

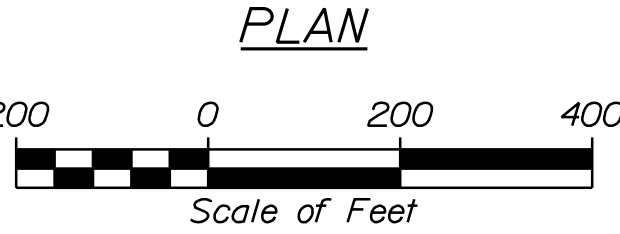
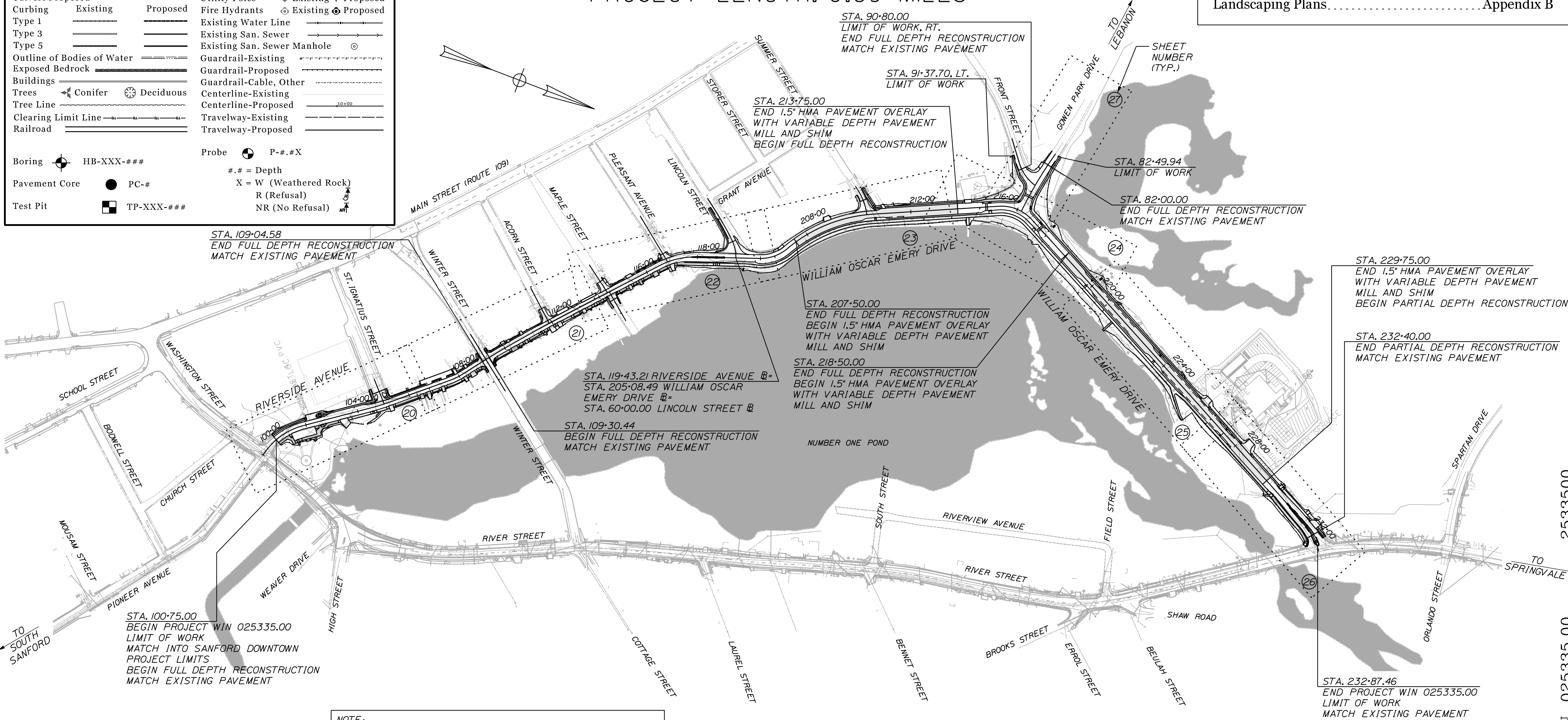
CITY OF SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SANFORD, MAINE

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-###			

Description	Sheet No.
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Typical Sections	2-8
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Construction Notes	13
Special Details - Retaining Wall	14-15
Special Details - Culvert	16-17
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Side Road Cross Sections	77-86
Lighting Plans	Appendix A
Landscaping Plans	Appendix B



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

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.

MONTHLY UPDATE
AUGUST 23, 2024



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CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00	
PROJECT INFORMATION		SHEET NUMBER	
CITY DEPARTMENT	PUBLIC WORKS DEPARTMENT	1	
PROJECT MANAGER	MATTHEW E. HILL	OF 84	
DESIGNER	JARED S. WINCHENBACH		
CONSULTANT	GORRILL PALMER		
PROJECT RESIDENT			
CONTRACTOR			
PROJECT COMPLETION DATE			

NOT TO SCALE

NOT TO SCALE

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

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

The diagram illustrates a cross-section of a proposed road construction. Key components and dimensions include:

- Grading:** 3' width.
- Shoulder/On-Street Parking:** 2'-8" width.
- Travelway:** 11' width.
- Median Island:** 0'-1" width, with a 2' (TYP.) curb on each side.
- Shoulder/On-Street Parking:** 2'-8" width.
- Esplanade:** 6'-12" width.
- Bituminous Multi-Use Path:** 10' width.
- Profile Grade:** Varies from -2.0% to -4.5%.
- Concrete Slipform Curb:** (See Vertical Slipform Curb Detail) (TYP.).
- Curbs:** CURB TYPE 5 (TYP.).
- Existing Edge of Pavement:** (TYP.).
- End Condition:** VARIES (SEE END CONDITION TYPICAL SECTIONS).
- Subbase:** 18" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D" (TYP.).
- Pavement:** 4" HOT MIX ASPHALT (SEE SP 403) (TYP.).
- Landscaped Median:** (SEE LANDSCAPING PLANS).
- Hot Mix Asphalt:** 2" HOT MIX ASPHALT (SEE SP 403).
- Aggregate Subbase Course:** 12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D".
- Grading:** VARIES (4:1 MAX).
- Profile Grade:** -6.0%, -2.0% TO -4.5%, -2.0% TO -4.5%, -2.0% TO -4.5%, -2.0% TO -4.5%, -2.0% TO -4.5%, -1.5%.
- Existing Ground:** (TYP.).
- SAWCUT PAVEMENT:** 1' BEHIND THE PROPOSED CURB AND REMOVE EXISTING PAVEMENT FROM AREA (TYP.).

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

0'-6" CONCRETE SIDEWALK

0'-6" ESPLANADE

2'-8" SHOULDER/ ON-STREET PARKING

11' TRAVELWAY

11' TRAVELWAY

2'-8" SHOULDER/ ON-STREET PARKING

6'-12" ESPLANADE

1' (TYP.)

10' BITUMINOUS MULTI-USE PATH

END CONDITION VARIES (SEE END CONDITION TYPICAL SECTIONS)

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

PROFILE GRADE

EXISTING EDGE OF PAVEMENT (TYP.)

END CONDITION VARIES (SEE END CONDITION TYPICAL SECTIONS)

4" FIBER REINFORCED CONCRETE SIDEWALK (SEE FIBER REINFORCED CONCRETE SIDEWALK DETAIL)**

10" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

SAWCUT PAVEMENT 1' BEHIND THE PROPOSED CURB AND REMOVE EXISTING PAVEMENT FROM AREA (TYP.)

PLACE SLIPFORM CURB ON EXISTING PAVEMENT, MILLED SURFACE, OR SHIM AND PAVE SURFACE PAVEMENT UP TO THE FACE OF CURB (TYP.)

1.5" HOT MIX ASPHALT PAVEMENT OVERLAY WITH VARIABLE DEPTH PAVEMENT MILL AND SHIM (SEE SP 403)

4" LOAM AND SEED OR LANDSCAPING (SEE LANDSCAPING)

2" HOT MIX ASPHALT (SEE SP 403)

12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"

WILLIAM OSCAR EMERY DRIVE

* SEE WILLIAM OSCAR EMERY

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 12-foot travelway. The components and their dimensions from left to right are:

- 6'-10"** BITUMINOUS SIDEWALK OR CONCRETE SIDEWALK
- 0'-6"** ESPLANADE
- 2'-8"** SHOULDER/ ON-STREET PARKING
- 12'** TRAVELWAY
- 12'** TRAVELWAY
- 2'-8"** SHOULDER/ ON-STREET PARKING
- 6'-12"** ESPLANADE
- 10'** BITUMINOUS MULTI-USE PATH

Additional features and details include:

- CONSTRUCTION B** is indicated at the center of the travelway.
- CONCRETE SLIPFORM CURB** (SEE VERTICAL SLIPFORM CURB DETAIL) (TYP.) is shown on both sides of the travelway.
- PROFILE GRADE** is shown as a dashed line.
- VERTICAL LIMIT OF RAISED INTERSECTION** (STA. 214+82 TO STA. 217+14) **3" CURB REVEAL** (SEE RAISED INTERSECTION DETAIL) is shown on the right side.
- END CONDITION VARIES** (SEE END CONDITION TYPICAL SECTIONS) is noted at both ends.
- 2" HOT MIX ASPHALT** (SEE SP 403) **WITH 12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"** is shown on the far left and right.
- OR** **4" FIBER REINFORCED CONCRETE SIDEWALK** (SEE FIBER REINFORCED CONCRETE SIDEWALK DETAIL)** **WITH 10" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"** is an alternative option.
- 4" HOT MIX ASPHALT** (SEE SP 403) and **18" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"** are shown under the travelway.
- 4" LOAM AND SEED OR LANDSCAPING** (SEE LANDSCAPING PLANS) (TYP.) is shown on the right side.
- 12" AGGREGATE SUBBASE COURSE - GRAVEL TYPE "D"** is shown under the multi-use path.
- Grades:** -1.5%, -2.0%, and +1.5% are indicated for various sections.
- Other labels:** "VARIES", "TYP.", and "SEE RAISED INTERSECTION DETAIL".

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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SHEET NUMBER

3

F 84

Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \00\Highway\003_Typical02.dgn

U:\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\003_Typical02.dgn



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TYPICAL SECTIONS

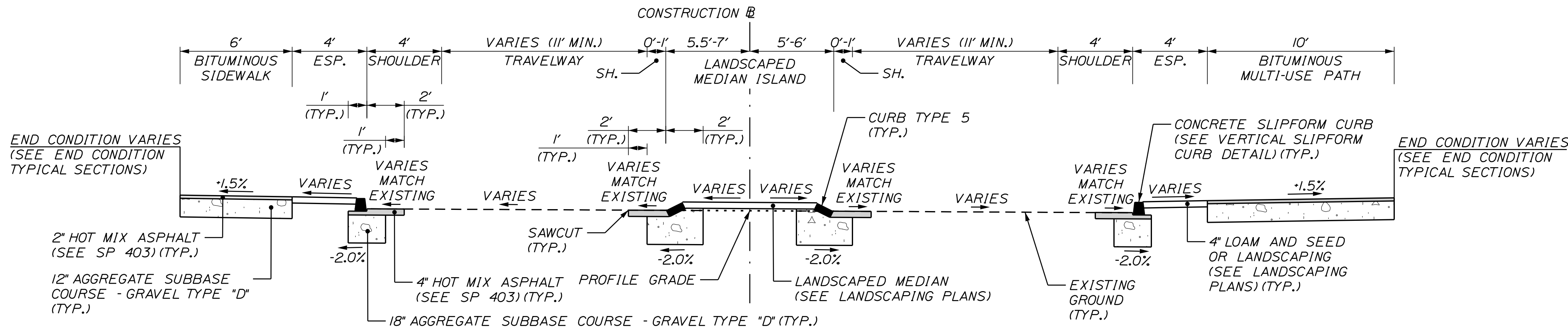
HEET NUMBER

4

F 84

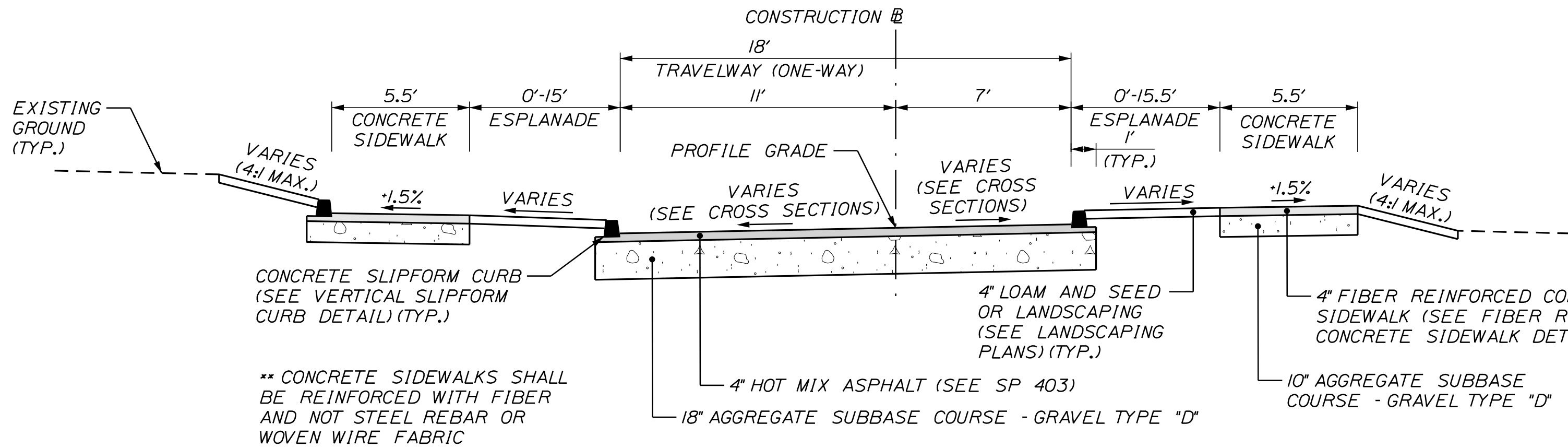
NOT TO SCALE

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



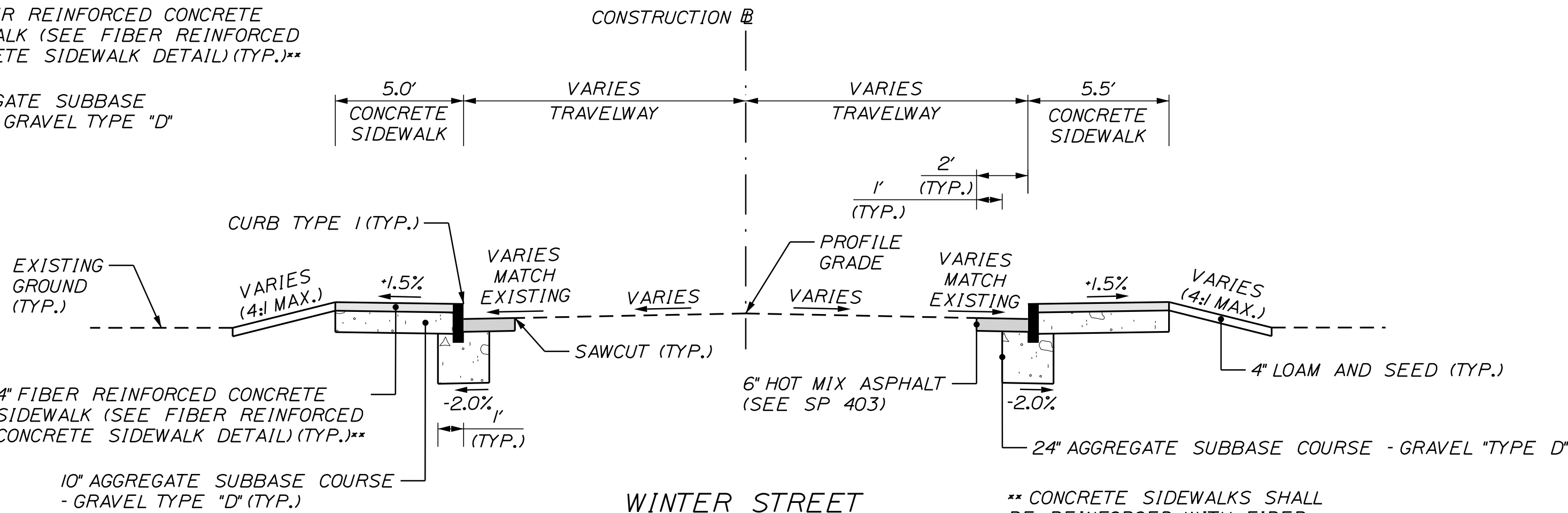
**WILLIAM OSCAR EMERY DRIVE
RIVER STREET TRANSITION**

STA. 232+40 TO STA. 232+87



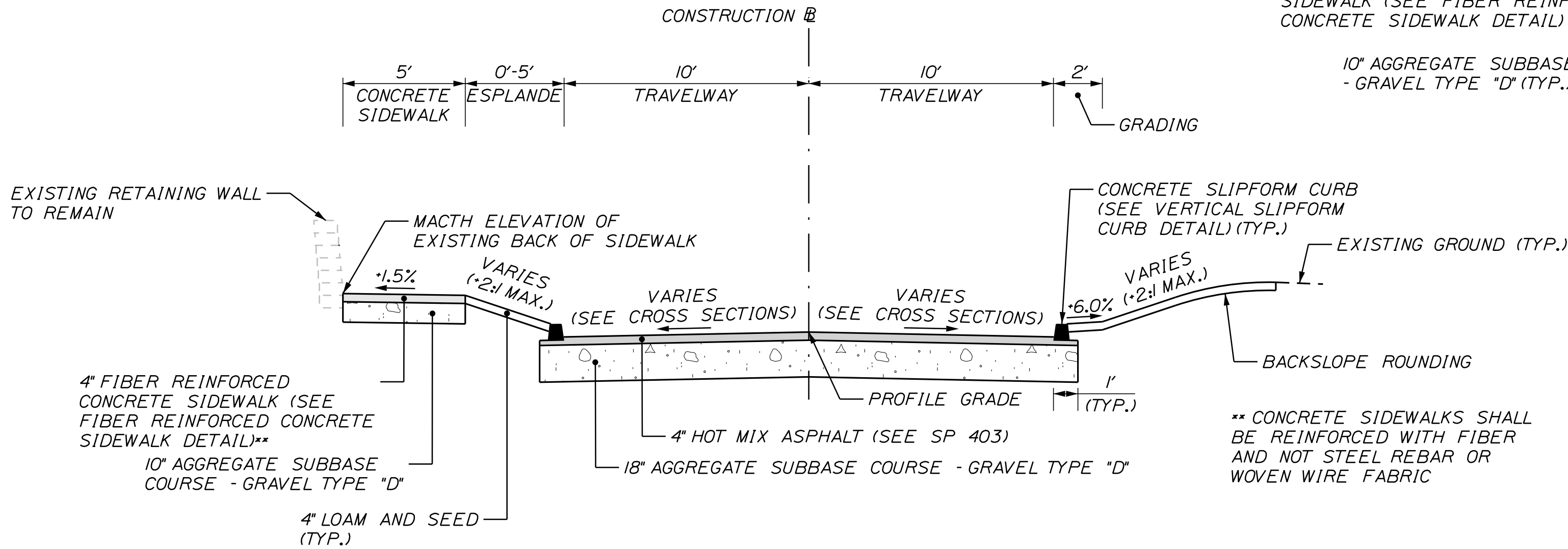
**ST. IGNATIUS STREET
TYPICAL SECTION**

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.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE
CHECKED-REVIEWED	T. WARREN	M. CUNDIFF	08/24	
DESIGNED-DETAILED	J. WISCHER	D. ETINGER	08/24	
DESIGNED-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

TYPICAL SECTIONS

SHEET NUMBER

5

OF 84



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Date:9/3/2024

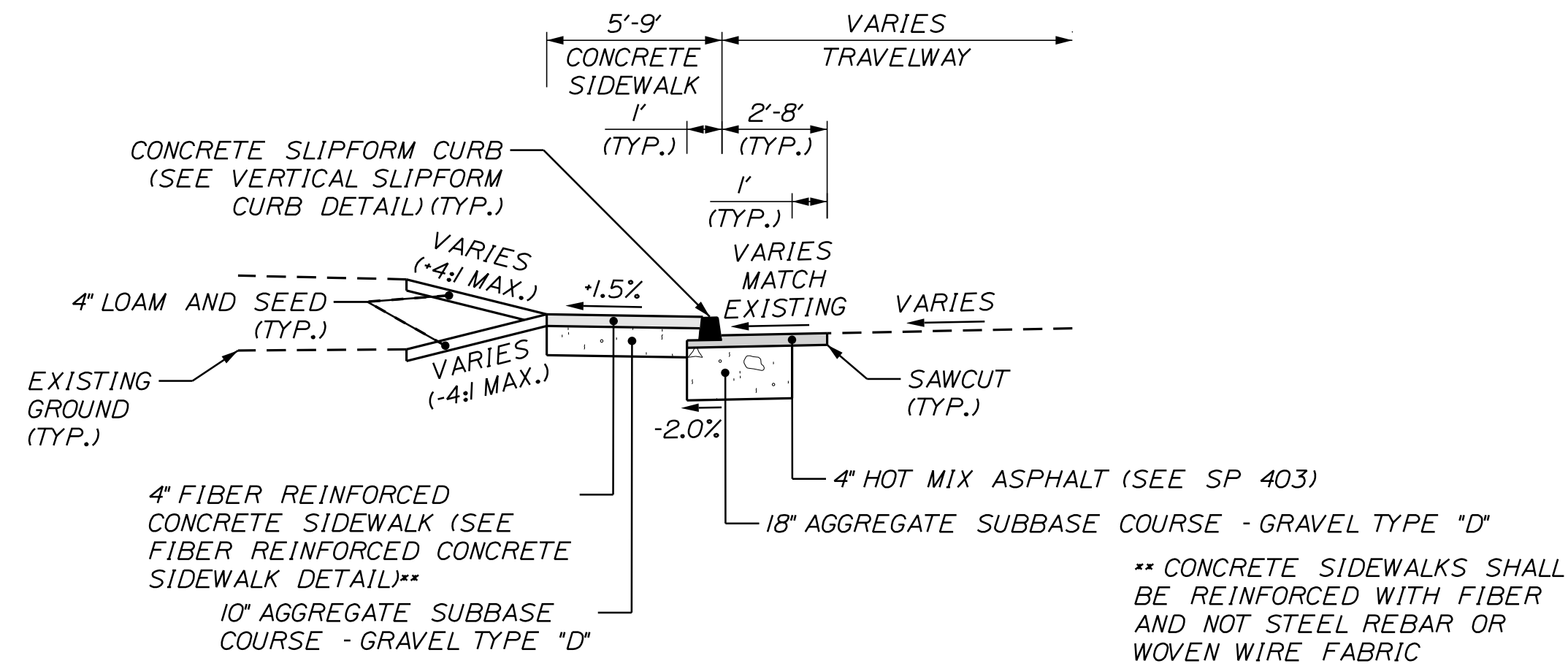
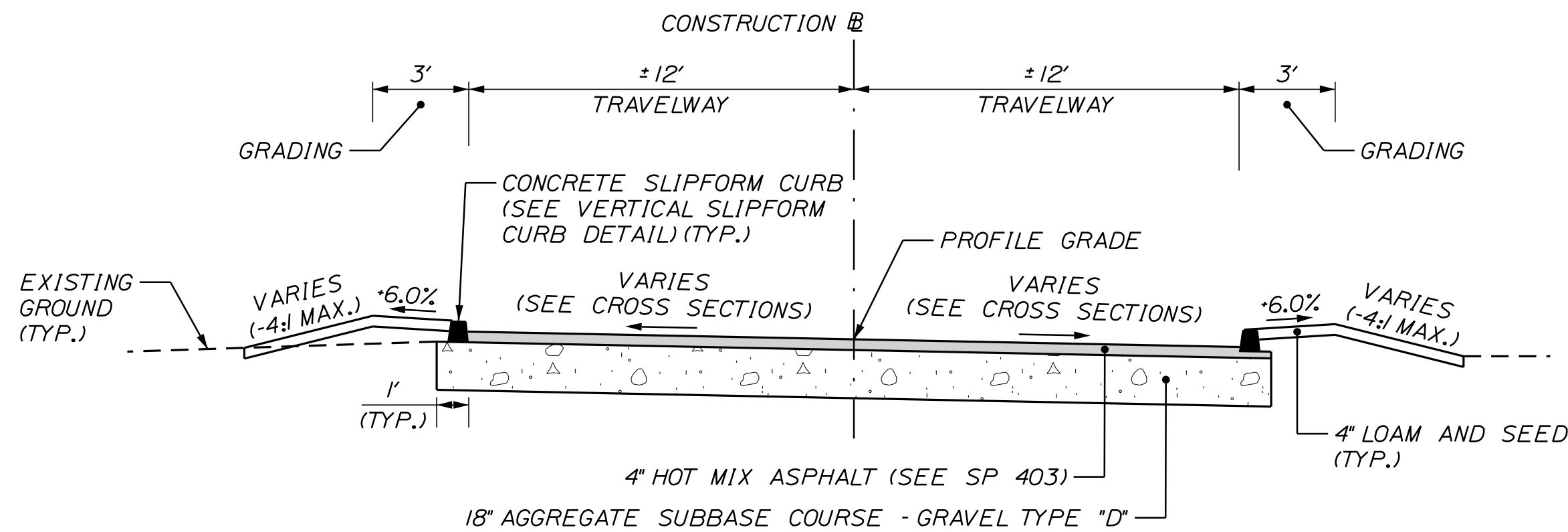
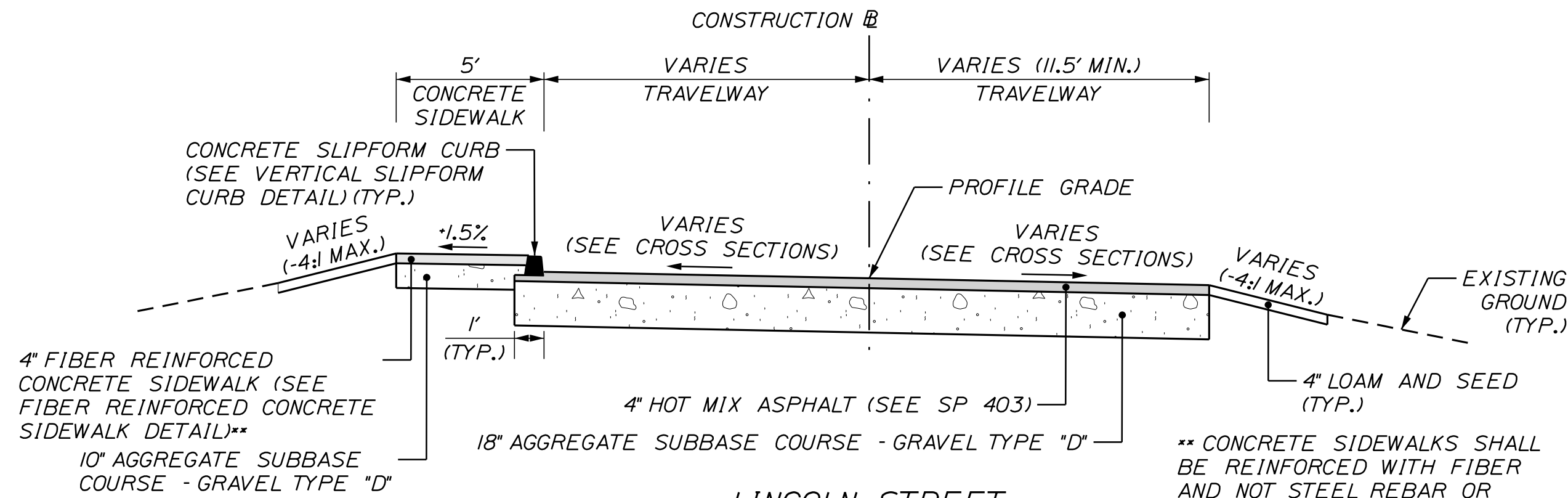
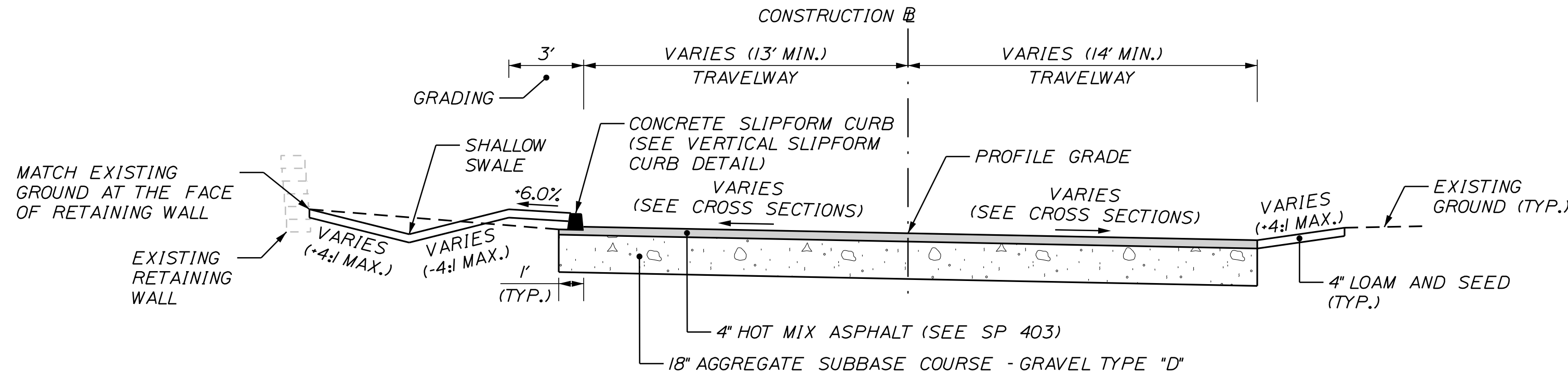
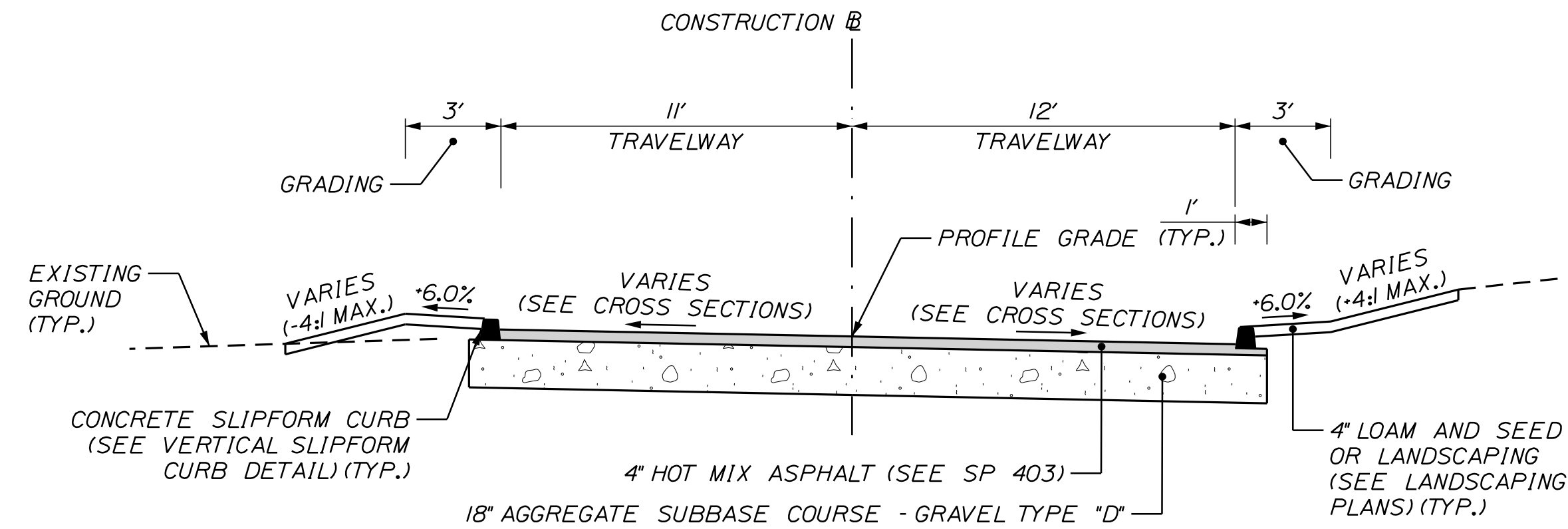
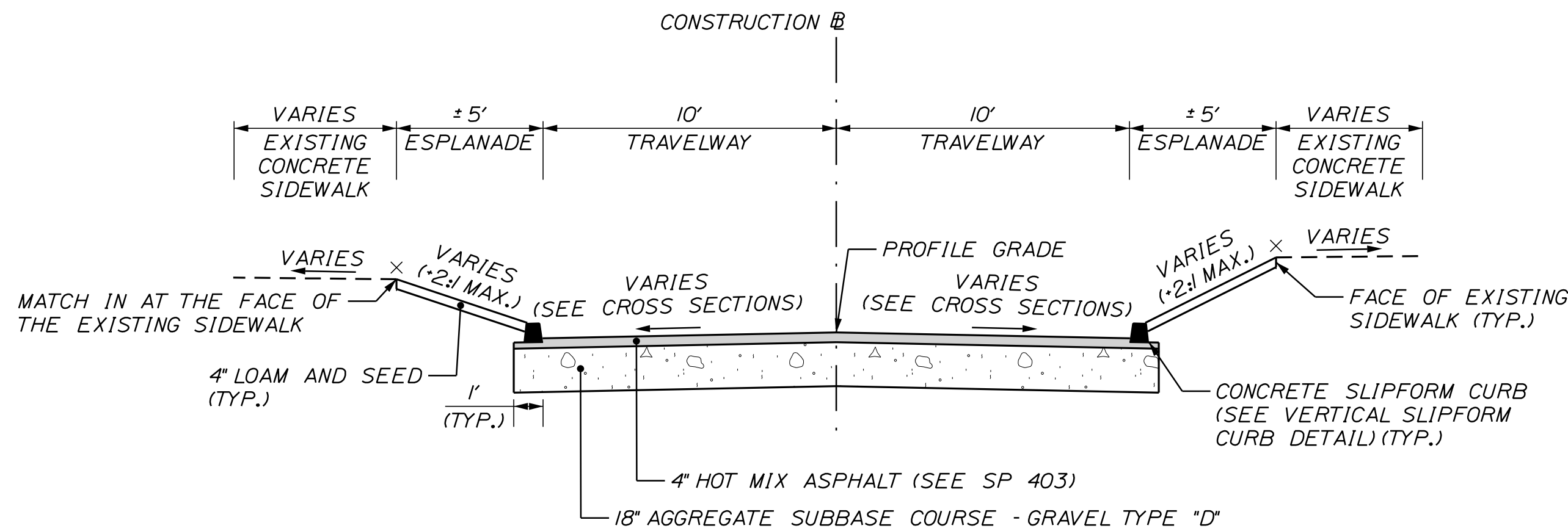
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Division: HIGHWAY

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NOT TO SCALE



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CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
M. HILL	M. CUNDIFF	08/24			
CHECKED-DETAILED	J. WARREN	08/24			
DESIGN-DETAILED	J. WILSON	08/24			
DESIGN-DETAILED	D. EITINGER	08/24			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

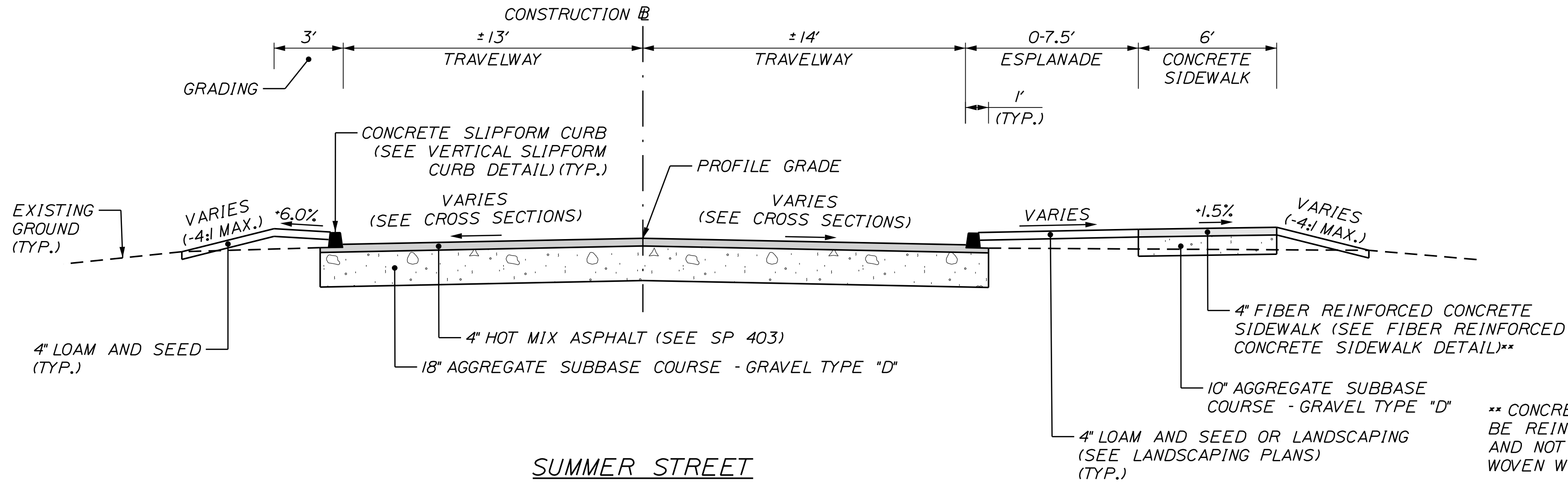
TYPICAL SECTIONS

SHEET NUMBER

6

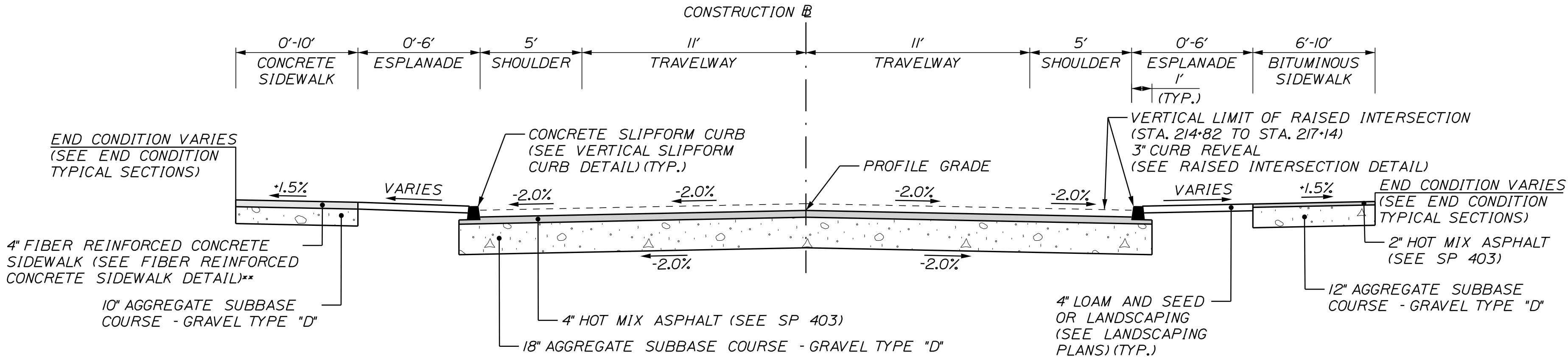
OF 84

NOT TO SCALE



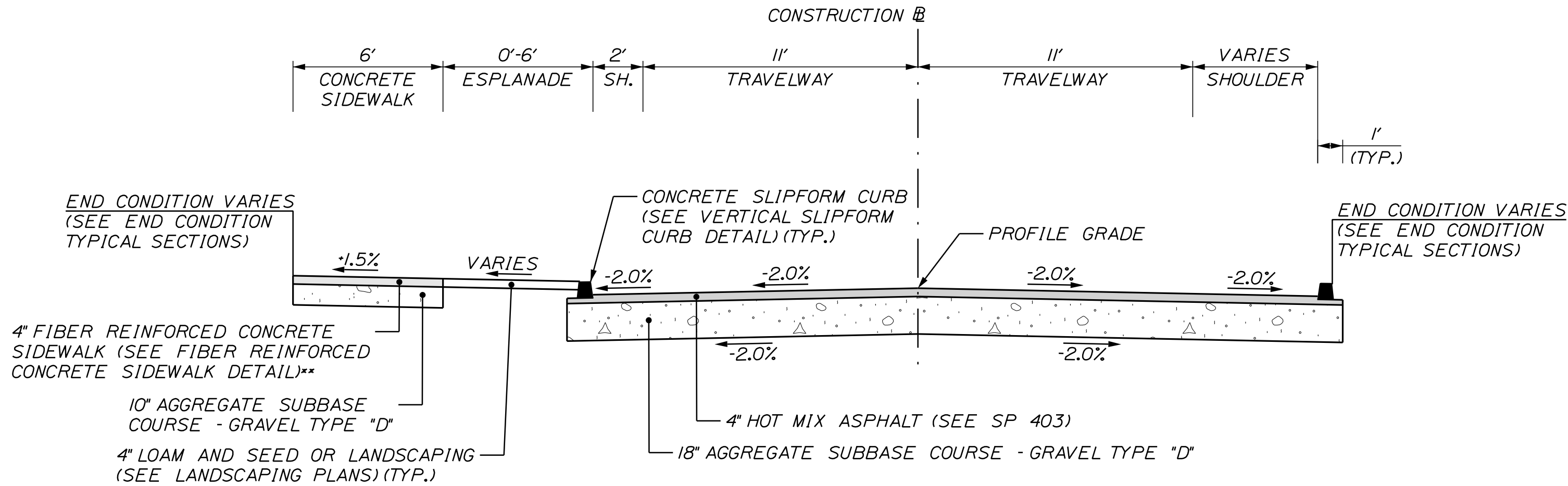
SUMMER STREET
TYPICAL SECTION
STA. 70+13 TO STA. 70+56

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



GOWEN PARK DRIVE
FULL DEPTH RECONSTRUCTION
STA. 80+13 TO STA. 82+00

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



FRONT STREET
FULL DEPTH RECONSTRUCTION
STA. 90+16 TO STA. 90+80

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

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/24
CHECKED-REVIEWED	J. WACHSBERG	D. ETINGER	08/24
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
TYPICAL SECTIONS

SHEET NUMBER

7

OF 84



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Date:9/3/2024

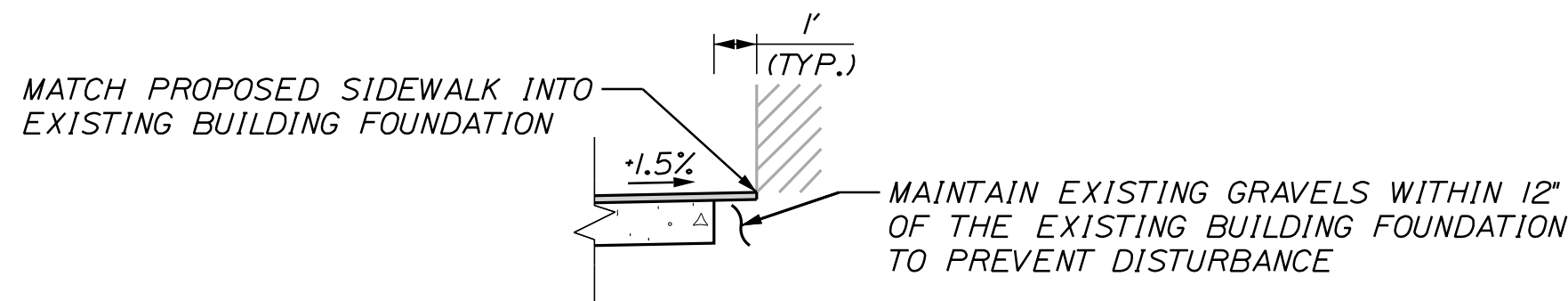
Username: Mike.Cundiff

Division: HIGHWAY

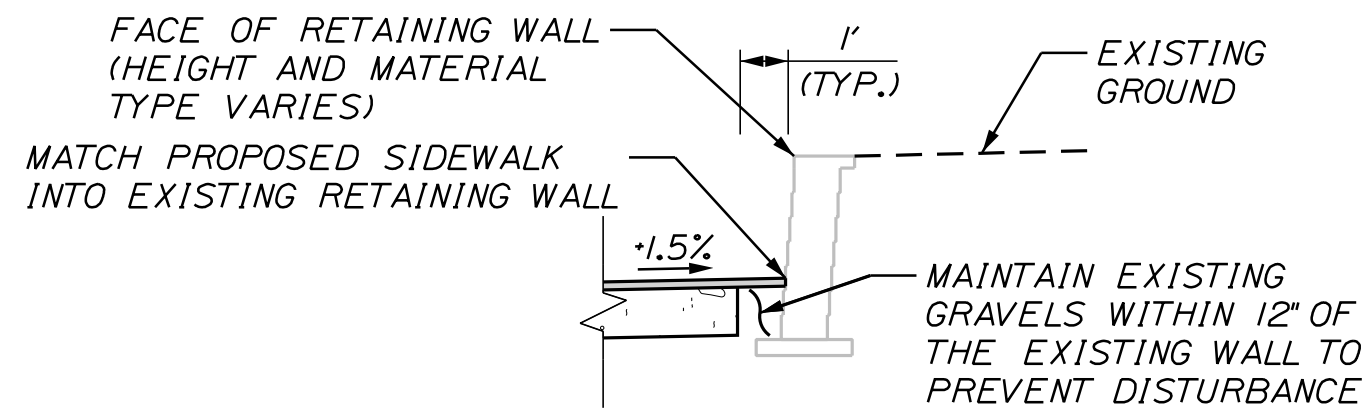
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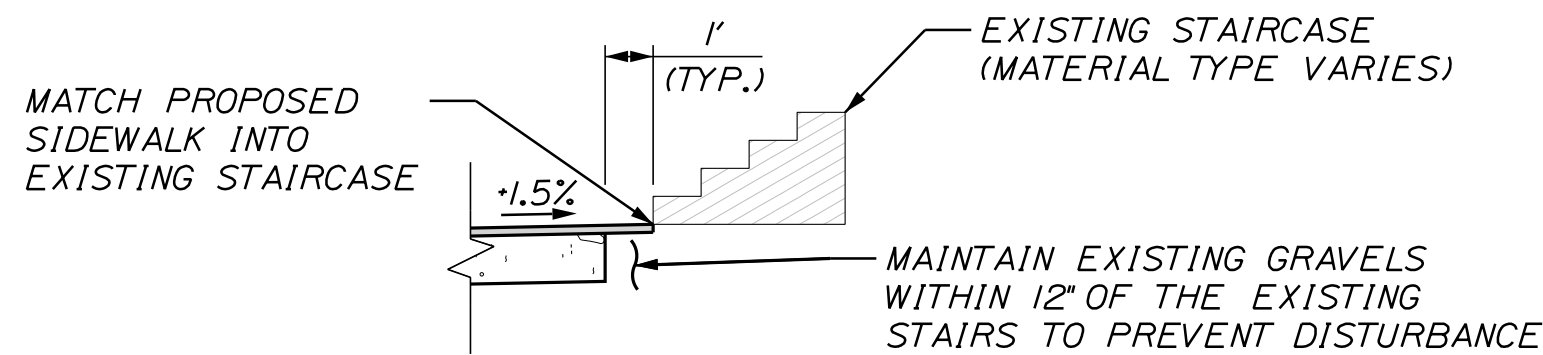
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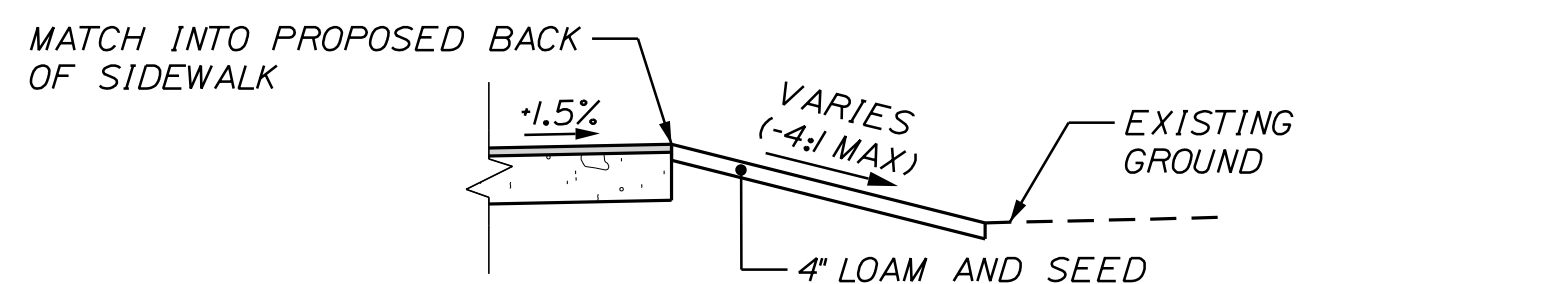
EXISTING BUILDING



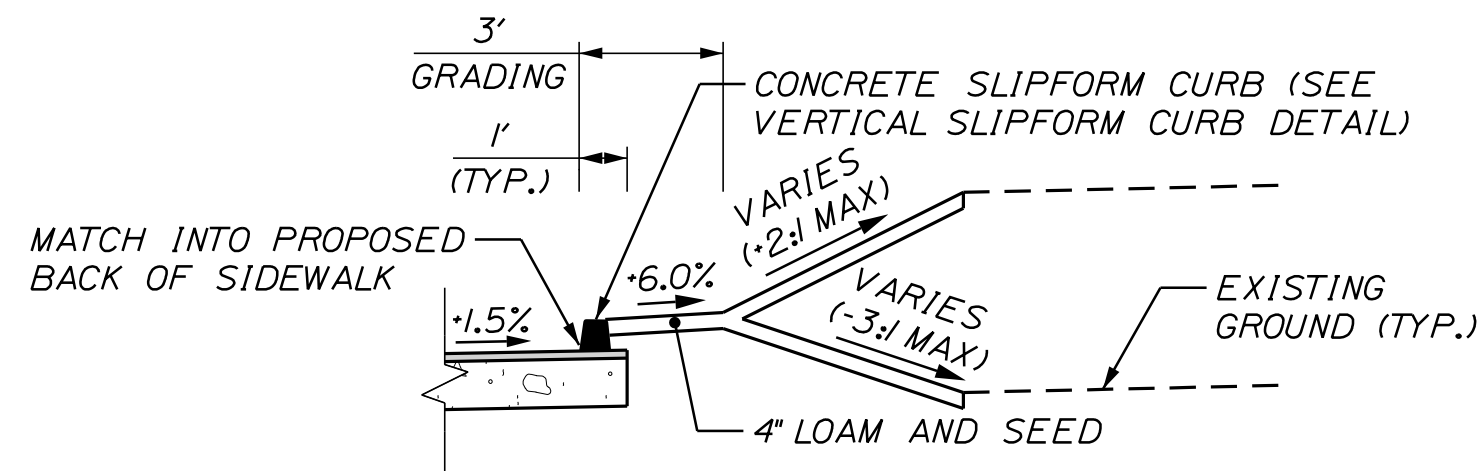
EXISTING RETAINING WALL



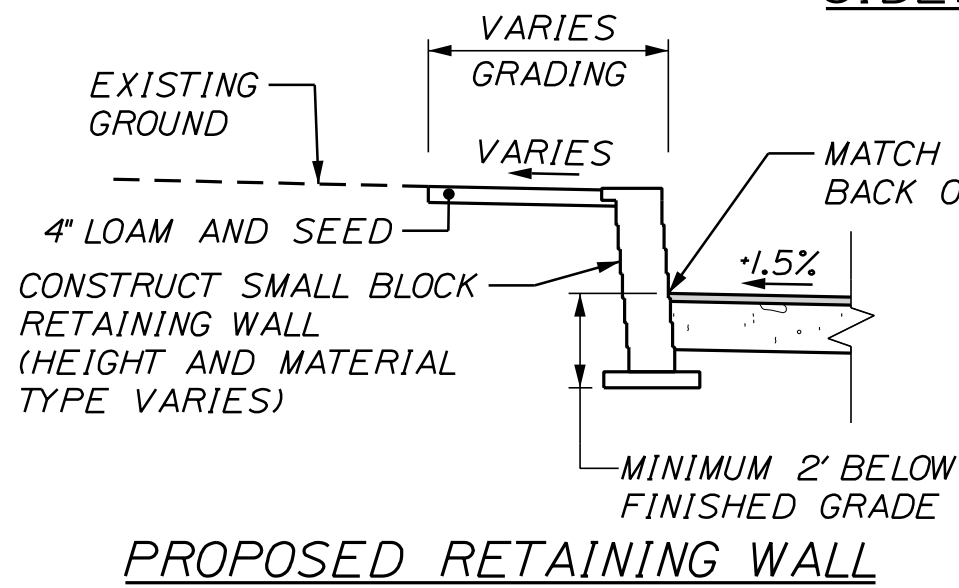
EXISTING STAIRCASE



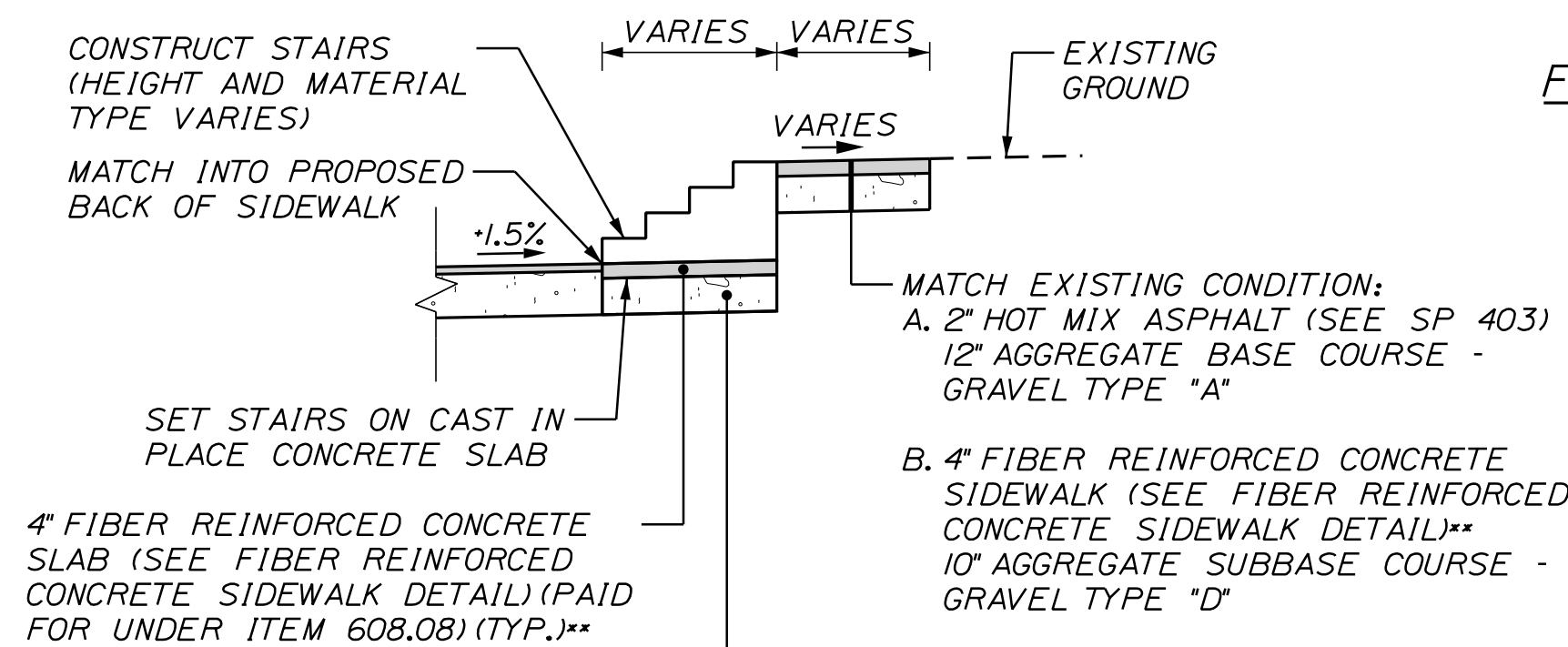
GRADING BEHIND SIDEWALK



SIDEWALK BACKCURB WITH GRADING



PROPOSED RETAINING WALL

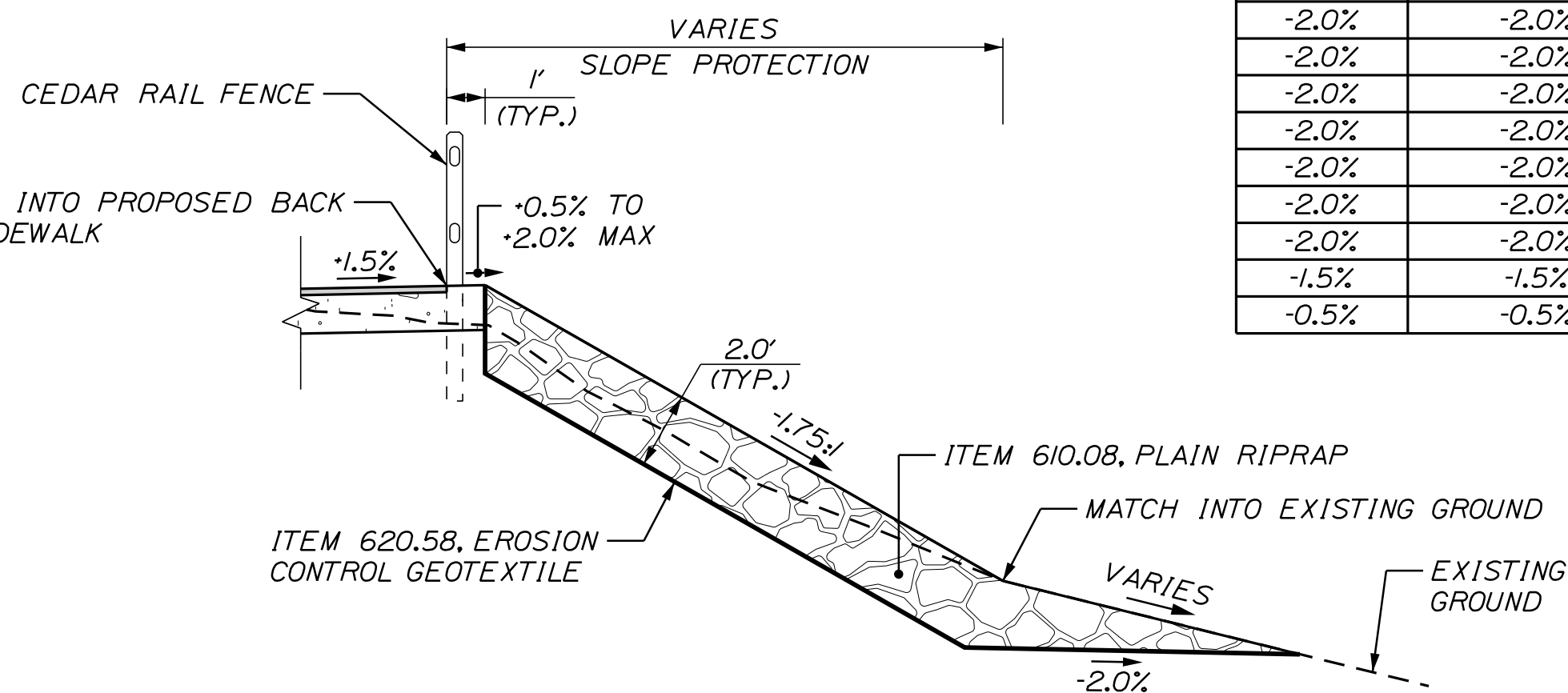


PROPOSED STAIRS

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

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%
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-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%
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-2.0%	-2.0%	224+00	-2.0%	-2.0%
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-2.0%	-2.0%	226+00	-2.0%	-2.0%
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-2.0%	-2.0%	227+00	-2.0%	-2.0%
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-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%
-1.5%	-1.5%	231+00	-2.0%	-2.0%
-0.5%	-0.5%	231+50	-2.0%	-2.0%
-0.5%	-0.5%	232+00	-2.0%	-2.0%



FENCE WITH RIPRAP SLOPE PROTECTION



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PROJ. MANAGER	BY	DATE
CHECKED-DETAILED	M. HILL	08/24
CHECKED-REVIEWED	M. CUNDIFF	08/24
DESIGNED-DETAILED	J. WARREN	08/24
DESIGNED-REVIEWED	D. ETINGER	08/24
DESIGNED-DETAILED	J. WILSON	08/24
DESIGNED-REVIEWED	D. ETINGER	08/24
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
TYPICAL SECTIONS

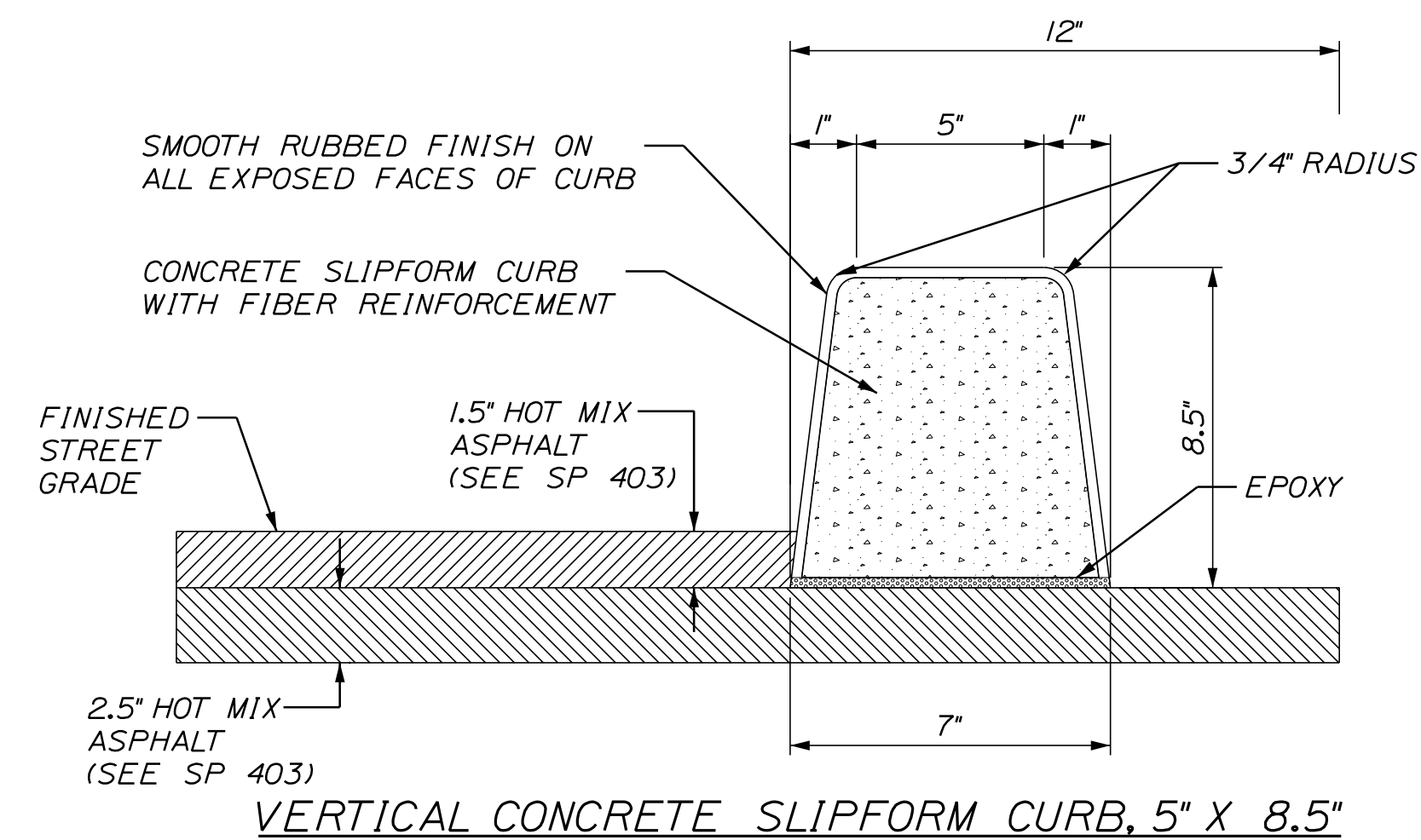
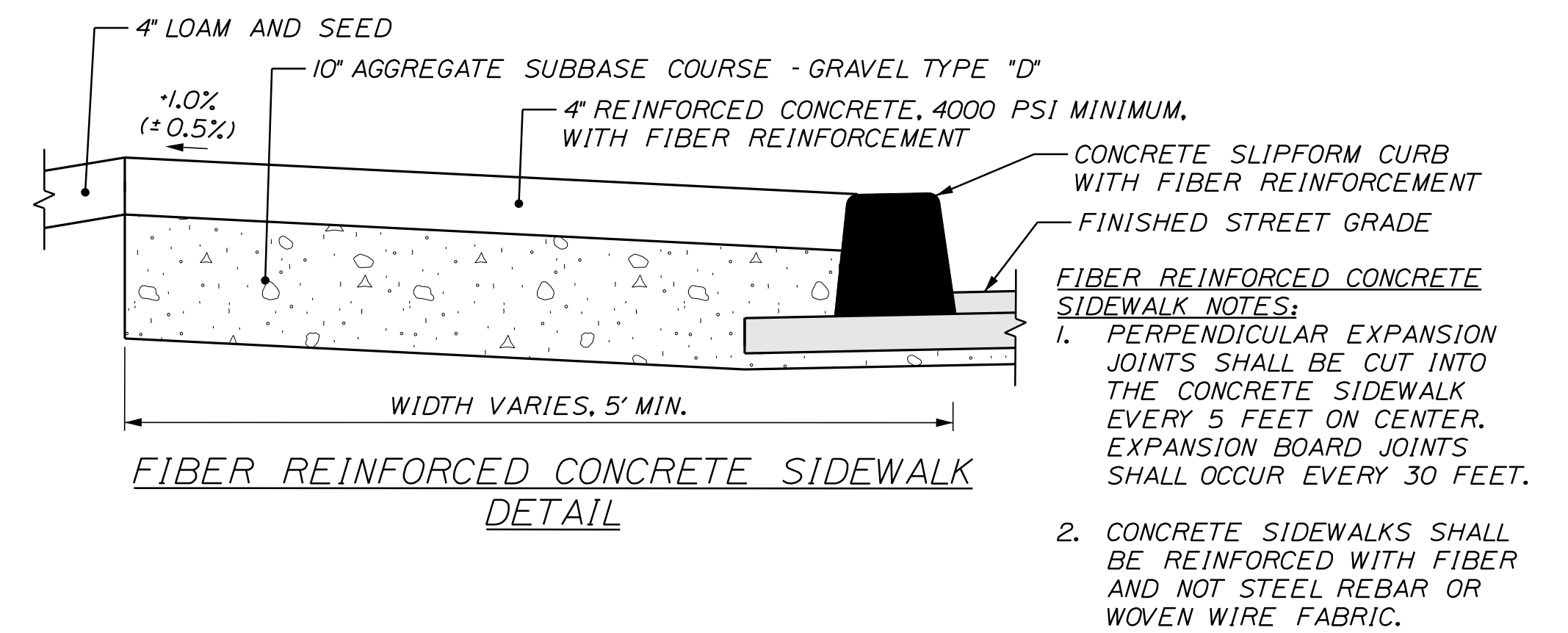
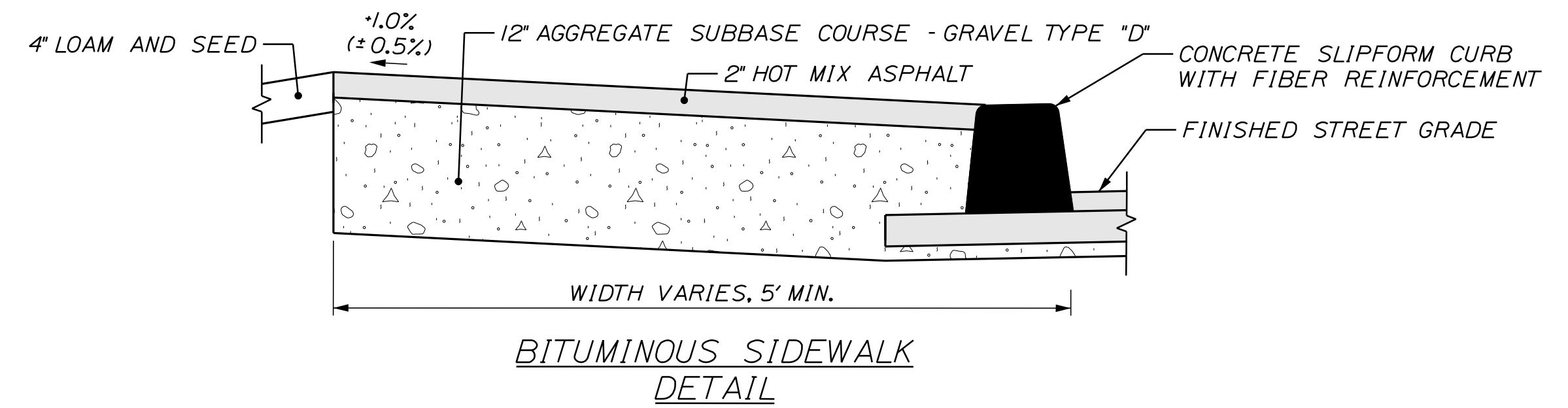
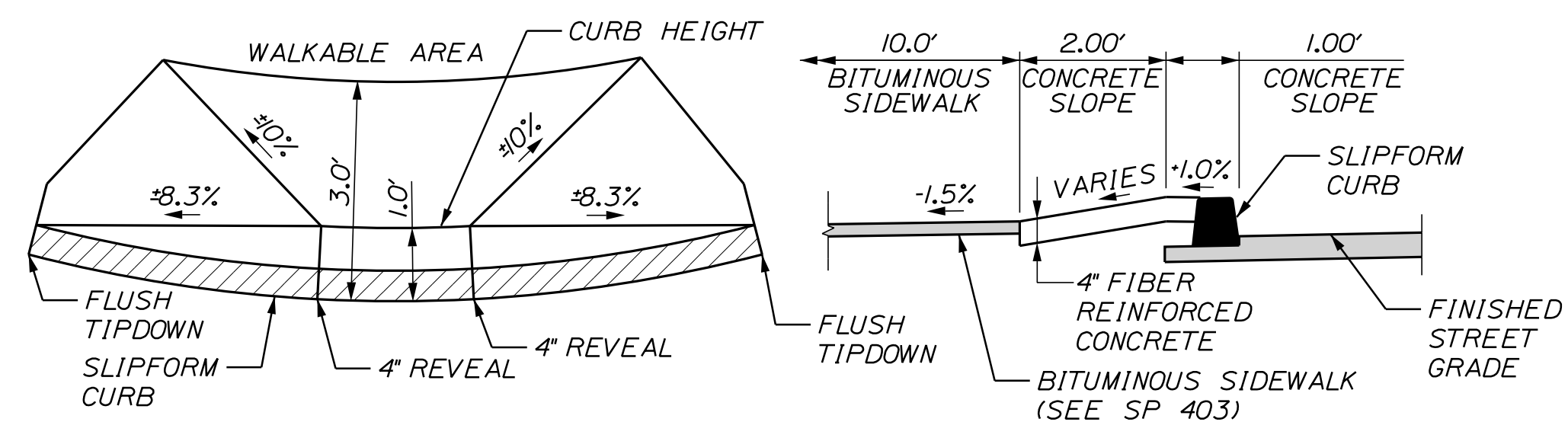
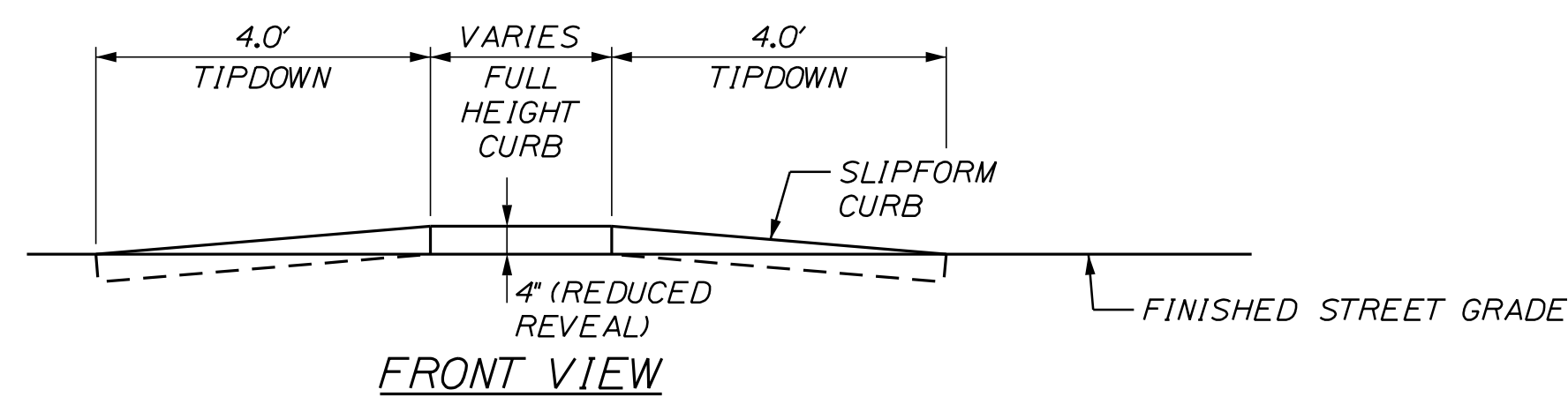
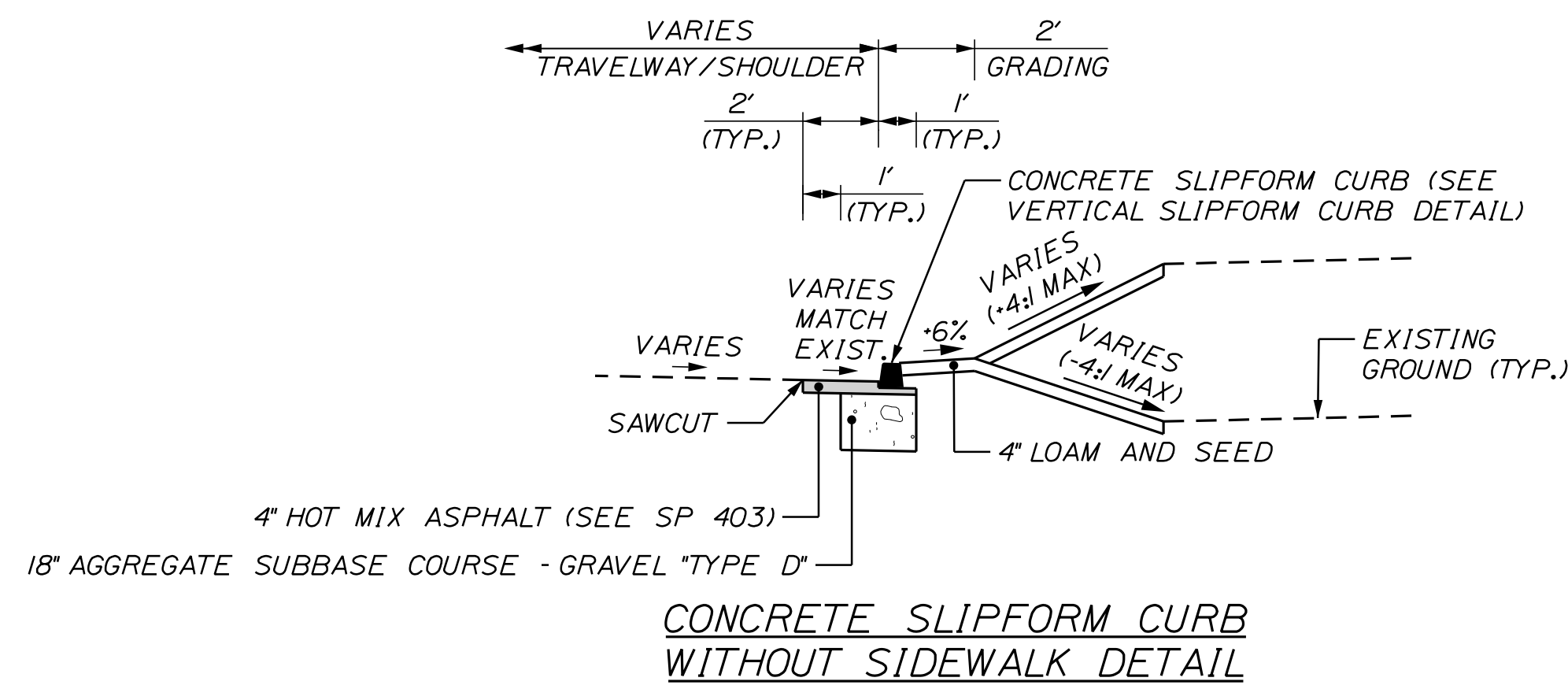
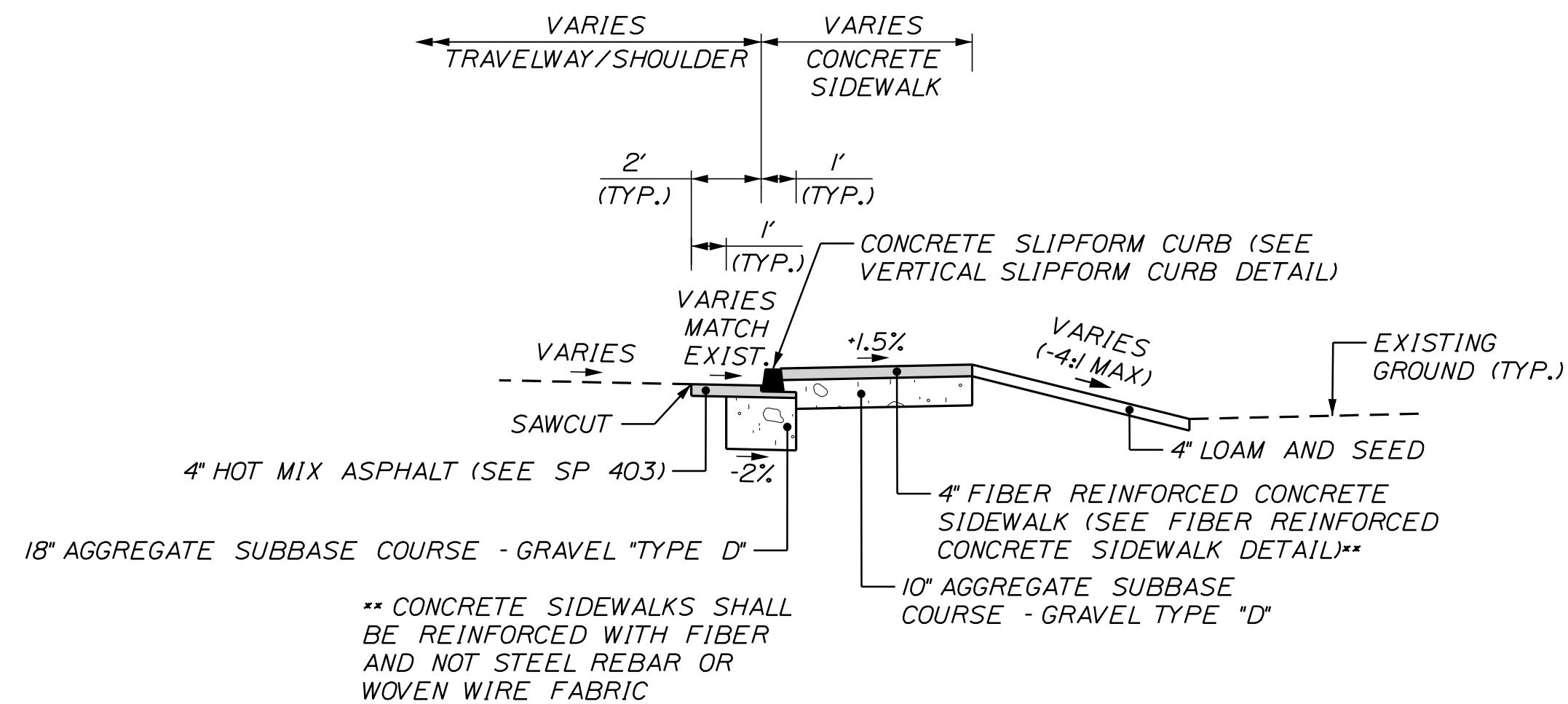
SHEET NUMBER

8

OF 84

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00



- 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.

NOT TO SCALE

PROJ. MANAGER	DESIGN-DET-ILED	T. WARREN	M. HILL	BY	DATE
	CHECKED-REVIEWED	J. WINCHENBACH	M. CUNDIFF		08/24
	DESIGN-2-DETAILED		D. TETINGER		08/24
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	DESIGN-100-DETAILED				
	DESIGN-101-				

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

DETAILS SHEET

HEET NUMBER

9

F 84

Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

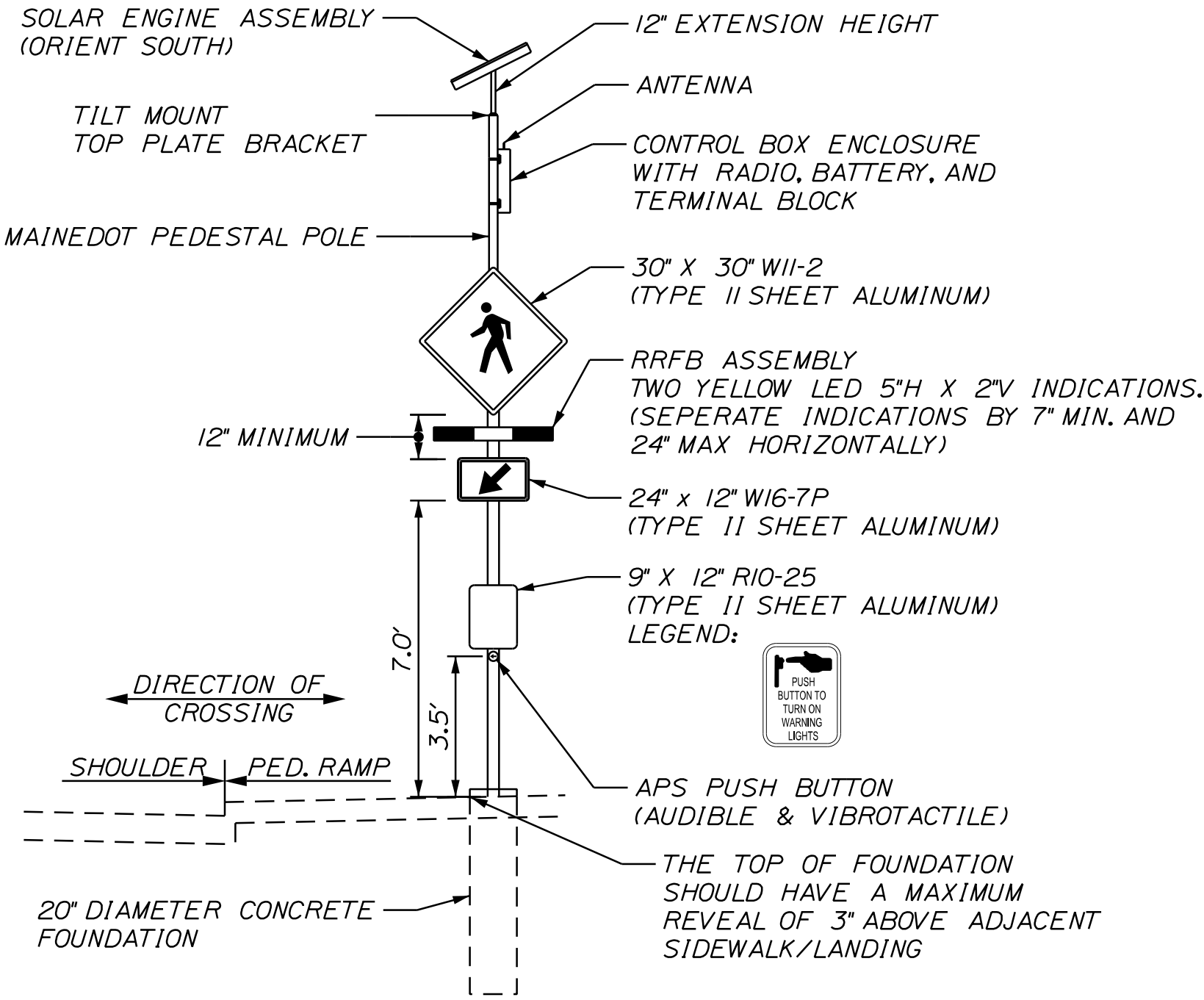
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SP = SPECIAL PROVISION

RECTANGULAR RAPID FLASHING BEACON NOTES:

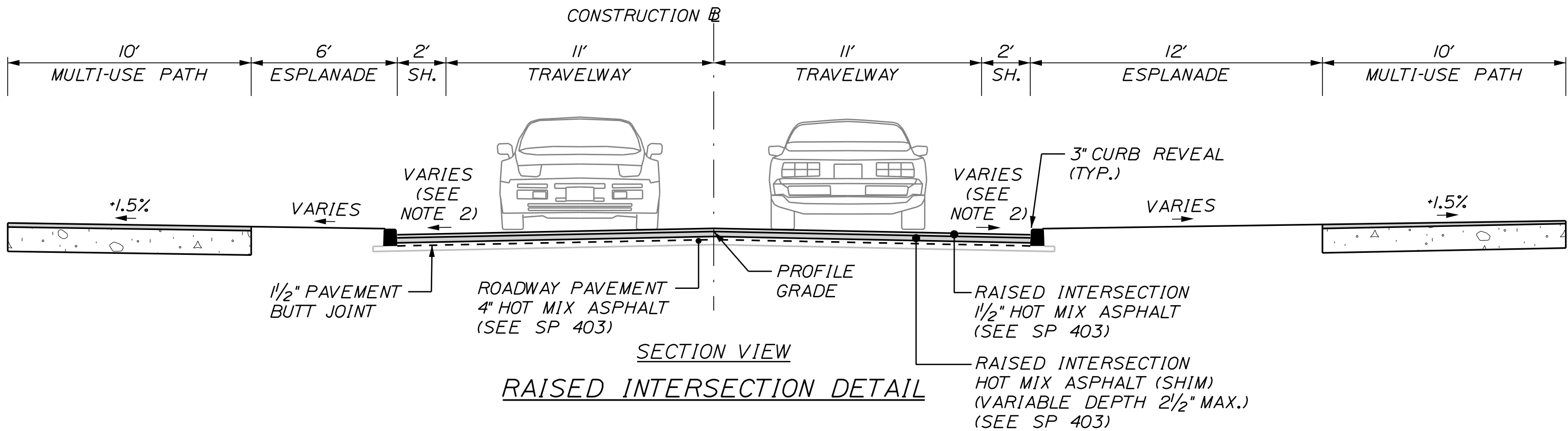
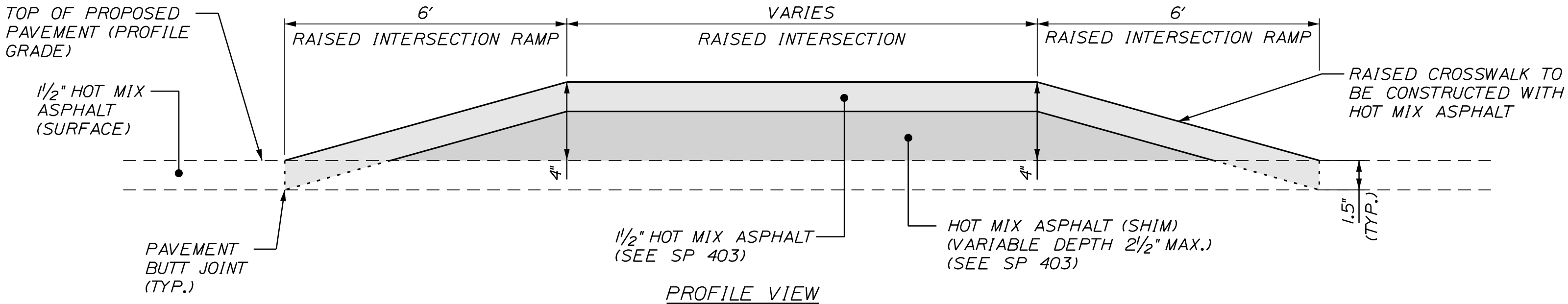
- RRFB ASSEMBLY PAIRS AT EACH CROSSWALK SHALL BE INTERCONNECTED WITH RADIO COMMUNICATIONS.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED AT 3.5 FEET ABOVE ADJACENT ACCESSIBLE SURFACE GRADE.
- MAXIMUM ALLOWABLE REACH DISTANCE FOR PEDESTRIAN PUSH BUTTONS IS 10 INCHES. INSTALL EXTENSION BRACKETS IF REQUIRED. PAYMENT FOR EXTENSION BRACKETS WILL BE INCIDENTAL TO ITEM 643.62.
- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALLY COULD CONFLICT WITH AERIAL UTILITIES.
- SPECIFIED RRFB ASSEMBLY LOCATIONS ARE MEASURED TO THE CENTER OF THE POSTS/FOUNDATIONS.
- ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.
- THE MAINTENANCE OF RRFB ASSEMBLIES AND FLASHING SIGNAGE SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINEDOT.
- W11-2 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.



RECTANGULAR RAPID
FLASHING BEACON DETAIL
STA. 230+21.12 RT. & STA. 230+34.45, LT.
STA. 21+08.92, RT. & STA. 21+09.66, LT.

NOTES:

- FLASH DURATION FOR THE WINTER STREET CROSSING SHALL BE 25 SECONDS.
- FLASH DURATION FOR THE WILLIAM OSCAR EMERY DRIVE CROSSING SHALL BE 20 SECONDS.
- INSTALL R10-25 SIGNAGE AND PUSH BUTTONS TO ALIGN TO DIRECTION OF CROSSING.
- PUSH BUTTONS MUST BE LOCATED NO MORE THAN 10' FROM EDGE OF SIDEWALK.
- ALIGN W11-2 RRFB ASSEMBLY AND W16-7P TO FACE TRAFFIC.



RAISED INTERSECTION DETAIL

NOTES:

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

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CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

DETAILS SHEET

SHEET NUMBER

10
OF 84

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
---	-----

NOTES:
1. A DRAINAGE SUMMARY SHEET WILL BE ADDED TO THE PLANS PRIOR TO THE DRAFT PSE SUBMITTAL.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

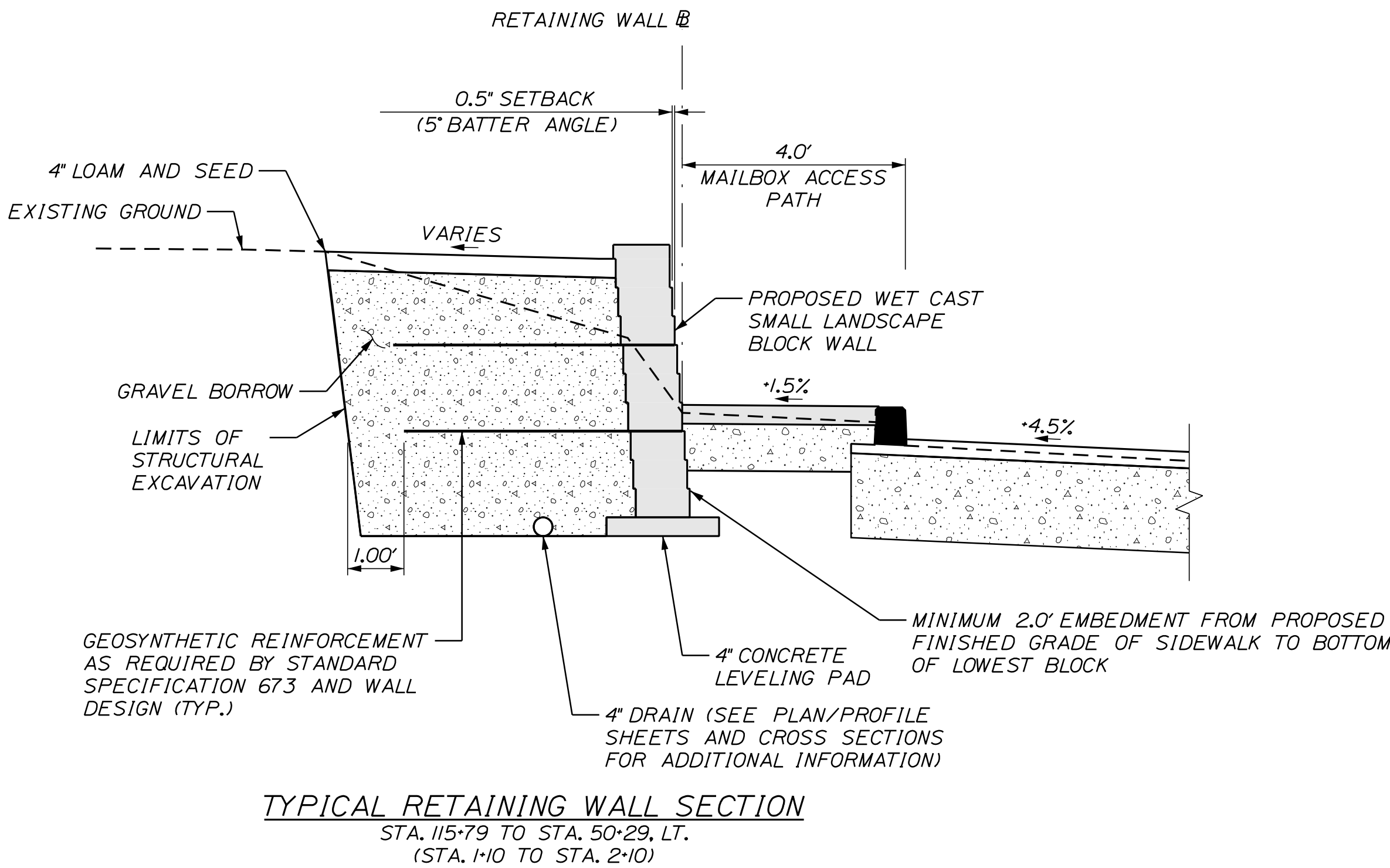
WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/24
CHECKED-REVIEWED	J. WHEBACH	D. ETINGER	08/24
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CONSTRUCTION NOTES

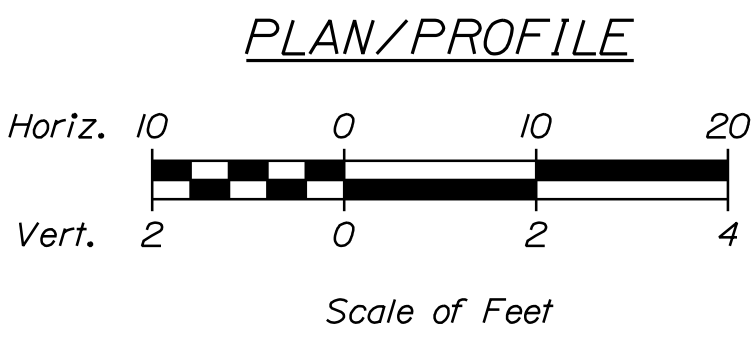
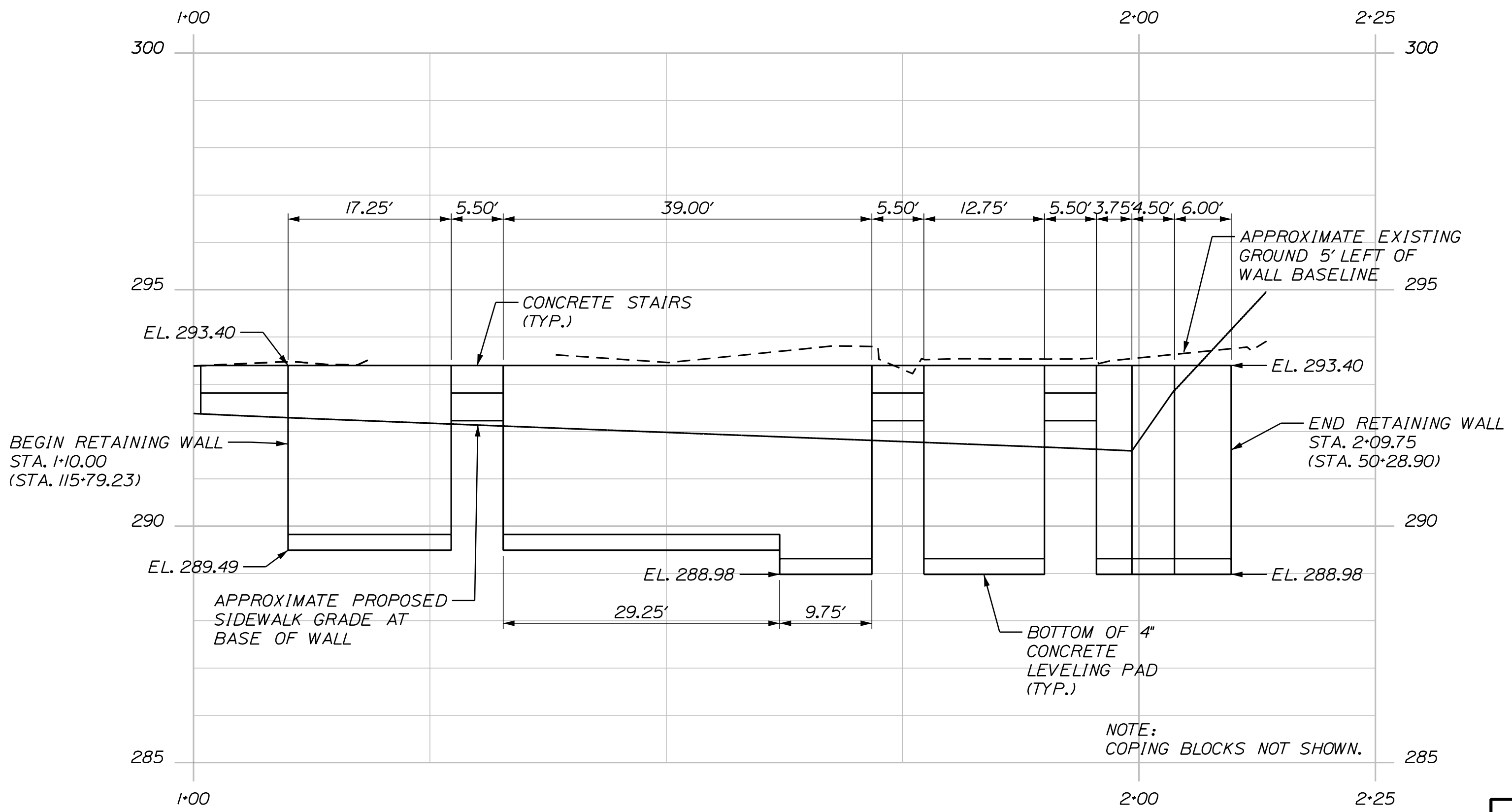
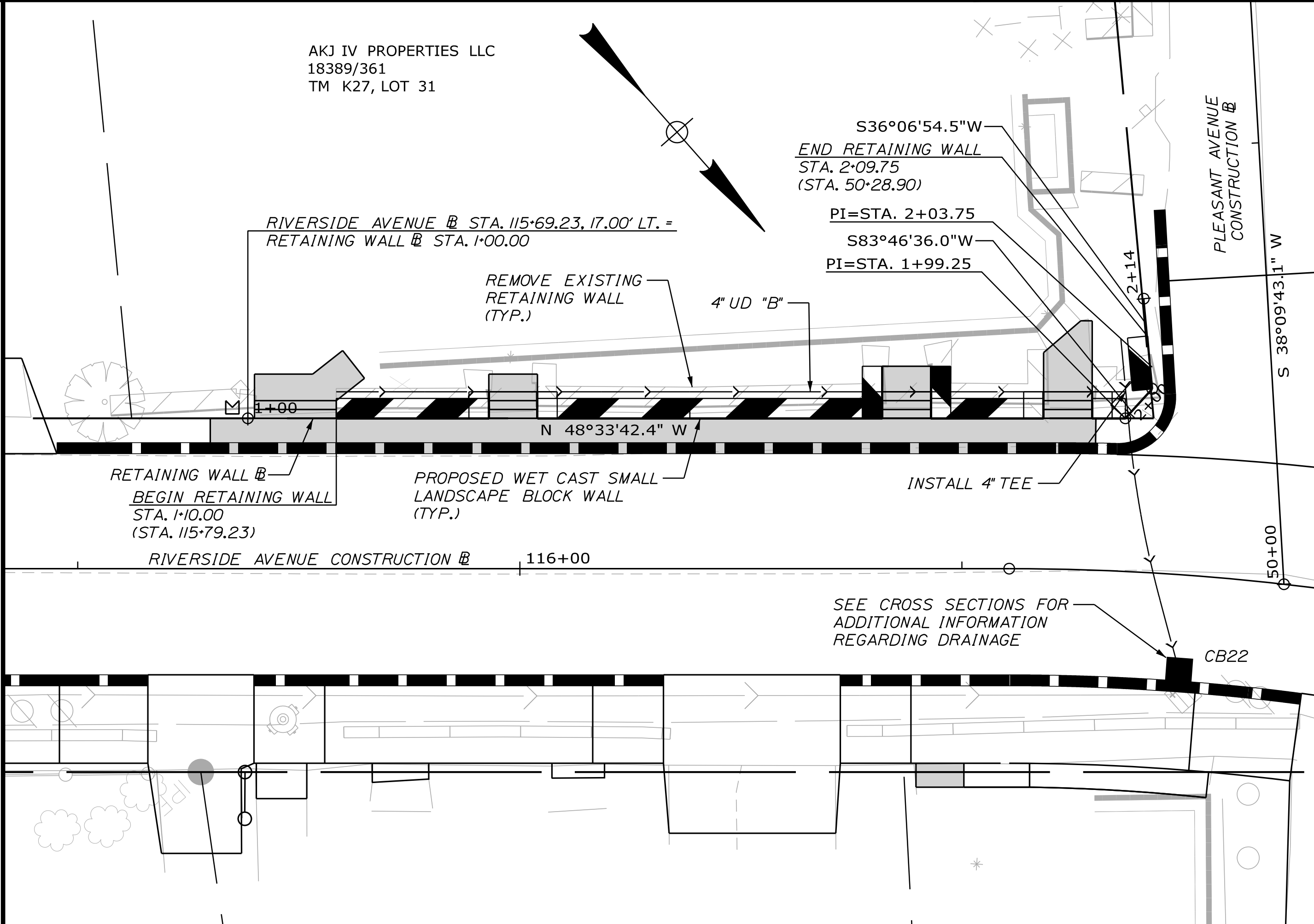
SHEET NUMBER

11



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

NOT TO SCALE



RETAINING WALL ELEVATION



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WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED-Detailed	T. WARREN	08/24			
CHECKED-Reviewed	M. CUNDIFF	08/24			
DESIGNED-Detailed	J. WILSON				
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SPECIAL DETAILS
RETAINING WALL

SHEET NUMBER

12

OF 84

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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WIN
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SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SPECIAL DETAILS
RETAINING WALL

SHEET NUMBER

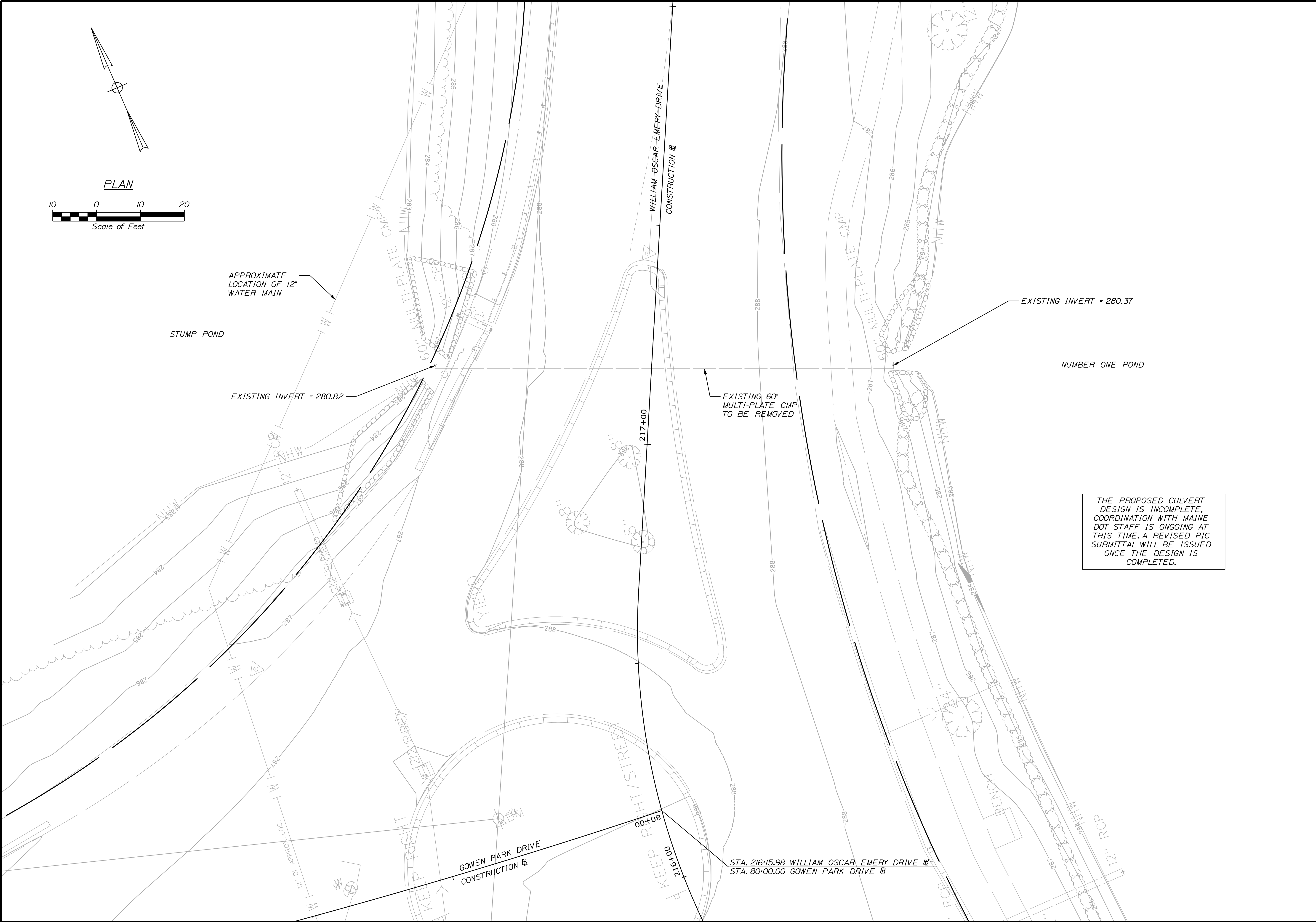
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SHEET NUMBER

14

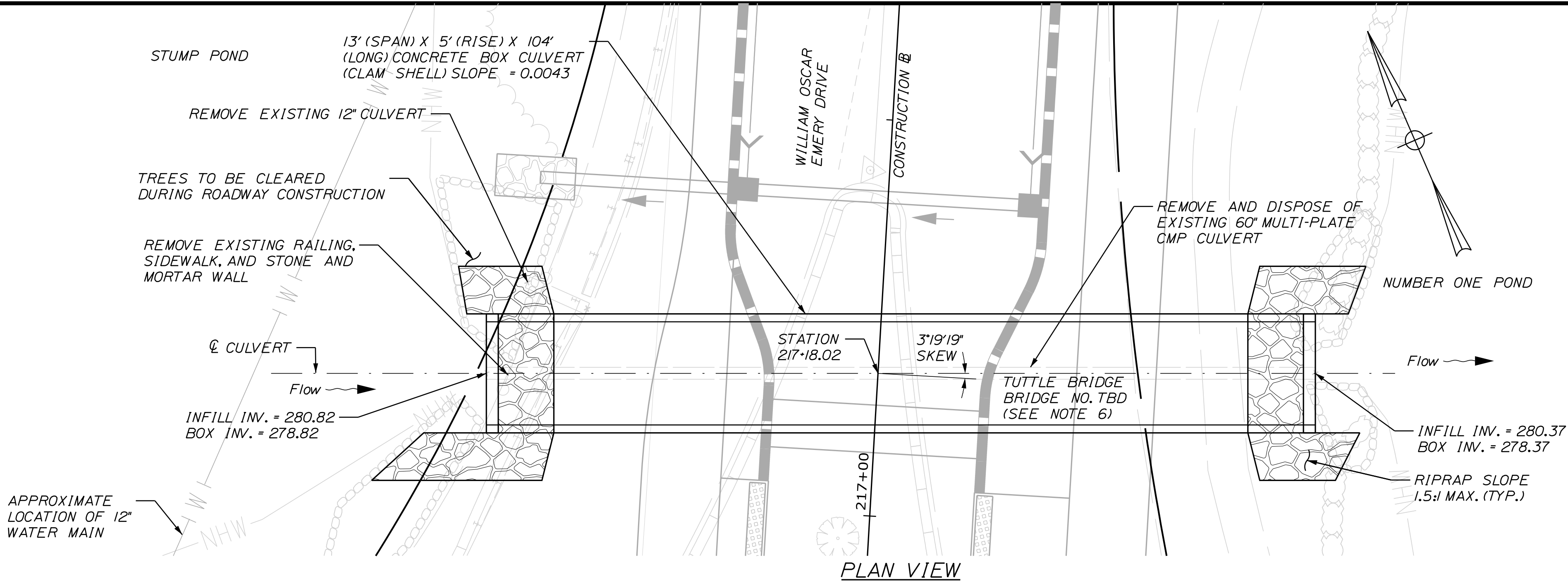
OF 84

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SPECIAL DETAILS - CULVERT

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	J.B. SHAW	M.CUNDIFF	08/24
CHECKED-REVIEWED	J.WINCHERBACH	W.HASKELL	08/24
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

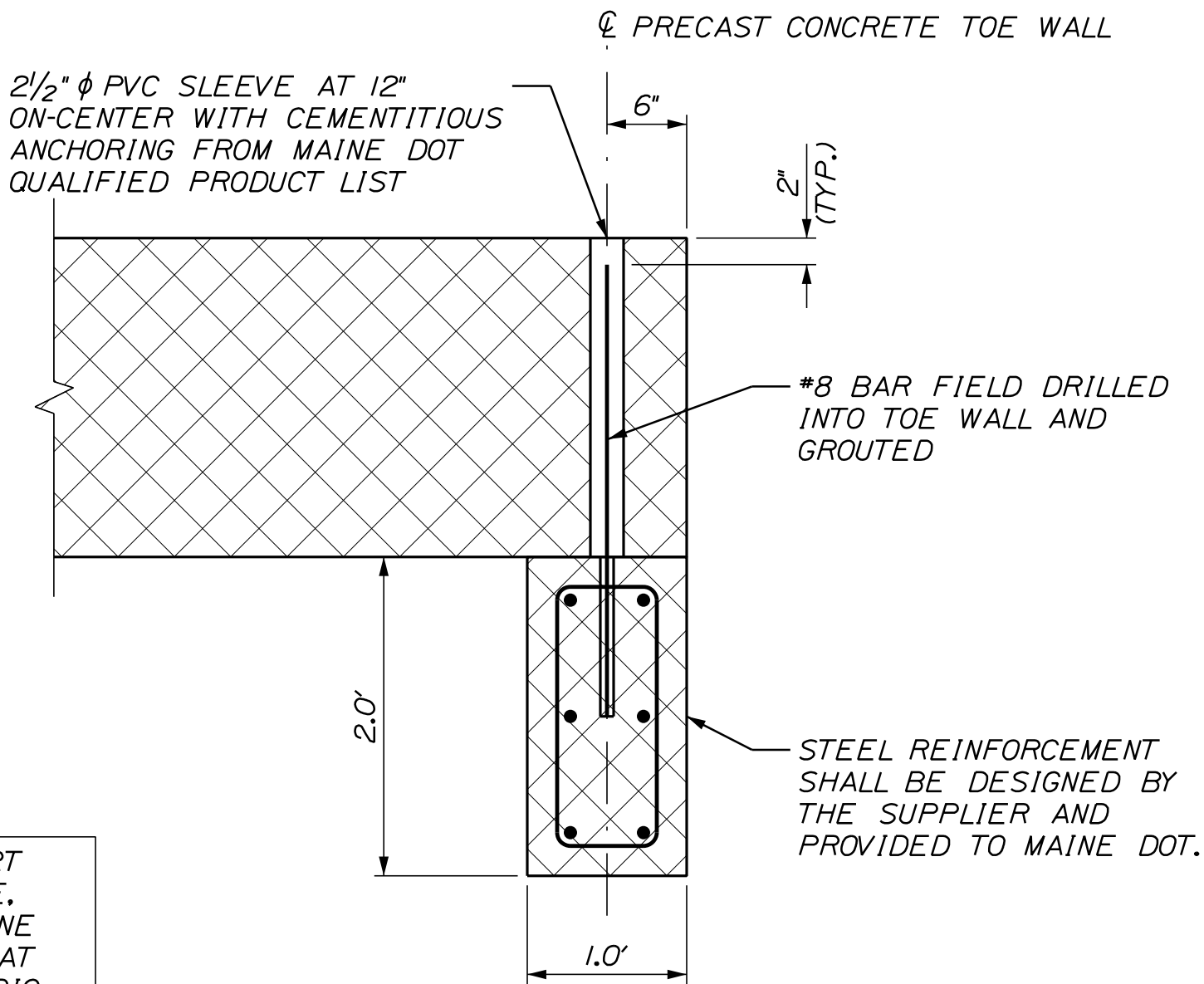
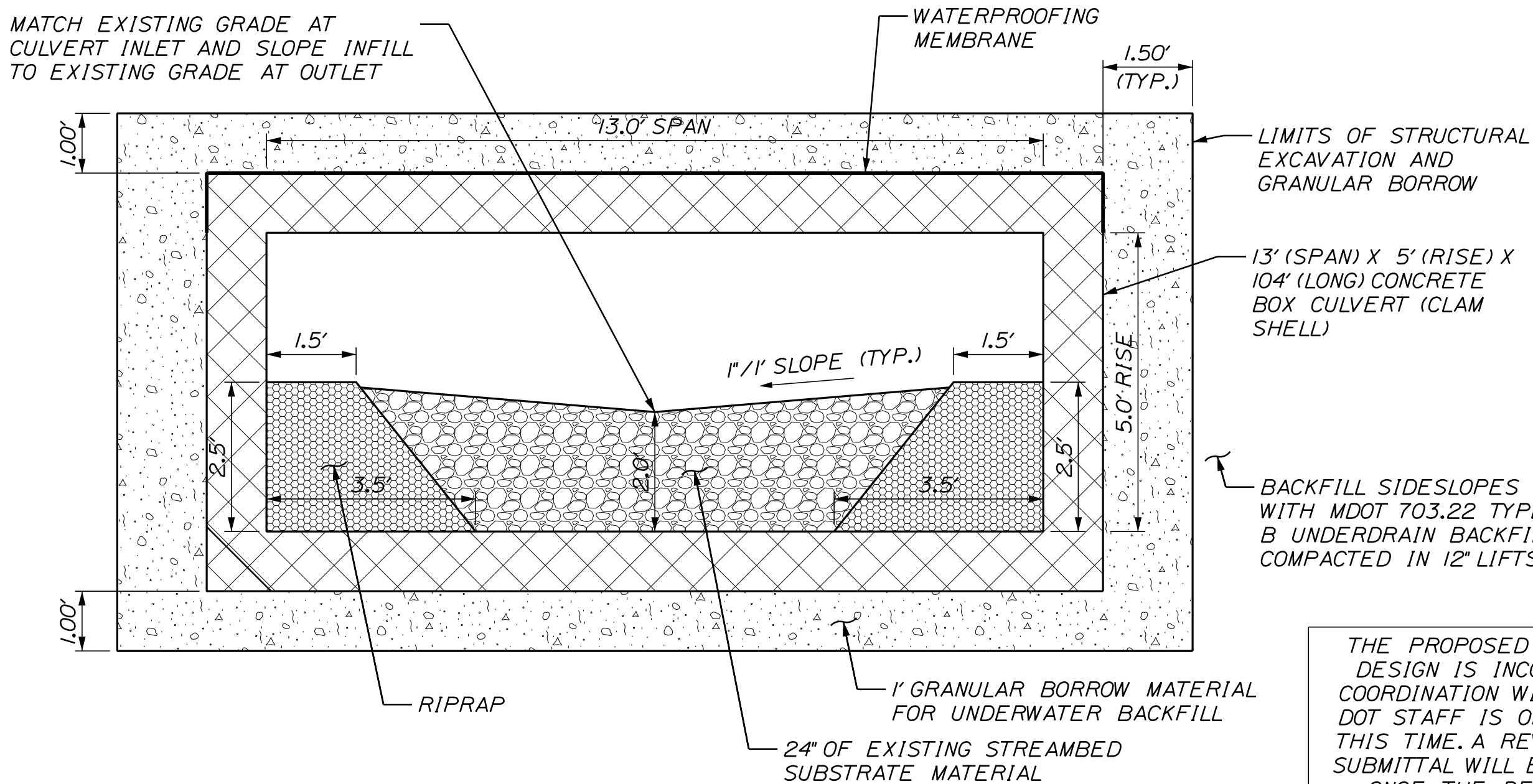
CITY OF SANFORD
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SANFORD, MAINE 04073

WIN
025335.00



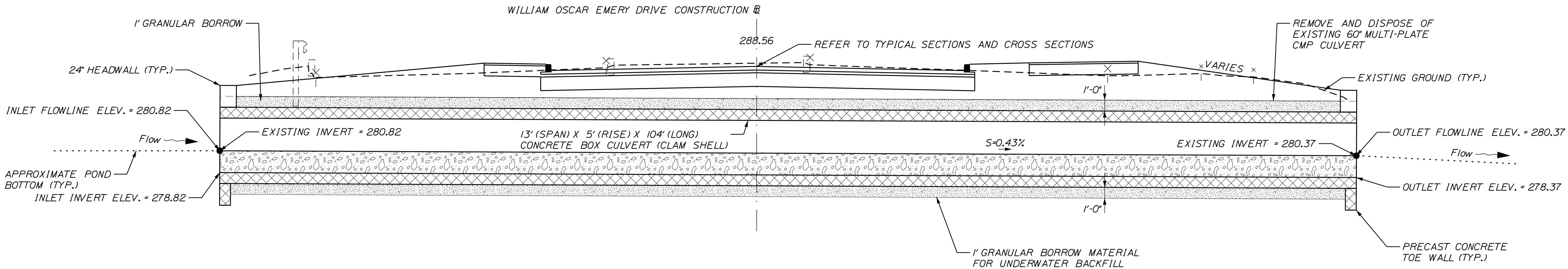
- PLAN VIEW NOTES:**
1. TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN 100 FEET OF THE POND.
 2. CONTRACTOR SHALL SUBMIT DEWATERING AND CHANNEL BYPASS PLAN TO RESIDENT FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.
 3. CONTRACTOR SHALL ADD ADDITIONAL BMPS DOWNGRADIENT OF DIRTBAG IF WATER BECOMES SEDIMENT-LADEN.
 4. STOCKPILE EXISTING STREAMBED MATERIAL REMOVED DURING EXISTING CULVERT REMOVAL AND NEW CULVERT EXCAVATION. EXISTING STREAMBED MATERIAL SHALL BE INSTALLED IN THE NEW CULVERT PER PLAN.
 5. ALL INSTREAM WORK SHALL BE COMPLETED BETWEEN JULY 15 AND SEPTEMBER 30.
 6. THE BRIDGE NUMBER IS BEING COORDINATED WITH MAINE DOT BRIDGE GROUP AND WILL BE NOTED ON THE PLANS PRIOR TO THE DRAFT PSE.

- PRECAST CONCRETE BOX CULVERT NOTES**
1. PRECAST UNITS SHALL BE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 18 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 "CLAMSHELL" 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.



**BOX CULVERT SECTION
PERENNIAL STREAM CROSSING**

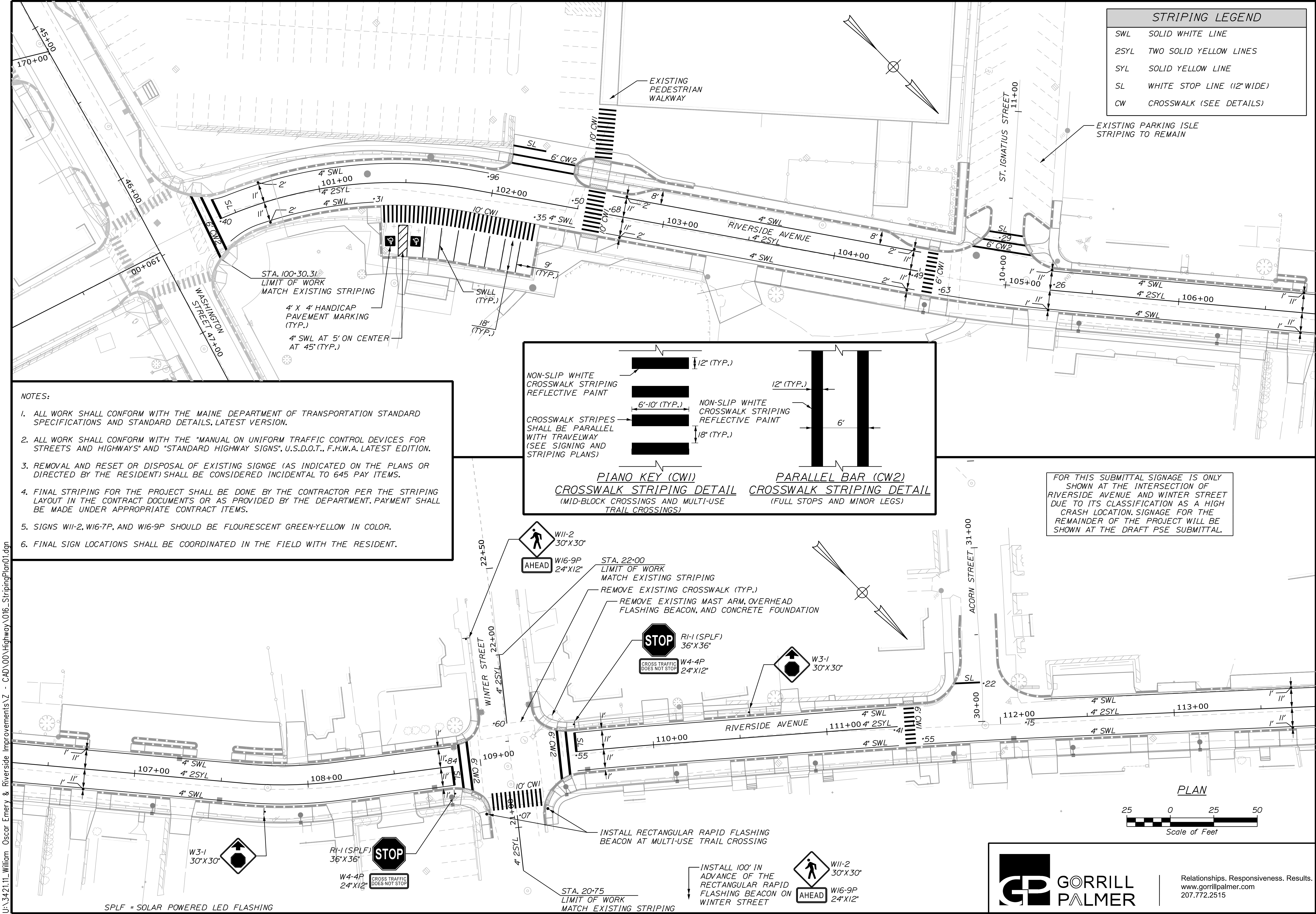
PRECAST CONCRETE TOE WALL



TRANSVERSE SECTION (ALONG CULVERT CENTERLINE)

CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00	
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE		SPECIAL DETAILS - CULVERT	
SHEET NUMBER 15 OF 84			

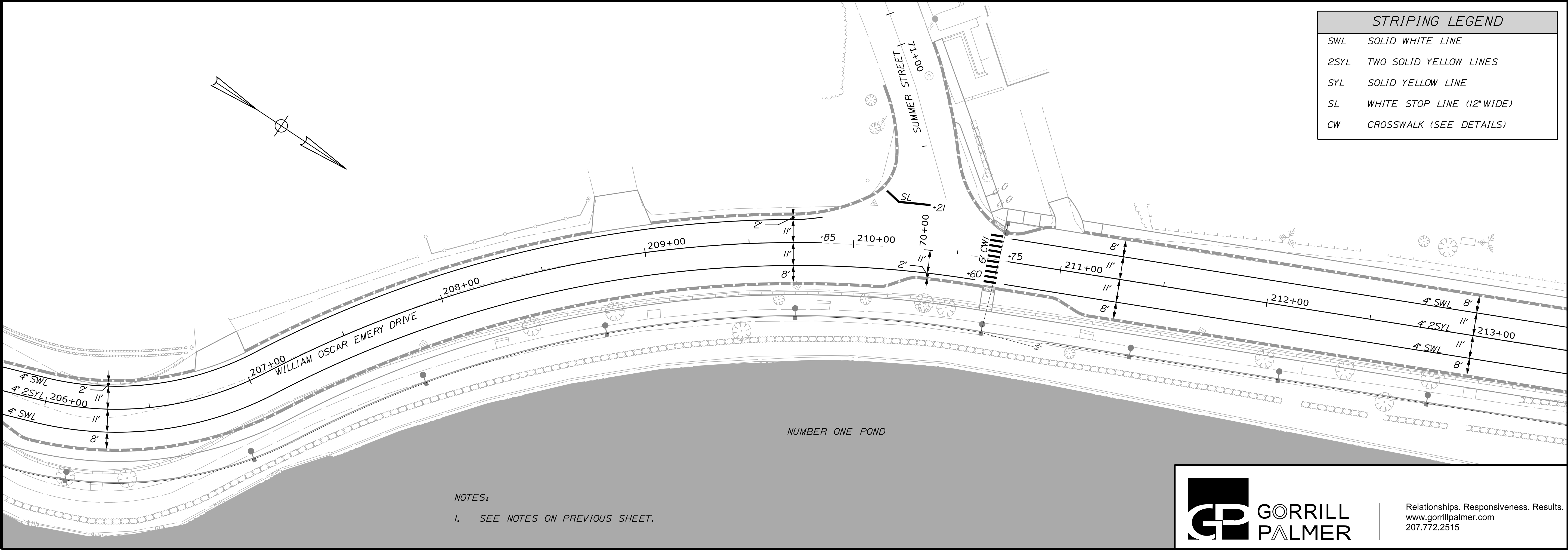
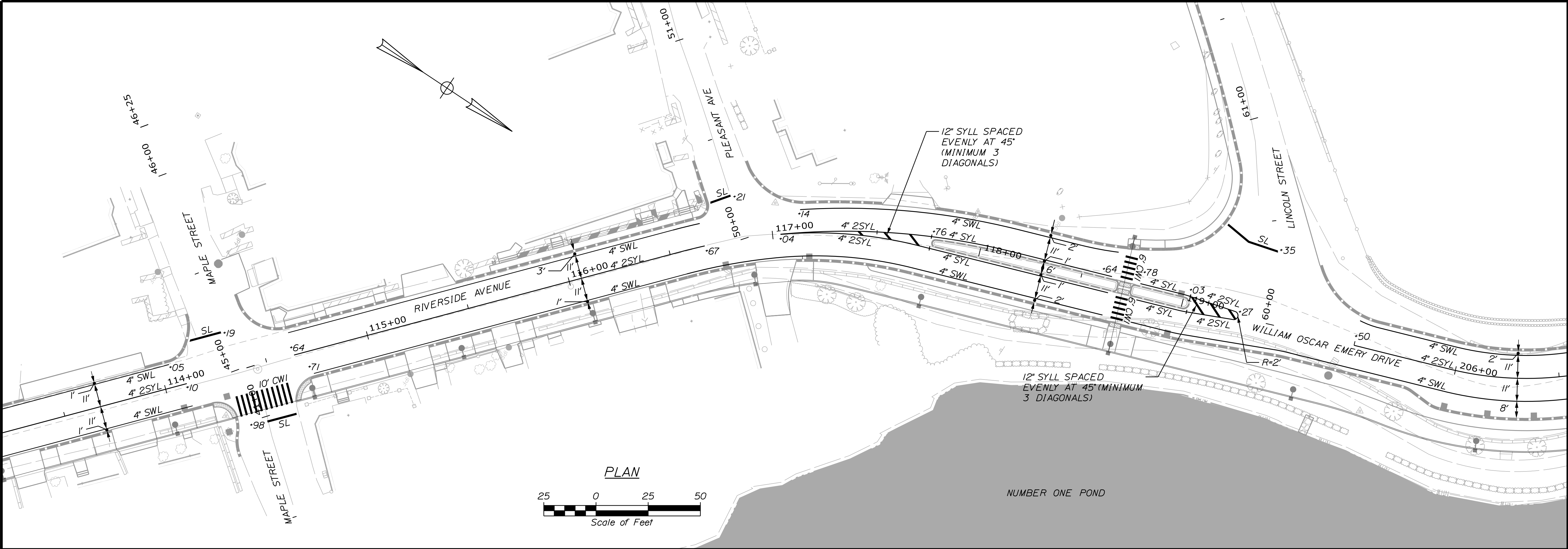
PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	M. HILL	08/24			
CHECKED-REVIEWED	J.B. SHAW	08/24			
DESIGN-DETAILED	M. CUNDIFF	08/24			
DESIGN-DETAILED	W. HASKELL	08/24			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					



CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073				WIN 025335.00	
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE STRIPING PLANS				PROJ. MANAGER	DATE
				BY	DATE
DESIGN-DETAILED				T. WARREN	02/24
CHECKED-REVIEWED				M. CUNDIFF	02/24
DESIGN-DETAILED				J. WAGENBACH	02/24
DESIGN-DETAILED				D. ETINGER	02/24
SIGNATURE				P.E. NUMBER	DATE
REVISIONS 1				-	-
REVISIONS 2				-	-
REVISIONS 3				-	-
REVISIONS 4				-	-
FIELD CHANGES				-	-
SHEET NUMBER				16	
				OF 84	



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NOTES:
1. SEE NOTES ON PREVIOUS SHEET.



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CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00	
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE		STRIPING PLANS	
SHEET NUMBER		17 OF 84	
PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN-DETAILED	M. HILL	02/24	
CHECKED-REVIEWED	M. CUNDIFF	02/24	
DESIGN-DETAILED	J. WAGENBACH	02/24	
DESIGN-DETAILED			
REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

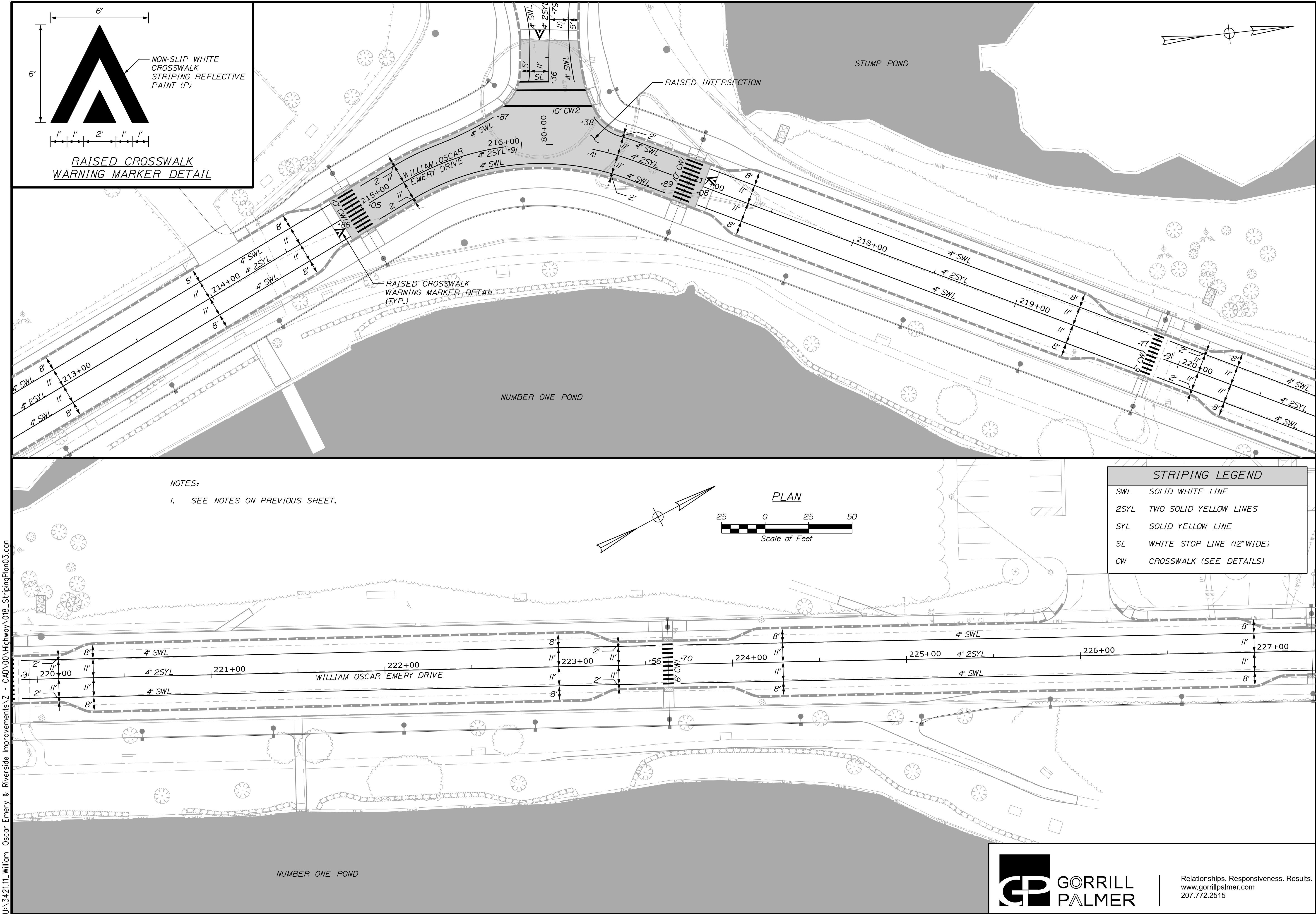
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Username: Mike.Cundiff

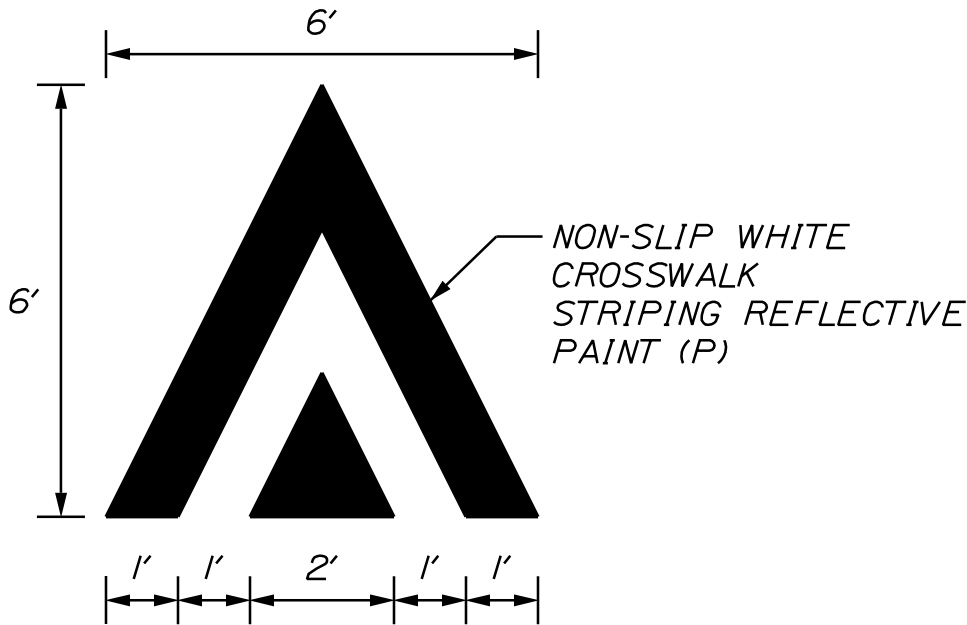
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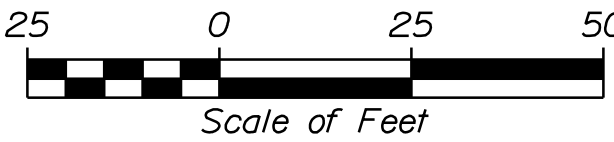
RAISED CROSSWALK
WARNING MARKER DETAIL



NOTES:

1. SEE NOTES ON PREVIOUS SHEET.

PLAN



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)

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER
DESIGNED-DETAILED
CHECKED-REVIEWED
DESIGNED-DETAILED
DESIGNED-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

BY
M. HILL
T. WARREN
M. CUNDIFF
J. WAGENBACH
D. ETINGER

DATE
02/24
02/24
02/24

SIGNATURE

P.E. NUMBER

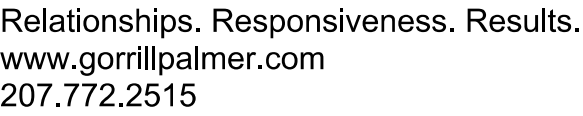
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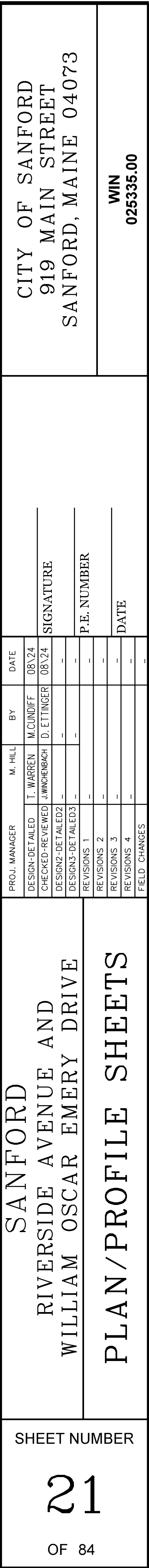
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

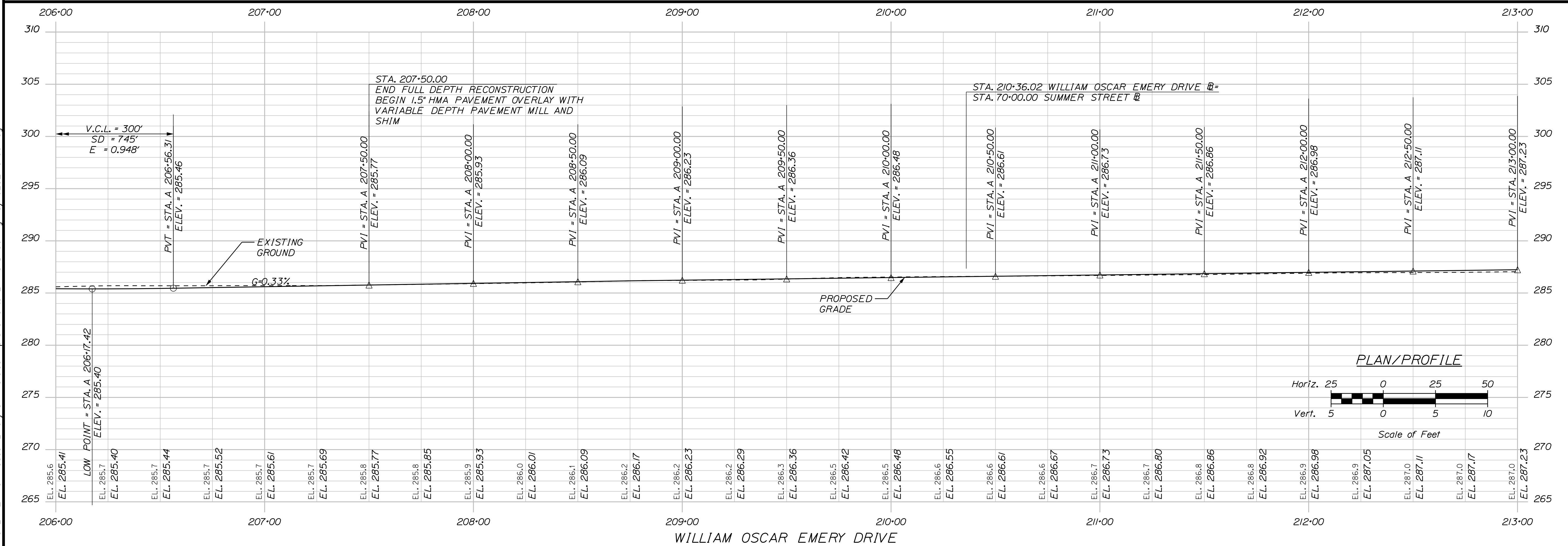
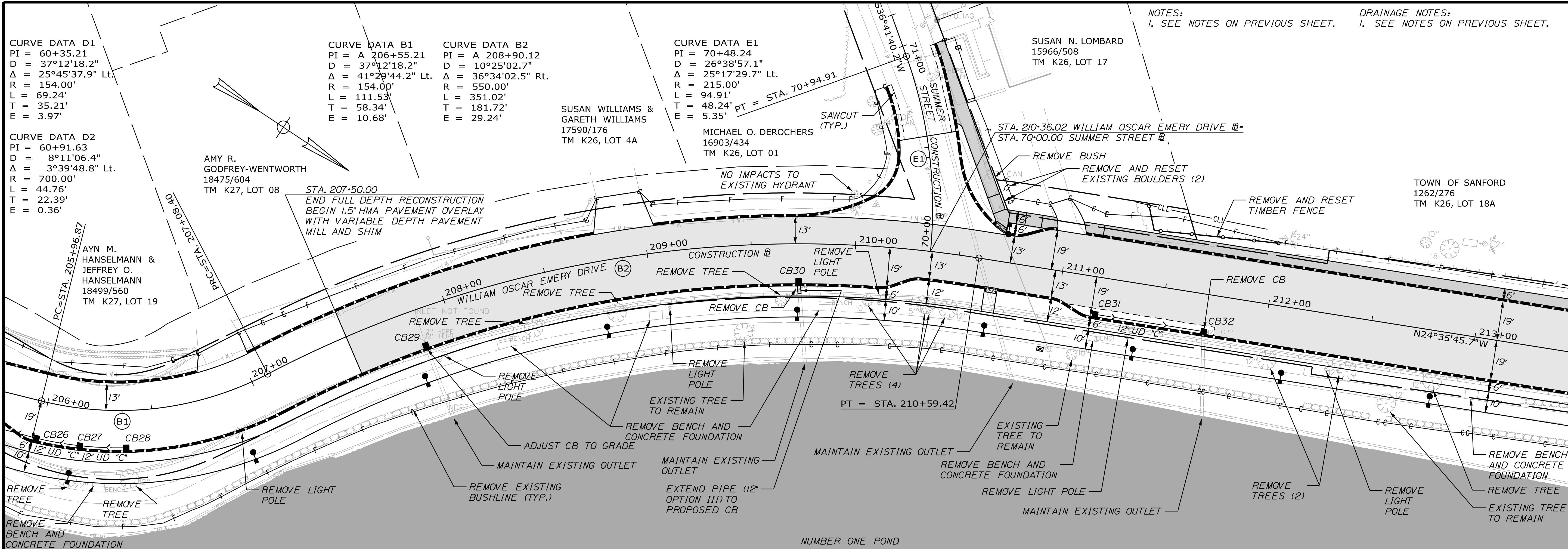
STRIPING PLANS

SHEET NUMBER

18
OF 84







NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

DRAINAGE NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. GUNDIFF	08/24
CHECKED-REVIEWED	J. WINCHENBACH	D. EITINGER	08/24
DESIGN-DET. FILED 01			SIGNATURE
DESIGN-DET. FILED 03			
DESIGN-DET. FILED 05			
REVISIONS 1			P.E. NUMBER
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			DATE

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
PLAN/PROFILE SHEETS

SHEET NUMBER

23

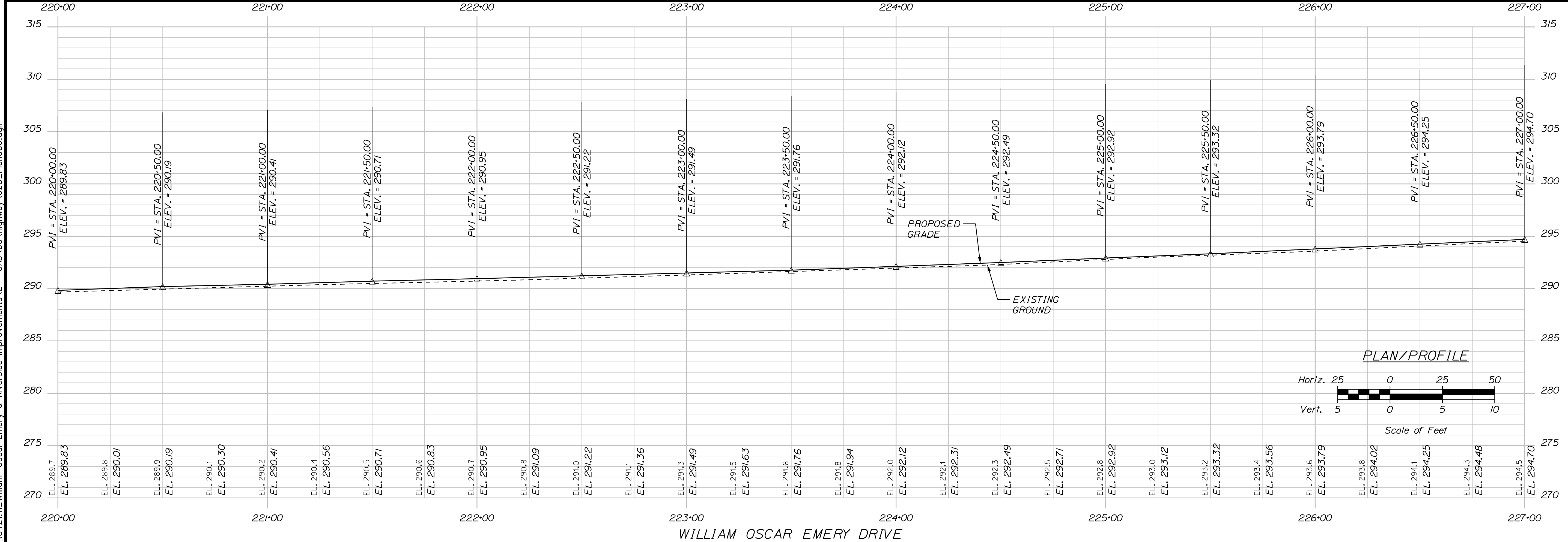
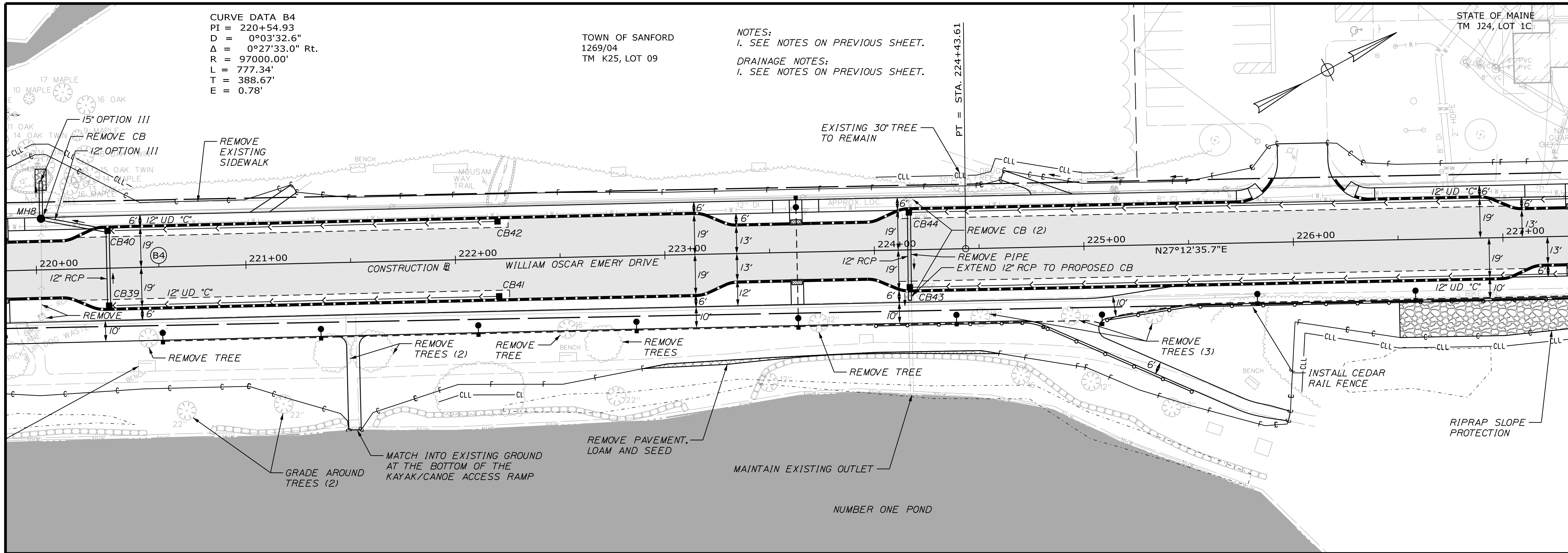
OF 84

NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

DRAINAGE NOTES:
1. SEE NOTES ON PREVIOUS SHEET.

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00



PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/24
CHECKED-REVIEWED	J. WACHENBACH	D. ETTINGER	08/24
DESIGN-3-DETAIL#2	--	--	--
DESIGN-3-DETAIL#3	--	--	--
REVISIONS 1	--	--	--
REVISIONS 2	--	--	--
REVISIONS 3	--	--	--
REVISIONS 4	--	--	--

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
PLAN/PROFILE SHEETS

SHEET NUMBER

25

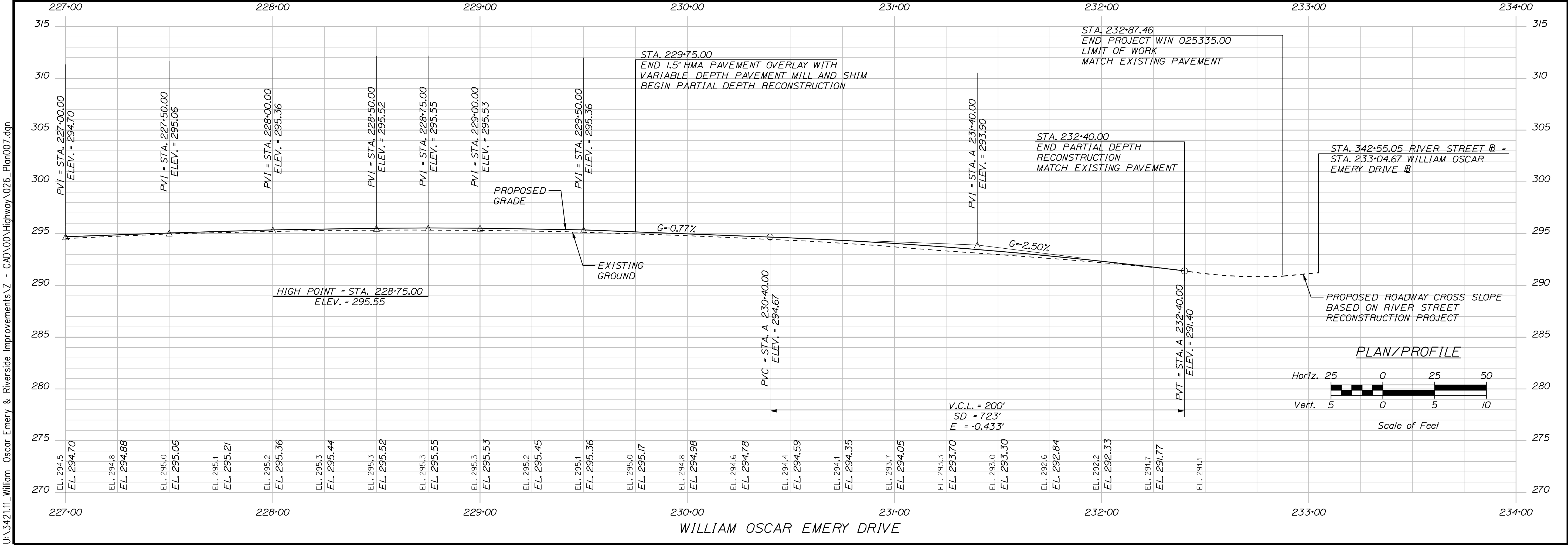
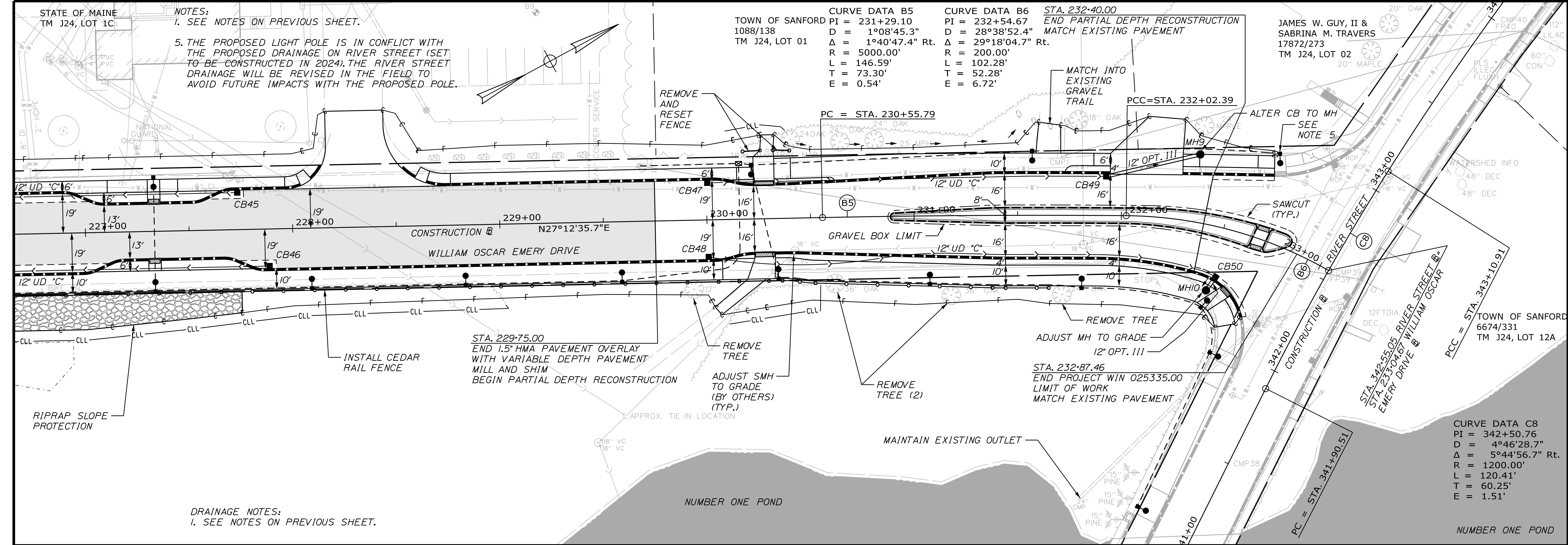
OF 84

Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...\\00\\Highway\\026_Plan\\007.dgn



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

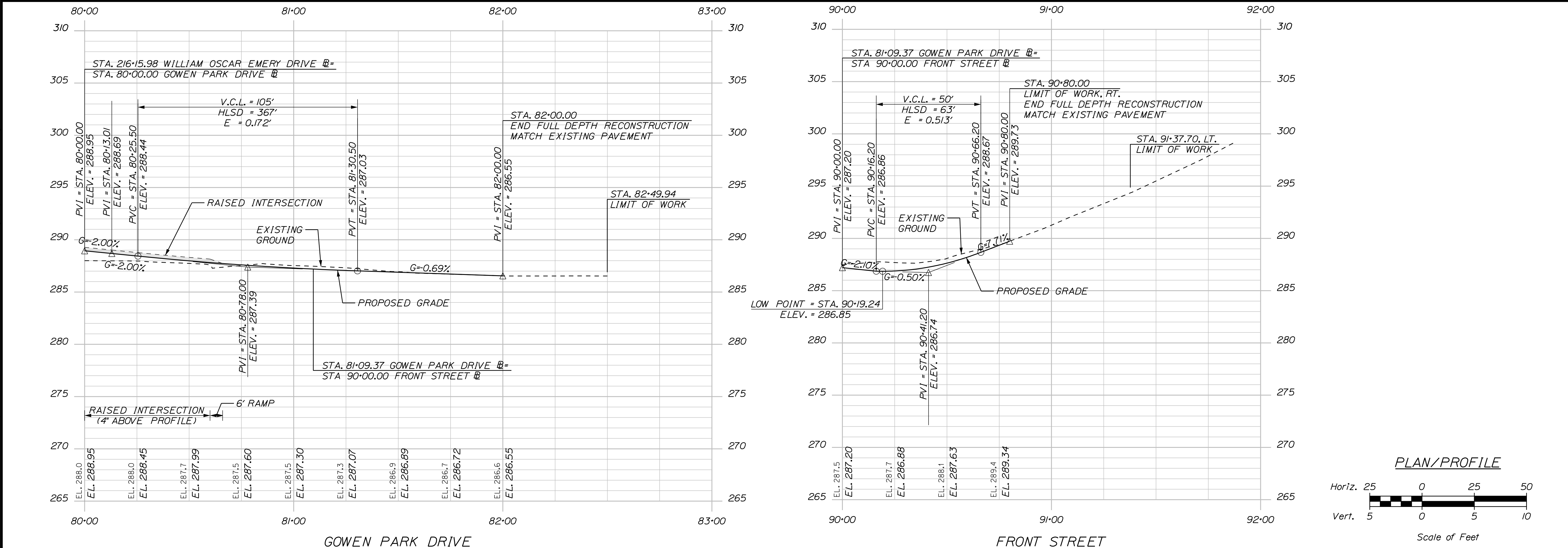
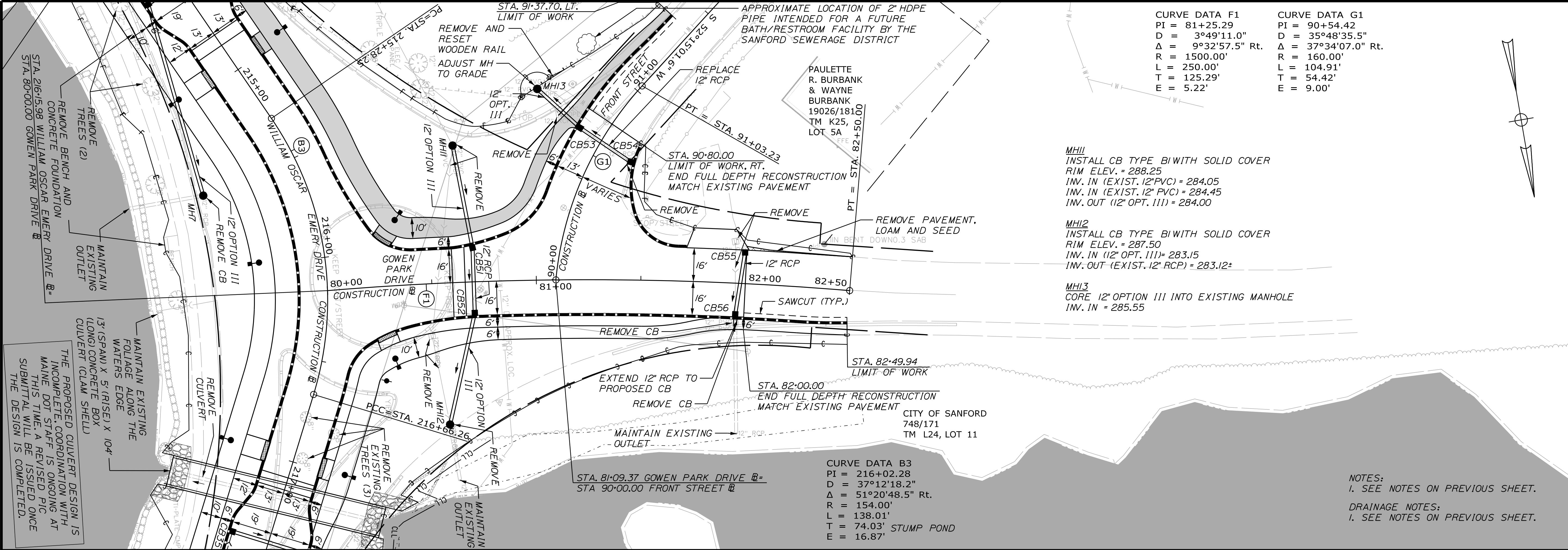
WIN
025335.00

PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE
DESIGNED-DETAILED	T. WARREN	M. CUNDIFF	08/24	
CHECKED-REVIEWED	J. WAREHAM	D. ETINGER	08/24	
DESIGNED-DETAILED				
DESIGNED-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

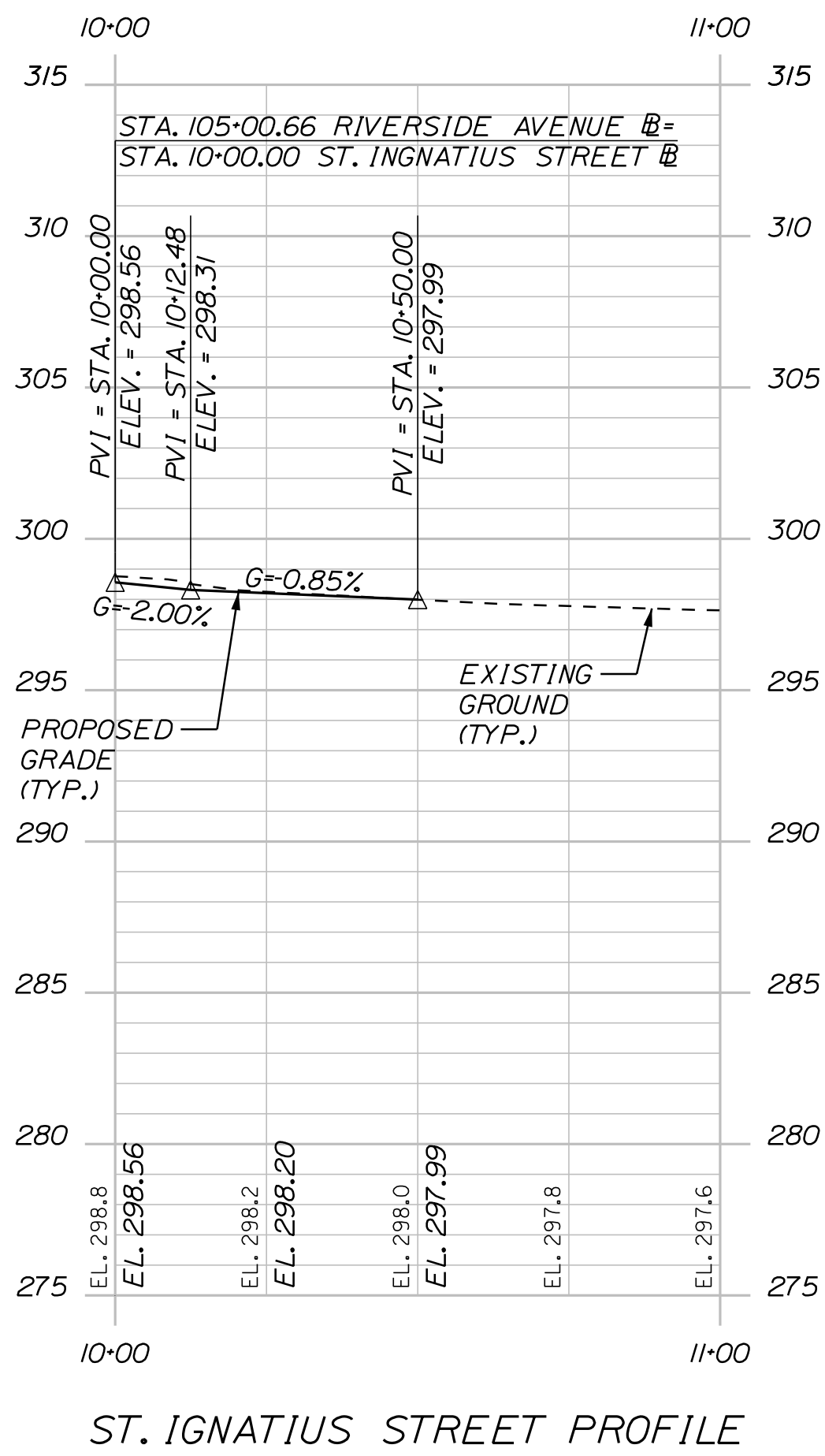
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

PLAN/PROFILE SHEETS

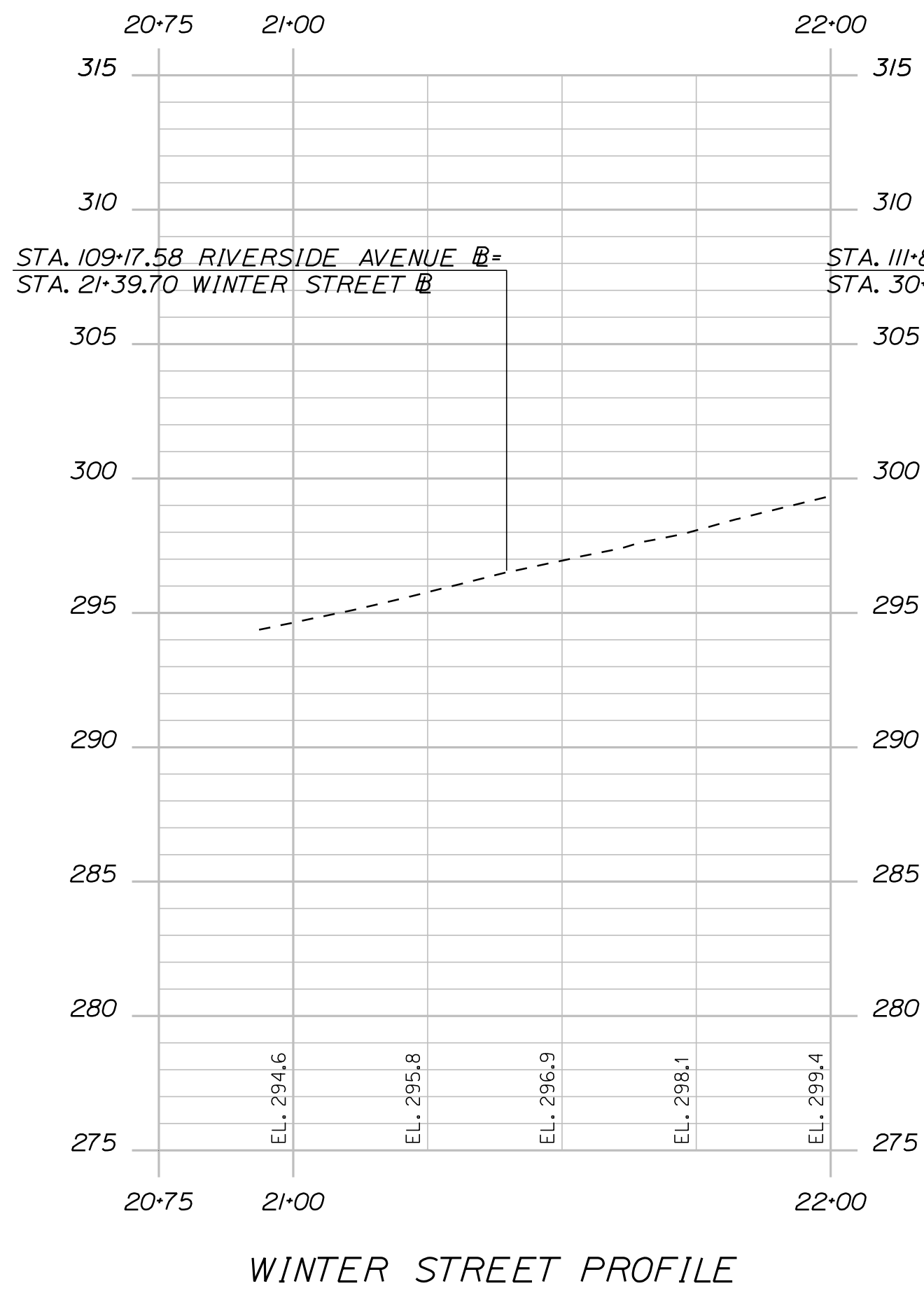
SHEET NUMBER
26
OF 84



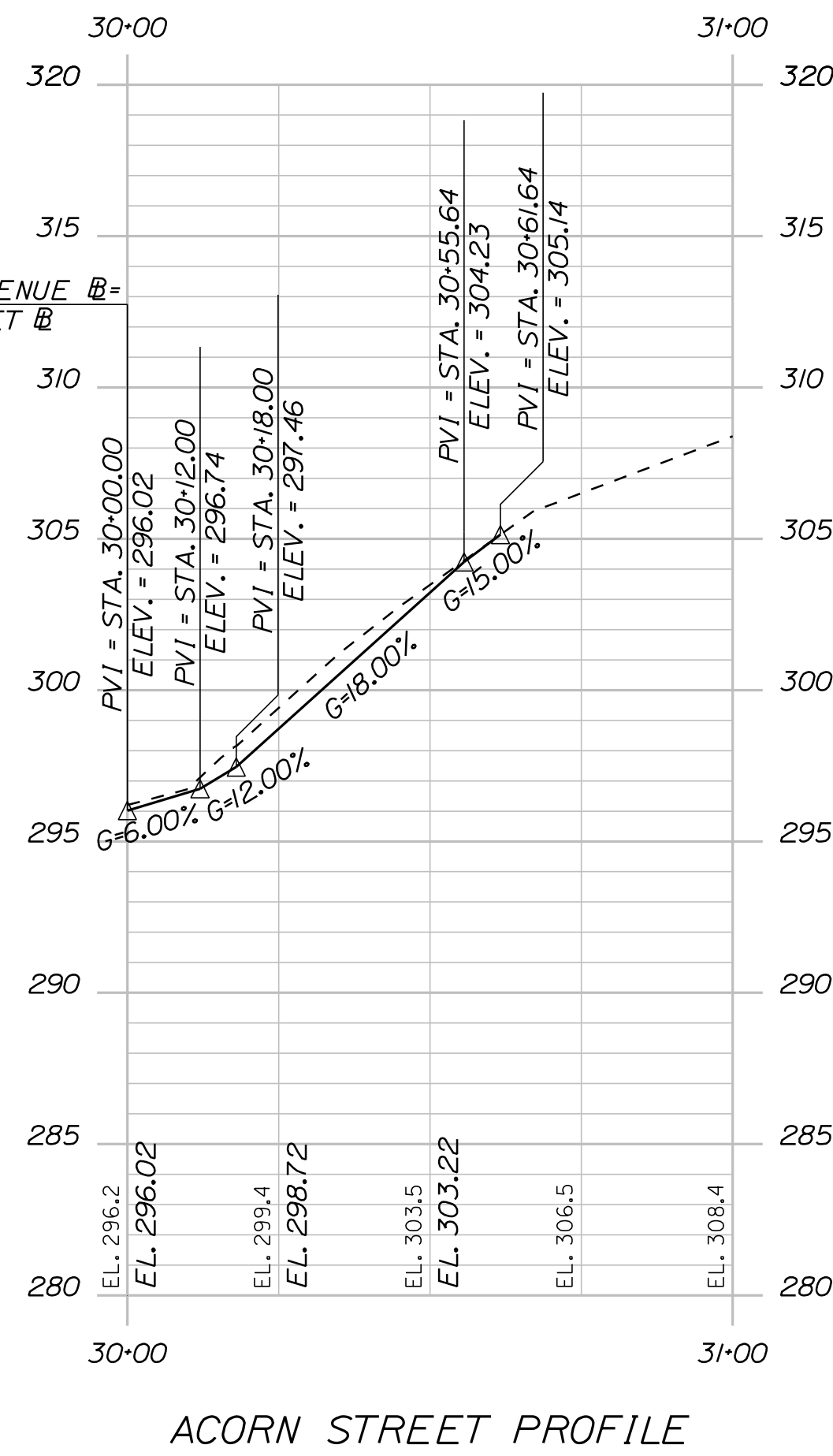
CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073		WIN 025335.00	
SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE PLAN/PROFILE SHEETS		SHEET NUMBER 27 OF 84	
PROJ. MANAGER	BY	DATE	SIGNATURE
CHECKED-REVIEWED	M. CUNDIFF	08/24	
DESIGNED-DETAILED	D. ETINGER	08/24	
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



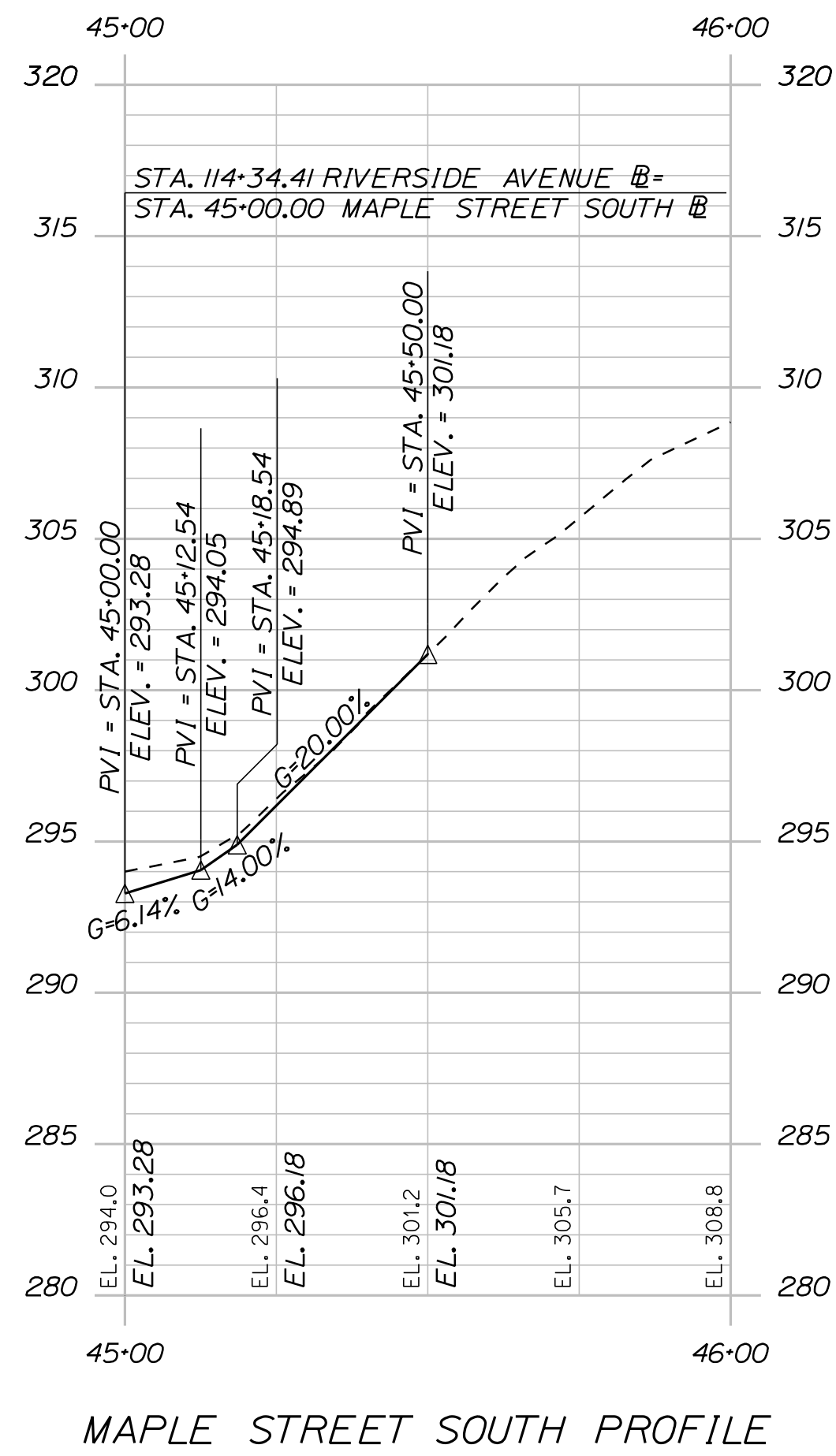
ST. IGNATIUS STREET PROFILE



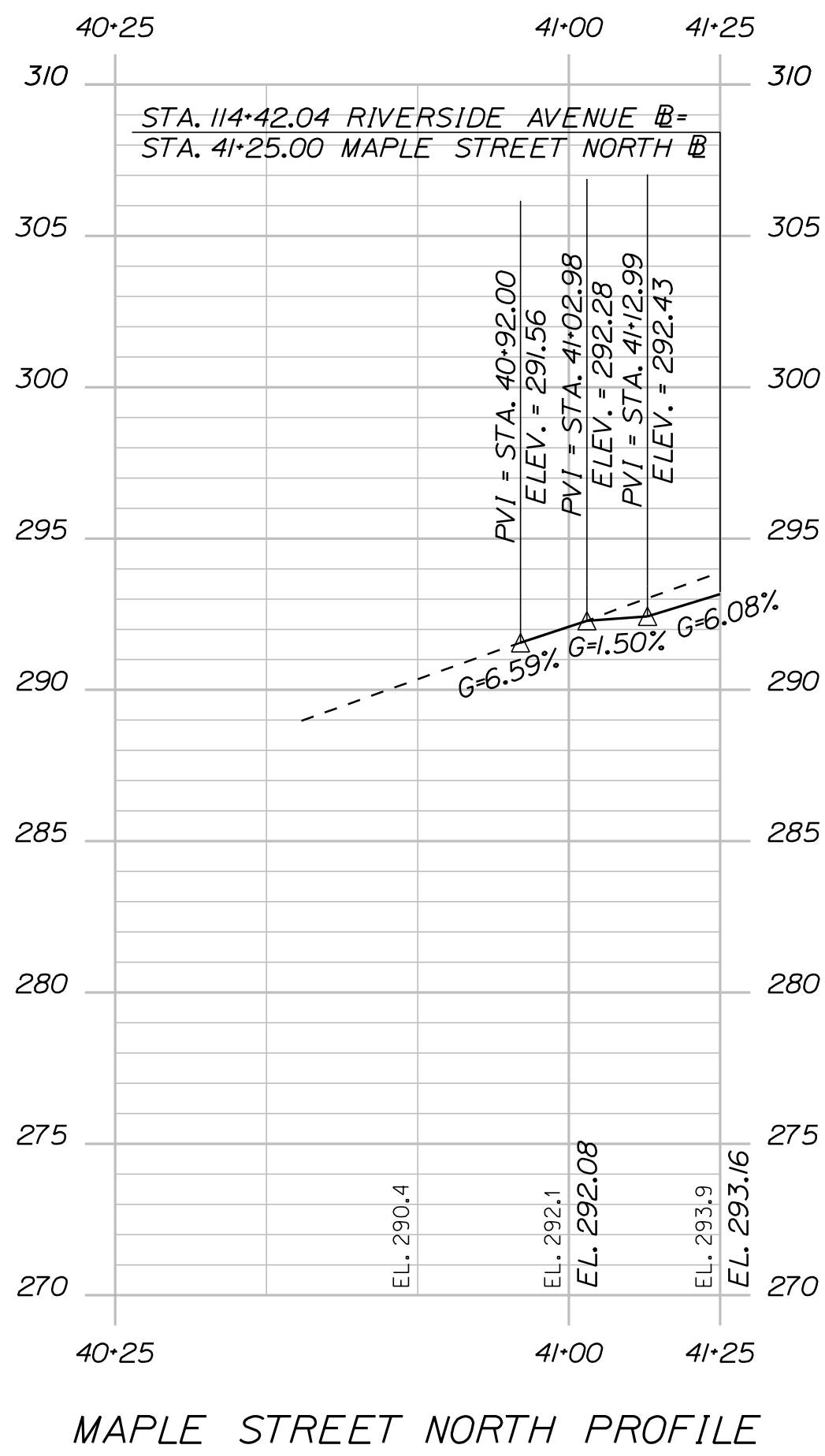
WINTER STREET PROFILE



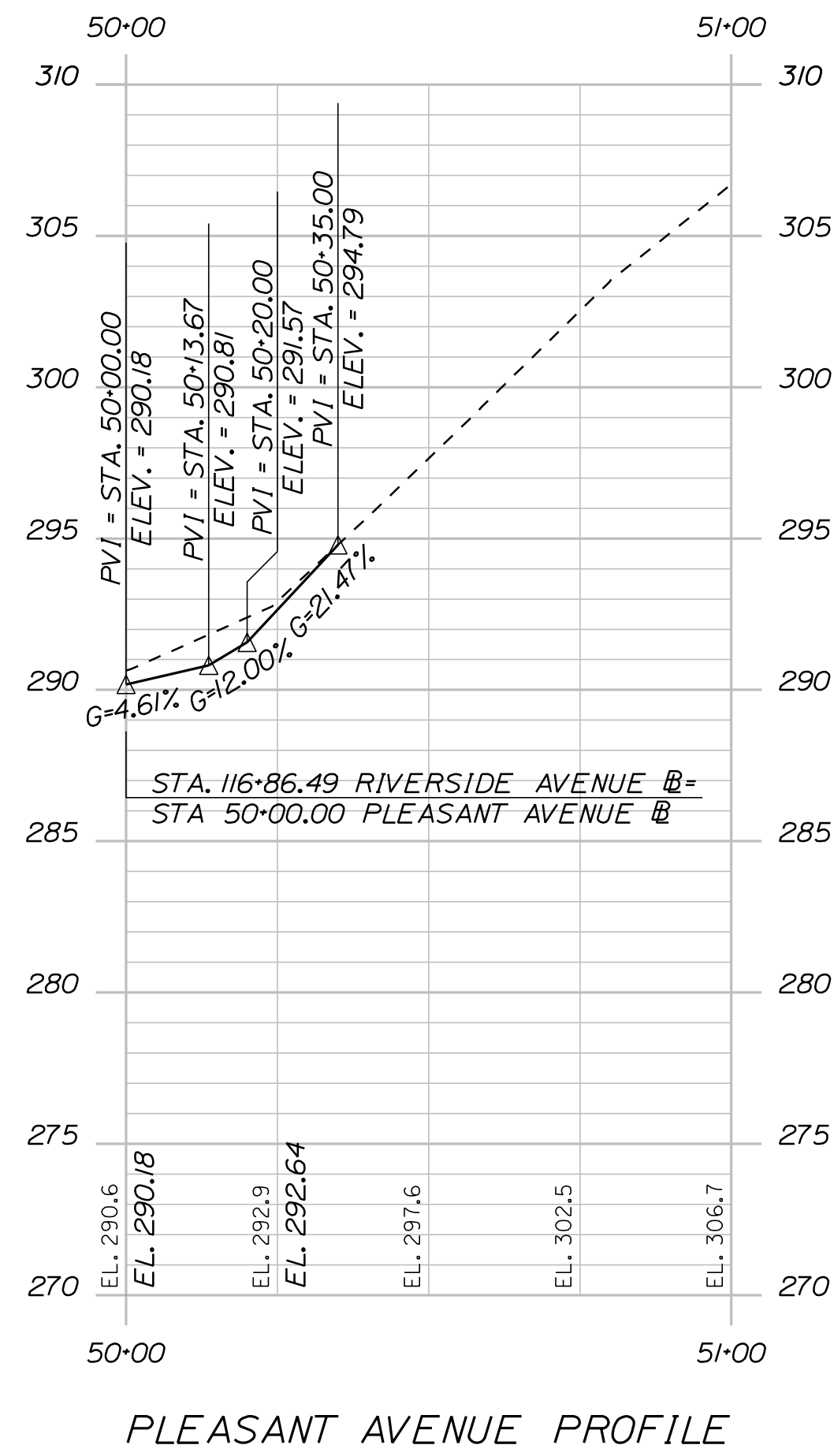
ACORN STREET PROFILE



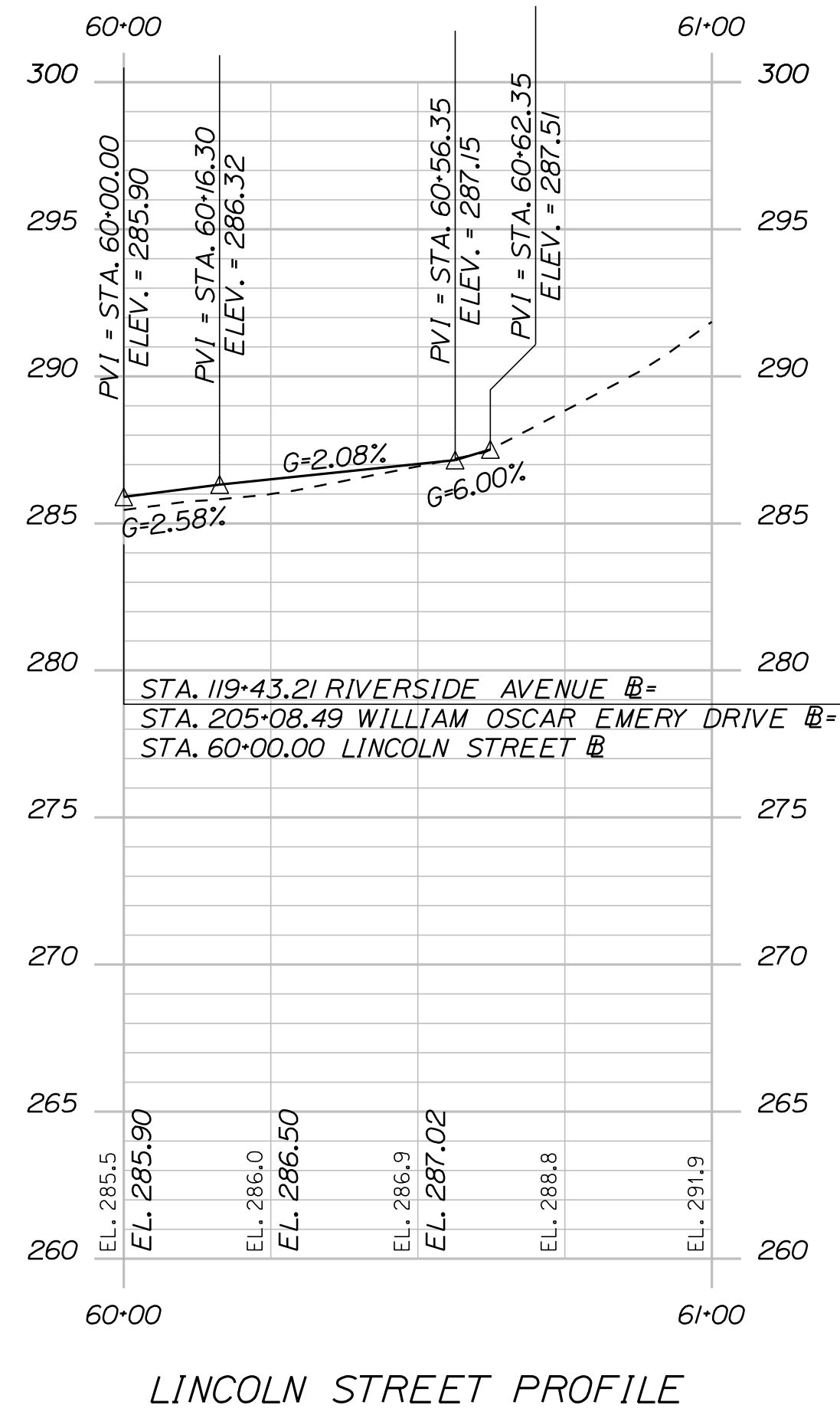
MAPLE STREET SOUTH PROFILE



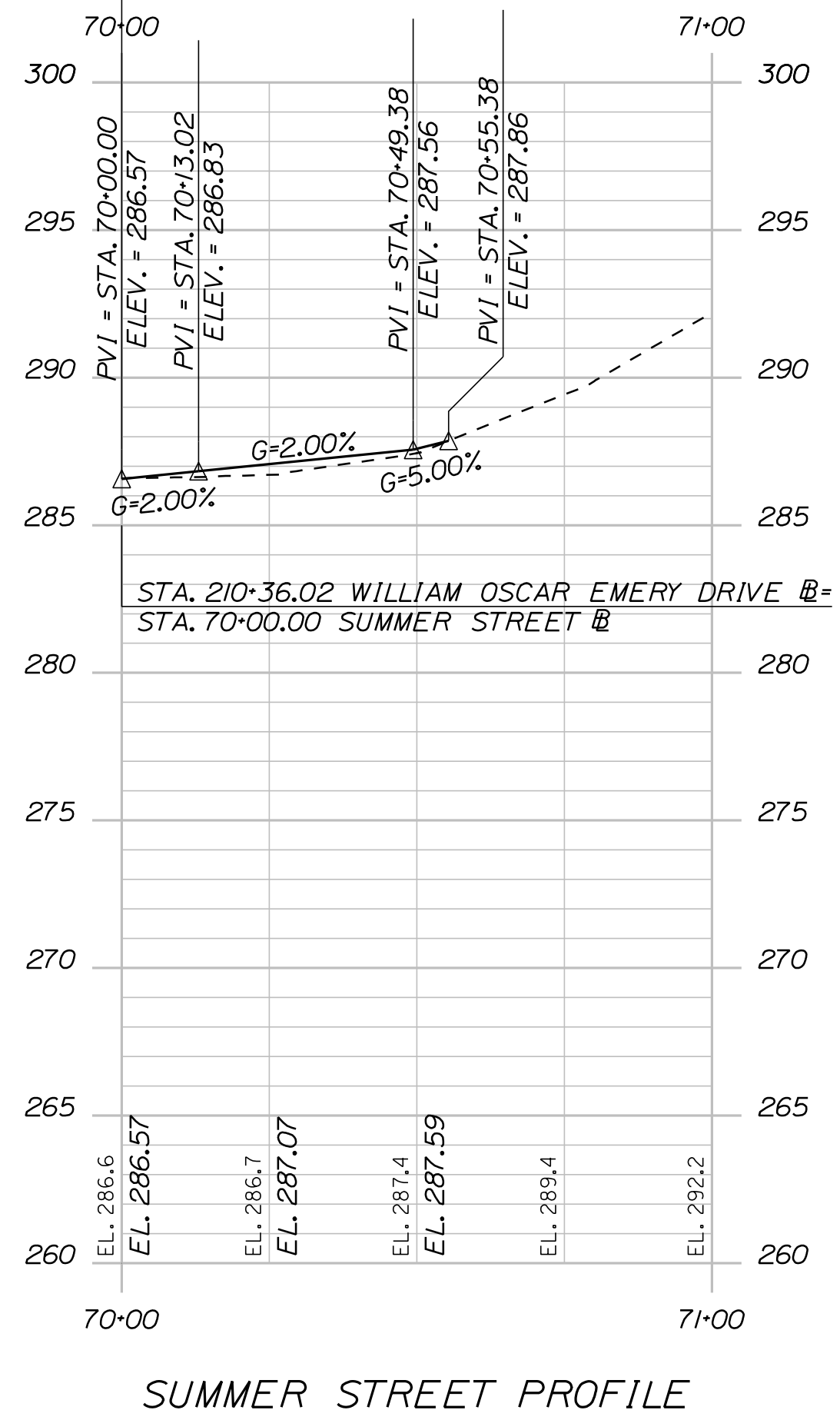
MAPLE STREET NORTH PROFILE



PLEASANT AVENUE PROFILE



LINCOLN STREET PROFILE



SUMMER STREET PROFILE

PROJ. MANAGER		M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNIFF	08/24	
CHECKED-REVIEWED	J. MINCHENBACH	D. ETTINGER	08/24	
DESIGN2-DETAILED2	==			
DESIGN3-DETAILED3	==			
REVISIONS 1	==			
REVISIONS 2	==			
REVISIONS 3	==			
REVISIONS 4	==			
FIELD CHANGES	==			

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SIDE ROAD PROFILES

SHEET NUMBER

28

OF 84

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

CROSS SECTION NOTES:

1. CROSS SECTIONS WILL BE UPDATED TO SHOW 4" HMA ON 18" ASCG (AS NOTED IN THE TYPICAL SECTIONS) PRIOR TO THE DRAFT PSE SUBMITTAL.

CB3 TO CB5
INSTALL 12' X 18" RCP CLASS III

CB3
STA. 101+28.17, 11.88' LT.
INSTALL CB TYPE B5-C
WITH 2' OFFSET CONE
RIM ELEV. = 283.65
INV. IN (18" RCP) = 278.65
INV. IN (12") = 279.25
INV. OUT (18" RCP) = 278.65

18" RCP CLASS IV
CB3 TO MHI
INSTALL 4' X 18" RCP CLASS IV

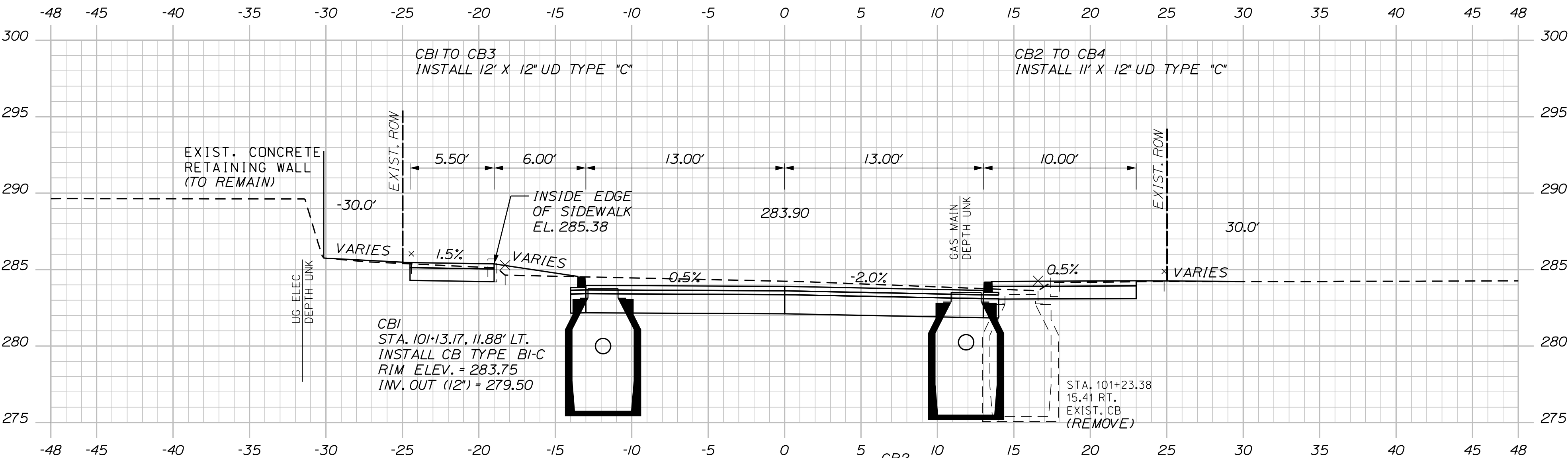
MHI
STA. 101+28.17, 5.40' LT.
INSTALL CB TYPE BI
WITH SOLID COVER
RIM ELEV. = 283.70
INV. IN (12" RCP) = 279.30
INV. IN (18" RCP) = 278.82
INV. OUT (18" RCP) = 278.75

CB4 TO CB6
INSTALL 11' X 12" UD TYPE "C"

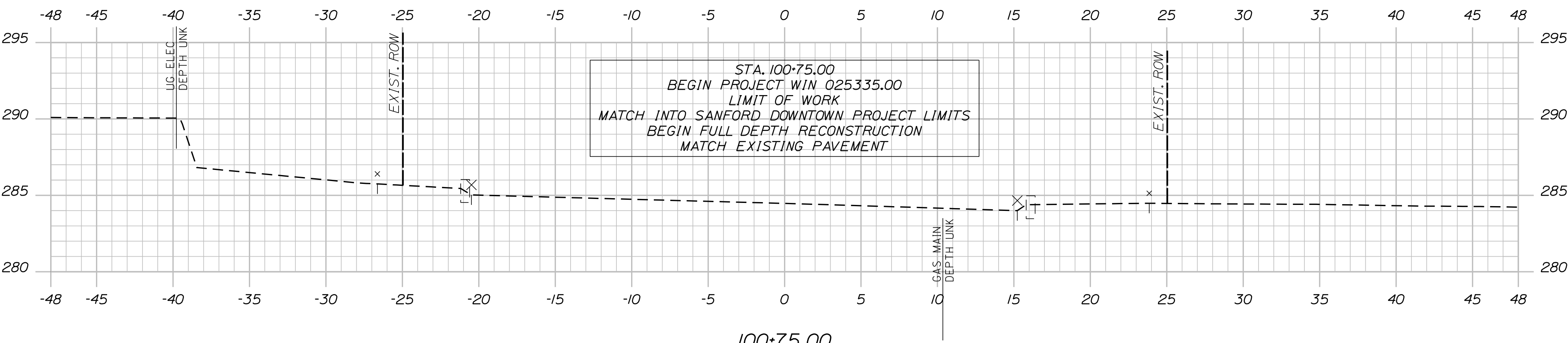
CB4
STA. 101+28.17, 11.88' RT.
INSTALL CB TYPE B5-C
WITH 2' OFFSET CONE
RIM ELEV. = 283.45
INV. IN (12") = 279.60
INV. IN (12") = 279.60
INV. OUT (12" RCP) = 279.60

MHI TO CB4
INSTALL 16' X 12" RCP CLASS IV

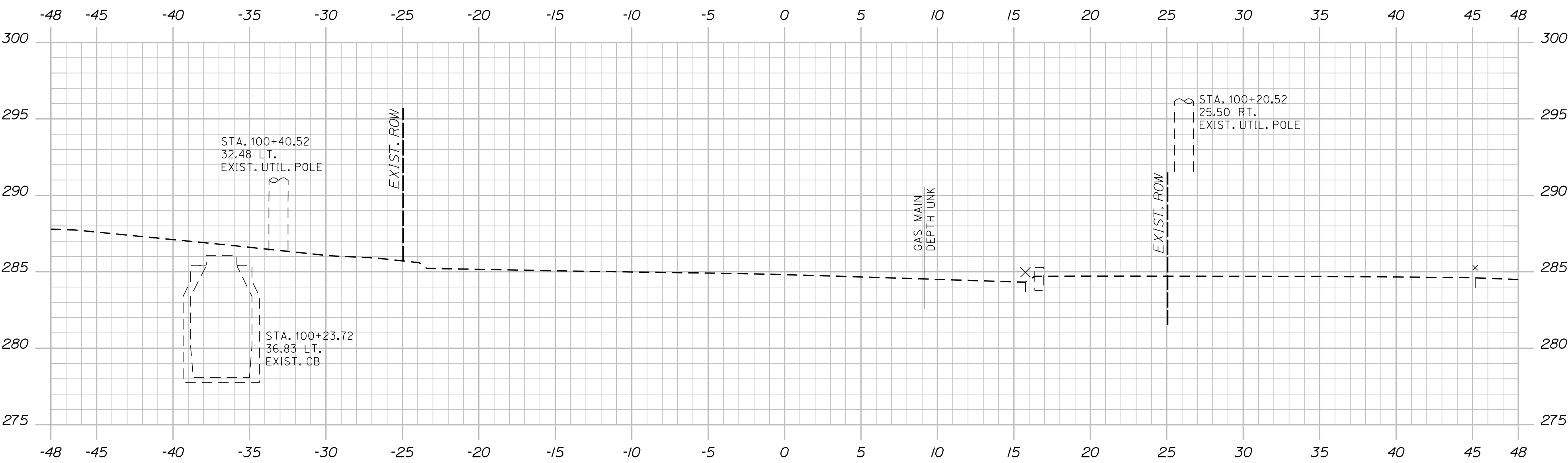
CB2 TO CB4
INSTALL 11' X 12" UD TYPE "C"



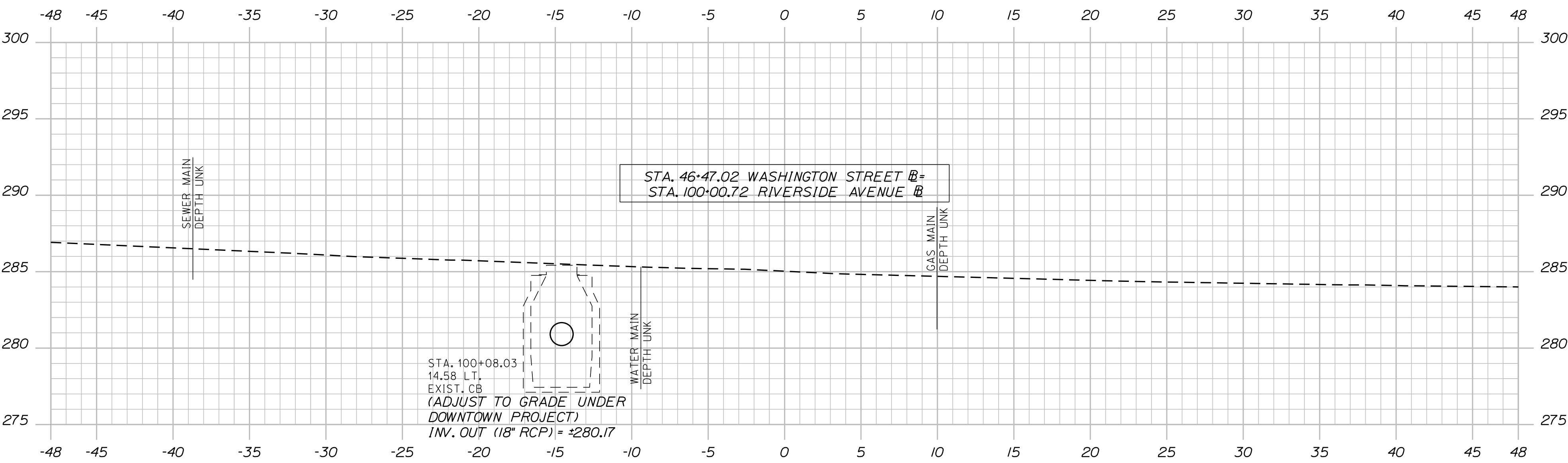
101+00.00



100+75.00



100+50.00



100+00.00

Sta. 100+00.00 to Sta. 101+00.00

OF 84

29

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

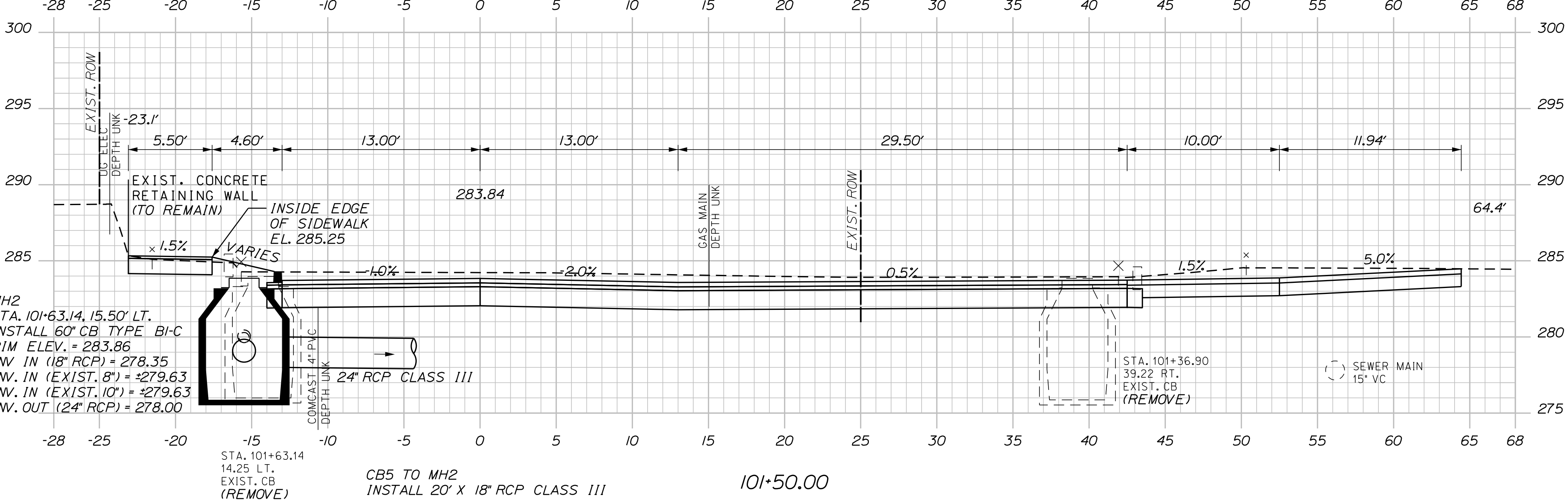
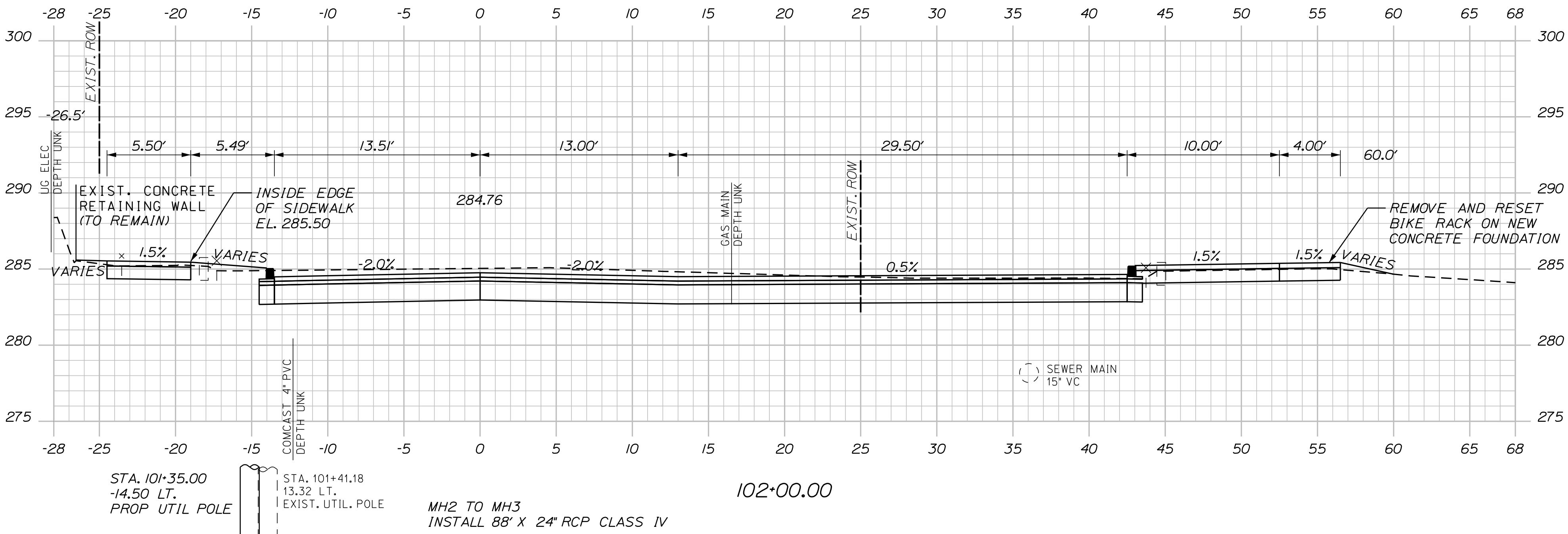
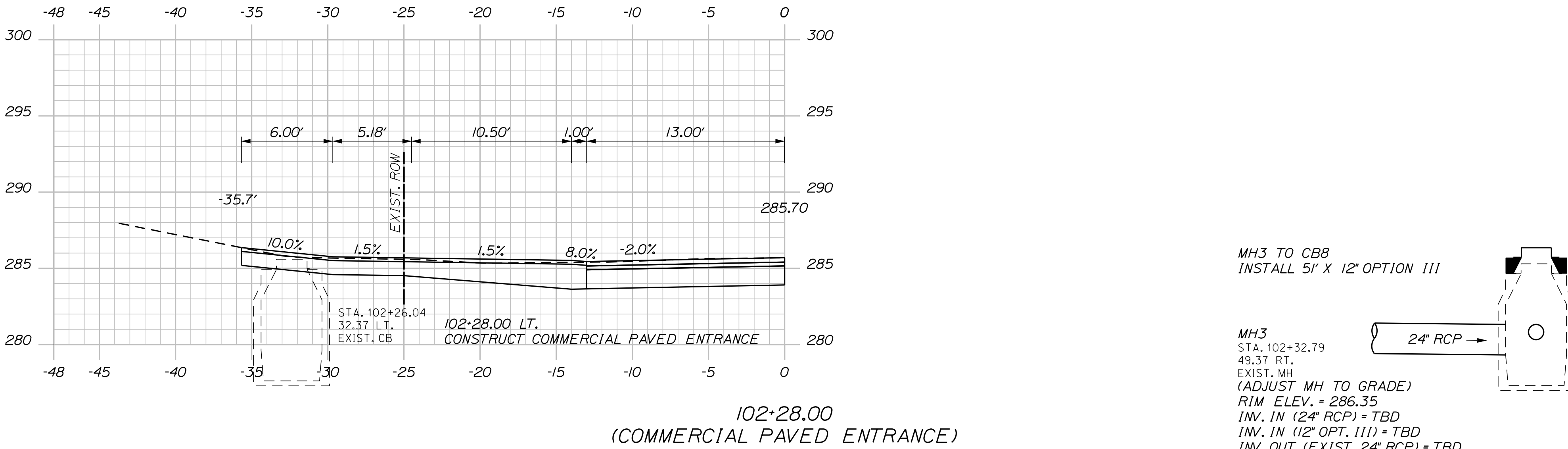
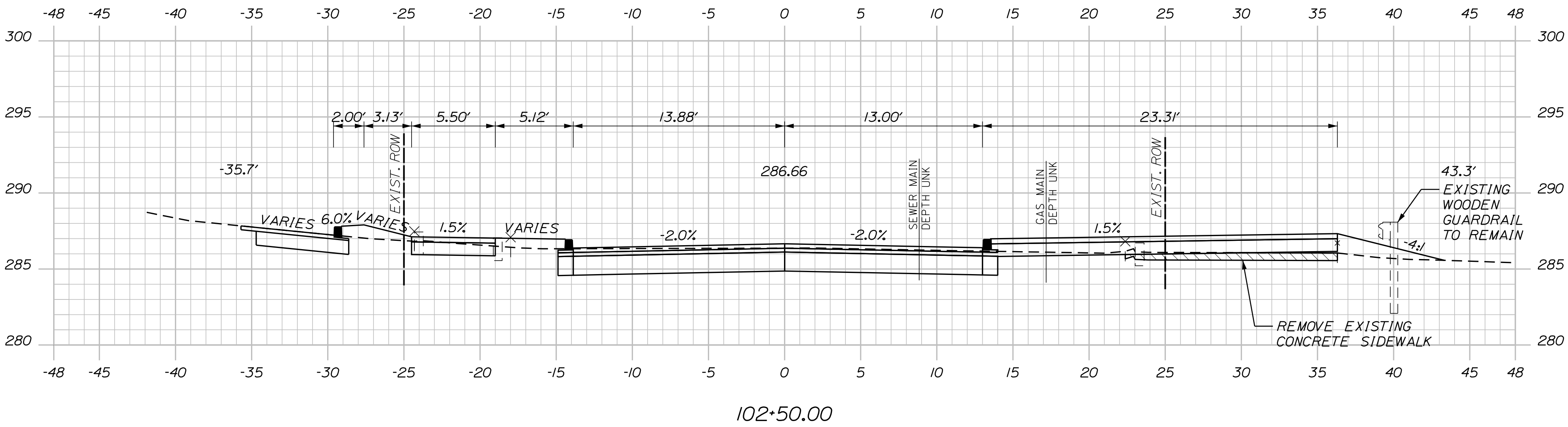
P.E. NUMBER

DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

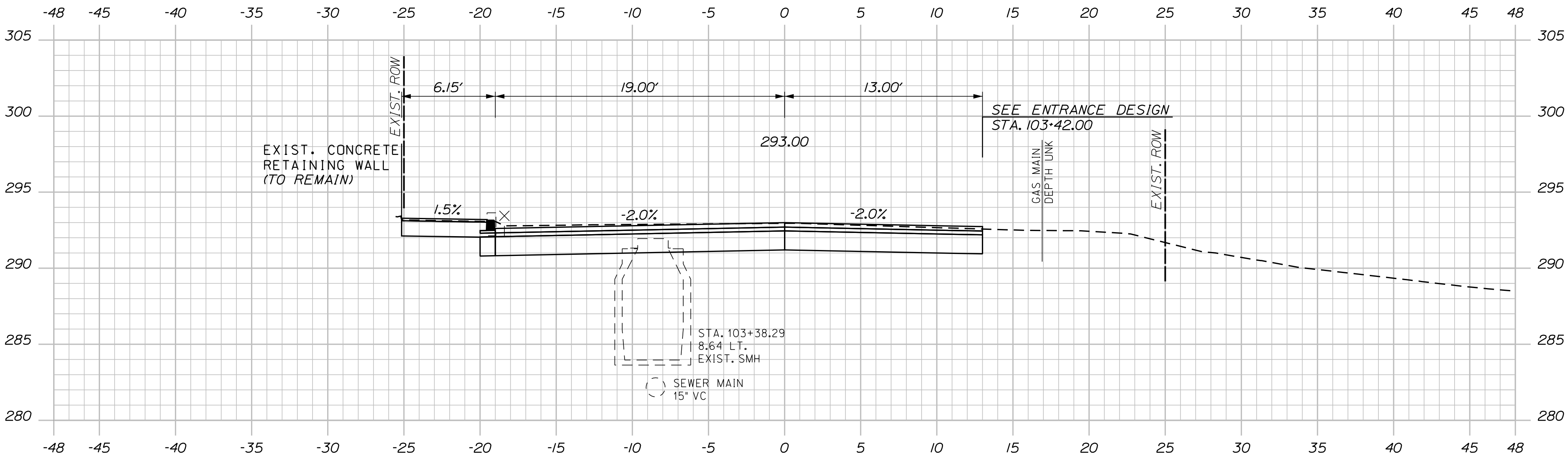
WIN
025335.00

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

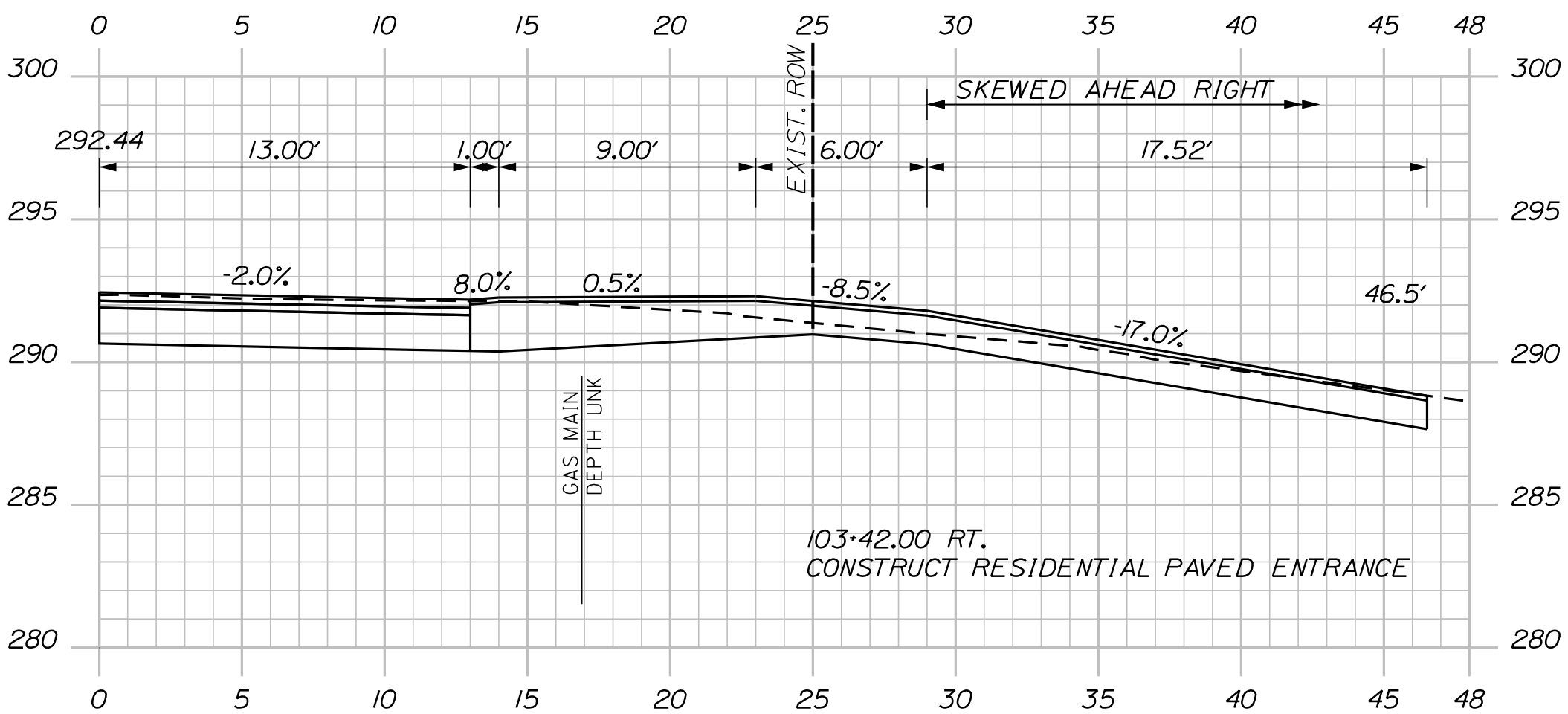


Sta. 101+50.00 to Sta. 102+50.00

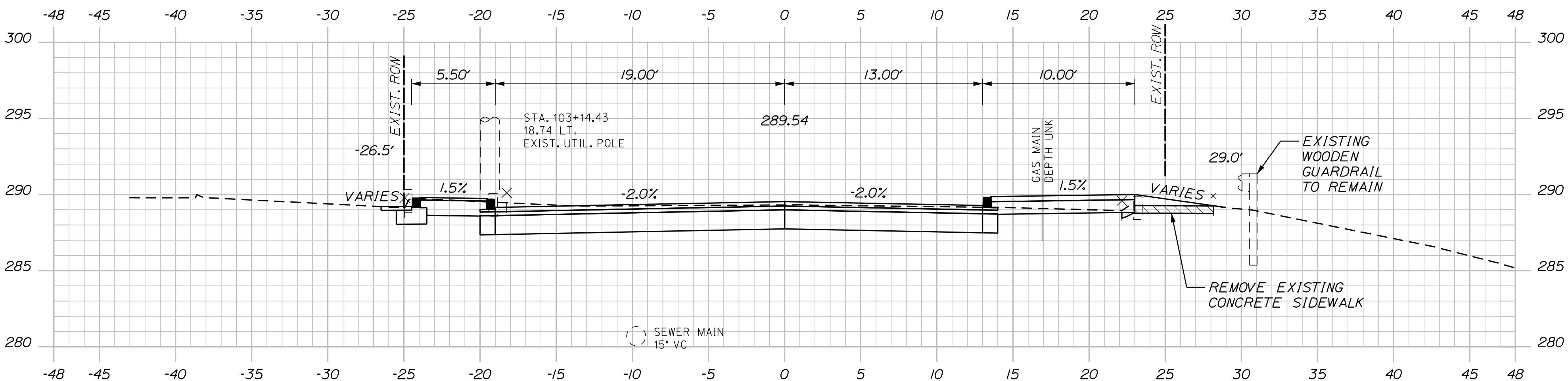
U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



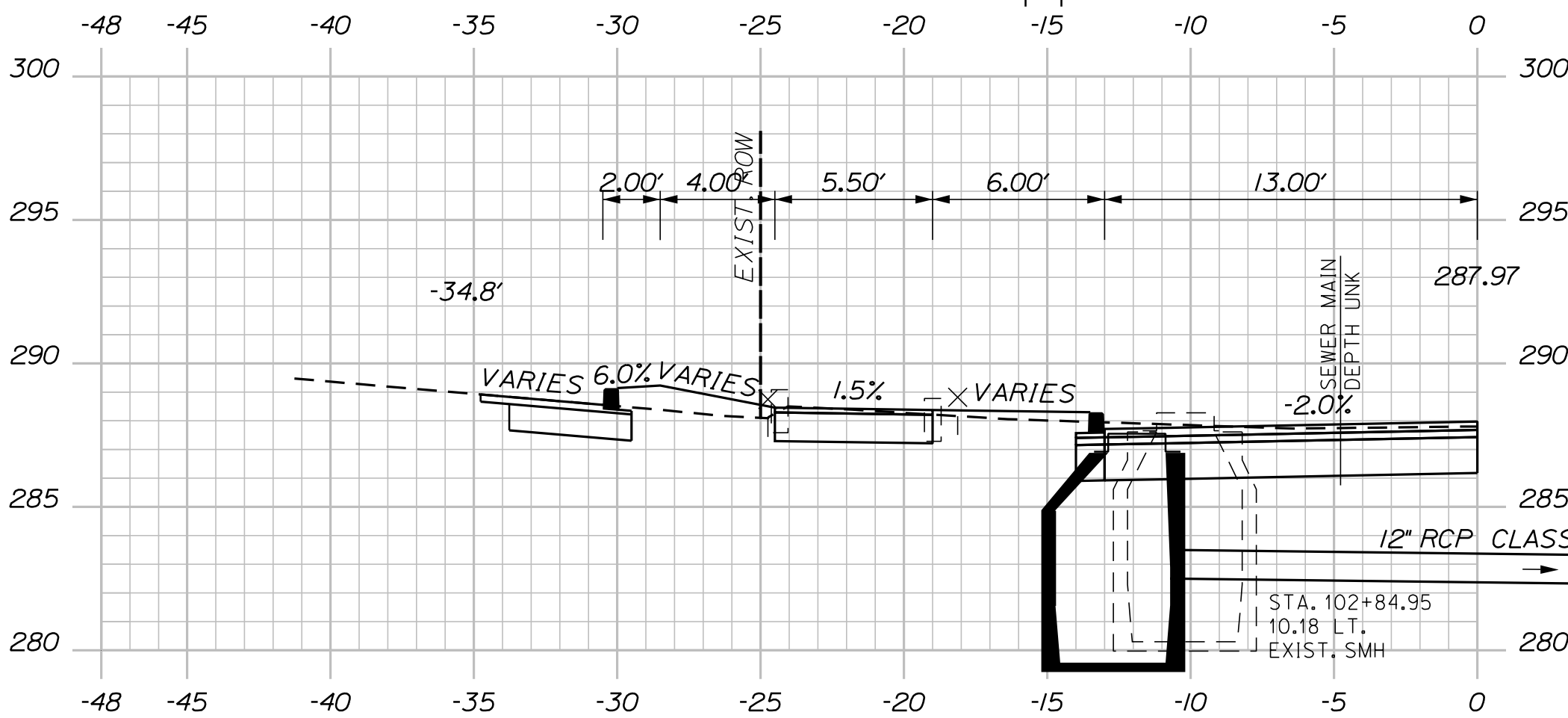
103+50.00



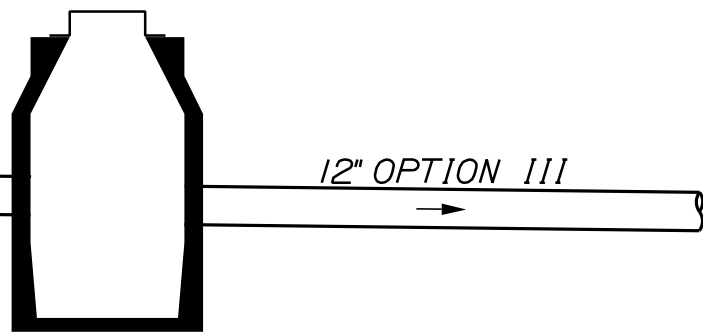
103+42.00
(RESIDENTIAL PAVED ENTRANCE)



103+00.00



102+75.00



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

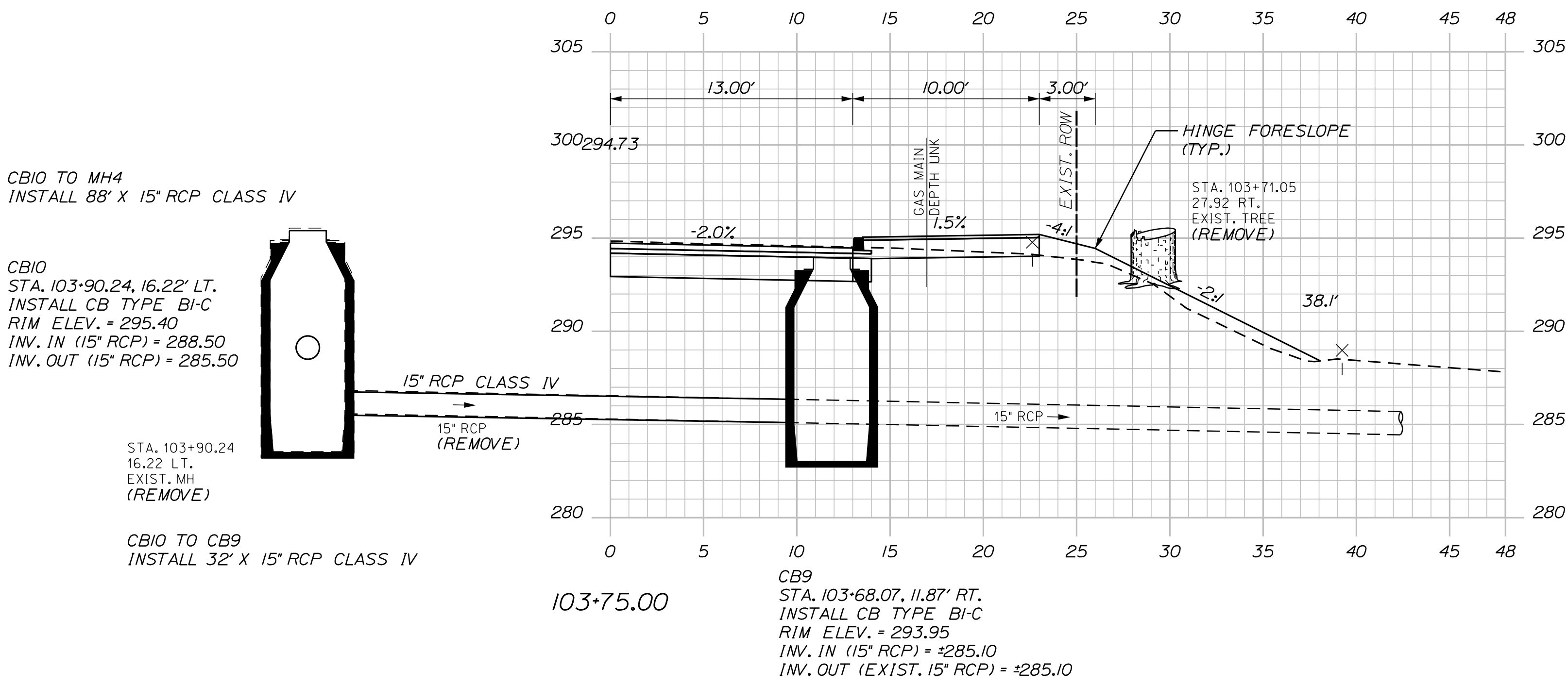
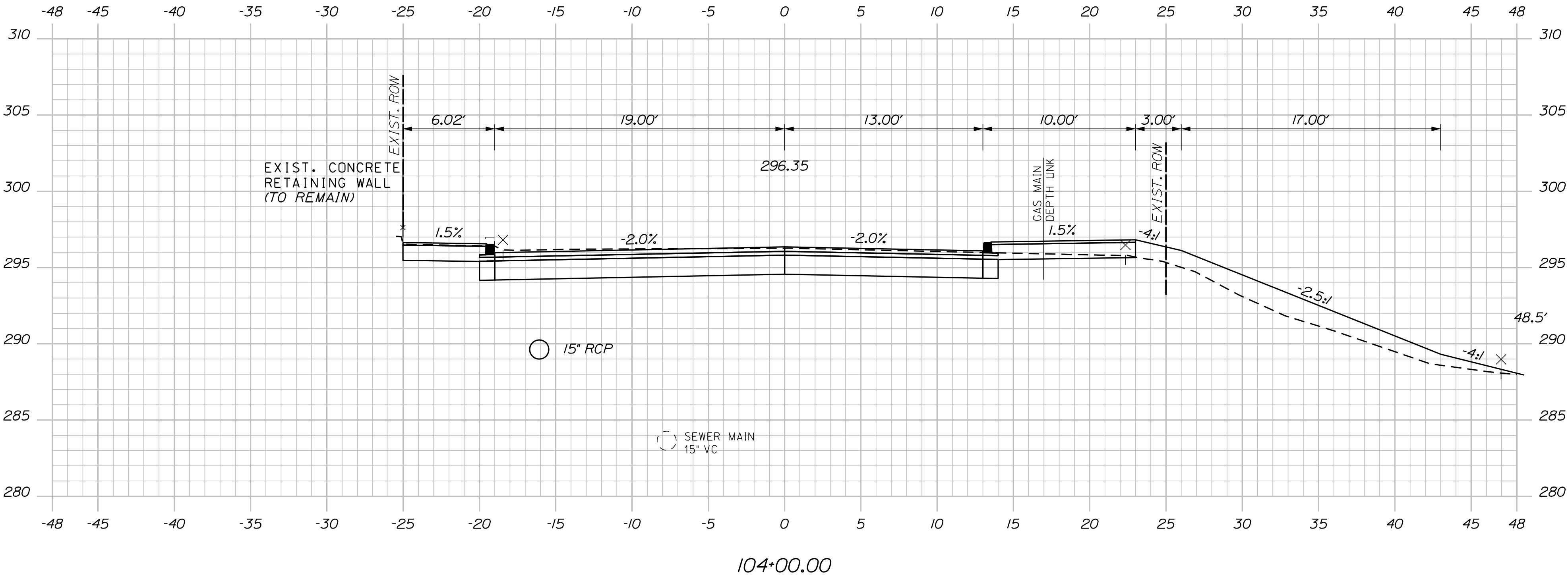
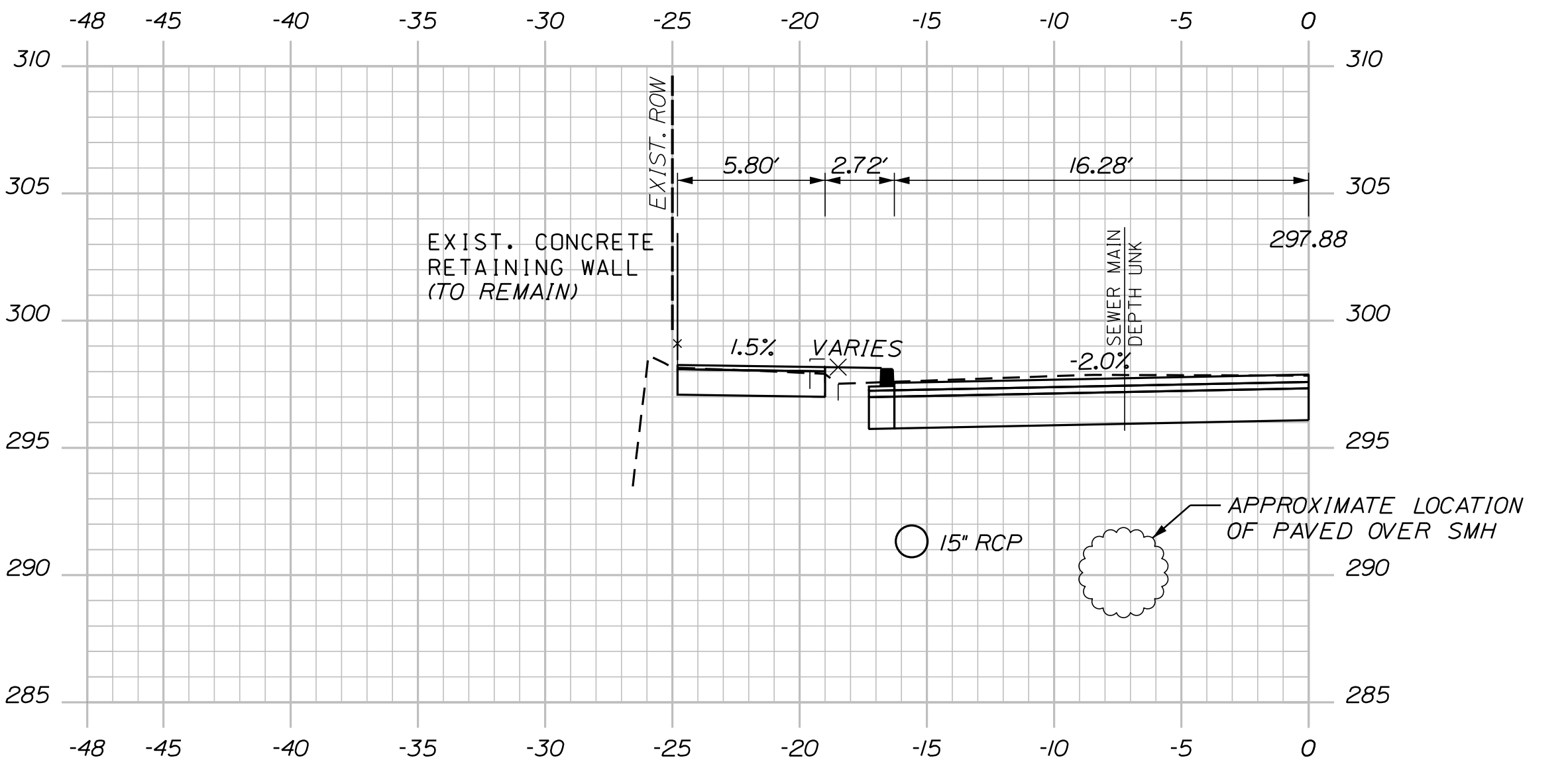
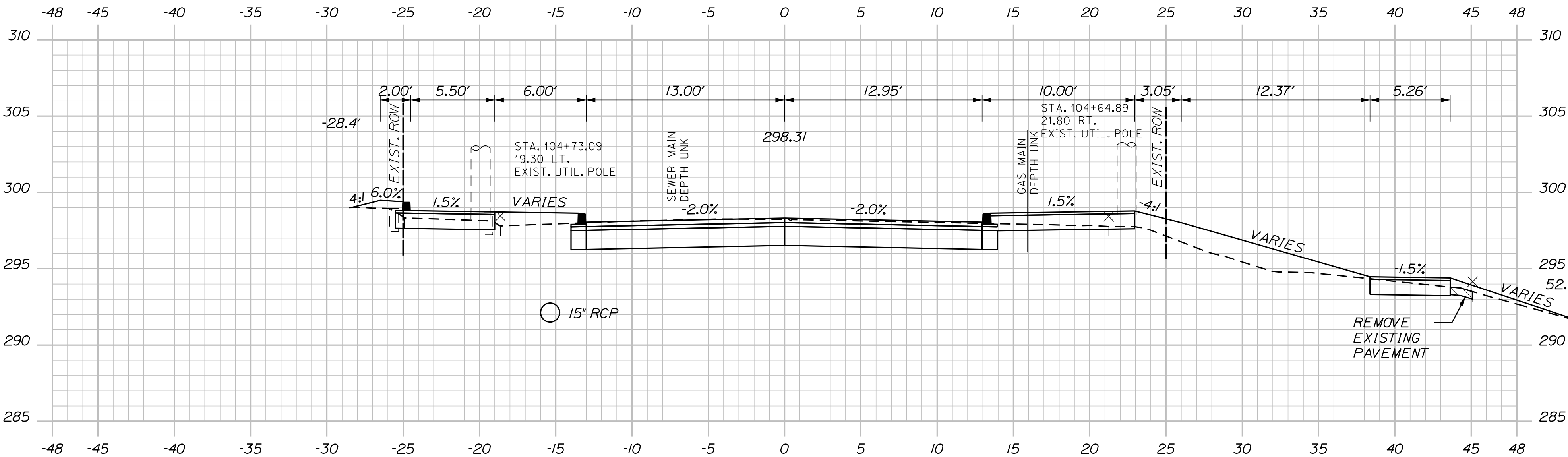
CB7
STA. 102+72.44, 11.87' LT.
INSTALL CB TYPE B5-C
WITH 2' OFFSET CONE
RIM ELEV. = 287.55
INV. OUT (12" RCP) = 282.50

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

Sta. 102+75.00 to Sta. 103+50.00

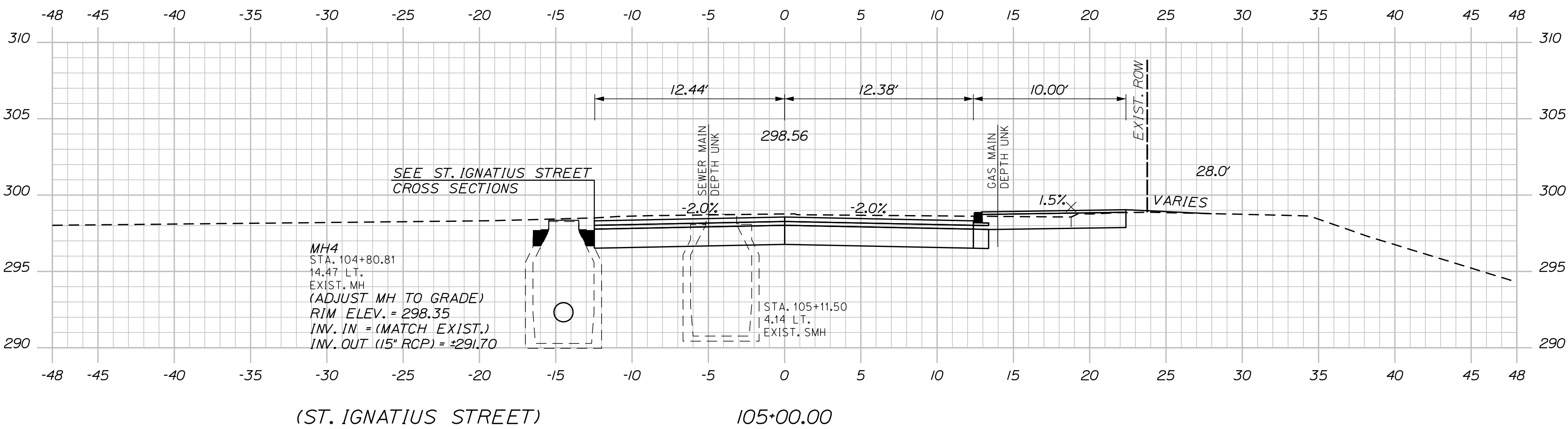
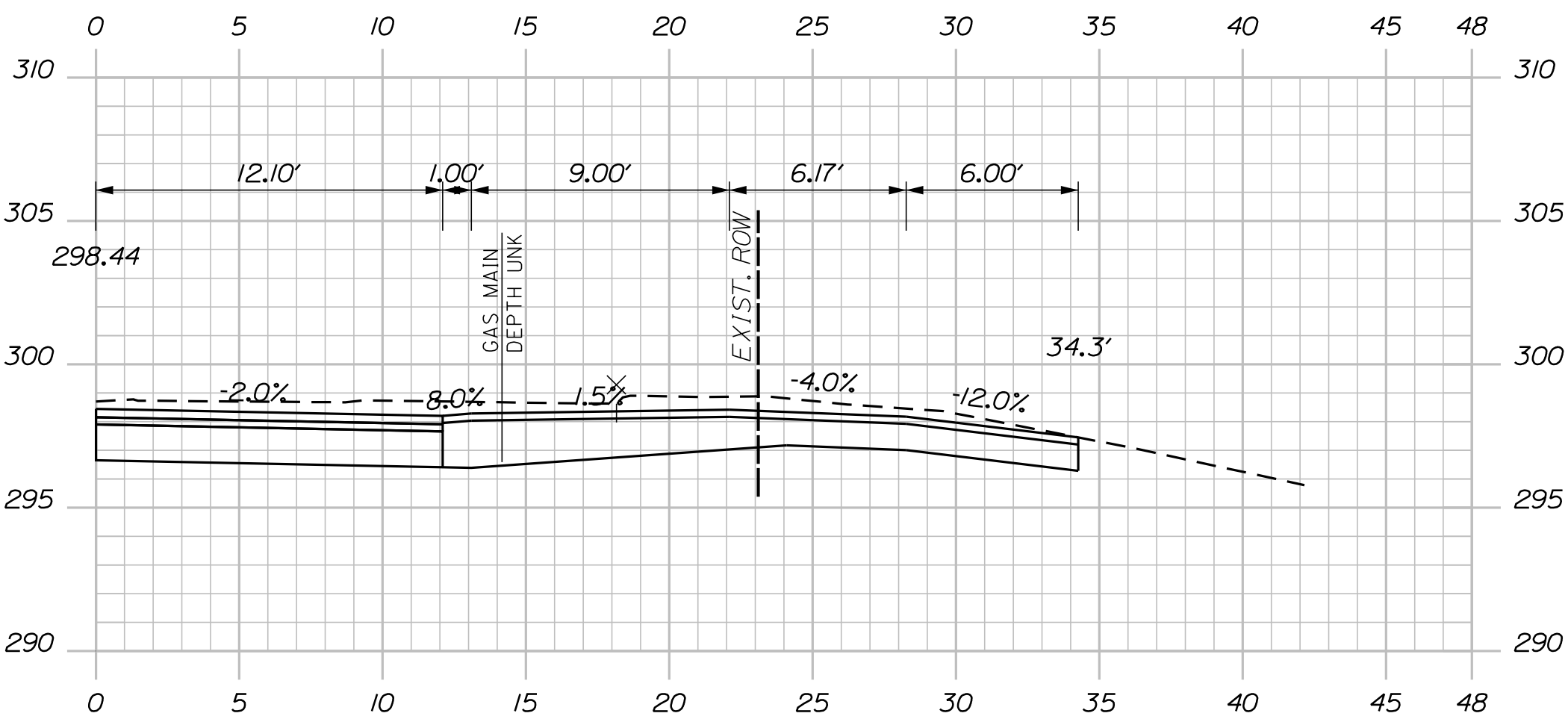
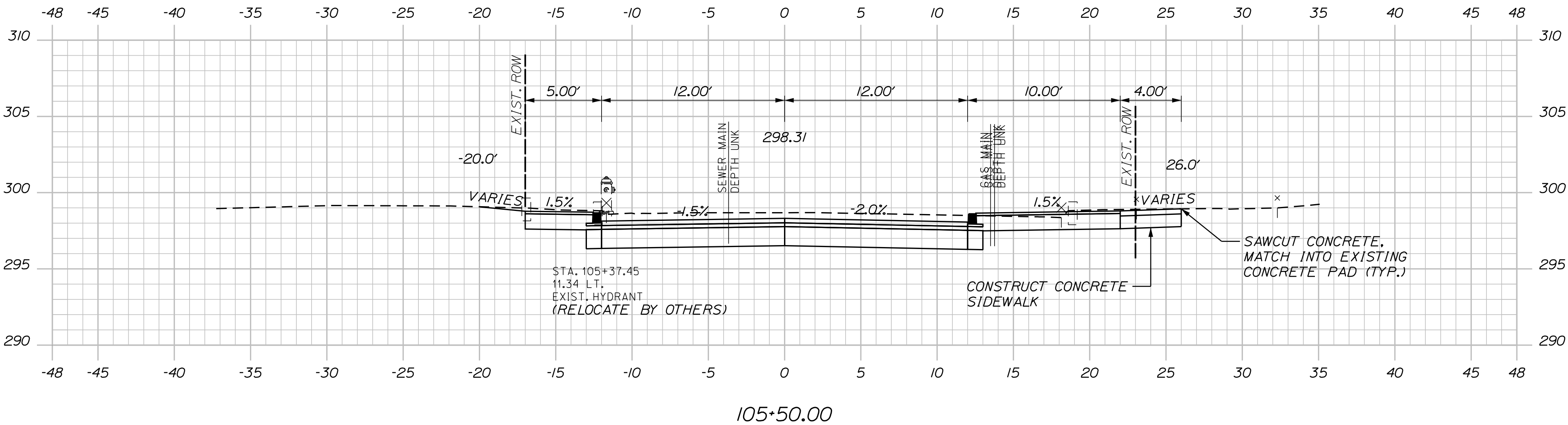
31 OF 84	SHEET NUMBER	SANFORD		PROJ. MANAGER		M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
		RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE		DESIGN-DETAILED		T. WARREN	M.CUNDIFF	08\24	
				CHECKED-REVIEWED		J.WINCHEBACH	D. ETTINGER	08\24	
				DESIGN2-DETAILED2		-	-	-	
		CROSS SECTIONS		DESIGN3-DETAILED3		-	-	-	SIGNATURE
				REVISIONS 1		-	-	-	
				REVISIONS 2		-	-	-	DATE
				REVISIONS 3		-	-	-	
				REVISIONS 4		-	-	-	
				FIELD CHANGES		-	-	-	

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

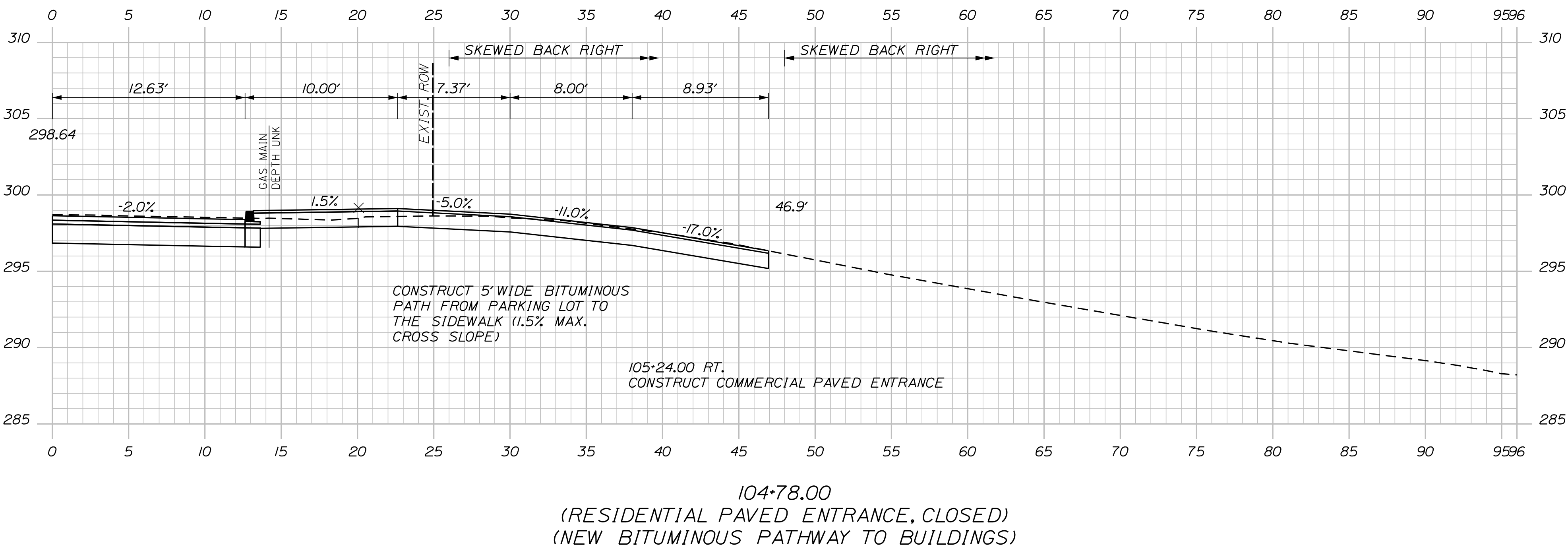


Sta. 103+75.00 to Sta. 104+50.00

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



STA. 105+00.66 RIVERSIDE AVENUE  =
STA. 10+00.00 ST. IGNATIUS STREET 



Sta. 104+78.00 to Sta. 105+50.00

OF 84

33

SHEET NUMBER

SANFORD

RIVERSIDE AVENUE AND

WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24	
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24	
DESIGN2-DETAILED2	-	-	-	
DESIGN3-DETAILED3	-	-	-	
REVISIONS 1	-	-	-	P.E. NUMBER
REVISIONS 2	-	-	-	DATE
REVISIONS 3	-	-	-	
REVISIONS 4	-	-	-	
FIELD CHANGES	-	-	-	

CITY OF SANFORD

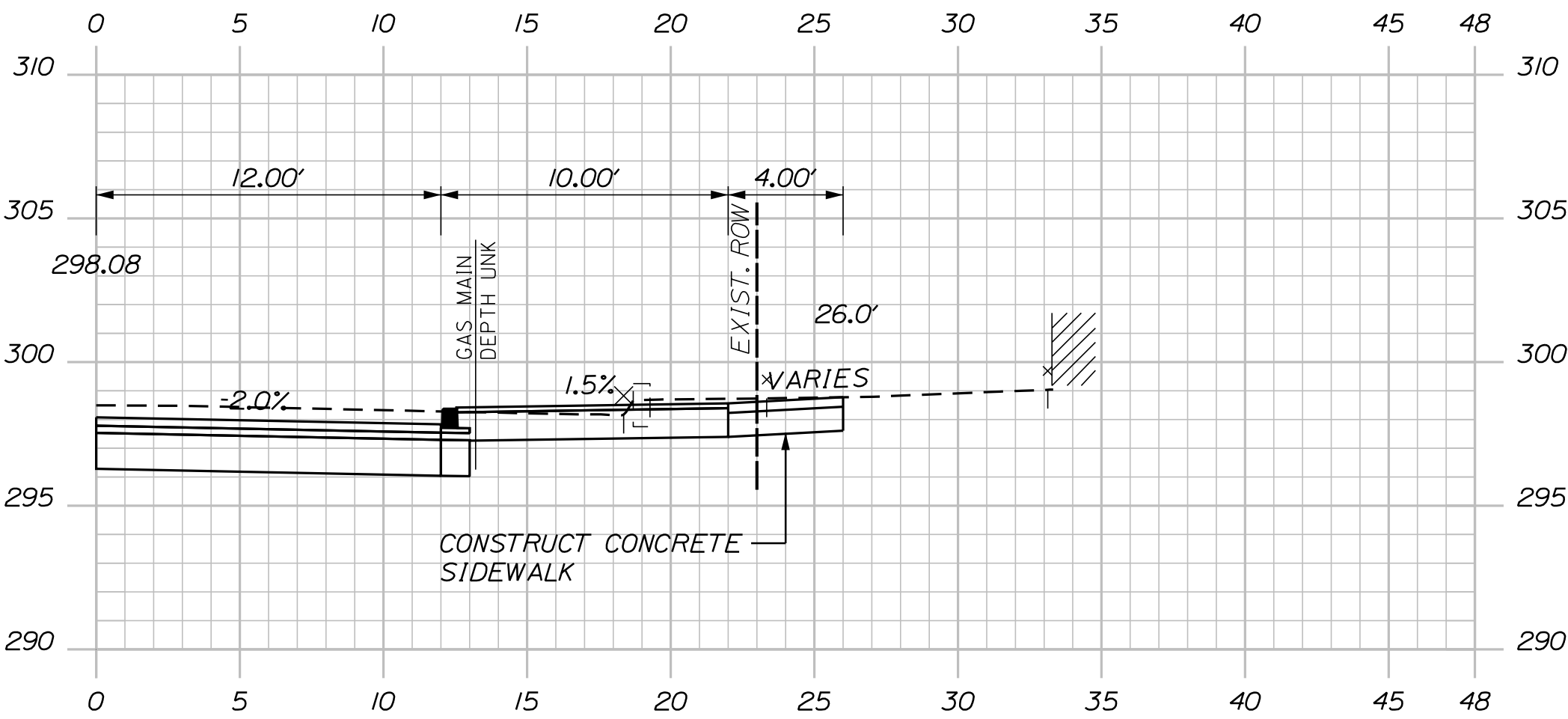
919 MAIN STREET

SANFORD, MAINE 04073

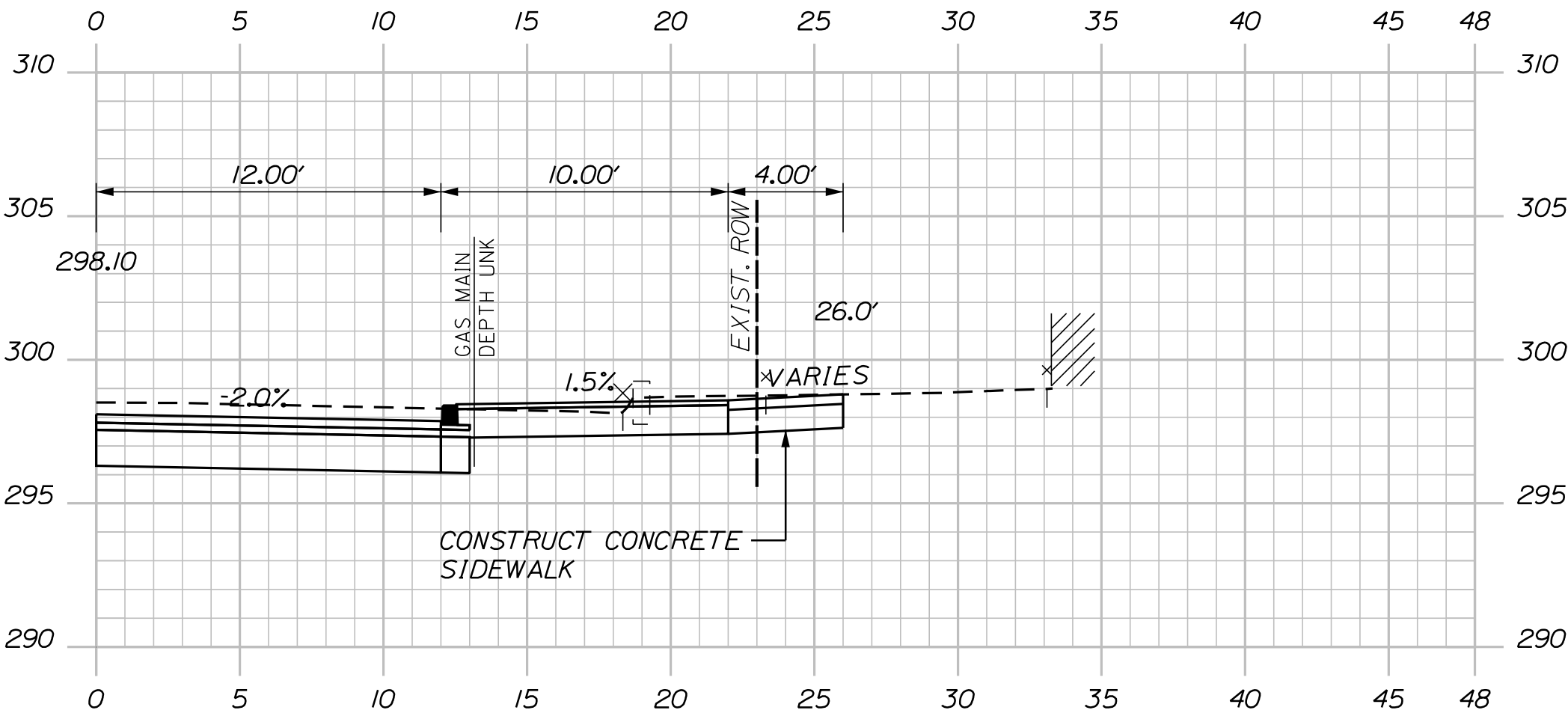
WIN

025335.00

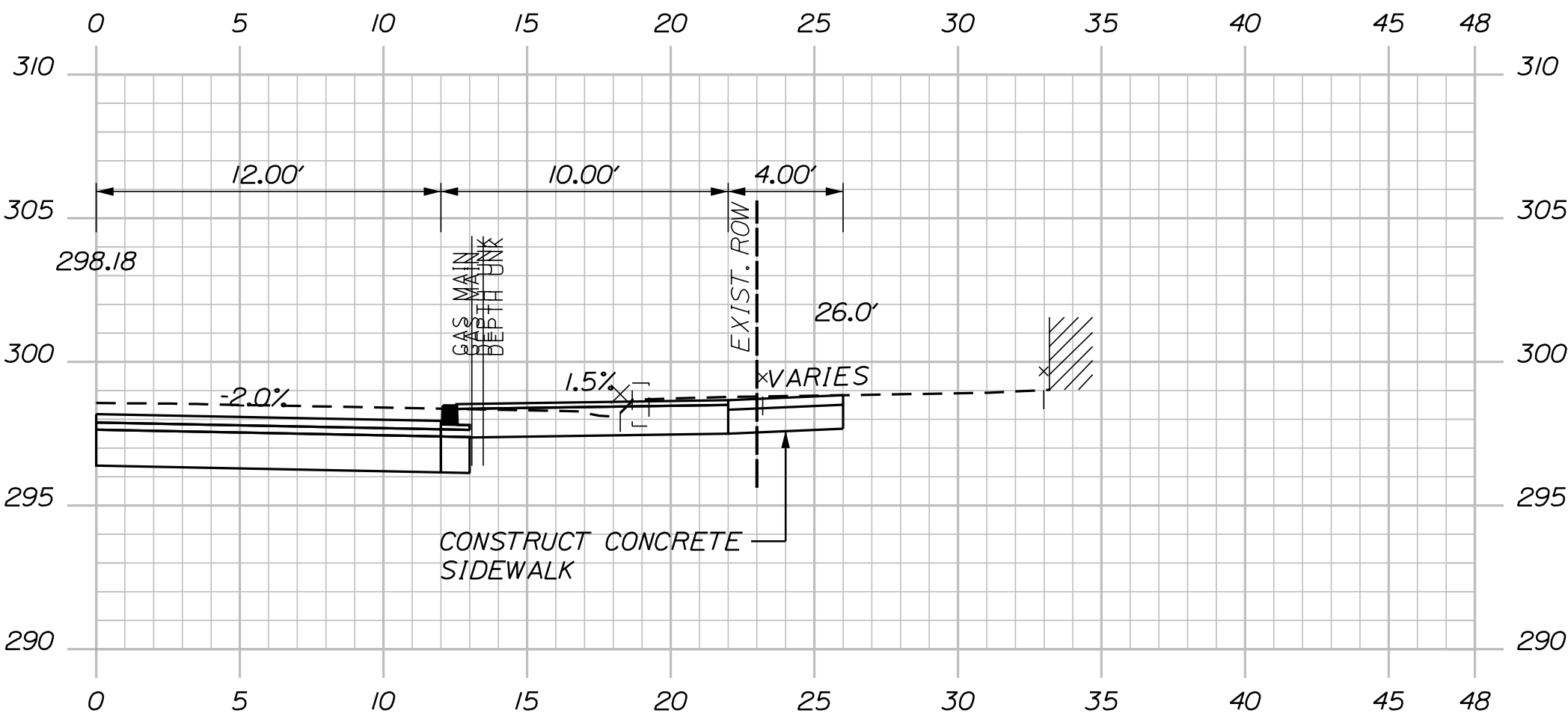
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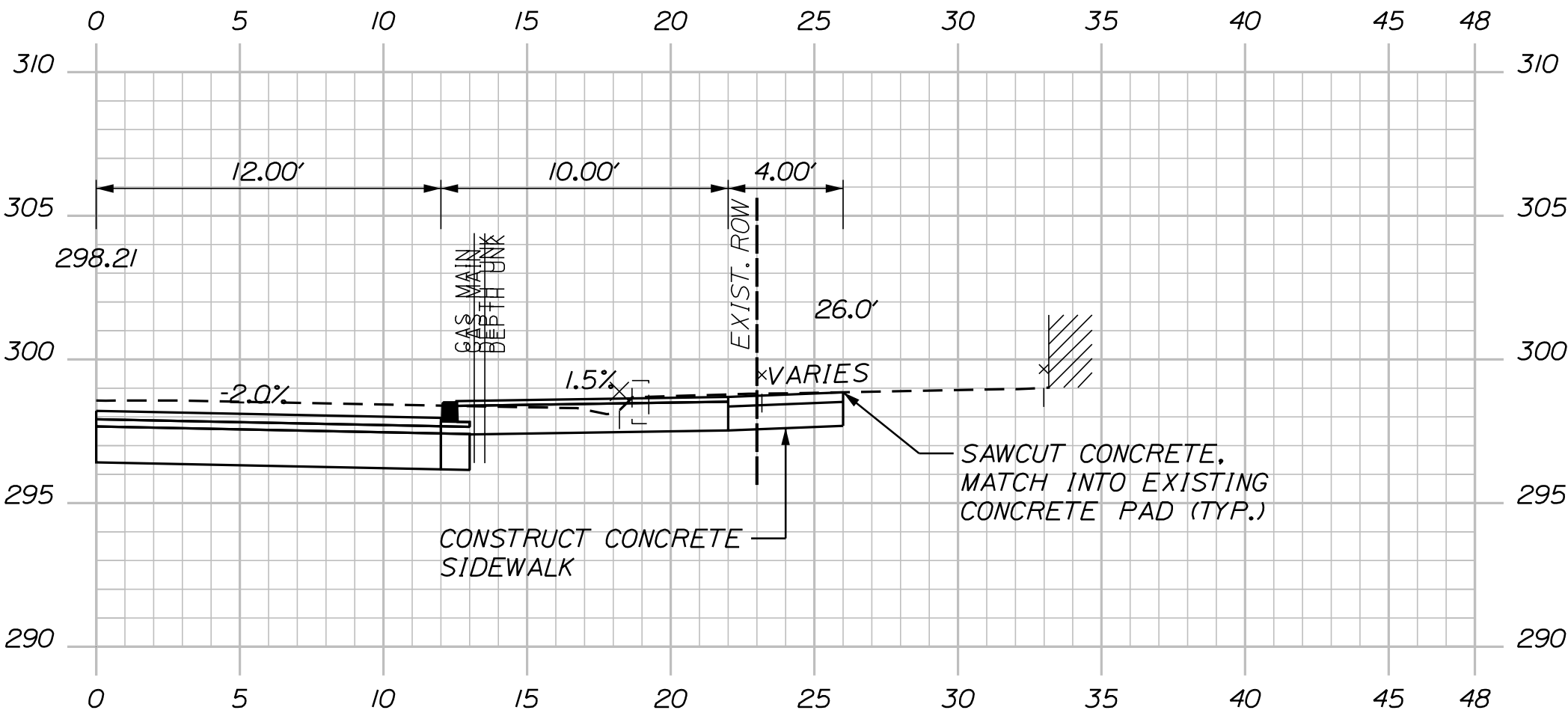
105+97.00
(DOOR)



105+92.00
(DOOR)



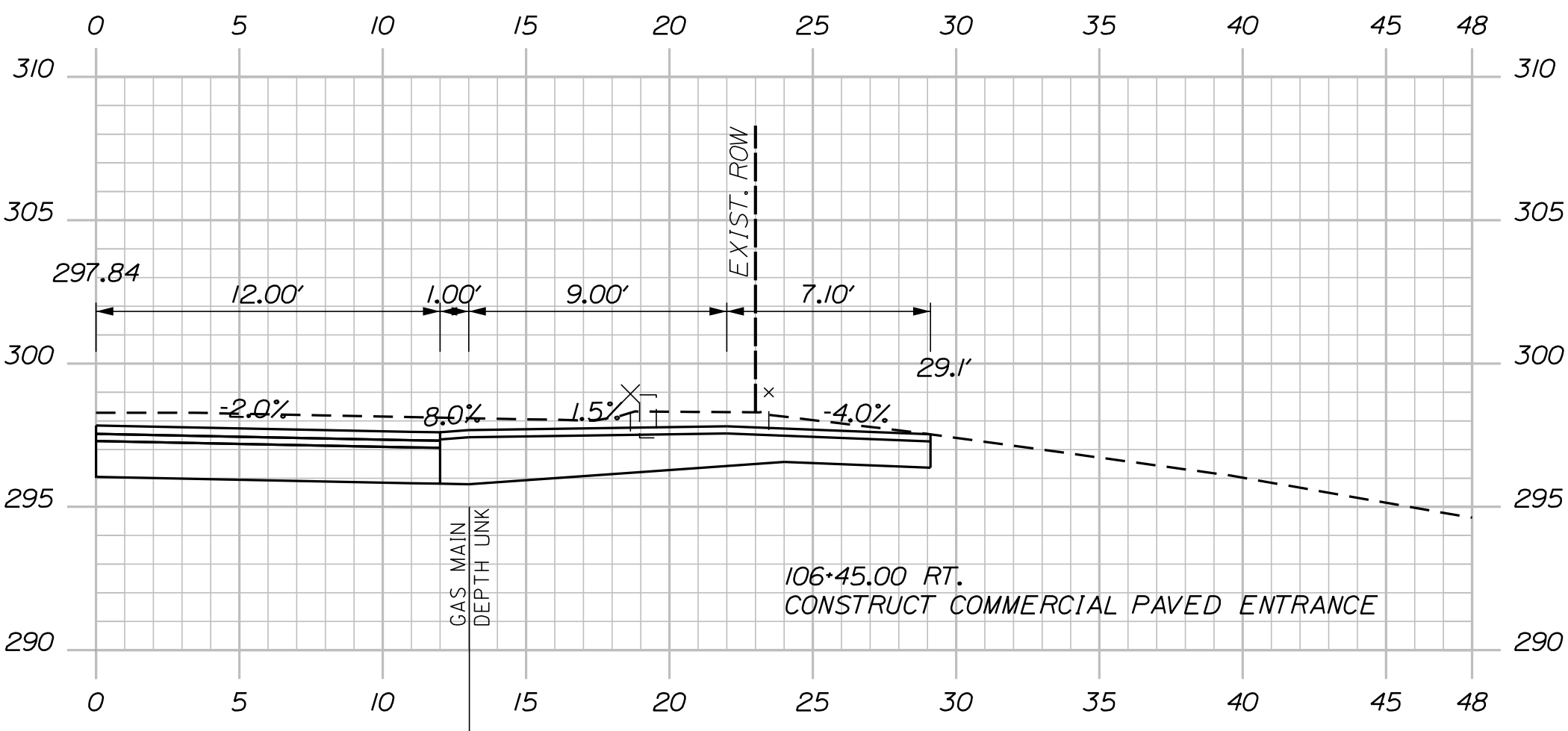
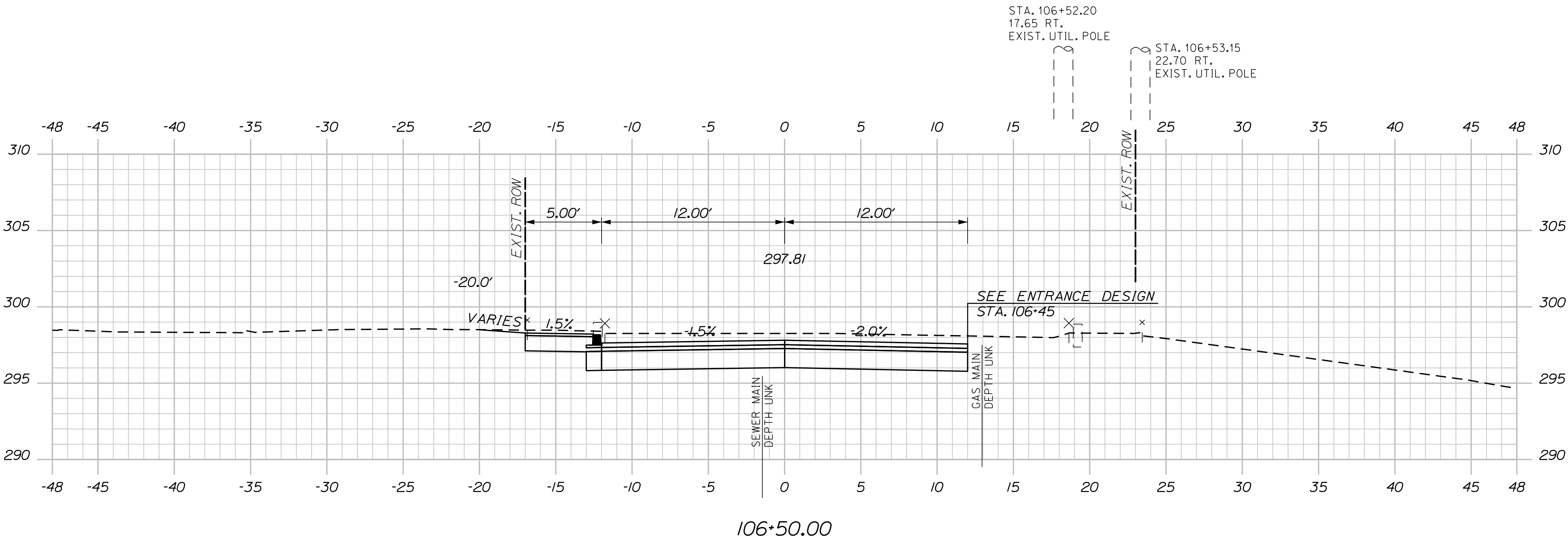
105+76.00
(DOOR)



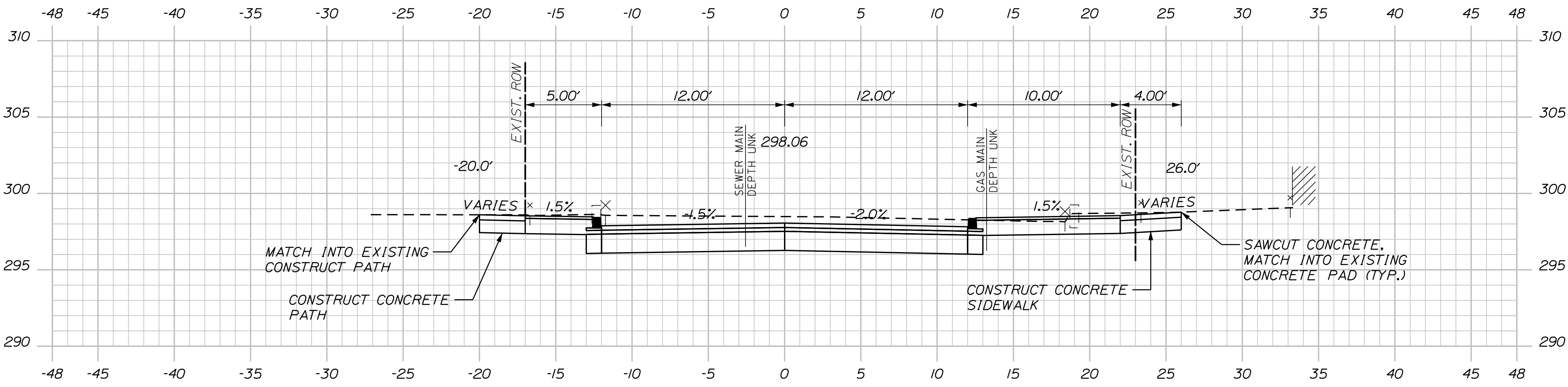
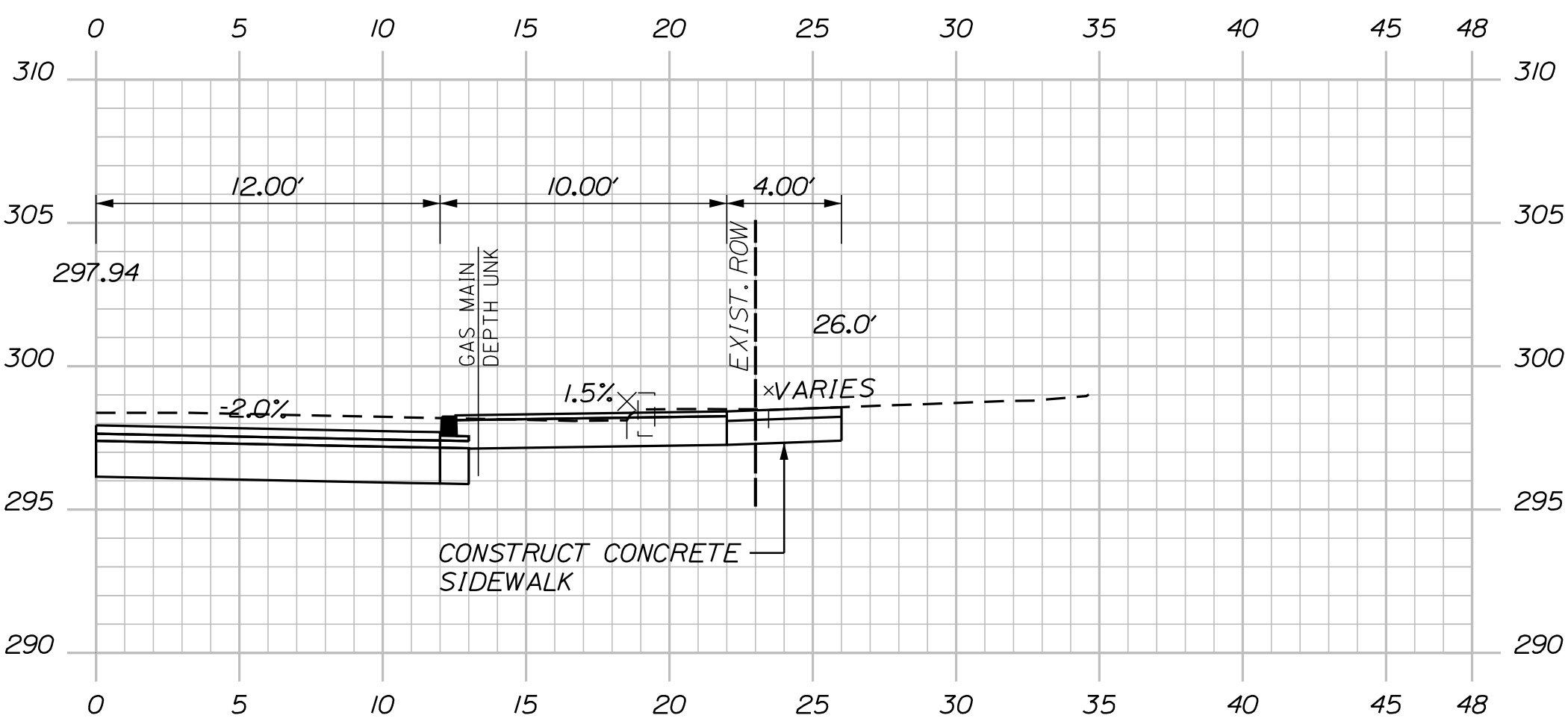
105+71.00

Sta. 105+71.00 to Sta. 105+97.00

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



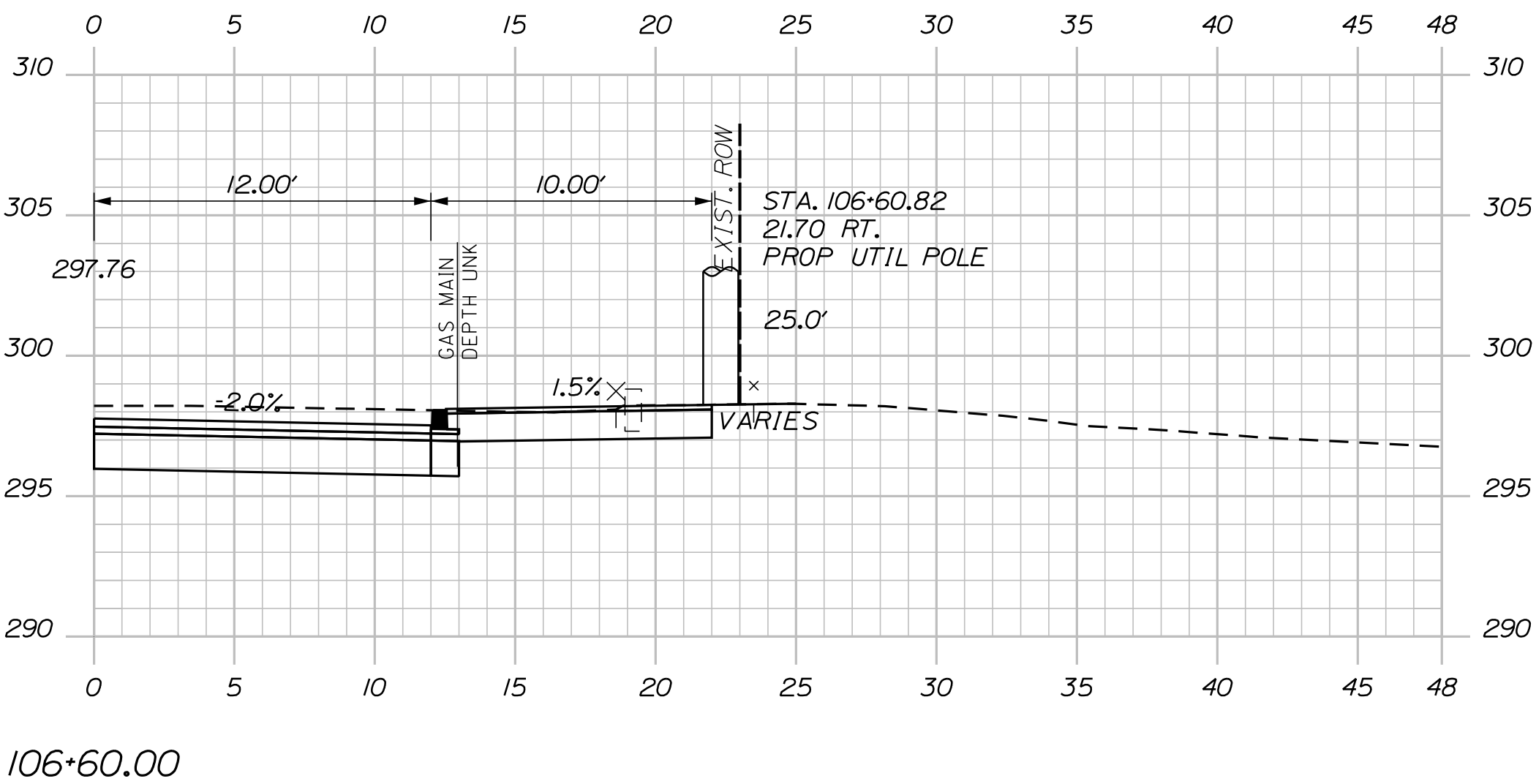
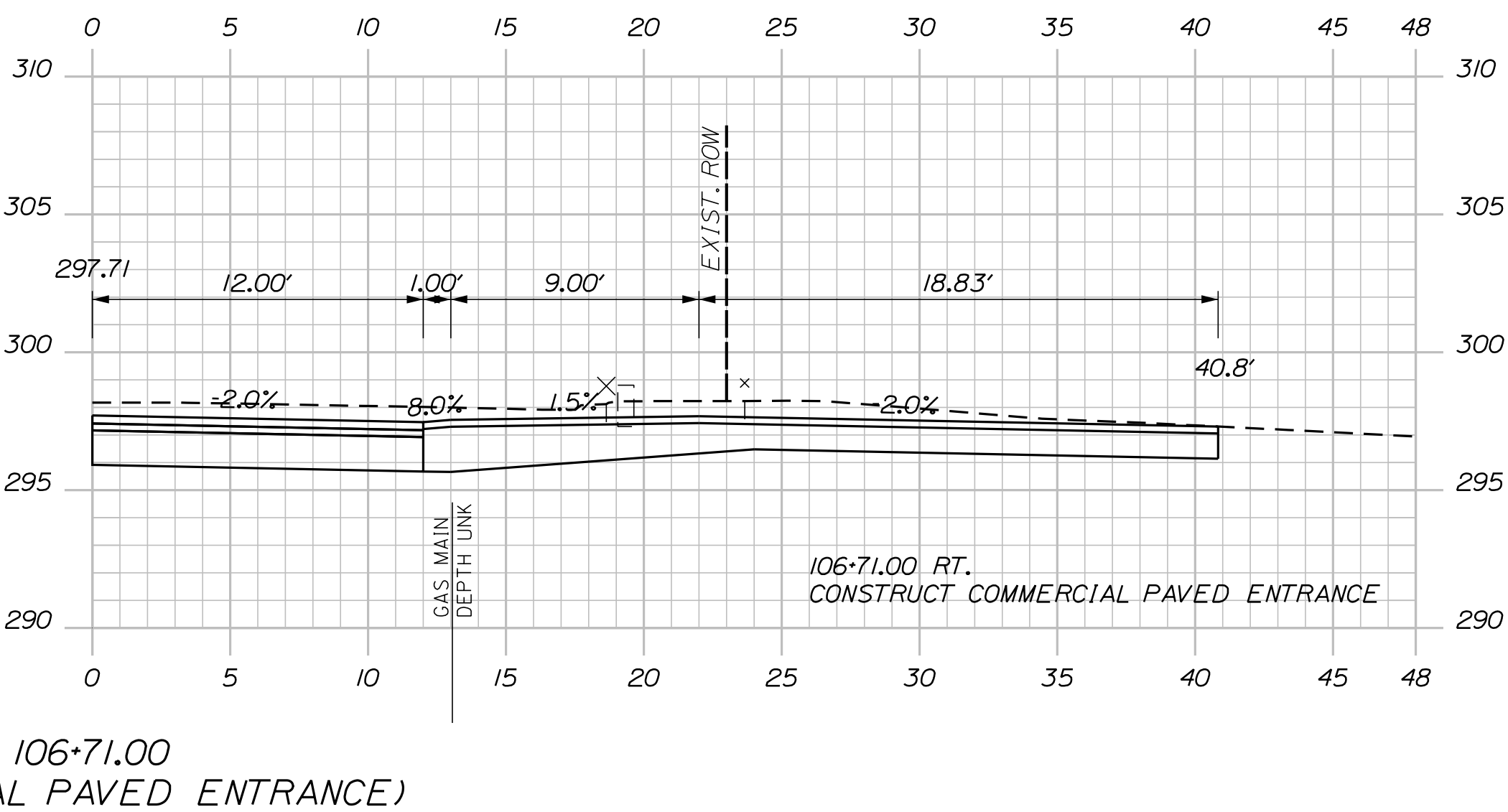
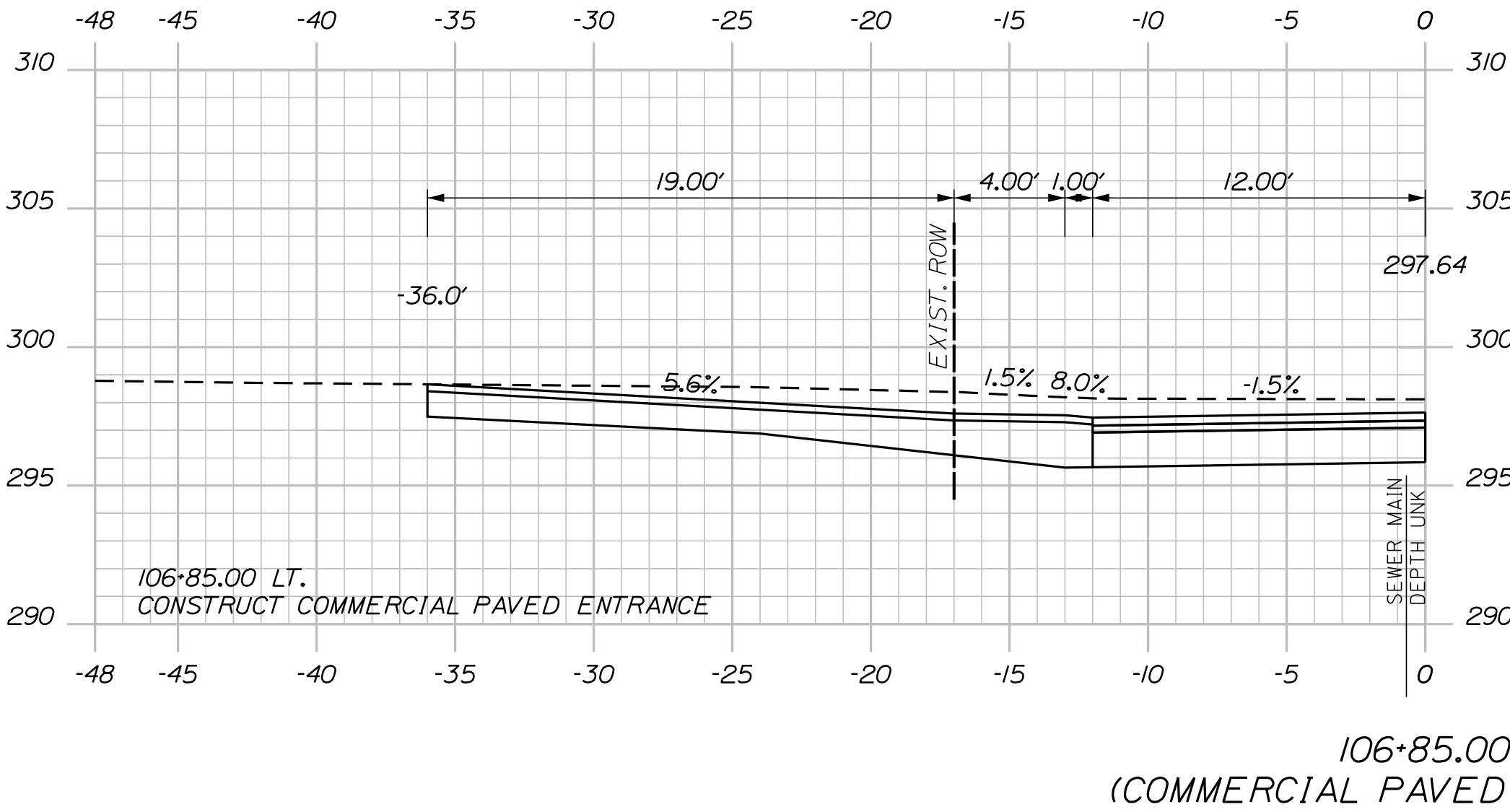
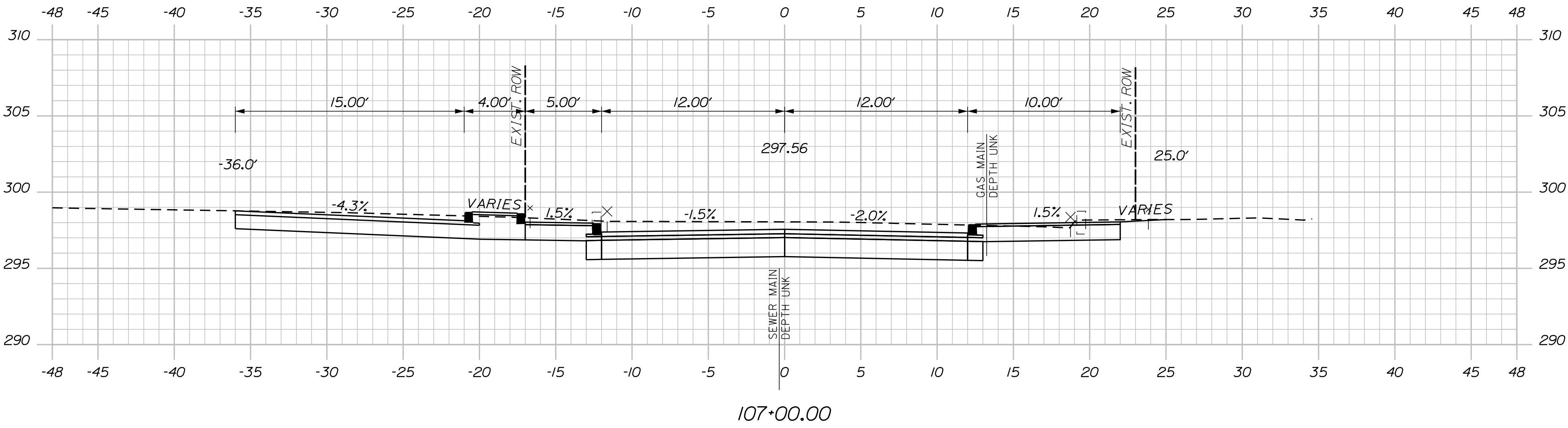
106+45.00
(COMMERCIAL PAVED ENTRANCE)



Sta. 106+00.00 to Sta. 106+50.00

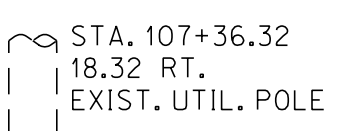
OF 84	SHEET NUMBER 35	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE CROSS SECTIONS	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE _____ P.E. NUMBER _____ DATE _____	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073 WIN 025335.00
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24		
			DESIGN2-DETAILED2					
			DESIGN3-DETAILED3					
			REVISIONS 1					
			REVISIONS 2					
			REVISIONS 3					
			REVISIONS 4					
			FIELD CHANGES					

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

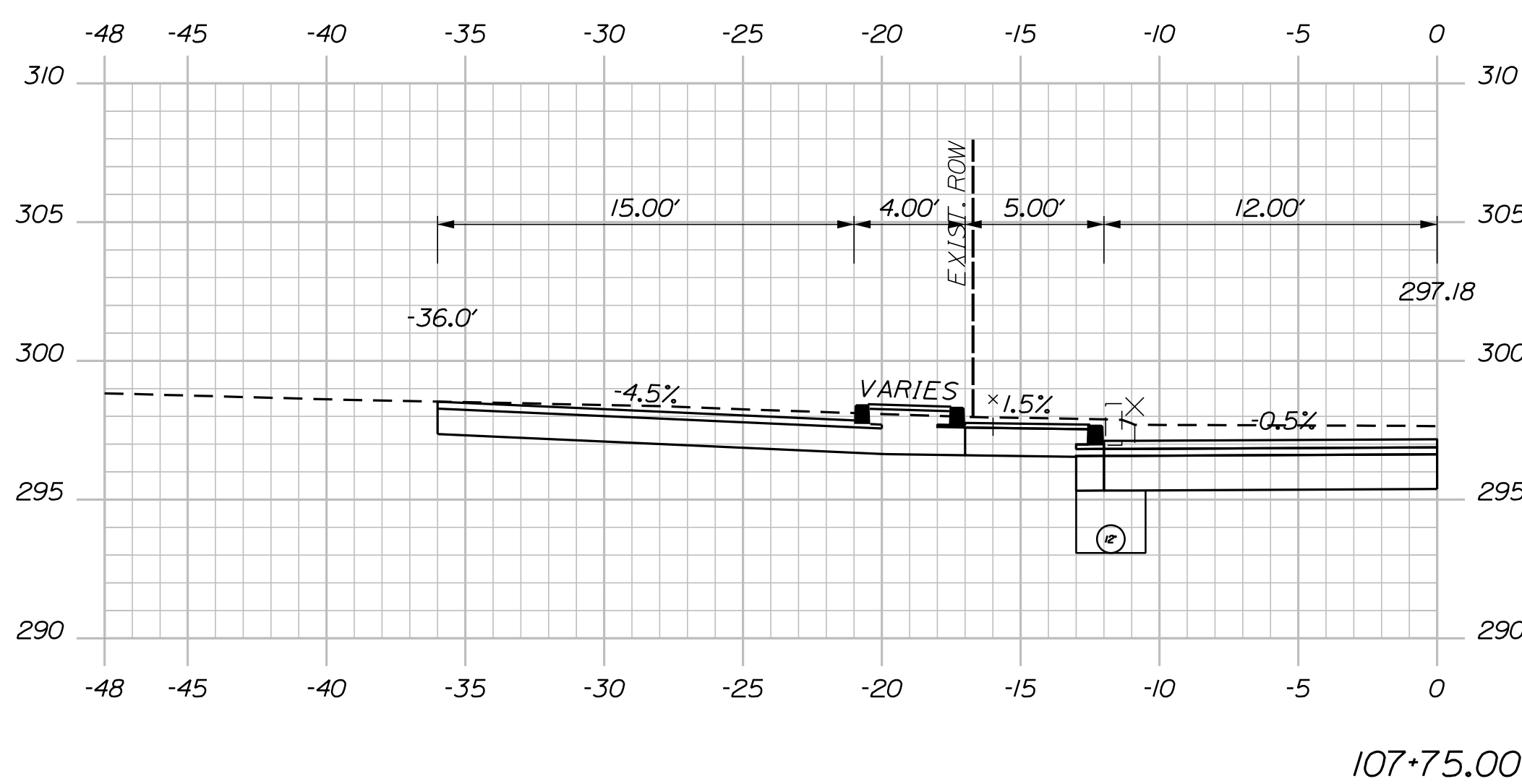
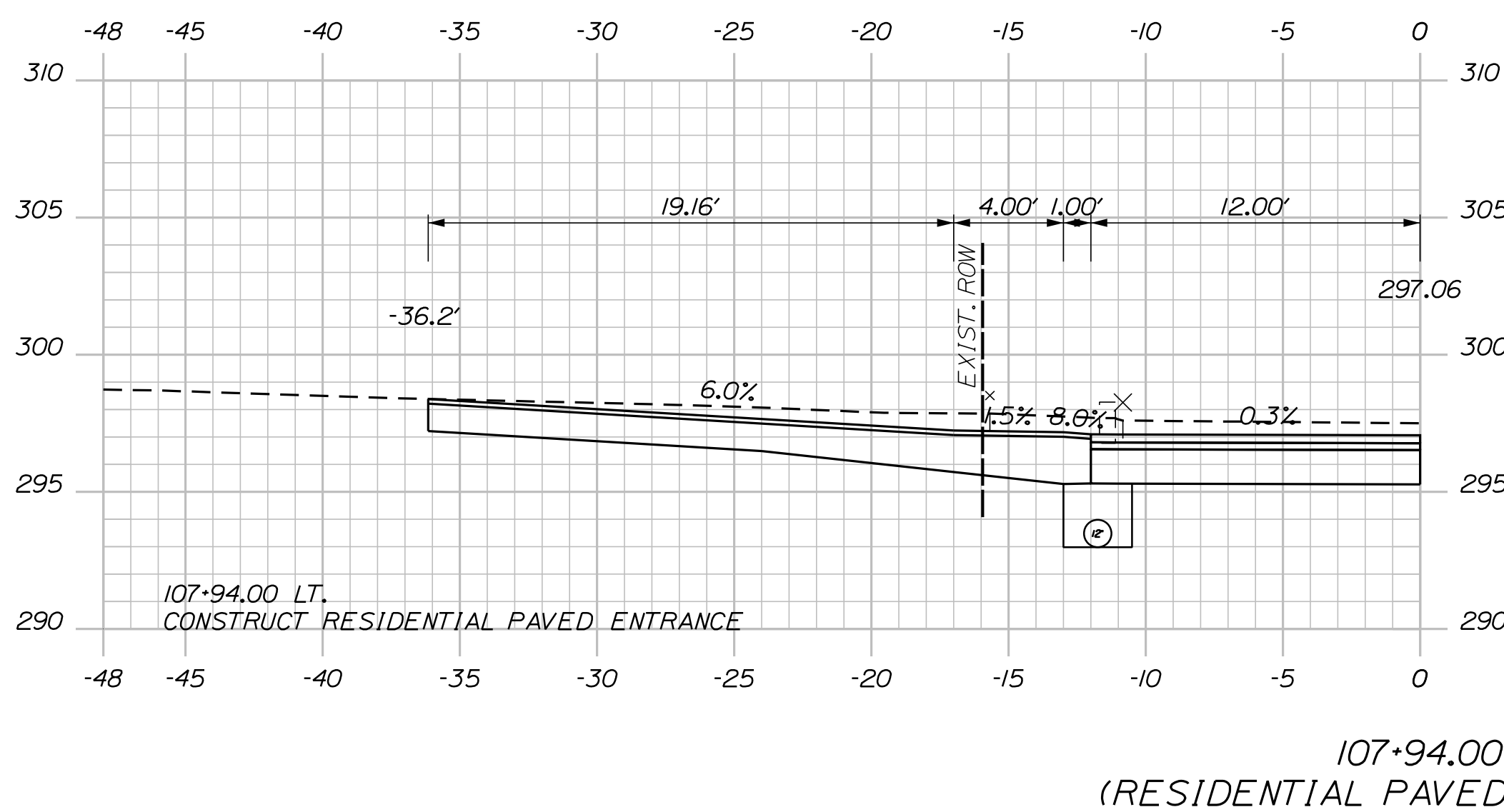
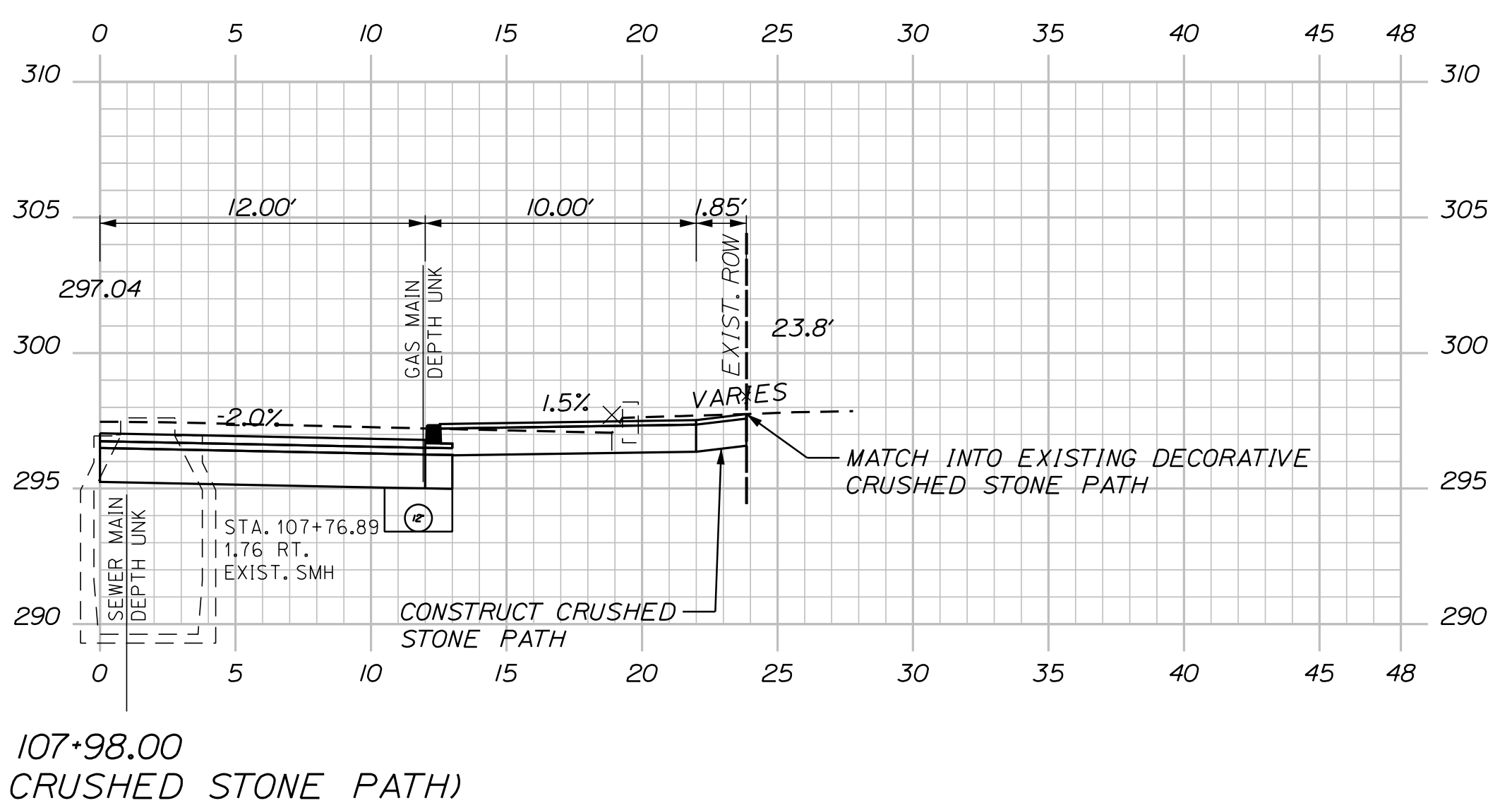


Sta. 106+60.00 to Sta. 107+00.00

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

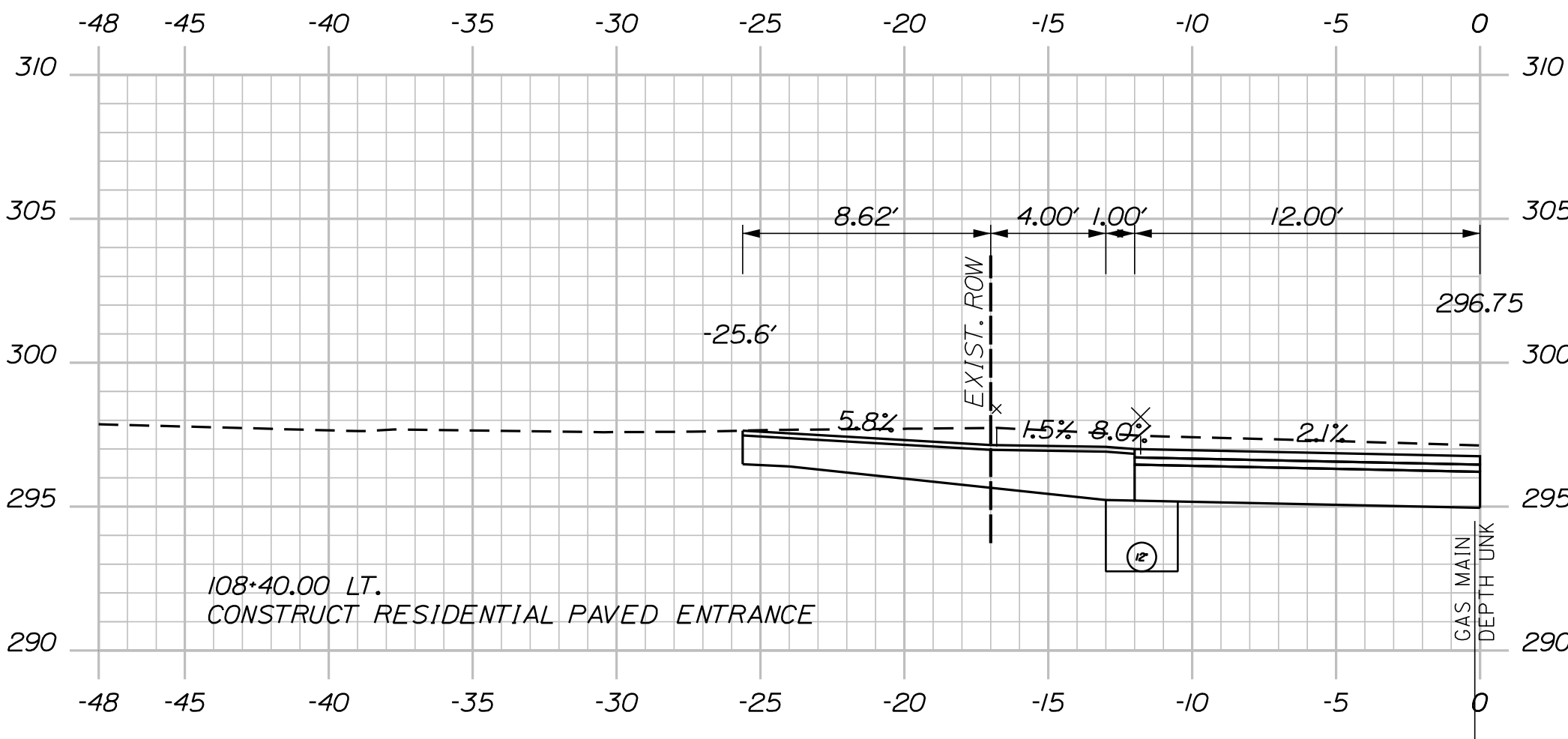


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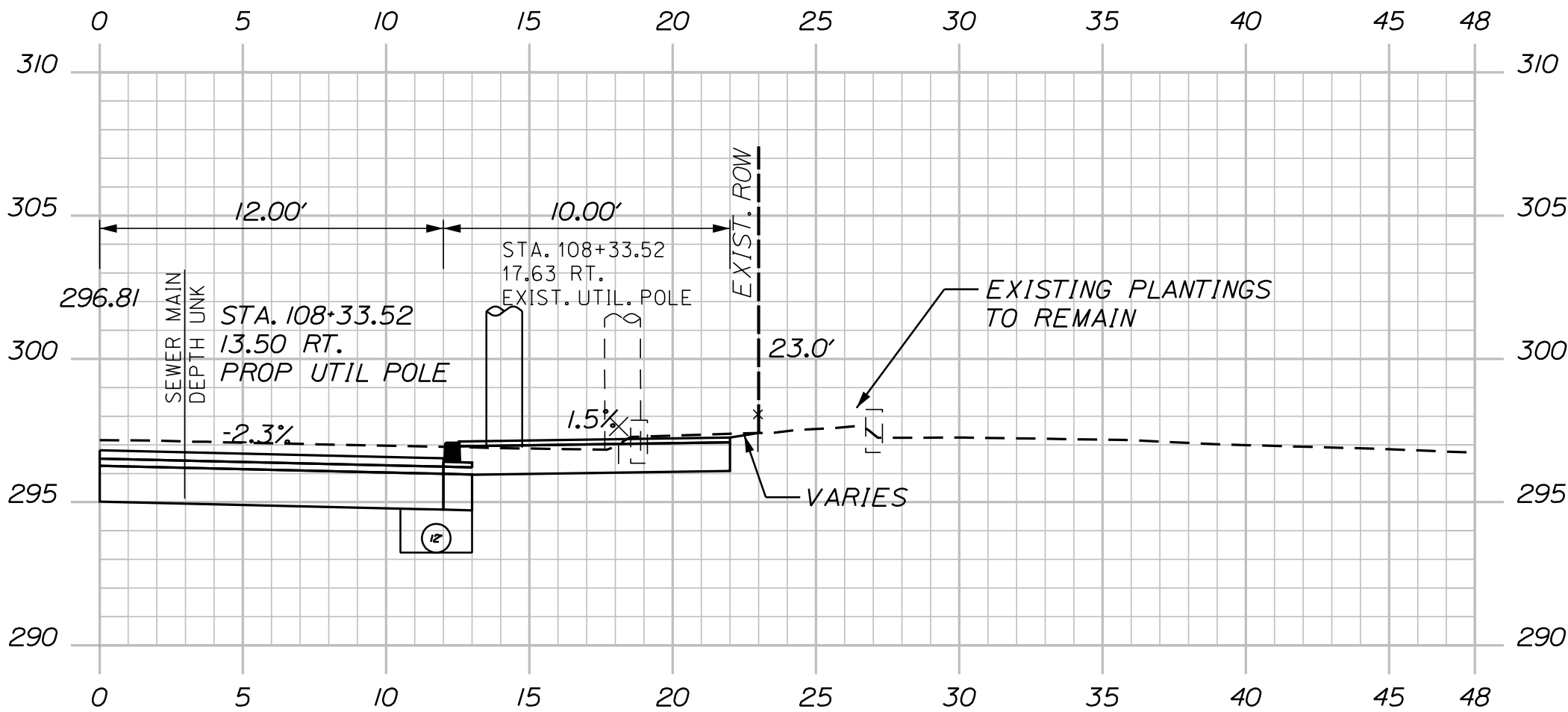


PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	08/24
DESIGN2-DETAILED2	—	—	—
DESIGN3-DETAILED3	—	—	—
REVISIONS 1	—	—	—
REVISIONS 2	—	—	—
REVISIONS 3	—	—	—
REVISIONS 4	—	—	—
FIELD CHANGES	—	—	—

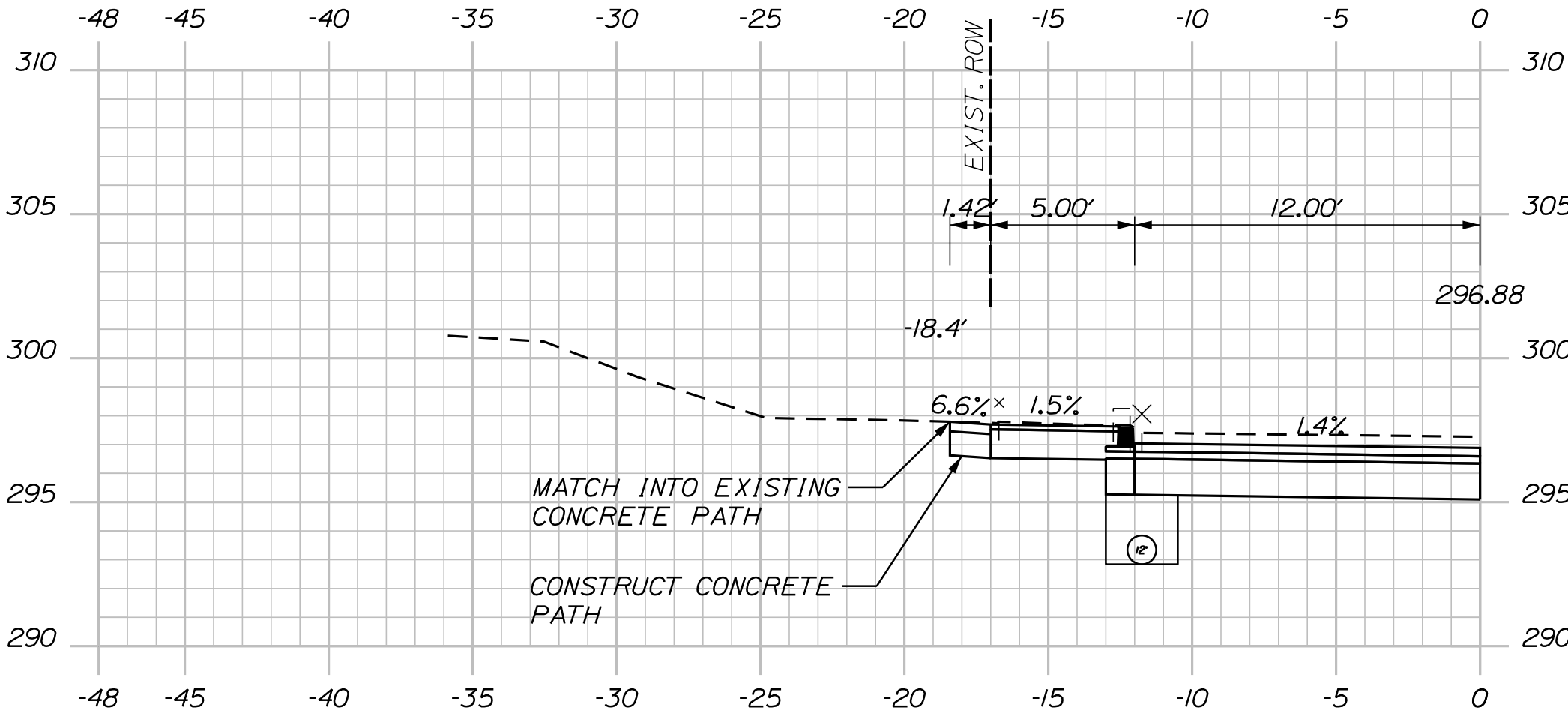
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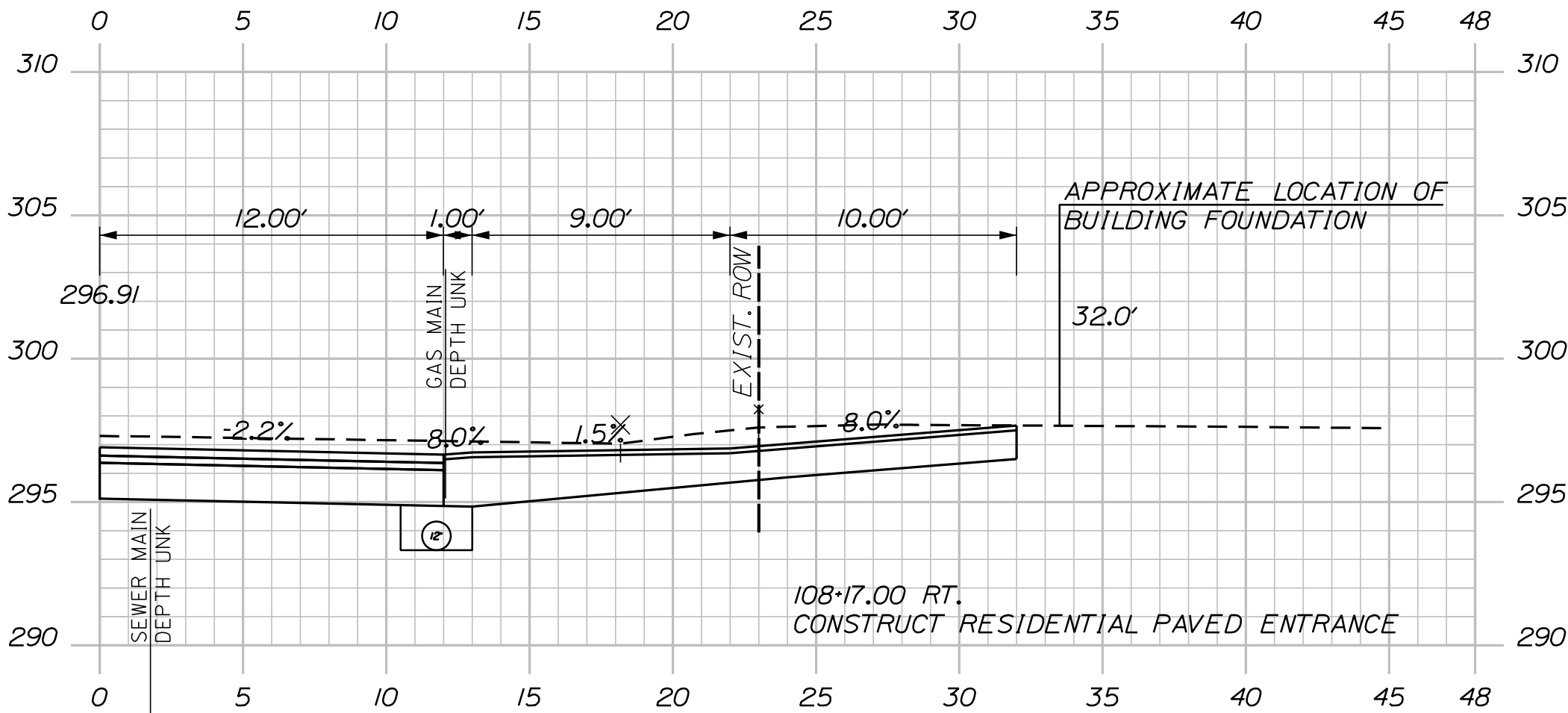
108+40.00
(RESIDENTIAL PAVED ENTRANCE)



108+32.00



108+22.00
(CONCRETE PATH)

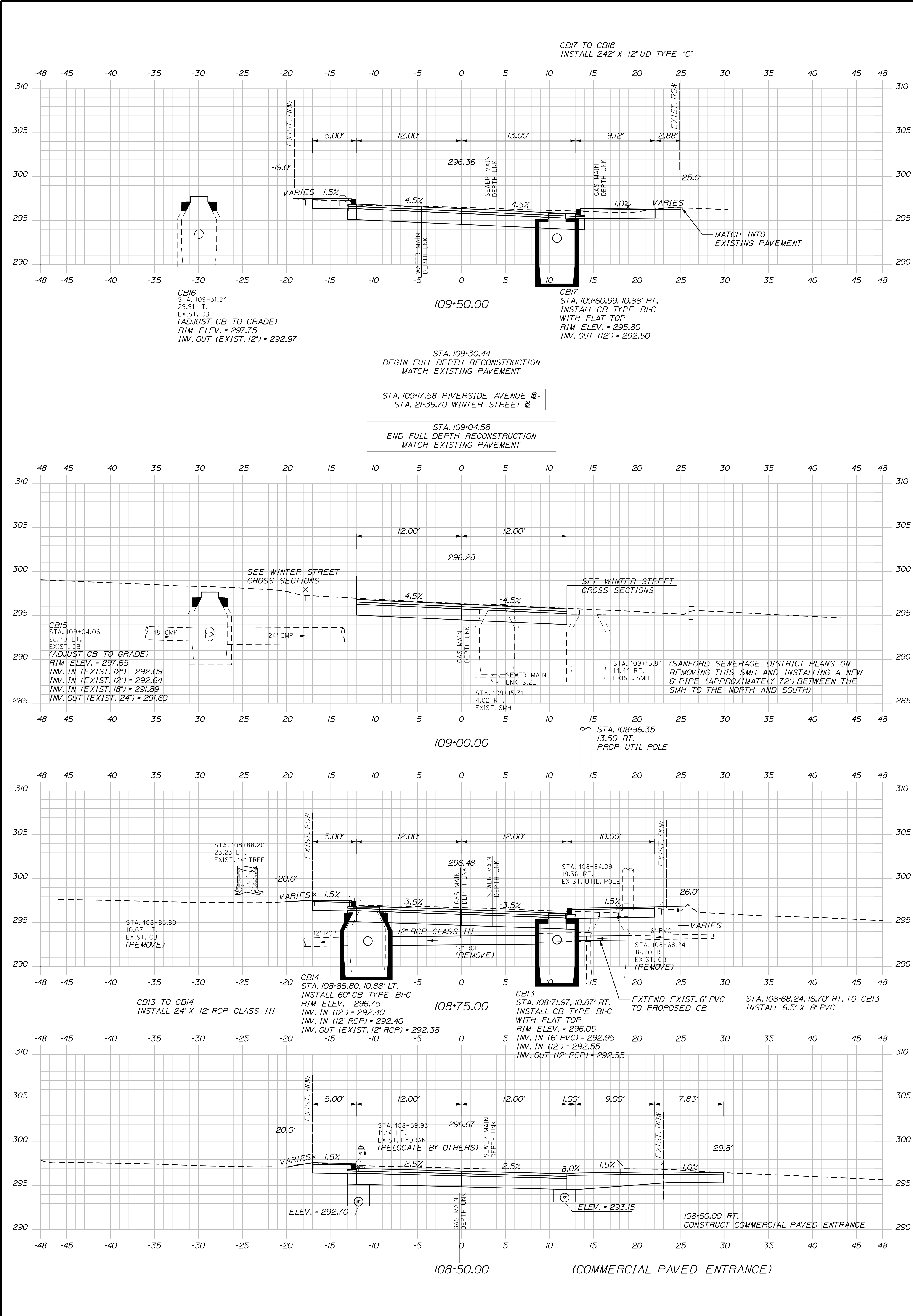


108+17.00
(RESIDENTIAL PAVED ENTRANCE)

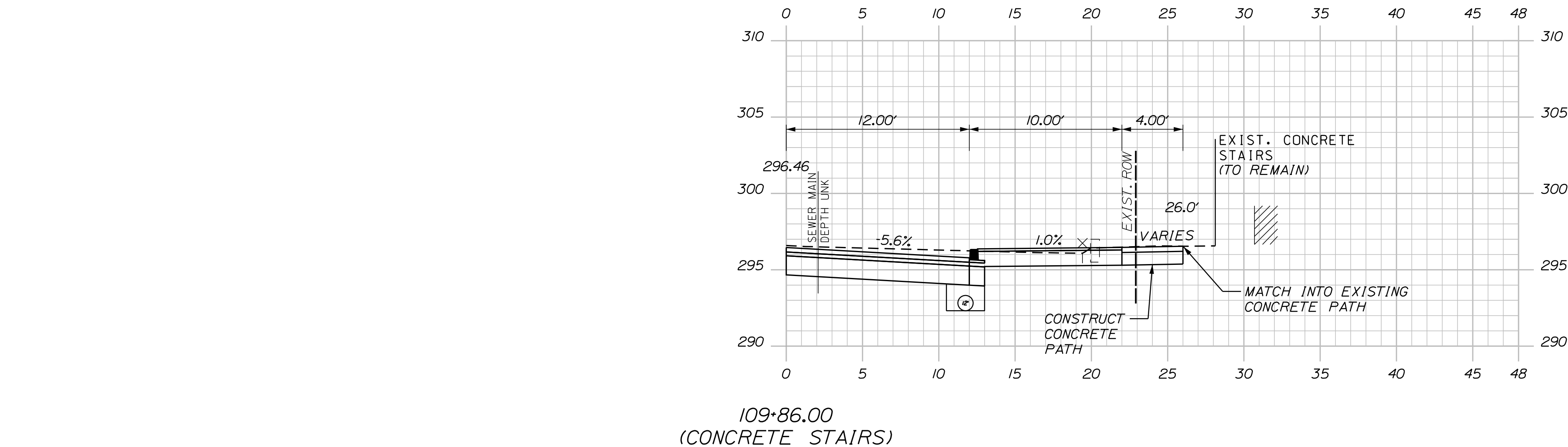
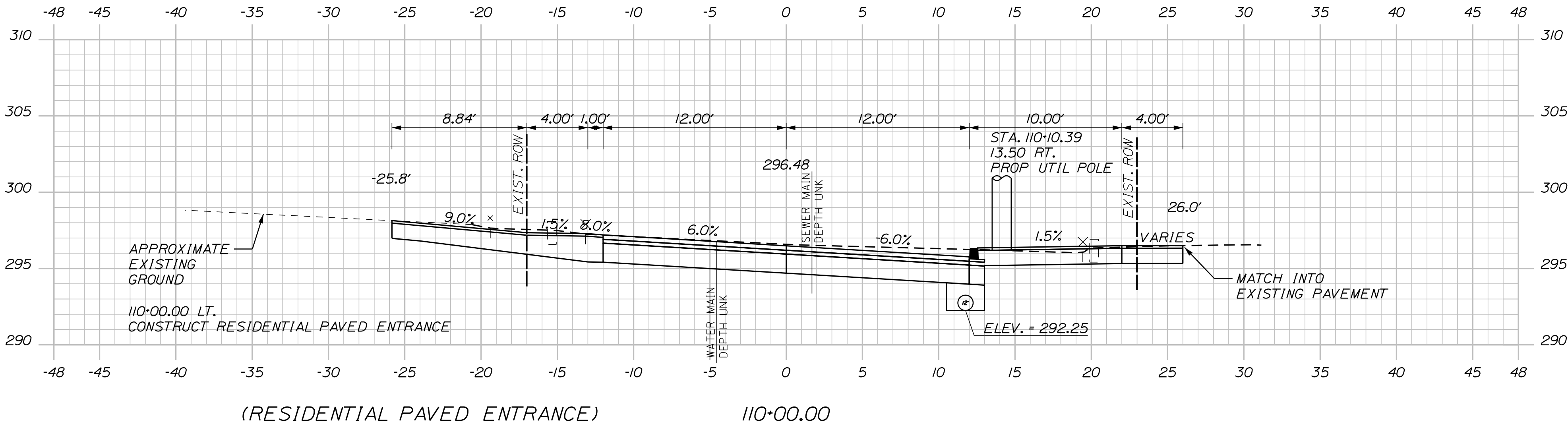
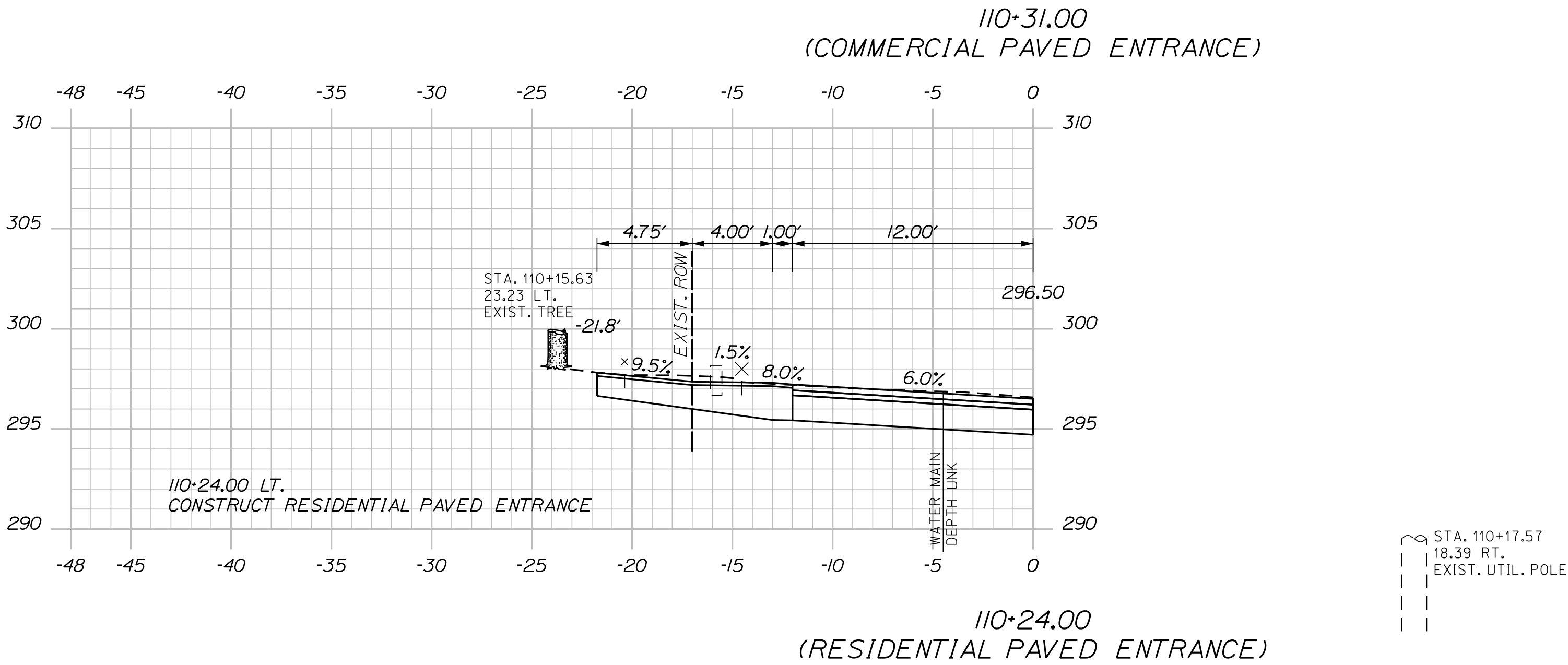
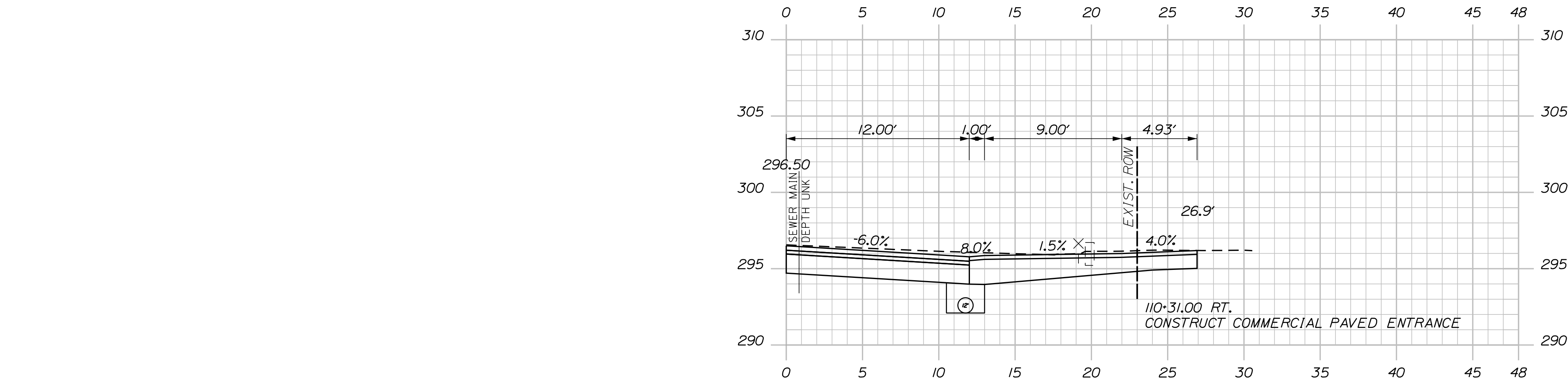
Sta. 108+17.00 to Sta. 108+40.00

OF 84	SHEET NUMBER	39	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
				DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24				
				CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24				
				DESIGN2-DETAILED2	-	-	-				
OF 84	SHEET NUMBER	39	CROSS SECTIONS	DESIGN3-DETAILED3	-	-	-	DATE	WIN 025335.00		
				REVISIONS 1	-	-	-				
				REVISIONS 2	-	-	-				
				REVISIONS 3	-	-	-				
OF 84	SHEET NUMBER	39		REVISIONS 4	-	-	-				
				FIELD CHANGES	-	-	-				

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

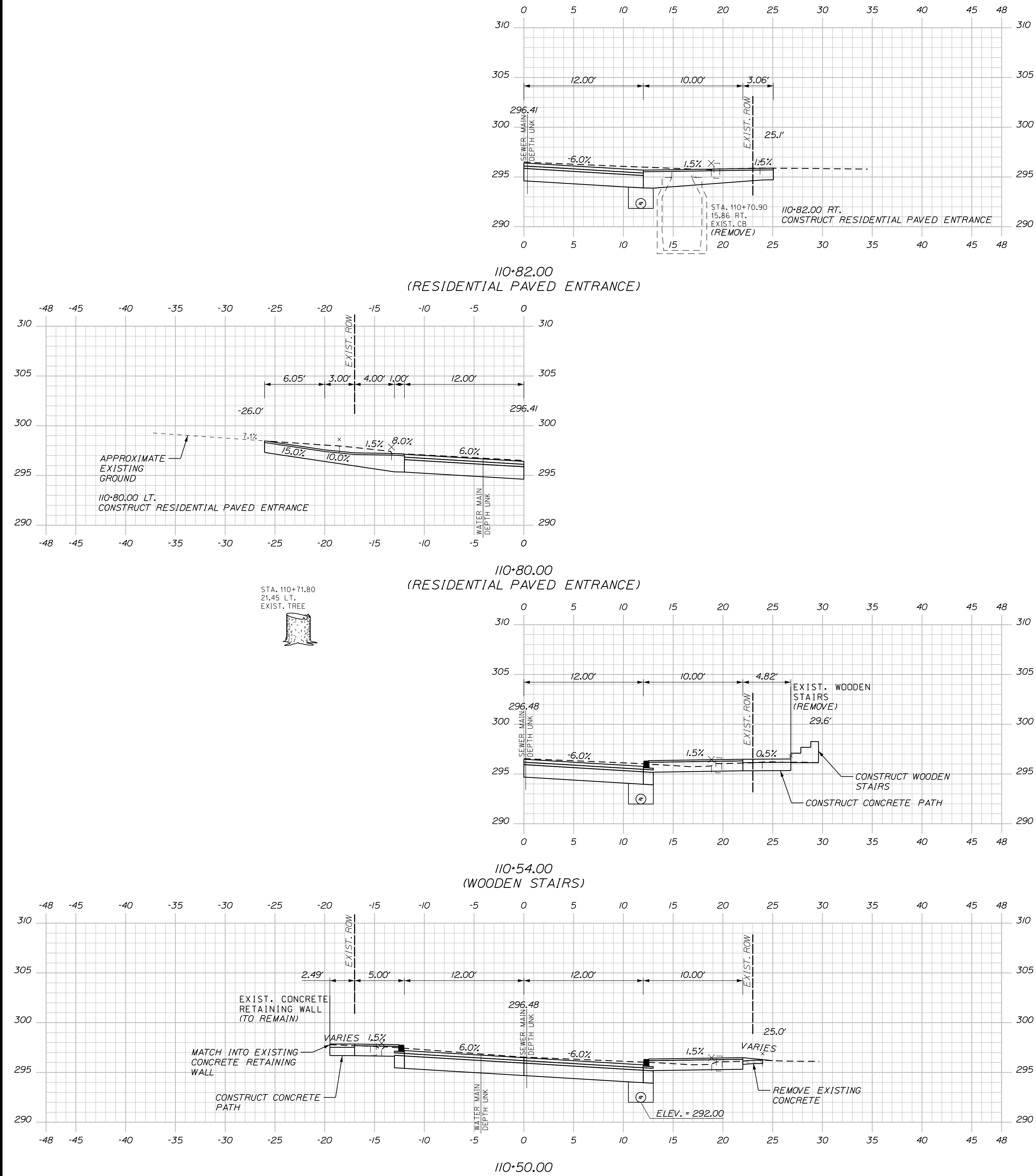


U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

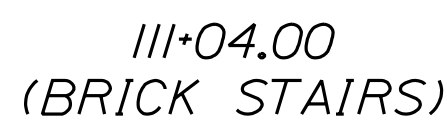
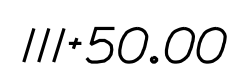
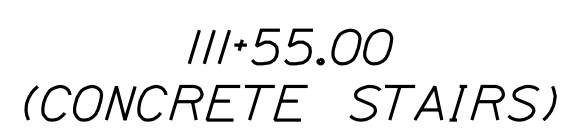


Sta. 109+86.00 to Sta. 110+31.00	SHEET NUMBER 41 OF 84	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE CROSS SECTIONS	PROJ. MANAGER	M. HILL	BY	DATE	SIGNATURE P.E. NUMBER DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073 WIN 025335.00
			DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24		
			DESIGN2-DETAILED2	-	-	-		
			DESIGN3-DETAILED3	-	-	-		
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

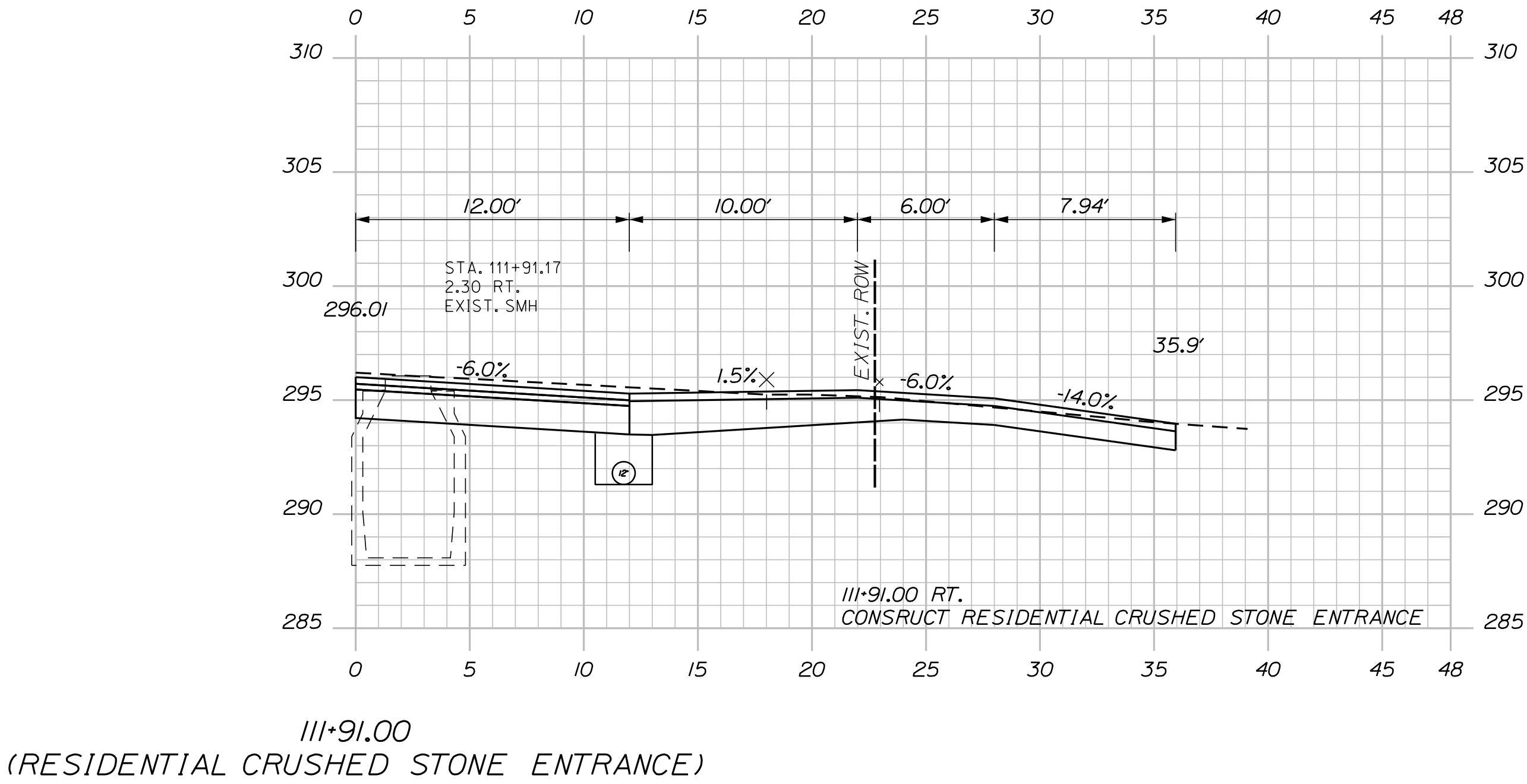
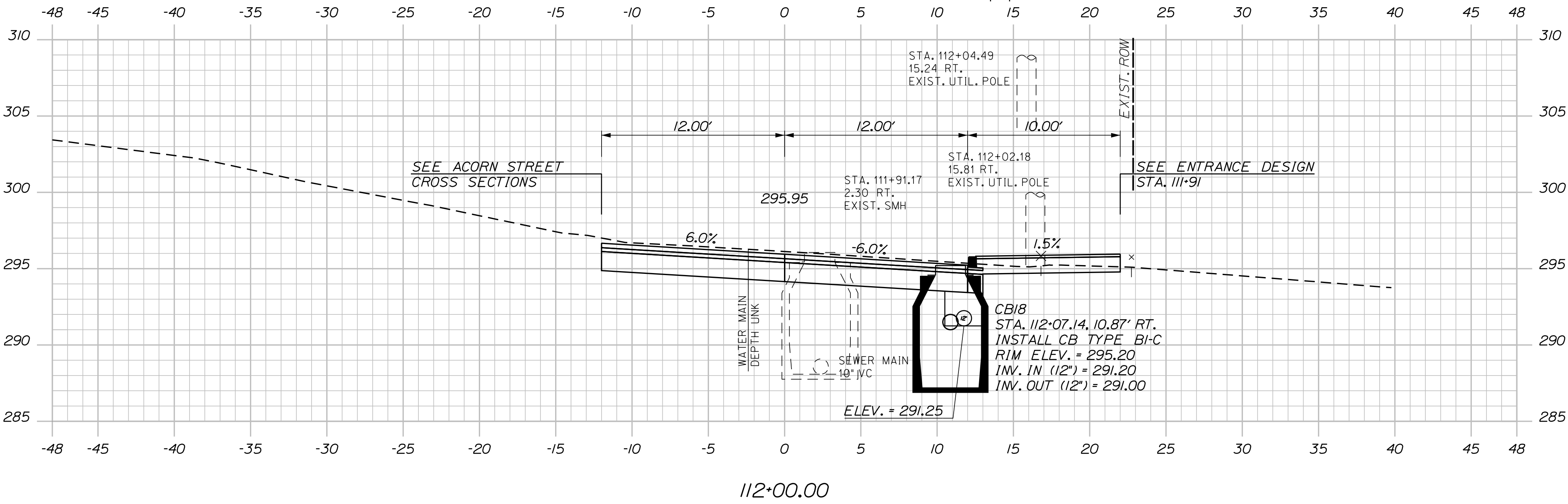
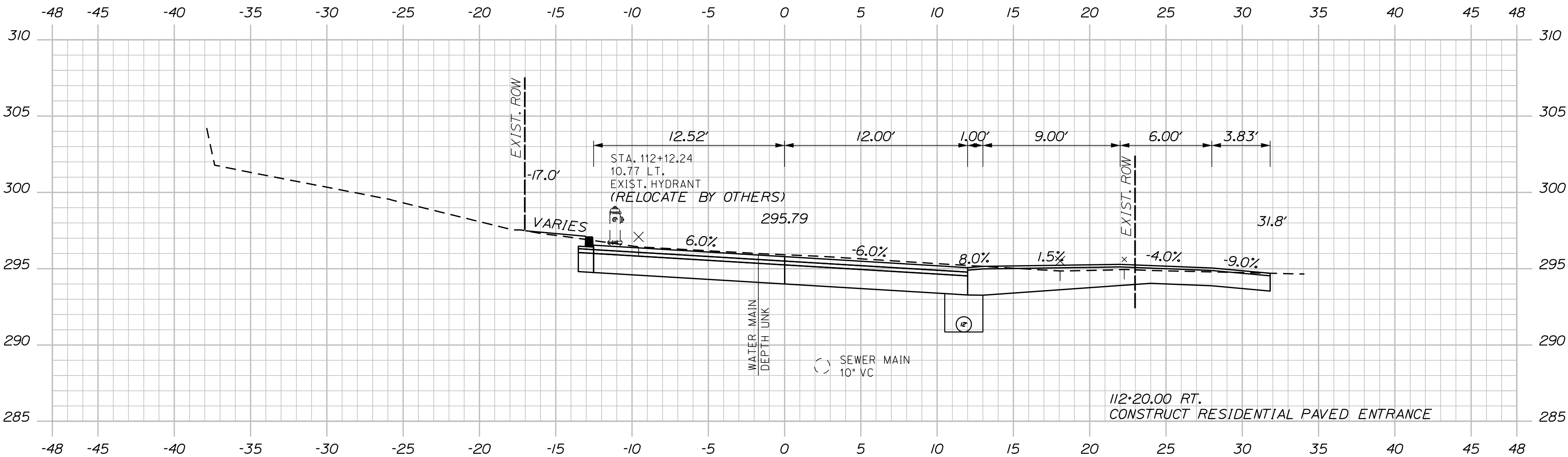
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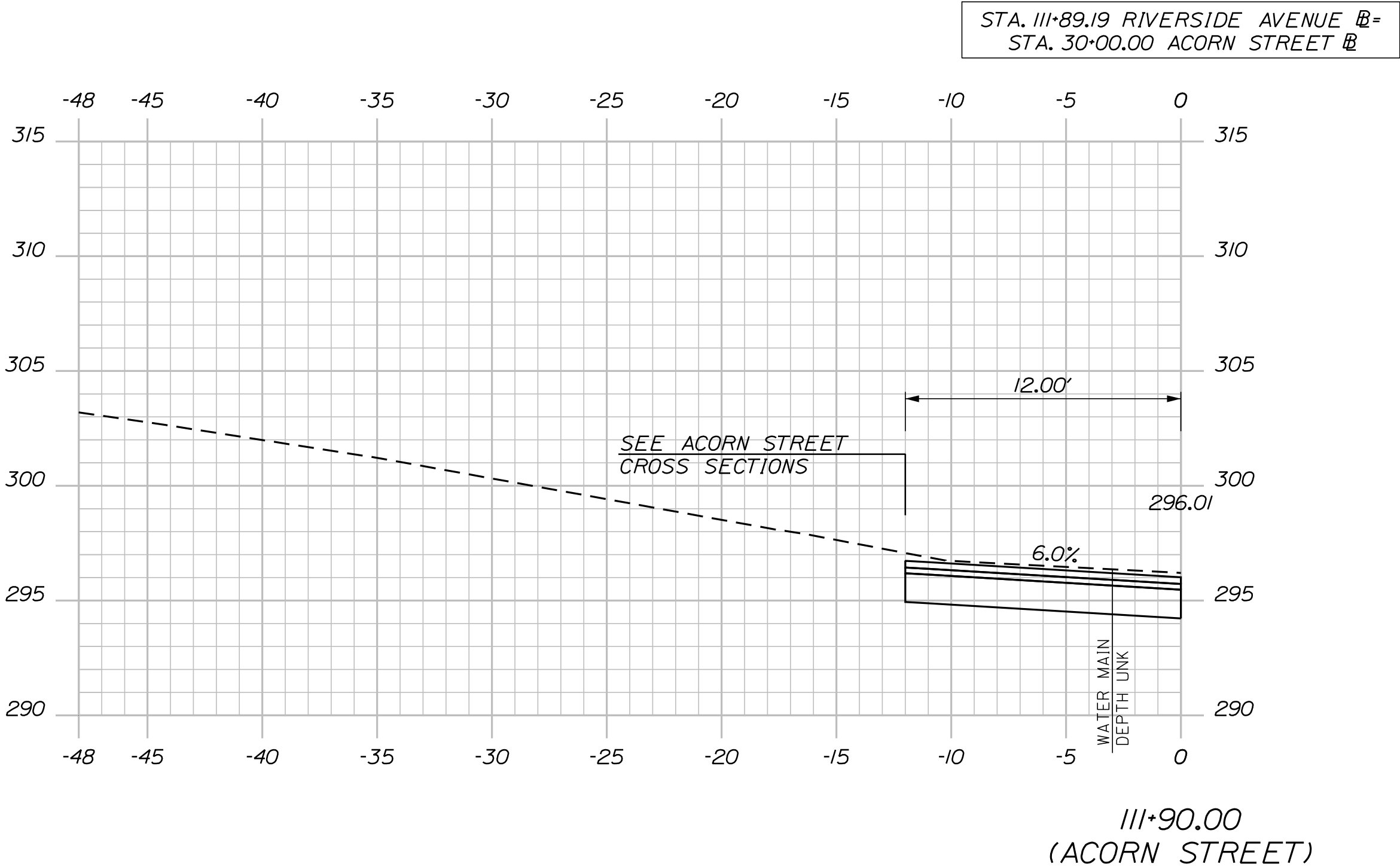
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U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



111+91.00
(RESIDENTIAL CRUSHED STONE ENTRANCE)



Sta. 111+90.00 to Sta. 112+20.00

44
OF 84

SHEET NUMBER

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

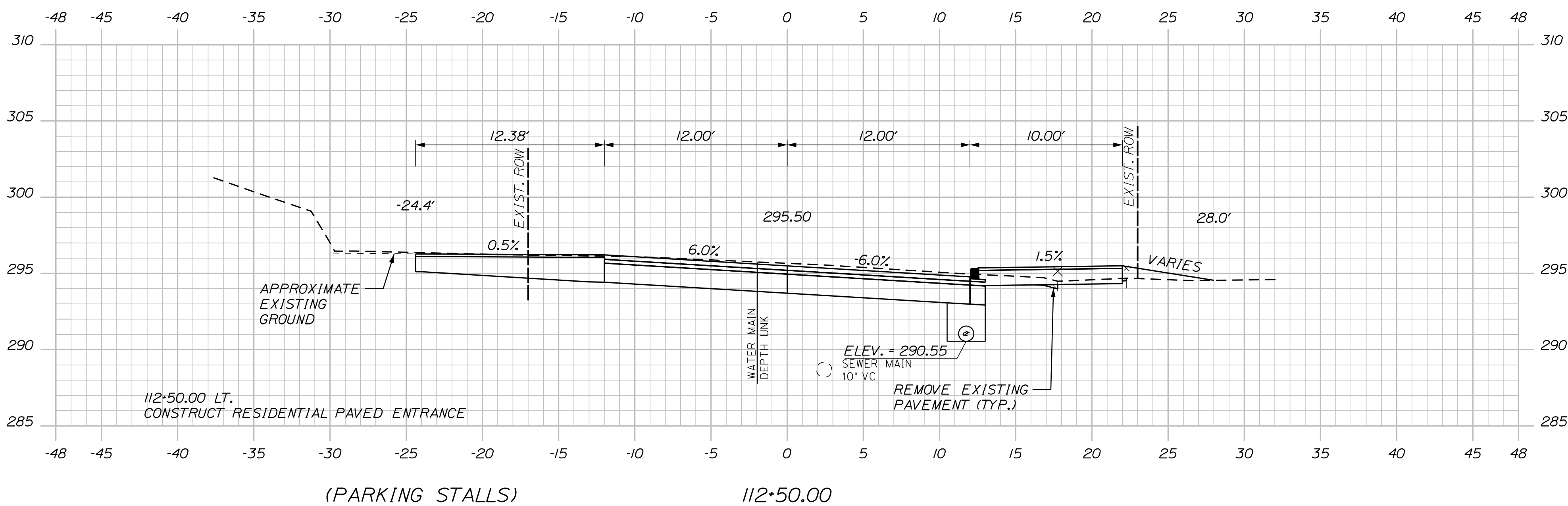
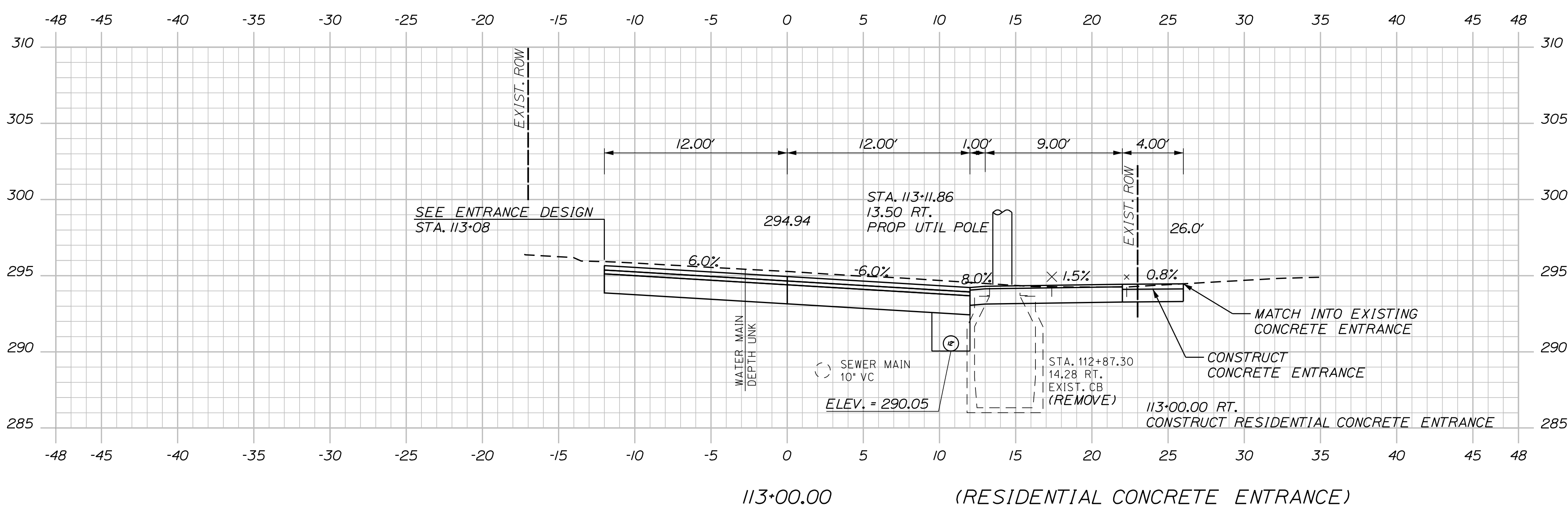
P.E. NUMBER

DATE

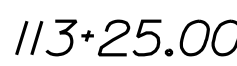
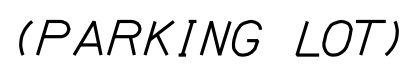
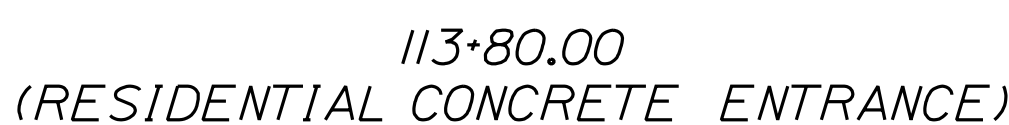
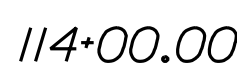
CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

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



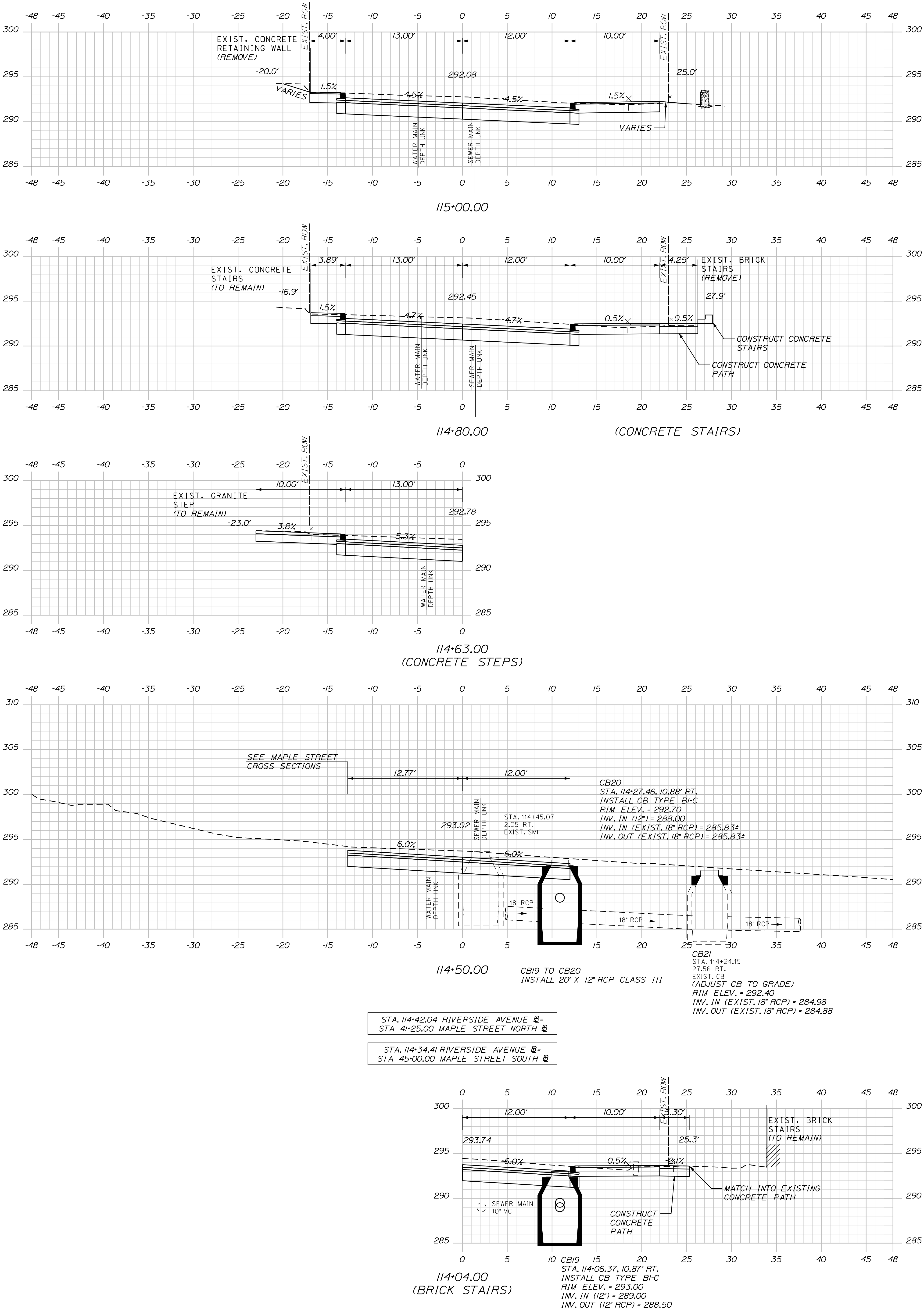
U:\3421.11_William Oscar Emery & Riverside Improvements\Z - CAD\00\Highway\Xsect.dgn



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

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	08/24
DESIGN2-DETAILED2	--	--	--
DESIGN3-DETAILED3	--	--	--
REVISIONS 1	--	--	--
REVISIONS 2	--	--	--
REVISIONS 3	--	--	--
REVISIONS 4	--	--	--
FIELD CHANGES	--	--	--

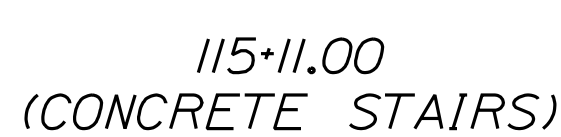
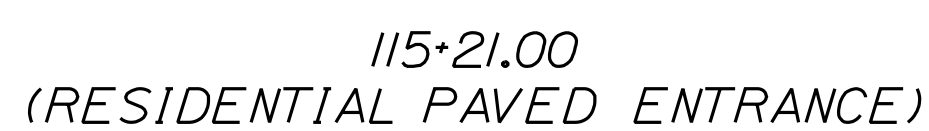
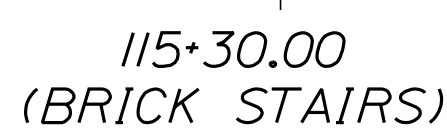
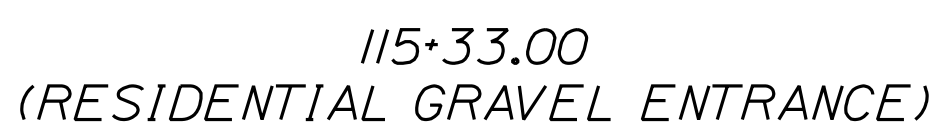
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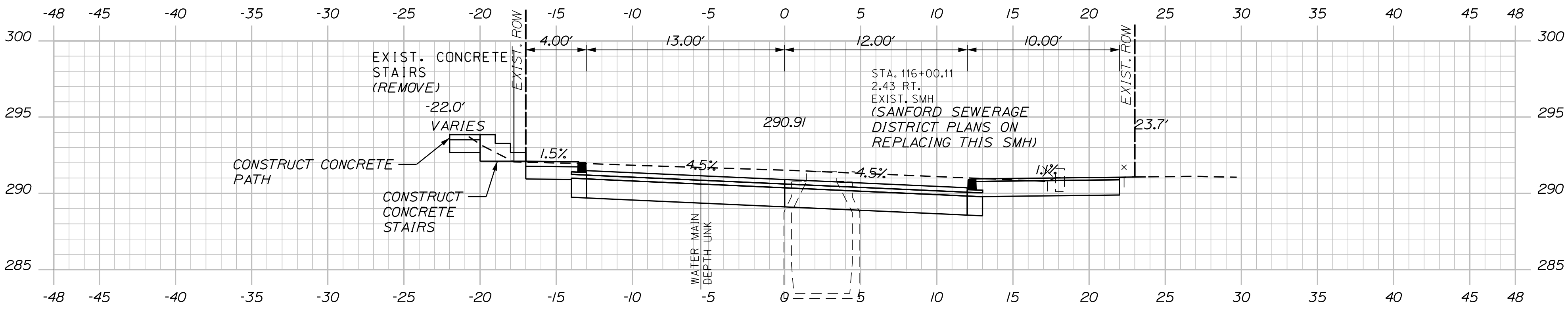
Sta. 114+04.00 to Sta. 115+00.00

OF 84	SHEET NUMBER	47	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 08\24							
				CHECKED-REVIEWED J.WINCHENBACH E. ETINGER 08\24							
				DESIGN2-DETAILED2 - - -							
				DESIGN3-DETAILED3 - - -							
			CROSS SECTIONS				REVISIONS 1 - - -				P.E. NUMBER
							REVISIONS 2 - - -				
							REVISIONS 3 - - -				
							REVISIONS 4 - - -				
							FIELD CHANGES - - -				
								DATE			

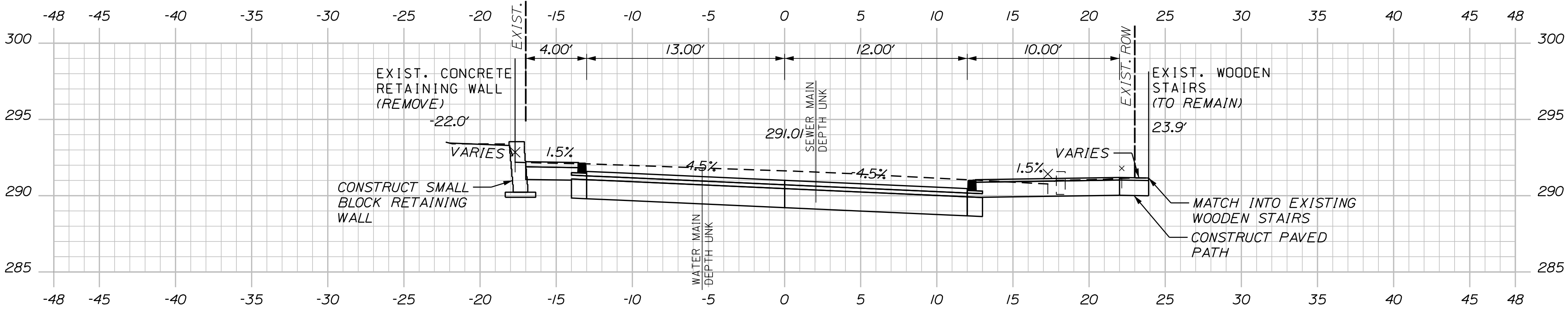
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U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



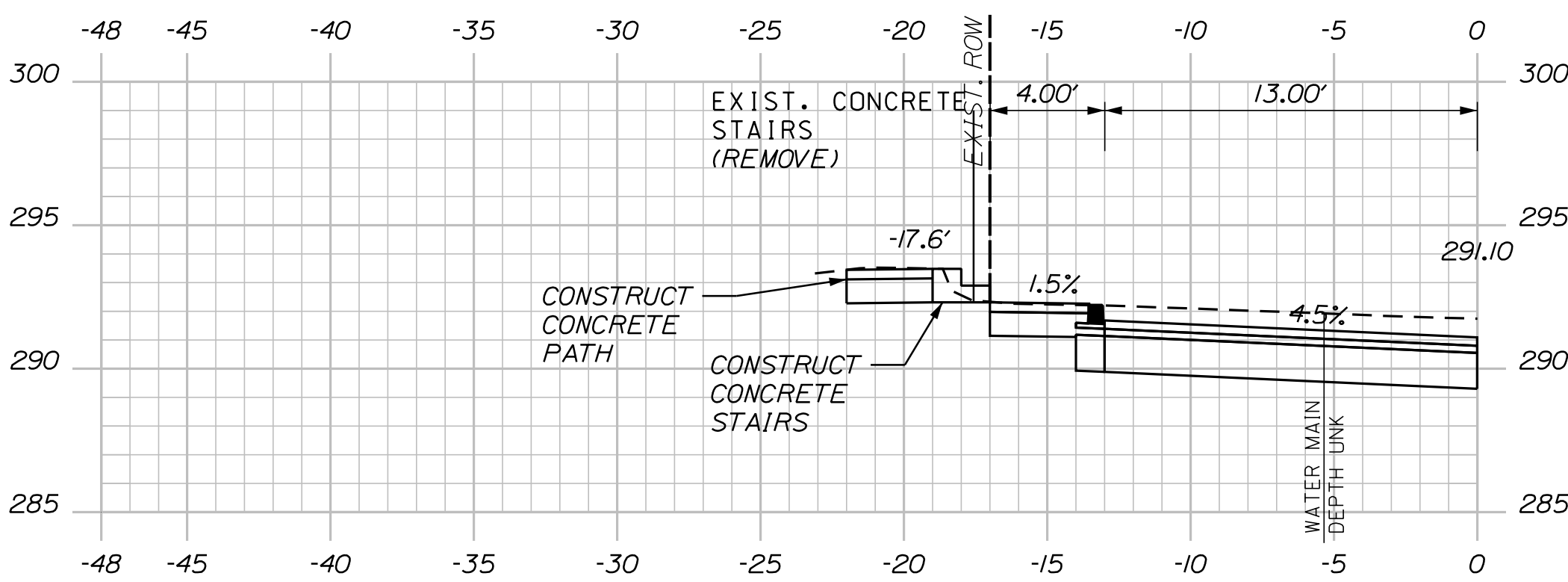
116+00.00
(CONCRETE STAIRS)



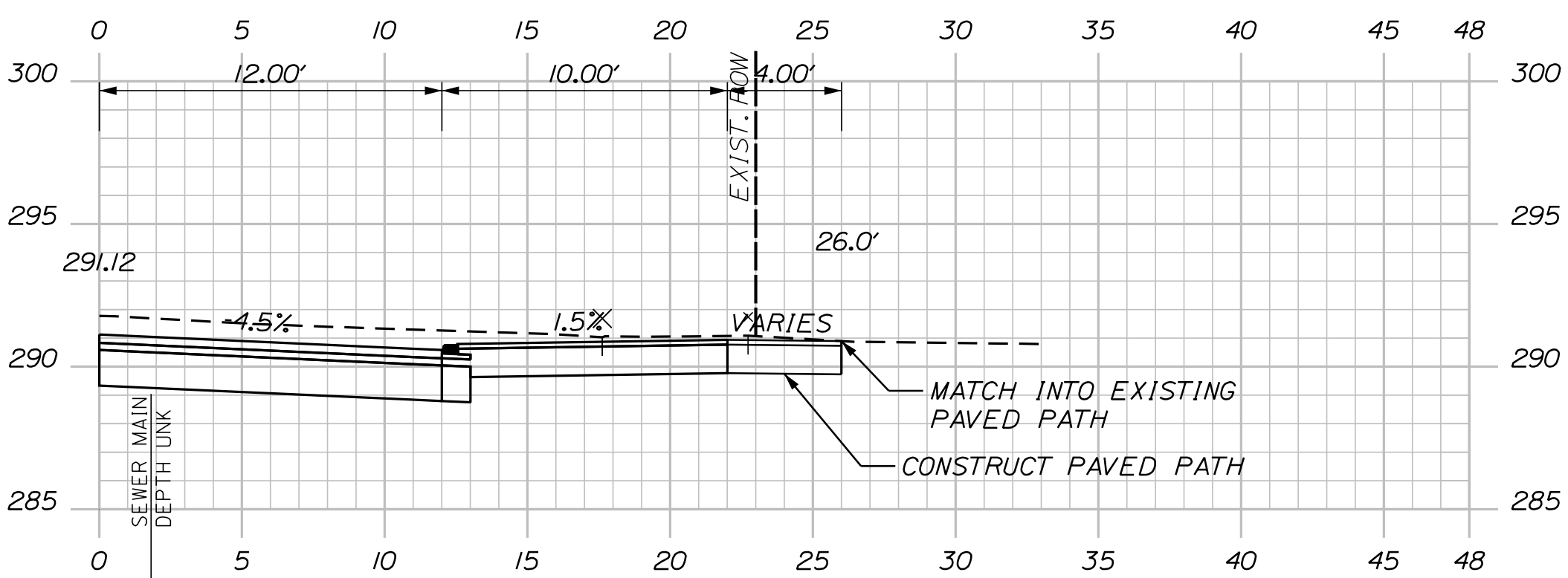
(CONCRETE RETAINING WALL)

115+87.00

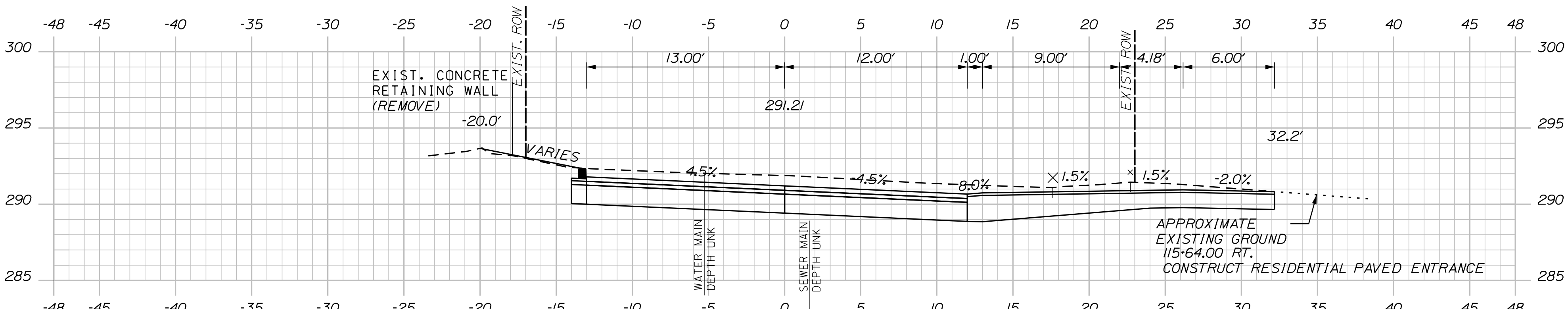
(WOODEN STAIRS)



115+76.00
(CONCRETE STAIRS)



115+73.00
(PAVED PATH)



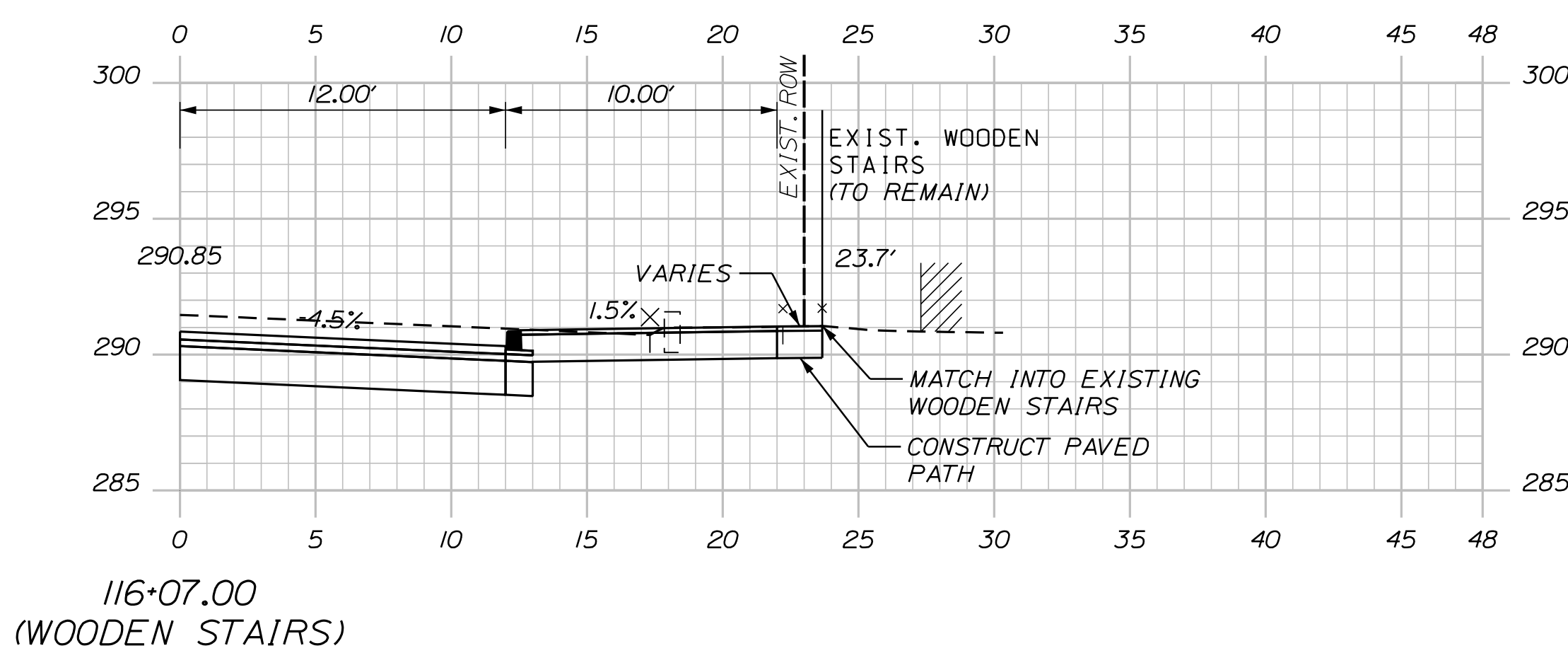
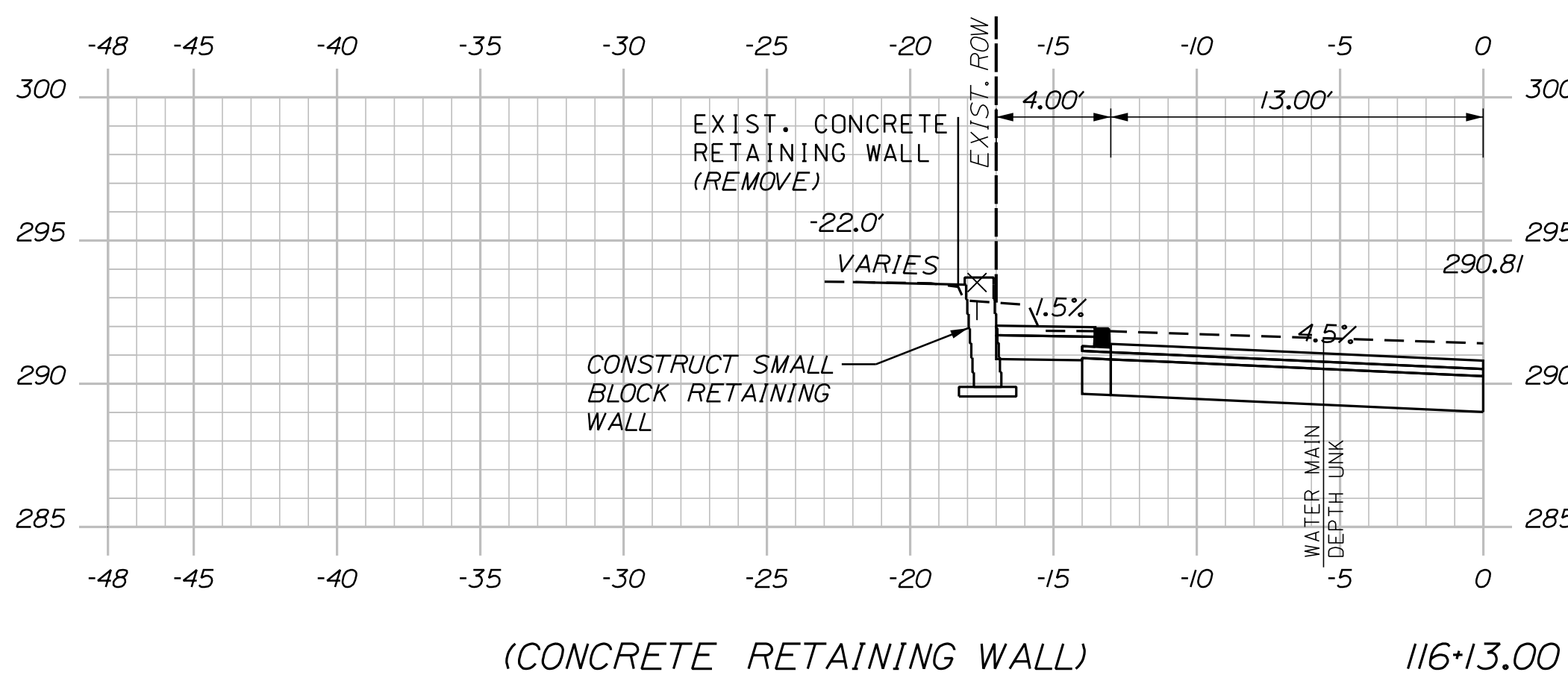
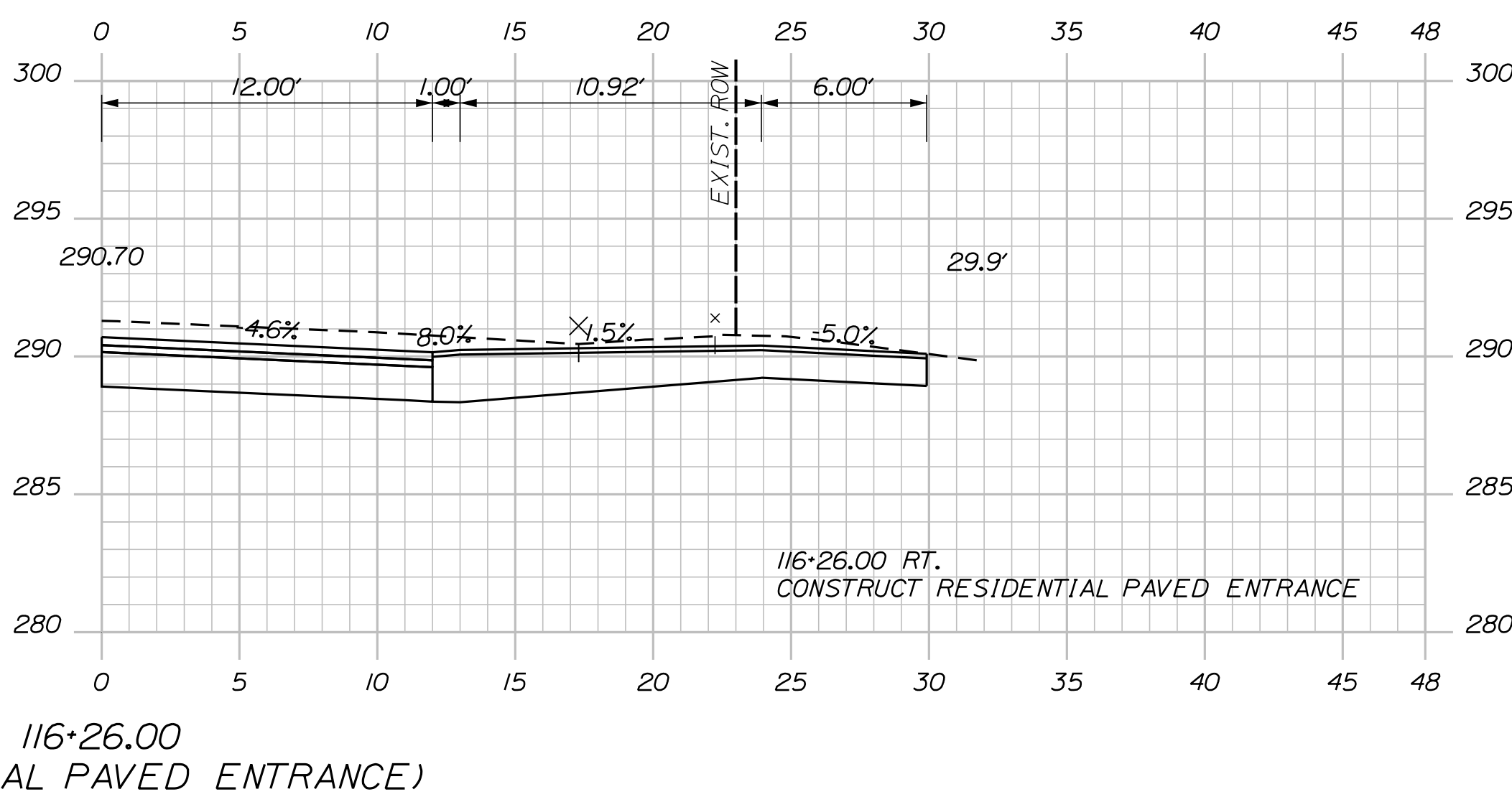
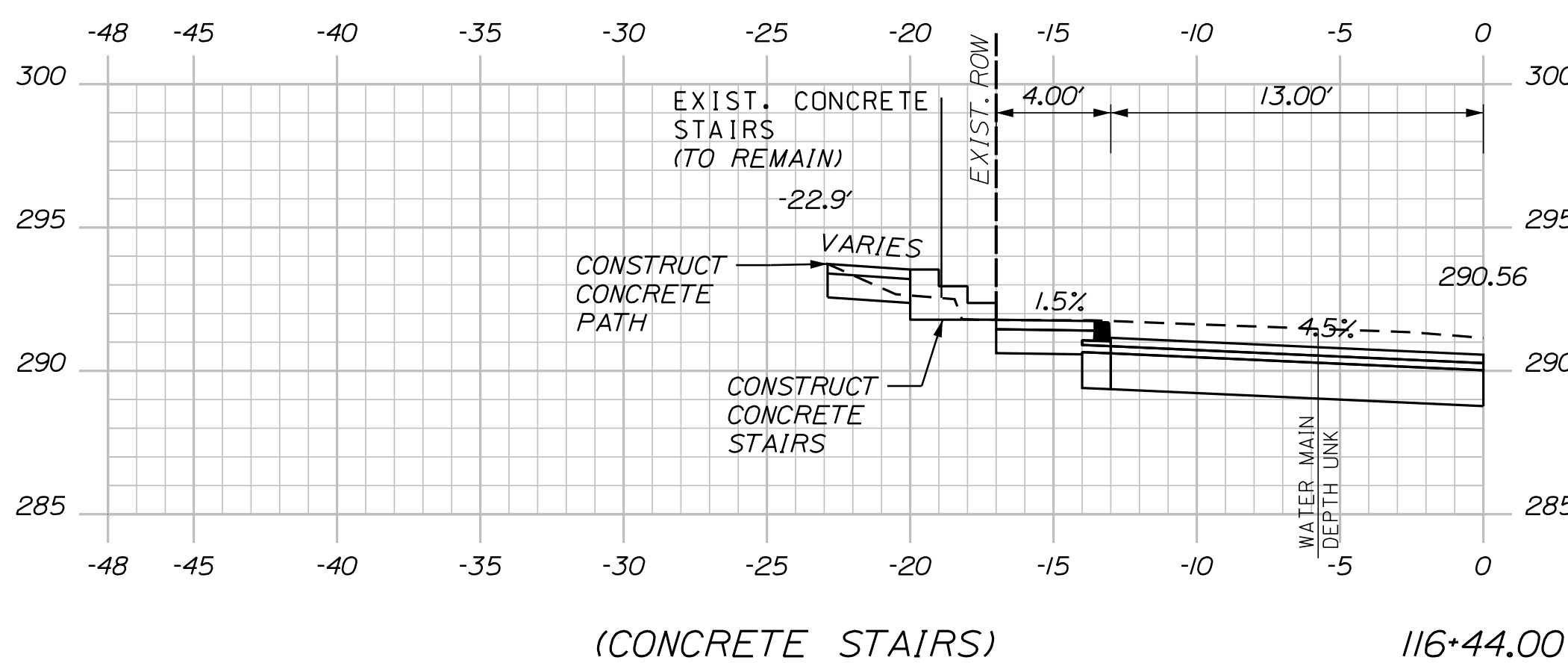
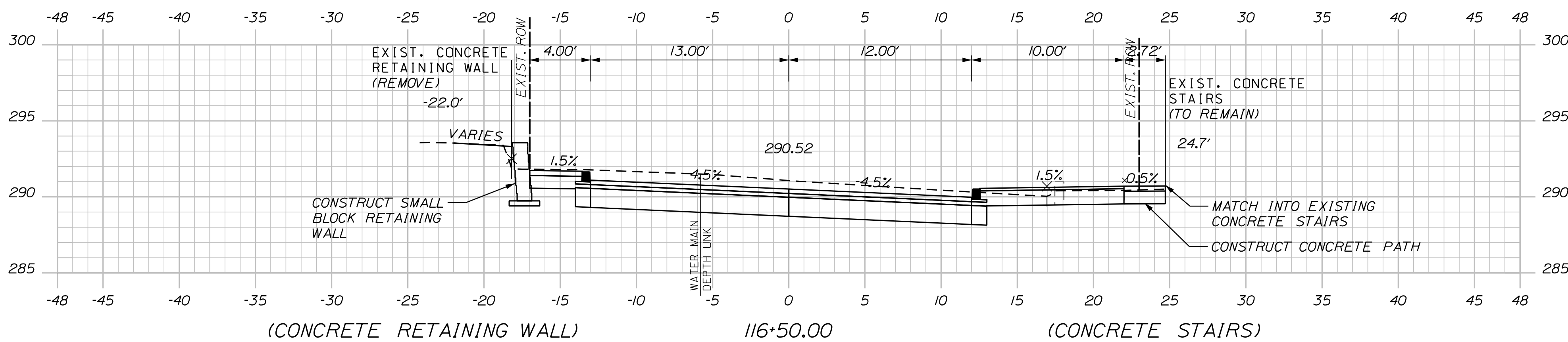
(CONCRETE RETAINING WALL)

115+64.00

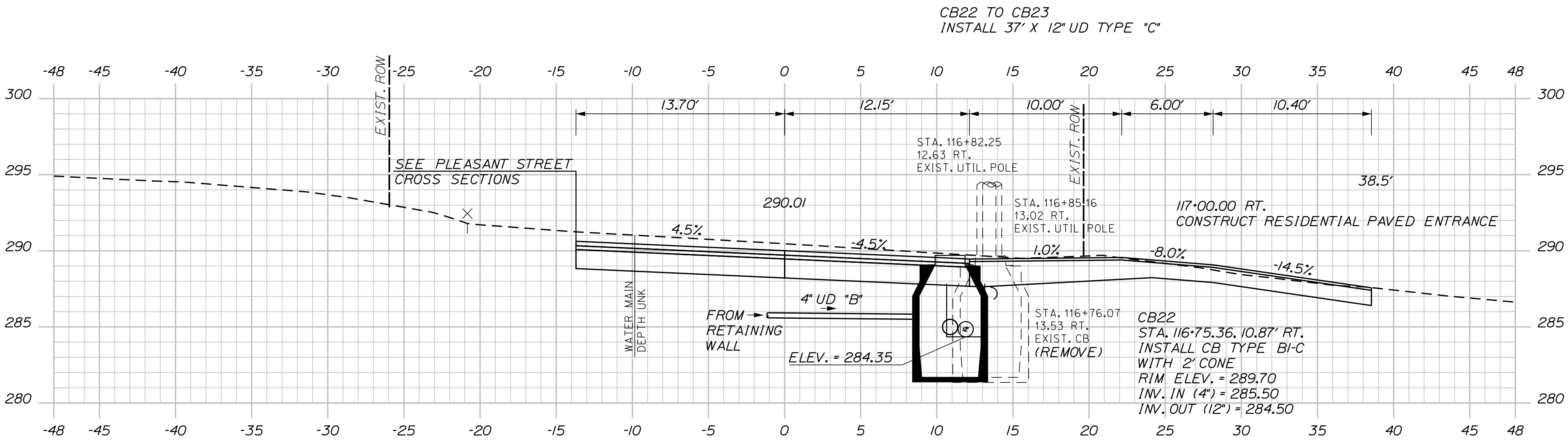
(RESIDENTIAL PAVED ENTRANCE)

Sta. 115+64.00 to Sta. 116+00.00

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

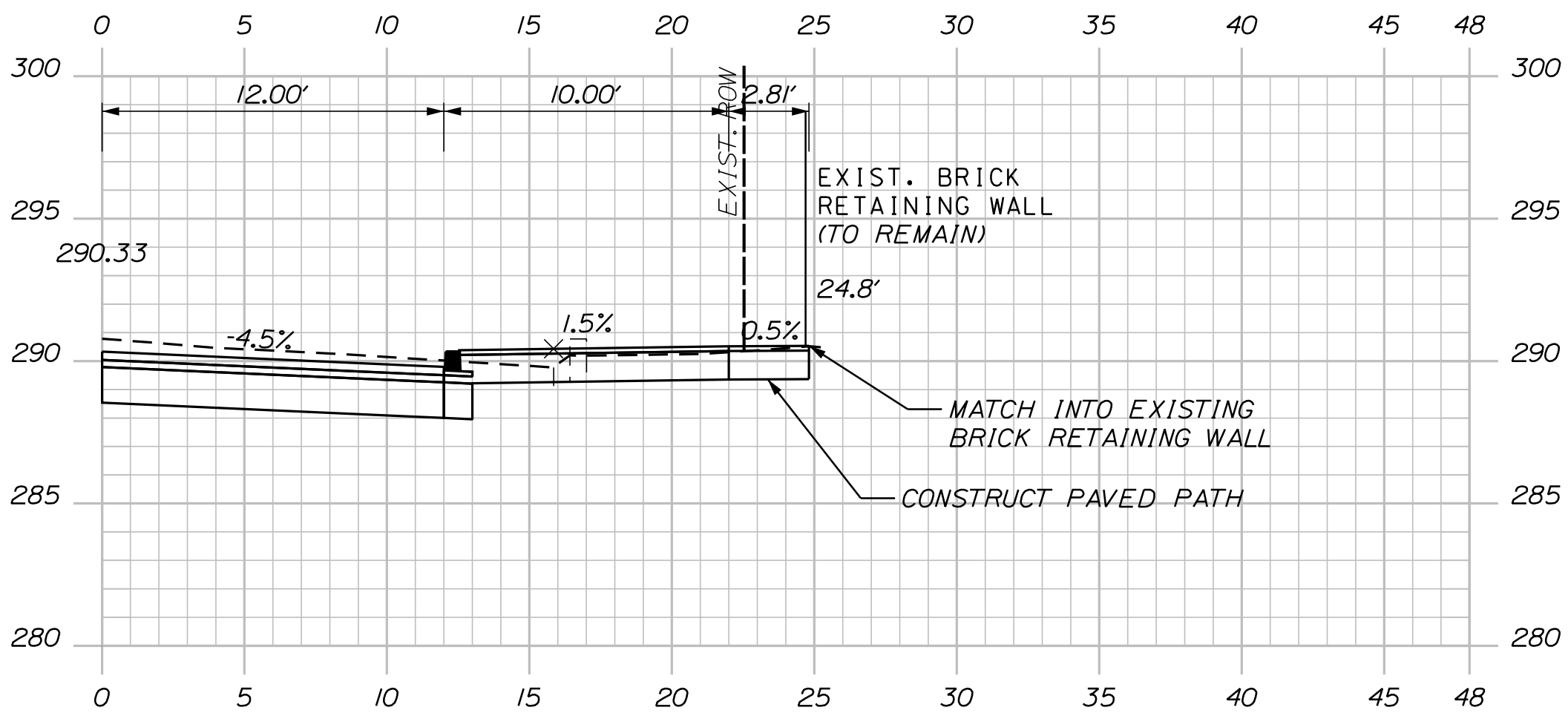


U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

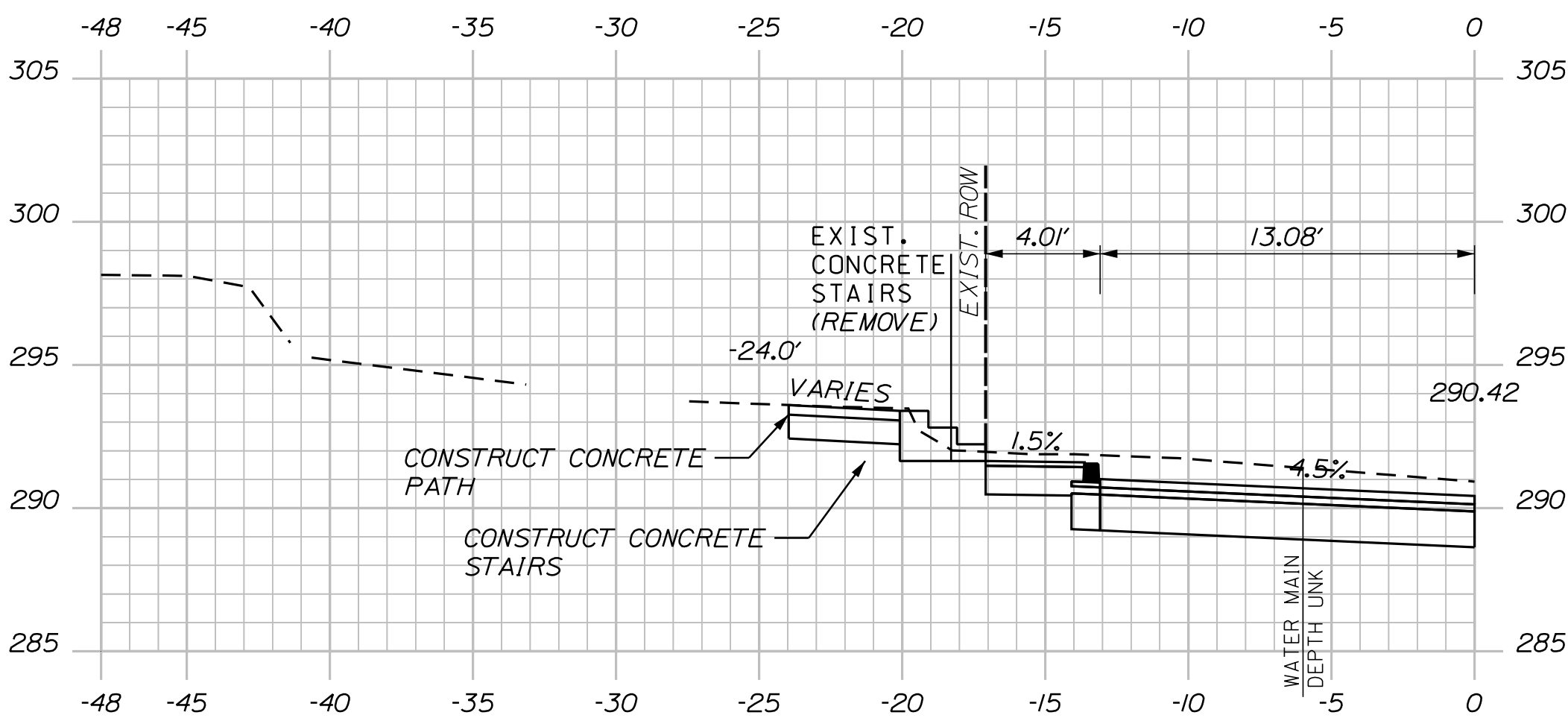


STA. 116+86.49 RIVERSIDE AVENUE =
STA 50+00.00 PLEASANT AVENUE

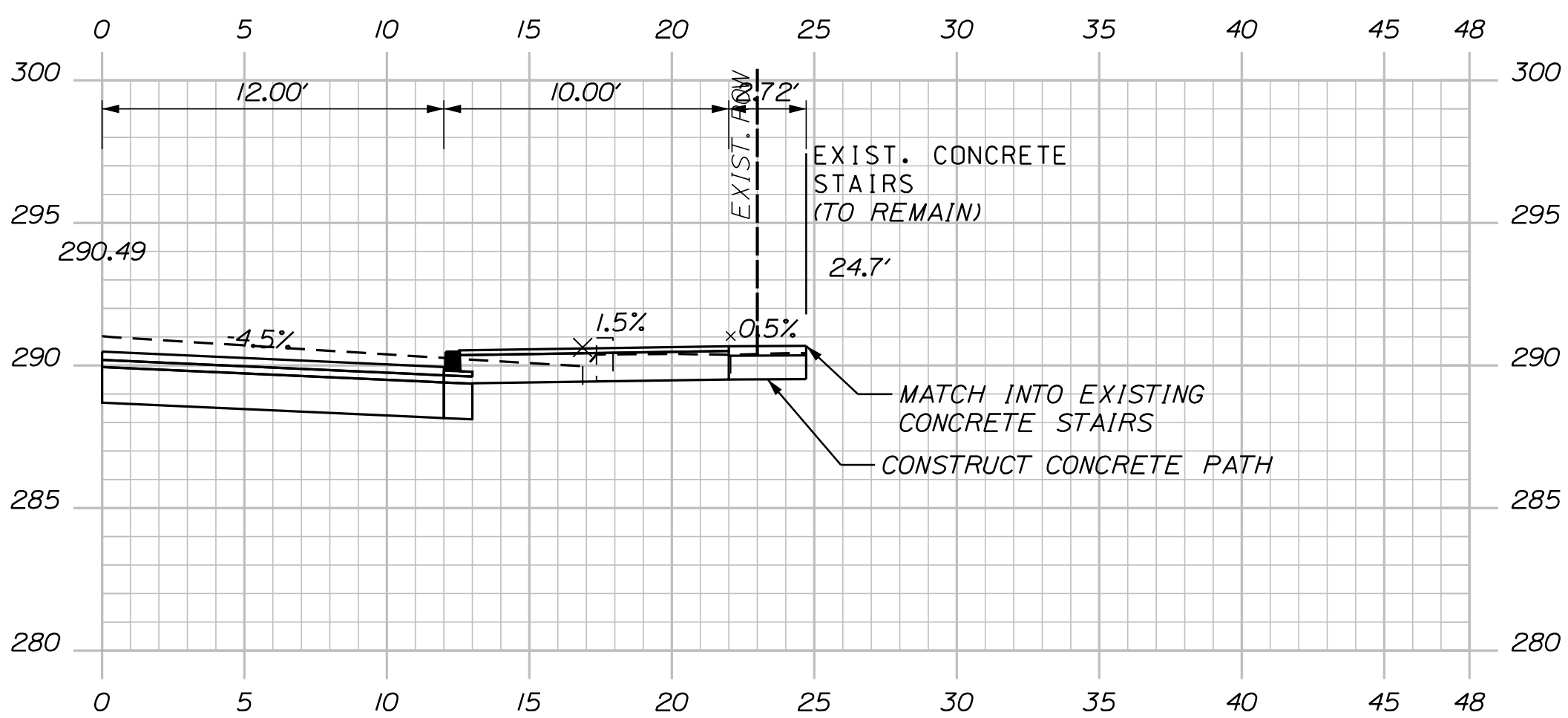
117+00.00 (RESIDENTIAL PAVED ENTRANCE)



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	08\24
CHECKED-REVIEWED	J. WINCHENBACH	ETTINGER	08\24
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

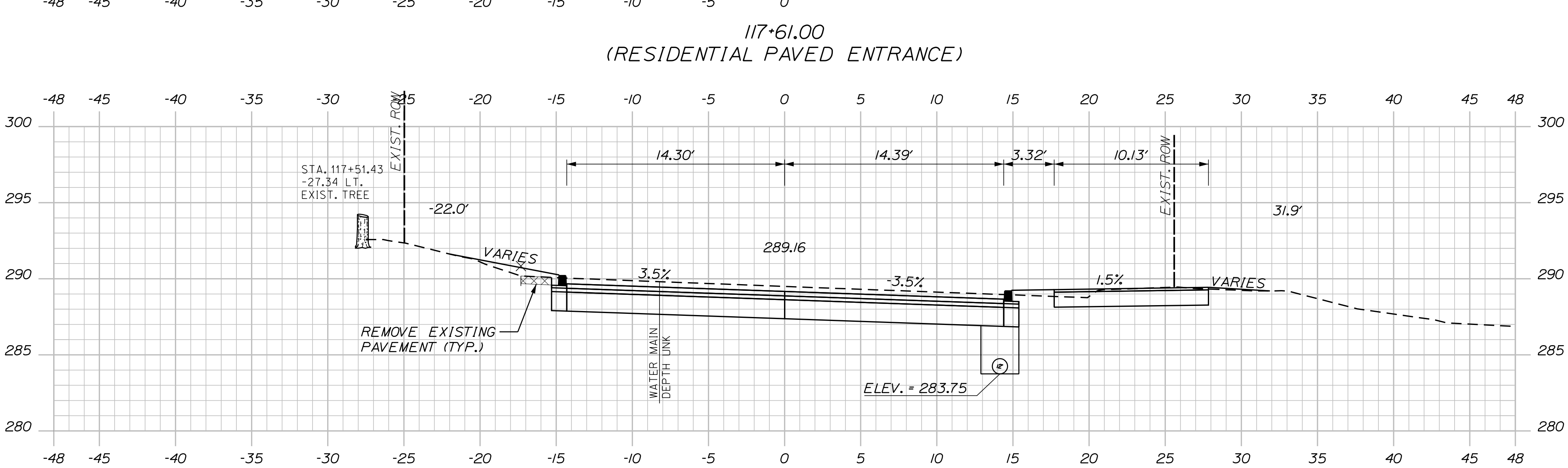
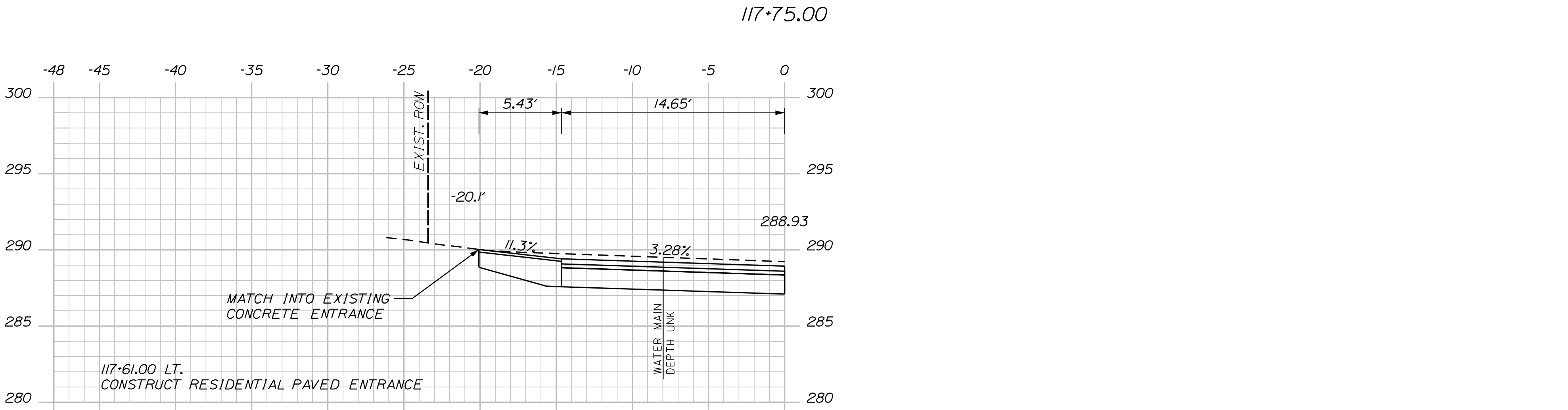
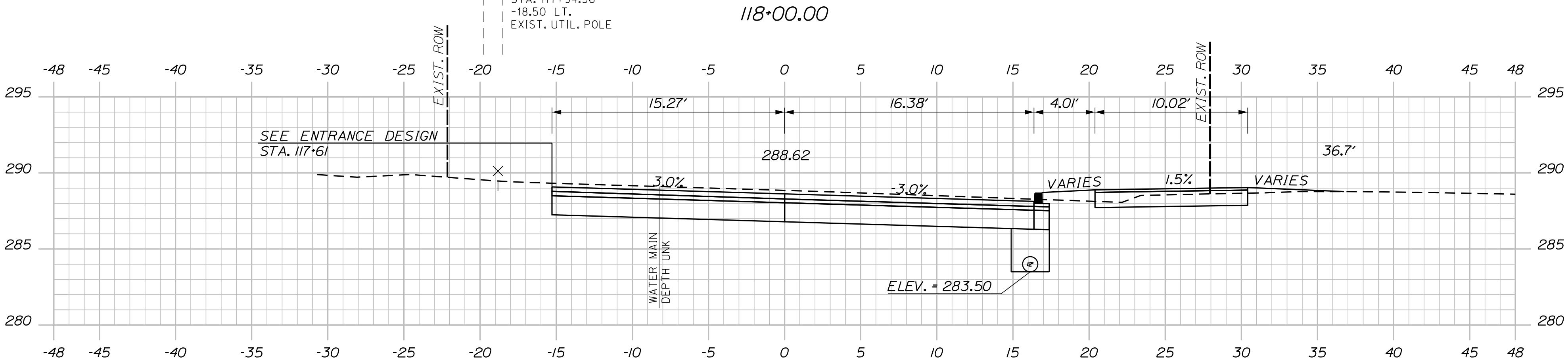
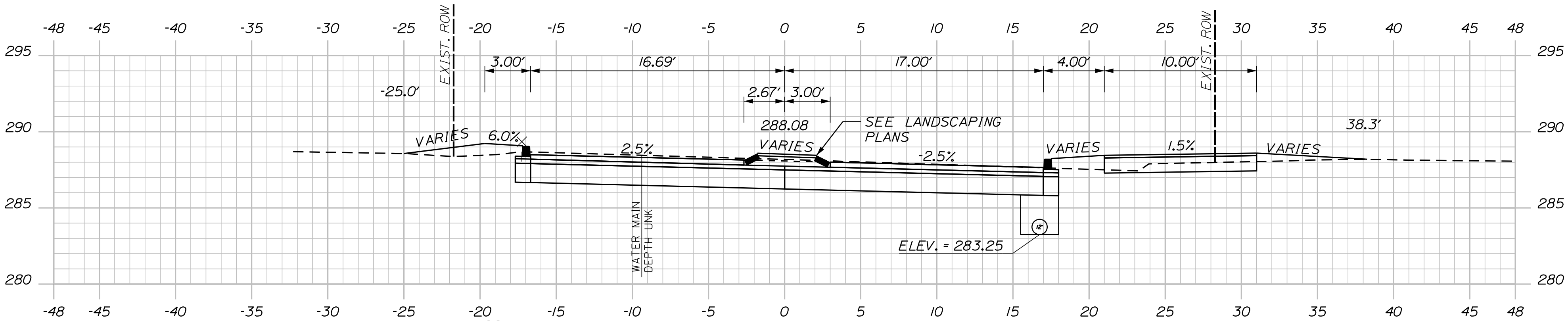
SHEET NUMBER

51

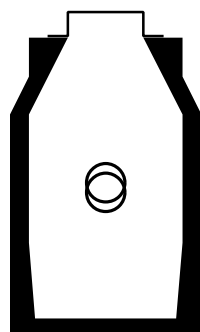
OF 84

Sta. 116+54.00 to Sta. 117+00.00

U:\\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

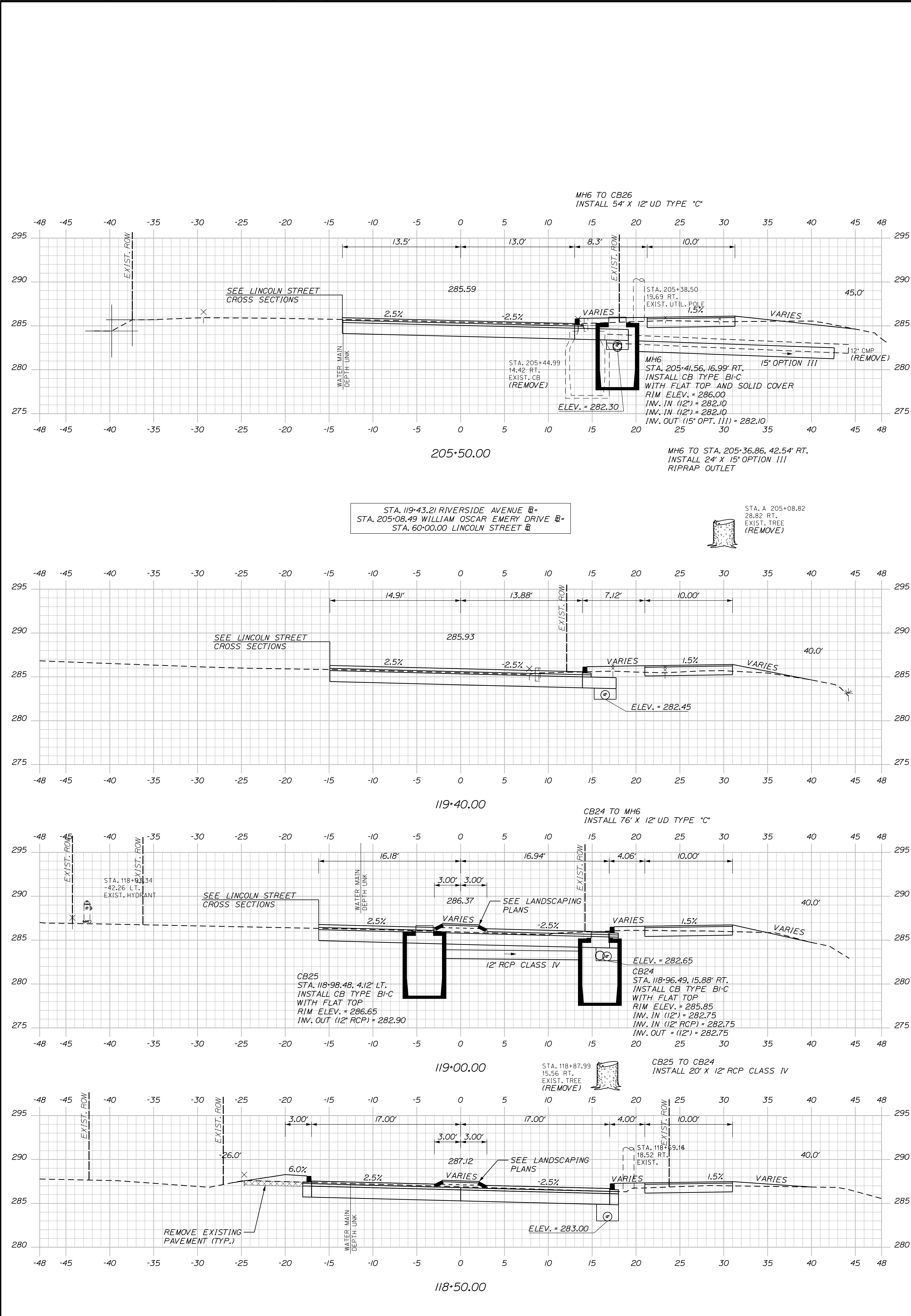


STA. 117+25.86
29.67 RT.
EXIST. TREE
STA. 117+41.70
33.09 RT.
EXIST. TREE

Sta. 117+32.00 to Sta. 118+00.00

OF 84	SHEET NUMBER 52	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	08\24		
			CHECKED-REVIEWED	J. WINCHENBACH	B. ETTINGER	08\24		
			DESIGN2-DETAILED2	-	-	-		
			DESIGN3-DETAILED3	-	-	-		
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

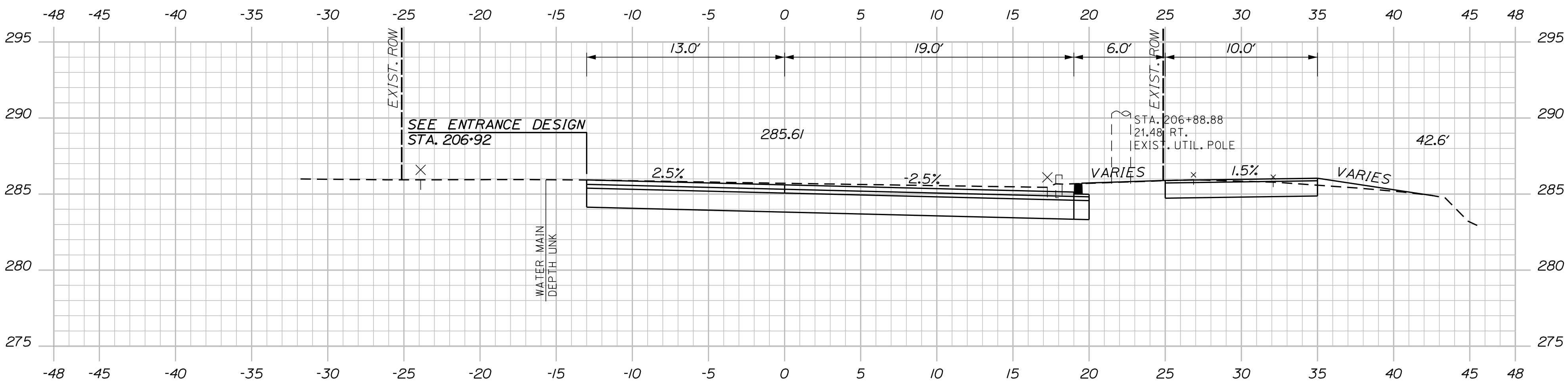
U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



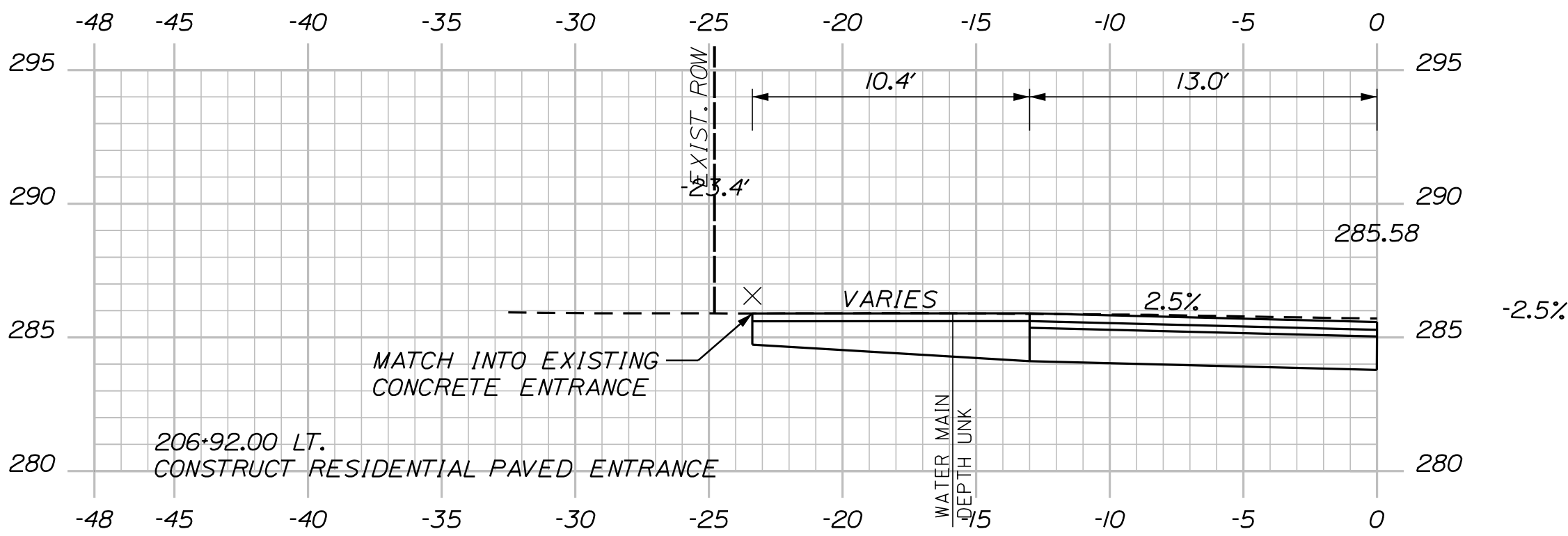
Sta. 118+50.00 to Sta. 205+50.00

53 OF 84	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	08\24	
			CHECKED-REVIEWED				J. WINCHENBACH	B. ETTINGER	08\24	
			DESIGN2-DETAILED2				-	-	-	
	CROSS SECTIONS	DESIGN3-DETAILED3				-	-	-	SIGNATURE	
		REVISIONS 1				-	-	-	P.E. NUMBER	
		REVISIONS 2				-	-	-	DATE	
		REVISIONS 3				-	-	-		
		REVISIONS 4				-	-	-		
		FIELD CHANGES				-	-	-		

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

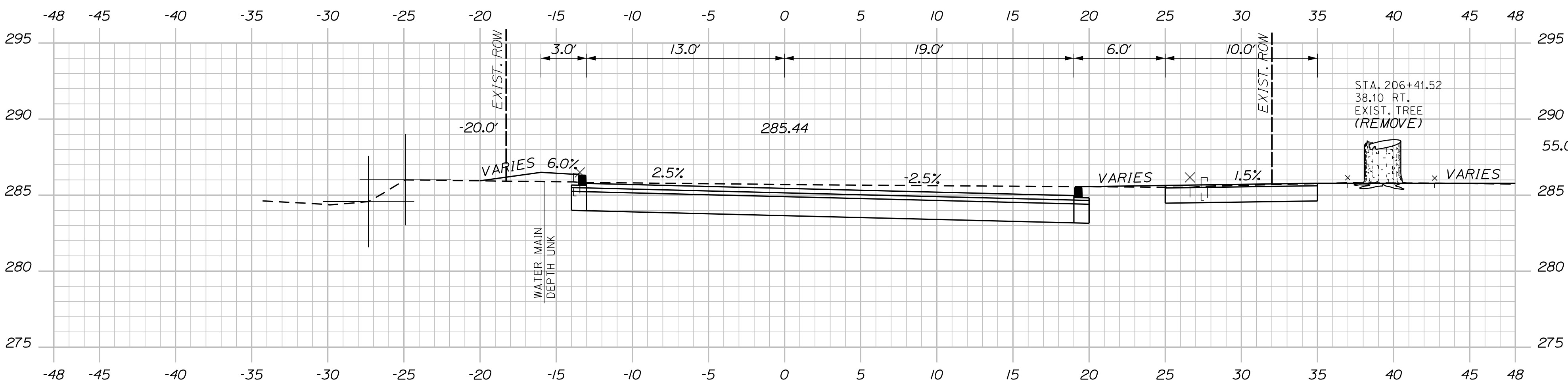


207+00.00

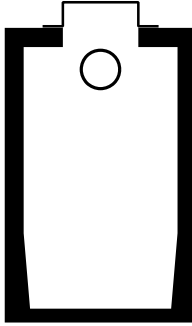


(RESIDENTIAL PAVED ENTRANCE)

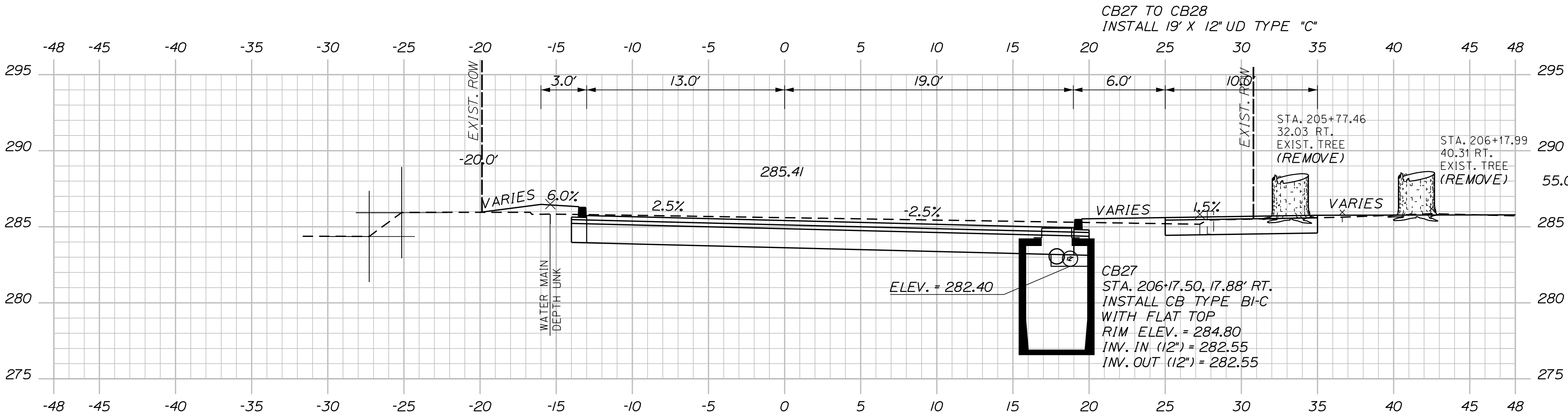
206+92.00



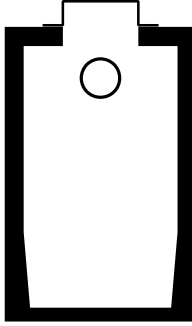
206+50.00



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
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

CB27 TO CB28
INSTALL 19' X 12" UD TYPE "C"

CB27
STA. 206+17.50, 17.88' RT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 284.80
INV. IN (12") = 282.55
INV. OUT (12") = 282.55

STA. 205+77.46
32.03 RT.
EXIST. TREE
(REMOVE)

STA. 206+17.99
40.31 RT.
EXIST. TREE
(REMOVE)

CB27 TO CB28
INSTALL 19' X 12" UD TYPE "C"

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

STA. 206+41.52
38.10 RT.
EXIST. TREE
(REMOVE)

STA. 206+00.00 to STA. 207+00.00

SHEET NUMBER
54
OF 84

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
CROSS SECTIONS

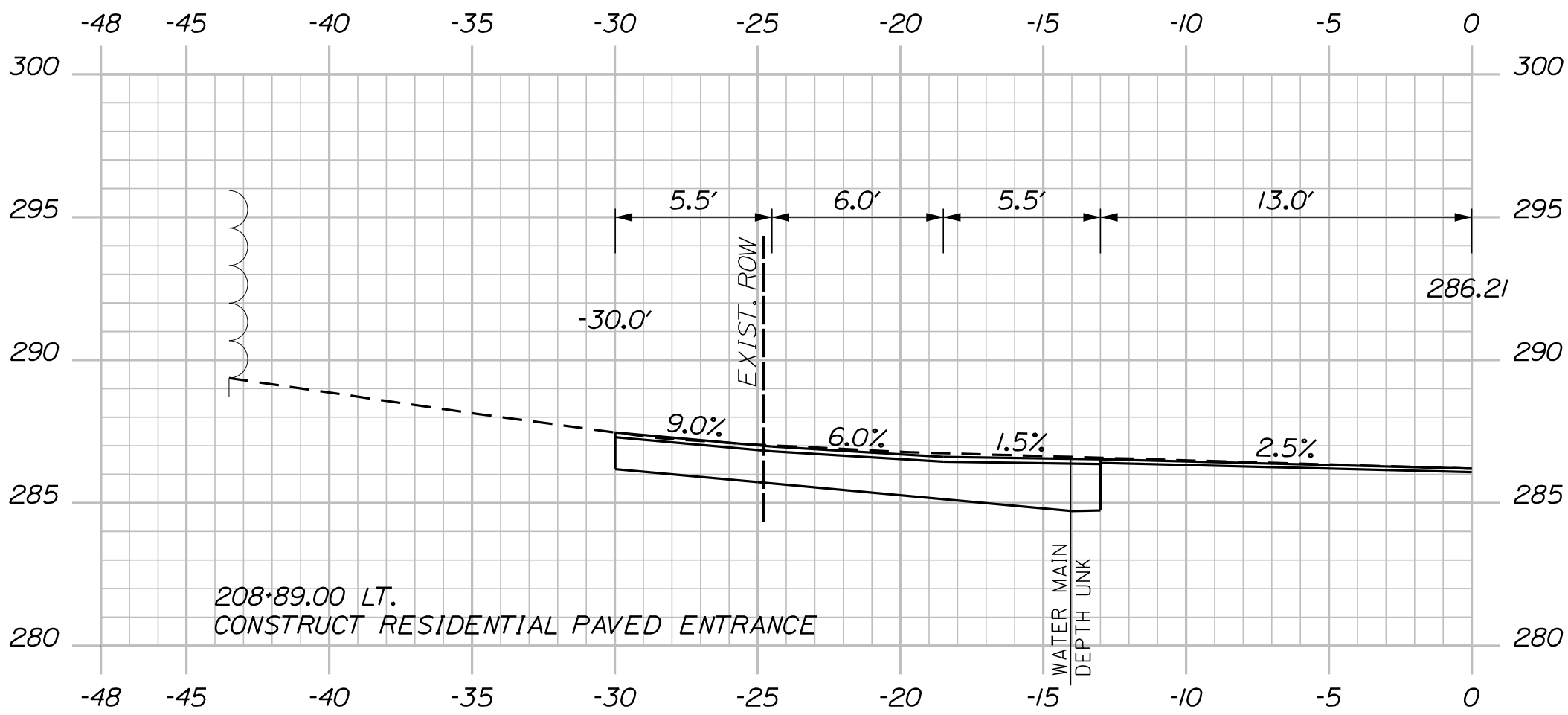
PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24
CHECKED-REVIEWED	J. WINCHENBACH	B. ETTINGER	08\24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE
P.E. NUMBER
DATE

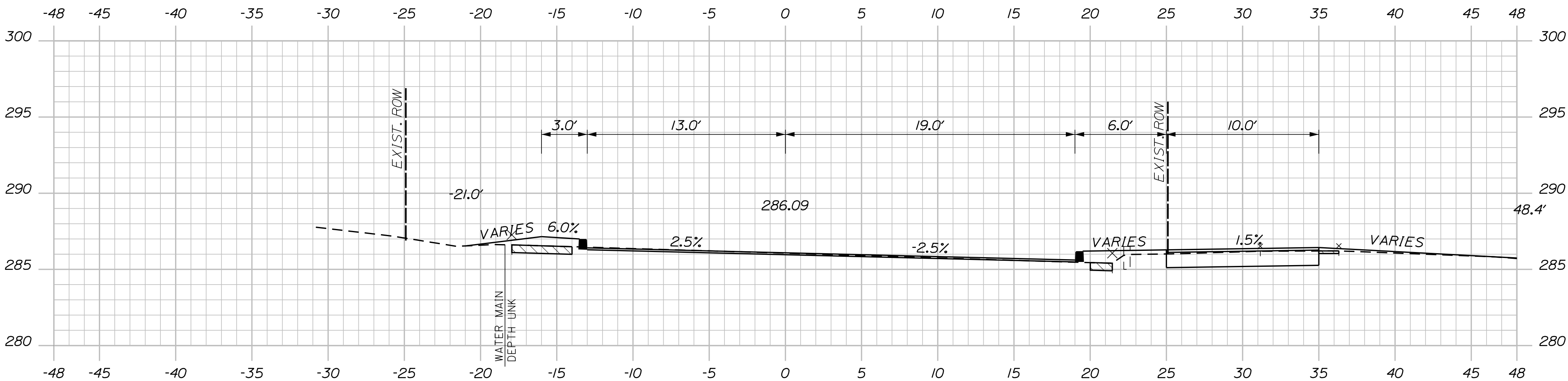
CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

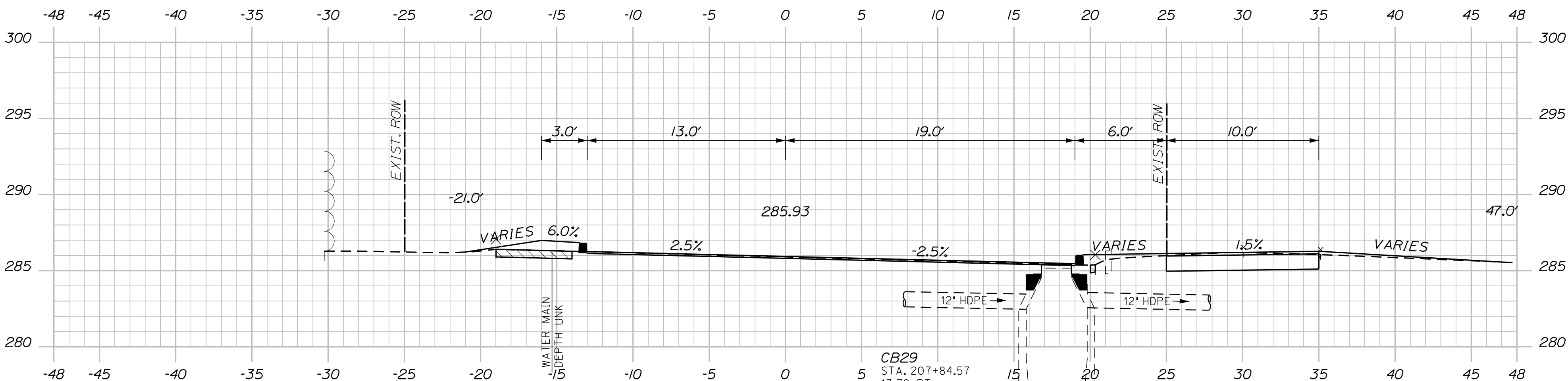
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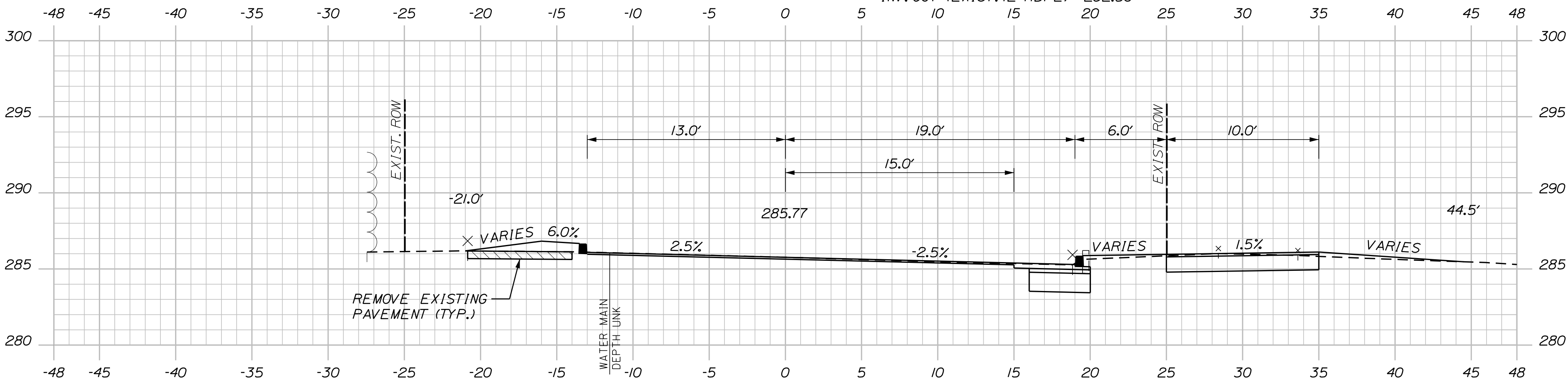
208+89.00
(RESIDENTIAL PAVED ENTRANCE)



208+50.00



208+00.00

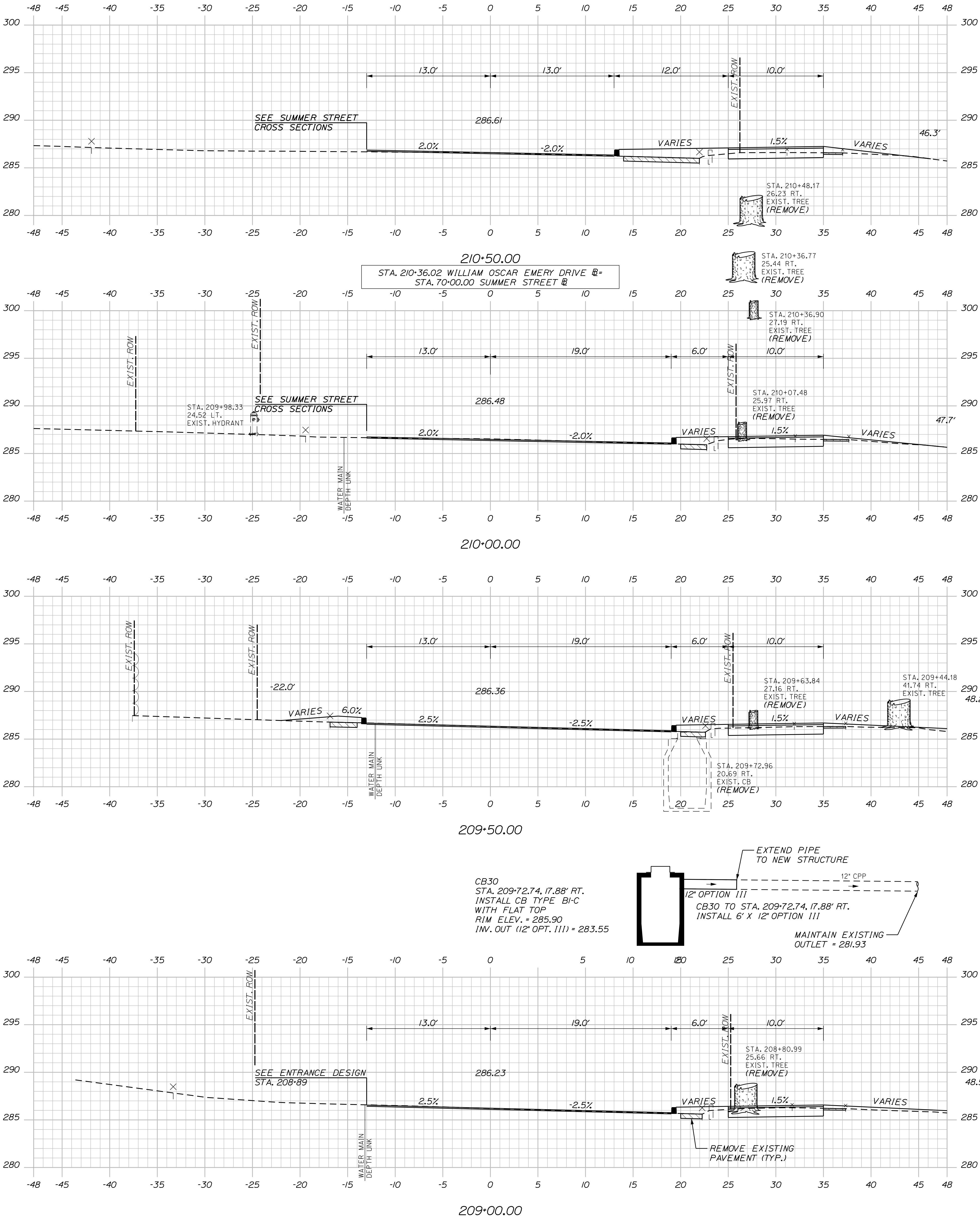


207+50.00

Sta. 207+50.00 to Sta. 208+89.00

OF 84	SHEET NUMBER 55	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	08\24		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24		
			DESIGN2-DETAILED2	-	-	-		
			DESIGN3-DETAILED3	-	-	-		
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

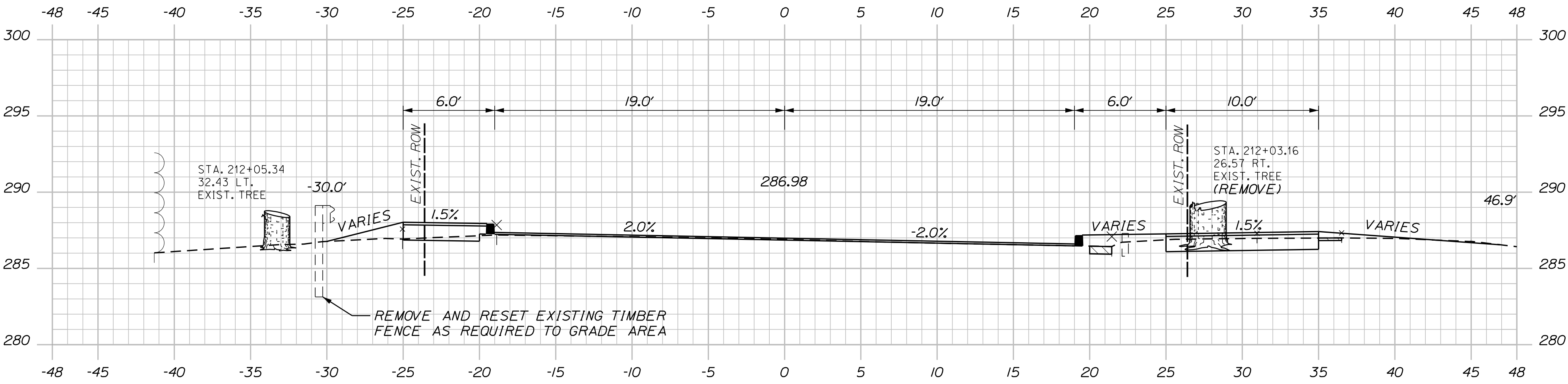
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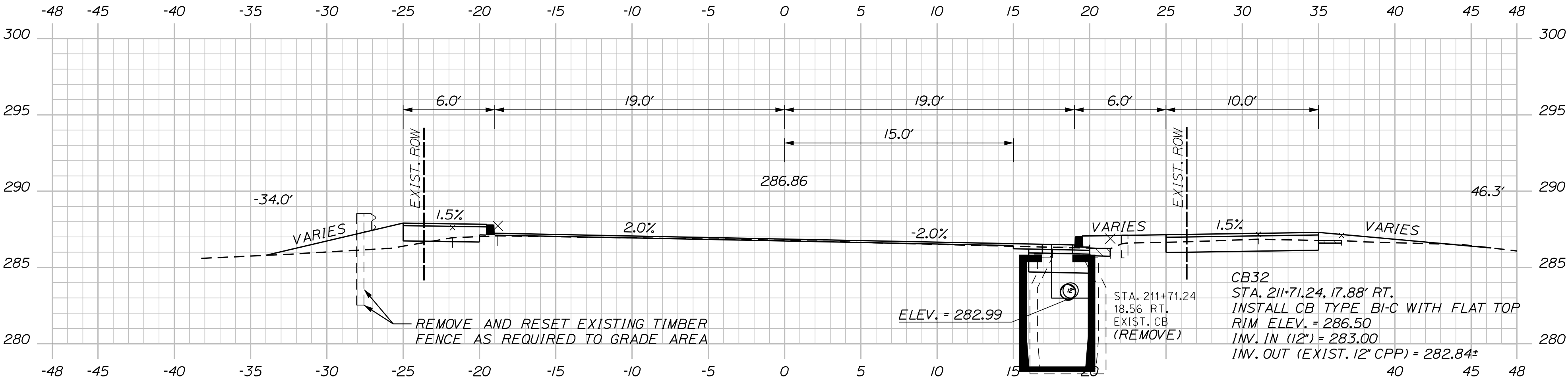
Sta. 209+00.00 to Sta. 210+50.00

OF 84	SHEET NUMBER	56	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	08\24		
				CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24		
				DESIGN2-DETAILED2	-	-	-		
	CROSS SECTIONS			DESIGN3-DETAILED3	-	-	-	P.E. NUMBER	WIN 025335.00
				REVISIONS 1	-	-	-		
				REVISIONS 2	-	-	-		
				REVISIONS 3	-	-	-		
				REVISIONS 4	-	-	-	DATE	
				FIELD CHANGES	-	-	-		

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

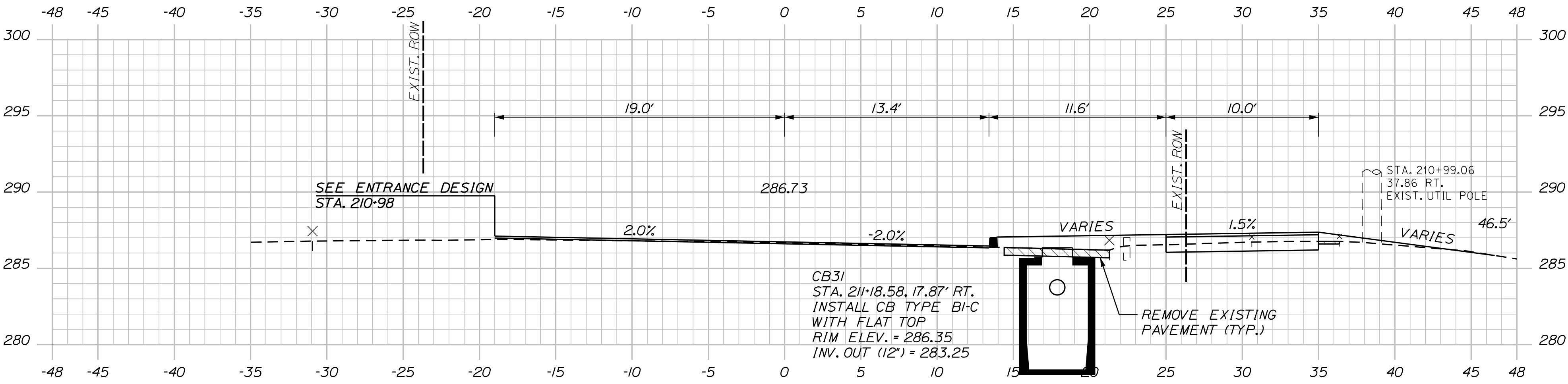


212+00.00

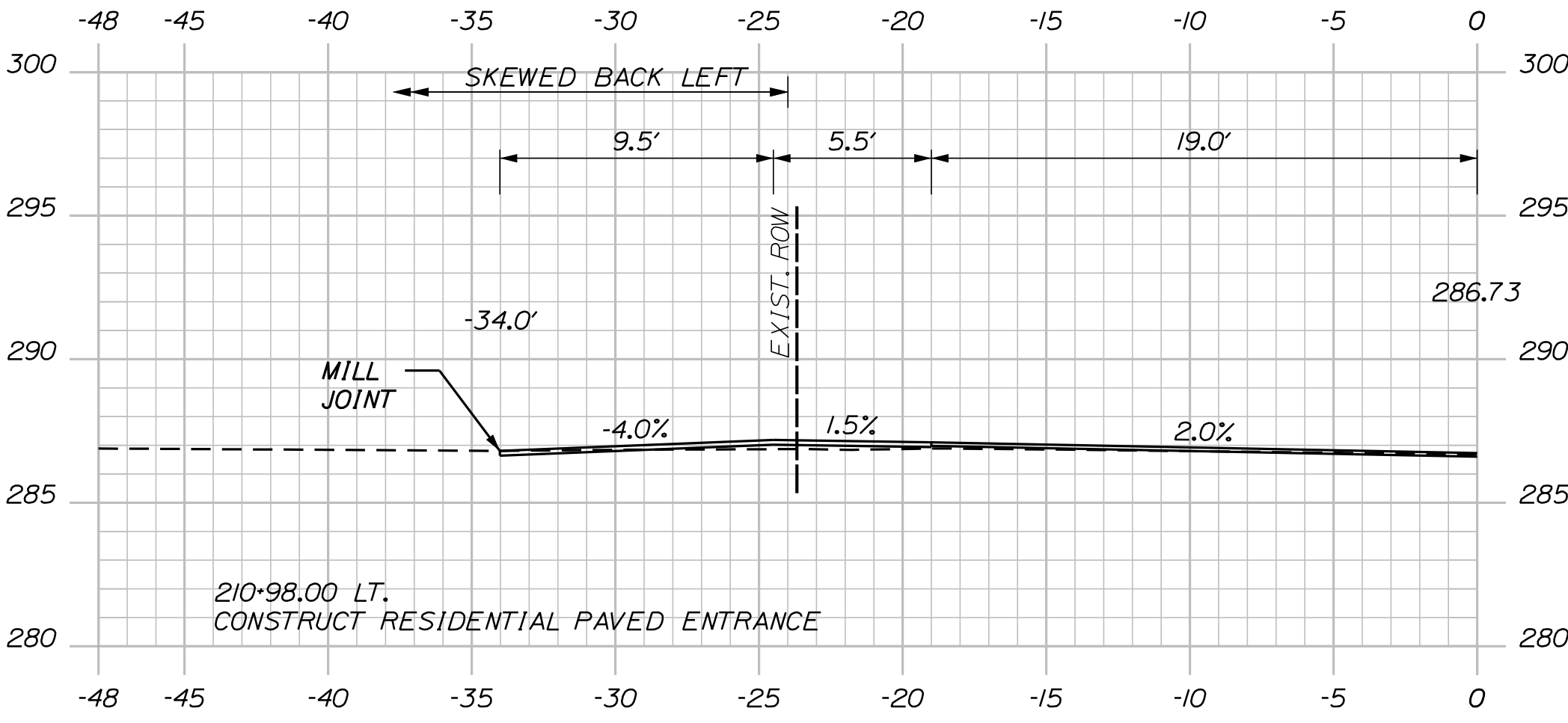


211+50.00

CB31 TO CB32
INSTALL 49' X 12" UD TYPE "C"



211+00.00

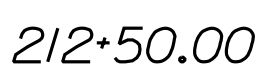
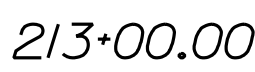
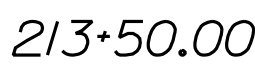
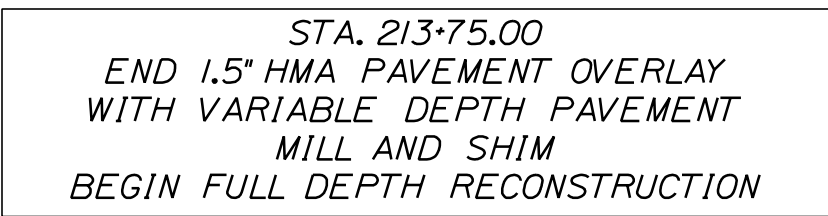


210+98.00

(RESIDENTIAL PAVED ENTRANCE)

Sta. 210+98.00 to Sta. 212+00.00

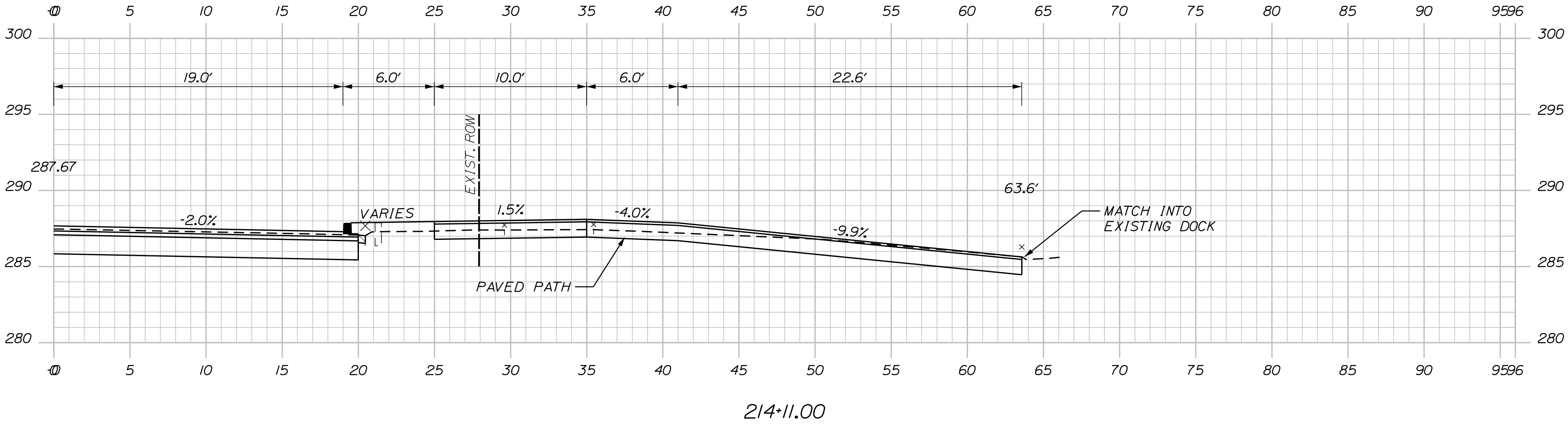
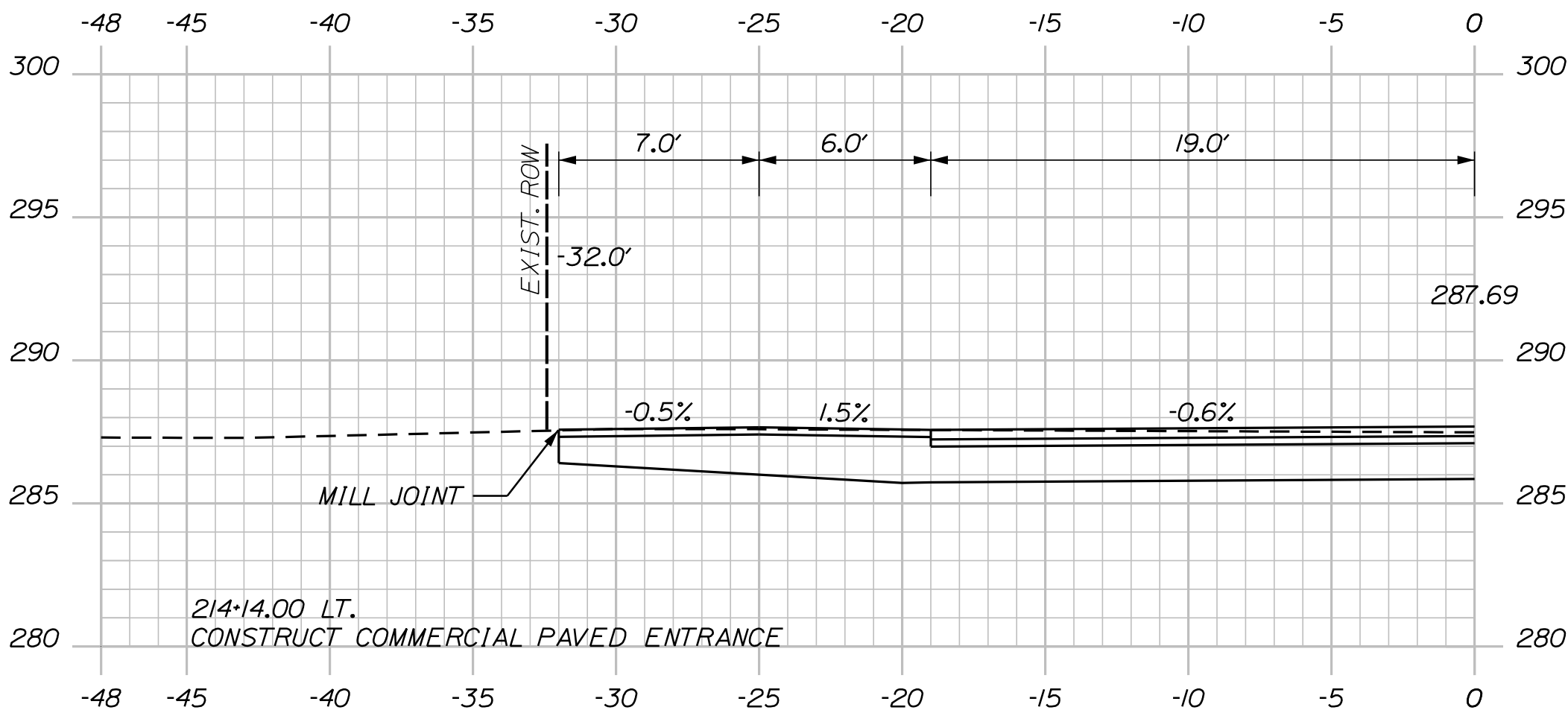
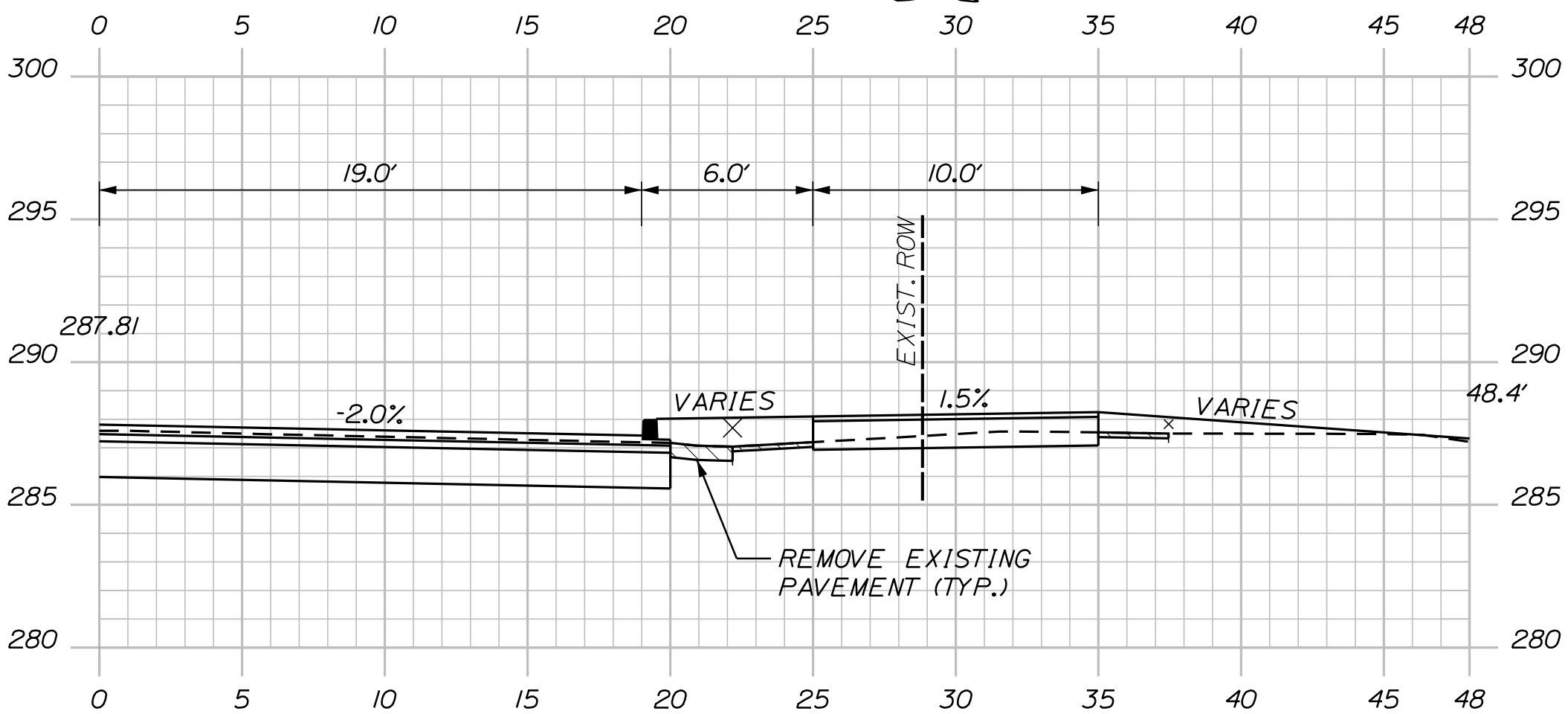
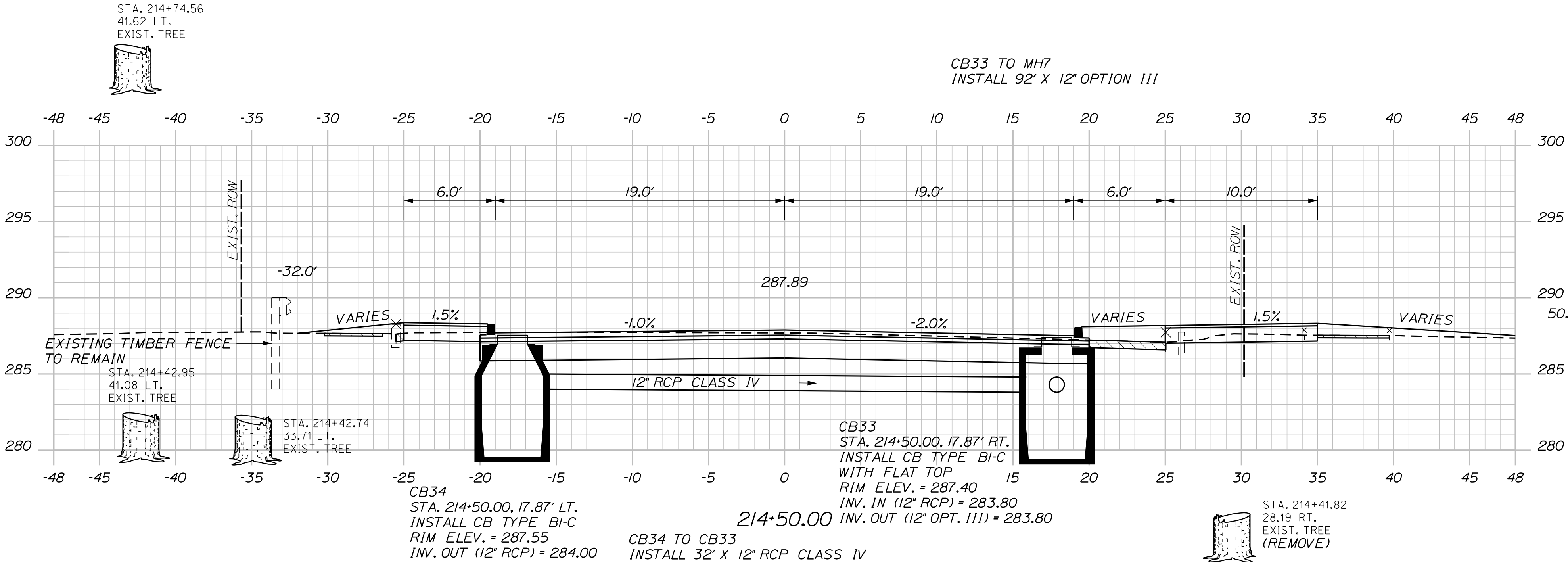
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Sta. 212+50.00 to Sta. 214+00.00

OF 84	58	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE				<table><tr><td>PROJ. MANAGER</td><td>M. HILL</td><td>BY</td><td>DATE</td></tr><tr><td>DESIGN-DETAILED</td><td>T. WARREN</td><td>M.CUNDIFF</td><td>08/24</td></tr><tr><td>CHECKED-REVIEWED</td><td>J.WINCENBACH</td><td>D. ETTINGER</td><td>08/24</td></tr><tr><td>DESIGN2-DETAILED2</td><td>-</td><td>-</td><td>-</td></tr><tr><td>DESIGN3-DETAILED3</td><td>-</td><td>-</td><td>-</td></tr><tr><td>REVISIONS 1</td><td>-</td><td>-</td><td>-</td></tr><tr><td>REVISIONS 2</td><td>-</td><td>-</td><td>-</td></tr><tr><td>REVISIONS 3</td><td>-</td><td>-</td><td>-</td></tr><tr><td>REVISIONS 4</td><td>-</td><td>-</td><td>-</td></tr><tr><td>FIELD CHANGES</td><td>-</td><td>-</td><td>-</td></tr></table>				PROJ. MANAGER	M. HILL	BY	DATE	DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24	CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	08/24	DESIGN2-DETAILED2	-	-	-	DESIGN3-DETAILED3	-	-	-	REVISIONS 1	-	-	-	REVISIONS 2	-	-	-	REVISIONS 3	-	-	-	REVISIONS 4	-	-	-	FIELD CHANGES	-	-	-	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073			
			PROJ. MANAGER	M. HILL	BY	DATE																																																
			DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24																																																
			CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	08/24																																																
			DESIGN2-DETAILED2	-	-	-																																																
			DESIGN3-DETAILED3	-	-	-																																																
			REVISIONS 1	-	-	-																																																
			REVISIONS 2	-	-	-																																																
			REVISIONS 3	-	-	-																																																
			REVISIONS 4	-	-	-																																																
FIELD CHANGES	-	-	-																																																			
CROSS SECTIONS				SIGNATURE				WIN 025335.00																																														
				P.E. NUMBER																																																		
				DATE																																																		

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



Sta. 214+11.00 to Sta. 214+50.00

OF 84	SHEET NUMBER 59	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	08\24		
			CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24		
			DESIGN2-DETAILED2	-	-	-		
			DESIGN3-DETAILED3	-	-	-		
			REVISIONS 1	-	-	-		
			REVISIONS 2	-	-	-		
			REVISIONS 3	-	-	-		
			REVISIONS 4	-	-	-		
			FIELD CHANGES	-	-	-		

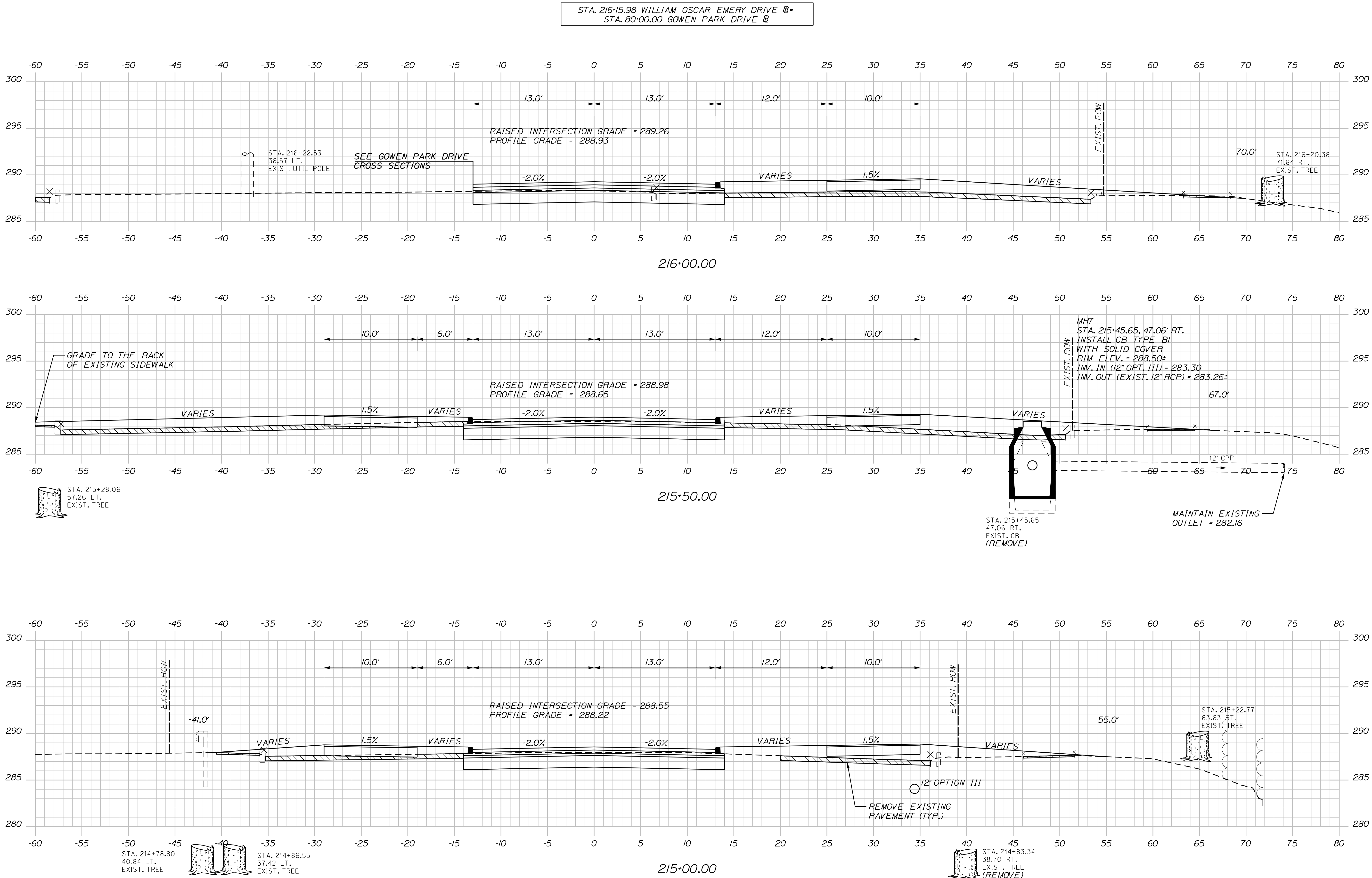
Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

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

U:\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
CHECKED-DETAILED	T. WARREN	M. CUNDIFF	08/24
DESIGNED-DETAILED	J. WINTERBACH	D. EITINGER	08/24
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

CROSS SECTIONS

SHEET NUMBER

60

OF 84

Sta. 215+00.00 to Sta. 216+00.00

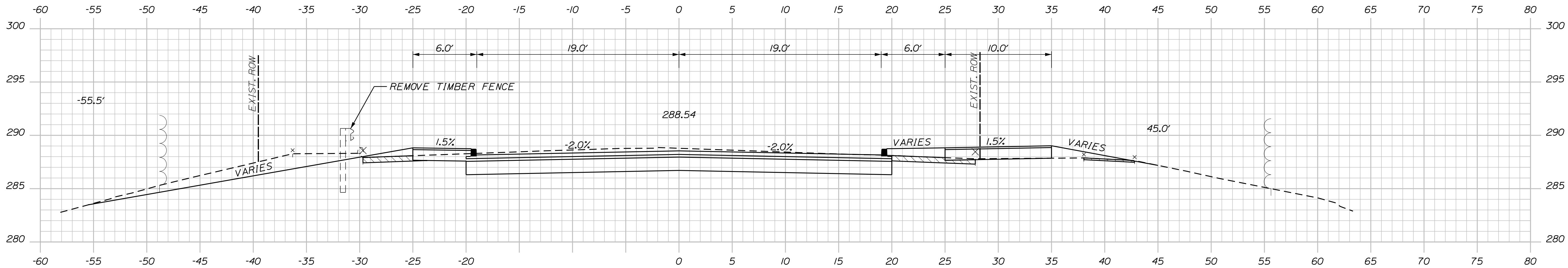
Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

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

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



CB36 TO CB38
INSTALL 36' X 12" UD TYPE "C"

217+50.00

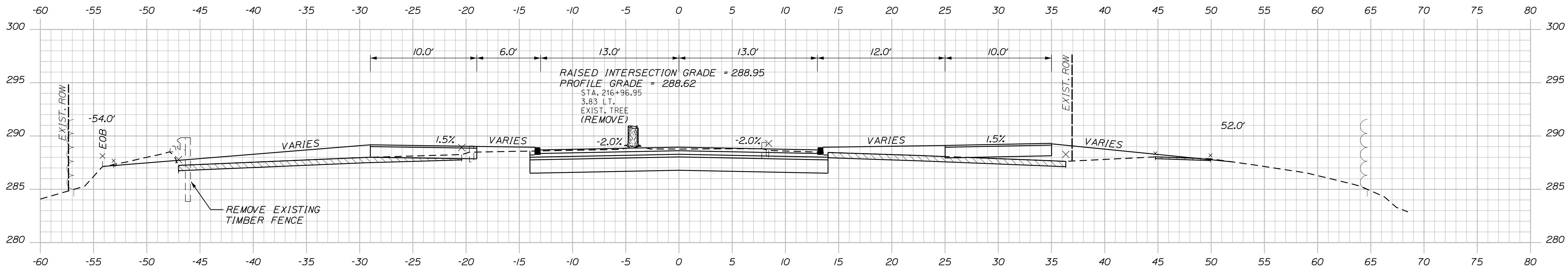
CB35 TO CB37
INSTALL 36' X 12" UD TYPE "C"

CB36 TO STA. 217+40.23, LT.
INSTALL 24' X 15" OPTION III
RIPRAP OUTLET

CB36
STA. 217+40.23, 17.88' LT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 288.10
INV. IN (12" RCP) = 284.50
INV. IN (12") = 284.50
INV. OUT (15" OPT. III) = 284.20

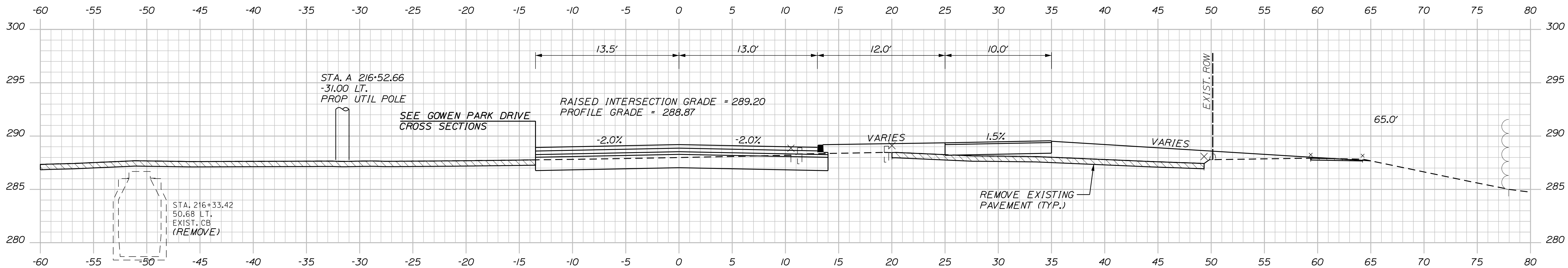
CB35
STA. 217+40.23, 17.88' RT.
INSTALL CB TYPE BI-C
WITH FLAT TOP
RIM ELEV. = 288.10
INV. IN (12") = 284.70
INV. OUT (12" RCP) = 284.70

CB36 TO CB35
INSTALL 32' X 12" RCP CLASS III



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

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



STA. A 216+52.66
-31.00 LT.
PROP UTIL POLE

SEE GOWEN PARK DRIVE
CROSS SECTIONS

REMOVE EXISTING
PAVEMENT (TYP.)

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED-Detailed	M. HILL	08/24			
CHECKED-Reviewed	T. WARREN	08/24			
DESIGNED-Detailed	M. CUNDIFF	08/24			
DESIGNED-Detailed	D. ETINGER	08/24			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

61

OF 84

Sta. 216+50.00 to Sta. 217+50.00

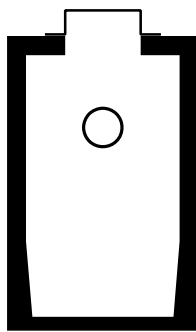
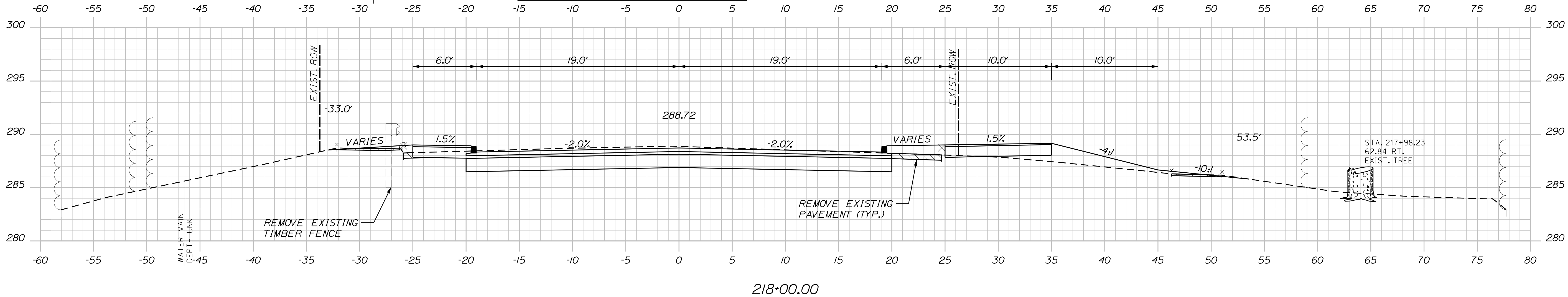
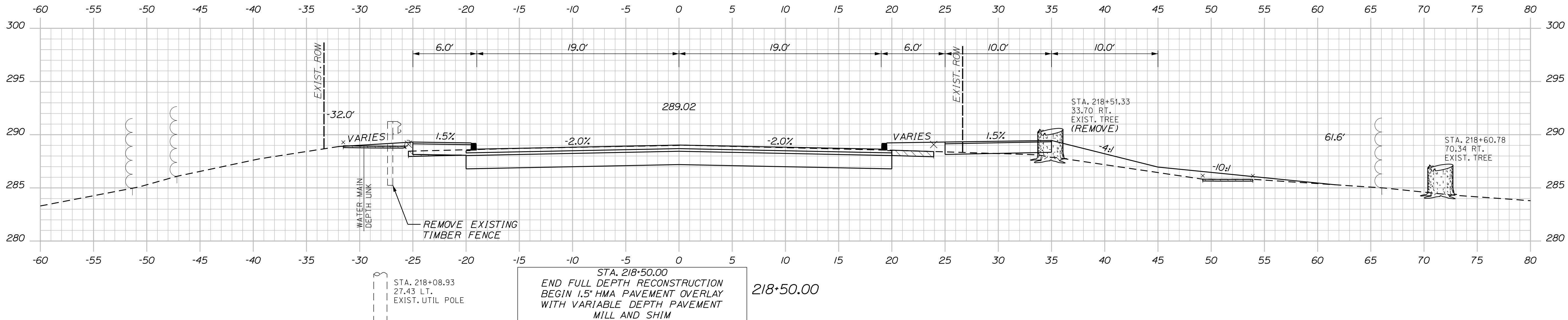
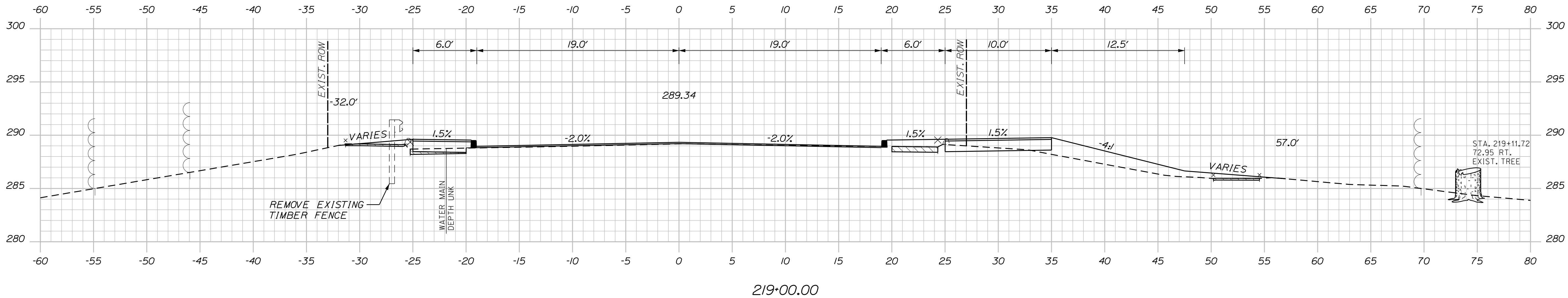
Date:9/3/2024

Username: Mike.Cundiff

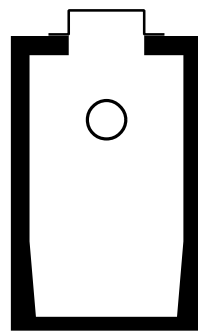
Division: HIGHWAY

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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	08/24	
CHECKED/REVIEWED	J. WILHELM	08/24	
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

62

OF 84

Sta. 218+00.00 to Sta. 219+00.00

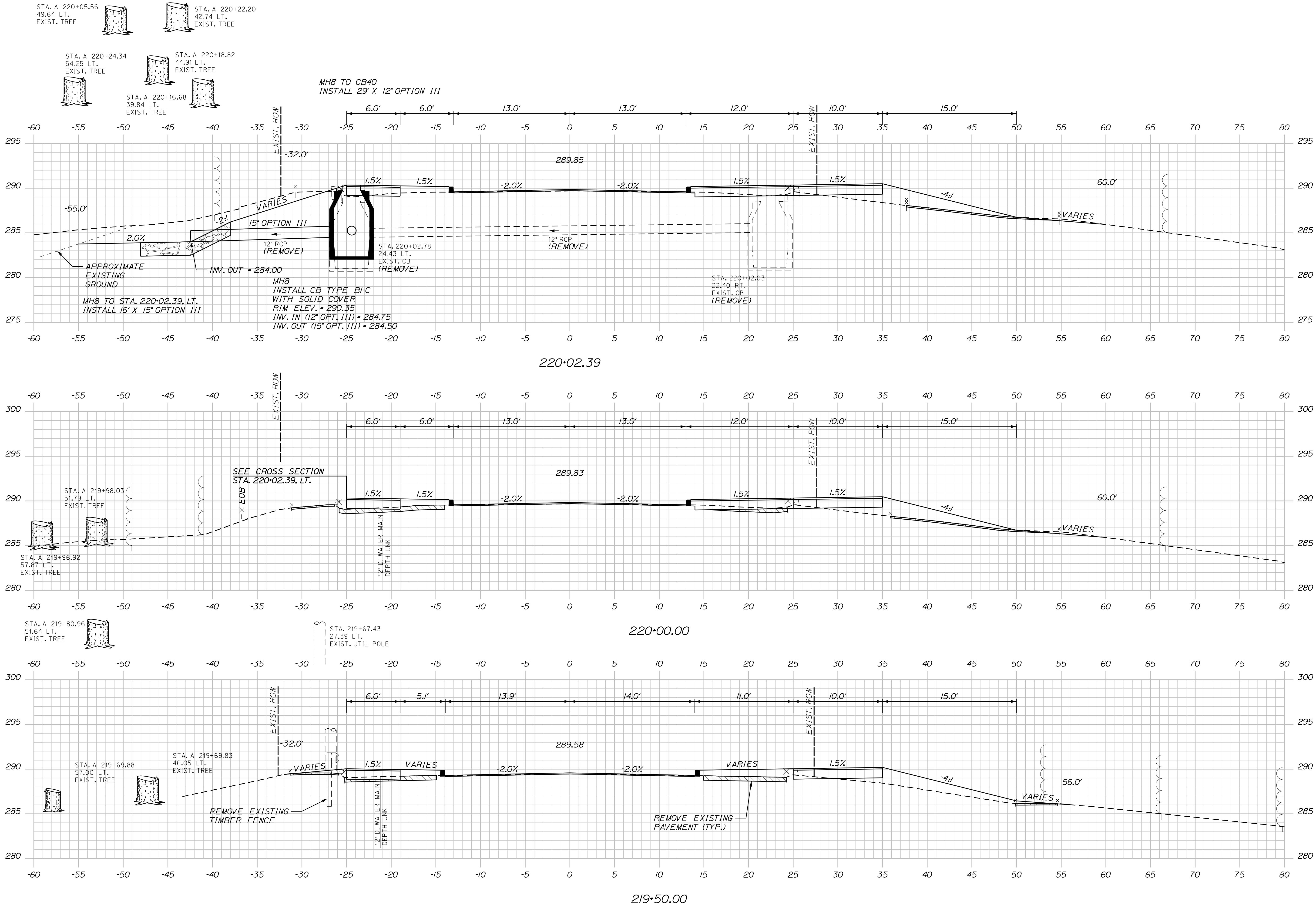
Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

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

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CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN-DETAILED	M. HILL	08/24	
CHECKED-REVIEWED	T. WARREN	08/24	
DESIGN-DETAILED	M. CUNDIFF	08/24	
DESIGN-DETAILED	D. EITINGER		

REVISIONS	P.E. NUMBER	DATE
1		
2		
3		
4		
FIELD CHANGES		

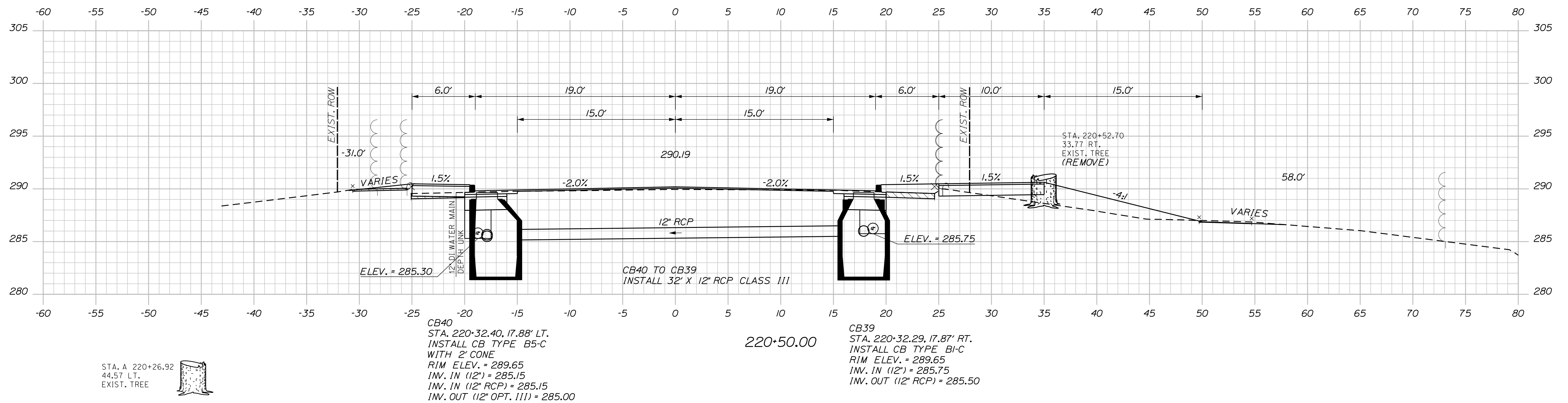
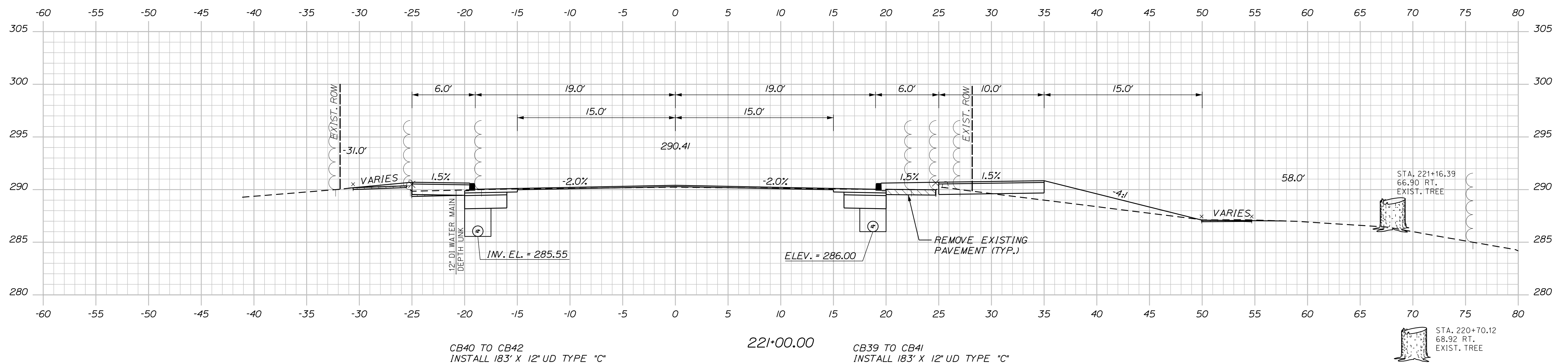
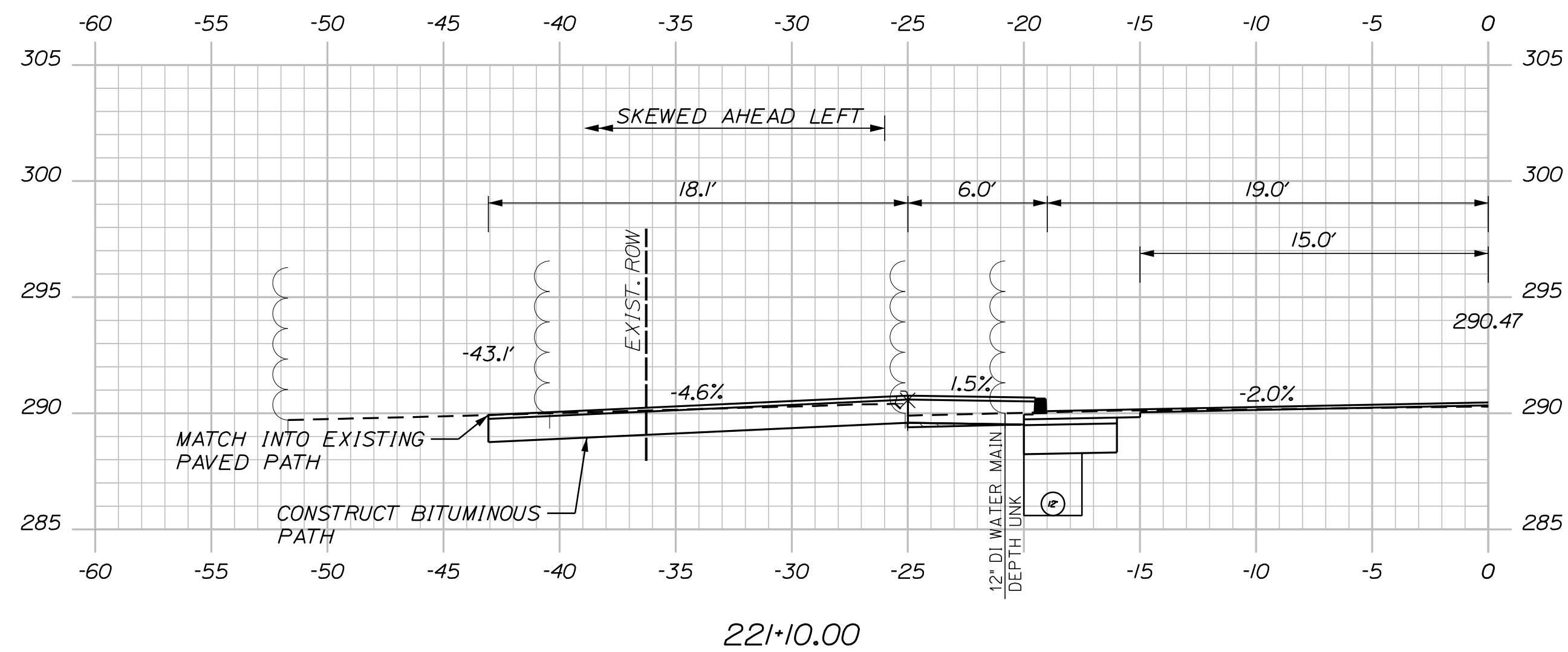
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER

63

OF 84



CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

DESIGN-DETAILED	T. WARREN	M.CUNIFFE	08-24
CHECKED-REVIEWED	J.MUNENBACH	D.ETTINGER	08-24
DESIGN2-DETAILED2	-	-	SIGNATURE
DESIGN3-DETAILED3	-	-	
DESIGN4-DETAILED4	-	-	
REVISIONS 1	-	-	P.E. NUMBER
REVISIONS 2	-	-	
REVISIONS 3	-	-	
REVISIONS 4	-	-	DATE
FIELD CHANGES	-	-	
FIELD CHANGES	-	-	

SANTO AND
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

HEET NUMBER

34

F 84

Sta. 220+50.00 to Sta. 221+10.00

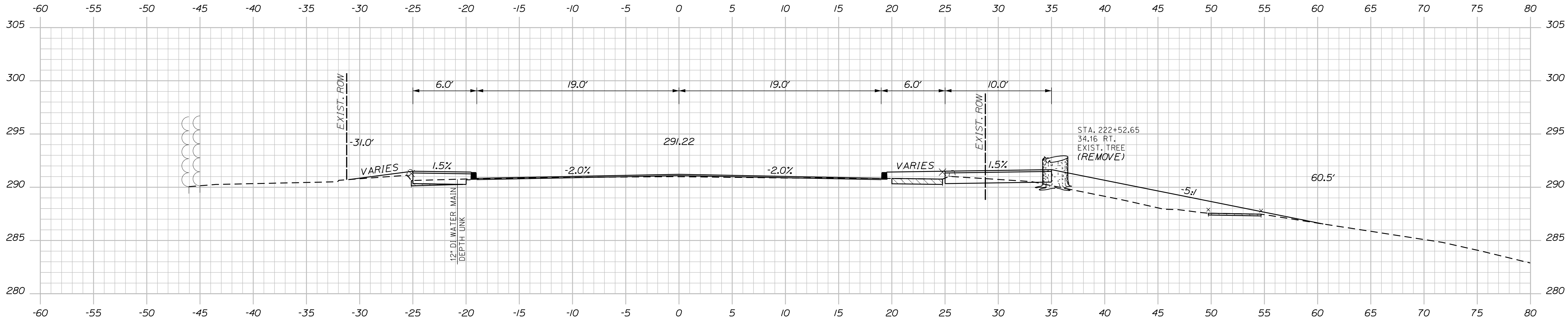
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Username: Mike.Cundiff

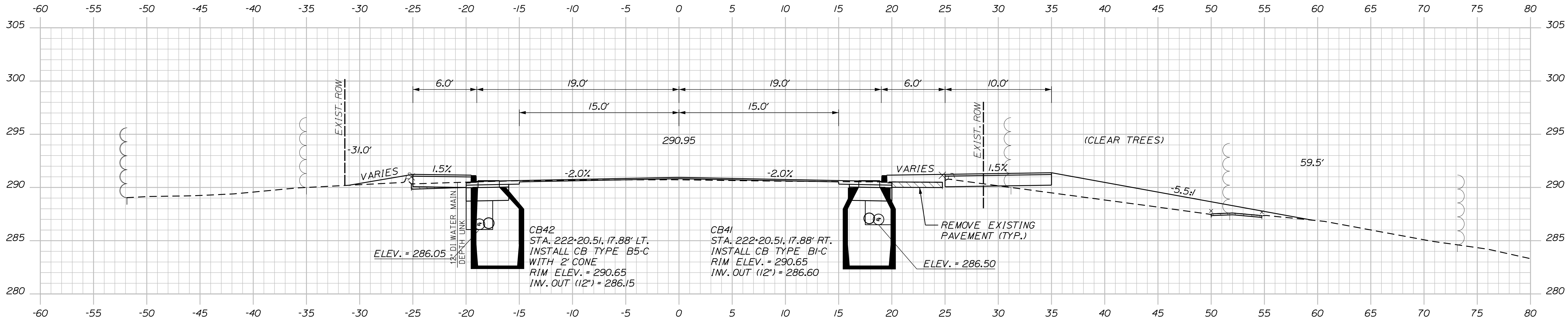
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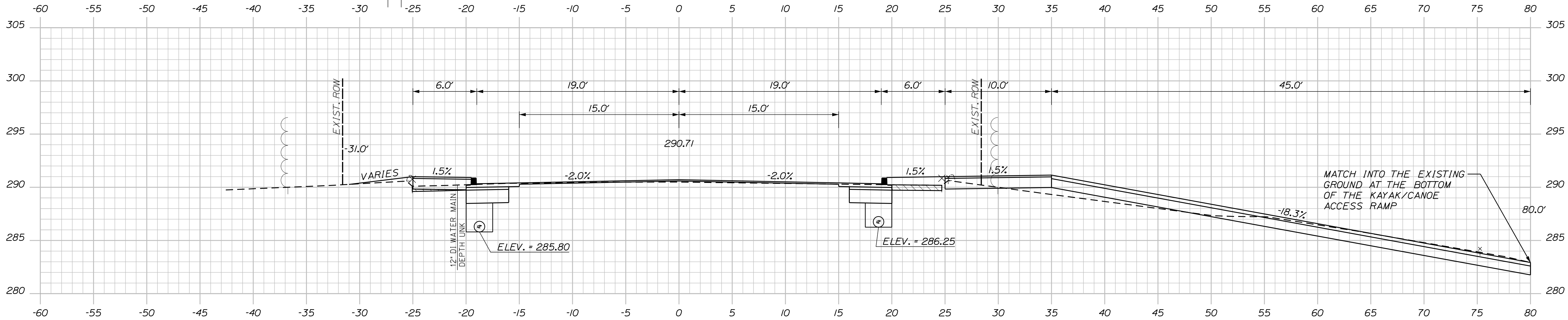
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222+50.00



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
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/24
CHECKED-REVIEWED	J. WILSON	D. ETINGER	08/24
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

65

OF 84

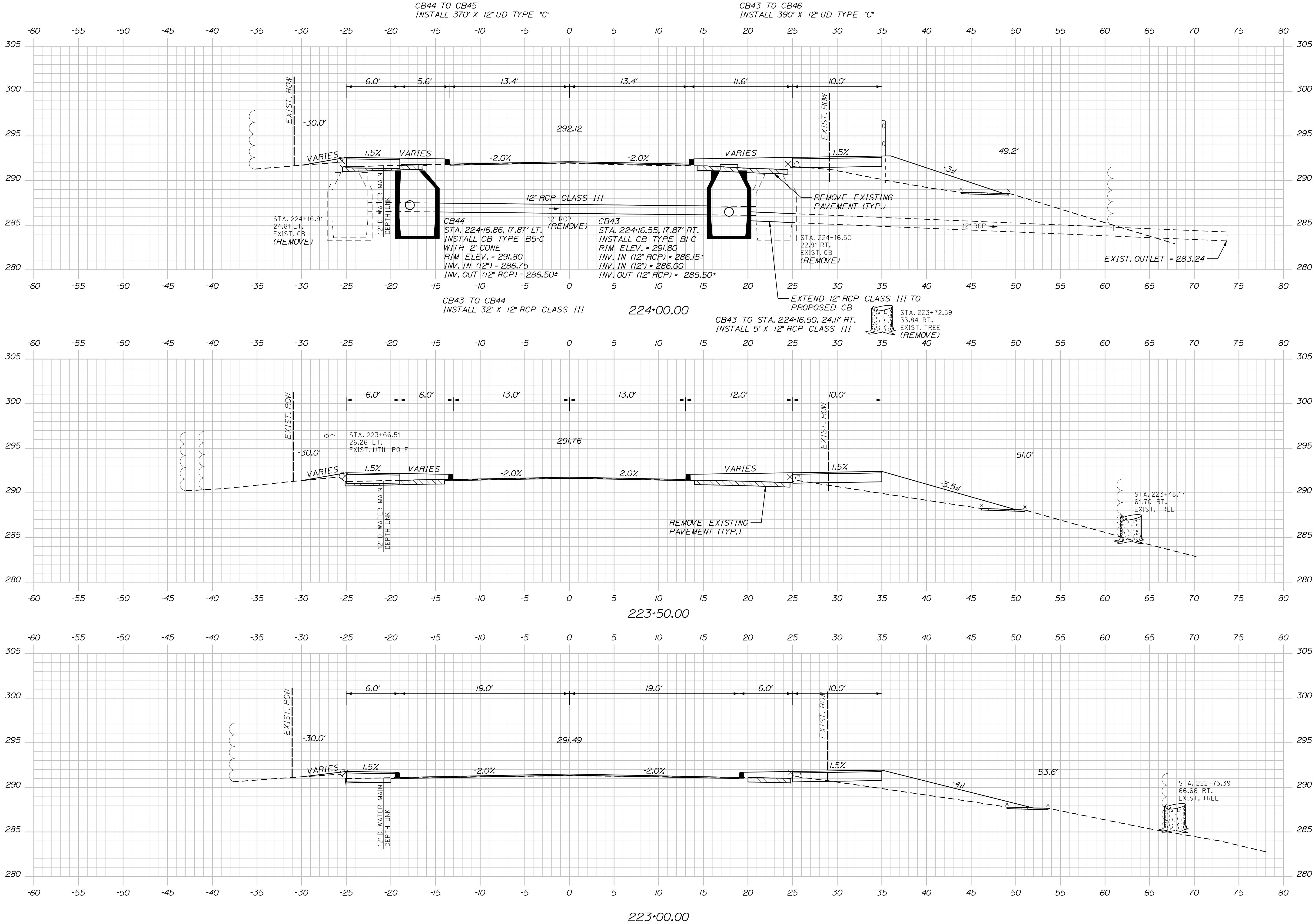
Date:9/3/2024

Username: Mike.Cundiff

Division: HIGHWAY

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

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



Sta. 223+00.00 to Sta. 224+00.00

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGNED-DETAILED	DESIGNED-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
M. HILL	T. WARREN	M. CUNDIFF	J. WILSON	D. ETINGER	-	-	-	-	-
DATE	08/24	08/24	-	-	-	-	-	-	-
BY	-	-	-	-	-	-	-	-	-
SIGNATURE	-	-	-	-	-	-	-	-	-
P.E. NUMBER	-	-	-	-	-	-	-	-	-
DATE	-	-	-	-	-	-	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

SHEET NUMBER
66
OF 84

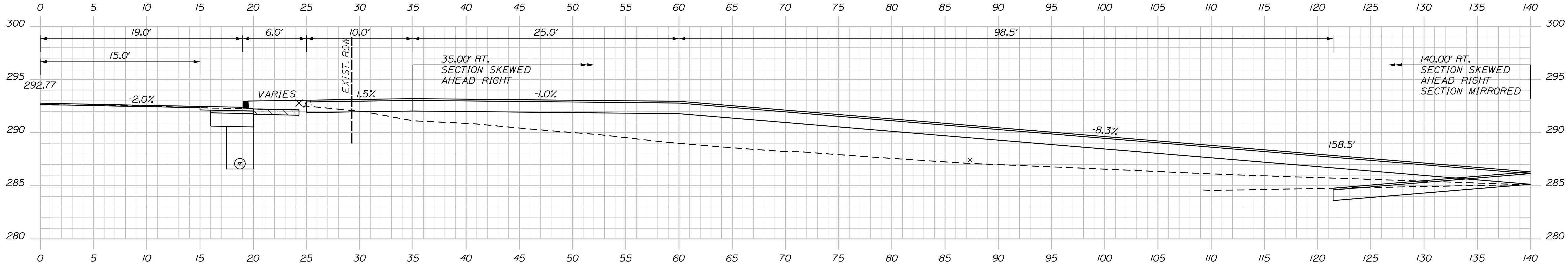
Date:9/3/2024

Username: Mike.Cundiff

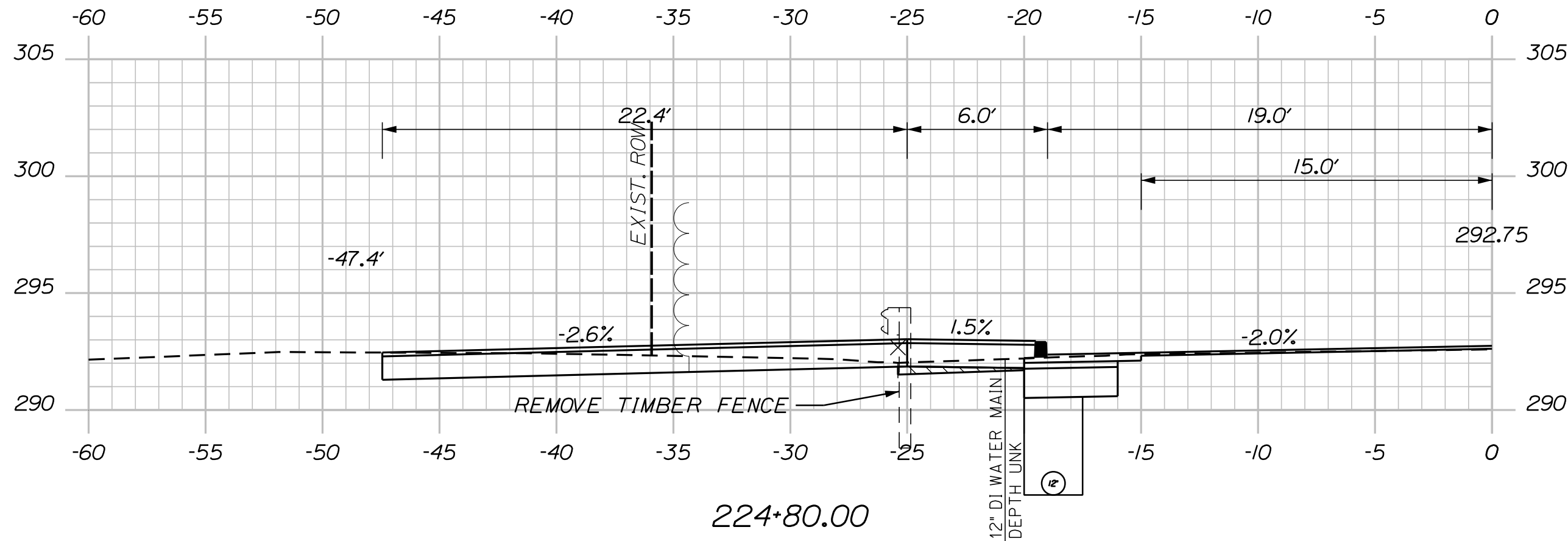
Division: HIGHWAY

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

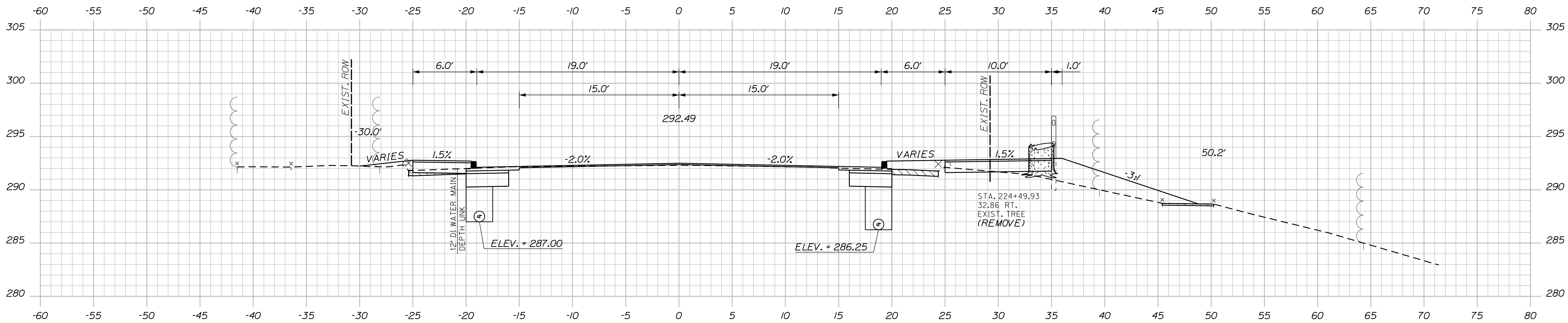
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224+83.00 (SKEWED DOWN TRAIL)



224+80.00



224+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	08/24
DESIGN-REVIEWED	J. WILHELM	D. ETINGER	08/24
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

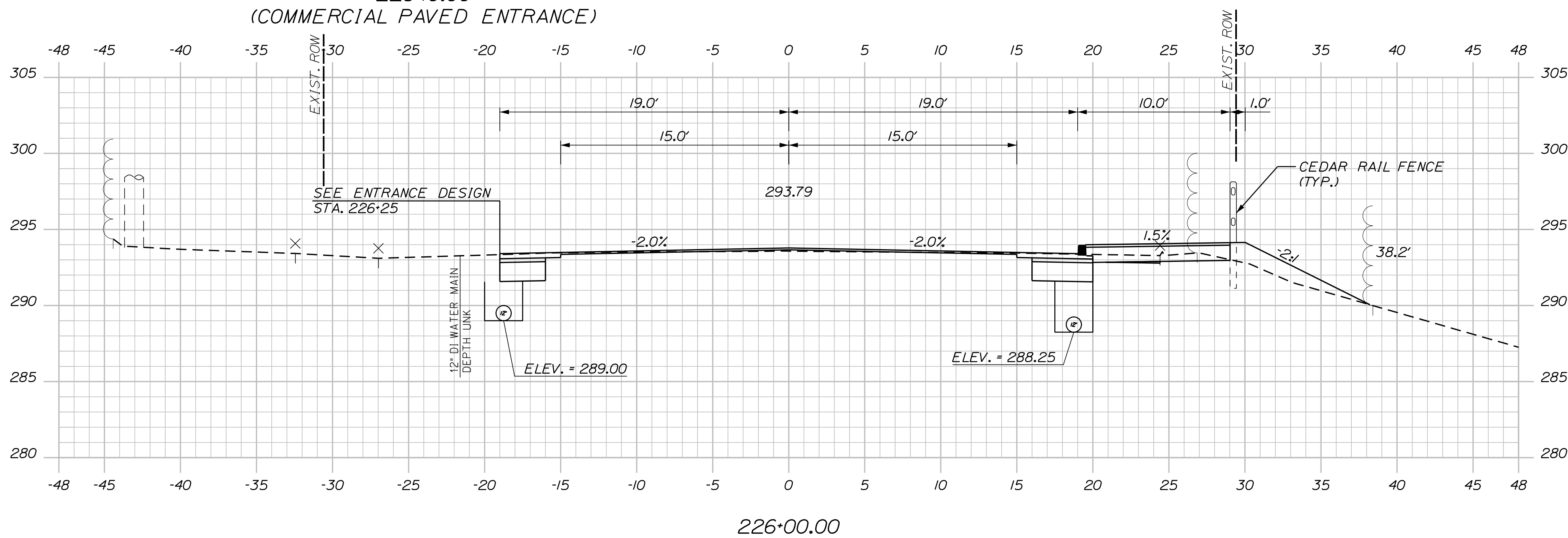
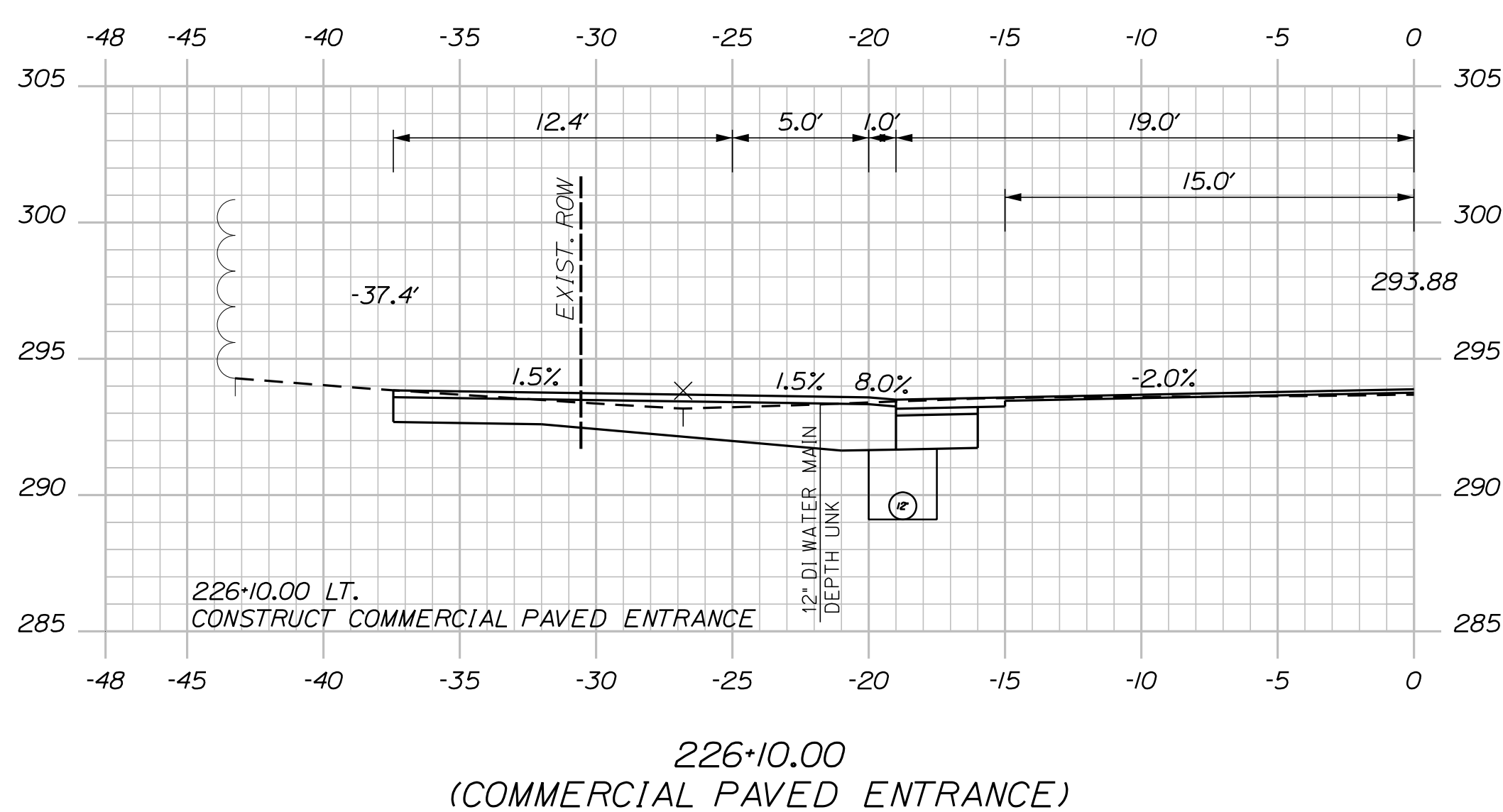
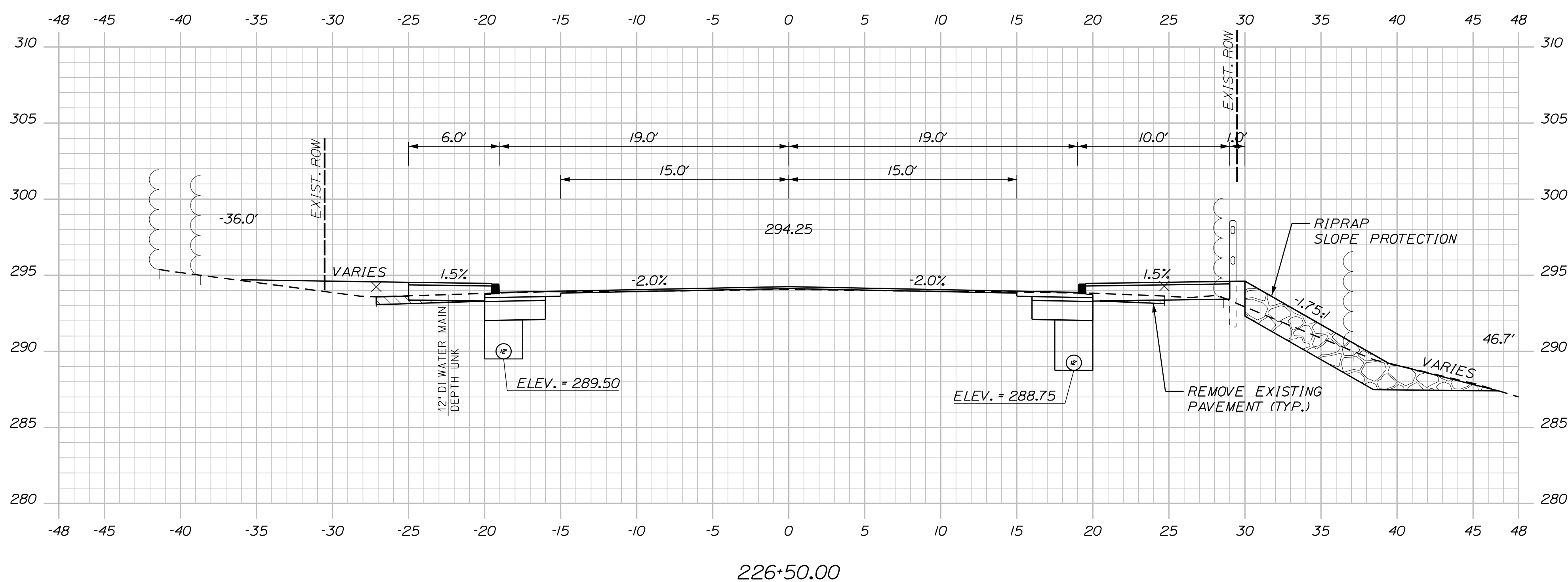
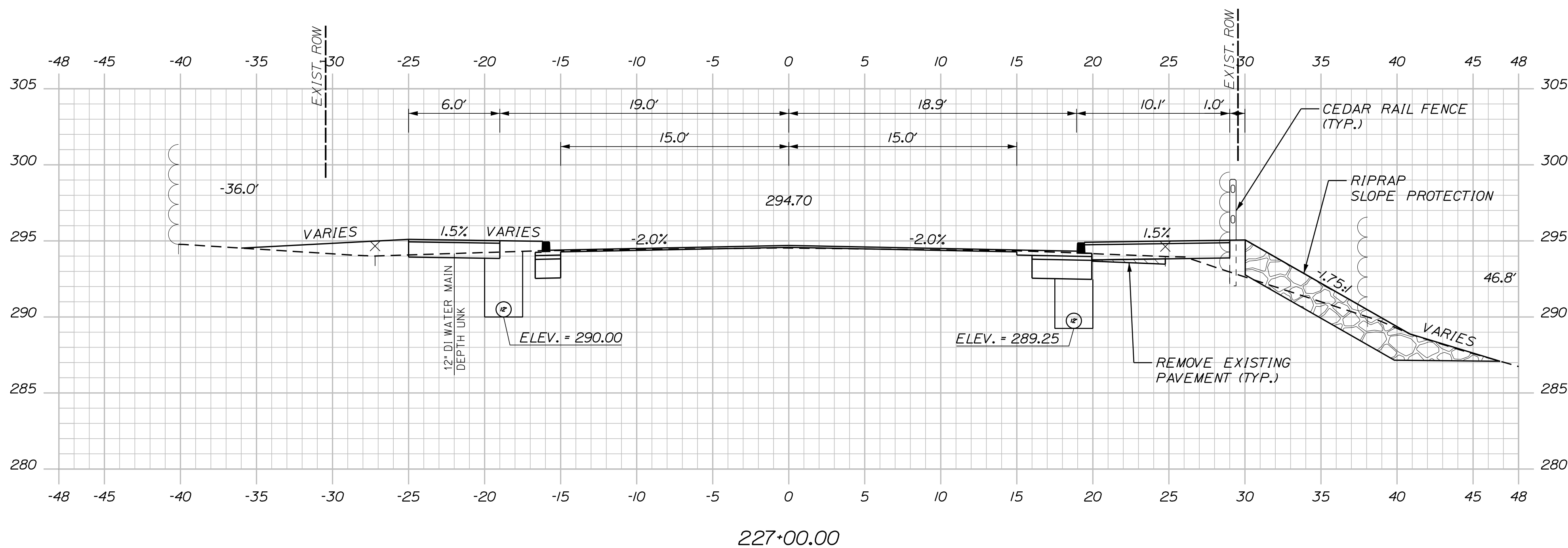
SHEET NUMBER

67

OF 84

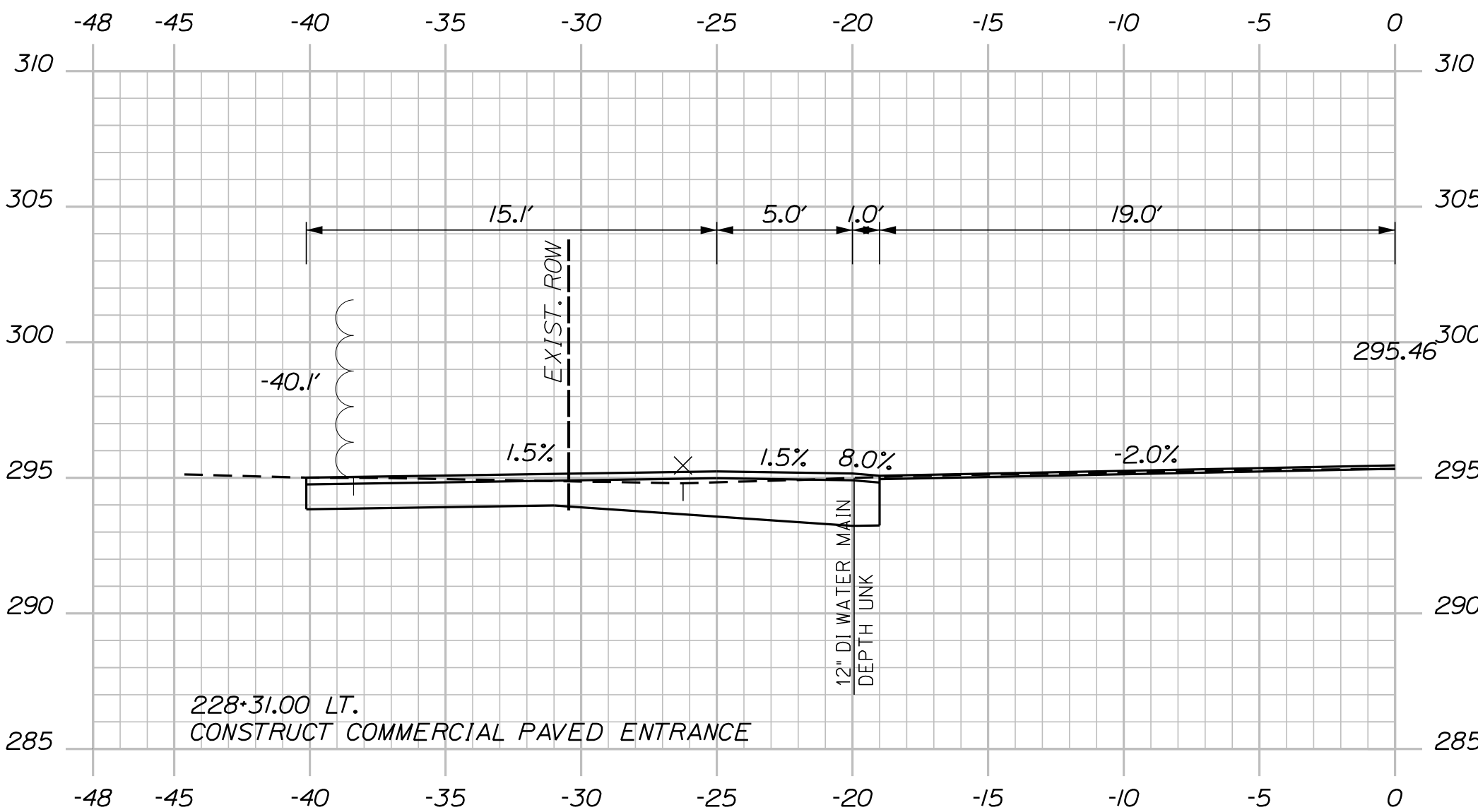
Sta. 224+50.00 to Sta. 224+83.00

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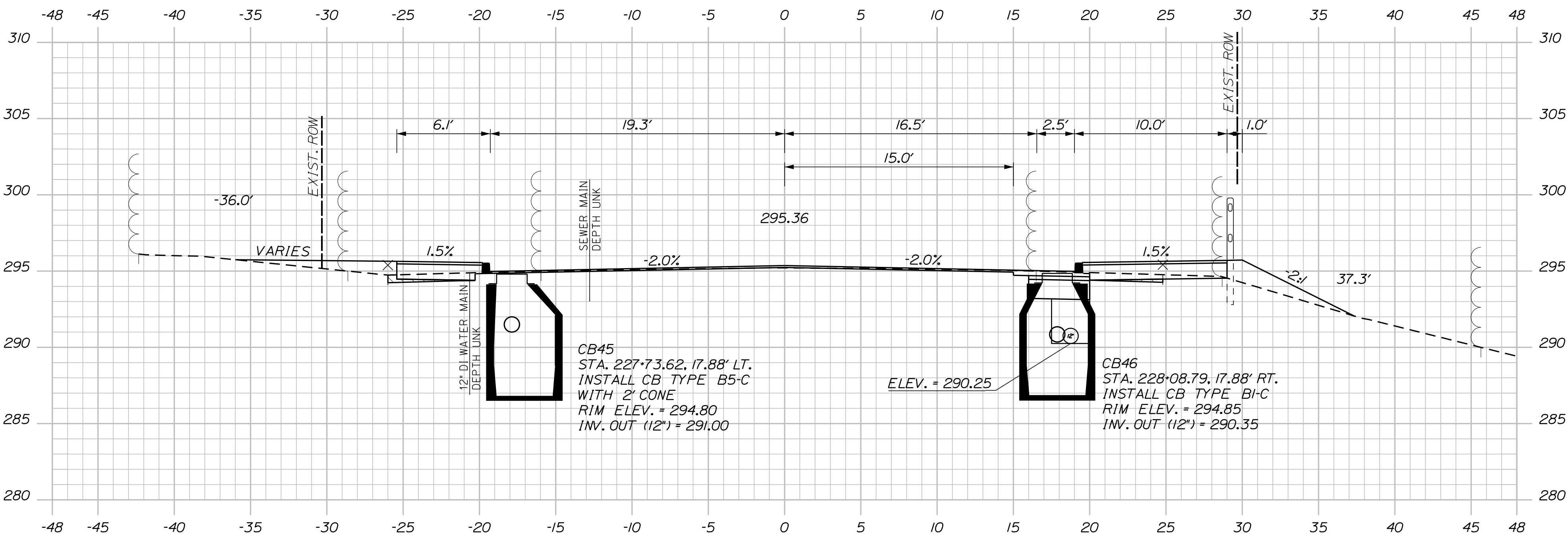


PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24
CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	08/24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

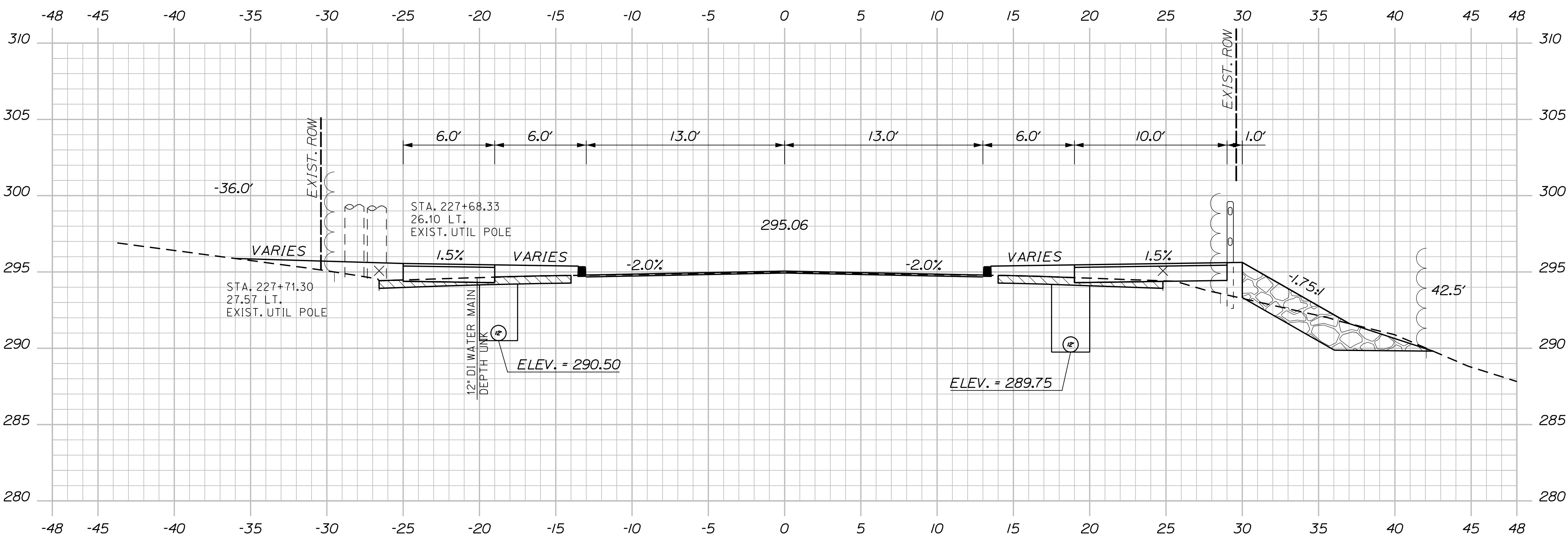
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228+31.00
(COMMERCIAL PAVED ENTRANCE)



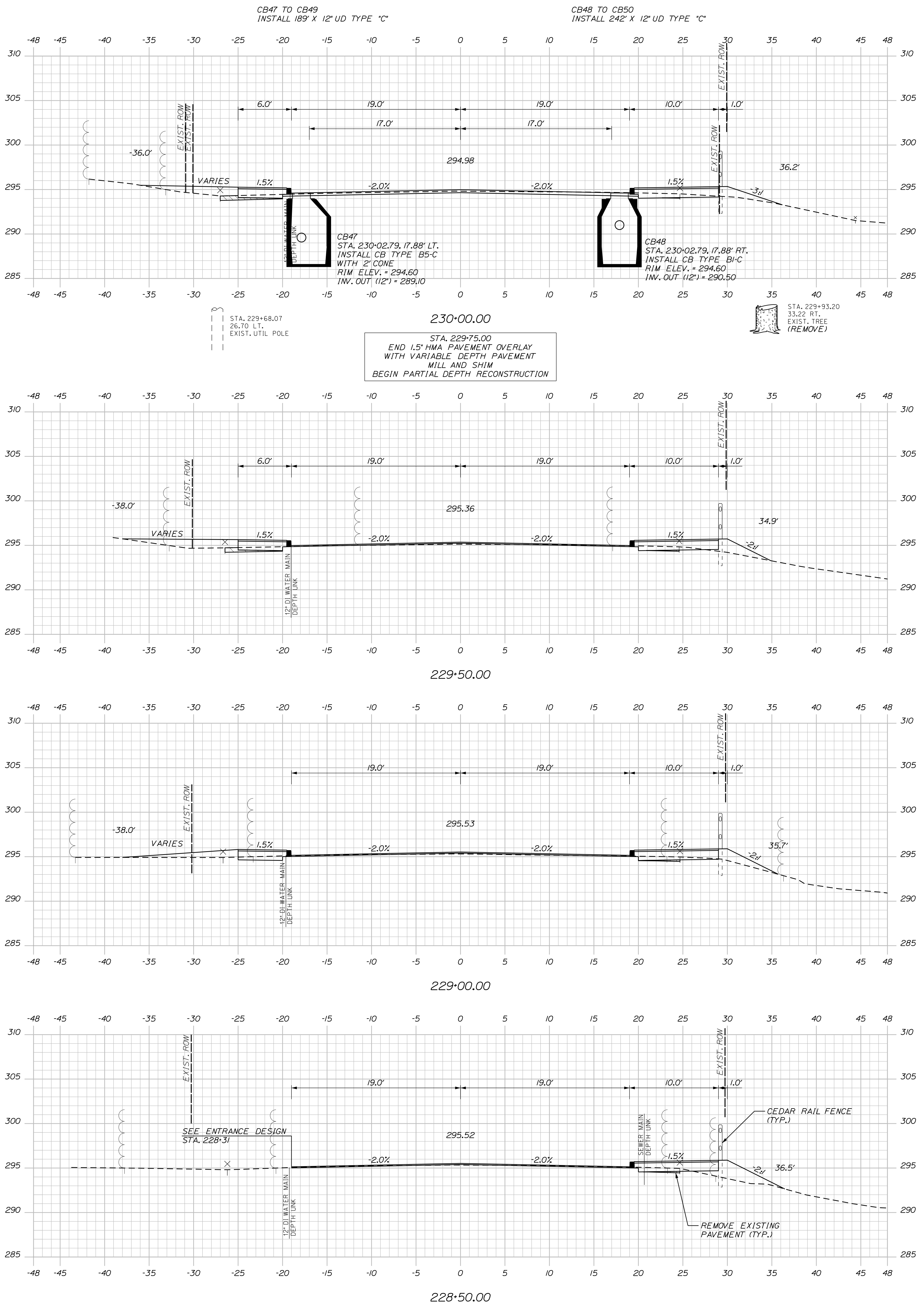
228+00.00



227+50.00

Sta. 227+50.00 to Sta. 228+31.00

U:\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	08\24
CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	08\24
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

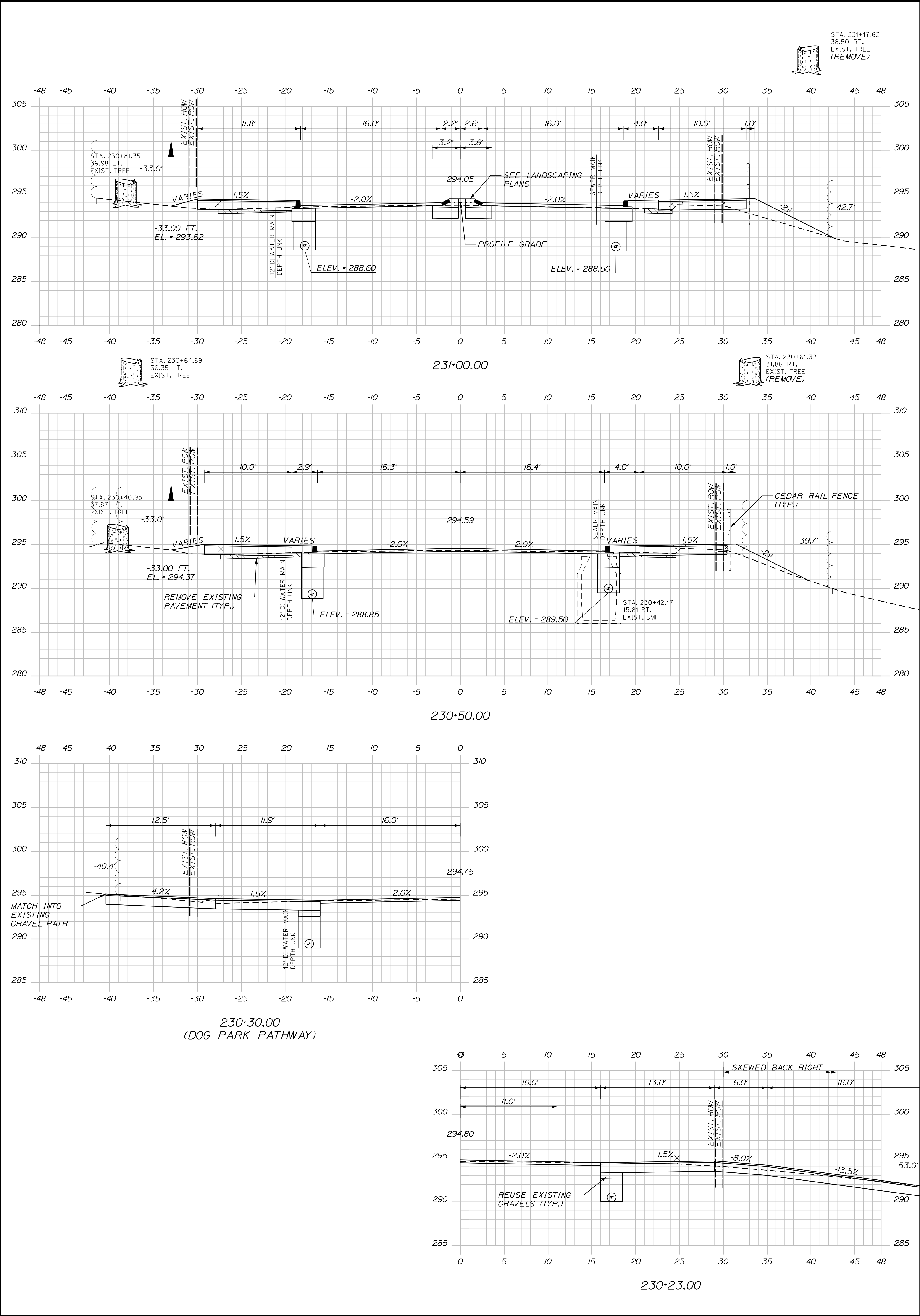
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SHEET NUMBER

OF 84

12

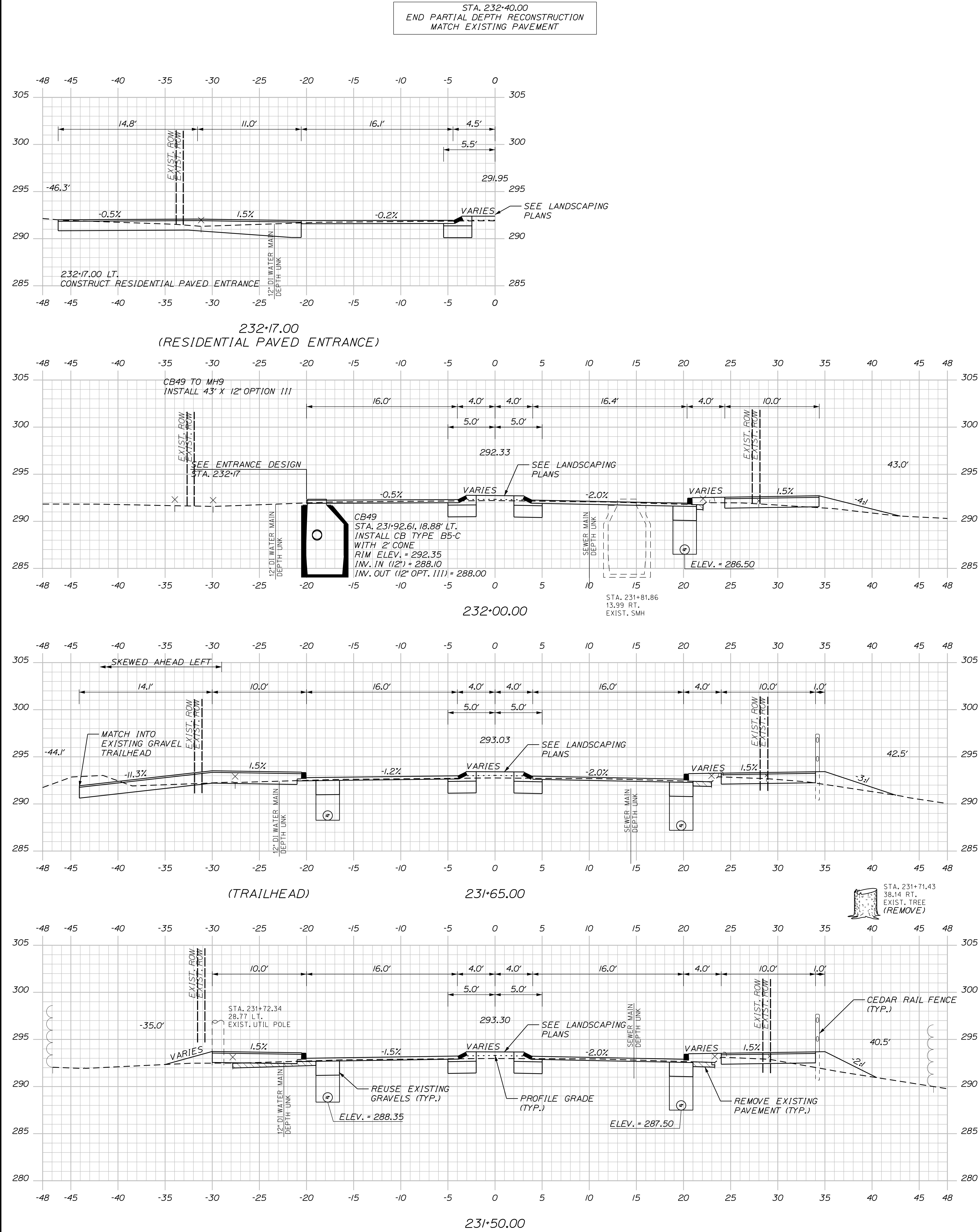
U:\\3421.11-William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 230+23.00 to Sta. 231+00.00

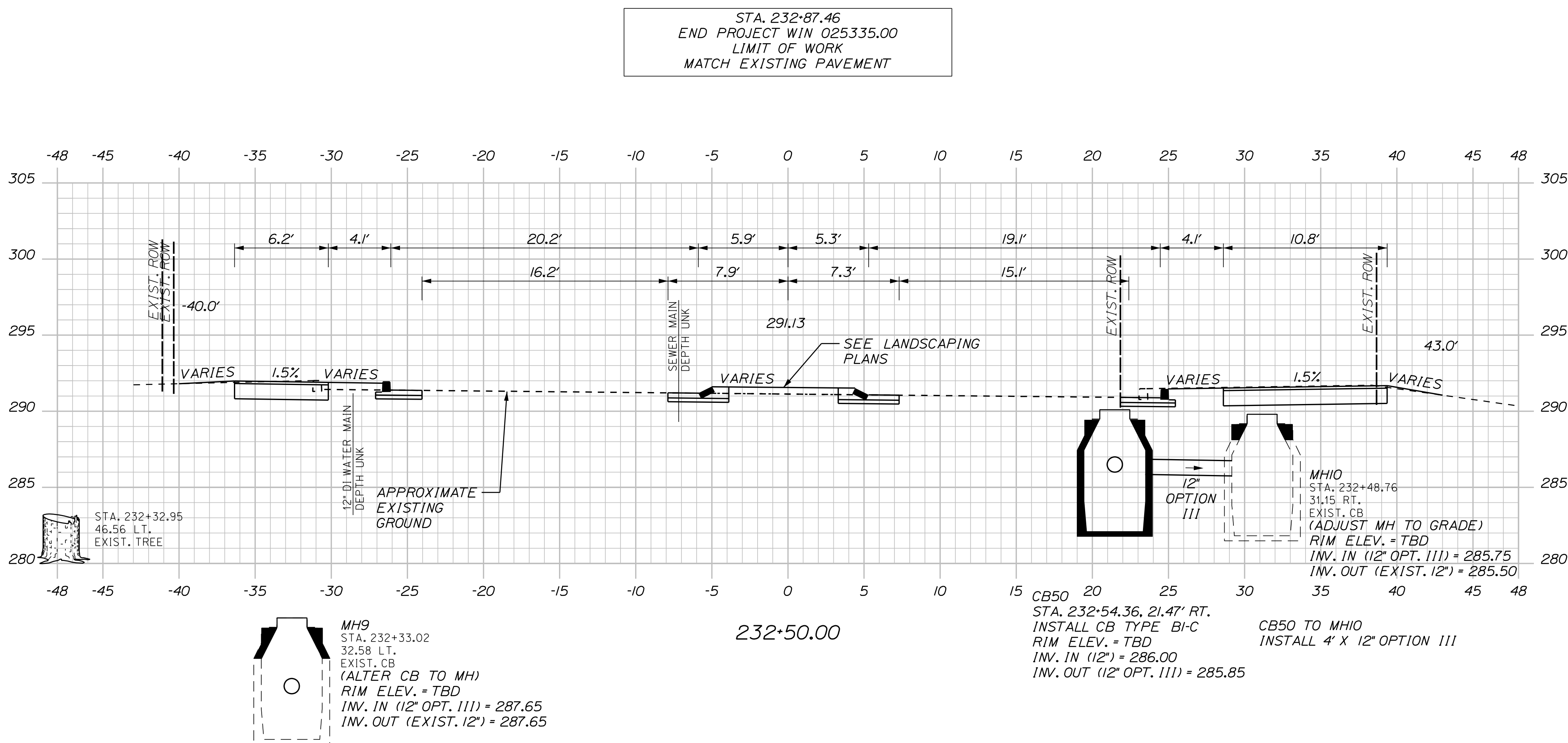
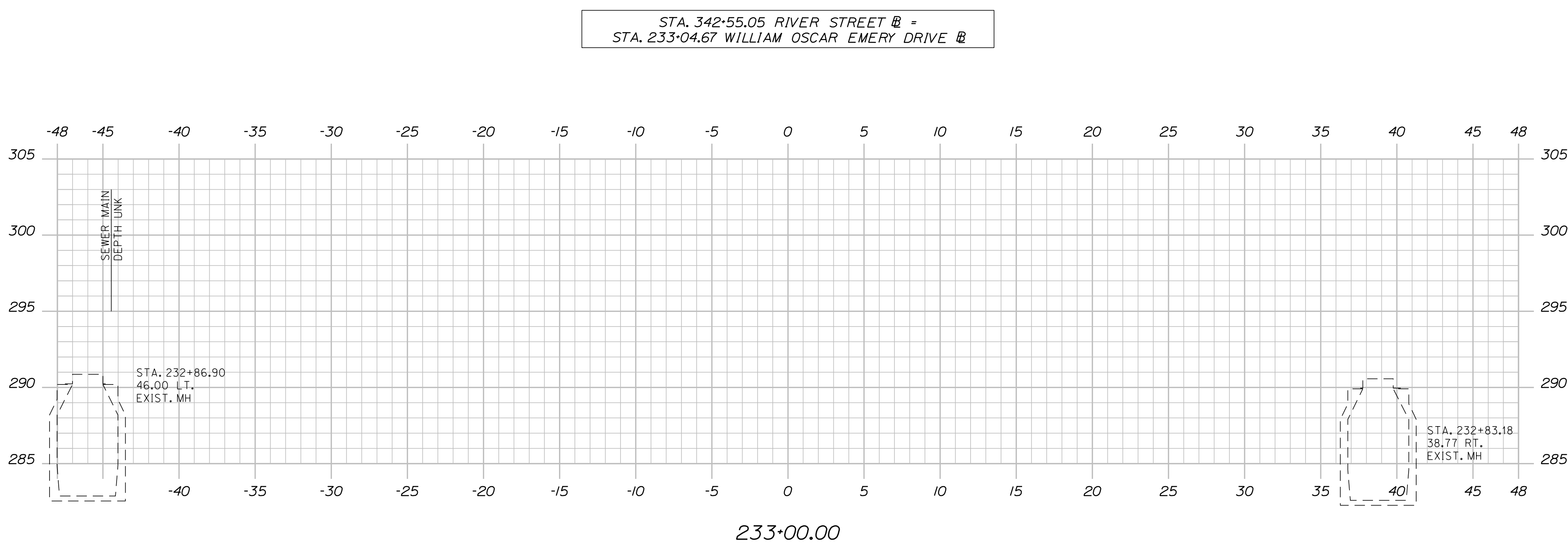
OF 84	72	SHEET NUMBER	SANFORD				PROJ. MANAGER		M. HILL	BY	DATE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
			RIVERSIDE AVENUE AND				DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08\24	SIGNATURE	
			WILLIAM OSCAR EMERY DRIVE				CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	08\24		
							DESIGN2-DETAILED2	-	-	-		
							DESIGN3-DETAILED3	-	-	-		
			CROSS SECTIONS				REVISIONS 1		-	-	-	P.E. NUMBER
							REVISIONS 2		-	-	-	DATE
							REVISIONS 3		-	-	-	
							REVISIONS 4		-	-	-	
							FIELD CHANGES		-	-	-	
											WIN 025335.00	

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



73 OF 84	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	08\24		
			CHECKED-REVIEWED		J. WINCHENBACH		D. ETTINGER	08\24		
			DESIGN2-DETAILED2		-		-	-		
			DESIGN3-DETAILED3		-		-	-		
		CROSS SECTIONS	REVISIONS 1		-		-	-	P.E. NUMBER	
			REVISIONS 2		-		-	-		
			REVISIONS 3		-		-	-		
			REVISIONS 4		-		-	-		
			FIELD CHANGES		-		-	-		
DATE									WIN 025335.00	

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



PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M.CUNDIFF	08/24
CHECKED-REVIEWED	J.WINCENBACH	D. ETTINGER	08/24
DESIGN2-DETAILED2	--	--	--
DESIGN3-DETAILED3	--	--	--
REVISIONS 1	--	--	--
REVISIONS 2	--	--	--
REVISIONS 3	--	--	--
REVISIONS 4	--	--	--
FIELD CHANGES	--	--	--

DATE _____

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

SHEET NUMBER

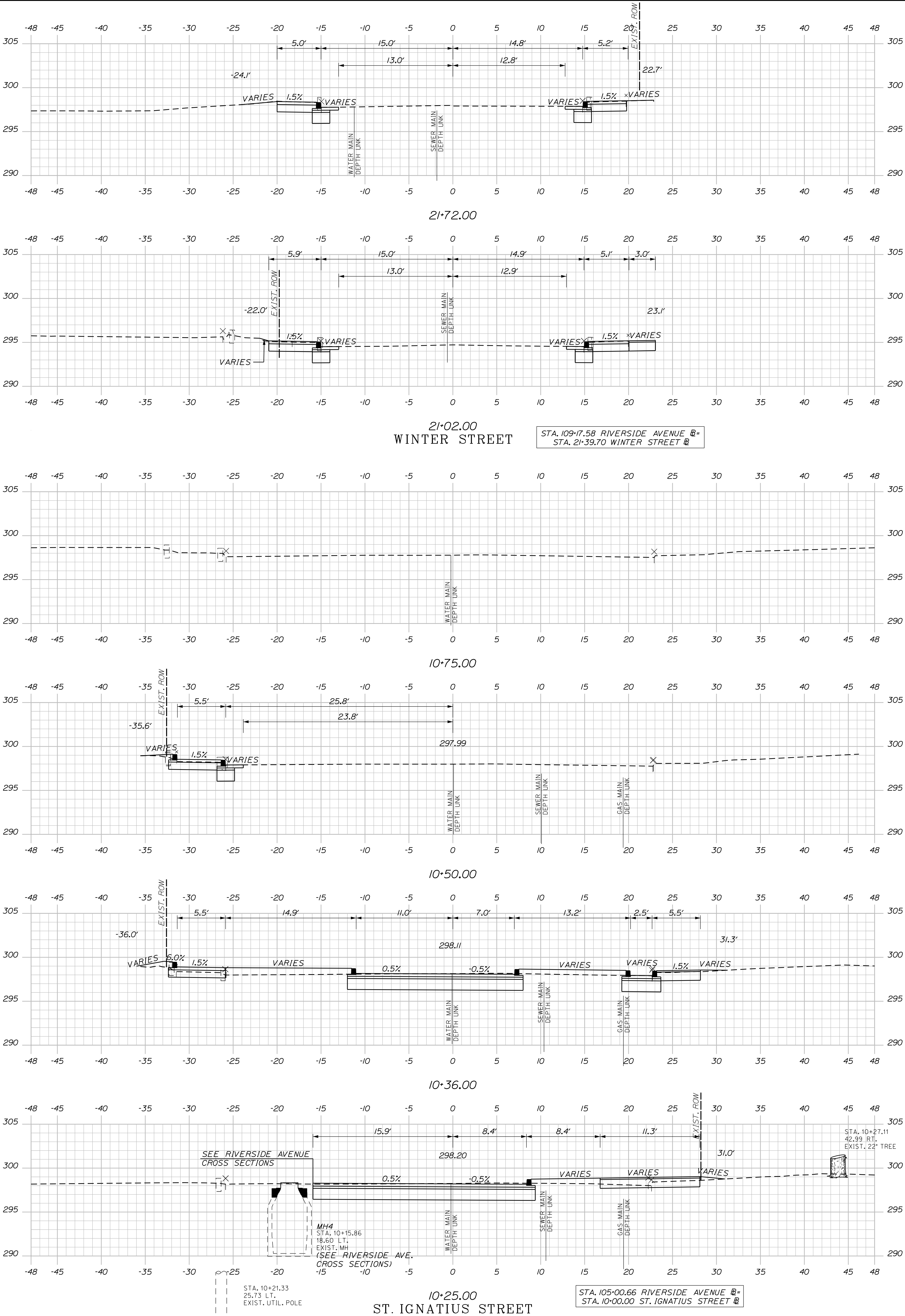
SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

CROSS SECTIONS

OF 84

42

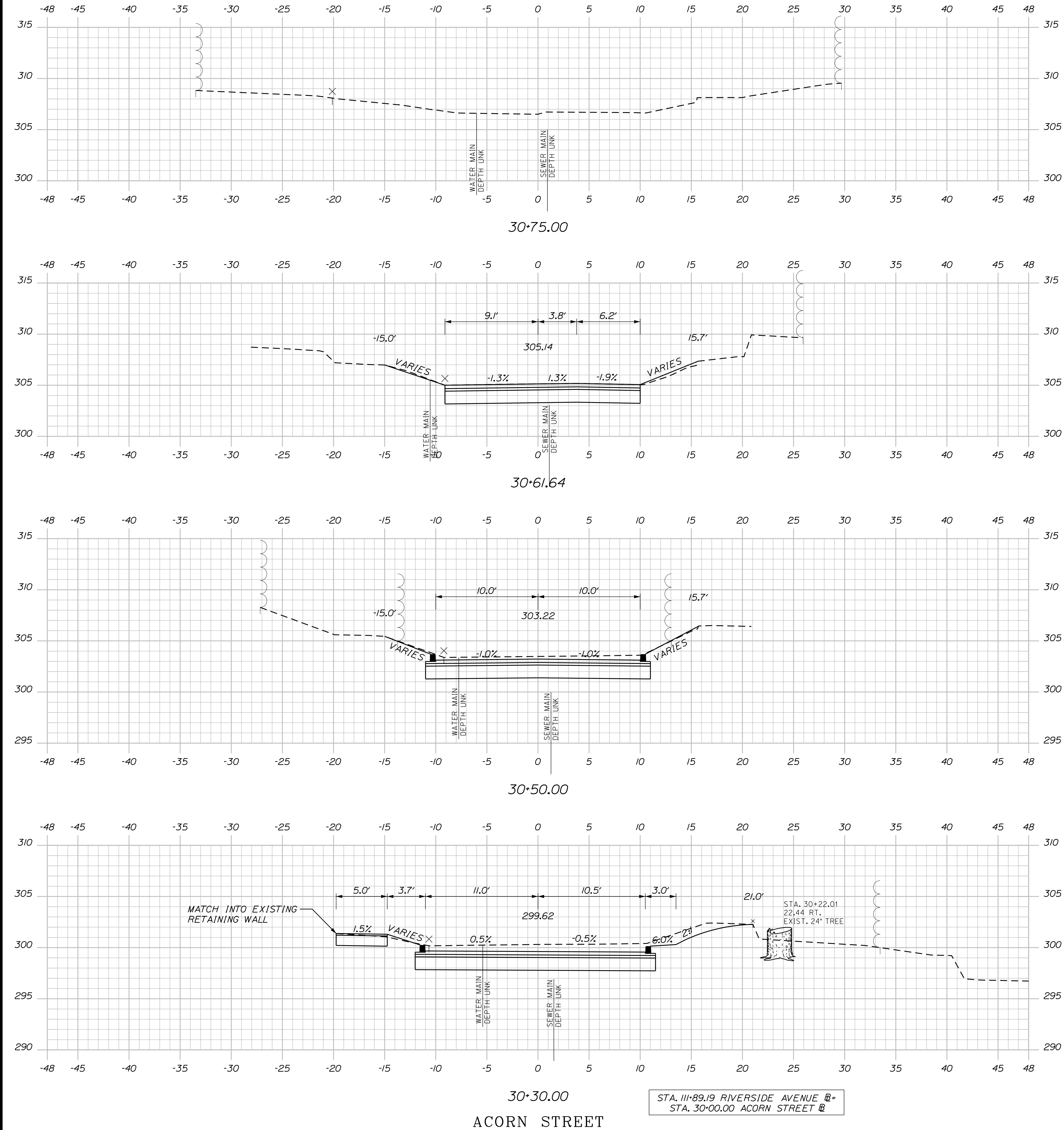
U:\\3421.11-William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn



Sta. 10+25.00 to Sta. 21+72.00

75 OF 84	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE				PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED M. HILL T. WARREN J. WINCHENBACH BY M. CUNDIFF D. ETTINGER DATE 08\24 08\24				CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073	
		SIDE ROAD CROSS SECTIONS				SIGNATURE					
						P.E. NUMBER					
						DATE					
						WIN 025335.00					

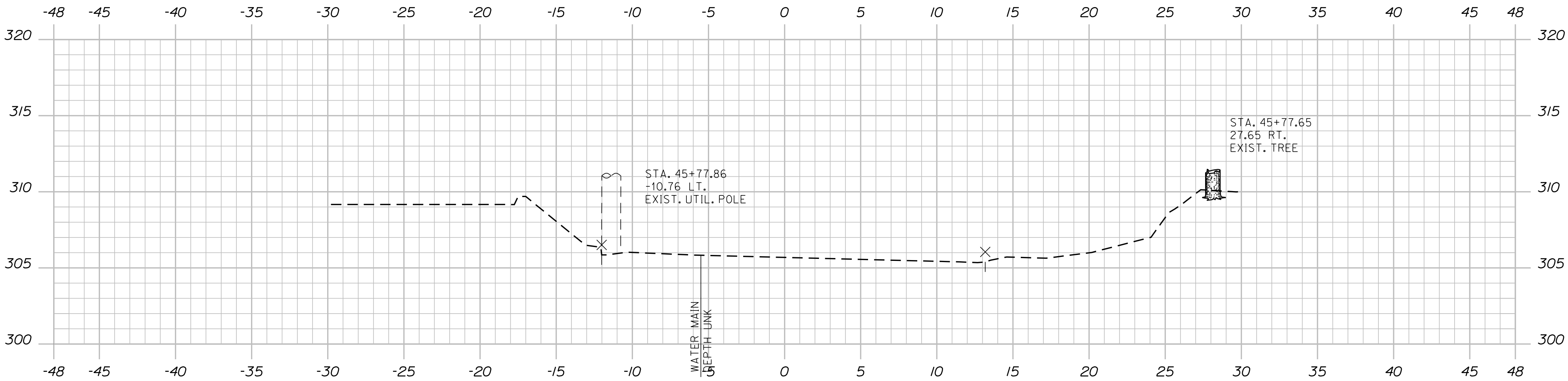
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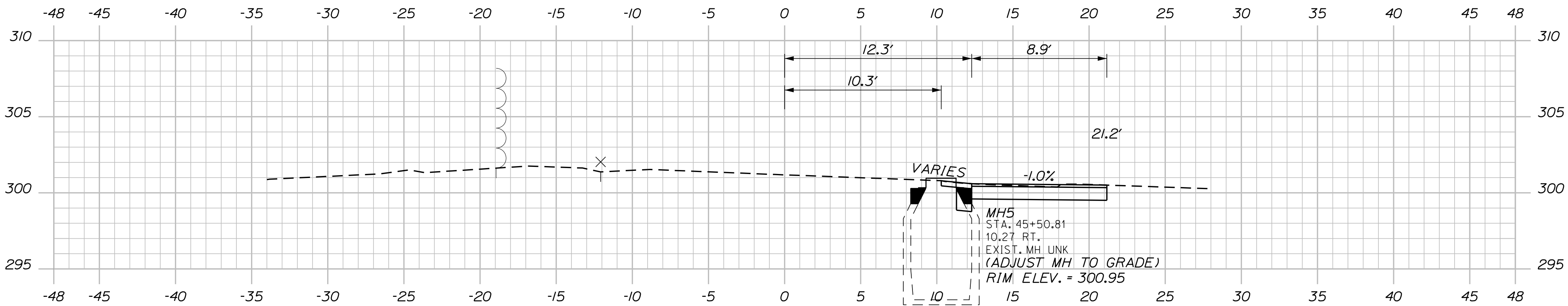
Sta. 30+30.00 to Sta. 30+75.00

76 OF 84	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	08\24	
				CHECKED-REVIEWED		J.WINCHEBACH	D. ETTINGER	08\24	
				DESIGN2-DETAILED2		--	--	--	
				DESIGN3-DETAILED3		--	--	--	
		SIDE ROAD CROSS SECTIONS		REVISIONS 1		--	--	--	P.E. NUMBER
				REVISIONS 2		--	--	--	
				REVISIONS 3		--	--	--	
				REVISIONS 4		--	--	--	
				FIELD CHANGES		--	--	--	
								WIN 025335.00	

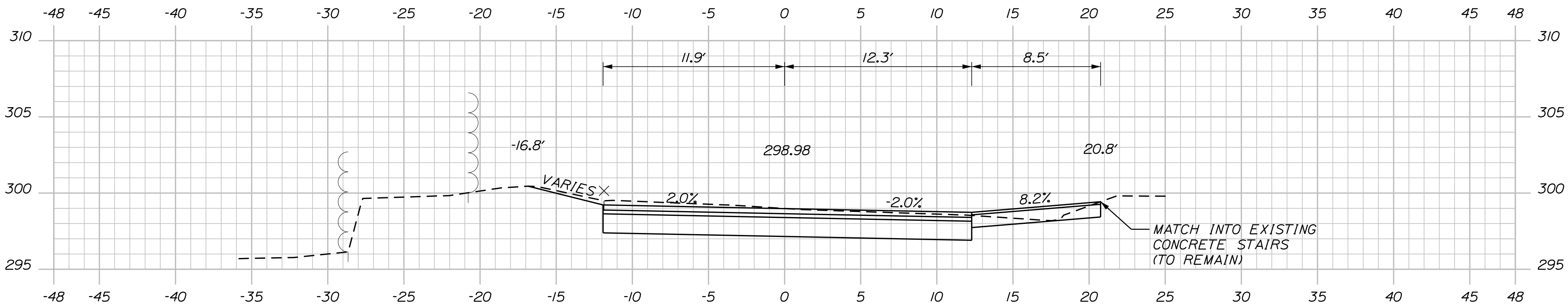
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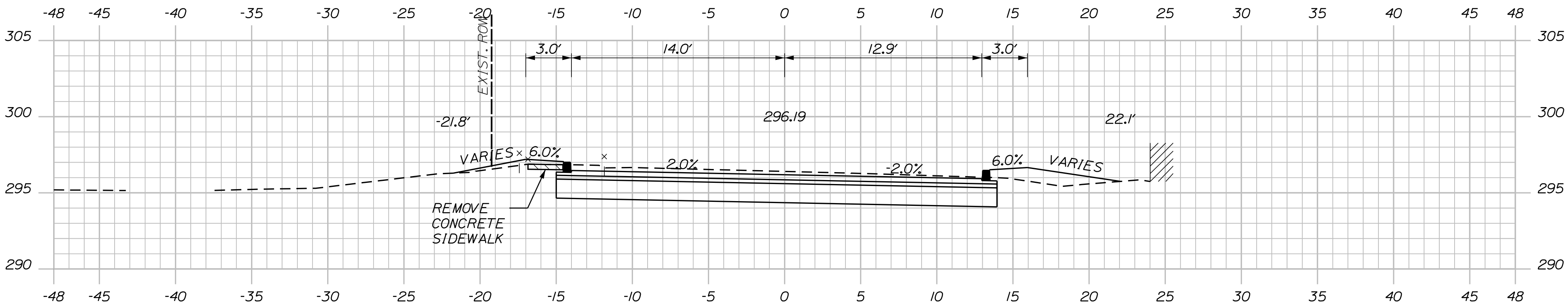
45+75.00



45+50.00



45+39.00



45+25.00

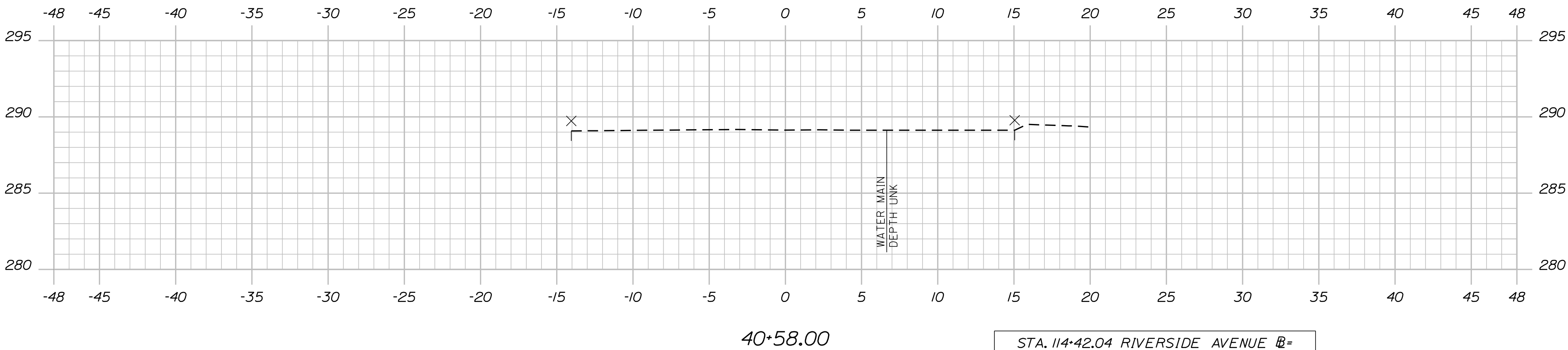
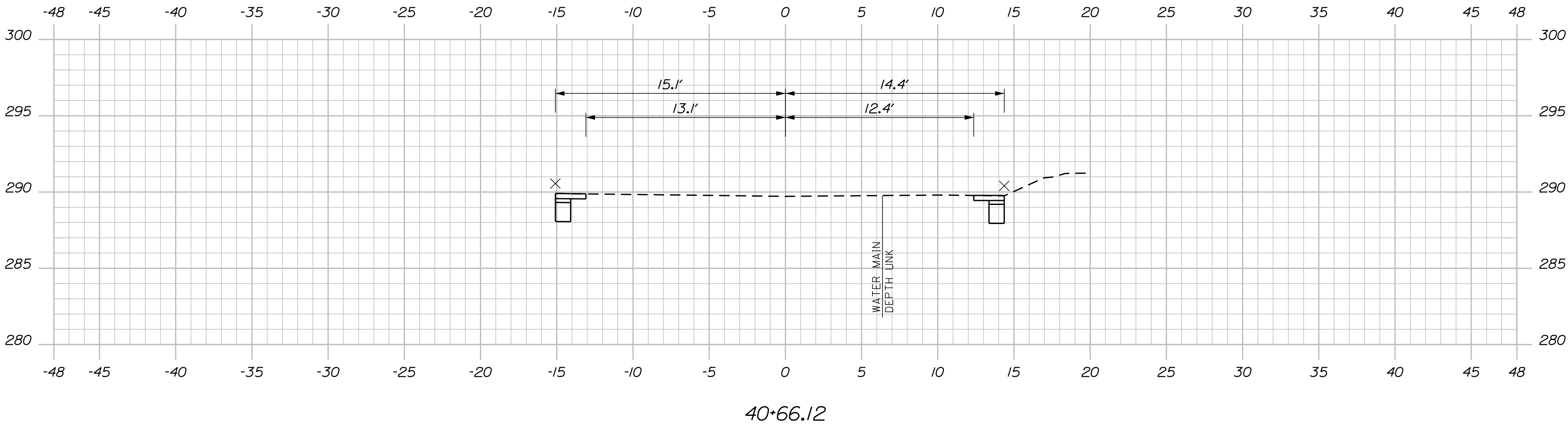
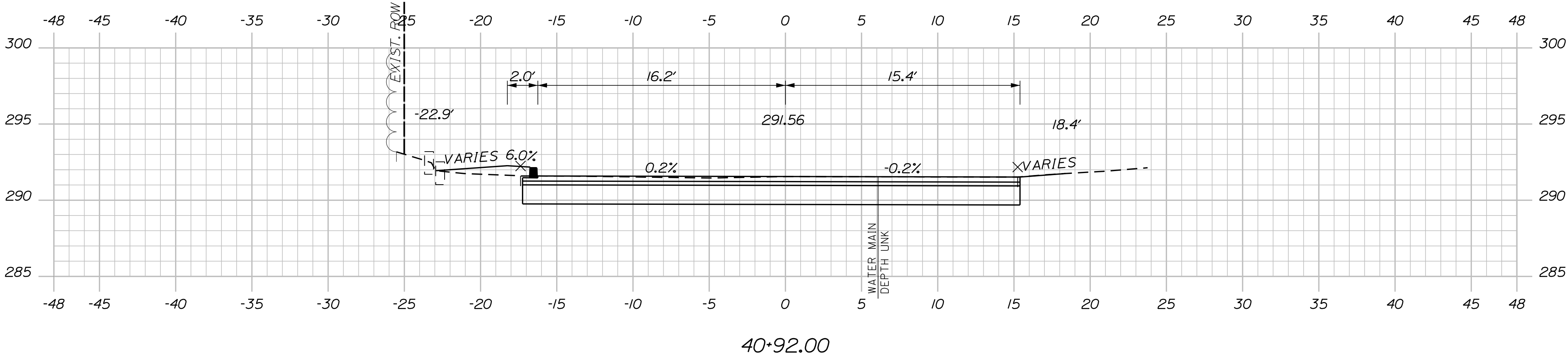
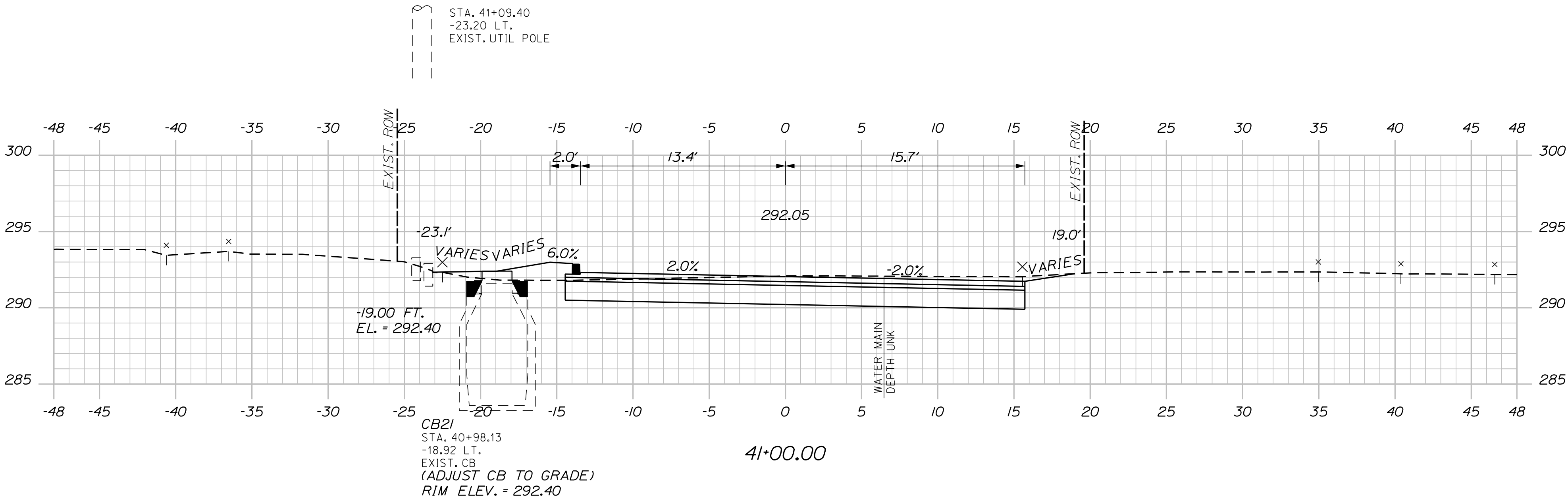
STA. 114+34.41 RIVERSIDE AVENUE @ STA 45+00.00 MAPLE STREET SOUTH

MAPLE STREET SOUTH

Sta. 45+25.00 to Sta. 45+75.00

OF 84	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	08\24		
			CHECKED-REVIEWED	J.WINCHENBACH	D. ETTINGER	08\24		
			DESIGN2-DETAILED2	-	-	-		
		DESIGN3-DETAILED3	-	-	-	P.E. NUMBER		
		REVISIONS 1	-	-	-			
		REVISIONS 2	-	-	-			
		REVISIONS 3	-	-	-			
		REVISIONS 4	-	-	-	DATE		
		FIELD CHANGES	-	-	-			
SIDE ROAD CROSS SECTIONS							WIN 025335.00	

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



STA. 11+42.04 RIVERSIDE AVENUE @
STA 41+25.00 MAPLE STREET NORTH @

MAPLE STREET NORTH

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24
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

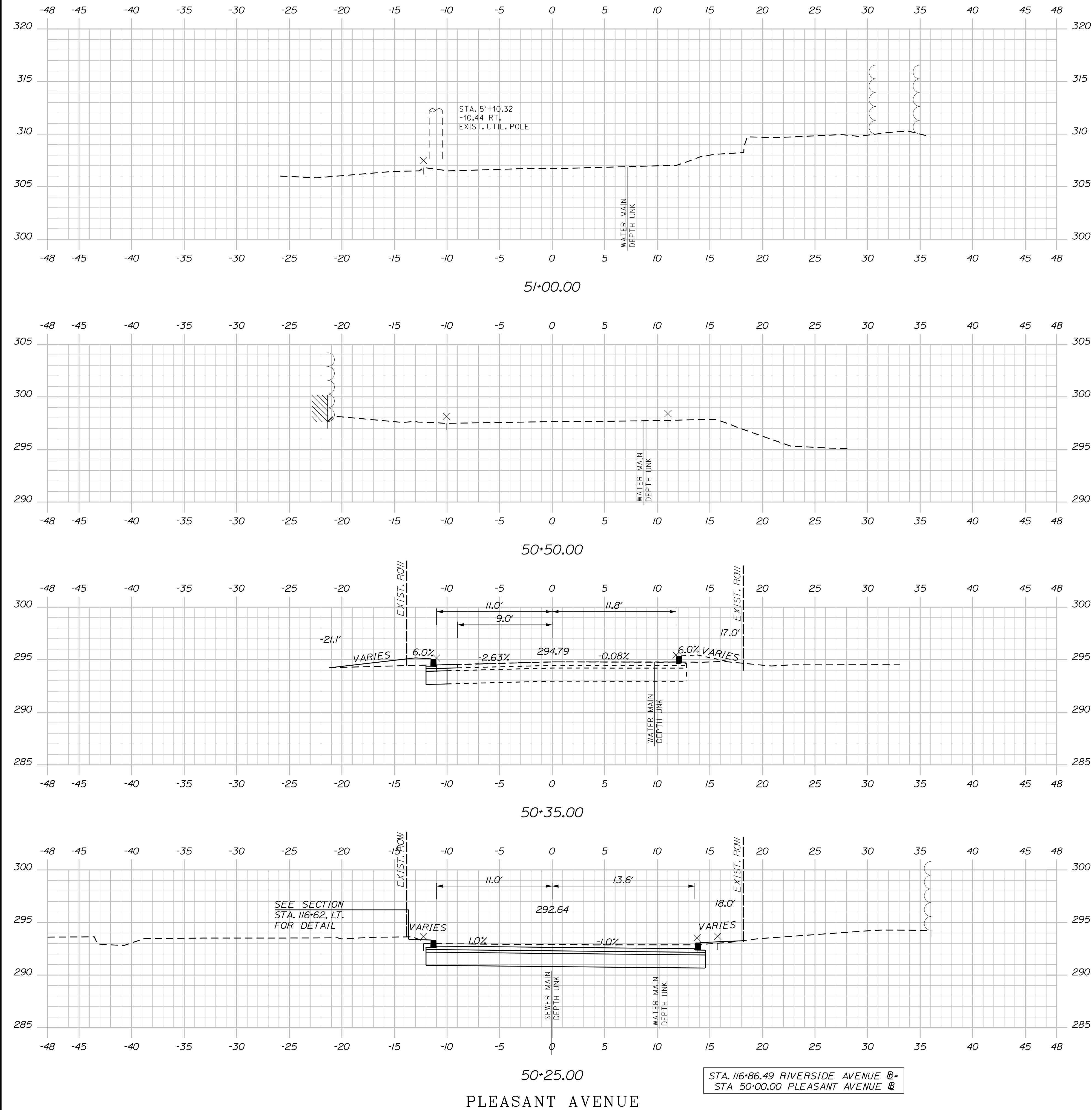
SHEET NUMBER

78

OF 84

Sta. 40+58.00 to Sta. 41+00.00

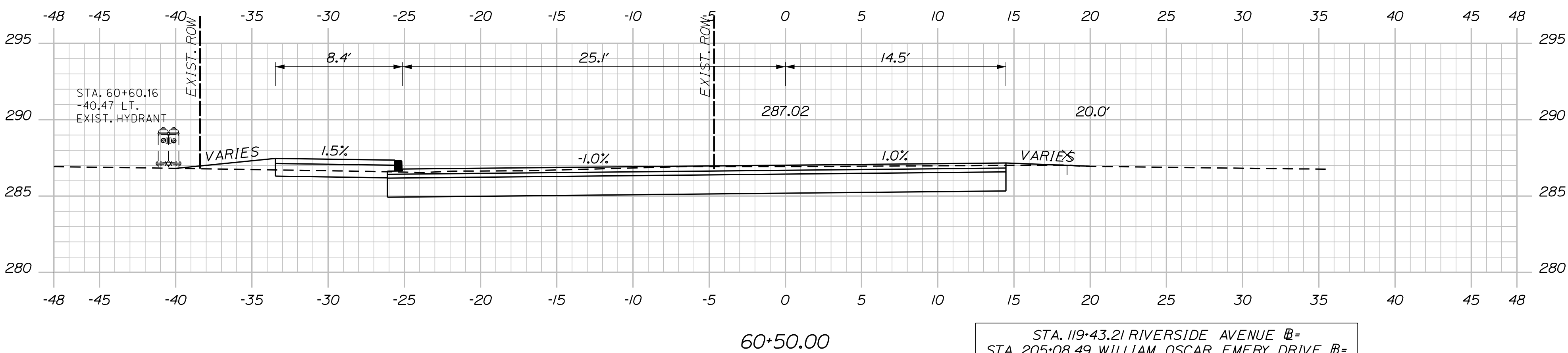
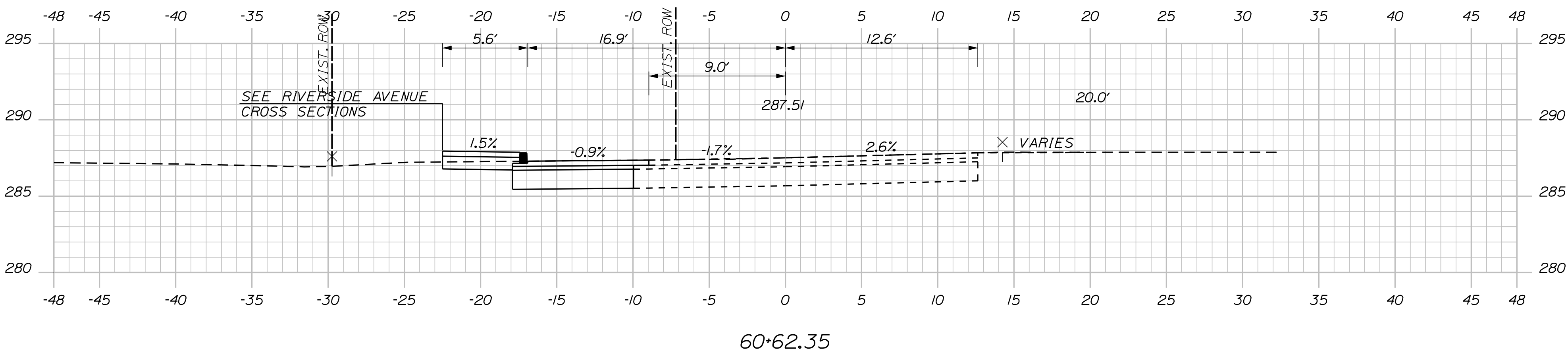
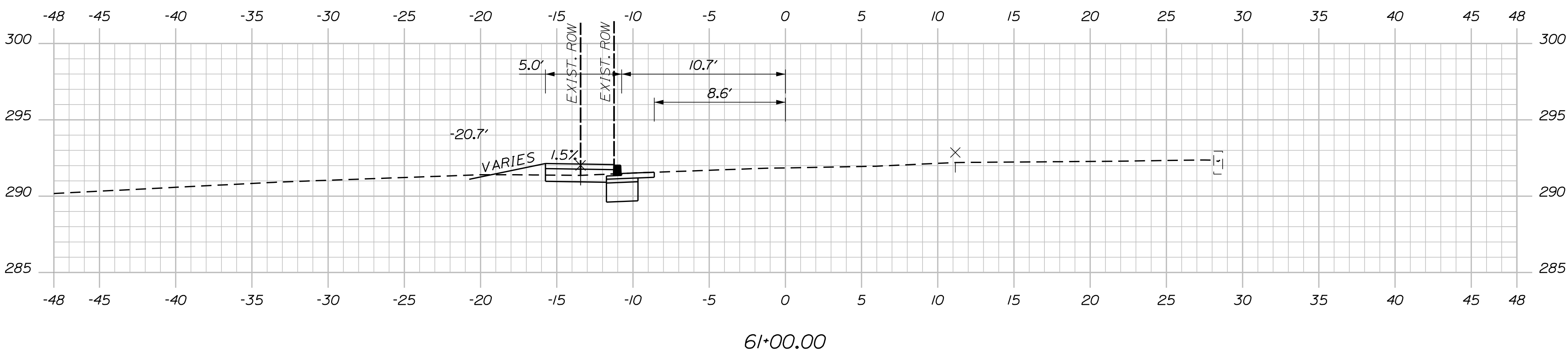
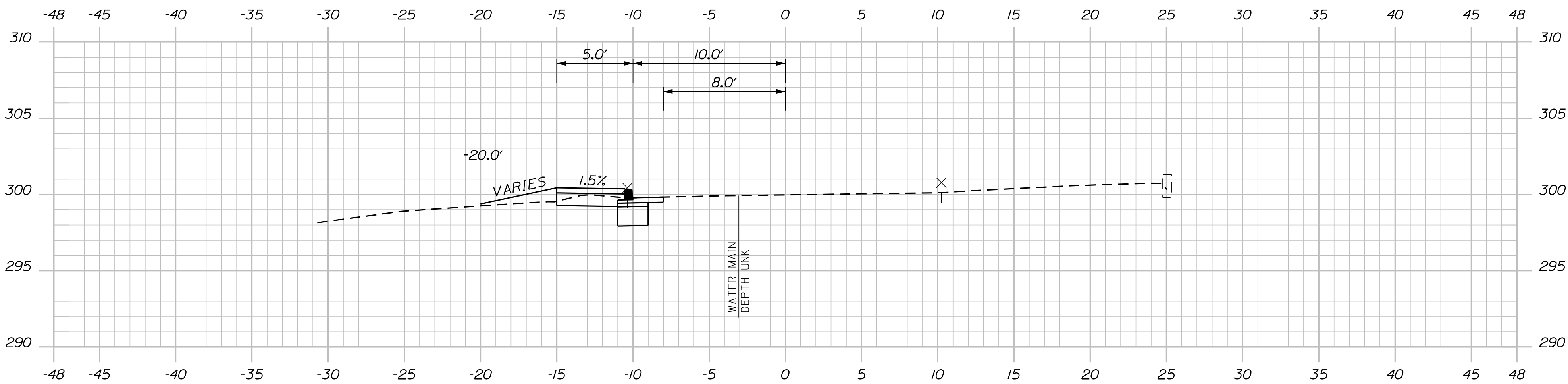
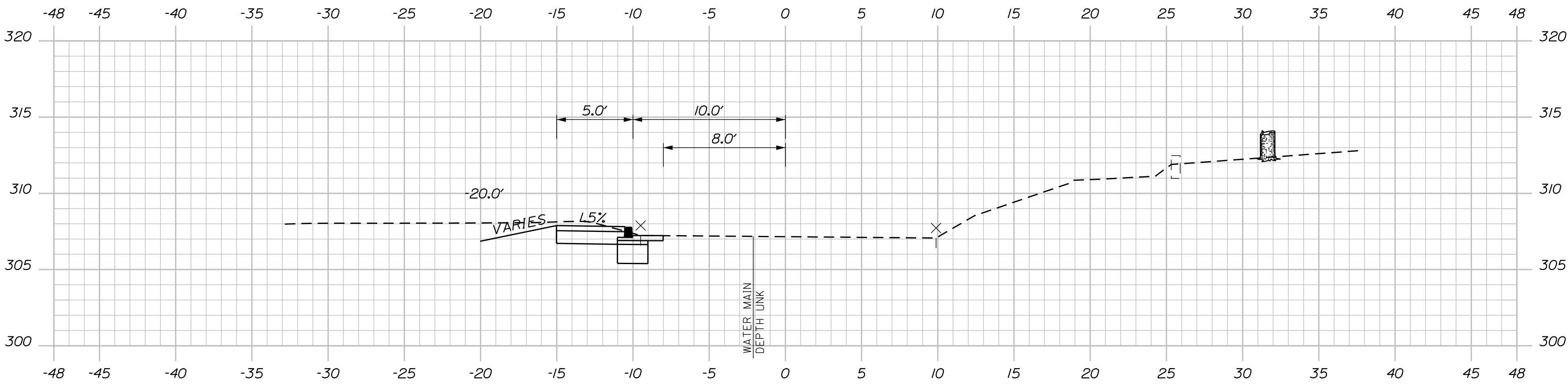
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Sta. 50+25.00 to Sta. 51+25.00

79 OF 84	SHEET NUMBER	SANFORD RIVERSIDE AVENUE AND WILLIAM OSCAR EMERY DRIVE				PROJ. MANAGER M. HILL				BY M.CUNDIFF		DATE 08\24		SIGNATURE	CITY OF SANFORD 919 MAIN STREET SANFORD, MAINE 04073
		DESIGN-DETAILED				T. WARREN		M.CUNDIFF		08\24					
		CHECKED-REVIEWED				J.WINCHENBACH		D. ETINGER		08\24					
		DESIGN2-DETAILED2				-		-		-					
		DESIGN3-DETAILED3				-		-		-		P.E. NUMBER			
		REVISIONS 1				-		-		-					
		REVISIONS 2				-		-		-					
		REVISIONS 3				-		-		-					
		REVISIONS 4				-		-		-		DATE			
		FIELD CHANGES				-		-		-					
SIDE ROAD CROSS SECTIONS												WIN 025335.00			

U:\\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 84

80

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	08\24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

CITY OF SANFORD

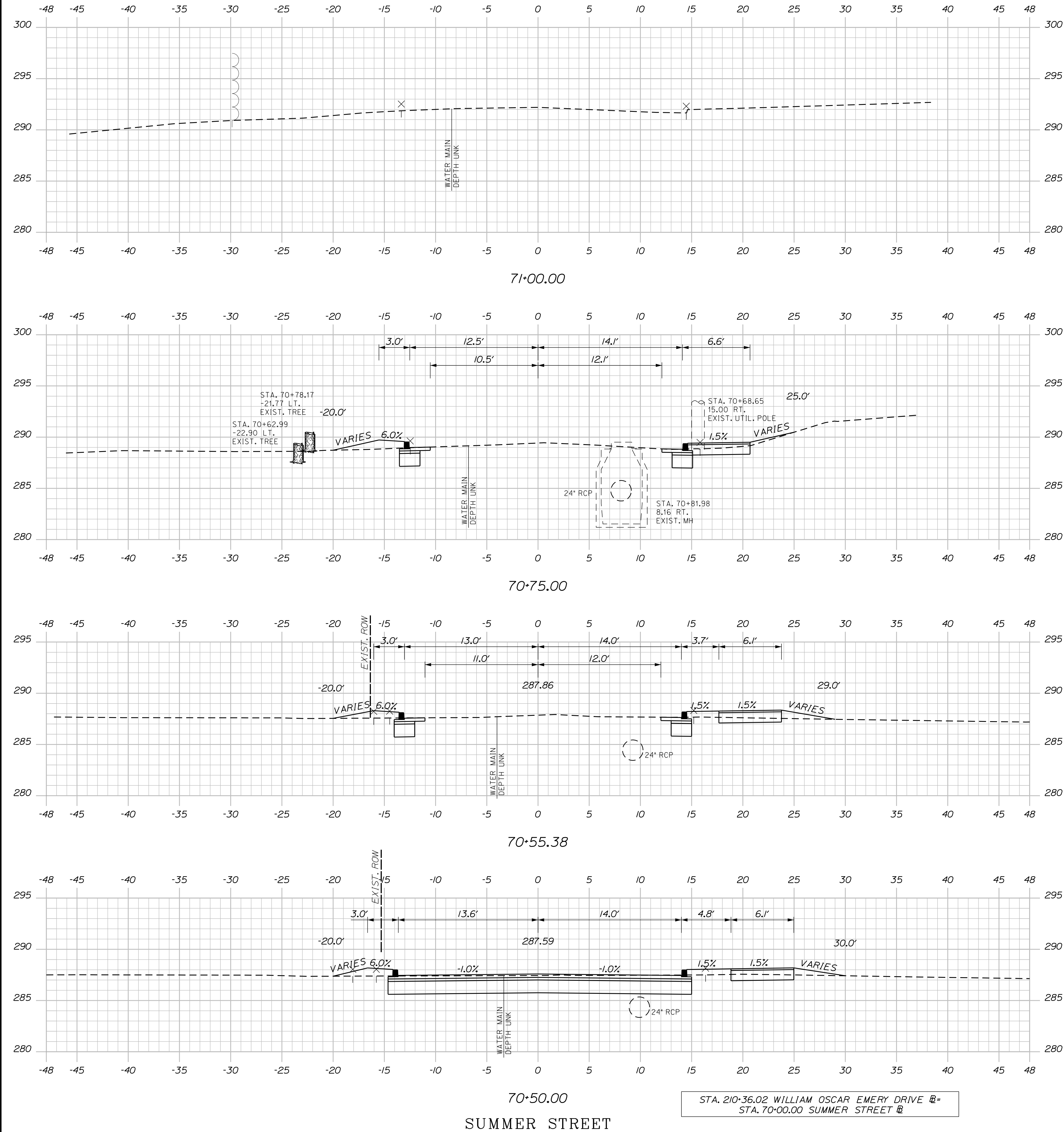
919 MAIN STREET

SANFORD, MAINE 04073

WIN

025335.00

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



SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE

SIDE ROAD CROSS SECTIONS

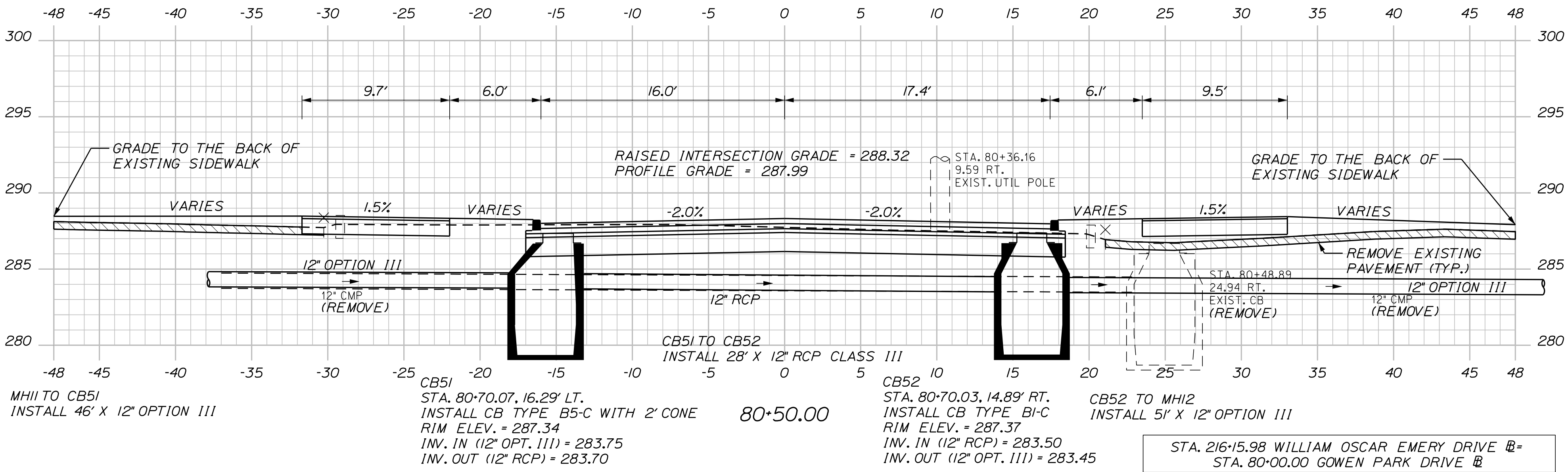
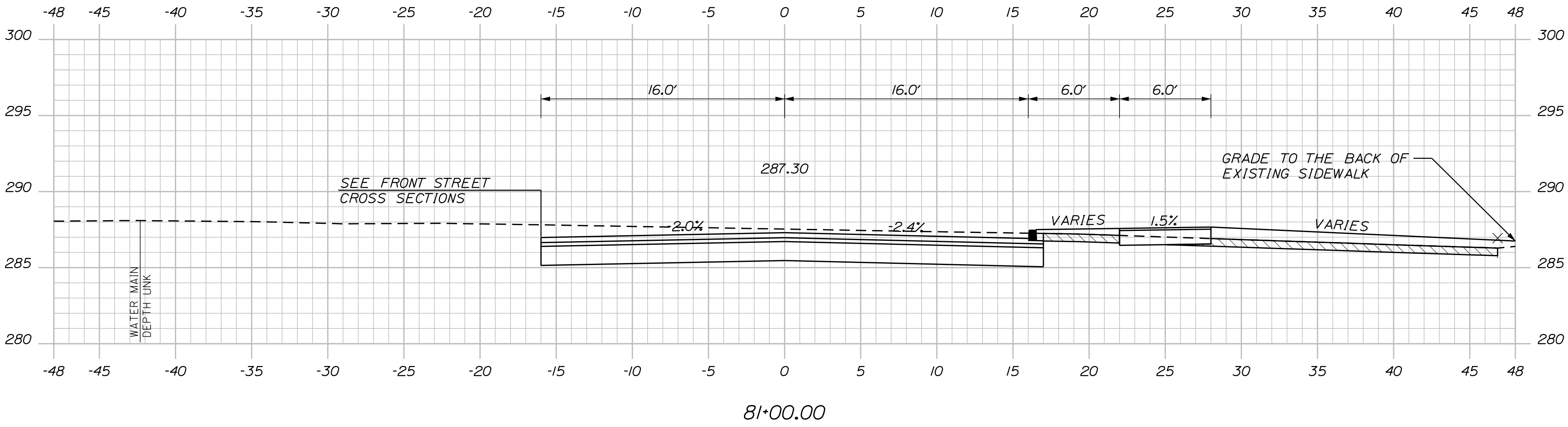
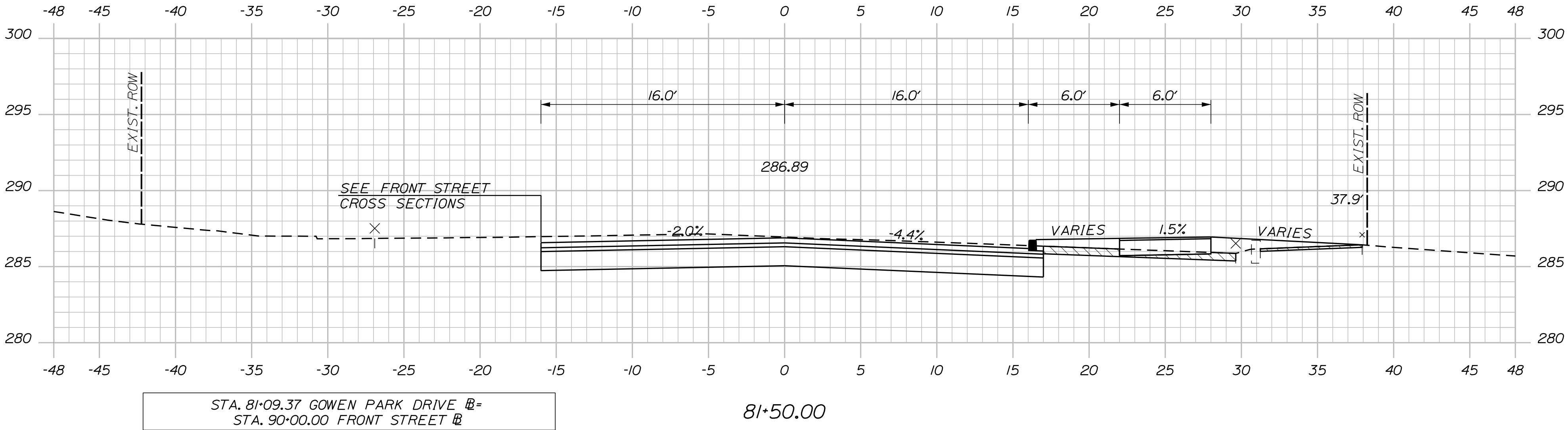
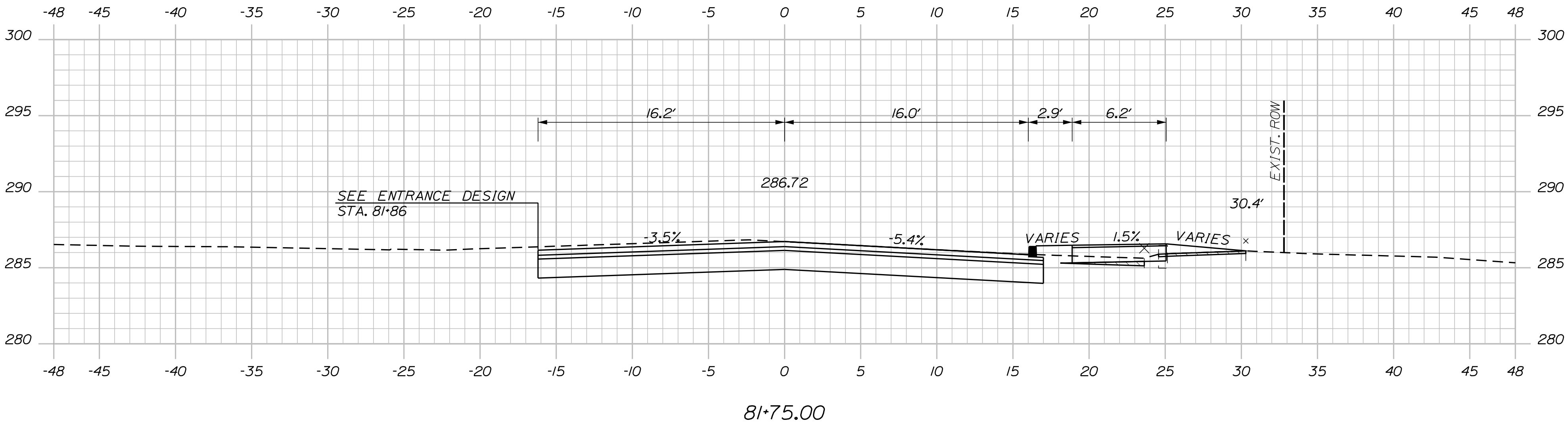
PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08/24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08/24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE	
P.E. NUMBER	
DATE	

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

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



Sta. 80+50.00 to Sta. 81+75.00

OF 84

SANFORD
RIVERSIDE AVENUE AND
WILLIAM OSCAR EMERY DRIVE
SIDE ROAD CROSS SECTIONS

PROJ. MANAGER	M. HILL	BY	DATE
DESIGN-DETAILED	T. WARREN	M. CUNDIFF	08\24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08\24
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

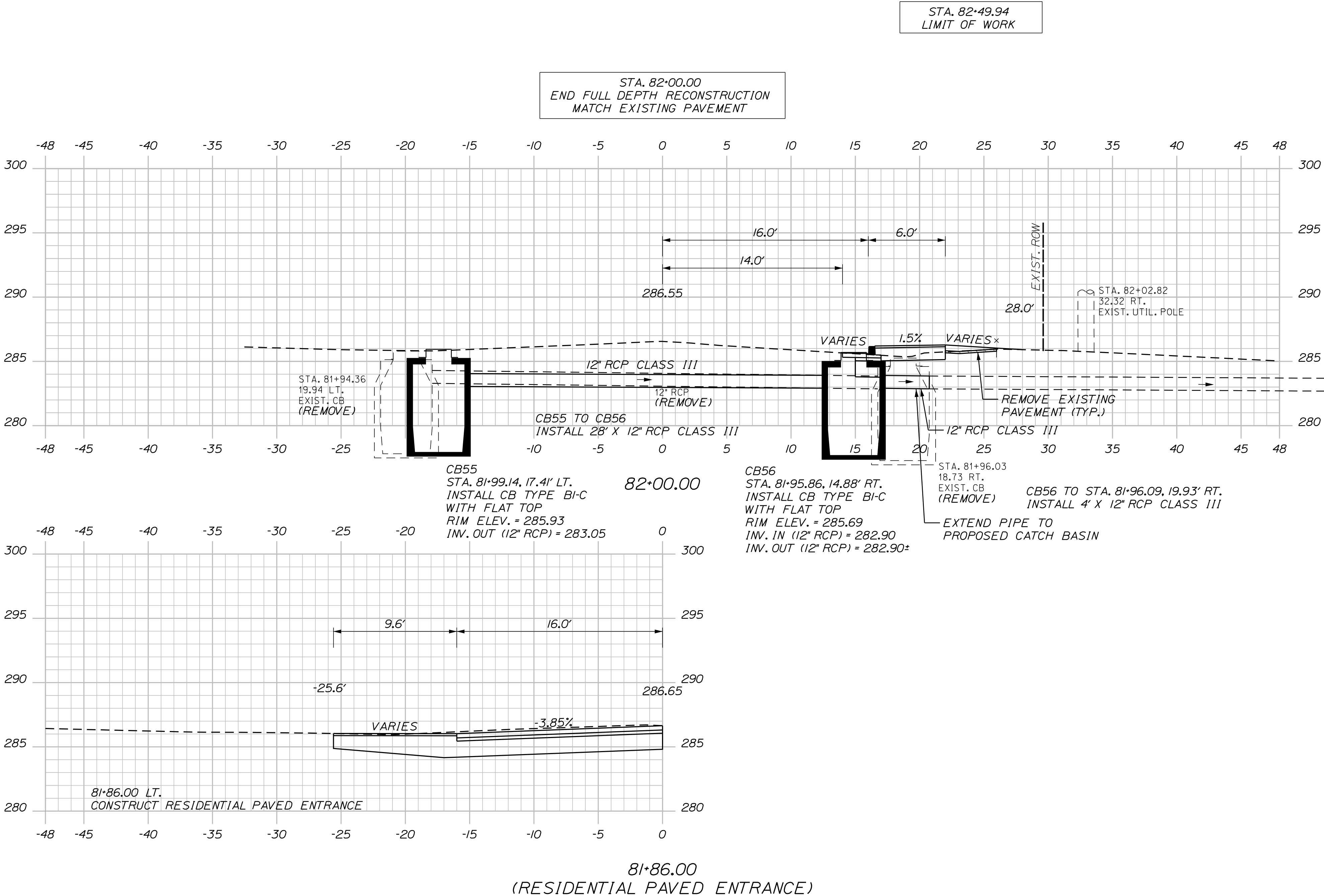
SIGNATURE
P.E. NUMBER
DATE

CITY OF SANFORD
919 MAIN STREET
SANFORD, MAINE 04073

WIN
025335.00

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

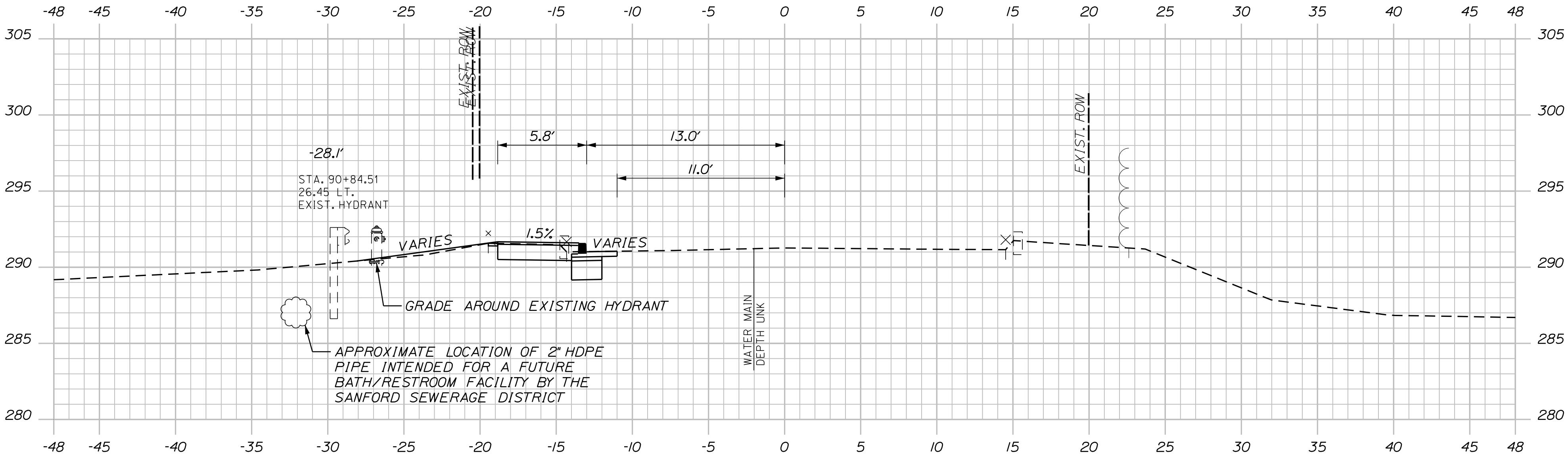
Sta. 81+86.00 to Sta. 82+00.00



OF 84	SHEET NUMBER	83	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	08\24	
			WILLIAM OSCAR EMERY DRIVE				CHECKED-REVIEWED		J.WINCENBACH	D. ETTINGER	08\24	
							DESIGN2-DETAILED2		-	-	-	
			SIDE ROAD CROSS SECTIONS				DESIGN3-DETAILED3		-	-	-	SIGNATURE
							REVISIONS 1		-	-	-	
							REVISIONS 2		-	-	-	DATE
							REVISIONS 3		-	-	-	
							REVISIONS 4		-	-	-	
			FIELD CHANGES		-	-	-					

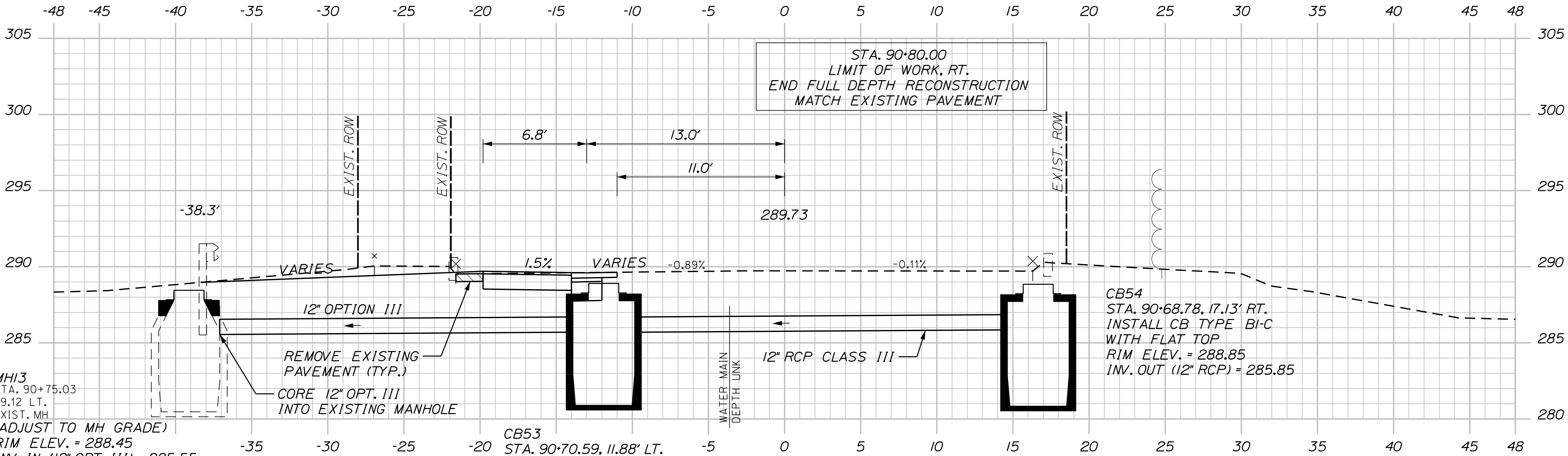
U:\\3421.11_William Oscar Emery & Riverside Improvements\\Z - CAD\\00\\Highway\\Xsect.dgn

STA. 91+37.70, LT.
LIMIT OF WORK

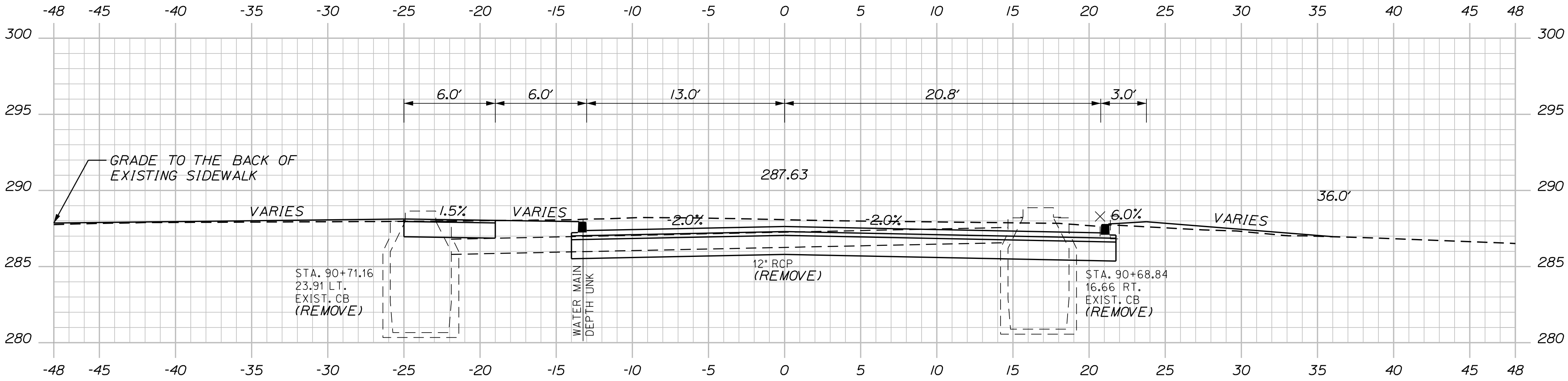


91+00.00

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



90+80.00



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	08/24
CHECKED-REVIEWED	J. WINCHENBACH	D. ETTINGER	08/24
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 84

Sta. 90+50.00 to Sta. 91+00.00