

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



LIVERMORE FALLS

ANDROSCOGGIN

STATE ROUTE 17

NHPP-2264(300)

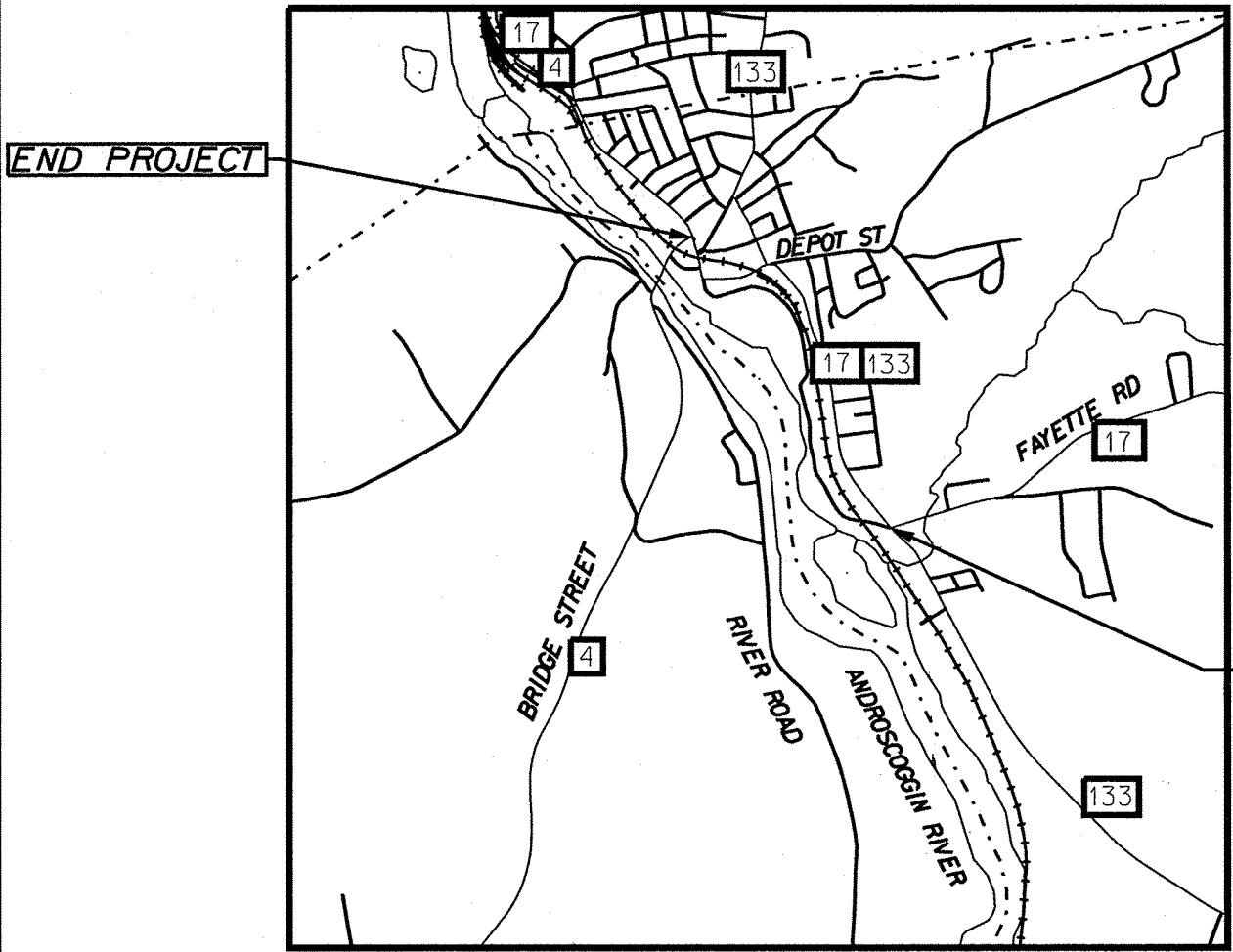
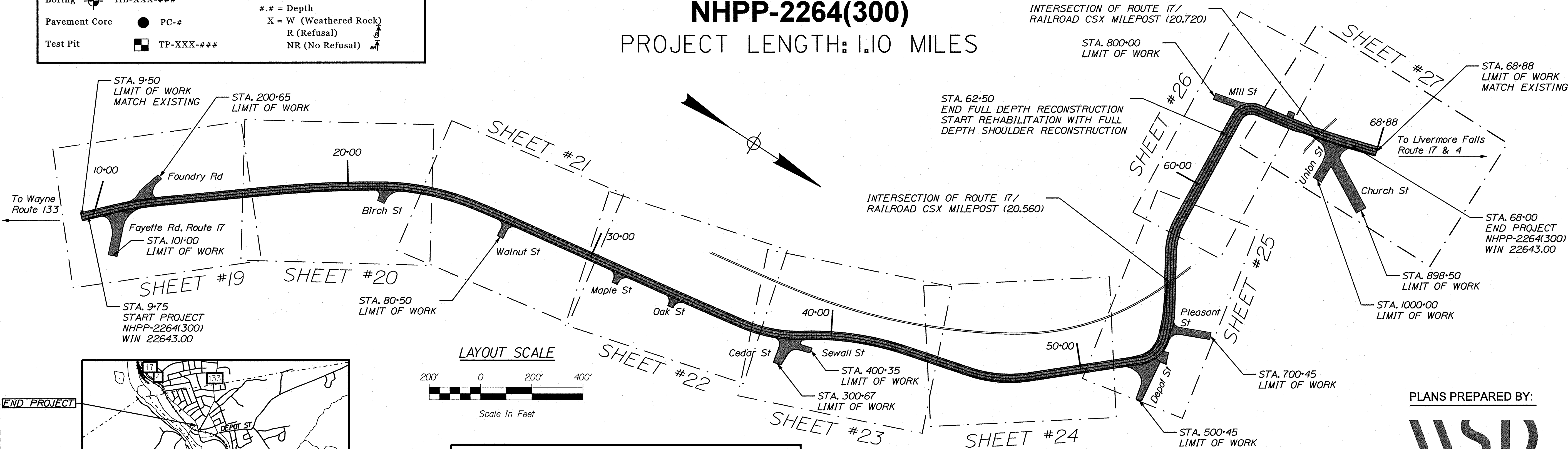
PROJECT LENGTH: 1.10 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2-5
Estimated Quantities	6-7
Drainage Summary	8-13
General Notes	14
Construction Notes	15
Special Details	16-17
Superelevation Table & Earthwork Summary	18
Plan / Profile	19-27
Side Road Plan / Profile	28-34
Drainage Outlet Plan	35
Drainage Outlet Sections	36
Signing, Markings & Geometric Plan	37-45
Curbing Construction Notes	46
Sign Summary	47-49
Cross Sections	50-115
Side Road Cross Sections	116-125
Right of Way Map	126-135
Route 17 Utility Improvements Plans	C1-C17

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	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	Centerline-Existing		
Tree Line	Centerline-Proposed		
Clearing Limit Line	Travelway-Existing		
Railroad	Travelway-Proposed		
Boring	Probe		
Pavement Core			
Test Pit			



TRAFFIC DATA

SR 17 (Main St.) SE/O	
SR 4 (Bridge St.)	
Current (2026) AADT	8,910
Future (2046) AADT	9,800
DHV - % of AADT	10%
Design Hour Volume	980
% Heavy Trucks (AADT)	6%
% Heavy Trucks (DHV)	7%
Directional Distribution (DHV)	54%
18 kip Equivalent P 2.0	391
18 kip Equivalent P 2.5	372
Design Speed (mph)	25 mph & 35 mph
Functional Class	Major Urban Collector
Corridor Priority	Level 2

PROJECT LOCATION:

BEGINNING AT THE JUNCTION OF ROUTE 17 AND ROUTE 133 IN LIVERMORE FALLS AND EXTENDING NORTHERLY 1.10 MILES TO THE JUNCTION OF ROUTE 17 AND BRIDGE STREET

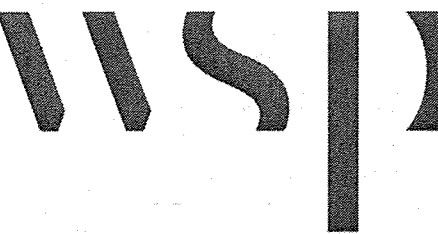
PROGRAM AREA:

HIGHWAY PROGRAM

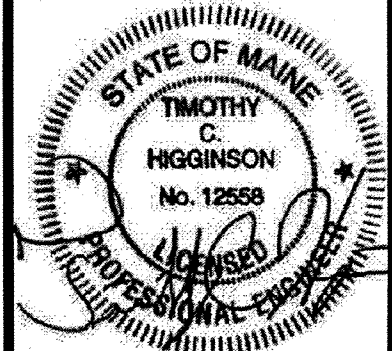
SCOPE OF WORK:

HIGHWAY IMPROVEMENTS

PLANS PREPARED BY:



STATE OF MAINE	DEPARTMENT OF TRANSPORTATION	DATE	7-21-24
	APPROVED	COMMISSIONER	7-20-26



TIMOTHY C. HIGGINSON	SIGNATURE	P.E. NUMBER	12558	DATE	7/01/2026
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PROJECT INFORMATION	PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
	HIGHWAY	ERNEST MARTIN, PE	TIMOTHY HIGGINSON, PE	WSP USA			

LIVERMORE FALLS STATE ROUTE 17	TITLE SHEET
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SHEET NUMBER	1
OF 135	

Date: 6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\WSTA\001_Title.dgn

WIN 22643.00 NHPP-2264(300)

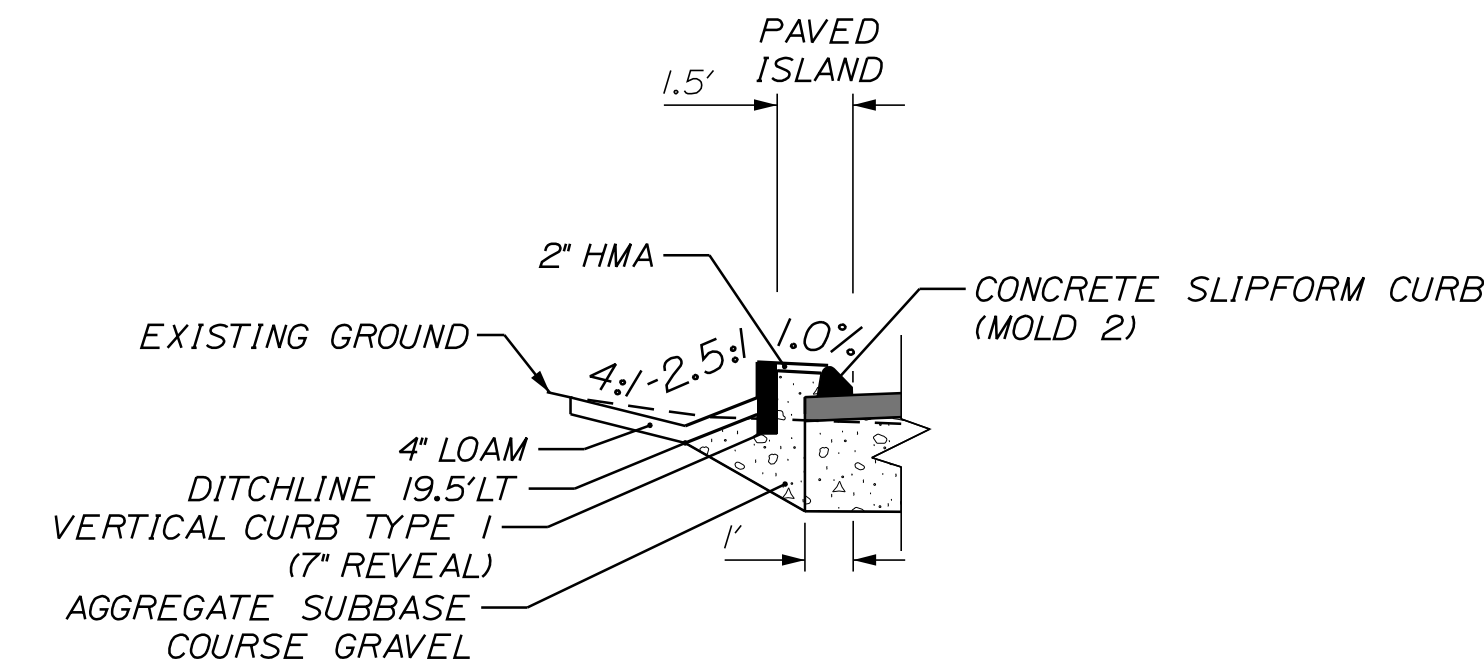
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Division:

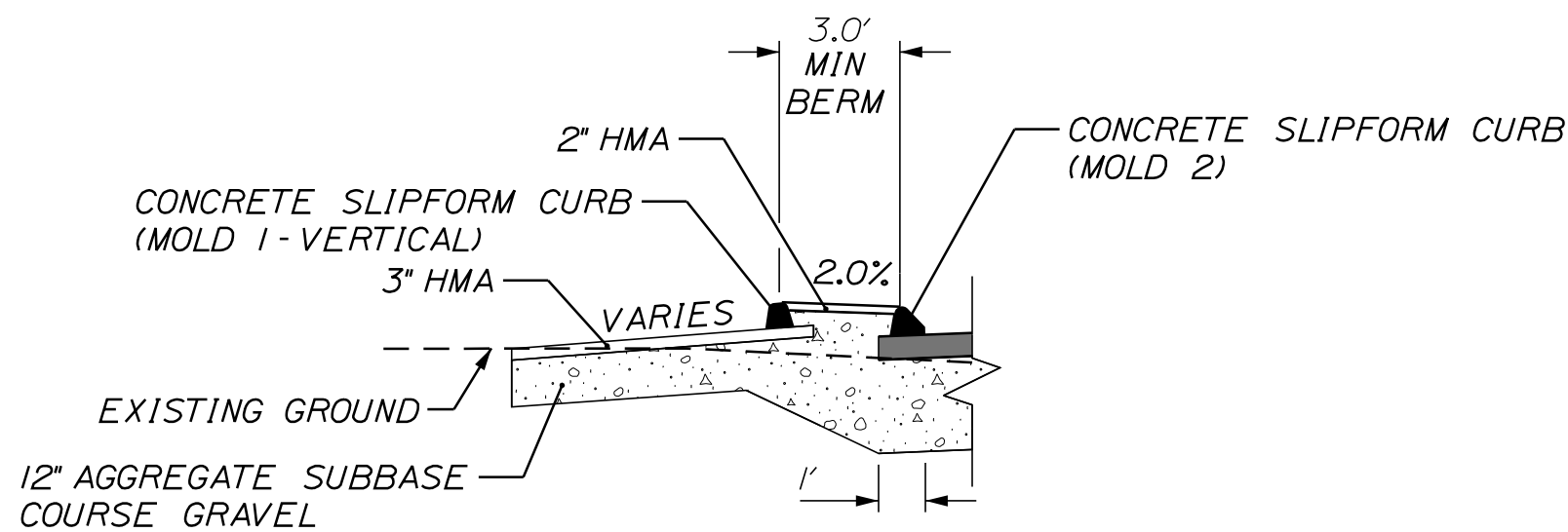
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TYPICAL SECTIONS
RURAL AREA: STA. 9+50 TO 52+00



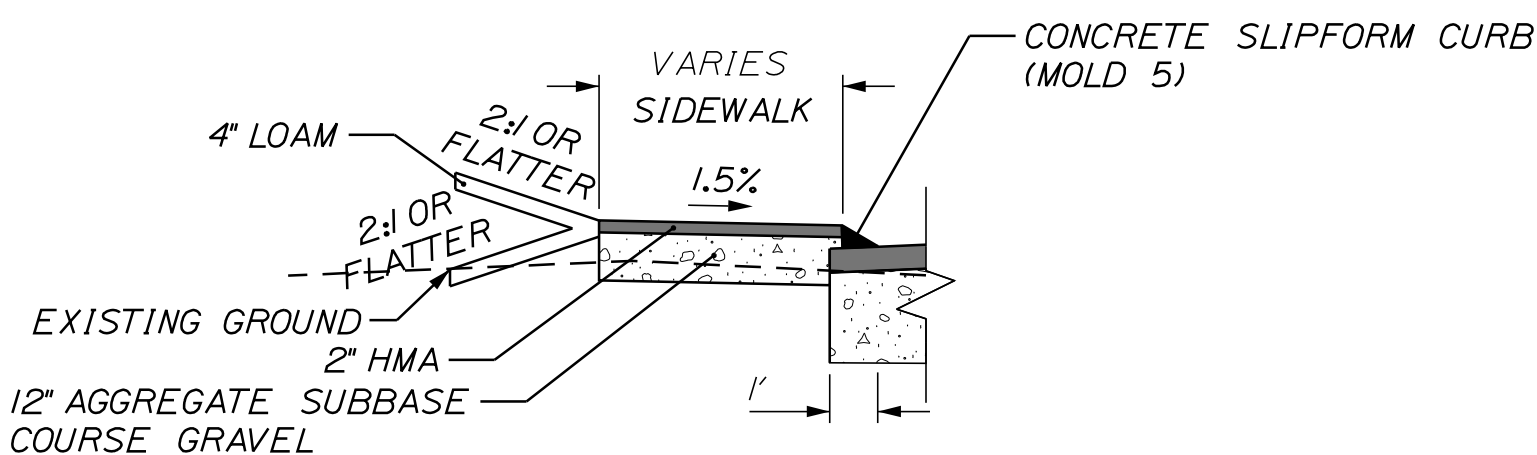
BACK CURB WITH SHALLOW VEE DITCH

STATION TO STATION
41+48 TO 42+00 LT



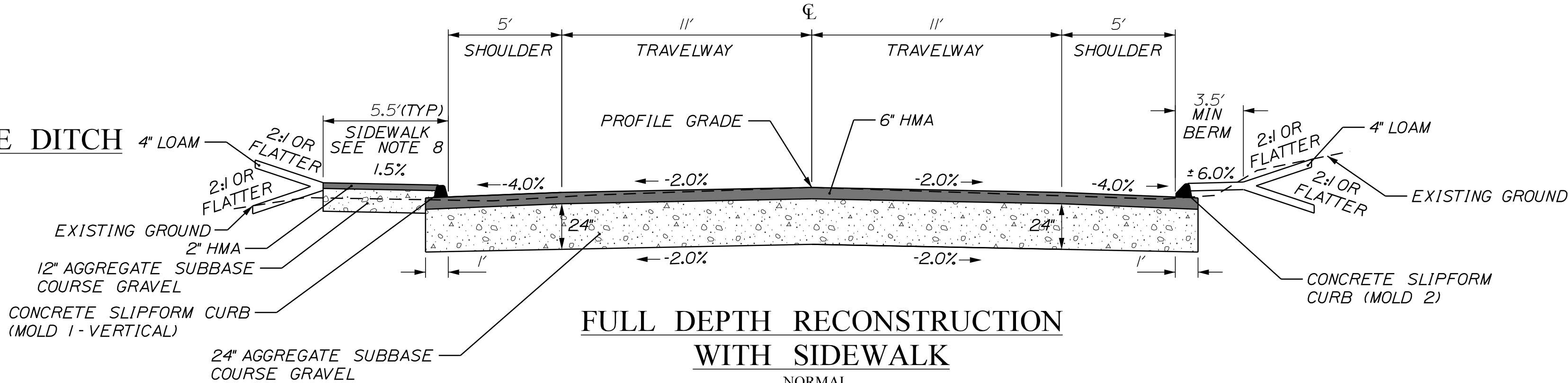
CURBED ISLAND

STATION TO STATION
46+25 TO 46+65 LT
47+03 TO 47+19 LT
47+63 TO 48+06 LT
49+18 TO 50+53 LT
49+75 TO 51+75 RT
53+55 TO 53+93 RT



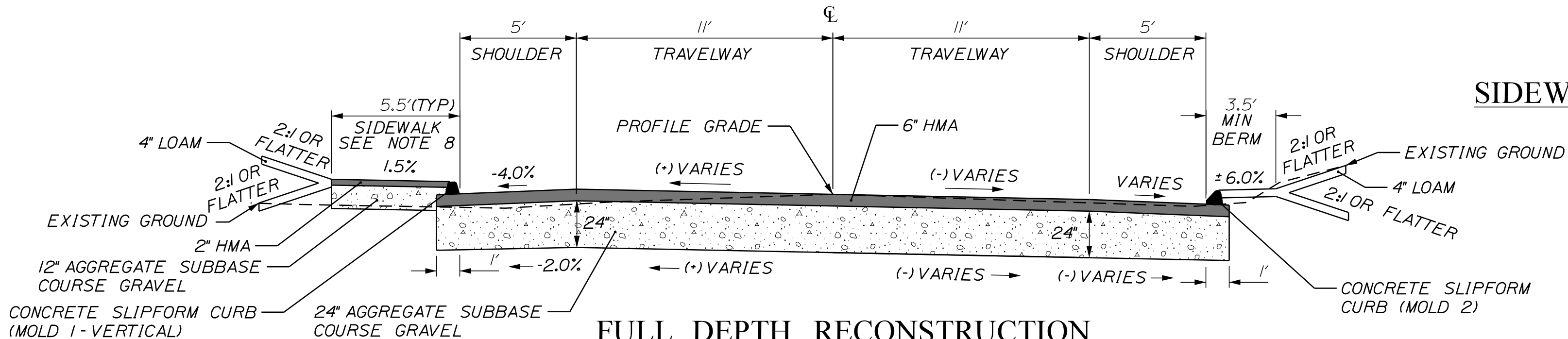
CONCRETE CURB - MOLD 5

STATION TO STATION
12+78 TO 12+88 LT
12+82 TO 12+92 RT



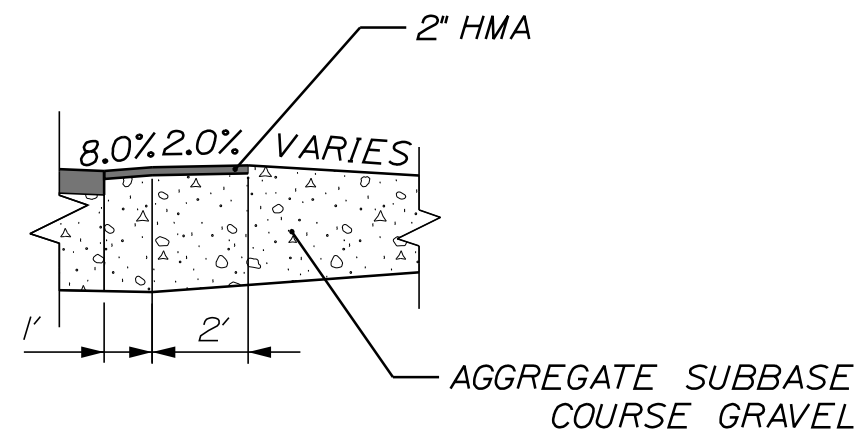
FULL DEPTH RECONSTRUCTION
WITH SIDEWALK
NORMAL

AGGREGATE SUBBASE COURSE GRAVEL		
SIDEWALK SHOULDER 59.7 CY/100 LF	11 FT TRAVEL LANES 163 CY/ 100 LF	CURB SHOULDER 43.1 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
12+42 TO 38+87 LT	13+50 TO 20+25	12+00 TO 37+80 RT
38+87 TO 52+00 RT	26+00 TO 35+75	39+16 TO 52+00 LT
	43+50 TO 44+75	
	48+75 TO 51+50	

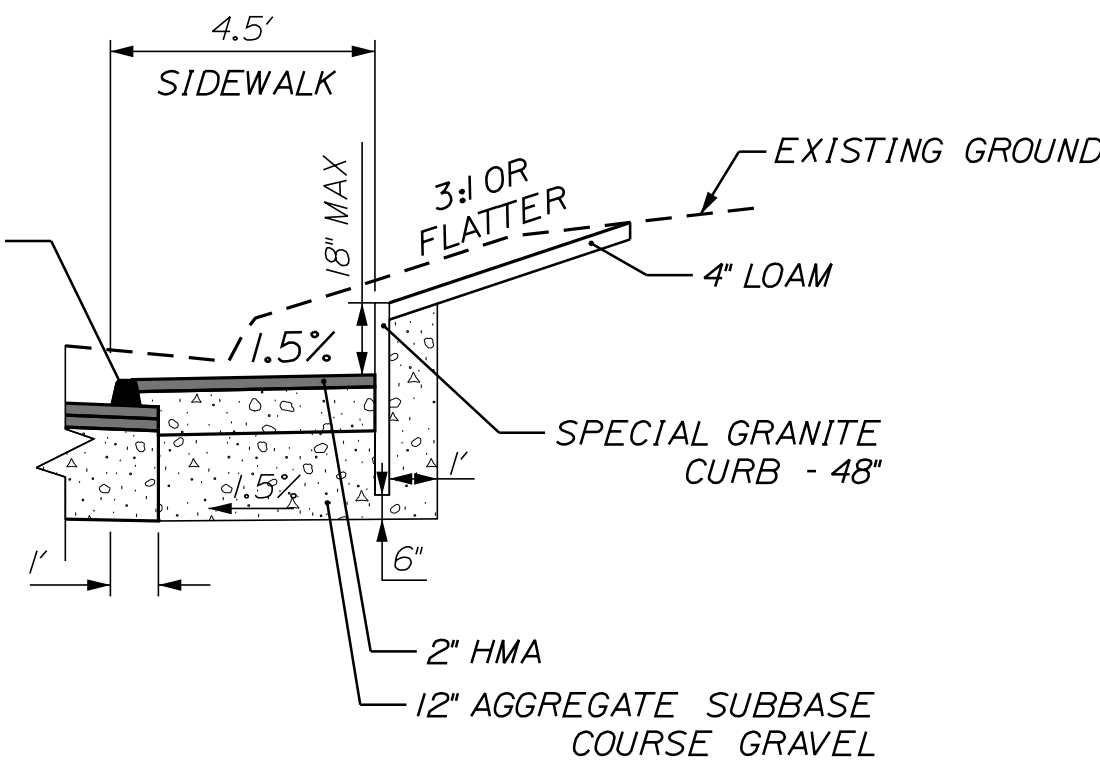


FULL DEPTH RECONSTRUCTION
WITH SIDEWALK
SUPERELEVATED

AGGREGATE SUBBASE COURSE GRAVEL		
HIGH SIDE SUPERELEVATED SHOULDER	11 FT TRAVEL LANES 163 CY/ 100 LF	LOW SIDE SUPERELEVATED SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
10+00 TO 13+50 LT	10+00 TO 13+50	10+00 TO 13+50 RT
20+25 TO 26+00 LT	20+25 TO 26+00	20+25 TO 26+00 RT
35+75 TO 38+90 RT	35+75 TO 43+50	35+75 TO 38+90 LT
38+90 TO 43+50 LT		38+90 TO 43+50 RT
44+75 TO 48+75 RT	44+75 TO 48+75	44+75 TO 48+75 LT
51+50 TO 52+00 RT	51+50 TO 52+00	51+50 TO 52+00 LT

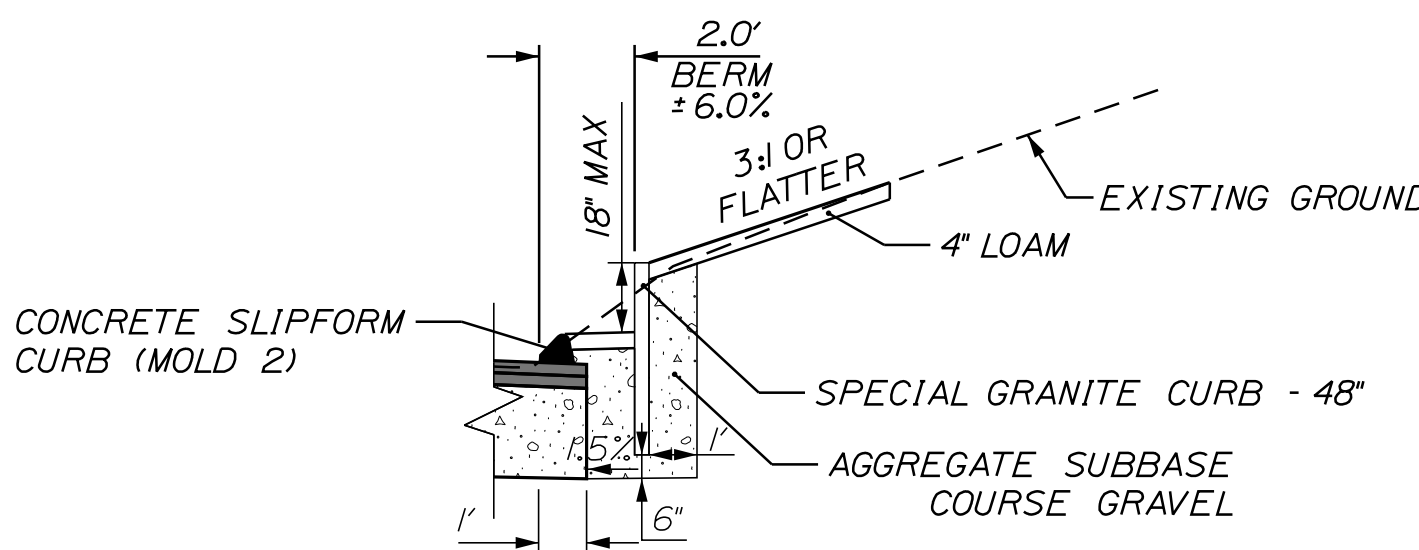


NON-SIDEWALK DRIVE
WITH 8% LIP



SIDEWALK WITH BACK CURB

STATION TO STATION
39+25 TO 42+50 RT



BERM WITH BACK CURB

STATION TO STATION
18+75 TO 19+66 RT
27+50 TO 28+50 RT

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.

2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.

3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4' LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

7. SEE PLAN/PROFILE AND CROSS SECTION SHEETS FOR EXACT LIMITS OF SIDEWALKS, CURBS, AND BERMS.

8. SIDEWALK WIDTH IS 5.50' EXCEPT FOR THE FOLLOWING LOCATIONS
STA. 30+78 TO STA. 31+10 LT = 6.00'
STA. 34+76 TO STA. 35+08 LT = 6.00'
STA. 38+88 TO STA. 42+50 RT = 4.50'
STA. 47+53 TO STA. 48+29 RT = 6.00'
STA. 48+71 TO STA. 49+25 RT = 8.00'
STA. 49+67 TO STA. 51+50 RT = 7.50'

NOT TO SCALE

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	M. GROTE	3/24/26			
T. HIGGINS	L. SWINSON	3/24/26			
CHECKED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	REVISIONS 5	REVISIONS 6
FIELD CHANGES					

SHEET NUMBER

2

OF 135

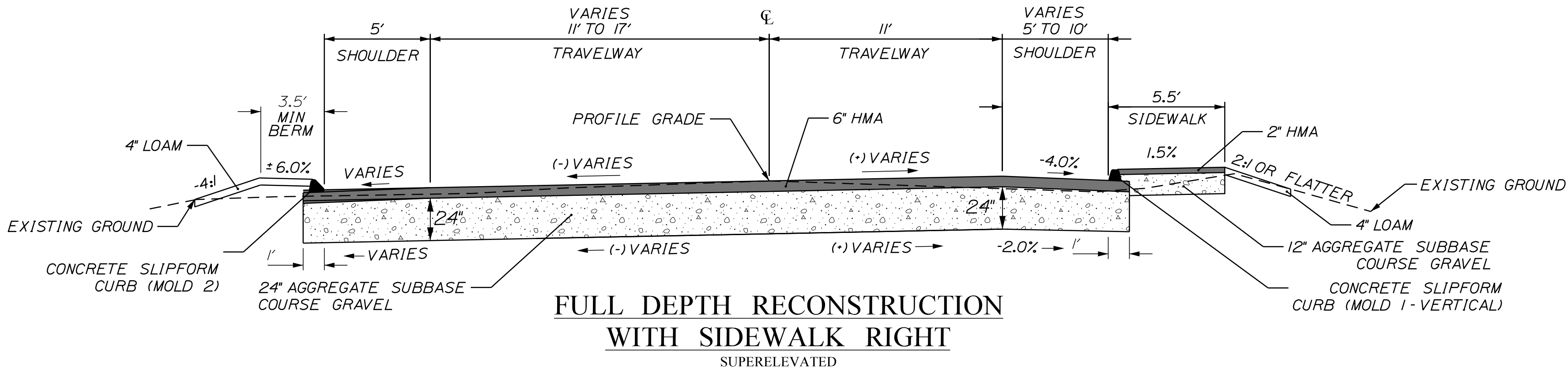
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Username:

Division:

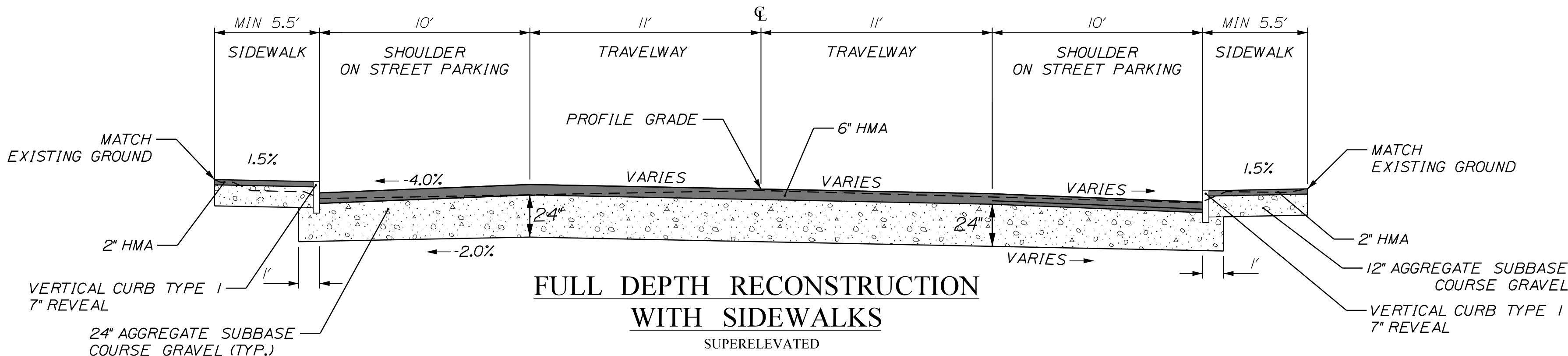
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TYPICAL SECTIONS
RURAL AREA: STA. 52+00 TO 56+15



AGGREGATE SUBBASE COURSE GRAVEL		
HIGH SIDE SUPERELEVATION SHOULDER	11 FT TRAVEL LANES 163 CY/ 100 LF	HIGH SIDE SUPERELEVATION SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
52+00 TO 56+15 RT	52+00 TO 56+15	52+00 TO 56+15 LT

TYPICAL SECTIONS
IN-TOWN AREA: STA. 56+15 TO 59+24



AGGREGATE SUBBASE COURSE GRAVEL		
HIGH SIDE SUPERELEVATION SHOULDER	11 FT TRAVEL LANES 0 CY/ 100 LF	LOW SIDE SUPERELEVATION SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
56+15 TO 59+24 LT	56+15 TO 59+24	56+15 TO 59+24 RT

*VARIABLE WIDTH TRAVELWAY FULL DEPTH
CONSTRUCTION FROM STA. 57+00 TO 59+00

NOTE:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

7. SEE PLAN/PROFILE AND CROSS SECTION SHEETS FOR EXACT LIMITS OF SIDEWALKS, CURBS, AND BERMS.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN
22643.00
HIGHWAY PLANS

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

E. MARTIN
T. HIGGINS
M. GROTE
L. SINTESCU
3/24/26
3/24/26

BY
T. HIGGINS
M. GROTE
L. SINTESCU
3/24/26
3/24/26

DATE
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SIGNATURE
P.E. NUMBER
DATE

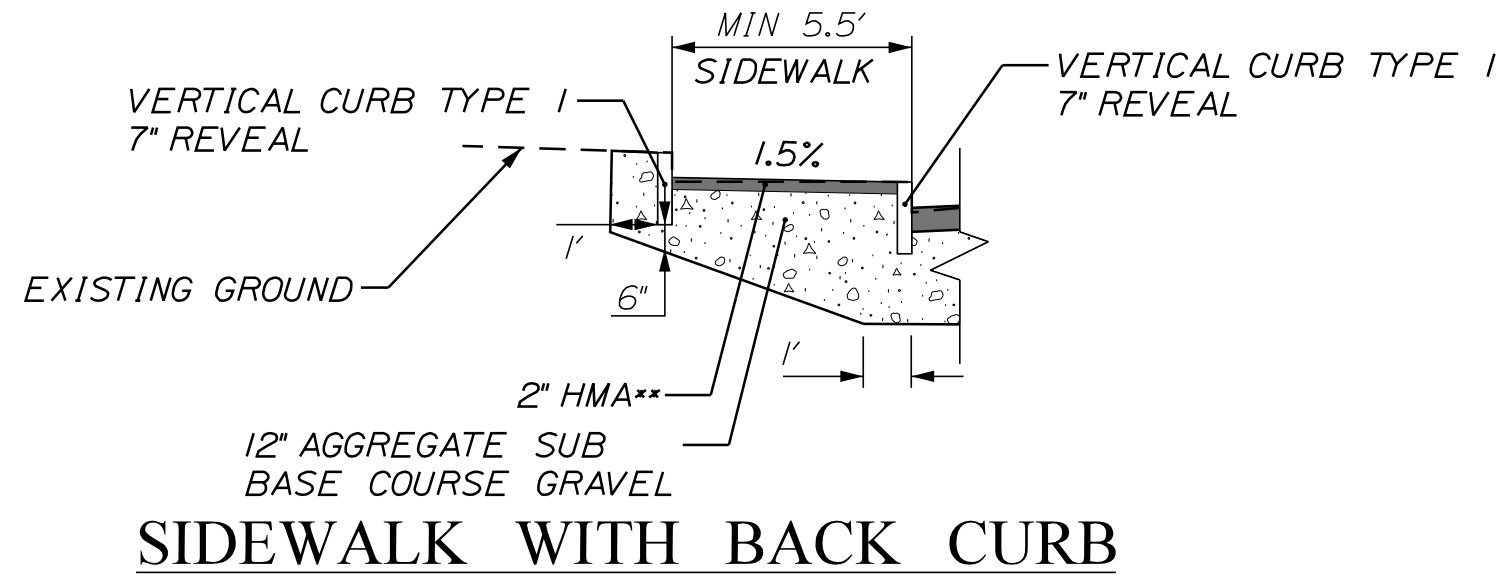
LIVERMORE FALLS
ROUTE 17
TYPICAL SECTIONS

SHEET NUMBER
3
OF 135

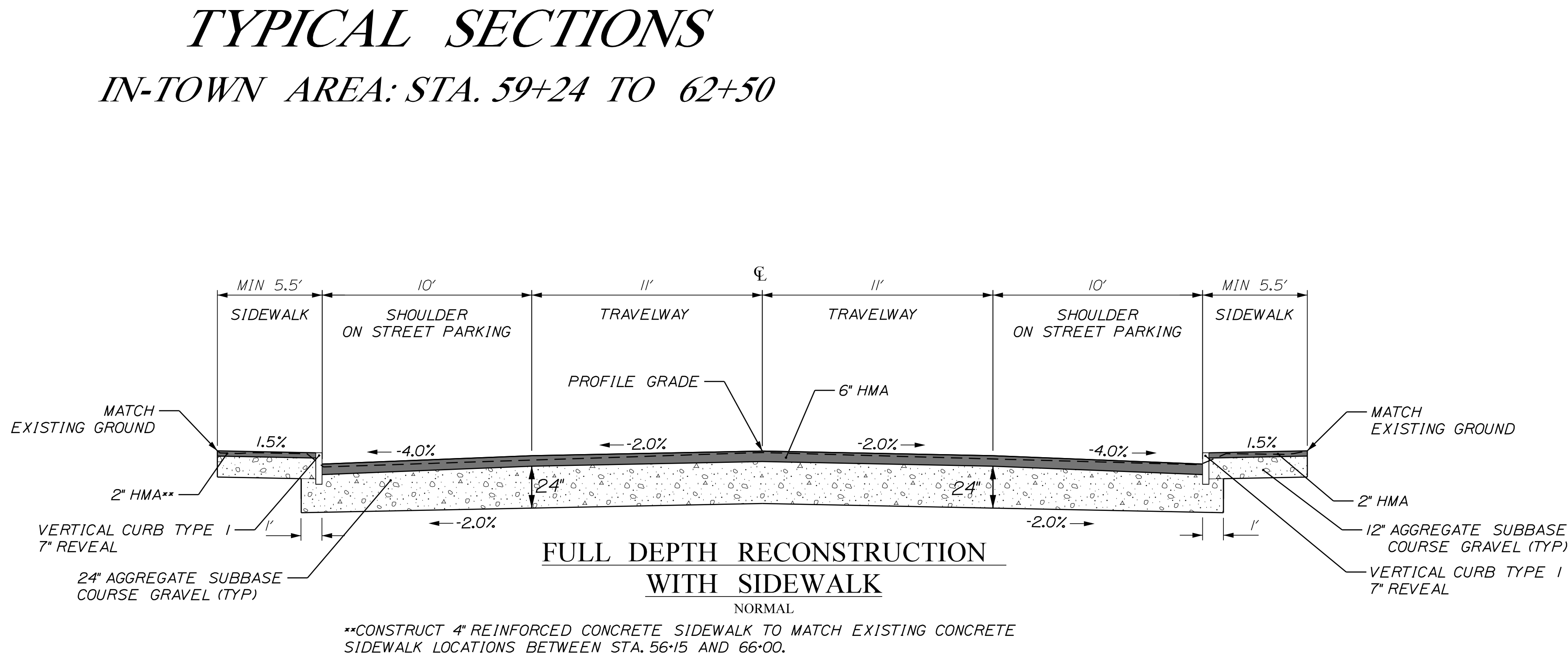
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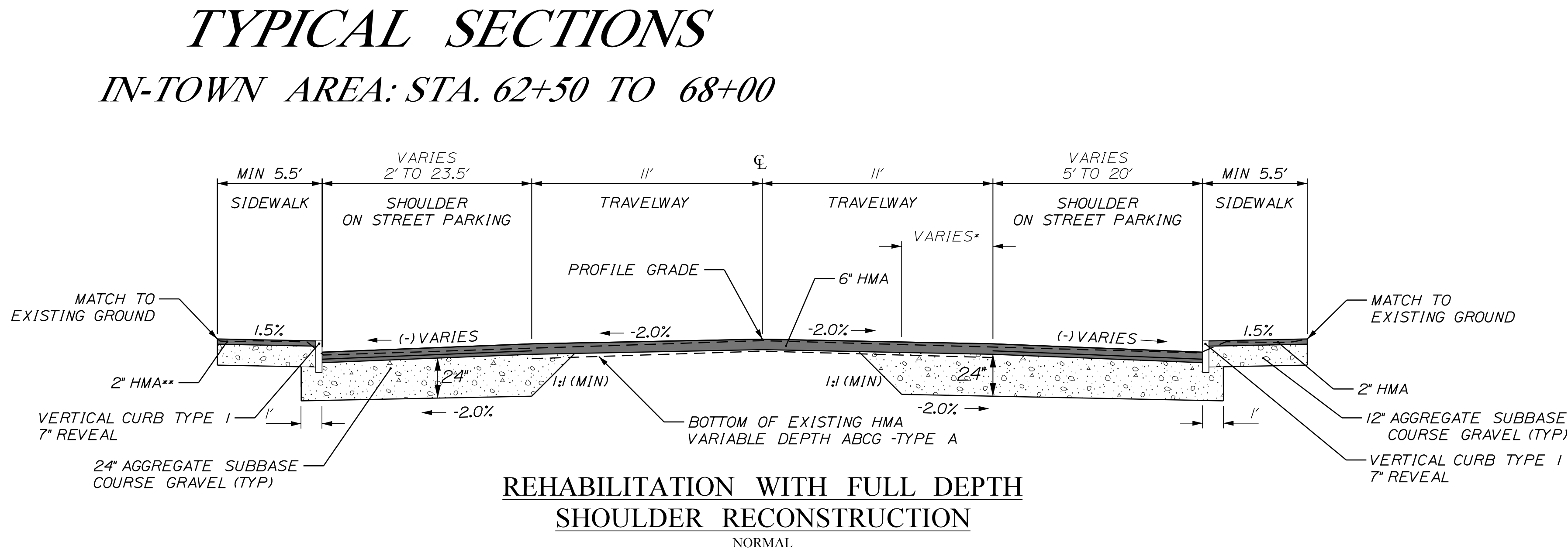
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STATION TO STATION
58+28 TO 59+24 RT
59+33 TO 59+48 LT
59+48 TO 59+66 RT
62+57 TO 63+08 LT
70+11 TO 70+36 LT



AGGREGATE SUBBASE COURSE GRAVEL	
IIFT - IIFT TRAVEL LANES	44 CY / 100 LF
STATION TO STATION	
59+24 TO 62+50	



*FULL DEPTH CONSTRUCTION NB TRAVELWAY FROM STA. 63+75 TO 65+00
**CONSTRUCT 4" REINFORCED CONCRETE SIDEWALK TO MATCH EXISTING CONCRETE SIDEWALK LOCATIONS BETWEEN STA. 56+15 AND 66+00.

AGGREGATE SUBBASE COURSE GRAVEL	
11 FT TRAVEL LANES 0 CY / 100 LF	SIDEWALK SHOULDER VARIES 5' TO 10' CY / 100 LF
STATION TO STATION	
62+50 TO 68+00	

NOTE:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
7. SEE PLAN/PROFILE AND CROSS SECTION SHEETS FOR EXACT LIMITS OF SIDEWALKS, CURBS, AND BERMS.

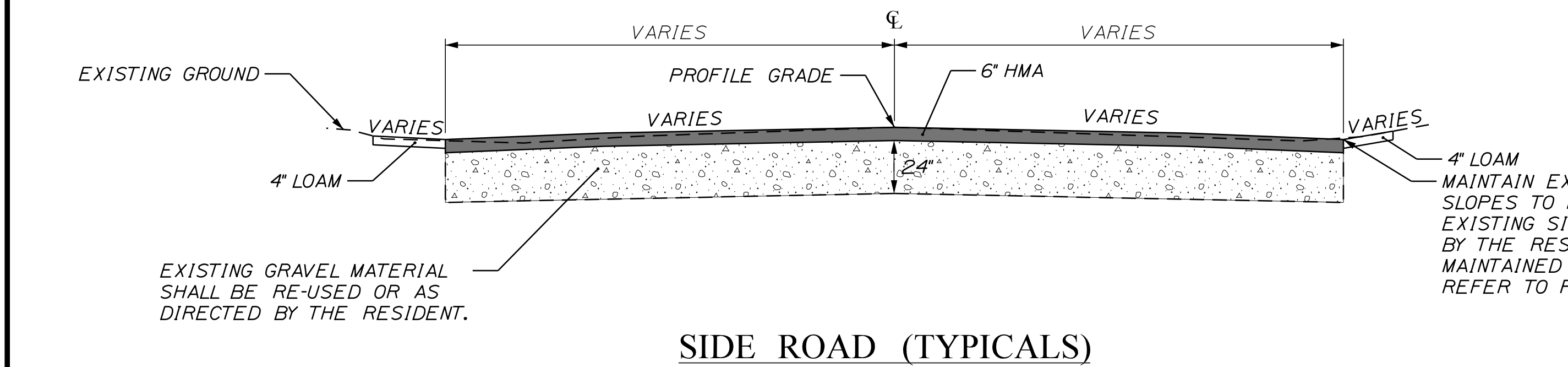
NOT TO SCALE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	(NHPP-2264(300))		WIN 22643.00	HIGHWAY PLANS
LIVERMORE FALLS ROUTE 17	PROJ. MANAGER	E. MARTIN	BY	M. GROTE
	DESIGN-DETAILED	T. HIGGINS	DATE	3/24/26
	CHECKED-REVIEWED	T. HIGGINS	DATE	3/24/26
	DESIGN-DETAILED		SIGNATURE	
	DESIGN-DETAILED		P.E. NUMBER	
TYPICAL SECTIONS	REVISIONS 1		DATE	
	REVISIONS 2			
	REVISIONS 3			
	REVISIONS 4			
	FIELD CHANGES			
SHEET NUMBER		4		
		OF 135		

Date:6/30/2026

Username:

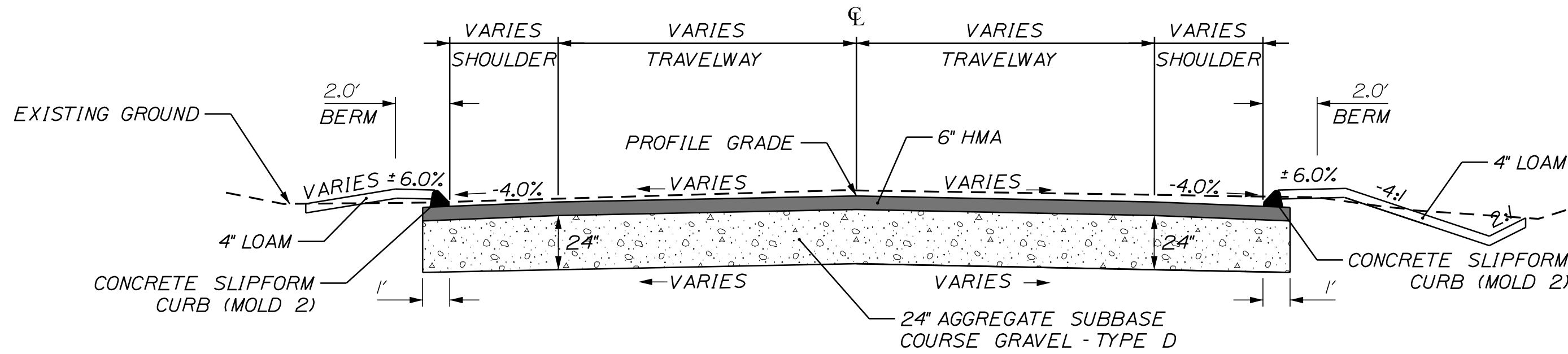
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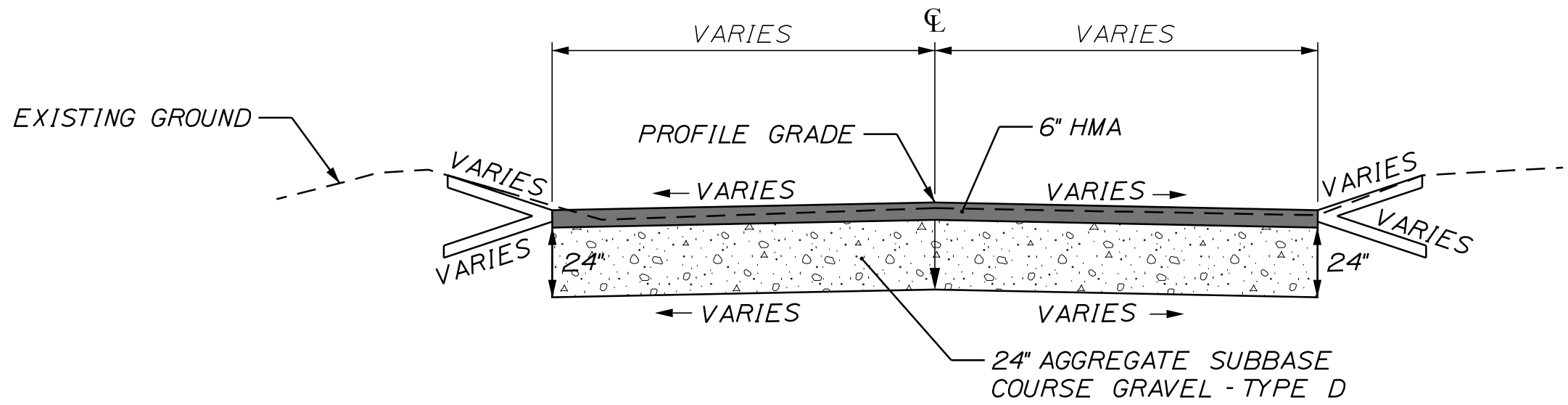
SIDE ROAD (TYPICALS)

BIRCH STREET
WALNUT STREET
MAPLE STREET
OAK STREET
WATER STREET

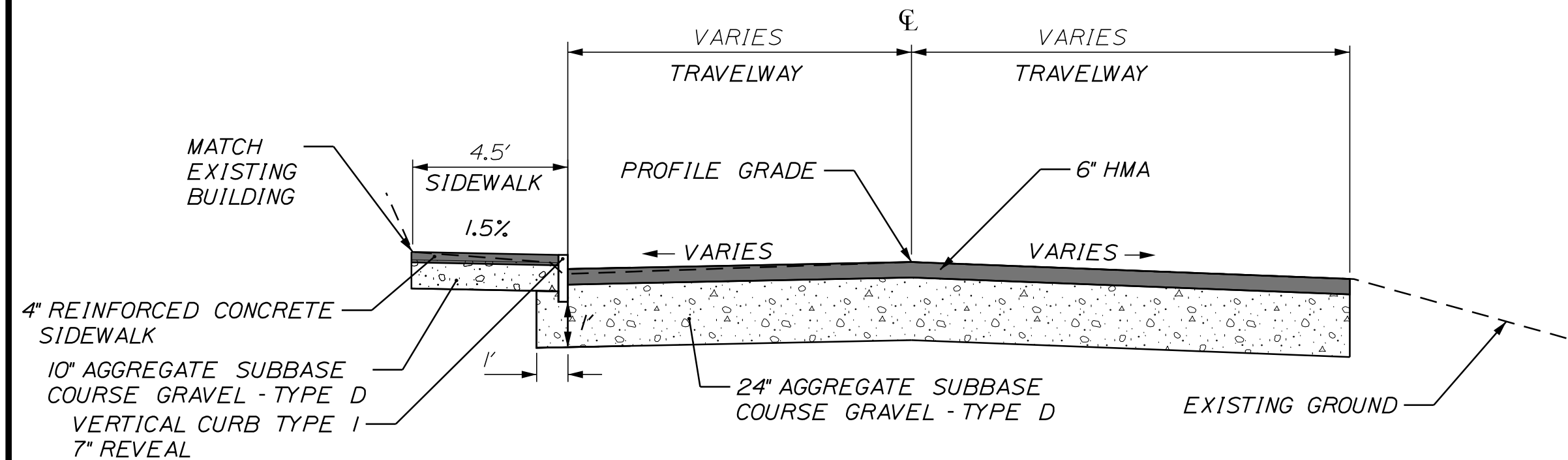
MAINTAIN EXISTING WIDTH AND CROSS SLOPES TO MATCH ROUTE 17. MATCH TO EXISTING SIDEROAD GRADES AS DIRECTED BY THE RESIDENT. WORK SHALL BE MAINTAINED WITHIN EXISTING RIGHT OF WAY. REFER TO PLANS FOR CURB LOCATIONS.



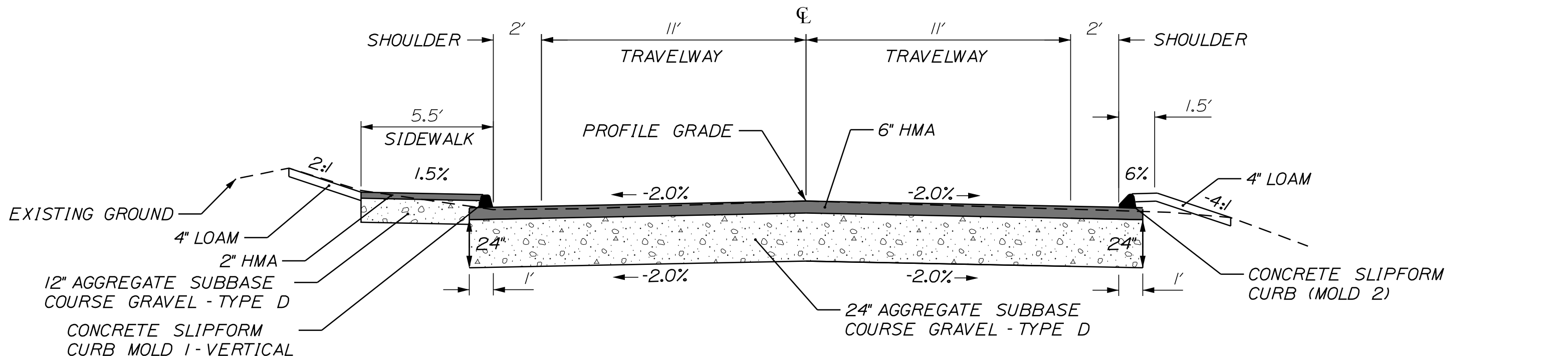
FAYETTE ROAD



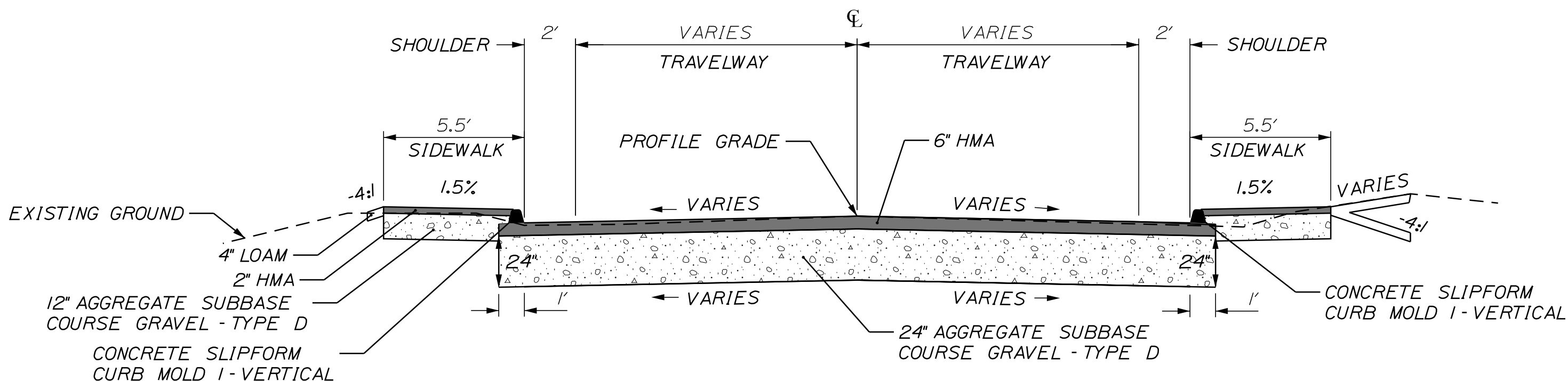
FOUNDRY ROAD, CEDAR & SEWALL STREETS



MILL STREET

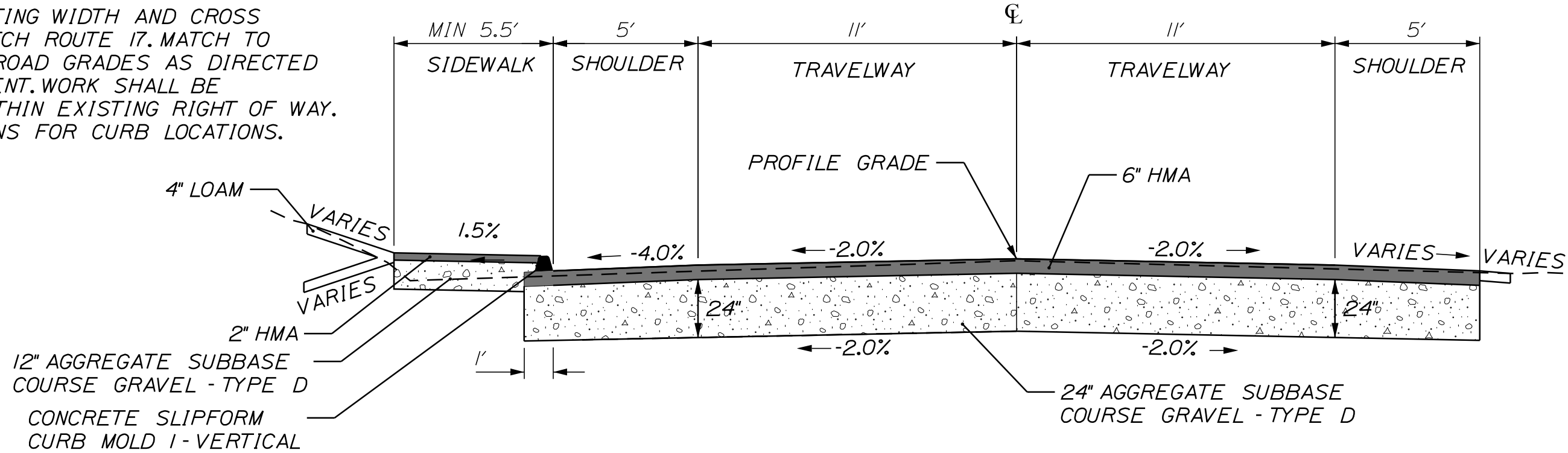


PLEASANT STREET

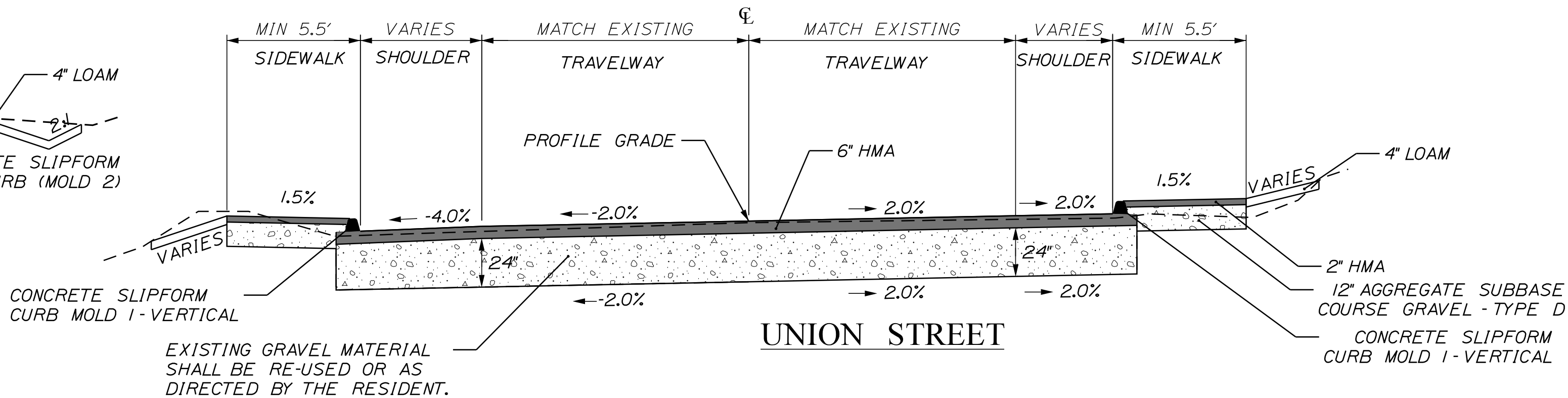


DEPOT STREET

SIDE ROAD TYPICAL SECTIONS



CHURCH STREET



UNION STREET

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN 22643.00
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
E. MARTIN	T. HIGGINS	M. GROTE	L. SWINSON						
BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	3/24/26	3/24/26	3/24/26						
SIGNATURE									
P.E. NUMBER									
DATE									

LIVERMORE FALLS
ROUTE 17
TYPICAL SECTIONS

SHEET NUMBER
5
OF 135

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT	WIN 22643.00 HIGHWAY	LIVERMORE FALLS WATER DISTRICT	LIVERMORE FALLS SEWER DEPARTMENT	TOTAL
201.23	REMOVING SINGLE TREE TOP ONLY	EA	4			4
201.24	REMOVING STUMP	EA	5			5
202.08	REMOVING BUILDING #1	LS	1			1
202.12	REMOVING EXISTING STRUCTURAL CONCRETE	CY	46			46
202.15	REM MANHOLE OR CATCH BASIN	EA	55			55
202.202	REMOVING PAVEMENT SURFACE	SY	950			950
203.20	COMMON EXCAVATION	CY	28100			28100
203.2312	HEALTH AND SAFETY PLAN (HASP)	LS	1			1
203.2333	DISPOSAL/TREATMENT OF SPECIAL EXCAVATION	T	1			1
206.061	STRUCTURAL EARTH (BELOW GRADE STRUCTURES)	CY		100	100	200
206.07	STRUCTURAL ROCK EXCAVATION (DRAINAGE & MINOR STRUCTURES)	CY		100	100	200
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	23100	100	640	23840
304.14	AGGREGATE BASE COURSE - TYPE A	CY	75			75
403.2071	19 MM POLYMER MODIFIED HMA	T	4900	50	250	5200
403.2081	12.5 MM POLYMER MODIFIED HMA	T	2600	40	150	2790
403.209	HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	T	1100	40	20	1160
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	T	2550			2550
409.15	BITUMINOUS TACK COAT - APPLIED	G	1950			1950
502.32	CULVERT END WALL	CY	5			5
502.565	CONCRETE FILL (PIPE FILL)	CY	120			120
524.301	TEMPORARY STRUCTURAL SUPPORT - DRAINAGE OUTLET STA. 49+35 LT	LS	1			1
524.301	TEMPORARY STRUCTURAL SUPPORT - CATCHBASIN REPLACEMENTS STA. 55+93 RT, 56+38 RT	LS	1			1
525.329	CONCRETE BLOCK RETAINING WALL, REMOVE AND RESET	LS	1			1
526.301	PORTABLE CONCRETE BARRIER, TYPE I (400 LF)	LS	1			1
602.30	FLOWABLE CONCRETE FILL	CY		40	15	55
603.001	INSPECT DRAINAGE STRUCTURE/PIPE (CAMERA)	EA	1			1
603.01	24" CULV OPTION III BORING/JACKING	LS	1			1
603.05	6" PVC PIPE	LF	7			7
603.1311	8 " PVC PIPE	LF	30			30
603.155	12" RCP CLASS III	LF	60			60
603.159	12" CULV PIPE OPTION III	LF	440			440
603.165	15" RCP CLASS III	LF	170			170
603.169	15" CULV PIPE OPTION III	LF	320			320
603.175	18" RCP CLASS III	LF	430			430
603.179	18" CULV PIPE OPTION III	LF	290			290
603.195	24" RCP CLASS III	LF	100			100
603.199	24" CULV PIPE OPTION III	LF	680			680
604.072	CATCH BASIN TYPE A1-C	EA	8 2/8			8 2/8
604.077	72" CATCH BASIN TYPE A1-C	EA	1 5/8			1 5/8
604.092	CATCH BASIN TYPE B1-C	EA	42 3/8			42 3/8
604.097	72" CATCH BASIN TYPE B1-C	EA	1			1
604.18	ADJUST MANHOLE OR CB TO GRADE	EA	1			1
604.243	CATCH BASIN TYPE F3-C	EA	1			1
604.245	CATCH BASIN TYPE F4-C	EA	3			3
604.247	CATCH BASIN TYPE F5-C	EA	5			5
604.249	CATCH BASIN TYPE F6-C	EA	1			1
604.252	CATCH BASIN TYPE A5-C	EA	16 4/8			16 4/8
604.252	72" CATCH BASIN TYPE A5-C	EA	1 2/8			1 2/8
604.262	CATCH BASIN TYPE B5-C	EA	27 4/8			27 4/8
604.2622	72" CATCH BASIN TYPE B5-C	EA	1			1
605.09	6" UNDERDRAIN TYPE B	LF	5850			5850

ESTIMATED QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	WIN 22643.00 HIGHWAY	LIVERMORE FALLS WATER DISTRICT	LIVERMORE FALLS SEWER DEPARTMENT	TOTAL
605.11	12" UNDERDRAIN TYPE C	LF	2500			2500
605.12	15" UNDERDRAIN TYPE C	LF	450			450
605.13	18" UNDERDRAIN TYPE C	LF	1300			1300
605.15	24" UNDERDRAIN TYPE C	LF	500			500
606.356	UNDERDRAIN DELINEATOR POST	EA	11			11
606.47	SINGLE WOOD POST	EA	3			3
607.24	REMOVE AND RESET FENCE	LF	540			540
608.08	REINFORCED CONCRETE SIDEWALK	SY	1900			1900
608.10	BRICK SIDEWALK(REM & REBUILD)	SY	21			21
608.26	CURB RAMP DETECTABLE WARNING FIELD	SF	300			300
609.11	VERT CURB TYPE 1	LF	1750			1750
609.1101	SPECIAL GRANITE CURB - 48 INCH	LF	390			390
609.12	VERT CURB TYPE 1- CIRCULAR	LF	200			200
609.21	CONCRETE SLIPFORM CURB TYPE 2	LF	6250			6250
609.219	CONCRETE SLIPFORM TERMINAL END TYPE 2	LF	1150			1150
609.234	TERMINAL CURB TYPE 1 - 4 FOOT	EA	8			8
609.237	TERMINAL CURB TYPE 1 - 7 FOOT	EA	1			1
609.238	TERMINAL CURB TYPE 1 - 8 FOOT	EA	37			37
609.2381	TERMINAL CURB TYPE 1 - 8 FOOT - CIRCULAR	EA	7			7
609.38	RESET CURB TYPE 1	LF	450			450
610.08	PLAIN RIPRAP	CY	8			8
610.16	HEAVY RIPRAP	CY	120			120
610.18	STONE DITCH PROTECTION	CY	9			9
613.319	EROSION CONTROL BLANKET	SY	870			870
615.07	LOAM	CY	1120	25		1145
618.13	SEEDING METHOD NUMBER 1	UN	90	2		92
619.12	MULCH	UN	90	2		92
620.58	EROSION CONTROL GEOTEXTILE	SY	325			325
626.11	PRECAST CONCRETE JUNCTION BOX	EA	8			8
626.421	24" DIAMETER CONCRETE FOUNDATION	LF	70			70
627.18	12" SOLID WHITE PAVEMENT MARKING	LF		10		10
627.733	4" WHITE OR YELLOW PAINTED PAVE MRK LINE	LF	21400	370		21770
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	SF	2600	100		2700
627.78	TEMPORARY 4" PAINT PAVEMENT MARKING LINE WHITE OR YELLOW	LF	54000			54000
629.05	HAND LABOR, STRAIGHT TIME	HR	100			100
631.10	AIR COMPRESSOR (INC OPERATOR)	HR	40			40
631.11	AIR TOOL (INCLUDING OPERATOR)	HR	40			40
631.12	ALL-PURPOSE EXC (INC OPERATOR)	HR	40			40
631.14	GRADER (INCLUDING OPERATOR)	HR	60			60
631.172	TRUCK-LARGE (INC OPERATOR)	HR	40			40
631.18	CHAIN SAW RENTAL(INC OPERATOR)	HR	40			40
631.20	STUMP CHIPPER (INC OPERATOR)	HR	20			20
631.21	ROAD BROOM (INC OPER & HAULER)	HR	25			25
631.32	CULVERT CLEANER (INC OPERATOR)	HR	40			40
634.208	REMOVE AND RESET LIGHT STANDARDS	EA	4			4
639.18	FIELD OFFICE TYPE A	EA	1			1
642.15	PRECAST CONCRETE STEPS	EA	1			1
643.621	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	EA	3			3
645.106	DEMOUNT REG, WRNG, CONF & RTE MARKER SGN	EA	102			102
645.116	REINST REG, WRN, CONF, & RTE MARKER SIGN	EA	102			102

SHEET NUMBER 7 OF 135	LIVERMORE FALLS ROUTE 17	PROJ. MANAGER				E. MARTIN	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED				T.HIGGINSON	M.GROTE	3/24/26	
	CHECKED-REVIEWED				T.HIGGINSON	L.SFINTESCU	3/24/26	SIGNATURE	
	DESIGN2-DETAILED D2							P.E. NUMBER	
	DESIGN3-DETAILED D3								
	REVISED 1								
	REVISED 2							DATE	
	REVISED 3								
	REVISED 4								
	FIELD CHANGES								

Date:6/30/2026

Username:

Division:

Filename: ... \MSTAN008_DrainageSummary1.dgn

STATION	CULVERT PIPE							CATCH BASIN														MANHOLE (CB WITH SOLID COVER)			UNDERDRAIN				ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS																							
	RCP			OPTION III																					TYPE B		TYPE C				DESCRIPTIONS																						
				SMOOTHLINED		CORRUGATED																										LENGTH	LENGTH	SMOOTHLINED																			
	SIZE(in)	LENGTH	CLASS	SIZE(in)	LENGTH	SIZE(in)	LENGTH	A1-C	B1-C	A5-C	B5-C	F3-C	F4-C	F5-C	F6-C	F7-C	F8-C	CBI	R-3303	D1	D2	DMH	LENGTH	LENGTH	SIZE(in)	LENGTH																											
CATCH BASINS AND MANHOLES																																																					
System 1 - Sta. 13+50 to Sta. 16+00																																																					
CB-1	STA. 13+42.0, 15.83' LT.																												FLAT TOP																								
CB-2	STA. 13+42.0, 14.88' RT.																												RETAIN AND ADJUST TO GRADE																								
System 2 - Sta. 16+00 to Sta. 18+75																																																					
CB-3	STA. 16+25.00, 14.88' RT.																												FLAT TOP																								
CB-4	STA. 16+80.00, 14.88' RT.																																																				
CB-5	STA. 16+80.00, 15.83' LT.																												2' CONE																								
System 3 - Sta. 18+75 to Sta. 22+00																																																					
CB-7	STA. 20+63.00, 14.88' RT.																												FLAT TOP																								
CB-8	STA. 20+37.48, 14.88' RT.																												FLAT TOP																								
CB-9	STA. 20+37.48, 15.83' LT.																												2' CONE																								
System 4 - Sta. 22+00 to Sta. 27+50																																																					
CB-12	STA. 26+58.00, 32.00' RT.																																																				
CB-13	STA. 26+35.00, 32.00' RT.																																																				
CB-14	STA. 26+17.00, 14.17' LT.																												FLAT TOP																								
CB-15	STA. 26+17.00, 14.88' RT.																																																				
CB-16	STA. 24+33.00, 14.88' RT.																																																				
CB-18	STA. 21+90.00, 14.88' RT.																												FLAT TOP																								
CB-19	STA. 21+74.00, 15.83' LT.																												2' CONE																								
System 5 - Sta. 27+50 to Sta. 38+50																																																					
CB-21	STA. 30+00.00, 14.88' RT.																												FLAT TOP																								
CB-22	STA. 31+00.00, 14.88' RT.																												FLAT TOP																								
CB-23	STA. 31+17.93, 33.00' RT																												FLAT TOP																								
CB-24	STA. 31+37.91, 33.00' RT.																												FLAT TOP																								
CB-25	STA. 31+52.00, 14.88' RT.																												6' DIAMETER WITH FLAT TOP																								
CB-26	STA. 30+00.00, 14.88' LT.																																																				
CB-27	STA. 31+00.00, 14.88' LT.																												NO SUMP																								
CB-28	STA. 32+30.00, 14.88' LT.																												FLAT TOP																								
CB-29	STA. 31+75.00, 15.83' LT.																												FLAT TOP, NO SUMP																								
CB-30	STA. 31+75.00, 14.88' RT.																												FLAT TOP																								
CB-31	STA. 32+45.00, 14.88' RT.																																																				
CB-32	STA. 33+73.94, 33.00' RT.																												NO SUMP																								
CB-33	STA. 33+54.19, 33.00' RT.																												FLAT TOP																								
CB-34	STA. 33+30.00, 14.88' RT.																												FLAT TOP																								
CB-35	STA. 400+39.14, 14.17' RT.																												FLAT TOP																								
CB-36	STA. 400+57.16, 16.46' LT.																												FLAT TOP																								
CB-37	STA. 37+75.00, 21.00' RT.																												FLAT TOP																								
CB-39	STA. 36+00.00, 14.88' RT.																												FLAT TOP																								
CB-40	STA. 34+75.00, 14.88' RT.																												FLAT TOP																								
CB-42	STA. 34+85.00, 15.83' LT.																												2' CONE																								
CB-43	STA. 34+75.00, 87.00' LT.																												SOLID COVER																								
System 6 - Sta. 38+50 to Sta. 48+00																																																					
CB-45	STA. 41+00.00, 14.88' RT.																																																				
CB-46	STA. 42+50.00, 14.88' RT.																																																				
CB-47	STA. 44+40.00, 14.88' RT.																																																				
CB-48	STA. 45+12.00, 26.50' RT.																																																				
CB-49	STA. 45+12.00, 14.88' RT.																																																				
CB-50	STA. 46+87.00, 57.47' RT.																												FLAT TOP																								
CB-51	STA. 46+87.00, 15.83' RT.																												2' CONE																								
CB-52	STA. 45+55.00, 14.88' RT.																																																				
CB-53	STA. 41+35.00, 32.23' LT.																																																				
CB-54	STA. 41+55.00, 15.83' LT.																												2' CONE																								
CB-55	STA. 43+10.00, 15.83' LT.																												2' CONE																								
CB-56	STA. 46+30.00, 14.88' LT.																																																				
CB-57	STA. 45+60.00, 14.17' LT.																												2' CONE																								

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17

DRAINAGE SUMMARY

SHEET NUMBER
8
OF 135

STATION	CULVERT PIPE								CATCH BASIN														MANHOLE (CB WITH SOLID COVER)			UNDERDRAIN				ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			OPTION III				TYPE B																		TYPE C					
				SMOOTHLINED		CORRUGATED																				TYPE B	OUTLET	SMOOTHLINED			
	SIZE(in)	LENGTH	CLASS	SIZE(in)	LENGTH	SIZE(in)	LENGTH	A1-C	B1-C	A5-C	B5-C	F3-C	F4-C	F5-C	F6-C	F7-C	F8-C	CBI	R-3303	D1	D2	DMH	LENGTH	LENGTH	SIZE(in)	LENGTH					
System 7 - Sta. 48+00 to Sta. 53+25																															
CB-60	STA. 51+75.00, 14.88' RT.										1																				
CB-61	STA. 50+62.68, 72.33' RT.								1																		FLAT TOP, CONNECTING TO EXISTING PIPE				
CB-62	STA. 50+63.00, 18.00' RT.								1																						
CB-63	STA. 49+32.00, 36.00' RT.								1																						
CB-64	STA. 49+35.00, 18.83' RT.										1 3/8																				
CB-65	STA. 51+75.00, 29.00' LT.												1																		
CB-66	STA. 51+75.00, 14.88' LT.													1																	
CB-67	STA. 49+84.00, 14.17' LT.										1																2' CONE				
CB-68	STA. 49+35.00, 14.17' LT.										1 3/8																				
CB-69	STA. 49+35.00, 63.00' LT.								1 2/8																						
CB-70	STA. 49+24.73, 119.33' LT.								1 7/8																						
MH-71	STA. 49+21.48, 136.79' LT.																		1 5/8												
System 8 - Sta. 53+25 to Sta. 59+90																															
CB-73	STA. 500+96.15, 15.81' RT.										1																2' CONE				
CB-74	STA. 52+83.42, 44.90' RT.										1																FLAT TOP				
CB-76	STA. 52+97.56, 33.60' RT.										1																				
CB-77	STA. 701+10.00, 11.66' LT.								1																		FLAT TOP				
CB-79	STA. 701+20.00, 11.27' RT.								1																		FLAT TOP				
CB-80	STA. 54+38.00, 19.88' RT.										1																6' DIAMETER WITH FLAT TOP				
CB-82	STA. 55+39.00, 19.97' LT.								1																		FLAT TOP				
CB-83	STA. 55+68.00, 19.88' RT.								1																		FLAT TOP				
CB-84	STA. 55+95.50, 31.00' RT.								1																		FLAT TOP				
CB-85	STA. 56+45.00, 33.50' RT.								1																		FLAT TOP				
CB-86	STA. 56+70.00, 19.88' RT.									1																	FLAT TOP				
CB-87	STA. 57+58.00, 19.88' RT.									1																					
CB-89	STA. 57+20.00, 19.88' RT.									1																					
CB-90	STA. 56+75.00, 19.88' LT.								1																						
CB-91	STA. 57+20.00, 19.88' LT.								1 1/8																						
System 9 - Sta. 59+90 to Sta. 68+00																															
CB-95	STA. 900+00.00, 14.88' RT.								1 1/8																						
CB-96	STA. 900+00.00, 14.88' LT.							1 3/8																							
CB-97	STA. 901+92.00, 33.94' RT.									1																	1' SUMP				
CB-98	STA. 901+80.00, 14.88' LT.							1 5/8																							
CB-99	STA. 1000+55.00, 20.23' LT.							1																							
CB-100	STA. 902+55.00, 28.08' LT.									1 3/8																					
CB-101	STA. 67+88.00, 22.94' RT.									1																	2' CONE				
CB-102	STA. 67+10.00, 24.26' LT.							1																							
CB-103	STA. 66+70.00, 25.65' RT.									1 2/8																	6' DIAMETER WITH FLAT TOP				
CB-105	STA. 66+15.00, 25.30' RT.									1 2/8																					
CB-106	STA. 64+38.00, 26.17' RT.									1 2/8																	2' CONE				
CB-107	STA. 63+48.00, 23.00' RT.									1 1/8																	2' CONE				
CB-108	STA. 65+57.00, 22.26' LT.									1																	FLAT TOP				
CB-109	STA. 63+54.00, 33.70' LT.									1																	FLAT TOP				
CB-110	STA. 63+54.00, 43.21' LT.													1																	
CB-111A	STA. 60+14.42, 33.98' RT.													1																	
CB-111B	STA. 60+14.42, 19.88' RT.							1																							
CB-112	STA. 61+27.00, 19.88', RT.									1 1/8																					
CB-113	STA. 63+00.00, 19.88' RT.									1 1/8																	2' CONE				
CB-114	STA. 61+23.00, 19.88' LT.									1 1/8																	2' CONE				
CB-115	STA. 63+00.00, 19.88' LT.									1 1/8																	2' CONE				
CB-116	STA. 63+39.21, 30.98' LT.							1 5/8																			6' DIAMETER WITH SOLID COVER				
CB-117A	STA. 800+40.00, 5.27' LT.								1 1/8																		FLAT TOP				
CB-117B	STA. 800+40.00, 10.00' RT.													1																	
CB-118	STA. 1101+32.27							1 1/8																			SOLID COVER				
MH-119	STA. 1102+21.14																		2 1/8												

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17
DRAINAGE SUMMARY

SHEET NUMBER
9
OF 135

Date:6/30/2026

Username:

Division: File: ... \MSTA\008_DrainageSummary1.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP P-2264(300))
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17
DRAINAGE SUMMARY

SHEET NUMBER
9
OF 135

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

DATE
3/24/26
3/24/26

BY
T.HIGGINS
T.HIGGINS
L.S.FINTESE

SIGNATURE
P.E. NUMBER
DATE

STATION	CULVERT PIPE							CATCH BASIN														MANHOLE (CB WITH SOLID COVER)			UNDERDRAIN				ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			OPTION III																					TYPE B		TYPE C			
				SMOOTHLINED		CORRUGATED																			TYPE B	OUTLET	SMOOTHLINED		DESCRIPTIONS	
	SIZE(in)	LENGTH	CLASS	SIZE(in)	LENGTH	SIZE(in)	LENGTH	A1-C	B1-C	A5-C	B5-C	F3-C	F4-C	F5-C	F6-C	F7-C	F8-C	CBI	R-3303	D1	D2	DMH	LENGTH	LENGTH	SIZE(in)	LENGTH				
System 7 - Sta. 48+00 to Sta. 53+25																														
CB-63 TO CB-64				18	17'																									
STA. 49+27.22, 47.0' RT. TO CB-63				15	10'																							CONNECT TO EXIST.		
CB-68 TO CB-69				24	44'																									
CB-69 TO CB-70				24	54'																									
CB-70 TO MH-71				24	13'																									
MH-71 TO EXIST. PIPE				24	7'																							CONNECT TO EXIST.		
CB-61 TO CB-62				12	52'																									
EXIST. PIPE TO CB-61				6	5'																							CONNECT CB TO EXIST. PIPE (PVC)		
CB-66 TO CB-65				12	11'																									
CB-64 TO CB-68	24	28'	III																											
System 8 - Sta. 53+25 to Sta. 59+90																														
CB-73 TO CB-74				12	47'																									
CB-74 TO CB-76				12	18'																									
CB-76 TO CB-80				15	154'																							CURVILINEAR PIPE		
EXIST. PIPE TO CB-76				12	10'																							CONNECT TO EXIST		
CB-77 TO CB-79	18	21'	III																											
CB-79 TO CB-80						24	32'																							
CB-82 TO CB-83	18	46'	IV																											
CB-83 TO CB-84				24	26'																									
STA. 55+97.32, 39.7' RT. TO CB-84				18	10'																							CONNECT TO EXIST.		
CB-84 TO CB-85																												EXISTING 24" CMP CULVERT TO REMAIN		
CB-85 TO CB-86				24	25'																									
STA. 57+19.96, 50.5' RT. TO CB-89				18	29'																									
CB-89 TO CB-91	24	36'	III																											
CB-91 TO STA. 57+35.20, 82.0' LT.				24	63'																									
System 9 - Sta. 59+90 to Sta. 68+00																														
CB-111A TO CB-111B				12	12'																									
STA. 61+12.17, 35.3' RT. TO CB-112				15	20'																							CONNECT TO EXIST.		
CB-113 TO CB-115	18	36'	III																											
CB-107 TO CB-116	18	50'	III																											
CB-116 TO CB-117A						24	52'																							
CB -117B TO CB-117A				12	12'																									
CB-117A TO CB-118						24	60'																							
CB-118 TO MH-119						24	85'																							

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP P-2264(300))
WIN
226443.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17

DRAINAGE SUMMARY

SHEET NUMBER
11
OF 135

Date:6/30/2026

Username:

Division:

Filename: ...\\MSTAO14_GeneralNotes.dgn

GENERAL NOTES

1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.

2. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

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

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

5. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.

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

7. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.

8. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.

9. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.

10. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL OR 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES OF UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

11. GRASS ENTRANCES SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF LOAM, SEEDED & MULCHED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

12. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

13. ALL PAVED WALKS SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

14. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.

15. ALL EXISTING PAVED SHOULDERS AND WIDENINGS SHALL BE RESURFACED AS DIRECTED BY THE RESIDENT.

16. PRIOR TO SURFACE PAVING, EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER STANDARD SPECIFICATIONS ITEM 631.32, CULVERT CLEANER (INCLUDING OPERATOR)

17. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.

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

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

20. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS AND CATCH BASINS.

21. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.

22. IN AREAS WHERE CURB TYPE I WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT, IF NECESSARY, AND UTILIZED AS SUCH AND WILL BE PAID FOR UNDER STANDARD SPECIFICATIONS ITEM 609.38, RESET CURB TYPE I. REQUIRED CUTTING WILL BE PAID UNDER FORCE ACCOUNT PROCEDURES.

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

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

25. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.

26. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

27. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF STANDARD SPECIFICATIONS ITEM 627.78, TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW.

28. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT

29. THE PROJECT GEOTECHNICAL REPORT CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).

30. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION, THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY), PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

31. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

32. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

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

34. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

35. ALL HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES SHALL BE A 9.5 MM OR 12.5 MM MAINEDOT APPROVED MIX DESIGN. EXCLUDING WATER AND GAS GATE VALVES, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR THE PATCH AT LEAST TWO FEET AWAY FROM THE NEAREST EDGE OF THE STRUCTURE. THE CONTRACTOR SHALL PLACE HMA IN LIFTS OF 2 INCHES OR LESS, AS DIRECTED BY THE RESIDENT, AND COMPACT THE HMA USING A MINIMUM OF 150-POUND PLATE COMPACTOR. HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES IS CONSIDRED INCIDENTAL TO THE RESPECTIVE PAY ITEM FOR ADJUST, ALTER, OR REBUILD UTILITY STRUCTURE.

DRAINAGE CONSTRUCTION NOTES

- ALL STATIONS AND OFFSETS PROVIDED ARE TO THE CENTER OF THE STRUCTURE AND DO NOT ALWAYS REFLECT THE CENTER OF THE GRATE OR COVER.
- TOP OF GRATE ELEVATIONS IN PAVEMENT ARE SET 1.5' BELOW NORMAL ELEVATION AT CENTERLINE OF GRATE FOR TYPE A CATCH BASINS AND 0.5' FOR TYPE B CATCH BASINS.
- MANHOLE OR CB WITH COVER ELEVATIONS ARE SET TO THE CENTERLINE OF THE COVER WITH NO DEPRESSION.
- CATCH BASIN TYPE "F" STRUCTURES SHALL TYPICALLY BE CONSTRUCTED WITH TYPE B FRAME AND NO CURB INLET HEADER.

CONSTRUCTION NOTES

- ALL PROPOSED WALKWAYS SHALL BE SAWCUT TO PROVIDE A CLEAN, STRAIGHT EDGE TO MATCH EXISTING.
- NON SIDEWALK DRIVEWAY SECTIONS SHALL BE CONSTRUCTED UTILIZING AN 8% TO 2% DRIVE APRON TO MAINTAIN GUTTER DEPTH TO THE GREATEST EXTENT POSSIBLE.
- FOUNDATIONS EXPOSED DURING EXCAVATION SHALL HAVE AN ICE AND WATERSHIELD WATERPROOFING MEMBRANE APPLIED PRIOR TO BACKFILL. WATERPROOFING SHALL BE INCIDENTAL TO CONTRACT ITEMS.
- TEST PITS IDENTIFIED IN THE PLANS AND SPECIFICATIONS SHALL BE DUG PRIOR TO ORDERING MATERIALS AND STARTING WORK. RESULTS SHALL BE CONVEYED TO THE RESIDENT FOR REVIEW AND CONFORMANCE WITH THE PLANS.
- PROPOSED WATER AND SEWER SHOWN FOR REFERENCE ONLY, REFER TO C-SHEETS FOR FURTHER INFORMATION.
- CONTRACTOR SHALL PERFORM ALL SEWER LINING PRIOR TO EARTH DISTURBANCE ACTIVITIES TO PROTECT THE SEWER SYSTEM.

CSX CONSTRUCTION NOTES

- UPON COMPLETION OF CONSTRUCTION, MAINEDOT SHALL PROVIDE A FULL SET OF ELECTRONIC AS-BUILT DRAWINGS, SHOWING ACTUAL MEASURED VERTICAL AND HORIZONTAL CLEARANCES, SHALL BE FURNISHED TO CSX.
- MAINEDOT OR ITS CONTRACTOR SHALL ARRANGE AND CONDUCT ITS WORK SO THAT THERE WILL BE NO INTERFERENCE WITH CSX OPERATIONS, INCLUDING, BUT NOT LIMITED TO: TRAIN, SIGNAL, TELEPHONE AND TELEGRAPHIC SERVICES, OR DAMAGE TO CSX'S PROPERTY, OR TO POLES, WIRES, AND OTHER FACILITIES OF TENANTS ON CSX'S PROPERTY OR RIGHT-OF-WAY. MAINEDOT OR ITS CONTRACTOR SHALL STORE MATERIALS TO PREVENT TRESPASSERS FROM CAUSING DAMAGE TO TRAINS, OR CSX PROPERTY. WHENEVER WORK IS LIKELY TO AFFECT THE OPERATIONS OR SAFETY OF TRAINS, THE METHOD OF DOING SUCH WORK SHALL FIRST BE SUBMITTED TO THE CSX REPRESENTATIVE FOR APPROVAL BUT SUCH APPROVAL SHALL NOT RELIEVE MAINEDOT OR ITS CONTRACTOR FROM LIABILITY IN CONNECTION WITH SUCH WORK.
- DURING AND AFTER COMPLETION OF CONSTRUCTION, THE OUTSIDE PARTY OR ITS CONTRACTOR MUST CLEAR CSX'S DRAINAGE DITCHES, WITHIN THE PROJECT LIMITS, OF ALL DEBRIS TO THE SATISFACTION OF CSX'S CONSTRUCTION ENGINEERING AND INSPECTION REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE A COPY OF THE TRAFFIC CONTROL PLAN FOR CSX RECORD.
- CONTRACTOR SHALL PROVIDE A PROPOSED SITE ACCESS PLAN FOR CSX RECORD.
- CONTRACTOR SHALL SUBMIT A SAFETY PLAN TO CSX FOR REVIEW.
- CONTRACTOR SHALL SUBMIT A DETAILED DESIGN AND WORK PLAN FOR THE INSTALLATION OF A SHEETING/SHORING SYSTEM ADJACENT TO THE TRACKS. SHORING PROTECTION SHALL BE PROVIDED WHEN EXCAVATING WITH POTENTIAL TO FOUL OR AS OTHERWISE DETERMINED BY CSX. ANY EXCAVATION WITHIN THE THEORETICAL RAILROAD EMBANKMENT LINE (TREL) REQUIRES INTERLOCKING SHEETING FOR SUPPORT OF EXCAVATION.
- SOIL REUSE: CSX ENVIRONMENTAL DEPARTMENT MUST REVIEW AND APPROVE REUSE OF SOIL ON CSX PROPERTY.
- SOIL DISPOSAL: IF THE SOIL CANNOT BE REUSED ON CSX PROPERTY, IT MUST BE PROPERLY DISPOSED AT A CSX APPROVED DISPOSAL FACILITY. CSX PROHIBITS ANY CONTRACTOR FROM TAKING SOILS FOR OFF PROPERTY REUSE. CSX ENVIRONMENTAL DEPARTMENT WILL HANDLE WASTE CHARACTERIZATION AND PROFILING INTO AN APPROVED DISPOSAL FACILITY. CSX PROHIBITS ANY ENVIRONMENTAL SAMPLING ON ITS PROPERTY UNLESS GRANTED THROUGH A WRITTEN ENVIRONMENTAL RIGHT OF ENTRY OR APPROVED IN WRITING BY THE CSX ENVIRONMENTAL DEPARTMENT. FOR ACCESS OR RIGHT-OF-ENTRY ISSUES FOR OUTSIDE PARTIES (RIGHT-OF-ENTRY) ON CSX PROPERTY PLEASE SEE: [HTTPS://WWW.CSX.COM/INDEX.CFM/CUSTOMERS/VALUE-ADDED-SERVICES/PROPERTY-REAL-ESTATE/](https://www.csx.com/index.cfm/customers/value-added-services/property-real-estate/). ALL ANALYTICAL ANALYSES MUST BE COMPLETED AT A CSX APPROVED LABORATORY IF AGENCY HAS ARRANGEMENTS WITH A DISPOSAL FACILITY NOT APPROVED BY CSX. AGENCY CAN REQUEST CSX TO EVALUATE THE DISPOSAL FACILITY. REQUEST TO EVALUATE ALTERNATIVE DISPOSAL FACILITIES SHOULD TAKE PLACE PRIOR TO WORK BEING INITIATED ON CSX PROPERTY. CONTACT THE CSX MANAGER ENVIRONMENTAL PROGRAMS AT (904)366-4174 FOR ASSISTANCE.
- IF DEWATERING IS PLANNED FOR A PUBLIC PROJECT, CSX ENVIRONMENTAL DEPARTMENT MUST REVIEW AND APPROVE THE DEWATERING PLAN PRIOR TO WORK BEING INITIATED ON CSX PROPERTY. CSX PROHIBITS THE DISCHARGE OF WATER ONTO ITS PROPERTY WITHOUT PRIOR APPROVAL. CSX PROHIBITS ENVIRONMENTAL SAMPLING OF GROUNDWATER OR SURFACE WATER UNLESS GRANTED THROUGH A WRITTEN ENVIRONMENTAL RIGHT OF ENTRY OR APPROVED IN WRITING BY THE CSX ENVIRONMENTAL DEPARTMENT. CONTACT THE MANAGER ENVIRONMENTAL PROGRAMS AT (904)359-4833 FOR ASSISTANCE.
- IF, IN THE COURSE OF CONSTRUCTION, IT MAY BE NECESSARY TO BLOCK A DITCH, PIPE, OR OTHER DRAINAGE FACILITY, TEMPORARY PIPES, DITCHES, OTHER PROPOSED DRAINAGE FACILITIES SHALL BE INSTALLED TO MAINTAIN ADEQUATE DRAINAGE, AS APPROVED BY CSX. UPON COMPLETION OF THE PROJECT, THE TEMPORARY FACILITIES SHALL BE REMOVED AND THE PERMANENT FACILITIES RESTORED.
- SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN IN COMPLIANCE WITH ALL STATE AND LOCAL REQUIREMENTS FOR CSX REVIEW.

LIVERMORE FALLS ROUTE 17		PROJ. MANAGER		E. MARTIN	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
		DESIGN-DETAILED		T.HIGGINS	M.GROTE	3/24/26	
GENERAL NOTES		CHECKED-REVIEWED		T.HIGGINS	L.SPIETESOL	3/24/26	SIGNATURE
		DESIGN2-DETAILED2					
		DESIGN3-DETAILED3					P.E. NUMBER
		REVISIONS 1					
		REVISIONS 2					
		REVISIONS 3					DATE
		REVISIONS 4					
		FIELD CHANGES					
SHEET NUMBER		WIN 22643.00 HIGHWAY PLANS					
14							
OF 135							

201.23 REMOVING SINGLE TREE TOP ONLY				
STATION	OFFSET		DESCRIPTION	QUANTITY
25+50	27.75'	LT	36" MAPLE	1 EACH
28+00	26.00'	RT	12" ASH TWIN	1 EACH
28+13	26.00'	RT	14" MAPLE	1 EACH
41+06	28.00'	RT	30" MAPLE	1 EACH

201.24 REMOVING STUMP				
STATION	OFFSET		DESCRIPTION	QUANTITY
25+50	27.75'	LT	36" MAPLE	1 EACH
28+00	26.00'	RT	12" ASH TWIN	1 EACH
28+00	26.00'	RT	14" MAPLE	1 EACH
33+25	27.00'	RT	60" ASH STUMP	1 EACH
41+06	28.00'	RT	30" MAPLE	1 EACH

202.08 REMOVING BUILDING #1				
STATION	OFFSET		DESCRIPTION	QUANTITY (LS)
57+75	RT		Autobody Shop	1

202.12 REMOVING EXISTING STRUCTURAL CONCRETE				
STATION TO STATION		QUANTITY		
56+74 - 57+63		RT	45.8	CY

202.15 REM MANHOLE OR CATCH BASIN				
STATION	OFFSET		QUANTITY	
13+41	17.75'	LT	1 EACH	
16+70	18.24'	RT	1 EACH	
16+80	16.40'	LT	1 EACH	
20+58	18.74	LT	1 EACH	
20+61	18.44'	RT	1 EACH	
21+73	17.37'	LT	1 EACH	
21+78	23.14'	RT	1 EACH	
29+36	16.30'	RT	1 EACH	
29+36	19.00'	LT	1 EACH	
31+01	16.15'	RT	1 EACH	
31+30	18.61'	LT	1 EACH	
31+75	16.37'	RT	1 EACH	
31+80	17.90'	LT	1 EACH	
33+32	18.21'	RT	1 EACH	
33+81	18.97'	LT	1 EACH	
33+95	15.65'	RT	1 EACH	
34+47	19.29'	LT	1 EACH	
34+80	17.94'	LT	1 EACH	
35+03	16.50'	RT	1 EACH	
36+00	16.13'	RT	1 EACH	
37+93	24.42'	RT	1 EACH	
400+56	16.26'	LT	1 EACH	
400+39	13.73'	RT	1 EACH	
45+59	13.41'	LT	1 EACH	
45+77	13.57'	LT	1 EACH	
46+87	57.94'	RT	1 EACH	
49+35	24.34'	RT	1 EACH	

202.15 REM MANHOLE OR CATCH BASIN, CONT.				
STATION	OFFSET		QUANTITY	
50+63	73.39'	RT	1 EACH	
51+51	15.10'	RT	1 EACH	
52+89	39.54'	RT	1 EACH	
53+81	18.75'	RT	1 EACH	
54+22	31.97'	RT	1 EACH	
54+82	22.75'	LT	1 EACH	
55+19	19.00'	RT	1 EACH	
55+85	20.92'	RT	1 EACH	
55+94	30.50'	RT	1 EACH	
56+45	33.08'	RT	1 EACH	
57+08	19.28'	LT	1 EACH	
57+08	21.97'	RT	1 EACH	
60+14	33.92'	RT	1 EACH	
61+23	20.94'	LT	1 EACH	
61+26	21.20'	RT	1 EACH	
62+92	15.86'	LT	1 EACH	
63+18	19.70'	RT	1 EACH	
63+55	40.20'	LT	1 EACH	
63+68	34.00'	RT	1 EACH	
63+71	16.50'	LT	1 EACH	
65+14	18.57'	LT	1 EACH	
65+20	32.08'	RT	1 EACH	
66+70	25.13'	RT	1 EACH	
66+98	23.08'	LT	1 EACH	
67+87	22.77'	RT	1 EACH	
902+36	30.15'	LT	1 EACH	
901+94	36.31'	RT	1 EACH	
901+67	11.31'	LT	1 EACH	

502.32 CULVERT END WALL				
STATION	OFFSET		QUANTITY (CY)	
34+67	180.0	LT	1.8	
44+93	113.7	LT	1.1	
1102+63	0.0	CL	1.8	

525.329 CONCRETE BLOCK RETAINING WALL, REMOVE AND RESET				
STATION TO STATION		QUANTITY		
49+00 - 49+50		LT	1.0	LS

603.01 24" CULV OPTION III BORING/JACKING				
STATION		QUANTITY		
66+50	RT	1.0		LS

604.18 ADJUST MANHOLE OR CB TO GRADE				
STATION	OFFSET		QUANTITY	
13+42	14.88'	RT	1 EACH	

606.47 SINGLE WOOD POST				
STATION	OFFSET		QUANTITY	
10+52	20.41	LT	1 EACH	
29+70	24	RT	1 EACH	
44+29	26.84'	LT	1 EACH	

607.24 REMOVE AND RESET FENCE				
STATION TO STATION		QUANTITY		
35+17 - 37+65		RT	257	LF
42+62 - 43+21		LT	67	LF
43+38 - 43+73		LT	35	LF
54+12 - 55+37		LT	120	LF
700+99 - 701+37		LT	43	LF

CONSTRUCT SIDEWALKS	
403.209 HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	
SIDEWALKS FROM STATION 9+75 TO 56+00 AND FROM STATION 66+68 TO 68+88 SHALL BE BITUMINOUS TO MATCH EXISTING SURFACING MATERIAL.	

608.08 REINFORCED CONCRETE SIDEWALK	
SIDEWALKS FROM STATION 56+00 TO 66+68 SHALL BE CONCRETE TO MATCH THE EXISTING SURFACING MATERIAL.	

610.08 PLAIN RIPRAP				
STATION	OFFSET		QUANTITY (CY)	
44+93	112.98	LT	7.6	

610.16 HEAVY RIPRAP				
STATION	OFFSET		QUANTITY (CY)	
34+67	183.05	LT	19.9	
1102+26	0	CL	100.0	

608.26 CURB RAMP DETECTABLE WARNING FIELD				
STATION		QUANTITY		
12+45	LT	10		SF
38+85	LT	10		SF
38+85	RT	10		SF
49+70	RT	10		SF
49+70	LT	10		SF
52+20	RT	10		SF
52+80	RT	10		SF
53+90	RT	10		SF
54+30	RT	10		SF
54+87	LT	10		SF
54+87	RT	10		SF
55+90	RT	10		SF
56+32	RT	10		SF
59+00	LT	10		SF
59+00	RT	10		SF
61+40	LT	10		SF
61+40	RT	10		SF
63+25	LT	10		SF
63+45	LT	10		SF
65+15	LT	10		SF
65+40	LT	10		SF
65+45	LT	10		SF
65+55	RT	10		SF
66+34	RT	10		SF
66+65	LT	10		SF
66+66	RT	10		SF
66+90	LT	10		SF
902+30	RT	10		SF
902+43	LT	10		SF
1000+55	RT	10		SF

610.18 STONE DITCH PROTECTION					
STATION	OFFSET		QUANTITY (CY)		
11+50	27.88	RT	1.2		
17+00	57.73	LT	1.3		
20+61	59.38	LT	0.9		
21+72	40.00	LT	1.0		
35+13	24.12	RT	0.9		
44+00	30.68	LT	0.6		
57+17	49.1	RT	1.2		
57+36	84.7	LT	2.1		

613.319 EROSION CONTROL BLANKET				
STATION TO STATION			QUANTITY	
35+00 - 38+00		RT	861	
			SY	

620.58 EROSION CONTROL GEOTEXTILE				
STATION	OFFSET		AREA (SY)	
11+50	27.88	RT	6.7	
17+00	57.73	LT	6.9	
20+61	59.38	LT	5.1	
21+72	40	LT	5.6	
34+67	183.05	LT	50.8	
35+13	24.12	RT	6.6	
44+00	30.68	LT	4.0	
44+93	112.98	LT	29.4	
57+17	49.14	RT	6.7	
57+36	84.65	LT	10.0	
1102+26	0	CL	188.8	

626.421 24" DIAMETER CONCRETE FOUNDATION				
STATION	OFFSET		QUANTITY (LF)	
59+01	28.00'	LT	7	
59+01	32.51'	RT	7	
61+41	28.41'	LT	7	
61+44	31.00'	RT	7	
63+77	33.28'	LT	7	
65+48	25.20'	LT	7	
66+29	29.01'	RT	7	
901+86	24.22'	LT	7	
902+42	35.68'	LT	7	
902+35	29.91'	RT	7	

634.208 REMOVE AND RESET LIGHT STANDARDS				
STATION	OFFSET		QUANTITY	
63+77	33.28'	LT	1 EACH	
65+48	25.20'	LT	1 EACH	
66+29	29.01'	RT	1 EACH	
901+86	24.22'	LT	1 EACH	

642.15 PRECAST CONCRETE STEPS				
STATION	OFFSET		QUANTITY	
41+42	21.17	RT	1 EACH	

801.03 TEST PITS - HIGHWAY					
STATION	OFFSET		QUANTITY		NOTES
34+67	183	LT	1	EACH	DRAINAGE OUTLET
43+52	16	LT	1	EACH	SEWER SERVICE
46+30	16	LT	1	EACH	SEWER SERVICE
49+22	137	LT	1	EACH	DRAINAGE OUTLET
61+76	20	RT	1	EACH	SEWER SERVICE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17
CONSTRUCTION NOTES

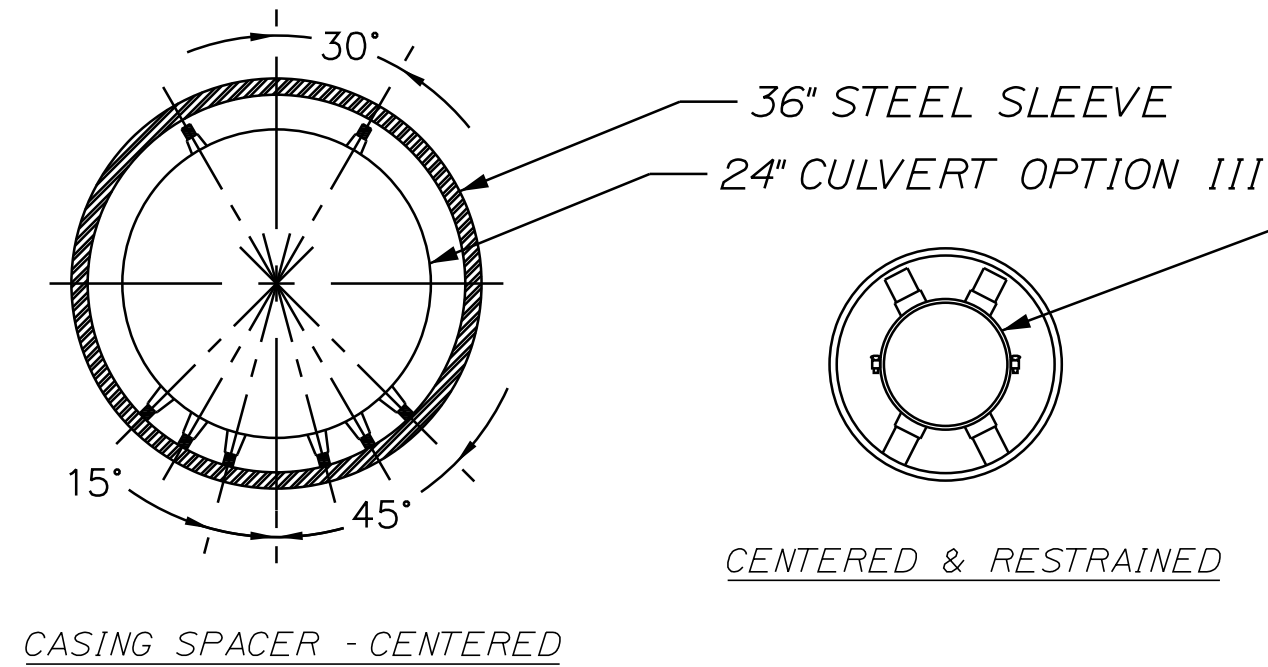
SHEET NUMBER
15
OF 135

Date: 6/30/2026

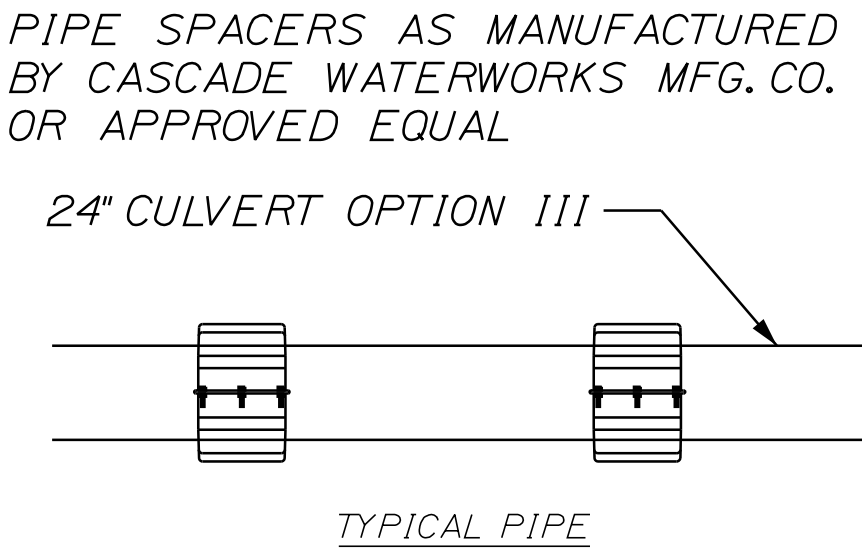
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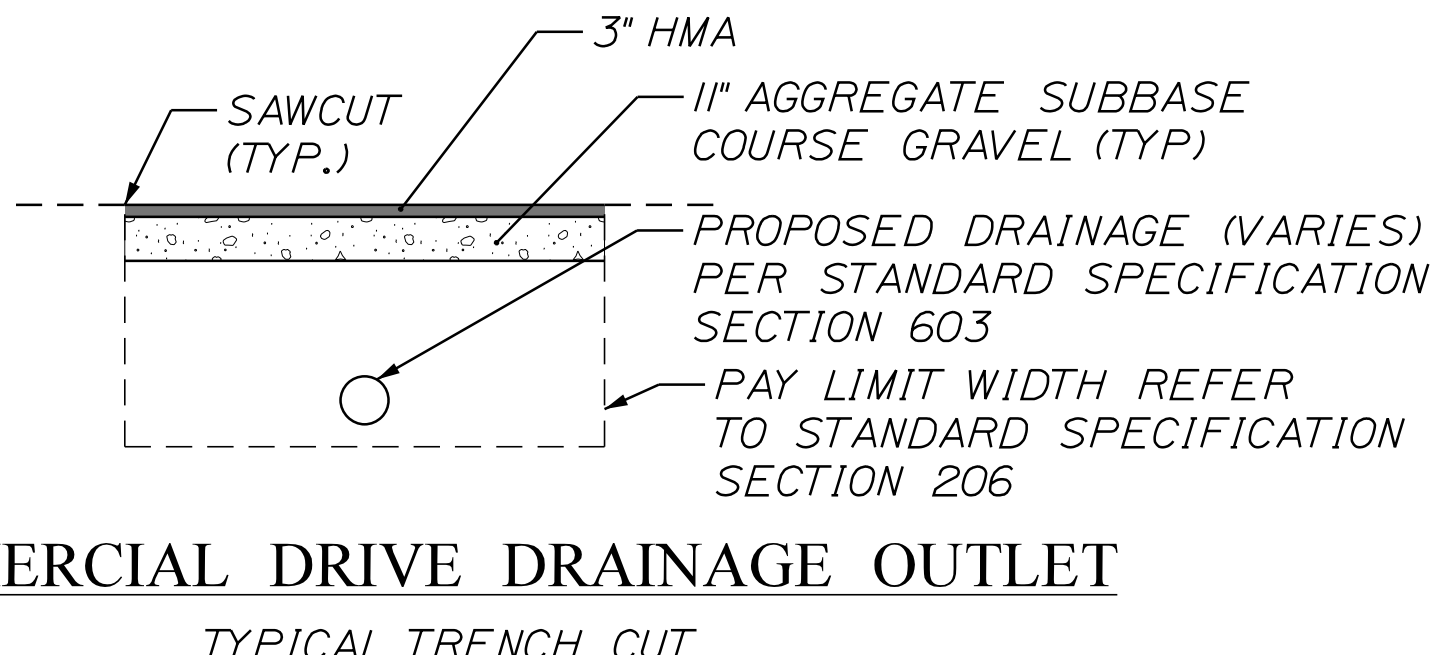
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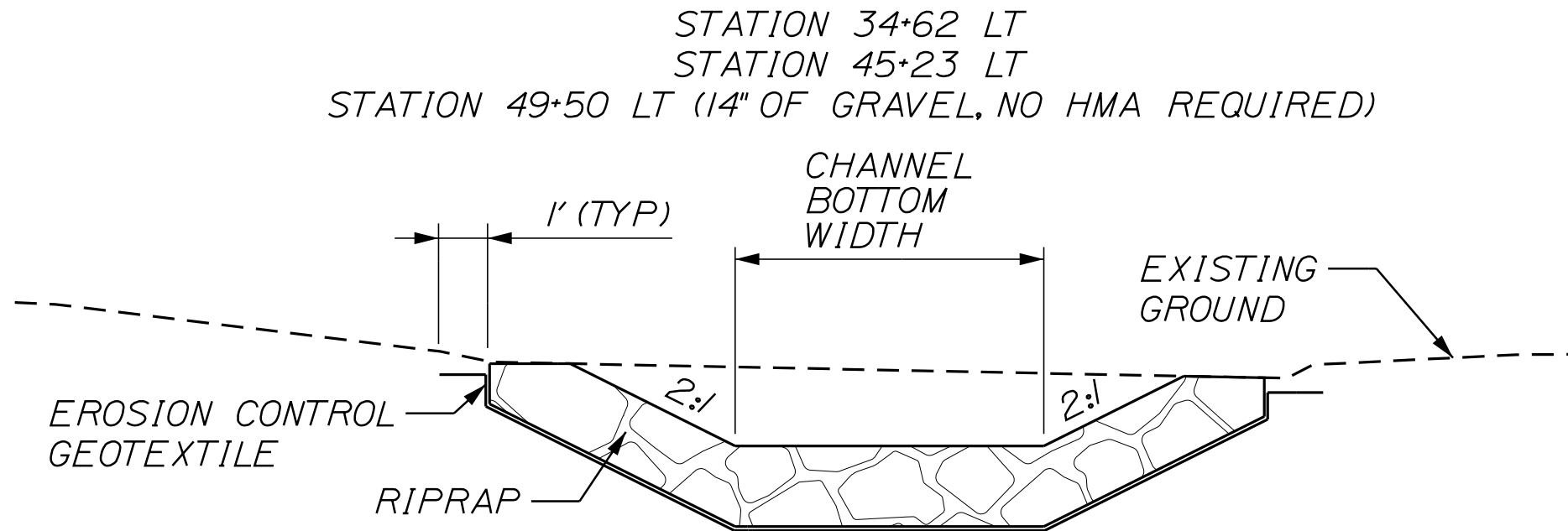
STEEL CASING DETAIL
NOT TO SCALE



MILL STREET DRAINAGE OUTLET
TYPICAL TRENCH CUT



COMMERCIAL DRIVE DRAINAGE OUTLET
TYPICAL TRENCH CUT



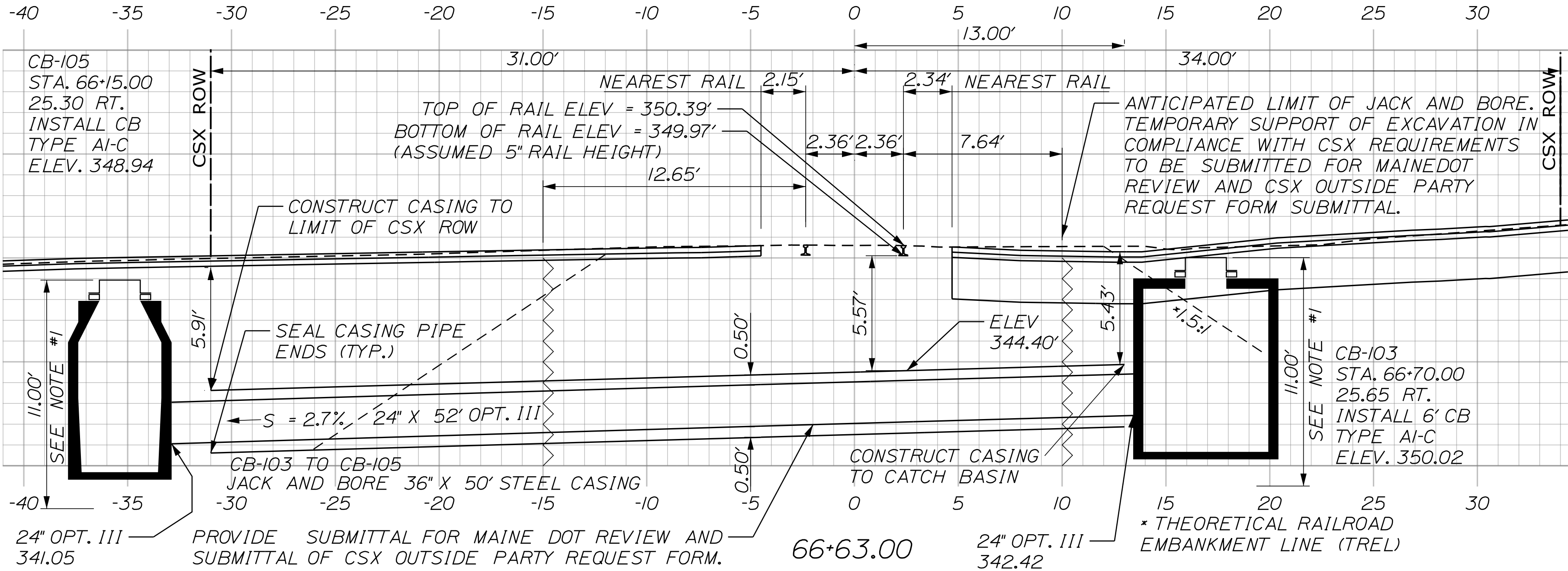
TYPICAL CHANNEL SECTION
NOT TO SCALE

NOTES:

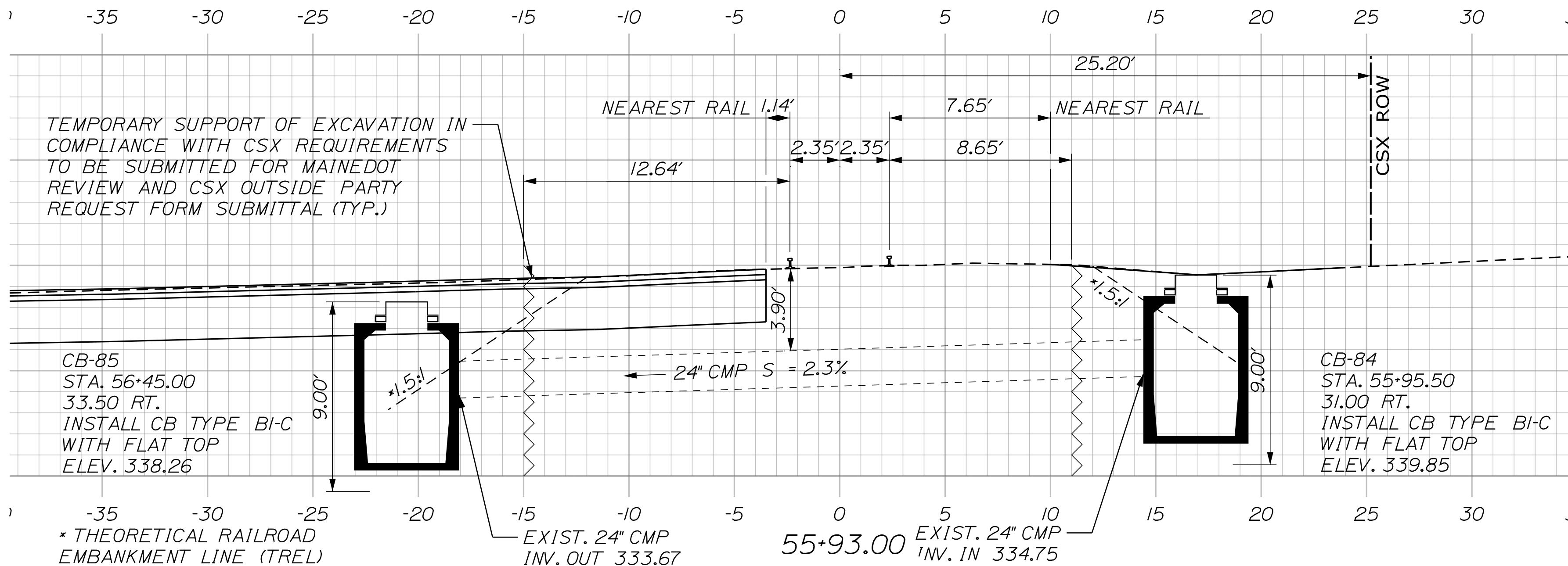
1. STA. 34+67 LT
- 3' DEPTH HEAVY RIPRAP
- 4' CHANNEL BOTTOM WIDTH
2. STA. 44+93 LT
- 2' DEPTH PLAIN RIPRAP
- 2' CHANNEL BOTTOM WIDTH

NOTES:

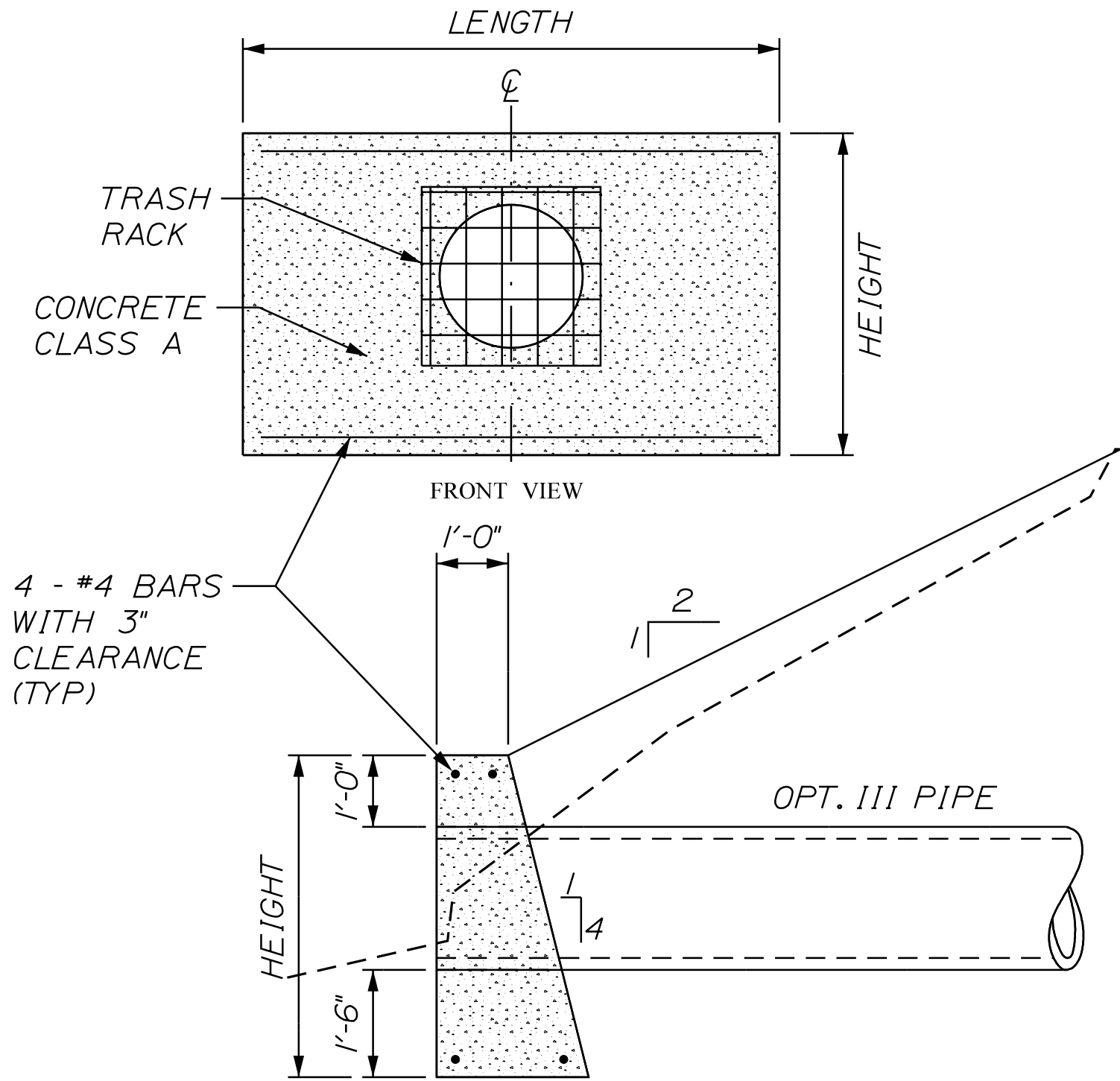
- 1) LAUNCHING/RECEIVING PIT FINAL DIMENSIONS BASED ON CONTRACTOR'S MEANS AND METHODS SHALL BE PROVIDED IN SUBMITTAL.
2) THE FRONT OF THE CASING PIPE SHALL BE PROVIDED WITH MECHANICAL ARRANGEMENTS OR DEVICES THAT WILL POSITIVELY PREVENT THE AUGER FROM LEADING THE PIPE SO THAT NO UNSUPPORTED EXCAVATION IS AHEAD OF THE PIPE.



24" CULVERT OPTION III - BORING AND JACKING DETAIL - STA. 66+63 (RTE. 17)



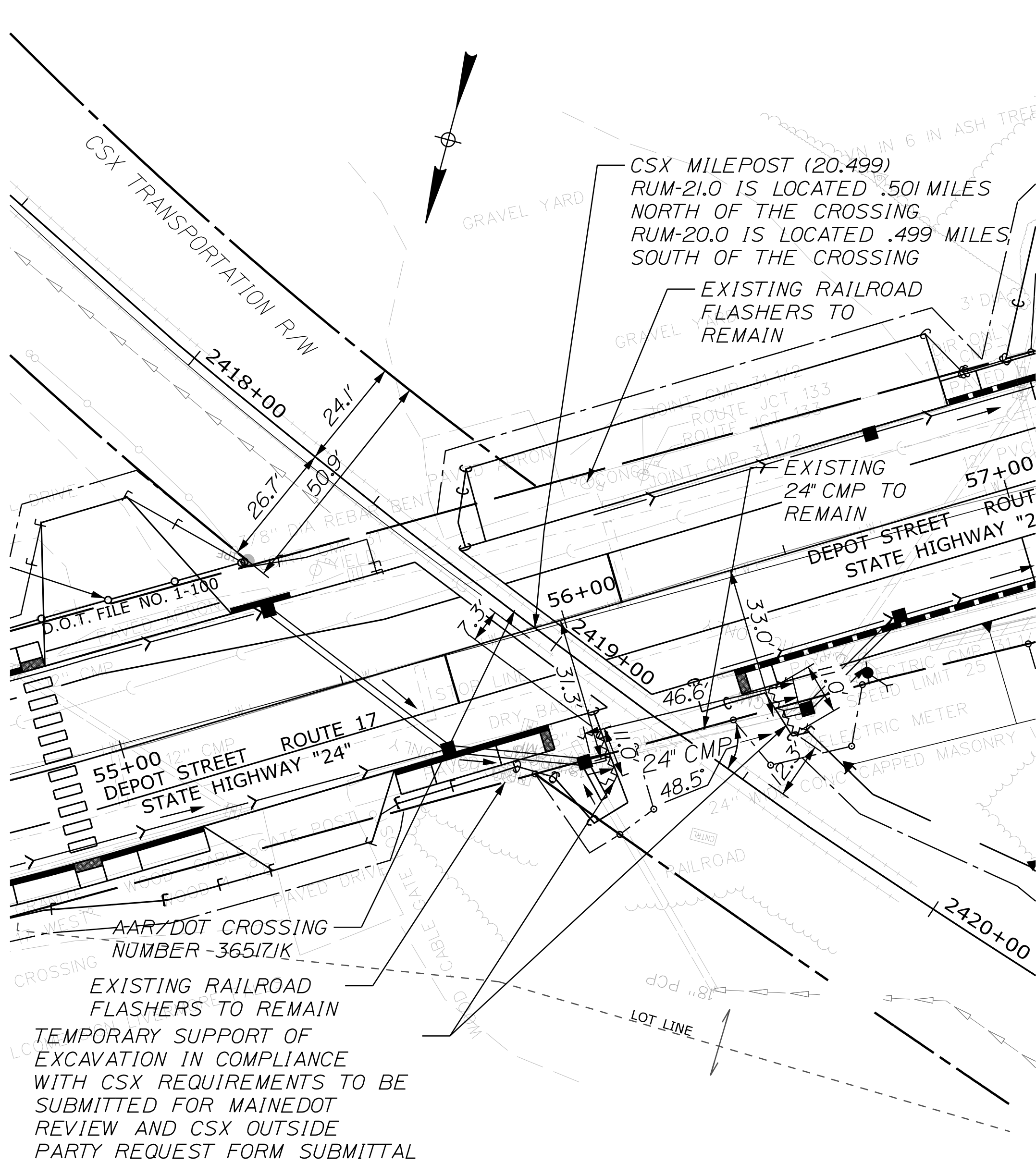
CATCH BASIN REPLACEMENT DETAIL - STA. 55+93 (RTE. 17)



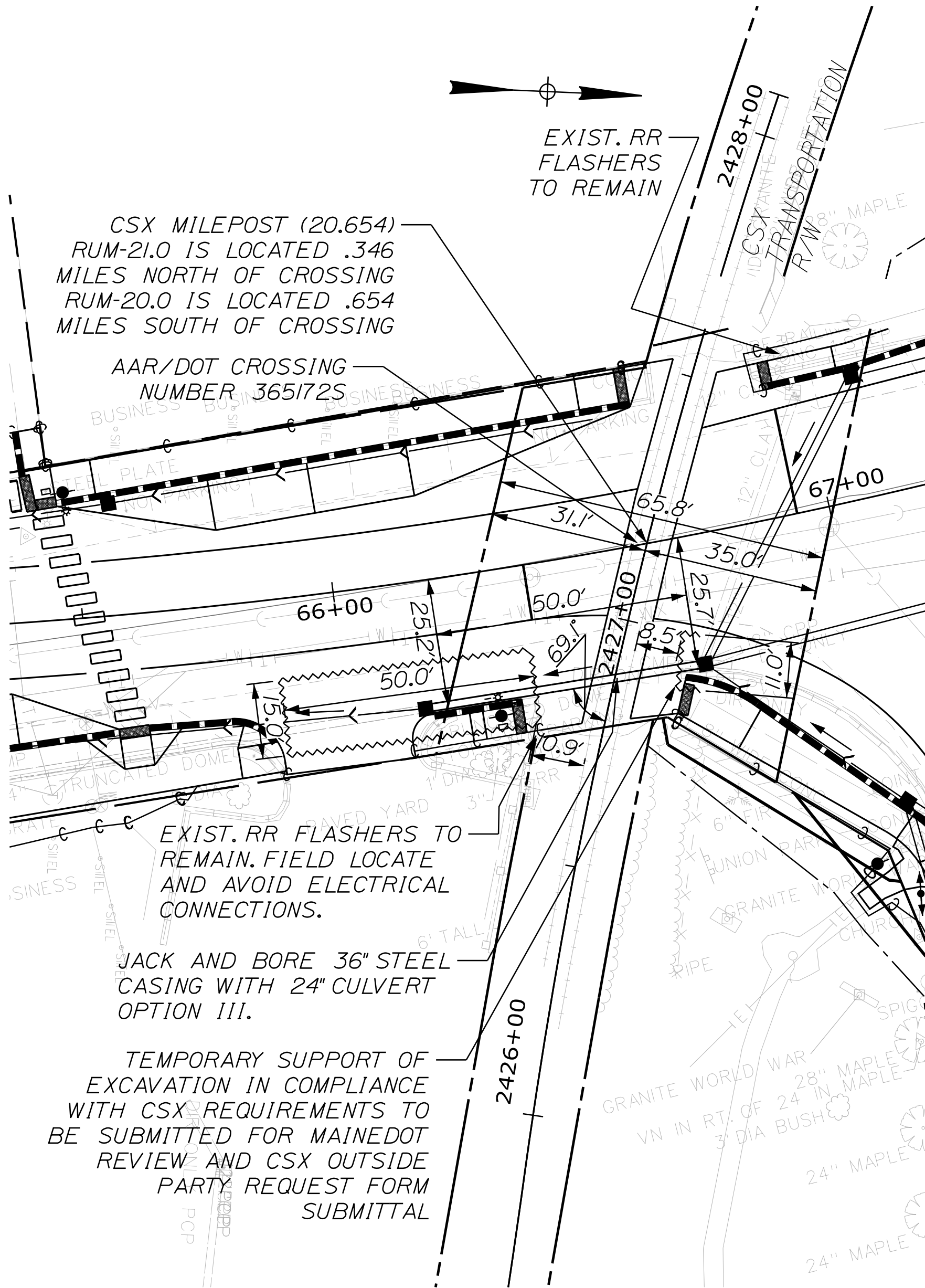
TYPICAL CULVERT HEADWALL

1. STA. 34+67 LT
- 4'-6" HEIGHT X 7'-6" LENGTH
- 24" OPT. III PIPE
2. STA. 44+93 LT
- 4'-0" HEIGHT X 5'-6" LENGTH
- 18" OPT. III PIPE
3. STA. 1102+63
- 4'-6" HEIGHT X 7'-6" LENGTH
- 24" OPT. III PIPE COR.

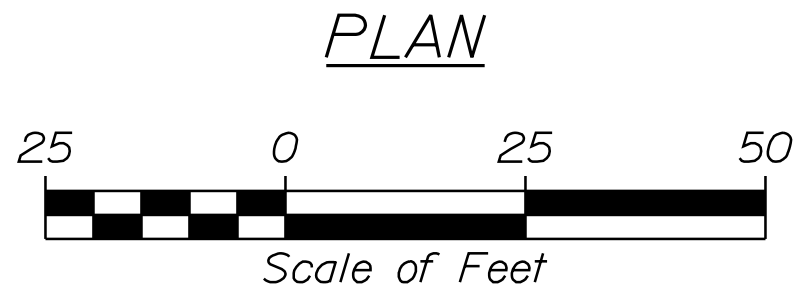
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	T. HIGGINS	T. HIGGINS	3/24/26	M. GROTE	3/24/26			
	DESIGN-DETAILED	DESIGN-DETAILED						
	REVISIONS 1	REVISIONS 2						
	REVISIONS 3	REVISIONS 4						
	FIELD CHANGES							



EXISTING 24" CORRUGATED METAL
PIPE INSET



JACK AND BORE CASING CULVERT
REPLACEMENT INSET



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE			
	P.E. NUMBER			
(NHPP-2264(300))				DATE
WIN				22643.00
HIGHWAY PLANS				
LIVERMORE FALLS ROUTE 17		PROJ. MANAGER	E. MARTIN	BY
		CHECKED-REVIEWED	T. HIGGINS	M. GROTE
SPECIAL DETAILS		DESIGN-DETAILED	T. HIGGINS	L. SINTESCU
		DESIGNS DETAILING		
SHEET NUMBER		REVISIONS 1		
		REVISIONS 2		
17		REVISIONS 3		
		REVISIONS 4		
OF 135		FIELD CHANGES		

SUPERELEVATION TABLE				
LT. SHOULDER	LT. TRAVELWAY	STATION	RT. TRAVELWAY	RT. SHOULDER
START				
Match Existing	Match Existing	09+50.00	Match Existing	Match Existing
TO				
-4.0%	-2.0%	09+75.00	-1.4%	-1.5%
-4.0%	-0.8%	10+00.00	-2.0%	-4.0%
-4.0%	0.0%	10+16.67	-2.0%	-4.0%
-4.0%	0.4%	10+25.00	-2.0%	-4.0%
-4.0%	1.6%	10+50.00	-2.0%	-4.0%
-4.0%	2.0%	10+58.33	-2.0%	-4.0%
-4.0%	2.8%	10+75.00	-2.8%	-4.0%
TO				
-4.0%	2.8%	12+50.00	-2.8%	-4.0%
-4.0%	2.0%	12+66.67	-2.0%	-4.0%
-4.0%	1.6%	12+75.00	-2.0%	-4.0%
-4.0%	0.4%	13+00.00	-2.0%	-4.0%
-4.0%	0.0%	13+08.33	-2.0%	-4.0%
-4.0%	-0.8%	13+25.00	-2.0%	-4.0%
-4.0%	-2.0%	13+50.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	20+25.00	-2.0%	-4.0%
-4.0%	-0.8%	20+50.00	-2.0%	-4.0%
-4.0%	0.0%	20+65.00	-2.0%	-4.0%
-4.0%	0.5%	20+75.00	-2.0%	-4.0%
-4.0%	1.8%	21+00.00	-2.0%	-4.0%
-4.0%	2.0%	21+05.00	-2.0%	-4.0%
-4.0%	3.0%	21+25.00	-3.0%	-4.0%
TO				
-4.0%	3.0%	25+00.00	-3.0%	-4.0%
-4.0%	2.0%	25+20.00	-2.0%	-4.0%
-4.0%	1.8%	25+25.00	-2.0%	-4.0%
-4.0%	0.5%	25+50.00	-2.0%	-4.0%
-4.0%	0.0%	25+60.00	-2.0%	-4.0%
-4.0%	-0.8%	25+75.00	-2.0%	-4.0%
-4.0%	-2.0%	26+00.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	35+75.00	-2.0%	-4.0%
-4.0%	-2.0%	36+00.00	-0.8%	-4.0%
-4.0%	-2.0%	36+16.67	0.0%	-4.0%
-4.0%	-2.0%	36+25.00	0.4%	-4.0%
-4.0%	-2.0%	36+50.00	1.6%	-4.0%
-4.0%	-2.0%	36+58.33	2.0%	-4.0%
-4.0%	-2.8%	36+75.00	2.8%	-4.0%
TO				
-4.0%	-2.8%	38+50.00	2.8%	-4.0%
-4.0%	-1.6%	38+75.00	1.6%	-4.0%
-4.0%	-0.3%	39+00.00	0.3%	-4.0%
-4.0%	1.0%	39+25.00	-1.0%	-4.0%
-4.0%	2.2%	39+50.00	-2.2%	-4.0%
TO				
-4.0%	2.2%	41+50.00	-2.2%	-4.0%
-4.0%	2.2%	42+00.00	-2.2%	-2.2%
-4.0%	2.2%	42+50.00	-2.2%	-4.0%
TO				
-4.0%	2.2%	42+75.00	-2.2%	-4.0%
-4.0%	2.0%	42+78.57	-2.0%	-4.0%
-4.0%	0.8%	43+00.00	-2.0%	-4.0%
-4.0%	0.0%	43+14.29	-2.0%	-4.0%
-4.0%	-0.6%	43+25.00	-2.0%	-4.0%
-4.0%	-2.0%	43+50.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	44+75.00	-2.0%	-4.0%
-4.0%	-2.0%	45+00.00	-0.8%	-4.0%
-4.0%	-2.0%	45+15.00	0.0%	-4.0%
-4.0%	-2.0%	45+25.00	0.5%	-4.0%
-4.0%	-2.0%	45+50.00	1.7%	-4.0%
-4.0%	-2.0%	45+55.00	2.0%	-4.0%
-4.0%	-3.0%	45+75.00	3.0%	-4.0%

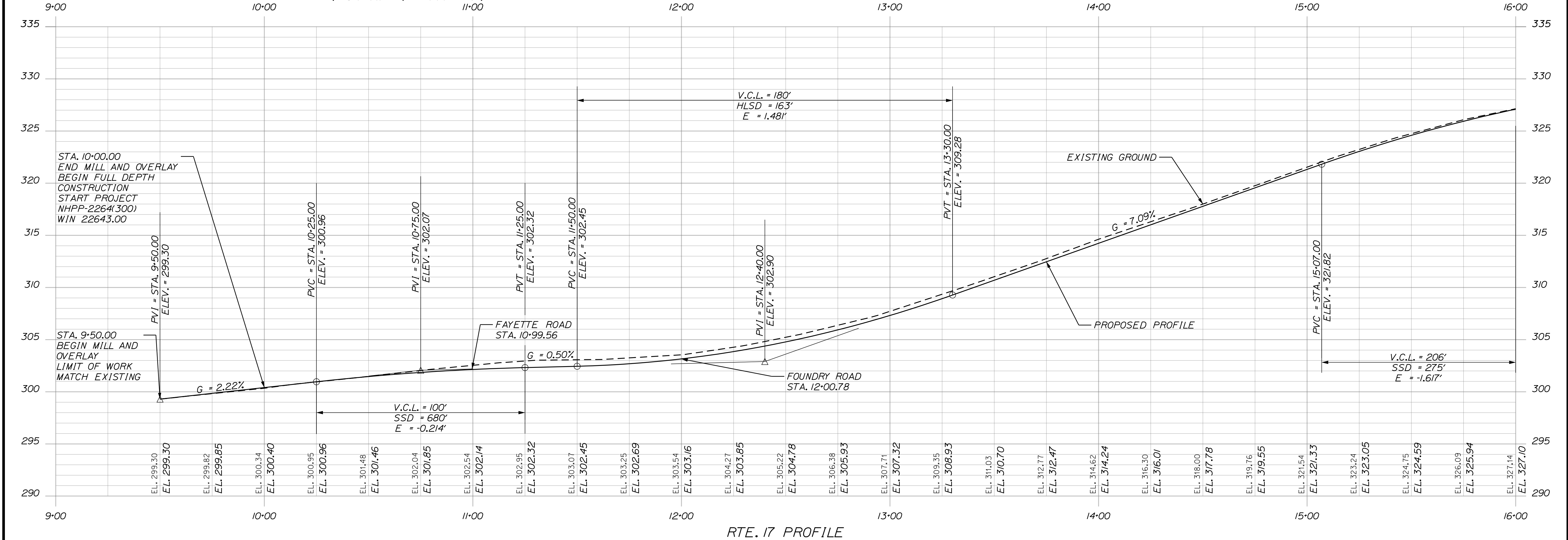
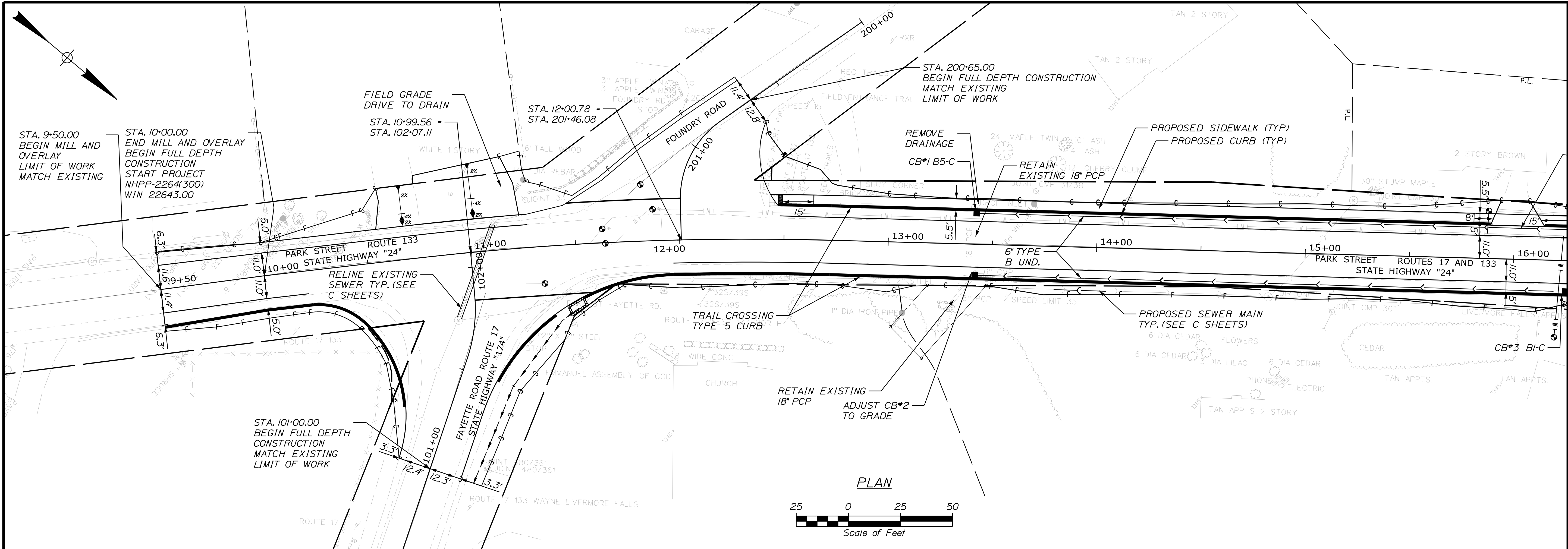
SUPERELEVATION TABLE - CONTINUED				
LT. SHOULDER	LT. TRAVELWAY	STATION	RT. TRAVELWAY	RT. SHOULDER
TO				
-4.0%	-3.0%	47+75.00	3.0%	-4.0%
-4.0%	-2.0%	47+95.00	2.0%	-4.0%
-4.0%	-2.0%	48+00.00	1.7%	-4.0%
-4.0%	-2.0%	48+25.00	0.5%	-4.0%
-4.0%	-2.0%	48+35.00	0.0%	-4.0%
-4.0%	-2.0%	48+50.00	-0.7%	-4.0%
-4.0%	-2.0%	48+75.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	51+50.00	-2.0%	-4.0%
-4.0%	-2.0%	51+75.00	-0.5%	-4.0%
-4.0%	-2.0%	51+83.33	0.0%	-4.0%
-4.0%	-2.0%	52+00.00	1.0%	-4.0%
-4.0%	-2.0%	52+16.67	2.0%	-3.5%
-4.0%	-2.5%	52+25.00	2.5%	-3.0%
-4.0%	-4.0%	52+50.00	4.0%	-2.0%
-4.0%	-4.0%	53+00.00	4.0%	-2.0%
-4.0%	-4.0%	53+50.00	4.0%	-4.0%
-4.0%	-2.8%	53+75.00	2.8%	-4.0%
TO				
-4.0%	-2.8%	54+75.00	2.8%	-4.0%
-4.0%	-2.0%	54+91.67	2.0%	-4.0%
TO				
-4.0%	-2.0%	56+25.00	2.0%	-4.0%
-4.0%	-0.6%	56+50.00	0.6%	-4.0%
-4.0%	0.0%	56+60.71	0.0%	-4.0%
-4.0%	0.8%	56+75.00	-0.8%	-4.0%
-4.0%	2.0%	56+96.43	-2.0%	-4.0%
-4.0%	2.2%	57+00.00	-2.2%	-4.0%
-4.0%	3.6%	57+25.00	-3.6%	-4.0%
TO				
-4.0%	3.6%	58+25.00	-3.6%	-4.0%
-4.0%	2.2%	58+50.00	-2.2%	-4.0%
-4.0%	2.0%	58+53.57	-2.0%	-4.0%
-4.0%	0.8%	58+75.00	-2.0%	-4.0%
-4.0%	0.0%	58+89.29	-2.0%	-4.0%
-4.0%	-0.6%	59+00.00	-2.0%	-4.0%
-4.0%	-2.0%	59+25.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	61+50.00	-2.0%	-4.0%
-4.0%	-2.0%	62+00.00	-2.0%	-2.0%
-4.0%	-2.0%	62+50.00	-2.0%	-2.0%
-1.0%	-2.0%	63+00.00	-2.0%	-2.0%
-6.0%	-2.0%	63+50.00	-2.0%	-2.0%
-4.0%	-2.0%	64+00.00	-2.0%	-2.0%
-4.0%	-2.0%	64+50.00	-2.0%	-2.0%
-4.0%	-2.0%	65+00.00	-2.0%	-4.0%
TO				
-4.0%	-2.0%	66+00.00	-2.0%	-4.0%
-3.0%	-2.0%	66+50.00	-1.6%	-0.5%
-4.0%	-2.0%	67+00.00	-2.0%	-2.0%
TO				
Match Existing	Match Existing	68+87.69	Match Existing	Match Existing
END				

EARTHWORK SUMMARY		
COMMON EXCAVATION FOR ESTIMATE		
COMMON EXCAVATION (FROM CROSS SECTIONS)	29000	
GRUBBING IN FILL (FROM CROSS SECTIONS)	60	
*CULVERT INLET AND OUTLET DITCHES (DITCH PROTECTION)	9	
TOTAL COMMON EXCAVATION	29069	
FILL FOR BORROW CALCULATIONS		
COMMON FILL (FROM CROSS SECTIONS)	600	
GRUBBING IN FILL (FROM CROSS SECTIONS)	60	
TOTAL FILL	660	
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS		
ALL DEDUCTIONS:		
GRUBBING IN FILL	60	
PAVEMENT SALVAGE (CUT & FILL)	5770	
TOTAL DEDUCTIONS	5830	
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	23239	
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)		
RIPRAP EXCAVATION	116	
TOTAL AVAILABLE NON-ROCK EXCAVATION	23355	
COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE		
TOTAL AVAILABLE NON-ROCK EXCAVATION	23355 x 0.90	= 21020
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 0.90	= 0
TOTAL AVAILABLE EXCAVATION	21020	
BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION	0	
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)		
TOTAL WASTE MATERIAL TO BE WASTED	20360	
SURPLUS MATERIAL	20360 CY	

Date:6/30/2026

Username:

Division: Filename: ... \HIGHWAY\MSTA\019_HDPLAN\1.DGN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

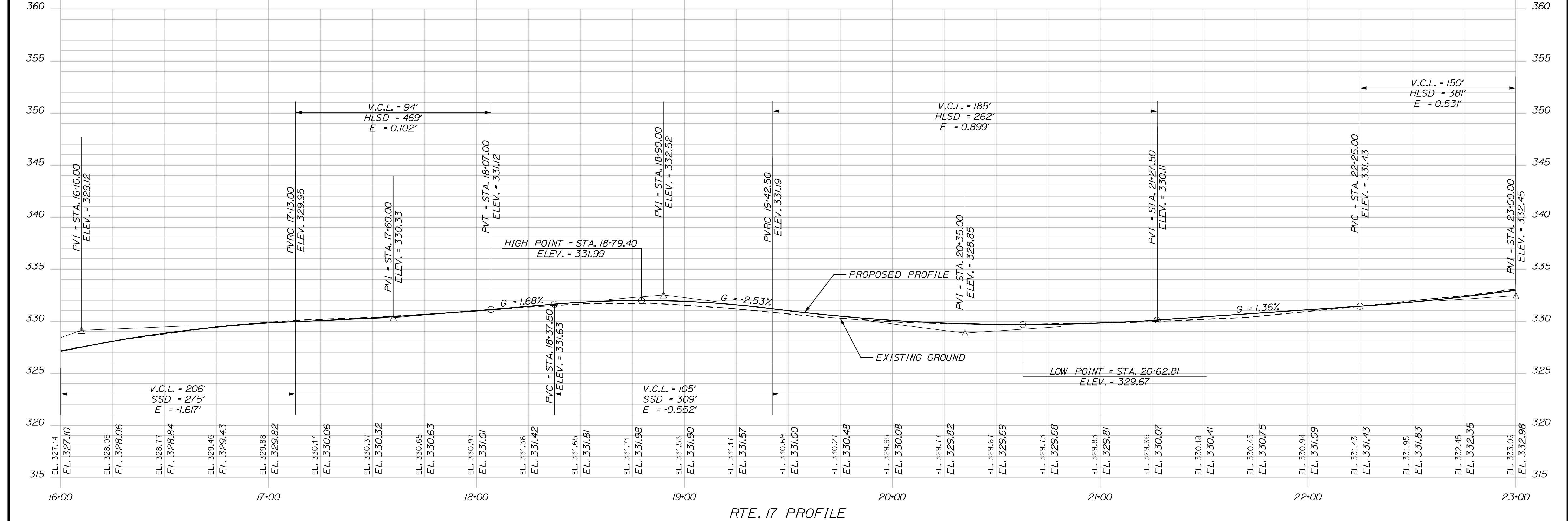
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	T. HIGGINS	DATE	3/24/26
DESIGN-DETAILED	T. HIGGINS	CHECKED-REVIEWED	L. SINTESCU	SIGNATURE	
DESIGNS-DETAILED		DESIGNS-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 4			
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17

SHEET NUMBER
19
OF 135

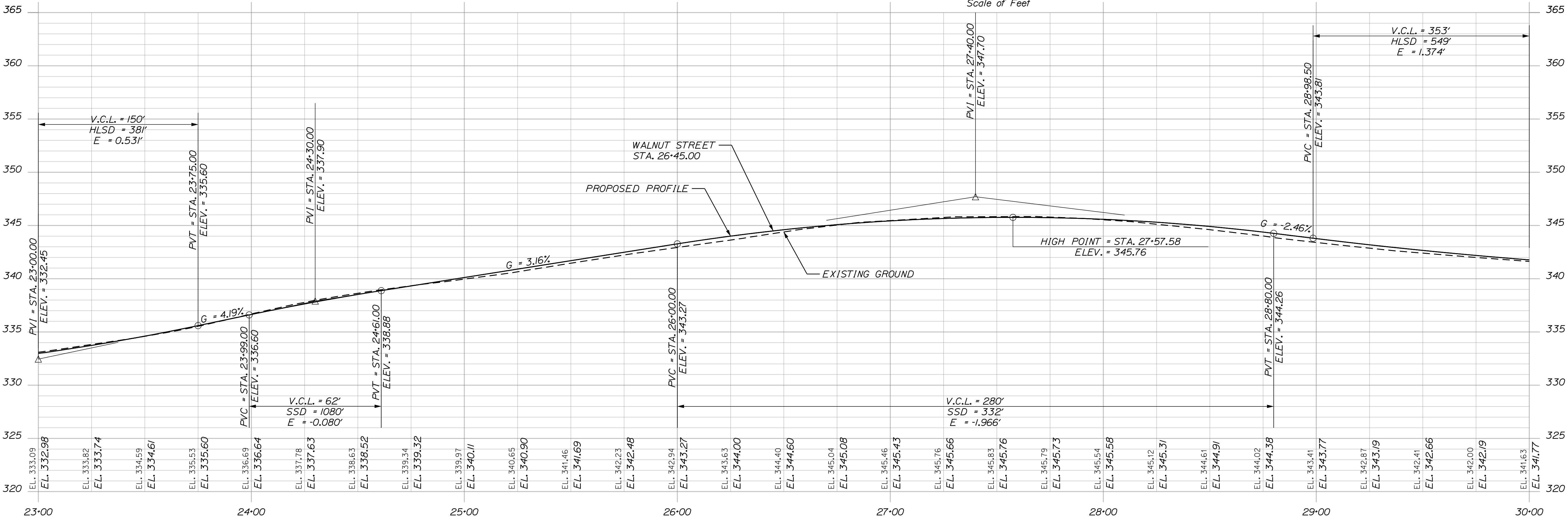
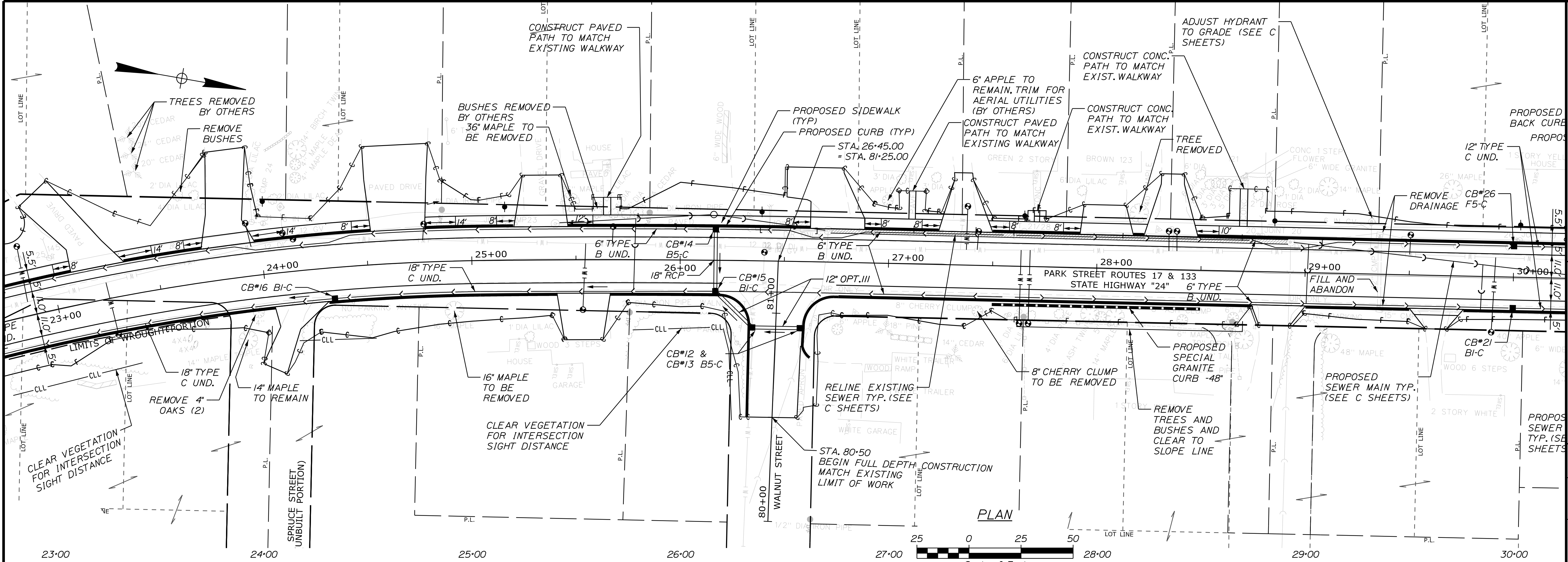
PLAN / PROFILE



Date:6/30/2026

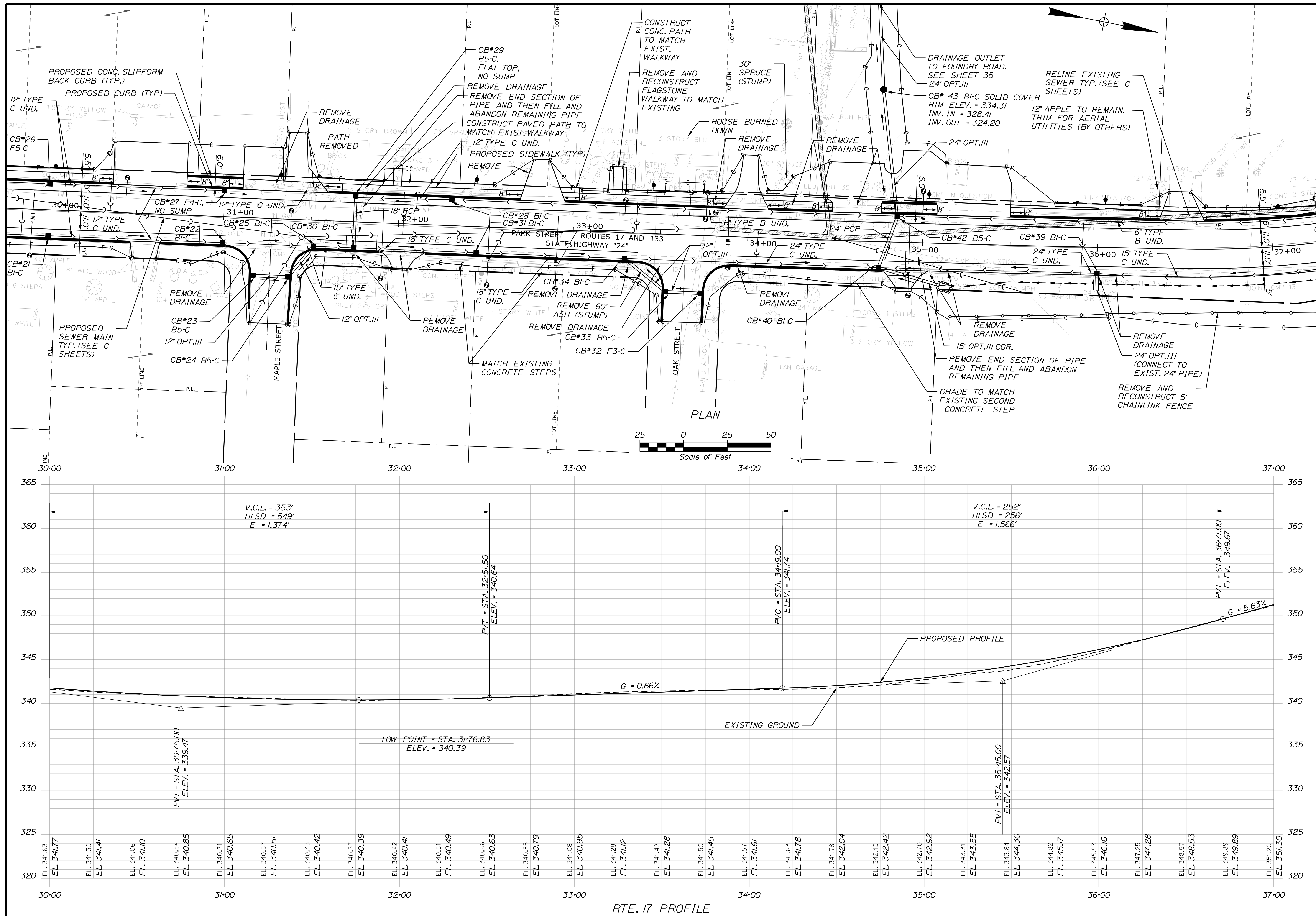
Username:

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RTE. 17 PROFILE

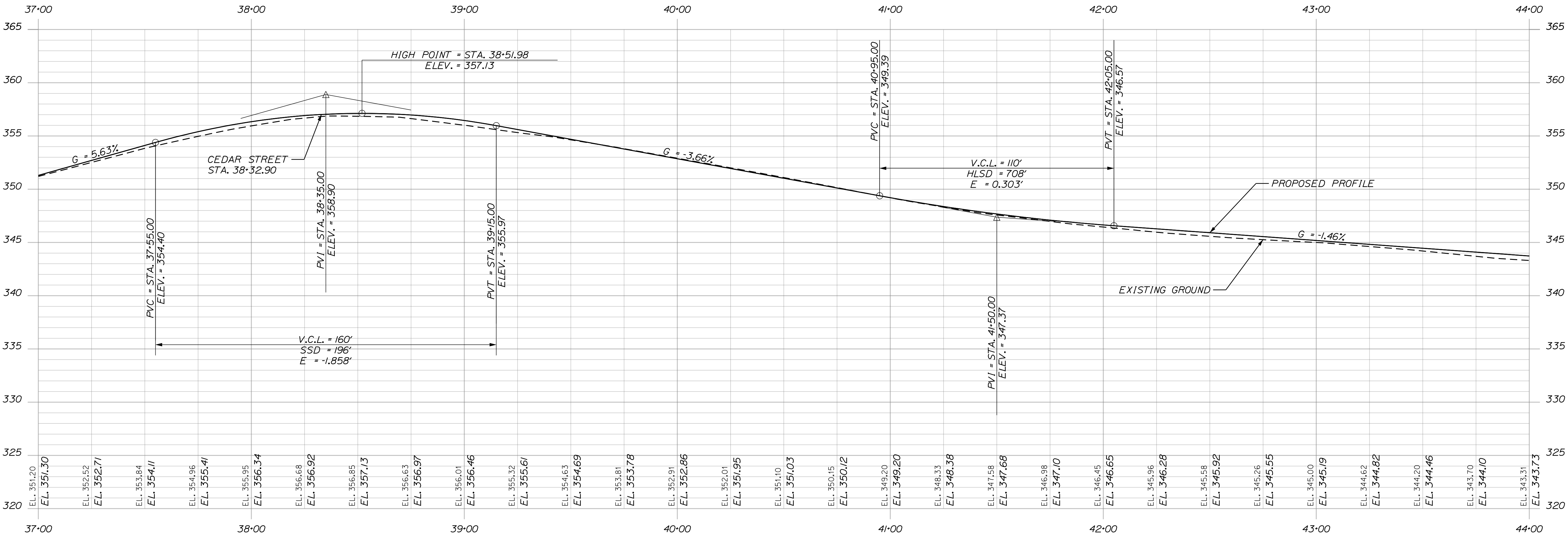
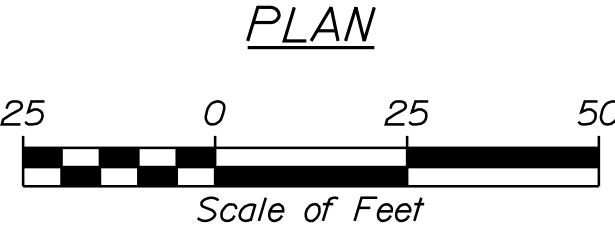
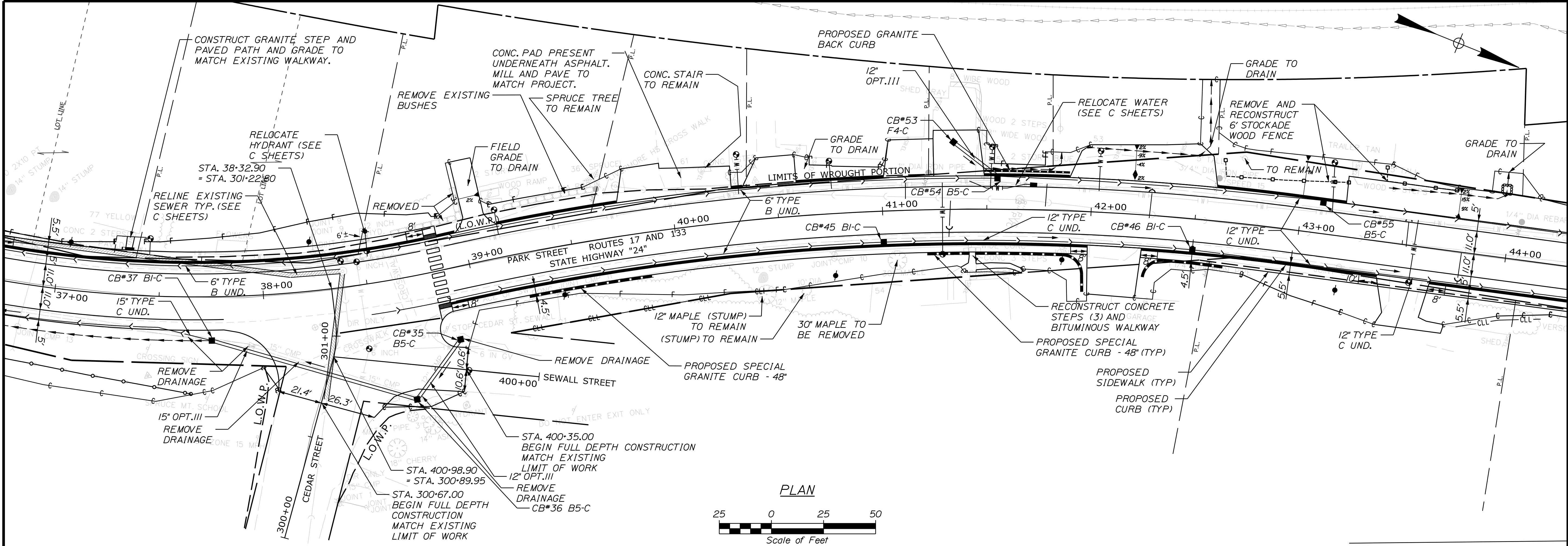
STATE OF MAINE DEPARTMENT OF TRANSPORTATION (NHPP-2264(300))		WIN 22643.00 HIGHWAY PLANS	
PROJ. MANAGER E. MARTIN	BY T. HIGGINS	DATE 3/24/26	SIGNATURE
DESIGN-DETAILED T. HIGGINS	CHECKED-REVIEWED L. SWINSON	DESIGN-DETAILED T. HIGGINS	P.E. NUMBER
REVISIONS 1	REVISIONS 2	REVISIONS 3	DATE
REVISIONS 4	REVISIONS 5	REVISIONS 6	DATE
FIELD CHANGES			
LIVERMORE FALLS ROUTE 17 PLAN / PROFILE			
SHEET NUMBER 21 OF 135			



Date: 6/30/2026

Username:

Filename: ... \HIGHWAY\MSTA\023_HDPLAN5.DGN Division:



RTE. 17 PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	T. HIGGINS	3/24/26	
DESIGN-DETAILED	M. GROTE	3/24/26	
CHECKED-REVIEWED	L. SWINSON	3/24/26	
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17

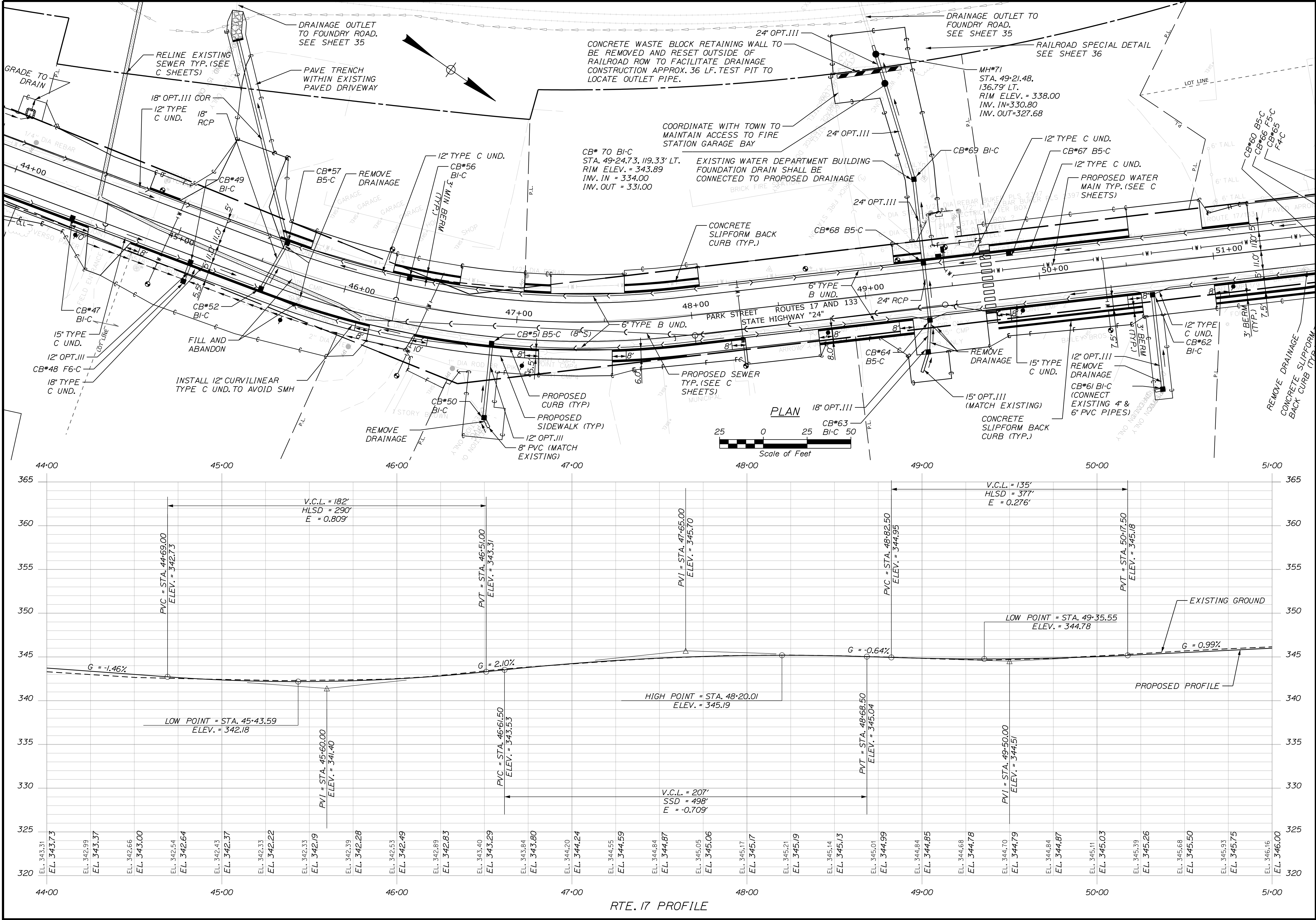
PLAN / PROFILE

SHEET NUMBER
23
OF 135

Username: Date:6/30/2026

Division:

Filenome: ... \HIGHWAY\MSTA\024_HDPLAN6.DGN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	M. GROTE	3/24/26			
DESIGNED-Detailed	T. HIGGINS	3/24/26			
CHECKED-Reviewed	L. SWINSON	3/24/26			
DESIGNED-Detailed					
DESIGNED-Detailed					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
PLAN / PROFILE

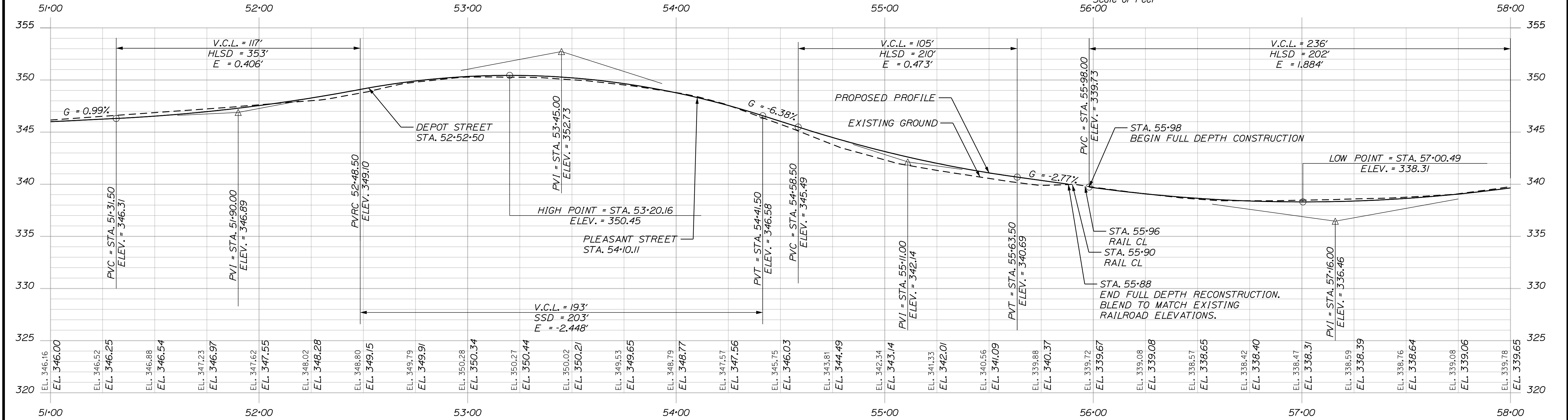
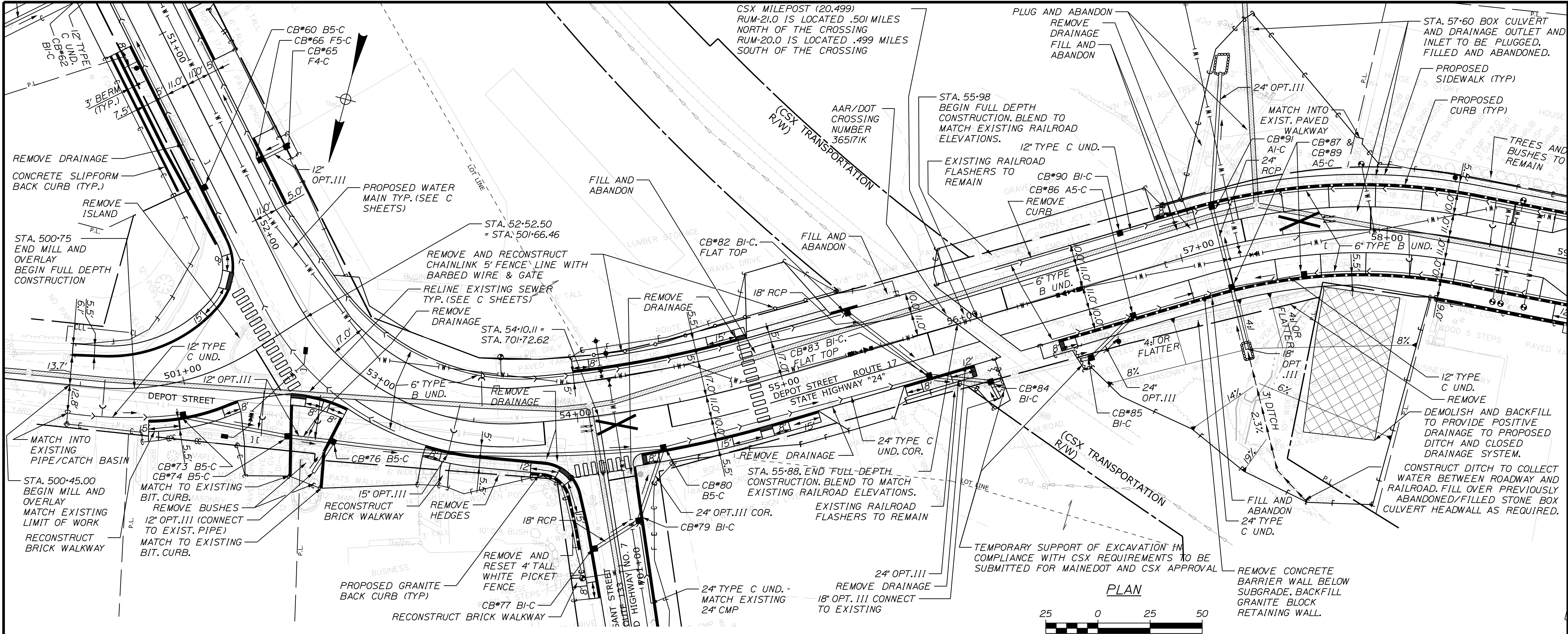
SHEET NUMBER
24
OF 135

Date: 6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA025_HDPLAN7.DGN



RTE. 17 PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

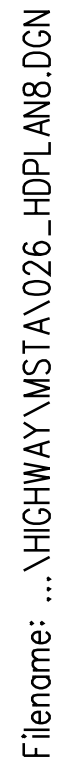
PROJ. MANAGER	DATE	BY	DATE	SIGNATURE
E. MARTIN	3/24/26	T. HIGGINS	3/24/26	
DESIGN-DETAILED		M. GROTE		
CHECKED-REVIEWED		L. SWINICKI		
DESIGN-DETAILED				
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

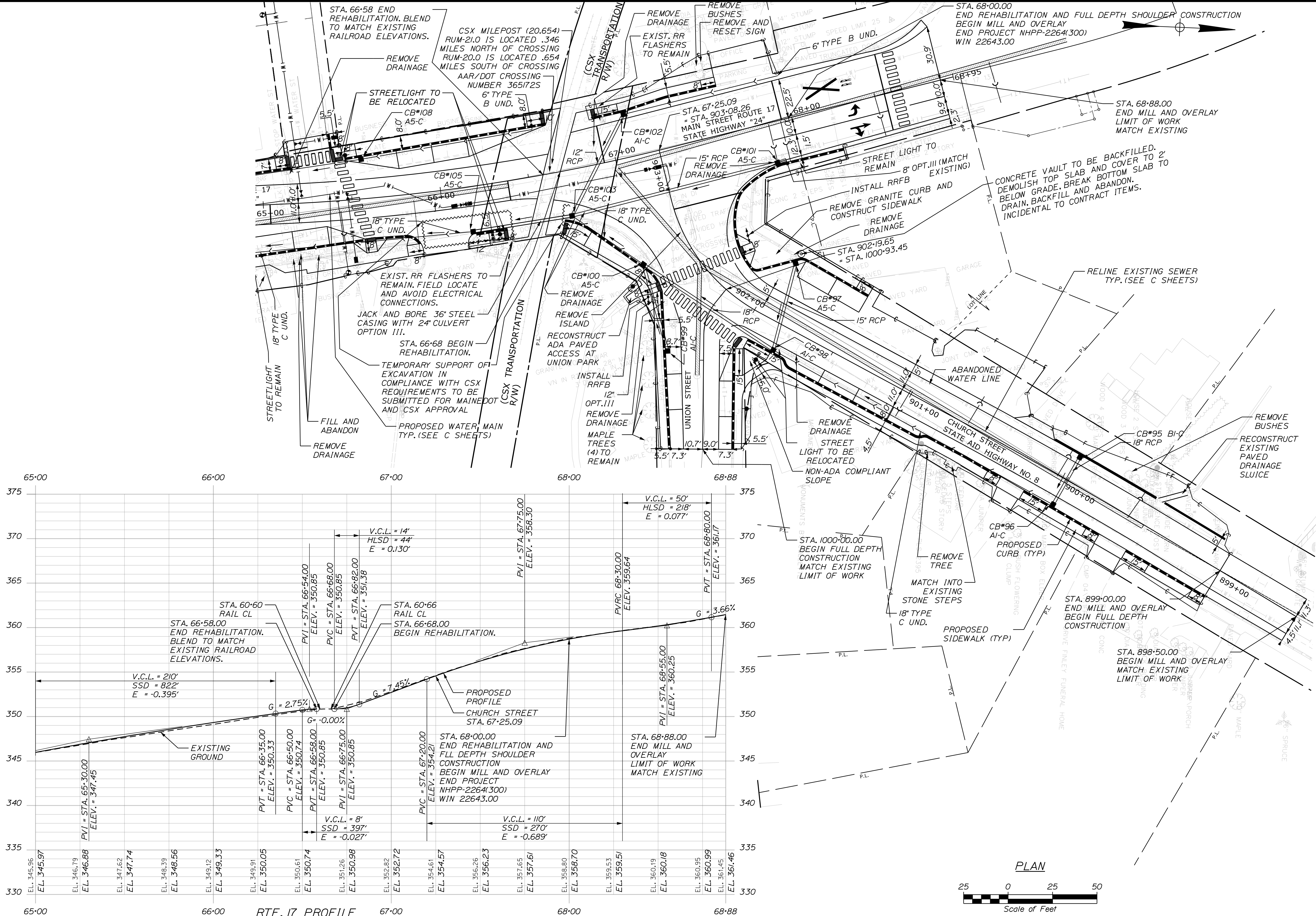
LIVERMORE FALLS
ROUTE 17

PLAN / PROFILE

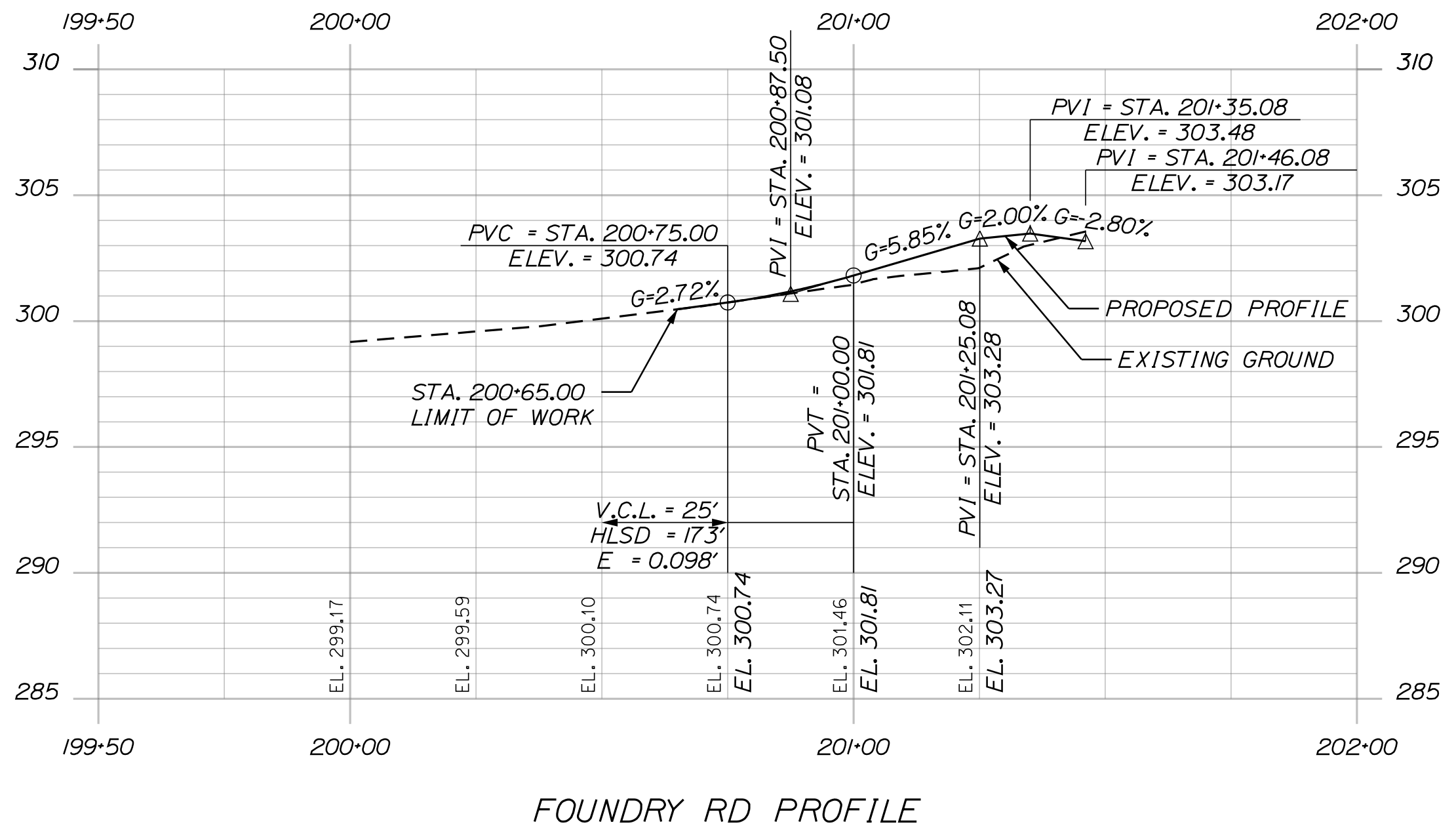
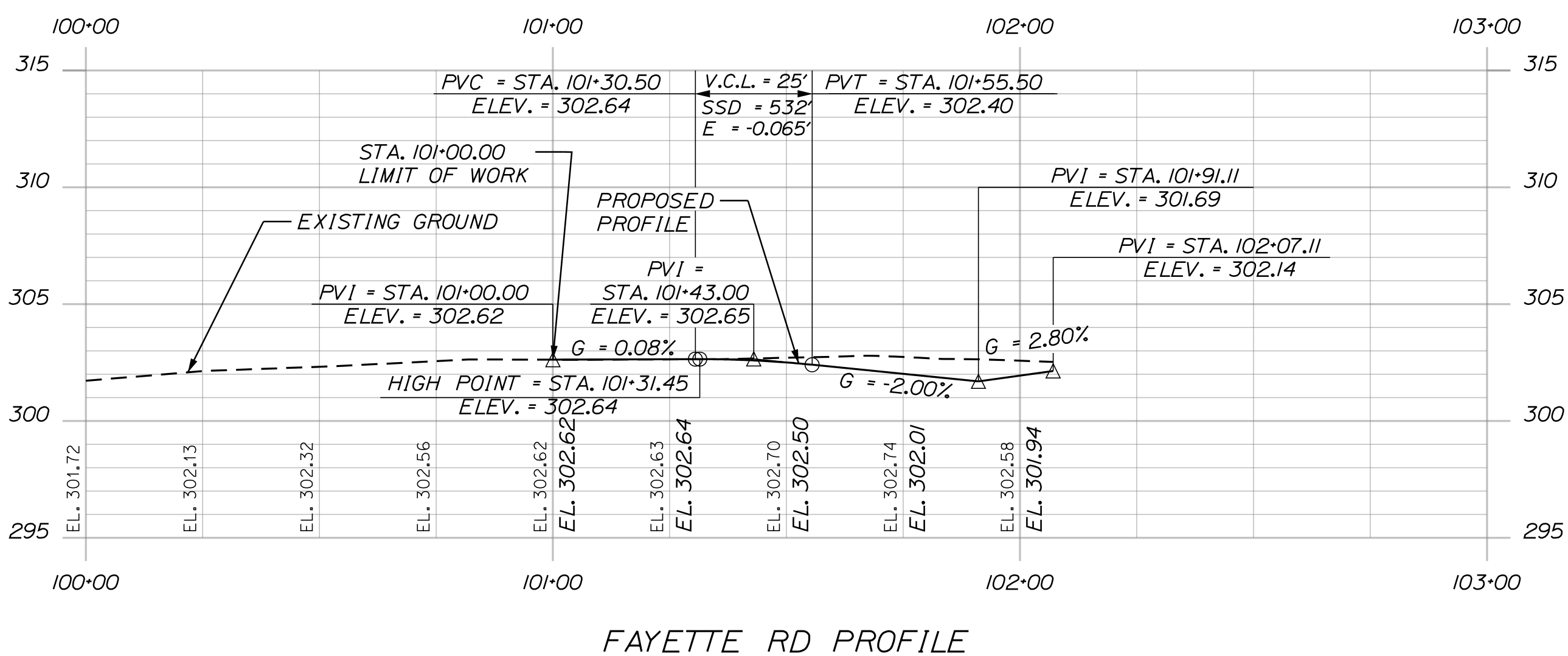
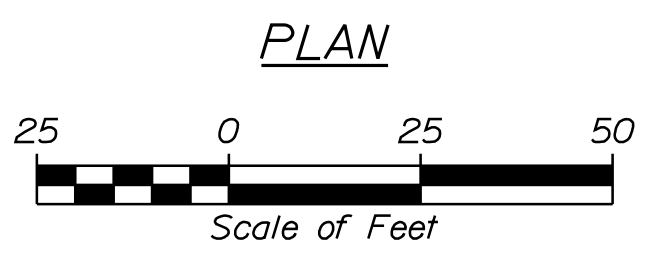
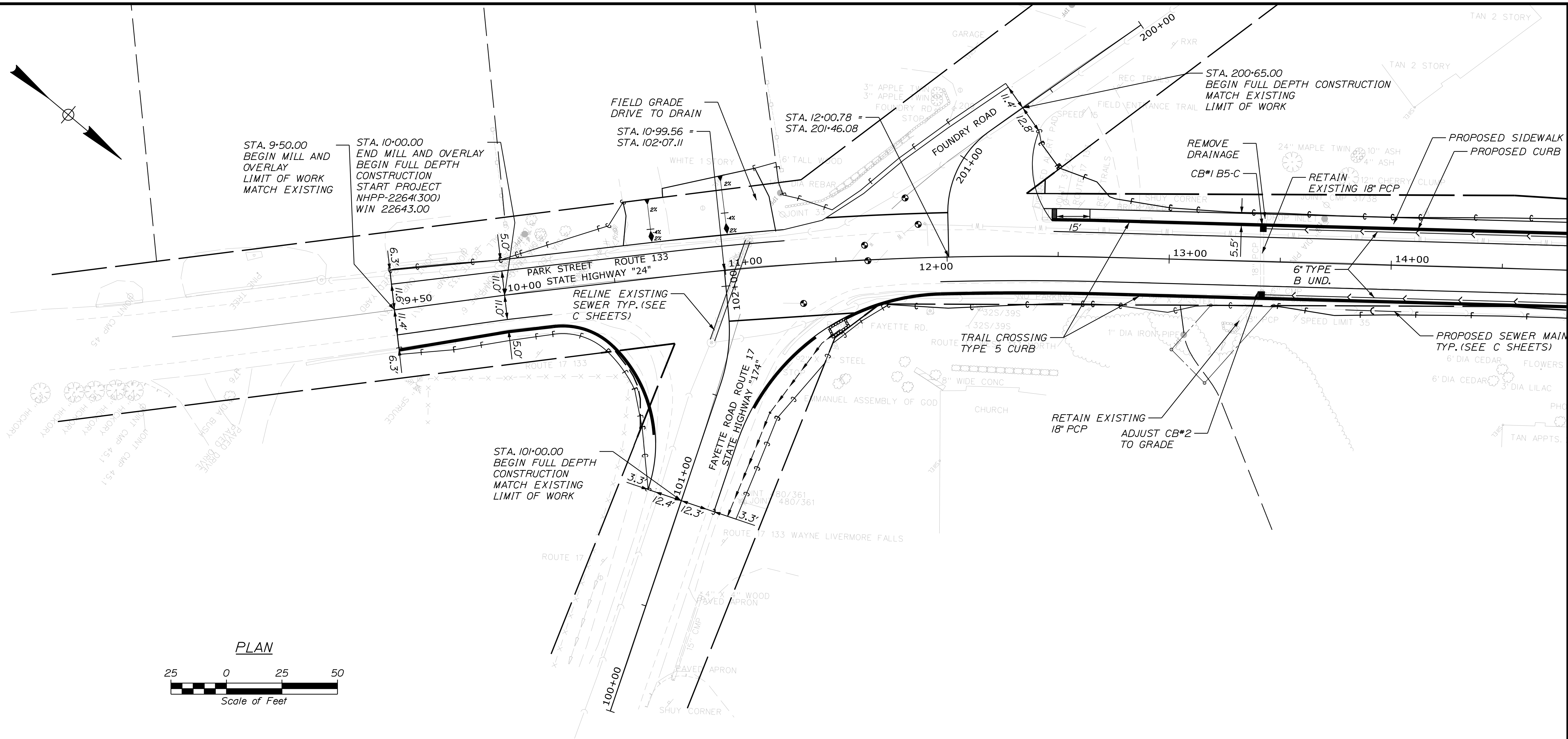
SHEET NUMBER
25

OF 135





STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		SIGNATURE	
(NHPP-2264(300))		P.E. NUMBER		DATE	
WIN 22643.00		HIGHWAY PLANS			
LIVERMORE FALLS ROUTE 17		PLAN / PROFILE		SHEET NUMBER	
27				OF 135	



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	T. HIGGINS	M. GROTE	3/24/26
CHECKED-REVIEWED	T. HIGGINS	L. SINTESCU	3/24/26
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17

SIDE ROAD PLAN / PROFILE

SHEET NUMBER

28

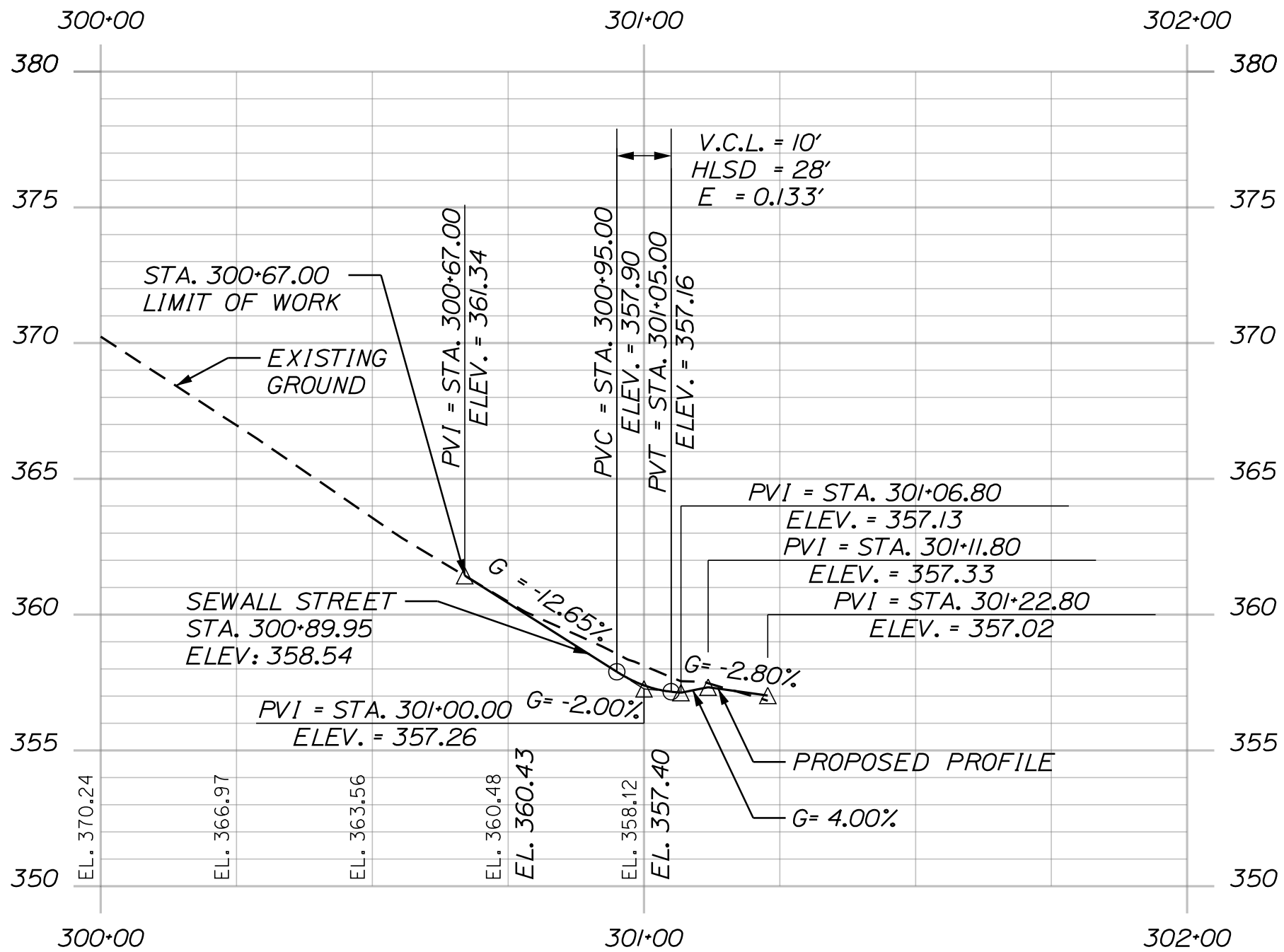
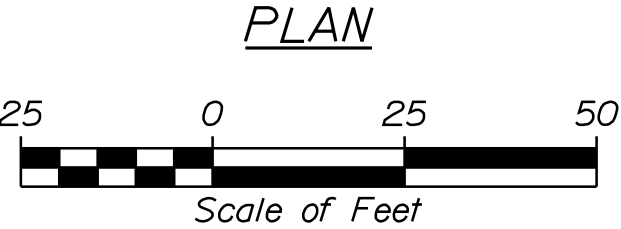
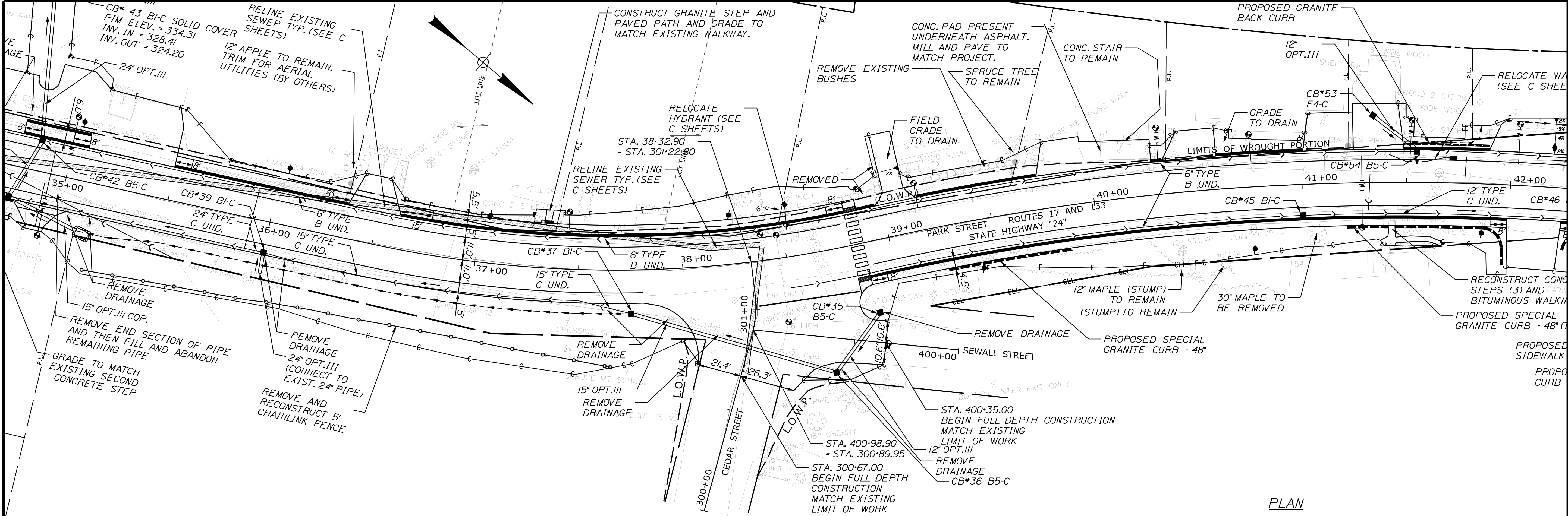
OF 135

Date:6/30/2026

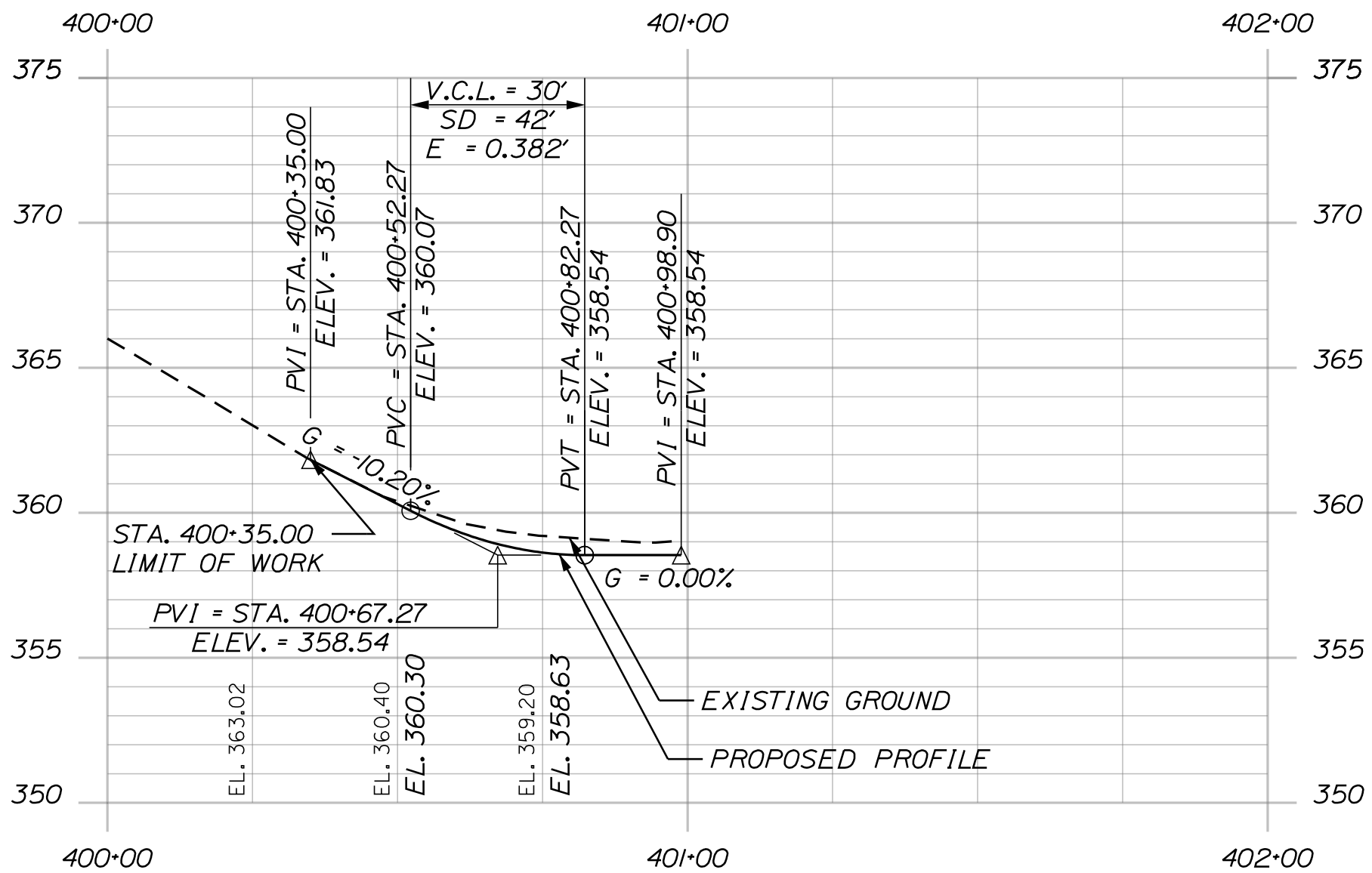
Username:

Division:

Filename: ... \030_HPPlan_Cedar_Sewall.dgn

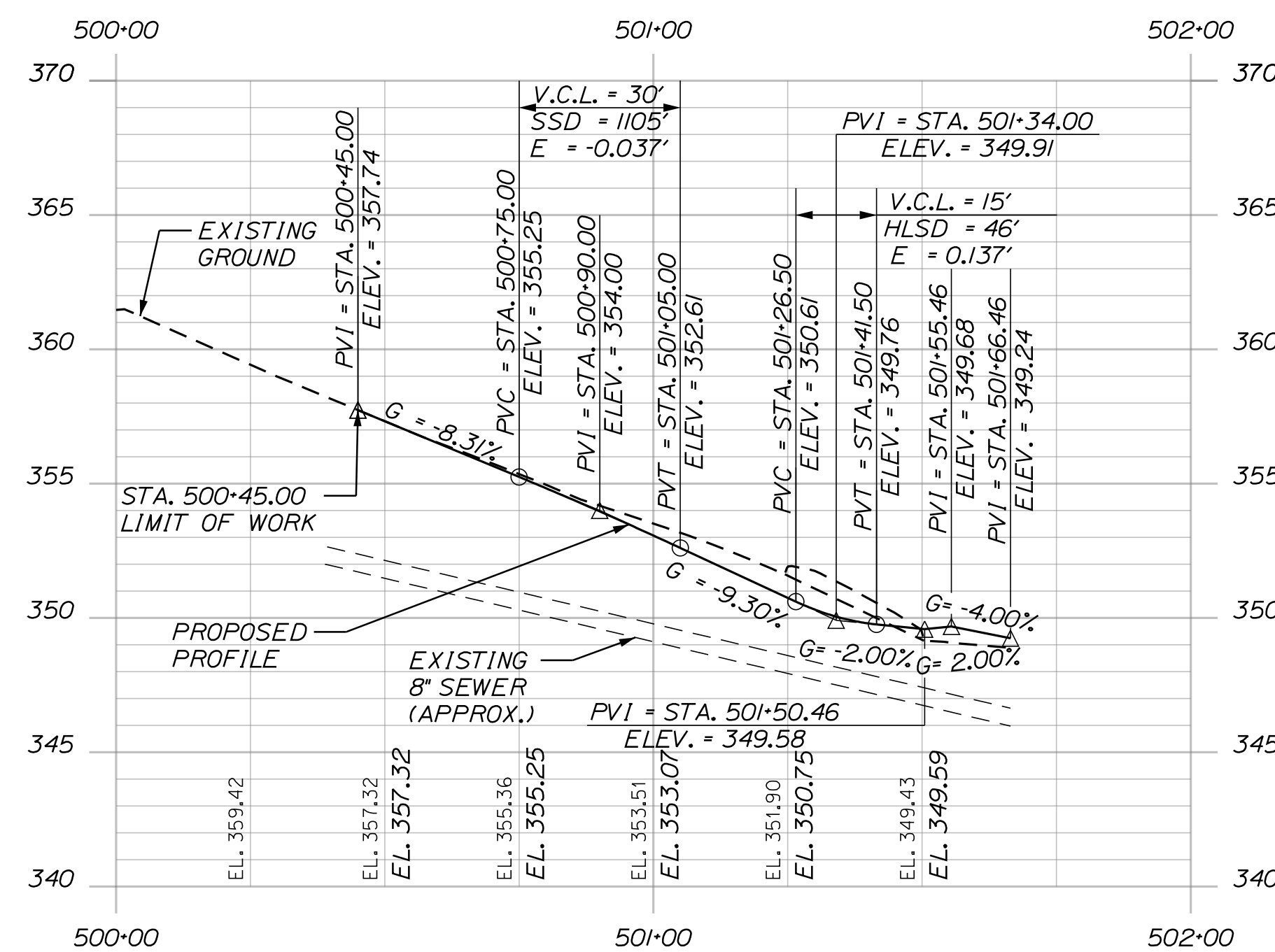
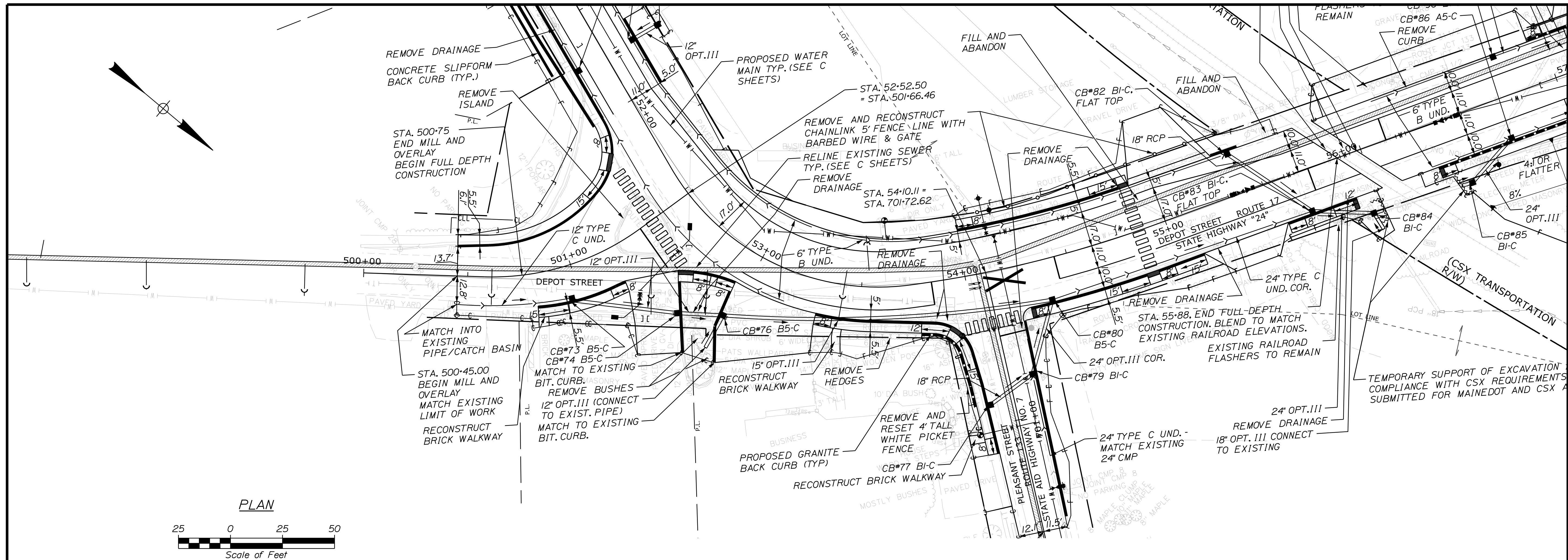


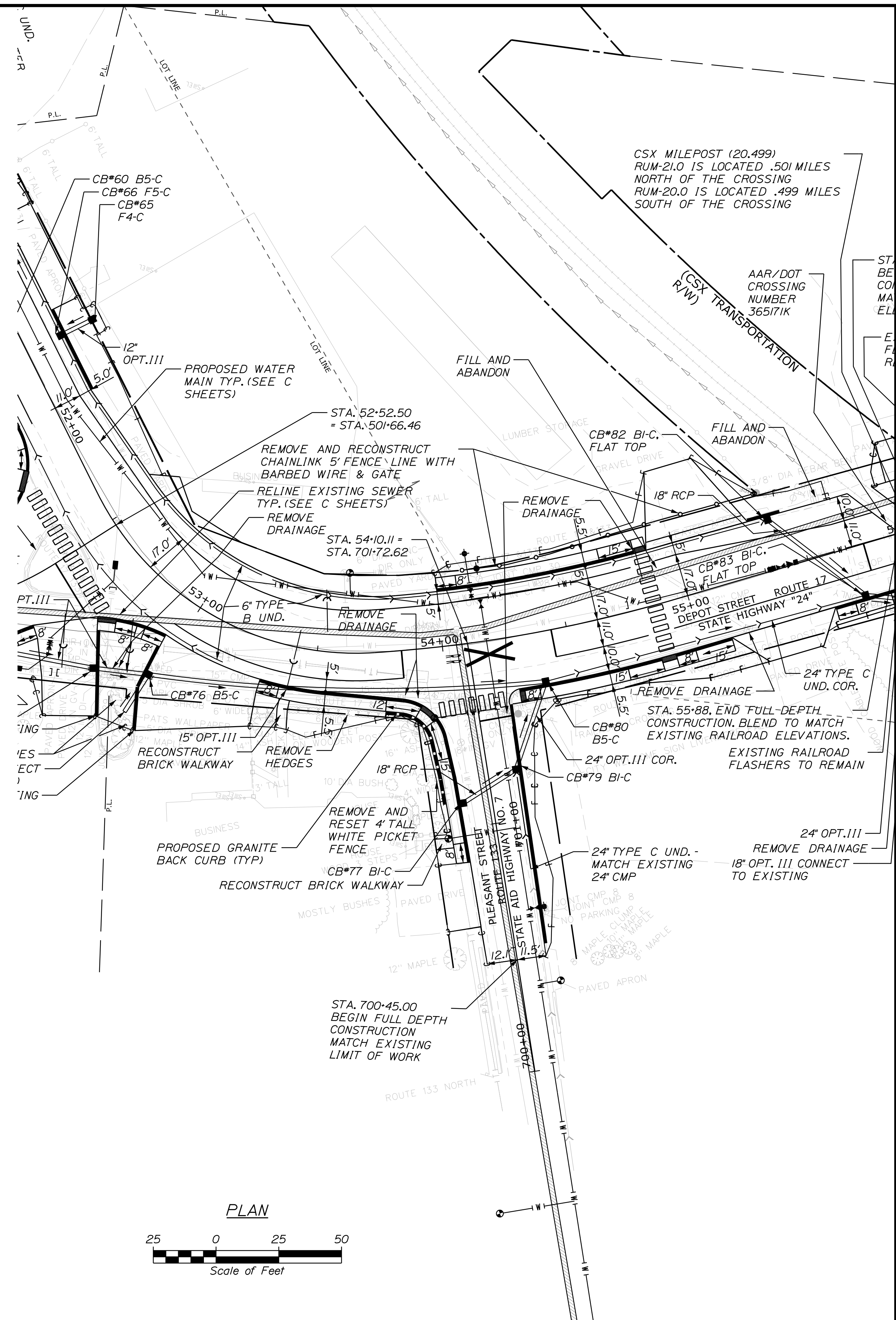
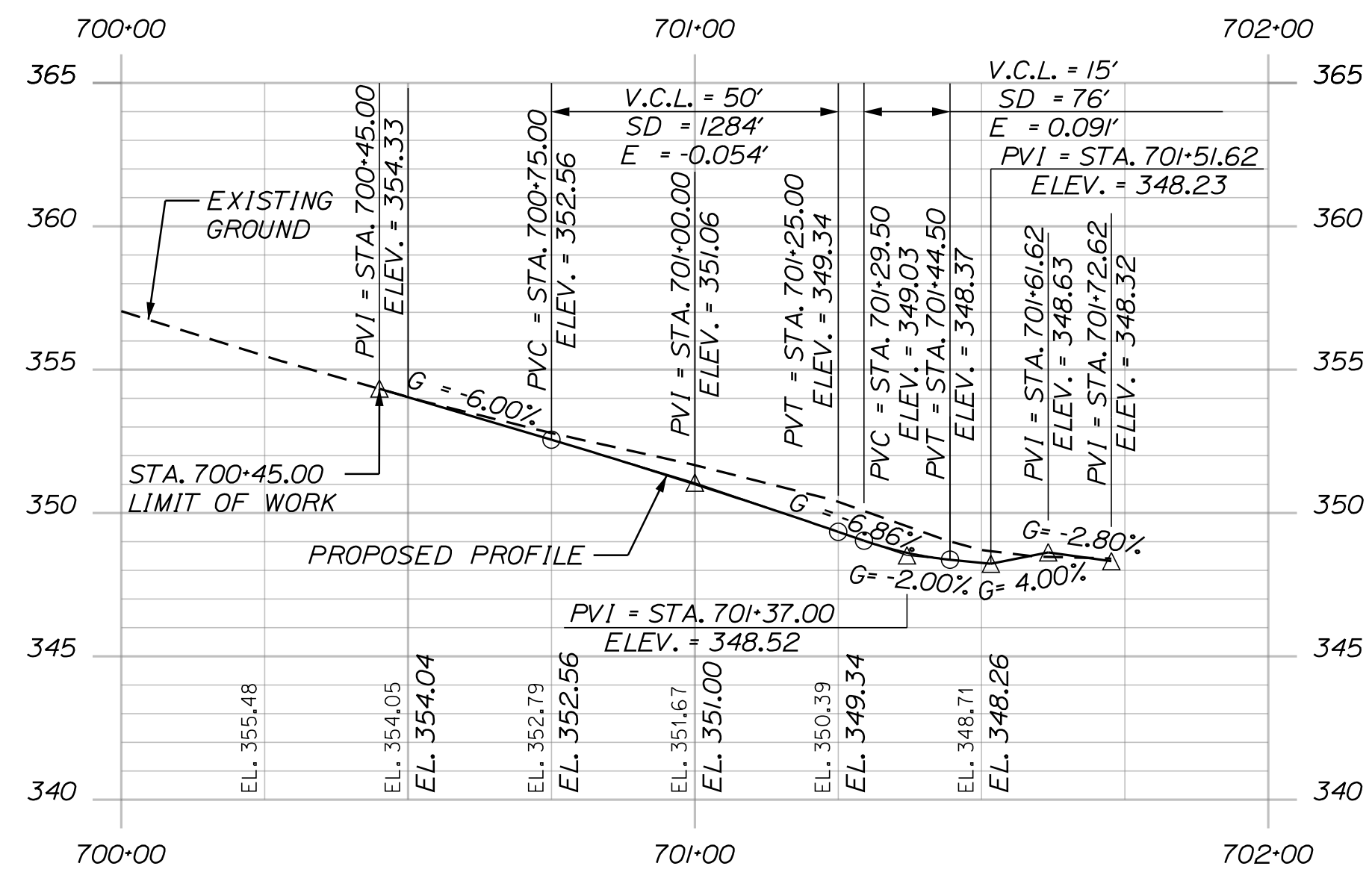
CEDAR ST PROFILE



SEWALL ST PROFILE

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	3/24/26	M. GROTE	3/24/26			
T. HIGGINS	3/24/26	L. SWINSON	3/24/26			
CHECKED-REVIEWED						
DESIGN-DETAILED						
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						



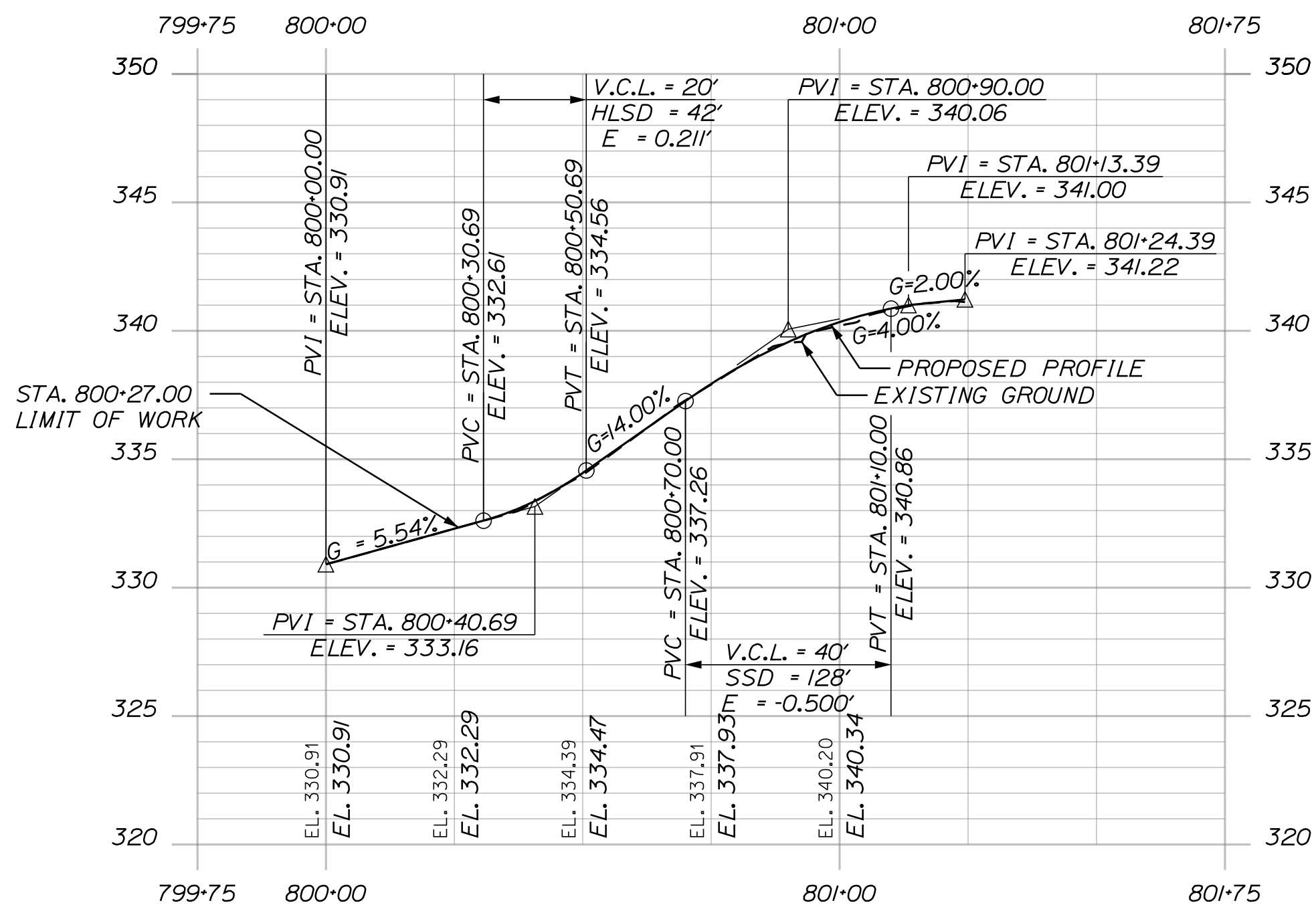
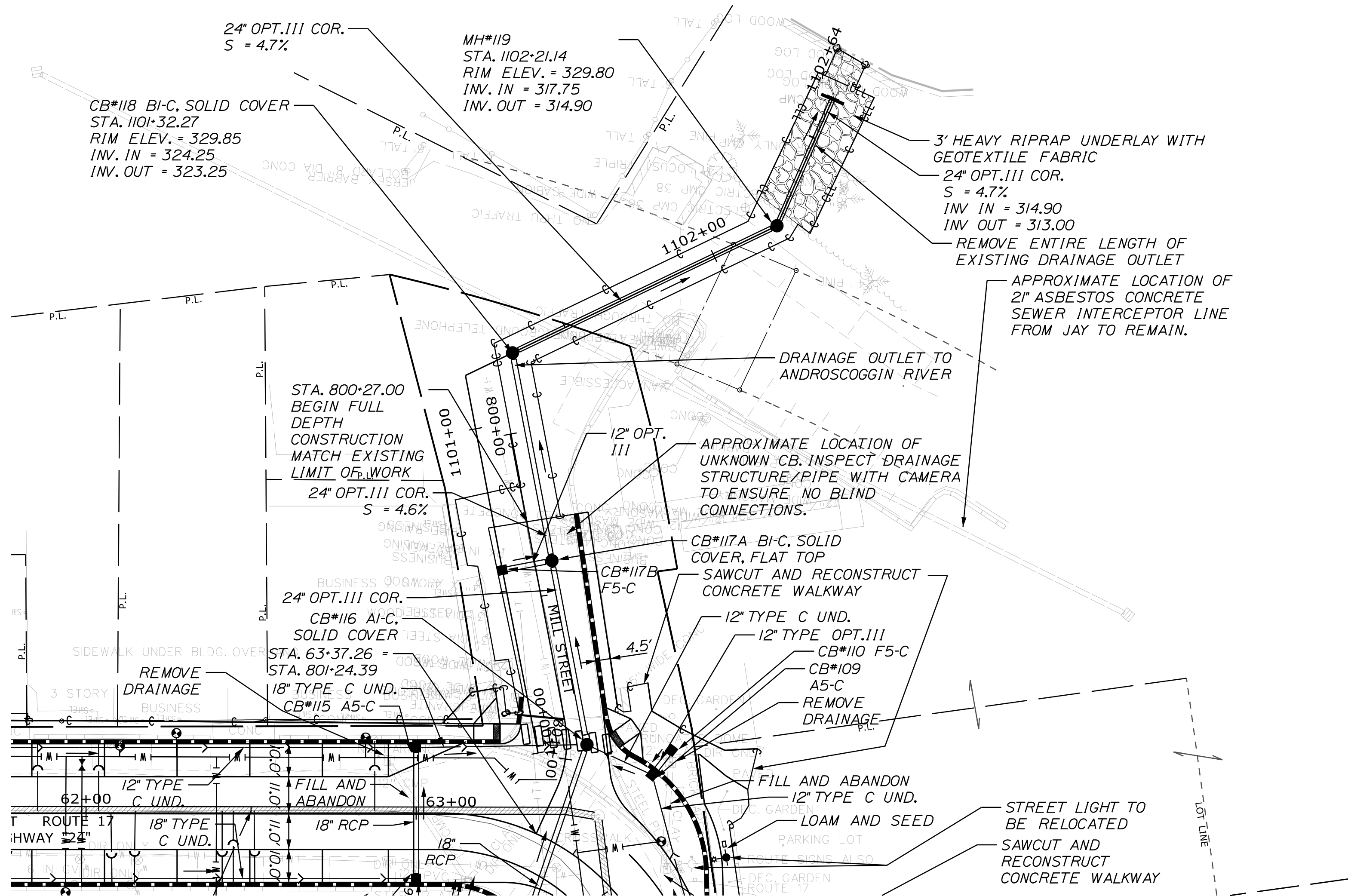
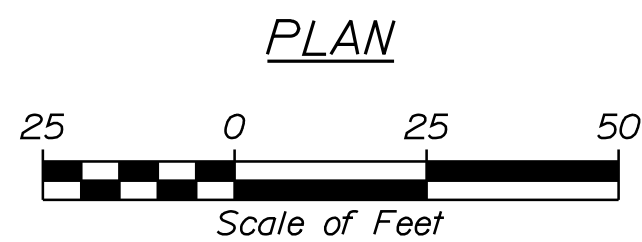
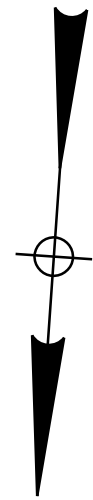


Date:6/30/2026

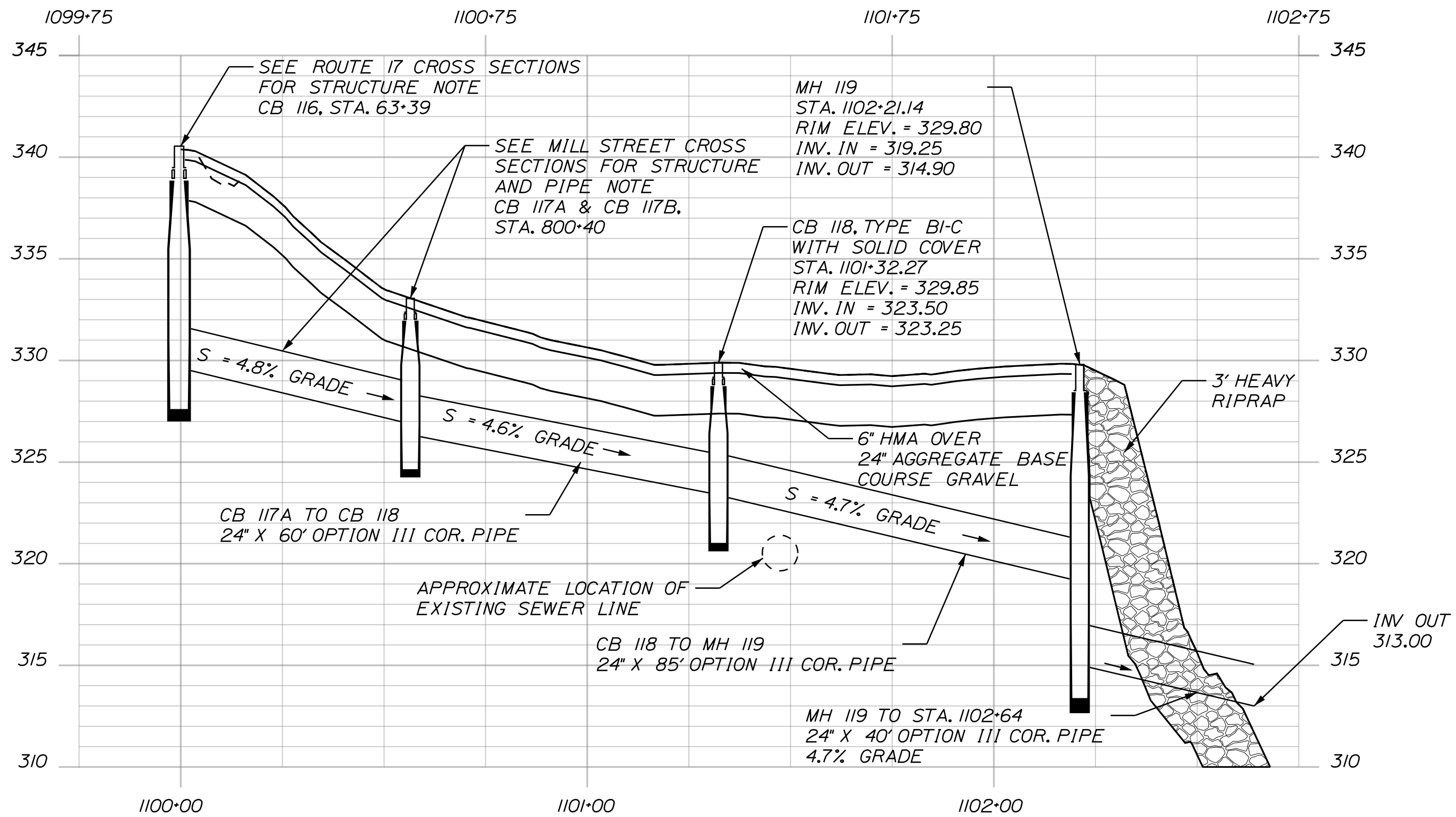
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Division:

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MILL ST PROFILE



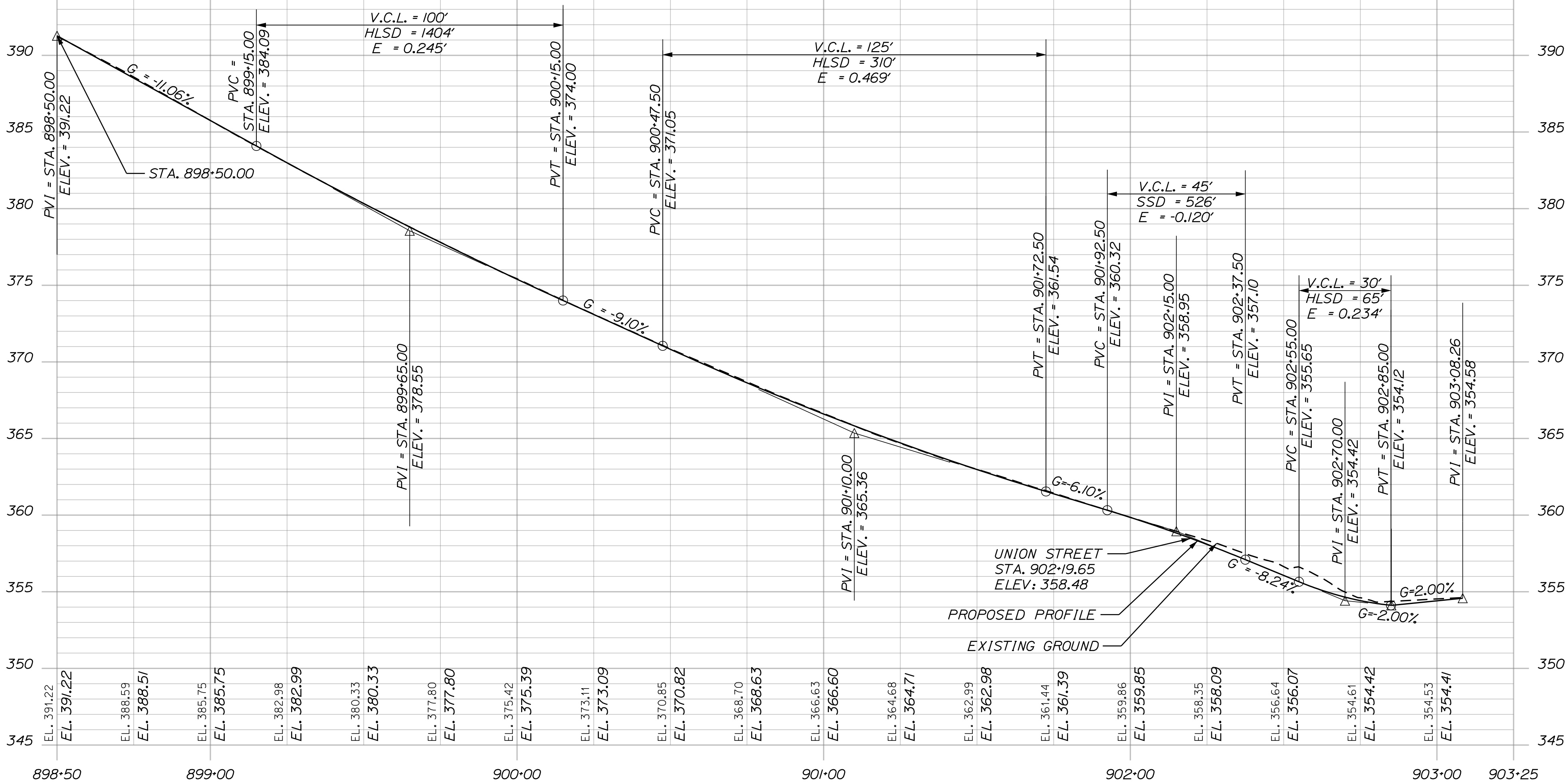
DRAINAGE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN 22643.00
HIGHWAY PLANS

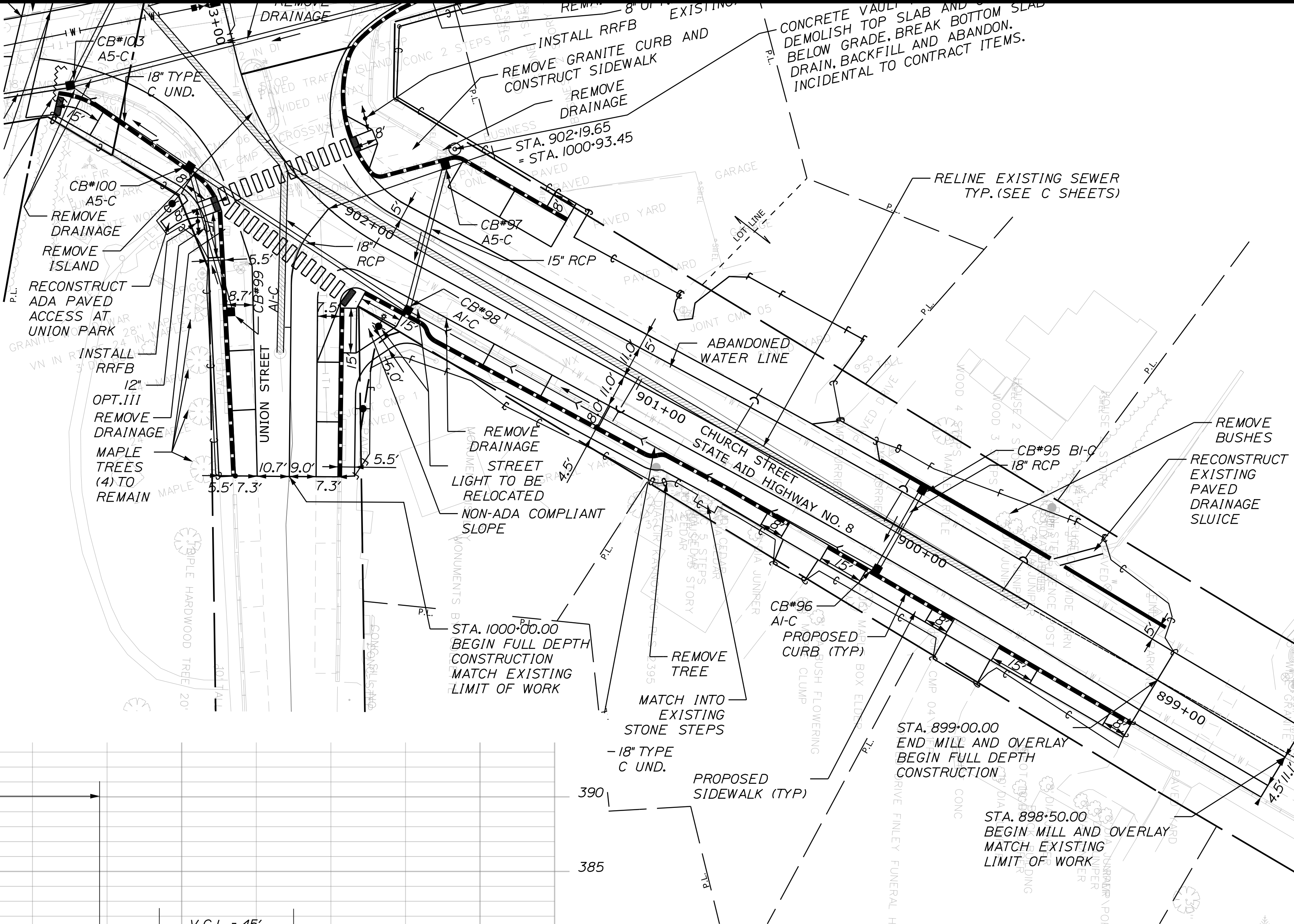
PROJ. MANAGER	E. MARTIN	BY	M. GROTE	DATE	3/24/26
DESIGN-DETAILED	T. HIGGINS	CHECKED-REVIEWED	T. HIGGINS	SIGNATURE	
DESIGNS-DETAILED		DESIGNS-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
SIDE ROAD PLAN / PROFILE

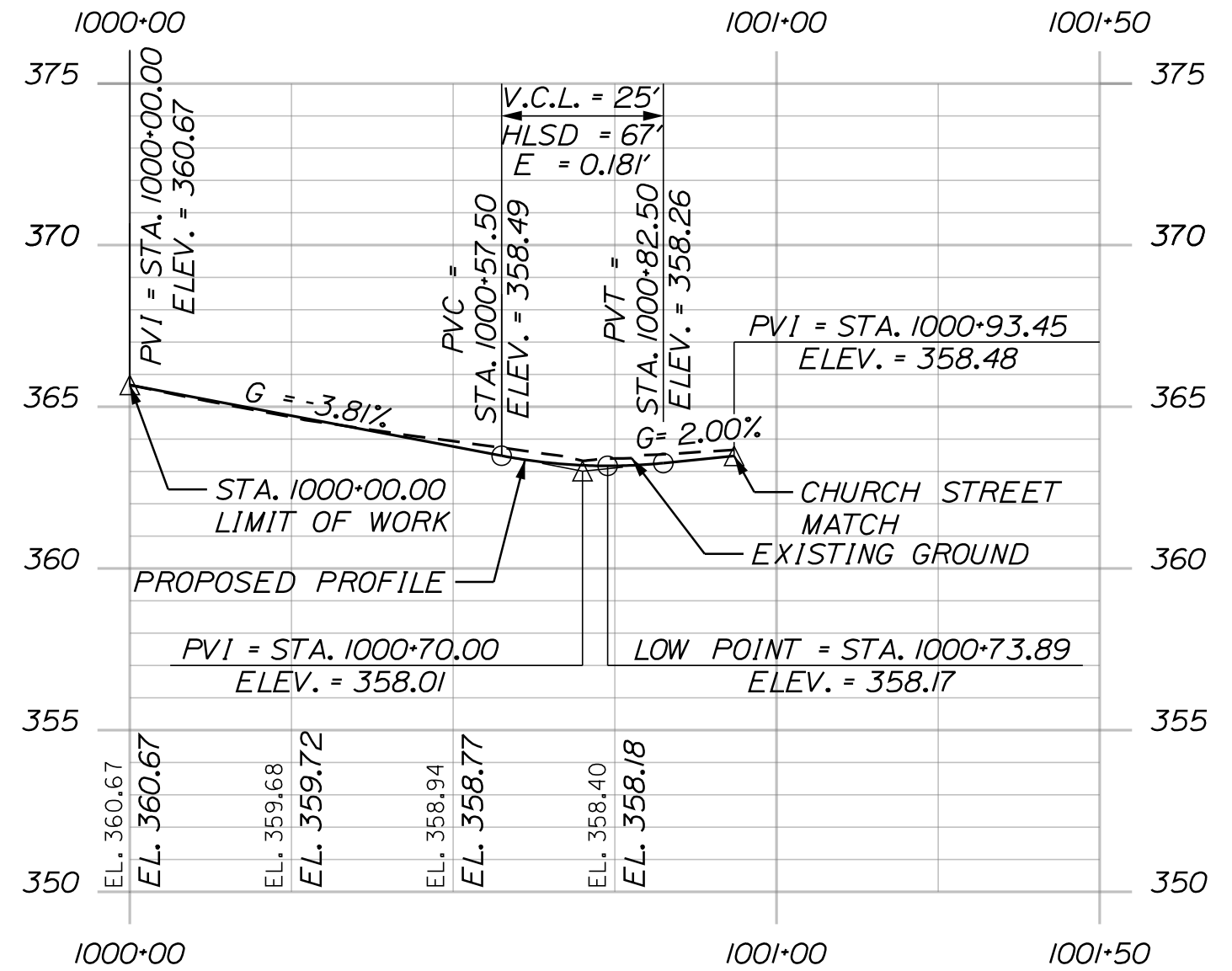
SHEET NUMBER
33
OF 135



CHURCH STREET PROFILE



PLAN



UNION STREET PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
E. MARTIN

BY
T. HIGGINS

DATE
3/24/26

CHECKED-REVIEWED
T. HIGGINS

DESIGNED-DETAILED
L. SWINSON

DESIGNED-DETAILED
L. SWINSON

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

LIVERMORE FALLS
ROUTE 17

SIDE ROAD PLAN / PROFILE

SHEET NUMBER

34

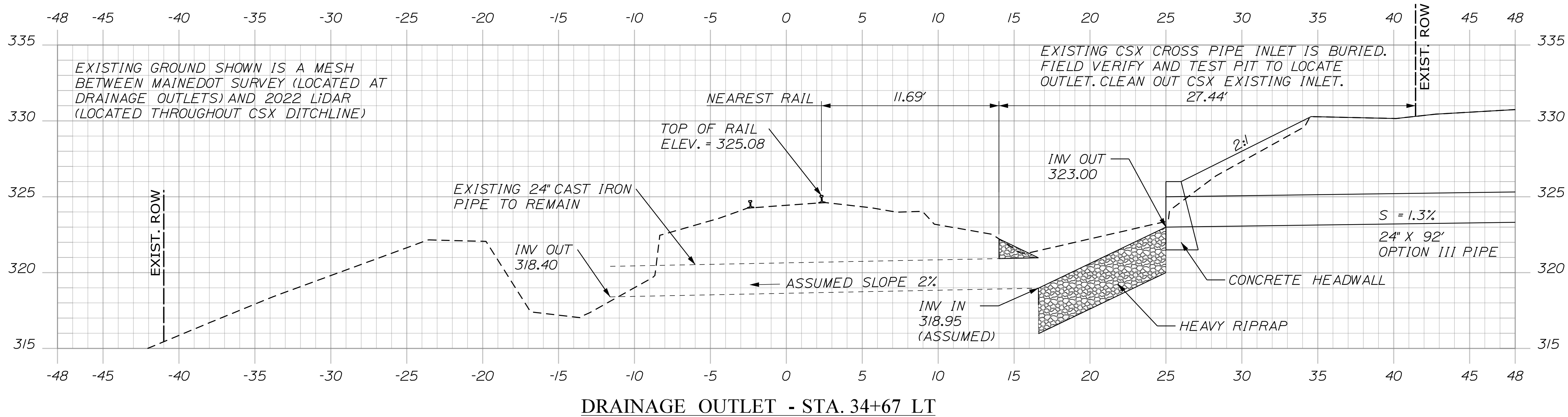
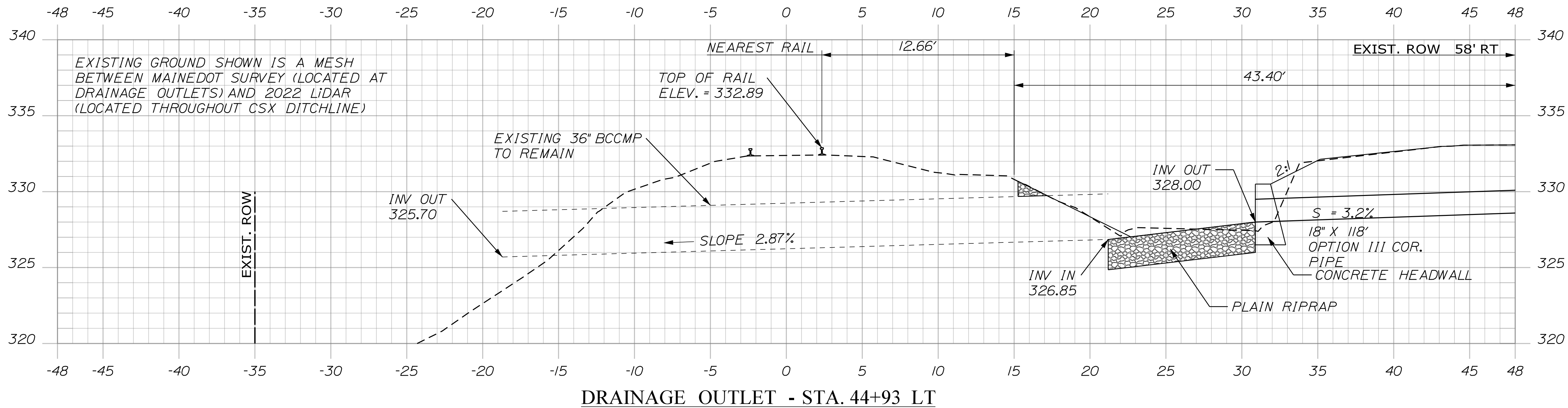
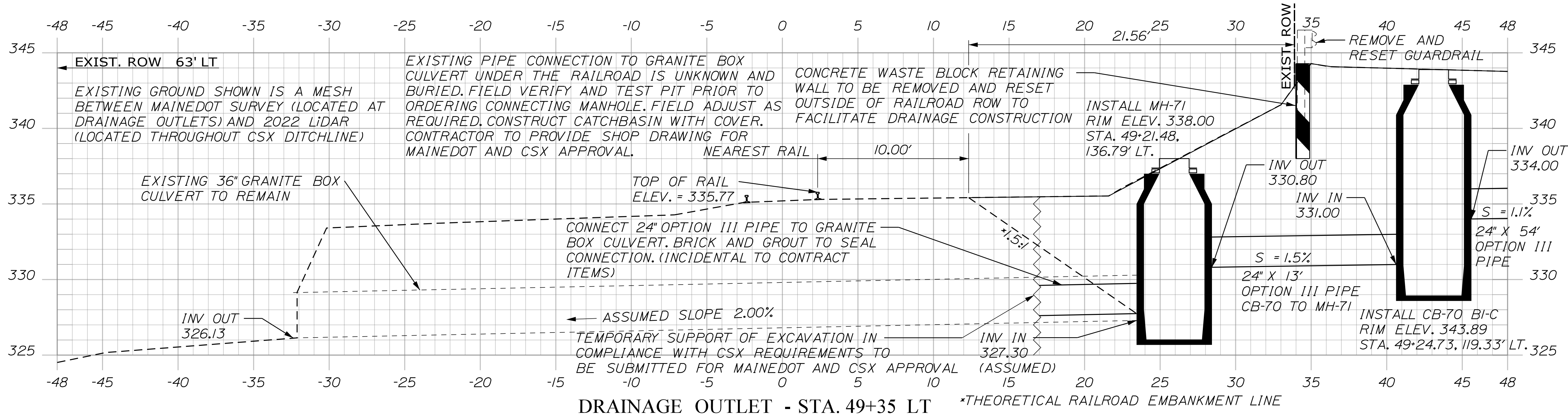
OF 135

Date:6/30/2026

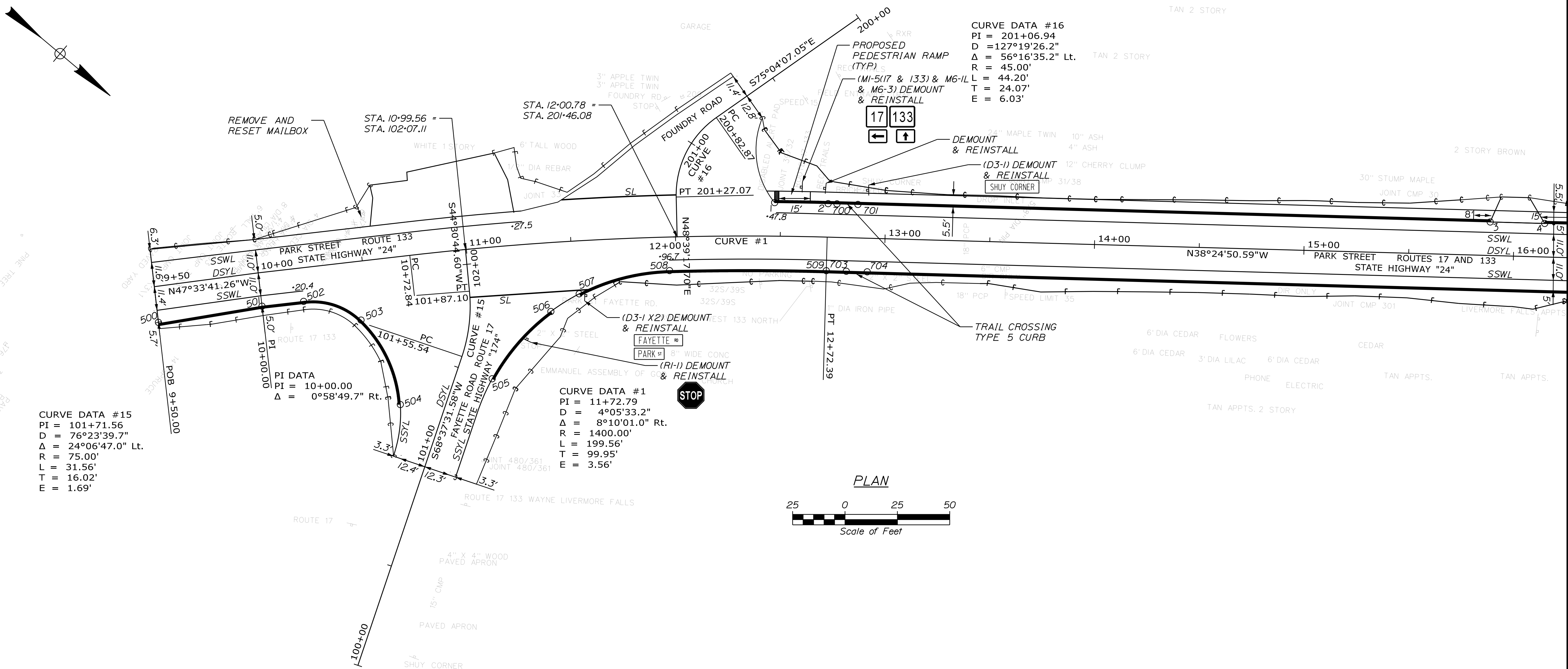
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Division:

Filename: ... \036_Drainage Outlet Sections.dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		(NHPP-2264(300))		WIN		22643.00		HIGHWAY PLANS	
LIVERMORE FALLS		ROUTE 17		DRAINAGE OUTLET SECTIONS		SHEET NUMBER		36		OF 135	
PROJ. MANAGER	E. MARTIN	BY	T. HIGGINS	DATE	3/24/26	CHECKED-REVIEWED	T. HIGGINS	DESIGN-DETAILED	L. SWINSON	SIGNATURE	
DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		REVISIONS 5		DATE	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		DATE	



DRIVES AND ENTRANCES

STATION	TYPE	OPENING WIDTH (FT)
10+68	LT PAVED	69
15+98	LT GRAVEL	26

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
1	12+47.14	-16.00 LT	594135.32	1035262.23
2	12+72.39	-16.00 LT	594155.18	1035246.18
3	15+88.48	-16.00 LT	594402.85	1035049.78
4	16+14.47	-16.00 LT	594423.21	1035033.63
700	12+76.62	-16.00 LT	594158.49	1035243.56
701	12+86.62	-16.00 LT	594166.33	1035237.34

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
500	9+50.00	17.98 RT	593946.75	1035495.00
501	10+00.00	16.00 RT	593979.67	1035457.32
502	10+20.00	16.00 RT	593993.42	1035442.79
503	10+46.17	27.99 RT	594020.12	1035432.03
504	10+60.19	70.18 RT	594060.40	1035450.84
505	11+06.65	62.60 RT	594086.07	1035413.25
506	11+38.21	32.82 RT	594086.90	1035370.65
507	11+52.52	25.27 RT	594091.84	1035355.51
508	11+96.73	16.00 RT	594117.74	1035319.29
509	12+72.39	16.00 RT	594175.06	1035271.25
703	12+81.97	16.00 RT	594182.57	1035265.30
704	12+91.93	16.00 RT	594190.38	1035259.11

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

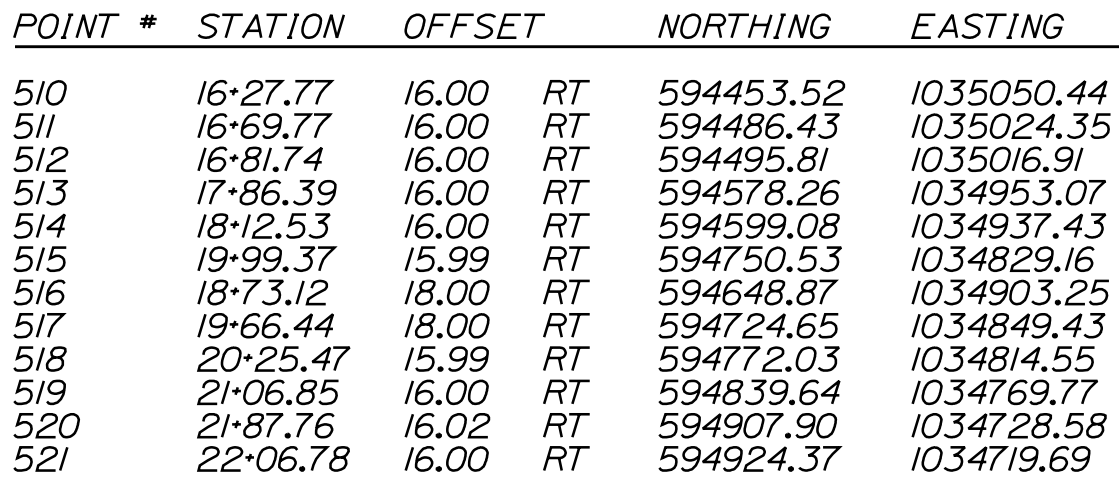
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17

SIGNING, MARKING & GEOM.

SHEET NUMBER
37
OF 135

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGNED-DETAILED CHECKED-REVIEWED DESIGNED-DETAILED DESIGNED-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	E. MARTIN T. HIGGINS M. GROTE L. S. WINTERS T. HIGGINS	3/24/26 3/24/26			

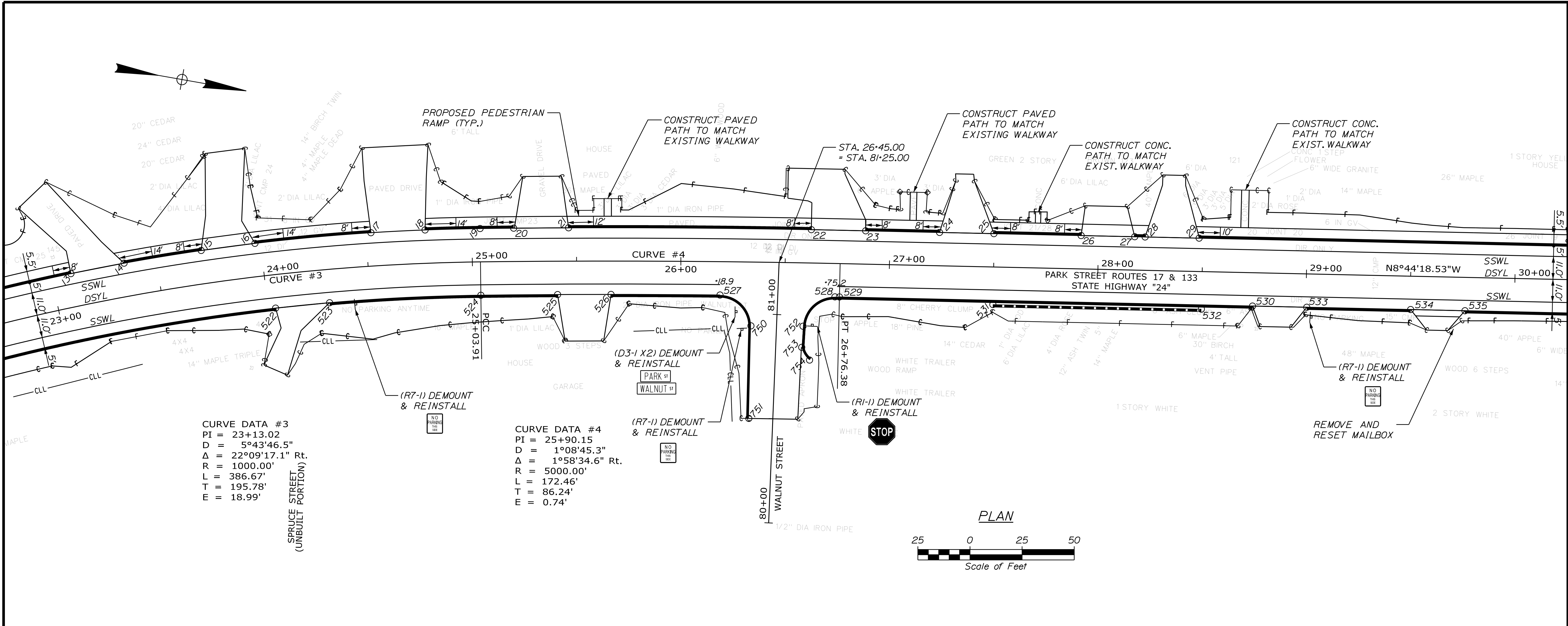


Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA\039_Signing3.DGN



CURVE DATA #3
PI = 23+13.02
D = 5°43'46.5"
Δ = 22°09'17.1" Rt.
R = 1000.00'
L = 386.67'
T = 195.78'
E = 18.99'

CURVE DATA #4
PI = 25+90.15
D = 1°08'45.3"
Δ = 1°58'34.6" Rt.
R = 5000.00'
L = 172.46'
T = 86.24'
E = 0.74'

DRIVES AND ENTRANCES

STATION	TYPE	OPENING WIDTH (FT)
23+86	LT PAVED	26
24+17	RT PAVED	26
24+65	LT PAVED	26
25+35	LT GRAVEL	26
25+54	RT PAVED	26
26+75	LT PAVED	26
27+37	LT PAVED	26
28+02	LT GRAVEL	26
28+35	LT PAVED	26
28+87	RT PAVED	26
29+63	RT GRAVEL	26

WALKWAYS

403.209 HOT MIX ASPHALT 9.5 MM (INCIDENTALS)

STATION	TYPE
25+65	LT PAVED
27+10	LT PAVED

608.08 REINFORCED CONCRETE SIDEWALK

STATION	TYPE
27+70	LT CONCRETE
28+70	LT CONCRETE

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
14	23+34.93	-16.00 LT	595028.27	1034638.31
15	23+71.80	-16.00 LT	595063.62	1034625.90
16	23+97.39	-16.00 LT	595088.41	1034618.06
17	24+52.36	-16.00 LT	595142.29	1034603.38
18	24+77.94	-16.00 LT	595167.62	1034597.56
19	25+03.91	-16.00 LT	595193.48	1034592.32
20	25+19.97	-16.00 LT	595209.31	1034589.35
21	25+46.22	-16.00 LT	595235.21	1034584.61
22	26+62.25	-16.00 LT	595350.00	1034565.26
23	26+88.26	-16.00 LT	595375.74	1034561.29
24	27+23.70	-16.00 LT	595410.77	1034555.90
25	27+49.76	-16.00 LT	595436.53	1034551.94
26	27+91.59	-16.00 LT	595477.87	1034545.59
27	28+17.29	-16.00 LT	595503.28	1034541.68
28	28+22.28	-16.00 LT	595508.21	1034540.93
29	28+48.18	-16.00 LT	595533.81	1034536.99

WALNUT ST GEOMETRICS - STATIONS AND OFFSETS FOR NORTHERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
752	80+94.90	12.71 RT	595354.12	1034611.56
753	80+84.77	12.49 RT	595355.26	1034621.64
754	80+78.81	16.48 RT	595360.01	1034627.00

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
522	24+03.64	16.00 RT	595103.56	1034646.94
523	24+30.10	16.00 RT	595128.62	1034639.89
524	25+03.90	16.00 RT	595199.42	1034623.77
525	25+40.81	16.00 RT	595235.59	1034617.06
526	25+66.50	16.00 RT	595260.80	1034612.55
527	26+18.92	16.00 RT	595312.31	1034603.75
528	26+74.22	16.00 RT	595366.73	1034595.05
529	26+76.38	15.99 RT	595368.86	1034594.72
530	28+74.50	16.00 RT	595564.68	1034564.62
531	27+50.01	18.00 RT	595441.95	1034585.51
532	28+50.00	18.00 RT	595540.77	1034570.32
533	29+00.51	16.00 RT	595590.39	1034560.67
534	29+50.33	16.00 RT	595639.63	1034553.10
535	29+76.37	16.00 RT	595665.37	1034549.14

WALNUT ST GEOMETRICS - STATIONS AND OFFSETS FOR SOUTHERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
750	80+94.09	-12.25 LT	595329.49	1034615.72
751	80+49.69	-11.49 LT	595336.19	1034659.62

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
E. MARTIN
DESIGN-DETAILED
T. HIGGINS
CHECKED-REVIEWED
T. HIGGINS
DESIGN-DETAILED
T. HIGGINS
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE
3/24/26
3/24/26
3/24/26

BY
M. GROTE
L. SINTESCU

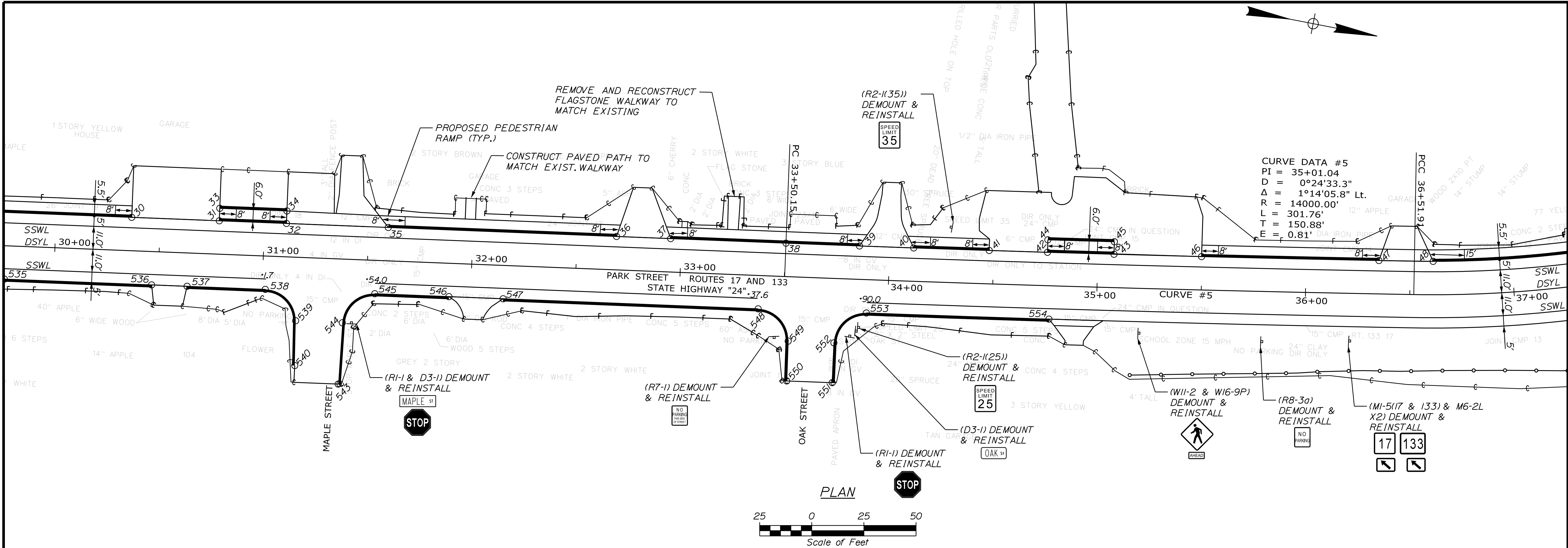
SIGNATURE

P.E. NUMBER

DATE

LIVERMORE FALLS
ROUTE 17
SIGNING, MARKING & GEOM.

SHEET NUMBER
39
OF 135



<u>DRIVES AND ENTRANCES</u>		
<u>STATION</u>	<u>TYPE</u>	<u>OPENING WIDTH (FT)</u>
30-54	LT PAVED	42
30-56	RT PAVED	17
31-23	LT PAVED	23
31-42	LT PAVED	26
32-03	RT PAVED	26
32-82	LT PAVED	26
33-98	LT PAVED	26
34-62	LT PAVED	28
34-90	RT GRAVEL	26
35-28	LT PAVED	42
36-48	LT GRAVEL	26

<u>WALKWAYS</u>		
<u>STATION</u>	<u>TYPE</u>	
32-00	LT	PAVED

<u>608.10 BRICK SIDEWALK (REM & REBUILD)</u>		
<u>STATION</u>	<u>TYPE</u>	
33-25	LT	FLAGSTONE

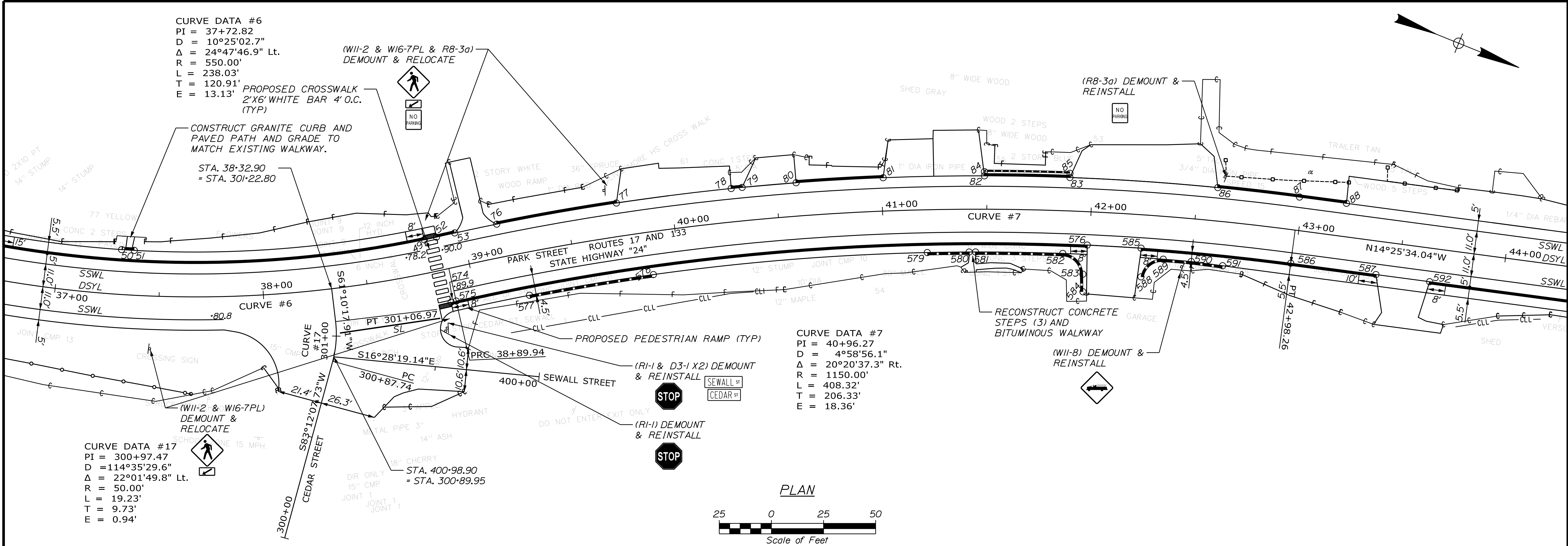
RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB					
POINT #	STATION	OFFSET		NORTHING	EASTING
30	30+36.21	-16.00	LT	595719.65	1034508.43
31	30+78.23	-16.00	LT	595761.19	1034502.04
32	31+0.45	-16.00	LT	595793.04	1034497.15
33	30+78.23	-22.00	LT	595760.27	1034496.11
34	31+0.45	-22.00	LT	595792.12	1034491.22
35	31+59.32	-16.00	LT	595841.34	1034489.72
36	32+68.84	-16.00	LT	595949.59	1034473.08
37	32+94.80	-16.00	LT	595975.25	1034469.14
38	33+50.15	-16.00	LT	596029.95	1034460.73
39	33+85.47	-16.00	LT	596064.81	1034455.33
40	34+11.50	-16.00	LT	596090.50	1034451.29
41	34+47.78	-16.00	LT	596126.28	1034445.58
42	34+75.76	-16.00	LT	596153.87	1034441.11
43	35+07.70	-16.00	LT	596185.36	1034435.95
44	34+75.75	-22.00	LT	596152.90	1034435.19
45	35+07.70	-22.00	LT	596184.38	1034430.03
46	35+49.75	-16.00	LT	596226.78	1034429.04
47	36+34.91	-16.00	LT	596310.62	1034414.66
48	36+61.20	-16.00	LT	596336.22	1034410.09

POINT *	STATION	OFFSET		NORTHING	EASTING
536	30+47.01	16.00	RT	595735.19	1034538.41
537	30+64.03	16.00	RT	595752.01	1034535.83
538	31+01.56	16.00	RT	595789.10	1034530.13
539	31+6.71	30.44	RT	595806.28	1034542.10
540	31+17.12	51.94	RT	595809.95	1034563.29
541	31+17.12	55.00	RT	595810.41	1034566.31
542	31+17.20	59.86	RT	595811.23	1034571.10
543	31+38.27	60.00	RT	595832.08	1034568.04
544	31+39.11	30.54	RT	595828.43	1034538.80
545	31+54.10	16.00	RT	595841.04	1034522.14
546	31+89.68	16.00	RT	595876.20	1034516.74
547	32+15.68	16.00	RT	595901.90	1034512.79
548	33+38.05	16.00	RT	596022.85	1034494.20
549	33+53.05	30.90	RT	596039.94	1034506.65
550	33+53.12	50.00	RT	596042.92	1034525.51
551	33+74.85	50.00	RT	596064.47	1034522.18
552	33+74.94	30.88	RT	596061.63	1034503.27
553	33+89.91	16.00	RT	596074.15	1034486.26
554	34+77.43	15.99	RT	596160.66	1034472.43

Date:6/30/2026

Username:

Filename: ... \HIGHWAY\MSTA\041_Signing5.DGN Division:



DRIVES AND ENTRANCES

STATION	TYPE	OPENING WIDTH (FT)
39+05	LT PAVED	21
39+87	LT PAVED	55
40+47	LT PAVED	26
41+10	LT PAVED	24
41+35	LT PAVED	24
42+05	RT PAVED	26
42+20	LT PAVED	71
43+31	LT PAVED	155*
43+54	RT GRAVEL	26
44+05	LT PAVED	155*

*COMBINED DRIVEWAY

WALKWAYS

403.209 HOT MIX ASPHALT 9.5 MM (INCIDENTALS)

STATION	TYPE
37+35	LT GRANITE CURB/PAVED
41+43	RT CONC. STEPS/PAVED

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
49	38+81.23	-16.00 LT	596532.41	1034329.22
50	37+30.59	-21.50 LT	596399.67	1034387.95
51	37+36.90	-21.50 LT	596405.42	1034386.02
52	38+87.41	-16.00 LT	596537.37	1034325.85
53	38+96.36	-16.05 LT	596544.72	1034320.71
76	39+16.67	-16.00 LT	596561.84	1034309.26
77	39+74.13	-16.00 LT	596611.23	1034278.38
78	40+28.85	-16.00 LT	596659.66	1034251.31
79	40+34.05	-15.99 LT	596664.32	1034248.86
80	40+59.69	-16.00 LT	596687.50	1034237.07
81	41+00.90	-16.00 LT	596725.28	1034219.23
82	41+48.81	-16.00 LT	596769.96	1034200.20
83	41+89.25	-16.00 LT	596808.28	1034185.59
84	41+48.81	-18.00 LT	596769.22	1034198.34
85	41+89.20	-18.00 LT	596807.55	1034183.73
86	42+59.37	-16.00 LT	596875.84	1034163.50
87	42+98.26	-16.00 LT	596913.86	1034153.03
88	43+20.97	-16.00 LT	596935.85	1034147.37

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
574	38+87.52	16.00 RT	596555.60	1034352.15
575	38+89.94	15.99 RT	596557.64	1034350.73
576	41+98.89	16.00 RT	596828.10	1034212.50
577	39+25.46	20.50 RT	596589.17	1034334.99
578	39+86.78	20.50 RT	596640.54	1034303.55
579	41+20.99	20.50 RT	596758.33	1034244.55
580	41+41.45	20.50 RT	596776.87	1034236.78
581	41+44.55	20.50 RT	596779.68	1034235.64
582	41+87.14	20.50 RT	596818.72	1034220.63
583	41+97.40	30.03 RT	596831.38	1034226.22
584	41+97.84	38.47 RT	596834.60	1034234.04
585	42+25.12	16.00 RT	596852.60	1034204.20
586	42+98.26	16.00 RT	596921.83	1034184.02
587	43+39.47	16.00 RT	596961.73	1034173.76
588	42+26.03	29.73 RT	596857.70	1034216.98
589	42+36.27	20.50 RT	596864.42	1034205.13
590	42+50.00	20.50 RT	596877.30	1034201.15
591	42+65.43	21.03 RT	596891.98	1034197.37
592	43+65.47	16.00 RT	596986.91	1034167.28

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
REVISIONS 1
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REVISIONS 4
FIELD CHANGES

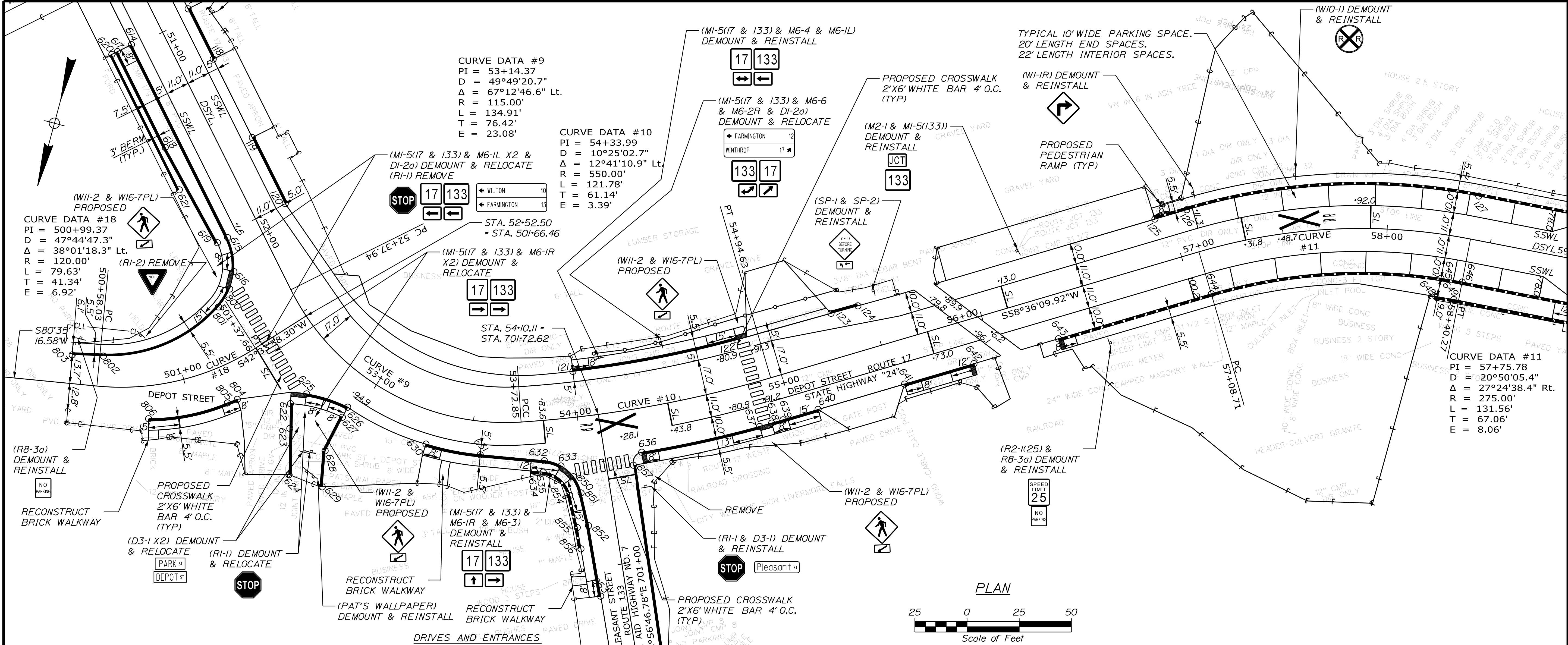
BY
E. MARTIN
T. HIGGINS
L. SWINSON

DATE
3/24/26
3/24/26

SIGNATURE
P.E. NUMBER
DATE

LIVERMORE FALLS
ROUTE 17
SIGNING, MARKING & GEOM.

SHEET NUMBER
41
OF 135



RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
614	50+98.65	16.00	RT	597614.80	1033804.52
615	52+02.02	16.00	RT	597692.22	1033736.02
616	52+17.96	20.58	RT	597707.20	1033728.89
617	50+98.65	23.50	RT	597619.77	1033810.13
618	51+50.00	23.50	RT	597658.23	1033776.11
619	52+02.02	21.50	RT	597695.87	1033740.14
620	50+98.65	26.50	RT	597621.75	1033812.38
621	51+71.19	26.50	RT	597676.09	1033764.31
622	52+76.62	32.84	RT	597761.34	1033686.31
623	52+82.54	41.75	RT	597772.87	1033683.51
624	52+92.01	59.27	RT	597794.40	1033678.16
625	52+78.53	24.09	RT	597754.82	1033680.01
626	52+94.91	16.57	RT	597755.87	1033659.36
627	52+95.48	21.99	RT	597761.20	1033660.59
628	52+97.26	39.93	RT	597778.87	1033664.41
629	53+03.01	55.26	RT	597795.92	1033661.28
630	53+31.41	16.00	RT	597763.25	1033618.53
631	53+54.73	16.00	RT	597761.46	1033592.07
632	53+82.41	19.30	RT	597756.27	1033561.67
633	53+89.88	22.52	RT	597756.63	1033553.28
634	53+77.49	24.00	RT	597762.41	1033564.93
635	53+81.50	24.71	RT	597761.69	1033560.75
636	54+27.63	21.00	RT	597740.24	1033517.60
637	54+83.38	21.00	RT	597713.69	1033466.21
638	54+89.16	21.00	RT	597710.64	1033461.04
639	54+94.63	21.00	RT	597707.71	1033456.18
640	55+12.17	20.93	RT	597698.52	1033441.24
641	55+55.40	21.00	RT	597676.05	1033404.31
642	55+90.05	21.00	RT	597657.99	1033374.72
643	56+32.29	21.00	RT	597635.99	1033338.67
644	57+08.71	21.00	RT	597596.18	1033273.44
645	58+29.10	21.00	RT	597560.53	1033169.05

STATION	TYPE	OPENING WIDTH (FT)
52+69	LT PAVED	12' MIN
53+12	RT PAVED	42
53+88	LT PAVED	131
55+12	LT GRAVEL	42
55+34	RT PAVED	43
56+71	LT GRAVEL	104
700+75	LT PAVED	26

*COMBINED DRIVEWAY

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
119	51+64.36	-16.00	LT	597642.81	1033737.01
120	51+99.76	-16.00	LT	597669.32	1033713.55
121	54+00.33	-22.00	LT	597711.33	1033559.50
122	54+83.66	-22.00	LT	597676.40	1033487.62
123	55+31.12	-21.50	LT	597652.42	1033447.17
124	55+44.49	-21.28	LT	597645.63	1033435.64
125	56+92.86	-21.00	LT	597568.59	1033308.85
126	57+08.72	-21.00	LT	597560.32	1033295.31

PLEASANT ST GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
850	701+44.94	-16.46	LT	597760.09	1033546.17
851	701+36.72	-14.06	LT	597766.63	1033540.63
852	701+20.66	-12.95	LT	597780.85	1033533.10
853	700+86.33	-12.44	LT	597812.02	1033518.71
854	701+36.34	-19.54	LT	597769.20	1033545.49
855	701+20.58	-18.44	LT	597783.16	1033538.09
856	701+10.24	-18.29	LT	597792.54	1033533.76

PLEASANT ST GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
857	701+45.96	12.77	RT	597747.28	1033519.86
858	700+49.74	11.59	RT	597835.70	1033481.88

DEPOT ST GEOMETRICS - STATIONS AND OFFSETS FOR SOUTHERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
800	501+42.46	-30.61	LT	597715.75	1033728.71
801	501+32.11	-26.09	LT	597725.48	1033731.64
802	500+60.00	-14.57	LT	597762.54	1033778.84
803	500+44.80	-13.71	LT	597765.84	1033793.45

DEPOT ST GEOMETRICS - STATIONS AND OFFSETS FOR NORTHERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
804	501+19.73	17.56	RT	597765.92	1033711.45
805	501+5.28	17.34	RT	597768.87	1033715.61
806	500+81.37	15.75	RT	597785.93	1033750.12

WALKWAYS

608.10 BRICK SIDEWALK (REM & REBUILD)

STATION	TYPE
53+40	RT BRICK
500+83	RT BRICK
700+94	RT BRICK

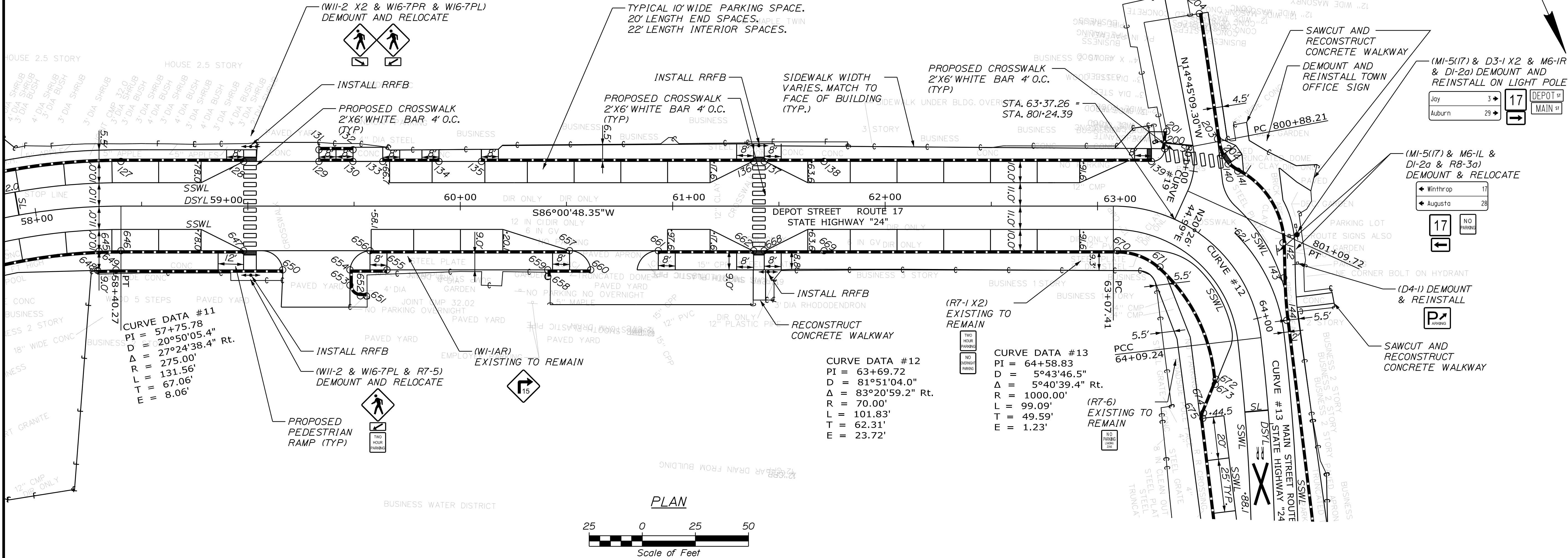
PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	M. GROTE	3/24/26	
DESIGNED-DETAILED	T. HIGGINS	3/24/26	
CHECKED-REVIEWED	L. SWINSON	3/24/26	
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA\044_Signing8.DGN



CURVE DATA #19
PI = 800+99.32
D = 163°42'08.0"
Δ = 35°11'54.3" Rt.
R = 35.00'
L = 21.50'
T = 11.10'
E = 1.72'

CURVE DATA #12
PI = 63+69.72
D = 81°51'04.0"
Δ = 83°20'59.2" Rt.
R = 70.00'
L = 101.83'
T = 62.31'
E = 23.72'

CURVE DATA #13
PI = 64+58.83
D = 5°43'46.5"
Δ = 5°40'39.4" Rt.
R = 1000.00'
L = 99.09'
T = 49.59'
E = 1.23'

PLAN



RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

MILL ST GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
127	58+40.27	-21.00 LT	597517.70	1033161.69
128	58+98.01	-21.00 LT	597513.69	1033104.09
129	59+33.47	-21.00 LT	597511.22	1033068.72
130	59+49.46	-21.00 LT	597510.11	1033052.77
131	59+33.47	-26.48 LT	597505.75	1033069.11
132	59+49.51	-26.50 LT	597504.62	1033053.10
133	59+63.51	-21.00 LT	597509.13	1033038.75
134	59+89.96	-21.00 LT	597507.29	1033012.36
135	60+09.96	-21.00 LT	597505.90	1032992.41
136	61+38.09	-21.00 LT	597497.00	1032864.60
137	61+43.09	-21.00 LT	597496.65	1032859.61
138	61+71.26	-21.00 LT	597494.69	1032831.51
139	63+21.06	-22.76 LT	597483.98	1032677.76
140	63+45.35	-34.81 LT	597482.67	1032641.67
141	63+49.12	-34.43 LT	597485.70	1032636.90
142	63+76.50	-25.71 LT	597517.83	1032613.36
143	63+87.67	-18.02 LT	597534.29	1032611.85
144	64+03.62	-13.25 LT	597554.12	1032609.04

WALKWAYS

608.08 REINFORCED CONCRETE SIDEWALK

STATION	TYPE
61+41	RT CONCRETE
63+97	LT CONCRETE
63+43	LT CONCRETE
63+67	LT CONCRETE

POINT #	STATION	OFFSET	NORTHING	EASTING
646	58+40.27	21.00 RT	597559.60	1033158.77
647	58+98.01	21.00 RT	597555.59	1033101.17
648	58+27.90	30.00 RT	597569.59	1033169.12
649	58+37.67	30.00 RT	597568.75	1033160.46
650	59+16.41	30.00 RT	597563.29	1033082.19
651	59+55.83	42.29 RT	597572.81	1033042.02
652	59+52.97	42.23 RT	597572.95	1033044.87
653	59+48.07	37.23 RT	597568.30	1033050.11
654	59+48.07	30.00 RT	597561.08	1033050.61
655	59+65.51	30.00 RT	597559.87	1033033.21
656	59+57.51	21.00 RT	597551.45	1033041.82
657	60+51.45	21.00 RT	597544.92	1032948.10
658	60+41.22	33.16 RT	597557.76	1032957.47
659	60+41.17	30.00 RT	597554.61	1032957.74
660	60+61.40	30.00 RT	597553.20	1032907.55
661	60+93.22	21.00 RT	597542.01	1032806.43
662	61+38.09	21.00 RT	597538.89	1032861.68
663	61+43.07	20.99 RT	597538.64	1032856.71
664	61+71.26	21.00 RT	597536.59	1032828.59
665	63+10.23	23.96 RT	597526.99	1032690.80
666	63+41.60	23.16 RT	597533.22	1032670.31
667	64+26.70	23.16 RT	597584.15	1032640.33
668	64+29.02	23.74 RT	597586.48	1032640.52
669	64+42.35	30.44 RT	597600.35	1032645.08
670	64+44.89	30.98 RT	597602.86	1032645.24

POINT #	STATION	OFFSET	NORTHING	EASTING
202	800+93.13	-13.05 LT	597478.82	1032644.85
203	800+86.91	-11.99 LT	597471.20	1032647.46
204	800+27.43	-14.57 LT	597413.03	1032660.11

MILL ST GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET	NORTHING	EASTING
200	800+86.84	13.30 RT	597477.58	1032671.94
201	800+79.01	10.84 RT	597469.38	1032671.56

DRIVES AND ENTRANCES

STATION	TYPE	OPENING WIDTH (FT)
59+14	LT PAVED	30
59+35	RT PAVED	51
60+73	RT PAVED	42
65+95	RT PAVED	26

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
E. MARTIN

BY
T. HIGGINS

DATE
3/24/26

CHECKED-REVIEWED
T. HIGGINS

DESIGN-DETAILED
L. SWINSON

DESIGN-DETAILED
L. SWINSON

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

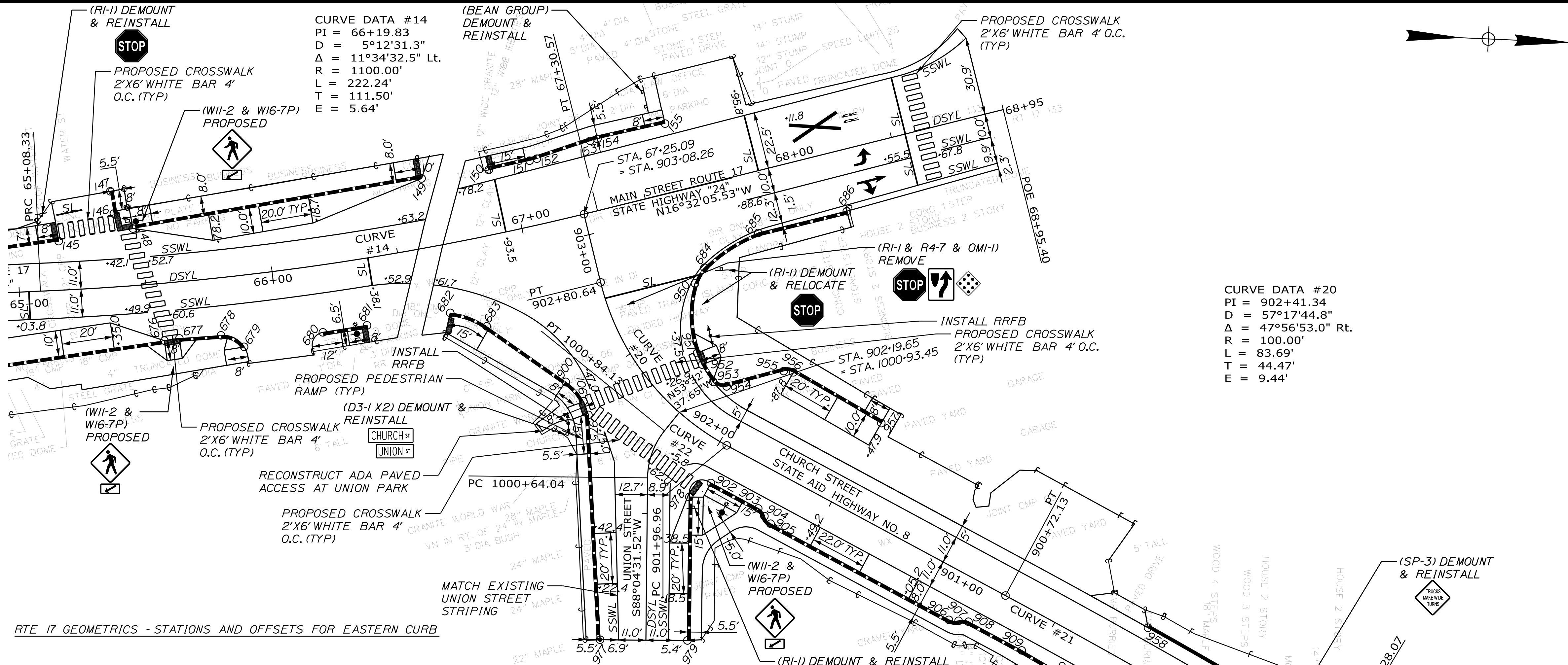
LIVERMORE FALLS
ROUTE 17

SIGNING, MARKING & GEOM.

SHEET NUMBER

44

OF 135



RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
676	65+55.35	22.57	RT	597710.87	1032624.45
677	65+61.22	22.23	RT	597716.77	1032623.31
678	65+77.34	22.63	RT	597733.10	1032621.39
679	65+85.71	28.10	RT	597742.40	1032625.49
680	66+16.46	26.39	RT	597773.16	1032618.44
681	66+33.69	26.23	RT	597790.44	1032614.91
682	66+66.09	26.97	RT	597822.98	1032608.55
683	66+78.80	34.92	RT	597837.58	1032613.22
684	67+66.03	31.99	RT	597922.28	1032586.33
685	67+89.91	23.81	RT	597942.85	1032571.70
686	68+25.88	23.96	RT	597977.37	1032561.60

RTE 17 GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
145	65+16.52	-19.37	LT	597667.55	1032587.10
146	65+39.39	-28.93	LT	597688.80	1032575.26
147	65+38.58	-37.77	LT	597687.01	1032566.56
148	65+46.61	-22.47	LT	597696.56	1032580.84
149	66+64.72	-27.22	LT	597809.37	1032556.08
150	66+91.99	-25.33	LT	597835.66	1032551.56
151	67+08.87	-25.42	LT	597851.57	1032547.21
152	67+11.93	-25.56	LT	597854.41	1032546.28
153	67+34.43	-27.43	LT	597875.08	1032538.36
154	67+37.41	-27.51	LT	597877.91	1032537.43
155	67+64.73	-26.91	LT	597904.27	1032530.23

WALKWAYS

403.209 HOT MIX ASPHALT 9.5 MM (INCIDENTALS)

STATION	TYPE
902+45	LT PAVED

CHURCH ST GEOMETRICS - STATIONS AND OFFSETS FOR EASTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
900	902+52.96	-27.54	LT	597869.66	1032633.71
901	902+44.91	-25.66	LT	597876.96	1032641.05
902	901+95.41	-16.00	LT	597928.59	1032671.03
903	901+74.22	-16.00	LT	597947.67	1032680.25
904	901+70.65	-17.50	LT	597950.23	1032683.16
905	901+67.07	-19.00	LT	597952.79	1032686.06
906	900+87.22	-19.00	LT	598024.69	1032720.82
907	900+83.68	-17.53	LT	598028.51	1032721.04
908	900+80.07	-16.00	LT	598032.43	1032721.23
909	900+56.15	-15.95	LT	598053.89	1032731.61
910	900+33.35	-16.50	LT	598073.97	1032742.15
913	900+18.10	-16.77	LT	598087.40	1032749.20
914	899+69.03	-17.11	LT	598130.60	1032771.88
915	899+51.25	-17.03	LT	598146.26	1032780.11
916	899+00.00	-16.36	LT	598191.52	1032803.87

CHURCH ST GEOMETRICS - STATIONS AND OFFSETS FOR WESTERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
950	902+66.33	35.35	RT	597918.84	1032592.67
951	902+32.86	21.50	RT	597920.87	1032620.08
952	902+26.89	19.88	RT	597923.10	1032624.55
953	902+17.17	17.83	RT	597927.80	1032631.21
954	902+10.79	19.69	RT	597933.10	1032632.71
955	901+91.06	36.46	RT	597955.34	1032625.69
956	901+87.48	37.82	RT	597959.16	1032626.02
957	901+47.50	36.65	RT	597994.64	1032644.48
958	900+16.95	16.00	RT	598103.22	1032720.48
959	899+51.55	16.00	RT	598161.55	1032750.82
960	899+46.25	15.97	RT	598166.24	1032753.36
961	899+06.67	15.95	RT	598201.10	1032772.29

DRIVES AND ENTRANCES

STATION	TYPE	OPENING WIDTH (FT)
67+85	LT PAVED	33
899+60	LT PAVED	18
900+25	LT PAVED	15
900+30	RT PAVED	26
900+70	RT PAVED	56
901+25	RT PAVED	48

UNION ST GEOMETRICS - STATIONS AND OFFSETS FOR NORTHERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
978	1000+56.65	16.51	RT	597920.32	1032676.94
979	1000+00.07	16.36	RT	597922.07	1032733.50

UNION ST GEOMETRICS - STATIONS AND OFFSETS FOR SOUTHERN CURB

POINT #	STATION	OFFSET		NORTHING	EASTING
975	1000+76.95	-28.95	LT	597879.18	1032646.33
977	1000+00.00	-18.04	LT	597887.68	1032734.72

CURVE DATA #20
PI = 902+41.34
D = 57°17'44.8"
Δ = 47°56'53.0" Rt.
R = 100.00'
L = 83.69'
T = 44.47'
E = 9.44'

CURVE DATA #22
PI = 1000+74.48
D = 190°59'09.4"
Δ = 38°22'50.8" Rt.
R = 30.00'
L = 20.10'
T = 10.44'
E = 1.77'

CURVE DATA #21
PI = 900+00.12
D = 1°54'35.5"
Δ = 2°45'05.0" Lt.
R = 3000.00'
L = 144.06'
T = 72.05'
E = 0.86'

PLAN



PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	3/24/26	T. HIGGINS	3/24/26			
DESIGN-DETAILED		M. GROTE				
CHECKED-REVIEWED		L. SWINSON				
DESIGN-DETAILED						
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

609.11 VERT CURB TYPE 1				
POINT	TO	POINT	SIDE	LENGTH (LF)
50	TO	51	LT	6.1
84	TO	85	LT	33.0
125	TO	128	LT	199.1
133	TO	134	LT	10.5
135	TO	136	LT	112.1
137	TO	139	LT	166.3
142	TO	145	LT	144.1
146	TO	147	LT	1.0
148	TO	149	LT	99.5
150	TO	151	LT	8.5
152	TO	153	LT	22.1
154	TO	155	LT	19.3
200	TO	201	RT	4.2
203	TO	204	LT	59.5
634	TO	635	RT	2.2
643	TO	647	RT	239.6
648	TO	650	RT	79.2
651	TO	652	RT	2.9
653	TO	654	RT	7.2
654	TO	655	RT	17.4
656	TO	657	RT	77.9
658	TO	659	RT	3.2
659	TO	660	RT	16.2
661	TO	662	RT	28.9
668	TO	670	RT	158.3

671	TO	672	RT	60.5
673	TO	674	RT	14.6
675	TO	676	RT	102.0
677	TO	678	RT	8.5
680	TO	681	RT	2.6
683	TO	900	RT	38.1
685	TO	686	RT	36.0
854	TO	855	LT	15.8
855	TO	856	LT	6.3
902	TO	903	LT	13.2
905	TO	906	LT	79.9
908	TO	910	LT	38.5
913	TO	914	LT	32.8
915	TO	916	LT	35.1
954	TO	955	RT	23.3
956	TO	957	RT	32.0
975	TO	977	LT	64.5
978	TO	979	RT	48.6

609.219 CONCRETE SLIPFORM TERMINAL END TYPE 2					
END POINT	LENGTH (LF)	END POINT	LENGTH (LF)	END POINT	LENGTH (LF)
1	15	32	8	89	4
3	8	33	8	90	4
4	15	34	8	91	4
6	8	35	8	92	4
7	10	36	8	93	4
8	8	37	8	94	4
9	8	39	8	95	4
11	8	40	8	96	4
12	8	41	8	97	4
13	8	42	8	98	4
14	14	43	8	99	4
15	8	44	8	100	4
16	14	45	8	101	4
17	8	46	8	102	4
18	14	47	8	103	4
20	8	48	15	105	4
21	12	49	8	106	4
22	8	76	4	108	4
23	8	77	4	109	4
24	8	80	4	110	4
25	8	81	4	111	4
26	8	82	4	112	4
29	10	83	4	113	4
30	8	86	4	114	4
31	8	88	4	115	4

116	4	536	4	610	8
117	4	537	4	611	8
118	4	540	4	612	8
119	4	543	4	613	8
120	4	546	4	614	8
121	8	547	4	616	8
122	15	550	4	617	8
123	4	551	4	619	4
124	4	554	4	620	8
504	4	574	8	621	4
505	4	576	8	622	4
506	4	585	8	625	8
507	4	587	10	626	8
510	4	592	8	627	4
511	4	593	10	630	8
513	4	594	8	633	12
514	4	596	8	636	8
515	4	597	10	637	13
518	4	598	8	638	8
519	4	599	8	640	15
520	4	601	8	641	8
522	4	602	8	642	12
523	4	603	4	751	4
525	4	604	8	754	4
526	4	605	8	800	15
530	4	606	8	804	8
533	4	607	8	806	15
534	4	608	8	850	15
535	4	609	8	853	8

857	4	958	4	960	4
858	4	959	4	961	4

609.21 CONCRETE SLIPFORM CURB TYPE 2				
POINT	TO	POINT	SIDE	LENGTH (LF)
1	TO	700	LT	14.7
700	TO	701	LT	10.0
701	TO	3	LT	293.9
4	TO	6	LT	180.3
7	TO	8	LT	89.7
9	TO	11	LT	188.7
12	TO	13	LT	57.7
14	TO	15	LT	15.5
16	TO	17	LT	33.9
18	TO	20	LT	20.5
21	TO	22	LT	96.4
23	TO	24	LT	19.4
25	TO	26	LT	25.8
27	TO	28	LT	5.0
29	TO	30	LT	170.0
31	TO	32	LT	16.2
33	TO	34	LT	16.2
35	TO	36	LT	93.5
37	TO	39	LT	74.6
40	TO	41	LT	20.2
42	TO	43	LT	15.9
44	TO	45	LT	15.9
46	TO	47	LT	69.1
48	TO	49	LT	190.6
52	TO	53	LT	9.0
76	TO	77	LT	50.3

78	TO	79	LT	5.3
80	TO	81	LT	33.8
82	TO	83	LT	33.0
86	TO	88	LT	54.1
89	TO	90	LT	10.5
91	TO	92	LT	10.6
93	TO	94	LT	10.6
95	TO	96	LT	30.7
97	TO	98	LT	30.3
99	TO	100	LT	7.5
101	TO	102	LT	6.8
103	TO	105	LT	35.1
106	TO	108	LT	34.6
109	TO	110	LT	41.1
111	TO	112	LT	8.0
113	TO	114	LT	72.0
115	TO	116	LT	72.0
117	TO	118	LT	19.0
119	TO	120	LT	27.4
121	TO	122	LT	57.0
123	TO	124	LT	5.4
500	TO	504	RT	141.3
505	TO	506	RT	35.0
507	TO	703	RT	125.3
703	TO	704	RT	10.0
704	TO	510	RT	331.8
511	TO	513	RT	108.3
514	TO	515	RT	178.2
518	TO	519	RT	73.1

609.21 CONCRETE SLIPFORM CURB TYPE 2, CONT.				
POINT	TO	POINT	SIDE	LENGTH (LF)
520	TO	522	RT	204.5
523	TO	525	RT	101.4
526	TO	751	RT	111.9
754	TO	530	RT	232.7
533	TO	534	RT	41.8
535	TO	536	RT	62.7
537	TO	540	RT	74.2
543	TO	546	RT	80.2
547	TO	550	RT	157.0
551	TO	554	RT	122.1
574	TO	576	RT	291.2
585	TO	587	RT	95.3
592	TO	593	RT	66.7
594	TO	596	RT	128.4
597	TO	598	RT	53.5
599	TO	601	RT	60.4
602	TO	603	RT	30.6
604	TO	605	RT	38.4
606	TO	607	RT	38.4
608	TO	609	RT	67.3
610	TO	611	RT	67.3
612	TO	613	RT	67.3
614	TO	616	RT	104.2
617	TO	619	RT	91.5
620	TO	621	RT	60.5
622	TO	624	RT	30.1
625	TO	626	RT	4.8
627	TO	628	RT	14.1
628	TO	629	RT	17.3

630	TO	633	RT	45.9
636	TO	637	RT	36.9
641	TO	642	RT	14.7
800	TO	803	LT	72.2
804	TO	806	RT	20.8
850	TO	853	LT	36.0
857	TO	858	RT	88.2

609.1101 SPECIAL GRANITE CURB - 48 INCH					
POINT	TO	POINT	SIDE	LENGTH (LF)	RADIUS (FT)
516	TO	517	RT	93.0	
531	TO	532	RT	100.0	
577	TO	578	RT	60.2	
579	TO	580	RT	20.0	
581	TO	582	RT	41.8	
582	TO	583	RT	15.3	10
583	TO	584	RT	8.5	
588	TO	589	RT	15.0	10
589	TO	590	RT	13.5	
590	TO	591	RT	15.2	

609.234 TERMINAL CURB TYPE 1 - 4 FOOT			
END POINT	END POINT	END POINT	END POINT
84	201	648	660
85	634	650	856

609.237 TERMINAL CURB TYPE 1 - 7 FOOT			
END POINT	END POINT	END POINT	END POINT
680			

609.238 TERMINAL CURB TYPE 1 - 8 FOOT			
END POINT	END POINT	END POINT	END POINT
125	137	647	902
128	139	656	910
129	145	657	913
130	146	661	914
131	148	662	915
132	149	668	916
133	150	676	957
134	155	677	975
135	643	681	978
136			

609.2381 TERMINAL CURB TYPE 1 - 8 FOOT - CIRCULAR			
END POINT	RADIUS	END POINT	RADIUS
140	17.6	901	20.0
202	35.4	951	42.6
679	10.0	952	42.6
682	30.0		

609.12 VERT CURB TYPE 1- CIRCULAR					
POINT	TO	POINT	SIDE	LENGTH (LF)	RADIUS
140	TO	142	LT	36.2	40
151	TO	152	LT	3	30.0
153	TO	154	LT	3	30.0
635	TO	854	RT	18	14.5
652	TO	653	RT	7.8	5.0
670	TO	671	RT	21.9	30.0
672	TO	673	RT	2.4	5.0
674	TO	675	RT	2.5	5.0
678	TO	679	RT	2.7	10.0
682	TO	683	RT	7.5	30.0
685	TO	684	RT	25.4	60.0
684	TO	950	RT	7.3	15.0
903	TO	904	LT	4	5.0
904	TO	905	LT	4	5.0
906	TO	907	LT	3.9	5.0
907	TO	908	LT	3.9	5.0
950	TO	951	RT	20	42.6
952	TO	953	RT	8.2	42.6
953	TO	954	RT	5.8	5.0
955	TO	956	RT	3.9	5.0

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN
22643.00
HIGHWAY PLANS

LIVERMORE FALLS
ROUTE 17
CONSTRUCTION NOTES

SHEET NUMBER
46
OF 135

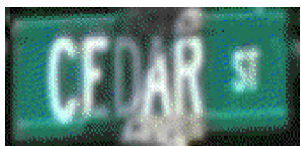
Date:6/30/2026

Username:

Division:

Filename: ... \MSTAD047_SignSummary.dgn

DEMOUNT & REINSTALL SIGN SUMMARY

MUTCD #	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET	POST
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE.MKR.		BACK-GROUND	LEGEND BORDER		
				TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"				COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			
DI-2a WAYNE 10 READFIELD 14							1	GREEN	WHITE		
DI-2a WILTON 10 FARMINGTON 13							1	GREEN	WHITE		
DI-2a FARMINGTON 12 WINTHROP 17							1	GREEN	WHITE		
DI-2a WINTHROP 17 AUGUSTA 28							1	GREEN	WHITE		
DI-2a JAY 3 AUBURN 29							1	GREEN	WHITE		
D3-1 (SHUY CORNER)							1	GREEN	WHITE		
D3-1 (FAYETTE RD)							1	GREEN	WHITE		
D3-1 (PARK ST)							3	GREEN	WHITE		
D3-1 (WALNUT ST)							1	GREEN	WHITE		
D3-1 (MAPLE ST)							1	GREEN	WHITE		
D3-1 (OAK ST)							1	GREEN	WHITE		
D3-1 (SEWALL ST)							1	GREEN	WHITE		
D3-1 (CEDAR ST)							1	GREEN	WHITE		

DEMOUNT & REINSTALL SIGN SUMMARY

MUTCD #	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET	POST
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE.MKR.		BACK-GROUND	LEGEND BORDER		
				TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"				COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			
D3-1 (DEPOT ST)							2	GREEN	WHITE		
D3-1 (PLEASANT ST)							1	GREEN	WHITE		
D3-1 (MAPLE ST)							1	GREEN	WHITE		
D3-1 (CHURCH ST)							1	GREEN	WHITE		
D3-1 (UNION ST)							1	GREEN	WHITE		
M1-5 (17)							10	WHITE	BLACK		
M1-5 (133)							9	WHITE	BLACK		
M2-1P							1	WHITE	BLACK		
M3-2							1	WHITE	BLACK		
M3-3							1	WHITE	BLACK		
M6-1L							5	WHITE	BLACK		
M6-1R							4	WHITE	BLACK		
M6-2L							2	WHITE	BLACK		

*SIGN ASSEMBLY POST AND FOUNDATION SIZING SHALL UTILIZE POST SIZING TABLE FROM STANDARD DETAIL 645(06). POST SHALL BE INSTALLED WITH A BREAKAWAY DEVICE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

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

BY
E. MARTIN
T. HIGGINS
M. GROTE
L. SWINSON

DATE
3/24/26
3/24/26

SIGNATURE

P.E. NUMBER

DATE

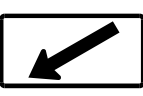
LIVERMORE FALLS
ROUTE 17
SIGN SUMMARY

SHEET NUMBER
47
OF 135

DEMOUNT & REINSTALL SIGN SUMMARY

MUTCD #	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET	POST
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE.MKR.		BACK-GROUND	LEGEND BORDER		
				TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"				COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			
M6-2R							1	WHITE	BLACK		
M6-3							1	WHITE	BLACK		
M6-4							1	WHITE	BLACK		
M6-6							1	WHITE	BLACK		
W1-1L							1	YELLOW	BLACK		
W1-1R							1	YELLOW	BLACK		
W11-2							7	YELLOW	BLACK		
W16-9P							1	YELLOW	BLACK		
W11-8							1	YELLOW	BLACK		
SP-1							1	YELLOW	BLACK		
SP-3							1	YELLOW	BLACK		
SP-2							1	YELLOW	BLACK		
W10-1							1	YELLOW	BLACK		

DEMOUNT & REINSTALL SIGN SUMMARY

MUTCD #	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQUARE FEET	POST
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE.MKR.		BACK-GROUND	LEGEND BORDER		
				TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"				COLORS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			
W16-7PL							3	YELLOW	BLACK		
W16-7PR							1	YELLOW	BLACK		
R1-1							12	RED	WHITE		
R2-1 (25)							2	WHITE	BLACK		
R2-1 (35)							1	WHITE	BLACK		
R7-1 (THIS SIDE)							3	WHITE	RED		
R7-1 (THIS SIDE OF STREET)							1	WHITE	RED		
R7-5 (TWO HOUR PARKING)							2	WHITE	RED		
R8-3a							8	WHITE	RED		
D4-1							1	WHITE	GREEN		
FINLEY FUNERAL HOME							1	WHITE	BLACK		
PAT'S WALLPAPER							1	WHITE	BLACK		
BEANGROUP REAL ESTATE							1	WHITE	BLUE		

*SIGN ASSEMBLY POST AND FOUNDATION SIZING SHALL UTILIZE POST SIZING TABLE FROM STANDARD DETAIL 645(06). POST SHALL BE INSTALLED WITH A BREAKAWAY DEVICE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN 22643.00
HIGHWAY PLANS

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

E. MARTIN
T. HIGGINS
T. HIGGINS
L. SWINSON

BY
M. GROTE
L. SWINSON

DATE
3/24/26
3/24/26

SIGNATURE
P.E. NUMBER
DATE

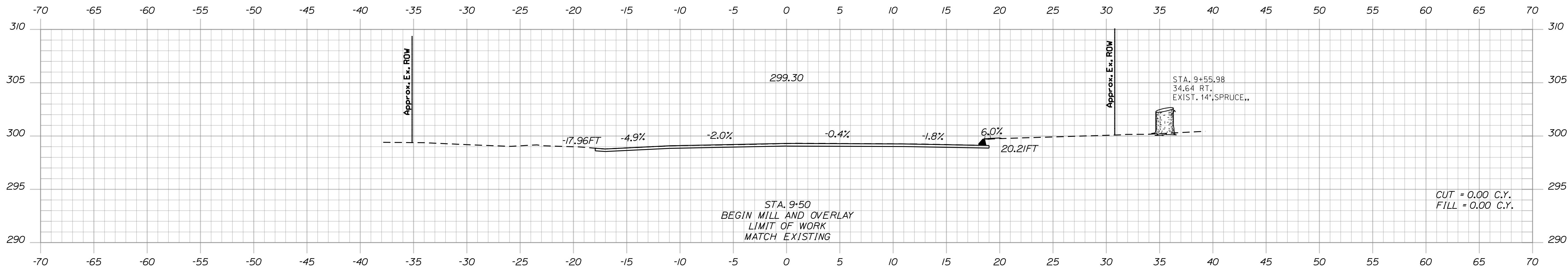
LIVERMORE FALLS
ROUTE 17
SIGN SUMMARY

SHEET NUMBER
48
OF 135

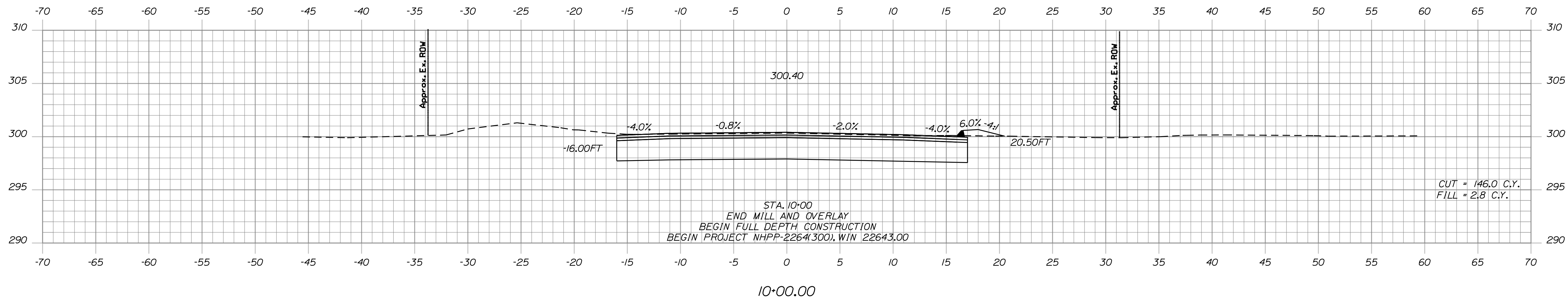
PROPOSED SIGN SUMMARY

[illegible][illegible]

*SIGN ASSEMBLY POST AND FOUNDATION SIZING SHALL UTILIZE POST SIZING TABLE FROM STANDARD DETAIL 645(06). POST SHALL BE INSTALLED WITH A BREAKAWAY DEVICE.



SHEET NUMBER
50
OF 135



SHEET NUMBER

51

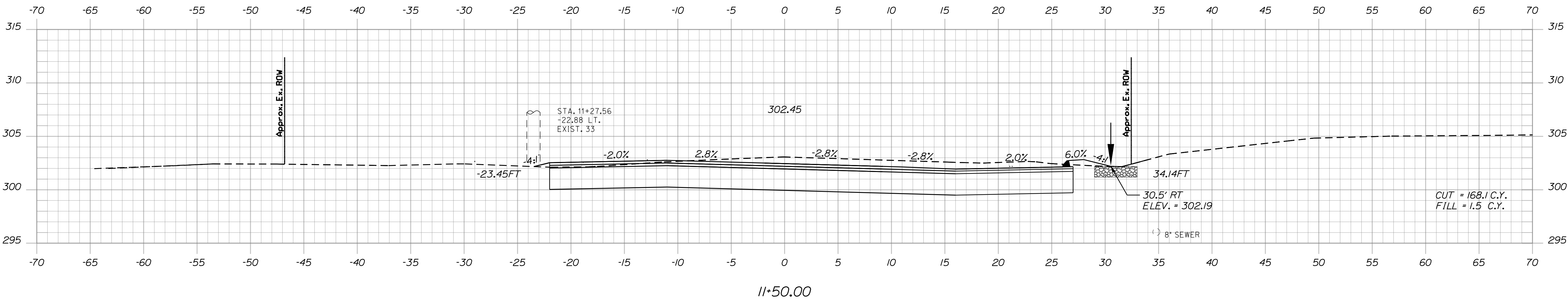
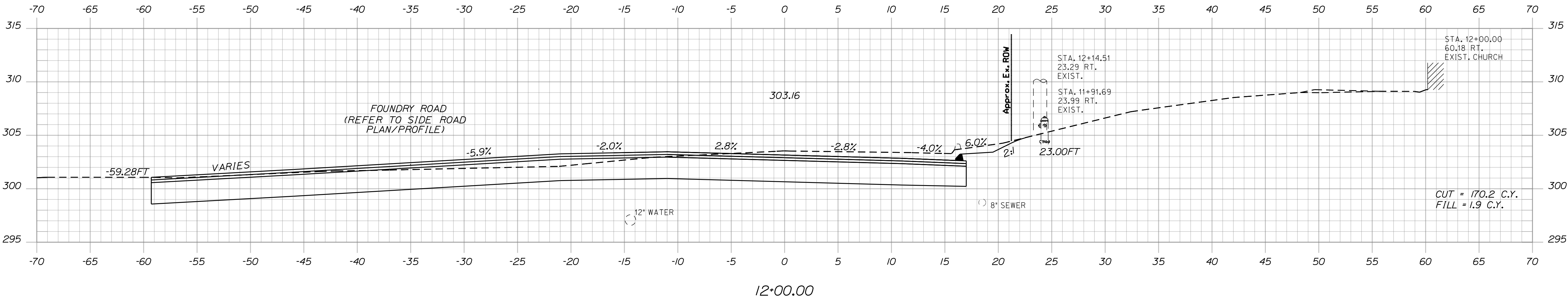
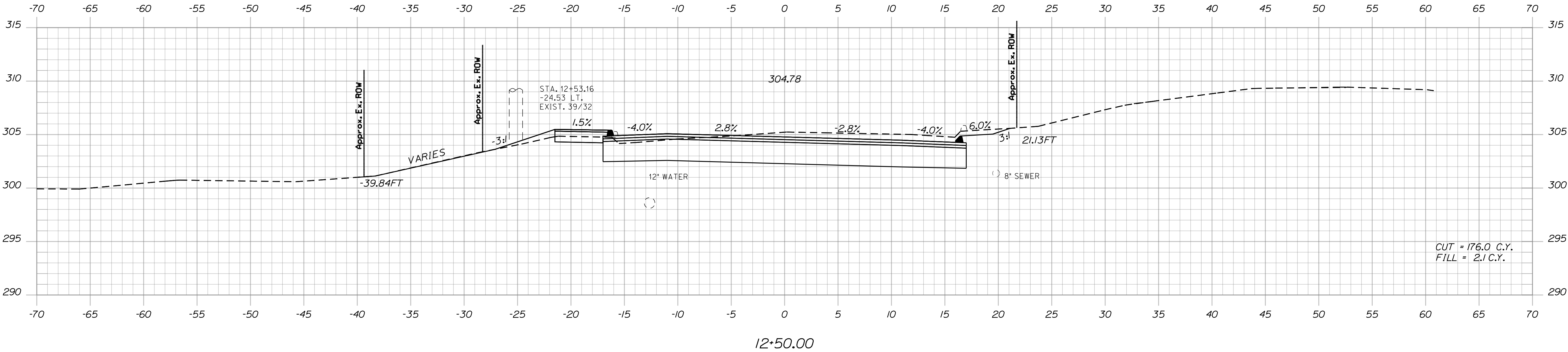
OF 135

Date:6/30/2026

Username:

Division:

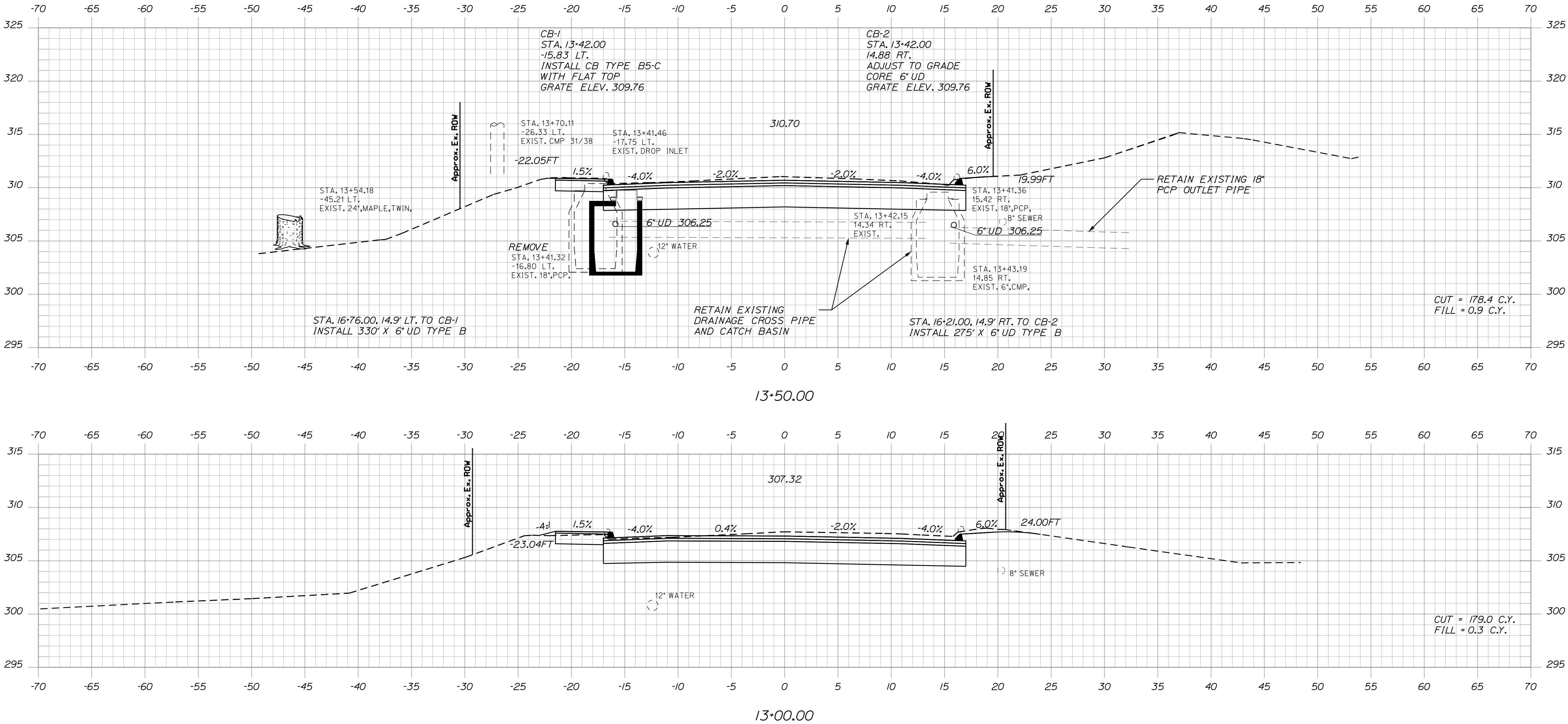
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DESIGNED-Detailed	DATE	SIGNATURE
CHECKED-Reviewed	DATE	P.E. NUMBER
DESIGNED-Detailed	DATE	DATE
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

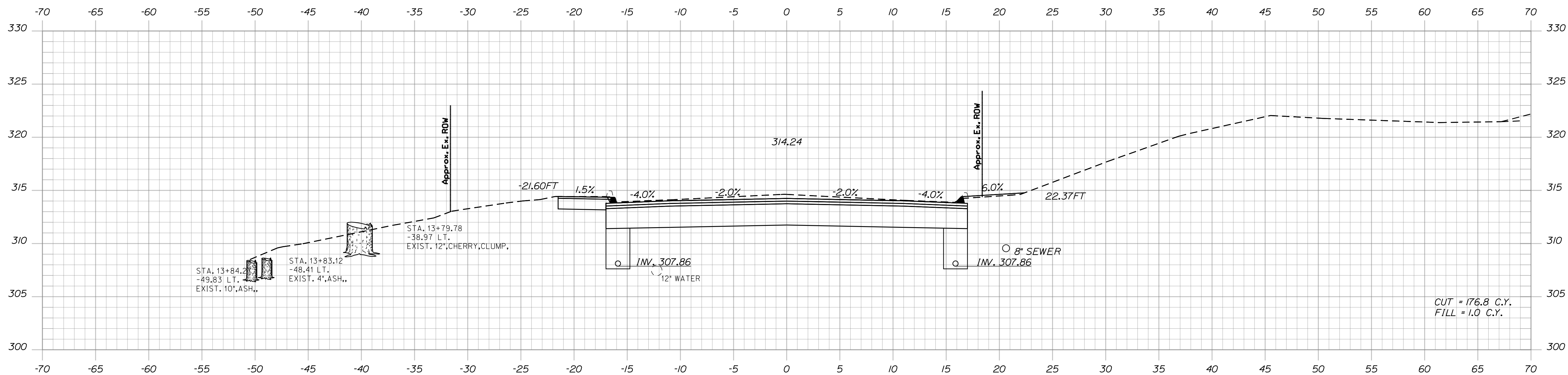
PROJ. MANAGER	BY	DATE
E. MARTIN	M. GROTE	3/24/26
DESIGNED-Detailed	L. SWINSON	3/24/26
CHECKED-Reviewed		
DESIGNED-Detailed		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS



PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
E. MARTIN	T. HIGGINS	M. GROTE	L. SINTESCU						
BY	DATE	DATE	DATE	SIGNATURE	P.E. NUMBER	DATE			
	3/24/26	3/24/26							

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS



14*00.00

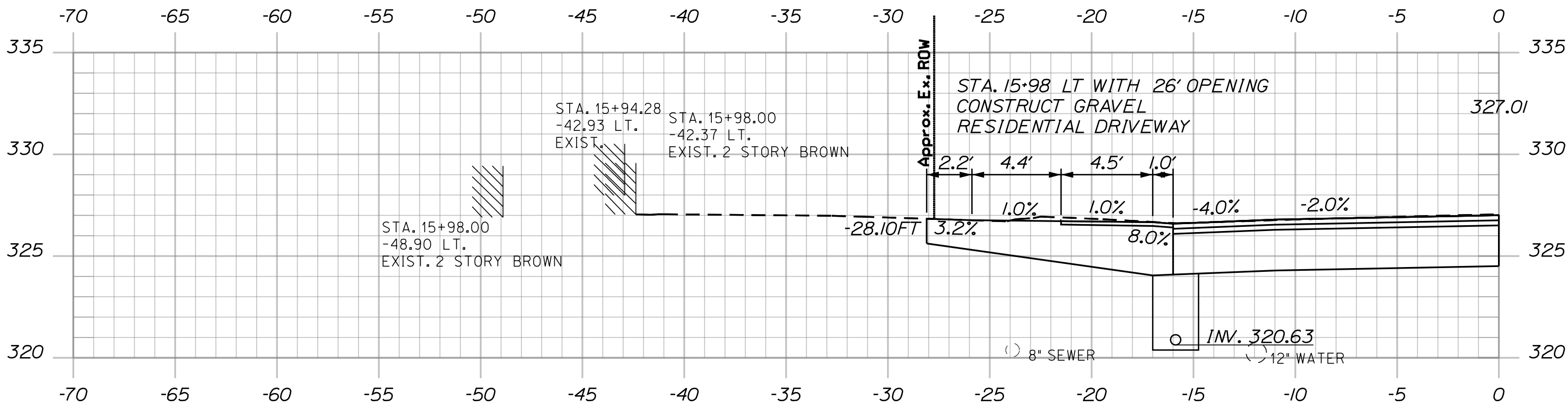
54 OF 135	SHEET NUMBER	LIVERMORE FALLS ROUTE 17 CROSS SECTIONS	PROJ. MANAGER	E. MARTIN	BY	DATE
			DESIGNED-DETAILED	T. HIGGINS	M. GROTE	3/24/26
			CHECKED-REVIEWED	T. HIGGINS	L. SPINELLI	3/24/26
			DESIGNS DETAIL ED			SIGNATURE
			DESIGNS DETAIL ED			P.E. NUMBER
			REVISIONS 1			
			REVISIONS 2			
			REVISIONS 3			
			REVISIONS 4			DATE
			FIELD CHANGES			
			STATE OF MAINE DEPARTMENT OF TRANSPORTATION (NHPP-2264(300)) WIN 22643.00 HIGHWAY PLANS			

Date:6/30/2026

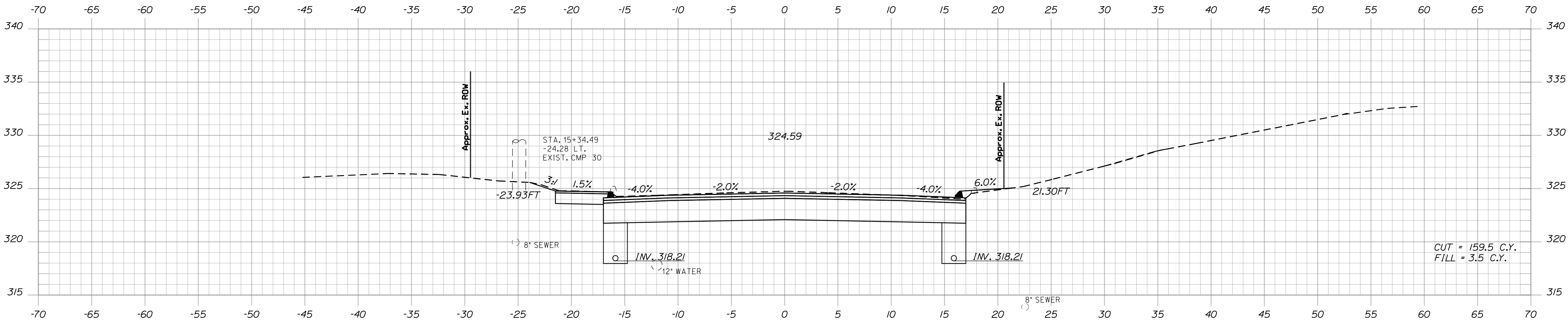
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Division:

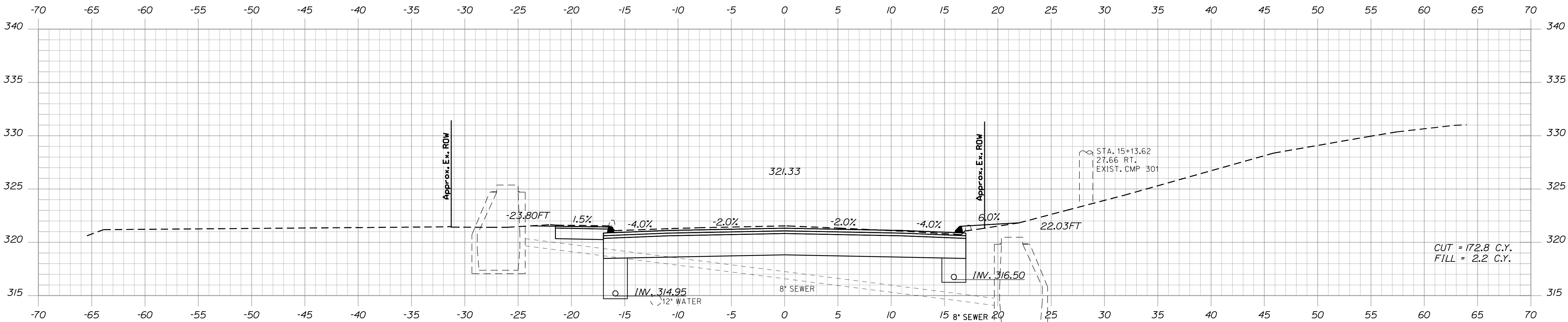
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15+98.00



15+50.00



15+00.00

PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED	E. MARTIN T. HIGGINS T. HIGGINS L. SEINTESCU	3/24/26 3/24/26	
REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES			P.E. NUMBER DATE

LIVERMORE FALLS
ROUTE 17

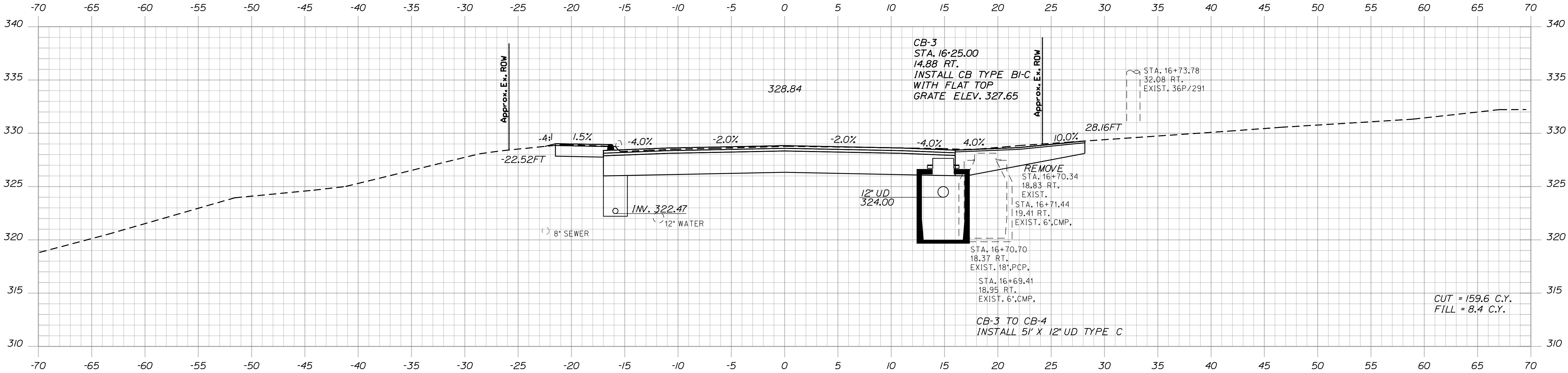
CROSS SECTIONS

Date:6/30/2026

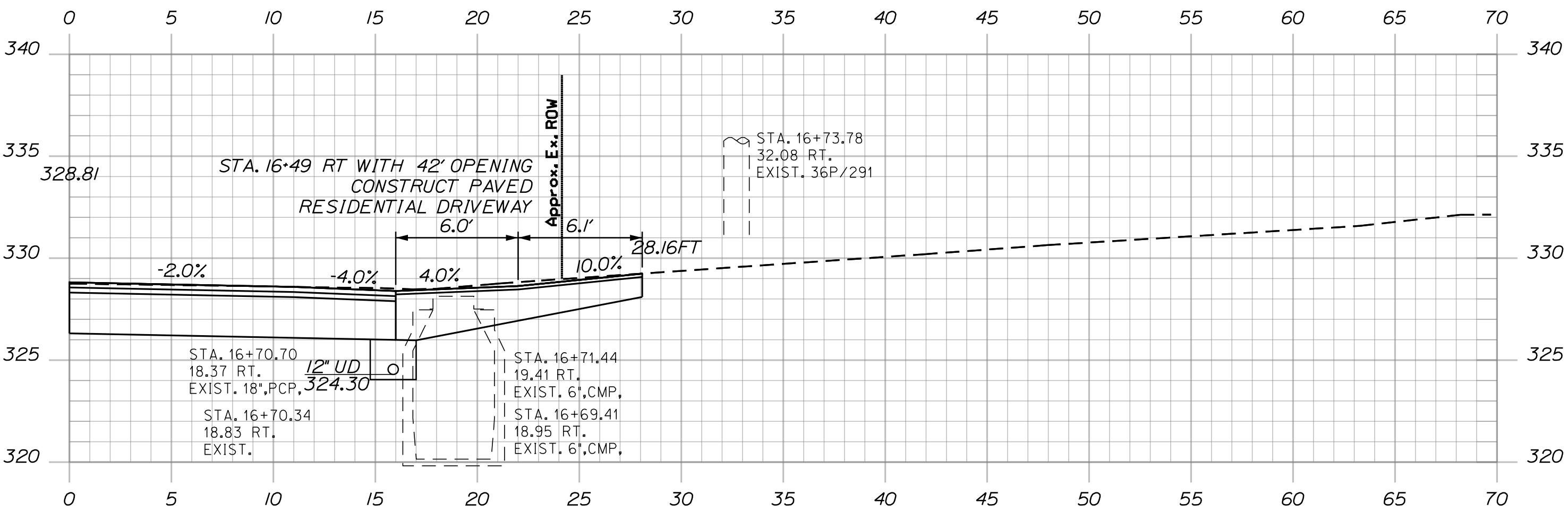
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Division:

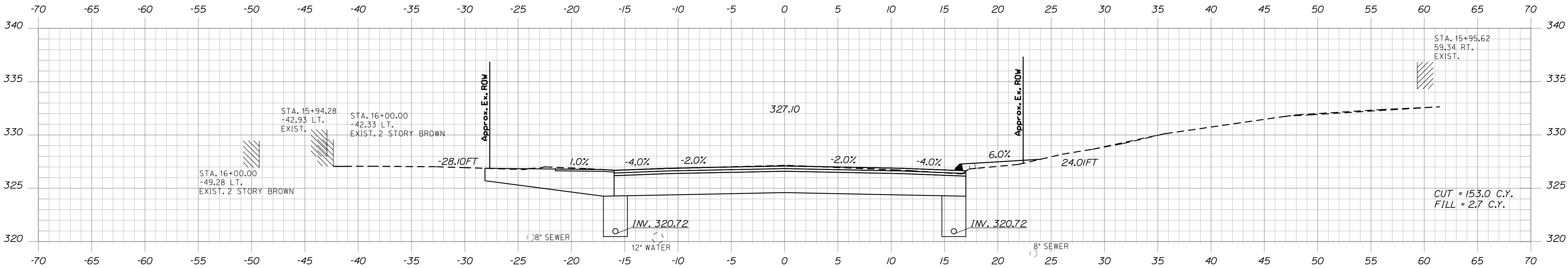
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16+50.00



16+49.00



16+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
E. MARTIN
DESIGN-DETAILED
T. HIGGINS
CHECKED-REVIEWED
T. HIGGINS
DESIGN-DETAILED
L. SWINSON
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

BY
M. GROTE
L. SWINSON

DATE
3/24/26
3/24/26

SIGNATURE
P.E. NUMBER
DATE

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

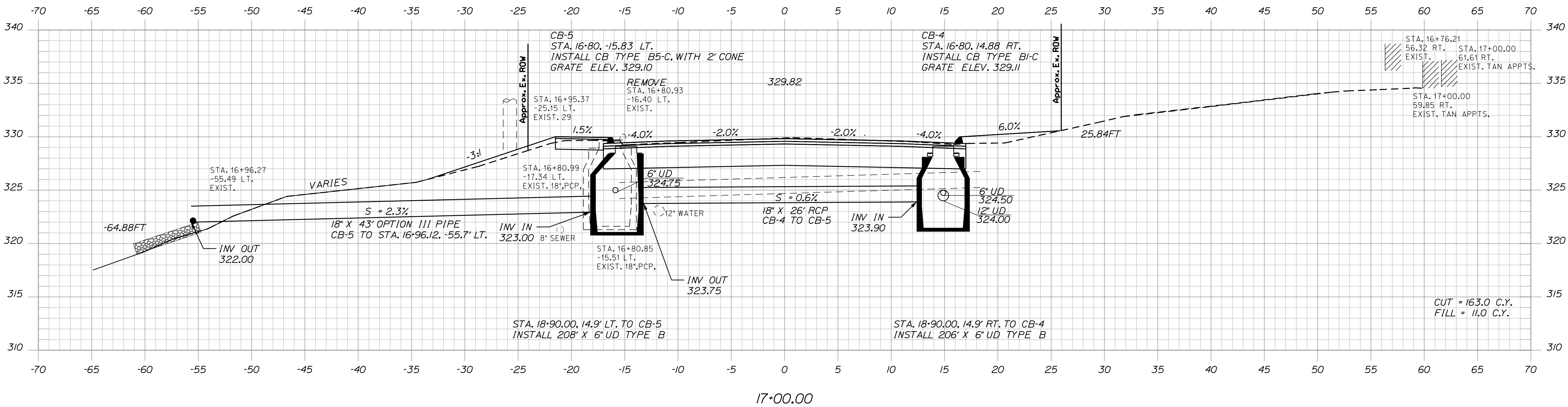
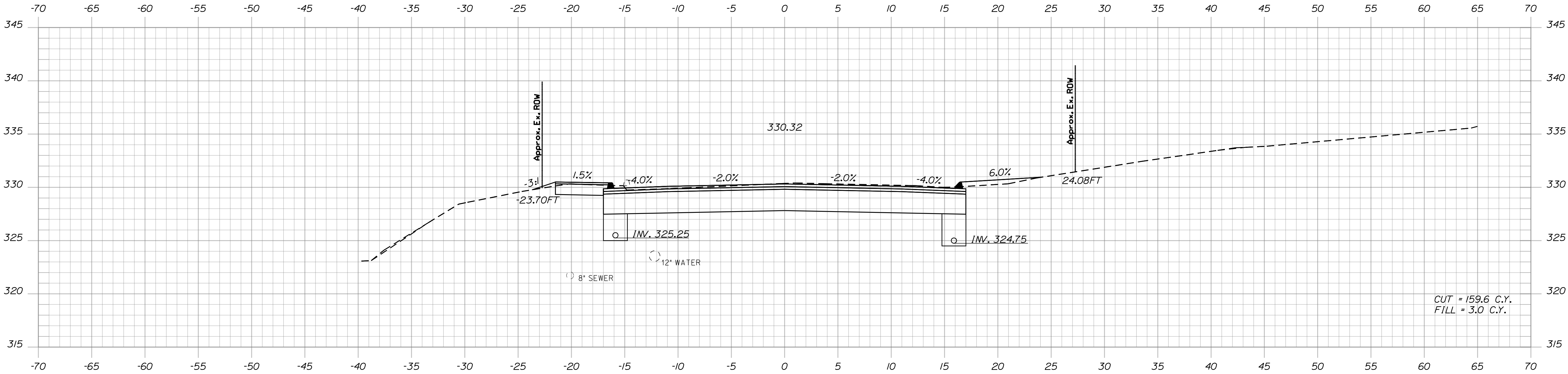
SHEET NUMBER
56
OF 135

Sta. 16+00.00 to Sta. 16+50.00

Username: Date:6/30/2026

Division:

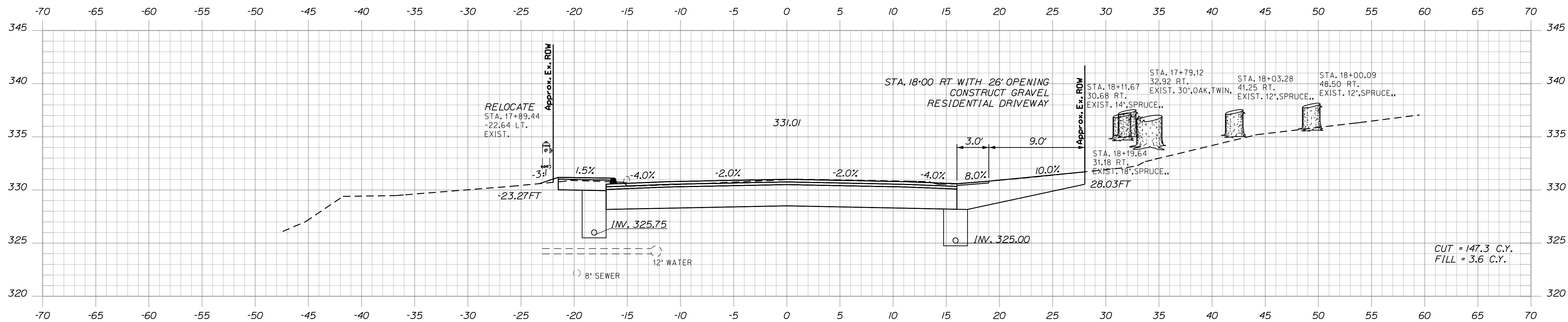
Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	M. GROTE	3/24/26	
CHECKED-REVIEWED	L. HIGGINS	3/24/26	
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



18+00.00

CUT = 147.3 C.Y.
FILL = 3.6 C.Y.

SHEET NUMBER

58

OF 135

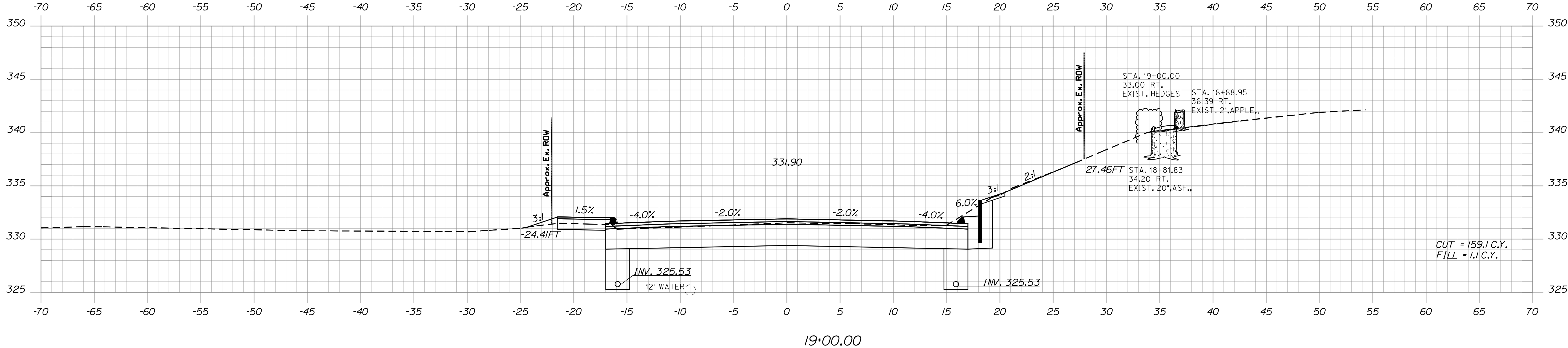
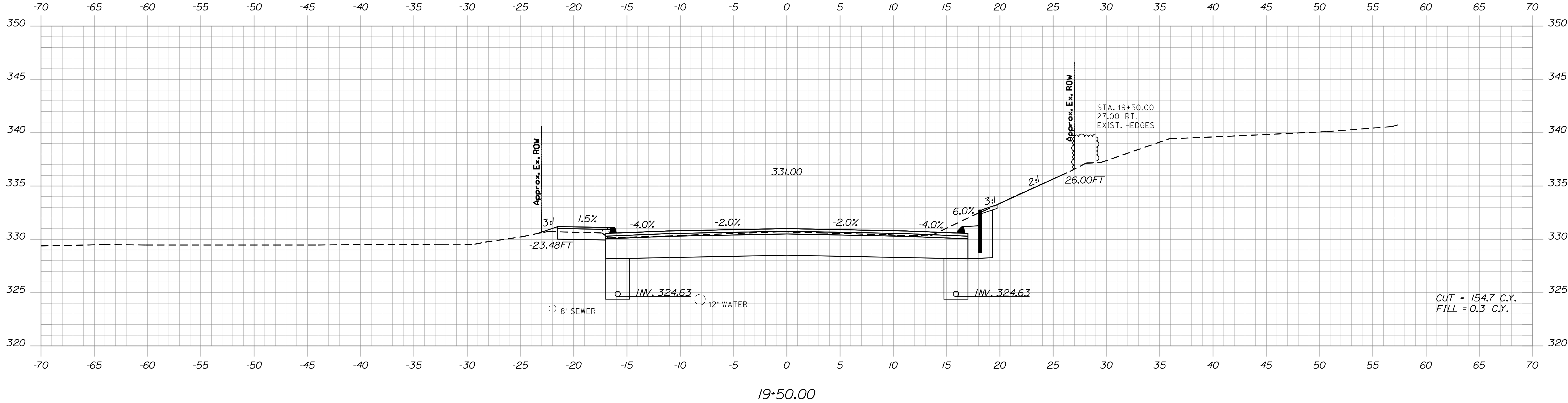
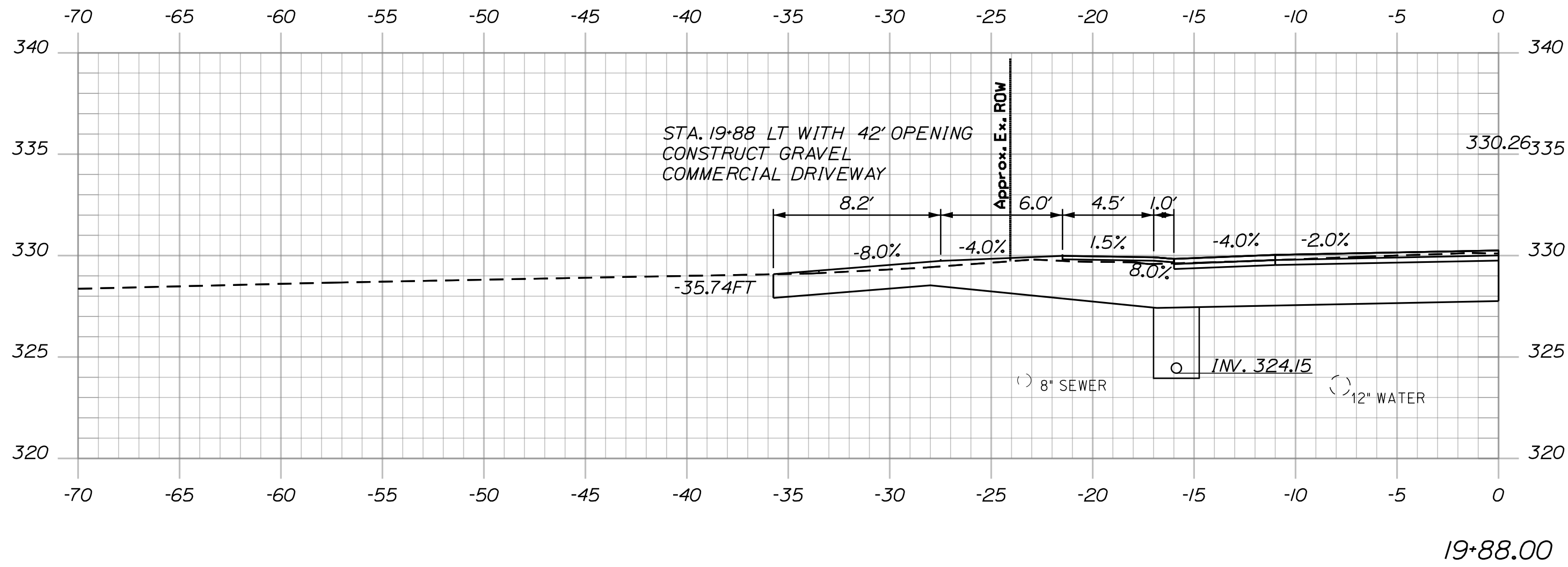
Sta. 18+00.00 to Sta. 18+50.00

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTA050_Xsect.dgn

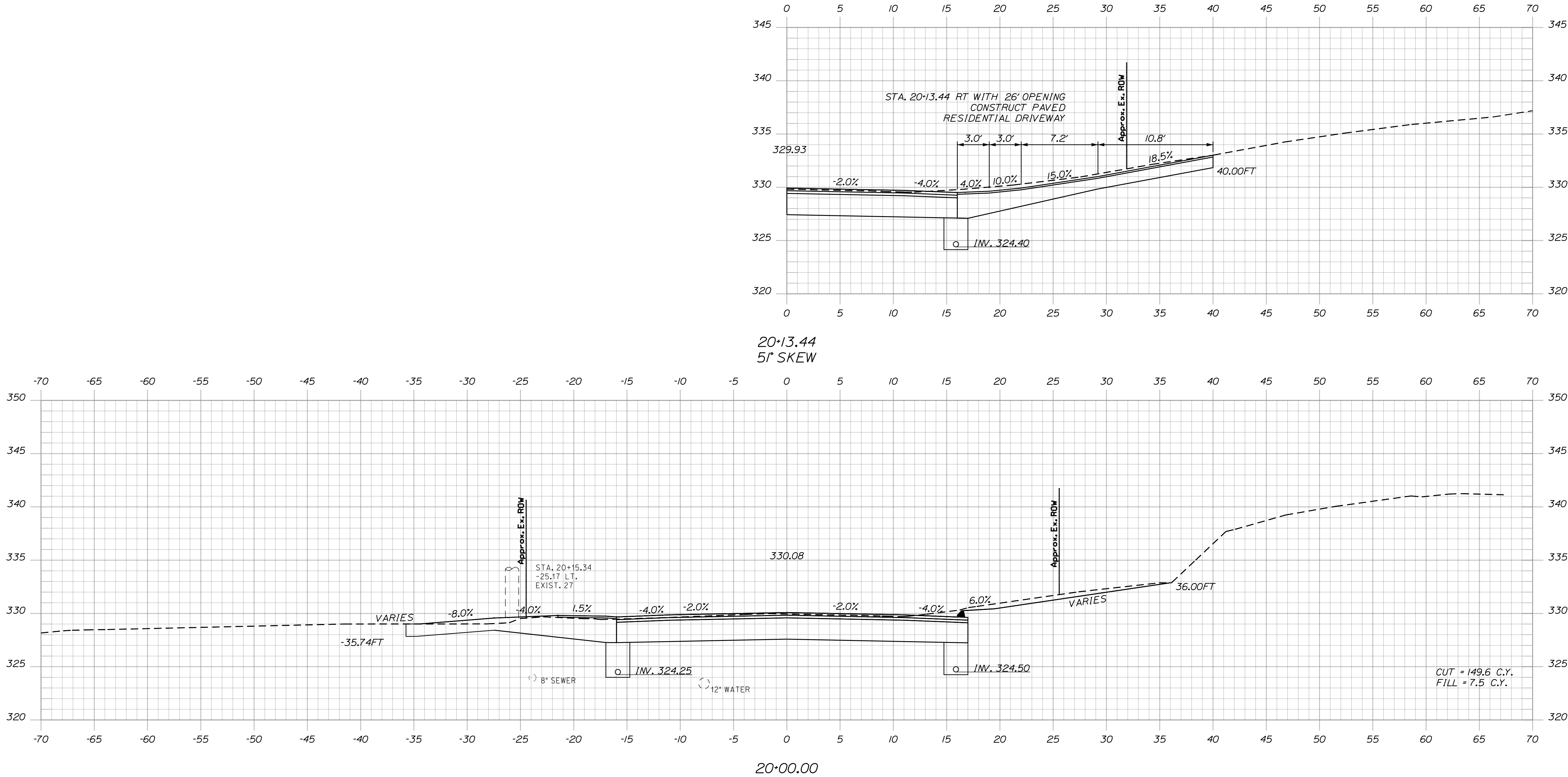


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	DATE	3/24/26	SIGNATURE	
CHECKED/REVIEWED	L. HICKEY	DATE	3/24/26	P.E. NUMBER	
DESIGN DETAIL	L. HICKEY	DATE	3/24/26	DATE	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
59
OF 135

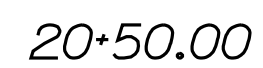
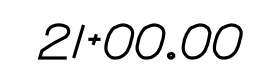


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

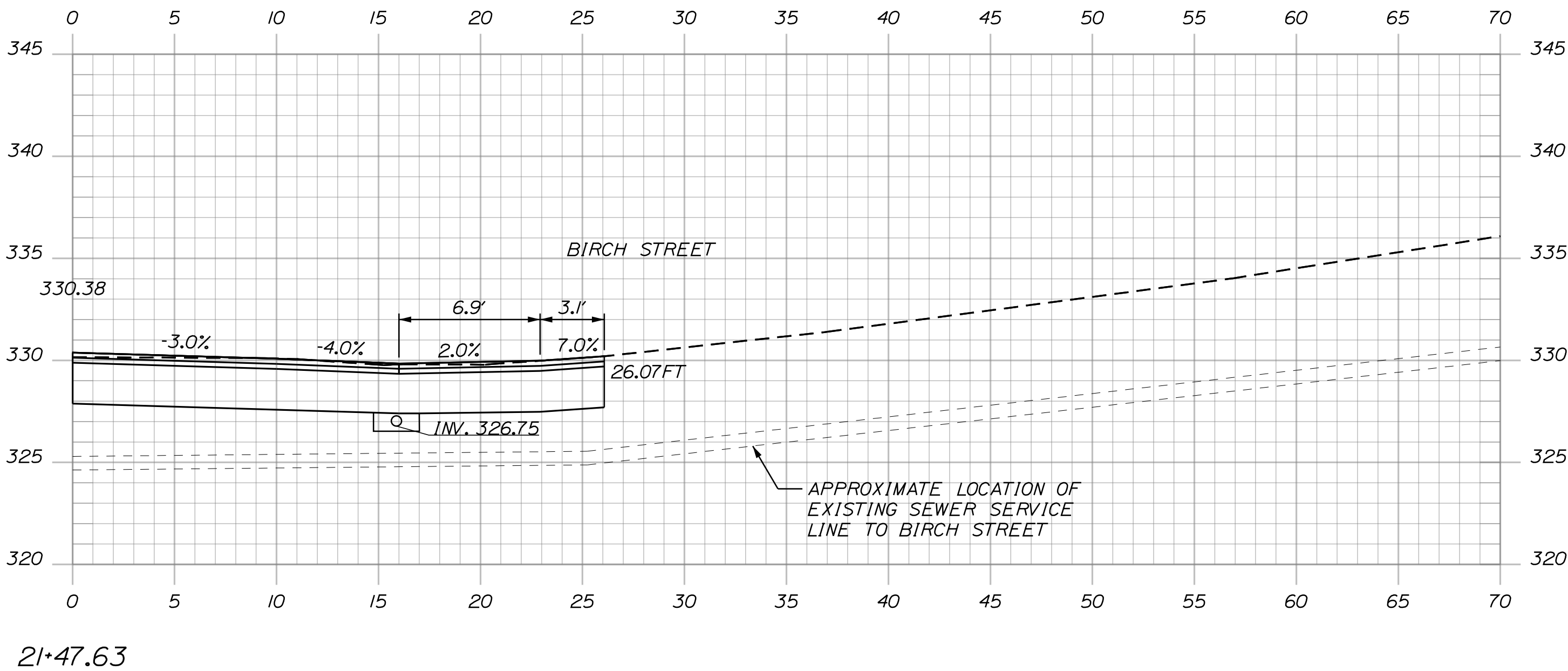
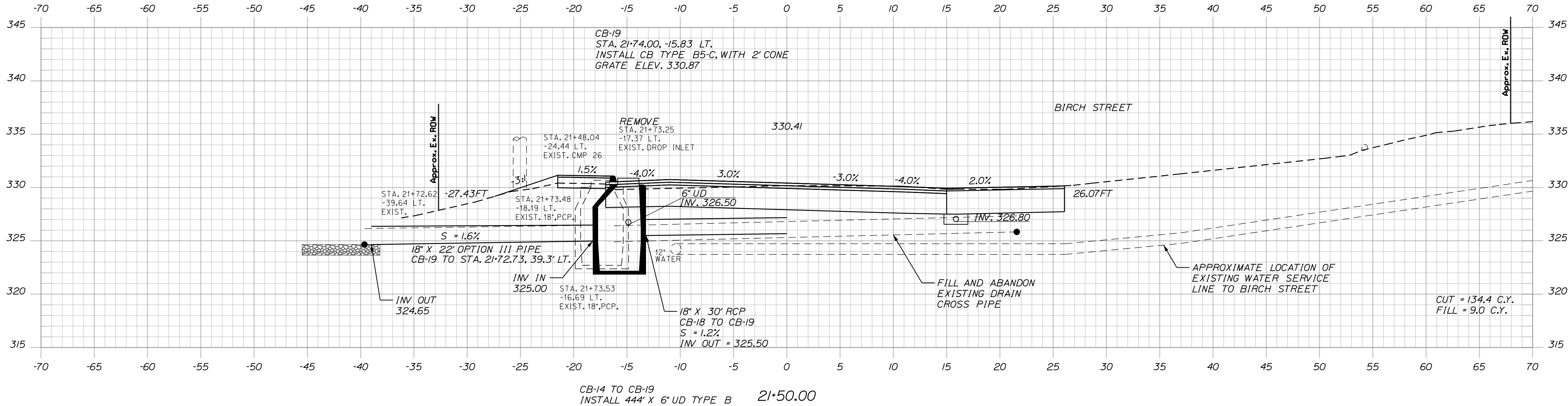
PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HIGGINS	DATE	3/24/26
CHECKED/REVIEWED	L. HIGGINS	DATE	3/24/26
DESIGN DETAIL		DATE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	

LIVERMORE FALLS ROUTE 17
CROSS SECTIONS

SHEET NUMBER
60
OF 135



Sta. 20+50.00 to Sta. 21+00.00

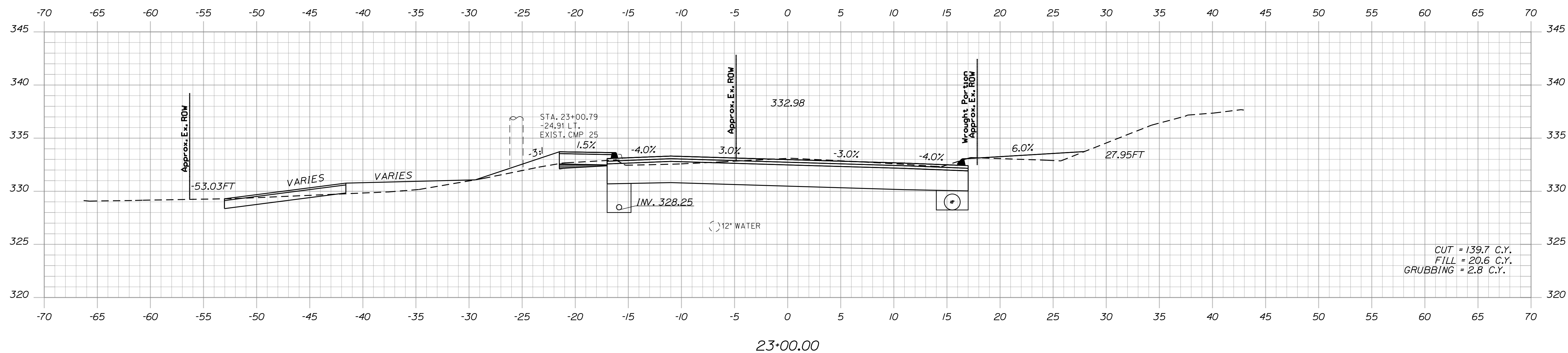
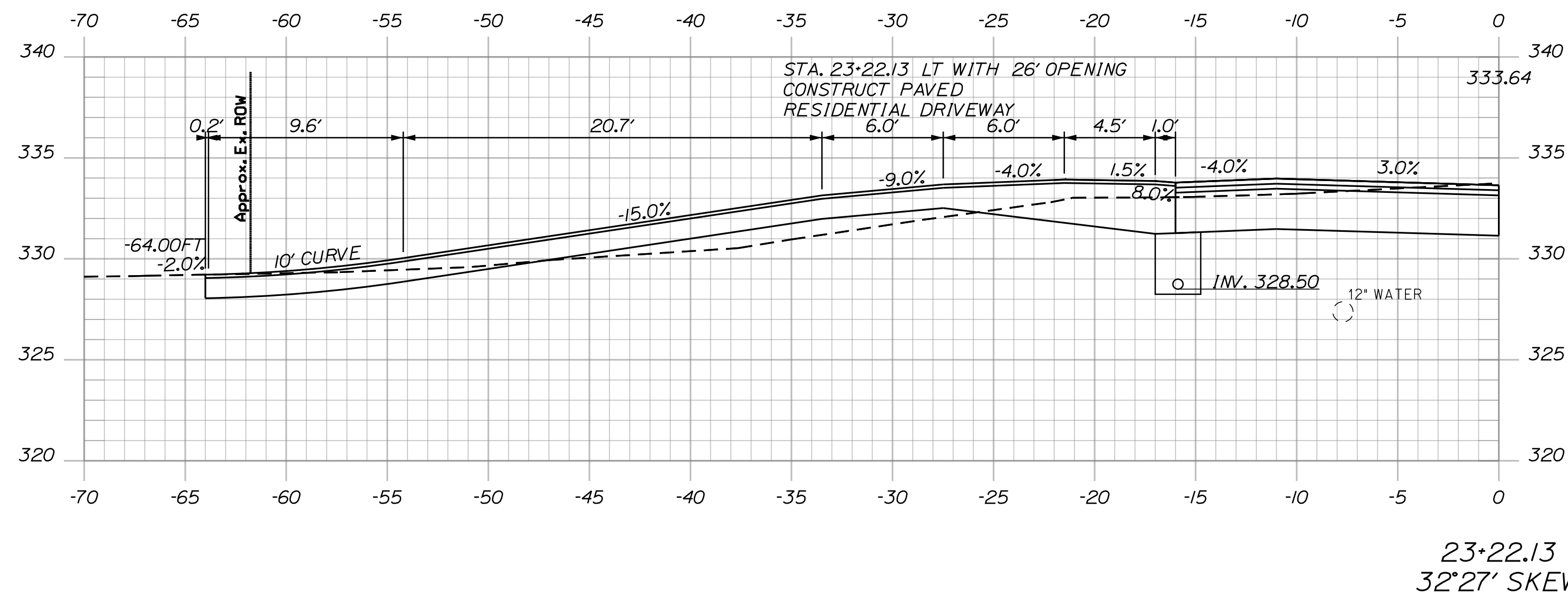
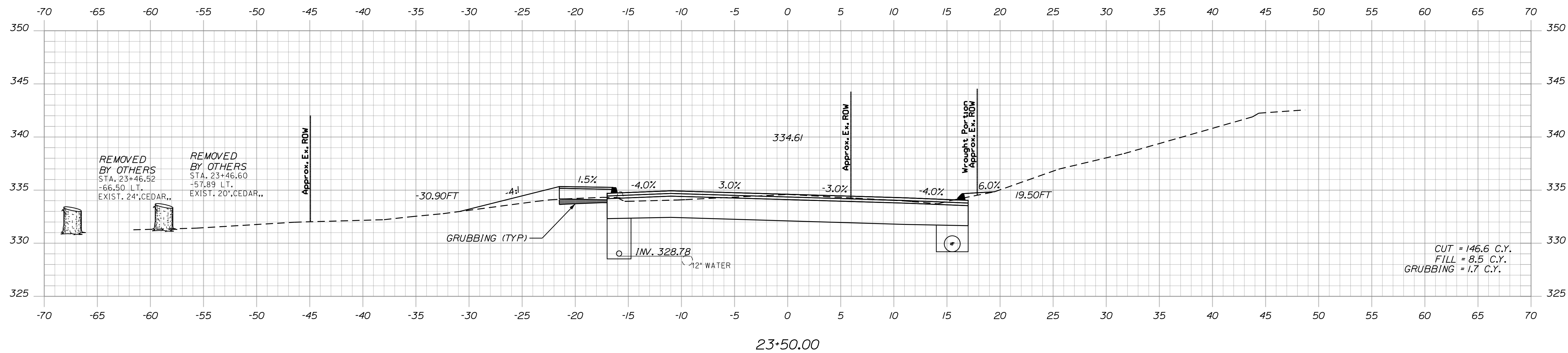


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	MGROTE	L. HICKEY	SIGNATURE	
CHECKED/REVIEWED	L. HICKEY			P.E. NUMBER	
DESIGN DETAIL				DATE	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
62
OF 135



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
(NHPP-2264(300))	
WIN	22643.00
HIGHWAY PLANS	

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	T. HIGGSON	M.GROTE	3/24/26
CHECKED-REVIEWED	T. HIGGSON	L.S.FINETECOL	3/24/26
DESIGNS-DETAILED	DESIGNS-DETAILED01		
DESIGNS-DETAILED	DESIGNS-DETAILED03		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
DATE			
P.E. NUMBER			
SIGNATURE			

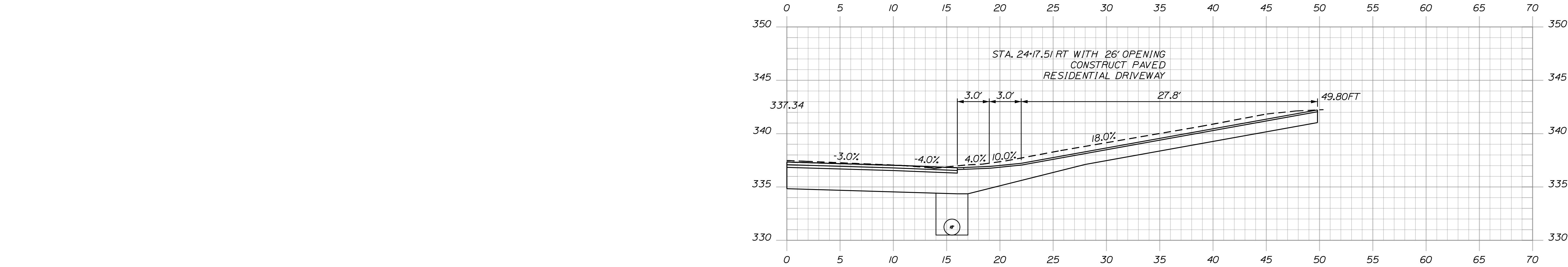
LIVERMORE FALLS
 ROUTE 17
 CROSS SECTIONS

SHEET NUMBER

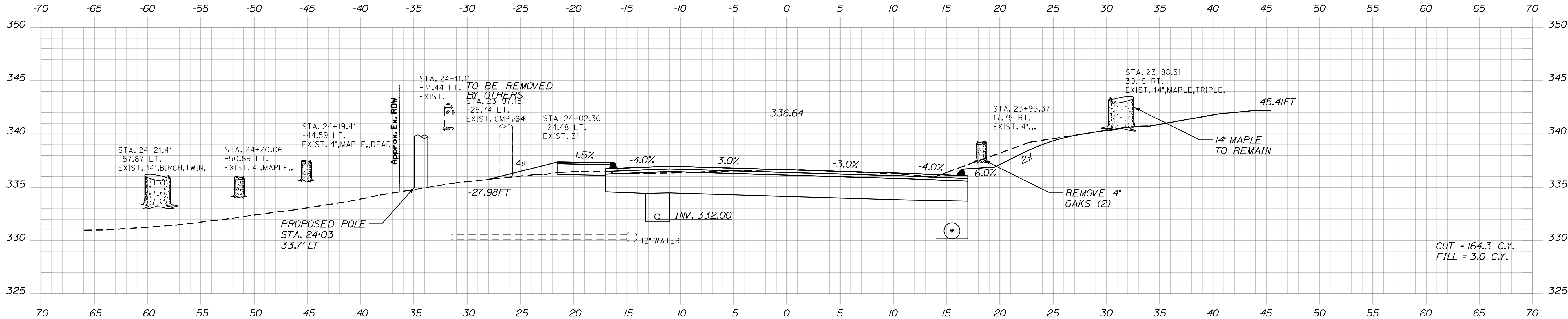
64

OF 135

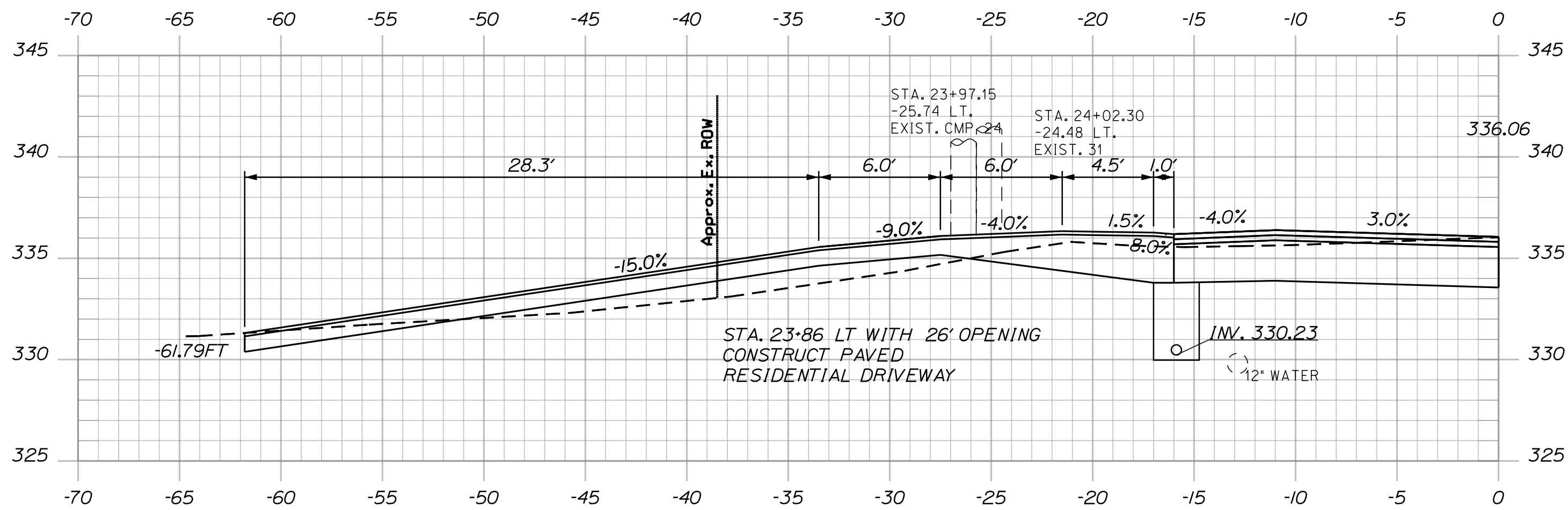
Sta. 23+00.00 to Sta. 23+50.00



24+17.51
32'27" SKEW



24+00.00



23+86.00

PROJ. MANAGER	E. MARTIN	BY	DATE	SIGNATURE
DESIGN-DETAILED	L. HICKEYSON	M. GROTE	3/24/26	
CHECKED-REVIEWED	L. HICKEYSON	L. SPINELLI	3/24/26	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

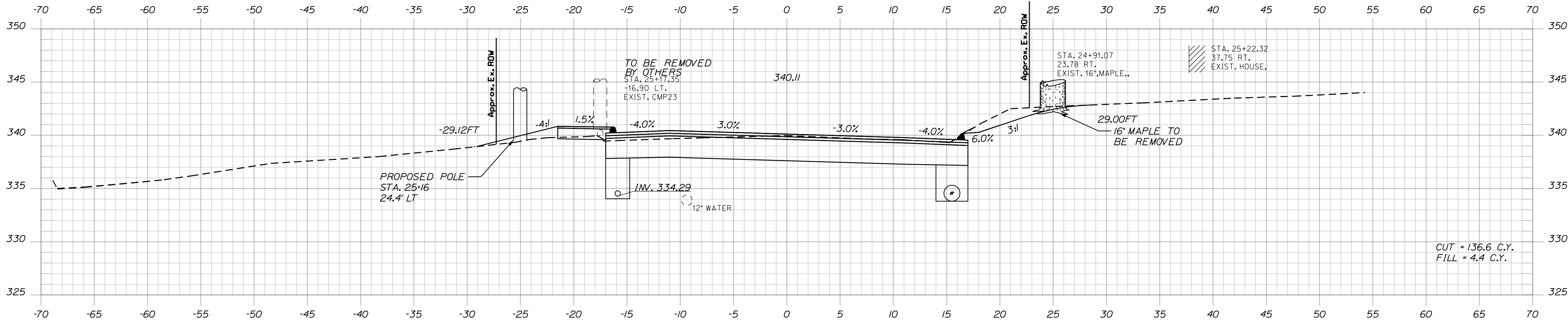
LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Date:6/30/2026

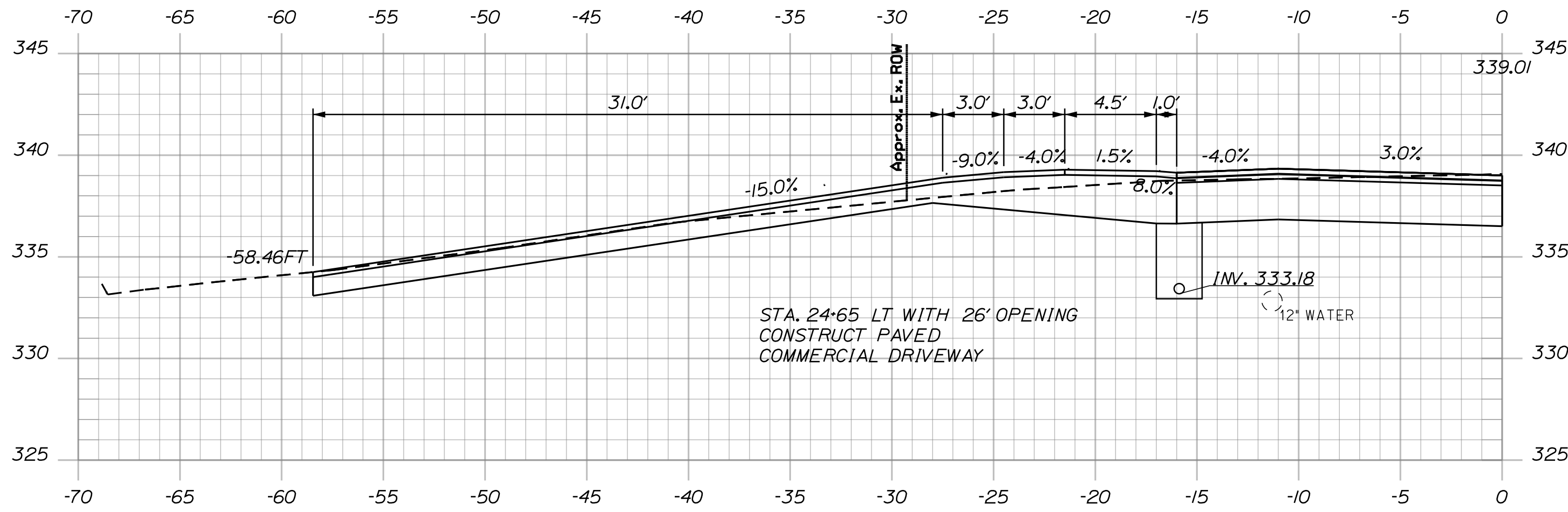
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Division:

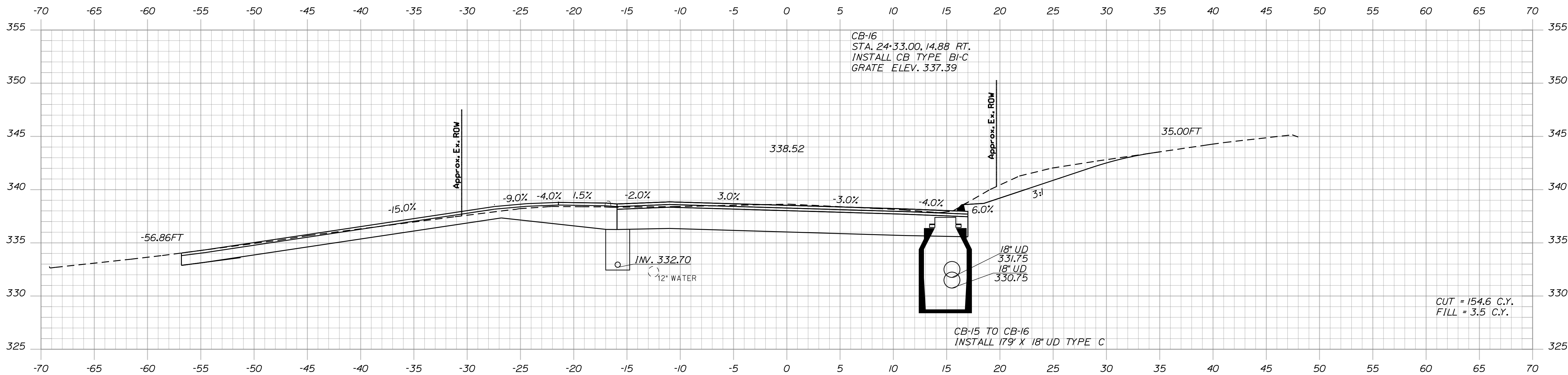
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25+00.00



24+65.00



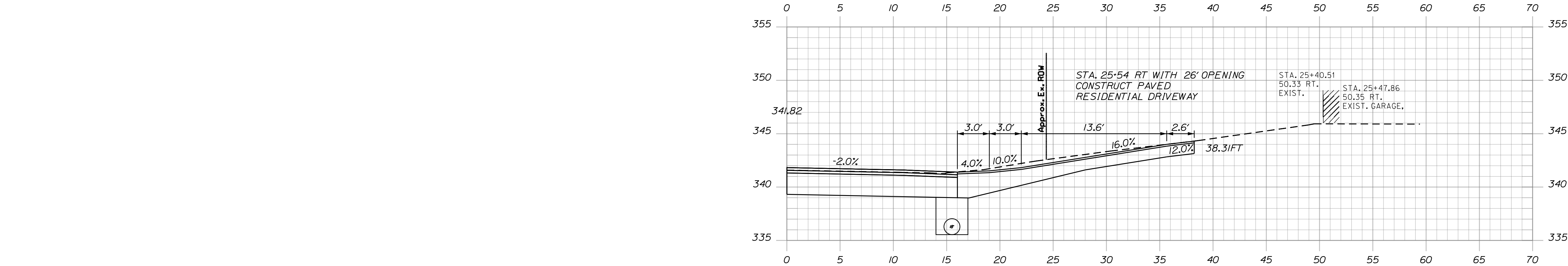
24+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

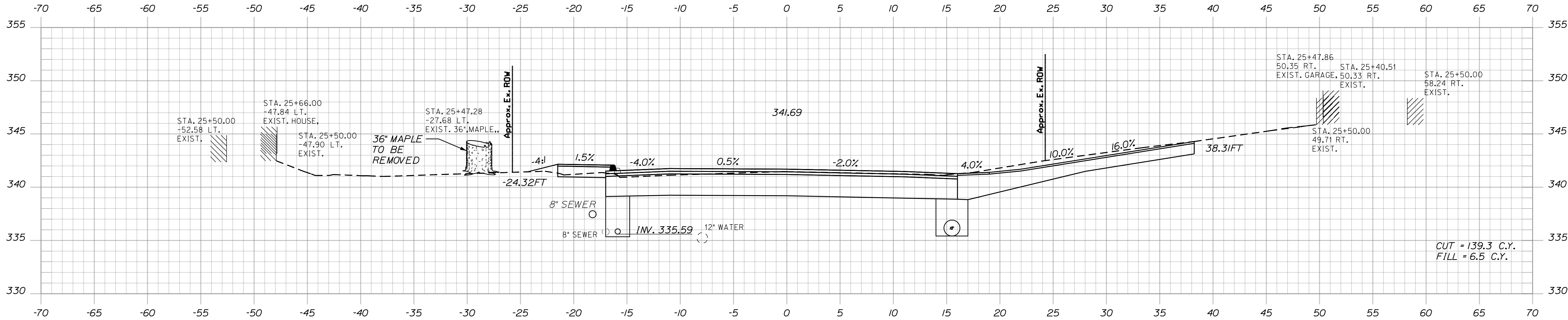
PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HIGGINS	DATE	3/24/26
CHECKED/REVIEWED	L. HIGGINS	DATE	3/24/26
DESIGN DETAIL		DATE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

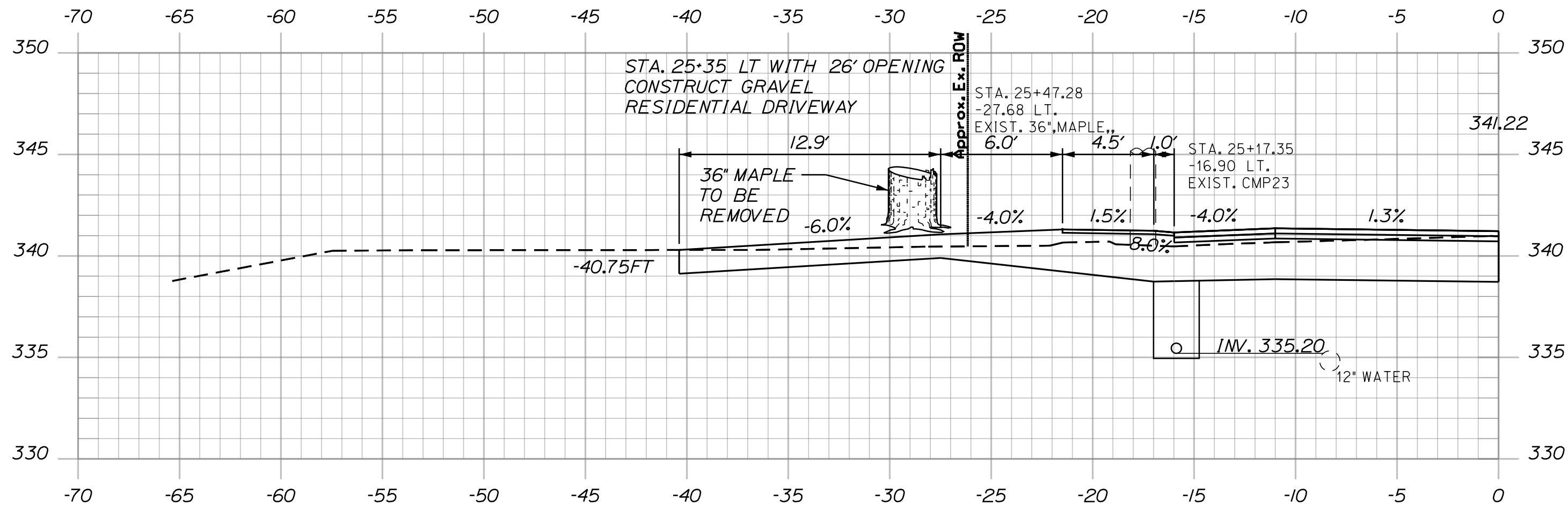
SHEET NUMBER
66
OF 135



25+54.00



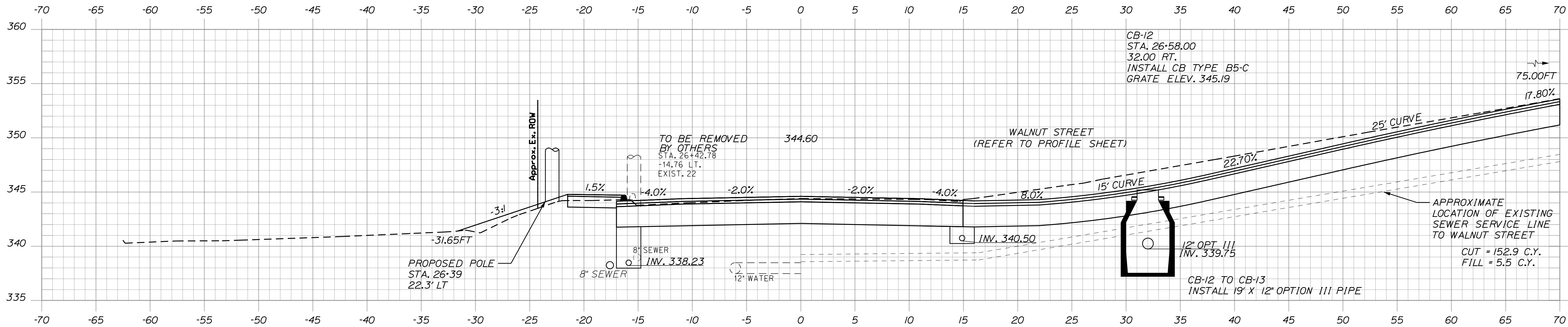
25+50.00



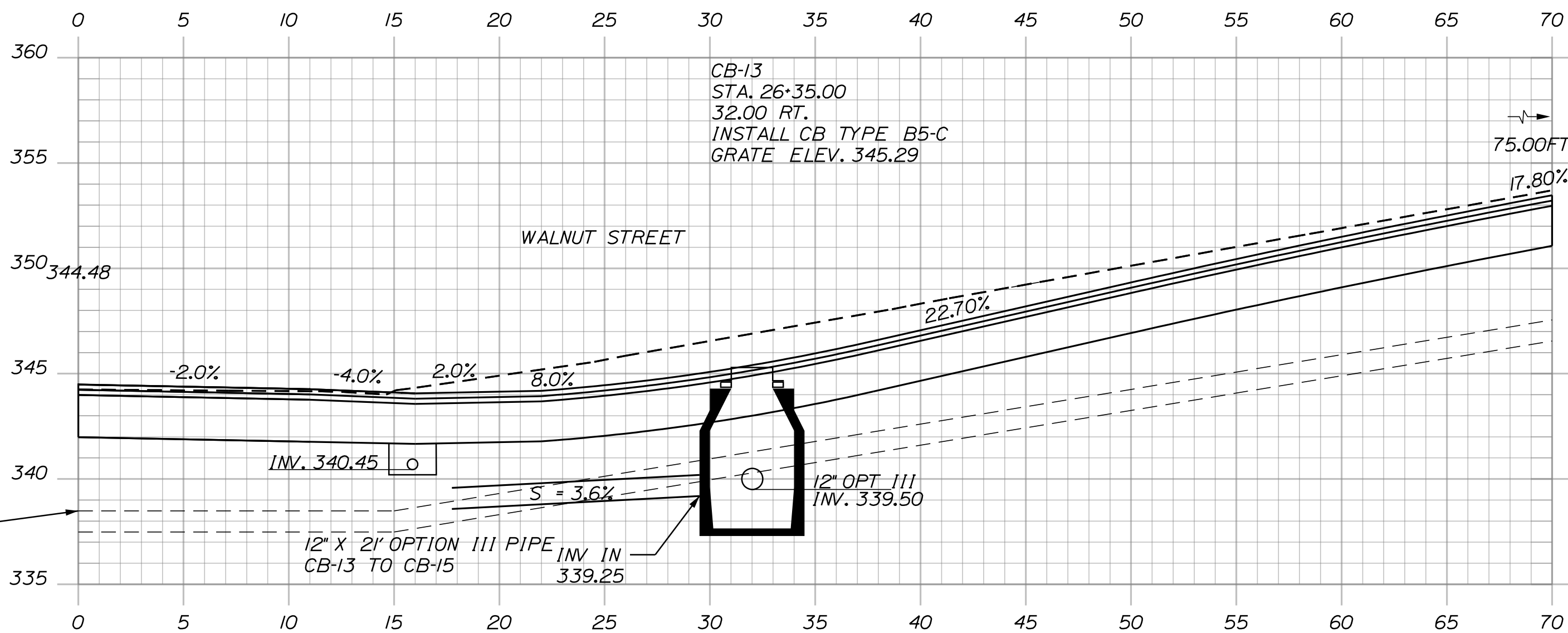
25+35.00

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DET. TAILED	L. HIGGINS	M. GROTE	3/24/26
CHECKED-REVIEWED	L. HIGGINS	L. SPINELLI	3/24/26
SIGNATURE			
DESIGN-Detailed2			
DESIGNS-Detailed3			
REVISIONS 1			P.E. NUMBER
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			DATE
FIELD CHANGES			

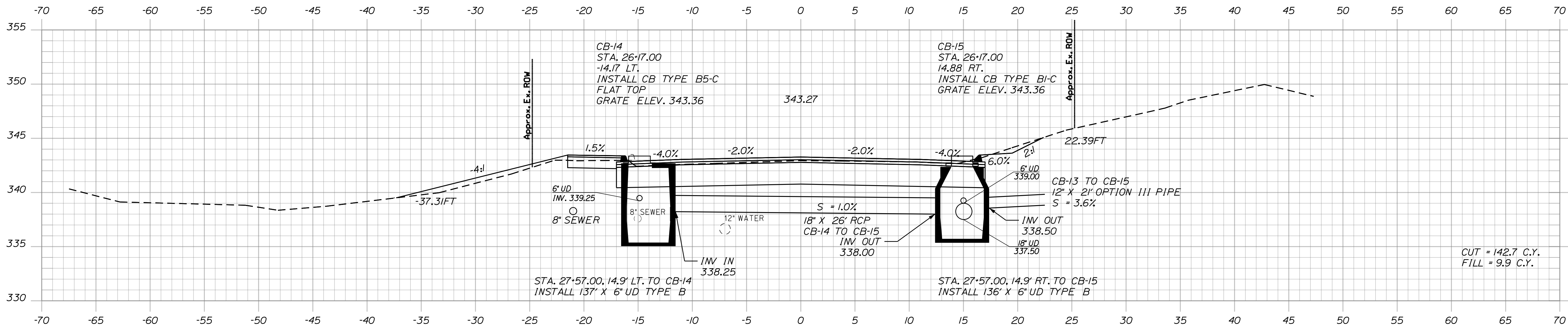
LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS



26+50.00



26+45.00

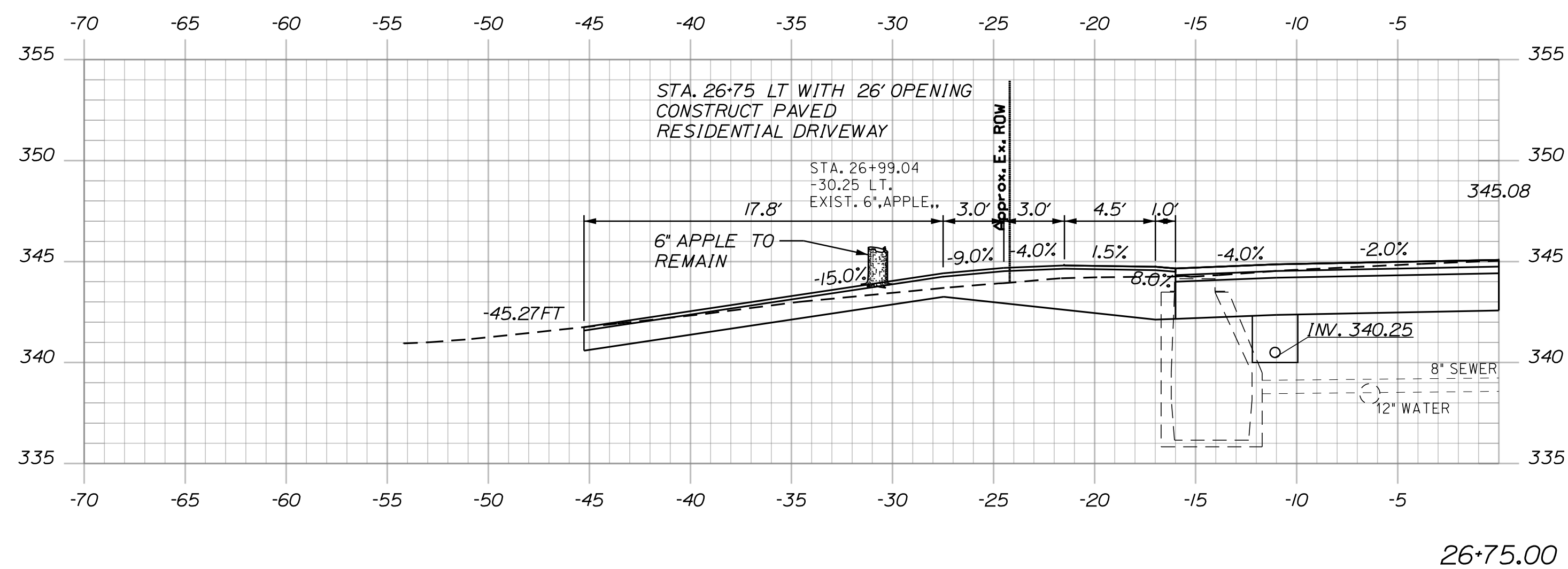


26+00.00

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	L. HIGGINSON	3/24/26	
DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	P.E. NUMBER
REVISIONS 1	REVISIONS 2	REVISIONS 3	DATE
REVISIONS 4	FIELD CHANGES		

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

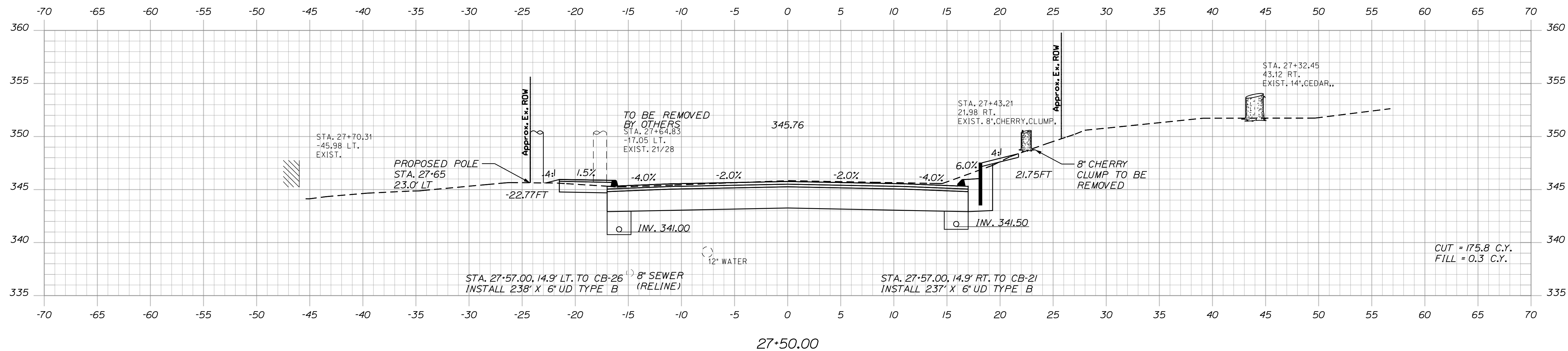


SHEET NUMBER

69

OF 135

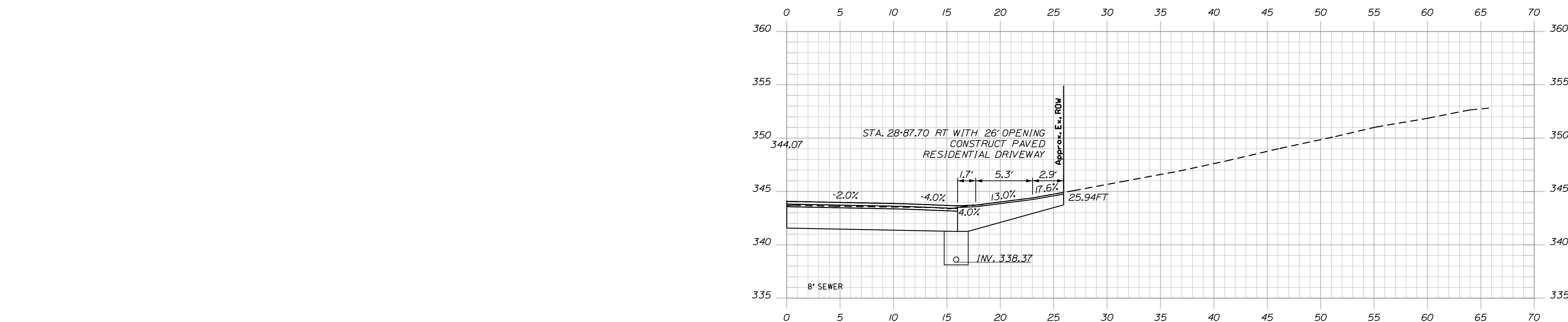
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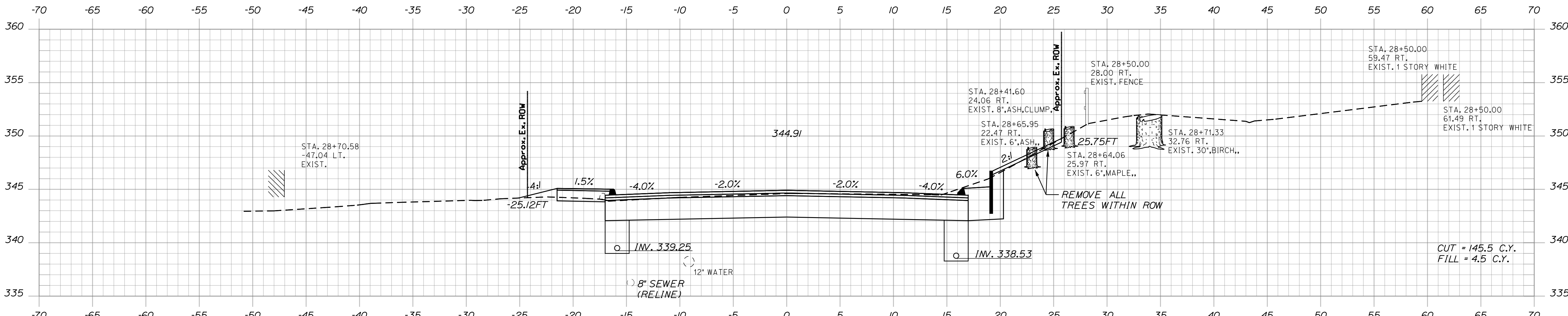
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70

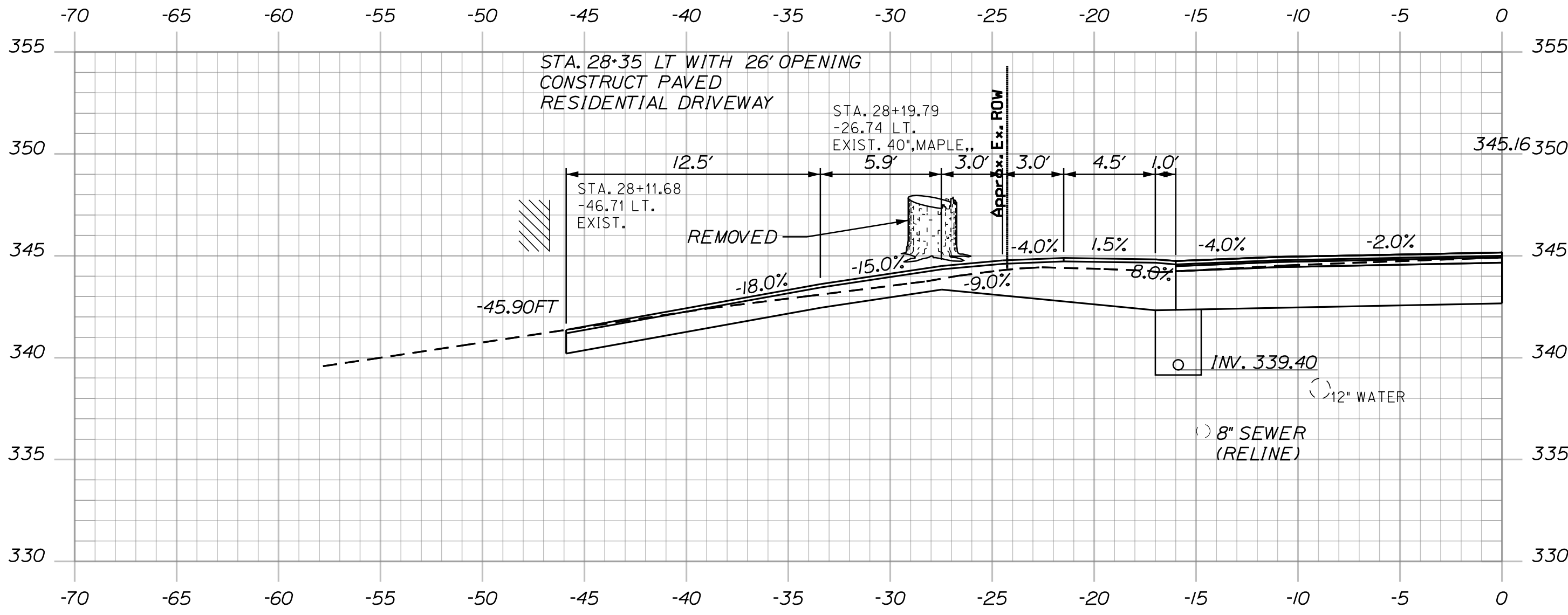
OF 135



28+87.70
11° SKEW

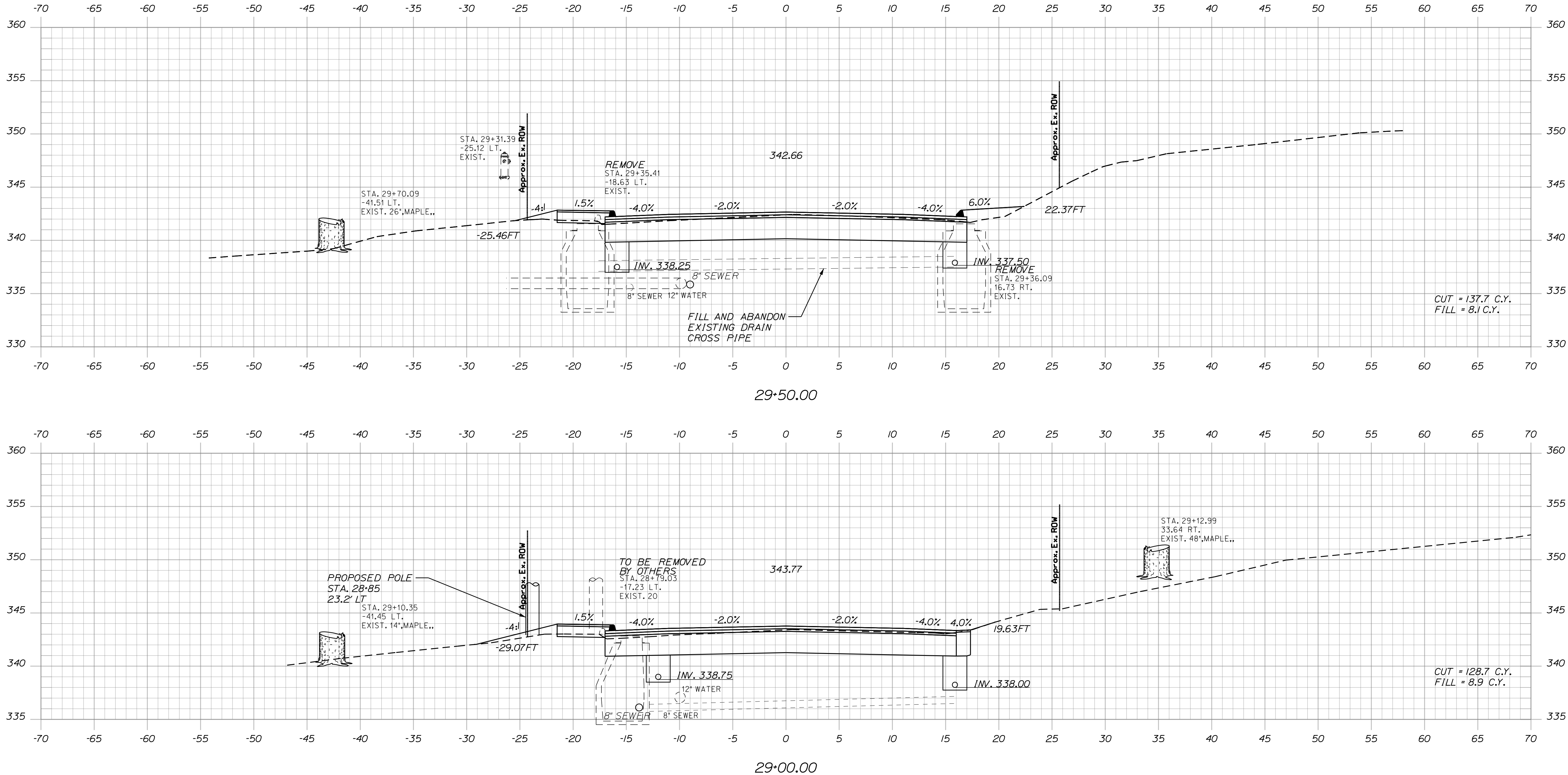


28+50.00



28+35.00

STATE OF MAINE		DATE		BY		PROJ. MANAGER		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED		CHECKED-REVIEWED	
DEPARTMENT OF TRANSPORTATION		3/24/26		E. MARTIN		T. HICKEY		T. HICKEY		T. HICKEY		T. HICKEY		T. HICKEY		T. HICKEY		T. HICKEY	
(NHPP-2264(300))		SIGNATURE		P.E. NUMBER		DATE		REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		FIELD CHANGES		FIELD CHANGES	
WIN		22643.00		HIGHWAY PLANS		LIVERMORE FALLS		ROUTE 17		CROSS SECTIONS		SHEET NUMBER		71		OF 135		Sta. 28+35.00 to Sta. 28+87.70	



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	DESIGN	L. HICKEY	SIGNATURE	
CHECKED/REVISED	L. HICKEY	CHECKED	L. HICKEY	P.E. NUMBER	
DESIGN DETAIL		DESIGN		DATE	
REVISIONS 1		REVISIONS 2			
REVISIONS 3		REVISIONS 4			
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17

CROSS SECTIONS

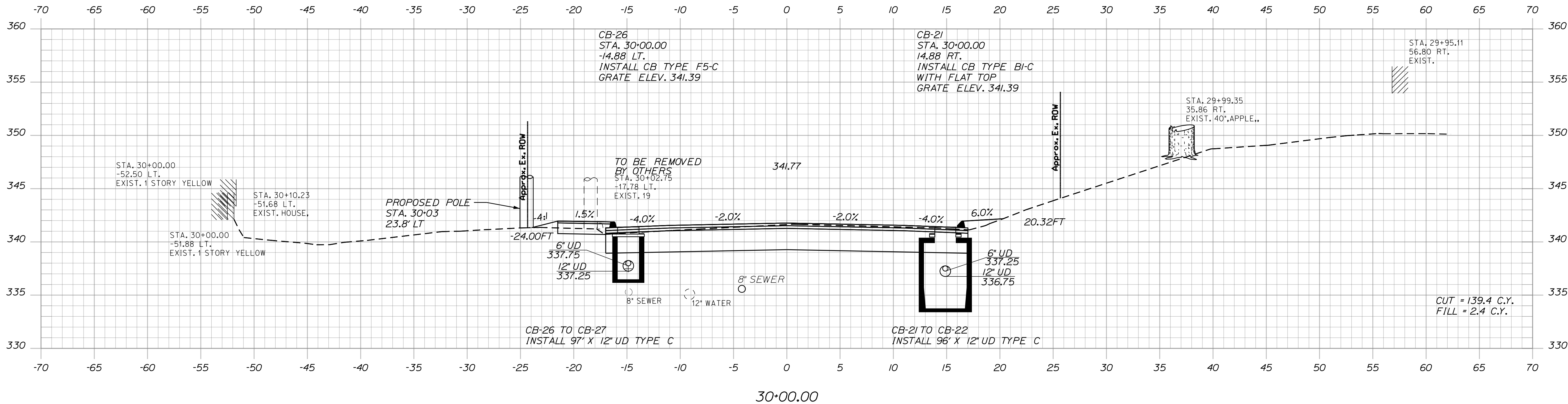
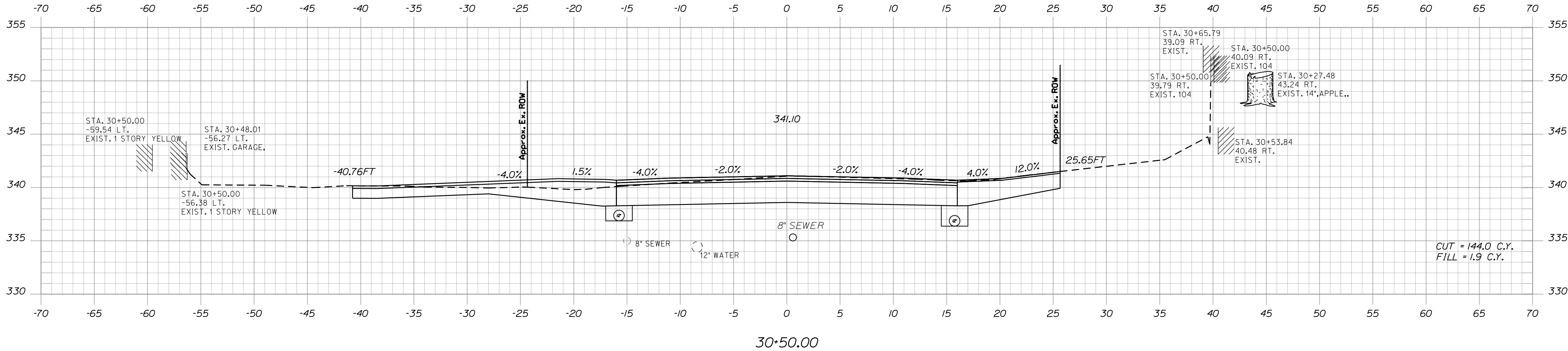
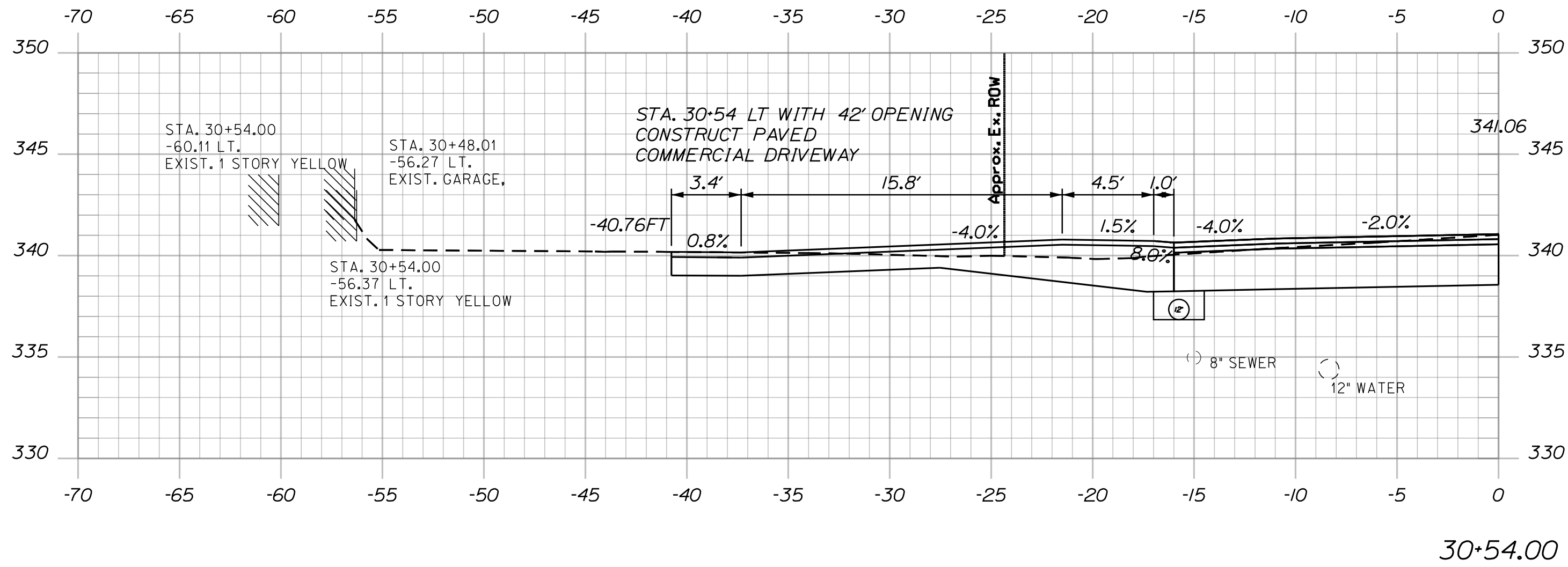
SHEET NUMBER
72
OF 135

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTAD050_Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	DATE	3/24/26	SIGNATURE	
CHECKED/REVISED	L. HICKEY	DATE	3/24/26	P.E. NUMBER	
DESIGN DETAIL		DATE		DATE	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

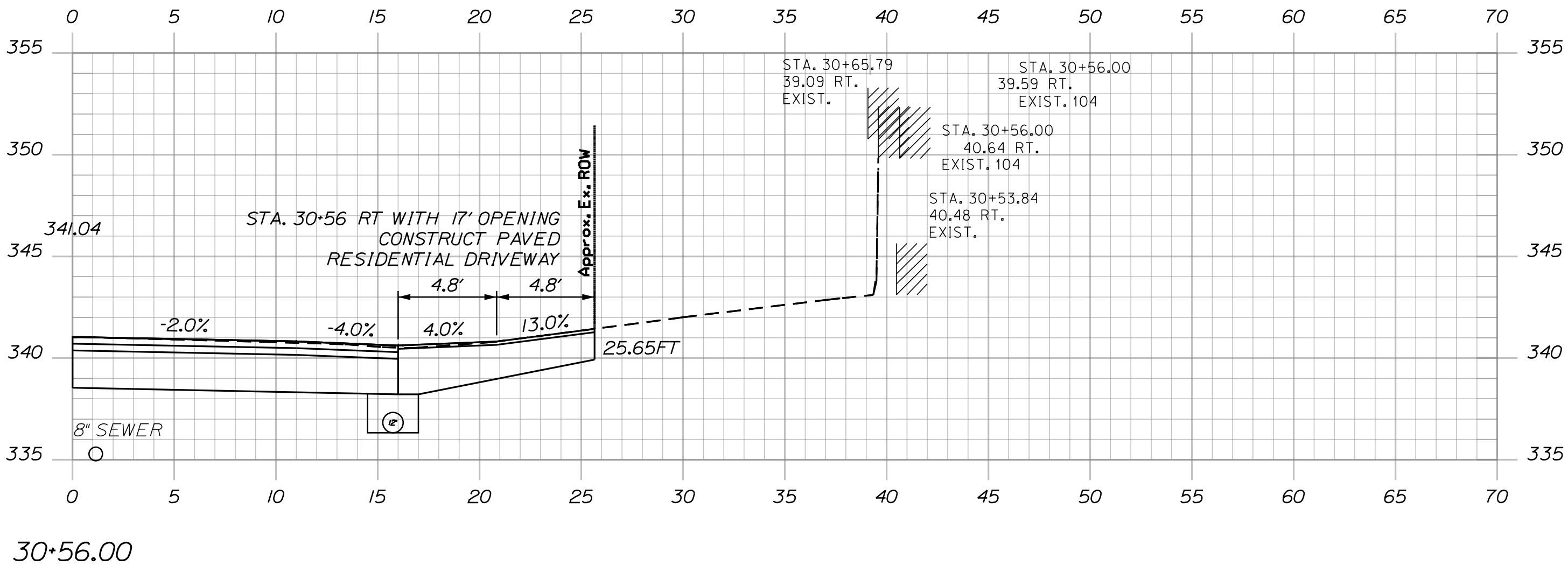
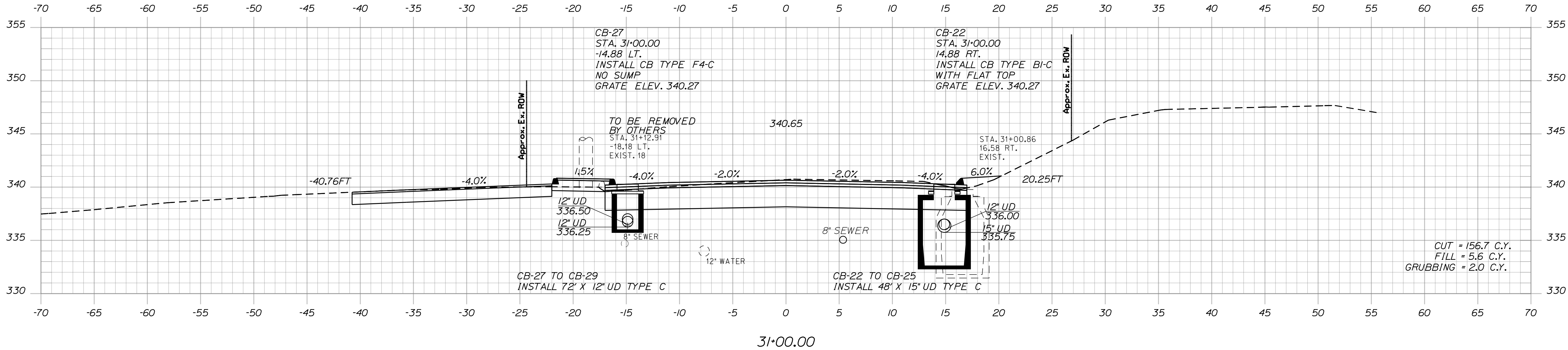
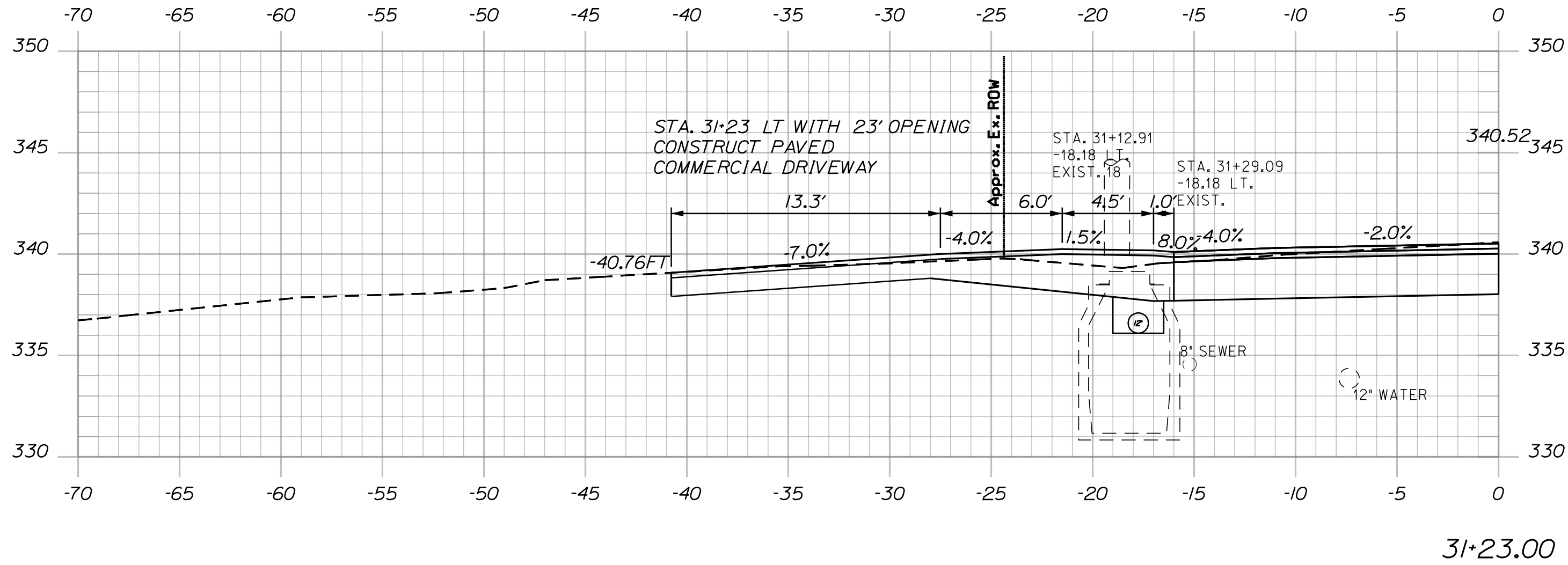
SHEET NUMBER
73
OF 135

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTA\\050_Xsect.dgn



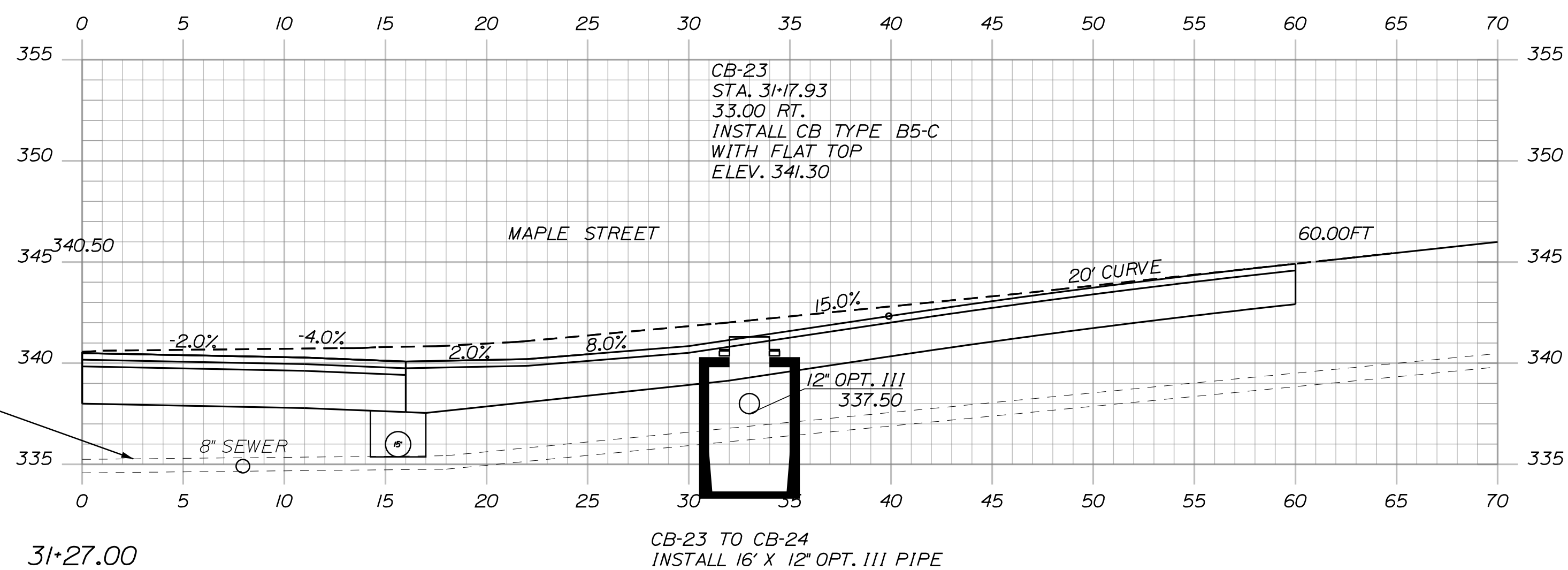
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	M. GROTE	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	CHECKED	L. HICKEY	SIGNATURE	
DESIGN DETAIL	L. HICKEY	REVISIONS	1	P.E. NUMBER	
DESIGN DETAIL	L. HICKEY	REVISIONS	2	DATE	
DESIGN DETAIL	L. HICKEY	REVISIONS	3		
DESIGN DETAIL	L. HICKEY	REVISIONS	4		
DESIGN DETAIL	L. HICKEY	FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
74
OF 135

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



Sta. 31+27.00 to Sta. 31+50.00

SHEET NUMBER

75

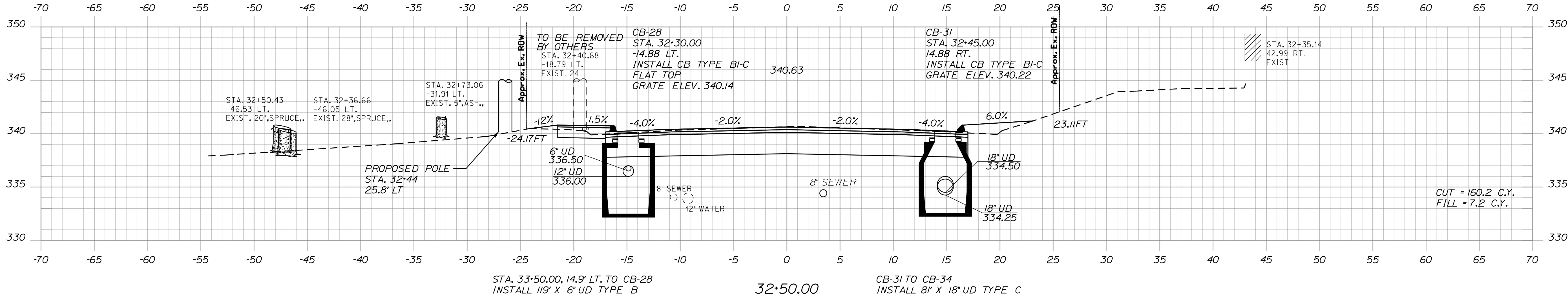
OF 135

Date:6/30/2026

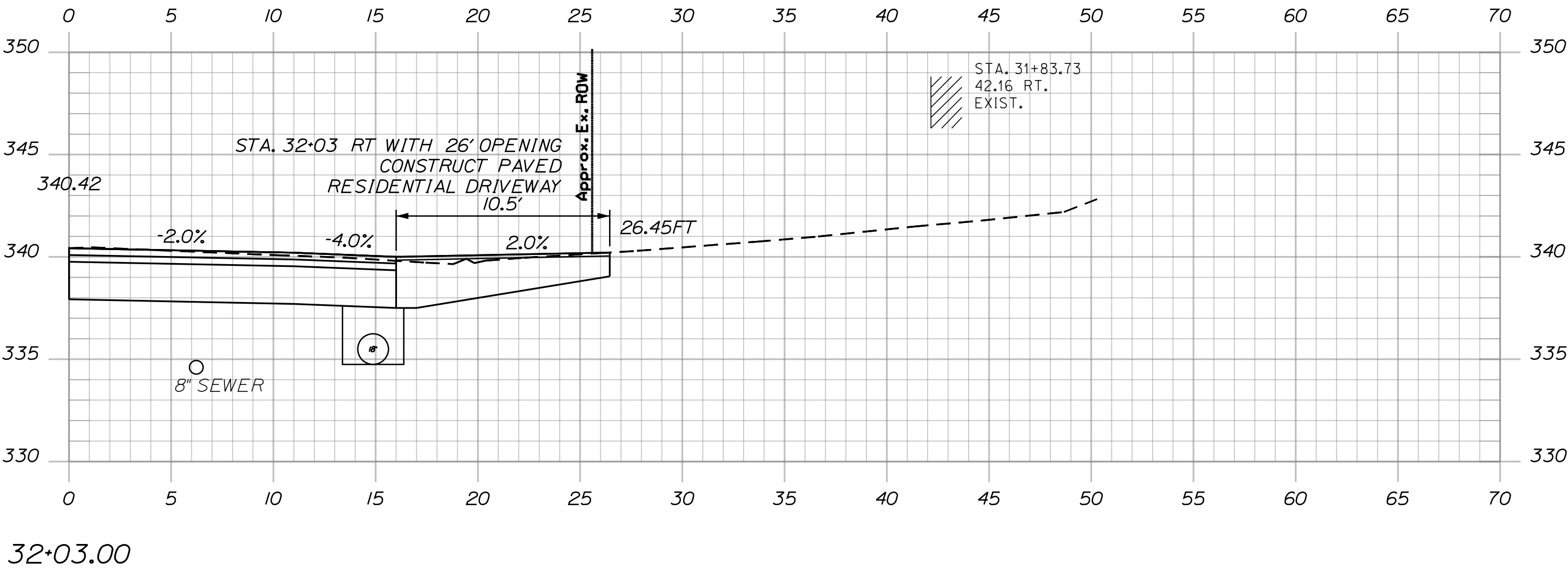
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Division:

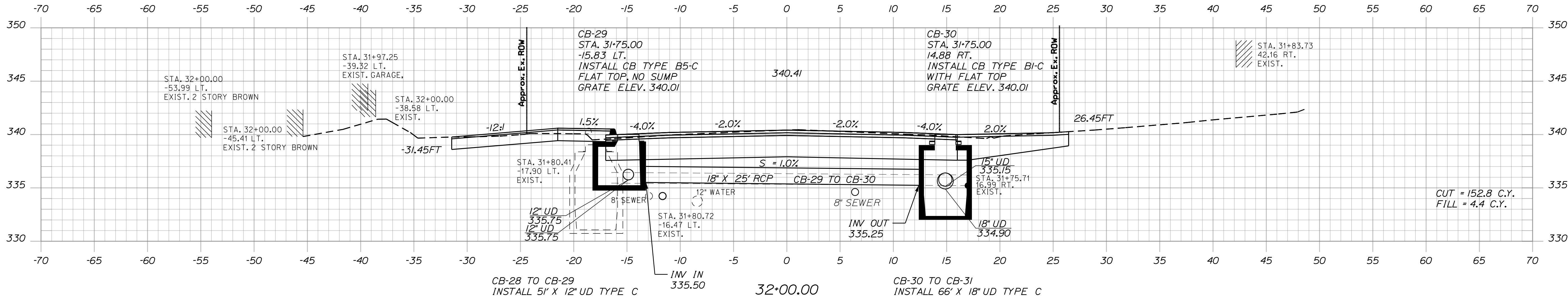
Filename: ...\\HIGHWAY\\MSTAD050_Xsect.dgn



32+50.00 CB-31 TO CB-34
INSTALL 81' X 18\"/>



32+03.00



32+00.00 CB-30 TO CB-31
INSTALL 66' X 18\"/>

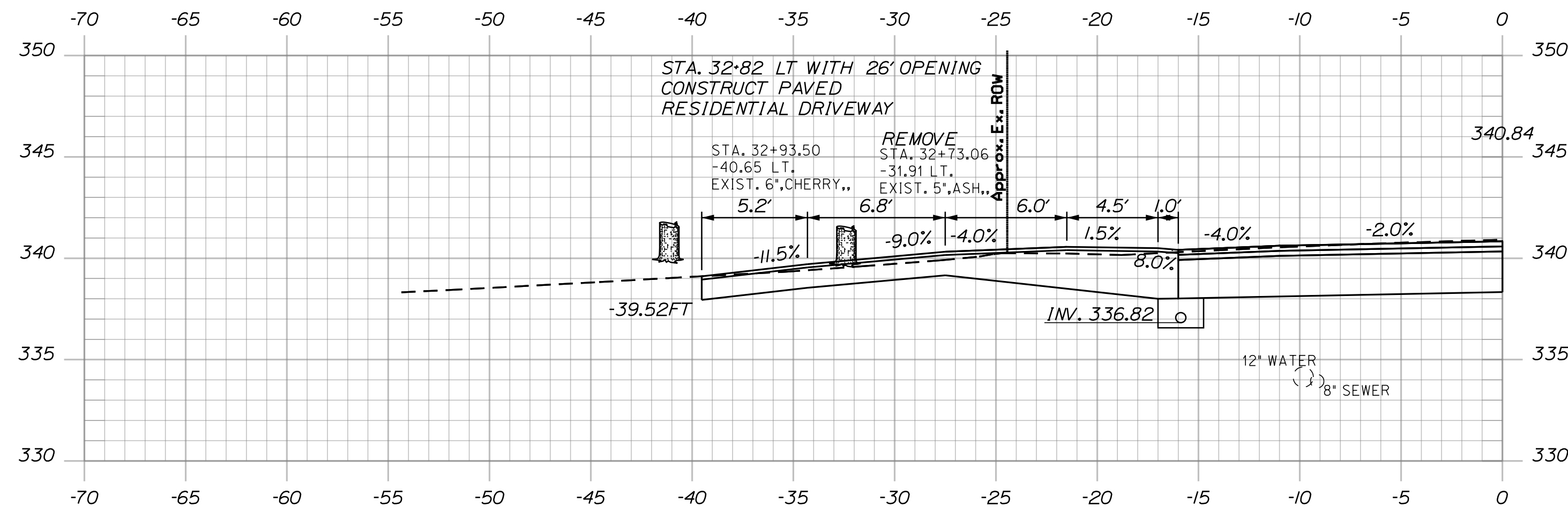
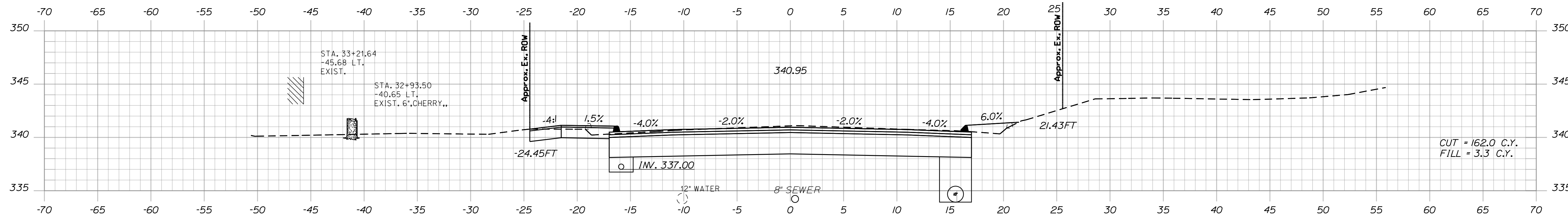
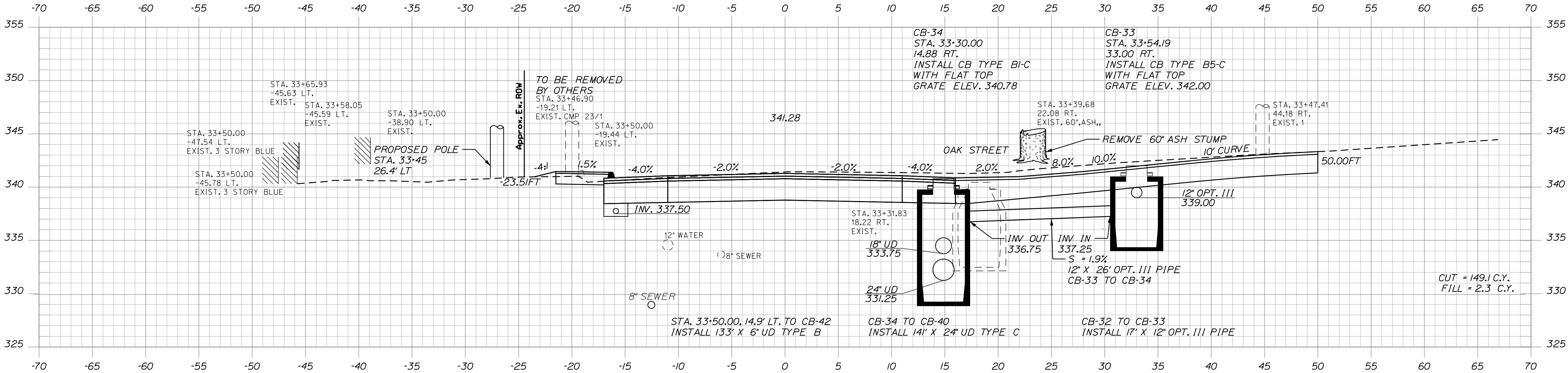
PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	L. HICKEYSON	M. GROTE	3/24/26
CHECKED-REVIEWED	L. HICKEYSON	L. SPINELLI	3/24/26
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date:6/30/2026

Username:

Division:

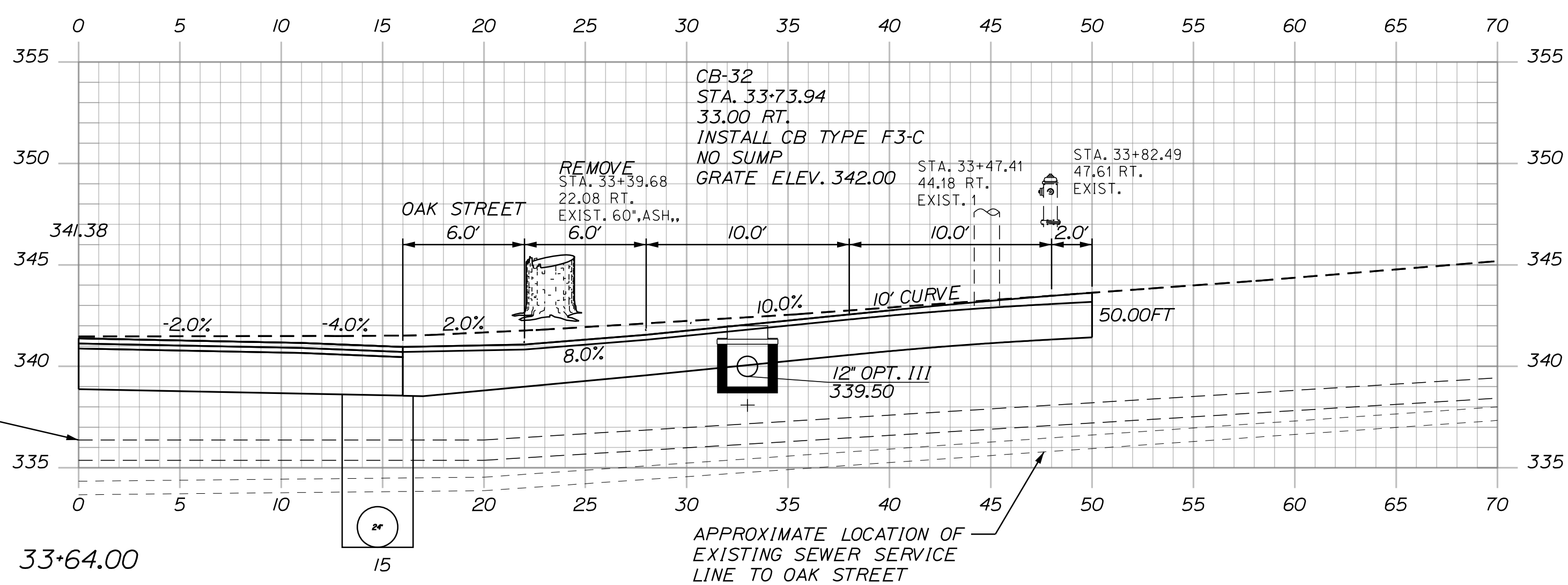
Filename: ...\\HIGHWAY\\MSTA050_Xsect.dgn



PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	L. HIGGINSON	3/24/26	
DESIGN DETAIL	CHECKED/REVIEWED	DESIGN DETAIL	P.E. NUMBER
DESIGN DETAIL	DESIGN DETAIL	DESIGN DETAIL	DATE
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

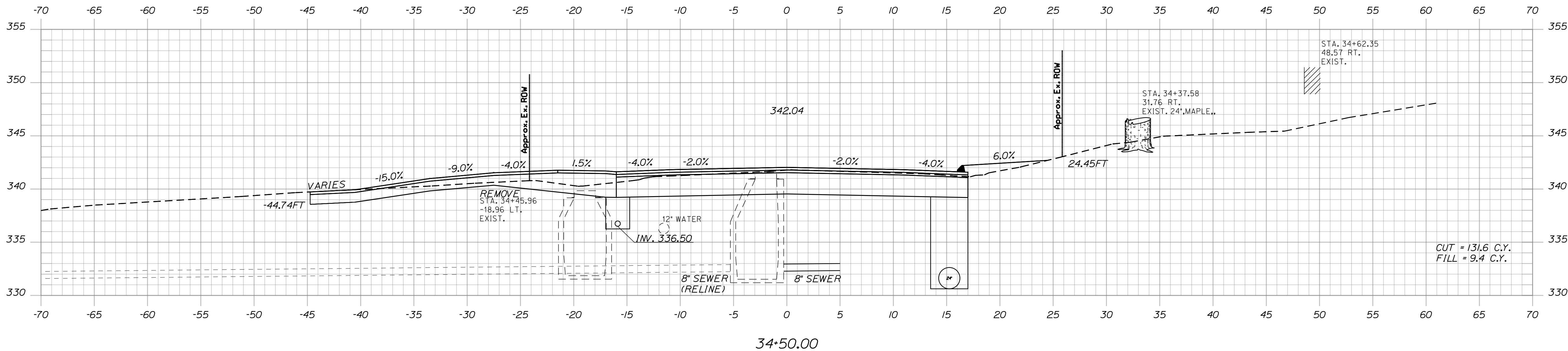
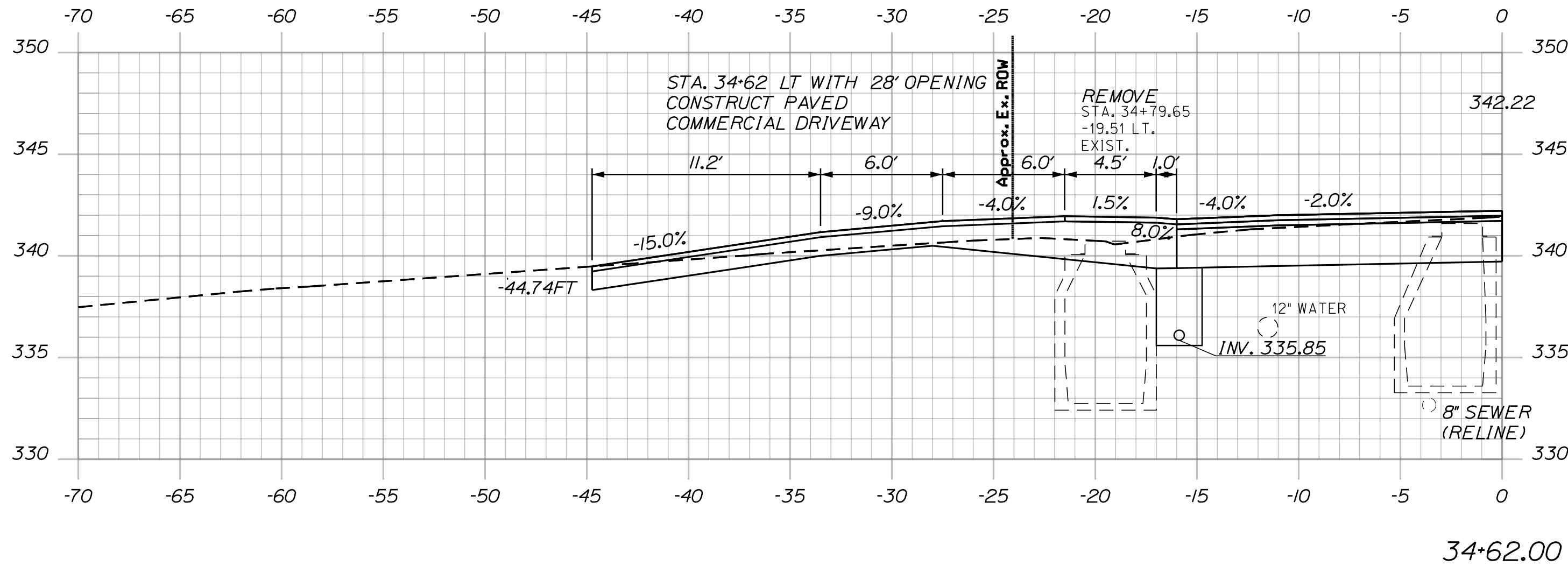
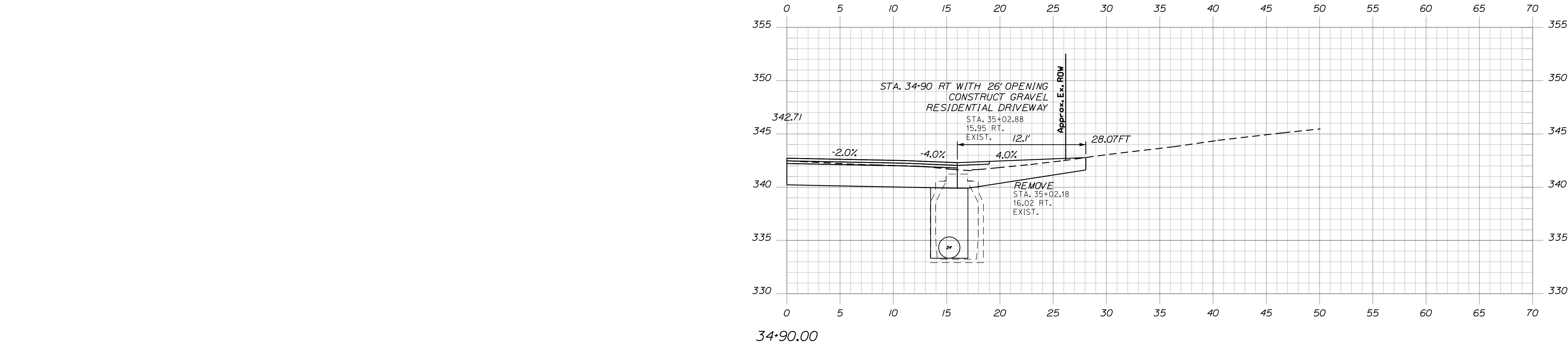


SHEET NUMBER

78

OF 135

Sta. 33+64.00 to Sta. 34+00.00



PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HIGGINS	M. GROTE	3/24/26
CHECKED/REVISED	L. HIGGINS	L. SPINELLI	3/24/26
DESIGN DETAIL			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

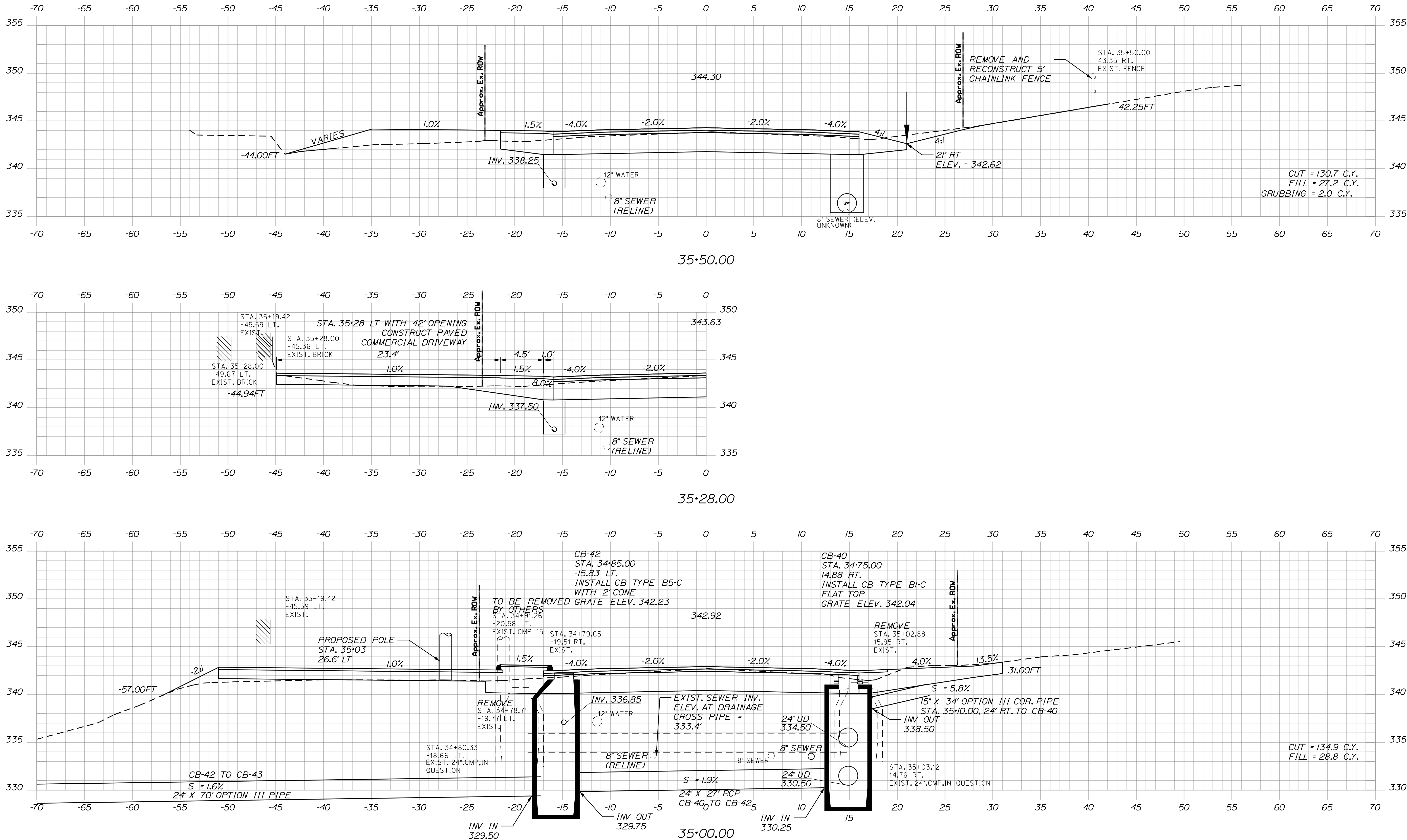
LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTA050_Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

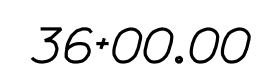
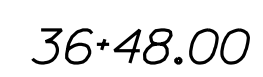
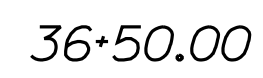
PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN-DETAILED	L. HICKEY	CHECKED-REVIEWED	L. HICKEY	SIGNATURE	
DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 4			
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
80
OF 135

Sta. 35+00.00 to Sta. 35+50.00

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

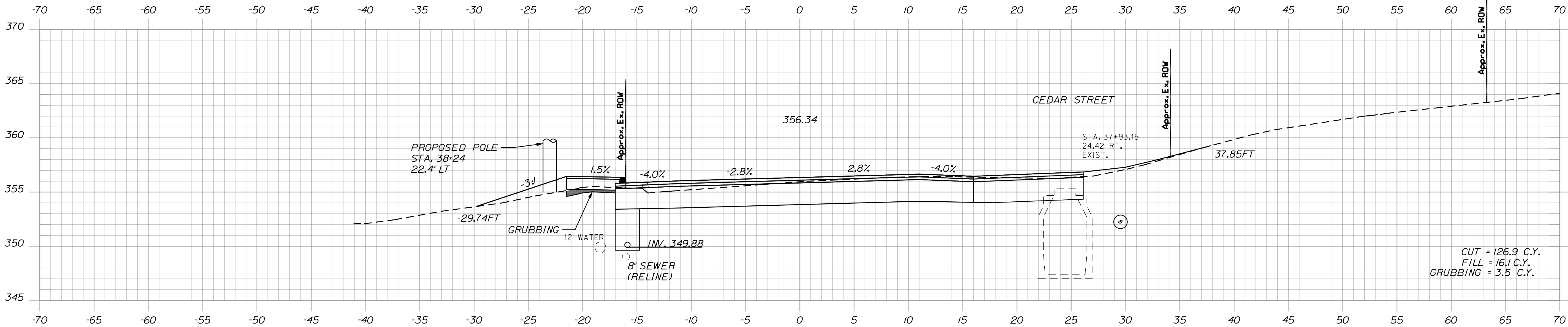


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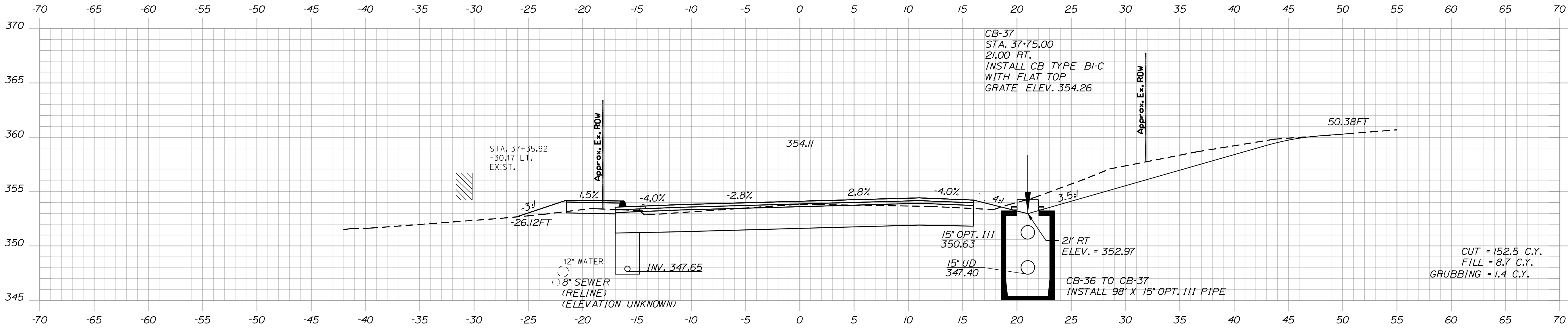
81

OF 135

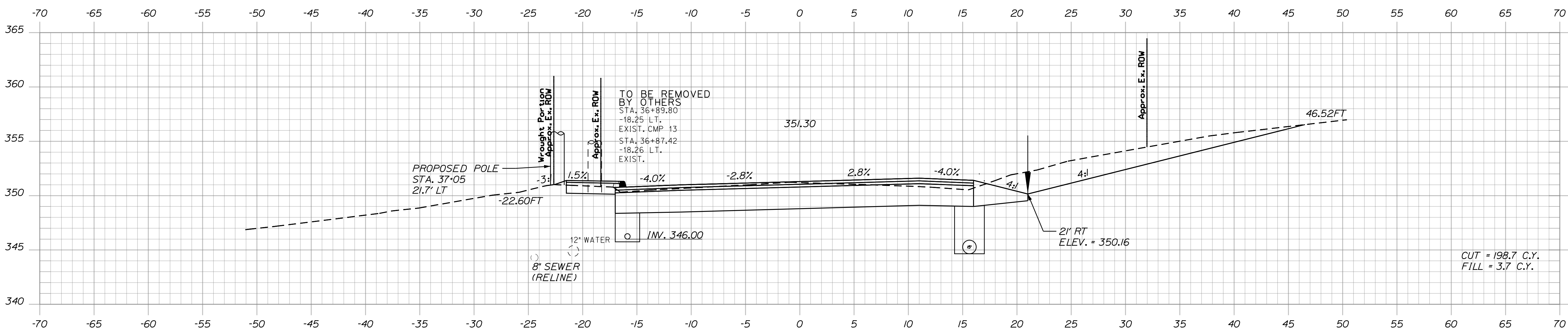
Sta. 36+00.00 to Sta. 36+50.00



38+00.00

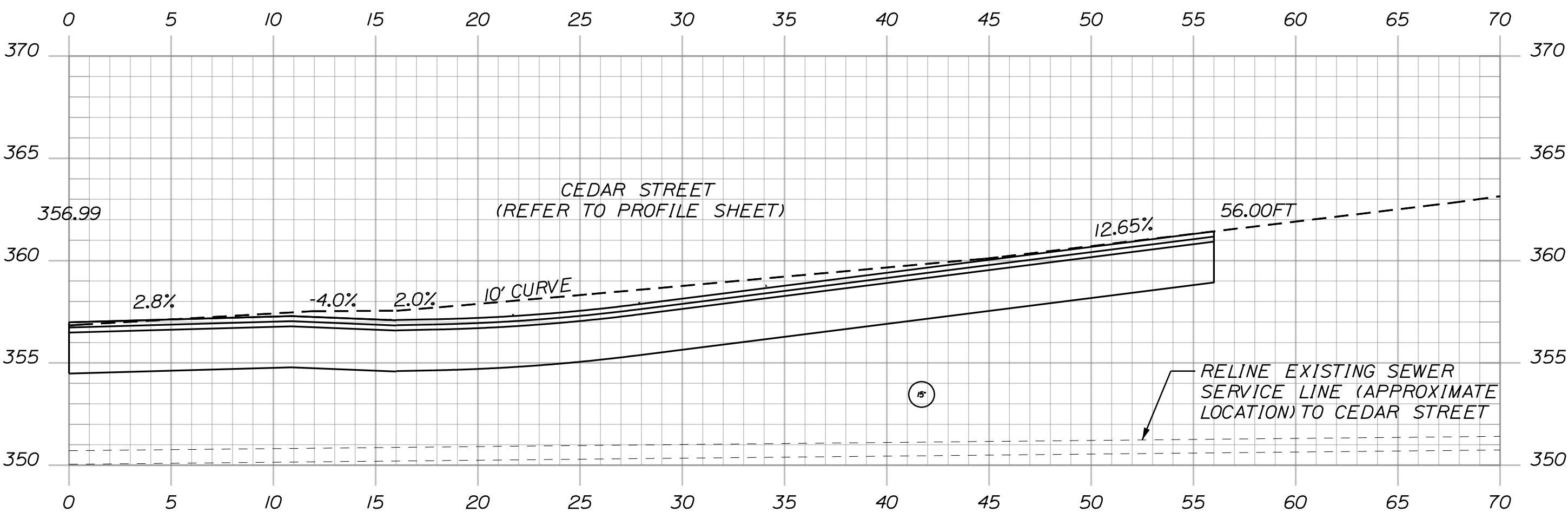
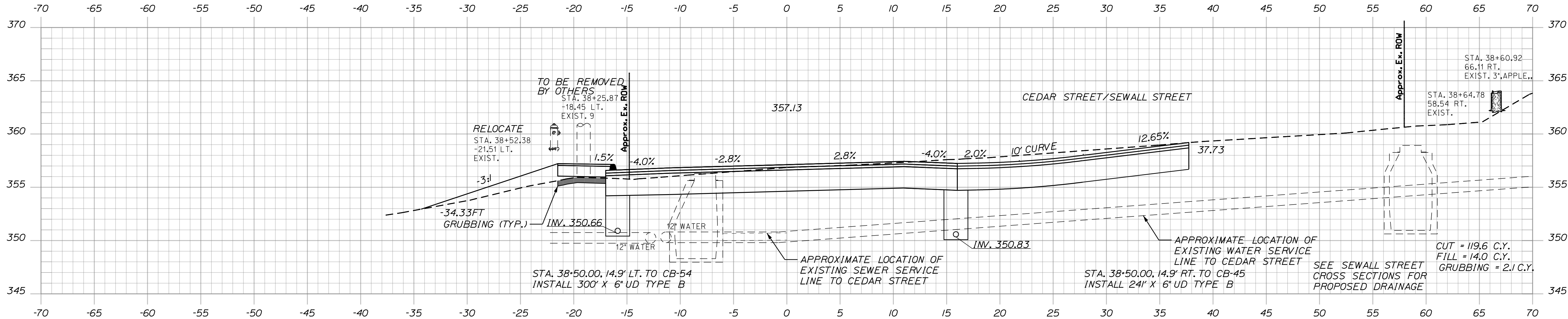
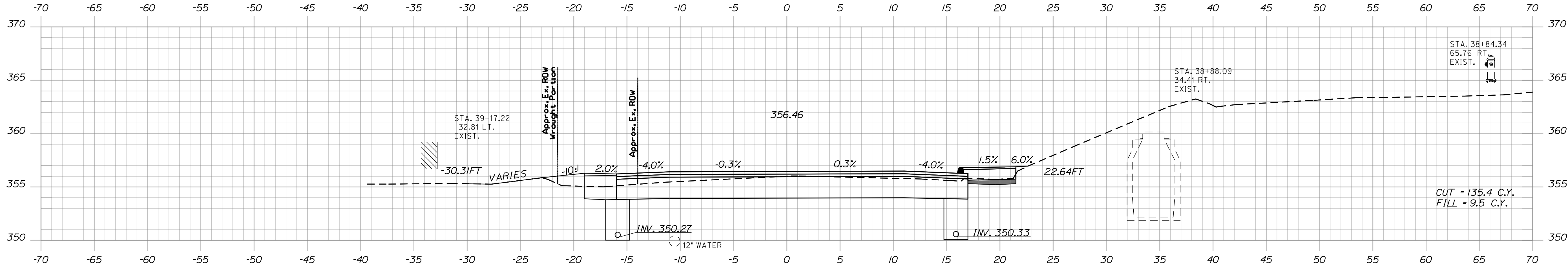


37+50.00

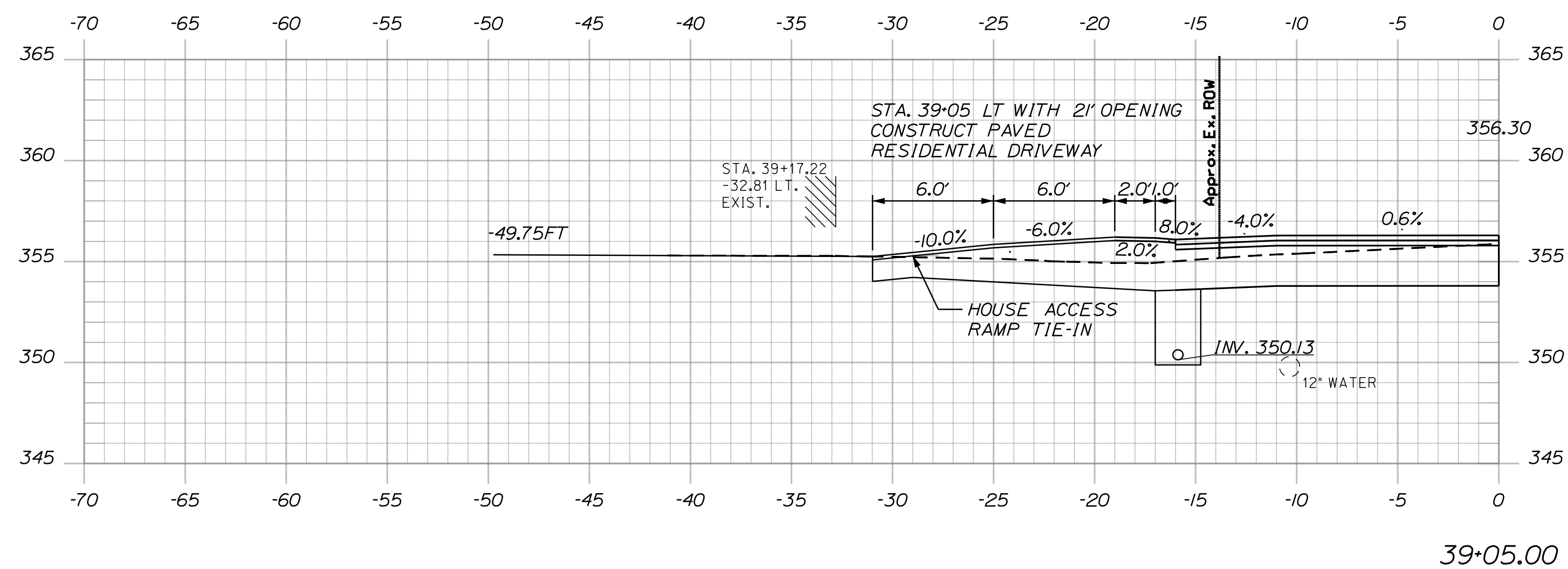


37+00.00

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HIGGINS	M. GROTE	3/24/26
CHECKED/REVIEWED	L. HIGGINS	L. SPINELLI	3/24/26
DESIGN DETAIL			
DESIGN DETAIL			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

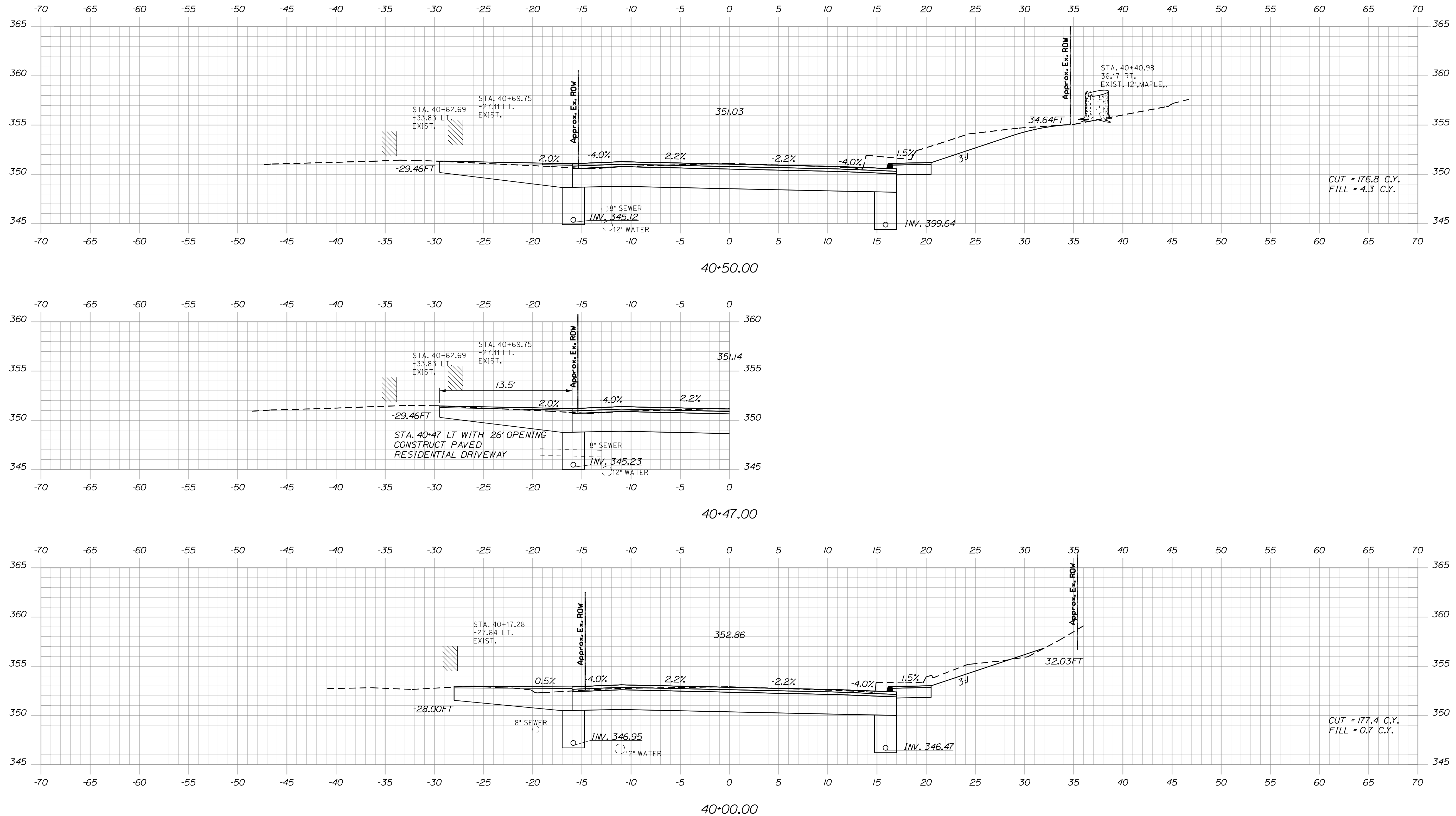


PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	L. HICKEYSON	3/24/26	
DESIGN DETAIL	DESIGN DETAIL	DESIGN DETAIL	DESIGN DETAIL
CHECKED/REVIEWED	CHECKED/REVIEWED	CHECKED/REVIEWED	CHECKED/REVIEWED
DESIGN DETAIL	DESIGN DETAIL	DESIGN DETAIL	DESIGN DETAIL
REVISIONS 1	REVISIONS 1	REVISIONS 1	REVISIONS 1
REVISIONS 2	REVISIONS 2	REVISIONS 2	REVISIONS 2
REVISIONS 3	REVISIONS 3	REVISIONS 3	REVISIONS 3
REVISIONS 4	REVISIONS 4	REVISIONS 4	REVISIONS 4
FIELD CHANGES	FIELD CHANGES	FIELD CHANGES	FIELD CHANGES



84		SHEET NUMBER		LIVERMORE FALLS ROUTE 17		PROJ. MANAGER		E. MARTIN	BY	DATE	STATE OF MAINE	
						DESIGN-DETAILED	I. HIGGINS	M. GROTE	3/74/76	DEPARTMENT OF TRANSPORTATION		
CROSS SECTIONS						CHECKED-REVIEWED	I. HIGGINS	L. SPINIESO	SIGNATURE		(NHPP-2264(300))	
						DESIGN2-DETAILED2						
						DESIGN3-DETAILED3			P.E. NUMBER			
						REVISIONS 1						
						REVISIONS 2						
						REVISIONS 3			DATE	WIN	HIGHWAY PLANS	
						REVISIONS 4			22643.00			
						FIELD CHANGES						

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION (NHPP-2254(300))	
WIN 22643.00	HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	GROTE	DATE
DESIGN-DETAILED	T.HIGSON	M.GROTE	3/24/76
CHECKED-REVIEWED	T.HIGSON	L.SFINITSCUL	
DESIGN3-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE			
P.E. NUMBER			
DATE			

LIVERMORE FALLS ROUTE 17

CROSS SECTIONS

SHEET NUMBER

85

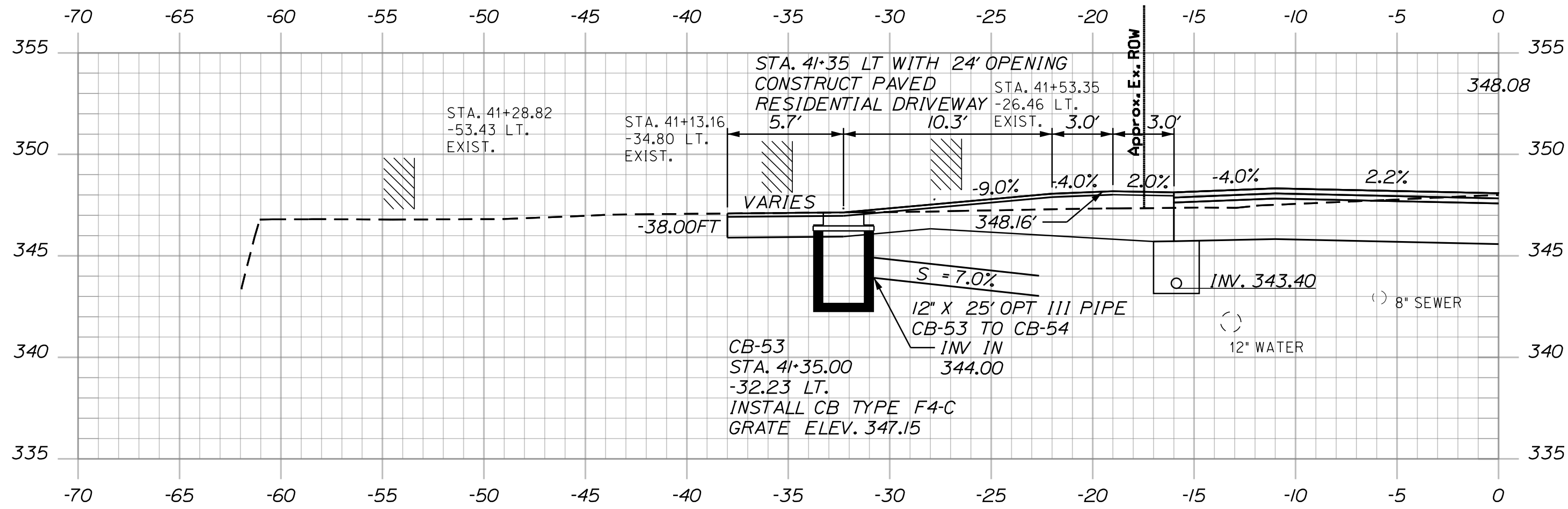
OF 135

Date:6/30/2026

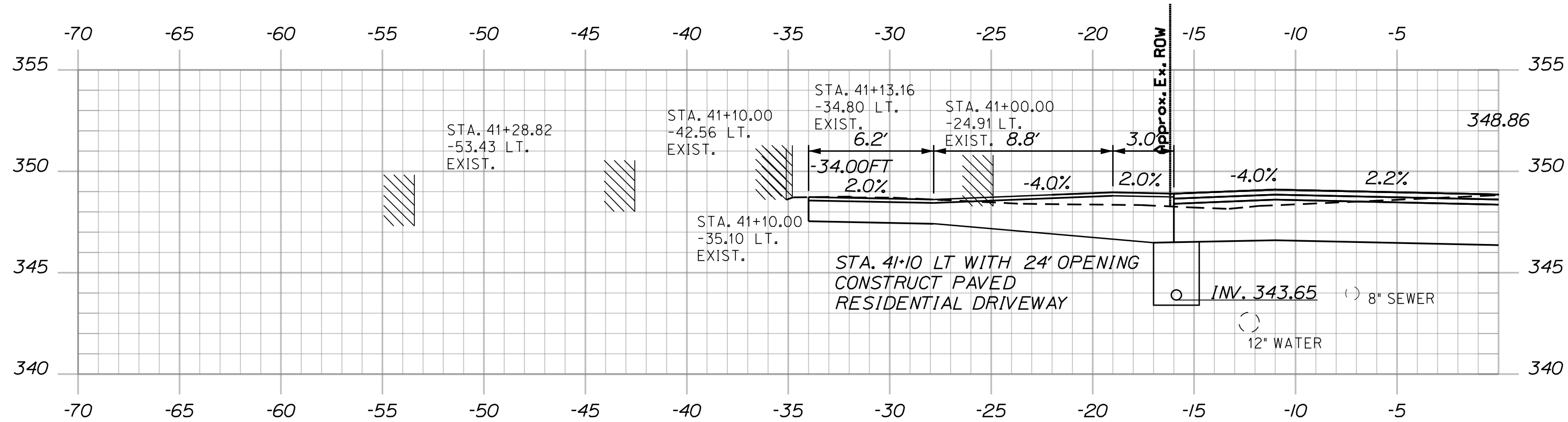
Username:

Division:

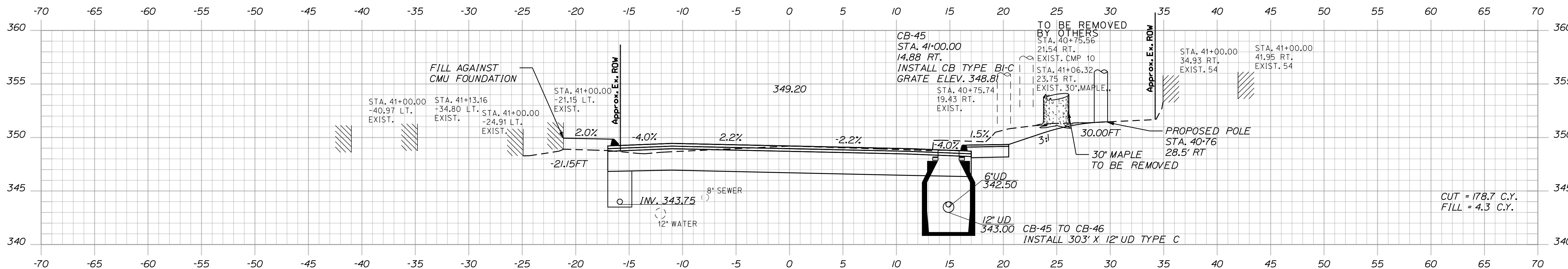
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41+35.00



41+10.00



41+00.00

CUT = 178.7 C.Y.
FILL = 4.3 C.Y.

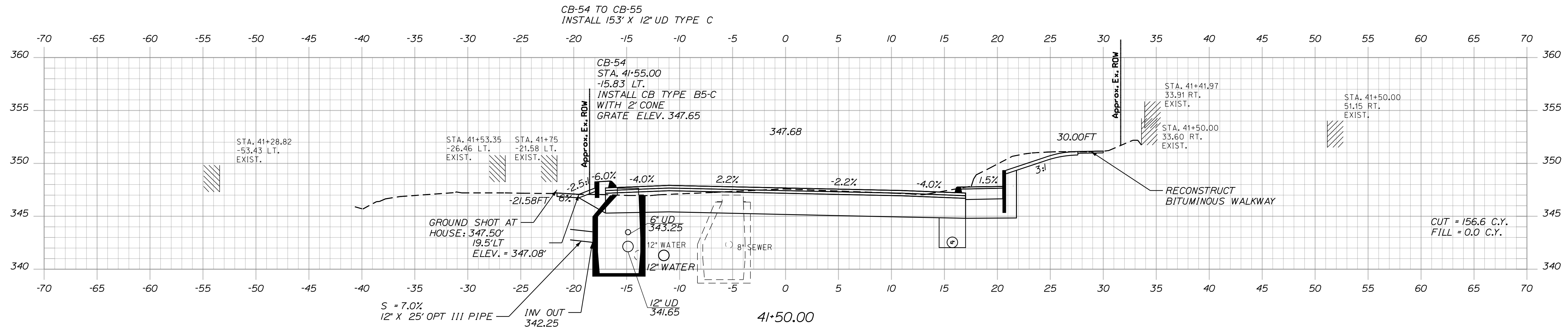
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN 22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	M. GROTE	DATE	3/24/26
DESIGN DETAIL	L. HIGGINS	CHECKED	L. HIGGINS	SIGNATURE	
DESIGN DETAIL	L. HIGGINS	DESIGN DETAIL	L. HIGGINS	P.E. NUMBER	
REVISIONS 1		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 4			
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
86
OF 135

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

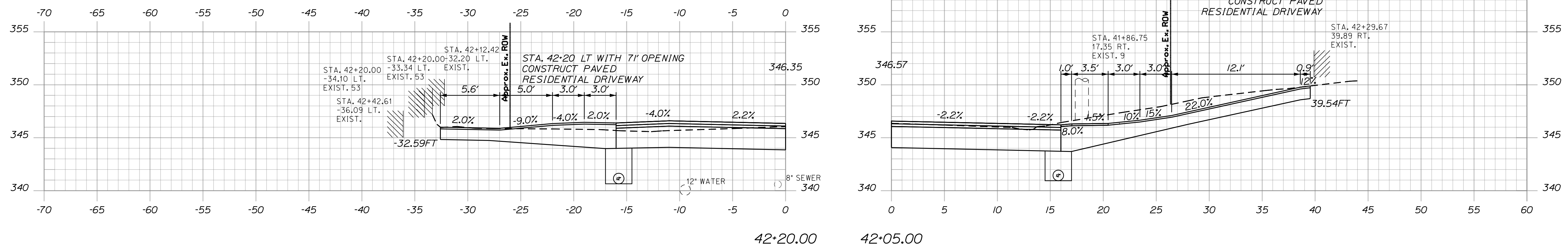


SHEET NUMBER

87

OF 135

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

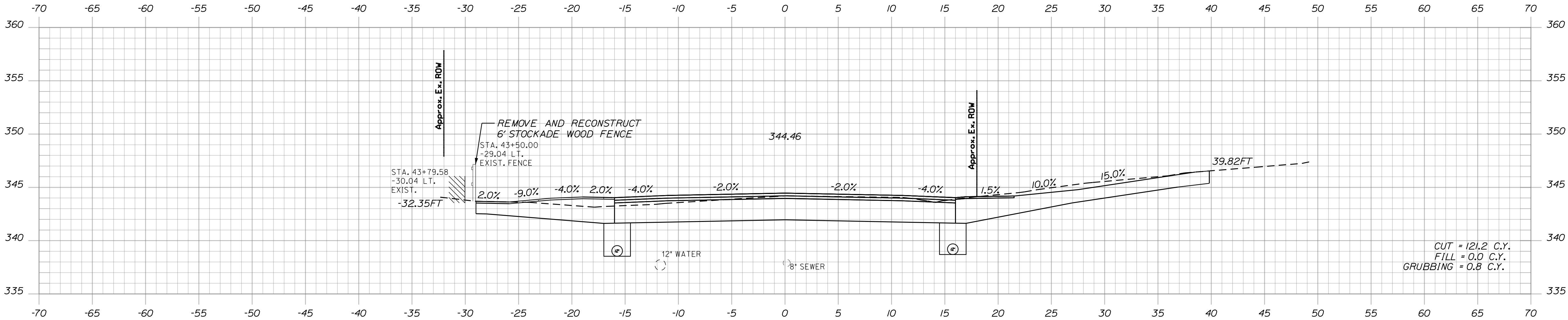


SHEET NUMBER

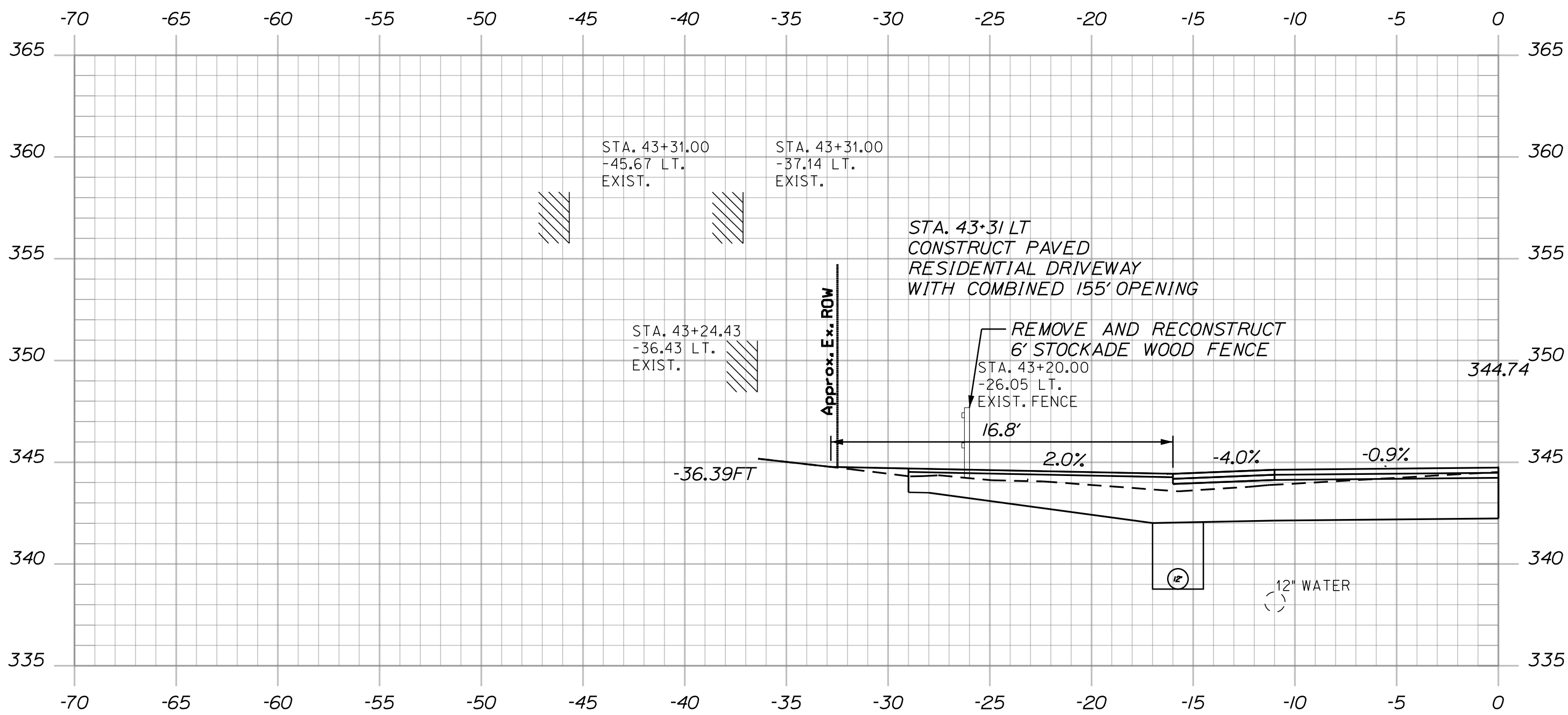
88

OF 135

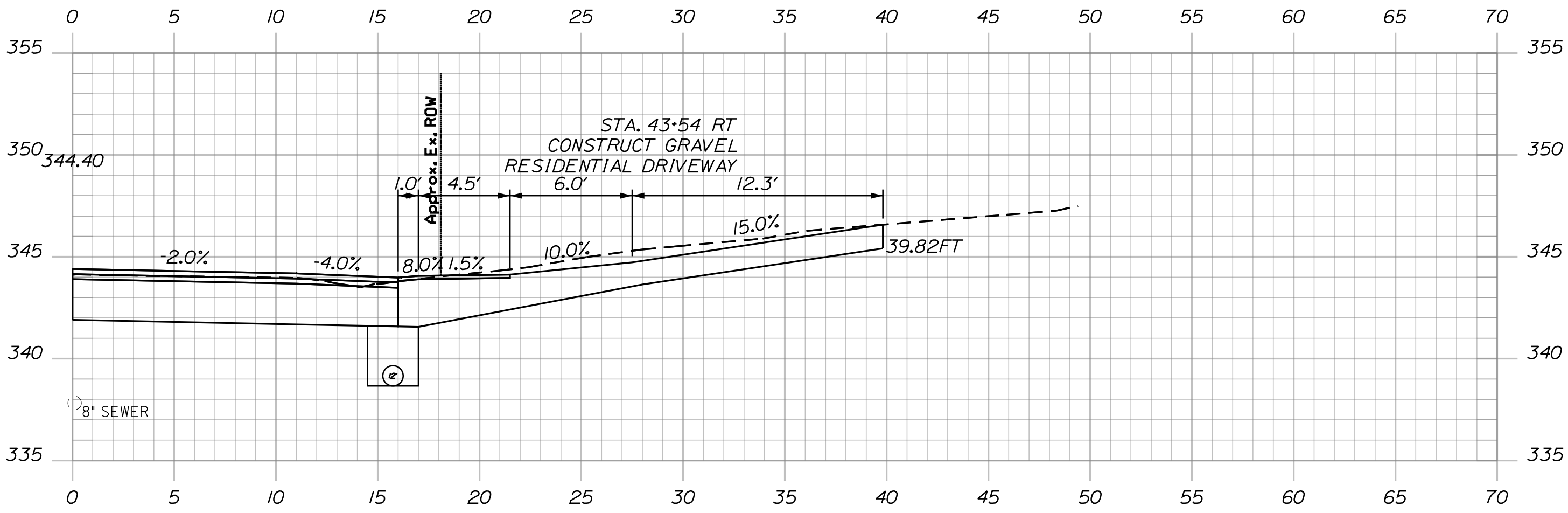
Sta. 42+20.00 to Sta. 43+00.00



43+50.00



43+31.00



43+54.00

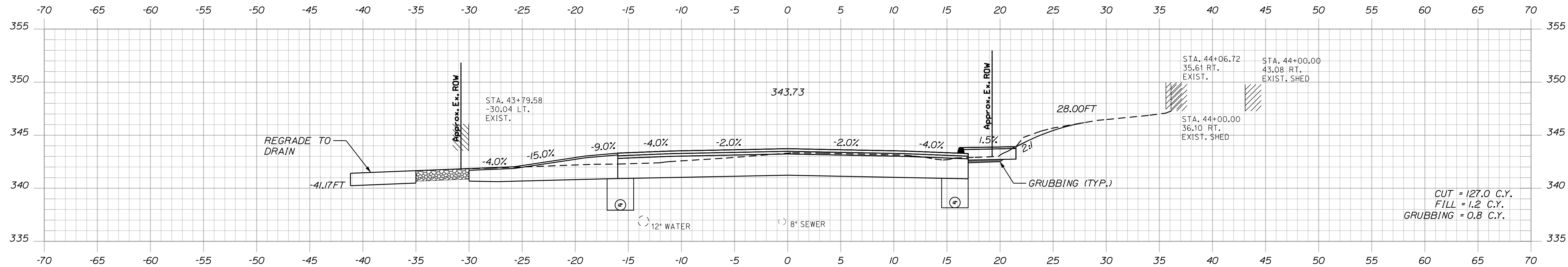
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	(NHPP-2264(300))	
	WIN	
	22643.00	HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	DESIGN DETAIL	L. HICKEY	DATE	3/24/26
CHECKED/REVIEWED	L. HICKEY	CHECKED/REVIEWED	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	DESIGN DETAIL	L. HICKEY	DATE	3/24/26
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3		DATE	
REVISIONS 4		REVISIONS 4		DATE	
FIELD CHANGES		FIELD CHANGES		DATE	

LIVERMORE FALLS ROUTE 17	CROSS SECTIONS
-----------------------------	----------------

SHEET NUMBER	89
OF 135	

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



44+00.00

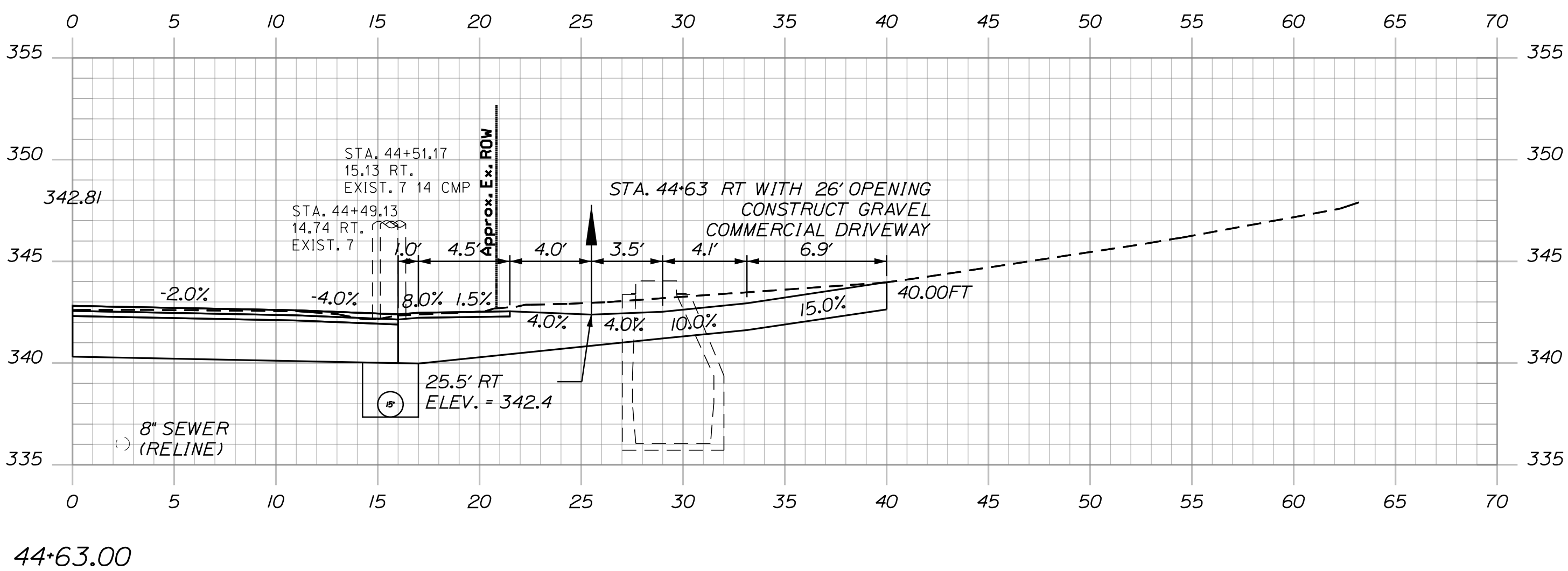
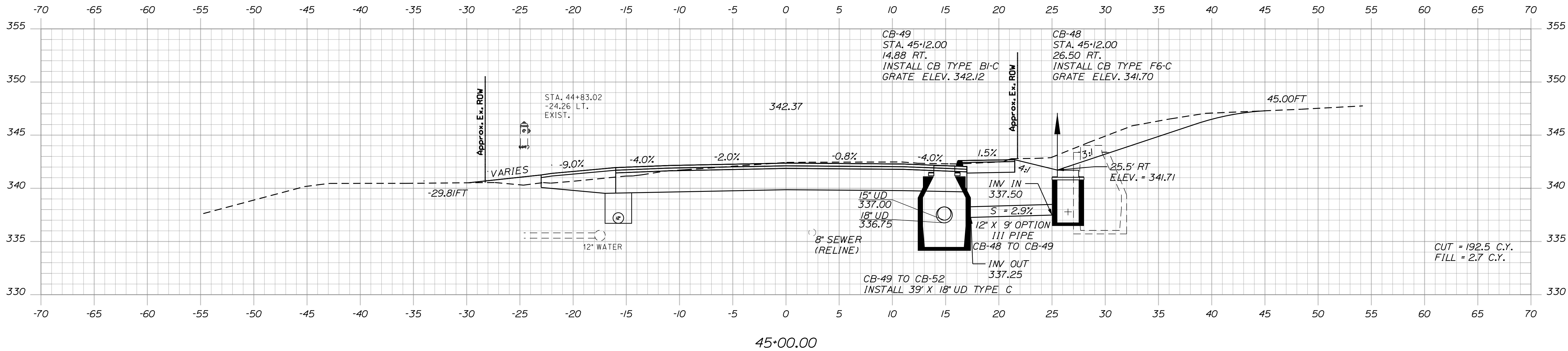
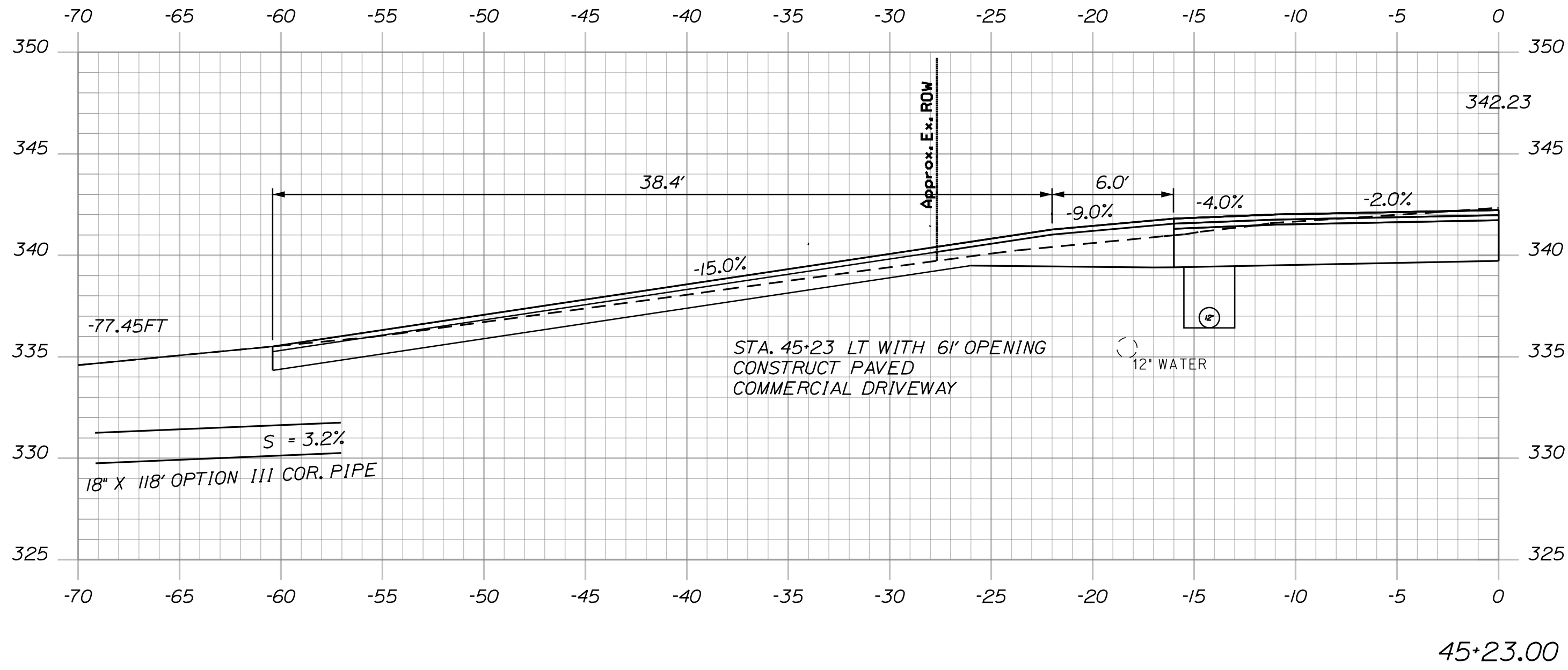
CUT = 127.0 C.Y.
FILL = 1.2 C.Y.
GRUBBING = 0.8 C.Y.

SHEET NUMBER

90

OF 135

Sta. 44+00.00 to Sta. 44+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. HICKEY	DATE	3/24/26
DESIGN DETAIL	L. HICKEY	CHECKED	L. HICKEY	SIGNATURE	
DESIGN DETAIL	L. HICKEY	REVISIONS	1	P.E. NUMBER	
DESIGN DETAIL	L. HICKEY	REVISIONS	2	DATE	
DESIGN DETAIL	L. HICKEY	REVISIONS	3		
DESIGN DETAIL	L. HICKEY	REVISIONS	4		
DESIGN DETAIL	L. HICKEY	FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

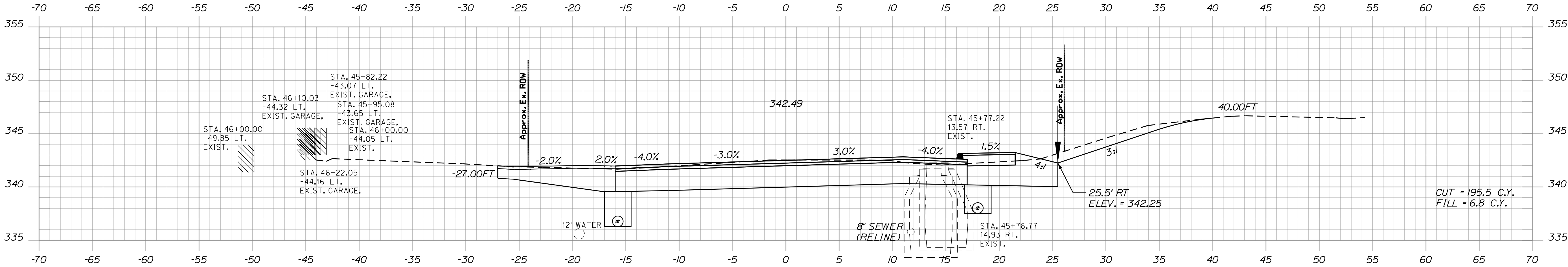
SHEET NUMBER
91
OF 135

Date:6/30/2026

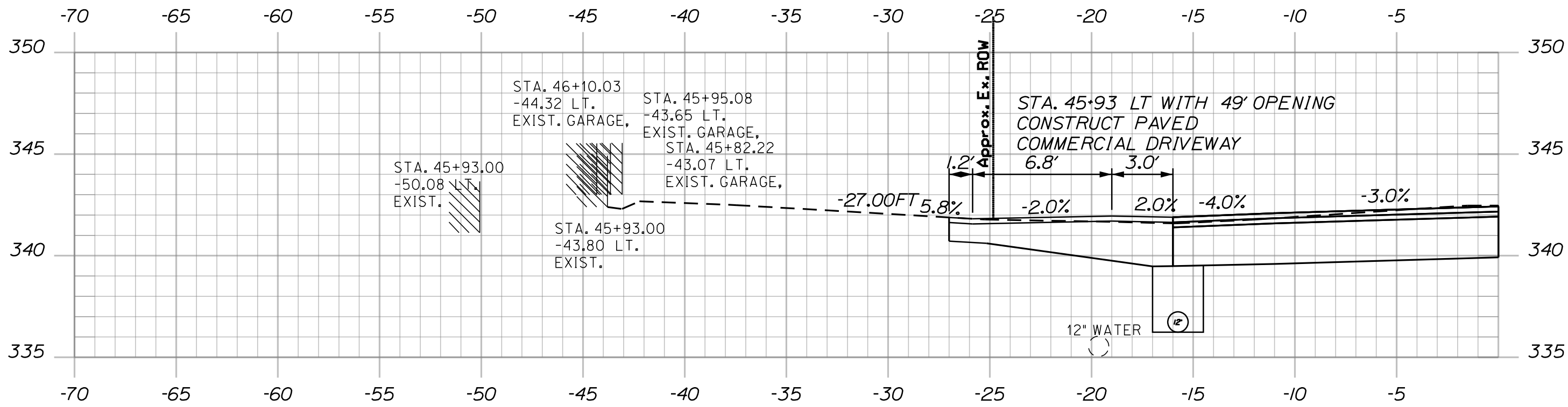
Username:

Division:

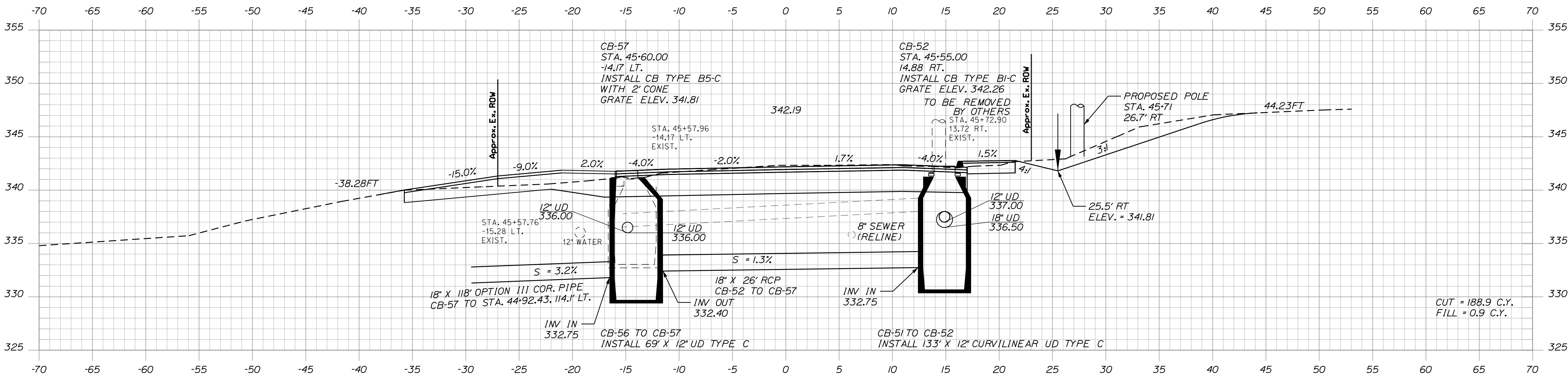
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46+00.00



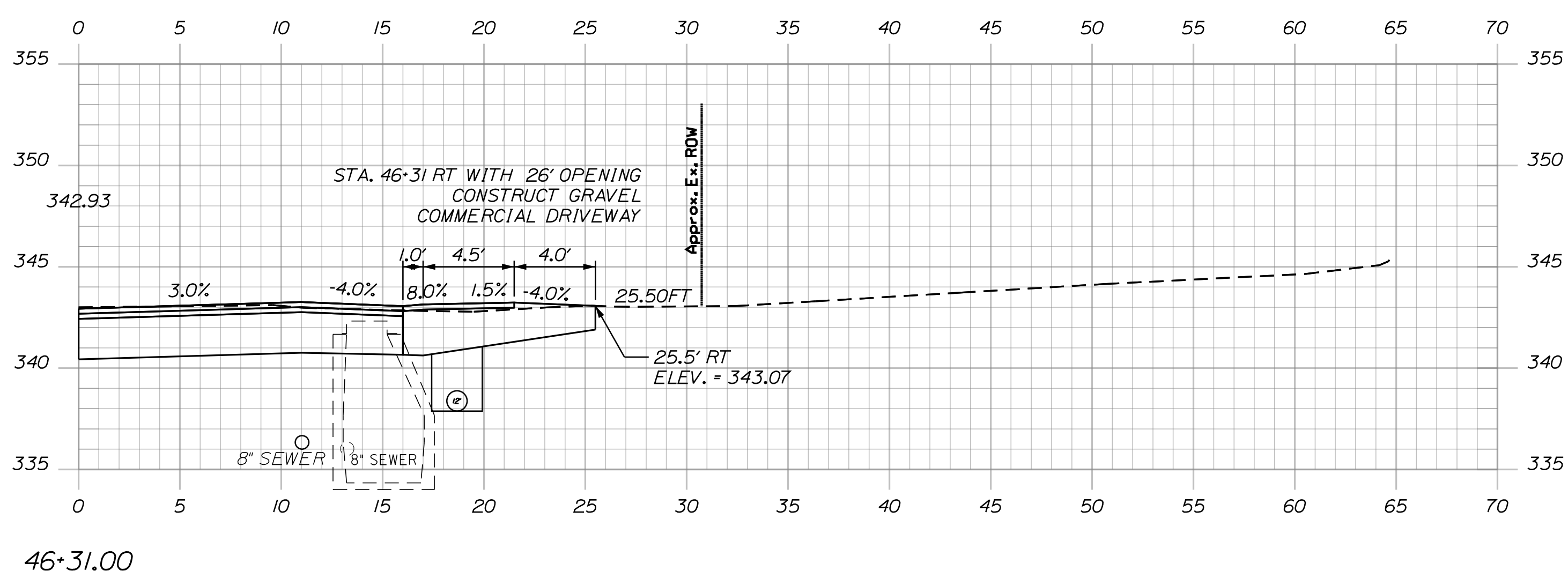
45+93.00



45+50.00

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HICINSON	M. GROTE	3/24/26
CHECKED/REVIEWED	L. HICINSON	L. SPINELLI	3/24/26
DESIGN DETAIL			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

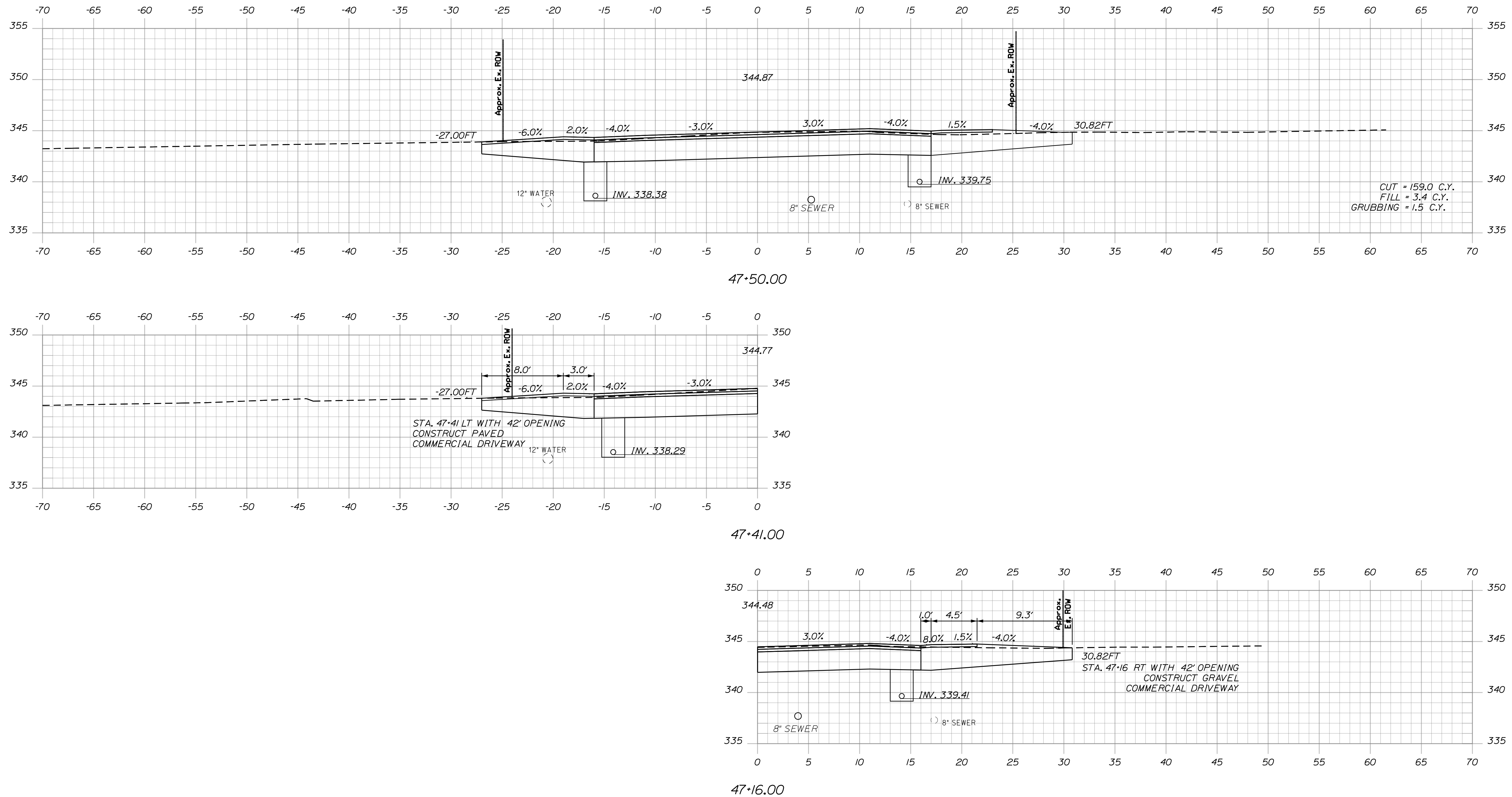
LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS



SHEET NUMBER

93

OF 135

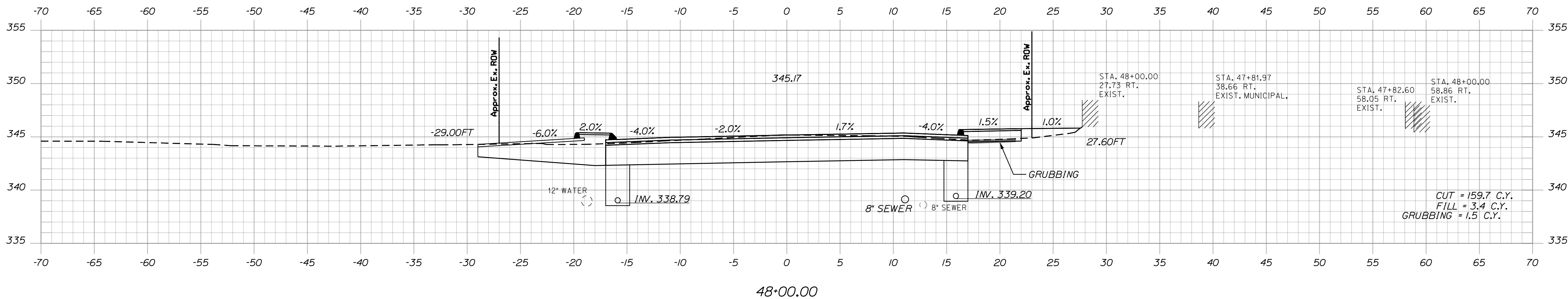
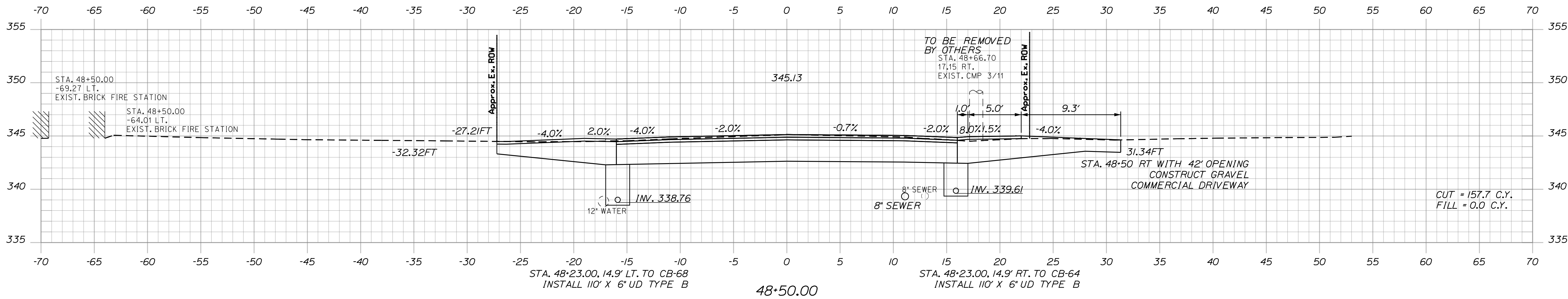
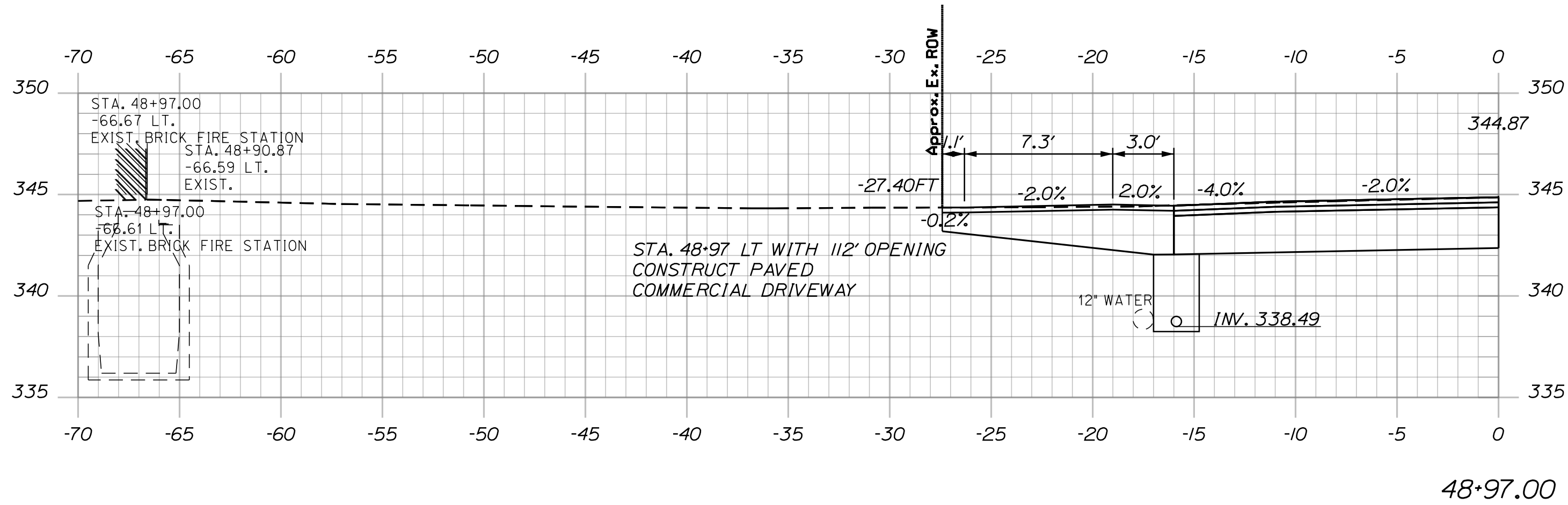


Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTAD050_xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY		DATE	
DESIGN DETAIL	L. HICKEYSON	DATE	3/24/26	SIGNATURE	
CHECKED/REVIEWED	L. HICKEYSON	DATE	3/24/26	P.E. NUMBER	
DESIGN DETAIL		DATE		DATE	
DESIGN DETAIL		DATE			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

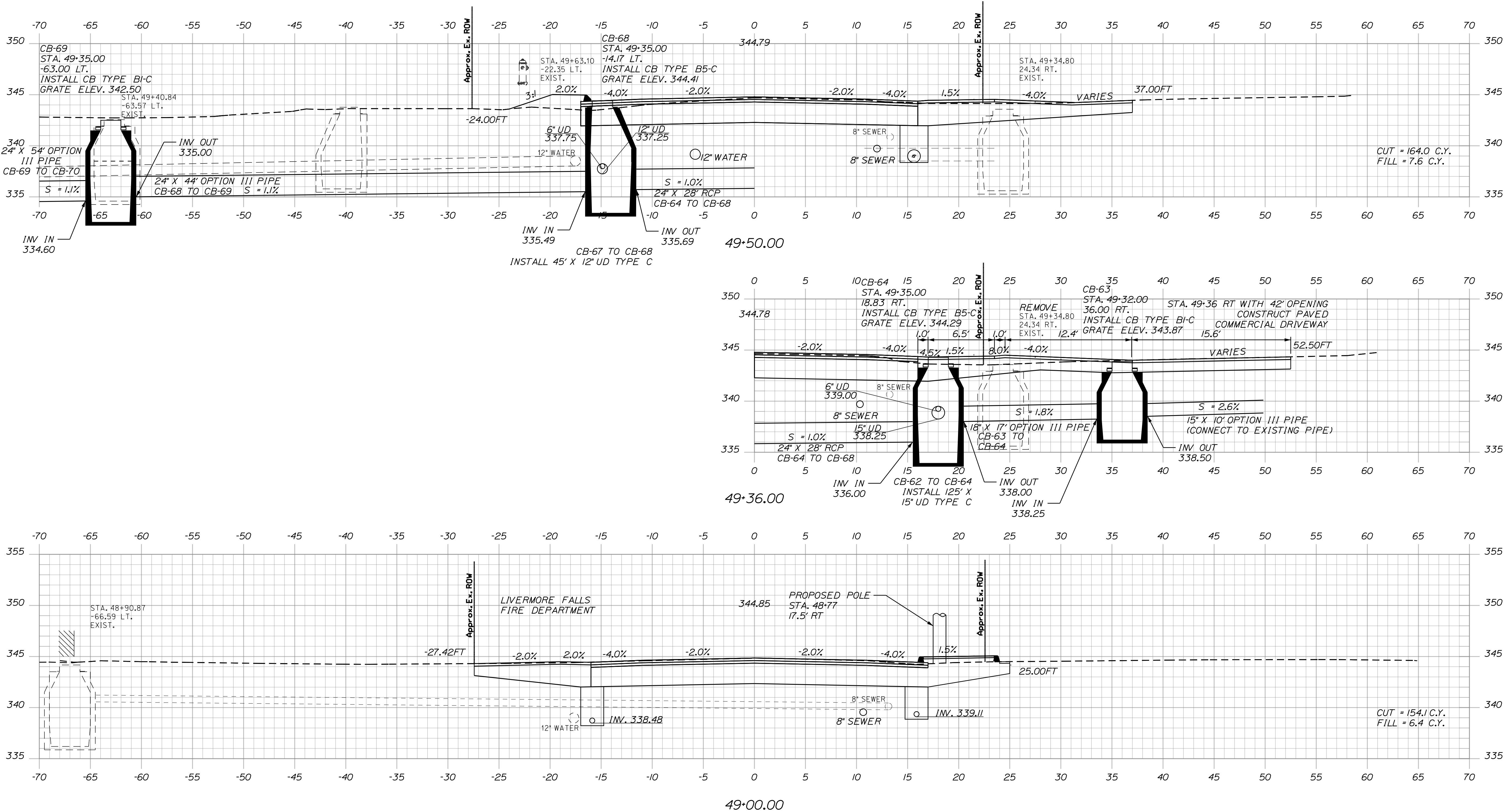
SHEET NUMBER
95
OF 135

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTAD050_Xsect.dgn



PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	L.HIGGINS	M.GROTE	3/24/26
CHECKED-REVIEWED	L.HIGGINS	L.SFENESOL	3/24/26
SIGNATURE			
DESIGN-DETAILED2			
DESIGNS-DETAILED3			
REVISIONS 1			P.E. NUMBER
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			DATE
FIELD CHANGES			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn

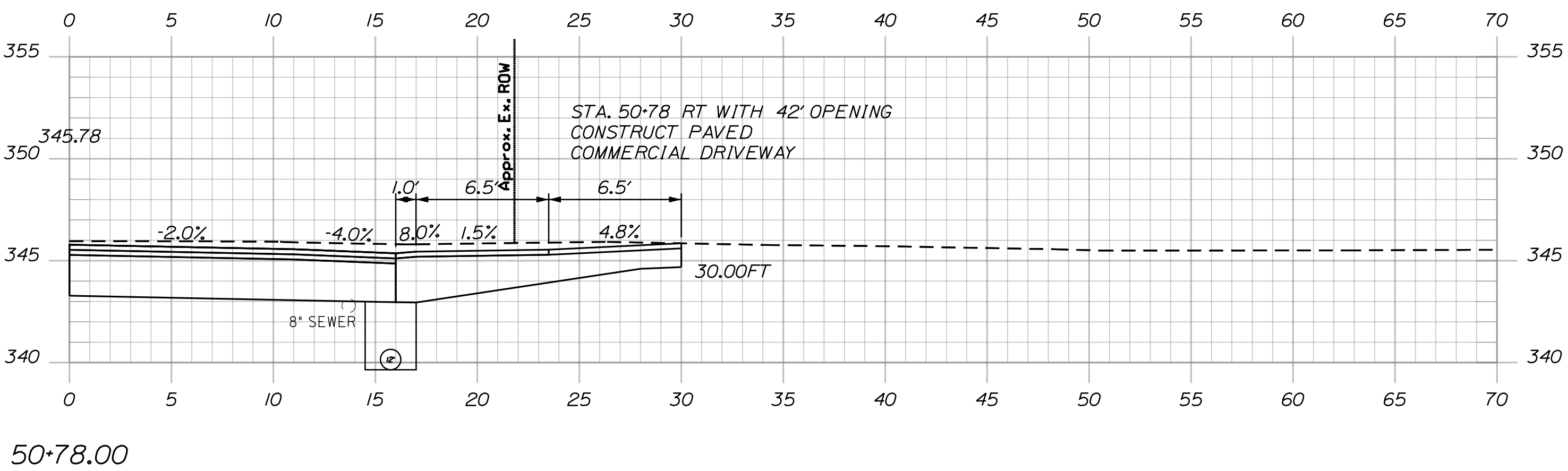
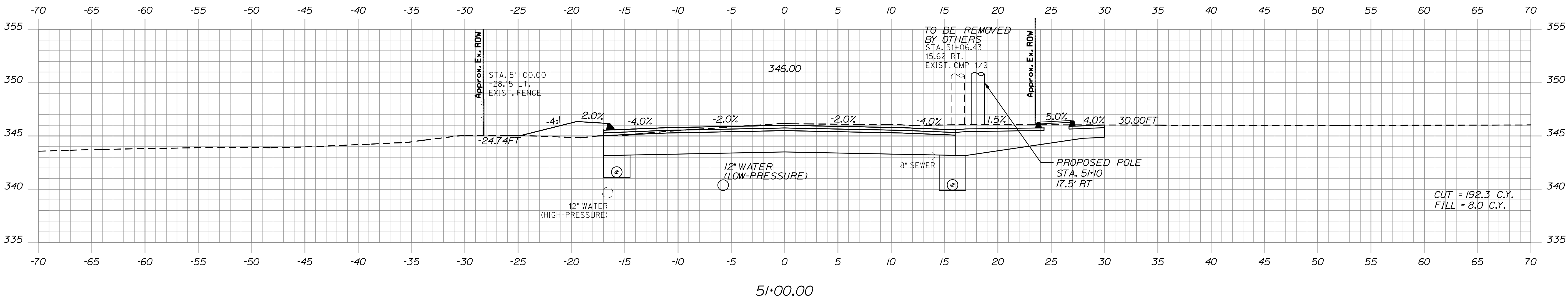
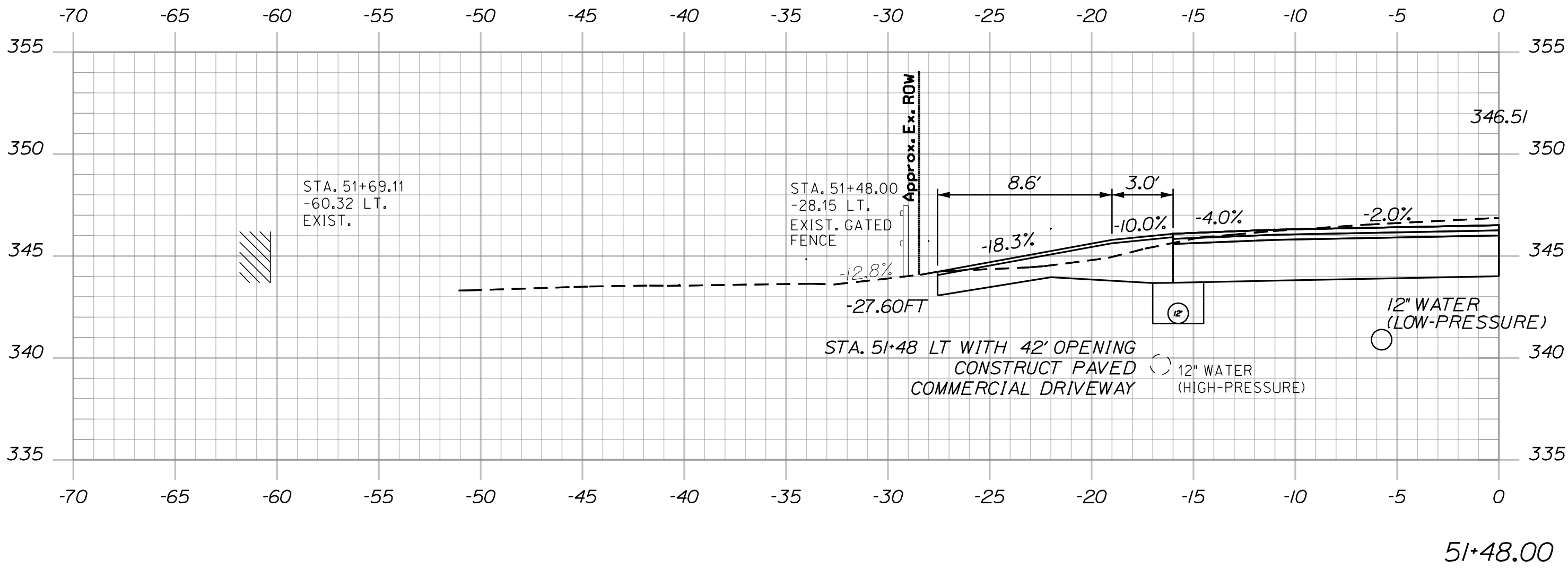
SHEET NUMBER		LIVERMORE FALLS ROUTE 17		PROJ. MANAGER		E. MARTIN		BY		DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
						T.HIGMSON		M.GROTE		3/24/26			
97		CROSS SECTIONS		DESIGN-DETAILED		T.HIGMSON		L.S.FINESCU		3/24/26		(NHPP-2264(300))	
				CHECKED-REVIEWED									
OF 135				DESIGN2-DETAILED2								SIGNATURE	
				DESIGN3-DETAILED3									
				REVISIONS 1								P.E. NUMBER	
				REVISIONS 2									
				REVISIONS 3									
				REVISIONS 4									
				FIELD CHANGES								WIN 22643.00	
										DATE			
												HIGHWAY PLANS	

Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
		(NHPP-2264(300))	
		WIN	HIGHWAY PLANS
		22643.00	
LIVERMORE FALLS ROUTE 17	PROJ. MANAGER	BY	DATE
	DESIGN-DETAILED	E. MARTIN	3/24/26
	CHECKED-REVIEWED	T. HIGGINS	M. GROTE
	DESIGN-DETAILED	T. HIGGINS	L. SINTESCU
CROSS SECTIONS	DESIGN-DETAILED		SIGNATURE
	REVISIONS 1		P.E. NUMBER
	REVISIONS 2		DATE
	REVISIONS 3		
SHEET NUMBER			
98			
OF 135			

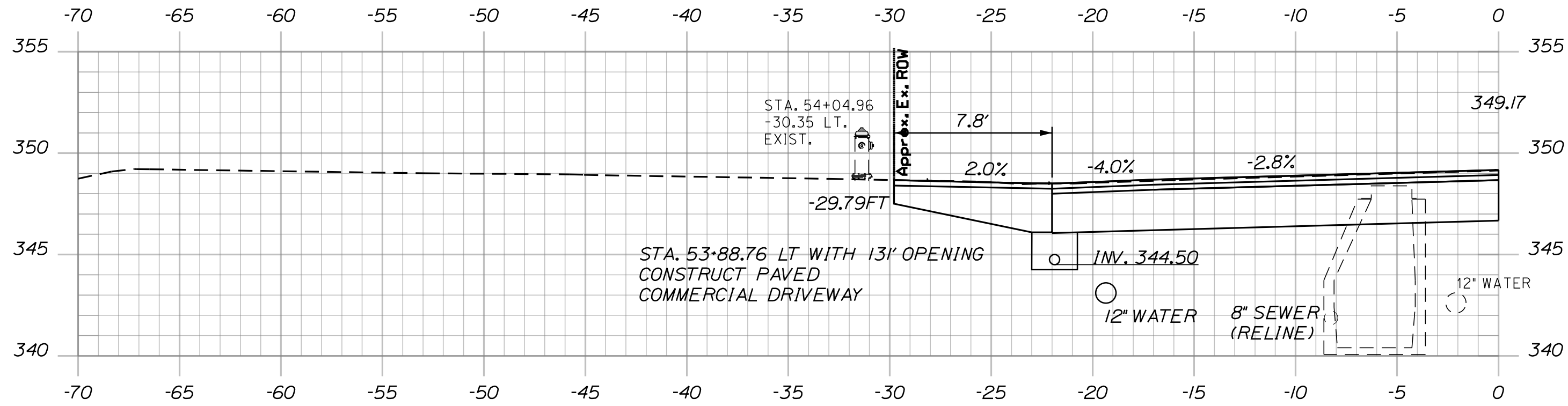


Date:6/30/2026

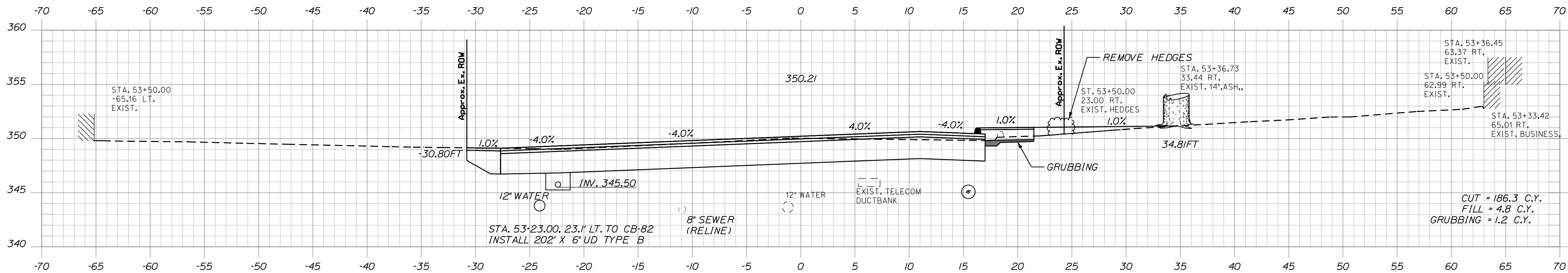
Username:

Division:

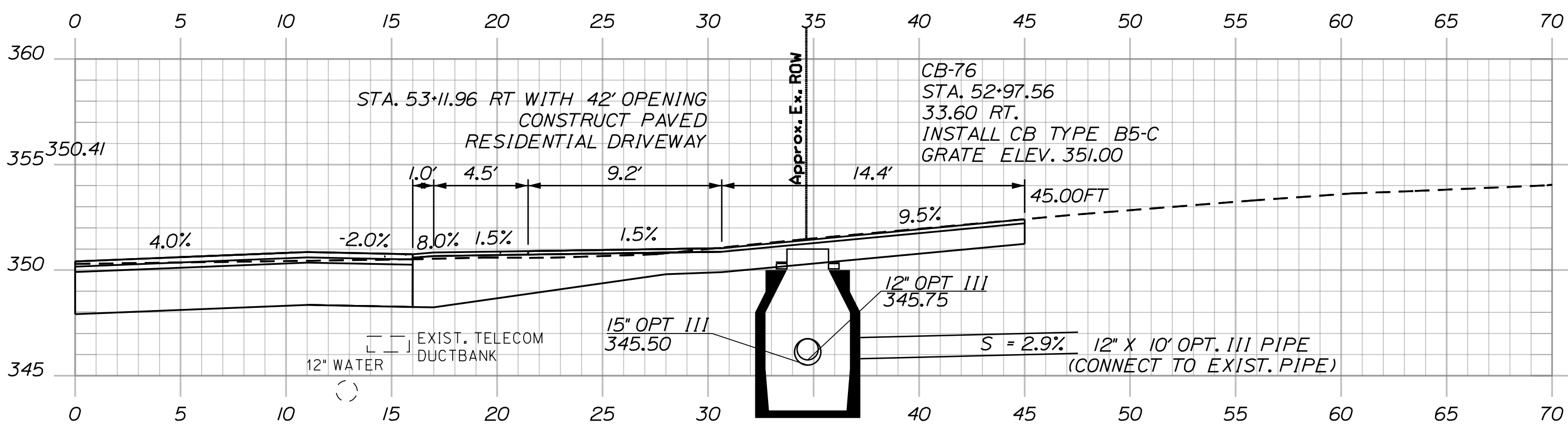
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53+88.76



53+50.00



53+11.93

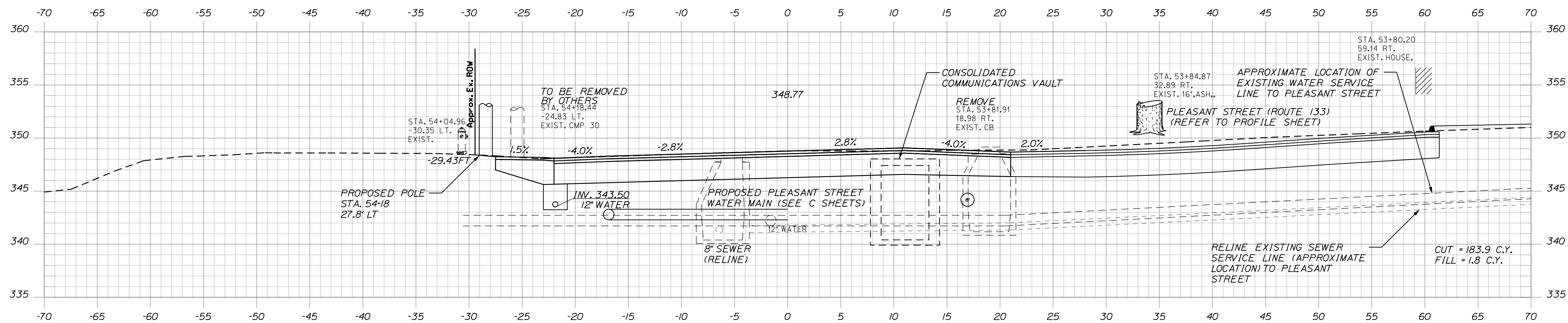
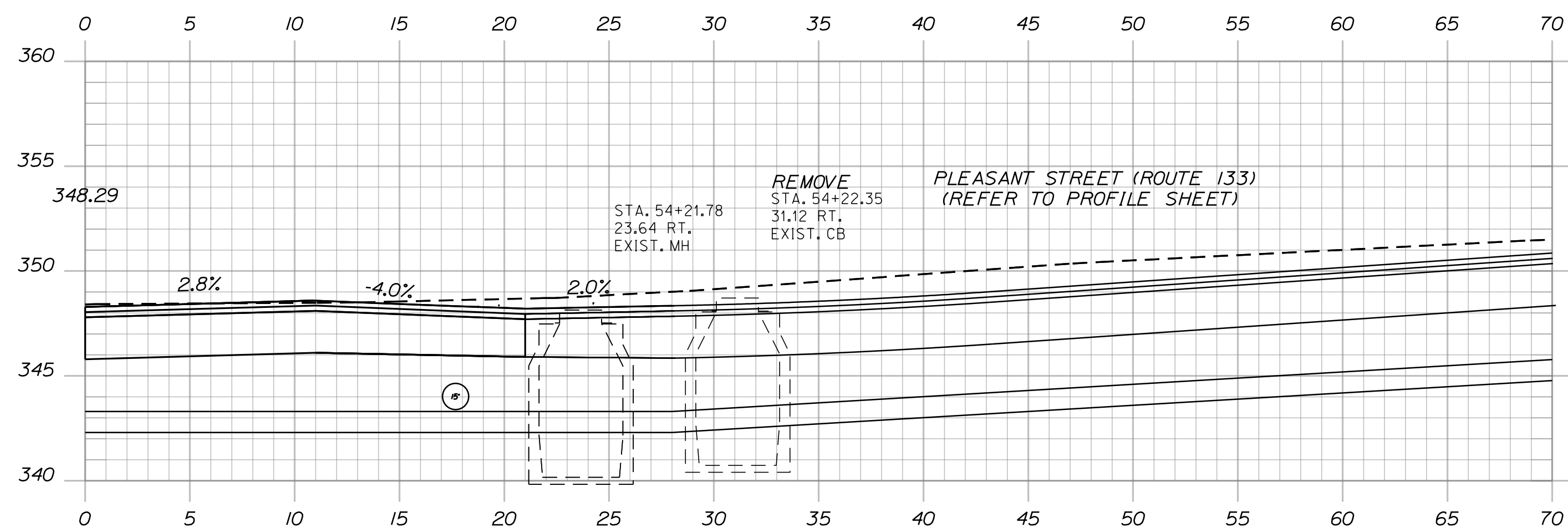
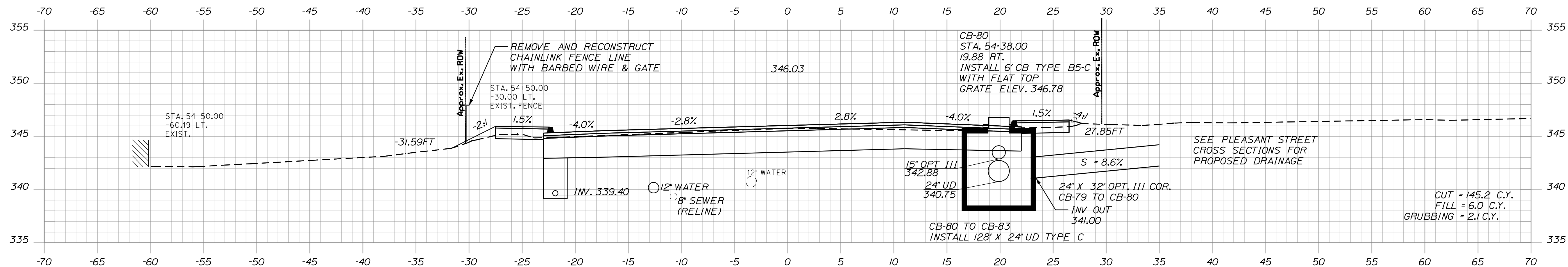
CB-76 TO CB-80
INSTALL 154' X 15" OPT. III CURVILINEAR PIPE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	M. GROTE	DATE	3/24/26
DESIGN DETAIL	L. HIGGINS	CHECKED/REVISED	L. HIGGINS	SIGNATURE	
DESIGN DETAIL	L. HIGGINS	REVISIONS 1		P.E. NUMBER	
REVISIONS 2		REVISIONS 3		DATE	
REVISIONS 4		FIELD CHANGES			

LIVERMORE FALLS ROUTE 17
CROSS SECTIONS

SHEET NUMBER
101
OF 135



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
(NHPP-2264(300))	
WIN	HIGHWAY PLANS
22643.00	

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	T. HIGGINSON	MGROTE	3/24/26
CHECKED-REVIEWED	T. HIGGINSON	L. SINFEE SCL	3/24/26
DESIGNED-DETAILED02			
DESIGN3-DETAILED03			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
P.E. NUMBER			
DATE			

LIVERMORE FALLS ROUTE 17 CROSS SECTIONS

SHEET NUMBER

102

OF 135

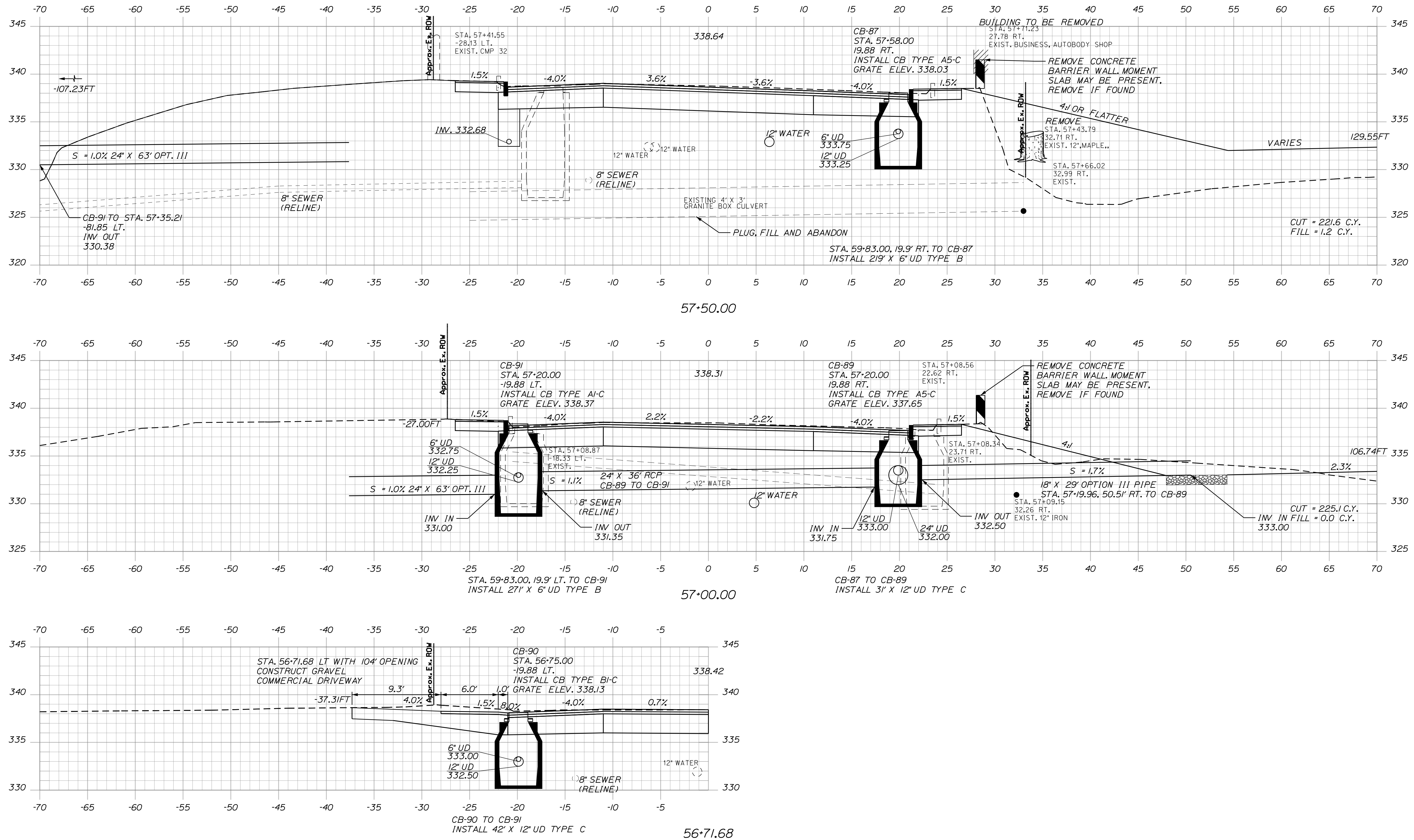
Sta. 54+00.00 to Sta. 54+50.00

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



LIVERMORE FALLS ROUTE 17 CROSS SECTIONS	SHEET NUMBER				STATE OF MAINE DEPARTMENT OF TRANSPORTATION (NHPP-2264(300)) WIN 226643.00 HIGHWAY PLANS				
	PROJ. MANAGER	E. MARTIN	BY	DATE	SIGNATURE				
	DESIGN-DETAILED	T. HIGGINS	M. GROTE	3/24/26					
	CHECKED-REVIEWED	T. HIGGINS	L. SPINELLI	3/24/26					
	DESIGN2-DETAILED2				P.E. NUMBER				
	DESIGN3-DETAILED3								
	REVISIONS 1								
	REVISIONS 2				DATE				
	REVISIONS 3								
	REVISIONS 4								
FIELD CHANGES									

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
(NHPP-2264(300))	
WIN	
22643.00	HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	M. GROTE	DATE
DESIGN-DET. TAILED	I.HIGSONSON	3/24/76	SIGNATURE
CHECKED-REVIEWED	I.HIGSONSON	3/24/76	
DESIGN2-Detailed2			
DESIGN3-Detailed3			P.E. NUMBER
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

LIVERMORE FALLS ROUTE 17

CROSS SECTIONS

SHEET NUMBER

105

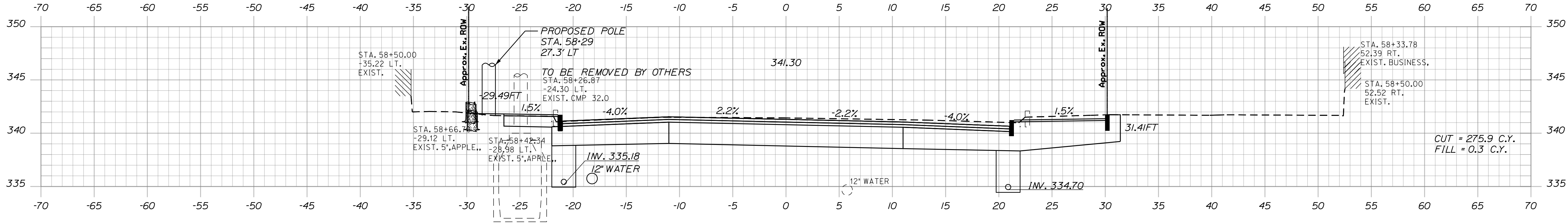
OF 135

Date:6/30/2026

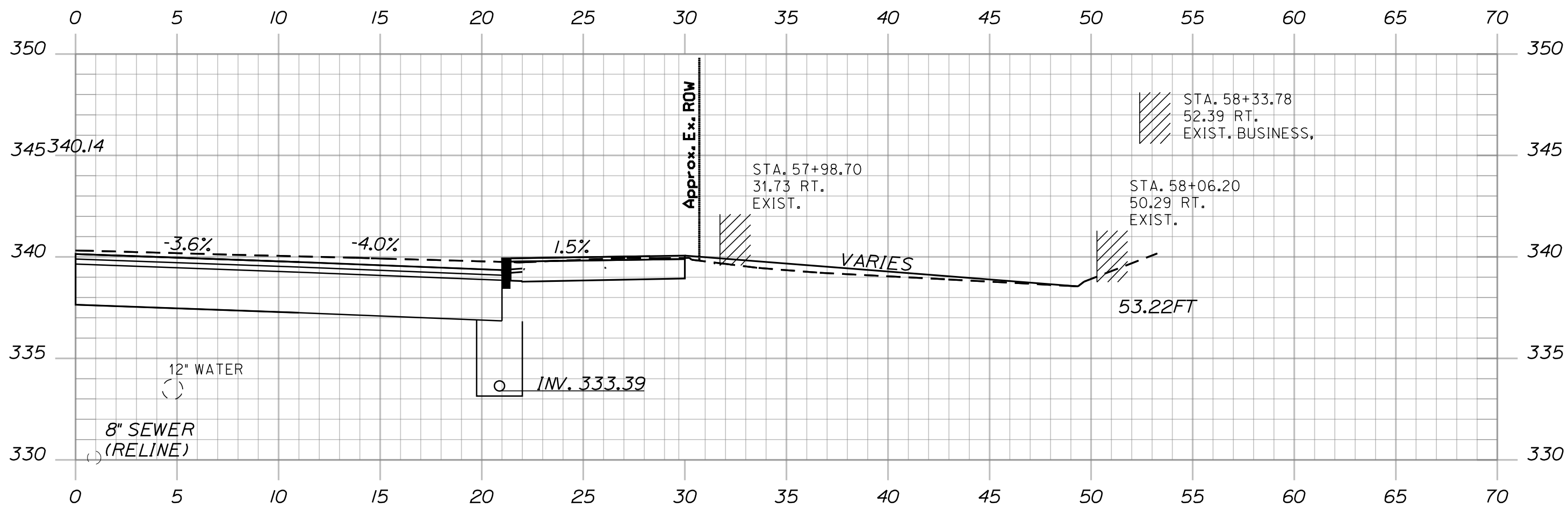
Username:

Division:

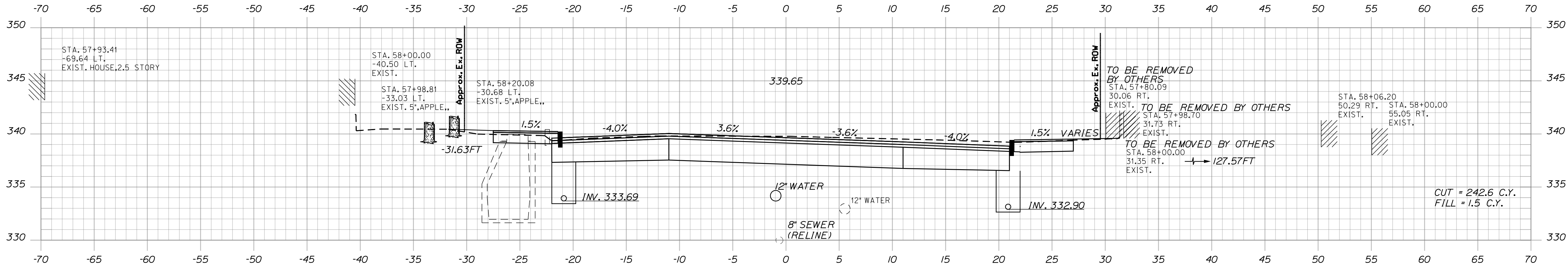
Filename: ...\\HIGHWAY\\MSTAD050_Xsect.dgn



58+50.00



58+17.00



58+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. SPINALE	DATE	3/24/26
DESIGN DETAIL	L. HIGSON	MCROTE	L. SPINALE	SIGNATURE	
CHECKED/REVISED	L. HIGSON			P.E. NUMBER	
DESIGN DETAIL				DATE	
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

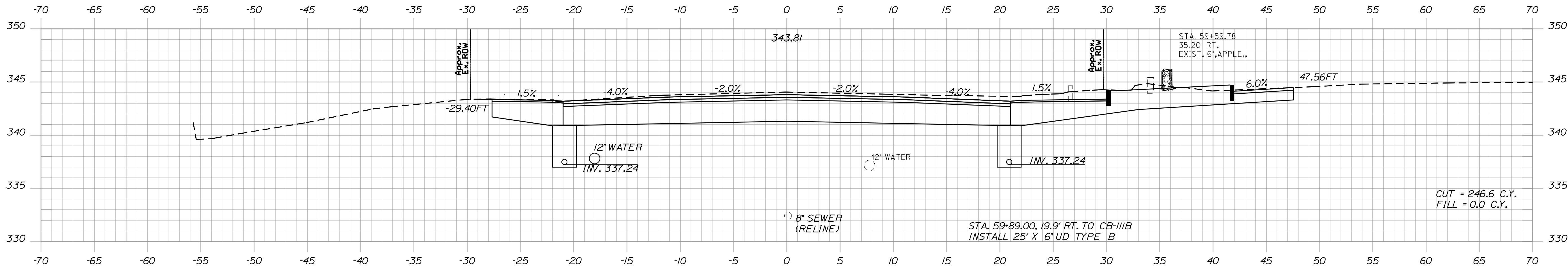
SHEET NUMBER
106
OF 135

Date:6/30/2026

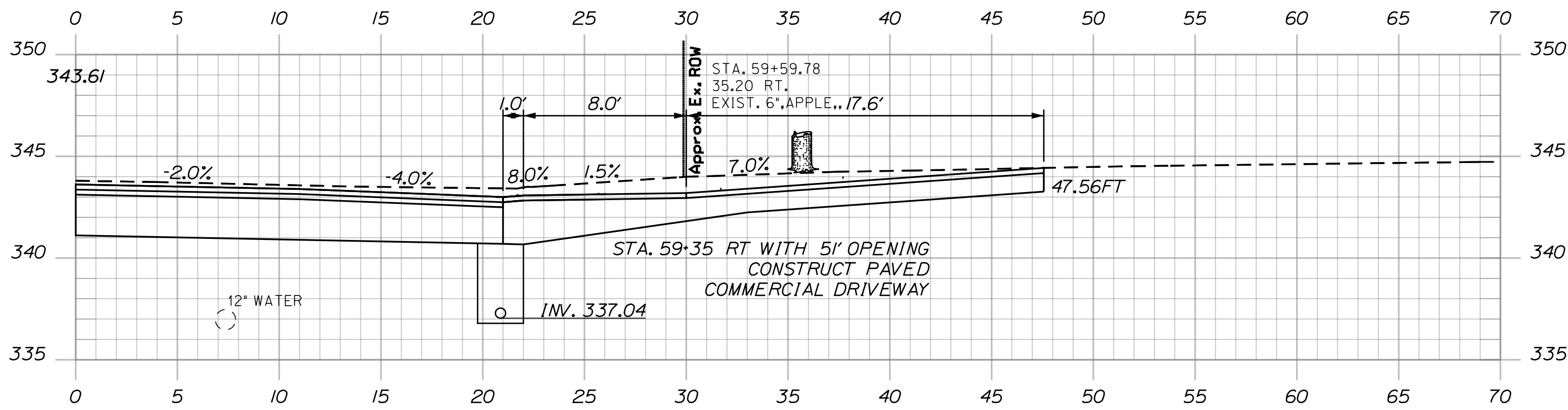
Username:

Division:

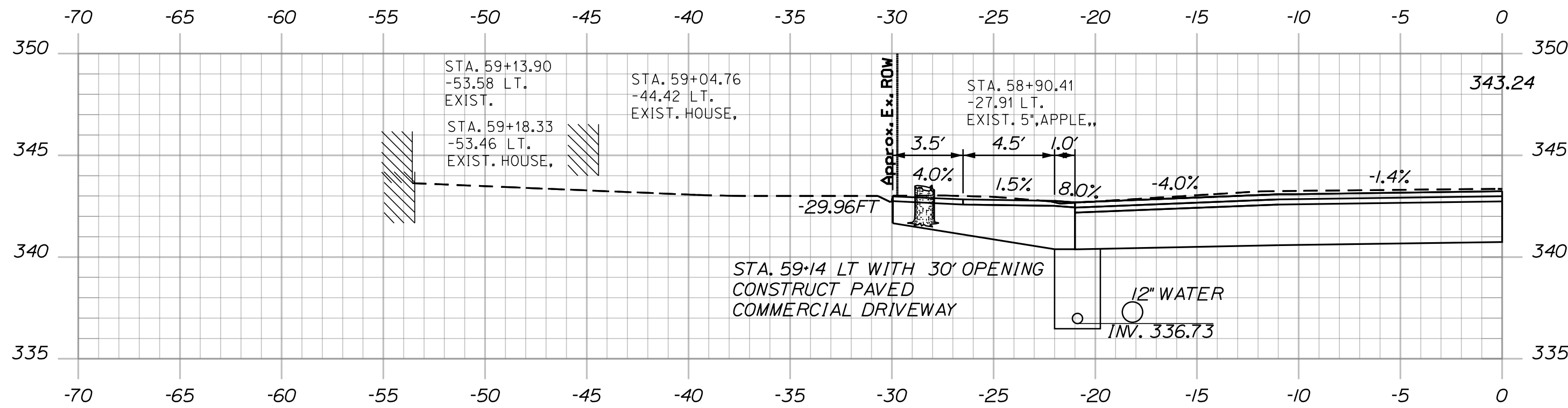
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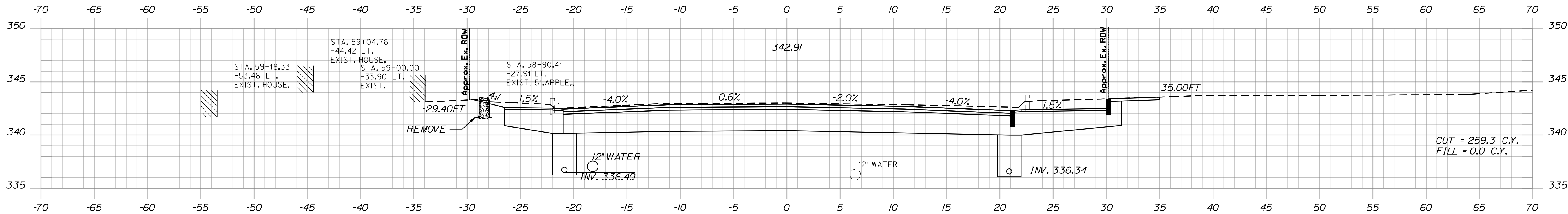
59+50.00



59+35.00



59+14.00



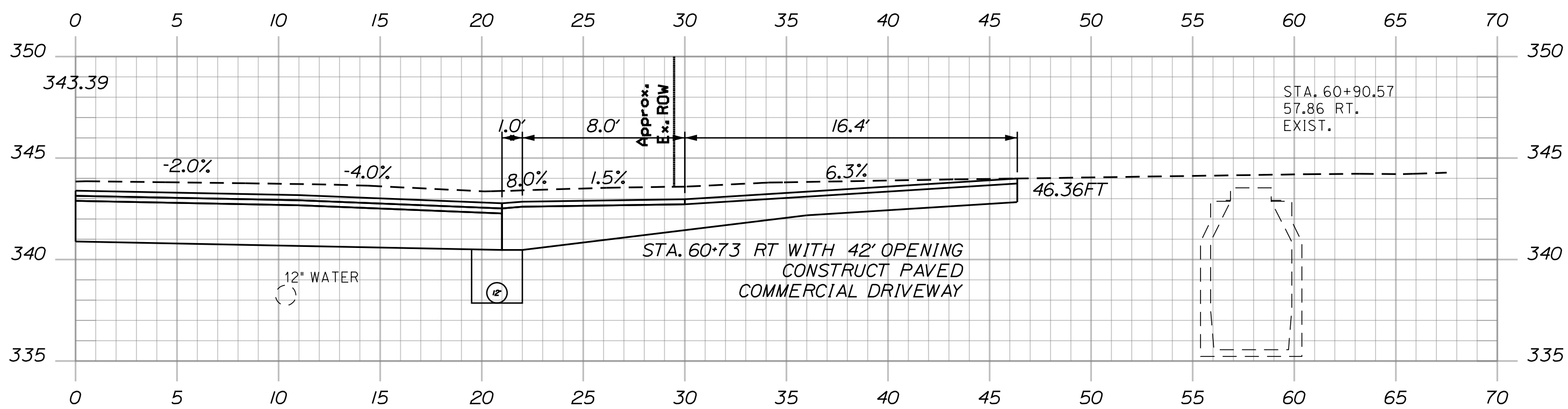
59+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. SPINELLI	DATE	3/24/26
DESIGN-DETAILED	L. SPINELLI	CHECKED-REVIEWED	L. SPINELLI	SIGNATURE	
DESIGN-DETAILED		CHECKED-REVIEWED		P.E. NUMBER	
DESIGN-DETAILED		CHECKED-REVIEWED		DATE	
DESIGN-DETAILED		CHECKED-REVIEWED			
DESIGN-DETAILED		CHECKED-REVIEWED			
DESIGN-DETAILED		CHECKED-REVIEWED			
DESIGN-DETAILED		CHECKED-REVIEWED			
DESIGN-DETAILED		CHECKED-REVIEWED			
DESIGN-DETAILED		CHECKED-REVIEWED			

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
107
OF 135

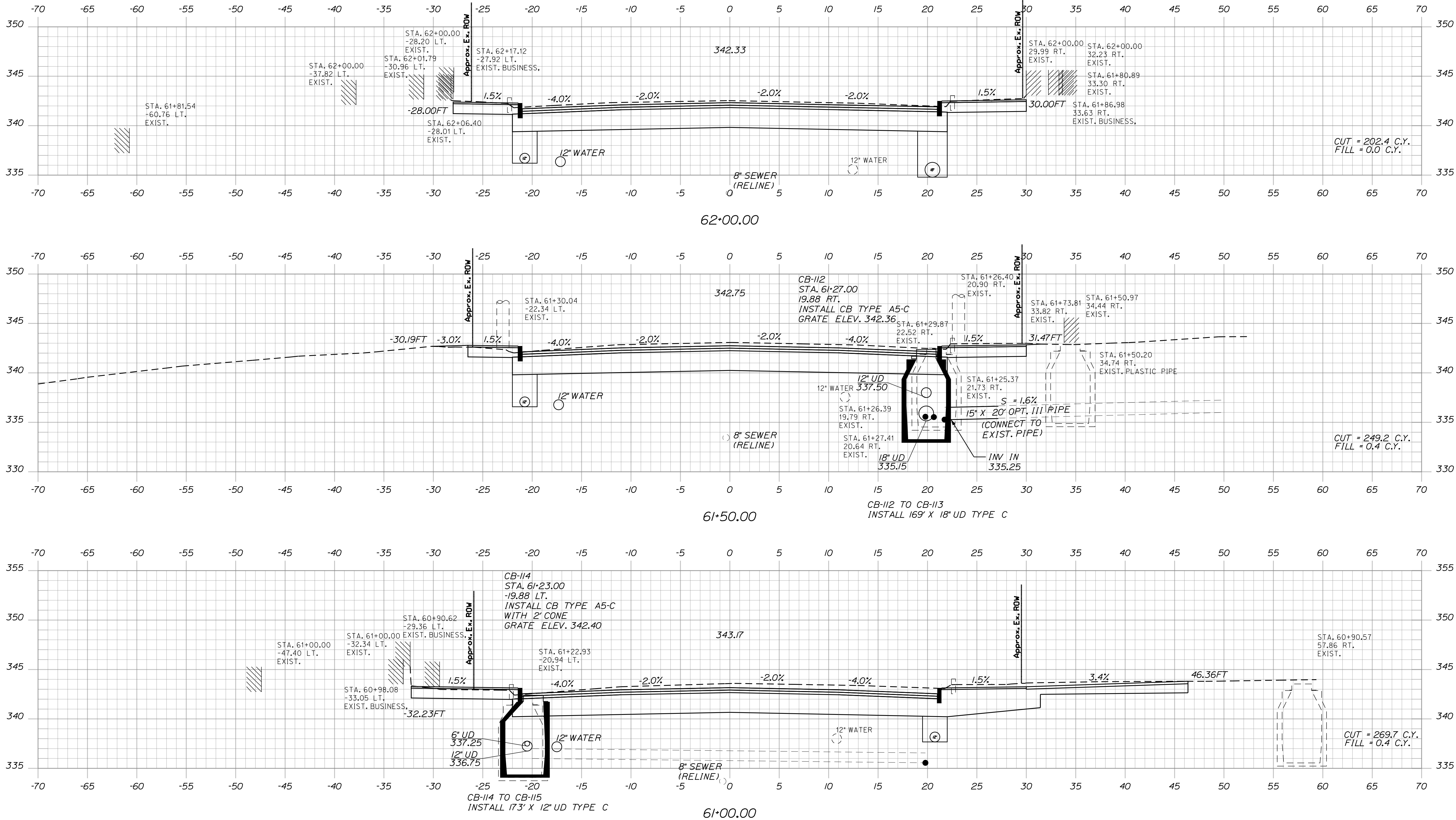


Date:6/30/2026

Username:

Division:

Filenam: ...\\HIGHWAY\\MSTA050_Xsect.dgn



Sta. 61+00.00 to Sta. 62+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN DETAIL	L. HIGGINS	DATE	3/24/26
CHECKED/REVIEWED	L. HIGGINS	DATE	3/24/26
DESIGN DETAIL		DATE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

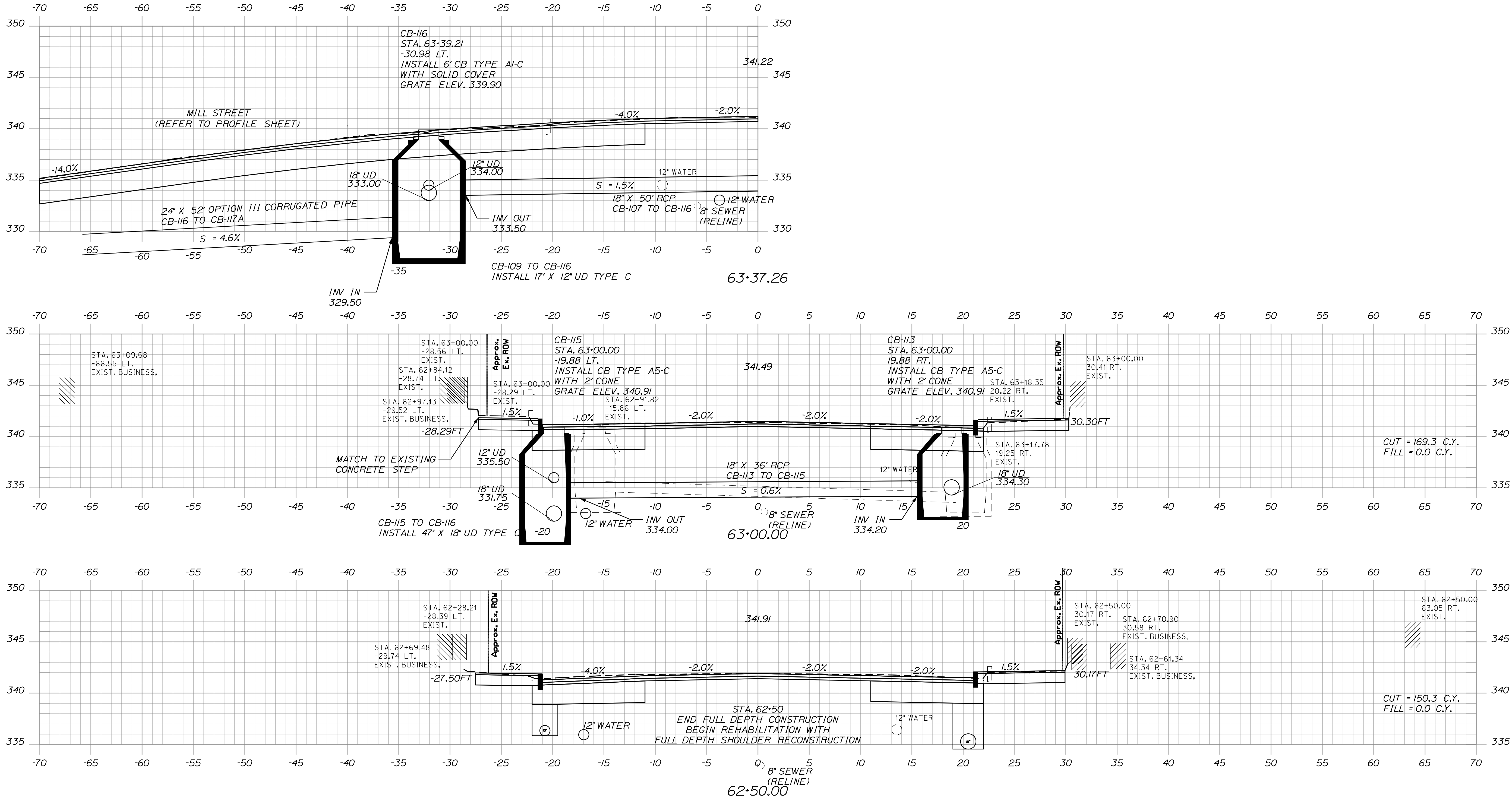
SHEET NUMBER
109
OF 135

Date:6/30/2026

Username:

Division:

Filename: ...\\HIGHWAY\\MSTAD050_Xsect.dgn

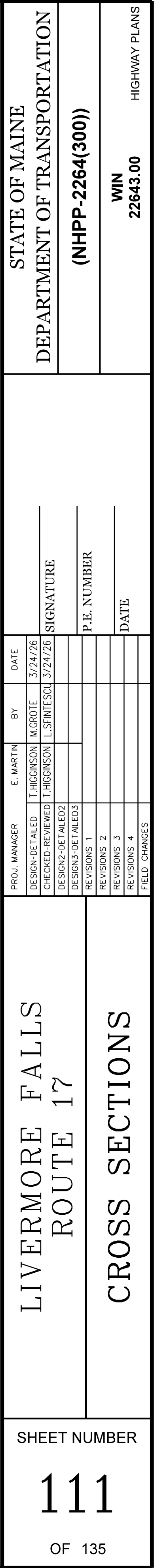


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	SIGNATURE
E. MARTIN	L. HICKEY	L. HICKEY	3/24/26	L. HICKEY	3/24/26	
	DESIGN-DETAILED					
	REVISIONS 1					
	REVISIONS 2					
	REVISIONS 3					
	REVISIONS 4					
	FIELD CHANGES					

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
110
OF 135

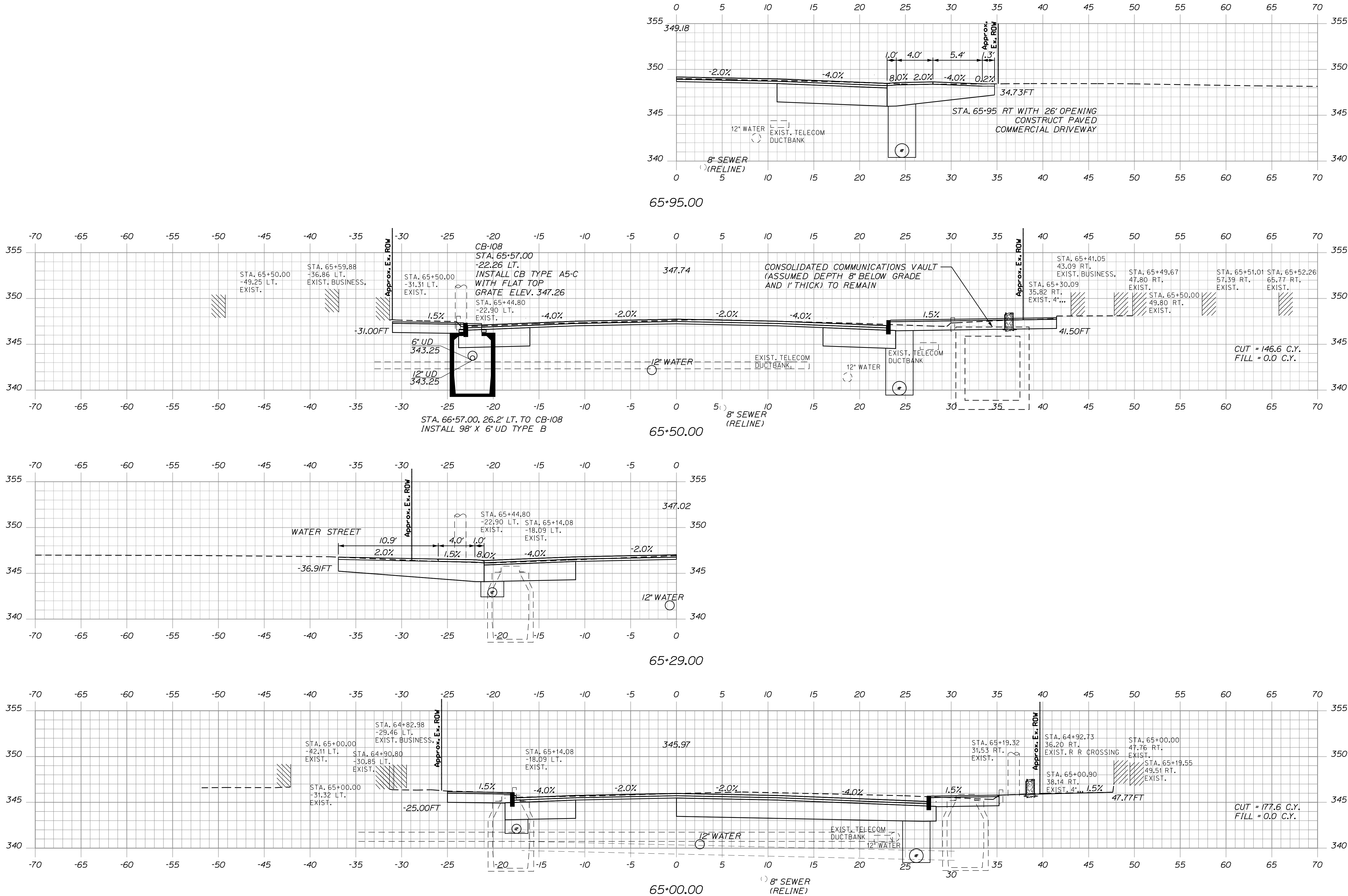


Date:6/30/2026

Username:

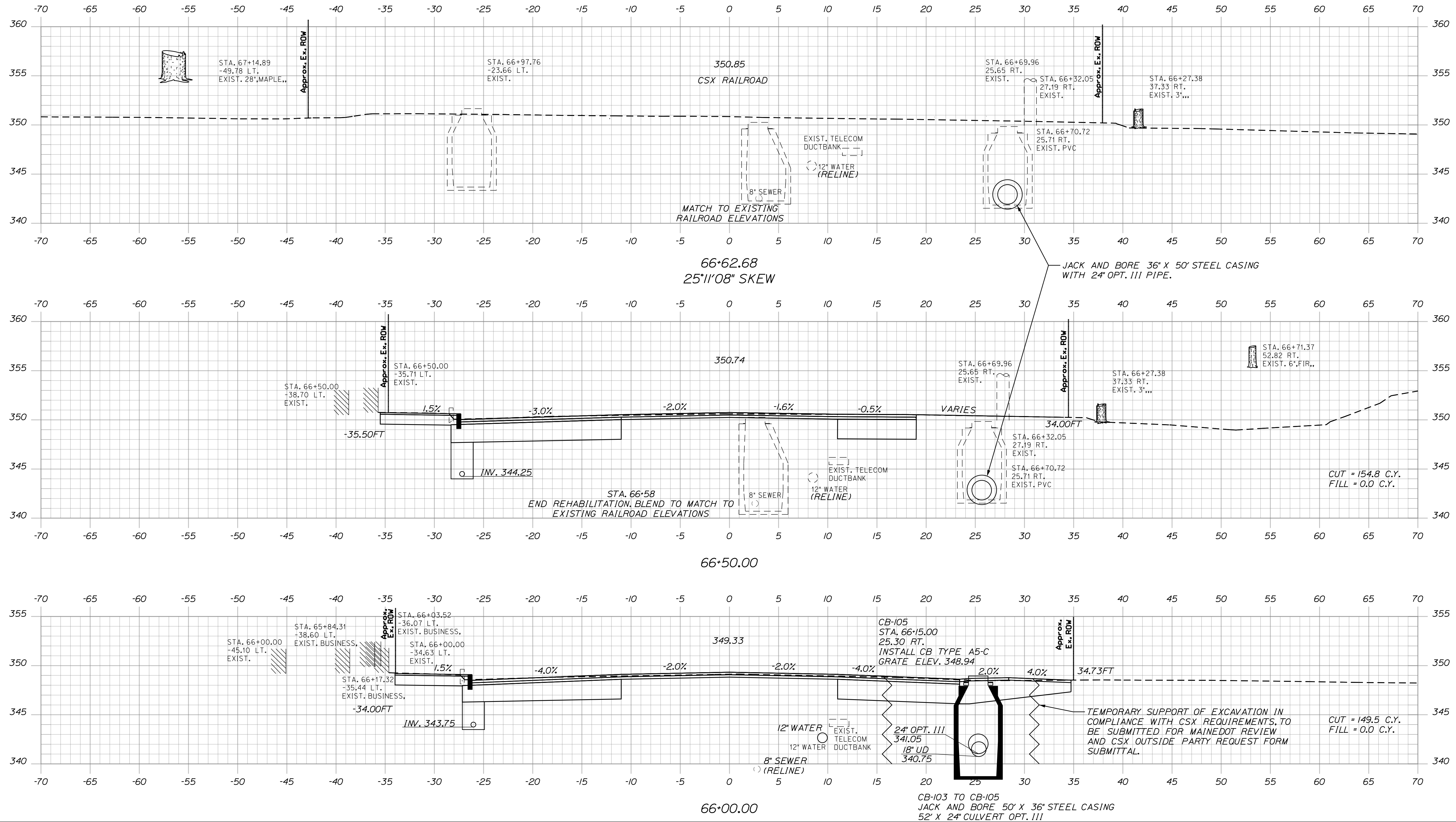
Division:

Filename: ...\\HIGHWAY\\MSTA050_Xsect.dgn



PROJ. MANAGER	E. MARTIN	BY	DATE	SIGNATURE
DESIGN DETAIL	L. HICKEY	L. HICKEY	3/24/26	
CHECKED/REVISED	L. HICKEY	L. HICKEY	3/24/26	
DESIGN DETAIL				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

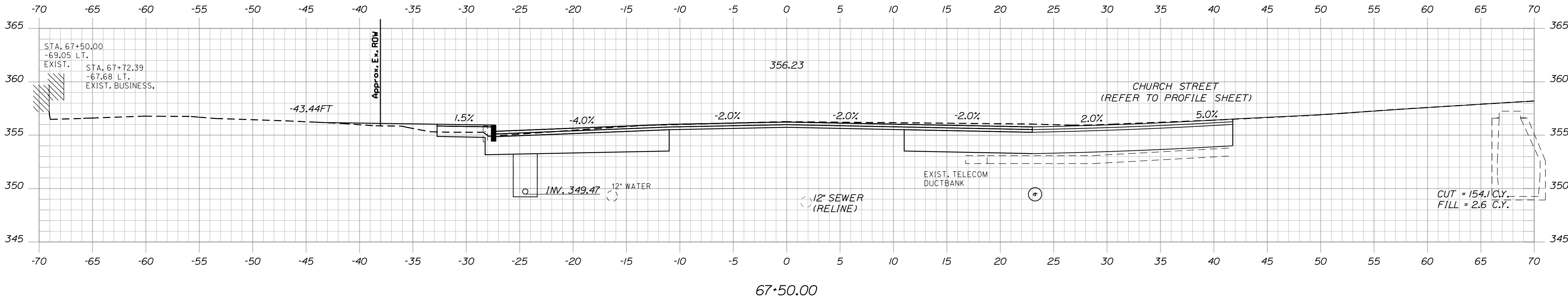


Date:6/30/2026

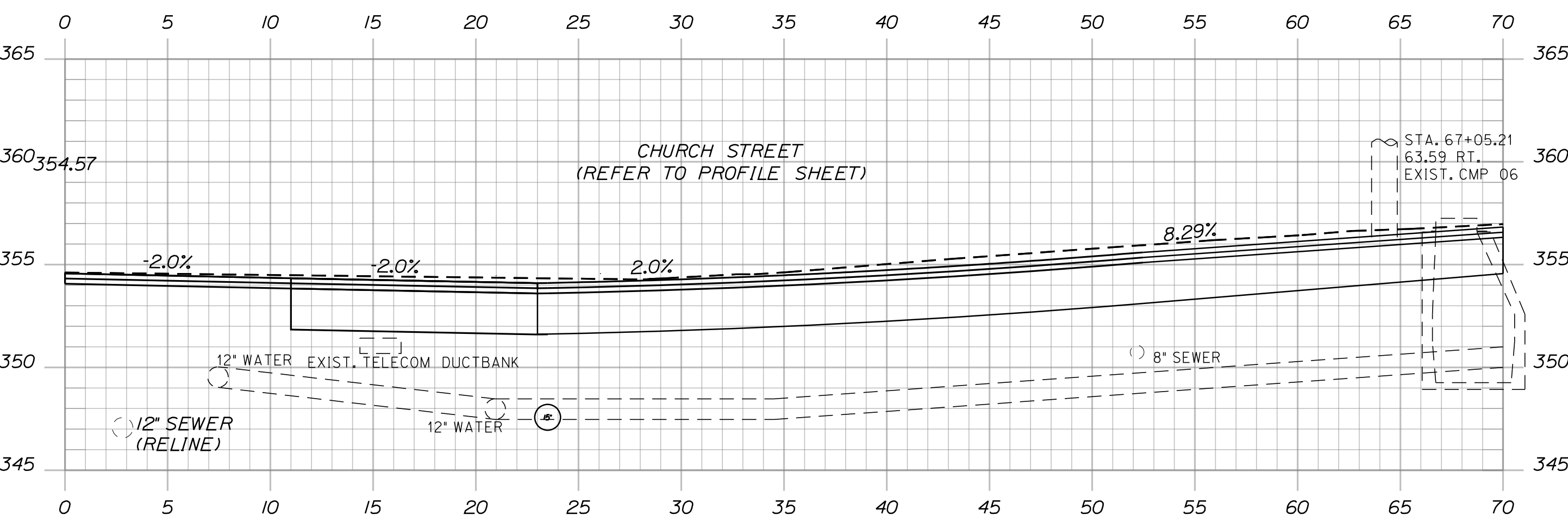
Username:

Division:

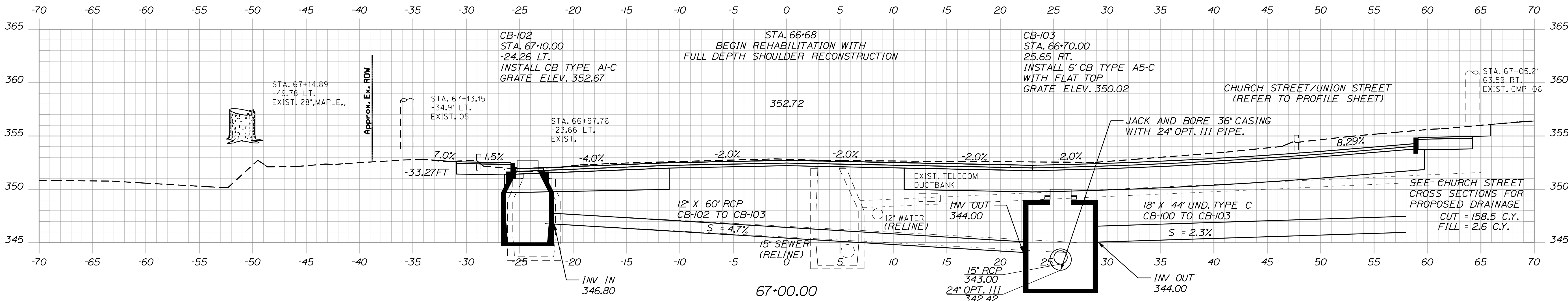
Filename: ...\\HIGHWAY\\MSTA050_Xsect.dgn



67+50.00



67+25.00



67+00.00

STA. 68+00.00, 24.52' LT. TO CB-102
INSTALL 89' X 6' UD TYPE B

CB-101 TO CB-103
INSTALL 115' X 15' RCP

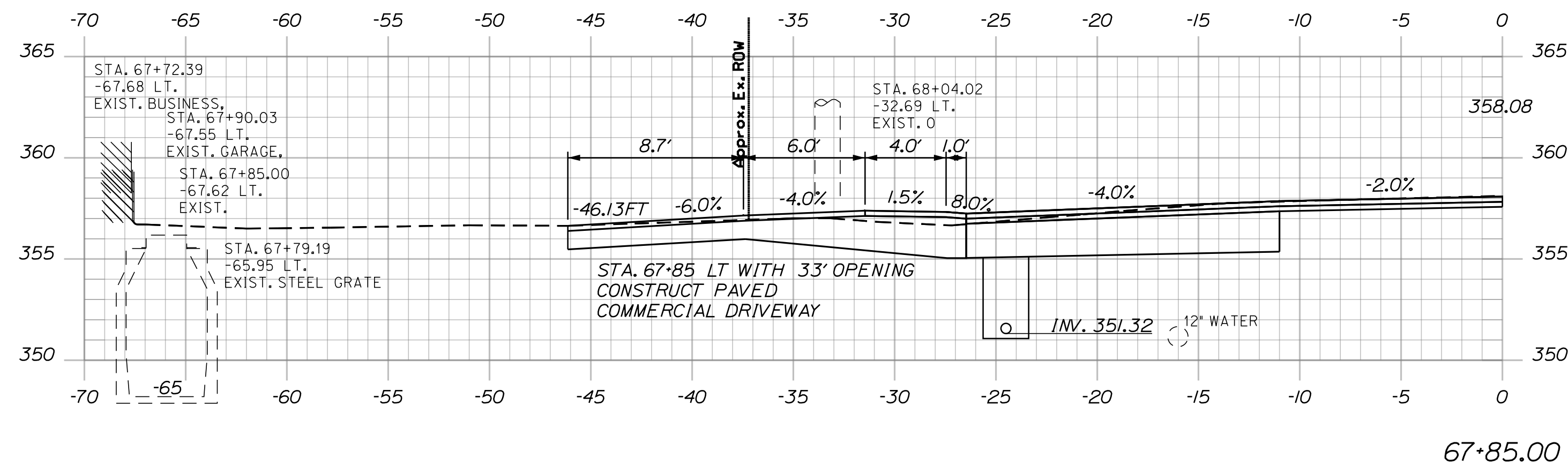
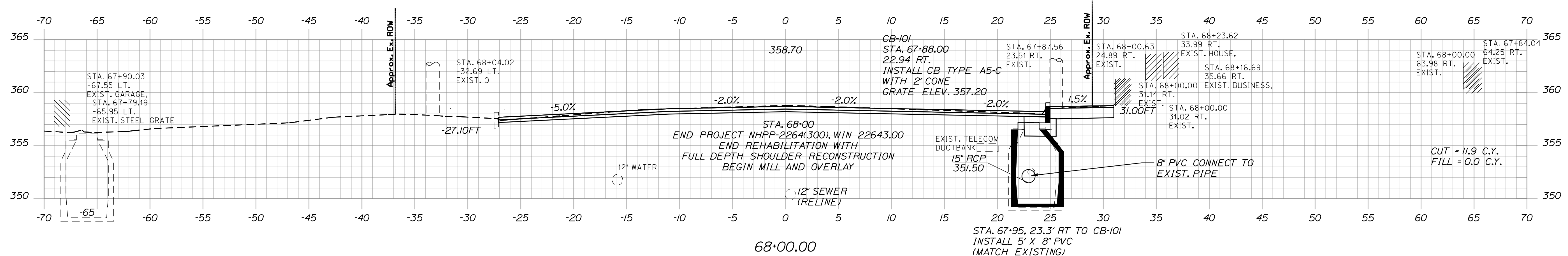
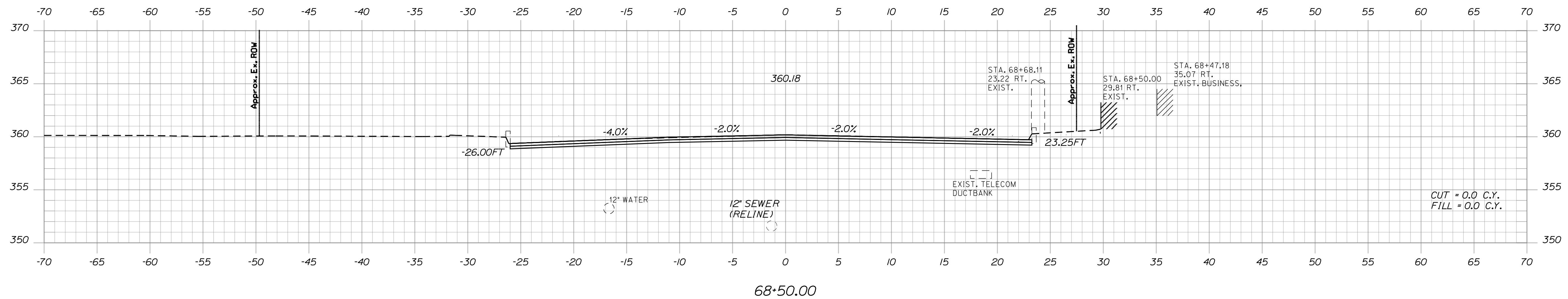
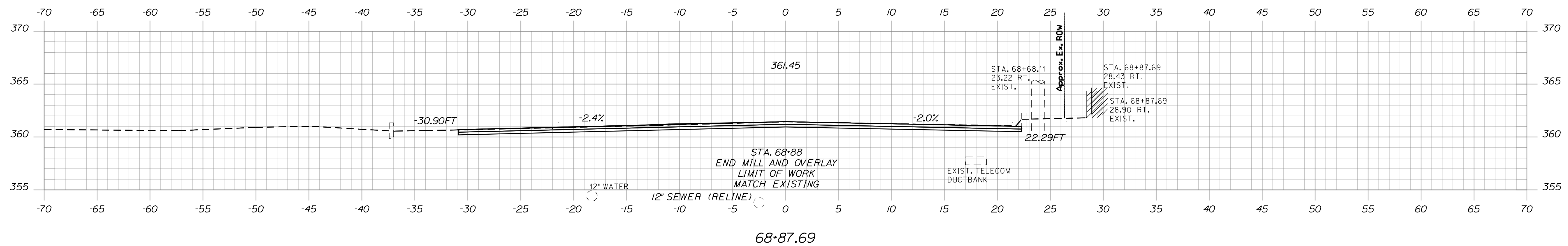
Sta. 67+00.00 to Sta. 67+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))
WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	L. SPINALE	DATE	3/24/26
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	SIGNATURE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	P.E. NUMBER	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	
DESIGN DETAIL	L. SPINALE	CHECKED	L. SPINALE	DATE	

LIVERMORE FALLS
ROUTE 17
CROSS SECTIONS

SHEET NUMBER
114
OF 135



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHPP-2264(300))

WIN
\$643.00
HIGHWAY PLANS

HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	M. GROTE	DATE
DESIGN-DETAILED	THIGONSON	3/24/76	SIGNATURE
CHECKED-REVIEWED	THIGONSON		
DESIGN2-DETAILED2	L.SFINITSCO	3/24/76	
DESIGN3-DETAILED3			P.E. NUMBER
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER

115

DF 135

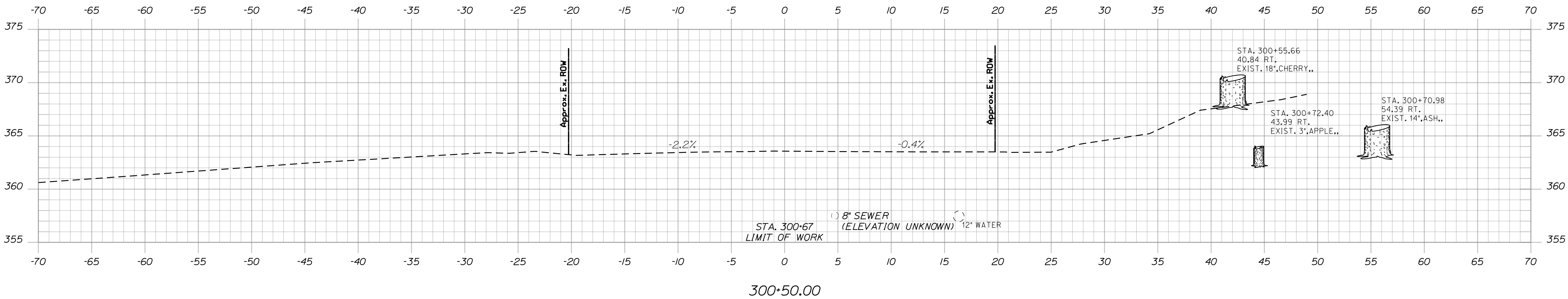
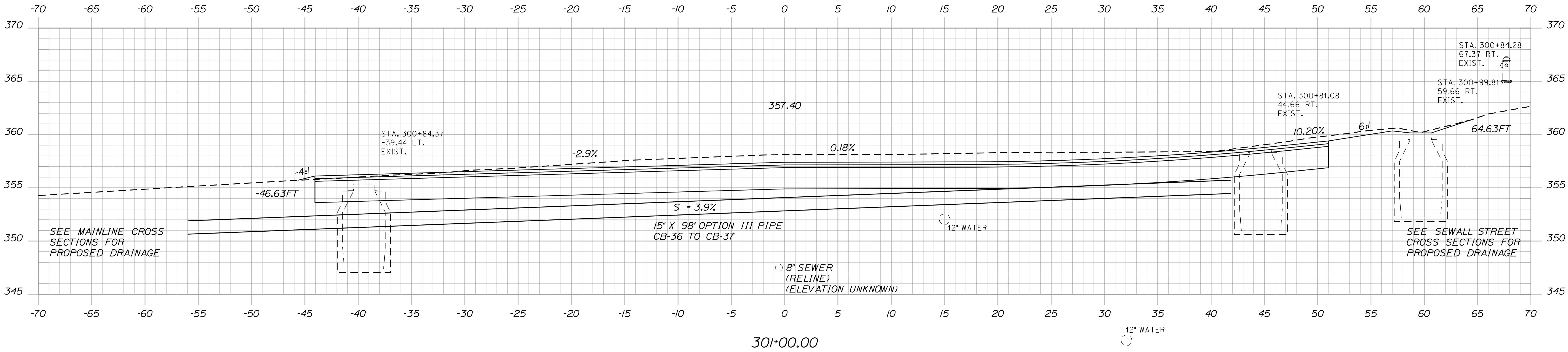
Sta. 67+85.00 to Sta. 68+87.69

Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA\050_Xsect.dgn



PROJ. MANAGER	E. MARTIN	BY	DATE	
DESIGN-DETAILED	T. HIGGINSON	M. GROTE	3/24/26	SIGNATURE
CHECKED-REVIEWED	T. HIGGINSON	L. SINTESCU	3/24/26	
DESIGN-DETAILED02				
DESIGN-DETAILED03				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				DATE
REVISIONS 4				
FIELD CHANGES				

CEDAR STREET

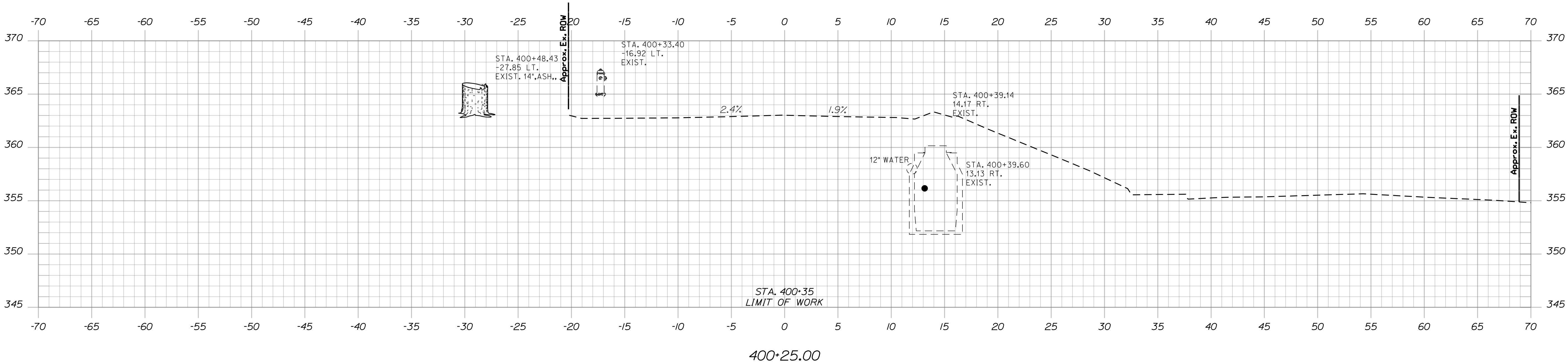
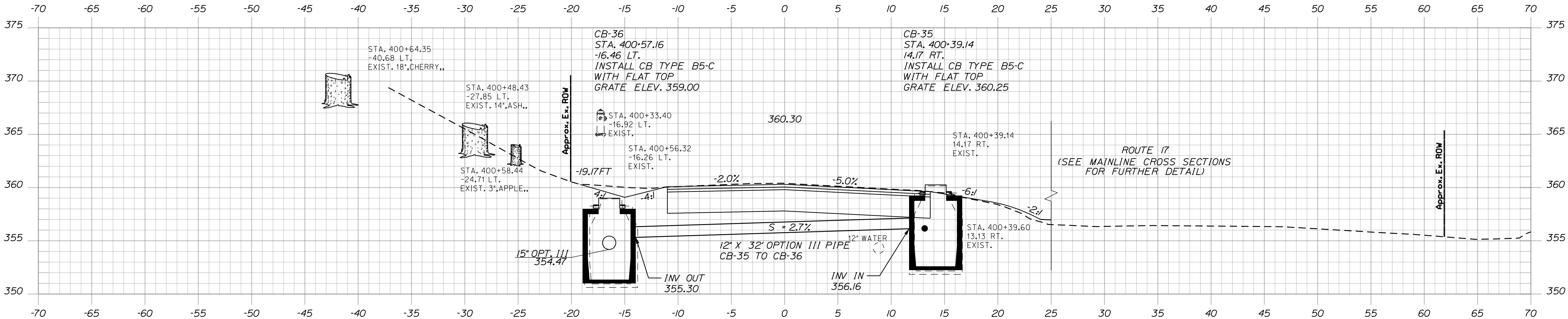
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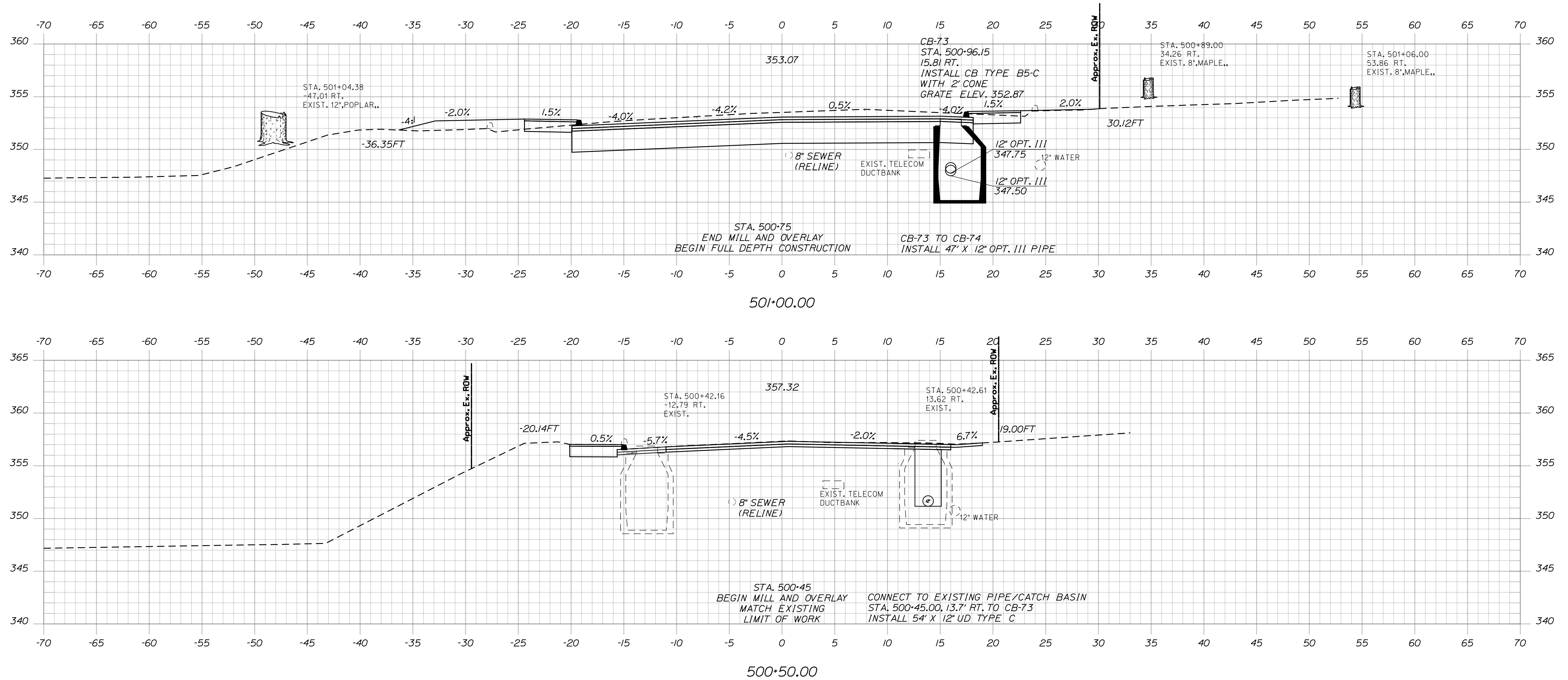
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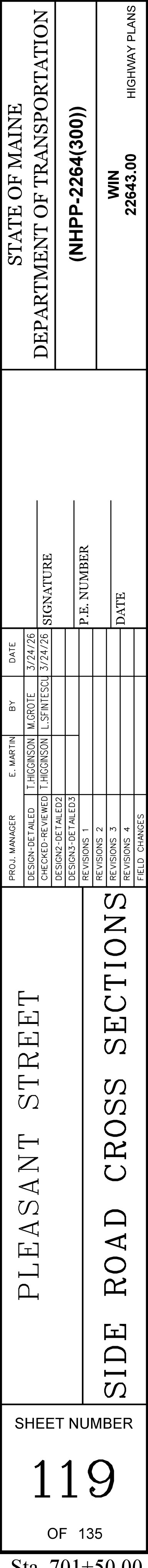
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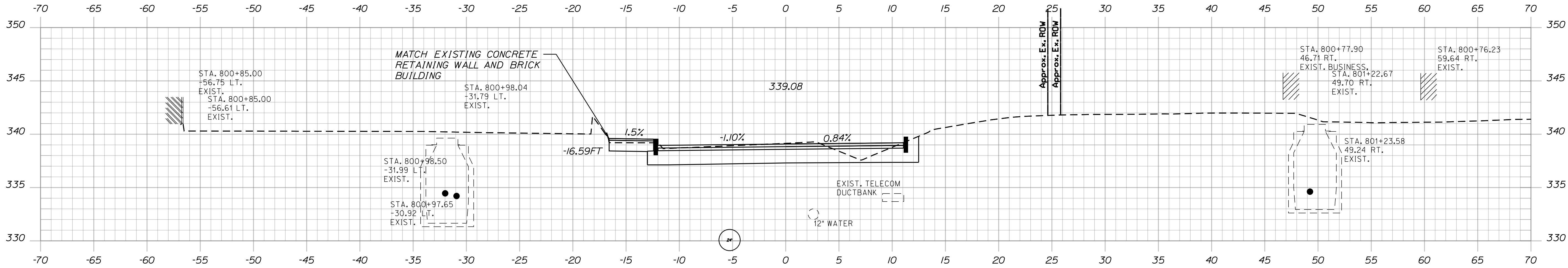


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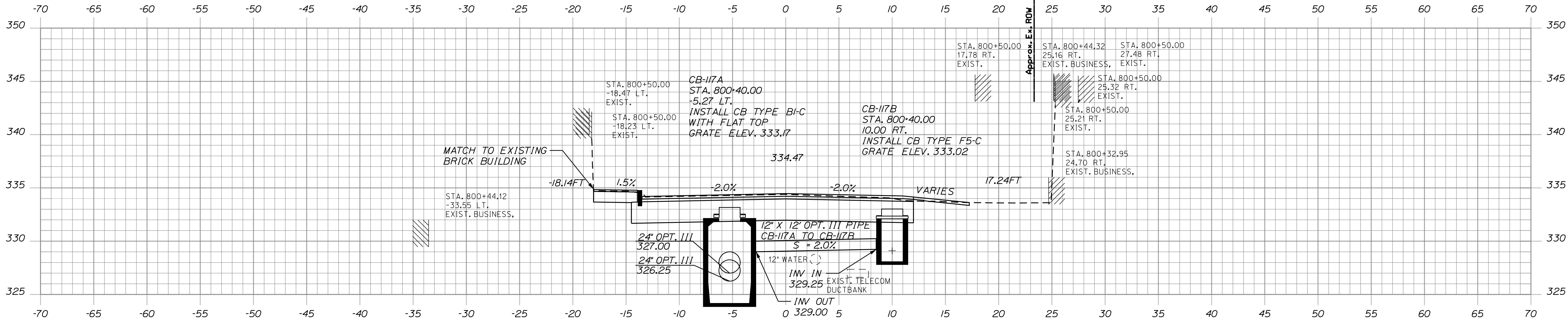
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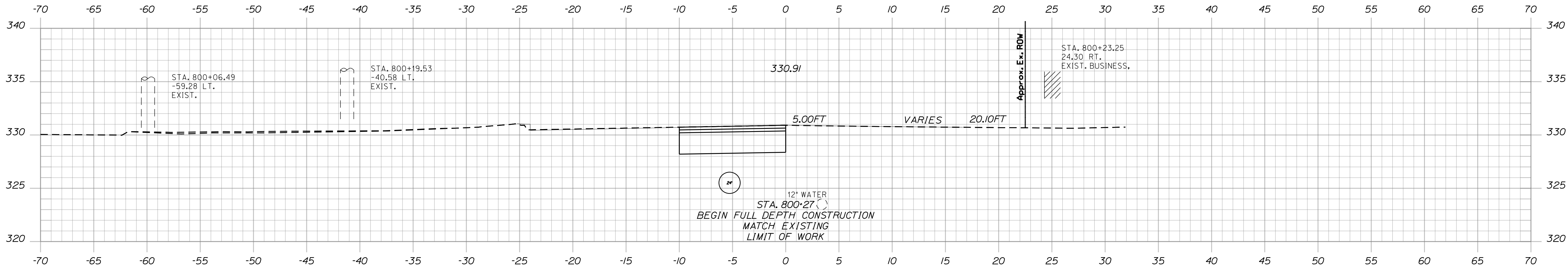
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800+85.00



800+50.00



800+00.00

PROJ. MANAGER	BY	DATE	SIGNATURE
E. MARTIN	M. GROTE	3/24/26	
CHECKED-REVIEWED	L. SWINSON	3/24/26	
DESIGNED-DETAILED			
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

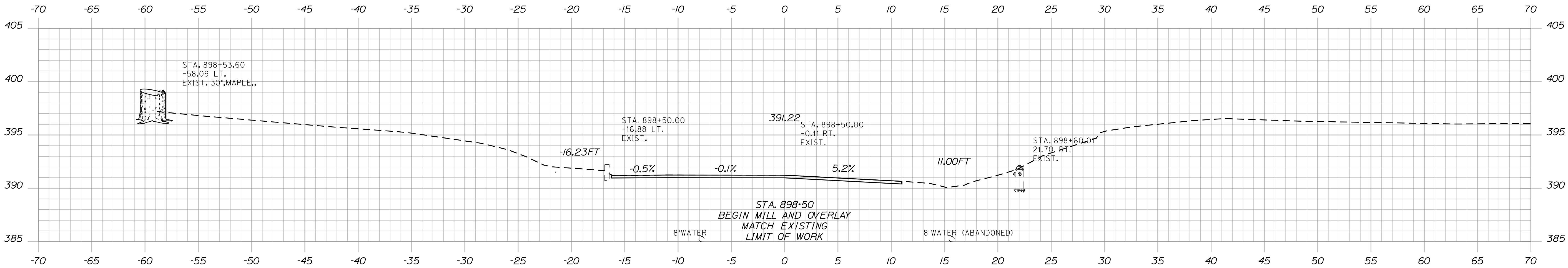
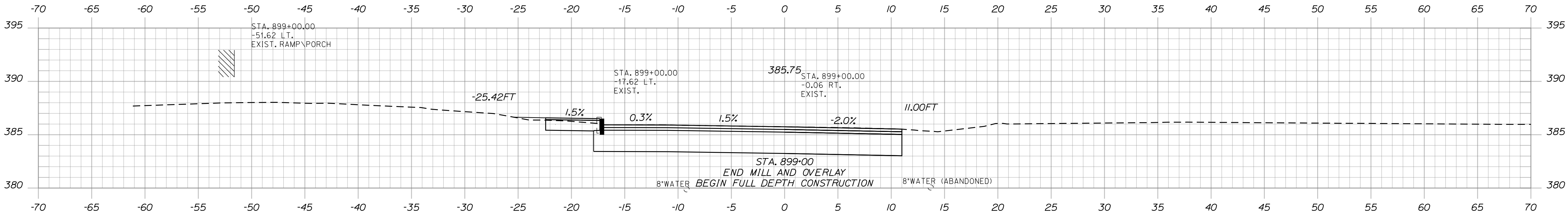
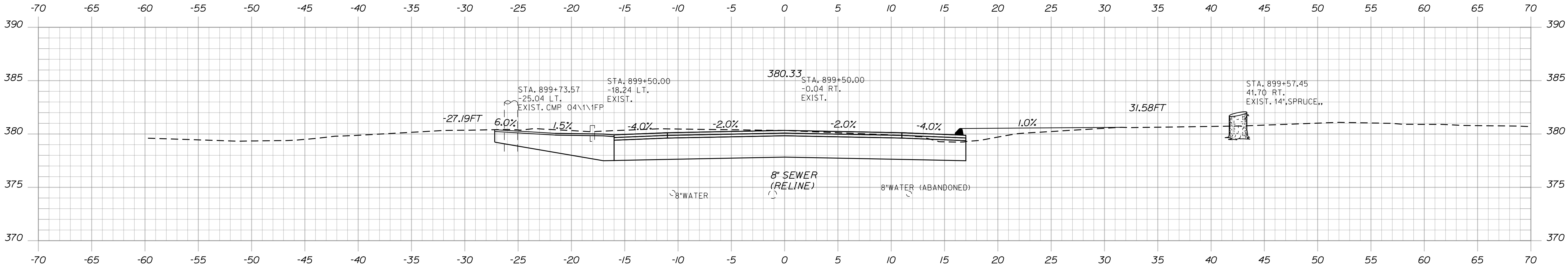
MILL STREET
SIDE ROAD CROSS SECTIONS

Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA050_Xsect.dgn



PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	E. MARTIN T. HIGGINS M. GROTE L. SINTESCU	3/24/26 3/24/26			

CHURCH STREET

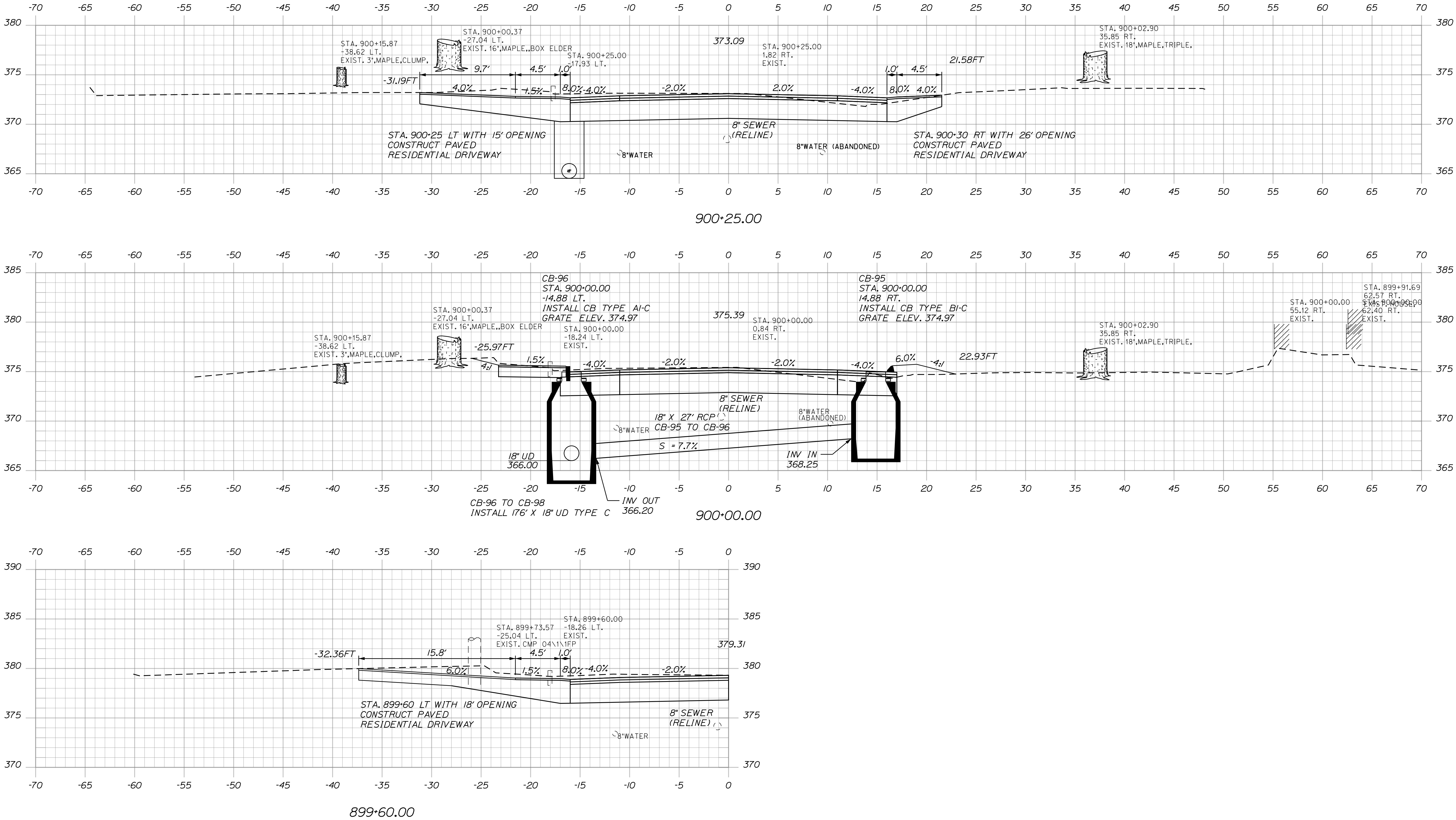
SIDE ROAD CROSS SECTIONS

Date:6/30/2026

Username:

Division:

Filename: ... \HIGHWAY\MSTA050_Xsect.dgn



SIGNATURE	P.E. NUMBER	DATE
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PROJ. MANAGER	BY	DATE
E. MARTIN	M. GROTE	3/24/26
CHECKED-REVIEWED	L. SWINSON	3/24/26
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

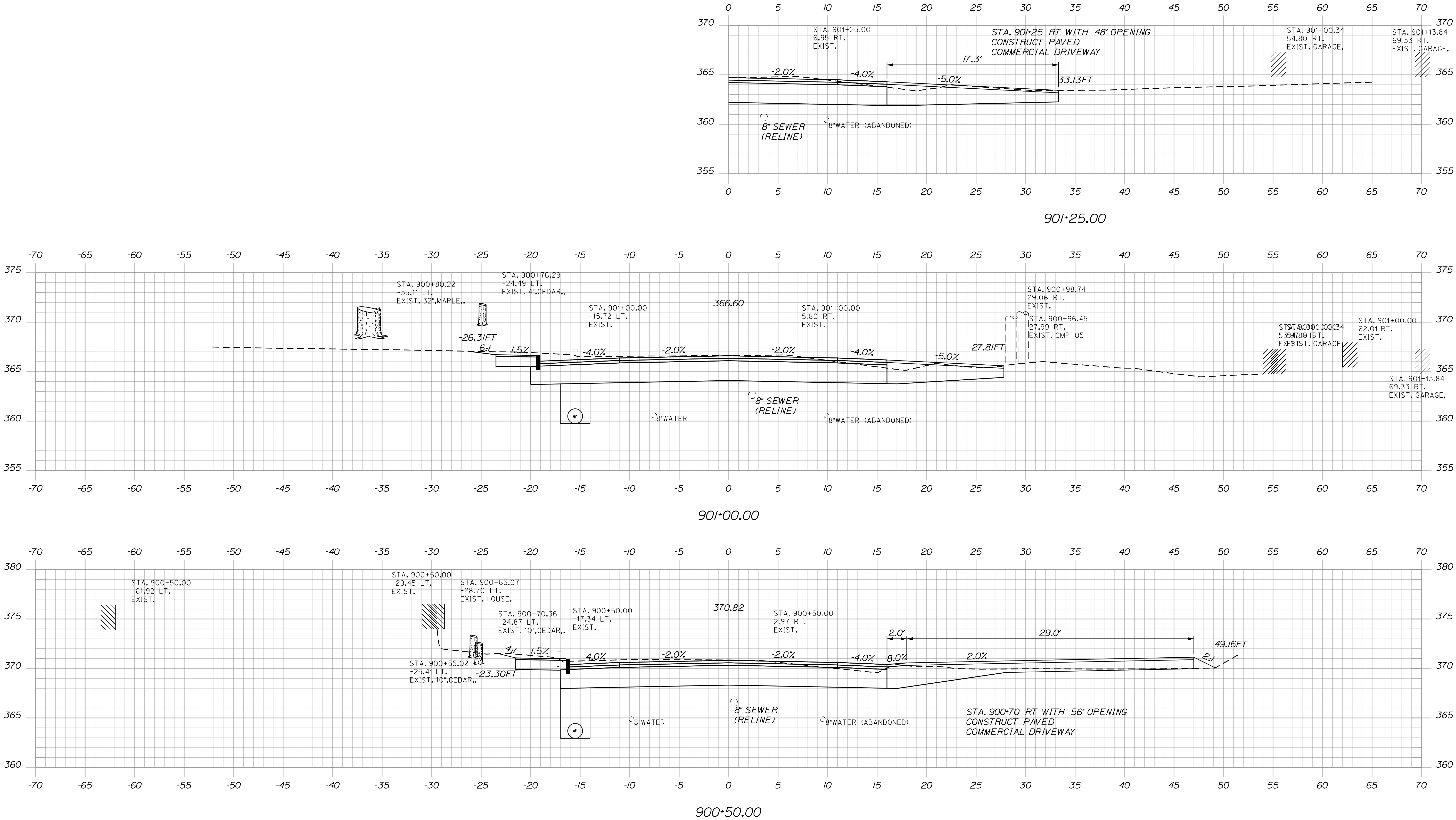
CHURCH STREET
SIDE ROAD CROSS SECTIONS

Username:

Date:6/30/2026

Division:

Filename: ... \HIGHWAY\MSTA050_Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
(NHP-2264(300))

WIN
22643.00
HIGHWAY PLANS

CHURCH STREET

SIDE ROAD CROSS SECTIONS

SHEET NUMBER
123
OF 135

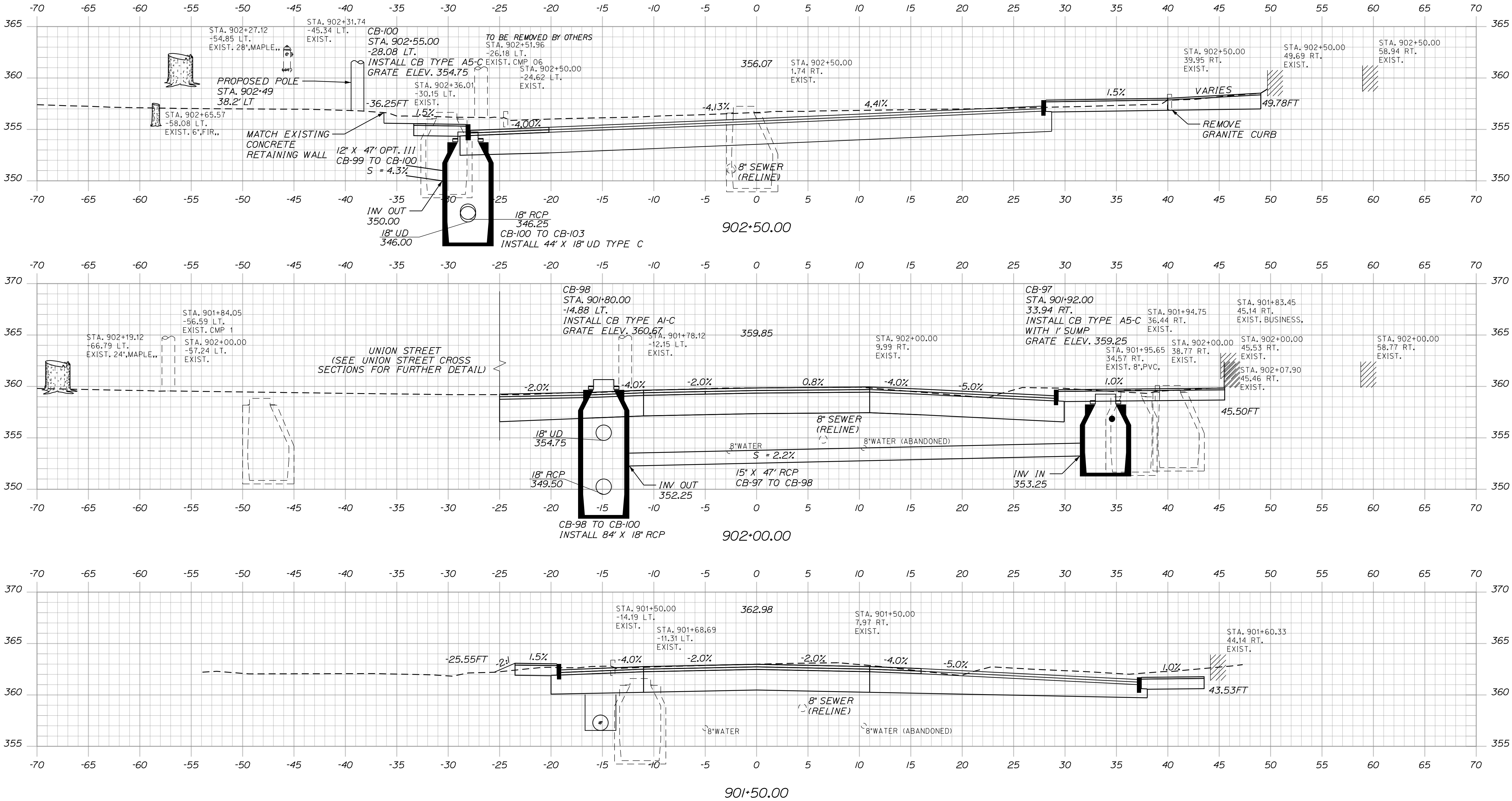
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3/24/26
SIGNATURE
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Date:6/30/2026

Username:

Division:

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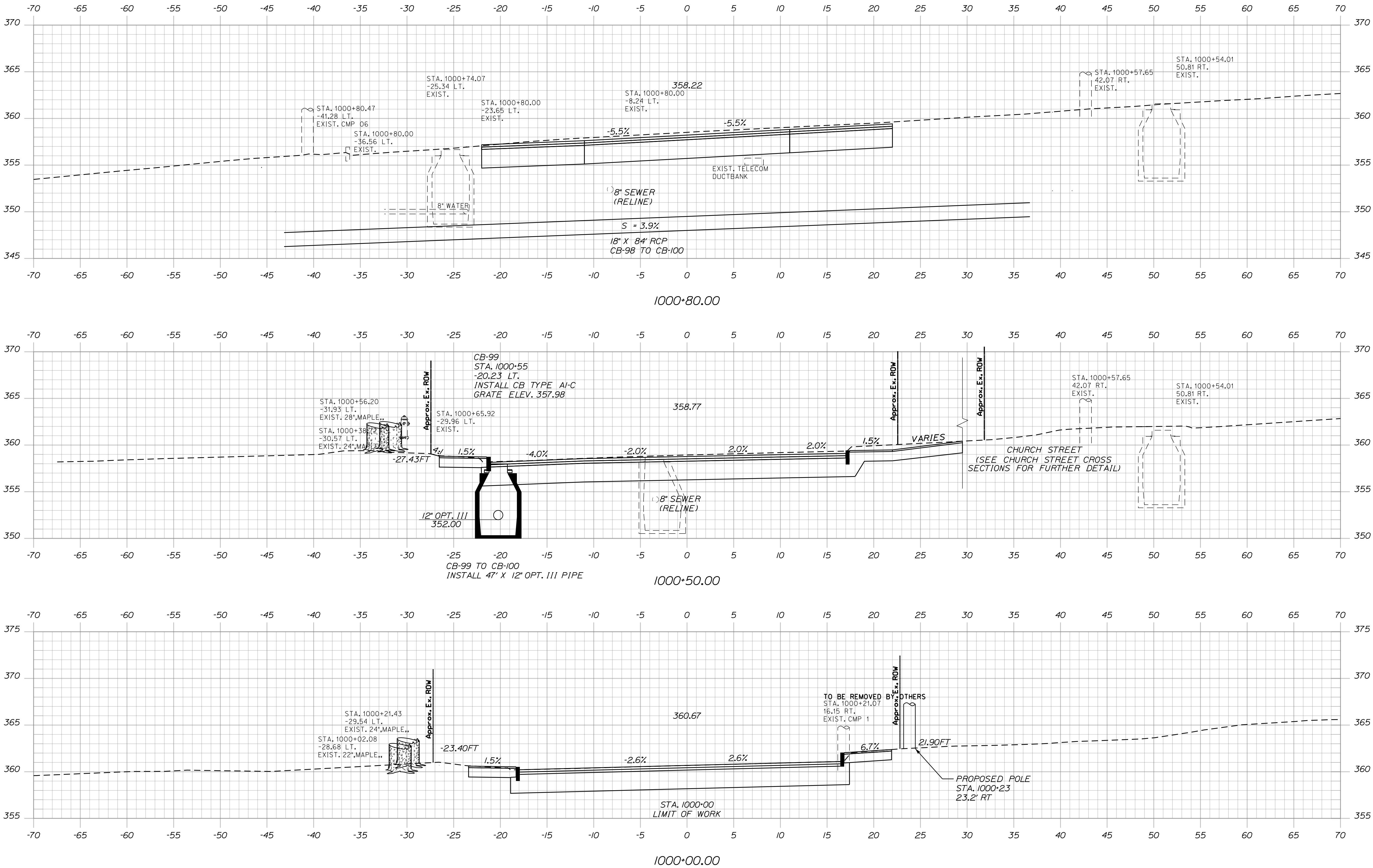
PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
E. MARTIN	M. GROTE	3/24/26			
CHECKED-REVIEWED	L. SWINISCI	3/24/26			
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

CHURCH STREET
SIDE ROAD CROSS SECTIONS

Username:

Division:

Filename: ... \HIGHWAY\MSTA050_Xsect.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

(NHPP-2264(300))

WIN
22643.00
HIGHWAY PLANS

PROJ. MANAGER
E. MARTIN

BY
M. GROTE

DATE
3/24/26

CHECKED-REVIEWED
T. HIGGINS

DESIGN-DETAILED
L. SWINSON

DESIGN-DETAILED
L. SWINSON

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SIGNATURE

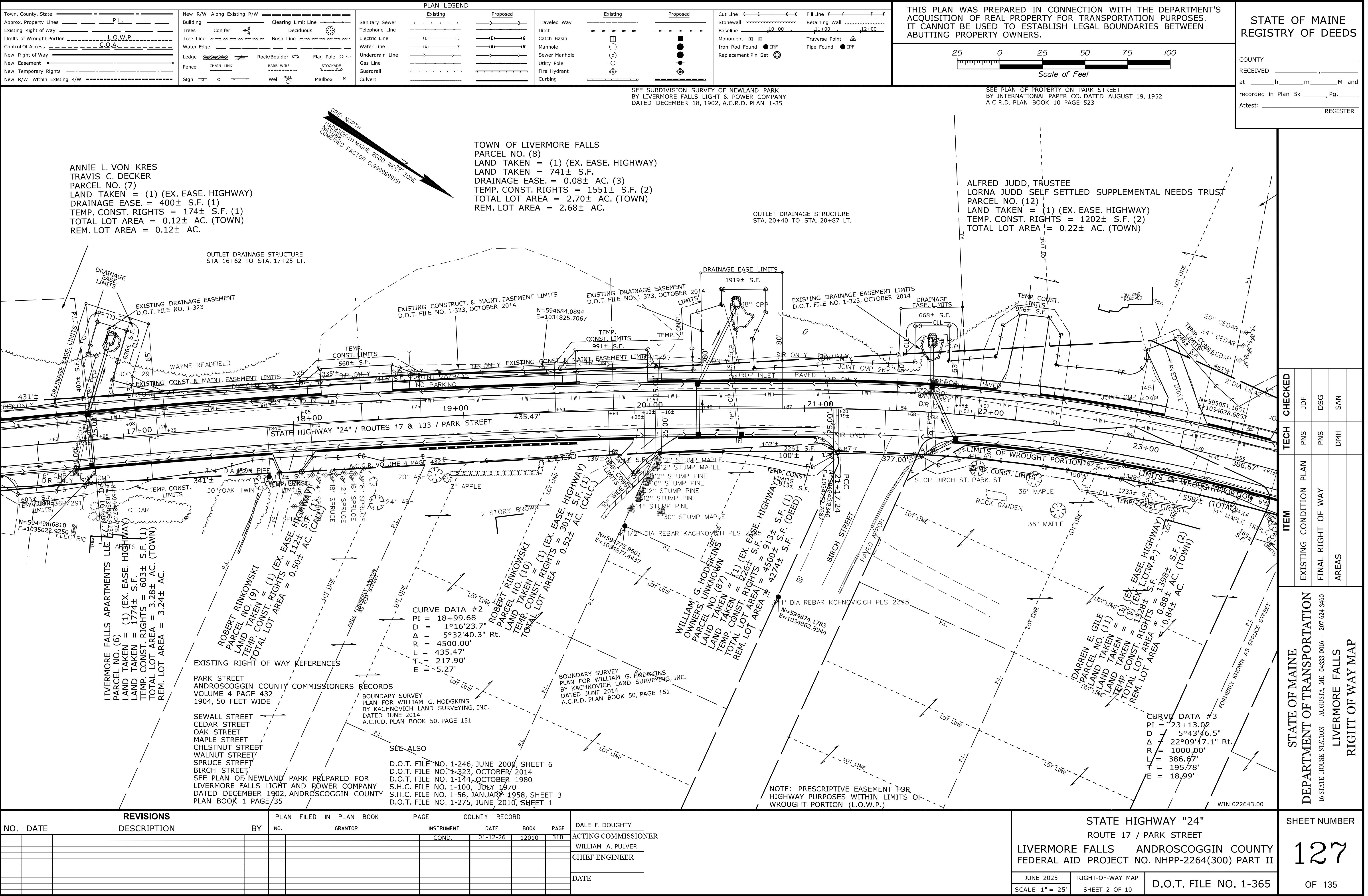
P.E. NUMBER

DATE

UNION STREET

SIDE ROAD CROSS SECTIONS

SHEET NUMBER
125
OF 135

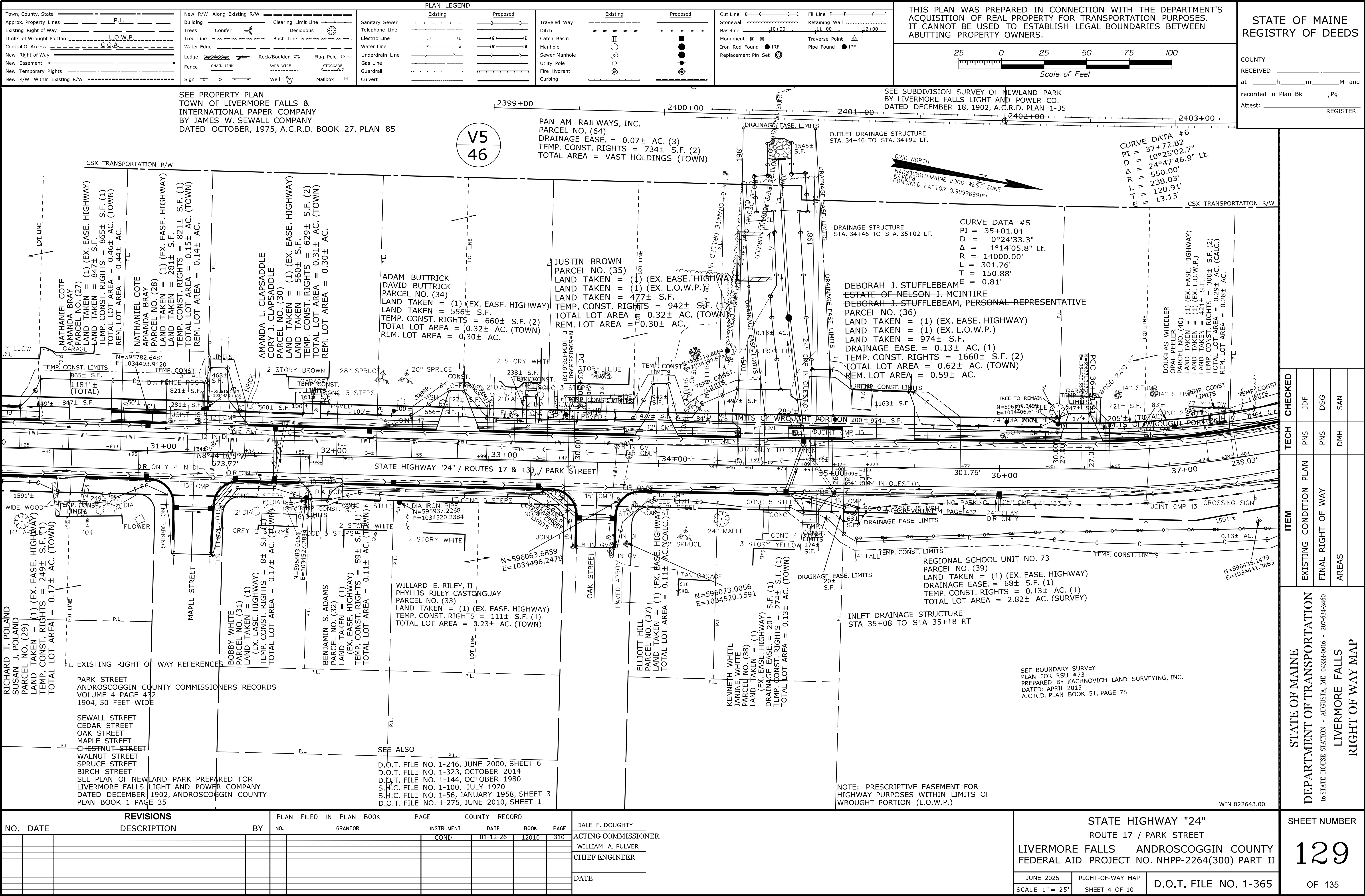


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Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$



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

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____, _____, _____
at _____ h _____ m _____ M and _____
recorded in Plan Bk _____, Pg. _____
Attest: _____ REGISTER

Scale of Feet
25 0 25 50 75 100

PLAN LEGEND

Along Existing R/W

Building

Trees

Tree Line

Water Edge

Ledge

Fence

Sign

Clearing Limit Line

Deciduous

Rock/Boulder

Flag Pole

Barb Wire

Stockade

Well

Mailbox

Sanitary Sewer

Telephone Line

Electric Line

Water Line

Underdrain Line

Gas Line

Guardrail

Culvert

Existing

Proposed

Traveled Way

Ditch

Catch Basin

Manhole

Sewer Manhole

Utility Pole

Fire Hydrant

Curbing

Cut Line

Stonewall

Baseline

Monument

Iron Rod Found

Replacement Pin Set

Fill Line

Retaining Wall

Traverse Point

Pipe Found

See PROPERTY PLAN
TOWN OF LIVERMORE FALLS &
INTERNATIONAL PAPER COMPANY
BY JAMES W. SEWALL COMPANY
DATED OCTOBER, 1975, A.C.R.D. BOOK 27, PLAN 85

TOWN OF LIVERMORE FALLS

FOUNDARY ROAD

GRID NORTH
MAINE 2011 MAINE 2000 ZONE
NAD83/2011 MAINE 2000 ZONE
COMBINED FACTOR 0.9999699151

V5
46

PCC = STA. 2409+99.70

CSX TRANSPORTATION R/W

2410+00

2411+00

2412+00

2413+00

2414+00

2415+00

2416+00

PLAN OF LAND OF ESTATE OF DANA W. BAILEY
SURVEYED AND PLOTTED BY LOUIS O. FOURNIER
DATED: MAY 1950
A.C.R.D. PLAN BOOK 9, PAGE 475

BAILEY BROTHERS, INC.
PARCEL NO. (59)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
TEMP. CONST. RIGHTS = 1182± S.F. (1)
TOTAL LOT AREA = 0.41± AC. (TOWN)

LIVERMORE FALLS WATER DISTRICT
PARCEL NO. (58)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
DRAINAGE EASE. = 84± S.F. (1)
TOTAL LOT AREA = 316± S.F. (CALC)

BAILEY BROTHERS, INC.
PARCEL NO. (53)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
LAND TAKEN = (1) (EX. L.O.W.P.)
DRAINAGE EASE. = 574± S.F.
TEMP. CONST. RIGHTS = 1904± S.F. (1)
TOTAL LOT AREA = 0.46± AC. (TOWN)
REM. LOT AREA = 0.44± AC.

TOWN OF LIVERMORE FALLS
PARCEL NO. (57)
LAND TAKEN = (1) (EX. EASE. HIGHWAY)
DRAINAGE EASE. = 0.06± AC. (1)
TEMP. CONST. RIGHTS = 1836± S.F. (3)
TOTAL LOT AREA = 0.77± AC. (TOWN)
REM. LOT AREA = 0.76± AC.

CURVE DATA #8
PI = 46+78.75
D = 11°27'33.0"
Δ = 27°04'18.6" Lt.
R = 500.00'
L = 236.24'
T = 120.37'
E = 14.29'

STATE HIGHWAY "24" / ROUTES 17 & 133 / PARK STREET

45+00

46+00

47+00

48+00

49+00

50+00

51+00

52+00

53+00

54+00

55+00

56+00

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293+00

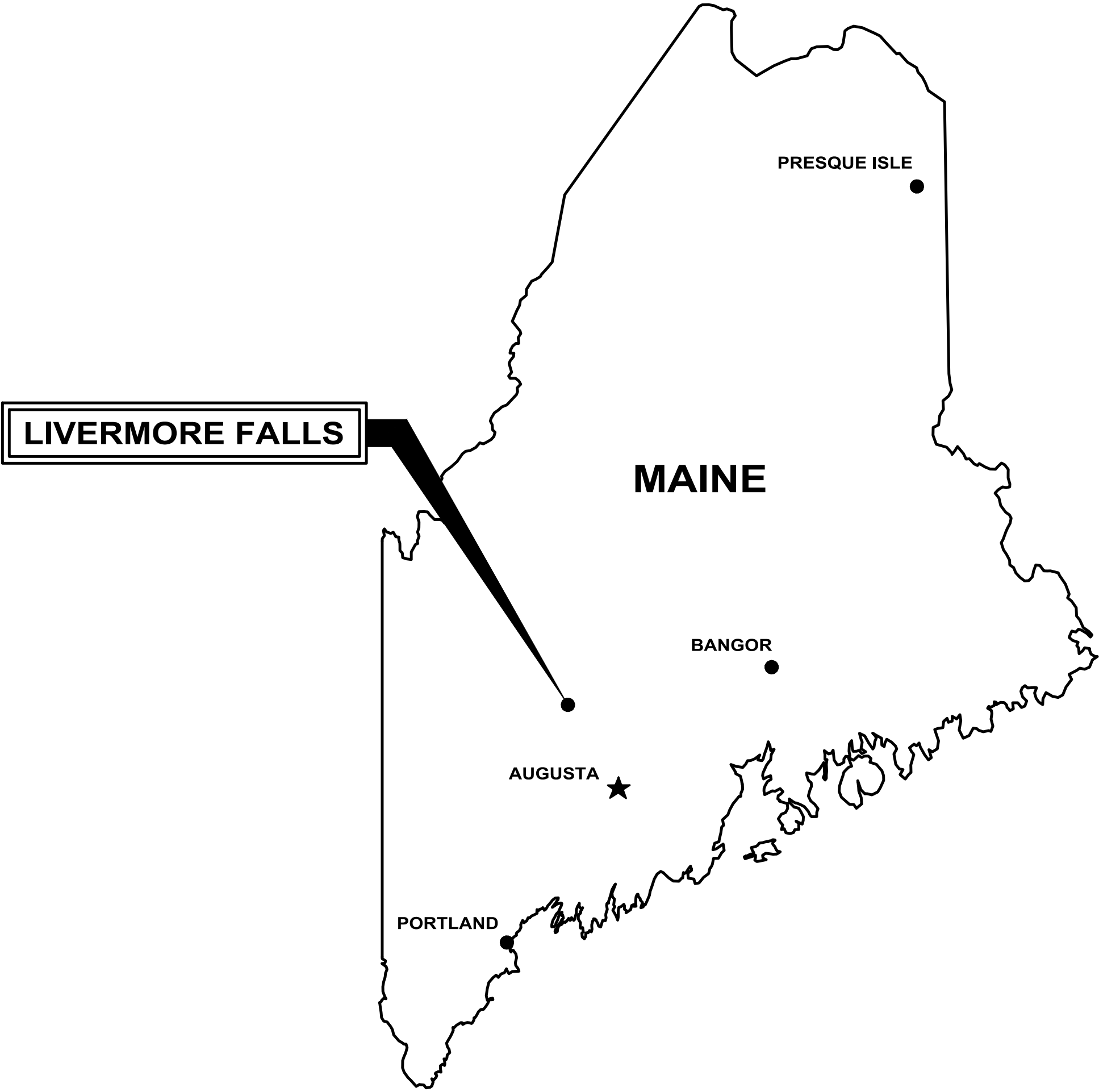
294+00

295+00

296+00

297

TOWN OF LIVERMORE FALLS
LIVERMORE FALLS WATER DISTRICT
CONTRACT DRAWINGS FOR
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00
PLAN IMPACTS COMPLETE
MARCH 2026



DRAWING INDEX

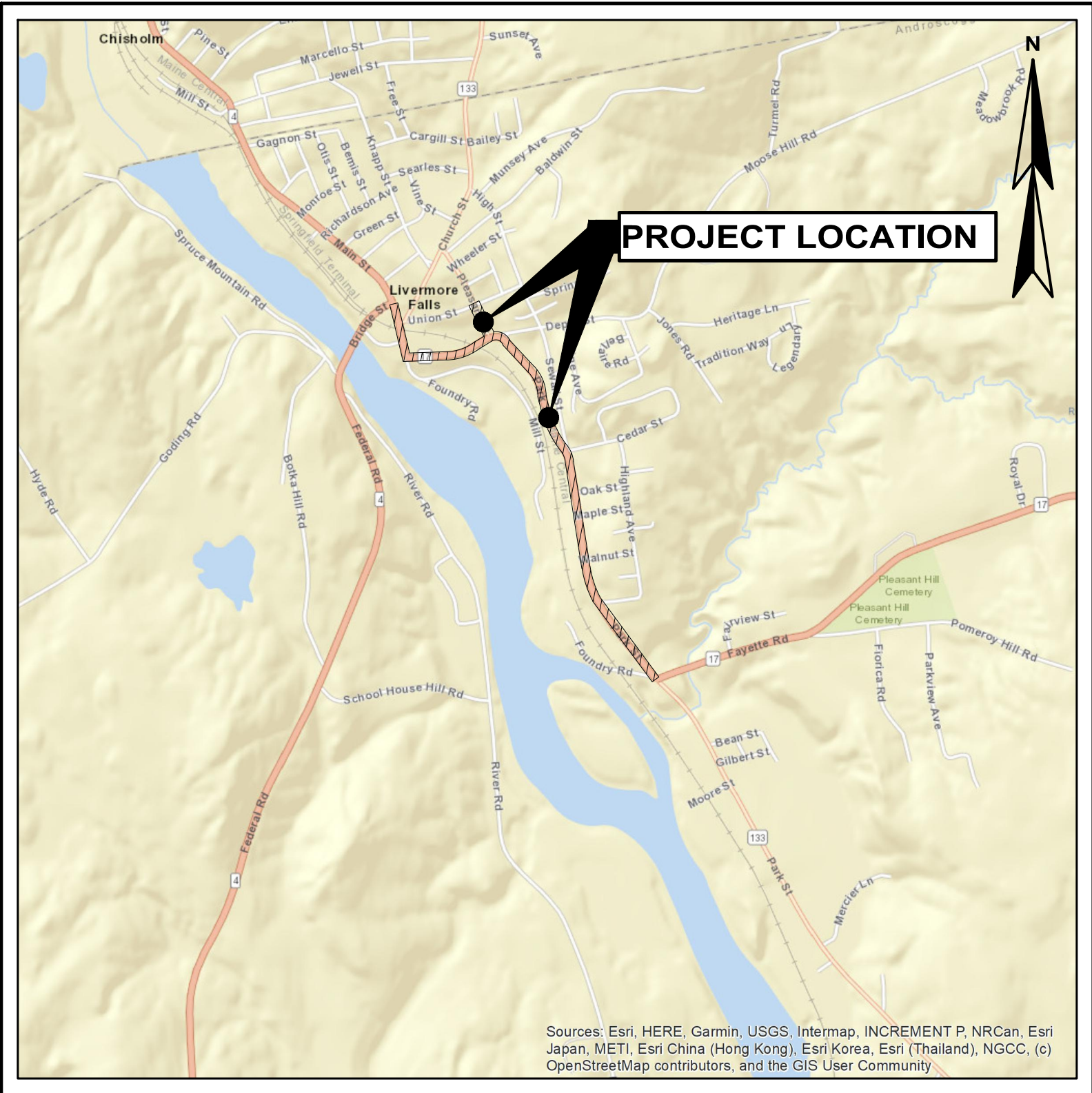
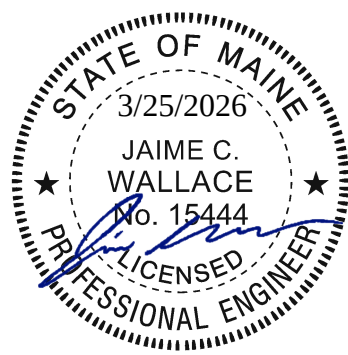
GENERAL

CIVIL

- C-1
- C-2
- C-3
- C-4
- C-5
- C-6
- C-7
- C-8
- C-9
- C-10
- C-11
- C-12
- C-13
- C-14
- C-15
- C-16
- C-17

COVER SHEET

GENERAL NOTES, LEGEND, AND ABBREVIATIONS
INDEX PLAN
PLAN AND PROFILE: MAIN ST STA 9+50 TO STA 16+00
PLAN AND PROFILE: MAIN ST STA 16+00 TO STA 23+00
PLAN AND PROFILE: MAIN ST STA 23+00 TO STA 30+00
PLAN AND PROFILE: MAIN ST STA 30+00 TO STA 37+00
PLAN AND PROFILE: MAIN ST STA 37+00 TO STA 44+00
PLAN AND PROFILE: MAIN ST STA 44+00 TO STA 51+00
PLAN AND PROFILE: MAIN ST STA 51+00 TO STA 58+00
PLAN AND PROFILE: MAIN ST STA 58+00 TO STA 65+00
PLAN AND PROFILE: MAIN ST STA 65+00 TO STA 68+88
PLAN AND PROFILE: DEPOT ST STA 497+00 TO STA 501+85
PLANS: WATER AND PLEASANT STREETS
DETAILS I
DETAILS II
DETAILS III
DETAILS IV



LOCATION PLAN
SCALE: 1"=2,000'



888.621.8156 | www.wright-pierce.com

GENERAL NOTES

1.

THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY AND EASEMENTS. THE CONTRACTOR SHALL VERIFY THAT THE NECESSARY EASEMENTS HAVE BEEN SECURED BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH EASEMENT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL RIGHTS-OF-WAY AND EASEMENTS ARE AVAILABLE FOR REVIEW FROM THE OWNER.
2.

WATER AND SEWER IMPROVEMENTS ARE SLATED TO BE CONSTRUCTED IN CONJUNCTION WITH THE MAIN-DEPOT-PARK STREET IMPROVEMENTS BY THE MAINE DEPARTMENT OF TRANSPORTATION.
3.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
4.

CONTRACTOR SHALL NOTE THAT, IN GENERAL, ALL EXISTING CONDITION INFORMATION ON THE DRAWINGS ARE SHOWN WITH A LIGHTER LINE WEIGHT AND WITH A SLANTED TYPE TEXT.
5.

ALL EXISTING SEWER AND STORM DRAIN LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE. ANY EXISTING SEWERS, STORM DRAIN LINES OR CULVERTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6.

ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.
7.

REFER TO THE MAINE DEPARTMENT OF TRANSPORTATION REQUIREMENTS CONTAINED IN THE PROJECT MANUAL FOR MAINTAINING TRAFFIC FLOW - SECTION 652.
8.

MAINE STATE HIGHWAYS: THE FOLLOWING ROADWAYS FALL WITHIN THE JURISDICTION OF THE MAINE DEPARTMENT OF TRANSPORTATION. ALL WORK CONDUCTED WITHIN THESE ROADWAYS SHALL CONFORM TO MAINE DOT STANDARDS AND ROAD OPENING PERMIT REQUIREMENTS. MAINE STATE HIGHWAYS WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - PARK STREET (SR-17)
 - DEPOT STREET (SR-17)
 - MAIN STREET (SR-17)
 - PLEASANT STREET (SR-133)
9.

ALL TEST PITS SHALL BE EXCAVATED PRIOR TO CONSTRUCTION LAYOUT AND RESULTS REPORTED TO THE ENGINEER FOR REVIEW FOR CONFORMANCE WITH THE PLANS. TESTS PITS ARE REQUIRED WHERE SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER. TEST PITS SHALL BE DUG PRIOR TO ORDERING MATERIAL AND STARTING WORK.
10.

INSULATE OVER ANY GRAVITY SEWER PIPE OR WATER PIPE WHEN COVER IS LESS THAN 5-FEET, OR THERE IS LESS THAN 2-FEET BETWEEN THE SEWER OR WATER AND A CULVERT OR STORM DRAIN.
11.

EXISTING AND PROPOSED STORM DRAINS SHOWN FOR REFERENCE ONLY, REFER TO THE MDOT PLANS FOR FURTHER INFORMATION.
12.

ALL SEWER SERVICES SHALL BE FIELD LOCATED BY THE CONTRACTOR. KNOWN SEWER SERVICE LOCATIONS ARE INDICATED ON THE PLANS FROM CCTV INSPECTIONS COMPLETED BY THE OWNER. NOT ALL SEWER SERVICE LOCATIONS ARE SHOWN ON THE DRAWINGS. CONTRACTOR TO ASSUME EACH PROPERTY HAS A SEWER SERVICE.
13.

ALL FRAMES AND COVERS ON EXISTING SEWER MANHOLES TO REMAIN SHALL BE REPLACED WITH NEW FRAMES AND COVERS AND ADJUSTED TO MEET FINAL GRADES. FRAMES AND COVERS REMOVED SHALL REMAIN PROPERTY OF THE LIVERMORE FALLS SEWER DEPARTMENT AND STORED AT THE LIVERMORE FALLS WASTEWATER TREATMENT FACILITY ON FOUNDRY ROAD.

EXISTING SITE CONDITIONS

1.

THE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND MAY NOT BE COMPLETE. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN, OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER.
2.

BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. UTILITY CONTACTS ARE AS FOLLOWS:

ELECTRIC: CENTRAL MAINE POWER TEL (207) 364-3878	WATER: LIVERMORE FALLS WATER DISTRICT TEL (207) 897-3445	TELEPHONE/CABLE: CONSOLIDATED COMMUNICATIONS TEL 1-844-968-7224
DIG SAFE: TEL 1-800 DIG SAFE	DRAIN: LIVERMORE FALLS PUBLIC WORKS TEL (207) 897-3221	SEWER: LIVERMORE FALLS SEWER DEPARTMENT TEL (207) 897-2339
3.

THERE ARE NO KNOWN HAZARDOUS ENVIRONMENTAL CONDITIONS WITHIN THE AREA OF WORK. IF THE PRESENCE OF HAZARDOUS ENVIRONMENTAL CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IMMEDIATELY. ALL ACTIVITIES, HANDLING AND DISPOSAL OF HAZARDOUS ENVIRONMENTAL CONDITIONS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.

SITE DEMOLITION

1.

DEMOLISH/REMOVE EXISTING PIPING AS REQUIRED FOR CONSTRUCTION OF NEW FACILITIES. ALL PIPING, EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND/OR REMOVED FROM SERVICE SHALL BE COORDINATED WITH THE OWNER AND ENGINEER BEFORE COMMENCING THAT WORK. EXISTING PIPING THAT NEEDS TO BE REMOVED TO CONSTRUCT THE NEW FACILITIES, BUT IS TO REMAIN, SHALL BE REINSTALLED/REPLACED AS NEEDED. IF ABANDONED PIPE CONFLICTS WITH NEW SITE PIPING OR FACILITIES, THEN A PORTION OF THE ABANDONED PIPE SHALL BE REMOVED, AND THE NEW ENDS OF ABANDONED PIPE CAPPED OR PLUGGED WITH CONCRETE. ALL SEWER TO BE ABANDONED SHALL BE ABANDONED IN PLACE WITH FLOWABLE FILL. EXISTING SEWER PIPE THAT CONFLICTS WITH NEW UTILITIES MAY BE CUT OUT AND REMOVED AS NEEDED.
2.

SEVERING OF EXISTING UTILITIES FOR ABANDONMENT, OR REMOVAL OF A SEGMENT FROM SERVICE, SHALL BE PERFORMED IN SUCH A MANNER AS TO ALLOW THE REMAINING ACTIVE SEGMENT TO CONTINUE IN ITS INTENDED SERVICE. CAP ACTIVE SEGMENTS WITH APPROPRIATE FITTINGS, JOINT RESTRAINT, ETC. TO ENSURE THEIR INTEGRITY. PLUG ENDS OF ABANDONED PIPE SEGMENTS WITH CONCRETE UNLESS SPECIAL CIRCUMSTANCES DICTATE PLUGGING ABANDONED PIPES WITH BLIND FLANGES, RESTRAINED MECHANICAL JOINT PLUGS, ETC. AS APPROPRIATE.
3.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF FLOWS RESULTING FROM PRECIPITATION AND GROUNDWATER DEWATERING OPERATIONS.

SITE GRADING

1.

CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, EROSION CONTROL FENCE SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM, CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT.
2.

CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
3.

ALL VALVE PITS, VALVE BOXES AND OTHER BURIED FACILITIES WITH SURFACE ACCESS SHALL BE ADJUSTED TO MATCH FINAL GRADES, UNLESS OTHERWISE INDICATED.
4.

ALL NON-ROADWAY AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP 4-INCHES OF SOIL SHALL BE LOAM.

CIVIL SITE LAYOUT

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTling ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE, AT NO ADDITIONAL COST TO THE OWNER.
3.

WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
4.

ALL ELEVATIONS REFER TO THE NAVD88 DATUM. ORIENTATION IS GRID NORTH ON THE MAINE STATE COORDINATE SYSTEM. PROJECT BENCHMARK IS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS PRIOR TO USING IN CONSTRUCTION.
5.

EXISTING CONDITIONS SITE PLAN DEVELOPED FROM SURVEY DRAWING PREPARED BY WSP ENGINEERS FOR MAINE DOT, DATED 09/08/2022, LIVERMORE FALLS WATER DISTRICT GIS DATA, REPORTS DEVELOPED BY VORTEX SERVICES, AND EXISTING RECORD DRAWING INFORMATION. SITE PLANS FOR DEPOT STREET AND AREAS OUTSIDE OF MAINE DOT WORK LIMITS WERE DEVELOPED FROM MAINLAND DEVELOPMENT CONSULTANTS SURVEY OF SEPTEMBER 2022.
6.

FOR HORIZONTAL AND VERTICAL CONTROL REFER TO THE MDOT ROADWAY PROJECT PLANS.

CIVIL SITE PIPING

1.

MANHOLES ARE 4-FEET IN DIAMETER UNLESS OTHERWISE NOTED. THE TOP OF MANHOLE FRAMES SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE NOTED ON DRAWINGS. SEWER MANHOLE INVERTS SHOWN ON THE DRAWINGS ARE TO THE INSIDE FACE OF THE MANHOLE.
2.

CONTRACTOR SHALL RE-SHAPE INVERTS AS REQUIRED WHEN CONNECTING INTO EXISTING MANHOLES.
3.

REFER TO SPECIFICATION SECTION 02200 FOR PIPE AND STRUCTURE BEDDING AND BACKFILL REQUIREMENTS.
4.

WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
5.

ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED. ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION MATERIALS IN ACCORDANCE WITH SPECIFICATION SECTION 02050.
7.

WHENEVER SEWER AND WATER MAINS MUST CROSS, WATER LINES SHOULD BE INSTALLED ABOVE WASTEWATER. A MINIMUM SEPARATION OF 18-INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE WASTEWATER LINE SHALL BE MAINTAINED. WHERE A WATER LINE CROSSES UNDER A WASTEWATER LINE, A FULL LENGTH OF PIPE SHALL BE CENTERED ABOVE THE WATER LINE SO THAT BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE.

WATER MAIN GENERAL NOTES

1.

WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
2.

ANY UNDERGROUND STRUCTURES, CABLES, AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATIONS SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES, CABLES, AND PIPELINES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNERS OF THE STRUCTURES, CABLES, AND PIPELINES.
3.

MINIMUM DEPTH OF COVER SHALL BE 5'-0" AND MAXIMUM DEPTH OF COVER SHALL BE 7'-0" UNLESS SHOWN OTHERWISE ON THE DRAWINGS. THE NEW MAIN SHALL GENERALLY FOLLOW THE GROUND CONTOUR, HOWEVER, ABRUPT CHANGES IN GRADE SHALL BE AVOIDED. AT LOCAL HIGH POINTS OR WHERE AIR RELEASE VALVES ARE SHOWN, THE CONTRACTOR SHALL SLOPE NEW MAIN AS NEEDED TO MAINTAIN HIGH POINT AT AIR RELEASE VALVE. IF LEDGE IS ENCOUNTERED THE MINIMUM DEPTH OF COVER SHALL BE 5'-0".
4.

IF MINIMUM COVER CANNOT BE ATTAINED DUE TO UTILITY CONFLICTS THE DEPTH OF COVER SHALL NOT BE LESS THAN 4'-0" AND 2" RIGID BOARD INSULATION SHALL BE USED AS DETAILED.
5.

NEW HYDRANTS SHALL FIELD LOCATED AND APPROVED BY THE WATER DISTRICT AND FIRE DEPARTMENT.
6.

CONNECTIONS TO EXISTING WATER MAIN SHALL BE COORDINATED WITH THE WATER DISTRICT.
7.

ALL BENDS, TEES, REDUCERS, HYDRANTS AND PLUGS SHALL BE RESTRAINED BY USING CONCRETE THRUST BLOCKS AND GRIP-RINGS OR OTHER METHOD AS SHOWN ON THE DRAWINGS. ANCHOR TEES SHALL BE USED FOR ALL HYDRANT BRANCHES.
8.

ALL WATER MAINS THAT ARE TO BE LEFT IN PLACE SHALL BE CAPPED WITH A MJ CAP OR PLUG. ABANDONED WATER MAINS GREATER THAN 8" IN DIAMETER SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL.
9.

ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED. AT NO ADDITIONAL COST TO THE OWNER THE CONTRACTOR SHALL REPAIR OR COORDINATE WITH THE RESPECTIVE UTILITY ON DAMAGE TO EXISTING UTILITIES.
10.

CONTINUOUS WATER SERVICE MUST BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY PIPING AND SERVICES SUITABLE FOR AN OPERATING PRESSURE OF 100PSI. ACCESS TO ROAD AND DRIVEWAYS SHALL ALSO BE MAINTAINED.
11.

ALL EXISTING WATER SERVICES ARE TO BE CONNECTED TO THE NEW MAIN. EXISTING SERVICES, AS SHOWN ON THE DRAWINGS, ARE FOR THE CONTRACTOR'S REFERENCE. THE CONTRACTOR SHALL VERIFY LOCATION, SIZE AND TYPE OF ALL SERVICES. IF NOT LABELED ON THE PLAN, THE SERVICE SHALL BE ASSUMED TO BE A MINIMUM SERVICE SIZE OF 1-INCH. THE CONTRACTOR SHALL ASSUME THAT THERE IS A WATER SERVICE TO EACH AND EVERY PROPERTY WITHIN THE PROJECT LIMITS.
12.

EXISTING HYDRANTS TO BE REMOVED SHALL BE STORED AT AN OWNER APPROVED LOCATION AND REMAIN PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED.
13.

EXISTING VALVES AND FITTINGS SALVAGED FOR REUSE SHALL BE STORED AT AN OWNER APPROVED LOCATION AND REMAIN PROPERTY OF THE OWNER.
14.

ALL MATERIALS, PRODUCTS AND COATINGS THAT CONTACT DRINKING WATER SHALL BE CERTIFIED TO MEET NSF/ANSI STANDARD 61: DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS CERTIFICATION SHALL BE BY AN ANSI ACCREDITED, THIRD-PARTY TESTING AND CERTIFICATION ORGANIZATION. THIS INCLUDES ANY MATERIAL PROVIDED BY A CONTRACTOR/SUBCONTRACTOR OR OWNER FURNISHED MATERIALS AND TEMPORARY SERVICE LINES.
15.

ALL VALVES SHALL OPEN LEFT. HYDRANTS SHALL OPEN RIGHT.
16.

WATER SERVICE LINES ON PARK STREET SHALL BE REPLACED FROM THE CORPORATION TO THE CURB STOP. CURB STOPS AND VALVE BOXES SHALL BE REPLACED AND ADJUSTED TO MEET PROPOSED GRADES.

CIVIL ABBREVIATIONS

&	AND
Ø, DIA	DIAMETER
#, NO	NUMBER
AC	ASBESTOS CEMENT
APP'D	APPROVED
BR	BRICK
BLDG	BUILDING
CB	CATCH BASIN
CEN	CENTER
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIPP	CURED-IN-PLACE-PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
DEMO	DEMOLITION
DMH	DRAIN MANHOLE
DI	DUCTILE IRON
DR	DRAIN
DWG	DRAWING
EL	ELEVATION
EMH	ELECTRIC MANHOLE
FM	FORCE MAIN
FT	FEET
G	GAS
HDPE	HIGH DENSITY POLYETHYLENE
HYD	HYDRANT
IN	INCH
INF	INFLUENT
INV	INVERT
LBS	POUNDS
LF	LINEAR FOOT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MW	MONITORING WELL
N	NORTH
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N/A	NOT AVAILABLE/APPLICABLE
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OUT	OUTFALL
PC	PERFORATED CLAY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PS	PRIMARY SLUDGE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REC	RECORD DRAWING
REQ'D	REQUIRED
S	SLOPE, SEWER
SD	STORM DRAIN
SF	SQUARE FEET
SMH	SANITARY SEWER MANHOLE
SQ	SQUARE
STA	STATION
T, XFMR	TRANSFORMER
TBM	TEMPORARY BENCH MARK
THK	THICKNESS
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
VC	VITRIFIED CLAY
VF	VERTICAL FOOT
W/	WITH
W	POTABLE WATER

EXISTING	LEGEND	PROPOSED
	PROPERTY/ROW LINE	
	SETBACK LINE	
	EASEMENT LINE	
	CENTERLINE	
	EDGE OF PAVEMENT	
	CURBING	
	EDGE OF GRAVEL	
	EDGE OF CONCRETE	
	CONTOUR	
	BUILDING	
	STONEWALL	
	TREELINE	
	CHAIN LINK FENCE	
	STOCKADE FENCE	
	BARB WIRE FENCE	
	RETAINING WALL	
	GUARDRAIL	
	SEWER	
	SEWER FORCE MAIN	
	GAS	
	WATER	
	STORM DRAIN	
	UNDERDRAIN	
	CULVERT	
	UNDERGROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	UNDERGROUND TELEPHONE	
	UNDERGROUND CABLE TV	
	PIPE TO BE RELINED	
	IRON PIPE/REBAR	
	DRILLHOLE	
	MONUMENT	
	SURVEY CONTROL POINT	
	SPOT ELEVATION	
	SEWER MANHOLE	
	DRAINAGE MANHOLE	
	CATCH BASIN	
	ELECTRIC MANHOLE	
	TELEPHONE MANHOLE	
	SHUTOFF VALVE	
	WATER SERVICE SHUTOFF	
	YARD HYDRANT	
	HYDRANT	
	GAS SERVICE SHUTOFF	
	GAS GATE VALVE	
	UTILITY POLE	
	UTILITY POLE W/ GUY	
	UTILITY POLE W/ LIGHT	
	LIGHT POLE	
	BOLLARD	
	FLAGPOLE	
	CONIFEROUS TREE	
	DECIDUOUS TREE	
	SHRUB	
	WETLAND FLAG	
	EDGE OF WATER	
	STREAM	
	EDGE OF WETLANDS	
	FLOODPLAIN	
	WETLANDS	
	DRAINAGE FLOW	
	DRAINAGE SWALE	
	PAVEMENT MARKINGS	
	SIGN	
	MAILBOX	
	TEMPORARY BENCH MARK	
	TEST PIT	
	TEST BORING	
	TEST PROBE	
	MONITORING WELL	
	LIMIT OF WORK	
	SILT FENCE	
	RIPRAP	
	RAILROAD	
	MATCHLINE	
	ROCK OUTCROP	
	HEAVY DUTY PAVEMENT	
	NORMAL DUTY PAVEMENT	
	WALKWAY PAVEMENT	

PROJECT NO: 20947
DESIGNED: K.DOW
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED: D.LACROIX
DATE: 08/2026
APPROVED: J.WALLACE
DATE: 08/2026
SUBMISSION: CONTRACT DOCUMENTS

NO

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REVISIONS

APPRO DATE

STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
Professional Engineer
LICENSED

WRIGHT-PIERCE

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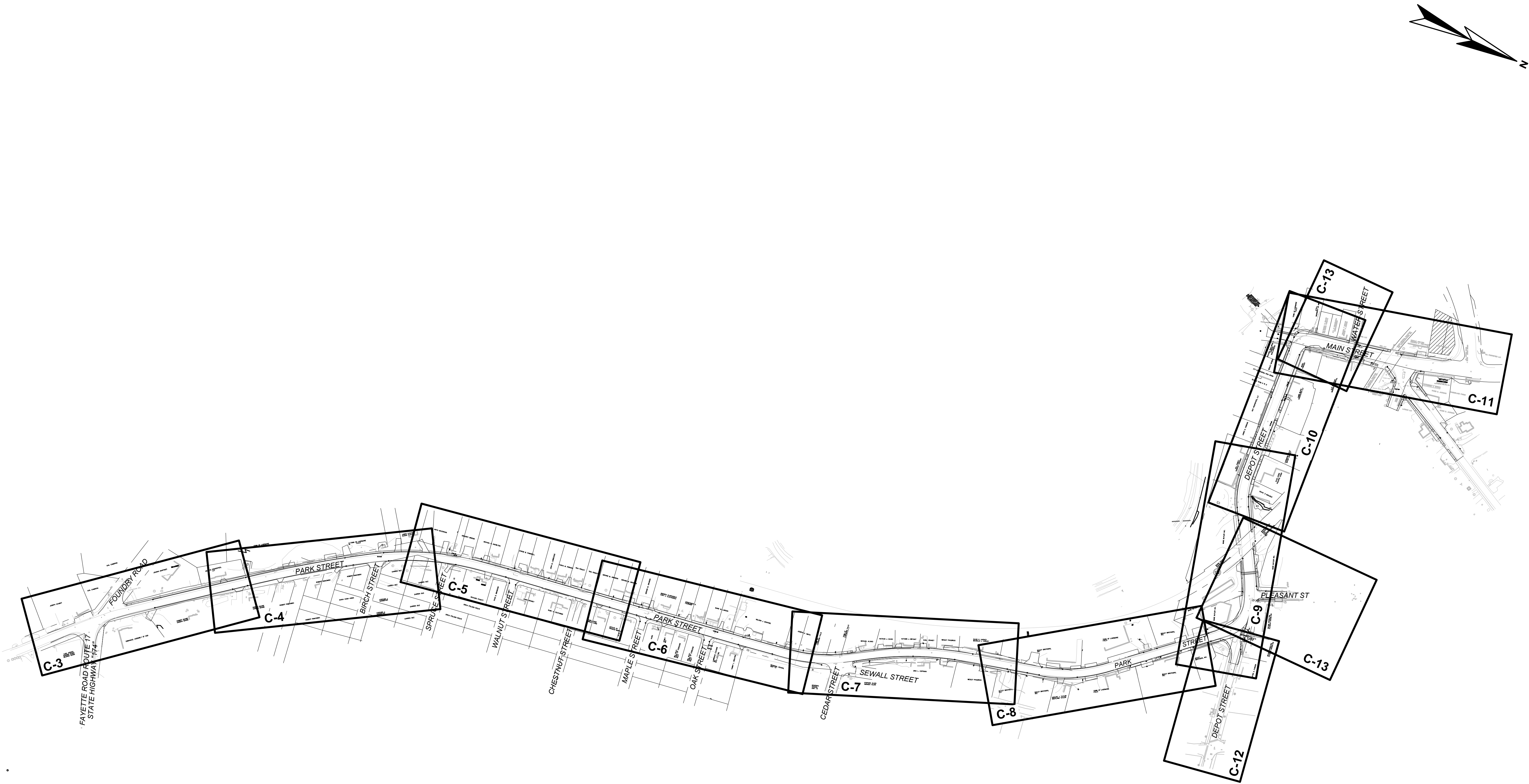
11 BOWDOIN HILL ISLAND, SUITE 140, TOPSHAM, ME 04086

LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

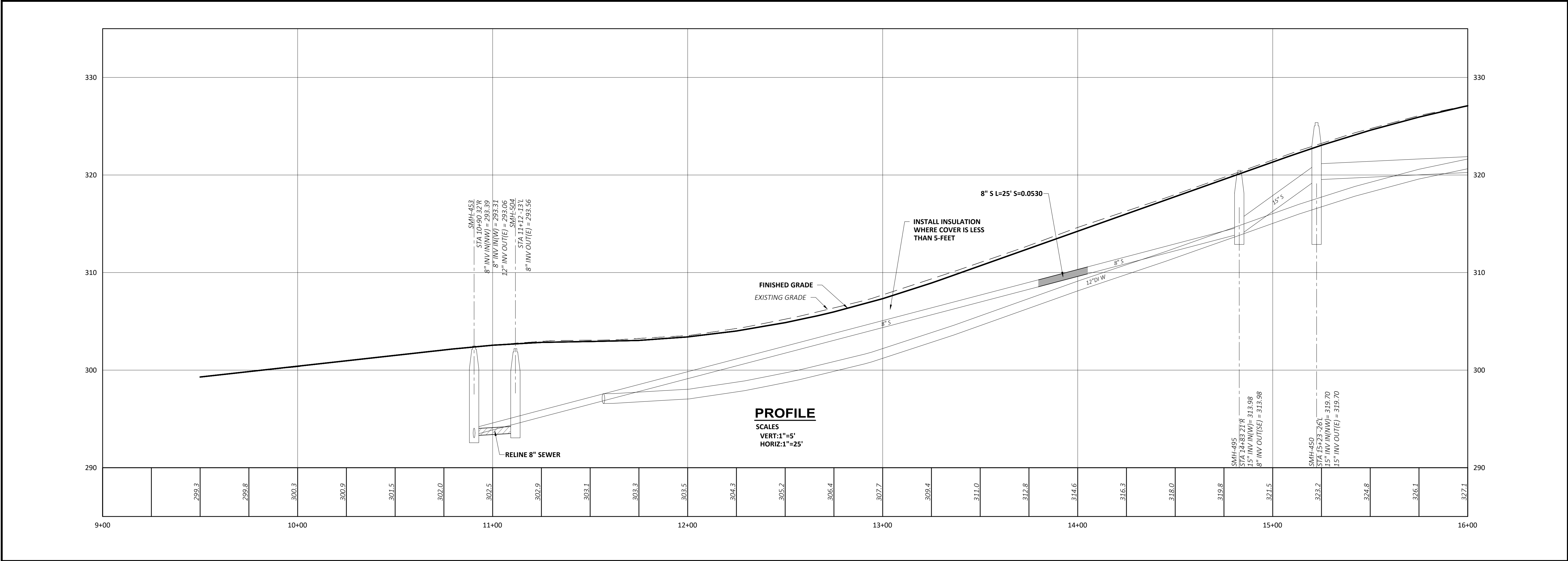
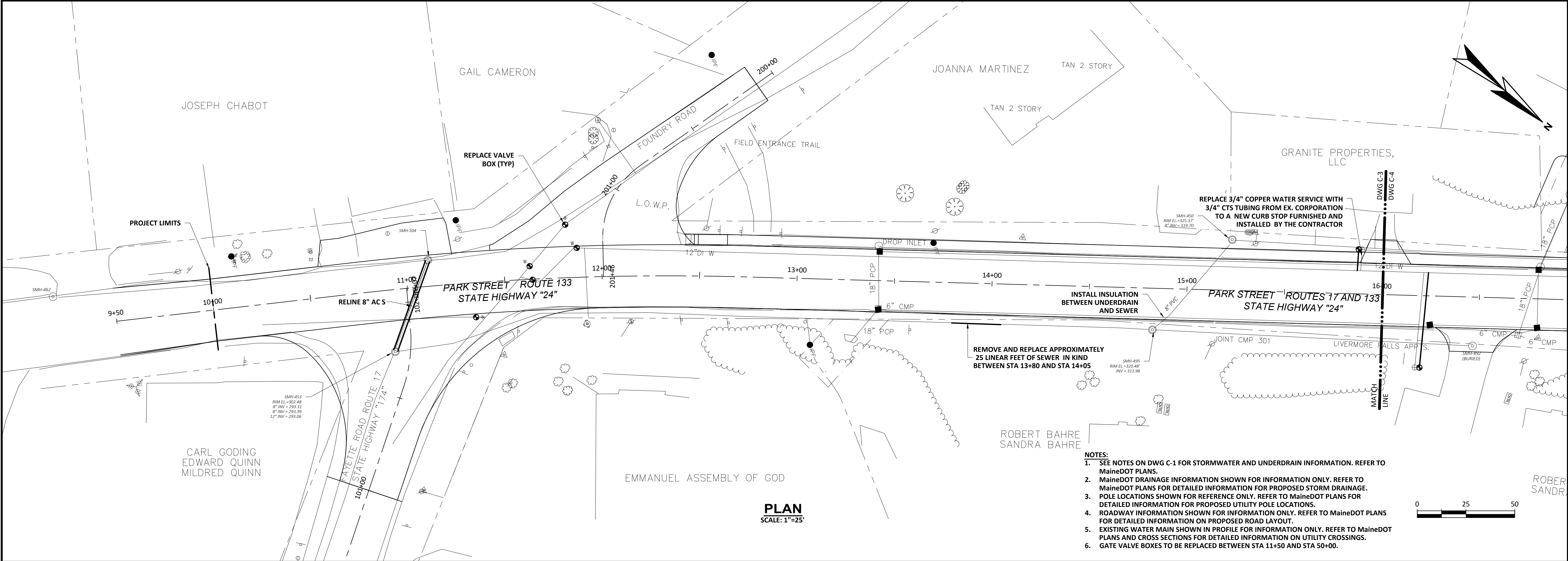
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INDEX PLAN
SCALE: 1"=180'

DRAWING	LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643.00		 WRIGHT-PIERCE 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086	PROJECT NO: 20947 DESIGNED: K.DOW CAD COORD: J.MICHAUD CAD: J.MICHAUD CHECKED: D.LACONBRE DATE: 03/2026 APPROVED: J.WALLACE DATE: 03/2026 SUBMISSION: CONTRACT DOCUMENTS	REVISIONS		APPD	DATE
	INDEX PLAN				NO			



REVISIONS		APPD	DATE
NO			

PROJECT NO. 20947	
DESIGNED:	K.DOW
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	D.LACROIX
DATE:	08/2026
APPROVED:	J.WALLACE
DATE:	08/2026
SUBMISSION: CONTRACT DOCUMENTS	

STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
06-1244
LICENSED PROFESSIONAL ENGINEER

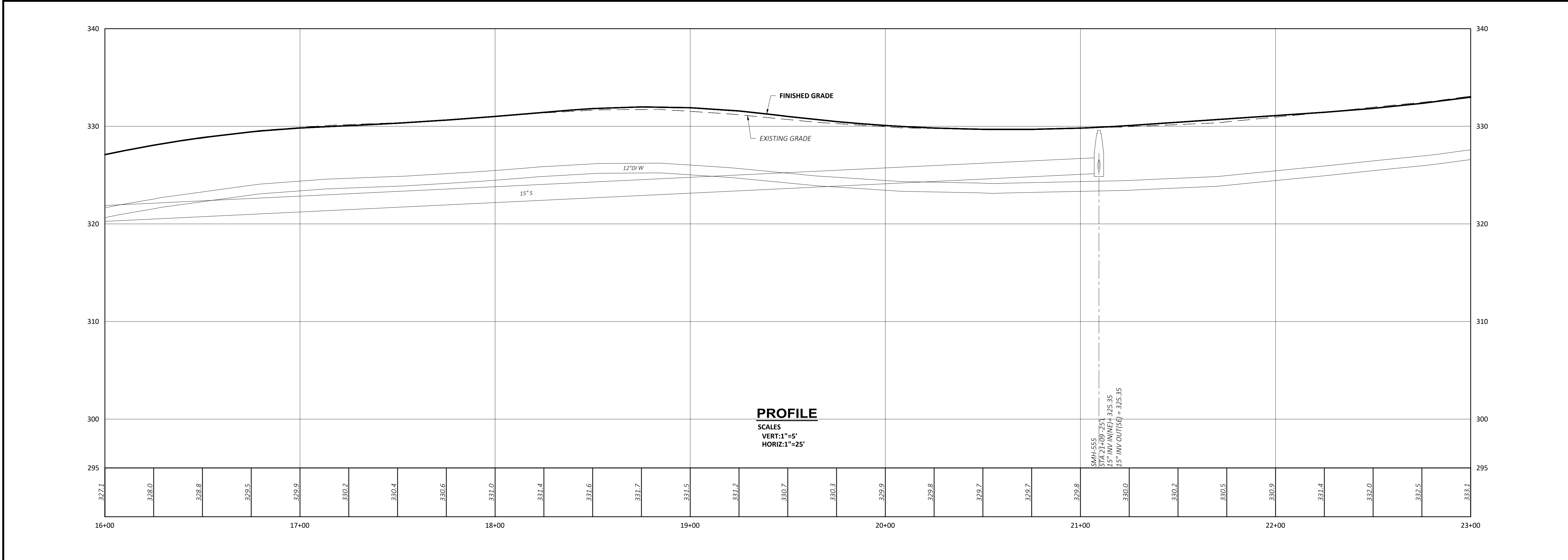
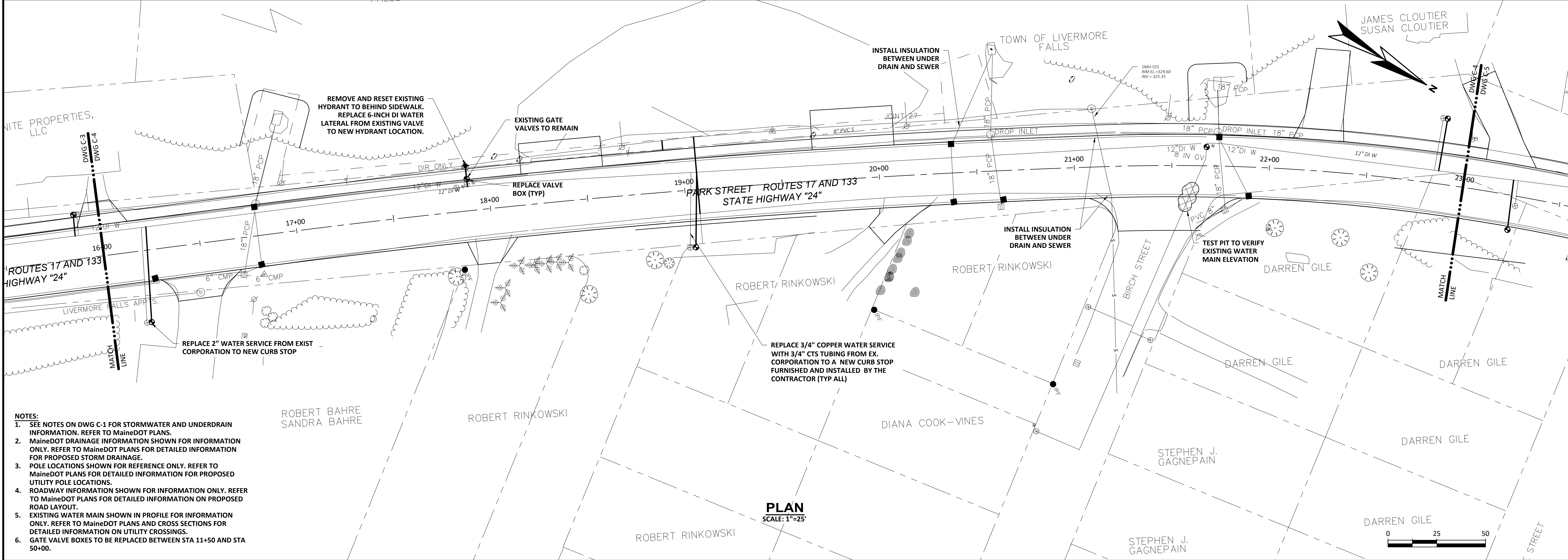
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LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

PLAN AND PROFILE: MAIN ST
STA 9+50 TO STA 16+00

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C-3

LAST SAVED BY: DANIEL METZ / 3/20/2026 2:06 PM
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REVISIONS		APPD	DATE
NO	Δ		
1	Δ		
2	Δ		
3	Δ		
4	Δ		
5	Δ		

PROJECT NO.	20947
DESIGNED BY: <td>K. DOW</td>	K. DOW
CAD COORD: <td>J. MICHAUD</td>	J. MICHAUD
CAD: <td>J. MICHAUD</td>	J. MICHAUD
CHECKED: <td>J. MICHAUD</td>	J. MICHAUD
DATE: <td>03/2026</td>	03/2026
APPROVED: <td>J. WALLACE</td>	J. WALLACE
DATE: <td>03/2026</td>	03/2026
SUBMISSION: <td>CONTRACT DOCUMENTS</td>	CONTRACT DOCUMENTS

STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
REGISTERED PROFESSIONAL ENGINEER

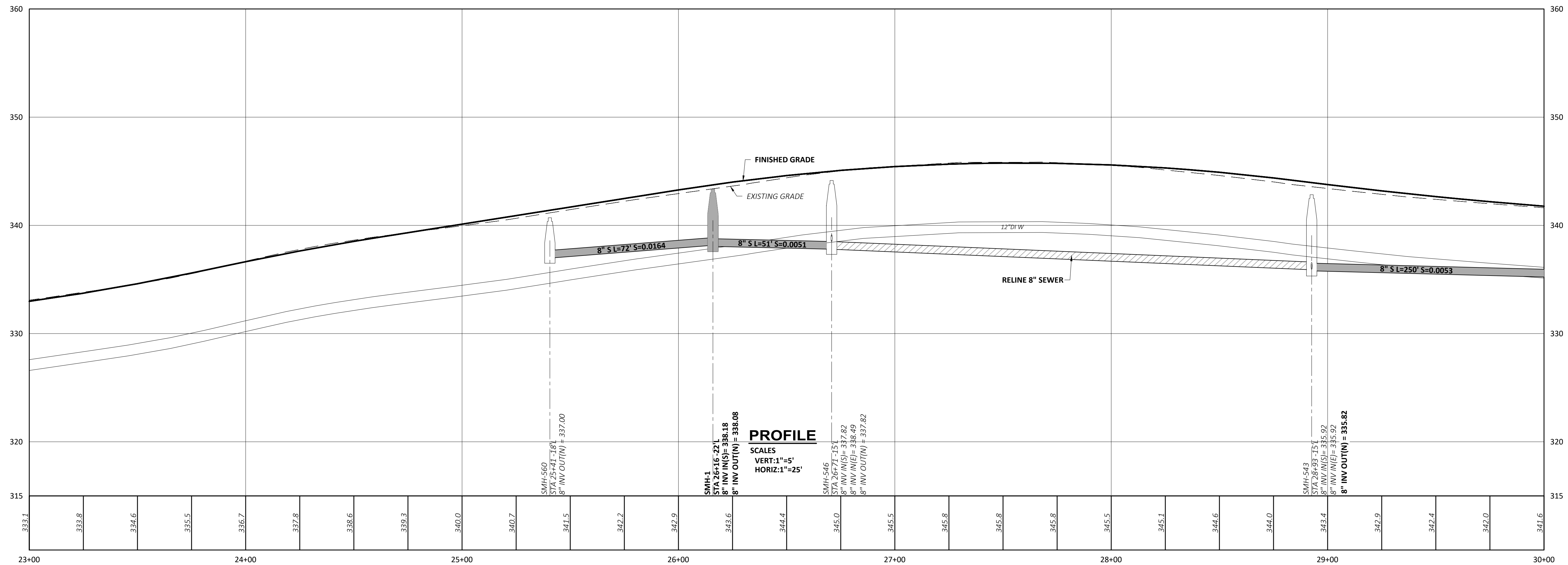
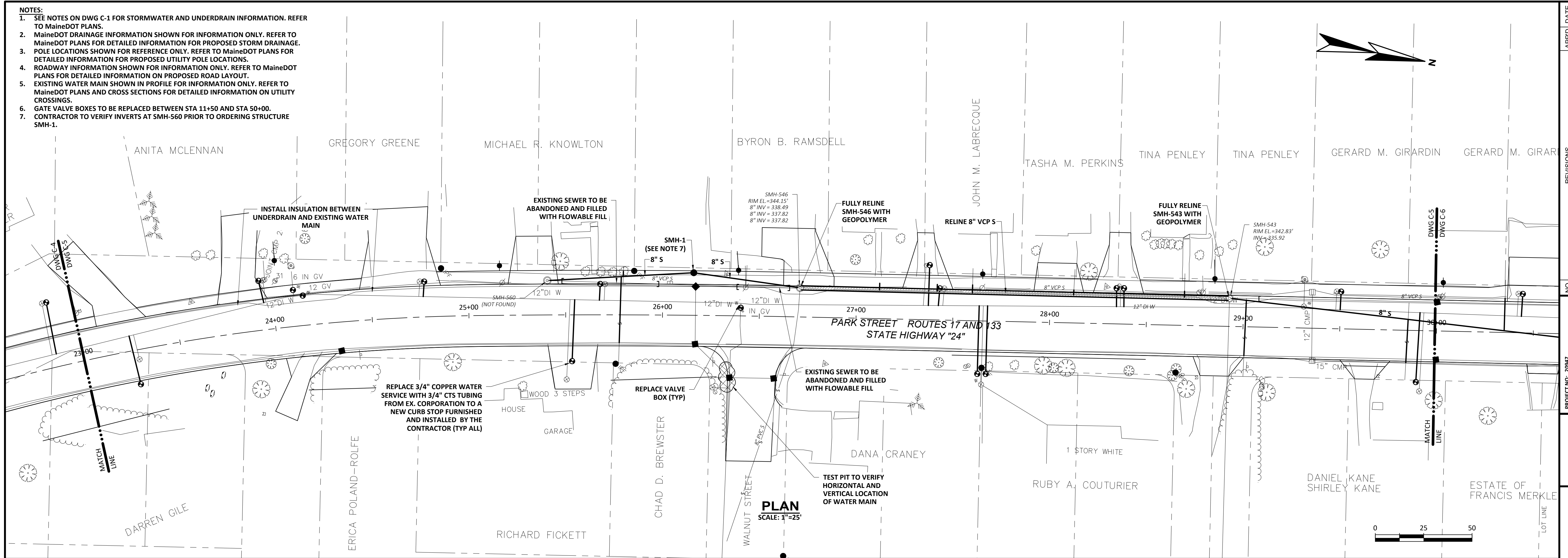
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LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

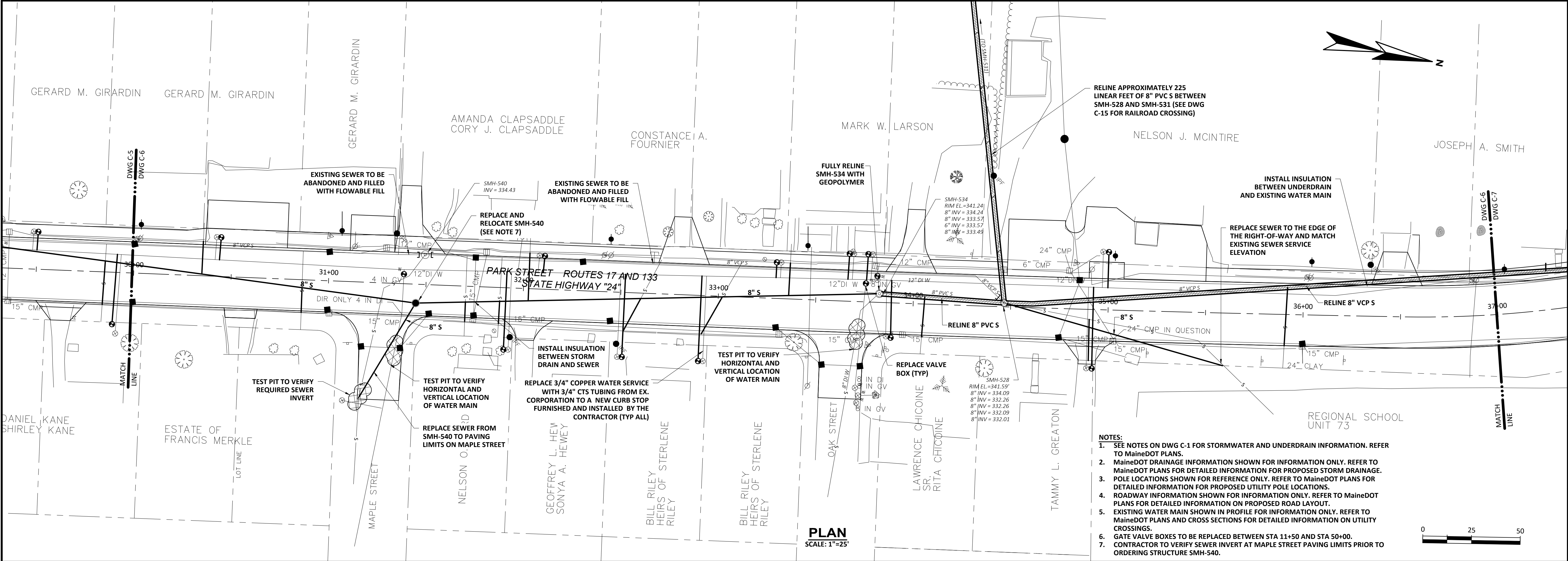
PLAN AND PROFILE: MAIN ST
STA 16+00 TO STA 23+00

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C-4

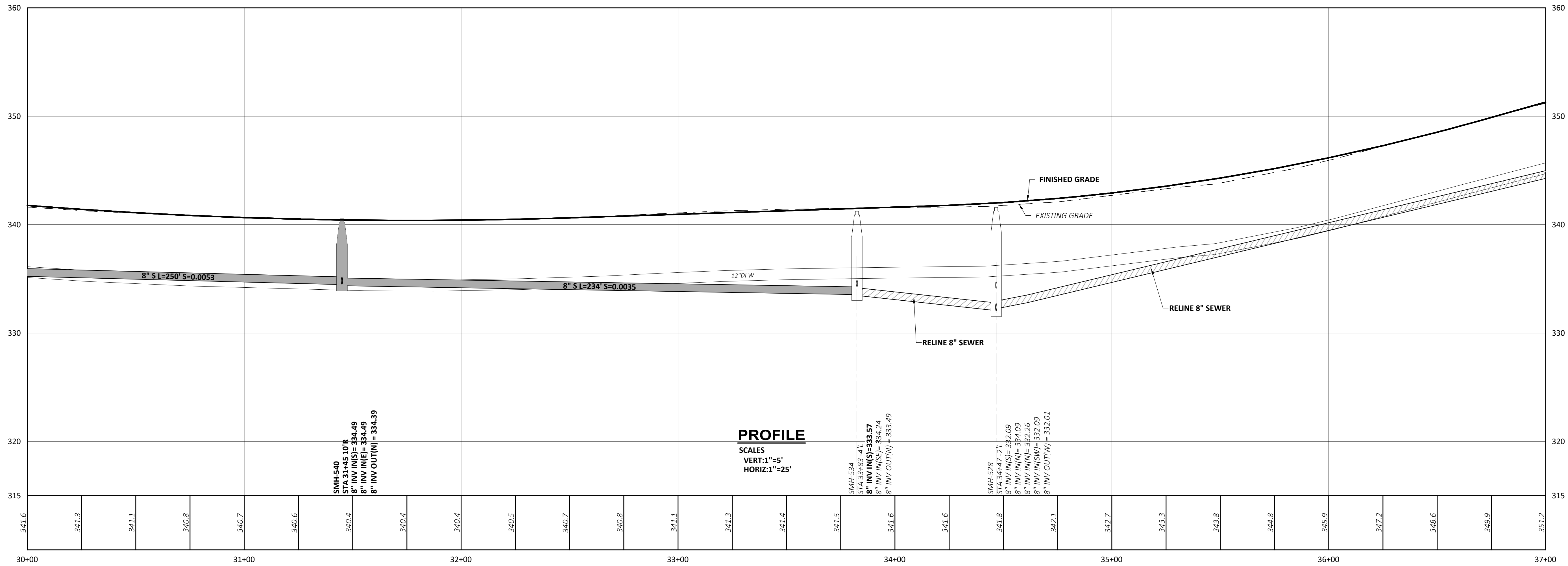
- NOTES:**
1. SEE NOTES ON DWG C-1 FOR STORMWATER AND UNDERDRAIN INFORMATION. REFER TO MaineDOT PLANS.
 2. MaineDOT DRAINAGE INFORMATION SHOWN FOR INFORMATION ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION FOR PROPOSED STORM DRAINAGE.
 3. POLE LOCATIONS SHOWN FOR REFERENCE ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION FOR PROPOSED UTILITY POLE LOCATIONS.
 4. ROADWAY INFORMATION SHOWN FOR INFORMATION ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION ON PROPOSED ROAD LAYOUT.
 5. EXISTING WATER MAIN SHOWN IN PROFILE FOR INFORMATION ONLY. REFER TO MaineDOT PLANS AND CROSS SECTIONS FOR DETAILED INFORMATION ON UTILITY CROSSINGS.
 6. GATE VALVE BOXES TO BE REPLACED BETWEEN STA 11+50 AND STA 50+00.
 7. CONTRACTOR TO VERIFY INVERTS AT SMH-560 PRIOR TO ORDERING STRUCTURE SMH-1.



DRAWING		PLAN AND PROFILE: MAIN ST LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643.00		C-5	
		 WRIGHT-PIERCE 207.725.8721 www.wright-pierre.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086			
DESIGNED:	K.DOW				
CAD COORD:	J.NICHAUD				
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DATE:	03/2026				
APPROVED:	I.WALLACE				
DATE:	03/2026				
SUBMISSION:	CONTRACT DOCUMENTS				



- NOTES:
- SEE NOTES ON DWG C-1 FOR STORMWATER AND UNDERDRAIN INFORMATION. REFER TO MaineDOT PLANS.
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 - EXISTING WATER MAIN SHOWN IN PROFILE FOR INFORMATION ONLY. REFER TO MaineDOT PLANS AND CROSS SECTIONS FOR DETAILED INFORMATION ON UTILITY CROSSINGS.
 - GATE VALVE BOXES TO BE REPLACED BETWEEN STA 11+50 AND STA 50+00.
 - CONTRACTOR TO VERIFY SEWER INVERT AT MAPLE STREET PAVING LIMITS PRIOR TO ORDERING STRUCTURE SMH-540.



REVISIONS		APPD	DATE
NO			

PROJECT NO: 20947
DESIGNED: K.DOW
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED: D.LACROIX
DATE: 08/2026
APPROVED: J.WALLACE
DATE: 08/2026
SUBMISSION: CONTRACT DOCUMENTS

STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
06-1494
PROFESSIONAL ENGINEER

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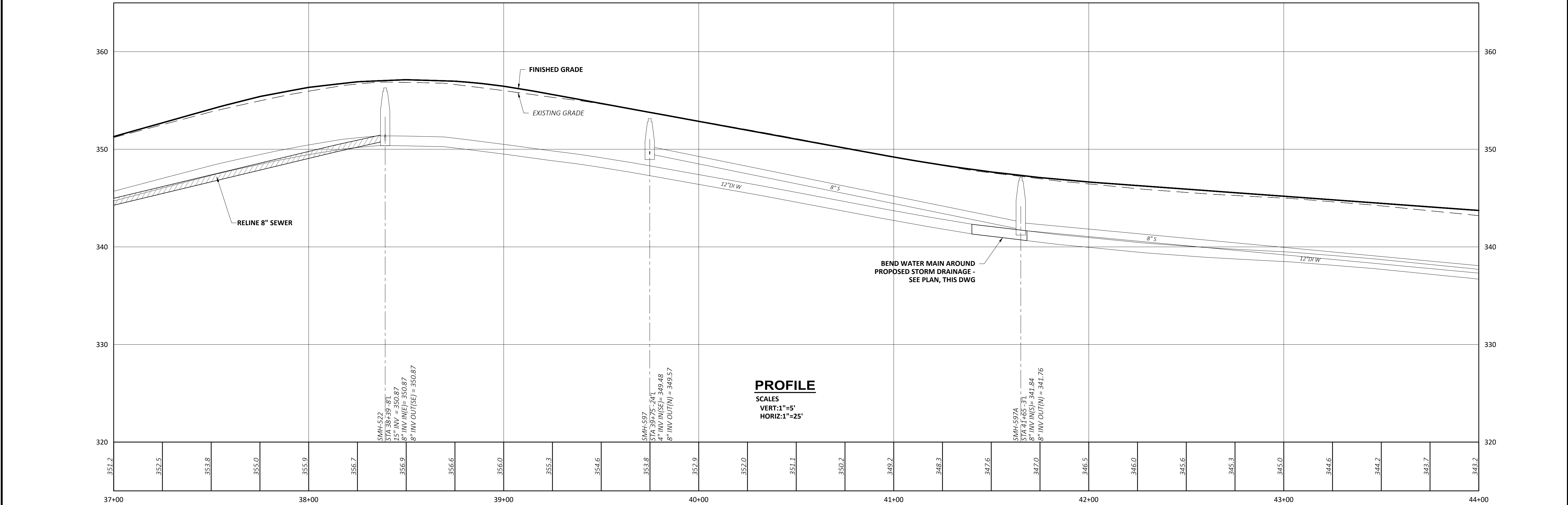
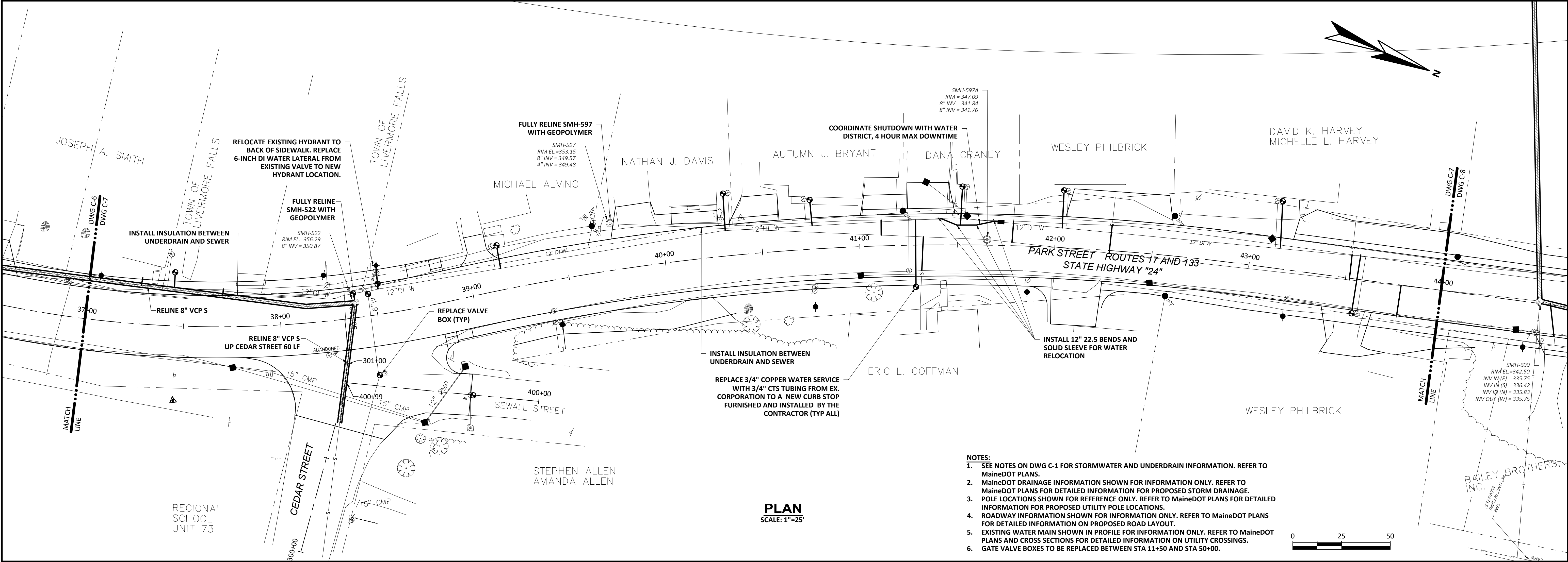
LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

PLAN AND PROFILE: MAIN ST
STA 30+00 TO STA 37+00

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REVISIONS		APPD	DATE
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PROJECT NO: 20947	DESIGNED: K.DOW
CAD COORD: J.MICHAUD	CAD: J.MICHAUD
CHECKED: D.LACROIX	DATE: 08/2026
APPROVED: J.WALLACE	DATE: 08/2026
SUBMISSION: CONTRACT DOCUMENTS	

STATE OF MAINE
JANIE C. WALLACE
06/25/2024
PROFESSIONAL ENGINEER

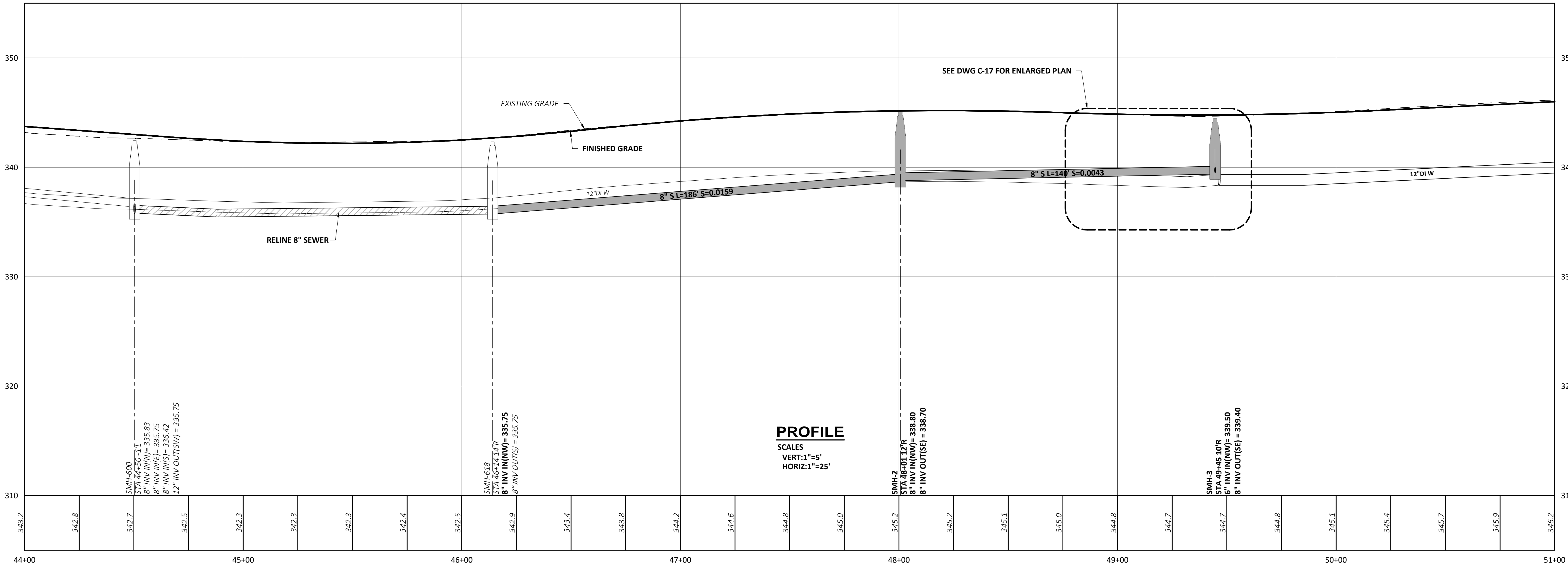
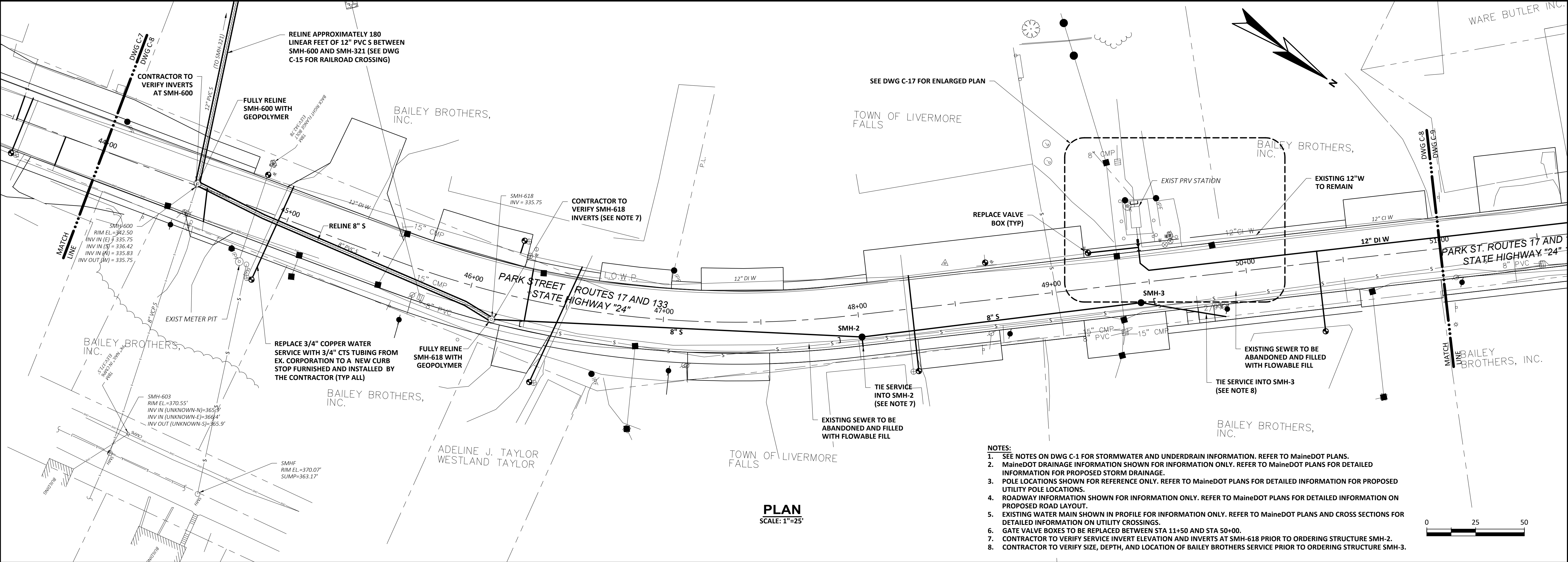
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207.725.8721 | www.wright-pierce.com
11 BOWDOIN HILL ISLAND, SUITE 140, TOPSHAM, ME 04086

**LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00**

PLAN AND PROFILE: MAIN ST
STA 37+00 TO STA 44+00

DRAWING
C-7

LAST SAVED BY: CHRISTOPHER HINKLEY 3/25/2026 11:20 AM
I:\ENGINE\LIVERMORE FALLS\31011-SEWERIMPROVEMENTS_MAINEDOT\DRAWINGS\CU\31011.CH PLAN PROFILE.DWG | 21011.CH PLAN PROFILE.DWG | 11.2.5840 | — | 3/26/2026 2:33:04 PM | CHRISTOPHER HINKLEY



REVISIONS		APPD	DATE
NO			

PROJECT NO:	20947
DESIGNED:	K.DOW
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	D.LACROIX
DATE:	03/2026
APPROVED:	J.WALLACE
DATE:	03/2026
SUBMISSION:	CONTRACT DOCUMENTS

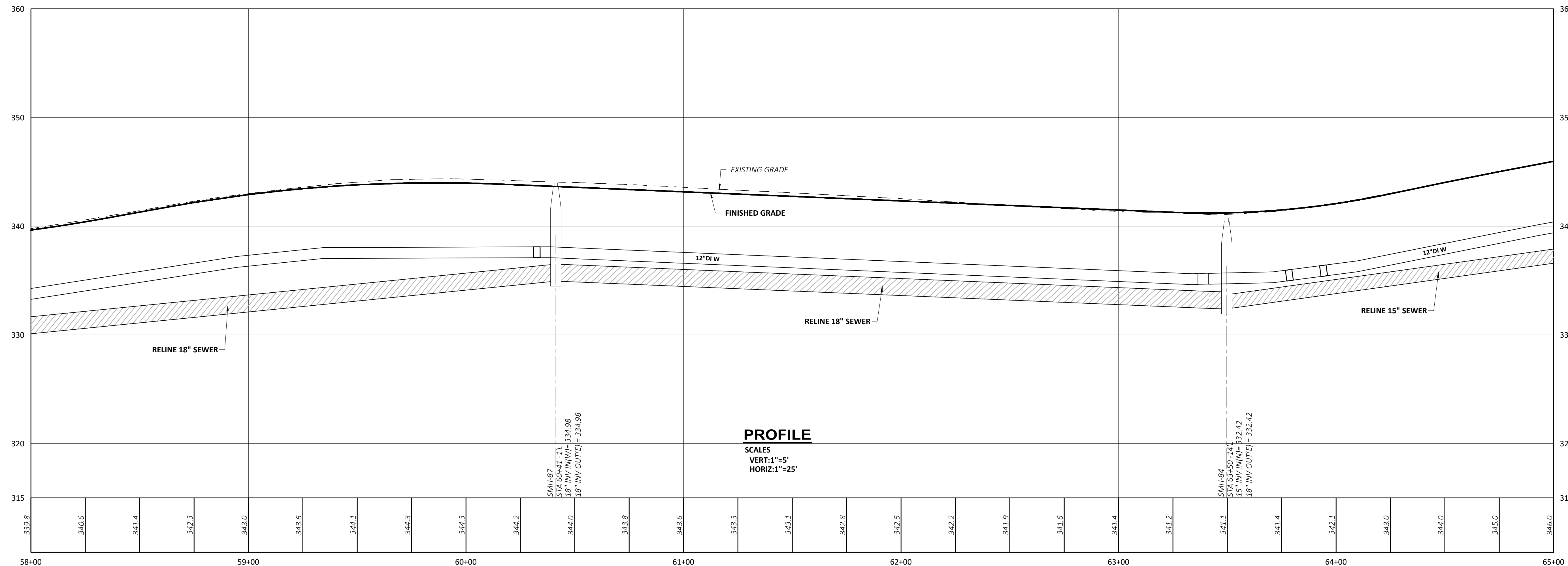
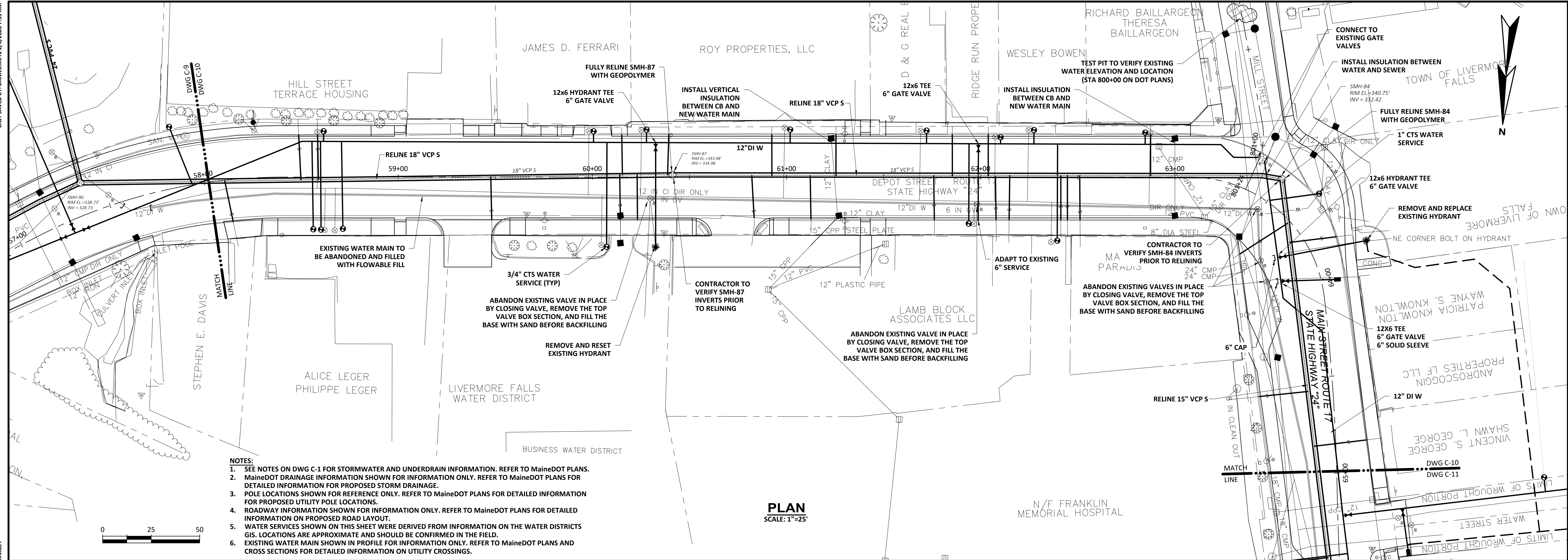
STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
06-1244-4
PROFESSIONAL ENGINEER

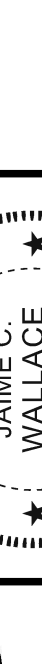
WRIGHT-PIERCE
207.725.8721 | www.wright-pierce.com
11 BOWDOIN HILL ISLAND, SUITE 140, TOPSHAM, ME 04086

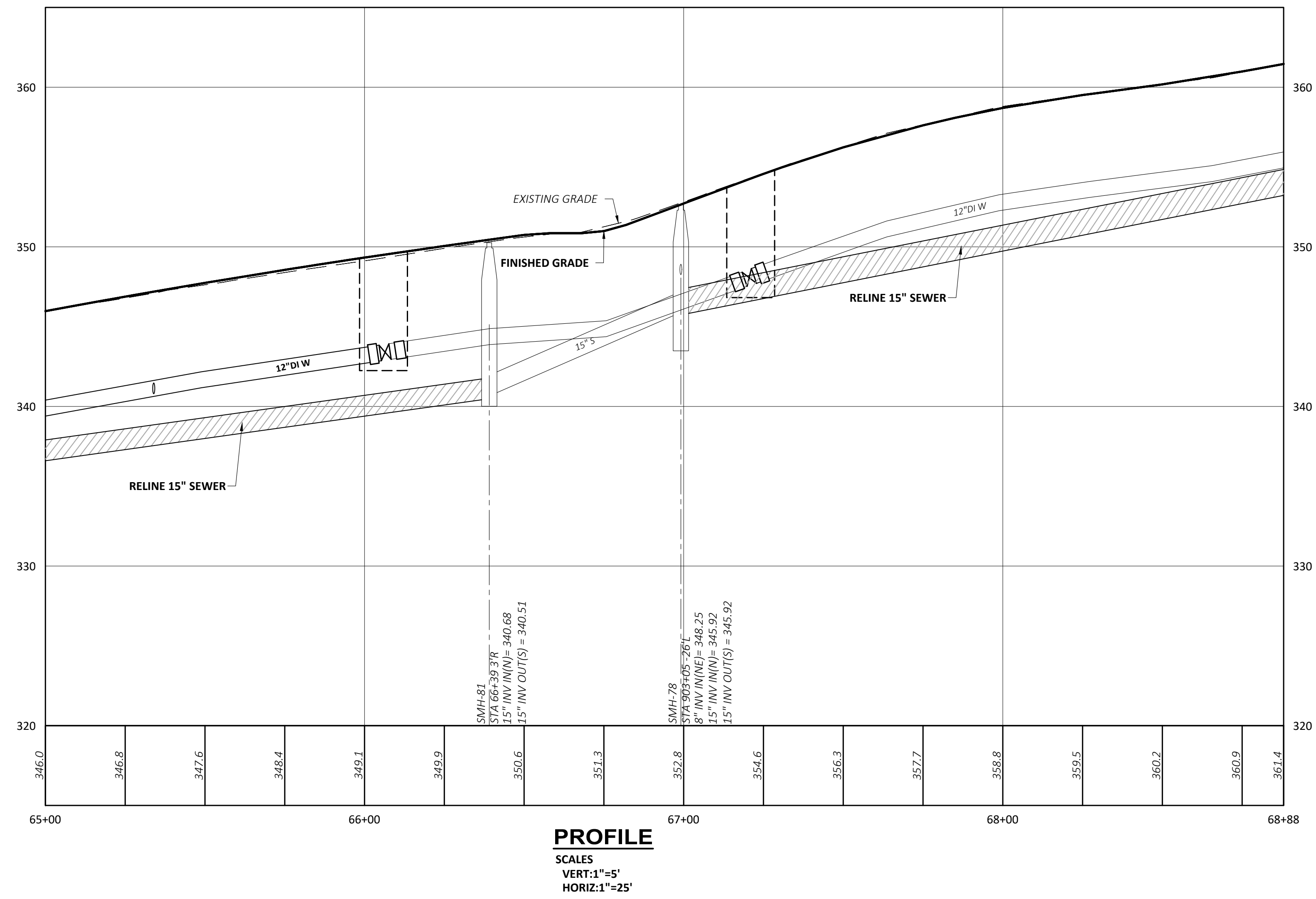
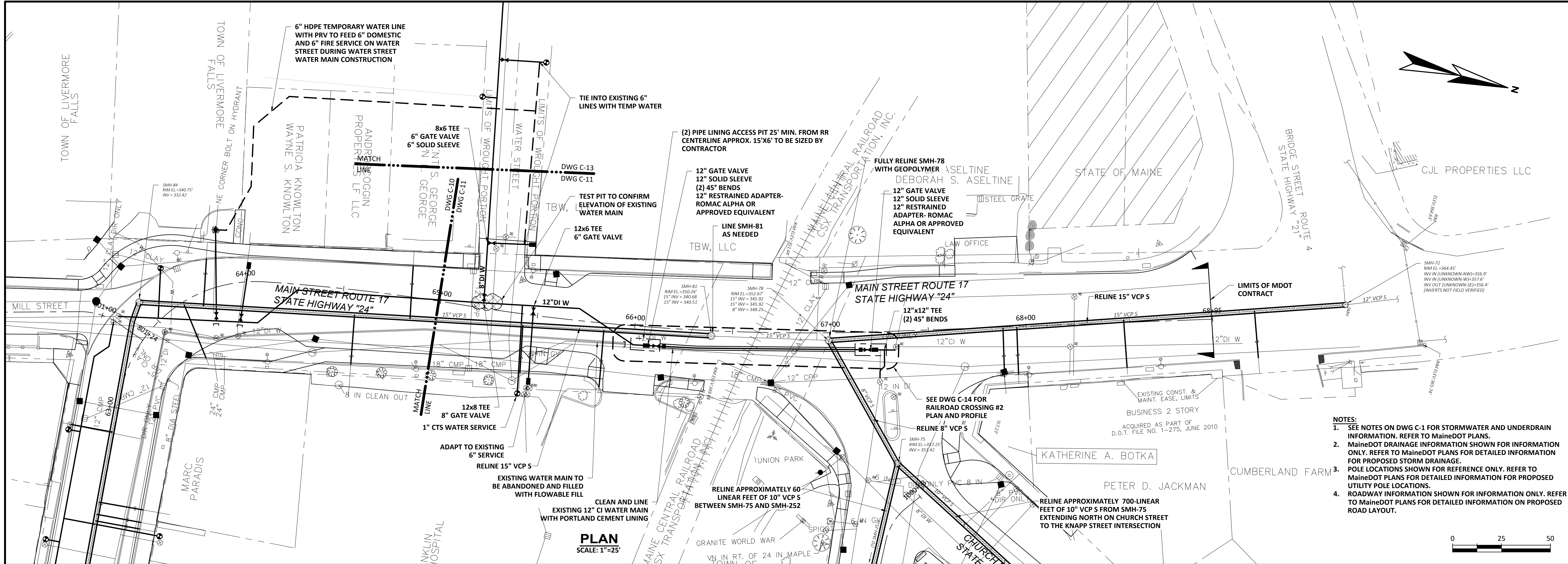
LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

PLAN AND PROFILE: MAIN ST
STA 44+00 TO STA 51+00

DRAWING
C-8

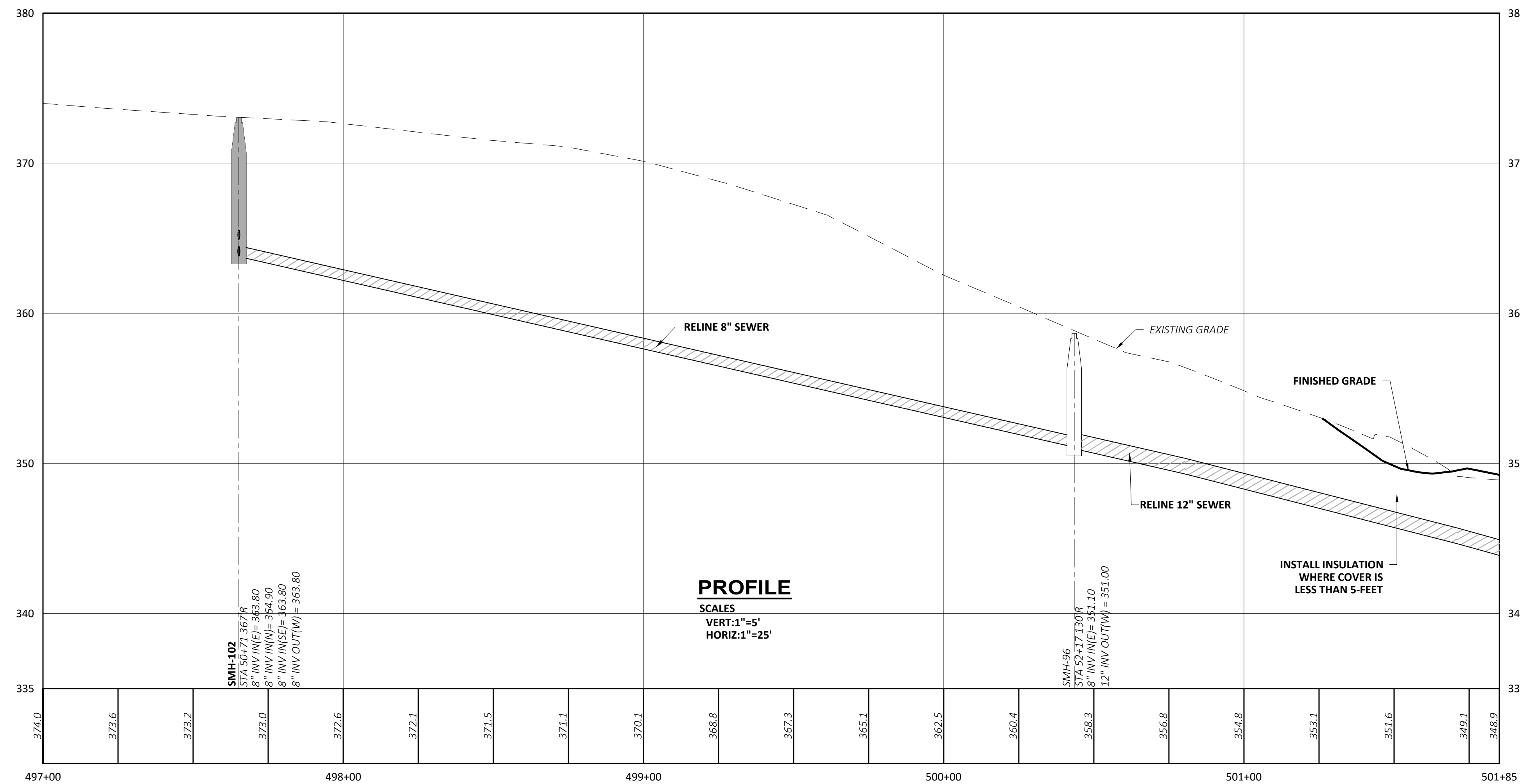
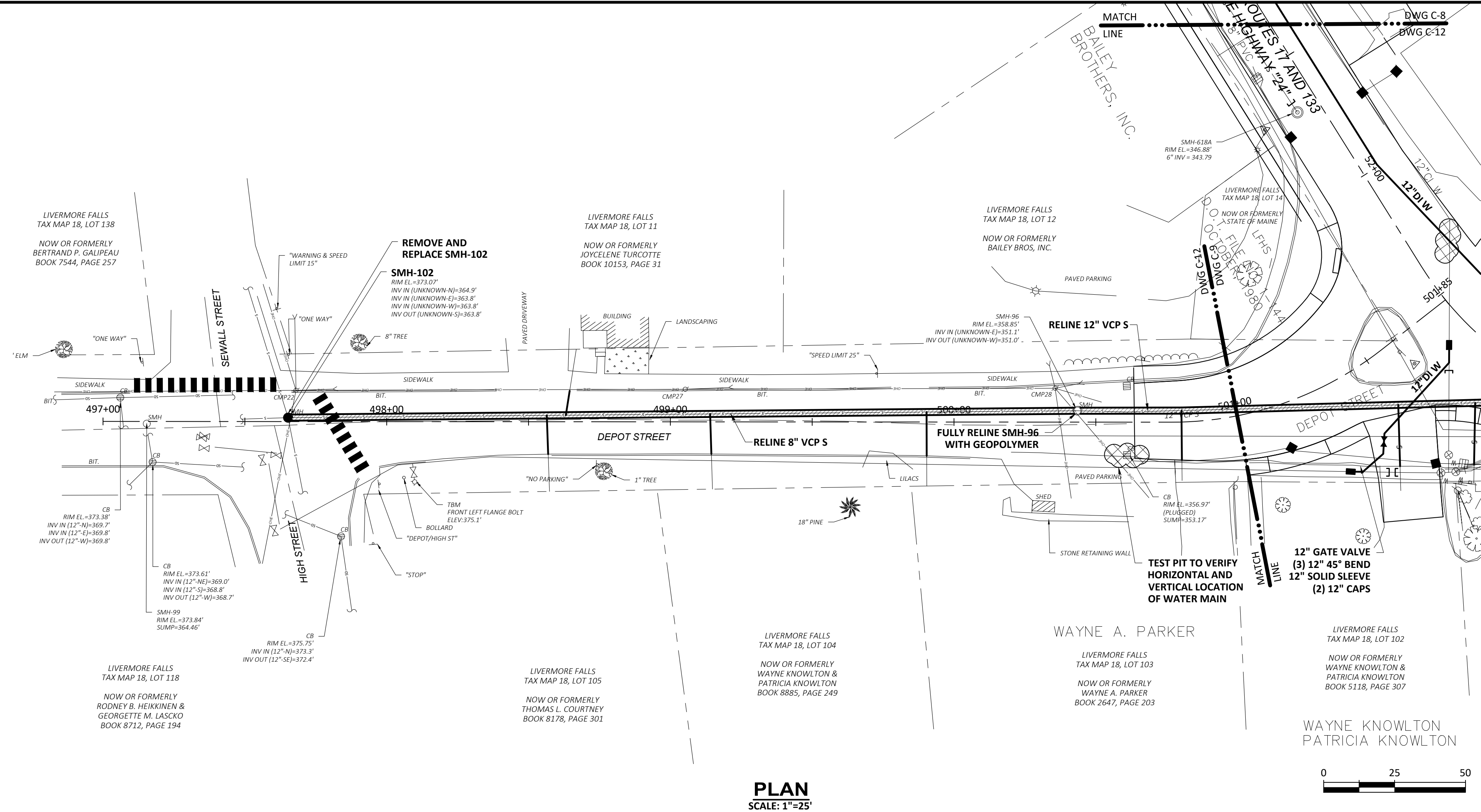


DRAWING	LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643-00		 WRIGHT-PIERCE 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086		PROJECT NO: 20897 DESIGNED: K.DOW CAD COORD: J.NICHAUD CAD: J.NICHAUD CHECKED: D.LACOMBE DATE: 03/2026 APPROVED: J.WALLACE DATE: 03/2026 SUBMISSION: CONTRACT DOCUMENTS	NO A A A A A A	REVISIONS	APP'D DATE
	PLAN AND PROFILE: MAIN ST STA 58+00 TO STA 65+00							
C-10								

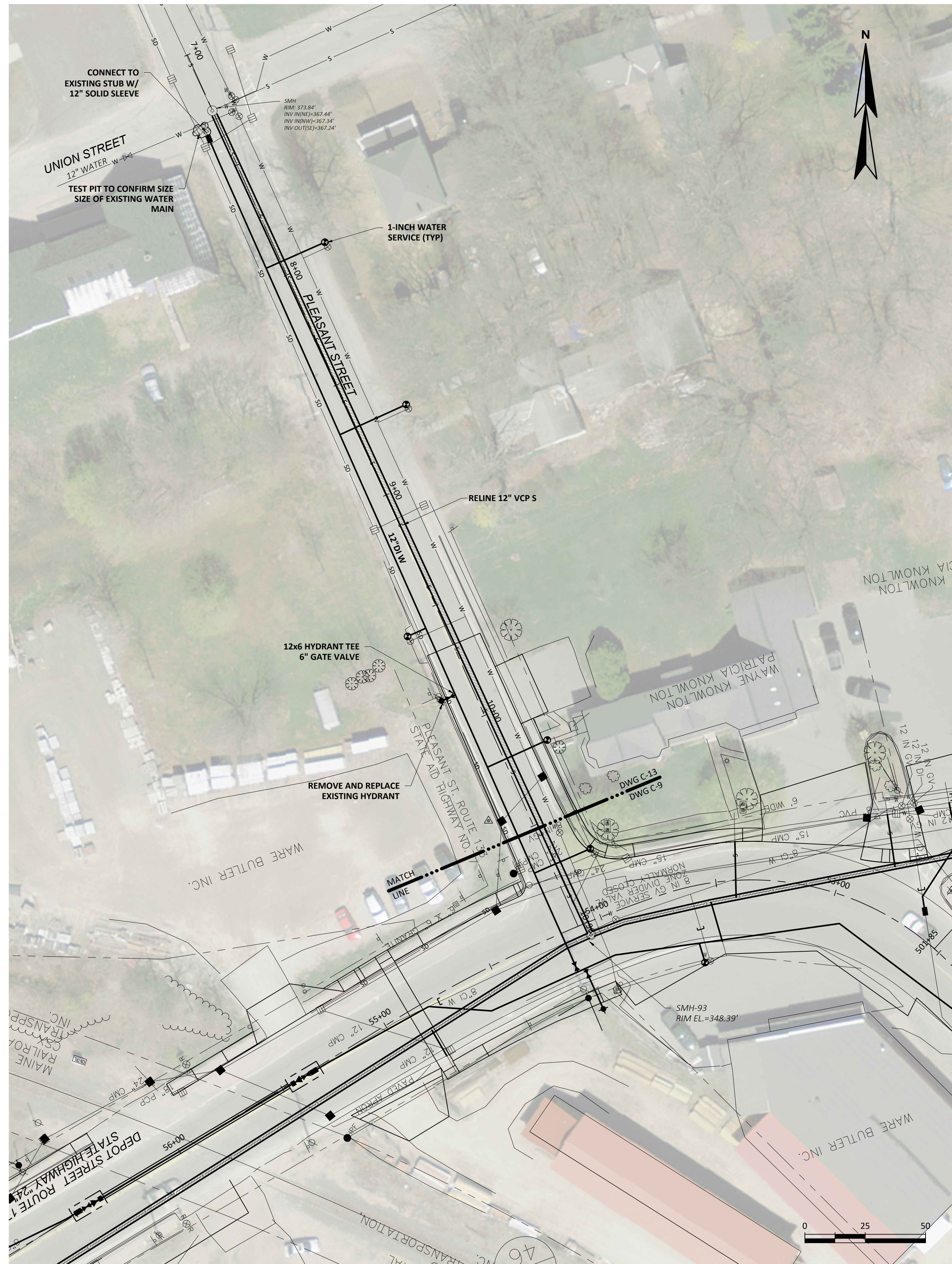


LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643-00 PLAN AND PROFILE: MAIN ST STA 65+00 TO STA 68+88	 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086		PROJECT NO.: 20947	NO	REVISIONS	APPD	DATE	
			DESIGNED: K.DOW	△				
			CAD COORD: J.MICHAUD	△				
			CAD: J.MICHAUD	△				
			CHECKED: D.LACOMBE	△				
			DATE: 03/2026	△				
			APPROVED: J.WALLACE	△				
			DATE: 03/2026	△				
			SUBMISSION: CONTRACT DOCUMENTS					

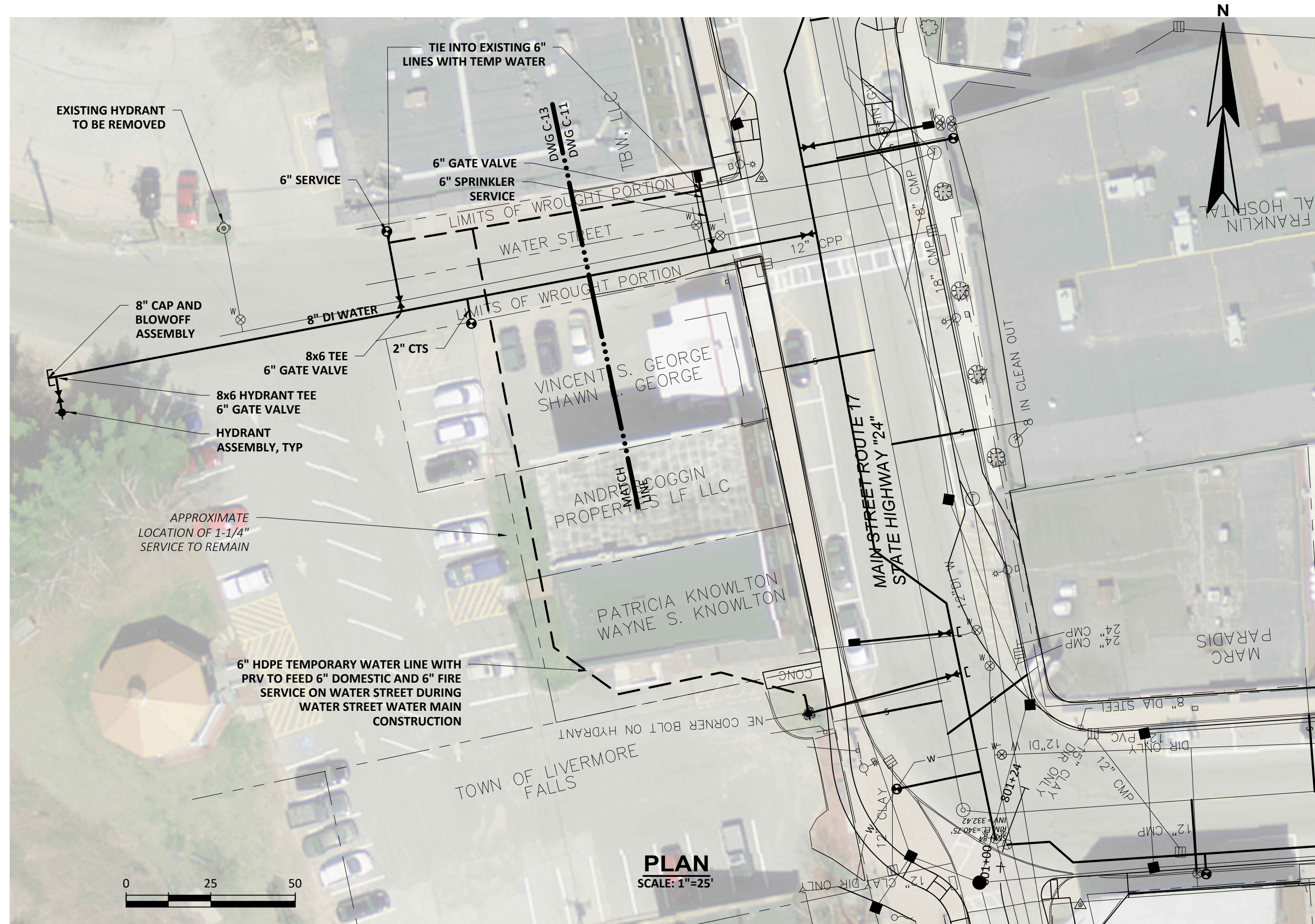
C-11



DRAWING	LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643.00	 WRIGHT-PIERCE 207.725.8721 www.wright-pierce.com 11 BOWDOIN HILL ISLAND, SUITE 140, TOPSHAM, ME 04086			PROJECT NO.: 20947		
					DESIGNED: K.DOW		
					CAD COORD: J.MICHAUD		
					CAD: J.MICHAUD		
					CHECKED: D.JACOMBE		
	PLAN AND PROFILE: DEPOT STREET STA 497+00 TO STA 501+85	DATE: 03/2026					
		APPROVED: J.WALLACE					
		DATE: 03/2026					
		SUBMISSION: CONTRACT DOCUMENTS					

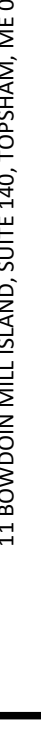
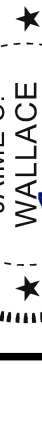


PLAN
SCALE: 1"=25'



PLAN
SCALE: 1"=25'

- NOTES:**
1. SEE NOTES ON DWG C-1 FOR STORMWATER AND UNDERDRAIN INFORMATION. REFER TO MaineDOT PLANS.
 2. MaineDOT DRAINAGE INFORMATION SHOWN FOR INFORMATION ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION FOR PROPOSED STORM DRAINAGE.
 3. POLE LOCATIONS SHOWN FOR REFERENCE ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION FOR PROPOSED UTILITY POLE LOCATIONS.
 4. ROADWAY INFORMATION SHOWN FOR INFORMATION ONLY. REFER TO MaineDOT PLANS FOR DETAILED INFORMATION ON PROPOSED ROAD LAYOUT.
 5. EXISTING WATER MAIN SHOWN IN PROFILE FOR INFORMATION ONLY. REFER TO MaineDOT PLANS AND CROSS SECTIONS FOR DETAILED INFORMATION ON UTILITY CROSSINGS.

DRAWING	LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643-00	 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086		PROJECT NO: 20897 DESIGNED: K.DOW CAD COORD: J.NICHAUD CAD: J.NICHAUD CHECKED: D.LACOMBE DATE: 03/2026 APPROVED: J.WALLACE DATE: 03/2026 SUBMISSION: CONTRACT DOCUMENTS	NO	REV/ISSIONS	APPD. DATE
	C-13 PLANS: WATER AND PLEASANT STREETS						



SCALES
VERT: 1"=5'
HORIZ: 1"=25'

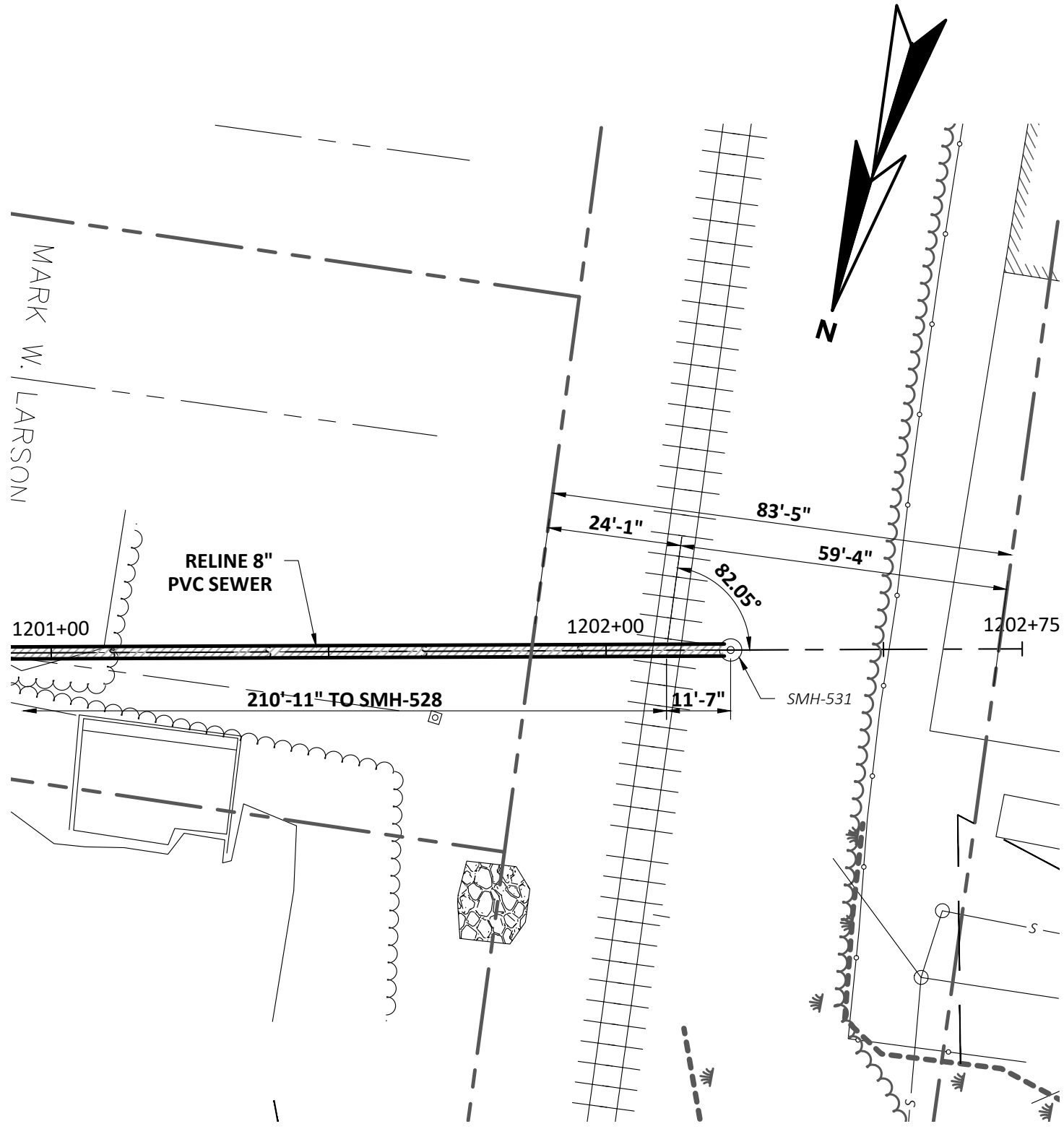


SCALES
VERT: 1"=5'
HORIZ: 1"=25'

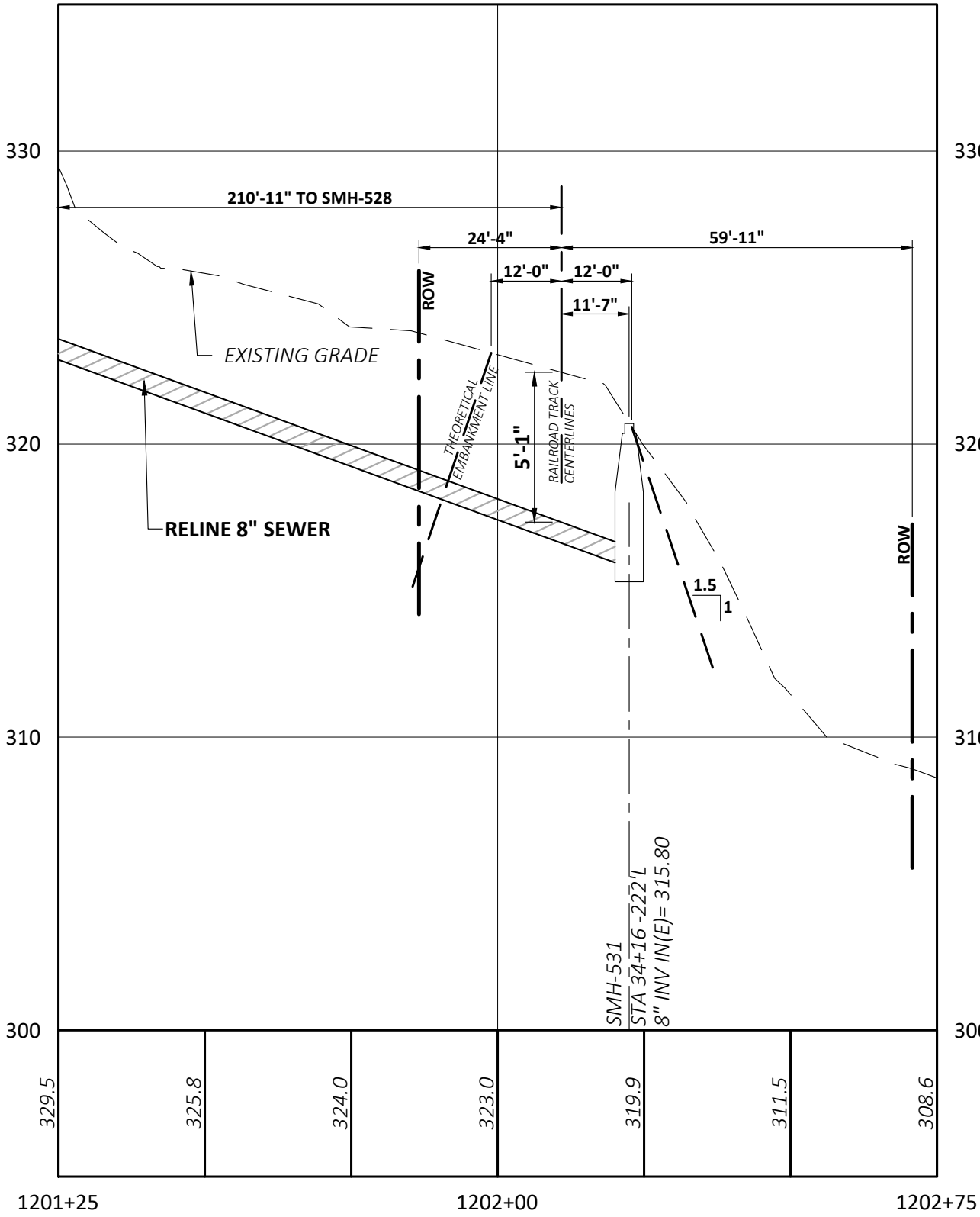


SCALES
VERT:1"=5'
HORIZ:1"=25'

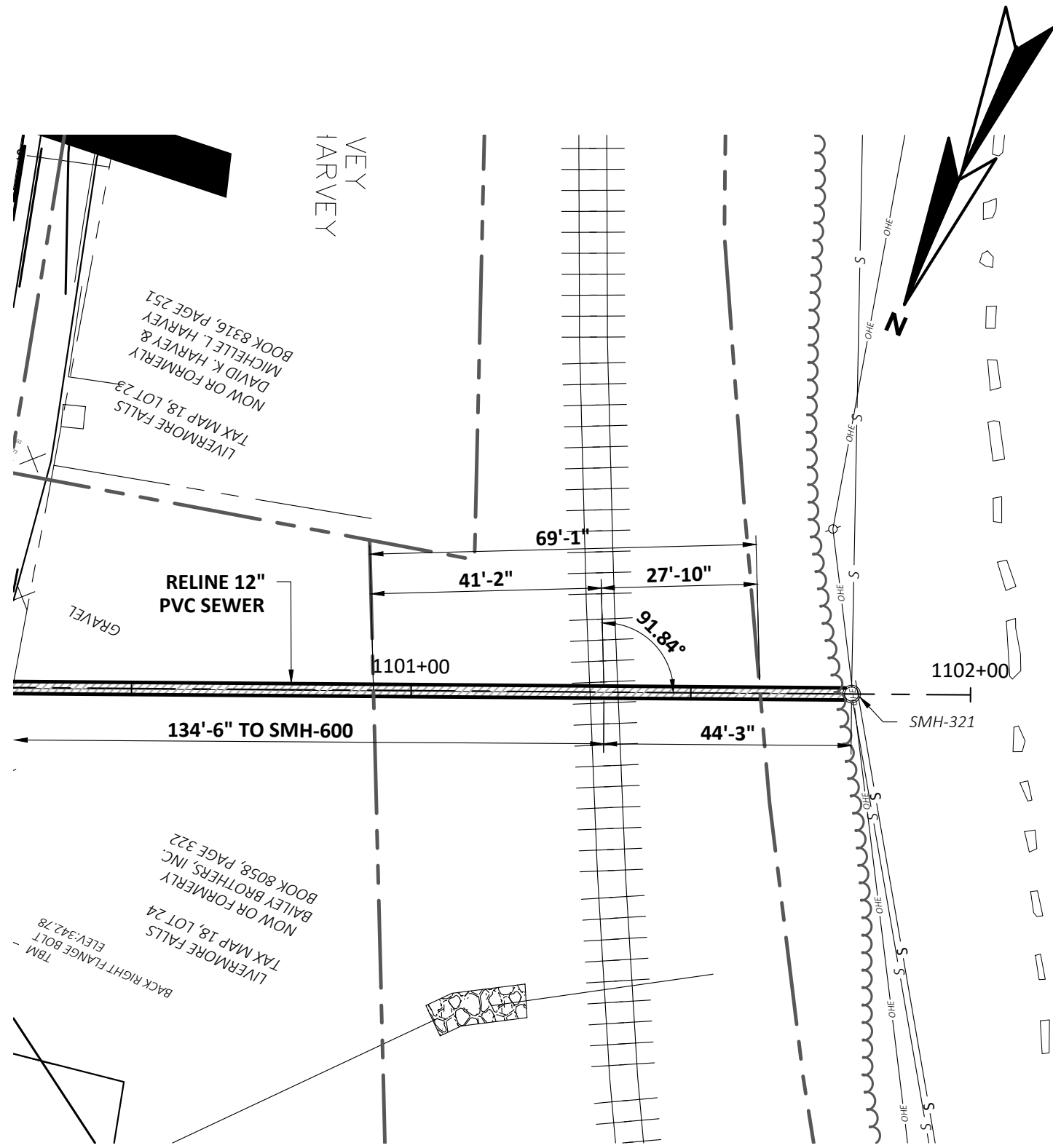
LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643-00	DETAILS I		WRIGHT-PIERCE 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086	PROJECT NO.: 20947 DESIGNED: K.DOW CAD COORD: J.MICHAUD CAD: J.MICHAUD CHECKED: D.LACOMBE DATE: 03/2026 APPROVED: J.WALLACE DATE: 03/2026 SUBMISSION: CONTRACT DOCUMENTS	NO APPD DATE
				REVISIONS	Δ Δ Δ Δ Δ Δ



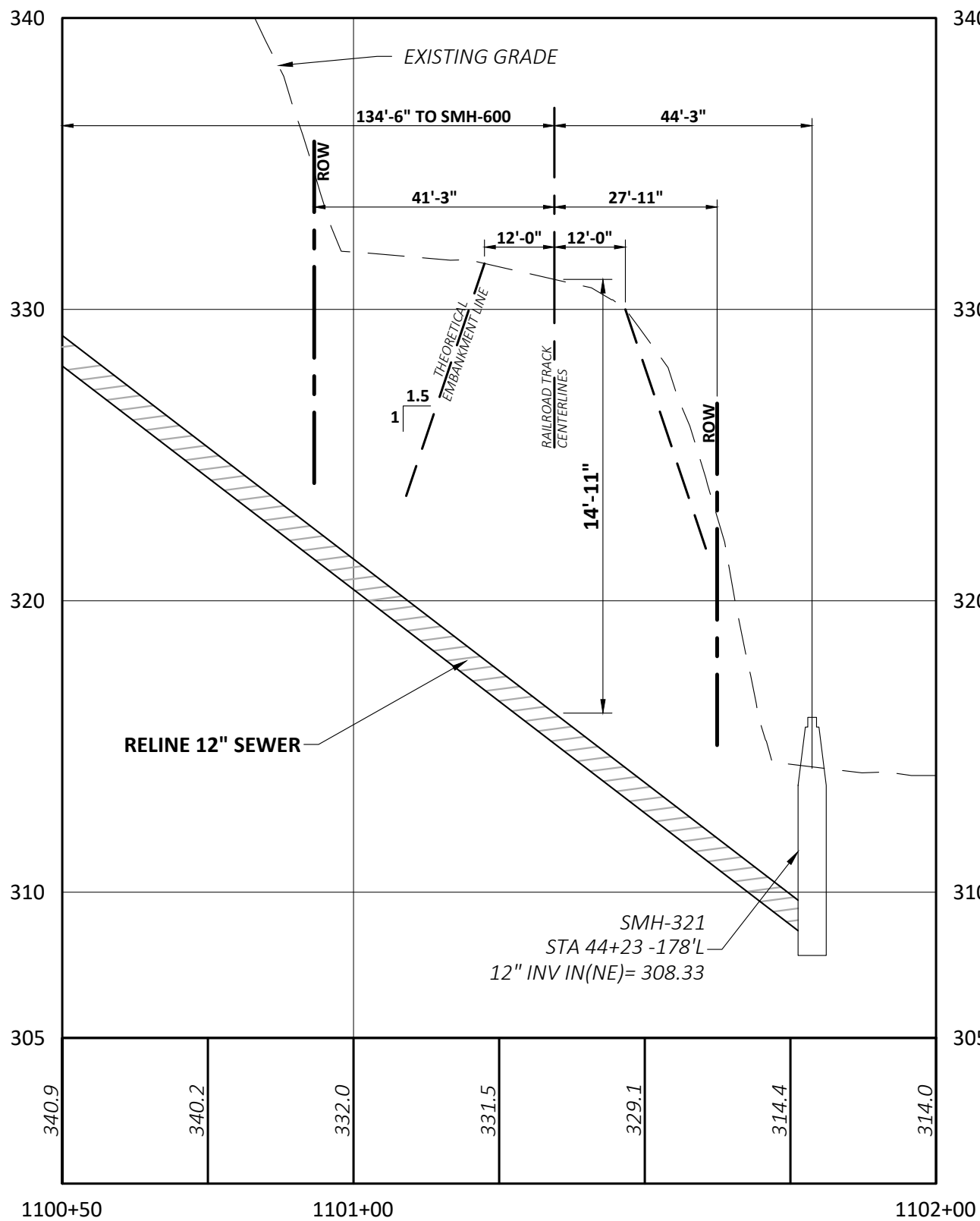
RAILROAD CROSSING #3 PLAN - SEWER
SCALE: 1"=25'



RAILROAD CROSSING #3 PROFILE - SEWER
SCALES
VERT: 1"=5'
HORIZ: 1"=25'



RAILROAD CROSSING #4 PLAN - SEWER
SCALE: 1"=25'



RAILROAD CROSSING #4 PROFILE - SEWER
SCALES
VERT: 1"=5'
HORIZ: 1"=25'

PROJECT NO: 20947
DESIGNED: K.DOW
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED: J.LACROIX
DATE: 03/2026
APPROVED: J.WALLACE
DATE: 03/2026
SUBMISSION: CONTRACT DOCUMENTS

NO

REVISIONS

APPD

DATE

STATE OF MAINE
3/25/2026
JAMIE C. WALLACE
P.E. LICENSED
PROFESSIONAL ENGINEER

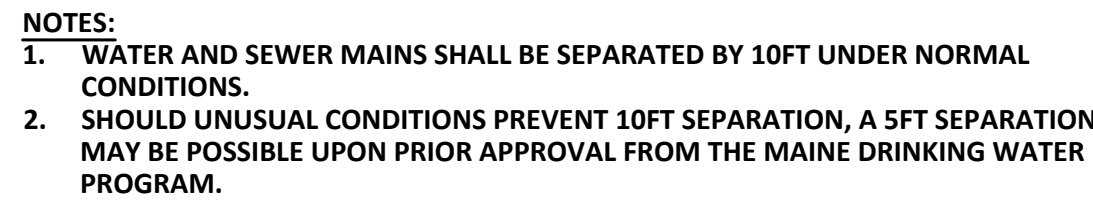
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LIVERMORE FALLS, MAINE
ROUTE 17 UTILITY IMPROVEMENTS
WIN 22643.00

DRAWING

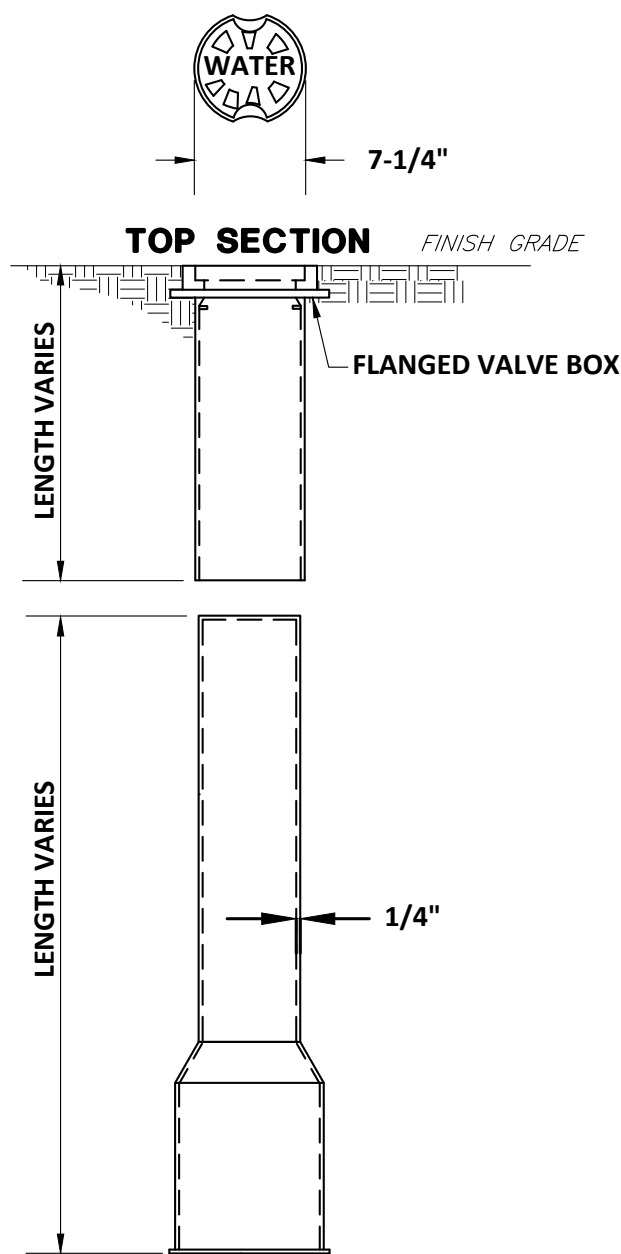
C-15

DETAILS II



SEWER AND WATER MAIN SEPARATION

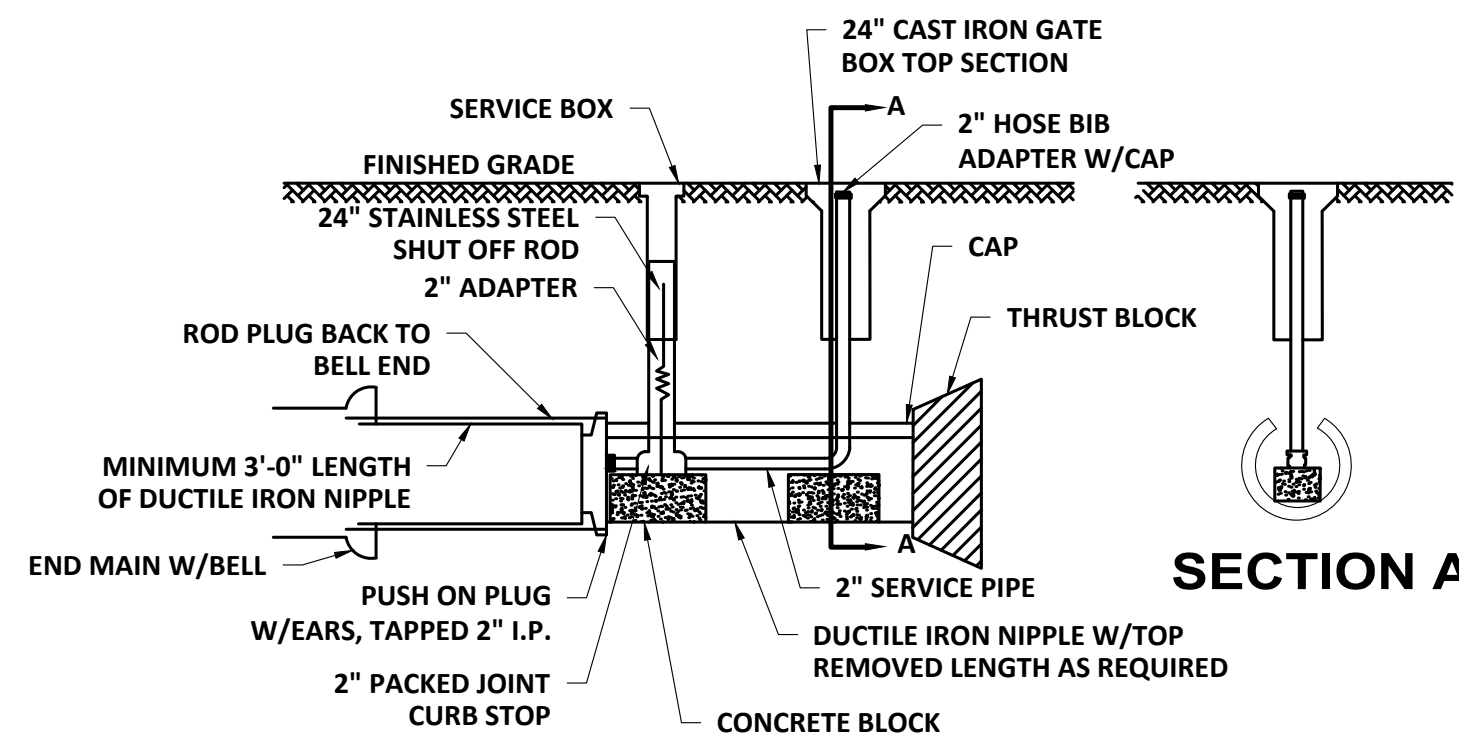
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BELLED BASE SECTION

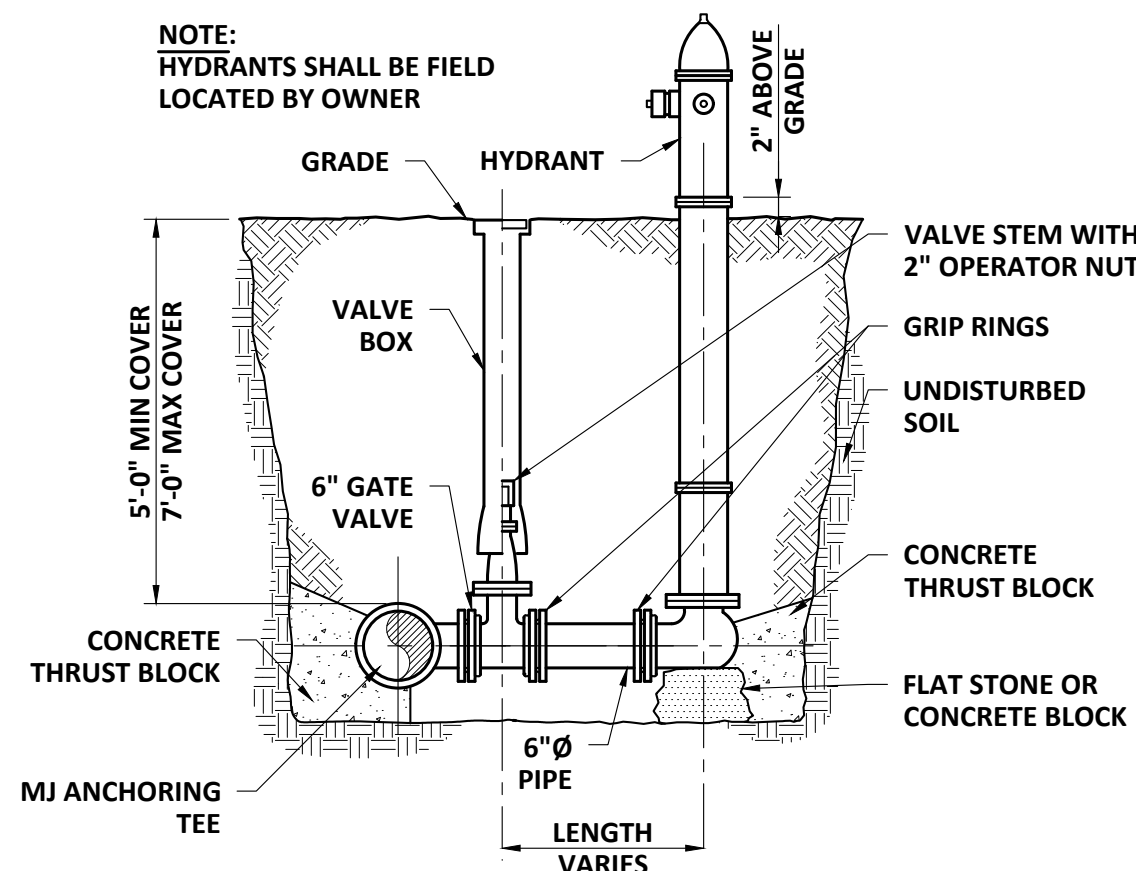
2-PIECE SLIDING VALVE BOX

NTS



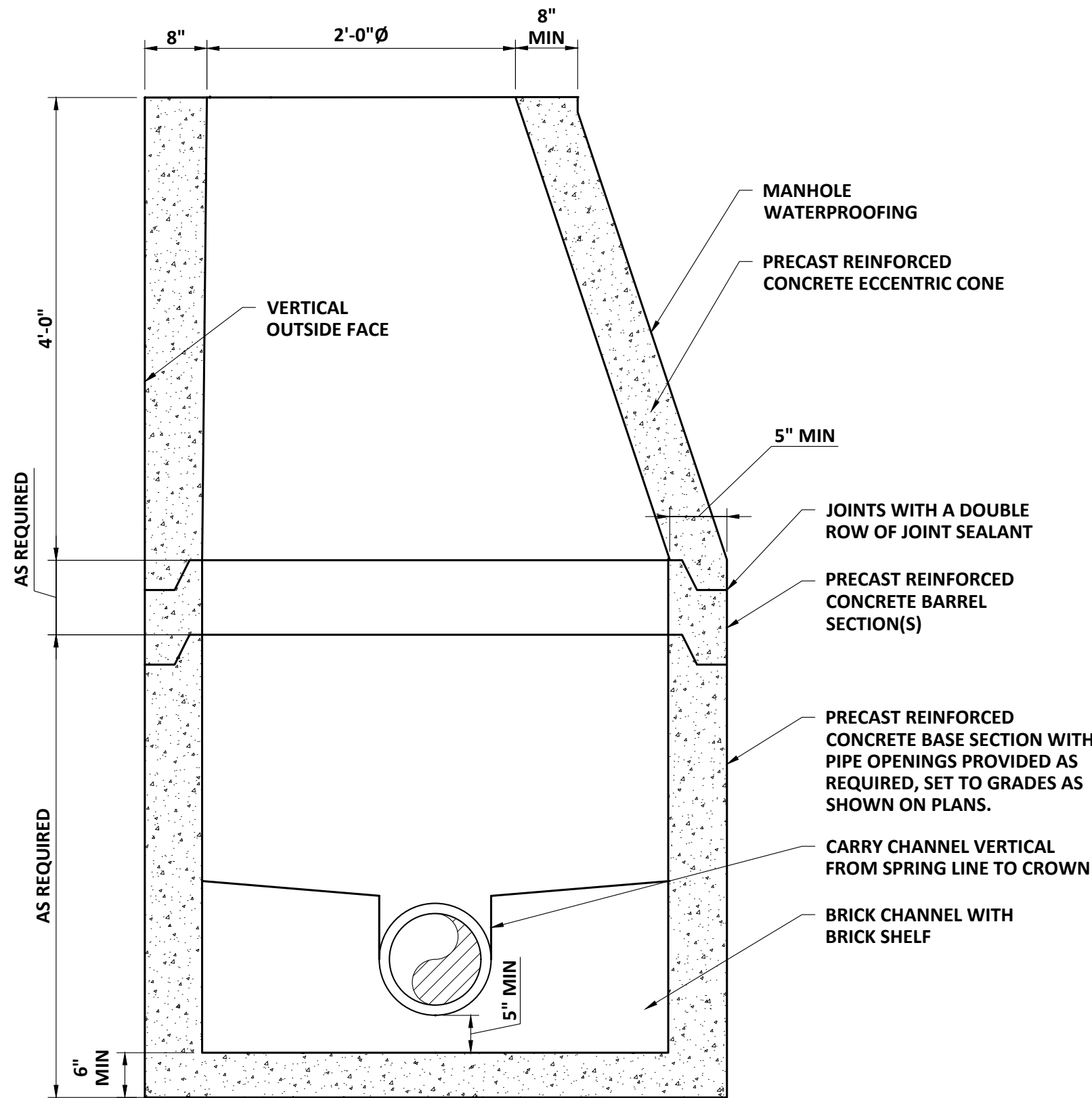
TYPICAL BLOW-OFF

NTS



HYDRANT CONNECTION

SCALE: NTS

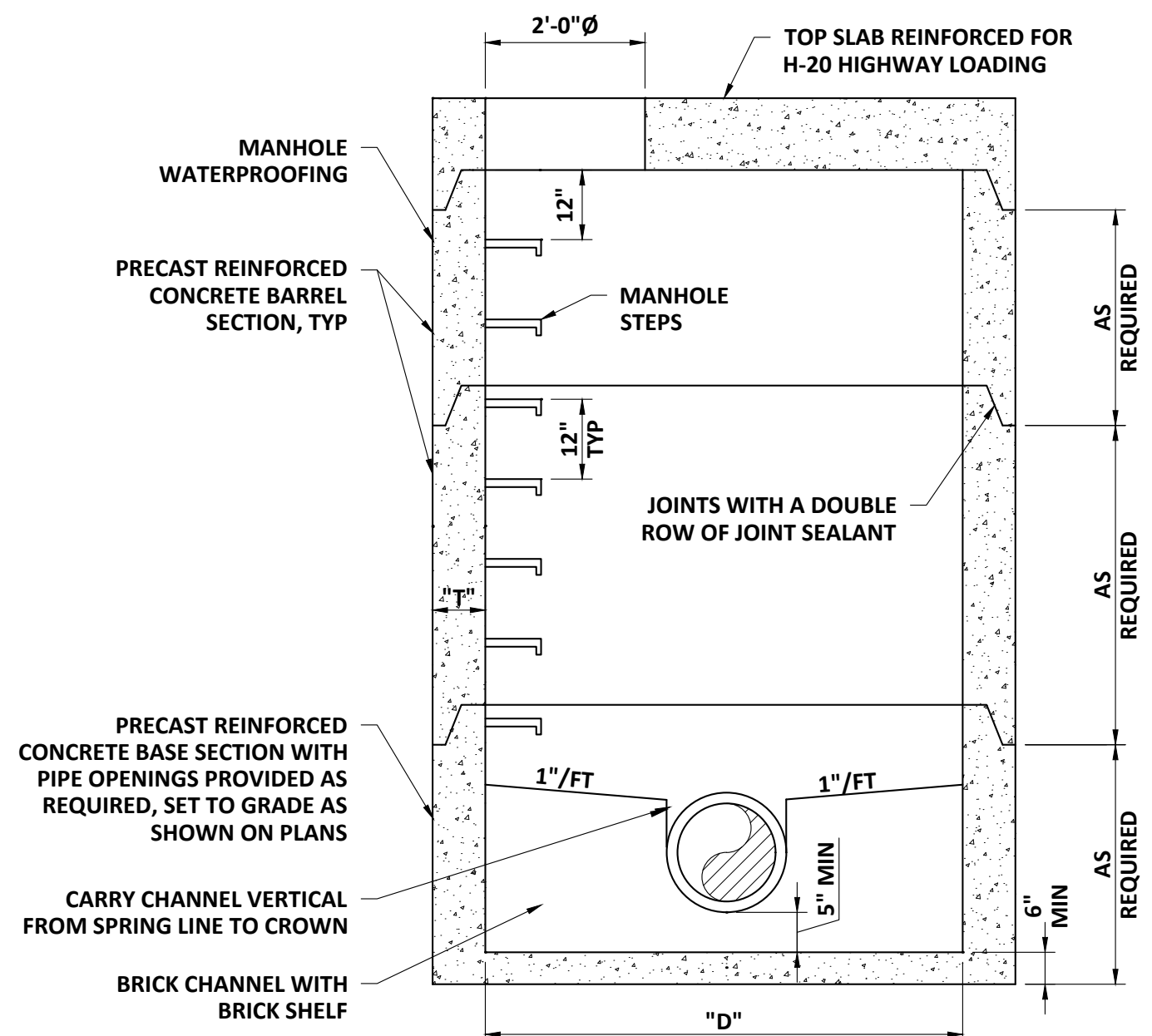


NOTES:

1. MANHOLE CHANNELS REQUIRING A CHANGE IN DIRECTION ARE TO BE BUILT ON A SMOOTH CURVE OF THE LONGEST POSSIBLE RADIUS. IF SIDE PIPES ENTER CHANNEL, SHAPE TO RECEIVE ADDED SIDE FLOW.
2. USE A FLAT SLAB TOP MANHOLE WHEN THE HEIGHT DIFFERENCE BETWEEN THE HIGHEST INVERT AND RIM IS LESS THAN 6'-0" AND WHEN MANHOLE DIAMETER IS GREATER THAN 4'-0".

TYPICAL 4-FT MANHOLE

SCALE: "NTS"



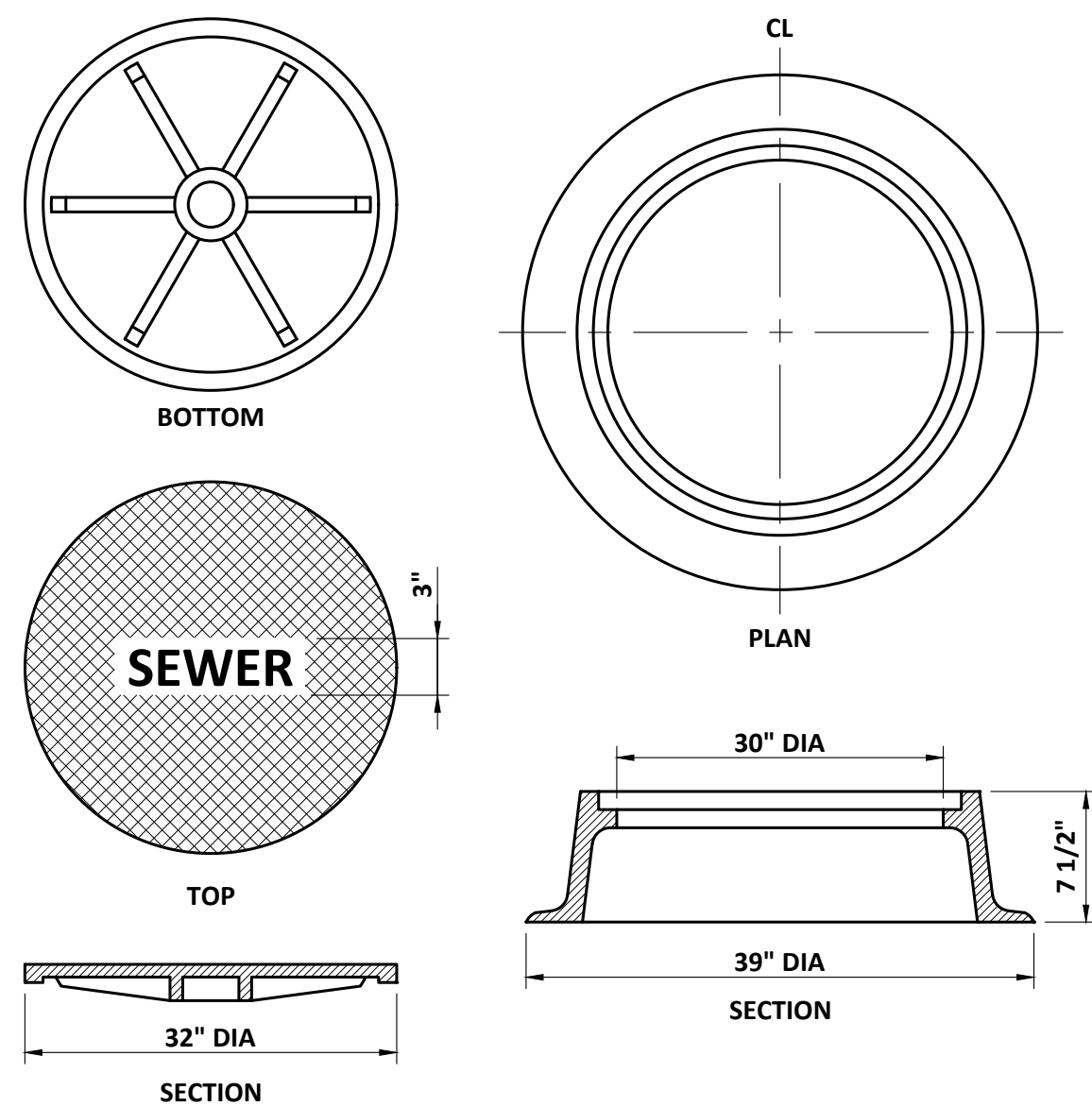
NOTE:

MANHOLE CHANNELS REQUIRING CHANGE IN ALIGNMENT ARE TO BE BUILT ON A SMOOTH RADIUS. IF SIDE PIPES ENTER CHANNEL, SHAPE TO RECEIVE ADDED SIDE FLOW.

<u>DIAMETER ("D")</u>	<u>MAX PIPE DIAMETER STRAIGHT THRU TO 45° DEFLECTION</u>	<u>MINIMUM WALL THICKNESS ("T")</u>
48"	UP TO 30" O.D.	5"
60"	UP TO 44" O.D.	6"
72"	UP TO 51" O.D.	7"
96"	UP TO 72" O.D.	9"

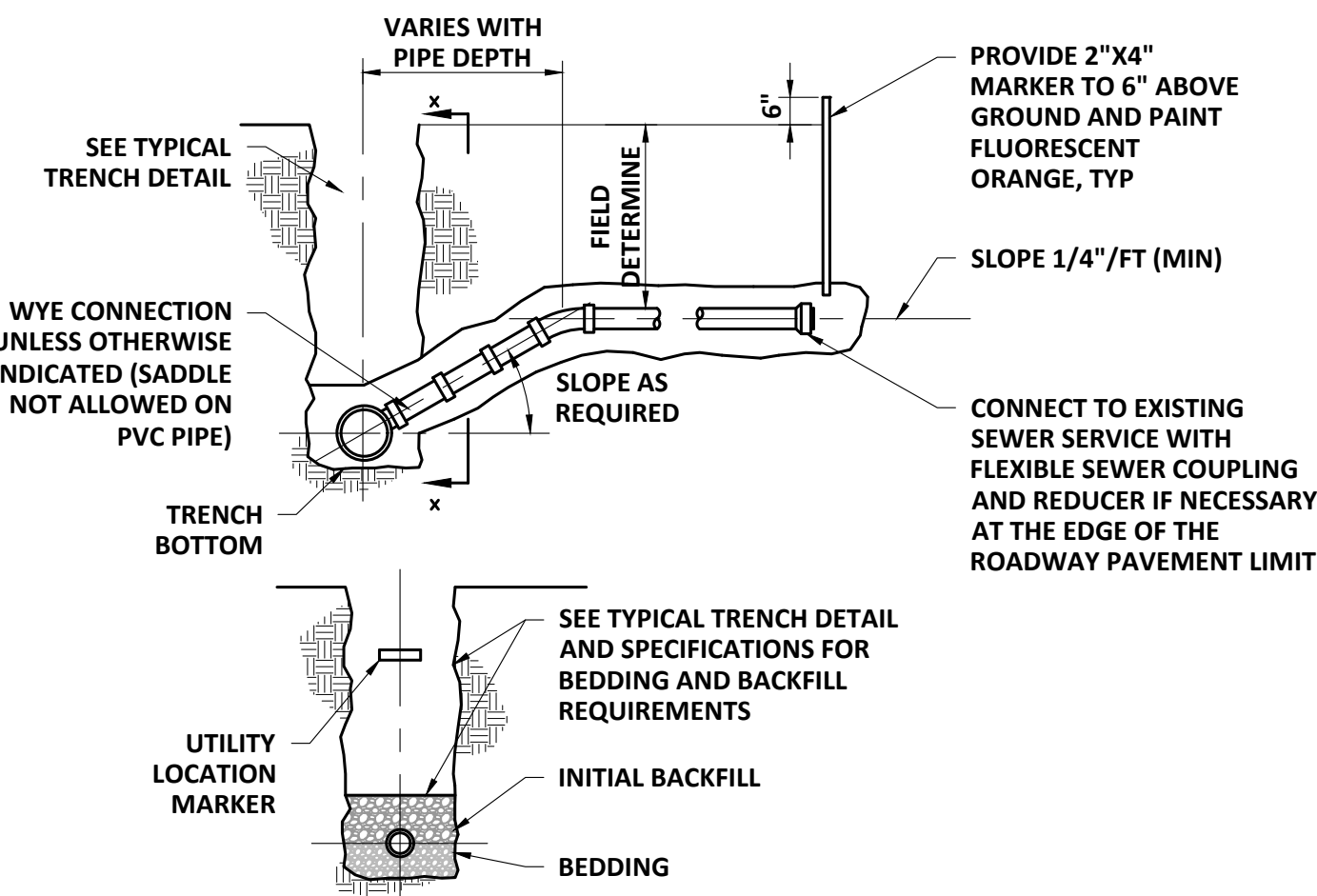
FLAT SLAB TOP MANHOLE

SCALE: NTS



MANHOLE STANDARD COVER AND FRAME

SCALE: NTS



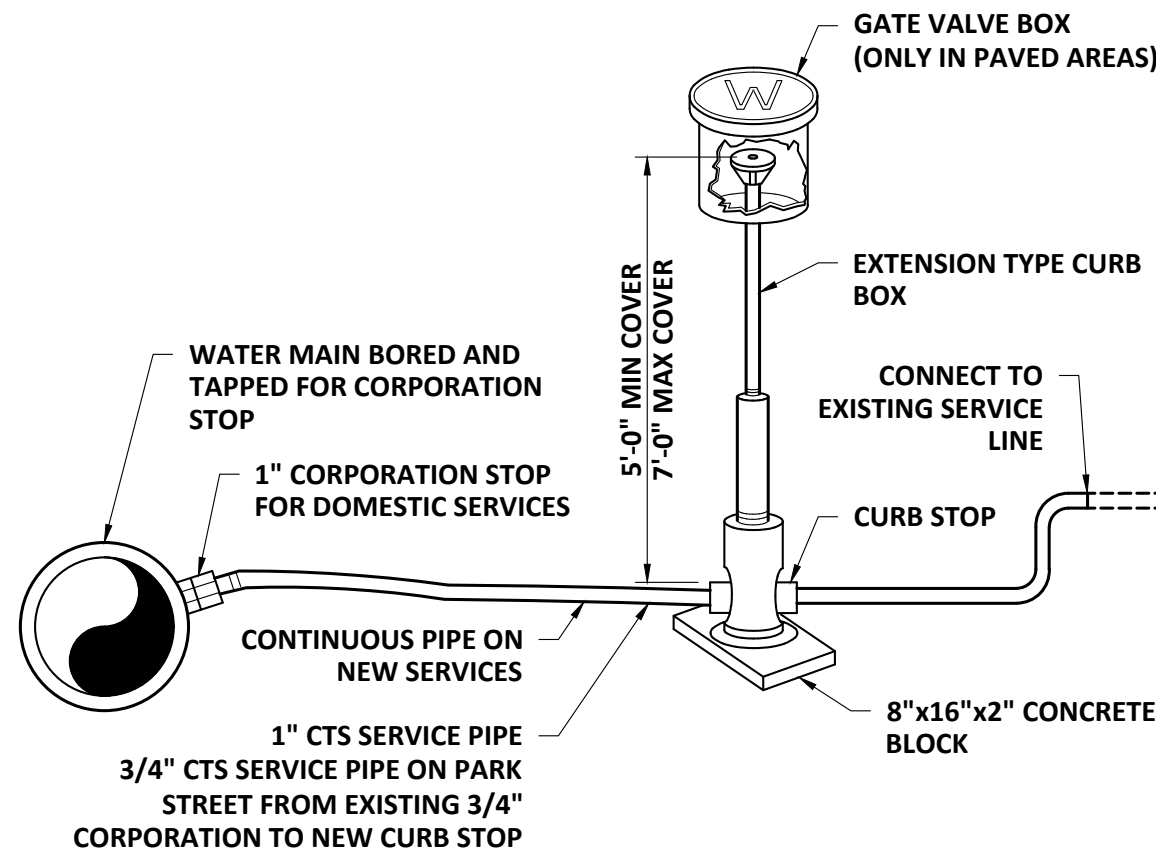
SECTION X-X

NOTES:

1. ALL SERVICE CONNECTIONS TO BE 6"Ø UNLESS OTHERWISE SHOWN ON THE PLANS.
2. EXTEND SERVICE 4'(MIN) BEYOND LIMIT OF SIDEWALK.

SEWER SERVICE CONNECTION

SCALE: "NTS"



WATER SERVICE CONNECTION

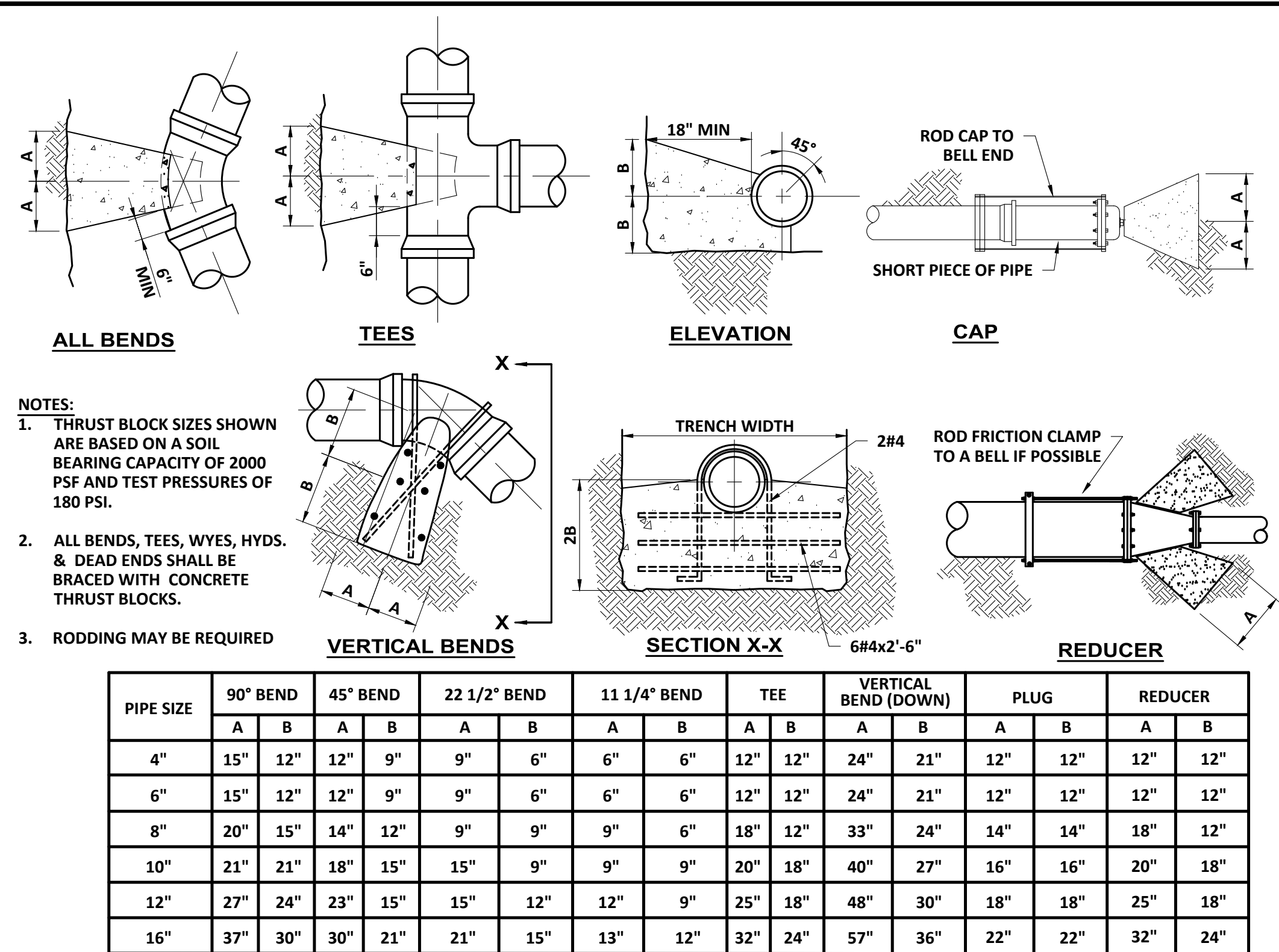
SCALE: NTS

PROJECT NO: 20947		NO	REVISIONS	APPD	DATE
DESIGNED:	K.DOW	A			
CAD COORD:	J.MICHAUD	A			
CAD:	J.MICHAUD	A			
CHECKED:	D.LACOMBE	A			
DATE:	03/2026	A			
APPROVED:	J.WALLACE	A			
DATE:	03/2026	A			
SUBMISSION: CONTRACT DOCUMENTS					

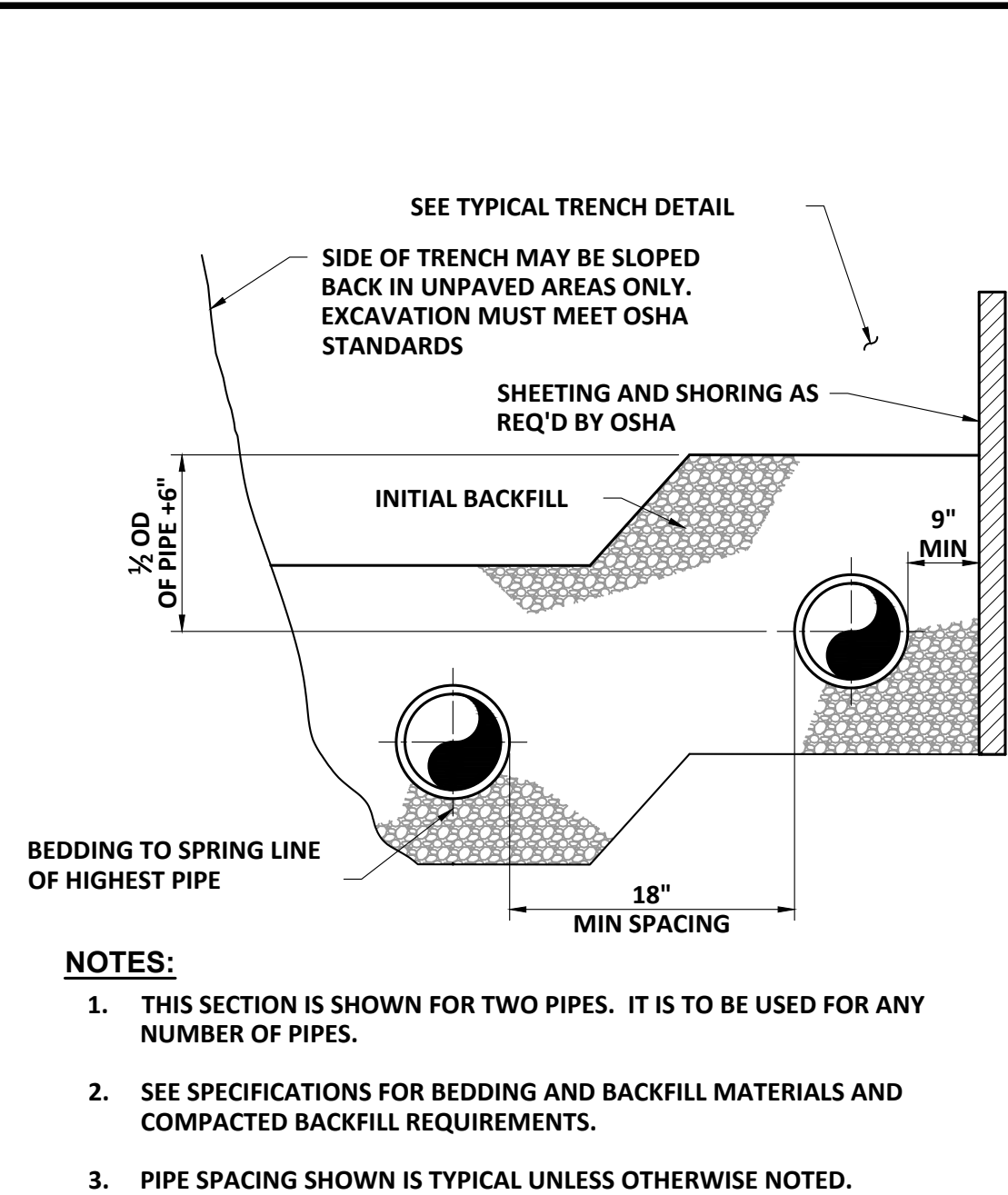
STATE OF MAINE
3/25/2026
JAIME C.
WALLACE
No. 15444
PROFESSIONAL ENGINEER

WRIGHT-PIERCE 
207.725.8721 | www.wright-pierce.com
11 BOWDOIN HILL ISLAND, SUITE 140, TOPSHAM, ME 04086

LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643.00	DETAILS II
	DRAWING C-16

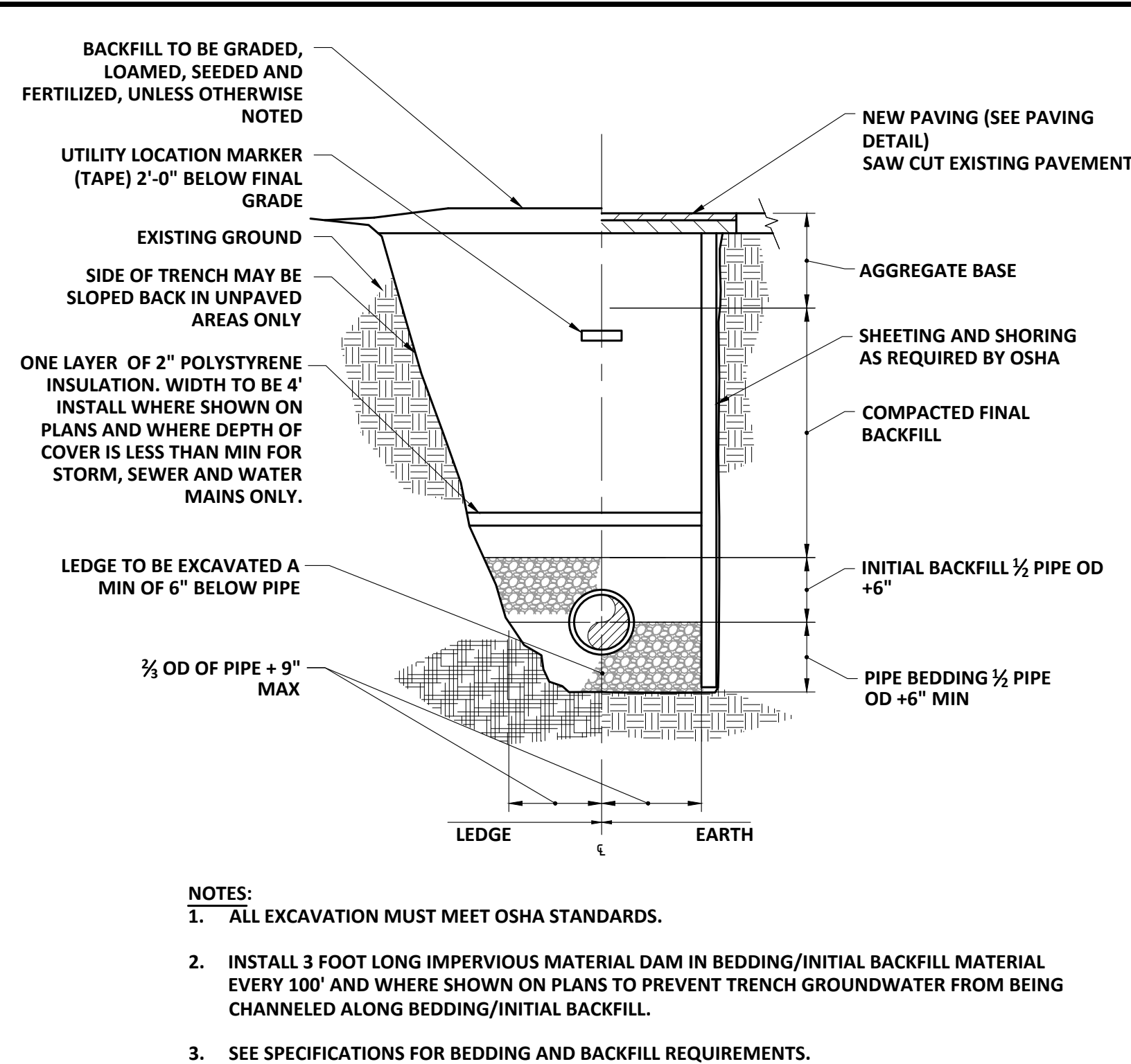


THRUST BLOCKS



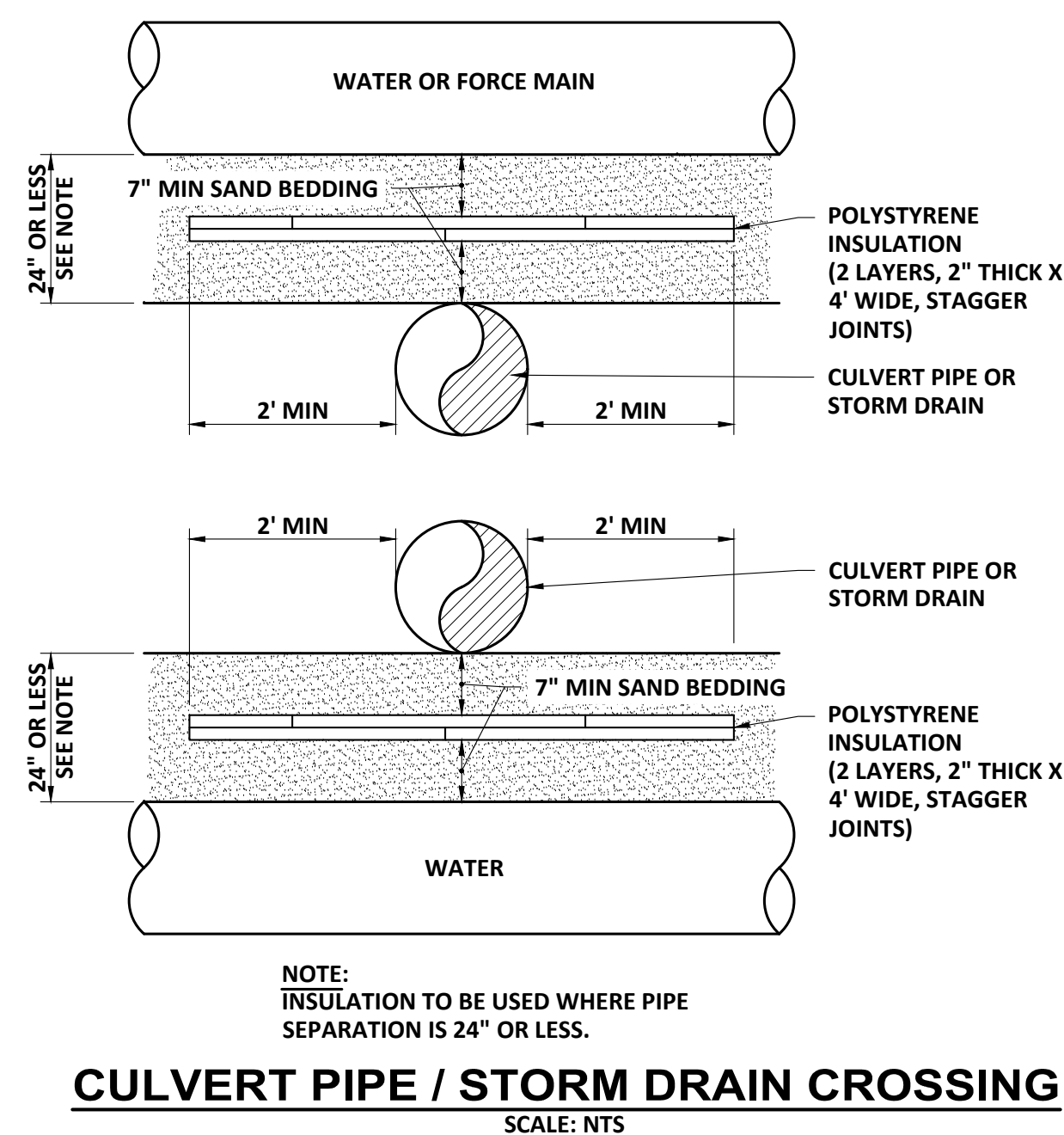
MULTIPLE PIPE TRENCH

SCALE: NTS

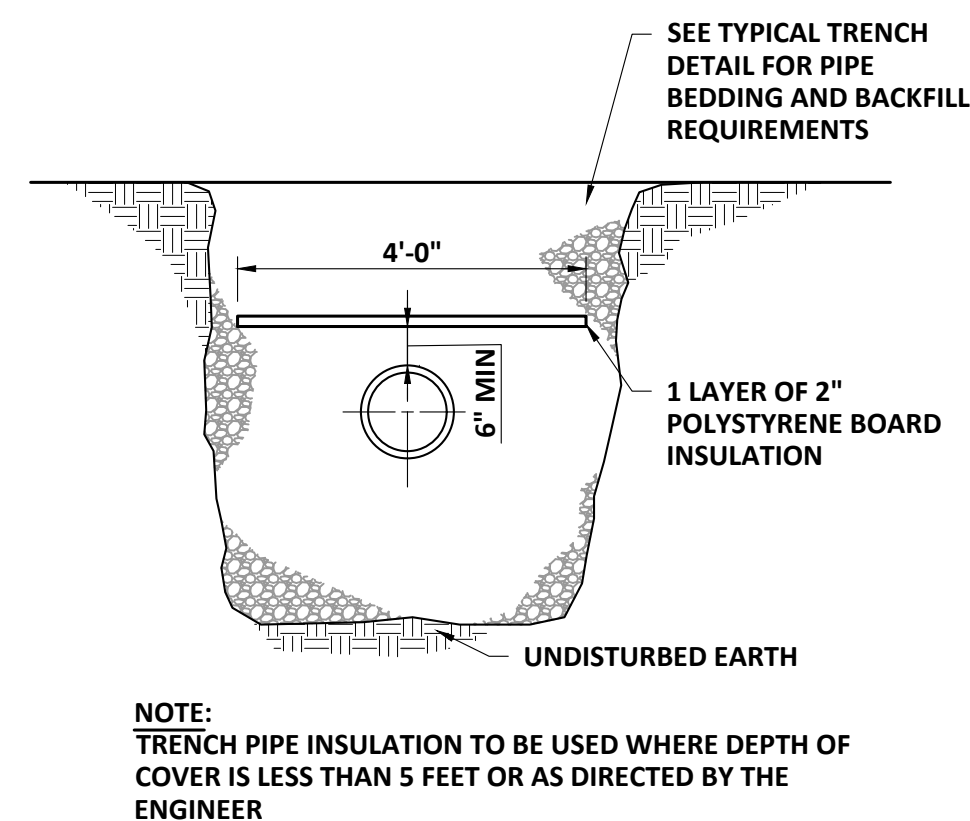


PIPE TRENCH

SCALE: "NTS"

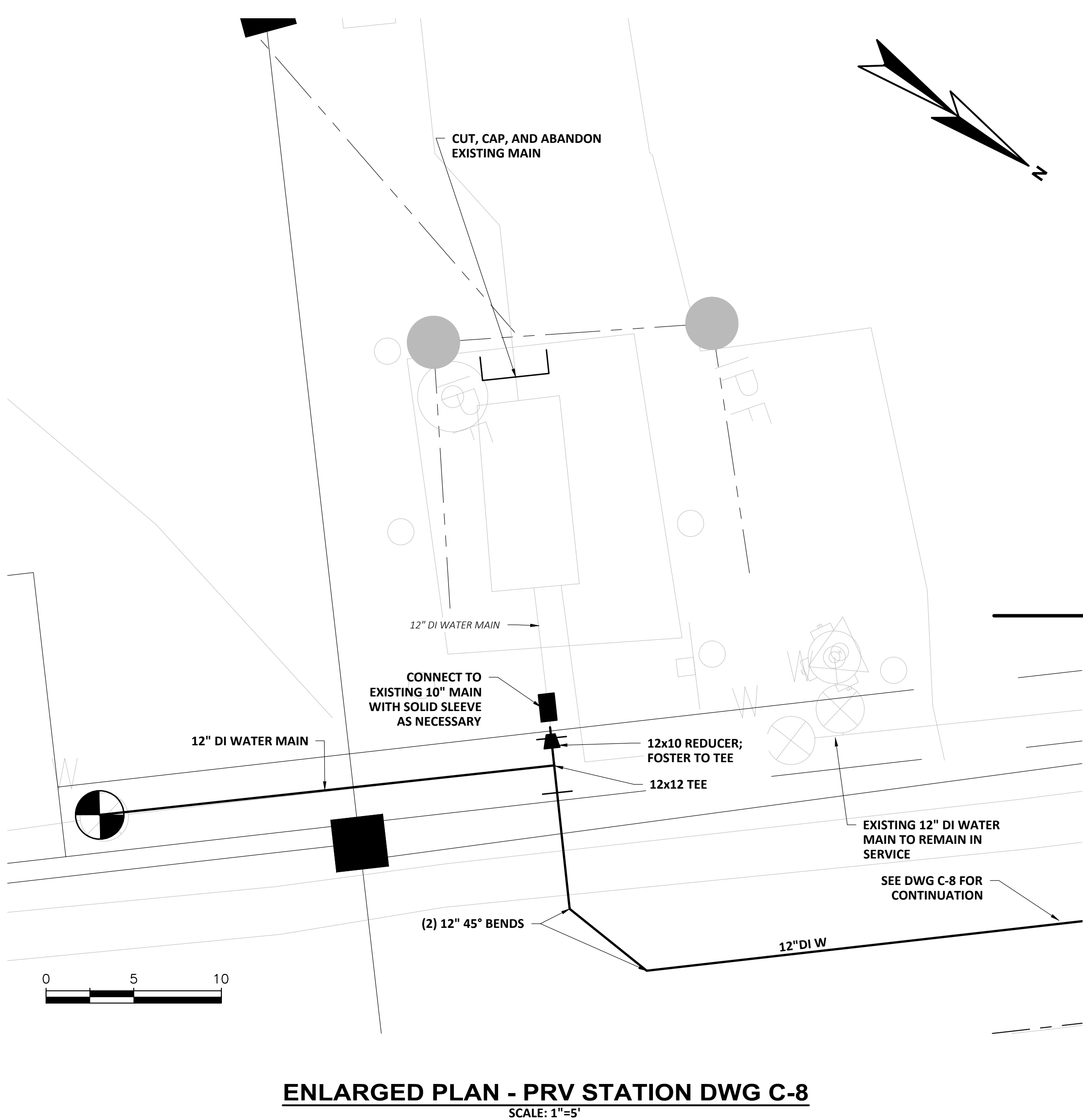


CULVERT PIPE / STORM DRAIN CROSSING
SCALE: NTS

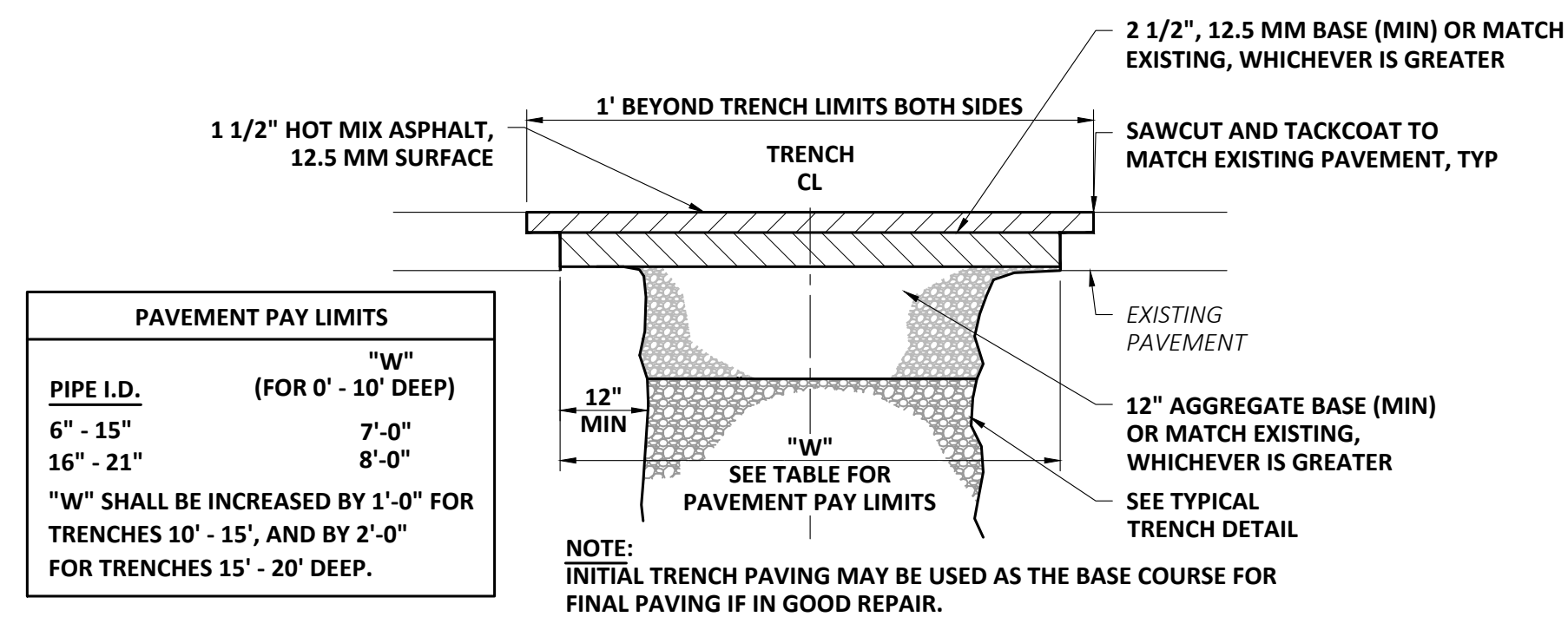


TRENCH PIPE INSULATION

SCALE: NTS



ENLARGED PLAN - PRV STATION DWG C-8
SCALE: 1"=5'



NON-MDOT WORK AREA PAVEMENT RESTORATION SECTION
SCALE: "NTS"

LIVERMORE FALLS, MAINE ROUTE 17 UTILITY IMPROVEMENTS WIN 22643-00	DRAWING	C-17	DETAILS III	 WRIGHT-PIERCE 207.725.8721 www.wright-pierce.com 11 BOWDOIN MILL ISLAND, SUITE 140, TOPSHAM, ME 04086		PROJECT NO.: 20947 DESIGNED: K.DOW CAD COORD: J.MICHAUD CAD: J.MICHAUD CHECKED: D.LACOMBE DATE: 03/2026 APPROVED: J.WALLACE DATE: 03/2026 SUBMISSION: CONTRACT DOCUMENTS	NO	REVISIONS	APPD	DATE
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