STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

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

MILFORD

PENOBSCOT COUNTY

US ROUTE 2

STP-1001(100X)

PROJECT LENGTH : 1.69 MILES

INDEX OF SHEETS

Description	Sheet No.
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Geometric Sheets	10-16
Plan/Profile Sheets	17-23
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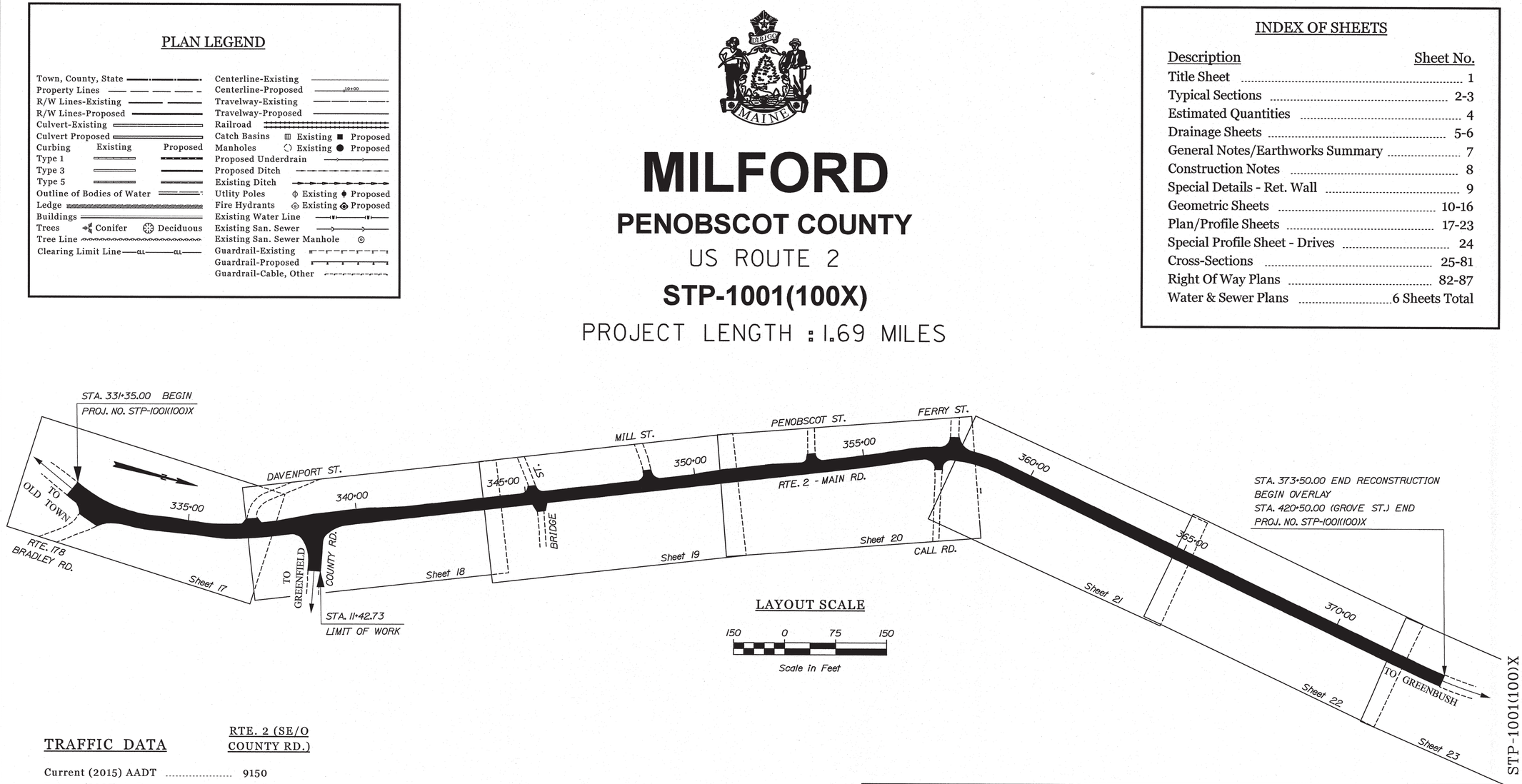
Cross-Sections	25-81
Right Of Way Plans	82-87
Water & Sewer Plans	6 Sheets Total



LAYOUT SCALE

150 0 75 150

Scale in Feet

TRAFFIC DATA

	RTE. 2 (SE/O COUNTY RD.)
Current (2015) AADT	9150
Future (2035) AADT	10980
DHV - % of AADT	9%
Design Hour Volume	988
% Heavy Trucks (AADT)	7%
% Heavy Trucks (DHV)	7%
Directional Distribution (DHV)	67%
18 kip Equivalent P 2.0	664
18 kip Equivalent P 2.5	632
Design Speed (mph)	25 & 35
Functional Class:	Minor Arterial

PROJECT LOCATION:	*BEGINNING AT BRADLEY ROAD AND EXTENDING NORTHEASTERLY 1.69 MILES TO 0.04 MILES EAST OF GROVE STREET.*
PROGRAM AREA:	*HIGHWAY PROGRAM*
SCOPE OF WORK:	*RECONSTRUCTION AND OVERLAY*

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: DATE 12/2/15

CHIEF ENGINEER: DATE 12-2-15

STATE OF MAINE Sterling R. Paul 9807 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

9807
P.E. NUMBER

11-30-15
DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	R. MOULTON
DESIGNER	S. PAUL
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MILFORD
US ROUTE 2

TITLE SHEET

STP-1001(100)X

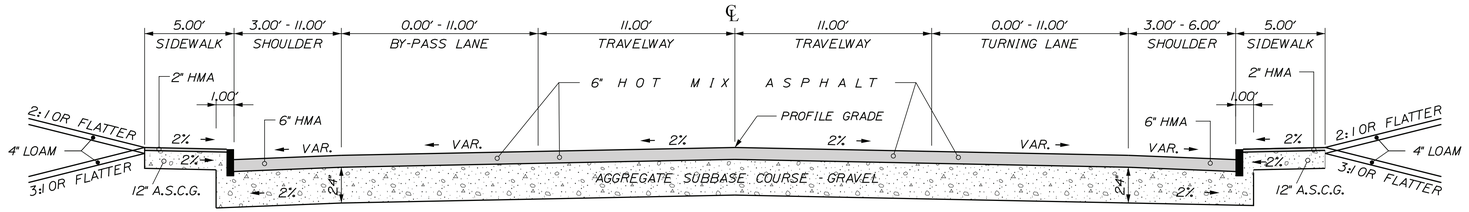
WIN 10011.00

SHEET NUMBER 1 OF 87

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Username: sterling.paul Division: HIGHWAY Date:11/30/2015

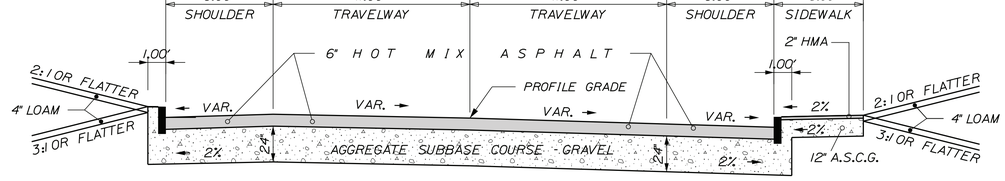
LEGEND

▮ : CURB TYPE 1



NORMAL

SIDEWALK LT.	CURB SHOULDER LT.	BY-PASS LANE LT.	11' TRAVEL LANE LT. 24" A. S. C. G. = 81.5 CY/100LF	11' TRAVEL LANE RT. 24" A. S. C. G. = 81.5 CY/100LF	11' TURNING LANE RT.	CURB SHOULDER RT.	SIDEWALK RT.
STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION
331+35.00 TO 357+40.00	331+35.00 TO 334+48.00 - 3' AT 2% 334+48.00 TO 335+69.00 - TRANS 335+69.00 TO 337+60.00 - 6' AT 4% 337+60.00 TO 338+75.00 - TRANS. 338+75.00 TO 340+28.00 - 3' AT 3% 340+28.00 TO 341+43.00 - TRANS. 341+43.00 TO 350+15.00 - 6' AT 4% 350+15.00 TO 350+36.00 - TRANS. 350+36.00 TO 352+10.00 - 11' AT 4% 352+10.00 TO 352+33.00 - TRANS. 352+33.00 TO 372+50.00 - 6' AT 4%	331+35.00 TO 334+48.00 - 11' AT 2% 334+48.00 TO 335+69.00 - TRANS 335+69.00 TO 337+60.00 - 0' 337+60.00 TO 338+75.00 - TRANS 338+75.00 TO 340+28.00 - 11' AT 4% 340+28.00 TO 341+43.00 - TRANS	331+35.00 TO 355+00.00 360+00.00 TO 372+50.00	331+35.00 TO 371+00.00	331+35.00 TO 331+69.00 - 11' AT 2% 335+26.00 TO 336+12.00 - TRANS 336+12.00 TO 338+15.00 - 11' AT 3%	331+35.00 TO 331+69.00 - 2' AT 2% 331+69.00 TO 333+26.00 - TRANS. 333+26.00 TO 335+26.00 - 6' AT 4% 335+26.00 TO 336+12.00 - TRANS. 336+12.00 TO 338+15.00 - 3' AT 3% 338+15.00 TO 339+69.00 - TRANS. 339+69.00 TO 371+00.00 - 6' AT 4%	332+85.00 TO 371+00.00



SUPERELEVATED

6' CURB SHOULDER LT.	11' TRAVEL LANE LT. 24" A. S. C. G. = 81.5 CY/100LF	11' TRAVEL LANE RT. 24" A. S. C. G. = 81.5 CY/100LF	6' CURB SHOULDER RT.	5' SIDEWALK RT.
STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION	STATION TO STATION
372+50.00 TO 373+50.00	355+00.00 TO 360+00.00 372+50.00 TO 373+50.00	371+00.00 TO 373+50.00	371+00.00 TO 373+50.00	371+00.00 TO 373+50.00

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 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.

SUPERELEVATIONS

LT.	STATION	RT.
-2%	355+00.00	-2%
-1%	355+50.00	-2%
0%	356+00.00	-2%
+1%	356+50.00	-2%
+2%	357+00.00	-2%
+2%	357+50.00	-2%
+2%	358+00.00	-2%
+2%	358+50.00	-2%
+0.7%	359+00.00	-2%
-0.7%	359+50.00	-2%
-2%	360+00.00	-2%

SIDE ROADS
24" GRAVEL DEPTH
VARIABLE WIDTH
(SEE GEOMETRIC SHEETS)

STREET NAME	HMA DEPTH
BRADLEY ROAD	6"
DAVENPORT STREET	3.5"
COUNTY ROAD	6"
BRIDGE STREET	3.5"
MILL STREET	3.5"
PENOBSCOT STREET	3.5"
CALL ROAD	3.5"
FERRY STREET	3.5"

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

WIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	MAR 2014
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

TYPICAL SECTIONS

SHEET NUMBER

2

OF 87

Filename: ...\MSTA\002_Typical 01.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\HIGHWAY\MSTA\003_Typical.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

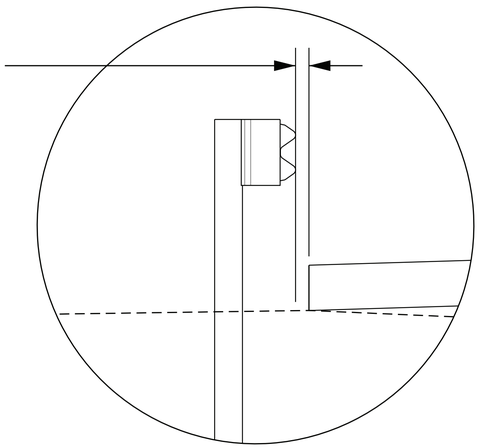
LEFT SLOPE	STATION	RIGHT SLOPE
-2.8	376+50	0
-3	377+00	2.1
-3	382+50	2.1
-3	383+00	2.1
-3	383+50	1
-2.5	384+00	0
-2	384+50	-1
-2	385+00	-2
-2	394+50	-2
-0.9	395+00	-2
0	395+50	-2.7
0.9	396+00	-3.5
1.5	396+50	-4.2
3	397+00	-4.2
3.5	397+50	-4.2
3.5	403+00	-4.2
2.8	403+50	-3.6
1.9	404+00	-3
0.9	404+50	-3
0	405+00	-3
-0.9	405+50	-3
-2	406+00	-3

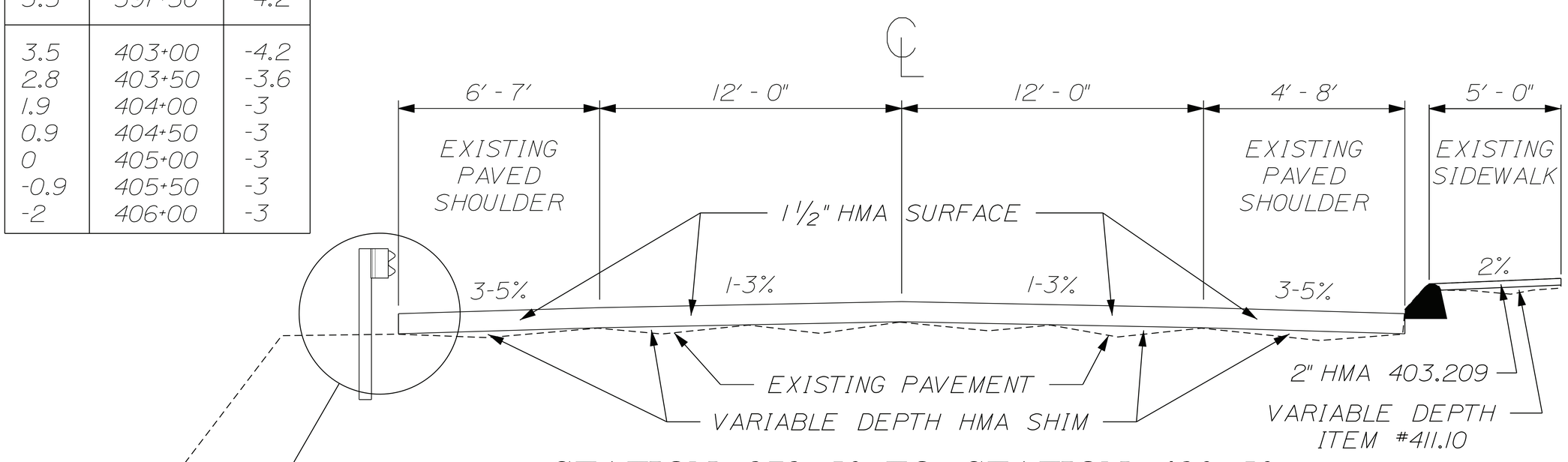
1½" OVERLAY WITH VARIABLE DEPTH SHIM

EQUIPMENT RENTAL ITEMS	CURB TYPE 3 RT.
	STATION TO STATION
TO BE USED FOR SPOT DITCHING & INSLOPE REPAIR AND FOR SIDEWALK & SHOULDER REPAIR AS DIRECTED BY THE RESIDENT	373+77 TO 390+63 - 1,247 LF STOPS AND STARTS AT DRIVEWAYS

DETAIL "A"

PAVE TO WITHIN 1" OF THE FACE OF GR BEAM





STATION 373+50 TO STATION 420+50

NOTE: STATION 373+50 TO STATION 376+50 - FIELD FIT TRANSITION FROM FULL CONSTRUCTION TO OVERLAY IN EXISTING SUPERELEVATED AREA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

WIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	MAR 2014
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

TYPICAL SECTIONS

SHEET NUMBER

3

OF 87

Filename: ...\HIGHWAY\MSTA\004_Estimate.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

ESTIMATED QUANTITIES

ITEM NO.	RECONSTRUCTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	9	EA
201.24	REMOVING STUMP	13	EA
202.11	REMOVING PORTLAND CEMENT CONCRETE PAVEMENT	9400	SY
202.15	REMOVING MANHOLE OR CATCH BASIN	15	EA
202.203	PAVEMENT BUTT JOINTS	800	SY
203.20	COMMON EXCAVATION	18400	CY
203.2312	HEALTH AND SAFETY PLAN PLAN	1	LS
203.2333	DISPOSAL OF SPECIAL EXCAVATION	100	T
206.061	STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	30	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	13500	CY
403.2072	19 MM ASPHALT RICH BASE MIXTURE	2500	T
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	3300	T
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS) INCIDENTALS)	800	T
403.211	HOT MIX ASPHALT (SHIMMING)	500	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	2100	T
409.15	BITUMINOUS TACK COAT - APPLIED	1750	G
411.10	UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	200	CY
603.15	12 INCH CULVERT PIPE OPTION I	20	LF
603.179	18 INCH CULVERT PIPE OPTION III	310	LF
603.199	24 INCH CULVERT PIPE OPTION III	370	LF
603.209	30 INCH CULVERT PIPE OPTION III	68	LF
604.072	CATCH BASIN TYPE A1-C	28.875	EA
604.077	72 INCH CATCH BASIN TYPE A1-C	4.125	EA
604.16	ALTERING CATCH BASIN TO MANHOLES	1	EA
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	5	EA
604.246	CATCH BASIN TYPE F5	1	EA
605.09	6 INCH UNDERDRAIN TYPE B	3600	LF
605.11	12 INCH UNDERDRAIN TYPE C	1910	LF
605.13	18 INCH UNDERDRAIN TYPE C	1070	LF
605.15	24 INCH UNDERDRAIN TYPE C	520	LF
606.47	SINGLE WOOD POST	12	EA
606.611	TIMBER GUARDRAIL	40	LF
608.26	CURB RAMP DETECTABLE WARNING FIELD	280	SF
609.11	VERTICAL CURB TYPE 1	4380	LF
609.12	VERTICAL CURB TYPE 1 - CIRCULAR	180	LF
609.234	TERMINAL CURB TYPE 1 - 4 FOOT	30	EA
609.2341	TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR	4	EA
609.237	TERMINAL CURB TYPE 1 - 7 FOOT	142	EA
609.2371	TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	14	EA
609.31	CURB TYPE 3	1282	LF
609.34	CURB TYPE 5	17	LF
610.08	PLAIN RIPRAP	20	CY
615.07	LOAM	560	CY
618.13	SEEDING METHOD NUMBER 1	50	UN
619.12	MULCH	50	UN
620.56	DRAINAGE GEOTEXTILE	50	SY
626.32	24 INCH FOUNDATION	2	EA
627.733	4 INCH WHITE OR YELLOW PAINTED PAVE MRK LINE	26000	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	650	SF
627.78	TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YEL LOW	39000	LF
629.05	HAND LABOR, STRAIGHT TIME	70	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	8	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	8	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	140	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	140	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	8	HR

ESTIMATED QUANTITIES

ITEM NO.	RECONSTRUCTION	QUANTITY	UNIT
631.20	STUMP CHIPPER (INCLUDING OPERATOR)	8	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	8	HR
639.18	FIELD OFFICE TYPE A	1	EA
643.60	FLASHING BEACON AT:	2	LS
643.71	TRAFFIC SIGNAL MODIFICATION	1	LS
643.86	TRAFFIC SIGNAL LOOP DETECTORS	5	EA
643.92	PEDESTAL POLE	2	EA
652.31	TYPE I BARRICADE	4	EA
652.33	DRUM	50	EA
652.34	CONE	150	EA
652.35	CONSTRUCTION SIGNS	710	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	300	CD
652.38	FLAGGER	9000	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
658.20	ACRYLIC LATEX COLOR FINISH, GREEN	2	SY
659.10	MOBILIZATION	1	LS
660.22	ON-THE-JOB TRAINING	1	EA
673.10	WET CAST SMALL LANDSCAPE BLOCK WALL	212	SF
	WATER UTILITIES		
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	165	CY
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS) INCIDENTALS)	5	T
615.07	LOAM	10	CY
618.13	SEEDING METHOD NUMBER 1	1	UN
619.12	MULCH	1	UN
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	38	CD
652.38	FLAGGER	684	HR
653.22	2 INCH POLYSTYRENE PLASTIC INSULATION	250	SY
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
822.33	6 INCH CLASS 52 DUCTILE IRON PIPE	170	LF
822.34	8 INCH CLASS 52 DUCTILE IRON PIPE	1775	LF
822.36	12 INCH DUCTILE IRON PIPE	150	LF
823.31	12 INCH GATE VALVE	9	EA
823.325	8 INCH GATE VALVE	4	EA
823.331	6 INCH GATE VALVE	10	EA
824.30	FIRE HYDRANT	10	EA
825.43	1" COPPER SERVICE	1708	LF
825.542	TEMPORARY WATER SERVICE	1	EA
	SEWER UTILITIES		
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	25	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	15	CY
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS) INCIDENTALS)	5	T
609.31	CURB TYPE 3	20	LF
615.07	LOAM	15	CY
618.13	SEEDING METHOD NUMBER 1	1	UN
619.12	MULCH	1	UN
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	36	CD
652.38	FLAGGER	648	HR
653.22	2 INCH POLYSTYRENE PLASTIC INSULATION	75	SY
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
801.14	4" PVC SANITARY SEWER	1388	LF
801.16	6 INCH PVC SANITARY SEWER (SDR-35)	462	LF
801.17	8 INCH PVC SANITARY SEWER (SDR-35)	580	LF
801.175	10 INCH PVC SANITARY SEWER	1099	LF
803.16	4 FOOT DIAMETER PRECAST SEWER MANHOLE	8	EA
812.162	ADJUSTING SEWER MANHOLE TO GRADE	14	EA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

WIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
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REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

ESTIMATED QUANTITIES

SHEET NUMBER

4

OF 87

STATION	CULVERT PIPE						CATCH BASIN				UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	OPTION I		OPTION III								TYPE B		TYPE C					
			SMOOTHLINED		CORRUGATED						TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	72" A1-C	F5	MH	LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CATCH BASIN & MANHOLE																		
STA. 331+37.00, 23.9' LT. (CB #1)							1											CONNECT EXIST. 24" UD
STA. 332+17.00, 23.9' LT. (CB #2)							1 1/8											
STA. 333+51.00, 23.9' LT. (CB #3)							1 3/8											
STA. 334+75.00, 22.1' LT. (CB #4)							1 3/4											
STA. 336+90.00, 23.9' RT. (CB #5)							1 1/8											
STA. 337+20.00, 23.9' RT. (CB #6)								1 1/4										
STA. 337+27.00, 15.9' LT. (CB #7)								1 1/4										
STA. 337+80.00, 23.9' RT. (CB #8)							1 1/4											
STA. 338+00.00, 18.7' LT. (CB #9)							1 1/4											
STA. 338+38.6, 21.0' RT.										1								ALTER EXIST. CATCH BASIN TO MANHOLE
STA. 338+85.00, 23.9' LT. (CB #10)							1 1/8											
STA. 338+95.00, 46.8' RT. (CB #11)							1											
STA. 339+25.00, 23.9' LT. (CB #12)							1											
STA. 339+32.00, 22.3' RT. (CB #13)							1											
STA. 340+67.00, 21.2' LT. (CB #14)							1 1/8											
STA. 342+54.00, 23.9' RT. (CB #15)							1 1/4											
STA. 345+62.00, 15.9' LT. (CB #16)							1 1/8											
STA. 345+68.00, 23.9' RT. (CB #17)							1											
STA. 348+20.00, 15.9' LT. (CB #18)							1 1/8											
STA. 350+46.00, 19.1' LT. (CB #19)							1 1/8											
STA. 350+65.00, 15.9' RT. (CB #20)							1											
STA. 353+94.00, 15.9' LT. (CB #21)							1											
STA. 363+57.00, 15.9' LT. (CB #22)							1 5/8											
STA. 363+57.00, 15.9' RT. (CB #23)								1 5/8										
STA. 363+74.00, 31.06' RT. (CB #24)									1									
STA. 363+94.00, 15.9' RT. (CB #25)							1 1/4											
STA. 364+05.00, 15.9' LT. (CB #26)							1 1/8											
STA. 364+44.00, 15.9' RT. (CB #27)							1 1/8											
STA. 368+36.00, 15.9' LT. (CB #28)							1											
STA. 368+75.00, 15.9' RT. (CB #29)							1											
ROADWAY CULVERT																		
CB#6 RT. TO CB#7 LT.			24"	35'	24"	35'												
CB#12 LT. TO CB#13 RT.			18"	44'	18"	44'												
CB#19 LT. TO CB#20 RT.			18"	36'	18"	36'												
CB#22 LT. TO STA. 363+60.00, 58.0' LT.			30"	40'	30"	40'												
CB#22 LT. TO CB#23 RT.			30"	28'	30"	28'												
CB#23 RT. TO CB#24 RT.	12"	20'																

Filename: ...\MSTA\005_Drainage 01.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	-----	-----
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REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

DRAINAGE SHEET

SHEET NUMBER

5

OF 87

STATION	CULVERT PIPE						CATCH BASIN				UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	OPTION I		OPTION III								TYPE B		TYPE C					
			SMOOTHLINED		CORRUGATED						TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	72" A1-C	F5	MH	LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
UNDERDRAIN																		
CB#1 LT. TO CB#2 LT.			24"	73'	24"	73'												
CB#2 LT. TO CB#3 LT.			24"	124'	24"	124'												
CB#3 LT. TO CB#4 LT.			24"	120'	24"	120'												
CB#4 LT. TO CB#7 LT.													24"	245'	24"	245'		
STA. 335+50.00, 19.2' RT. TO CB#5 RT.											142'							
CB#5 RT. TO CB#6 RT.													12"	28'	12"	28'		
CB#6 RT. TO CB#8 RT.													24"	56'	24"	56'		
CB#7 LT. TO CB#9 LT.													24"	69'	24"	69'		
CB#8 RT. TO MH RT.													24"	56'	24"	56'		
CB#9 LT. TO CB#10 LT.													24"	82'	24"	82'		
CB#10 LT. TO CB#12 LT.													18"	37'	18"	37'		
CB#11 RT. TO CB#13 RT.													12"	43'	12"	43'		
CB#12 LT. TO CB#14 LT.													18"	139'	18"	139'		
CB#13 RT. TO CB#15 RT.													12"	320'	12"	320'		
CB#14 LT. TO CB#16 LT.													18"	492'	18"	492'		
CB#15 RT. TO CB#17 RT.													12"	311'	12"	311'		
CB#16 LT. TO CB#18 LT.													18"	255'	18"	255'		
CB#17 RT. TO STA. 348+25.00, 15.9' RT.											255'							
CB#18 LT. TO CB#19 LT.			18"	224'	18"	224'												
CB#19 LT. TO CB#21 LT.													12"	344'	12"	344'		
CB#20 RT. TO CB#23 RT.											1280'							
CB#21 LT. TO CB#22 LT.											969'							
CB#22 LT. TO CB#26 LT.													18"	45'	18"	45'		
CB#23 RT. TO CB#25 RT.													18"	33'	18"	33'		
CB#25 RT. TO CB#27 RT.													18"	47'	18"	47'		
CB#26 LT. TO CB#28 LT.													12"	428'	12"	428'		
CB#27 RT. TO CB#29 RT.													12"	428'	12"	428'		
CB#28 LT. TO STA. 373+10.00, 15.9' LT.											473'							
CB#29 RT. TO STA. 373+10.00, 15.9' RT.											434'							

Filename: ...\MSTA\006_Drainage 02.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014	
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

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DATE

MILFORD
US ROUTE 2

DRAINAGE SHEET

SHEET NUMBER

6

OF 87

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
   EMERA MAINE
   TIME WARNER CABLE
   FAIRPOINT COMMUNICATIONS
   OTT COMMUNICATIONS
   MAINE FIBER
   OLD TOWN WATER DISTRICT
   TOWN OF MILFORD
   PAN AM RAILWAYS
2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
3. TEMPORARY RAMPS SHALL BE CONSTRUCTED WITH ONE FOOT OF LENGTH FOR EVERY 1/4" TRANSITION DEPTH ON THE LEADING AND THE TRAILING END MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.
4. 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.
5. STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER RENTAL MAY BE USED TO REMOVE STUMPS.
6. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
7. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
8. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.
9. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.
10. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.
11. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 11" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
12. A 3' PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
13. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
14. PLACE 12" AGGREGATE SUBBASE COURSE GRAVEL AND 2" HOT MIX ASPHALT AROUND CATCH BASINS IN GRASSED AREAS (3' OUTSIDE OF FRAME) AND PAINT WITH ACRYLIC LATEX COLOR FINISH - GREEN. PAYMENT SHALL BE UNDER THE APPLICABLE CONTRACT ITEMS.
15. ITEM # 411.10 UNTREATED AGGREGATE SURFACE COURSE, MAY ALSO MEET THE GRADATION REQUIREMENTS OF ITEM # 204.20 ADD SHOULDER AGGREGATE.
16. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
17. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.
18. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
19. EXISTING CULVERTS AND UNDERDRAIN TO BE REMOVED OR PLUGGED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT WILL BE CONSIDERED INCIDENTAL TO RELATED ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
20. PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6-INCH TYPE B UNDERDRAIN.
21. ALL CONNECTIONS FOR UNDERDRAIN TO ROADWAY CULVERTS WILL BE INCIDENTAL TO UNDERDRAIN PIPE ITEMS.
22. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
23. ALL CATCH BASINS TYPE A PLACED ON CIRCULAR CURB TYPE 1 SHALL HAVE THE CURB INLET CUT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO ITEM 604.
24. BACKING UP BITUMINOUS CURB IS INCIDENTAL TO THE CURB ITEMS. IF DIRECTED, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY. IN AREAS WHERE PROPOSED BITUMINOUS CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS CURB SHALL BE INCIDENTAL TO THE NEW CURB.
25. 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.
26. 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 NON-GUARDRAIL SLOPES.
27. 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.
28. 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 ITEM 627.78
29. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK: IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
30. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
31. A COPY OF THE GEOTECHNICAL REPORT FOR THIS PROJECT CAN BE FOUND WITH THE PROJECT BID DOCUMENTS ON THE MAINE DOT WEBSITE OR BY CONTACTING THE PROJECT MANAGER.
32. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
33. 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.
34. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
35. STATIONS REFERENCED ARE APPROXIMATE.
36. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION"S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	15,133	
EARTH FROM DRIVES, OLD ROAD, ETC.	3,196	
TOTAL COMMON EXCAVATION		18,329

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	454	
TOTAL FILL		454

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (SLAB REMOVAL)	2,081	
TOTAL ROCK EXCAVATION		2,081

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION	18,329	
DEDUCTIONS:		
GRUBBING IN CUT	314	
PAVEMENT SALVAGE (CUT & FILL)	6,433	
(2) TOTAL DEDUCTIONS	6,747	
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	11,582	
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)	3,524	
RIPRAP EXCAVATION	19	
TOTAL AVAILABLE NON-ROCK EXCAVATION		15,125

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)	0	
GRUBBING IN CUT	314	
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE TOTAL WASTE MATERIAL TO BE UTILIZED)	0	
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)		314

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3) TOTAL FILL				454	
TOTAL AVAIL. NON-ROCK EXCAV.	15,125	x 0.9	=	13,613	
TOTAL AVAILABLE ROCK EXCAVATION	2,081	x 1.3	=	2,705	
(4) TOTAL AVAILABLE EXCAVATION					16,318
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION					-15,864
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED					16,178

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

WIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
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DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
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REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

GENRAL NOTES
EARTHWORK SUMMARY

SHEET NUMBER
7
OF 87

Filename: ...\007_General & Earthwork.dgn Username: sterling.paul Division: HIGHWAY Date:12/4/2015

Filename: ...\008_Construction Notes 01.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

DRIVES AND ENTRANCES

STATIONING	TYPE	STATIONING	TYPE
331+85.00 LT.	PAVED ENT.	353+23.00 RT.	GRAVEL DR.
333+19.00 LT.	PAVED ENT.	353+95.00 RT.	PAVED DR.
333+92.00 RT.	PAVED ENT.	354+77.00 RT.	GRAVEL DR.
334+91.00 RT.	PAVED ENT.	354+95.00 LT.	PAVED ENT.
335+24.00 LT.	PAVED DR.	355+82.00 LT.	GRAVEL DR.
335+39.00 RT.	GRAVEL DR.	355+99.00 RT.	GRAVEL DR.
336+45.00 RT.	PAVED DR.	356+44.00 LT.	PAVED DR.
337+50.00 RT.	PAVED DR.	356+58.00 RT.	PAVED DR.
339+75.00 LT.	PAVED DR.	357+80.00 RT.	PAVED DR.
339+76.00 RT.	PAVED DR.	358+47.00 RT.	GRAVEL DR.
340+32.00 RT.	GRAVEL DR.	358+73.00 LT.	PAVED ENT.
340+50.00 LT.	PAVED DR.	358+95.00 RT.	PAVED DR.
341+02.00 RT.	PAVED DR.	359+23.00 RT.	GRAVEL DR.
341+72.00 RT.	GRAVEL DR.	359+83.00 RT.	GRAVEL DR.
342+13.00 LT.	PAVED DR.	360+10.00 RT.	GRAVEL DR.
342+32.00 RT.	PAVED DR.	360+15.00 LT.	GRAVEL DR.
342+91.00 RT.	PAVED DR.	361+15.00 RT.	GRAVEL DR.
343+60.00 LT.	PAVED DR.	361+53.00 LT.	PAVED DR.
343+61.00 RT.	PAVED DR.	362+19.00 LT.	PAVED DR.
344+23.00 RT.	GRAVEL DR.	362+32.00 RT.	PAVED DR.
344+37.00 LT.	GRAVEL DR.	362+71.00 LT.	PAVED DR.
344+79.00 RT.	PAVED DR.	362+80.00 RT.	PAVED DR.
345+38.00 RT.	PAVED DR.	364+19.00 RT.	PAVED DR.
346+06.00 RT.	PAVED DR.	364+53.00 LT.	PAVED DR.
346+46.00 LT.	PAVED ENT.	364+89.00 RT.	PAVED DR.
347+07.00 LT.	PAVED ENT.	365+38.00 LT.	PAVED DR.
347+14.00 RT.	PAVED DR.	365+40.00 RT.	GRAVEL DR.
347+55.00 LT.	PAVED DR.	366+00.00 LT.	GRAVEL DR.
347+73.00 RT.	GRAVEL DR.	366+30.00 RT.	GRAVEL DR.
347+84.00 LT.	GRAVEL DR.	366+50.00 LT.	PAVED DR.
348+94.00 RT.	PAVED DR.	366+83.00 RT.	PAVED DR.
349+72.00 LT.	PAVED DR.	368+09.00 LT.	GRAVEL DR.
349+77.00 RT.	PAVED ENT.	368+53.00 RT.	PAVED DR.
350+26.00 LT.	PAVED DR.	368+88.00 LT.	GRAVEL DR.
350+44.00 RT.	GRAVEL DR.	370+13.00 LT.	GRAVEL DR.
350+89.00 LT.	PAVED DR.	370+16.00 RT.	GRAVEL DR.
351+31.00 RT.	GRAVEL DR.	370+71.00 LT.	GRAVEL DR.
351+99.00 RT.	GRAVEL DR.	370+76.00 RT.	PAVED DR.
352+22.00 LT.	PAVED ENT.	371+52.00 RT.	PAVED DR.
352+57.00 RT.	GRAVEL DR.	371+96.00 RT.	PAVED DR.
		372+33.00 LT.	PAVED DR.

ITEM 201.23 REMOVING SINGLE TREE - TOP ONLY

ITEM 201.24 REMOVING STUMP

STA. 336+25.75	24.74' RT.	46" MAPLE
STA. 337+22.05	31.83' RT.	42" MAPLE
STA. 10+45.56	42.00' RT. (COUNTY RD.)	16" STUMP
STA. 10+62.18	35.83' RT. (COUNTY RD.)	12" APPLE CLUMP 4
STA. 339+23.35	33.19' RT.	14" MAPLE
STA. 341+90.65	28.30' RT.	28" MAPLE
STA. 351+86.84	26.43' RT.	20" HARDWOOD TWIN
STA. 352+76.29	30.92' LT.	54" STUMP
STA. 360+78.22	25.76' RT.	20" STUMP
STA. 363+19.65	22.96' LT.	18" MAPLE
STA. 366+76.59	26.60' LT.	18" BIRCH
STA. 369+21.61	22.21' RT.	38" STUMP
STA. 369+67.00	23.46' RT.	44" PINE

ITEM 202.11 REMOVING PORTLAND CEMENT CONCRETE PAVEMENT

	WIDTH
STA. 331+35.00 TO STA. 373+50.00	20.0 FT

ITEM 202.15 REMOVING MANHOLE OR CATCH BASIN

STA. 334+02.31	21.37' LT.
STA. 336+89.38	19.08' LT.
STA. 336+94.52	19.69' RT.
STA. 338+71.65	17.92' LT.
STA. 338+93.65	31.58' LT.
STA. 339+06.61	27.64' RT.
STA. 341+78.46	17.13' LT.
STA. 345+59.22	18.75' LT.
STA. 348+90.74	18.90' RT.
STA. 353+80.48	18.99' LT.
STA. 363+56.83	20.13' RT.
STA. 366+99.00	20.62' LT.
STA. 366+98.90	16.32' RT.
STA. 369+05.49	19.83' LT.
STA. 372+09.50	21.67' RT.

SEE GENERAL NOTES FOR REMOVING CULVERT DETAILS.

ITEM 202.203 PAVEMENT BUTT JOINTS

	AREA
BEGINNING OF PROJECT	AS DIRECTED
BRADLEY ROAD	189.0 SY
COUNTY ROAD	128.0 SY

ITEM 606.611 TIMBER GUARDRAIL

STA. 360+20.00 TO STA. 360+60.00 24.0' RT.

ITEM 608.26 CURB RAMP DETECTABLE WARNING FIELD

CONSTRUCT ADA COMPLIANT PEDESTRIAN RAMP

	PAD	LOCATION
STA. 332+95.00 LT.	2' x 6'	CROSSWALK TO BRADLEY ROAD (RTE. 178)
STA. 332+95.00 RT.	2' x 6'	CROSSWALK TO BRADLEY ROAD (RTE. 178)
STA. 336+60.00 LT.	2' x 4'	DAVENPORT STREET
STA. 337+15.00 LT.	2' x 4'	DAVENPORT STREET
STA. 338+20.00 RT.	2' x 10'	COUNTY ROAD
STA. 339+10.00 RT.	2' x 8'	CROSSWALK TO COUNTY ROAD
STA. 339+30.00 LT.	2' x 4'	CROSSWALK TO COUNTY ROAD
STA. 345+00.00 LT.	2' x 8'	BRIDGE STREET
STA. 345+30.00 LT.	2' x 8'	BRIDGE STREET
STA. 345+15.00 RT.	2' x 4'	BRIDGE STREET
STA. 345+60.00 RT.	2' x 4'	BRIDGE STREET
STA. 348+40.00 LT.	2' x 8'	MILL STREET
STA. 348+90.00 LT.	2' x 8'	MILL STREET
STA. 353+30.00 LT.	2' x 6'	PENOBSCOT STREET
STA. 353+70.00 LT.	2' x 8'	PENOBSCOT STREET
STA. 353+70.00 RT.	2' x 4'	CROSSWALK TO PENOBSCOTT STREET
STA. 357+00.00 RT.	2' x 10'	CALL ROAD
STA. 357+45.00 RT.	2' x 10'	CALL ROAD
STA. 362+70.00 LT.	2' x 4'	SUNSET TRAILER PARK
STA. 363+00.00 LT.	2' x 4'	SUNSET TRAILER PARK
STA. 364+00.00 LT.	2' x 4'	SUNSET TRAILER PARK
STA. 364+30.00 LT.	2' x 4'	SUNSET TRAILER PARK

ITEM 609.11 VERT CURB TYPE 1

		LENGTH	
FROM GEOMETRIC SHEETS	=	5,599.7	LF
DEDUCT ITEM 609.234		120.0	LF
DEDUCT ITEM 609.237		994.0	LF
DEDUCT CB HEADSTONES		108.0	LF
TOTAL :		4,377.7	LF

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR

		LENGTH	
FROM GEOMETRIC SHEETS	=	296.1	LF
DEDUCT ITEM 609.234		16.0	LF
DEDUCT ITEM 609.2371		98.0	LF
DEDUCT CB HEADSTONE		4.0	LF
TOTAL :		178.1	LF

ITEM 609.234 TERMINAL CURB TYPE 1 - 4 FT

		QUANTITY	
FROM GEOMETRIC SHEETS	=	30	EA

ITEM 609.2341 TERMINAL CURB TYPE 1 - 4 FT - CIRCULAR

		QUANTITY	
FROM GEOMETRIC SHEETS	=	4	EA

ITEM 609.237 TERMINAL CURB TYPE 1 - 7 FT

		QUANTITY	
FROM GEOMETRIC SHEETS	=	142	EA

ITEM 609.2371 TERMINAL CURB TYPE 1 - 7 FT - CIRCULAR

		LENGTH	
FROM GEOMETRIC SHEETS	=	14	EA

ITEM 609.34 CURB TYPE 5

		LENGTH	
FROM GEOMETRIC SHEETS	=	17.0	LF

ITEM 610.08 PLAIN RIPRAP

OUTLET CULVERT	RIPRAP PAD OUTLET
STA. 363+60.00, 60.0' LT.	25' X 10'

ITEM 626.32 24 INCH DIAMETER FOUNDATION

FOR USE IN CONJUNCTION WITH ITEM 643.92 PEDISTAL POLE

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES

ITEM 627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKINGS

ITEM 627.78 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW

ALL STRIPING, CROSS WALKS, AND PAVEMENT MARKINGS INCLUDING STOP BARS AND TURN ARROWS ARE TO BE LAID OUT IN THE FIELD BY THE RESIDENT AND REGION TRAFFIC ENGINEER.

ITEM 643.60 FLASHING BEACON

STA. 353+75.00 LT. & RT.

ITEM 643.71 TRAFFIC SIGNAL MODIFICATION

INSTALLATION OF PEDESTRIAN HEADS IN CONJUNCTION WITH THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF ROUTE 2 AND BRADLEY ROAD. ITEM INCLUDES ALL CONDUIT AND TIMING RECONFIGURATION.

ITEM 643.86 TRAFFIC SIGNAL LOOP DETECTORS

		QUANTITY	
ONE AT EACH APPROACHING LANE AT THE BRADLEY ROAD INTERSECTION	=	5	EA

ITEM 643.92 PEDISTAL POLE

TWO EACH AT THE INTERSECTION OF BRADLEY ROAD. EXACT LOCATION TO BE LAID OUT IN THE FIELD BY THE RESIDENT AND REGION TRAFFIC ENGINEER.

ITEM 673.10 WET CAST SMALL LANDSCAPE BLOCK WALL

		AREA	
STA. 360+17.50.00 TO STA. 360+73.00, 24.0' RT	=	212	SF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	NOV 2015	-----
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014	-----
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REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

P.E. NUMBER

DATE

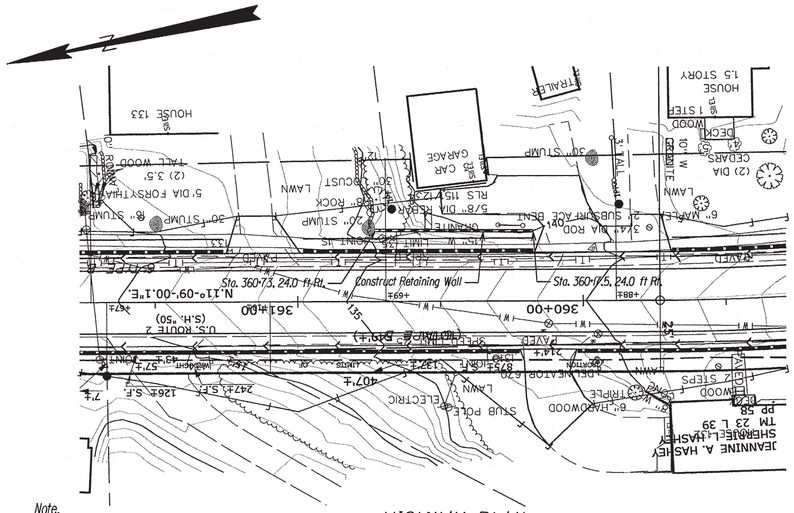
MILFORD
US ROUTE 2

CONSTRUCTION NOTES

SHEET NUMBER

8

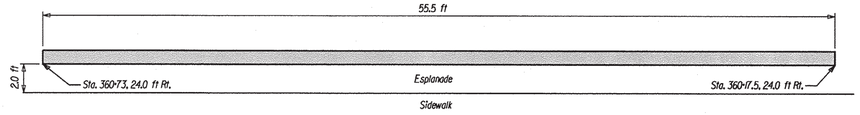
OF 87



Note.
1. Highway Plan has bee rotated 180 degrees to align Station direction with Retaining Wall Plan and Retaining Wall Elevation.

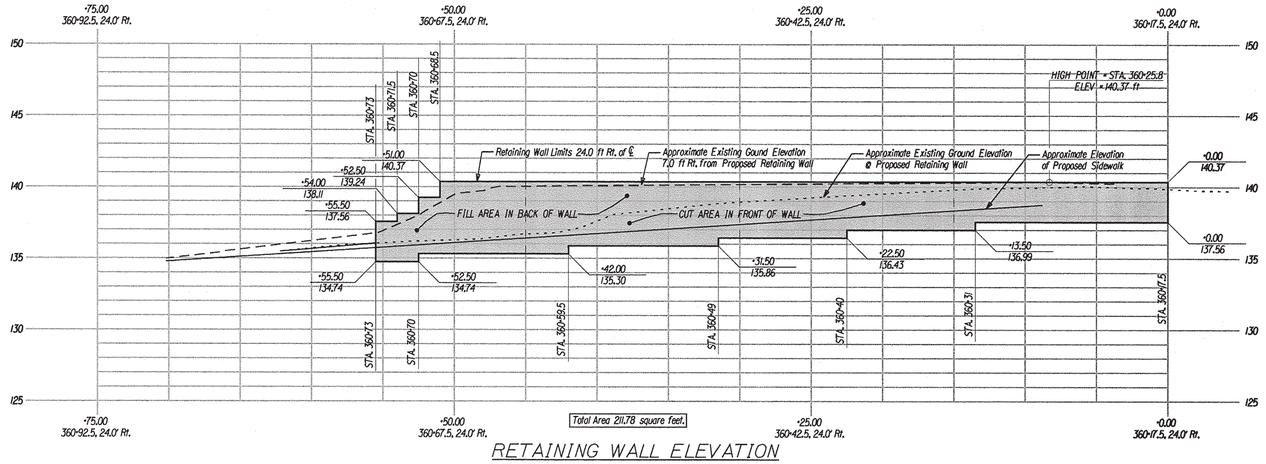
HIGHWAY PLAN

25 0 25 50
Scale in Feet



RETAINING WALL PLAN

5 0 5 10
SCALE

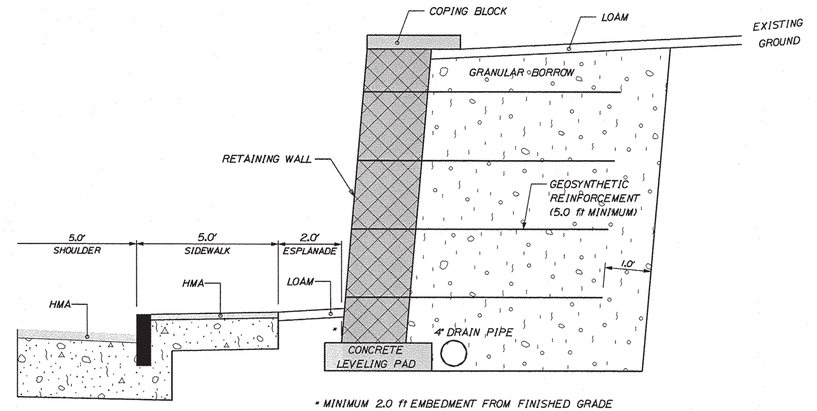


RETAINING WALL ELEVATION

HORIZ 5 0 5 10
VERT 5 0 5 10
SCALE

LEGEND

+22.50 = Total Feet From +0.00 Point
136.99 = Elevation of Block in Feet



* MINIMUM 2.0 ft EMBEDMENT FROM FINISHED GRADE OF SIDEWALK TO BOTTOM OF CONCRETE LEVELING PAD.

TYPICAL SECTION

1.
THE CONTRACTOR SHALL PROVIDE A WET CAST SMALL LANDSCAPE BLOCK WALL IN ACCORDANCE WITH SPECIAL PROVISION 673. REQUIRED DESIGN SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE AND THE DESIGN AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE RESIDENT FOR REVIEW.
PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.
2.
BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 673.
3.
THE PRECAST CONCRETE BLOCK GRAVITY WALLS SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014, AND SPECIAL PROVISION 673. NO TRAFFIC LOADING WILL BE REQUIRED IN THE DESIGN OF WALL.
4.
FOR THE STRENGTH LIMIT STATE THE APPLIED FACTORED BEARING PRESSURE FOR THE WETCAST SMALL LANDSCAPE BLOCK WALL SHALL NOT EXCEED A FACTORED BEARING RESISTANCE OF 2.2 KSF.
5.
PIPED DRAINAGE SHALL BE INCLUDED IN THE DESIGN OF THE WALL. WALL DRAINAGE WILL BE INCIDENTAL TO CONSTRUCTION OF THE WALL.
6.
A MINIMUM EMBEDMENT DEPTH OF 2.0 FEET IS REQUIRED FOR CONSTRUCTION OF THE WET CAST SMALL LANDSCAPE CONCRETE BLOCK WALL.
7.
RETAINING WALL ELEVATION DRAWN FACING RIGHT OF CENTRAL LINE. DOWN STATION TO RIGHT AND UP STATION TO LEFT.
8.
END AND STANDARD COPING NOT SHOWN ON PLAN AND ELEVATION VIEWS.
9.
PLAN VIEW WALL BATTER NOT SHOWN.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

WIN
W.I.N. 010011.00

HIGHWAY PLANS

STATE OF MAINE * Kathleen Maguire 7120 LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 7120
DATE 11.23.15

	BY	DATE
3		
2	BT Tran	
1		

PROJ. MANAGER	
DESIGN-DETAILED	T.WHITE NOV 2015
CHECKED-REVIEWED	
DESIGN2-DETAILED2	S. Prall
DESIGN3-DETAILED3	K.MAGUIRE
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

MILFORD
US ROUTE 2

RETAINING WALL DETAILS

SHEET NUMBER
9
OF 87

Filename: ...\009_RETAINING WALL DETAILS1.dgn Division: GEOTECH Username: terry.white Date:11/17/2015

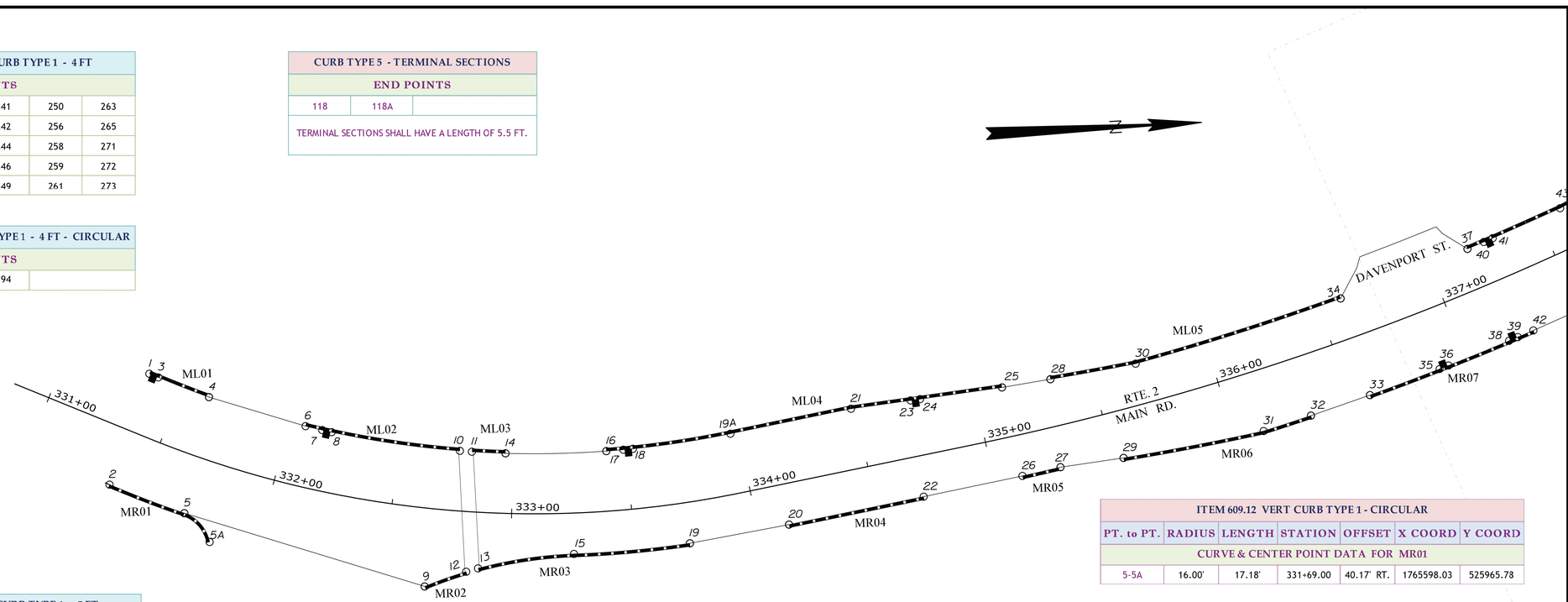
ITEM 609.234 TERMINAL CURB TYPE 1 - 4 FT					
END POINTS					
53	211	219	241	250	263
198	212	231	242	256	265
201	213	234	244	258	271
206	215	237	246	259	272
208	217	239	249	261	273

ITEM 609.2341 TERMINAL CURB TYPE 1 - 4 FT - CIRCULAR				
END POINTS				
5A	186	188	194	

ITEM 609.237 TERMINAL CURB TYPE 1 - 7 FT					
END POINTS					
4	62	97	139	174	218
6	65	98	140	175	220
9	70	99	141	176	227
10	71	100	144	177	230
11	72	101	147	178	235
12	73	103	148	179	236
13	74	107	149	180	238
14	75	110	150	181	240
16	76	115	151	182	243
19	77	116	152	193	245
20	80	117	153	195	247
22	81	118	154	197	248
25	83	119	155	199	253
26	84	120	156	200	254
27	85	121	157	202	260
28	86	122	160	203	262
29	87	123	161	204	264
32	88	124	163	205	266
33	91	131	164	207	267
34	92	134	167	209	268
37	93	135	170	210	269
42	94	136	171	214	270
44	95	137	172	216	274
57	96	138	173		

ITEM 609.2371 TERMINAL CURB TYPE 1 - 7 FT - CIRCULAR					
END POINTS					
50	105	129	159	184	189
51	108	132	165	185	191
104	128				

CURB TYPE 5 - TERMINAL SECTIONS		
END POINTS		
118	118A	
TERMINAL SECTIONS SHALL HAVE A LENGTH OF 5.5 FT.		



POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML01				
1	331+35.00	25.00' LT.	1765524.31	525260.30
3	331+39.00	25.00' LT.	1765526.01	525263.92
4	331+62.69	25.00' LT.	1765535.31	525284.58
CONTROL POINTS FOR ML02				
6	332+07.31	25.00' LT.	1765549.49	525324.10
7	332+14.88	25.00' LT.	1765551.49	525330.94
8	332+19.12	25.00' LT.	1765552.55	525334.79
10	332+76.51	25.00' LT.	1765563.12	525387.73
CONTROL POINTS FOR ML03				
11	332+81.82	25.00' LT.	1765563.74	525392.69
14	332+96.69	25.00' LT.	1765565.14	525406.62
CONTROL POINTS FOR ML04				
16	333+41.31	25.00' LT.	1765566.41	525448.58
17	333+48.88	25.00' LT.	1765566.20	525455.70
18	333+53.12	25.00' LT.	1765566.02	525459.70
19A	333+96.76	25.00' LT.	1765561.88	525500.55
21	334+48.00	25.00' LT.	1765554.12	525551.20
23	334+73.00	23.35' LT.	1765551.97	525576.16
24	334+76.99	23.08' LT.	1765551.63	525580.15
25	335+11.67	20.80' LT.	1765548.57	525614.46
CONTROL POINTS FOR ML05				
28	335+32.44	19.59' LT.	1765546.21	525634.76
30	335+69.00	17.00' LT.	1765541.59	525670.54
34	336+59.89	17.00' LT.	1765518.96	525757.15

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR01				
2	331+37.00	24.00' RT.	1765569.53	525241.32
5	331+69.00	24.00' RT.	1765583.03	525271.81
5A	331+82.13	23.52' RT.	1765596.00	525281.82
CONTROL POINTS FOR MR02				
9	332+67.00	32.52' RT.	1765618.72	525370.14
12	332+82.65	25.00' RT.	1765613.50	525387.70
CONTROL POINTS FOR MR03				
13	332+87.24	23.32' RT.	1765612.36	525392.70
15	333+25.34	17.00' RT.	1765608.46	525432.90
19	333+71.96	17.00' RT.	1765606.56	525481.32
CONTROL POINTS FOR MR04				
20	334+12.98	17.00' RT.	1765600.94	525522.94
22	334+70.22	17.00' RT.	1765592.27	525579.52
CONTROL POINTS FOR MR05				
26	335+11.98	17.00' RT.	1765585.80	525621.02
27	335+28.00	17.00' RT.	1765582.99	525637.03
CONTROL POINTS FOR MR06				
29	335+54.00	19.60' RT.	1765580.52	525663.46
31	336+12.00	25.00' RT.	1765572.40	525722.27
32	336+32.28	25.00' RT.	1765567.02	525742.28
CONTROL POINTS FOR MR07				
33	336+57.72	25.00' RT.	1765559.78	525767.25
35	336+88.04	25.00' RT.	1765550.44	525796.78
36	336+91.96	25.00' RT.	1765549.17	525800.58
38	337+18.57	25.00' RT.	1765540.24	525826.26
39	337+22.48	25.00' RT.	1765538.88	525830.02
42	337+29.33	25.00' RT.	1765536.46	525836.59

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE & CENTER POINT DATA FOR MR01						
5-5A	16.00'	17.18'	331+69.00	40.17' RT.	1765598.03	525965.78

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE DATA FOR MR01						
2-5		33.35'		RT.		
CURVE DATA FOR ML01						
1-4		26.66'		LT.		
CURVE DATA FOR ML02						
6-10		65.15'		LT.		
TANGENT, CURVE & CENTER POINT DATA FOR MR02						
9-12	180.00'	18.33'	333+25.34	197.00' RT.	1765788.43	525430.12
TANGENT DATA FOR ML03						
11-14		14.00'		LT.		
TANGENT, CURVE & CENTER POINT DATA FOR MR03						
13-15	180.00'	40.47'	333+25.34	197.00' RT.	1765788.43	525430.12
15-19		48.48'		RT.		
TANGENT DATA FOR ML04						
16-19A		52.20'		LT.		
19A - 21		51.24'		LT.		
21-25		63.51'		LT.		
TANGENT DATA FOR MR04						
20-22		57.24'		RT.		
TANGENT DATA FOR MR05						
26-27		16.26'		RT.		
TANGENT DATA FOR ML05						
28-30		36.07'		LT.		
30-34		89.55'		LT.		
TANGENT DATA FOR MR06						
29-31		59.37'		RT.		
31-32		20.72'		RT.		
TANGENT DATA FOR MR07						
33-42		73.17'		RT.		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

IMAR 2014

DATE

MILFORD
US ROUTE 2

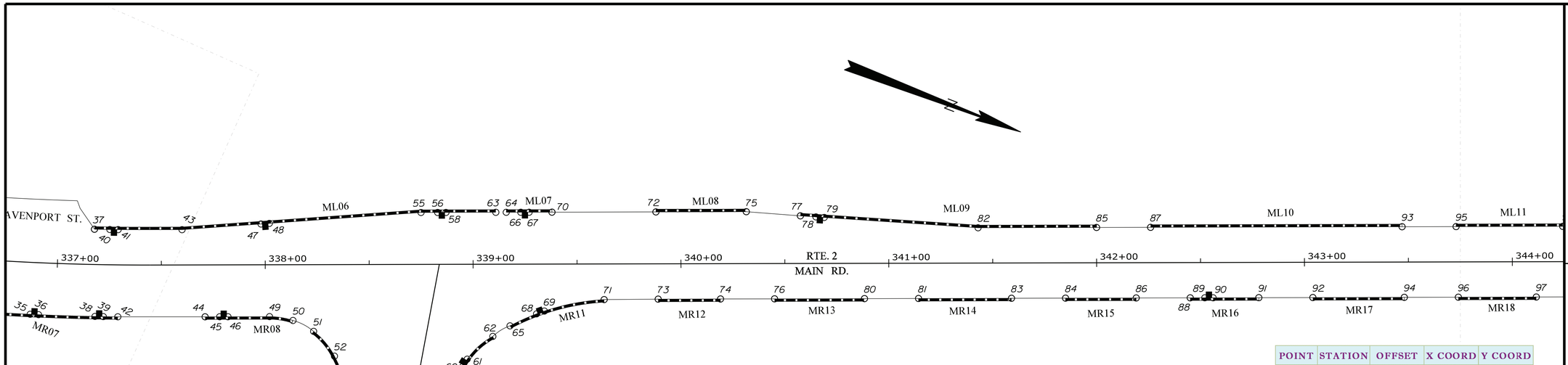
GEOMETRIC PLANS

SHEET NUMBER

10

OF 87

Filename: ...\MSTA\010_Geometry 01.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



Filename: ...\MSTA\011_Geometry 02.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML06				
37	337+17.48	17.00' LT.	1765501.10	525811.00
40	337+24.97	17.00' LT.	1765498.58	525817.93
41	337+29.03	17.00' LT.	1765497.19	525821.68
43	337+60.00	17.00' LT.	1765486.20	525850.39
47	337+98.00	19.64' LT.	1765470.03	525884.89
48	338+02.00	19.92' LT.	1765468.34	525888.51
55	338+75.00	25.00' LT.	1765437.27	525954.77
56	338+83.00	25.00' LT.	1765434.39	525962.23
58	338+87.00	25.00' LT.	1765432.95	525965.96
63	339+10.97	25.00' LT.	1765424.30	525988.32
CONTROL POINTS FOR ML07				
64	339+15.97	25.00' LT.	1765422.50	525992.98
66	339+23.00	25.00' LT.	1765419.96	525999.54
67	339+27.00	25.00' LT.	1765418.52	526003.27
70	339+38.00	25.00' LT.	1765414.55	526013.53
CONTROL POINTS FOR ML08				
72	339+88.00	25.00' LT.	1765396.52	526060.17
75	340+31.50	25.00' LT.	1765380.84	526100.74
CONTROL POINTS FOR ML09				
77	340+57.53	22.95' LT.	1765373.37	526125.76
78	340+65.00	22.43' LT.	1765371.16	526132.92
79	340+69.00	22.15' LT.	1765369.98	526136.74
82	341+43.00	17.00' LT.	1765348.09	526207.62
85	342+00.00	17.00' LT.	1765327.54	526260.79
CONTROL POINTS FOR ML10				
87	342+26.00	17.00' LT.	1765318.16	526285.04
93	343+47.00	17.00' LT.	1765274.53	526397.90

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR ML06						
37-43		42.12'		LT.		
43-55		115.28'		LT.		
55-63		35.97'		LT.		
TANGENT DATA FOR MR08						
44-49		31.01'		RT.		
TANGENT, CURVE & CENTER POINT DATA FOR MR09						
52-54	110.00'	72.43'	337+35.91	94.11' RT.	1765598.75	525867.31
54-53		22.70'		RT.		
TANGENT DATA FOR MR10						
57-59		28.06'		RT.		
TANGENT DATA FOR ML07						
64-70		22.03'		LT.		
TANGENT, CURVE & CENTER POINT DATA FOR MR11						
65-71	110.00'	47.39'	339+69.00	127.00' RT.	1765545.15	526097.26
TANGENT DATA FOR ML08						
72-75		43.50'		LT.		
TANGENT DATA FOR MR12						
73-74		30.00'		RT.		
TANGENT DATA FOR MR13						
76-80		43.27'		RT.		
TANGENT DATA FOR ML09						
77-82		85.68'		LT.		
82-85		57.00'		LT.		
TANGENT DATA FOR MR14						
81-83		44.74'		RT.		
TANGENT DATA FOR MR15						
84-86		34.00'		RT.		
TANGENT DATA FOR ML10						
87-93		121.00'		LT.		
TANGENT DATA FOR MR16						
88-91		33.00'		RT.		
TANGENT DATA FOR MR17						
92-94		44.00'		RT.		

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE & CENTER POINT DATA FOR MR08						
49-50	35.00'	11.46'	338+02.01	60.00' RT.	1765542.88	525917.34
CURVE & CENTER POINT DATA FOR MR09						
51-52	35.00'	15.73'	338+02.01	60.00' RT.	1765542.88	525917.34
CURVE & CENTER POINT DATA FOR MR10						
59-62	35.00'	31.40'	339+25.80	65.72' RT.	1765503.57	526034.87

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR08				
44	337+71.00	25.00' RT.	1765521.41	525875.80
45	337+78.00	25.00' RT.	1765518.89	525882.33
46	337+82.00	25.00' RT.	1765517.44	525886.06
49	338+02.01	25.00' RT.	1765510.23	525904.72
50	338+13.27	26.86' RT.	1765507.91	525915.89
CONTROL POINTS FOR MR09				
51	338+23.18	32.13' RT.	1765509.25	525927.04
52	338+33.18	44.10' RT.	1765516.80	525940.68
53	338+39.07	136.81' RT.	1765601.15	525979.60
54	338+43.28	114.50' RT.	1765578.83	525975.49
CONTROL POINTS FOR MR10				
57	338+86.18	86.78' RT.	1765537.50	526005.50
59	338+91.39	59.21' RT.	1765509.90	526000.42
60	338+94.96	49.12' RT.	1765499.21	526000.11
61	338+97.05	45.71' RT.	1765495.28	526000.84
62	339+09.41	34.77' RT.	1765480.62	526008.42
CONTROL POINTS FOR MR11				
65	339+17.68	29.71' RT.	1765472.91	526014.30
68	339+30.47	23.97' RT.	1765462.94	526024.17
69	339+34.24	22.64' RT.	1765460.34	526027.20
71	339+63.00	17.16' RT.	1765444.87	526052.05
CONTROL POINTS FOR MR12				
73	339+89.00	17.00' RT.	1765435.34	526076.25
74	340+19.00	17.00' RT.	1765424.52	526104.23
CONTROL POINTS FOR MR13				
76	340+45.00	17.00' RT.	1765415.14	526128.48
80	340+88.27	17.00' RT.	1765399.54	526168.83
CONTROL POINTS FOR MR14				
81	341+14.27	17.00' RT.	1765390.17	526193.08
83	341+59.00	17.00' RT.	1765374.03	526234.81
CONTROL POINTS FOR MR15				
84	341+85.00	17.00' RT.	1765364.66	526259.06
86	342+19.00	17.00' RT.	1765352.40	526290.77
CONTROL POINTS FOR MR16				
88	342+45.00	17.00' RT.	1765343.02	526315.02
89	342+52.00	17.00' RT.	1765340.50	526321.55
90	342+56.00	17.00' RT.	1765339.06	526325.28
91	342+78.00	17.00' RT.	1765331.12	526345.80
CONTROL POINTS FOR MR17				
92	343+04.00	17.00' RT.	1765321.75	526370.05
94	343+48.00	17.00' RT.	1765305.88	526411.09

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

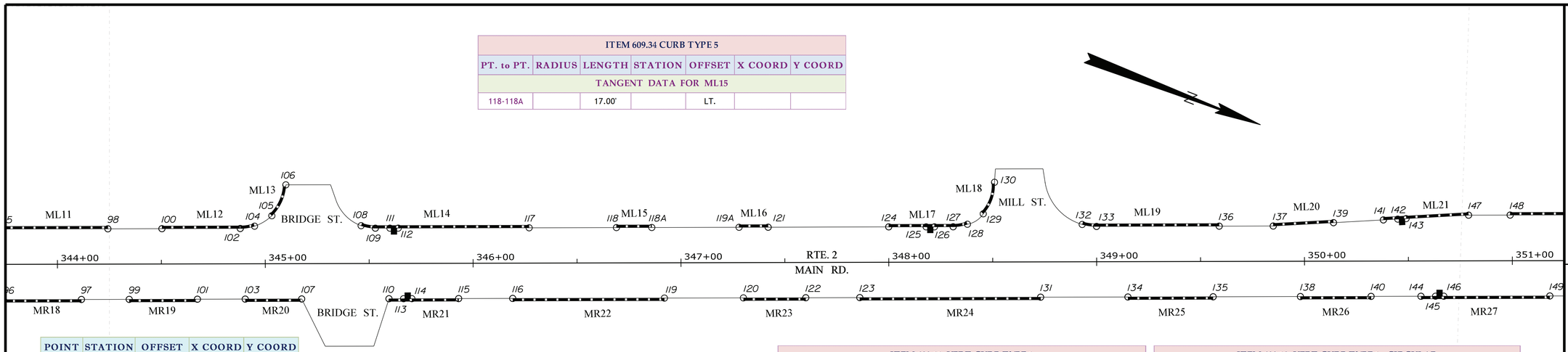
MILFORD
US ROUTE 2

GEOMETRIC PLANS

SHEET NUMBER

11

OF 87



ITEM 609.34 CURB TYPE 5						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR ML15						
118-118A		17.00'		LT.		

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML11				
95	343+73.00	17.00' LT.	1765265.15	526422.15
98	344+24.31	17.00' LT.	1765246.65	526470.01
CONTROL POINTS FOR ML12				
100	344+50.31	17.00' LT.	1765237.27	526494.26
102	344+88.00	17.00' LT.	1765223.68	526529.41
104	344+94.88	18.10' LT.	1765220.17	526535.43
CONTROL POINTS FOR ML13				
105	345+03.21	23.10' LT.	1765212.50	526541.40
106	345+09.98	37.96' LT.	1765196.21	526542.35
CONTROL POINTS FOR ML14				
108	345+46.15	18.21' LT.	1765201.58	526583.21
109	345+53.00	17.00' LT.	1765200.24	526590.04
111	345+60.00	17.00' LT.	1765197.72	526596.57
112	345+64.00	17.00' LT.	1765196.28	526600.30
117	346+27.00	17.00' LT.	1765173.56	526659.06
CONTROL POINTS FOR ML15				
118	346+69.00	17.00' LT.	1765158.41	526698.23
118A	346+86.00	17.00' LT.	1765152.28	526714.09
CONTROL POINTS FOR ML16				
119A	347+28.00	17.00' LT.	1765137.14	526753.26
121	347+42.00	17.00' LT.	1765132.09	526766.32
CONTROL POINTS FOR ML17				
124	348+00.00	17.00' LT.	1765111.14	526820.41
125	348+18.00	17.00' LT.	1765104.68	526837.21
126	348+22.00	17.00' LT.	1765103.24	526840.94
127	348+31.00	17.00' LT.	1765099.99	526849.34
128	348+37.86	18.21' LT.	1765096.39	526855.30
CONTROL POINTS FOR ML18				
129	348+45.49	23.21' LT.	1765088.97	526860.61
130	348+50.96	38.38' LT.	1765072.86	526860.24
CONTROL POINTS FOR ML19				
132	348+93.10	17.97' LT.	1765076.69	526906.90
133	349+00.00	17.00' LT.	1765075.11	526913.69
136	349+59.00	17.00' LT.	1765053.84	526968.72
CONTROL POINTS FOR ML20				
137	349+85.00	17.00' LT.	1765044.46	526992.97
139	350+14.00	18.54' LT.	1765032.56	527019.47
CONTROL POINTS FOR ML21				
141	350+38.00	19.82' LT.	1765022.72	527041.39
142	350+44.93	20.19' LT.	1765019.88	527047.72
143	350+48.92	20.40' LT.	1765018.24	527051.37
147	350+79.00	22.00' LT.	1765005.90	526078.84

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR18				
96	343+74.00	17.00' RT.	1765296.50	526435.34
97	344+11.50	17.00' RT.	1765282.98	526470.32
CONTROL POINTS FOR MR19				
99	344+34.50	17.00' RT.	1765274.69	526491.77
101	344+67.31	17.00' RT.	1765262.86	526522.37
CONTROL POINTS FOR MR20				
103	344+90.31	17.00' RT.	1765254.56	526543.82
107	345+17.45	17.00' RT.	1765244.78	526569.14
CONTROL POINTS FOR MR21				
110	345+59.48	17.00' RT.	1765229.62	526608.34
113	345+66.48	17.00' RT.	1765227.09	526614.87
114	345+70.48	17.00' RT.	1765225.65	526618.60
115	345+93.00	17.00' RT.	1765217.53	526639.61
CONTROL POINTS FOR MR22				
116	346+19.00	17.00' RT.	1765208.16	526663.86
119	346+97.31	17.00' RT.	1765179.92	526736.90
CONTROL POINTS FOR MR23				
120	347+30.31	17.00' RT.	1765168.02	526767.68
122	347+60.01	17.00' RT.	1765157.31	526795.38
CONTROL POINTS FOR MR24				
123	347+86.01	17.00' RT.	1765147.93	526819.63
131	348+73.00	17.00' RT.	1765116.56	526900.77
CONTROL POINTS FOR MR25				
134	349+15.00	17.00' RT.	1765101.42	526939.94
135	349+56.00	17.00' RT.	1765086.63	526978.18
CONTROL POINTS FOR MR26				
138	349+98.00	17.00' RT.	1765071.49	527017.36
140	350+32.00	17.00' RT.	1765059.23	527049.07
CONTROL POINTS FOR MR27				
144	350+56.00	17.00' RT.	1765050.57	527071.46
145	350+63.00	17.00' RT.	1765048.05	527077.98
146	350+67.00	17.00' RT.	1765046.60	527081.72
149	351+18.00	17.00' RT.	1765028.21	527129.28

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR ML11						
95-98		51.31'		LT.		
TANGENT DATA FOR MR18						
96-97		37.50'		RT.		
TANGENT DATA FOR MR19						
99-101		32.81'		RT.		
TANGENT DATA FOR ML12						
100-102		37.69'		LT.		
TANGENT DATA FOR MR20						
103-107		27.14'		RT.		
TANGENT DATA FOR ML14						
109-117		74.00'		LT.		
TANGENT DATA FOR MR21						
110-115		33.52'		RT.		
TANGENT DATA FOR MR22						
116-119		73.00'		RT.		
TANGENT DATA FOR ML16						
119A-121		14.00'		LT.		
TANGENT DATA FOR MR23						
120-122		30.00'		RT.		
TANGENT DATA FOR MR24						
123-131		87.00'		RT.		
TANGENT DATA FOR ML17						
124-127		31.00'		LT.		
TANGENT DATA FOR ML19						
133-136		59.00'		LT.		
TANGENT DATA FOR MR25						
134-135		41.00'		RT.		
TANGENT DATA FOR ML20						
137-139		29.05'		LT.		
TANGENT DATA FOR MR26						
138-140		34.00'		RT.		
TANGENT DATA FOR ML21						
141-147		41.05'		LT.		
TANGENT DATA FOR MR27						
144-149		62.00'		RT.		

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE & CENTER POINT DATA FOR ML12						
102-104	22.00'	7.00'	344+88.00	39.00' LT.	1765203.16	526521.48
CURVE & CENTER POINT DATA FOR ML13						
105-106	22.00'	16.73'	344+88.00	39.00' LT.	1765203.16	526521.48
CURVE & CENTER POINT DATA FOR ML14						
108-109	20.00'	7.00'	345+53.00	37.00' LT.	1765181.59	526582.83
CURVE & CENTER POINT DATA FOR ML17						
127-128	20.00'	7.00'	348+31.00	37.00' LT.	1765081.34	526842.13
CURVE & CENTER POINT DATA FOR ML18						
129-130	20.00'	16.59'	348+31.00	37.00' LT.	1765081.34	526842.13
CURVE & CENTER POINT DATA FOR ML19						
132-133	25.00'	7.00'	349+00.00	42.00' LT.	1765051.79	526904.68

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

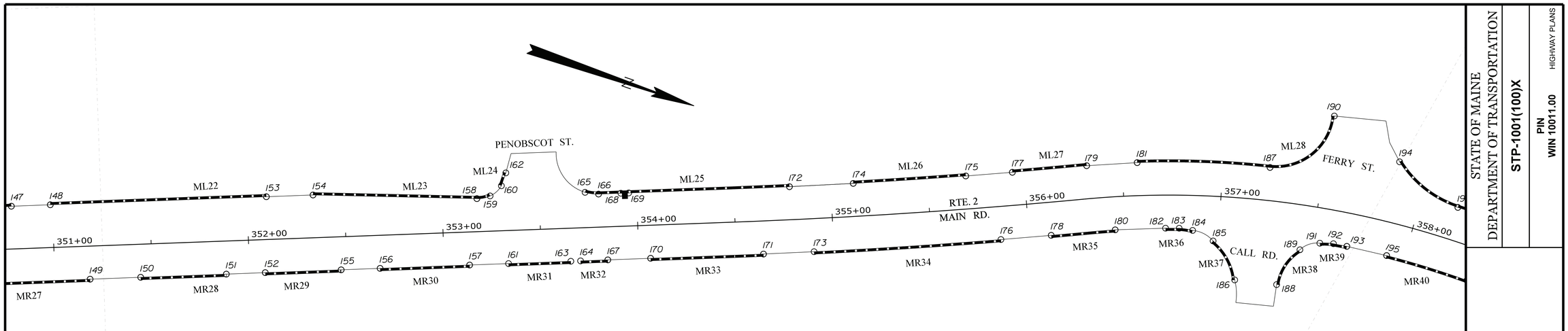
GEOMETRIC PLANS

SHEET NUMBER

12

OF 87

Filename: ...\MSTA\012_Geometry 03.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML22				
148	350+99.00	22.00' LT.	1764998.69	527097.50
153	352+10.00	22.00' LT.	1764958.66	527201.03
CONTROL POINTS FOR ML23				
154	352+34.00	22.00' LT.	1764950.01	527223.42
158	353+18.01	17.00' LT.	1764924.38	527303.57
159	353+24.83	18.12' LT.	1764920.87	527309.53
CONTROL POINTS FOR ML24				
160	353+30.82	23.12' LT.	1764914.05	527313.32
162	353+33.34	29.65' LT.	1764907.05	527313.32
CONTROL POINTS FOR ML25				
165	353+73.63	18.16' LT.	1764903.24	527355.04
166	353+80.50	17.00' LT.	1764901.84	527361.87
168	353+92.00	17.00' LT.	1764897.69	527372.59
169	353+96.00	17.00' LT.	1764896.25	527376.32
172	354+78.76	17.00' LT.	1764866.34	527453.31
CONTROL POINTS FOR ML26				
174	355+11.74	17.00' LT.	1764854.07	527483.74
175	355+69.94	17.00' LT.	1764831.65	527537.11
CONTROL POINTS FOR ML27				
177	355+94.07	17.00' LT.	1764822.08	527559.12
179	356+32.46	17.00' LT.	1764806.45	527594.09
CONTROL POINTS FOR ML28				
181	356+57.55	17.00' LT.	1764796.50	527618.10
187	357+23.44	17.00' LT.	1764776.65	527683.40
190	357+50.67	47.73' LT.	1764740.88	527706.02

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR28				
150	351+44.00	17.00' RT.	1765018.84	527153.53
151	351+88.00	17.00' RT.	1765002.97	527194.57
CONTROL POINTS FOR MR29				
152	352+08.00	17.00' RT.	1764995.76	527213.23
155	352+47.00	17.00' RT.	1764981.70	527249.60
CONTROL POINTS FOR MR30				
156	352+67.00	17.00' RT.	1764974.48	527268.26
157	353+13.00	17.00' RT.	1764957.90	527311.16
CONTROL POINTS FOR MR31				
161	353+33.00	17.00' RT.	1764950.68	527329.82
163	353+65.00	17.00' RT.	1764939.14	527359.67
CONTROL POINTS FOR MR32				
164	353+70.00	17.00' RT.	1764937.34	527364.33
167	353+84.00	17.00' RT.	1764932.29	527377.39
CONTROL POINTS FOR MR33				
170	354+06.00	17.00' RT.	1764924.36	527397.91
171	354+63.92	17.00' RT.	1764903.41	527451.99
CONTROL POINTS FOR MR34				
173	354+89.78	17.00' RT.	1764893.83	527476.16
176	355+85.40	17.00' RT.	1764856.69	527564.83
CONTROL POINTS FOR MR35				
178	356+11.19	17.00' RT.	1764846.23	527588.54
180	356+44.60	17.00' RT.	1764832.87	527618.68
CONTROL POINTS FOR MR36				
182	356+71.46	17.00' RT.	1764823.64	527642.86
183	356+78.73	17.02' RT.	1764821.40	527649.49
184	356+85.91	18.00' RT.	1764820.21	527656.37
CONTROL POINTS FOR MR37				
185	356+97.12	23.00' RT.	1764821.90	527668.07
186	357+10.43	42.28' RT.	1764837.24	527685.08
CONTROL POINTS FOR MR38				
188	357+34.26	42.41' RT.	1764832.50	527706.22
189	357+44.28	23.00' RT.	1764811.68	527711.70
CONTROL POINTS FOR MR39				
191	357+54.27	18.00' RT.	1764805.15	527720.28
192	357+61.45	17.00' RT.	1764803.13	527726.95
193	357+68.71	17.00' RT.	1764802.19	527733.89

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR ML22						
148-153		111.00'		LT.		
TANGENT DATA FOR MR28						
150-151		44.00'		RT.		
TANGENT DATA FOR MR29						
152-155		39.00'		RT.		
TANGENT DATA FOR ML23						
154-158		84.16'		LT.		
TANGENT DATA FOR MR30						
156-157		46.00'		RT.		
TANGENT DATA FOR ML24						
160-162		7.00'		LT.		
TANGENT DATA FOR MR31						
161-163		32.00'		RT.		
TANGENT DATA FOR MR32						
164-167		14.00'		RT.		
TANGENT DATA FOR ML25						
166-172		98.10'		LT.		
TANGENT DATA FOR MR33						
170-171		58.00'		RT.		
TANGENT DATA FOR MR34						
173-176		96.13'		RT.		
TANGENT DATA FOR ML26						
174-175		57.89'		LT.		
TANGENT DATA FOR ML27						
177-179		38.30'		LT.		
TANGENT DATA FOR MR35						
178-180		32.97'		RT.		
CURVE DATA FOR ML28						
181-187		68.31'		LT.		
TANGENT DATA FOR MR36						
182-183		7.00'		RT.		
TANGENT DATA FOR MR39						
192-193		7.00'		RT.		

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE & CENTER POINT DATA FOR ML23						
158-159	13.00'	7.00'	353+19.39	29.93' LT.	1764911.82	527300.20
CURVE & CENTER POINT DATA FOR ML25						
165-166	21.00'	7.00'	353+80.50	38.00' LT.	1764882.25	527354.29
CURVE & CENTER POINT DATA FOR ML28						
187-190	30.00'	46.97'	357+23.44	47.00' LT.	1764747.40	527576.73
CURVE & CENTER POINT DATA FOR MR36						
183-184	30.00'	7.00'	356+77.65	47.00' RT.	1764850.16	527558.01
CURVE & CENTER POINT DATA FOR MR37						
185-186	30.00'	23.50'	356+77.65	47.00' RT.	1764850.16	527558.01
CURVE & CENTER POINT DATA FOR MR38						
188-189	25.00'	22.25'	357+61.76	42.00' RT.	1764827.84	527730.78
CURVE & CENTER POINT DATA FOR MR39						
191-192	25.00'	7.00'	357+61.76	42.00' RT.	1764827.84	527730.78

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

GEOMETRIC PLANS

SHEET NUMBER

13

OF 87

Username: sterling.paul Date:12/4/2015

Division: HIGHWAY

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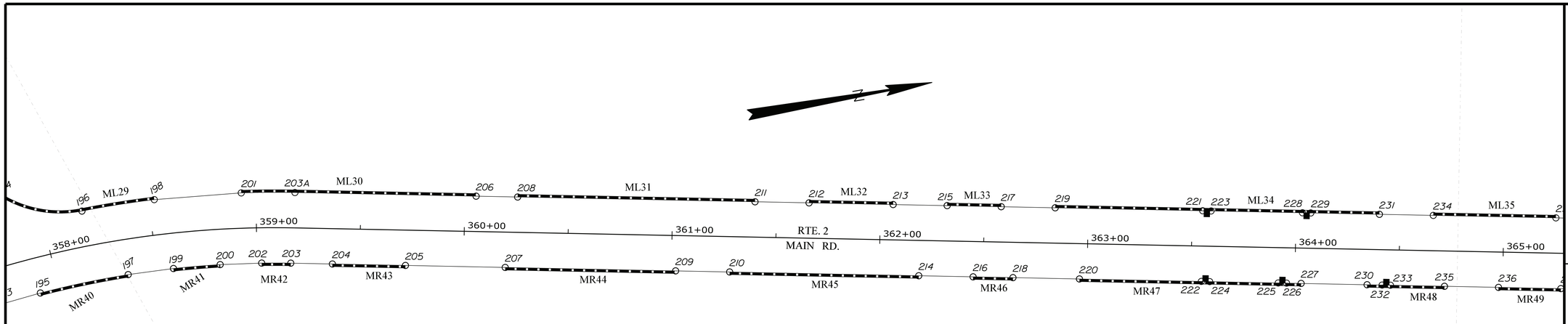


POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML29				
194	357+85.32	31.42' LT.	1764752.23	527745.38
196	358+18.76	17.00' LT.	1764764.68	527781.30
198	358+52.74	17.00' LT.	1764765.29	527816.51
CONTROL POINTS FOR ML30				
201	358+93.26	17.00' LT.	1764769.37	527858.30
203A	359+18.18	17.00' LT.	1764773.69	527883.77
206	360+05.37	17.00' LT.	1764790.55	527969.30
CONTROL POINTS FOR ML31				
208	360+25.37	17.00' LT.	1764794.42	527988.93
211	361+39.60	17.00' LT.	1764816.51	528101.00
CONTROL POINTS FOR ML32				
212	361+65.60	17.00' LT.	1764821.53	528126.51
213	362+06.06	17.00' LT.	1764829.36	528166.21
CONTROL POINTS FOR ML33				
215	362+32.06	17.00' LT.	1764834.39	528191.72
217	362+58.06	17.00' LT.	1764839.41	528217.23
CONTROL POINTS FOR ML34				
219	362+84.06	17.00' LT.	1764844.44	528242.74
221	363+55.06	17.00' LT.	1764858.17	528312.40
223	363+59.06	17.00' LT.	1764858.95	528316.33
228	364+03.06	17.00' LT.	1764867.45	528359.50
229	364+07.06	17.00' LT.	1764868.23	528363.42
231	364+40.06	17.00' LT.	1764874.61	528395.80

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR40				
195	357+90.50	17.00' RT.	1764800.02	527754.77
197	358+35.31	17.00' RT.	1764798.65	527797.90
CONTROL POINTS FOR MR41				
199	358+58.13	17.00' RT.	1764799.55	527819.86
200	358+81.54	17.00' RT.	1764801.59	527842.33
CONTROL POINTS FOR MR42				
202	359+02.30	17.00' RT.	1764804.34	527862.13
203	359+16.83	17.00' RT.	1764806.80	527875.91
CONTROL POINTS FOR MR43				
204	359+36.89	17.00' RT.	1764810.66	527895.54
205	359+72.05	17.00' RT.	1764817.46	527930.04
CONTROL POINTS FOR MR44				
207	360+20.06	17.00' RT.	1764826.75	527977.15
209	361+02.06	17.00' RT.	1764842.61	528057.60
CONTROL POINTS FOR MR45				
210	361+28.06	17.00' RT.	1764847.63	528083.11
214	362+19.06	17.00' RT.	1764865.23	528172.39
CONTROL POINTS FOR MR46				
216	362+45.23	17.00' RT.	1764870.29	528198.06
218	362+64.41	17.00' RT.	1764874.00	528216.88
CONTROL POINTS FOR MR47				
220	362+96.41	17.00' RT.	1764880.19	528248.28
222	363+55.06	17.00' RT.	1764891.53	528305.83
224	363+59.06	17.00' RT.	1764892.30	528309.75
225	363+92.06	17.00' RT.	1764898.69	528342.13
226	363+96.06	17.00' RT.	1764899.46	528346.05
227	364+03.06	17.00' RT.	1764900.81	528352.92
CONTROL POINTS FOR MR48				
230	364+34.83	17.00' RT.	1764906.96	528384.09
232	364+42.06	17.00' RT.	1764908.35	528391.19
233	364+46.06	17.00' RT.	1764909.13	528395.11
235	364+72.06	17.00' RT.	1764914.16	528420.62

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE DATA FOR ML29						
196-198		35.23'		LT.		
CURVE DATA FOR MR40						
195-197		43.17'		RT.		
CURVE DATA FOR MR41						
199-200		22.56'		RT.		
TANGENT, CURVE DATA FOR ML30						
201-203A		25.83'		LT.		
203A-206		87.18'		LT.		
TANGENT DATA FOR MR42						
202-203		14.00'		RT.		
TANGENT DATA FOR MR43						
204-205		35.17'		RT.		
TANGENT DATA FOR MR44						
207-209		82.00'		RT.		
TANGENT DATA FOR ML31						
208-211		114.23'		LT.		
TANGENT DATA FOR MR45						
210-214		91.00'		RT.		
TANGENT DATA FOR ML32						
212-213		40.47'		LT.		
TANGENT DATA FOR ML33						
215-217		26.00'		LT.		
TANGENT DATA FOR MR46						
216-218		19.18'		RT.		
TANGENT DATA FOR ML34						
219-231		156.00'		LT.		
TANGENT DATA FOR MR47						
220-227		106.66'		LT.		
TANGENT DATA FOR MR48						
230-235		37.23'		RT.		

ITEM 609.12 VERT CURB TYPE 1 - CIRCULAR						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
CURVE & CENTER POINT DATA FOR ML29						
194-196	55.00'	38.81'	358+18.76	72.00' LT.	1764709.69	527780.24

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

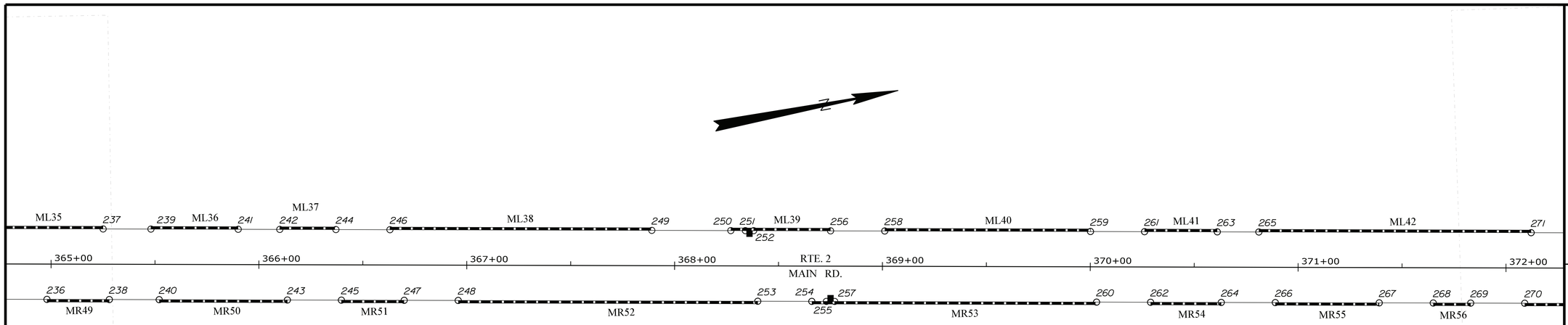
GEOMETRIC PLANS

SHEET NUMBER

14

OF 87

Filename: ...\MSTA\014_Geometry 05.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML35				
234	364+66.06	17.00' LT.	1764879.64	528421.31
237	365+25.06	17.00' LT.	1764891.05	528479.19
CONTROL POINTS FOR ML36				
239	365+51.06	17.00' LT.	1764896.07	528504.70
241	365+90.06	17.00' LT.	1764903.62	528542.97
CONTROL POINTS FOR ML37				
242	366+10.06	17.00' LT.	1764907.48	528562.59
244	366+37.06	17.00' LT.	1764912.70	528589.08
CONTROL POINTS FOR ML38				
246	366+63.06	17.00' LT.	1764917.73	528614.59
249	367+89.02	17.00' LT.	1764942.09	528738.16
CONTROL POINTS FOR ML39				
250	368+27.00	17.00' LT.	1764949.44	528775.43
251	368+34.00	17.00' LT.	1764950.79	528782.30
252	368+38.00	17.00' LT.	1764951.56	528786.23
256	368+75.06	17.00' LT.	1764958.73	528822.59
CONTROL POINTS FOR ML40				
258	369+01.06	17.00' LT.	1764963.76	528848.10
259	370+00.06	17.00' LT.	1764982.90	528945.23
CONTROL POINTS FOR ML41				
261	370+26.06	17.00' LT.	1764987.93	528970.74
263	370+61.06	17.00' LT.	1764994.70	529005.08
CONTROL POINTS FOR ML42				
265	370+81.06	17.00' LT.	1764998.57	529024.70
271	372+12.06	17.00' LT.	1765023.90	529153.23

POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR MR49				
236	364+98.06	17.00' RT.	1764919.18	528446.13
238	365+28.06	17.00' RT.	1764924.98	528475.56
CONTROL POINTS FOR MR50				
240	365+52.06	17.00' RT.	1764929.63	528499.11
243	366+13.73	17.00' RT.	1764941.55	528559.61
CONTROL POINTS FOR MR51				
245	366+39.73	17.00' RT.	1764946.58	528585.12
247	366+69.94	17.00' RT.	1764952.42	528614.76
CONTROL POINTS FOR MR52				
248	366+95.94	17.00' RT.	1764957.45	528640.27
253	368+40.06	17.00' RT.	1764985.32	528781.67
CONTROL POINTS FOR MR53				
254	368+66.06	17.00' RT.	1764990.35	528807.18
255	368+73.06	17.00' RT.	1764991.70	528814.05
257	368+77.06	17.00' RT.	1764992.47	528817.97
260	370+03.06	17.00' RT.	1765016.84	528941.60
CONTROL POINTS FOR MR54				
262	370+29.06	17.00' RT.	1765021.87	528967.11
264	370+63.06	17.00' RT.	1765028.44	529000.46
CONTROL POINTS FOR MR55				
266	370+89.06	17.00' RT.	1765033.47	529025.97
267	371+39.06	17.00' RT.	1765043.14	529075.03
CONTROL POINTS FOR MR56				
268	371+65.06	17.00' RT.	1765048.17	529100.54
269	371+83.06	17.00' RT.	1765051.65	529118.20

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR ML35						
234-237		59.00'		LT.		
TANGENT DATA FOR MR49						
236-238		30.00'		RT.		
TANGENT DATA FOR ML36						
239-241		39.00'		LT.		
TANGENT DATA FOR MR50						
240-243		61.66'		RT.		
TANGENT DATA FOR ML37						
242-244		27.00'		LT.		
TANGENT DATA FOR MR51						
245-247		30.21'		RT.		
TANGENT DATA FOR ML38						
246-249		125.95'		LT.		
TANGENT DATA FOR MR52						
248-253		144.13'		RT.		
TANGENT DATA FOR ML39						
250-256		48.06'		LT.		
TANGENT DATA FOR MR53						
254-260		137.00'		RT.		
TANGENT DATA FOR ML40						
258-259		99.00'		LT.		
TANGENT DATA FOR ML41						
261-263		35.00'		LT.		
TANGENT DATA FOR MR54						
262-264		34.00'		RT.		
TANGENT DATA FOR ML42						
265-271		131.00'		LT.		
TANGENT DATA FOR MR55						
266-267		50.00'		RT.		
TANGENT DATA FOR MR56						
268-269		18.00'		RT.		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER
MAR 2014

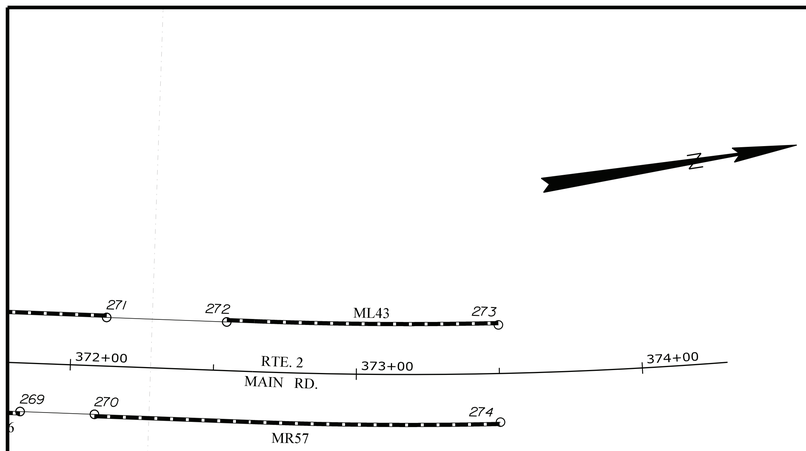
DATE

MILFORD
US ROUTE 2

GEOMETRIC PLANS

SHEET NUMBER
15
OF 87

Filename: ...\MSTA\015_Geometry 06.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



POINT	STATION	OFFSET	X COORD	Y COORD
CONTROL POINTS FOR ML43				
272	372+54.06	17.00' LT.	1765032.02	529194.43
273	373+50.00	17.00' LT.	1765047.89	529288.01
CONTROL POINTS FOR MR57				
270	372+09.06	17.00' RT.	1765056.68	529143.71
274	373+50.00	17.00' RT.	1765081.58	529283.43

ITEM 609.11 VERT CURB TYPE 1						
PT. to PT.	RADIUS	LENGTH	STATION	OFFSET	X COORD	Y COORD
TANGENT DATA FOR MR57						
270-274		141.95'		RT.		
TANGENT DATA FOR ML43						
272-273		94.93'		LT.		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	MAR. 2014	
REVISIONS 1	-----	-----	
REVISIONS 2	-----	-----	
REVISIONS 3	-----	-----	
REVISIONS 4	-----	-----	
FIELD CHANGES	-----	-----	

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

GEOMETRIC PLANS

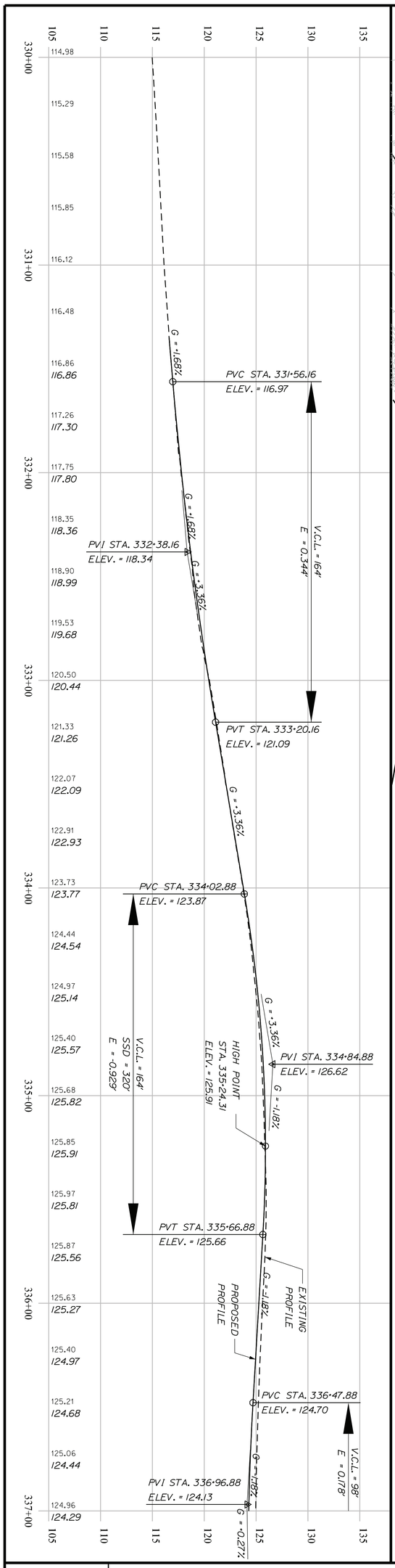
SHEET NUMBER

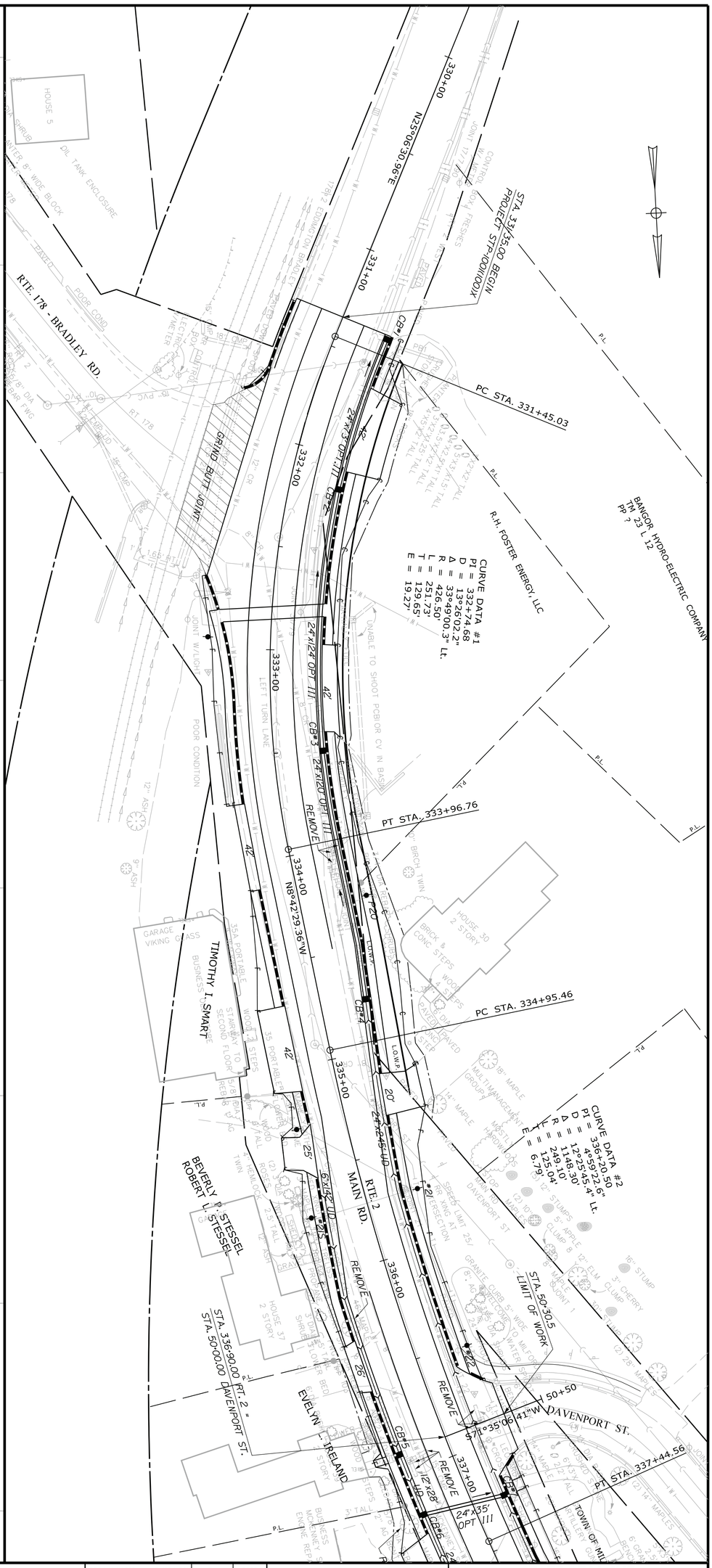
16

OF 87

Filename: ...\MSTA\016_Geometry 07.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\HIGHWAY\MSTA\017_HDPLAN1.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015





STA.330+00.00 TO STA. 337+00.00

MILFORD
US ROUTE 2
PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3			MAR 2014
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

DATE

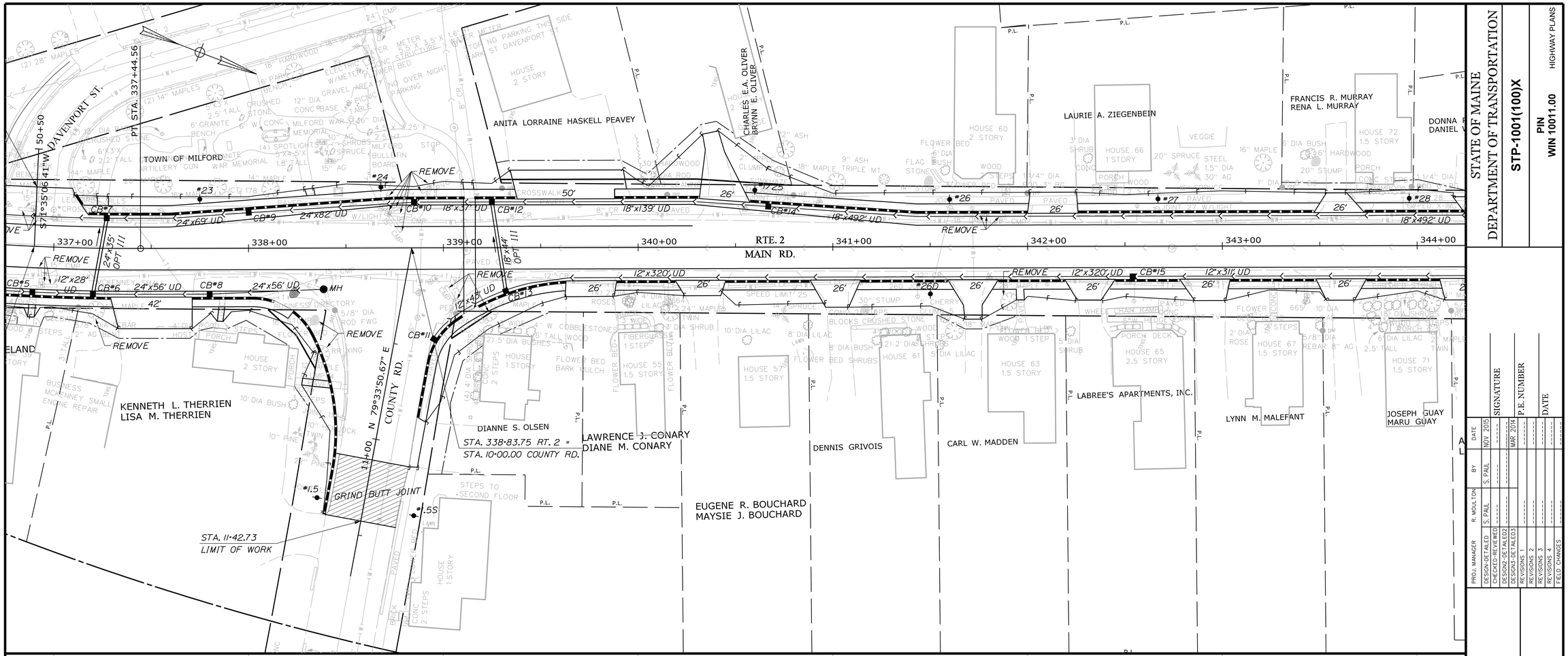
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

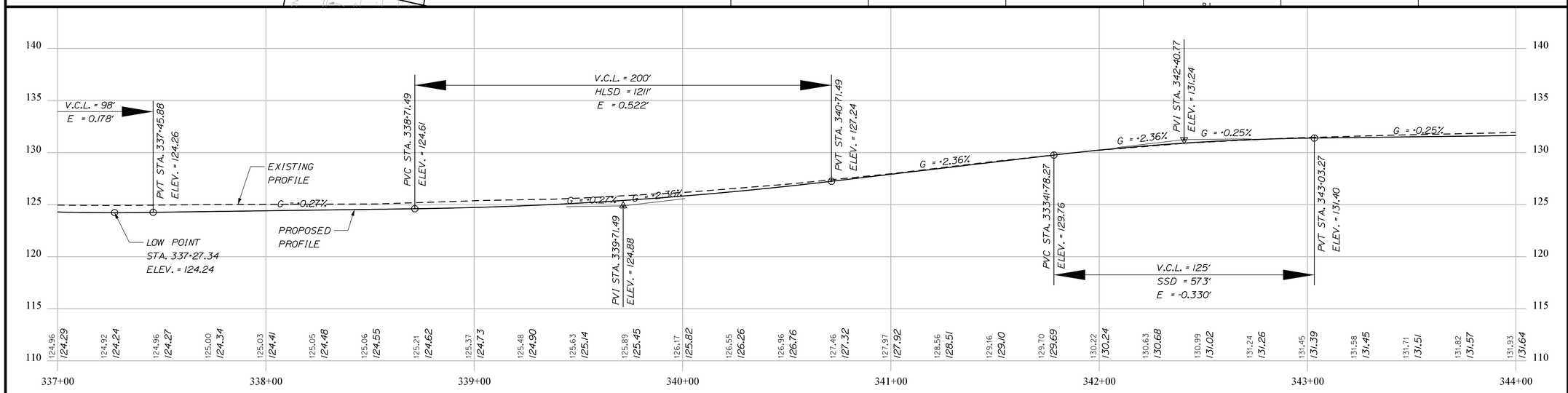
STP-1001(100)X

PIN
WIN 10011.00 HIGHWAY PLANS

SHEET NUMBER 17 OF 87

Filename: ...\HIGHWAY\MSTA\018_HDPLAN2.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015





STA.337+00.00 TO STA. 344+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

PLANS

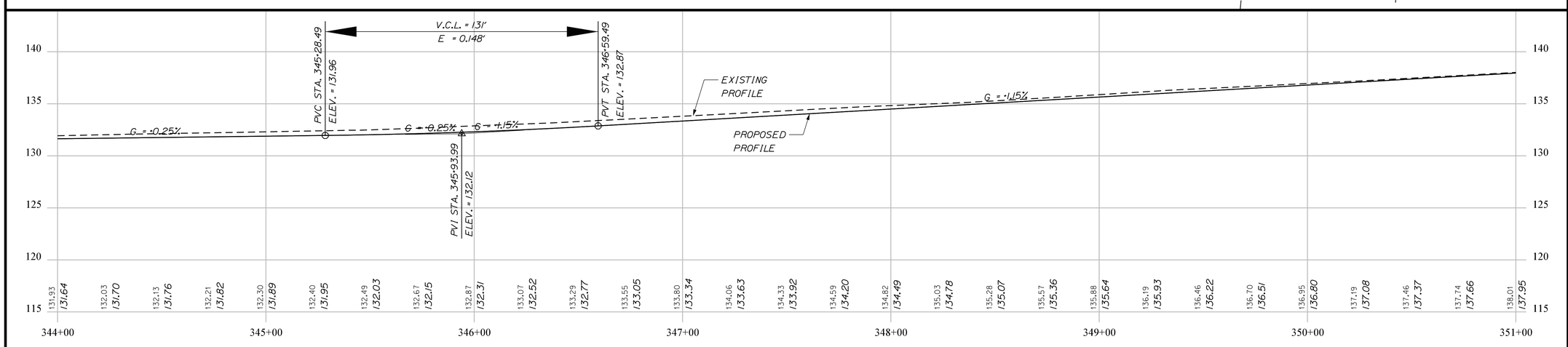
SHEET NUMBER

18

OF 87

Filename: ...\HIGHWAY\MSTA\019_HDPLAN3.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015

STA. 60+37.23
LIMIT OF WORK
TOWN OF MILFORD
STA. 345+30.00 RT. 2 =
STA. 60+00.00 BRIDGE ST.
BRIDGE ST.
P.L.
DONNA R. EMERSON
DANIEL W. EMERSON
HOUSE 76
CHARLES W. CURTIS, JR.
ABANDONED GARAGE
TOWN OF MILFORD RD
REDEMPTION CENTER
2.5 STORY
HOUSE 88
STA. 80+44.80
LIMIT OF WORK
MILL ST.
DAVID C. SPRUCE
HOUSE 64
STA. 348+64.00 RT. 2 =
STA. 80+00.00 COUNTY RD.
LAWRENCE S. ROBBINS
ZENAIDA D. ROBBINS
HOUSE 96
1.5 STORY
LAWRENCE S. ROBBINS
ZENAIDA D. ROBBINS
HOUSE 98
DONNA L. ULMER
S55°52'24.30"W
60+50
S68°51'45.25"W
80+50
#28
#29
#1/30
#33
#34
#1/35
REMOVE
18"x492' UD
CB#16
18"x255' UD
18"x255' UD
CB#18
18"x224' OPT III
CB#19
12"x344' UD
18"x36' OPT III
344+00
345+00
346+00
347+00
RTE. 2
MAIN RD.
348+00
349+00
350+00
351+00
N21°08'14.75"W
12"x311' UD
CB#17
6"x255' UD
6"x255' UD
CB#20
6"x1280' UD
#345
N68°51'45.25"E
70+50
BRIDGE ST.
TOP MAIN ST BRIDGE ST
HOUSE 71
1.5 STORY
HOUSE 73
HOUSE 81
HOUSE 83
2 STORY
HOUSE 85
2.5 STORY
HOUSE 87
HOUSE 89
2.5 STORY
BUSINESS
AUTO REPAIR
1 STORY
HOUSE 97
1.5 STORY
WEBBER OIL COMPANY
JOSEPH GUAY
MARU GUAY
ARTHUR TAYLOR
LINDA M. TAYLOR
GARY LEE EASTMAN
STA. 70+39.80
LIMIT OF WORK
COLLEEN P. COMSTOCK
STA. 345+38.00 RT. 2 =
STA. 70+00.00 BRIDGE ST.
MERTON LUGDON
DAMIEN LABREE
HAROLD DUBOIS
ONIDA DUBOIS
RICHARD L. LACADIE
ANITA E. LACADIE
HELEN ST. LOUIS
WILLIAM ST. LOUIS
SCOTT ST. LOUIS
RODNEY ST. LOUIS
LISA ST. LOUIS
LINDA RUNNELLS



STA.344+00.00 TO STA. 351+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2	------	
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	
REVISIONS 2	------	
REVISIONS 3	------	
REVISIONS 4	------	
FIELD CHANGES	------	

SIGNATURE

P.E. NUMBER

DATE

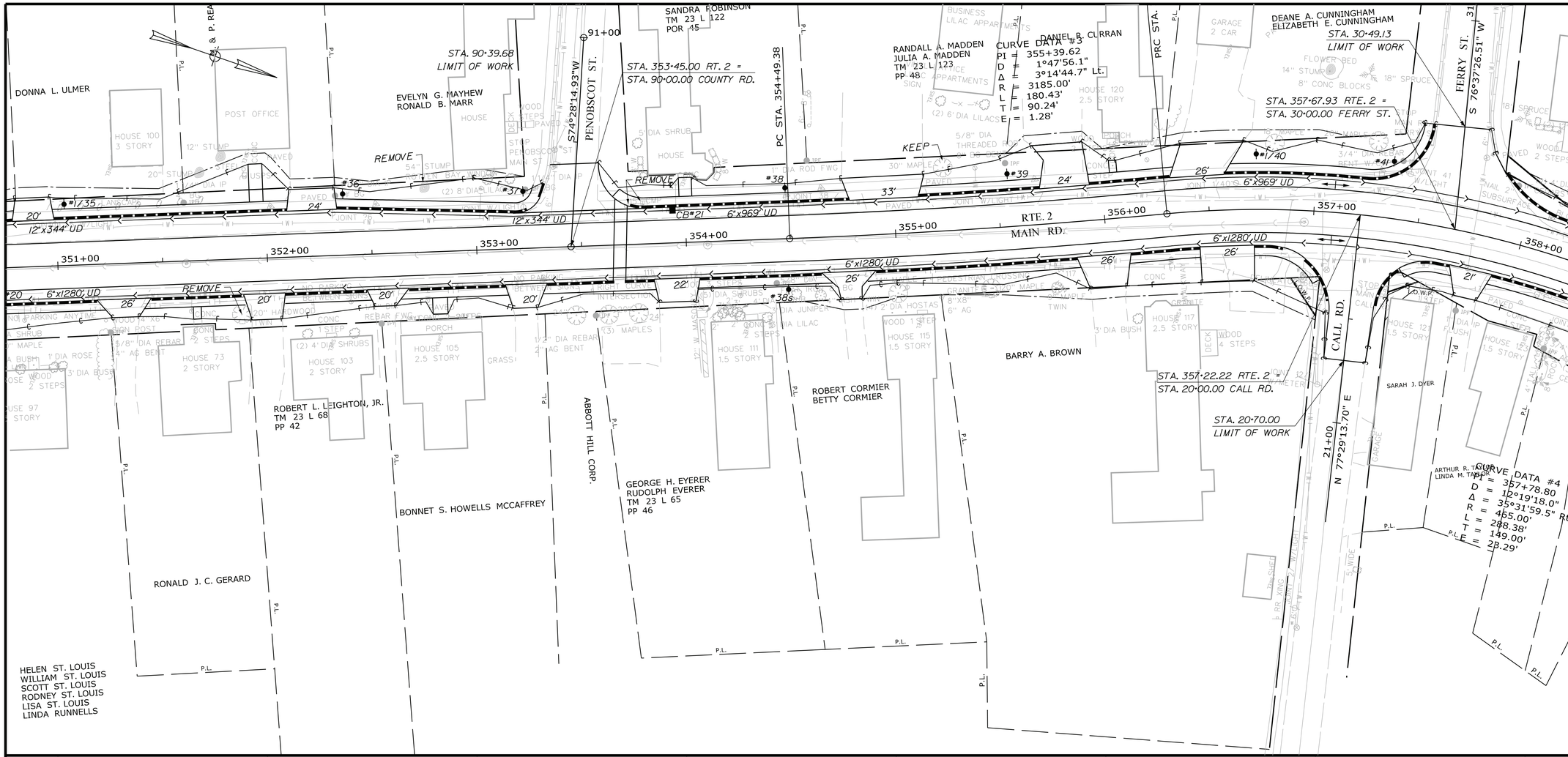
MILFORD
US ROUTE 2

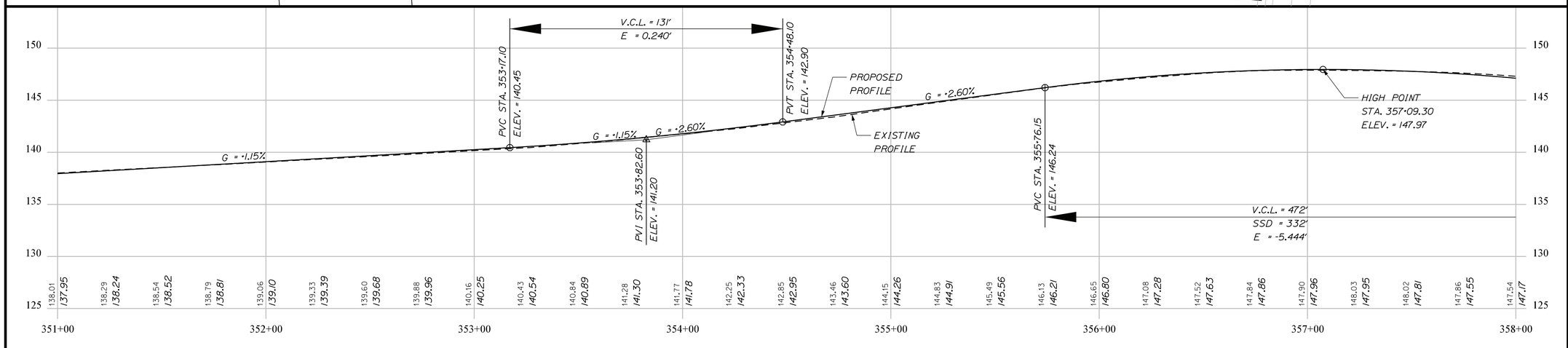
PLANS

SHEET NUMBER

19

OF 87





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED			
DESIGN2-DETAILED2			MAR 2014
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

PLANS

SHEET NUMBER

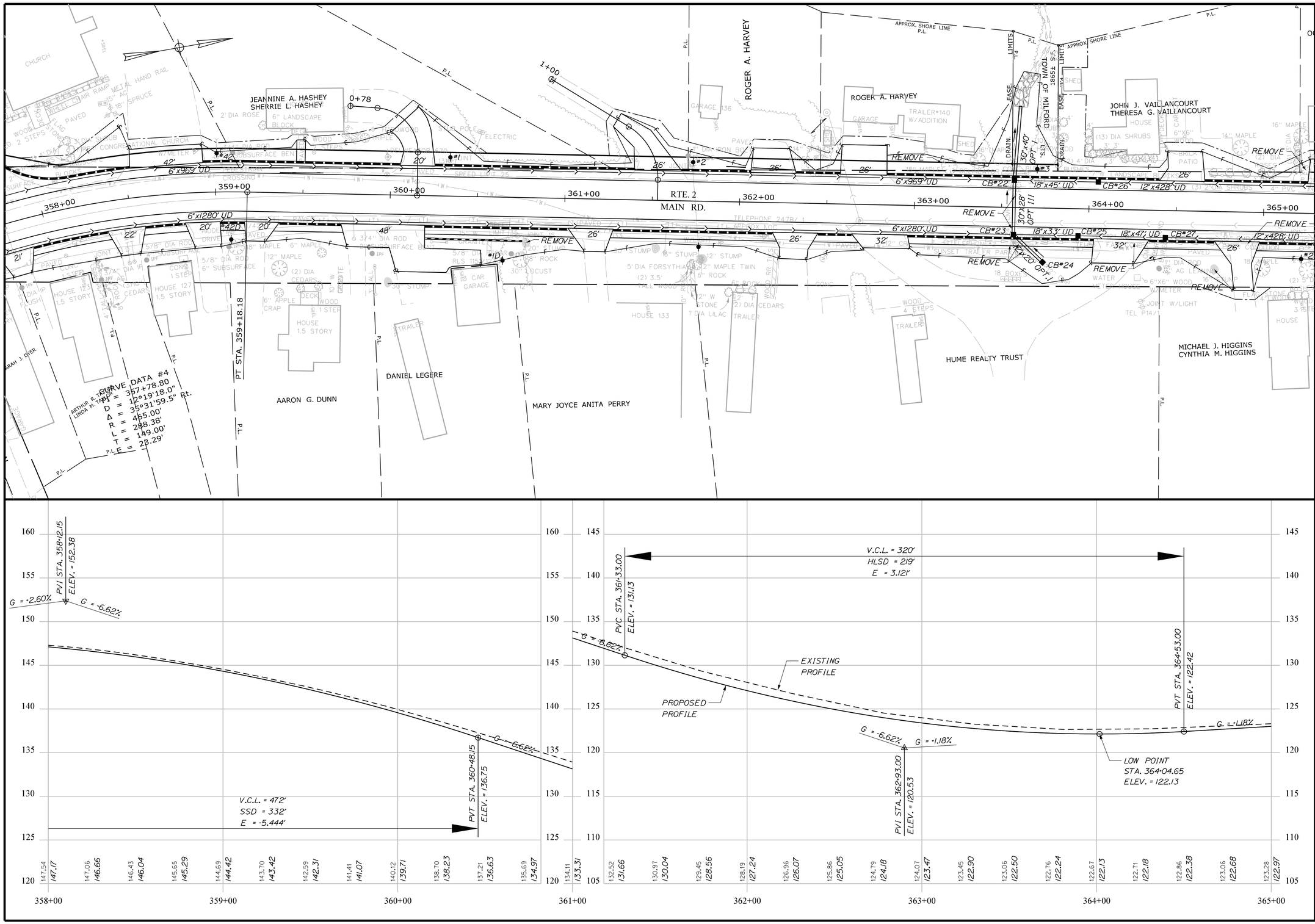
20

OF 87

STA.351+00.00 TO STA. 358+00.00

Filename: ...\HIGHWAY\MSTA\020_HDPLAN4.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\HIGHWAY\MSTA\021_HDPLAN5.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015



STA.358+00.00 TO STA. 365+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	DATE
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

PLANS

SHEET NUMBER

21

OF 87

Filename: ...\HIGHWAY\MSTA\022_HDPLAN6.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015

OCWEN LOAN SERVICING, LLC

JAMES W. KING
MARY S. KING
HOUSE 156
1 STORY
DECK

SEWER PUMPING STATION

FIRST CONGREGATIONAL CH...
OF MILFORD

MAURICE A. DOYON
RUTH DOYON
HOUSE 164
1 STORY
GARAGE

LAWRENCE
JAYNE ZEIT

HOUSE
1.5 STORY
GARAGE

HOUSE
BRICK
GARAGE
CONC
2 STEPS
GARAGE
3 PORTABLE
GARAGE
CRUSHED STONE

HOUSE
(2) 3' DIA SHRUBS
GARAGE
BUILDING OVERHANG
FRAME ON
PAVED
4" DIA
PVC CAP
1" DIA ROD
W/NUT
BC

16" MAPLE
12" APPLE
14" PINE
18" BIRCH
CMP
15" CMP
46" MAPLE
4" DIA
ROSE
6" WOOD
WOOD
1 STEP
14" OAK
28" OAK
4" HARDWOOD
TWIN
34" TWIN
MAPLES
POOR
CONDITION
FLOWERS
SHRUBS
MILFORD MOTEL
4" WIRE
FENCE
4 MILFORD CAR WASH
LILACS
SPRUCE

REMOVE
#4
#5
#6
#7
#7D
#9D
23'
20'
26'
38'
*160
CRUSHER DUST
12"x428' UD
CB#28
6"x473' UD
6"x434' UD
CB#29
JOINT NO*
JOINT*7D
JOINT*9D

365+00 366+00 367+00 368+00 369+00 370+00 371+00 372+00
N11°09'00.08"E
RTE. 2
MAIN RD.

REMOVE
12"x428' UD
24'
26'
#25
#4D
#4DD
#5D
#6D
#7D
247P5D
5/8" DIA ROD
W/NUT FWO
1" AG BENT
5/8" DIA REBAR
KEEP

HOUSE
(2) 5' DIA
SHRUB
CLUMP 9
FLAG STONE
WOOD
3 STEPS
WOOD
1 STEP
HOUSE 151
1.5 STORY
HOUSE
1.5 STORY
CONC
4 STEPS
HOUSE
1.5 STORY
GRANITE 8" AG
(2) 36" MAPLES
20" MAPLE
38" STUMP
44" PINE
(2) 4" PVC
ELECTRIC NO*
30" MAPLE
4" HARDWOOD
ELECTRIC NO*
BUSINESS ANTIQUES
BUY
ANTIQUES
LAWN
PAVED
20"
8" CHERRY
(3) MAPLES
16"
14" MAP

26" MAPLE
48" MAPLE

HIGGINS
HIGGINS

KARL W. LAURENOVICS
ANGELICA B. VICNAIRE

ALFRED SMITH

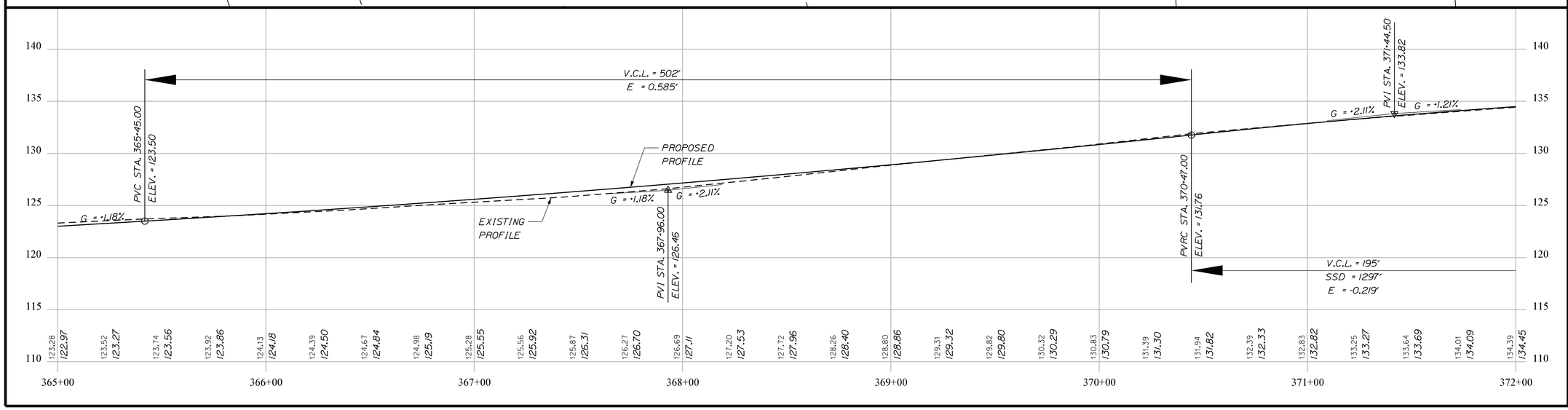
VERA P. AMBROSE

WILFRED EMMETT KING

HAROLD
JANE A.

HELGA A. CROSS
DANIEL M. CROSS

P.L.



STA.365+00.00 TO STA. 372+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

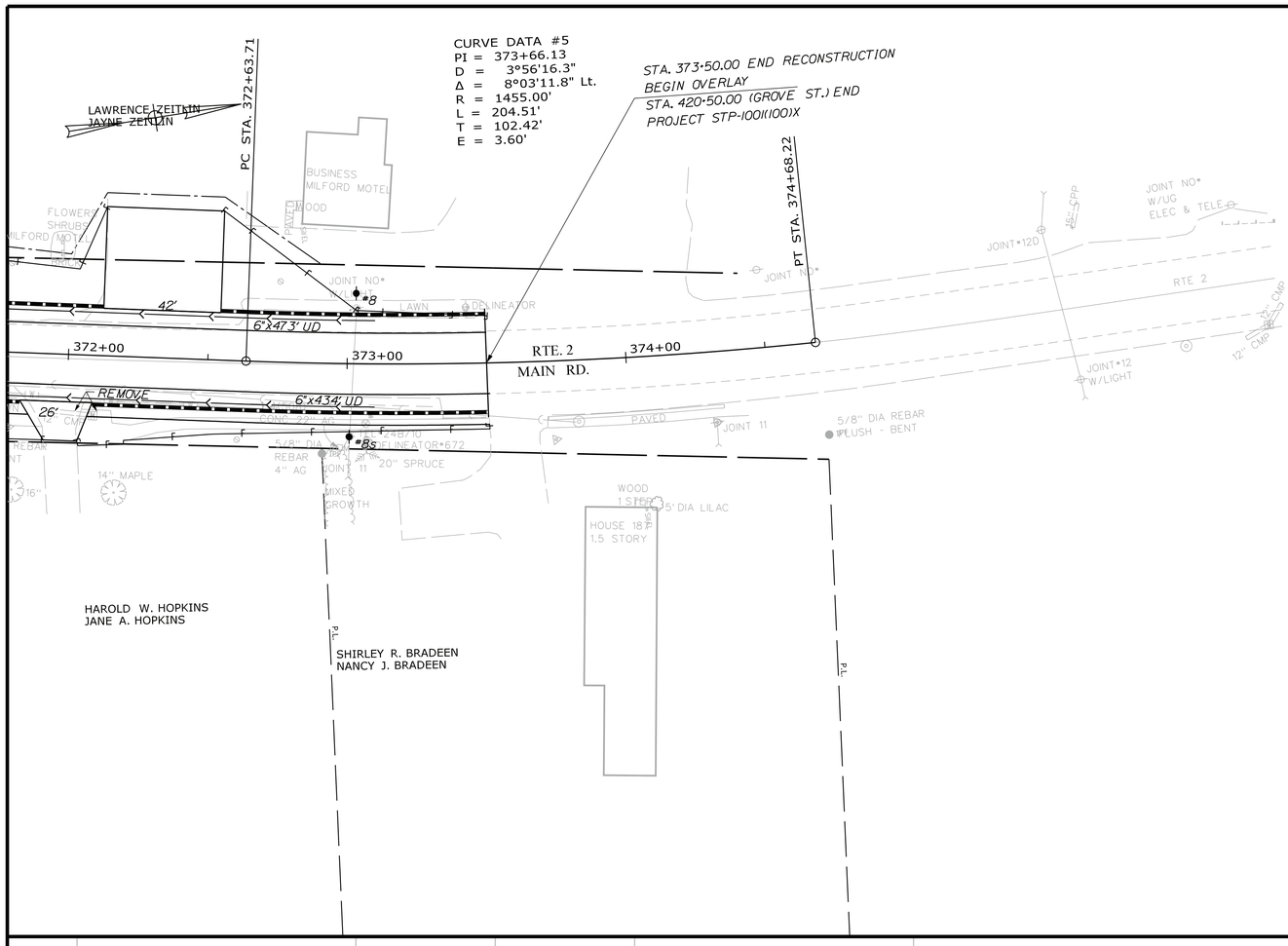
MILFORD
US ROUTE 2

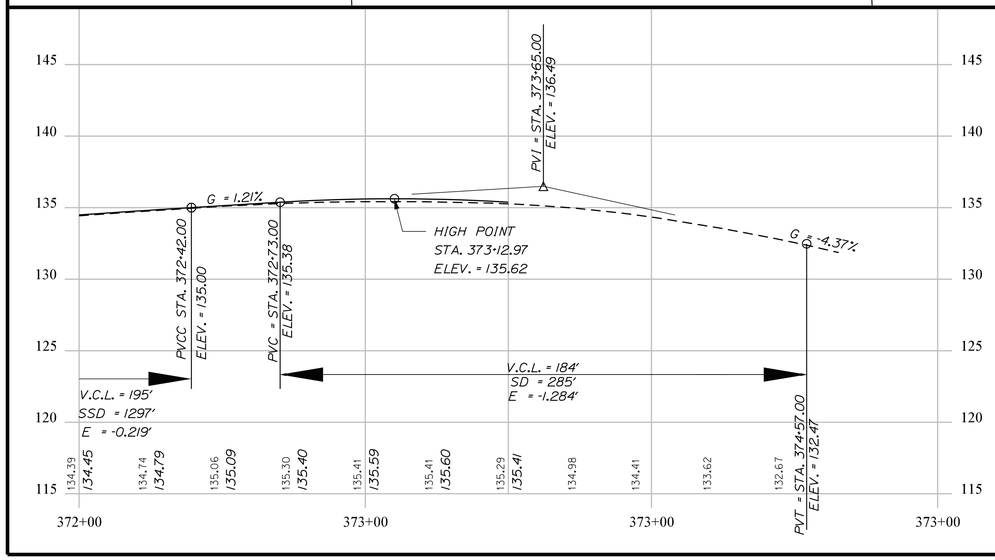
PLANS

SHEET NUMBER

22

OF 87





STA.372+00.00 TO STA. 373+94.43

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	MAR 2014
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

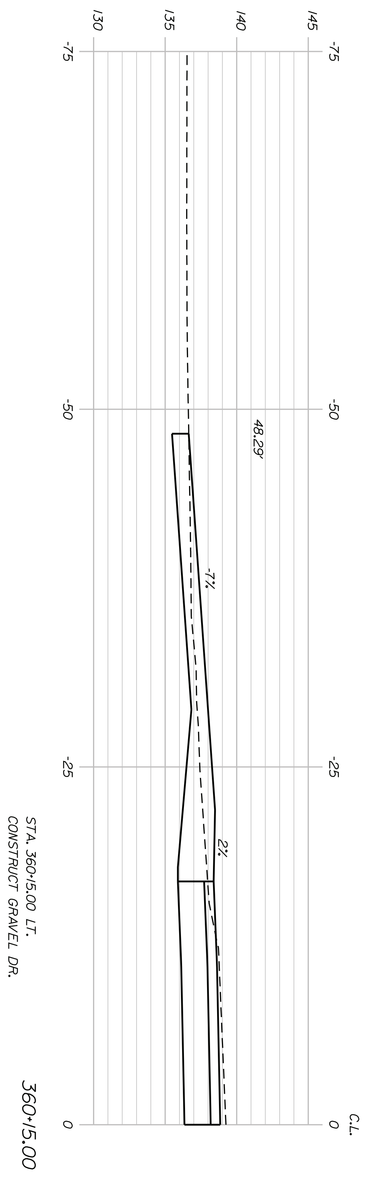
PLANS

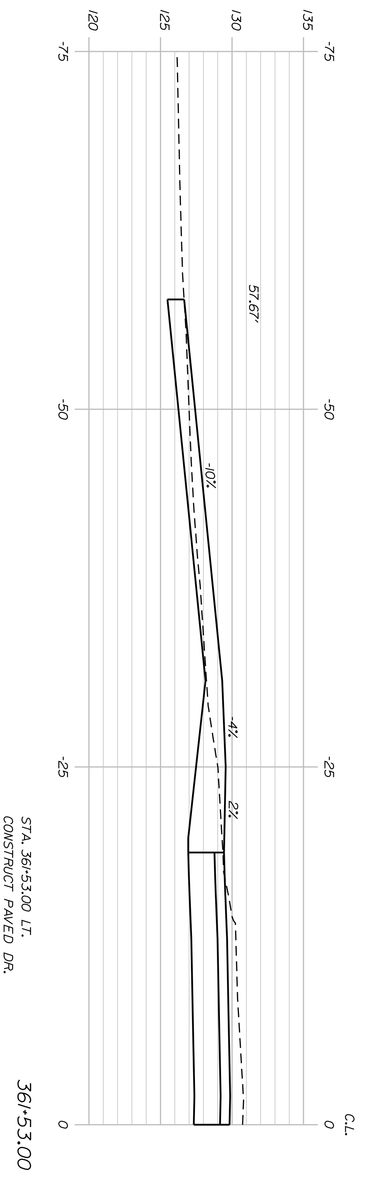
SHEET NUMBER

23

OF 87

Filename: ...\HIGHWAY\MSTA\023_HDPLAN7.DGN Division: HIGHWAY Username: sterling.paul Date:12/4/2015





SCALE 1:5

SHEET NUMBER 24 OF 87

MILFORD
US ROUTE 2

SPECIAL PROFILE
DRIVES

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3			MAR 2014
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

SIGNATURE

P.E. NUMBER

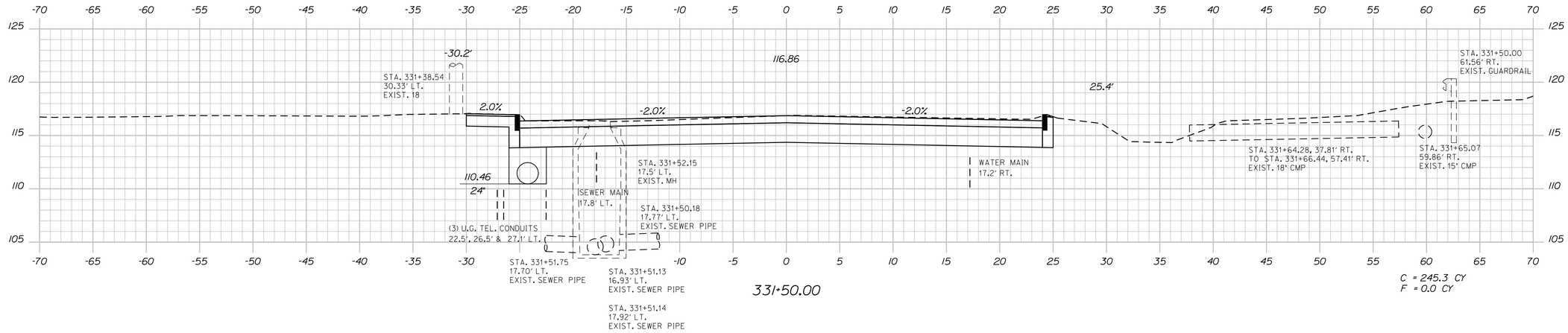
DATE

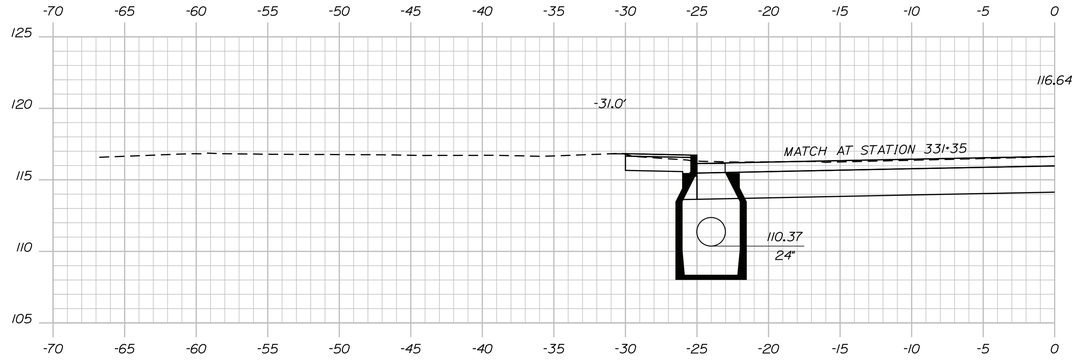
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS



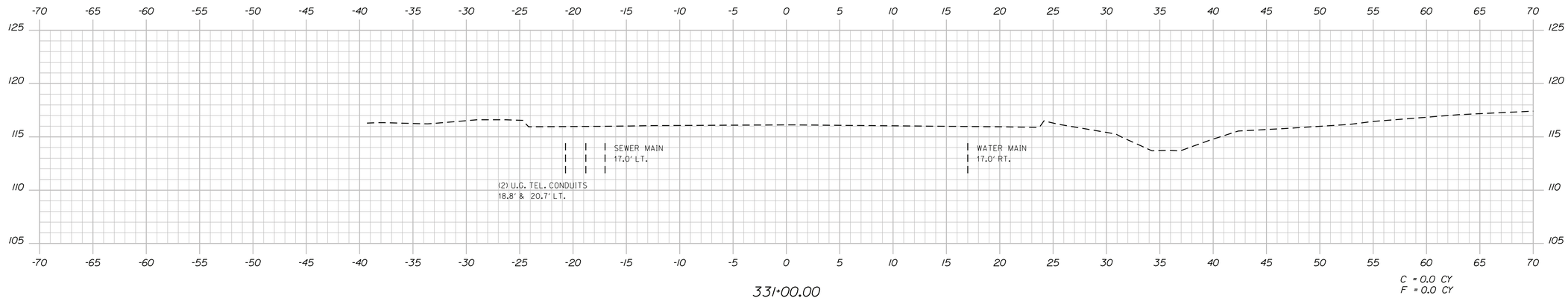


CB#1 LT. TO CB#2 LT.
INSTALL 24" x 73' CULV. PIPE OPT. III

(CB#1) STA. 331+37.00, 23.9' LT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 116.05
CONNECT EXIST. 24" UD (ELEV. = ± 110.12)

331+37.00

STA. 331+35.00
BEGIN PROJECT STP-1001(100)X
MATCH EXISTING



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	MAR 2014
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

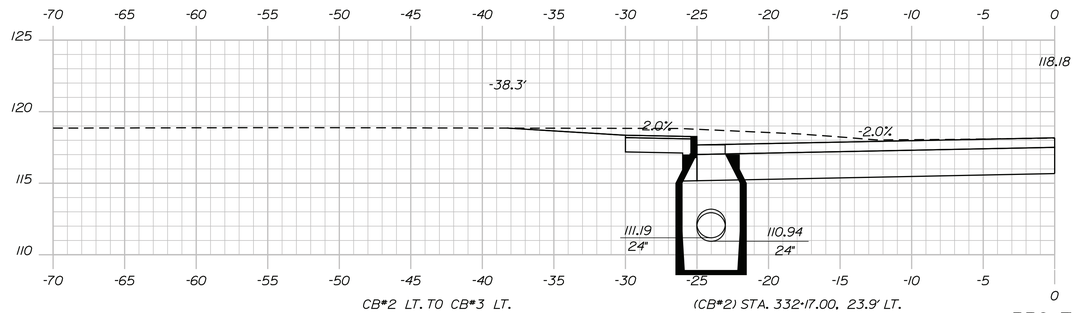
SHEET NUMBER

25

OF 87

Sta. 331+00.00 to Sta. 331+50.00

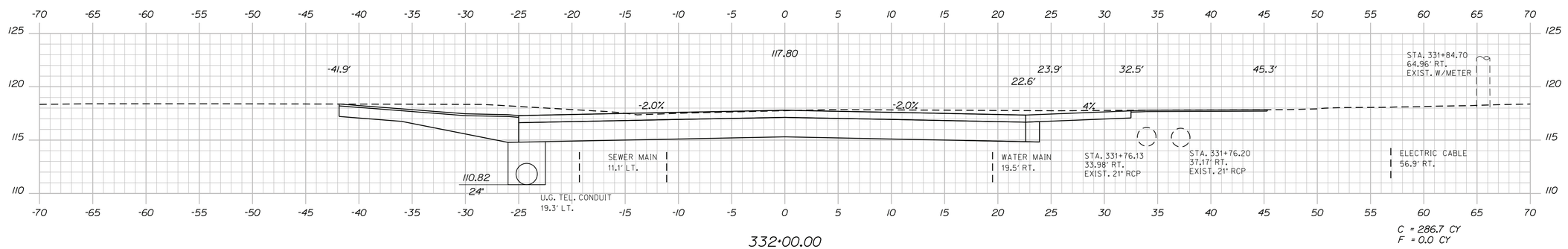
Filename: ...\MSTA\025_XSECT_331+00_001.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



CB*2 LT. TO CB*3 LT.
INSTALL 24" x 124' CULV. PIPE OPT. III

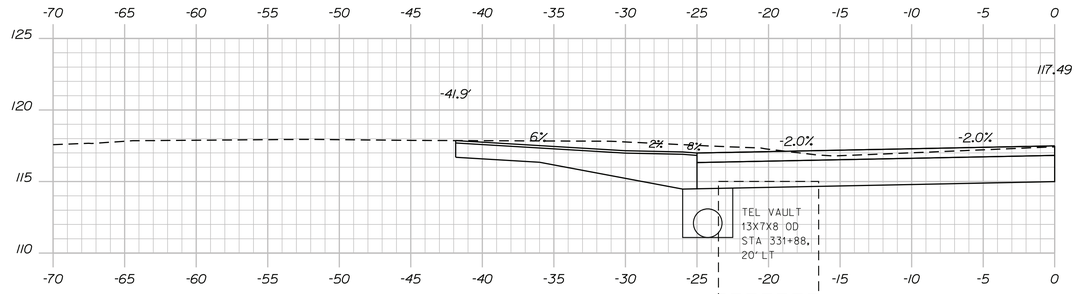
(CB*2) STA. 332+17.00, 23.9' LT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 117.58

332+17.00



332+00.00

C = 286.7 CY
F = 0.0 CY



STA. 331+85.00 LT.
CONSTRUCT PAVED ENT.

331+85.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	BY	DATE
CHECKED-REVIEWED	S. PAUL	S. PAUL	NOV 2015
DESIGN2-DETAILED2	------	-----	-----
DESIGN3-DETAILED3	------	-----	MAR 2014
REVISIONS 1	------	-----	-----
REVISIONS 2	------	-----	-----
REVISIONS 3	------	-----	-----
REVISIONS 4	------	-----	-----
FIELD CHANGES	------	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

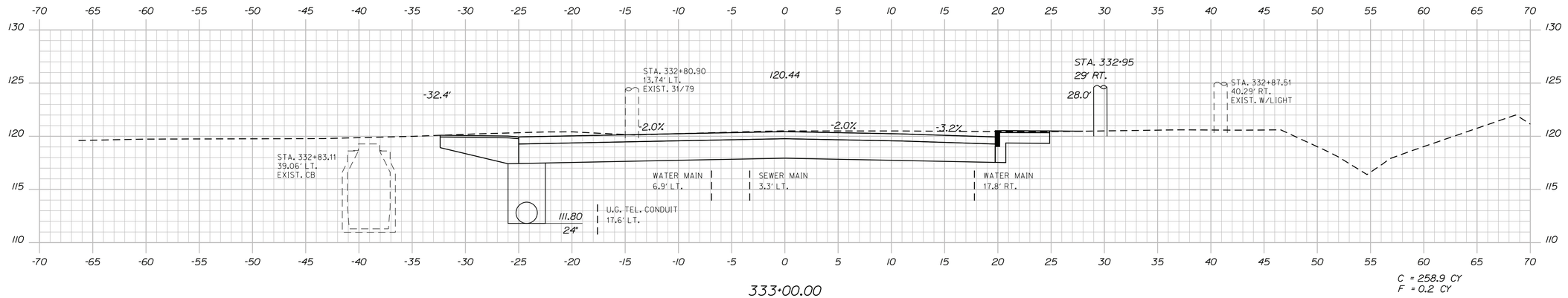
CROSS SECTIONS

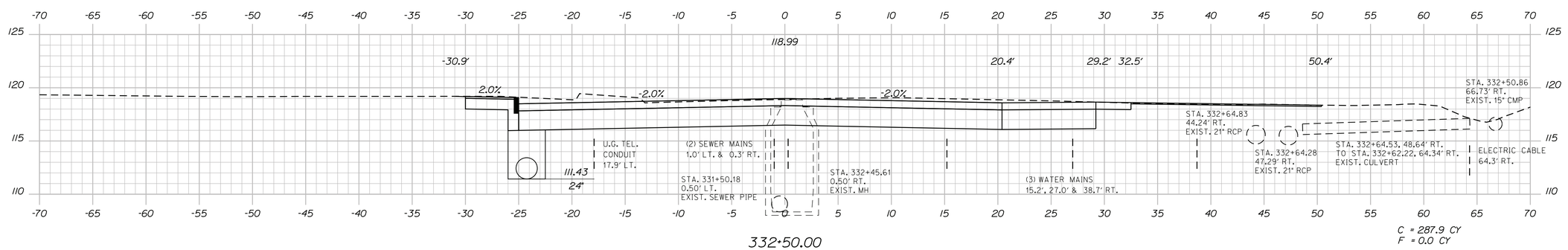
SHEET NUMBER

OF 87

Sta. 331+82.00 to Sta. 332+17.00

Filename: ...\MSTA\026_XSECT_331+82_002.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	BY	DATE
CHECKED-REVIEWED	S. PAUL	S. PAUL	NOV 2015
DESIGN2-DETAILED2	------	-----	-----
DESIGN3-DETAILED3	------	-----	MAR 2014
REVISIONS 1	------	-----	-----
REVISIONS 2	------	-----	-----
REVISIONS 3	------	-----	-----
REVISIONS 4	------	-----	-----
FIELD CHANGES	------	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

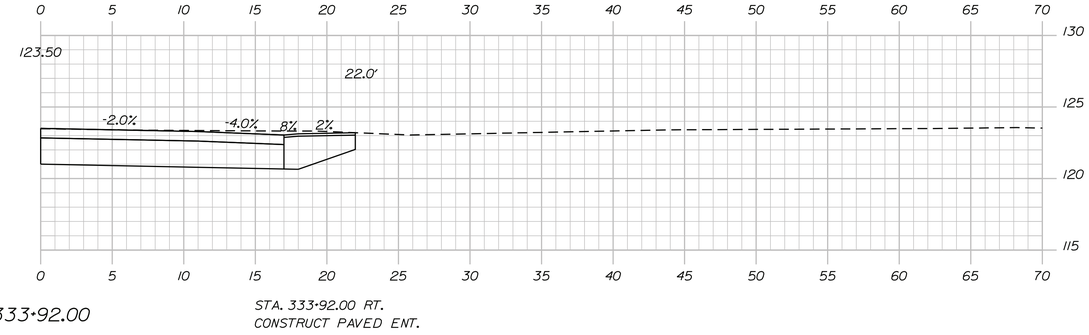
SHEET NUMBER

27

OF 87

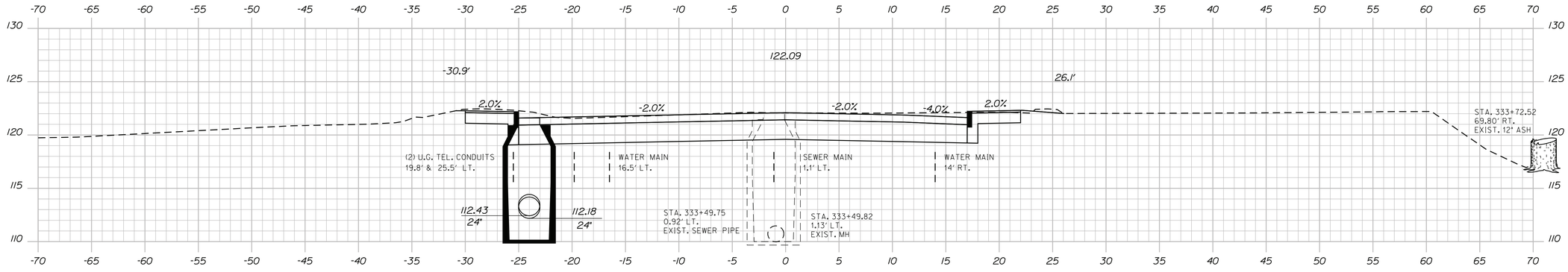
Sta. 332+50.00 to Sta. 333+00.00

Filename: ...\MSTA\027_XSECT_332+50_003.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



333+92.00

STA. 333+92.00 RT.
CONSTRUCT PAVED ENT.

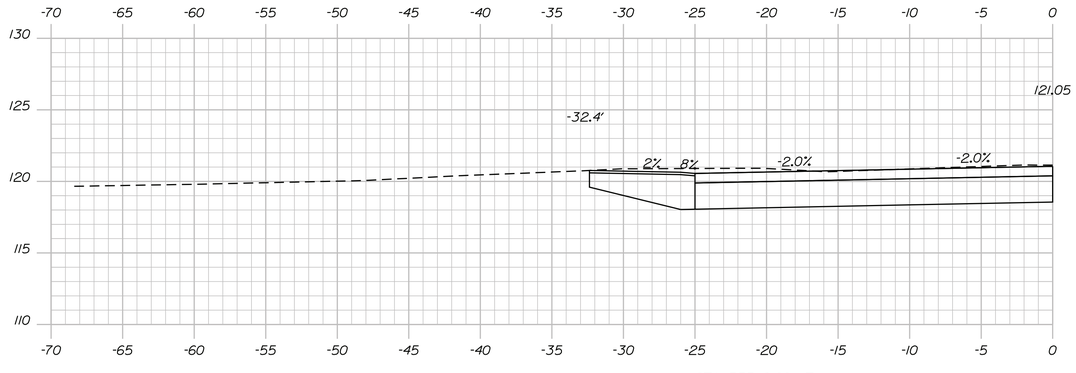


CB*3 LT. TO CB*4 LT.
INSTALL 24" x 120' CULV. PIPE OPT. III

(CB*3) STA. 333+51.00. 23.9' LT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 121.52

333+50.00

C = 229.9 CY
F = 0.4 CY



STA. 333+19.00 LT.
CONSTRUCT PAVED ENT.

333+19.00

Sta. 333+19.00 to Sta. 333+92.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

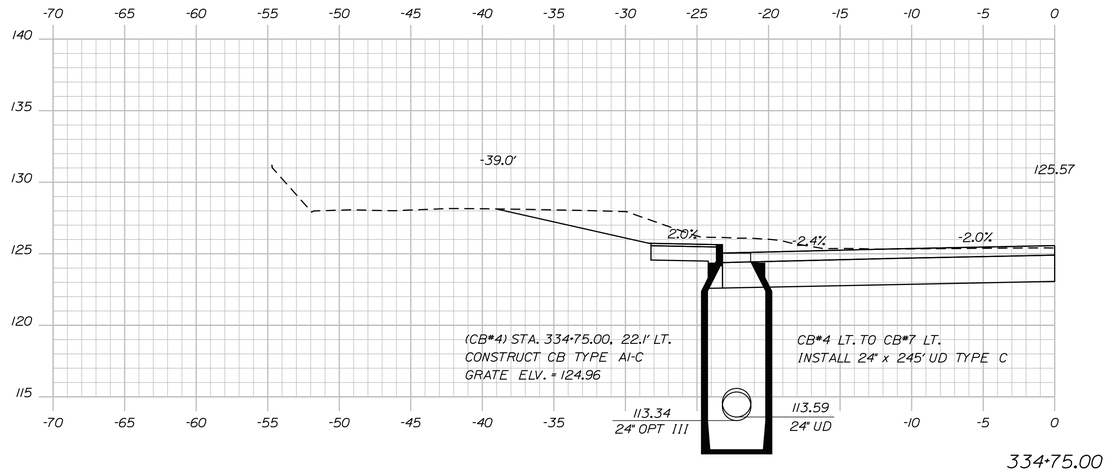
CROSS SECTIONS

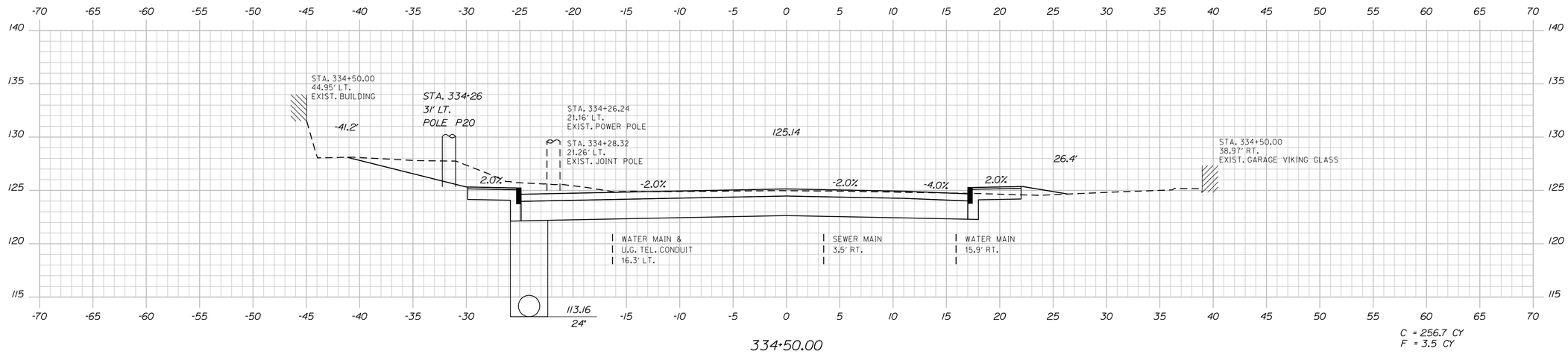
SHEET NUMBER

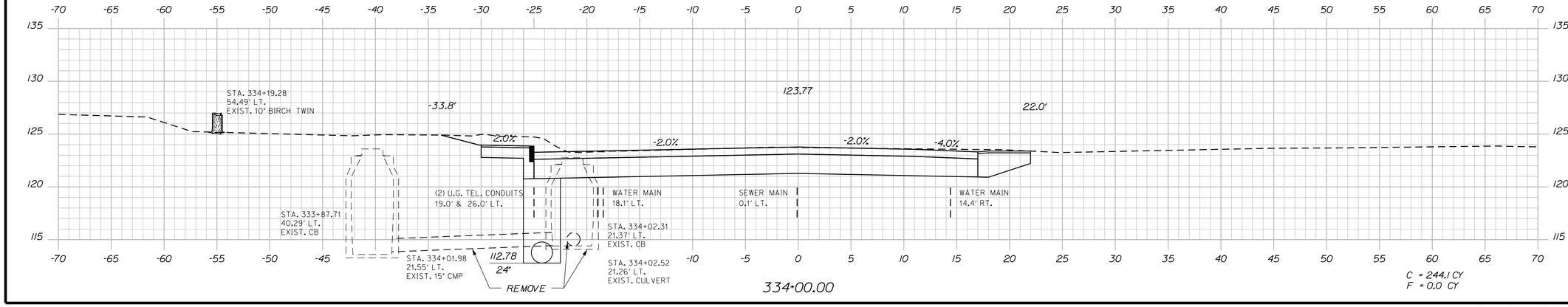
28

OF 87

Filename: ...\MSTA\028_XSECT_333+19_004.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







Sta. 334+00.00 to Sta. 334+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER MAR 2014

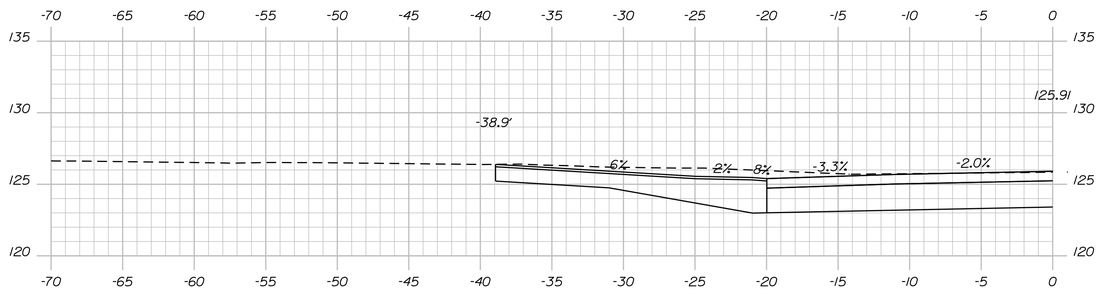
DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

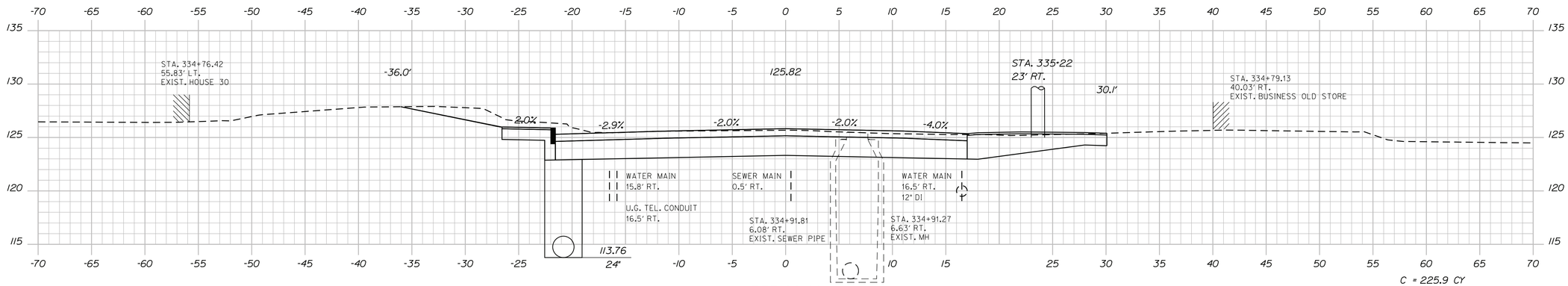
SHEET NUMBER
29
OF 87

Filename: ...\MSTA\029_XSECT_334+00_005.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



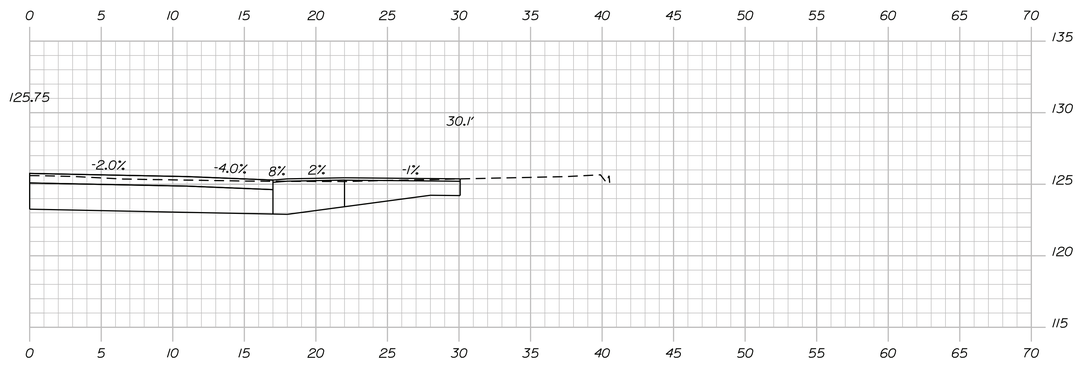
STA. 335+24.00 LT.
CONSTRUCT PAVED DR.

335+24.00



335+00.00

C = 225.9 CY
F = 0.0 CY



334+91.00

STA. 334+91.00 RT.
CONSTRUCT PAVED ENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		MAR 2014
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

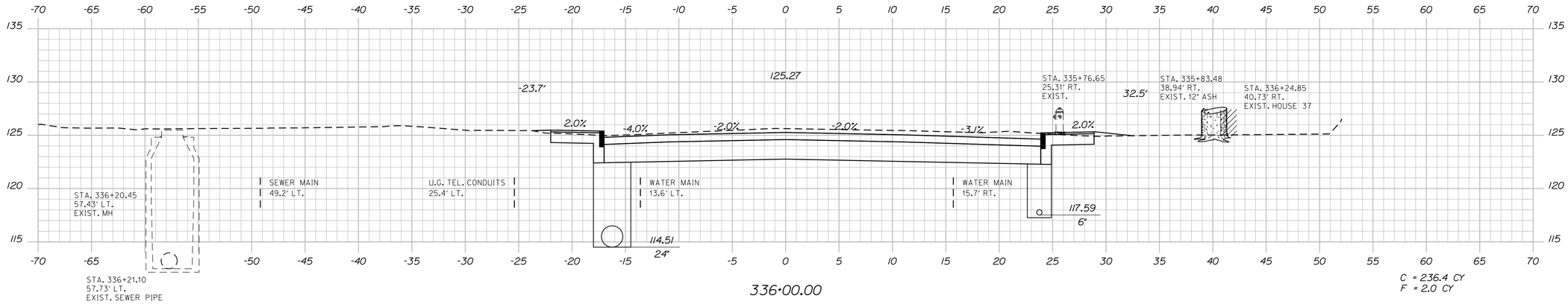
SHEET NUMBER

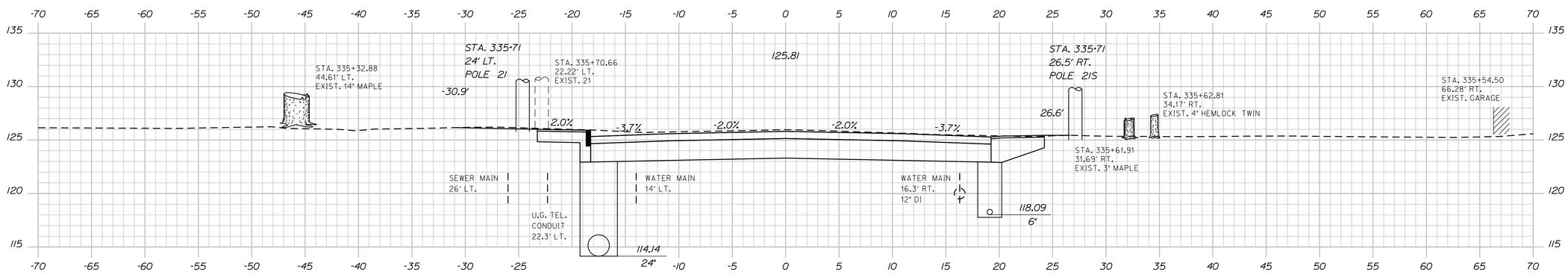
30

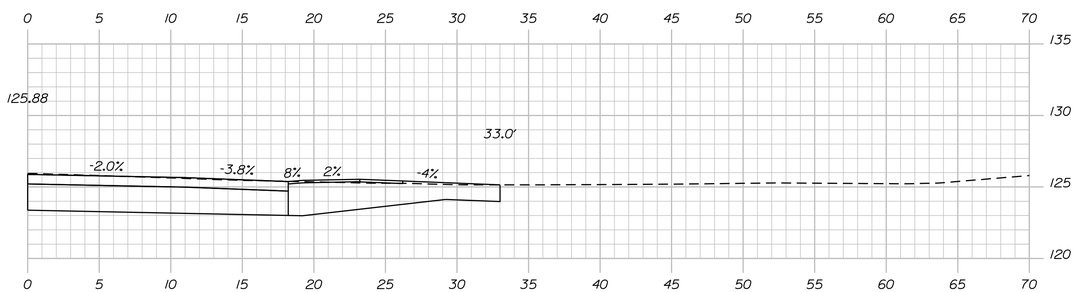
OF 87

Sta. 334+91.00 to Sta. 335+39.00

Filename: ...\MSTA\030_XSECT_334+91_006.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER ----- MAR 2014

DATE -----

MILFORD
US ROUTE 2

CROSS SECTIONS

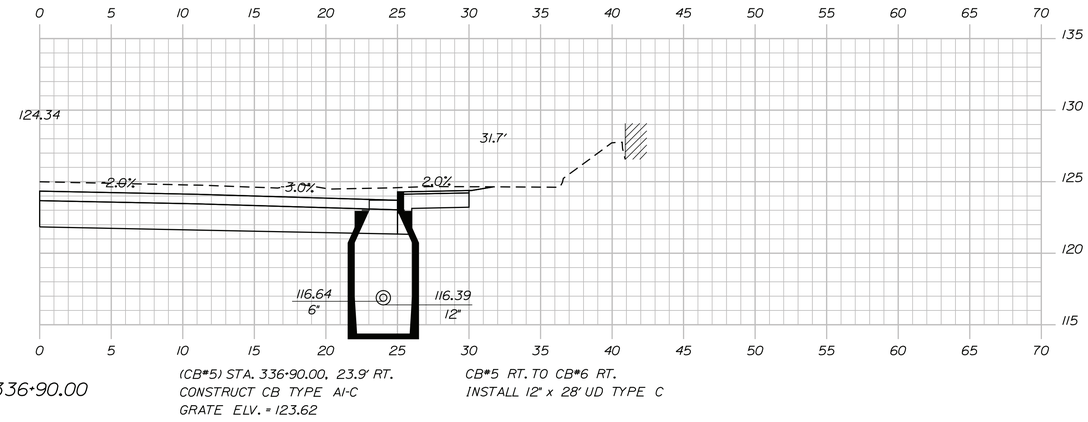
SHEET NUMBER

31

OF 87

Sta. 335+41.00 to Sta. 336+00.00

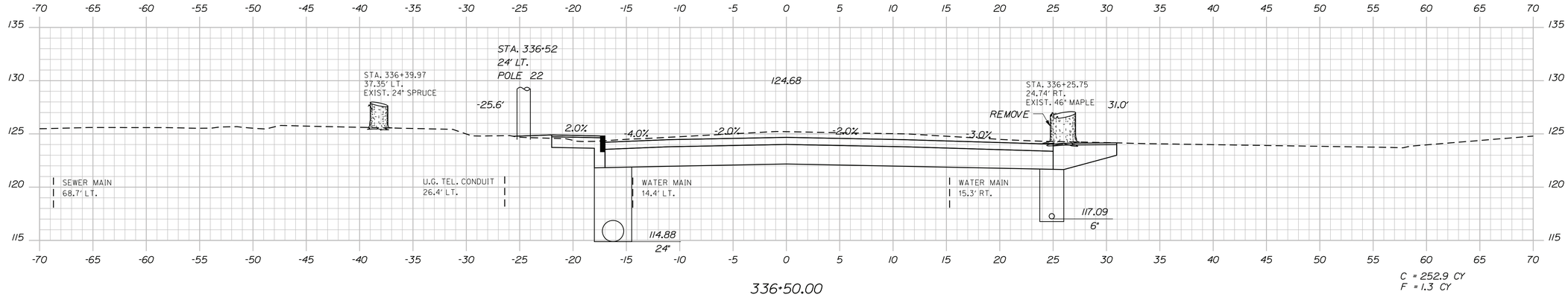
Filename: ...\MSTA\031_XSECT_335+41_007.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



336+90.00

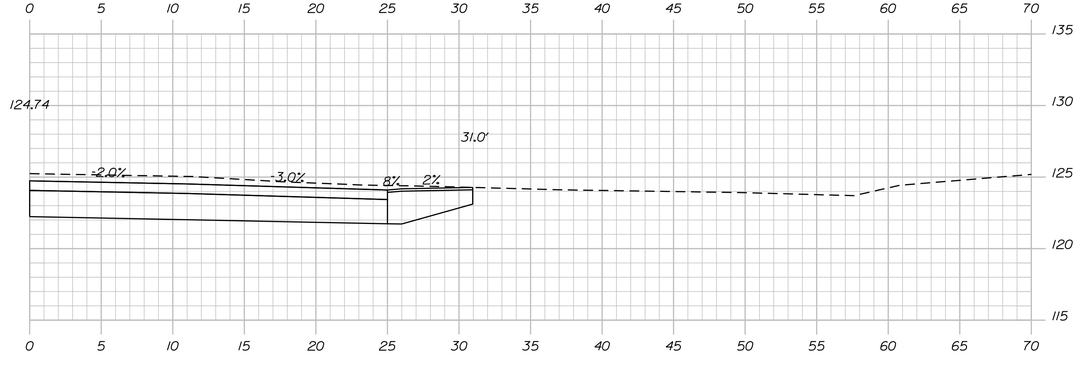
(CB#5) STA. 336+90.00, 23.9' RT.
CONSTRUCT CB TYPE Al-C
GRATE ELV. = 123.62

CB#5 RT. TO CB#6 RT.
INSTALL 12" x 28' UD TYPE C



336+50.00

C = 252.9 CY
F = 1.3 CY



336+45.00

STA. 336+45.00 RT.
CONSTRUCT PAVED DR.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MAR 2014

MILFORD
US ROUTE 2

CROSS SECTIONS

SHEET NUMBER

32

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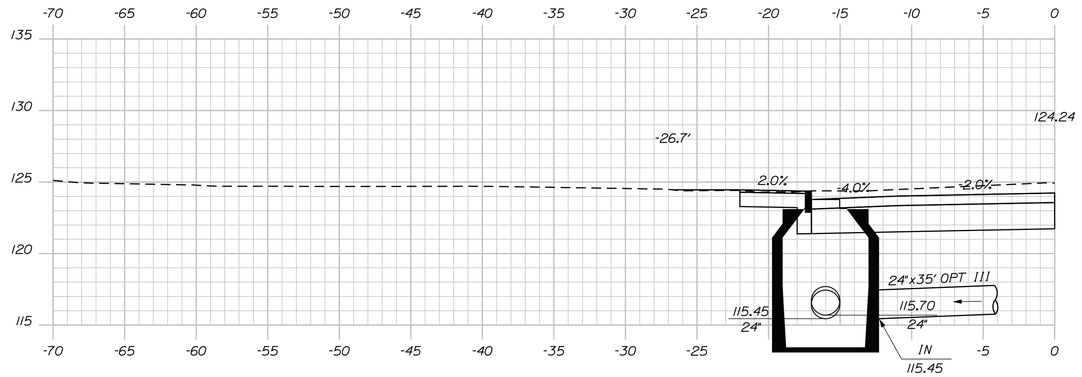
Sta. 336+45.00 to Sta. 336+90.00

Filename: ...\MSTA\032_XSECT_336+45_008.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

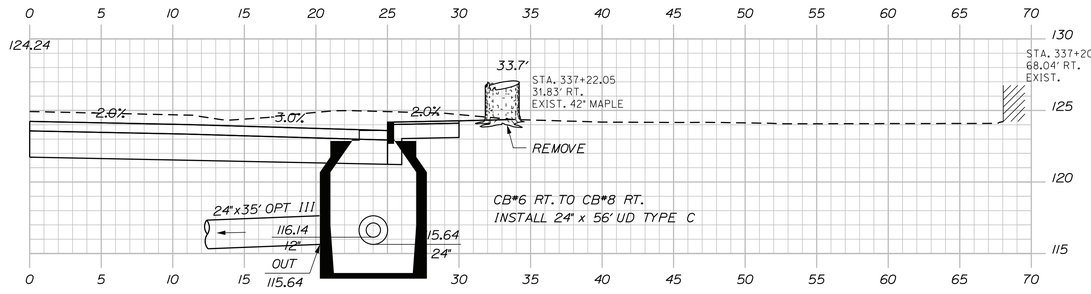
Filename: ...\MSTA\033_XSECT_337+00_009.dgn Username: sterling.paul Division: HIGHWAY Date:12/4/2015



CB*7 LT. TO CB*9 LT.
INSTALL 24" x 69' UD TYPE C

(CB*7) STA. 337+27.00, 15.9' LT.
CONSTRUCT 72" CB TYPE AI-C
GRATE ELV. = 123.70

337+27.00

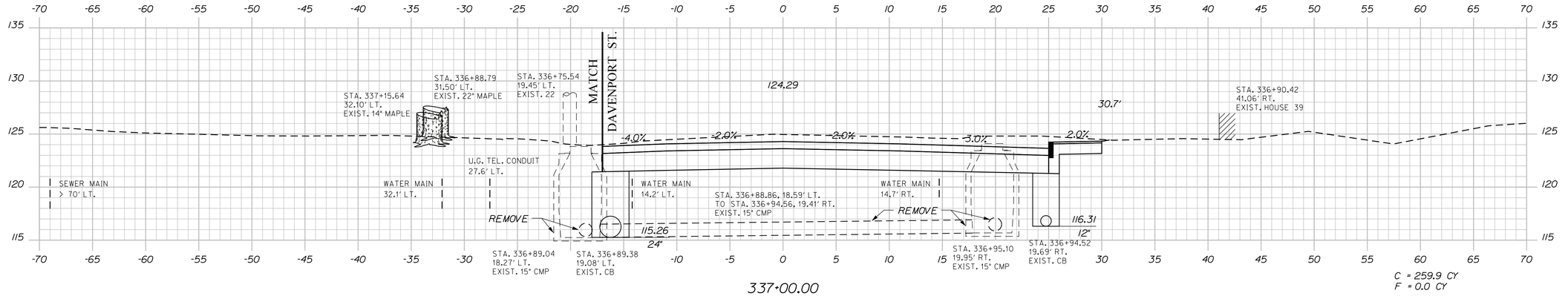


CB*6 RT. TO CB*8 RT.
INSTALL 24" x 56' UD TYPE C

(CB*6) STA. 337+20.00, 23.9' RT.
CONSTRUCT 72" CB TYPE AI-C
GRATE ELV. = 123.52

CB*6 RT. TO CB*7 LT.
INSTALL 24" x 35' CULV. PIPE OPT. III

337+20.00



337+00.00

C = 259.9 CY
F = 0.0 CY

Sta. 337+00.00 to Sta. 337+27.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR. 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

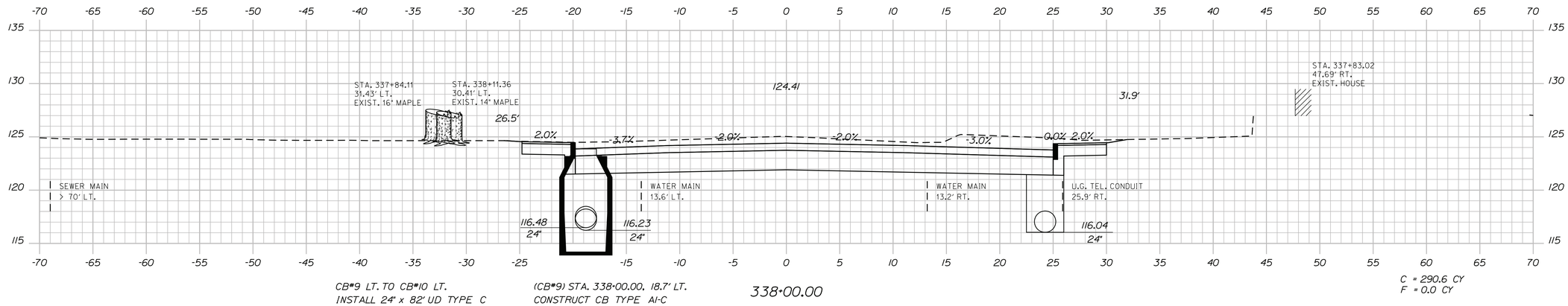
CROSS SECTIONS

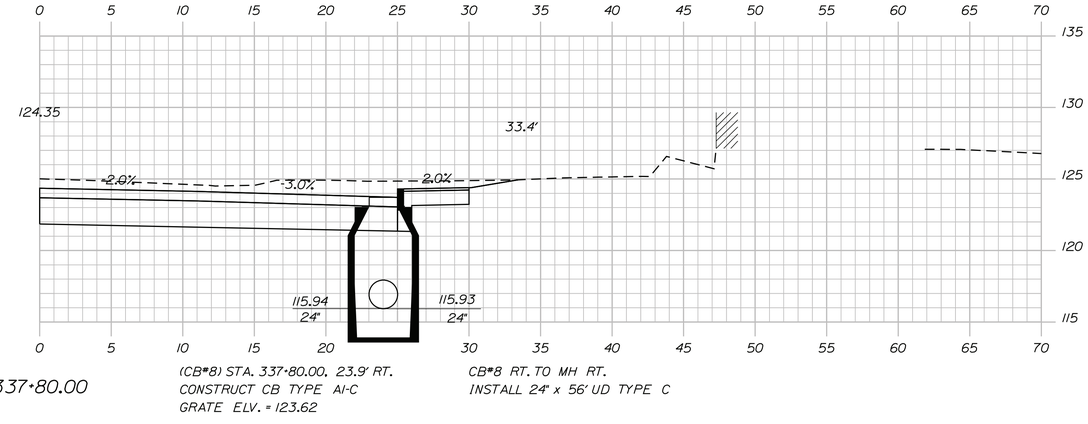
SHEET NUMBER

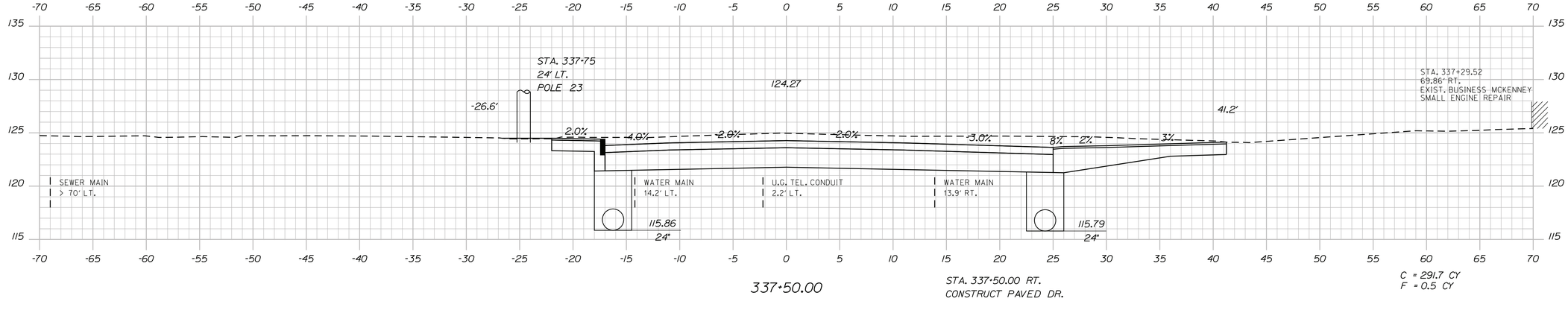
33

OF 87

Filename: ...\MSTA\034_XSECT_337+50_010.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

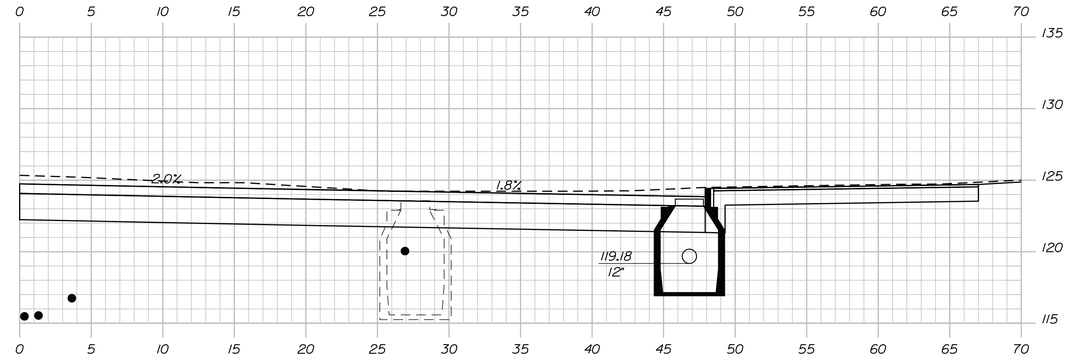
CROSS SECTIONS

SHEET NUMBER

34

OF 87

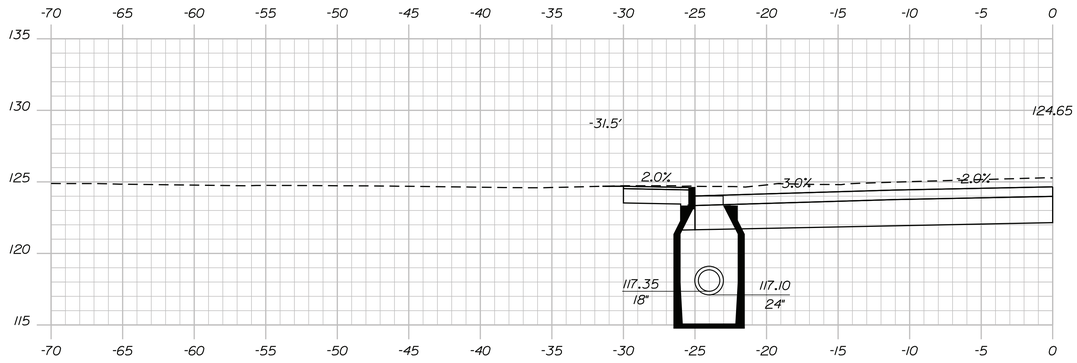
Sta. 337+50.00 to Sta. 338+00.00



338+95.00

CB#11 RT. TO CB#13 RT.
INSTALL 12" x 43' UD TYPE C

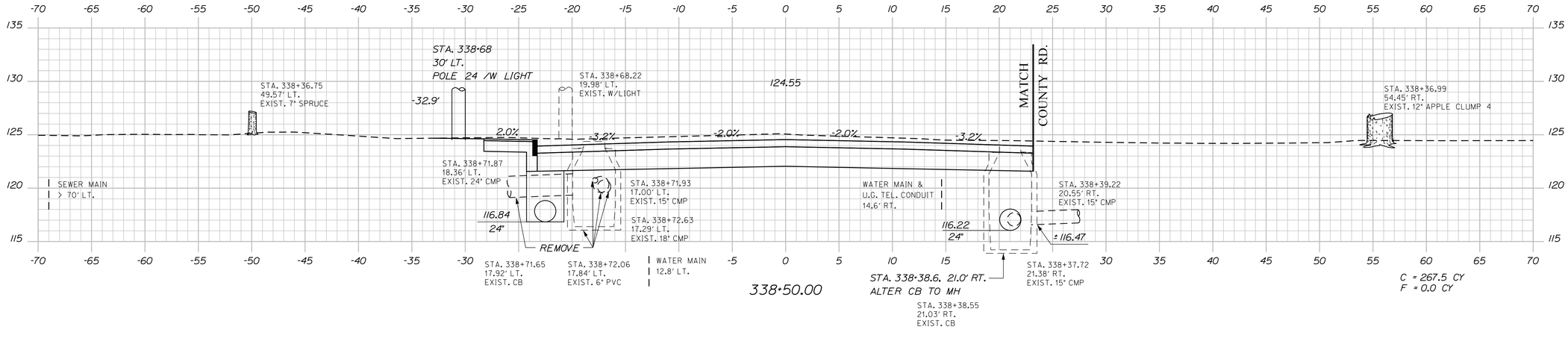
(CB#11) STA. 338+95.00, 46.8' RT.
CONSTRUCT CB TYPE AI-C
GRATE ELV. = 123.68



CB#10 LT. TO CB#12 LT.
INSTALL 18" x 37' UD TYPE C

(CB#10) STA. 338+85.00, 23.9' LT.
CONSTRUCT CB TYPE AI-C
GRATE ELV. = 123.93

338+85.00



338+50.00

PROJ. MANAGER	R. MOULTON	BY
DESIGN-DETAILED	S. PAUL	S. PAUL
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY	DATE
S. PAUL	NOV 2015
	MAR 2014

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

MILFORD
US ROUTE 2

CROSS SECTIONS

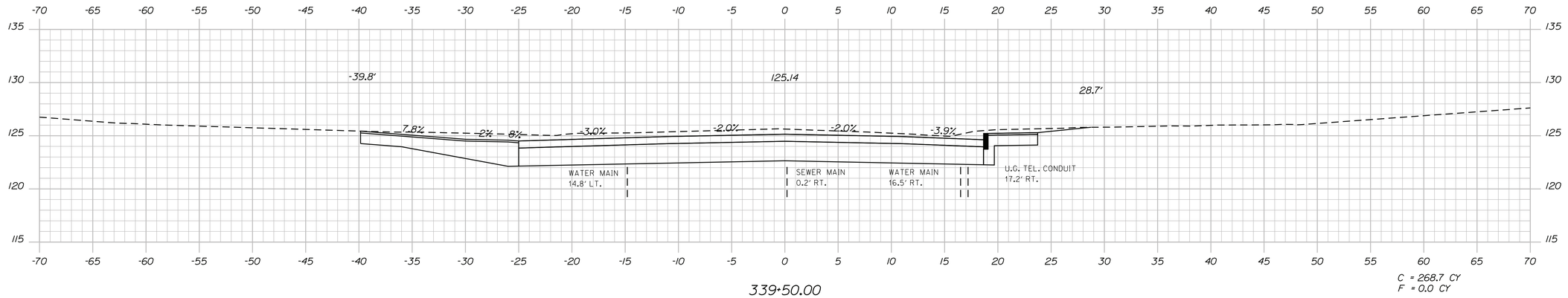
SHEET NUMBER

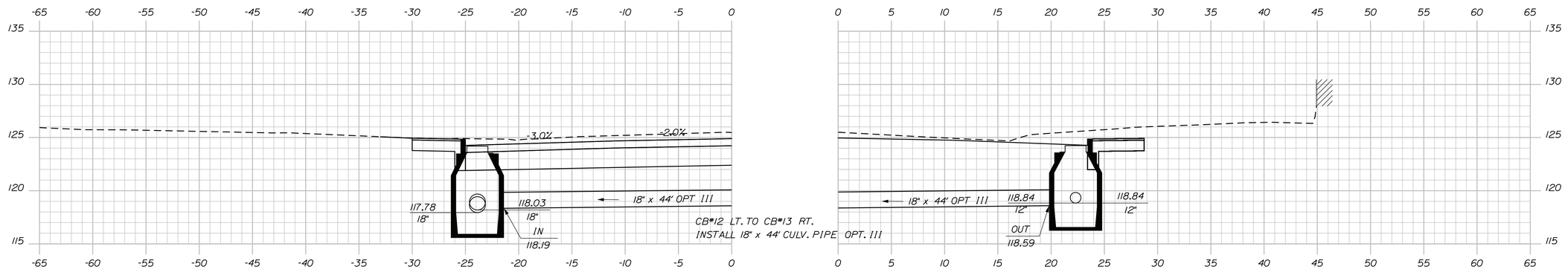
35

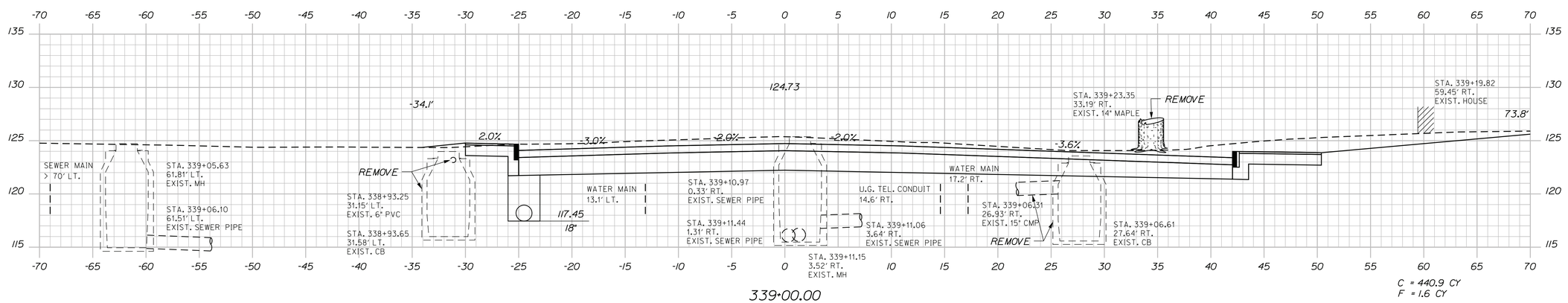
OF 87

Sta. 338+32.00 to Sta. 338+85.00

Filename: ...\MSTA\035_XSECT_338+32_011.dgn Username: sterling.paul Division: HIGHWAY Date:12/4/2015







Sta. 339+00.00 to Sta. 339+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER MAR 2014

DATE

MILFORD
US ROUTE 2

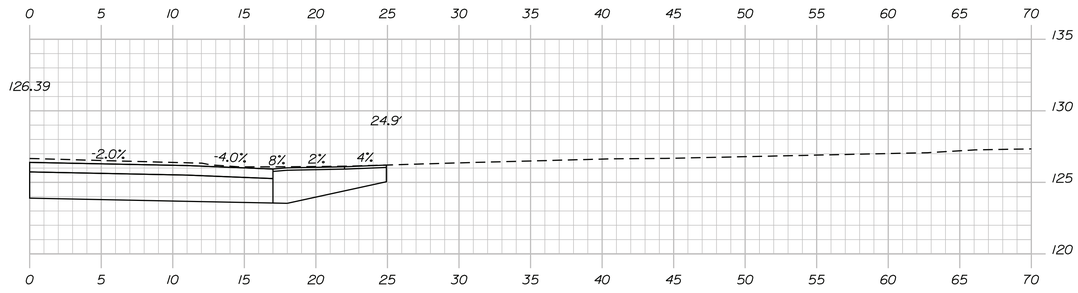
CROSS SECTIONS

SHEET NUMBER

36

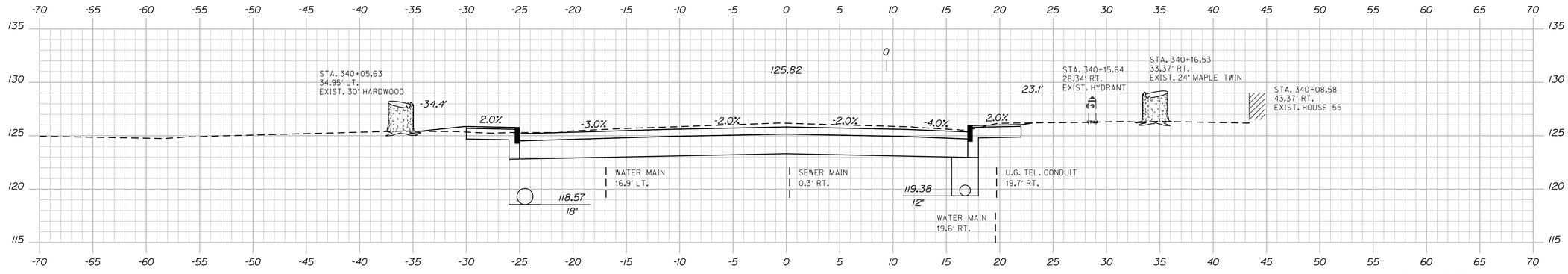
OF 87

Filename: ...\MSTA\036_XSECT_339+00_012.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



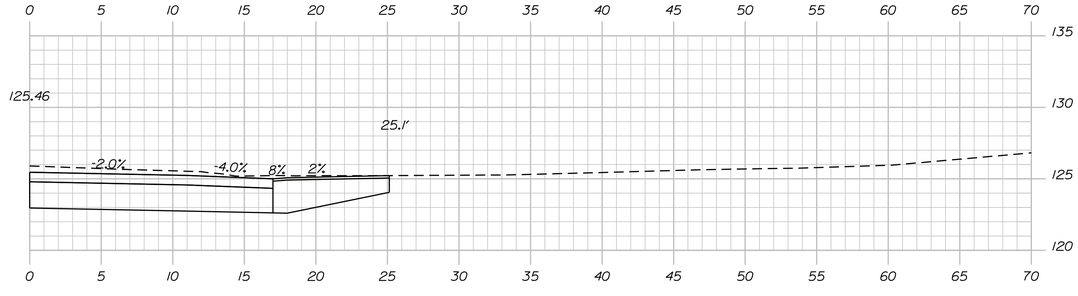
340+32.00

STA. 340+32.00 RT.
CONSTRUCT GRAVEL DR.



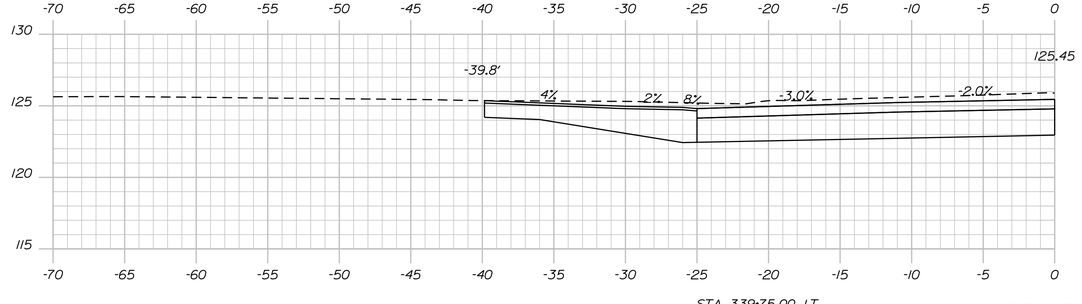
340+00.00

C = 233.8 CY
F = 2.1 CY



339+76.00

STA. 339+76.00 RT.
CONSTRUCT PAVED DR.



STA. 339+75.00 LT.
CONSTRUCT PAVED DR.

339+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MAR 2014

MILFORD
US ROUTE 2

CROSS SECTIONS

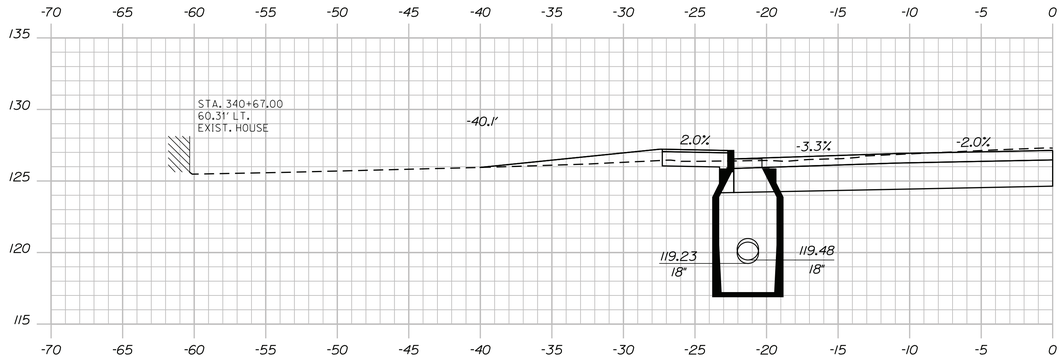
SHEET NUMBER

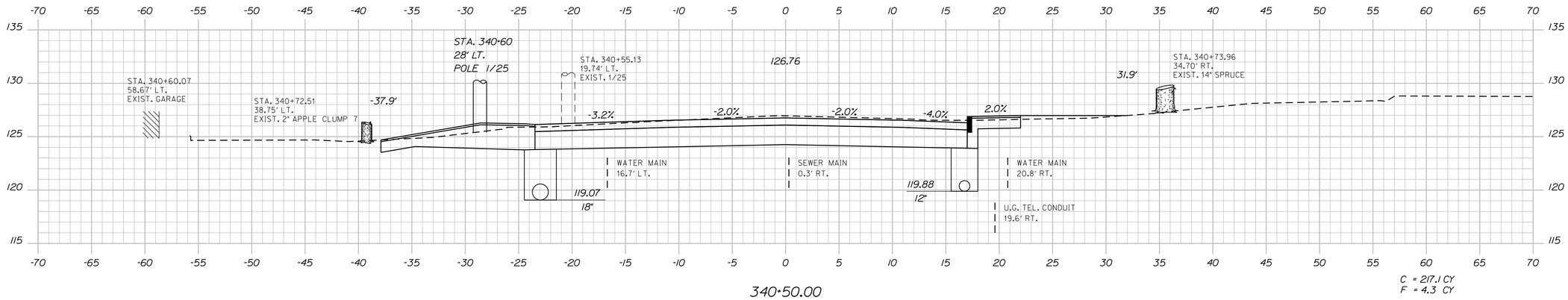
37

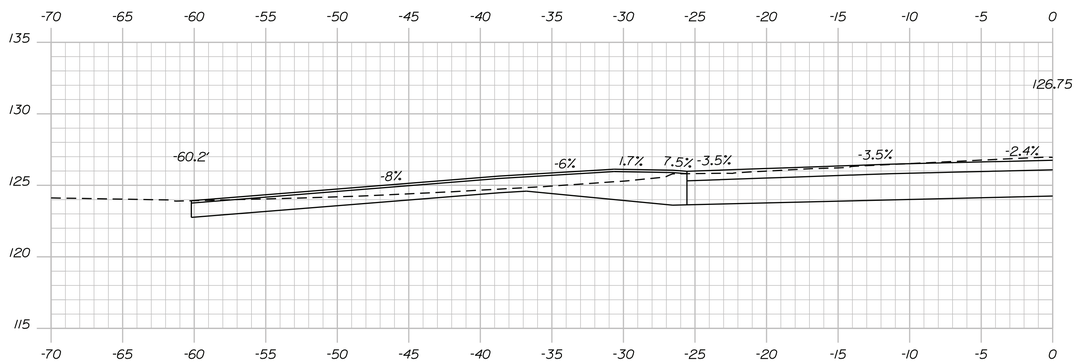
OF 87

Sta. 339+76.00 to Sta. 340+32.00

Filename: ...\MSTA\037_XSECT_339+76_013.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER
MAR 2014

DATE

MILFORD
US ROUTE 2

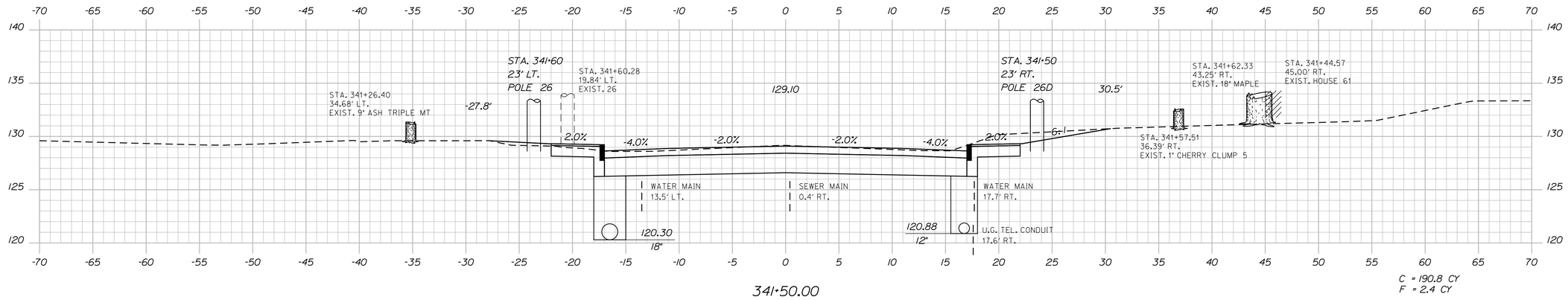
CROSS SECTIONS

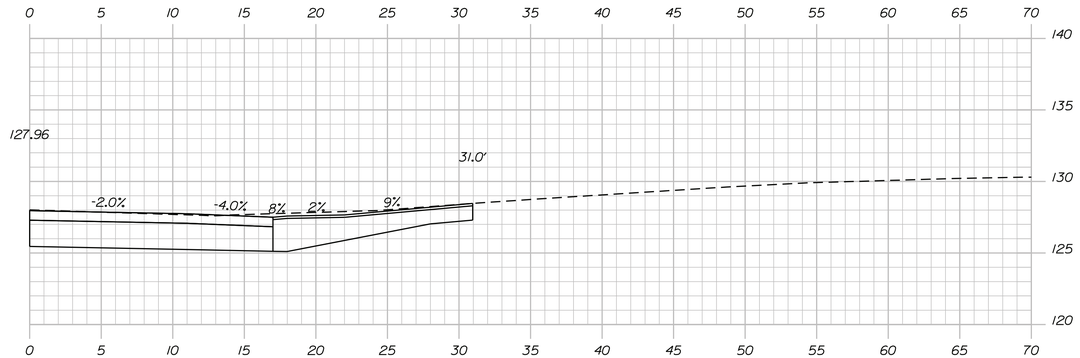
SHEET NUMBER
38
OF 87

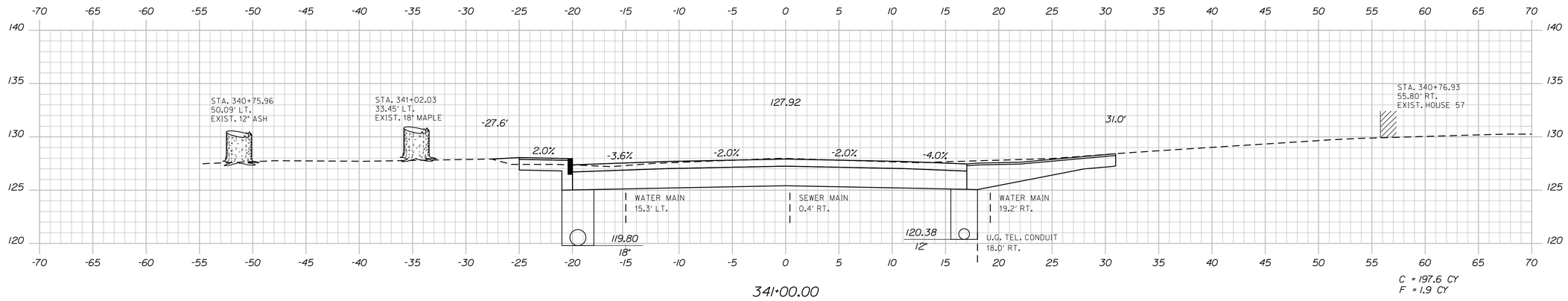
Sta. 340+49.75 to Sta. 340+67.00

Filename: ...\MSTA\038_XSECT_340+49_014.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\MSTA\039_XSECT_341+00_015.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY
DESIGN-DETAILED	S. PAUL	S. PAUL
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

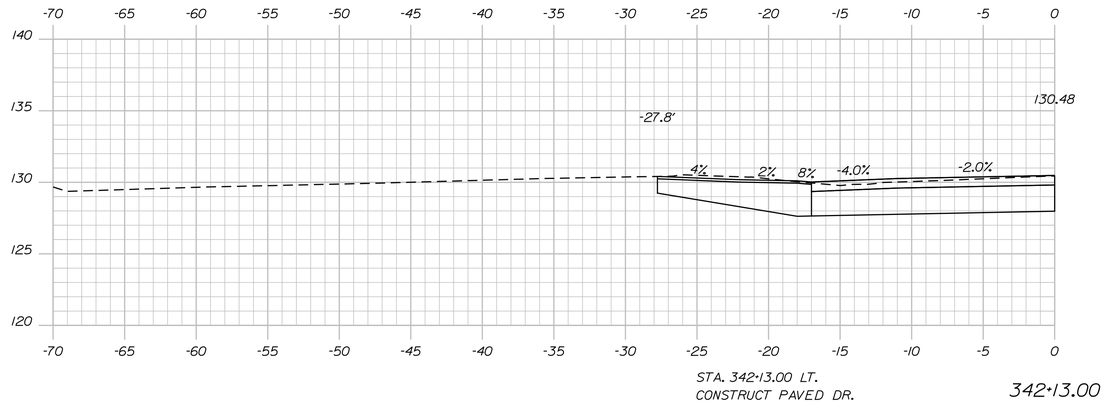
DATE
NOV 2015
SIGNATURE
P.E. NUMBER
DATE

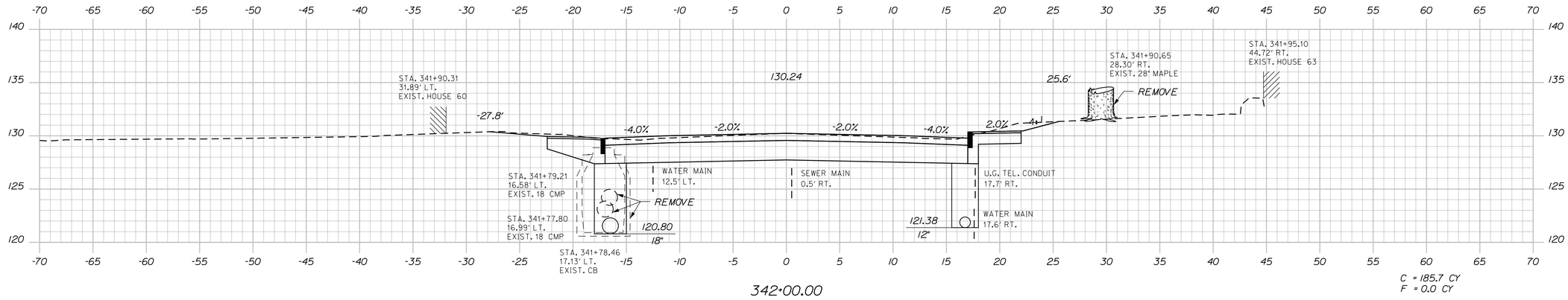
MILFORD
US ROUTE 2

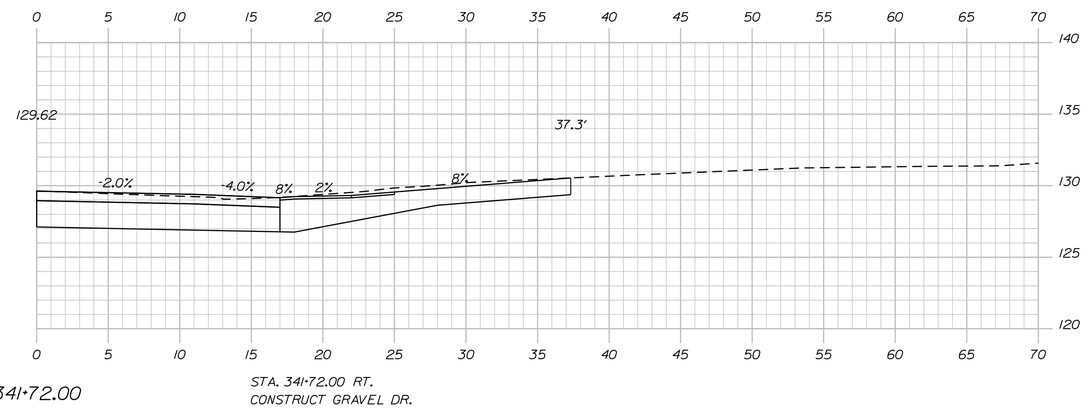
CROSS SECTIONS

SHEET NUMBER
39
OF 87

Sta. 341+00.00 to Sta. 341+50.00







Sta. 341+72.00 to Sta. 342+13.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV. 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		MAR 2014
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

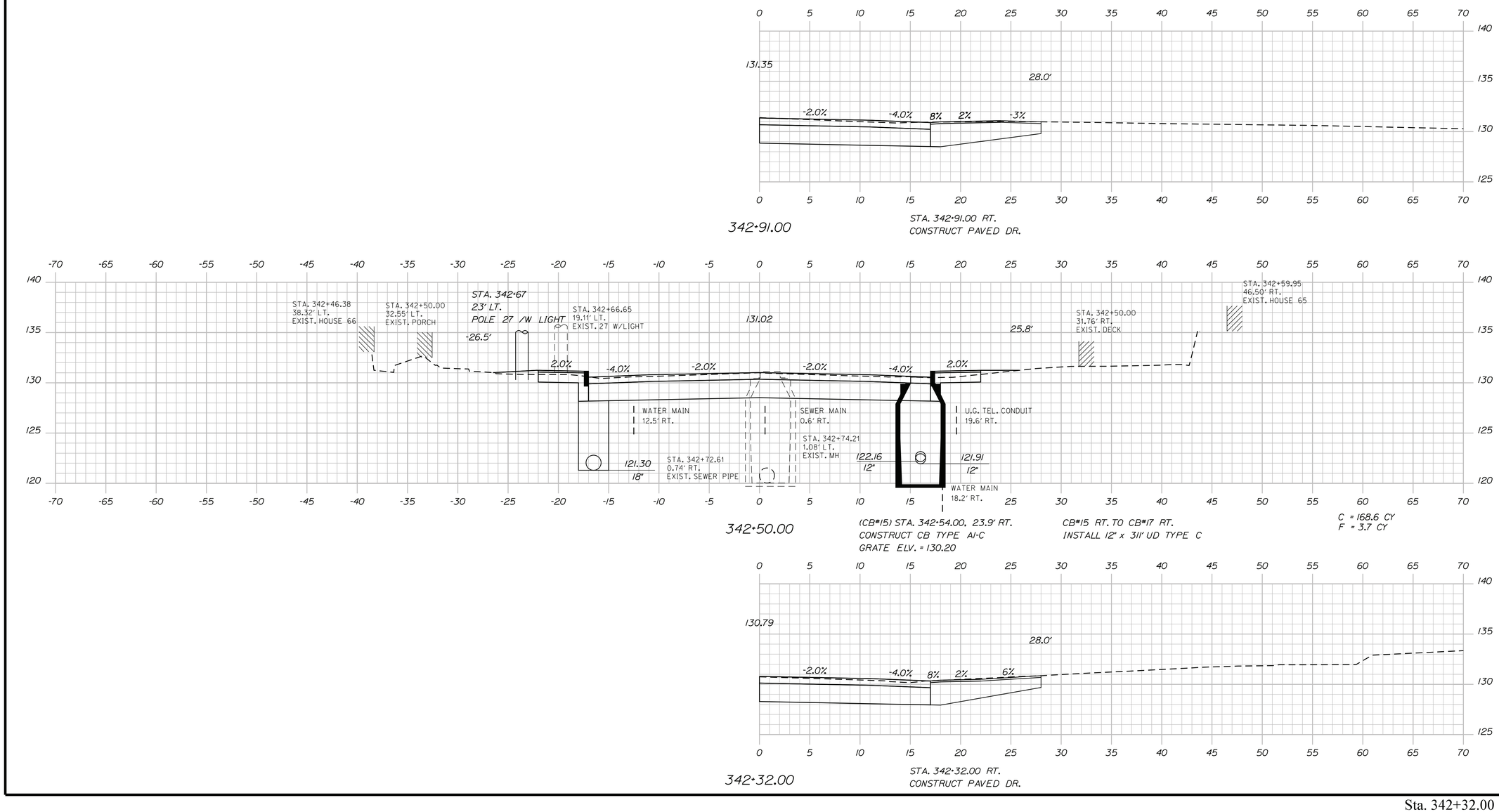
CROSS SECTIONS

SHEET NUMBER

40

OF 87

Filename: ...\MSTA\040_XSECT_341-72_016.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

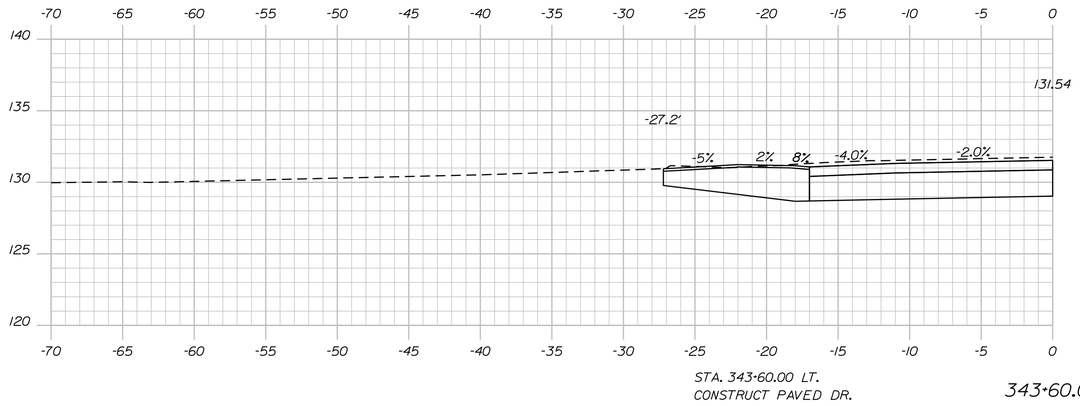
SHEET NUMBER

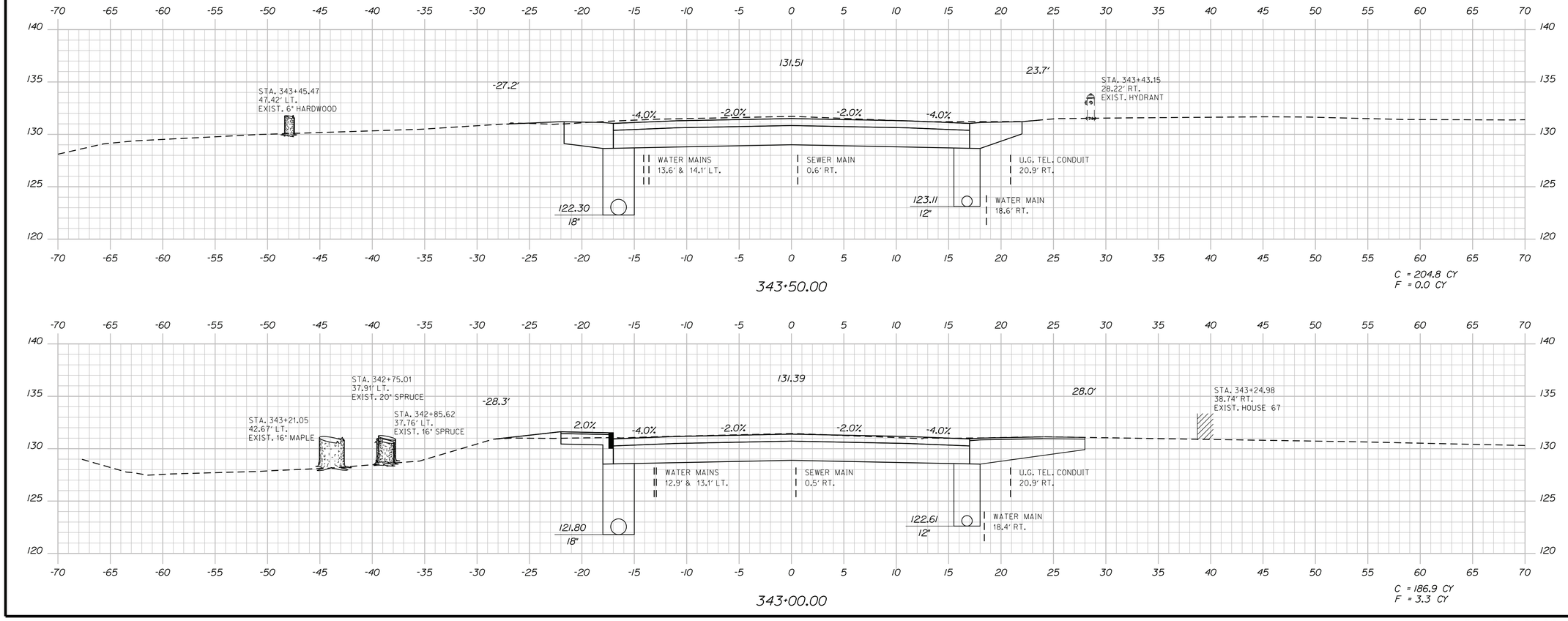
41

OF 87

Filename: ...\MSTA\041_XSECT_342+32_017.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Sta. 342+32.00 to Sta. 342+91.00





Sta. 343+00.00 to Sta. 343+60.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

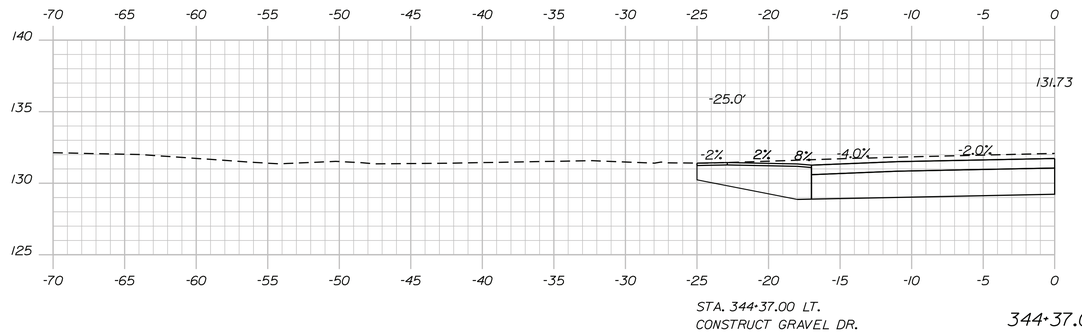
CROSS SECTIONS

SHEET NUMBER

42

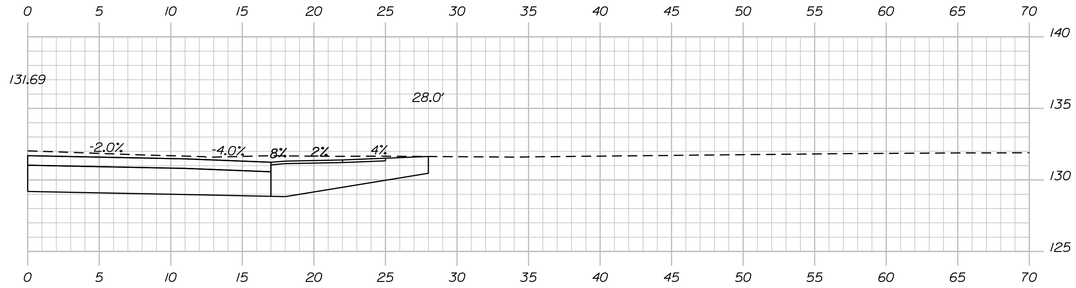
OF 87

Filename: ...\MSTA\042_XSECT_343+00_018.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



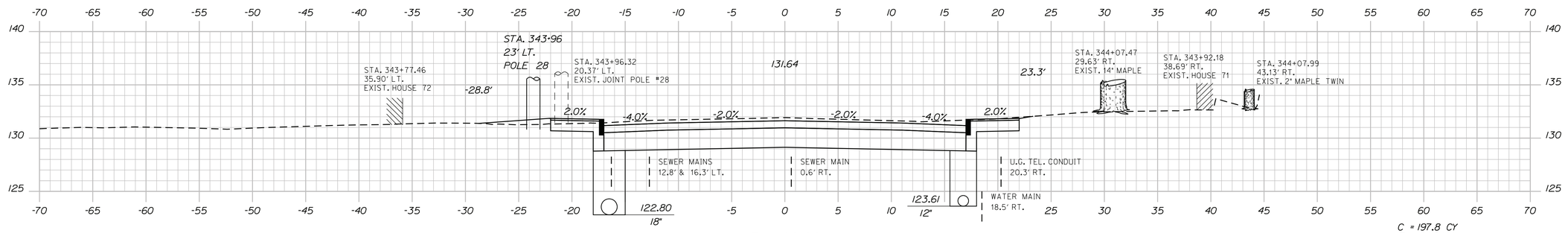
STA. 344+37.00 LT.
CONSTRUCT GRAVEL DR.

344+37.00

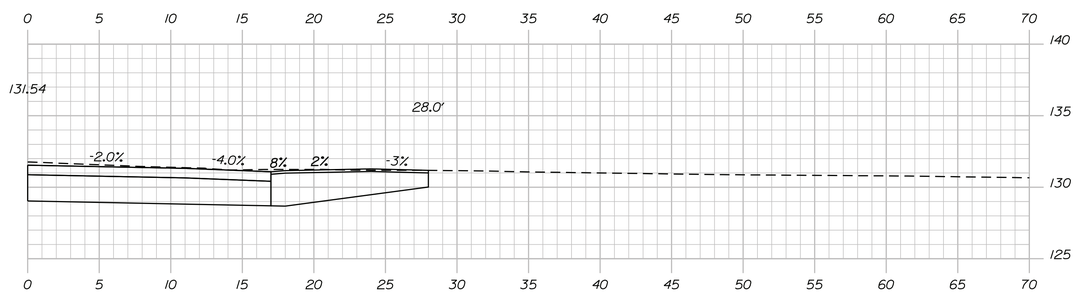


344+23.00

STA. 344+23.00 RT.
CONSTRUCT GRAVEL DR.



344+00.00



343+61.00

STA. 343+61.00 RT.
CONSTRUCT PAVED DR.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

SHEET NUMBER

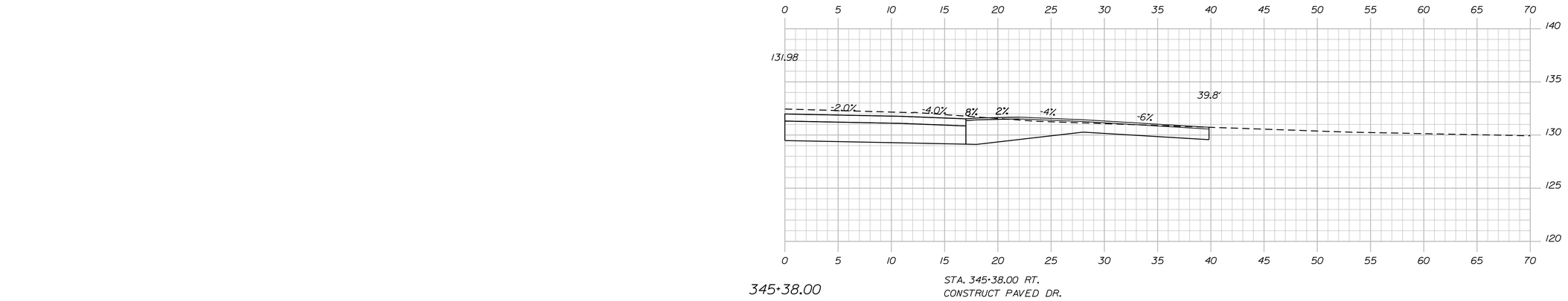
43

OF 87

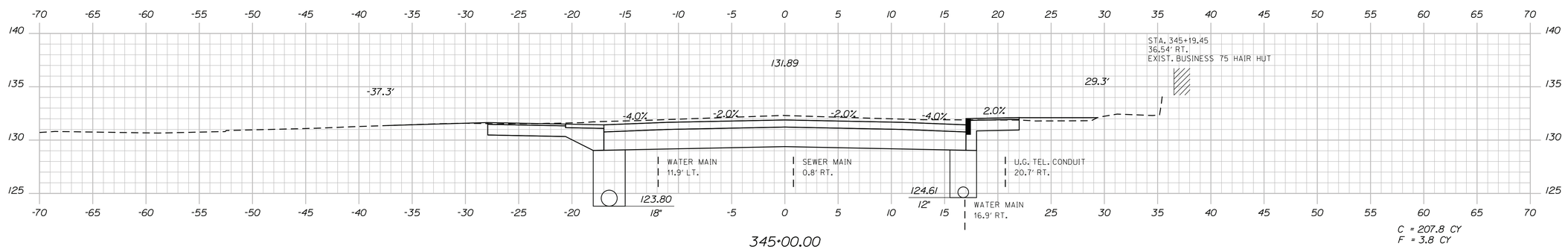
Sta. 343+61.00 to Sta. 344+37.00

Filename: ...\MSTA\043_XSECT_343+61_019.dgn Division: HIGHWAY Date:12/4/2015

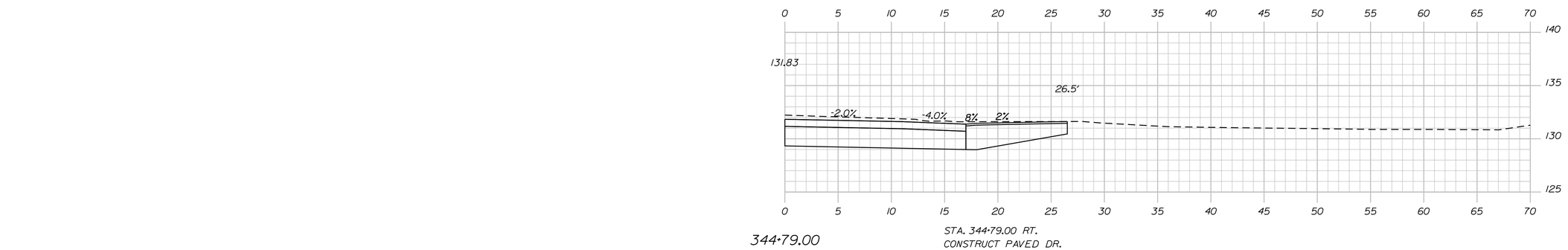
Username: sterling.paul



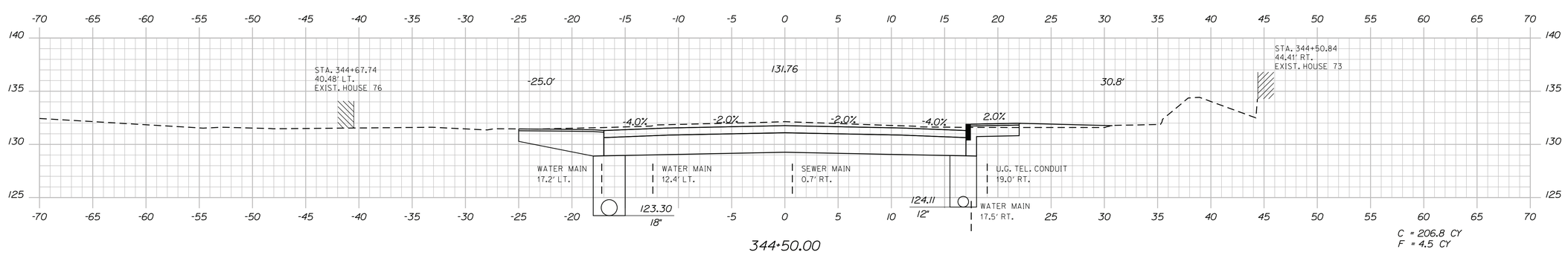
345+38.00



345+00.00



344+79.00



344+50.00

Sta. 344+50.00 to Sta. 345+38.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

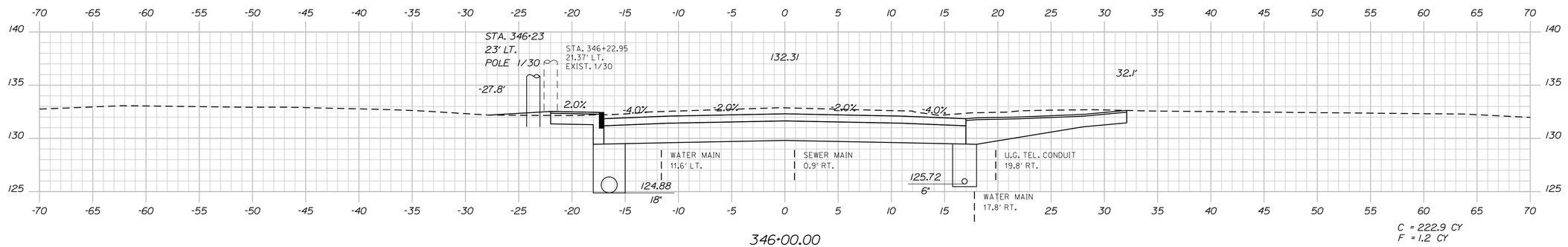
CROSS SECTIONS

SHEET NUMBER

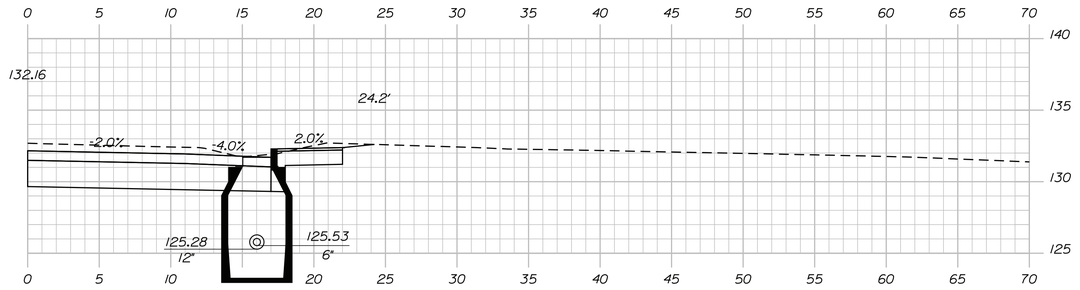
44

OF 87

Filename: ...\MSTA\044_XSECT_344+50_020.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



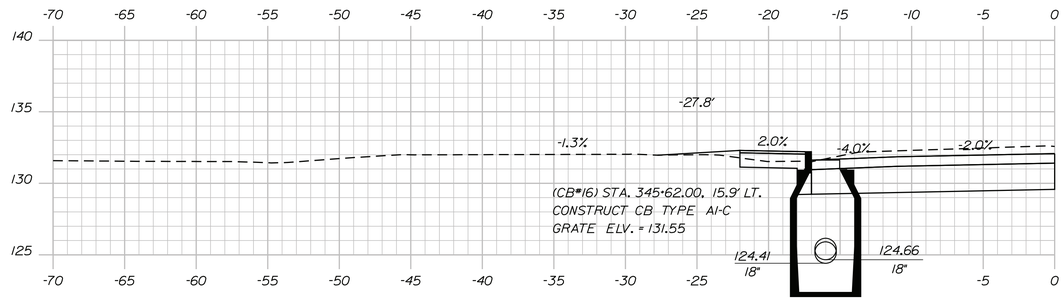
346+00.00



345+68.00

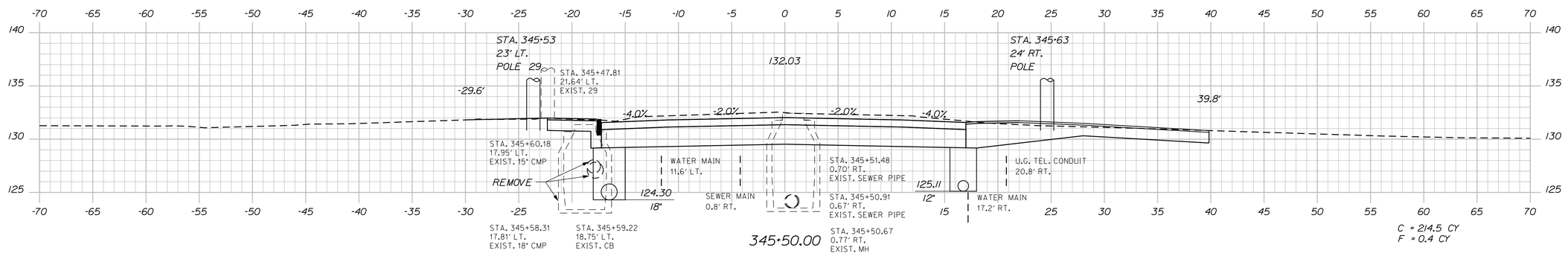
(CB#17) STA. 345+68.00, 23.9' RT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 131.26

CB#17 RT.
TO STA. 348+25.00, 15.9' RT. (ELEV= 128.77)
INSTALL 6" x 255' UD TYPE B



CB#16 LT. TO CB#18 LT.
INSTALL 18" x 255' UD TYPE C

345+62.00



345+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2	------	
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	
REVISIONS 2	------	
REVISIONS 3	------	
REVISIONS 4	------	
FIELD CHANGES	------	

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

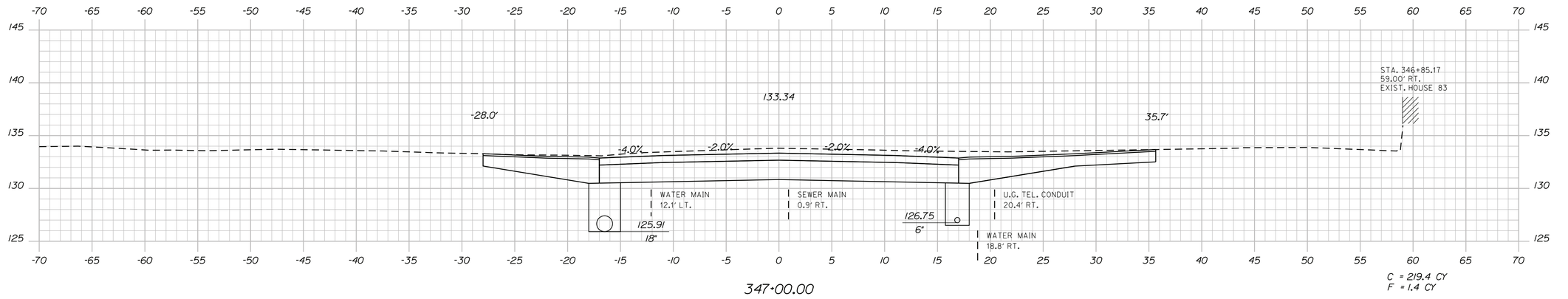
SHEET NUMBER

45

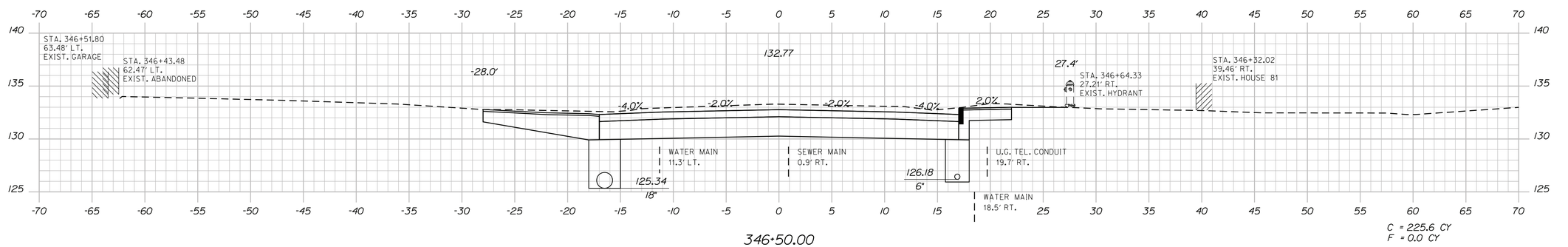
OF 87

Sta. 345+50.00 to Sta. 346+00.00

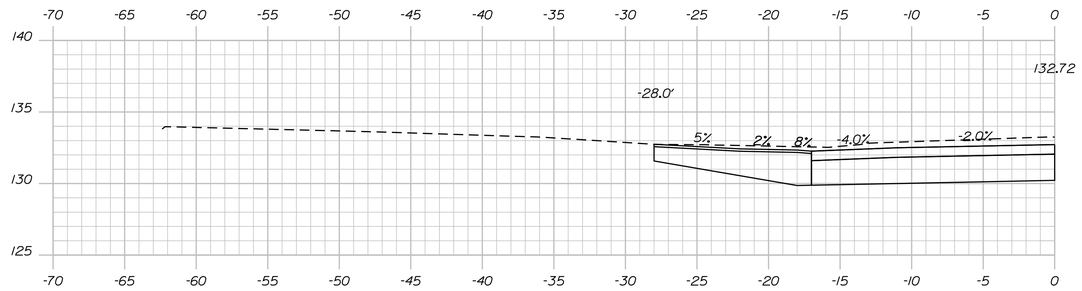
Filename: ...\MSTA\045_XSECT_345+50_021.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



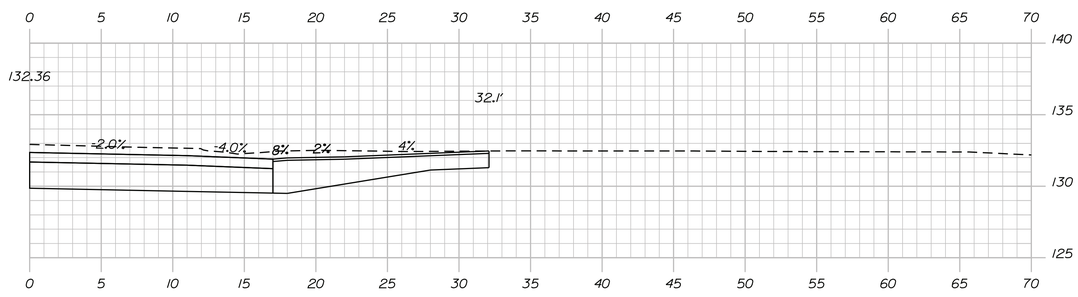
347+00.00



346+50.00



346+46.00



346+06.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	----	----
DESIGN2-DETAILED2	----	----	----
DESIGN3-DETAILED3	----	----	MAR 2014
REVISIONS 1	----	----	----
REVISIONS 2	----	----	----
REVISIONS 3	----	----	----
REVISIONS 4	----	----	----
FIELD CHANGES	----	----	----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

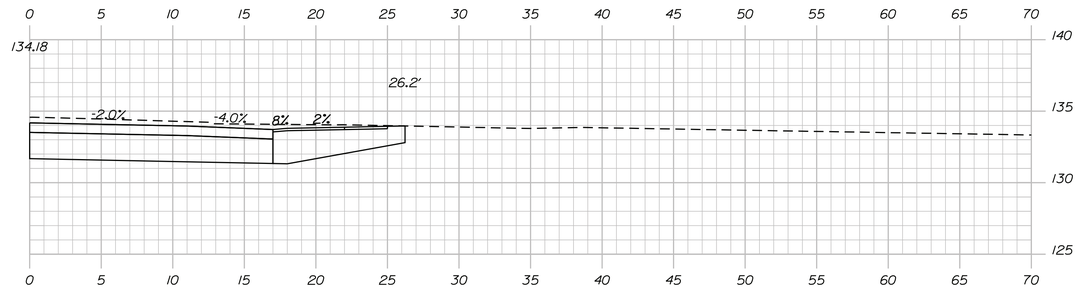
SHEET NUMBER

46

OF 87

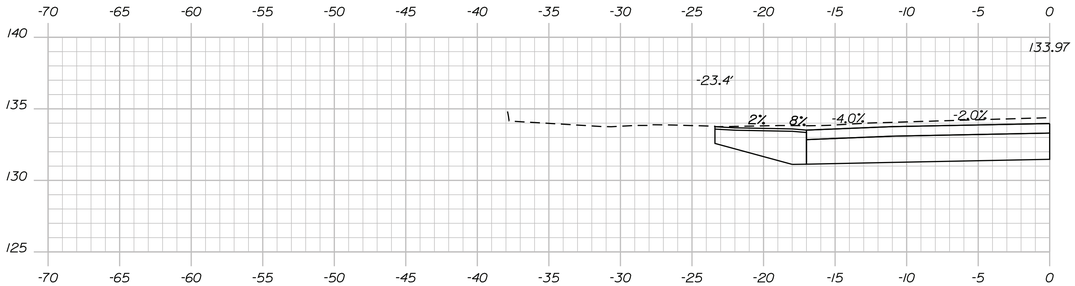
Sta. 346+06.00 to Sta. 347+00.00

Filename: ...\MSTA\046_XSECT_346+06_022.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



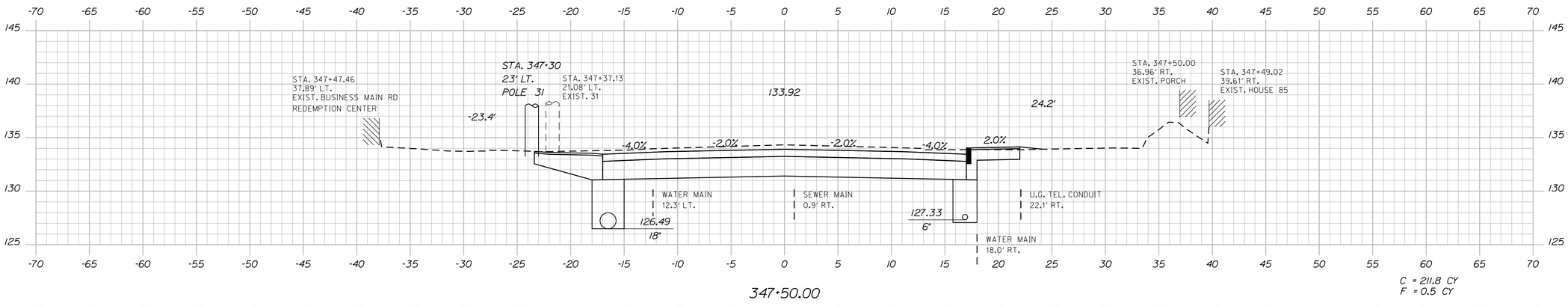
347+73.00

STA. 347+73.00 RT.
CONSTRUCT GRAVEL DR.



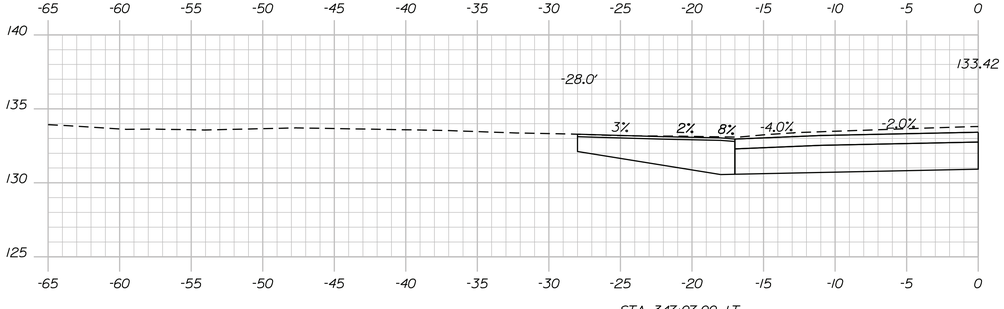
STA. 347+55.00 LT.
CONSTRUCT PAVED DR.

347+55.00



347+50.00

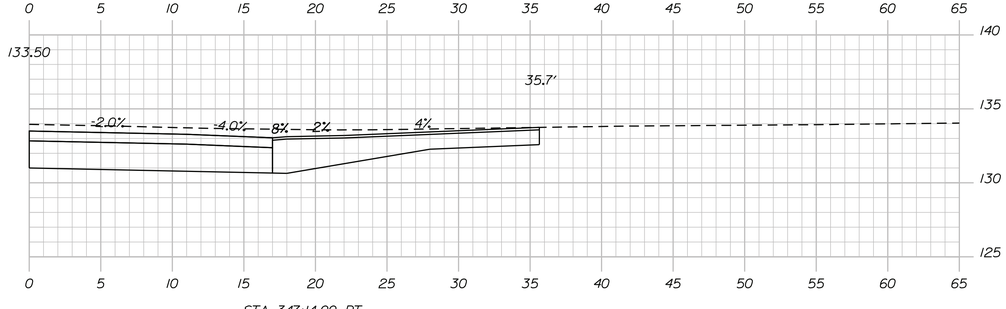
C = 211.8 CY
F = 0.5 CY



STA. 347+07.00 LT.
CONSTRUCT PAVED ENT.

347+07.00

347+14.00



STA. 347+14.00 RT.
CONSTRUCT PAVED DR.

Sta. 347+14.00 to Sta. 347+73.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	BY
CHECKED-REVIEWED	S. PAUL	NOV 2015
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

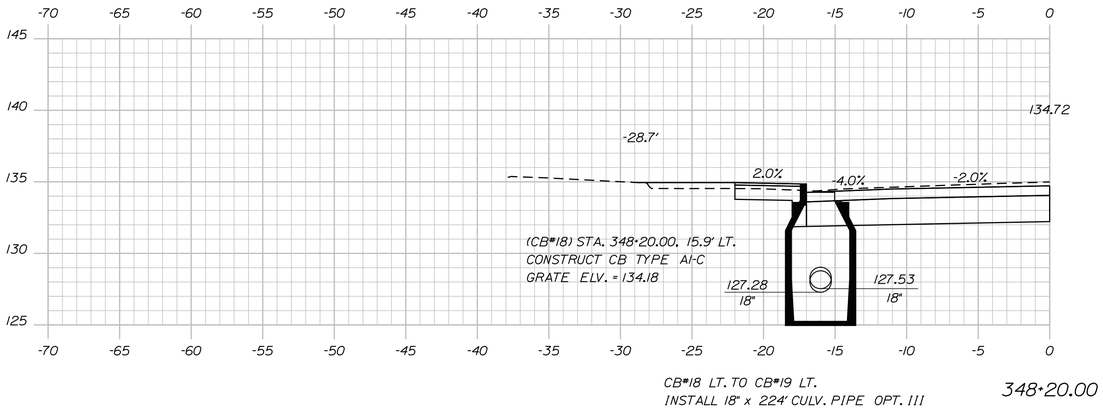
CROSS SECTIONS

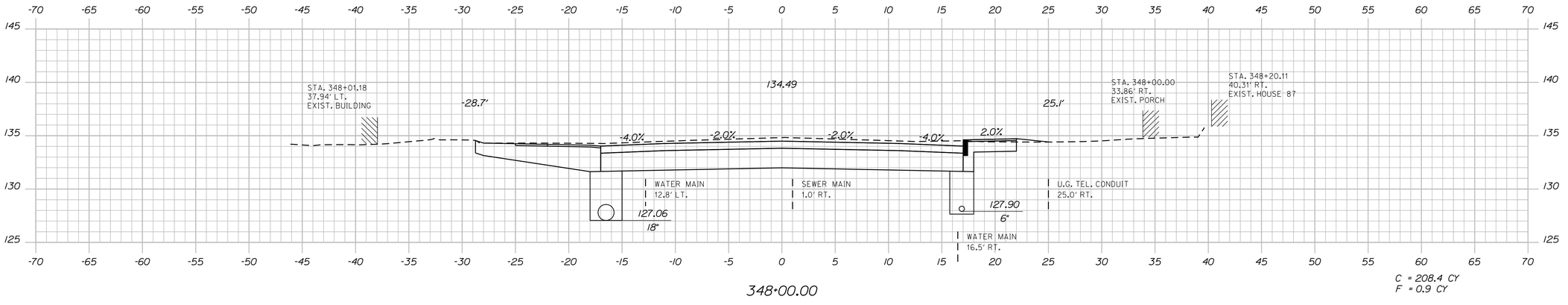
SHEET NUMBER

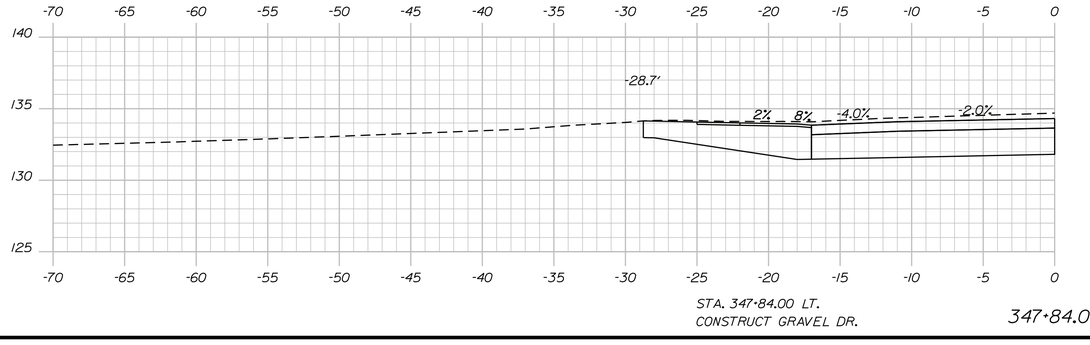
47

OF 87

Filename: ...\MSTA\047_XSECT_347+07_023.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

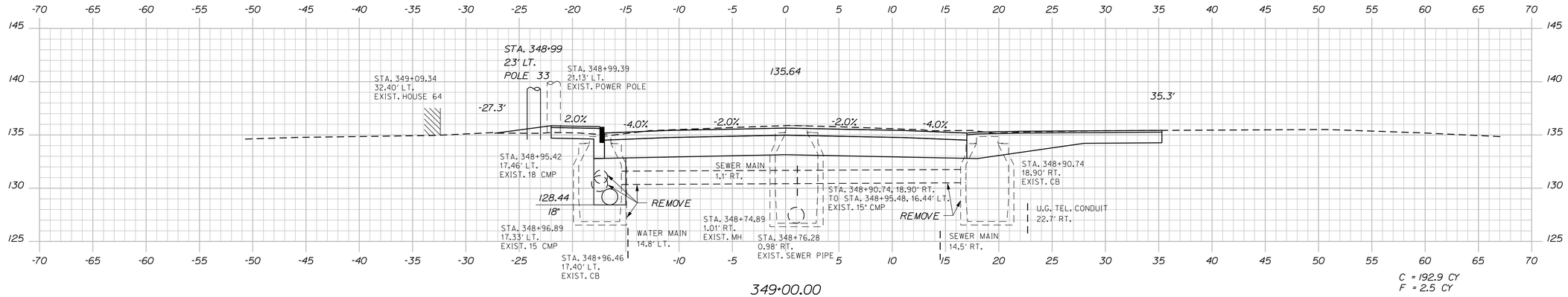
SHEET NUMBER

48

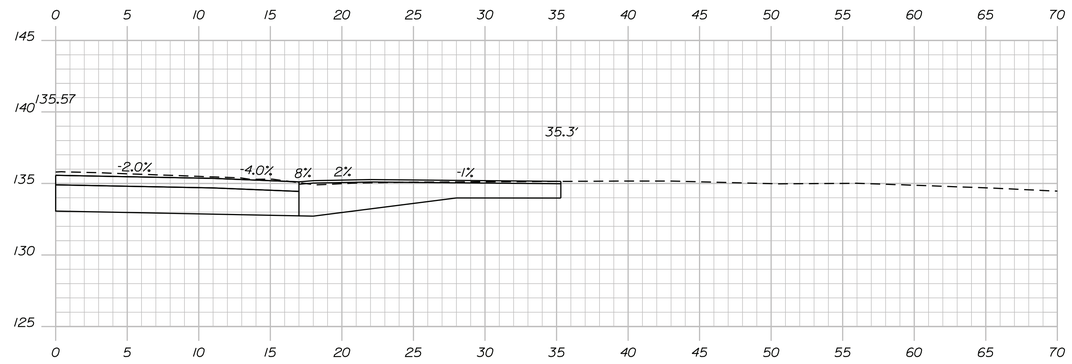
OF 87

Sta. 347+84.00 to Sta. 348+20.00

Filename: ...\MSTA\048_XSECT_347+84_024.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

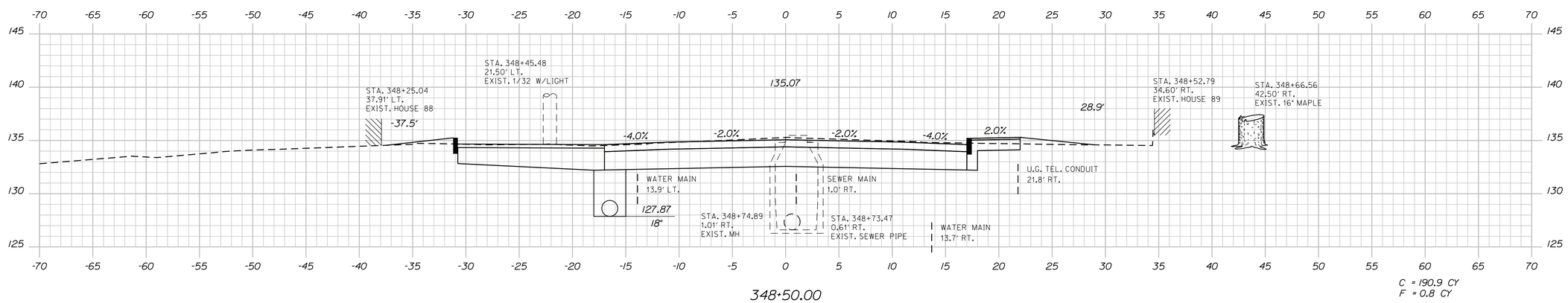


349+00.00



348+94.00

STA. 348+94.00 RT.
CONSTRUCT PAVED DR.



348+50.00

Sta. 348+50.00 to Sta. 349+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	MAR 2014
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

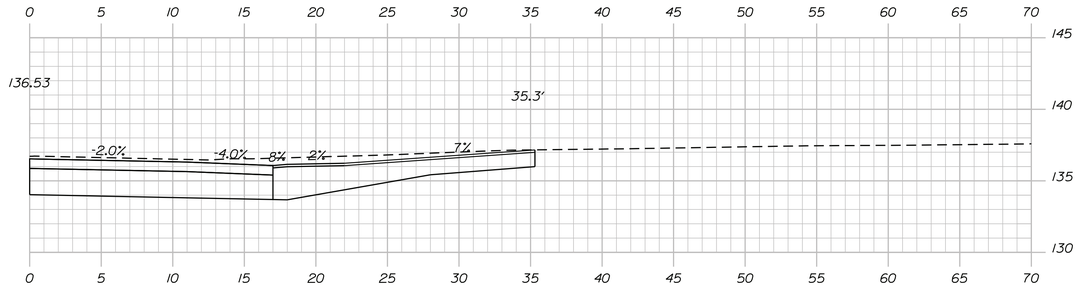
SHEET NUMBER

49

OF 87

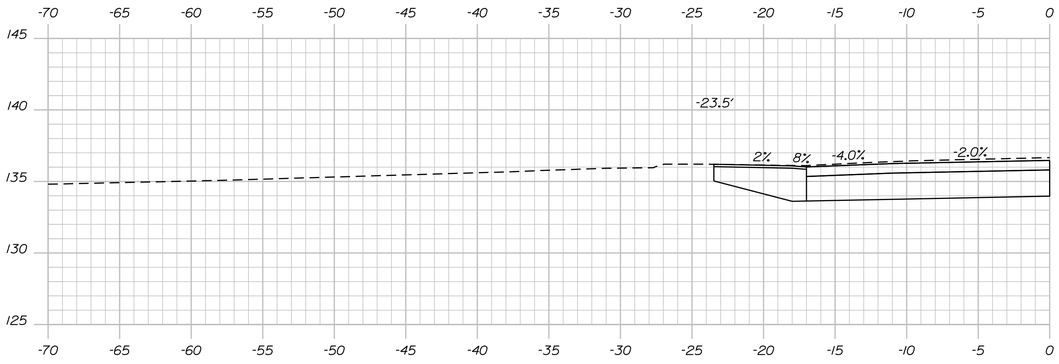
Filename: ...\MSTA\049_XSECT_348+50_025.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\MSTA\050_XSECT_349+50_026.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



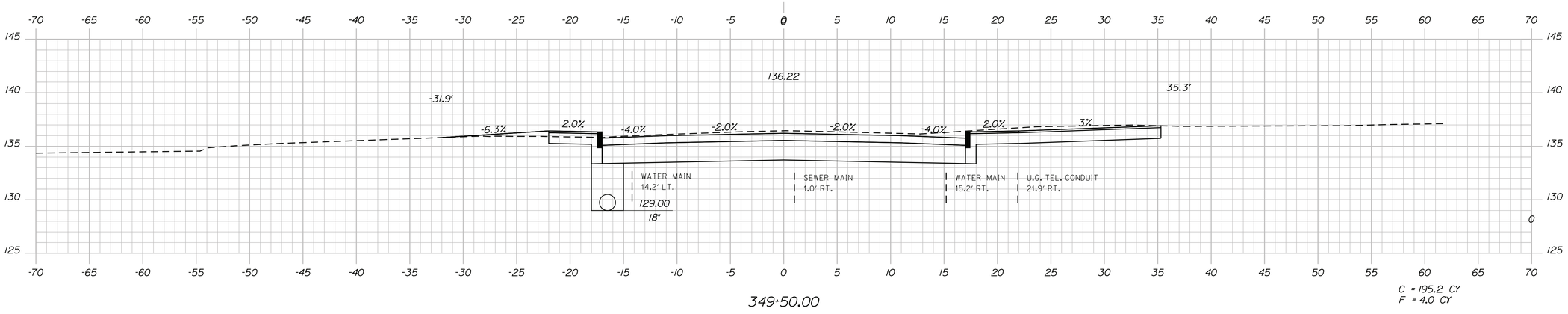
349+77.00

STA. 349+77.00 RT.
CONSTRUCT PAVED ENT.



STA. 349+72.00 LT.
CONSTRUCT PAVED DR.

349+72.00



349+50.00

C = 195.2 CY
F = 4.0 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL		
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

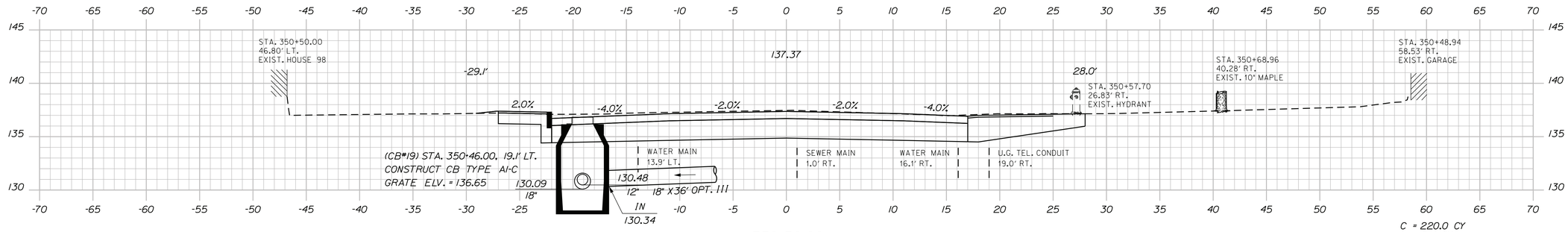
CROSS SECTIONS

SHEET NUMBER

50

OF 87

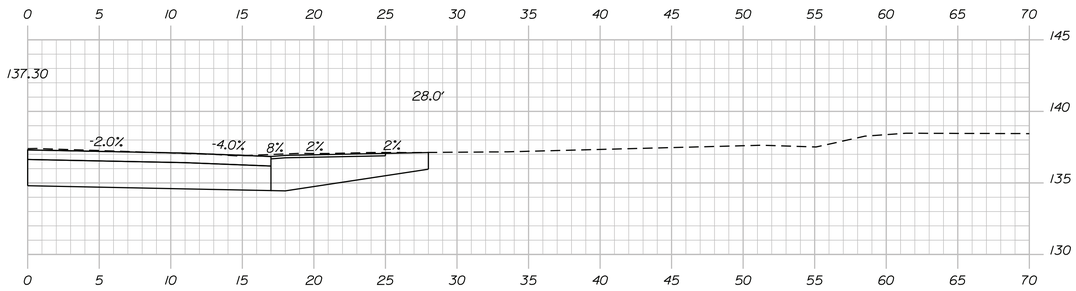
Sta. 349+50.00 to Sta. 349+77.00



CB#19 LT. TO CB#21 LT.
INSTALL 12" x 344' UD TYPE C

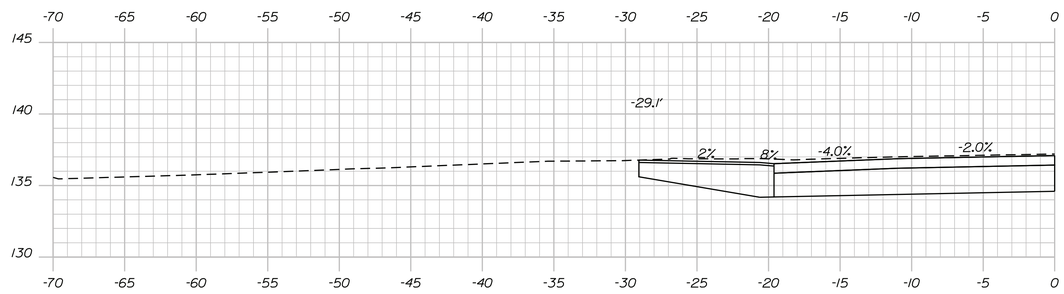
CB#19 LT. TO CB#20 RT.
INSTALL 18" x 36' CULV. PIPE OPT. III

350+50.00



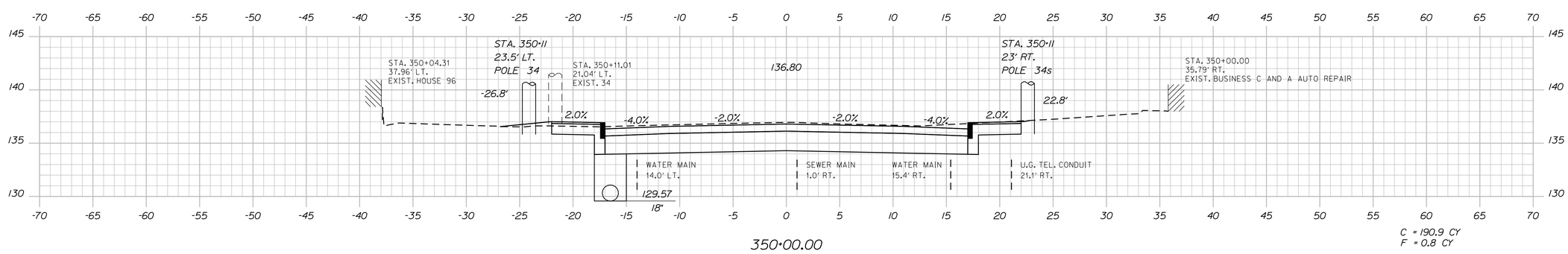
350+44.00

STA. 350+44.00 RT.
CONSTRUCT GRAVEL DR.



STA. 350+26.00 LT.
CONSTRUCT PAVED DR.

350+26.00



350+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	MAR 2014
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

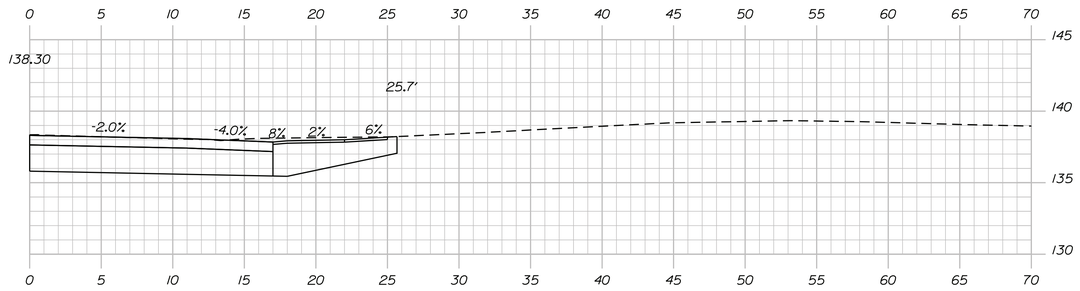
SHEET NUMBER

51

OF 87

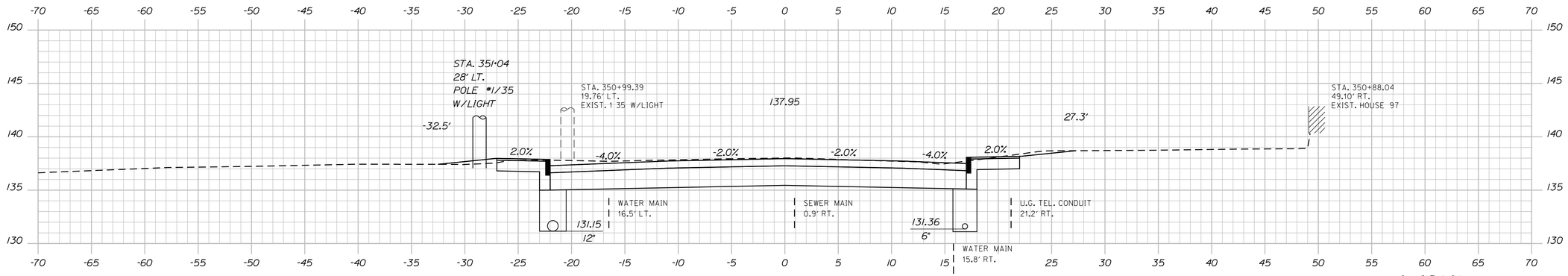
Sta. 350+00.00 to Sta. 350+50.00

Filename: ...\MSTA\051_XSECT_350+00_027.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



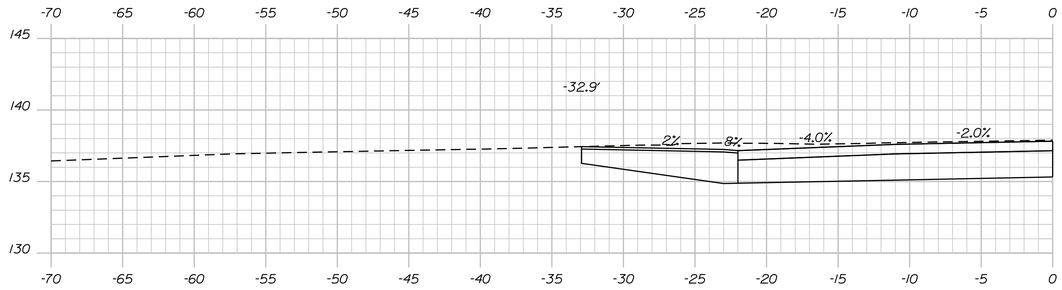
351+31.00

STA. 351+31.00 RT.
CONSTRUCT GRAVEL DR.



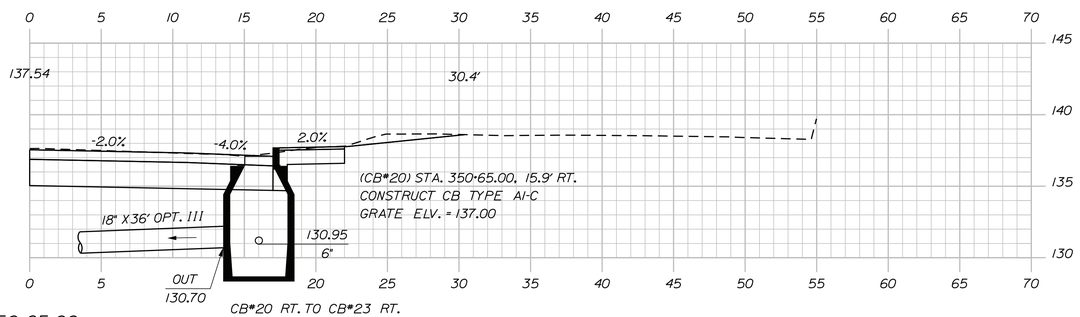
351+00.00

C = 213.4 CY
F = 2.6 CY



STA. 350+89.00 LT.
CONSTRUCT PAVED DR.

350+89.00



CB*20 RT. TO CB*23 RT.
INSTALL 6" x 1280' UD TYPE B

350+65.00

Sta. 350+65.00 to Sta. 351+31.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	BY	S. PAUL
CHECKED-REVIEWED	S. PAUL	DATE	NOV 2015
DESIGN2-DETAILED2	------	SIGNATURE	------
DESIGN3-DETAILED3	------		------
REVISIONS 1	------	P.E. NUMBER	MAR 2014
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------	DATE	------
FIELD CHANGES	------		------

MILFORD
US ROUTE 2

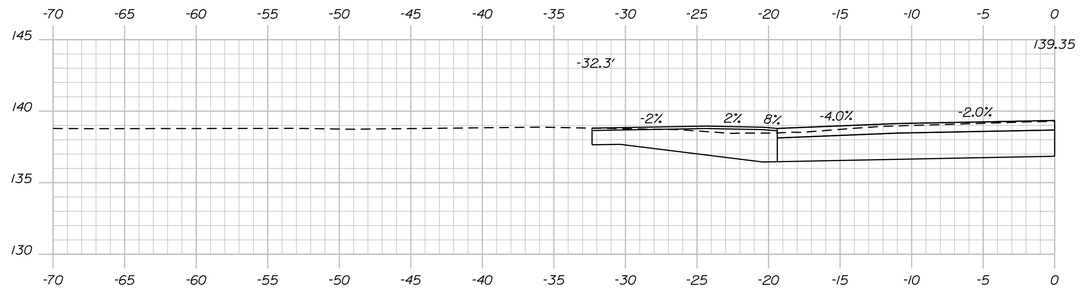
CROSS SECTIONS

SHEET NUMBER

52

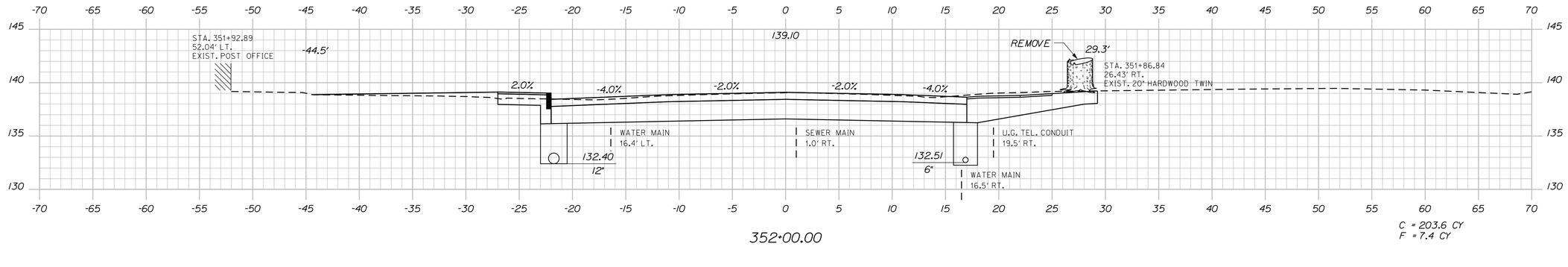
OF 87

Filename: ...\MSTA\052_XSECT_350+65_028.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



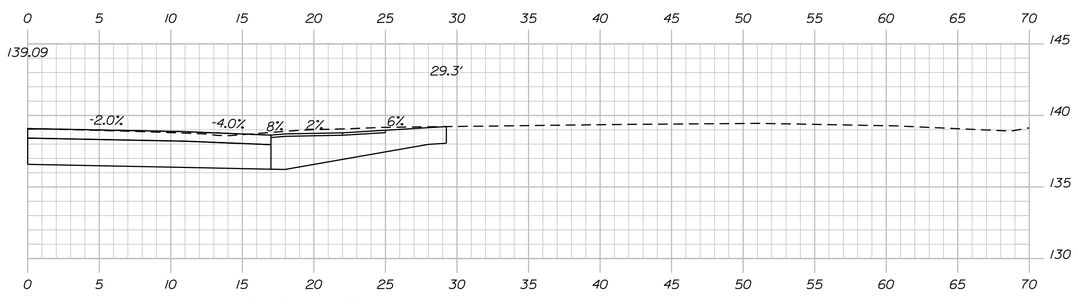
STA. 352+22.00 LT.
CONSTRUCT PAVED ENT.

352+22.00



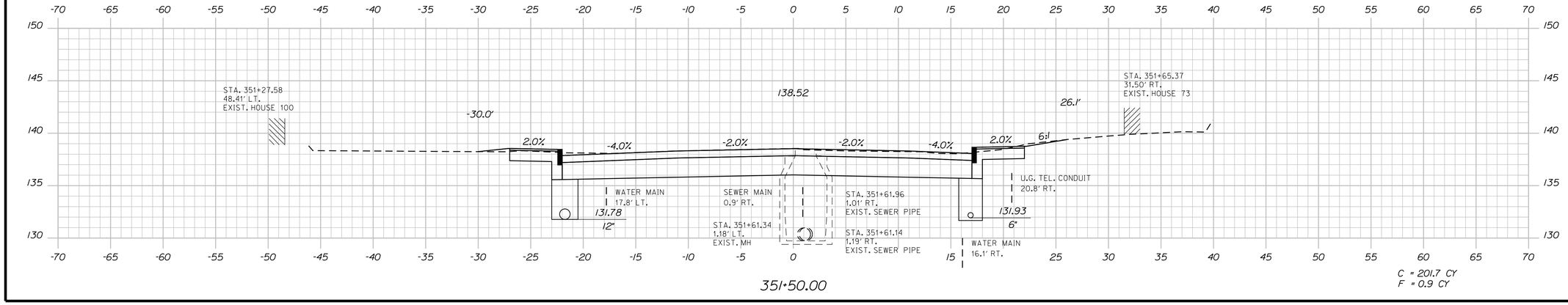
352+00.00

C = 203.6 CY
F = 7.4 CY



351+99.00

STA. 351+99.00 RT.
CONSTRUCT GRAVEL DR.



351+50.00

C = 201.7 CY
F = 0.9 CY

Sta. 351+50.00 to Sta. 352+22.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

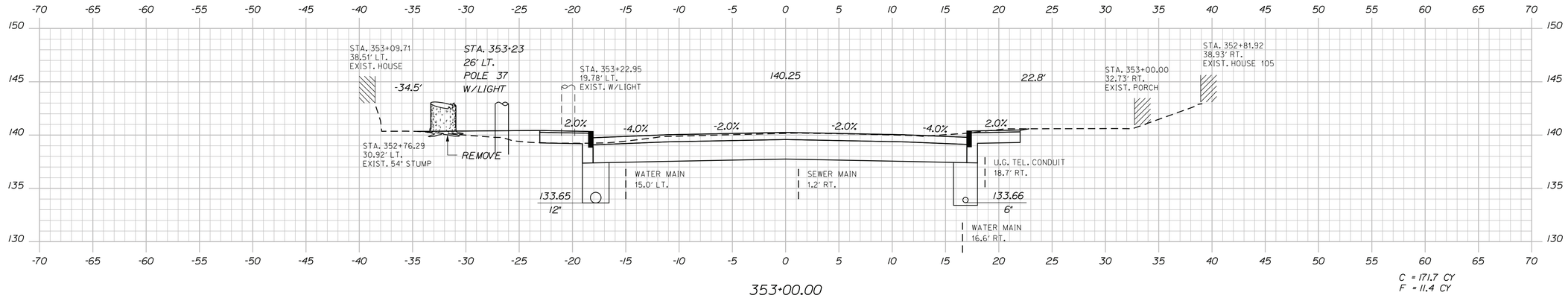
SHEET NUMBER

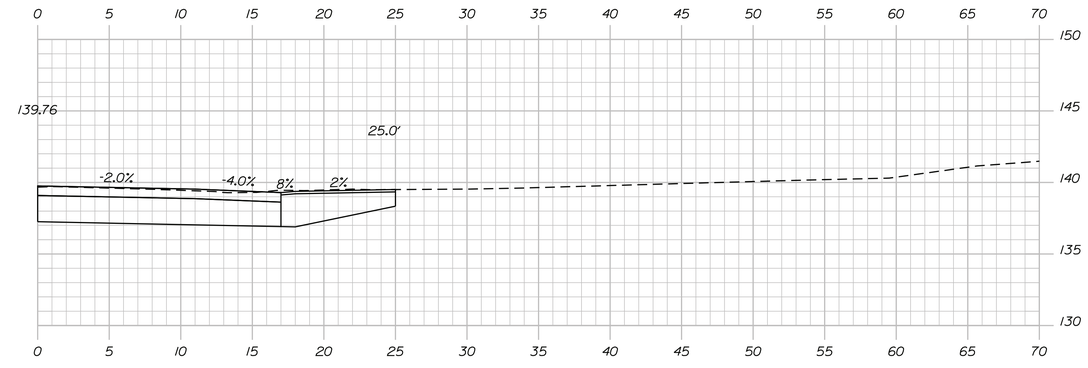
53

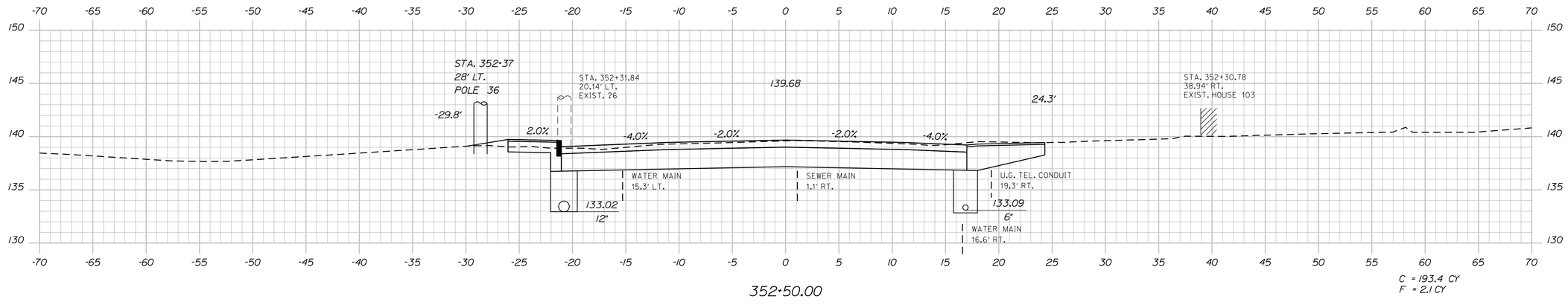
OF 87

Filename: ...\MSTA\053_XSECT_351+50_029.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\MSTA\054_XSECT_352+50_030.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

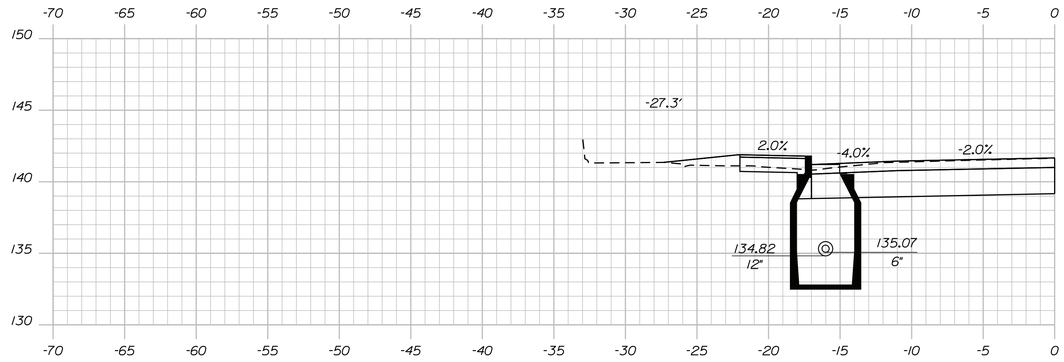
SHEET NUMBER

54

OF 87

Sta. 352+50.00 to Sta. 353+00.00

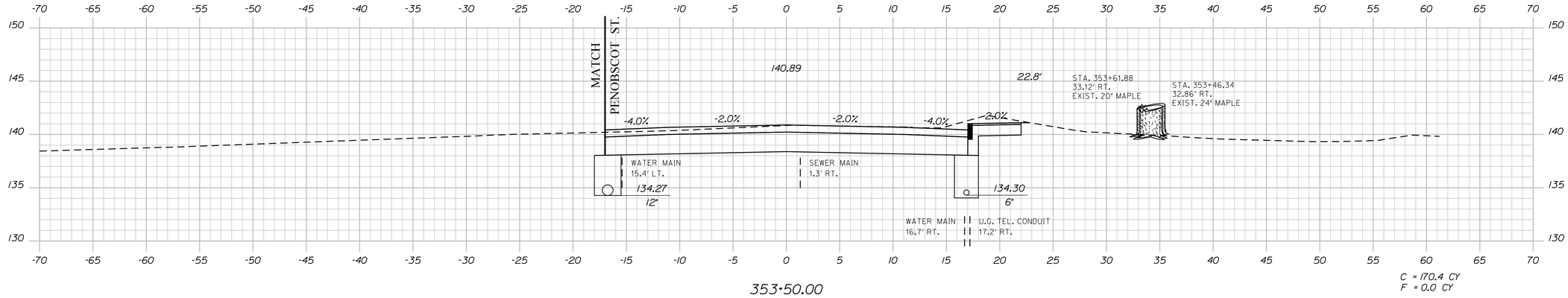
Filename: ...\MSTA\055_XSECT_353+23_031.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



CB#21 LT. TO CB#22 LT.
INSTALL 6" x 969' UD TYPE B

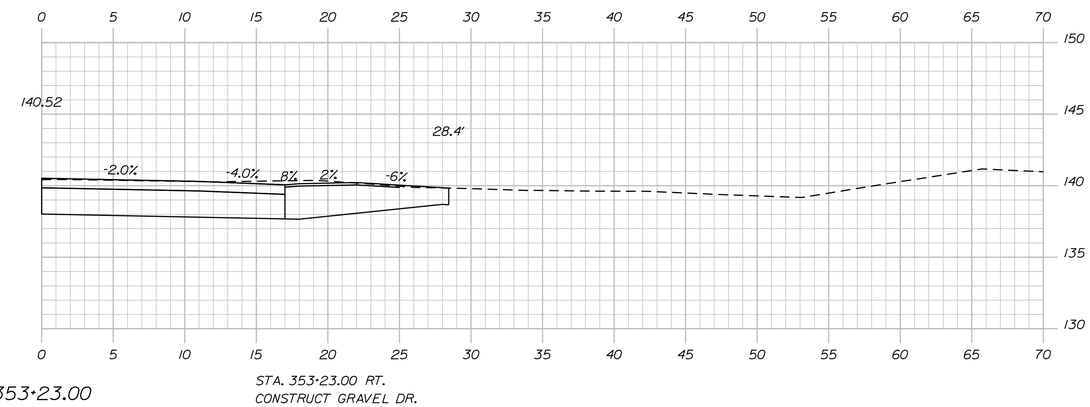
(CB#21) STA. 353+94.00, 15.9' LT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 141.12

353+94.00



353+50.00

C = 170.4 CY
F = 0.0 CY



353+23.00

STA. 353+23.00 RT.
CONSTRUCT GRAVEL DR.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MAR 2014

MILFORD
US ROUTE 2

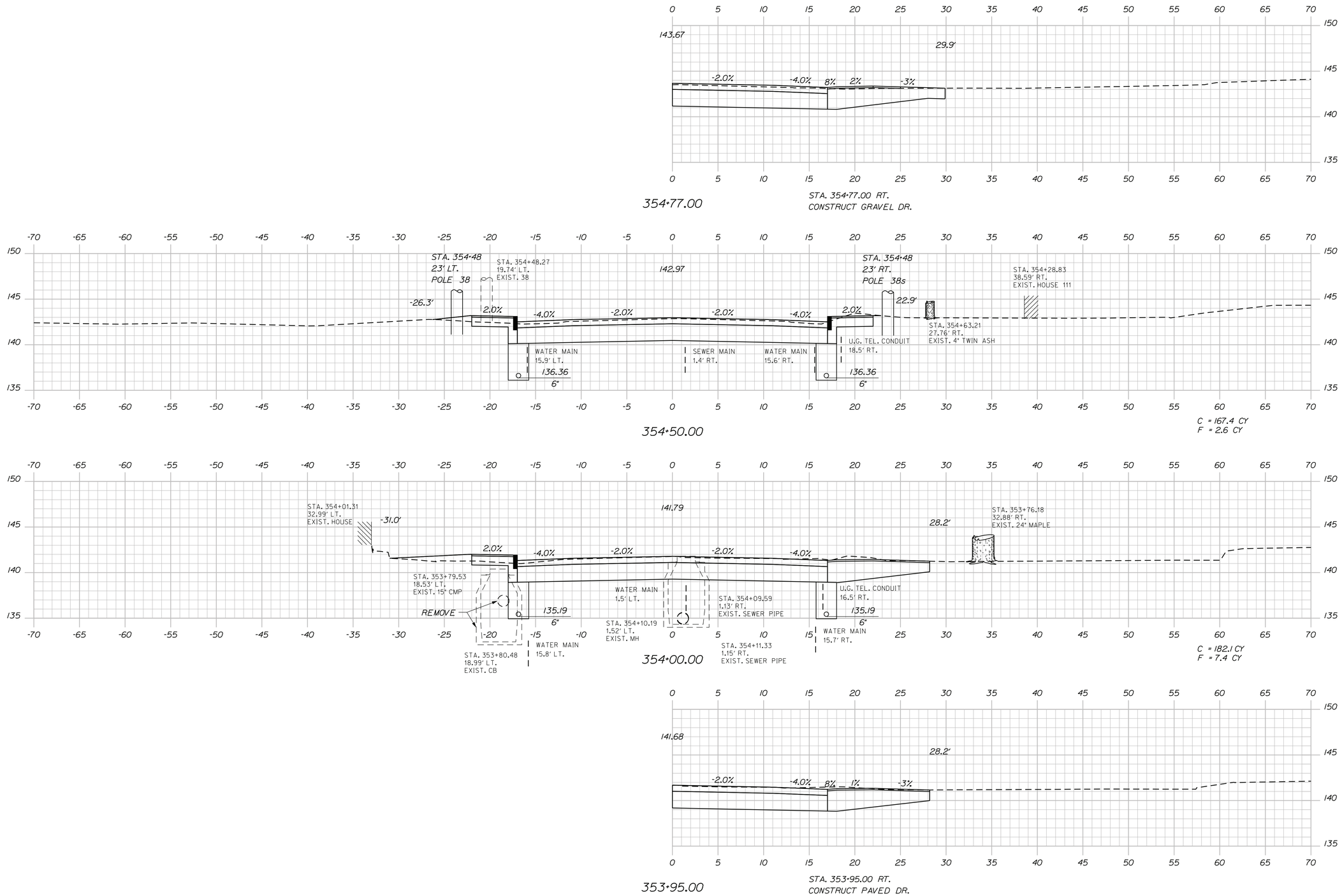
CROSS SECTIONS

SHEET NUMBER

55

OF 87

Sta. 353+23.00 to Sta. 353+94.00



Sta. 353+95.00 to Sta. 354+77.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

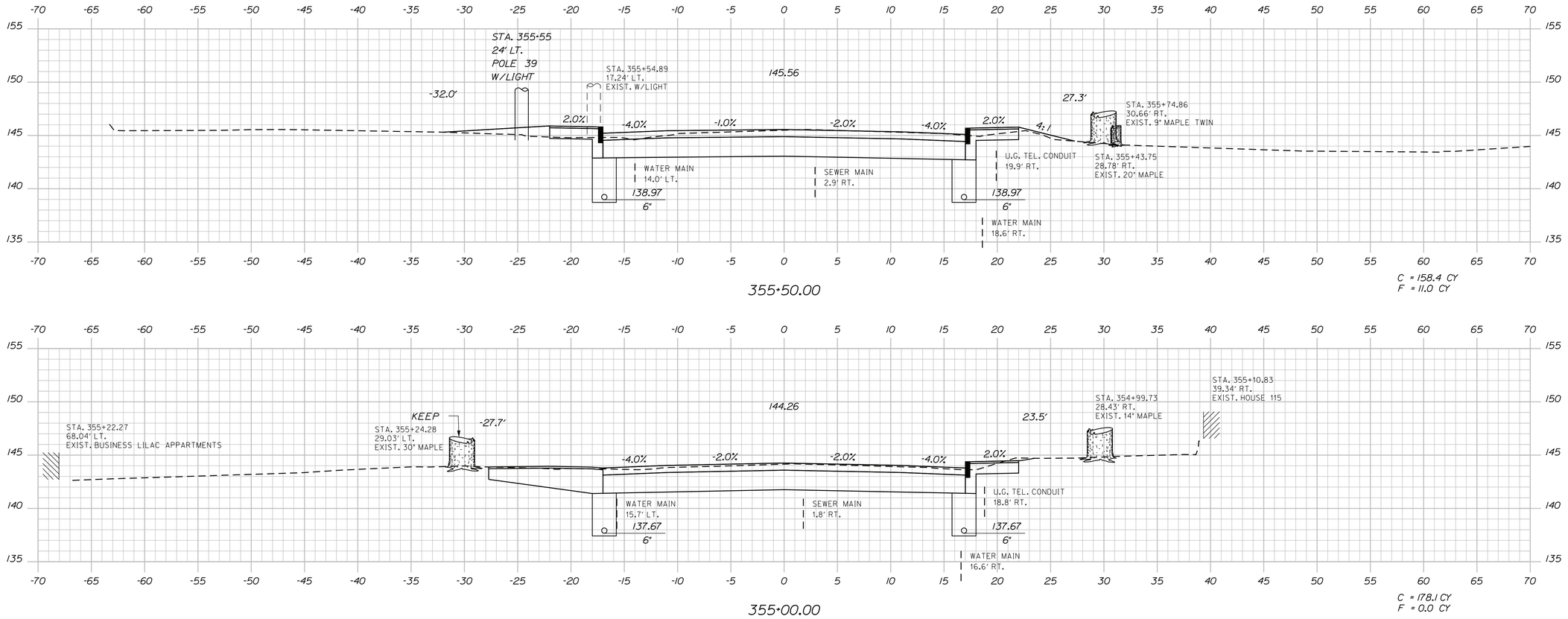
CROSS SECTIONS

SHEET NUMBER

56

OF 87

Filename: ...\MSTA\056_XSECT_353+95_032.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

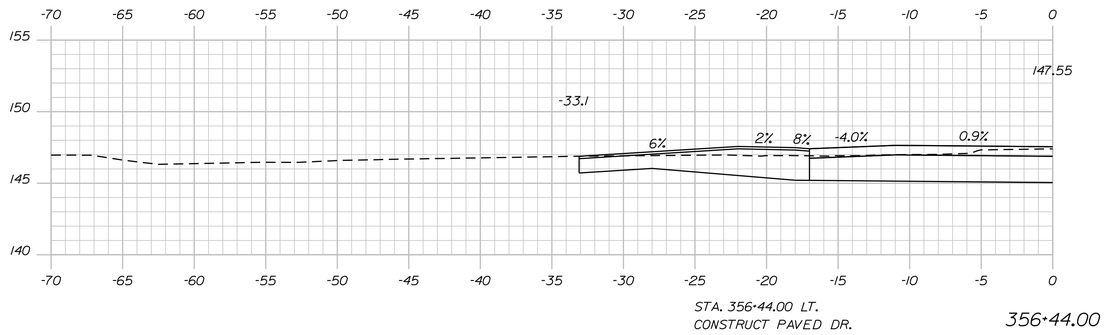
SHEET NUMBER

57

OF 87

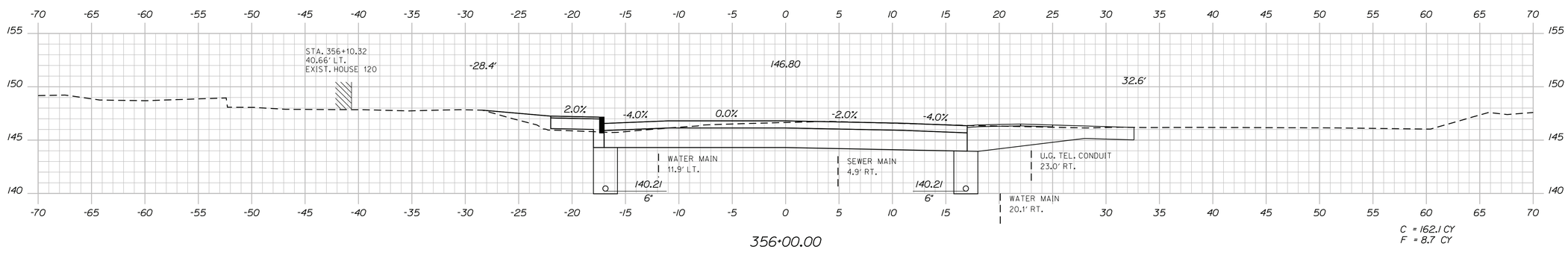
Sta. 354+95.00 to Sta. 355+50.00

Filename: ...\MSTA\057_XSECT_354+95_033.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



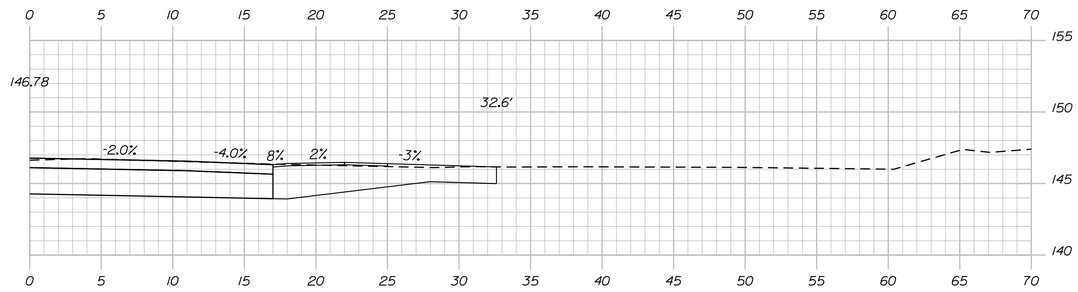
STA. 356+44.00 LT.
CONSTRUCT PAVED DR.

356+44.00



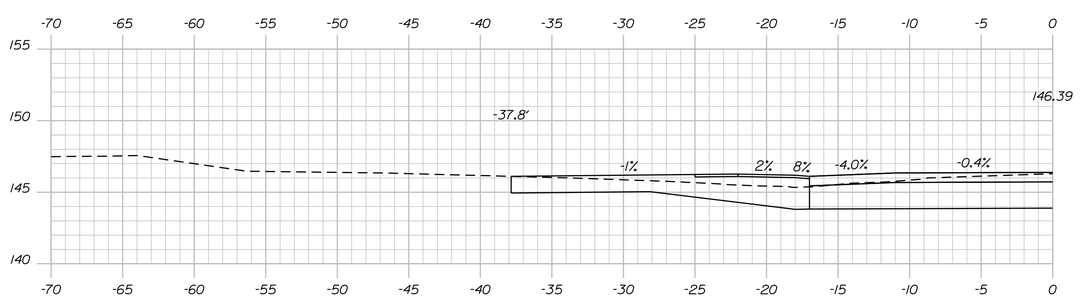
356+00.00

C = 162.1 CY
F = 8.7 CY



STA. 355+99.00 RT.
CONSTRUCT GRAVEL DR.

355+99.00



STA. 355+82.00 LT.
CONSTRUCT GRAVEL DR.

355+82.00

Sta. 355+82.00 to Sta. 356+44.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	NOV 2015	
CHECKED-REVIEWED	S. PAUL	------	
DESIGN2-DETAILED2	------	------	
DESIGN3-DETAILED3	------	MAR 2014	
REVISIONS 1	------	------	
REVISIONS 2	------	------	
REVISIONS 3	------	------	
REVISIONS 4	------	------	
FIELD CHANGES	------	------	

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

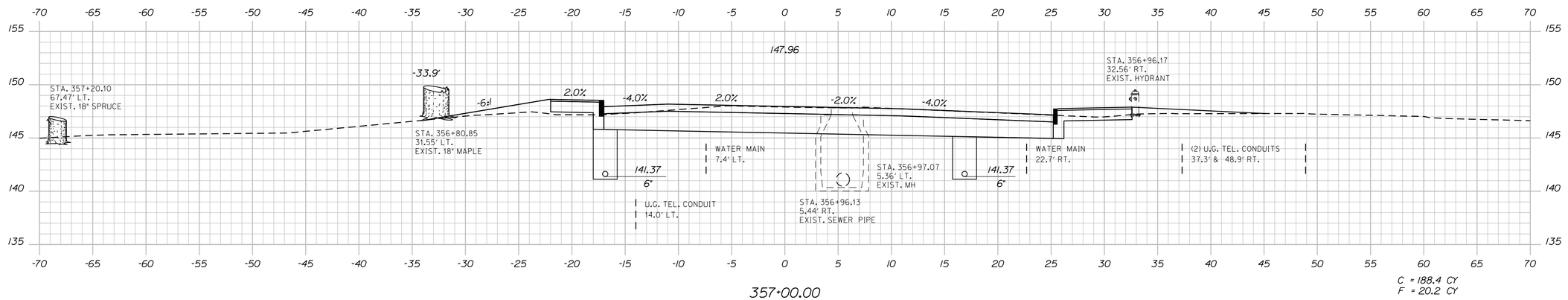
SHEET NUMBER

58

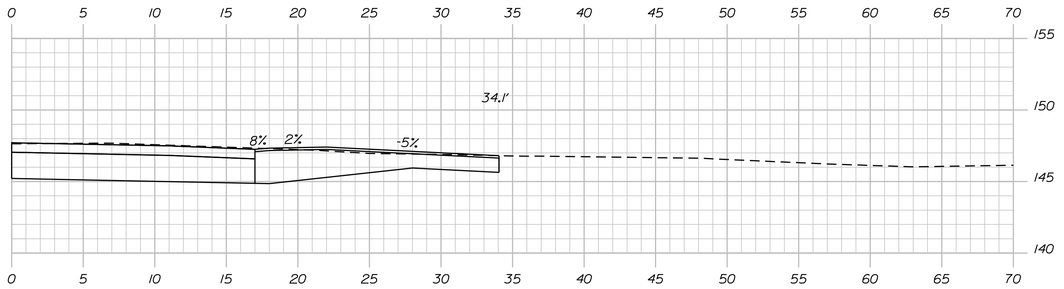
OF 87

Filename: ...\MSTA\058_XSECT_355+82_034.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

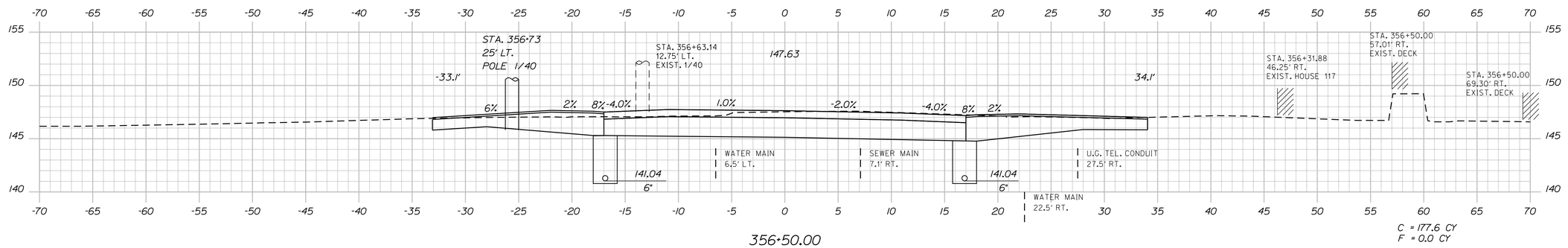
Filename: ...\MSTA\059_XSECT_356+50_035.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



357+00.00



356+58.00



356+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	BY	S. PAUL
CHECKED-REVIEWED	S. PAUL	DATE	NOV 2015
DESIGN2-DETAILED2	------		------
DESIGN3-DETAILED3	------		------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER MAR 2014

DATE

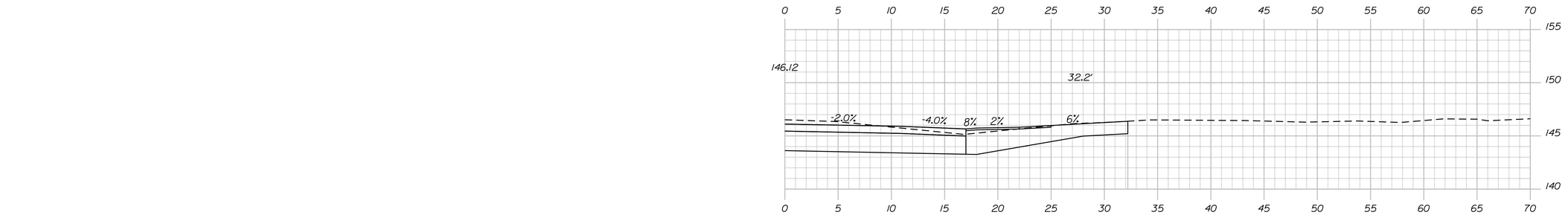
MILFORD
US ROUTE 2

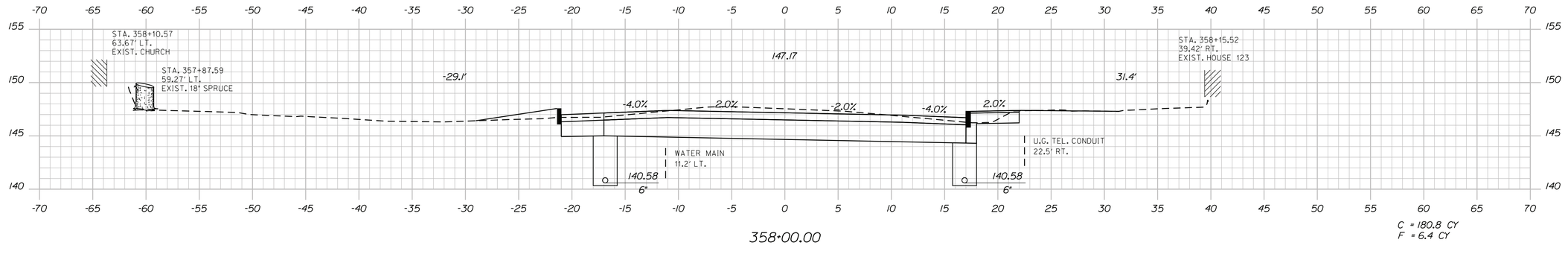
CROSS SECTIONS

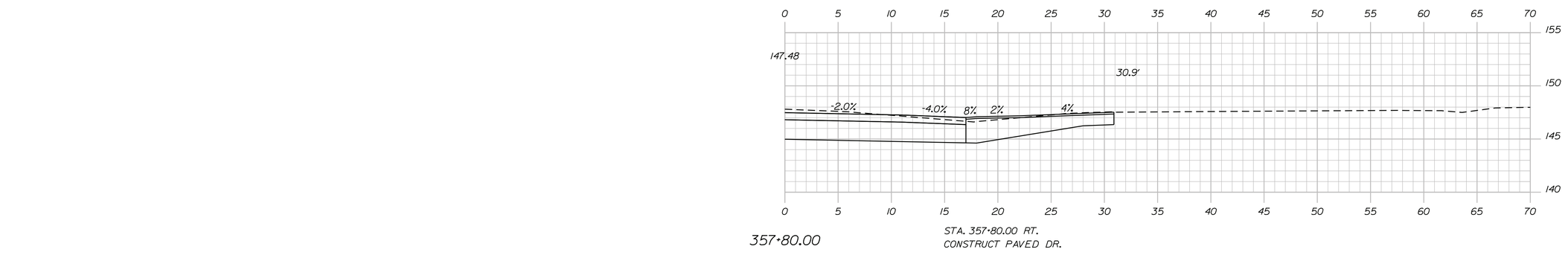
SHEET NUMBER

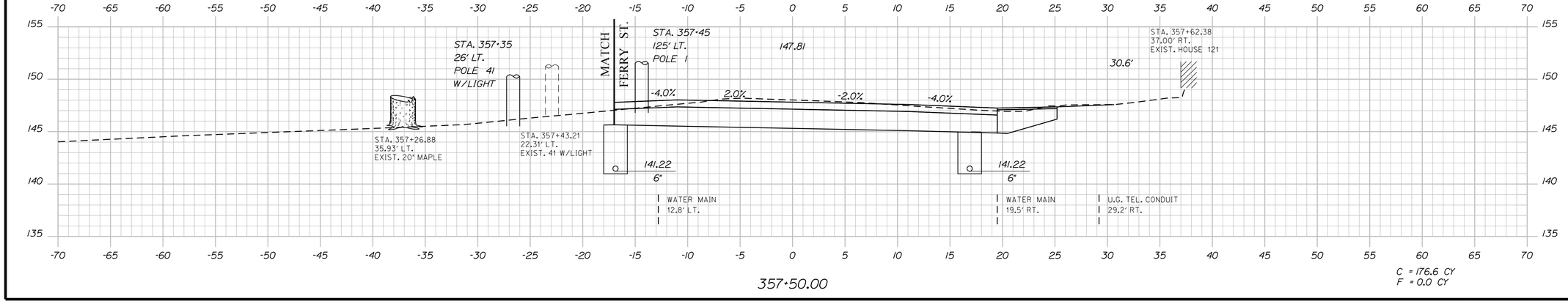
OF 87

Sta. 356+50.00 to Sta. 357+50.00









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

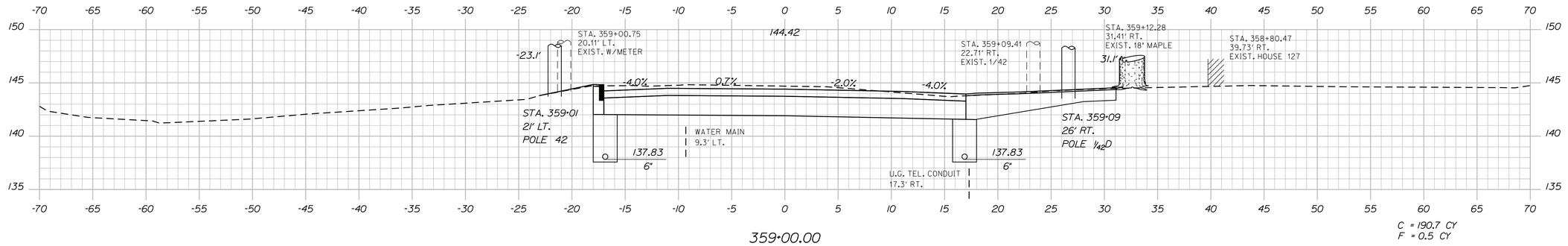
CROSS SECTIONS

SHEET NUMBER

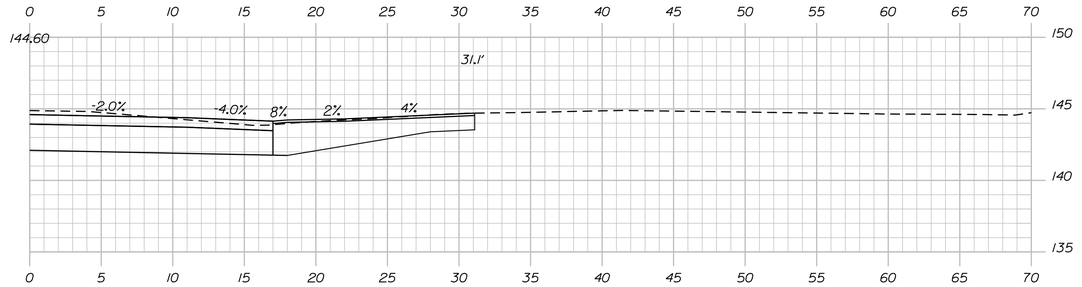
OF 87

Sta. 357+77.00 to Sta. 358+50.00

Filename: ...\MSTA\060_XSECT_357+77_036.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

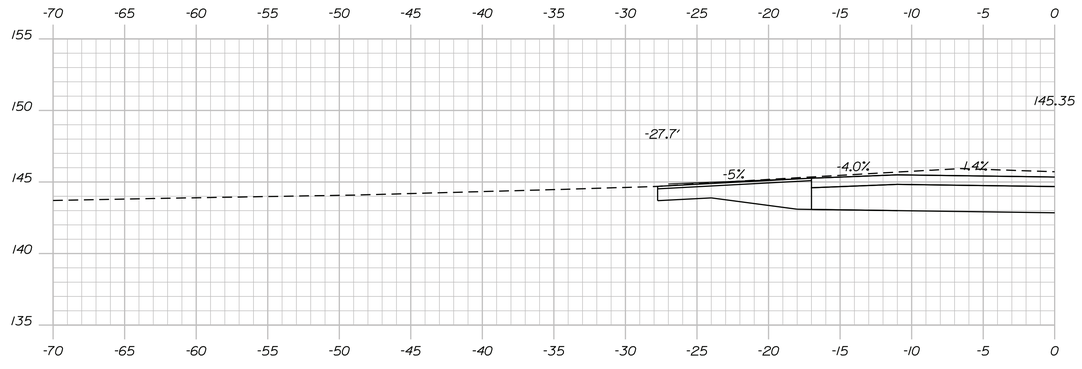


359+00.00



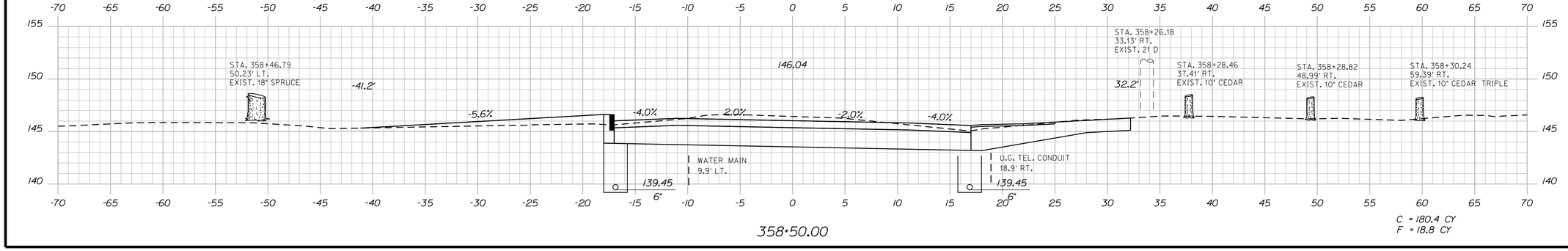
358+95.00

STA. 358+95.00 RT.
CONSTRUCT PAVED DR.



STA. 358+73.00 LT.
CONSTRUCT PAVED ENT.

358+73.00



358+50.00

Sta. 358+71.00 to Sta. 359+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

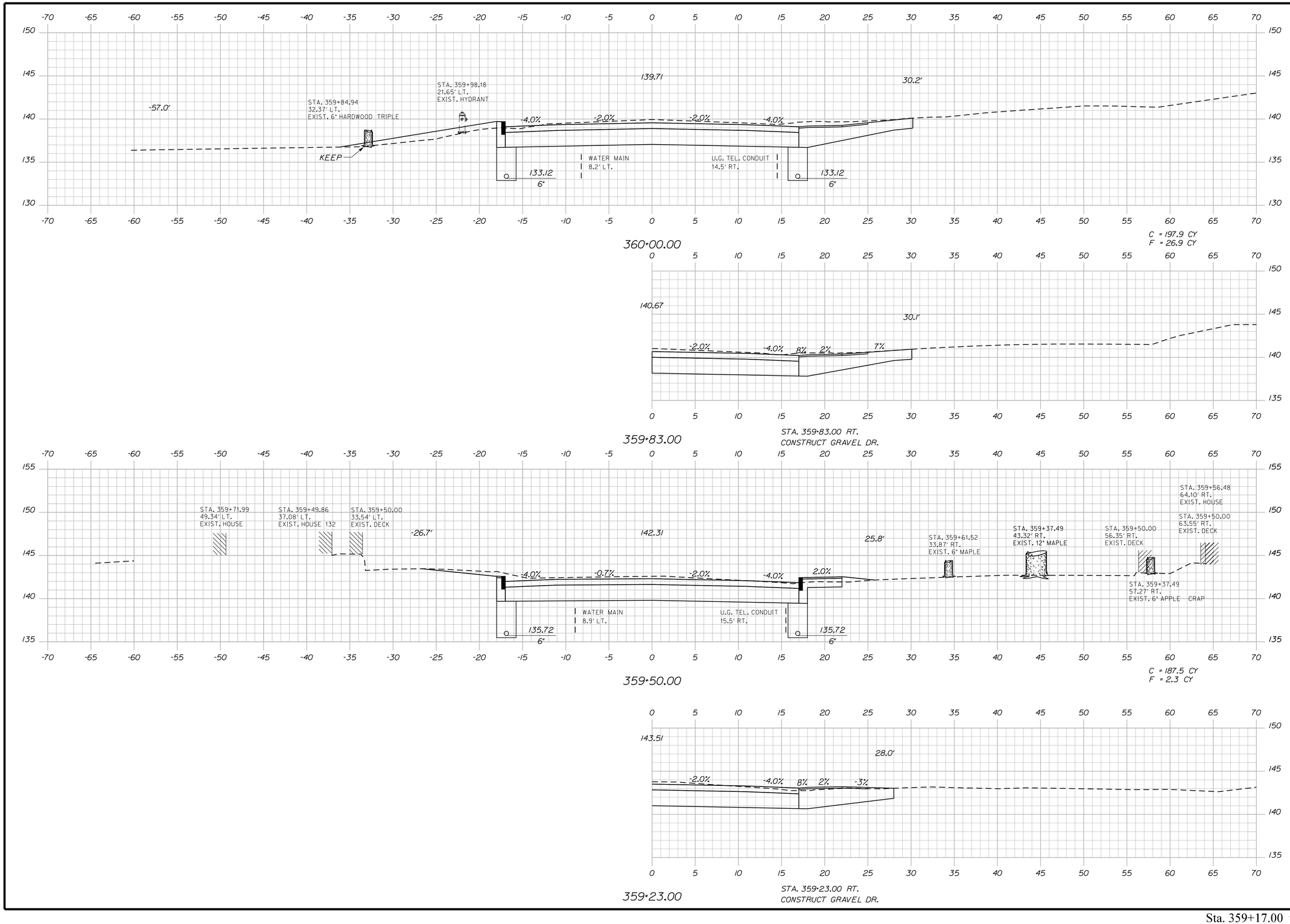
CROSS SECTIONS

SHEET NUMBER

61

OF 87

Filename: ...\MSTA\061_XSECT_358+71_037.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

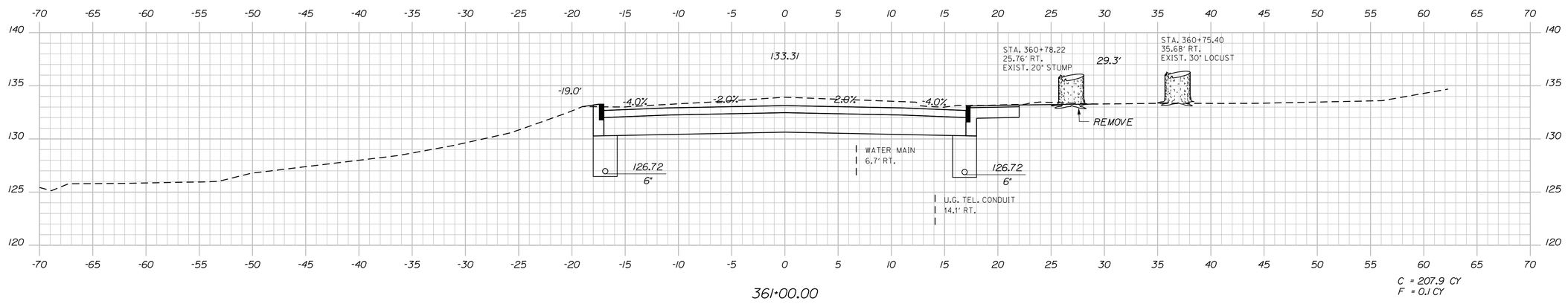
SHEET NUMBER

62

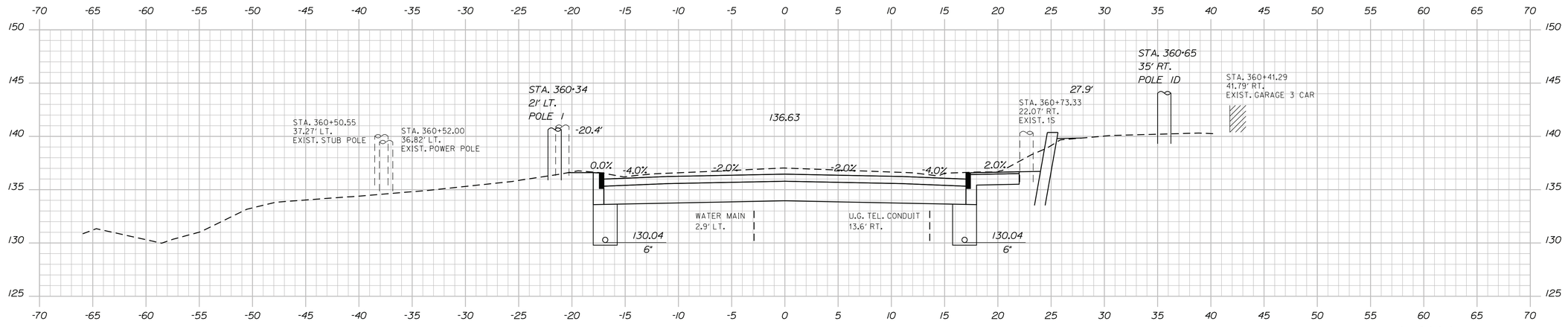
OF 87

Sta. 359+17.00 to Sta. 359+80.00

Filename: ...\MSTA\062_XSECT_359+17_038.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

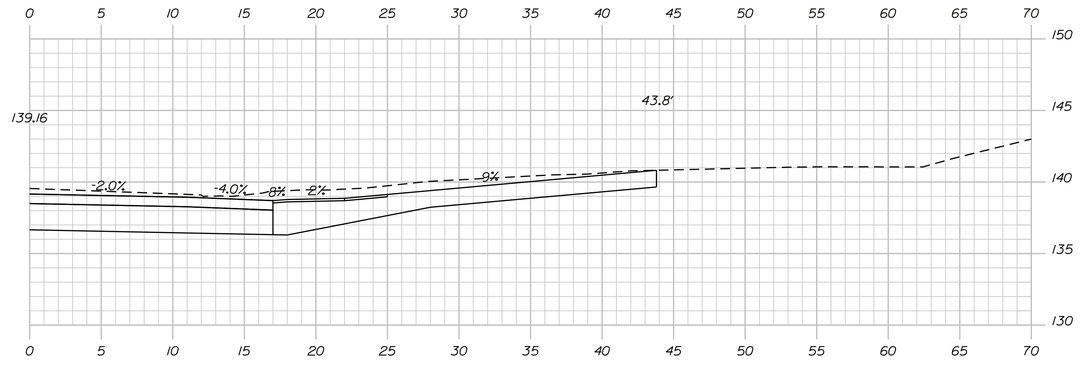


361+00.00



360+50.00

STA. 360+15.00 LT.
CONSTRUCT GRAVEL DR.
(SEE DRIVE PROFILE SHT 24)



360+10.00

STA. 360+10.00 RT.
CONSTRUCT GRAVEL DR.

Sta. 360+00.00 to Sta. 360+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	R. MOULTON	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			MAR 2014
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

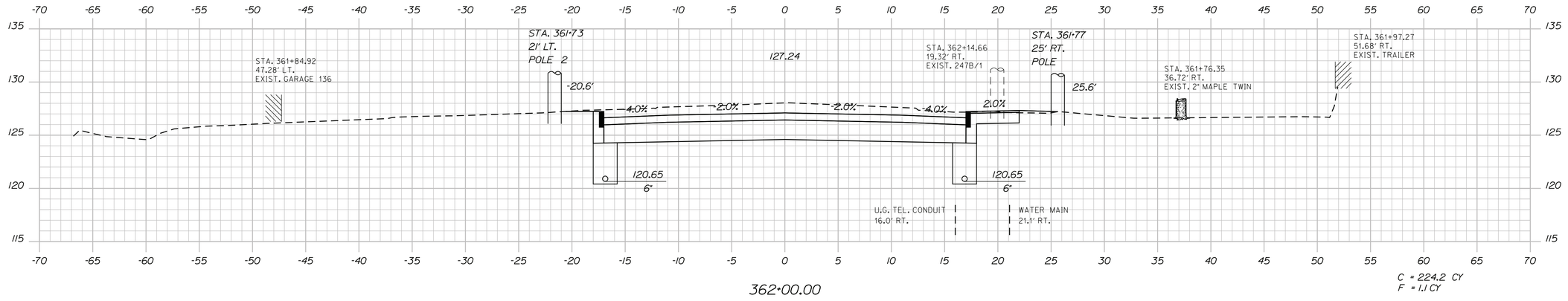
CROSS SECTIONS

SHEET NUMBER

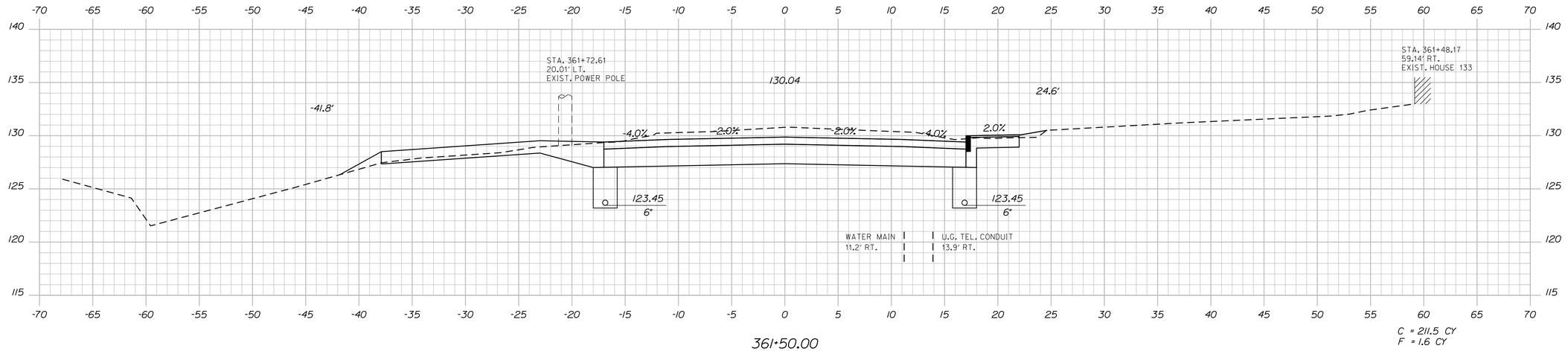
63

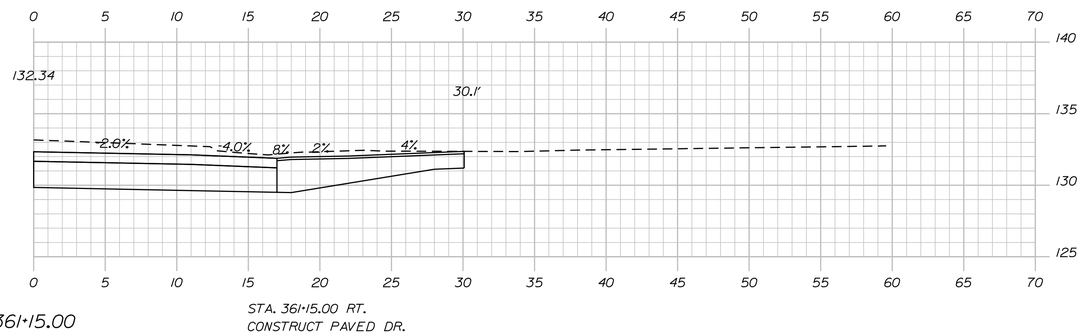
OF 87

Filename: ...\MSTA\063_XSECT_360+00_039.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



STA. 361+53.00 LT.
CONSTRUCT PAVED DR.
(SEE DRIVE PROFILE SHT 24)





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER MAR 2014

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

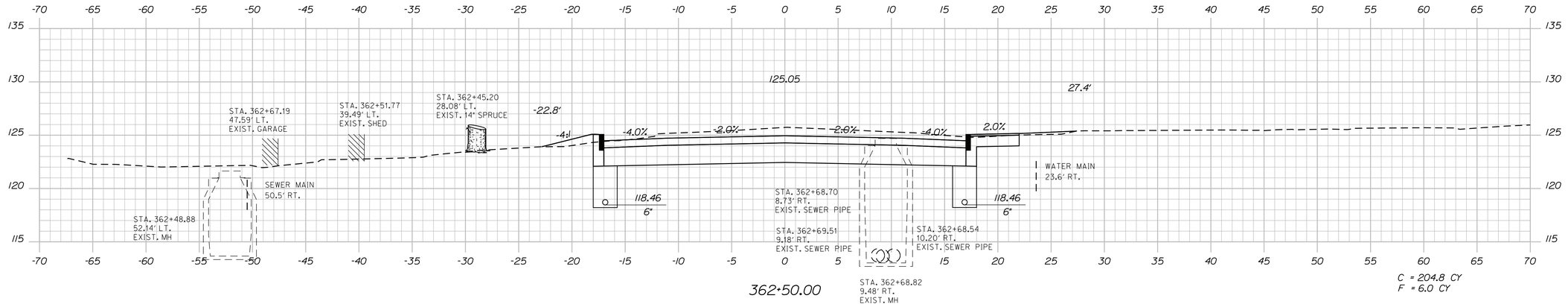
SHEET NUMBER

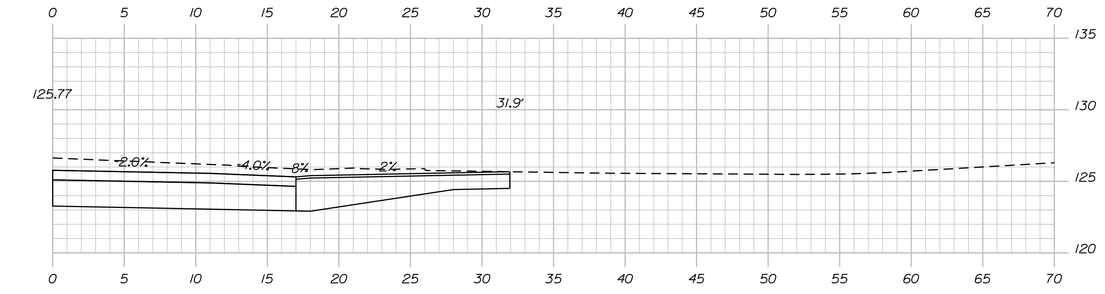
64

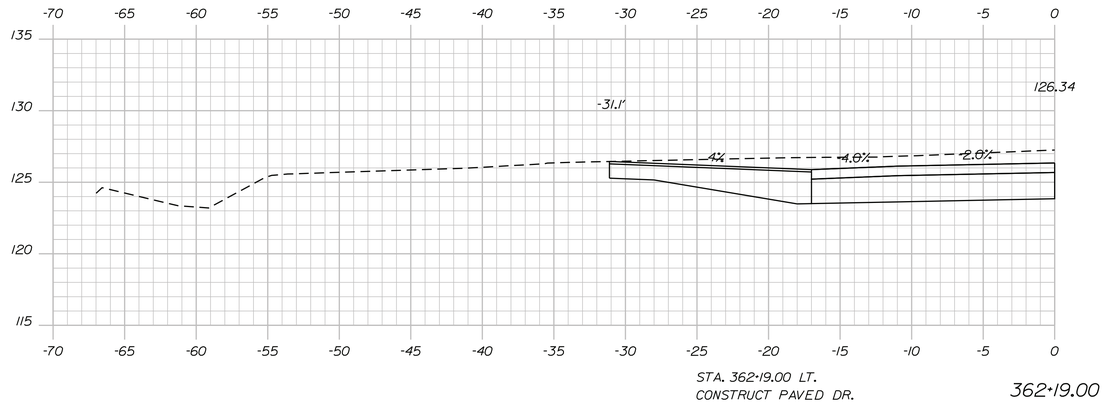
OF 87

Filename: ...\MSTA\064_XSECT_361+00_040.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Sta. 361+00.00 to Sta. 361+50.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON	S. PAUL	NOV 2015
DESIGN-DETAILED	S. PAUL	-----	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	MAR 2014
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

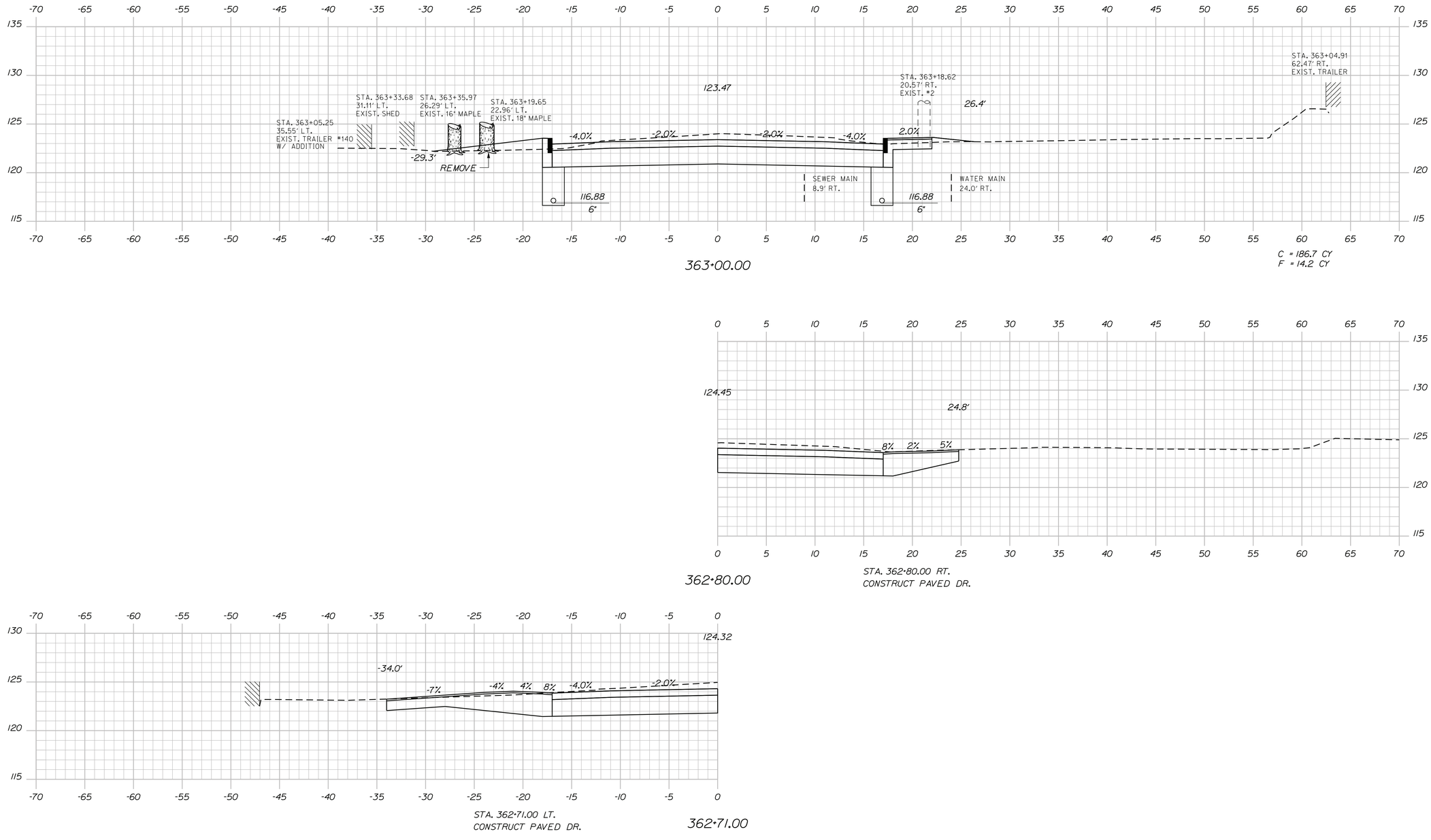
SHEET NUMBER

65

OF 87

Sta. 362+00.00 to Sta. 362+29.00

Filename: ...\MSTA\065_XSECT_362+00_041.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



Filename: ...\MSTA\066_XSECT_362+50_042.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	MAR 2014
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

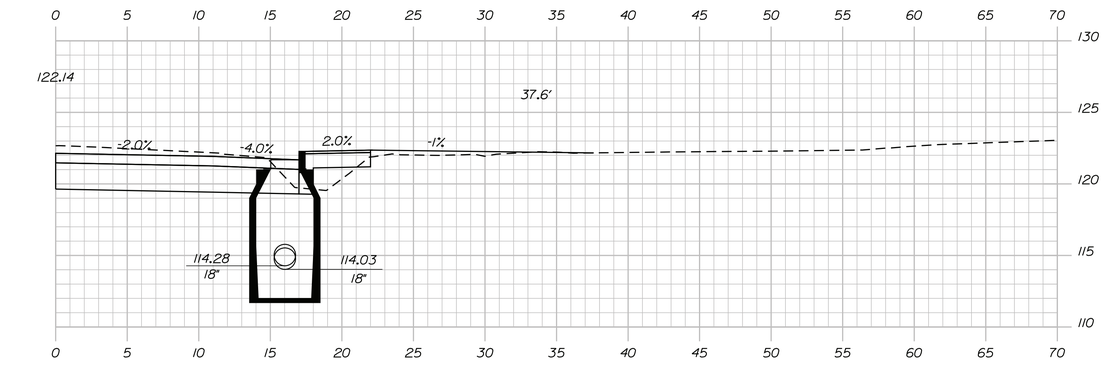
CROSS SECTIONS

SHEET NUMBER

66

OF 87

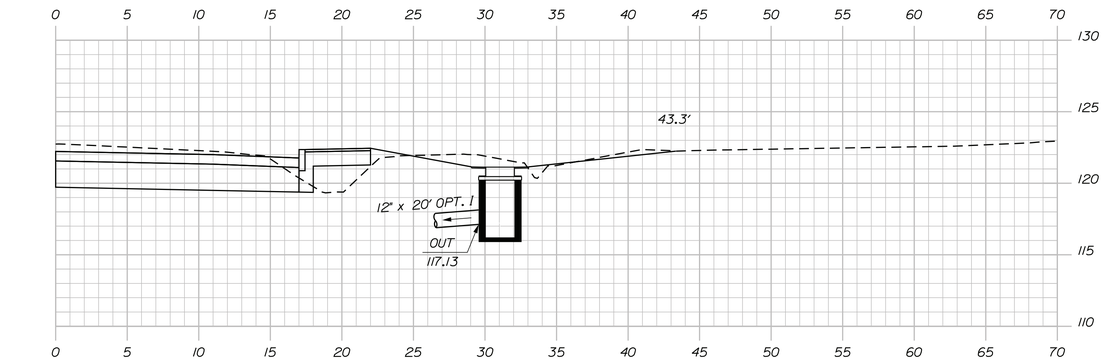
Sta. 362+50.00 to Sta. 362+68.00



363+94.00

(CB*25) STA. 363+94.00, 15.9' RT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 121.62

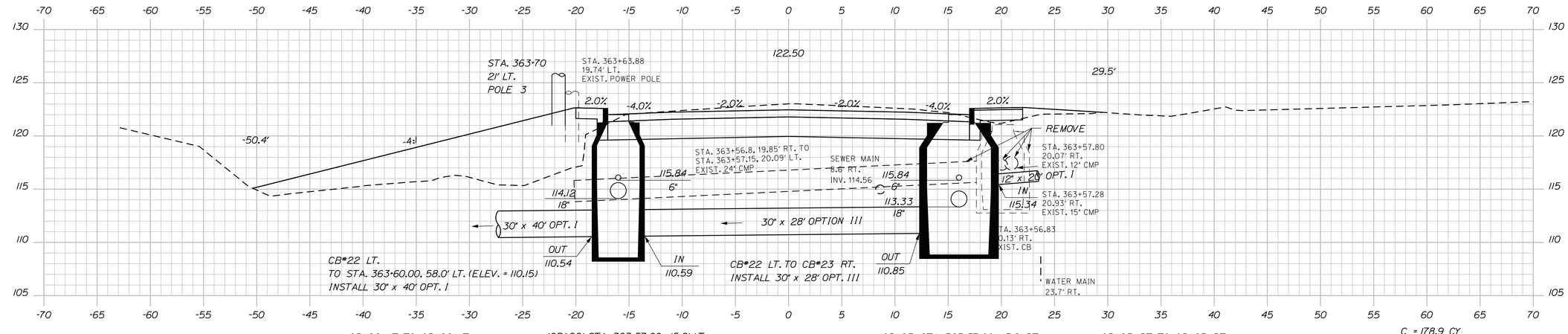
CB*25 RT. TO CB*27 RT.
INSTALL 18" x 47' UD TYPE C



363+74.00

(CB*24) STA. 363+74.00, 31.06' RT.
CONSTRUCT CB TYPE F5
GRATE ELV. = 121.13

CB*23 RT. TO CB*24 RT.
INSTALL 12" x 20' CULV. PIPE OPT. 1



CB*22 LT.
TO STA. 363+60.00, 58.0' LT. (ELEV. = 110.15)
INSTALL 30" x 40' OPT. 1

CB*22 LT. TO CB*23 RT.
INSTALL 30" x 28' OPT. III

CB*22 LT. TO CB*26 LT.
INSTALL 18" x 45' UD TYPE C

(CB*22) STA. 363+57.00, 15.9' LT.
CONSTRUCT CB TYPE A1-C
GRATE ELV. = 121.89

363+50.00

(CB*23) STA. 363+57.00, 15.9' RT.
CONSTRUCT 72" CB TYPE A1-C
GRATE ELV. = 121.89

CB*23 RT. TO CB*25 RT.
INSTALL 18" x 33' UD TYPE C

C = 178.9 CY
F = 207.1 CY

Sta. 363+00.00 to Sta. 363+93.00

STATE OF MAINE
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PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	BY
CHECKED-REVIEWED	S. PAUL	NOV 2015
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	MAR 2014
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

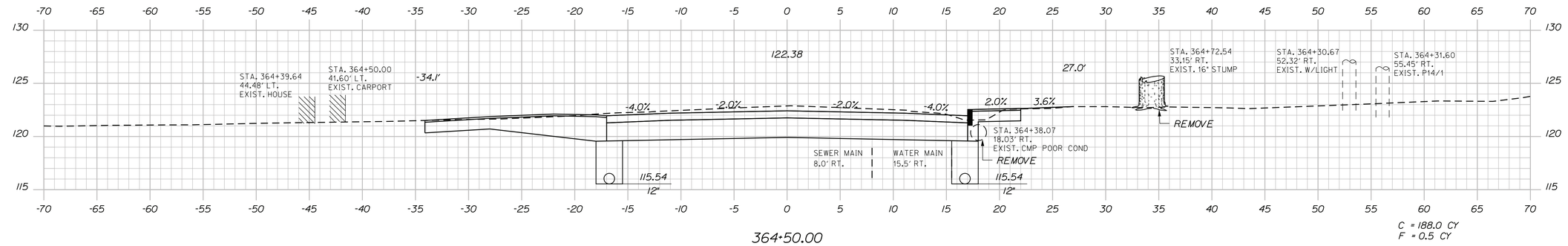
CROSS SECTIONS

SHEET NUMBER

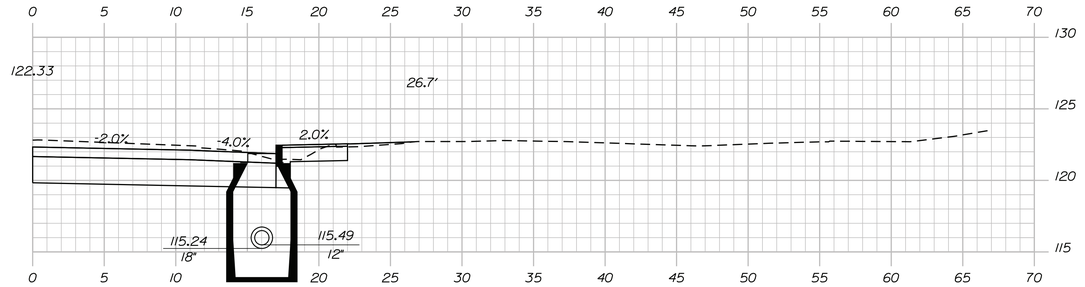
67

OF 87

Filename: ...\MSTA\067_XSECT_363+00_043.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



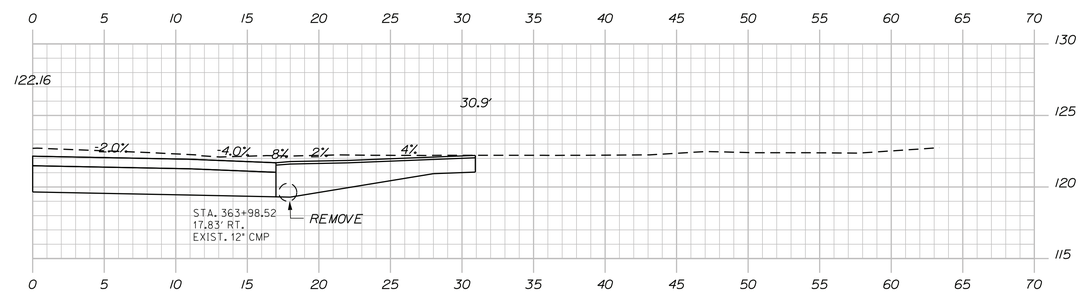
364+50.00



364+44.00

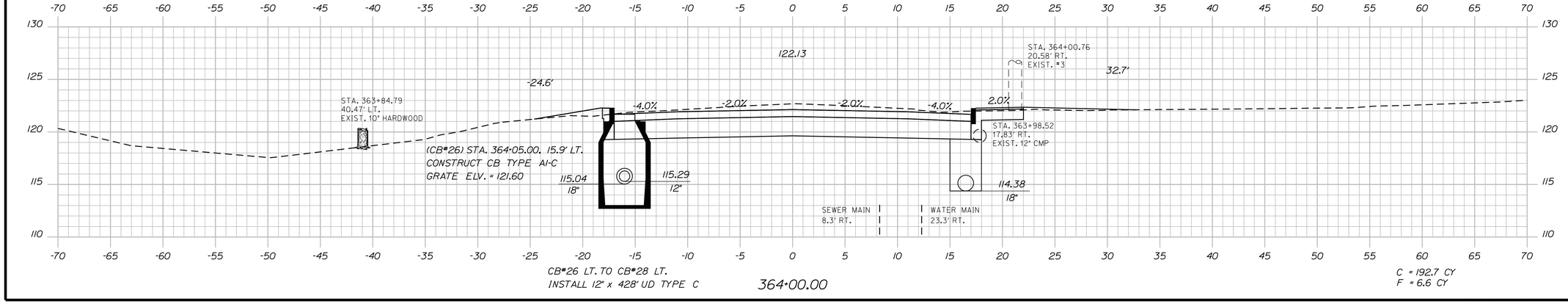
(CB*27) STA. 364+44.00, 15.9' RT.
CONSTRUCT CB TYPE Al-C
GRATE ELV. = 121.79

CB*27 RT. TO CB*29 RT.
INSTALL 12" x 428' UD TYPE C



364+19.00

STA. 364+19.00 RT.
CONSTRUCT PAVED DR.



CB*26 LT. TO CB*28 LT.
INSTALL 12" x 428' UD TYPE C

364+00.00

Sta. 364+00.00 to Sta. 364+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	MAR 2014
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

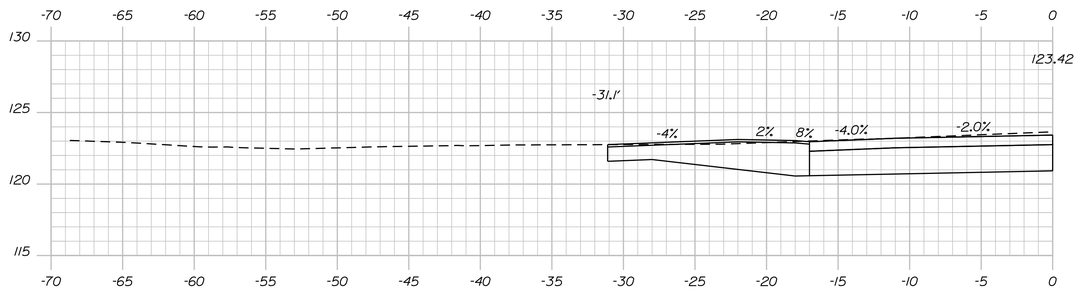
CROSS SECTIONS

SHEET NUMBER

68

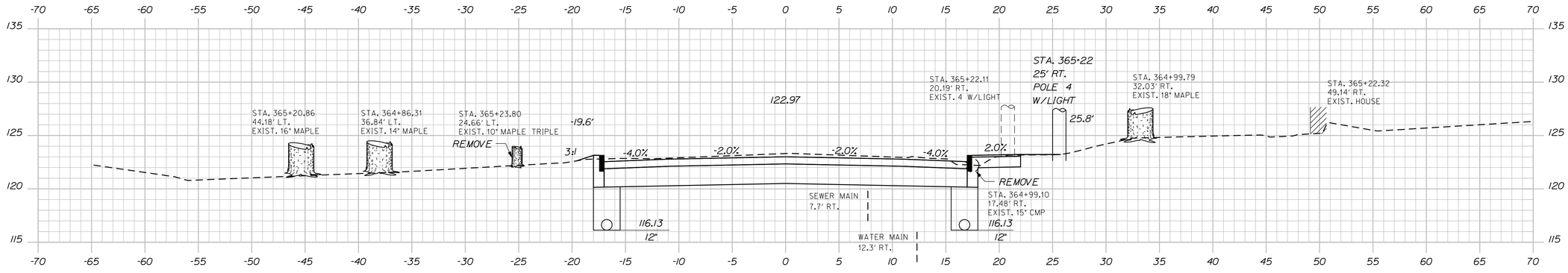
OF 87

Filename: ...\MSTA\068_XSECT_364+00_044.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



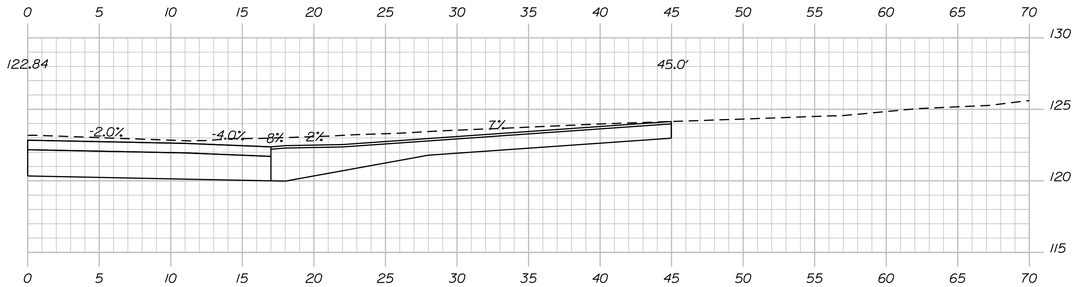
STA. 365+38.00 LT.
CONSTRUCT PAVED DR.

365+38.00



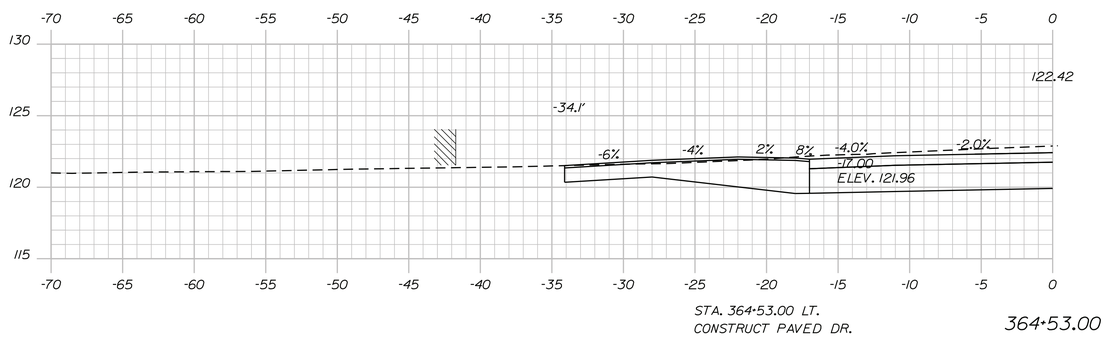
365+00.00

C = 183.1 CY
F = 0.7 CY



STA. 364+89.00 RT.
CONSTRUCT PAVED DR.

364+89.00



STA. 364+53.00 LT.
CONSTRUCT PAVED DR.

364+53.00

Sta. 364+86.00 to Sta. 365+35.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

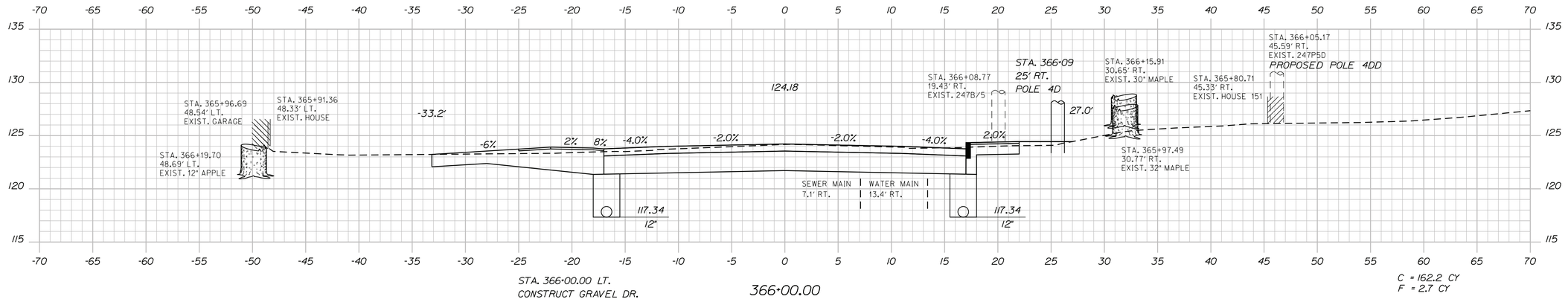
CROSS SECTIONS

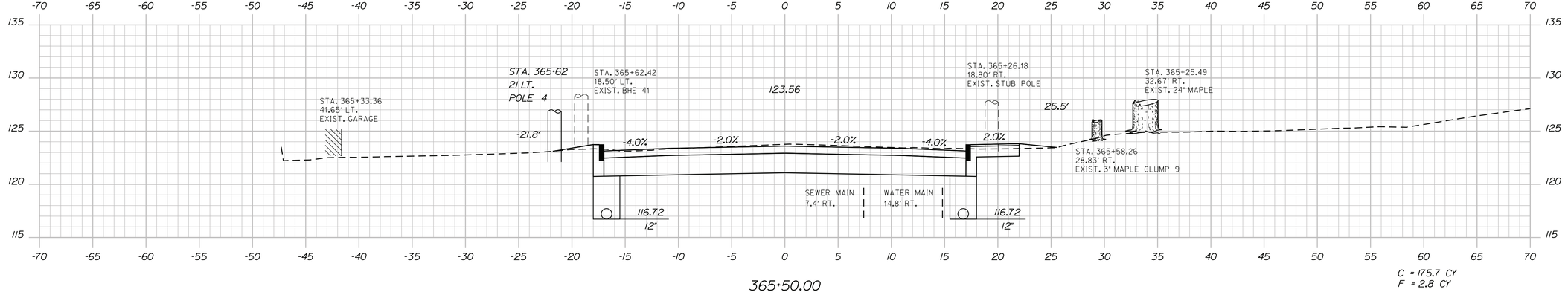
SHEET NUMBER

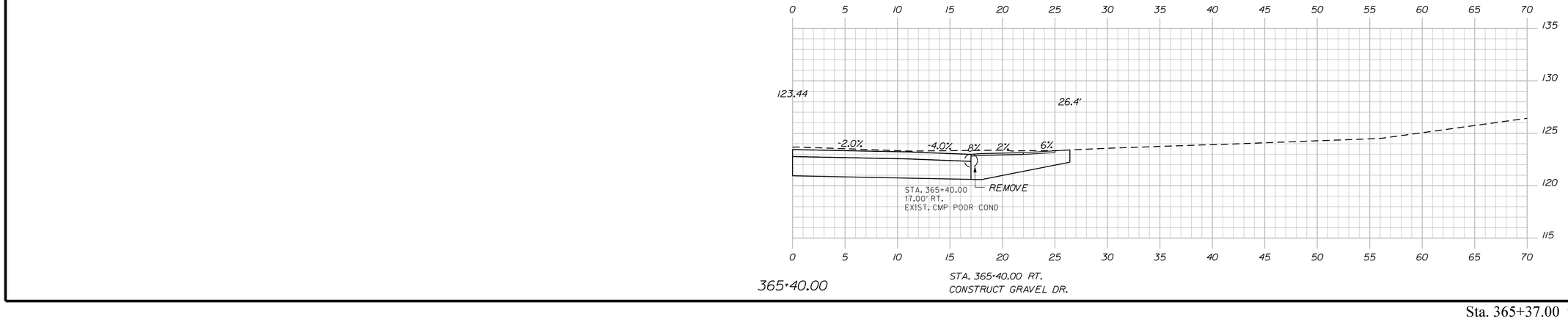
69

OF 87

Filename: ...\MSTA\069_XSECT_364+86_045.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		MAR 2014
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

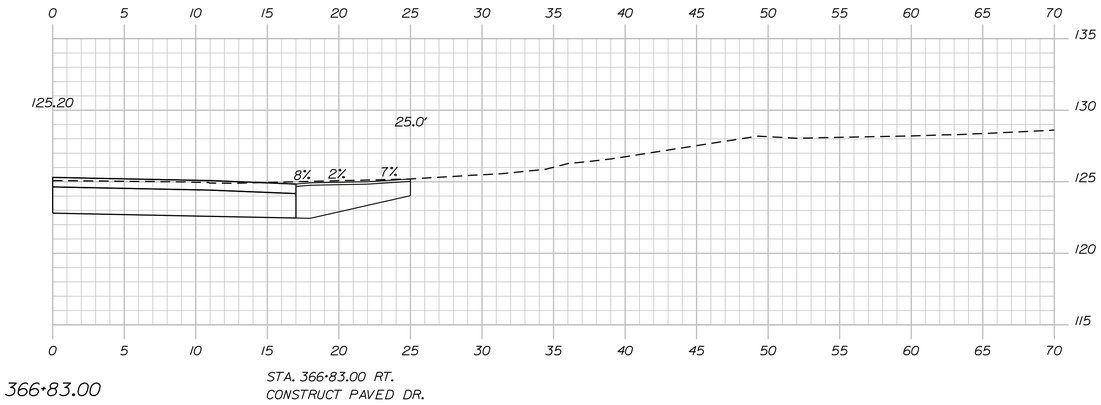
SHEET NUMBER

70

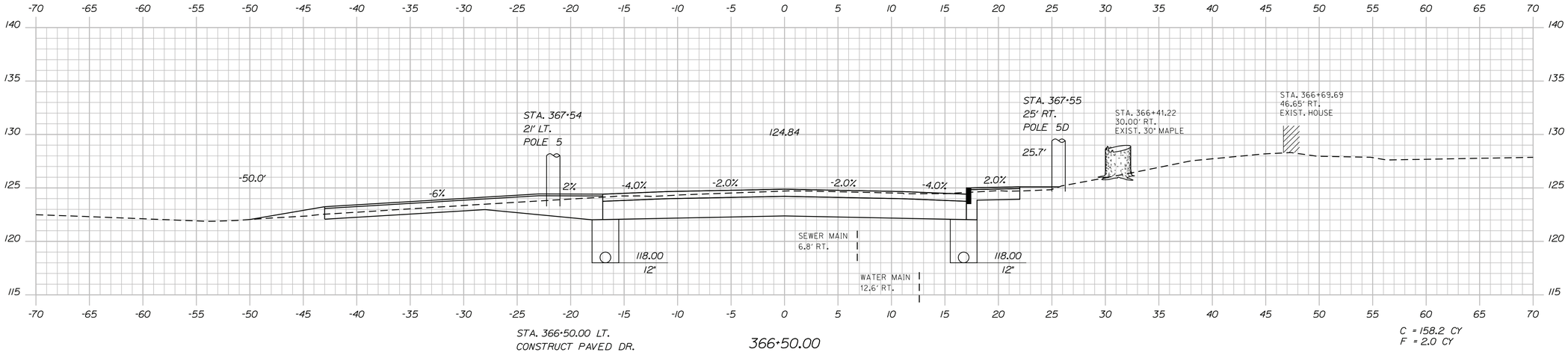
OF 87

Filename: ...\MSTA\070_XSECT_365+37_046.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

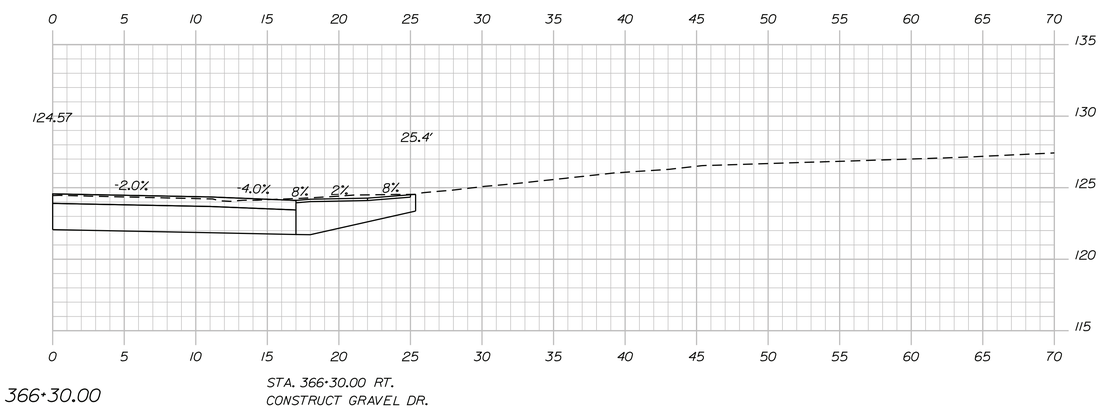
Sta. 365+37.00 to Sta. 365+97.00



366+83.00



366+50.00



366+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MAR 2014

MILFORD
US ROUTE 2

CROSS SECTIONS

SHEET NUMBER

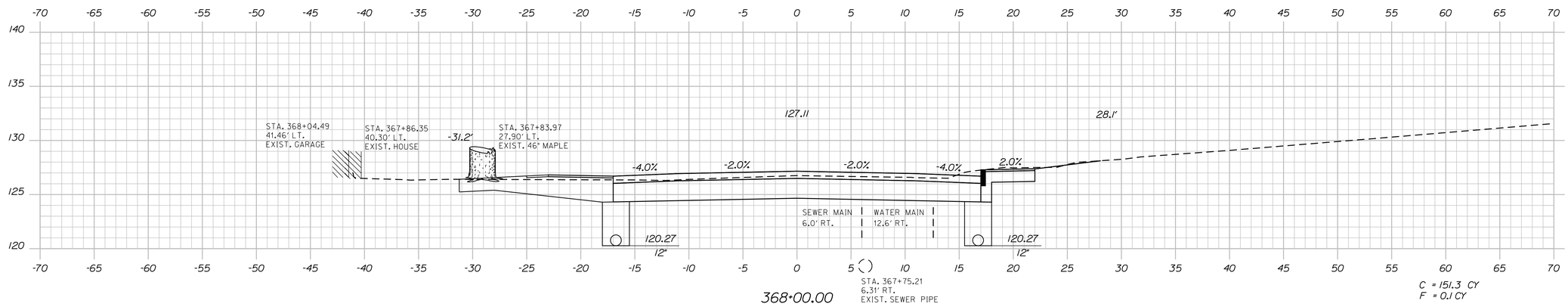
71

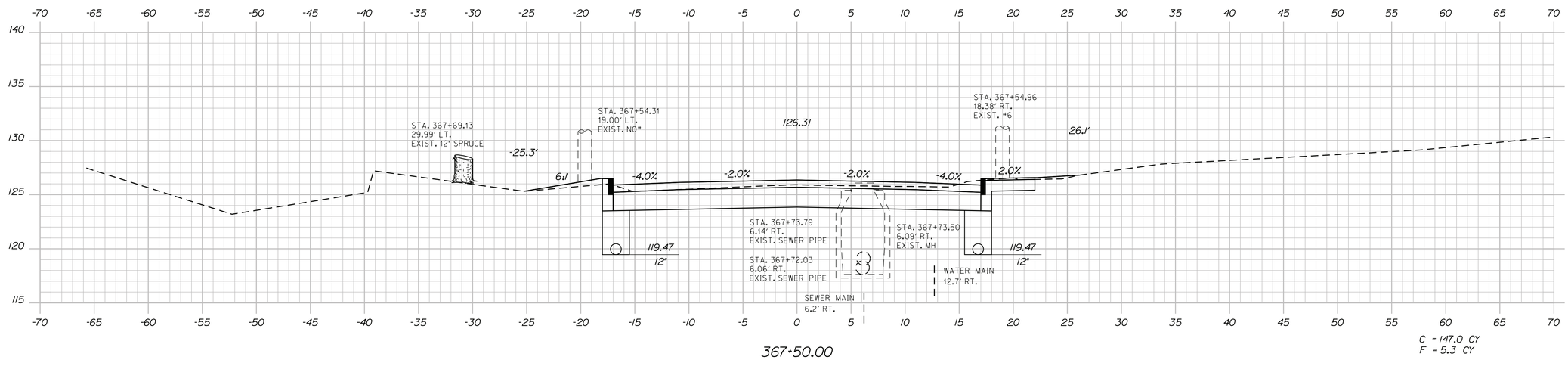
OF 87

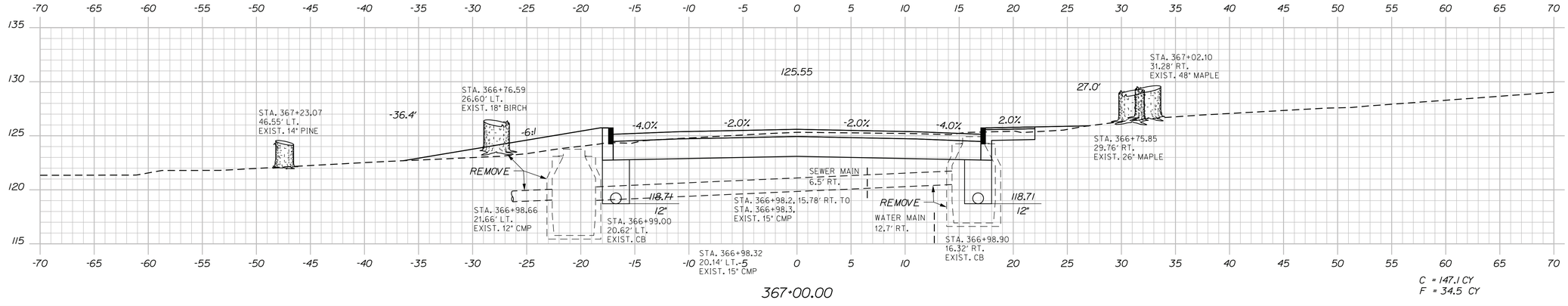
Sta. 366+00.00 to Sta. 366+47.00

Filename: ...\MSTA\071_XSECT_366-00_047.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\MSTA\072_XSECT_366+50_048.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY
DESIGN-DETAILED	S. PAUL	S. PAUL
CHECKED-REVIEWED	S. PAUL	NOV 2015
DESIGN2-DETAILED2	------	-----
DESIGN3-DETAILED3	------	-----
REVISIONS 1	------	MAR 2014
REVISIONS 2	------	-----
REVISIONS 3	------	-----
REVISIONS 4	------	-----
FIELD CHANGES	------	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

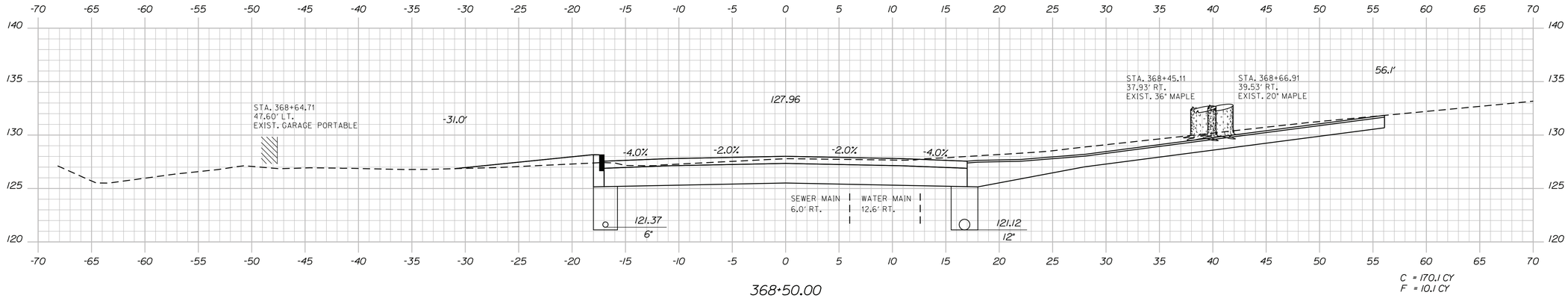
CROSS SECTIONS

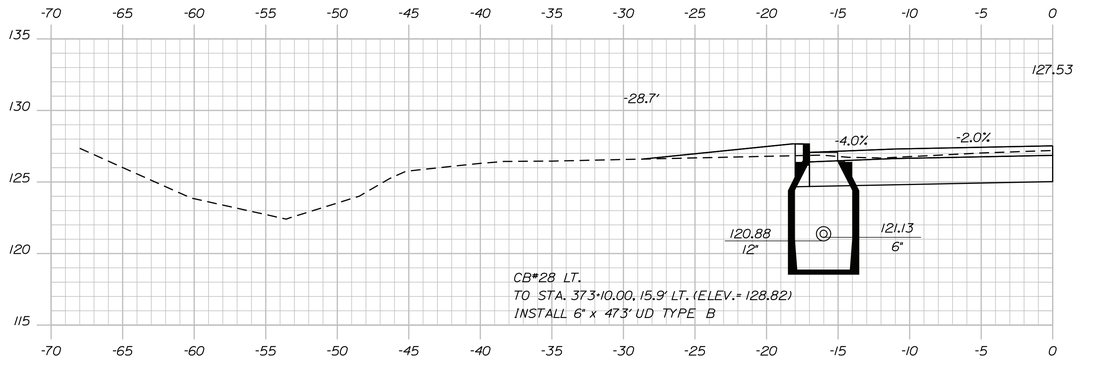
SHEET NUMBER

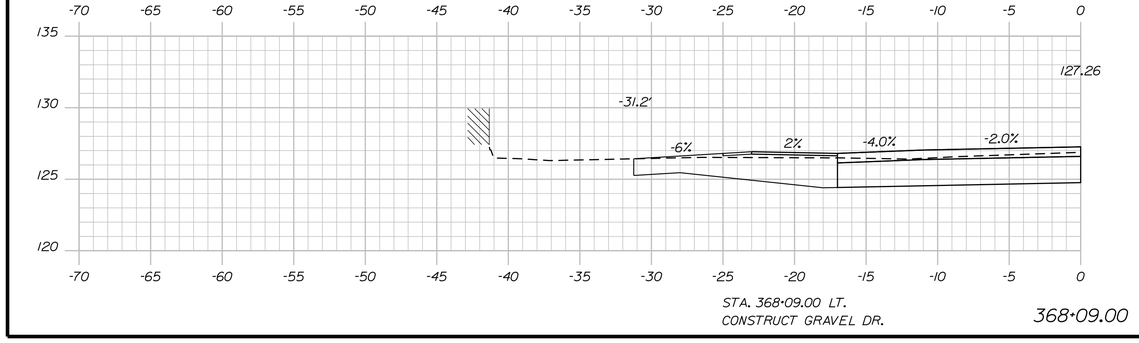
72

OF 87

Sta. 366+50.00 to Sta. 367+00.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	NOV 2015	S. PAUL
CHECKED-REVIEWED	S. PAUL	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	MAR 2014	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

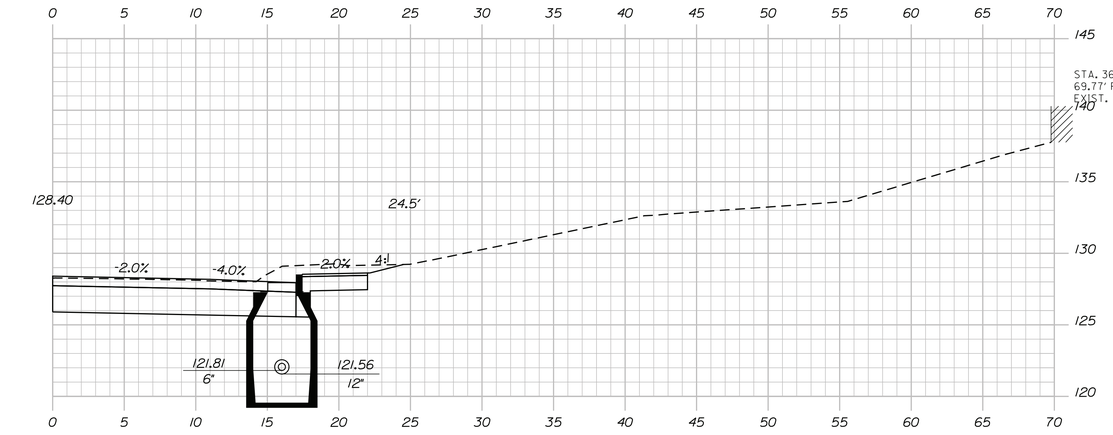
SHEET NUMBER

73

OF 87

Sta. 367+50.00 to Sta. 368+06.00

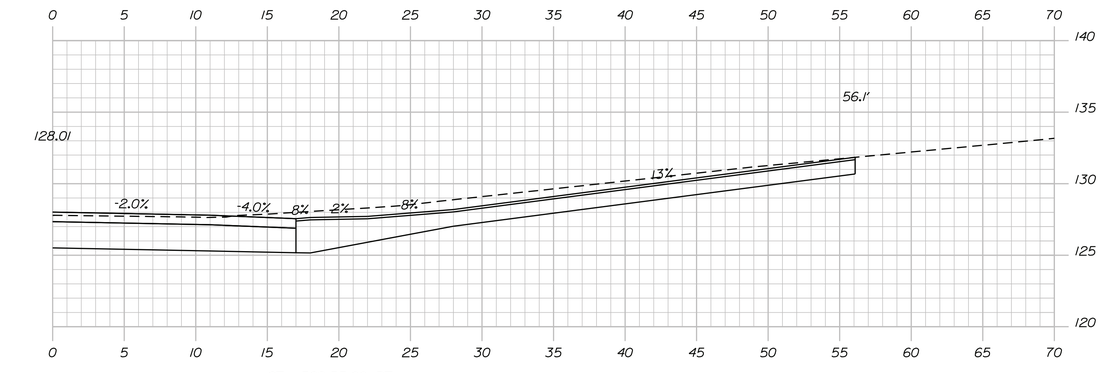
Filename: ...\MSTA\073_XSECT_367+50_049.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



368+75.00

(CB#29) STA. 368+75.00, 15.9' RT.
CONSTRUCT CB TYPE Al-C
GRATE ELV. = 127.86

CB#29 RT.
TO STA. 373+10.00, 15.9' RT. (ELEV.= 128.82)
INSTALL 6" x 434' UD TYPE B



368+53.00

STA. 368+53.00 RT.
CONSTRUCT PAVED DR.

Sta. 368+22.00 to Sta. 368+72.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014	
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

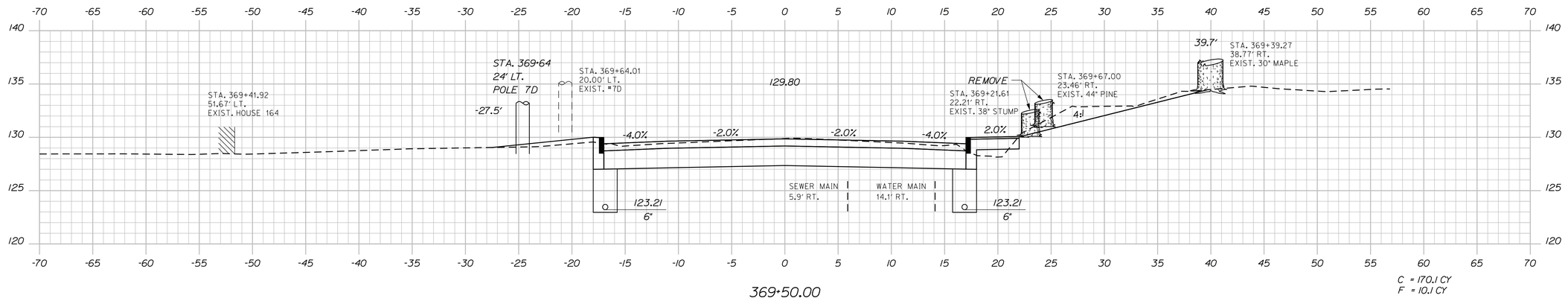
CROSS SECTIONS

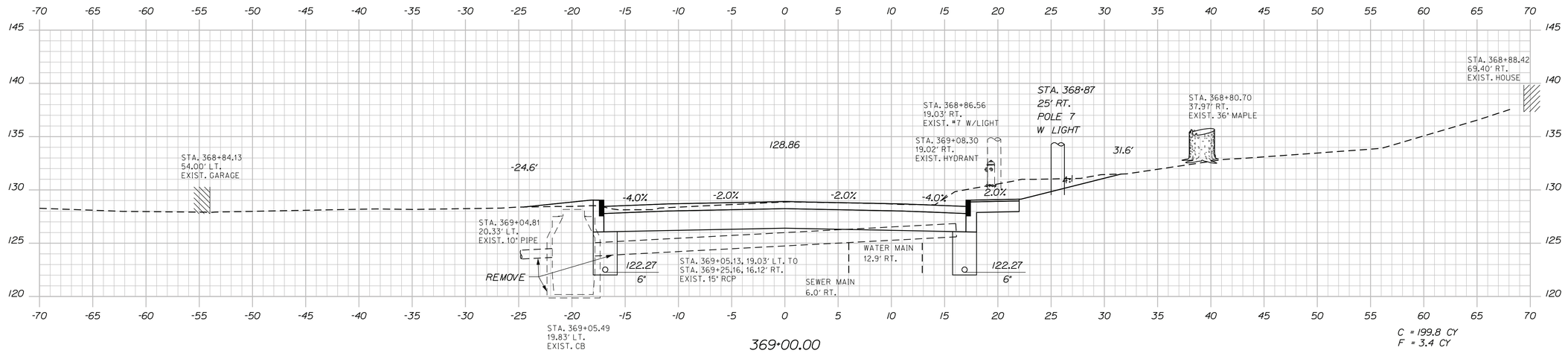
SHEET NUMBER

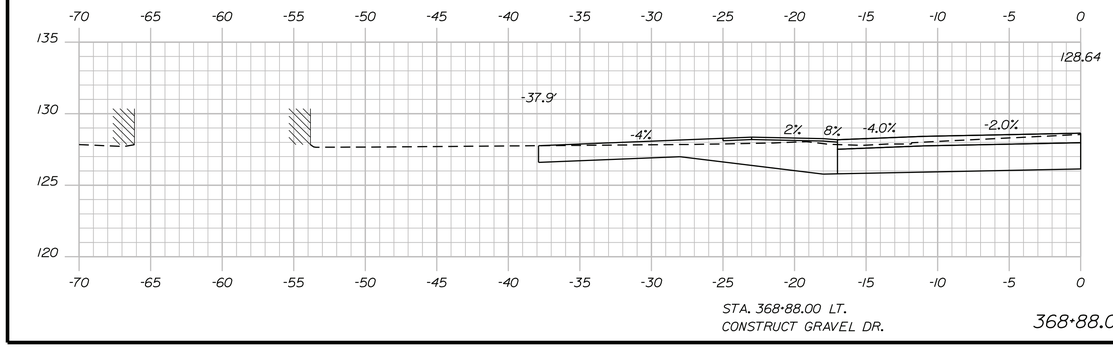
74

OF 87

Filename: ...\MSTA\074_XSECT_368+22_050.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

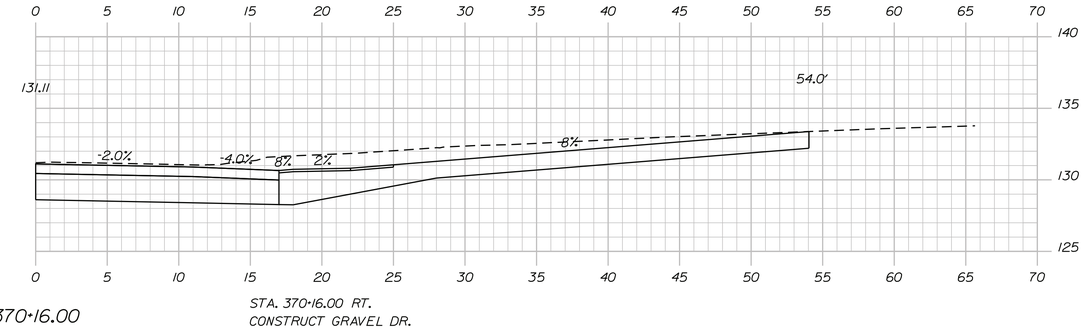
SHEET NUMBER

75

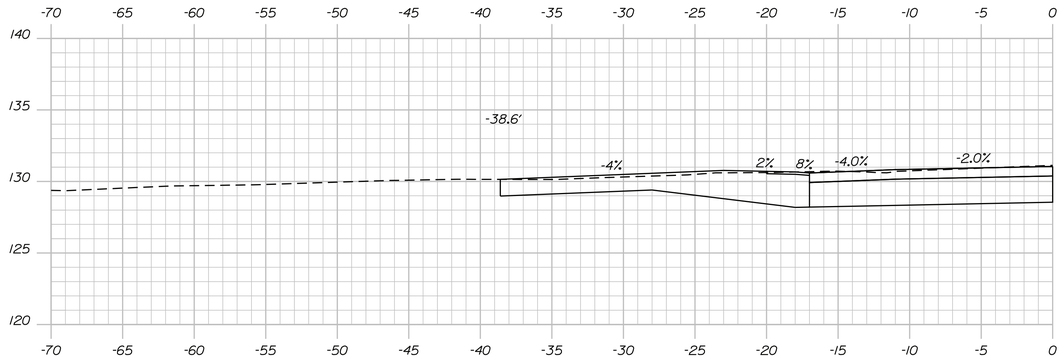
OF 87

Sta. 368+85.00 to Sta. 369+50.00

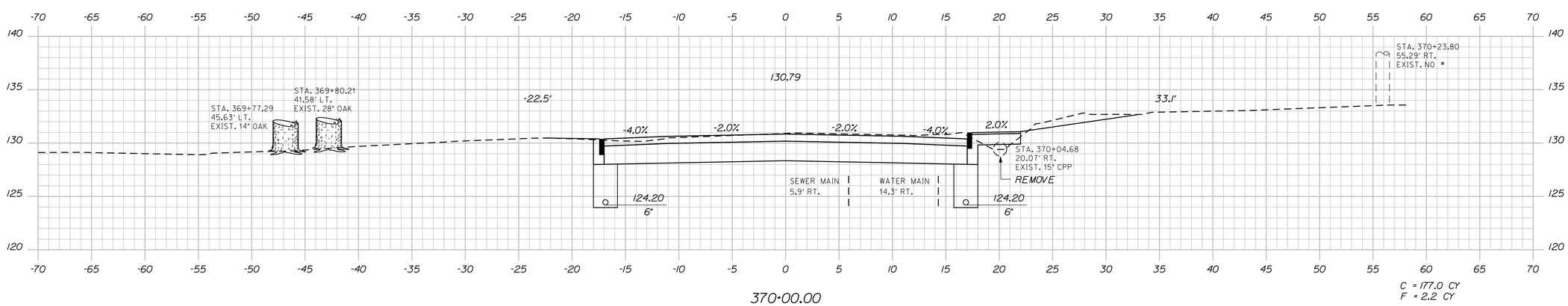
Filename: ...\MSTA\075_XSECT_368+85_051.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



370+16.00



370+13.00



370+00.00

C = 177.0 CY
F = 2.2 CY

Sta. 370+00.00 to Sta. 370+13.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	MAR 2014
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

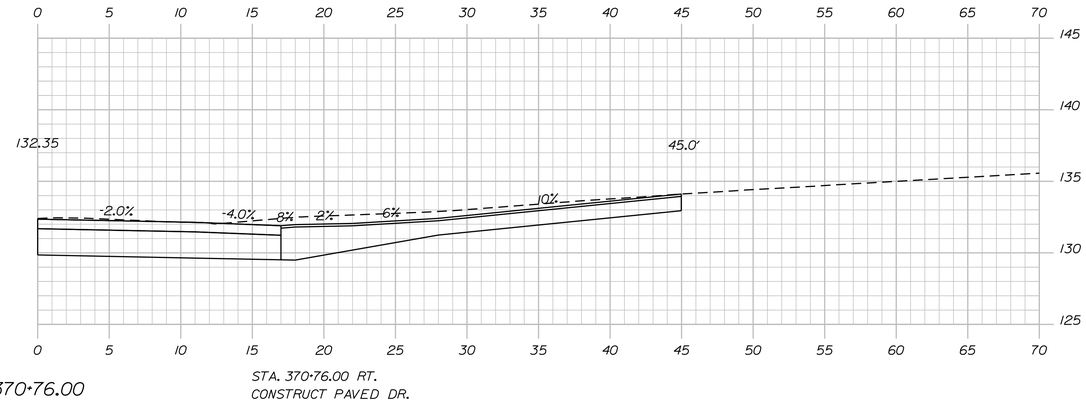
CROSS SECTIONS

SHEET NUMBER

76

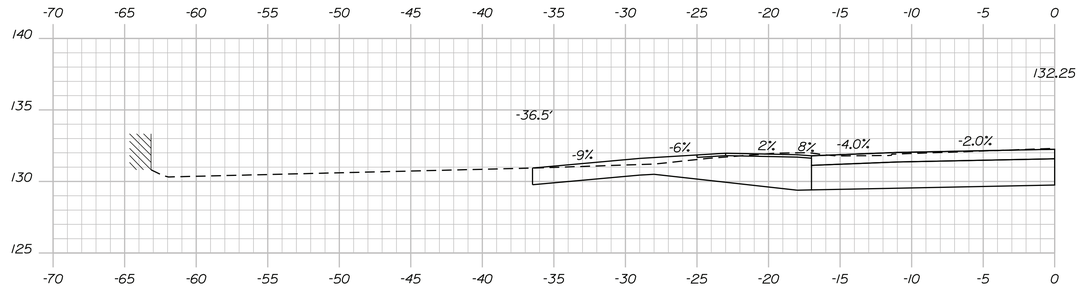
OF 87

Filename: ...\MSTA\076_XSECT_370+00_052.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015



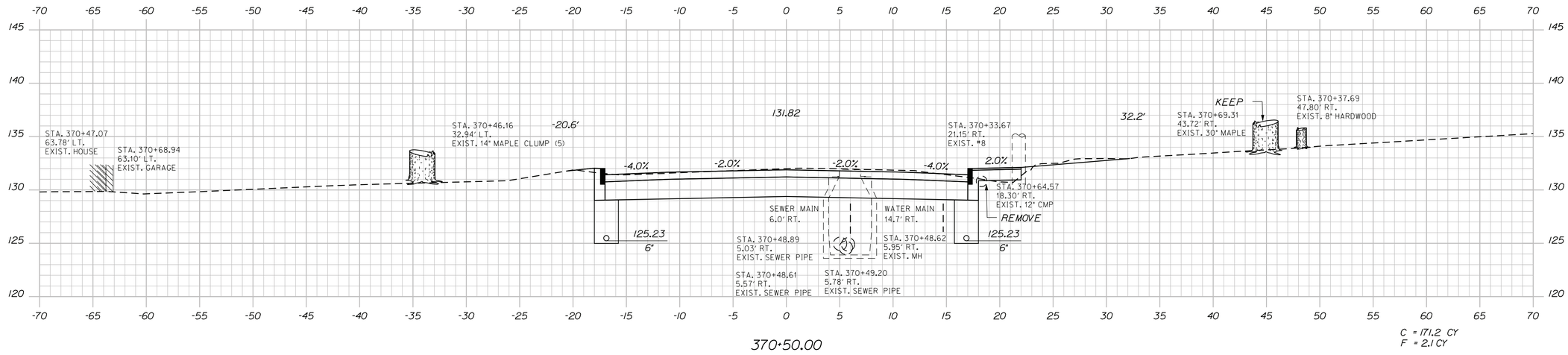
370+76.00

STA. 370+76.00 RT.
CONSTRUCT PAVED DR.



STA. 370+71.00 LT.
CONSTRUCT GRAVEL DR.

370+71.00



370+50.00

Sta. 370+50.00 to Sta. 370+73.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	MAR 2014
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

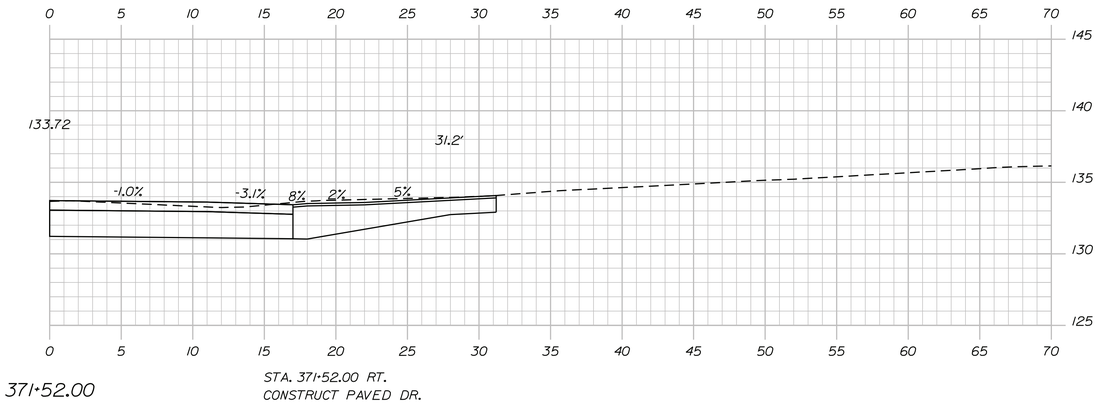
SHEET NUMBER

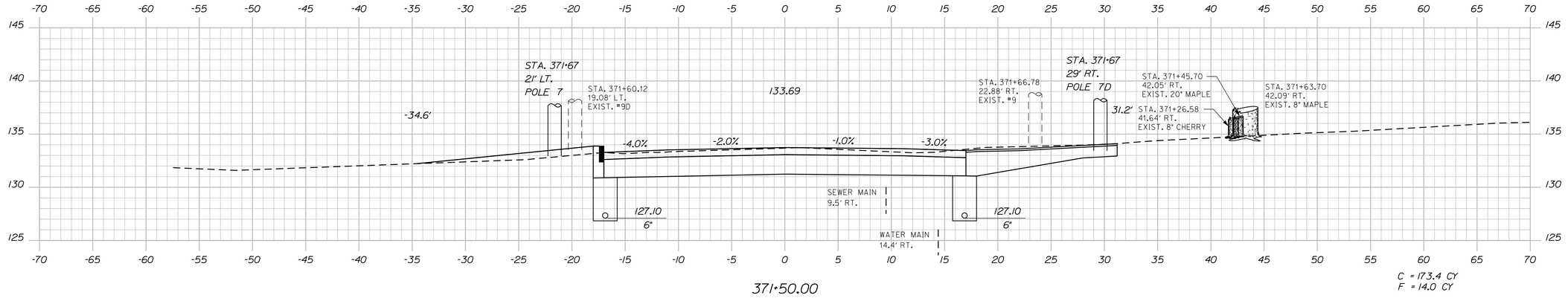
77

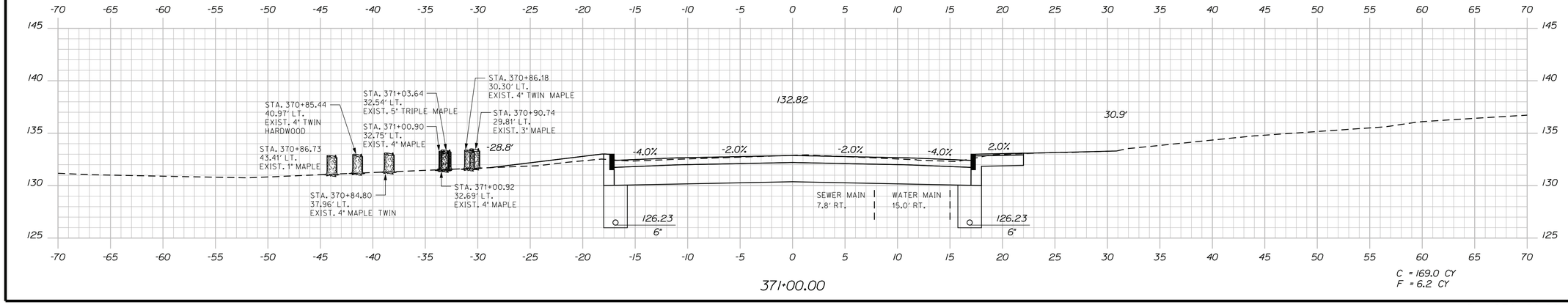
OF 87

Filename: ...\MSTA\077_XSECT_370+50_053.dgn Username: sterling.paul Division: HIGHWAY Date:12/4/2015

Filename: ...\MSTA\078_XSECT_371+00_054.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	S. PAUL	BY	S. PAUL
CHECKED-REVIEWED	S. PAUL	DATE	NOV 2015
DESIGN2-DETAILED2	------	SIGNATURE	------
DESIGN3-DETAILED3	------	P.E. NUMBER	MAR 2014
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------	DATE	------
REVISIONS 4	------		------
FIELD CHANGES	------		------

MILFORD
US ROUTE 2

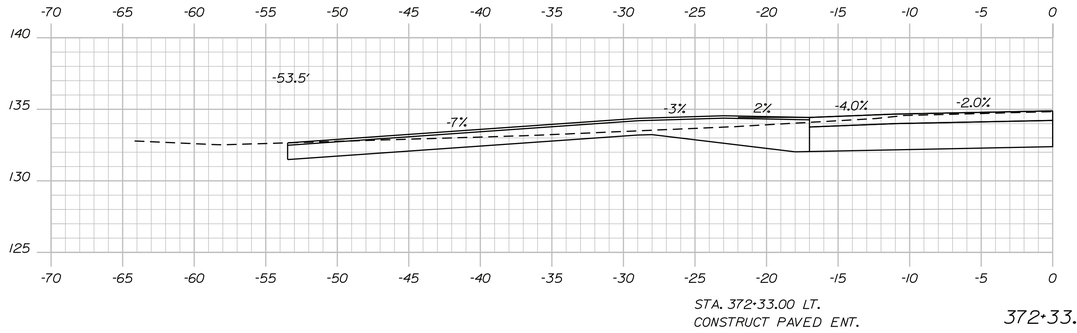
CROSS SECTIONS

SHEET NUMBER

78

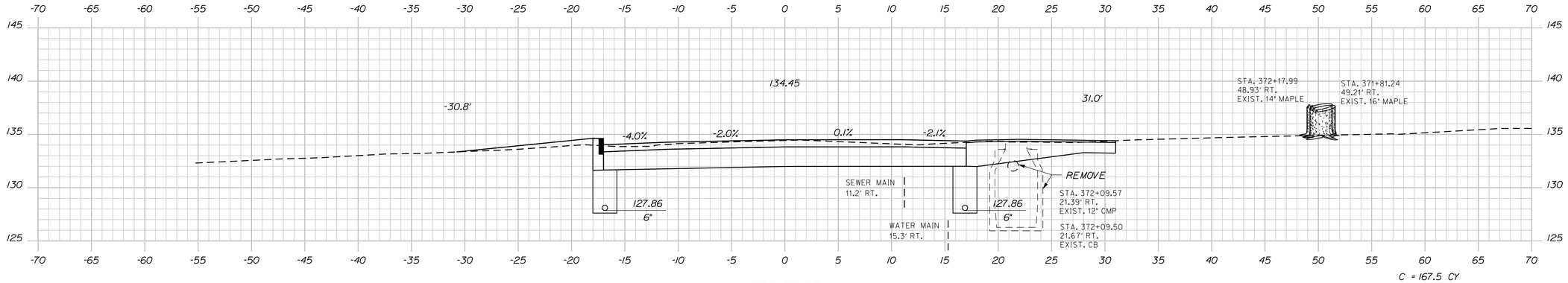
OF 87

Sta. 371+00.00 to Sta. 371+50.00



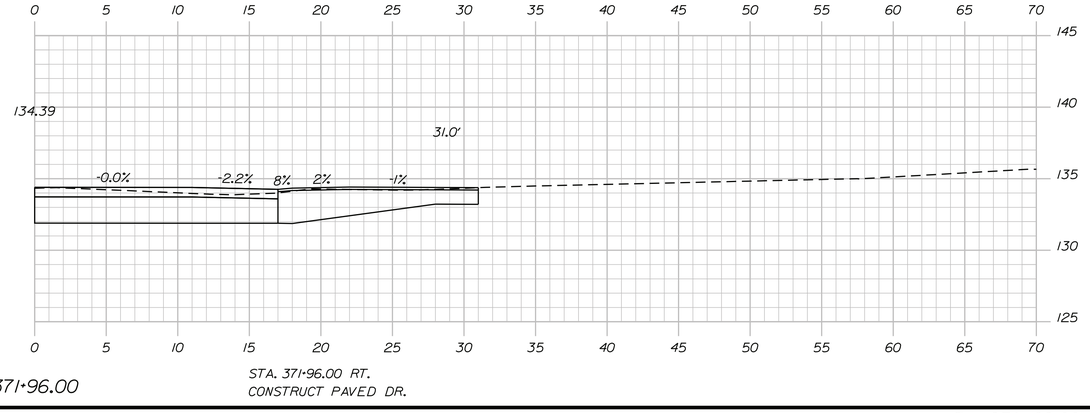
STA. 372+33.00 LT.
CONSTRUCT PAVED ENT.

372+33.00



372+00.00

C = 167.5 CY
F = 7.5 CY



371+96.00

STA. 371+96.00 RT.
CONSTRUCT PAVED DR.

Sta. 371+93.00 to Sta. 372+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		MAR 2014
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

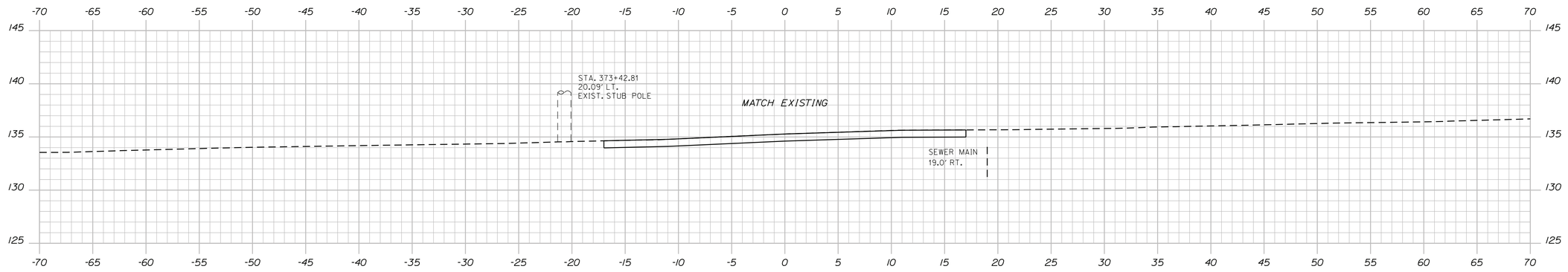
SHEET NUMBER

79

OF 87

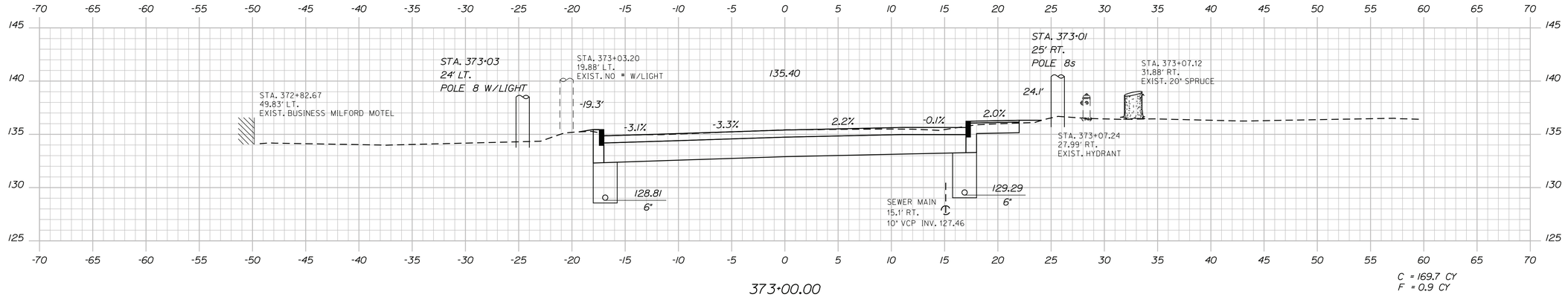
Filename: ...\MSTA\079_XSECT_371+93_055.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

Filename: ...\MSTA\080_XSECT_372+50_056.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015

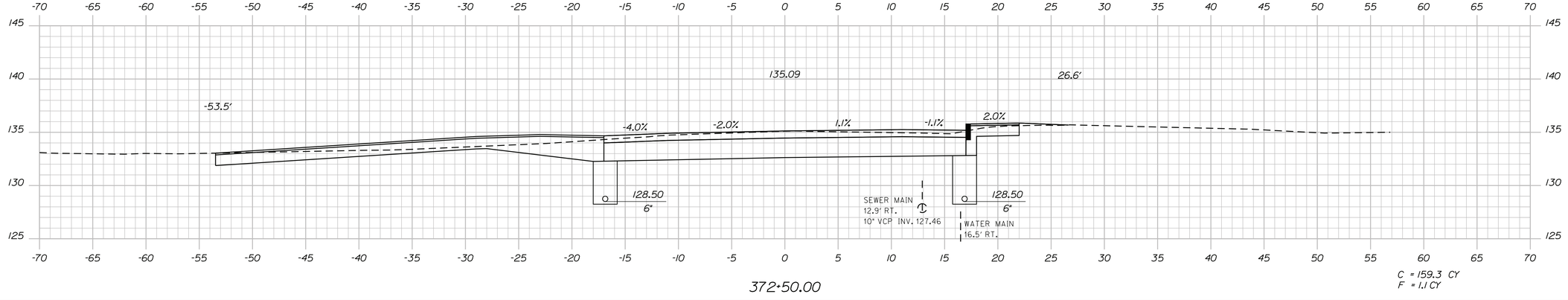


373+50.00

STA. 373+50.00
END PROJECT STP-1001(100)X
MATCH EXISTING



373+00.00



372+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER		R. MOULTON	
DESIGN-DETAILED		S. PAUL	NOV 2015
CHECKED-REVIEWED		S. PAUL	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			MAR 2014
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

MILFORD
US ROUTE 2

CROSS SECTIONS

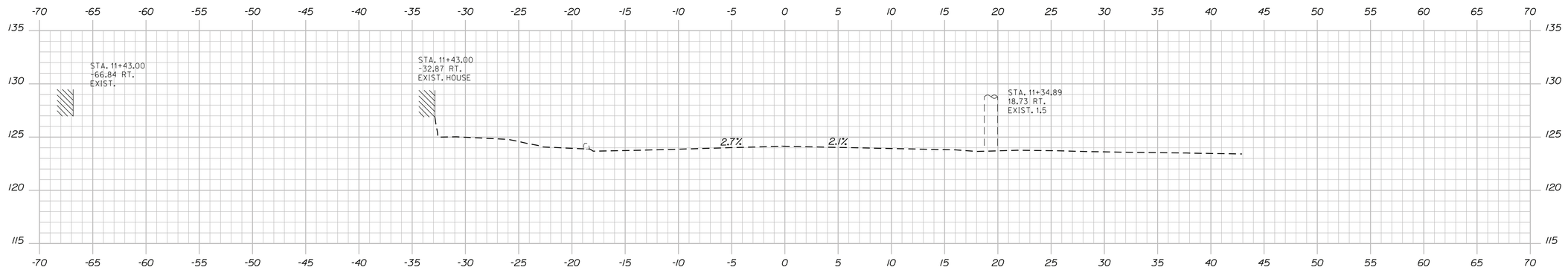
SHEET NUMBER

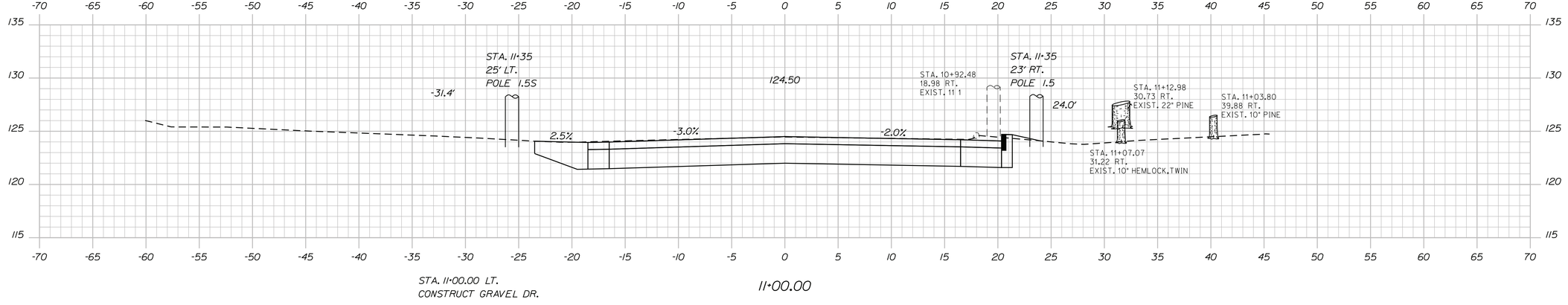
80

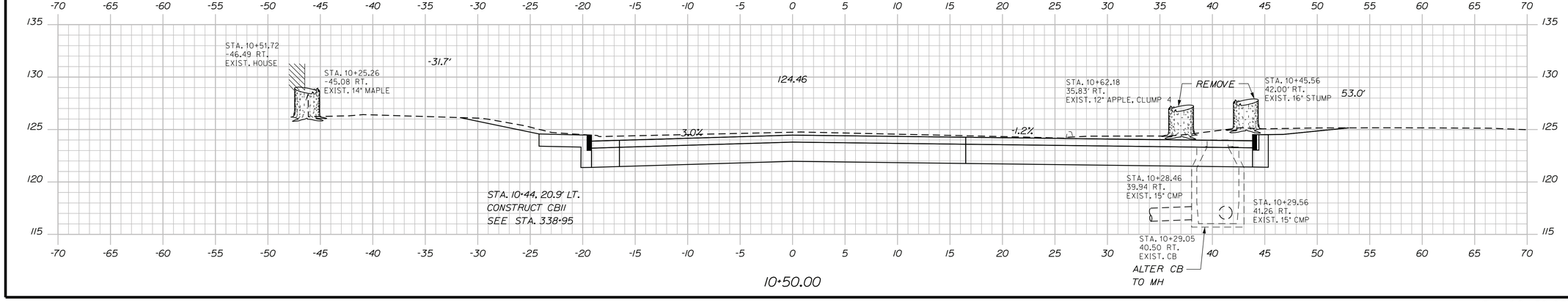
OF 87

Sta. 372+50.00 to Sta. 373+50.00

Filename: ...\MSTA\081_XSECT_10+50_057.dgn Division: HIGHWAY Username: sterling.paul Date:12/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1001(100)X

PIN
WIN 10011.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	S. PAUL	NOV 2015
CHECKED-REVIEWED	S. PAUL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

MAR 2014

MILFORD
US ROUTE 2

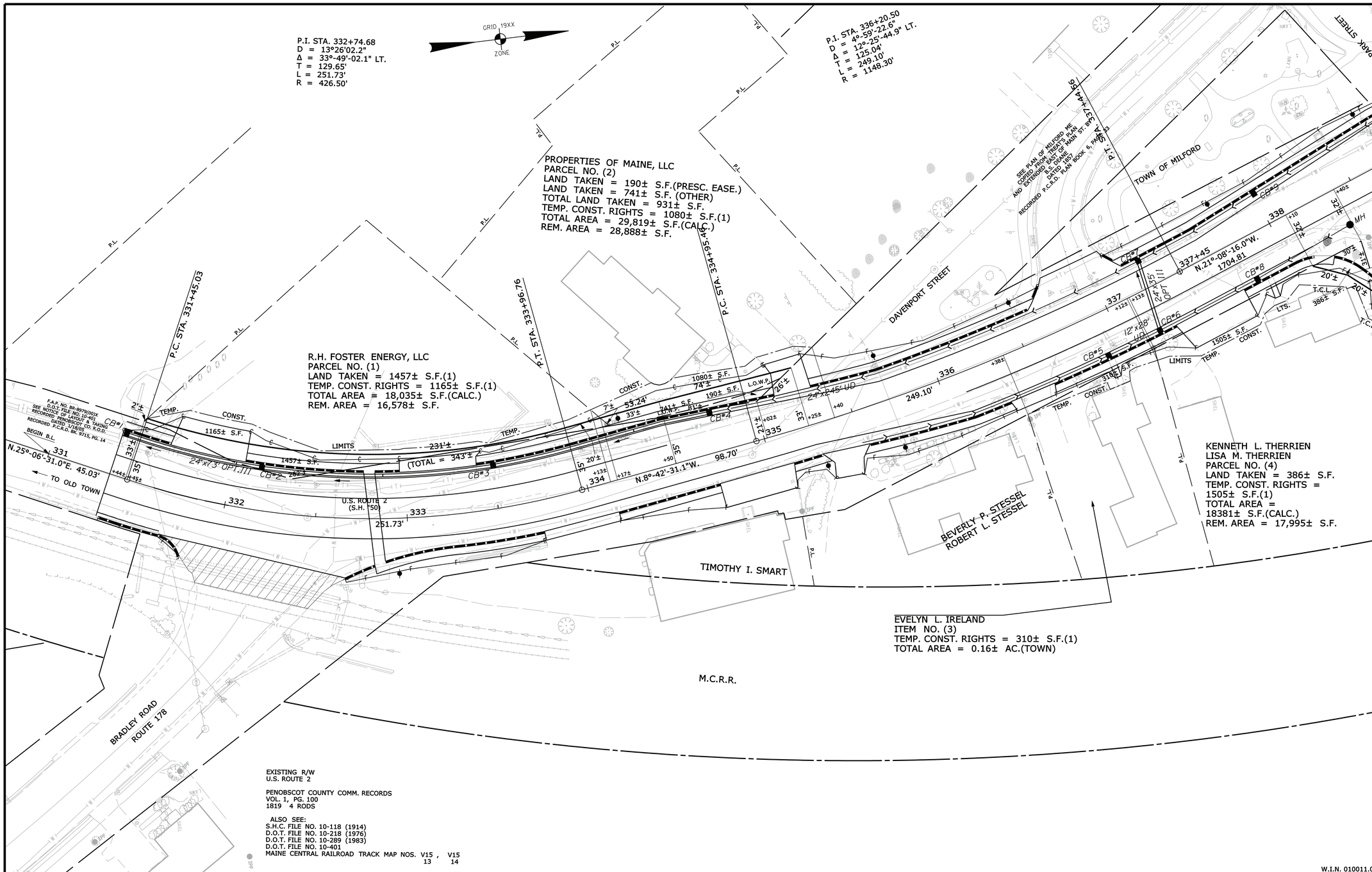
CROSS SECTIONS

SHEET NUMBER

81

OF 87

Sta. 10+50.00 to Sta. 11+43.00



EXISTING R/W
U.S. ROUTE 2

PENOBSCOT COUNTY COMM. RECORDS
VOL. 1, PG. 100
1819 4 RODS

ALSO SEE:
S.H.C. FILE NO. 10-118 (1914)
D.O.T. FILE NO. 10-218 (1976)
D.O.T. FILE NO. 10-289 (1983)
D.O.T. FILE NO. 10-401
MAINE CENTRAL RAILROAD TRACK MAP NOS. V15 , V15
13 14

W.I.N. 010011.00

SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊠ (ROW MONUMENT)
- ΔBM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- ○ WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	T.L.B.,JR.	C.R.M.
PROP. LINES	T.L.B.	
AREAS	T.L.B.	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

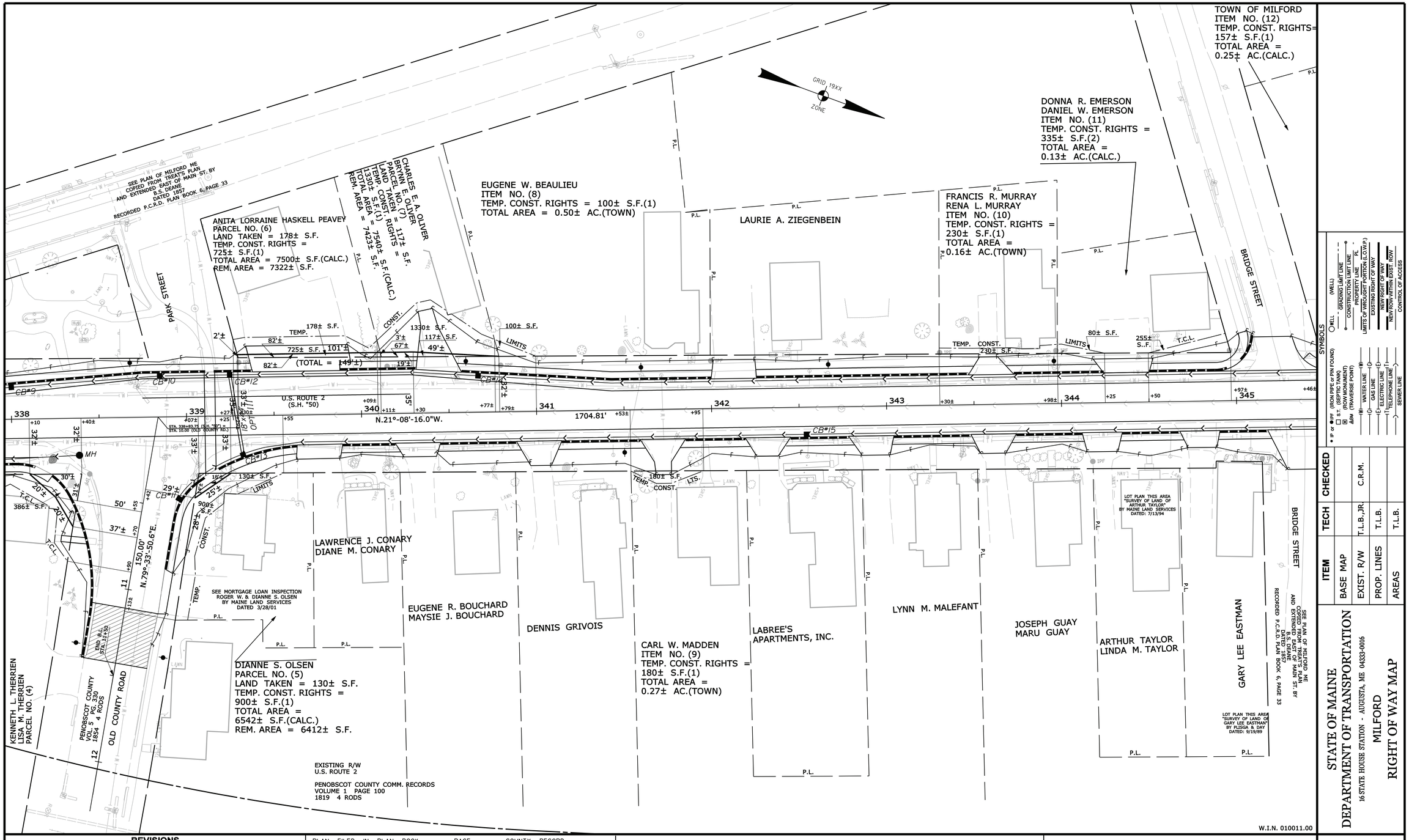
STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

JUNE 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 10-403
SCALE 1" = 25' | SHEET 1 OF 6

SHEET NUMBER
82
OF 87

Filename: ...\00\row\msta\201_RWPLAN1.dgn Division: ROW Username: terri.l.blair Date:11/23/2015

Filename: ...\00\row\msla\202_RWPLAN2.dgn Username: terri.blair Date:11/23/2015 Division: ROW



SYMBOLS

- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- (WELL)
- IP or ● IPF (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- DH (DRILL HOLE FOUND)
- ΔBM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	CHECKED	TECH
BASE MAP		
EXIST. R/W	C.R.M.	T.L.B.,JR.
PROP. LINES		T.L.B.
AREAS		T.L.B.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

W.I.N. 010011.00

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-403
SCALE 1" = 25'	SHEET 2 OF 6	

SHEET NUMBER
83
OF 87

Filename: ...\00\row\msto\203_RWPLAN3.dgn Username: terri.blair Date:11/23/2015 Division: ROW

TOWN OF MILFORD
ITEM NO. (12)
TEMP. CONST. RIGHTS=
157± S.F.(1)
TOTAL AREA =
0.25± AC.(CALC.)

HAMOUD ABDULMOHSEN FAHED AL MUTAWA
FAISAL ABDULHAMEED MANSOUR AL SARAF
ITEM NO. (15)
TEMP. CONST. RIGHTS =
295± S.F.(1)
TOTAL AREA =
0.14± AC.(TOWN)

GRID 19XX ZONE

CHARLES W. CURTIS, JR.
ITEM NO. (13)
TEMP. CONST. RIGHTS = 495± S.F.(1)
TOTAL AREA = 0.45± AC.(TOWN)

MAIN ROAD REDEMPTION, LLC
ITEM NO. (14)
TEMP. CONST. RIGHTS = 100± S.F.(1)
TOTAL AREA = 0.12± AC.(CALC.)

HAMOUD ABDULMOHSEN FAHED AL MUTAWA
FAISAL ABDULHAMEED MANSOUR AL SARAF

DAVID C. SPRUCE
ITEM NO. (17)
TEMP. CONST. RIGHTS =
190± S.F.(1)
TOTAL AREA =
0.24± AC.(TOWN)

LAWRENCE S. ROBBINS
ZENAIDA D. ROBBINS
ITEM NO. (18)
TEMP. CONST. RIGHTS =
240± S.F.(2)
TOTAL AREA =
0.16± AC.(TOWN)

LAWRENCE S. ROBBINS
ZENAIDA D. ROBBINS
ITEM NO. (19)
TEMP. CONST. RIGHTS =
235± S.F.(1)
TOTAL AREA =
5000± S.F.(OWNER)

DONNA L. ULMER
ITEM NO. (20)
TEMP. CONST. RIGHTS =
375± S.F.(1)
TOTAL AREA =
0.34± AC.(OWNER)

M & P REALTY, INC.
ITEM NO. (21)
TEMP. CONST. RIGHTS = 735± S.F.(1)
TOTAL AREA = 0.20± AC.(TOWN)

10' R/W TO OTHERS

MILL STREET

BRIDGE STREET

TEMP. LIMITS 157± S.F.
CONST. OF 495± S.F. WROUGHT LIMITS PORTION
100± S.F.
TEMP. CONST. LIMITS 295± S.F.
TEMP. CONST. LIMITS 190± S.F.
215± S.F.
25± S.F.
TEMP.
CONST. LIMITS 235± S.F.
375± S.F.
TEMP. CONST. LIMITS 735± S.F.

CB#16 CB#17 CB#18 CB#19 CB#20

15"x36" CMP

+97± 345 +46± +92± 346 +35± 347 +72± 348 +38± +72± 349 +30 +49± +65 350 +18± +81± 351 +61± 352 +33±

U.S. ROUTE 2
(S.H. "50")
N.21°-08'-16.0"W.
1704.81'

BRIDGE STREET

GARY LEE EASTMAN
SEE PLAN OF MILFORD ME
COPIED FROM TREAT'S PLAN
AND EXTENDED ALONG MAIN ST. BY
B.S. DEANE
DATED 1857
RECORDED P.C.R.D. PLAN BOOK 6, PAGE 33
LOT PLAN THIS AREA
SURVEY OF LAND OF
GARY LEE EASTMAN
BY PLISGA & DAY
DATED: 9/19/89

COLLEEN P. COMSTOCK

HAROLD DUBOIS
ONIDA DUBOIS

RICHARD L. LACADIE
ANITA E. LACADIE

MERTON LUGDON

DAMIEN LABREE

R/W TO OTHERS

TEMP. CONST. LIMITS 545± S.F.

BRUCE A. HAMEL
ITEM NO. (16)
TEMP. CONST. RIGHTS = 545± S.F.(1)
TOTAL AREA = 0.80± AC.(SURVEY)

HELEN ST. LOUIS
WILLIAM ST. LOUIS
SCOTT ST. LOUIS
RODNEY ST. LOUIS
LISA ST. LOUIS
LINDA RUNNELLS

RONALD J. C. GERARD

ROBERT L. LEIGHTON, JR.

EXISTING R/W
U.S. ROUTE 2

PENOBSCOT COUNTY COMM. RECORDS
VOLUME 1, PAGE 100
1819 4 RODS

W.I.N. 010011.00

SYMBOLS
- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP or ● IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- ⊞ DH (DRILL HOLE)
- ΔBM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		C.R.M.
EXIST. R/W	T.L.B., JR.	
PROP. LINES	T.L.B.	
AREAS	T.L.B.	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

JUNE 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-403
SCALE 1" = 25'	SHEET 3 OF 6	

SHEET NUMBER
84
OF 87

Filename: ...\00\row\mslo\204_RWPLAN4.dgn Username: terri.blair Date:11/23/2015 Division: ROW

RONALD B. MARR
ITEM NO. (22)
TEMP. CONST. RIGHTS = 265± S.F.(1)
TOTAL AREA = 0.50± AC.(TOWN)

M & P REALTY, INC.
ITEM NO. (21)
TEMP. CONST. RIGHTS = 735± S.F.(1)
TOTAL AREA = 0.20± AC.(TOWN)

SEE PLAN OF MILFORD ME COPIED FROM TREATS PLAN AND EXTENDED EAST OF MAIN ST. BY E.L. JOHNSON DATED 1857
RECORDED P.C.R.D. PLAN BOOK 6, PAGE 53

PENOBSCOT STREET

SANDRA ROBINSON

RANDALL A. MADDEN
JULIA A. MADDEN

P.I. STA. 355+39.61
D = 1°-47'-56.1"
Δ = 3°-14'-44.9" LT.
T = 90.24'
L = 180.43'
R = 3185.00'

P.C. STA. 354+49.37

DANIEL R. CURRAN
ITEM NO. (24)
TEMP. CONST. RIGHTS = 370± S.F.(1)
TOTAL AREA = 11,026± S.F.(CALC.)

DEANE A. CUNNINGHAM
~~ELIZABETH E. CUNNINGHAM~~
ITEM NO. (43)
TEMP. CONST. RIGHTS = 425± S.F.(1)
TOTAL AREA =

GRID 19XX ZONE

LOT PLAN THIS AREA "PLAN OF FERRY STREET" BY JAMES W. SEWALL COMPANY DATED 8/22/96

FERRY STREET

FIRST CONGREGATIONAL CHURCH OF MILFORD
PARCEL NO. (27)
LAND TAKEN = 236± S.F.(PRESC. EASE.)
TOTAL LAND TAKEN = 666± S.F.(OTHER)
TEMP. CONST. TAKEN = 902± S.F.
TOTAL AREA = 22,010± S.F.(CALC.)
REM. AREA = 980± S.F.(1)
REM. AREA = 21,108± S.F.

JEANNINE A. HASHEY
SHERRIE L. HASHEY
PARCEL NO. (28)

U.S. ROUTE 2 (S.H. "50")

N.21°-08'-16.0"W.
1704.81'
180.43'
288.38'
108.73'

265± S.F. LIMITS
735± S.F. TEMP. CONST.
370± S.F. TEMP. CONST.
425± S.F. LIMITS
980± S.F. TEMP. CONST.
1066± S.F. LIMITS
236± S.F.
101± S.F.
135± S.F. TEMP. CONST. LIMITS
850± S.F. TEMP. CONST.
68± S.F.
61± S.F. LIMITS
70 S.F.
7± S.F.
15'± TEMP. CONST. LTS. 60± S.F.
(TOTAL = 612'±)
1062± S.F.

CB#21

352 353 354 355 356 357 358 359

P.I. STA. 359+18.18
P.T. STA. 359+29.80
P.R.C. STA. 359+47.37

BARRY A. BROWN
PARCEL NO. (25)
LAND TAKEN = 68± S.F.(PRESC. EASE.)
LAND TAKEN = 61± S.F.(OTHER)
TOTAL LAND TAKEN = 129± S.F.
TEMP. CONST. RIGHTS = 850± S.F.(1)
TOTAL AREA = 33,657± S.F.(CALC.)
REM. AREA = 33,528± S.F.

ROBERT H. CORMIER
BETTY A. CORMIER
ITEM NO. (23)
TEMP. CONST. RIGHTS = 135± S.F.(1)
TOTAL AREA = 0.31± AC.(TOWN)

LOT PLAN THIS AREA "PLAN OF SURVEY FOR M.D. & P.J. BEANE" OCT. 1987

GEORGE H. EYERER
RUDOLPH EVERER

ABBOTT HILL CORP.

BONNET S. HOWELLS MCCAFFREY

ROBERT L. LEIGHTON, JR.

EXISTING R/W
U.S. ROUTE 2

PENOBSCOT COUNTY COMM. RECORDS
VOLUME 1, PAGE 100
1819 4 RODS

PENOBSCOT COUNTY RECORDS
VOLUME 6, PAGE 440
1857 3 RODS

SARAH J. DYER
PARCEL NO. (26)
LAND TAKEN = 70± S.F.(PRESC. EASE.)
LAND TAKEN = 7± S.F.(OTHER)
TOTAL LAND TAKEN = 77± S.F.
TEMP. CONST. RIGHTS = 60± S.F.(1)
TOTAL AREA = 3649± S.F.(CALC.
REM. AREA = 3572± S.F.

P.I. STA.
D = 12°-19'-18"
Δ = 35°-31'-59.6" RT.
T = 149.00'
L = 288.38'
R = 465.00'

CALL ROAD

LARRY MCGREGOR

JOLENE DERRING

AARON G. DUNN

DANIEL LEGERE

W.I.N. 010011.00

SYMBOLS
WELL (WELL)
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE PL
LIMITS OF WROUGHT PORTION (L.O.W.P.)
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
IP or ● IPF (IRON PIPE or PIN FOUND)
S.T. (SEPTIC TANK)
B.M. (BENCH MARK)
WATER LINE W
GAS LINE G
ELECTRIC LINE E
TELEPHONE LINE T
SEWER LINE S

ITEM	CHECKED	TECH
BASE MAP		
EXIST. R/W		T.L.B.,JR.
PROP. LINES		T.L.B.
AREAS		T.L.B.

C.R.M.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

JUNE 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-403
SCALE 1" = 25'	SHEET 4 OF 6	

SHEET NUMBER
85
OF 87

Filename: ...\00\row\msta\205_RWPLAN5.dgn Division: ROW Username: terri.blair Date:11/23/2015

JEANNINE A. HASHEY
SHERRIE L. HASHEY
PARCEL NO. (28)
LAND TAKEN = 1062± S.F.(PRESC. EASE.)
LAND TAKEN = 937± S.F.(OTHER)
TOTAL LAND TAKEN = 1999± S.F.
TEMP. CONST. RIGHTS = 1675± S.F.(1)
TOTAL AREA = 14,750± S.F.(CALC.)
REM. AREA = 12,751± S.F.

CHARLES H. NORBURG
PARCEL NO. (29)
LAND TAKEN = 126± S.F.(PRESC. EASE.)
LAND TAKEN = 247± S.F.(OTHER)
TOTAL LAND TAKEN = 373± S.F.
TEMP. CONST. RIGHTS = 920± S.F.(1)
TOTAL AREA = 1.1± AC.(OWNER)
REM. AREA = 1.09± AC.

ROGER A. HARVEY
PARCEL NO. (30)
LAND TAKEN = 84± S.F.(PRESC. EASE.)
LAND TAKEN = 405± S.F.(OTHER)
TOTAL LAND TAKEN = 489± S.F.
TEMP. CONST. RIGHTS = 570± S.F.(1)
TOTAL AREA = 8137± S.F.(CALC.)
REM. AREA = 7648± S.F.

PENOBSCOT RIVER

TOWN OF MILFORD
PARCEL NO. (32)
LAND TAKEN = 102± S.F.
DRAINAGE EASEMENT = 1868± S.F.(1)
TOTAL AREA = 1970± S.F.(CALC.)
REM. AREA = 1868± S.F.

OUTLET DRAINAGE STRUCTURE
STA. 363+55 TO
STA. 363+82 LT.

DAVID B. NELSON
VICKIE G. NELSON
ITEM NO. (35)
TEMP. CONST. RIGHTS = 955± S.F.(1)
TOTAL AREA = 0.25± AC.(TOWN)

ROGER A. HARVEY
PARCEL NO. (31)
LAND TAKEN = 549± S.F.
TEMP. CONST. RIGHTS = 1370± S.F.(1)
TOTAL AREA = 9364± S.F.(CALC.)
REM. AREA = 8815± S.F.

JOHN J. VAILLANCOURT
THERESA G. VAILLANCOURT
ITEM NO. (33)
TEMP. CONST. RIGHTS =
0.06± AC.(1)
TOTAL AREA = 0.29± AC.(TOWN)

JOLENE DERRING
P.T. STA. 359+18.18
AARON G. DUNN
DANIEL LEGERE
MARY JOYCE ANITA PERRY
HUME REALTY TRUST
ALFRED SMITH
KARL W. LAURENOVICS
ANGELICA B. VICNAIRE

MICHAEL J. HIGGINS
CYNTHIA M. HIGGINS
ITEM NO. (34)
TEMP. CONST. RIGHTS = 180± S.F.(1)
TOTAL AREA = 0.52± AC.(TOWN)

EXISTING R/W
U.S. ROUTE 2

PENOBSCOT COUNTY COMM. RECORDS
VOLUME 1, PAGE 100
1819 4 RODS

U.S. ROUTE 2 (S.H. "50")
N.11°-08'-58.7"E.
1345.53'

SYMBOLS
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP or ●IPF (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- DH (DRILL HOLE)
- ΔBM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- S SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		C.R.M.
EXIST. R/W	T.L.B.,JR.	
PROP. LINES	T.L.B.	T.L.B.
AREAS	T.L.B.	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

W.I.N. 010011.00

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE	COUNTY RECORD			
NO.	GRANTOR		INSTRUMENT	DATE	BOOK	PAGE
			COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

JUNE 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-403
SCALE 1"= 25'	SHEET 5 OF 6	

SHEET NUMBER
86
OF 87

Filename: ...\00\row\msto\206_RWPLAN6.dgn Username: terri.blair Division: ROW Date:11/23/2015

GRID, 19XX ZONE

PENOBSCOT RIVER

PENOBSCOT RIVER

APPROX. SHORE LINE

APPROX. SHORE LINE

NOTE:
FOR ITEM NO. (43) SEE SHEET NO. 4

JAMES W. KING
MARY S. KING
ITEM NO. (36)
TEMP. CONST. RIGHTS = 2395± S.F.(1)
TOTAL AREA = 0.20± AC.(TOWN)

FIRST CONGREGATIONAL CHURCH
OF MILFORD
ITEM NO. (37)
TEMP. CONST. RIGHTS = 725± S.F.(1)
TOTAL AREA = 0.30± AC.(TOWN)

MAURICE A. DOYON
RUTH DOYON
ITEM NO. (39)
TEMP. CONST. RIGHTS = 745± S.F.(1)
TOTAL AREA = 13,338± S.F.(OWNER)

LOUISE V. JOHNSTON
ITEM NO. (40)
TEMP. CONST. RIGHTS = 545± S.F.(2)
TOTAL AREA = 0.50± AC.(OWNER)

LAWRENCE ZEITLIN
JAYNE ZEITLIN
ITEM NO. (42)
TEMP. CONST. RIGHTS = 2005± S.F.(1)
TOTAL AREA = 1.9± AC.(OWNER)

P.I. STA. 373+66.13
D = 3°-56'-16.2"
Δ = 8°-03'-11.9" LT.
T = 102.42'
L = 204.51'
R = 1455.00'

P.C. STA. 372+63.71

CONST. TEMP. LIMITS 2395± S.F. 955± S.F. 725± S.F. 745± S.F. 340± S.F. 205± S.F. 2005± S.F.

CB#28 CB#29

366 +21± 367 +20± 368 +39± +40 +75 369+10 +95 370 +45 +55 +83± 371 +05 372 +90 373 61.29'

U.S. ROUTE 2 (S.H. "50")

N.11°-08'58.7"E. 1345.53'

END B.L. 373+25

U.S. ROUTE 2 (S.H. "50")

R/W TO OWNERS

ALFRED SMITH

VERA P. AMBROSE

WILFRED EMMETT KING
ITEM NO. (38)
TEMP. CONST. RIGHTS = 1755± S.F.(2)
TOTAL AREA = 1.23± AC.(DEED)

DANIEL M. CROSS
HELGA A. CROSS
ITEM NO. (41)
TEMP. CONST. RIGHTS = 845± S.F.(2)
TOTAL AREA = 0.75± AC.(OWNER)

HAROLD W. HOPKINS
JANE A. HOPKINS

SHIRLEY R. BRADEEN
NANCY J. BRADEEN

545± S.F. 1210± S.F. 110± S.F. 735± S.F.

EXISTING R/W
U.S. ROUTE 2

PENOBSCOT COUNTY COMM. RECORDS
VOLUME 1, PAGE 100
1819 4 RODS

W.I.N. 010011.00

SYMBOLS

- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF VROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP or ● IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- DH (DRILL HOLE)
- ΔBM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	CHECKED
BASE MAP	C.R.M.
EXIST. R/W	T.L.B.,JR.
PROP. LINES	T.L.B.
AREAS	T.L.B.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
MILFORD
RIGHT OF WAY MAP

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE		COUNTY RECORD			
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	11/17/15	14011	177

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "50"
U.S. ROUTE 2
MILFORD PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1001(100)X

JUNE 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 10-403
SCALE 1" = 25'	SHEET 6 OF 6	

SHEET NUMBER
87
OF 87

WATER AND SANITARY SEWER IMPROVEMENTS
MDOT WIN 10011.00

US ROUTE 2

MILFORD, PENOBSCOT COUNTY, MAINE

STATE OF MAINE
Nathan Gustafson
13589
11/19/2015
LICENSED PROFESSIONAL ENGINEER

NOVEMBER 2015

PROJECT LOCATION

INDEX OF DRAWINGS

CIVIL

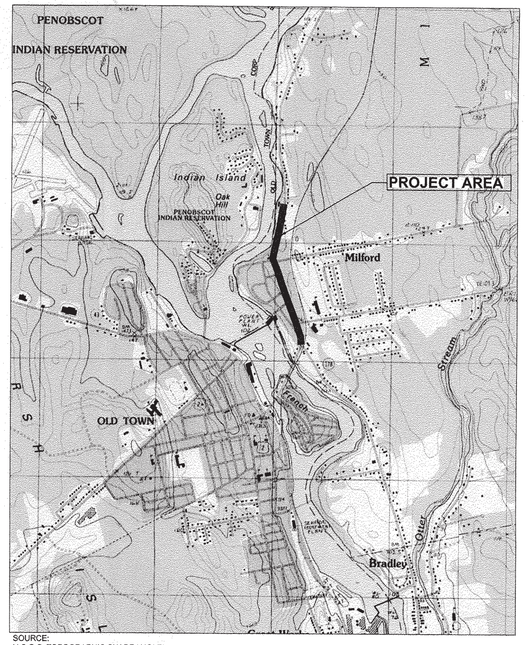
C101 SANITARY SEWER SYSTEM IMPROVEMENTS
C102 SANITARY SEWER SYSTEM IMPROVEMENTS
C103 WATER SYSTEM IMPROVEMENTS
C104 WATER SYSTEM IMPROVEMENTS

C501 WATER AND SANITARY SEWER SYSTEM NOTES AND DETAILS

CES INC

ENGINEERS • ENVIRONMENTAL SCIENTISTS • SURVEYORS

465 So. Main Street, P.O. Box 639, Brewer, ME 04412 Tel: 207-989-4824 Fax 207-989-4881
1366 State Highway 102, Bar Harbor, ME 04609 Tel: 207-288-0587 Fax 207-288-0588
61 Dublin Street. P.O. Box 587, Machias, ME 04654 Tel: 207-255-3270 Fax 207-255-8367
549 Main Street, P.O. Box 827, Presque Isle, ME 04769 Tel: 207-764-8412 Fax: 207-764-8414
44 Main Street, Suite 204, Waterville, ME 04903 Tel: 207-680-2202 Fax: 207-680-2204
640 Main Street, Lewiston, ME 04240 Tel: 207-795-6009 Fax: 207-795-6128



SOURCE:
U.S.G.S. TOPOGRAPHIC QUADRANGLE

SITE LOCATION

NOTE:
EXISTING SS MAIN BETWEEN ESMH3 AND ESMH10 IS VITRIFIED CLAY PIPE THAT HAS A CURED-IN-PLACE PIPE LINER.

PLAN REFERENCE:
EXISTING / PROPOSED CONDITIONS INFORMATION BASED ON MDOT WIN 10011.00 AND SHOULD BE USED FOR REFERENCE ONLY. REFER TO MDOT WIN 10011.00 DESIGN PLANS.

MDOT RECONSTRUCTION LIMITS, TYP.

ESMH1 ADJUST TO GRADE

ESMH2 ADJUST TO GRADE

ESMH3 ADJUST TO GRADE

ESMH4 ADJUST TO GRADE

EXISTING 15" PVC SS MAIN (TO REMAIN)

EXISTING 8" PVC SS MAIN (TO REMAIN)

EXISTING LINED 8" VCP SS MAIN (TO REMAIN)

EXISTING 8" LINED VCP SS MAIN (TO REMAIN)

EXISTING 18" LINED VCP SS MAIN (TO REMAIN)

REPLACE EXISTING 4" OR 6" SS SERVICES WITH SDR 35 PVC IN EXISTING CIPP LINED VC SS MAIN FROM ESMH1 TO ESMH10 USING INSERT-A-TEE FITTINGS. MATCH EXISTING SS SERVICE SIZE AND REPLACE FROM EXISTING MAIN TO R.O.W. OR AS SHOWN (TYP)

ESMH5 ADJUST TO GRADE

EXISTING 12" VCP SS MAIN (TO REMAIN)

EXISTING 12" LINED VCP SS MAIN (TO REMAIN)

MATCH LINE

DAVENPORT STREET

ROUTE 2 (MAIN STREET)

U.S. ROUTE 2 (S.H. "50")

R.H. FOSTER ENERGY, LLC

EUGENE W. BEAUDET

ANITA LORRAINE HASKELL PEAVEY

CHARLES E.A. OLIVER
BYRNE E. OLIVER

TOWN OF MILFORD

TIMOTHY I. SMART

BEVERLY P. STESSEL
ROBERT L. STESSEL

EVELYN F. IRELAND

COULOMBE DRIVE

BRIDGE STREET

MILL STREET

ESMH6 ADJUST TO GRADE

ESMH7 ADJUST TO GRADE

ESMH8 ADJUST TO GRADE

ESMH9 ADJUST TO GRADE

EXISTING SMH TO REMAIN, UNLESS OTHERWISE NOTED. ADJUST GRADE TO MATCH PROPOSED ELEVATION PER MDOT ROADWAY IMPROVEMENTS (TYP)

EXISTING 10" LINED VCP SS MAIN (TO REMAIN)

EXISTING 12" LINED VCP SS MAIN (TO REMAIN)

REPLACE EXISTING 4" OR 6" SS SERVICES WITH SDR 35 PVC IN EXISTING CIPP LINED VC SS MAIN FROM ESMH1 TO ESMH10 USING INSERT-A-TEE FITTINGS. MATCH EXISTING SS SERVICE SIZE AND REPLACE FROM EXISTING MAIN TO R.O.W. OR AS SHOWN (TYP)

LABREE'S APARTMENTS, INC.

CARL W. MADDEN

LYNN M. MALEFANT

JOSEPH QUAY
MARU QUAY

ARTHUR TAYLOR
LINDA M. TAYLOR

GARY LEE EASTMAN

COLLEEN P. COMSTOCK

DAMIEN LABREE

MERTON LUGDON

WEBBER OIL COMPANY

R/W TO OTHERS

BONNET S. HOWELLS MCCAFFREY

RONALD J. C. GERARD

ROBERT L. LEIGHTON, JR.
TM 23 L 68
PP 42

LAURIE A. ZIEGENBEIN

FRANCIS R. MURRAY
RENA L. MURRAY

DONNA R. EMERSON
DANIEL W. EMERSON

CHARLES W. CURTIS, JR.

DAVID C. SPRUCE

LAWRENCE S. ROBBINS
ZENAIDA D. ROBBINS

DONNA L. ULMER

EVELYN G. MAYHEW
RONALD B. MARR

PARK STREET

FERRY STREET

RANDALL A. MADDEN
JULIA A. MADDEN
TM 23 L 123
PP 48

ESMH10 SEWER MANHOLE RIM ELEV. 141.74 INV. IN 134.59' INV. OUT 134.59'

P-SMH 7
STA: 353+67.50
OFFSET: 1.52R
RIM: 141.74
INV. IN: 134.59
INV. OUT: 134.59

PROPOSED 8" SDR 35 PVC SS MAIN
L: 280 LF / S: 0.021

ESMH11 SEWER MANHOLE RIM ELEV. 147.59' INV. IN 140.39' INV. OUT 140.39'

P-SMH 8
STA: 355+95.30
OFFSET: 5.45R
RIM: 147.59
INV. IN: 140.39
INV. OUT: 140.39

BARRY A. BROWN

ROBERT CORMIER
BETTY CORMIER

SARAH J. DYER

ARTHUR R. TAYLOR
LINDA M. TAYLOR

GEORGE H. EYERER
RUDOLPH EVERER
TM 23 L 65

ABBOTT HILL CORP.

CALL ROAD

JEANNINE A. HASHEY
SHERRIE L. HASHEY

P-SMH 6
STA: 359+63.18
OFFSET: 7.83R
RIM: 141.49
INV. OUT: 134.75

ROGER A. HARVEY

SEWER MANHOLE RIM ELEV. 121.43' INV. IN 112.68' INV. OUT 112.68'

EXISTING 12" SDR 35 PVC SS MAIN TO REMAIN

P-SMH 1
STA 362+68.76
OFFSET: 9.68R
RIM: 124.47
INV. IN: 113.90(N)
INV. IN: 113.90(NE)
INV. IN: 113.90(S)
INV. OUT: 113.90(W)

PROPOSED 8" SDR 35 PVC SS MAIN
L: 300 LF / S: 0.0695

ESMH12 SEWER MANHOLE RIM ELEV. 124.57' INV. IN 113.90 INV. IN 113.90 INV. OUT 113.90

EXISTING 6" VCP SS MAIN (ABANDONED)

AARON C. DUNN

DANIEL LECLERC

MARY JOYCE ANITA PERRY

ROUTE 2 (MAIN ROAD)

MATCH LINE C102

IN THE EVENT THAT DISCREPANCIES OR CONFLICTS BETWEEN MAINEDOT SPECIFICATIONS, SPECIAL PROVISIONS, AND PLANS OCCUR WITH THE WATER AND SANITARY SEWER UTILITIES SPECIFICATIONS, SPECIAL PROVISIONS AND PLANS, MAINEDOT OR MORE RESTRICTIVE SHALL PREVAIL.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

Waterville
44 Main Street
Suite 204
Waterville, ME
T.207-680-2202
F.207-680-2204

Lewiston
65 Pine Street
Lewiston, ME
T.207-795-6019
F.207-795-4106

Presque Isle
549 Main Street
PO Box 827
Presque Isle, ME
T.207-764-6412
F.207-764-6414

Bar Harbor
85 Main Hwy 102
Bar Harbor, ME
T.207-288-0587
F.207-288-0588

Bangor
465 South Main Street
PO Box 839
Bangor, ME
T.207-989-4824
F.207-989-4881

Machias
35 Center Street
PO Box 587
Machias, ME
T.207-255-8370
F.207-255-8367

CES INC
Engineers • Environmental Scientists • Surveyors

PROJECT TITLE
WATER & SANITARY SEWER IMPROVEMENTS MDOT WIN 10011.00
US ROUTE 2, MAIN STREET, MILFORD, MAINE

SHEET TITLE
SANITARY SEWER SYSTEM IMPROVEMENTS

NO	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R1				
R2				
R3				
R4				
R5				
R6				
R7				

STATE OF MAINE
Nathan Gustafson
13589
11/18/2015
LICENSED PROFESSIONAL ENGINEER

SCALE	1"=40'
DATE	2015-11-13
DRAWN BY	WAB
CHECKED BY	NAG
DESIGNED BY	
APPROVED BY	
JOB NUMBER	6241
DRAWING NUMBER	C101

P:\MDOT\PCF_JOBS\6000-6999\6200-6299\6241-MILFORD - TOWN OF MILFORD - ROUTE 2 PIONEERING DESIGN\CIVIL\CAD\DRAWINGS\Civil\--6241\DWG\DGN_DWG\6241-C-PP.DWG, 11/13/2015 11:12 AM

WATER & SANITARY SEWER IMPROVEMENTS MDOT WIN 10011.00
US ROUTE 2, MAIN STREET, MILFORD, MAINE

SANITARY SEWER SYSTEM IMPROVEMENTS

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Brewer, 465 South Main Street, PO Box 639, Brewer, ME, T.207-989-4824, F.207-989-4881
Presque Isle, 549 Main Street, PO Box 827, Presque Isle, ME, T.207-764-8412, F.207-764-8414
Waterville, 44 Main Street, Suite 204, Waterville, ME, T.207-680-2202, F.207-680-2204
Machias, 61 Dublin Street, PO Box 587, Machias, ME, T.207-255-3270, F.207-255-8367
Bar Harbor, 1366 State Hwy 102, Bar Harbor, ME, T.207-288-0587, F.207-288-0588
Lewiston, 640 Main Street, Lewiston, ME, T.207-795-6009, F.207-795-6128

STATE OF MAINE — Nathan Gustafson — 13589 — 11/18/2015 — LICENSED PROFESSIONAL ENGINEER

SCALE	1"=40'
DATE	2015-11-13
DRAWN BY	WAB
CHECKED BY	NAG
DESIGNED BY	
APPROVED BY	
JOB NUMBER	6241
DRAWING NUMBER	C102

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PLAN REFERENCE:

EXISTING / PROPOSED CONDITIONS INFORMATION BASED ON MDOT WIN 10011.00 AND SHOULD BE USED FOR REFERENCE ONLY. REFER TO MDOT WIN 10011.00 DESIGN PLANS.

EXISTING 8" GATE VALVE TO REMAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN
30 LF OF PROPOSED 8" DI WATER MAIN
PROPOSED 12" SOLID SLEEVE COUPLING
PROPOSED 12" SOLID SLEEVE COUPLING
PROPOSED 12" GATE VALVE
PROPOSED 12" GATE VALVE
PROPOSED 12" x 12" x 8" DI TEE

PROPOSED 12" SOLID SLEEVE COUPLING
CAP AND ABANDON EXISTING 6" CI WATER MAIN
PROPOSED 12" x 12" x 8" DI TEE
PROPOSED 12" GATE VALVE
PROPOSED 12" SOLID SLEEVE COUPLING
PROPOSED 12" GATE VALVE TO REPLACE EXISTING GATE VALVE
19 LF OF PROPOSED 8" DI WATER MAIN
PROPOSED 8" GATE VALVE
PROPOSED 8" x 6" DI REDUCER TO REPLACE EXISTING 6" GATE VALVE

ABANDON EXISTING 6" CI WATER MAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN, TYP.
EXISTING 8" DI WATER MAIN
ABANDON EXISTING 6" CI WATER MAIN
REPLACE EXISTING WATER SERVICE AND SHUTOFF, TYP.
ABANDON EXISTING 6" CI WATER MAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN
EXISTING 12" DI WATER MAIN (TO REMAIN)
CONNECT EXISTING 12" DI WATER MAIN TO 6" CI WATER MAIN ON COUNTY ROAD AND REMOVE EXISTING CROSS TIE BETWEEN EXISTING WATER MAINS
EXISTING 6" CI WATER MAIN
REMOVE EXISTING HYDRANT ASSEMBLY AND GATE VALVE AND REPLACE WITH NEW HYDRANT ASSEMBLY AND 6" GATE VALVE
REMOVE EXISTING HYDRANT ASSEMBLY AND GATE VALVE AND REPLACE WITH NEW HYDRANT ASSEMBLY AND 6" GATE VALVE
EXISTING 12" DI WATER MAIN (TO REMAIN)
PROPOSED HYDRANT ASSEMBLY AND 6" GATE VALVE
REMOVE EXISTING HYDRANT ASSEMBLY AND GATE VALVE, CAP MAIN
INSTALL 30LF OF 8" DI WATER MAIN FROM EXISTING GATE VALVE ON DAVENPORT STREET AND CONNECT TO EXISTING 12" DI MAIN ON ROUTE 2
EXISTING 6" DI WATER MAIN (TO REMAIN)
ABANDON EXISTING 6" CI WATER MAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN, TYP.
REPLACE EXISTING WATER SERVICE AND SHUTOFF, TYP.
EXISTING 12" DI WATER MAIN (TO REMAIN)
INSTALL 30 LF OF 12" DI WATER MAIN TO ALLOW FOR INSTALLATION OF PROPOSED MDOT CB #17
REMOVE EXISTING HYDRANT ASSEMBLY AND GATE VALVE AND REPLACE WITH NEW HYDRANT ASSEMBLY AND 6" GATE VALVE
CAP AND ABANDON EXISTING CROSS TIE BETWEEN EXISTING 12" DI AND 6" CI WATER MAIN
INSTALL 33 LF OF 12" DI WATER MAIN TO ALLOW FOR INSTALLATION OF PROPOSED MDOT CB #20
REMOVE EXISTING HYDRANT ASSEMBLY AND GATE VALVE AND REPLACE WITH NEW HYDRANT ASSEMBLY AND 6" GATE VALVE
INSTALL 60LF OF 6" DI WATER MAIN FROM EXISTING GATE VALVE ON PENOBSCOT STREET AND CONNECT TO EXISTING 12" DI MAIN ON ROUTE 2
EXISTING 6" GATE VALVE TO REMAIN
CAP AND ABANDON EXISTING 6" CI WATER MAIN
60 LF OF PROPOSED 6" DI WATER MAIN
PROPOSED 12" SOLID SLEEVE COUPLING
PROPOSED 12" SOLID SLEEVE COUPLING
PROPOSED 12" GATE VALVE
PROPOSED 12" GATE VALVE
PROPOSED 12" x 12" x 6" DI TEE

MATCH LINE
MATCH LINE
SHEET C104

IN THE EVENT THAT DISCREPANCIES OR CONFLICTS BETWEEN MAINEDOT SPECIFICATIONS, SPECIAL PROVISIONS, AND PLANS OCCUR WITH THE WATER AND SANITARY SEWER UTILITIES SPECIFICATIONS, SPECIAL PROVISIONS AND PLANS, MAINEDOT OR MORE RESTRICTIVE SHALL PREVAIL.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

Waterville
44 Main Street
Suite 204
Waterville, ME
T:207-680-2202
F:207-680-2204

Lewiston
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Lewiston, ME
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F:207-795-6109

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Brewer, ME
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F:207-989-4881

Machias
65 Main Street
PO Box 597
Machias, ME
T:207-255-8270
F:207-255-8367

CES INC
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PROJECT TITLE
WATER & SANITARY SEWER IMPROVEMENTS MDOT WIN 10011.00
US ROUTE 2, MAIN STREET, MILFORD, MAINE

SHEET TITLE
WATER SYSTEM IMPROVEMENTS

NO	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R2				
R2				
R2				
R2				
R2				
R2				
R2				
R1				

STATE OF MAINE
Nathan Gustafson
13589
11/18/2015
LICENSED PROFESSIONAL ENGINEER

SCALE	1"=40'
DATE	2015-11-13
DRAWN BY	WAB
CHECKED BY	NAG
DESIGNED BY	
APPROVED BY	
JOB NUMBER	6241
DRAWING NUMBER	C103

P:\BREWER JOBS\6000s-6999\6200s-6299\6241-MILFORD--TOWN OF MILFORD ROUTE 2 ENGINEERING DESIGN\CONST SRVCS\00-CAD\DRAWINGS\06-6241\WIN\00-6241-C-PP.DWG, 11/13/2015 11:13 AM

PLAN REFERENCE:

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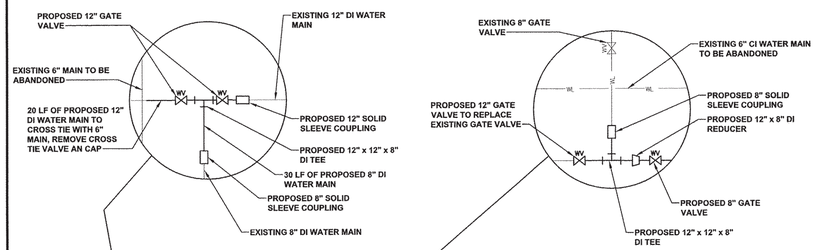

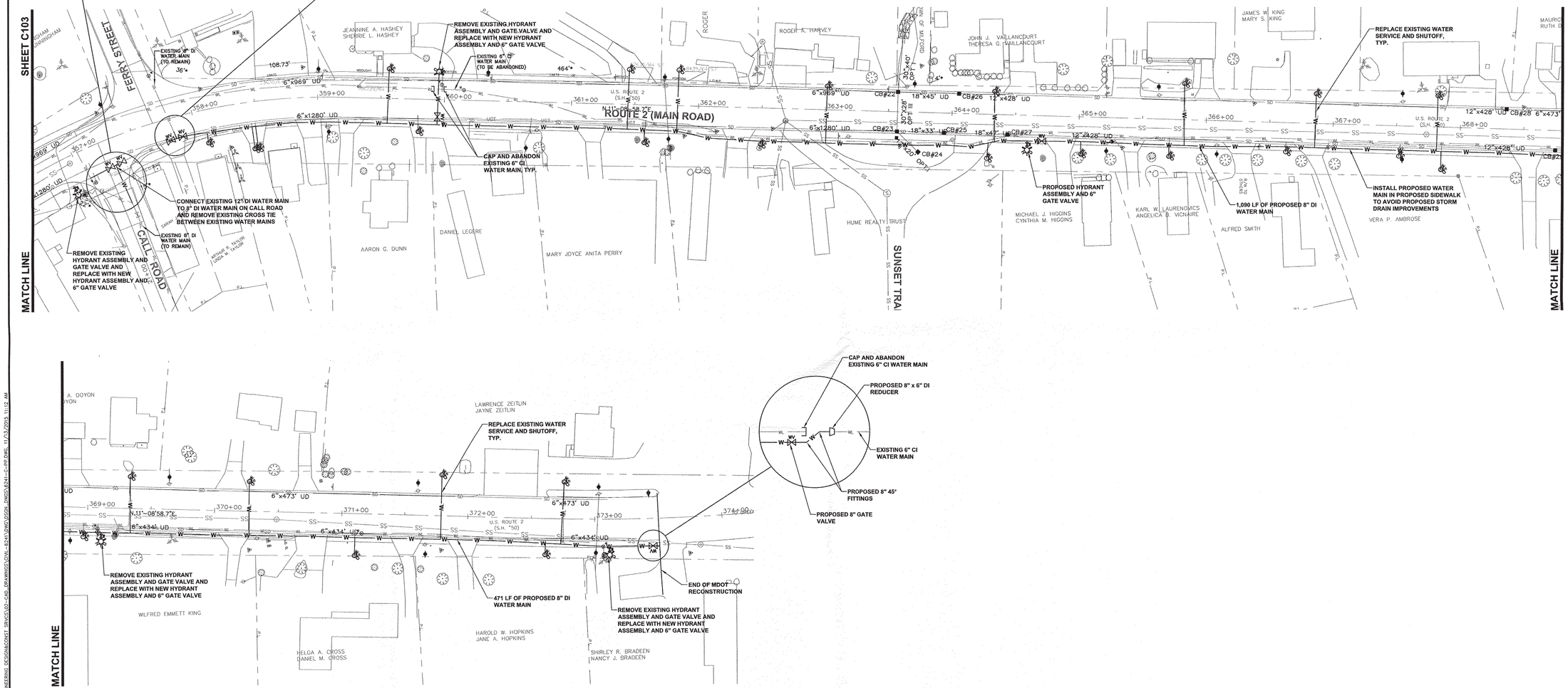

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GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

Waterville
Watermark
41 Main Street
Suite 204
Waterville, ME
T:207-680-2202
F:207-680-2204

Presque Isle
Watermark
4 Main Street
PO Box 827
Presque Isle, ME
T:207-764-5412
F:207-764-5414

Bar Harbor
Bar Harbor Inn
Newport Drive, Unit 102
Bar Harbor, ME
T:207-288-0587
F:207-288-0588

Brewer
Watermark
85 Wilson Main Street
PO Box 638
Brewer, ME
T:207-989-4824
F:207-989-4881

Machias
Machias Bank Block
PO Box 887
Machias, ME
T:207-255-8370
F:207-255-8367

CES INC
Engineers • Environmental Scientists • Surveyors

PROJECT TITLE
WATER & SANITARY SEWER IMPROVEMENTS MDOT WIN 10011.00
US ROUTE 2, MAIN STREET, MILFORD, MAINE

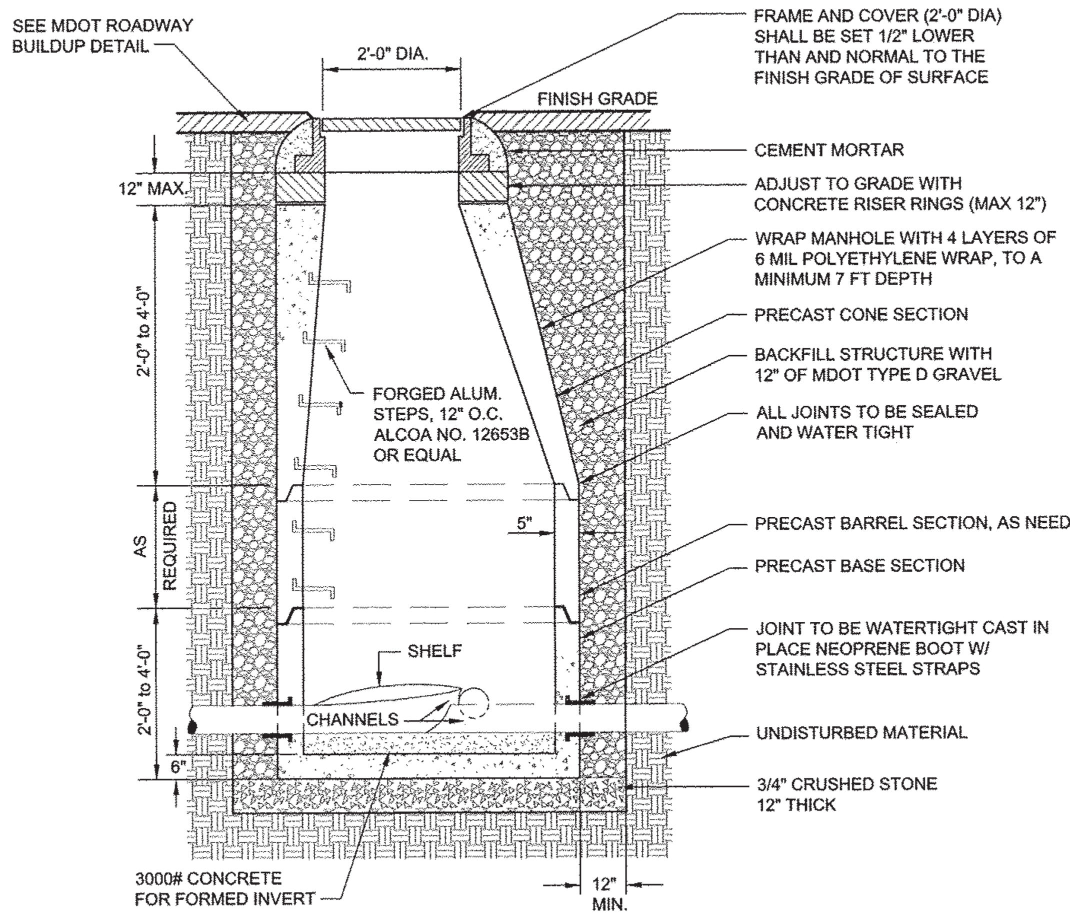
SHEET TITLE
WATER SYSTEM IMPROVEMENTS

NO	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R7				
R6				
R5				
R4				
R3				
R2				
R1				

STATE OF MAINE
Nathan Gustafson
13589
11/18/2015
LICENSED PROFESSIONAL ENGINEER

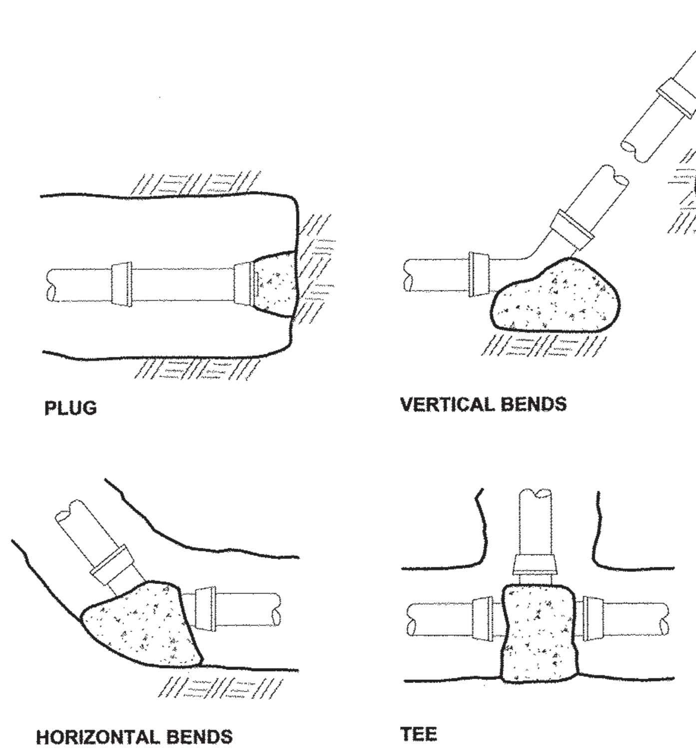
SCALE	1"=40'
DATE	2015- 11- 13
DRAWN BY	WAB
CHECKED BY	NAG
DESIGNED BY	
APPROVED BY	
JOB NUMBER	6241
DRAWING NUMBER	C104

P:\ARCHIVES_JOBS\6000s-6999\6200s-6299\6241-MILFORD--TOWN OF MILFORD_ROUTE 2 ENGINEERING DESIGN\ACTIVE_ERVICS\CIVIL-6241\DWG\DSGN_DWGS\6241-C-PP.DWG, 11/13/2015 11:12 AM



TYPICAL MANHOLE DETAIL

N.T.S.

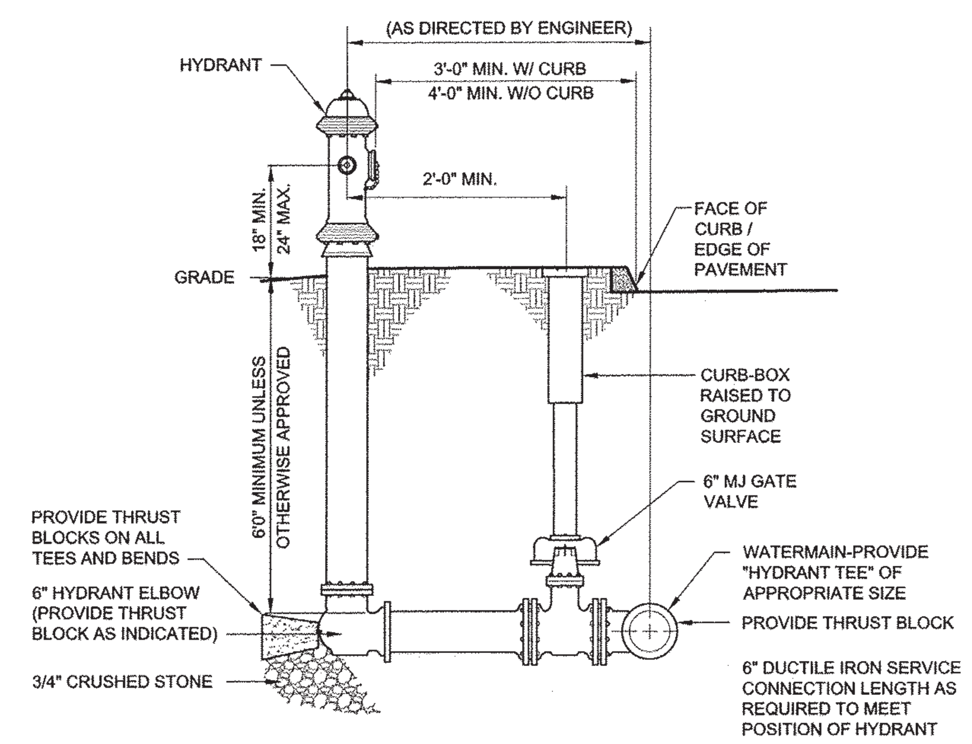


NOTE:
ANCHOR ALL 1/16, 1/8, AND 1/4" BENDS ANCHOR ALL TEES W / BRANCH LARGER THAN 6". PLACE CONCRETE AGAINST UNDISTURBED EARTH OR COMPACTED FILL.

PIPE	BEARING SURFACE, FT.²			
SIZE (IN.)	TEE, 90°	45°	22 1/2°	11 1/4°
2	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0
4	1.2	1.0	1.0	1.0
6	2.6	1.4	1.0	1.0
8	4.6	2.5	1.4	1.0
10	7.2	3.9	2.0	1.0
12	10.4	5.6	2.8	1.5
14	14.2	7.7	3.9	2.0
16	16.5	10.0	5.0	2.5
18	23.4	12.7	6.4	3.3

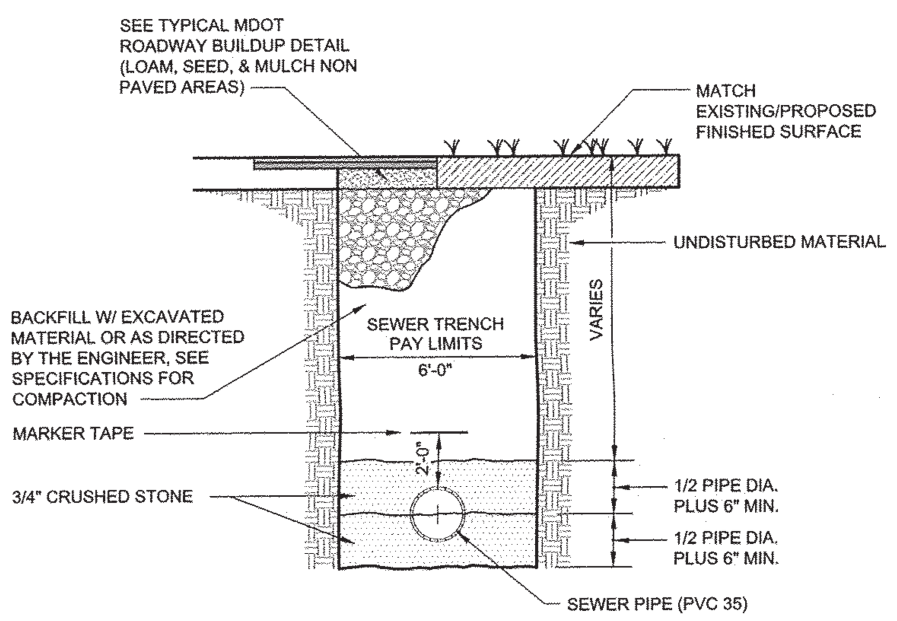
ANCHORAGE DETAILS

N.T.S.



TYPICAL HYDRANT ASSEMBLY DETAIL

N.T.S.

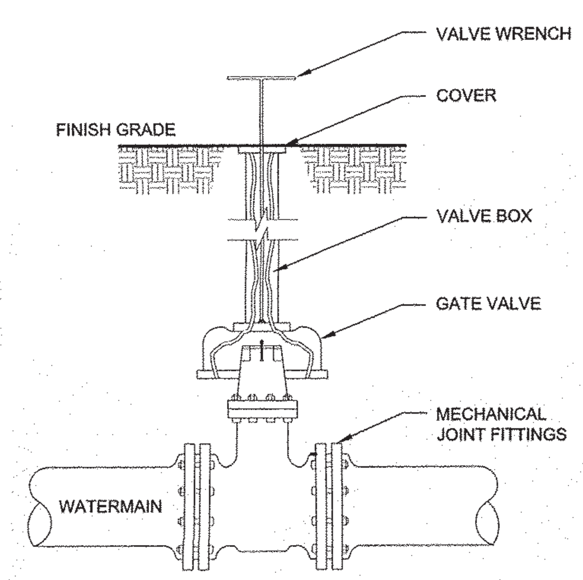


NOTE:

1. MATCH EXISTING / PROPOSED SURFACE FINISH, EXCEPT WHERE NOTED.

TYPICAL SEWER TRENCH DETAIL

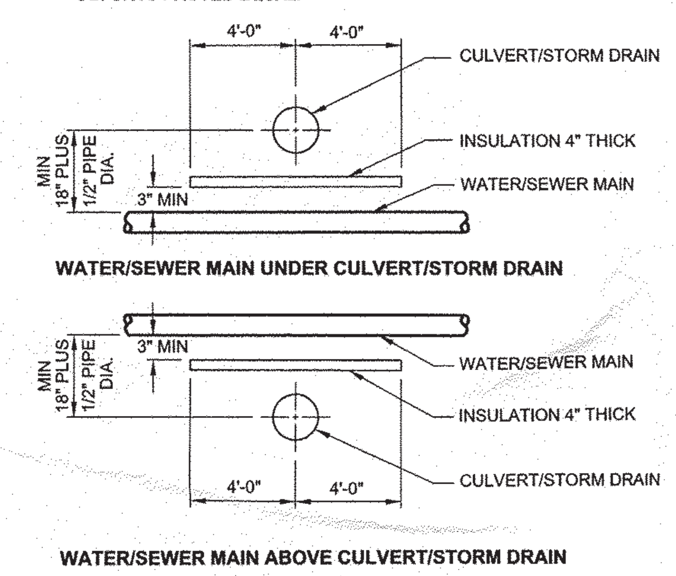
N.T.S.



TYPICAL GATE VALVE DETAIL

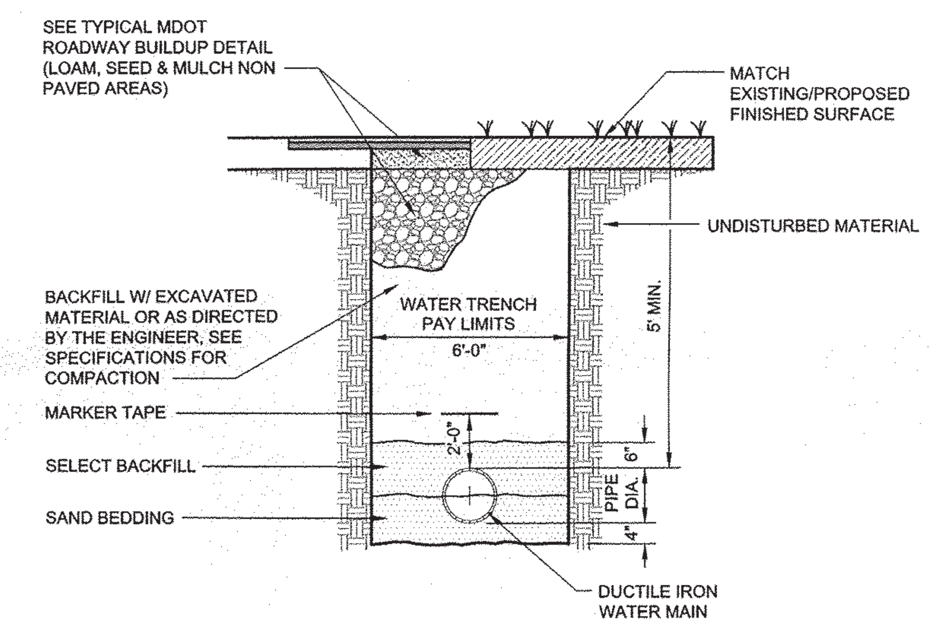
N.T.S.

NOTE:
2" RIGID INSULATION SHALL BE BLUEBOARD S.M. EXTRUDED POLYSTYRENE, R-10 RATING BY DOW CO. OR APPROVED EQUAL.



TYPICAL PIPE CROSSING INSULATION DETAIL

N.T.S.

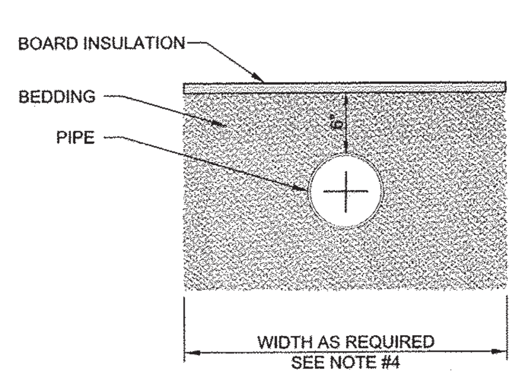


NOTE:

1. MATCH EXISTING / PROPOSED SURFACE FINISH, EXCEPT WHERE NOTED.

TYPICAL TRENCH DETAIL - DUCTILE IRON WATER MAIN

N.T.S.



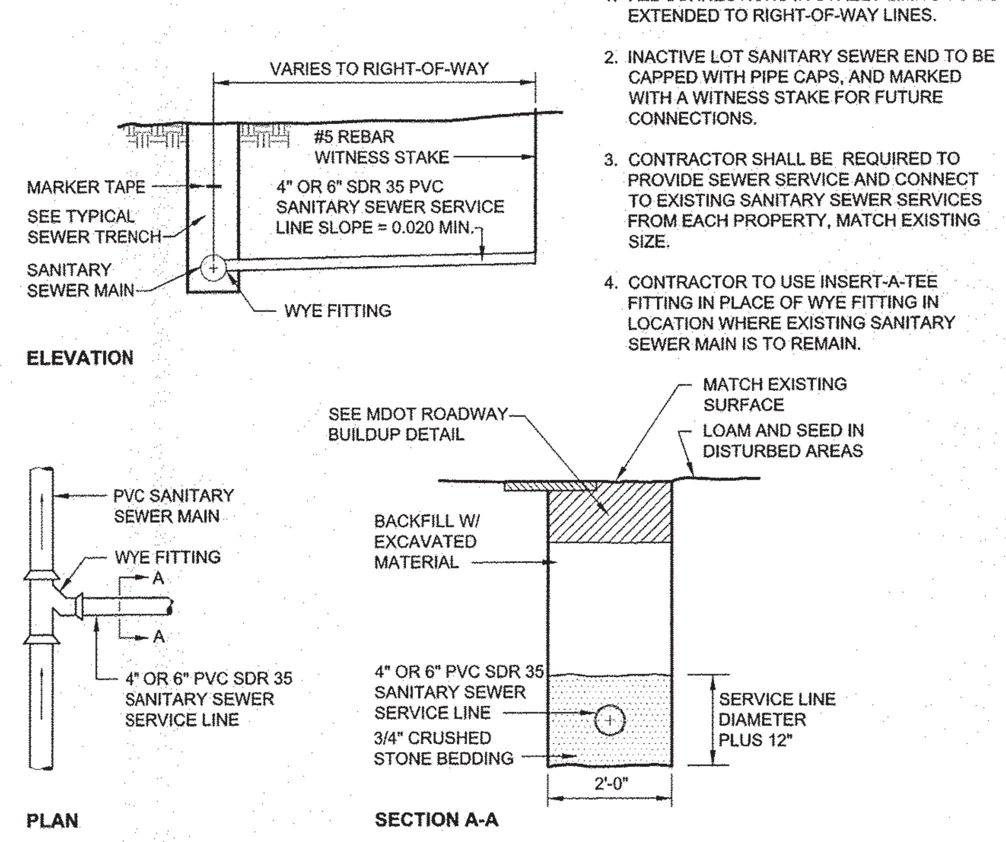
NOTES:

1. WATER AND SEWER PIPING SHALL BE INSULATED WITH 2" RIGID INSULATION BLUE BOARD BY DOW CO. SM. EXTRUDED POLYSTYRENE, (OR APPROVED EQUAL) TO BE USED IF EARTHEN COVER IS LESS THAN 6'-0".
2. CONTRACTOR MAY HAVE TO SUPPLY MORE THAN ONE LAYER OF BLUE BOARD INSULATION, IN AREAS THAT HAVE MINIMAL EARTHEN COVER TO MAINTAIN THE INSULATION VALUE OF 6'-0" COVER. 2" BLUE BOARD INSULATION HAS THE INSULATION VALUE OF APPROXIMATELY 1'-6" OF EARTHEN COVER. INSULATE PIPE TO EQUAL 6'-0" OF COVER.
3. MAINTAIN A MINIMUM of 12" OF EARTHEN COVER OVER INSULATION AS A MECHANICAL PROTECTION. LOAM AND SEED AS NECESSARY TO PREVENT EROSION.
4. INSULATION TO BE 2 FEET WIDE FOR PIPES LESS THAN 6 INCHES IN DIAMETER AND 4 FEET WIDE FOR PIPES 6 INCHES IN DIAMETER AND LARGER, OR AS DIRECTED BY THE ENGINEER.
5. CENTER INSULATION OVER PIPES.
6. WHERE EARTHEN COVER IS LESS THAN 3'-0" INSULATE TRENCH WALLS TO BOTTOM OF TRENCH.

TYPICAL TRENCH PIPE INSULATION DETAIL

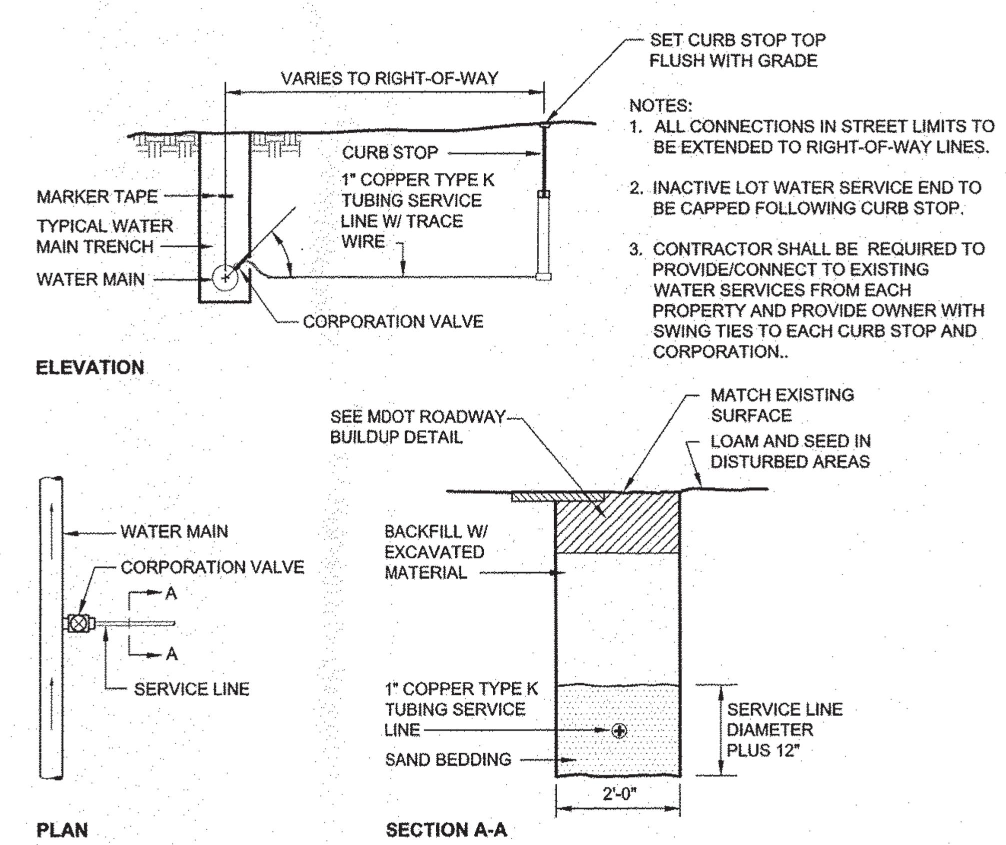
N.T.S.

NOTES:
1. ALL CONNECTIONS IN STREET LIMITS TO BE EXTENDED TO RIGHT-OF-WAY LINES.
2. INACTIVE LOT SANITARY SEWER END TO BE CAPPED WITH PIPE CAPS, AND MARKED WITH A WITNESS STAKE FOR FUTURE CONNECTIONS.
3. CONTRACTOR SHALL BE REQUIRED TO PROVIDE SEWER SERVICE AND CONNECT TO EXISTING SANITARY SEWER SERVICES FROM EACH PROPERTY, MATCH EXISTING SIZE.
4. CONTRACTOR TO USE INSERT-A-TEE FITTING IN PLACE OF WYE FITTING IN LOCATION WHERE EXISTING SANITARY SEWER MAIN IS TO REMAIN.



TYPICAL SANITARY SEWER SERVICE DETAIL

N.T.S.



NOTES:
1. ALL CONNECTIONS IN STREET LIMITS TO BE EXTENDED TO RIGHT-OF-WAY LINES.
2. INACTIVE LOT WATER SERVICE END TO BE CAPPED FOLLOWING CURB STOP.
3. CONTRACTOR SHALL BE REQUIRED TO PROVIDE/CONNECT TO EXISTING WATER SERVICES FROM EACH PROPERTY AND PROVIDE OWNER WITH SWING TIES TO EACH CURB STOP AND CORPORATION..

TYPICAL WATER SERVICE DETAIL

N.T.S.

GENERAL CONSTRUCTION NOTES

1. THIS PROJECT IS FUNDED IN PART BY USDA RURAL DEVELOPMENT, THE MAINE DRINKING WATER PROGRAM STATE REVOLVING FUND PROGRAM (SRF), THE TOWN OF MILFORD AND THE OLD TOWN WATER DISTRICT. THE CONTRACTOR MUST FOLLOW ALL APPLICABLE FUNDING AGENCY REGULATIONS AND REQUIREMENTS.
2. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONSTRUCTION WITH THE TOWN OF MILFORD, THE OLD TOWN WATER DISTRICT, UTILITY COMPANIES, DIG SAFE, EMERGENCY SERVICES AND MAINE DEPARTMENT OF TRANSPORTATION (MDOT) WHERE APPLICABLE. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK TO ALLOW SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF ALL BURIED UTILITIES. CONTRACTOR SHALL ALSO CONTACT "DIG SAFE", TELEPHONE NO 811 OR 888-DIG-SAFE. REPAIR OF ANY DAMAGED UTILITY WILL BE INCIDENTAL TO THIS PROJECT
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IN WRITING OF ANY CONDITION OR OCCURRENCE THAT REPRESENTS A CHANGE IN THE SANITARY SEWER SYSTEM AND WATER SYSTEM PROJECT SCOPE. VERBAL NOTIFICATION IS REQUIRED PRIOR TO PROCEEDING WITH THE WORK OF THE PROJECT AND WRITTEN NOTIFICATION MUST BE PROVIDED. REQUESTS FOR FEE ADJUSTMENTS WILL NOT BE CONSIDERED UNLESS PROPER NOTICE IS GIVEN
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PIPE SIZES, INVERTS, AND LOCATIONS, AND SHALL INCLUDE IN SUBMITTAL PRIOR TO ORDERING.
5. ALL WATER MAINS AND SERVICES WILL HAVE A MINIMUM 6.0 FEET OF COVER UNLESS NOTED OTHERWISE OR APPROVED BY THE ENGINEER.
6. DECHLORINATION OF DISINFECTION WATER WILL BE A REQUIREMENT DURING THE PIPE DISINFECTION PROCESS.
7. THE CONTRACTOR SHALL PROVIDE THRUST BLOCKS AT ALL TEES AND BENDS IN THE NEW WATER MAIN PIPING UNLESS NOTED OTHERWISE.
8. CONTRACTOR SHALL BACKFILL TRENCH FOLLOWING EACH DAYS CONSTRUCTION. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT UNLESS APPROVED BY ENGINEER AND PROPERLY BARRICADED (IE. SNOW FENCING, CHAIN LINK FENCING, JERSEY BARRIER OR APPROVED EQUAL. CAUTION RIBBON AND EQUIPMENT PLACEMENT WILL NOT BE APPROVED AS BARRICADING. CONTRACTOR IS RESPONSIBLE TO MAINTAIN TRENCH AS DIRECTED BY THE ENGINEER
9. UNLESS OTHERWISE NOTED, RIM ELEVATIONS FOR PROPOSED SANITARY SEWER MANHOLE STRUCTURES SHALL BE FIELD ADJUSTED TO FINISHED GRADES IN ACCORDANCE WITH DETAILS.
10. ALL UTILITY MATERIALS SCHEDULED FOR REMOVAL SHALL BE DISPOSED OF IN A LEGAL MANNER BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE OWNER HAS THE FIRST RIGHT AND REFUSAL FOR ANY DEMOLITION MATERIALS.
11. DISPOSAL OF SURPLUS SOIL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, SURPLUS MATERIAL SHALL NOT BE DISPOSED OF ON THE PROJECT SITE. DISPOSAL SHALL BE MADE ONLY AT WASTE AREAS WHICH ARE LICENSED TO ACCEPT SUCH MATERIALS, UNLESS THE MATERIAL IS ACCEPTABLE FOR USE AS FILL IN OTHER AREAS OF THE PROJECT. THE OWNER HAS THE FIRST RIGHT AND REFUSAL FOR ANY SURPLUS SOIL MATERIALS.
12. ALL PROPOSED WATER MAIN PIPING SHALL BE CLASS 52 DUCTILE IRON, ALL PROPOSED SEWER MAIN PIPING SHALL BE SDR 35 PVC.
13. ALL PROPOSED WATER SERVICE PIPING SHALL BE 1" TYPE K COPPER UNLESS OTHERWISE NOTED. ALL PROPOSED SEWER SERVICES SHALL BE SDR 35 PVC, MATCH EXISTING SIZE.
14. INSTALL FOUR BRONZE WEDGES AT ALL DUCTILE IRON BELL & SPIGOT JOINTS IN WATER MAIN, COST INCIDENTAL TO WATER MAIN INSTALLATION.
15. ALL MATERIALS, COMPONENTS, PRODUCTS, SYSTEMS AND COATINGS THAT COME INTO CONTACT WITH DRINKING WATER MUST BE CERTIFIED TO MEET NSF/ANSI STANDARD 61.
16. JOINTS SHALL BE RUBBER GASKETED PUSH-ON OR MECHANICAL JOINT TYPE. GASKETS SHALL BE MADE OF SBR RUBBER. FOR WATER MAIN LOCATED WITHIN PETROLEUM HYDROCARBON AND/OR CHLORINATED SOLVENT CONTAMINATED SOILS, GASKETS SHALL BE MADE OF OIL RESISTANT BUNA-N (NITRILE) RUBBER. WHEN CONTAMINATED SOIL IS ENCOUNTERED UNEXPECTEDLY IN THE FIELD, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. ALL JOINTS SHALL BE IN CONFORMANCE WITH REQUIREMENTS OF ANSI/AWWA C111/A21.11.
17. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TEMPORARY WATER SERVICE TO THE RESIDENCES, AS NEEDED, TO MAINTAIN WATER SERVICE DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN TEMPORARY WATER THROUGHOUT CONSTRUCTION OF THE PROJECT. A PAY ITEM HAS BEEN PROVIDED FOR THIS WORK. THE CONTRACTOR SHALL PROVIDE A TEMPORARY WATER SERVICE PLAN TO THE OWNER AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION SYSTEM. COST TO PROVIDE PLAN SHALL BE INCIDENTAL TO ITEM. TEMPORARY WATER SERVICE PLAN SHALL INCLUDE PIPE MATERIAL, PIPE ROUTING, BURIAL DEPTHS WHERE NEEDED, DISINFECTION PROCESS AND ANY OTHER INFORMATION THAT MAY BE REQUIRED FOR APPROVAL.
18. EXISTING FIRE HYDRANTS TO REMAIN ACTIVE AT ALL TIMES, UNTIL REPLACEMENT WITH NEW HYDRANT.
19. AT THE END OF EACH DAY'S WORK, THE CONTRACTOR SHALL SPRAY THE INSIDE OF THE END OF WATER PIPE WITH SODIUM HYPOCHLORITE AND BLOCK PIPE OVERNIGHT WITH SANITARY WATERTIGHT PLUG TO PREVENT ANIMALS FROM ENTERING PIPE.
20. WHERE THERE IS LESS THAN TEN FEET OF HORIZONTAL SEPARATION BETWEEN THE SANITARY SEWER MAIN AND THE WATER MAIN, PROVIDE 18" OF VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER.
21. PROPOSED SERVICES SHALL BE PROVIDED FROM THE NEW MAIN TO THE RIGHT-OF-WAY, OR AS INDICATED ON THE PLANS.
22. THE CONTRACTOR SHALL PROVIDE MECHANICAL JOINT CAPS ON ALL EXISTING WATER MAINS THAT ARE TO BE ABANDONED FOR THIS PROJECT. THE CAP SHALL BE PLACED ON THE EXISTING WATER MAIN AFTER THE EXISTING MAIN HAS BEEN CUT FOR THE CONNECTION OF THE NEW WATER MAIN AND BEFORE THE TRENCH IS BACKFILLED.
23. CONTRACTOR SHALL MAINTAIN WATER AND SEWER SERVICE TO RESIDENTS AT ALL TIMES. CONTRACTOR SHALL COORDINATE CONNECTION OF SERVICES TO THE NEW MAINS WITH THE TOWN OF MILFORD AND THE OLD TOWN WATER DISTRICT.
24. THE CONTRACTOR SHALL ASSUME THAT ALL BUILDINGS HAVE A SEWER AND A WATER SERVICE, WHETHER SHOWN ON THE DRAWINGS OR NOT. SERVICE LOCATIONS WHERE SHOWN ARE APPROXIMATE AND HAVE BEEN COMPILED FROM FIELD SURVEY, TOWN RECORDS AND WATER DISTRICT RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION OF ALL SERVICE LOCATIONS.
25. CONTRACTOR SHALL INSTALL A WATER SERVICE A ND SEWER SERVICE TO EACH LOT.
26. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH LANDOWNERS AT LEAST TWO DAYS (48 HOURS) PRIOR TO DISRUPTION. ALL UTILITY COORDINATION IS RESPONSIBILITY OF CONTRACTOR.
27. WATER SERVICES SHALL NOT BE DISCONTINUED AT ANY HOUSE PRIOR TO 10:00 AM WITHOUT WRITTEN NOTIFICATION TO THE PROPERTY OWNER.
28. ALL WASTEWATER FLOWS IN EXISTING SEWERS MUST BE MAINTAINED DURING CONSTRUCTION. COST IS INCIDENTAL TO THE PROJECT.
29. ALL EXISTING WATER MAINS AND SEWER MAINS ABANDONED SHALL BE CAPPED AND FILLED WITH FLOWABLE FILL, COST SHALL BE INCIDENTAL TO PROJECT.
30. STATIONS AND OFFSETS FOR MANHOLES ARE SHOWN TO THE CENTER OF EACH.
31. THE CONTRACTOR SHALL RAISE ALL EXISTING UTILITY COVERS, GRATES, FRAMES, AND BOXES TO MATCH NEW ELEVATIONS AS INDICATED ON THE DRAWINGS.
32. THE TOWN OF MILFORD AND TE OLD TOWN WATER DISTRICT REQUIRES THAT UPON COMPLETION OF CONSTRUCTION, A COMPLETE SET OF "AS-BUILT" DRAWINGS THAT REFLECT ANY AND ALL MODIFICATIONS WITHIN THE PUBLIC RIGHT OF WAY INCLUDING MODIFICATIONS TO THE WATER SYSTEM AND THE SANITARY SEWER SYSTEMS WITHIN THE PROJECT LIMITS BE SUBMITTED TO THE TOWN OF MILFORD AND THE OLD TOWN WATER DISTRICT. THESE DRAWINGS SHALL BE SUBMITTED IN BOTH DIGITAL (CAD) DRAWING AND HARD COPY FORMAT. A CAD FILE WILL BE AVAILABLE TO THE CONTRACTOR.

ABBREVIATIONS

DI	DUCTILE IRON
CI	CAST IRON
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLYVINYL CHLORIDE
DIA	DIAMETER
SDR	STANDARD DIMENSION RATIO
CB	CATCH BASIN
SMH	SANITARY MANHOLE
LF	LINEAR FOOT
ELEV	ELEVATION
MIN	MINIMUM
MAX	MAXIMUM
TYP	TYPICAL
OC	ON CENTER
APP	APPROXIMATE

LEGEND:

DESCRIPTION	*EXISTING SYMBOL*	*PROPOSED SYMBOL*
UTILITY POLE		NA
SEWER MANHOLE	Ⓢ	Ⓢ
FIRE HYDRANT		
WATER SHUT OFF		
EDGE OF GRAVEL	— — — — —	NA
EDGE OF PAVEMENT	————	NA
PROPERTY LINE	—— — — ——	NA
WATER LINE	— W — W —	——W——
SANITARY SEWER GRAVITY LINE	——SS——	——SS——

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PROJECT TITLE
WATER & SANITARY SEWER IMPROVEMENTS MDOT WIN 10011.00
US ROUTE 2, MAIN STREET, MILFORD, MAINE

SHEET TITLE
WATER AND SANITARY SEWER
SYSTEM NOTES AND DETAILS

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R2				
R3				
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R6				
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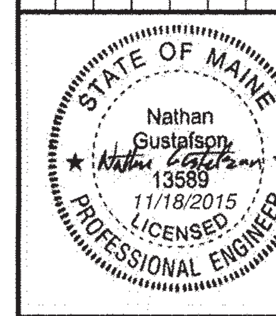

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