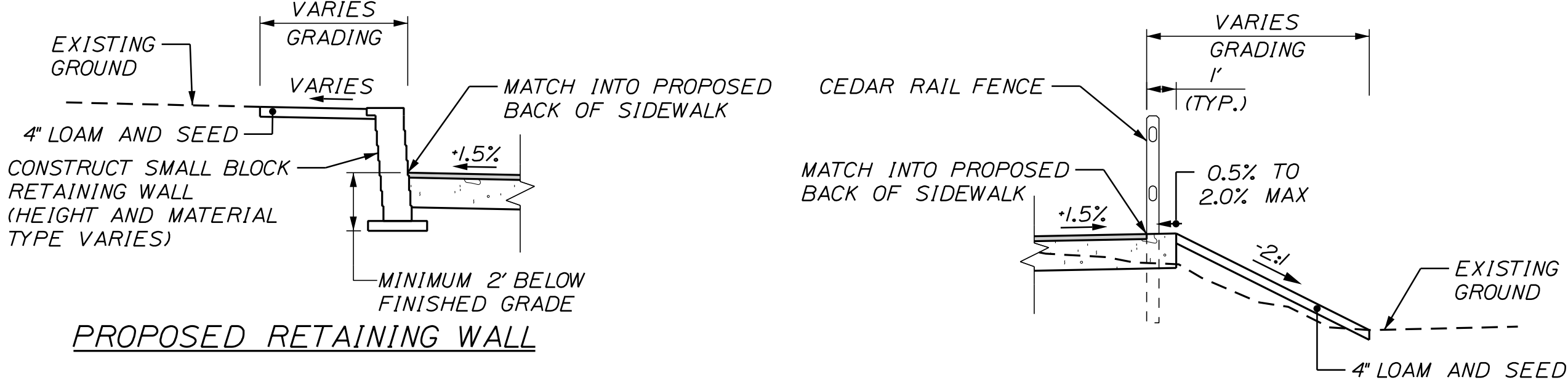
EXISTING STAIRCASE



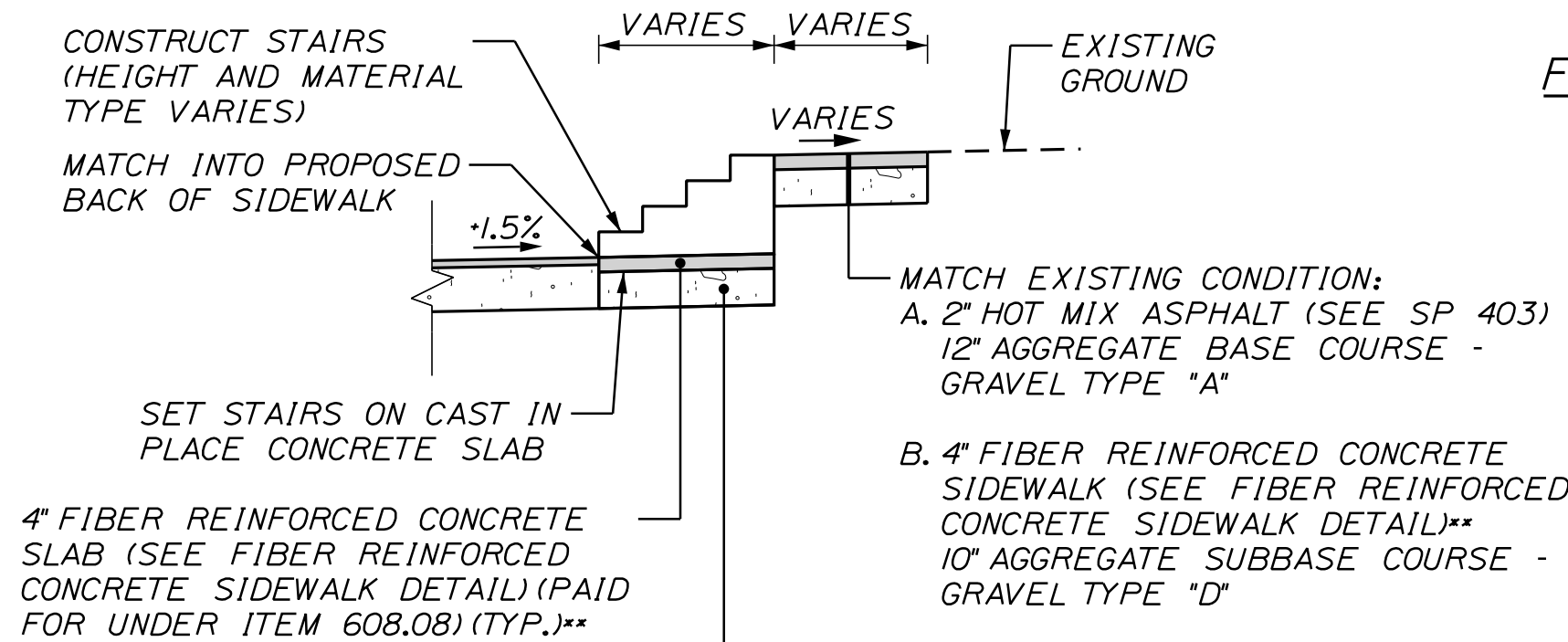
GRADING BEHIND SIDEWALK



SIDEWALK BACKCURB WITH GRADING



PROPOSED RETAINING WALL



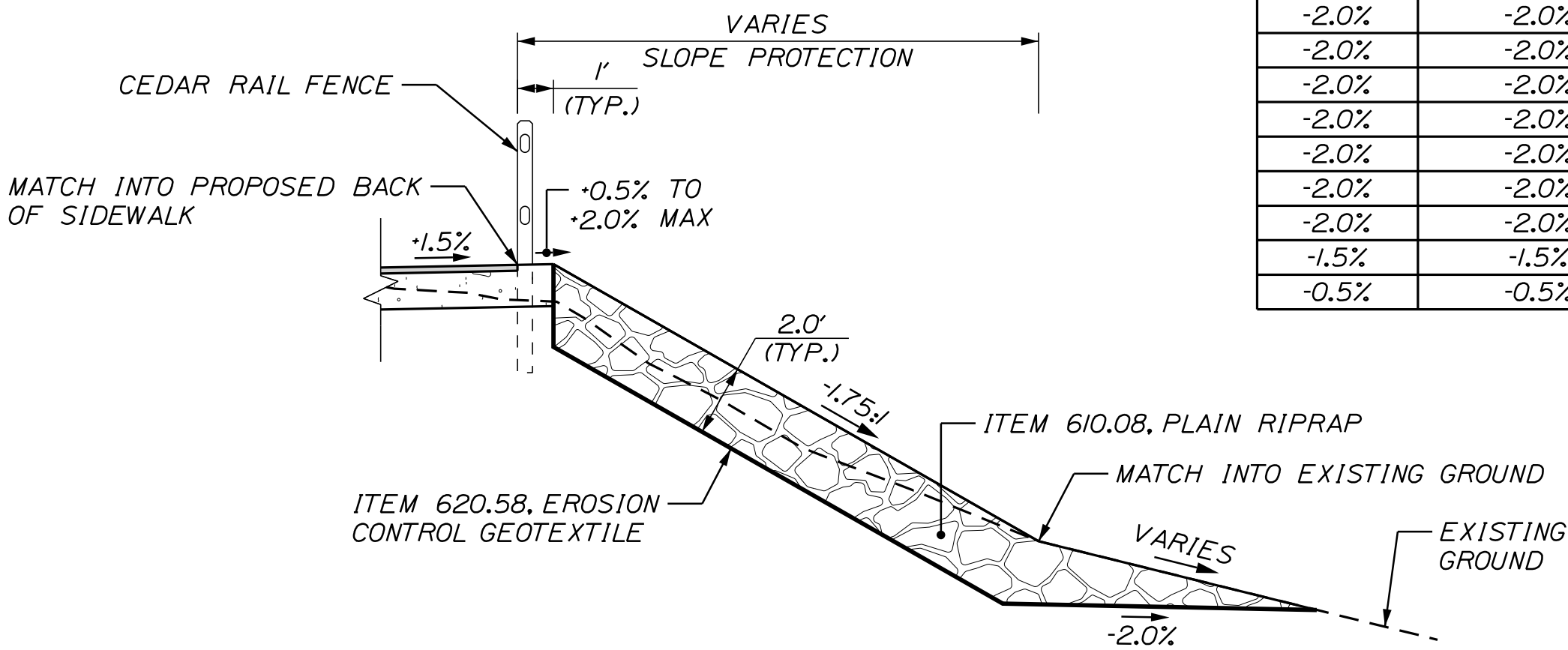
PROPOSED STAIRS

** CONCRETE SHALL BE REINFORCED WITH FIBER AND NOT STEEL REBAR OR WOVEN WIRE FABRIC

SH. = SHOULDER
ESP. = ESPLANADE
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RIVERSIDE AVENUE CROSS SLOPE (e) TABLE				
LEFT SHOULDER	LEFT TRAVELWAY	STATION	RIGHT TRAVELWAY	RIGHT SHOULDER
-	-	100+00	-	-
-	-	100+50	-	-
0.5%	0.5%	101+00	-2.0%	-2.0%
-1.0%	-1.0%	101+50	-2.0%	-2.0%
-2.0%	-2.0%	102+00	-2.0%	-2.0%
-2.0%	-2.0%	102+50	-2.0%	-2.0%
-2.0%	-2.0%	103+00	-2.0%	-2.0%
-2.0%	-2.0%	103+50	-2.0%	-2.0%
-2.0%	-2.0%	104+00	-2.0%	-2.0%
-2.0%	-2.0%	104+50	-2.0%	-2.0%
-2.0%	-2.0%	105+00	-2.0%	-2.0%
-1.5%	-1.5%	105+50	-2.0%	-2.0%
-1.5%	-1.5%	106+00	-2.0%	-2.0%
-1.5%	-1.5%	106+50	-2.0%	-2.0%
-1.5%	-1.5%	107+00	-2.0%	-2.0%
-1.5%	-1.5%	107+50	-2.0%	-2.0%
0.5%	0.5%	108+00	-2.0%	-2.0%
2.5%	2.5%	108+50	-2.5%	-2.5%
4.5%	4.5%	109+00	-4.5%	-4.5%
4.5%	4.5%	109+50	-4.5%	-4.5%
6.0%	6.0%	110+00	-6.0%	-6.0%
6.0%	6.0%	110+50	-6.0%	-6.0%
6.0%	6.0%	111+00	-6.0%	-6.0%
6.0%	6.0%	111+50	-6.0%	-6.0%
6.0%	6.0%	112+00	-6.0%	-6.0%
6.0%	6.0%	112+50	-6.0%	-6.0%
6.0%	6.0%	113+00	-6.0%	-6.0%
6.0%	6.0%	113+50	-6.0%	-6.0%
6.0%	6.0%	114+00	-6.0%	-6.0%
6.0%	6.0%	114+50	-6.0%	-6.0%
4.5%	4.5%	115+00	-4.5%	-4.5%
4.5%	4.5%	115+50	-4.5%	-4.5%
4.5%	4.5%	116+00	-4.5%	-4.5%
4.5%	4.5%	116+50	-4.5%	-4.5%
4.5%	4.5%	117+00	-4.5%	-4.5%
3.5%	3.5%	117+50	-3.5%	-3.5%
2.5%	2.5%	118+00	-2.5%	-2.5%
2.5%	2.5%	118+50	-2.5%	-2.5%
2.5%	2.5%	119+00	-2.5%	-2.5%
2.5%	2.5%	119+40	-2.5%	-2.5%

WILLIAM OSCAR EMERY DRIVE CROSS SLOPE (e) TABLE				
LEFT SHOULDER	LEFT TRAVELWAY	STATION	RIGHT TRAVELWAY	RIGHT SHOULDER
2.5%	2.5%	205+50	-2.5%	-2.5%
2.5%	2.5%	206+00	-2.5%	-2.5%
2.5%	2.5%	206+50	-2.5%	-2.5%
2.5%	2.5%	207+00	-2.5%	-2.5%
2.5%	2.5%	207+50	-2.5%	-2.5%
2.5%	2.5%	208+00	-2.5%	-2.5%
2.5%	2.5%	208+50	-2.5%	-2.5%
2.5%	2.5%	209+00	-2.5%	-2.5%
2.5%	2.5%	209+50	-2.5%	-2.5%
2.0%	2.0%	210+00	-2.0%	-2.0%
2.0%	2.0%	210+50	-2.0%	-2.0%
2.0%	2.0%	211+00	-2.0%	-2.0%
2.0%	2.0%	211+50	-2.0%	-2.0%
2.0%	2.0%	212+00	-2.0%	-2.0%
1.5%	1.5%	212+50	-2.0%	-2.0%
1.0%	1.0%	213+00	-2.0%	-2.0%
0.5%	0.5%	213+50	-2.0%	-2.0%
-0.5%	-0.5%	214+00	-2.0%	-2.0%
-1.0%	-1.0%	214+50	-2.0%	-2.0%
-2.0%	-2.0%	215+00	-2.0%	-2.0%
-2.0%	-2.0%	215+50	-2.0%	-2.0%
-2.0%	-2.0%	216+00	-2.0%	-2.0%
-2.0%	-2.0%	216+50	-2.0%	-2.0%
-2.0%	-2.0%	217+00	-2.0%	-2.0%
-2.0%	-2.0%	217+50	-2.0%	-2.0%
-2.0%	-2.0%	218+00	-2.0%	-2.0%
-2.0%	-2.0%	218+50	-2.0%	-2.0%
-2.0%	-2.0%	219+00	-2.0%	-2.0%
-2.0%	-2.0%	219+50	-2.0%	-2.0%
-2.0%	-2.0%	220+00	-2.0%	-2.0%
-2.0%	-2.0%	220+50	-2.0%	-2.0%
-2.0%	-2.0%	221+00	-2.0%	-2.0%
-2.0%	-2.0%	221+50	-2.0%	-2.0%
-2.0%	-2.0%	222+00	-2.0%	-2.0%
-2.0%	-2.0%	222+50	-2.0%	-2.0%
-2.0%	-2.0%	223+00	-2.0%	-2.0%
-2.0%	-2.0%	223+50	-2.0%	-2.0%
-2.0%	-2.0%	224+00	-2.0%	-2.0%
-2.0%	-2.0%	224+50	-2.0%	-2.0%
-2.0%	-2.0%	225+00	-2.0%	-2.0%
-2.0%	-2.0%	225+50	-2.0%	-2.0%
-2.0%	-2.0%	226+00	-2.0%	-2.0%
-2.0%	-2.0%	226+50	-2.0%	-2.0%
-2.0%	-2.0%	227+00	-2.0%	-2.0%
-2.0%	-2.0%	227+50	-2.0%	-2.0%
-2.0%	-2.0%	228+00	-2.0%	-2.0%
-2.0%	-2.0%	228+50	-2.0%	-2.0%
-2.0%	-2.0%	229+00	-2.0%	-2.0%
-2.0%	-2.0%	229+50	-2.0%	-2.0%
-2.0%	-2.0%	230+00	-2.0%	-2.0%
-2.0%	-2.0%	230+50	-2.0%	-2.0%
-2.0%	-2.0%	231+00	-2.0%	-2.0%
-1.5%	-1.5%	231+50	-2.0%	-2.0%
-0.5%	-0.5%	232+00	-2.0%	-2.0%



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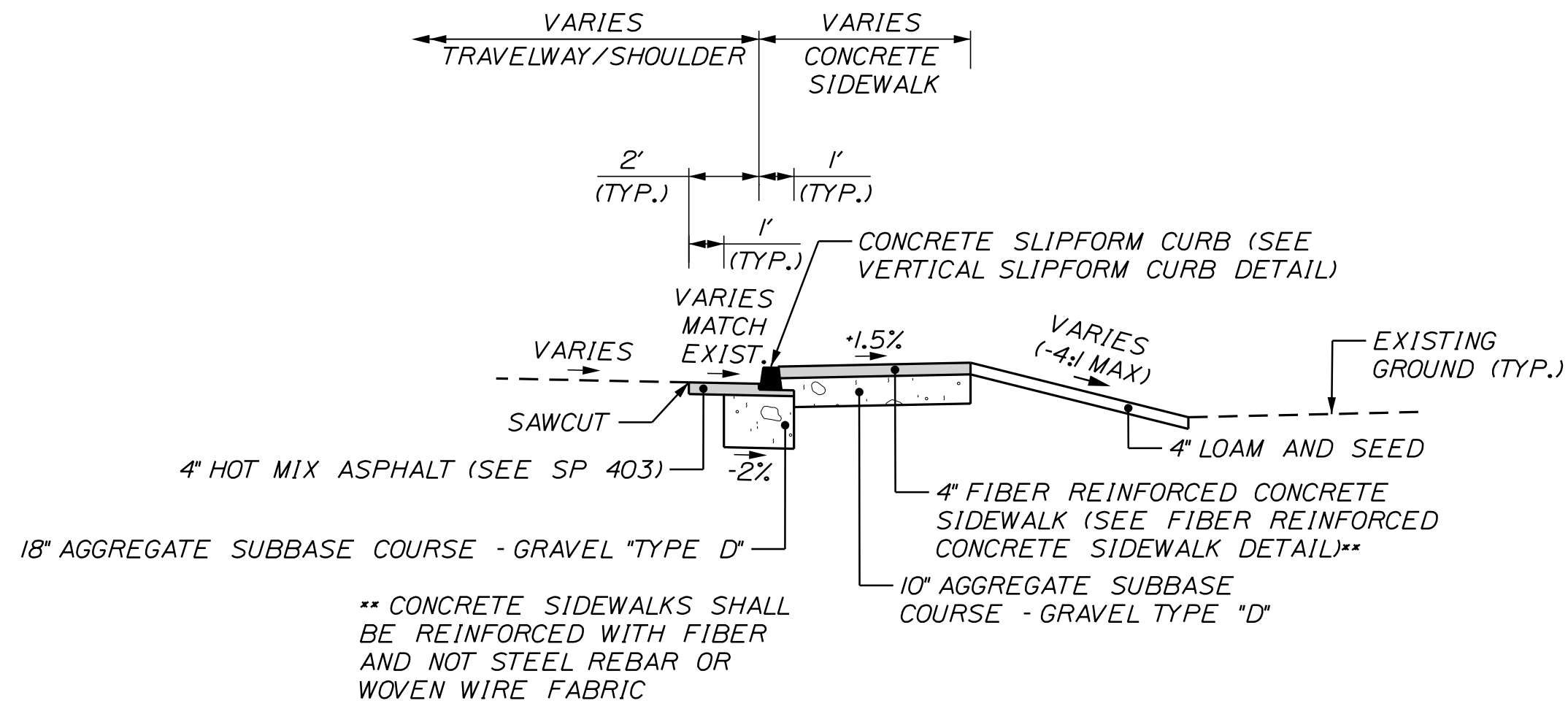
PROJ. MANAGER	M. HILL	BY	DATE
CHECKED-DETAILED	T. WARREN	M. CUNDIFF	09/25
DESIGNED-DETAILED	J. WILSON	D. ETINGER	09/25
DESIGNED-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
TYPICAL SECTIONS

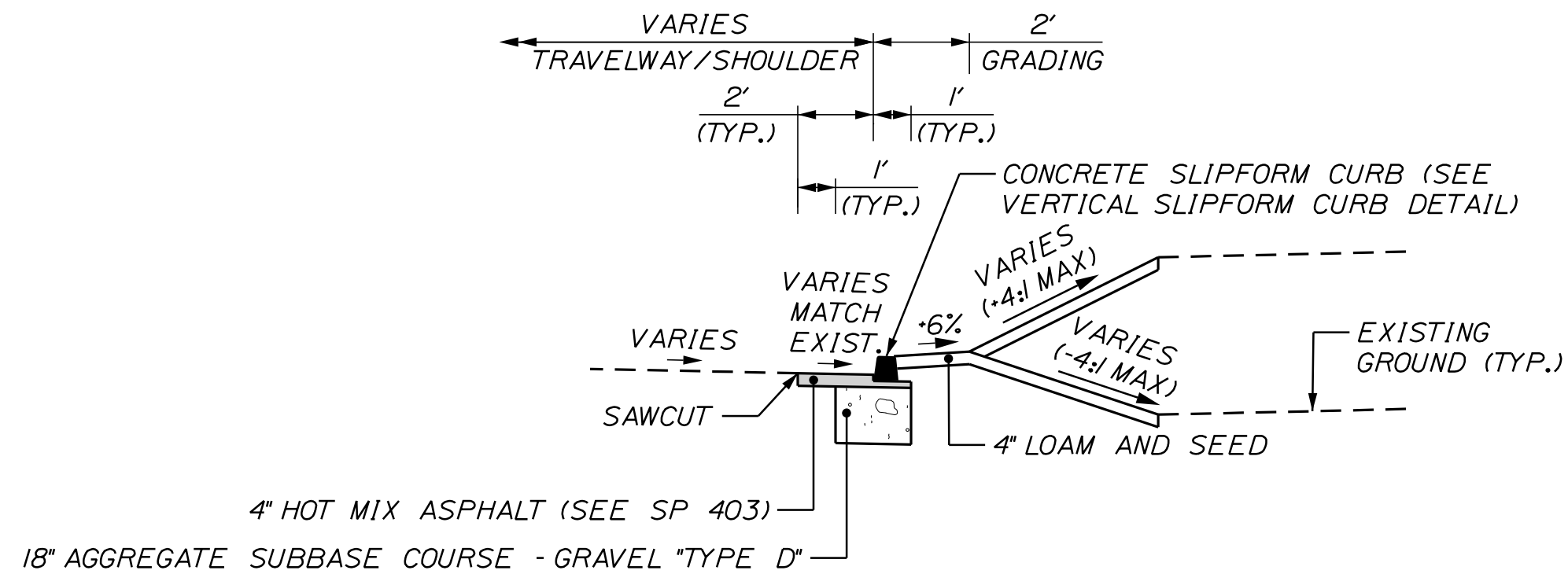
SHEET NUMBER

8

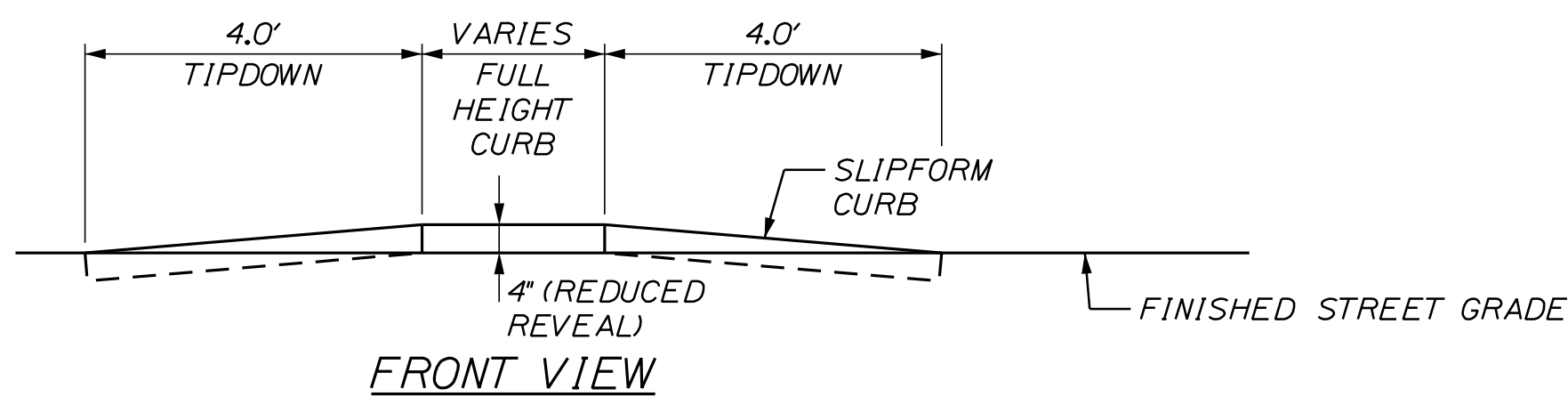
OF 106



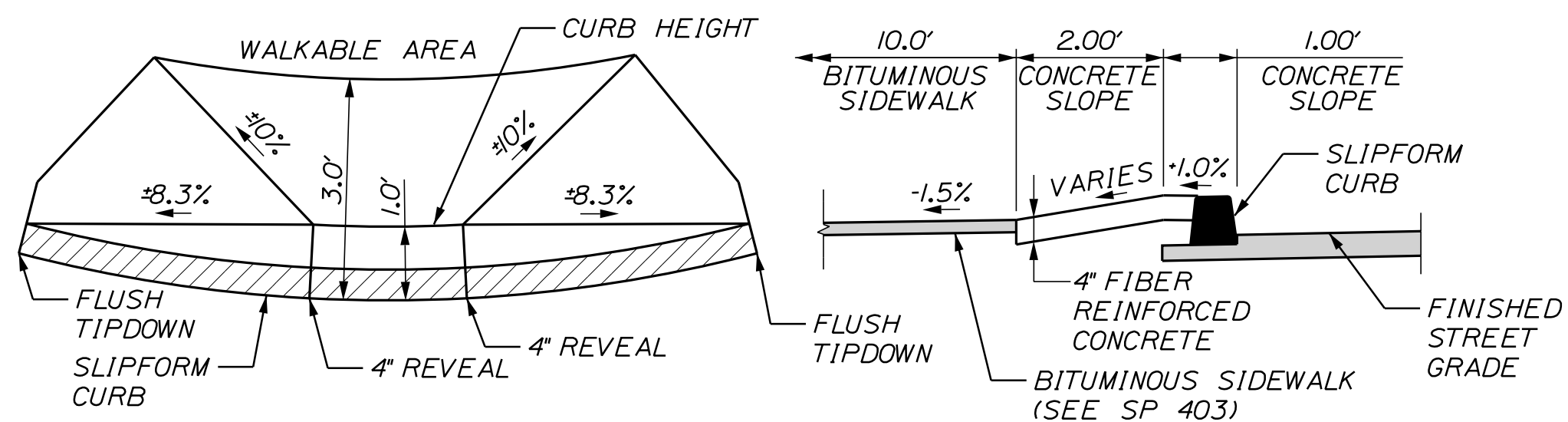
CONCRETE SLIPFORM CURB
WITH CONCRETE SIDEWALK DETAIL



CONCRETE SLIPFORM CURB
WITHOUT SIDEWALK DETAIL

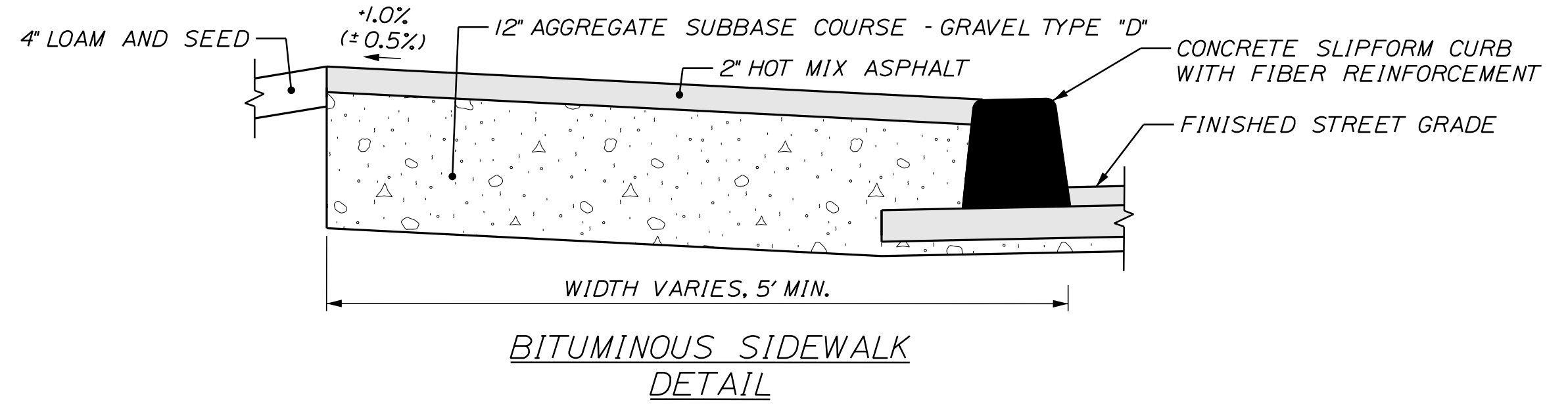


FRONT VIEW

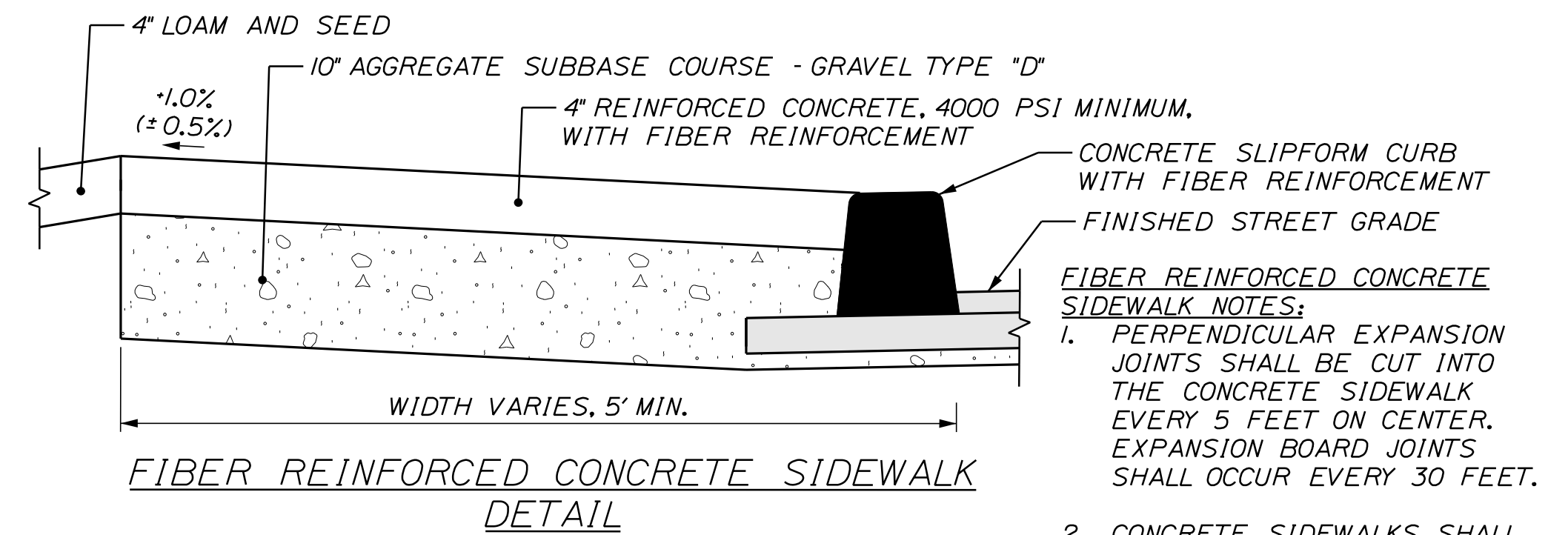


PLAN VIEW

ADA RAMP DETAIL
STA. 109+39 TO STA. 109+46, RT.

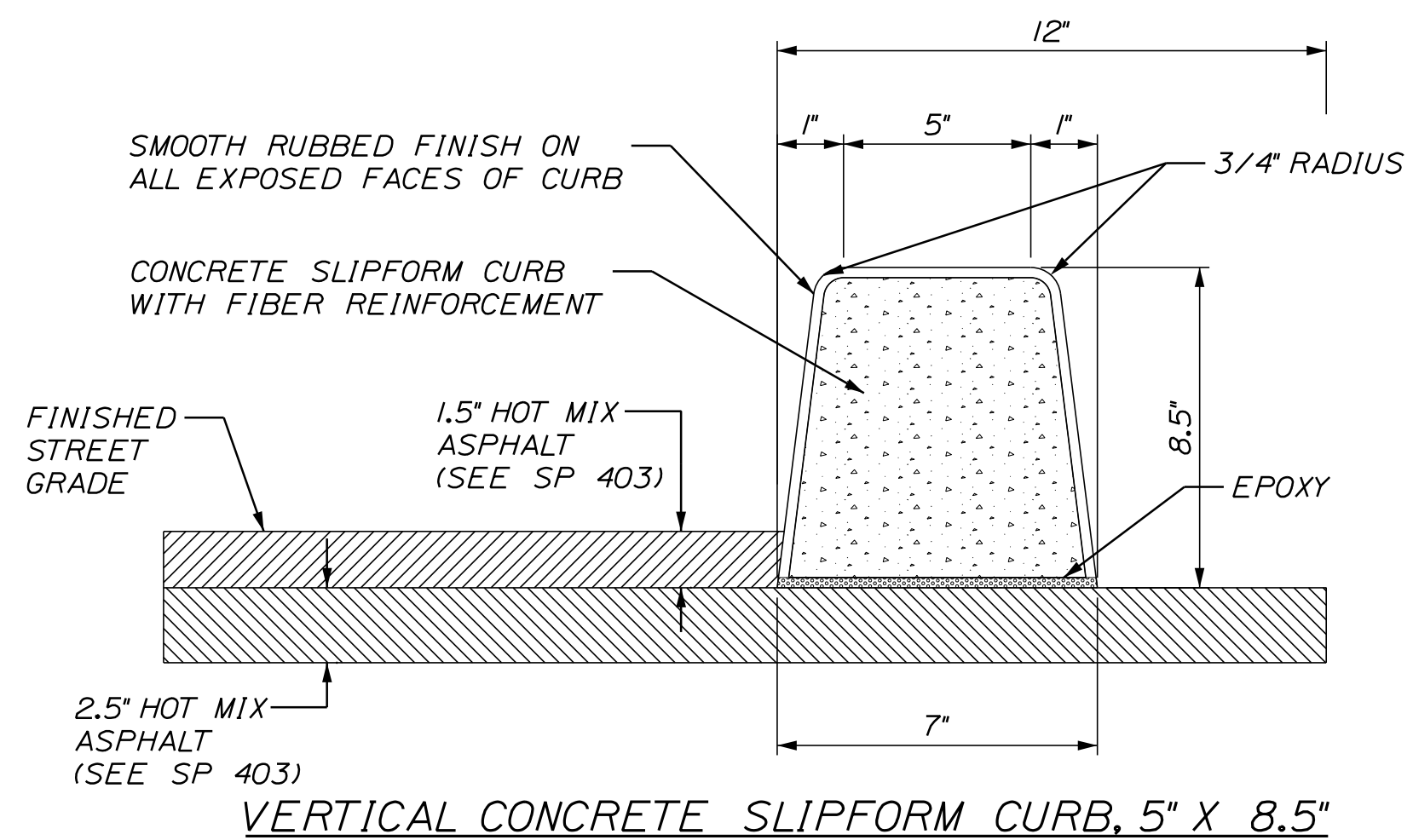


BITUMINOUS SIDEWALK
DETAIL



FIBER REINFORCED CONCRETE SIDEWALK
DETAIL

- FIBER REINFORCED CONCRETE
SIDEWALK NOTES:
1. PERPENDICULAR EXPANSION JOINTS SHALL BE CUT INTO THE CONCRETE SIDEWALK EVERY 5 FEET ON CENTER. EXPANSION BOARD JOINTS SHALL OCCUR EVERY 30 FEET.
 2. CONCRETE SIDEWALKS SHALL BE REINFORCED WITH FIBER AND NOT STEEL REBAR OR WOVEN WIRE FABRIC.



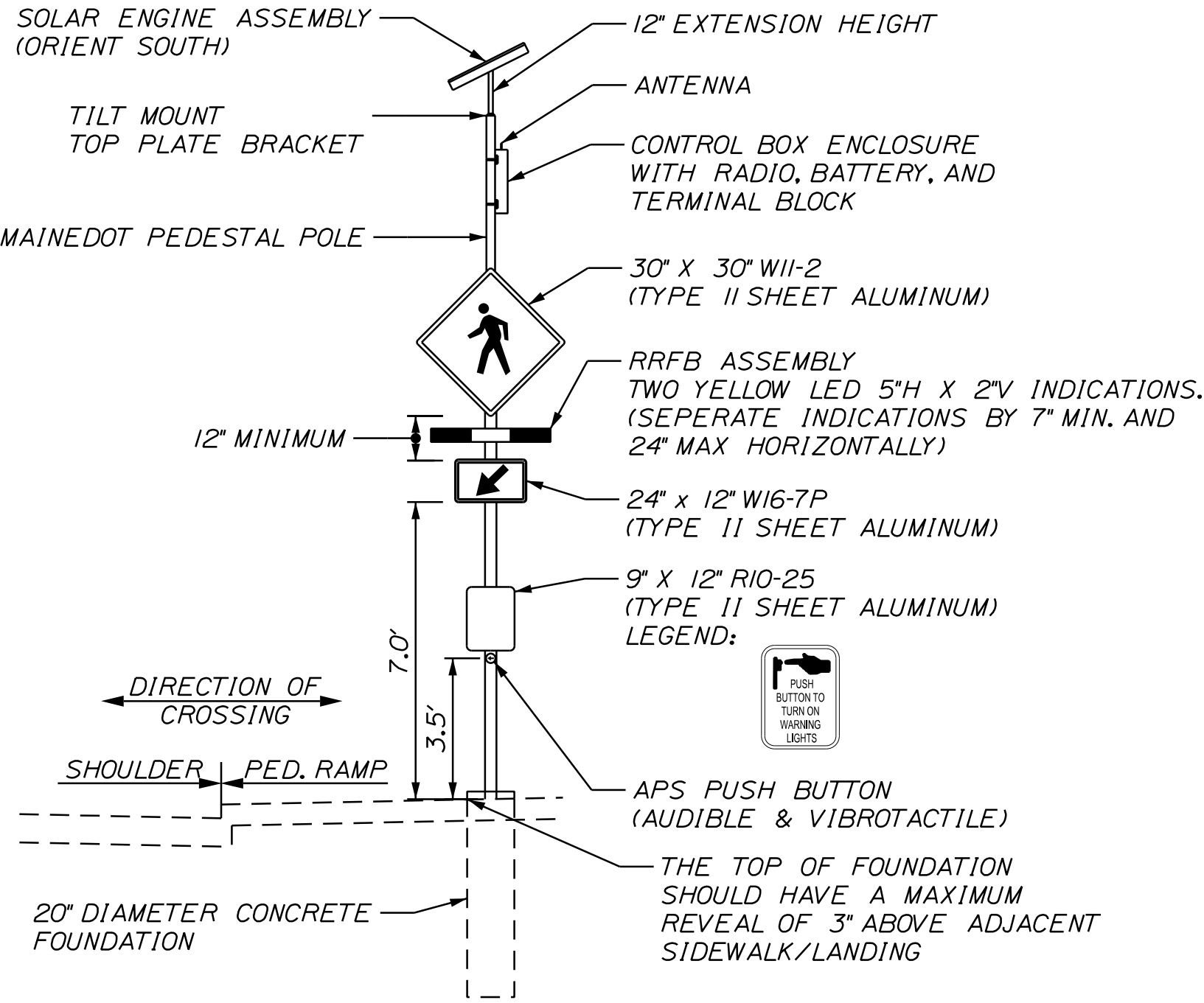
VERTICAL CONCRETE SLIPFORM CURB, 5" X 8.5"

- NOTES:
1. SEE MAINE DOT STANDARD DETAIL 609(10) FOR TERMINAL SECTION EXCAVATION DETAIL REQUIREMENTS TO ANCHOR CURB TERMINAL.
 2. TRANSITION LENGTHS FOR THE SIDEWALKS (6' WIDE OR LESS) ARE EIGHT (8) FEET LONG TYPICALLY. FOR ADDITIONAL INFORMATION REGARDING TIPDOWN LENGTHS SEE CURBING PLANS.
 3. TRANSITION LENGTHS FOR THE MULTI-USE PATH ARE TWELVE (12) FEET LONG TYPICALLY. FOR ADDITIONAL INFORMATION REGARDING TIPDOWN LENGTHS SEE CURBING PLANS.

SP = SPECIAL PROVISION

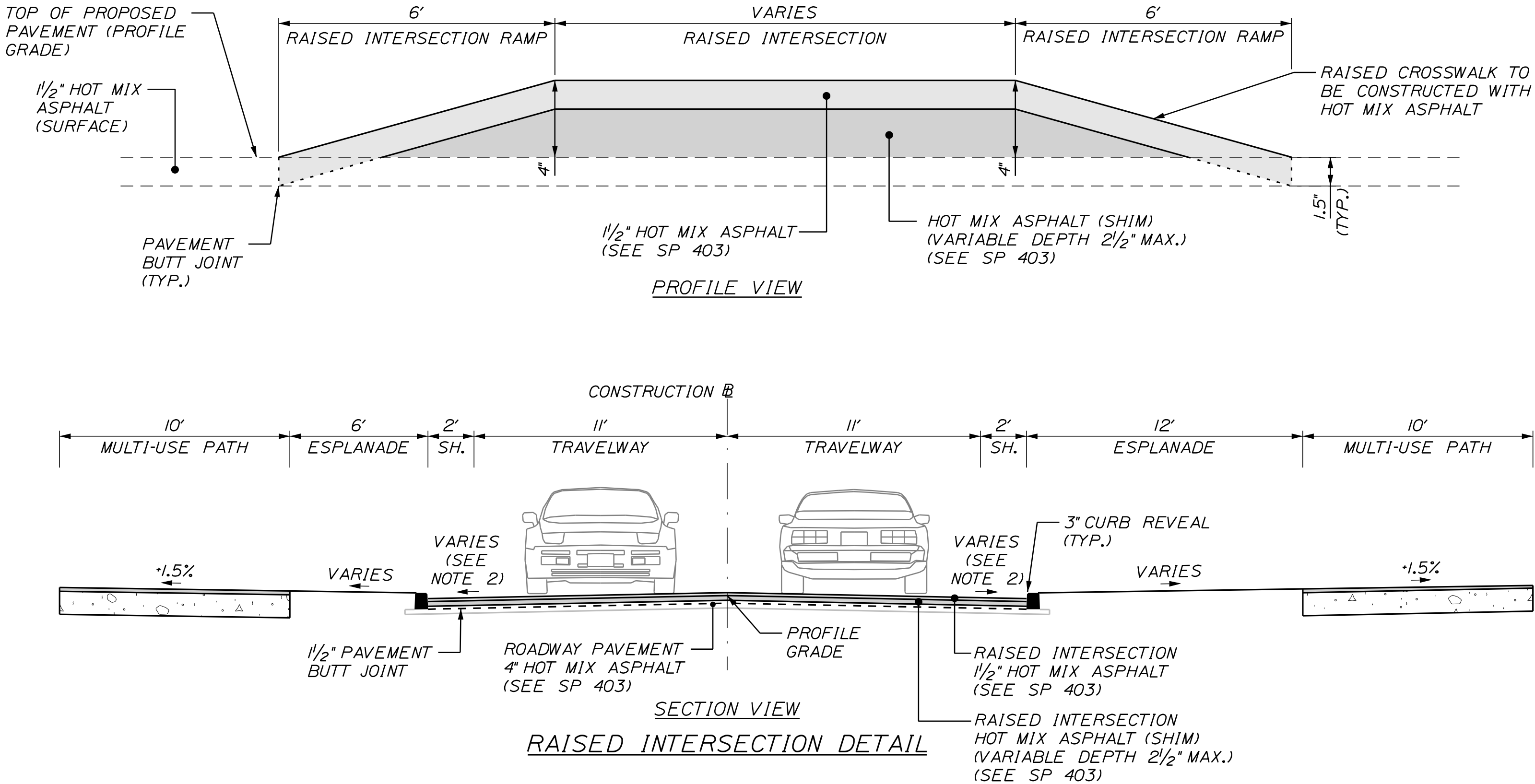
RECTANGULAR RAPID FLASHING BEACON NOTES:

1. RRFB ASSEMBLY PAIRS AT EACH CROSSWALK SHALL BE INTERCONNECTED WITH RADIO COMMUNICATIONS.
2. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED AT 3.5 FEET ABOVE ADJACENT ACCESSIBLE SURFACE GRADE.
3. MAXIMUM ALLOWABLE REACH DISTANCE FOR PEDESTRIAN PUSH BUTTONS IS 10 INCHES. INSTALL EXTENSION BRACKETS IF REQUIRED. PAYMENT FOR EXTENSION BRACKETS WILL BE INCIDENTAL TO ITEM 643.62.
4. ACCESSIBLE PEDESTRIAN PUSH BUTTONS ON RRFB PEDESTAL POLES SHALL BE PROVIDED WITH A PUSH BUTTON LOCATOR TONE AND A SPEECH MESSAGE. SPEECH MESSAGES SHALL BE "WINTER STREET (OR WILLIAM OSCAR EMERY DRIVE), YELLOW LIGHTS ARE FLASHING FOR WINTER STREET (OR WILLIAM OSCAR EMERY DRIVE)". SPEECH MESSAGES SHALL BE REPEATED AT LEAST TWICE FOR EACH PUSH BUTTON ACTIVATION.
5. LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE OF UNDERGROUND UTILITY FACILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK OR INSTALLATION OF POLES, JUNCTION BOXES, CONDUIT, OR GROUND-MOUNTED SIGNAGE AND SHALL NOTIFY UTILITIES OF PROPOSED WORK IN ACCORDANCE WITH MRSA TITLE 23 SECTION 3360-A. MAINE "DIG SAFE" SYSTEM. CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST THREE WORKING DAYS PRIOR TO THE BEGINNING OF EXCAVATION. ALL UTILITIES SHALL BE LOCATED BEFORE BEGINNING EXCAVATION.
6. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALLY COULD CONFLICT WITH AERIAL UTILITIES.
7. SPECIFIED RRFB ASSEMBLY LOCATIONS ARE MEASURED TO THE CENTER OF THE POSTS/FOUNDATIONS.
8. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.
9. THE MAINTENANCE OF RRFB ASSEMBLIES AND FLASHING SIGNAGE SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINEDOT.
10. WII-2 RRFB ASSEMBLY, AND W16-7P ARE INTENDED TO BE VISIBLE TO BOTH DIRECTIONS OF APPROACHING TRAFFIC ON EACH POST. INSTALL TWO OF EACH ON EACH POST.



NOTES:

1. FLASH DURATION FOR THE WINTER STREET CROSSING SHALL BE 25 SECONDS.
2. FLASH DURATION FOR THE WILLIAM OSCAR EMERY DRIVE CROSSING SHALL BE 20 SECONDS.
3. INSTALL R10-25 SIGNAGE AND PUSH BUTTONS TO ALIGN TO DIRECTION OF CROSSING.
4. PUSH BUTTONS MUST BE LOCATED NO MORE THAN 10' FROM EDGE OF SIDEWALK.
5. ALIGN WII-2 RRFB ASSEMBLY AND W16-7P TO FACE TRAFFIC.



NOTES:

1. GRIND/MILL EXISTING PAVEMENT 1.5" DEEP ON ALL SIDES OF THE RAISED INTERSECTION TO PROVIDE FOR A FLUSH TRANSITION.
2. RAISED INTERSECTION CROSS SLOPES TO MATCH PROPOSED ROADWAY CROSS SLOPES.

NOT TO SCALE



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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
DETAILS SHEET

SHEET NUMBER

10

OF 106

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	36	EA
201.24	REMOVING STUMP	36	EA
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	24	EA
202.202	REMOVING PAVEMENT SURFACE	6400	SY
203.20	COMMON EXCAVATION	10100	CY
203.21	ROCK EXCAVATION	110	CY
203.24	COMMON BORROW	1500	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL (TYPE D)	9000	CY
403.207	HOT MIX ASPHALT,19.0 mm NOMINAL MAXIMUM SIZE	1750	T
403.208	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE	1600	T
403.209	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	920	T
403.211	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SHIMMING)	500	T
409.15	BITUMINOUS TACK COAT, APPLIED	680	G
502.461	STRUCTURAL CONCRETE, REPLACE CONCRETE SLAB	3	CY
603.050	6 INCH PVC PIPE	7	LF
603.155	12 INCH REINFORCED CONC. PIPE CLASS III	233	LF
603.1552	12 INCH REINFORCED CONC. PIPE CLASS IV	92	LF
603.159	12 INCH CULVERT PIPE OPTION III	346	LF
603.1652	15 INCH REINFORCED CONC. PIPE CLASS IV	121	LF
603.169	15 INCH CULVERT PIPE OPTION III	60	LF
603.175	18 INCH REINFORCED CONC. PIPE CLASS III	153	LF
603.1752	18 INCH REINFORCED CONC. PIPE CLASS IV	4	LF
603.41	24 INCH REINFORCED CONC. PIPE CLASS IV	92	LF
604.09	CATCH BASIN TYPE B1	4	EA
604.092	CATCH BASIN TYPE B1-C	41	EA
604.16	ALTERING CATCH BASIN TO MANHOLE	1	EA
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	9	EA
604.19	CORE INLET/OUTLET HOLE IN MANHOLE OR CATCH BASIN	1	EA
604.262	CATCH BASIN TYPE B5-C	10	EA
605.11	12 INCH UNDERDRAIN TYPE C	2800	LF
606.47	SINGLE WOOD POST	1	EA
607.22	CEDAR RAIL FENCE	800	LF
607.24	REMOVE AND RESET FENCE	180	LF
607.25	REMOVE AND RESET CHAIN LINK FENCE	190	LF
608.08	REINFORCED CONCRETE SIDEWALK	2000	SY
608.26	CURB RAMP DETECTABLE WARNING FIELD	580	SF
609.11	VERTICAL CURB TYPE 1	230	LF
609.12	VERTICAL CURB TYPE 1 - CIRCULAR	30	LF
609.21	CONCRETE SLIPFORM CURB	8100	LF
609.22	TERMINAL CONCRETE SLIPFORM CURB	1100	LF
609.34	CURB TYPE 5	610	LF
609.35	CURB TYPE 5 - CIRCULAR	60	LF
610.08	PLAIN RIPRAP	170	CY
613.319	EROSION CONTROL BLANKET	130	SY
615.07	LOAM	1450	CY
618.13	SEEDING METHOD NUMBER 1	114	UN
618.14	SEEDING METHOD NUMBER 2	6	UN
619.12	MULCH	120	UN
619.14	EROSION CONTROL MIX	7	CY
620.58	EROSION CONTROL GEOTEXTILE	290	SY
618.143	SPECIAL SEEDING (WILDFLOWER)	15	UN
621.279	LARGE DECIDUOUS TREE (2.5"-3" CAL.) GP A	169	EA
621.71	HERBACEOUS PERENNIALS (#1 CONT.) GP A	2607	EA
626.21	METALLIC CONDUIT	100	LF
626.22	NON-METALLIC CONDUIT - 1"	4400	LF
626.22	NON-METALLIC CONDUIT - 2"	100	LF
626.38	GROUND MOUNTED CABINET FOUNDATION	2	EA
626.421	24-INCH DIAMETER FOUNDATION	308	LF
626.421	24-INCH DIAMETER FOUNDATION	28	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	13500	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	2400	SF
629.05	HAND LABOR, STRAIGHT TIME	16	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	8	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	8	HR
631.14	GRADER (INCLUDING OPERATOR)	8	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	8	HR
631.18	CHAIN SAW RENTAL (INLCUDING OPERATOR)	8	HR
631.20	STUMP CHIPPER RENTAL (INCLUDING OPERATOR)	8	HR
631.32	CULVERT CLEANER (INCLUDING OPERATORS)	8	HR
634.2042	LED LUMINAIRE	64	EA
634.2101	CONVENTIONAL LIGHT STANDARD - 15 FEET	37	EA
634.2102	CONVENTIONAL LIGHT STANDARD - 18 FEET	27	EA
634.25	SERVICE POLE, CABINET & CONTROLS	2	EA
634.312	#2 AWG COPPER WIRE	16000	LF
634.315	#8 AWG COPPER WIRE	110	LF
637.071	DUST CONTROL	1	LS
641.10	STREETLIFE DRIFTER BENCH	9	EA
641.11	STREETLIFE HEAVEY-HEAVEY LOUNGER	4	EA
641.13	STREETLIFE BOX BINS EXTRA SLIM TRASH RECEPTACLE	3	EA
641.14	STREETLIFE BIKE RACK	5	EA
641.15	LARGE SIGN "MOUSAM PROMENADE"	2	EA
642.12	WOODEN STEPS	1	EA
642.15	PRECAST CONCRETE STEPS	7	EA
643.62	RECTANGULAR RAPID FLASHING BEACON (STA. 230+30)	1	LS
643.62	RECTANGULAR RAPID FLASHING BEACON (STA. 21+10)	1	LS
643.92	PEDESTAL POLE	4	EA
645.292	REGULATORY, WARNING, CONFIRMATION, AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	285	SF
652.31	TYPE I BARRICADE	4	EA
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	160	EA
652.34	CONE	200	EA
652.35	CONSTRUCTION SIGNS	525	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	160	CD
652.38	FLAGGERS	5000	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
658.20	ACRYLIC LATEX COLOR FINISH (GREEN)	40	SY
659.10	MOBILIZATION	1	LS
673.10	WET CAST SMALL LANDSCAPE BLOCK WALL	320	SF
803.01	TEST PIT	10	EA
804.01	REPLACE HYDRANT (MATERIALS ONLY)	4	EA

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM MODEL OR PLANS)
GRUBBING IN FILL
EXCAVATION FROM DRIVES
PAVEMENT SALVAGE IN FILL

TOTAL COMMON EXCAVATION

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM MODEL OR PLANS)
GRUBBING IN FILL
FILL FOR DRIVES
PAVEMENT SALVAGE IN FILL

TOTAL FILL

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (APPROX)

TOTAL ROCK EXCAVATION

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

ALL DEDUCTIONS:
GRUBBING IN CUT
GRUBBING IN FILL
PAVEMENT SALVAGE (FILL)

TOTAL DEDUCTIONS

TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)
RIPRAP & STONE DITCH EXCAVATION

TOTAL AVAILABLE NON-ROCK EXCAVATION

COMPUTATION OF WASTE MATERIAL

GRUBBING IN CUT
GRUBBING IN FILL

TOTAL WASTE MATERIAL TO BE WASTED

COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE

TOTAL AVAILABLE NON-ROCK EXCAVATION
TOTAL AVAILABLE ROCK EXCAVATION
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION (APPROX.)

TOTAL AVAILABLE EXCAVATION

BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION
(-) TOTAL FILL, (+) TOTAL WASTE MATERIAL TO BE WASTED

SURPLUS MATERIAL

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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

ESTIMATED QUANTITIES AND
EARTHWORK SUMMARY

SHEET NUMBER

11

[illegible]

SHEET NUMBER 13 OF 106	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	LAURE ROWE	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
		DESIGN-DETAILED	T. WARREN	M.CUNIFF	09/25	
		CHECKED-REVIEWED	J.WINDENBACH	D.ETTINGER	09/25	
		DESIGN2-DETAILED2	-	-	-	
		DESIGN3-DETAILED3	-	-	-	
	DRAINAGE SUMMARY	REVISIONS 1	-	-	-	P.E. NUMBER
		REVISIONS 2	-	-	-	
		REVISIONS 3	-	-	-	
		REVISIONS 4	-	-	-	DATE
		FIELD CHANGES	-	-	-	
WIN 025335.00						

GENERAL NOTES:

- ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITY UNLESS OTHERWISE NOTED.
- THE LOCATION OF THE EXISTING UTILITIES AND DRAINAGE SHOWN ON THE PLANS WERE COMPILED FROM FIELD SURVEY. LOCATIONS ARE APPROXIMATE AND NOT GUARANTEED TO BE ACCURATE, NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED.
- ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE INSPECTOR.
- ANY FINE GRADING AND/OR RECOMPACTION OF GRAVEL SHALL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 304.10 AND 304.14.
- PAVEMENT CUT LINES SHALL BE NEAT, CLEAN AND STRAIGHT AS DIRECTED BY THE INSPECTOR. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO 403 ITEMS.
- REMOVAL OF EXISTING CURBING SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20 - COMMON EXCAVATION.
- ALL GRANITE CURBING THAT IS REMOVED AND STACKED AND NOT REUSED ON THE PROJECT SHALL BE TURNED OVER TO THE CONTRACTOR. PAYMENT FOR WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION.
- LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DIRECTED BY THE INSPECTOR.
- LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
- ALL DISTURBED SLOPE AREAS SHALL BE LOAMED AND SEEDED, UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED.
- MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 1.
- ANY DAMAGE TO EXISTING SLOPES AND PAVEMENT AREAS CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE INSPECTOR. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR DIRECTED BY THE INSPECTOR.
- DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE INSPECTOR.
- IN AREAS WHERE THE INSPECTOR DIRECTS THE CONTRACTOR NOT TO EXCAVATE TO THE SUBGRADE LINE SHOWN ON THE PLANS, PAYMENT FOR REMOVING EXISTING PAVEMENT, GRUBBING, SHAPING, DITCHING, AND COMPACTING THE EXISTING SUBBASE AND LAYERS OF NEW SUBBASE 6 INCHES OR LESS THICK WILL BE MADE UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS.
- AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.
- ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE INSPECTOR. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
- EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE INSPECTOR. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).
- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE INSPECTOR.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, LATEST EDITION.
- NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

- ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE SAWCUT AND VERTICAL, AS NOTED OR DIRECTED.
- PAVEMENT THICKNESS SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
- ALL WORK TO CONFORM TO CURRENT MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND CITY OF SANFORD TECHNICAL MANUAL.
- "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE INSPECTOR.
- STATIONS REFERENCED ARE APPROXIMATE.
- PROPOSED SAWCUT AND BOX GRAVEL LOCATIONS ARE SUBJECT TO CHANGE AT THE DIRECTION OF THE INSPECTOR.
- THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.
- CUTTING OF EXISTING CURB SHALL BE INCIDENTAL TO CURB PAY ITEMS OF THE CONTRACT.
- EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
- THE CITY OF SANFORD SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED. THE CITY OF SANFORD AND THE INSPECTOR SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS.
- DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES.
- DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL SUBMIT A PLAN TO CONTROL TRAFFIC DURING CONSTRUCTION TO THE CITY OF SANFORD FOR APPROVAL, CONFORMING TO THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", MOST CURRENT EDITION. THE PLAN SHALL BE SPECIFIC TO THE PROJECT CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE THE CITY OF SANFORD AND THE INSPECTOR WITH A SCHEDULE OF WORK FOR CONSTRUCTING THE IMPROVEMENTS AND AN EMERGENCY CONTACT LIST.
- THE PLACEMENT OF BITUMINOUS PAVING MATERIALS SHALL BE SUBJECT TO ALL OF THE WEATHER AND SEASONAL LIMITATIONS OUTLINED IN MAINEDOT STANDARD SPECIFICATIONS.
- PROPERTY LINE AND R.O.W. MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTOR'S EXPENSE, BY A MAINE PROFESSIONAL LAND SURVEYOR.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL AUTHORIZED BY THE CITY OF SANFORD.
- CATCH BASIN AND RIM ELEVATIONS NOTED ON THE PLANS ARE THE TOP OF GRATE ELEVATIONS AT THE CENTER OF THE GRATE. CATCH BASIN OFFSET LOCATIONS ARE MEASURED TO THE CENTER OF GRATE.
- ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.
- ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.
- ALL PAVED SIDEWALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE INSPECTOR.
- THE CONTRACTOR SHALL COMPLETE THE WORK WITHIN THE RIGHT-OF-WAY, AND WILL BE RESPONSIBLE IF THEY TRESPASS ON PRIVATE PROPERTY.
- ALL CONCRETE SIDEWALKS/PATHWAYS TO BE CONSTRUCTED WITH 10" AGGREGATE SUBBASE COURSE - GRAVEL AND 4" REINFORCED CONCRETE WITH FIBER REINFORCEMENT ONLY.
- PROPOSED UTILITY POLE LOCATIONS ARE APPROXIMATE AND SHOWN ON THE PLANS. FINAL POLE LOCATIONS WILL BE DETERMINED BY CMP IN THE FIELD.
- REMOVAL OF EXISTING DRAINAGE, AS NOTED ON THE PLANS, SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION.
- PAYMENT FOR PAVEMENT AND CONCRETE REMOVAL WHERE SHOWN ON THE PLANS SHALL BE PAID FOR UNDER ITEM 203.20, COMMON EXCAVATION.

- DETECTABLE WARNING FIELDS SHALL BE INSTALLED AT EACH CURB RAMP ADJACENT TO A MARKED CROSSWALK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BIDDING.
- ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE THEIR OWN MATERIAL SCHEDULES BASED UPON THEIR PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS, OR PERFORMING WORK.
- CONTRACTOR SHALL NOT PARK, IMPEDE ACCESS, OR STORE EQUIPMENT/MATERIAL ON ADJACENT CITY OR PRIVATELY OWNED LAND WITHOUT WRITTEN CONSENT FROM THE CITY OR LAND OWNER.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES TO ORIGINAL FINISH SURFACE (ROADWAY, SIDEWALK, ETC.) UNLESS NOTED OTHERWISE ON PLANS. RESTORATION OF PAVED SURFACES, SIDEWALKS AND OTHER AREAS SHALL BE INCIDENTAL TO THE PROJECT. ALL CURB DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND AND SHALL CONFORM TO MAINEDOT/CITY STANDARDS. COST SHALL BE INCIDENTAL TO THE PROJECT.
- CITY RETAINS THE RIGHT TO KEEP ANY AND ALL REMOVED FACILITIES/STRUCTURES AND MATERIALS. CONTRACTOR SHALL DISPOSE OF UNWANTED/UNUSED FACILITIES/STRUCTURES OFF SITE IN CONFORMANCE WITH APPLICABLE FEDERAL, STATE, AND LOCATION REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TREES AND SHRUBS ON THE PROJECT WHICH ARE NOT TO BE REMOVED.
- ALL PEDESTRIAN RAMPS SHALL BE 6 FT. WIDE MINIMUM OR AS SHOWN ON PLANS. ALL PEDESTRIAN RAMPS SHALL MEET THE AMERICANS WITH DISABILITIES ACT STANDARDS, LATEST EDITION.
- DETECTABLE WARNING FIELDS SHALL BE 24 INCHES WIDE AND EXTEND THE FULL WIDTH OF THE RAMP OPENINGS. ACTUAL PAYMENT FOR ITEM 608.26 SHALL INCLUDE ANY CUTTING OF THE DETECTABLE WARNING FIELDS AND ALL CONCRETE WORK REQUIRED BY THE DETAILS.
- CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS, RAMPS AND LANDINGS TO BE ADA COMPLIANT IN ACCORDANCE WITH THE MAINEDOT'S LATEST STANDARD DETAILS AND RELATED NOTES. THESE STANDARD DETAILS AND NOTES APPLY TO ALL SIDEWALK TYPES (BITUMINOUS, CONCRETE, BRICK, ETC.). CONTRACTOR SHALL VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT PRIOR TO PLACEMENT OF THE SURFACE MATERIAL AND SHALL COORDINATE WITH THE INSPECTOR ON ANY NON-COMPLIANT LOCATIONS (PRIOR TO PLACEMENT OF SURFACE MATERIAL). CONTRACTOR SHALL ALSO VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT AFTER PLACEMENT OF THE SURFACE MATERIAL. FAILURE TO CONSTRUCT SIDEWALKS, RAMPS AND LANDINGS TO BE ADA COMPLIANT WITHOUT EXCEPTION DOCUMENTATION MAY RESULT IN REJECTION OF WORK BY THE INSPECTOR. CONTRACTOR SHALL REBUILD ALL REJECTED WORK AREAS AT NO ADDITIONAL COST TO THE PROJECT. CONTRACTOR SHALL PLAN THE WORK ACCORDINGLY.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL GRADE GUTTER LINE TO ENSURE THAT NO CROSSWALK LANDING IS AT A LOW POINT.
- 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 BE CONSIDERED INCIDENTAL TO THE 603 AND 605 ITEMS.
- FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE INSPECTOR.
- PRIOR TO PLACEMENT OF SURFACE PAVEMENT, CONTRACTOR SHALL CHECK AND ENSURE POSITIVE DRAINAGE FLOW ALONG THE GUTTER LINES. COORDINATE WITH INSPECTOR ON ANY AREAS OF CONCERN. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.
- RESIDENTIAL CONCRETE ENTRANCES SHALL BE CONSTRUCTED WITH 10" AGGREGATE SUBBASE COURSE - GRAVEL AND 6" REINFORCED CONCRETE WITH FIBER REINFORCEMENT ONLY.
- RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
- COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
- TEST PITS SHALL BE COMPLETED AT ALL LOCATIONS WHERE PROPOSED EQUIPMENT MAY CONFLICT WITH EXISTING UTILITIES. PAYMENT FOR TEST PITS SHALL BE UNDER ITEM 803.01, TEST PITS. COORDINATE WORK WITH INSPECTOR.



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919 MAIN STREET
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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

GENERAL NOTES

SHEET NUMBER

14

OF 106

GENERAL NOTES:

67. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE INSPECTOR.
68. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT. BOTH YELLOW CENTERLINE AND WHITE EDGE LINES WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
69. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
70. WATER AND/OR CALCIUM CHLORIDE SHALL BE FURNISHED AND APPLIED IN ACCORDANCE WITH MAINE DOT SPECIFICATIONS - SECTION 637 - DUST CONTROL WORK SHALL BE INCIDENTAL TO THE PROJECT. NO SEPARATE PAYMENT WILL BE MADE.
71. THE CITY OF SANFORD WILL SUPPLY A FIELD OFFICE LOCATED AT 919 MAIN STREET.
72. REMOVAL OF EXISTING STAIRS SHALL BE CONSIDERED INCIDENTAL TO THE 635 ITEMS. NO SEPARATE PAYMENT SHALL BE MADE.
73. THE REMOVAL, PRESERVATION, AND REPLANTING OF EXISTING SHRUBS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO SEPARATE PAYMENT SHALL BE MADE.
74. IN AREAS WHERE CURB TYPE I WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT, IF NECESSARY, AND UTILIZED AS SUCH AND WILL BE PAID FOR UNDER STANDARD SPECIFICATIONS ITEM 609.38, RESET CURB TYPE I.
75. BACKING UP CONCRETE SLIPFORM CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE NEW 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.
76. ACRYLIC LATEX COLOR FINISH GREEN (STANDARD SPECIFICATIONS ITEM 658.20, ACRYLIC LATEX COLOR FINISH GREEN) SHALL BE PLACED ON ALL PAVED ISLANDS.
77. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
78. THE CITY OF SANFORD WILL SUPPLY ALL AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D" (ITEM 304.10) AND AGGREGATE BASE COURSE GRAVEL - TYPE A (ITEM 304.14). THE CONTRACTORS PRICE FOR BOTH ITEMS SHALL INCLUDE ALL COSTS RELATED TO HAULING, GRADING, SHAPING, COMPACTING, AND FINE GRADING THE MATERIAL. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A LOADER AND OPERATOR AT THE FACILITY (LOCATED AT 156 SCHOOL STREET) TO LOAD THE MATERIAL. ALL COSTS ASSOCIATED WITH THE LOADER AND OPERATOR AT THE FACILITY SHALL NOT BE PAID FOR SEPARATELY BUT BE CONSIDERED AS INCIDENTAL TO THE 304 ITEMS.
79. REMOVING AND RESETTNG EXISTING CONCRETE PAVERS AND/OR FLAGSTONES SHALL BE PAID FOR UNDER ITEM 608.1, BRICK SIDEWALK (REMOVE AND REBUILD).
80. REMOVAL OF EXISTING RETAINING WALL SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION. NO SEPARATE PAYMENT SHALL BE MADE.
81. REMOVING AND RESETTNG EXISTING GARDEN STONES AND DECORATIVE STACKED STONE WALLS ADJACENT TO WALKWAYS AND DRIVEWAYS SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20, COMMON EXCAVATION.
82. THE CONTRACTOR IS HEREBY MADE AWARE THAT THE SANFORD WATER DISTRICT WILL BE RESPONSIBLE FOR THE RELOCATION AND INSTALLATION OF THE PROPOSED HYDRANTS ON THE PROJECT. THE CONTRACTOR SHALL COORDINATE THEIR WORK IN THIS AREA WITH THE SANFORD WATER DISTRICT.

83. THE CONTRACTOR SHOULD BE MADE AWARE THAT THE SANFORD WATER DISTRICT HAS SCHEDULED WORK TO ABANDON THE EXISTING 6" WATER MAIN ON THE EAST SIDE OF RIVER STREET AND PLANS ON CONNECTING ALL SERVICES TO THE 16" MAIN ON THE WEST SIDE OF RIVER STREET.
84. REMOVING AND RESETTNG EXISTING GATES IN ORDER TO PROPERLY CONSTRUCT DRIVEWAYS SHALL BE CONSIDERED INCIDENTAL TO ITEM 607.25, REMOVE AND RESET CHAIN LINK FENCE.
85. FINE GRADING GRAVELS PRIOR TO SURFACE TREATMENT (PAVEMENT, CONCRETE, BRICK, ETC.) SHALL NOT BE PAID FOR SEPARATELY AND INSTEAD SHALL BE CONSIDERED AS INCIDENTAL TO THE GRAVEL ITEMS (304.10 AND 304.14) WITHIN THE CONTRACT.
86. REPLACEMENT OF EXISTING BRIDGE MEMBRANE (FOR BRIDGE NO. 1349) IS NOT ANTICIPATED AT THIS TIME. IF THE MEMBRANE IS ENCOUNTERED WHILE MILLING THE CONTRACTOR SHALL STOP MILLING AND IMMEDIATELY NOTIFY THE INSPECTOR. MILLING DEPTHS NOTED IN THE PLANS FOR THE BRIDGE AREA SHALL NOT BE EXCEEDED.
87. TRANSITIONS AND CURB TIPDOWNS FOR THE MULTI-USE PATH AT DRIVEWAYS AND SIDE ROADS SHALL BE TWELVE (12) FEET LONG TYPICALLY TO PROVIDE A MORE GRADUAL RUNNING SLOPE.
88. FOR ADDITIONAL INFORMATION, THE CONTRACTOR SHALL COORDINATE THE PROPOSED UTILITY CONNECTIONS TO THE STENTON MILL BUILDING WITH THE FOLLOWING CONTACTS:
- Keith Levasseur (Klevasseur@Sanfordwater.org) Sanford Water District
- Derrick Giroux (Giroux.d@Unitil.com) Unitil Corporation
- Dylan Erickson (Erickson.Dylan@Wseinc.com) Weston & Sampson
89. REMOVING AND RESETTNG EXISTING SMALL BLOCK RETAINING WALLS SHALL BE PAID FOR UNDER ITEM 672.10, PRECAST CONCRETE BLOCK GRAVITY WALL. THE CONTRACTOR SHALL COORDINATE WITH THE INSPECTOR REGARDING THE CONDITION OF THE EXISTING RETAINING WALL AND WHETHER OR NOT IT SHOULD BE REPLACED IN FULL.
90. REMOVING, REGRADING AND RESETTNG EXISTING LANDSCAPING, BUSHES AND TREES SHALL BE MADE INCIDENTAL TO THE 621 ITEMS IN THE CONTRACT.
91. THE CONTRACTOR SHALL CUT AND CAP THE EXISTING WATER SERVICES (3") TO THE EXISTING STENTON MILL BUILDING. SEE THE DRAINAGE PLANS FOR APPROXIMATE LOCATIONS OF EXISTING WATER SERVICES. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.

1. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE (888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
2. ANY ADDITIONAL UTILITY WORK NOT SPECIFIED ON THE PLANS SHALL BE COMPLETED BY THE RESPECTIVE UTILITY COMPANY.
3. CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF PRIVATE UTILITY SERVICES WITH LAND OWNERS AT LEAST 2 DAYS (48 HOURS) PRIOR TO SCHEDULED DISRUPTION.
4. TEST PITS, IF REQUIRED, SHALL BE COMPLETED AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION OR ORDERING OF MATERIALS. THE CONTRACTOR SHALL PROMPTLY PROVIDE TEST PIT INFORMATION TO THE INSPECTOR FOR REVIEW, AND SHALL NOTIFY THE INSPECTOR OF ANY POTENTIAL UTILITY CROSSING CONFLICTS.
5. IN AREAS WHERE PROPOSED DRAINAGE PIPES AND CATCH BASINS ARE INSTALLED IN CLOSE PROXIMITY TO WATER MAINS, INSTALL 2" RIGID INSULATION BETWEEN DRAINAGE AND WATER MAIN. PAYMENT FOR MATERIAL TO BE MADE UNDER FORCE ACCOUNT.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WILCHERBAH	D. ETINGER	09/25
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

GENERAL NOTES

SHEET NUMBER

15

OF 106



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DRIVES AND ENTRANCES

LOCATION	DESCRIPTION	OPENING
102+28.00 LT.	PAVED - COMMERCIAL	59 FT.
103+42.00 RT.	PAVED - RESIDENTIAL	30 FT.
105+24.00 RT.	PAVED - COMMERCIAL	18 FT.
106+45.00 RT.	PAVED - COMMERCIAL	15 FT.
106+71.00 RT.	PAVED - COMMERCIAL	15 FT.
106+85.00 LT.	PAVED - COMMERCIAL	24 FT.
107+28.00 RT.	PAVED - RESIDENTIAL	15 FT.
107+45.00 LT.	PAVED - RESIDENTIAL	20 FT.
107+94.00 LT.	PAVED - RESIDENTIAL	12 FT.
108+17.00 RT.	PAVED - RESIDENTIAL	15 FT.
108+40.00 LT.	PAVED - RESIDENTIAL	10 FT.
108+50.00 RT.	PAVED - COMMERCIAL	20 FT.
110+00.00 LT.	PAVED - RESIDENTIAL	15 FT.
110+24.00 LT.	PAVED - RESIDENTIAL	12 FT.
110+31.00 RT.	PAVED - COMMERCIAL	25 FT.
110+80.00 LT.	PAVED - RESIDENTIAL	12 FT.
110+82.00 RT.	PAVED - RESIDENTIAL	12 FT.
111+91.00 RT.	CRUSHED STONE - RESIDENTIAL	17 FT.
112+20.00 RT.	PAVED - RESIDENTIAL	16 FT.
112+50.00 LT.	PAVED - RESIDENTIAL	49 FT.
113+00.00 RT.	CONCRETE - RESIDENTIAL	24 FT.
113+08.00 LT.	PAVED - RESIDENTIAL	22 FT.
113+25.00 RT.	PAVED - RESIDENTIAL	15 FT.
113+50.00 LT.	PAVED - COMMERCIAL	60 FT.
113+80.00 RT.	CONCRETE - RESIDENTIAL	20 FT.
115+21.00 RT.	PAVED - RESIDENTIAL	12 FT.
115+33.00 LT.	GRAVEL - RESIDENTIAL	26 FT.
115+64.00 RT.	PAVED - RESIDENTIAL	12 FT.
116+26.00 RT.	PAVED - RESIDENTIAL	20 FT.
117+00.00 RT.	PAVED - RESIDENTIAL	20 FT.
117+61.00 LT.	PAVED - RESIDENTIAL	26 FT.
206+92.00 LT.	PAVED - RESIDENTIAL	26 FT.
208+89.00 LT.	PAVED - RESIDENTIAL	29 FT.
210+98.00 LT.	PAVED - RESIDENTIAL	14 FT.
214+14.00 LT.	PAVED - COMMERCIAL	26 FT.
226+10.00 LT.	PAVED - COMMERCIAL	64 FT.
228+31.00 LT.	PAVED - COMMERCIAL	78 FT.
232+17.00 LT.	PAVED - RESIDENTIAL	35 FT.
81+86.00 LT.	PAVED - RESIDENTIAL	30 FT.

ITEM 201.11 - CLEARING

117+54 TO 117+76,	RT.
211+30 TO 211+95,	LT.
213+93 TO 214+82,	LT.
216+64 TO 217+71,	LT.
218+78 TO 218+99,	RT.
219+42 TO 219+70,	RT.
219+55 TO 220+47,	LT.
221+90 TO 222+30,	RT.
224+01 TO 225+17,	LT.
226+02 TO 229+03,	RT.
230+09 TO 230+38,	LT.
230+10 TO 230+54,	RT.

ITEM 201.23 - REMOVING SINGLE TREE TOP ONLY

STATION	DESCRIPTION
103+71.05 RT.	22" TREE
118+87.99 RT.	16" TREE
205+08.82 RT.	16" TREE
205+76.05 RT.	16" TREE
206+14.12 RT.	22" TREE
206+38.43 RT.	12" TREE
208+38.56 RT.	16" TREE
208+80.99 RT.	12" TREE
209+63.84 RT.	10" TREE
210+07.48 RT.	10" TREE
210+36.77 RT.	12" TREE
210+36.90 RT.	5" TREE
210+48.17 RT.	12" TREE
212+03.16 RT.	12" TREE
212+41.94 RT.	12" TREE
212+83.10 RT.	12" TREE
214+18.41 RT.	9" TREE
214+41.82 RT.	12" TREE
214+83.34 RT.	22" TREE
216+77.67 RT.	8" TREE
216+81.28 LT.	8" TREE
216+96.95 LT.	8" TREE
218+51.33 RT.	12" TREE
219+86.62 RT.	UNK
220+52.70 RT.	12" TREE
221+40.34 RT.	UNK
221+58.79 RT.	UNK
222+52.65 RT.	16" TREE
223+72.59 RT.	12" TREE
224+49.93 RT.	12" TREE
224+93.07 RT.	12" TREE
225+32.81 RT.	12" TREE
229+93.20 RT.	UNK
230+61.32 RT.	36" OAK TREE
231+17.62 RT.	36" OAK TREE
231+71.43 RT.	UNK

ITEM 201.24 - REMOVING STUMP

STATION	DESCRIPTION
103+71.05 RT.	22" TREE
118+87.99 RT.	16" TREE
205+08.82 RT.	16" TREE
205+76.05 RT.	16" TREE
206+14.12 RT.	22" TREE
206+38.43 RT.	12" TREE
208+38.56 RT.	16" TREE
208+80.99 RT.	12" TREE
209+63.84 RT.	10" TREE
210+07.48 RT.	10" TREE
210+36.77 RT.	12" TREE
210+36.90 RT.	5" TREE
210+48.17 RT.	12" TREE
212+03.16 RT.	12" TREE
212+41.94 RT.	12" TREE
212+83.10 RT.	12" TREE
214+18.41 RT.	9" TREE
214+41.82 RT.	12" TREE
214+83.34 RT.	22" TREE
216+77.67 RT.	8" TREE
216+81.28 LT.	8" TREE
216+96.95 LT.	8" TREE
218+51.33 RT.	12" TREE
219+86.62 RT.	UNK
220+52.70 RT.	12" TREE
221+40.34 RT.	UNK
221+58.79 RT.	UNK
222+52.65 RT.	16" TREE
223+72.59 RT.	12" TREE
224+49.93 RT.	12" TREE
224+93.07 RT.	12" TREE
225+32.81 RT.	12" TREE
229+93.20 RT.	UNK
230+61.32 RT.	36" OAK TREE
231+17.62 RT.	36" OAK TREE
231+71.43 RT.	UNK

ITEM 202.15 - REMOVING EXISTING MANHOLE OR CATCH BASIN

101+23.38, 15'	RT.
101+36.90, 39'	RT.
101+63.14, 14'	RT.
103+90.24, 16'	LT.
108+68.24, 17'	RT.
108+85.80, 11'	LT.
110+70.90, 16'	RT.
112+87.30, 14'	RT.
116+76.07, 14'	RT.
205+42.90, 10'	RT.
209+72.96, 21'	RT.
211+71.24, 19'	RT.
215+45.65, 47'	RT.
215+69.33, 72'	LT.
216+33.42, 51'	LT.
216+62.55, 67'	LT.
220+02.03, 22'	RT.
220+02.78, 24'	LT.
224+16.50, 23'	RT.
224+16.91, 25'	LT.
81+94.36, 20'	LT.
81+96.03, 19'	RT.
90+68.84, 17'	RT.
90+71.16, 24'	LT.

ITEM 607.22 - CEDAR RAIL FENCE LF

224+00.00, 36.00'	RT. TO 225+50.00, 70.51'	RT.	158
225+10.38, 35.52'	RT. TO 230+15.00, 30.00'	RT.	505
230+29.35, 30.00'	RT. TO 231+65.00, 35.00'	RT.	136

ITEM 607.24 - REMOVE AND RESET FENCE LF

102+49.88, 39.13'	RT. TO 102+94.45, 29.80'	RT.	48.3
108+24.55, 17.16'	LT. TO 108+33.39, 24.33'	LT.	16.0
114+63.36, 24.43'	RT. TO 114+77.74, 24.11'	RT.	14.4
114+84.70, 24.19'	RT. TO 114+92.65, 23.99'	RT.	8.0
117+20.55, 25.39'	RT. TO 117+43.49, 31.14'	RT.	21.4
211+36.04, 37.36'	LT. TO 212+00.00, 29.51'	LT.	71.7

ITEM 607.25 - REMOVE AND RESET CHAIN LINK FENCE LF

105+28.70, 35.75'	LT. TO 105+98.58, 27.16'	LT.	93.0
106+04.53, 26.71'	LT. TO 106+54.57, 21.71'	LT.	62.4
107+85.84, 29.99'	LT. TO 107+86.84, 18.82'	LT.	11.2
115+68.91, 23.01'	RT. TO 115+68.89, 28.29'	RT.	5.3
230+17.89, 32.64'	LT. TO 230+26.20, 32.97'	LT.	8.3
230+32.45, 32.99'	LT. TO 230+40.39, 32.64'	LT.	8.0

ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD SF

102+07, LT.	10
102+45, LT.	10
102+59, LT.	19
102+59, RT.	19
104+56, LT.	10
104+56, RT.	10
104+81, LT.	10
105+10, LT.	10
108+91, LT.	10
108+91, RT.	11
109+01, RT.	17
109+36, RT.	18
109+48, LT.	11
109+48, RT.	11
111+48, LT.	11
111+48, RT.	11
114+27, RT.	26
114+62, RT.	23
118+71, LT.	11
118+71, LT.	11
118+71, RT.	11
118+71, RT.	11
210+67, RT.	10
210+68, LT.	12
214+96, LT.	19
214+96, RT.	19
216+99, LT.	19
216+99, RT.	19
219+84, LT.	10
219+84, RT.	10
223+63, LT.	10
223+63, RT.	10
227+33, LT.	10
227+33, RT.	10
230+28, LT.	19
230+28, RT.	19
232+60, RT.	11
232+68, LT.	11
232+68, RT.	11
80+27, LT.	19
80+27, RT.	19

ITEM 610.08 - PLAIN RIPRAP

LOCATION	DESCRIPTION	CY
205+36.86, RT.	OUTLET PROTECTION	3.0
217+40.23, LT.	OUTLET PROTECTION	4.0
220+03.07, LT.	OUTLET PROTECTION	4.0
226+50.00 TO 227+75.00, RT.	SLOPE PROTECTION	159.0

ITEM 613.319 - EROSION CONTROL BLANKET SY

224+81 TO 225+50, LT.	46
230+39 TO 231+54, LT.	80

ITEM 620.58 - EROSION CONTROL GEOTEXTILE SY

205+36.89, RT.	9
217+40.23, LT.	11
220+03.07, LT.	11
226+50.00 TO 227+75.00, RT.	252

ITEM 643.62 - RECTANGULAR RAPID FLASHING BEACON

230+21.12, 18.38'	RT.
230+34.45, 18.34'	LT.
21+08.92, 17.92'	RT.
21+09.66, 17.33'	LT.

ITEM 673.10 - WET CAST SMALL LANDSCAPE BLOCK WALL SF

STA. 115+79.23 (1+10.00) TO STA. 50+28.90 (2+09.75)	320
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NOTES:
1. A DRAINAGE SUMMARY SHEET WILL BE
ADDED TO THE PLANS PRIOR TO THE
DRAFT PSE SUBMITTAL.

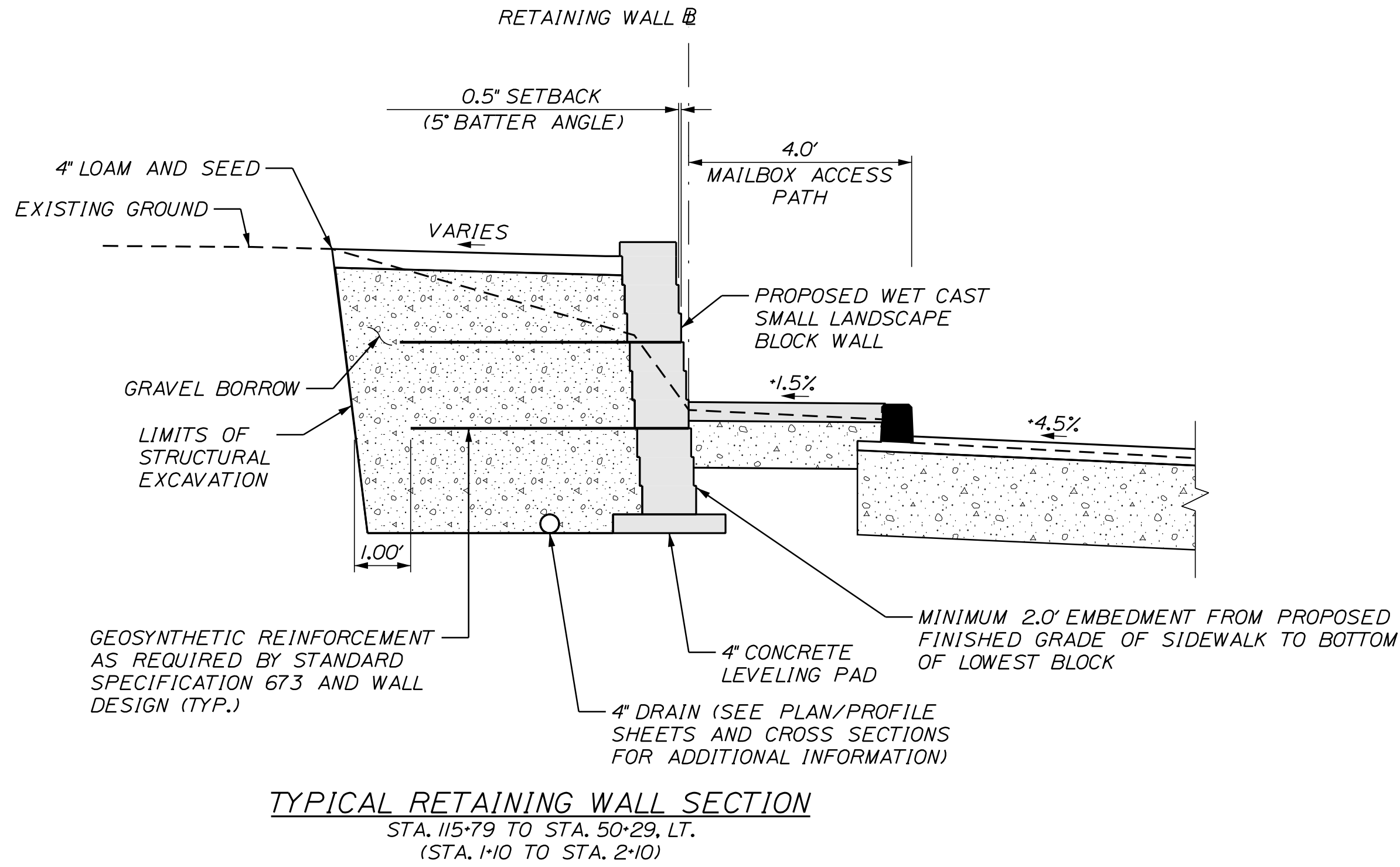
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SANFORD, MAINE 04073

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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CONSTRUCTION NOTES

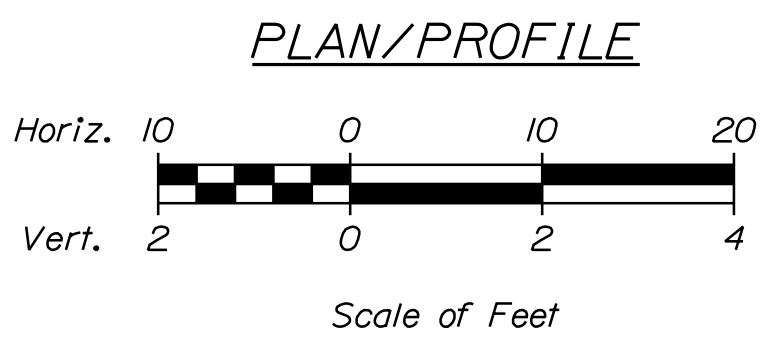
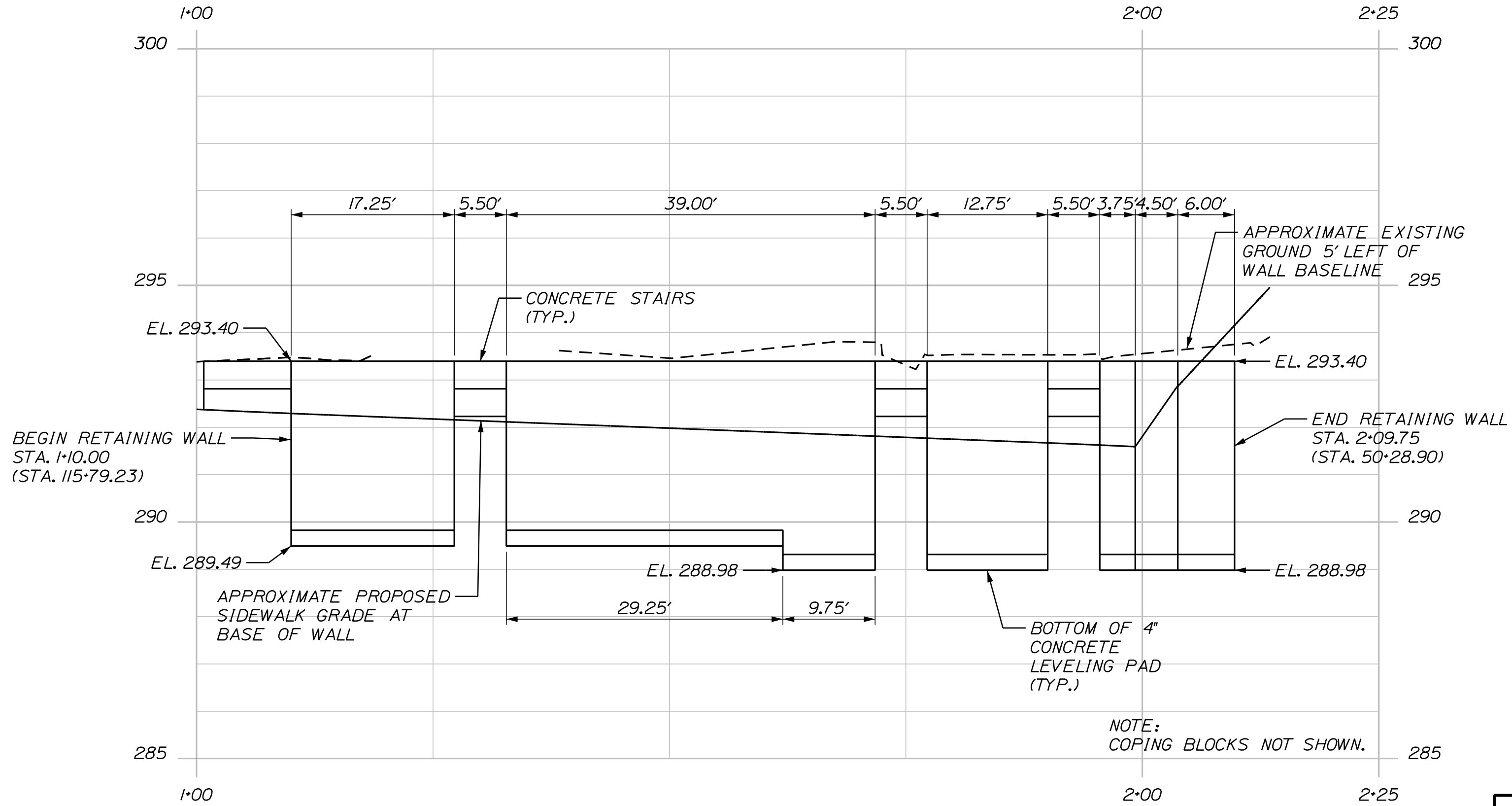
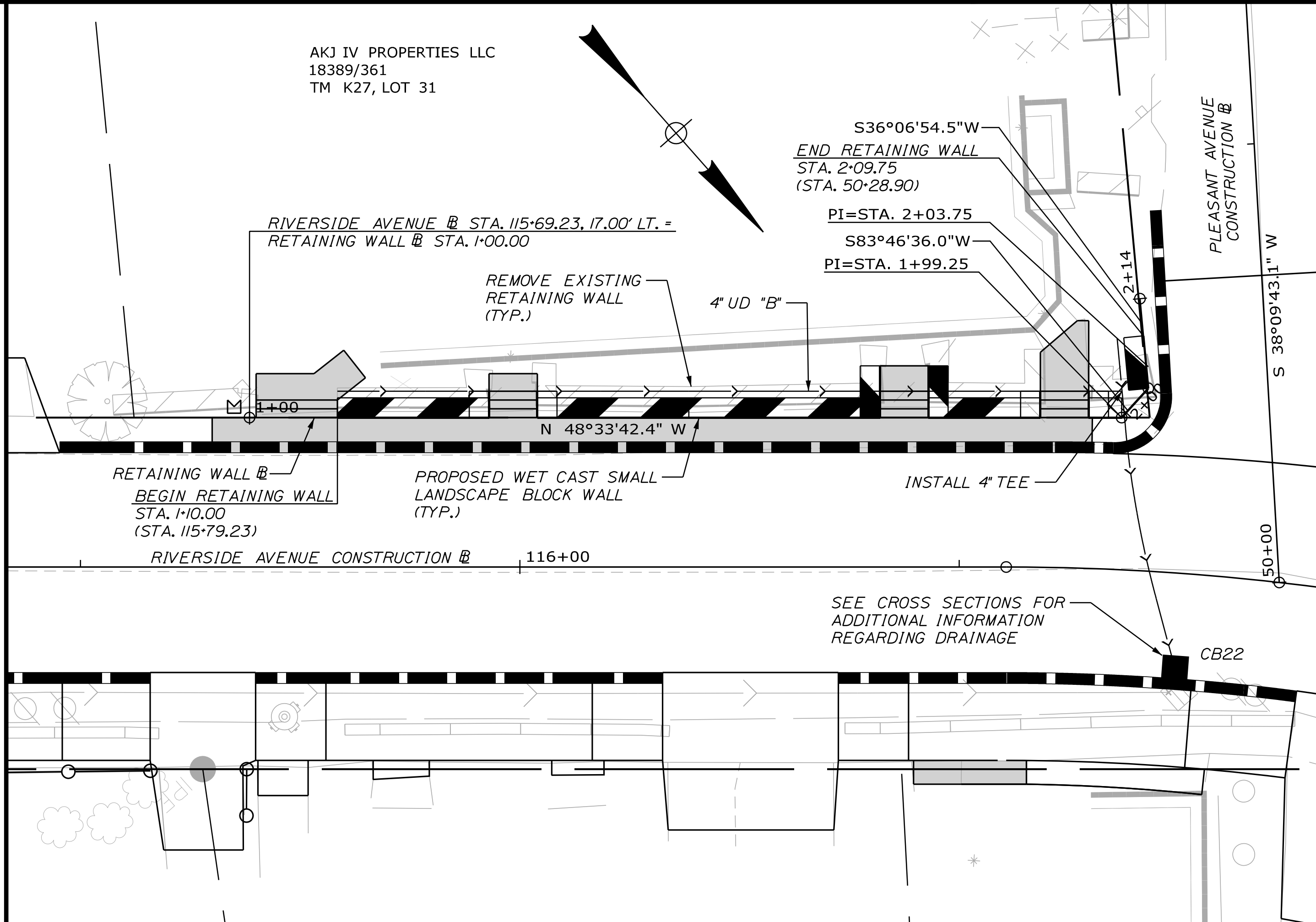
SHEET NUMBER

16



TYPICAL RETAINING WALL SECTION
STA. 115+79 TO STA. 50+29, LT.
(STA. 1+10 TO STA. 2+10)

NOT TO SCALE





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WILLIAM OSCAR EMERY DRIVE
SPECIAL DETAILS
RETAINING WALL

SHEET NUMBER

17
OF 106

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED-Detailed	09/25	M. HILL	09/25			
CHECKED-Reviewed	09/25	M. CUNDIFF	09/25			
DESIGNED-Detailed		J. WARREN				
DESIGNED-Detailed		J. WILSON				
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

RETAINING WALL NOTES:

1. THE CONTRACTOR SHALL DESIGN AND FURNISH A WET CAST SMALL LANDSCAPE BLOCK WALL IN ACCORDANCE WITH MAINEDOT STANDARD SPECIFICATION 673 AND MANUFACTURER SPECIFICATIONS.THE WET CAST SMALL LANDSCAPE BLOCK WALL SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE AND SUBMITTED TO THE RESIDENT FOR REVIEW.PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.
2. THE WET CAST SMALL LANDSCAPE BLOCK WALL SHALL BE AN APPROVED SYSTEM FROM THE MAINEDOT QUALIFIED PRODUCTS LIST THAT MEETS THE REQUIREMENTS OF STANDARD SPECIFICATION 673.
3. BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 673.
4. FOR THE STRENGTH LIMIT STATE THE APPLIED FACTORED BEARING RESISTANCE, FOR WET CAST SMALL LANDSCAPE BLOCK WALL BEARING ON NATIVE SOILS, SHALL NOT EXCEED X.X KSF.FOR THE SERVICE LIMIT STATE THE APPLIED FACTORED BEARING RESISTANCE, FOR WET CAST LANDSCAPE BLOCK WALL BEARING ON NATIVE SOILS, SHALL NOT EXCEED X.X KSF.
5. ALL EXPOSED BLOCK FACES SHALL BE FINISHED TO MATCH THE WALL FACE.
6. WEEP HOLES,FOOTER DRAINS,PIPED DRAINAGE, AND ANY ADDITIONAL DRAINAGE INFRASTRUCTURE SHALL BE INCLUDED IN THE DESIGN OF THE WALLS AND OUTLETS TIED INTO THE PROPOSED DRAINAGE SYSTEM.THE WALL DRAINAGE AND CONNECTIONS TO THE PROPOSED DRAINAGE WILL BE INCIDENTAL TO THE CONSTRUCTION OF THE WALLS.
7. WALL EMBEDMENT SHALL BE A MINIMUM OF 2 FEET BELOW PROPOSED FINISHED GRADE.
8. RETAINING WALL ELEVATION DRAWN FACING RIGHT OF CENTERLINE DOWN STATION TO RIGHT AND UP STATION TO LEFT.
9. END OF COPING NOT SHOWN ON PLAN AND ELEVATION VIEWS.
10. PLAN VIEW WALL BATTER NOT SHOWN.
11. ACTUAL WALL ALIGNMENT AND LIMITS TO BE DETERMINED IN THE FIELD.
12. EXISTNG RETAINING WALL TO BE EXCAVATED DOWN TO A MINIMUM OF 2.5 FEET BELOW FINISHED SIDEWALK GRADE.A MINIMUM 4 INCH THICK LEVELING PAD SHALL BE PLACED ON THE EXISTING RETAINING WALL PORTION TO REMAIN (IF ANY) IN AREAS WHERE THE EXISTING AND PROPOSED WALLS COINCIDE.
13. THE FACE QUANTITY OF WET CAST SMALL LANDSCAPE BLOCK WALL WILL BE APPROVED BY APPROVAL OF THE SHOP DRAWINGS.
14. UTILITY POLES, FENCES, PLANTINGS, AND/OR OTHER FACILITIES REQUIRED WITHIN THE WALL LIMITS SHALL NOT BE DRIVEN OR AUGURED THROUGH GEOSYNTHETIC REINFORCEMENT.THE IMPACT OF UTILITY POLES AND/OR OTHER FACILITIES ON WALL REINFORCEMENT SHALL BE ADDRESSED IN THE WALL DESIGN SUBMITTAL.
15. LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE.SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION.
16. PROPOSED ELEVATIONS ARE ASSUMED.ACTUAL ELEVATIONS WILL VARY DEPENDING UPON PROPOSED BLOCK DIMENSIONS.
17. COMMON EXCAVATION INCLUDED IN THE ESTIMATE IS FOR NECESSARY EXCAVATION OF THE SIDEWALK ONLY.EXCAVATION REQUIRED BEHIND THE PROPOSED WALL LOCATION WILL BE CONSIDERED INCIDENTAL TO ITEM 673.10 -WET CAST SMALL LANDSCAPE BLOCK WALL.
18. ANY DAMAGE TO THE EXISTING TRAVELWAY OR SHOULDER CAUSED BY THE CONTRACTOR'S WORK OR EQUIPMENT SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT AT THE CONTRACTOR'S EXPENSE.
19. NO TRAFFIC LOADING WILL BE REQUIRED IN THE WALL DESIGN.
20. NO PLANTINGS PERMITTED WITHIN THE EXTENT OF THE GEOSYNTHETIC REINFORCEMENT BEHIND THE WALL FACE.
21. FENCE POSTS SHALL NOT BE DRIVEN THROUGH THE WALL REINFORCING.IF FENCE POSTS IMPACT THE REINFORCEMENT THEN THE INSTALLATION OF THE FENCE SHALL BE ADDRESSED IN THE WALL DESIGN SUBMITTAL.
22. DRAINAGE SHALL BE CONSTRUCTED IN STRAIGHT RUNS WHENEVER POSSIBLE,ANY ANGLES OR TURNS DEPICTED ON THE PLANS (AND NOT LABELED) ARE PORTRAYED FOR PLAN CLARITY PURPOSES ONLY.

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WILLIAM OSCAR EMERY DRIVE
SPECIAL DETAILS
RETAINING WALL

SHEET NUMBER

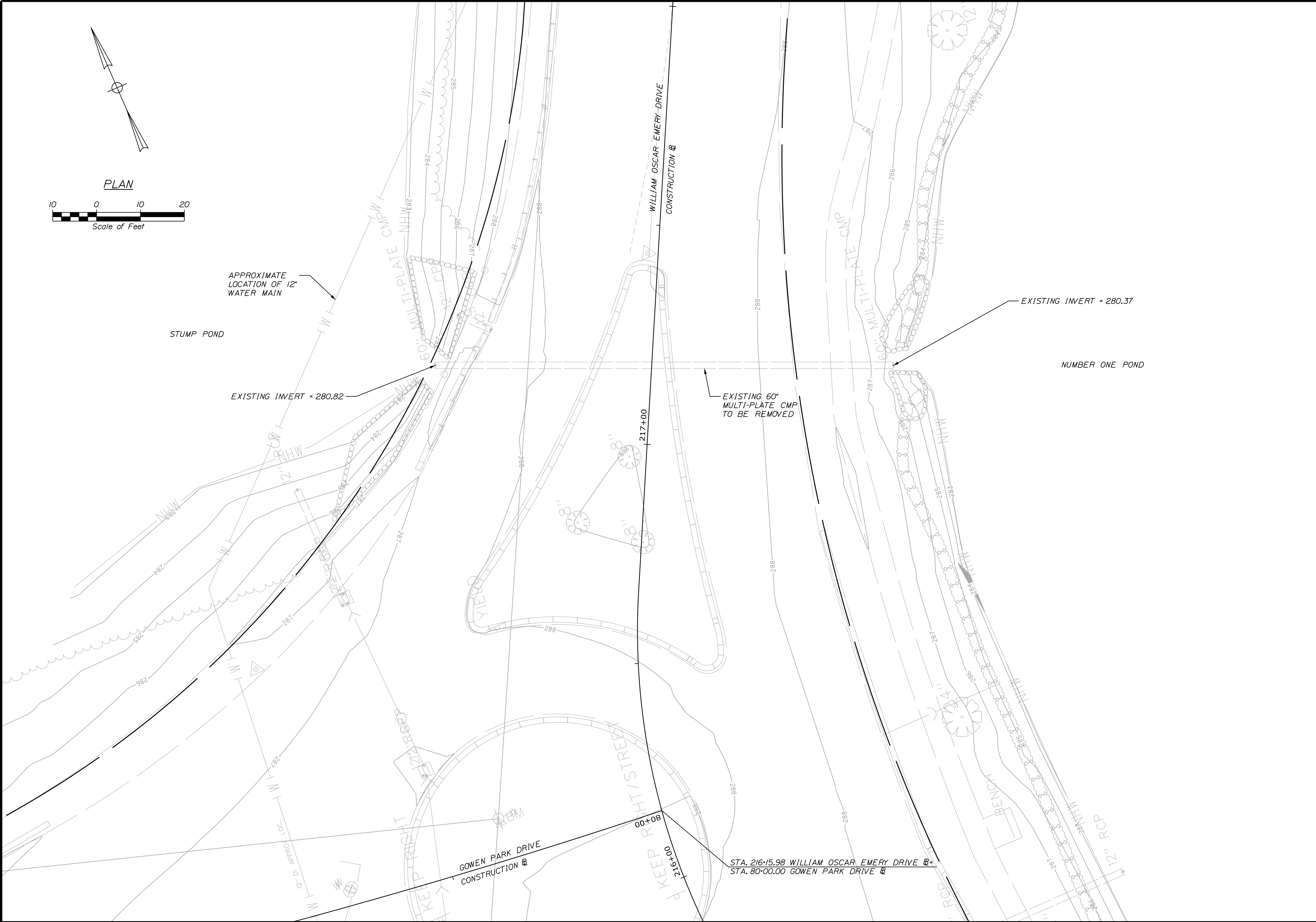
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OF 106

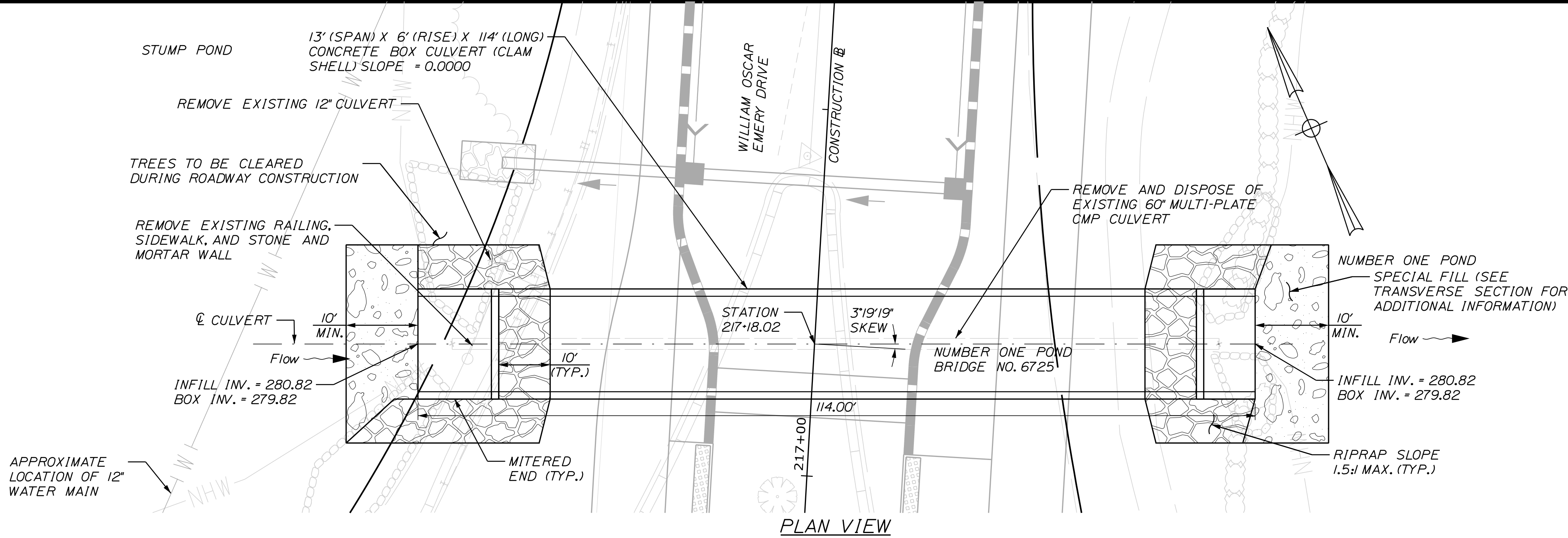


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PROJ. MANAGER		M. HILL	BY	DATE
CHECKED-DETAILED	J.B. SHAW	M. CUNDIFF	W. HASKELL	09/25
CHECKED-REVIEWED	J. WINTERBACH	-	-	09/25
DESIGNS DETAILLED	-	-	-	-
DESIGNS DETAILLED	-	-	-	-
REVISIONS 1	-	-	-	-
REVISIONS 2	-	-	-	-
REVISIONS 3	-	-	-	-
REVISIONS 4	-	-	-	-
FIELD CHANGES	-	-	-	-

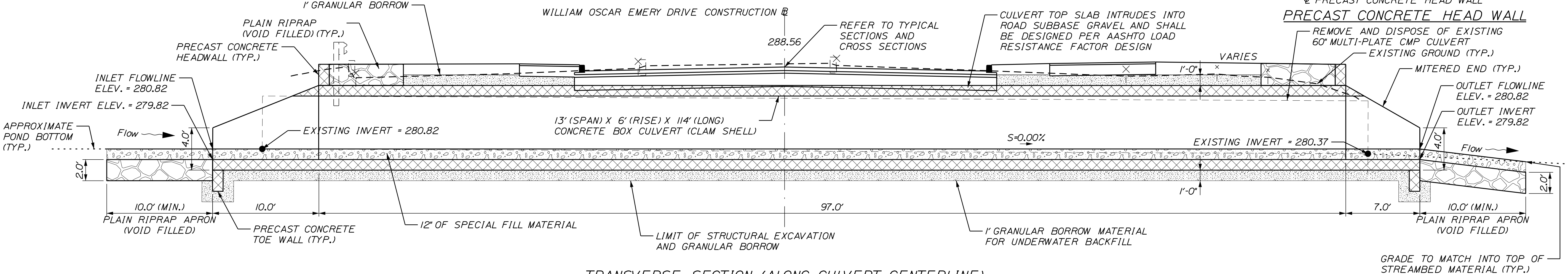
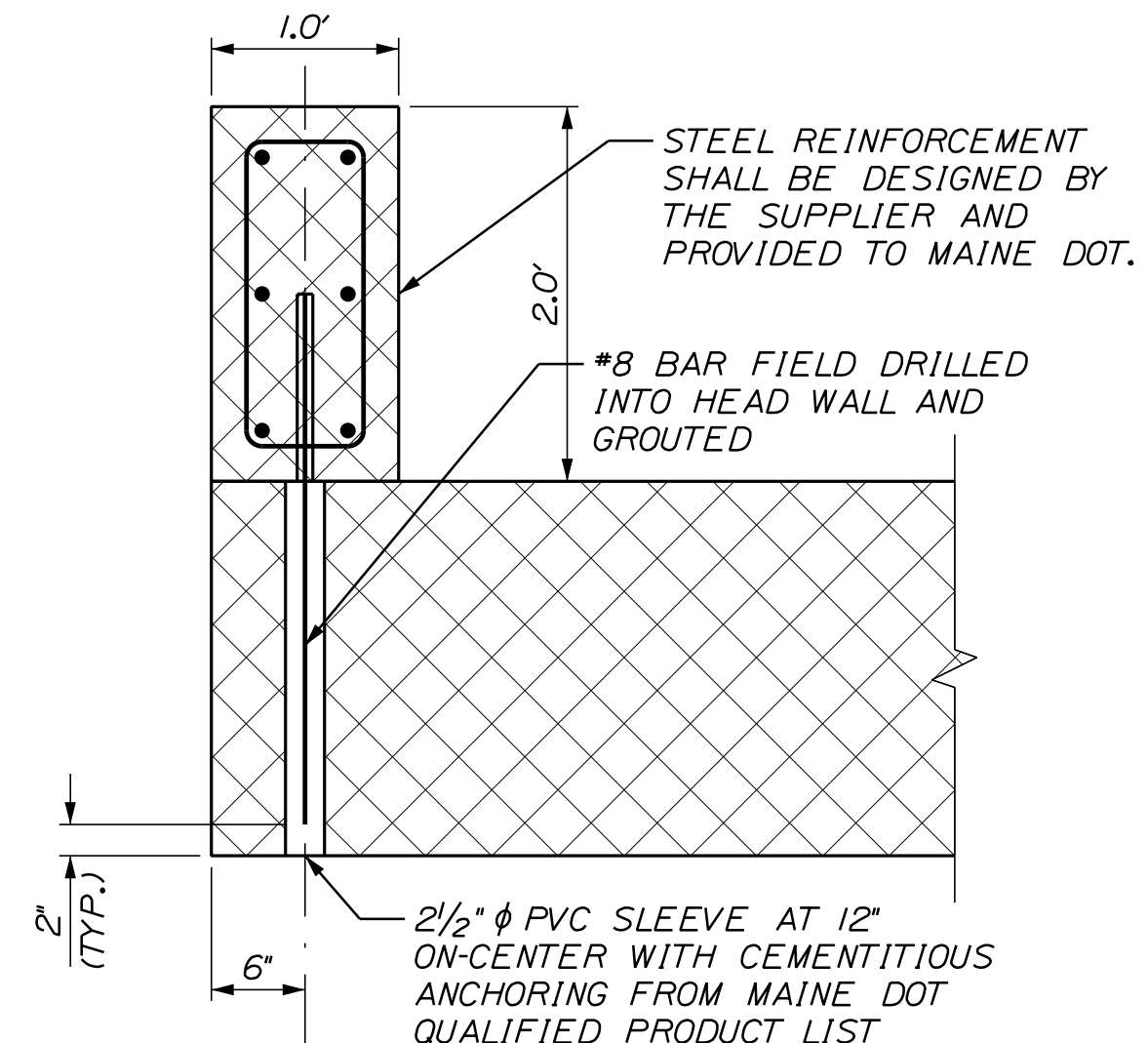
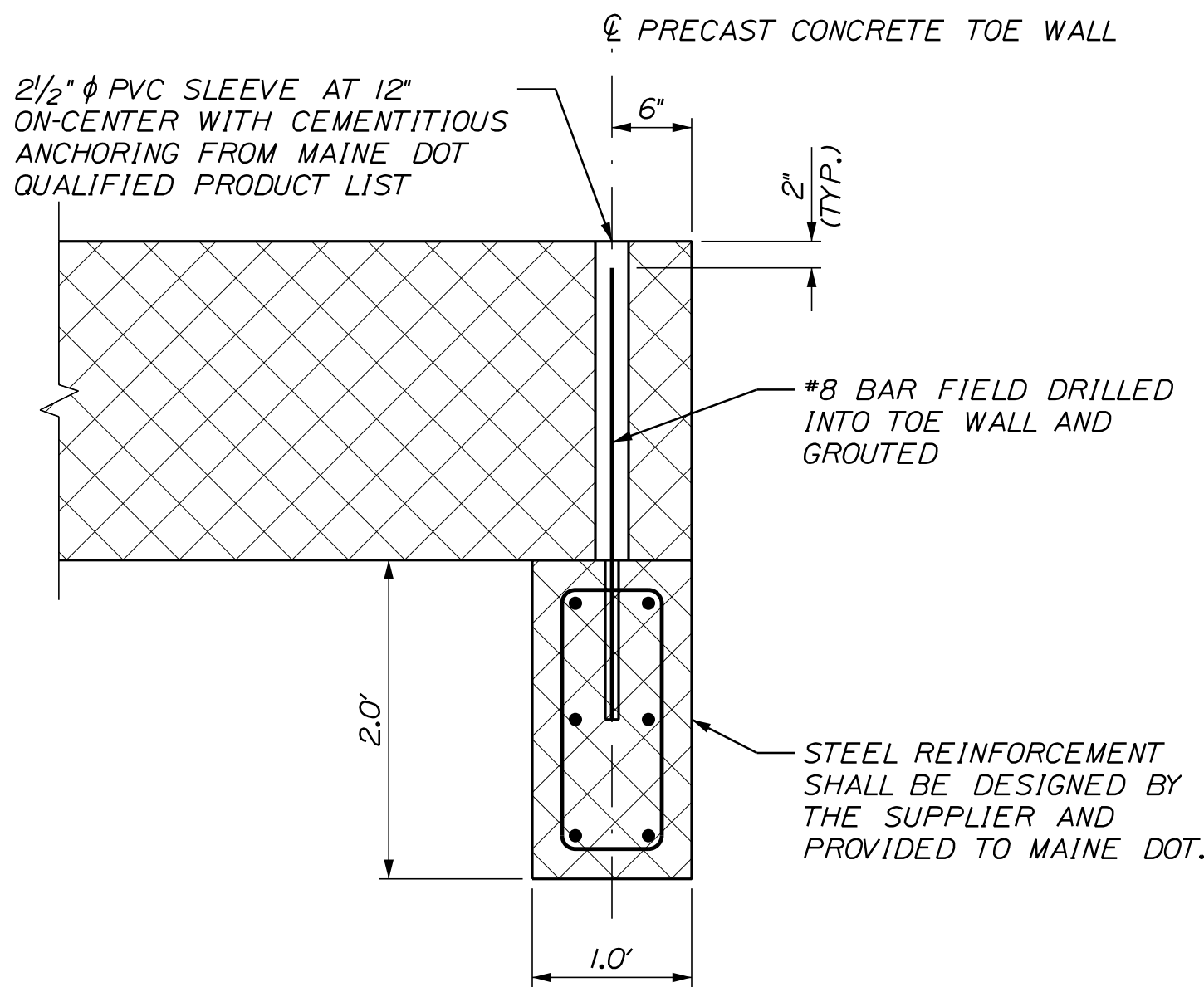
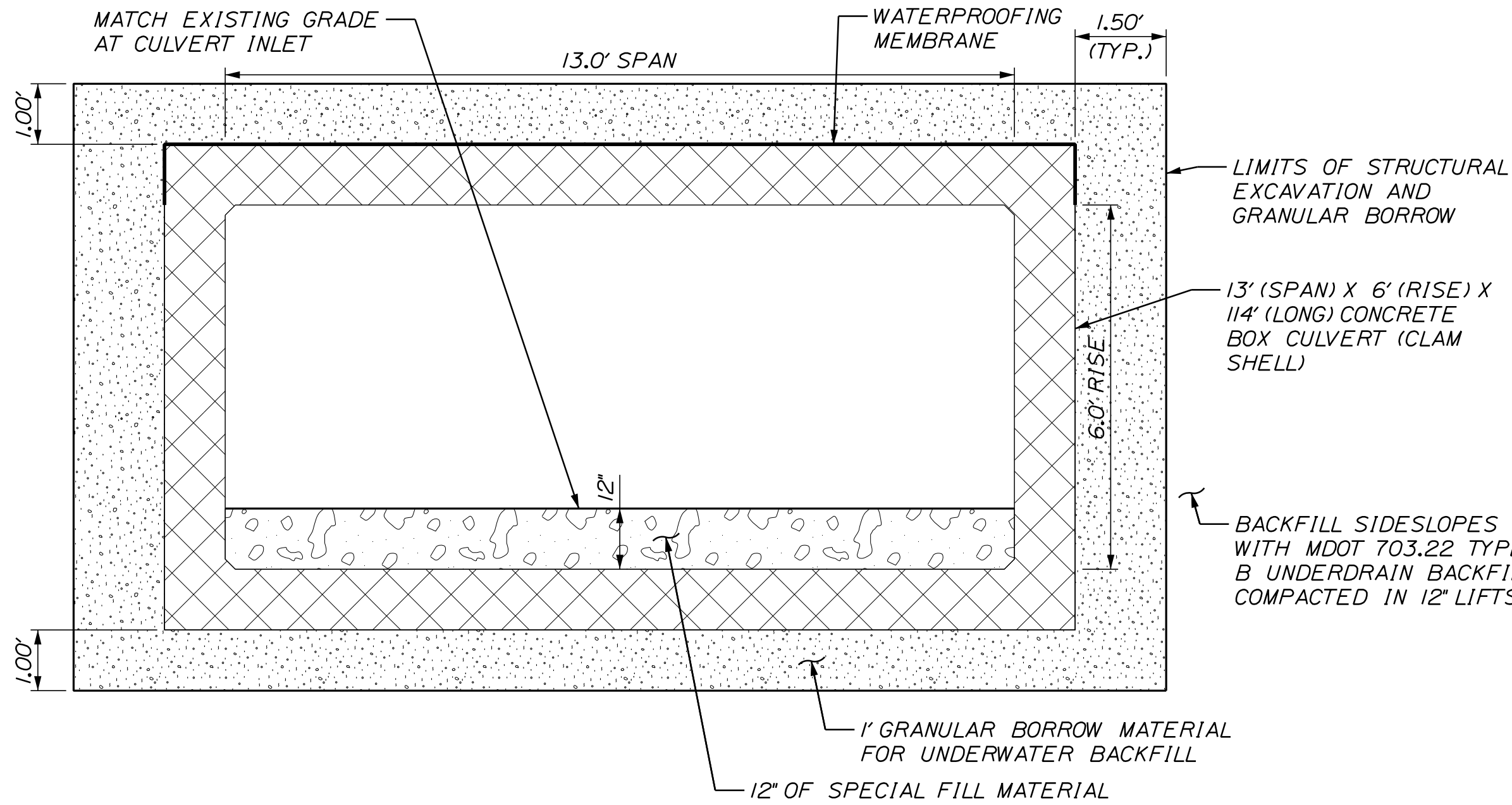


PLAN VIEW NOTES:

1. TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN 100 FEET OF THE POND.
2. CONTRACTOR SHALL SUBMIT DEWATERING AND CHANNEL BYPASS PLAN TO RESIDENT FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.
3. ALL INSTREAM WORK SHALL BE COMPLETED BETWEEN JULY 15 AND SEPTEMBER 30.

PRECAST CONCRETE BOX CULVERT NOTES

1. PRECAST UNITS SHALL BE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 12 INCHES OVER THE TOP OF THE UNITS.
2. THE PRECAST CONCRETE BOX CULVERT SHALL BE BEDDED ON A 1 FOOT LAYER OF COMPACTED GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL.
3. A "CLAMHELL" PRECAST CONCRETE BOX CULVERT WILL BE USED. HORIZONTAL SEAM WILL BE AT THE TOP OF THE BOX.
4. CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION 534 AND THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.
5. INSTALL SHEET MEMBRANE WATERPROOFING OVER THE TOP AND 12 INCHES DOWN THE EXTERIOR SIDES OF THE PRECAST UNITS WITHIN THE LIMITS OF THE BACKFILL OVER THE TOP OF THE STRUCTURE.
6. RIPRAP SHALL BE USED TO INSLOPE AROUND THE PRECAST CONCRETE BOX CULVERT ENDS AT BOTH THE INLET AND OUTLET. SEE PLAN FOR LOCATIONS.
7. RIPRAP SHALL BE PLACED SO AS TO NOT DAMAGE THE NEW PRECAST CONCRETE BOX CULVERT STRUCTURE.
8. REMOVAL OF THE EXISTING CULVERT SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 534.71. THE EXISTING PIPE SHALL BECOME PROPERTY OF THE CONTRACTOR.
9. ALL REBAR IS INCIDENTAL TO ITEM NO. 534.71 PRECAST CONCRETE BOX CULVERT.



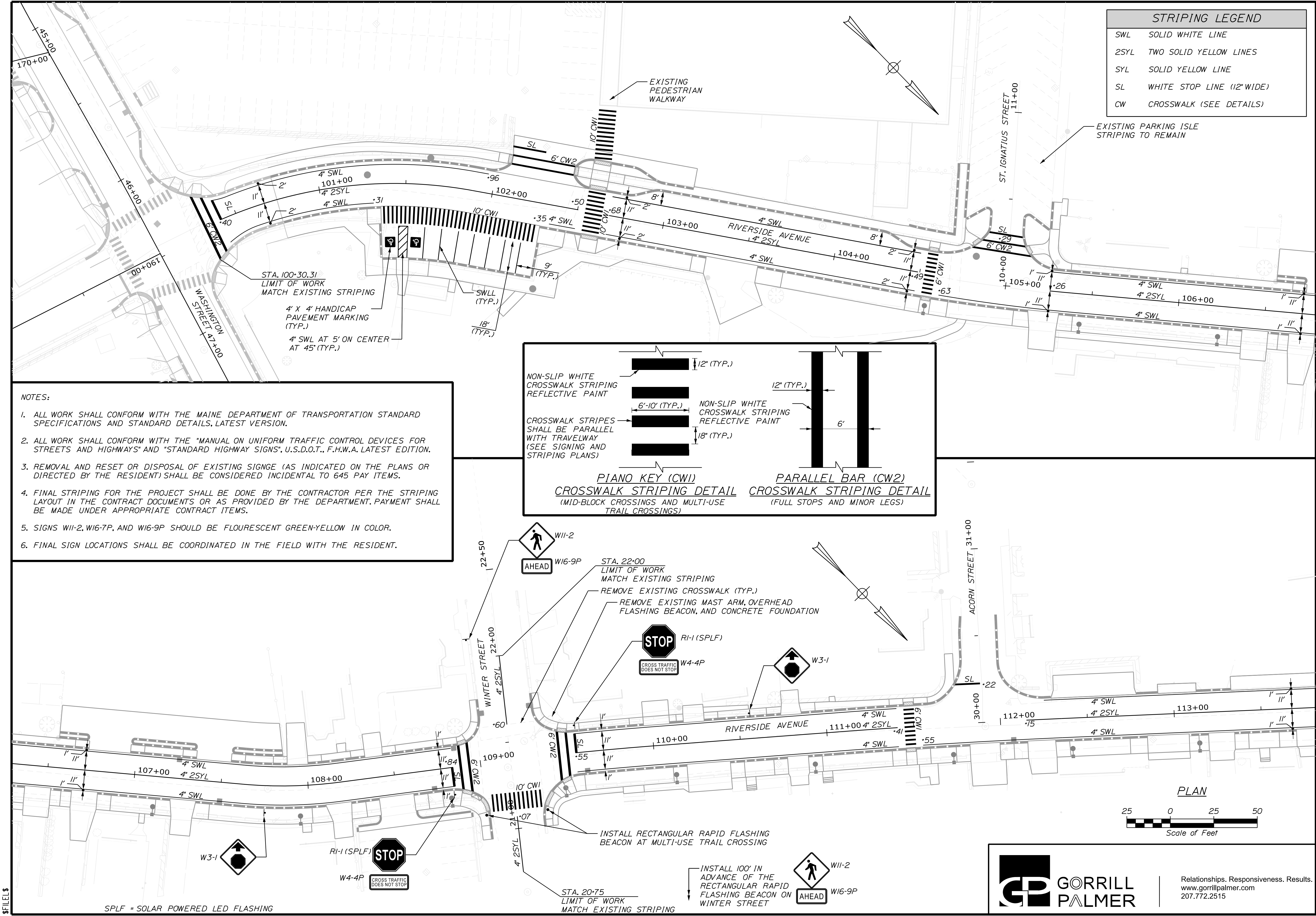
CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00			
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE SPECIAL DETAILS - PRECAST CONCRETE BOX CULVERT		PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	BY M. HILL M. CUNDIFF W. HASKELL J. WILHELM - - - - -	DATE 09/25 09/25 09/25 - - - - -	SIGNATURE P.E. NUMBER DATE
SHEET NUMBER 20 OF 106					

Date: \$date\$

Username: \$user\$

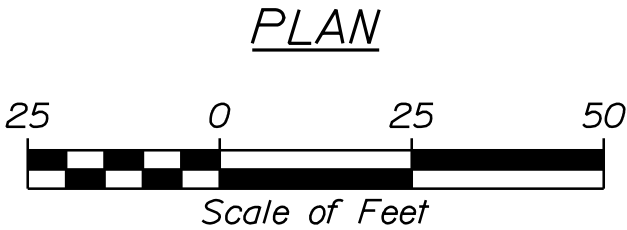
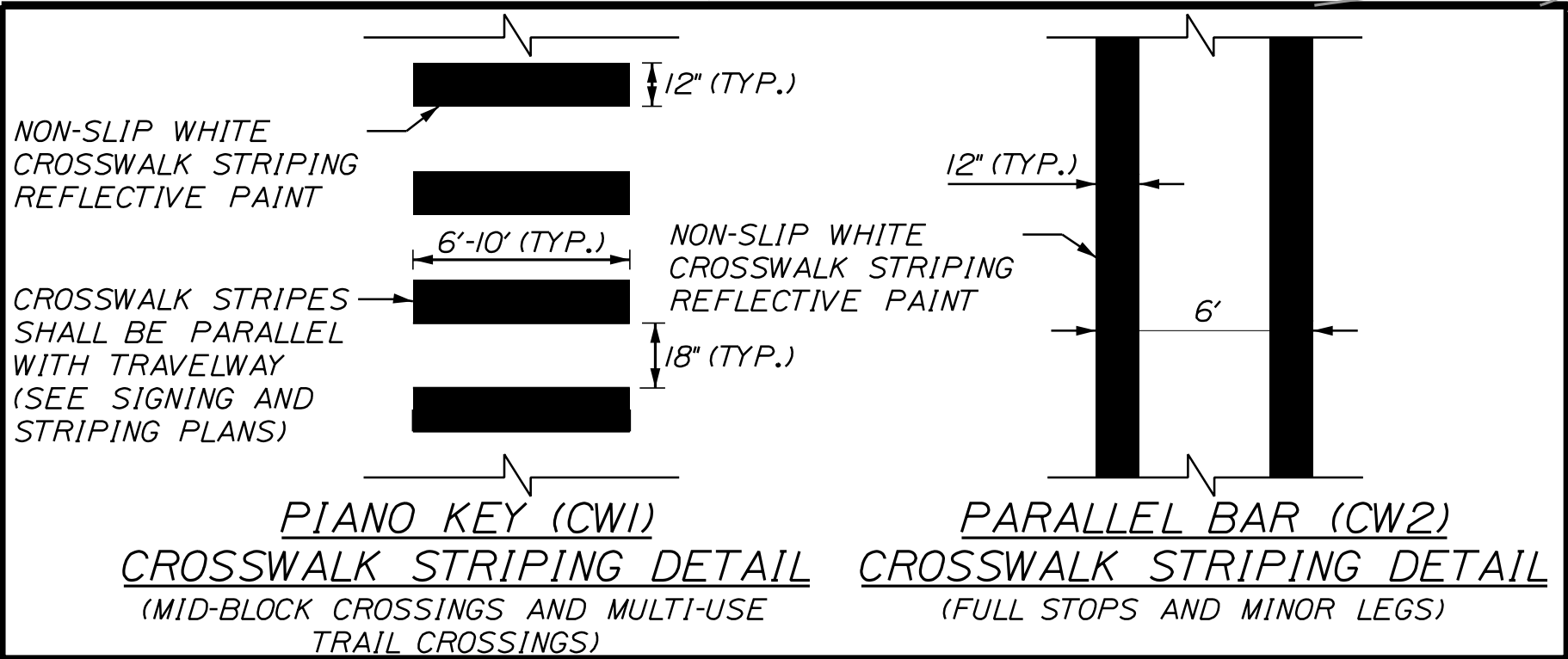
Division: \$wkgroup\$

Filename: \$file\$



STRIPING LEGEND	
SWL	SOLID WHITE LINE
2SYL	TWO SOLID YELLOW LINES
SYL	SOLID YELLOW LINE
SL	WHITE STOP LINE (12" WIDE)
CW	CROSSWALK (SEE DETAILS)

- NOTES:
- ALL WORK SHALL CONFORM WITH THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST VERSION.
 - ALL WORK SHALL CONFORM WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND "STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A. LATEST EDITION.
 - REMOVAL AND RESET OR DISPOSAL OF EXISTING SIGNAGE (AS INDICATED ON THE PLANS OR DIRECTED BY THE RESIDENT) SHALL BE CONSIDERED INCIDENTAL TO 645 PAY ITEMS.
 - FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
 - SIGNS WII-2, WII-9P, AND WII-9P SHOULD BE FLOURESCENT GREEN-YELLOW IN COLOR.
 - FINAL SIGN LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE RESIDENT.

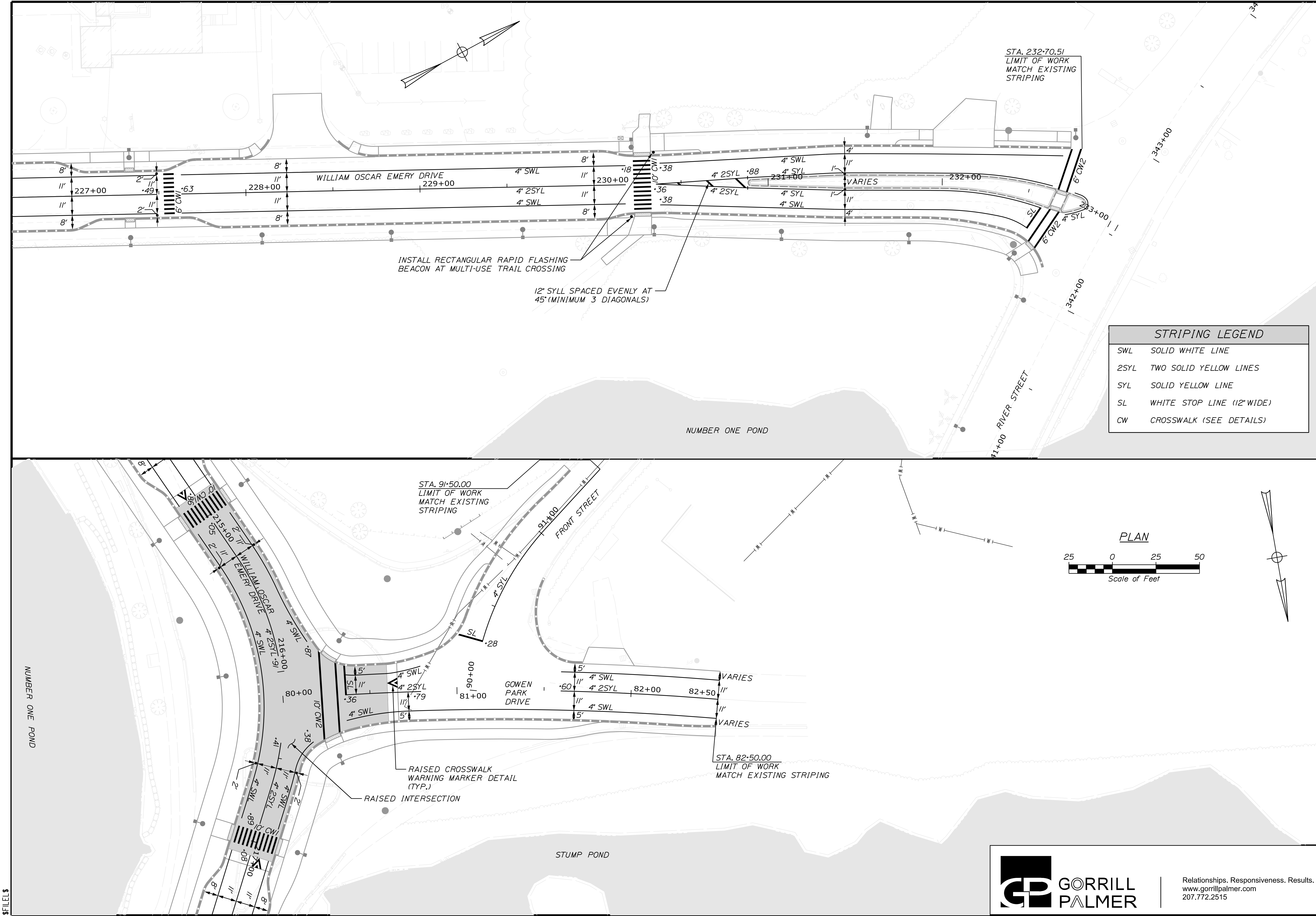


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SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE		SIGNING AND STRIPING PLANS	
SHEET NUMBER 21		OF 106	

PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGNED: J. WARREN <td>M. CUNIFF<td>10/24<td></td></td></td>	M. CUNIFF <td>10/24<td></td></td>	10/24 <td></td>	
CHECKED: J. WAGENBACH <td>D. ETINGER<td>10/24<td></td></td></td>	D. ETINGER <td>10/24<td></td></td>	10/24 <td></td>	
DESIGNED: J. WAGENBACH <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
DESIGNED: J. WAGENBACH <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
REVISIONS 1 <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
REVISIONS 2 <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
REVISIONS 3 <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
REVISIONS 4 <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	
FIELD CHANGES <td><td><td></td></td></td>	<td><td></td></td>	<td></td>	

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SANFORD, MAINE 04073

PROJECT MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

M. HILL

M. WARREN

M. CUNIFF

J. WAGENBACH

D. ETINGER

-

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DATE

10/24

10/24

10/24

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SIGNATURE

P.E. NUMBER

DATE

SANFORD

RIVERSIDE AVENUE AND

WILLIAM OSCAR EMERY DRIVE

SIGNING AND

STRIPING PLANS

SHEET NUMBER

24

OF 106

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PROPOSED SIGN SUMMARY

[illegible]

* CONTRACTOR SHALL DETERMINE APPROPRIATE POST AND MOUNTING REQUIREMENTS FOR LOCATIONS WHERE MULTIPLE SIGNS ARE TO BE MOUNTED TOGETHER IN AN ASSEMBLY.

NOTES:

1. ALL WORK SHALL CONFORM WITH THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST VERSION.

2. ALL WORK SHALL CONFORM WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND "STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A. LATEST EDITION.

3. REMOVAL OF EXISTING SIGNS AND POSTS WILL BE PAID UNDER ITEM 645.06, THIS ITEM SHALL ALSO INCLUDE DISPOSAL OF SIGN MATERIALS NOT IDENTIFIED FOR REUSE AND DELIVERY OF PRIVATE SIGNS (AND ALL RELATED PROPERTY FEATURES) TO ABUTTING PROPERTY OWNERS. RESETTling EXISTING SIGNS AND POSTS WILL BE PAID UNDER ITEM 645.116, REPLACEMENT OF ANY POSTS NOT CONSIDERED SUITABLE FOR REUSE (AND ADDITION OF POLES/POSTS IF NECESSARY) SHALL BE INCIDENTAL TO THIS ITEM PER THE DISCRETION OF THE RESIDENT. WHERE MULTIPLE SIGNS ARE MOUNTED TO THE SAME POLE(S)/POST(S), THE ENTIRE SIGN ASSEMBLY WILL BE MEASURED AS A SINGLE UNIT UNDER EACH APPLICABLE PAY ITEM.

4. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS (INCIDENTAL TO THE CONTRACT).

5. PROPOSED SIGN LOCATIONS, OFFSET AND HEIGHT SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), LATEST EDITION.

6. FOR SIGNS DESIGNATED TO BE INSTALLED ON WOOD POSTS REFER TO STANDARD SPECIFICATIONS TO DETERMINE THE SIZE OF THE WOOD POSTS.

7. PROPOSED SIGN LOCATIONS ARE APPROXIMATE. THE FINAL LOCATION AND DISPOSITION OF PROPOSED AND EXISTING SIGNAGE SHALL BE AS DIRECTED BY RESIDENT OR REGIONAL TRAFFIC ENGINEER.

8. SIGN PANELS FOR ITEM 642.292 SHALL BE SHEET ALUMINUM.

SHEET NUMBER 25 OF 106	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE SIGN SUMMARY	PROJ. MANAGER	LAURIE ROWE	BY	DATE
		CHECKED-DETAILED	T. WARREN	M.GUNDIFF	09/25
		DESIGNED-REVIEWED	J.WINGENBACH	D.ETTINGER	09/25
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
		DESIGNED-DETAILED	-	-	-
CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073					
WIN 025335.00					

SHEET NUMBER 26 OF 106	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3	M. HILL T. WARREN M. CUNDIFF D. ETTINGER	DATE 09/25 09/25		CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
	GEOMETRIC PLANS	REVISIONS 1	-	-	P.E. NUMBER	
		REVISIONS 2	-	-		
		REVISIONS 3	-	-		
		REVISIONS 4	-	-	DATE	
		FIELD CHANGES	-	-	-	WIN 025335.00

U:\City of Sanford Maine\3421.11\William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\027_CurbingPlan2.dgn

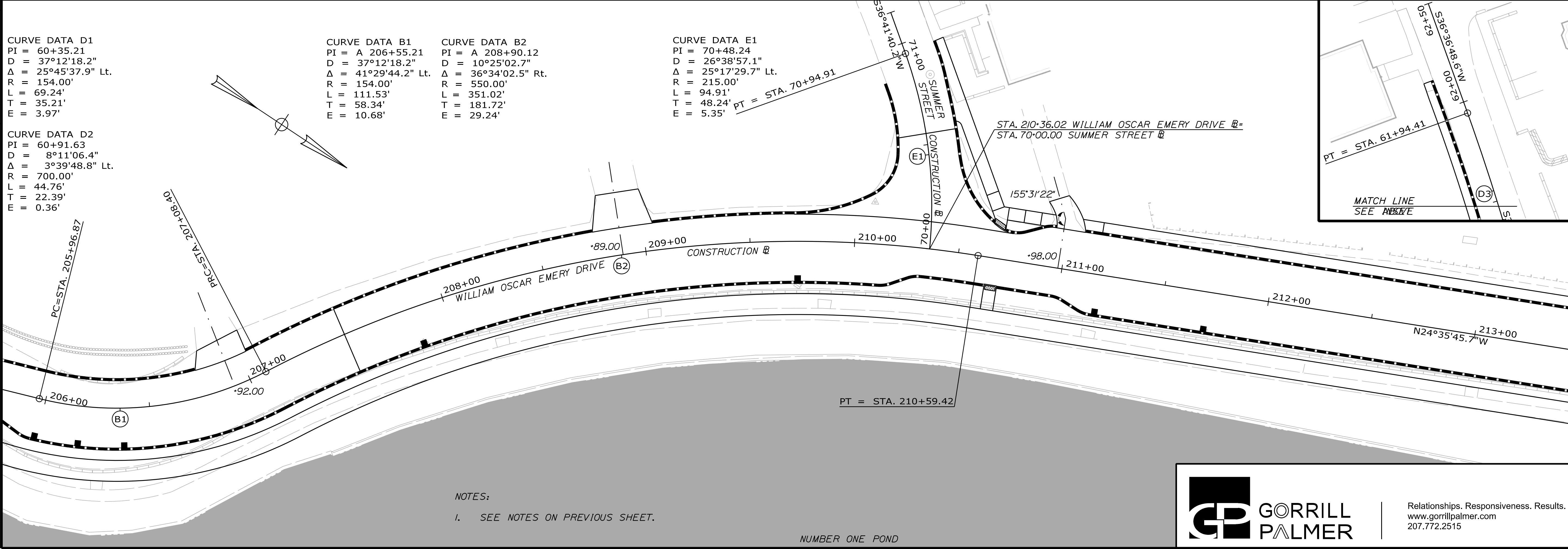
CURVE DATA D1
PI = 60+35.21
D = 37°12'18.2"
Δ = 25°45'37.9" Lt.
R = 154.00'
L = 69.24'
T = 35.21'
E = 3.97'

CURVE DATA D2
PI = 60+91.63
D = 8°11'06.4"
Δ = 3°39'48.8" Lt.
R = 700.00'
L = 44.76'
T = 22.39'
E = 0.36'

CURVE DATA B1
PI = A 206+55.21
D = 37°12'18.2"
Δ = 41°29'44.2" Lt.
R = 154.00'
L = 111.53'
T = 58.34'
E = 10.68'

CURVE DATA B2
PI = A 208+90.12
D = 10°25'02.7"
Δ = 36°34'02.5" Rt.
R = 550.00'
L = 351.02'
T = 181.72'
E = 29.24'

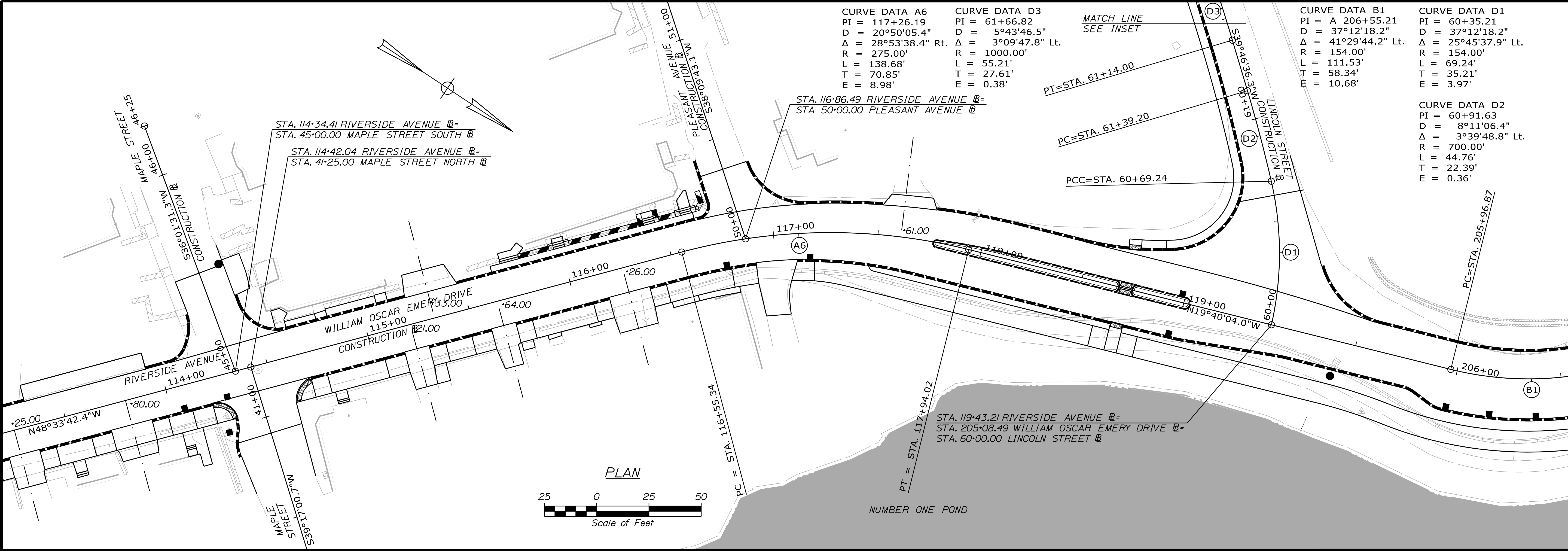
CURVE DATA E1
PI = 70+48.24
D = 26°38'57.1"
Δ = 25°17'29.7" Lt.
R = 215.00'
L = 94.91'
T = 48.24'
E = 5.35'



NOTES:
1. SEE NOTES ON PREVIOUS SHEET.



Relationships. Responsiveness. Results.
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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
GEOMETRIC PLANS

SHEET NUMBER

27

OF 106

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	I. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WILHELM	D. ETINGER	09/25
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

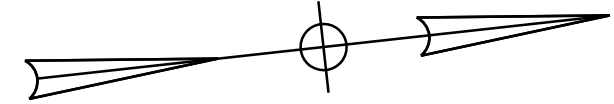
WIN
025335.00

Filename: ... \Highway\028_CurbingPlan3.dgn

CURVE DATA B3
PI = 216+02.28
D = 37°12'18.2"
Δ = 51°20'48.5" Rt.
R = 154.00'
L = 138.01'
T = 74.03'
E = 16.87'

CURVE DATA F1
PI = 81+25.29
D = 3°49'11.0"
Δ = 9°32'57.5" Rt.
R = 1500.00'
L = 250.00'
T = 125.29'
E = 5.22'

CURVE DATA B4
PI = 220+54.93
D = 0°03'32.6"
Δ = 0°27'33.0" Rt.
R = 97000.00'
L = 777.34'
T = 388.67'
E = 0.78'



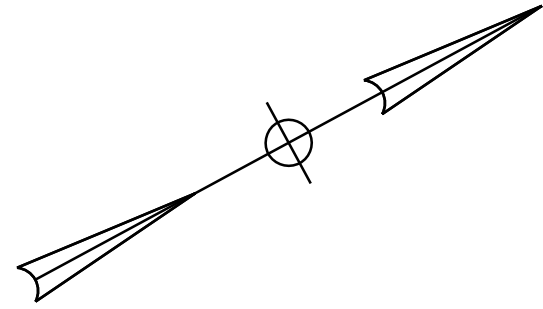
STA. 216+15.98 WILLIAM OSCAR EMERY DRIVE B =
STA. 80+00.00 GOWEN PARK DRIVE B

NUMBER ONE POND

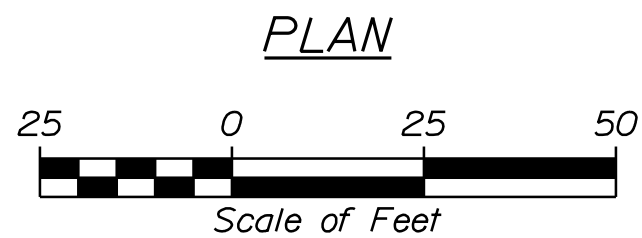
CURVE DATA B4
PI = 220+54.93
D = 0°03'32.6"
Δ = 0°27'33.0" Rt.
R = 97000.00'
L = 777.34'
T = 388.67'
E = 0.78'

NOTES:

1. SEE NOTES ON PREVIOUS SHEET.



PT = STA. 224+43.61



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	MCDONIFF	09/25
CHECKED-REVIEWED	J. WICKENBACH	D. EITINGER	09/25
DESIGN - OF TAKE EOI	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-
SIGNATURE			
P.E. NUMBER			
DATE			

**SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
GEOMETRIC PLANS**

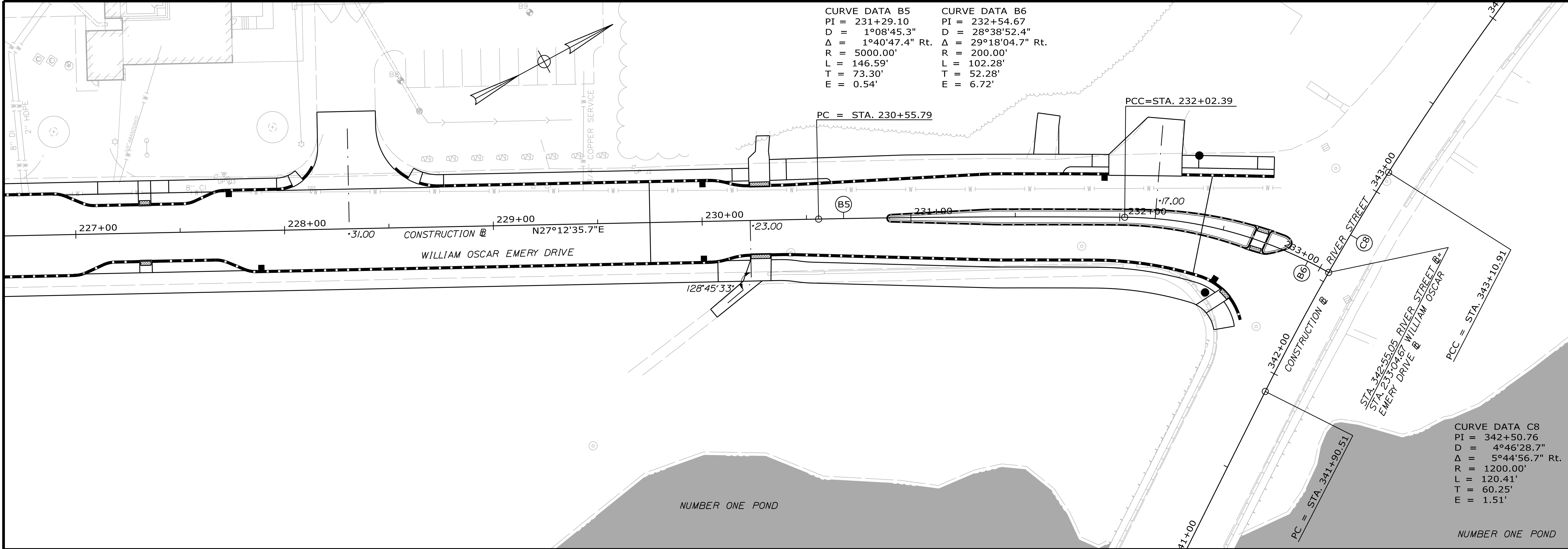
SHEET NUMBER

28

OF 106



Relationships. Responsiveness. Results.
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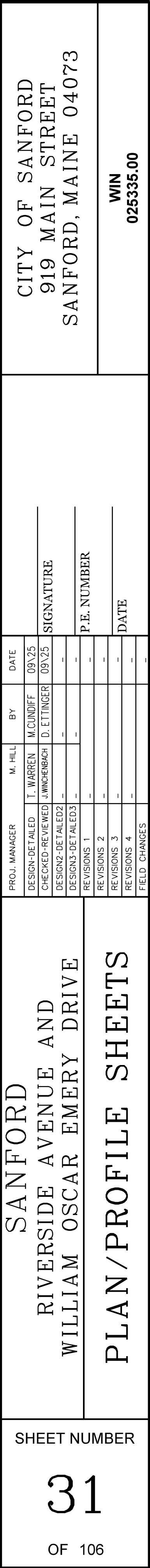
Relationships. Responsiveness. Results.
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207.772.2515

OF 106

GEOMETRIC PLANS

PROJ. MANAGER	M. HILL	BY	DATE
CHECKED-DETAILED	T. WARREN	M'CUNIFF	09/25
DESIGNED-REVIEWED	J. WUNDERLICH	D. EITINGER	09/25
DESIGNED-DETAILS	—	—	—
REVISIONS 1	—	—	—
REVISIONS 2	—	—	—
REVISIONS 3	—	—	—
REVISIONS 4	—	—	—
FIELD CHANGES	—	—	—
SIGNATURE			
P.E. NUMBER			
DATE			

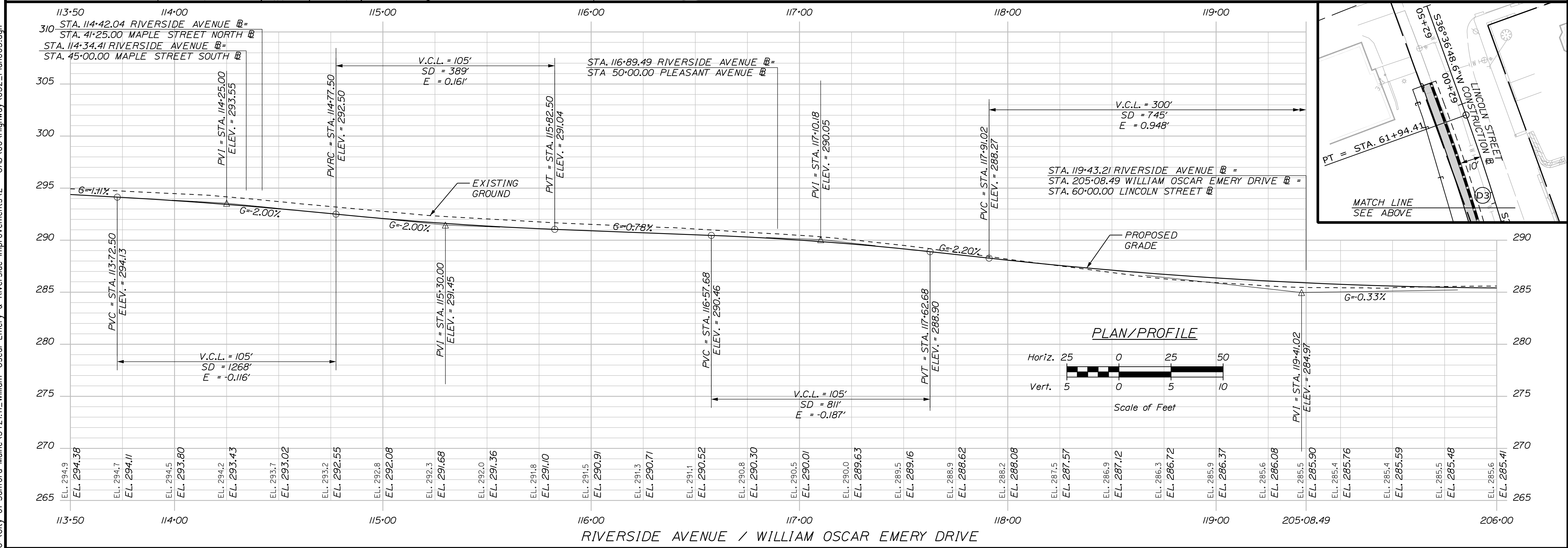
WIN
025335.00



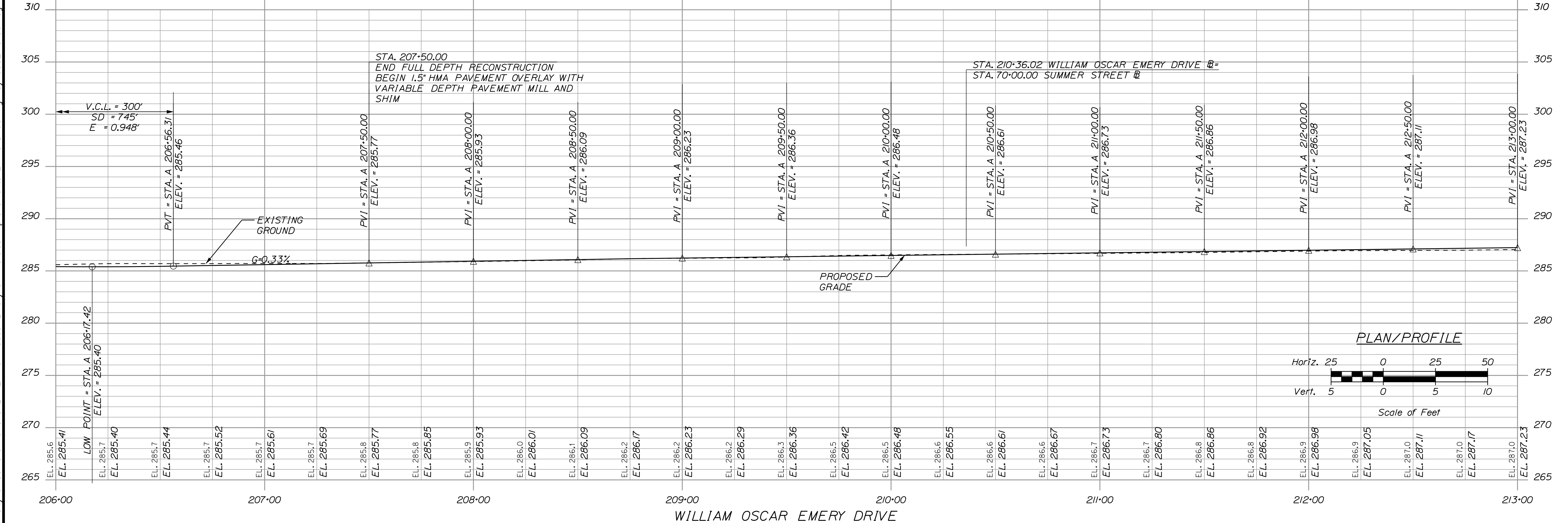
NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

4. FOR ADDITIONAL INFORMATION
REGARDING PARK AMENITIES SEE
APPENDIX A1.

DRAINAGE NOTES:
1. SEE NOTES ON PREVIOUS SHEET.



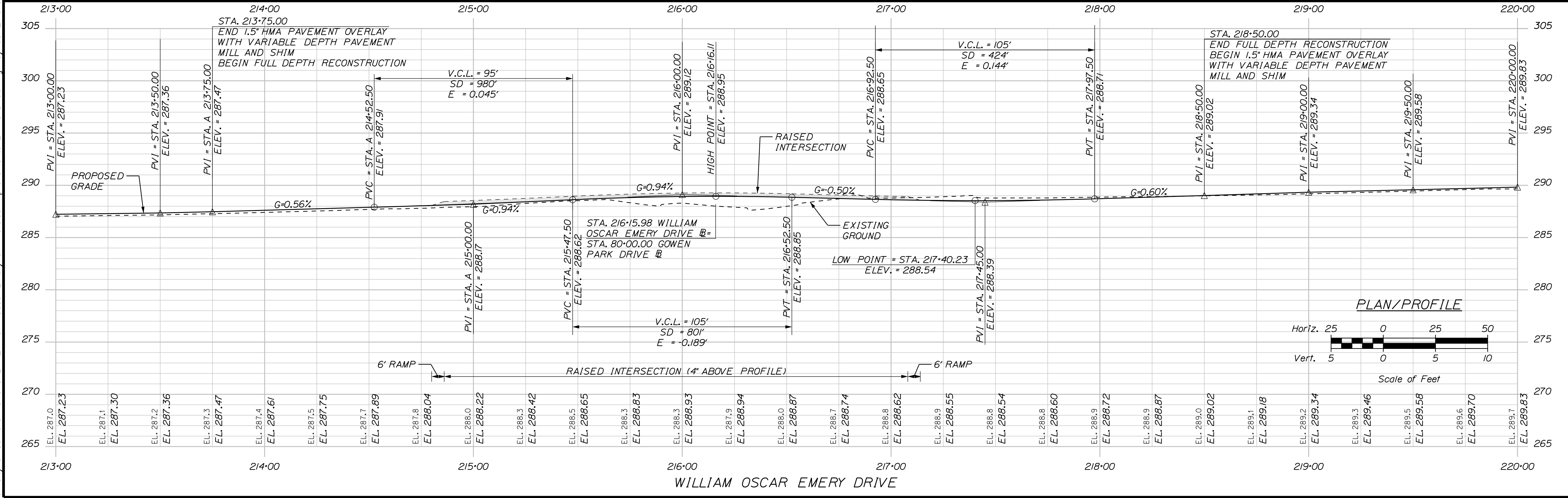
SHEET NUMBER
32
OF 106



OF 106

Filename: ... \00\Highway\034_Plan005.dgn Division: HIGHWAY Username: Mike Cundiff Date: 9/26/2025

05.dgn



SHEET NUMBER

34

OF 106

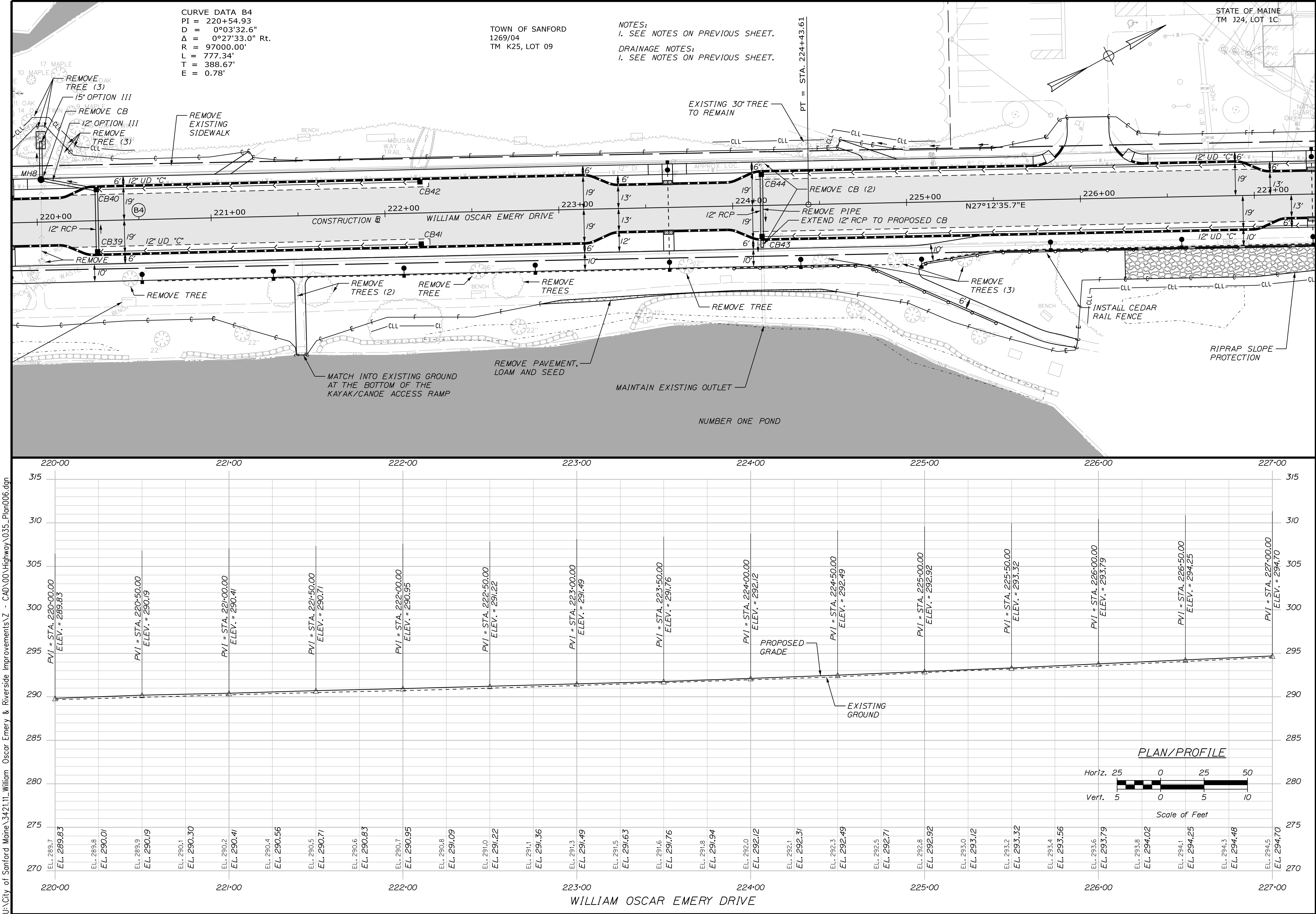
Date:9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...\\00\\Highway\\035_Plan006.dgn

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CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

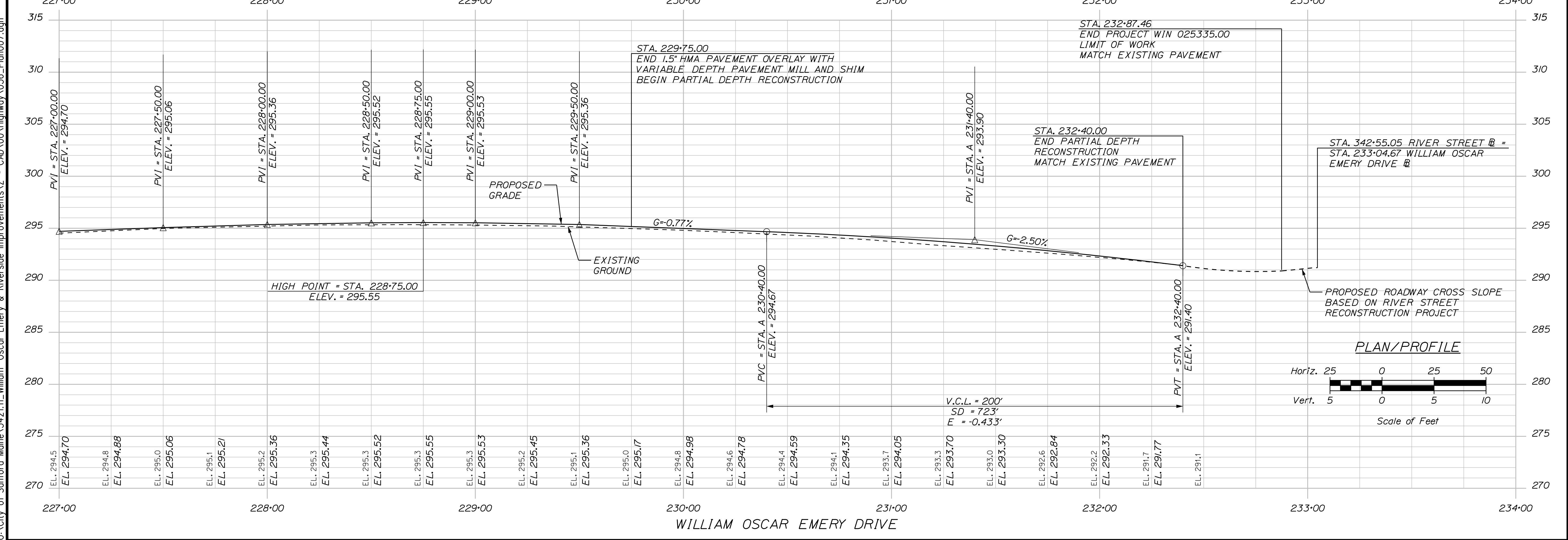
WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25	
CHECKED-REVIEWED	J. WILHELM	D. ETINGER	09/25	
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

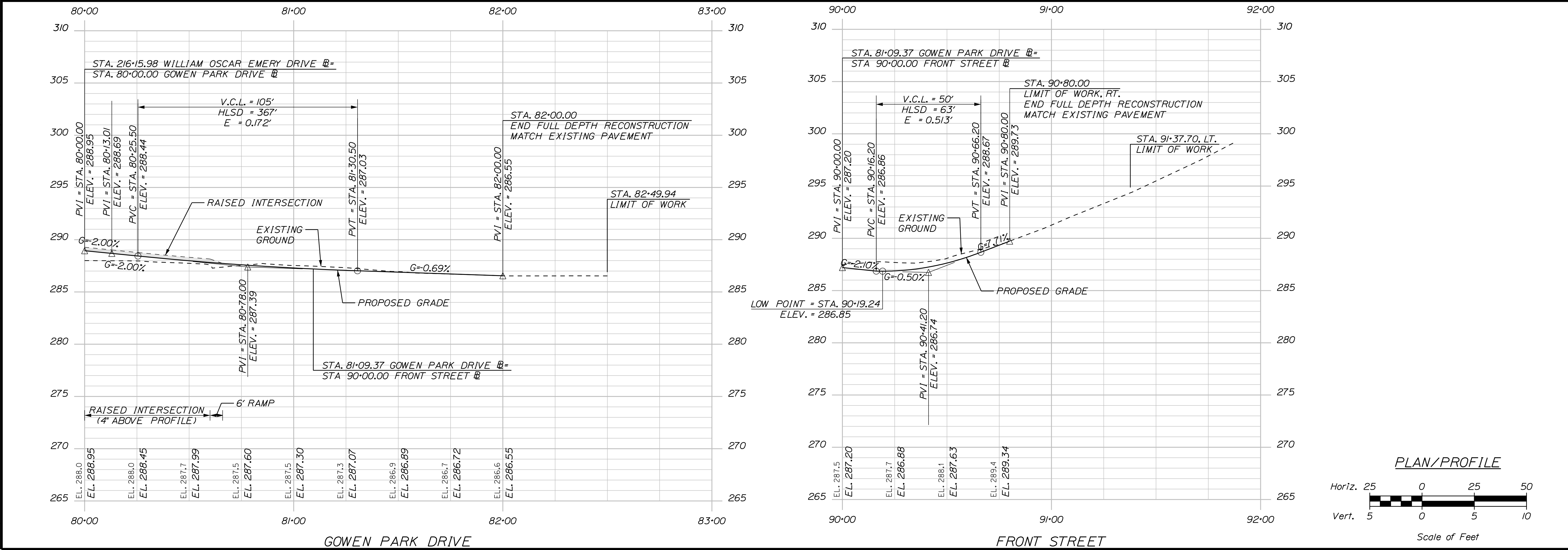
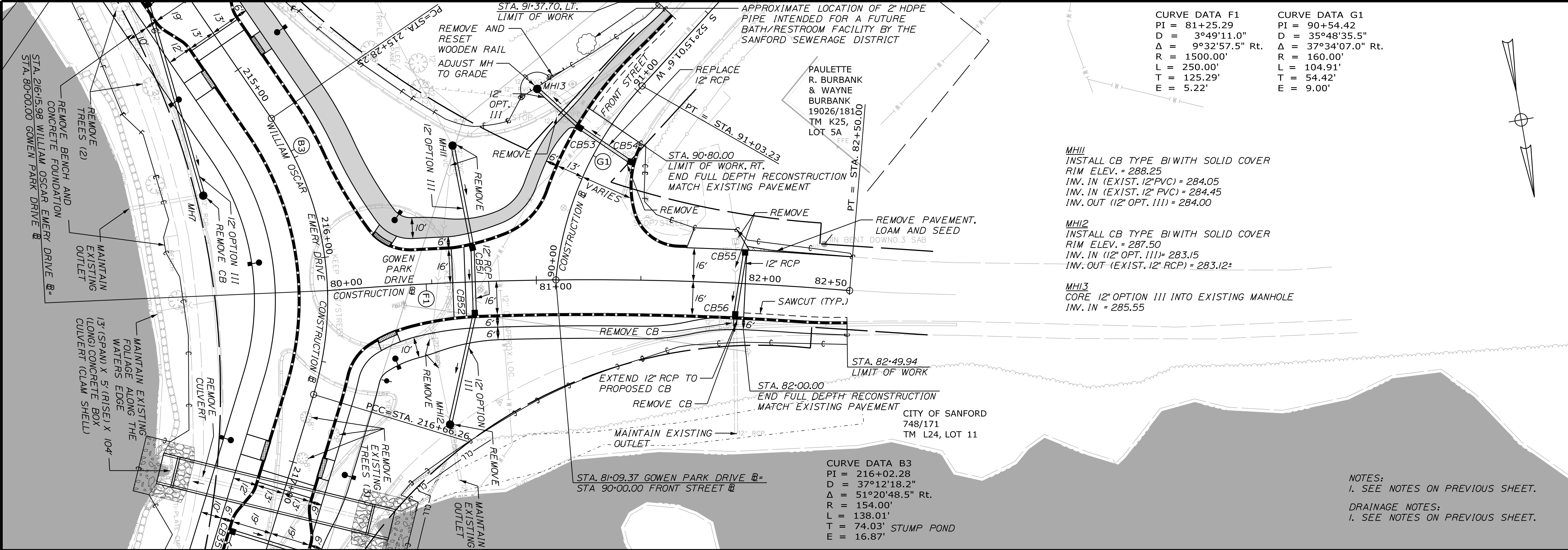
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

PLAN/PROFILE SHEETS

SHEET NUMBER
35
OF 106



SHEET NUMBER 36	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE							CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073	
	PLAN/PROFILE SHEETS								
	PROJ. MANAGER		M. HILL	BY	DATE				
	DESIGN-DETAILED		T. WARREN	M.CUNIFF	09/25				
	CHECKED-REVIEWED		J.WINGENBACH	D. ETTINGER	09/25	SIGNATURE			
	DESIGN-DETAILED2		-	-	-				
DESIGN-DETAILED3		-	-	-	P.E. NUMBER				
REVISONS 1		-	-	-					
REVISONS 2		-	-	-					
REVISONS 3		-	-	-					
REVISONS 4		-	-	-	DATE				
FIELD CHANGES		-	-	-					
WIN		025335.00							



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

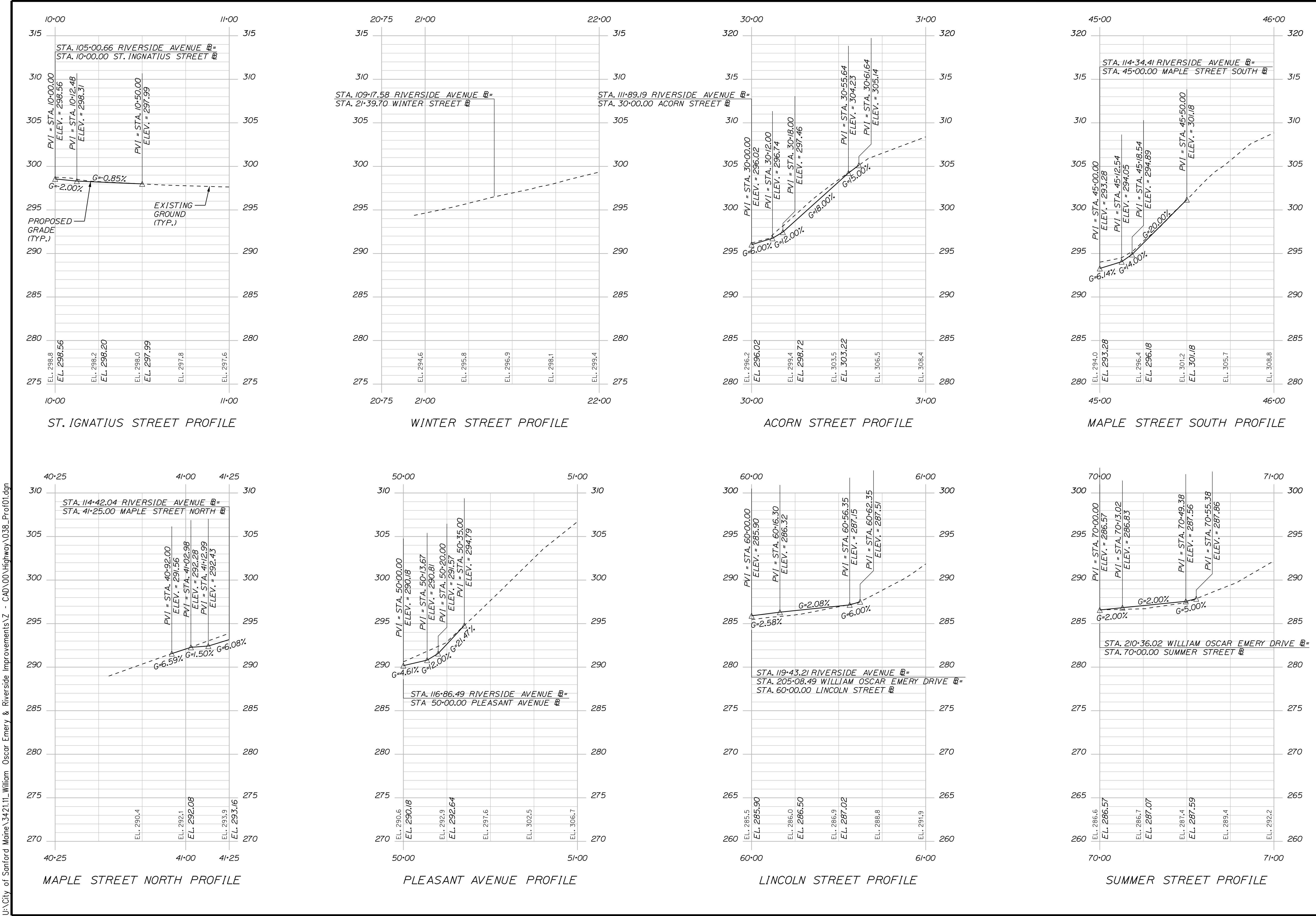
PROJ. MANAGER	M. HILL	BY	DATE
CHECKED-DETAILED	T. WARREN	M. CUNDIFF	09/25
DESIGNED-DETAILED	J. WILSON	D. ETINGER	09/25
DESIGNED-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE	P.E. NUMBER	DATE

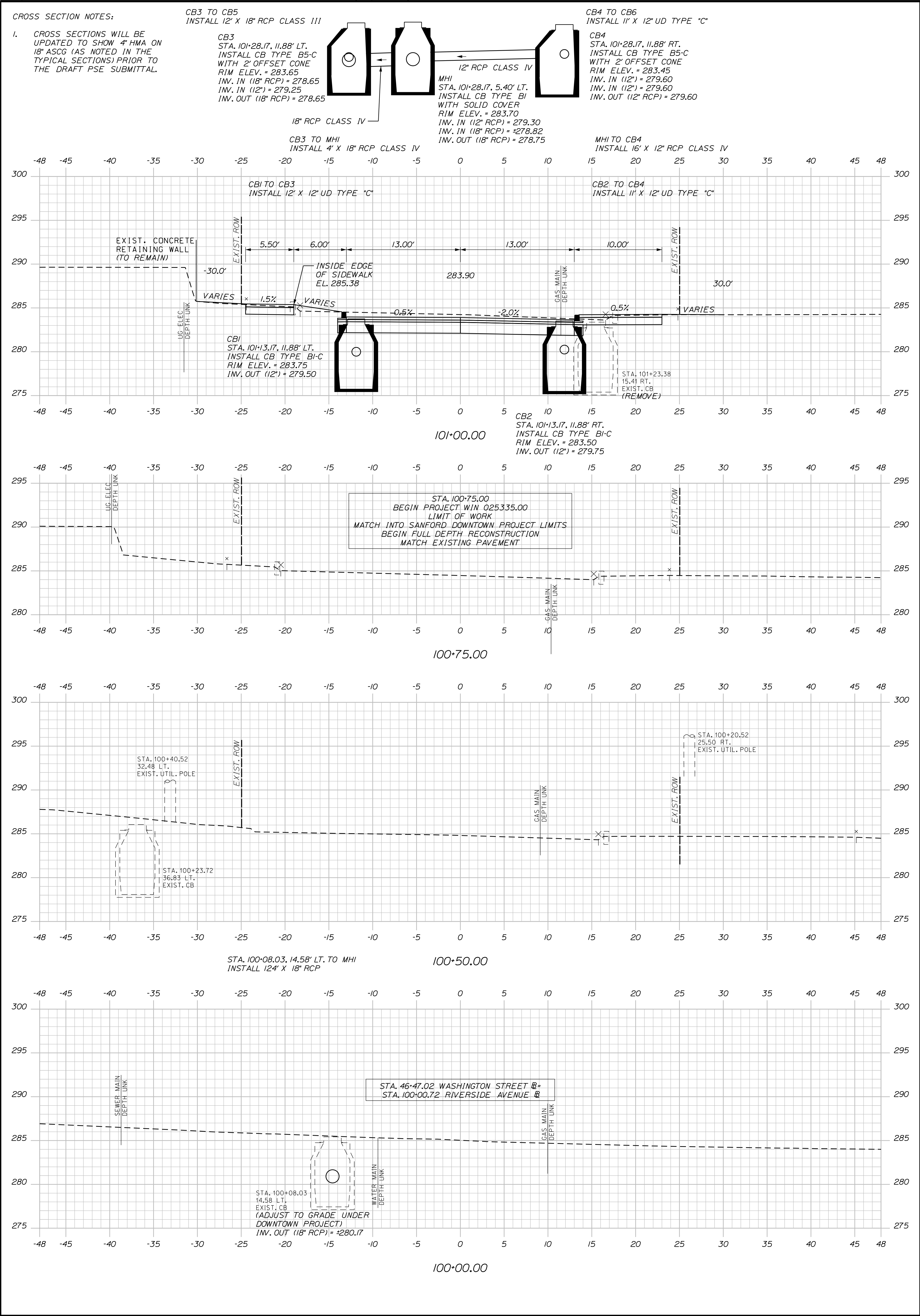
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

PLAN/PROFILE SHEETS

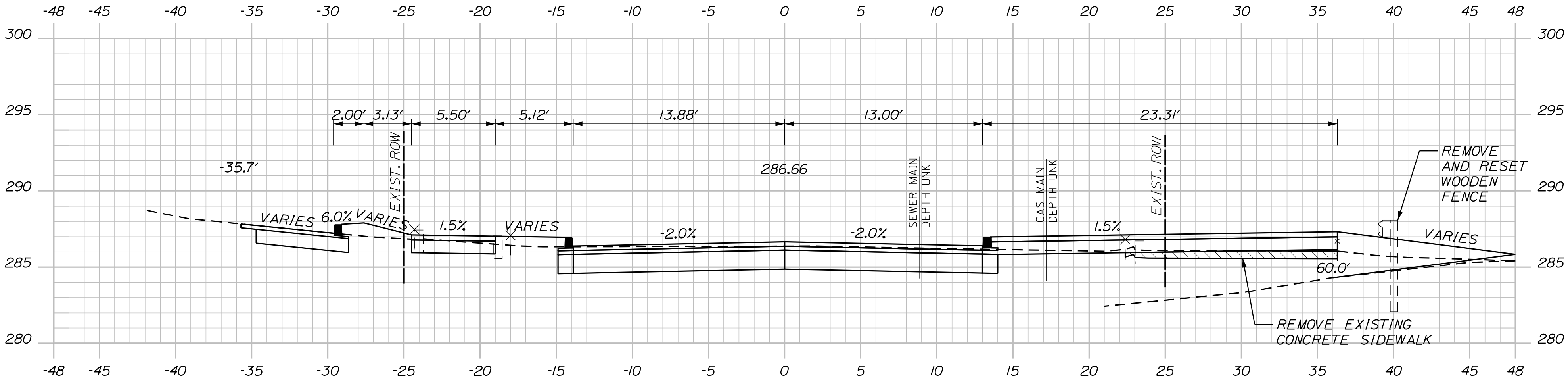
SHEET NUMBER
37
OF 106



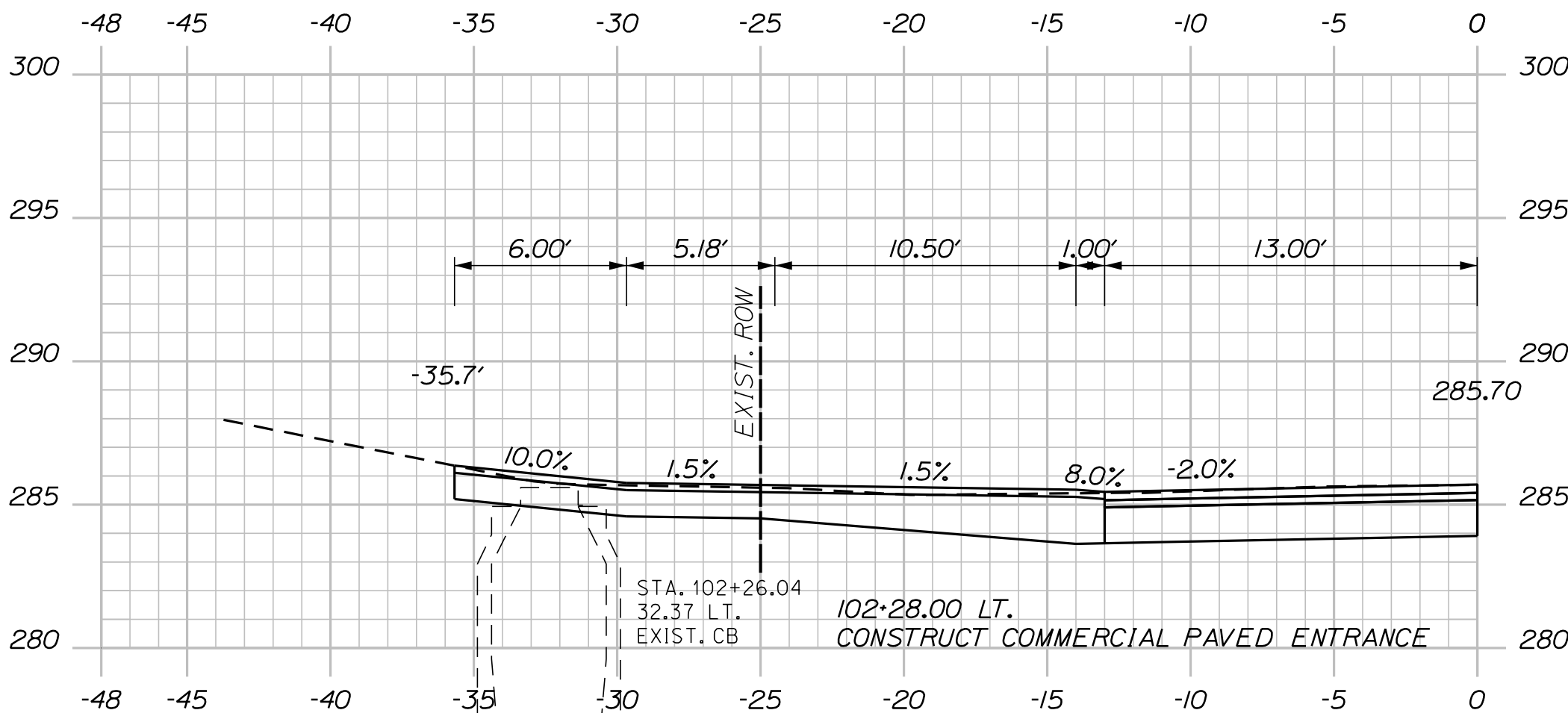
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U:\\City of Sanford Maine\\3421.11-William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



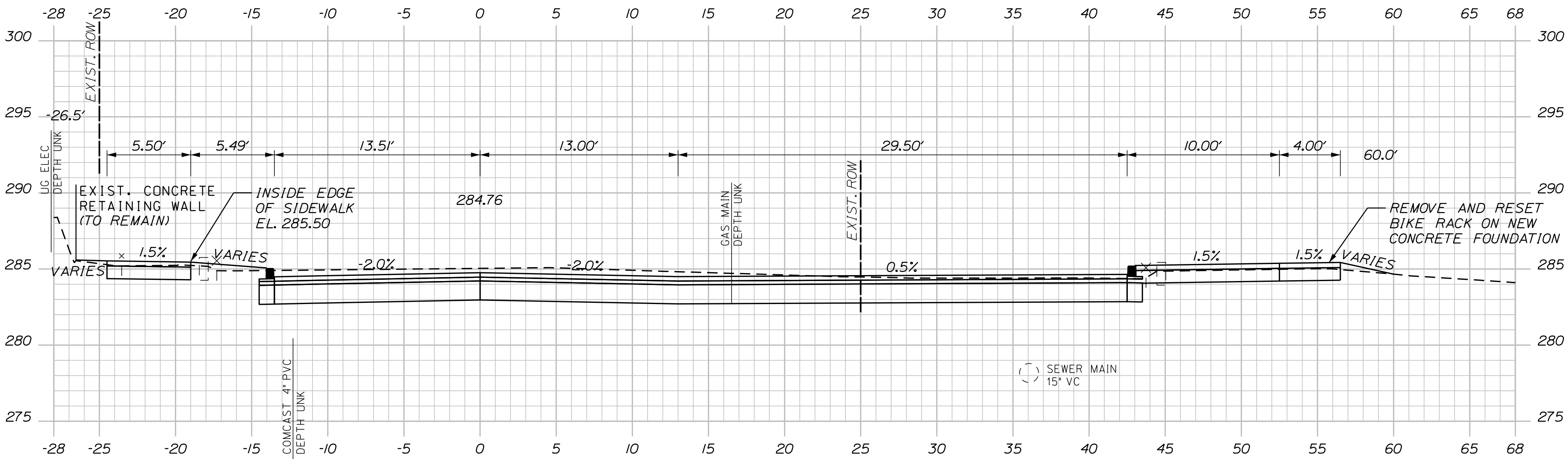
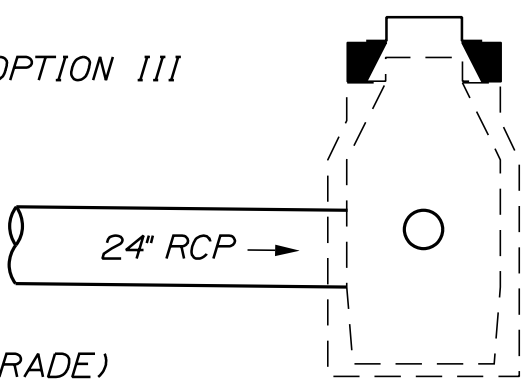
102+50.00



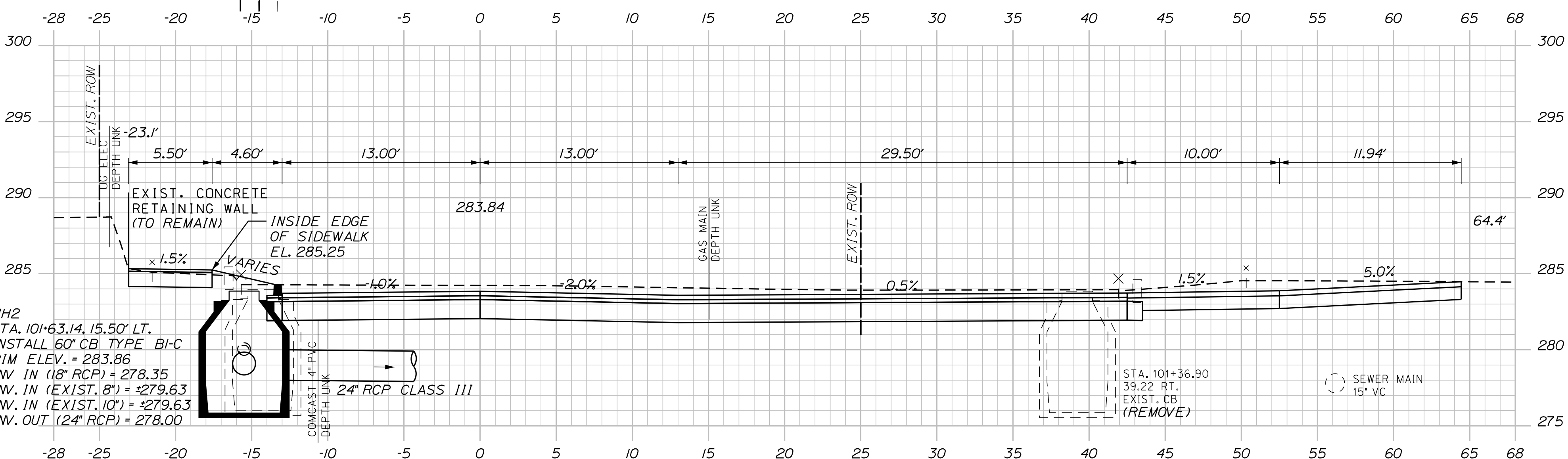
102+28.00
(COMMERCIAL PAVED ENTRANCE)

MH3 TO CB8
INSTALL 51' X 12" OPTION 111

MH3
STA. 102+32.79
49.37 RT.
EXIST. MH
(ADJUST MH TO GRADE)
RIM ELEV. = 286.35
INV. IN (24" RCP) = TBD
INV. IN (12" OPT. 111) = TBD
INV. OUT (EXIST. 24" RCP) = TBD

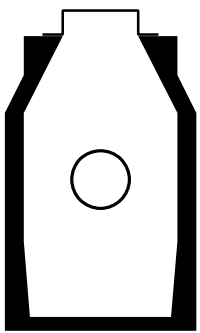


102+00.00

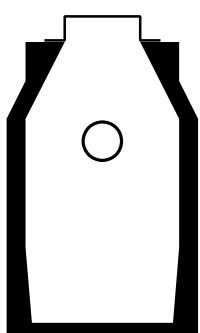


101+50.00

CB5
STA. 101+43.17, 11.88' LT.
INSTALL CB TYPE BI-C
RIM ELEV. = 283.65
INV. IN (18" RCP) = 278.50
INV. OUT (18" RCP) = 278.50



CB6
STA. 101+43.17, 11.88' RT.
INSTALL CB TYPE BI-C
RIM ELEV. = 283.50
INV. OUT (12") = 279.75



SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE
P.E. NUMBER
DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

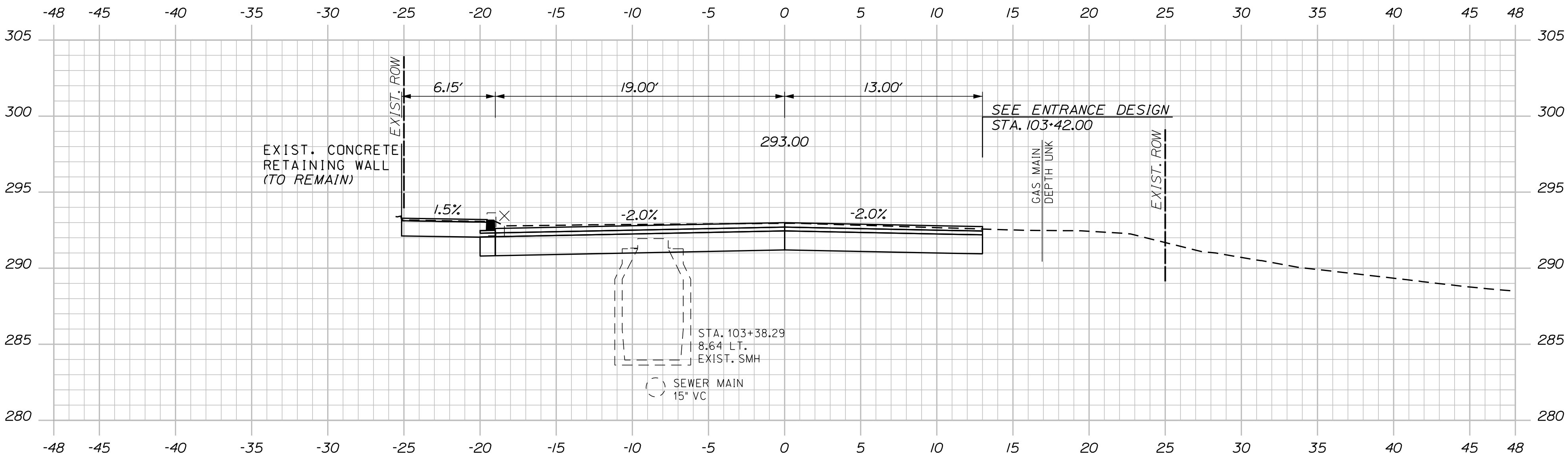
SHEET NUMBER

40

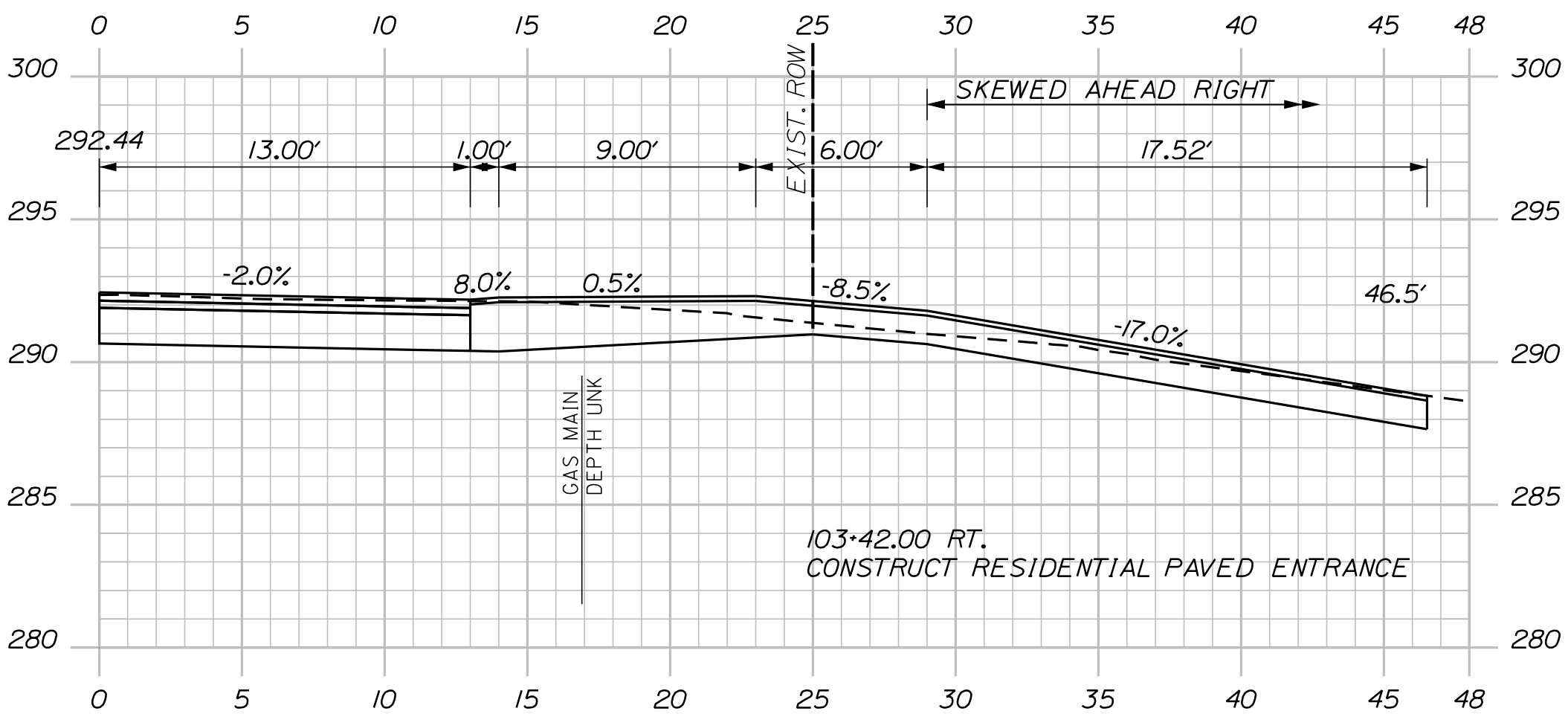
OF 106

Sta. 101+50.00 to Sta. 102+50.00

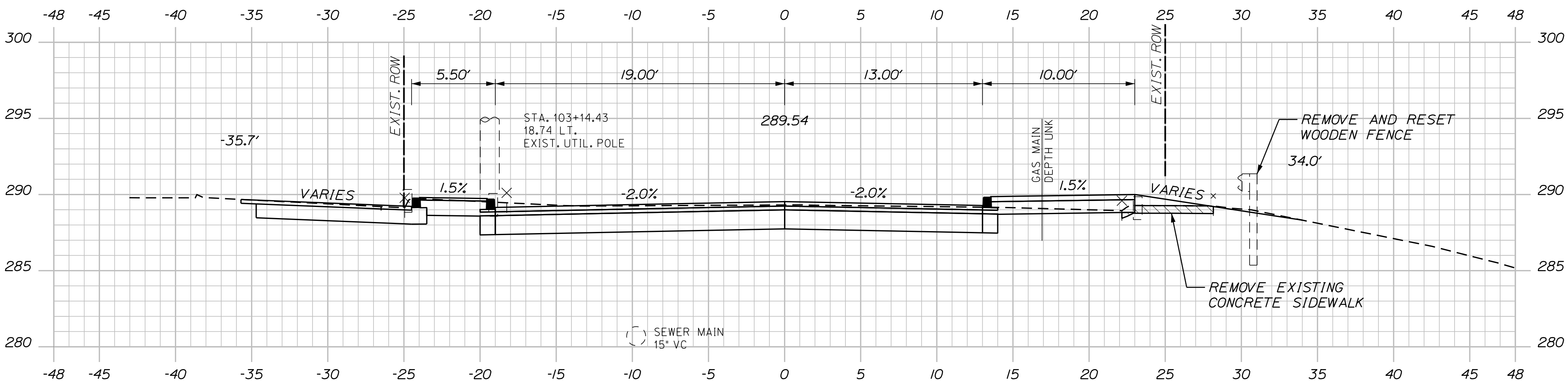
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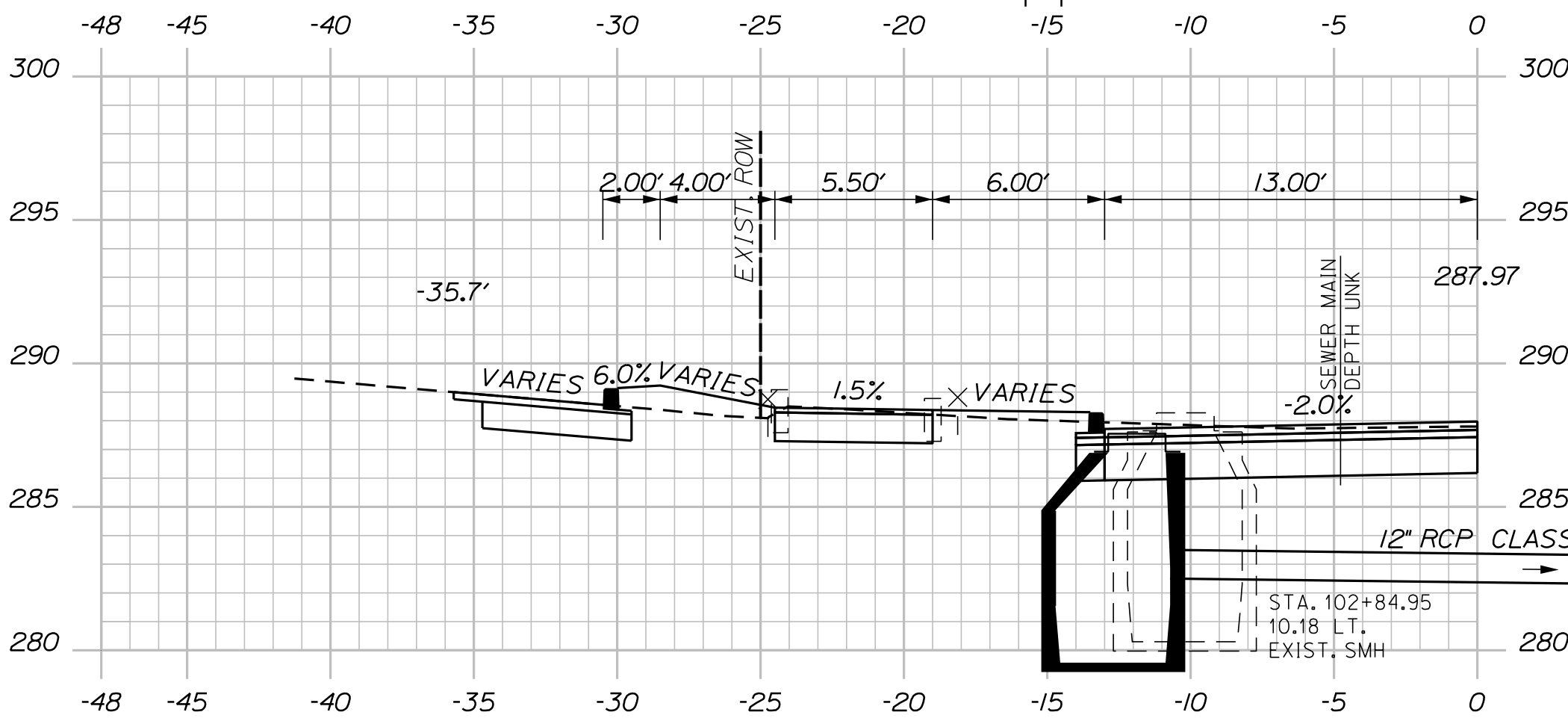
103+50.00



103+42.00
(RESIDENTIAL PAVED ENTRANCE)



103+00.00



102+75.00

CB7
STA. 102+72.44, 11.87' LT.
INSTALL CB TYPE B5-C
WITH 2' OFFSET CONE
RIM ELEV. = 287.55
INV. OUT (12" RCP) = 282.50

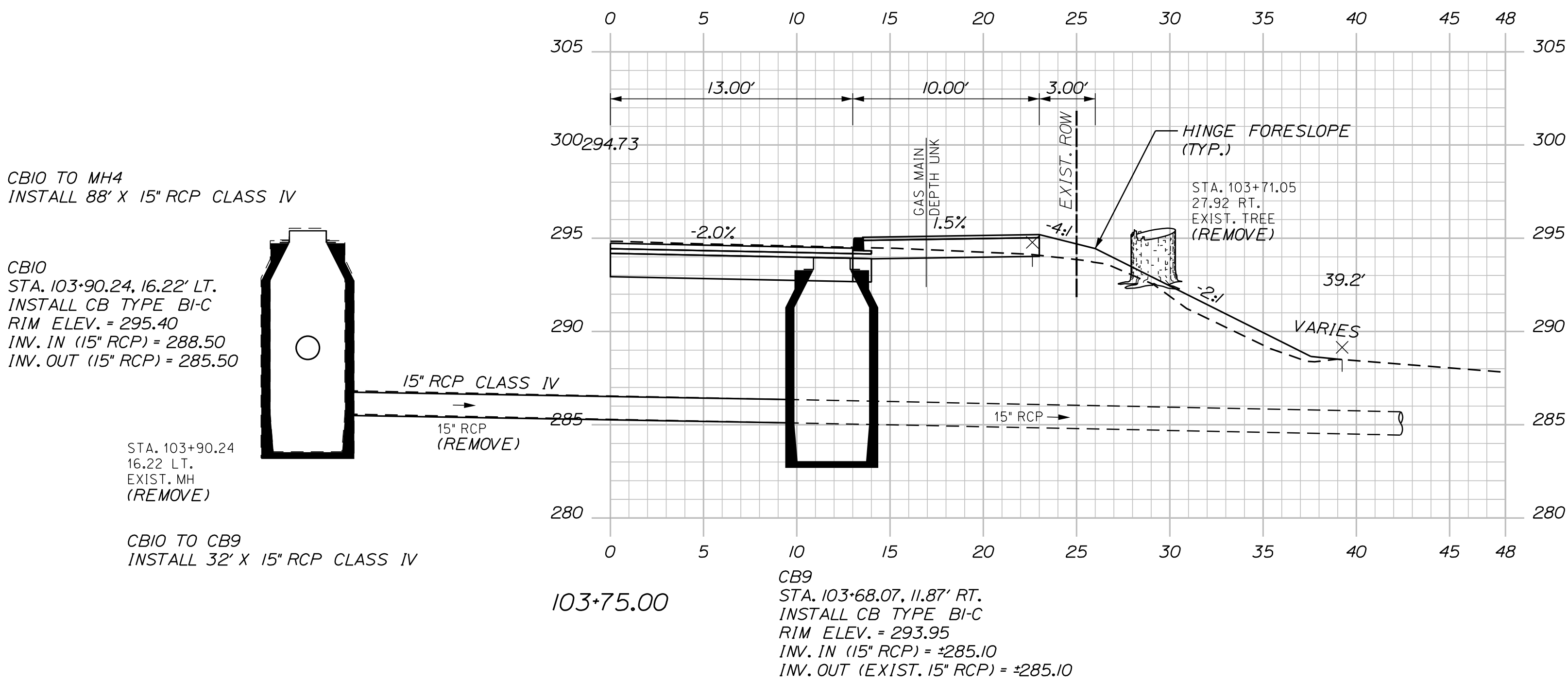
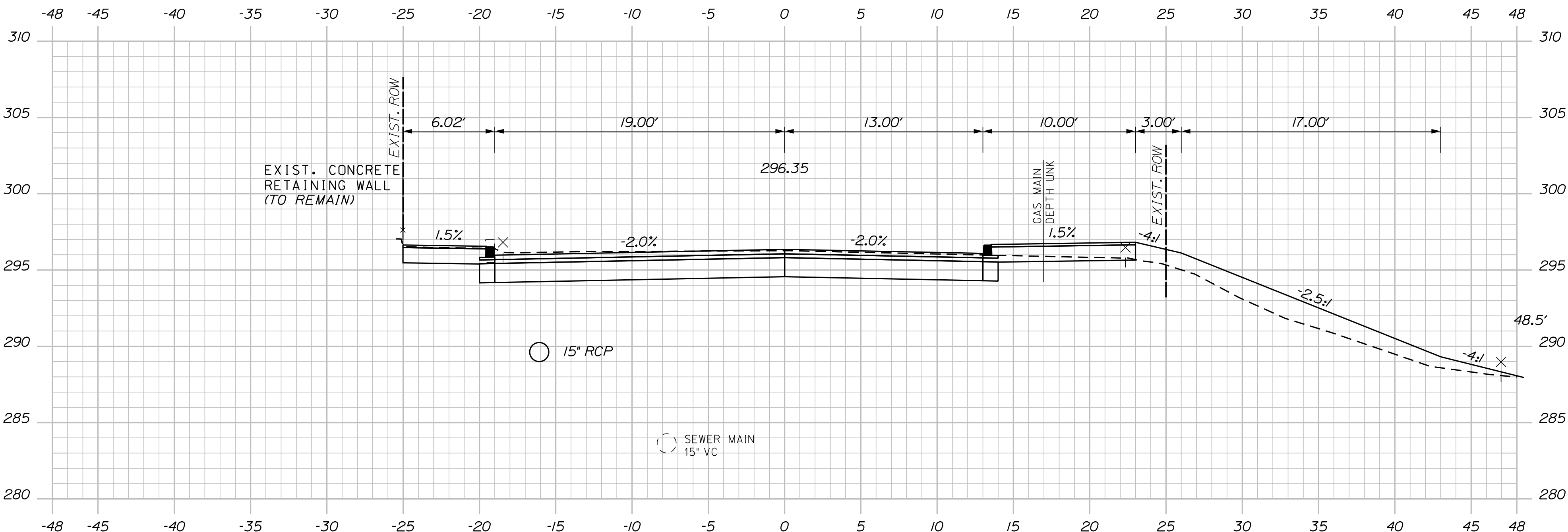
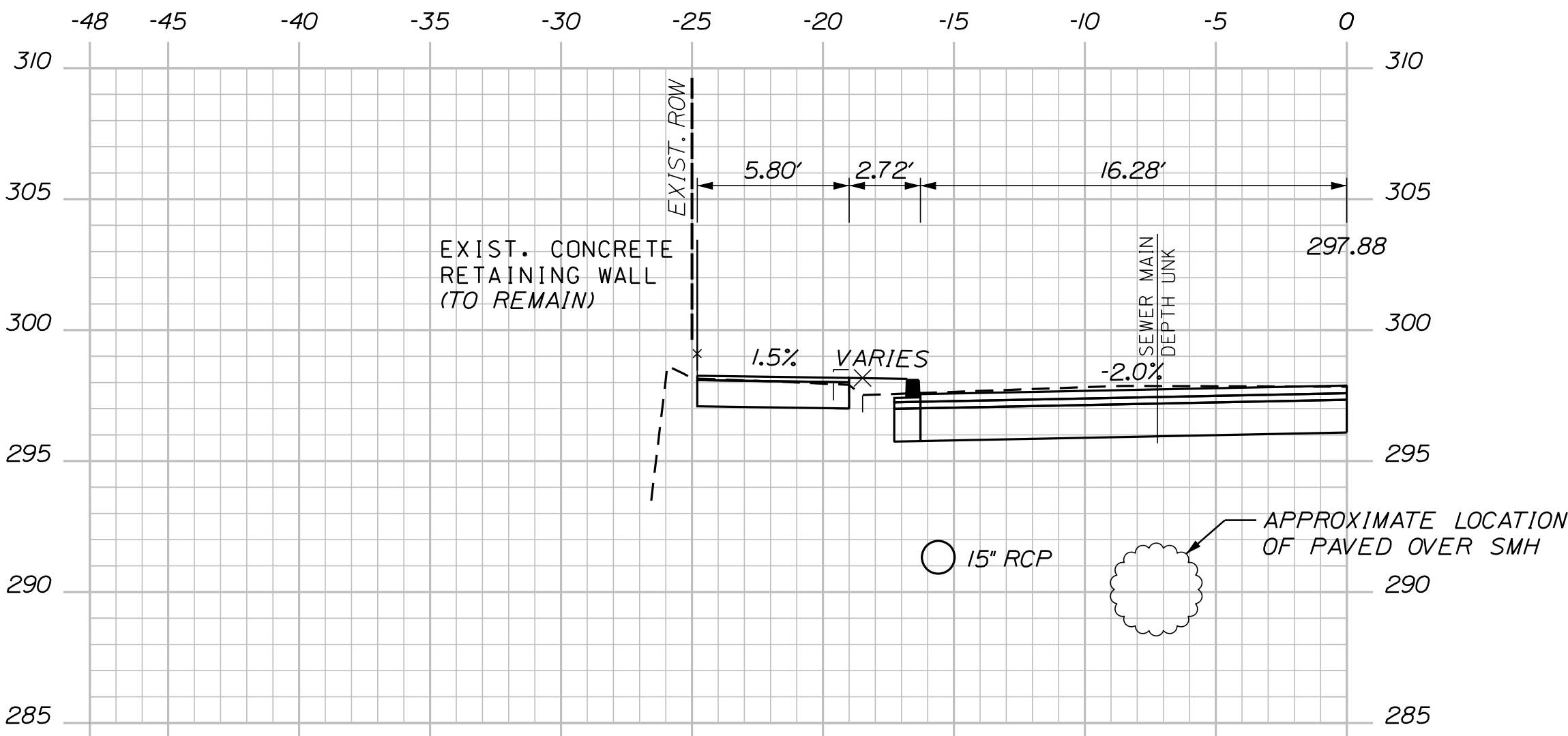
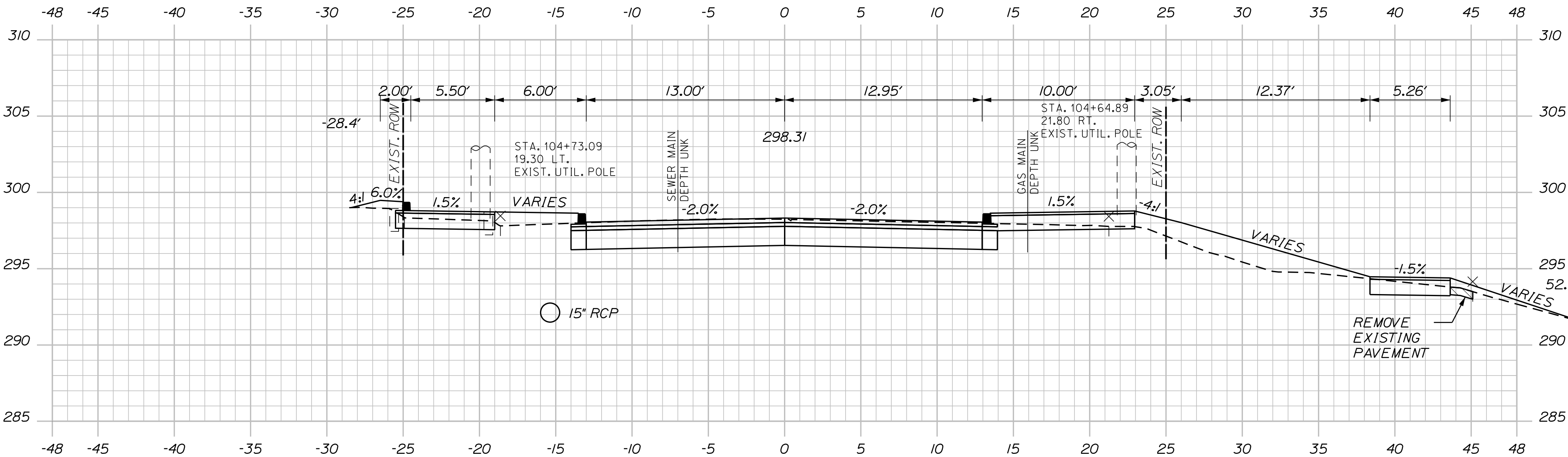
CB7 TO CB8
INSTALL 24' X 12" RCP CLASS IV

CB8
STA. 102+72.44, 11.87' RT.
INSTALL CB TYPE BI-C
RIM ELEV. = 287.55
INV. IN (12" RCP) = 282.25
INV. OUT (12" OPT. III) = 282.00

Sta. 102+75.00 to Sta. 103+50.00

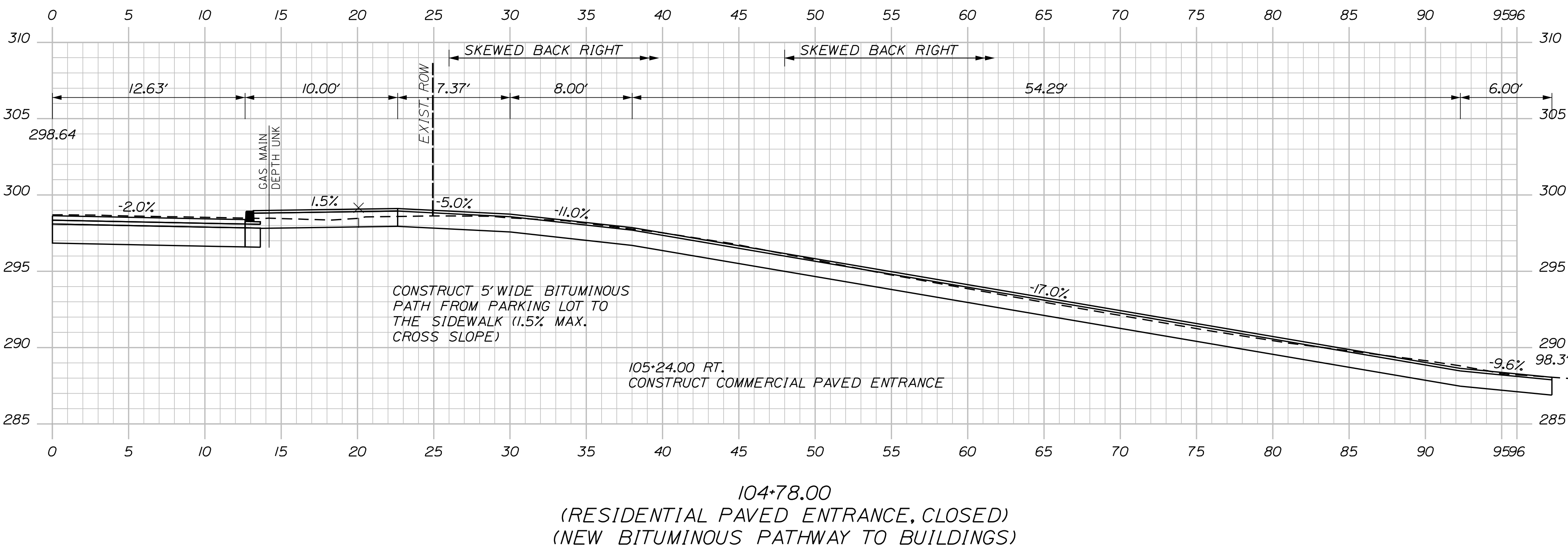
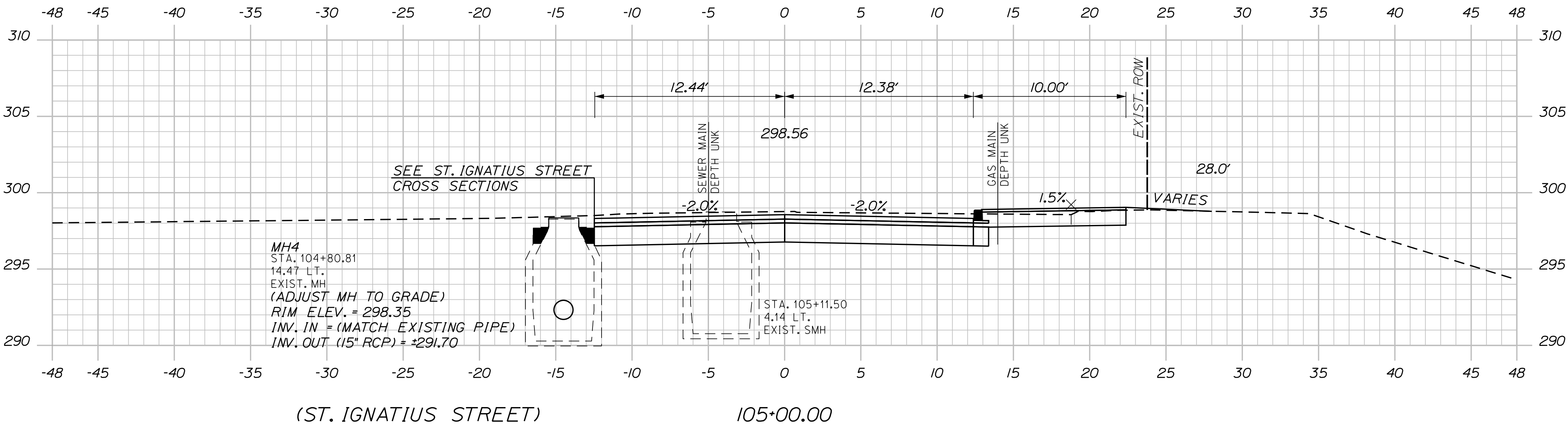
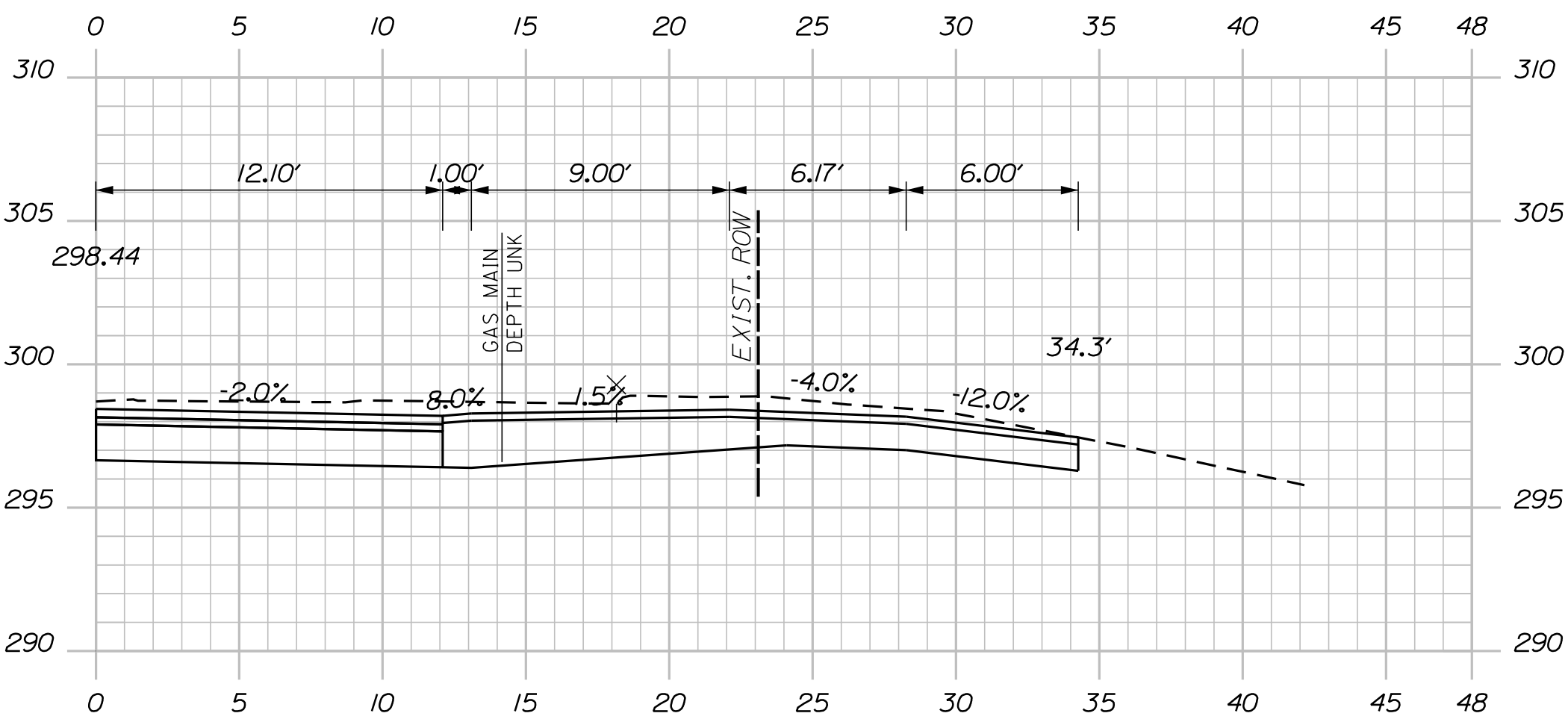
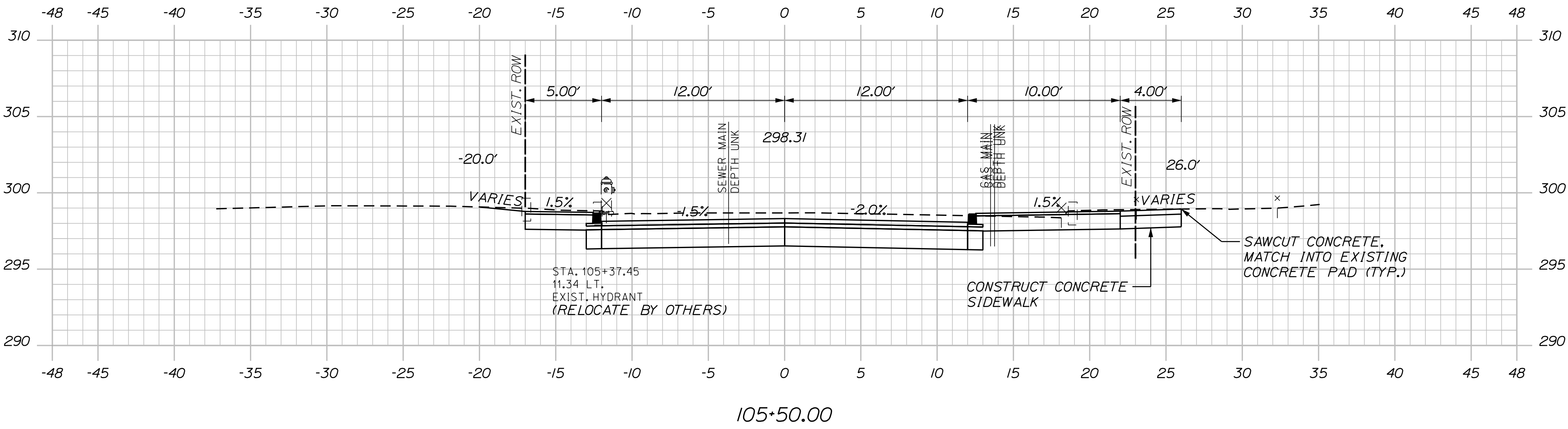
41 OF 106	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE CROSS SECTIONS	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073 WIN 025335.00
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25				
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25				
			DESIGN2-DETAILED2							
			DESIGN3-DETAILED3							
			REVISIONS 1							
			REVISIONS 2							
			REVISIONS 3							
			REVISIONS 4							
			FIELD CHANGES							

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 103+75.00 to Sta. 104+50.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 104+78.00 to Sta. 105+50.00

43

OF 106

SHEET NUMBER

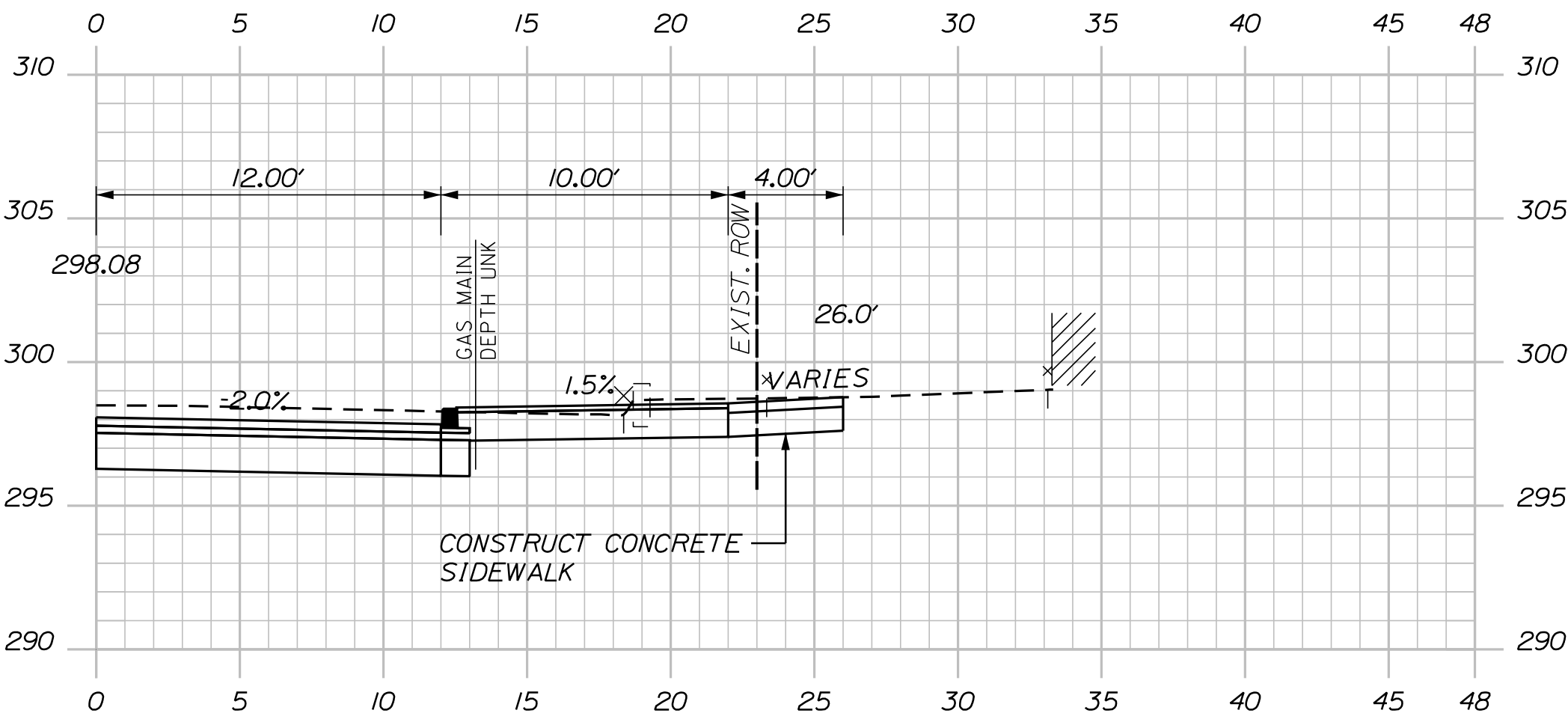
CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25	
CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	09\25	
DESIGN2-DETAILED2	-	-	-	
DESIGN3-DETAILED3	-	-	-	
REVISIONS 1	-	-	-	P.E. NUMBER
REVISIONS 2	-	-	-	DATE
REVISIONS 3	-	-	-	
REVISIONS 4	-	-	-	
FIELD CHANGES	-	-	-	

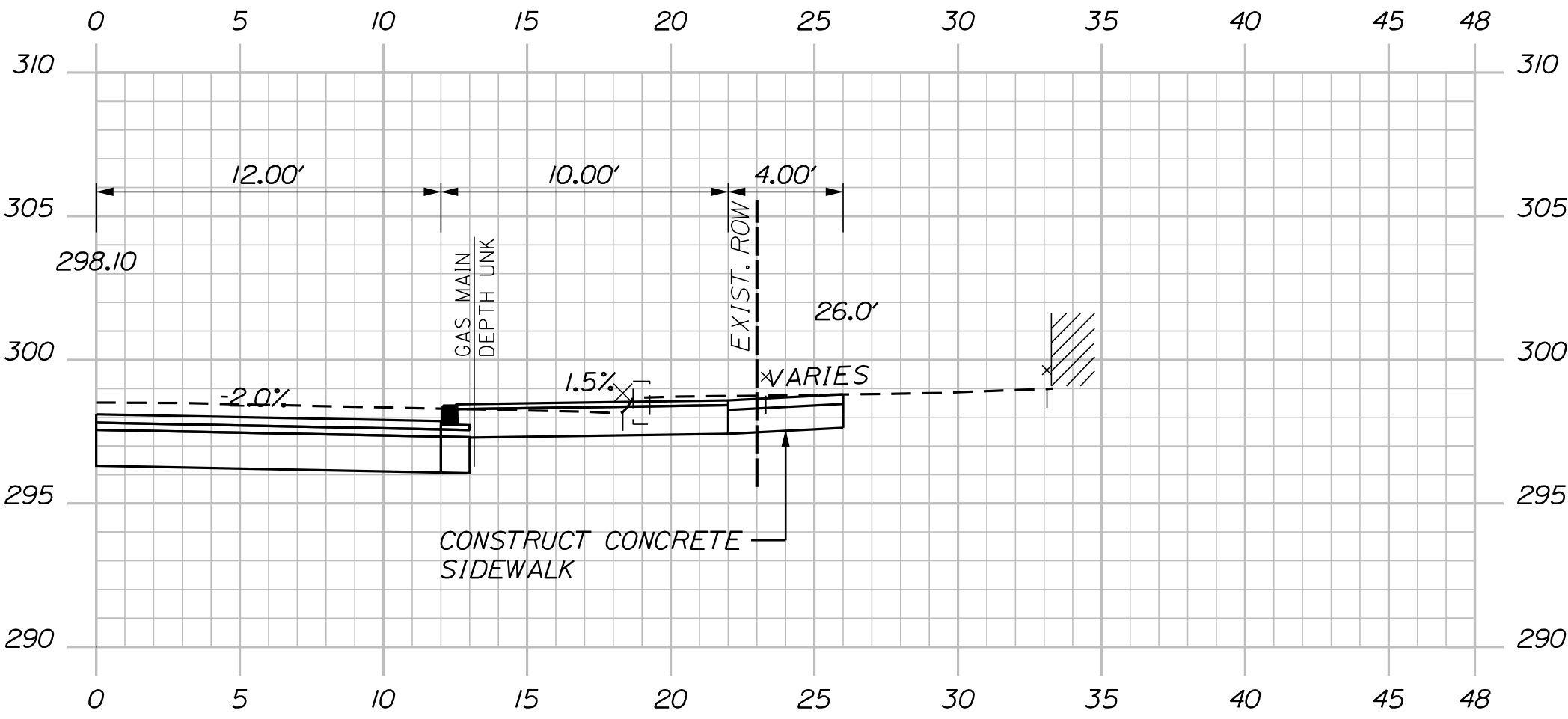
CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

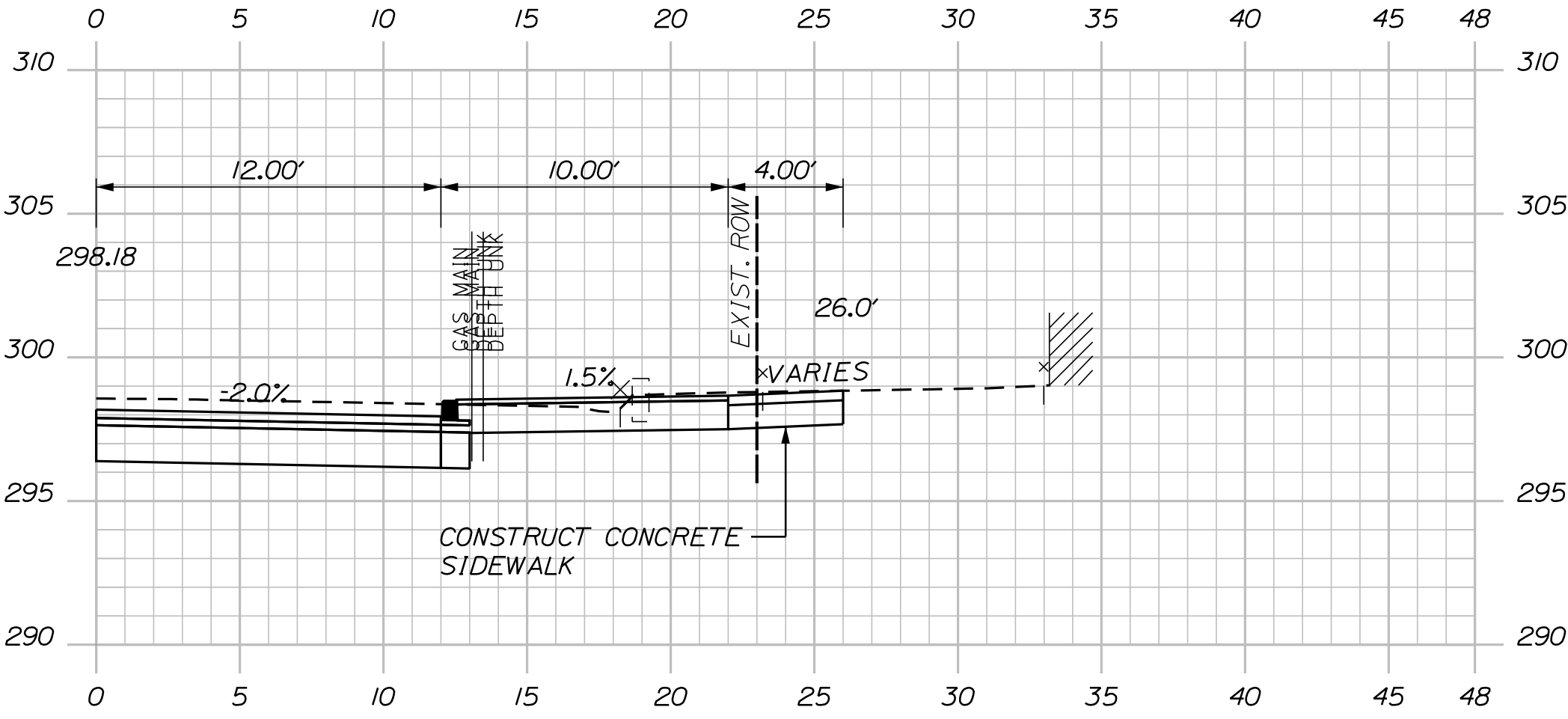
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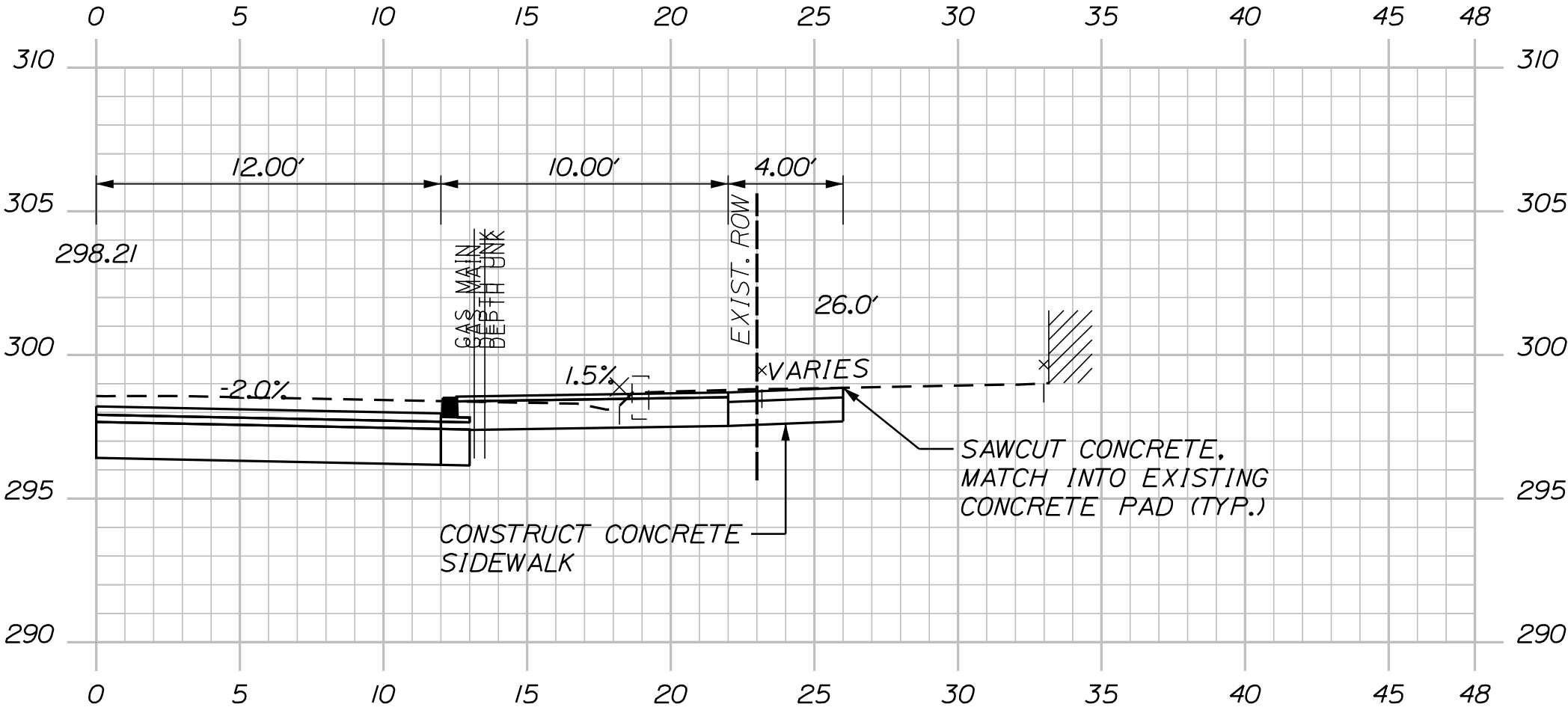
105+97.00
(DOOR)



105+92.00
(DOOR)



105+76.00
(DOOR)

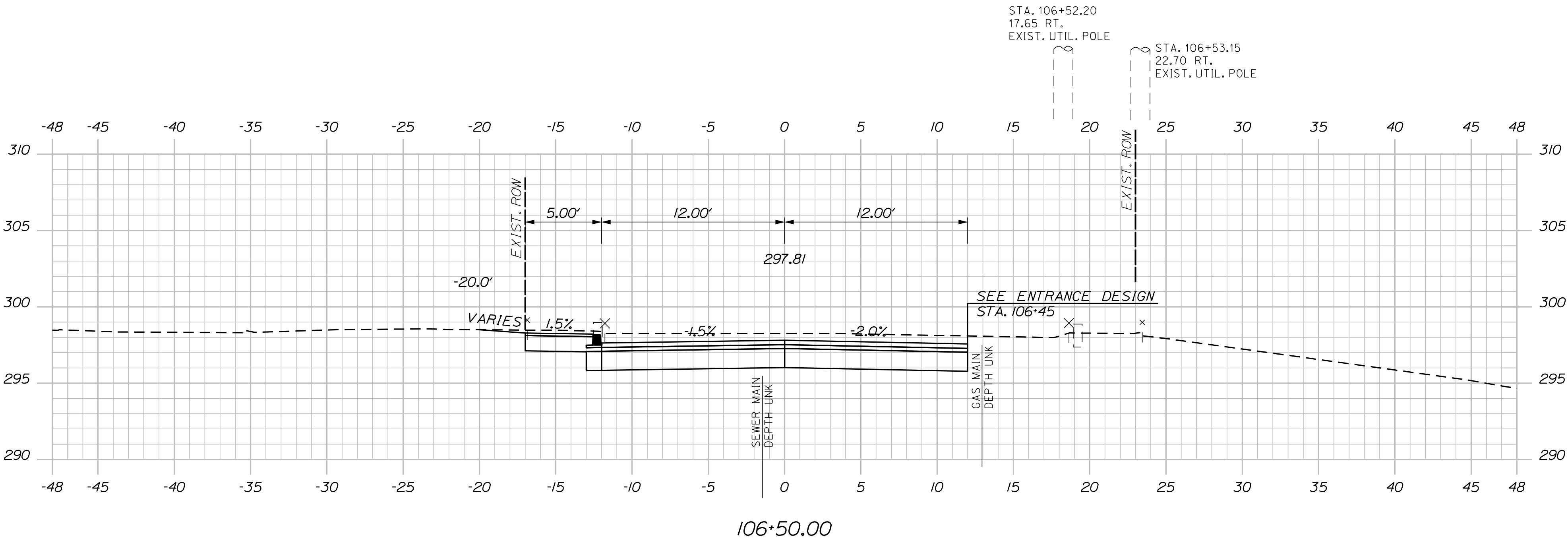


105+71.00

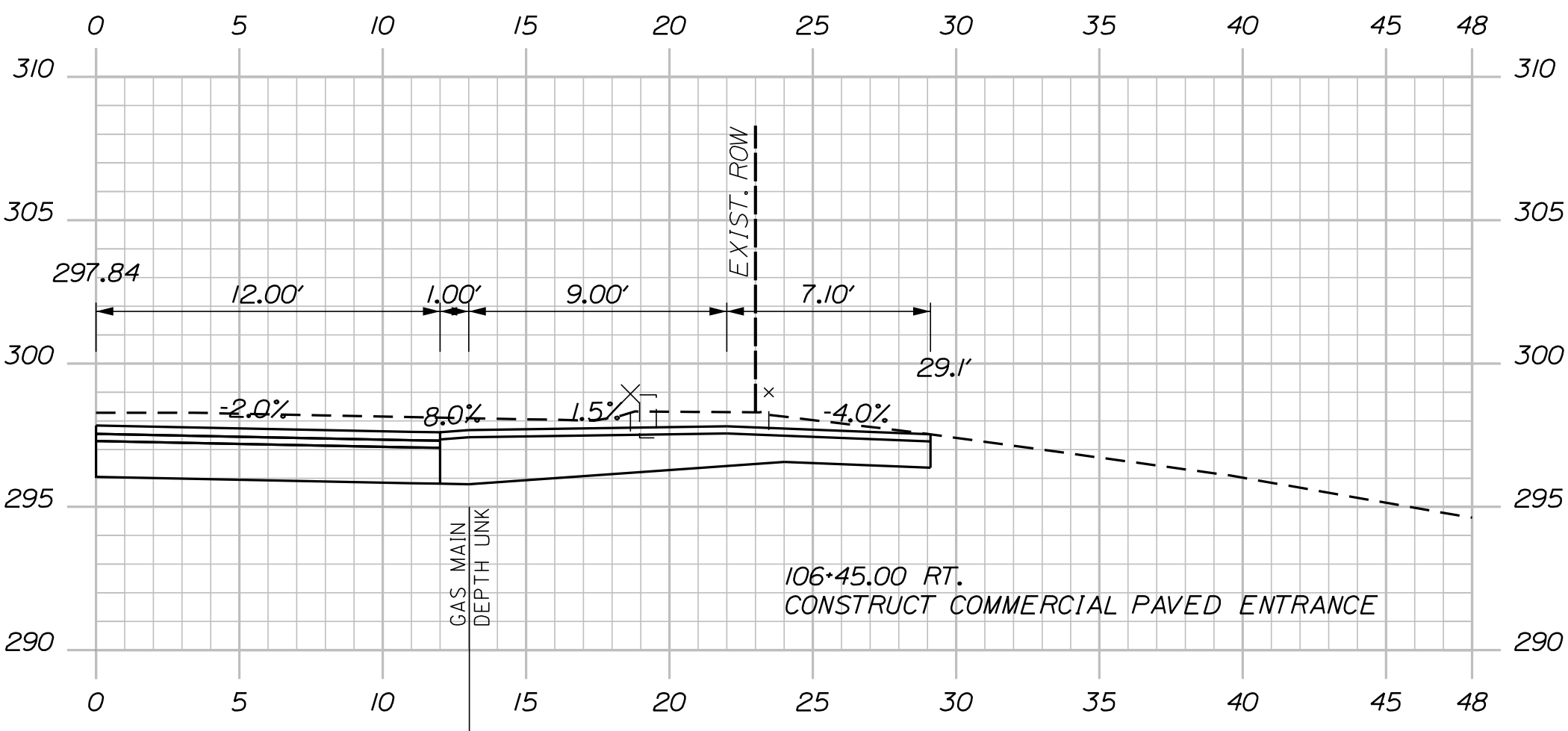
Sta. 105+71.00 to Sta. 105+97.00

OF 106	44	SHEET NUMBER	SANFORD				PROJ. MANAGER		M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			RIVERSIDE AVENUE AND				DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25	SIGNATURE	
			WILLIAM OSCAR EMERY DRIVE				CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	09\25		
							DESIGN2-DETAILED2	-	-	-		
							DESIGN3-DETAILED3	-	-	-		
			CROSS SECTIONS				REVISIONS 1		-	-	-	P.E. NUMBER
							REVISIONS 2		-	-	-	DATE
							REVISIONS 3		-	-	-	
							REVISIONS 4		-	-	-	
							FIELD CHANGES		-	-	-	
WIN 025335.00												

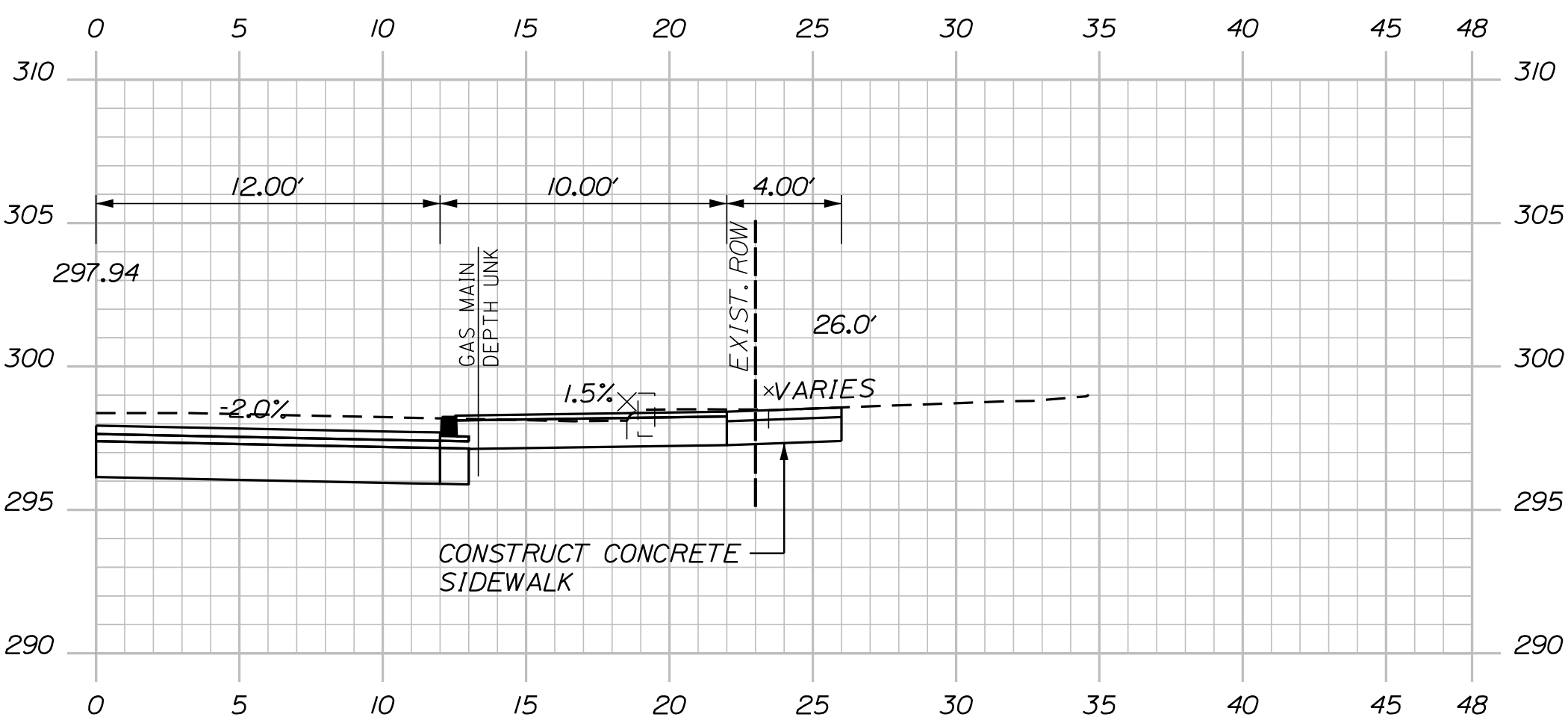
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



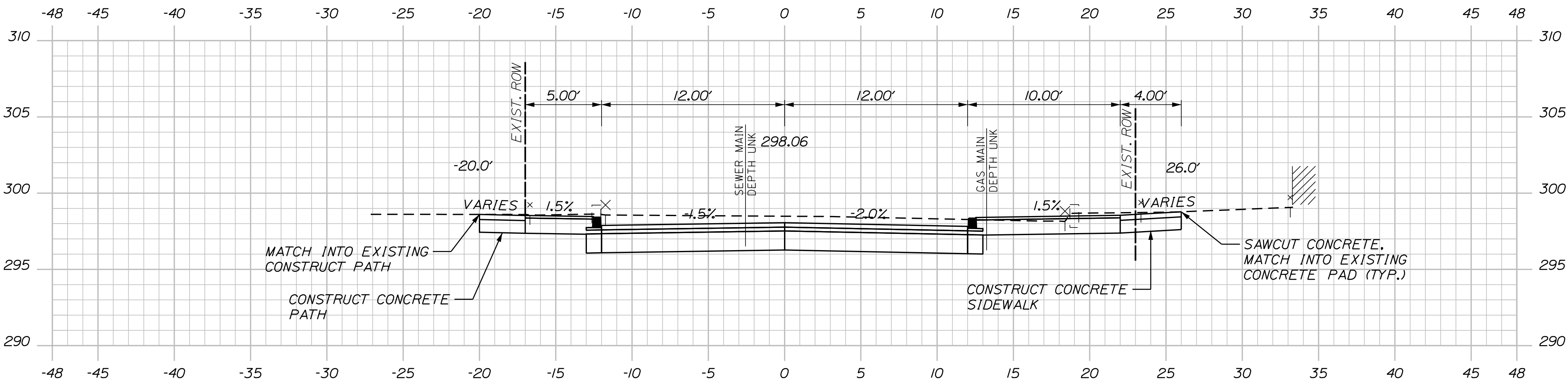
106+50.00



106+45.00
(COMMERCIAL PAVED ENTRANCE)



106+25.00

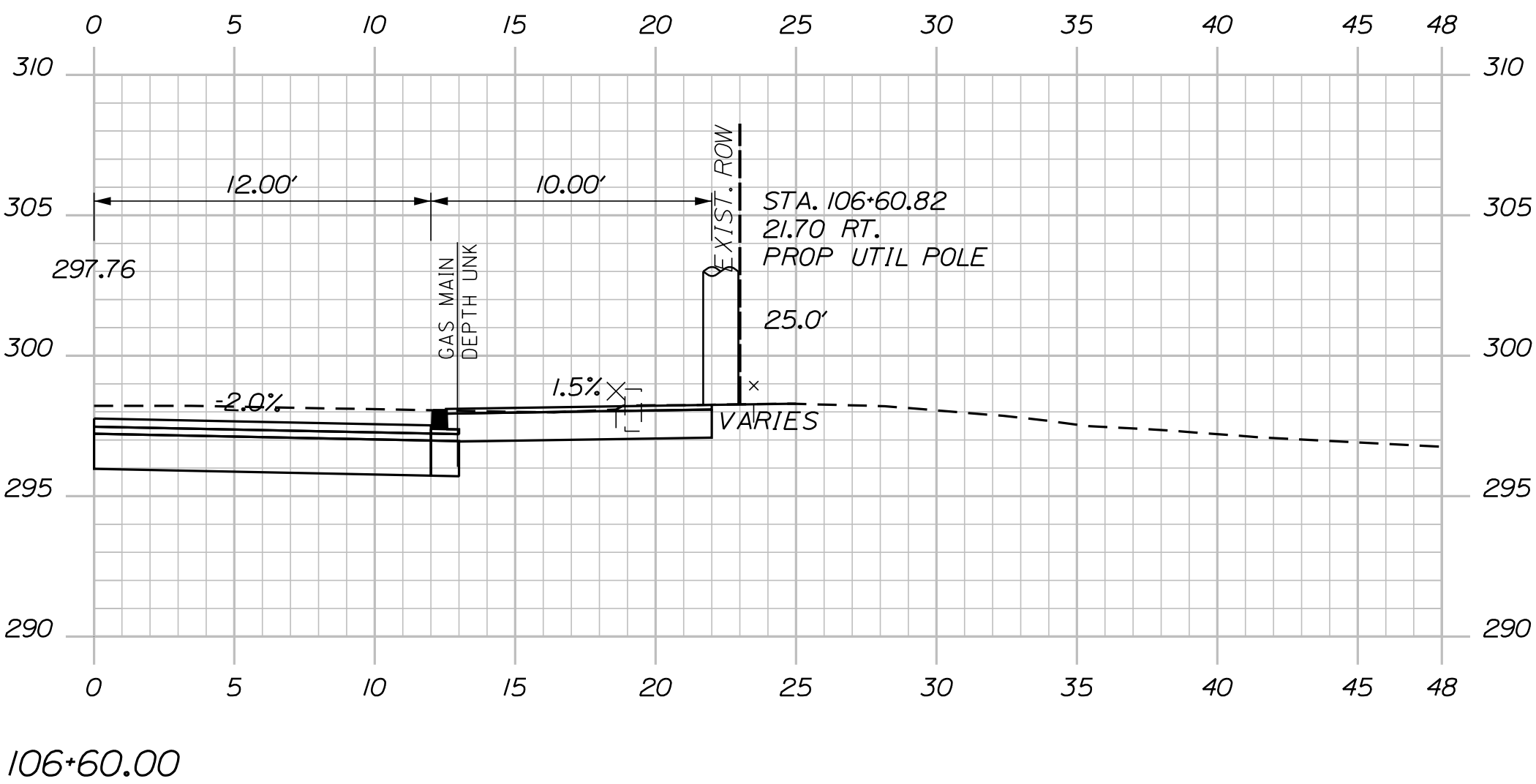
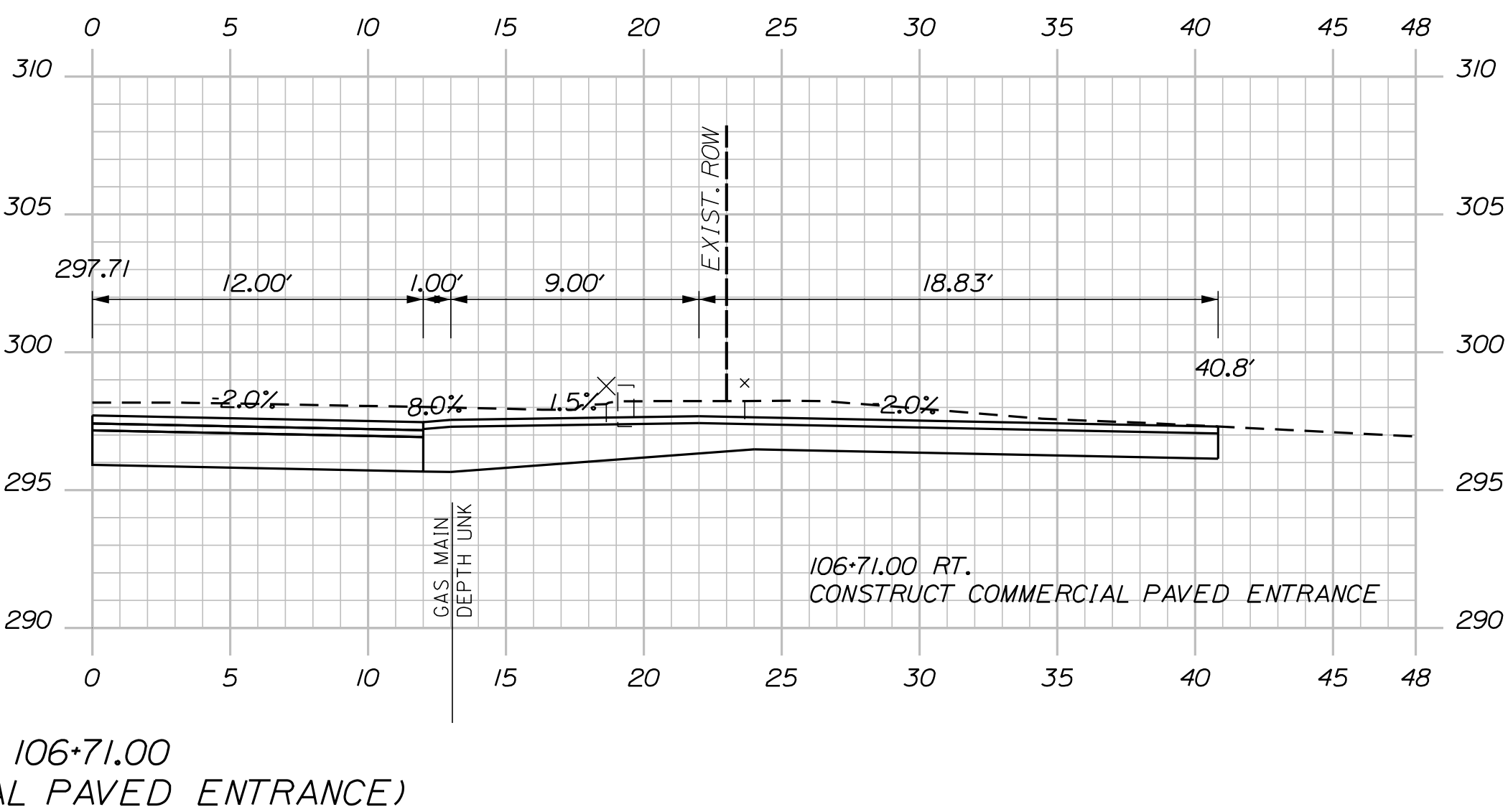
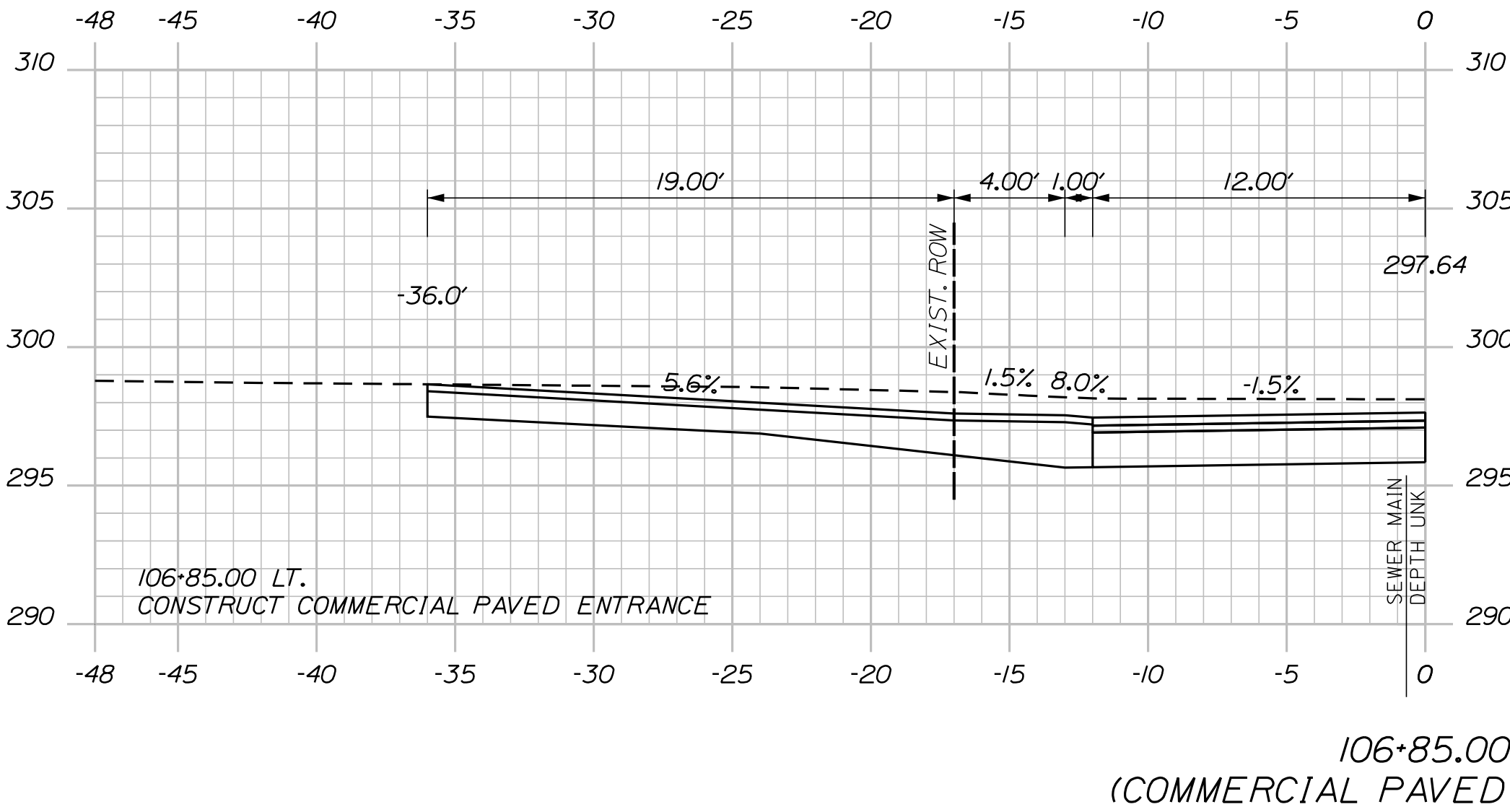
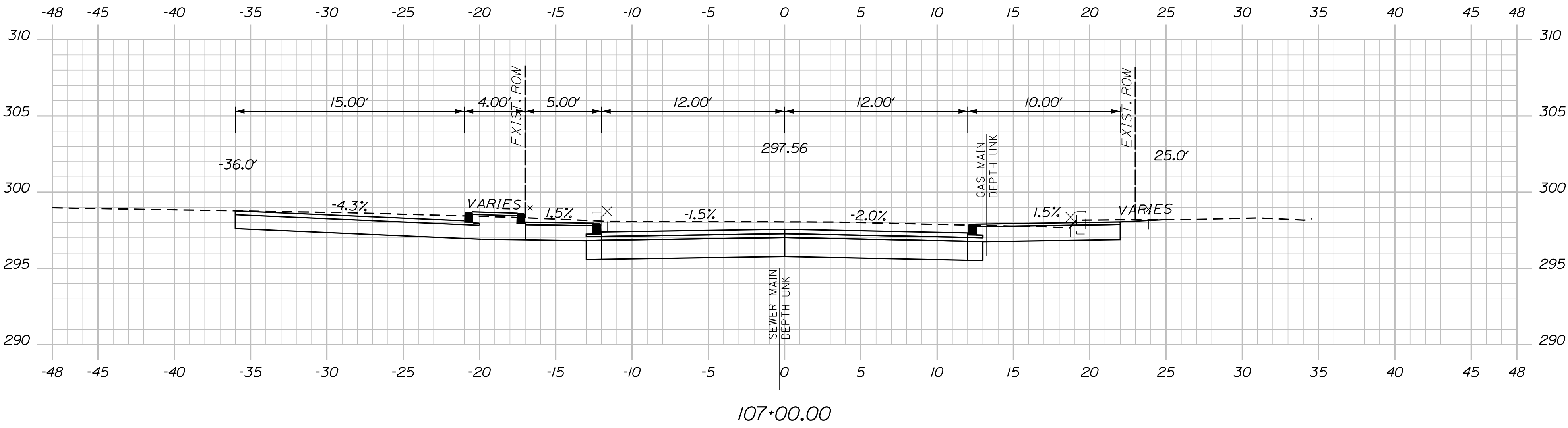


106+00.00

Sta. 106+00.00 to Sta. 106+50.00

OF 106	SHEET NUMBER	45	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
				CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25		
				DESIGN2-DETAILED2					
OF 106	SHEET NUMBER	45	CROSS SECTIONS	DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-	DATE	
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
OF 106	SHEET NUMBER	45	CROSS SECTIONS	REVISIONS 4	-	-	-		WIN 025335.00
				FIELD CHANGES	-	-	-		

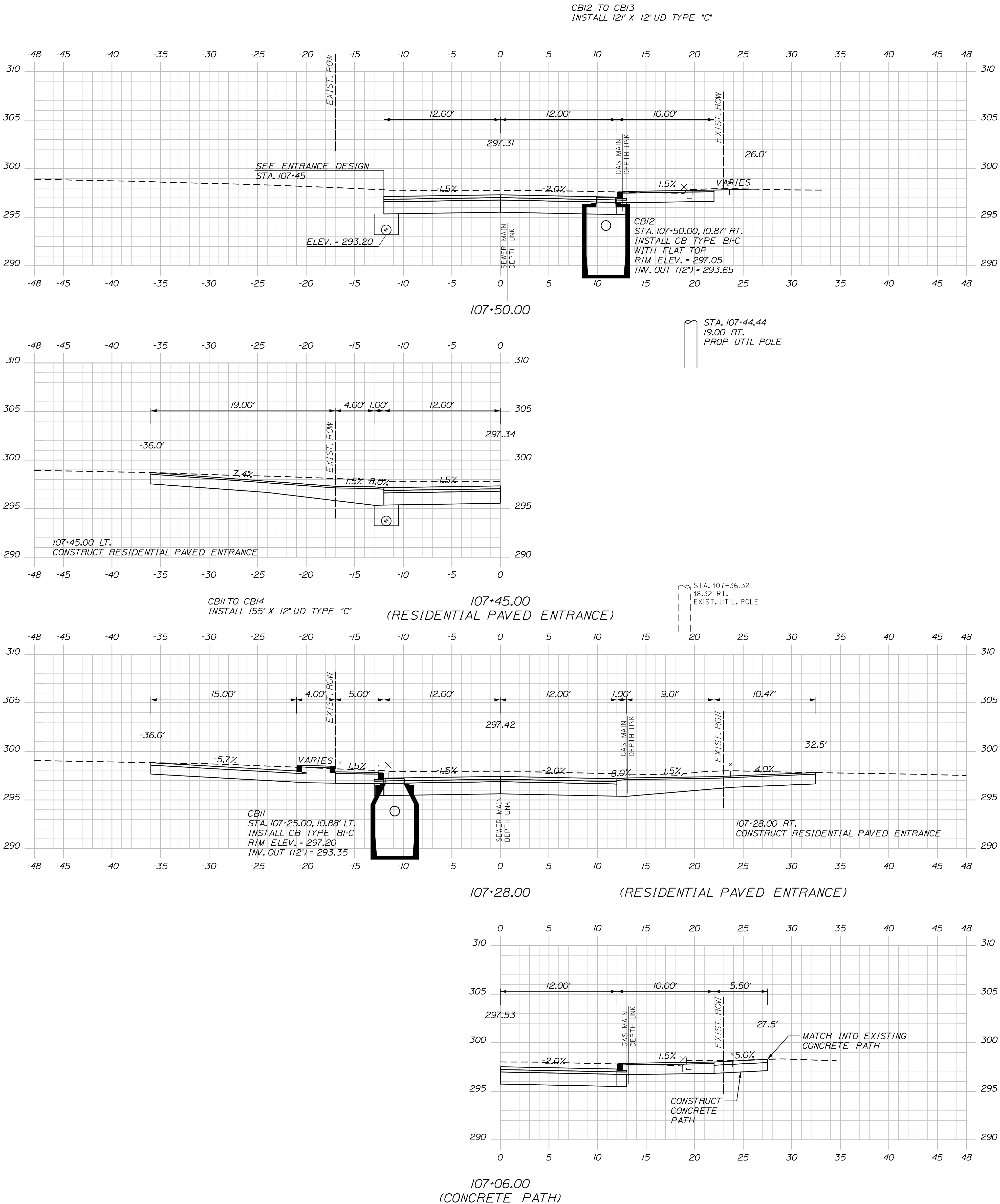
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 106+60.00 to Sta. 107+00.00

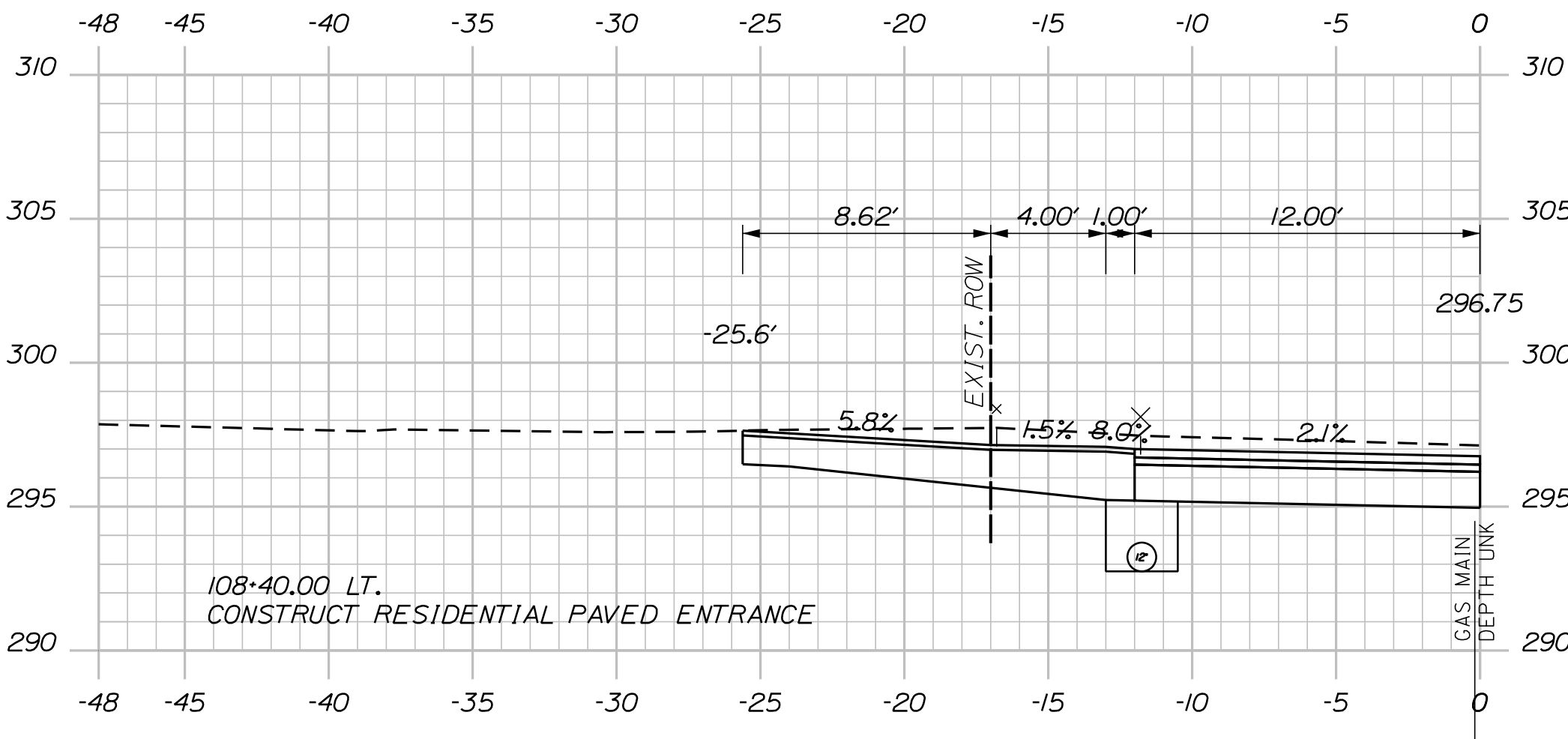
OF 106	SHEET NUMBER	46	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
				CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25		
				DESIGN2-DETAILED2	-	-	-		
			CROSS SECTIONS	DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-	DATE	
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
				REVISIONS 4	-	-	-		
				FIELD CHANGES	-	-	-		

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

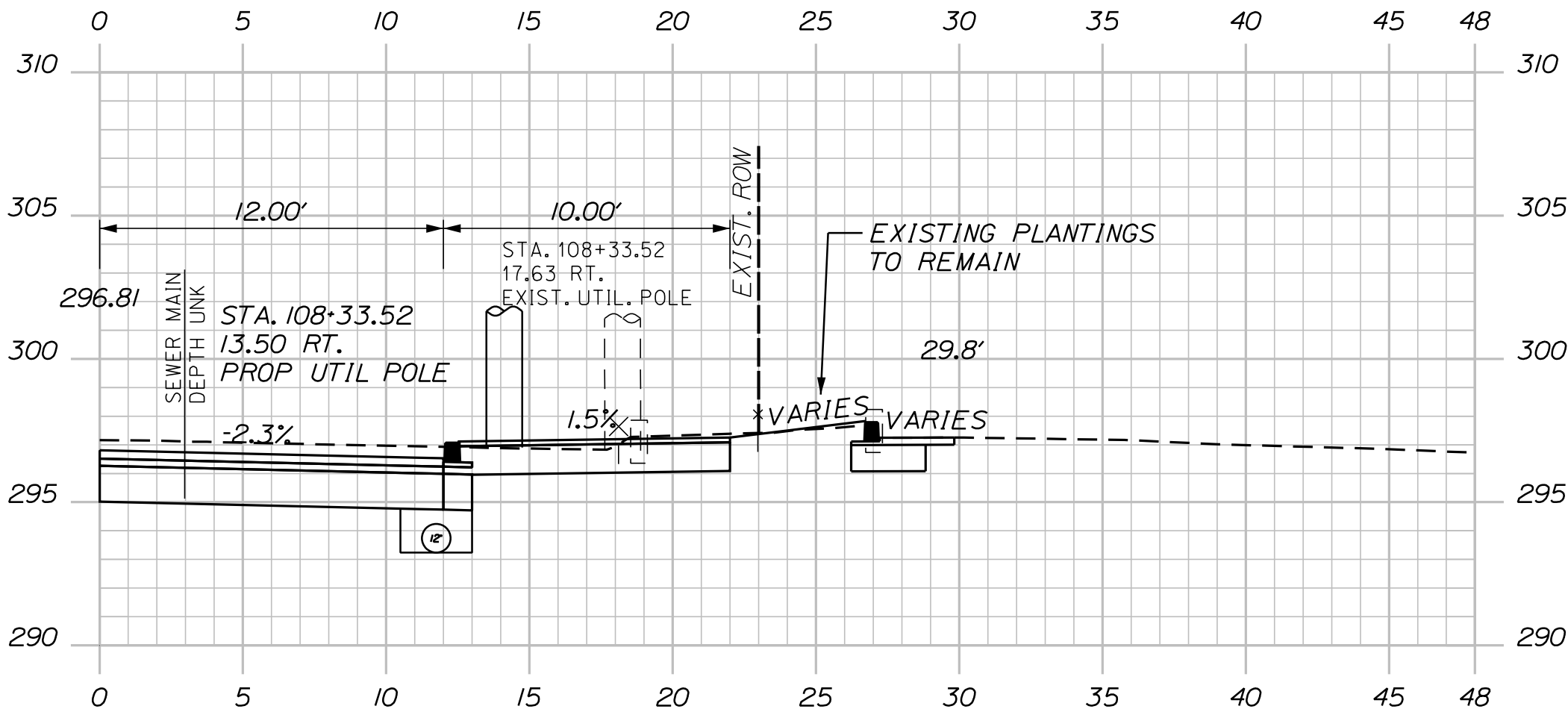


Sta. 107+06.00 to Sta. 107+50.00

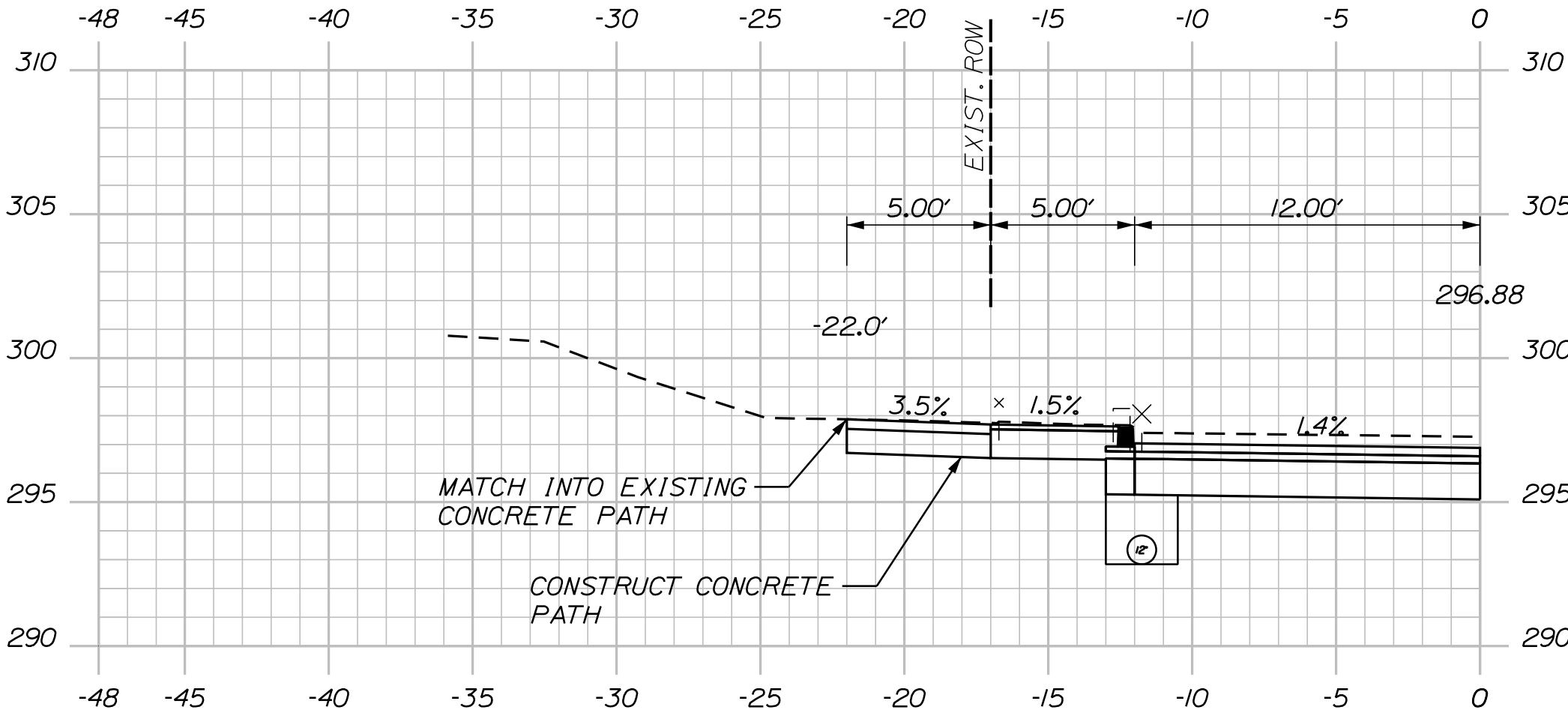
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



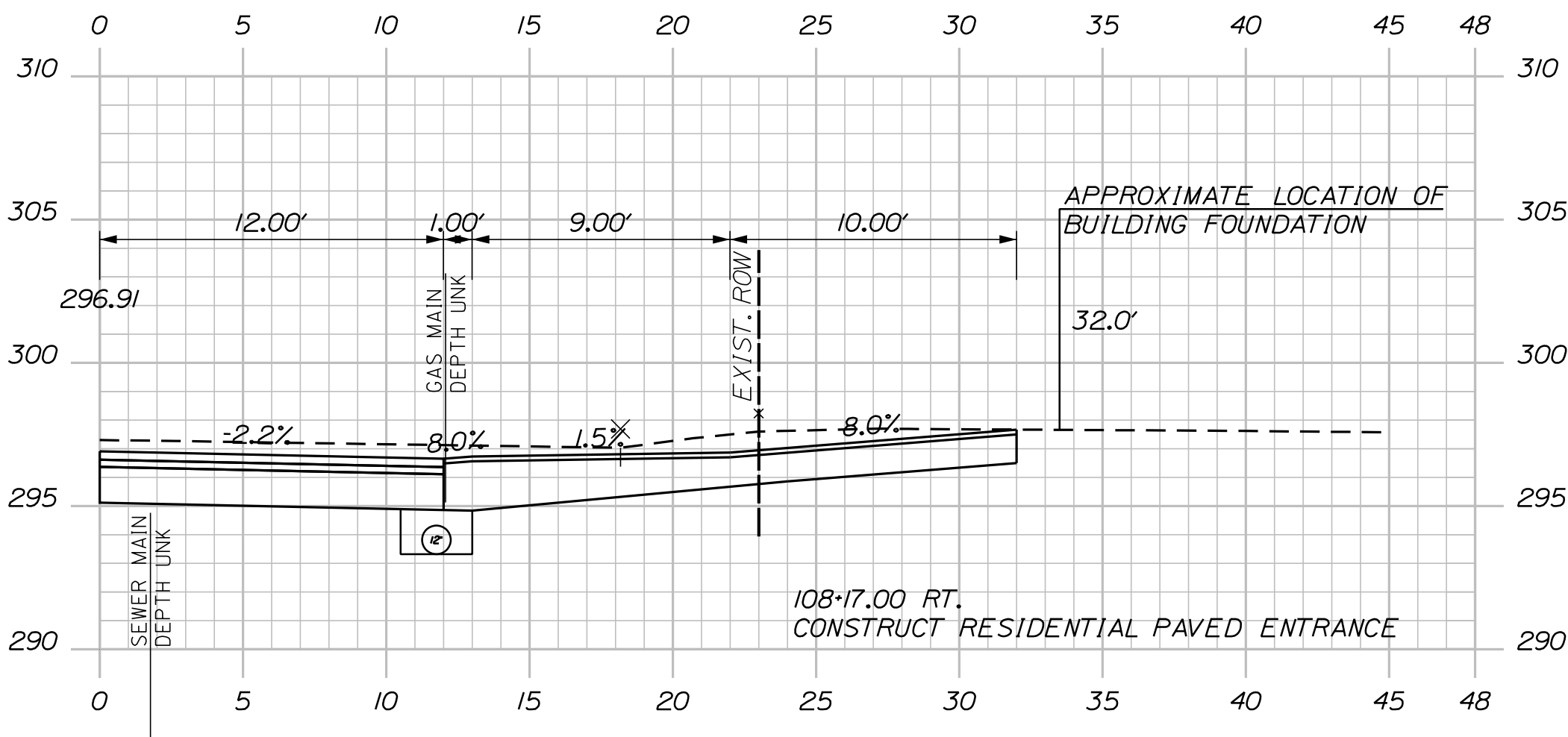
108+40.00
(RESIDENTIAL PAVED ENTRANCE)



108+32.00



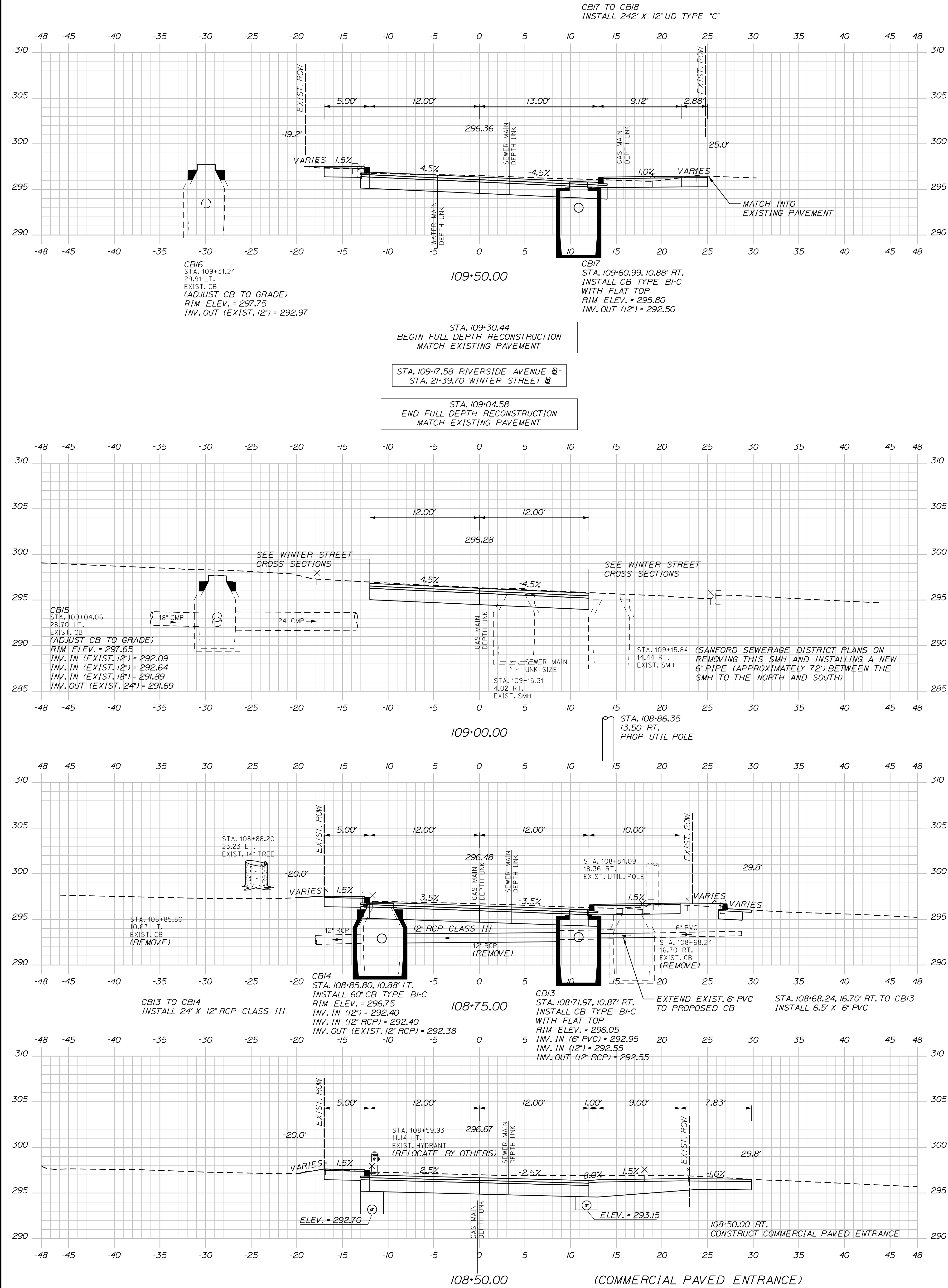
108+22.00
(CONCRETE PATH)



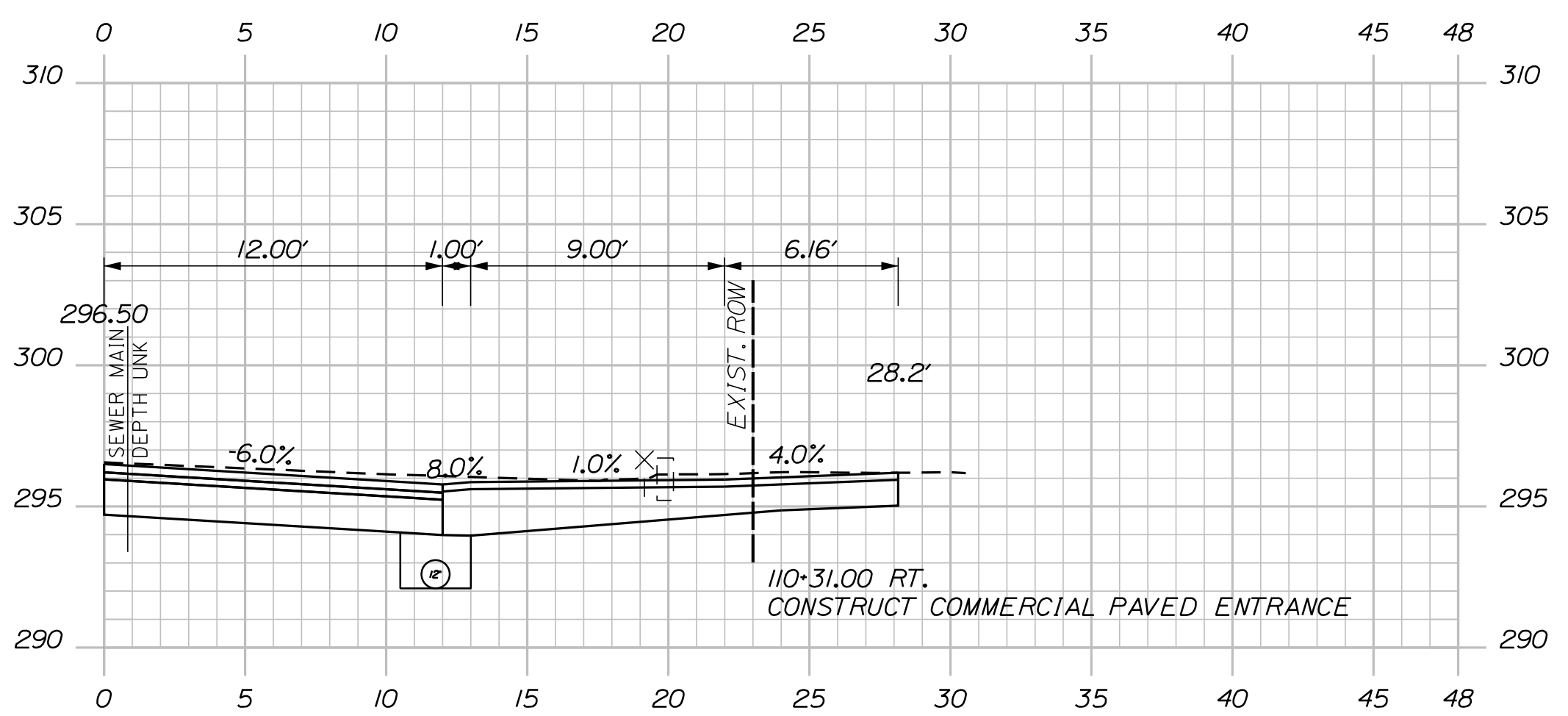
108+17.00
(RESIDENTIAL PAVED ENTRANCE)

Sta. 108+17.00 to Sta. 108+40.00

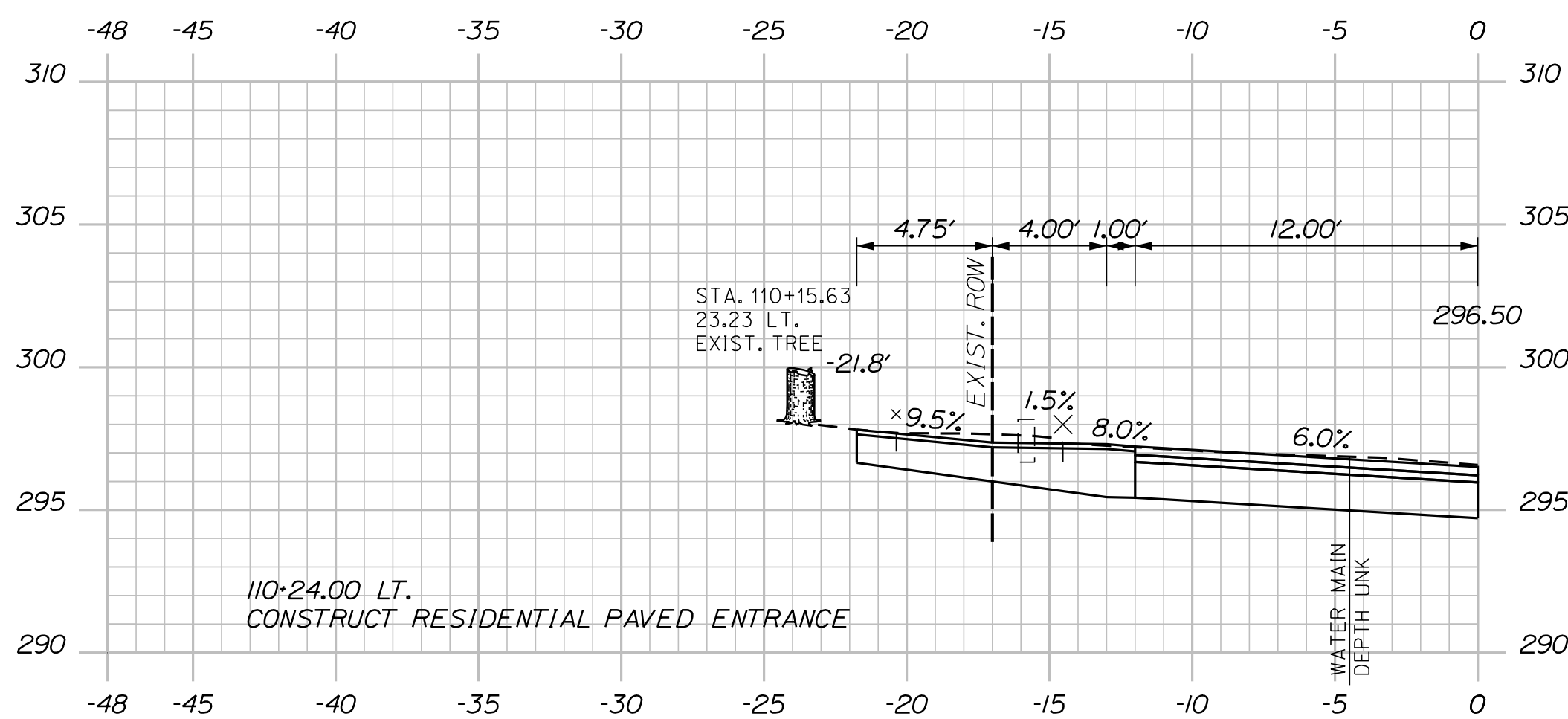
U:\\City of Sanford Maine\\3421.11-William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



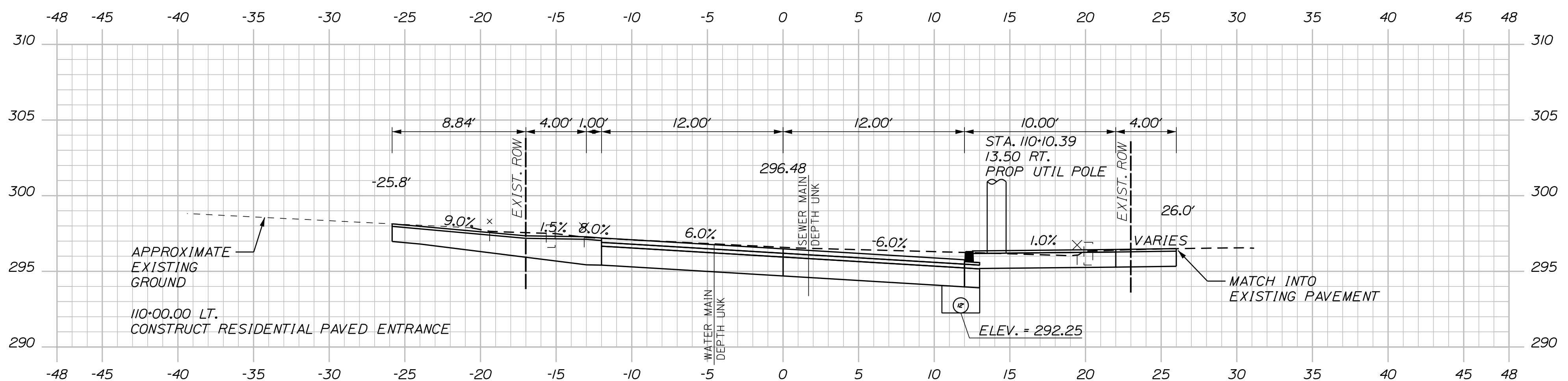
U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



110+31.00
(COMMERCIAL PAVED ENTRANCE)

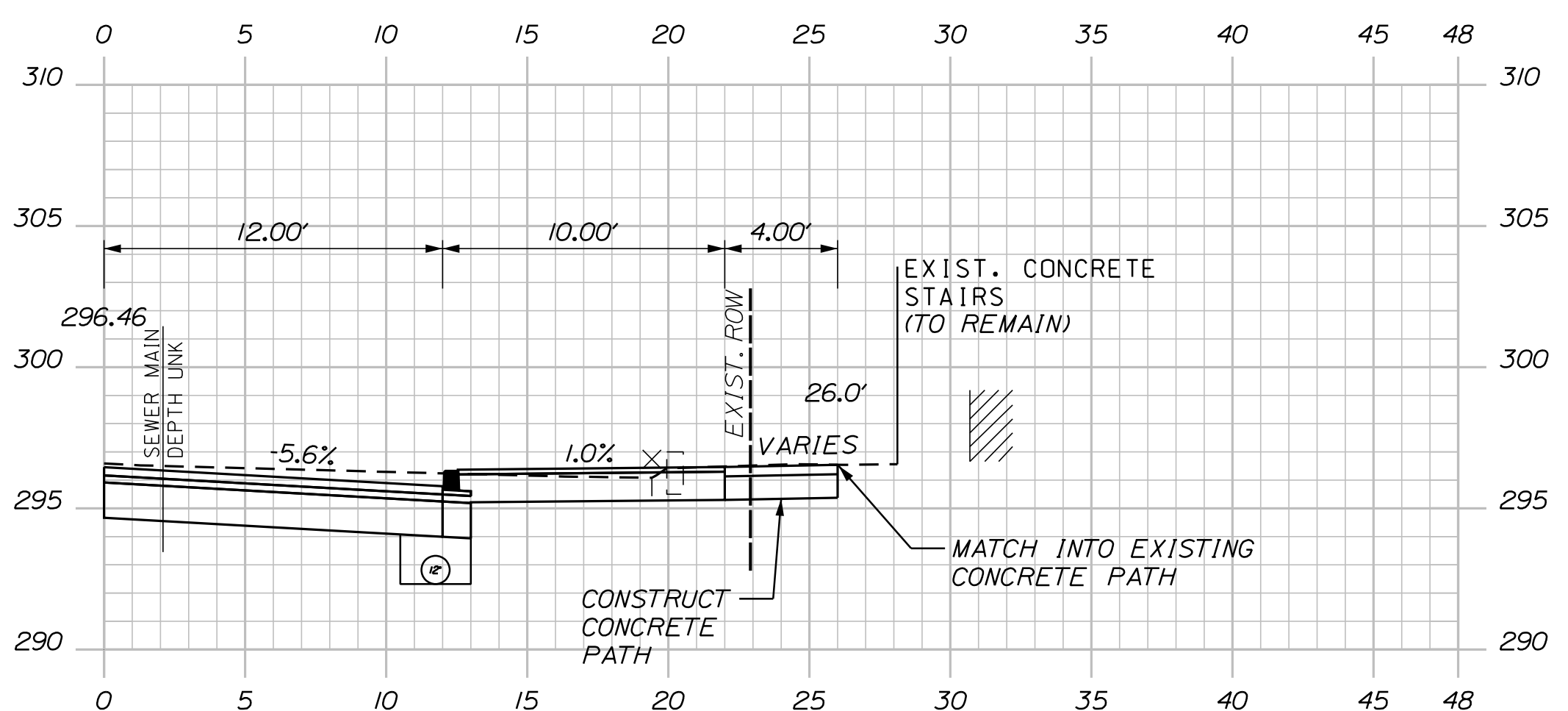


110+24.00
(RESIDENTIAL PAVED ENTRANCE)



(RESIDENTIAL PAVED ENTRANCE)

110+00.00



109+86.00
(CONCRETE STAIRS)

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25
CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	--	--	--
DESIGN3-DETAILED3	--	--	--
REVISIONS 1	--	--	--
REVISIONS 2	--	--	--
REVISIONS 3	--	--	--
REVISIONS 4	--	--	--
FIELD CHANGES	--	--	--

SIGNATURE

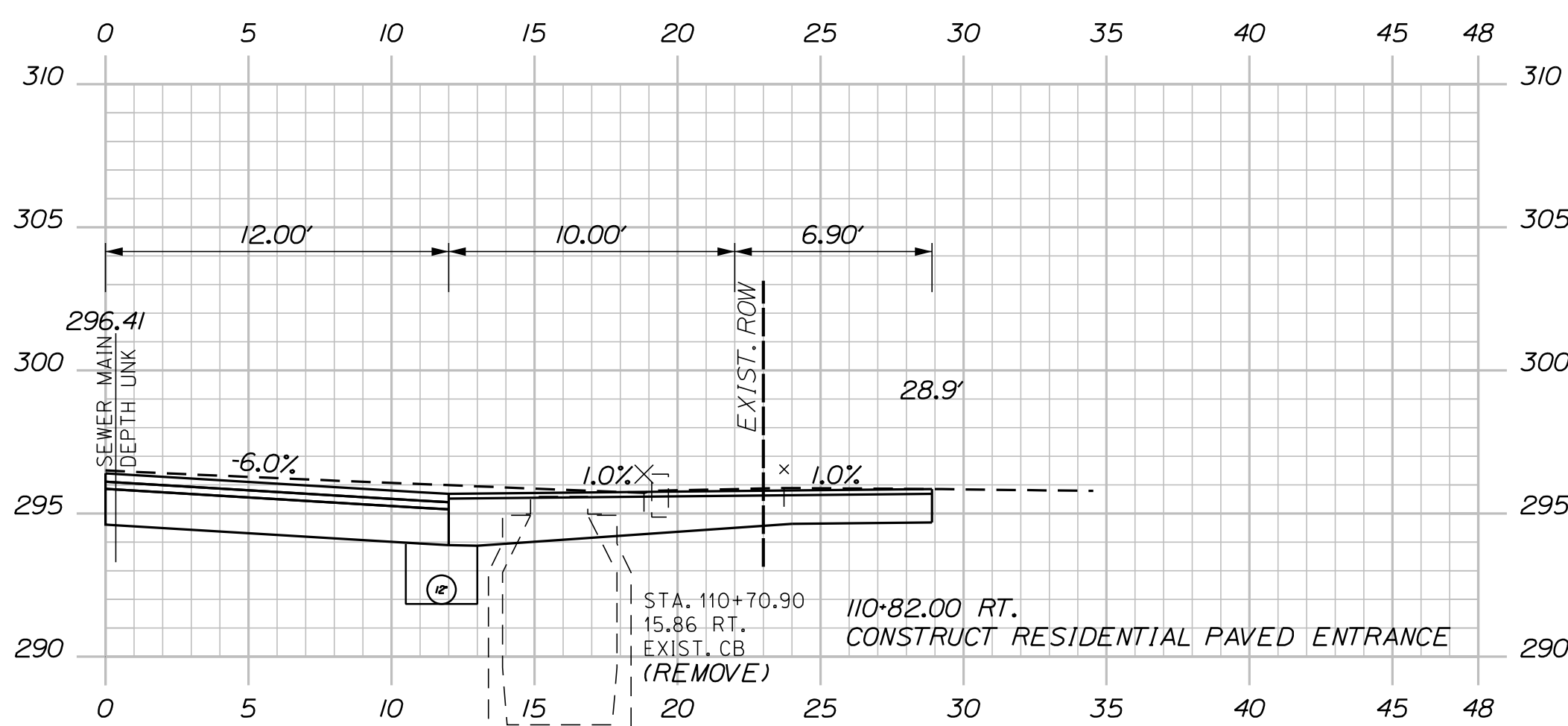
P.E. NUMBER

DATE _____

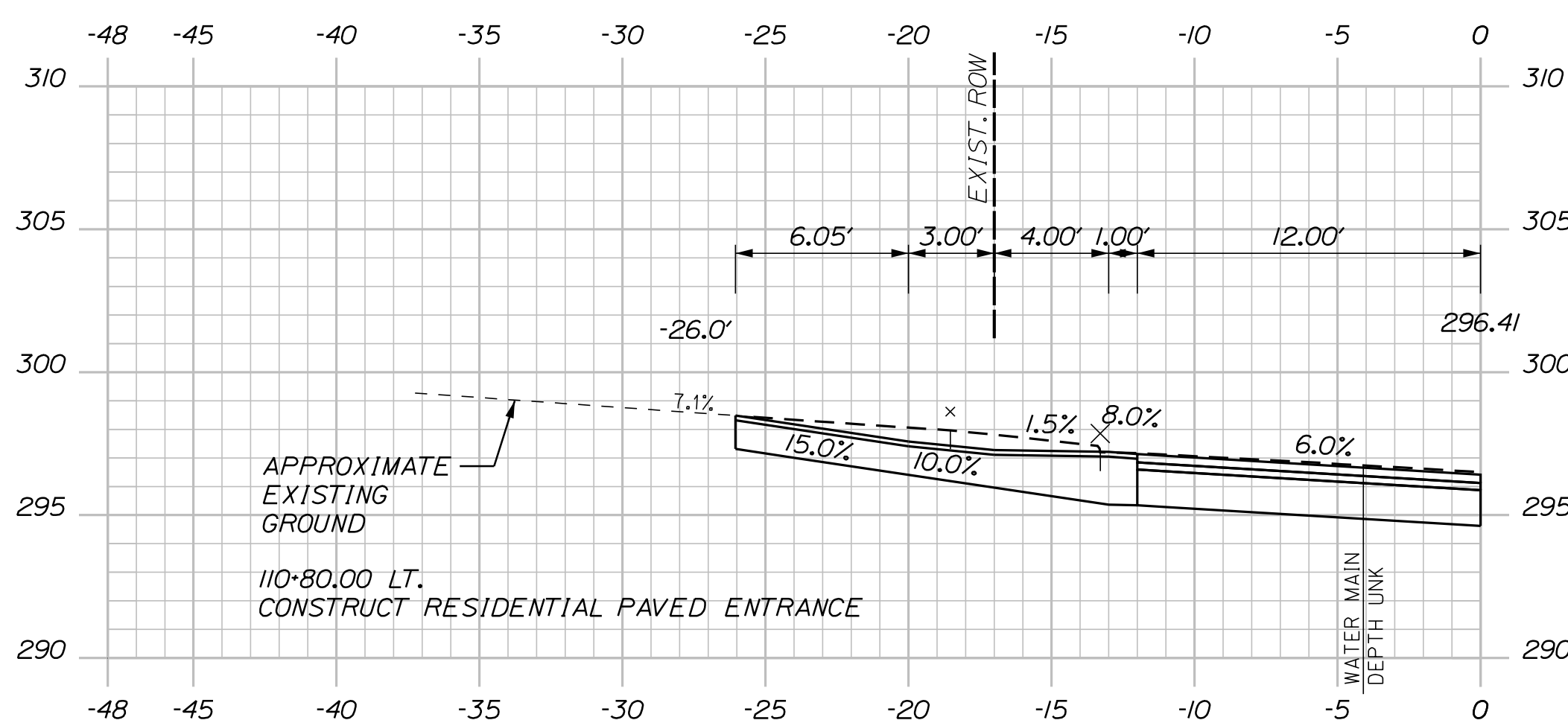
CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

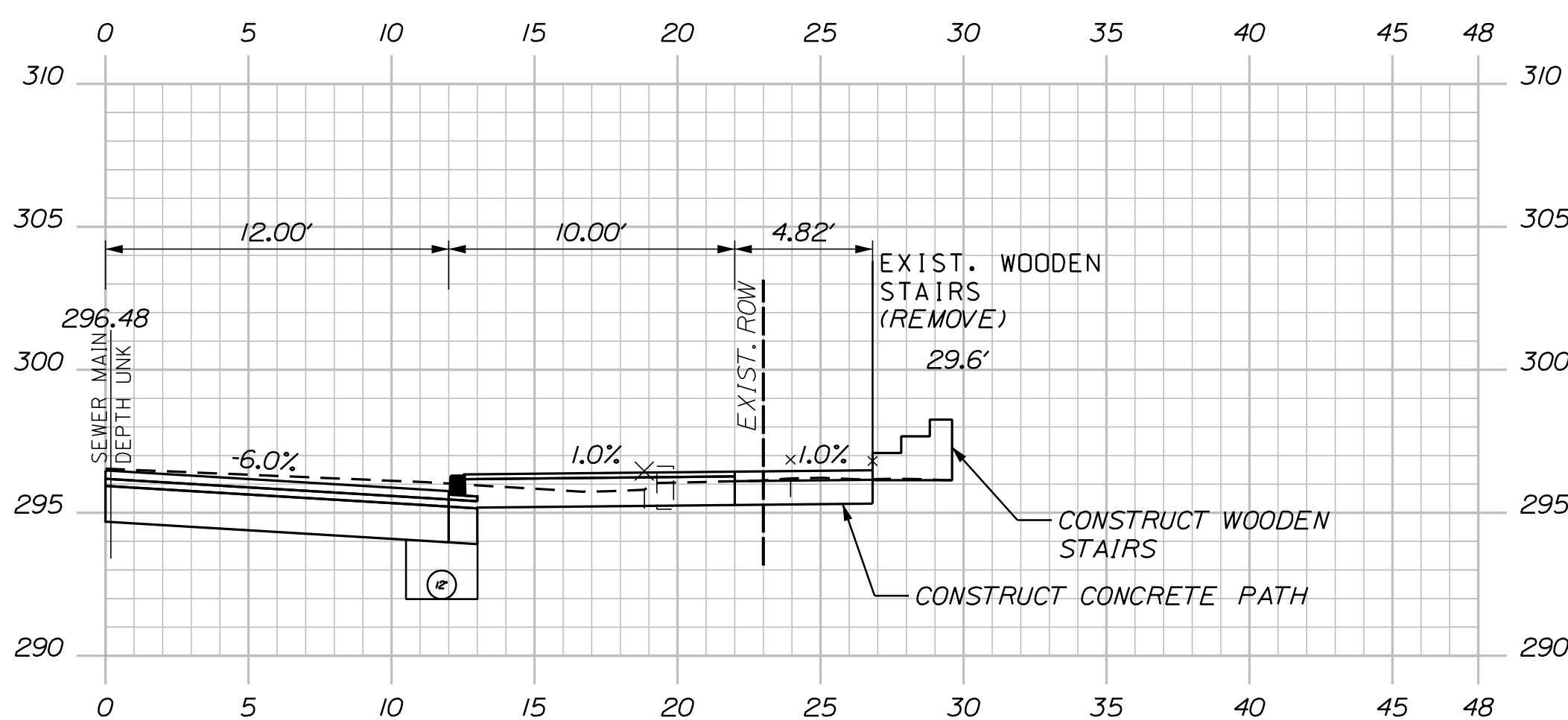
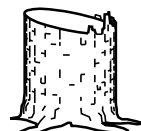
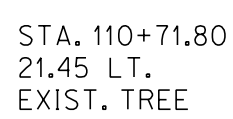
U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



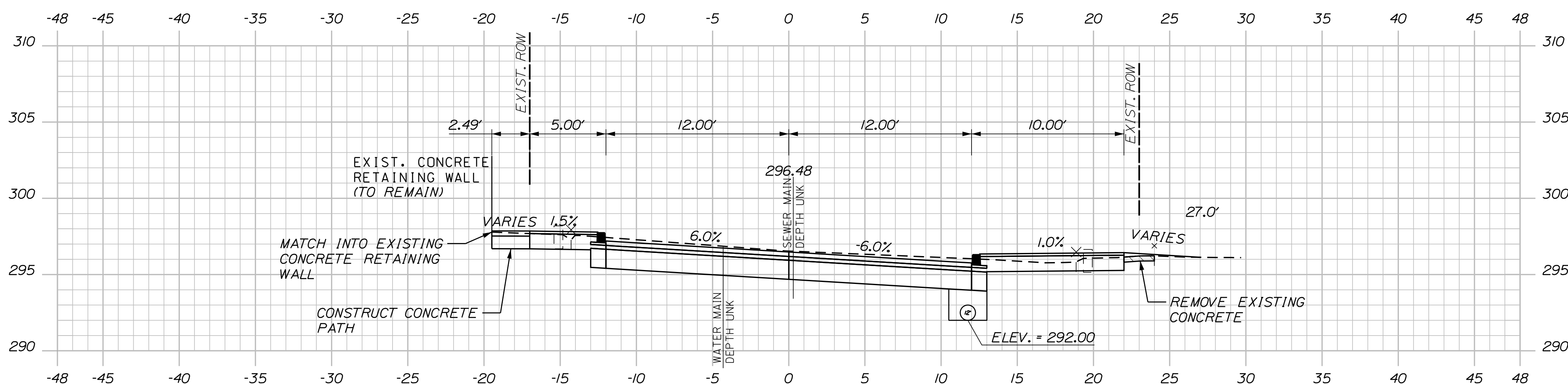
110+82.00
(RESIDENTIAL PAVED ENTRANCE)



110+80.00
(RESIDENTIAL PAVED ENTRANCE)



110+54.00
(WOODEN STAIRS)



110+50.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	—	—	—
DESIGN3-DETAILED3	—	—	—
REVISIONS 1	—	—	—
REVISIONS 2	—	—	—
REVISIONS 3	—	—	—
REVISIONS 4	—	—	—
FIELD CHANGES	—	—	—

SIGNATURE

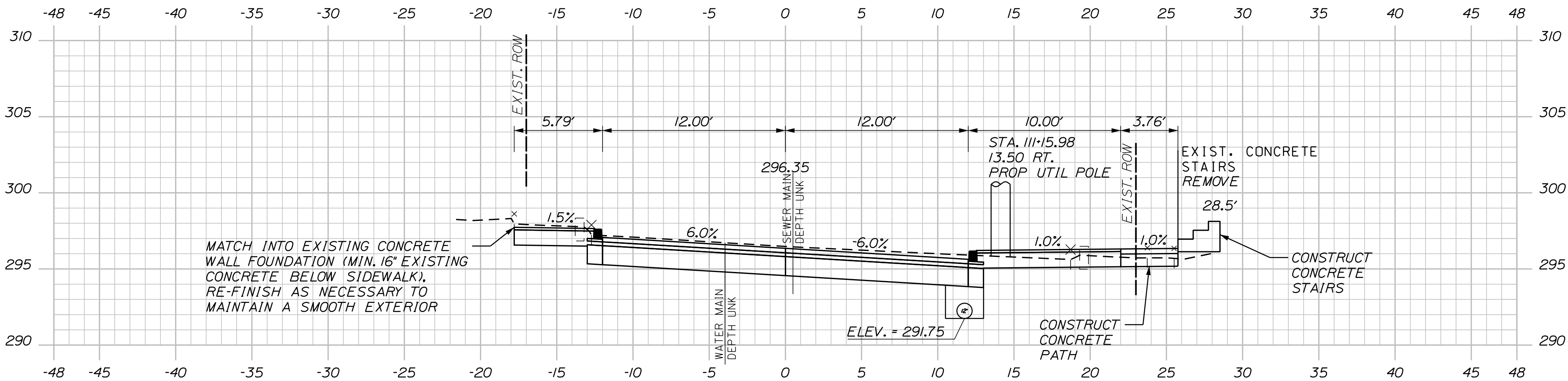
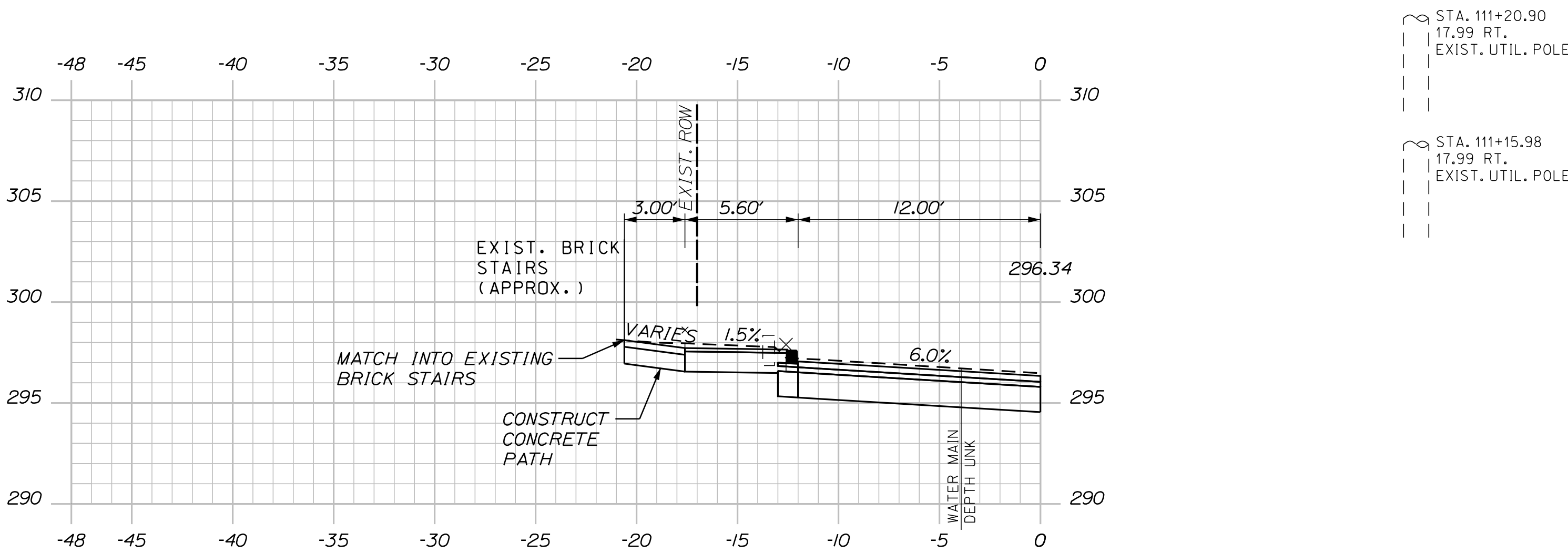
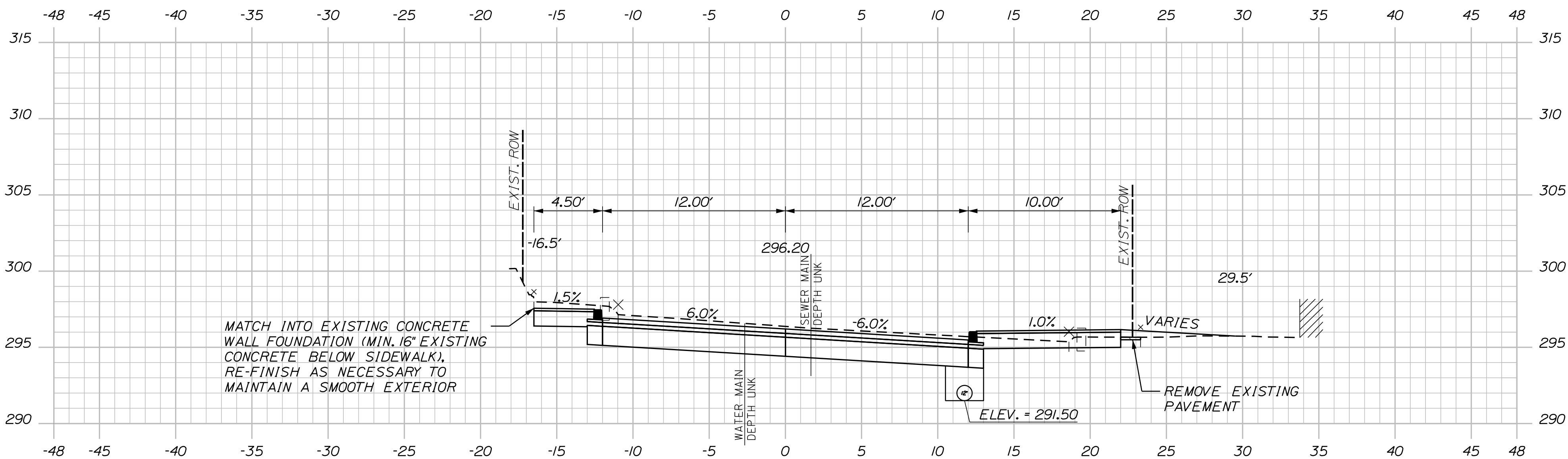
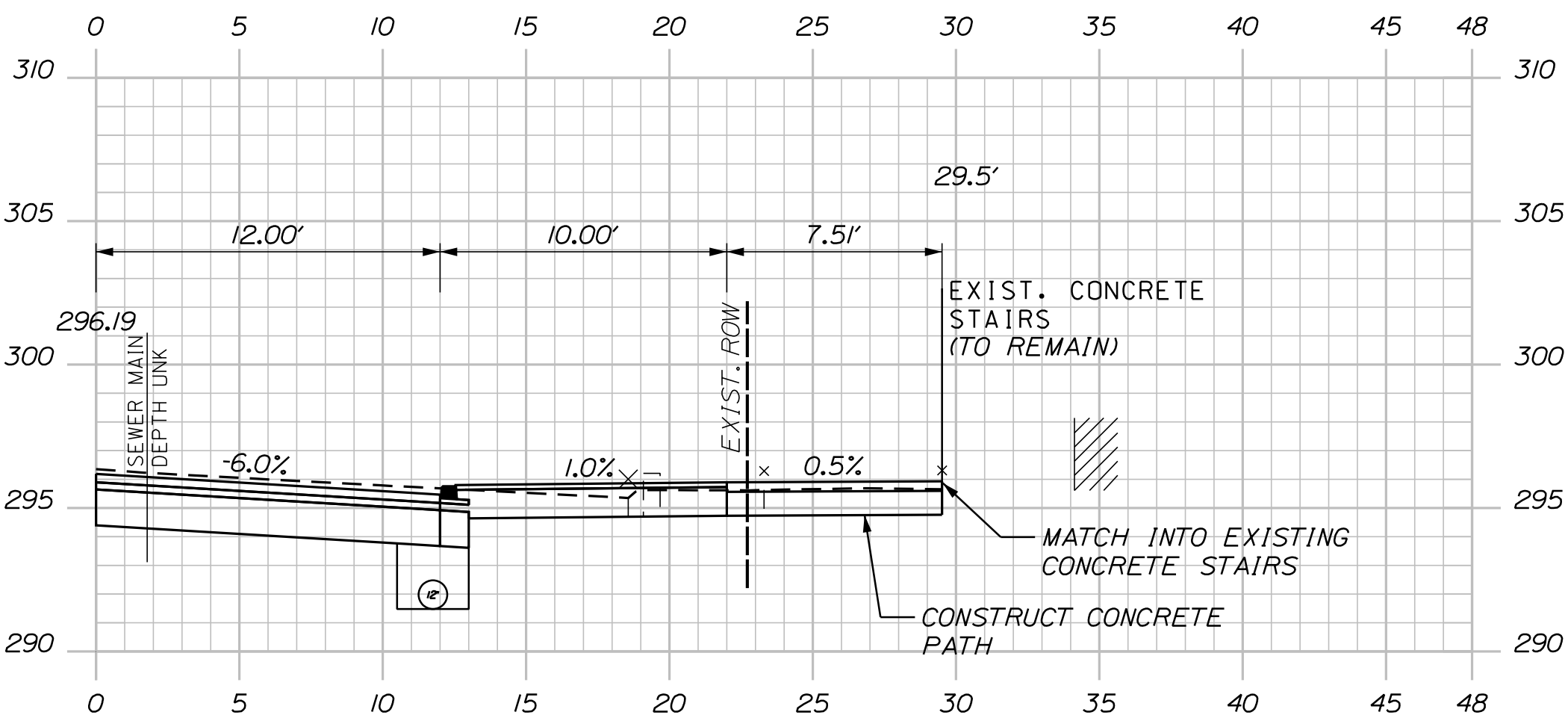
P.E. NUMBER

DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

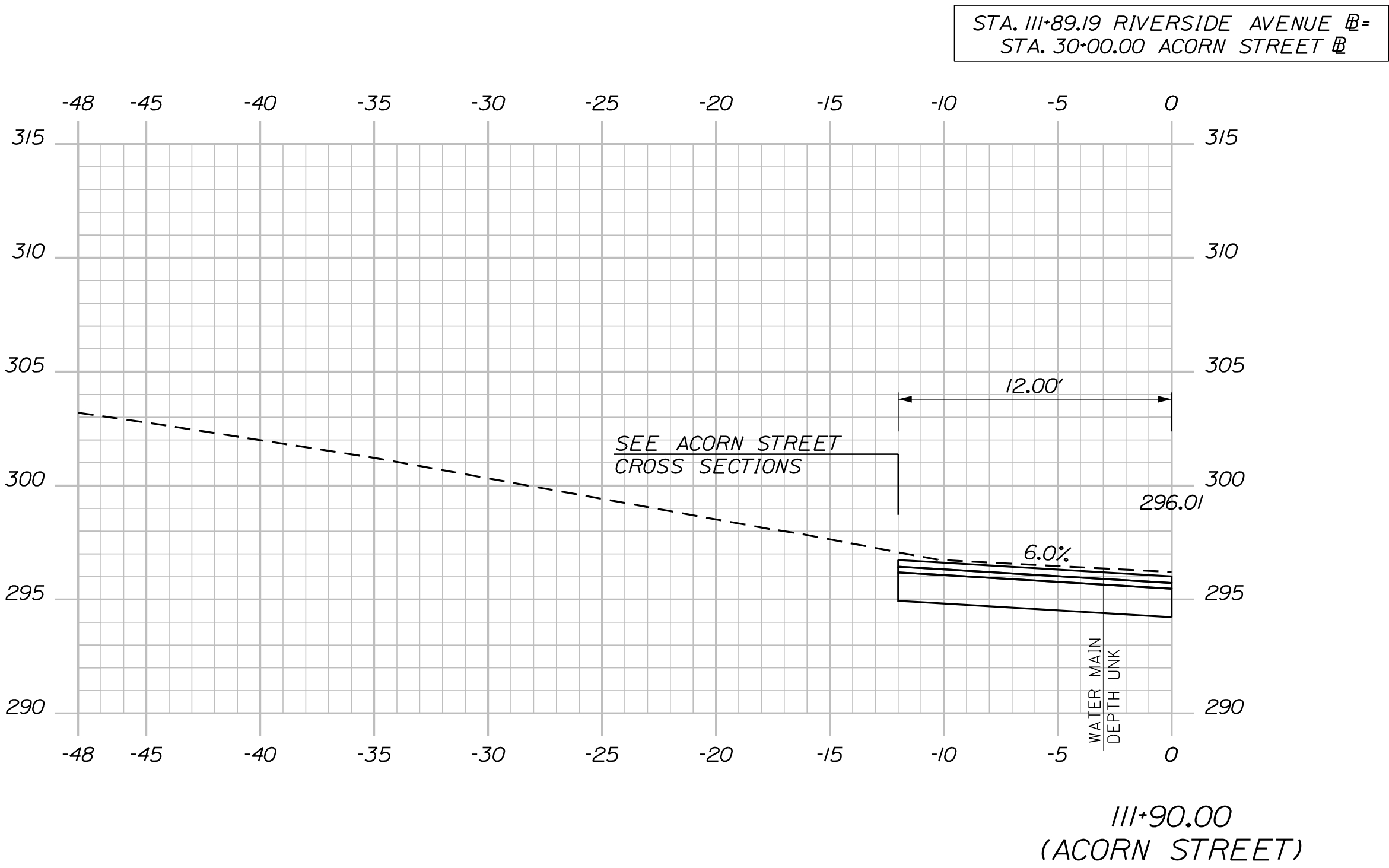
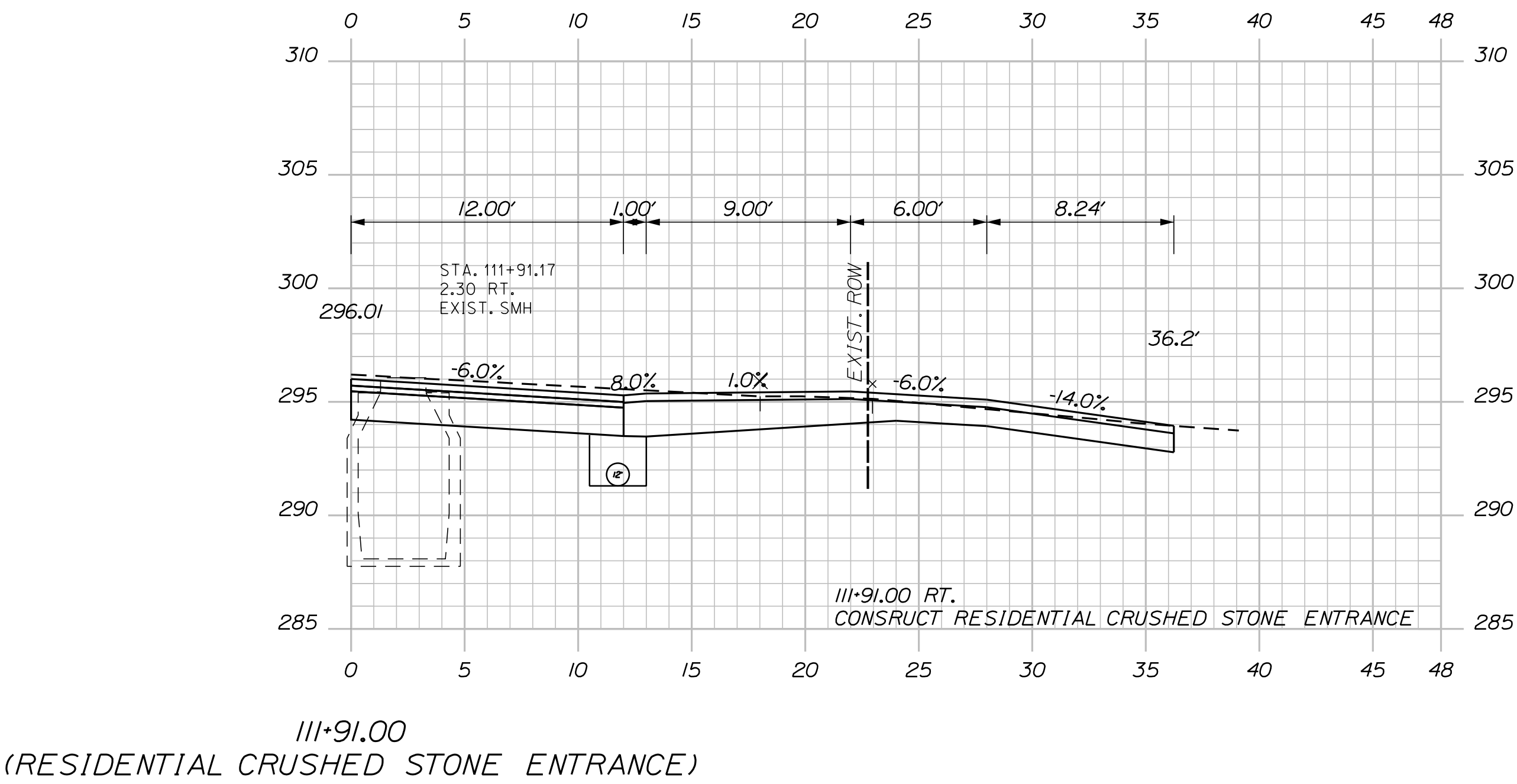
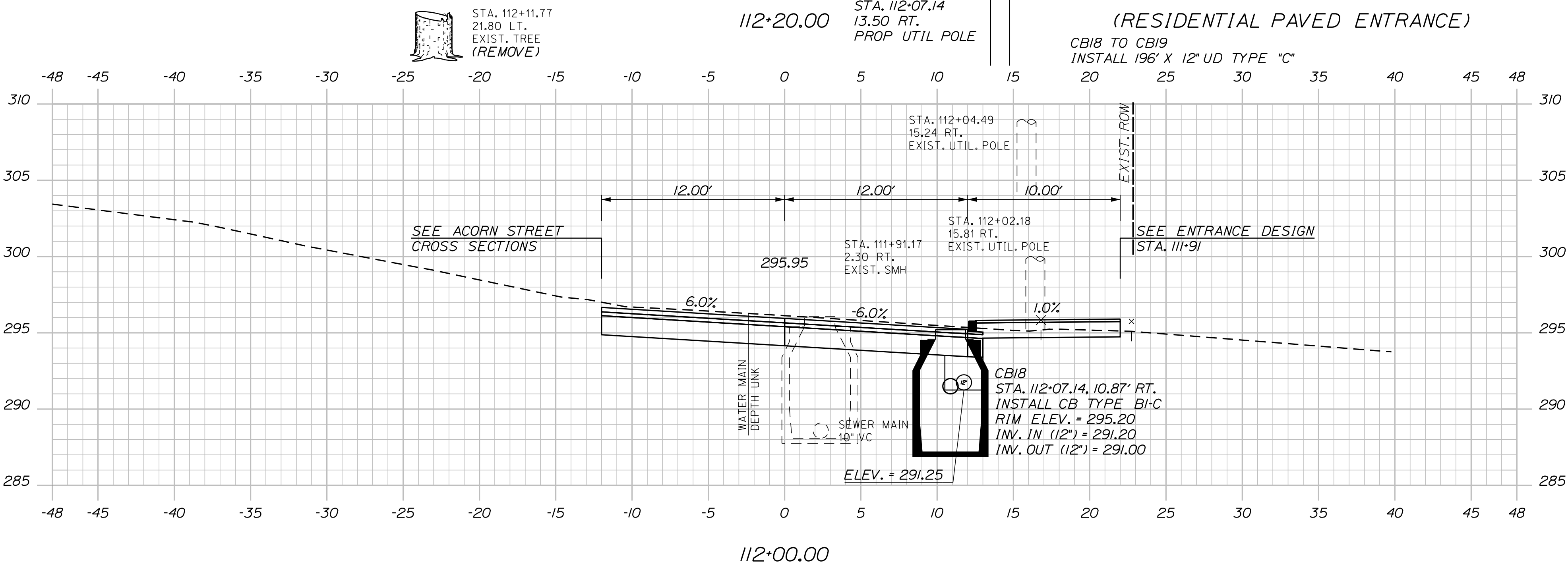
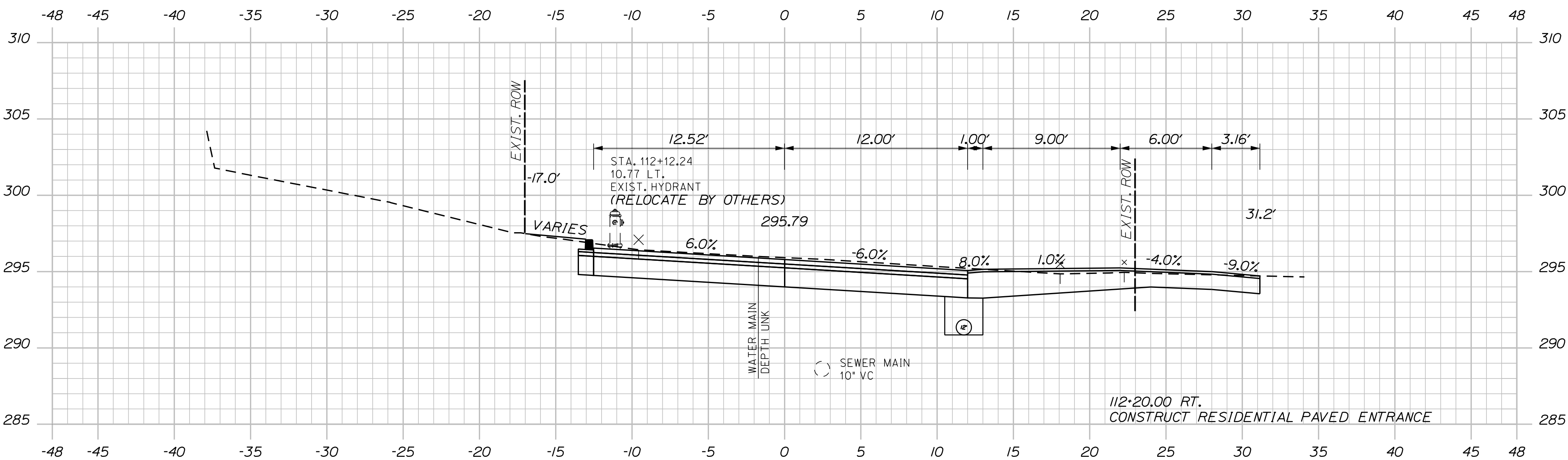
WIN
025335.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



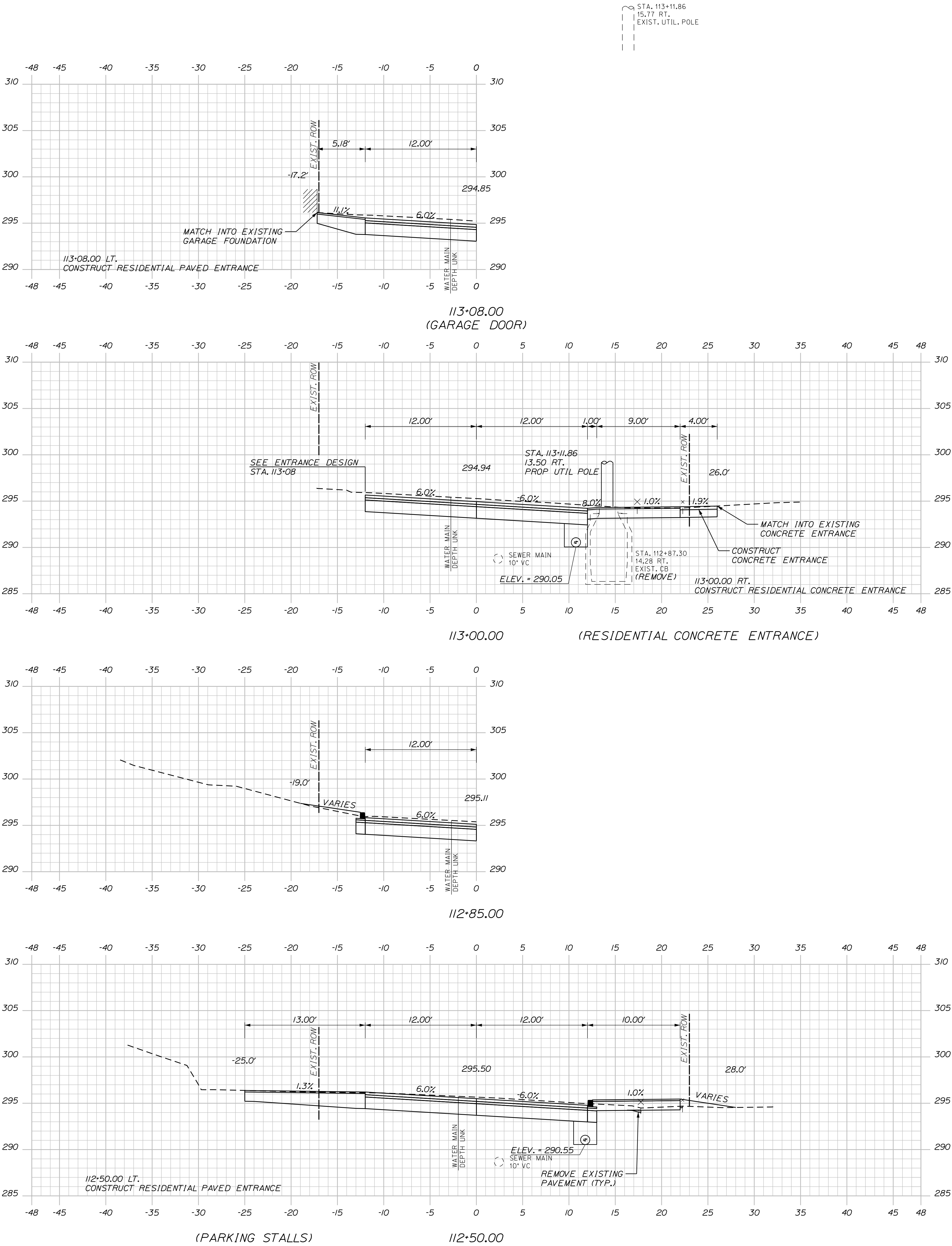
Sta. 111+00.00 to Sta. 111+55.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 111+90.00 to Sta. 112+20.00

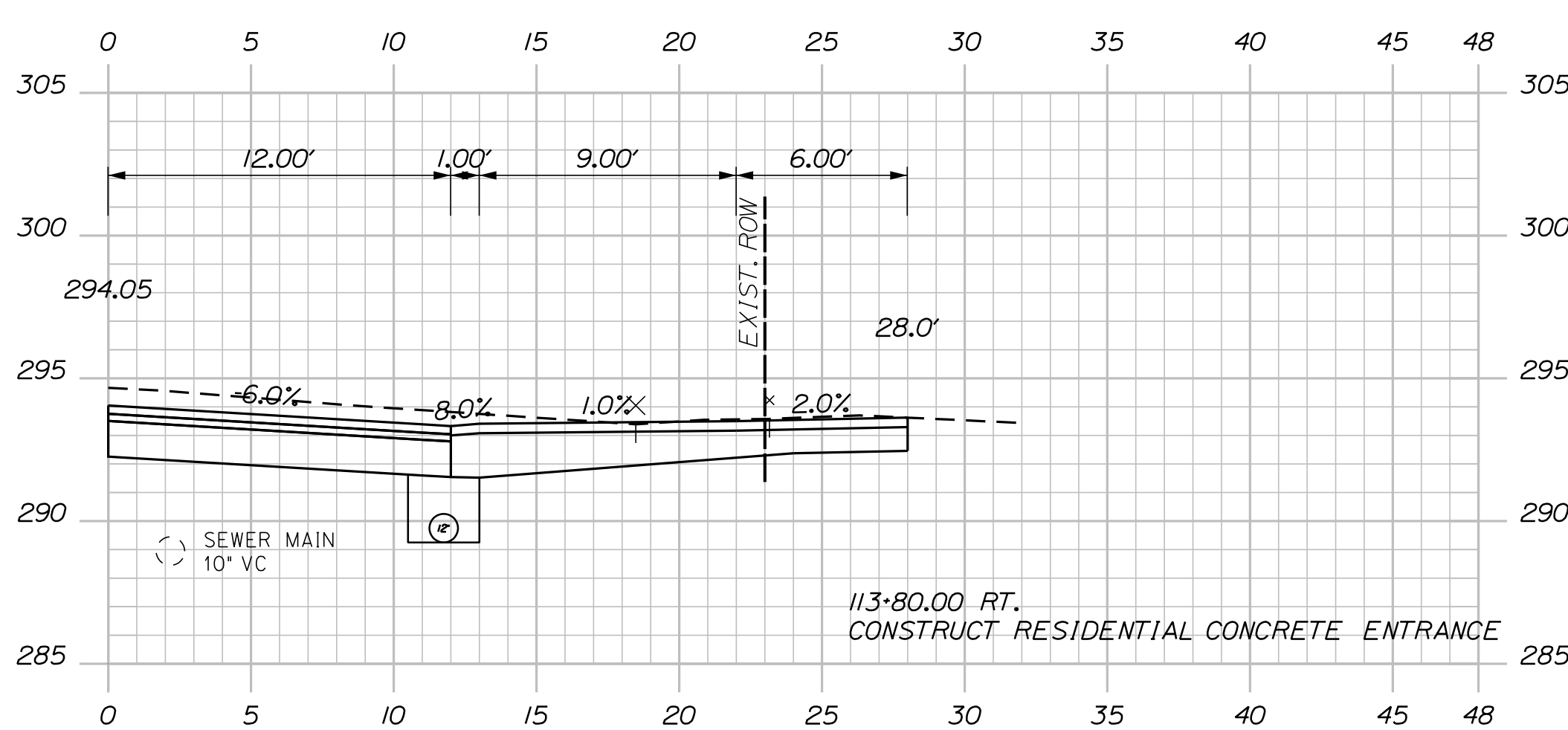
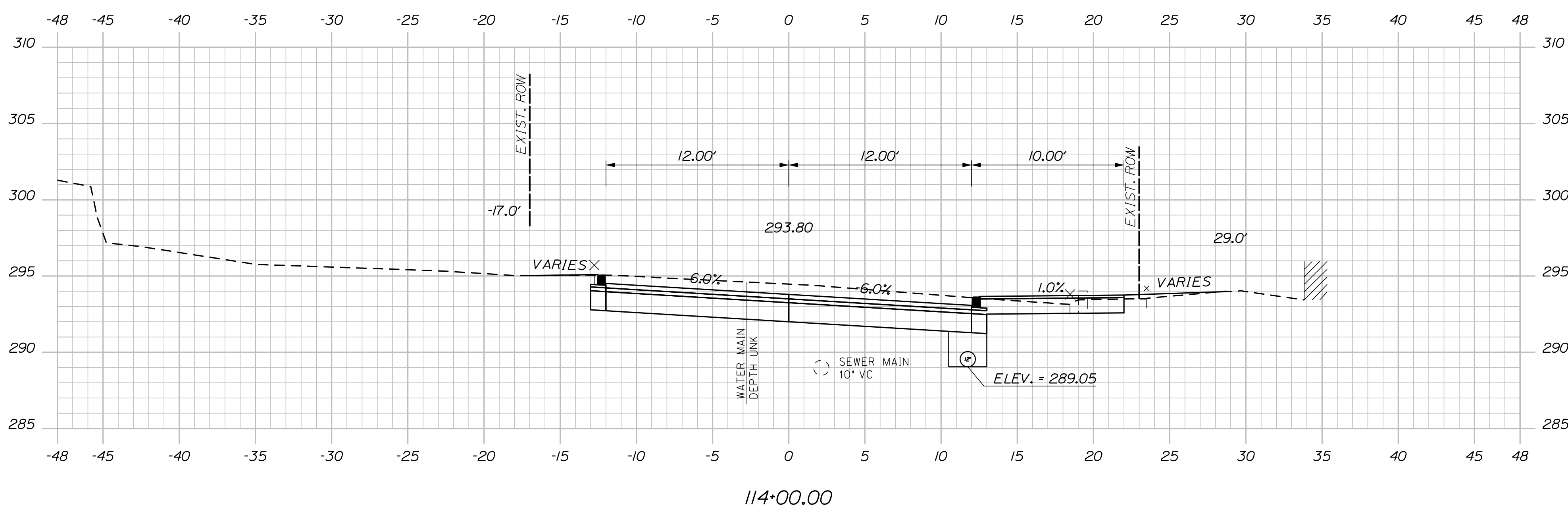
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



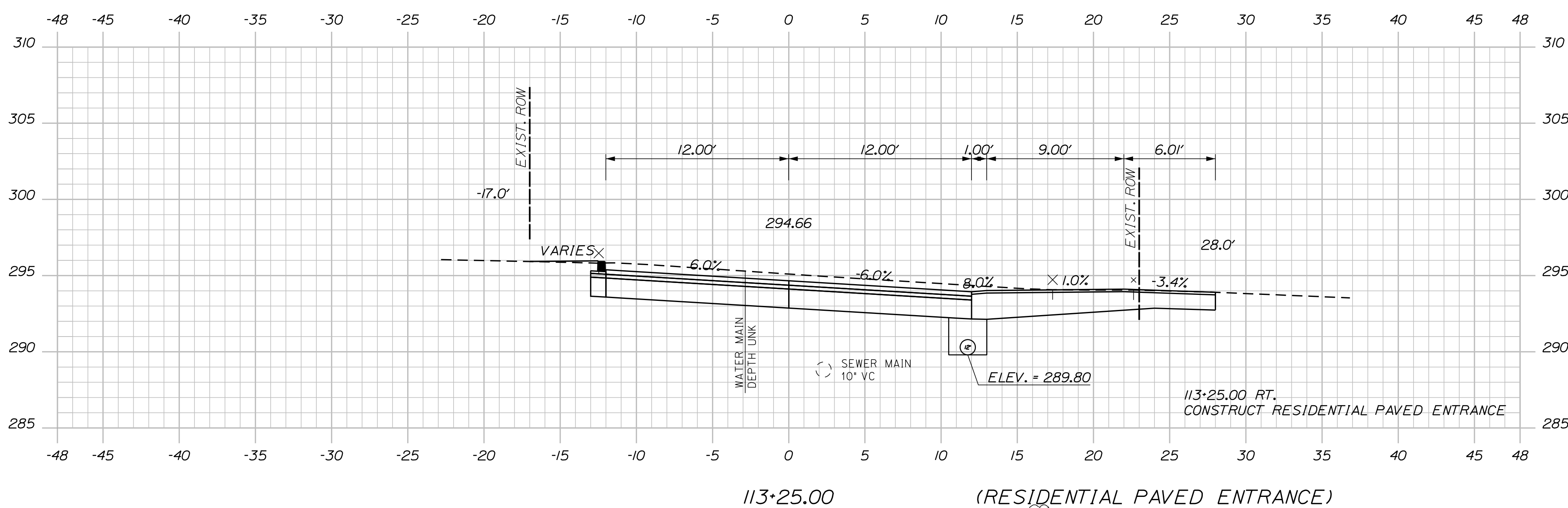
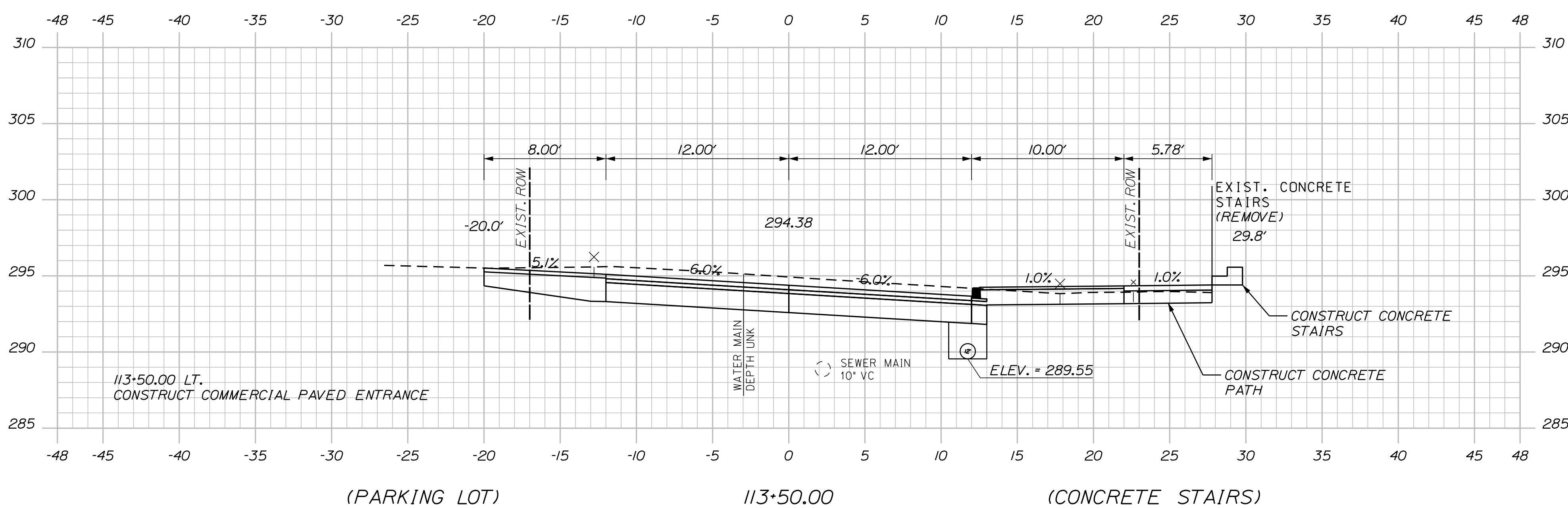
Sta. 112+50.00 to Sta. 113+08.00

OF 106	SHEET NUMBER 55	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25		
			DESIGN2-DETAILED2	-	-	-		
CROSS SECTIONS			DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
			REVISIONS 1	-	-	-	DATE	
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



113+80.00
(RESIDENTIAL CONCRETE ENTRANCE)



STA. 113+16.82
15.81 RT.
EXIST. UTIL. POLE

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09/25
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	--	--	--
DESIGN3-DETAILED3	--	--	--
REVISIONS 1	--	--	--
REVISIONS 2	--	--	--
REVISIONS 3	--	--	--
REVISIONS 4	--	--	--
FIELD CHANGES	--	--	--

SIGNATURE

P.E. NUMBER

DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

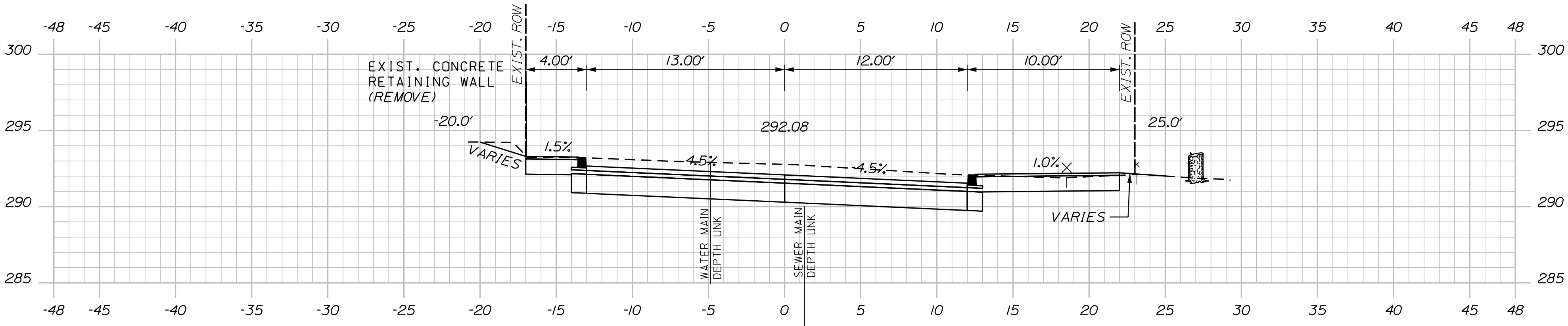
SHEET NUMBER

၆၈

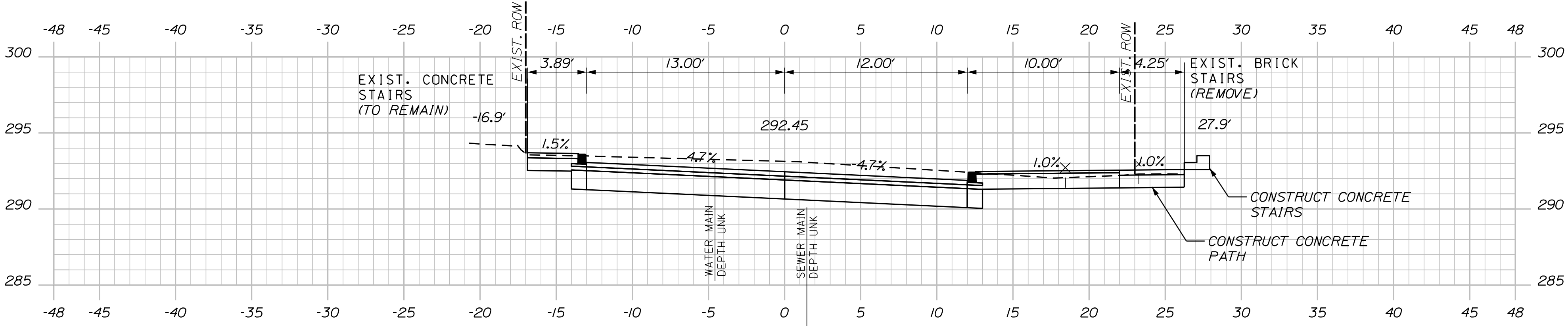
OF 106

Sta. 113+25.00 to Sta. 114+00.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

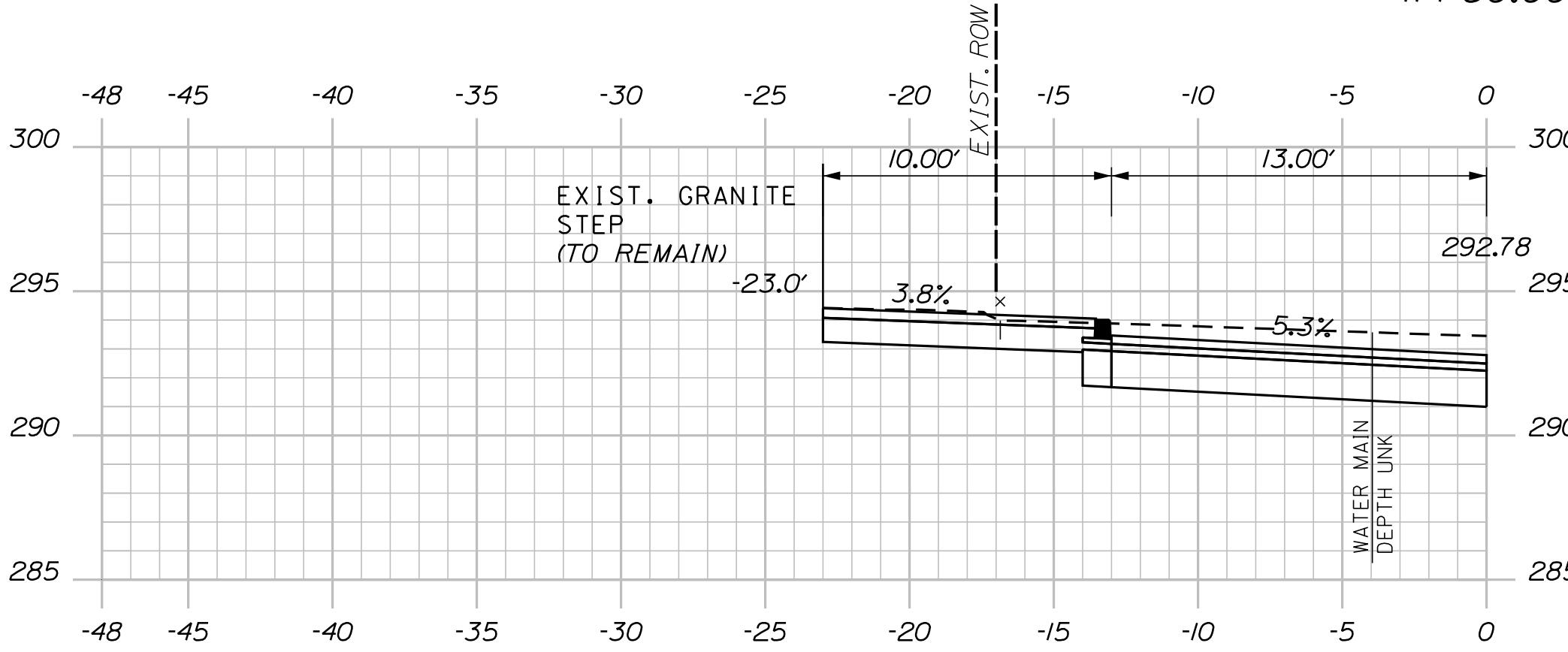


115+00.00

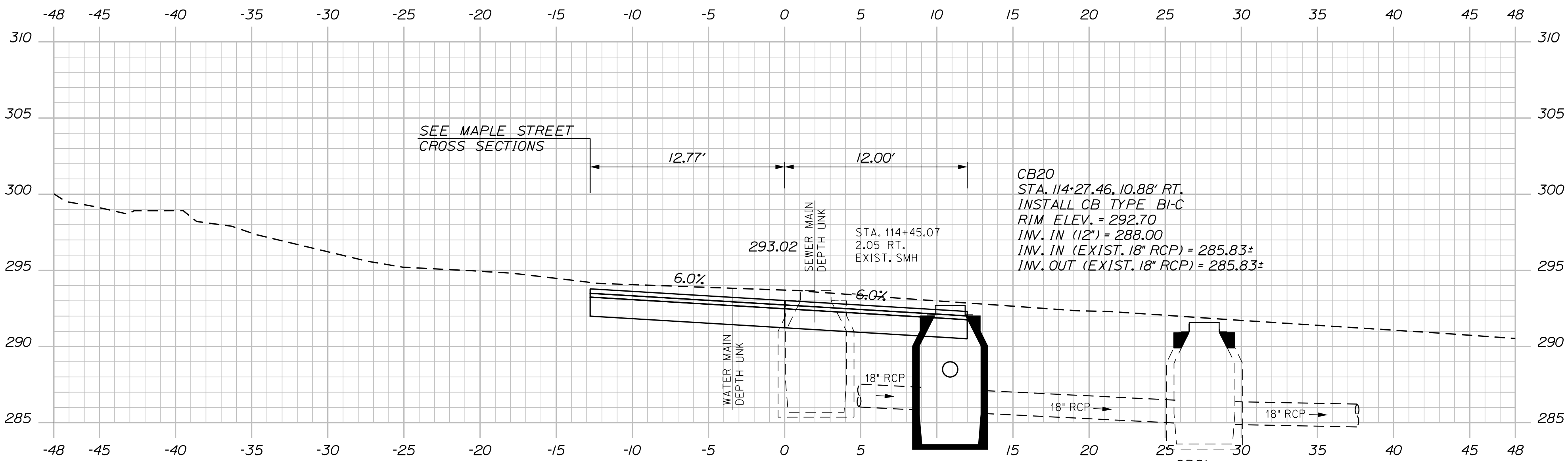


114+80.00

(CONCRETE STAIRS)



114+63.00
(CONCRETE STEPS)

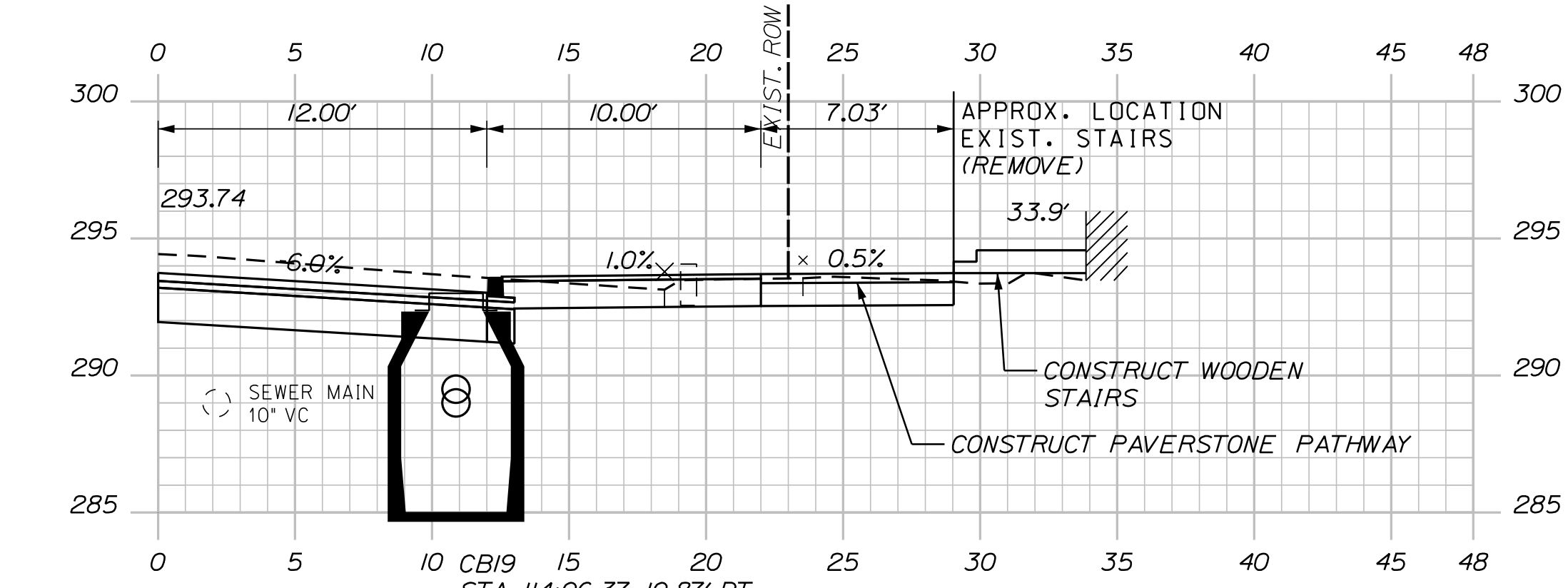


114+50.00

CB19 TO CB20
INSTALL 20' X 12" RCP CLASS III

STA. 114+42.04 RIVERSIDE AVENUE $\mathbb{B}$ =
STA 41+25.00 MAPLE STREET NORTH $\mathbb{B}$

STA. 114+34.41 RIVERSIDE AVENUE $\mathbb{B}$ =
STA 45+00.00 MAPLE STREET SOUTH $\mathbb{B}$



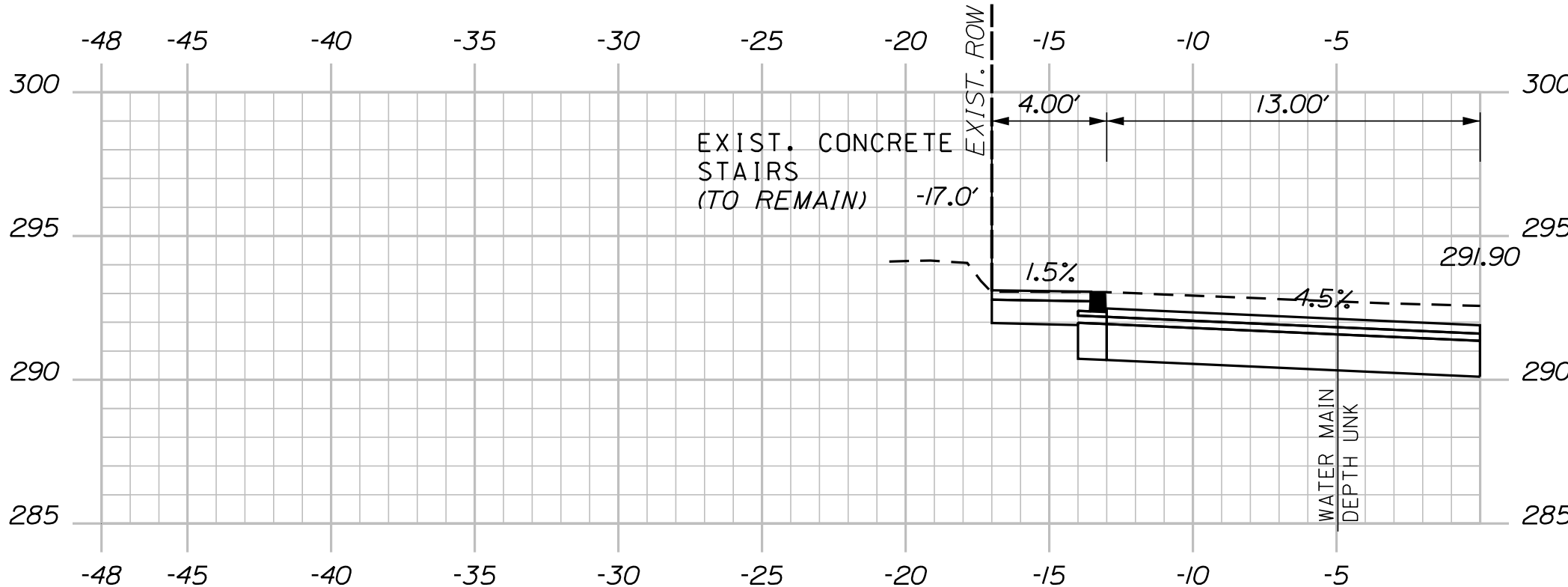
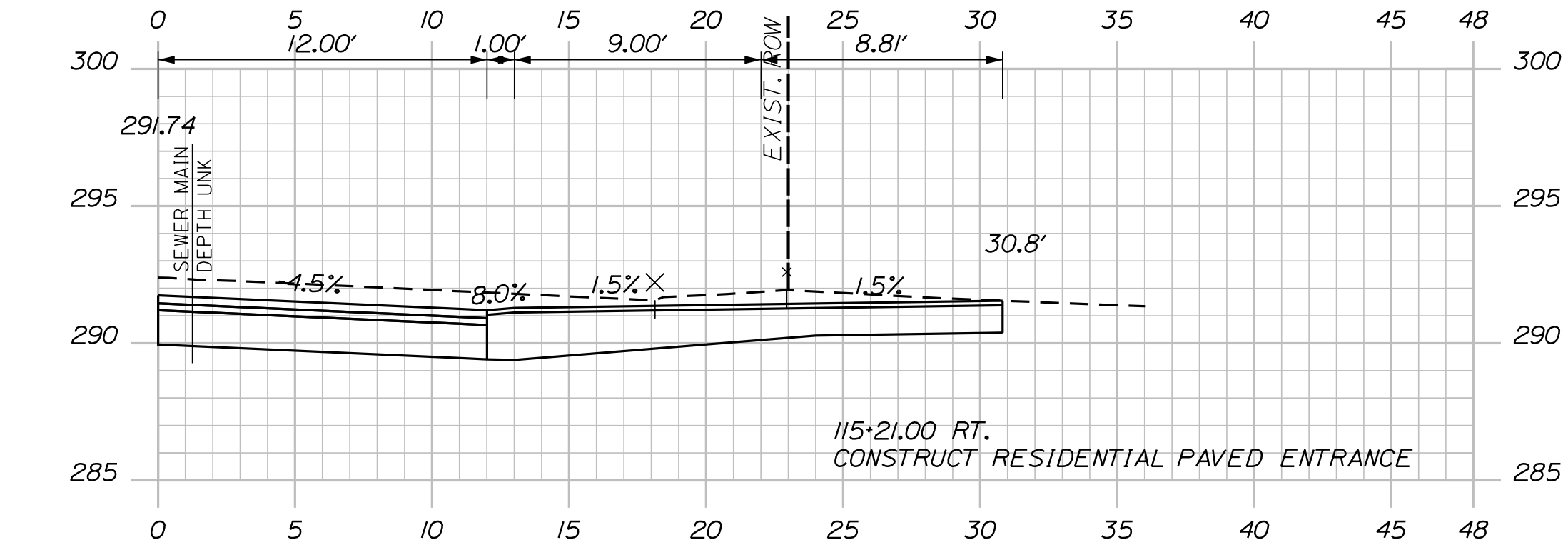
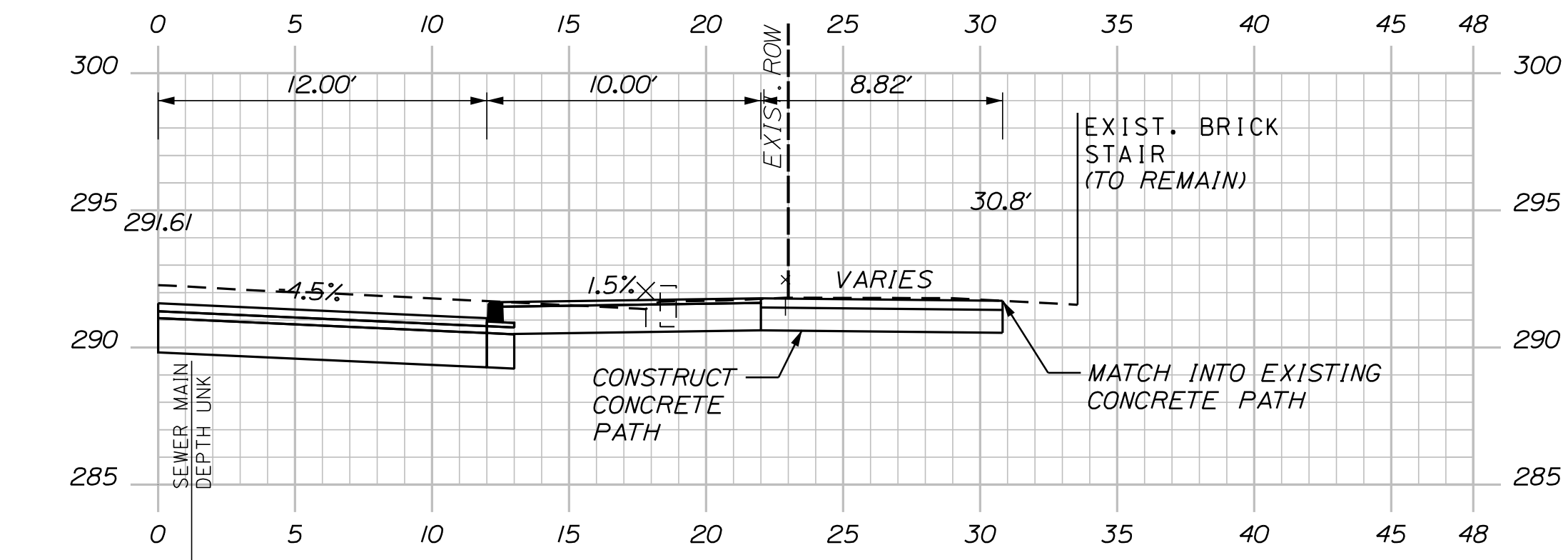
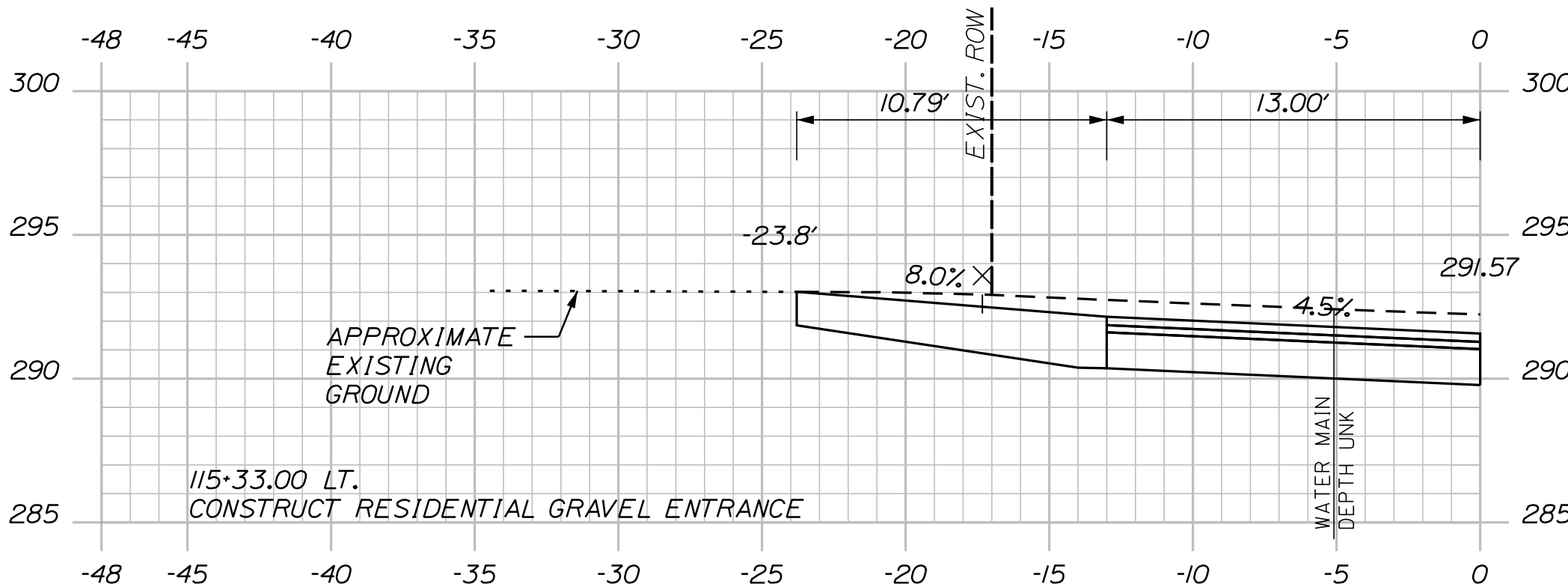
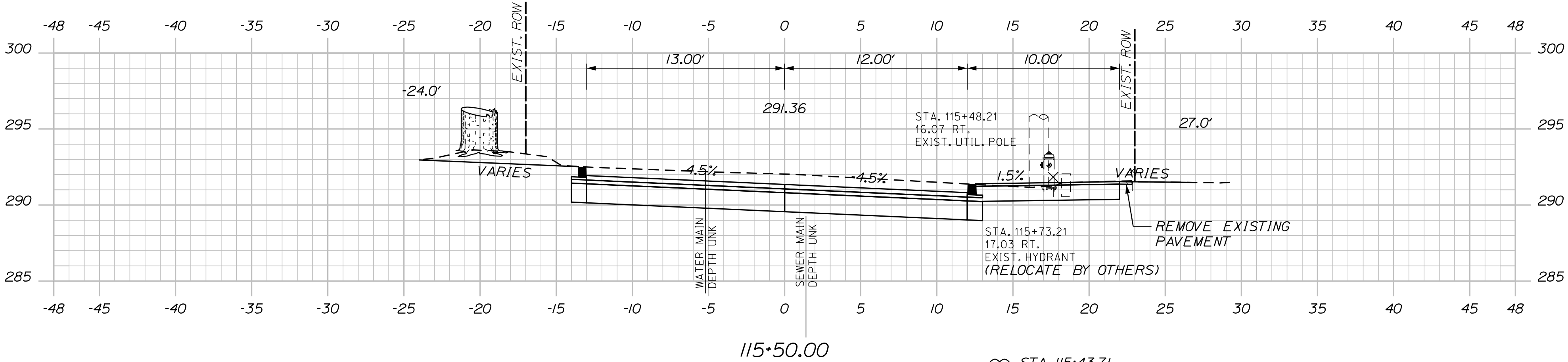
114+04.00
(BRICK STAIRS)

STA. 114+06.37, 10.87' RT.
INSTALL CB TYPE BI-C
RIM ELEV. = 293.00
INV. IN (12") = 289.00
INV. OUT (12" RCP) = 288.50

Sta. 114+04.00 to Sta. 115+00.00

OF 106	SHEET NUMBER	57	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
				CHECKED-REVIEWED	J. WINCHENBACH	B. ETTINGER	09\25		
				DESIGN2-DETAILED2	-	-	-		
OF 106	SHEET NUMBER	57	CROSS SECTIONS	DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-	DATE	
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
OF 106	SHEET NUMBER	57	CROSS SECTIONS	REVISIONS 4	-	-	-		
				FIELD CHANGES	-	-	-		

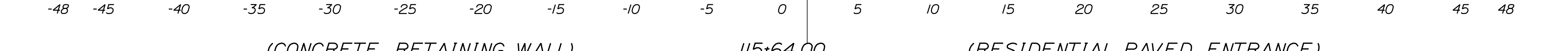
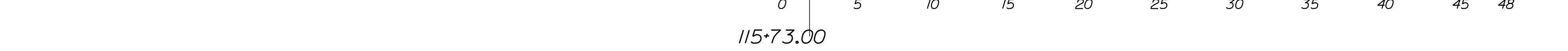
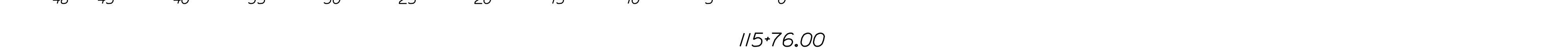
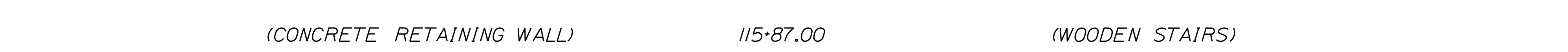
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



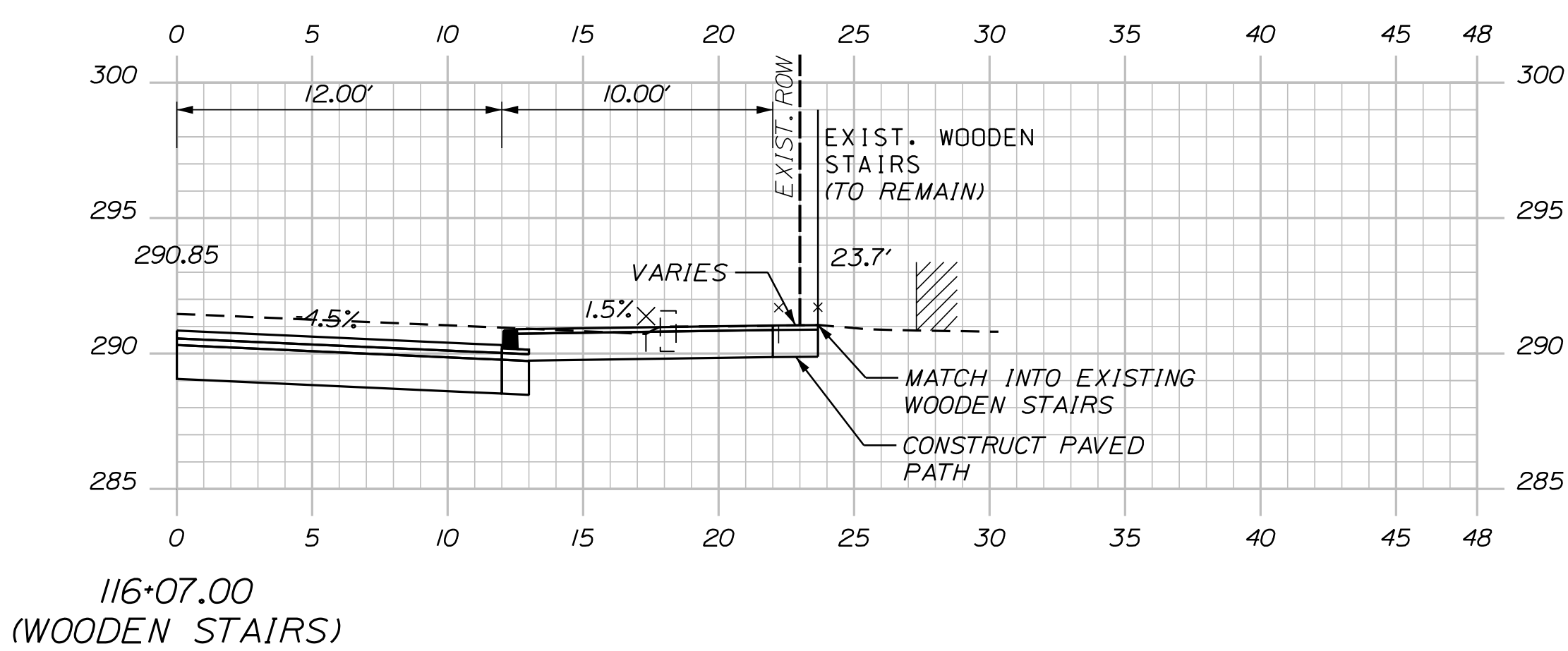
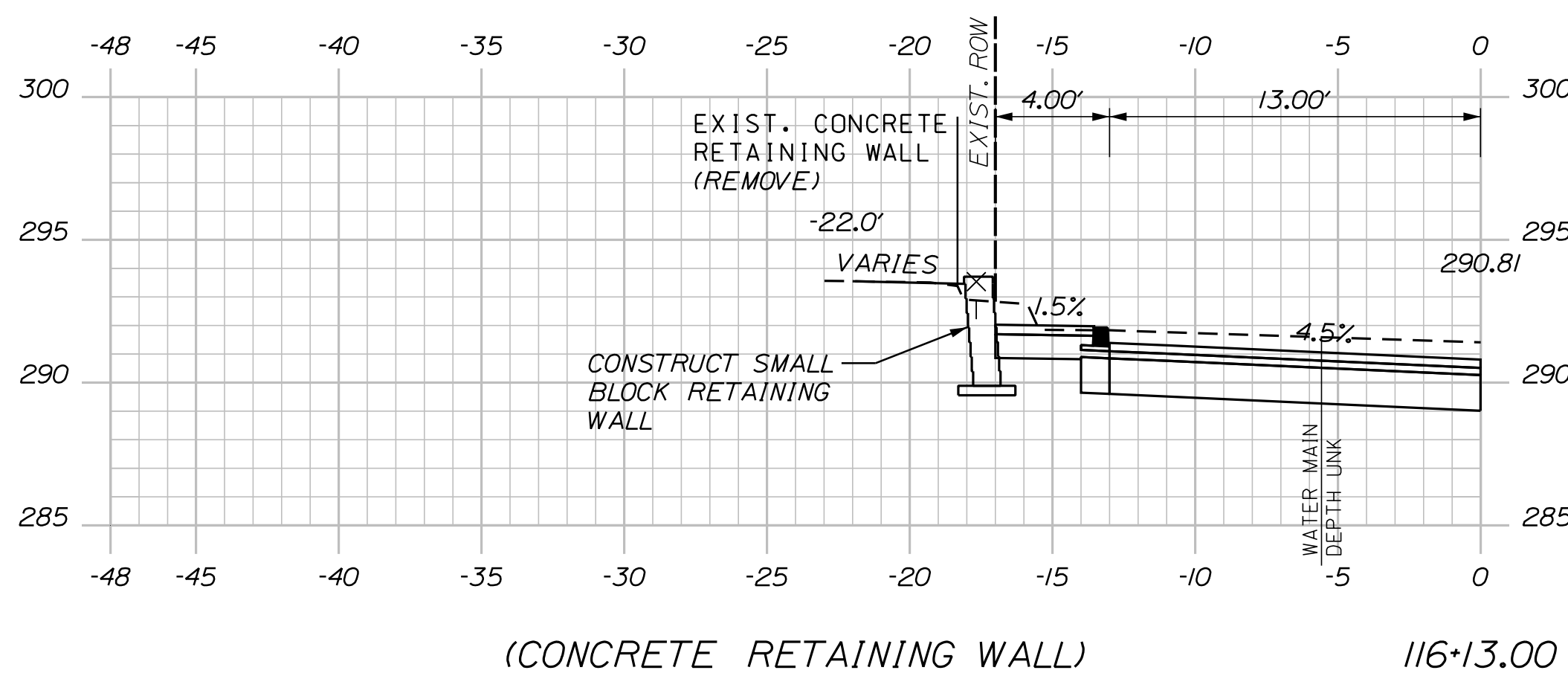
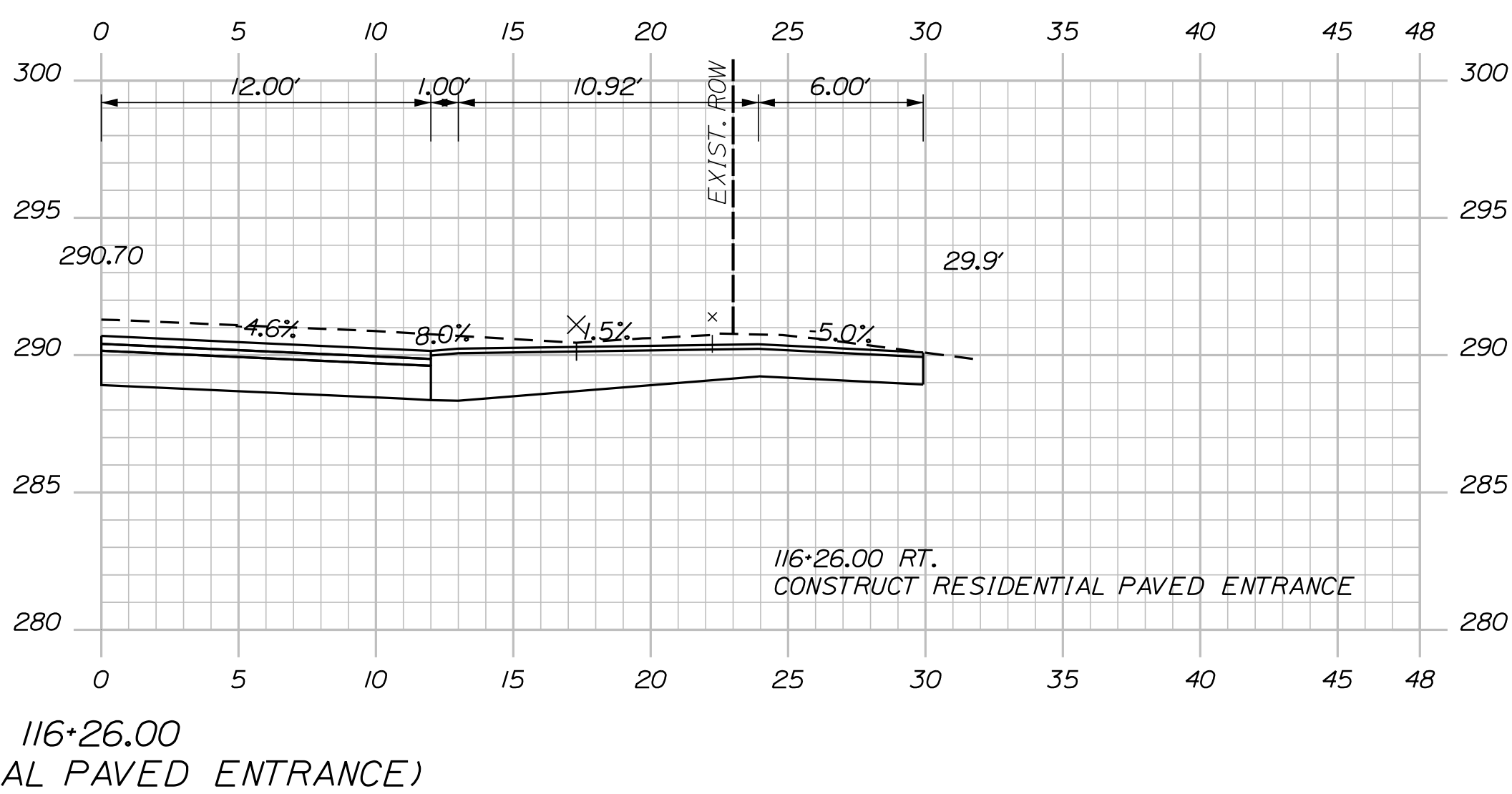
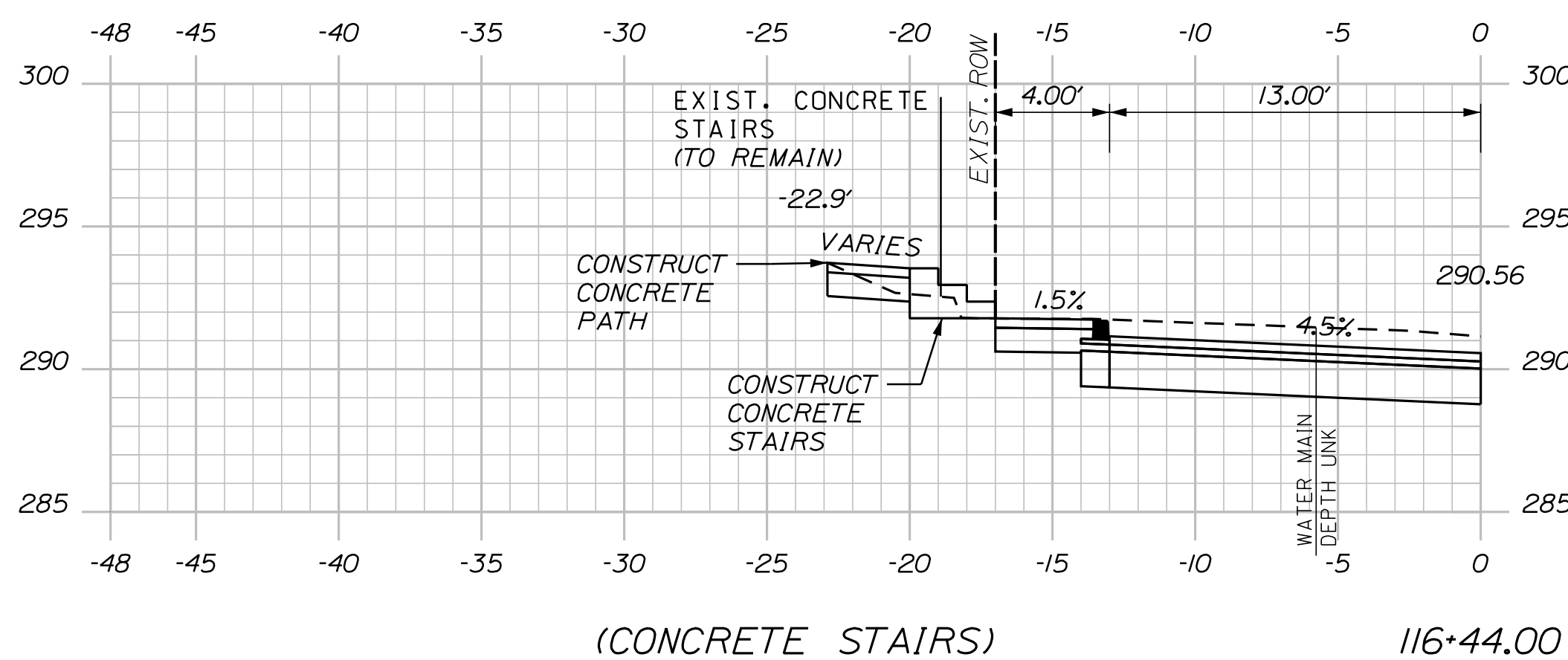
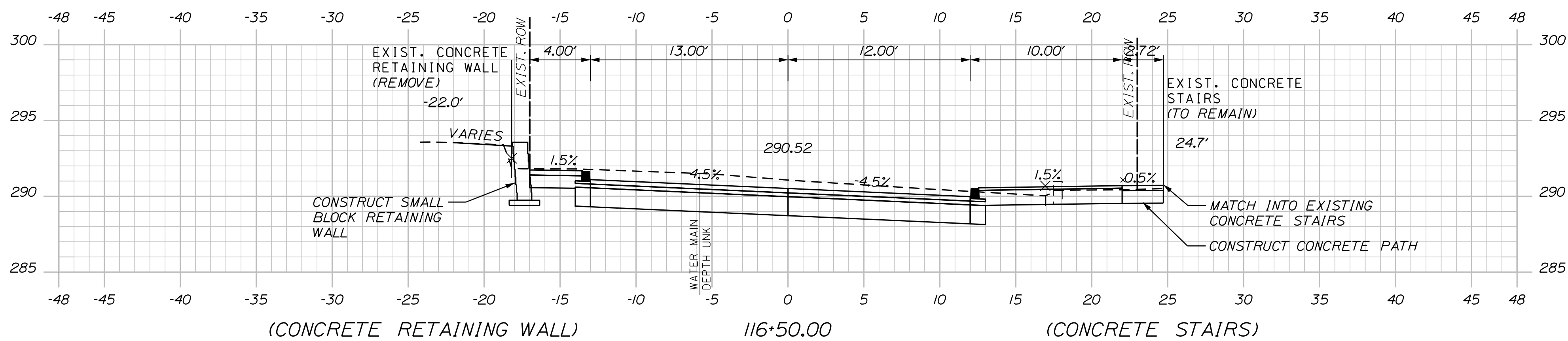
Sta. 115+11.00 to Sta. 115+50.00

OF 106	SHEET NUMBER	58	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
				CHECKED-REVIEWED	J. WINCHENBACH	B. ETTINGER	09\25		
				DESIGN2-DETAILED2	-	-	-		
CROSS SECTIONS				DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-	DATE	
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
				REVISIONS 4	-	-	-		
				FIELD CHANGES	-	-	-		

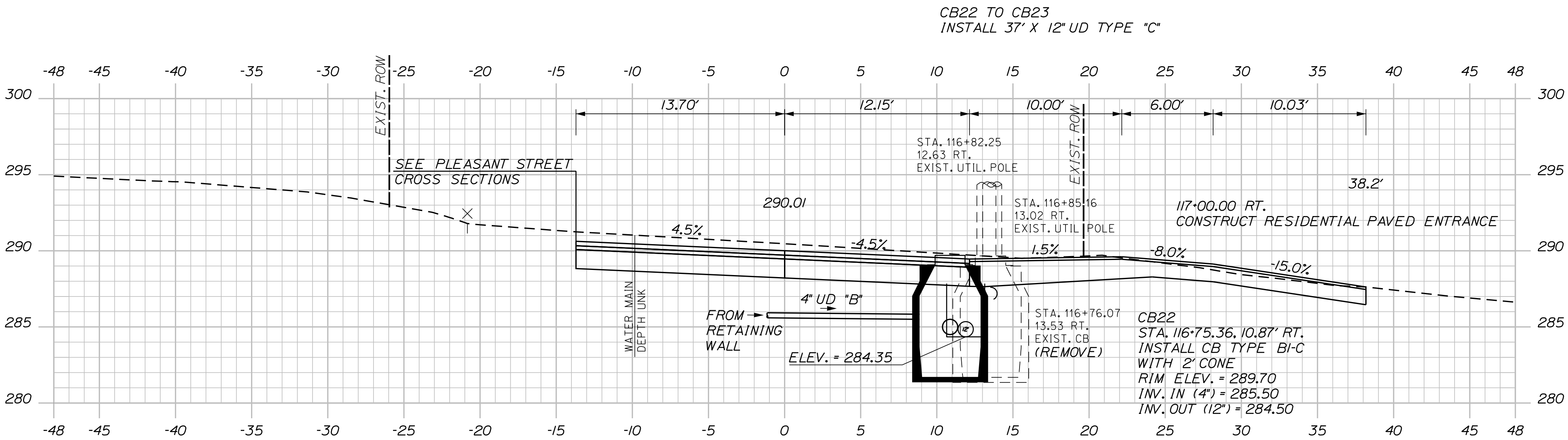
U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn

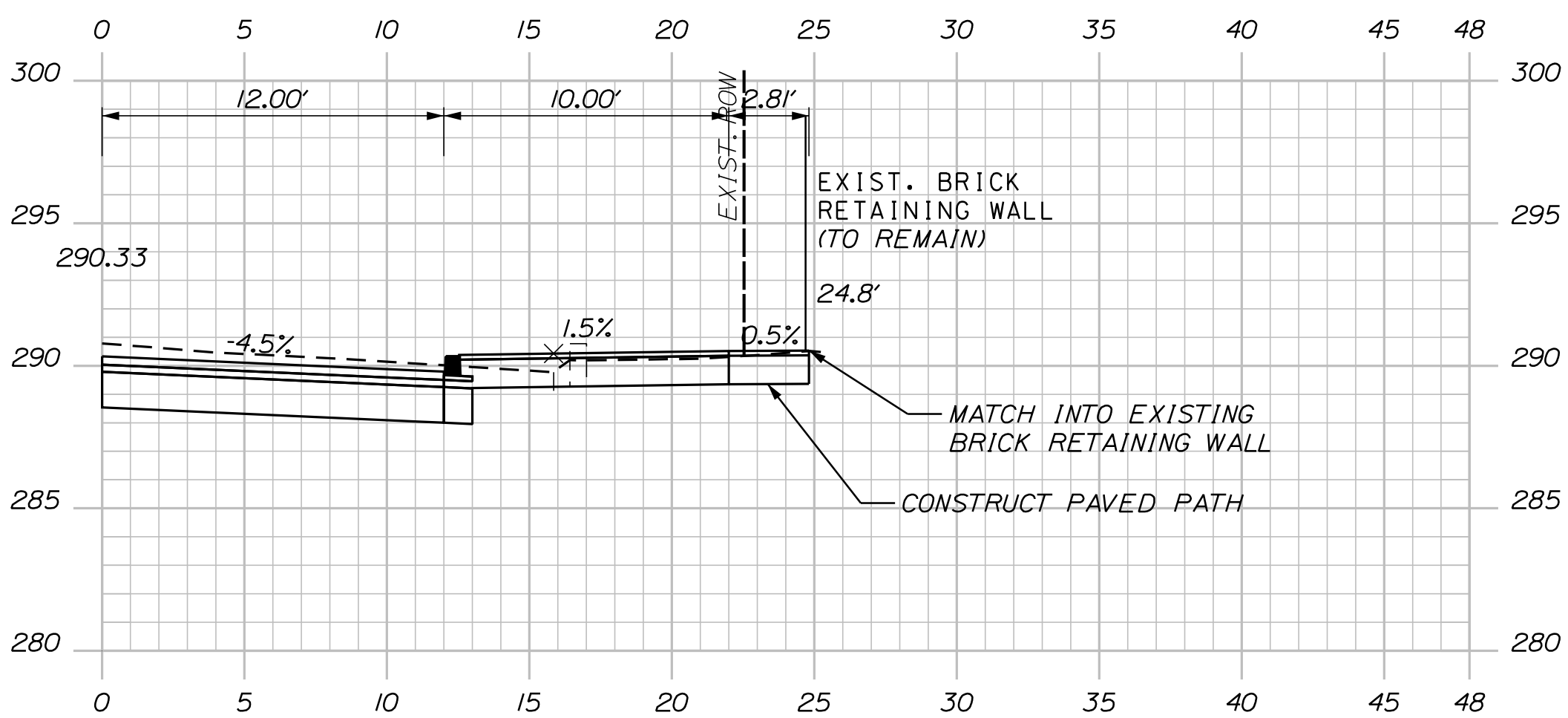


U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

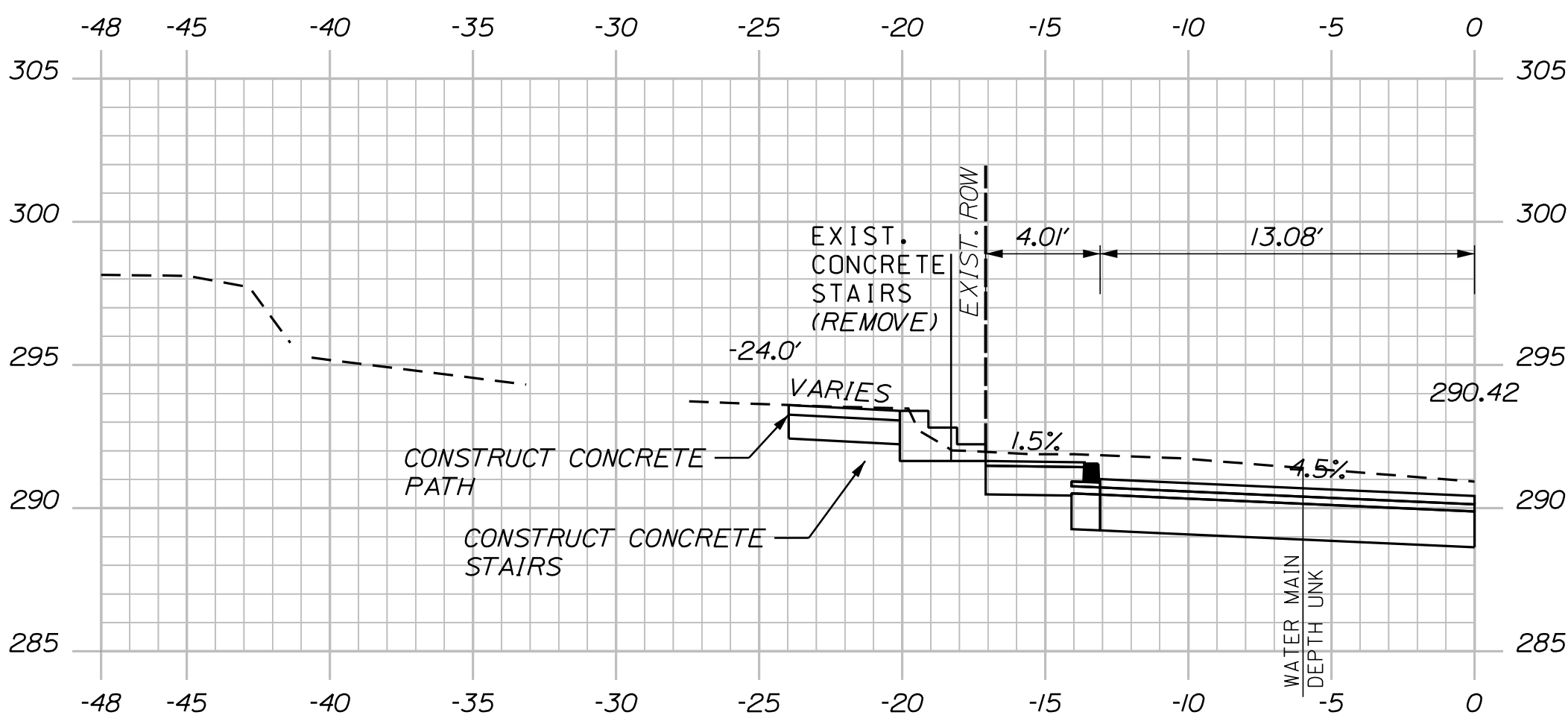


STA. 116+86.49 RIVERSIDE AVENUE =
STA 50+00.00 PLEASANT AVENUE =

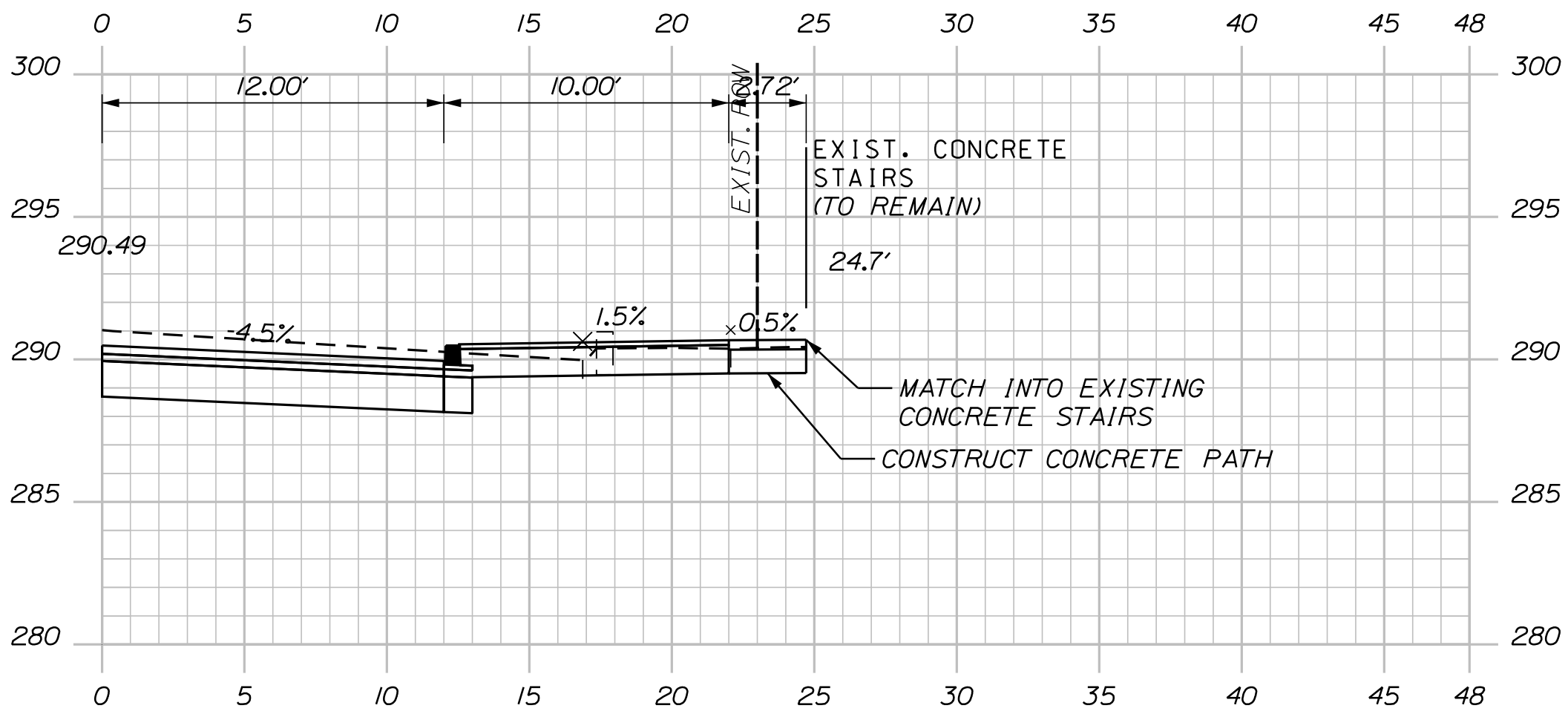
117+00.00 (RESIDENTIAL PAVED ENTRANCE)



116+72.00 (BRICK RETAINING WALL)



116+62.00 (CONCRETE STAIRS)



116+54.00 (CONCRETE STAIRS)

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	B. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

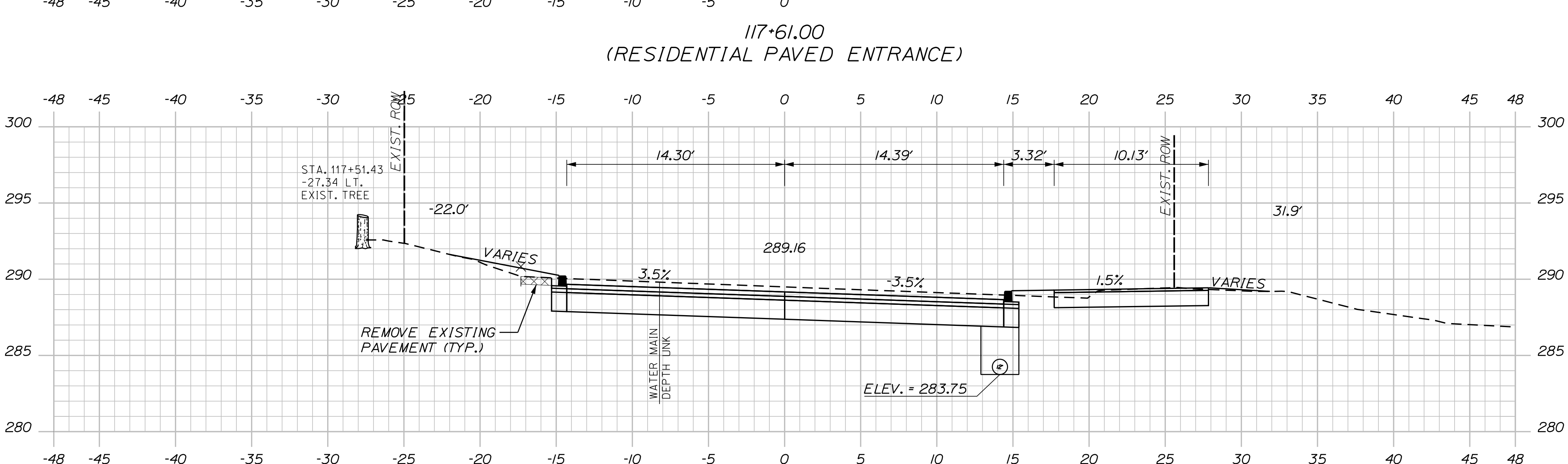
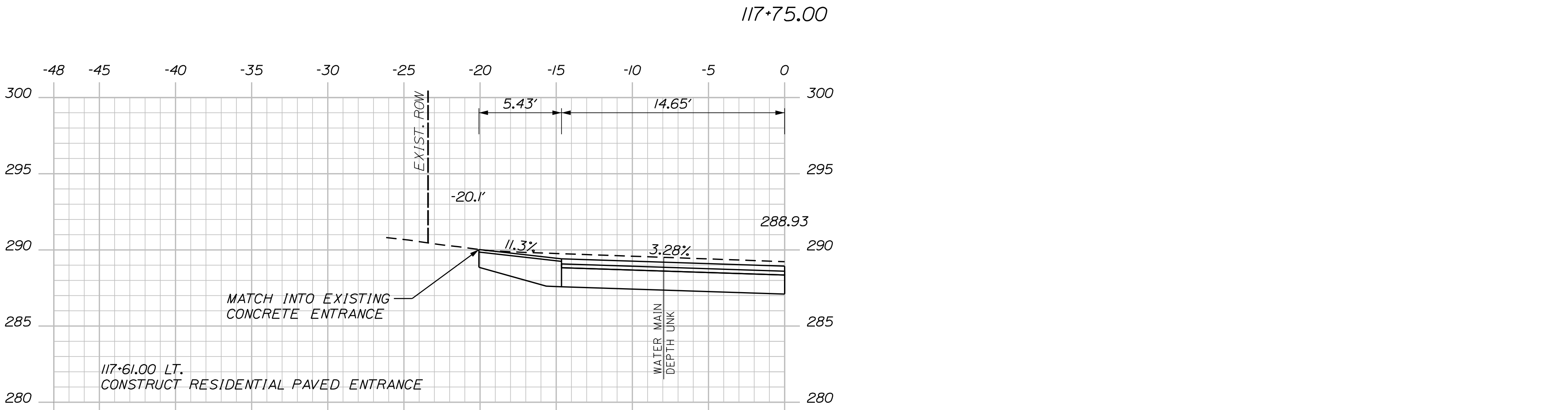
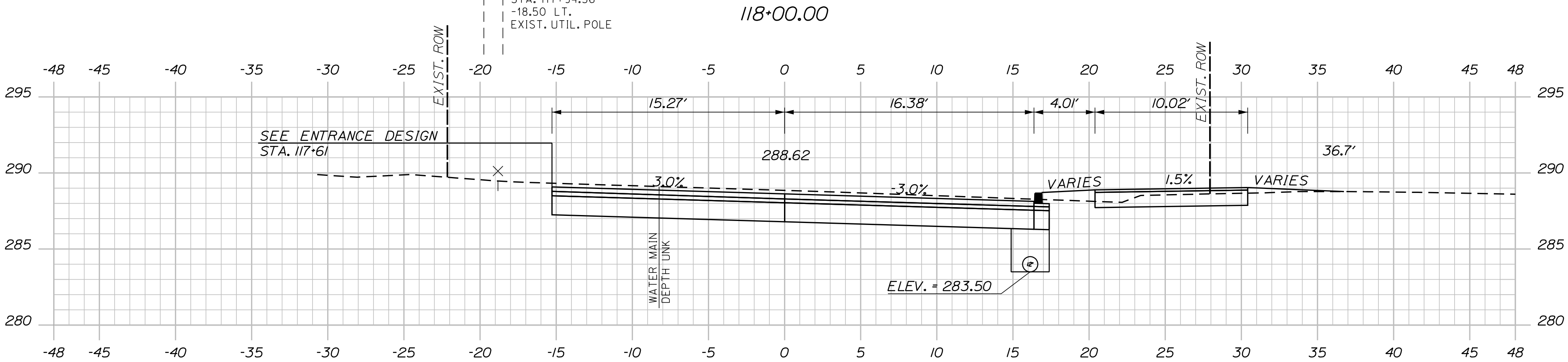
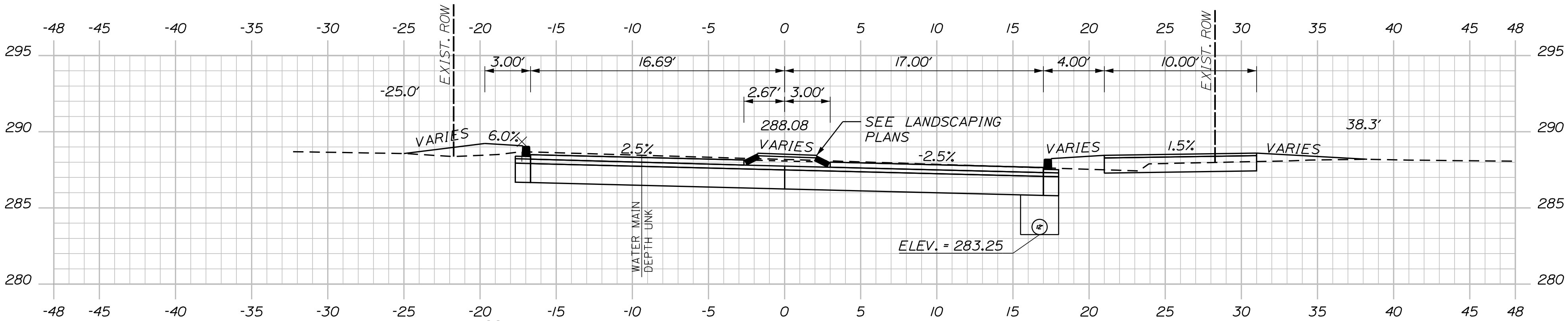
SHEET NUMBER

61

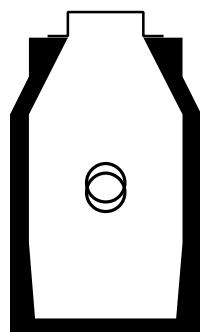
OF 106

Sta. 116+54.00 to Sta. 117+00.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



CB23 TO CB24
INSTALL 172' X 12" UD TYPE "C"



CB23
STA. 117+17.25, 11.49' RT.
INSTALL CB TYPE BI-C
RIM ELEV. = 289.20
INV. IN (12") = 284.25
INV. OUT (12") = 284.00

STA. 117+38.06
20.63 RT.
EXIST. UTIL. POLE



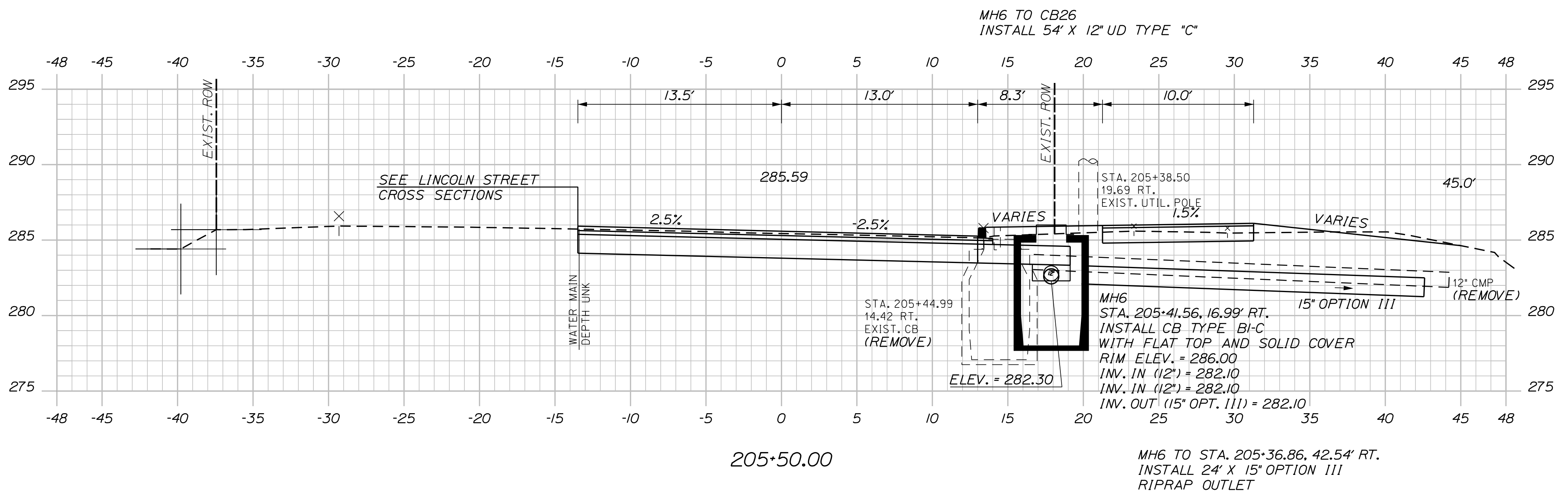
STA. 117+25.86
29.67 RT.
EXIST. TREE

STA. 117+41.70
33.09 RT.
EXIST. TREE

Sta. 117+32.00 to Sta. 118+00.00

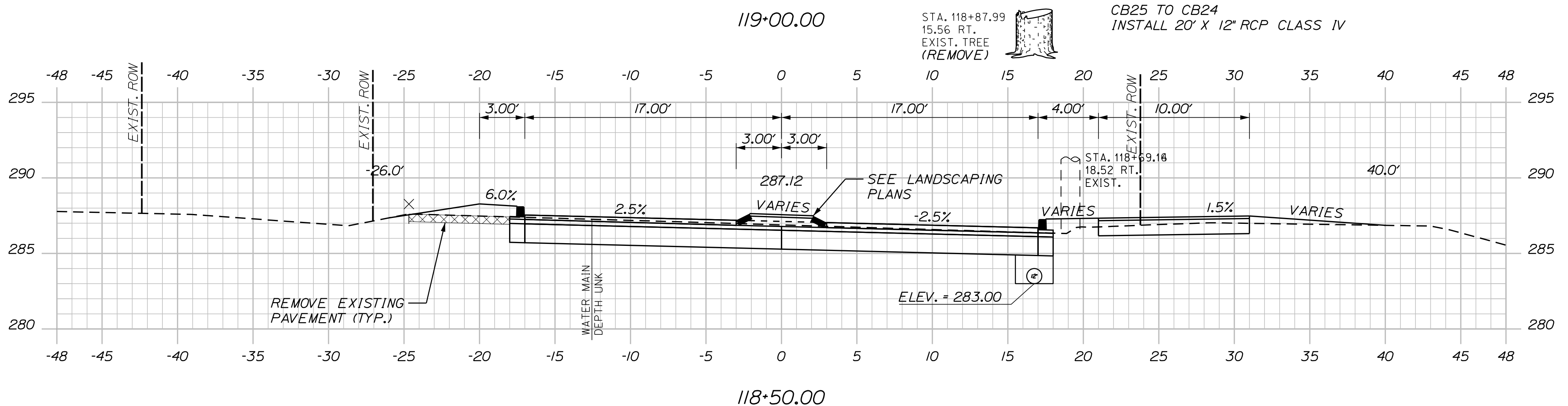
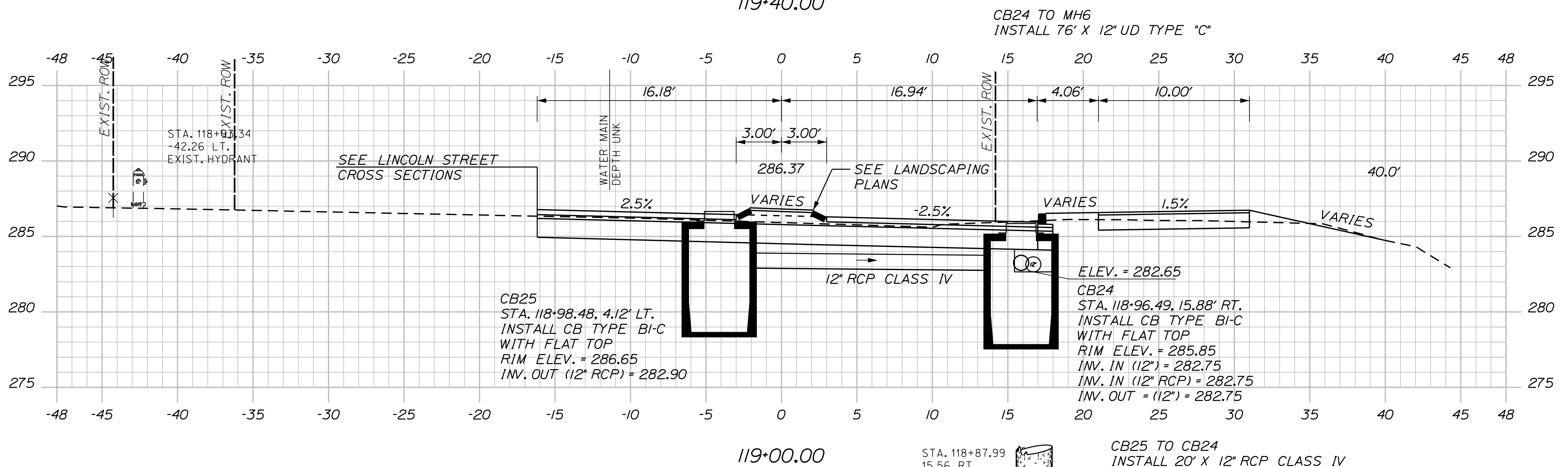
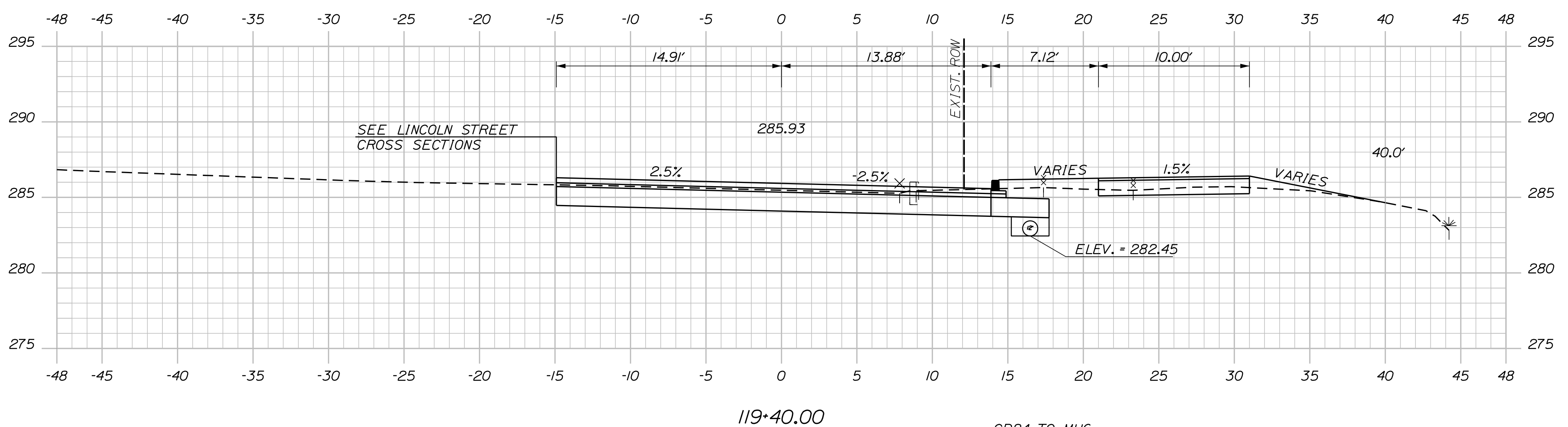
OF 106	62	SHEET NUMBER	SANFORD		PROJ. MANAGER				M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			RIVERSIDE AVENUE AND		DESIGN-DETAILED				T. WARREN	M.CUNDIFF	09\25	
			WILLIAM OSCAR EMERY DRIVE		CHECKED-REVIEWED				J.WINCHENBACH	B. ETTINGER	09\25	
					DESIGN2-DETAILED2				-	-	-	
					DESIGN3-DETAILED3				-	-	-	
					REVISIONS 1				-	-	-	
					REVISIONS 2				-	-	-	
					REVISIONS 3				-	-	-	
					REVISIONS 4				-	-	-	
					FIELD CHANGES				-	-	-	
CROSS SECTIONS		DATE										WIN 025335.00

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



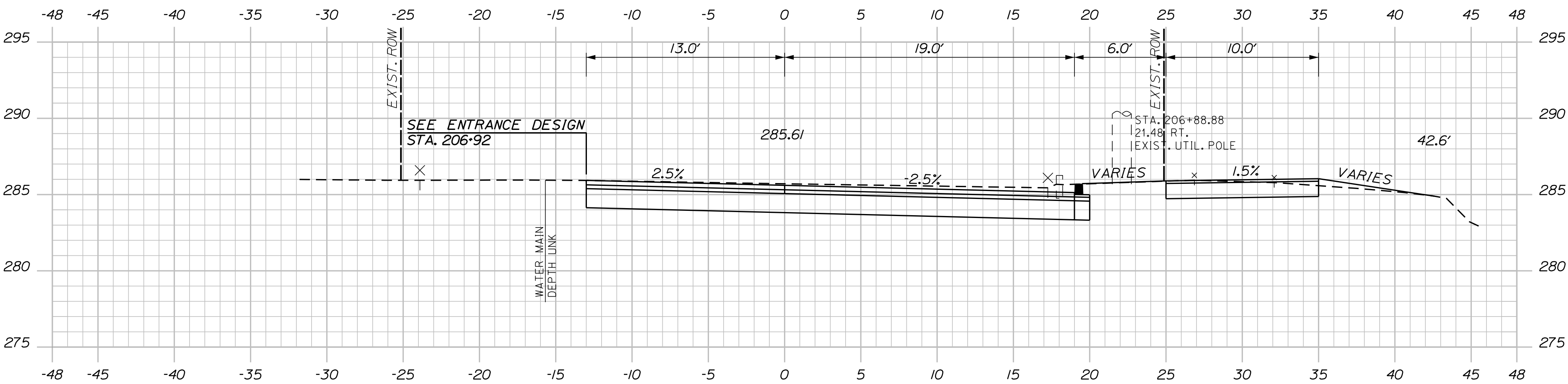
STA. 119+43.21 RIVERSIDE AVENUE @=
STA. 205+08.49 WILLIAM OSCAR EMERY DRIVE @=
STA. 60+00.00 LINCOLN STREET @

STA. A 205+08.82
28.82 RT.
EXIST. TREE
(REMOVE)

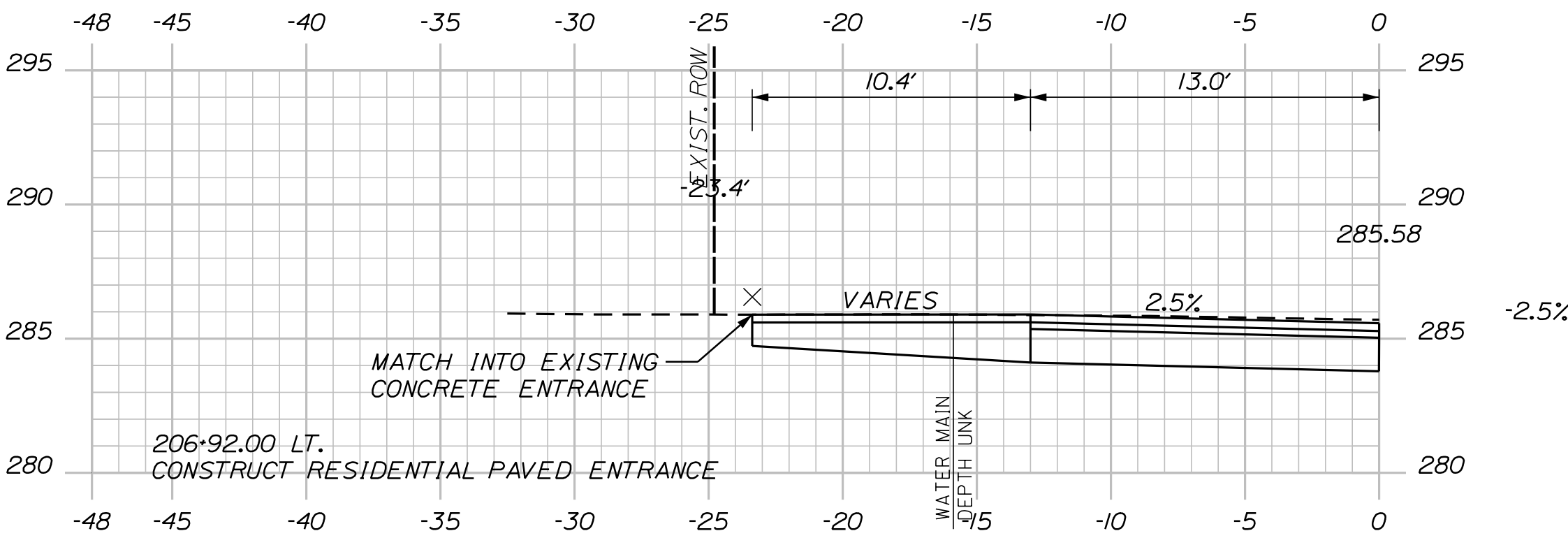


PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25
CHECKED-REVIEWED	J.WINCHENBACH	B. ETTINGER	09\25
DESIGN2-DETAILED2	—	—	—
DESIGN3-DETAILED3	—	—	—
REVISIONS 1	—	—	—
REVISIONS 2	—	—	—
REVISIONS 3	—	—	—
REVISIONS 4	—	—	—
FIELD CHANGES	—	—	—

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

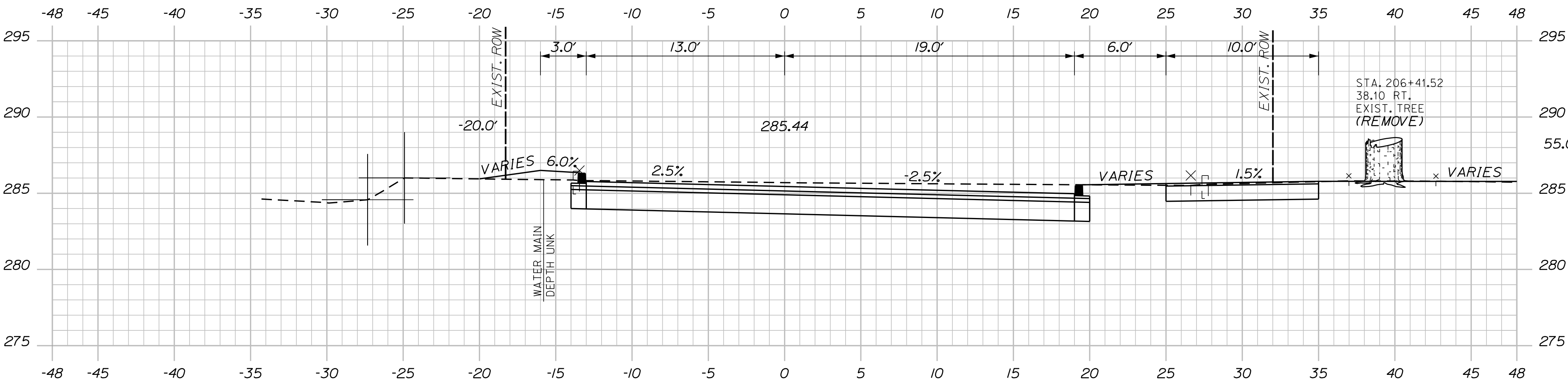


207+00.00

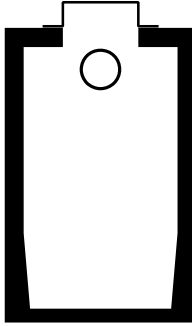


(RESIDENTIAL PAVED ENTRANCE)

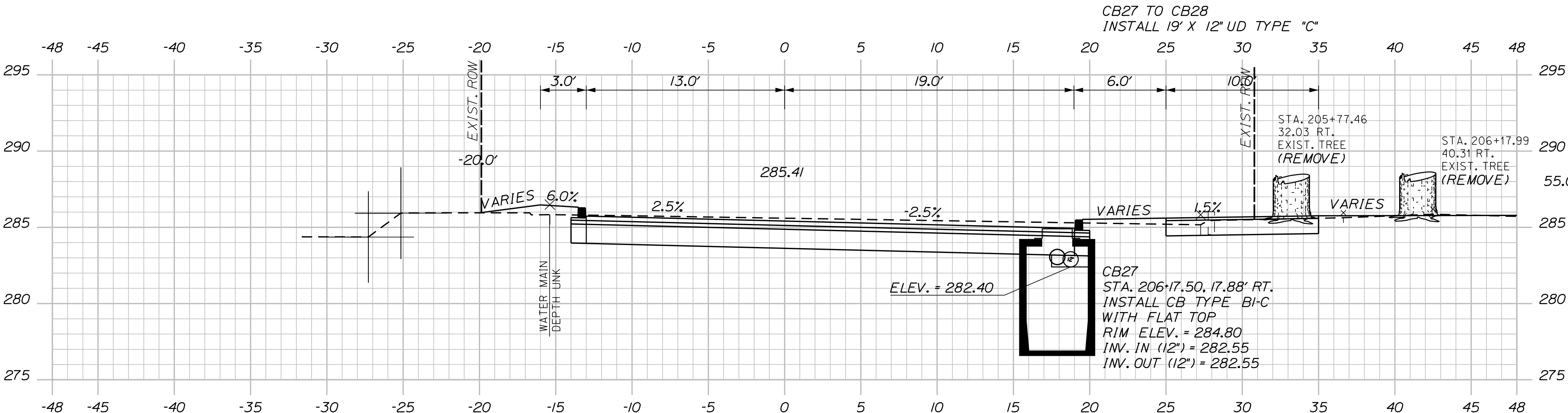
206+92.00



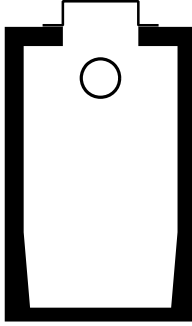
206+50.00



CB28
STA. 206+37.50, 17.88' RT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 284.90
INV. OUT (12") = 282.65



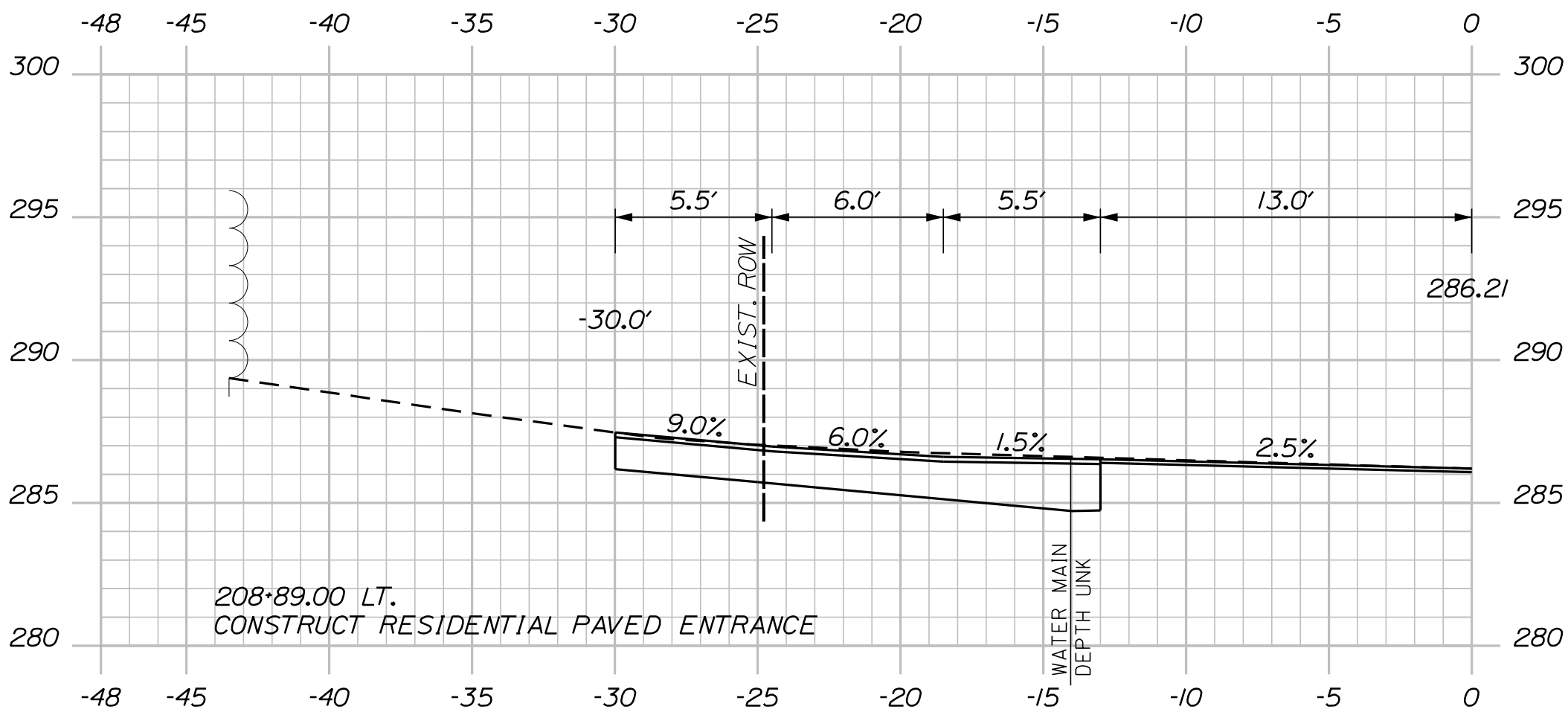
206+00.00



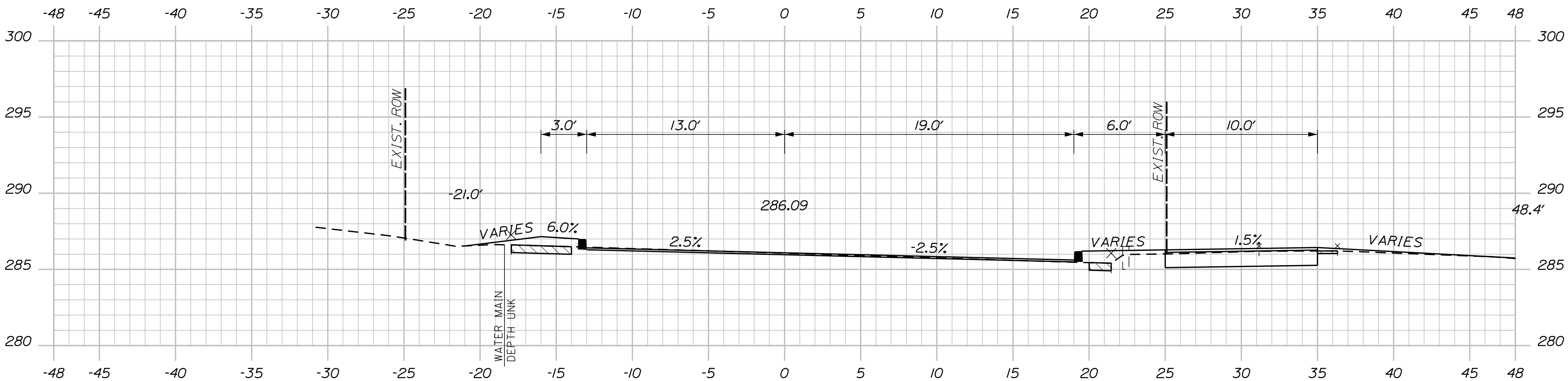
CB26 TO CB27
INSTALL 18' X 12" UD TYPE "C"
CB26
STA. 205+98.65, 17.88' RT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 284.90
INV. IN (12") = 282.40
INV. OUT (12") = 282.40

STA. 206+00.00 to STA. 207+00.00

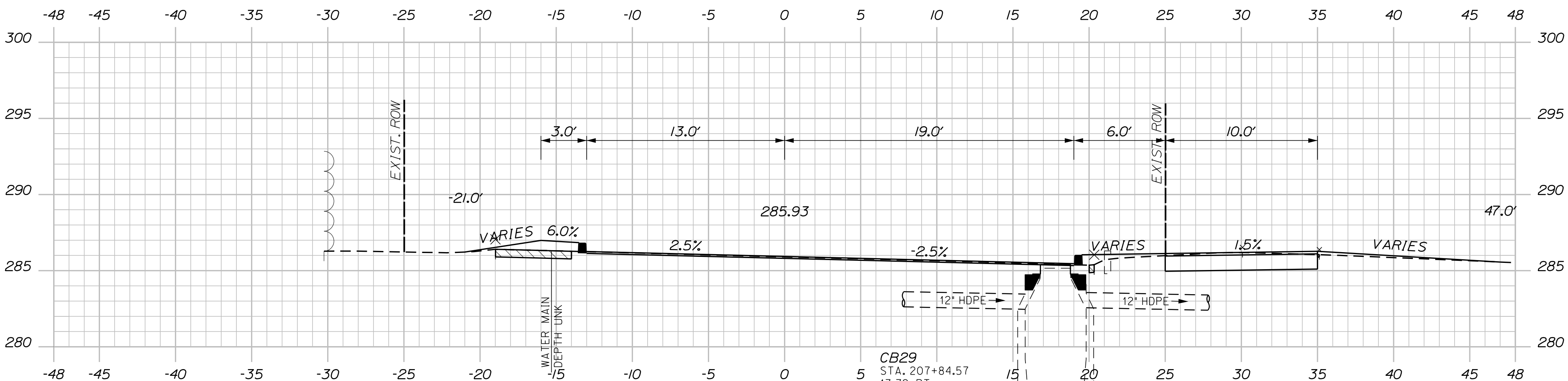
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



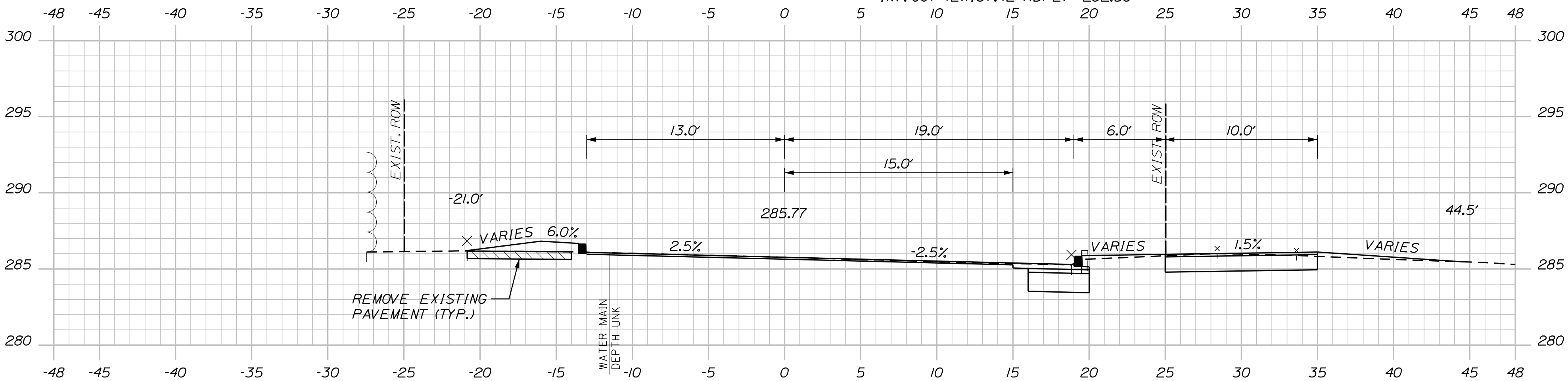
208+89.00
(RESIDENTIAL PAVED ENTRANCE)



208+50.00



208+00.00



207+50.00

STA. 207+50.00
END FULL DEPTH RECONSTRUCTION
BEGIN 1.5\"/>

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

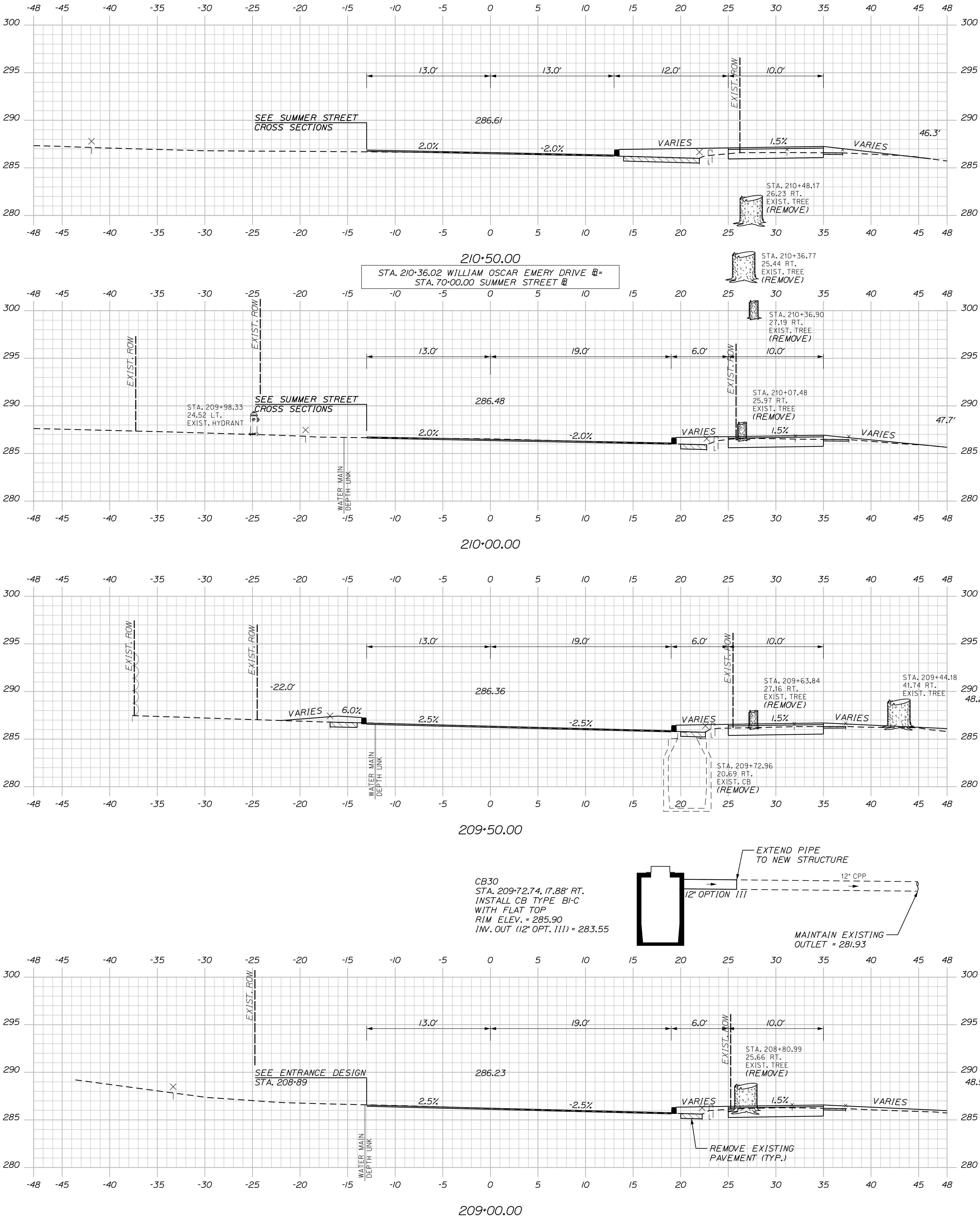
SHEET NUMBER

65

OF 106

Sta. 207+50.00 to Sta. 208+89.00

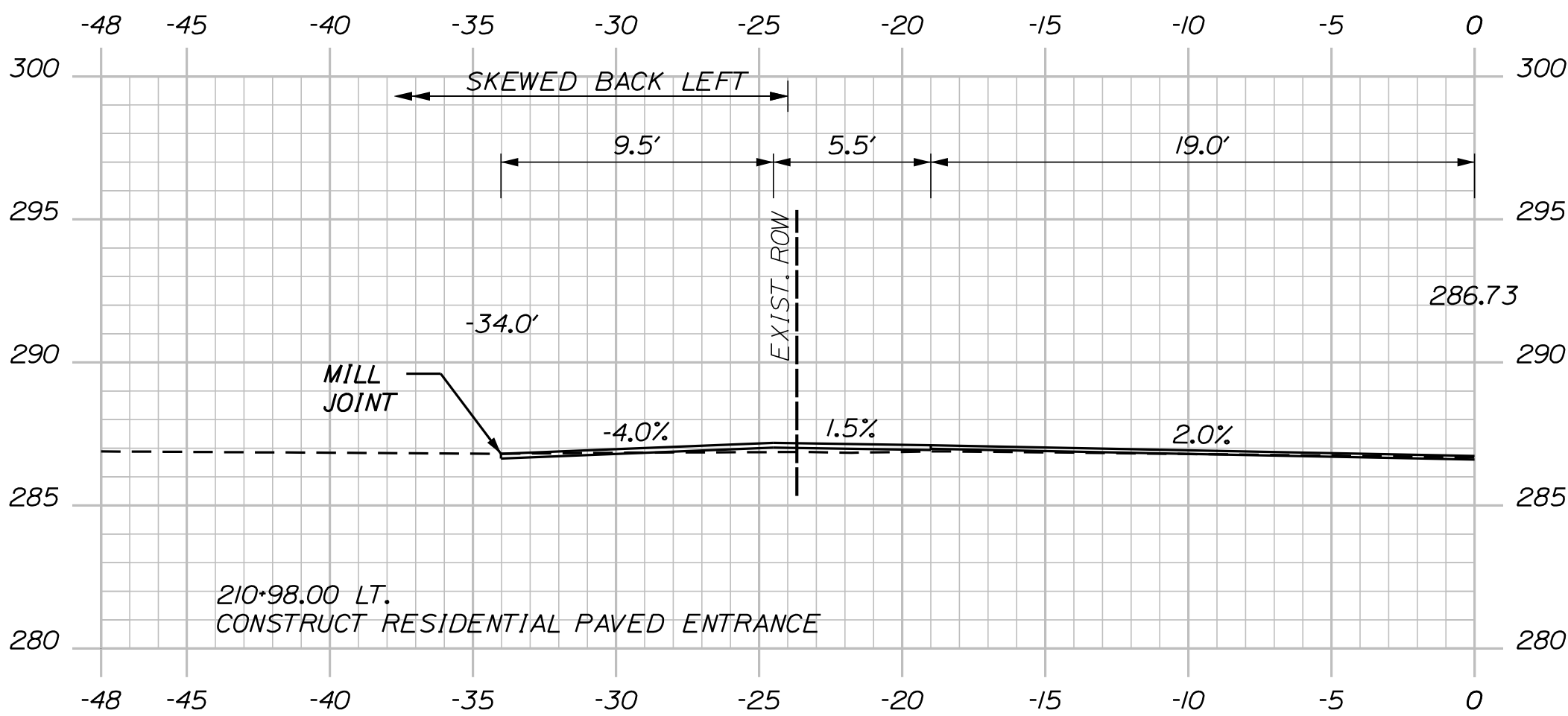
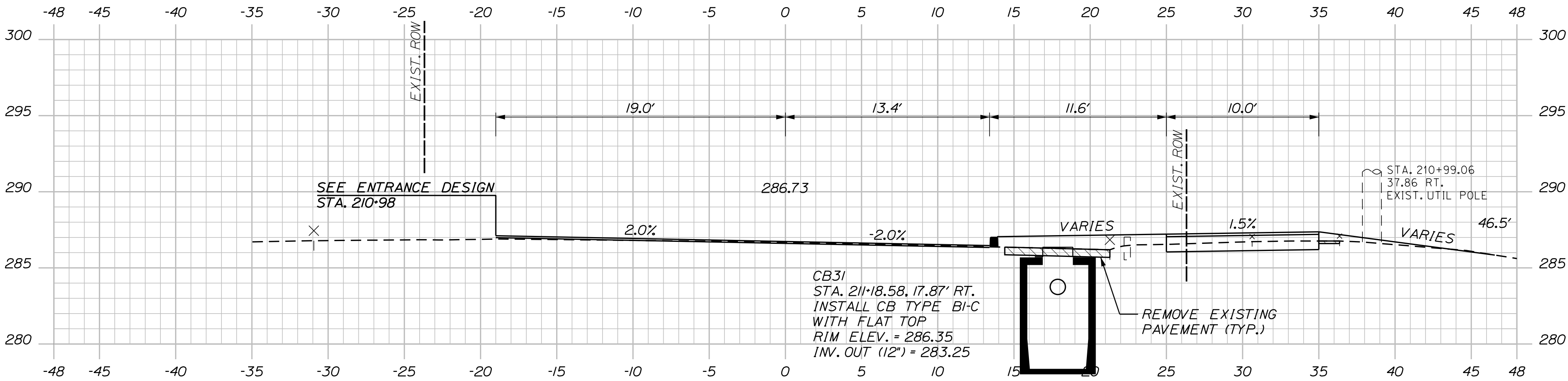
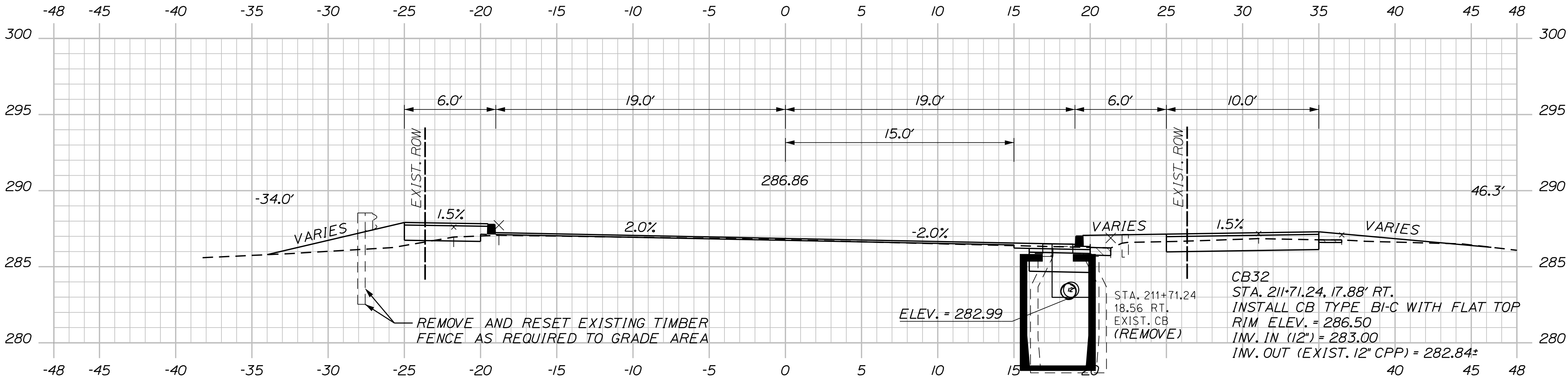
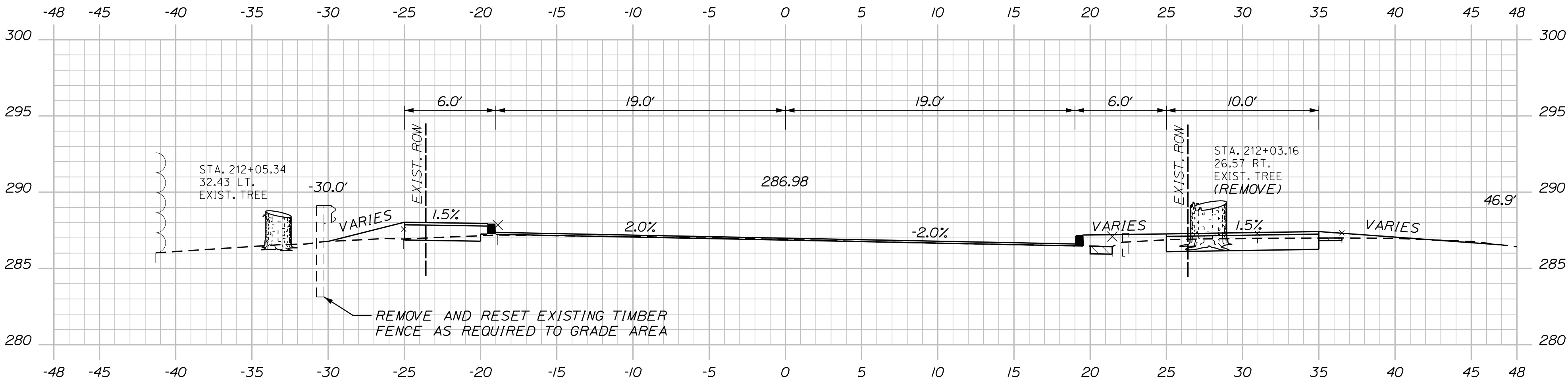
U:\\City of Sanford Maine\\3421.11\\William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 209+00.00 to Sta. 210+50.00

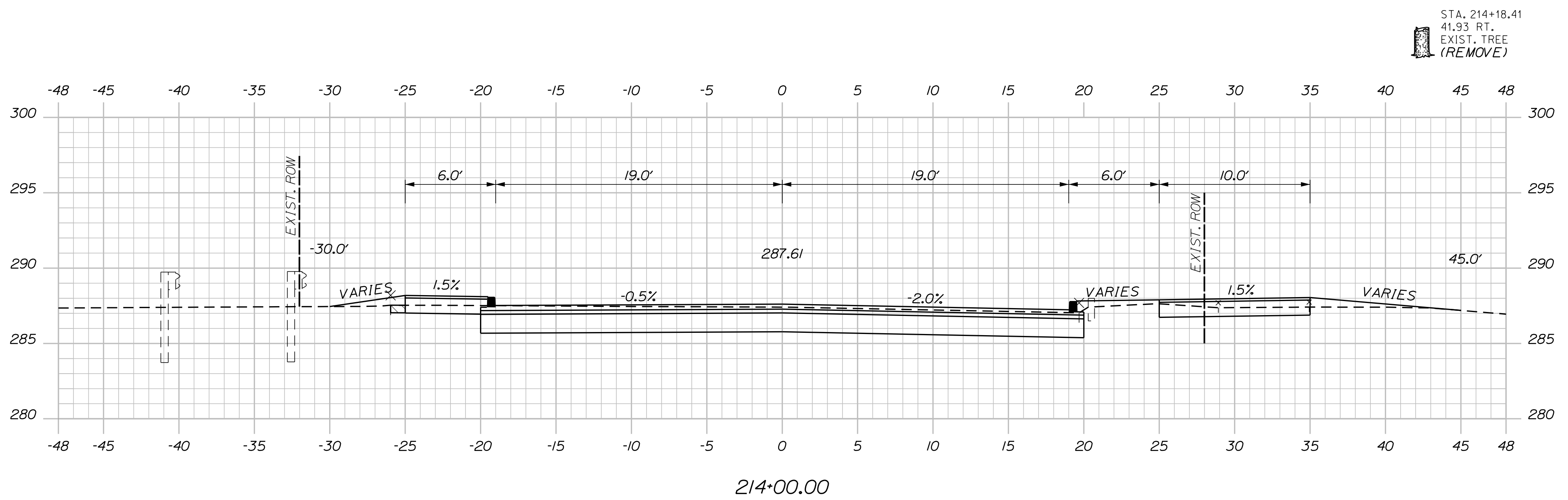
OF 106	66	SHEET NUMBER	SANFORD				PROJ. MANAGER				M. HILL		BY		DATE		CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			RIVERSIDE AVENUE AND				DESIGN-DETAILED				T. WARREN		M.CUNDIFF		09\25		
			WILLIAM OSCAR EMERY DRIVE				CHECKED-REVIEWED				J.WINCHENBACH		D. ETINGER		09\25		
							DESIGN2-DETAILED2				-		-		-		
							DESIGN3-DETAILED3				-		-		-		
							REVISIONS 1				-		-		-		
							REVISIONS 2				-		-		-		
							REVISIONS 3				-		-		-		
							REVISIONS 4				-		-		-		
							FIELD CHANGES				-		-		-		
CROSS SECTIONS												SIGNATURE					
												P.E. NUMBER					
												DATE					
												WIN 025335.00					

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

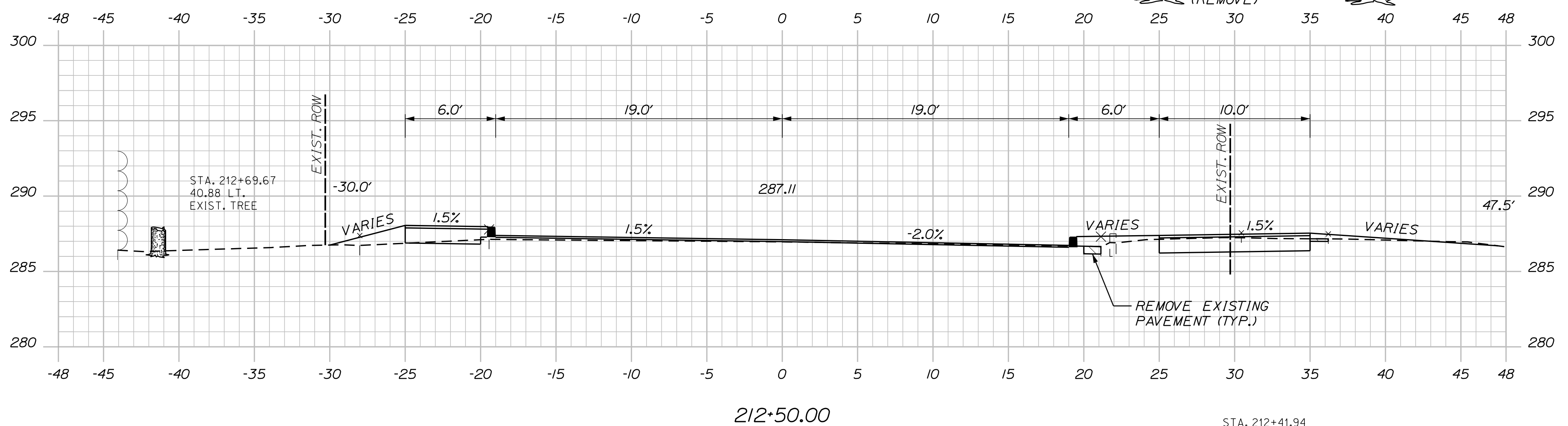
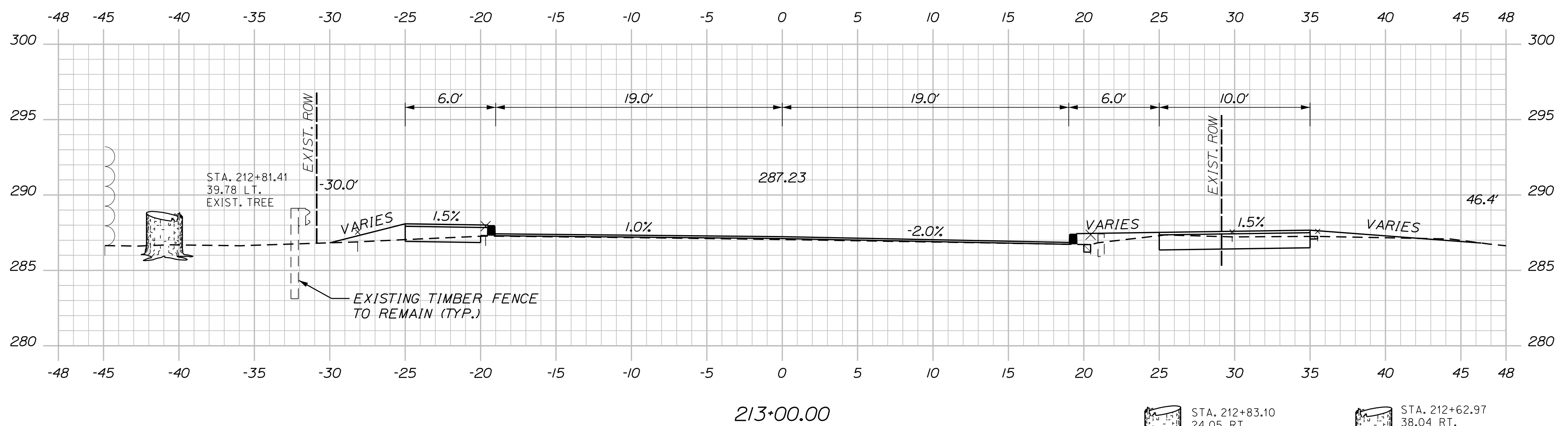
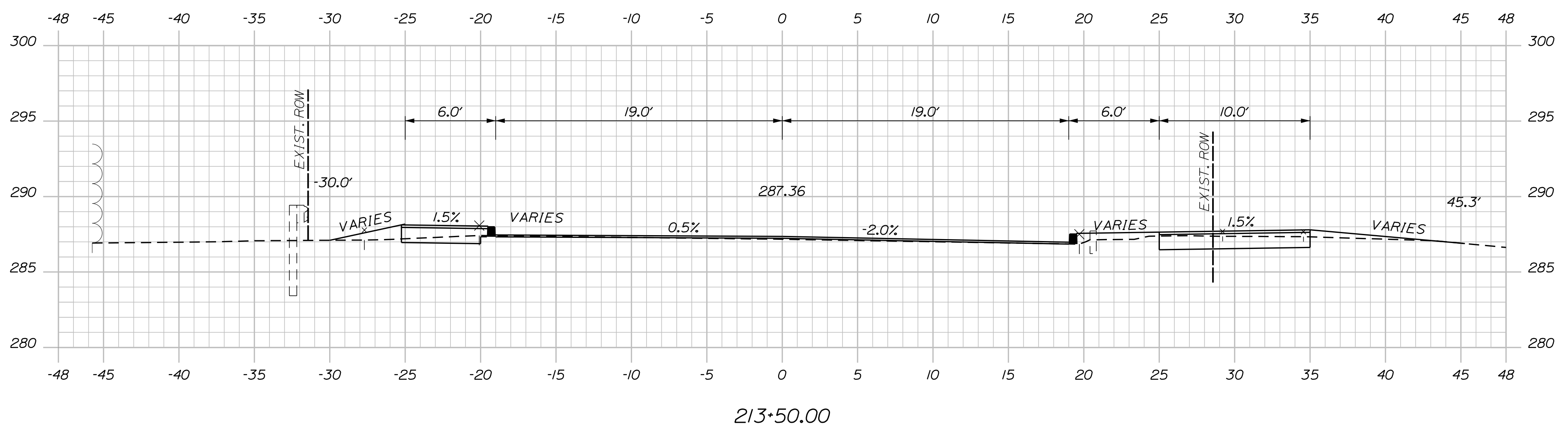


Sta. 210+98.00 to Sta. 212+00.00

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



STA. 213+75.00
END 1.5" HMA PAVEMENT OVERLAY
WITH VARIABLE DEPTH PAVEMENT
MILL AND SHIM
BEGIN FULL DEPTH RECONSTRUCTION



Sta. 212+50.00 to Sta. 214+00.00

OF 106

98

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	—	—	—
DESIGN3-DETAILED3	—	—	—
REVISIONS 1	—	—	—
REVISIONS 2	—	—	—
REVISIONS 3	—	—	—
REVISIONS 4	—	—	—
FIELD CHANGES	—	—	—

SIGNATURE

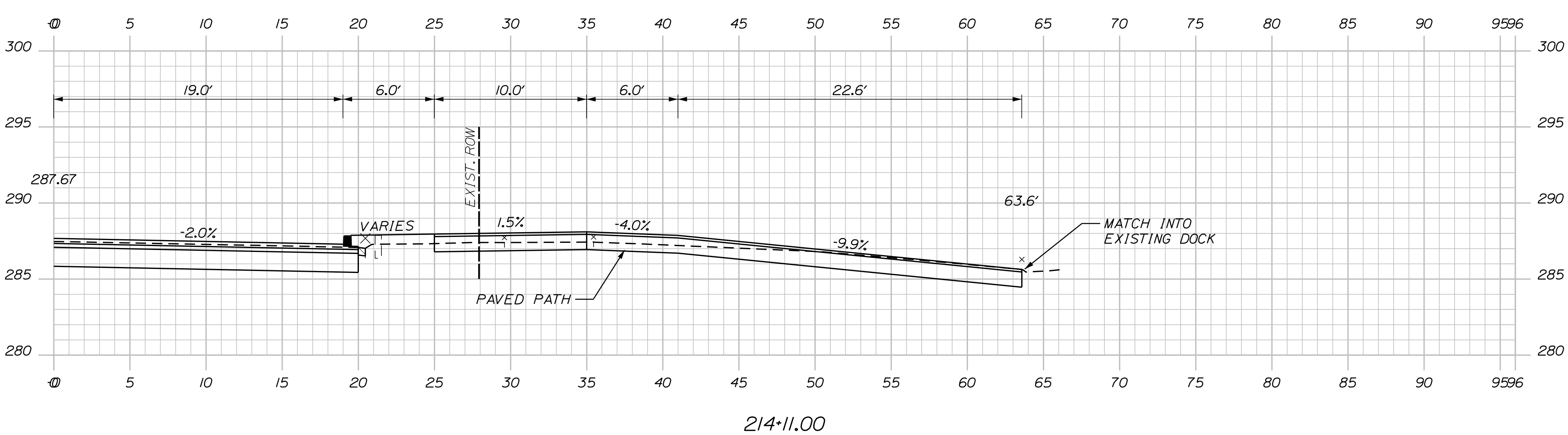
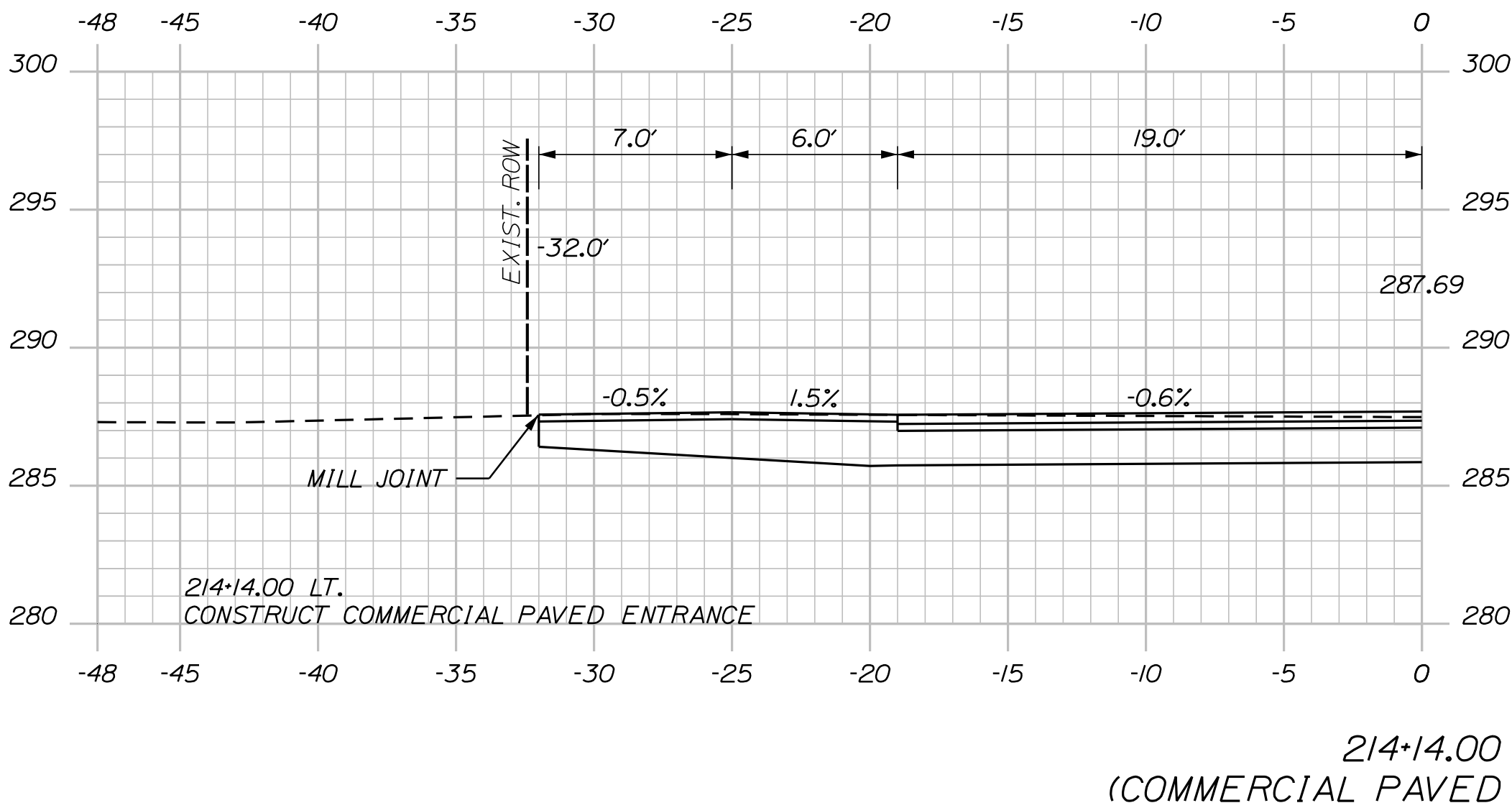
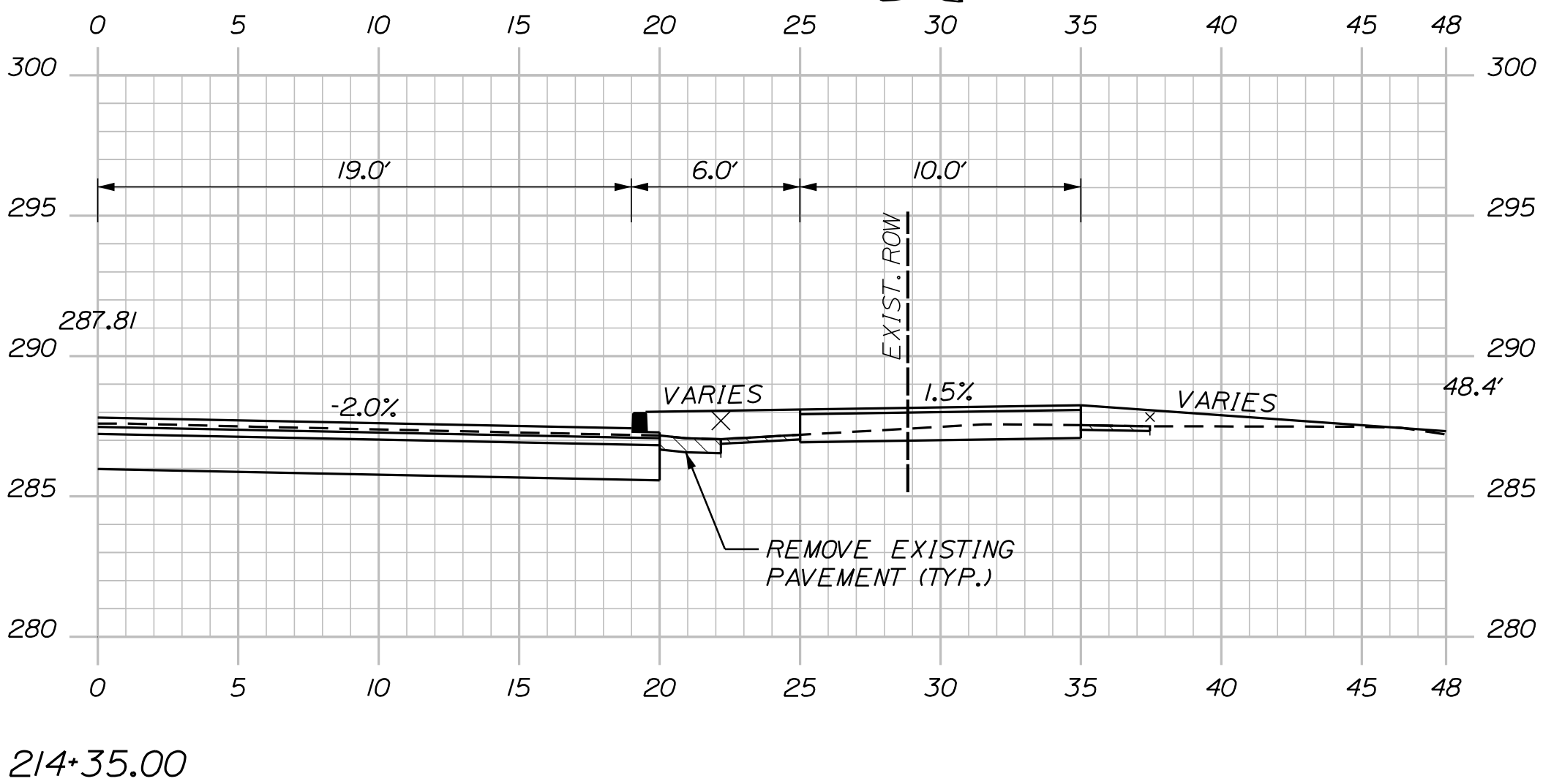
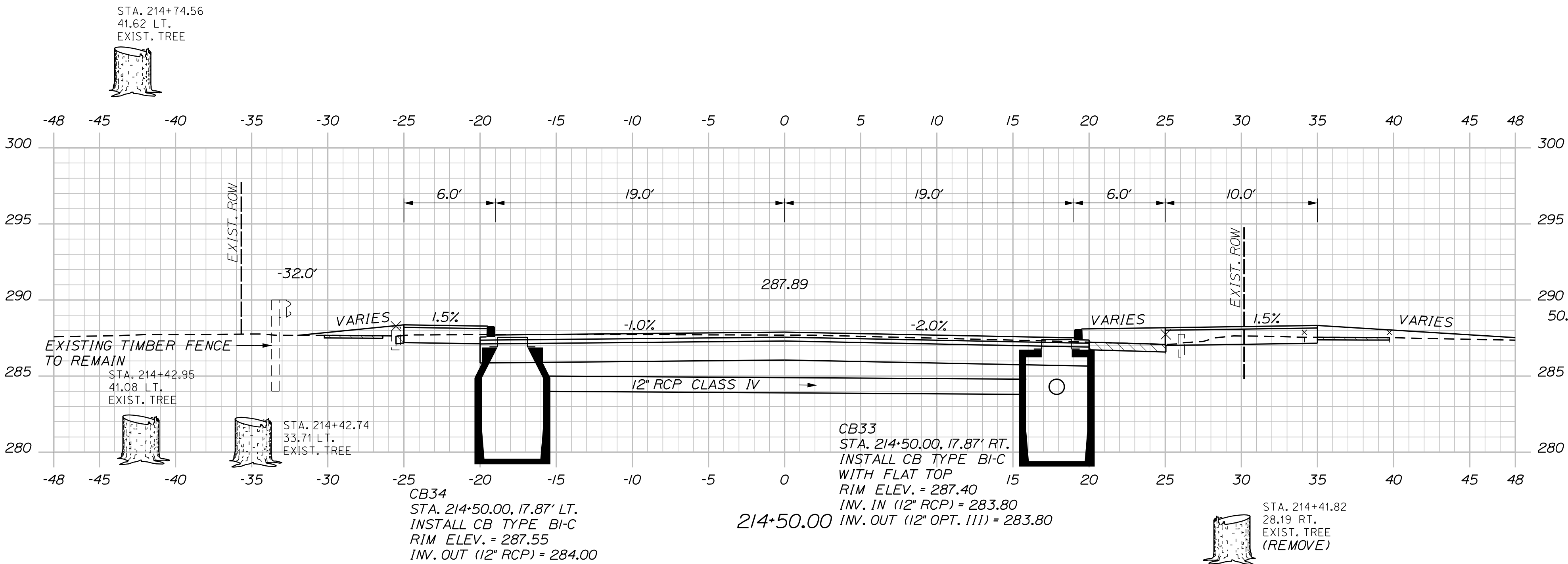
P.E. NUMBER

DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

U:\\City of Sanford Maine\\3421.11\\William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

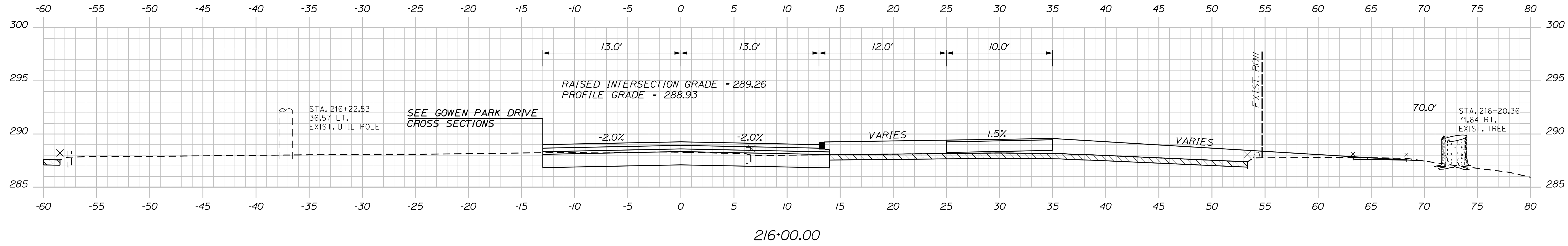


Sta. 214+11.00 to Sta. 214+50.00

69	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER M. HILL				SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25		
			DESIGN2-DETAILED2	-	-	-		
OF 106	CROSS SECTIONS		DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	DATE
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-	WIN	025335.00
			FIELD CHANGES	-	-	-		

Filename: ... \Z - CAD\00\Highway\Xsect.dgn Division: HIGHWAY

1



PROJ. MANAGER	M. HELL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. GUNDF	09.25
CHECKED-REVIEWED	J. JINNINGBACH	D. ETTINGER	09.25
DESIGN-DETAILED2	-	-	-
DESIGNS-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

70

OF 106

CROSS SECTIONS

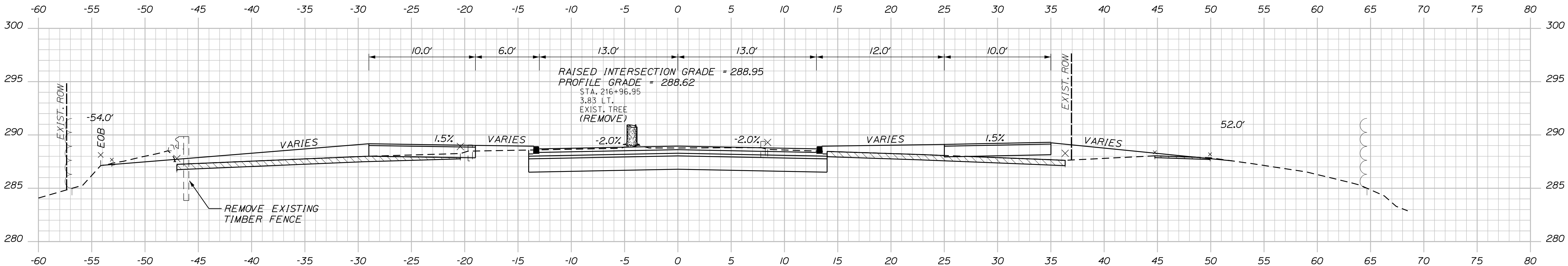
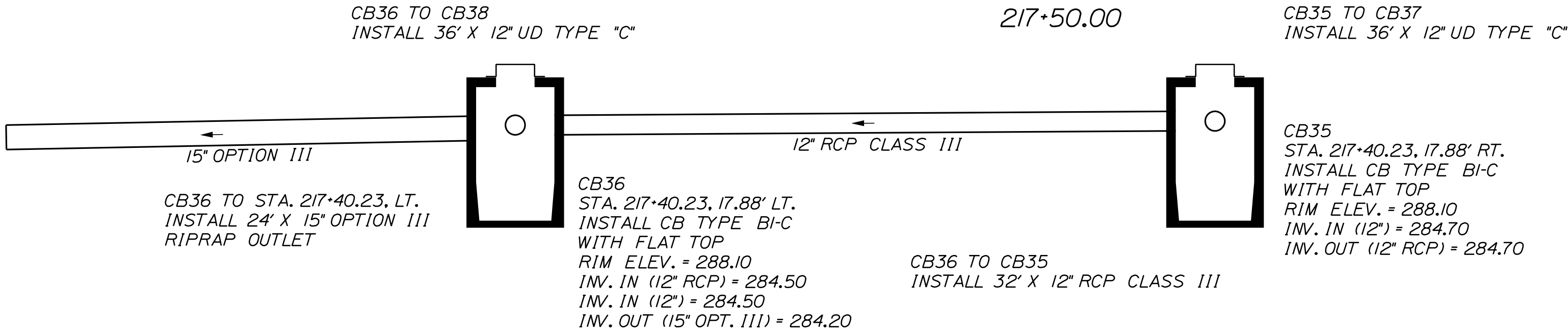
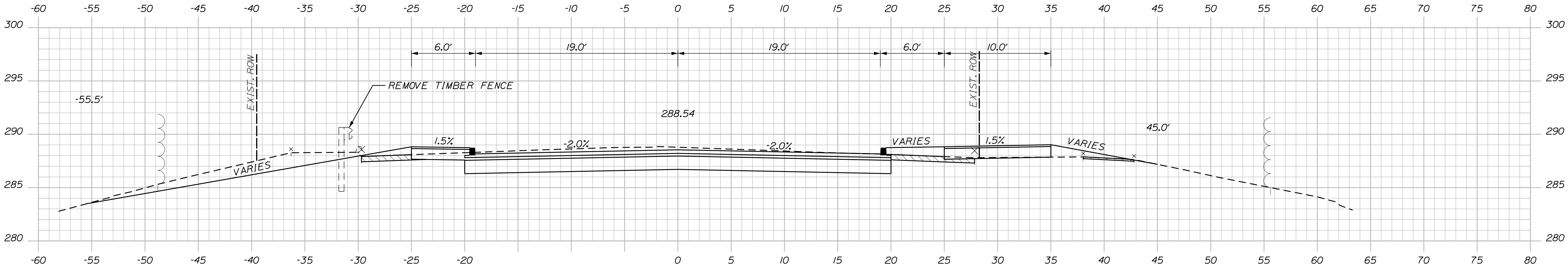
Date:9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

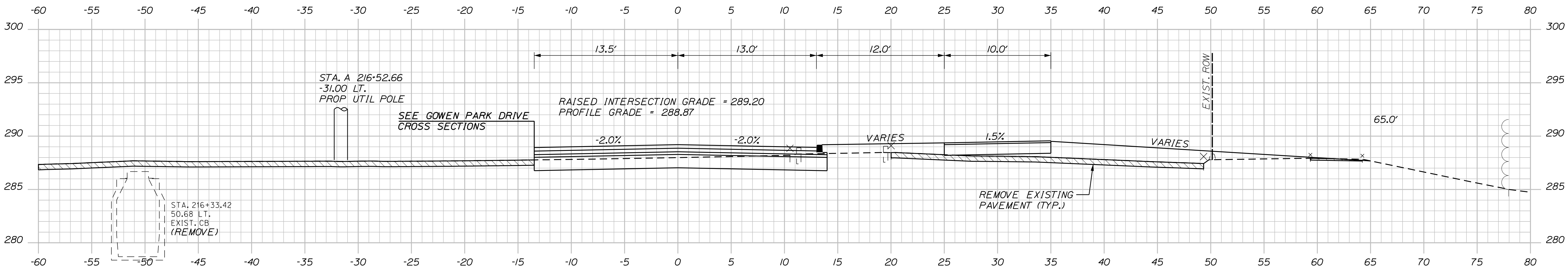
Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\City of Sanford Maine\3421.11_Willam Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



STA. 216+81.28
14.73 LT.
EXIST. TREE
(REMOVE)

STA. 216+77.67
0.37 RT.
EXIST. TREE
(REMOVE)



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE
M. HILL	M. CUNDIFF	09/25	
CHECKED-REVIEWED	T. WARREN	09/25	
DESIGNED-DETAILED	J. WILHELM		
DESIGNED-DETAILED	D. ETINGER		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

71

OF 106

Sta. 216+50.00 to Sta. 217+50.00

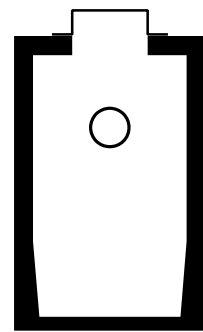
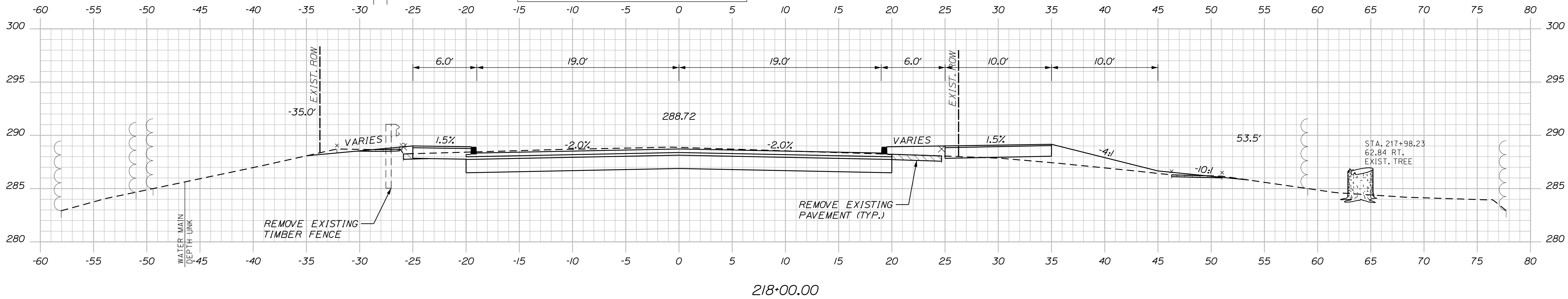
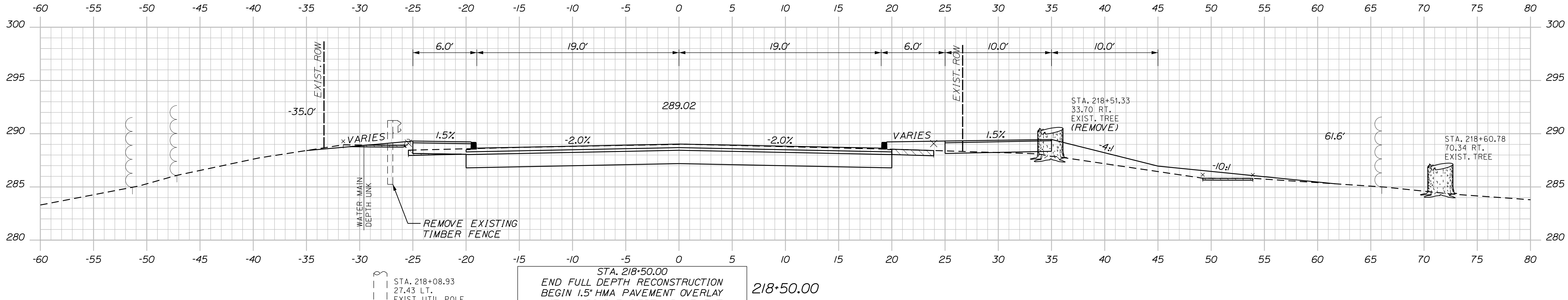
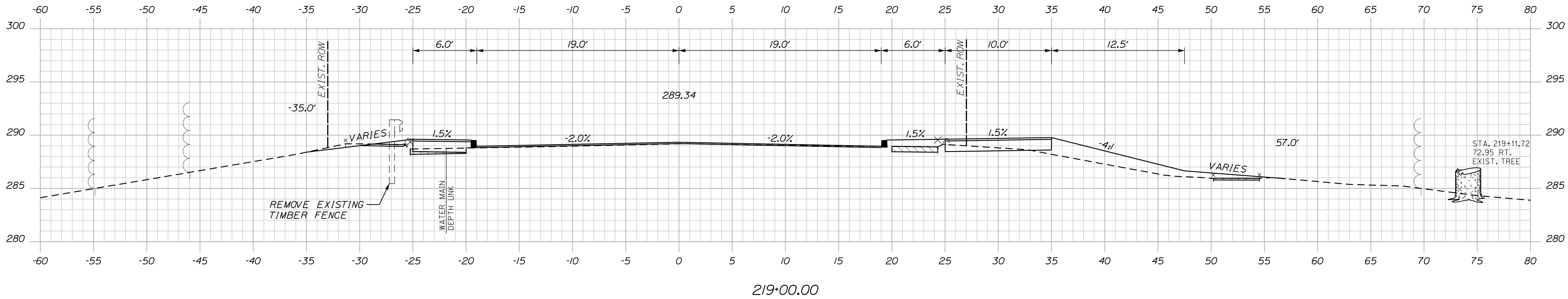
Date:9/26/2025

Username: Mike.Cundiff

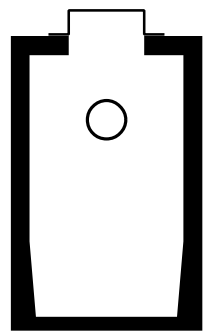
Division: HIGHWAY

Filenam: ...Z - CAD\00\Highway\Xsect.dgn

U:\City of Sanford Maine\3421.11_Willam Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



CB38
STA. 217+80.00, 17.88' LT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 288.20
INV. OUT (12') = 284.65



CB37
STA. 217+80.00, 17.88' RT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 288.20
INV. OUT (12') = 284.85

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE
T. WARREN	M. CUNDIFF	09/25	
CHECKED/REVIEWED	J. WILHELM	09/25	
DESIGNED/DETAILED	D. ETINGER		
DESIGNED/DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

72

OF 106

Sta. 218+00.00 to Sta. 219+00.00

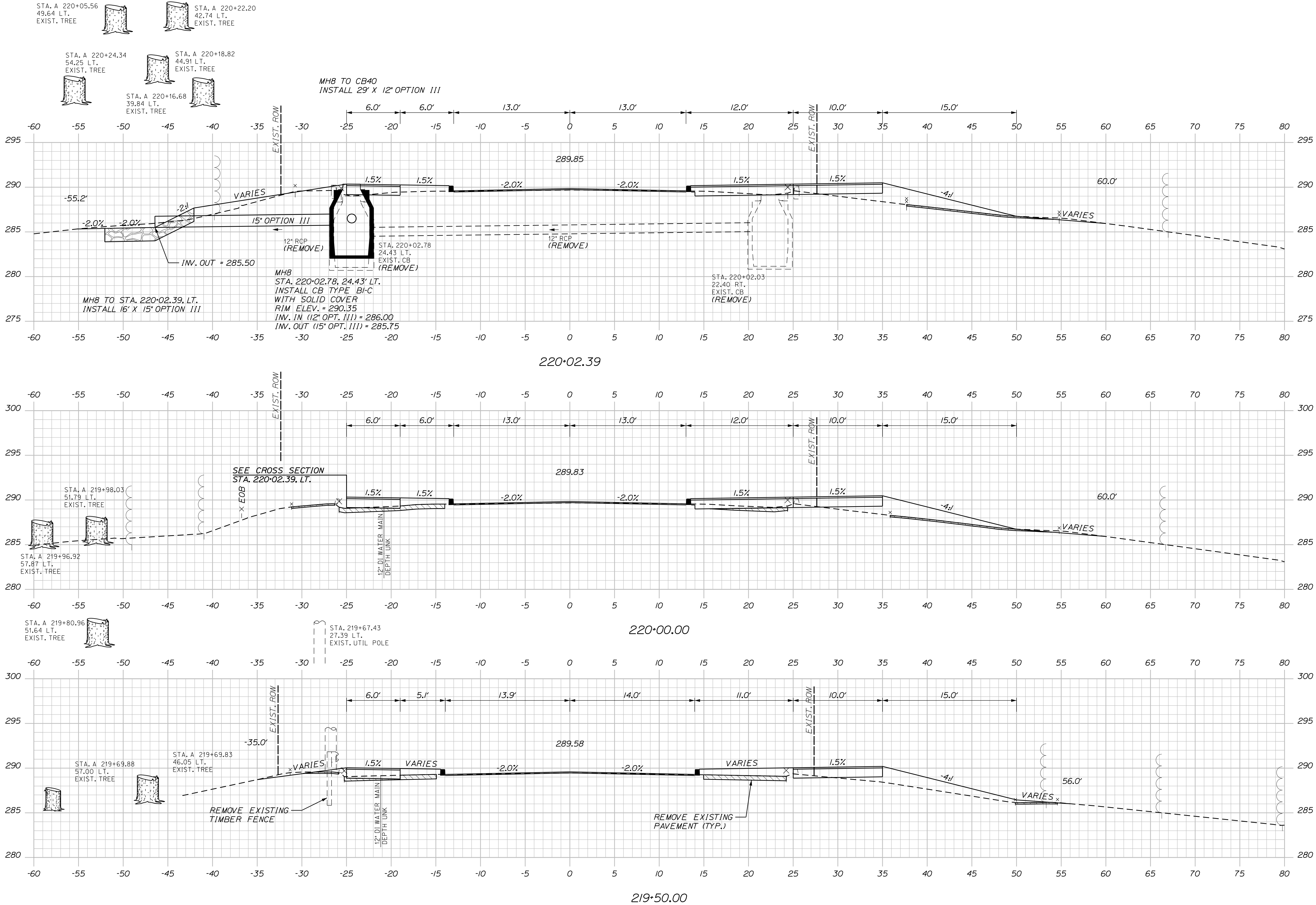
Date:9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN-DETAILED	M. HILL	09/25	
CHECKED-REVIEWED	T. WARREN	09/25	
DESIGN-DETAILED	M. CUNDIFF	09/25	
DESIGN-DETAILED	D. ETINGER	09/25	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

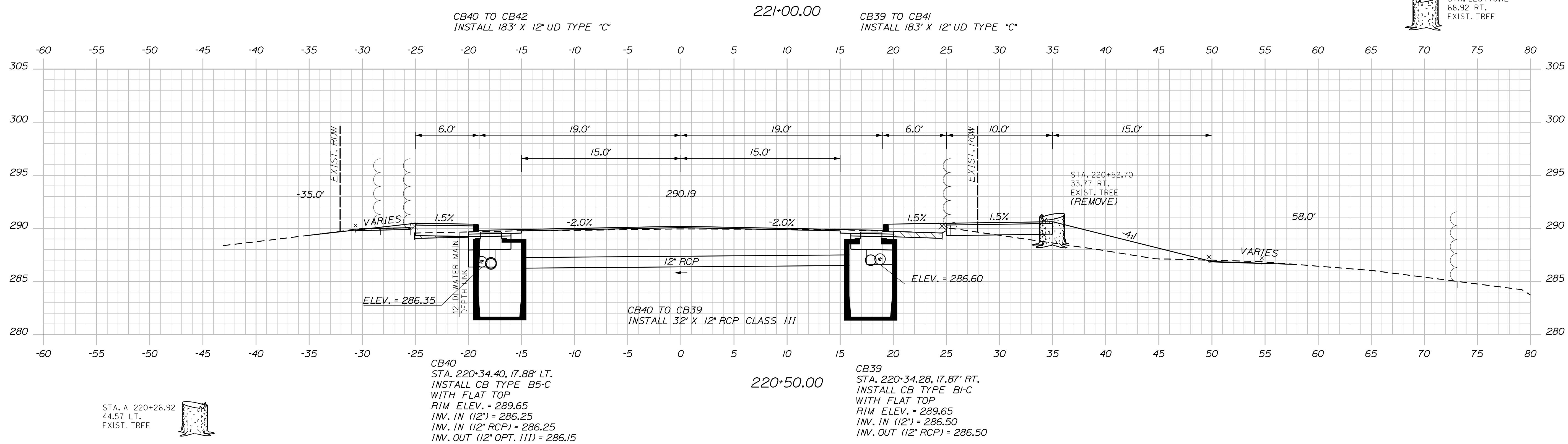
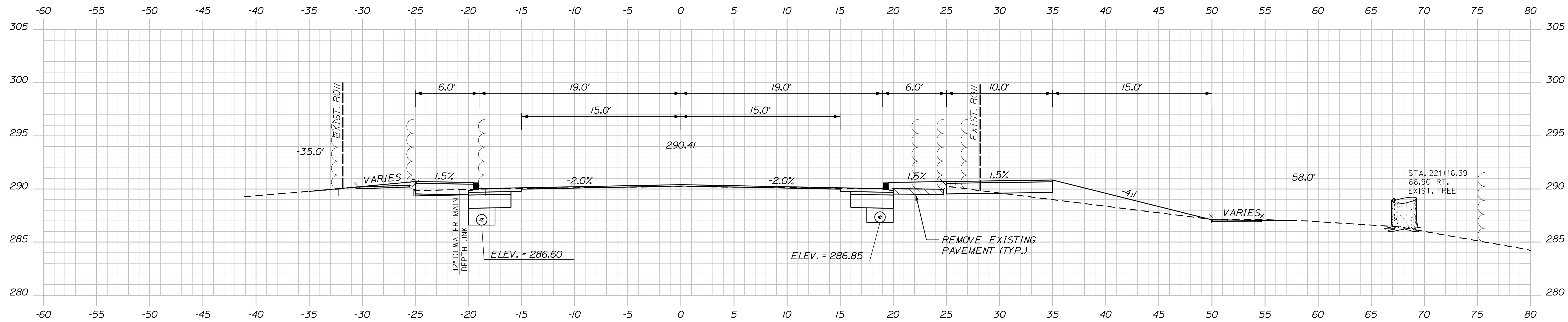
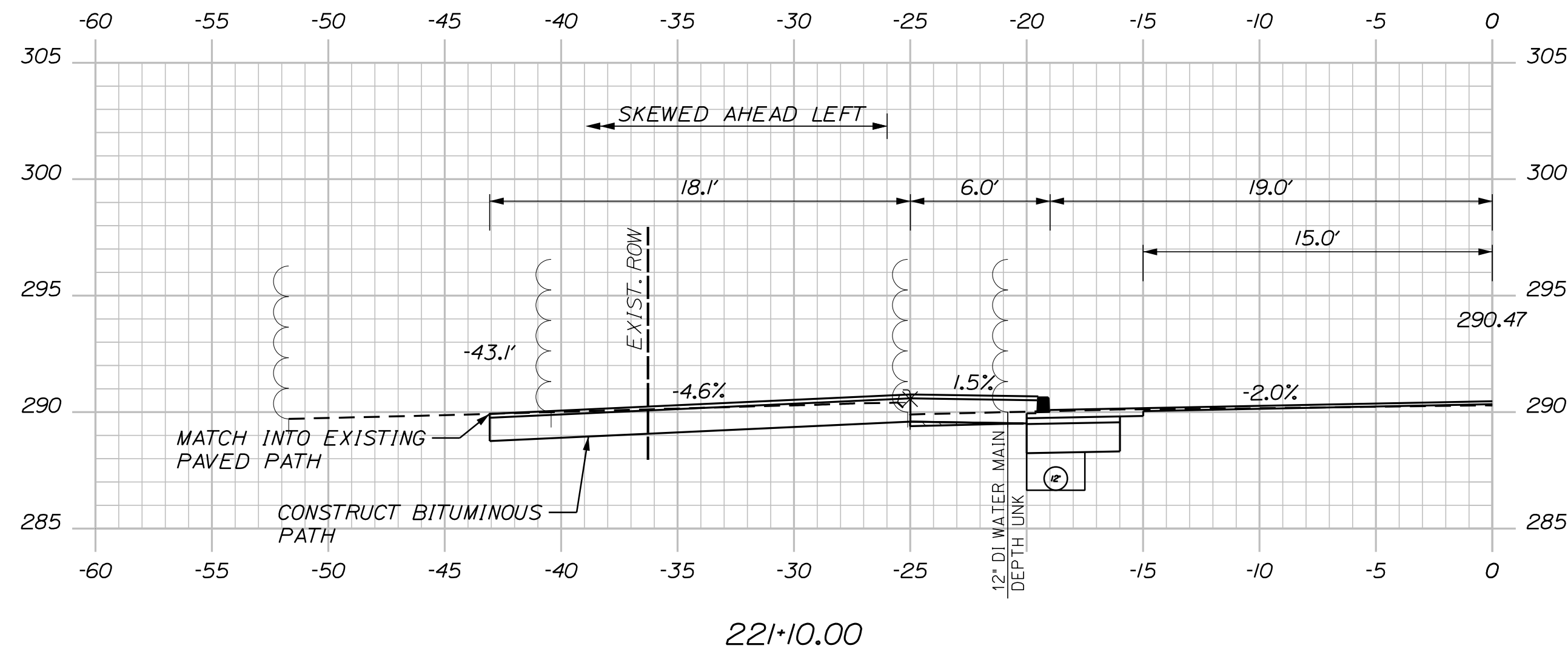
CROSS SECTIONS

SHEET NUMBER

73

OF 106

Sta. 219+50.00 to Sta. 220+02.39



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNIFFE	09/25
CHECKED-REVIEWED	J. MUNDERGACH	D. EITINGER	09/25
DESIGNZ-DETAILED2	-	-	-
DESIGNZ-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-
P.E. NUMBER			
DATE			

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CROSS SECTIONS

CROSS SECTIONS

SHEET NUMBER

74

OF 106

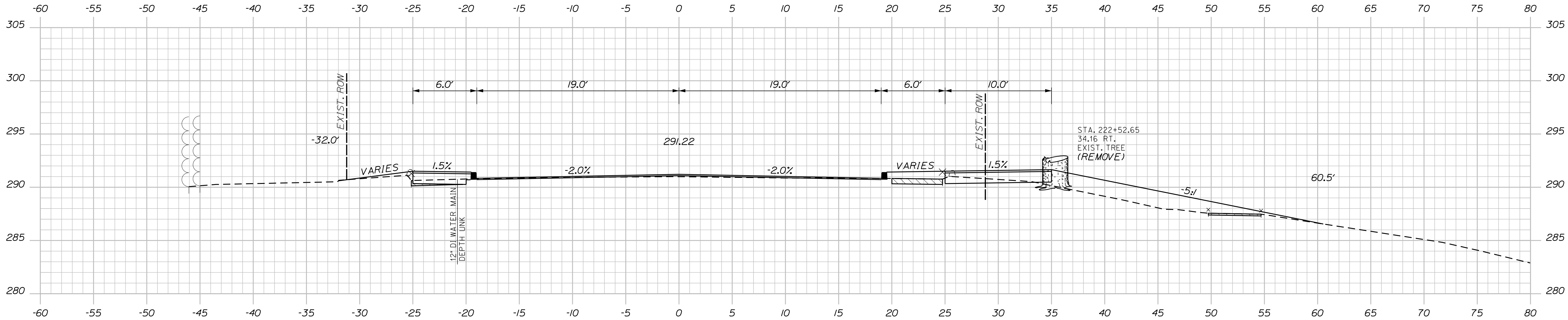
Date:9/26/2025

Username: Mike.Cundiff

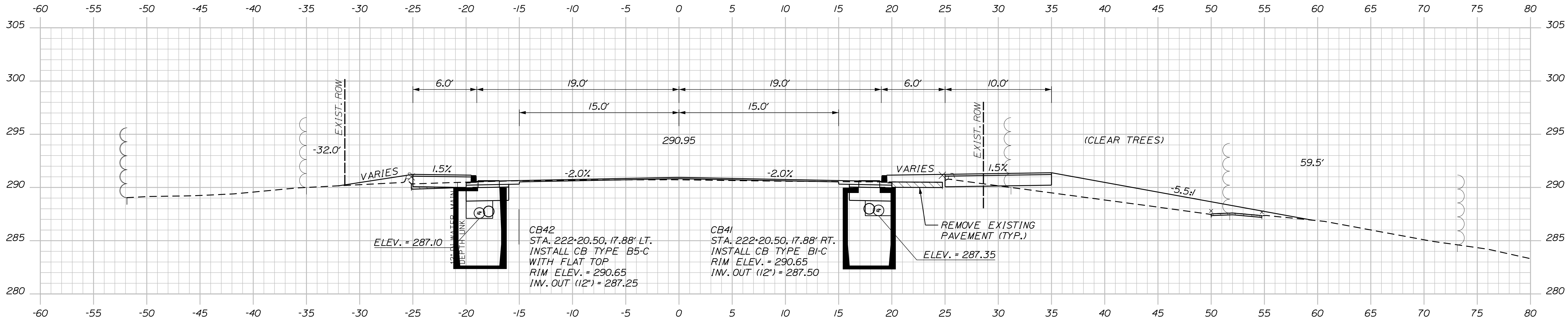
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

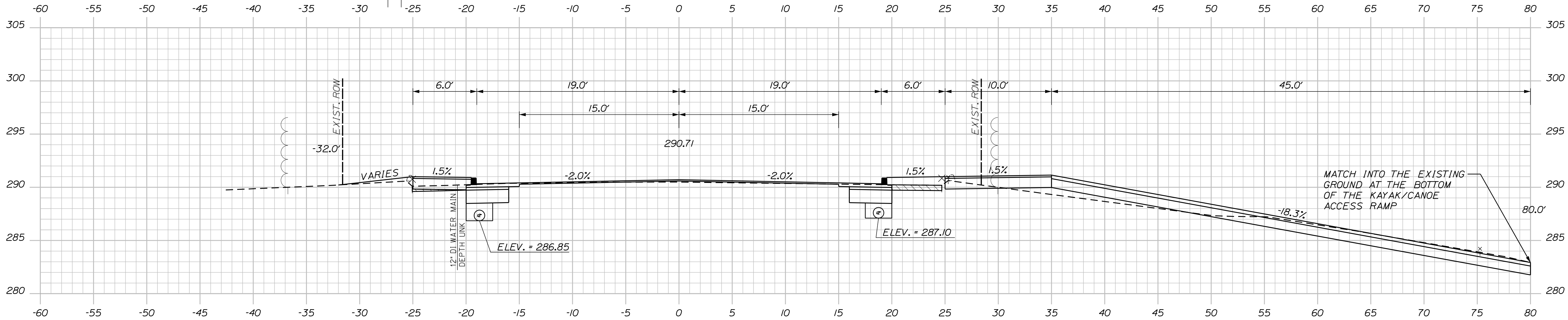
U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



222+50.00



222+00.00



221+50.00

Sta. 221+50.00 to Sta. 222+50.00

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
CHECKED-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WILSON	D. ETINGER	09/25
DESIGN-DETAILED	-	-	-
DESIGN-REVIEWED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

75

OF 106

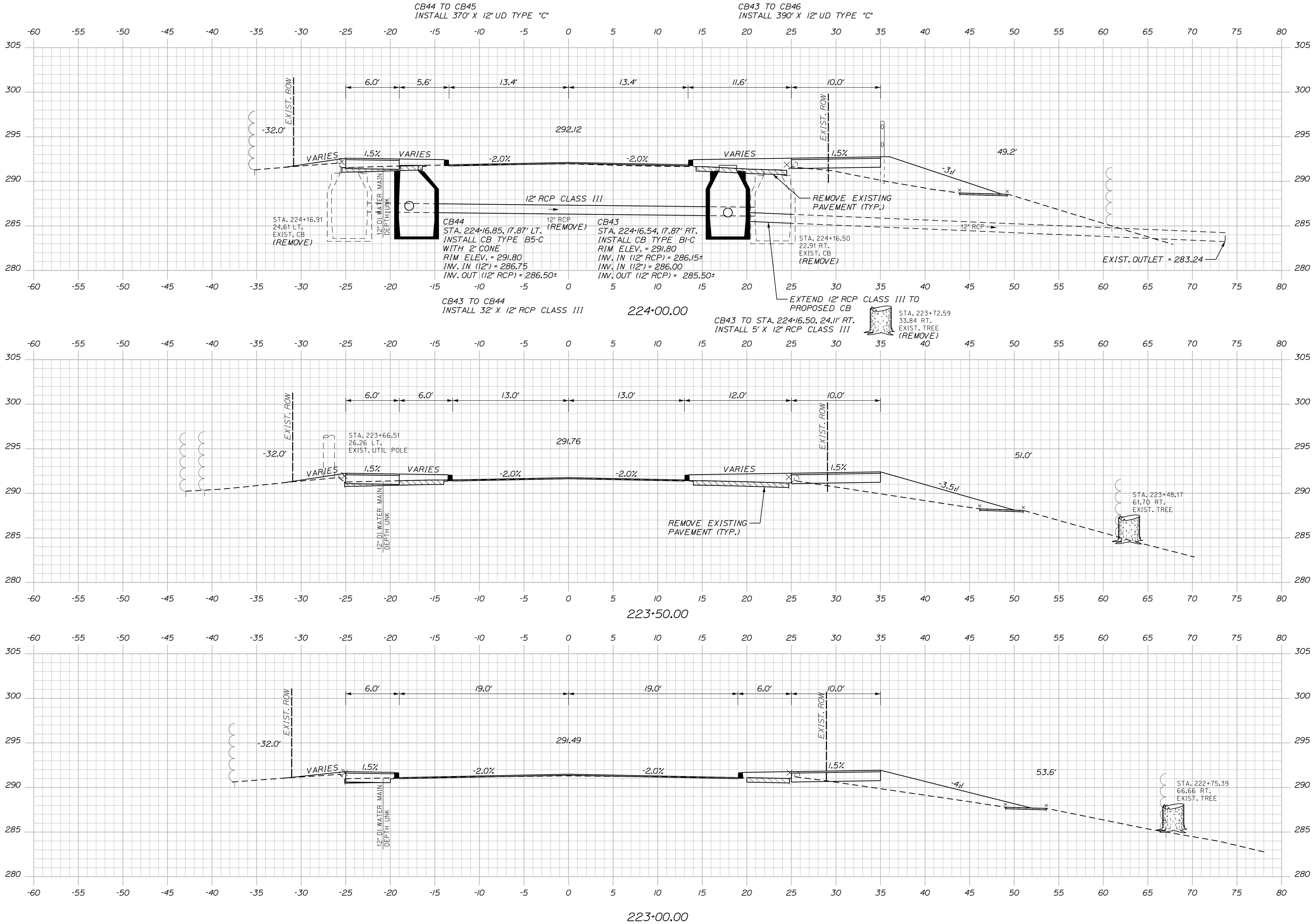
Date:9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\City of Sanford Maine\34211\William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WILSON	D. ETINGER	09/25
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

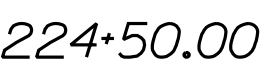
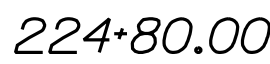
CROSS SECTIONS

SHEET NUMBER

76

OF 106

Sta. 223+00.00 to Sta. 224+00.00



WIN
025335.00

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CROSS SECTIONS

SHEET NUMBER

77

OF 106

Sta. 224+50.00 to Sta. 224+83.00

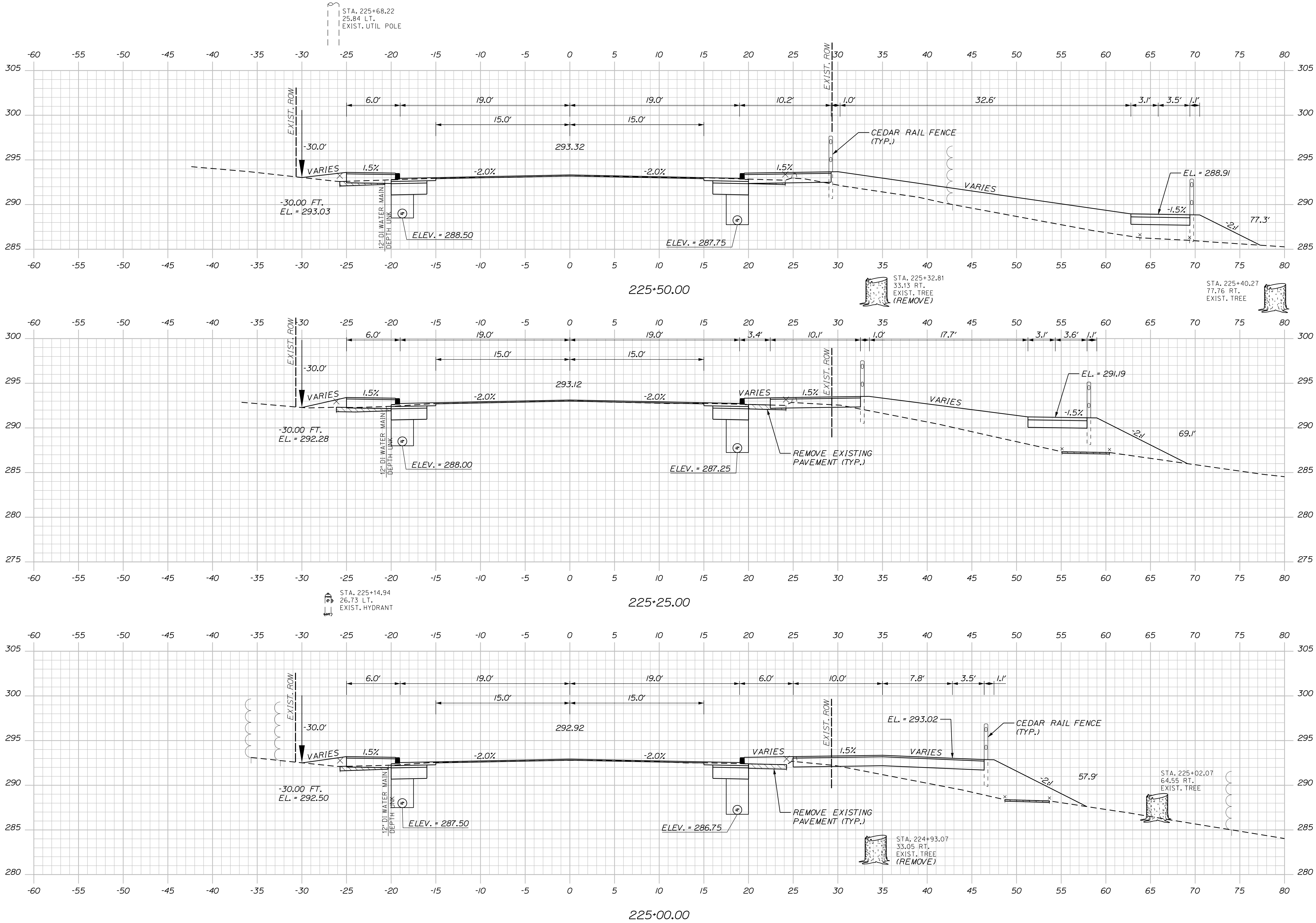
Date:9/26/2025

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\City of Sanford Maine\34211\William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE
DESIGN-DETAILED	09/25	M. HILL	09/25	
CHECKED-REVIEWED		T. WARREN		
DESIGN-DETAILED		M. CUNDIFF		
DESIGN-DETAILED		D. ETINGER		
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

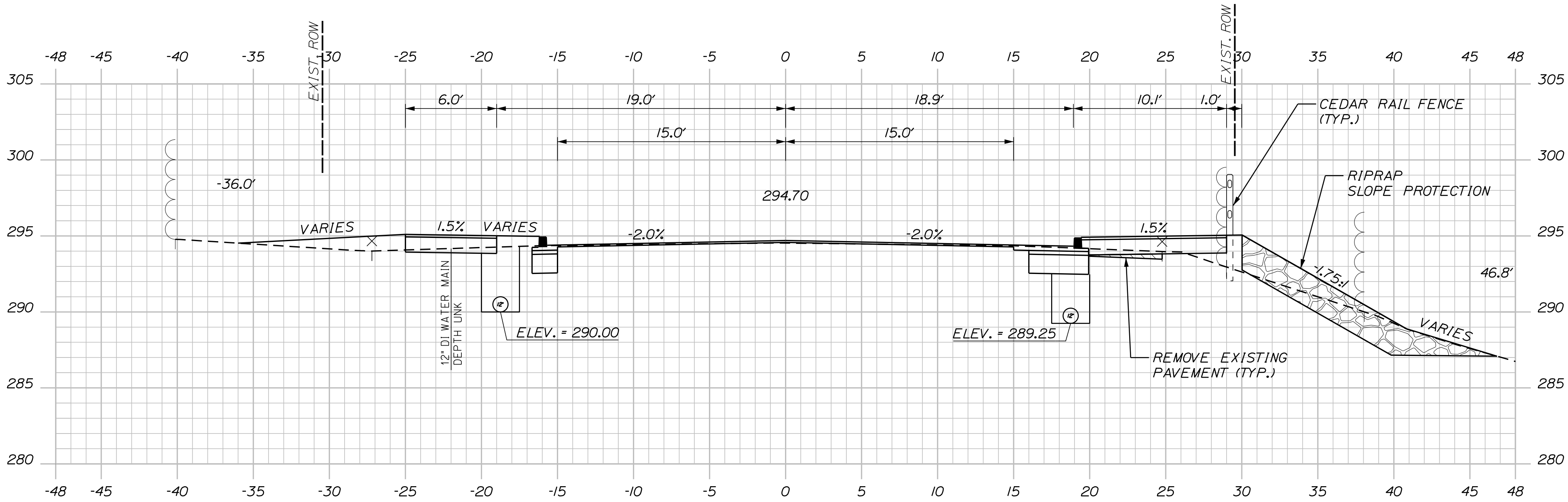
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78

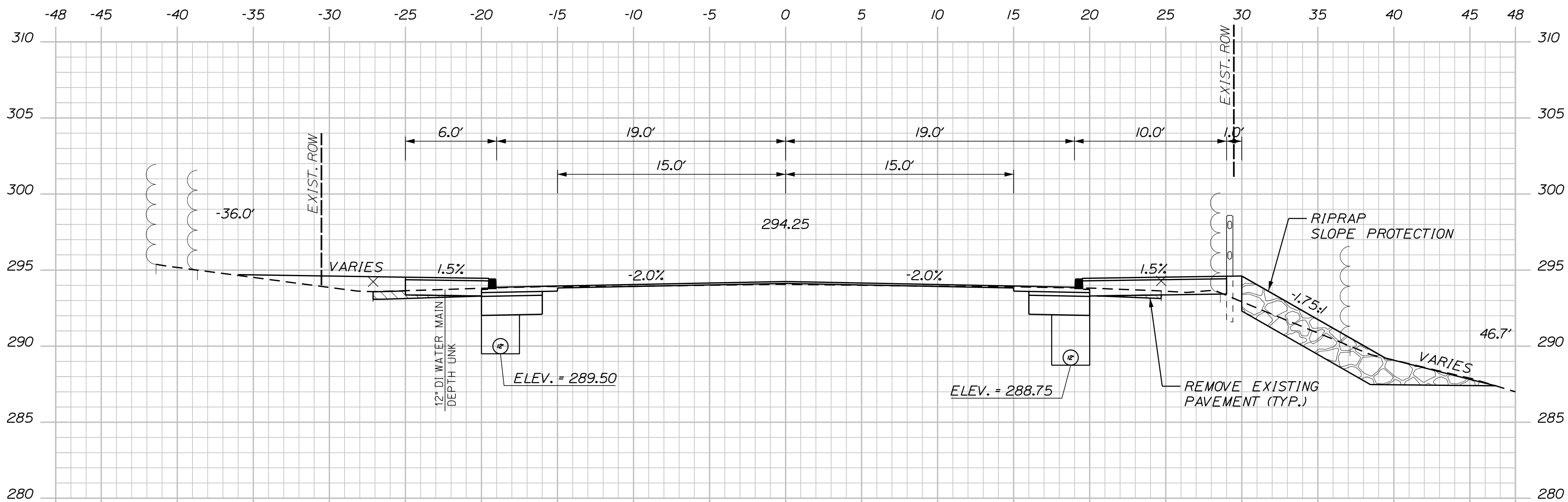
OF 106

Sta. 225+00.00 to Sta. 225+50.00

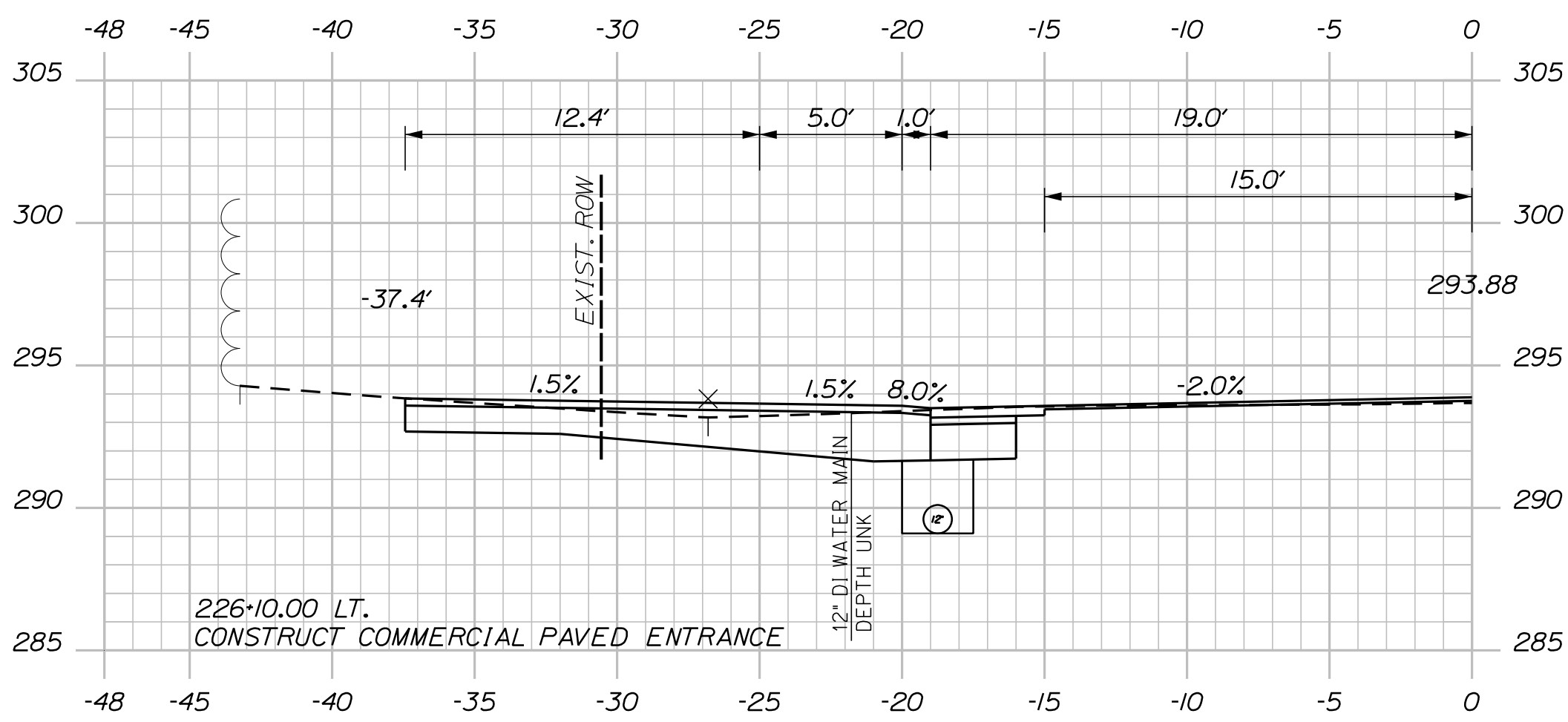
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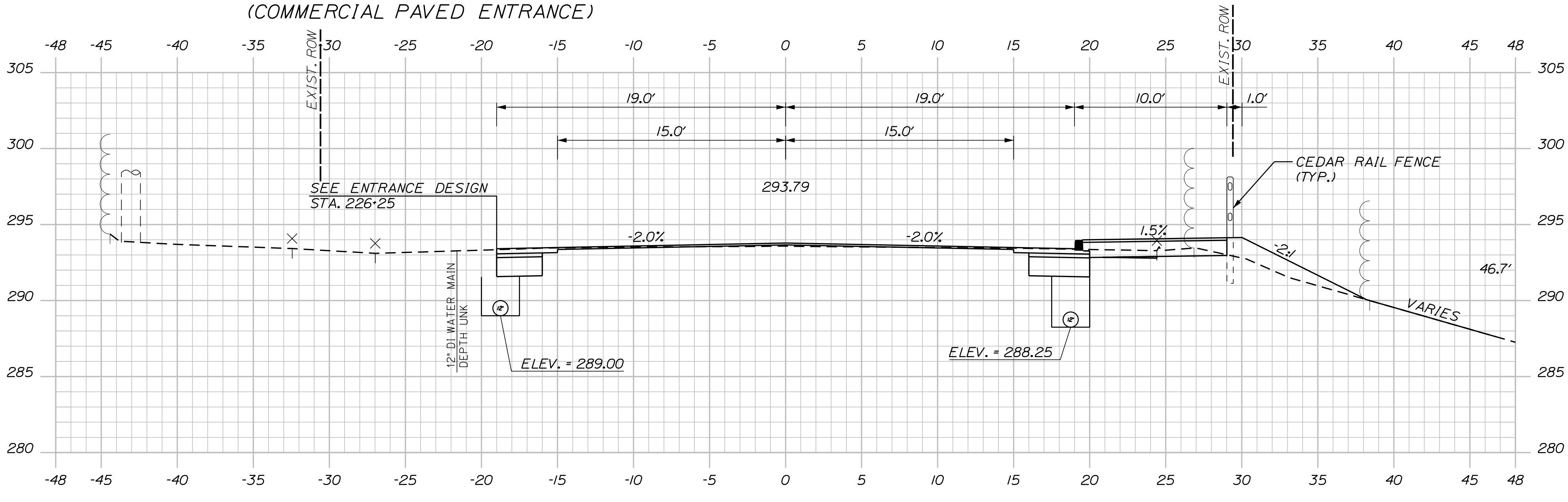
227+00.00



226+50.00



226+10.00
(COMMERCIAL PAVED ENTRANCE)

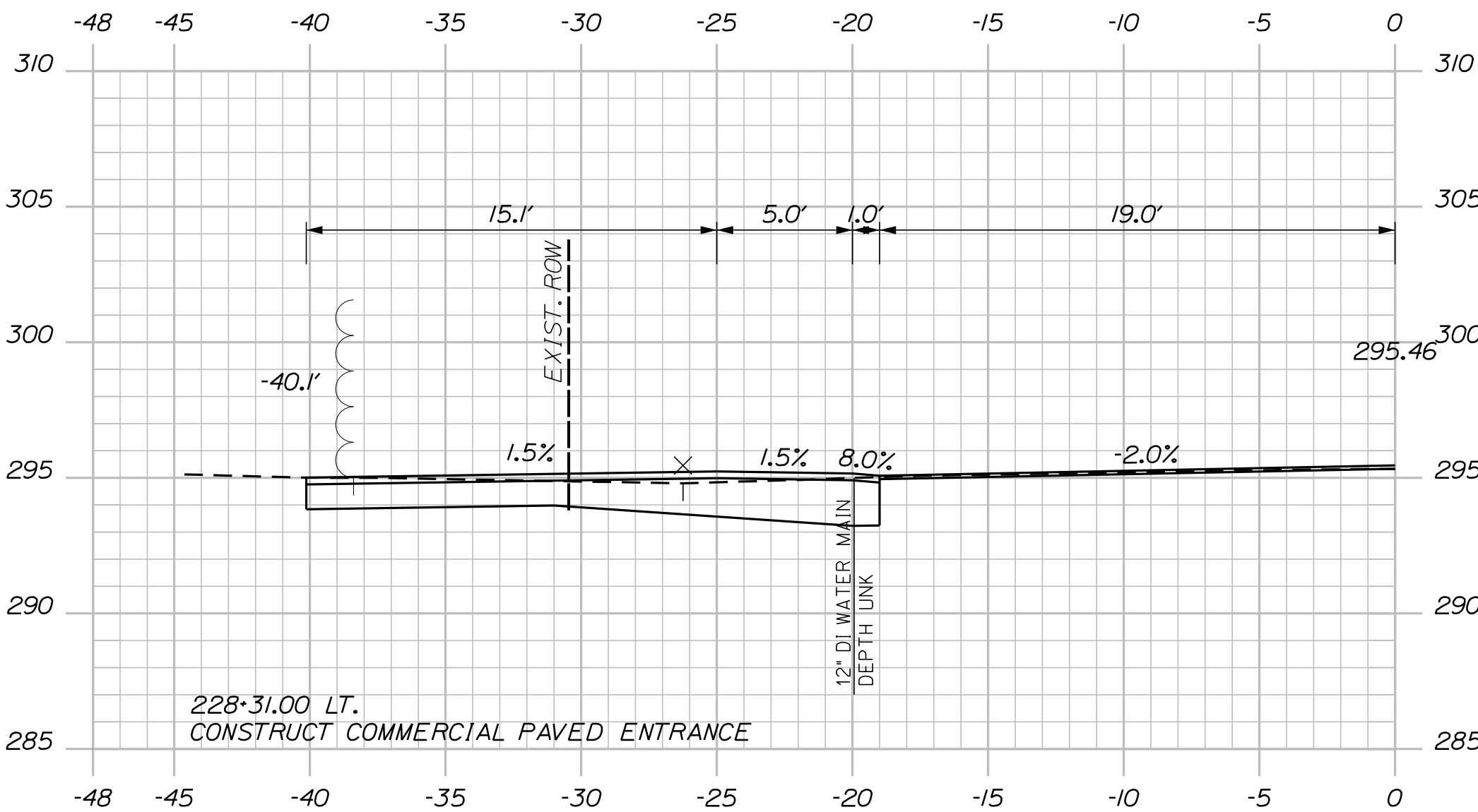


226+00.00

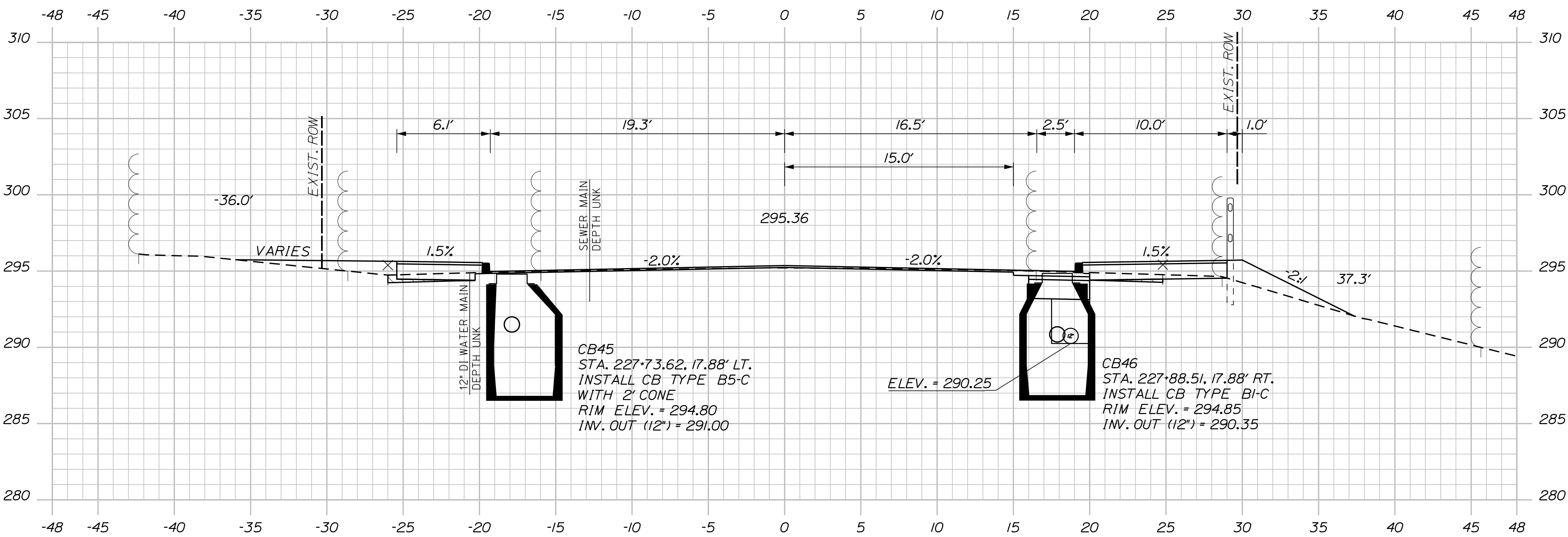
Sta. 226+00.00 to Sta. 227+00.00

79 OF 106	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER				M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED		T. WARREN		M.CUNDIFF		09\25		
			CHECKED-REVIEWED		J.WINCHENBACH		D. ETTINGER		09\25		
			DESIGN2-DETAILED2		--		--		--		
			DESIGN3-DETAILED3		--		--		--		
	CROSS SECTIONS		REVISIONS 1				--		--	P.E. NUMBER	
			REVISIONS 2				--		--		
			REVISIONS 3				--		--		
			REVISIONS 4				--		--		
			FIELD CHANGES				--		--		
DATE											
WIN 025335.00											

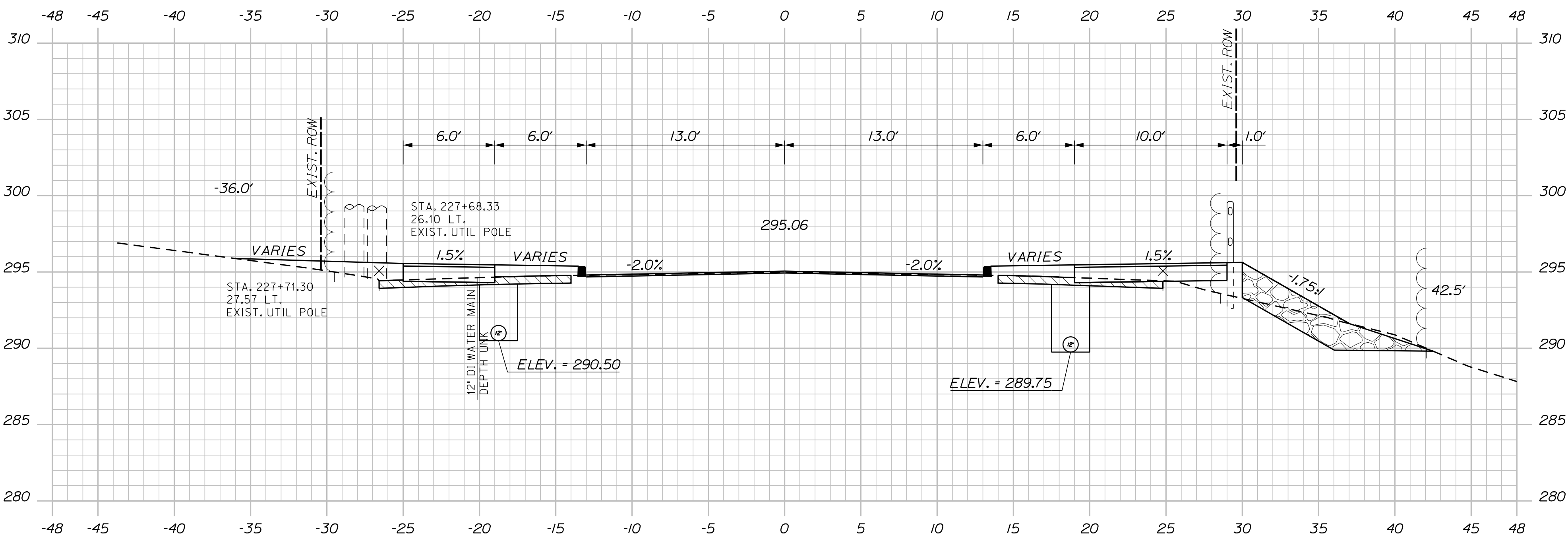
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



228+31.00
(COMMERCIAL PAVED ENTRANCE)



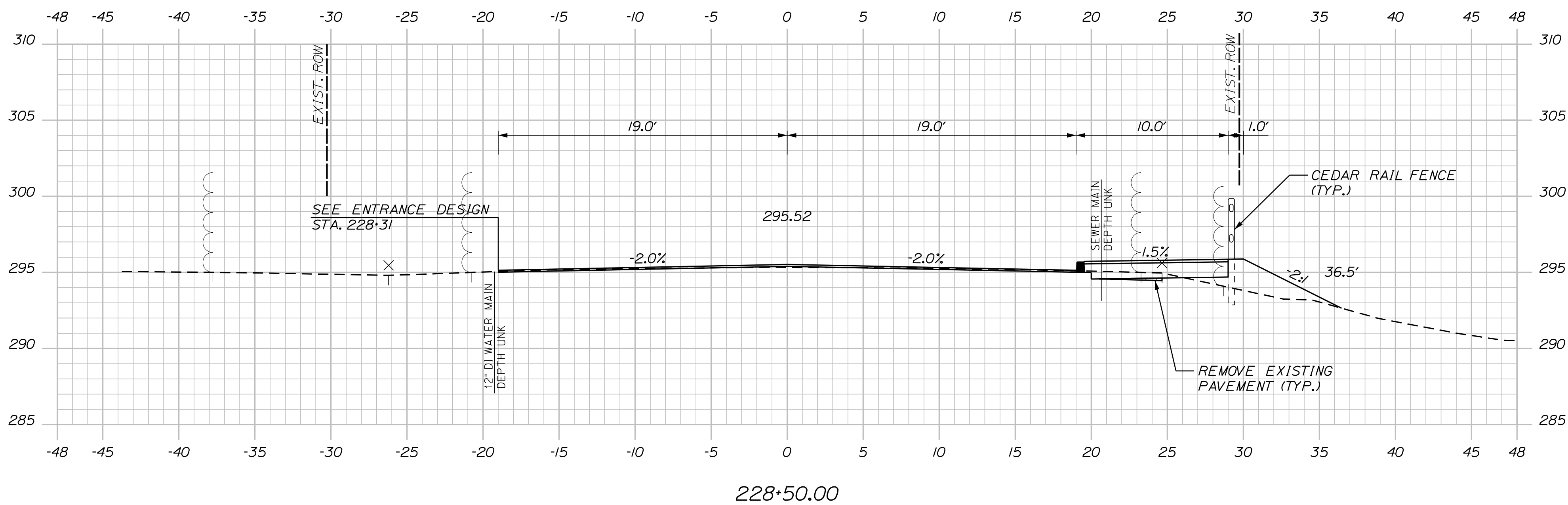
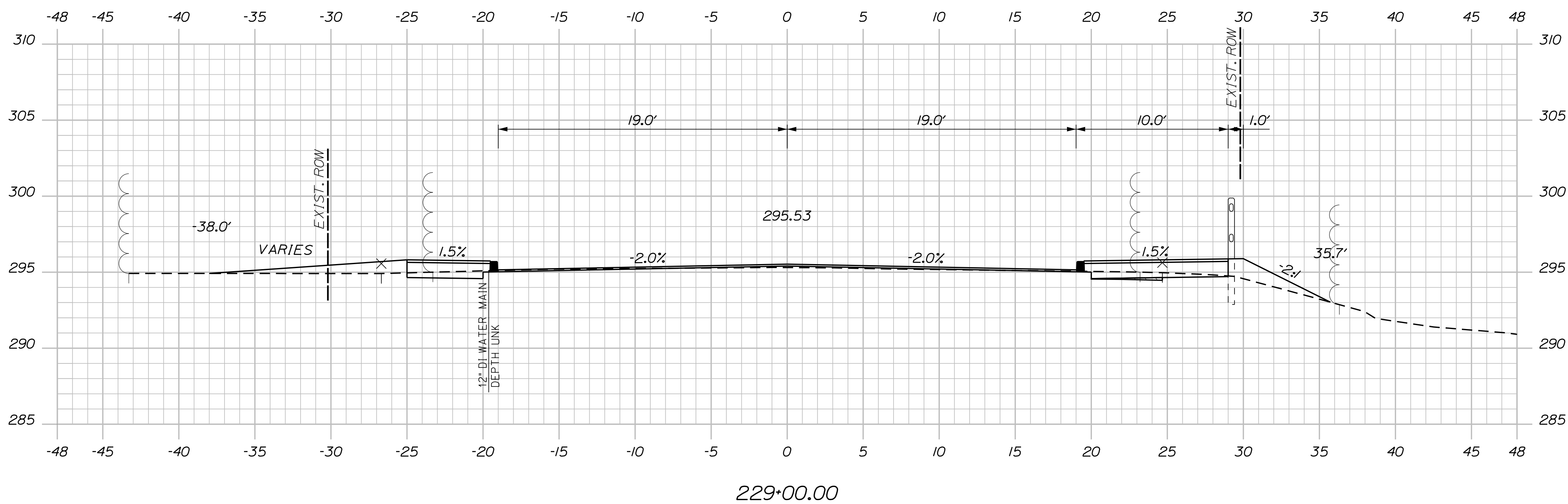
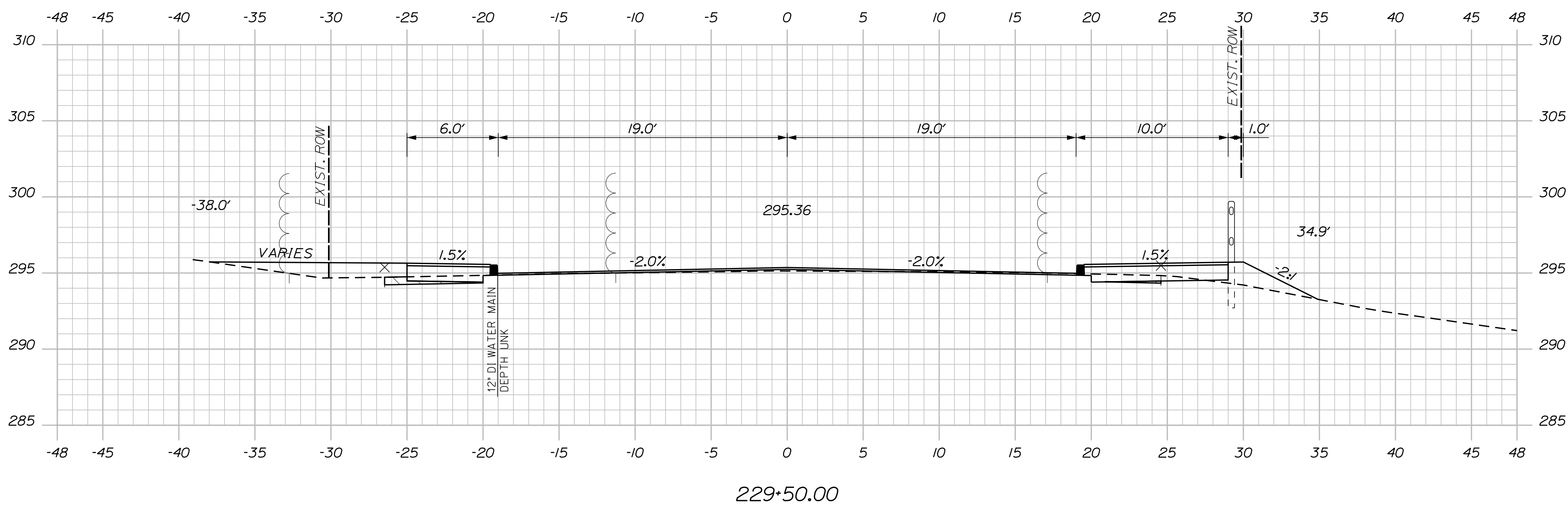
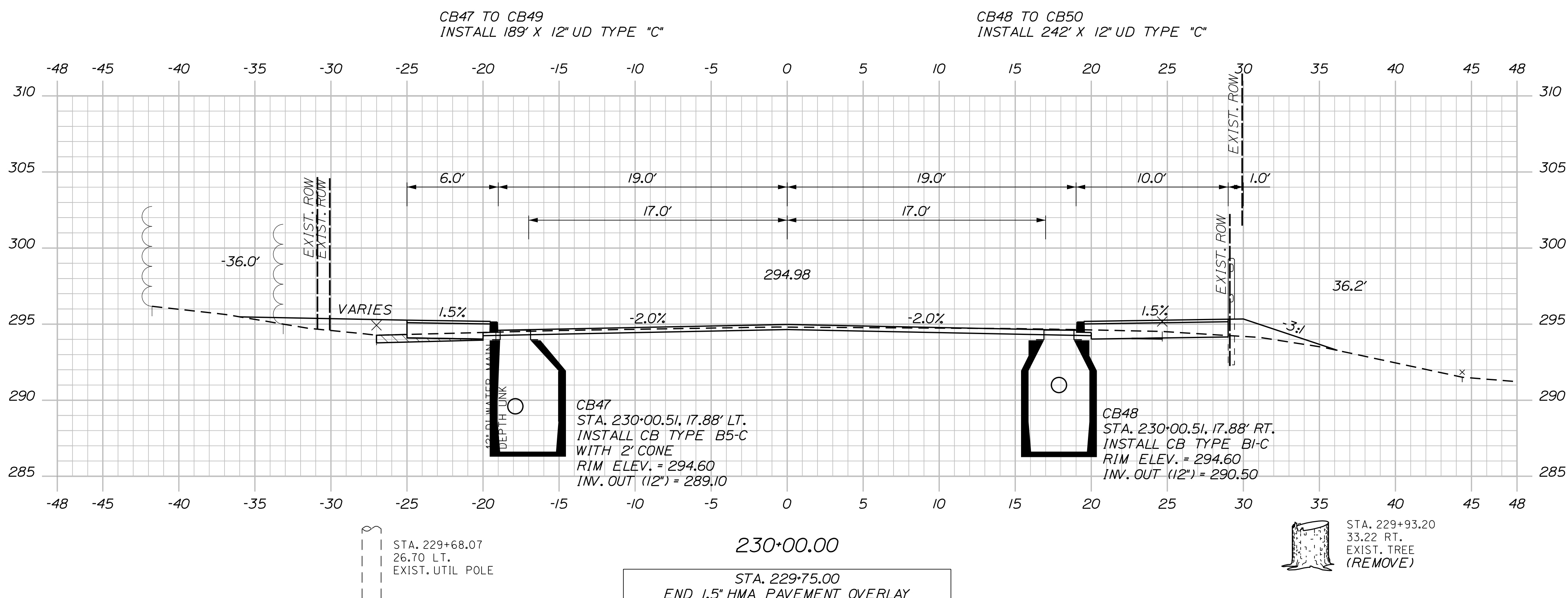
228+00.00



227+50.00

Sta. 227+50.00 to Sta. 228+31.00

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09/25
CHECKED-REVIEWD	J.WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

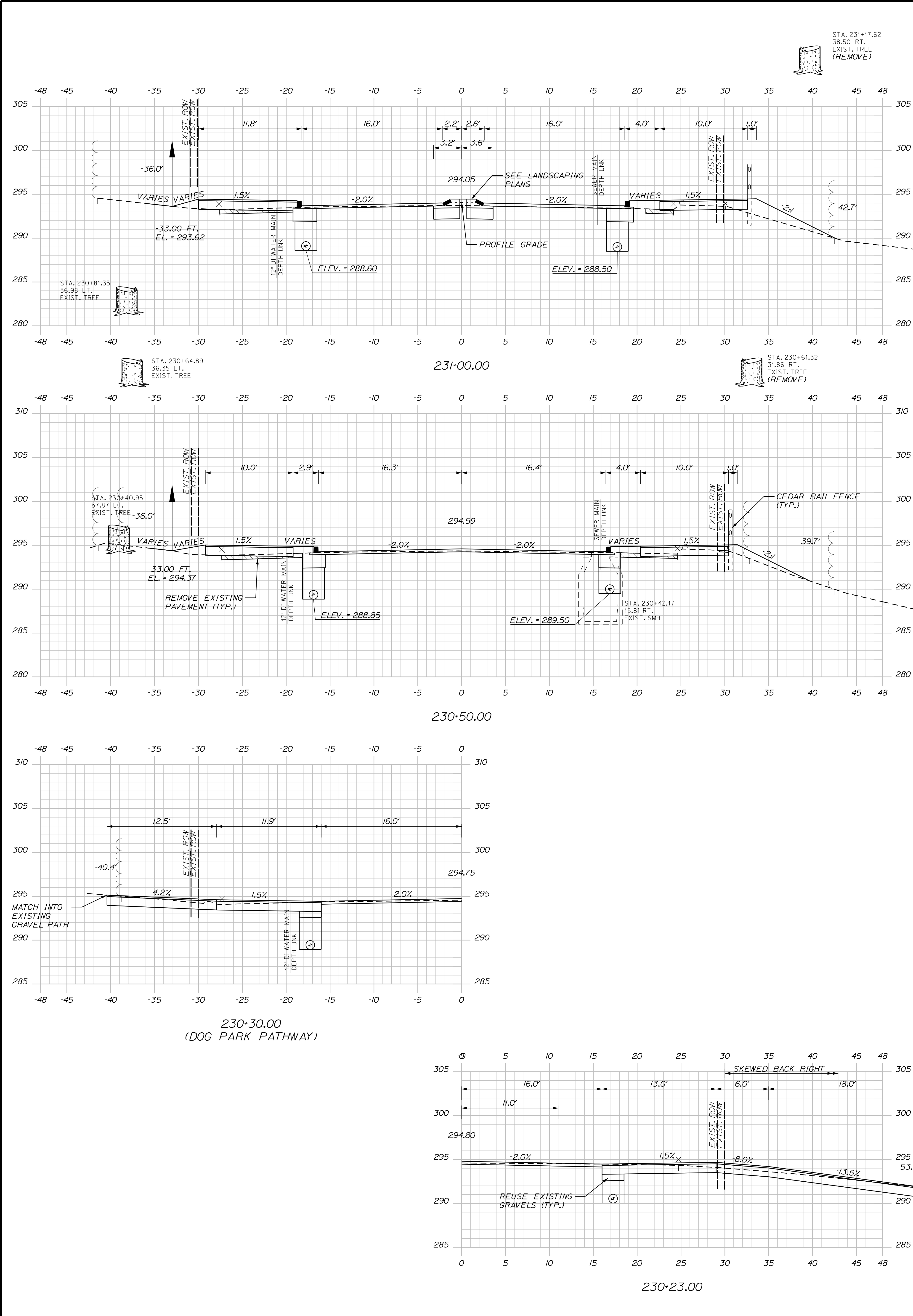
SHEET NUMBER

81

OF 106

Sta. 228+50.00 to Sta. 230+00.00

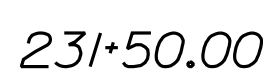
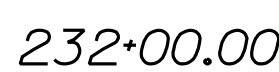
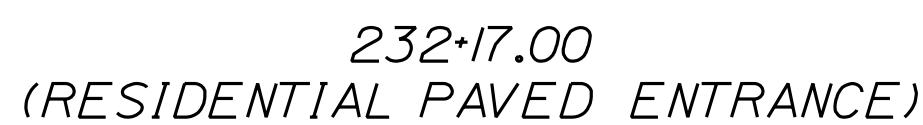
U:\\City of Sanford Maine\\3421.11\\William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 230+23.00 to Sta. 231+00.00

82	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER		M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED		T. WARREN	M.CUNDIFF	09\25	
			CHECKED-REVIEWED		J.WINCHENBACH	D. ETTINGER	09\25	
			DESIGN2-DETAILED2		--	--	--	
			DESIGN3-DETAILED3		--	--	--	
		CROSS SECTIONS	REVISIONS 1		--	--	--	WIN 025335.00
			REVISIONS 2		--	--	--	
			REVISIONS 3		--	--	--	
			REVISIONS 4		--	--	--	
			FIELD CHANGES		--	--	--	

U:\City of Sanford Maine\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



OF 106

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SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	09\25
CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

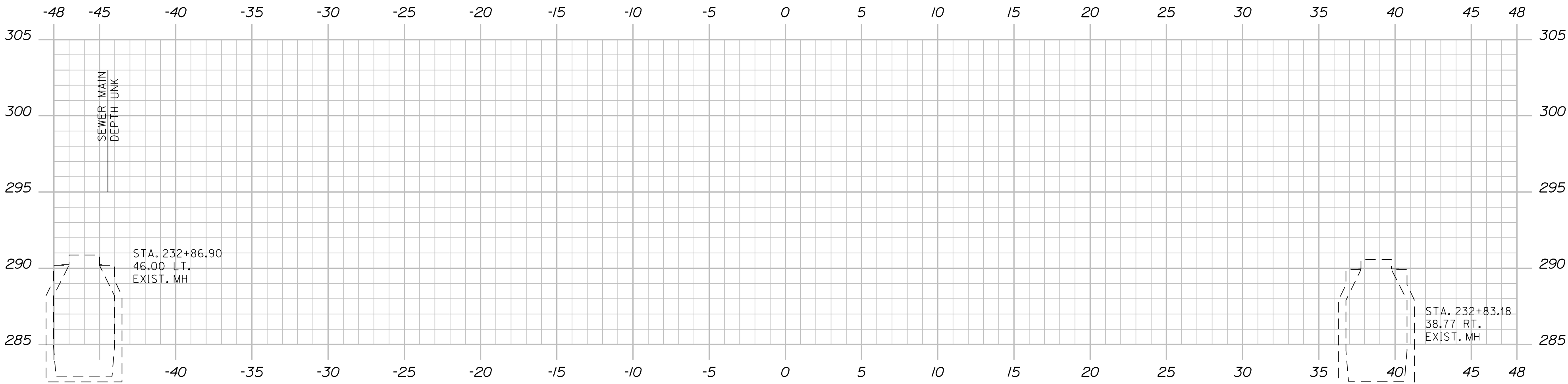
DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

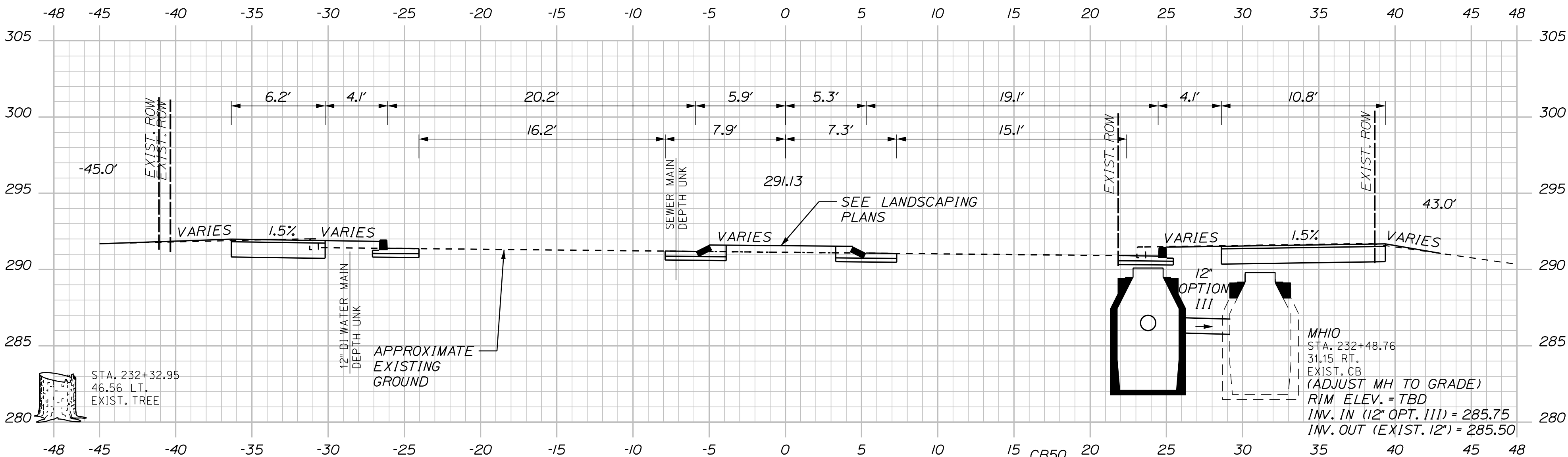
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

STA. 342+55.05 RIVER STREET  =
STA. 233+04.67 WILLIAM OSCAR EMERY DRIVE 



233+00.00

STA. 232+87.46
END PROJECT WIN 025335.00
LIMIT OF WORK
MATCH EXISTING PAVEMENT



232+50.00

CB50
STA. 232+52.10, 23.80' RT.
INSTALL CB TYPE BI-C
RIM ELEV. = TBD
INV. IN (12") = 286.00
INV. OUT (12" OPT. III) = 285.85

CB50 TO MH10
INSTALL 4' X 12" OPTION III

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

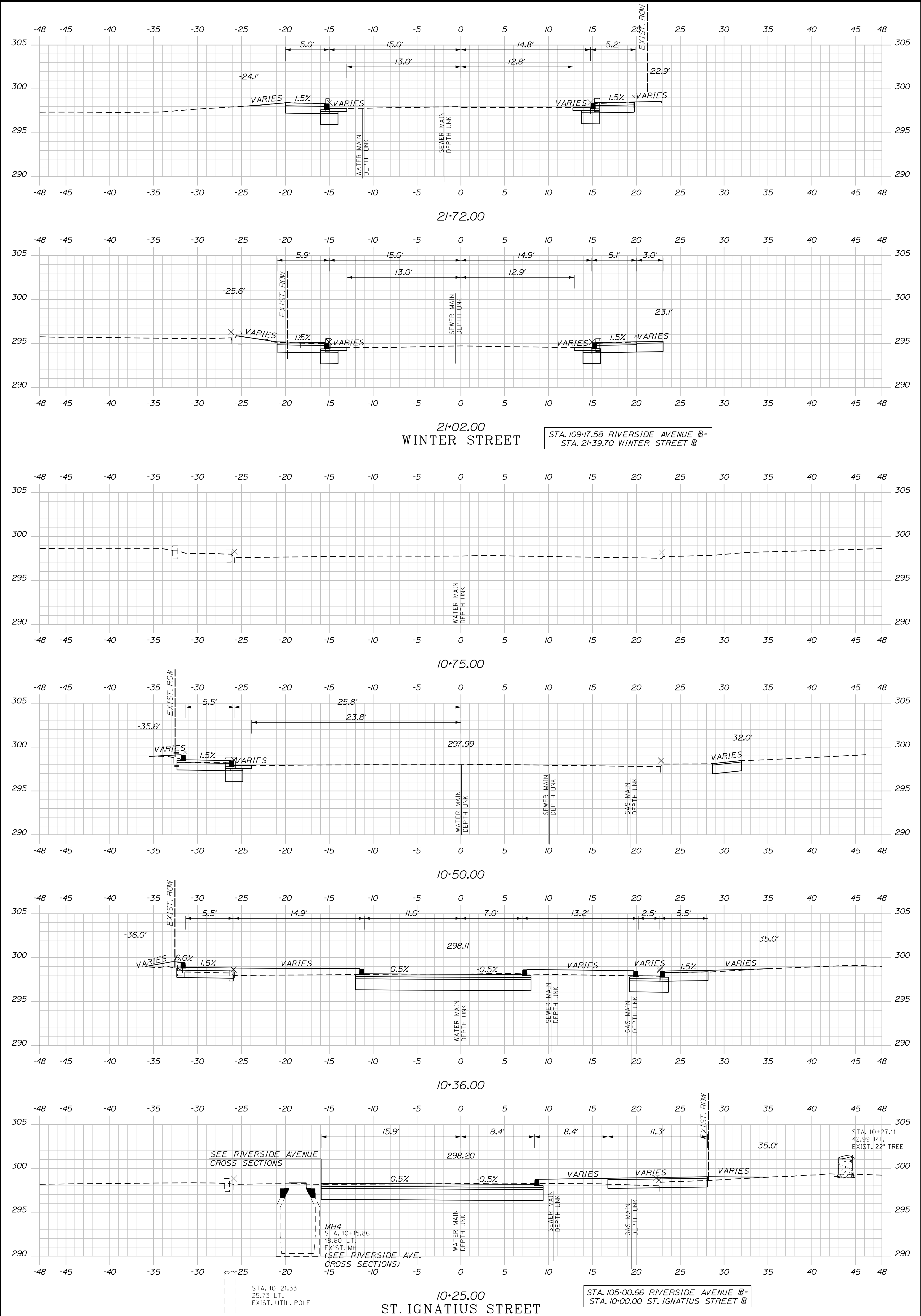
SHEET NUMBER

84

OF 106

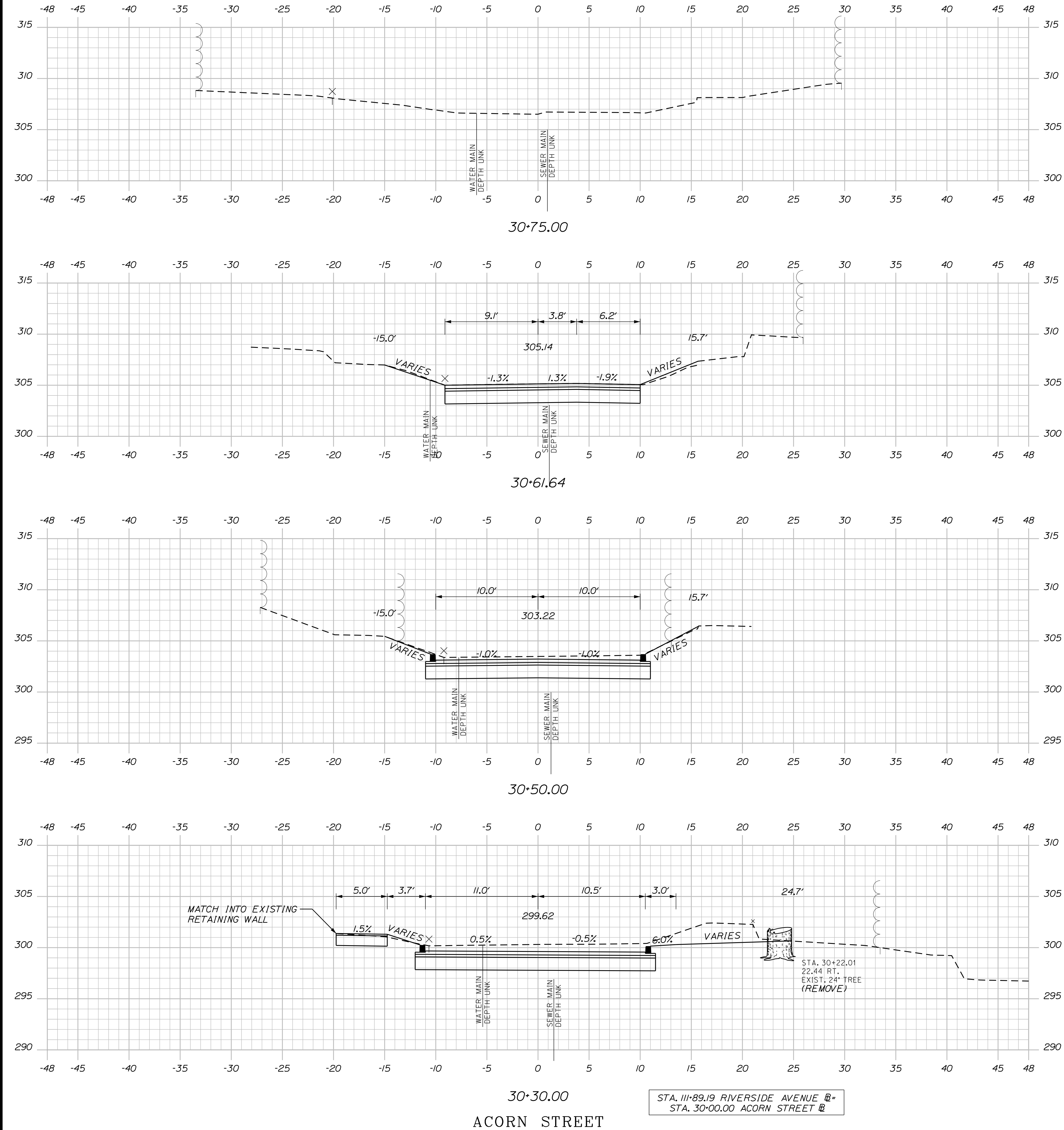
Sta. 232+50.00 to Sta. 232+50.00

U:\\City of Sanford Maine\\3421.11-William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



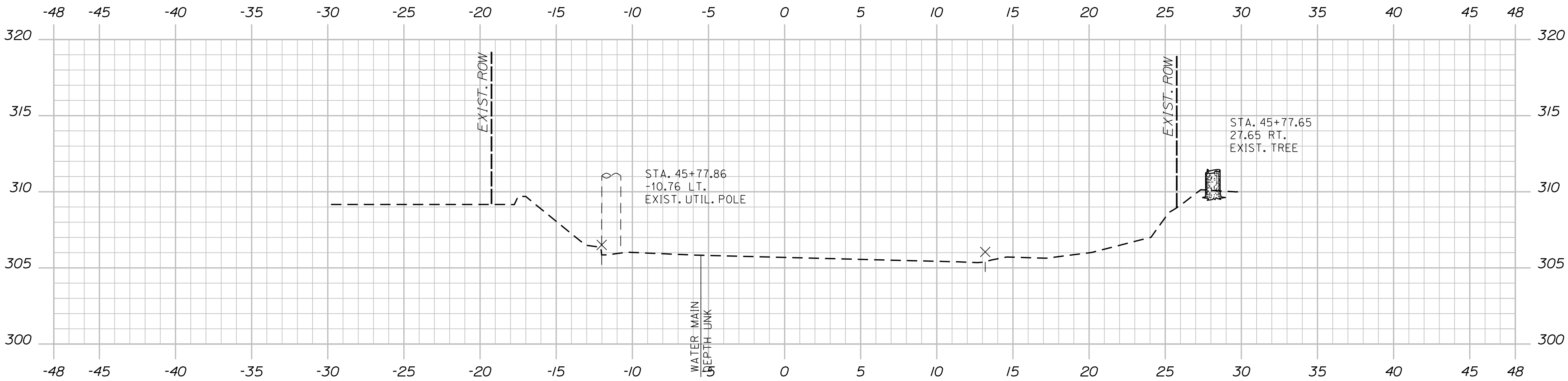
OF 106	85	SHEET NUMBER	SANFORD				PROJ. MANAGER		M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE				DESIGN-DETAILED		T. WARREN	M. CUNDIFF	09/25	
							CHECKED-REVIEWED		J. WINCHENBACH	D. ETTINGER	09/25	
							DESIGN2-DETAILED2		-	-	-	
			SIDE ROAD CROSS SECTIONS				DESIGN3-DETAILED3		-	-	-	P.E. NUMBER
							REVISIONS 1		-	-	-	
							REVISIONS 2		-	-	-	DATE
							REVISIONS 3		-	-	-	
							REVISIONS 4		-	-	-	
			FIELD CHANGES		-	-	-					

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

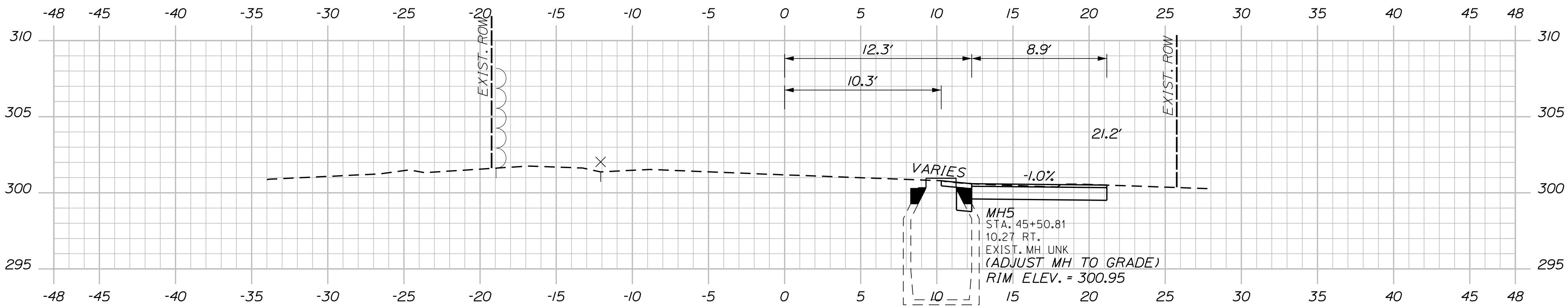


86	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25		
			DESIGN2-DETAILED2					
			DESIGN3-DETAILED3					
OF 106	SIDE ROAD CROSS SECTIONS		REVISIONS 1				P.E. NUMBER	WIN 025335.00
			REVISIONS 2					
			REVISIONS 3				DATE	
			REVISIONS 4					
			FIELD CHANGES					

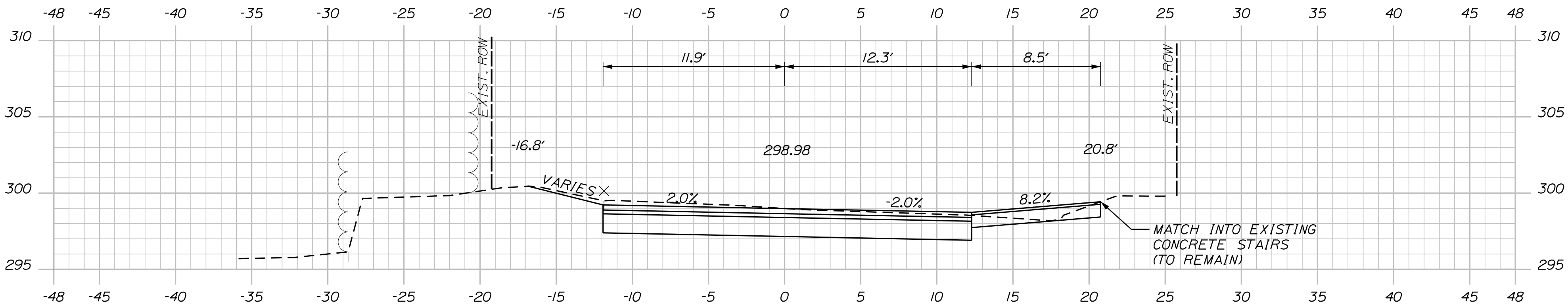
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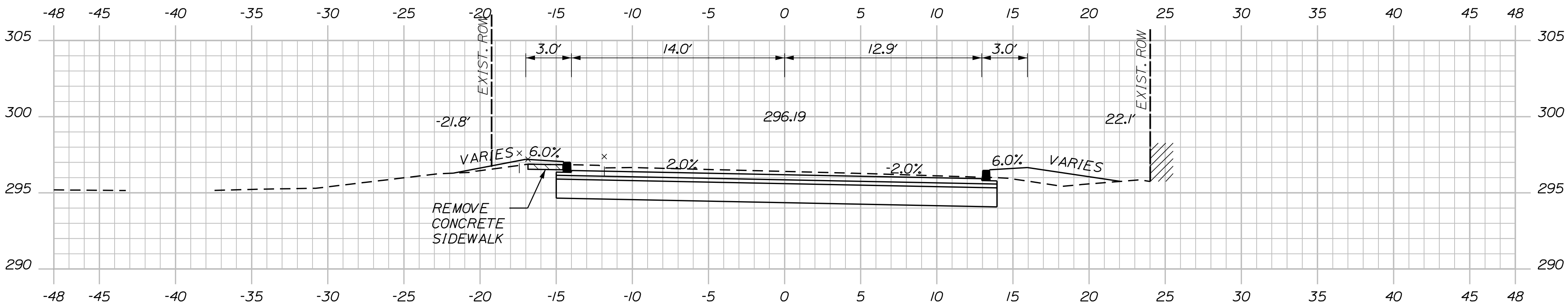
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45+50.00



45+39.00



45+25.00

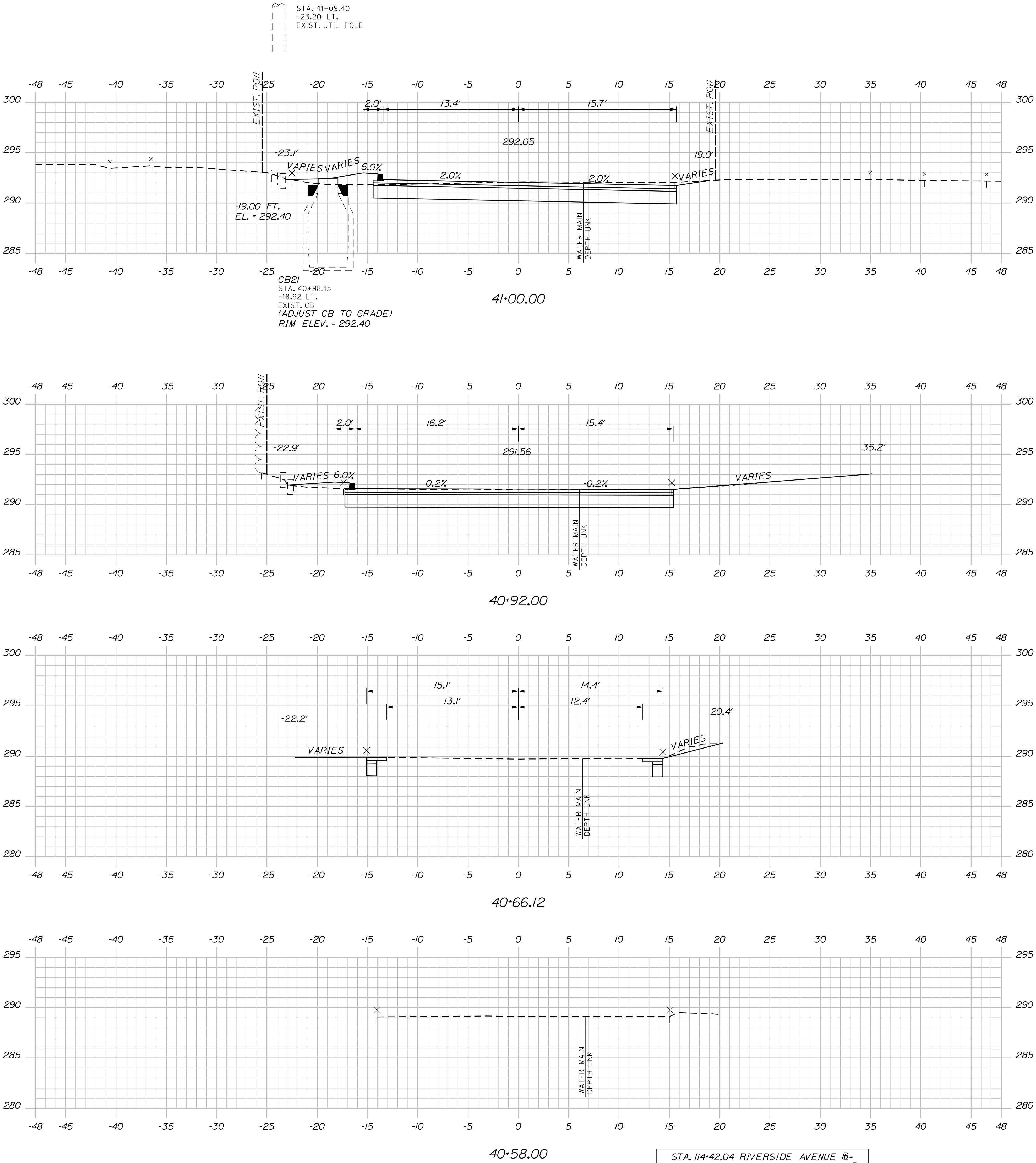
STA. 114+34.41 RIVERSIDE AVENUE @
STA 45+00.00 MAPLE STREET SOUTH @

MAPLE STREET SOUTH

Sta. 45+25.00 to Sta. 45+75.00

87	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25		
			DESIGN2-DETAILED2					
OF 106	SIDE ROAD CROSS SECTIONS		DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
			REVISIONS 1	-	-	-	DATE	
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

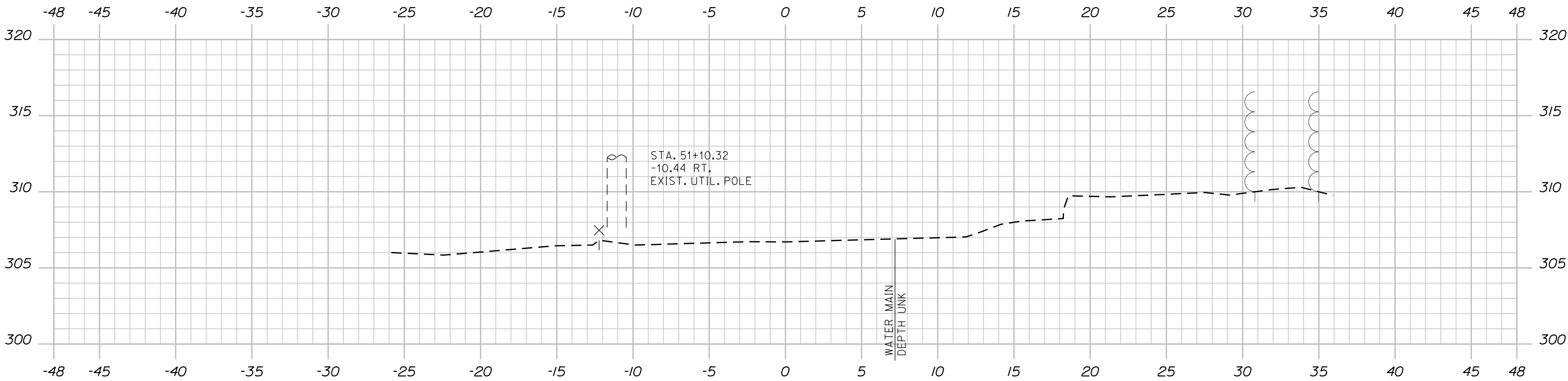
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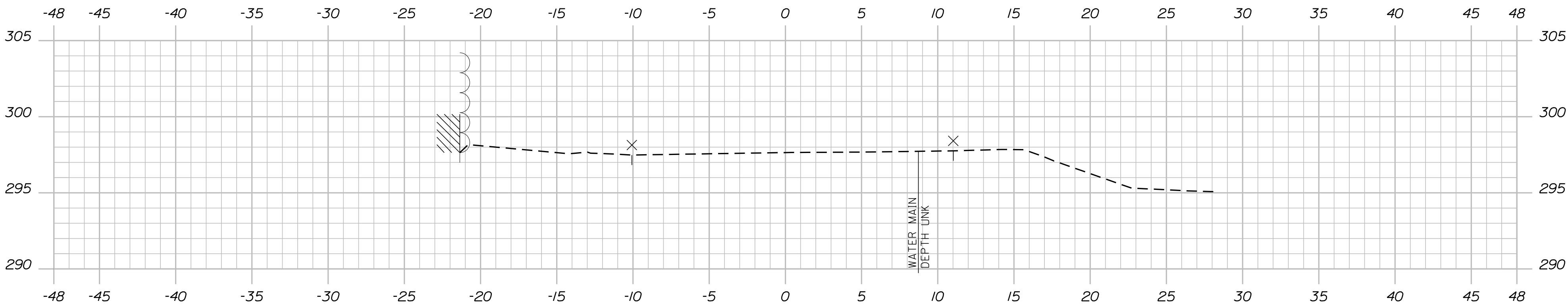
Sta. 40+58.00 to Sta. 41+00.00

OF 106	SHEET NUMBER	88	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER				M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED				T. WARREN	M.CUNDIFF	09\25		
				CHECKED-REVIEWED				J.WINCHEBACH	D. ETTINGER	09\25		
				DESIGN2-DETAILED2				--	--	--		
				DESIGN3-DETAILED3				--	--	--		
			SIDE ROAD CROSS SECTIONS	REVISIONS 1				--	--	--	P.E. NUMBER	
				REVISIONS 2				--	--	--		
				REVISIONS 3				--	--	--		
				REVISIONS 4				--	--	--		
				FIELD CHANGES				--	--	--		
WIN 025335.00												

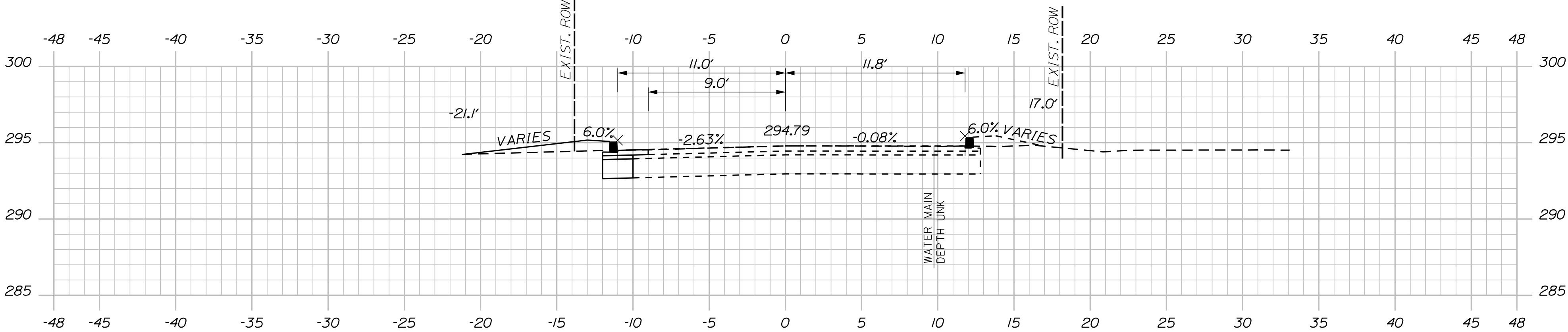
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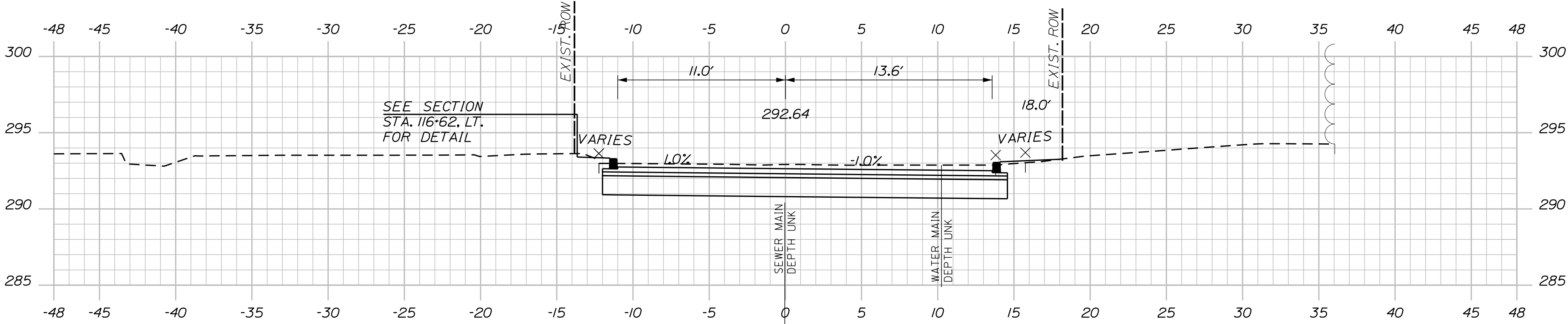
51+00.00



50+50.00



50+35.00



50+25.00

STA. 116+86.49 RIVERSIDE AVENUE =
STA 50+00.00 PLEASANT AVENUE =

PLEASANT AVENUE

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

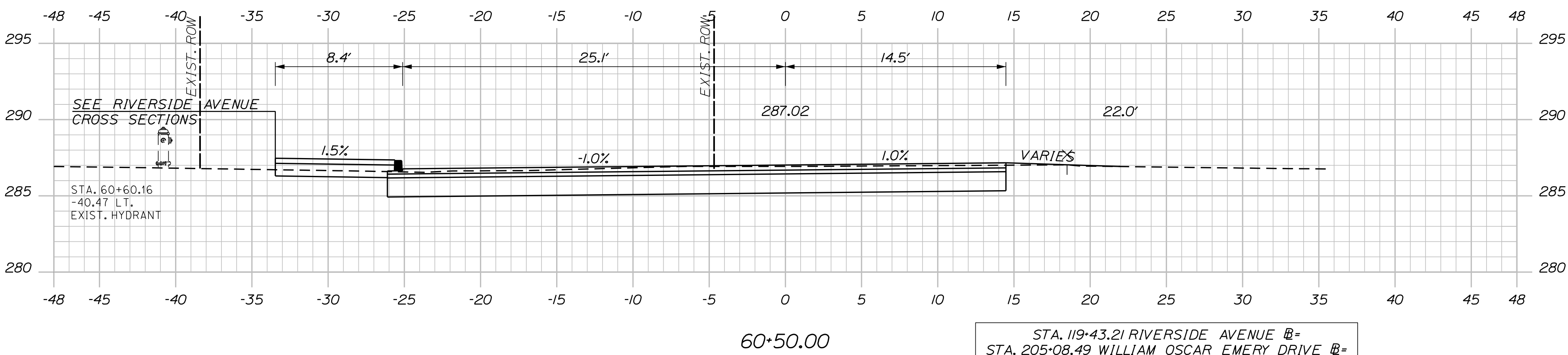
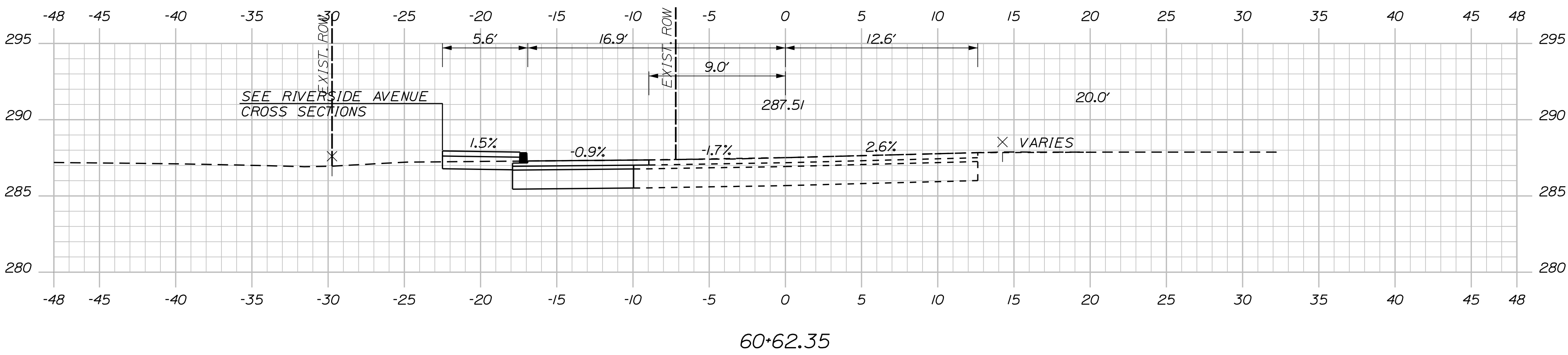
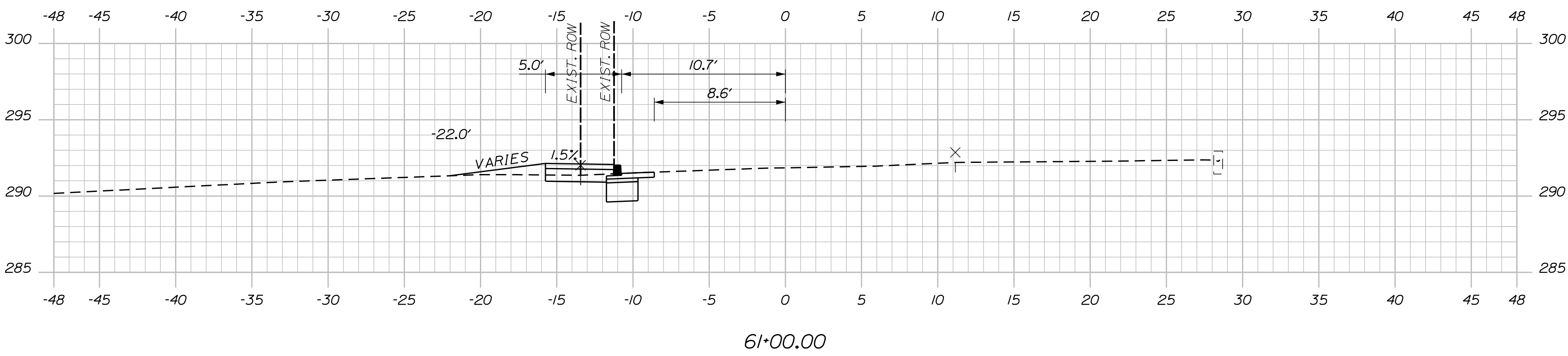
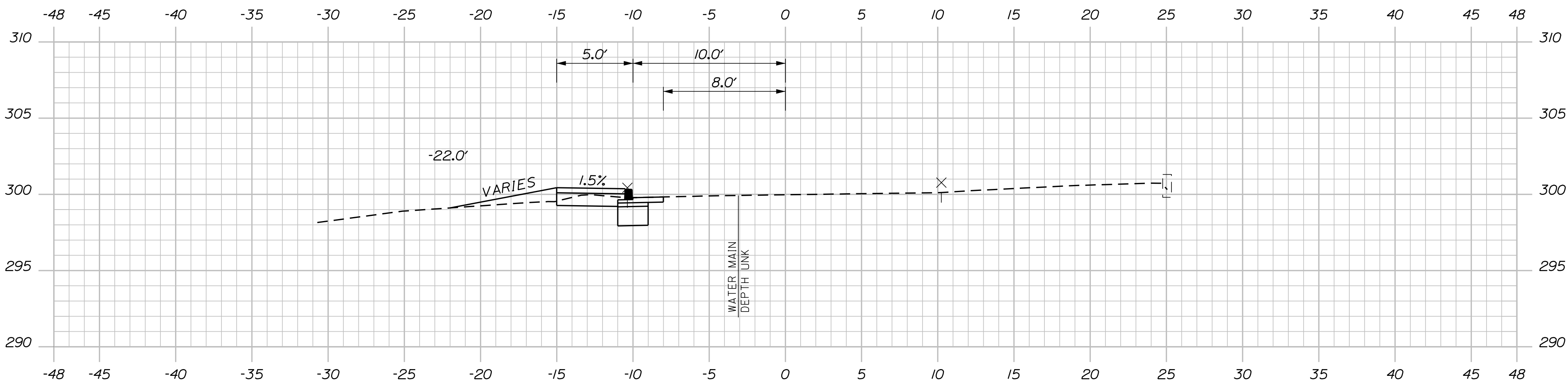
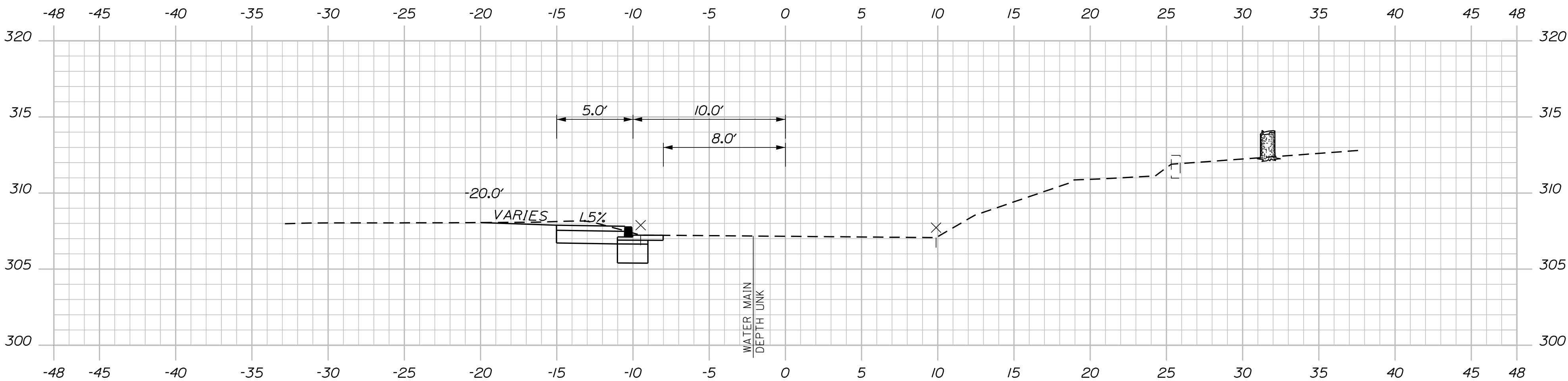
P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



STA. 119+43.21 RIVERSIDE AVENUE @
STA. 205+08.49 WILLIAM OSCAR EMERY DRIVE @
STA. 60+00.00 LINCOLN STREET @

Sta. 60+50.00 to Sta. 62+00.00

OF 106

90

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

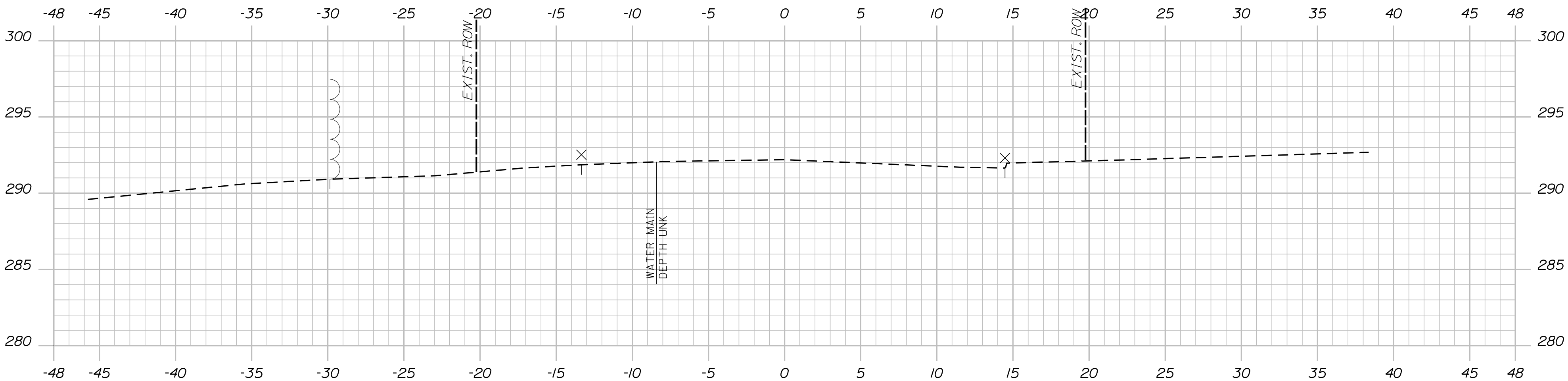
P.E. NUMBER

DATE

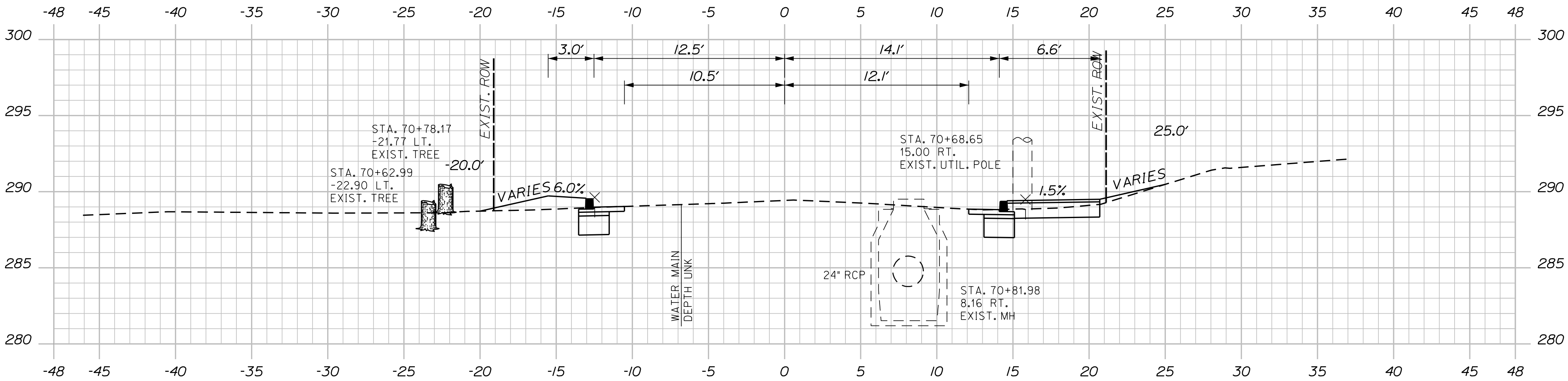
CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

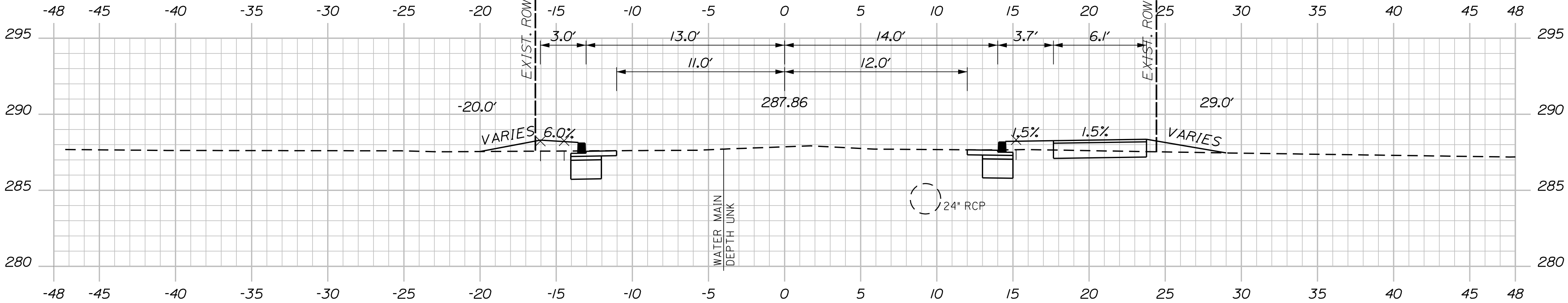
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



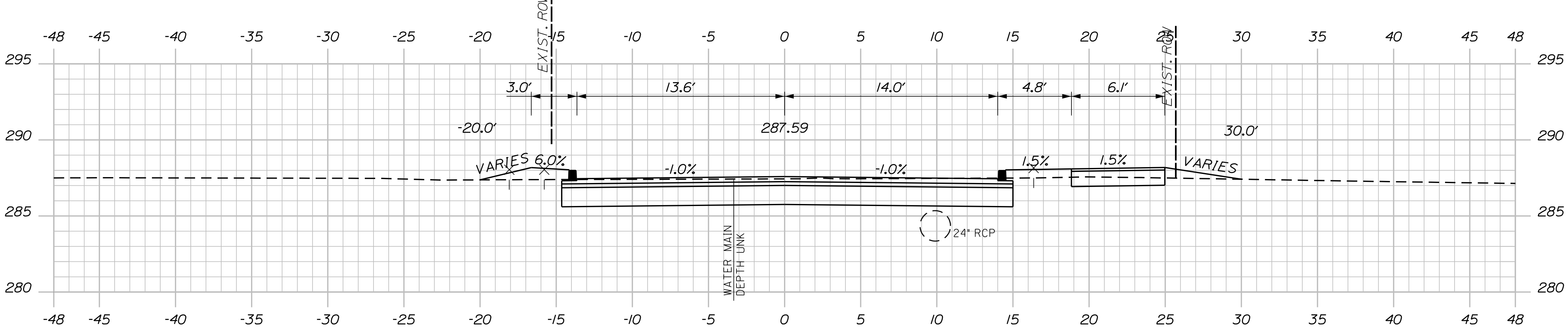
71+00.00



70+75.00



70+55.38



70+50.00

STA. 210+36.02 WILLIAM OSCAR EMERY DRIVE =
STA. 70+00.00 SUMMER STREET =

SUMMER STREET

Sta. 70+50.00 to Sta. 71+00.00

OF 106

91

SHEET NUMBER

SANFORD

RIVERSIDE AVENUE AND

WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD

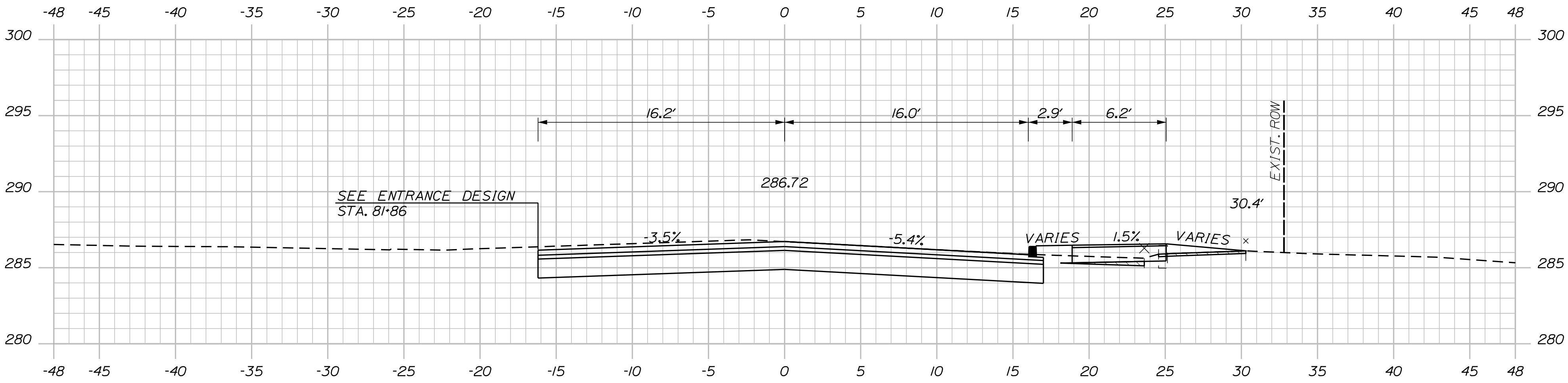
919 MAIN STREET

SANFORD, MAINE 04073

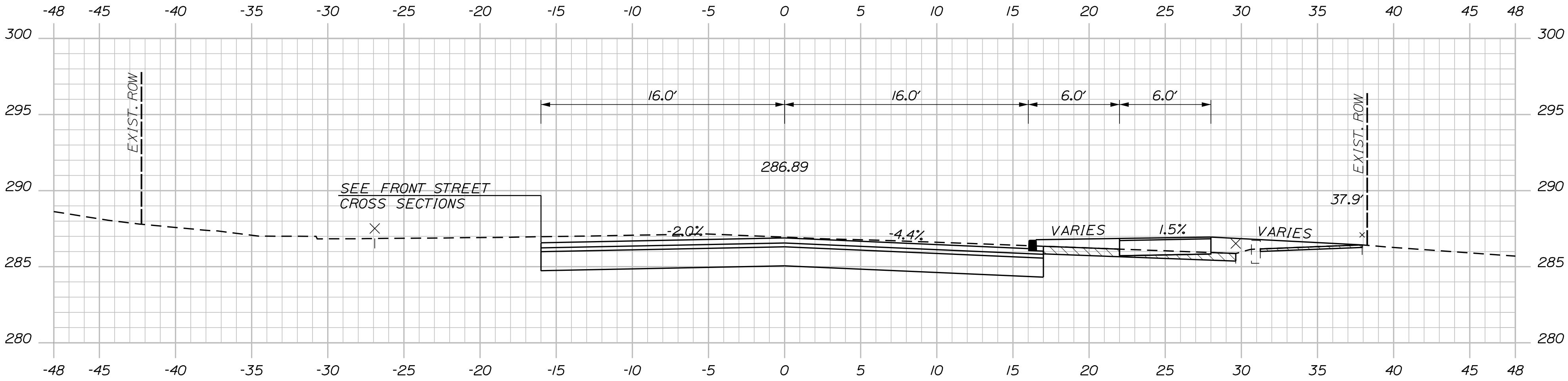
WIN

025335.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

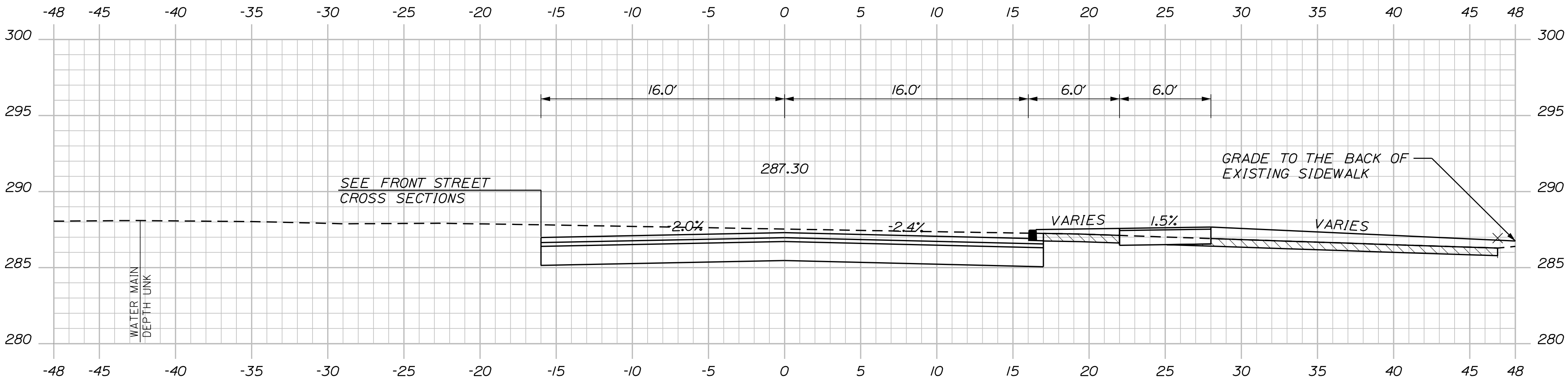


81+75.00

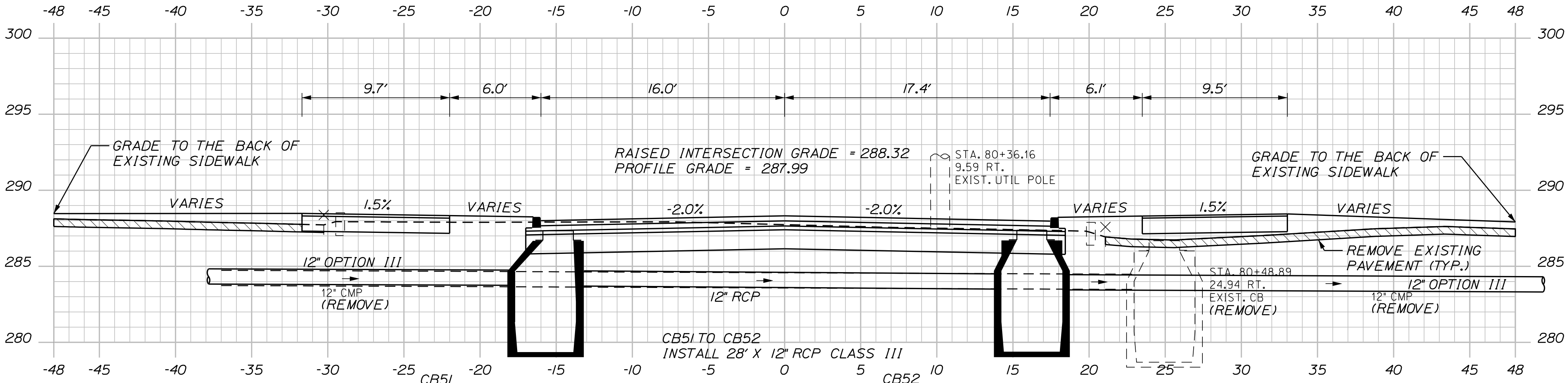


81+50.00

STA. 81+09.37 GOWEN PARK DRIVE @= STA. 90+00.00 FRONT STREET @



81+00.00



80+50.00

STA. 216+15.98 WILLIAM OSCAR EMERY DRIVE @= STA. 80+00.00 GOWEN PARK DRIVE @

GOWEN PARK DRIVE

Sta. 80+50.00 to Sta. 81+75.00

OF 106

92

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

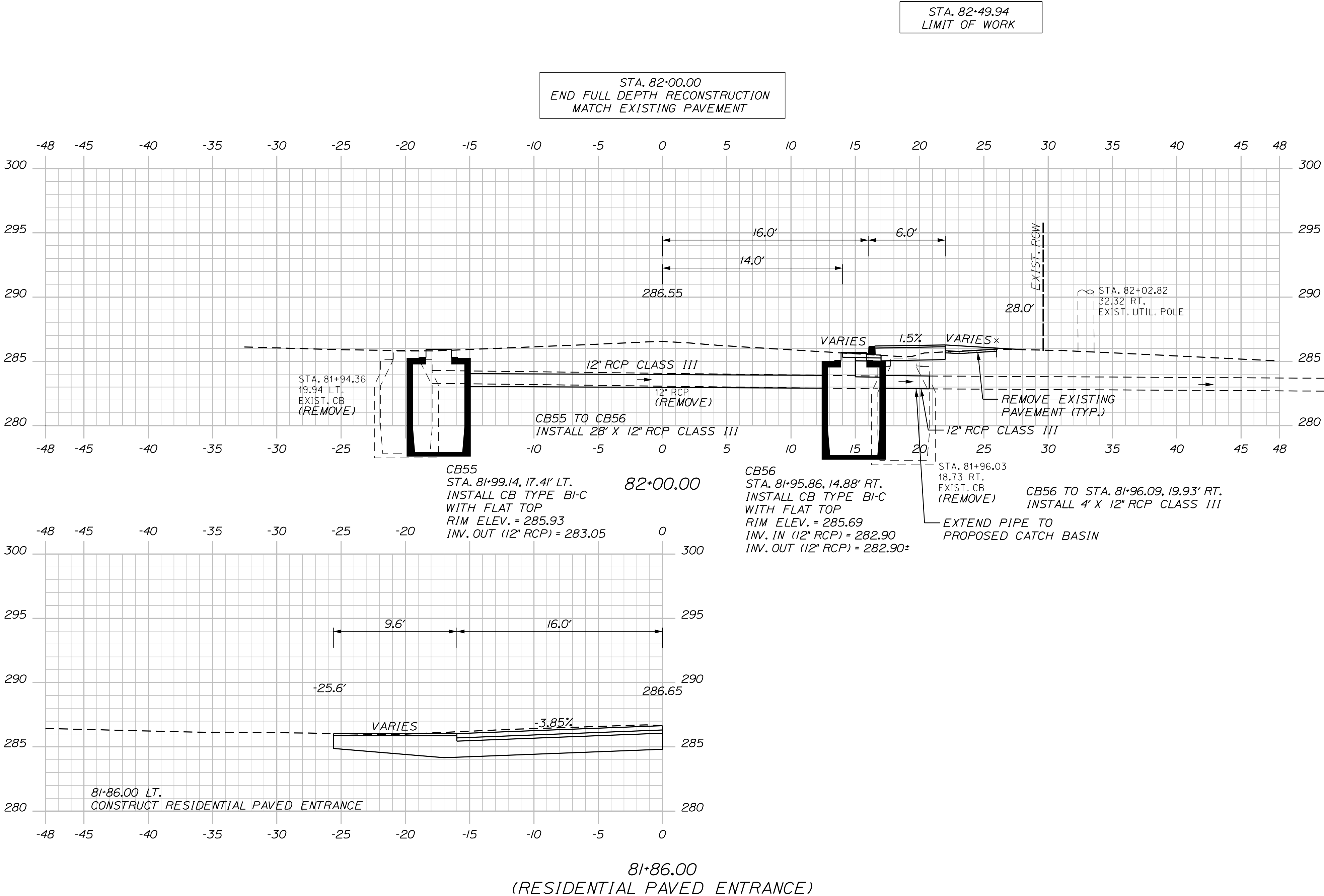
SIGNATURE
P.E. NUMBER
DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

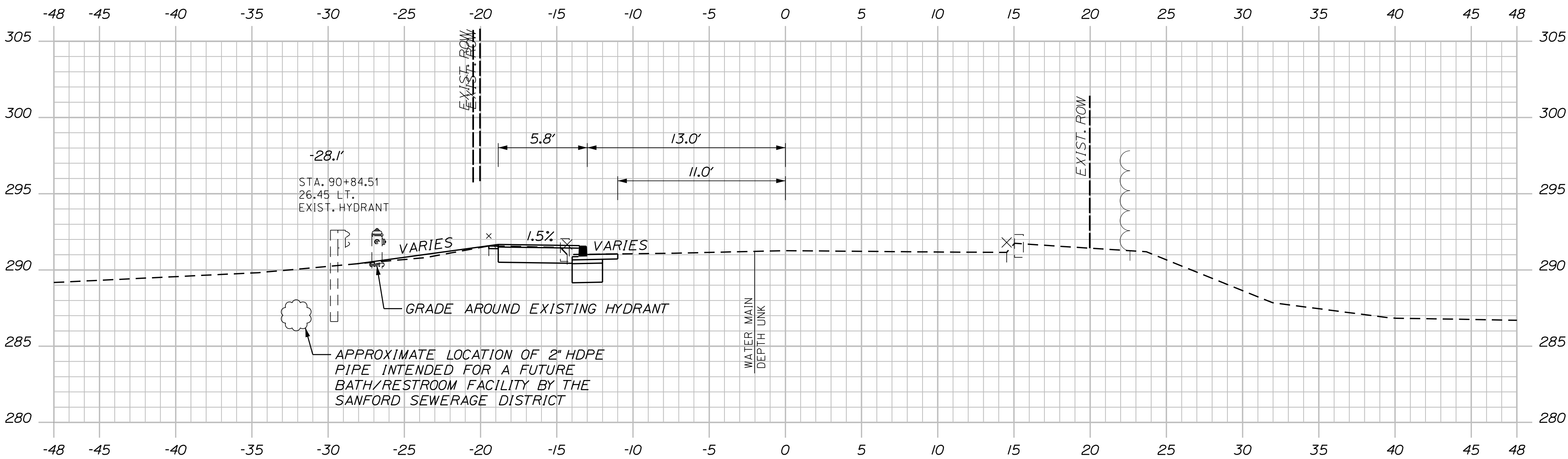
Sta. 81+86.00 to Sta. 82+00.00



OF 106	SHEET NUMBER	93	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25		
				CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25		
				DESIGN2-DETAILED2	-	-	-		
SIDE ROAD CROSS SECTIONS				DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-	DATE	
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
				REVISIONS 4	-	-	-		
				FIELD CHANGES	-	-	-		

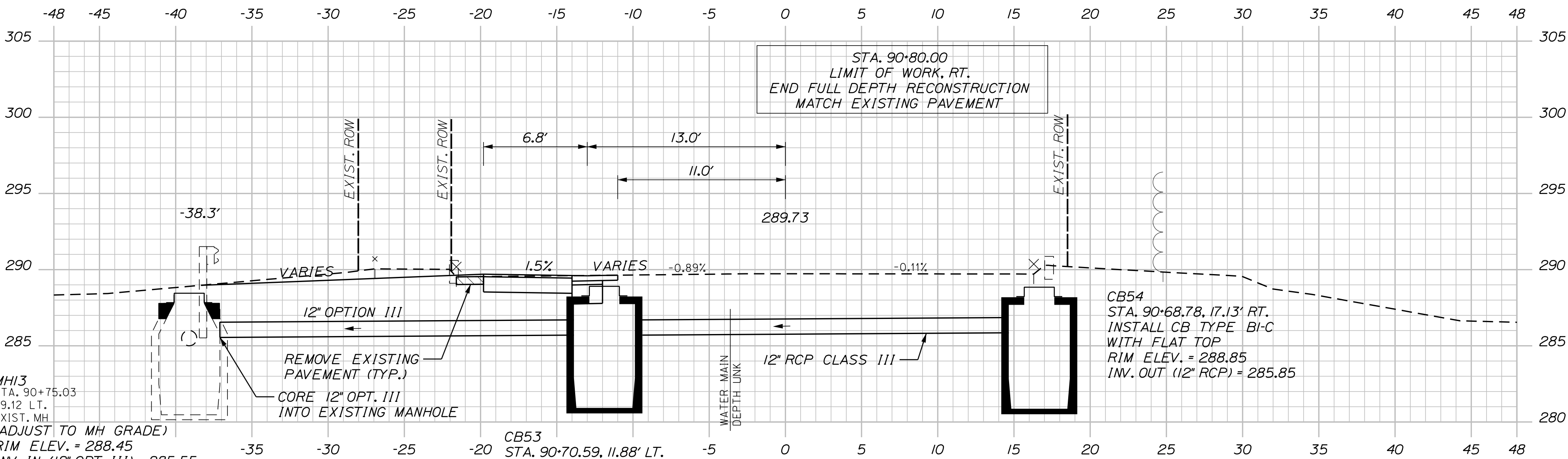
U:\\City of Sanford Maine\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

STA. 91+37.70, LT.
LIMIT OF WORK



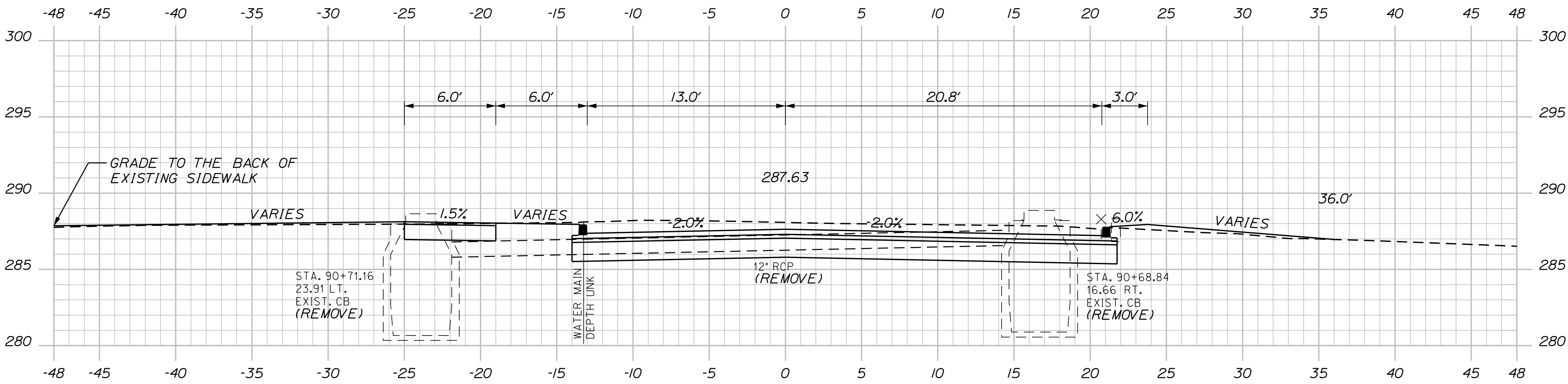
91+00.00

STA. 90+80.00
LIMIT OF WORK, RT.
END FULL DEPTH RECONSTRUCTION
MATCH EXISTING PAVEMENT



90+80.00

CB53 TO CB54
INSTALL 28' X 12\"/>



90+50.00

STA. 81+09.37 GOWEN PARK DRIVE @=
STA. 90+00.00 FRONT STREET @

FRONT STREET

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

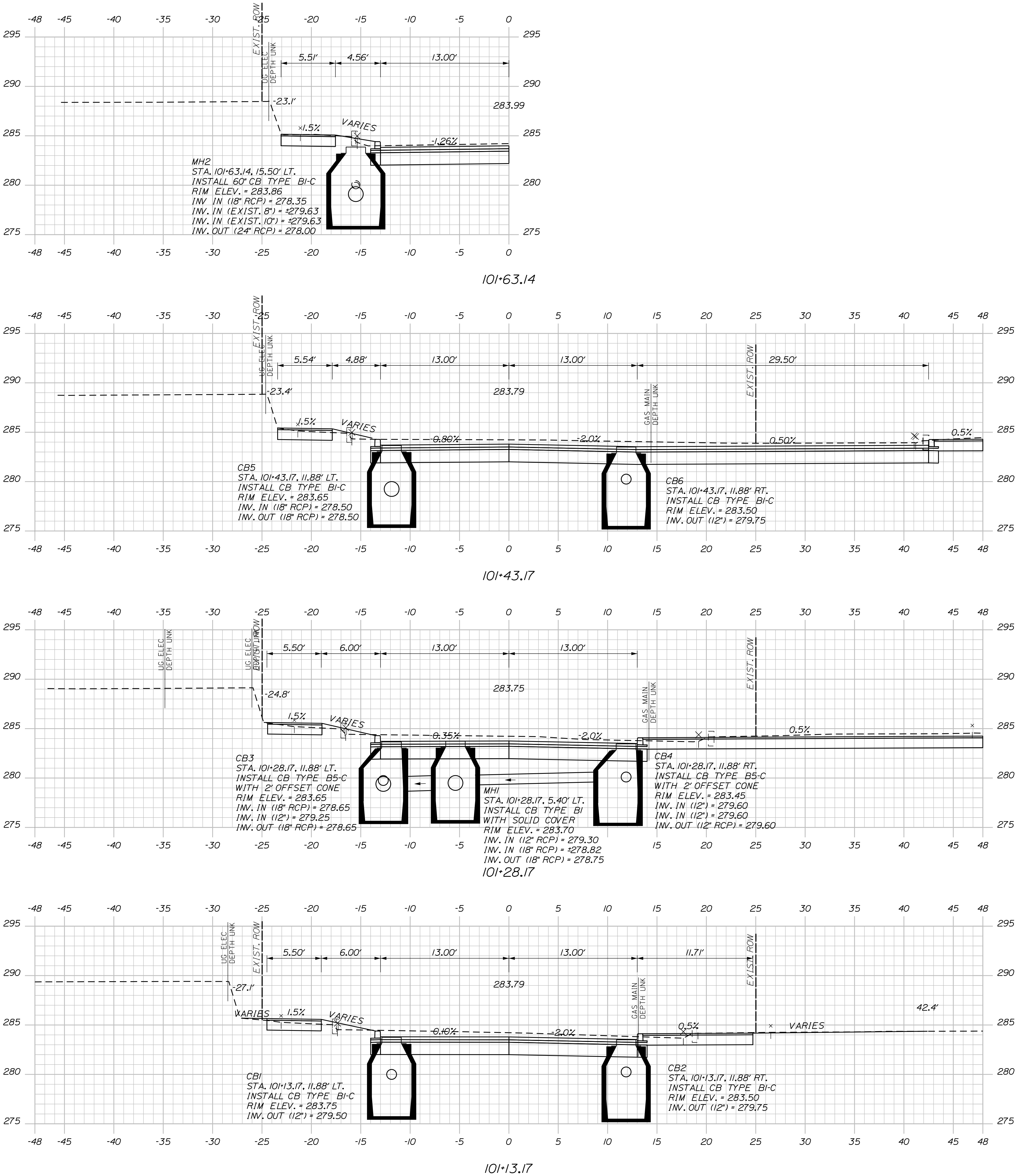
WIN
025335.00

SHEET NUMBER

94

OF 106

Sta. 90+50.00 to Sta. 91+00.00



Sta. 101+13.17 to Sta. 101+63.14

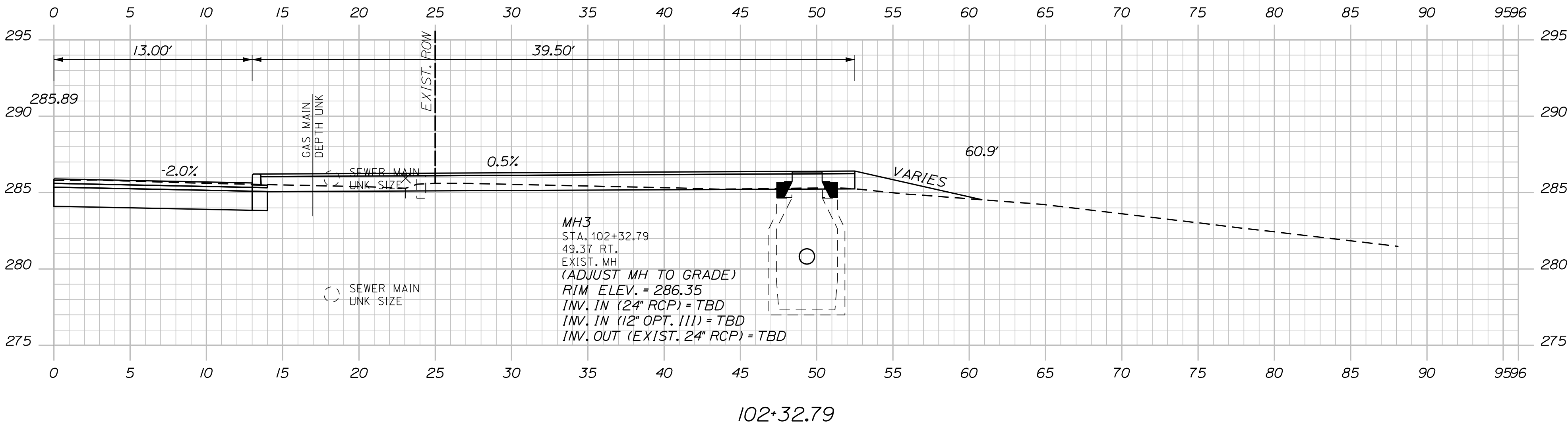
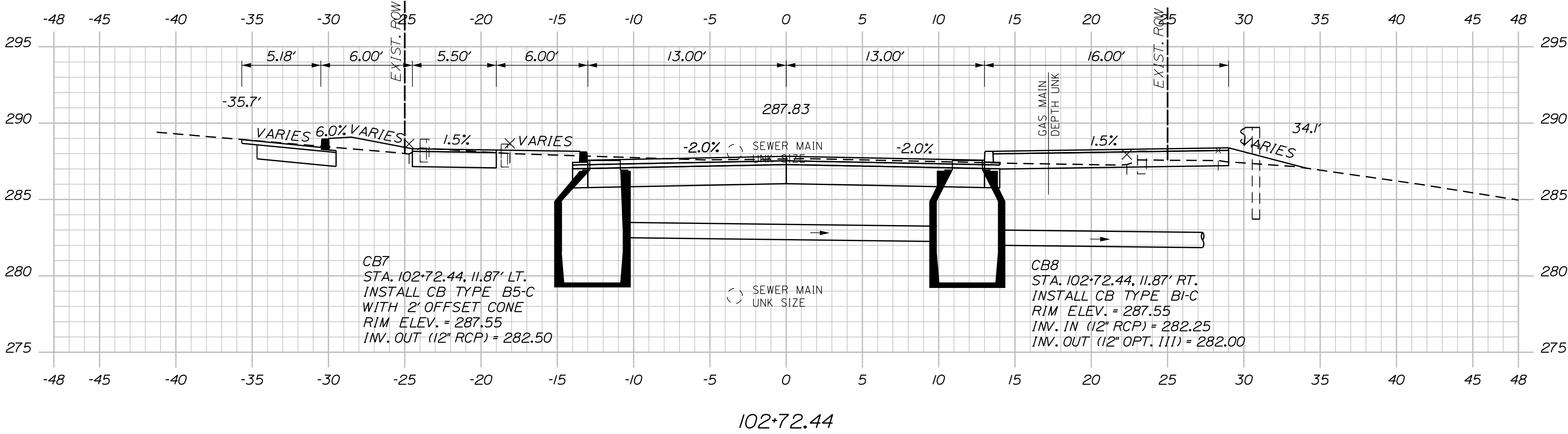
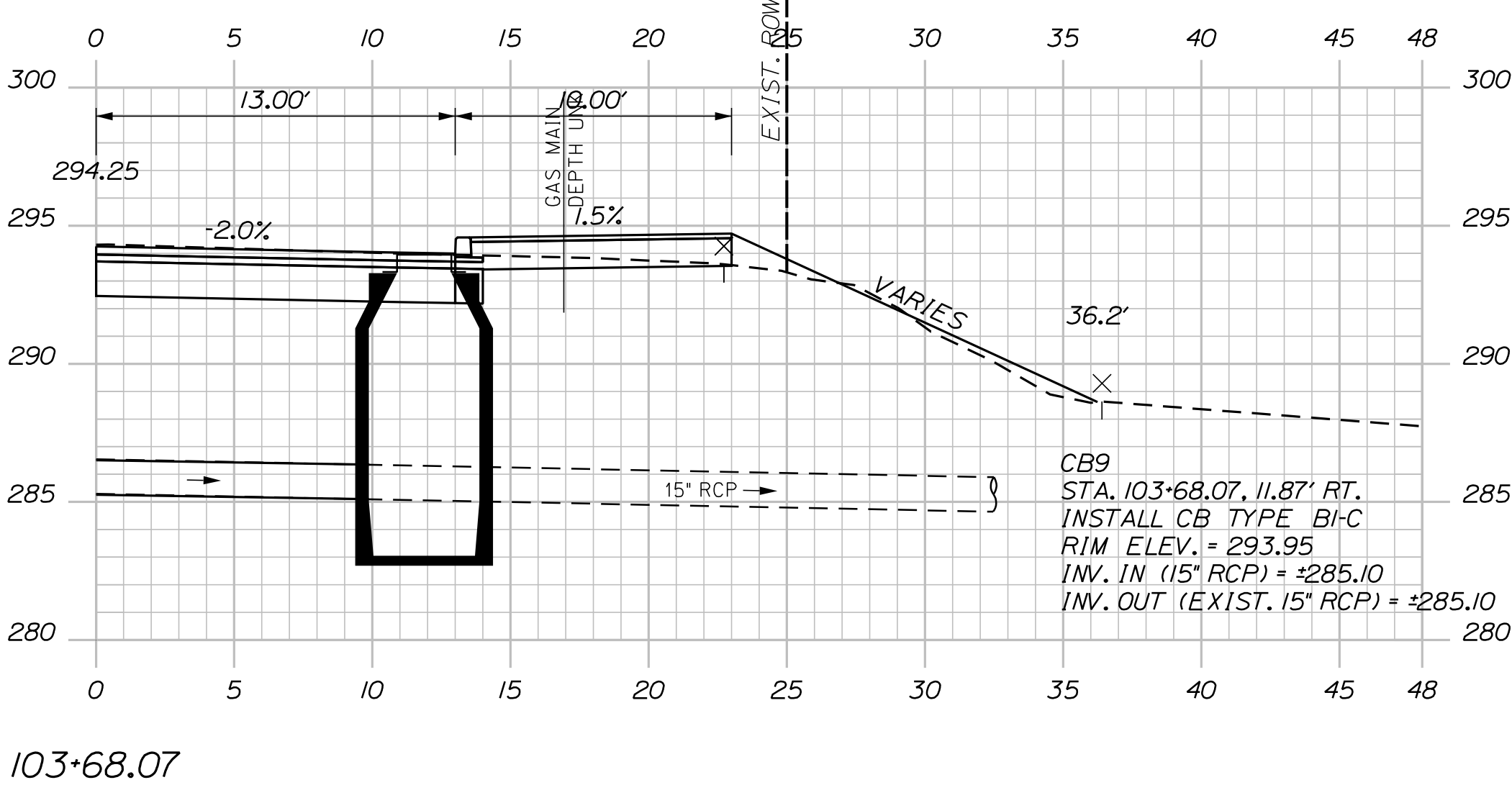
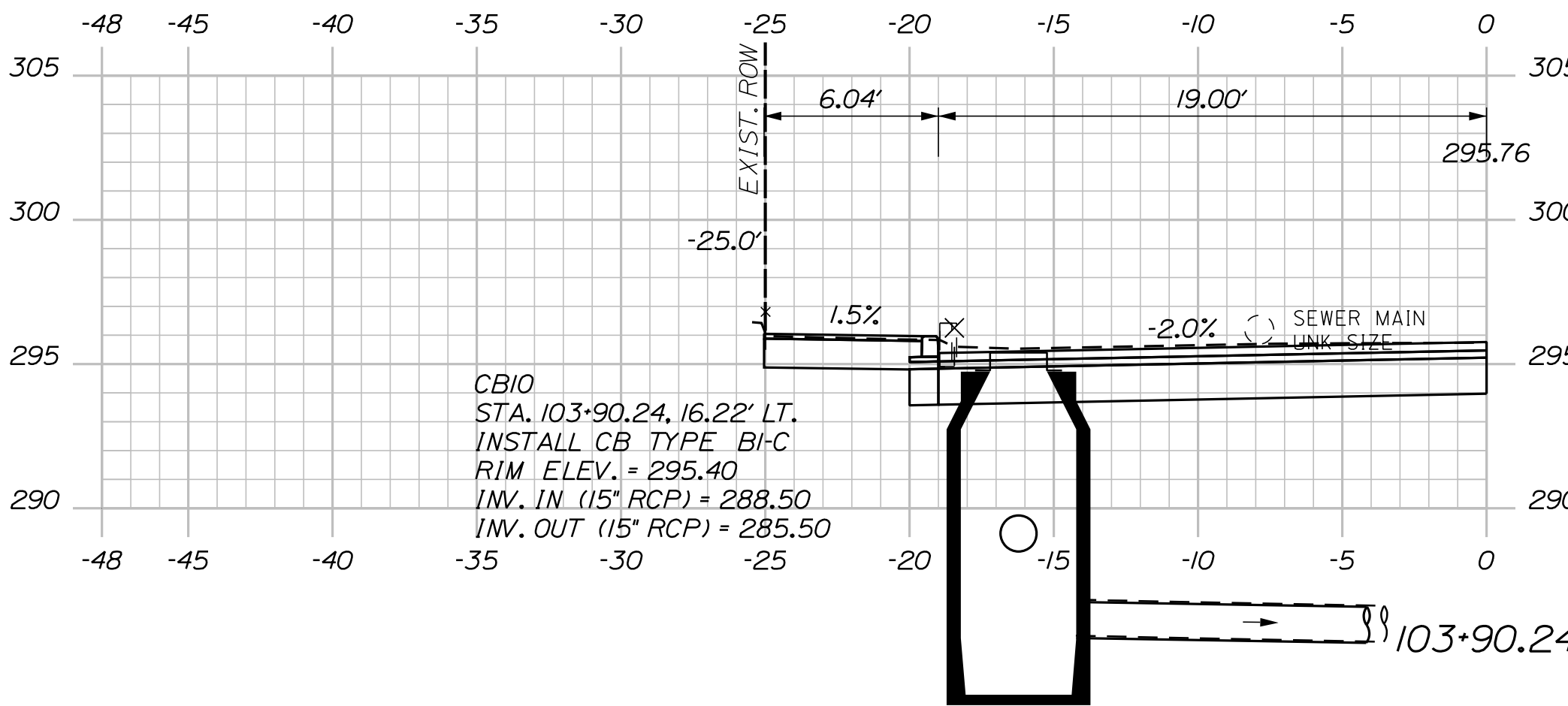
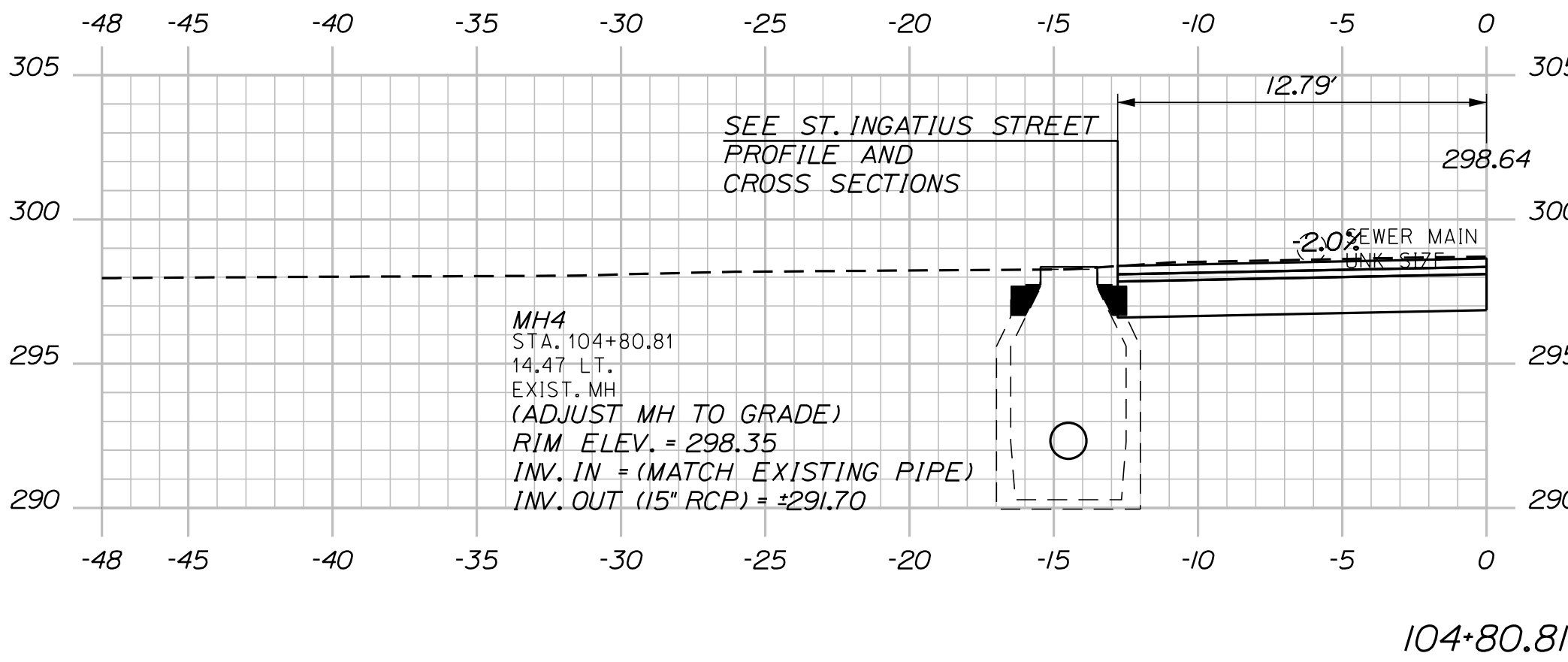
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CATCH BASIN
CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

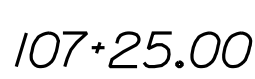
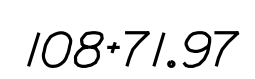
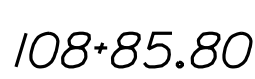
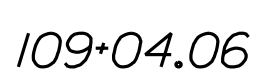
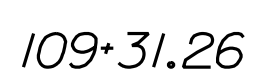
SIGNATURE _____
P.E. NUMBER _____
DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

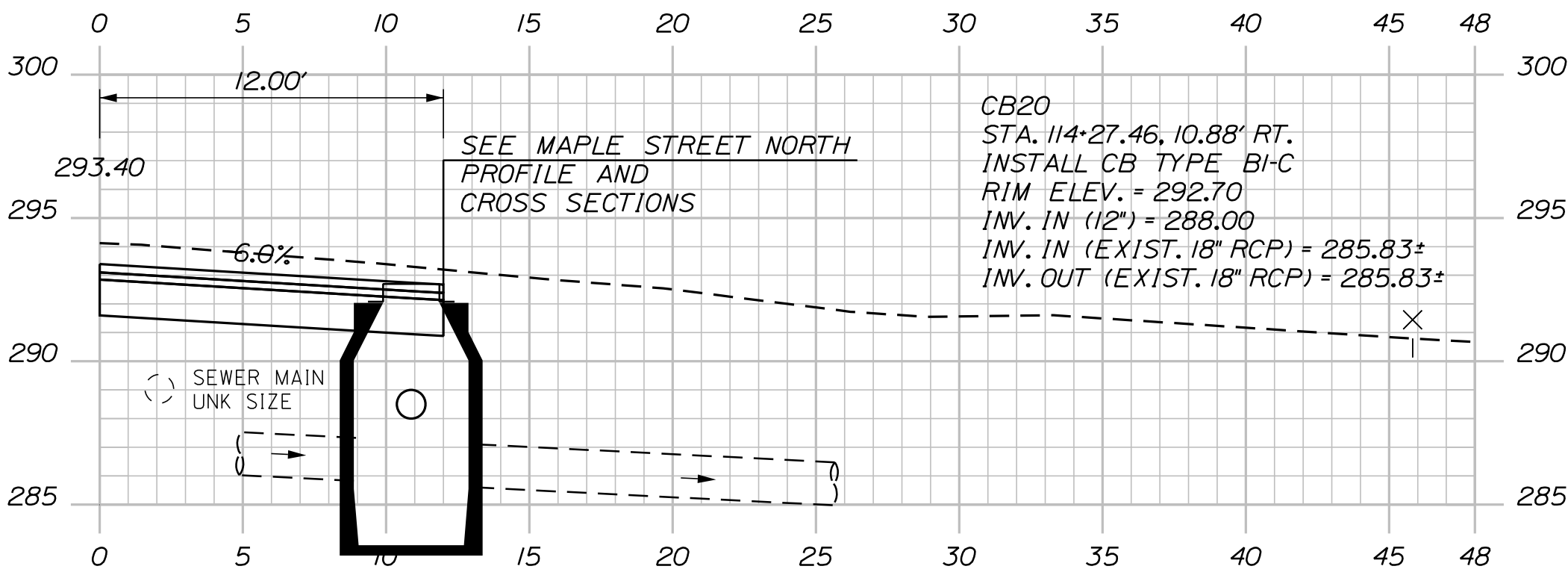
WIN
025335.00



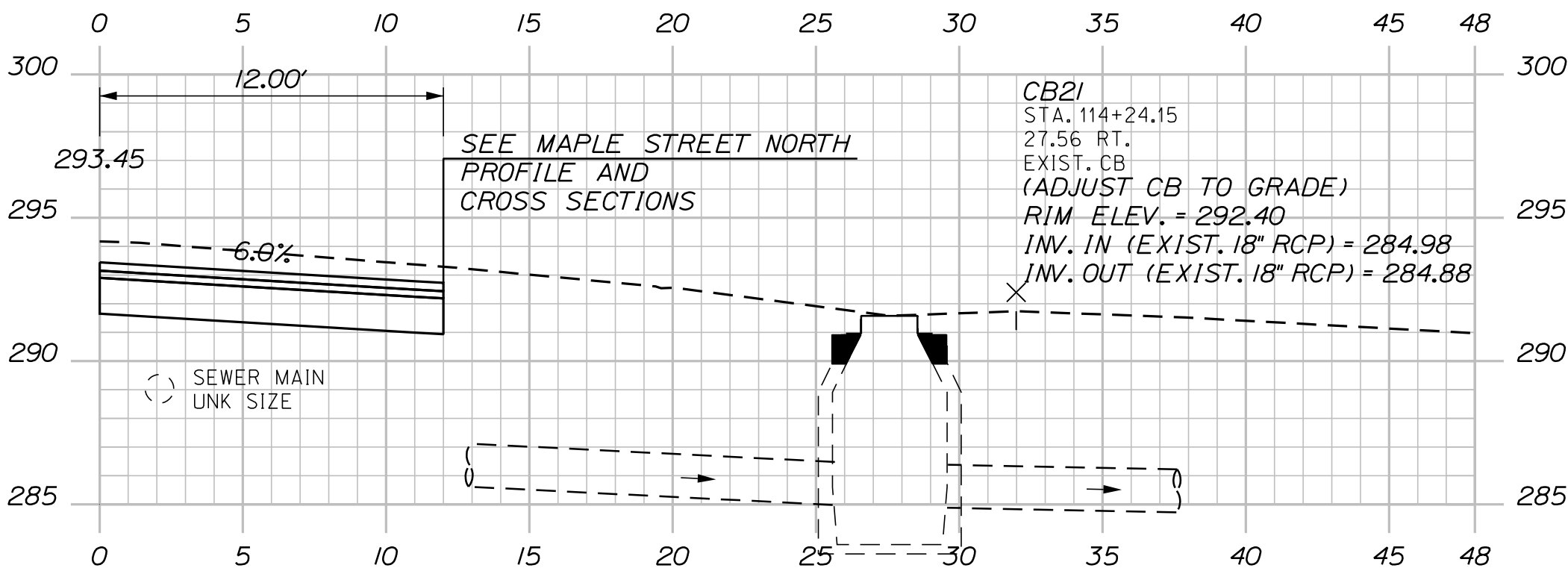
Sia. 102+32.79 to Sta. 104+80.81



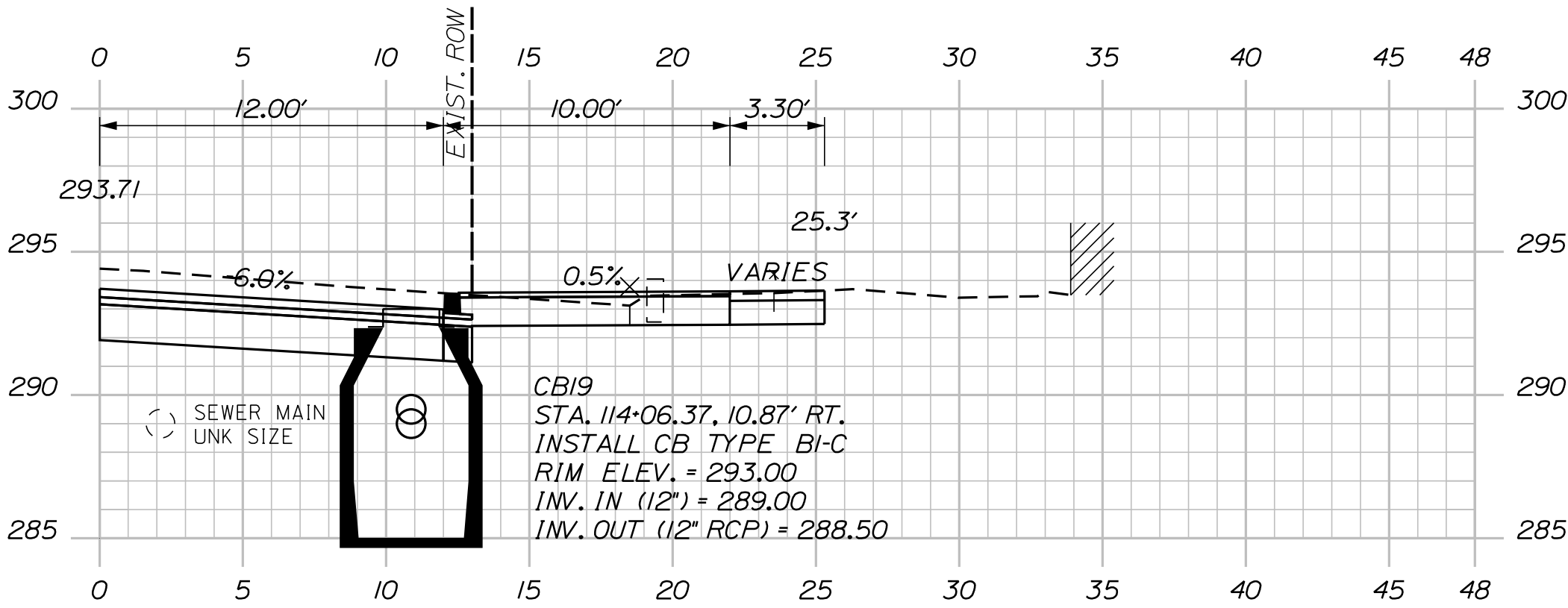
WIN
025335.00



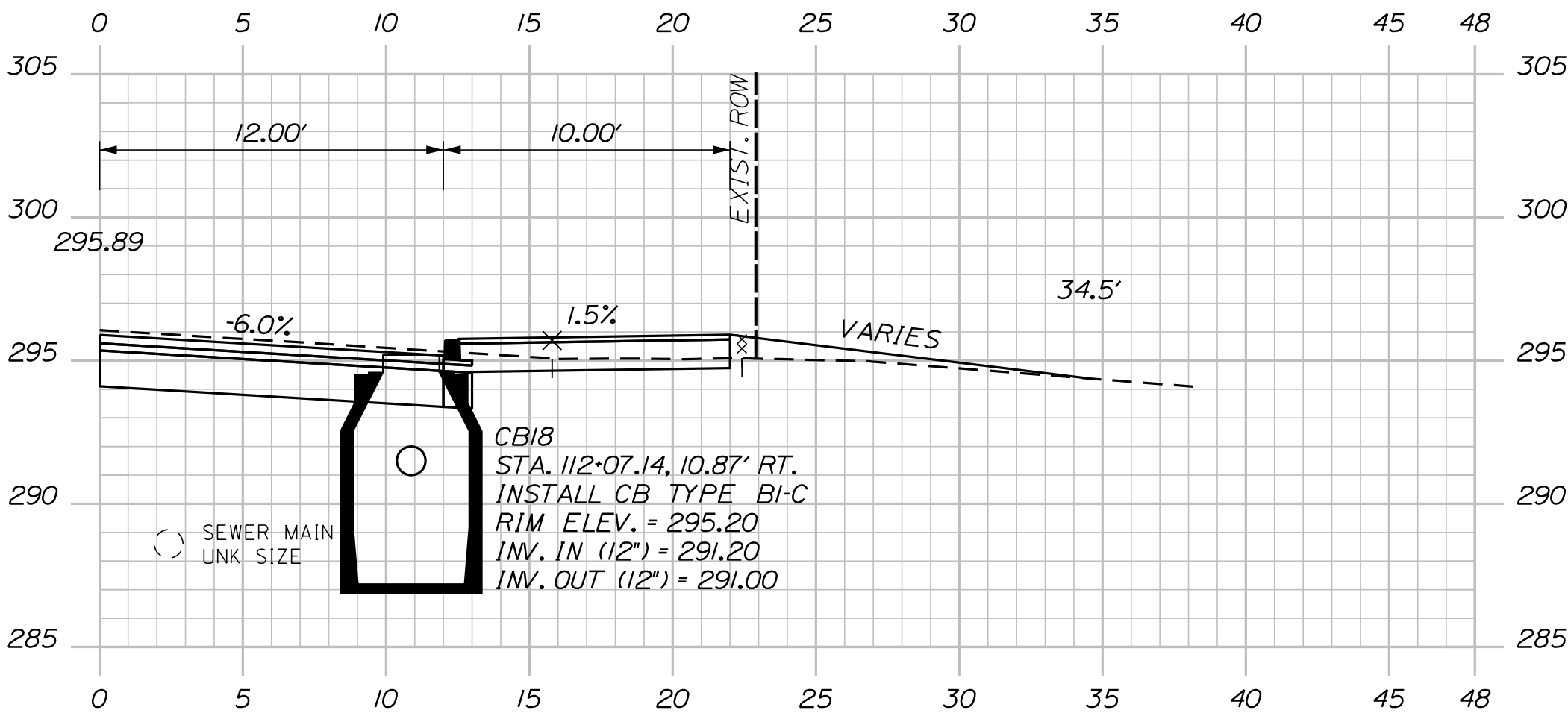
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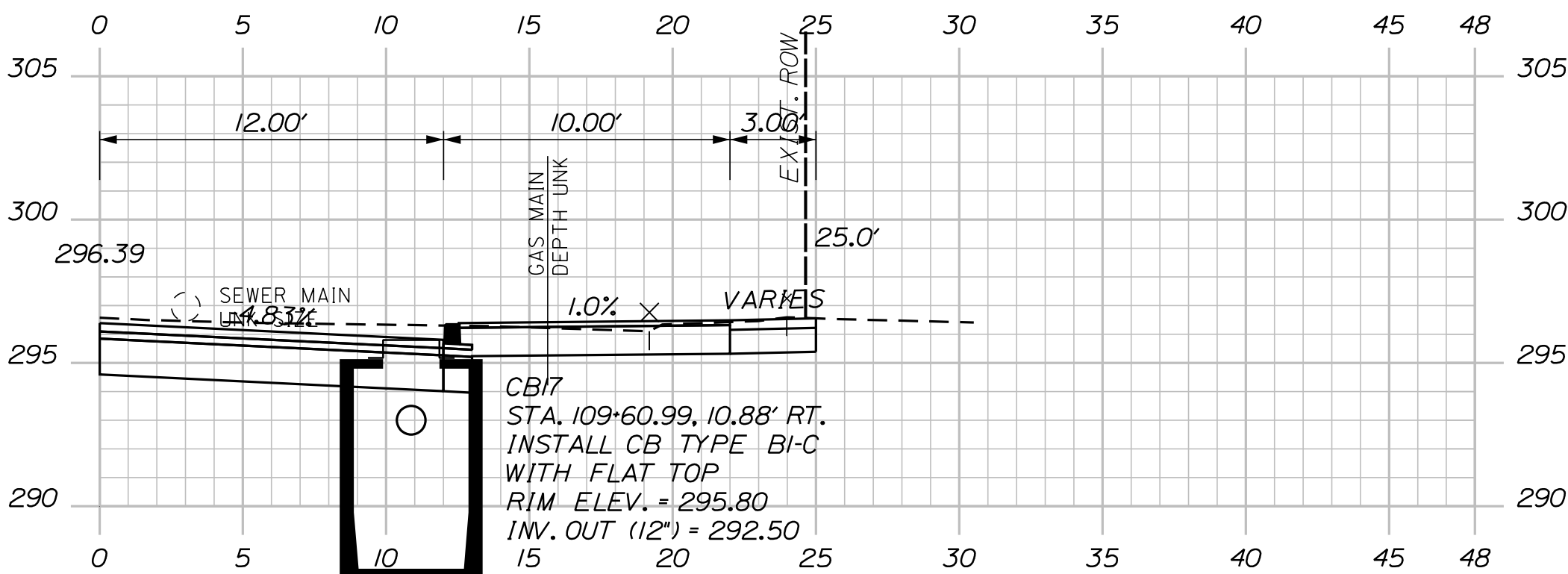
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114+06.37



112+07.14



109+60.99

Sta. 109+60.99 to Sta. 114+27.46

OF 106

98

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CATCH BASIN
CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

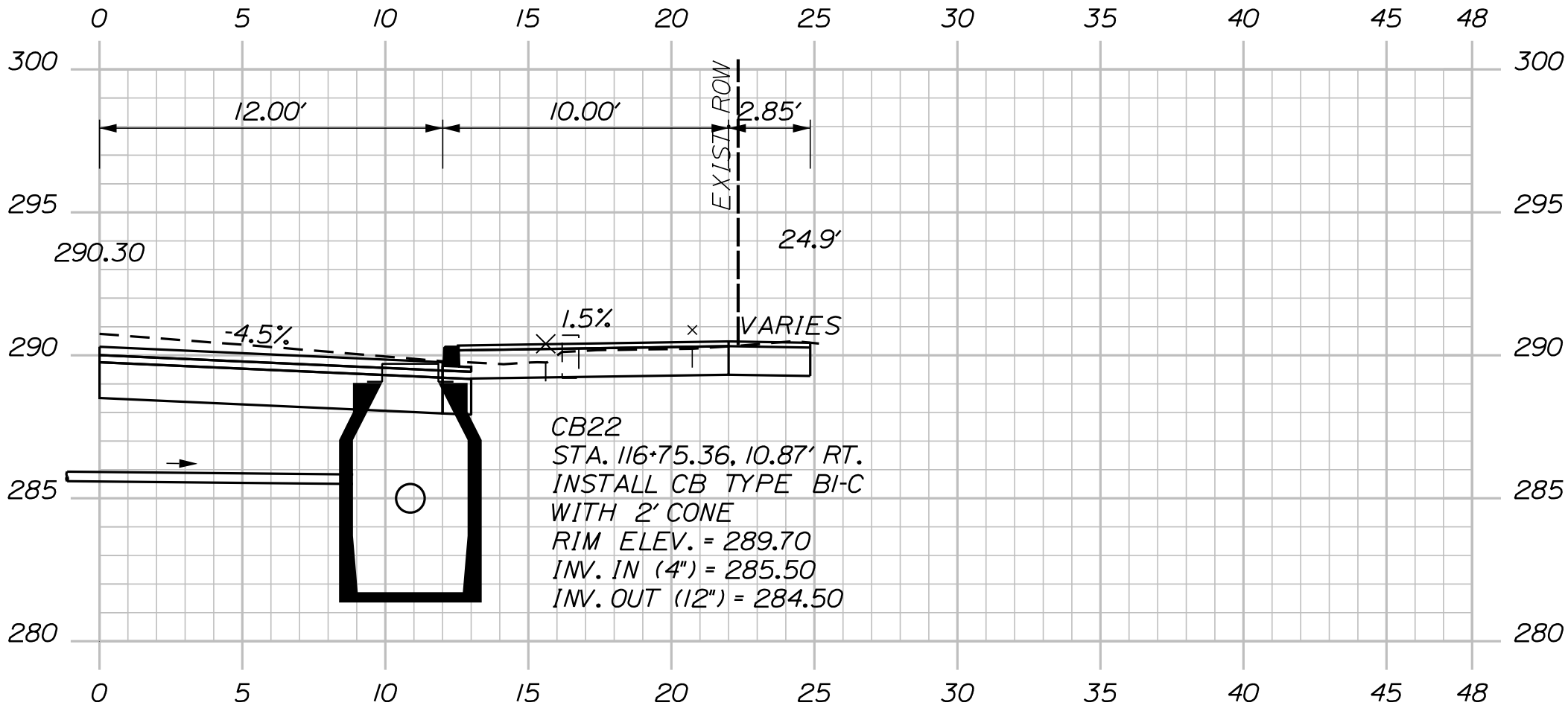
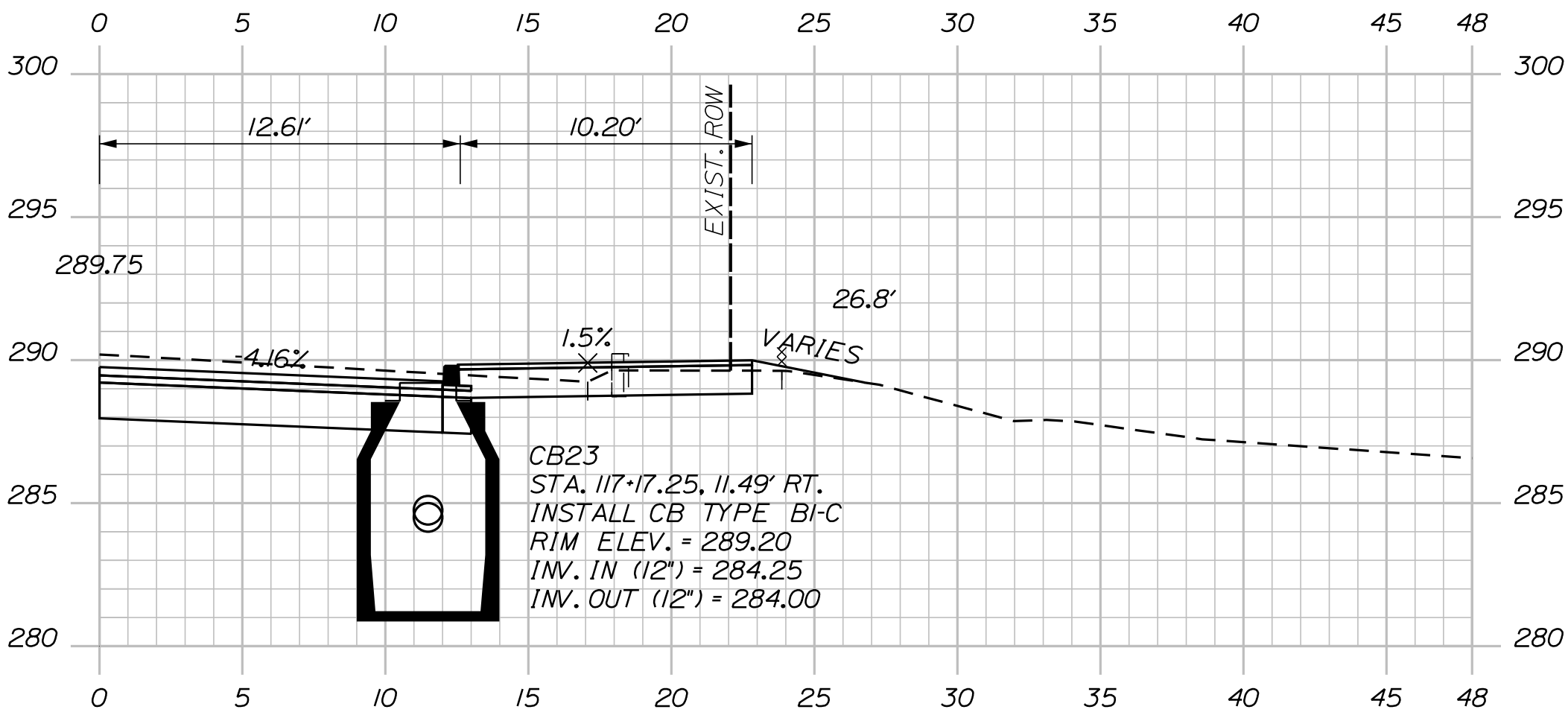
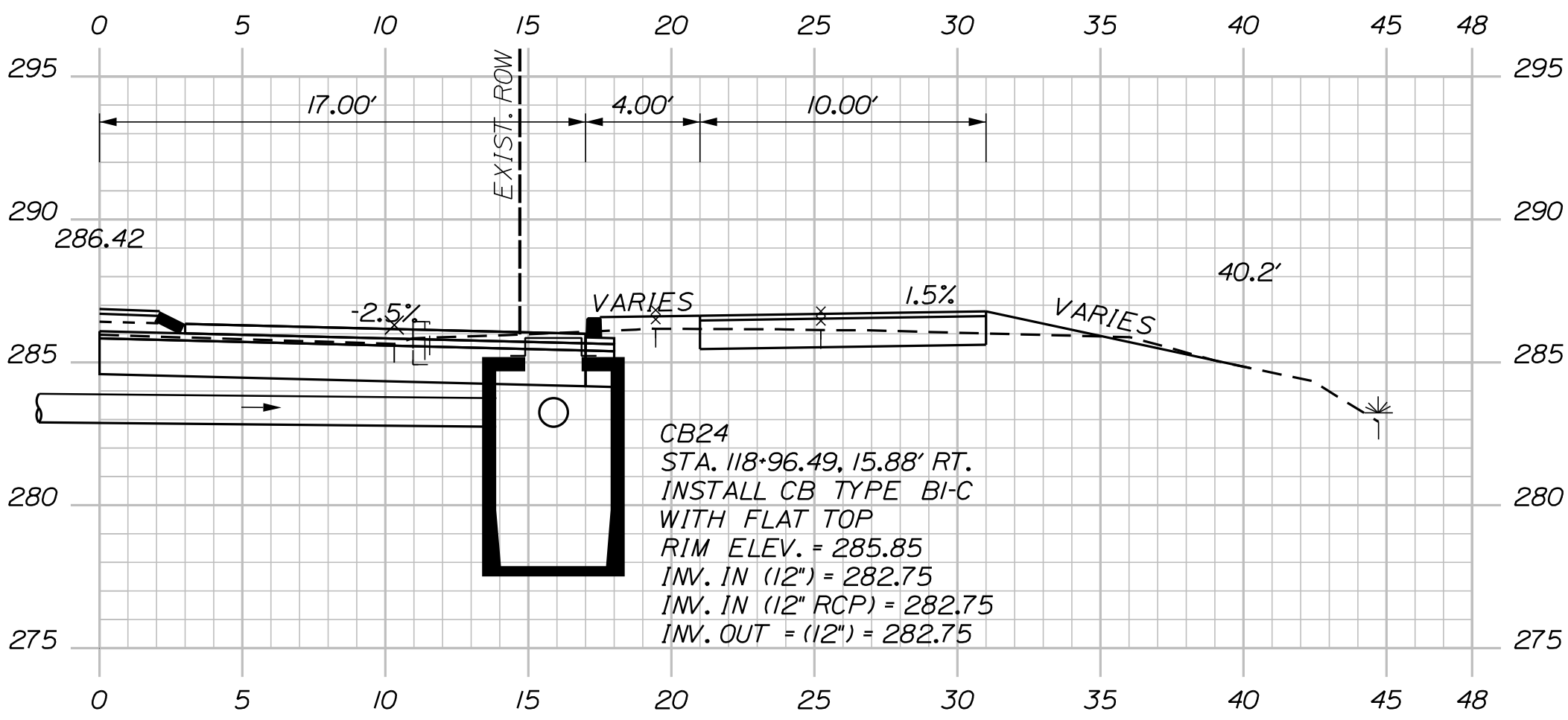
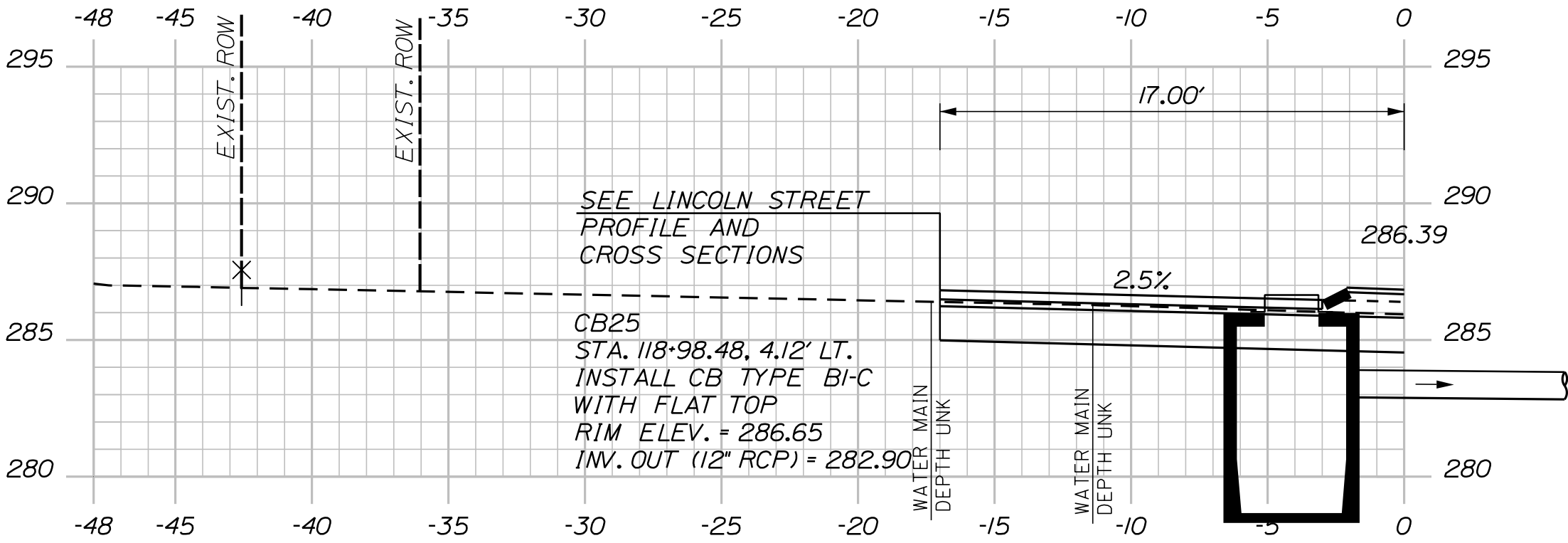
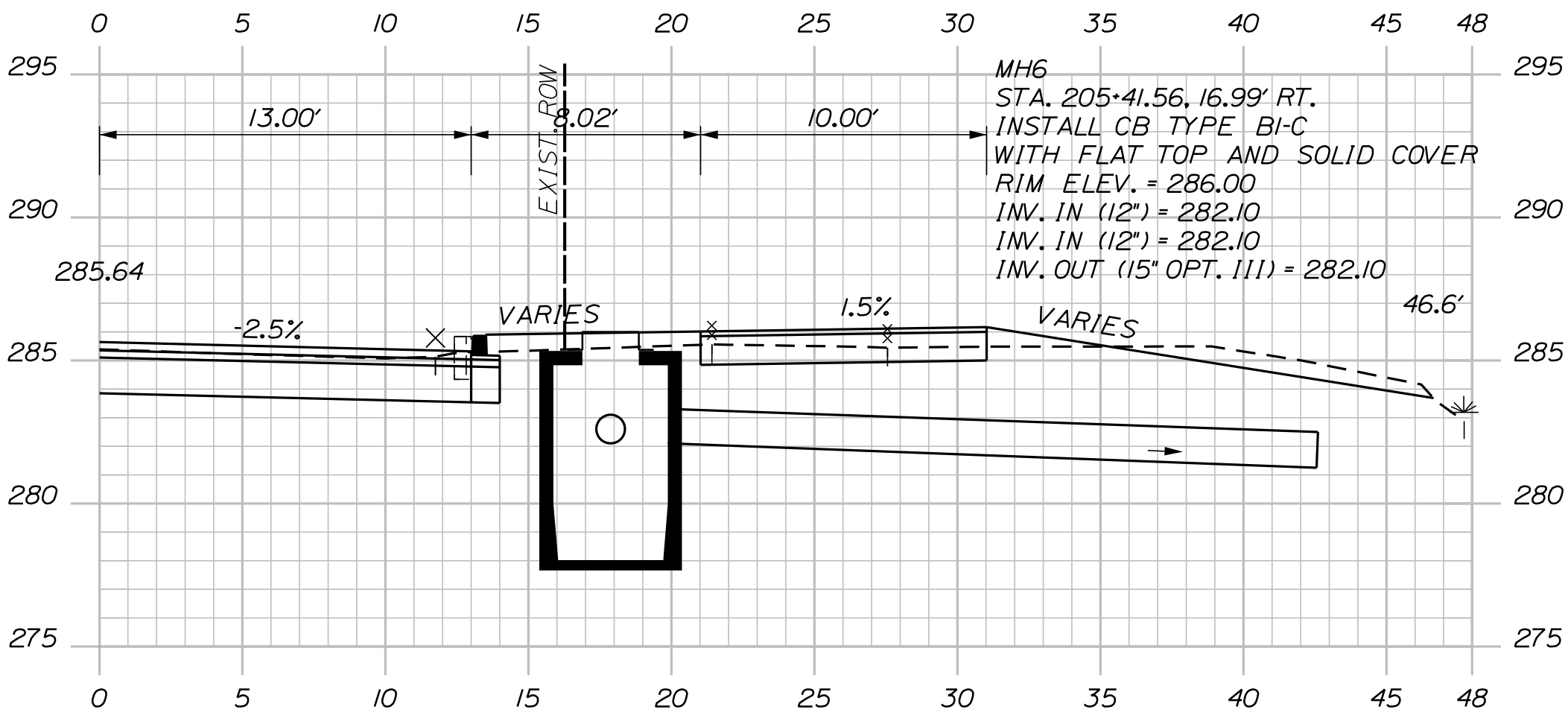
SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00



Sta. 116+75.36 to Sta. 205+41.56

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CATCH BASIN
CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09\25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09\25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

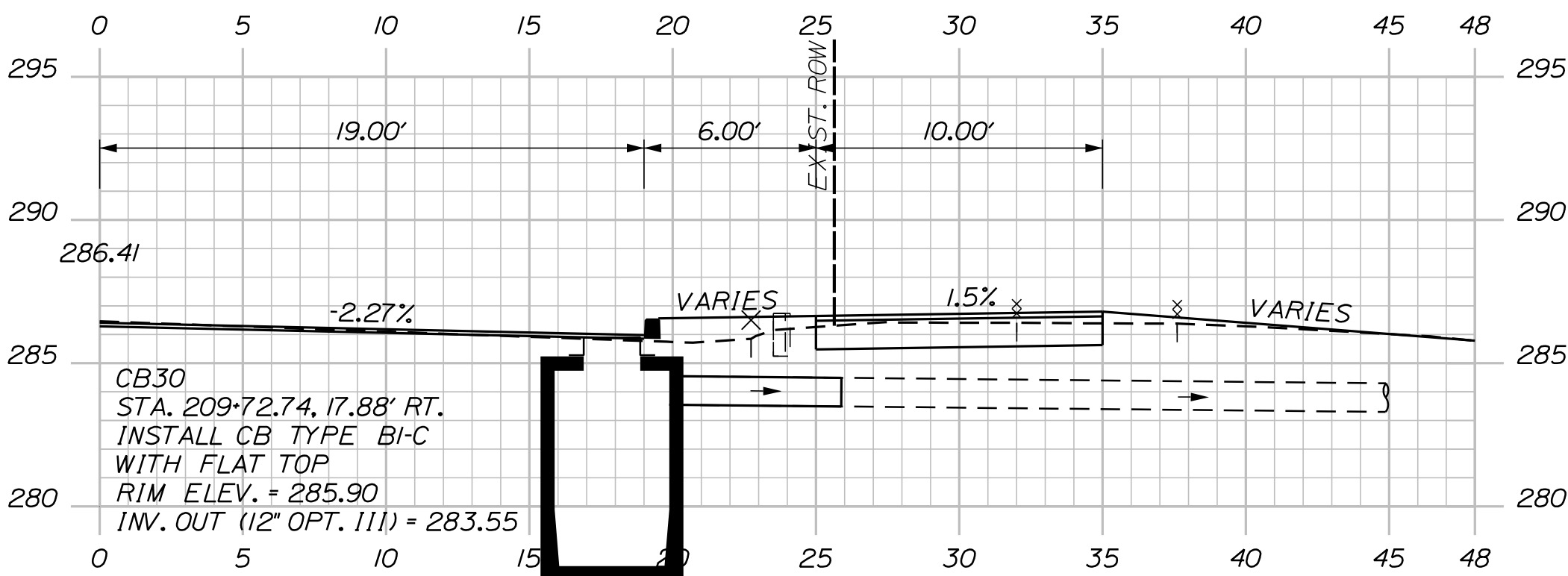
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P.E. NUMBER

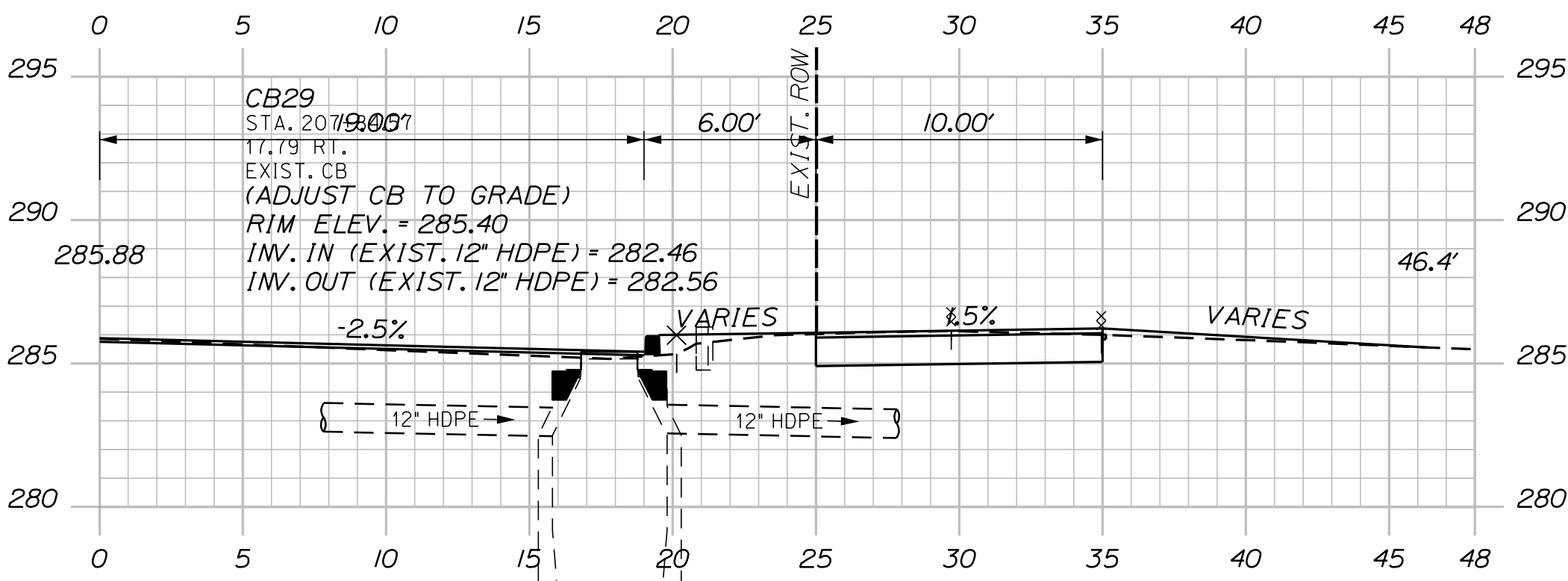
DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

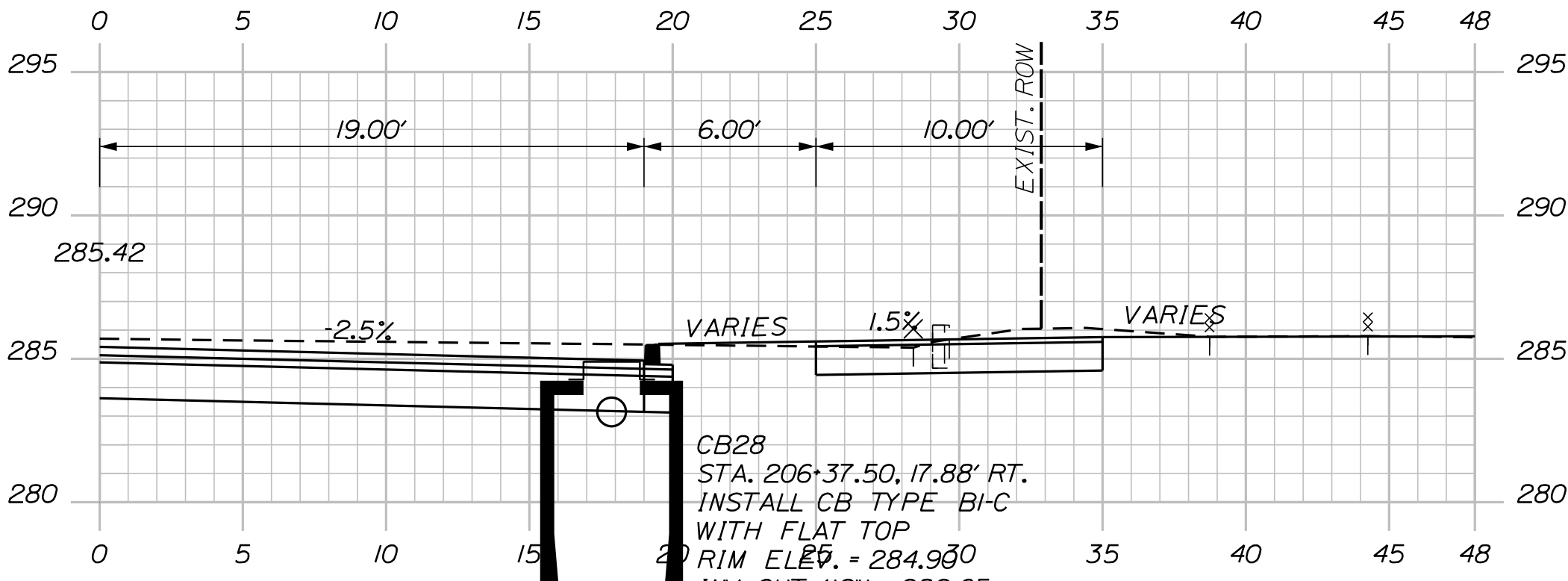
WIN
025335.00



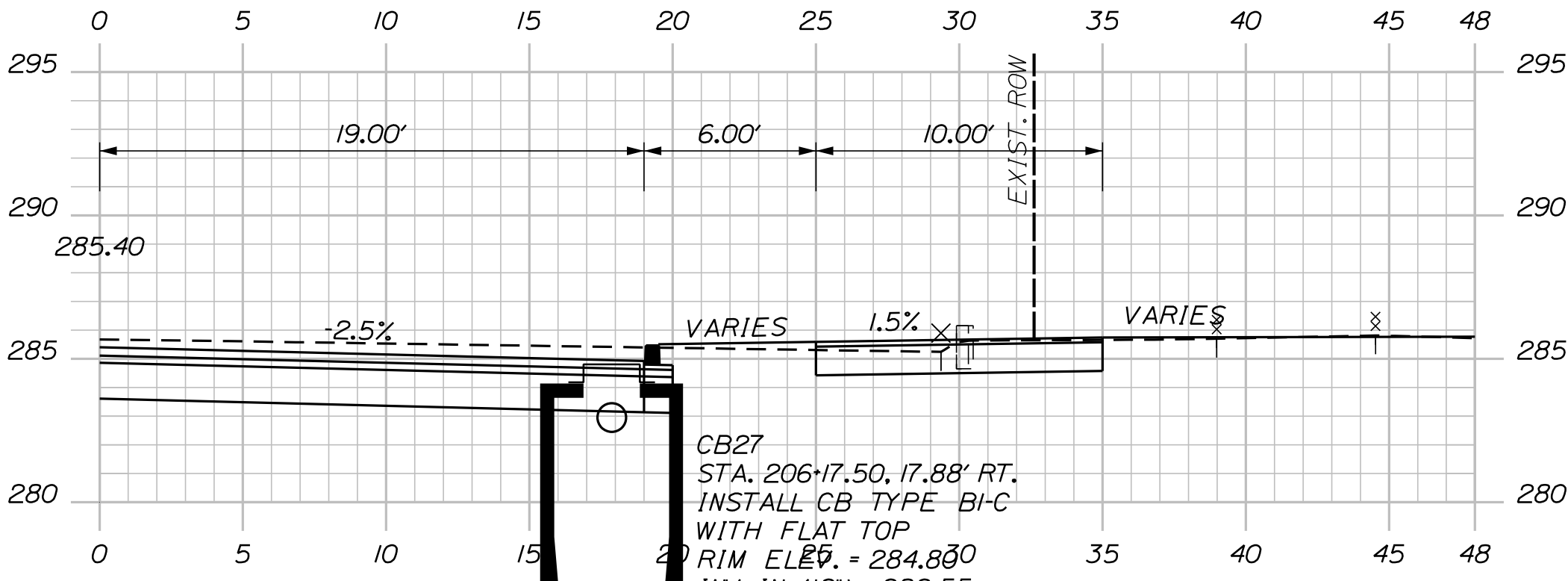
209+72.74



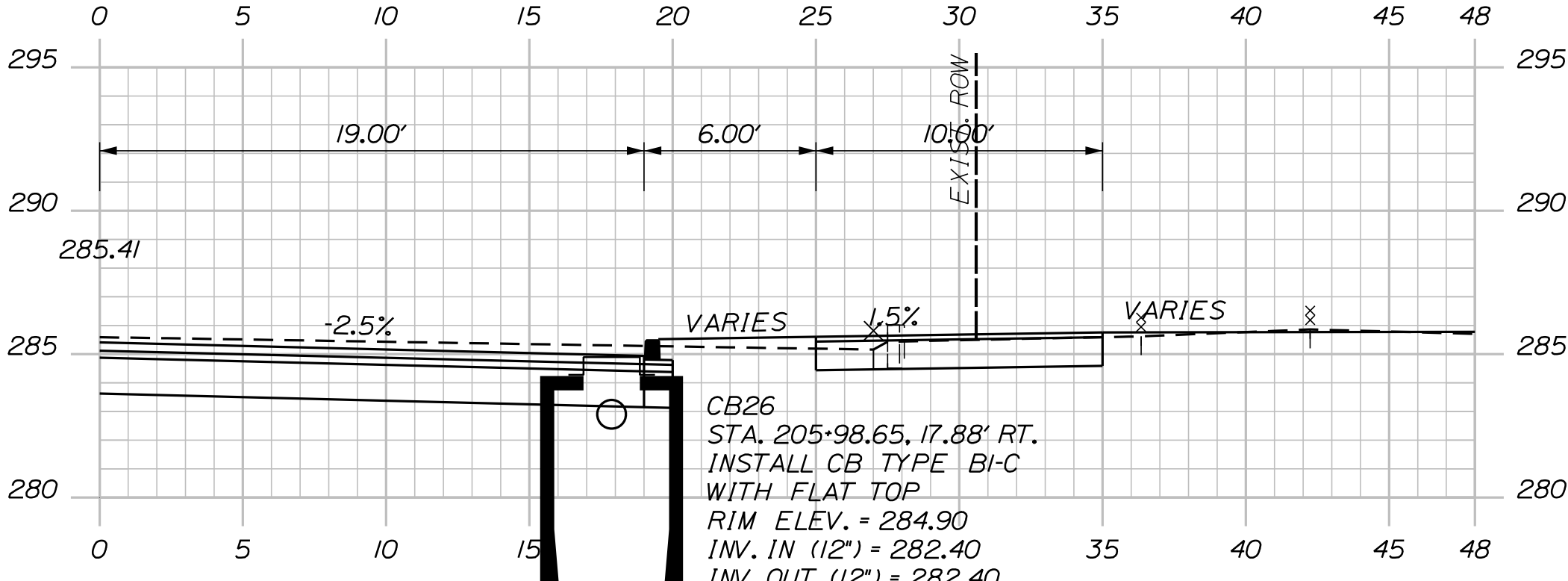
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206+37.50

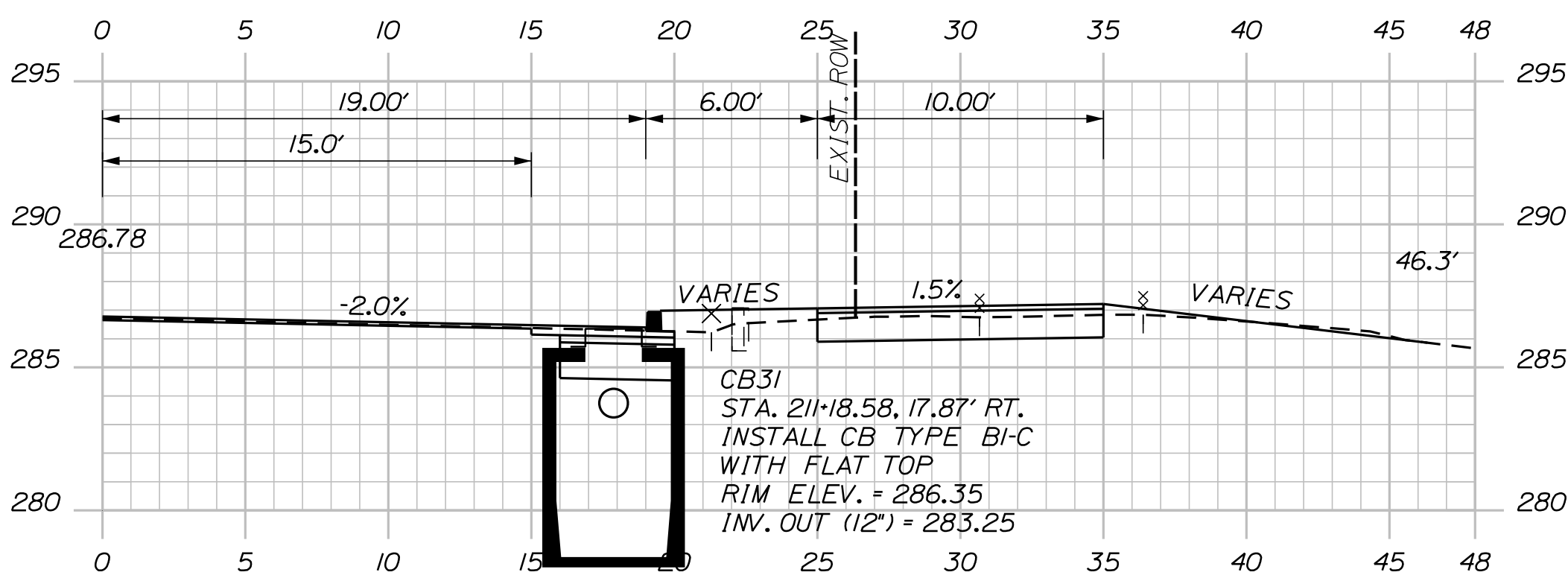
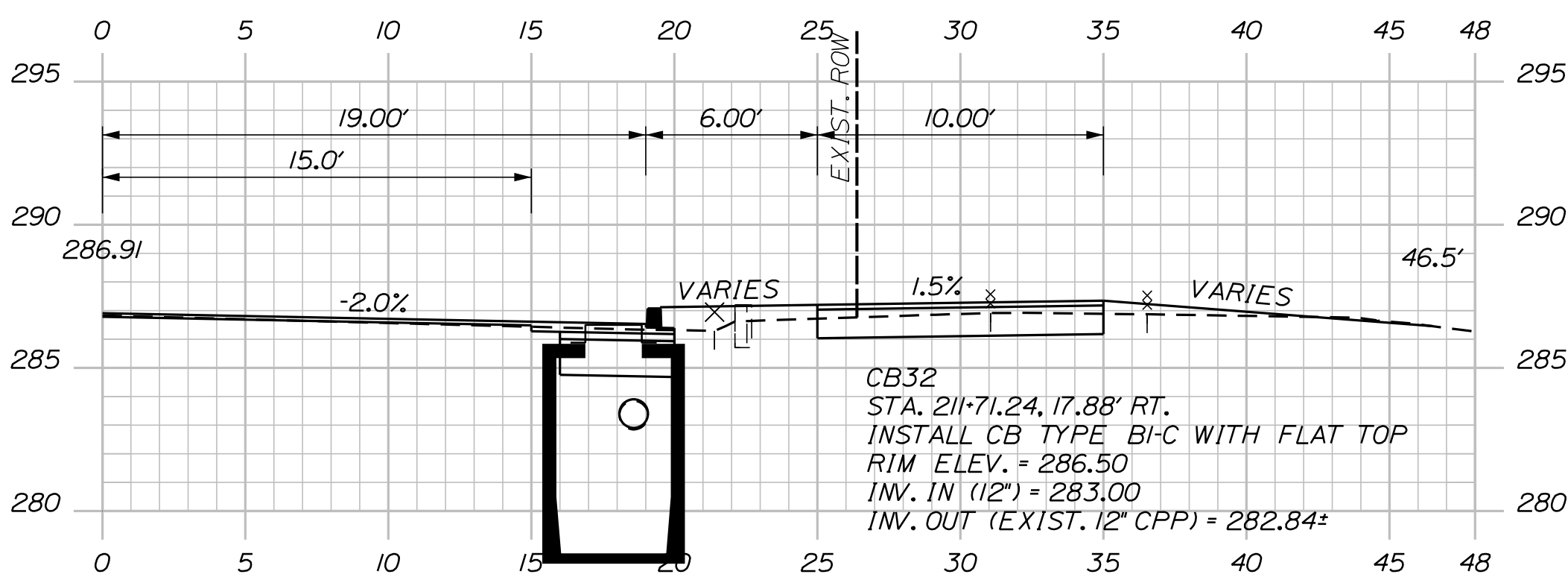
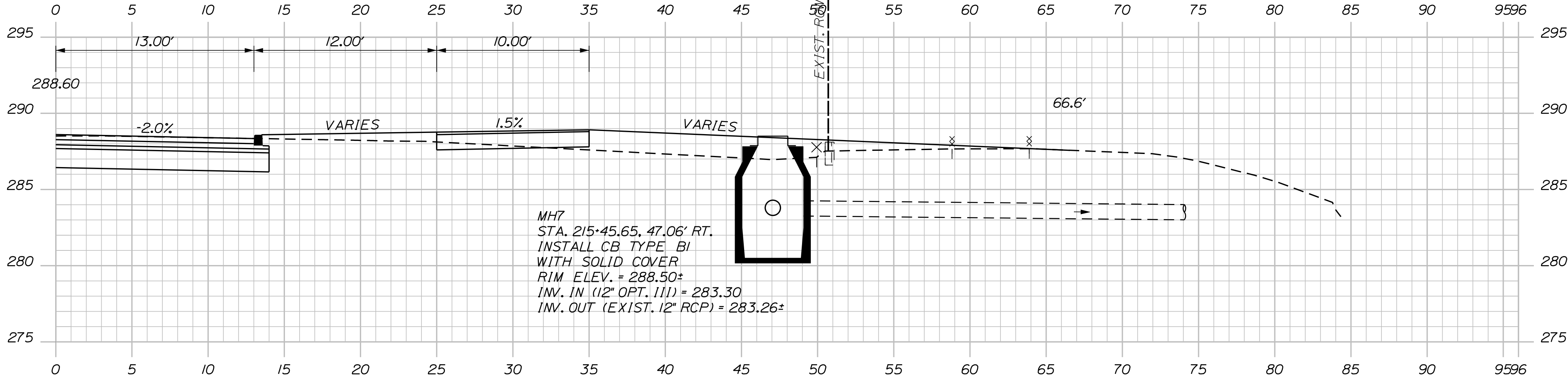
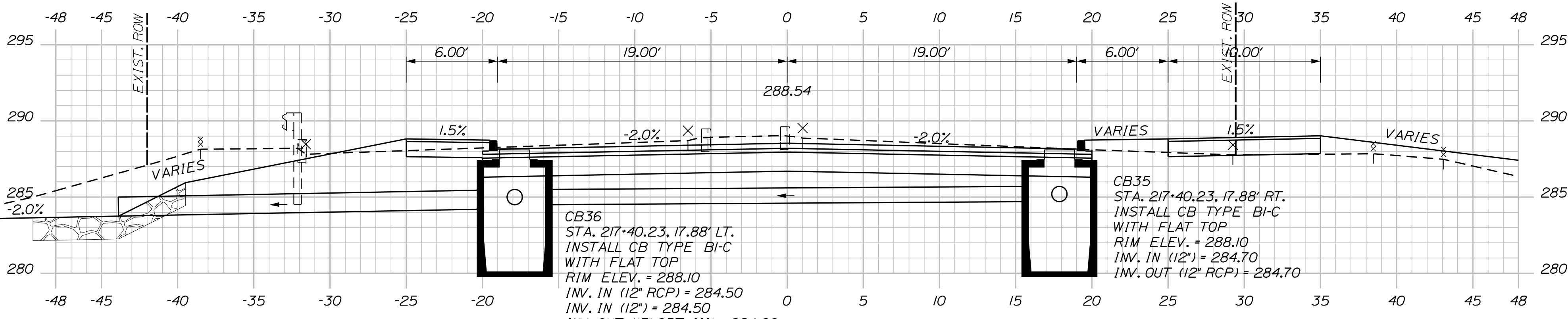
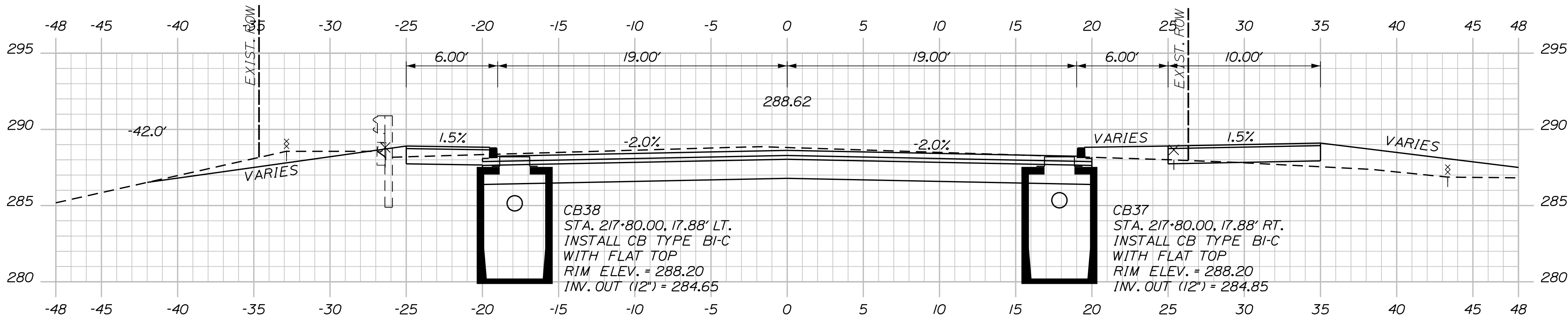


206+17.50

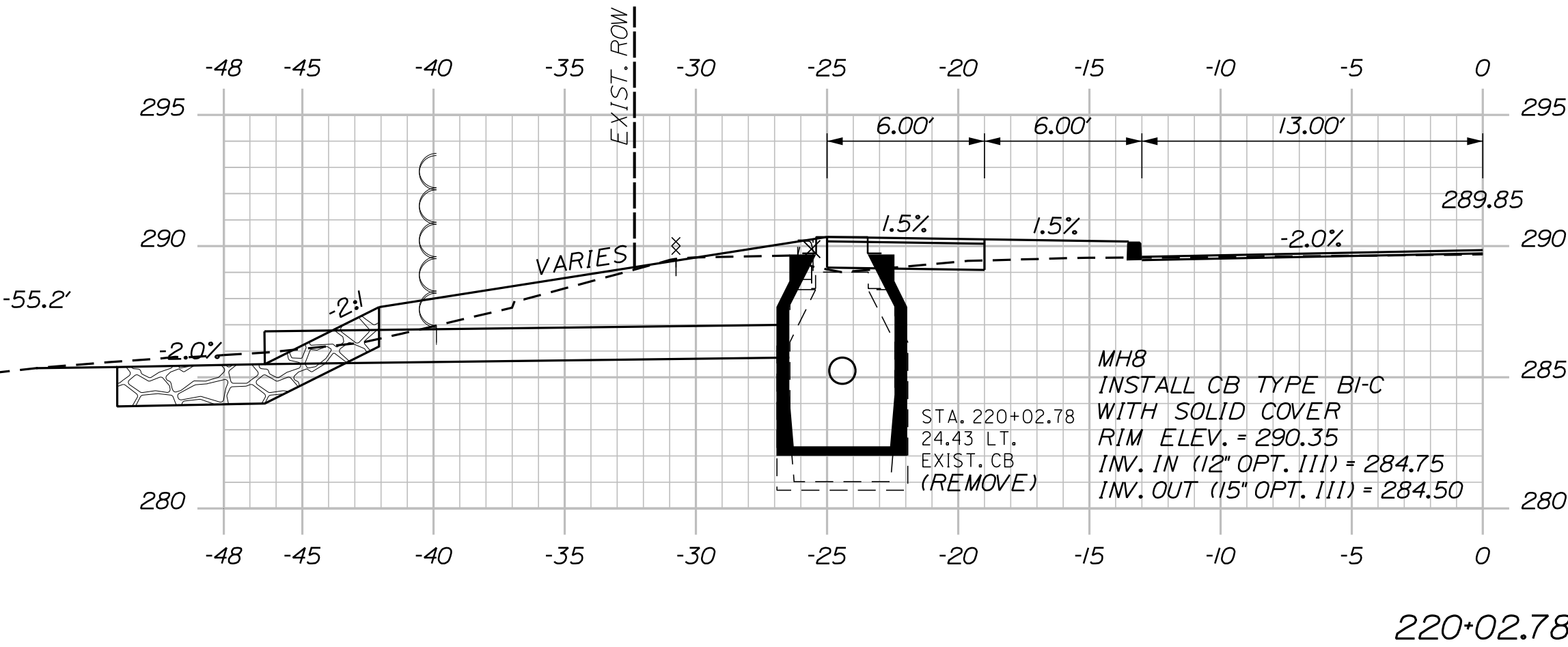
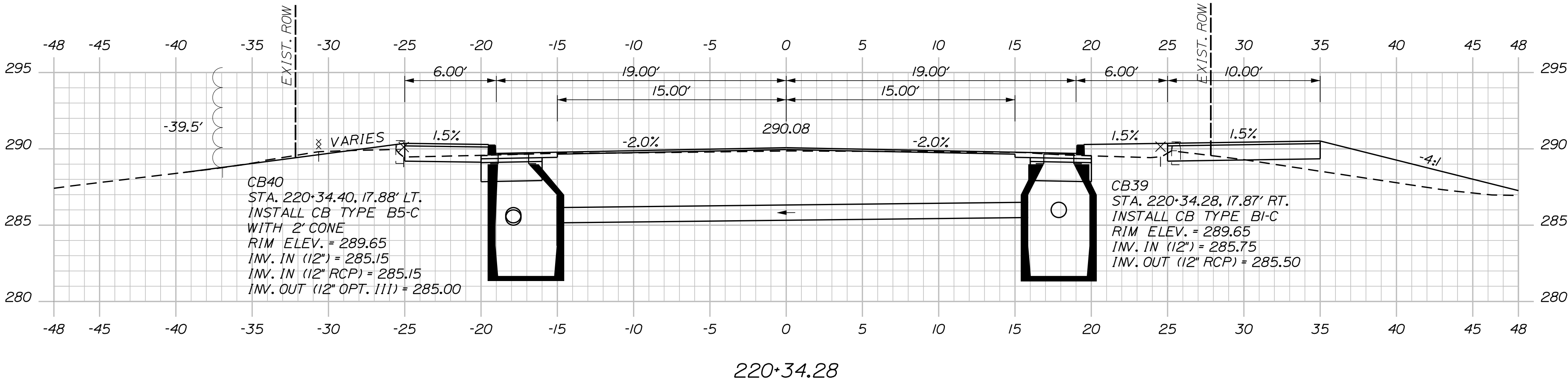
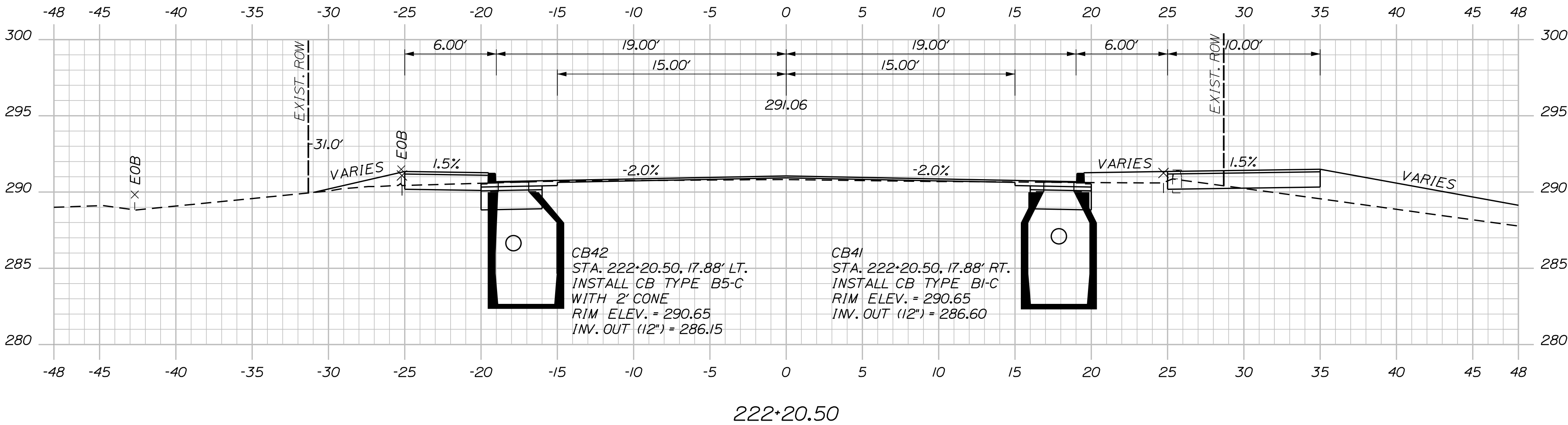
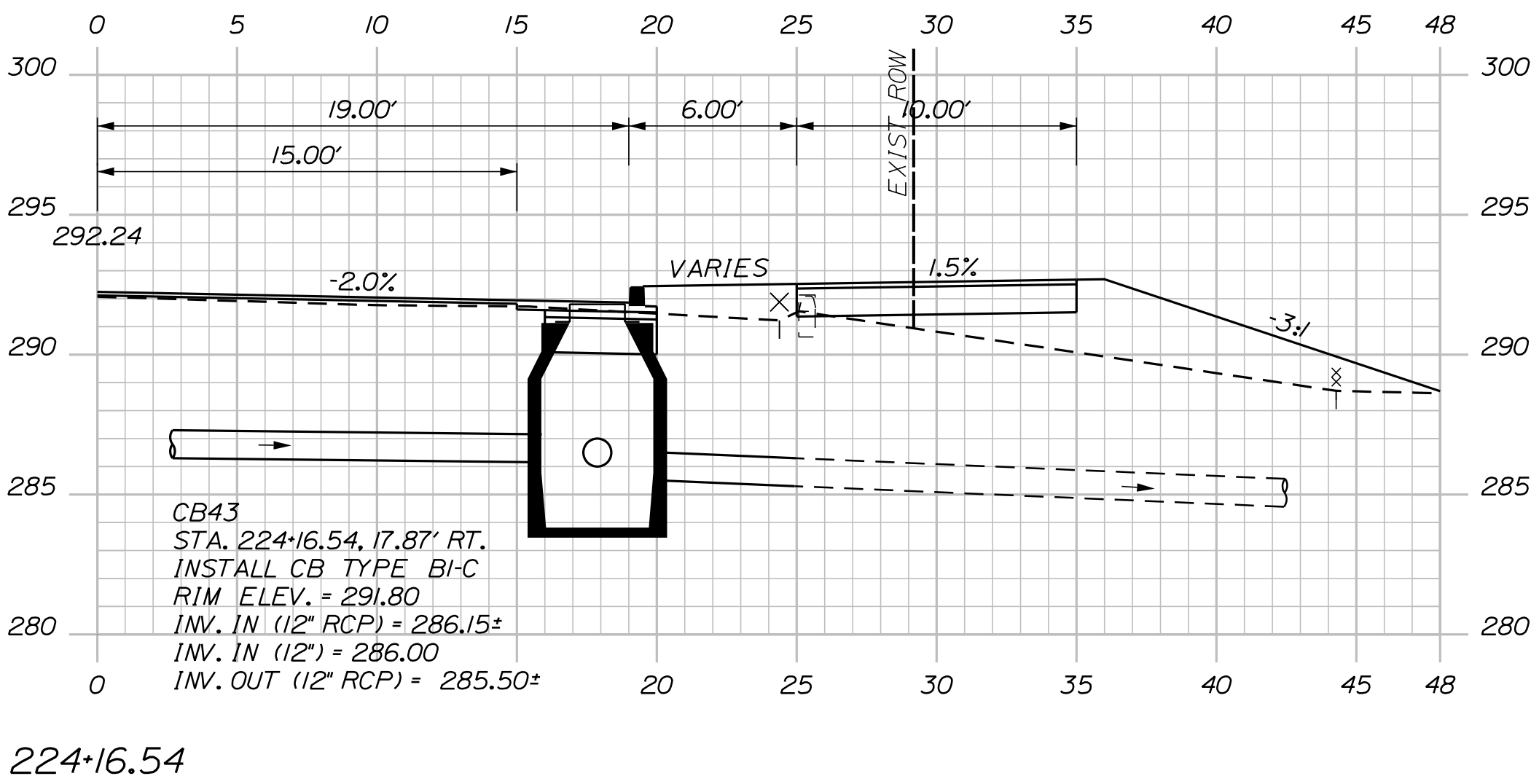
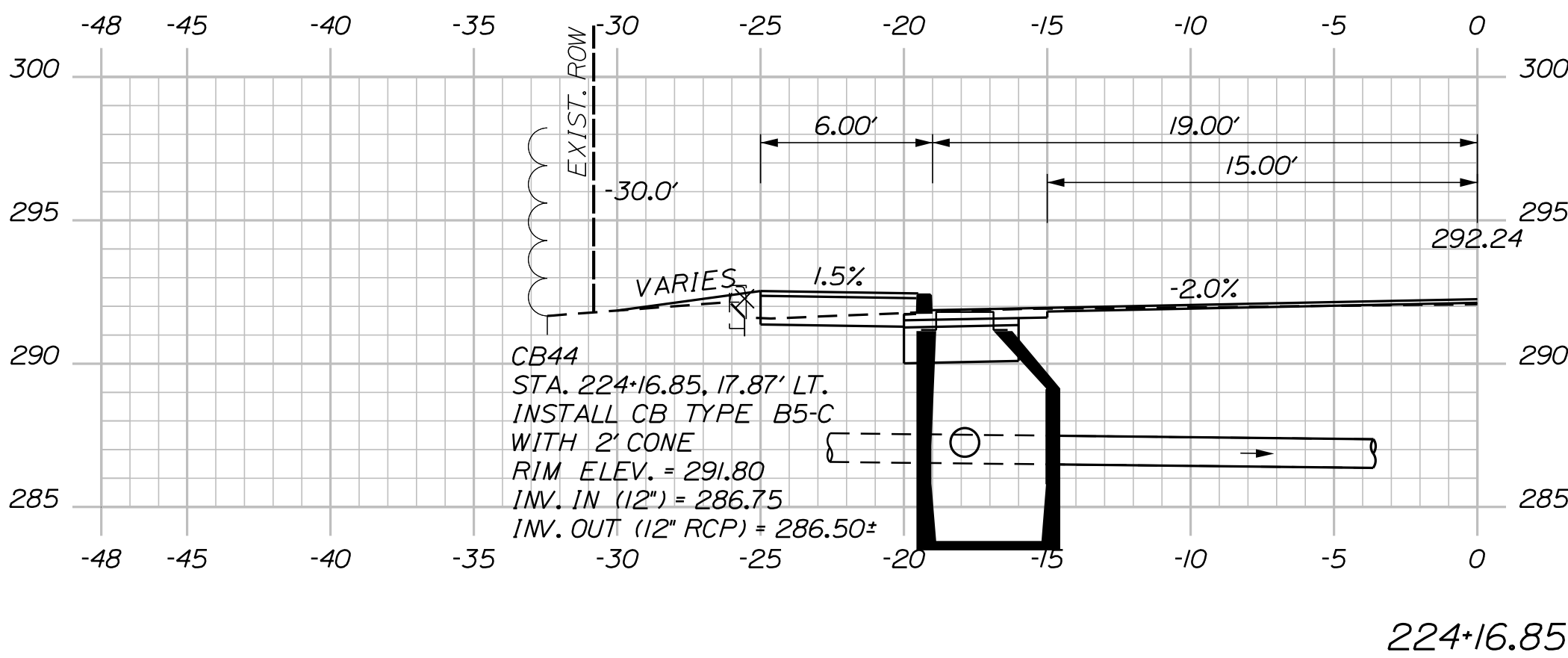


205+98.65

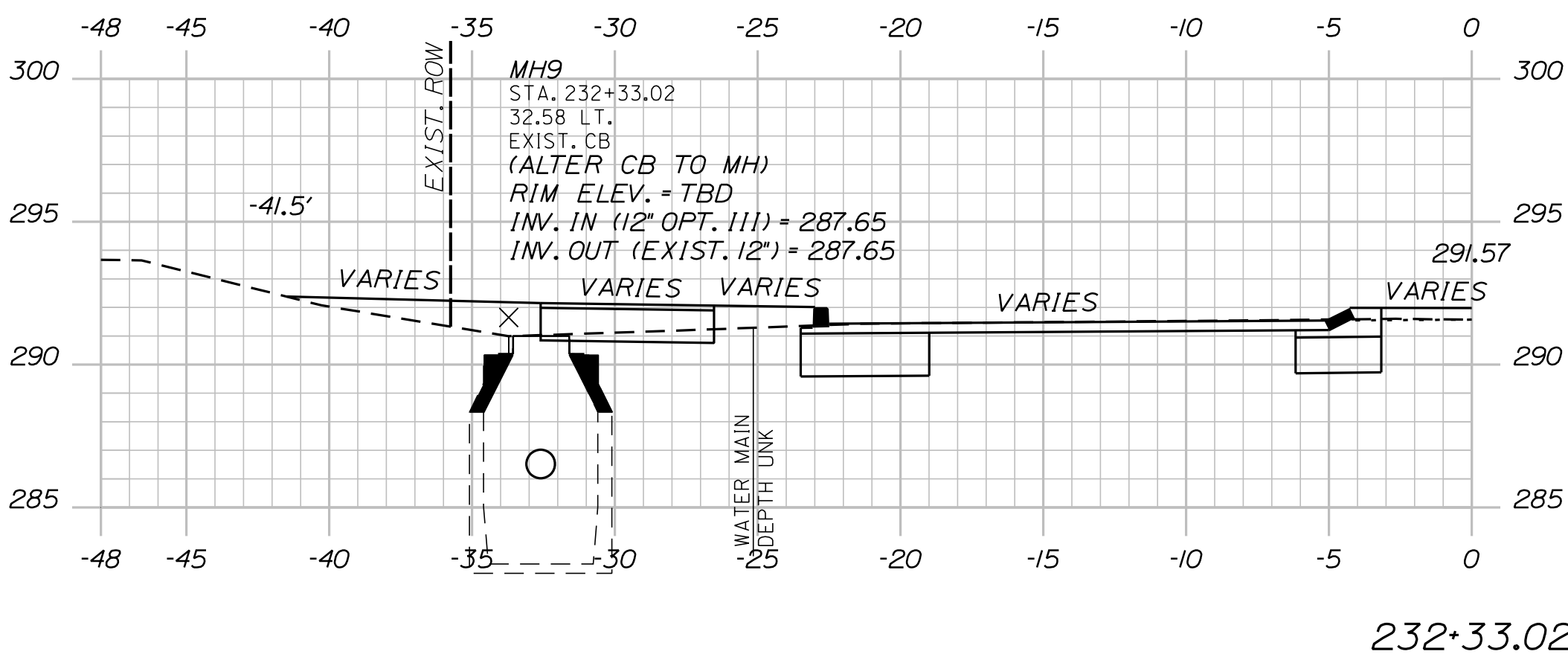
Sta. 205+98.65 to Sta. 209+72.74



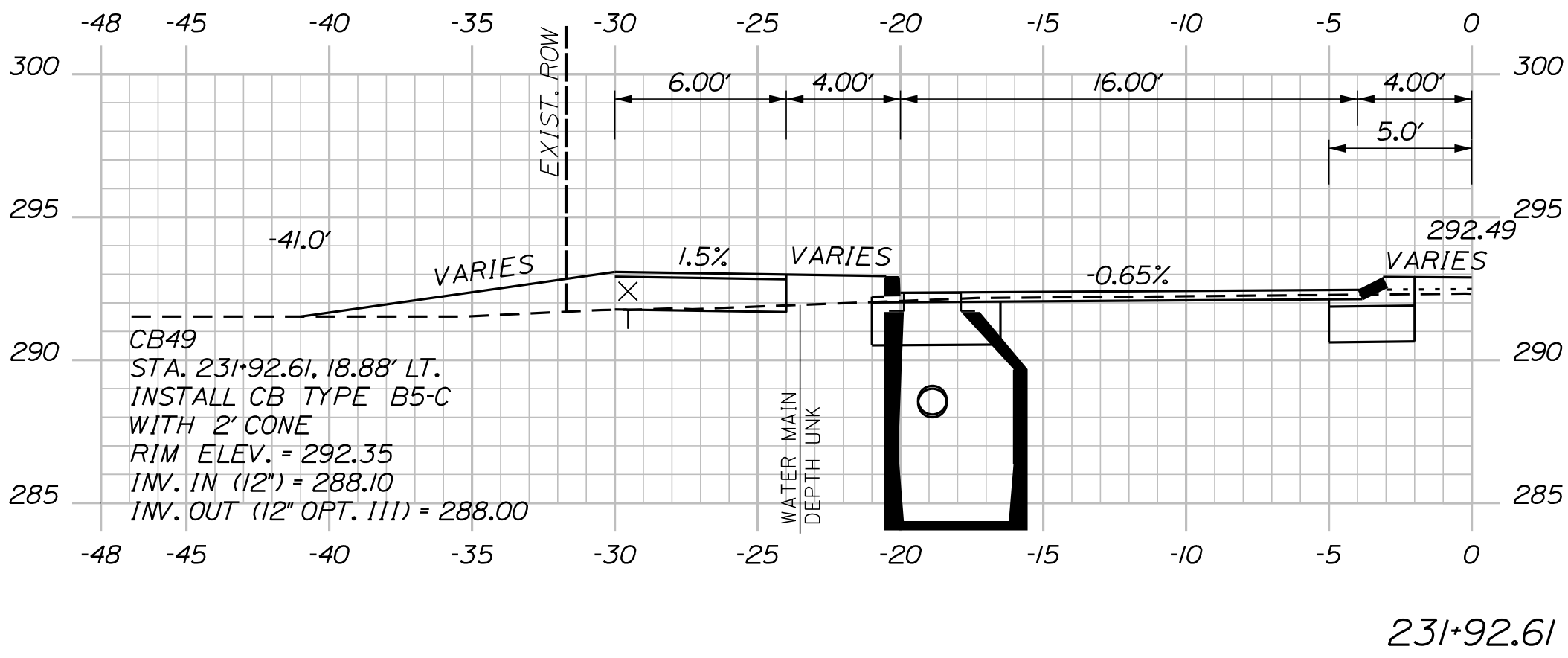
Sta. A 211+18.58 to Sta. A 217+80.00



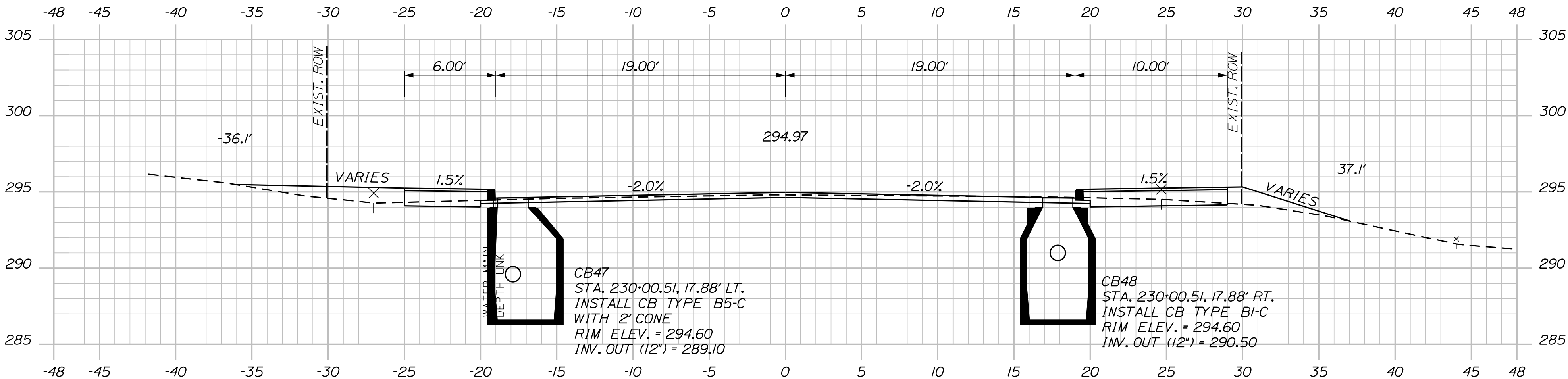
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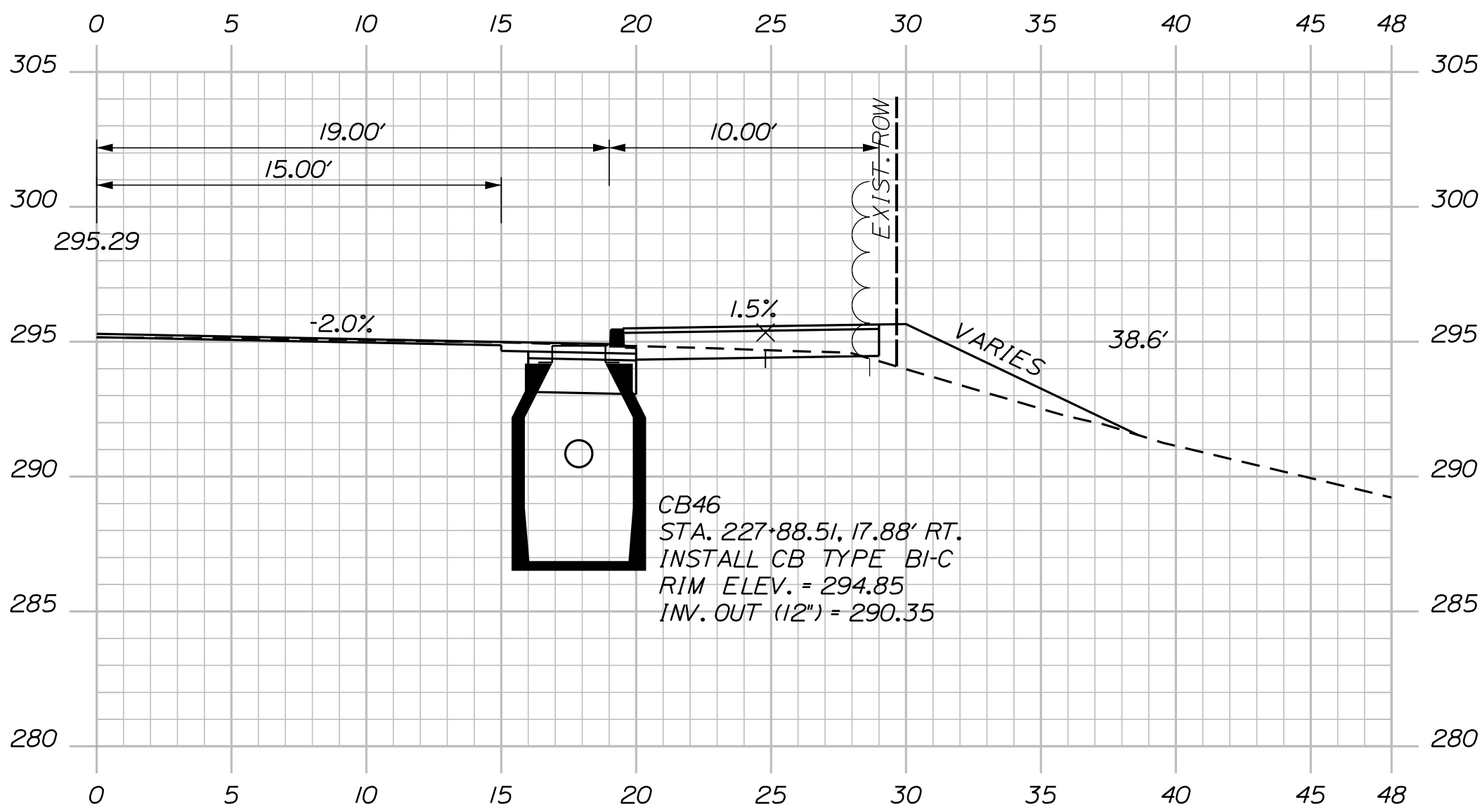
232+33.02



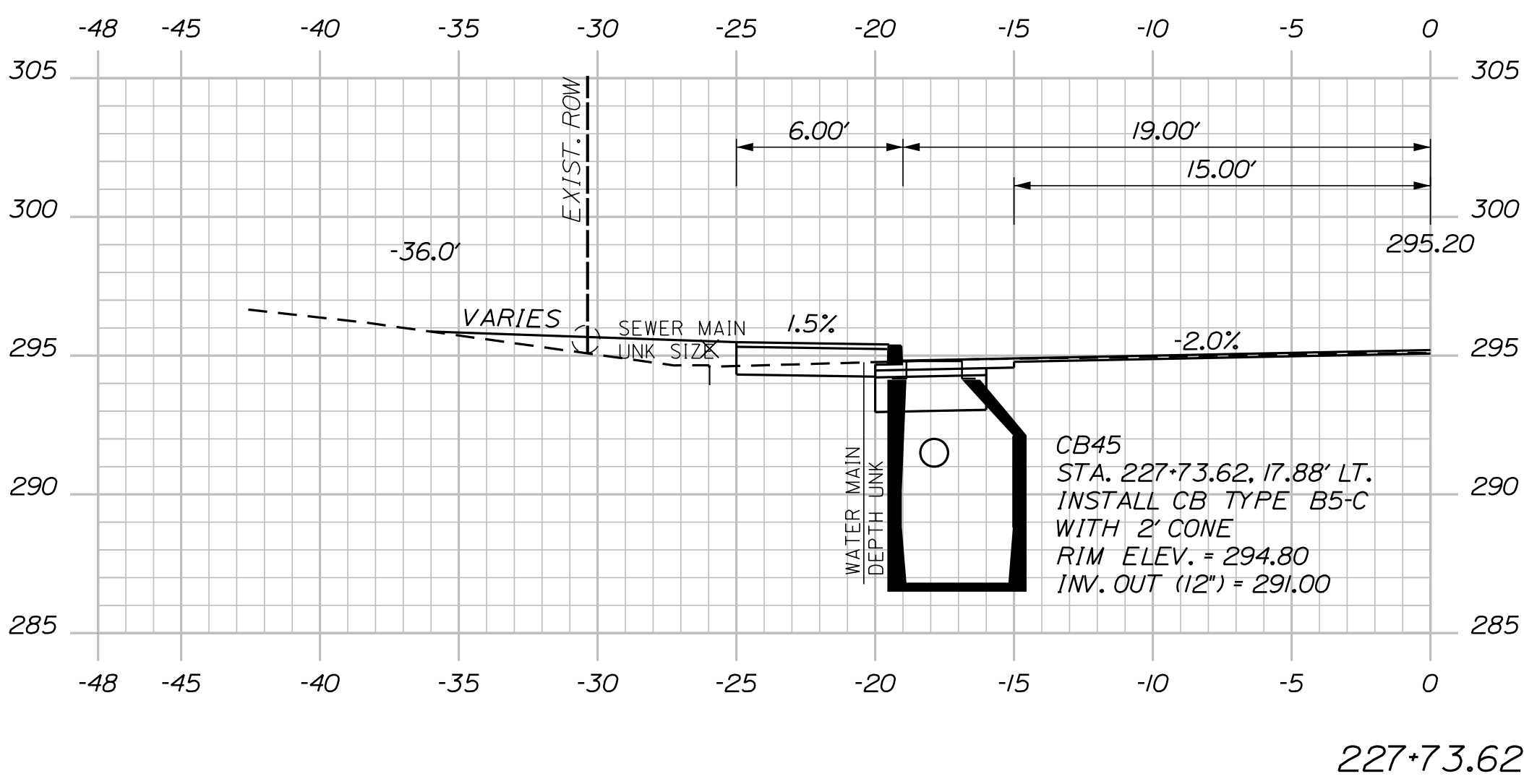
231+92.61



230+00.51

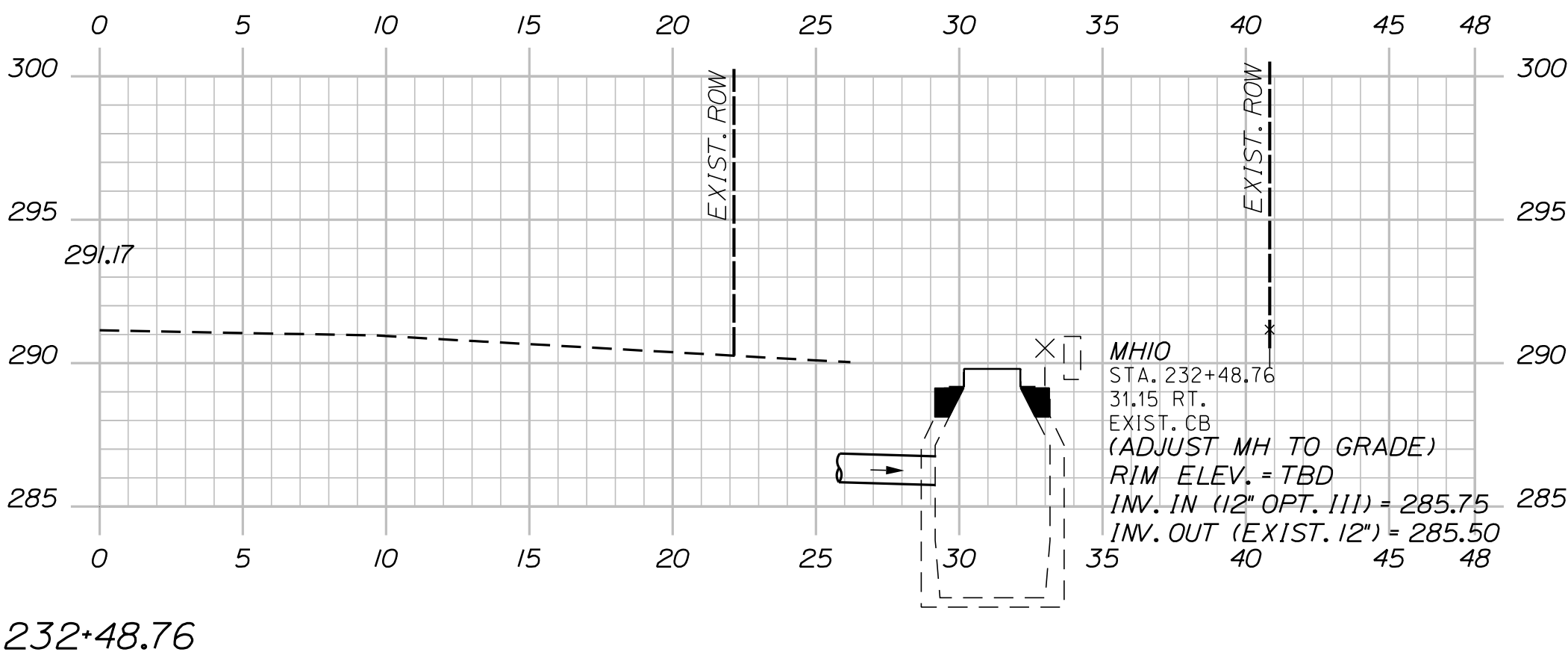
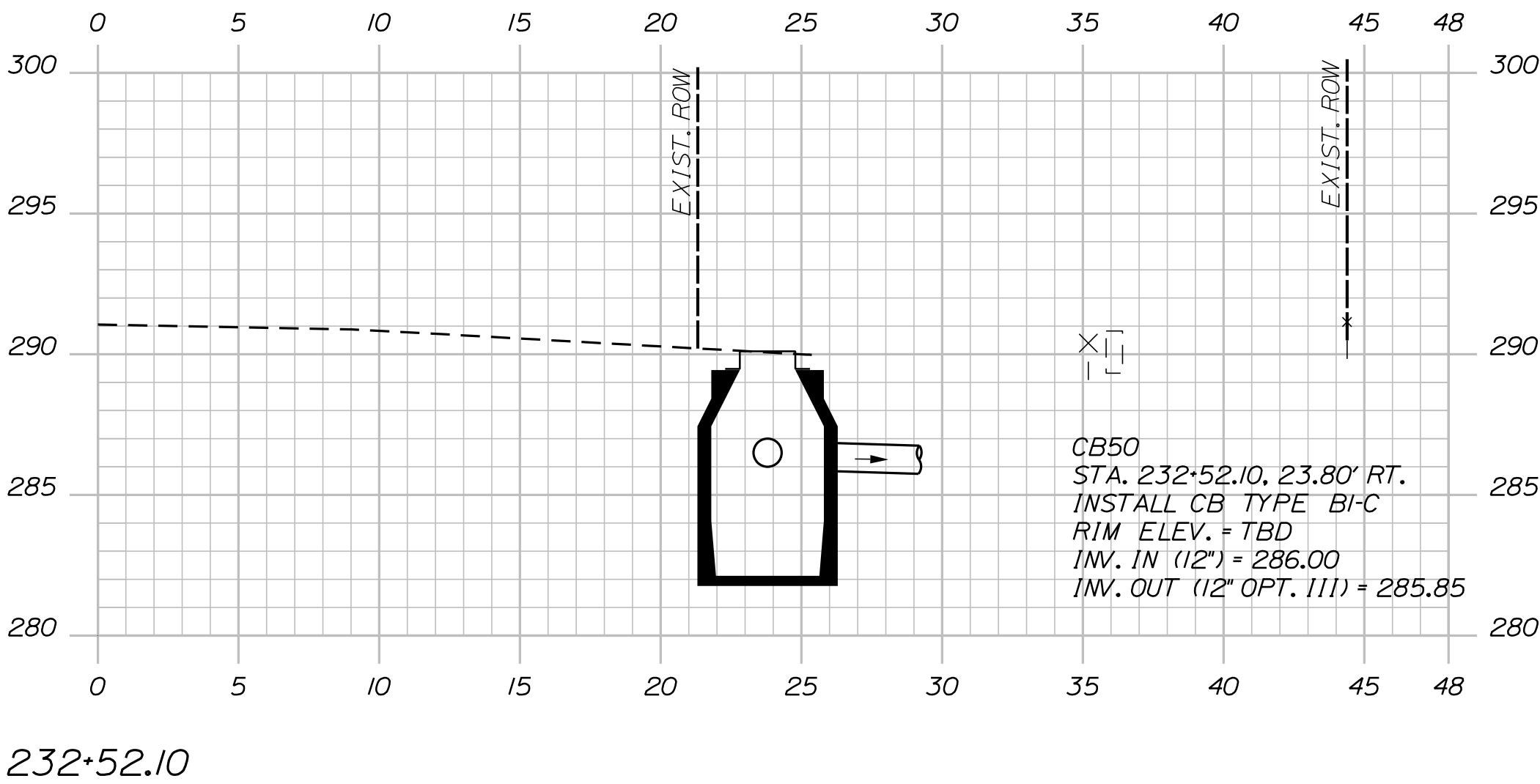


227+88.51



227+73.62

Sta. A 227+73.62 to Sta. A 232+33.02



SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CATCH BASIN
CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	09/25
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	09/25
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

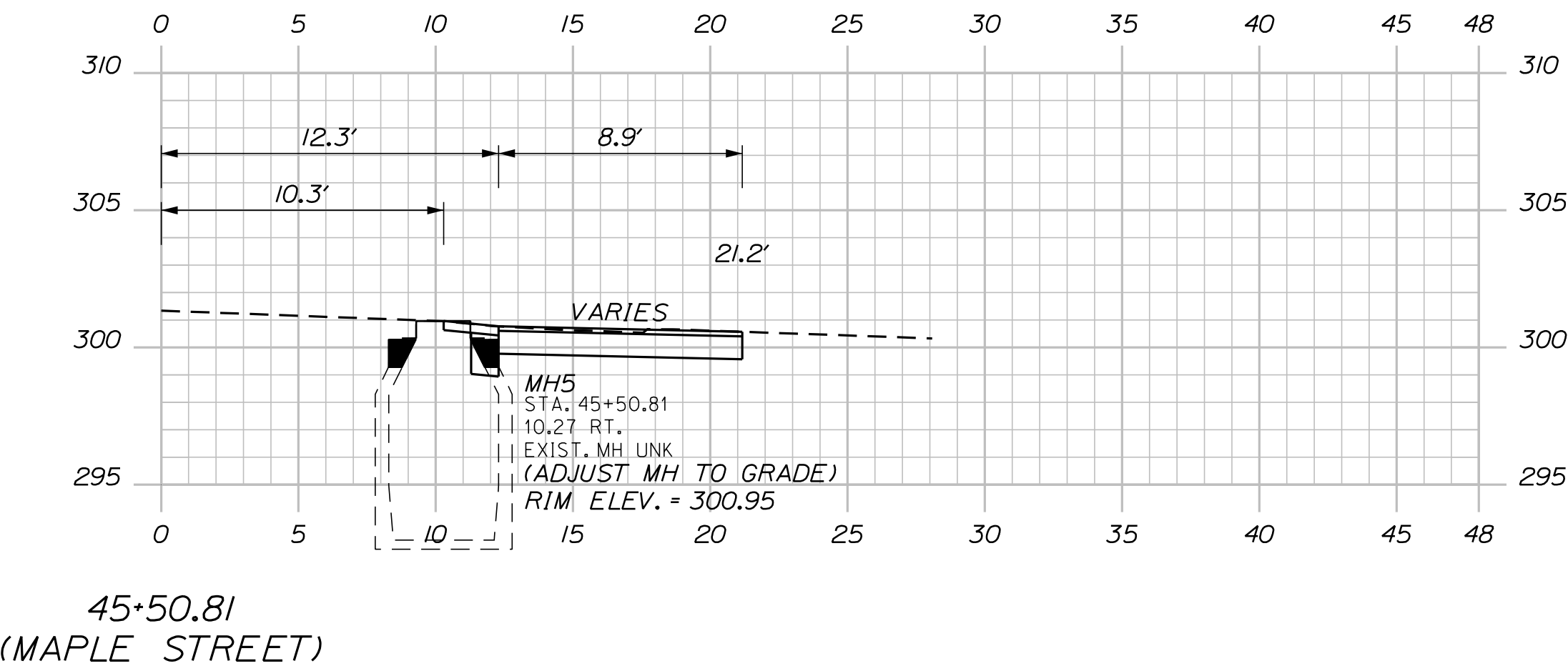
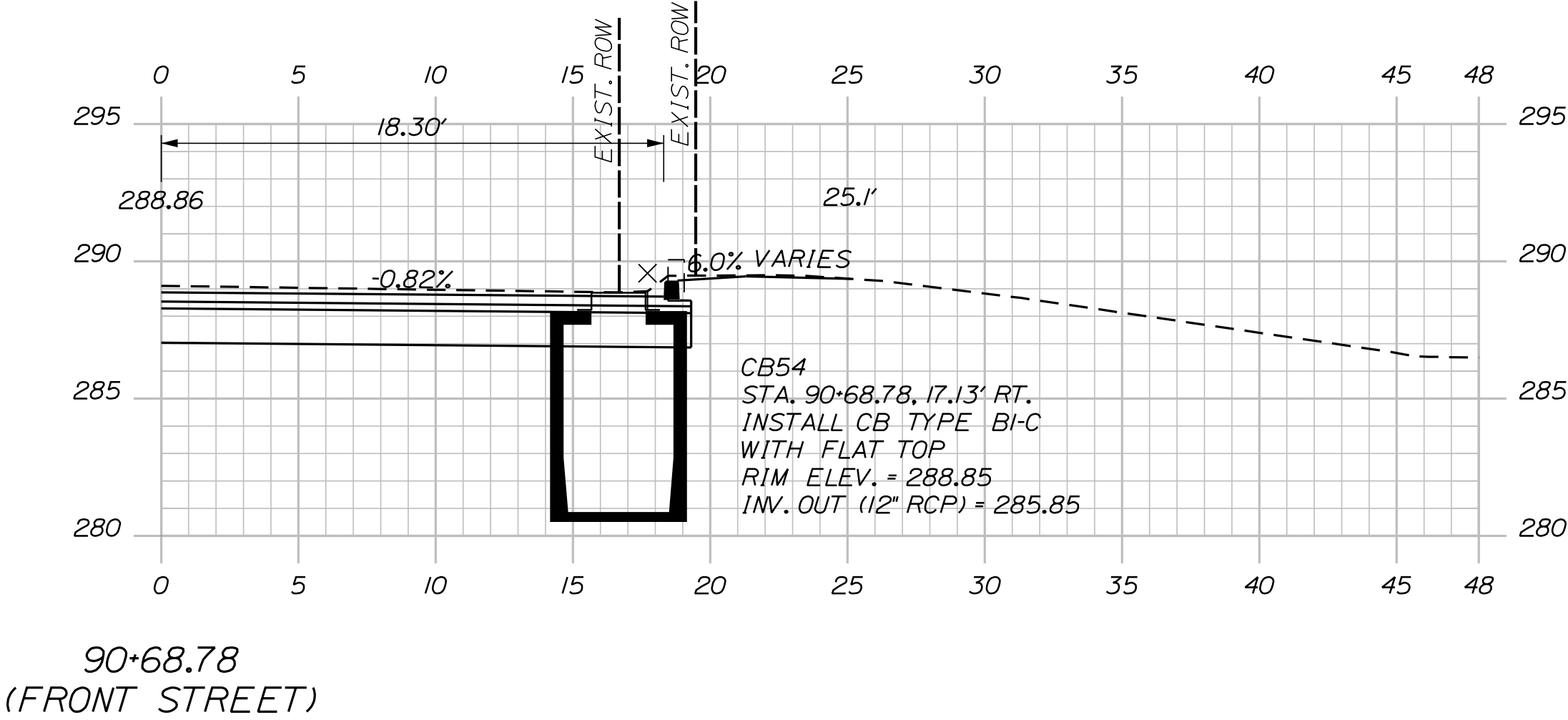
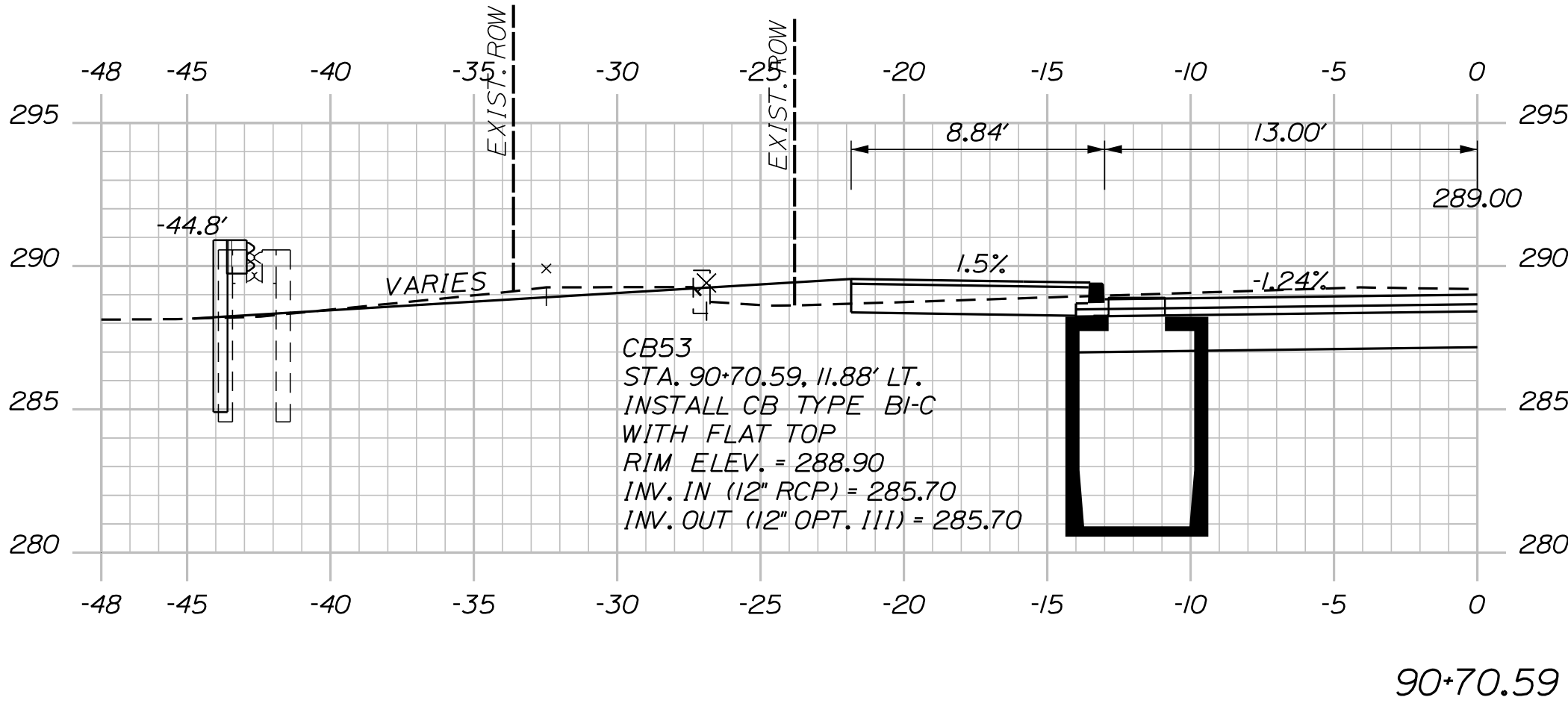
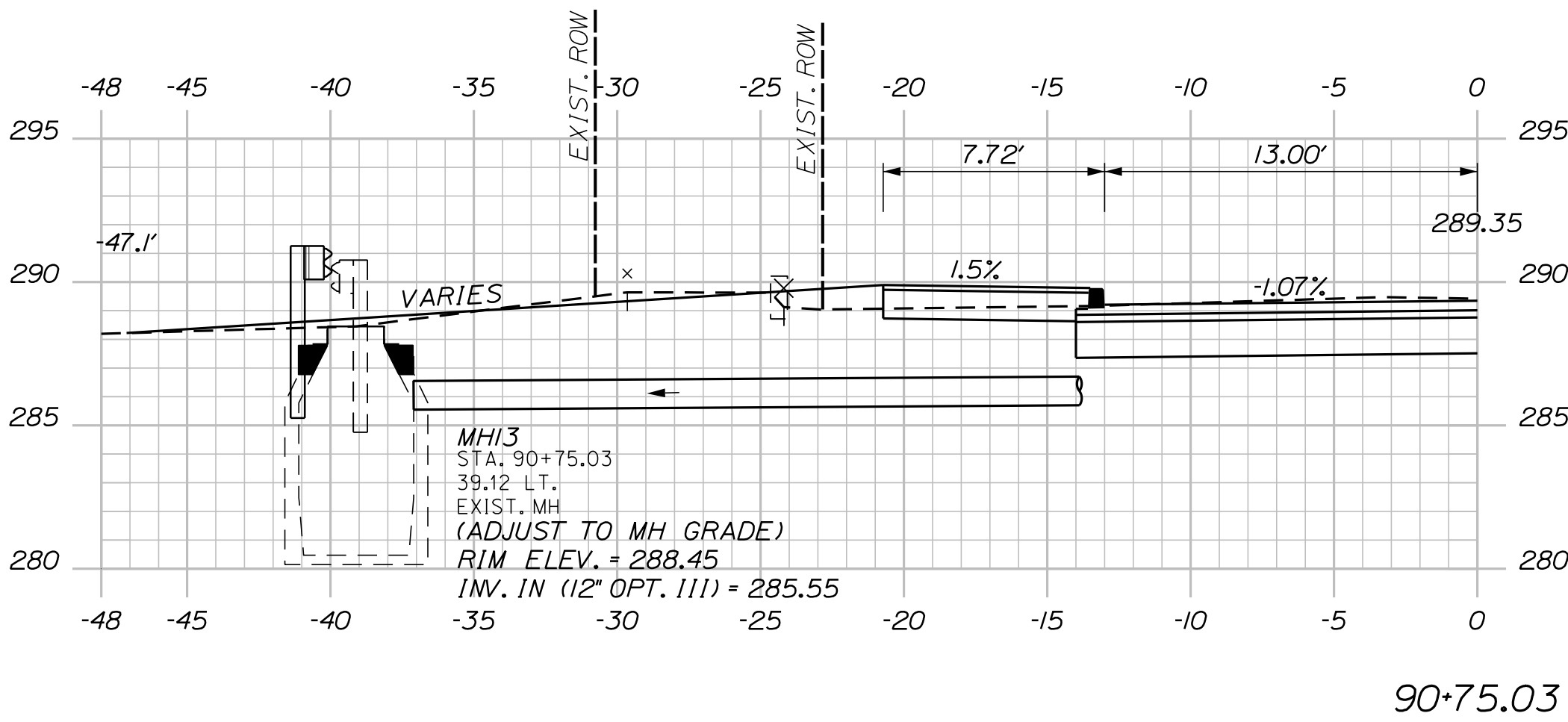
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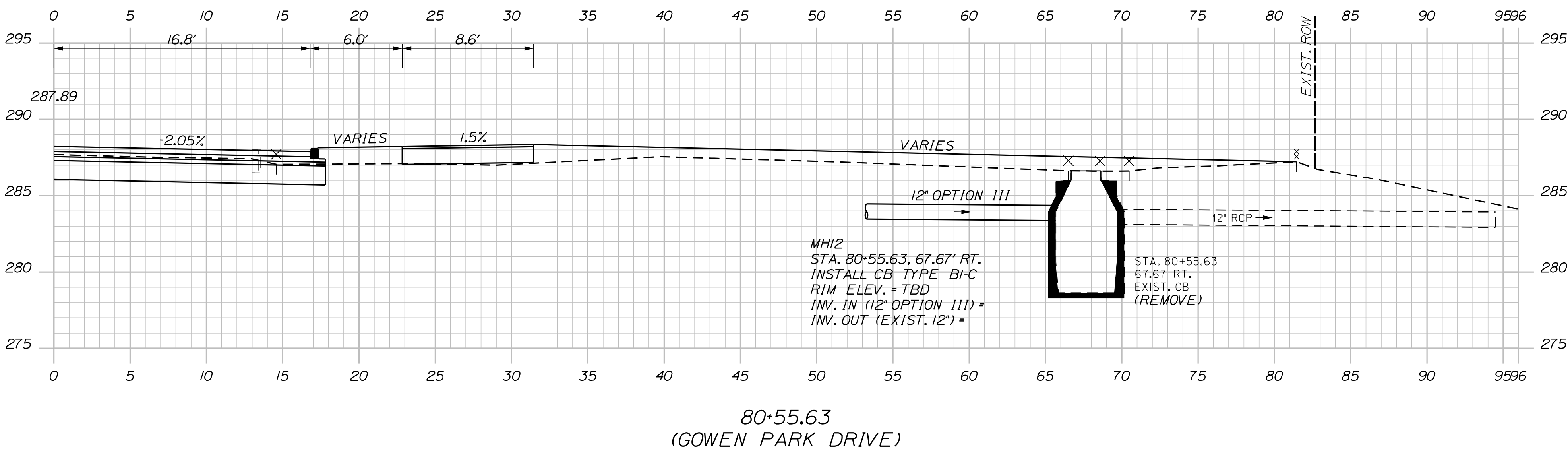
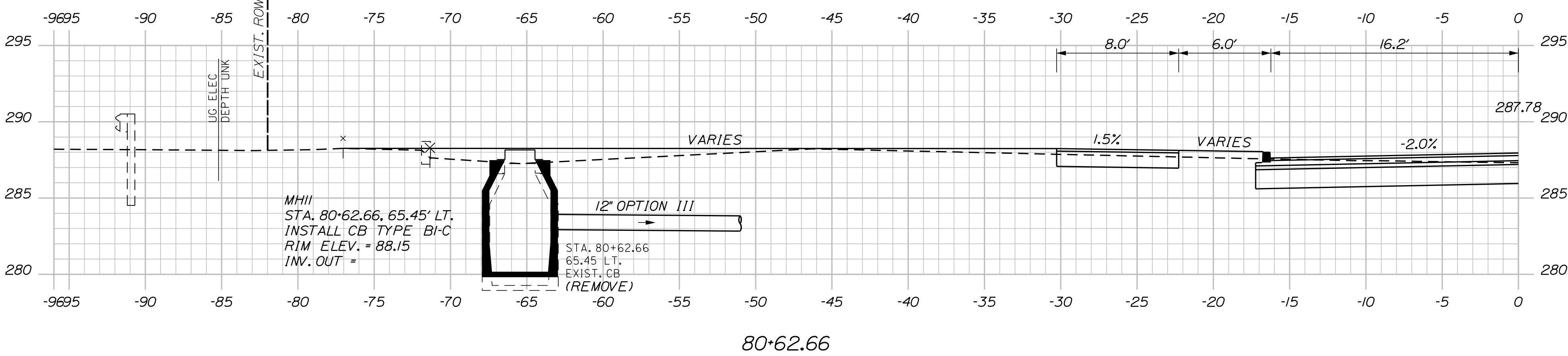
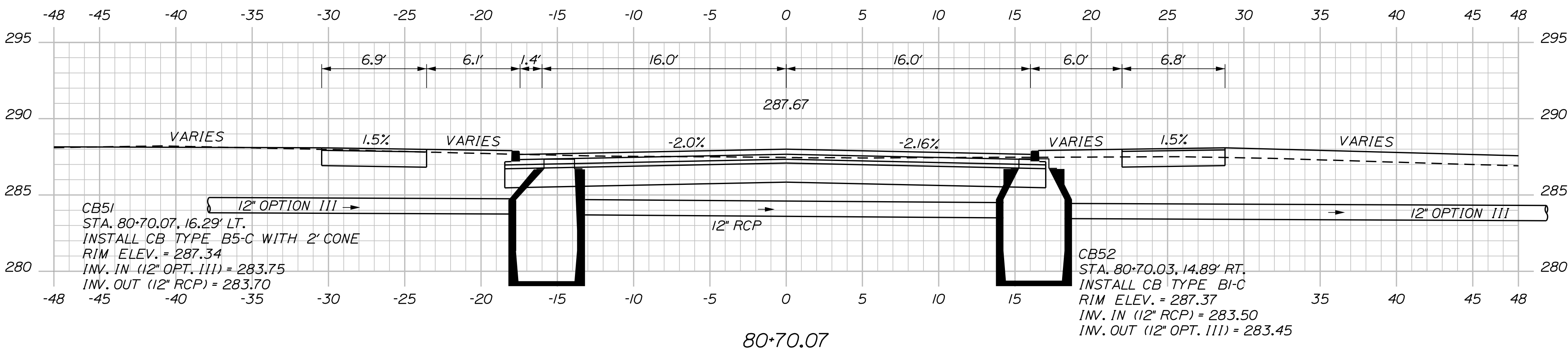
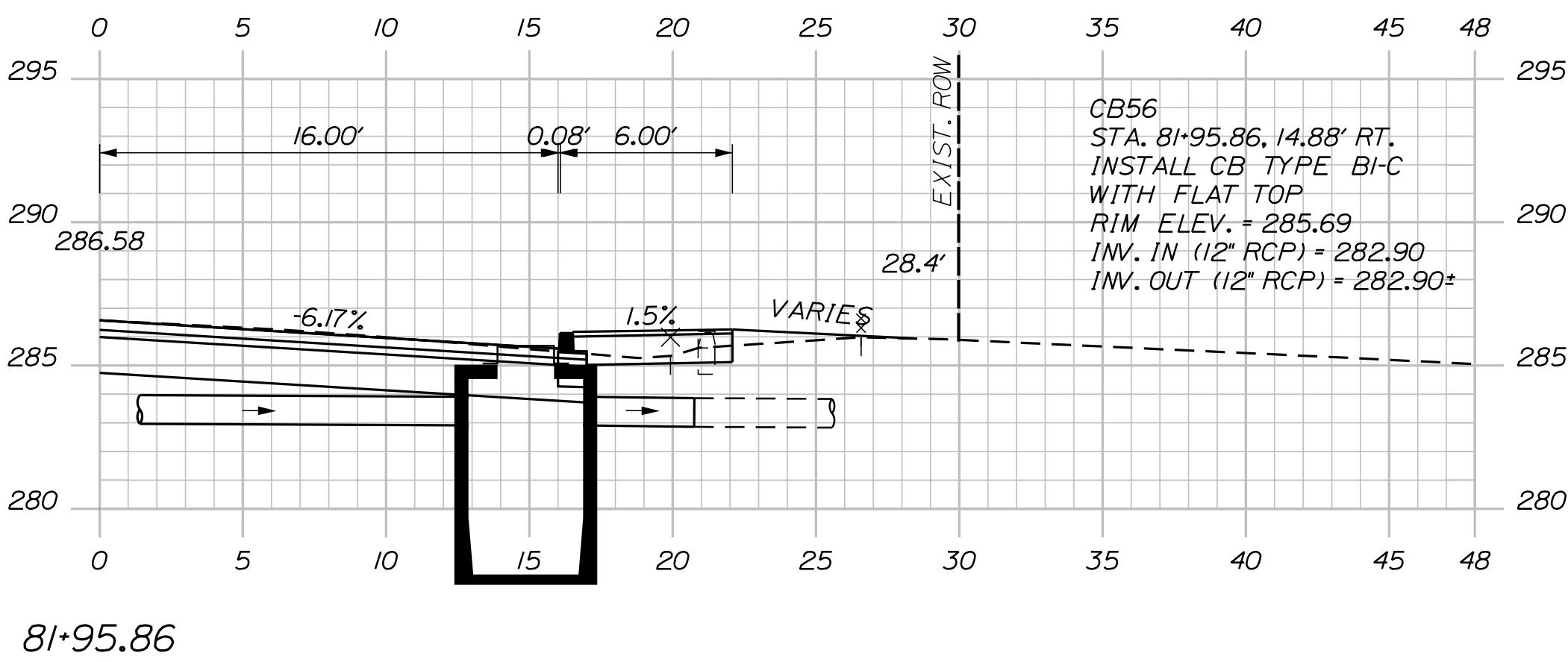
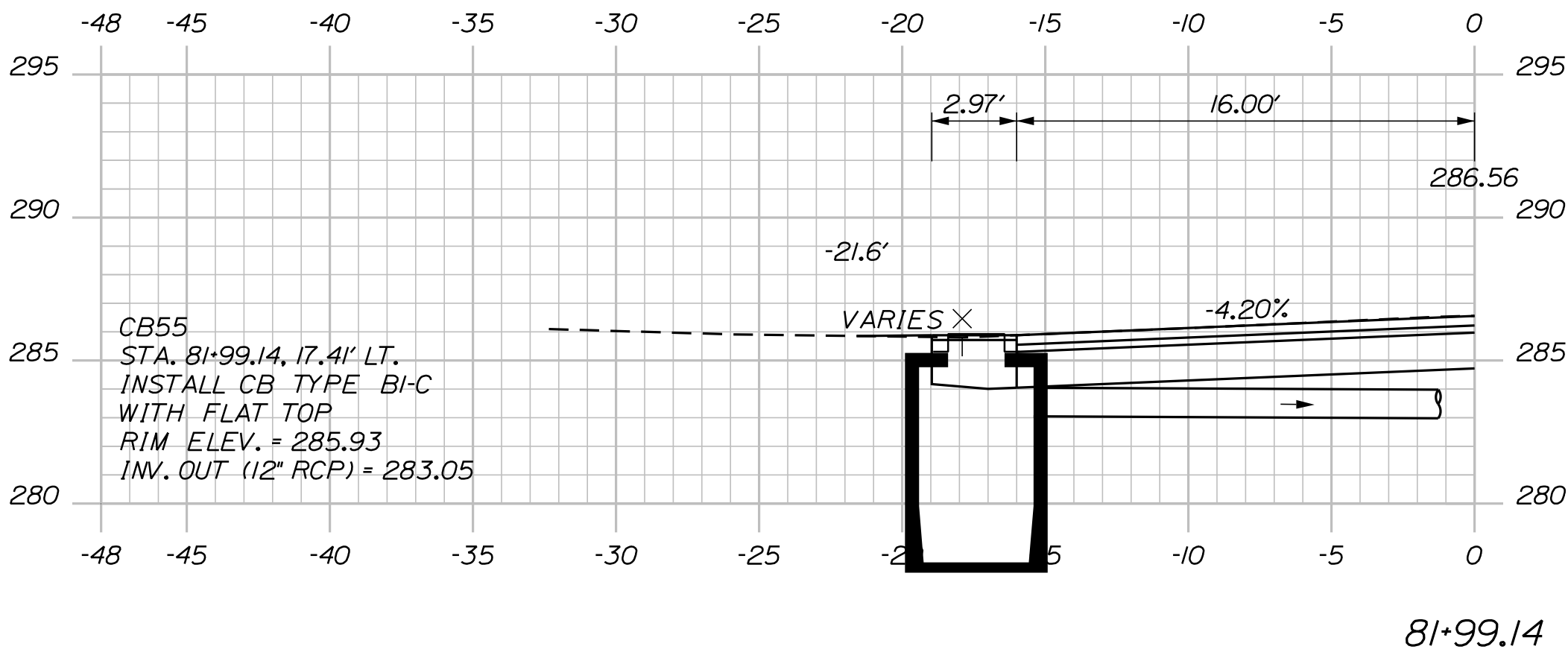
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Sta. 45+50.81 to Sta. 90+75.03



Sta. 80+55.63 to Sta. 81+99.14