STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLANS PREPARED BY:

vhb
500 Southborough Drive, Suite 105B
South Portland, ME 04106

PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Boring Refusal
Boring Bottom of Exploration

Centerline-Existing
Centerline-Proposed — 10+00
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line — W
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

ELLSWORTH
HANCOCK COUNTY
US ROUTE 1A (NHS)
AC-STP-1919(600)X
PROJECT LENGTH : 1.22 MILES

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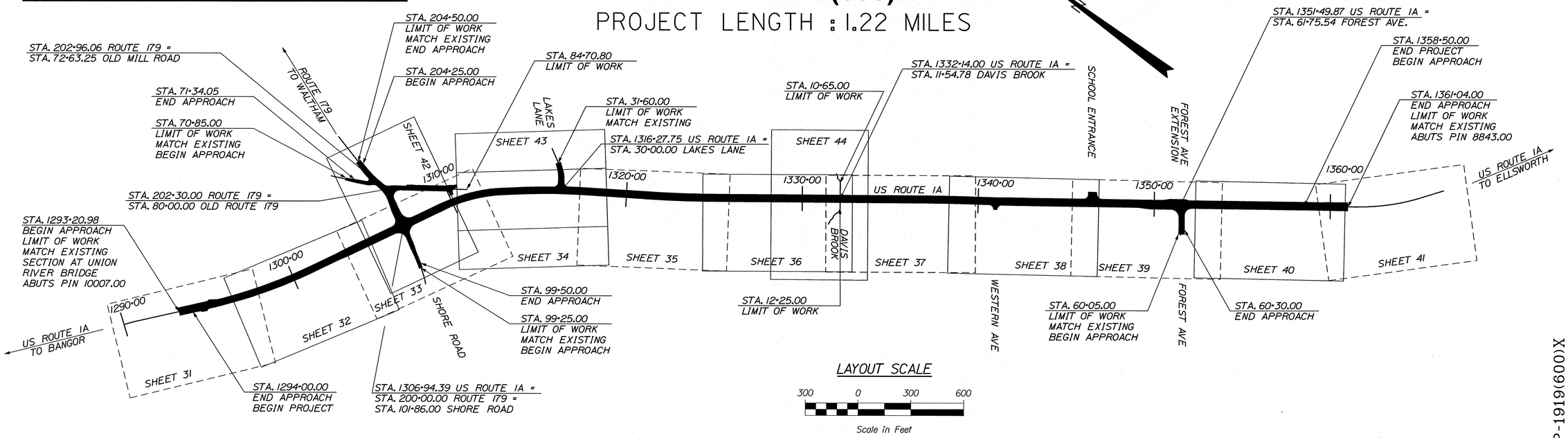


TRAFFIC DATA

	Ellsworth - SR 179 (North St.) N/O US 1A (State St.)	Ellsworth - US 1A (State St.) SE/O SR 179 (North St.)	Ellsworth - US 1A (State St.) NW/O SR 179 (North St.)	Ellsworth - US 1A (State St.) NW/O US 1A (Oak St.)
Current (2017) AADT	2560	15900	13760	19600
Future (2029) AADT	2870	17810	15410	21950
DHV - % of AADT	10%	10%	11%	10%
Design Hour Volume	289	1778	1632	2195
% Heavy Trucks (AADT)	11%	8%	9%	7%
% Heavy Trucks (DHV)	9%	6%	6%	5%
Directional Distribution (DHV)	60%	55%	53%	55%
18 kip Equivalent P 2.0	111	577	511	579
18 kip Equivalent P 2.5	106	550	486	551
Design Speed (mph)	25	35 / 30	40	30
Functional Class:	Major/Urban Collector Priority 4	Principal Arterial Priority 1	Principal Arterial Priority 1	Principal Arterial Priority 1

PROJECT LOCATION:	Project begins 0.35 miles northerly of the existing intersection of Route 179 (North Street) and extends southerly 1.22 miles to the intersection of State Street and Oak Street.
PROGRAM AREA:	Highway Program
SCOPE OF WORK:	Highway Reconstruction and Rehabilitation

WIN 19196.00 AC-STP-1919(600)X

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

		DATE
APPROVED		
COMMISSIONER:		4/4/16
CHIEF ENGINEER:		4-4-16

STATE OF MAINE — ANTHONY GRANDE No. 12023 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE	
P.E. NUMBER	12023
DATE	3-22-2016

PROJECT INFORMATION

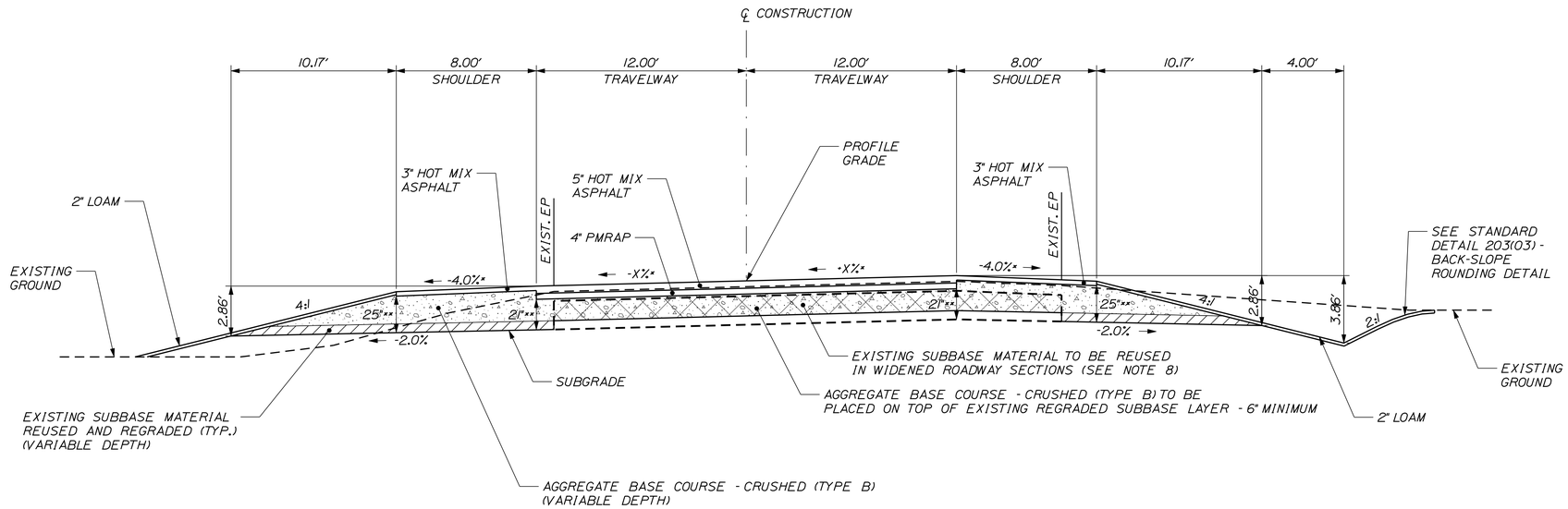
PROGRAM	HIGHWAY
PROJECT MANAGER	RHOBE MOULTON
DESIGNER	AG
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

ELLSWORTH
US ROUTE 1A (NHS)

TITLE SHEET

SHEET NUMBER
1
OF 187

Filename: ...\00\HIGHway\MSTA\001_Title.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LOW SIDE SUPERELEVATED SHOULDER - 45.64 CY/100 LF	24 FT. TRAVELWAY 66.62 CY/100 LF	HIGH SIDE SUPERELEVATED SHOULDER - 45.64 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1295+05 TO 1301+25 LT	1294+00 TO 1301+75	1294+55 TO 1297+62 RT

US ROUTE 1A
REHABILITATION
SUPERELEVATED

NOTE:

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

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

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

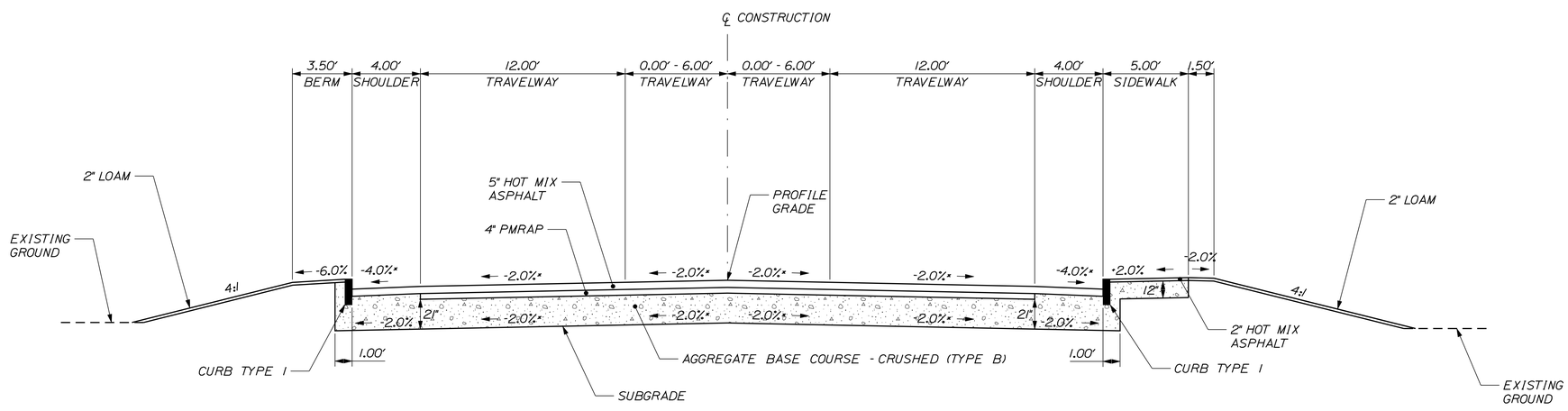
4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

8. EXISTING SUBBASE MATERIAL TO BE REGRADED ACROSS THE FULL WIDTH OF THE PROPOSED ROADWAY CROSS SECTION. EXISTING SUBBASE MATERIAL REUSE DEPTH WILL VARY DUE TO EXISTING FIELD CONDITIONS.



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 38.74 CY/100 LF	36 FT. TRAVELWAY 233.33 CY/100 LF	RIGHT SHOULDER 53.56 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1301+25 TO 1309+35 LT	1301+75 TO 1309+35	1307+36 TO 1309+35 RT

US ROUTE 1A
RECONSTRUCTION
NORMAL

TYPICAL SECTIONS LEGEND

- EXISTING SUBBASE MATERIAL
- EXISTING SUBBASE REGRADED
- PROPOSED AGGREGATE BASE COURSE - CRUSHED (TYPE B)

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

**NOTE: VALUES REPRESENT COMBINED DEPTH OF NEW AND EXISTING GRAVEL.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

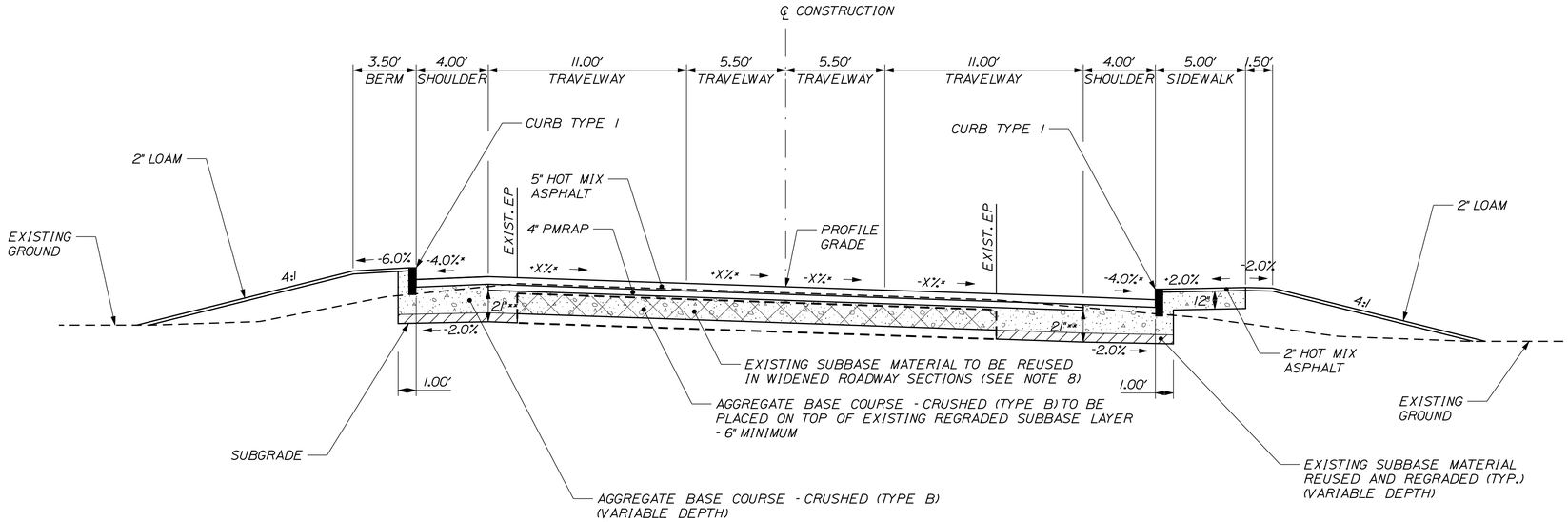
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS

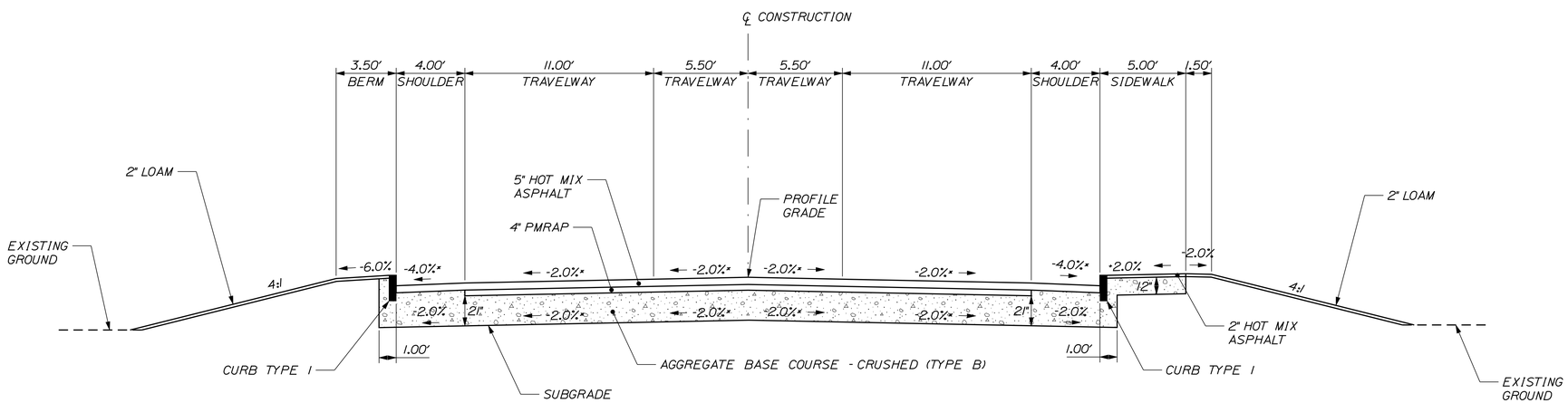
SHEET NUMBER
2
OF 187

Filename: ...\MSTA\002_Typical_01.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
HIGH SIDE SUPERELEVATED SHOULDER - 18.17 CY/100 LF	33 FT. TRAVELWAY 78.09 CY/100 LF	LOW SIDE SUPERELEVATED SHOULDER - 33.02 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1309+35 TO 1313+61 LT	1309+35 TO 1313+61	1309+35 TO 1310+45 RT
		1310+80 TO 1312+61 RT

US ROUTE 1A
REHABILITATION
SUPERELEVATED



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 38.80 CY/100 LF	33 FT. TRAVELWAY 213.89 CY/100 LF	RIGHT SHOULDER 53.64 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1313+61 TO 1313+65 LT	1313+61 TO 1316+50	1312+61 TO 1314+95 RT
1314+30 TO 1314+68 LT		
1315+00 TO 1316+50 LT		

US ROUTE 1A
RECONSTRUCTION
NORMAL

NOTE:

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

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

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

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" 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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

8. EXISTING SUBBASE MATERIAL TO BE REGRADED ACROSS THE FULL WIDTH OF THE PROPOSED ROADWAY CROSS SECTION. EXISTING SUBBASE MATERIAL REUSE DEPTH WILL VARY DUE TO EXISTING FIELD CONDITIONS.

TYPICAL SECTIONS LEGEND

- EXISTING SUBBASE MATERIAL
- EXISTING SUBBASE REGRADED
- PROPOSED AGGREGATE BASE COURSE - CRUSHED (TYPE B)

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

**NOTE: VALUES REPRESENT COMBINED DEPTH OF NEW AND EXISTING GRAVEL.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

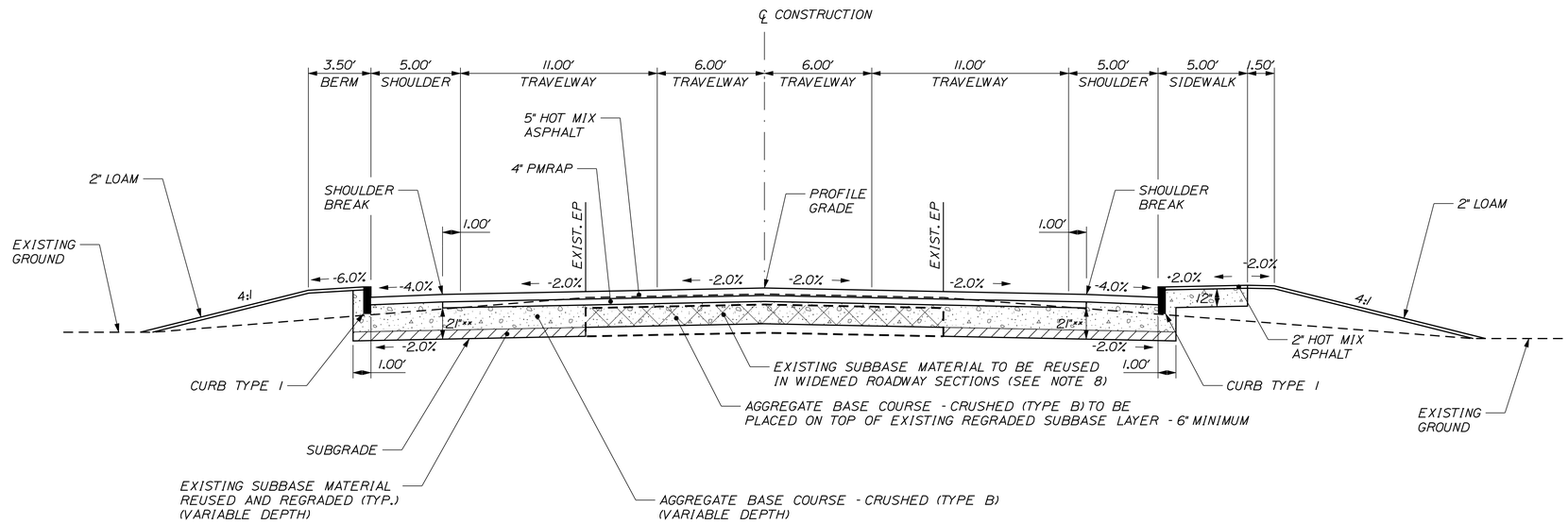
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS

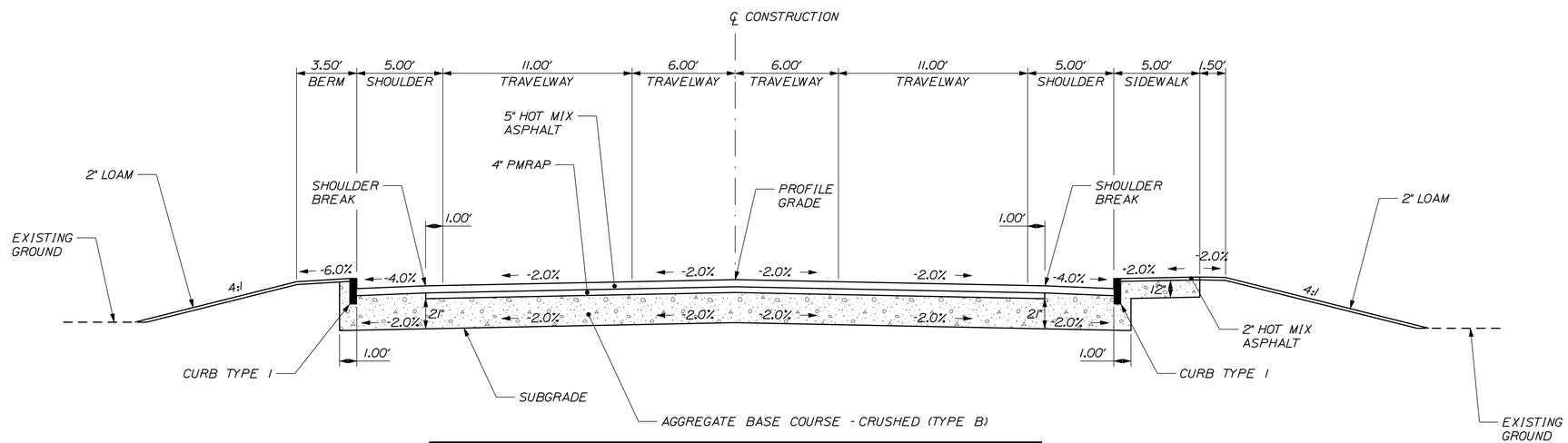
SHEET NUMBER
3
OF 187

Filename: ...\MSTA\003_Typical_02.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 23.63 CY/100 LF	34 FT. TRAVELWAY 98.18 CY/100 LF	RIGHT SHOULDER 38.50 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1316+50 TO 1319+37 LT	1316+50 TO 1328+00	1316+65 TO 1328+00 RT
1319+81 TO 1328+00 LT	1338+00 TO 1341+75	1338+00 TO 1341+75 RT
1338+00 TO 1341+75 LT		

US ROUTE 1A
REHABILITATION
NORMAL



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 45.22 CY/100 LF	34 FT. TRAVELWAY 220.37 CY/100 LF	RIGHT SHOULDER 60.09 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1328+00 TO 1330+95 LT	1328+00 TO 1338+00	1328+00 TO 1331+03 RT
1333+45 TO 1338+00 LT		1333+75 TO 1338+00 RT

US ROUTE 1A
RECONSTRUCTION
NORMAL

NOTE:

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

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

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

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" 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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

8. EXISTING SUBBASE MATERIAL TO BE REGRADED ACROSS THE FULL WIDTH OF THE PROPOSED ROADWAY CROSS SECTION. EXISTING SUBBASE MATERIAL REUSE DEPTH WILL VARY DUE TO EXISTING FIELD CONDITIONS.

TYPICAL SECTIONS LEGEND

- EXISTING SUBBASE MATERIAL
- EXISTING SUBBASE REGRADED
- PROPOSED AGGREGATE BASE COURSE - CRUSHED (TYPE B)

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

**NOTE: VALUES REPRESENT COMBINED DEPTH OF NEW AND EXISTING GRAVEL.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

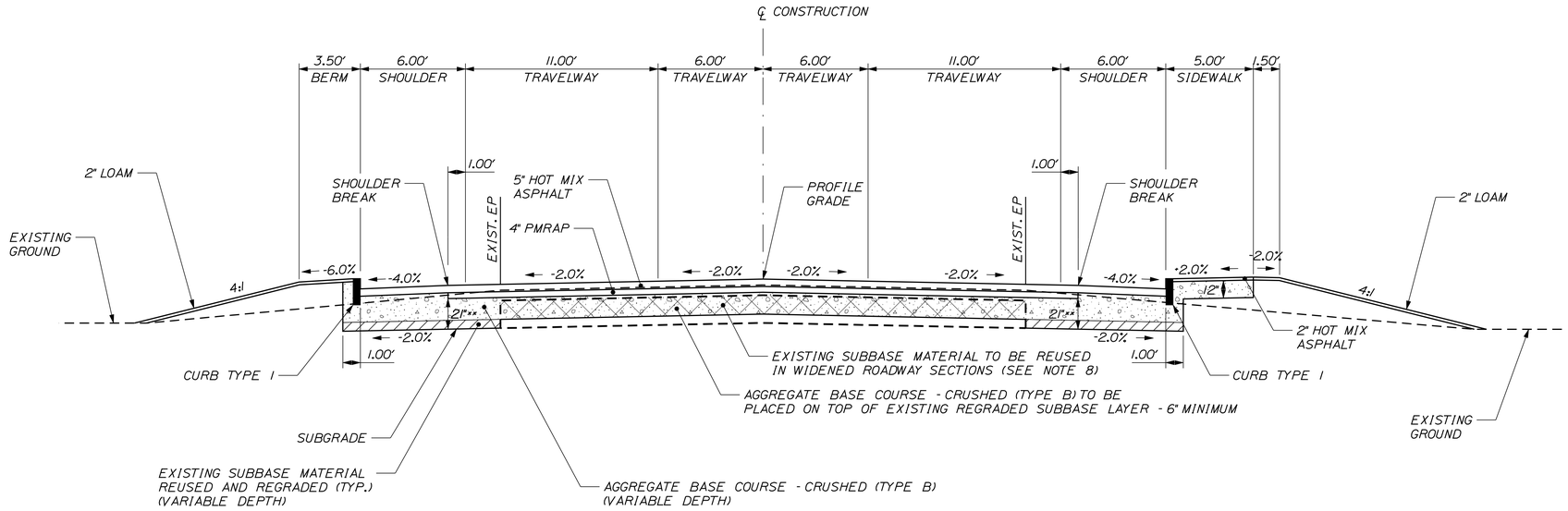
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS

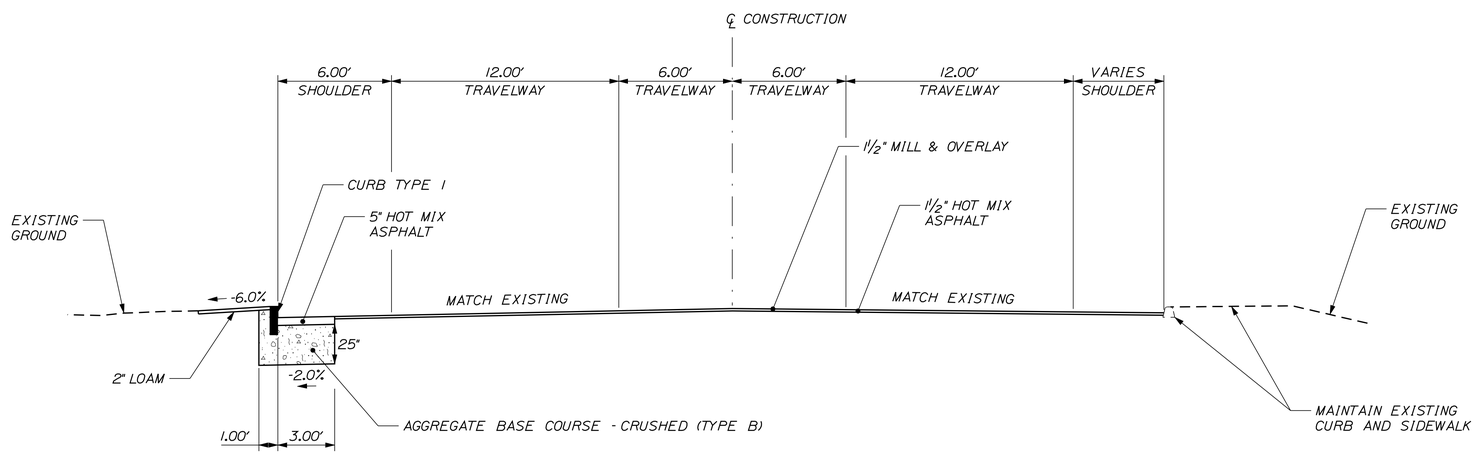
SHEET NUMBER
4
OF 187

Filename: ...\MSTA\004_Typical_03.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 19.83 CY/100 LF	34 FT. TRAVELWAY 61.65 CY/100 LF	RIGHT SHOULDER 34.69 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1341+75 TO 1346+75 LT	1341+75 TO 1358+50	1341+75 TO 1349+11 RT
1350+85 TO 1357+81 LT		1350+93 TO 1359+13 RT

US ROUTE 1A
REHABILITATION
NORMAL



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 31.90 CY/100 LF	TRAVELWAY 0 CY/100 LF	RIGHT SHOULDER 0 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
1359+50 TO 1361+04 LT	1358+50 TO 1361+04	1359+13 TO 1361+04 RT

US ROUTE 1A
MILL & OVERLAY
NORMAL

NOTE:

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

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

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

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" 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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

8. EXISTING SUBBASE MATERIAL TO BE REGRADED ACROSS THE FULL WIDTH OF THE PROPOSED ROADWAY CROSS SECTION. EXISTING SUBBASE MATERIAL REUSE DEPTH WILL VARY DUE TO EXISTING FIELD CONDITIONS.

TYPICAL SECTIONS LEGEND

- EXISTING SUBBASE MATERIAL
- EXISTING SUBBASE REGRADED
- PROPOSED AGGREGATE BASE COURSE - CRUSHED (TYPE B)

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

**NOTE: VALUES REPRESENT COMBINED DEPTH OF NEW AND EXISTING GRAVEL.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
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REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

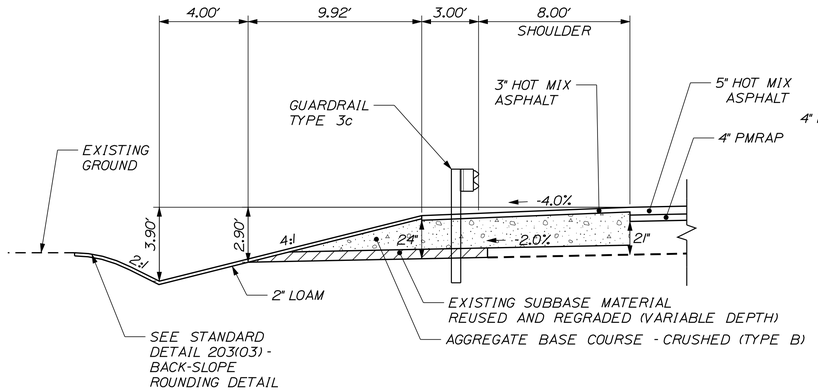
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS

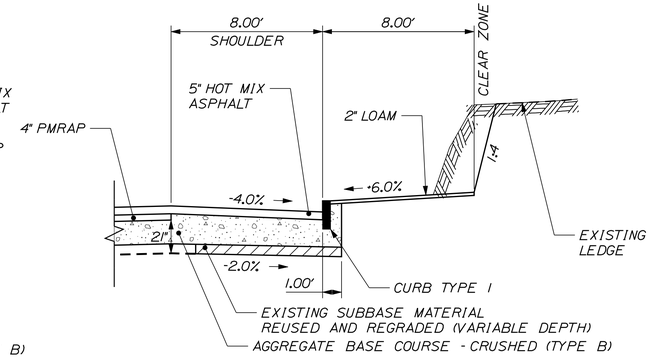
SHEET NUMBER
5
OF 187

Filename: ...\MSTA\005_Typical_04.dgn Division: Highway Username: jhilton Date:3/22/2016



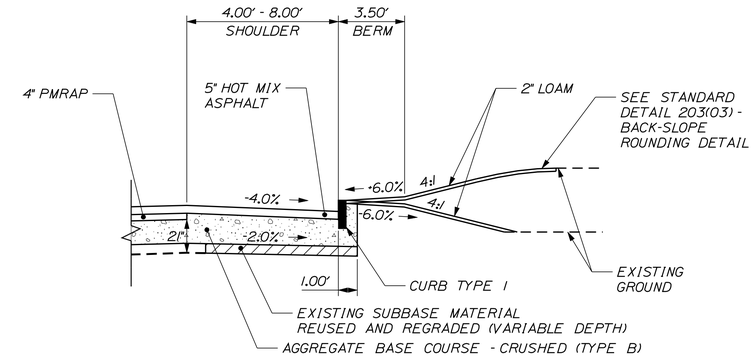
AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1294+00 TO 1295+05 LT
1294+00 TO 1294+55 RT

GUARDRAIL SECTION



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1297+75 TO 1298+75 RT

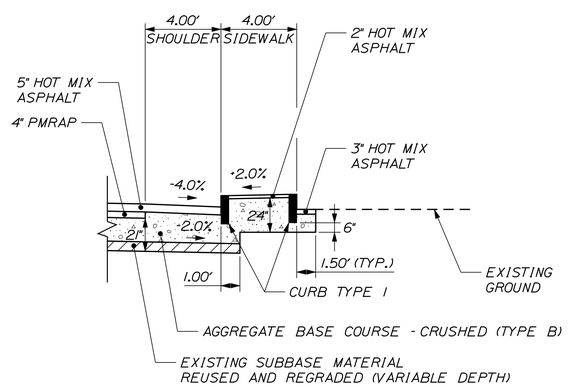
LEDGE CUT SECTION



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1297+62 TO 1297+75 RT
1298+75 TO 1301+75 RT
1301+75 TO 1307+36 RT*

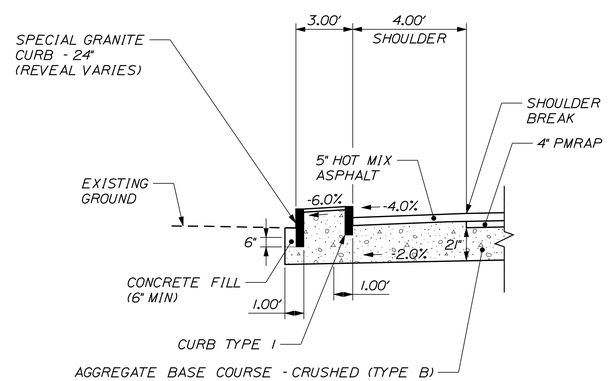
* RECONSTRUCTION

CURBED SHOULDER



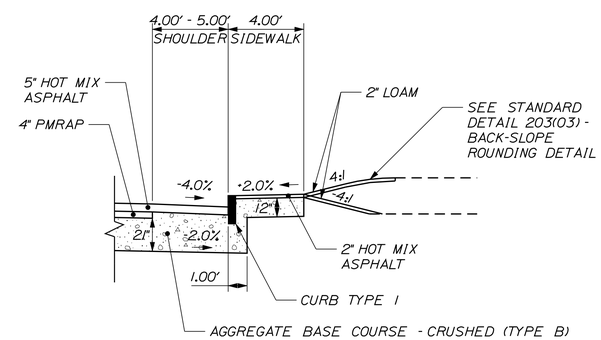
AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1310+45 TO 1310+80 RT

4' SIDEWALK SECTION WITH BACK CURB



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER 75.64 CY/100 LF
STATION TO STATION
1313+65 TO 1314+30 LT
1314+68 TO 1315+00 LT

GRANITE BACK CURB SECTION



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1314+95 TO 1316+65 RT

4' SIDEWALK SECTION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
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REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

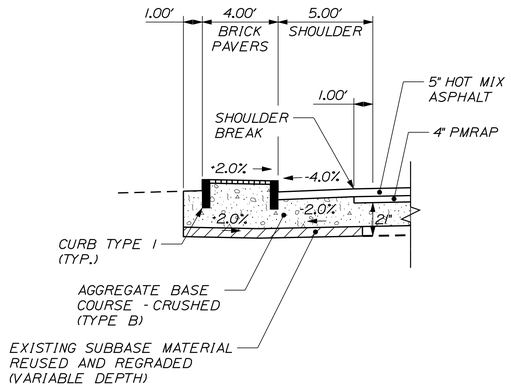
TYPICAL SECTIONS

SHEET NUMBER

6

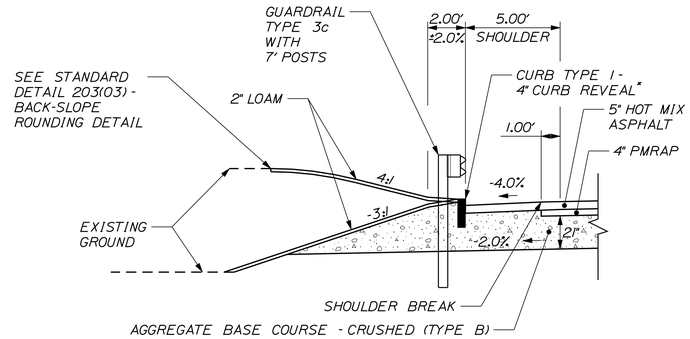
OF 187

Date:3/22/2016 Username: jhilton Division: Highway Filename: ...\MSTA\006_Typical_05.dgn



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1319+37 TO 1319+81 LT

BRICK PAVER RESET SECTION

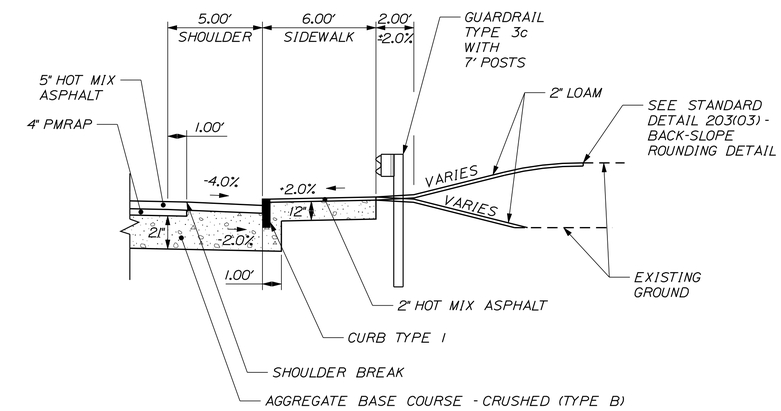


* 2" CURB REVEAL IN FRONT OF GUARDRAIL IMPACT ATTENUATORS AND 37' UPSTATION OF GUARDRAIL IMPACT ATTENUATORS

NOTE: SEE STANDARD DETAIL 606(09) FOR TERMINAL GRADING

AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER 84.81 CY/100 LF
STATION TO STATION
1330+95 TO 1333+45 LT

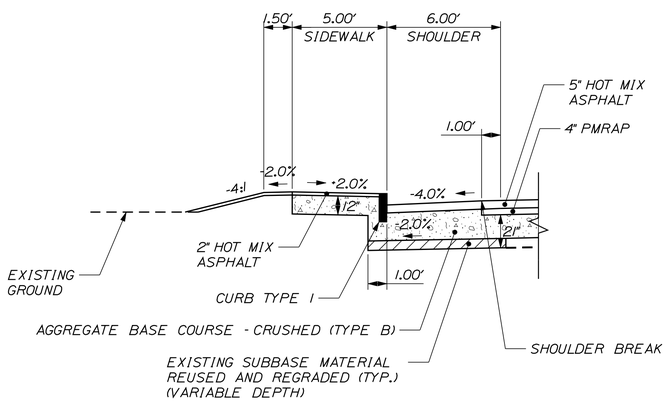
GUARDRAIL WITH CURB SECTION



NOTE: SEE STANDARD DETAIL 606(09) FOR TERMINAL GRADING

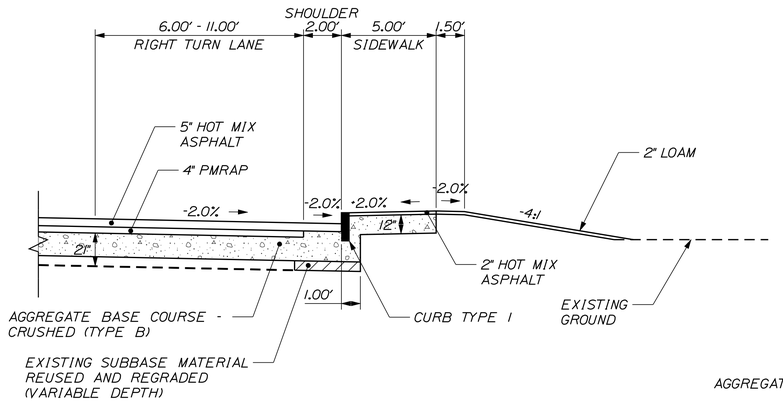
AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER 62.49 CY/100 LF
STATION TO STATION
1331+03 TO 1333+79 RT

6' SIDEWALK WITH GUARDRAIL SECTION



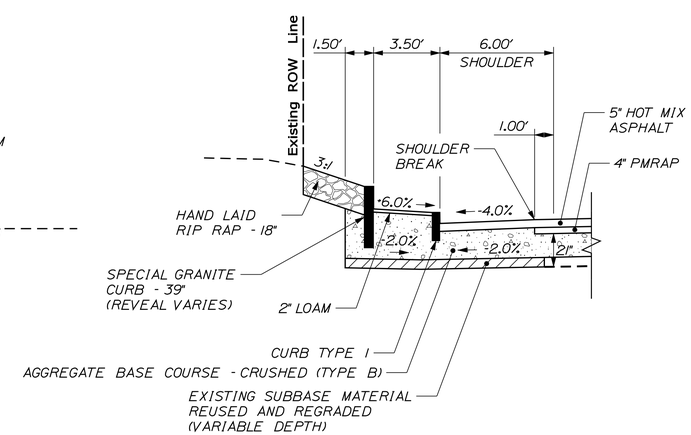
AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1346+75 TO 1350+85 LT

5' SIDEWALK SECTION



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
AUXILIARY LANE & SHOULDER VARIES CY/100 LF
STATION TO STATION
1349+11 TO 1350+93 RT

AUXILIARY LANE SECTION



AGGREGATE BASE COURSE - CRUSHED (TYPE B)
SHOULDER VARIES CY/100 LF
STATION TO STATION
1357+81 TO 1359+50 LT

SPECIAL BACK CURB SECTION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	
DESIGN3-DETAILED3	---	---	
REVISIONS 1	---	---	
REVISIONS 2	---	---	
REVISIONS 3	---	---	
REVISIONS 4	---	---	
FIELD CHANGES	---	---	

SIGNATURE

P.E. NUMBER

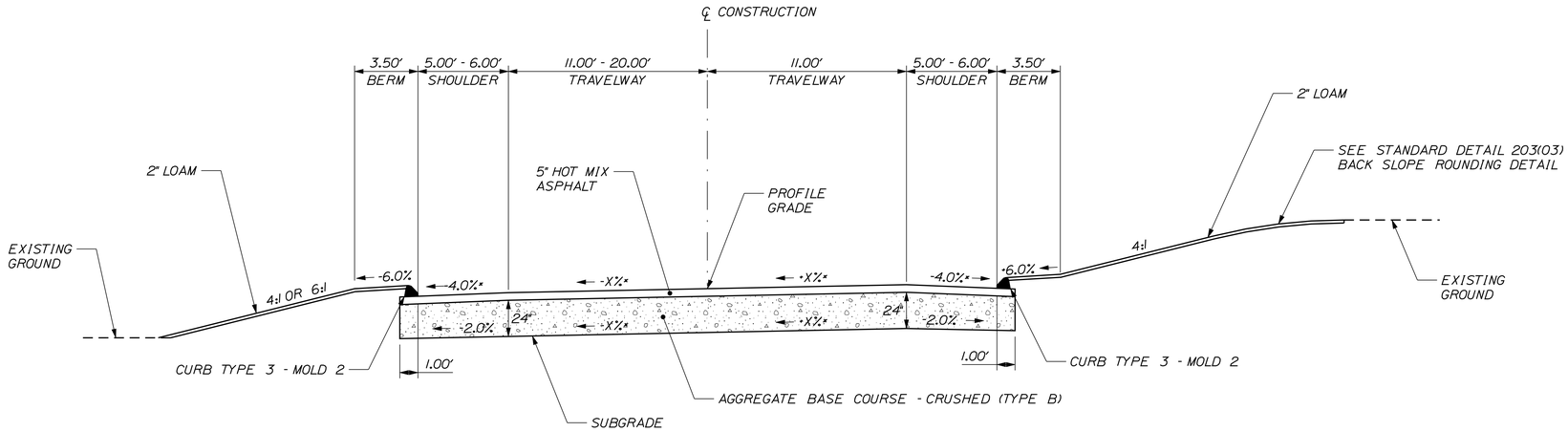
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS

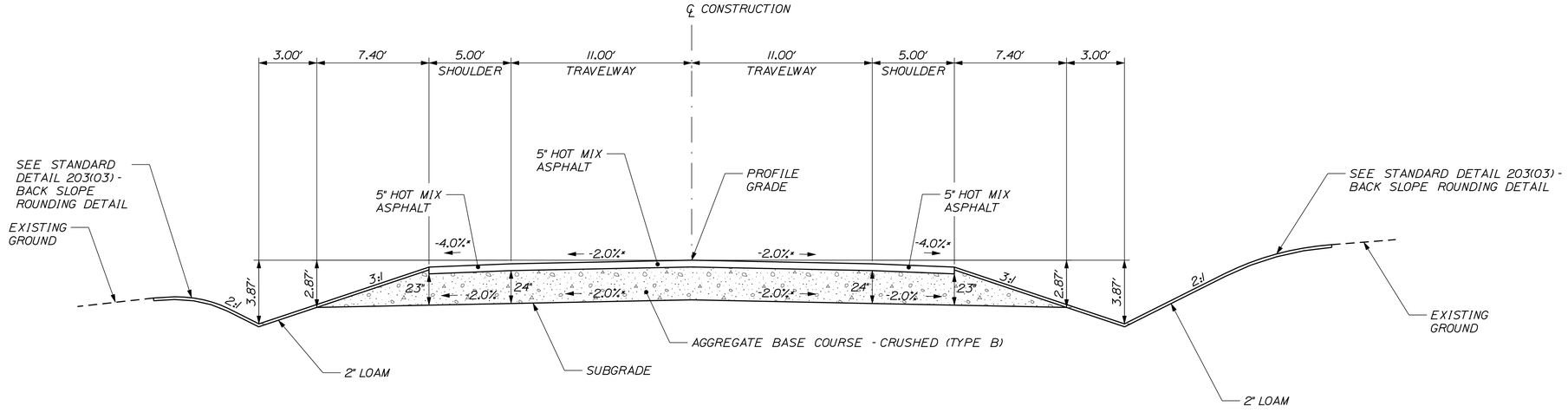
SHEET NUMBER
7
OF 187

Filename: ...\MSTA\007_Typical_06.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 43.11 CY/100 LF	22 FT. TRAVELWAY 162.96 CY/100 LF	RIGHT SHOULDER 43.11 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
200+22 TO 203+42 LT	200+22 TO 203+42	200+22 TO 203+42 RT

ROUTE 179
RECONSTRUCTION
SUPERELEVATED



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 63.22 CY/100 LF	22 FT. TRAVELWAY 162.96 CY/100 LF	RIGHT SHOULDER 63.22 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
203+42 TO 204+25 LT	203+42 TO 204+25	203+42 TO 204+25 RT

ROUTE 179
RECONSTRUCTION
NORMAL

NOTE:

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

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

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

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" 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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

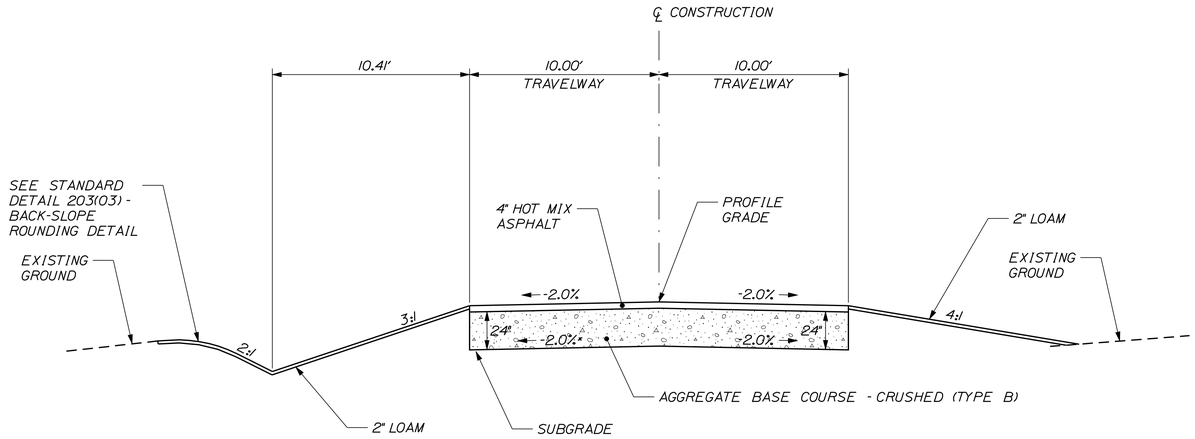
TYPICAL SECTIONS

SHEET NUMBER

8

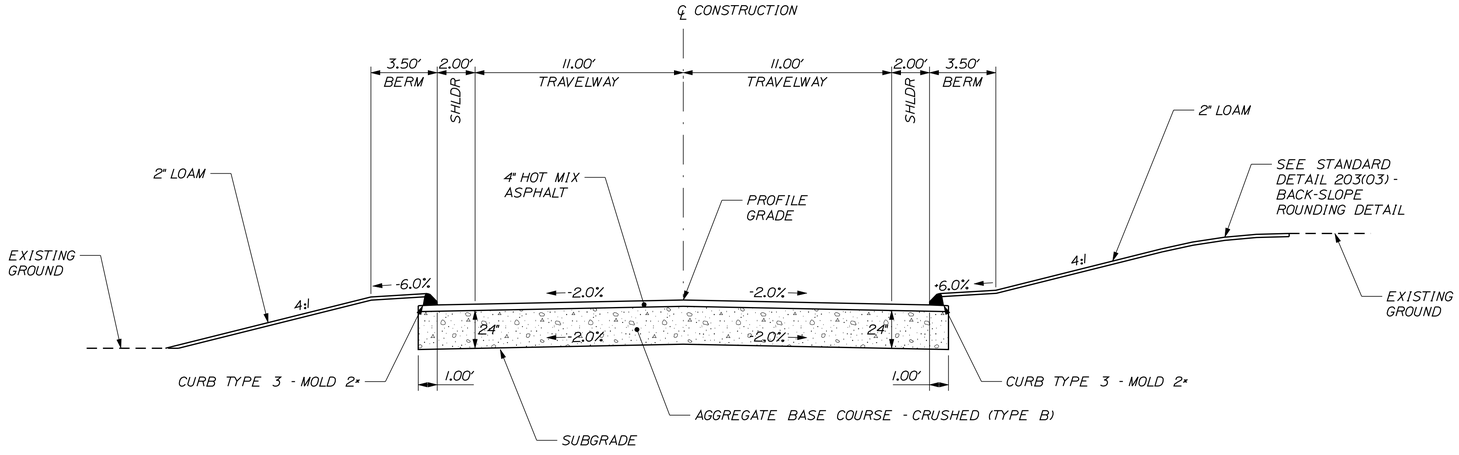
OF 187

Filename: ...\MSTA\008_Typical_07.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER	20 FT. TRAVELWAY 175.93 CY/100 LF	RIGHT SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
99+25 TO 101+06 LT	99+25 TO 101+06 (SHORE ROAD)	99+25 TO 101+12 RT
70+85 TO 72+45 LT	70+85 TO 72+45 (OLD MILL ROAD)	70+85 TO 72+45 RT

SHORE ROAD
OLD MILL ROAD
RECONSTRUCTION
NORMAL



*SHORE ROAD - USE VERTICAL CURB TYPE 1

AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 23.91 CY/100 LF	22 FT. TRAVELWAY 162.96 CY/100 LF	RIGHT SHOULDER 23.911 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
101+06 TO 101+62 LT	101+06 TO 101+62 (SHORE ROAD)	101+12 TO 101+62 RT
80+16 TO 81+50 LT	80+16 TO 81+50 (OLD ROUTE 179)	80+16 TO 81+50 RT

SHORE ROAD
OLD ROUTE 179
RECONSTRUCTION
NORMAL

NOTE:

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

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

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

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" 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.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

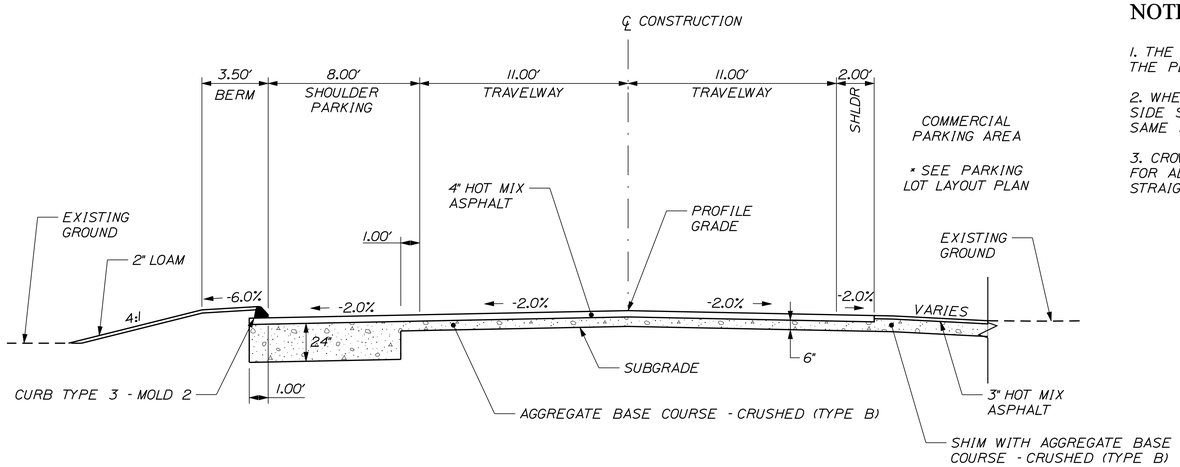
DATE

ELLSWORTH
SIDE ROADS

TYPICAL SECTIONS

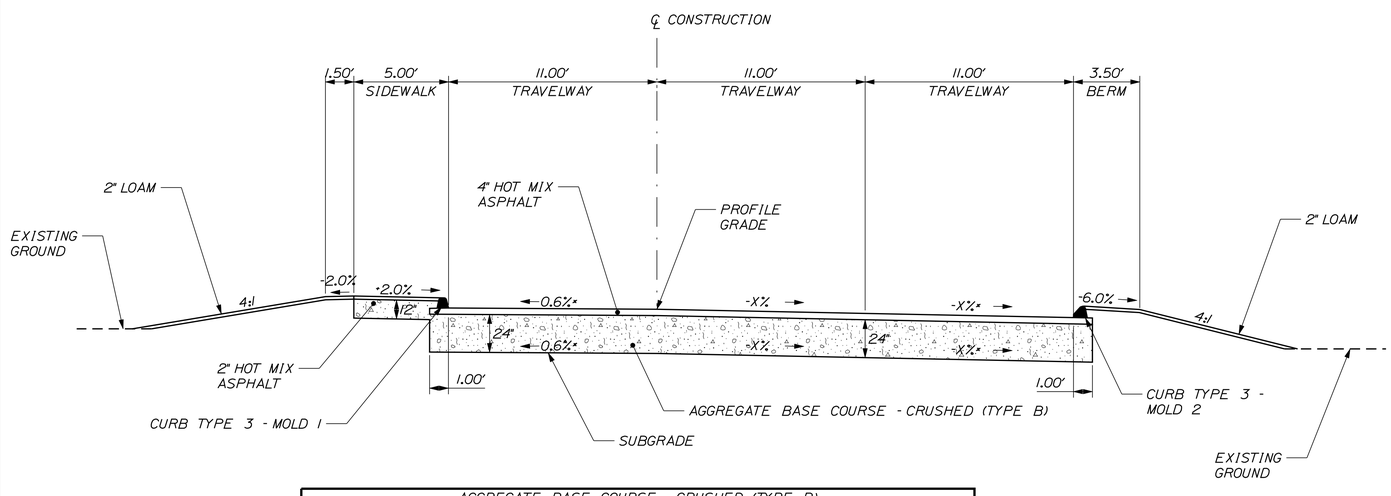
SHEET NUMBER
9
OF 187

Filename: ...\MSTA\009_Typical_08.dgn Division: Highway Username: jhilton Date:3/22/2016



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT SHOULDER 61.12 CY/100 LF	22 FT. TRAVELWAY 40.74 CY/100 LF	RIGHT SHOULDER 3.70 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
81+50 TO 84+00 LT	81+50 TO 84+00	81+50 TO 84+00 RT

OLD ROUTE 179
PAVEMENT REMOVAL & REHABILITATION
NORMAL



AGGREGATE BASE COURSE - CRUSHED (TYPE B)		
LEFT 22.83 CY/100 LF	33 FT. TRAVELWAY 244.44 CY/100 LF	RIGHT 7.41 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
60+05 TO 61+46 LT	60+05 TO 61+46	60+05 TO 61+46 RT

FOREST AVE
RECONSTRUCTION
NORMAL

*NOTE: SEE SUPERELEVATION TABLE ON SHEET 11 FOR CROSS SLOPES.

NOTE:

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

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

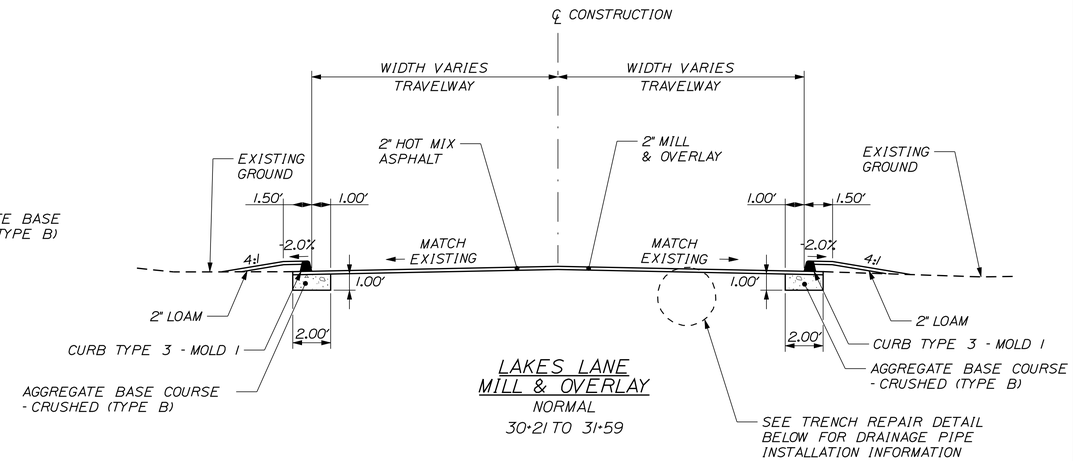
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE AGGREGATE SUBBASE COURSE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

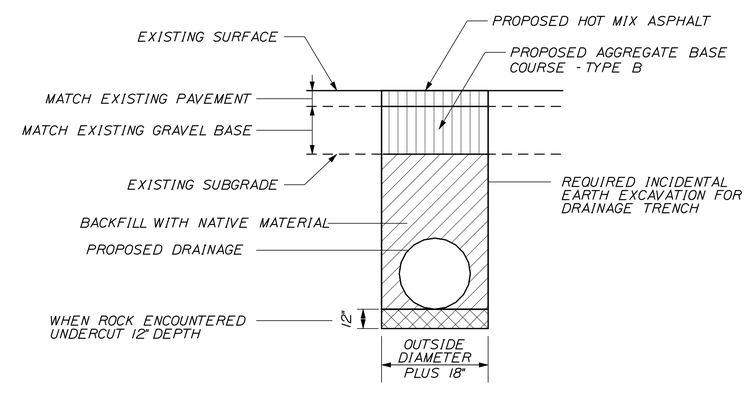
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

7. DEPTH OF LOAM IN LAWN AREAS SHALL BE 4 INCHES.



LAKES LANE
MILL & OVERLAY
NORMAL
30+21 TO 31+59



TRENCH REPAIR DETAIL

TRENCH NOTES

1. EARTH EXCAVATION, AGGREGATE BASE COURSE - TYPE B, AND HOT BITUMINOUS PAVEMENT WITHIN THE AREA SHOWN ▥ SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEM NUMBERS.

2. PAYMENT FOR ALL EXCAVATION OF ANY SLOPING OF TRENCHES REQUIRED FOR SAFETY REASONS AS WELL AS GRAVEL & HOT BITUMINOUS PAVEMENT MATERIALS REQUIRED BEYOND PAY LINES SHALL BE CONSIDERED INCIDENTAL TO PIPE ITEM.

3. ROCK EXCAVATION REQUIRED WITHIN THE AREAS SHOWN ▨ & ▩ SHALL BE PAID FOR UNDER ITEM 206.07

4. DEPTHS OF GRAVEL & PAVEMENT LAYERS IN TRENCH TO BE THE SAME AS EXISTING.

5. HOT MIX ASPHALT
   X" H.M.A., 12.5mm NOMINAL MAXIMUM SIZE, SURFACE
   X" H.M.A., 12.5mm NOMINAL MAXIMUM SIZE, BASE
   AGGREGATE BASE COURSE - TYPE B

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SIDE ROADS

TYPICAL SECTIONS

SHEET NUMBER
10
OF 187

Filename: ...\MSTA\010_Typical_09.dgn Division: Highway Username: jhilton Date:3/22/2016

US ROUTE 1A				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH EXISTING				
-4.0	-1.4	1293+21	-2.3	-4.0
-4.0	-1.5	1293+50	-1.5	-4.0
-4.0	-1.7	1294+00	-0.2	-4.0
-4.0	-1.9	1294+50	1.2	-4.0
-4.0	-2.5	1295+00	2.5	-4.0
FULL SUPERELEVATION				
-4.0	-2.5	1300+50	2.5	-4.0
-4.0	-2.0	1301+00	1.4	-4.0
-4.0	-2.0	1301+50	0.3	-4.0
-4.0	-2.0	1302+00	-0.9	-4.0
-4.0	-2.0	1302+50	-2.0	-4.0
NORMAL CROWN				
-4.0	-2.0	1308+50	-2.0	-4.0
-4.0	-0.8	1309+00	-2.0	-4.0
-4.0	1.3	1309+50	-2.0	-4.0
-4.0	3.4	1310+00	-3.4	-4.0
FULL SUPERELVATION				
-4.0	3.4	1312+50	-3.4	-4.0
-4.0	1.3	1313+00	-2.0	-4.0
-4.0	-1.2	1313+50	-2.0	-4.0
-4.0	-2.0	1314+00	-2.0	-4.0
NORMAL CROWN				*
-4.0	-2.0	1359+50	-2.0	-4.0
MATCH EXISTING		1360+00	MATCH EXISTING	
MATCH EXISTING		1360+50	MATCH EXISTING	
MATCH EXISTING		1361+00	MATCH EXISTING	
END - MATCH EXISTING				

*STA. 1349+00 TO 1351+00 RT SHLDR = -2.0%

US ROUTE 179				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH US ROUTE 1A				
-2.5	-2.3	200+22	2.3	2.3
-4.0	-2.0	200+50	2.0	1.4
REMOVE CROWN				
-4.0	-2.0	202+50	2.0	-4.0
-4.0	-2.0	203+00	1.2	-4.0
-4.0	-2.0	203+50	-1.9	-4.0
-4.0	-3.8	204+00	-2.1	-3.6
MATCH EXISTING		204+18	MATCH EXISTING	
END - MATCH EXISTING				

FOREST AVE				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH EXISTING				
0.6	0.6	60+05	-3.7	-3.7
0.6	0.6	60+50	-2.7	-2.7
0.6	0.6	61+00	-1.6	-1.6
0.6	0.6	61+46	-0.6	-0.6
END - MATCH US ROUTE 1A				

SHORE ROAD				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH EXISTING				
-2.0	-2.0	99+50	-2.9	-2.9
-2.0	-2.0	100+00	-2.0	-2.0
-2.0	-2.0	100+50	-2.0	-2.0
-2.0	-2.0	101+00	-0.5	-0.5
-2.6	-2.6	101+50	2.6	2.6
END - MATCH US ROUTE 1A				

OLD MILL ROAD				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH EXISTING				
-0.5	-0.5	71+50	0.5	0.5
0.4	0.4	72+00	-0.4	-0.4
END - MATCH ROUTE 179				

OLD ROUTE 179				
SUPERELEVATION TABLE				
LT SHLDR %	LT TW %	STATION	RT TW %	RT SHLDR %
START - MATCH ROUTE 179				
3.4	3.4	80+50	-3.4	-3.4
0.7	0.7	81+00	-2.0	-2.0
NORMAL CROWN				
-2.0	-2.0	83+75	-2.0	-2.0
-0.8	-0.8	84+00	-2.0	-2.0
END - MATCH EXISTING				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

TYPICAL SECTIONS -
SUPERELEVATION CHARTS

SHEET NUMBER

11

OF 187

Filename: ...\MSTA\011_SuperTable.dgn Division: Highway Username: jhilton Date:3/22/2016

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY
			WIN 19196.00 US ROUTE 1A	ELLSWORTH WATER & SEWER	ELLSWORTH TRAFFIC SIGNAL
201.11	CLEARING	AC	0.8		
201.23	REMOVING SINGLE TREE TOP ONLY	EA	32		
201.24	REMOVING STUMP	EA	41		
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	EA	39		
202.202	REMOVING PAVEMENT SURFACE	SY	3050		
202.203	PAVEMENT BUTT JOINTS	SY	330		
203.20	COMMON EXCAVATION	CY	17705		
203.21	ROCK EXCAVATION	CY	520		
203.2312	HEALTH AND SAFETY PLAN	LS	1		
203.2333	DISPOSAL / TREATMENT OF SPECIAL EXCAVATION	T	21		
203.25	GRANULAR BORROW	CY	475		
203.33	SPECIAL FILL	CY	34		
206.061	STRUCTURAL EARTH EXC. - DRAIN. MINOR STRUCT. BELOW GRADE	CY	200		
206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	CY	50		
304.15	AGGREGATE BASE COURSE - TYPE B	CY	18600	475	
310.24	4 INCH PLANT MIX RECYCLED ASPHALT PAVEMENT	SY	24800		
403.2081	HOT MIX ASPHALT - 12.5mm NOM. MAX. SIZE (POLYMER MODIFIED)	TON	3325	40	
403.209	HOT MIX ASPHALT - 9.5mm NOMINAL MAX. SIZE (DRIVES & INCID.)	TON	750		
403.211	HOT MIX ASPHALT 9.5mm NOMINAL MAX. SIZE (SHIMMING)	TON	26		
403.213	HOT MIX ASPHALT - 12.5mm NOM. MAX. SIZE (BASE & INTER. CRSE)	TON	6750	110	
409.15	BITUMINOUS TACK COAT, APPLIED	GAL	1550		
508.13	SHEET WATERPROOFING MEMBRANE	LS	1		
511.07	COFFERDAM (UPSTREAM)	LS	1		
511.07	COFFERDAM (DOWNSTREAM)	LS	1		
524.30	TEMPORARY STRUCTURAL SUPPORT	EA	1		
534.71	PRECAST CONCRETE BOX CULVERT (DAVIS BROOK)	LS	1		
534.71	PRECAST CONCRETE BOX CULVERT (STATION 1352+00 RT)	LS	1		
603.132	8 INCH CULVERT PIPE OPT III	LF	16		
603.155	12 INCH RCP CLASS III	LF	39		
603.159	12 INCH CULVERT PIPE OPT III	LF	490		
603.16	15 INCH CULVERT PIPE OPT I	LF	220		
603.165	15 INCH RCP CLASS III	LF	260		
603.169	15 INCH CULVERT PIPE OPT III	LF	215		
603.175	18 INCH RCP CLASS III	LF	320		
603.179	18 INCH CULVERT PIPE OPT III	LF	21		
603.195	24 INCH RCP CLASS III	LF	580		
603.1952	24 INCH RCP CLASS V	LF	780		
603.199	24 INCH CULVERT PIPE OPT III	LF	100		
603.205	30 INCH RCP CLASS III	LF	130		
603.215	36 INCH RCP CLASS III	LF	100		
603.4105	CONCRETE PIPE COLLAR	EA	1		
603.55	CONCRETE PIPE TIES	GROUP	12		
604.072	CATCH BASIN TYPE A1-C	EA	28.5		
604.0752	96" CATCH BASIN TYPE A1-C	EA	4		
604.076	60" CATCH BASIN TYPE A1-C	EA	10		
604.09	CATCH BASIN TYPE B1	EA	7.5		
604.092	CATCH BASIN TYPE B1-C	EA	4		
604.093	60" CATCH BASIN TYPE B1	EA	2.5		
604.0956	96" CATCH BASIN TYPE B1	EA	2.5		
604.0957	96" CATCH BASIN TYPE B1-C	EA	1.2		
604.096	60" CATCH BASIN TYPE B1-C	EA	2.5		
604.097	72" CATCH BASIN TYPE B1-C	EA	1		
604.161	ALTERING CATCH BASIN	EA	1		
604.166	REBUILDING MANHOLE	EA	4		
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	EA	21		
604.243	CATCH BASIN TYPE F3-C	EA	1		
604.244	CATCH BASIN TYPE F4	EA	5		
604.245	CATCH BASIN TYPE F4-C	EA	3		
604.246	CATCH BASIN TYPE F5	EA	3		
604.247	CATCH BASIN TYPE F5-C	EA	6		
604.248	CATCH BASIN TYPE F6	EA	3		
604.249	CATCH BASIN TYPE F6-C	EA	2		
604.252	CATCH BASIN TYPE A5-C	EA	3		
604.26	CATCH BASIN TYPE B5	EA	1		
605.09	6 INCH UNDERDRAIN TYPE B	LF	5650		
605.11	12 INCH UNDERDRAIN TYPE C	LF	900		
605.12	15 INCH UNDERDRAIN TYPE C	LF	2000		
605.13	18 INCH UNDERDRAIN TYPE C	LF	2150		
605.15	24 INCH UNDERDRAIN TYPE C	LF	940		
606.1721	BRIDGE TRANSITION - TYPE I	EA	2		
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	LF	637.5		
606.232	GUARDRAIL TYPE 3C - OVER 15 FT RADIUS	LF	25		
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	EA	1		
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EA	12		
606.356	UNDERDRAIN DELINEATOR POST	EA	28		
606.47	SINGLE WOOD POST	EA	28		
606.51	MULTIPLE MAILBOX SUPPORT	EA	3		
606.79	GUARDRAIL 350 FLARED TERMINAL	EA	5		
607.25	REMOVE AND RESET CHAIN LINK FENCE	LF	40		
608.07	PLAIN CONCRETE SIDEWALK	SY	110		
608.10	BRICK SIDEWALK (REMOVE AND REBUILD)	SY	17		
608.26	CURB RAMP DETECTABLE WARNING FIELD	SF	96		
609.11	VERTICAL CURB TYPE I	LF	8800		
609.111	VERTICAL CURB TYPE I - SPECIAL (24 INCH)	LF	82		

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY
			WIN 19196.00 US ROUTE 1A	ELLSWORTH WATER & SEWER	ELLSWORTH TRAFFIC SIGNAL
609.1111	VERTICAL CURB TYPE I - SPECIAL (39 INCH)	LF	170		
609.12	VERTICAL CURB TYPE I - CIRCULAR	LF	560		
609.19	VERTICAL CURB TYPE 2	LF	7		
609.234	TERMINAL CURB TYPE I - 4 FOOT	EA	41		
609.2341	TERMINAL CURB TYPE I - 4 FOOT CIRCULAR	EA	5		
609.238	TERMINAL CURB TYPE I - 8 FOOT	EA	61		
609.2381	TERMINAL CURB TYPE I - 8 FOOT CIRCULAR	EA	8		
609.26	CURB TRANSITION SECTION B - TYPE I	EA	2		
609.31	CURB TYPE 3	LF	1420		
609.34	CURB TYPE 5	LF	36		
609.35	CURB TYPE 5 - CIRCULAR	LF	78		
610.08	PLAIN RIPRAP	CY	110		
610.16	HEAVY RIP RAP	CY	78		
610.210	STREAM CHANNEL ROCK	CY	20		
613.319	EROSION CONTROL BLANKET	SY	490		
615.07	LOAM	CY	1500		
618.13	SEEDING METHOD NUMBER 1	UNIT	78		
618.14	SEEDING METHOD NUMBER 2	UNIT	59		
618.141	SEEDING METHOD NUMBER 3	UNIT	25		
619.1201	MULCH, PLAN QUANTITY	UNIT	161		
620.58	EROSION CONTROL GEOTEXTILE	SY	300		
626.11	PRECAST CONCRETE JUNCTION BOX	EA			1
626.21	METALLIC CONDUIT	LF			10
626.22	NON-METALLIC CONDUIT	LF	220		305
626.31	18-INCH FOUNDATION	EA			2
626.332	30" DIA., GREATER THAN 8' LONG & ALL 36IN AND 42IN DIA. FNDS	CY			11
626.35	CONTROLLER CABINET FOUNDATION	EA			1
627.407	REFLECTORIZED PLASTIC, WHITE OR YELLOW PAVEMENT MARKING	SF	2160		
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	28200		
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	SF	105		
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF	28200		
629.05	HAND LABOR - STRAIGHT TIME	HR	40		
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	HR	20		
631.11	AIR TOOL (INCLUDING OPERATOR)	HR	20		
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	25		
631.132	SMALL BULLDOZER (INCLUDING OPERATOR)	HR	20		
631.14	GRADER (INCLUDING OPERATOR)	HR	20		
631.15	ROLLER, EARTH AND BASE (INCLUDING OPERATOR)	HR	20		
631.16	ROLLER, PAVEMENT (INCLUDING OPERATOR)	HR	20		
631.172	TRUCK, LARGE (INCLUDING OPERATOR)	HR	20		
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	HR	20		
631.20	STUMP CHIPPER RENTAL (INCLUDING OPERATOR)	HR	40		
631.22	FRONT END LOADER (INCLUDING OPERATOR)	HR	20		
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	HR	10		
639.18	FIELD OFFICE TYPE A	EA	1		
642.15	PRECAST CONCRETE STEPS	EA	3		
643.71	TRAFFIC SIGNAL MODIFICATION: ROUTE 1A & FOREST AVENUE	LS			1
643.83	VIDEO DETECTION SYSTEM: ROUTE 1A & FOREST AVENUE	LS			1
643.91	MAST ARM POLE	EA			4
643.92	PEDESTAL POLE	EA			2
645.103	DEMOUNT GUIDE SIGN	EA	24		
645.106	DEMOUNT REG. WARNING, CONFIRM. AND RTE MARKER ASSBLY. SIGN	EA	96		
645.113	REINSTALL GUIDE SIGN	EA	12		
645.116	REINSTALL REG. WARNING, CONFIRM. & RTE MARKER ASSBLY. SIGN	EA	11		
645.251	ROADSIDE GUIDE SIGNS, TYPE I	SF	49.5		
645.271	REG. WARNING, CONFIRM. AND RTE MARKER ASSBLY. SIGN TYPE I	SF	409		
648.312	BALLAST	T	150		
652.312	TYPE III BARRICADES	EA	17		
652.33	DRUM	EA	22		
652.34	CONE	EA	72		
652.35	CONSTRUCTION SIGNS	SF	470		
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD	369	10	
652.38	FLAGGERS	HR	15000	1000	
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	EA	2		
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	1		
659.10	MOBILIZATION	LS	1		
674.10	PREFABRICATED CONCRETE MODULAR GRAVITY WALL	SF	220		
801.03	TEST PITS	EA		5	
801.07	TEMPORARY SEWER BYPASS	LF		340	
801.131	10" FORCE MAIN	LF		275	
801.18	12" PVC SANITARY SEWER	LF		125	
802.16	4' DIAMETER PRECAST SEWER MANHOLE	EA		1	
812.162	ADJUSTING SEWER MANHOLE TO GRADE	EA		19	
812.164	REBUILD SEWER MANHOLE	EA		4	
812.17	SEWER DROP MANHOLE	EA		1	
822.3152	2" TAPPING SLEEVE AND VALVE	EA		3	
822.3152	6" TAPPING SLEEVE AND VALVE	EA		2	
822.3152	8" TAPPING SLEEVE AND VALVE	EA		1	
822.3254	8" INSERTION VALVE	EA		1	
822.33	6" CLASS 52 D.I. PIPE	LF		920	
822.34	8" CLASS 52 D.I. PIPE	LF		1180	
822.354	10" INSERTION VALVE	EA		3	
822.36	12" CLASS 52 D.I. PIPE	LF		2630	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

ESTIMATED QUANTITIES

SHEET NUMBER

12

OF 187

Filename: ...\HIGHWay\MSTA\012_Estimate.dgn Division: Highway Username: jhilton Date:4/1/2016

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY
			WIN 19196.00 US ROUTE 1A	ELLSWORTH WATER & SEWER	ELLSWORTH TRAFFIC SIGNAL
823.33	6" GATE VALVE AND BOX	EA		2	
823.3251	8" GATE VALVE AND BOX	EA		3	
823.311	12" GATE VALVE AND BOX	EA		3	
824.30	FIRE HYDRANT	EA		7	
824.32	RELOCATE EXISTING HYDRANT	EA		5	
825.312	3/4" CURB STOP AND BOX	EA		34	
825.323	2" BALL VALVE	EA		1	
825.331	1" CURB STOP AND BOX	EA		1	
825.41	3/4" COPPER SERVICES	LF		900	
825.422	2" HDPE WATER MAIN	LF		135	
825.43	1" COPPER SERVICES	LF		50	
825.53	6" WATER SERVICE RECONNECT	EA		1	
825.541	TEMPORARY WATER SERVICE	LF		3980	
827.301	ROCK EXCAVATION WATER MAIN	CY		20	
827.302	UNSUITABLE SOIL EXCAVATION - BELOW GRADE	CY		100	
827.312	SELECT BACKFILL	CY		100	
827.33	TRENCH INSULATION	LF		975	
832.07	OWNER'S TESTING ALLOWANCE	ALLOW		1	
841.481	REMOVABLE BOLLARDS	EA	3		

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	19,946	
EARTH FROM DRIVES, OLD ROAD, ETC.	2,737	
GRUBBING IN FILL	429	
PAVEMENT REMOVAL (ITEM 310.24)	-5,407	
TOTAL COMMON EXCAVATION		17,705

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	3,832	
FILL FOR DRIVES	37	
GRUBBING IN FILL	429	
TOTAL FILL		4,298

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	520	
TOTAL ROCK EXCAVATION		520

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION		17,705
DEDUCTIONS:		
GRUBBING IN CUT	1,499	
GRUBBING IN FILL	429	
(2) TOTAL DEDUCTIONS		1,928
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		15,777
TOTAL AVAILABLE STRUCT. EXCAVATIONS (UNDERDRAIN ONLY)		3,462
TOTAL AVAILABLE STRUCT. EXCAVATIONS (RIP RAP ONLY)		39
TOTAL AVAILABLE NON-ROCK EXCAVATION		19,278

COMPUTATION OF GRANULAR BORROW FOR ESTIMATE

GRANULAR BORROW TO MAINTAIN TRAFFIC	200		
GRANULAR BORROW FOR CULVERT BEDDING	275		
GRANULAR BORROW =	475	x 1.00 =	475

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3)TOTAL FILL					4,298
TOTAL AVAIL. NON-ROCK EXCAV.	19,278	x 0.90 =	17,350		
TOTAL AVAIL. ROCK EXCAV.	520	x 1.30 =	676		
(4)TOTAL AVAILABLE EXCAVATION				=	18,026
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION					-13,728
SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL					13,728

SURPLUS MATERIAL = 13728 CY

NOTE: QUANTITIES ABOVE ARE REPRESENTED IN CY.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
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CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
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REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

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DATE

ELLSWORTH
US ROUTE 1A (NHS)

ESTIMATED QUANTITIES

SHEET NUMBER

13

OF 187

Filename: ...\highway\msta\013_Earthwork.dgn Division: Highway Username: jhilton Date:3/22/2016

STATION	CULVERT PIPE RCP SIZE	RCP LENGTH	RCP CLASS	CMP SIZE	CMP LENGTH	OPTION I SIZE	OPTION I LENGTH	OPTION III SMOOTHLINED SIZE	SMOOTHLINED LENGTH	CORRUGATED SIZE	CORRUGATED LENGTH	CATCH BASIN A1-C	B1-C	A5-C	B1	B5	F	PIPE ARCH SPAN	RISE	LENGTH	GAGE OR WALL THICKNESS	MH	UNDERDRAIN TYPE B LENGTH	TYPE B OUTLET LENGTH	TYPE C SMOOTHLINED SIZE	SMOOTHLINED LENGTH	CORRUGATED SIZE	CORRUGATED LENGTH	ELBOWS, TEES, WYES AND INLET GRATE UNITS DESCRIPTIONS	REMARKS
CATCH BASINS																														
CB-A1 STA. 1293+61.5, 18.8' LT																	1													F6-C
CB-B1 STA. 1293+61.5, 18.8' RT																	1													F5-C
CB-C1 STA. 1299+50.0, 33.1' RT																	1													F4
CB-C2 STA. 1299+99.7, 28.2' RT																														ALTERING EXISTING CATCH BASIN
CB-D1 STA. 1301+56.8, 18.8' LT												1.25																		5' DIA
CB-D2 STA. 1301+79.3, 18.8' LT												1.125																		5' DIA
CB-D3 STA. 1301+79.3, 18.8' RT												1																		5' DIA
CB-D4 STA. 1302+10.0, 18.8' RT												1																		WITH FLAT TOP
CB-D5 STA. 1306+25.0, 20.8' LT														1.5																
CB-D6 STA. 1306+25.0, 20.8' RT												1																		WITH 1' SUMP
CB-D7 STA. 101+30.0, 25.6' RT																	1													F5
CB-D8 STA. 1307+50.0, 22.1' LT												1.25																		
CB-D9 STA. 1307+50.0, 20.8' RT												1																		WITH 1' SUMP AND FLAT TOP
CB-D10 STA. 1311+00.0, 19.3' LT												1.125																		
CB-D11 STA. 1312+50.0, 19.3' RT																	1													F4-C - WITH 0.74' SUMP
CB-D12 STA. 1313+12.1, 30.6' LT																	1													F4 - WITH 1.48' SUMP
CB-D13 STA. 1313+12.1, 19.3' LT												1																		WITH 1' SUMP AND FLAT TOP
CB-D14 STA. 1313+12.1, 19.3' RT												1																		WITH FLAT TOP
CB-D15 STA. 1313+75.0, 24.7' LT																	1													F4 - WITH 1.07' SUMP
CB-D16 STA. 1313+75.0, 19.3' LT																	1													F5-C - WITH 1.57' SUMP
CB-D17 STA. 1315+07.0, 19.3' RT														1.125																
CB-E1 STA. 200+42.1, 30.0' LT													1																	5' DIA - WITH FLAT TOP
CB-E2 STA. 201+00.0, 26.8' LT													1																	WITH FLAT TOP
CB-E3 STA. 201+00.0, 14.8' RT													1																	WITH FLAT TOP
CB-E4 STA. 1307+44.3, 42.0' LT															1															WITH FLAT TOP
CB-E5 STA. 1309+37.0, 39.3' LT															1															
CB-E6 STA. 83+75.4, 36.2' RT													1.125																	5' DIA
CB-E7 STA. 83+63.9, 19.7' LT													1																	CONNECT EXISTING 18" CPP
CB-E8 STA. 1312+40.7, 63.0' LT															1															WITH FLAT TOP
CB-E9 STA. 1314+27.6, 118.1' LT															1															5' DIA - WITH FLAT TOP
CB-E10 STA. 1314+26.3, 133.4' LT													1																	5' DIA - WITH FLAT TOP
CB-F1 STA. 203+40.0, 25.1' LT															1															WITH FLAT TOP
CB-F2 STA. 203+40.0, 23.6' RT																	1													F6
CB-F3 STA. 204+00.0, 22.5' RT																	1													F6
CB-G1 STA. 31+49.4, 13.8' RT																	1													F5-C
CB-G2 STA. 1316+52.2, 27.5' LT												1.125																		
CB-G3 STA. 1319+00.0, 20.8' LT												1.25																		
CB-G4 STA. 1320+50.0, 20.8' RT												1																		WITH FLAT TOP
CB-G5 STA. 1322+51.9, 20.8' LT																	1													F6-C - WITH 1.30' SUMP
CB-G6 STA. 1322+51.9, 20.8' RT																	1													F5-C
CB-G7 STA. 1322+90.0, 20.8' LT												1																		5' DIA - WITH FLAT TOP
CB-G8 STA. 1322+90.0, 20.8' RT												1																		WITH FLAT TOP
CB-G9 STA. 1325+65.0, 20.8' LT																	1													F5-C
CB-H1 STA. 1329+40.0, 29.5' LT																	1													F4
CB-H2 STA. 1329+40.0, 20.8' LT												1																		WITH FLAT TOP
CB-H3 STA. 1331+71.4, 20.8' LT												1																		WITH 1' SUMP
CB-J1 STA. 1331+71.4, 20.8' RT												1																		
CB-K1 STA. 1332+50.0, 20.8' LT												1																		
CB-K2 STA. 1335+20.0, 20.8' LT												1.125																		
CB-L1 STA. 1332+50.0, 20.8' RT												1																		
CB-L2 STA. 1335+20.0, 20.8' RT												1.125																		
CB-L3 STA. 1335+20.0, 35.5' RT																	1													F5
CB-M1 STA. 1340+50.0, 20.8' RT																	1													F4-C - WITH 0.42' SUMP
CB-M2 STA. 1340+65.0, 32.7' RT															1															
CB-M3 STA. 1341+14.5, 29.1' RT																1														
CB-M4 STA. 1343+00.0, 21.8' LT												1																		
CB-M5 STA. 1345+15.0, 21.8' RT																	1													F3-C - WITH 0.33' SUMP
CB-M6 STA. 1345+15.0, 30.0' RT															1.5															5' DIA - WITH SOLID COVER AND FLAT TOP
CB-M7 STA. 1346+00.0, 21.8' LT												1																		5' DIA - WITH FLAT TOP
CB-M8 STA. 1347+03.3, 21.8' LT												1.125																		5' DIA - WITH FLAT TOP
CB-M9 STA. 1347+00.0, 21.8' RT																	1													F4-C - WITH 0.33' SUMP
CB-M10 STA. 1347+00.0, 31.0' RT															1.125															WITH SOLID COVER
CB-M11 STA. 1348+86.0, 21.8' RT																	1													F5-C
CB-M12 STA. 1348+86.0, 31.0' RT															1															WITH SOLID COVER
CB-M13 STA. 1349+50.0, 39.5' LT																	1													F4
CB-M14 STA. 1349+50.0, 21.8' LT												1.125																		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

DRAINAGE SHEET

SHEET NUMBER

14

OF 187

Filename: ...\msta\014_Drainage_01.dgn Division: Highway Username: jhilton Date:3/22/2016

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	A5-C	B1	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CATCH BASINS (CONT'D)																												
CB-M15 STA. 1350+34.0, 21.8' LT												1.125																
CB-M16 STA. 1350+90.0, 28.8' RT												1																
CB-M17 STA. 61+20.3, 33.9' LT																1												F5
CB-M18 STA. 61+37.0, 26.9' LT												1.125																
CB-M19 STA. 1351+66.0, 21.8' LT															1.125													8' DIA FLAT TOP - WITH SOLID COVER
CB-M20 STA. 61+15.0, 20.9' RT												1.25																8' DIA FLAT TOP WITH 3' SUMP CENTER OF STRUCTURE = STA 61+17.9, 21.7' RT
CB-M21 STA. 60+81.0, 20.8' RT													1															
CB-M22 STA. 61+16.7, 41.8' RT													1.125															8' DIA FLAT TOP
CB-M23 STA. 1352+00.4, 30.0' LT																1												F6
CB-M24 STA. 1352+00.4, 21.8' LT												1.25																8' DIA FLAT TOP
CB-M25 STA. 1352+00.4, 23.6' RT												1.25																8' DIA FLAT TOP CENTER OF STRUCTURE= STA 1351+98.0, 21.8' RT
CB-M26 STA. 1352+00.4, 47.2' RT															1.125													8' DIA FLAT TOP - WITH SOLID COVER
CB-M27 STA. 1355+30.8, 21.8' LT												1																
CB-N1 STA. 1356+84.5, 24.3' LT												1																
CB-N2 STA. 1357+30.6, 23.5' LT												1																5' DIA - CONNECT EXISTING 24" CPP
CB-N3 STA. 1357+92.9, 21.8' LT												1																
CB-N4 STA. 1357+92.9, 21.8' RT												1																
CB-N5 STA. 1358+31.0, 21.8' LT												1.125																5' DIA
CB-N6 STA. 1358+31.0, 21.8' RT												1.25																5' DIA
UNDERDRAIN																												
STA. 1298+00.0 RT TO CB-C2																					203'							
STA. 1300+15.9 RT TO CB-D3																					163'							
CB-D1 TO CB-D2																							24"	18'				
CB-D2 TO CB-D5																							18"	442'				
CB-D3 TO CB-D4																							18"	27'				
CB-D4 TO STA. 1306+17.0 RT																					405'							
CB-D8 TO CB-D10																							18"	350'				
CB-D9 TO STA. 1310+70.4 RT																					314'							
CB-D10 TO CB-D13																							18"	214'				
STA. 1310+79.5 RT TO CB-D11																					166'							
CB-D11 TO CB-D14																							12"	60'				
CB-D13 TO CB-D16																							12"	61'				
CB-D14 TO CB-D17																							15"	192'				
CB-D15 TO STA. 1316+03.7 LT																					232'							
CB-D17 TO STA. 1316+30.0 RT																					121'							
CB-E1 TO CB-E2																							15"	54'				
CB-E2 TO STA. 202+94.8 LT																					188'							
CB-E3 TO STA. 80+69.6 RT																					107'							
STA. 1316+40.0 RT TO CB-G4																					409'							
CB-G2 TO CB-G3																							15"	246'				
CB-G3 TO CB-G5																							15"	349'				
CB-G4 TO CB-G6																							12"	201'				
CB-G5 TO CB-G7																							15"	35'				
CB-G6 TO CB-G8																							15"	36'				
CB-G7 TO CB-G9																							18"	270'				
CB-G8 TO STA. 1326+36.4 RT																					348'							
CB-G9 TO STA. 1326+40.0 LT																					74'							
STA. 1326+46.4 LT TO CB-H2																					292'							
CB-H2 TO CB-H3																							15"	229'				
STA. 1326+46.4 RT TO CB-J1																					523'							
CB-K1 TO CB-K2																							12"	266'				
CB-K2 TO STA. 1338+68.3 LT																					347'							
CB-L1 TO CB-L2																							12"	266'				
CB-L2 TO STA. 1338+68.3 RT																					347'							
STA. 1338+78.2 LT TO CB-M4																					420'							
STA. 1338+78.2 RT TO CB-M1																					171'							
CB-M3 TO CB-M6																							18"	395'				
CB-M4 TO CB-M7																							15"	296'				
CB-M6 TO CB-M10																							18"	181'				
CB-M8 TO CB-M14																							24"	242'				
CB-M10 TO CB-M12																							18"	181'				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

DRAINAGE SHEET

SHEET NUMBER

15

OF 187

Filename: ...\msta\015_Drainage_02.dgn Division: Highway Username: jhilton Date:3/22/2016

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH				MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III														TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS		TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	A5-C	B1	F	SPAN	RISE	LENGTH			LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
UNDERDRAIN (CONT'D)																													
CB-MI2 TO CB-MI6																								24"	200'				
CB-MI4 TO CB-MI5																								24"	80'				
CB-MI6 TO CB-MI8																								24"	38'				
STA. 60+33.9 LT TO CB-MI7																						97'						45° ELBOW	
CB-M21 TO CB-M20																								15"	30'				
STA. 60+10.1 RT TO CB-M21																								15"	70'				CONNECT TO EXISTING CB @ 60+08.06 RT
CB-M24 TO CB-M27																								15"	325'				
CB-M25 TO STA. 1355+89.4 RT																						388'							
CB-M27 TO STA. 1355+76.4 LT																						44'							
STA. 1355+99.4 LT TO CB-NI																						83'							
STA. 1355+99.4 RT TO CB-N4																						192'							
CB-NI TO CB-N2																								18"	44'				
CB-N2 TO CB-N3																								24"	57'				
CB-N3 TO CB-N5																								24"	35'				
CB-N4 TO CB-N6																								12"	35'				
CB-N5 TO STA. 1360+95.3 LT																								24"	262'				CONNECT TO EXISTING CB @ 1360+97.32 LT
CB-N6 TO STA. 1359+44.7 RT																								15"	112'				CONNECT TO EXISTING CB @ 1359+46.66 RT
DRIVEWAY CULVERTS																													
STA. 1294+52.8 RT TO STA. 1294+85.6 RT						15"	34'																						
STA. 1295+26.4 RT TO STA. 1295+60.0 RT						15"	34'																						
STA. 1295+65.1 LT TO STA. 1295+95.9 LT						15"	32'																						
STA. 1304+88.3 RT TO STA. 1305+13.3 RT						15"	26'																						
STA. 1336+06.1 RT TO STA. 1336+34.1 RT						15"	28'																						
STA. 1348+55.4 LT TO STA. 1348+83.0 LT						15"	28'																						
STA. 204+13.1 RT TO STA. 204+47.0 RT						15"	34'																						
ROADWAY CULVERTS																													
CB-AI TO STA. 1293+61.5 LT								12"	20'																				
CB-BI TO STA. 1293+61.5 RT								12"	16'																				INSTALL BETWEEN GUARDRAIL POSTS
CB-CI TO CB-C2								15"	48'																				
CB-C2 TO STA. 1300+00.0 LT	15"	64'	III																										CONCRETE PIPE TIES - 2 GROUPS
STA. 1301+00.0 LT TO CB-DI								12"	57'																				
CB-DI TO STA. 1301+56.8, 24.6' LT	24"	3'	III																										CONCRETE PIPE COLLAR
CB-D3 TO CB-D2	24"	33'	III																										
STA. 1302+10.0 RT TO CB-D4								15"	15'																				
CB-D6 TO CB-D5	15"	39'	III																										
CB-D7 TO CB-D6	15"	96'	III																										
CB-D8 TO CB-D5	18"	121'	III																										
CB-D9 TO CB-D7								12"	47'																				
CB-DI2 TO CB-DI3								12"	9'																				
CB-DI4 TO CB-DI3	15"	35'	III																										
CB-DI5 TO CB-DI6								12"	4'																				
CB-EI TO STA. 1304+06.9 LT	24"	257'	III																										CONCRETE PIPE TIES - 2 GROUPS
CB-E3 TO CB-E2	12"	38'	III																										
CB-E4 TO CB-EI	24"	75'	V																										
CB-E5 TO CB-E4	24"	189'	V																										
CB-E6 TO CB-E5	24"	65'	V																										
CB-E7 TO CB-E6	18"	53'	III																										
CB-E8 TO CB-E6	24"	247'	V																										
CB-E9 TO CB-E8	24"	196'	V																										
CB-EI0 TO CB-E9	24"	10'	III																										
STA. 1314+46.1 LT TO CB-EI0	24"	51'	III																										CONCRETE PIPE TIES - 2 GROUPS
STA. 71+01.6 LT TO STA. 71+01.5 RT	15"	24'	III																										CONCRETE PIPE TIES - 2 GROUPS
CB-FI TO STA. 71+96.8 RT	18"	47'	III																										CONCRETE PIPE TIES - 2 GROUPS
CB-F2 TO CB-FI	18"	46'	III																										
CB-F3 TO CB-F2								15"	56'																				
STA. 31+48.0 RT TO CB-GI								12"	22'																				
CB-GI TO CB-G2								12"	124'																				
STA. 1322+90.0 LT TO CB-G7								18"	9'																				
CB-G7 TO CB-G8	24"	38'	III																										
CB-G8 TO STA. 1322+88.1 RT								24"	22'																				
STA. 1325+65.0 LT TO CB-G9								15"	12'																				
CB-HI TO CB-H2								12"	7'																				
CB-H3 TO STA. 1331+71.4 LT								15"	14'																				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

DRAINAGE SHEET

SHEET NUMBER
16
OF 187

Filename: ...\msta\016_Drainage_03.dgn Division: Highway Username: jhilton Date:3/22/2016

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	A5-C	B1	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
ROADWAY CULVERTS (CONT'D)																												
CB-J1 TO STA. 1331+71.4 RT								12"	29'																			
CB-K1 TO STA. 1332+50.0 LT								12"	11'																			
CB-L1 TO STA. 1332+50.0 RT								12"	19'																			
CB-L3 TO CB-L2								12"	12'																			
CB-M1 TO CB-M2								12"	16'																			
CB-M2 TO CB-M3	18"	48'	III																									
CB-M5 TO CB-M6								12"	6'																			
STA. 1345+22.4 RT TO CB-M6								15"	45'																			
STA. 1346+00.0 LT TO CB-M7								24"	14'																			
CB-M7 TO CB-M8	24"	98'	III																									
STA. 1346+73.2 LT TO STA. 1346+86.5 LT								12"	14'																			
STA. 1346+93.3 LT TO CB-M8								12"	23'																			
CB-M9 TO CB-M10								12"	7'																			
CB-M11 TO CB-M12								12"	6'																			
STA. 1348+86.0 RT TO CB-M12								18"	11'																			
CB-M13 TO CB-M14								15"	15'																			
CB-M15 TO CB-M19	30"	127'	III																									
CB-M17 TO CB-M18								12"	15'																			
CB-M18 TO CB-M20	24"	46'	III																									
STA. 1351+63.6 LT TO CB-M19	36"	24'	III																									CAP END WITH 24" DIA. TEMPORARY OPENING
CB-M19 TO CB-M24	36"	28'	III																									
CB-M20 TO CB-M22								24"	14'																			
CB-M22 TO EXISTING								24"	8'																			CONNECT TO EXISTING 24" PIPE
CB-M22 TO EXISTING								8"	8'																			CONNECT TO EXISTING 8" PIPE
CB-M23 TO CB-M24								15"	4'																			
CB-M24 TO CB-M25	36"	37'	III																									
CB-M25 TO CB-M26																												2'H x 4'W x 20'L PRE-CAST BOX CULVERT
CB-M26 TO CB-M22								36"	7'																			
CB-M26 TO EXISTING								12"	8'																			CONNECT TO EXISTING 12" PIPE
CB-M27 TO EXISTING								8"	5'																			CONNECT TO EXISTING 8" PIPE
STA. 1356+83.6 LT TO CB-N1								12"	7'																			CONNECT TO EXISTING CB @ 1356+83.62 LT
STA. 1358+29.9 LT TO CB-N5								24"	17'																			CONNECT TO EXISTING CB @ 1358+29.75 LT
CB-N5 TO CB-N6	24"	39'	III																									
CB-N6 TO STA. 1358+31.3 RT								24"	14'																			CONNECT TO EXISTING CB @ 1358+31.32 RT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

DRAINAGE SHEET

SHEET NUMBER

17

OF 187

Filename: ...\msta\017_Drainage_04.dgn Division: Highway Username: jhilton Date:3/22/2016

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
   a. CITY OF ELLSWORTH - WASTEWATER DEPARTMENT
   b. CITY OF ELLSWORTH - WATER DEPARTMENT
   c. EMERA MAINE
   d. FAIRPOINT COMMUNICATIONS
   e. OTT COMMUNICATIONS
   f. TIME WARNER CABLE
   g. UNIVERISTY OF MAINE SYSTEMS

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE UNDER ITEM 202.203 PAVEMENT BUTT JOINT. FOR OVERLAY AREAS ONLY.

4. CONSTRUCT BUTT JOINTS AT ALL PAVED DRIVES AND ENTRANCES. FOR OVERLAY AREAS ONLY.

5. A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USES OF MILLINGS OR RAP WILL NOT ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON.

6. TEMPORARY RAMPS SHALL BE CONSTRUCTED WITH ONE FOOT OF LENGTH FOR EVERY 1/4" OF TRANSITION DEPTH ON THE LEADING AND THE TRAILING END. MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.

7. GRIND TRANSITION TAPERS AT CATCH BASINS UNDER ITEM 202.203 PAVEMENT BUTT JOINTS, AS DIRECTED BY THE RESIDENT.

8. CLEARING LIMITS SHALL BE 10' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

9. 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.

10. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 6 INCHES. GRUBBING WILL NOT BE PAID FOR WHERE DRAINAGE PIPE AND STRUCTURES ARE INSTALLED.

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

12. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

13. 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.

14. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

15. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.

16. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL.

17. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH:
    2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

18. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH:
    3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.

19. 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.

20. CRUSHED STONE ENTRANCES SHALL BE CONSTRUCTED WITH 12" AGGREGATE BASE COURSE CRUSHED (TYPE B) AND 2" CRUSHED STONE SURFACE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

21. GRASSED ENTRANCES SHALL BE CONSTRUCTED WITH 12" AGGREGATE BASE COURSE CRUSHED (TYPE B) AND 2" LOAM, SEED & MULCH UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

22. A 3' PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

23. 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.

24. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.

25. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.

26. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

27. GRANULAR BORROW USED UNDER PIPES SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL.

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

29. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT, OR AS NOTED ON THE PLANS.

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

31. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES.

32. AI-C AND BI-C CATCH BASINS SHALL BE SHAPE 1 WITH HAUNCHED CONE, AS PER STANDARD DETAIL 604(02), UNLESS OTHERWISE NOTED ON THE PLANS.

33. PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6-INCH TYPE B UNDERDRAIN.

34. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.

35. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.

36. AS DIRECTED BY THE RESIDENT, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

37. ALL UNDERDRAIN NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 5.5 FEET BELOW FINISH GRADE DIRECTLY ABOVE THE UNDERDRAIN AND UNDERDRAIN SAND BACKFILL PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.

38. ALL CONNECTIONS FOR UNDERDRAIN TO ROADWAY CULVERTS WILL BE INCIDENTAL TO UNDERDRAIN PIPE ITEMS.

39. A 3 FT. X 3 FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT UNDERDRAIN OUTLETS.

40. 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.

41. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.

42. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END.

43. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.

44. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT THE END OF EACH SECTION OF BITUMINOUS CURB.

45. CONNECTIONS FOR PROPOSED GUARDRAIL TO EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO ITEM 606.

46. 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.

47. 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.

48. 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. SEEDING METHOD NO. 3 SHALL BE UTILIZED ON ALL GUARDRAIL FILL SLOPES. ON LONG NON-GUARDRAIL BACKSLOPES, SEEDING METHOD NO. 3 MAY BE USED INSTEAD OF METHOD NO. 2 IF NOTED OR DIRECTED BY THE RESIDENT.

49. 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.

50. WHITE PAVEMENT/CURB MARKING (ITEM 627.75) SHALL BE APPLIED TO BITUMINOUS CURB ENDS AT DRIVEWAY OPENINGS AS DIRECTED BY THE RESIDENT.

51. 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

52. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.

53. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MAINEDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT.

54. 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.

55. THE GEOTECHNICAL REPORT FOR THIS PROJECT: SERIES 100 SOILS REPORT 2015-118 ELLSWORTH ROUTE 1A IS AVAILABLE AT THE MAINEDOT WEBSITE. HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/.

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

57. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

58. RAILROAD CONSTRUCTION AND RELOCATION WILL BE PAID FOR UNDER THE APPROPRIATE HOURLY EQUIPMENT RENTALS AS DETERMINED BY THE RESIDENT ENGINEER.

59. PARKING AREAS LOCATED ON OLD ROUTE 179 (STA. 81+20 RT) AND ON OLD MILL ROAD (STA. 72+26 LT) SHALL BE CONSTRUCTED TO THE COMMERCIAL UNPAVED DRIVEWAY STANDARD SEE GENERAL NOTE 20.

60. ALL EXISTING GUARDRAIL SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.

61. ITEM 524.30 - TEMPORARY STRUCTURAL SUPPORT INTENDED AS COMPENSATION FOR MAINTENANCE OF TRAFFIC AT DAVIS BROOK (STATION 1332+14) AS DEFINED IN SPECIAL PROVISION 105.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016	SIGNATURE
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	P.E. NUMBER
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	DATE
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

ELLSWORTH
US ROUTE 1A (NHS)

GENERAL NOTES

SHEET NUMBER
18
OF 187

Filename: ...\MSTA\018_GeneralNotes.dgn Division: Highway Username: jhilton Date:3/29/2016

CONSTRUCT THE FOLLOWING DRIVES AND ENTRANCES

STATION	OFFSET	TYPE	OPENING WIDTH
US ROUTE 1A			
1294+68	RT	GRAVEL	50.0'
1295+44	RT	GRAVEL	48.8'
1295+81	LT	GRAVEL	48.2'
1297+50	RT	PAVED	50.3
1300+00	RT	GRAVEL	36.0'
1300+50	RT	GRAVEL	36.0'
1301+50	RT	GRAVEL	36.0'
1305+00	RT	GRAVEL	26.0'
1309+50	RT	GRAVEL	36.0'
1310+25	RT	PAVED	35.7'
1311+00	RT	PAVED	35.7'
1311+87	RT	GRAVEL	26.0'
1313+00	RT	GRAVEL	42.0'
1313+50	LT	GRAVEL	26.0'
1314+00	LT	GRAVEL	50.0'
1314+85	RT	GRAVEL	26.0'
1315+41	LT	GRAVEL	26.0'
1317+00	RT	PAVED	38.2'
1317+25	LT	PAVED	40.7'
1317+50	RT	PAVED	28.0'
1318+22	RT	PAVED	26.0'
1318+34	LT	PAVED	29.2'
1318+50	RT	GRAVEL	37.2'
1319+50	RT	PAVED	65.2'
1320+00	LT	GRAVEL	34.3'
1321+00	RT	PAVED	67.7'
1323+50	LT	GRAVEL	49.0'
1324+25	RT	PAVED	31.3'
1324+50	RT	PAVED	17.5'
1324+50	LT	PAVED	26.0'
1325+00	RT	PAVED	26.0'
1326+00	LT	GRAVEL	32.4'
1326+00	RT	PAVED	26.0'
1327+50	RT	PAVED	26.0'
1327+75	LT	PAVED	92.3'
1328+00	RT	PAVED	26.0'
1329+61	LT	GRAVEL	26.0'
1330+00	RT	GRAVEL	26.0'
1330+70	LT	GRAVEL	26.0'
1331+06	RT	GRAVEL	26.0'
1334+29	LT	GRAVEL	26.0'
1335+00	RT	GRAVEL	26.0'
1335+50	LT	GRAVEL	26.0'
1336+20	RT	GRAVEL	26.0'
1336+20	LT	GRAVEL	26.0'
1338+05	RT	PAVED	26.0'
1339+40	LT	GRAVEL	36.0'
1339+59	RT	PAVED	26.0'
1342+91	RT	PAVED	26.0'
1345+61	RT	PAVED	43.0'
1345+85	RT	PAVED	43.0'
1347+81	LT	PAVED	26.0'
1348+68	LT	PAVED	26.0'
1350+34	RT	GRAVEL	26.0'
1354+75	LT	PAVED	57.6'
1356+00	LT	PAVED	43.4'
1357+00	LT	PAVED	51.4'
1357+50	LT	PAVED	55.2'
1359+28	RT	PAVED	53.9'
1359+50	RT	PAVED	54.3'
US ROUTE 179			
204+30	RT	GRAVEL	18.6'
SHORE ROAD			
99+38	RT	GRAVEL	32.0'
99+65	LT	PAVED	46.2'
99+86	RT	GRAVEL	34.6'
100+14	LT	GRAVEL	53.0'
101+00	LT	GRAVEL	30.0'
101+00	RT	GRAVEL	36.0'
OLD ROUTE 179			
80+75	LT	GRAVEL	29.8'
81+20	RT	GRAVEL	36.0'
81+37	LT	GRAVEL	18.1'
81+75	RT	PAVED	--
82+00	LT	GRAVEL	26.0'
83+00	LT	GRAVEL	35.0'
83+50	RT	PAVED	--
84+00	LT	GRAVEL	--

CONSTRUCT THE FOLLOWING DRIVES AND ENTRANCES

STATION	OFFSET	TYPE	OPENING WIDTH
OLD MILL ROAD			
71+50	RT	PAVED	42.5'
72+26	RT	GRAVEL	40.0'
FOREST AVE			
60+20	LT	PAVED	28.8'

CONSTRUCT THE FOLLOWING WALKWAYS

STATION	OFFSET	DESCRIPTION
US ROUTE 1A		
1317+96	LT	BRICK WALKWAY
1319+60	LT	BRICK WALKWAY
1327+04	RT	PAVED WALKWAY
1334+01	RT	PAVED WALKWAY
1346+39	RT	PAVED WALKWAY
US ROUTE 179		
202+96	RT	PAVED WALKWAY
OLD ROUTE 179		
81+07	LT	CONCRETE WALKWAY

CONSTRUCT THE FOLLOWING PARKING AREAS

STATION	OFFSET	DESCRIPTION
OLD ROUTE 179		
81+20	RT	GRAVEL
82+50	RT	PAVED
OLD MILL ROAD		
72+26	LT	GRAVEL

ITEM 201.11 - CLEARING

STATION	TO	STATION	OFFSET
US ROUTE 1A			
1293+34.5	-	1295+64.0	LT
1296+29.0	-	1296+97.3	LT
1297+17.0	-	1301+89.6	LT
1303+92.8	-	1304+12.4	LT
1304+28.4	-	1304+62.1	LT
1321+12.9	-	1321+52.8	LT
1322+00.6	-	1323+20.8	RT
1322+70.7	-	1322+93.8	LT
1331+65.4	-	1333+50.5	LT
1331+94.9	-	1332+75.8	RT
1336+79.3	-	1337+28.7	RT
1339+88.5	-	1340+12.3	RT
1348+77.8	-	1348+90.8	LT
US ROUTE 179			
200+45.9		201+73.4	LT&RT
OLD MILL ROAD (PARKING AREA)			
71+08.1		71+23.2	RT
72+01.3		72+49.1	RT
US ROUTE 179 / OLD MILL ROAD (HEDGE ROW)			
71+38.0		204+57.0	LT

ITEM 201.23 - REMOVING SINGLE TREE TOP ONLY

STATION	OFFSET		DESCRIPTION
US ROUTE 1A			
1305+37.9	48.1'	LT	18" PINE
1305+42.6	27.8'	RT	18" PINE
1308+77.8	28.6'	RT	18" MAPLE
1323+13.0	35.9'	RT	30" SPRUCE
1324+85.5	24.5'	RT	22" MAPLE
1325+39.6	24.0'	RT	16" MAPLE
1326+55.6	24.9'	RT	14" MAPLE
1328+35.7	25.1'	RT	18" MAPLE
1328+54.1	25.4'	RT	12" MAPLE
1328+93.6	26.1'	RT	24" MAPLE
1330+87.7	34.8'	RT	12" MAPLE
1331+35.7	35.9'	RT	12" MAPLE
1331+67.9	30.5'	RT	36" OAK
1332+55.1	29.6'	RT	38" OAK
1333+02.7	23.9'	LT	34" OAK
1333+44.5	23.0'	LT	40" OAK
1333+98.3	23.9'	LT	36" OAK
1334+19.1	31.4'	RT	36" OAK
1334+60.8	20.7'	LT	12" OAK
1334+66.6	32.0'	RT	14" OAK
1334+70.7	30.2'	RT	20" OAK TWIN
1337+49.3	24.0'	LT	18" CLUMP 5 HORSE CHESTNUT

ITEM 201.23 - REMOVING SINGLE TREE TOP ONLY

STATION	OFFSET		DESCRIPTION
US ROUTE 1A			
1337+85.7	30.8'	RT	34" MAPLE
1350+18.4	34.6'	LT	12" PINE
1350+30.0	35.9'	LT	14" PINE
US ROUTE 179			
201+08.1	72.6'	RT	12" MAPLE CLUMP 4 TREES
203+24.4	31.3'	RT	14" MAPLE
204+20.5	17.2'	LT	34" DEAD TREE
204+41.6	17.6'	RT	14" MAPLE TWIN
OLD ROUTE 179			
80+89.0	23.0'	RT	18" MAPLE
OLD MILL ROAD			
71+48.9	24.8'	LT	38" MAPLE
71+76.0	24.4'	LT	28" MAPLE

ITEM 201.24 - REMOVING STUMP

STATION	OFFSET		DESCRIPTION
US ROUTE 1A			
1298+80.6	22.7'	LT	18" STUMP
1299+10.3	19.9'	LT	18" STUMP
1305+37.9	48.1'	LT	18" PINE
1305+42.6	27.8'	RT	18" PINE
1308+77.8	28.6'	RT	18" MAPLE
1323+13.0	35.9'	RT	30" SPRUCE
1324+85.5	24.5'	RT	22" MAPLE
1325+39.6	24.0'	RT	16" MAPLE
1326+55.6	24.9'	RT	14" MAPLE
1328+35.7	25.1'	RT	18" MAPLE
1328+54.1	25.4'	RT	12" MAPLE
1328+73.4	25.2'	RT	40" STUMP
1328+93.6	26.1'	RT	24" MAPLE
1330+87.7	34.8'	RT	12" MAPLE
1331+35.7	35.9'	RT	12" MAPLE
1331+67.9	30.5'	RT	36" OAK
1332+55.1	29.6'	RT	38" OAK
1333+02.7	23.9'	LT	34" OAK
1333+44.5	23.0'	LT	40" OAK
1333+45.1	30.8'	RT	24" STUMP
1333+78.7	24.2'	LT	36" STUMP
1333+98.3	23.9'	LT	36" OAK
1334+19.1	31.4'	RT	36" OAK
1334+60.8	20.7'	LT	12" OAK
1334+66.6	32.0'	RT	14" OAK
1334+70.7	30.2'	RT	20" OAK TWIN
1335+51.8	33.3'	RT	30" STUMP
1337+49.3	24.0'	LT	18" CLUMP 5 HORSE CHESTNUT
1337+85.7	30.8'	RT	34" MAPLE
1350+18.4	34.6'	LT	12" PINE
1350+30.0	35.9'	LT	14" PINE
1353+60.7	31.2'	LT	12" STUMP
1353+75.3	30.5'	LT	12" STUMP
US ROUTE 179			
201+08.1	72.6'	RT	12" MAPLE CLUMP 4 TREES
203+24.4	31.3'	RT	14" MAPLE
203+36.4	22.4'	LT	20" STUMP
204+20.5	17.2'	LT	34" DEAD TREE
204+41.6	17.6'	RT	14" MAPLE TWIN
OLD ROUTE 179			
80+89.0	23.0'	RT	18" MAPLE
OLD MILL ROAD			
71+48.9	24.8'	LT	38" MAPLE
71+76.0	24.4'	LT	28" MAPLE

ITEM 202.15 - REMOVING MANHOLE OR CATCH BASIN

STATION	OFFSET		QUANTITY (EA)
US ROUTE 1A			
1306+56.6	16.9'	RT	1
1307+24.0	18.0'	LT	1
1307+57.1	13.8'	RT	1
1308+21.1	13.3'	RT	1
1309+23.0	25.3'	LT	1
1313+23.2	19.1'	LT	1
1314+26.1	133.3'	LT	1
1314+98.2	23.6'	RT	1
1321+27.6	26.8'	RT	1

ITEM 202.15 - REMOVING MANHOLE OR CATCH BASIN

STATION	OFFSET		QUANTITY (EA)
US ROUTE 1A			
1341+16.1	26.4'	RT	1
1343+47.4	25.4'	RT	1
1343+47.7	29.9'	RT	1
1345+46.0	30.2'	RT	1
1345+47.6	43.2'	RT	1
1346+12.4	24.1'	LT	1
1346+16.1	31.2'	RT	1
1346+91.8	23.9'	LT	1
1348+45.7	26.4'	RT	1
1348+45.8	31.4'	RT	1
1349+09.9	30.1'	RT	1
1351+21.6	48.8'	RT	1
1351+27.3	22.5'	LT	1
1351+27.7	31.0'	RT	1
1351+31.2	45.2'	RT	1
1351+56.0	24.1'	LT	1
1351+77.9	21.7'	LT	1
1351+78.6	49.1'	RT	1
1351+92.0	27.0'	RT	1
1351+92.1	58.1'	RT	1
1352+01.6	22.1'	LT	1
1352+50.4	21.5'	LT	1
1353+72.7	26.9'	RT	1
1356+57.5	24.6'	RT	1
1356+85.7	18.6'	LT	1
1357+32.0	20.2'	LT	1
1357+69.1	21.5'	RT	1
1358+30.9	18.6'	LT	1
1358+31.4	19.4'	RT	1
OLD ROUTE 179			
83+63.9	19.7'	LT	1

ITEM 604.161 - ALTERING CATCH BASIN

STATION	OFFSET		QUANTITY (EA)
US ROUTE 1A			
1299+99.7	28.2'	RT	1

ITEM 604.166 - REBUILDING MANHOLE

STATION	OFFSET		QUANTITY (EA)
US ROUTE 1A			
1297+76.90	19.67'	RT	1
1313+58.27	19.59'	RT	1
1316+35.77	20.96'	RT	1
1320+21.32	23.43'	RT	1

ITEM 604.18 - ADJUST MANHOLE OR CB TO GRADE

STATION	OFFSET		QUANTITY (EA)
US ROUTE 1A			
1307+12.31	21.97'	RT	1
1309+26.14	20.01'	RT	1
1310+95.43	6.81'	RT	1
1323+83.40	14.90'	RT	1
1326+97.08	15.47'	RT	1
1327+29.66	12.64'	RT	1
1337+56.63	16.55'	RT	1
1340+59.77	19.25'	RT	1
1344+63.20	21.10'	RT	1
1346+51.54	60.98'	LT	1
1346+55.65	20.30'	RT	1
1347+61.58	22.14'	RT	1
1351+60.11	18.21'	RT	1
1351+91.38	37.24'	RT	1
1354+60.46	16.81'	RT	1
1357+74.51	17.20'	RT	1
1359+89.71	24.11'	RT	1
1360+50.46	15.30'	RT	1
1360+97.32	22.23'	LT	1
US ROUTE 179			
202+66.15	3.17'	LT	1
OLD ROUTE 179			
82+08.24	17.08'	LT	1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON	J.M.S.\S.A.B	03-2016
DESIGN-DETAILED	J.M.H.	A.G.	03-2016
CHECKED-REVIEWED	J.M.H.	---	---
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CONSTRUCTION NOTES

SHEET NUMBER

Filename: ...\highway\msta\019_Notes_01.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 606.1721 - BRIDGE TRANSITION - TYPE I

STATION	TO	STATION	OFFSET	QUANTITY (EA)
US ROUTE 1A				
1293+21.0	-	1293+39.7	LT	1
1293+21.0	-	1293+39.7	RT	1

ITEM 606.230 - GUARDRAIL TYPE 3C - SINGLE RAIL

STATION	TO	STATION	OFFSET	QUANTITY (LF)
US ROUTE 1A				
1293+39.7	-	1295+27.2	LT	187.5
1293+39.7	-	1294+14.7	RT	75.0
1331+34.0	-	1333+09.0	LT	175.0
1331+41.5	-	1333+41.5	RT	200.0

ITEM 606.232 - GUARDRAIL TYPE 3C - OVER 15' RADIUS

STATION	TO	STATION	OFFSET	QUANTITY (LF)
US ROUTE 1A				
1333+09.0	-	1333+30.0	LT	25.0

ITEM 606.265 - TERMINAL END - SINGLE RAIL - GALVANIZED STEEL

STATION	OFFSET	QUANTITY (EA)
US ROUTE 1A		
1333+30	LT	1

ITEM 606.353 - REFLECTORIZED FLEXIBLE GUARDRAIL MARKER

STATION	TO	STATION	OFFSET	QUANTITY (EA)
US ROUTE 1A				
1295+27.2	-	1295+64.7	LT	2
1294+14.7	-	1294+52.2	RT	2
1330+96.5	-	1331+34.0	LT	2
1331+04.0	-	1331+41.5	RT	2
1333+09.0	-	1333+30.0	LT	2
1333+41.5	-	1333+79.0	RT	2

ITEM 606.356 - UNDERDRAIN DELINEATOR POST

STATION	OFFSET	QUANTITY (EA)
ROUTE 179		
200+39.0	LT	1
202+96.0	LT	1
200+40.0	RT	1
202+87.0	RT	1
OLD ROUTE 179		
80+65.0	LT	1
80+96.0	LT	1
81+23.0	LT	1
81+46.0	LT	1
81+89.0	LT	1
82+15.0	LT	1
82+91.0	LT	1
83+26.0	LT	1
83+75.0	LT	1
84+16.0	LT	1
84+34.0	LT	1
80+91.0	RT	1
81+27.0	RT	1
81+42.0	RT	1
82+00.0	RT	1
82+10.0	RT	1
82+97.0	RT	1
83+10.0	RT	1
83+14.0	RT	1
83+61.0	RT	1
83+89.0	RT	1
84+34.0	RT	1
FOREST AVE		
60+34.0	LT	1
60+05.0	RT	1

ITEM 606.47 - SINGLE WOOD POST

STATION	OFFSET	QUANTITY (SF)
US ROUTE 1A		
1297+66	RT	1
1305+27	RT	1
1305+28	RT	1
1311+44	RT	1
1313+75	LT	1
1314+63	RT	1

ITEM 606.47 - SINGLE WOOD POST

STATION	OFFSET	QUANTITY (SF)
US ROUTE 1A		
1317+24	RT	1
1318+10	RT	1
1318+10	RT	1
1318+18	LT	1
1319+42	LT	1
1319+43	LT	1
1324+30	LT	1
1324+33	LT	1
1324+64	RT	1
1325+85	RT	1
1329+73	LT	1
1330+67	RT	1
1334+44	LT	1
1335+12	RT	1
1335+36	LT	1
1336+34	RT	1
1347+69	LT	1
1347+69	LT	1
OLD ROUTE 179		
81+04	LT	
83+66	LT	1
LAKES LANE		
30+92	LT	1
ROUTE 179		
204+40	RT	1

ITEM 606.51 - MULTIPLE MAILBOX SUPPORT

STATION	OFFSET	QUANTITY (SF)
SHORE ROAD		
100+35	LT	1
OLD ROUTE 179		
82+19	LT	1
ROUTE 179		
204+60	LT	1

ITEM 606.79 - GUARDRAIL 350 FLARED TERMINAL

STATION	TO	STATION	OFFSET	QUANTITY (EA)
US ROUTE 1A				
1295+27.2	-	1295+64.7	LT	1
1294+14.7	-	1294+52.2	RT	1
1330+96.5	-	1331+34.0	LT	1
1331+04.0	-	1331+41.5	RT	1
1333+41.5	-	1333+79.0	RT	1

ITEM 607.25 - REMOVE AND RESET CHAIN LINK FENCE

STATION	TO	STATION	OFFSET	QUANTITY (LF)
US ROUTE 1A				
1314+17.9	-	1314+36.5	LT	20
1358+20.5	-	1358+40.5	LT	20

ITEM 608.07 - PLAIN CONCRETE SIDEWALK

STATION	TO	STATION	OFFSET	QUANTITY (SY)
US ROUTE 1A				
1340+53.6	-	1340+76.6	RT	10.1
1341+17.4	-	1341+40.4	RT	10.1
1345+19.3	-	1345+42.3	RT	10.1
1345+98.3	-	1346+21.3	RT	10.1
1350+90.5	-	1351+12.0	RT	11.7
1358+88.2	-	1359+08.6	RT	15.6
1359+80.1	-	1359+96.3	RT	6.4
SHORE ROAD				
101+10.4	-	101+19.7	RT	4.8
FOREST AVE				
61+15.1	-	61+35.7	LT	12.3
61+15.5	-	61+36.9	RT	11.9

ITEM 608.10 - BRICK SIDEWALK (REMOVE & REBUILD)

STATION	TO	STATION	OFFSET	QUANTITY (SY)
US ROUTE 1A				
1319+37.0	-	1319+81.4	LT	16.8

ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD

STATION	OFFSET	QUANTITY (SF)
US ROUTE 1A		
1340+67	RT	8.66
1341+25	RT	8.66
1345+27	RT	8.66
1346+13	RT	8.66
1351+01	RT	8.66
1359+00	RT	8.66
1359+87	RT	8.66
FOREST AVE		
61+27	LT	8.66
61+27	RT	8.66
OLD ROUTE 179		
84+06	CL	17.32

ITEM 609.31 - CURB TYPE 3

STATION	TO	STATION	OFFSET	QUANTITY (LF)
MOLD 1				
OLD ROUTE 179				
80+03.5	-	80+65.4	LT	79.9
FOREST AVE				
60+34.0	-	61+16.9	LT	83.2
61+07.1	-	61+18.4	RT	23.3
ROUTE 179				
202+63.6	-	202+87.2	RT	24.8
MOLD 2				
ROUTE 179				
200+39.5	-	80+90.5	RT	193.9
200+39.4	-	202+95.7	LT	252.2
OLD ROUTE 179				
80+95.5	-	81+22.8	LT	27.3
81+26.5	-	81+41.7	RT	15.2
81+46.3	-	81+88.5	LT	42.0
81+97.4	-	82+12.5	RT	37.1
82+14.5	-	82+90.8	LT	76.3
82+95.4	-	83+11.7	RT	42.9
83+14.0	-	84+33.9	RT	190.0
83+25.8	-	83+74.9	LT	49.5
84+03.5	-	84+33.9	LT	45.6
US ROUTE 1A				
1345+42.3	-	1345+54.4	RT	25.3
1345+65.9	-	1345+76.9	RT	41.8
1345+88.5	-	1345+98.3	RT	23.0
1359+70.8	-	1359+80.1	RT	25.8
FOREST AVE				
60+05.0	-	61+16.0	RT	111.2

ITEM 610.08 - PLAIN RIPRAP & ITEM 620.58 - EROSION CONTROL GEOTEXTILE

STATION	OFFSET	DEPTH (IN)	610.08 QUANTITY (CY)	620.58 QUANTITY (SY)
US ROUTE 1A				
1293+61.5	LT	18"	2.86	10.9
1293+61.5	RT	18"	4.11	15.1
1294+44.2	RT	18"	4.11	15.1
1300+00.0	LT	18"	1.26	5.7
1301+00.0	LT	18"	2.19	3.0
1302+10.0	RT	18"	2.44	4.6
1304+07.0	LT	18"	3.22	11.5
1314+46.1	LT	18"	1.50	6.5
1322+88.1	RT	18"	3.22	11.5
1322+90.1	LT	18"	1.19	5.3
1325+65.0	LT	18"	5.11	17.6
1331+76.4	LT	18"	1.81	7.5
1331+76.4	RT	18"	3.01	11.3
1332+14.0	LT	24"	17.90	50.6
1332+14.0	RT	24"	16.94	49.4
1332+50.0	LT	18"	1.49	6.5
1332+50.0	RT	18"	3.00	11.3
1346+00.0	LT	18"	2.70	6.5
1346+93.2	LT	18"	3.11	6.5
1348+86.0	RT	18"	2.44	5.3
1357+81.0 - 1359+50.0	LT	18"	11.74	211.3 (HAND LAID)
OLD MILL ROAD				
71+01.5	RT	18"	2.44	5.7
71+01.5	LT	18"	0.97	4.6
71+96.8	RT	18"	2.19	7.4
LAKES LANE				
31+48.0	RT	18"	0.97	4.0

ITEM 610.16 - HEAVY RIPRAP

STATION	OFFSET	DEPTH (IN)	QUANTITY (CY)
US ROUTE 1A			
1332+14.0	LT	48"	39.13
1332+14.0	RT	48"	38.33

ITEM 610.210 - STREAM CHANNEL ROCK

STATION	LOCATION	QUANTITY (CY)
DAVIS BROOK		
11+24.5	ROCK BAND	2.22
11+36.5	ROCK BAND	2.22
11+48.5	ROCK BAND	2.22
11+60.5	ROCK BAND	2.22
11+72.5	ROCK BAND	2.22
11+84.5	ROCK BAND	2.22

ITEM 610.210 - STREAM CHANNEL ROCK

STATION	LOCATION	QUANTITY (CY)
DAVIS BROOK		
11+96.5	ROCK BAND	2.22
12+08.5	ROCK BAND	2.22
11+18.0 - 12+08.5	MISC. GROUPINGS	1.28

ITEM 613.319 - EROSION CONTROL BLANKET

STATION	TO	STATION	OFFSET	QUANTITY (SY)
US ROUTE 1A				
1295+96.0	-	1297+00.0	LT	92.4
1299+00.0	-	1299+75.0	LT	66.7
1332+07.5	-	1332+20.5	LT	2.2
1332+07.5	-	1332+20.5	RT	4.4
1335+20.0	-	1336+06.0	RT	76.4
1343+25.0	-	1346+00.0	LT	244.4

ITEM 626.22 - NON-METALLIC CONDUIT

STATION	TO	STATION	QUANTITY (LF)
US ROUTE 1A			
1306+15.0, RT 30'	-	1306+15.0, LT 53'	83
ROUTE 179			
200+57.0, RT 34'	-	200+57.0, LT 44'	78
SHORE ROAD			
101+25.0, RT 22'	-	101+25.0, LT 22'	44

ITEM 642.15 - PRECAST CONCRETE STEPS

STATION	OFFSET	QUANTITY (EA)
US ROUTE 1A		
1327+05	RT	1
1334+01	RT	1
OLD ROUTE 179		
80+50	LT	1

ITEM 841.481 - REMOVABLE BOLLARDS

STATION	OFFSET	QUANTITY (EA)
OLD ROUTE 179 / MULTI-USE PATH ENTRANCE		
84+10.0	CL	3

EXISTING SUBBASE REGRADED SUBSIDIARY TO ITEM 310.24 - PLANT MIX RECYCLED ASPHALT PAVEMENT - 4 in

STATION	TO	STATION
US ROUTE 1A		
1294+00	-	1301+75
1309+35	-	1313+61
1316+50	-	1328+00
1338+00	-	1358+50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

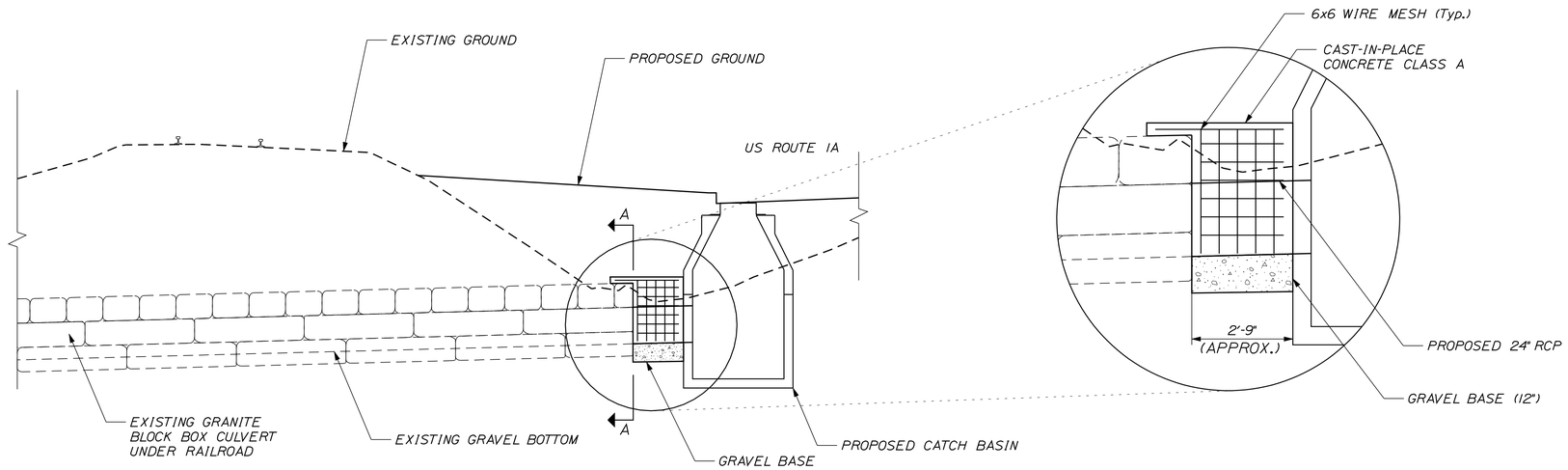
CONSTRUCTION NOTES

SHEET NUMBER

20

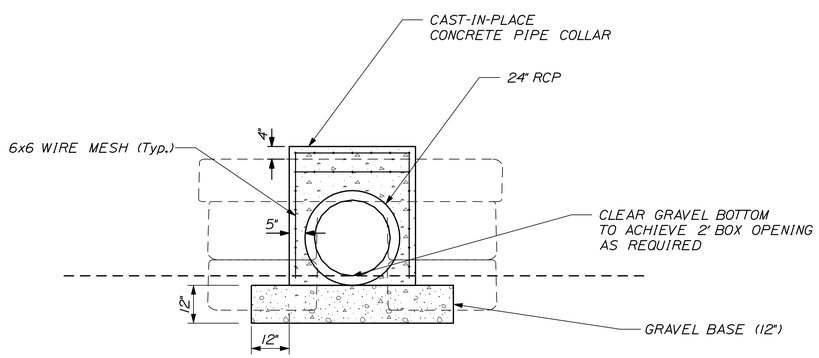
OF 187

Filename: ...\highway\msta\020_Notes_02.dgn Division: Highway Username: jhilton Date:3/22/2016



CAST-IN-PLACE
CONCRETE PIPE COLLAR DETAIL
STA. 1301+56.8, 22.5' LT

NOT TO SCALE



SECTION A-A

NOTE:

1. GRANITE BLOCKS TO BE LEFT IN PLACE.
2. GRANITE BLOCK SIZES SHOWN ARE APPROXIMATE - FIELD VERIFY. GRANITE BLOCKS AND BLOCK LAYOUT UNDER RAILROAD TRACKS ARE UNKNOWN AND ONLY SHOWN FOR REPRESENTATION PURPOSES. CAST-IN-PLACE CONCRETE COLLAR WILL REQUIRE A FIELD FIT.
3. MORTAR VERTICAL JOINT BETWEEN GRANITE BLOCKS AND RCP PRIOR TO CAST-IN-PLACE CONCRETE COLLAR BEING PLACED.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

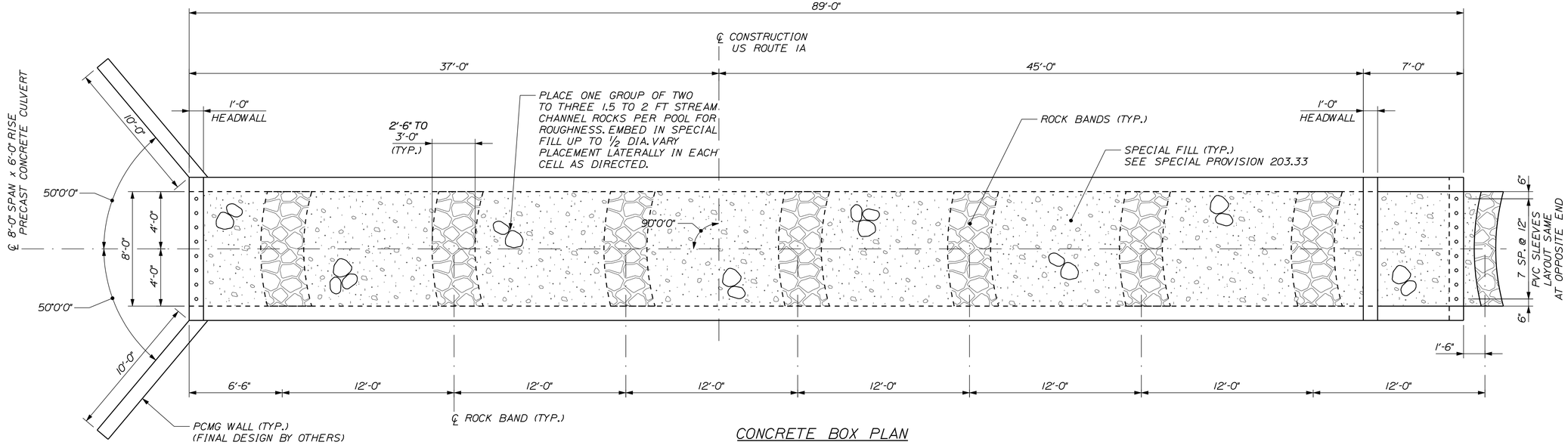
DATE

ELLSWORTH
US ROUTE 1A (NHS)

DETAILS

SHEET NUMBER
21
OF 187

Filename: ...\highway\rnsta\021_Detail_01.dgn Division: Highway Username: jhilton Date:3/22/2016



CONCRETE BOX PLAN

PRECAST CONCRETE BOX NOTES:

1. THE CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH SECTION 534, PRECAST STRUCTURAL CONCRETE, AND WITH THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.

2. THE CONCRETE BOX CULVERT WILL BE STAGED CONSTRUCTION. FABRICATION /INSTALLATION ARE TO ACCOMMODATE THIS.

3. THE PRECAST UNITS SHALL BE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 18 INCHES OVER THE TOP OF THE UNITS.

4. INSTALL STANDARD MEMBRANE WATERPROOFING OVER THE TOP AND TO 12 INCHES DOWN THE EXTERIOR SIDES OF THE PRECAST UNITS.

5. STREAM CHANNEL ROCKS IN ROCK BANDS AND GROUPS SHALL BE A MINIMUM OF 18 INCHES IN THE LEAST DIMENSION. EACH ROCK BAND SHALL CONTAIN AT LEAST THREE (3) ROCKS OF A MINIMUM OF 24 INCHES IN THE LEAST DIMENSION. ROCKS SHALL NOT BE MORE THAN 3 FEET IN THE GREATEST DIMENSION.

6. FOR 50-70% OF THE BOX WIDTH, THE ROCK BANDS SHALL EXTEND 6 INCHES ABOVE THE MINIMUM HEIGHT OF 2 FEET.

7. REFERENCE SPECIAL PROVISION 203.33 - SPECIAL FILL FOR FOR ADDITIONAL REQUIREMENTS.

PRECAST CONCRETE BOX NOTES:

8. FOR THE STRENGTH LIMIT STATE THE APPLIED FACTORED BEARING PRESSURE FOR THE PRECAST CONCRETE BOX CULVERT SHALL NOT EXCEED THE FACTORED BEARING RESISTANCE OF 6 KSF. FOR THE SERVICE LIMIT STATE THE APPLIED FACTORED BEARING PRESSURE FOR THE PRECAST CONCRETE BOX CULVERT SHALL NOT EXCEED THE FACTORED BEARING RESISTANCE OF 10 KSF.

PREFABRICATED CONCRETE MODULAR GRAVITY WALL NOTES:

1. THE CONTRACTOR SHALL PROVIDE A PREFABRICATED CONCRETE MODULAR GRAVITY (PCMG) WALL IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 674. THE PCMG WALL SHALL BE DESIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN SHALL BE SUBMITTED TO THE RESIDENT FOR REVIEW. PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.

2. THE PCMG WALL SYSTEM SHALL BE ON THE MAINEDOT QUALIFIED PRODUCTS LIST (QPL) OR PROPRIETARY RETAINING WALL SYSTEMS AND BE MANUFACTURED BY A LICNESED MANUFACTURER OF THE SELECTED PRODUCT.

3. THE WALL SHALL BE DESIGNED IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 674 AND AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014.

PREFABRICATED CONCRETE MODULAR GRAVITY WALL NOTES:

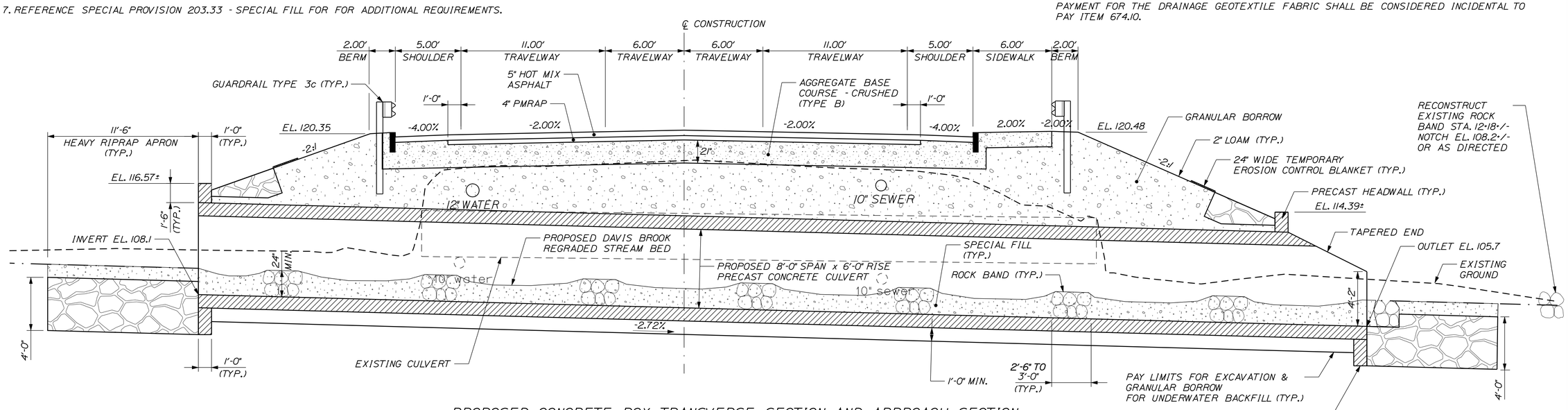
4. BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 674.

5. FOR THE STRENGTH LIMIT STATE THE APPLIED FACTORED BEARING PRESSURE FOR THE WALL SHALL NOT EXCEED THE FACTORED BEARING RESISTANCE OF 10 KSF. FOR THE SERVICE LIMIT STATE THE APPLIED FACTORED BEARING PRESSURE FOR THE WALL SHALL NOT EXCEED THE FACTORED BEARING RESISTANCE OF 10 KSF.

6. THE CONTRACTOR MAY CONSTRUCT THE PCMG USING CRUSHED STONE (MAINEDOT 703.31) AS BACKFILL FOR BEHIND, BETWEEN THE PCMG UNITS. IN USING CRUSHED STONE FOR BACKFILL THE PCMG MAY BE DESIGNED ASSUMING A FRICTION ANGLE OF 40 DEGREES FOR SOIL WITHIN THE UNITS. CRUSHED STONE SHALL BE COMPACTED USING EITHER STATIC OR DYNAMIC METHODS WITH SUFFICIENT ENERGY TO ACHIEVE A CONSISTENT DENSE COURSE AS APPROVED BY THE RESIDENT. CRUSHED STONE SHALL BE SEPERATED FROM THE SURROUNDING SOIL WITH EROSION CONTROL GEOTEXTILE (MAINEDOT 722.03). CRUSHED STONE AS BACKFILL AND EROSION CONTROL GEOTEXTILE, IF USED, SHALL BE INCIDENTAL TO PAY ITEM 674.10.

7. CONCRETE TESTING SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATION 535.

8. A 1 FOOT WIDE DRAINAGE GEOTEXTILE FABRIC SHALL BE SECURED TO THE BACK OF THE UNITS AT ALL HORIZONTAL AND VERTICAL JOINTS FOR THE FULL HEIGHT OF THE WALL. PAYMENT FOR THE DRAINAGE GEOTEXTILE FABRIC SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 674.10.



PROPOSED CONCRETE BOX TRANSVERSE SECTION AND APPROACH SECTION

(ALONG CENTERLINE OF CONCRETE BOX)

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H./R.S.B.	
CHECKED-REVIEWED	J.M.H.	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

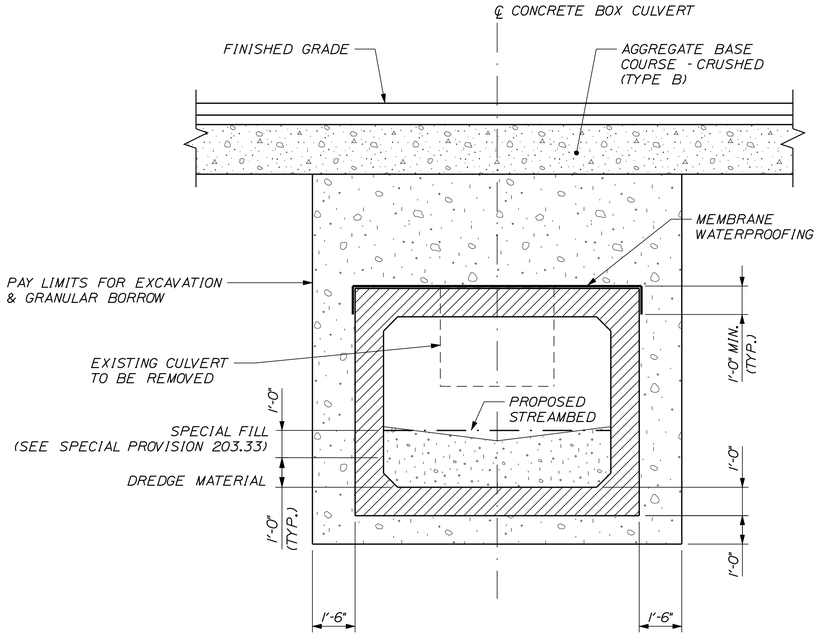
CULVERT DETAILS

SHEET NUMBER

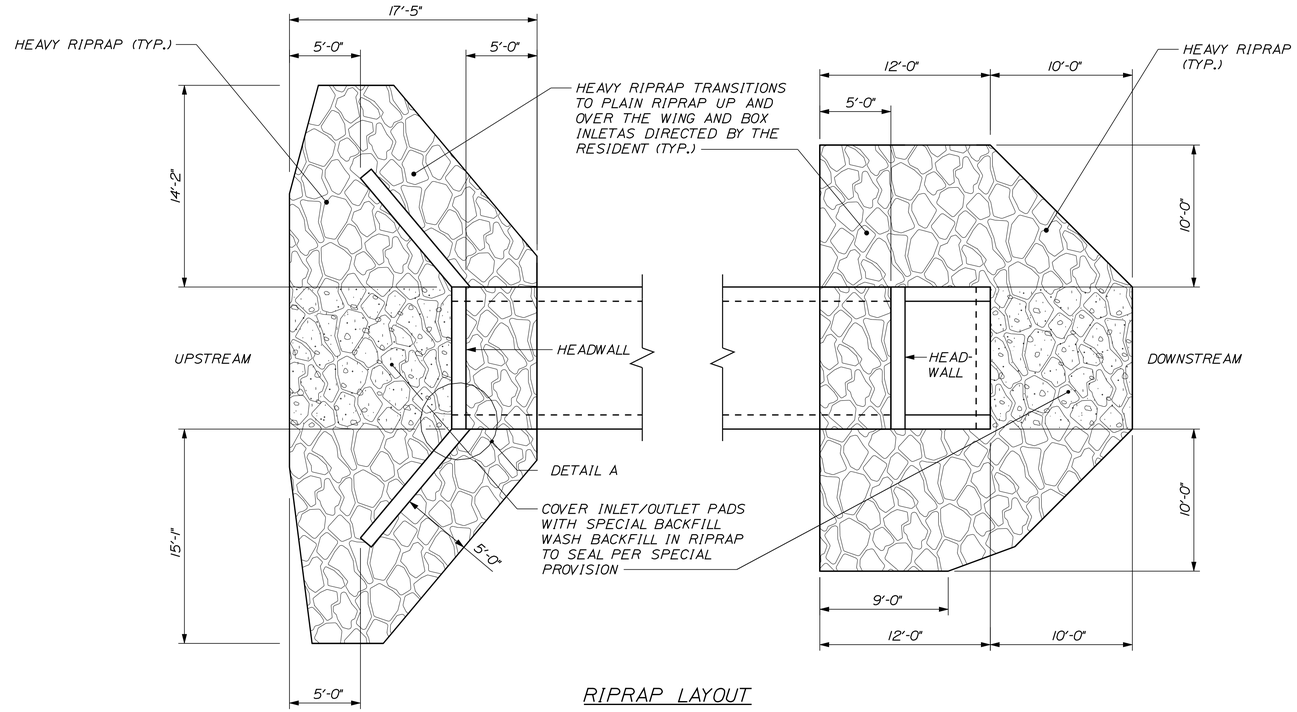
22

OF 187

Filename: ...\022_Typical_Culvert_01.dgn Division: Highway Username: jhilton Date:3/22/2016

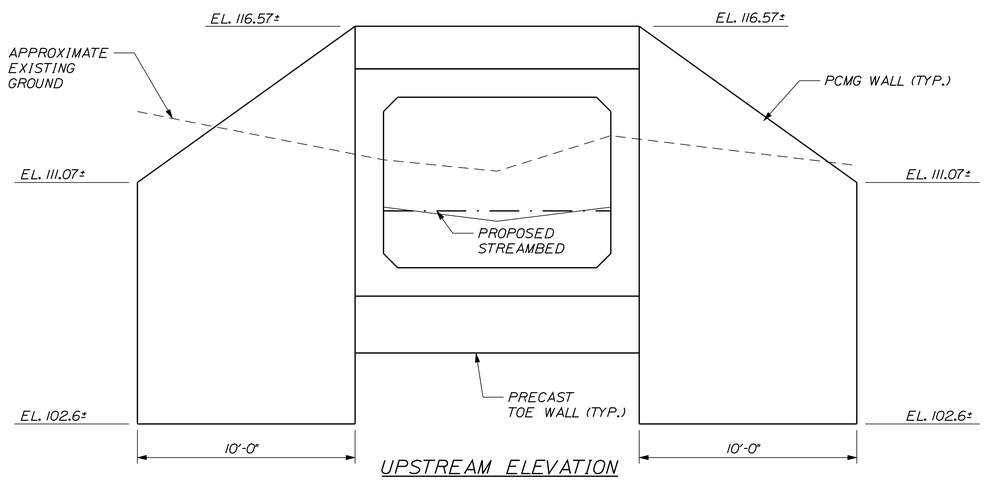


TYPICAL SECTION

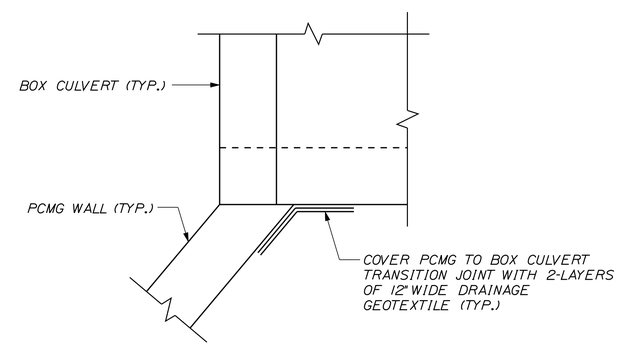


RIPRAP LAYOUT

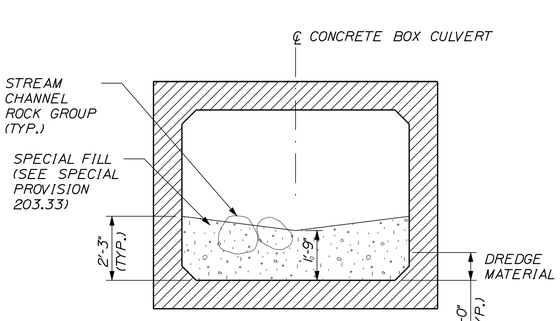
ROCK BANDS NOT SHOWN FOR CLARITY



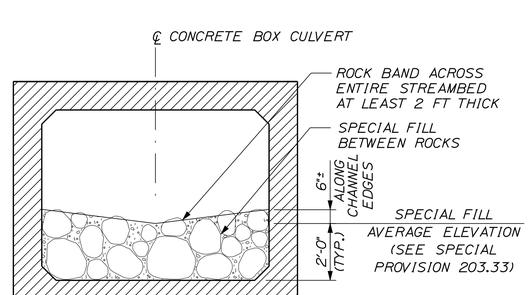
UPSTREAM ELEVATION



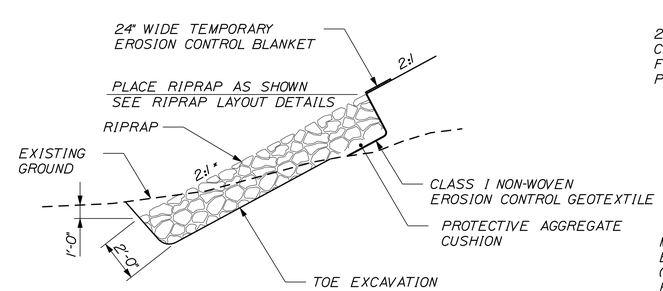
DETAIL A



POOL SECTION

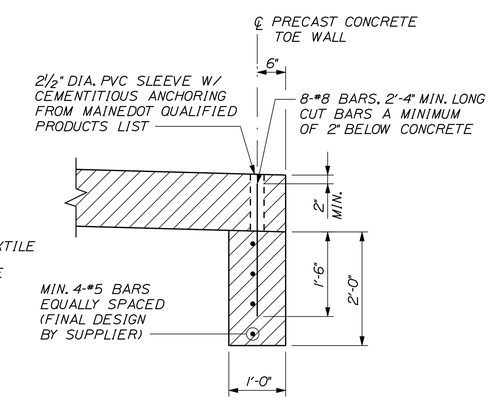


ROCK BAND SECTION



RIPRAP SIDE SLOPE

* MATCH ENDS OF CONCRETE BOX CULVERT (REFER TO PAGE 620(05) FOR SPECIFIC DETAILS ON GEOTEXTILE PLACEMENT)



PRECAST CONCRETE TOE WALL DETAIL

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H./R.S.B.	A.G.	03-2016
CHECKED-REVIEWED	J.M.H.		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

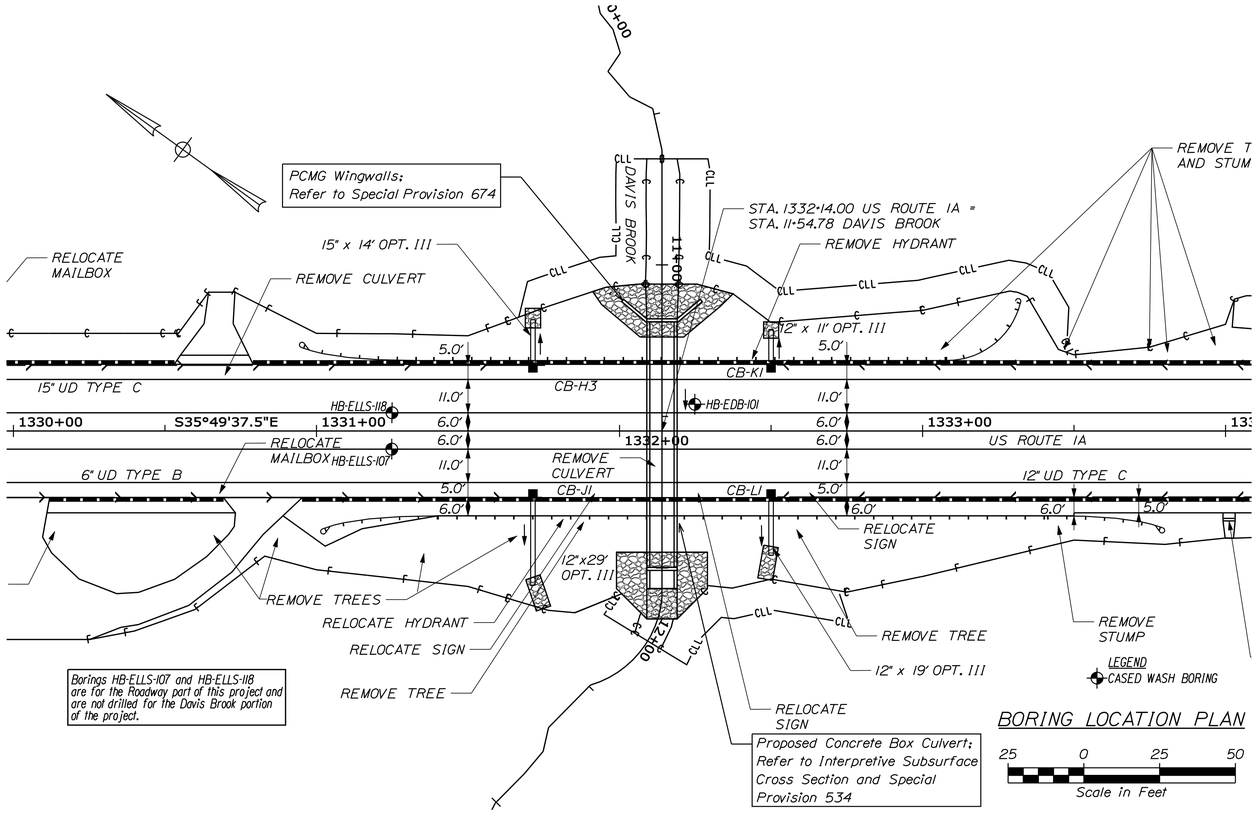
DATE

ELLSWORTH
US ROUTE 1A (NHS)

CULVERT DETAILS

SHEET NUMBER
23
OF 187

Filename: ...\023_Typical_Culvert_02.dgn Division: Highway Username: jhilton Date:3/22/2016



Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 1A at Davis Brook
Location: Ellsworth, Maine
Boring No.: HB-EDB-101
WIN: 19196.00

Driller:	New England Boring	Elevation (ft.)	118.0	Auger ID/OD:	5" Solid Stem
Operator:	J. Rudnicki/Maynard	Datum:	NAVD88	Sampler:	Standard Split Spoon
Logged By:	Schonewald	Rig Type:	Mobile Drill B-47 Trailer	Hammer Wt./Fall:	140#/30"
Date Start/Finish:	12/8/2014; 11:30-14:45	Drilling Method:	Cased Wash Boring	Core Barrel:	NQ-2"
Boring Location:	1332+25, 8.8 ft Lt.	Casing ID/OD:	NW	Water Level*:	3.5 ft bgs. 1.0pm. before wash boring
Hammer Efficiency Factor: 0.6		Hammer Type:	Automatic ☐ Hydraulic ☐ Rope & Cathead ☒		

Definitions:
D = Split Spoon Sample
ND = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
UU = Unsuccessful Thin Wall Tube Sample attempt
V = Insitu Vane Shear Test, PP = Pocket Penetrometer
UV = Unsuccessful Insitu Vane Shear Test attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = weight of HOIS. hammer
WOR/C = weight of rods or casing
WO1P = Weight of one person
S_u = Insitu Field Vane Shear Strength (psf)
S_r = Pocket Torvane Shear Strength (psf)
q_u = Unconfined Compressive Strength (ksf)
N=uncorrected = Raw field SPT N-value
Hammer Efficiency Factor = Annual Calibration Value
N_{60} = SPT N-uncorrected corrected for hammer efficiency
N_{60} = (Hammer Efficiency Factor/60%)*N-uncorrected
$S_{ut(lab)}$ = Lab Vane Shear Strength (psf)
WC = water content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

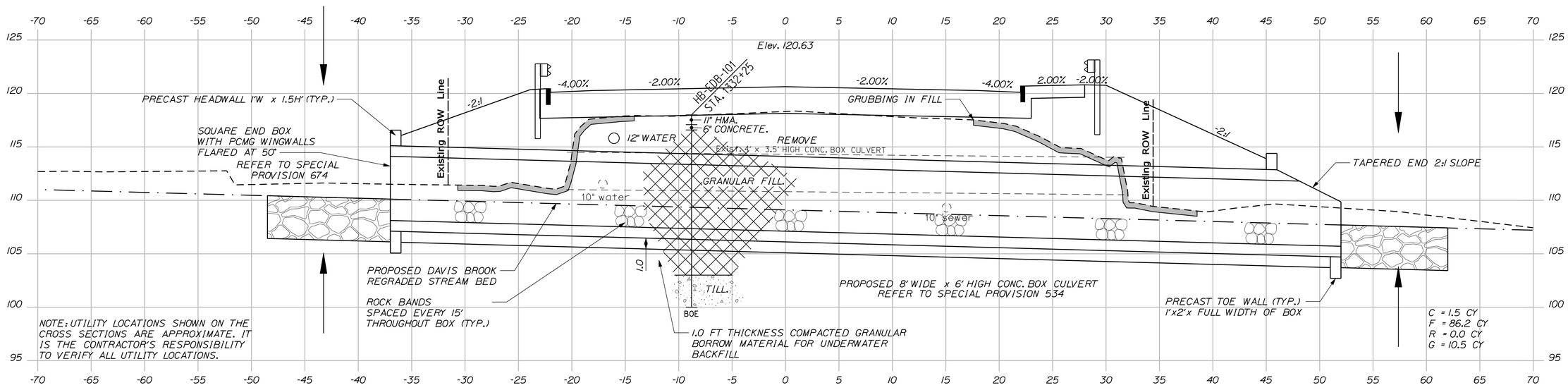
Sample Information

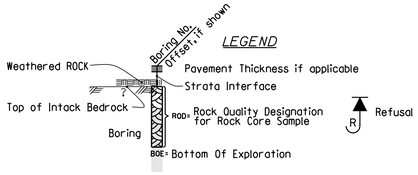
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0							SSA	117.10		11" HMA.	
								116.60		6" CONCRETE. 0.90 – 1.40	
5	10	24/4	5.00 - 7.00	11/14/14/26	28	28				1D: Grey-brown, wet, medium dense, GRAVEL, some fine to coarse sand, little silt, (Fill).	
	R1	33.6/25	8.20 - 11.00				NQ-2			Possible top of Rock at 8.0 ft. bgs. Auger Refusal and NW Casing Refusal. R1: Boulder. Broke through Boulder at approx. 9.3 ft bgs into Fill.	
10											
	20	24/7	11.00 - 13.00	13/21/20/14	41	41				2D: Grey-brown, wet, dense, fine sandy GRAVEL, some silt, trace medium to coarse sand, with minor wood; appears reworked, (Fill).	
15								103.00		Color change, difficult drilling, but less boney. 15.00	
	30	24/12	16.00 - 18.00	24/32/71/24	103	103				3D: Grey-brown, wet, very dense, gravelly fine SAND, little silt, trace medium to coarse sand, (Till).	
20								100.00		18.00 Bottom of Exploration at 18.00 feet below ground surface. NO REFUSAL	
25											

Remarks:
Offsets from Existing Roadway Centerline.
Bottom of boring approximately 7.5 feet below proposed box culvert invert, which is at approximate elevation 107.5 feet at the boring location.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: HB-EDB-101





1332+14.00
CROSS SECTION
HORIZ 5 0 5 10
VERT 5 0 5 10
SCALE

Note: This generalized interpretive soil cross section is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-STP-1919(600)X
WIN 19196.00
BRIDGE NO. ____ W.I.N. 19196.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2	SCHONEWALD	MAR 2015
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

DAVIS BROOK BOX CULVERT
ROUTE 1A
ELLSWORTH HANCOCK COUNTY
BORING LOCATION PLAN, INTERPRETIVE SUBSURFACE CROSS SECTION & BORING LOG

SHEET NUMBER
24
OF 187

Filename: ...\024_GEOPLAN_&_BORINGLOG_02.dgn Division: Highway
Username: jhilton
Date:3/22/2016

Filename: ...\MSTA\025_Boring Logs1.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-101
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1296+60, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S1		0.67 - 4.70			SSA	-0.67		8" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt, trace silt. (0.67)	GM266848 A-1-b, SM WC=2.8%
5							-4.70		Bottom of Exploration at 4.70 feet below ground surface. REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-101

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-102
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1301+15, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S2		0.58 - 2.40			SSA	-0.58		7" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.58)	GM266849 A-1-b, SM WC=2.4%
							-2.40		3.6" Old PAVEMENT. (2.40)	
							-2.70		Brown, damp, fine to coarse SAND, some gravel, trace silt. (2.70)	
							-3.50		Olive, damp, fine to medium sandy-SILT, trace gravel. (3.50)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-102

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-103
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1308+12, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.50		6" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, trace silt. (0.50)	
	S3		2.90 - 5.00				-2.90		Olive-brown, moist, Clayey-SILT, trace fine sand. (2.90)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-103

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-104
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1313+29, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.50		6" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, trace silt. (0.50)	
							-3.30		Brown, moist, fine to coarse sandy-SILT, trace gravel. (3.30)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-104

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-105
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1320+50, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S4		0.55 - 3.00			SSA	-0.55		6.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.55)	GM266850 A-1-b, SM WC=2.4%
							-3.00		Grey, damp, silty, fine to medium SAND, little gravel. (3.00)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-105

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-106
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1325+50, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S5		0.67 - 2.50			SSA	-0.67		8" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.67)	GM266576 A-1-b, SM WC=2.3%
							-2.50		Olive-brown, damp, Clayey-SILT, trace fine sand. (2.50)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-106

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-107
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1331+26, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.63)	
							-3.20		Olive-brown, damp, Clayey-SILT, trace fine sand. (3.20)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-107

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
Boring No.: HB-ELLS-108
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator:	Giles/Daggett	Datum: NAVD88	Sampler: Off Flights
Logged By:	B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish:	10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	1337+00, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S6		0.63 - 2.20			SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, some silt. (0.63)	GM266577 A-1-b, SM WC=2.7%
							-2.20		Olive-brown, damp, Clayey-SILT, trace fine sand. (2.20)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-108

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
W.I.N. 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2	K.GROSS	SEPT 2015
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
U.S. ROUTE 1A

BORING LOGS

SHEET NUMBER
25
OF 187

Filename: ...\MSTA\026_Boring Logs2.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-109

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1342+10, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S7		0.63 - 3.20			SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, silty SAND, little gravel. (0.63)	G#266578 A-4, SM WC=6.8%
							-3.20		Olive-brown, damp, Clayey-SILT, trace fine sand. (3.20)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-109

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-110

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1348+90, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S8		0.63 - 3.50			SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some silt, little gravel. (0.63)	G#266579 A-2-4, SM WC=3.3%
							-3.50		Olive-brown, damp, Clayey-SILT, trace fine sand. (3.50)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-110

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-111

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1353+81, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S9		0.58 - 2.90			SSA	-0.58		7" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.58)	G#266581 A-1-b, SM WC=2.2%
							-2.90		Olive-brown, moist, Clayey-SILT, trace fine sand. (2.90)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-111

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-112

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1360+35, 6.0 ft Rt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	PC-1		0.00 - 0.56			SSA	-0.56		6.75" PAVEMENT, core taken.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.56)	
							-4.60		Bottom of Exploration at 4.60 feet below ground surface. REFUSAL (4.60)	
5										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-112

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-113

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1360+35, 6.0 ft Lt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S10		0.56 - 4.00			SSA	-0.56		6.75" PAVEMENT.	
									Brown, dry, gravelly SAND, little silt. (0.56)	G#266582 A-1-b, SM WC=2.4%
	S11		4.00 - 5.50				-4.00		Brown, dry, gravelly, fine to coarse SAND, some silt. (4.00)	
5							-5.50		Bottom of Exploration at 5.50 feet below ground surface. NO REFUSAL (5.50)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

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Page 1 of 1 — Boring No.: HB-ELLS-113

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-114

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/17/2013-10/17/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1353+81, 6.0 ft Lt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.58		7" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.58)	
	S12		3.00 - 5.00				-3.00		Olive-brown, damp, Clayey-SILT, trace fine sand. (3.00)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

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Page 1 of 1 — Boring No.: HB-ELLS-114

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-115

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/18/2013-10/18/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1348+90, 6.0 ft Lt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.58		7" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.58)	
	S13		3.00 - 5.00				-3.00		Olive-grey, damp, silty, fine to coarse SAND, some gravel. (3.00)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: HB-ELLS-115

Maine Department of Transportation — Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine
WIN: 19196.00

Boring No.: HB-ELLS-116

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD:	5" Dia.
Operator: Giles/Doggett	Datum: NAVD88	Sampler:	Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish: 10/18/2013-10/18/2013	Drilling Method: Solid Stem Auger	Core Barrel:	N/A
Boring Location: 1342+10, 6.0 ft Lt.	Casing ID/OD: N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; S = Sample off Auger Flight; WO = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger; B = Bucket Sample off Auger Flight; S_u = Insitu Field Vane Shear Strength (psf); T_v = Pocket Torvane Shear Strength (psf); q_p = Unconfined Compressive Strength (ksf); $S_{u(lab)}$ = Lab Vane Shear Strength (psf); WOH = weight of 140lb. hammer; WOR = weight of rods; WOC = weight of casing; WC = water content, percent; I = Similar or Equal to; LL = Liquid Limit; PL = Plastic Limit; PI = Plasticity Index; G = Grain Size Analysis; C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. (0.63)	
	S14		3.30 - 5.00				-3.30		Olive-brown, damp, Clayey-SILT, trace fine sand. (3.30)	
5							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL (5.00)	

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

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Page 1 of 1 — Boring No.: HB-ELLS-116

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
W.I.N. 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2	K.GROSS	
DESIGN3-DETAILED3	T.WHITE	SEPT 2015
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
U.S. ROUTE 1A

BORING LOGS

SHEET NUMBER
26
OF 187

Username: Rhobe.Moulton Date:3/21/2016

Division: HIGHWAY

Filename: ...\MSTA\027_Boring Logs3.dgn

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: HB-ELLS-117
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1337+00, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. ■S6	0.63
							-3.30		Olive-brown, damp, Clayey-SILT, trace fine sand. ■S14	3.30
							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	5.00
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: HB-ELLS-117

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: HB-ELLS-118
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1331+26, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	PC-2		0.00 - 0.67			SSA	-0.67		8" PAVEMENT, core taken.	0.67
							-0.83		2" MCADAM.	0.83
									Brown, dry, fine to coarse SAND, some gravel, little silt. ■S6	
	S15		3.40 - 5.00				-3.40		Olive-grey, moist, Clayey-SILT, trace fine sand.	3.40
							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	5.00
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: HB-ELLS-118

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: HB-ELLS-119
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1325+50, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.63		7.5" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. ■S5	0.63
	S16		2.80 - 5.00				-2.80		Olive-brown, moist, Clayey-SILT, trace fine sand.	2.80
							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	5.00
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

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Page 1 of 1

Boring No.: HB-ELLS-119

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: HB-ELLS-120
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1320+50, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA	-0.63		8" PAVEMENT.	
									Brown, dry, fine to coarse SAND, some gravel, little silt. ■S4	0.63
							-2.90		Olive-grey, moist, Clayey-SILT, trace fine sand. ■S15	2.90
							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	5.00
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

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Page 1 of 1

Boring No.: HB-ELLS-120

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: HB-ELLS-121
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1313+25, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	PC-3		0.00 - 0.54			SSA	-0.54		6.5" PAVEMENT, core taken.	0.54
							-0.83		2" MCADAM.	0.83
									Brown, dry, fine to coarse SAND, some gravel, trace silt. ■S2	
							-3.30		Brown, moist, fine to coarse sandy SILT, trace gravel.	3.30
							-5.00		Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	5.00
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: HB-ELLS-121

Maine Department of Transportation
Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: A 1.36 mile portion of Route 1A
Location: Ellsworth, Maine

Boring No.: PC-4
WIN: 19196.00

Driller:	MaineDOT	Elevation (ft.)	
Operator:	Giles/Doggett	Datum:	NAVD88
Logged By:	B. Wilder	Rig Type:	CME 45C
Date Start/Finish:	10/18/2013-10/18/2013	Drilling Method:	Solid Stem Auger
Boring Location:	1296+60, 6.0 ft Lt.	Casing ID/OD:	N/A
Auger ID/OD:	5" Dia.	Sampler:	Off Flights
Hammer Wt./Fall:	N/A	Core Barrel:	N/A
Water Level*:	None Observed		

Definitions:
D = Split Spoon Sample S = Sample off Auger Flight
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger B = Bucket Sample off Auger Flight
S_u = Insitu Field Vane Shear Strength (psf)
T_v = Pocket Torvane Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
$S_{u(lab)}$ = Lab Vane Shear Strength (psf)
WOH = weight of 140lb. hammer
WOR = weight of rods WOC = weight of casing
WC = water content, percent I = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	Hv-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	PC-4		0.00 - 0.79			CORE	-0.79		9.5" PAVEMENT, core taken.	
									Bottom of Exploration at 0.79 feet below ground surface.	0.79
5										
10										
15										
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: PC-4

State of Maine - Department of Transportation

Rod Sounding Summary Sheet

Town(s): Ellsworth **Work Number: 19196.00**

Boring	Station (Feet)	Offset (Feet)	Refusal (Feet)	No Refusal (Feet)	Water (X) = Yes	Comments 5/29/2014
	1299+99	23.0 Rt.		10.0		
	1301+57	25.0 Lt.	8.1			
	1301+79	18.0 Lt.		10.0		
	1302+40	25.0 Lt.		10.0		
	1306+25	18.0 Lt.	9.0			
	1307+44	35.0 Lt.		10.0		
	1309+25	30.0 Lt.	8.5			
	1312+41	62.0 Lt.		10.0		
	1312+50	15.0 Lt.		10.0		
	1313+12	33.0 Lt.		10.0		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
W.I.N. 19196.00

HIGHWAY PLANS

PROJ. MANAGER		BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.GROSS	T.WHITE	SEPT 2015
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
U.S. ROUTE 1A

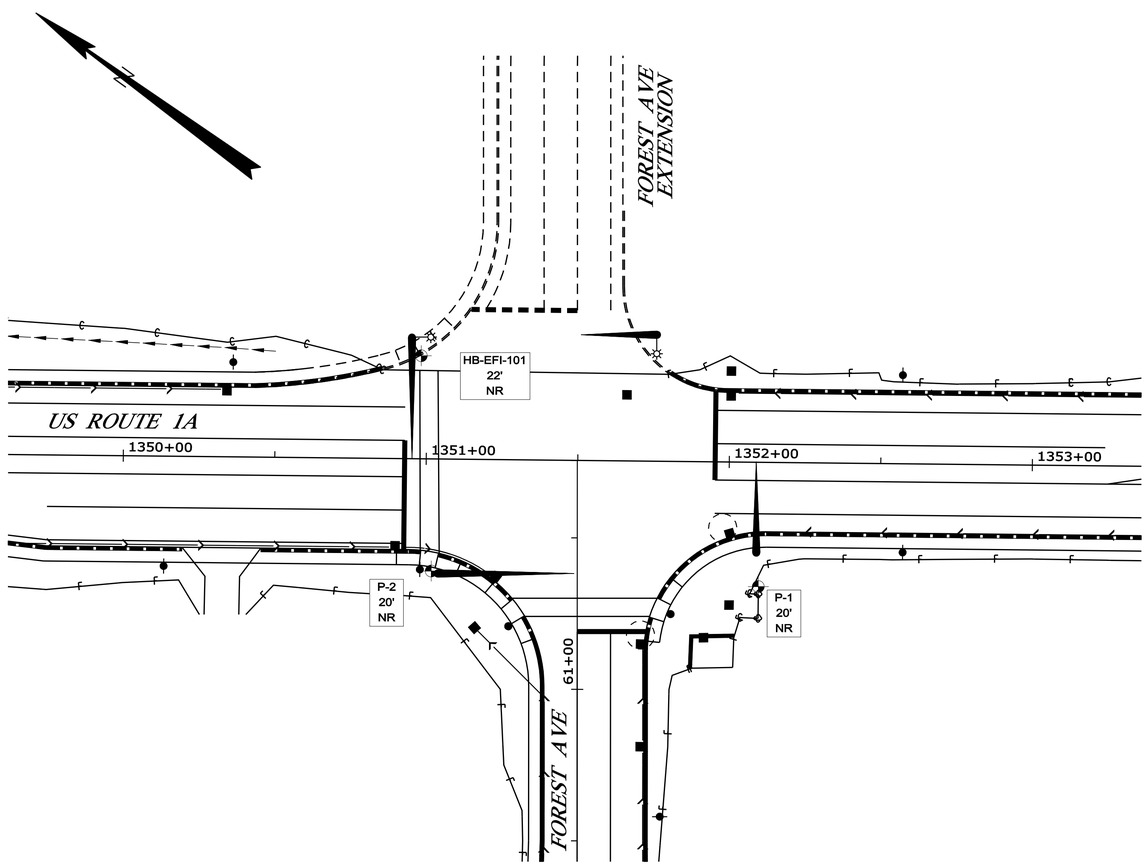
BORING LOGS

SHEET NUMBER
27
OF 187

SUMMARY OF SUBSURFACE INFORMATION
ELLSWORTH, MAINE
TRAFFIC SIGNAL MAST ARM POLE FOUNDATIONS
ROUTE 1A AND FOREST AVE. INTERSECTION

EXPLORATION NUMBER	EXPLORATION TYPE	APPROXIMATE LOCATION[1] STATION	OFFSET	PREDOMINANT SOIL TYPE (5 ft. BGS to bottom of hole)[2]	DEPTH TO BOTTOM (ft. BGS)	BOTTOM CONDITION	GROUNDWATER DEPTH (ft. BGS)
HB-EFI-101	boring	1350+98	34' LT	m. stiff marine clay	22	no refusal	1.0
P-1	probe	1352+10	41' RT	m. stiff marine clay	20	no refusal	dry
P-2	probe	1351+02	37' RT	m. stiff marine clay	20	no refusal	12.6

NOTES:
(1) LOCATIONS OF THE EXPLORATIONS WERE DETERMINED IN THE FIELD BY TAPING FROM PROMINENT SITE FEATURES AND SHOULD BE CONSIDERED APPROXIMATE.
(2) BGS = BELOW GROUND SURFACE



DESIGN OF THE DRILLED SHAFT FOUNDATIONS FOR THE TRAFFIC SIGNAL MAST ARM POLES SHALL BE BASED ON STANDARD DETAILS 626(03) AND 626(04) WITH CHARTS S800 (SOILS WITH SU = 800 PSF).

LEGEND

TEST BORING OR PROBE

P-1	I.D.
22'	DEPTH OF EXPLORATION
NR	NR = NO REFUSAL

BORING PLAN NOTES:

1. TEST BORINGS WERE COMPLETED BY NEW ENGLAND BORING CONTRACTORS ON DEC. 8, 2014 AND WERE OBSERVED AND LOGGED BY SchonewaldEA.

PLAN

25 0 25 50
Scale of Feet

SCHONEWALD ENGINEERING ASSOCIATES, INC.

PROJECT: Traffic Signal Mast Arm Poles
Route 1A and Forest Ave. Intersection

LOCATION: Ellsworth, ME

Boring No.: HB-EFI-101
WIN: 19196.00

Driller:	New England Boring Contractors	**Elevation (ft.)**	109+/- (est'd)	**Auger ID/OD:**	2.25"ID / 5.88"OD
Operator:	Rudnicki	**Datum:**		**Sampler:**	standard split-spoon
Logged By:	Schonewald	**Rig Type:**	Mobile Drill B-47 (trailer)	**Hammer Wt./Fall:**	140# / 30", rope & cathead
Date Start/Finish:	12/8/14 0850-1045	**Drilling Method:**	hollow stem augers	**Core Barrel:**	
Boring Location:	Sta. 1350+98, 34 LT (approx.)	**Casing ID/OD:**		**Water Level*:**	1.0 ft. (open)

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
MU = Unsuccessful Thin Wall Tube Sample attempt
V = Insitu Vane Shear Test
MV = Unsuccessful Insitu Vane Shear Test attempt

Definitions:
S_u = Insitu Field Vane Shear Strength (psf)
R = Rock Core Sample
RQD = Rock Quality Designation (%)
WOC = weight of casing
WOH = weight of 140lb. hammer
WOR = weight of rods

Definitions:
-- = not recorded
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
WC = water content, percent
#200 = percent fines from grain size analysis

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in.) Shear Strength (psf) or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Lab. Testing Results
0									grass and loam underlain by GRANULAR FILL	
5	1D	24/20	5.0 - 7.0	20-18-17-17	35		103.4		Saturated GRANULAR FILL Changing at 5.6 ft. to: 5.6 1D: Olive-brown, mottled, moist, hard, Clayey SILT. [MARINE CLAY]	
10	2D	24/0	10.0 - 12.0	12-8-8-9	16				2D: No recovery. Clayey SILT in tip of spoon and on augers. [MARINE CLAY]	
	3D	24/20	12.0 - 14.0	4-3-4-5	7				3D: Grey with black streaks, moist, m. stiff CLAY & SILT. [MARINE CLAY]	
15	4D	24/19	15.0 - 17.0	2-2-4-4	6				4D: Grey, moist, m. stiff, CLAY & SILT. [MARINE CLAY]	
							90.5		18.5 ft. - stratum change based upon drilling behavior 18.5	
20	5D	24/13	20.0 - 22.0	21-36-21-36	57				5D: Grey-brown, wet, v. dense, GRAVEL, some fine to coarse Sand, little Silt; gravel typically angular. [TILL]	
							87.0		22.0 **Bottom of Exploration at 22.0 feet below ground surface.** No refusal encountered.	
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: HB-EFI-101

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.L.G.	J.A.R.	03-2016
CHECKED-REVIEWED	C.M.B.	---	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE
P.E. NUMBER
DATE

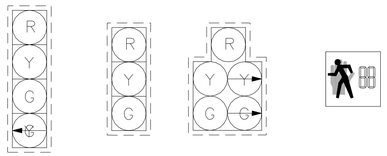
ELLSWORTH
US ROUTE 1A (NHS)

GEOPLAN & BORING LOG

SHEET NUMBER
28
OF 187

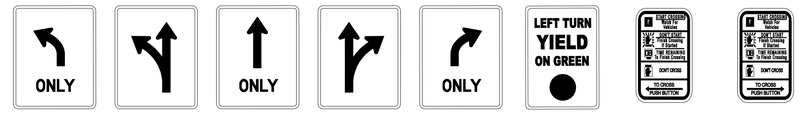
Filename: ...\028_GEOPLAN_&_BORINGLOG_01.dgn Division: Highway Username: jhilton Date:3/29/2016

PROPOSED INDICATIONS



NOTE:
ALL INDICATIONS SHALL BE 12" LIGHT EMITTING DIODES (LED'S) WITH 5" LOUVERED BACKPLATES

PROPOSED SIGNS

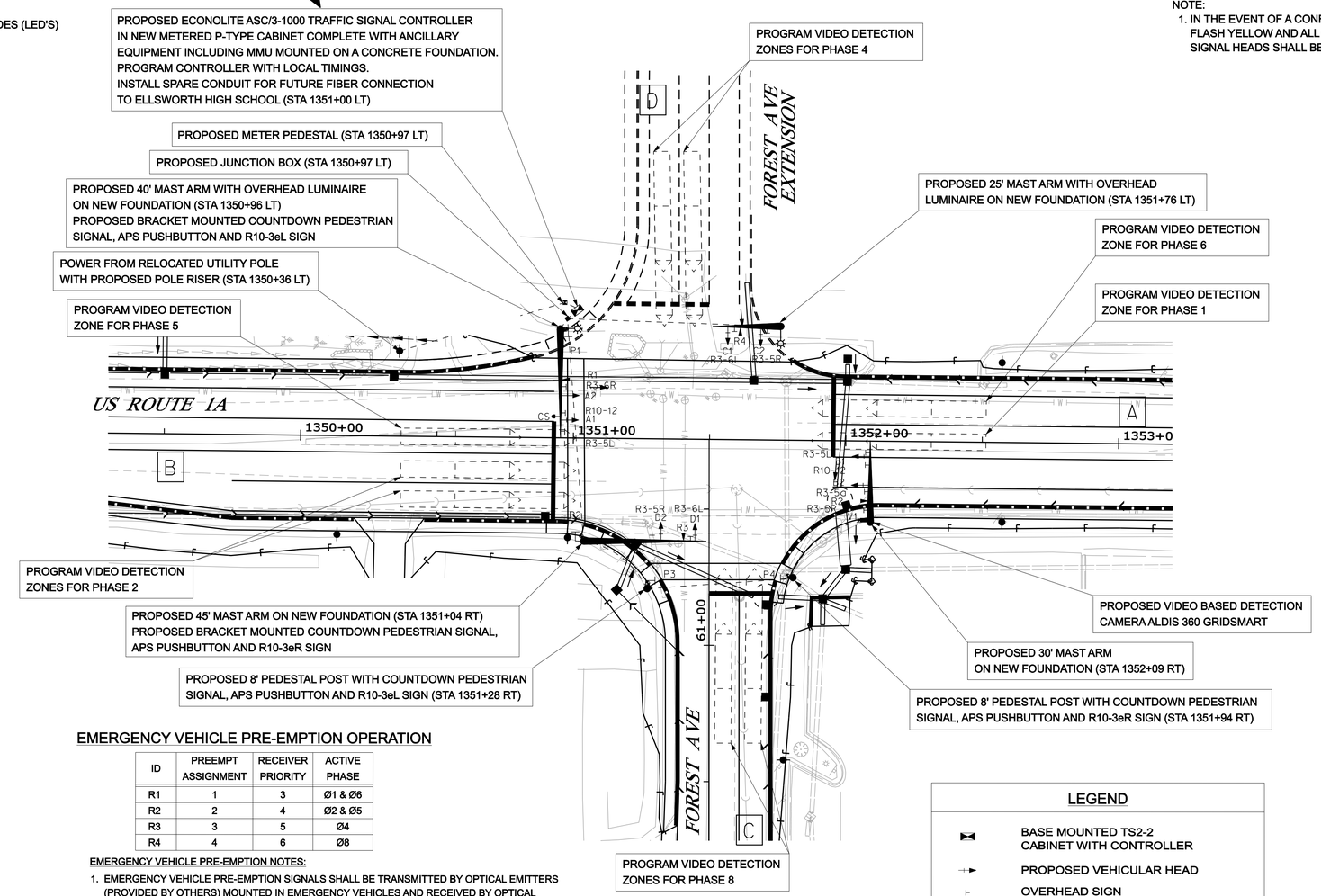


R3-5L	R3-6L	R3-5a	R3-6R	R3-5R	R10-12	R10-3eL	R10-3eR
30x36	30x36	30x36	30x36	30x36	30x36	9x15	9x15
2-PROPOSED	2-PROPOSED	1-PROPOSED	1-PROPOSED	3-PROPOSED	2-PROPOSED	2-PROPOSED	2-PROPOSED

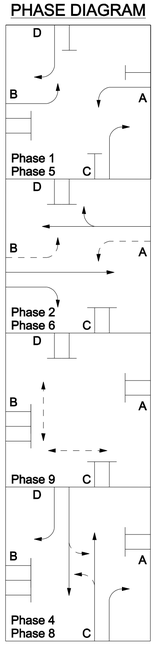
SIGNAL TIMING

	PHASE 1	PHASE 2	PHASE 4	PHASE 5	PHASE 6	PHASE 8	PHASE 9
MIN GREEN	5	10	8	5	10	8	-
EXTENSION	3	3	3	3	3	3	-
MAX 1	15	40	25	15	40	25	28
MAX 2	-	-	-	-	-	-	-
VEH CLEAR	4	4	3.5	4	4	3.5	3
RED CLEAR	2	2	2	2	2	2	0
WALK	-	-	-	-	-	-	5
PED CLEAR	-	-	-	-	-	-	23
RECALL	OFF	SOFT	OFF	OFF	SOFT	OFF	OFF

NOTE:
1. IN THE EVENT OF A CONFLICT OR MALFUNCTION PHASES 2 AND 6 SHALL FLASH YELLOW AND ALL OTHER PHASES SHALL FLASH RED. PEDESTRIAN SIGNAL HEADS SHALL BE BLANK DURING FLASHING OPERATIONS.



PHASE DIAGRAM



WHERE:
PROTECTED TRAFFIC MOVEMENT
PERMISSIVE TRAFFIC MOVEMENT

EMERGENCY VEHICLE PRE-EMPTION OPERATION

ID	PREEMPT ASSIGNMENT	RECEIVER PRIORITY	ACTIVE PHASE
R1	1	3	Ø1 & Ø6
R2	2	4	Ø2 & Ø5
R3	3	5	Ø4
R4	4	6	Ø8

EMERGENCY VEHICLE PRE-EMPTION NOTES:

1. EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS (PROVIDED BY OTHERS) MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT THE INTERSECTION.
2. PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH RECEIVERS ASSIGNED DESCENDING PRIORITIES (3 = HIGHEST, 6 = LOWEST)
3. IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCE (3.5 OR 4.0 SECONDS YELLOW AND 2.0 SECONDS ALL RED) AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PRE-EMPTION CYCLE, THE CONTROLLER SHALL TIME THE PRE-EMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
4. MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
5. CONFIRMATION STROBES SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PREEMPTION GREEN IS ON.

LEGEND

- BASE MOUNTED TS2-2 CABINET WITH CONTROLLER
- PROPOSED VEHICULAR HEAD
- OVERHEAD SIGN
- MAST ARM POLE
- ALUMINUM PEDESTAL POLE
- OPTICOM RECEIVER
- CONFIRMATION STROBE
- PEDESTRIAN SIGNAL HEAD (BLACK) WITH APS PUSH BUTTON AND INFORMATIONAL SIGN
- UNDERGROUND CONDUIT
- VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE

SIGNAL PLAN NOTES:

1. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANIES WHEN INSTALLING EQUIPMENT ON THEIR POLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO DETERMINE THEIR REQUIREMENTS.
2. THE LOCATIONS OF ALL EQUIPMENT SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. THE COST OF POLE RISERS SHALL BE INCIDENTAL TO ITEM 643.71.
4. THE COST OF OVERHEAD SIGNS SHALL BE INCIDENTAL TO ITEM 643.71.
5. THE COST FOR REMOVAL OF THE EXISTING SPAN WIRE AND SUPPORT POLE AT STA 1342+09, LT 36' SHALL BE INCIDENTAL TO ITEM 643.71.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL STRUCTURAL DESIGN OF THE MAST ARMS AND THE CONNECTION OF THE MAST ARMS TO THEIR FOUNDATIONS. ALL DESIGNS SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE. DESIGN COMPUTATIONS. INCLUDING DESIGN LOADS (OVERTURNING MOMENT. TORSION. SHEAR FORCE AND AXIAL LOAD AT THE TOP OF THE FOUNDATIONS. AND SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE DEPARTMENT. NO MATERIALS SHALL BE ORDERED OR FABRICATED UNTIL THE DESIGN HAS BEEN APPROVED.
7. FOUNDATIONS SHALL CONSIST OF CAST-IN-PLACE REINFORCED CONCRETE DRILLED SHAFTS: ONE NEW DRILLED SHAFT PER MAST ARM OR DUAL PURPOSE POLE AS SET FORTH IN SPECIAL PROVISION 643. FOUNDATION SIZES SHALL BE SELECTED BY THE CONTRACTOR BASED UPON ACTUAL COMPUTATED BENDING MOMENTS AND TORSION IN ACCORDANCE WITH SPECIAL PROVISION 643. ACTUAL DESIGN LOADS AT THE TOP OF THE FOUNDATION THAT ARE PROVIDED BY THE CONTRACTOR AS PART OF THEIR STRUCTURAL SUBMITTAL WILL BE USED BY THE DEPARTMENT TO CHECK THE SPECIFIED SIZE OF THE DRILLED SHAFTS. A BORING WAS TAKEN AS PART OF THIS PROJECT FOR THE FOUNDATION DESIGN. THE BORING LOCATIONS AND LOG CAN BE FOUND ON THE GEOPLAN AND BORING LOG PLANSHEET.

PLAN
25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-STP-1919(600)X
WIN 19196.00
HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.L.G.	J.A.R.	03-2016
CHECKED-REVIEWED	C.M.B.	---	---
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE
P.E. NUMBER
DATE

ELLSWORTH
US ROUTE 1A (NHS)

TRAFFIC SIGNAL PLAN

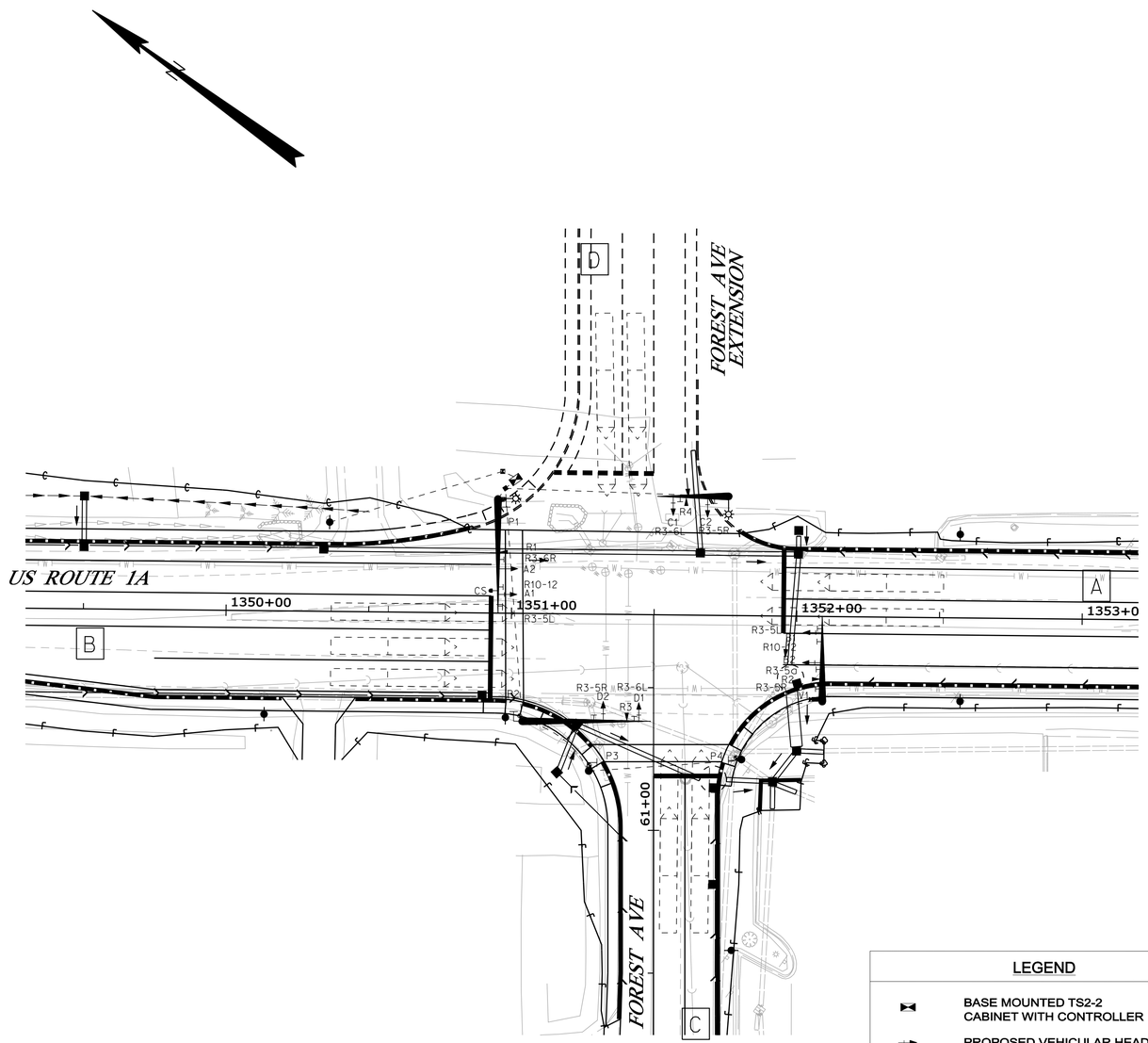
SHEET NUMBER
29
OF 187

Filename: ...\highway\msto\029_Signal_01.dgn Division: Highway Username: jhilton Date:3/29/2016

LIST OF MAJOR ITEMS

EQUIPMENT AND WORK ITEMS 643.71	QUANTITY
FURNISH AND INSTALL P-44 ALUMINUM NEMA TS2 TYPE 1 GROUND MOUNTED CONTROLLER CABINET WITH 15-INCH EXTENSION BASE	1
FURNISH AND INSTALL NEW ECONOLITE ASC/3-1000 TRAFFIC SIGNAL CONTROLLER	1
FURNISH AND INSTALL NEW ENHANCED CONFLICT MONITOR/MALFUNCTION MANAGEMENT UNIT (MMU)	1
FURNISH AND INSTALL ONE-WAY, 3-SECTION 12-INCH MAST FEDERAL YELLOW SIGNAL HEADS WITH LED MODULES WITH TUNNEL VISORS AND LOUVERED BACKPLATES MOUNTED ON MAST ARMS WITH ASTROBRACKETS	4
FURNISH AND INSTALL ONE-WAY, 4-SECTION 12-INCH MAST FEDERAL YELLOW SIGNAL HEADS WITH LED MODULES WITH TUNNEL VISORS AND LOUVERED BACKPLATES MOUNTED ON MAST ARMS WITH ASTROBRACKETS	2
FURNISH AND INSTALL ONE-WAY, 5-SECTION 12-INCH MAST FEDERAL YELLOW SIGNAL HEADS WITH LED MODULES WITH TUNNEL VISORS AND LOUVERED BACKPLATES MOUNTED ON MAST ARMS WITH ASTROBRACKETS	2
FURNISH AND INSTALL ONE-WAY, 16 X 18 INCH LED BRACKET MOUNTED COUNTDOWN PEDESTRIAN SIGNAL HEADS	2
FURNISH AND INSTALL ONE-WAY, 16 X 18 INCH LED TOP OF POST MOUNTED COUNTDOWN PEDESTRIAN SIGNAL HEADS	2
FURNISH AND INSTALL ADA COMPLIANT ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON WITH R10-3E INFORMATIONAL SIGN	4
FURNISH AND INSTALL 4-CHANNEL PREEMPTION PHASE SELECTOR WITH SYSTEM CHASSIS	1
FURNISH AND INSTALL LIGHT-BASED PREEMPTION RECEIVERS WITH DETECTOR CABLE	4
FURNISH AND INSTALL PREEMPTION CONFIRMATION RED STROBE WITH CABLE	1
FURNISH AND INSTALL MAST ARM, BRACKET AND POST MOUNTED SIGNS	11
FURNISH AND INSTALL POLE RISER	1
REMOVE AND DISPOSE EXISTING SPAN WIRE AND SUPPORT POLE AT STA 1342+09	1
FURNISH AND INSTALL NEW SIGNAL CABLE	-
IMPLEMENT LOCAL TIMING	-

THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.



LEGEND

- BASE MOUNTED TS2-2 CABINET WITH CONTROLLER
- PROPOSED VEHICULAR HEAD
- OVERHEAD SIGN
- MAST ARM POLE
- ALUMINUM PEDESTAL POLE
- OPTICOM RECEIVER
- CONFIRMATION STROBE
- PEDESTRIAN SIGNAL HEAD (BLACK) WITH APS PUSH BUTTON AND INFORMATIONAL SIGN
- UNDERGROUND CONDUIT
- VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE

LIST OF MAJOR ITEMS

EQUIPMENT AND WORK ITEMS	QUANTITY
FURNISH AND INSTALL 14-INCH PRECAST JUNCTION BOX (ITEM 626.11)	1
FURNISH AND INSTALL METALLIC CONDUIT (ITEM 626.21)	10 LF
FURNISH AND INSTALL NON-METALLIC SIGNAL CONDUIT (ITEM 626.22)	360 LF
FURNISH AND INSTALL 18-INCH FOUNDATION (ITEM 626.31)	2
FURNISH AND INSTALL 30-INCH DIAMETER, GREATER THAN 8-FEET LONG AND ALL 36-INCH AND 42-INCH DIAMETER FOUNDATIONS (ITEM 626.332)	11 CY
FURNISH AND INSTALL CONTROLLER CABINET FOUNDATION (ITEM 626.35)	1
GALVANIZED STEEL MAST ARM POLE WITH 45-FOOT SIGNAL ARM (ITEM 643.91)	1
GALVANIZED STEEL MAST ARM POLE WITH 30-FOOT SIGNAL ARM (ITEM 643.91)	1
GALVANIZED STEEL MAST ARM POLE WITH 25-FOOT SIGNAL ARM AND OVERHEAD LUMINAIRE (ITEM 643.91)	1
GALVANIZED STEEL MAST ARM POLE WITH 40-FOOT SIGNAL ARM AND OVERHEAD LUMINAIRE (ITEM 643.91)	1
FURNISH AND INSTALL 8-FOOT ALUMINUM PEDESTAL POST (ITEM 643.92)	2
FURNISH AND INSTALL VIDEO DETECTION SYSTEM CONSISTING OF 360 DEGREE ALDIS GRIDSMART CAMERA, GRIDSMART CONTROL UNIT WITH VIDEO PROCESSOR CARD AND ANCILLARY EQUIPMENT (ITEM 643.83)	1

THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

PLAN

25 0 25 50

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.L.G.	J.A.R.	03-2016
CHECKED-REVIEWED	C.M.B.	---	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

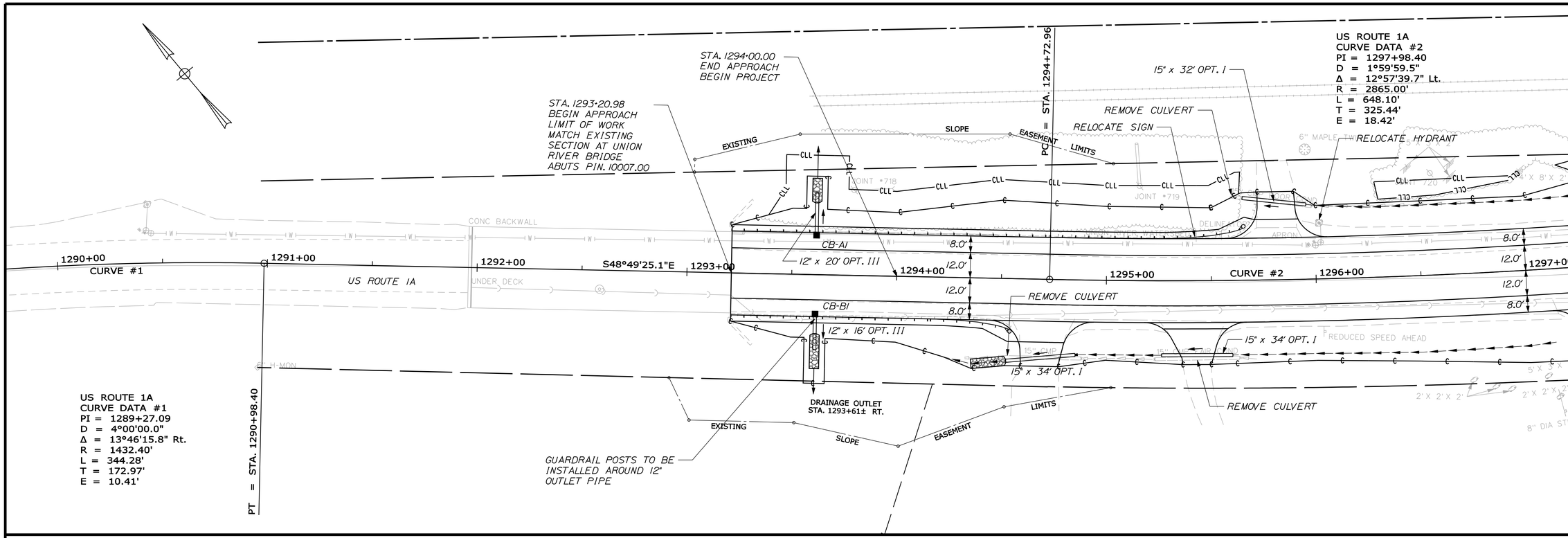
TRAFFIC SIGNAL PLAN

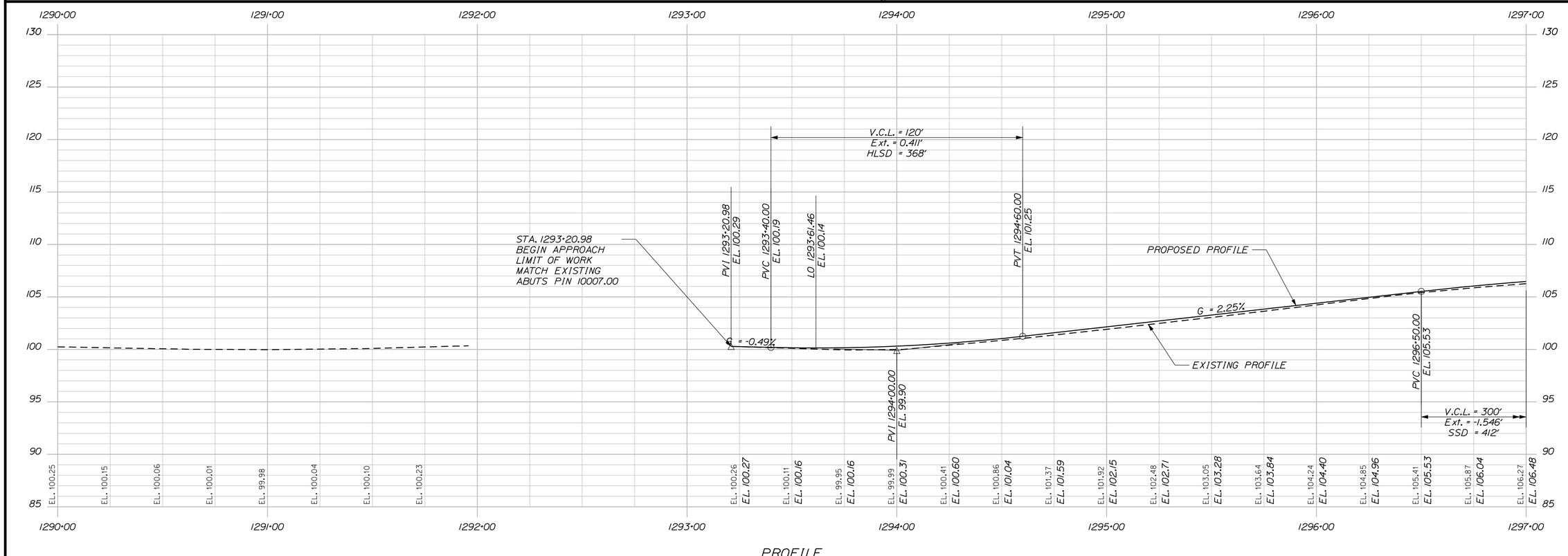
SHEET NUMBER

30

OF 187

Filename: ...\highway\msta\030_Signal_02.dgn Division: Highway Username: jhilton Date:3/29/2016





PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

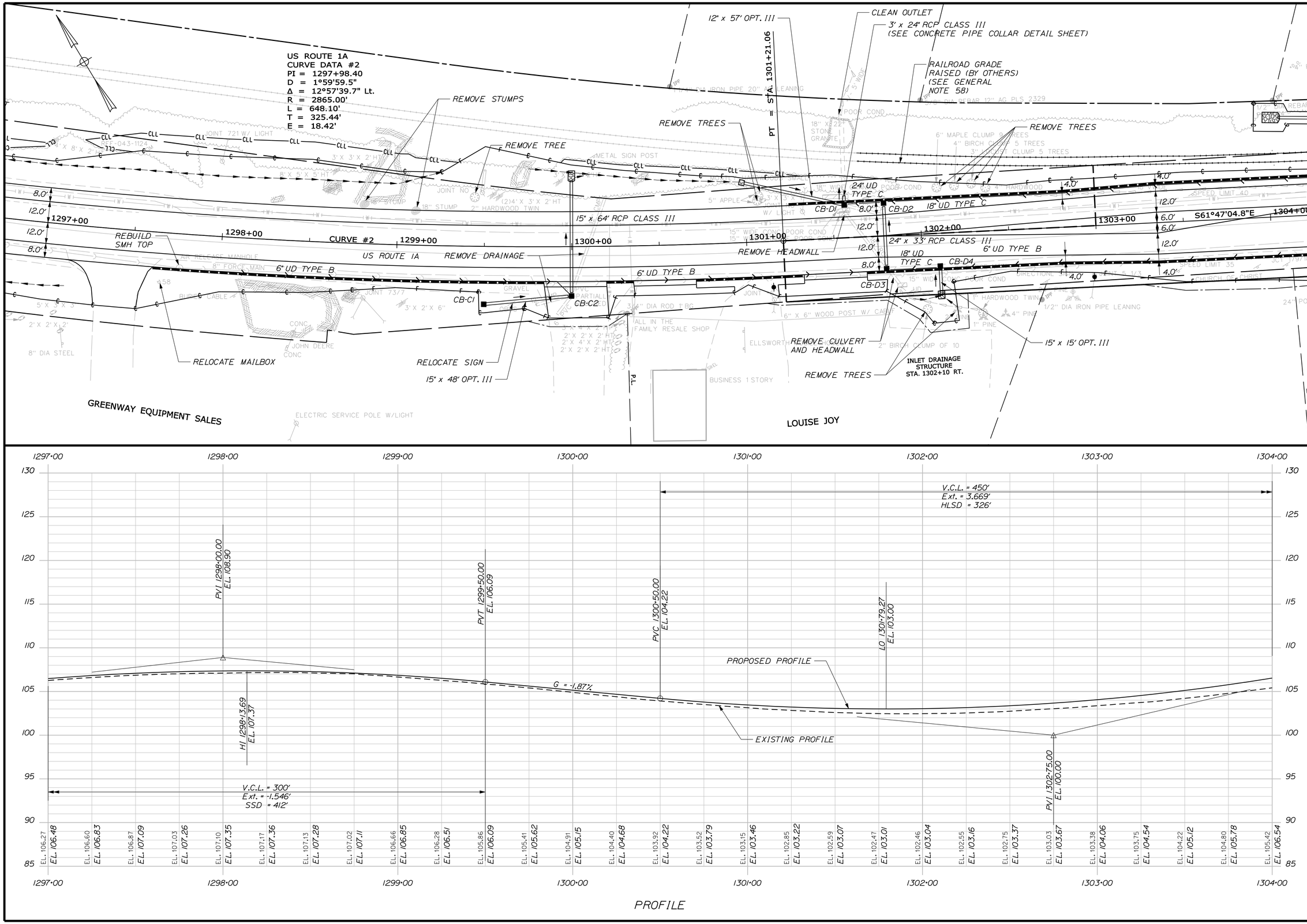
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
31
OF 187

STA. 1290+00.00 TO STA. 1297+00.00

Filename: ...\highway\msto\031_HDPlan_01.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

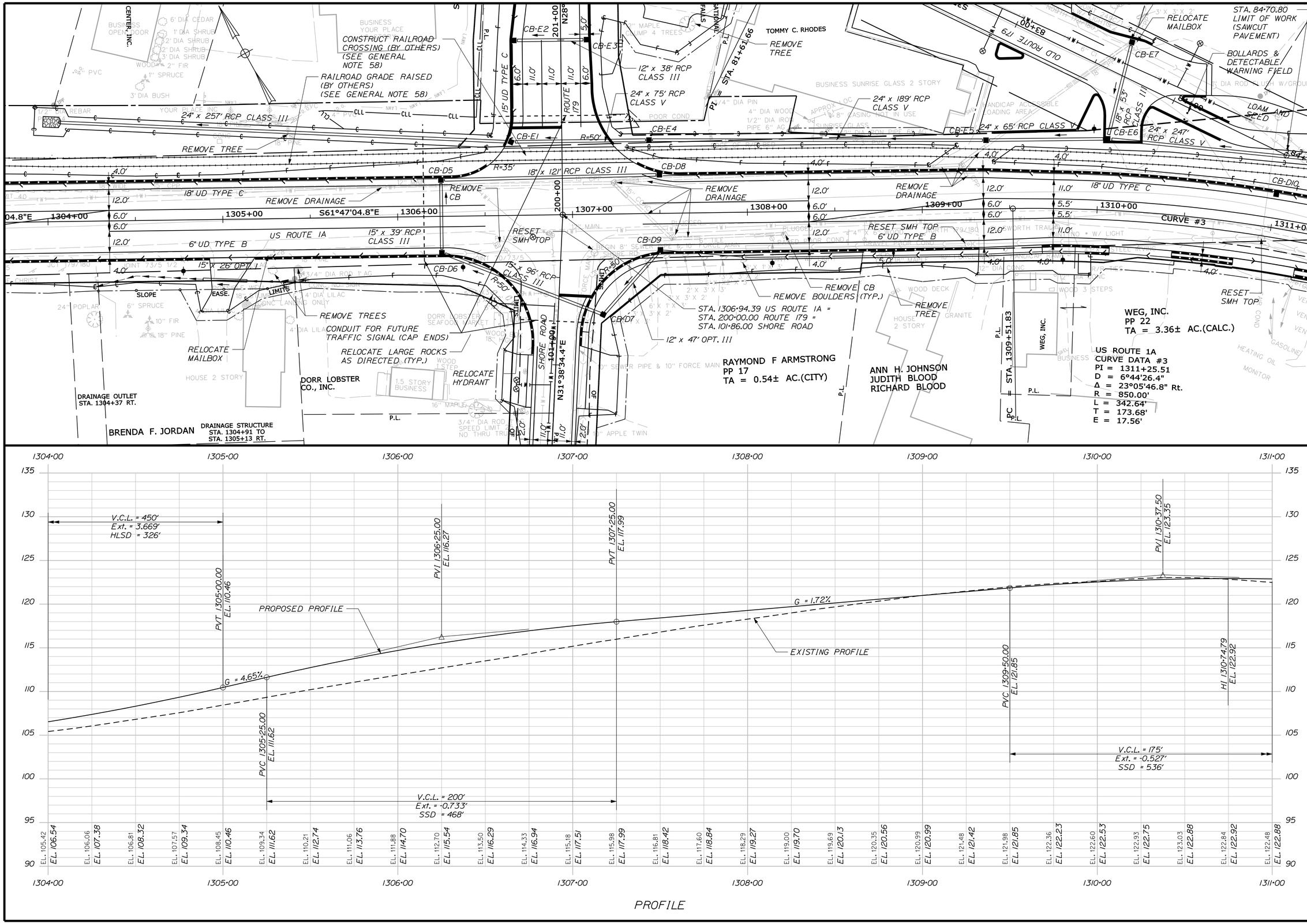
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
32
OF 187

STA. 1297+00.00 TO STA. 1304+00.00

Filename: ...\highway\msta\032_HDPlan_02.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

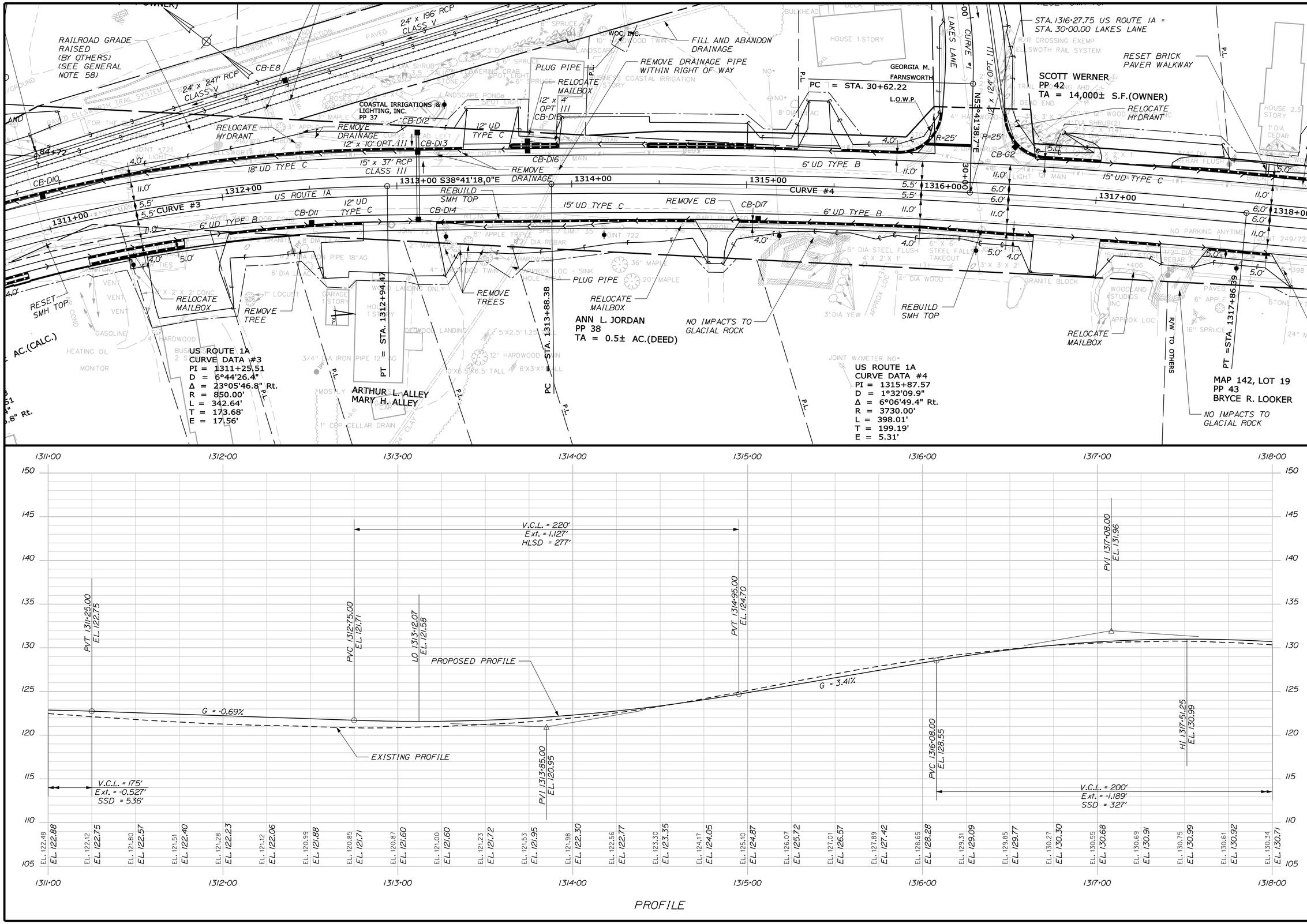
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
33
OF 187

STA. 1304+00.00 TO STA. 1311+00.00

Filename: ...\highway\msta\033_HDPlan_03.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON			
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

SIGNATURE

P.E. NUMBER

DATE

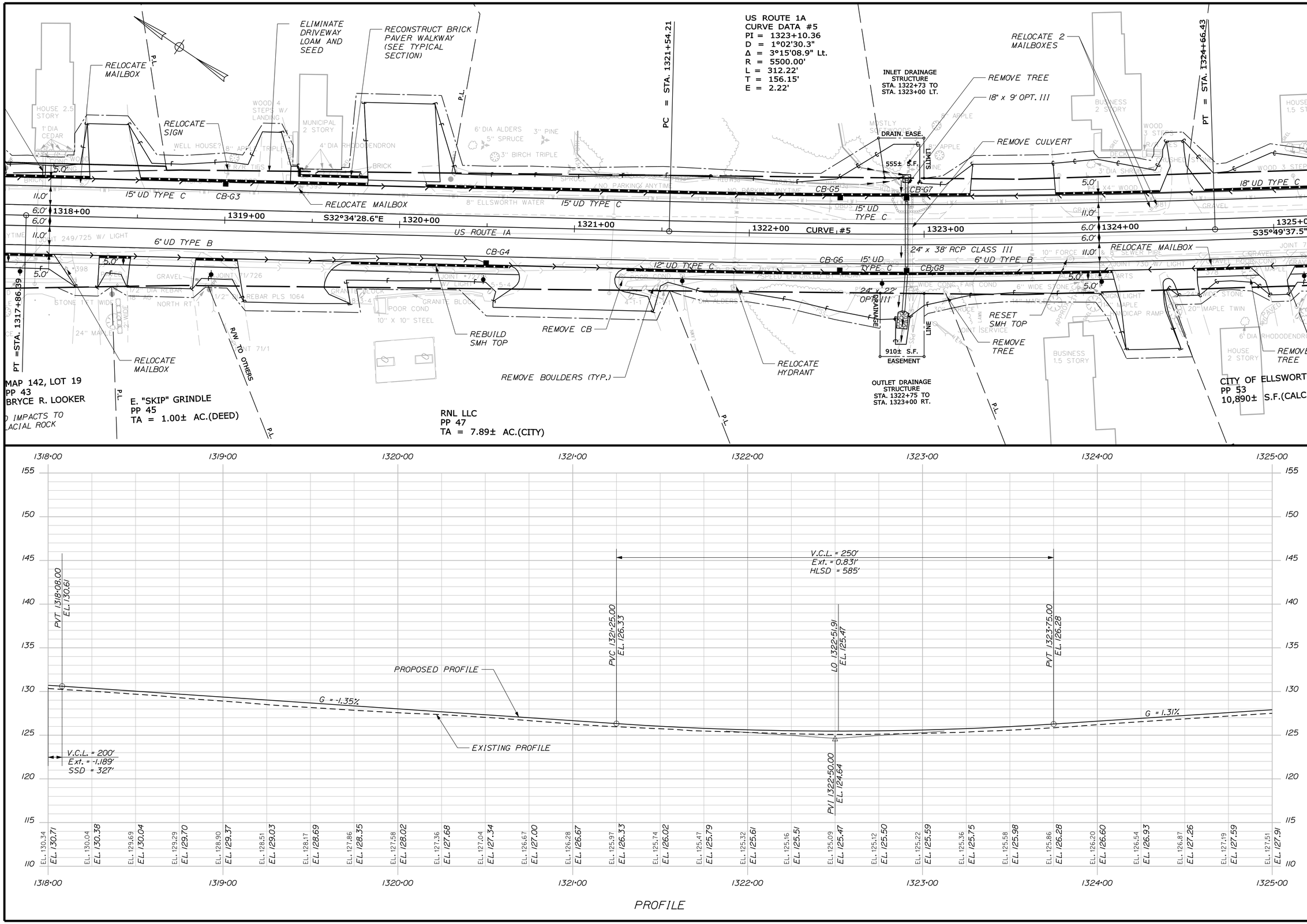
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
34
OF 187

STA. 1311+00.00 TO STA. 1318+00.00

Filename: ...\highway\msta\034_HDPlan_04.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE	SIGNATURE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	P.E. NUMBER
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	DATE
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

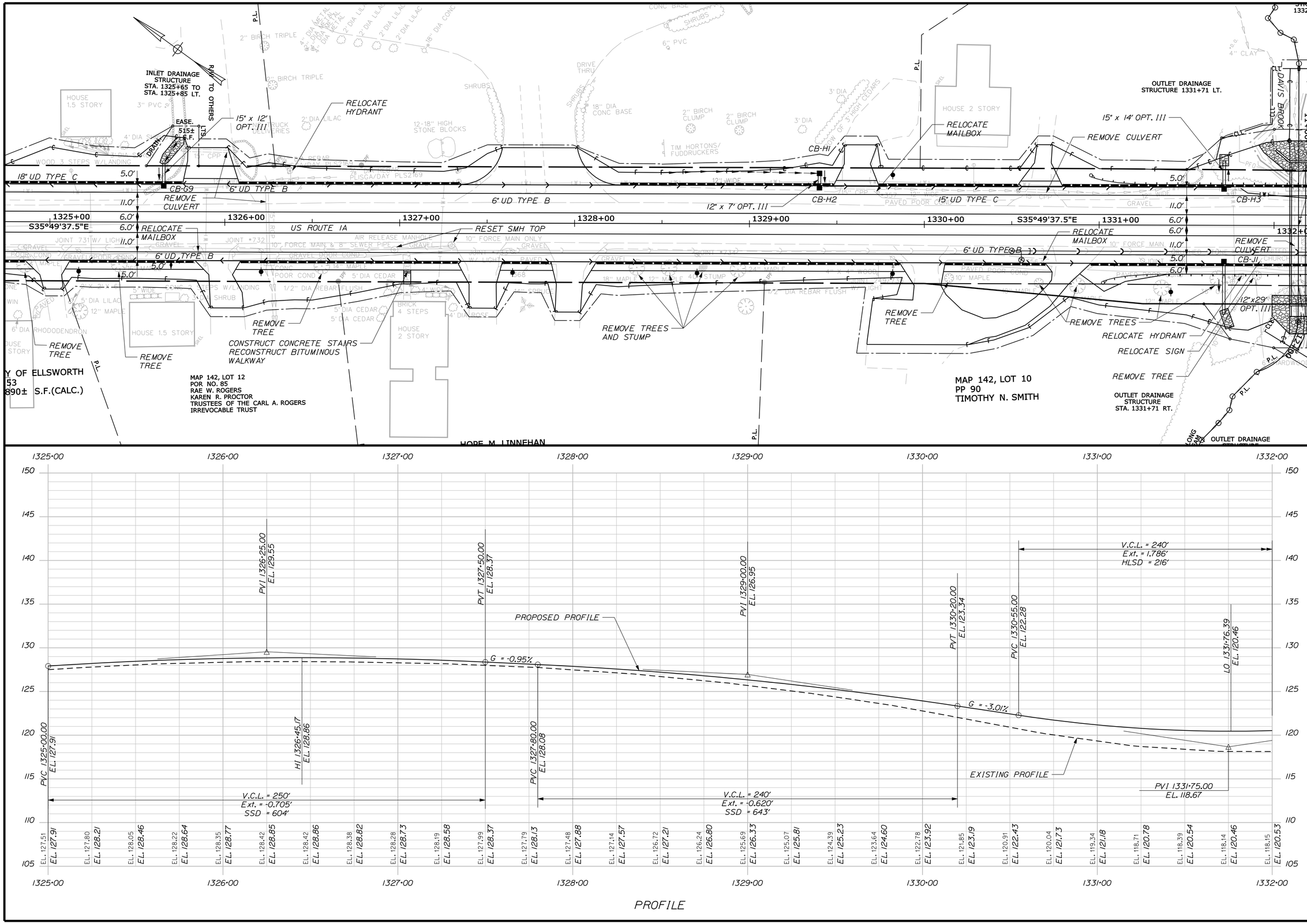
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
35
OF 187

STA. 1318+00.00 TO STA. 1325+00.00

Filename: ...\highway\msta\035_HDPlan_05.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	03-2016	
CHECKED-REVIEWED	J.M.H.	03-2016	
DESIGN2-DETAILED2	---	---	P.E. NUMBER
DESIGN3-DETAILED3	---	---	
REVISIONS 1	---	---	DATE
REVISIONS 2	---	---	
REVISIONS 3	---	---	
REVISIONS 4	---	---	
FIELD CHANGES	---	---	

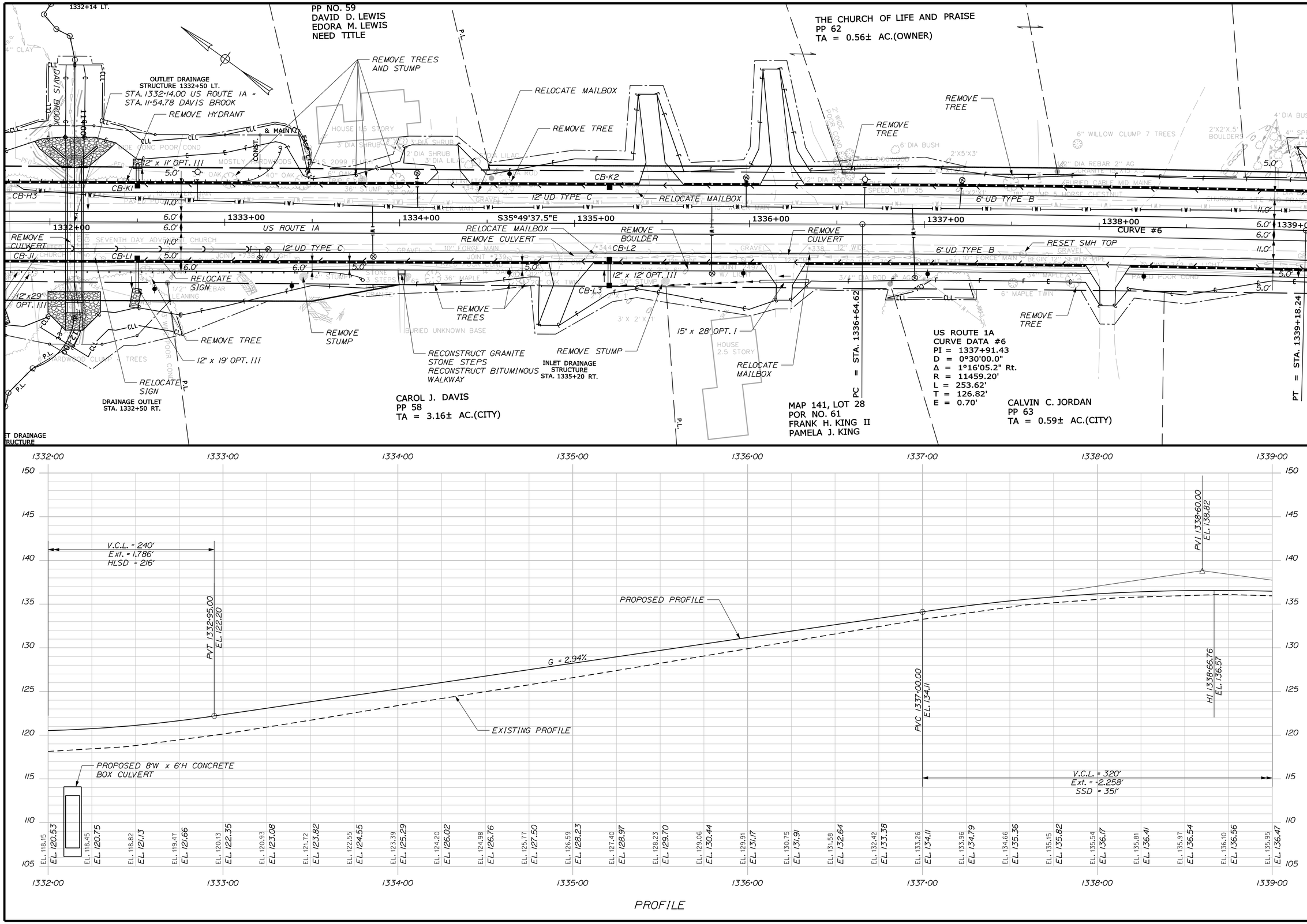
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
36
OF 187

STA. 1325+00.00 TO STA. 1332+00.00

Filename: ...\highway\msta\036_HDPlan_06.dgn Division: Highway Username: jhilton Date:3/22/2016



STA. 1332+00.00 TO STA. 1339+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

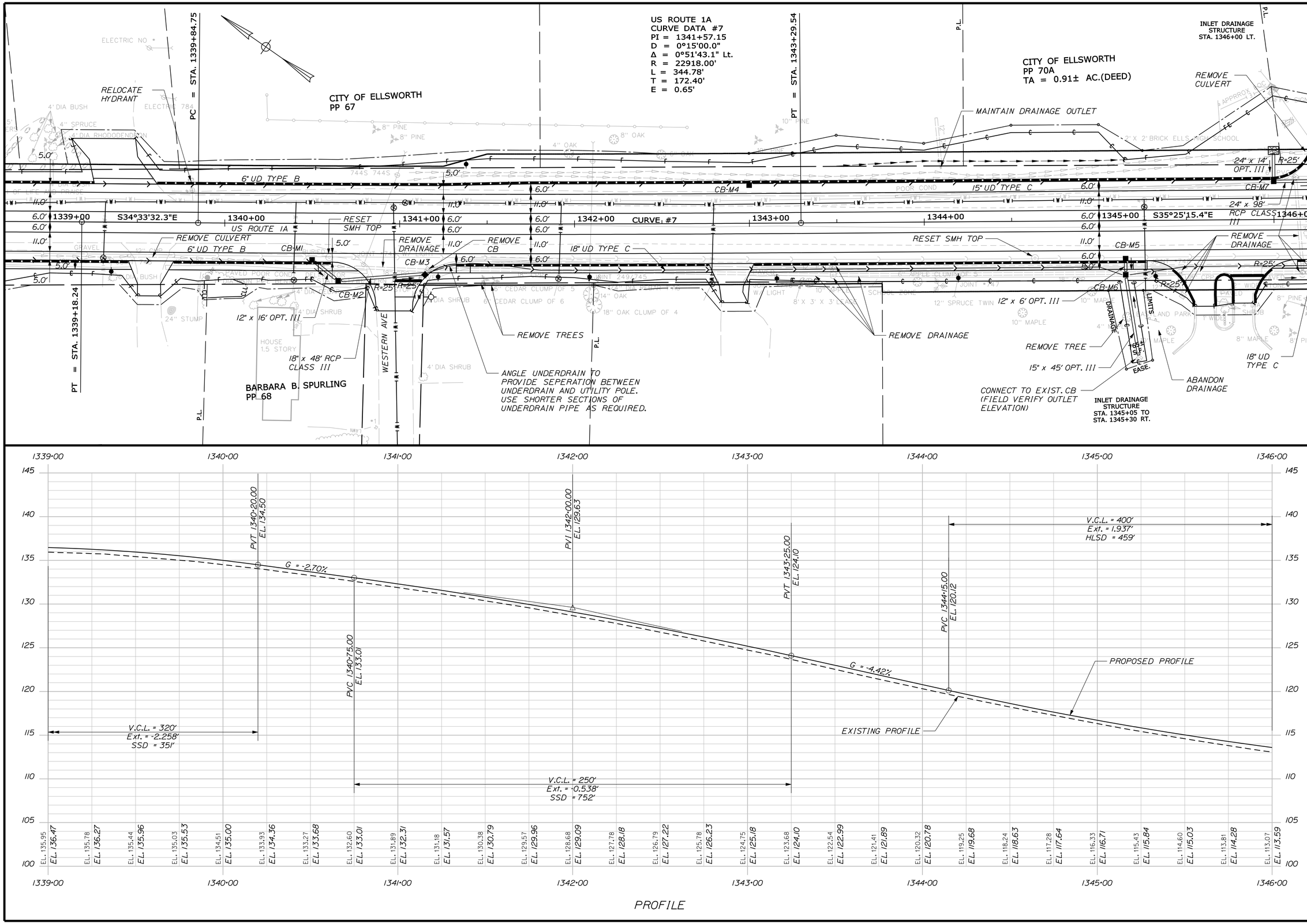
DATE

ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
37
OF 187

Filename: ...\highway\msta\037_HDPlan_07.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	03-2016
CHECKED-REVIEWED	J.M.H.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

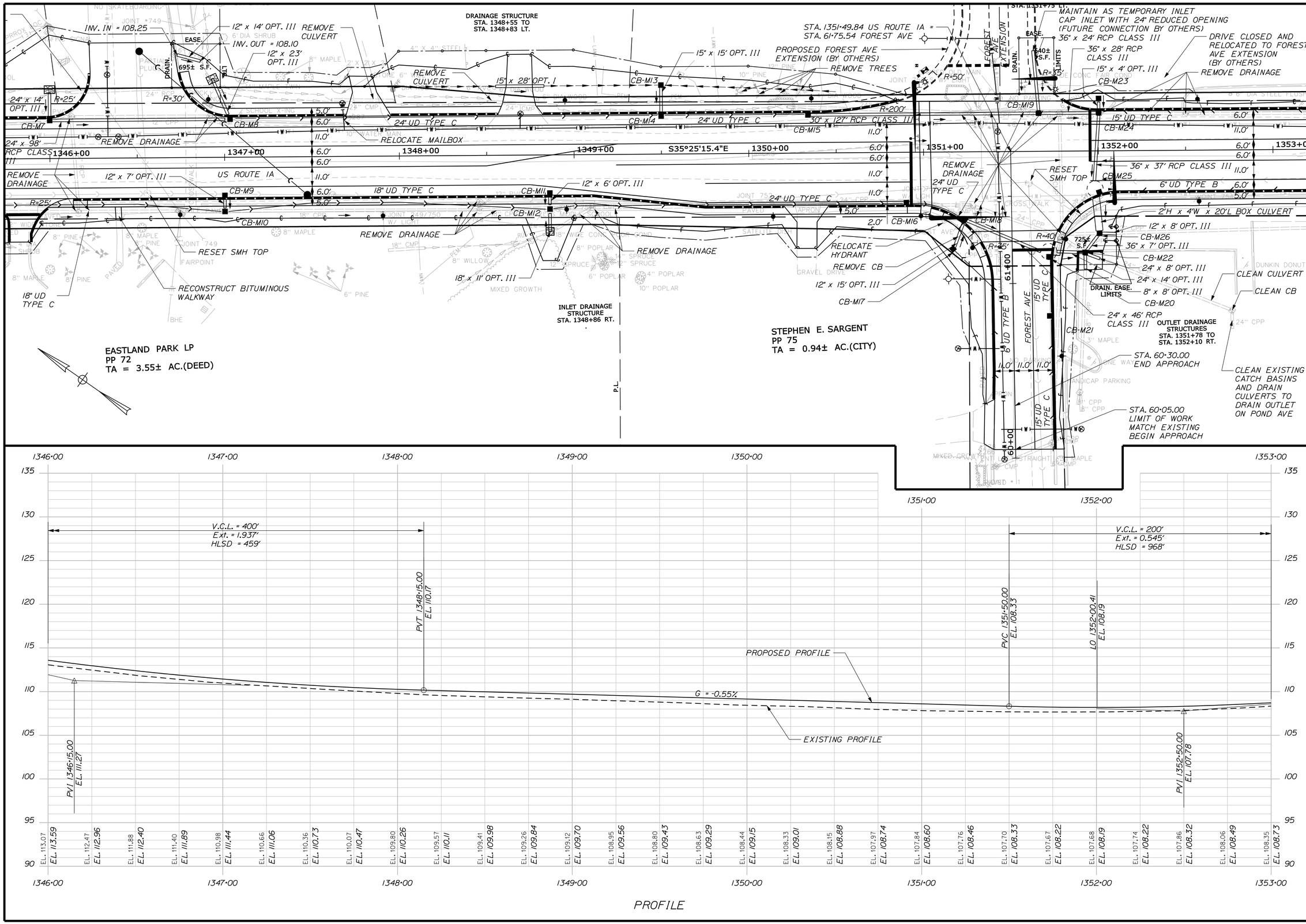
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
38
OF 187

STA. 1339+00.00 TO STA. 1346+00.00

Filename: ...\highway\msta\038_HDPlan_08.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

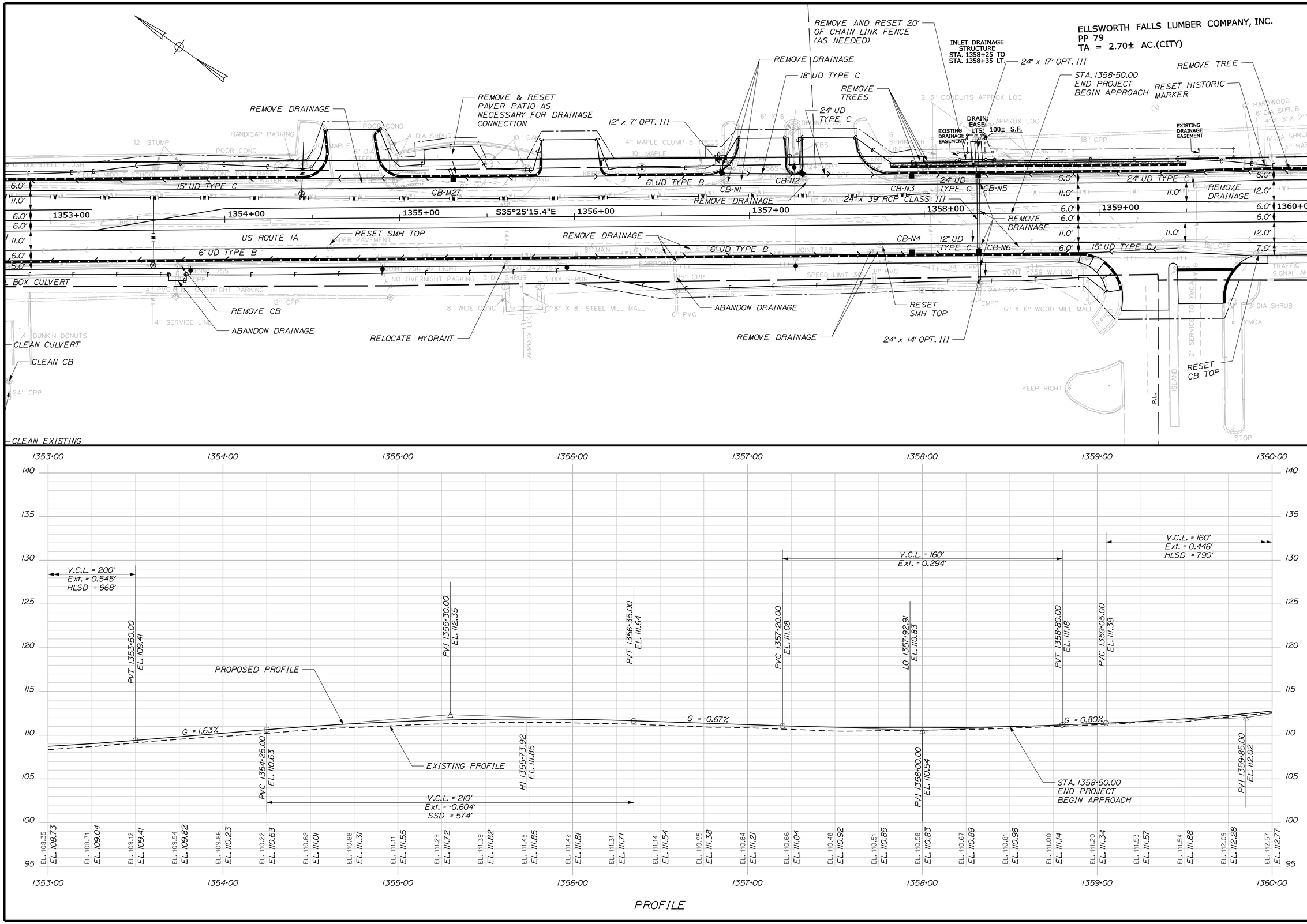
ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
39
OF 187

STA. 1346+00.00 TO STA. 1353+00.00

Filename: ...\highway\msta\039_HDPlan_09.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

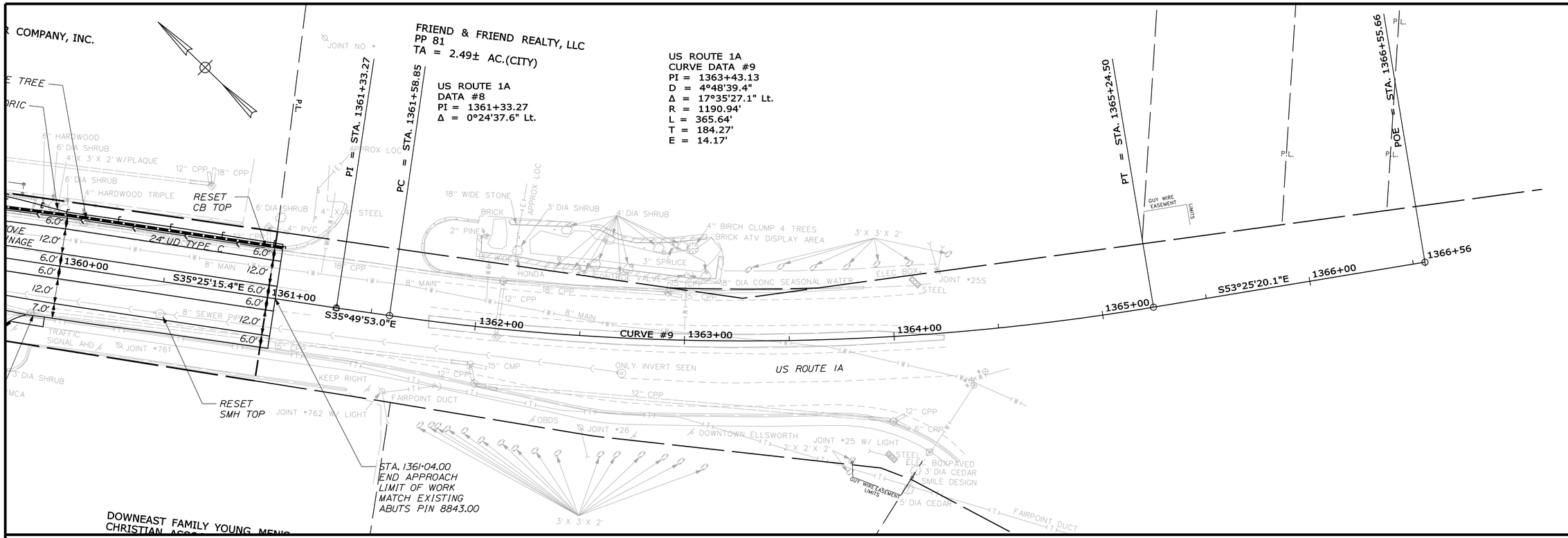
ELLSWORTH
US ROUTE 1A (NHS)

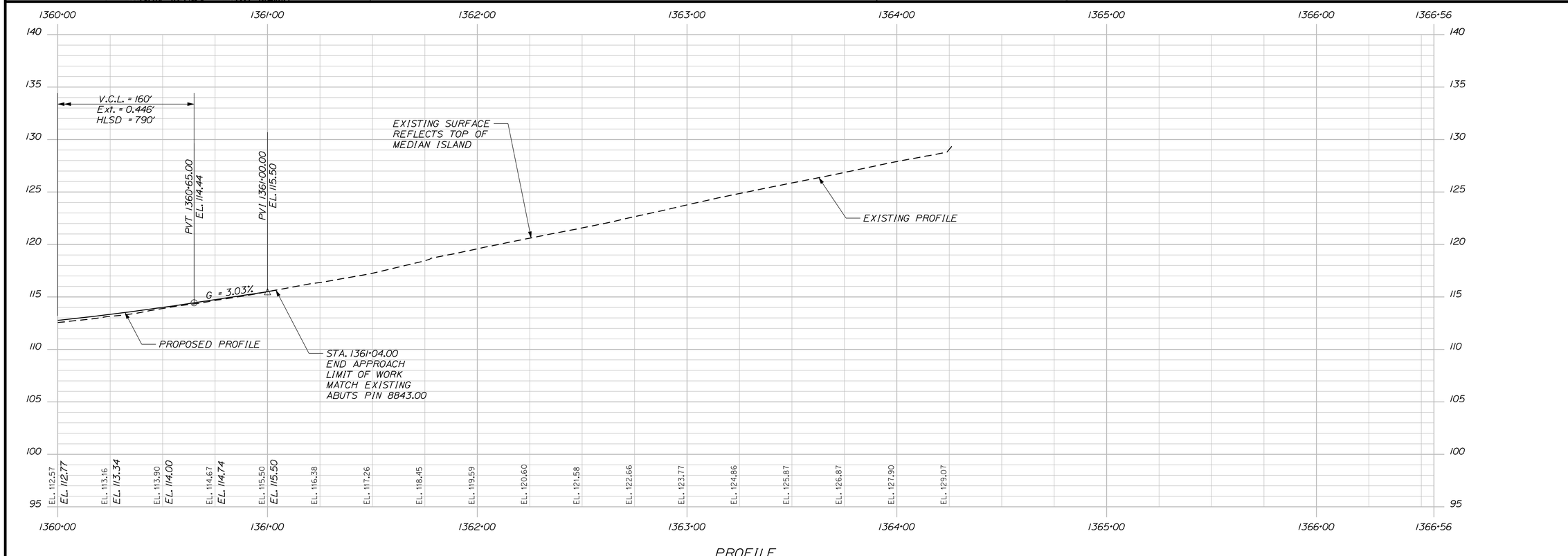
PLANS

SHEET NUMBER
40
OF 187

STA. 1353+00.00 TO STA. 1360+00.00

Filename: ...\highway\msto\040_HDPlan_10.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
41
OF 187

STA. 1360+00.00 TO STA. 1366+56.72

Filename: ...\highway\msta\041_HDPlan_11.dgn Division: Highway Username: jhilton Date:3/22/2016

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	03-2016
CHECKED-REVIEWED	J.M.H.	03-2016
DESIGN2-DETAILED2	...	...
DESIGN3-DETAILED3	...	...
REVISIONS 1	...	...
REVISIONS 2	...	...
REVISIONS 3	...	...
REVISIONS 4	...	...
FIELD CHANGES	...	...

SIGNATURE

P.E. NUMBER

DATE

ROUTE 179
CURVE DATA #1
PI = 202+18.03
D = 17°37'46.1"
Δ = 25°06'13.2" Lt.
R = 325.00'
L = 142.40'
T = 72.36'
E = 7.96'

ROUTE 179
CURVE DATA #2
PI = 203+41.69
D = 11°27'33.0"
Δ = 12°14'33.8" Rt.
R = 500.00'
L = 106.84'
T = 53.62'
E = 2.87'

OLD ROUTE 179
CURVE DATA #1
PI = 80+27.84
D = 49°49'20.7"
Δ = 26°56'24.5" Rt.
R = 115.00'
L = 54.07'
T = 27.55'
E = 3.25'

OLD ROUTE 179
DATA #2
PI = 81+61.66
Δ = 0°30'41.2" Lt.

OLD MILL ROAD
CURVE DATA #1
PI = 71+08.67
D = 2°17'30.6"
Δ = 1°37'43.2" Lt.
R = 2500.00'
L = 71.06'
T = 35.53'
E = 0.25'

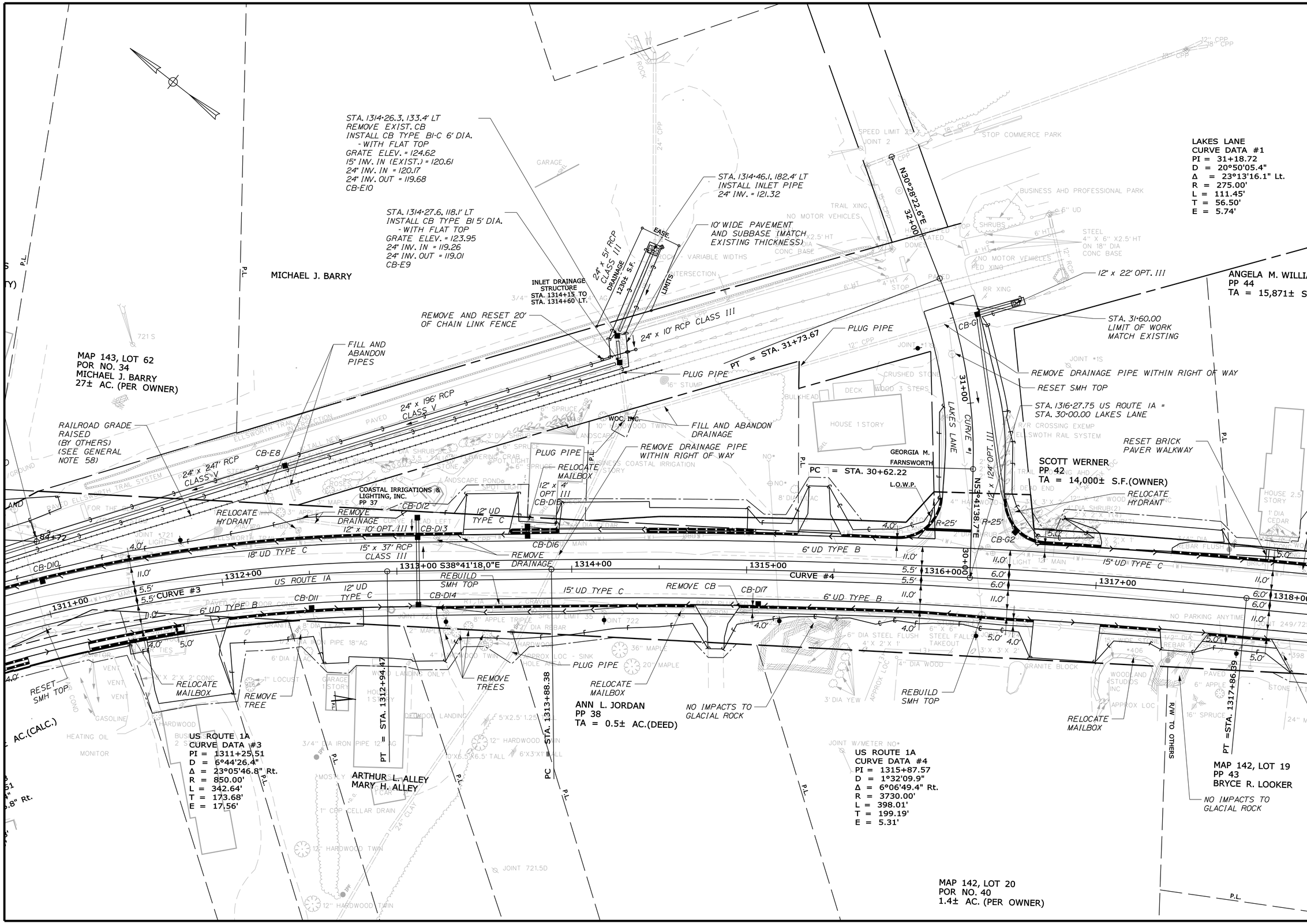
OLD MILL ROAD
CURVE DATA #2
PI = 72+30.89
D = 76°23'39.7"
Δ = 33°15'14.9" Lt.
R = 75.00'
L = 43.53'
T = 22.40'
E = 3.27'

ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER
42
OF 187

Filename: ...\highway\mnsta\042_HDPlan_12.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

PLANS

SHEET NUMBER

43

OF 187

Filename: ...\highway\msta\043_HDPlan_13.dgn Division: Highway Username: jhilton Date:3/22/2016

DAVIS BROOK

DATA #1
PI = 10+06.24
Δ = 27°06'08.6" Lt.

DATA #2
PI = 10+13.00
Δ = 21°23'17.9" Rt.

DATA #3
PI = 10+21.15
Δ = 51°09'30.2" Rt.

DATA #4
PI = 10+28.48
Δ = 74°30'46.7" Lt.

DATA #5
PI = 10+39.51
Δ = 22°41'40.8" Lt.

DATA #6
PI = 10+48.08
Δ = 50°49'44.9" Rt.

DATA #7
PI = 10+62.11
Δ = 12°25'29.9" Rt.

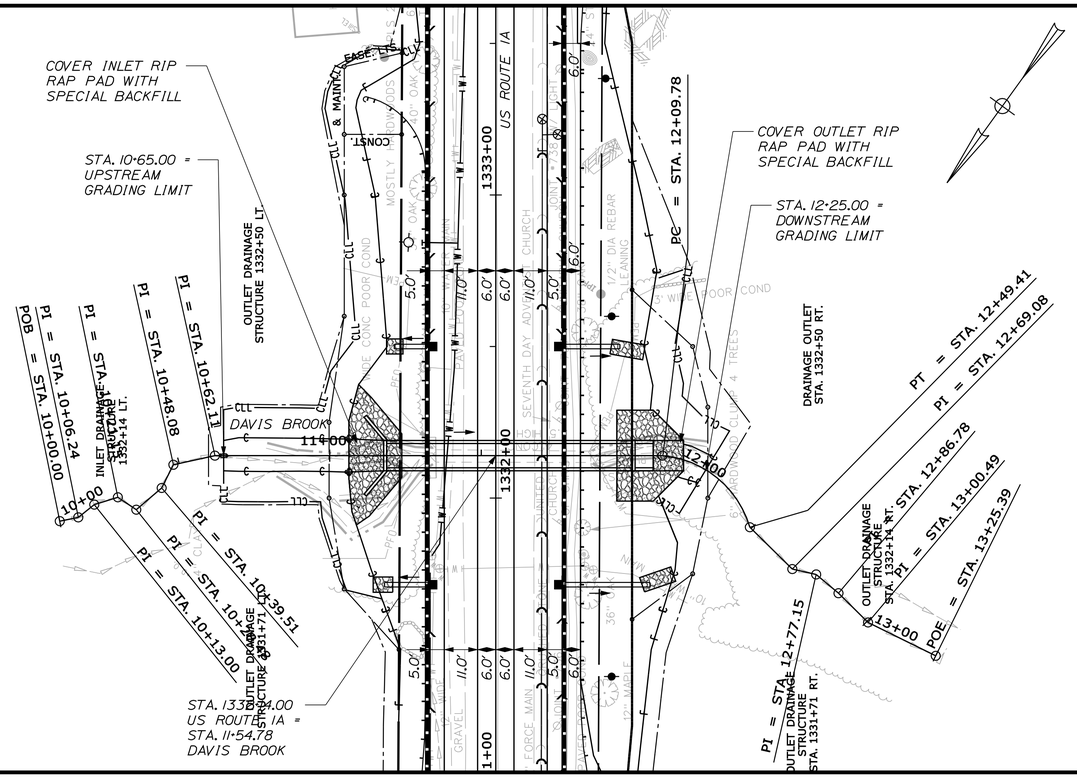
CURVE DATA #8
PI = 12+32.38
D =173°37'24.9"
Δ = 68°48'15.2" Rt.
R = 33.00'
L = 39.63'
T = 22.60'
E = 7.00'

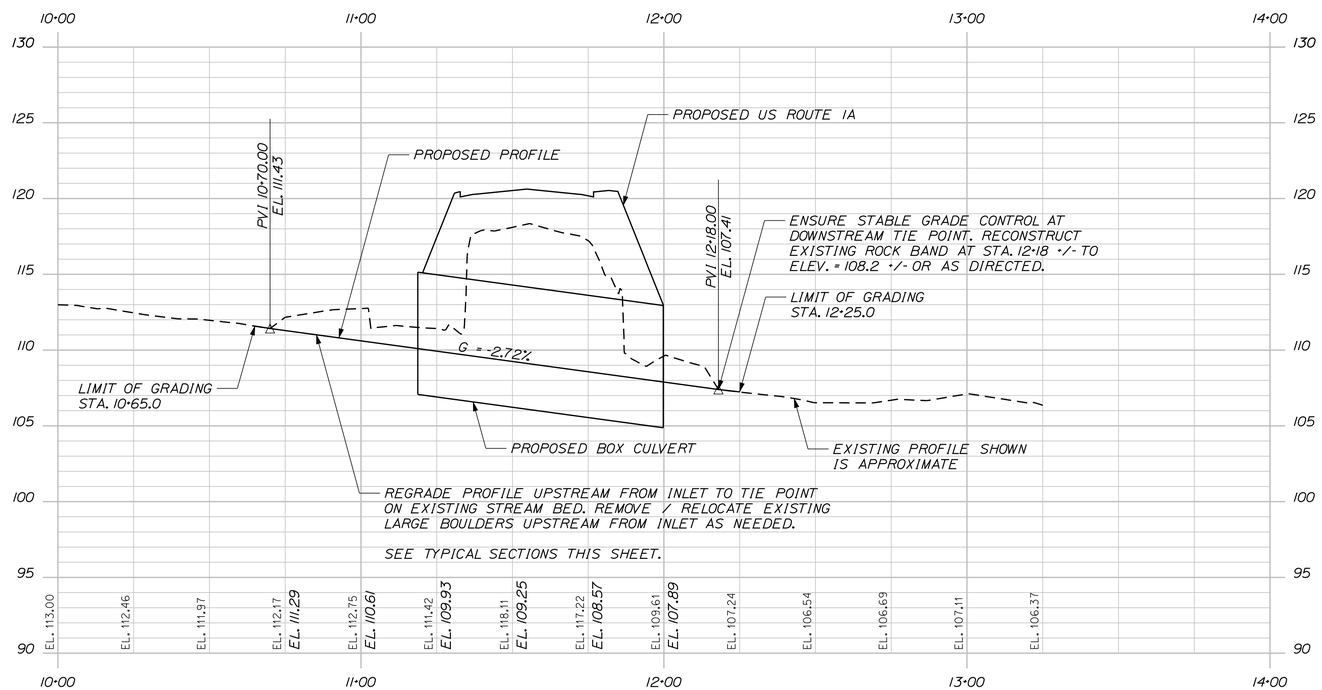
DATA #9
PI = 12+69.08
Δ = 31°49'25.4" Lt.

DATA #10
PI = 12+77.15
Δ = 27°24'20.8" Rt.

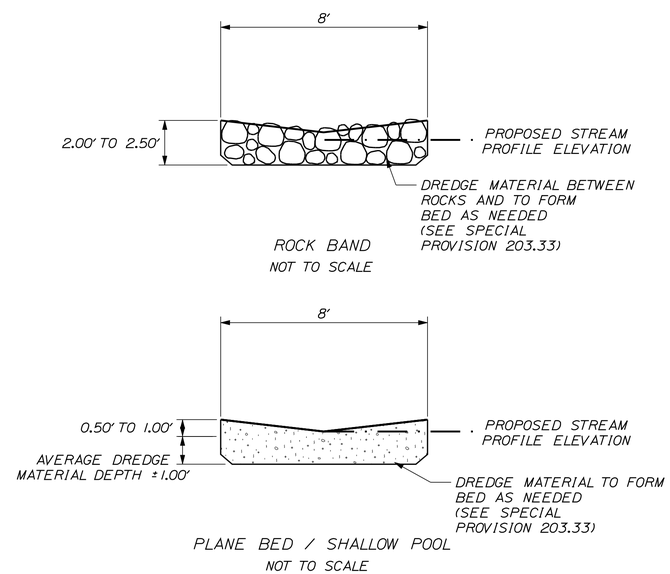
DATA #11
PI = 12+86.78
Δ = 4°35'12.6" Rt.

DATA #12
PI = 13+00.49
Δ = 18°27'12.0" Lt.





DAVIS BROOK PROFILE



TYPICAL STREAM CROSS SECTIONS

NOTE: ANTICIPATE CONSTRUCTING UP TO 6 ROCK BANDS AND UP TO 60 LINEAR FEET OF PLANE BED / SHALLOW POOL CHANNEL AS DIRECTED BY THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

PLANS

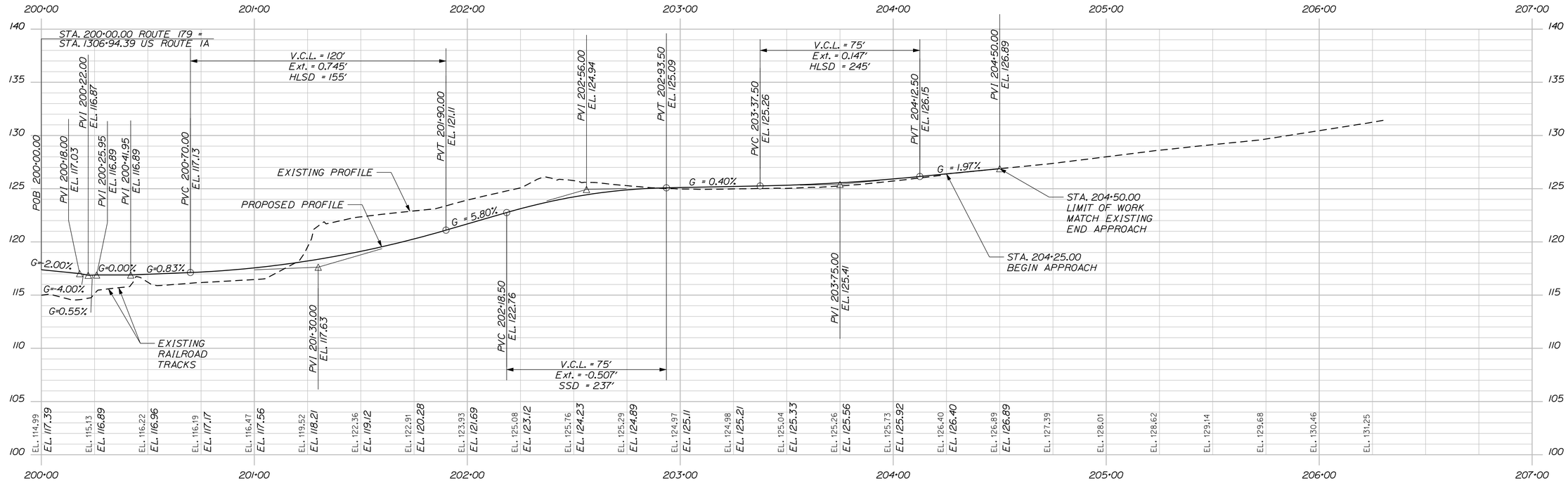
SHEET NUMBER

44

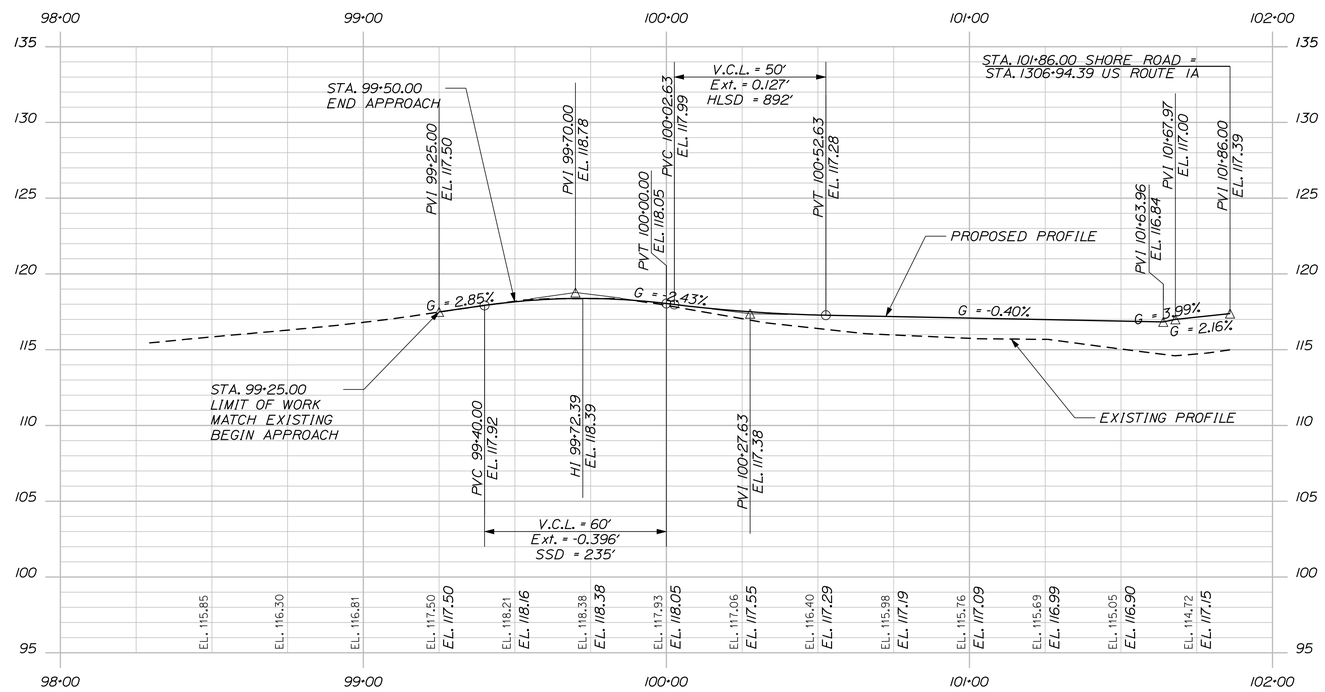
OF 187

STA. 10+00.00 TO STA. 14+00.00

Filename: ...\highway\rmsta\044_HDPlan_14.dgn Division: Highway Username: jhilton Date:3/22/2016



ROUTE 179 PROFILE



SHORE ROAD PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SIDE ROADS

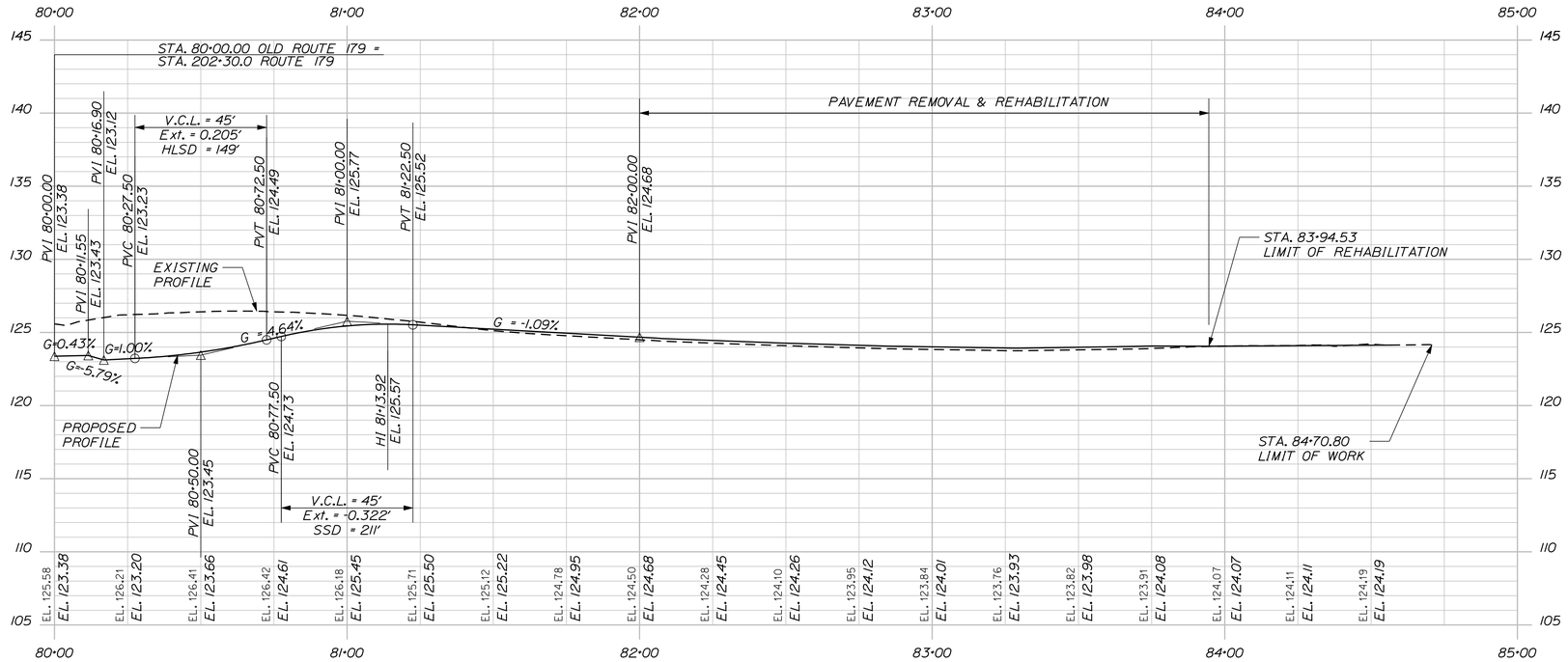
PROFILE

SHEET NUMBER

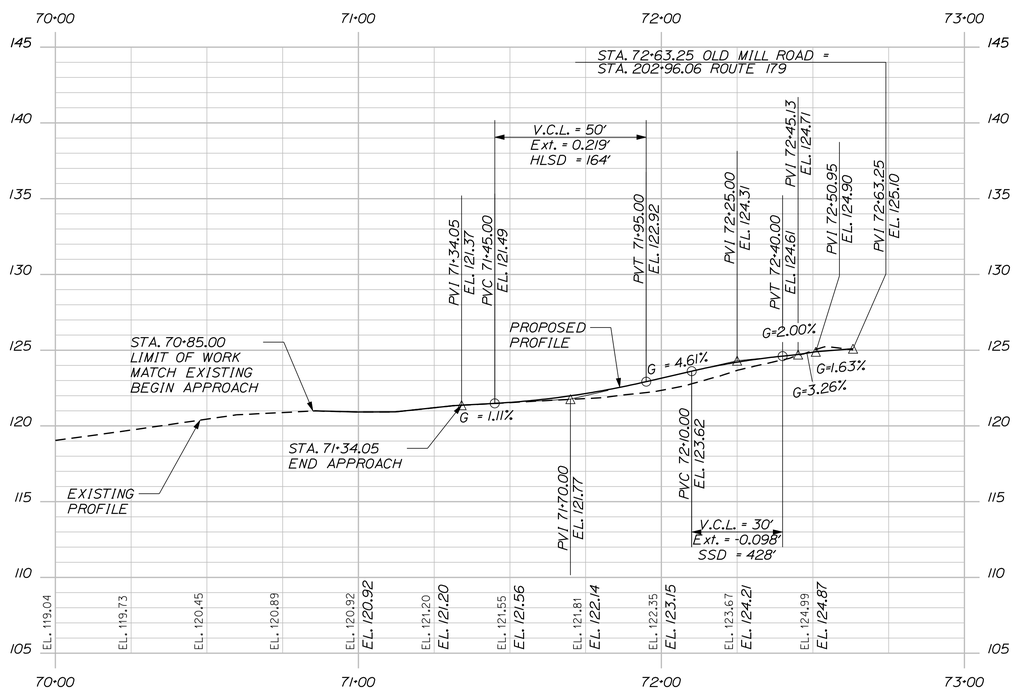
45

OF 187

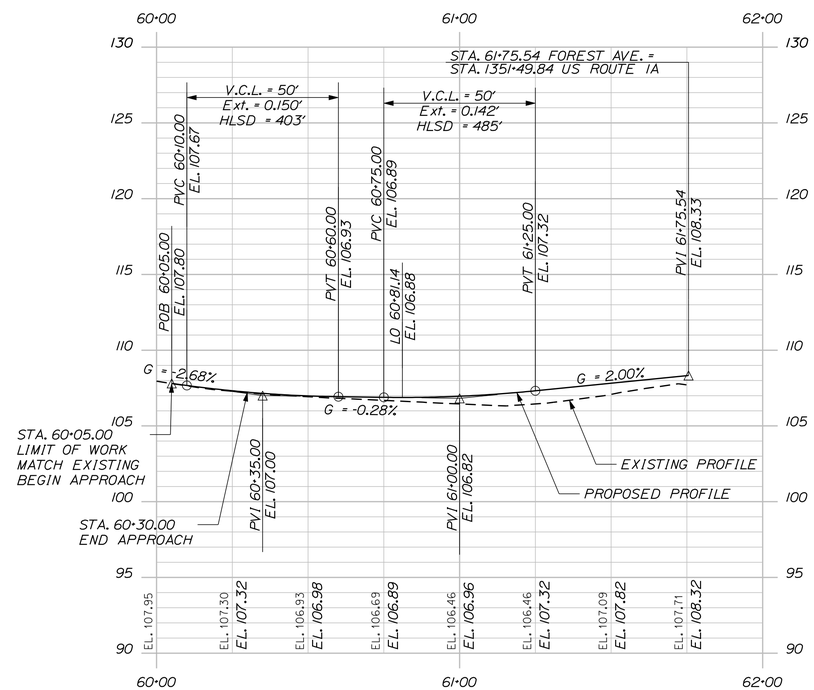
Filename: ...\msta\045_Profile_01.dgn Division: Highway Username: jhilton Date:3/22/2016



OLD ROUTE 179 PROFILE



OLD MILL ROAD PROFILE



FOREST AVENUE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SIDE ROADS

PROFILE

SHEET NUMBER

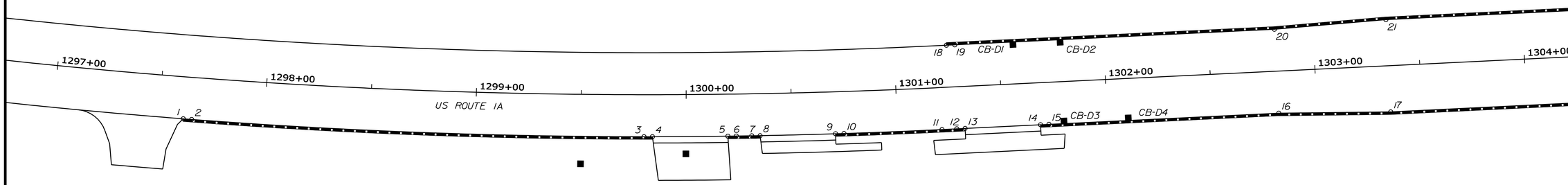
46

OF 187

Filename: ...\msta\046_Profile_02.dgn Division: Highway Username: jhilton Date:3/22/2016

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
1	1297+61.62	20.00' RT	1818138.321	388560.391
2	1297+65.59	20.00' RT	1818141.583	388558.076
3	1299+79.94	20.00' RT	1818322.186	388439.978
4	1299+83.91	20.00' RT	1818325.615	388437.918
5	1300+19.64	20.00' RT	1818356.586	388419.601
6	1300+23.61	20.00' RT	1818360.043	388417.589
7	1300+30.91	20.00' RT	1818366.400	388413.905
8	1300+34.88	20.00' RT	1818369.865	388411.906
9	1300+70.63	20.00' RT	1818401.171	388394.135
10	1300+74.60	20.00' RT	1818404.664	388392.185
11	1301+21.06	20.00' RT	1818445.707	388369.733
12	1301+28.08	20.00' RT	1818451.889	388366.416
13	1301+32.08	20.00' RT	1818455.414	388364.525
14	1301+68.08	20.00' RT	1818487.136	388347.505
15	1301+72.08	20.00' RT	1818490.661	388345.613
16	1302+81.74	20.00' RT	1818587.297	388293.764
17	1303+35.08	22.00' RT	1818633.347	388266.787
18	1301+25.08	20.00' LT	1818468.157	388403.081
19	1301+29.08	20.00' LT	1818471.682	388401.190
20	1302+81.59	20.00' LT	1818606.073	388329.084
21	1303+34.93	22.00' LT	1818654.015	388305.631

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-D1	1301+56.80	20.00' LT	1818496.110	388388.084
CB-D2	1301+79.30	20.00' LT	1818515.936	388377.446
CB-D3	1301+79.30	20.00' RT	1818497.025	388342.199
CB-D4	1302+10.10	20.00' RT	1818524.165	388327.637



ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
2 TO 3	2885.00'	215.8'
6 TO 7	2885.00'	7.3'
10 TO 11	2885.00'	46.8'
11 TO 12	—	7.0'
15 TO 16	—	109.7'
16 TO 17	—	53.4'
17 TO 22	—	153.0'
19 TO 20	—	152.5'
20 TO 21	—	53.4'
21 TO 49	—	296.6'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
1 TO 2	2885.00'	4.0'
3 TO 4	2885.00'	4.0'
5 TO 6	2885.00'	4.0'
7 TO 8	2885.00'	4.0'
9 TO 10	2885.00'	4.0'
12 TO 13	—	4.0'
14 TO 15	—	4.0'
18 TO 19	—	4.0'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
47
OF 187

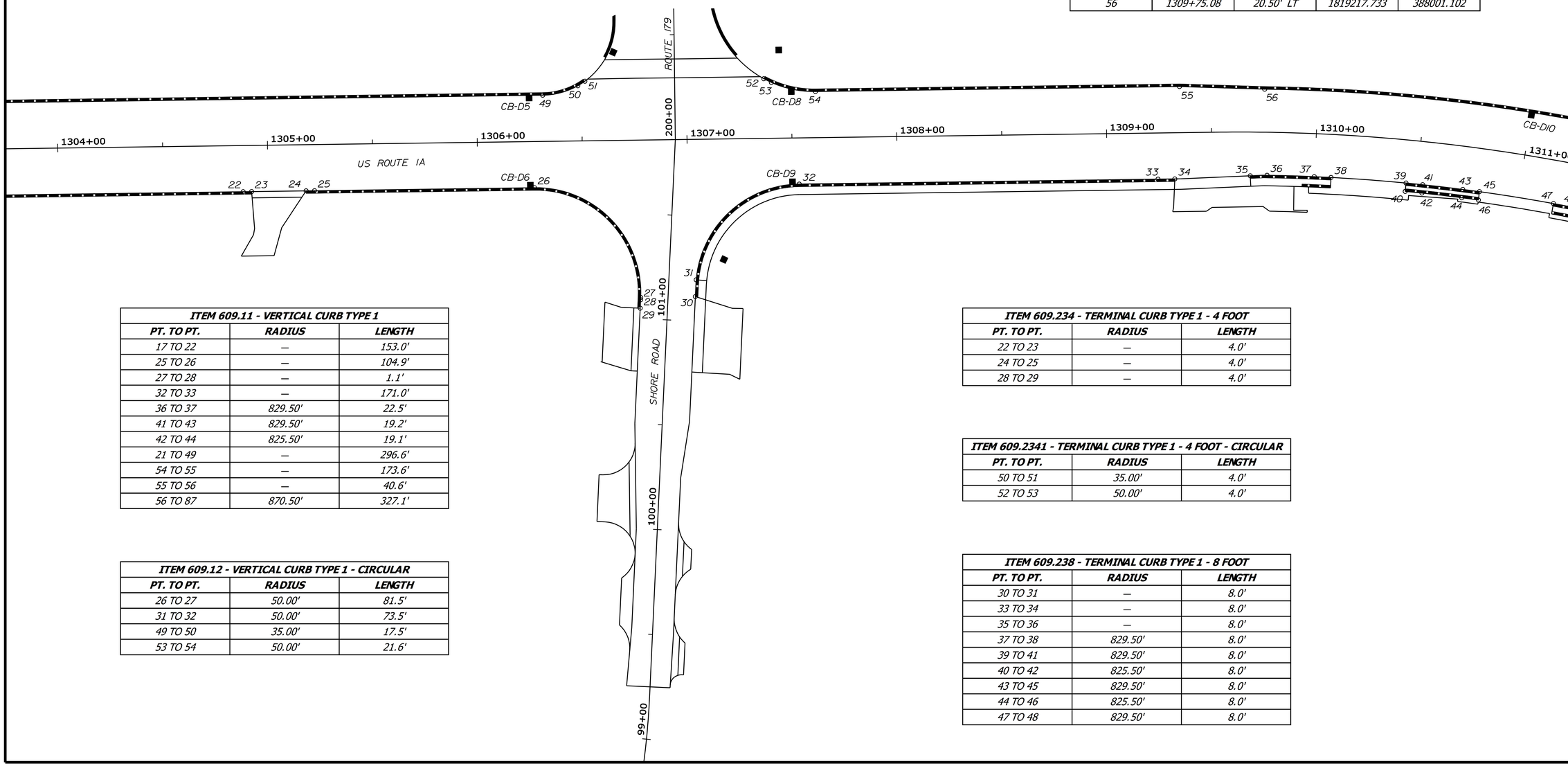
STA. 1297+00.00 TO STA. 1304+00.00

Filename: ...\msto\047_GeomPlan_02.dgn Division: Highway Username: jhilton Date:3/22/2016

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-D5	1306+25.00	22.00' LT	1818909.622	388168.487
CB-D6	1306+25.00	22.00' RT	1818888.820	388129.716
CB-D8	1307+50.30	23.28' LT	1819020.639	388110.375
CB-D9	1307+50.30	22.10' RT	1818999.184	388070.387
CB-D10	1311+00.00	20.50' LT	1819323.708	387929.641

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
22	1304+88.11	22.00' RT	1818768.196	388194.435
23	1304+92.11	22.00' RT	1818771.720	388192.544
24	1305+18.11	22.00' RT	1818794.631	388180.252
25	1305+22.11	22.00' RT	1818798.156	388178.361
26	1306+26.97	22.00' RT	1818890.553	388128.785
27	101+10.10	13.00' LT	1818909.481	388058.495
28	101+09.00	13.00' LT	1818908.905	388057.561
29	101+05.00	13.00' LT	1818906.806	388054.156
30	101+11.73	13.00' RT	1818932.469	388046.241
31	101+19.73	13.04' RT	1818936.703	388053.029
32	1307+53.19	22.00' RT	1819001.780	388069.108
33	1309+24.22	22.00' RT	1819152.486	387988.248
34	1309+32.22	22.00' RT	1819159.536	387984.466
35	1309+68.62	20.84' RT	1819191.720	387968.332
36	1309+76.81	20.50' RT	1819198.835	387964.675
37	1309+99.88	20.50' RT	1819218.199	387953.189
38	1310+08.08	20.50' RT	1819225.003	387948.981

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
39	1310+44.82	20.50' RT	1819254.983	387929.329
40	1310+44.82	24.50' RT	1819252.719	387926.032
41	1310+53.02	20.50' RT	1819261.556	387924.768
42	1310+53.06	24.50' RT	1819259.291	387921.471
43	1310+72.72	20.50' RT	1819277.167	387913.550
44	1310+72.74	24.50' RT	1819274.815	387910.315
45	1310+80.91	20.50' RT	1819283.586	387908.776
46	1310+80.98	24.50' RT	1819281.234	387905.540
47	1311+17.56	20.50' RT	1819311.705	387886.687
48	1311+25.75	20.50' RT	1819317.863	387881.581
49	1306+31.49	22.00' LT	1818915.343	388165.418
50	1306+48.29	26.29' LT	1818932.172	388161.260
51	1306+51.68	28.41' LT	1818936.163	388161.521
52	1307+37.01	28.42' LT	1819011.356	388121.188
53	1307+40.57	26.60' LT	1819013.635	388117.901
54	1307+61.52	22.00' LT	1819029.919	388103.943
55	1309+35.08	22.00' LT	1819182.856	388021.887
56	1309+75.08	20.50' LT	1819217.733	388001.102



ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
17 TO 22	–	153.0'
25 TO 26	–	104.9'
27 TO 28	–	1.1'
32 TO 33	–	171.0'
36 TO 37	829.50'	22.5'
41 TO 43	829.50'	19.2'
42 TO 44	825.50'	19.1'
21 TO 49	–	296.6'
54 TO 55	–	173.6'
55 TO 56	–	40.6'
56 TO 87	870.50'	327.1'

ITEM 609.12 - VERTICAL CURB TYPE 1 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
26 TO 27	50.00'	81.5'
31 TO 32	50.00'	73.5'
49 TO 50	35.00'	17.5'
53 TO 54	50.00'	21.6'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
22 TO 23	–	4.0'
24 TO 25	–	4.0'
28 TO 29	–	4.0'

ITEM 609.2341 - TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
50 TO 51	35.00'	4.0'
52 TO 53	50.00'	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
30 TO 31	–	8.0'
33 TO 34	–	8.0'
35 TO 36	–	8.0'
37 TO 38	829.50'	8.0'
39 TO 41	829.50'	8.0'
40 TO 42	825.50'	8.0'
43 TO 45	829.50'	8.0'
44 TO 46	825.50'	8.0'
47 TO 48	829.50'	8.0'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
48
OF 187

STA. 1304+00.00 TO STA. 1311+00.00

Filename: ...\msta\048_GeomPlan_03.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
48 TO 57	829.50'	39.7'
60 TO 61	829.50'	60.8'
66 TO 69	—	57.9'
69 TO 70	3709.50'	73.8'
73 TO 74	3709.50'	94.5'
74 TO 75	3707.07'	49.7'
75 TO 76	3708.00'	7.6'
79 TO 80	3708.00'	18.2'
83 TO 84	3708.00'	11.6'
84 TO 85	—	8.4'
56 TO 87	870.50'	327.1'
87 TO 88	—	39.7'
90 TO 92	—	21.9'
92 TO 94	3750.50'	3.1'
96 TO 100	3750.50'	80.2'
103 TO 104	3750.50'	27.5'
109 TO 110	3752.00'	27.9'
113 TO 114	3752.00'	41.0'
114 TO 115	—	32.0'

ITEM 609.111 - SPECIAL GRANTE CURB - 24"		
PT. TO PT.	RADIUS	LENGTH
91 TO 93	—	21.9'
93 TO 95	3753.50'	3.1'
97 TO 98	3753.50'	56.9'

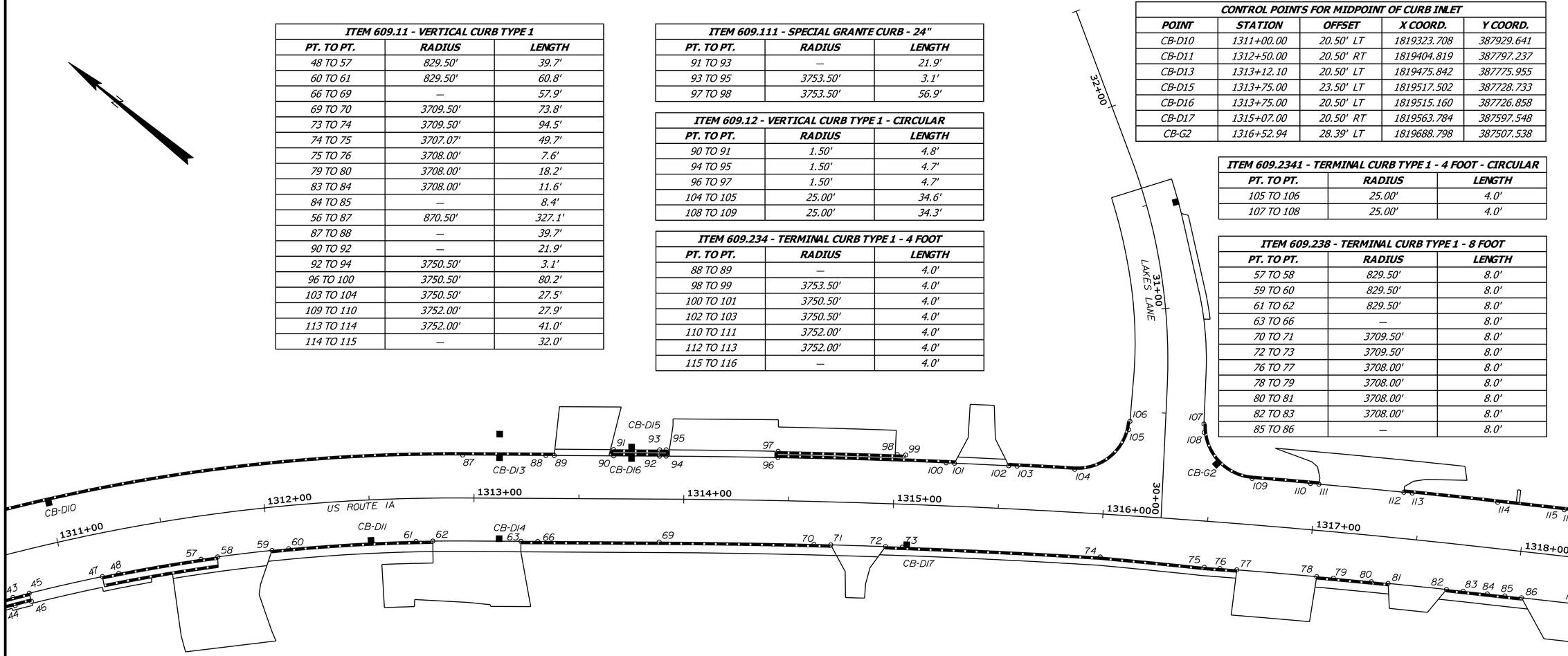
ITEM 609.12 - VERTICAL CURB TYPE 1 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
90 TO 91	1.50'	4.8'
94 TO 95	1.50'	4.7'
96 TO 97	1.50'	4.7'
104 TO 105	25.00'	34.6'
108 TO 109	25.00'	34.3'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
88 TO 89	—	4.0'
98 TO 99	3753.50'	4.0'
100 TO 101	3750.50'	4.0'
102 TO 103	3750.50'	4.0'
110 TO 111	3752.00'	4.0'
112 TO 113	3752.00'	4.0'
115 TO 116	—	4.0'

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-D10	1311+00.00	20.50' LT	1819323.708	387929.641
CB-D11	1312+50.00	20.50' RT	1819404.819	387797.237
CB-D13	1313+12.10	20.50' LT	1819475.842	387775.955
CB-D15	1313+75.00	23.50' LT	1819517.502	387728.733
CB-D16	1313+75.00	20.50' LT	1819515.160	387726.858
CB-D17	1315+07.00	20.50' RT	1819563.784	387597.548
CB-G2	1316+52.94	28.39' LT	1819688.798	387507.538

ITEM 609.2341 - TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
105 TO 106	25.00'	4.0'
107 TO 108	25.00'	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
57 TO 58	829.50'	8.0'
59 TO 60	829.50'	8.0'
61 TO 62	829.50'	8.0'
63 TO 66	—	8.0'
70 TO 71	3709.50'	8.0'
72 TO 73	3709.50'	8.0'
76 TO 77	3708.00'	8.0'
78 TO 79	3708.00'	8.0'
80 TO 81	3708.00'	8.0'
82 TO 83	3708.00'	8.0'
85 TO 86	—	8.0'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
57	1311+66.48	20.50' RT	1819347.712	387855.348
58	1311+74.68	20.50' RT	1819353.567	387849.896
59	1312+01.41	20.50' RT	1819372.288	387831.730
60	1312+09.61	20.50' RT	1819377.913	387826.042
61	1312+71.95	20.50' RT	1819418.854	387781.061
62	1312+80.14	20.50' RT	1819423.989	387774.927
63	1313+22.49	20.50' RT	1819450.332	387742.219
64	—	—	—	—
65	—	—	—	—
66	1313+30.49	20.50' RT	1819455.333	387735.975
67	—	—	—	—
68	—	—	—	—
69	1313+88.38	20.50' RT	1819491.522	387690.785
70	1314+62.59	20.50' RT	1819537.080	387632.721
71	1314+70.64	20.50' RT	1819541.949	387626.373
72	1314+96.91	20.50' RT	1819557.753	387605.568
73	1315+04.95	20.50' RT	1819562.563	387599.176
74	1316+00.00	20.50' RT	1819618.345	387522.869
75	1316+50.00	22.00' RT	1819645.670	387481.311
76	1316+57.63	22.00' RT	1819649.979	387475.068

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
77	1316+65.68	22.00' RT	1819654.509	387468.474
78	1317+04.14	22.00' RT	1819675.964	387436.826
79	1317+12.19	22.00' RT	1819680.411	387430.176
80	1317+30.49	22.00' RT	1819690.471	387415.019
81	1317+38.53	22.00' RT	1819694.872	387408.338
82	1317+66.69	22.00' RT	1819710.153	387384.891
83	1317+74.74	22.00' RT	1819714.488	387378.168
84	1317+86.39	22.00' RT	1819720.741	387368.415
85	1317+94.80	22.00' RT	1819725.271	387361.324
86	1318+02.80	22.00' RT	1819729.578	387354.583
87	1312+94.47	20.50' LT	1819464.823	387789.715
88	1313+34.15	20.50' LT	1819489.623	387758.747
89	1313+38.15	20.50' LT	1819492.124	387755.625
90	1313+66.43	20.50' LT	1819509.806	387733.545
91	1313+66.43	23.50' LT	1819512.147	387735.420
92	1313+88.38	20.50' LT	1819523.525	387716.413
93	1313+88.38	23.50' LT	1819525.866	387718.289
94	1313+91.50	20.50' LT	1819525.471	387713.981
95	1313+91.48	23.50' LT	1819527.814	387715.854
96	1314+44.50	20.50' LT	1819558.464	387672.105

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
97	1314+44.50	23.50' LT	1819560.833	387673.945
98	1315+00.99	23.50' LT	1819595.356	387628.778
99	1315+04.97	23.50' LT	1819597.759	387625.581
100	1315+24.24	20.50' LT	1819606.955	387608.252
101	1315+28.22	20.50' LT	1819609.339	387605.039
102	1315+53.98	20.50' LT	1819624.689	387584.174
103	1315+57.96	20.50' LT	1819627.047	387580.943
104	1315+85.27	20.50' LT	1819643.140	387558.690
105	30+41.32	17.44' LT	1819674.021	387550.610
106	30+45.29	16.98' LT	1819677.499	387552.586
107	30+45.67	18.30' RT	1819698.687	387524.382
108	30+41.68	18.64' RT	1819695.677	387521.748
109	1316+69.47	22.00' LT	1819692.959	387490.200
110	1316+97.25	22.00' LT	1819708.649	387467.076
111	1317+01.23	22.00' LT	1819710.880	387463.756
112	1317+41.70	22.00' LT	1819733.388	387429.843
113	1317+45.67	22.00' LT	1819735.580	387426.497
114	1317+86.39	22.00' LT	1819757.820	387392.104
115	1318+18.35	22.00' LT	1819775.029	387365.168
116	1318+22.35	22.00' LT	1819777.183	387361.797

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER

49

OF 187

STA. 1311+00.00 TO STA. 1318+00.00

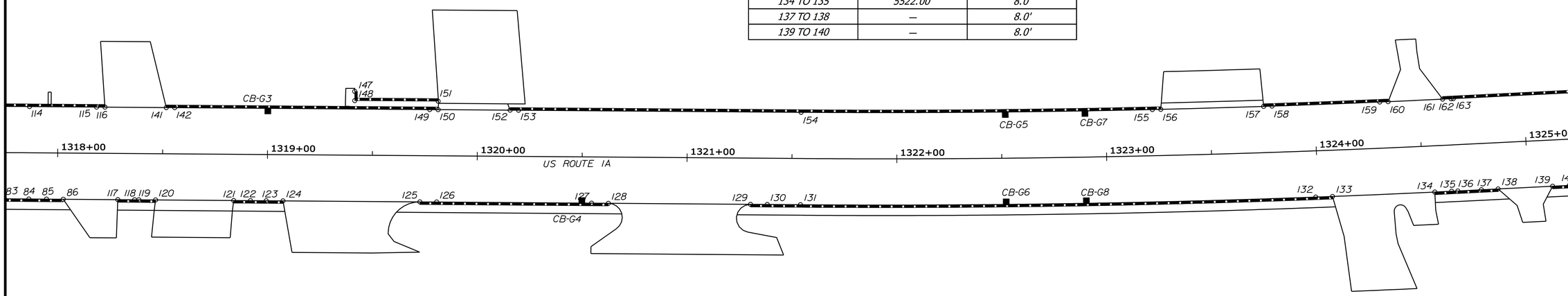
Filename: ...\msta\049_GeomPlan_04.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
118 TO 119	—	2.0'
122 TO 123	—	7.5'
126 TO 127	—	73.9'
130 TO 131	—	15.8'
131 TO 132	5522.00'	245.7'
135 TO 136	5522.00'	3.0'
136 TO 137	—	11.2'
142 TO 149	—	121.6'
147 TO 148	—	4.3'
148 TO 151	—	39.8'
153 TO 154	—	134.7'
154 TO 155	5478.00'	167.4'
158 TO 159	5478.00'	51.4'
162 TO 163	5478.00'	1.1'
163 TO 184	—	105.4'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
141 TO 142	—	4.0'
149 TO 150	—	4.0'
152 TO 153	—	4.0'
155 TO 156	5478.00'	4.0'
157 TO 158	5478.00'	4.0'
159 TO 160	5478.00'	4.0'
161 TO 162	5478.00'	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
117 TO 118	—	8.0'
119 TO 120	—	8.0'
121 TO 122	—	8.0'
123 TO 124	—	8.0'
125 TO 126	—	8.0'
127 TO 128	—	8.0'
129 TO 130	—	8.0'
132 TO 133	5522.00'	8.0'
134 TO 135	5522.00'	8.0'
137 TO 138	—	8.0'
139 TO 140	—	8.0'

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-G3	1319+00.00	22.00' LT	1819818.987	387296.365
CB-G4	1320+50.00	22.00' RT	1819862.669	387146.272
CB-G5	1322+51.90	22.00' LT	1820008.964	387000.621
CB-G6	1322+51.90	22.00' RT	1819972.313	386976.277
CB-G7	1322+90.00	22.00' LT	1820030.069	386969.084
CB-G8	1322+90.00	22.00' RT	1819993.587	386944.486



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
117	1318+28.80	22.00' RT	1819743.577	387332.673
118	1318+36.80	22.00' RT	1819747.884	387325.931
119	1318+38.80	22.00' RT	1819748.961	387324.245
120	1318+46.80	22.00' RT	1819753.269	387317.503
121	1318+84.05	22.00' RT	1819773.319	387286.120
122	1318+92.05	22.00' RT	1819777.627	387279.378
123	1318+99.55	22.00' RT	1819781.668	387273.052
124	1319+07.55	22.00' RT	1819785.976	387266.311
125	1319+72.78	22.00' RT	1819821.095	387211.342
126	1319+80.78	22.00' RT	1819825.402	387204.601
127	1320+54.65	22.00' RT	1819865.172	387142.354
128	1320+62.65	22.00' RT	1819869.479	387135.613
129	1321+30.39	22.00' RT	1819905.950	387078.528
130	1321+38.39	22.00' RT	1819910.257	387071.787
131	1321+54.21	22.00' RT	1819918.775	387058.455
132	1323+98.90	22.00' RT	1820055.602	386854.444

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
133	1324+06.87	22.00' RT	1820060.209	386847.904
134	1324+55.49	22.00' RT	1820088.528	386808.144
135	1324+63.45	22.00' RT	1820093.203	386801.651
136	1324+66.43	22.00' RT	1820094.948	386799.232
137	1324+77.64	22.00' RT	1820101.514	386790.138
138	1324+85.64	22.00' RT	1820106.197	386783.652
139	1325+11.64	22.00' RT	1820121.415	386762.571
140	1325+19.64	22.00' RT	1820126.098	386756.085
141	1318+51.59	22.00' LT	1819792.924	387337.159
142	1318+55.59	22.00' LT	1819795.077	387333.789
143	-	-	-	-
144	-	-	-	-
145	-	-	-	-
146	-	-	-	-
147	1319+41.35	30.34' LT	1819848.279	387266.016
148	1319+41.39	26.00' LT	1819844.642	387263.640

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
149	1319+77.15	22.00' LT	1819860.526	387231.350
150	1319+81.15	22.00' LT	1819862.679	387227.979
151	1319+81.15	26.00' LT	1819866.050	387230.133
152	1320+15.49	22.00' LT	1819881.167	387199.043
153	1320+19.49	22.00' LT	1819883.321	387195.672
154	1321+54.21	22.00' LT	1819955.854	387082.144
155	1323+22.31	22.00' LT	1820048.136	386942.458
156	1323+26.32	22.00' LT	1820050.392	386939.155
157	1323+75.58	22.00' LT	1820078.268	386898.783
158	1323+79.60	22.00' LT	1820080.557	386895.503
159	1324+31.16	22.00' LT	1820110.157	386853.528
160	1324+35.18	22.00' LT	1820112.479	386850.270
161	1324+61.34	22.00' LT	1820127.659	386829.097
162	1324+65.35	22.00' LT	1820129.998	386825.853
163	1324+66.43	22.00' LT	1820130.623	386824.987

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER

50

OF 187

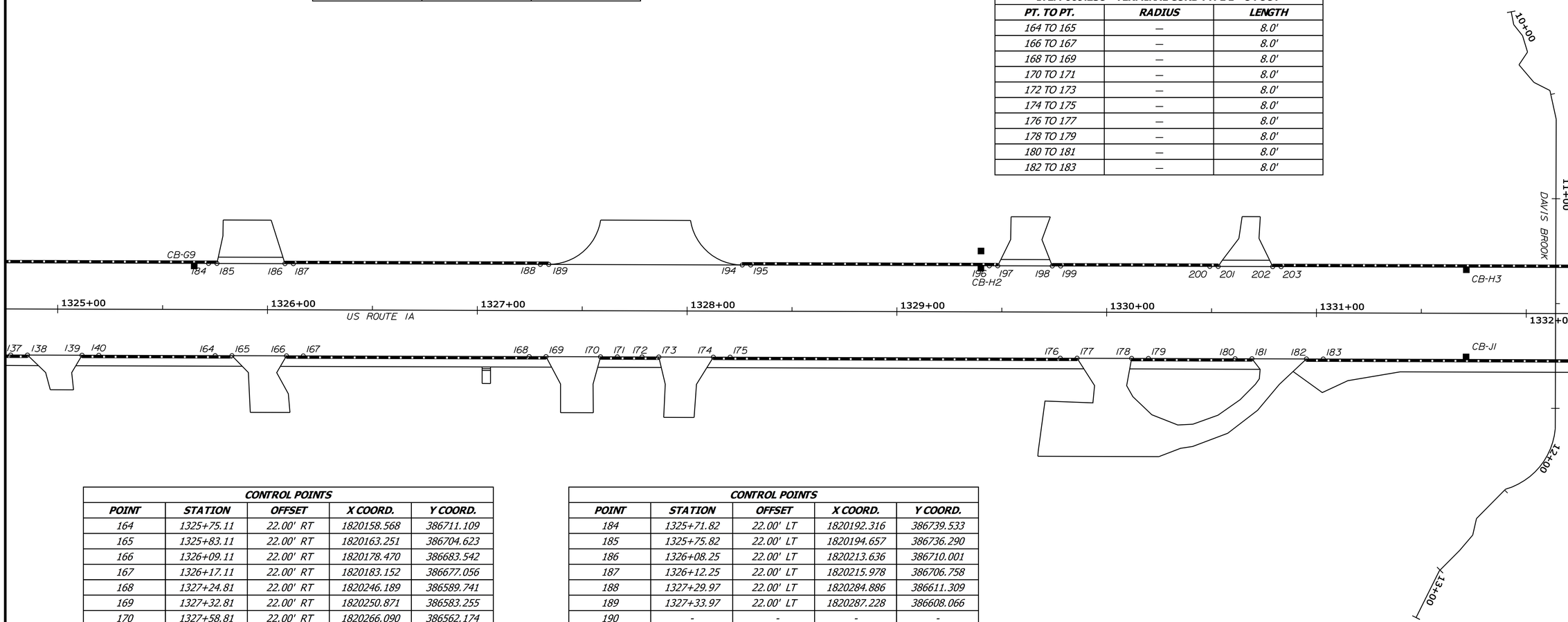
STA. 1318+00.00 TO STA. 1325+00.00

Filename: ...\msta\050_GeomPlan_05.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
140 TO 164	—	55.5'
167 TO 168	—	107.7'
171 TO 172	—	11.8'
175 TO 176	—	157.4'
179 TO 180	—	41.4'
183 TO 204	—	374.0'
163 TO 184	—	105.4'
187 TO 188	—	117.7'
195 TO 196	—	113.8'
199 TO 200	—	71.1'
203 TO 218	—	327.9'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
184 TO 185	—	4.0'
186 TO 187	—	4.0'
188 TO 189	—	4.0'
194 TO 195	—	4.0'
196 TO 197	—	4.0'
198 TO 199	—	4.0'
200 TO 201	—	4.0'
202 TO 203	—	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
164 TO 165	—	8.0'
166 TO 167	—	8.0'
168 TO 169	—	8.0'
170 TO 171	—	8.0'
172 TO 173	—	8.0'
174 TO 175	—	8.0'
176 TO 177	—	8.0'
178 TO 179	—	8.0'
180 TO 181	—	8.0'
182 TO 183	—	8.0'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
164	1325+75.11	22.00' RT	1820158.568	386711.109
165	1325+83.11	22.00' RT	1820163.251	386704.623
166	1326+09.11	22.00' RT	1820178.470	386683.542
167	1326+17.11	22.00' RT	1820183.152	386677.056
168	1327+24.81	22.00' RT	1820246.189	386589.741
169	1327+32.81	22.00' RT	1820250.871	386583.255
170	1327+58.81	22.00' RT	1820266.090	386562.174
171	1327+66.81	22.00' RT	1820270.773	386555.688
172	1327+78.57	22.00' RT	1820277.660	386546.149
173	1327+86.57	22.00' RT	1820282.343	386539.662
174	1328+12.57	22.00' RT	1820297.561	386518.582
175	1328+20.57	22.00' RT	1820302.244	386512.095
176	1329+77.95	22.00' RT	1820394.365	386384.494
177	1329+85.95	22.00' RT	1820399.048	386378.007
178	1330+11.95	22.00' RT	1820414.267	386356.927
179	1330+19.95	22.00' RT	1820418.950	386350.441
180	1330+61.31	22.00' RT	1820443.156	386316.911
181	1330+69.31	22.00' RT	1820447.839	386310.424
182	1330+95.31	22.00' RT	1820463.058	386289.344
183	1331+03.31	22.00' RT	1820467.740	386282.858

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
184	1325+71.82	22.00' LT	1820192.316	386739.533
185	1325+75.82	22.00' LT	1820194.657	386736.290
186	1326+08.25	22.00' LT	1820213.636	386710.001
187	1326+12.25	22.00' LT	1820215.978	386706.758
188	1327+29.97	22.00' LT	1820284.886	386611.309
189	1327+33.97	22.00' LT	1820287.228	386608.066
190	-	-	-	-
191	-	-	-	-
192	-	-	-	-
193	-	-	-	-
194	1328+26.23	22.00' LT	1820341.228	386533.266
195	1328+30.23	22.00' LT	1820343.570	386530.023
196	1329+44.00	22.00' LT	1820410.167	386437.776
197	1329+48.00	22.00' LT	1820412.508	386434.533
198	1329+74.00	22.00' LT	1820427.727	386413.452
199	1329+78.00	22.00' LT	1820430.068	386410.209
200	1330+49.08	22.00' LT	1820471.672	386352.582
201	1330+53.08	22.00' LT	1820474.013	386349.339
202	1330+79.08	22.00' LT	1820489.232	386328.258
203	1330+83.08	22.00' LT	1820491.574	386325.015

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-G9	1325+65.00	22.00' LT	1820188.323	386745.064
CB-H2	1329+40.00	22.00' LT	1820407.825	386441.019
CB-H3	1331+76.40	22.00' LT	1820546.200	386249.349
CB-J1	1331+76.40	22.00' RT	1820510.525	386223.594

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	J.M.H. 03-2016
DESIGN2-DETAILED2	---	A.G. ---
DESIGN3-DETAILED3	---	--- ---
REVISIONS 1	---	--- ---
REVISIONS 2	---	--- ---
REVISIONS 3	---	--- ---
REVISIONS 4	---	--- ---
FIELD CHANGES	---	--- ---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
51
OF 187

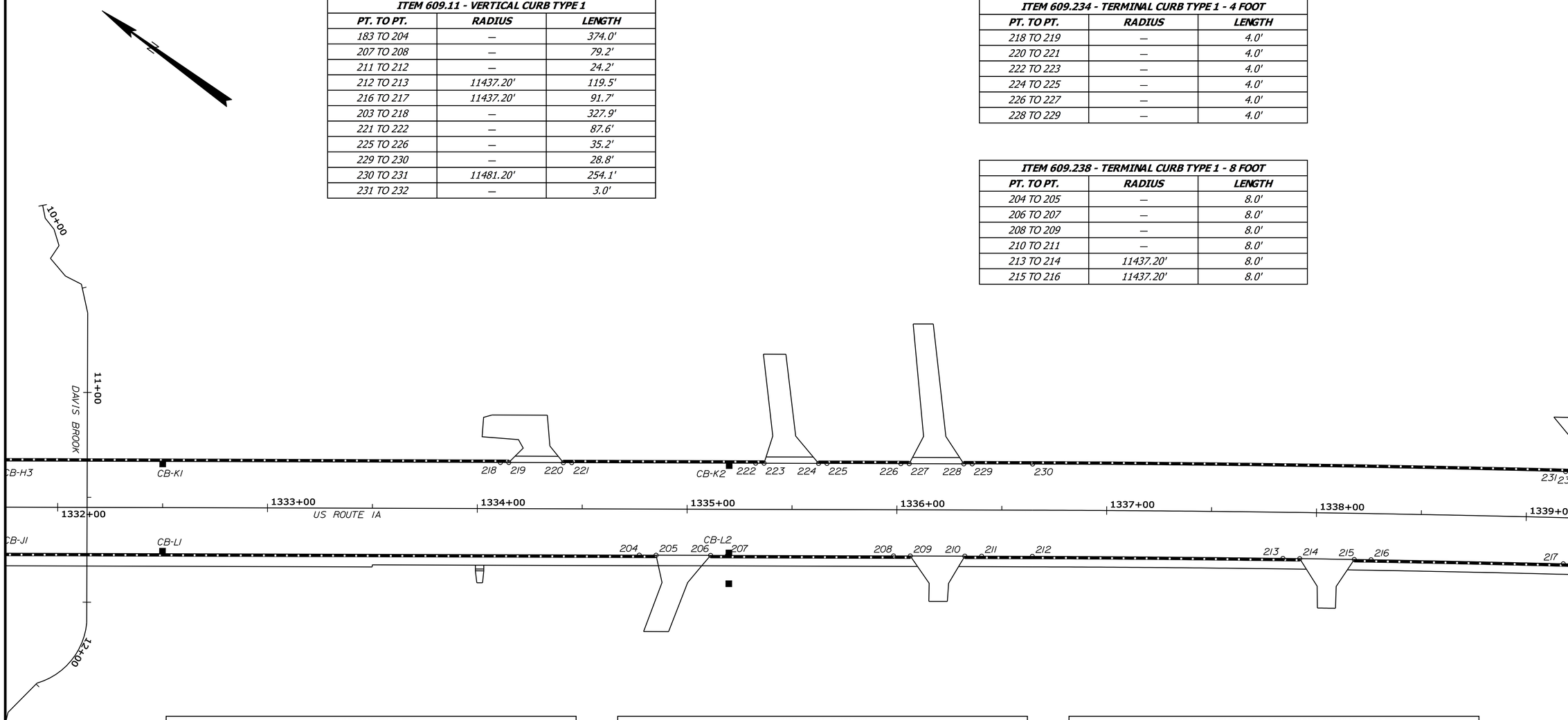
STA. 1325+00.00 TO STA. 1332+00.00

Filename: ...\msta\051_GeomPlan_06.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
183 TO 204	—	374.0'
207 TO 208	—	79.2'
211 TO 212	—	24.2'
212 TO 213	11437.20'	119.5'
216 TO 217	11437.20'	91.7'
203 TO 218	—	327.9'
221 TO 222	—	87.6'
225 TO 226	—	35.2'
229 TO 230	—	28.8'
230 TO 231	11481.20'	254.1'
231 TO 232	—	3.0'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
218 TO 219	—	4.0'
220 TO 221	—	4.0'
222 TO 223	—	4.0'
224 TO 225	—	4.0'
226 TO 227	—	4.0'
228 TO 229	—	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
204 TO 205	—	8.0'
206 TO 207	—	8.0'
208 TO 209	—	8.0'
210 TO 211	—	8.0'
213 TO 214	11437.20'	8.0'
215 TO 216	11437.20'	8.0'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
204	1334+77.27	22.00' RT	1820686.636	385979.653
205	1334+85.27	22.00' RT	1820691.319	385973.167
206	1335+11.27	22.00' RT	1820706.538	385952.087
207	1335+19.27	22.00' RT	1820711.221	385945.600
208	1335+98.45	22.00' RT	1820757.569	385881.400
209	1336+06.45	22.00' RT	1820762.252	385874.914
210	1336+32.45	22.00' RT	1820777.471	385853.833
211	1336+40.45	22.00' RT	1820782.154	385847.347
212	1336+64.62	22.00' RT	1820796.298	385827.754
213	1337+84.33	22.00' RT	1820865.730	385730.514
214	1337+92.35	22.00' RT	1820870.343	385723.978
215	1338+18.39	22.00' RT	1820885.295	385702.721
216	1338+26.40	22.00' RT	1820889.888	385696.171
217	1339+18.24	22.00' RT	1820942.186	385620.892

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
218	1334+10.95	22.00' LT	1820683.493	386059.178
219	1334+14.95	22.00' LT	1820685.834	386055.935
220	1334+40.95	22.00' LT	1820701.053	386034.854
221	1334+44.95	22.00' LT	1820703.394	386031.611
222	1335+32.60	22.00' LT	1820754.699	385960.546
223	1335+36.60	22.00' LT	1820757.040	385957.303
224	1335+62.60	22.00' LT	1820772.259	385936.222
225	1335+66.60	22.00' LT	1820774.601	385932.979
226	1336+01.82	22.00' LT	1820795.218	385904.420
227	1336+05.82	22.00' LT	1820797.560	385901.177
228	1336+31.85	22.00' LT	1820812.791	385880.079
229	1336+35.85	22.00' LT	1820815.133	385876.836
230	1336+64.62	22.00' LT	1820831.973	385853.509
231	1339+18.24	22.00' LT	1820978.422	385645.851
232	1339+21.22	22.00' LT	1820980.112	385643.398

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-K1	1332+50.00	22.00' LT	1820589.281	386189.675
CB-L1	1332+50.00	22.00' RT	1820553.606	386163.920
CB-K2	1335+20.00	22.00' LT	1820747.323	385970.763
CB-L2	1335+20.00	22.00' RT	1820711.648	385945.008

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
52
OF 187

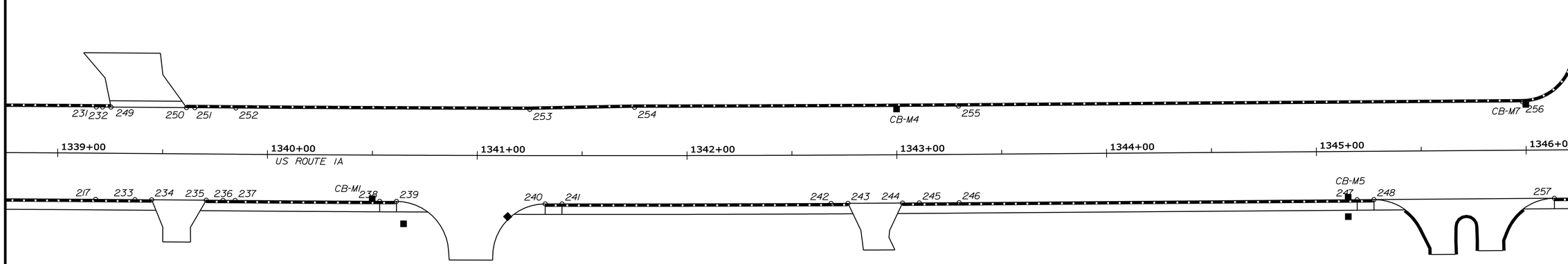
STA. 1332+00.00 TO STA. 1339+00.00

Filename: ...\msta\052_GeomPlan_07.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
217 TO 233	–	18.7'
236 TO 237	–	5.8'
237 TO 238	22940.00'	68.9'
241 TO 242	22941.00'	128.3'
245 TO 246	22941.00'	19.0'
246 TO 247	–	189.7'
251 TO 252	–	19.5'
252 TO 253	22896.00'	140.1'
253 TO 254	–	50.0'
254 TO 255	22895.00'	154.4'
255 TO 256	–	268.9'

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
232 TO 249	–	4.0'
250 TO 251	–	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
233 TO 234	–	8.0'
235 TO 236	–	8.0'
238 TO 239	22940.00'	8.0'
240 TO 241	22941.00'	8.0'
242 TO 243	22941.00'	8.0'
244 TO 245	22941.00'	8.0'
247 TO 248	–	8.0'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
233	1339+36.95	22.00' RT	1820952.800	385605.482
234	1339+44.95	22.00' RT	1820957.339	385598.894
235	1339+70.95	22.00' RT	1820972.087	385577.481
236	1339+78.95	22.00' RT	1820976.625	385570.893
237	1339+84.75	22.00' RT	1820979.917	385566.114
238	1340+53.58	22.00' RT	1821019.083	385509.435
239	1340+61.58	22.00' RT	1821023.642	385502.861
240	1341+32.41	23.00' RT	1821063.329	385444.093
241	1341+40.40	23.00' RT	1821067.910	385437.535
242	1342+68.60	23.00' RT	1821141.715	385332.554
243	1342+76.60	23.00' RT	1821146.335	385326.023
244	1343+02.57	23.00' RT	1821161.367	385304.809

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
245	1343+10.56	23.00' RT	1821165.997	385298.285
246	1343+29.54	23.00' RT	1821177.000	385282.801
247	1345+19.27	23.00' RT	1821286.963	385128.188
248	1345+27.27	23.00' RT	1821291.600	385121.668
249	1339+25.22	22.00' LT	1820982.381	385640.104
250	1339+61.22	22.00' LT	1821002.802	385610.456
251	1339+65.22	22.00' LT	1821005.071	385607.162
252	1339+84.75	22.00' LT	1821016.153	385591.073
253	1341+25.00	22.00' LT	1821095.984	385475.930
254	1341+75.00	23.00' LT	1821125.434	385435.572
255	1343+29.54	23.00' LT	1821214.487	385309.461
256	1345+98.41	23.00' LT	1821370.319	385090.354

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-M1	1340+50.00	22.00' RT	1821017.040	385512.383
CB-M4	1343+00.00	23.00' LT	1821197.400	385333.520
CB-M5	1345+15.00	23.00' RT	1821284.490	385131.665
CB-M7	1346+00.00	23.05' LT	1821371.281	385089.087

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
53
OF 187

STA. 1339+00.00 TO STA. 1346+00.00

Filename: ...\msta\053_GeomPlan_08.dgn Division: Highway Username: jhilton Date:3/22/2016

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-M8	1347+03.30	23.00' LT	1821431.111	385004.877
CB-M9	1347+00.00	23.00' RT	1821391.712	384980.906
CB-M11	1348+86.00	23.00' RT	1821499.514	384829.331
CB-M14	1349+50.00	23.00' LT	1821574.093	384803.837
CB-M15	1350+34.00	23.00' LT	1821622.778	384735.384
CB-M16	1350+90.00	30.00' RT	1821612.044	384659.031
CB-M18	61+36.10	27.70' LT	1821622.985	384626.889
CB-M24	1352+00.40	23.00' LT	1821719.220	384599.782
CB-M25	1352+00.70	24.77' RT	1821680.465	384571.851

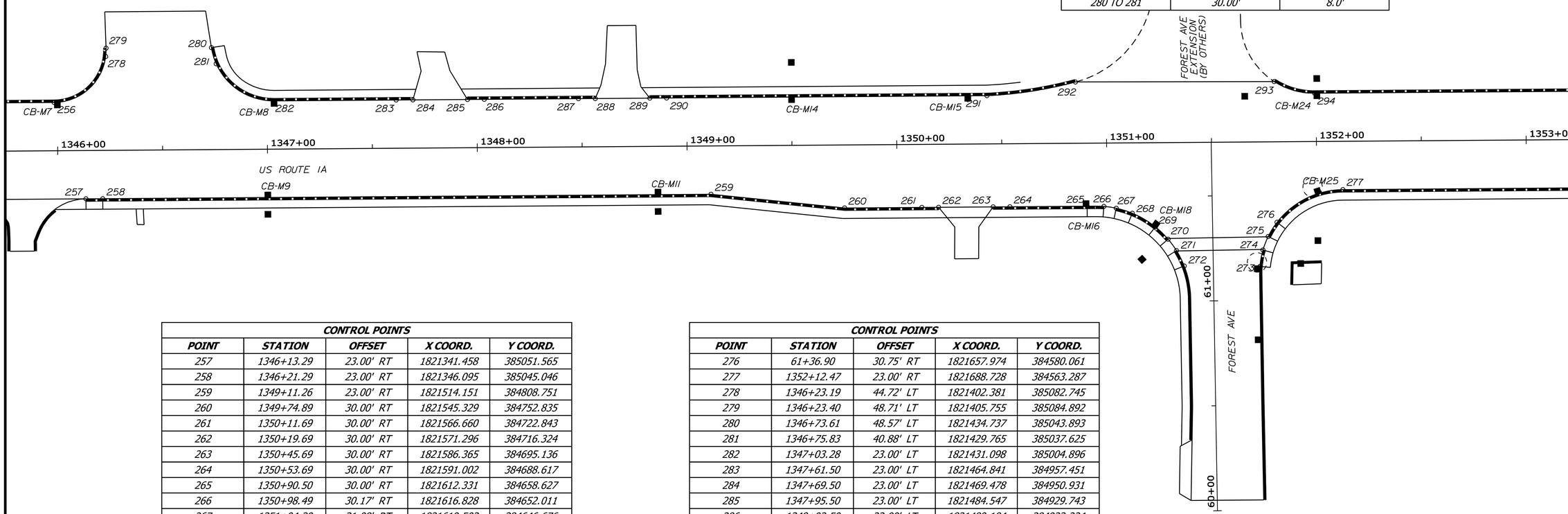
ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
258 TO 259	–	290.0'
259 TO 260	–	64.0'
260 TO 261	–	36.8'
264 TO 265	–	36.8'
277 TO 295	–	675.7'
282 TO 283	–	58.2'
286 TO 287	–	44.9'
290 TO 291	–	152.7'
291 TO 292	200.00'	42.8'
294 TO 301	–	245.3'

ITEM 609.12 - VERTICAL CURB TYPE 1 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
268 TO 269	45.00'	12.9'
276 TO 277	40.00'	36.3'
256 TO 278	25.00'	36.0'
281 TO 282	30.00'	34.7'
293 TO 294	35.00'	20.3'

ITEM 609.2341 - TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
278 TO 279	25.00'	4.0'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
257 TO 258	–	8.0'
261 TO 262	–	8.0'
263 TO 264	–	8.0'
265 TO 266	–	8.0'
283 TO 284	–	8.0'
285 TO 286	–	8.0'
287 TO 288	–	8.0'
289 TO 290	–	8.0'

ITEM 609.2381 - TERMINAL CURB TYPE 1 - 8 FOOT - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
267 TO 268	45.00'	8.0'
269 TO 270	45.00'	8.0'
271 TO 272	45.00'	8.0'
273 TO 274	40.00'	8.0'
275 TO 276	40.00'	8.0'
280 TO 281	30.00'	8.0'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
257	1346+13.29	23.00' RT	1821341.458	385051.565
258	1346+21.29	23.00' RT	1821346.095	385045.046
259	1349+11.26	23.00' RT	1821514.151	384808.751
260	1349+74.89	30.00' RT	1821545.329	384752.835
261	1350+11.69	30.00' RT	1821566.660	384722.843
262	1350+19.69	30.00' RT	1821571.296	384716.324
263	1350+45.69	30.00' RT	1821586.365	384695.136
264	1350+53.69	30.00' RT	1821591.002	384688.617
265	1350+90.50	30.00' RT	1821612.331	384658.627
266	1350+98.49	30.17' RT	1821616.828	384652.011
267	1351+04.39	31.08' RT	1821619.503	384646.676
268	1351+12.01	33.51' RT	1821621.939	384639.056
269	61+35.70	27.24' LT	1821622.932	384626.286
270	61+29.74	21.30' LT	1821621.601	384617.978
271	61+24.24	17.41' LT	1821619.432	384611.591
272	61+16.85	13.85' LT	1821615.546	384604.370
273	61+16.00	22.21' RT	1821636.046	384574.695
274	61+23.84	23.81' RT	1821643.331	384578.000
275	61+30.18	26.41' RT	1821649.986	384579.629

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
276	61+36.90	30.75' RT	1821657.974	384580.061
277	1352+12.47	23.00' RT	1821688.728	384563.287
278	1346+23.19	44.72' LT	1821402.381	385082.745
279	1346+23.40	48.71' LT	1821405.755	385084.892
280	1346+73.61	48.57' LT	1821434.737	385043.893
281	1346+75.83	40.88' LT	1821429.765	385037.625
282	1347+03.28	23.00' LT	1821431.098	385004.896
283	1347+61.50	23.00' LT	1821464.841	384957.451
284	1347+69.50	23.00' LT	1821469.478	384950.931
285	1347+95.50	23.00' LT	1821484.547	384929.743
286	1348+03.50	23.00' LT	1821489.184	384923.224
287	1348+48.42	23.00' LT	1821515.219	384886.617
288	1348+56.42	23.00' LT	1821519.856	384880.098
289	1348+82.41	23.00' LT	1821534.922	384858.914
290	1348+90.41	23.00' LT	1821539.558	384852.395
291	1350+43.12	23.00' LT	1821628.064	384727.952
292	1350+85.36	29.17' LT	1821657.575	384697.110
293	1351+80.11	28.71' LT	1821712.116	384619.623
294	1351+99.27	23.00' LT	1821718.567	384600.700

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
54
OF 187

STA. 1346+00.00 TO STA. 1353+00.00

Filename: ...\msta\054_GeomPlan_09.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
277 TO 295	–	675.7'
294 TO 301	–	245.3'
302 TO 303	–	10.9'
305 TO 306	–	10.7'
307 TO 308	–	74.3'
309 TO 310	–	6.8'
311 TO 312	–	4.3'
313 TO 314	–	46.6'
328 TO 329	–	161.0'
329 TO 331	–	50.0'

ITEM 609.1111 - SPECIAL GRANITE CURB - 39"		
PT. TO PT.	RADIUS	LENGTH
327 TO 330	–	169.0'

ITEM 609.12 - VERTICAL CURB TYPE 1 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
295 TO 296	25.00'	1.2'
299 TO 300	25.00'	11.4'
301 TO 302	15.00'	25.4'
304 TO 305	4.00'	7.0'
306 TO 307	15.00'	20.9'
308 TO 309	5.00'	7.7'
312 TO 313	5.00'	7.3'

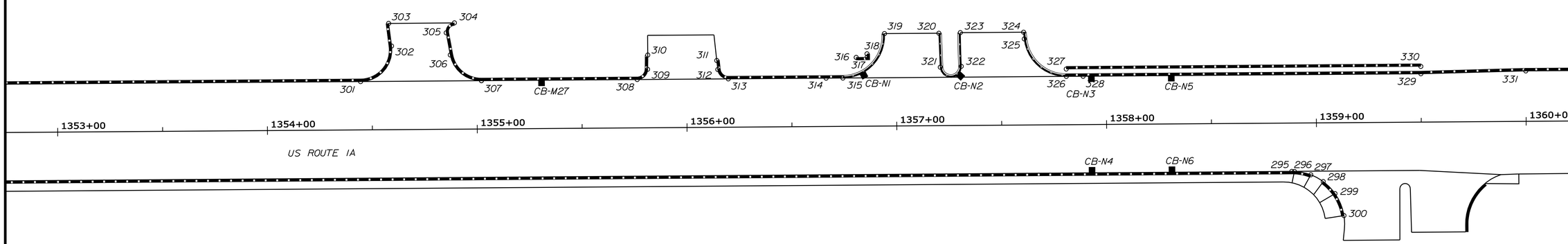
ITEM 609.19 - VERTICAL CURB TYPE 2		
PT. TO PT.	RADIUS	LENGTH
316 TO 317	–	5.2'
317 TO 318	–	1.6'

ITEM 609.2381 - TERMINAL CURB TYPE 1 - 8 FOOT - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
296 TO 297	25.00'	8.0'
298 TO 299	25.00'	8.0'

ITEM 609.26 - CURB TRANSITION SECTION B - TYPE 1		
PT. TO PT.	RADIUS	LENGTH
314 TO 315	–	8.0'
326 TO 328	–	8.0'

ITEM 609.34 - CURB TYPE 5		
PT. TO PT.	RADIUS	LENGTH
320 TO 321	–	16.2'
322 TO 323	–	16.0'
324 TO 325	–	3.2'

ITEM 609.35 - CURB TYPE 5 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
315 TO 319	20.00'	32.4'
321 TO 322	5.00'	15.7'
325 TO 326	20.00'	29.4'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
295	1358+88.12	23.00' RT	1822080.322	384012.688
296	1358+89.36	23.04' RT	1822081.013	384011.653
297	1358+97.19	24.70' RT	1822084.190	384004.311
298	1359+03.08	27.97' RT	1822084.942	383997.620
299	1359+08.64	33.72' RT	1822083.480	383989.754
300	1359+12.83	44.21' RT	1822077.361	383980.259
301	1354+44.54	23.00' LT	1821860.720	384400.826
302	1354+59.43	39.82' LT	1821883.057	384398.442
303	1354+58.11	50.60' LT	1821891.077	384405.764
304	1354+89.47	50.63' LT	1821909.278	384380.225
305	1354+85.52	45.93' LT	1821903.159	384380.724
306	1354+87.39	35.39' LT	1821895.646	384373.091
307	1355+02.16	23.00' LT	1821894.112	384353.875
308	1355+76.41	23.00' LT	1821937.148	384293.365
309	1355+81.41	27.85' LT	1821943.993	384292.101
310	1355+81.54	34.65' LT	1821949.614	384295.941
311	1356+14.41	31.78' LT	1821966.331	384267.486
312	1356+14.86	27.49' LT	1821963.087	384264.635
313	1356+19.83	23.00' LT	1821962.313	384257.982

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
314	1356+66.46	23.00' LT	1821989.336	384219.986
315	1356+74.46	23.00' LT	1821993.972	384213.467
316	1356+80.87	32.77' LT	1822005.656	384213.900
317	1356+86.08	32.82' LT	1822008.711	384209.691
318	1356+86.06	34.46' LT	1822010.035	384210.650
319	1356+94.43	44.00' LT	1822022.662	384209.360
320	1357+20.38	44.00' LT	1822037.701	384188.215
321	1357+20.94	27.83' LT	1822024.853	384178.386
322	1357+30.94	28.16' LT	1822030.913	384170.432
323	1357+30.60	44.20' LT	1822043.789	384180.001
324	1357+60.75	44.20' LT	1822061.263	384155.431
325	1357+61.07	40.99' LT	1822058.837	384153.309
326	1357+80.97	23.00' LT	1822055.707	384126.665
327	1357+80.97	26.50' LT	1822058.559	384128.693
328	1357+88.97	23.00' LT	1822060.344	384120.145
329	1359+50.00	23.00' LT	1822153.672	383988.922
330	1359+50.00	26.50' LT	1822156.524	383990.950
331	1360+00.00	24.00' LT	1822183.466	383948.756

CONTROL POINTS FOR MIDPOINT OF CURB INLET				
POINT	STATION	OFFSET	X COORD.	Y COORD.
CB-M27	1355+30.80	23.00' LT	1821910.713	384330.534
CB-N3	1357+92.90	23.00' LT	1822062.620	384116.945
CB-N4	1357+92.90	23.00' RT	1822025.134	384090.284
CB-N5	1358+31.00	23.00' LT	1822084.702	384085.896
CB-N6	1358+31.00	23.00' RT	1822047.216	384059.236

STA. 1353+00.00 TO STA. 1360+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

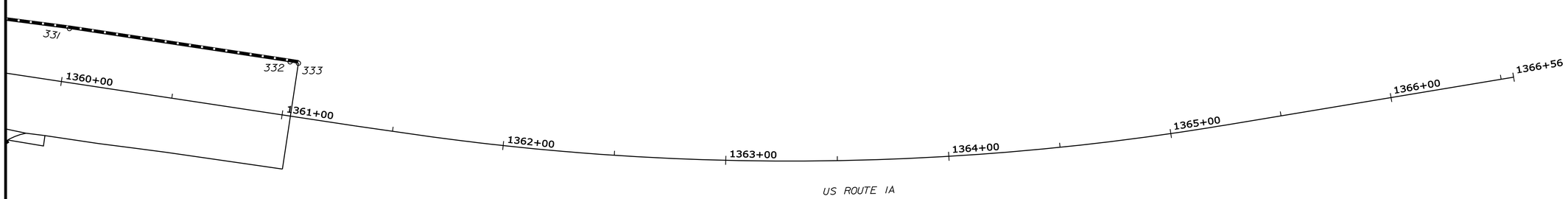
ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER
55
OF 187

Filename: ...\msta\055_GeomPlan_10.dgn Division: Highway Username: jhilton Date:3/22/2016

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
331 TO 332	–	100.0'
332 TO 333	–	3.8'



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
332	1361+00.00	24.00' LT	1822241.424	383867.263
333	1361+03.76	23.95' LT	1822243.564	383864.168

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

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P.E. NUMBER

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ELLSWORTH
US ROUTE 1A (NHS)

GEOMETRIC CURB LAYOUT

SHEET NUMBER

56

OF 187

STA. 1360+00.00 TO STA. 1366+55.66

Filename: ...\msta\056_GeomPlan_11.dgn Division: Highway Username: jhilton Date:3/22/2016

CONTROL POINTS			
POINT	STATION	OFFSET	ELEVATION
1	202+55.40	24.00' LT	124.0
2	202+03.90	53.40' LT	123.0
3	202+46.80	105.20' LT	122.0
4	203+18.00	50.90' LT	123.6
5	202+96.50	31.30' LT	124.4
6	81+21.50	16.00' RT	125.2
7	81+36.40	27.30' RT	125.0
8	81+47.20	71.00' RT	124.0
9	80+87.90	85.70' RT	123.0
10	80+75.00	33.20' RT	124.3
11	80+95.50	16.00' RT	125.0
12	83+14.00	61.30' RT	-
13	83+57.00	39.00' RT	-
14	83+57.00	17.90' RT	-
15	83+60.70	15.80' RT	-
16	83+68.70	24.60' RT	-
17	83+74.80	37.80' RT	-
18	83+93.00	29.30' RT	-
19	83+90.00	23.10' RT	-
20	83+88.60	10.40' RT	-

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

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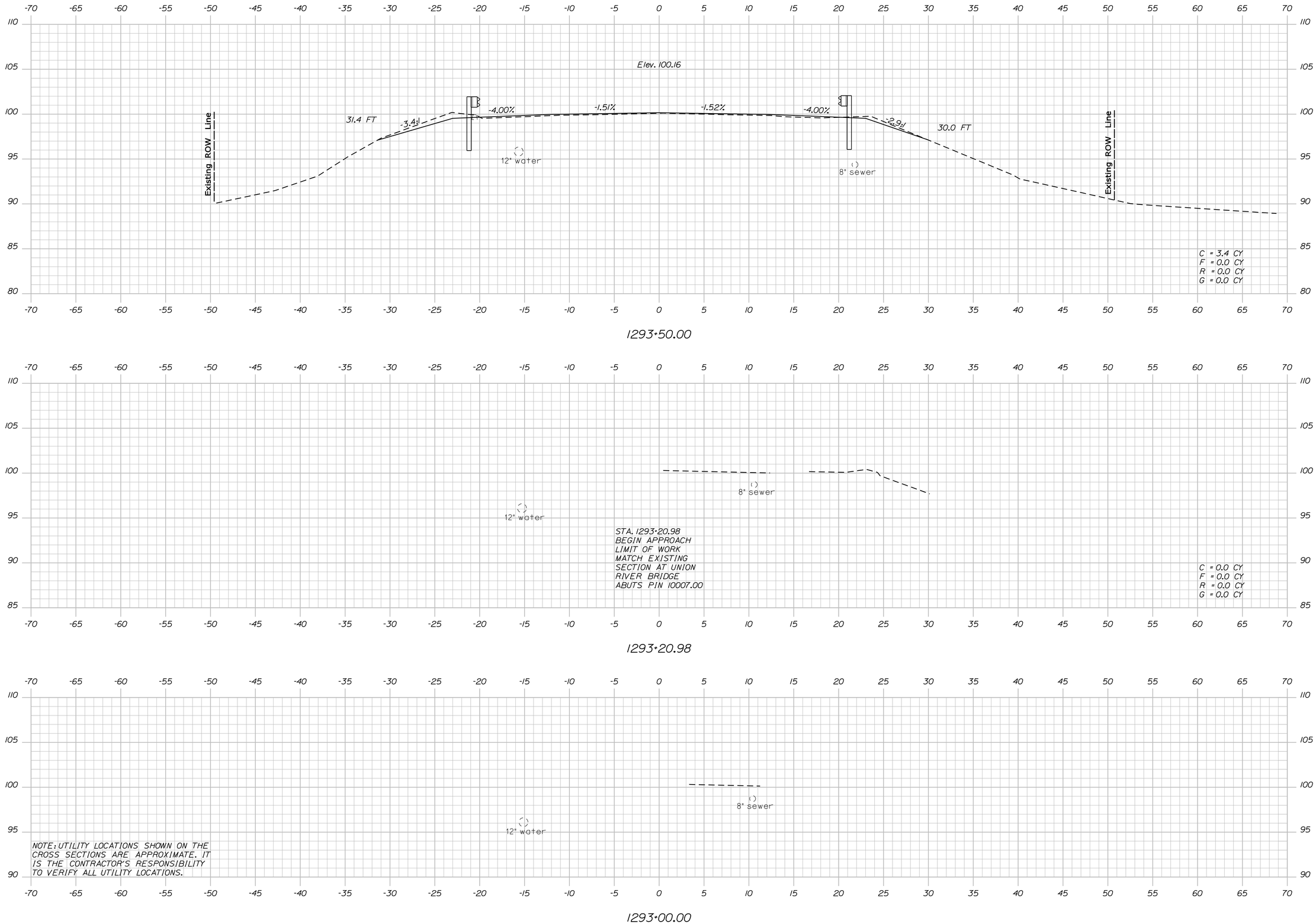
DATE

ELLSWORTH
US ROUTE 1A (NHS)

PARKING LOT LAYOUT PLAN

SHEET NUMBER
57
OF 187

Filename: ...\highway\msta\057_GDPlan_01.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

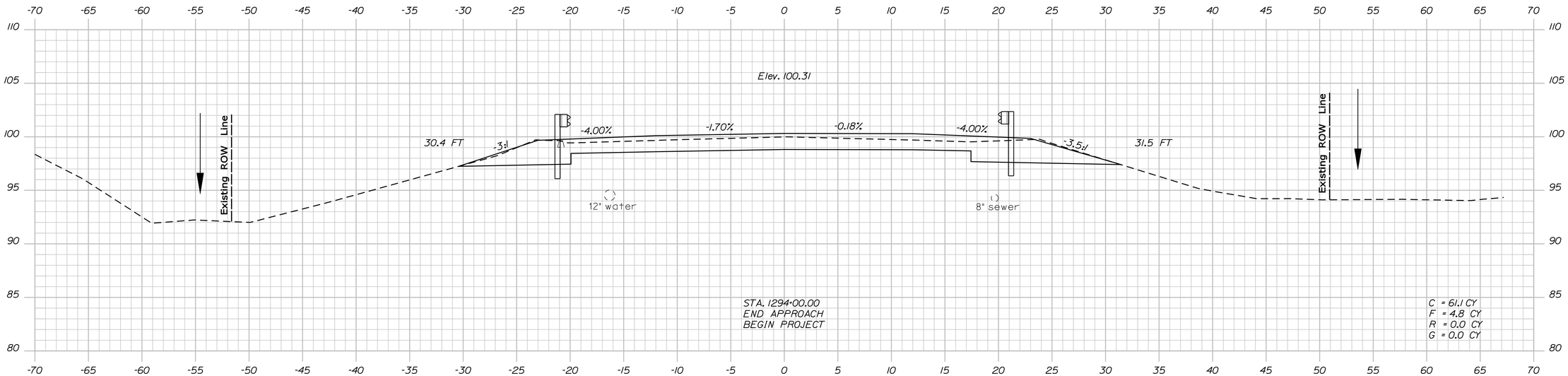
SHEET NUMBER

58

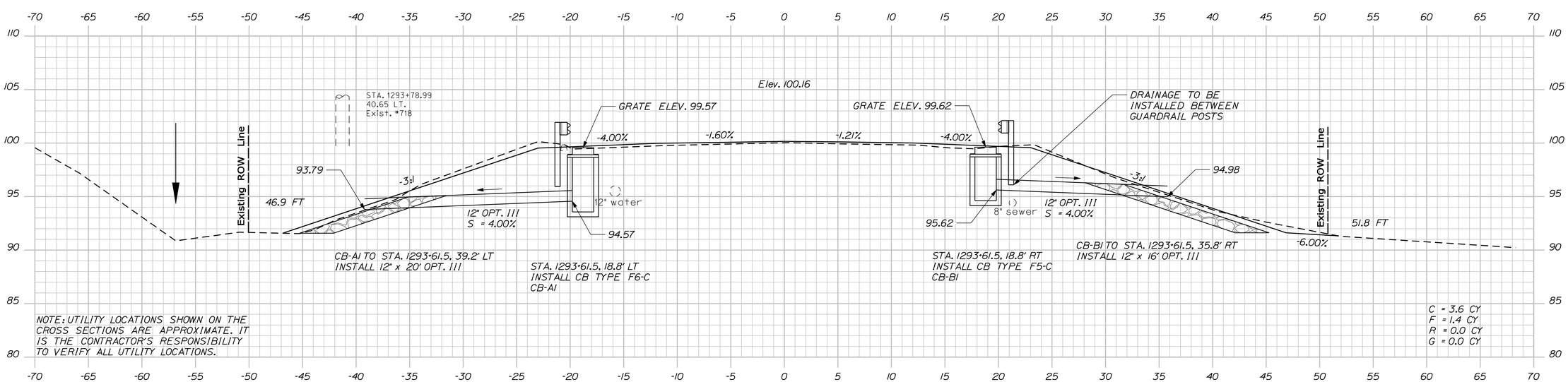
OF 187

Filename: ...\MSTA\058_XSECT_1293+00_001.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1293+00.00 to Sta. 1293+50.00



1294+00.00



1293+61.50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

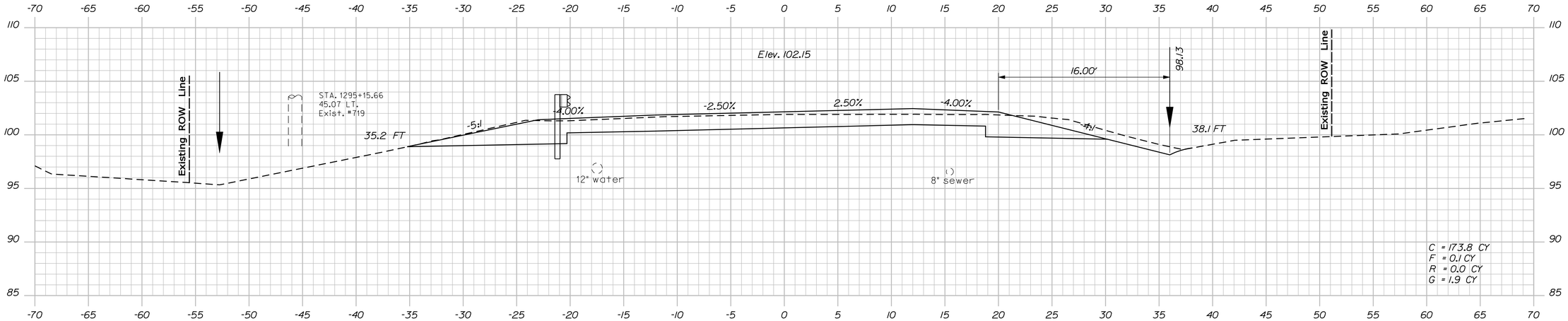
SHEET NUMBER

59

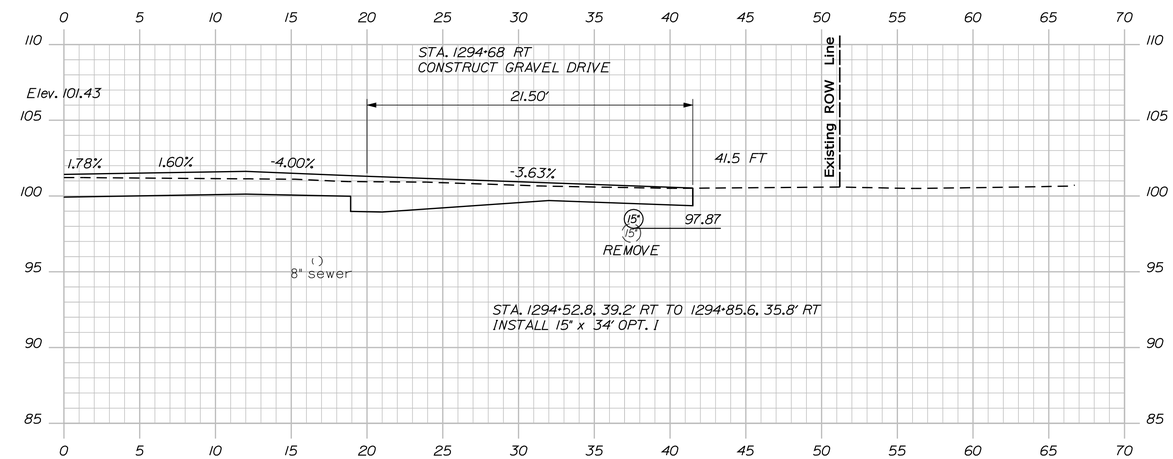
OF 187

Filename: ...\MSTA\059_XSECT_1293+61_002.dgn Division: Highway Username: jhilton Date:3/22/2016

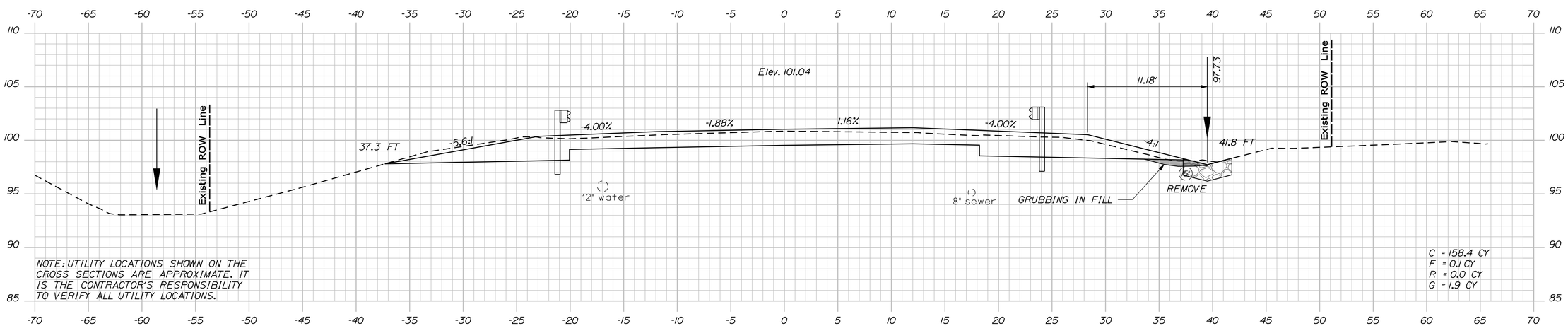
Sta. 1293+61.50 to Sta. 1294+00.00



1295+00.00



1294+68.00



1294+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON			
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B.	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

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P.E. NUMBER

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ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

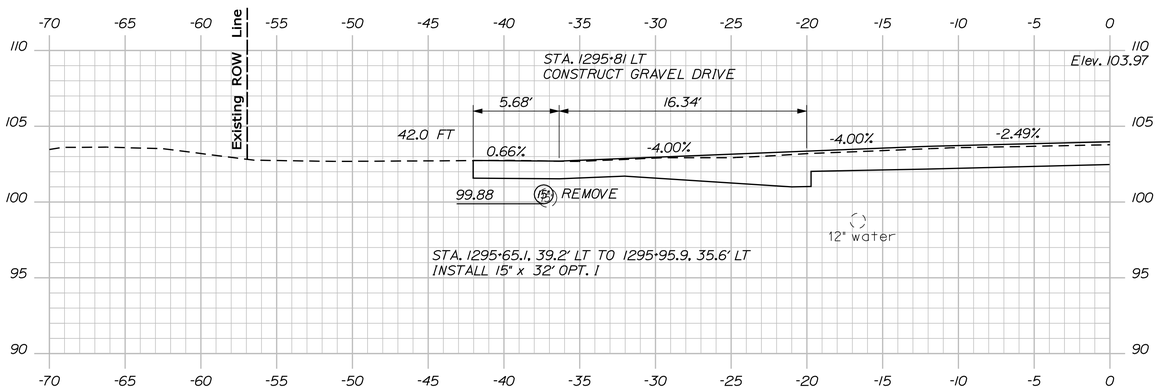
SHEET NUMBER

60

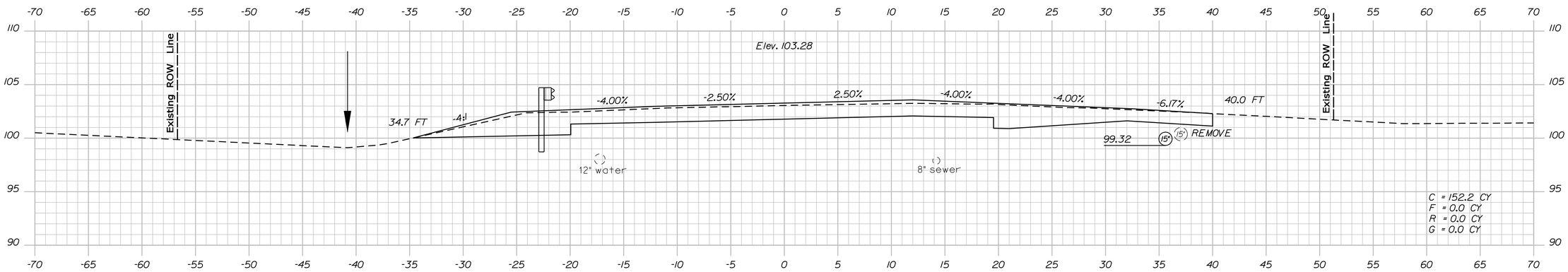
OF 187

Sta. 1294+50.00 to Sta. 1295+00.00

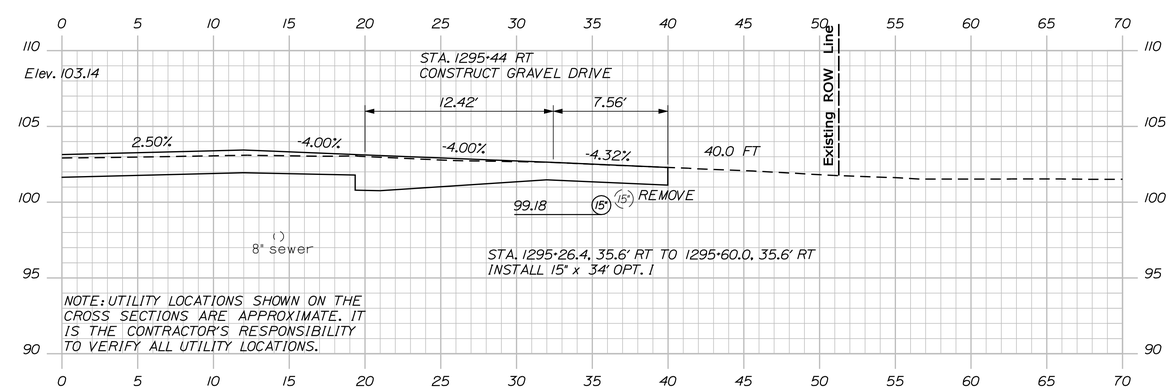
Filename: ...\MSTA\060_XSECT_1294+50_003.dgn Division: Highway Username: jhilton Date:3/22/2016



1295+81.00



1295+50.00



1295+44.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

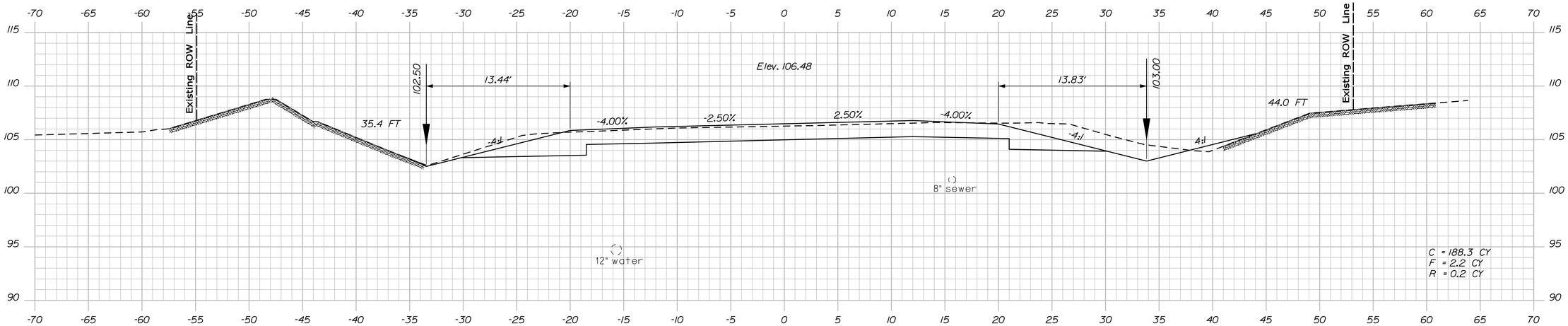
SHEET NUMBER

61

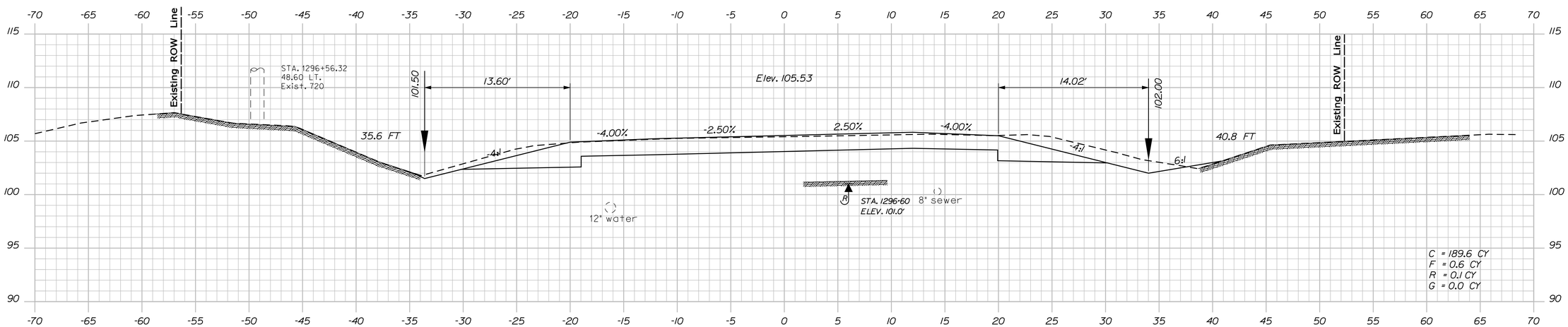
OF 187

Filename: ...\MSTA\061_XSECT_1295+44_004.dgn Division: Highway Username: jhilton Date:3/22/2016

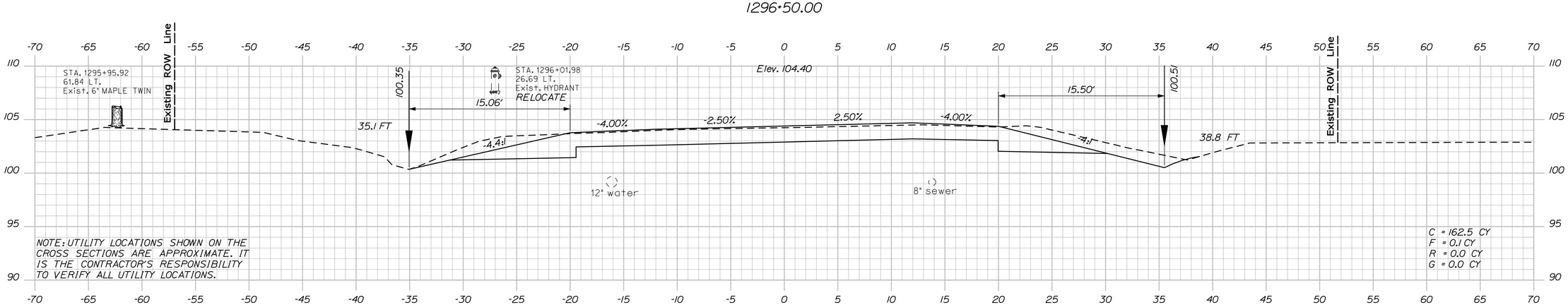
Sta. 1295+44.00 to Sta. 1295+81.00



1297+00.00



1296+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1296+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

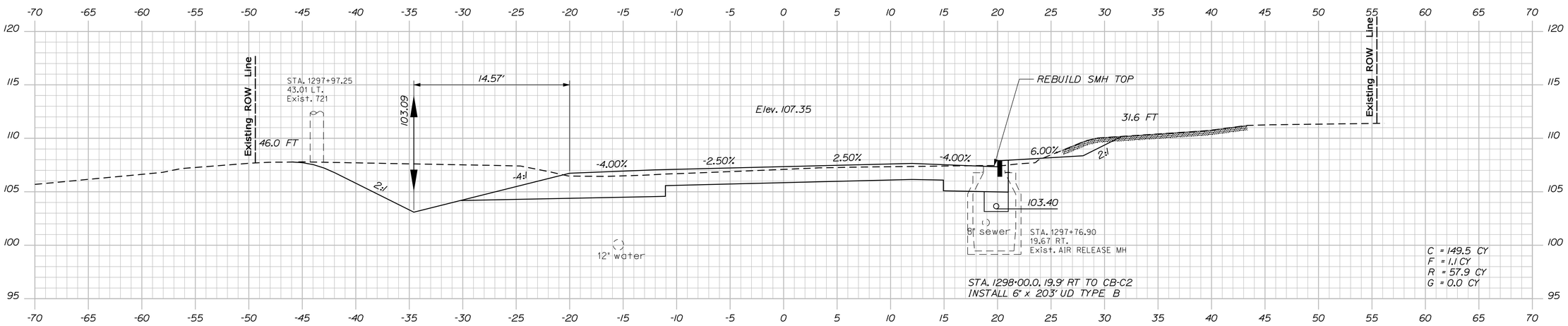
SHEET NUMBER

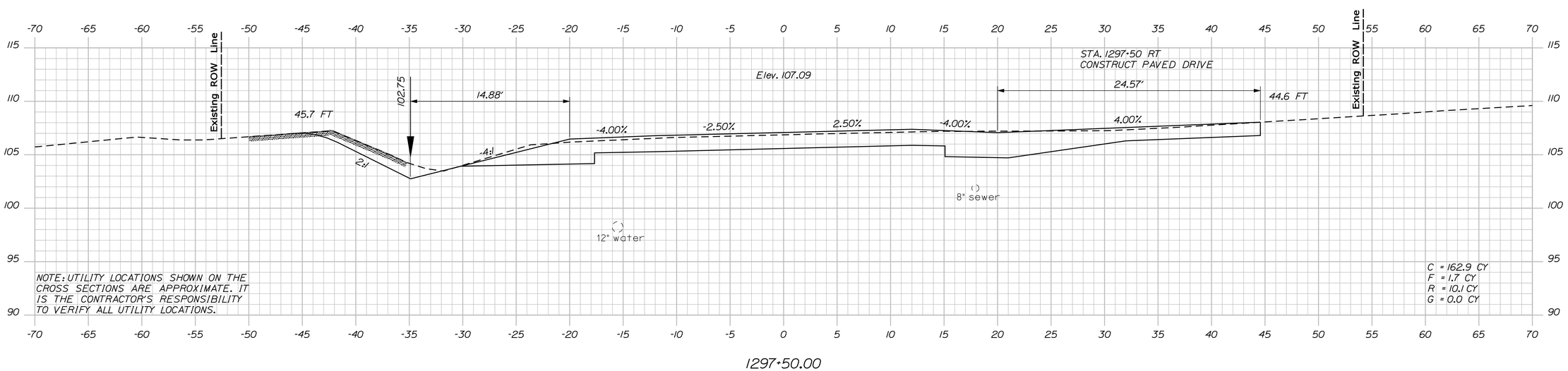
62

OF 187

Sta. 1296+00.00 to Sta. 1297+00.00

Filename: ...\MSTA\062_XSECT_1296+00_005.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

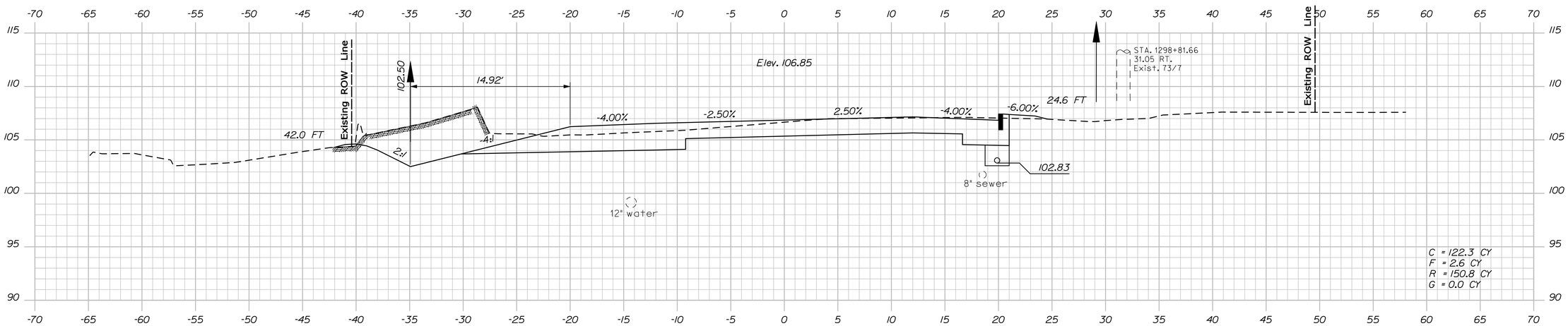
SHEET NUMBER

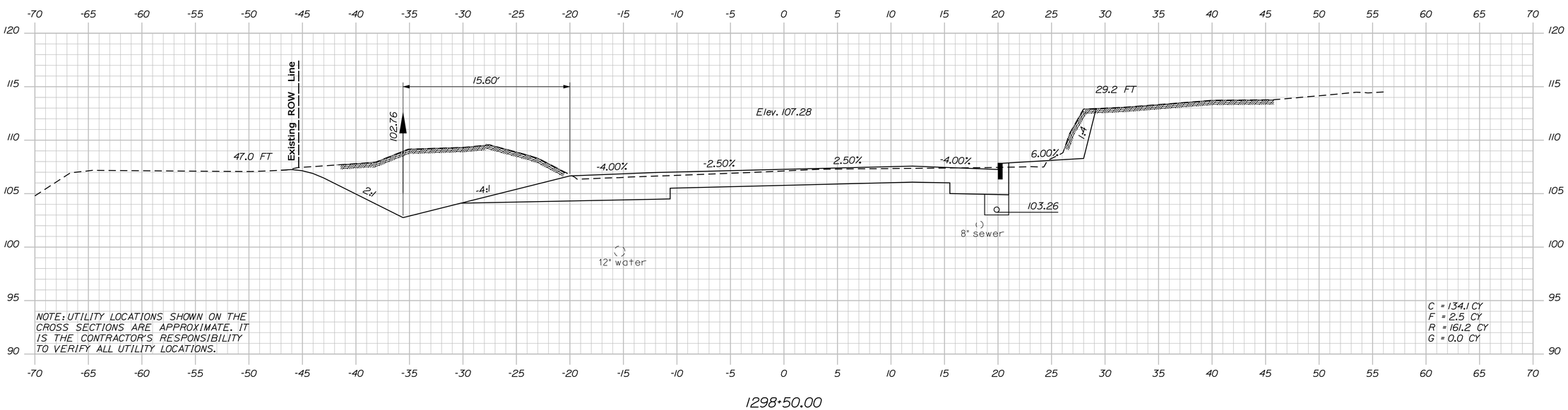
63

OF 187

Filename: ...\MSTA\063_XSECT_1297+50_006.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1297+50.00 to Sta. 1298+00.00





NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

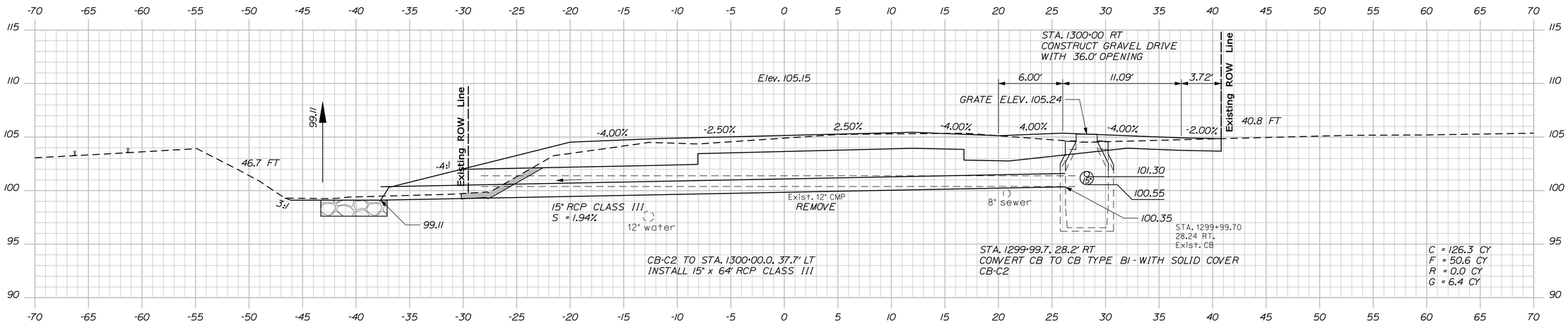
SHEET NUMBER

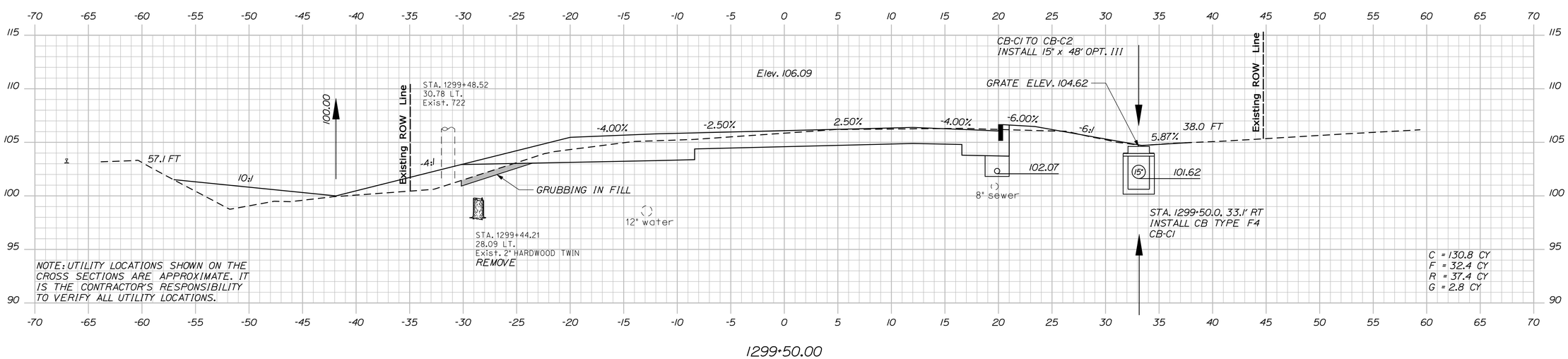
64

OF 187

Sta. 1298+50.00 to Sta. 1299+00.00

Filename: ...\MSTA\064_XSECT_1298+50_007.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---		---
REVISIONS 2	---		---
REVISIONS 3	---		---
REVISIONS 4	---		---
FIELD CHANGES	---		---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

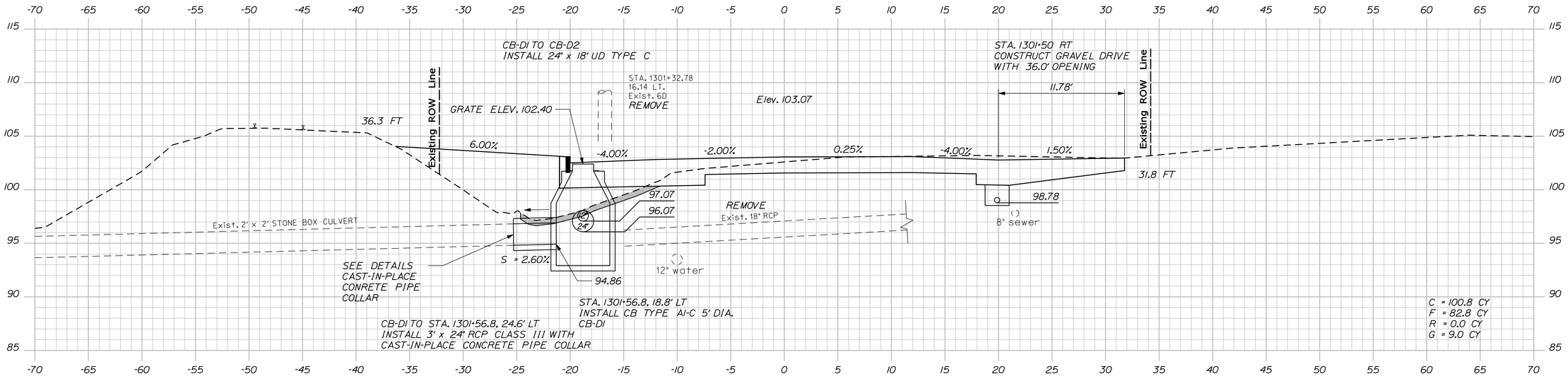
SHEET NUMBER

65

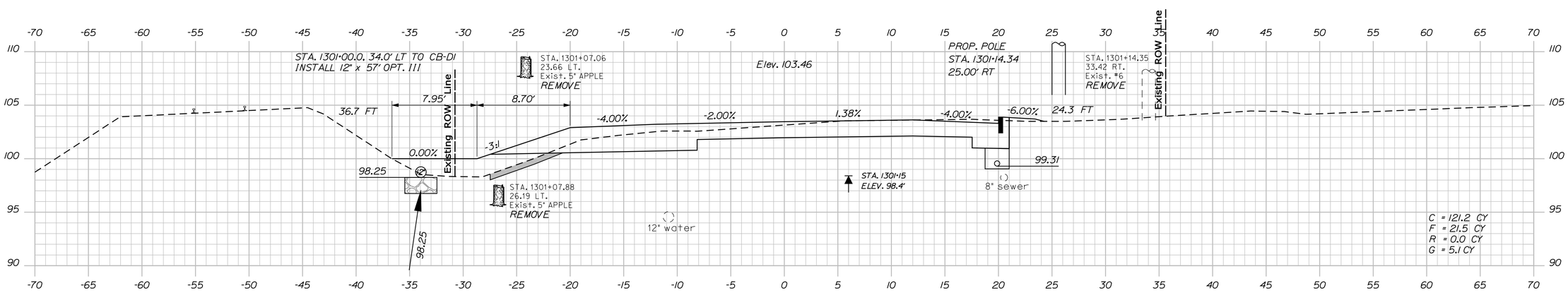
OF 187

Filename: ...\MSTA\065_XSECT_1299+50_008.dgn Division: Highway Username: jhilton Date:3/22/2016

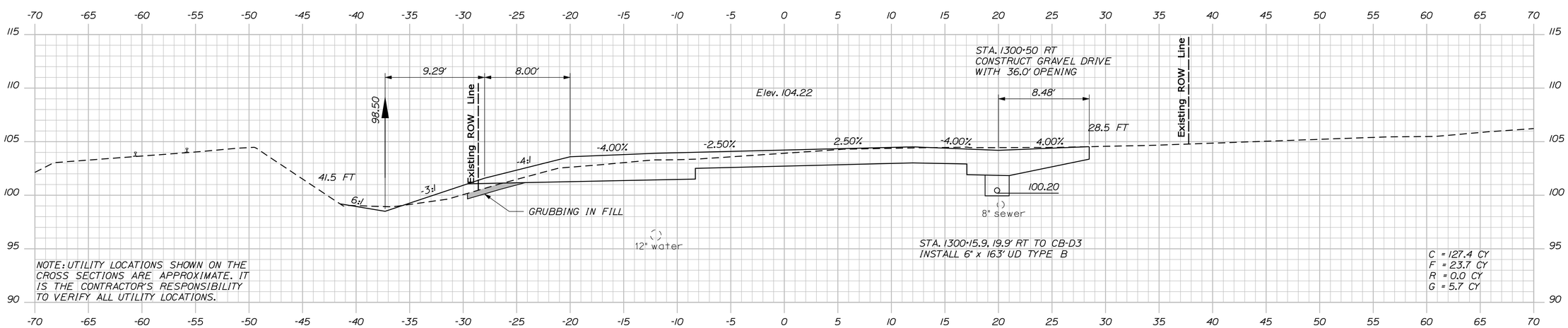
Sta. 1299+50.00 to Sta. 1300+00.00



1301+50.00



1301+00.00



1300+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

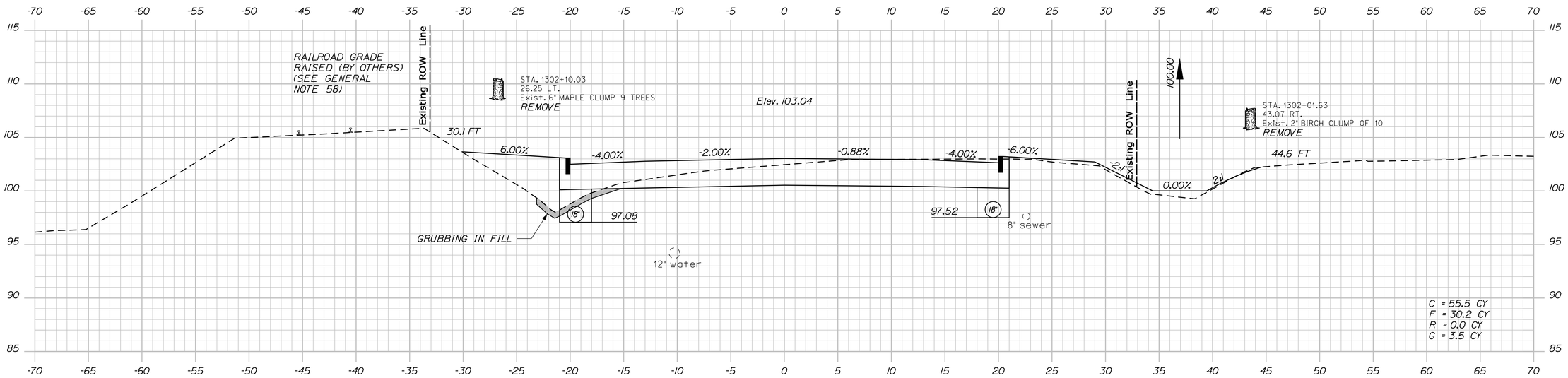
SHEET NUMBER

66

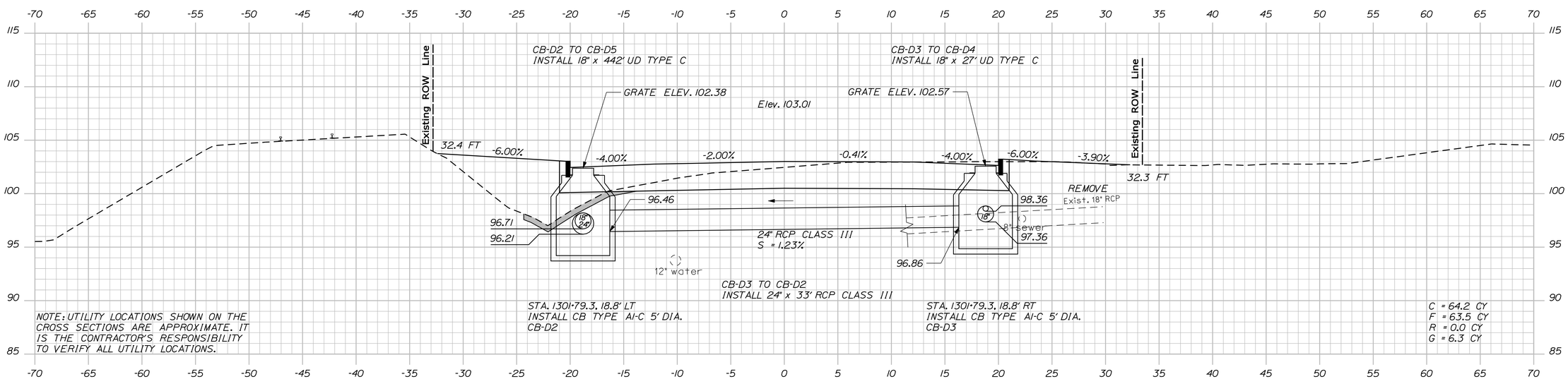
OF 187

Filename: ...\MSTA\066_XSECT_1300+50_009.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1300+50.00 to Sta. 1301+50.00



1302+00.00



1301+79.30

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON			
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER

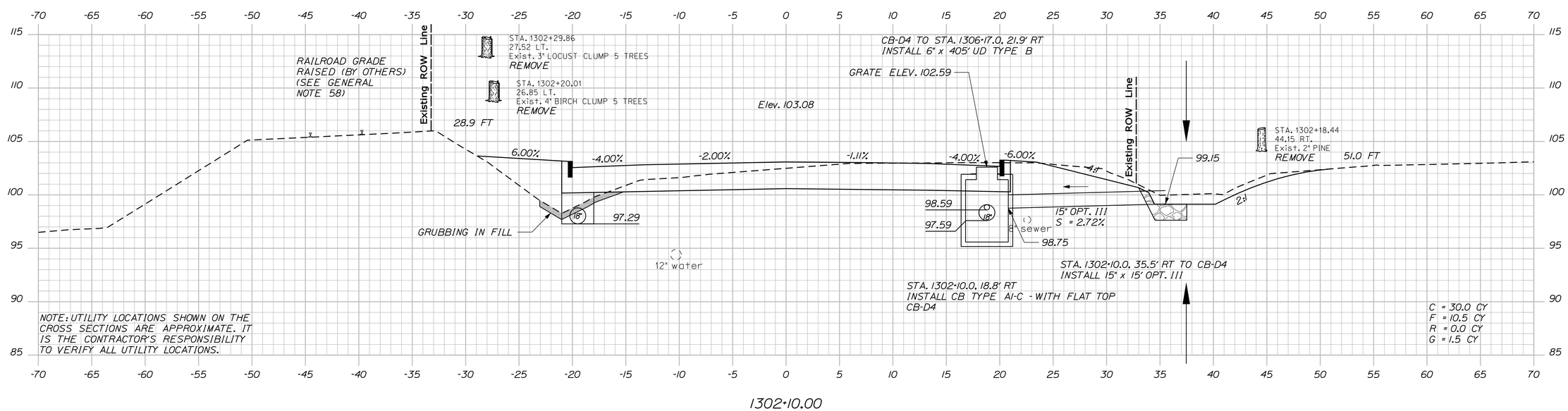
67

OF 187

Sta. 1301+79.30 to Sta. 1302+00.00

Filename: ...\MSTA\067_XSECT_1301+79_010.dgn Division: Highway Username: jhilton Date:3/22/2016

Filename: ...\MSTA\068_XSECT_1302+10_011.dgn Division: Highway Username: jhilton Date:3/22/2016



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

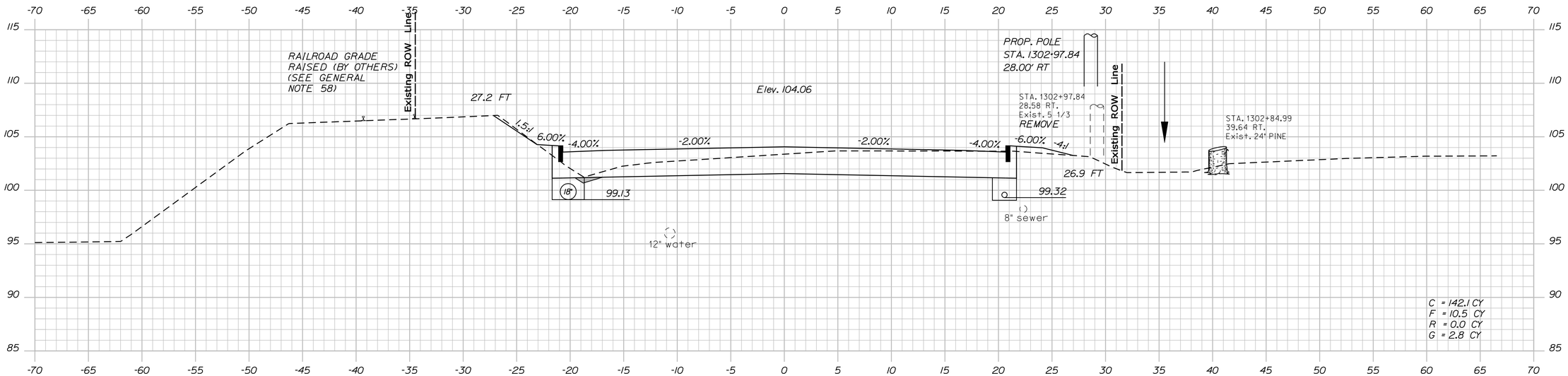
HIGHWAY PLANS

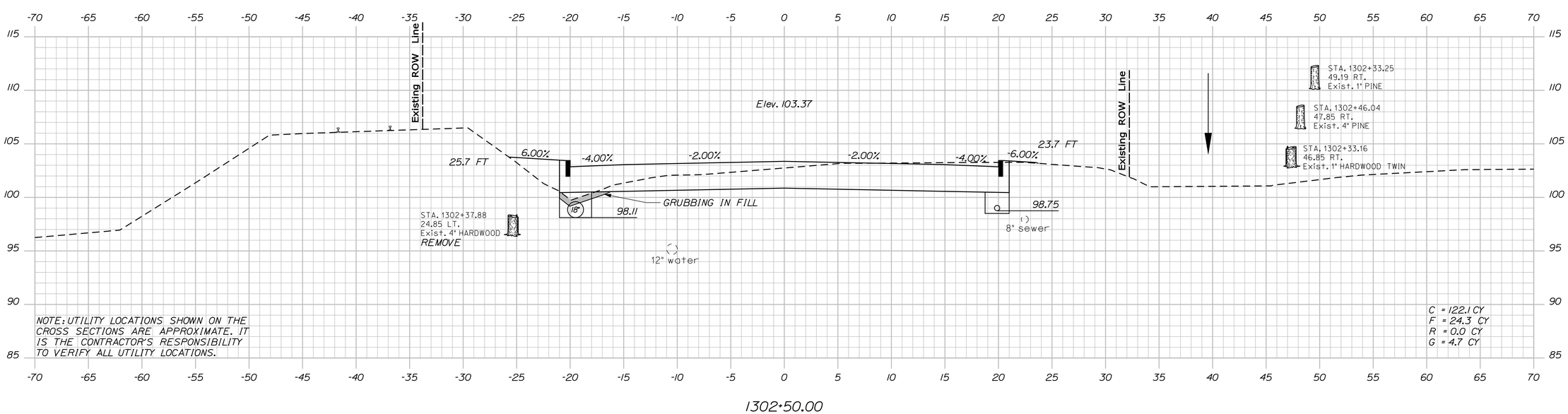
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER
68
OF 187

Sta. 1302+10.00 to Sta. 1302+10.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

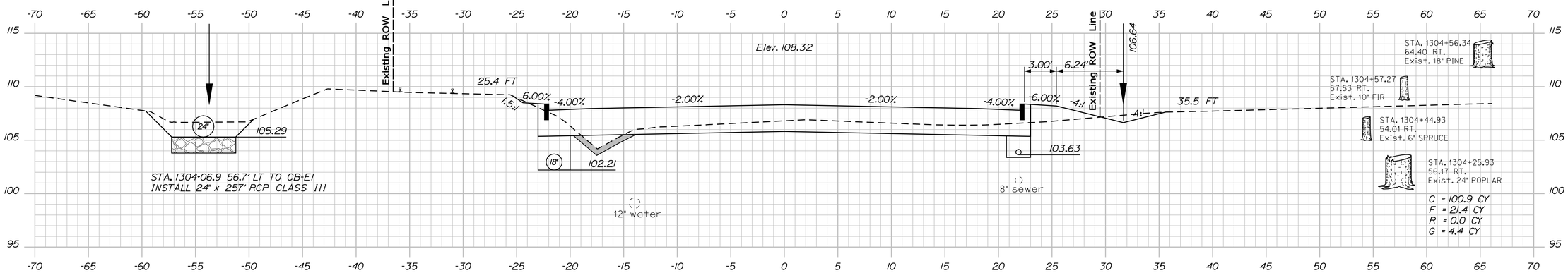
SHEET NUMBER

69

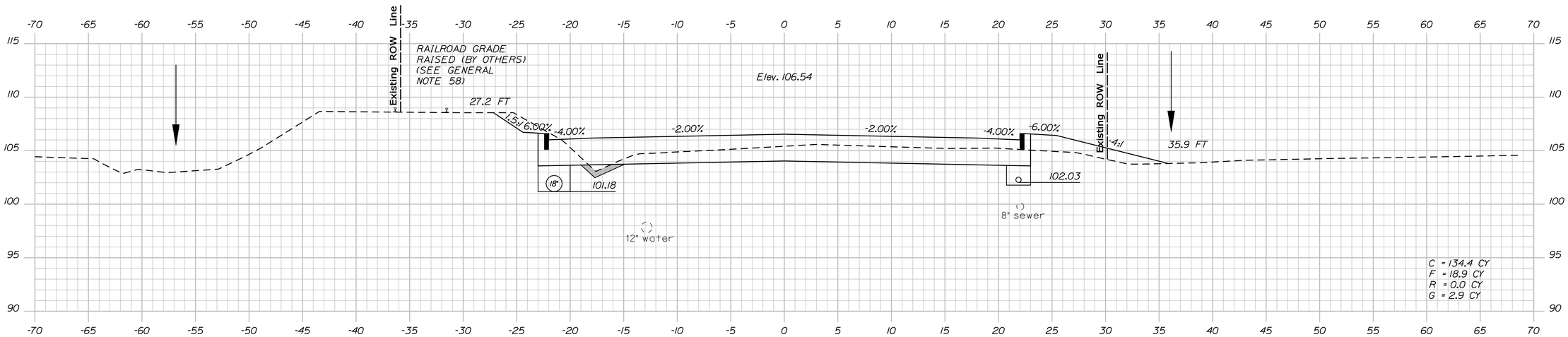
OF 187

Sta. 1302+50.00 to Sta. 1303+00.00

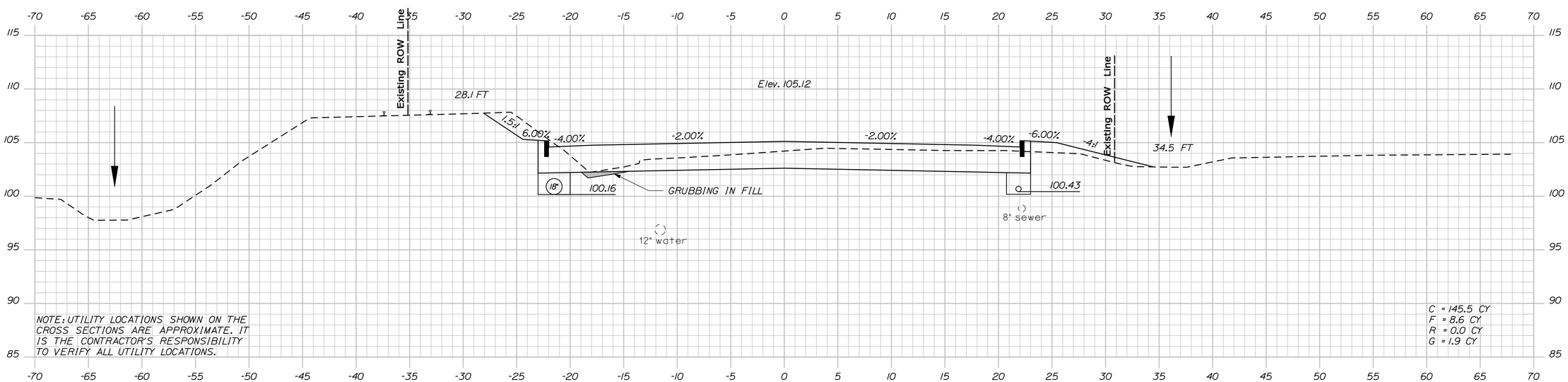
Filename: ...\MSTA\069_XSECT_1302+50_012.dgn Division: Highway Username: jhilton Date:3/22/2016



1304+50.00



1304+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1303+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

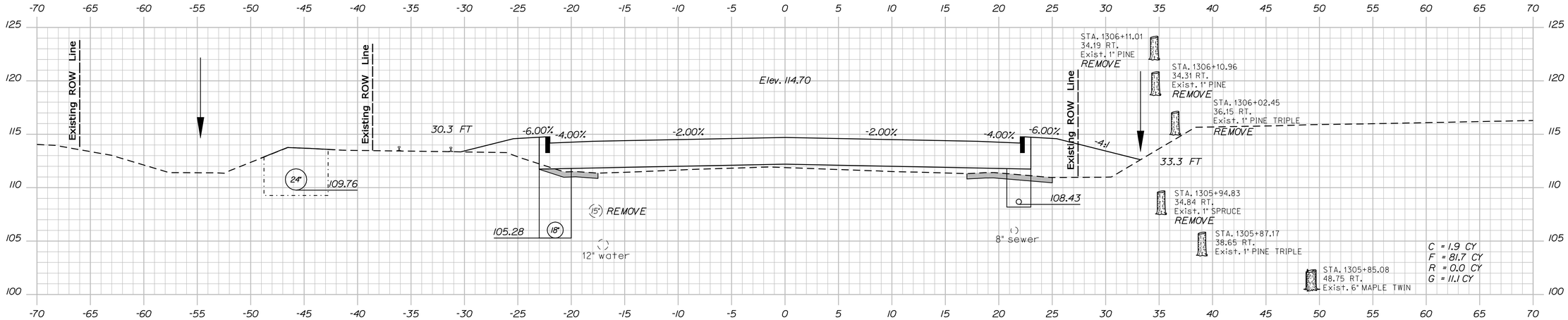
SHEET NUMBER

70

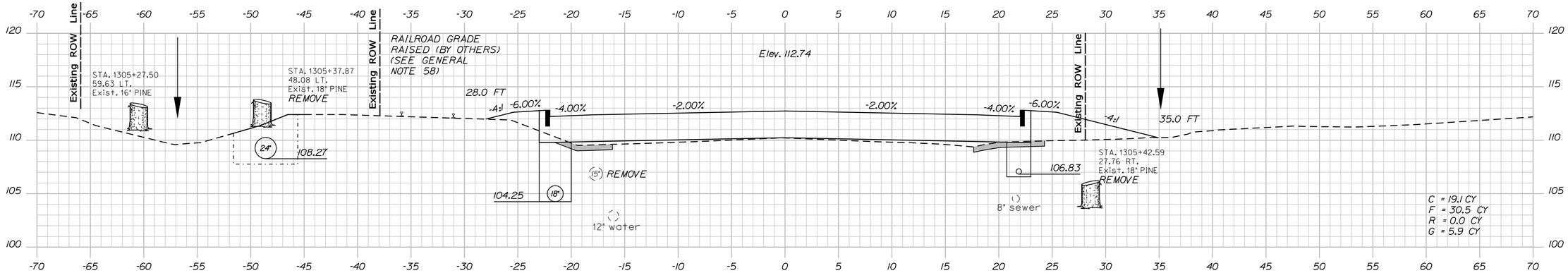
OF 187

Sta. 1303+50.00 to Sta. 1304+50.00

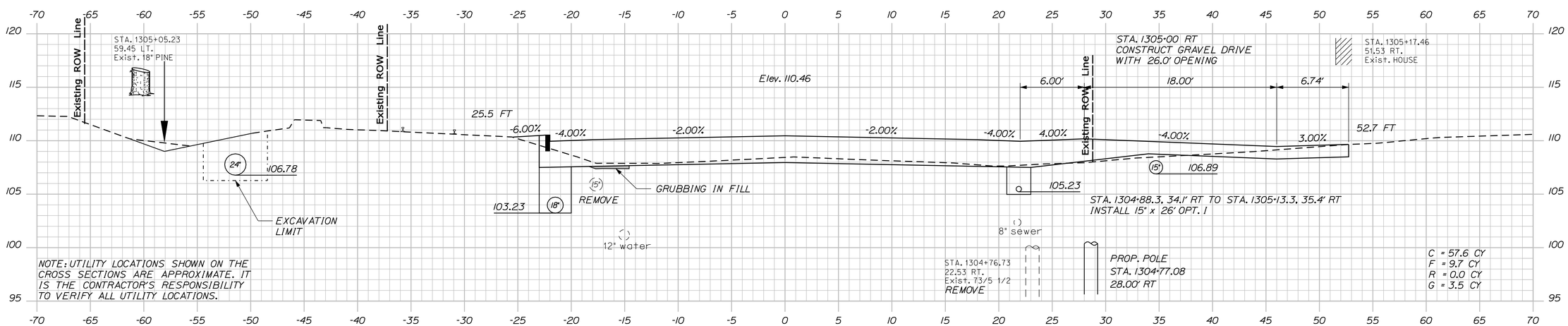
Filename: ...\MSTA\070_XSECT_1303+50_013.dgn Division: Highway Username: jhilton Date:3/22/2016



1306+00.00



1305+50.00



1305+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

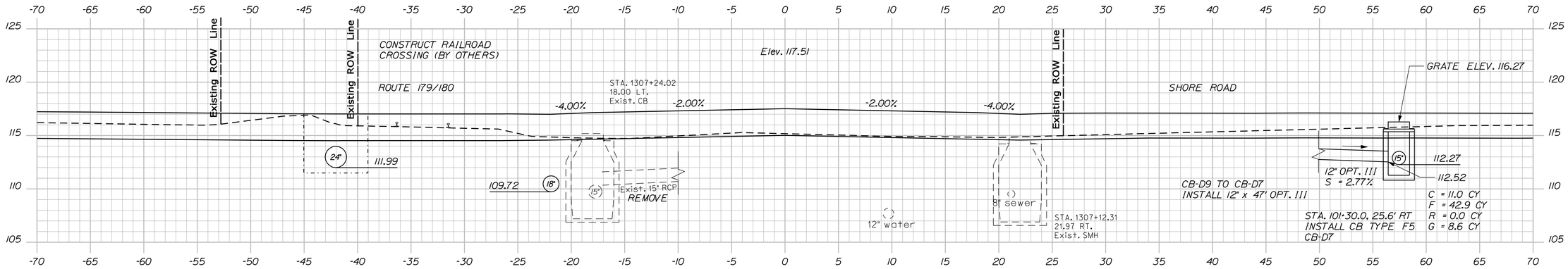
SHEET NUMBER

71

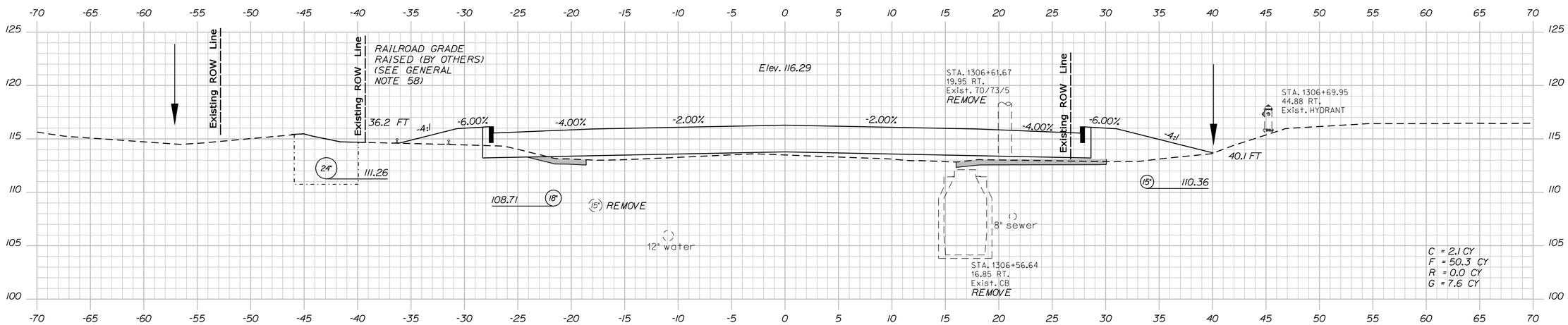
OF 187

Filename: ...\MSTA\071_XSECT_1305+00_014.dgn Division: Highway Username: jhilton Date:3/22/2016

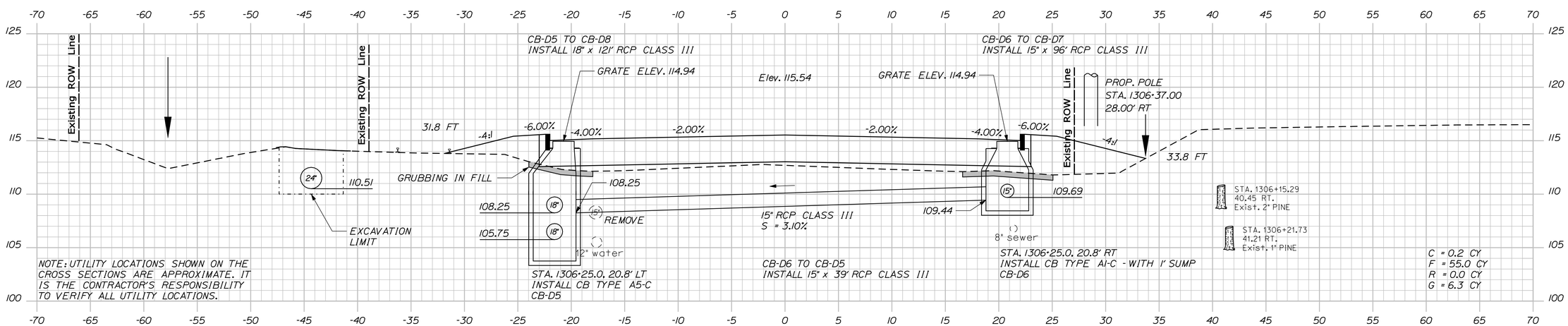
Sta. 1305+00.00 to Sta. 1306+00.00



1307+00.00



1306+50.00



1306+25.00

Sta. 1306+25.00 to Sta. 1307+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON			
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

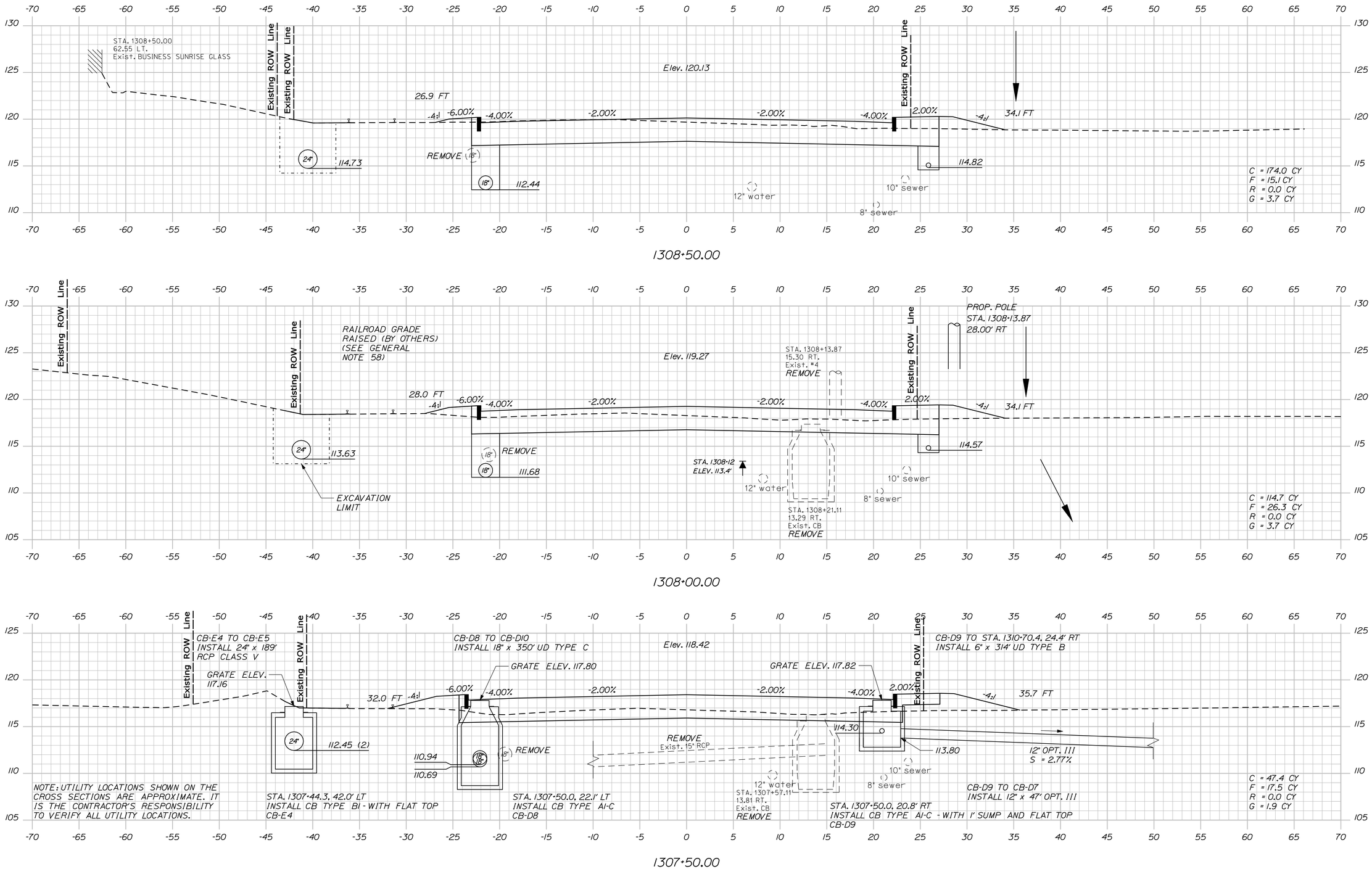
CROSS SECTIONS

SHEET NUMBER

72

OF 187

Filename: ...\MSTA\072_XSECT_1306+25_015.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

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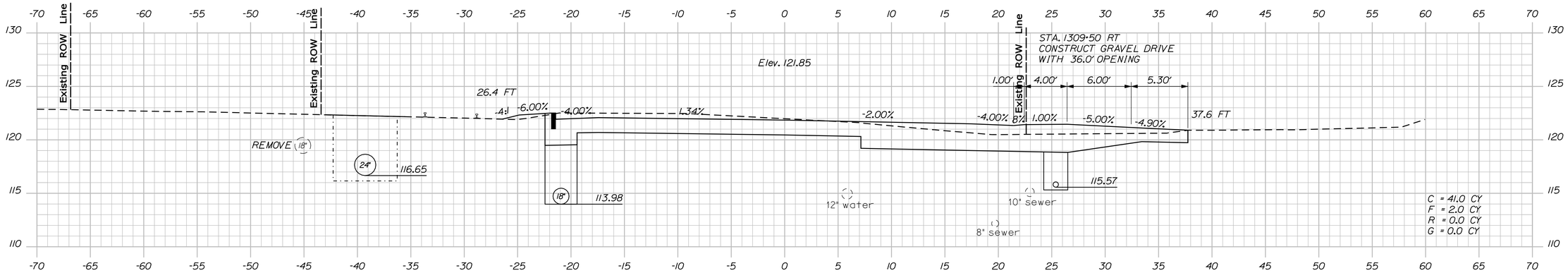
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

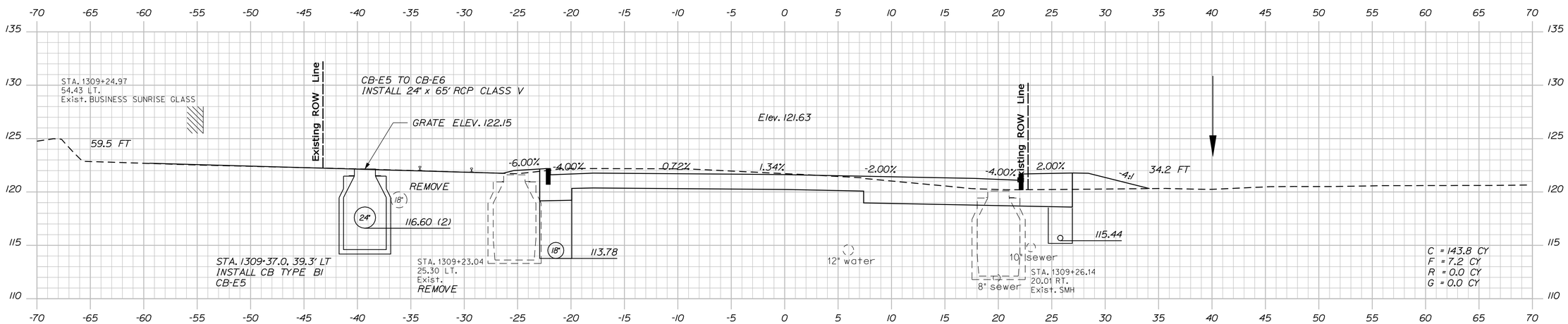
SHEET NUMBER
73
OF 187

Sta. 1307+50.00 to Sta. 1308+50.00

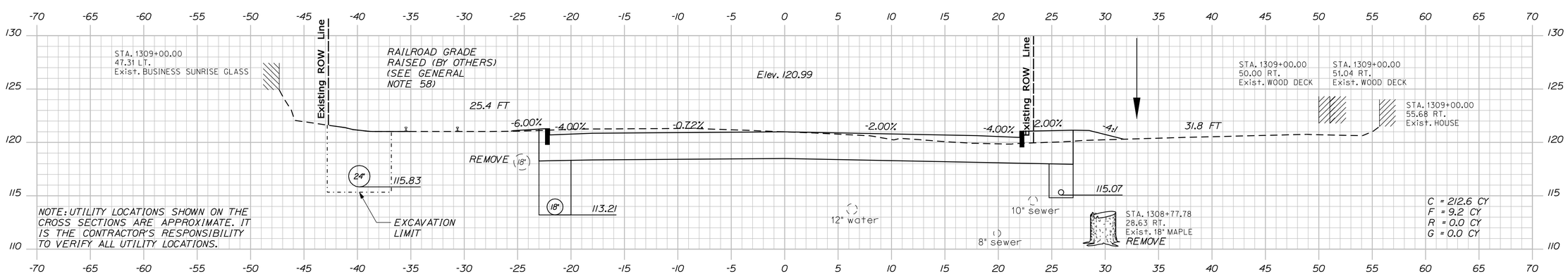
Filename: ...\MSTA\073_XSECT_1307+50_016.dgn Division: Highway Username: jhilton Date:3/22/2016



1309+50.00



1309+37.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1309+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

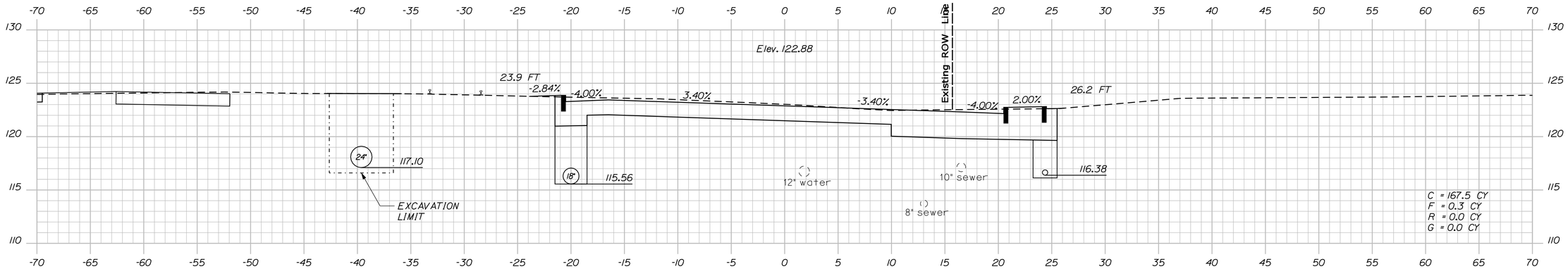
SHEET NUMBER

74

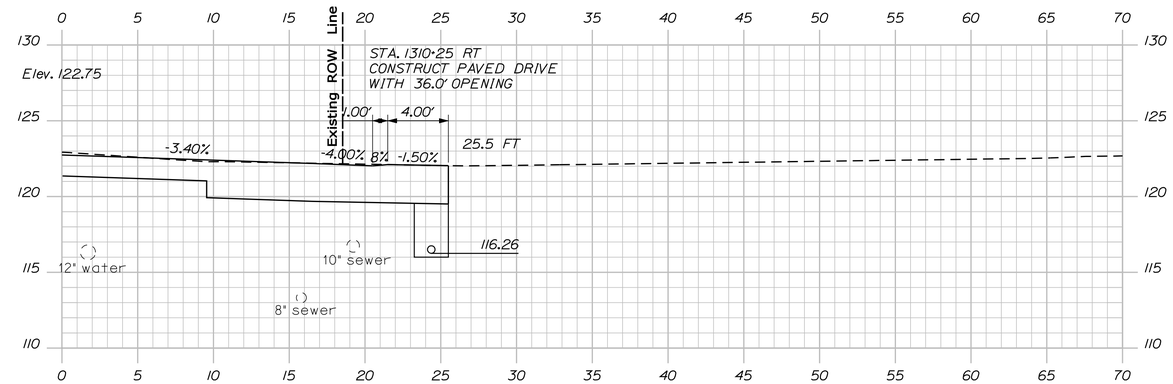
OF 187

Sta. 1309+00.00 to Sta. 1309+50.00

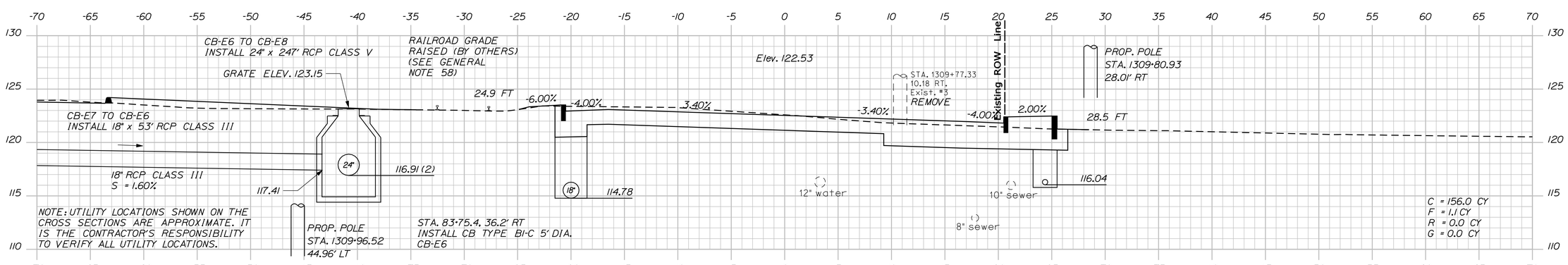
Filename: ...\MSTA\074_XSECT_1309+00_017.dgn Division: Highway Username: jhilton Date:3/22/2016



1310+50.00



1310+25.00



1310+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

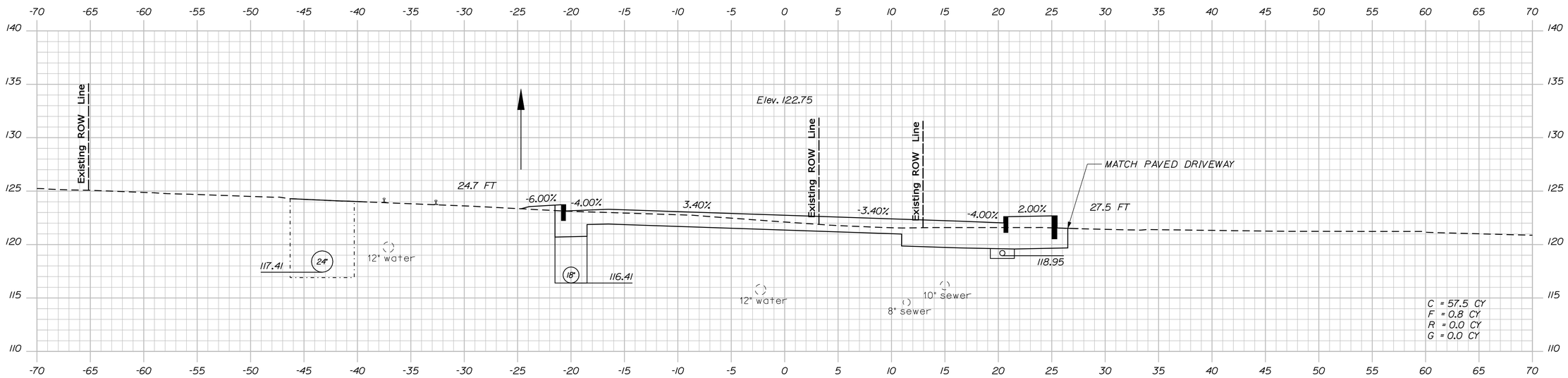
SHEET NUMBER

75

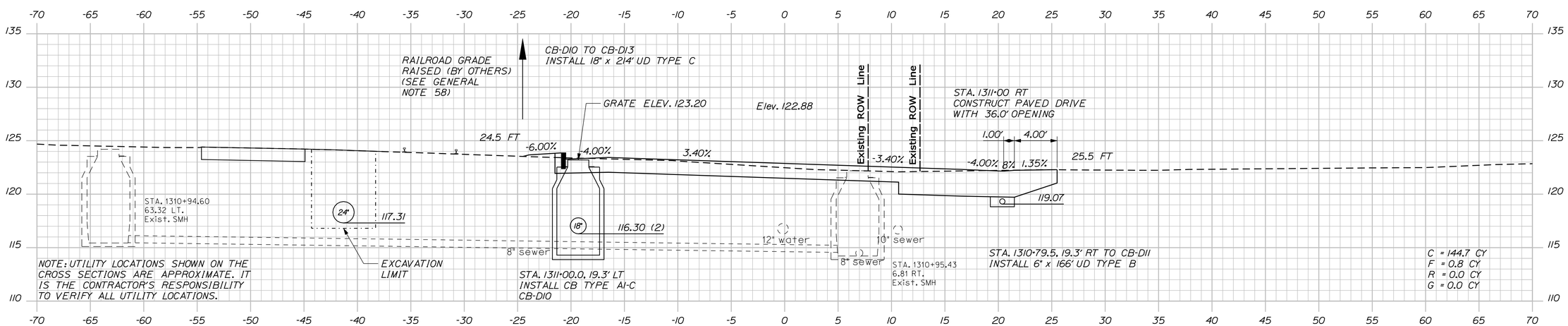
OF 187

Sta. 1310+00.00 to Sta. 1310+50.00

Filename: ...\MSTA\075_XSECT_1310+00_018.dgn Division: Highway Username: jhilton Date:3/22/2016



1311+25.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1311+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

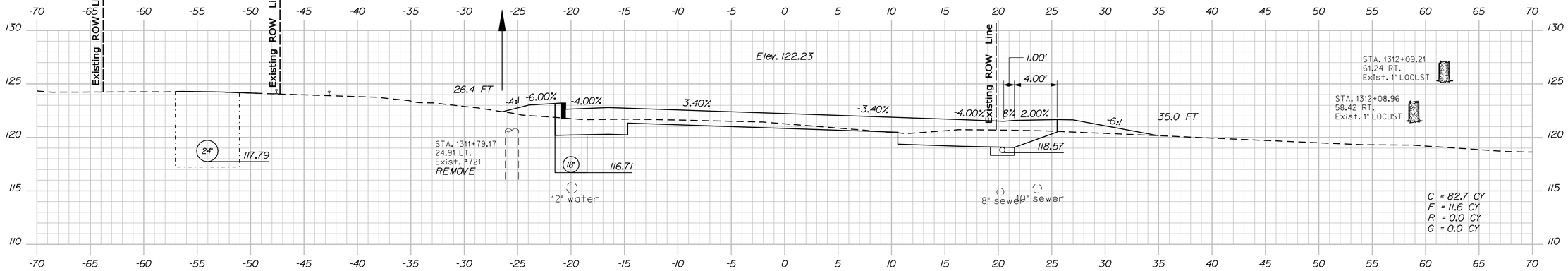
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

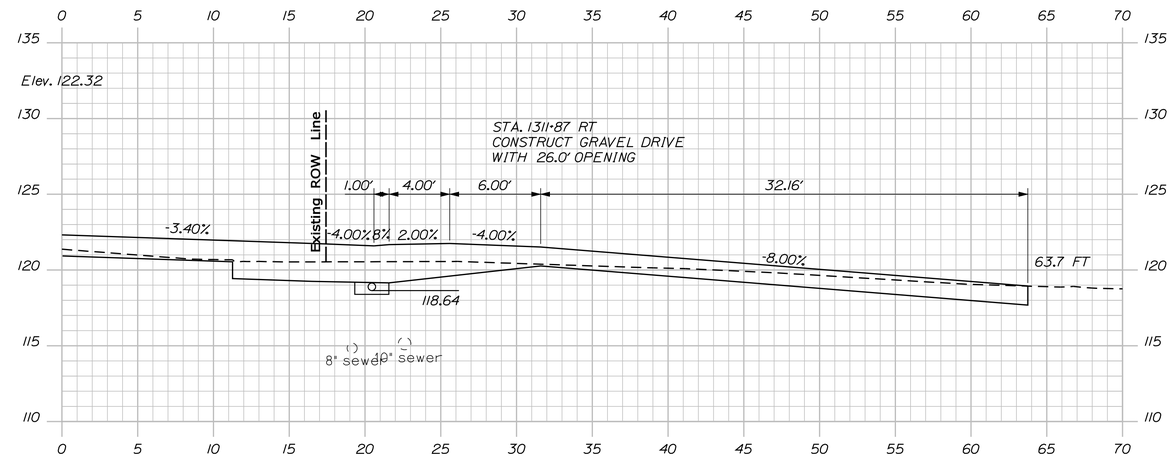
SHEET NUMBER
76
OF 187

Sta. 1311+00.00 to Sta. 1311+25.00

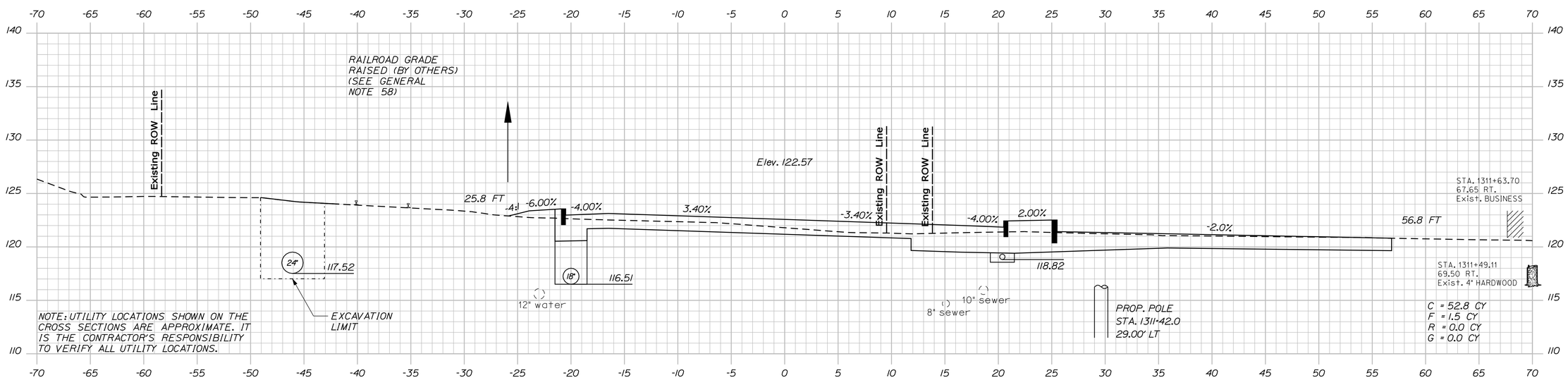
Filename: ...\MSTA\076_XSECT_1311+00_019.dgn Division: Highway Username: jhilton Date:3/22/2016



1312+00.00



1311+87.00



1311+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

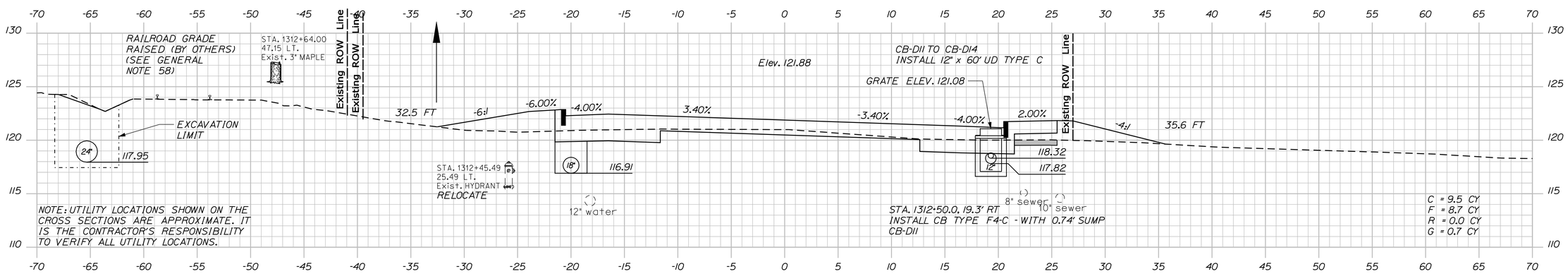
SHEET NUMBER

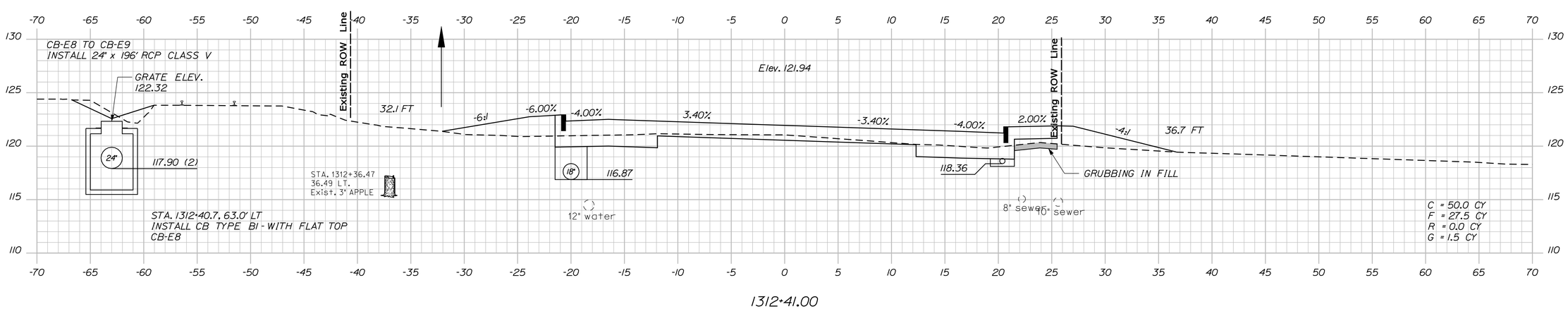
77

OF 187

Sta. 1311+50.00 to Sta. 1312+00.00

Filename: ...\MSTA\077_XSECT_1311+50_020.dgn Division: Highway Username: jhilton Date:3/29/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

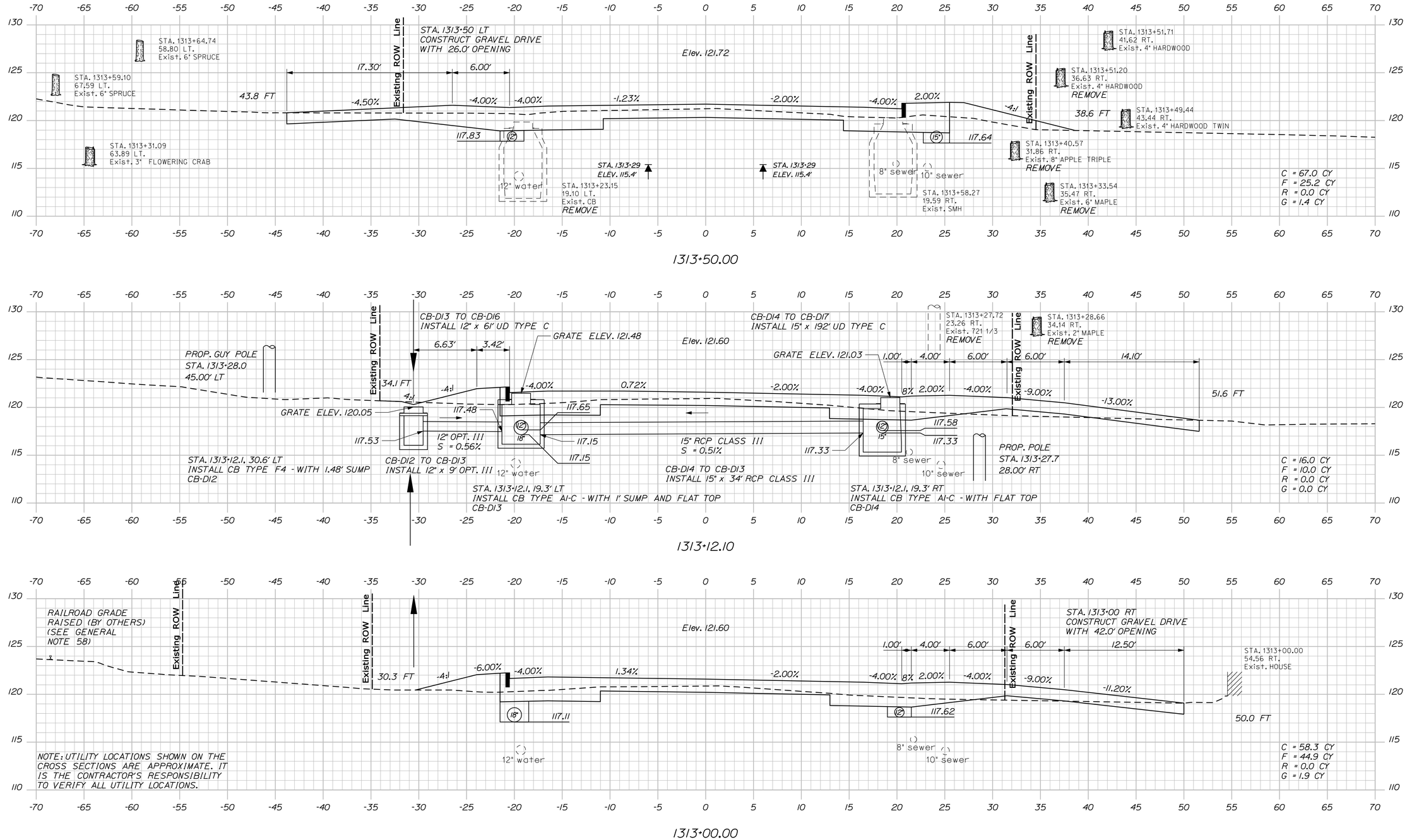
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER
78
OF 187

Filename: ...\MSTA\078_XSECT_1312+41_021.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1312+41.00 to Sta. 1312+70.00



Sta. 1313+00.00 to Sta. 1313+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

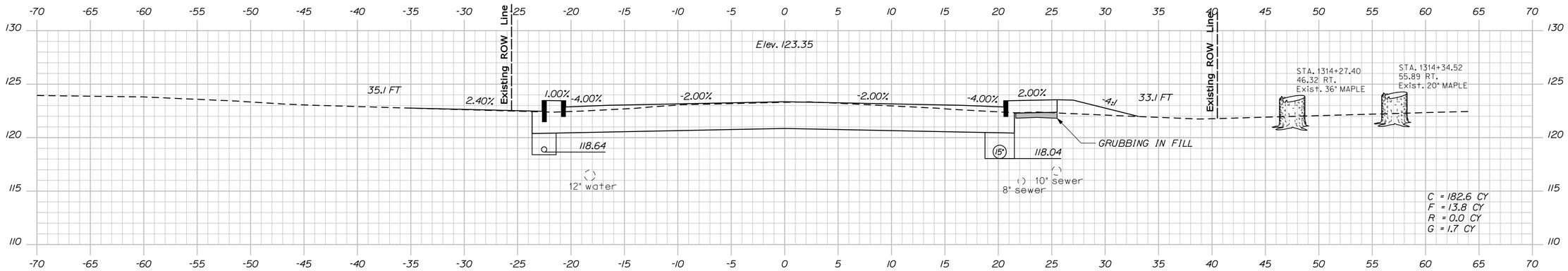
DATE

ELLSWORTH
US ROUTE 1A (NHS)

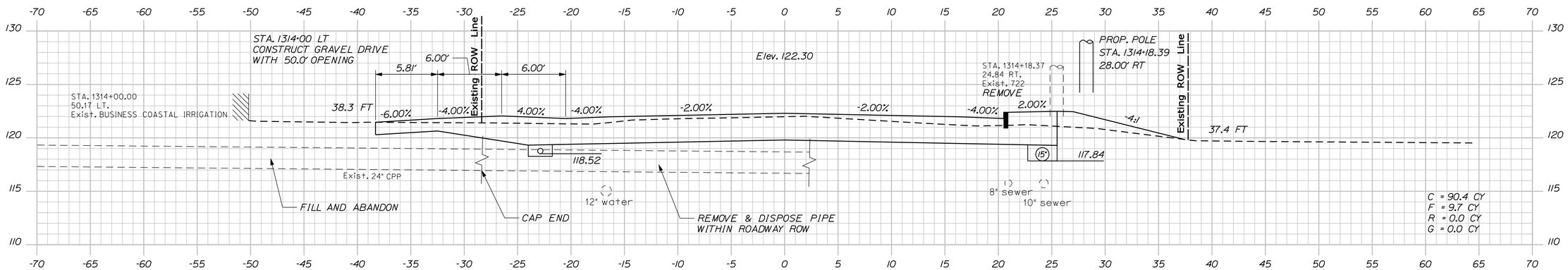
CROSS SECTIONS

SHEET NUMBER
79
OF 187

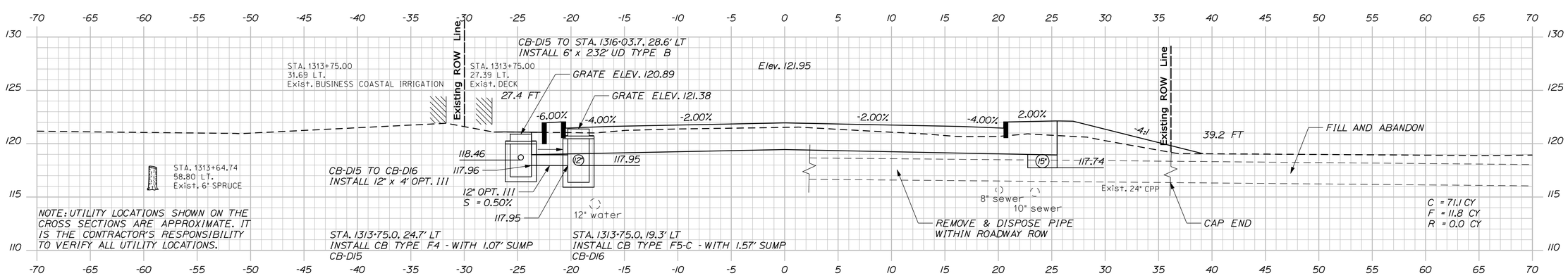
Filename: ...\MSTA\079_XSECT_1313+00_022.dgn Division: Highway Username: jhilton Date:3/29/2016



1314+50.00



1314+00.00



1313+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

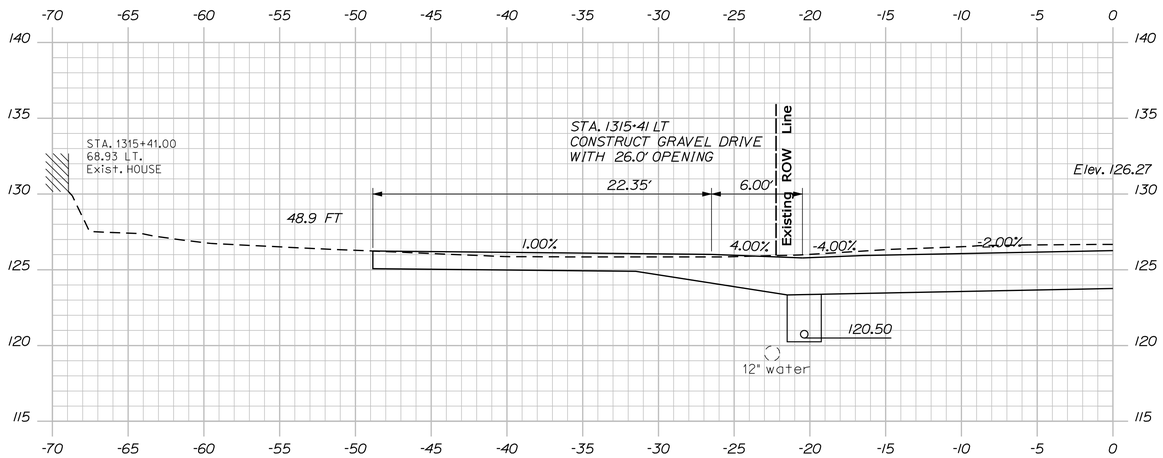
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

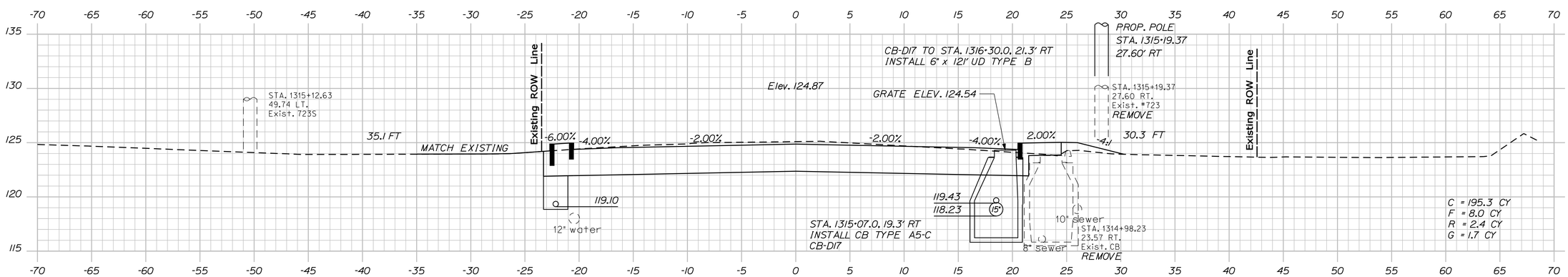
SHEET NUMBER
80
OF 187

Sta. 1313+75.00 to Sta. 1314+50.00

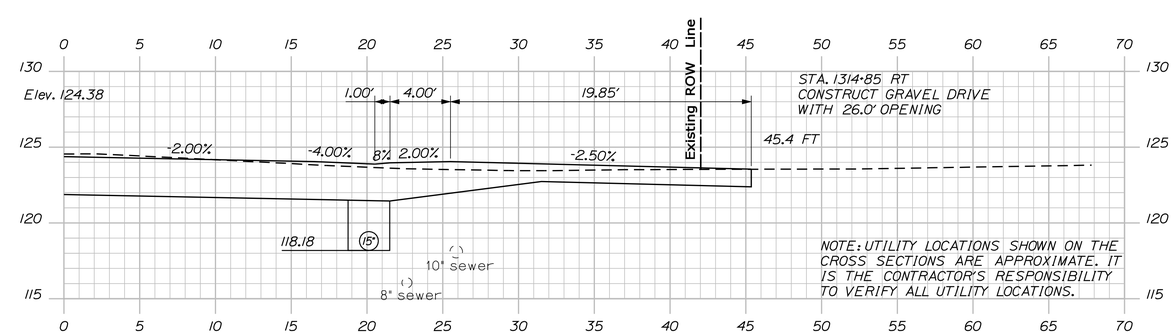
Filename: ...\MSTA\080_XSECT_1313+75_023.dgn Division: Highway Username: jhilton Date:3/22/2016



1315+41.00



1315+00.00



1314+85.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

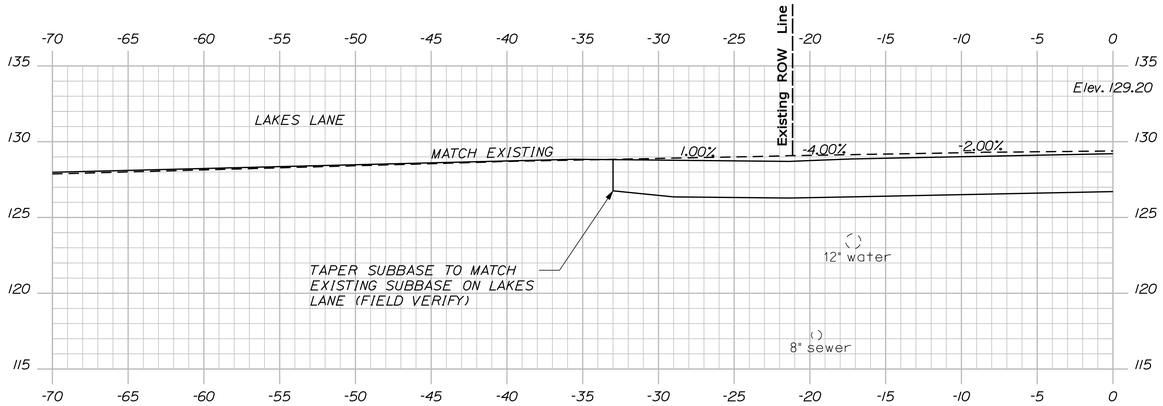
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

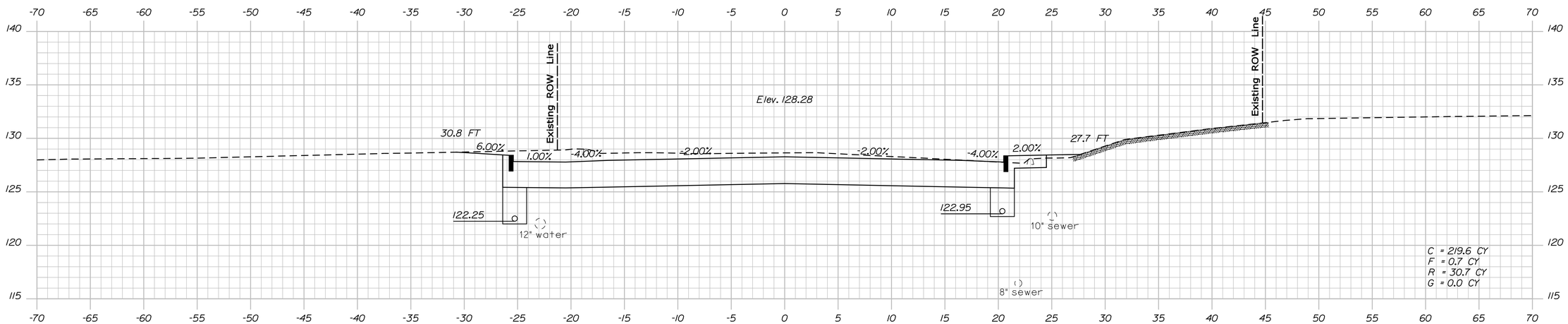
SHEET NUMBER
81
OF 187

Filename: ...\MSTA\081_XSECT_1314+85_024.dgn Division: Highway Username: jhilton Date:3/22/2016

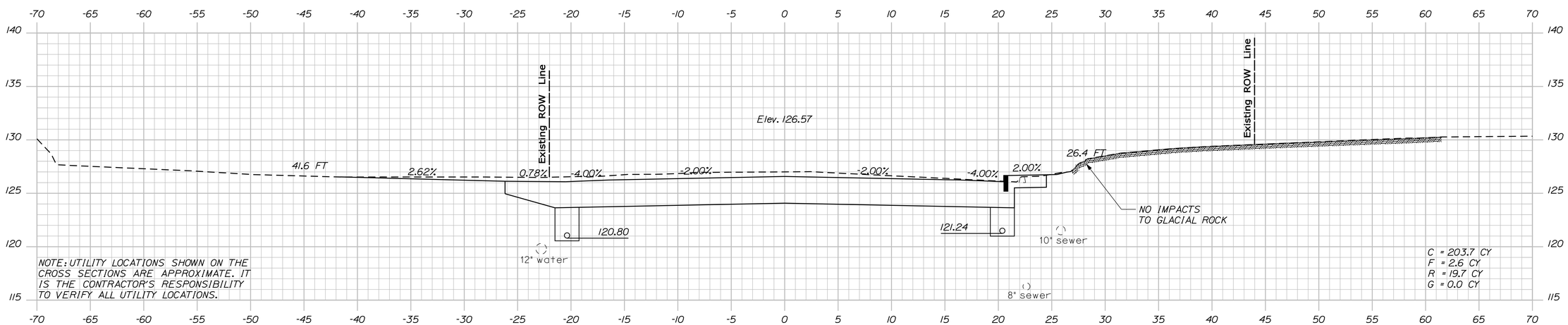
Sta. 1314+85.00 to Sta. 1315+41.00



1316+29.00



1316+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1315+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

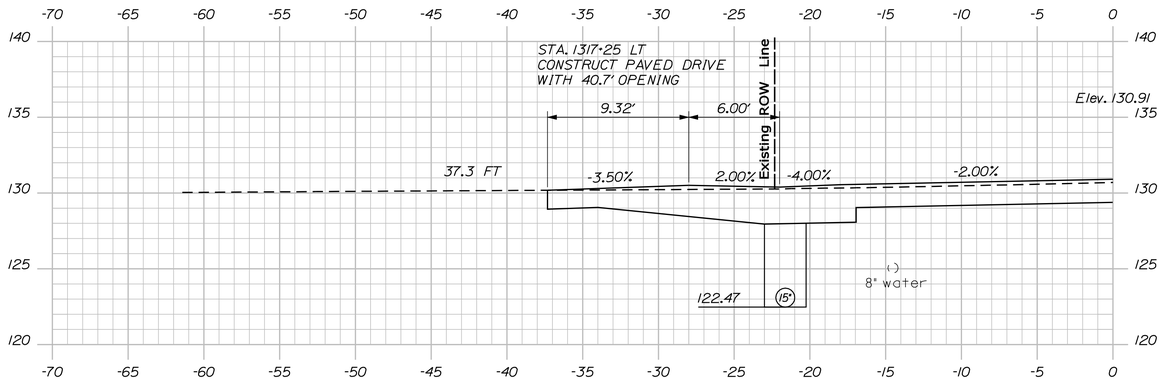
SHEET NUMBER

82

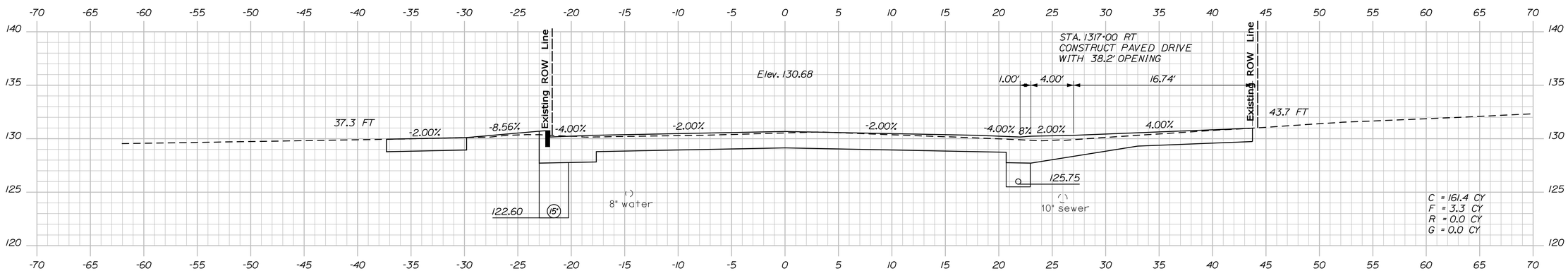
OF 187

Sta. 1315+50.00 to Sta. 1316+29.00

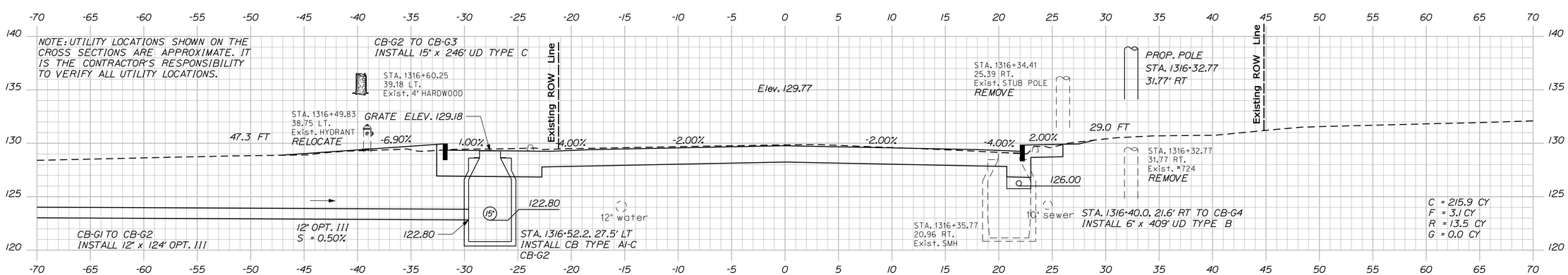
Filename: ...\MSTA\082_XSECT_1315+50_025.dgn Division: Highway Username: jhilton Date:3/29/2016



1317+25.00



1317+00.00



1316+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

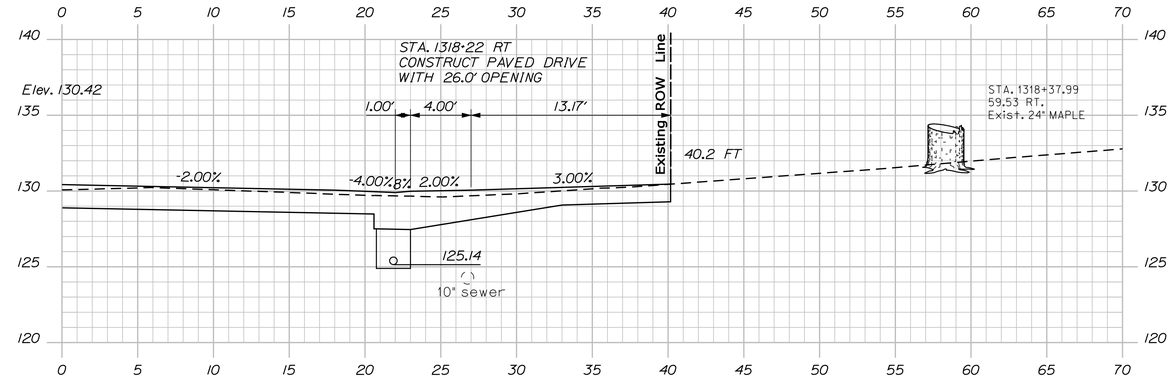
SHEET NUMBER

83

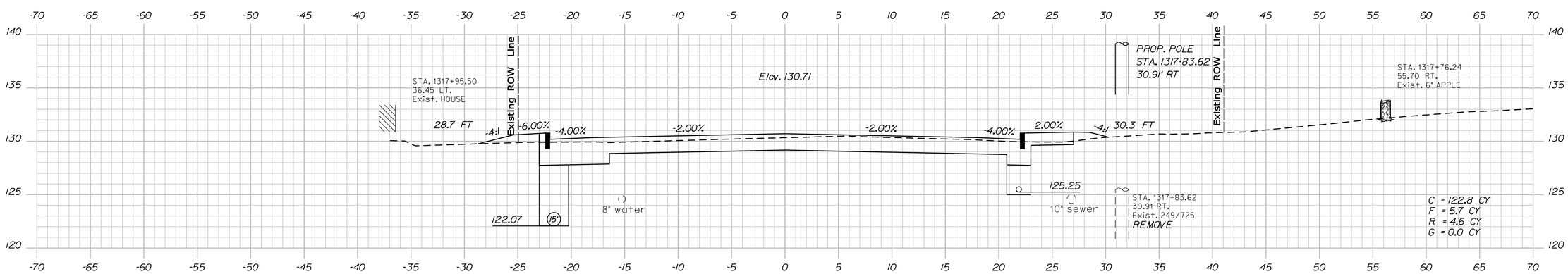
OF 187

Filename: ...\MSTA\083_XSECT_1316+50_001.dgn Division: Highway Username: jhilton Date:3/22/2016

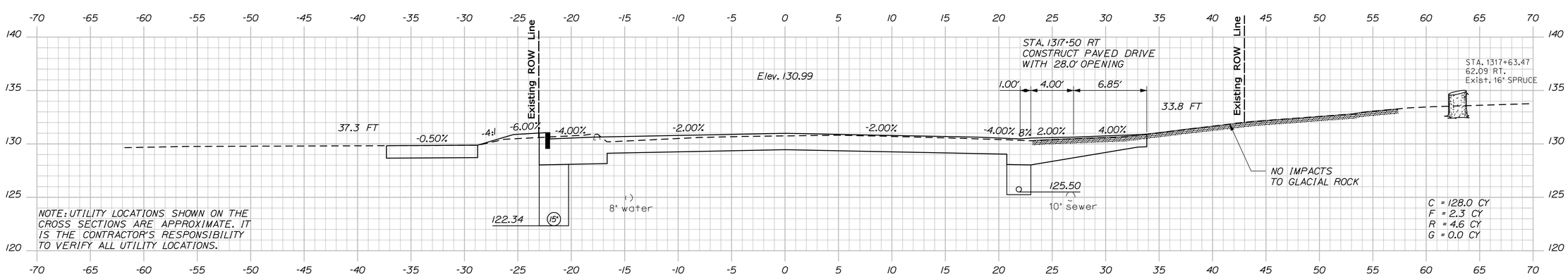
Sta. 1316+50.00 to Sta. 1317+25.00



1318+22.00



1318+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1317+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES			...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

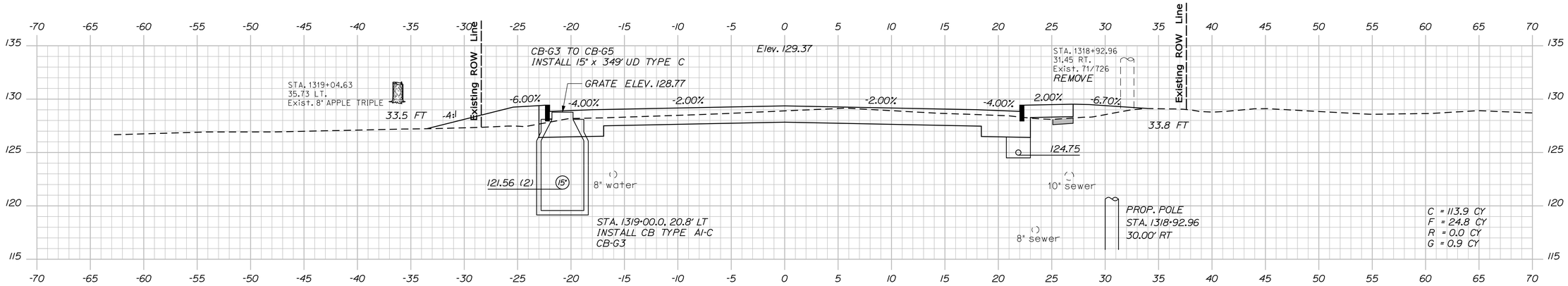
SHEET NUMBER

84

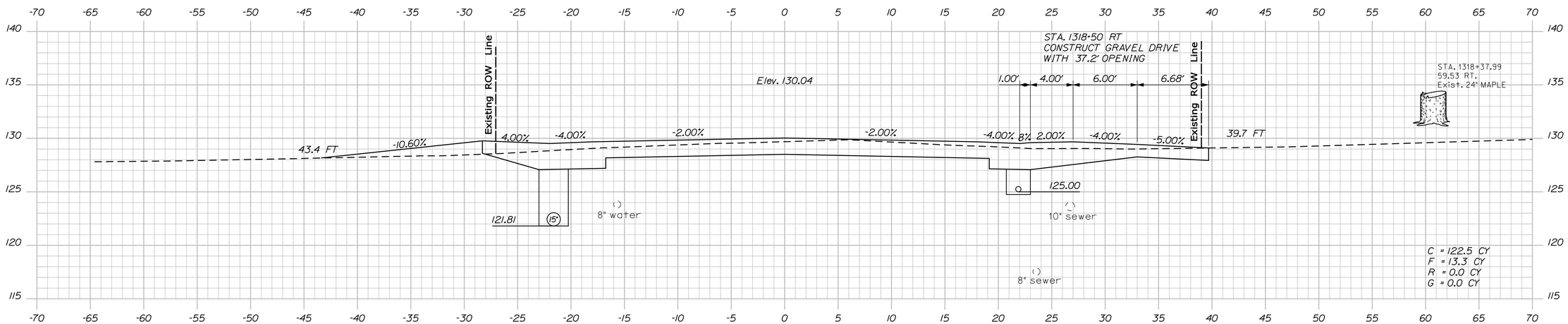
OF 187

Filename: ...\MSTA\084_XSECT_1317+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016

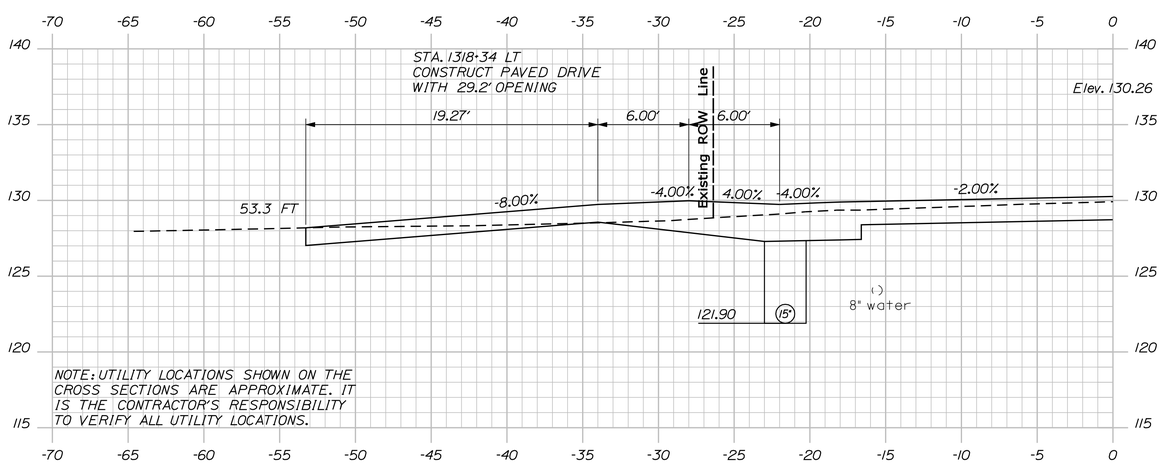
Sta. 1317+50.00 to Sta. 1318+22.00



1319+00.00



1318+50.00



1318+34.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

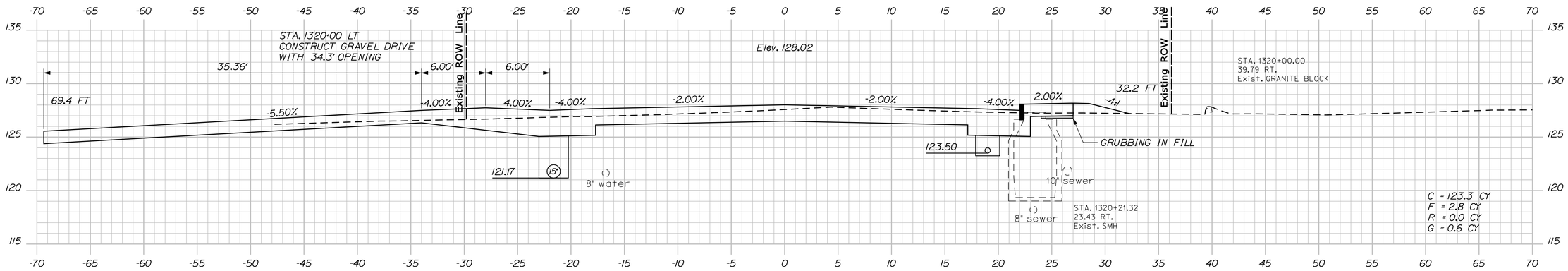
ELLSWORTH
US ROUTE 1A (NHS)

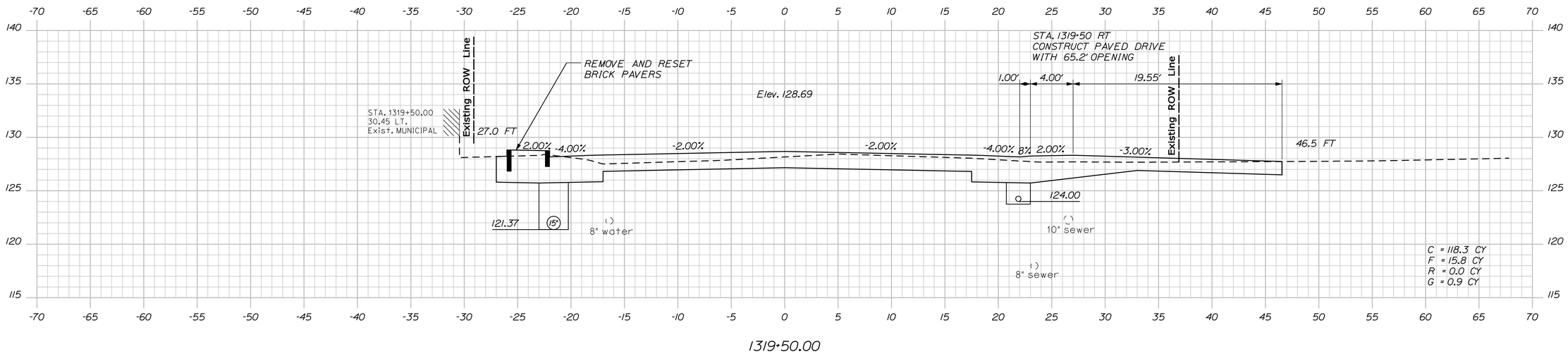
CROSS SECTIONS

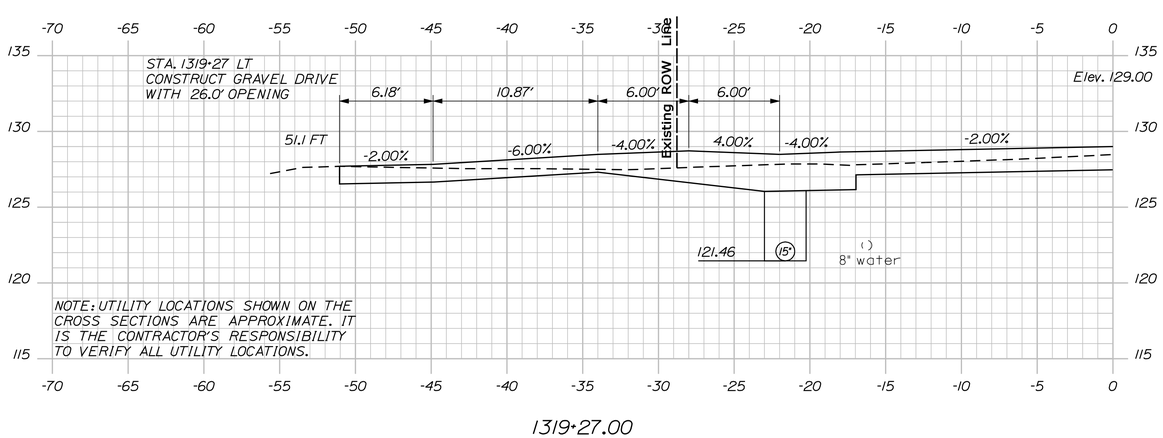
SHEET NUMBER
85
OF 187

Sta. 1318+34.00 to Sta. 1319+00.00

Filename: ...\MSTA\085_XSECT_1318+34_003.dgn Division: Highway Username: jhilton Date:3/22/2016







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	...	...
DESIGN3-DETAILED3	...	...
REVISIONS 1	...	...
REVISIONS 2	...	...
REVISIONS 3	...	...
REVISIONS 4	...	...
FIELD CHANGES	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

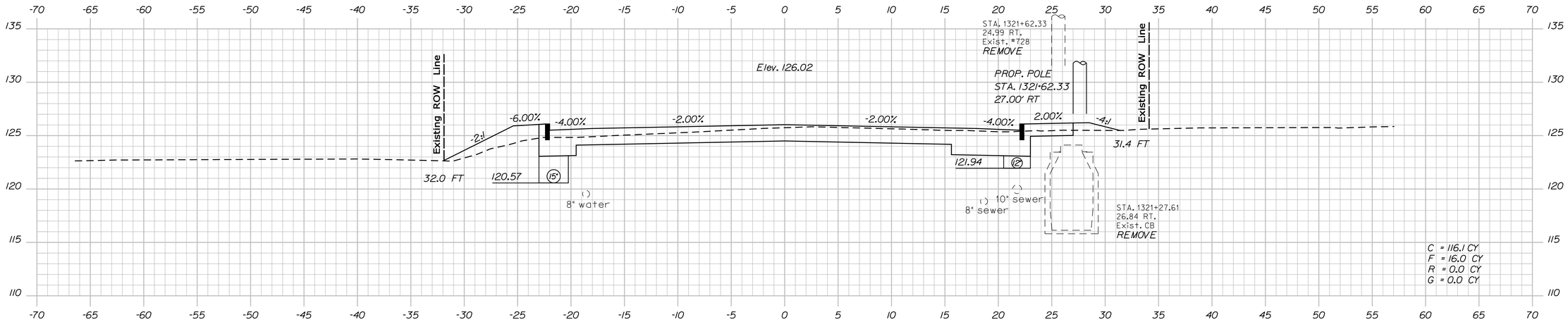
SHEET NUMBER

86

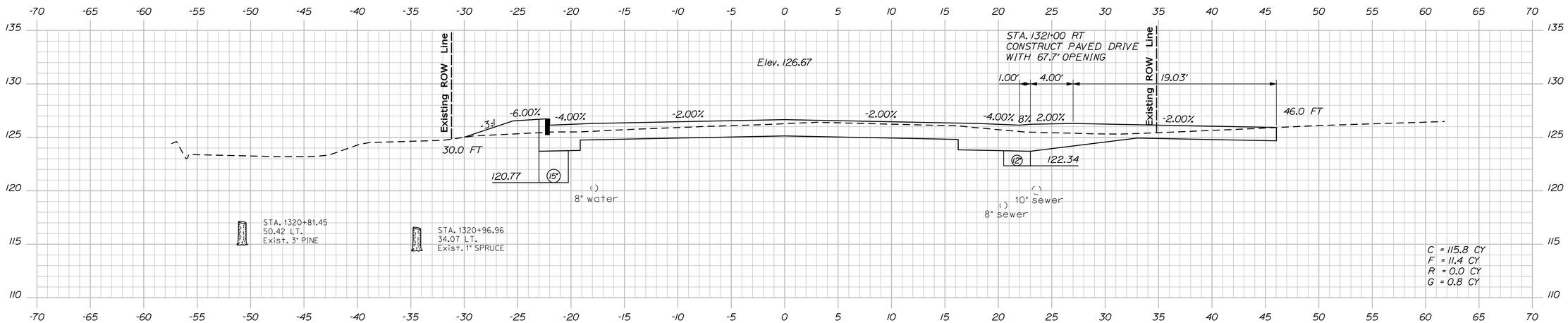
OF 187

Filename: ...\MSTA\086_XSECT_1319-27_004.dgn Division: Highway Username: jhilton Date:3/22/2016

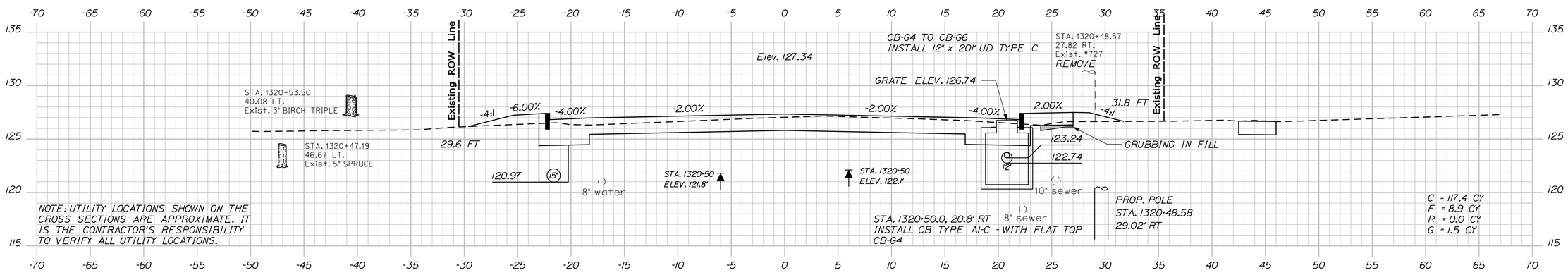
Sta. 1319+27.00 to Sta. 1320+00.00



1321+50.00



1321+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1320+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S. \S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	--- ---
DESIGN3-DETAILED3	---	--- ---
REVISIONS 1	---	--- ---
REVISIONS 2	---	--- ---
REVISIONS 3	---	--- ---
REVISIONS 4	---	--- ---
FIELD CHANGES	---	--- ---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

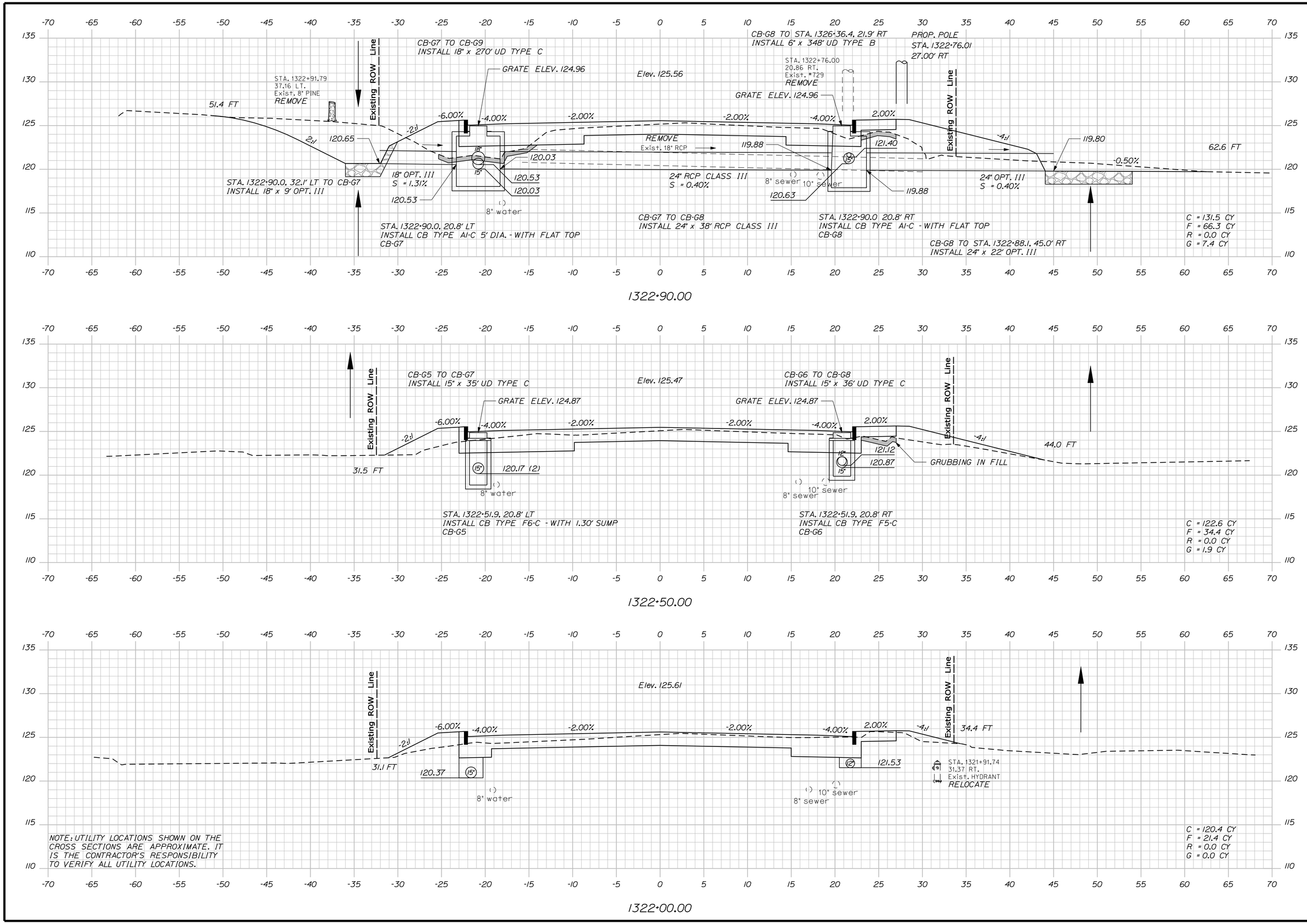
SHEET NUMBER

87

OF 187

Sta. 1320+50.00 to Sta. 1321+50.00

Filename: ...\MSTA\087_XSECT_1320+50_005.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

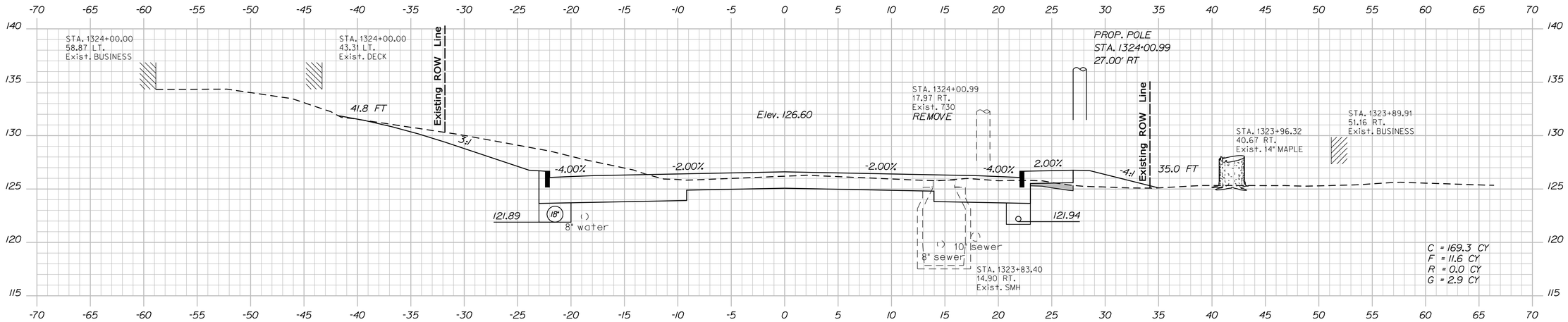
ELLSWORTH
US ROUTE 1A (NHS)

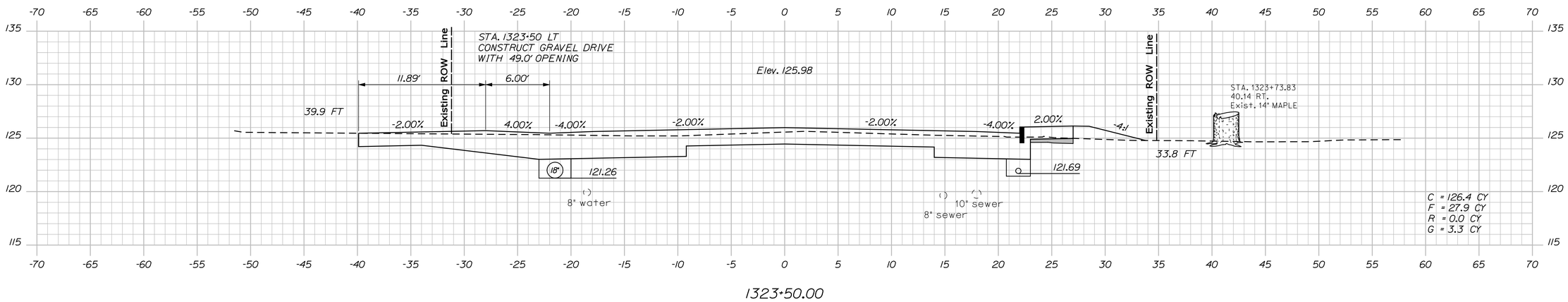
CROSS SECTIONS

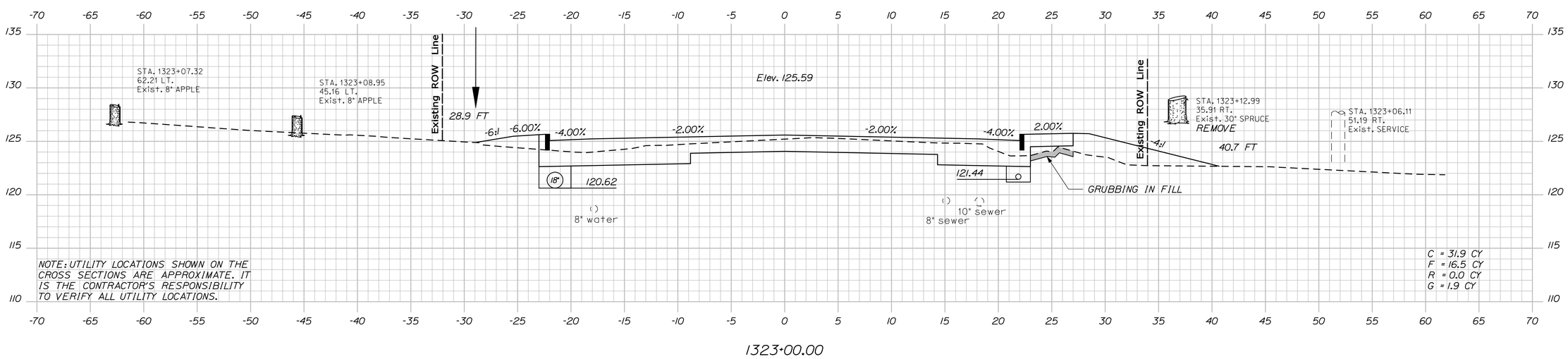
SHEET NUMBER
88
OF 187

Sta. 1322+00.00 to Sta. 1322+90.00

Filename: ...\MSTA\088_XSECT_1322-00_006.dgn Division: Highway Username: jhilton Date:3/22/2016







NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

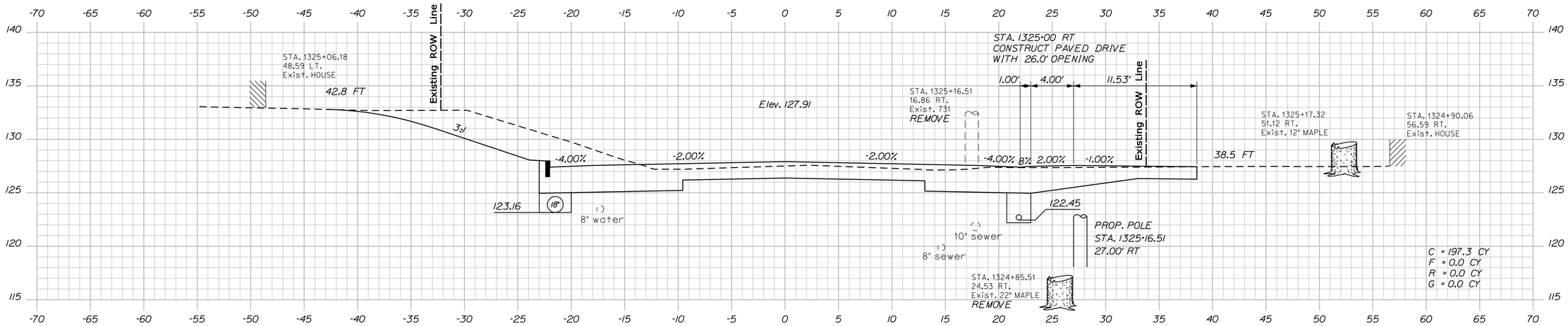
ELLSWORTH
US ROUTE 1A (NHS)

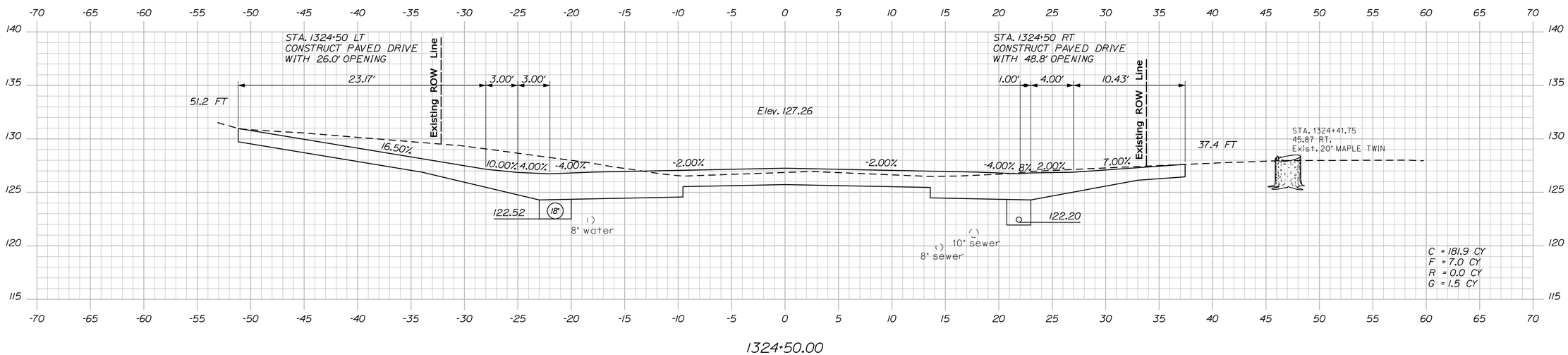
CROSS SECTIONS

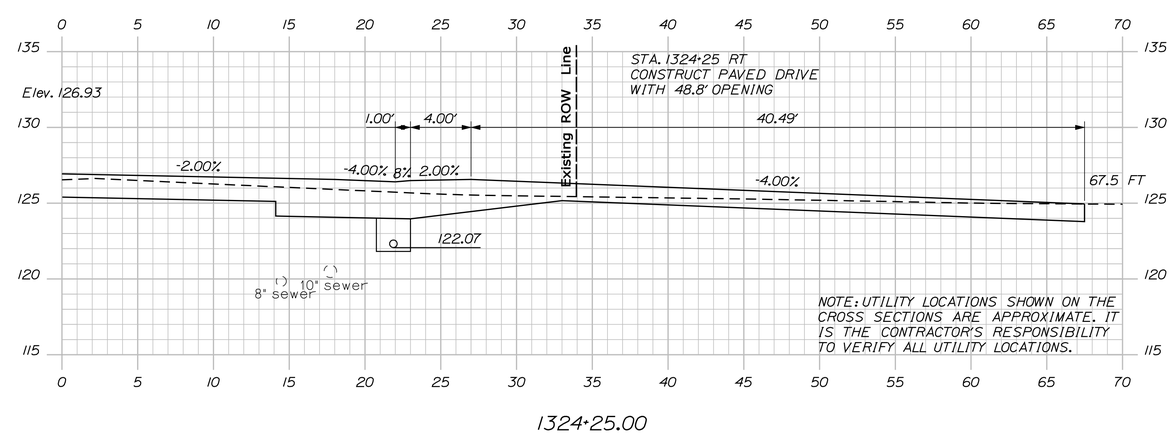
SHEET NUMBER
89
OF 187

Sta. 1323+00.00 to Sta. 1324+00.00

Filename: ...\MSTA\089_XSECT_1323+00_007.dgn Division: Highway Username: jhilton Date:3/22/2016







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

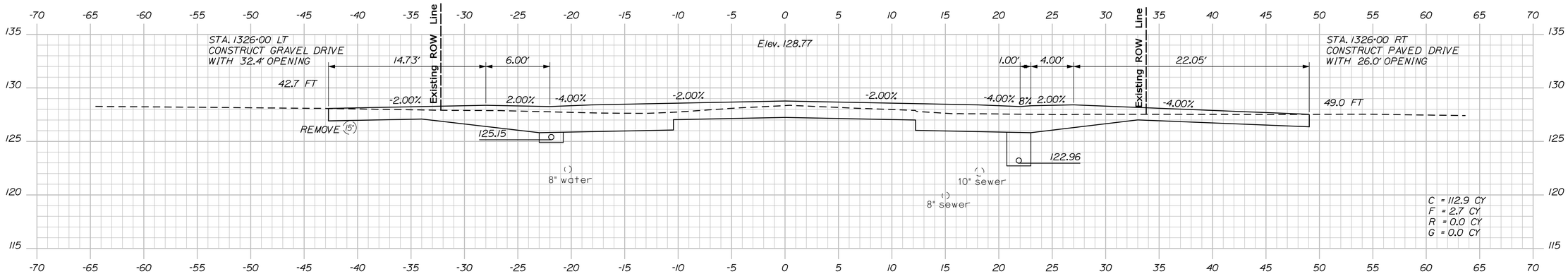
SHEET NUMBER

90

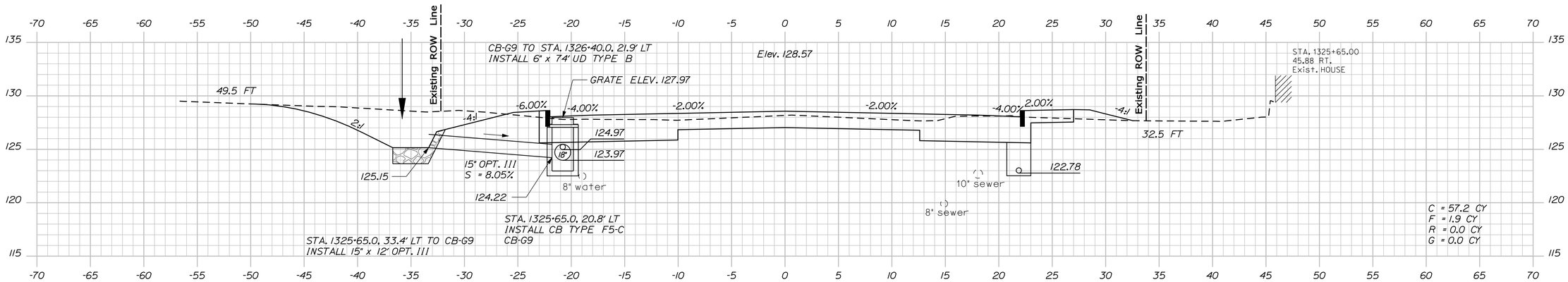
OF 187

Sta. 1324+25.00 to Sta. 1325+00.00

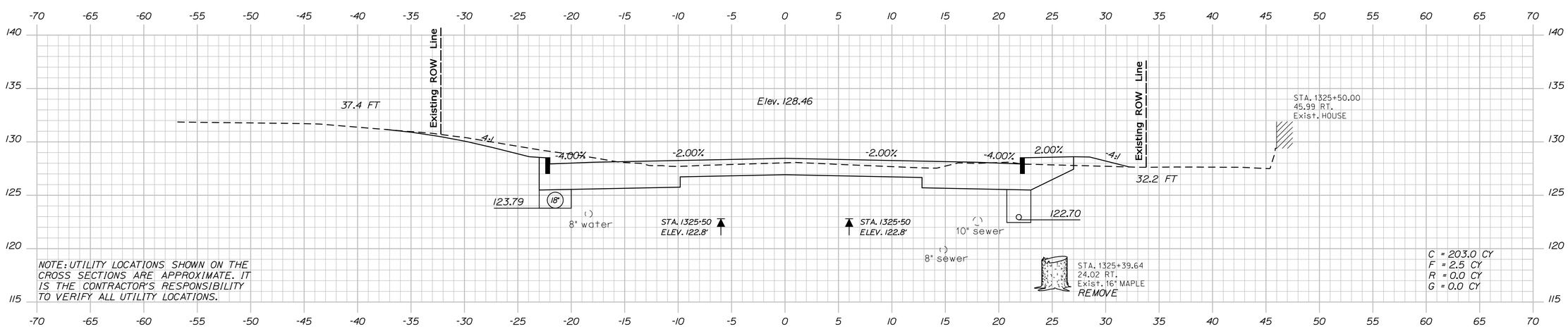
Filename: ...\MSTA\090_XSECT_1324+25_008.dgn Division: Highway Username: jhilton Date:3/22/2016



1326+00.00



1325+65.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1325+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

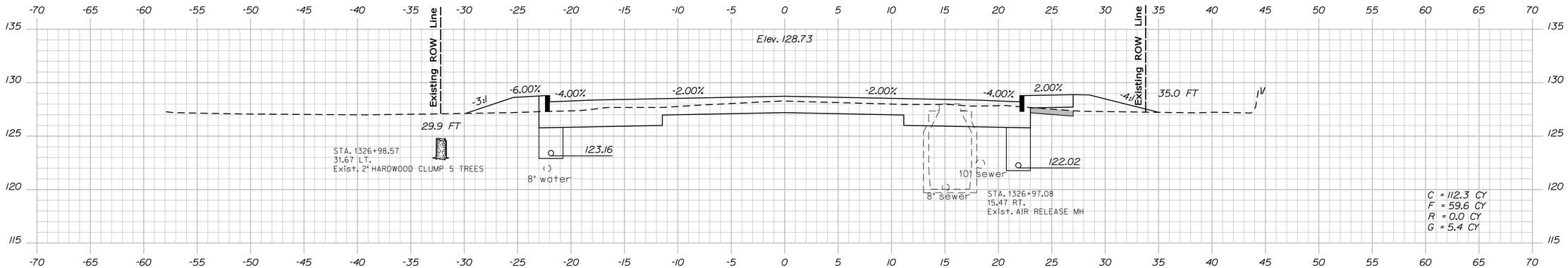
SHEET NUMBER

91

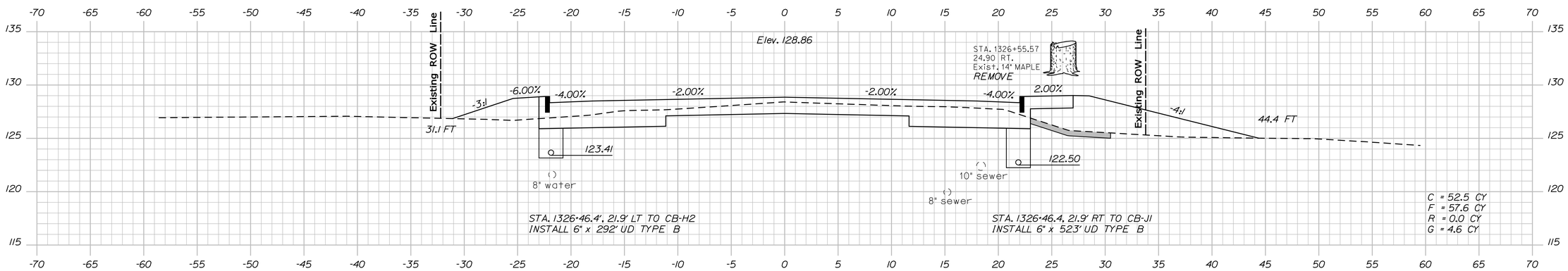
OF 187

Sta. 1325+50.00 to Sta. 1326+00.00

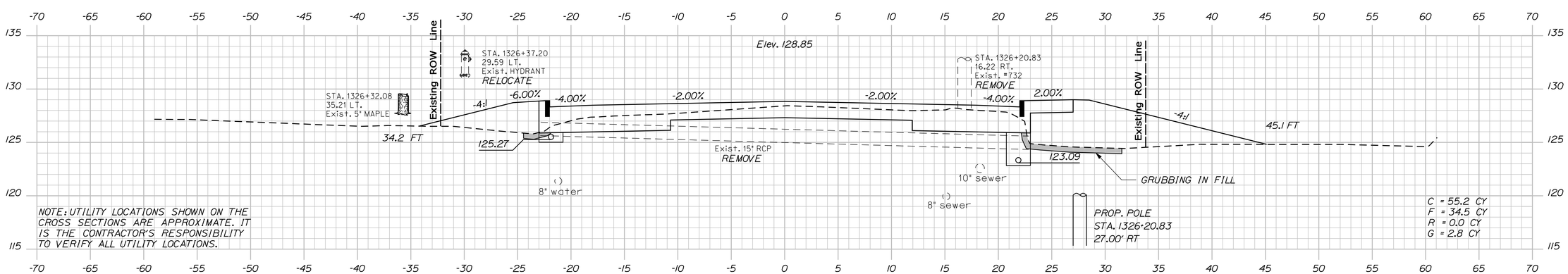
Filename: ...\MSTA\091_XSECT_1325+50_009.dgn Division: Highway Username: jhilton Date:3/22/2016



1327+00.00



1326+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1326+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

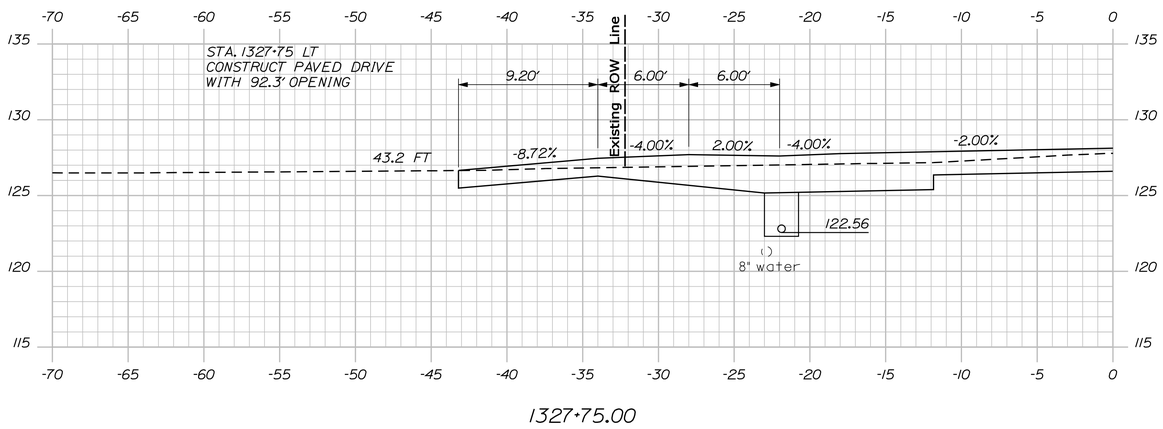
ELLSWORTH
US ROUTE 1A (NHS)

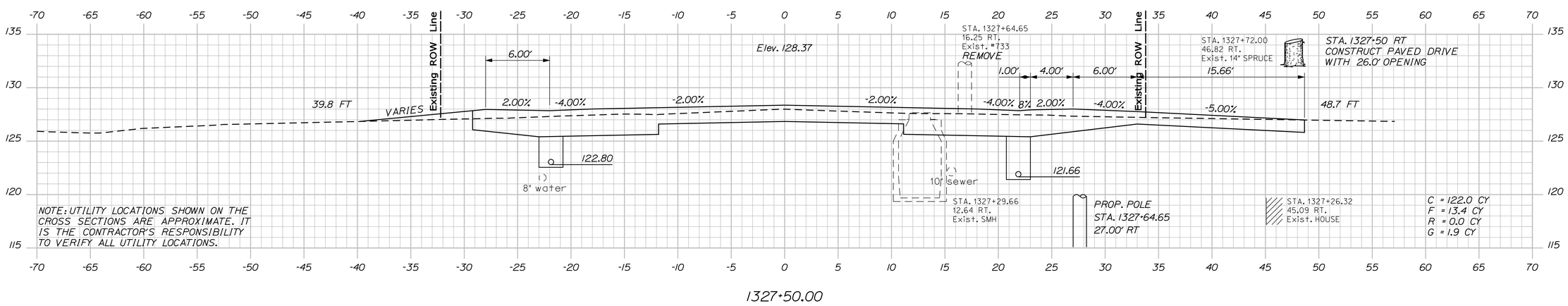
CROSS SECTIONS

SHEET NUMBER
92
OF 187

Sta. 1326+25.00 to Sta. 1327+00.00

Filename: ...\MSTA\092_XSECT_1326+25_010.dgn Division: Highway Username: jhilton Date:3/22/2016





Sta. 1327+50.00 to Sta. 1327+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

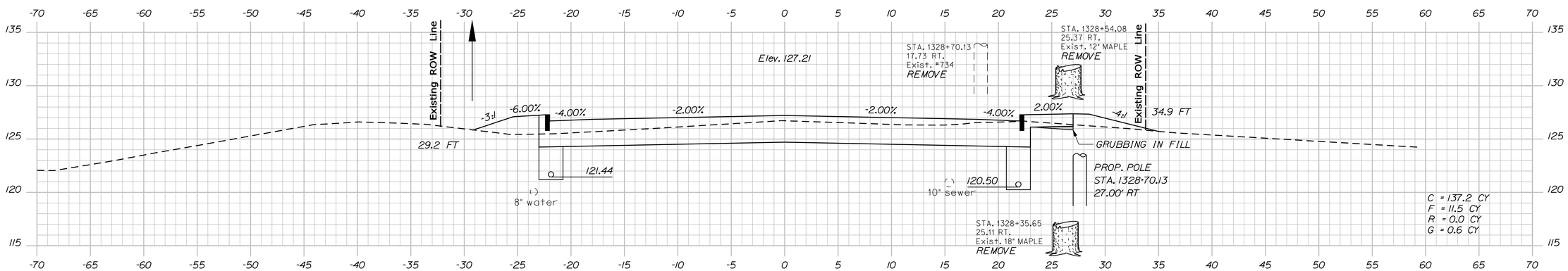
DATE

ELLSWORTH
US ROUTE 1A (NHS)

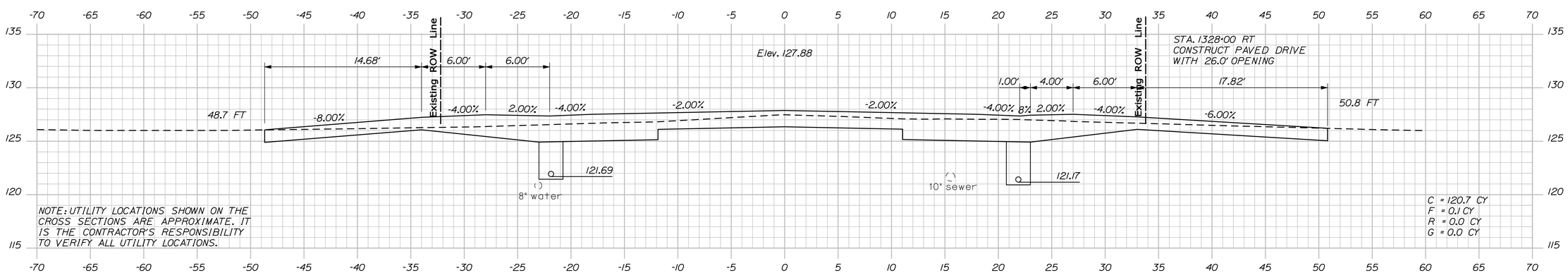
CROSS SECTIONS

SHEET NUMBER
93
OF 187

Filename: ...\MSTA\093_XSECT_1327+50_011.dgn Division: Highway Username: jhilton Date:3/22/2016



1328+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1328+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

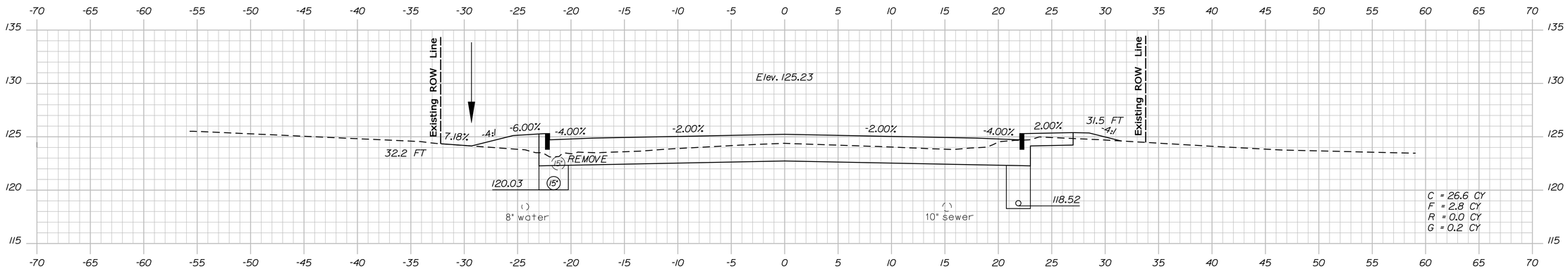
SHEET NUMBER

94

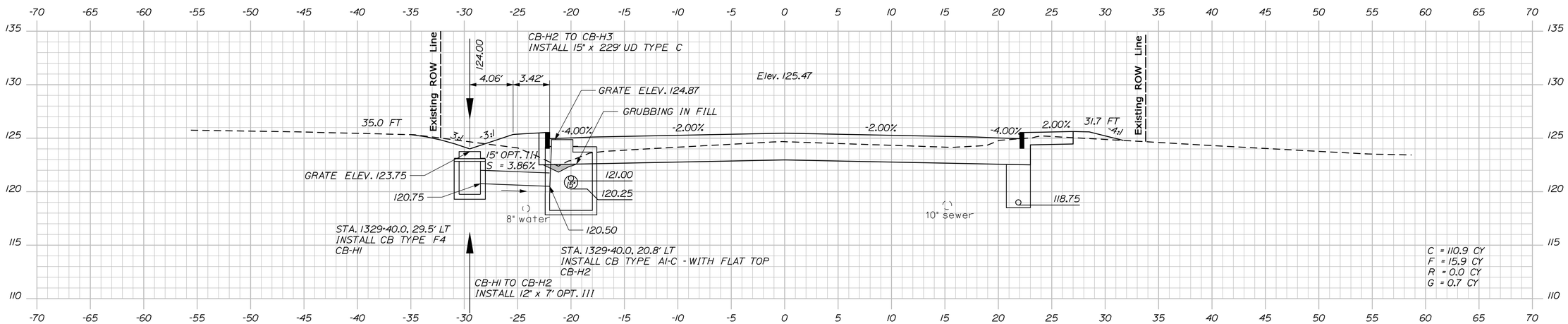
OF 187

Sta. 1328+00.00 to Sta. 1328+50.00

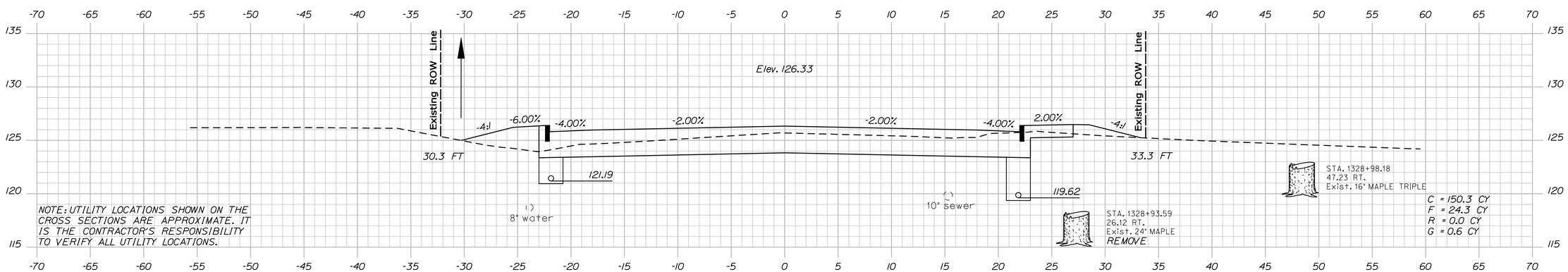
Filename: ...\MSTA\094_XSECT_1328+00_012.dgn Division: Highway Username: jhilton Date:3/22/2016



1329+50.00



1329+40.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1329+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

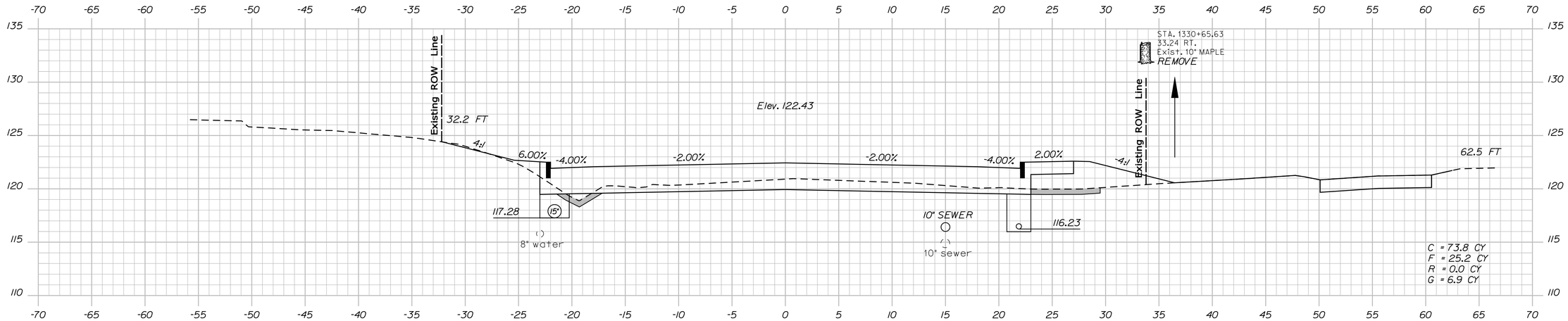
SHEET NUMBER

95

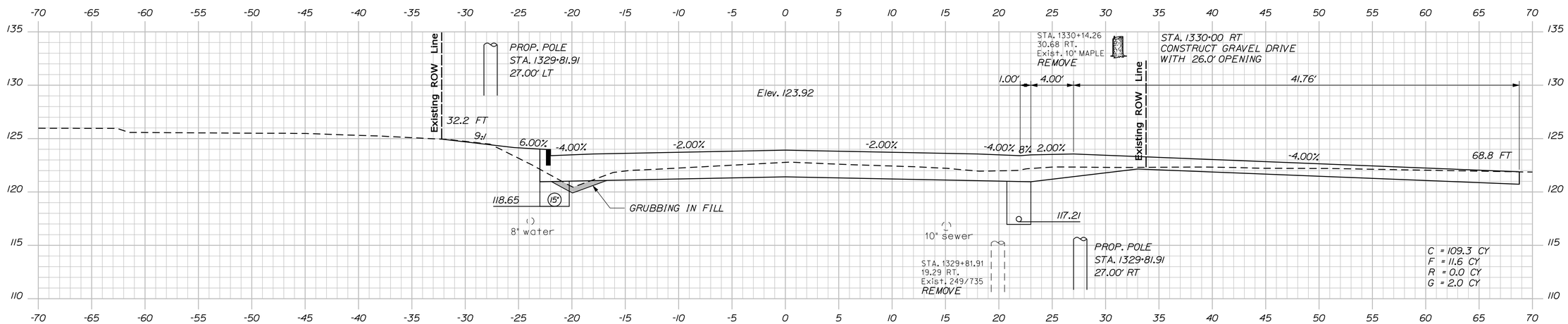
OF 187

Filename: ...\MSTA\095_XSECT_1329+00_013.dgn Division: Highway Username: jhilton Date:3/22/2016

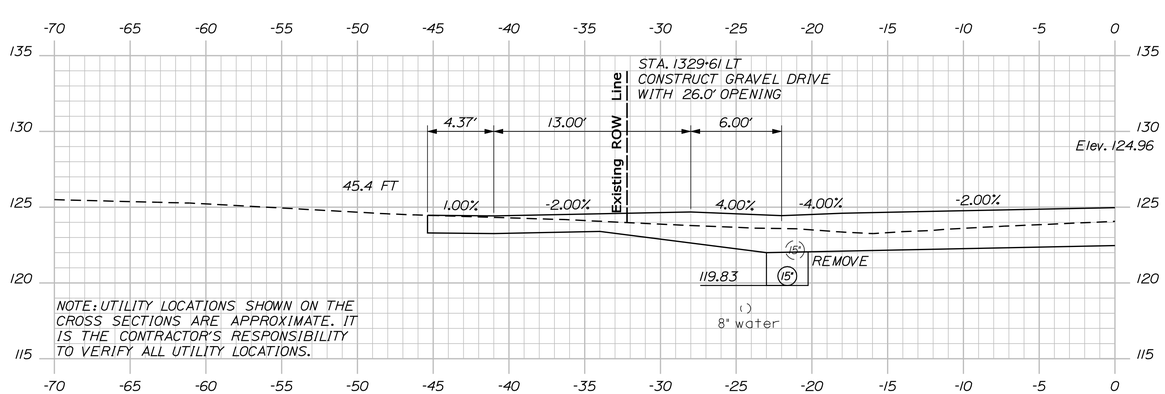
Sta. 1329+00.00 to Sta. 1329+50.00



1330+50.00



1330+00.00



1329+61.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

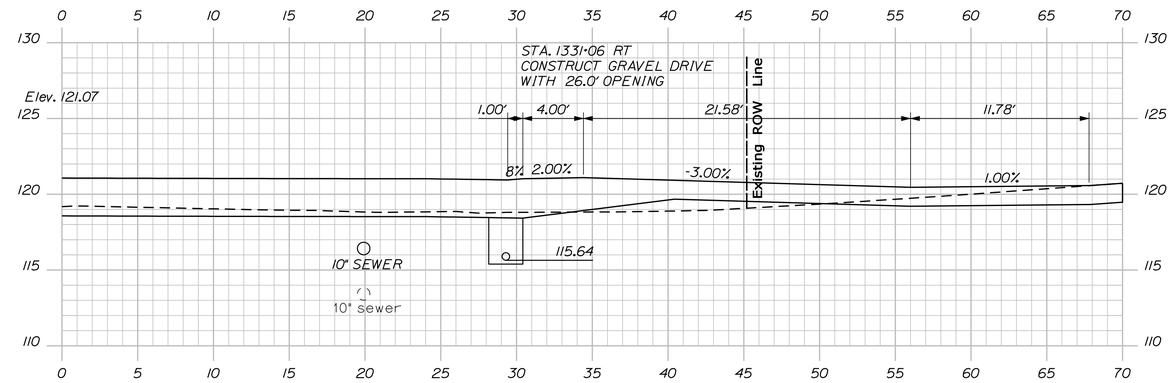
SHEET NUMBER

96

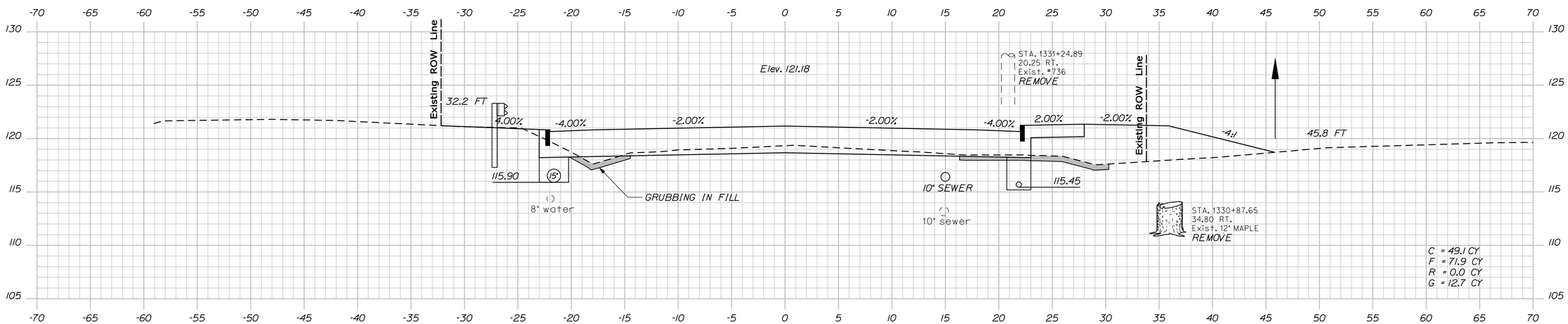
OF 187

Sta. 1329+61.00 to Sta. 1330+50.00

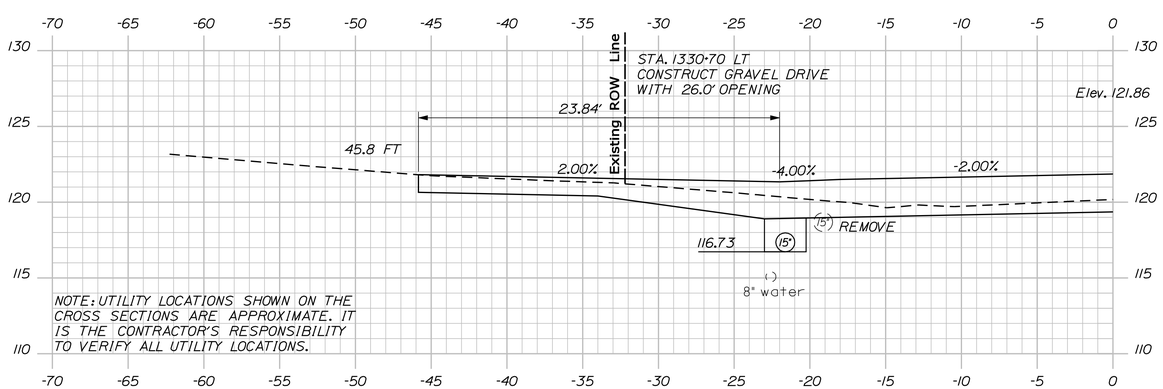
Filename: ...\MSTA\096_XSECT_1329+61_014.dgn Division: Highway Username: jhilton Date:3/22/2016



1331+06.00 (SKEWED)



1331+00.00



1330+70.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

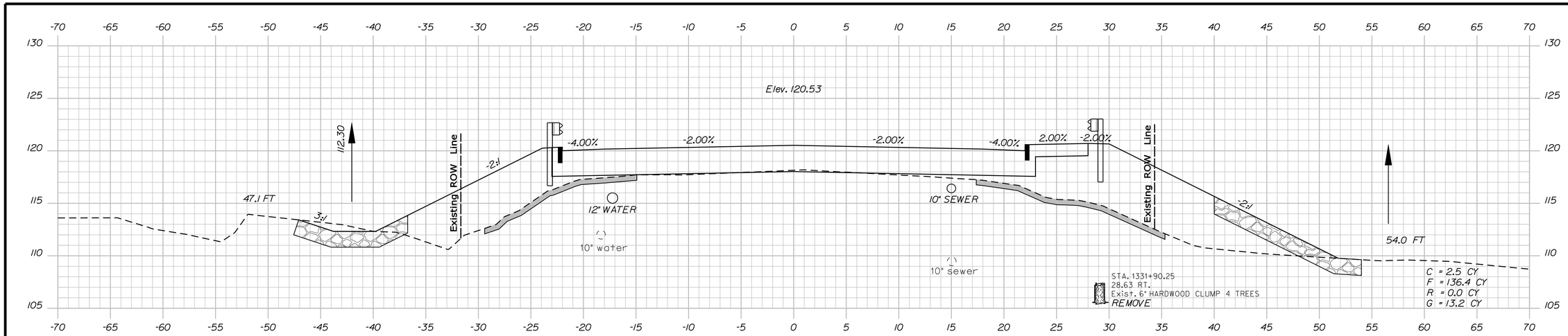
SHEET NUMBER

97

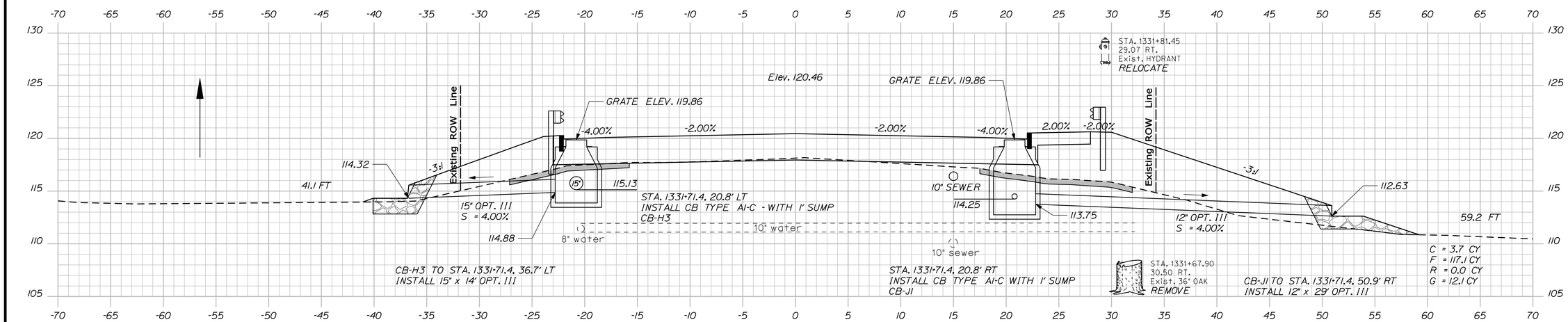
OF 187

Filename: ...\MSTA\097_XSECT_1330+70_015.dgn Division: Highway Username: jhilton Date:3/22/2016

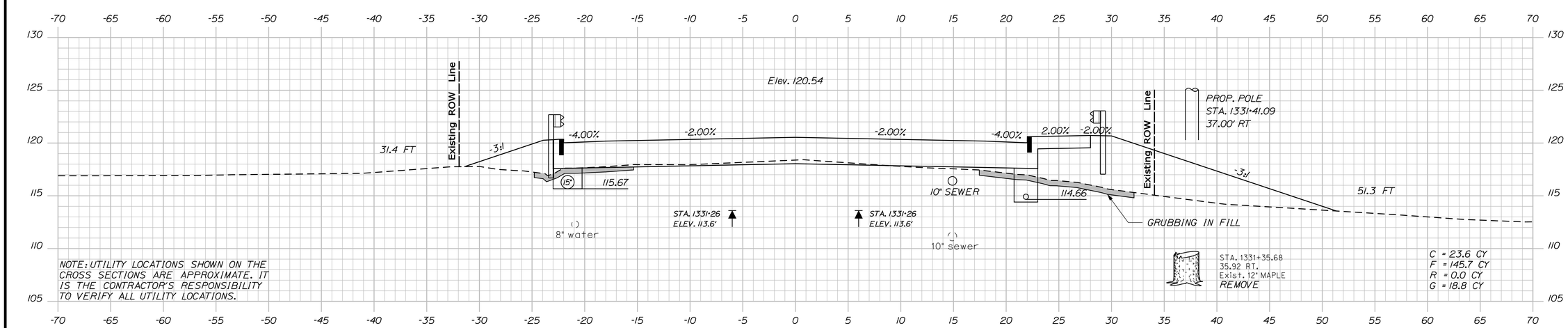
Sta. 1330+70.00 to Sta. 1331+06.00



1332+00.00



1331+71.40



1331+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

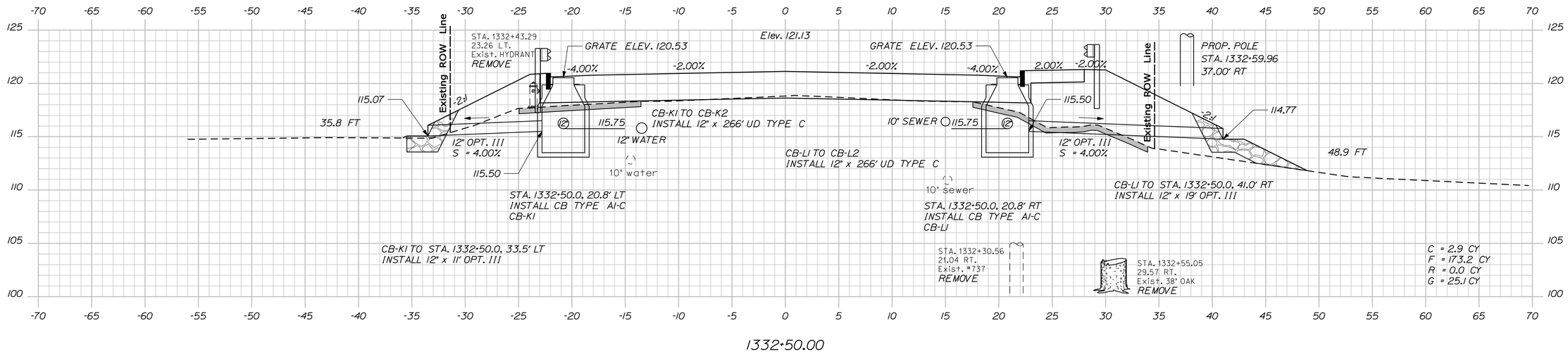
SHEET NUMBER

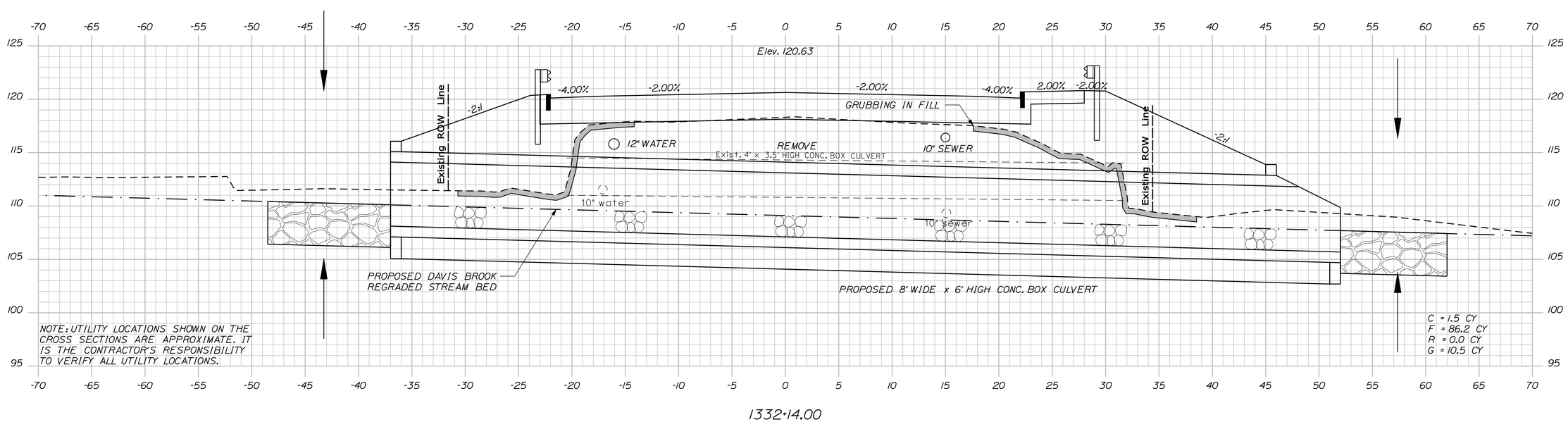
98

OF 187

Filename: ...\MSTA\098_XSECT_1331+50_016.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1331+50.00 to Sta. 1332+00.00





NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

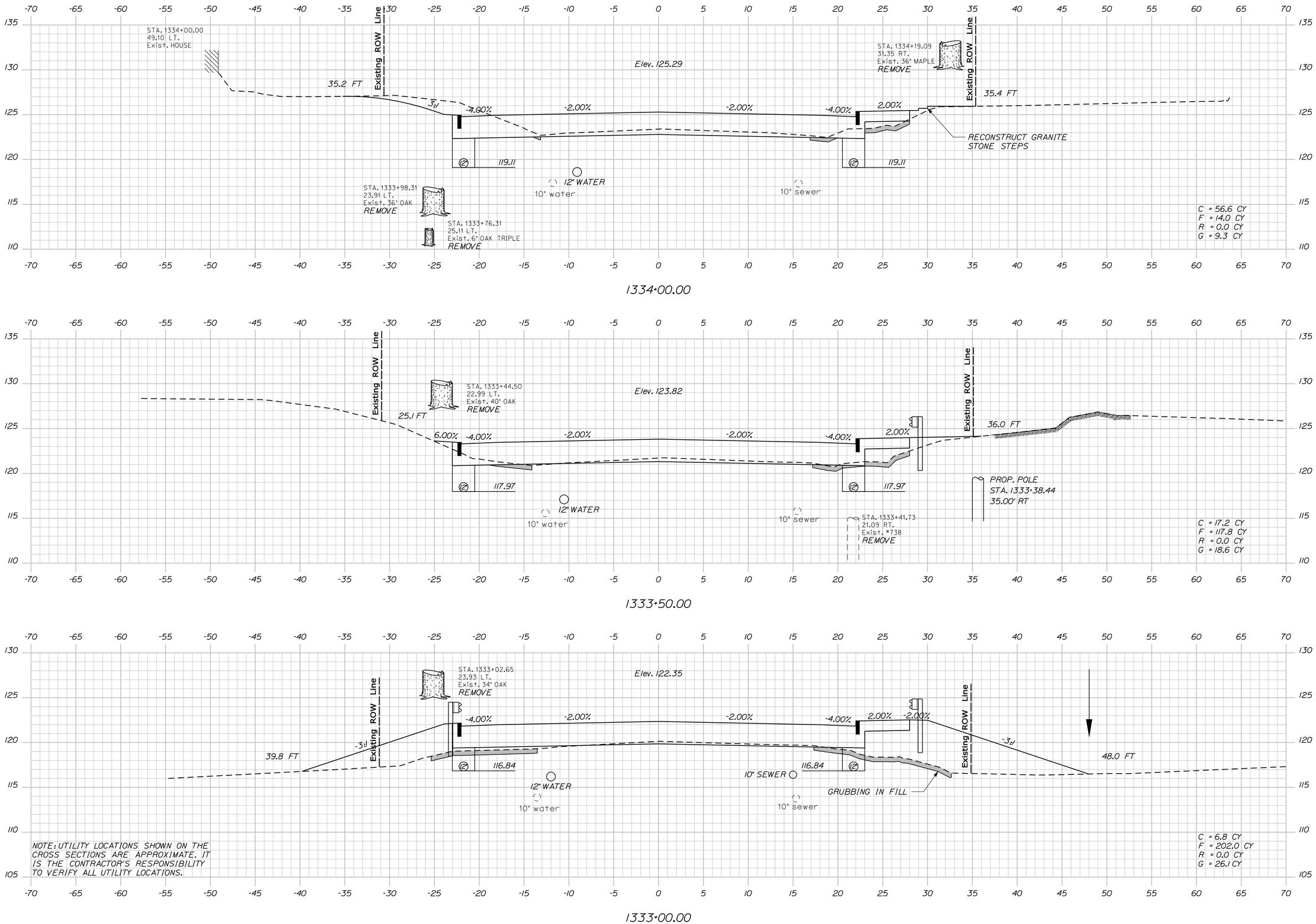
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER
99
OF 187

Sta. 1332+14.00 to Sta. 1332+50.00

Filename: ...\MSTA\099_XSECT_1332+14_017.dgn Division: Highway Username: jhilton Date:3/22/2016



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

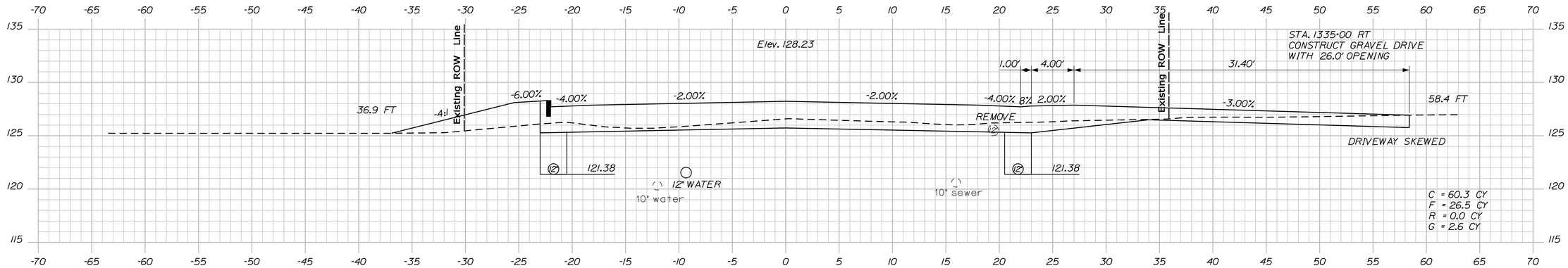
SHEET NUMBER

100

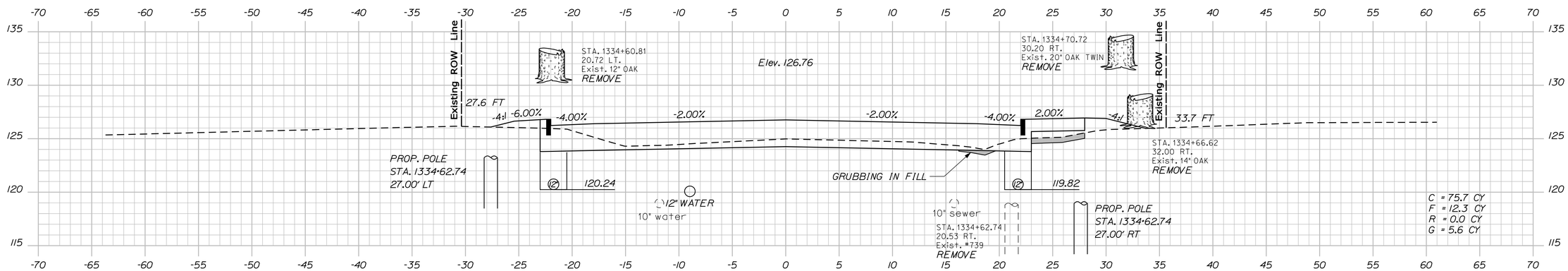
OF 187

Sta. 1333+00.00 to Sta. 1334+00.00

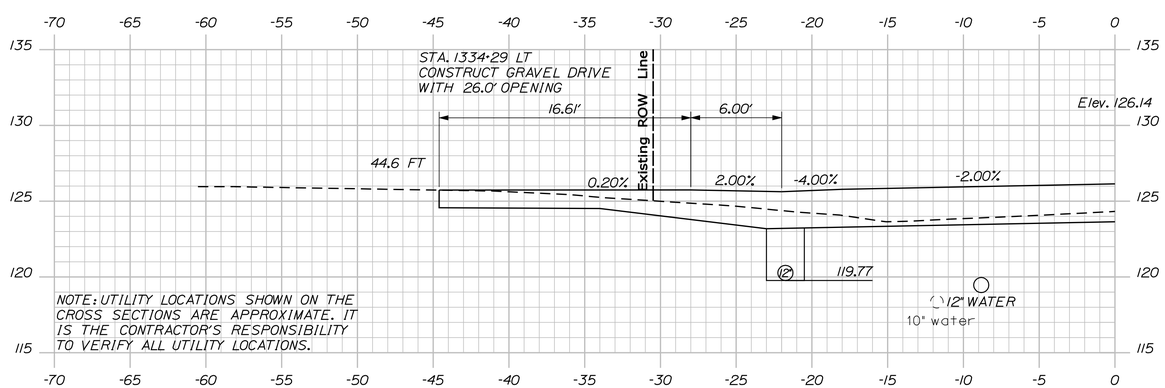
Filename: ...\MSTA\100_XSECT_1333+00_018.dgn Division: Highway Username: jhilton Date:3/22/2016



1335+00.00



1334+50.00



1334+29.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

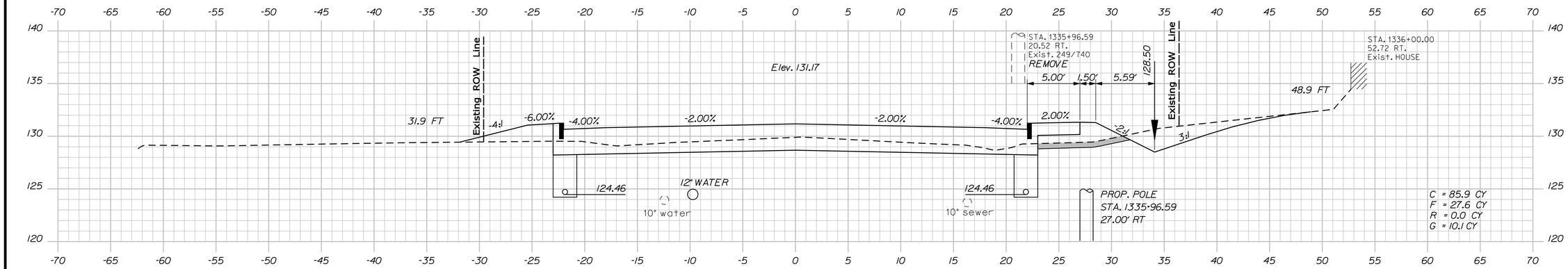
SHEET NUMBER

101

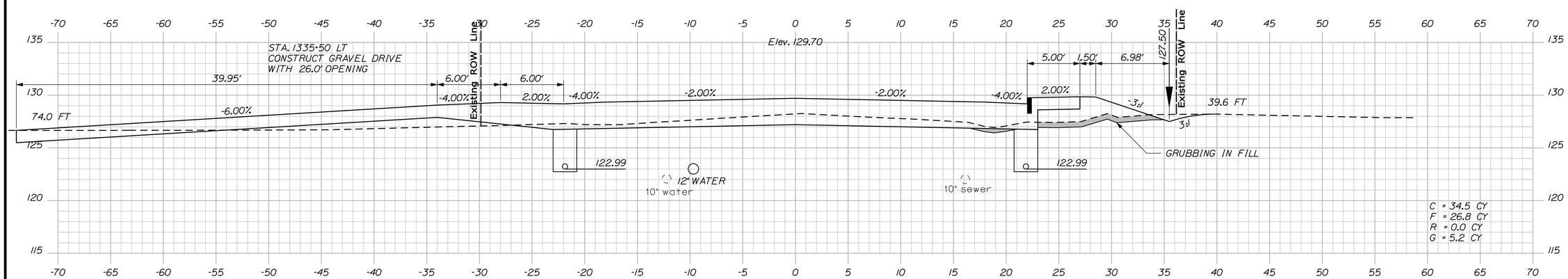
OF 187

Filename: ...\MSTA\101_XSECT_1334-29_019.dgn Division: Highway Username: jhilton Date:3/22/2016

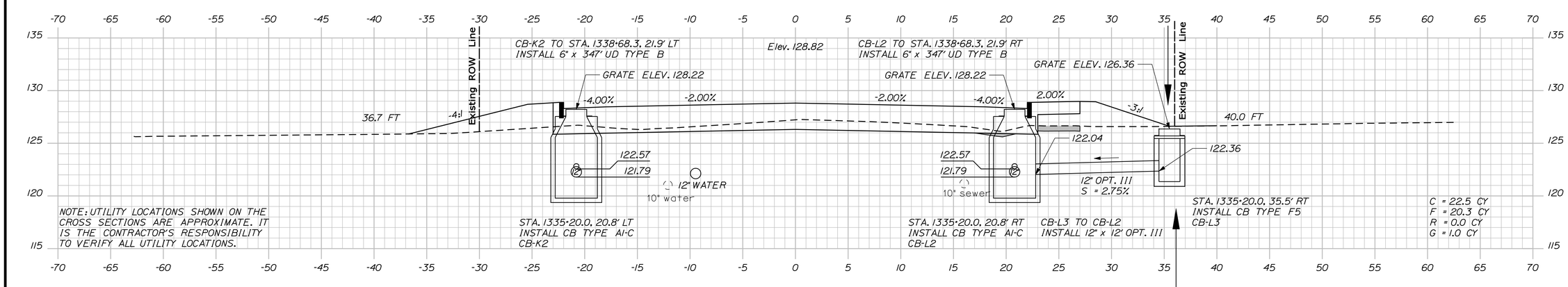
Sta. 1334+29.00 to Sta. 1335+00.00



1336+00.00



1335+50.00



1335+20.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

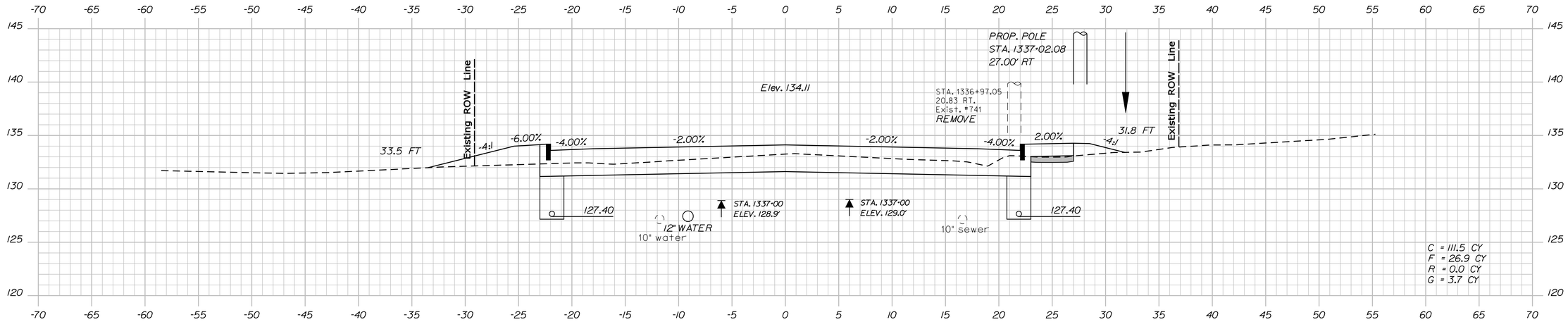
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

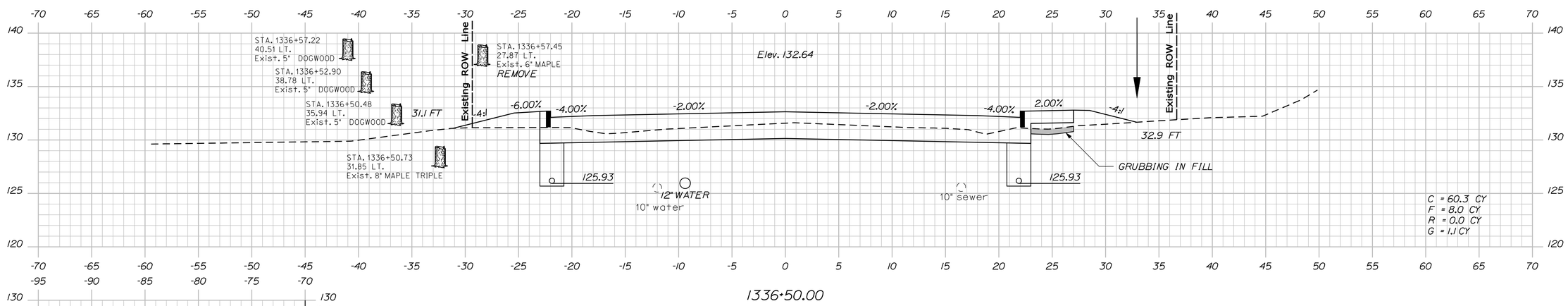
SHEET NUMBER
102
OF 187

Sta. 1335+20.00 to Sta. 1336+00.00

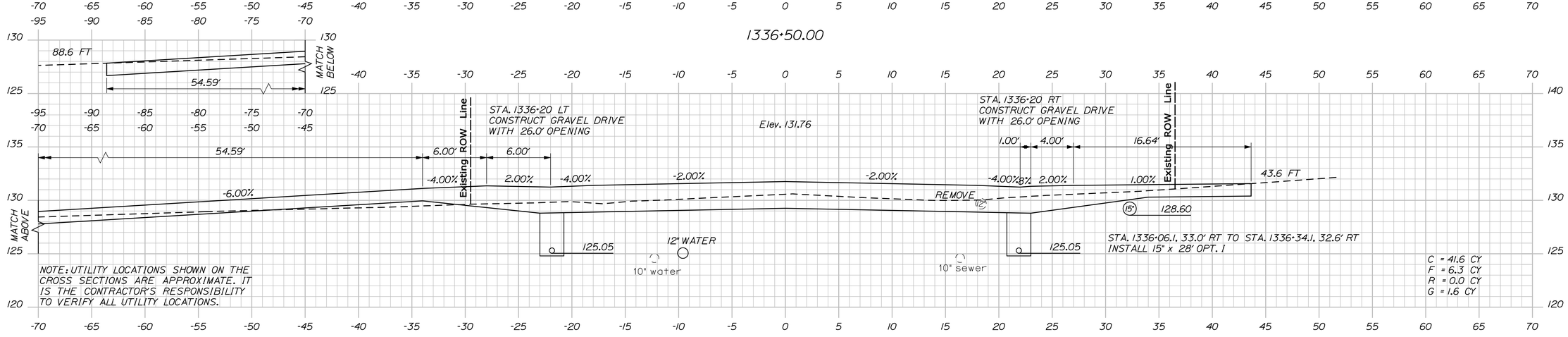
Filename: ...\MSTA\102_XSECT_1335+20_020.dgn Division: Highway Username: jhilton Date:3/22/2016



1337+00.00



1336+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1336+20.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

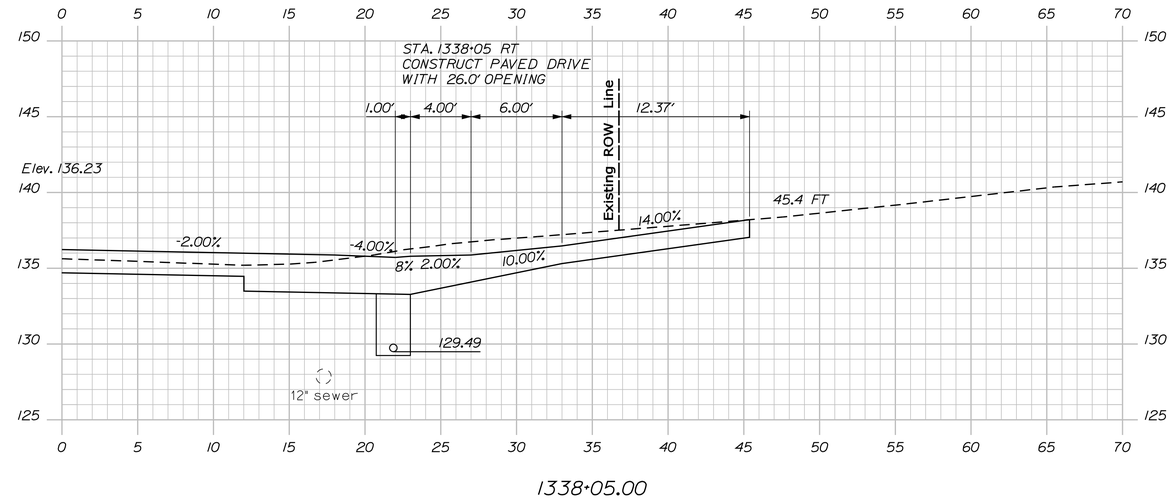
SHEET NUMBER

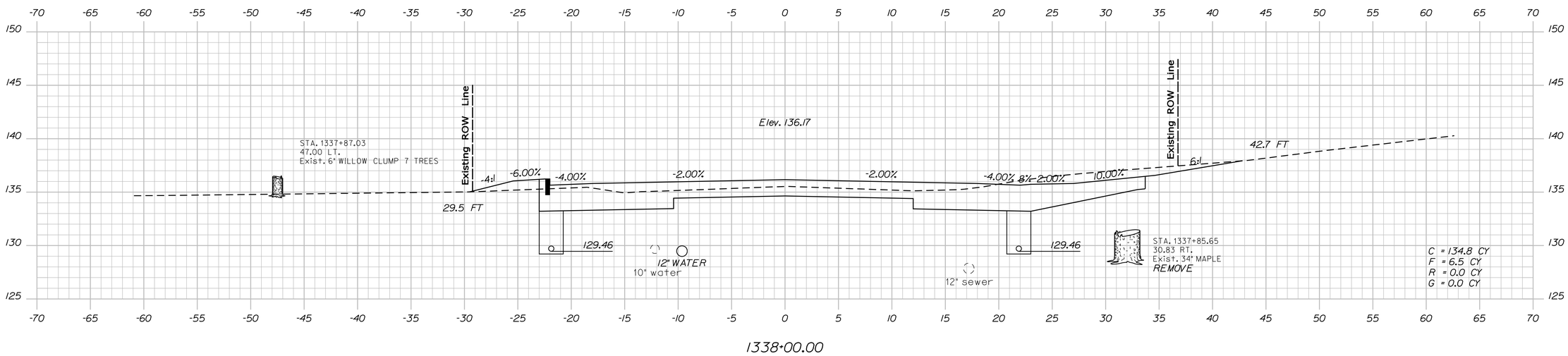
103

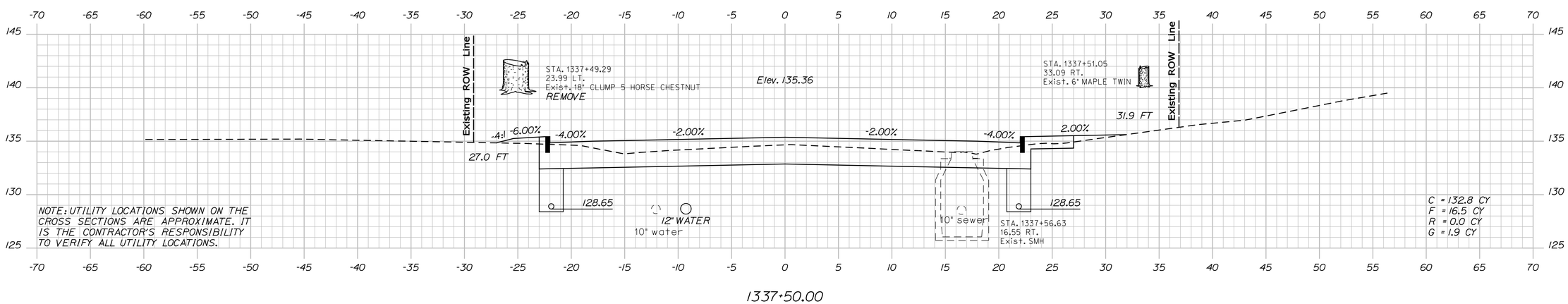
OF 187

Sta. 1336+20.00 to Sta. 1337+00.00

Filename: ...\MSTA\103_XSECT_1336+20_021.dgn Division: Highway Username: jhilton Date:3/22/2016







NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

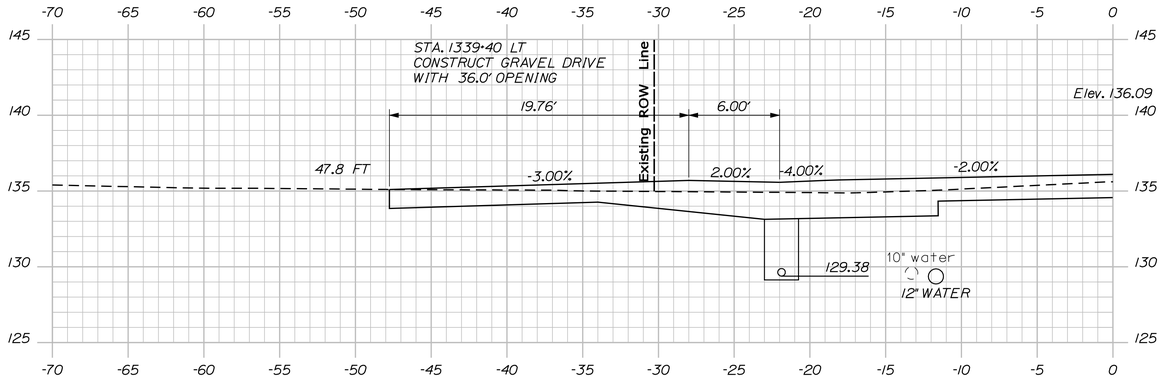
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

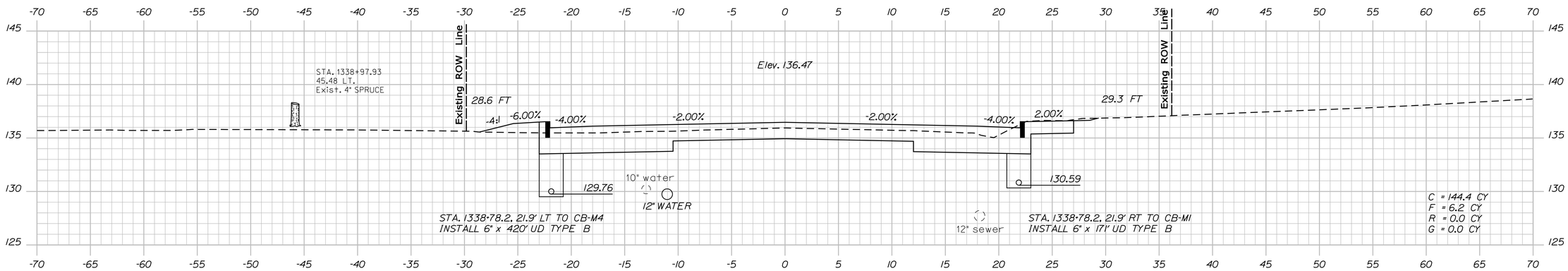
SHEET NUMBER
104
OF 187

Filename: ...\MSTA\104_XSECT_1337+50_022.dgn Division: Highway Username: jhilton Date:3/22/2016

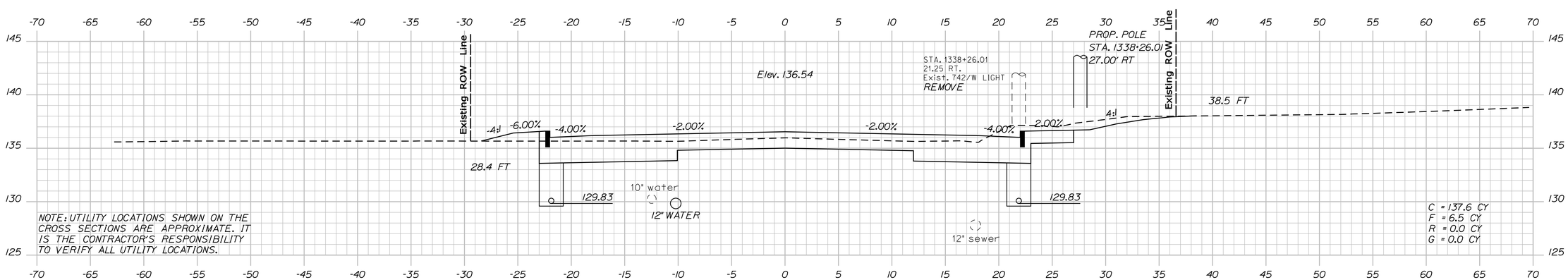
Sta. 1337+50.00 to Sta. 1338+05.00



1339+40.00



1339+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1338+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

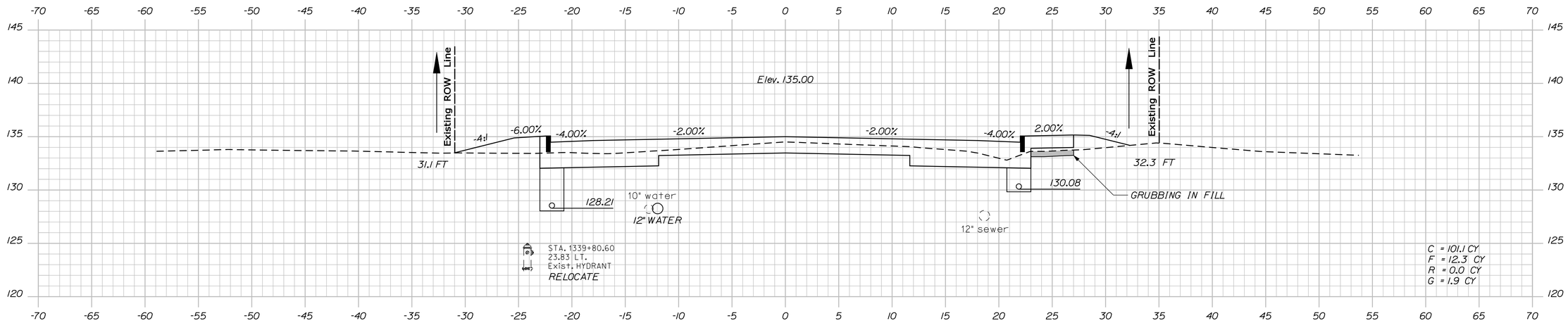
SHEET NUMBER

105

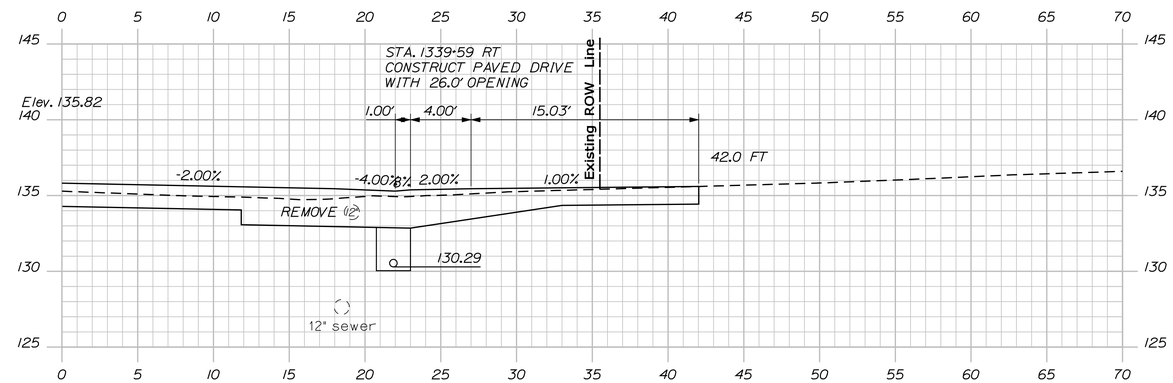
OF 187

Sta. 1338+50.00 to Sta. 1339+40.00

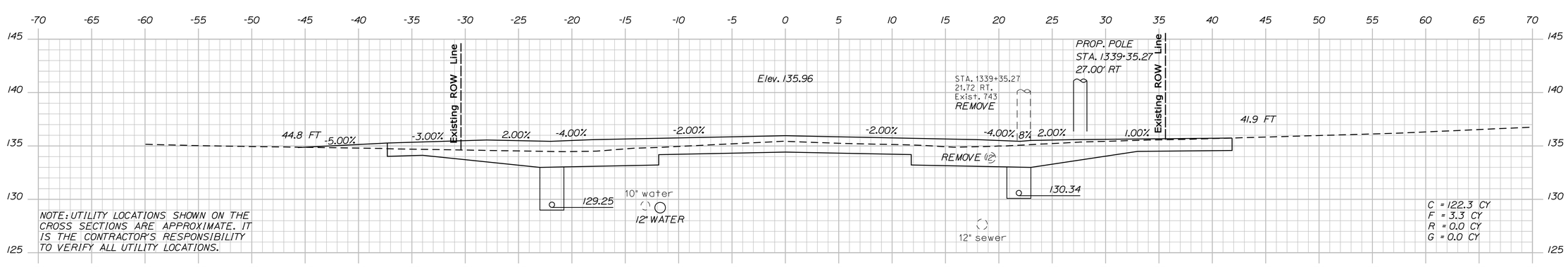
Filename: ...\MSTA\105_XSECT_1338+50_001.dgn Division: Highway Username: jhilton Date:3/22/2016



1340+00.00



1339+59.00



1339+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

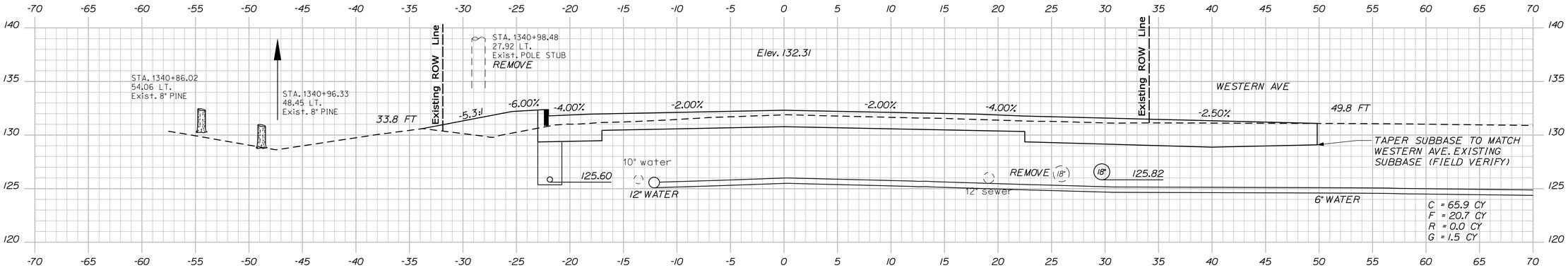
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

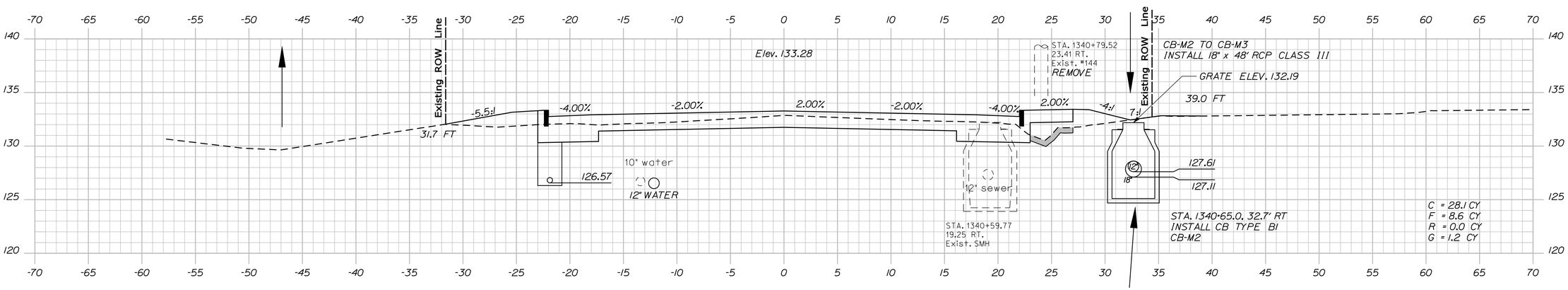
SHEET NUMBER
106
OF 187

Filename: ...\MSTA\106_XSECT_1339+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016

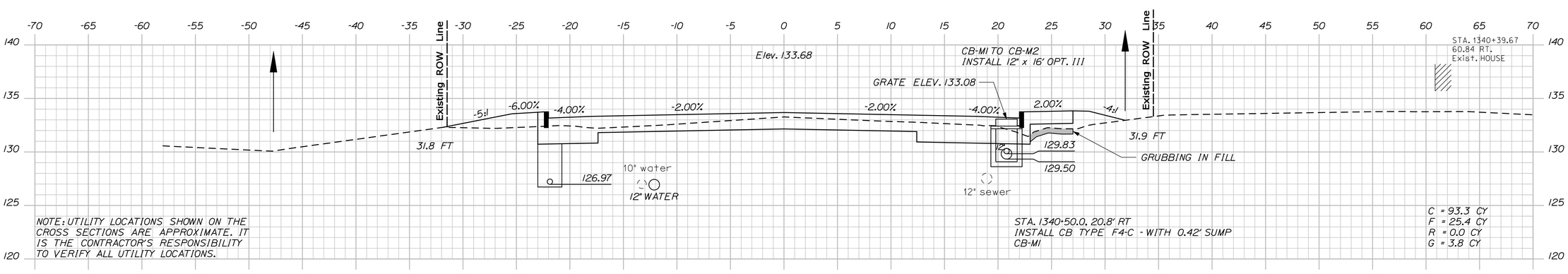
Sta. 1339+50.00 to Sta. 1340+00.00



1341+00.00



1340+65.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1340+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

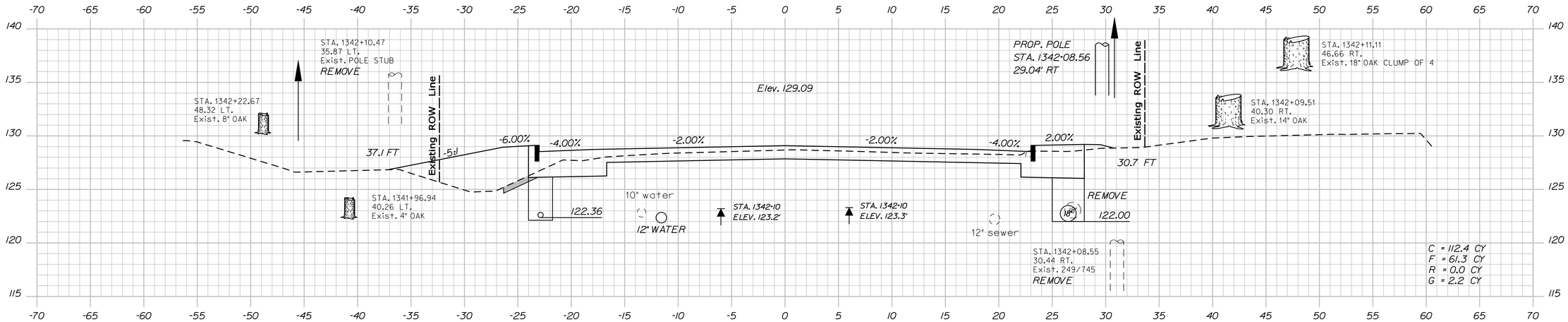
SHEET NUMBER

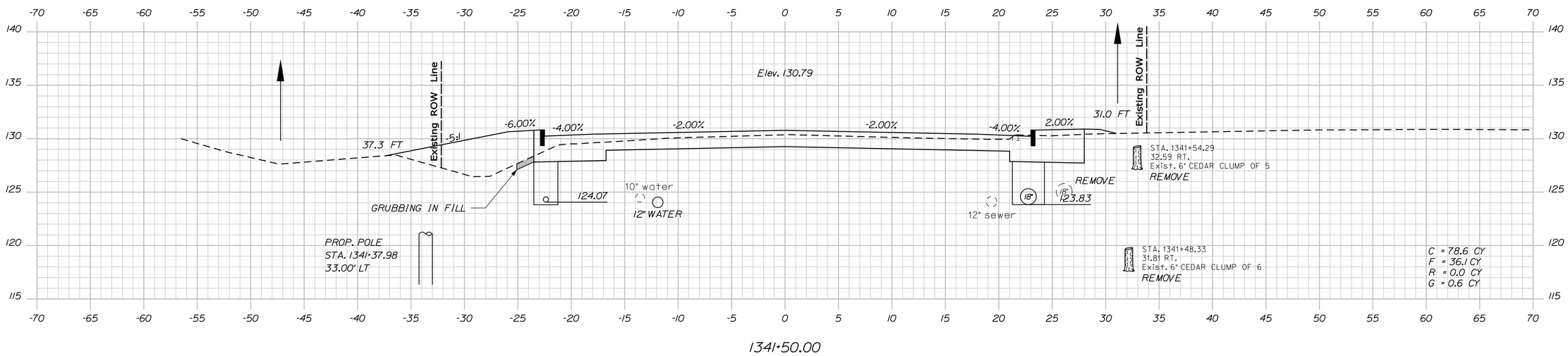
107

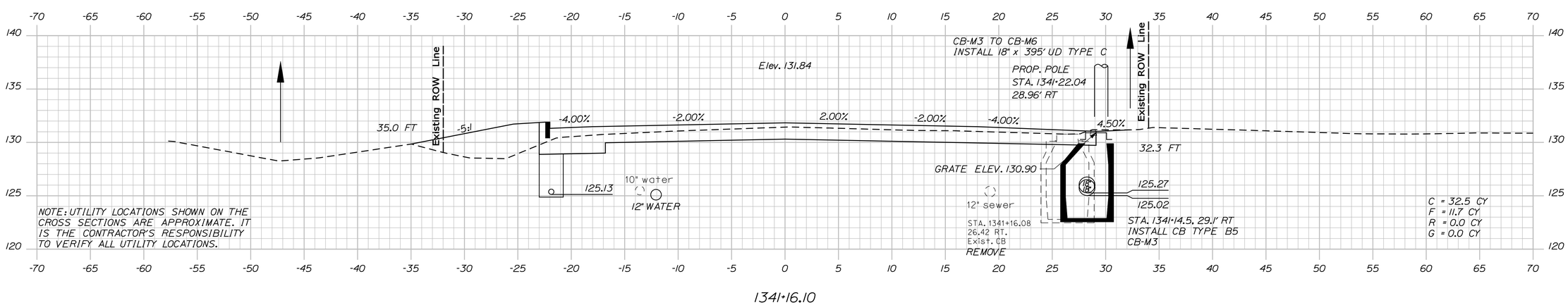
OF 187

Filename: ...\MSTA\107_XSECT_1340+50_003.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1340+50.00 to Sta. 1341+00.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

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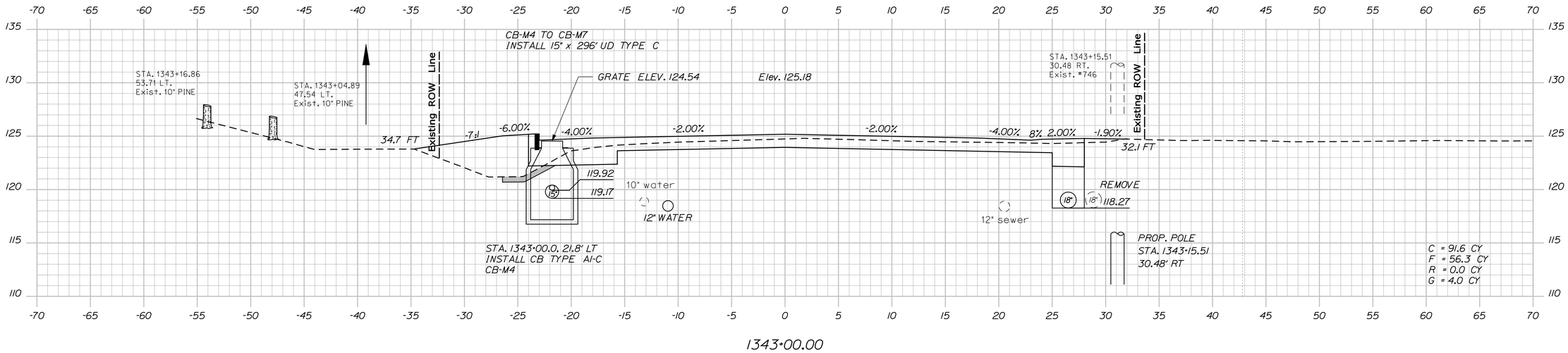
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

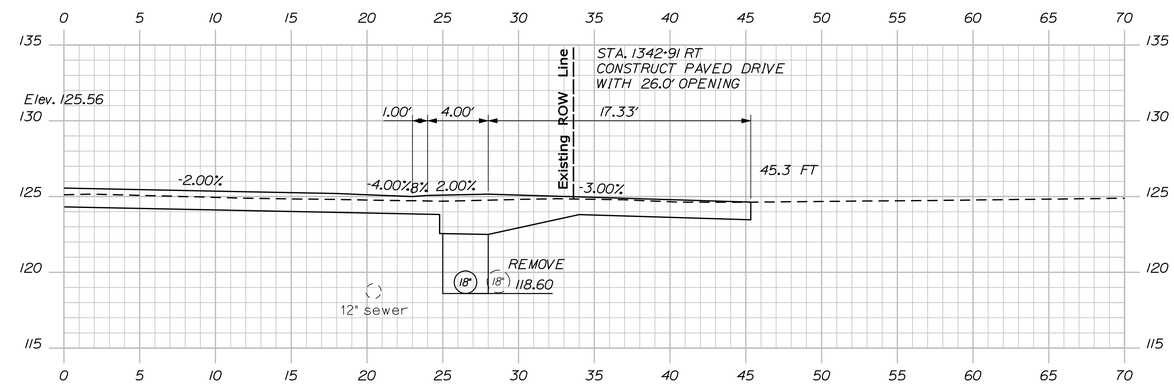
SHEET NUMBER
108
OF 187

Sta. 1341+16.10 to Sta. 1342+00.00

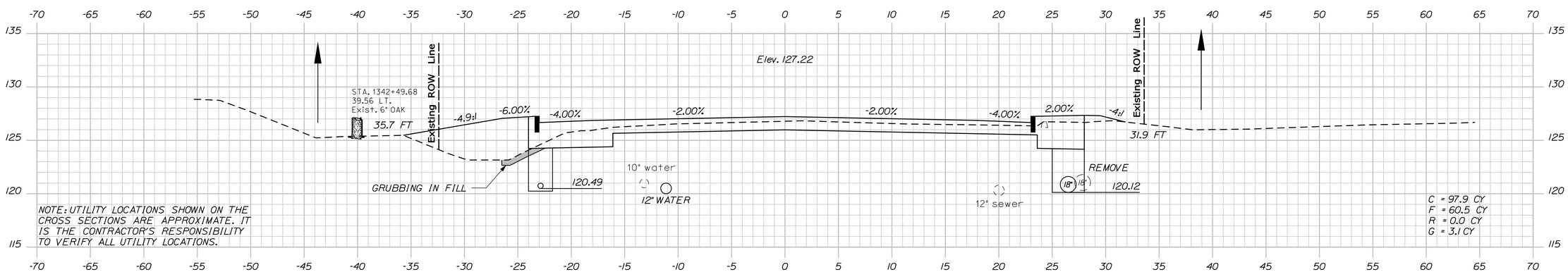
Filename: ...\MSTA\108_XSECT_1341+16_004.dgn Division: Highway Username: jhilton Date:3/22/2016



1343+00.00



1342+91.00



1342+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

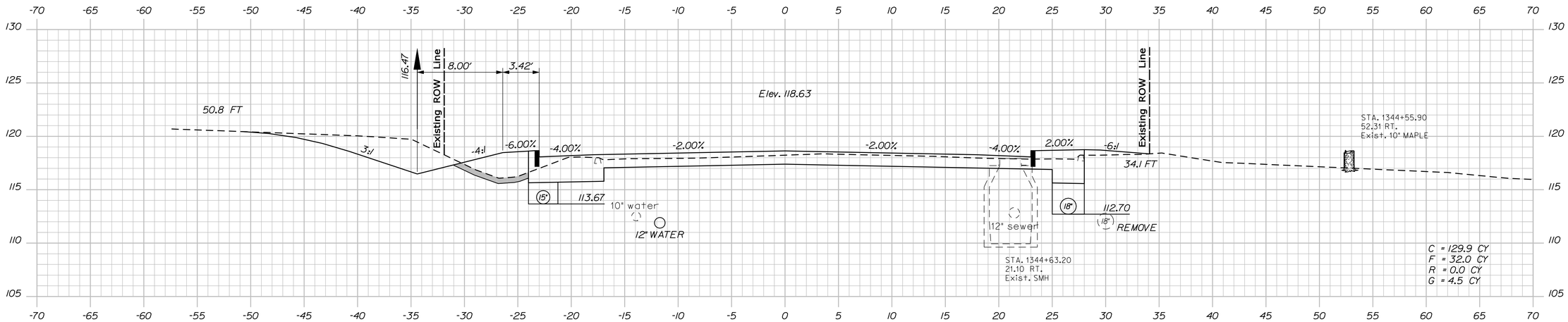
SHEET NUMBER

109

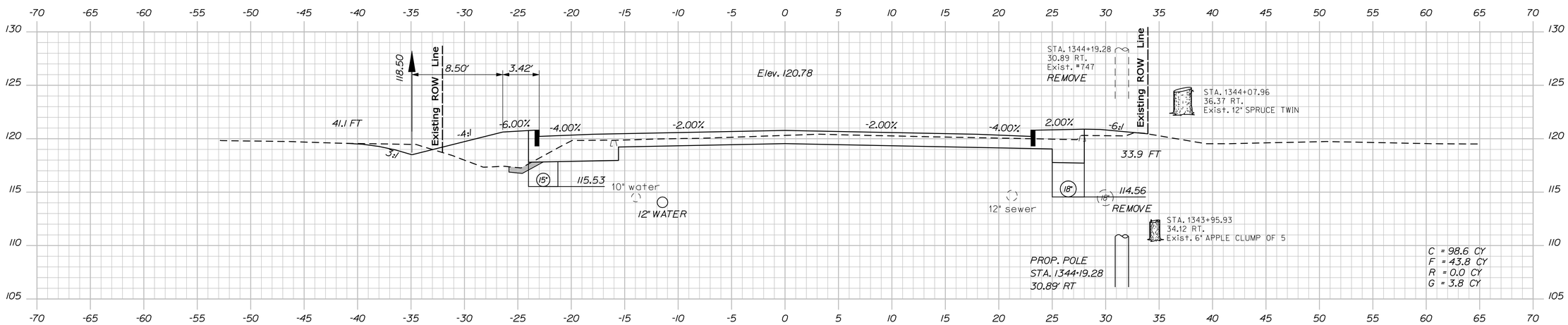
OF 187

Sta. 1342+50.00 to Sta. 1343+00.00

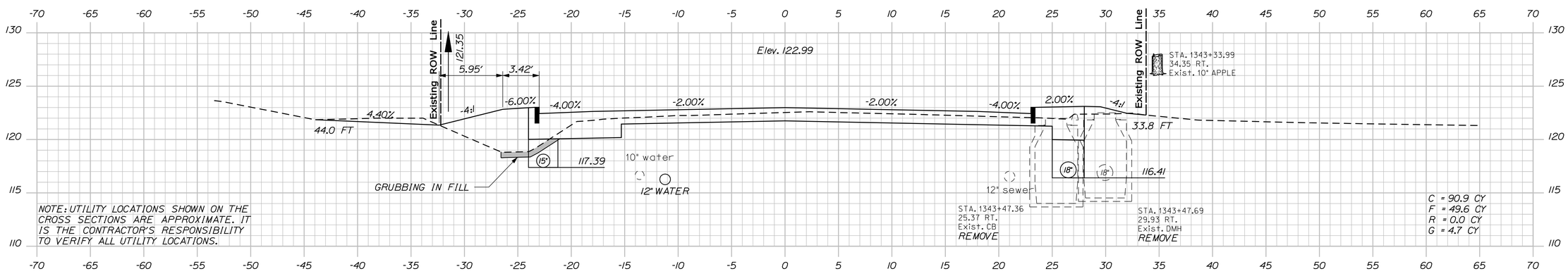
Filename: ...\MSTA\109_XSECT_1342+50_005.dgn Division: Highway Username: jhilton Date:3/22/2016



1344+50.00



1344+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1343+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

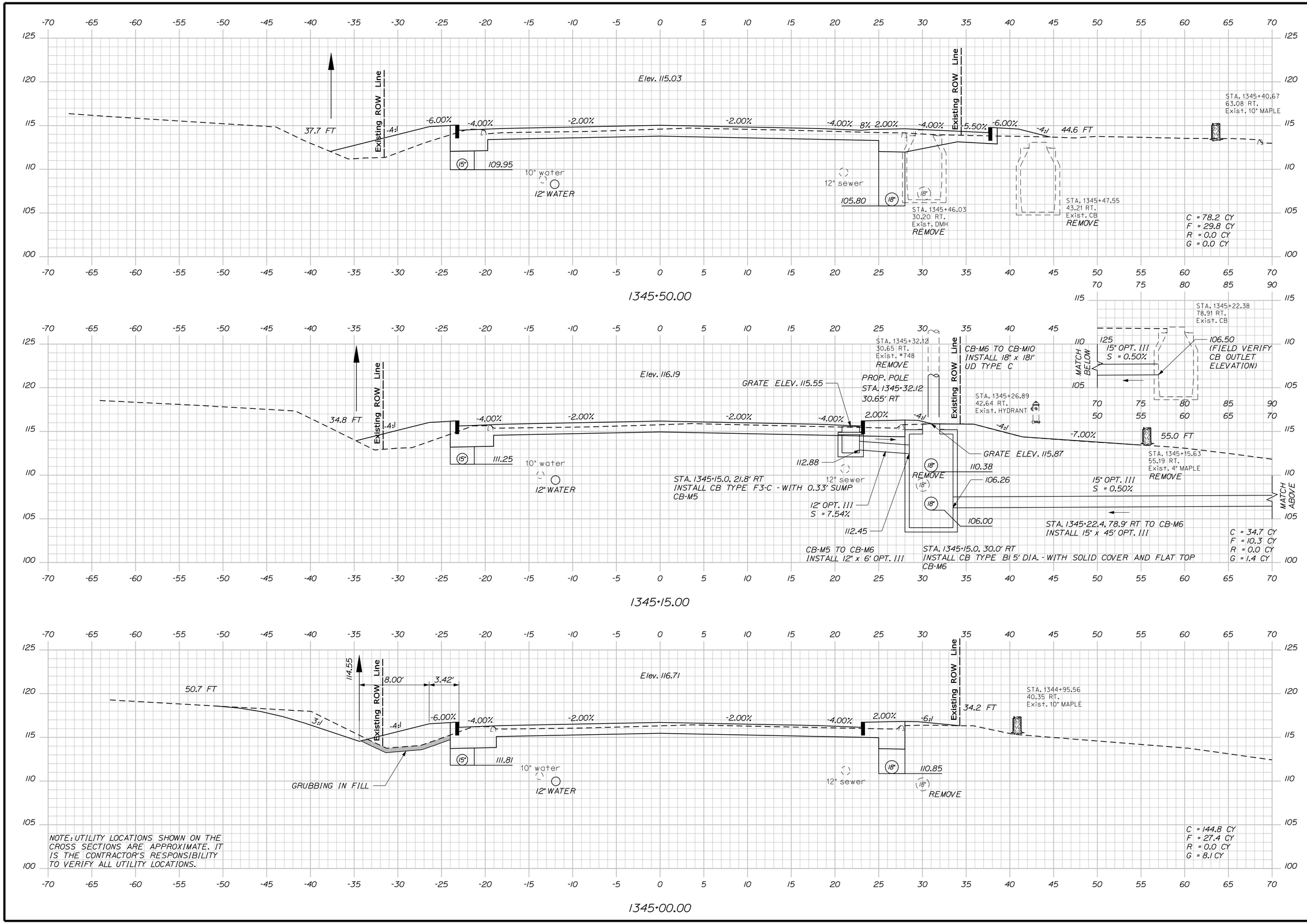
SHEET NUMBER

110

OF 187

Filename: ...\MSTA\110_XSECT_1343+50_006.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1343+50.00 to Sta. 1344+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

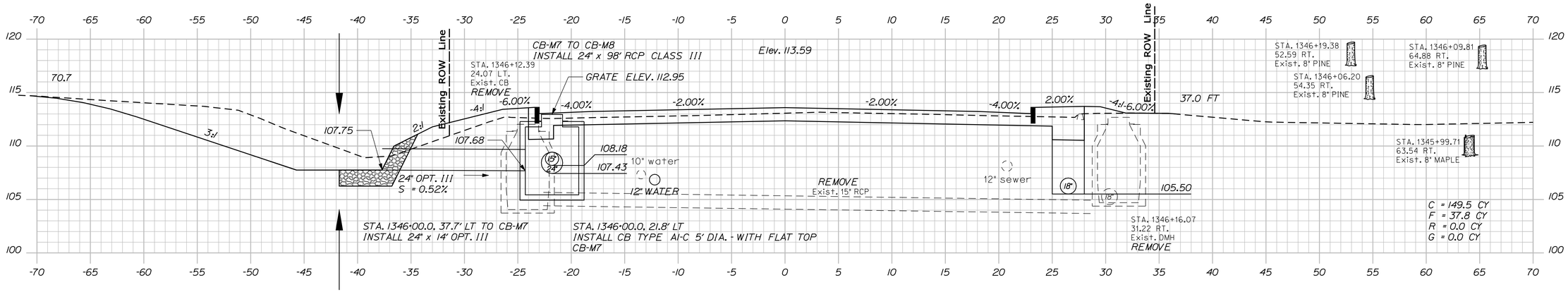
SHEET NUMBER

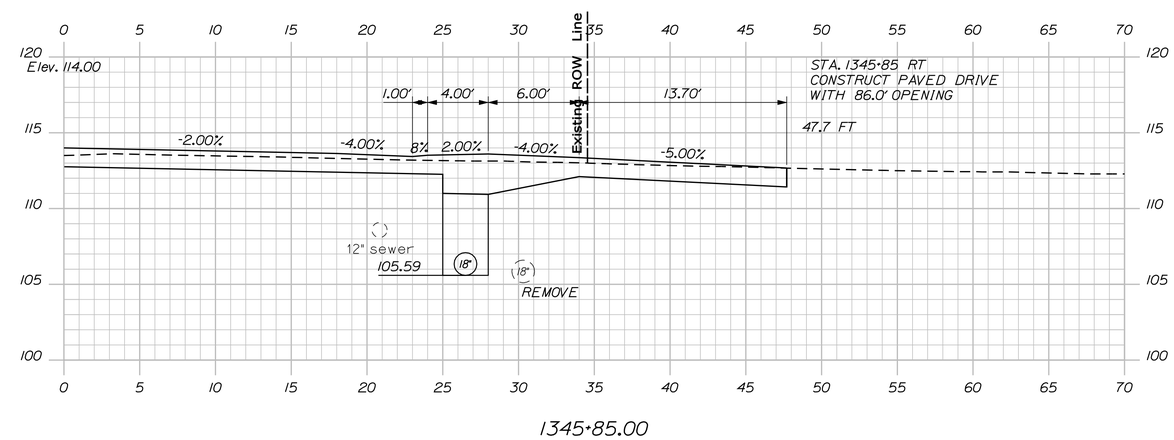
111

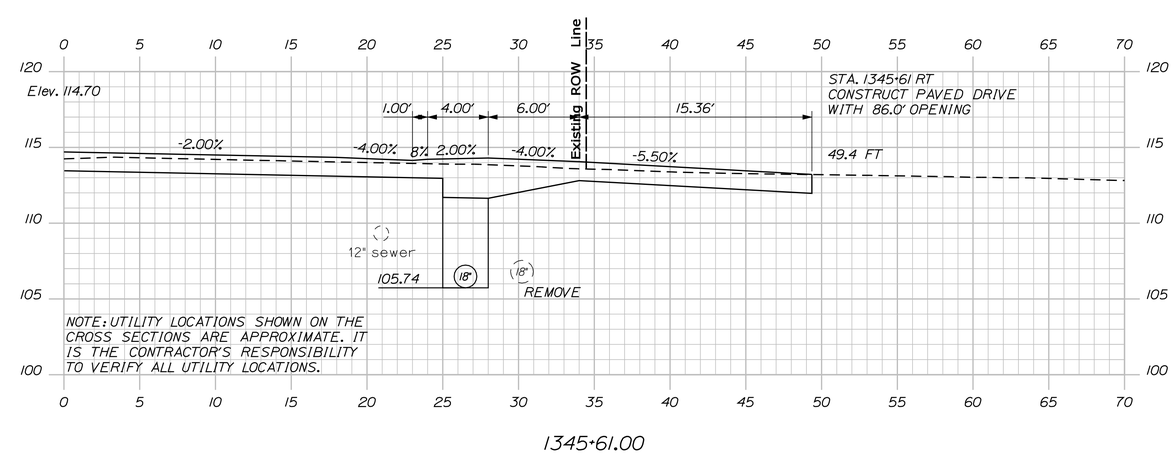
OF 187

Filename: ...\MSTA\111_XSECT_1345+00_007.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1345+00.00 to Sta. 1345+50.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

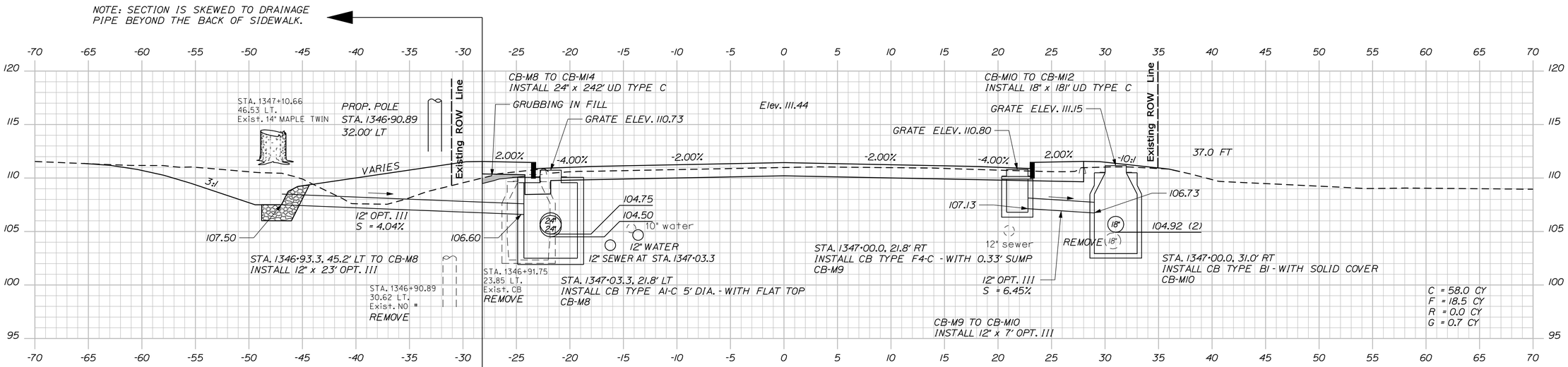
ELLSWORTH
US ROUTE 1A (NHS)

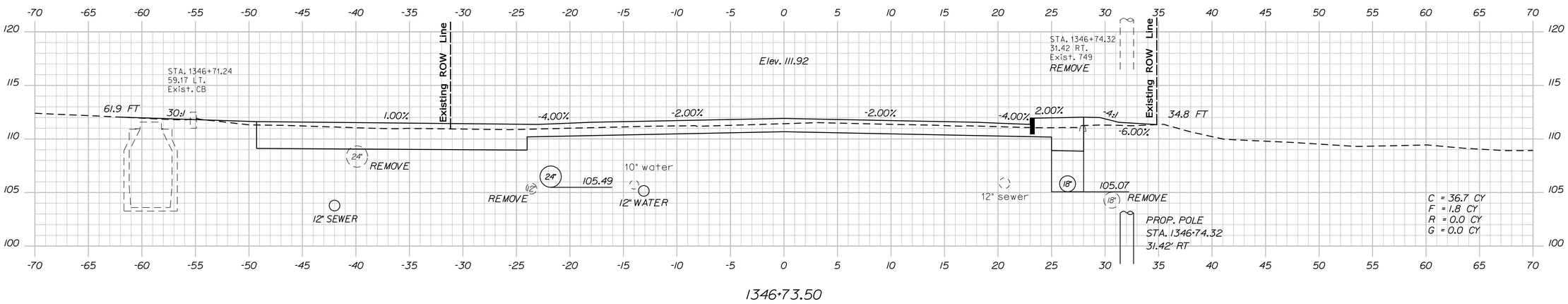
CROSS SECTIONS

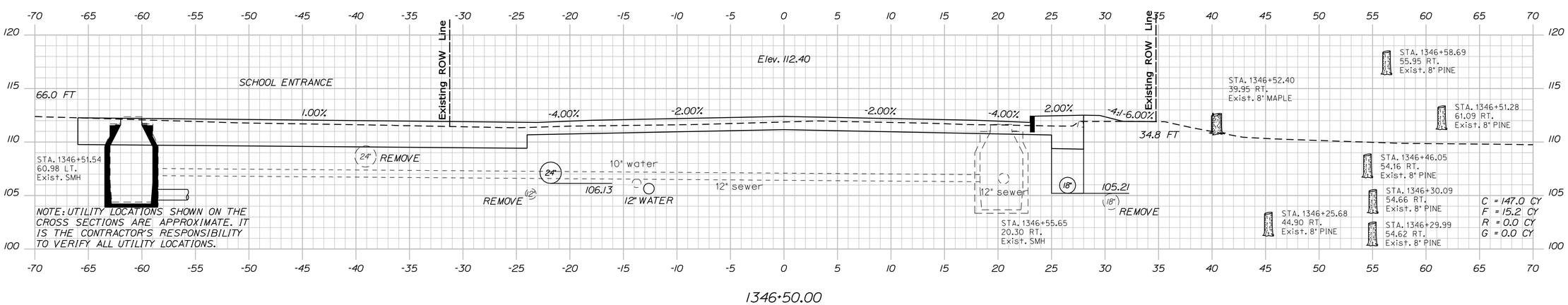
SHEET NUMBER
112
OF 187

Filename: ...\MSTA\112_XSECT_1345+61_008.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1345+61.00 to Sta. 1346+00.00







Sta. 1346+50.00 to Sta. 1347+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

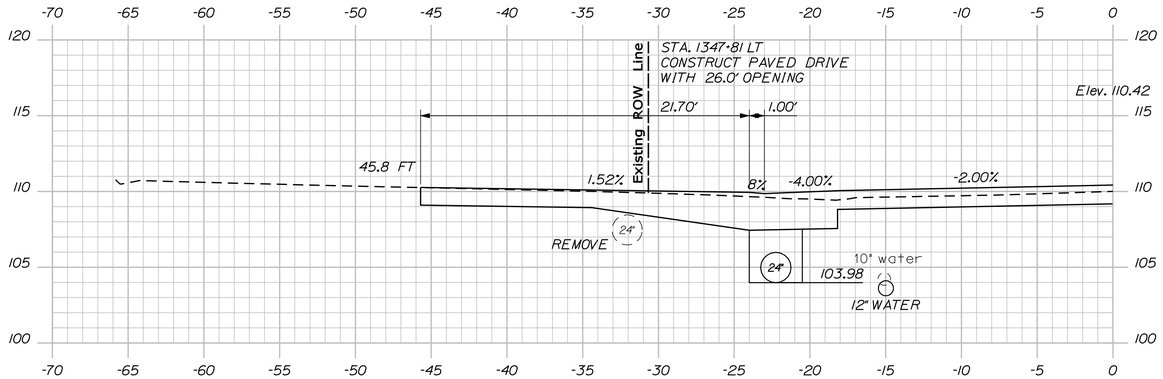
CROSS SECTIONS

SHEET NUMBER

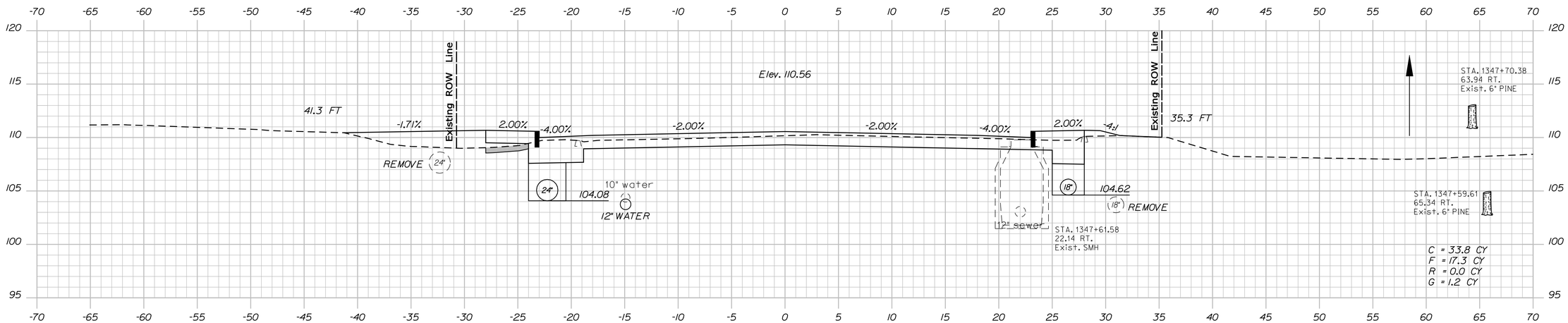
113

OF 187

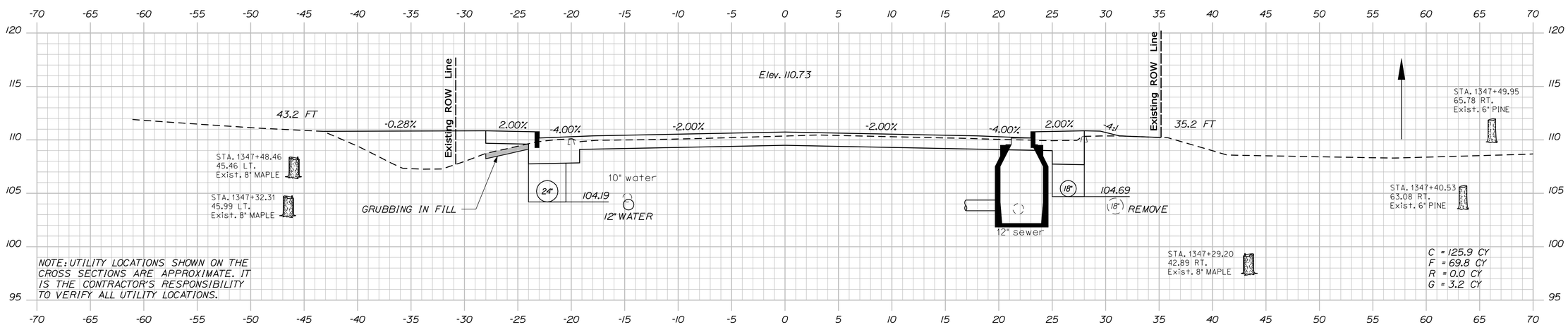
Filename: ...\MSTA\113_XSECT_1346+50_009.dgn Division: Highway Username: jhilton Date:3/22/2016



1347+81.00



1347+66.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1347+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER

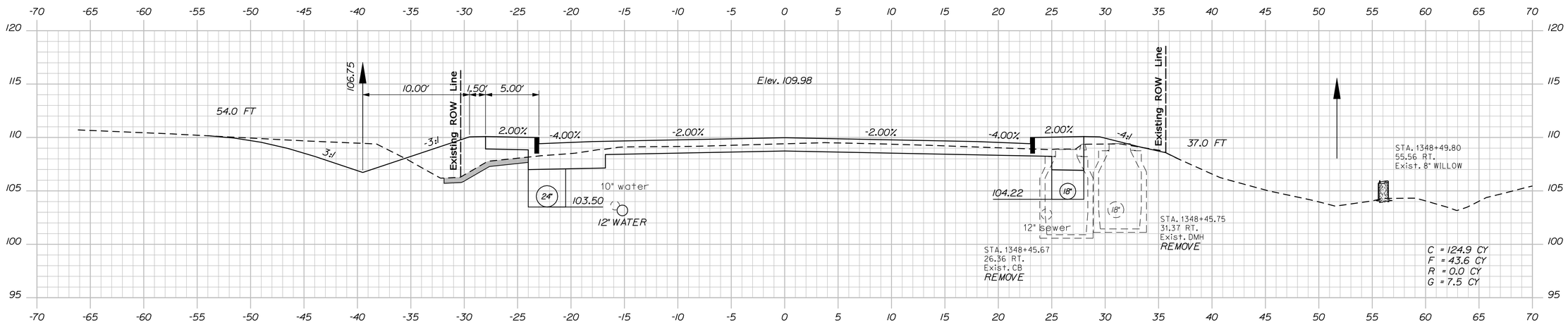
114

OF 187

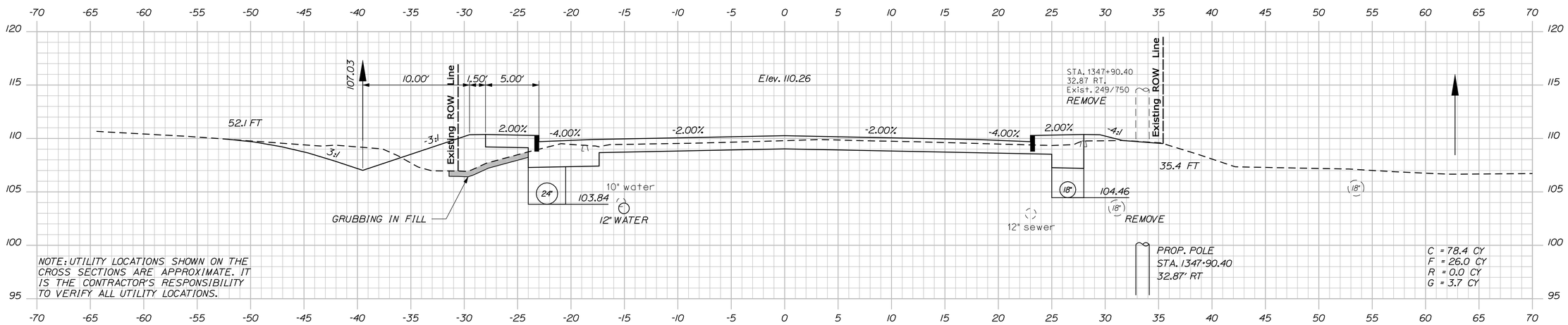
Sta. 1347+50.00 to Sta. 1347+81.00

Filename: ...\MSTA\114_XSECT_1347+50_010.dgn Division: Highway Username: jhilton Date:3/22/2016

1348+68.00



1348+50.00



1348+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

SHEET NUMBER

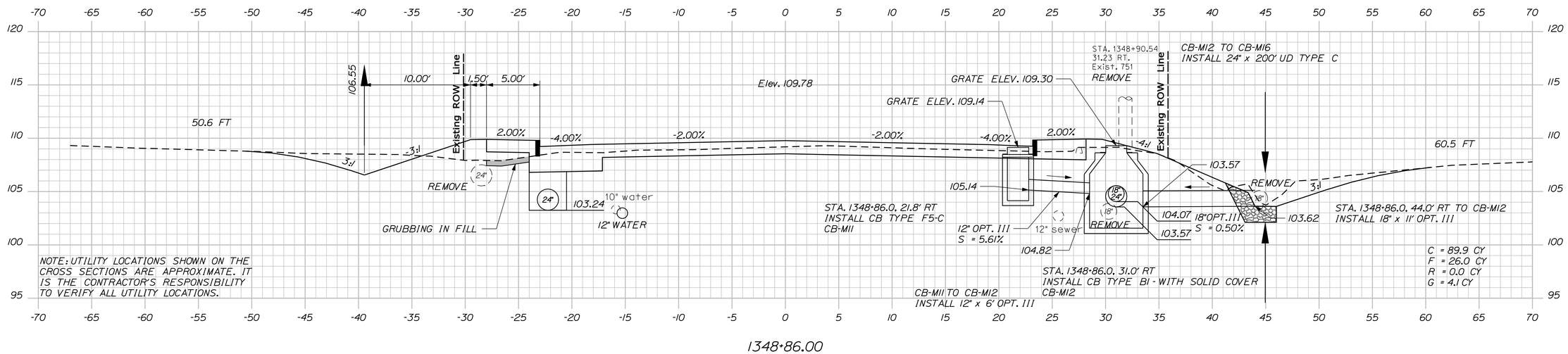
115

OF 187

Sta. 1348+00.00 to Sta. 1348+68.00

Filename: ...\MSTA\115_XSECT_1348+00_011.dgn Division: Highway Username: jhilton Date:3/22/2016

Filename: ...\MSTA\116_XSECT_1348+86_012.dgn Division: Highway Username: jhilton Date:3/22/2016



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---		---
REVISIONS 2	---		---
REVISIONS 3	---		---
REVISIONS 4	---		---
FIELD CHANGES	---		---

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

ELLSWORTH
US ROUTE 1A (NHS)

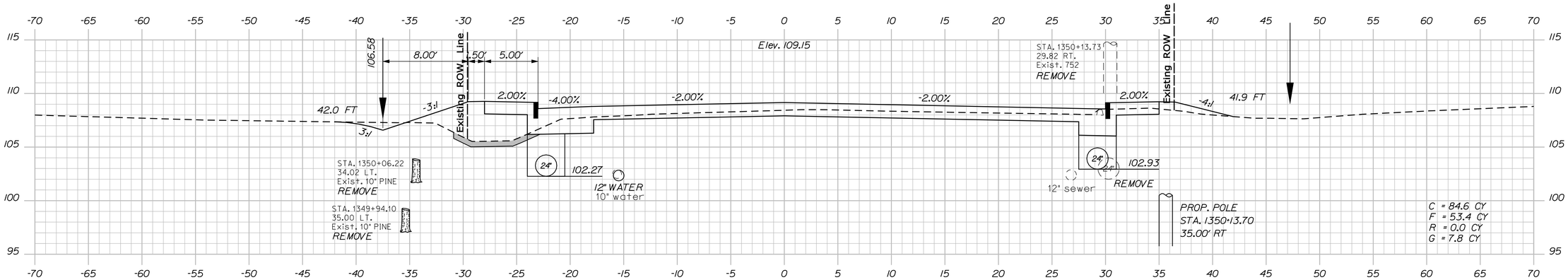
CROSS SECTIONS

SHEET NUMBER

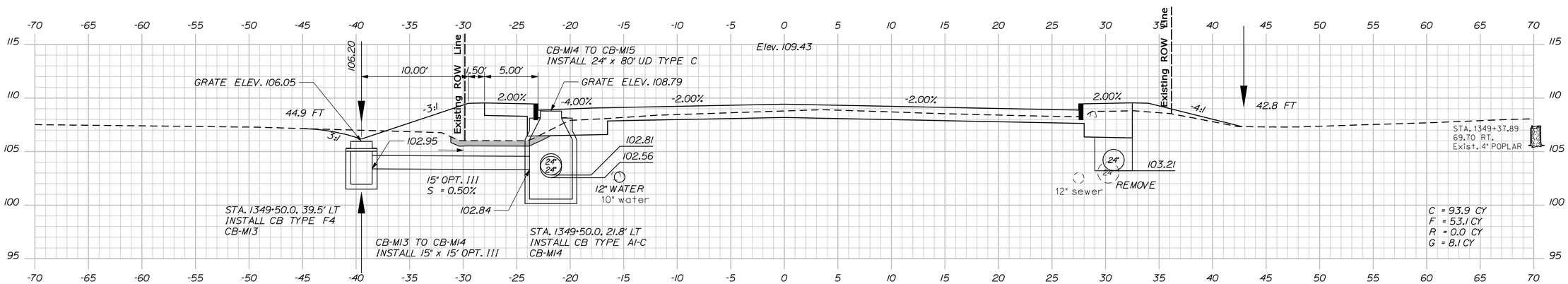
116

OF 187

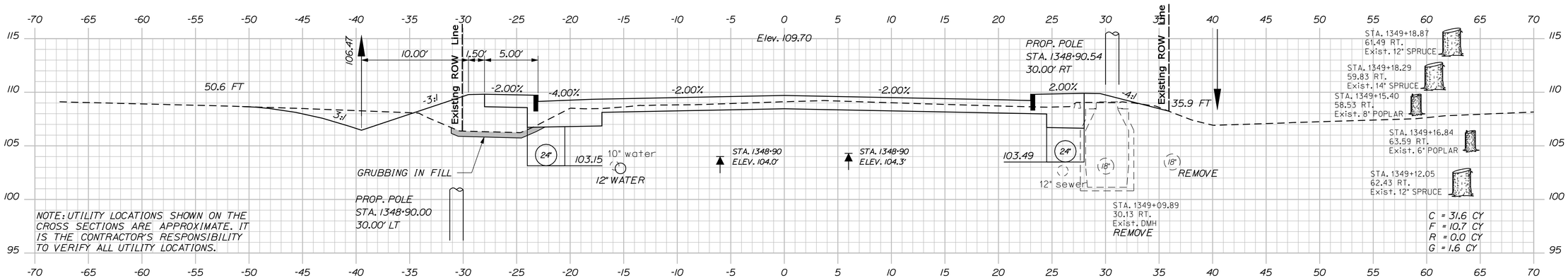
Sta. 1348+86.00 to Sta. 1348+86.00



1350+00.00



1349+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1349+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

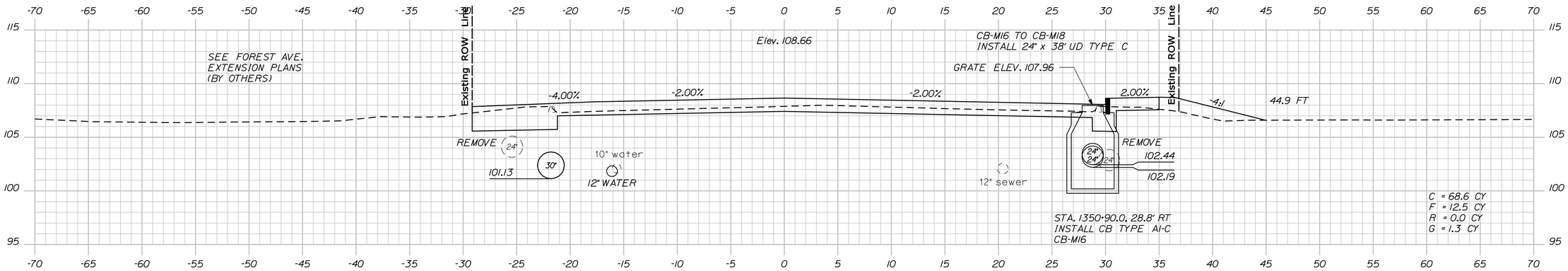
SHEET NUMBER

117

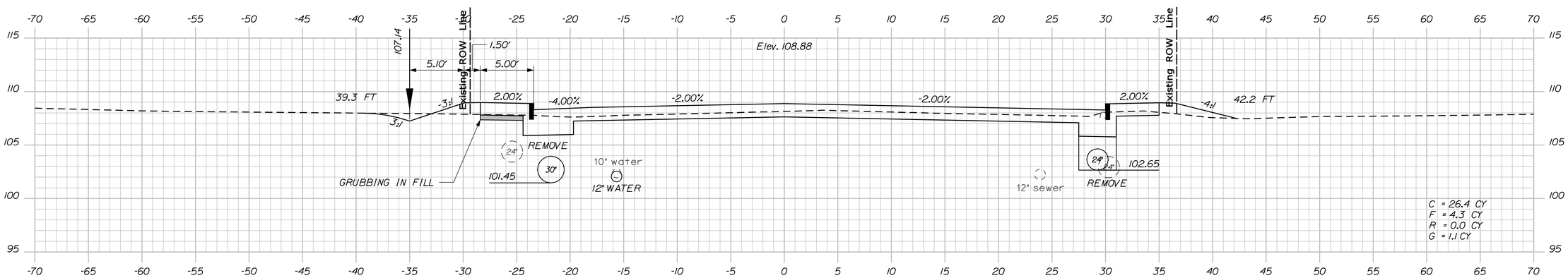
OF 187

Sta. 1349+00.00 to Sta. 1350+00.00

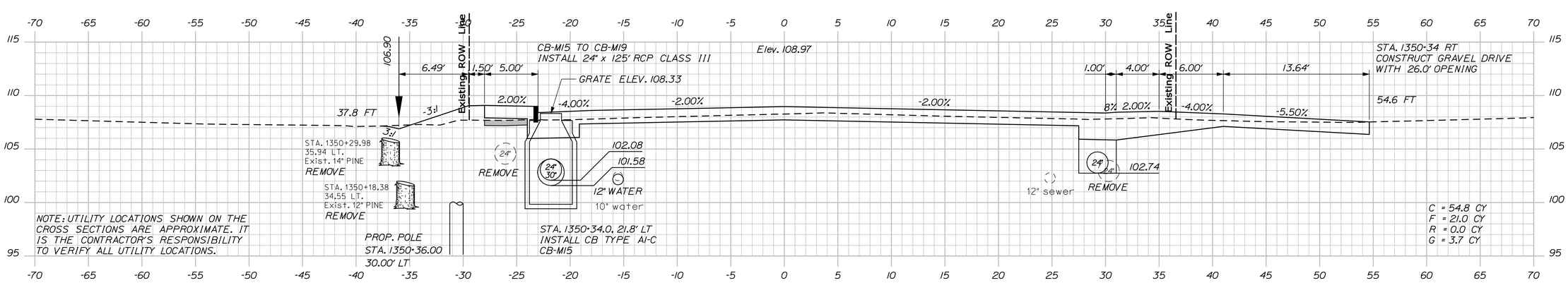
Filename: ...\MSTA\117_XSECT_1349-00_013.dgn Division: Highway Username: jhilton Date:3/22/2016



1350+90.00



1350+50.00



1350+34.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

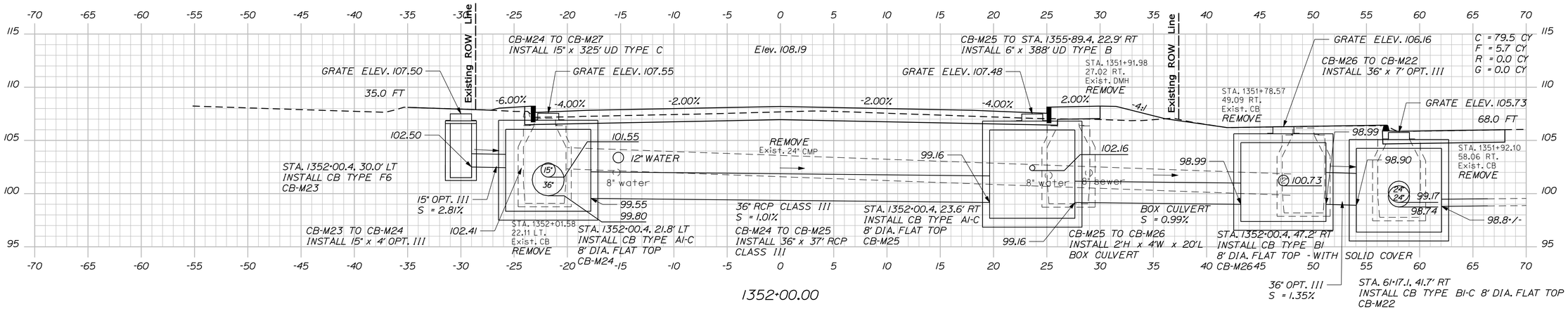
SHEET NUMBER

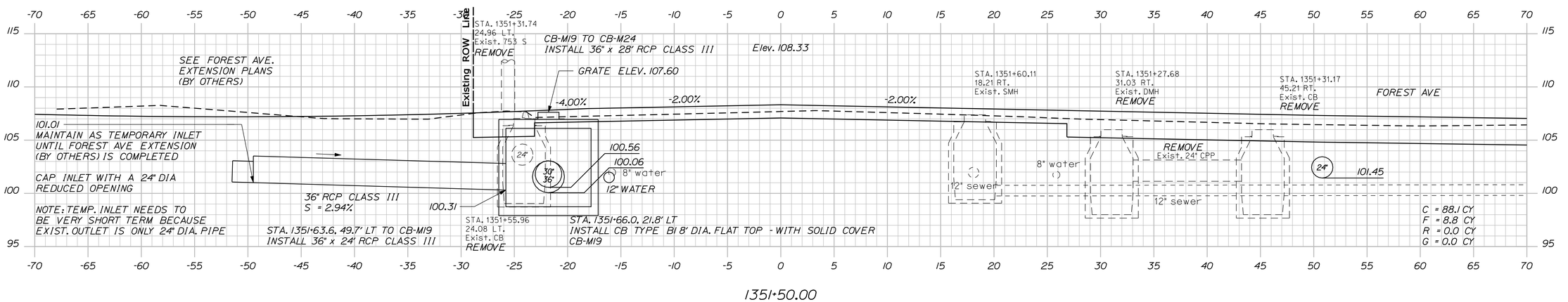
118

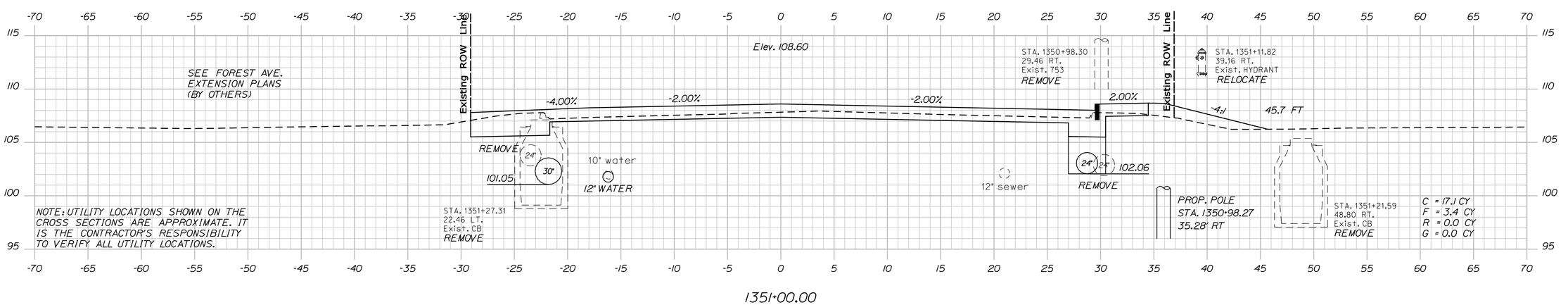
OF 187

Filename: ...\MSTA\118_XSECT_1350+34_014.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1350+34.00 to Sta. 1350+90.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	...	...
DESIGN3-DETAILED3	...	...
REVISIONS 1	...	...
REVISIONS 2	...	...
REVISIONS 3	...	...
REVISIONS 4	...	...
FIELD CHANGES	...	...

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

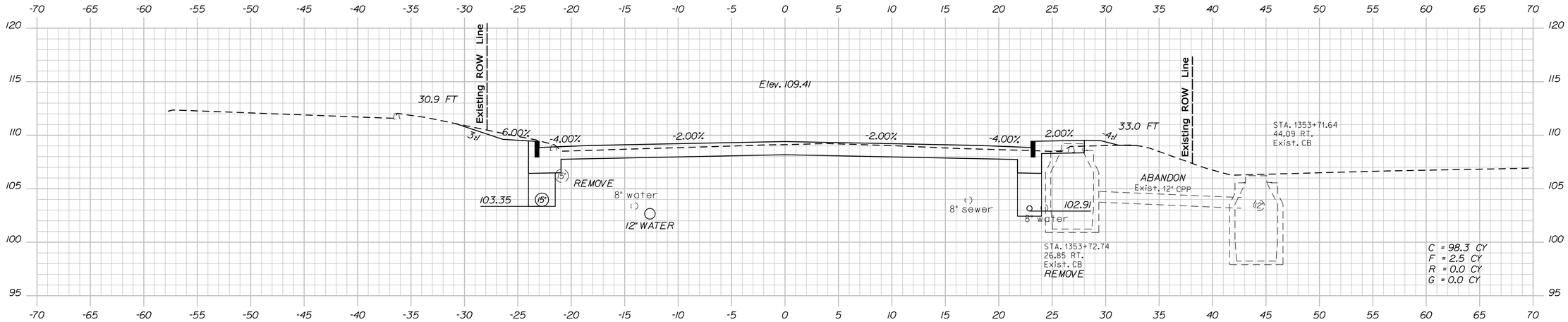
SHEET NUMBER

119

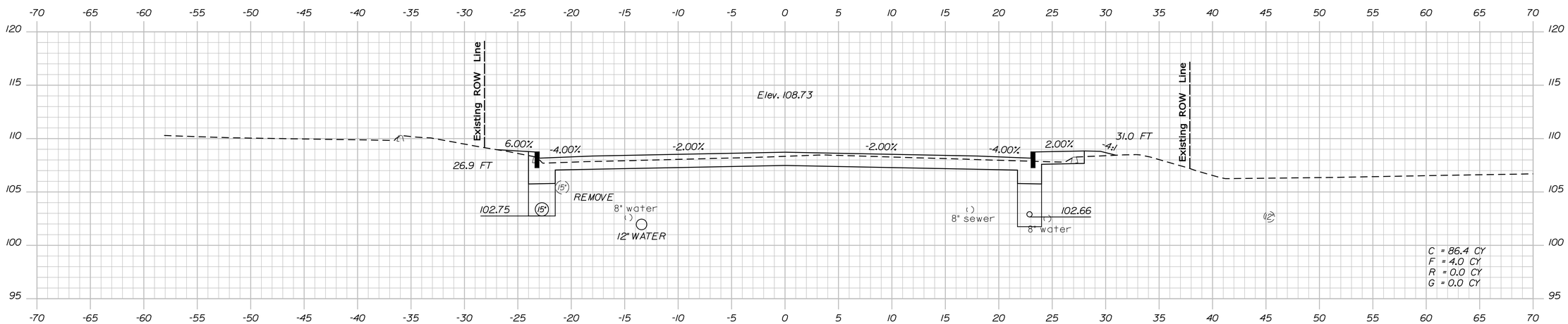
OF 187

Sta. 1351+00.00 to Sta. 1352+00.00

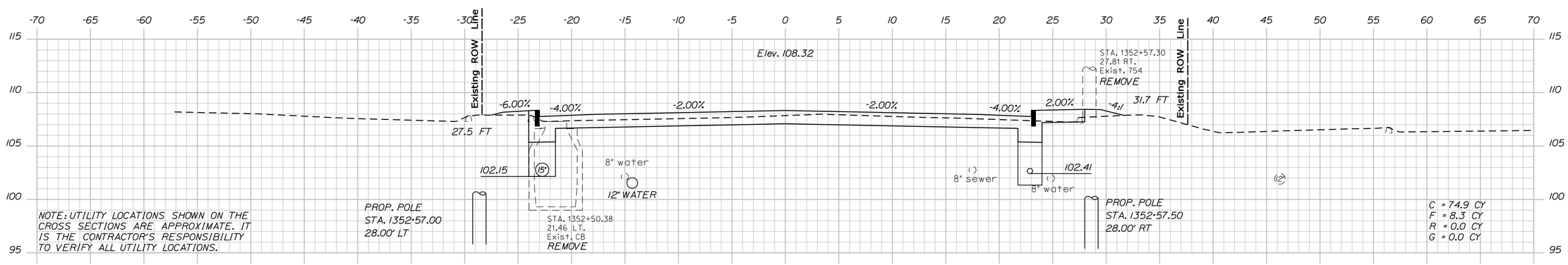
Filename: ...\MSTA\119_XSECT_1351+00_015.dgn Division: Highway Username: jhilton Date:3/22/2016



1353+50.00



1353+00.00



1352+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

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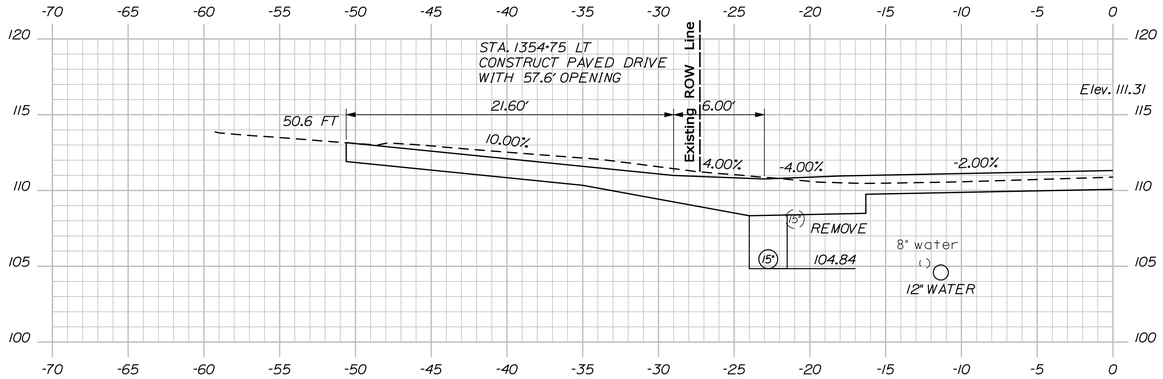
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

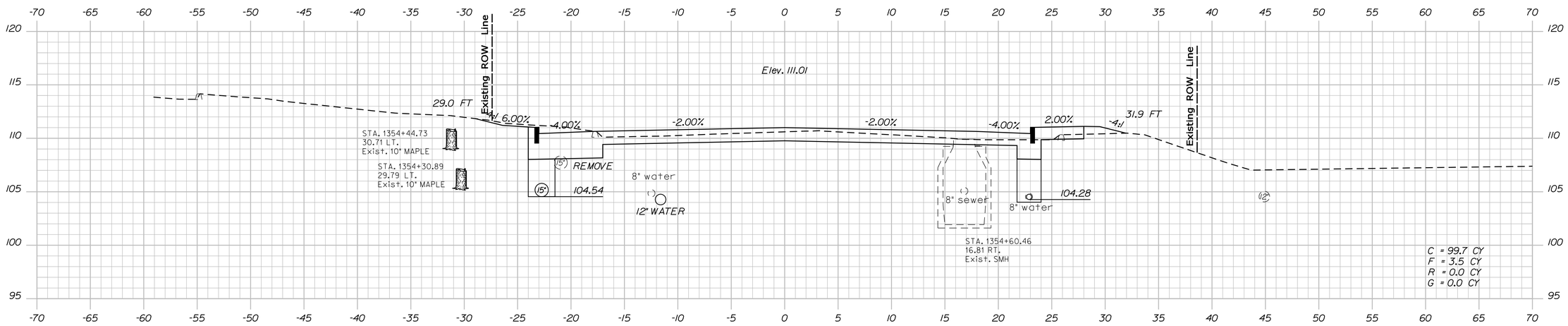
SHEET NUMBER
120
OF 187

Sta. 1352+50.00 to Sta. 1353+50.00

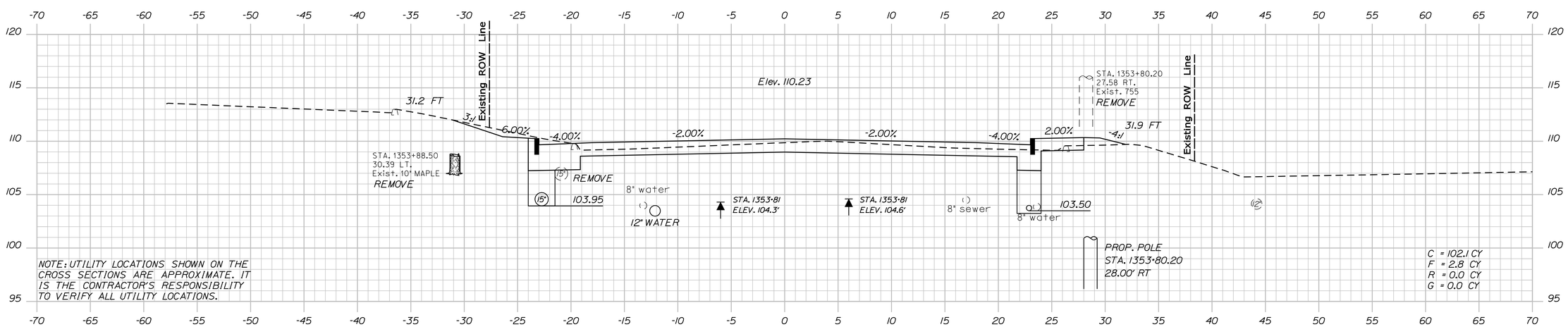
Filename: ...\MSTA\120_XSECT_1352+50_016.dgn Division: Highway Username: jhilton Date:3/22/2016



1354+75.00



1354+50.00



1354+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

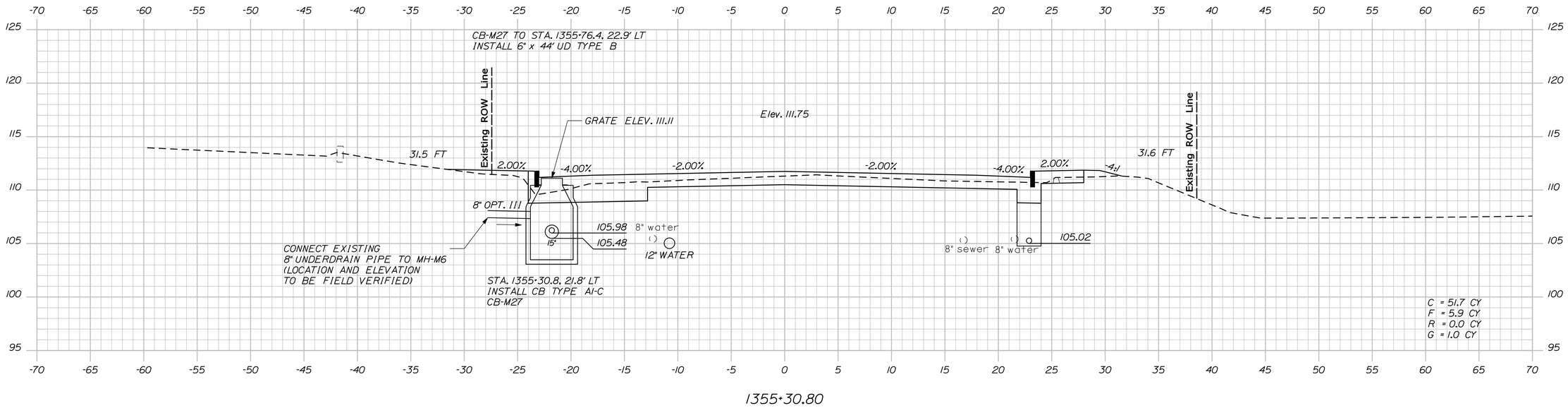
SHEET NUMBER

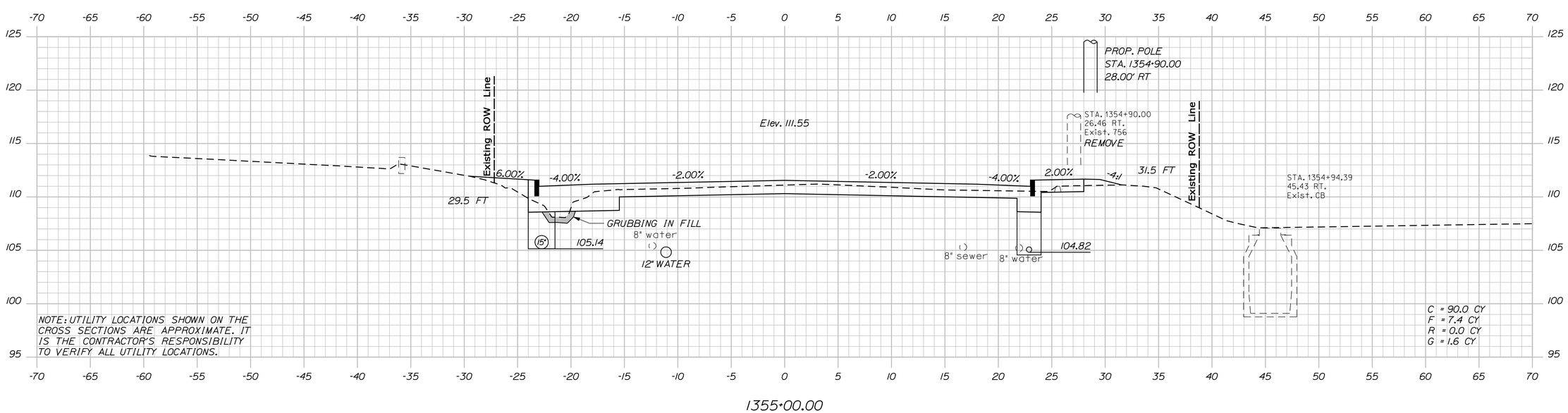
121

OF 187

Filename: ...\MSTA\121_XSECT_1354+00_017.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1354+00.00 to Sta. 1354+75.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

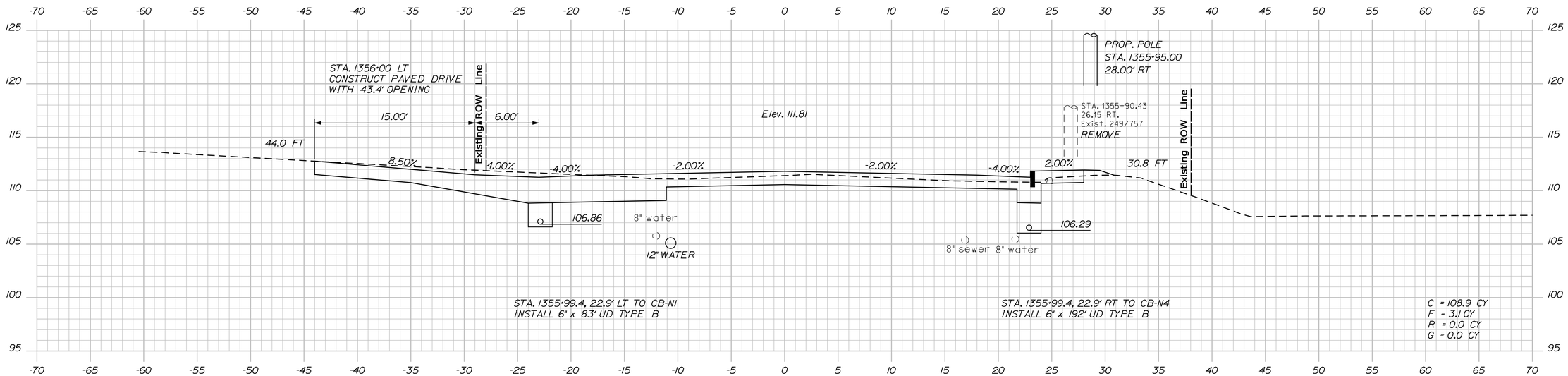
ELLSWORTH
US ROUTE 1A (NHS)

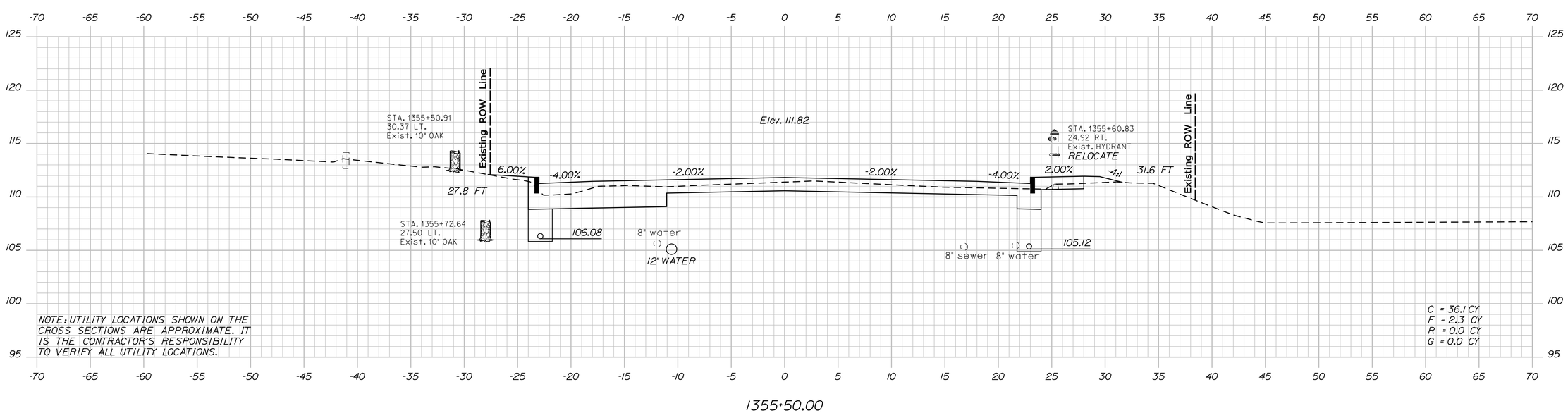
CROSS SECTIONS

SHEET NUMBER
122
OF 187

Sta. 1355+00.00 to Sta. 1355+30.80

Filename: ...\MSTA\122_XSECT_1355+00_018.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

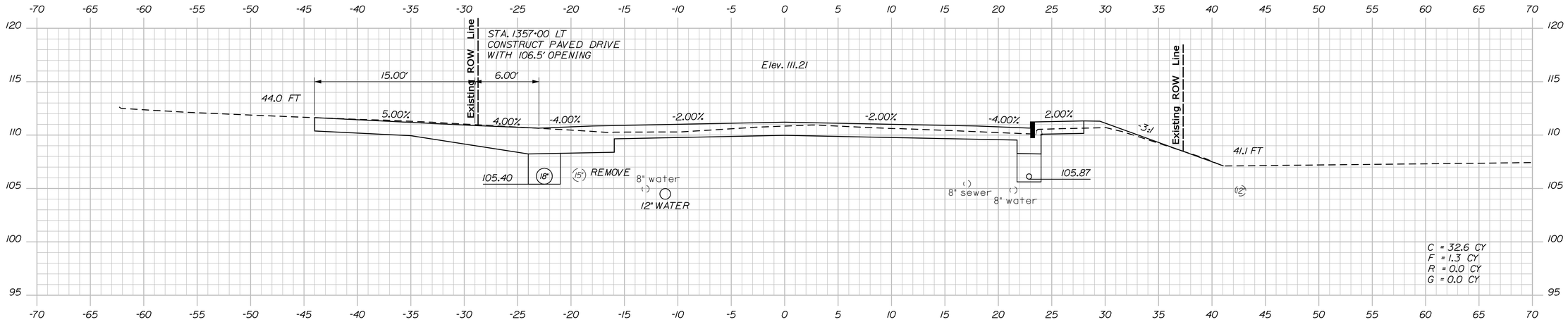
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

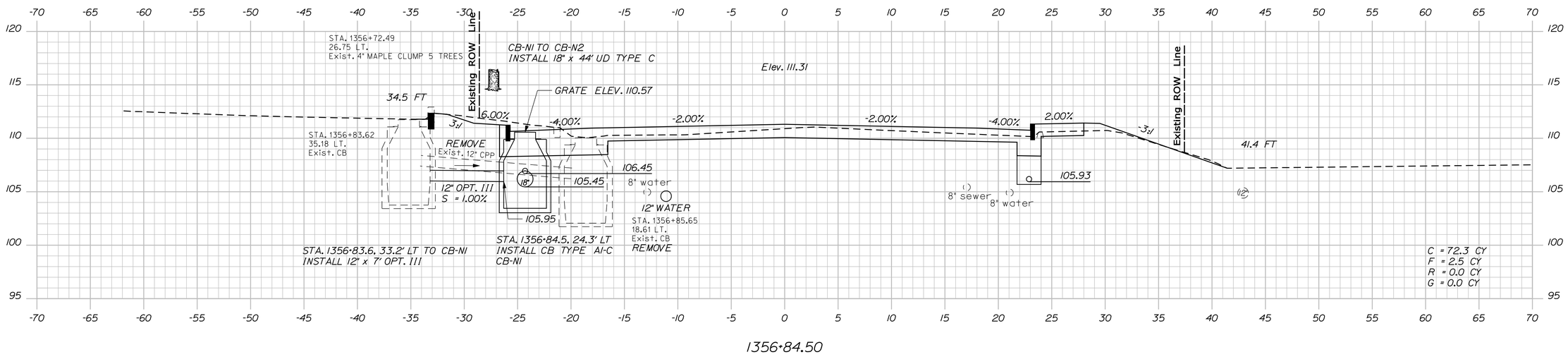
SHEET NUMBER
123
OF 187

Sta. 1355+50.00 to Sta. 1356+00.00

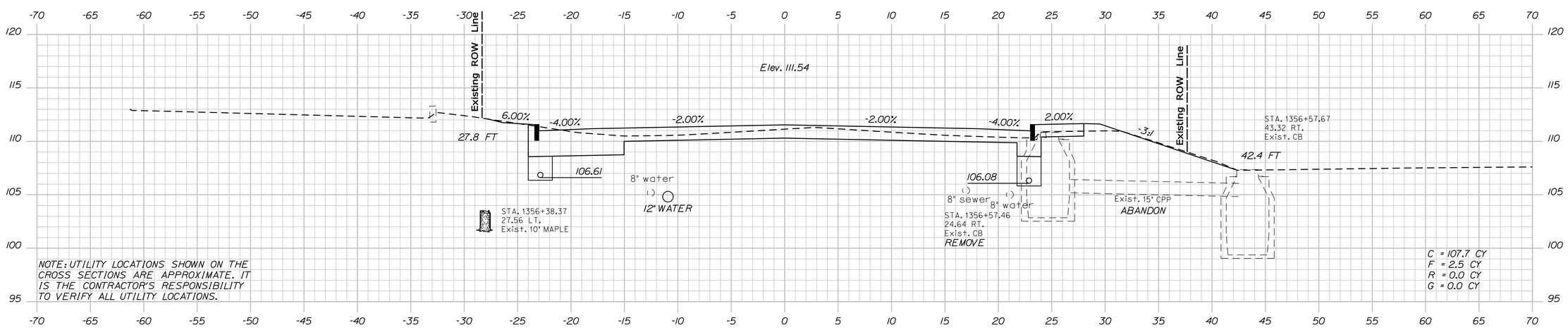
Filename: ...\MSTA\123_XSECT_1355+50_019.dgn Division: Highway Username: jhilton Date:3/22/2016



1357+00.00



1356+84.50



1356+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

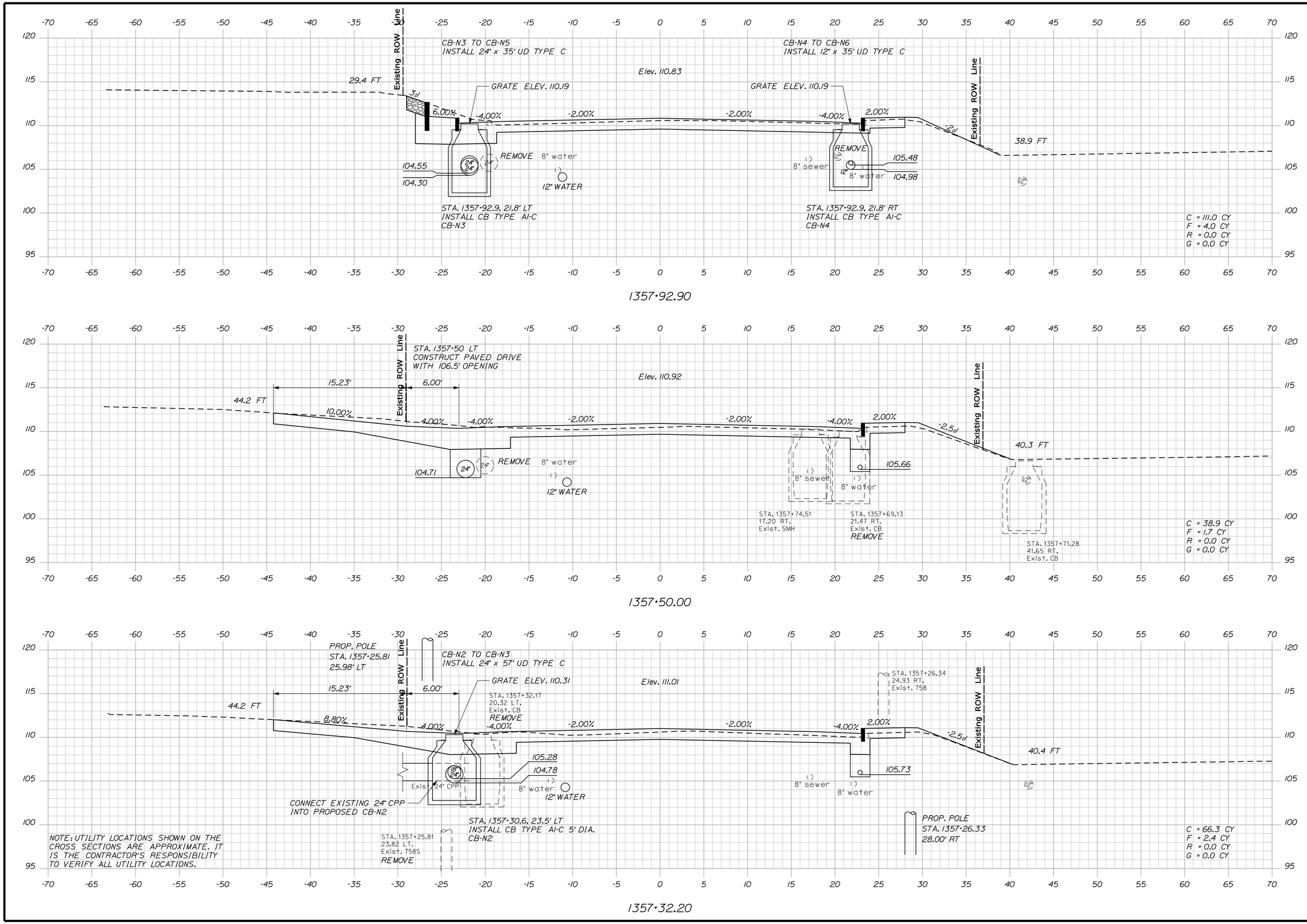
SHEET NUMBER

124

OF 187

Filename: ...\MSTA\124_XSECT_1356+50_020.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 1356+50.00 to Sta. 1357+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

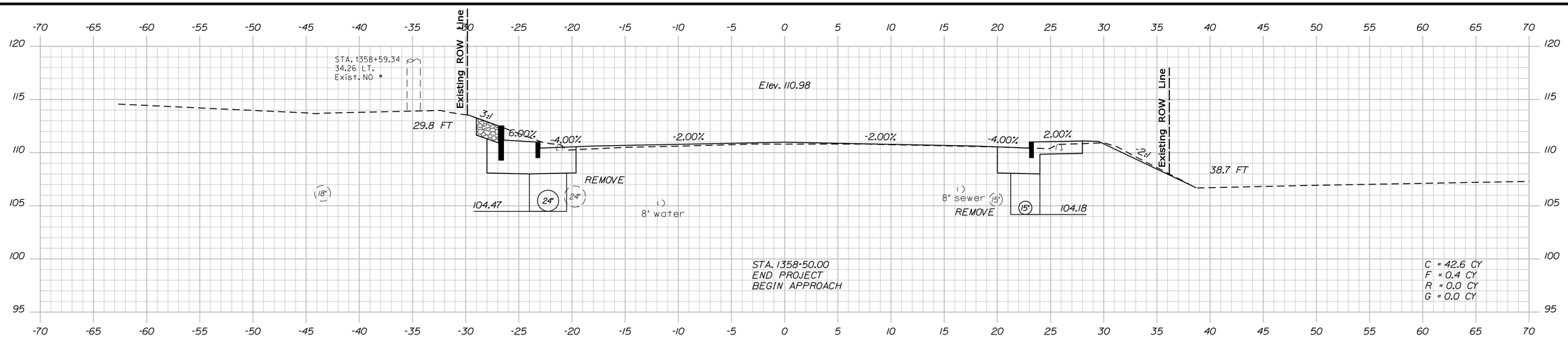
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

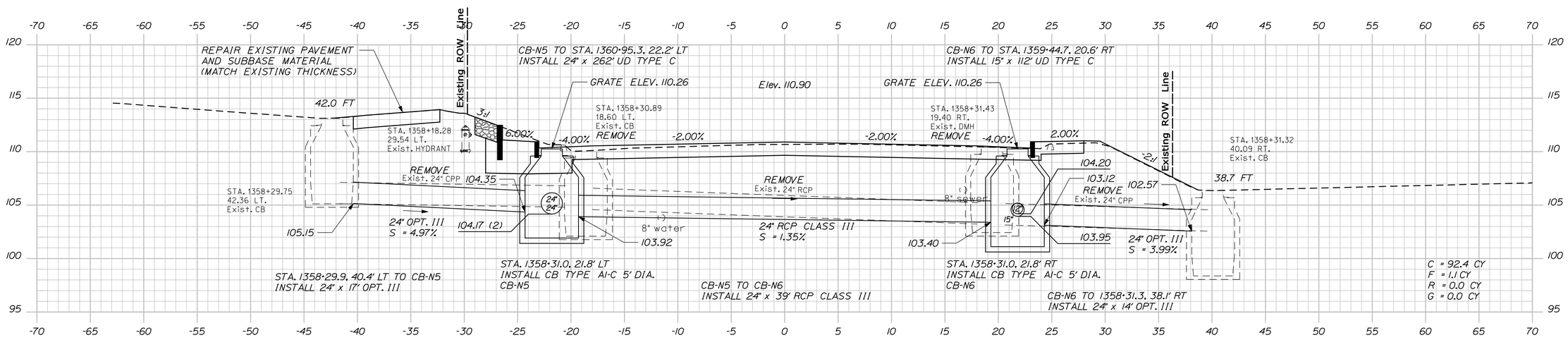
SHEET NUMBER
125
OF 187

Sta. 1357+32.20 to Sta. 1357+92.90

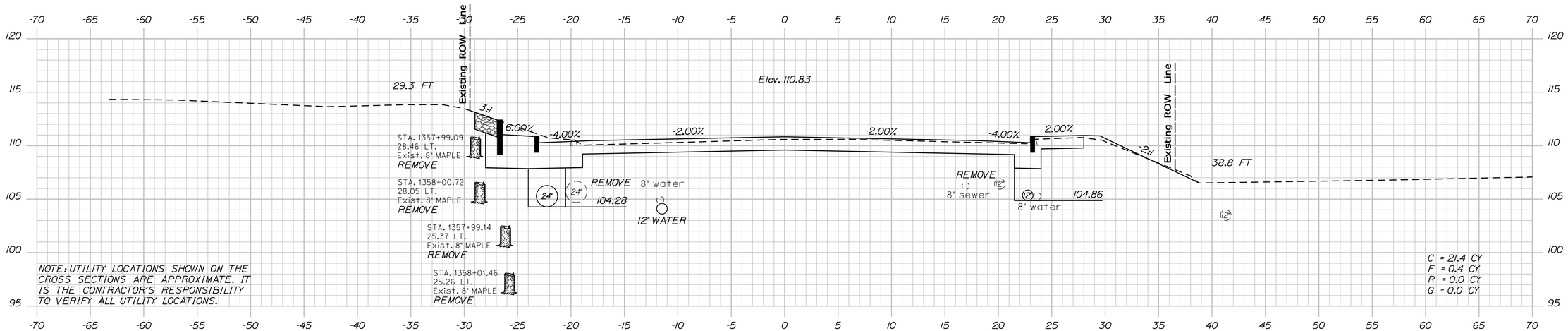
Filename: ...\MSTA\125_XSECT_1357+32_021.dgn Division: Highway Username: jhilton Date:3/22/2016



1358+50.00



1358+31.00



1358+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	...	...	...
DESIGN3-DETAILED3	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

SIGNATURE

P.E. NUMBER

DATE

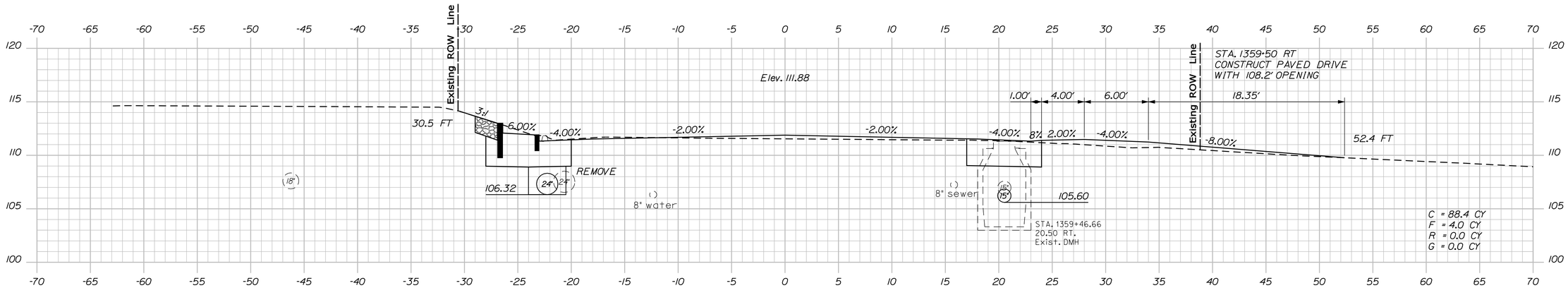
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

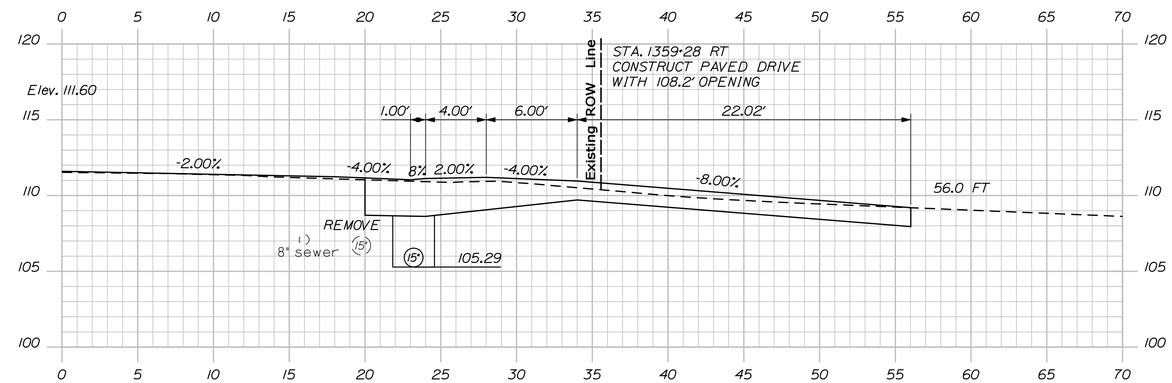
SHEET NUMBER
126
OF 187

Filename: ...\MSTA\126_XSECT_1358+00_022.dgn Division: Highway Username: jhilton Date:3/22/2016

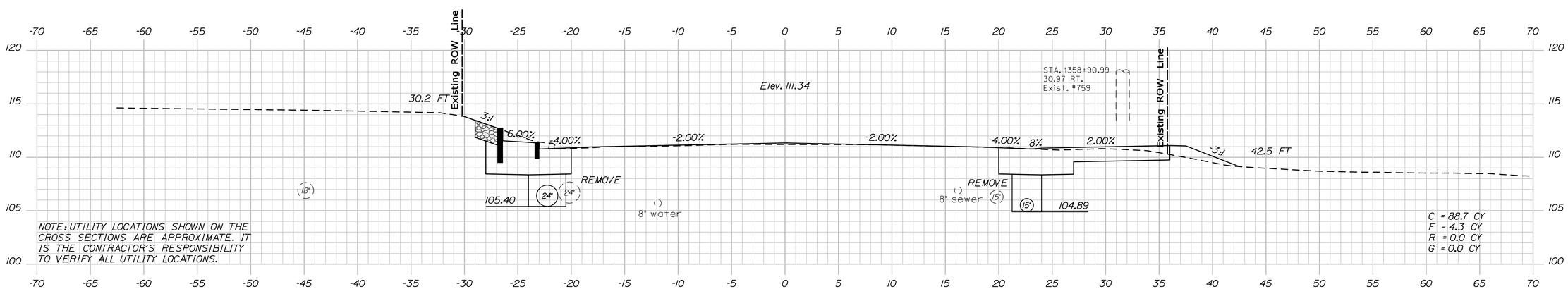
Sta. 1358+00.00 to Sta. 1358+50.00



1359+50.00



1359+28.00



1359+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

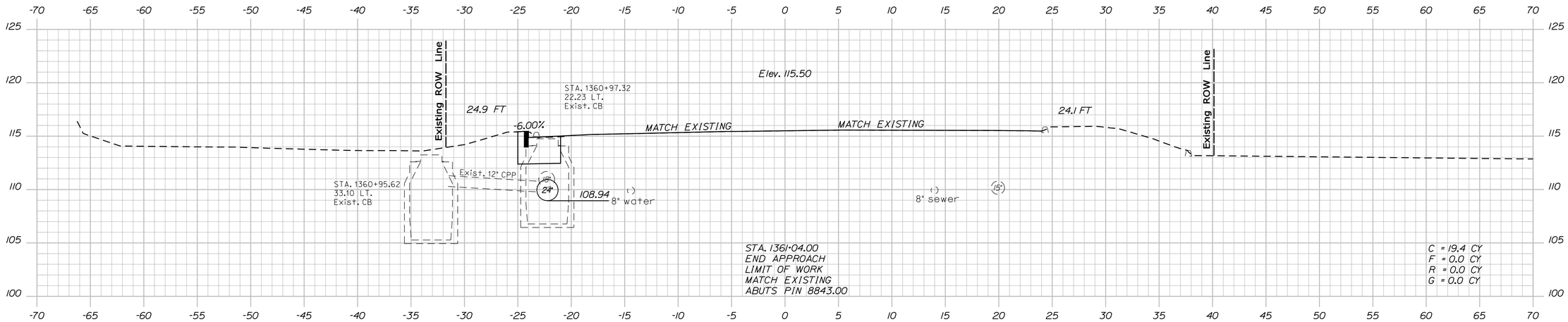
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

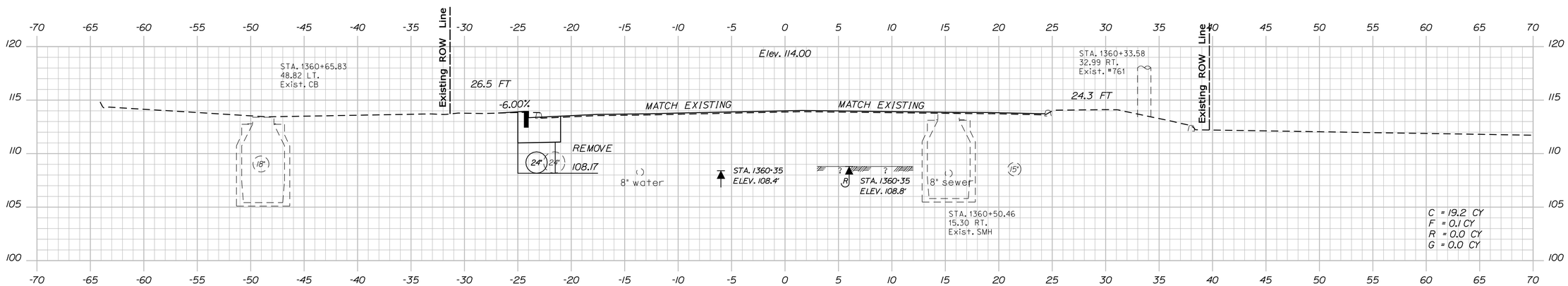
SHEET NUMBER
127
OF 187

Sta. 1359+00.00 to Sta. 1359+50.00

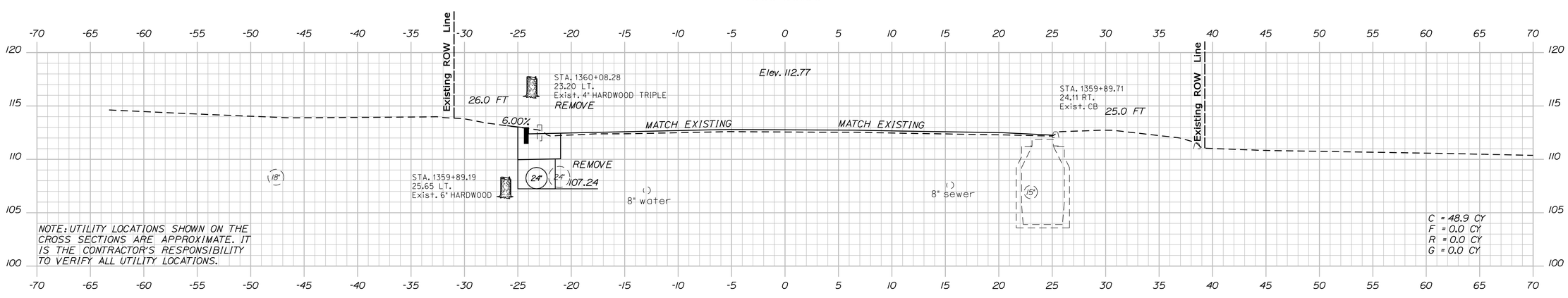
Filename: ...\MSTA\127_XSECT_1359+00_023.dgn Division: Highway Username: jhilton Date:3/22/2016



1361+00.00



1360+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

1360+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

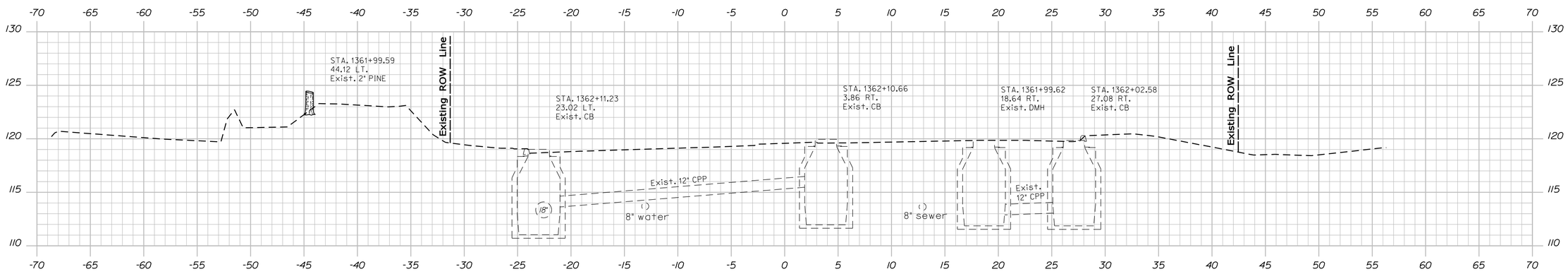
ELLSWORTH
US ROUTE 1A (NHS)

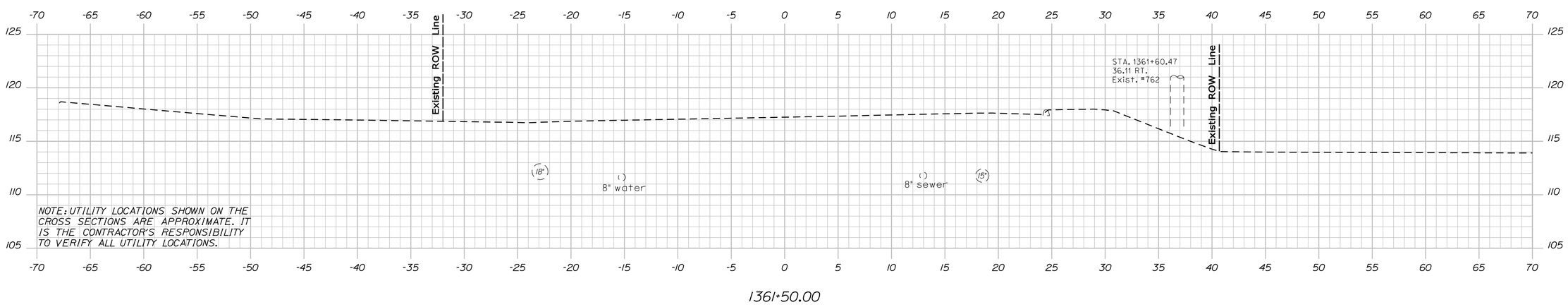
CROSS SECTIONS

SHEET NUMBER
128
OF 187

Sta. 1360+00.00 to Sta. 1361+00.00

Filename: ...\MSTA\128_XSECT_1360+00_024.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

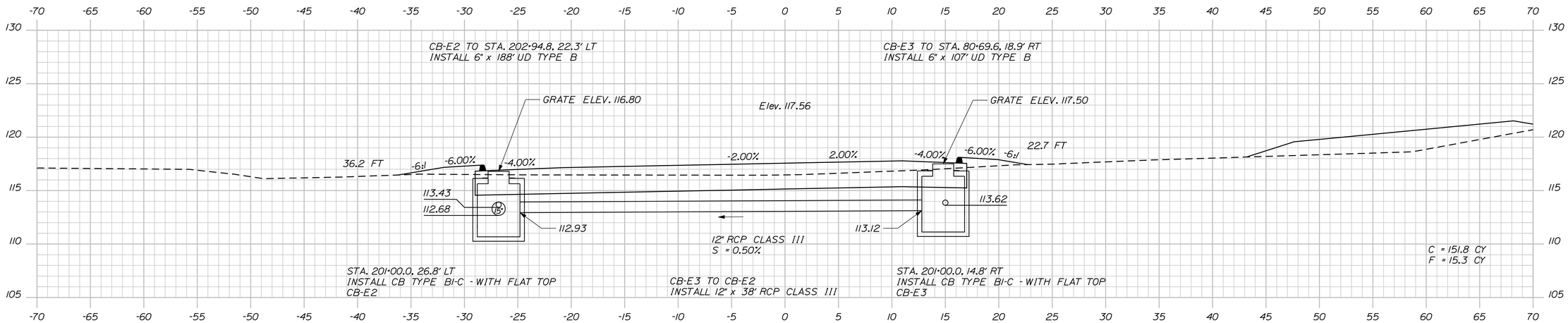
ELLSWORTH
US ROUTE 1A (NHS)

CROSS SECTIONS

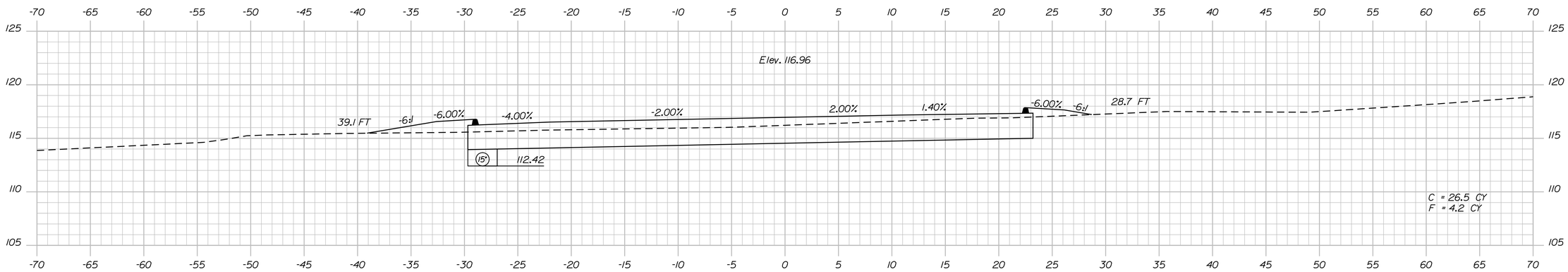
SHEET NUMBER
129
OF 187

Sta. 1361+50.00 to Sta. 1362+00.00

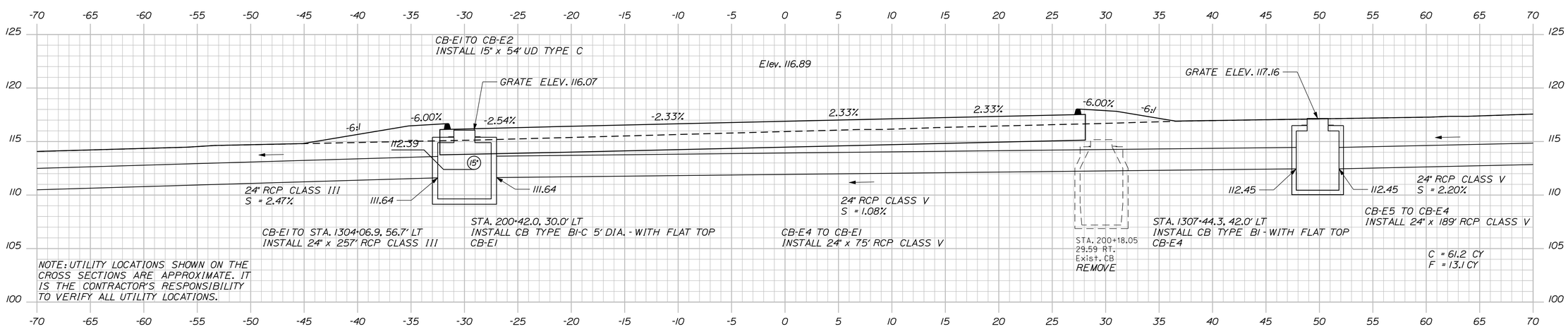
Filename: ...\MSTA\129_XSECT_1361-50_025.dgn Division: Highway Username: jhilton Date:3/22/2016



201+00.00



200+50.00



200+42.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

CROSS SECTIONS

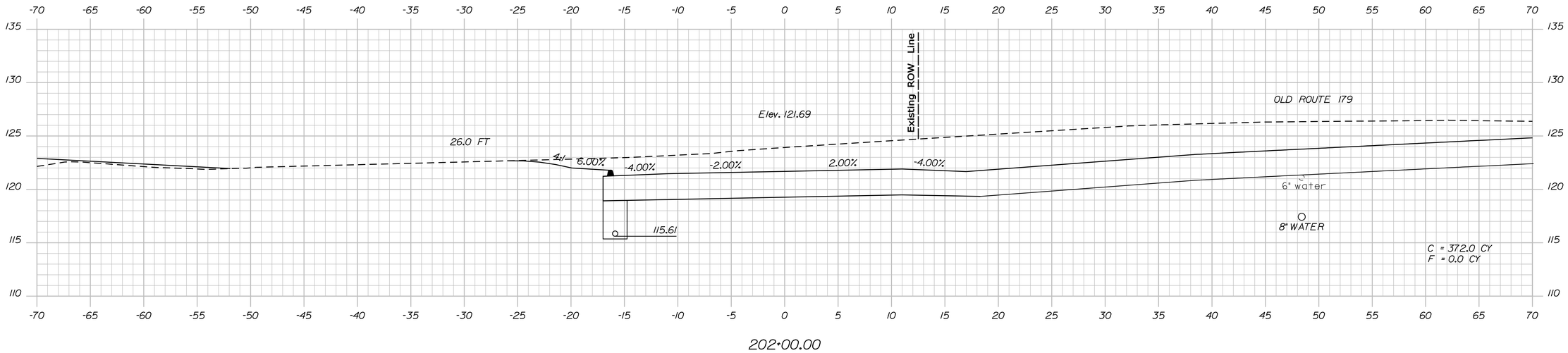
SHEET NUMBER

130

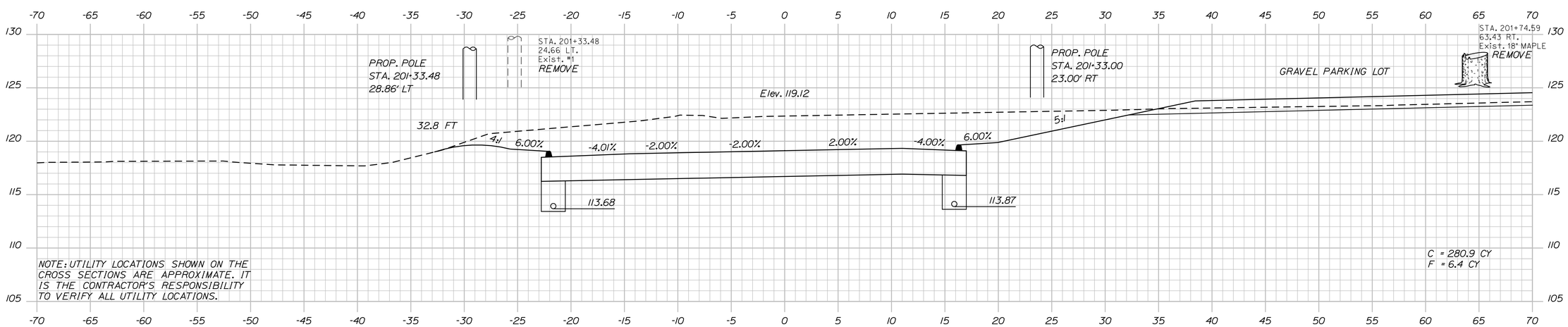
OF 187

Sta. 200+42.00 to Sta. 201+00.00

Filename: ...\MSTA\130_XSECT_200+42_001.dgn Division: Highway Username: jhilton Date:3/22/2016



202+00.00



201+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

CROSS SECTIONS

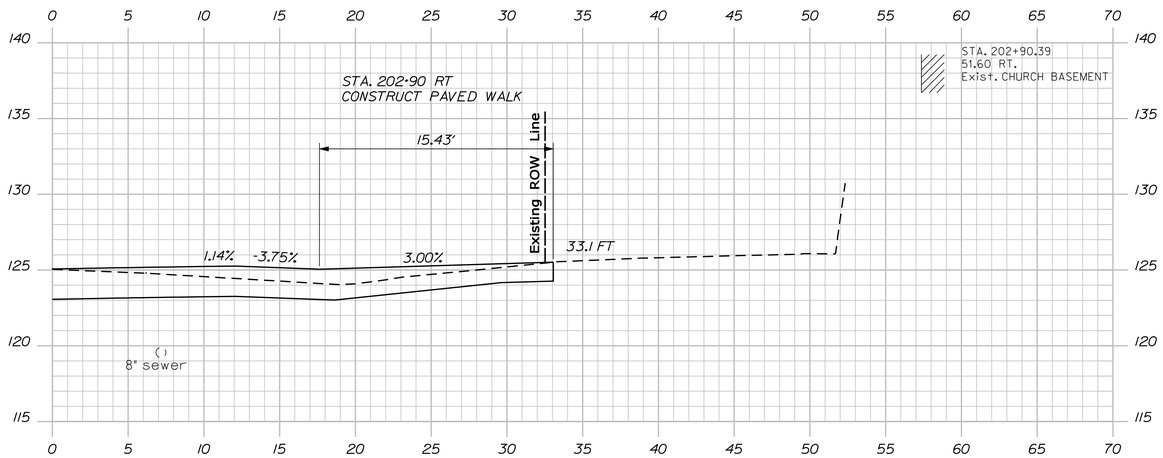
SHEET NUMBER

131

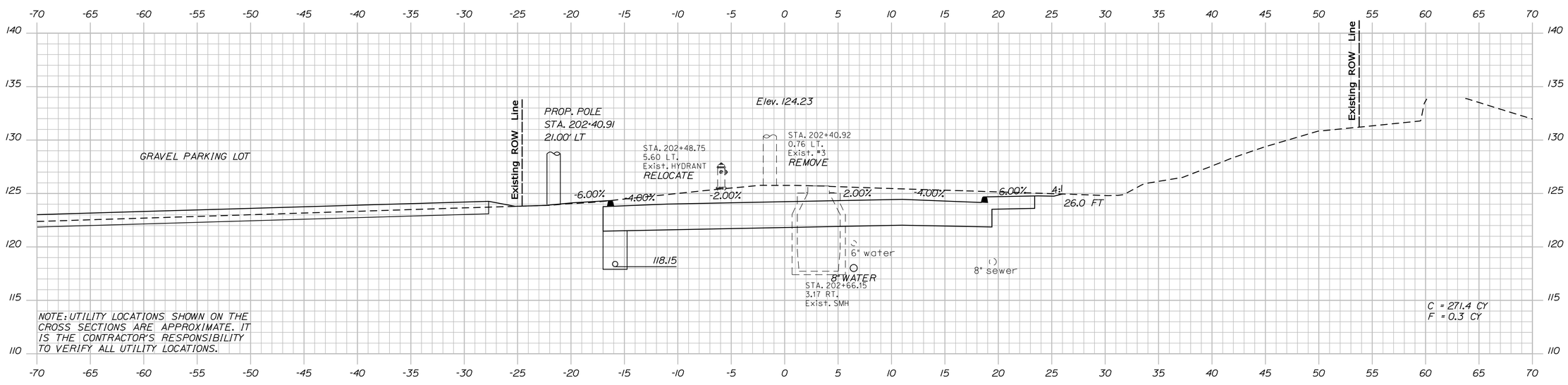
OF 187

Filename: ...\MSTA\131_XSECT_201+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 201+50.00 to Sta. 202+00.00



202+90.00 (SKEWED)



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

202+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

CROSS SECTIONS

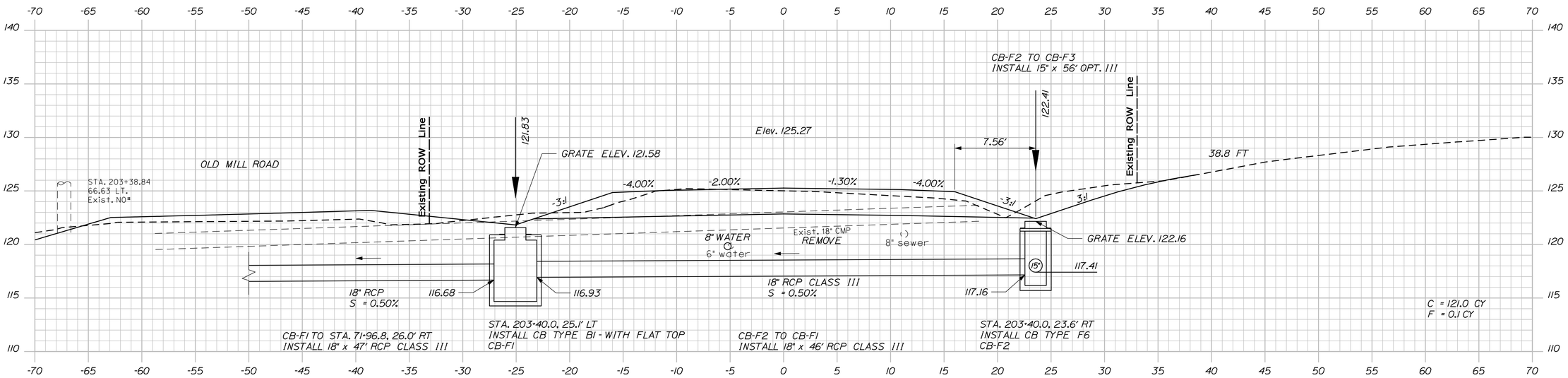
SHEET NUMBER

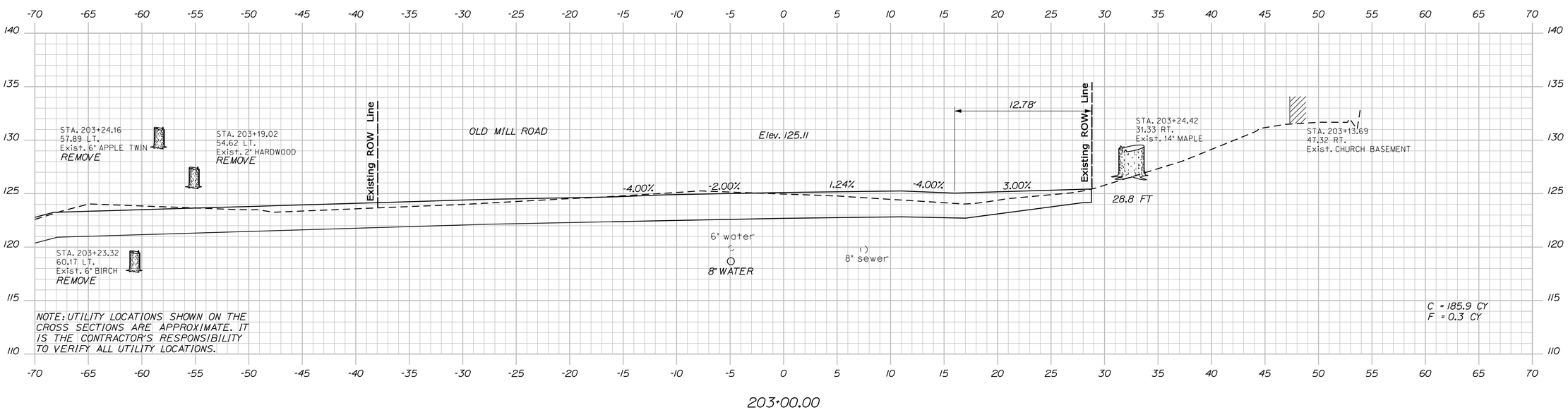
132

OF 187

Filename: ...\MSTA\132_XSECT_202+50_003.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 202+50.00 to Sta. 202+90.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

CROSS SECTIONS

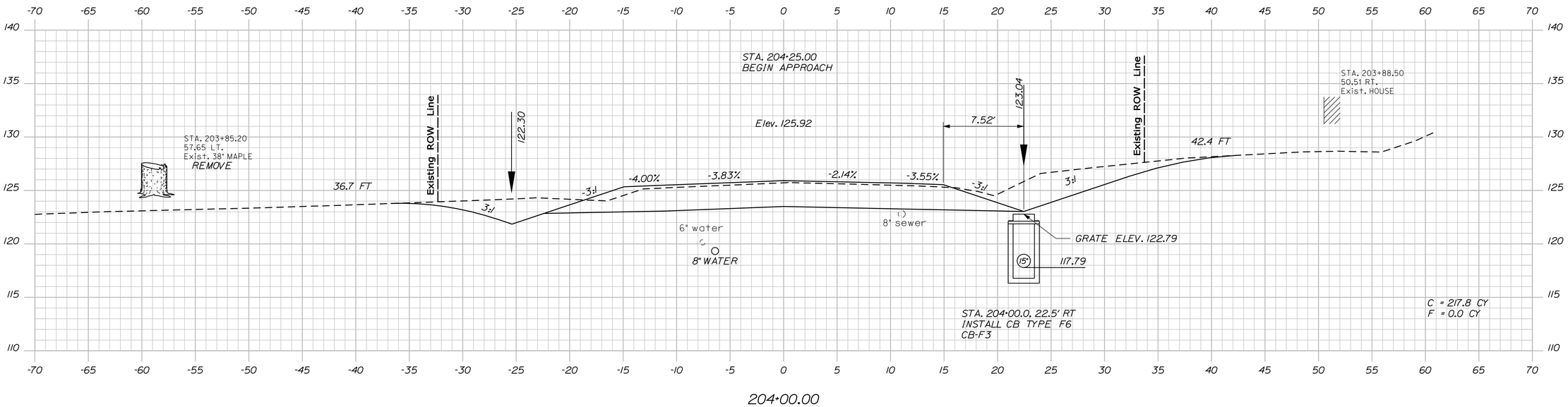
SHEET NUMBER

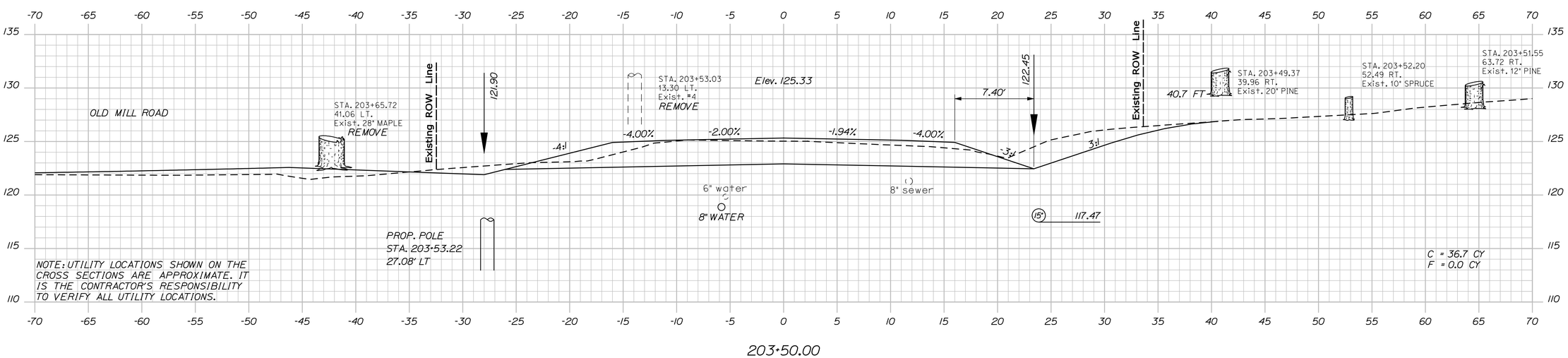
133

OF 187

Sta. 203+00.00 to Sta. 203+40.00

Filename: ...\MSTA\133_XSECT_203+00_004.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
ROUTE 179

CROSS SECTIONS

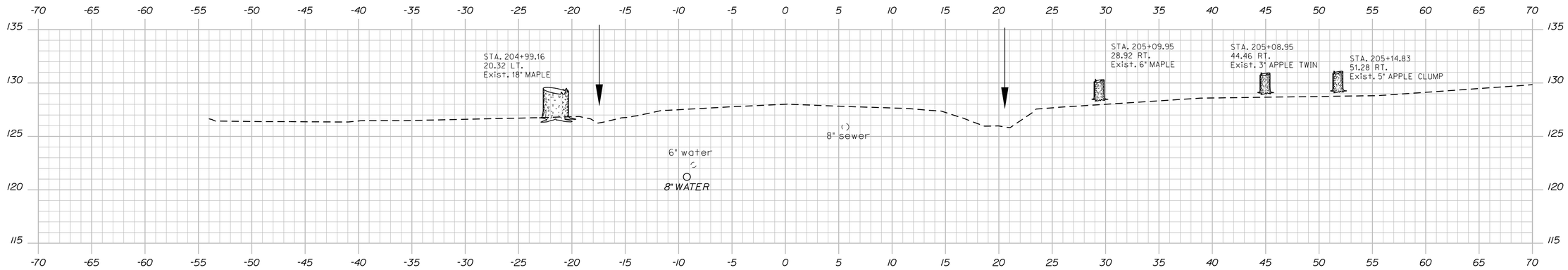
SHEET NUMBER

134

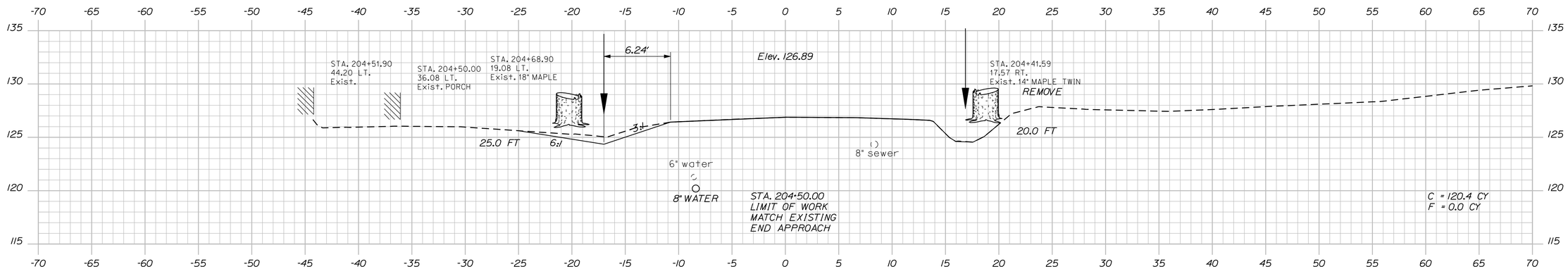
OF 187

Sta. 203+50.00 to Sta. 204+00.00

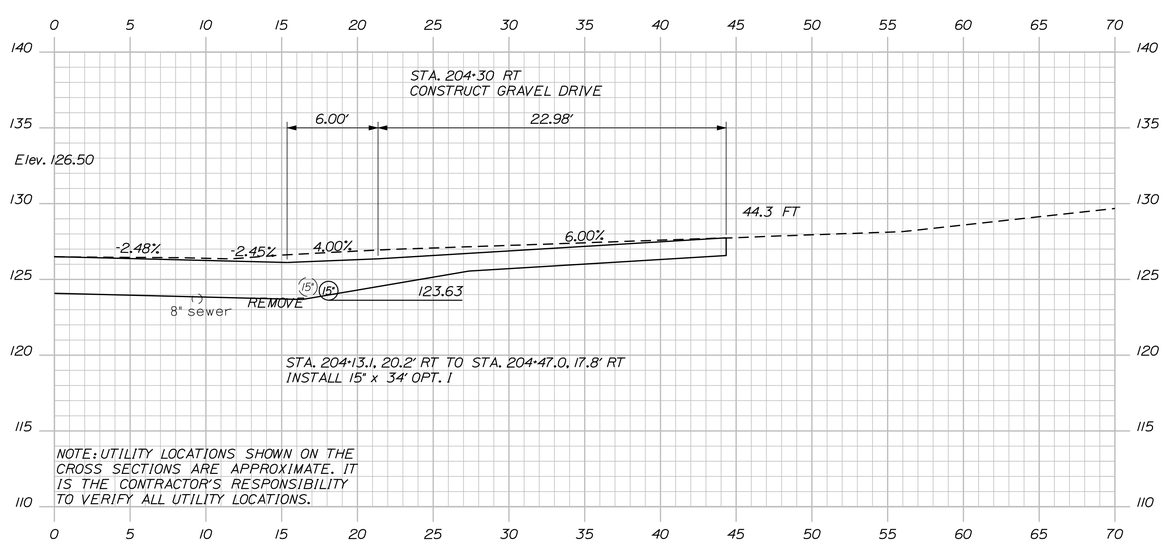
Filename: ...\MSTA\134_XSECT_203+50_005.dgn Division: Highway Username: jhilton Date:3/22/2016



205+00.00



204+50.00



204+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

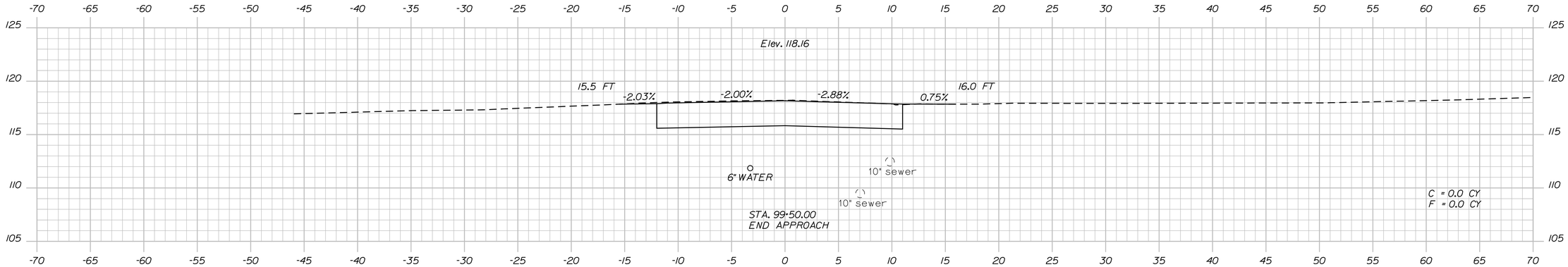
ELLSWORTH
ROUTE 179

CROSS SECTIONS

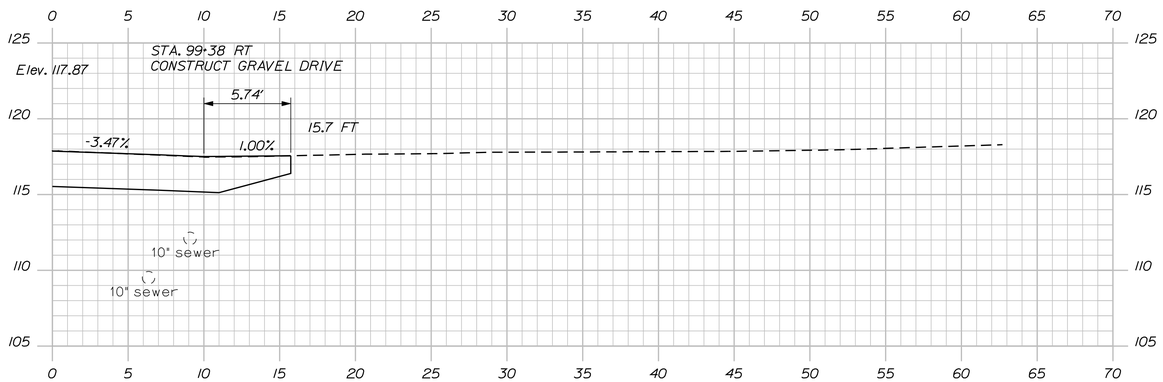
SHEET NUMBER
135
OF 187

Sta. 204+30.00 to Sta. 205+00.00

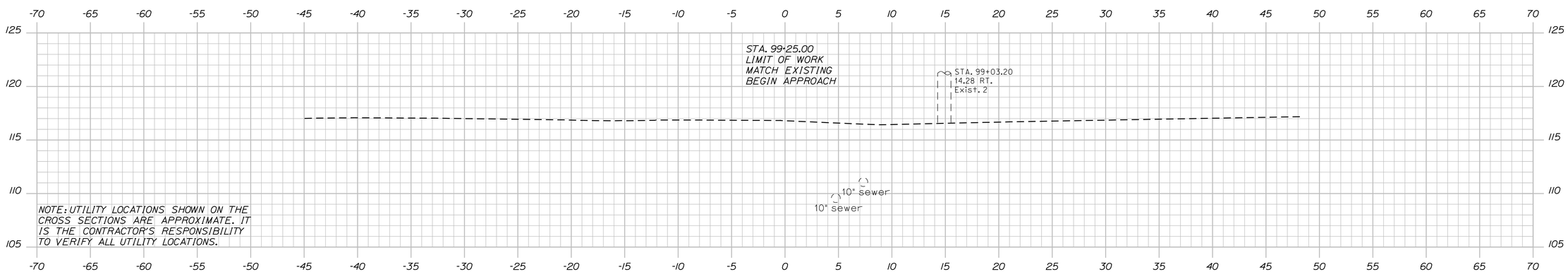
Filename: ...\MSTA\135_XSECT_204+30_006.dgn Division: Highway Username: jhilton Date:3/22/2016



99+50.00



99+38.00



99+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.S.,A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SHORE ROAD

CROSS SECTIONS

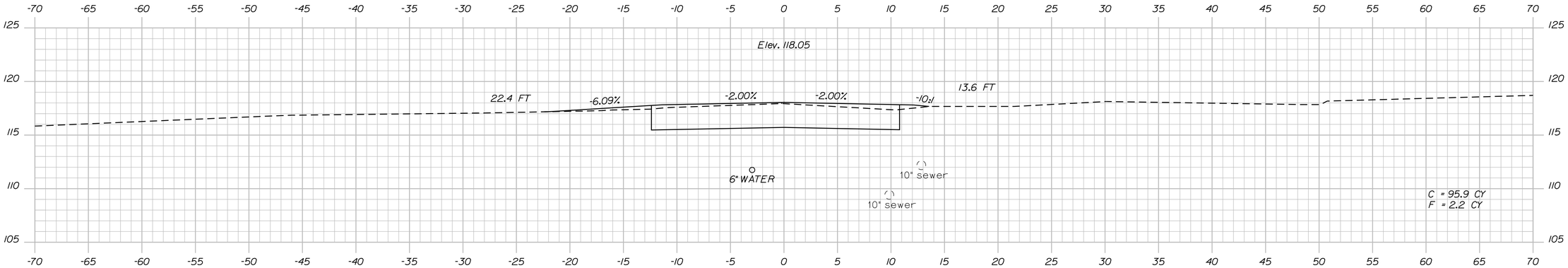
SHEET NUMBER

136

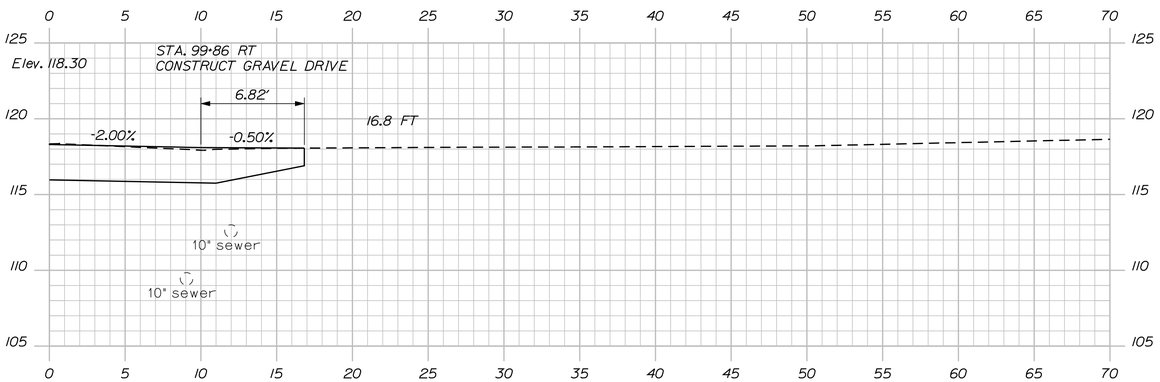
OF 187

Filename: ...\MSTA\136_XSECT_99+00_001.dgn Division: Highway Username: jhilton Date:3/22/2016

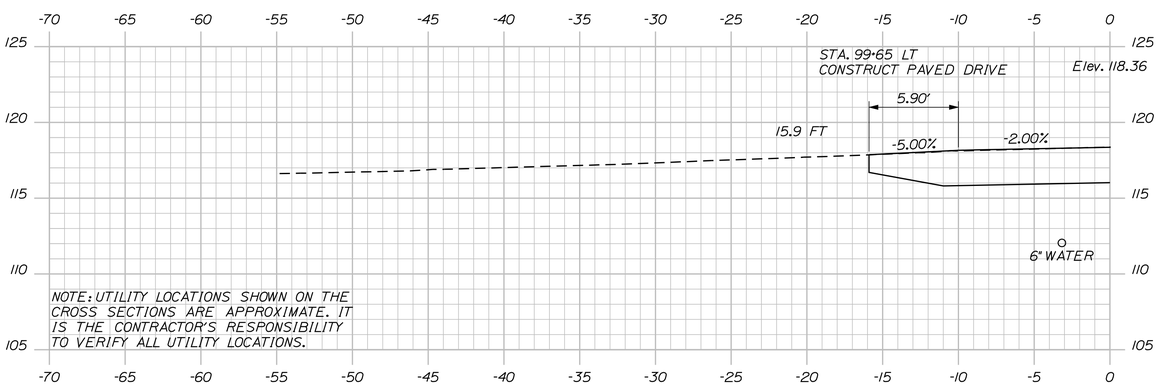
Sta. 99+00.00 to Sta. 99+50.00



100+00.00



99+86.00



99+65.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
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REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SHORE ROAD

CROSS SECTIONS

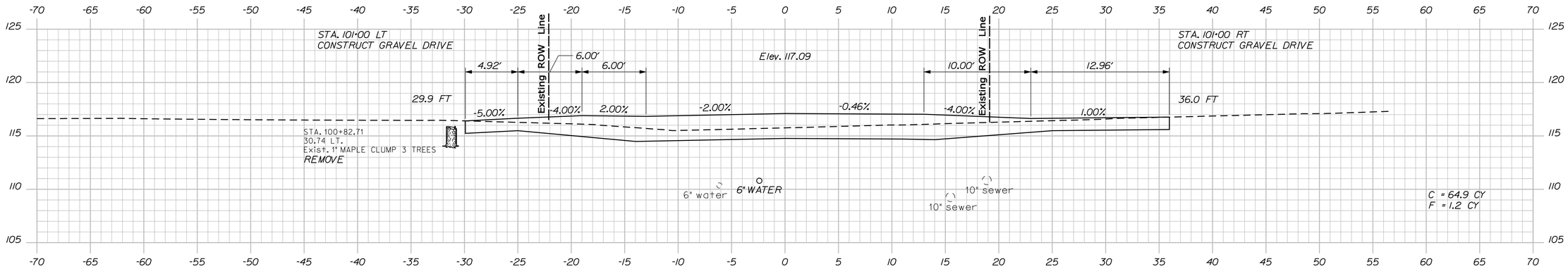
SHEET NUMBER

137

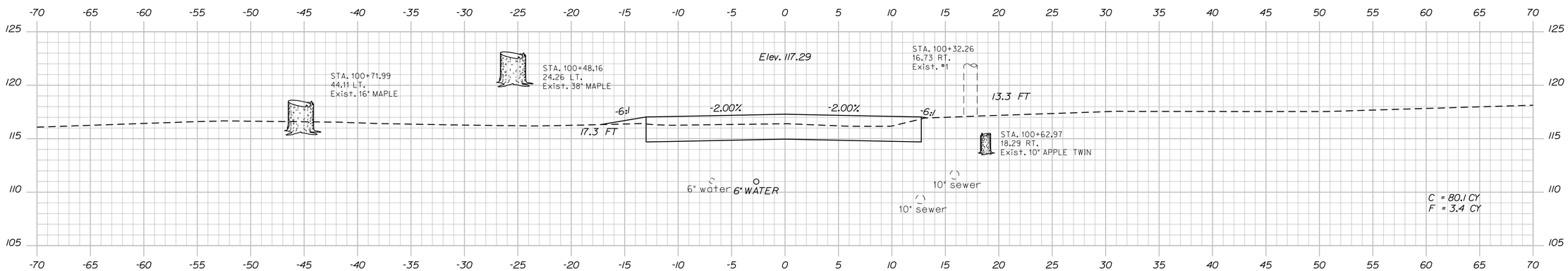
OF 187

Filename: ...\MSTA\137_XSECT_99+65_002.dgn Division: Highway Username: jhilton Date:3/22/2016

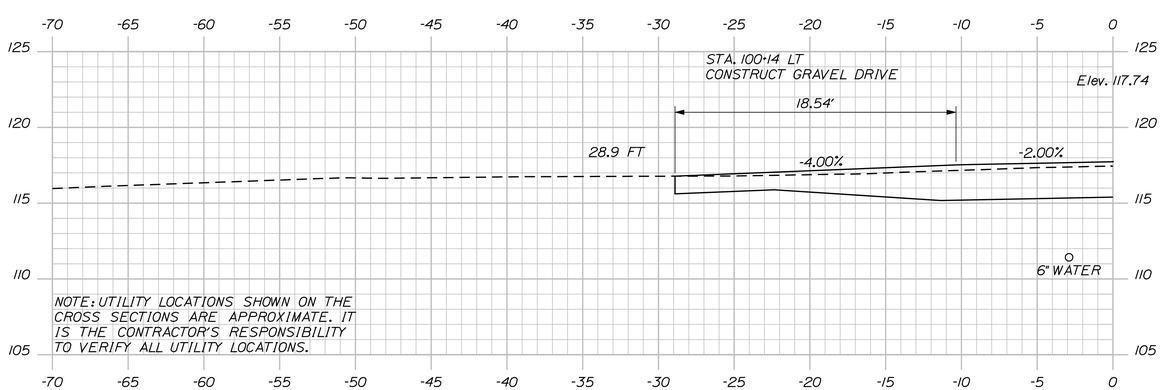
Sta. 99+65.00 to Sta. 100+00.00



101+00.00



100+50.00



100+14.00

Filename: ...\MSTA\138_XSECT_100+14_003.dgn Division: Highway Username: jhilton Date:3/22/2016

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

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P.E. NUMBER

DATE

ELLSWORTH
SHORE ROAD

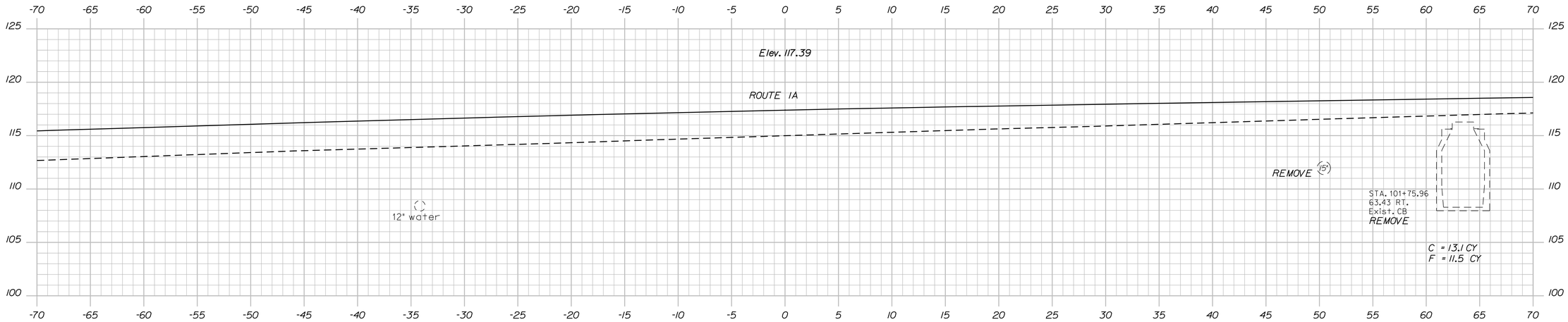
CROSS SECTIONS

SHEET NUMBER

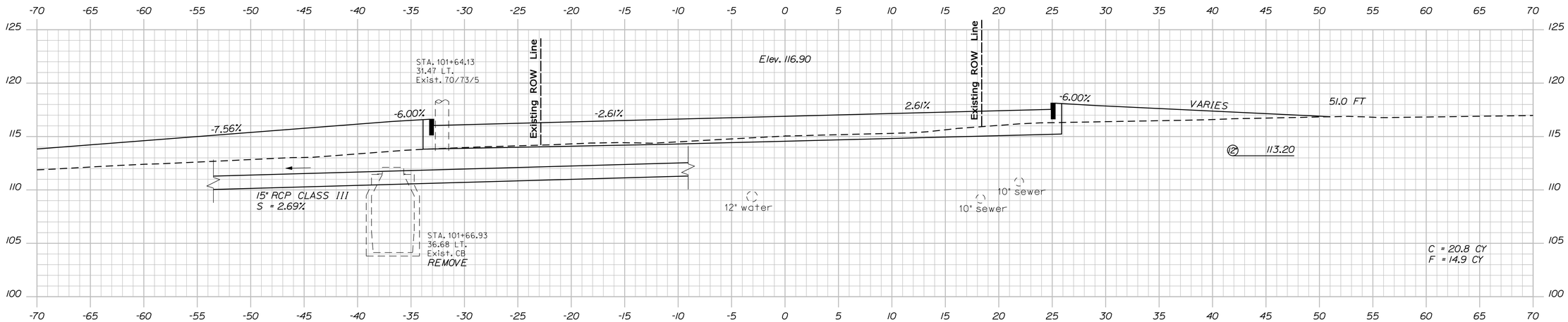
138

OF 187

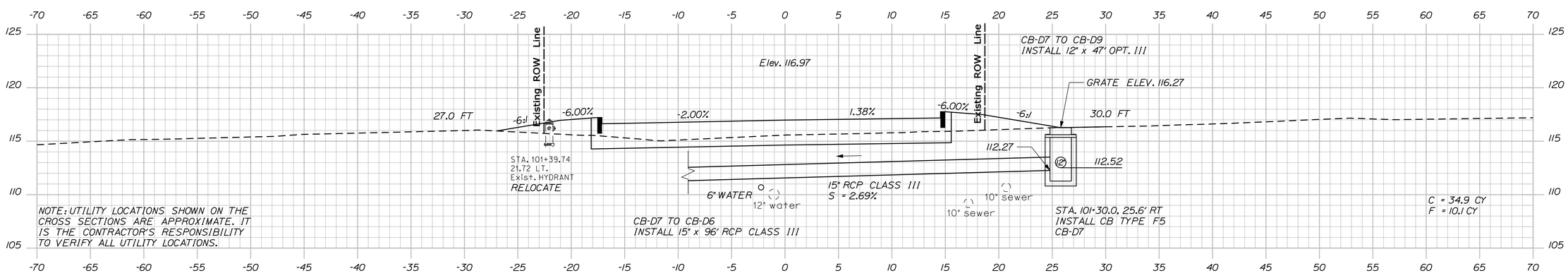
Sta. 100+14.00 to Sta. 101+00.00



101+86.00



101+50.00



101+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
SHORE ROAD

CROSS SECTIONS

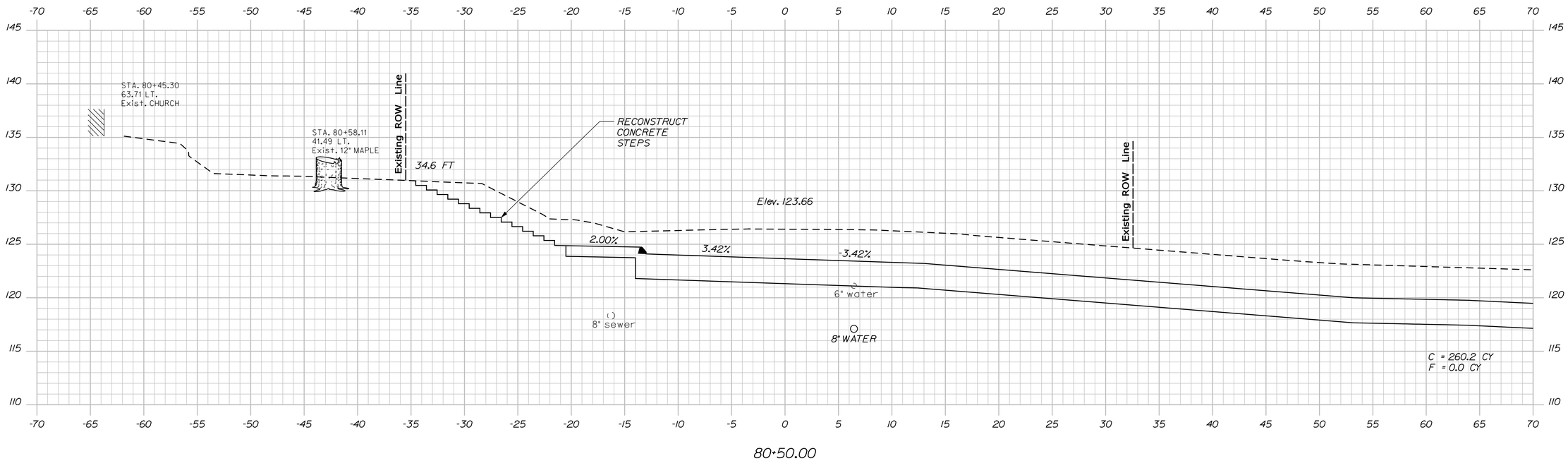
SHEET NUMBER

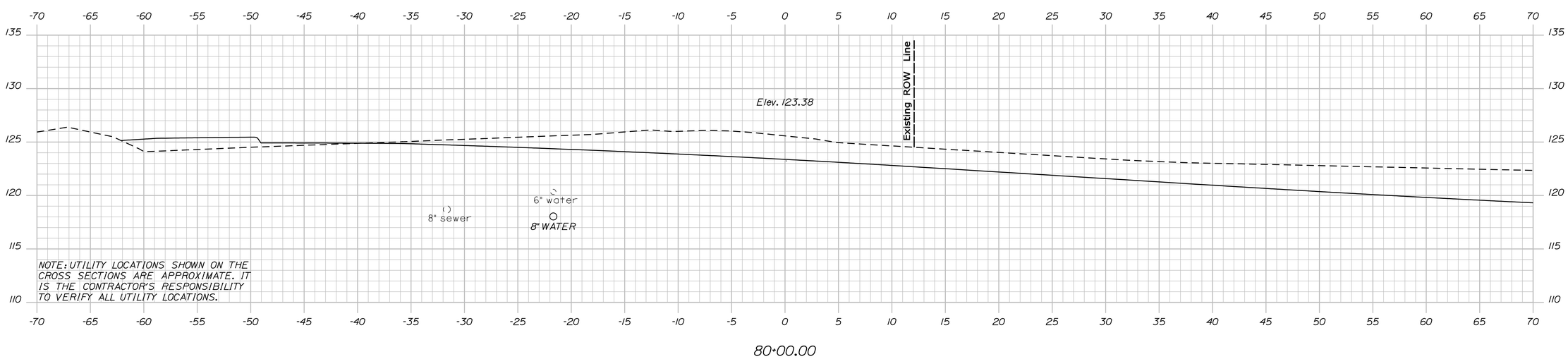
139

OF 187

Sta. 101+30.00 to Sta. 101+86.00

Filename: ...\MSTA\139_XSECT_101+30_004.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON		BY	DATE
DESIGN-DETAILED	J.M.H.		J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.		A.G.	03-2016
DESIGN2-DETAILED2	---		---	---
DESIGN3-DETAILED3	---		---	---
REVISIONS 1	---		---	---
REVISIONS 2	---		---	---
REVISIONS 3	---		---	---
REVISIONS 4	---		---	---
FIELD CHANGES	---		---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

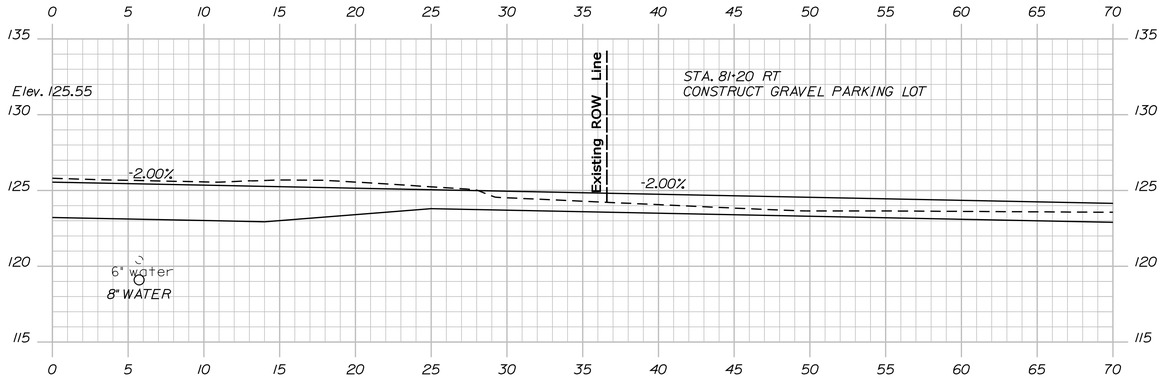
SHEET NUMBER

140

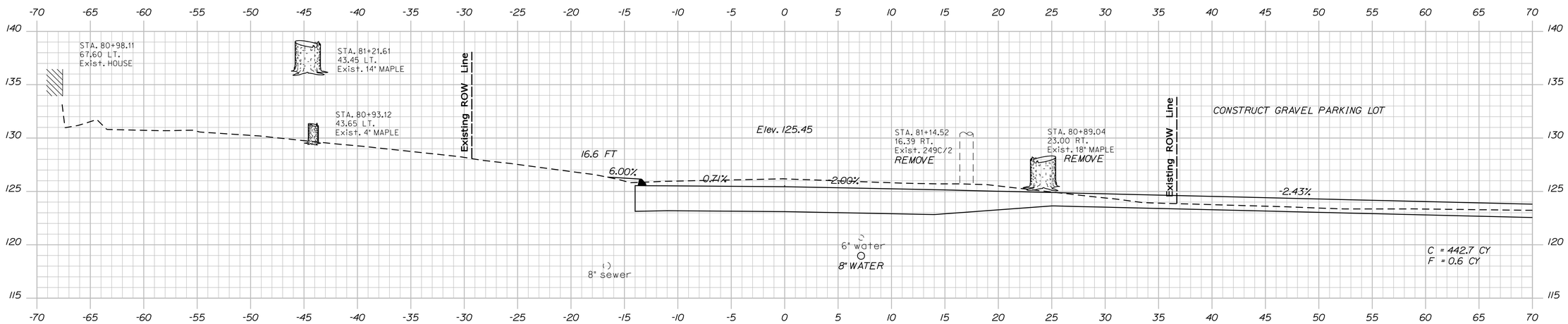
OF 187

Filename: ...\MSTA\140_XSECT_80+00_001.dgn Division: Highway Username: jhilton Date:3/22/2016

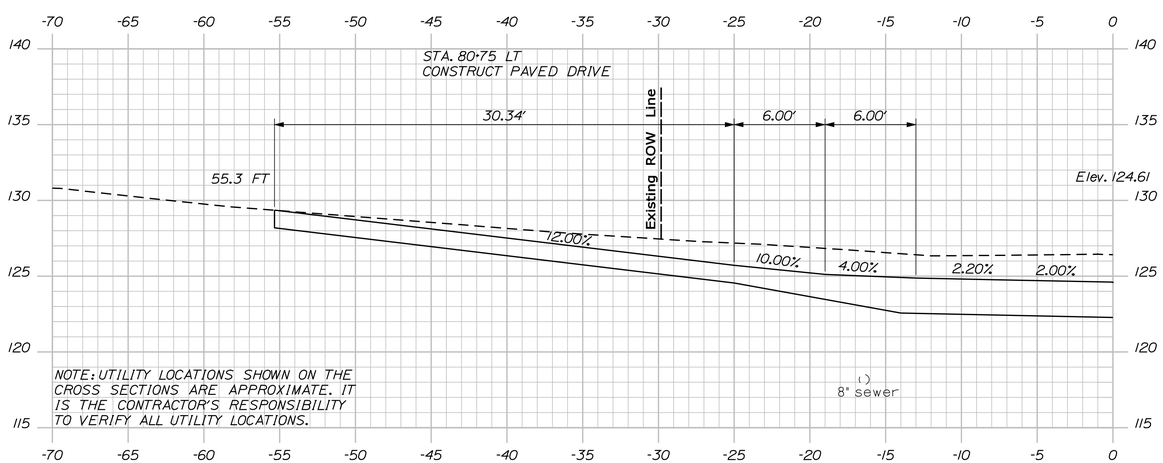
Sta. 80+00.00 to Sta. 80+50.00



81+20.00



81+00.00



80+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

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ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

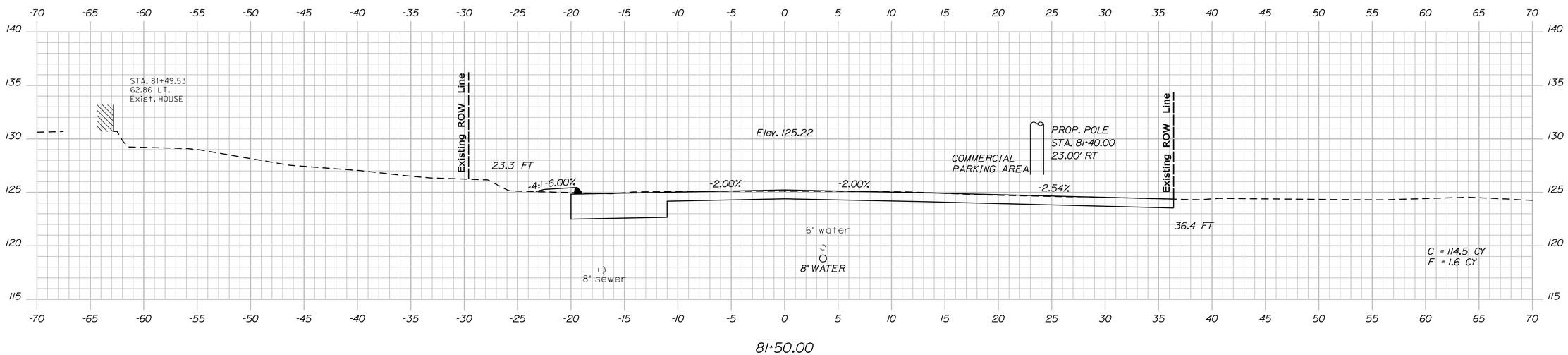
SHEET NUMBER

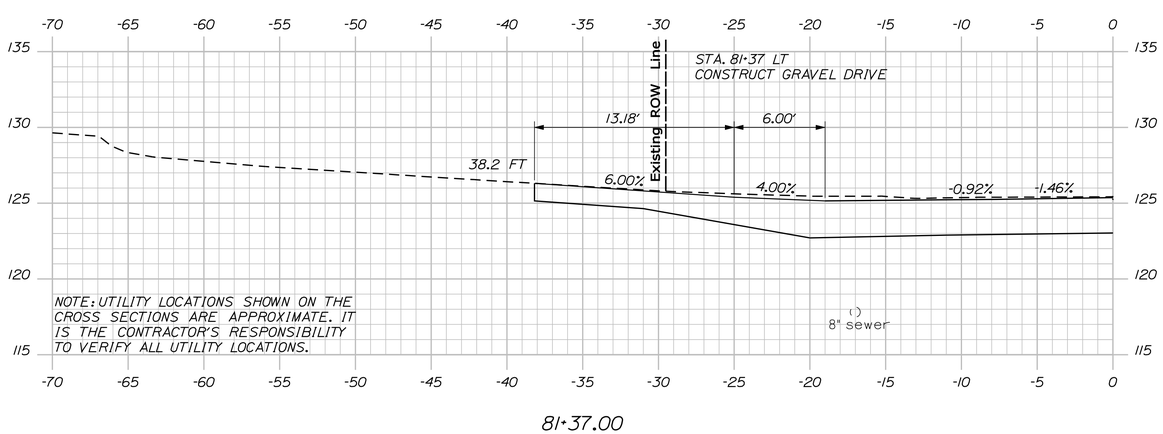
141

OF 187

Filename: ...\MSTA\141_XSECT_80+75_002.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 80+75.00 to Sta. 81+20.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
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REVISIONS 4	---	---	---
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ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

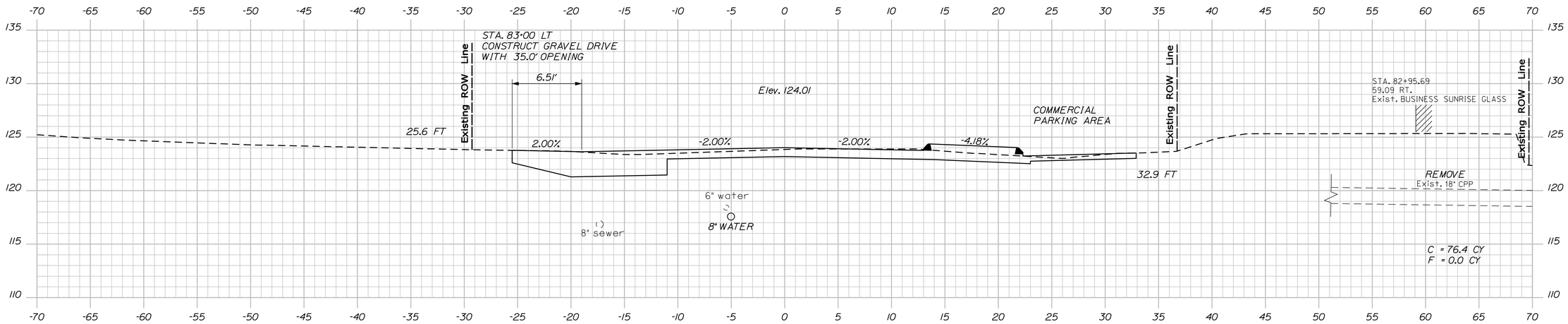
SHEET NUMBER

142

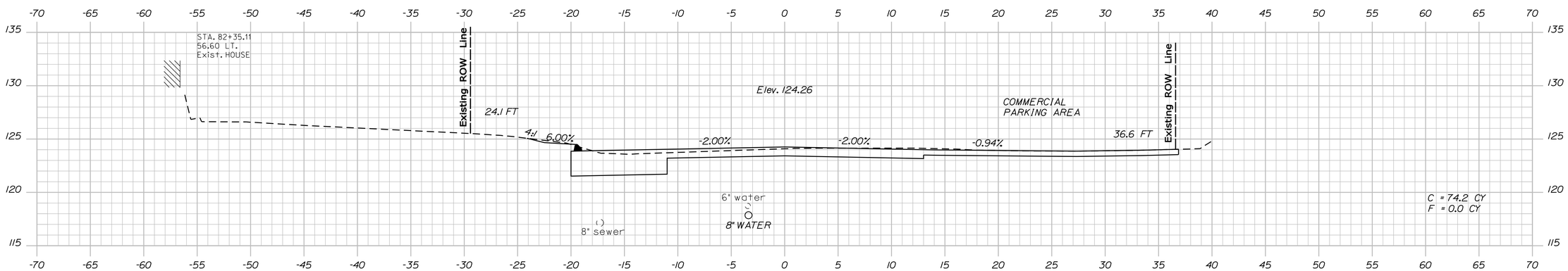
OF 187

Sta. 81+37.00 to Sta. 81+75.00

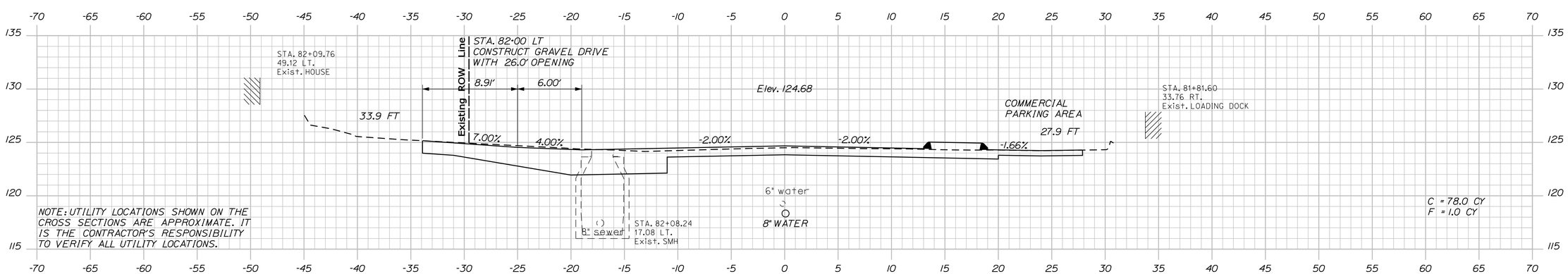
Filename: ...\MSTA\142_XSECT_81+37_003.dgn Division: Highway Username: jhilton Date:3/22/2016



83+00.00



82+50.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

82+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B. 03-2016
CHECKED-REVIEWED	J.M.H.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

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ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

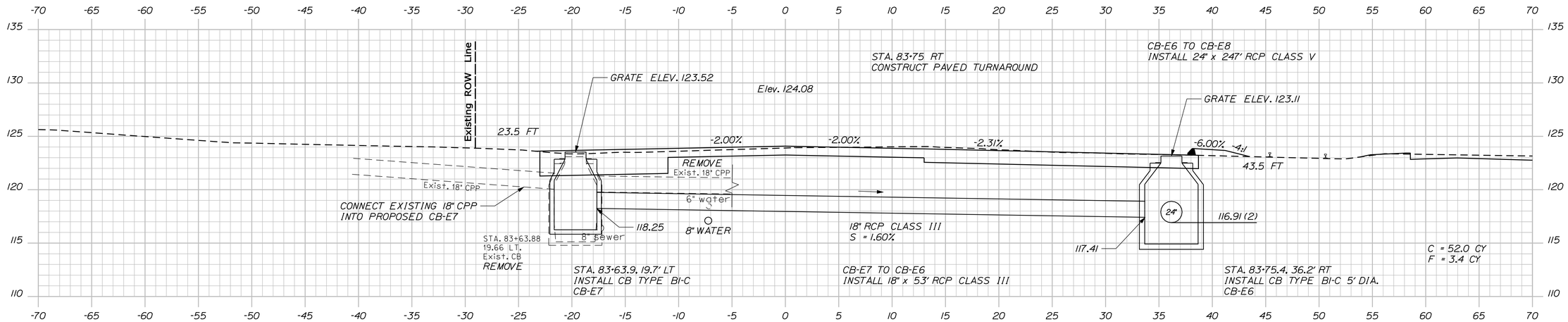
SHEET NUMBER

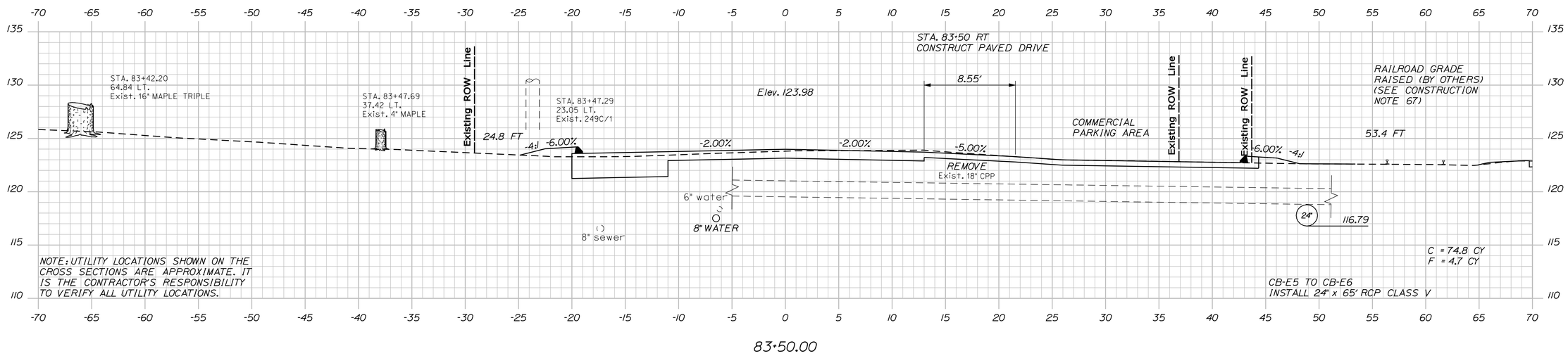
143

OF 187

Sta. 82+00.00 to Sta. 83+00.00

Filename: ...\MSTA\143_XSECT_82+00_004.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
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REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
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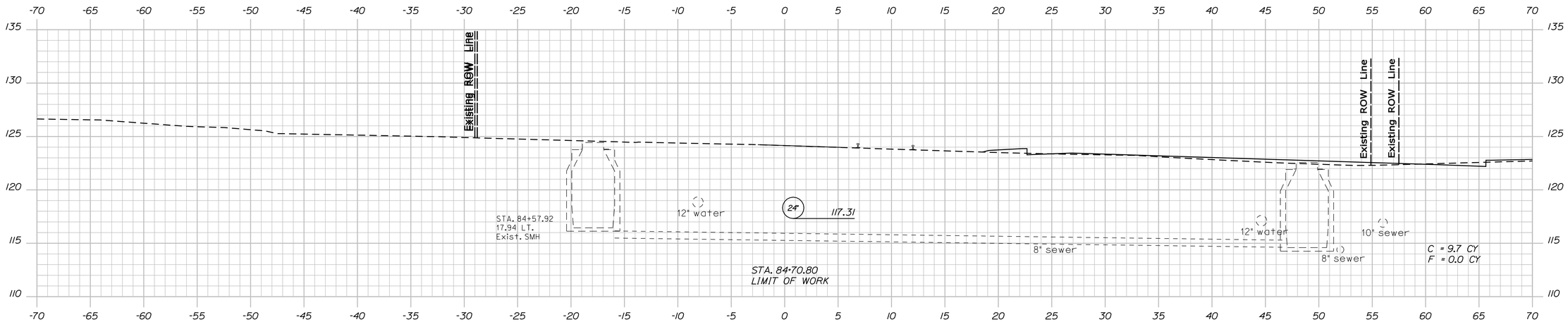
ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

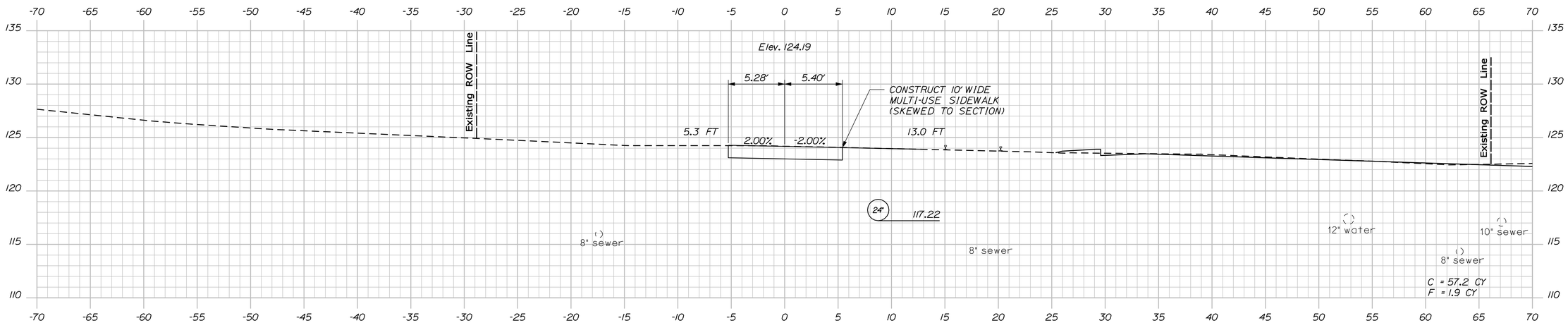
SHEET NUMBER
144
OF 187

Sta. 83+50.00 to Sta. 83+75.00

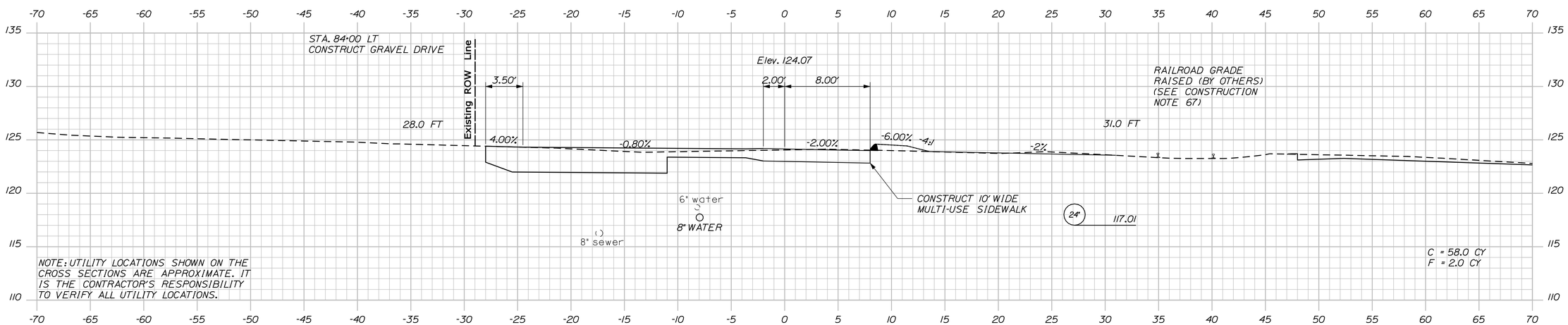
Filename: ...\MSTA\144_XSECT_83+50_005.dgn Division: Highway Username: jhilton Date:3/22/2016



84+71.65



84+50.00



84+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
OLD ROUTE 179

CROSS SECTIONS

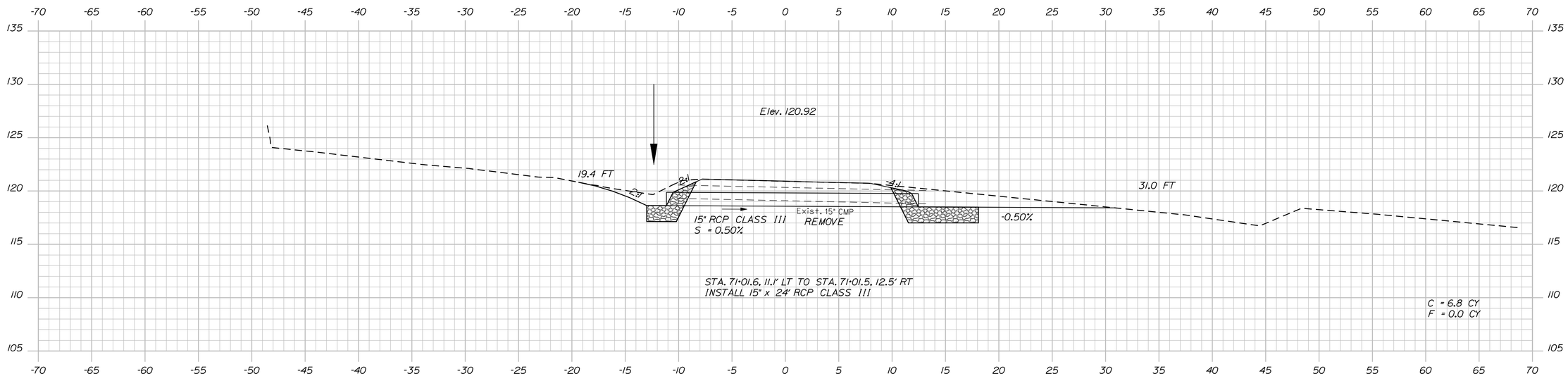
SHEET NUMBER

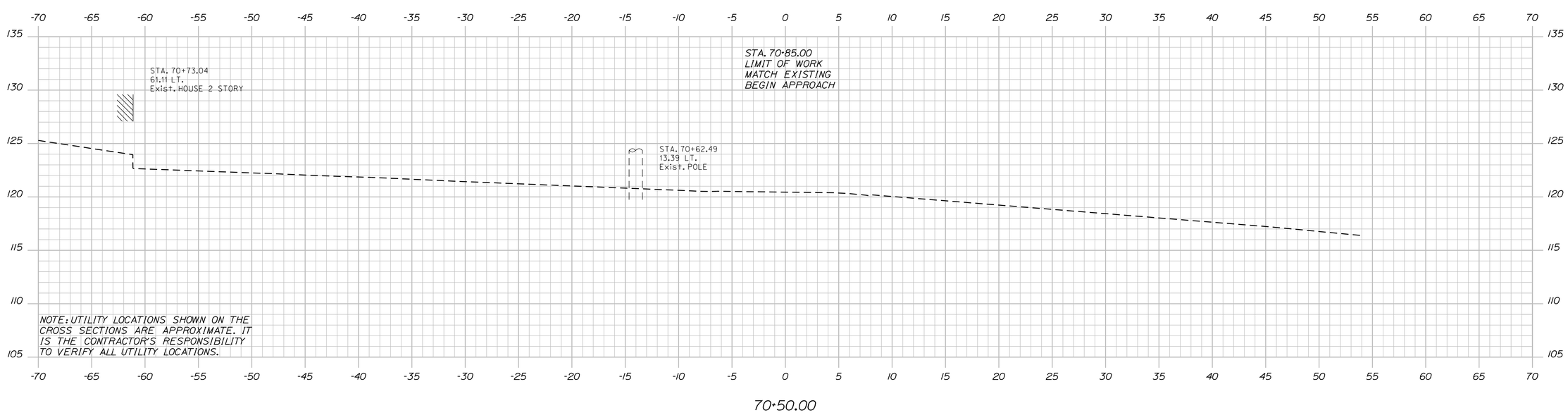
145

OF 187

Sta. 84+00.00 to Sta. 84+71.65

Filename: ...\MSTA\145_XSECT_84+00_006.dgn Division: Highway Username: jhilton Date:3/22/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
OLD MILL ROAD

CROSS SECTIONS

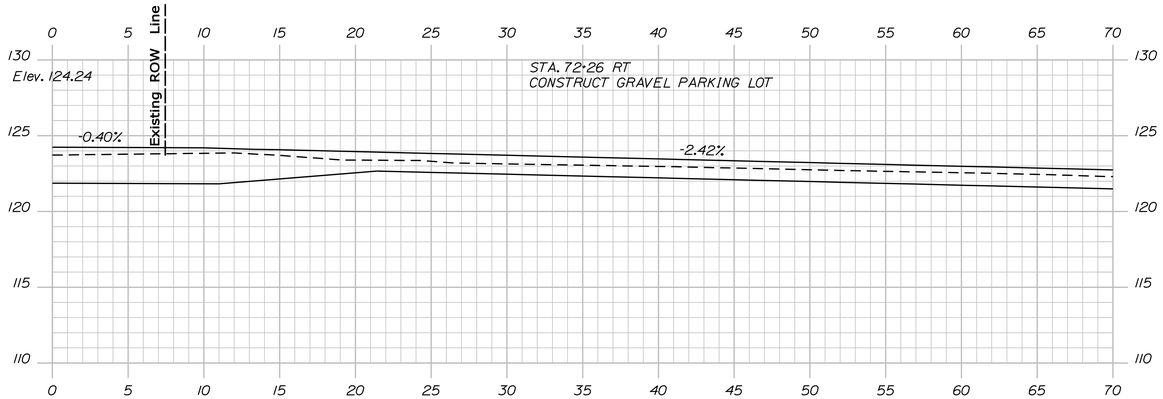
SHEET NUMBER

146

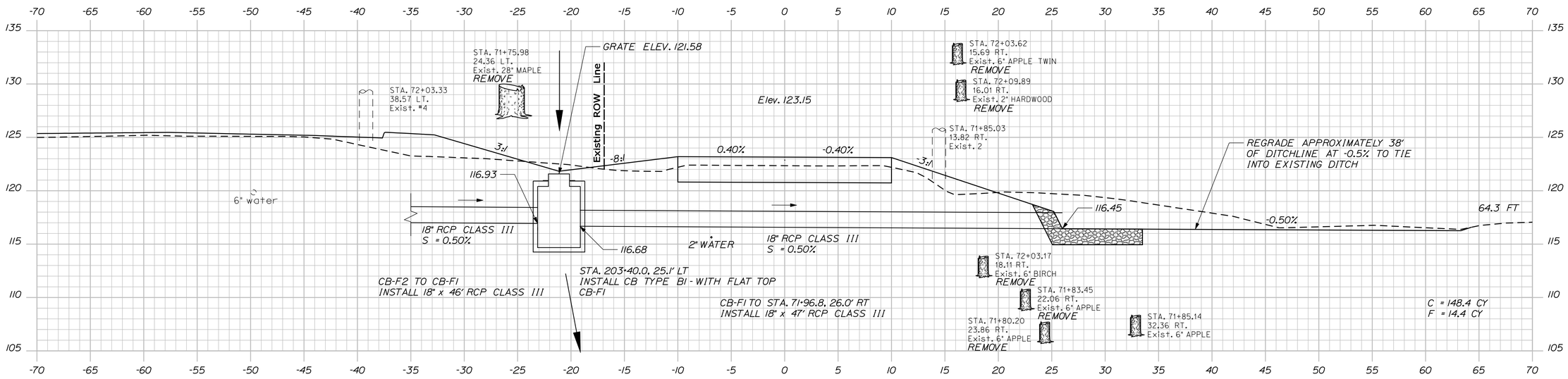
OF 187

Sta. 70+50.00 to Sta. 71+00.00

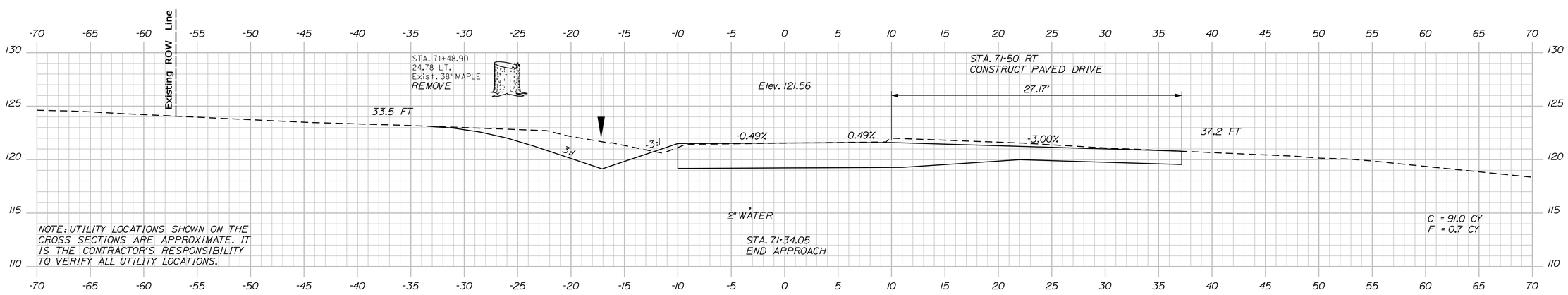
Filename: ...\MSTA\146_XSECT_70+50_001.dgn Division: Highway Username: jhilton Date:3/22/2016



72+26.00



72+00.00



NOTE: UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

71+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	R. MOULTON	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
OLD MILL ROAD

CROSS SECTIONS

SHEET NUMBER

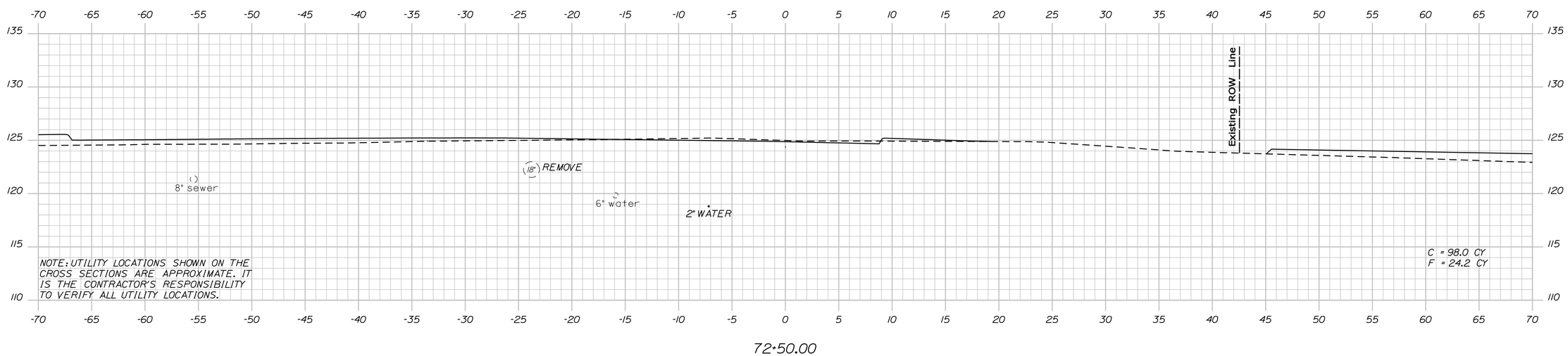
147

OF 187

Sta. 71+50.00 to Sta. 72+26.00

Filename: ...\MSTA\147_XSECT_71+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016

Filename: ...\MSTA\148_XSECT_72+50_003.dgn Division: Highway Username: jhilton Date:3/22/2016



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.,S.A.B.	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---		---
REVISIONS 2	---		---
REVISIONS 3	---		---
REVISIONS 4	---		---
FIELD CHANGES	---		---

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

ELLSWORTH
OLD MILL ROAD

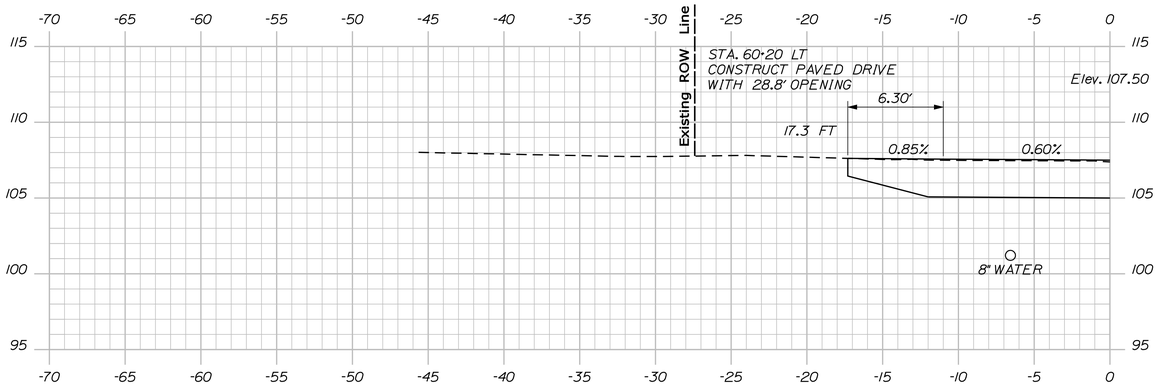
CROSS SECTIONS

SHEET NUMBER

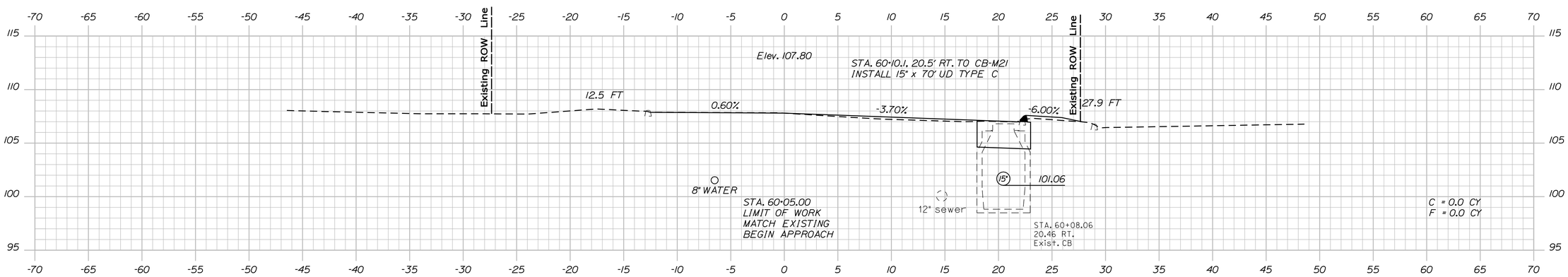
148

OF 187

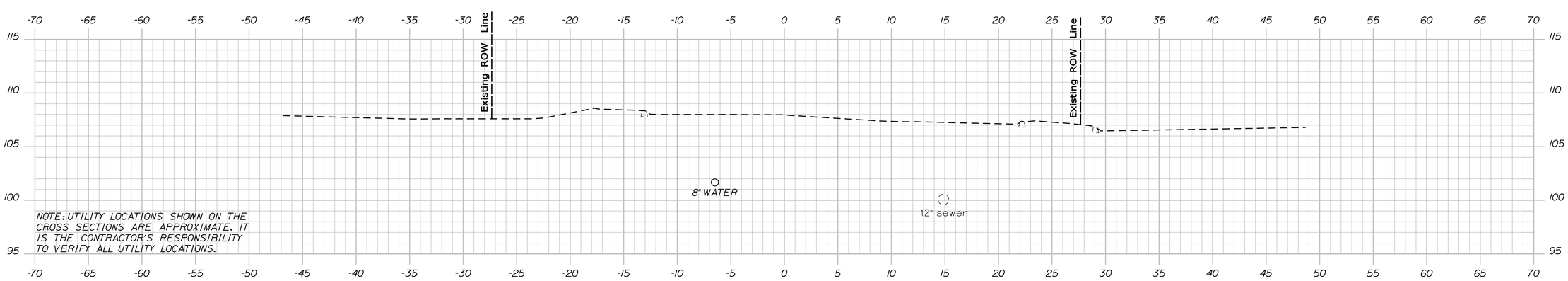
Sta. 72+50.00



60+20.00



60+05.00



60+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---		---
REVISIONS 2	---		---
REVISIONS 3	---		---
REVISIONS 4	---		---
FIELD CHANGES	---		---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
FOREST AVE

CROSS SECTIONS

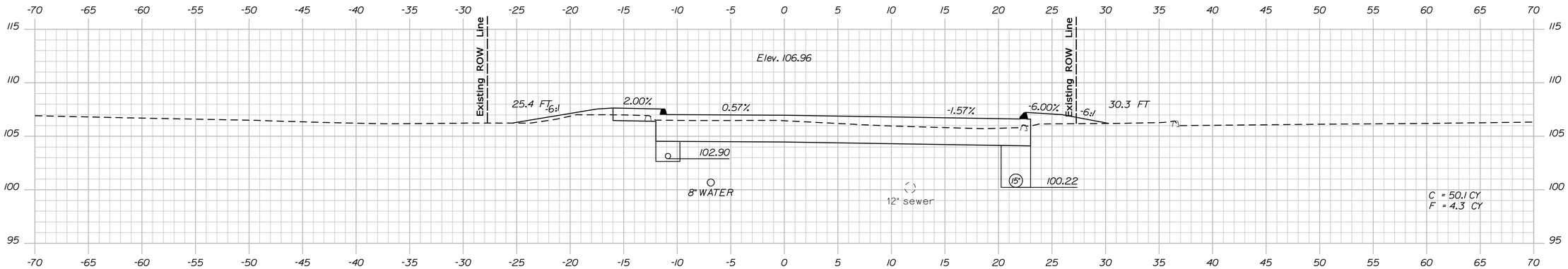
SHEET NUMBER

149

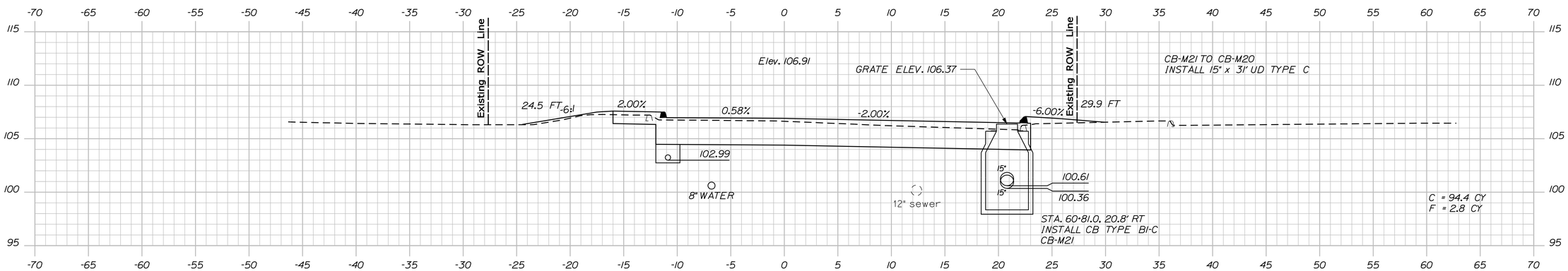
OF 187

Sta. 60+00.00 to Sta. 60+20.00

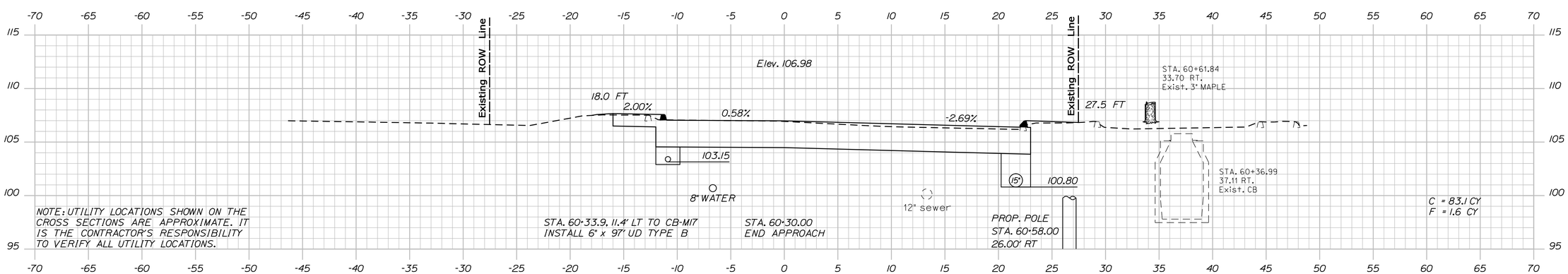
Filename: ...\MSTA\149_XSECT_60+00_001.dgn Division: Highway Username: jhilton Date:3/22/2016



61+00.00



60+81.00



60+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

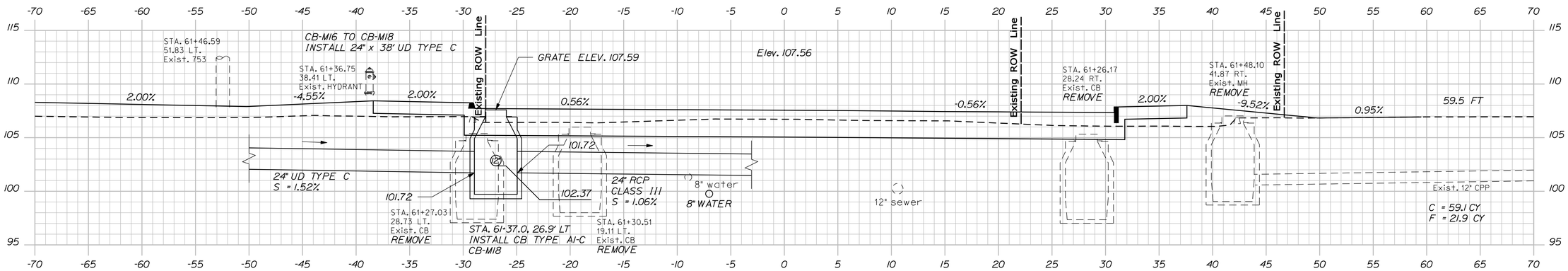
ELLSWORTH
FOREST AVE

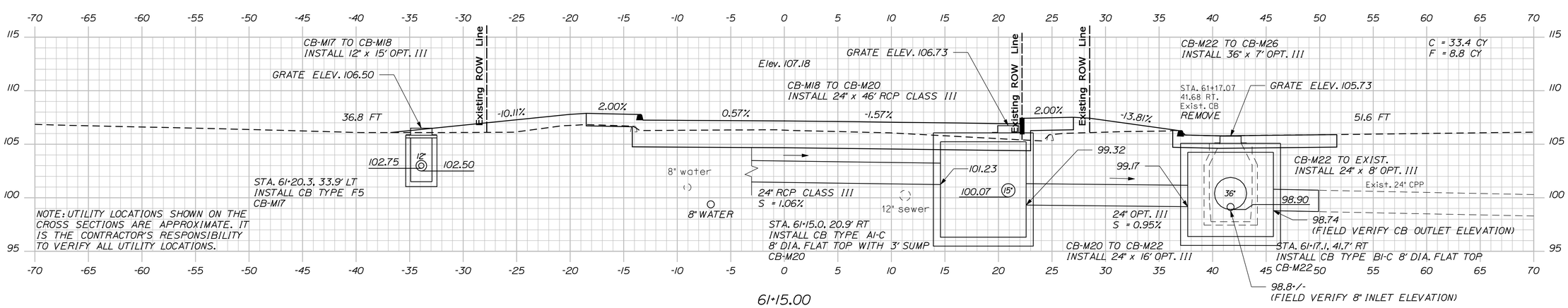
CROSS SECTIONS

SHEET NUMBER
150
OF 187

Filename: ...\MSTA\150_XSECT_60+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016

Sta. 60+50.00 to Sta. 61+00.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

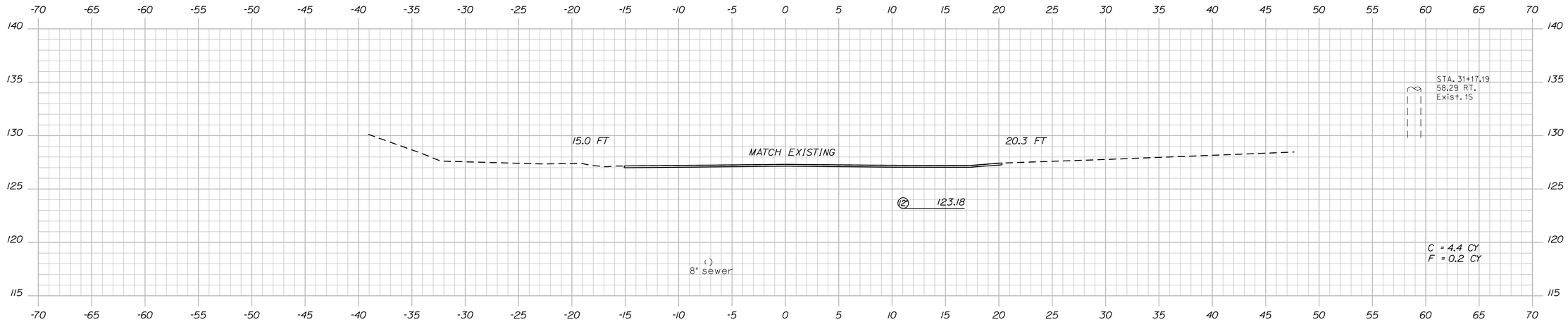
ELLSWORTH
FOREST AVE

CROSS SECTIONS

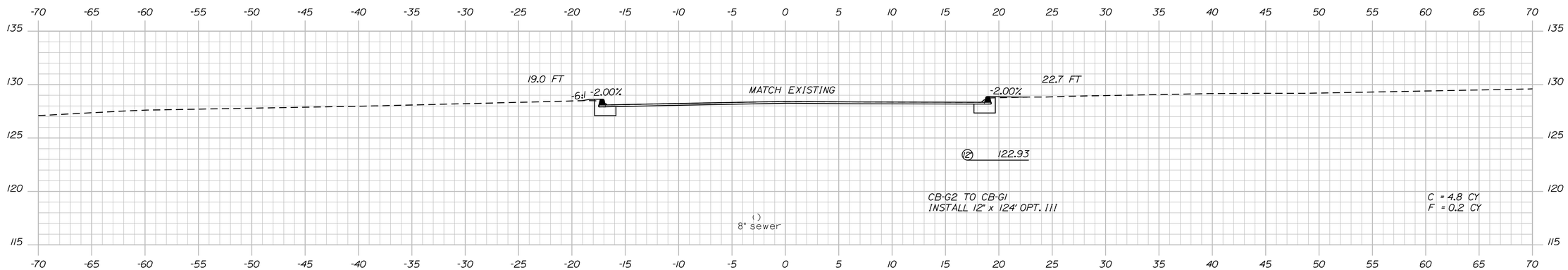
SHEET NUMBER
151
OF 187

Filename: ...\MSTA\151_XSECT_61+15_003.dgn Division: Highway Username: jhilton Date:3/22/2016

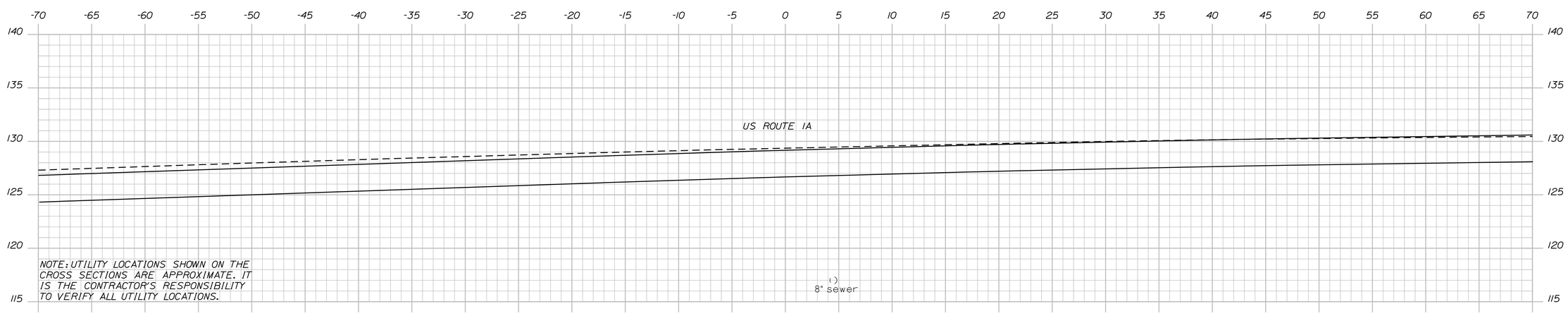
Sta. 61+15.00 to Sta. 61+37.00



31+00.00



30+50.00



30+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
LAKES LANE

CROSS SECTIONS

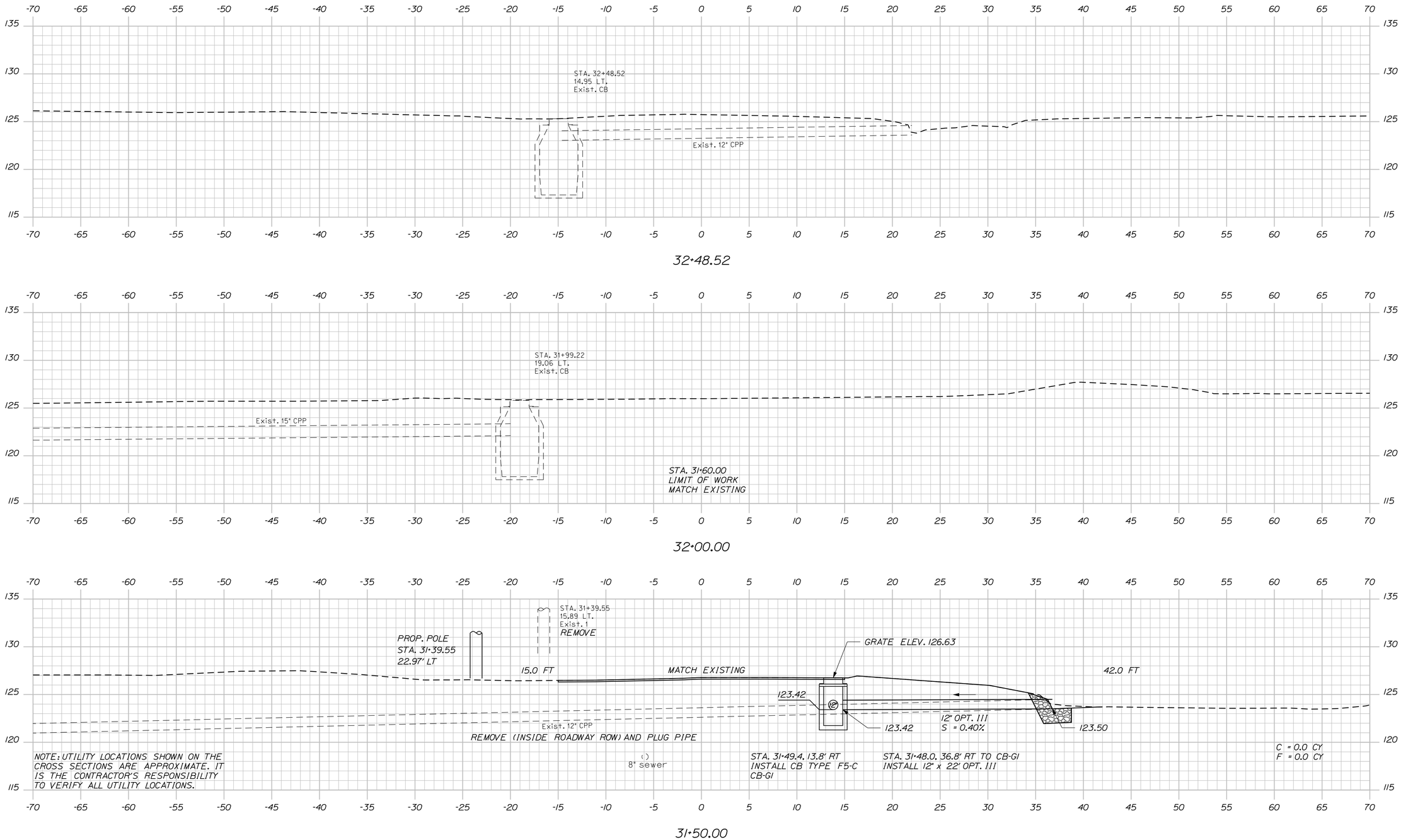
SHEET NUMBER

152

OF 187

Sta. 30+00.00 to Sta. 31+00.00

Filename: ...\MSTA\152_XSECT_30+00_001.dgn Division: Highway Username: jhilton Date:3/22/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
LAKES LANE

CROSS SECTIONS

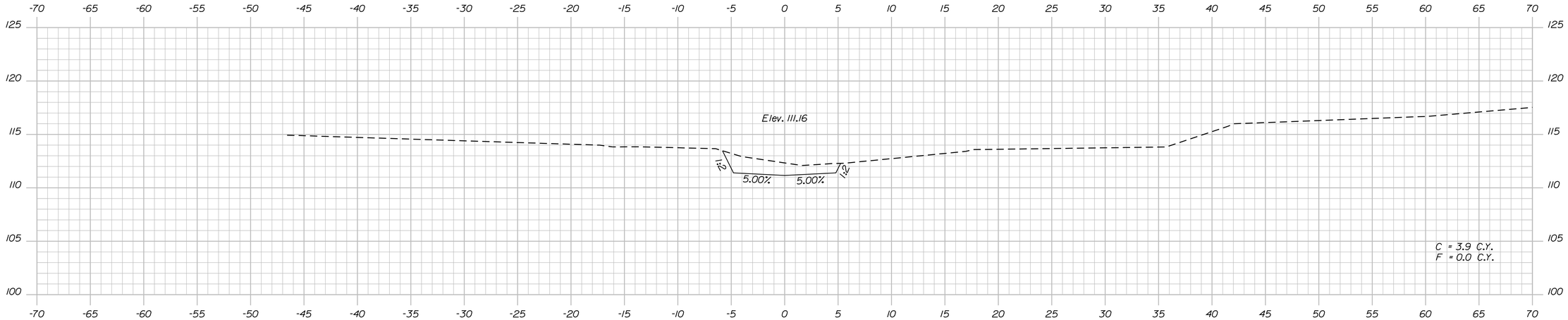
SHEET NUMBER

153

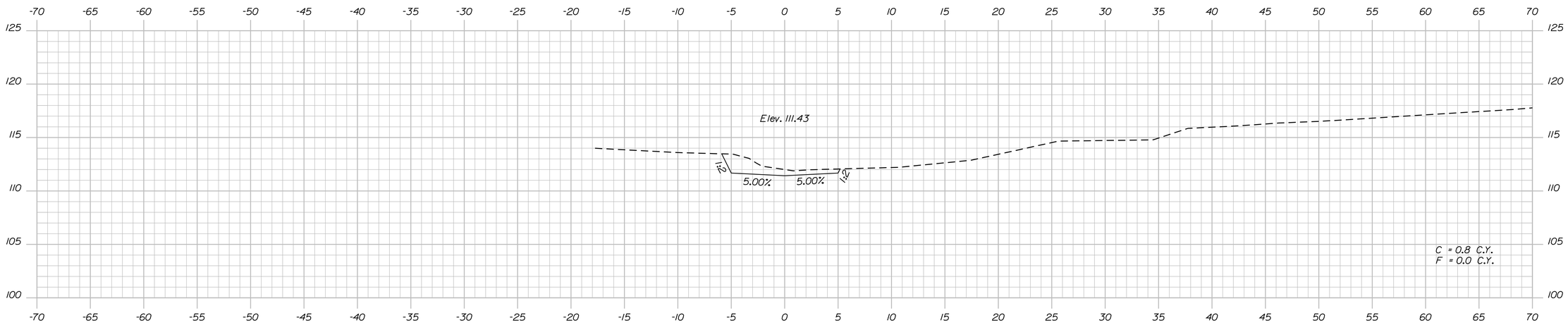
OF 187

Sta. 31+50.00 to Sta. 32+48.52

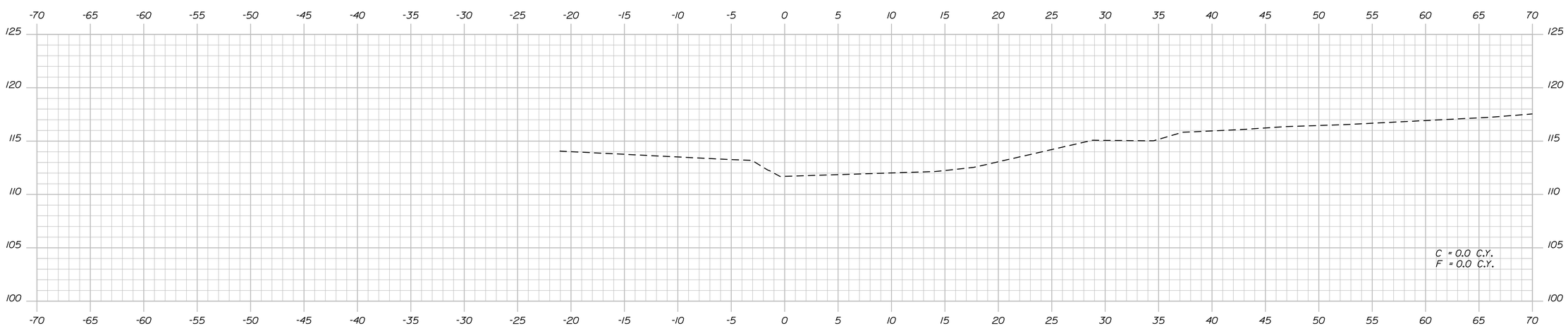
Filename: ...\MSTA\153_XSECT_31+50_002.dgn Division: Highway Username: jhilton Date:3/22/2016



10+80.00



10+70.00



10+60.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON			
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016	
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016	
DESIGN2-DETAILED2	---	---	---	
DESIGN3-DETAILED3	---	---	---	
REVISIONS 1	---	---	---	
REVISIONS 2	---	---	---	
REVISIONS 3	---	---	---	
REVISIONS 4	---	---	---	
FIELD CHANGES	---	---	---	

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

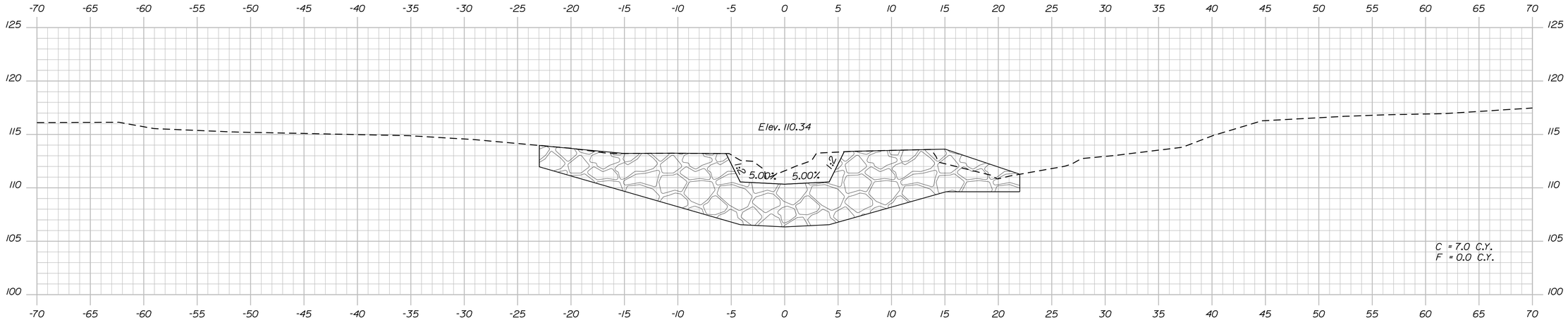
SHEET NUMBER

154

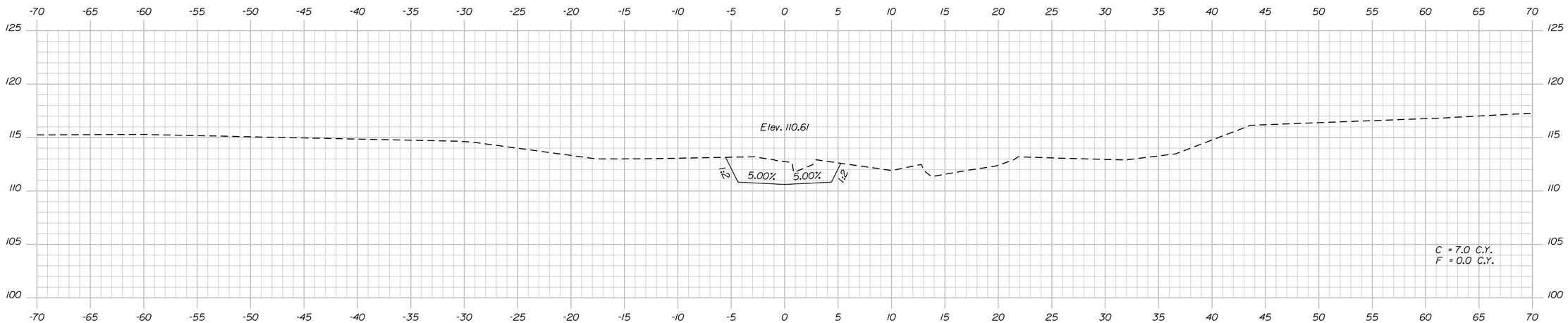
OF 187

Sta. 10+60.00 to Sta. 10+80.00

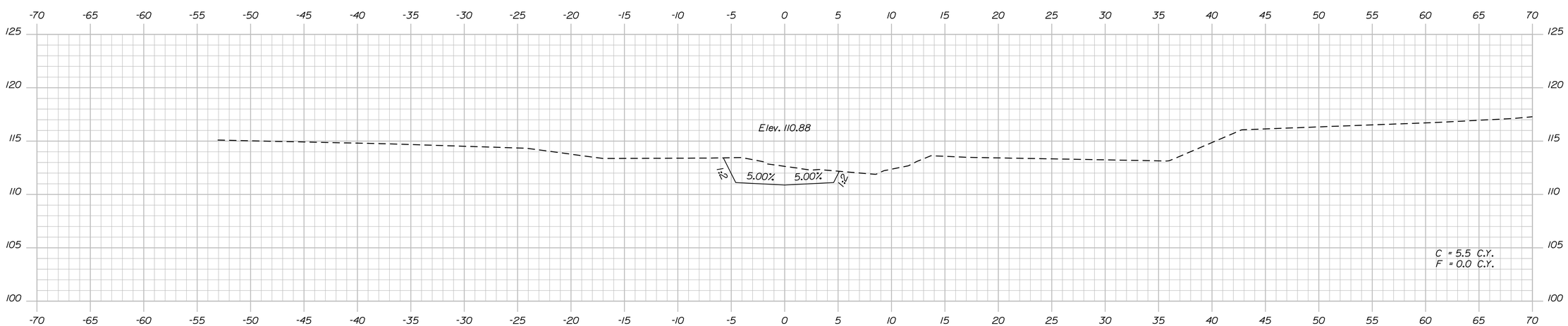
Filename: ...\MSTA\154_XSECT_10+60_001.dgn Division: Highway Username: jhilton Date:3/22/2016



11+10.00



11+00.00



10+90.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

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ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

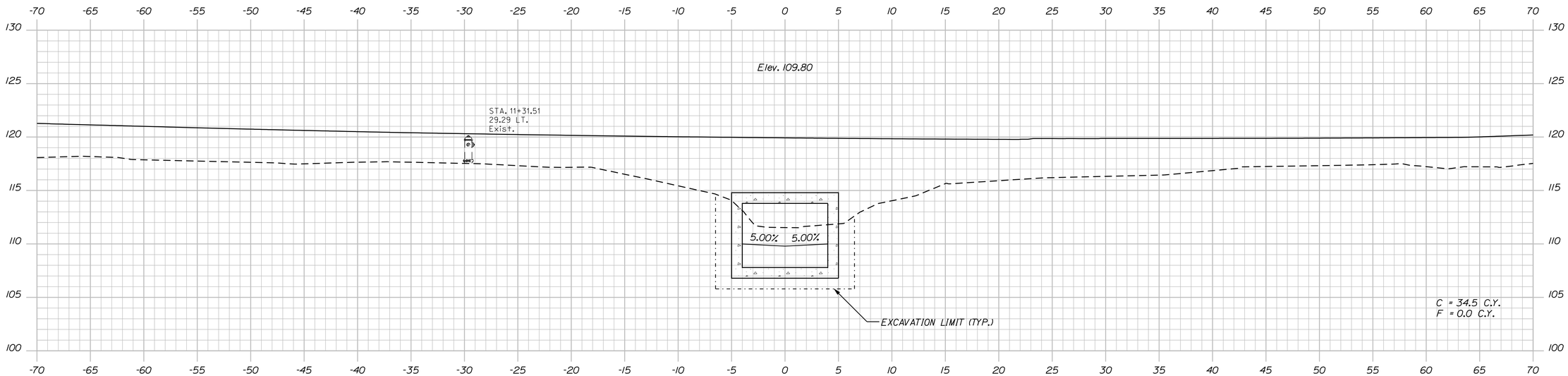
SHEET NUMBER

155

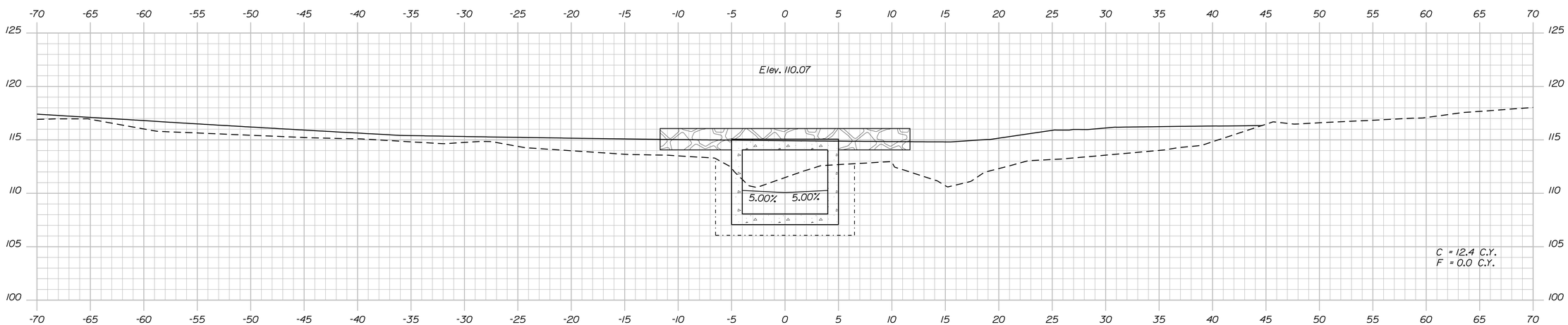
OF 187

Sta. 10+90.00 to Sta. 11+10.00

Filename: ...\MSTA\155_XSECT_10+90_002.dgn Division: Highway Username: jhilton Date:3/22/2016



11+30.00



11+20.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
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P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

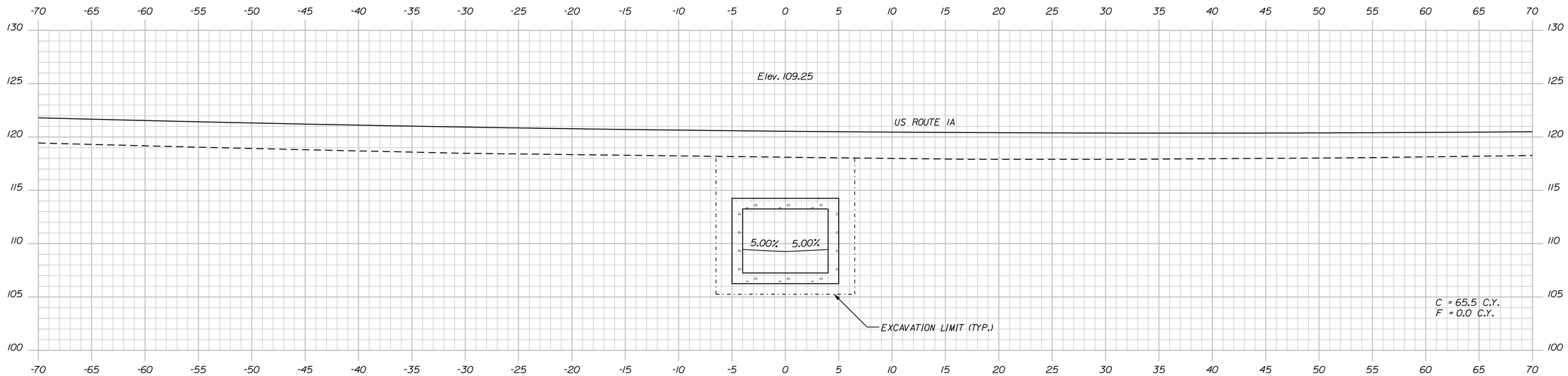
SHEET NUMBER

156

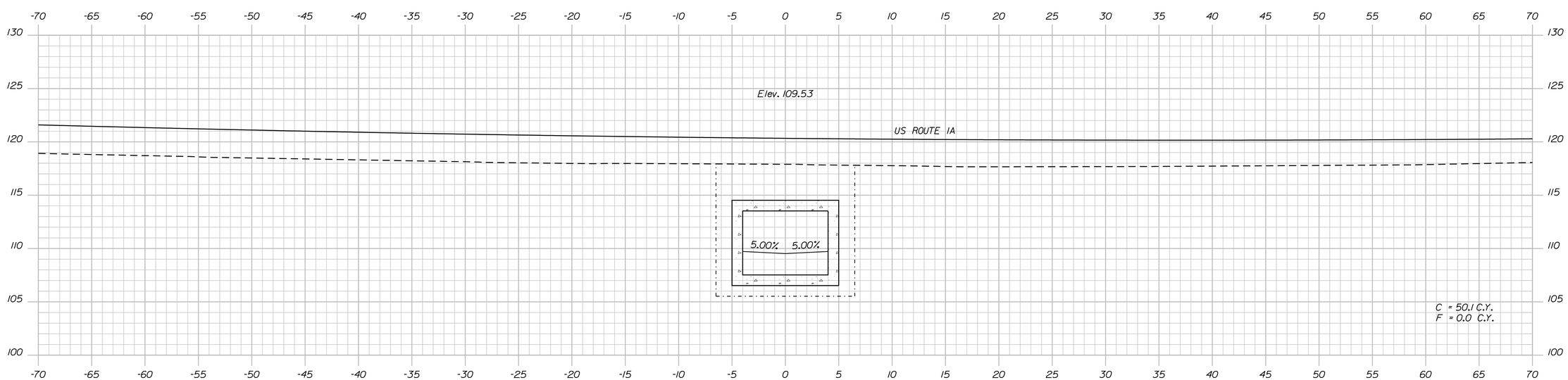
OF 187

Sta. 11+20.00 to Sta. 11+30.00

Filename: ...\MSTA\156_XSECT_11+20_003.dgn Division: Highway Username: jhilton Date:3/22/2016



11+50.00



11+40.00

Sta. 11+40.00 to Sta. 11+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

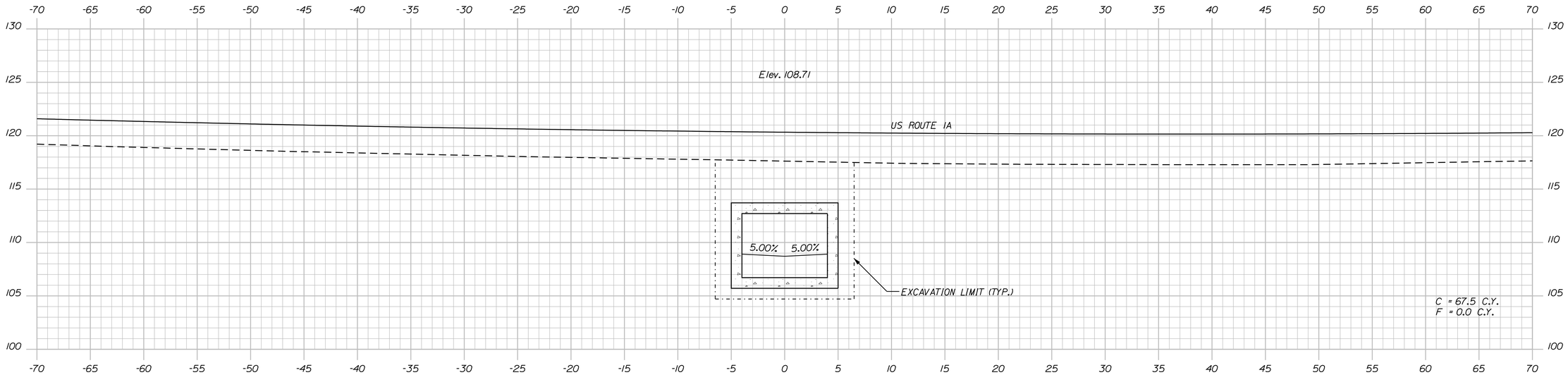
CROSS SECTIONS

SHEET NUMBER

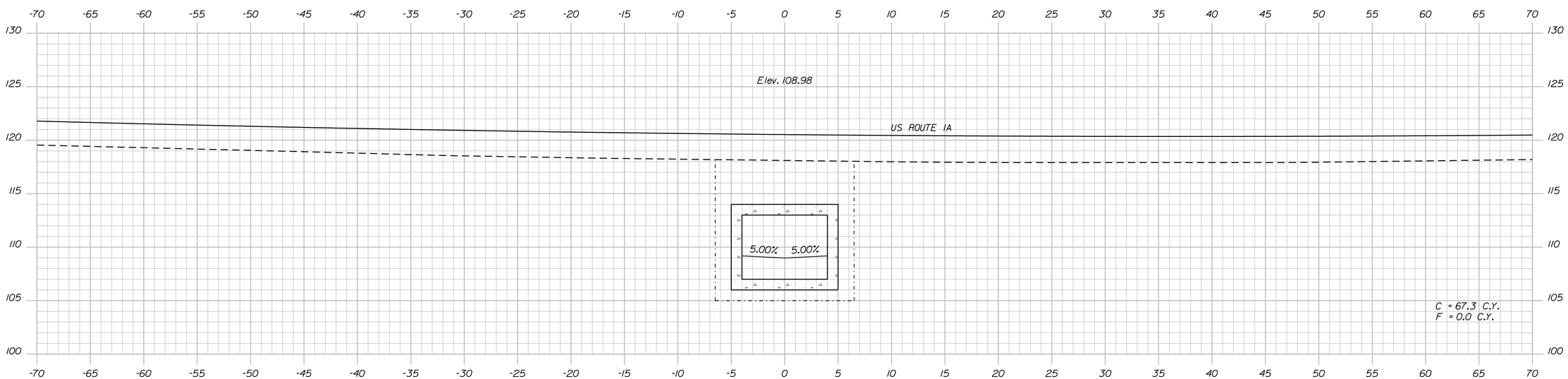
157

OF 187

Filename: ...\MSTA\157_XSECT_11+40_004.dgn Division: Highway Username: jhilton Date:3/22/2016



11+70.00



11+60.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

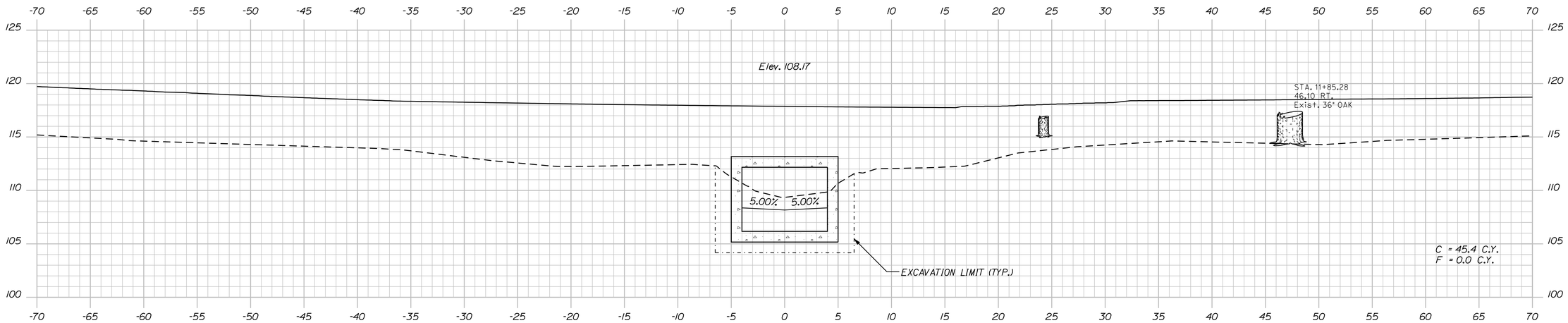
SHEET NUMBER

158

OF 187

Sta. 11+60.00 to Sta. 11+70.00

Filename: ...\MSTA\158_XSECT_11+60_005.dgn Division: Highway Username: jhilton Date:3/22/2016



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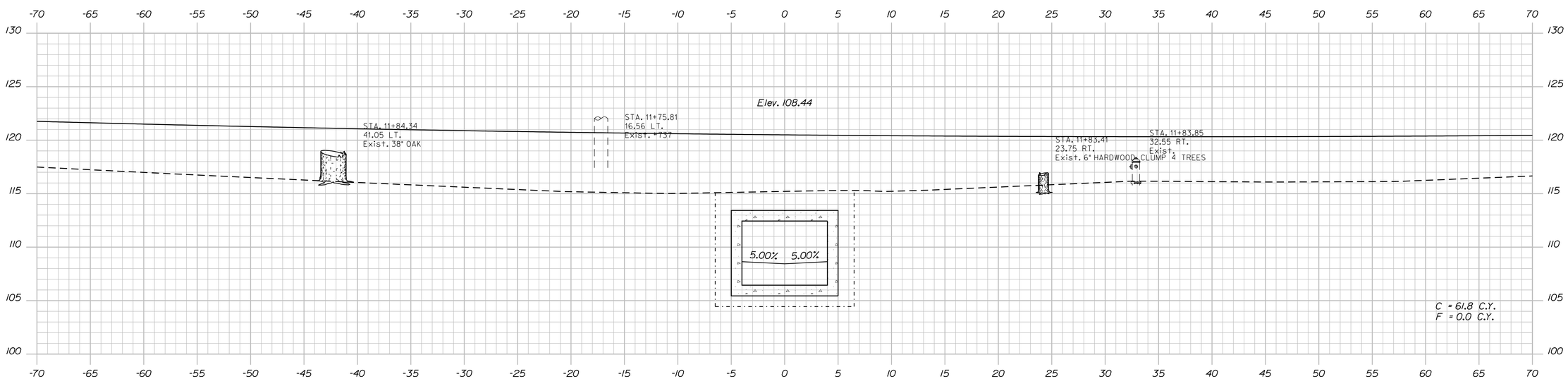


11+80.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

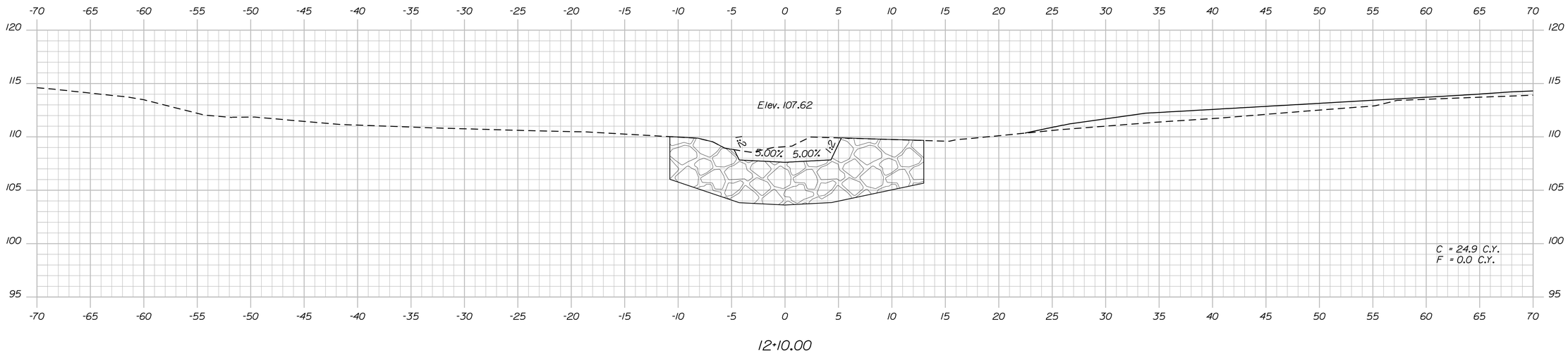
SHEET NUMBER

159

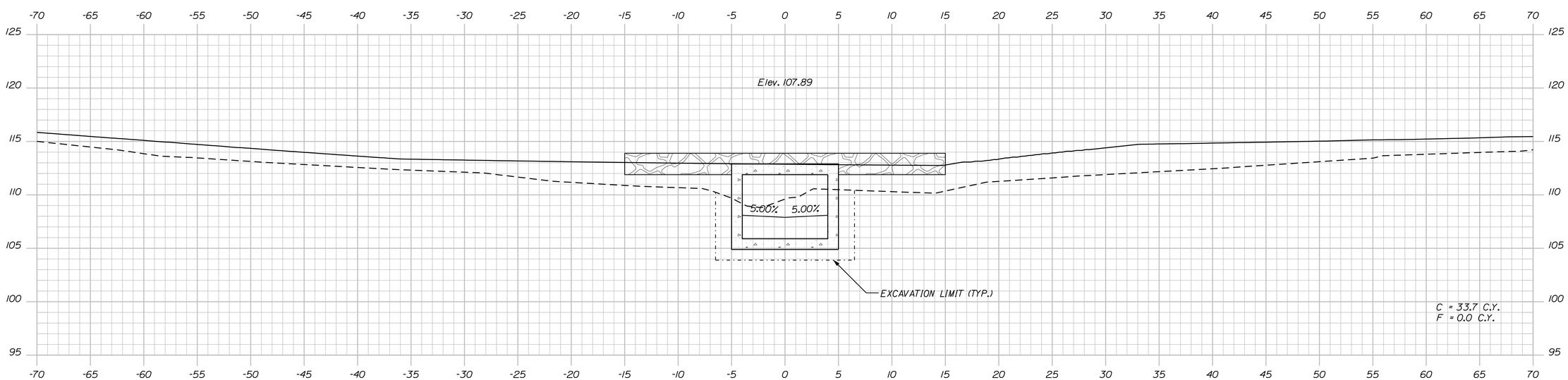
OF 187

Sta. 11+80.00 to Sta. 11+90.00

Filename: ...\MSTA\159_XSECT_11+80_006.dgn Division: Highway Username: jhilton Date:3/22/2016



12+10.00



12+00.00

Sta. 12+00.00 to Sta. 12+10.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

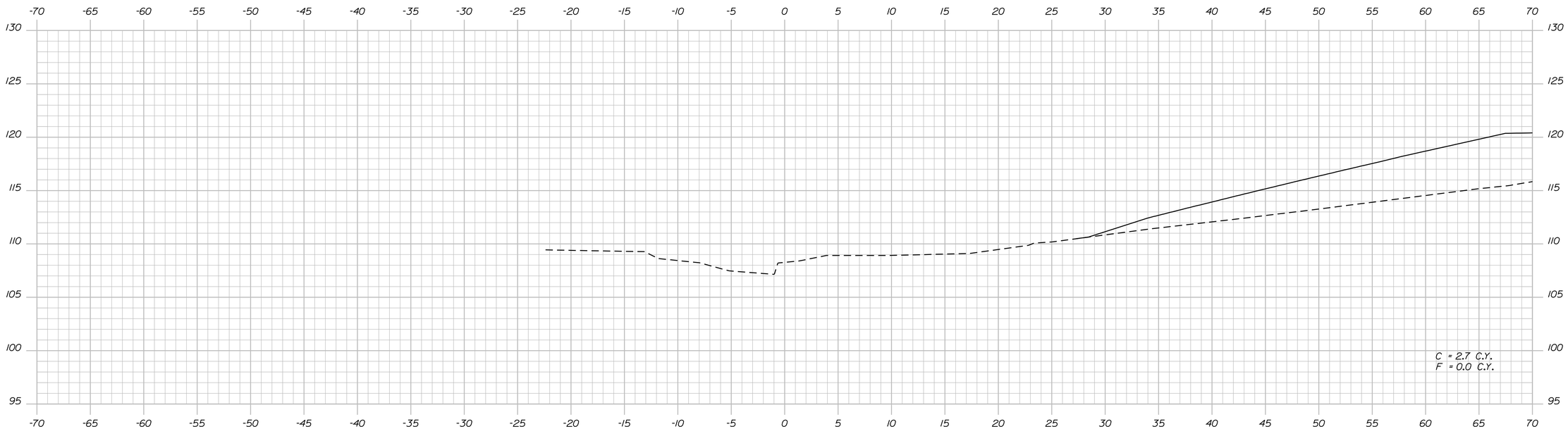
CROSS SECTIONS

SHEET NUMBER

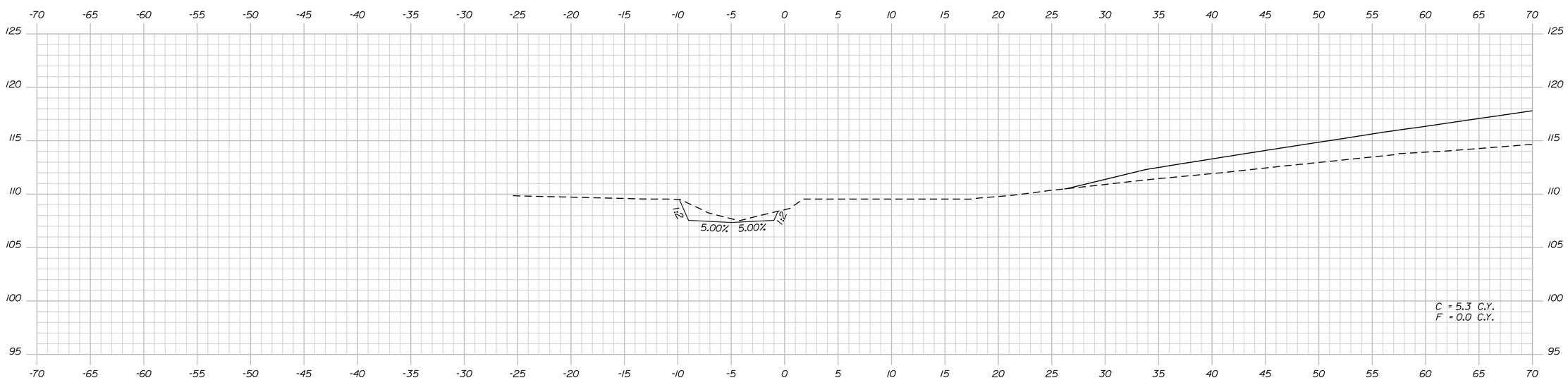
160

OF 187

Filename: ...\MSTA\160_XSECT_12+00_007.dgn Division: Highway Username: jhilton Date:3/22/2016



12+30.00



12+20.00

Sta. 12+20.00 to Sta. 12+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	J.M.H.	J.M.S.\S.A.B	03-2016
CHECKED-REVIEWED	J.M.H.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
DAVIS BROOK

CROSS SECTIONS

SHEET NUMBER

161

OF 187

Filename: ...\MSTA\161_XSECT_12+20_008.dgn Division: Highway Username: jhilton Date:3/22/2016

Identification Number	Size of Sign Width	Size of Sign Height	Text	Text Dimensions (Inches) Letter Height	Text Dimensions (Inches) Vertical Spacing	Text Dimensions (Inches) Arrow RTE.MKR.	Number of Signs Required	Color Back-ground	Color Legend Border	Border Radius	Area in Square Feet	Post
R1-1	36	36	STOP	SHSB	SHSB	SHSB	5	SHSB	SHSB	SHSB	9.00 (45.00)	Breakaway 4"x6" Wood Post
R1-2	36 x 36 x 36		YIELD				3				4.24 (12.72)	Mount Below R15-1
R2-1(15)	36	48	SPEED LIMIT 15				2				12.00 (24.00)	Breakaway 4"x6" Wood Post
R2-1(25)	24	30	SPEED LIMIT 25				1				5.00 (5.00)	Breakaway 4"x6" Wood Post
	36	48					1				12.00 (12.00)	
R2-1(30)	24	30	SPEED LIMIT 30				2				5.00 (10.00)	Breakaway 4"x6" Wood Post
	36	48					1				12.00 (12.00)	
R2-1(35)	24	30	SPEED LIMIT 35				3				5.00 (15.00)	Breakaway 4"x6" Wood Post
	36	48					1				12.00 (12.00)	
R2-1(40)	24	30	SPEED LIMIT 40				1				5.00 (5.00)	Breakaway 4"x6" Wood Post
R3-8	36	30	ONLY ONLY				2				7.50 (15.00)	Breakaway 4"x6" Wood Post
R3-8	36	30	ONLY ONLY				1				7.50 (7.50)	Breakaway 4"x6" Wood Post
R3-8	42	30	ONLY ONLY				1				8.75 (8.75)	Breakaway 4"x6" Wood Post
R3-9b	24	36	CENTER LANE ONLY				2				7.50 (12.00)	Breakaway 4"x6" Wood Post
R3-9b(M)	48	30	CENTER LANE ONLY	3E 3E 3E		9¼"x5¾" 16"x6⅜"	2	White	Black/ Red		10.00 (20.00)	Breakaway 4"x6" Wood Post
R7-1	12	18	NO PARKING ANY TIME	SHSB		SHSB	4	SHSB	SHSB		1.50 (6.00)	1 - U-Channel
R12-1(MOD)	24	30	NO THRU TRUCKS				1				5.00 (5.00)	Mounted Below R2-1(25)
R15-1	48 48	9 9	RAIL ROAD CROSSING				4				6.00 (24.00)	Breakaway 4"x6" Wood Post with Retroreflective Strips per MUTCD Section 8B.04 15
R15-3P	24	12	EXEMPT				4	White	Black		2.00 (8.00)	Mounted Below R15-1
W1-2L	36	36					1	SHSB	SHSB		9.00 (9.00)	Breakaway 4"x6" Wood Post

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

Identification Number	Size of Sign Width	Size of Sign Height	Text	Text Dimensions (Inches) Letter Height	Text Dimensions (Inches) Vertical Spacing	Text Dimensions (Inches) Arrow RTE.MKR.	Number of Signs Required	Color Back-ground	Color Legend Border	Border Radius	Area in Square Feet	Post
W1-2R	36	36		SHSB	SHSB	SHSB	1	SHSB	SHSB	SHSB	9.00 (9.00)	Breakaway 4"x6" Wood Post
W3-5	36	36	SPEED LIMIT 35				1				9.00 (9.00)	Breakaway 4"x6" Wood Post
W10-1	36 DIAMETER		R R				2				7.07 (14.14)	Breakaway 4"x6" Wood Post
W10-1aP	24	12	EXEMPT				2	Yellow	Black		2.00 (4.00)	Mounted Below W10-1
W10-2R	36	36					1	SHSB	SHSB		9.00 (9.00)	Breakaway 4"x6" Wood Post
W10-2L	36	36					1				9.00 (9.00)	Breakaway 4"x6" Wood Post
W11-15	30	30					1	FYG	Black		6.25 (6.25)	Breakaway 4"x6" Wood Post
W11-15P	24	18	TRAIL XING				1	FYG	Black		3.00 (3.00)	Mounted Below W11-15
W16-9P	24	12	AHEAD				1	FYG	Black		2.00 (2.00)	Mounted Below W11-15
M1-4(1A)	24	24	1A				7	SHSB	SHSB		4.00 (28.00)	See Sign Summary 3
M1-5(179)	30	24	179				4				5.00 (20.00)	See Sign Summary 3
M1-5(180)	30	24	180				1				5.00 (5.00)	See Sign Summary 3
M2-1	21	15	JCT				2				2.19 (4.38)	Mounted Above M1-4 and M1-5
M3-1	24	12	NORTH				2				2.00 (4.00)	Mounted Above M1-5
M4-5	24	12	TO				1				2.00 (2.00)	Mounted Above M1-5
M4-5	12	6	TO				1	Green	White		0.50 (0.50)	Mounted Above Ellsworth Trail Sign
M6-1	21	15					2	SHSB	SHSB		2.19 (4.38)	Mounted Below M1-5

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGN SUMMARY 1

SHEET NUMBER
162
OF 187

Filename: ...\msta\162_SignSummary_01.dgn Division: Highway Username: jhilton Date:3/29/2016

Identification Number	Size of Sign		Text	Text Dimensions (Inches)			Number of Signs Required	Color		Border Radius	Area in Square Feet	Post
	Width	Height		Letter Height	Vertical Spacing	Arrow RTE.MKR.		Back-ground	Legend Border			
M6-1	12	9	→	SHSB	SHSB	SHSB	1	Green	White	SHSB	0.75 (0.75)	Mounted Below Ellsworth Trail Sign
M6-2L	21	15	↖				2	SHSB	SHSB		2.19 (4.38)	Mounted Below MI-4 and MI-5
M6-2R	21	15	↗				1				2.19 (2.19)	Mounted Below MI-5
M6-4	21	15	↔				1				2.19 (2.19)	Mounted Below MI-4
D1-2a(EA)	78	30	↑ Ellsworth 2 ← Aurora 20	6D 6D	4.7" 8.6" 4.7"	7.5"x8.5" 8.5"x7.5"	1			3"	16.25 (16.25)	See Sign Summary 3
D1-2a(EB)	78	30	← Ellsworth 2 Bangor 26 →	6D 6D	4.7" 8.6" 4.7"	8.5"x7.5" 8.5"x7.5"	1			3"	16.25 (16.25)	See Sign Summary 3
D3-1 (FOREST)	36	12	Forest Ave	6/4.5C	3" 3"	SHSB	1	Blue	White	1.5"	3.00 (3.00)	1 - U-Channel
D3-1 (LAKES)	30	12	Lakes Ln	6/4.5C	3" 3"		1	Blue	White	1.5"	2.50 (2.50)	See Sign Summary 3
D3-1 (OLD MILL)	36	12	Old Mill Rd	6/4.5C	3" 3"		1	Blue	White	1.5"	3.00 (3.00)	See Sign Summary 3
D3-1 (SHORE)	30	12	Shore Rd	6/4.5C	3" 3"		1	Blue	White	1.5"	2.50 (2.50)	1 - U-Channel
D3-1 (STATE)	30	12	State St	6/4.5C	3" 3"		1	Blue	White	1.5"	2.50 (2.50)	See Sign Summary 3
D3-1 (WESTERN)	42	12	Western Ave	6/4.5C	3" 3"		1	Blue	White	1.5"	3.50 (3.50)	See Sign Summary 3
S4-1P	36	18	7:00-8:30 AM 2:00-3:00 PM	SHSB	SHSB		2	SHSB	SHSB	SHSB	4.50 (9.00)	Mounted Below R2-1(15)
S4-3P	36	12	SCHOOL				2				3.00 (6.00)	Mounted Above R2-1(15)

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

Identification Number	Size of Sign		Text	Text Dimensions (Inches)			Number of Signs Required	Color		Border Radius	Area in Square Feet	Post
	Width	Height		Letter Height	Vertical Spacing	Arrow RTE.MKR.		Back-ground	Legend Border			

SHSB - Text Dimensions Shall Conform to "Standard Highway Signs Book" - 2012 Edition.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGN SUMMARY 2

SHEET NUMBER

163

OF 187

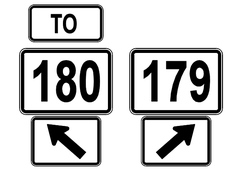
Filename: ...\msta\163_SignSummary_02.dgn Division: Highway Username: jhilton Date:3/29/2016

Route Assembly 1
Sta 1299+00, RT 25
Southbound Approach
Single 4"x4" Wood Post
Area = 7.19 SF

Route Assembly 2
Sta 1306+24, RT 28'
Southbound Approach
Single 4"x6" Wood Post
Area = 9.19 SF

Assembly 3
STA 31+78, LT 23'
STA 31+55, RT 21'
Lake Lane Approach
Sta 1307+50, LT 27'
179 Northbound Approach
Single 4"x6" Wood Post
Area = 12.24 SF

Route Assembly 4
Sta 1308+00, LT 28'
Northbound Approach
Single 4"x6" Wood Post
Area = 9.19 SF



Route Assembly 5
Sta 1312+20, LT 27'
Southbound Approach
Two 4"x6" Wood Posts
Area = 16.38 SF

Assembly 6
Sta 1306+55, LT 44'
179 Southbound Approach
Single 4"x4" Wood Post
Area = 8.00 SF

Route Assembly 7
Sta 1315+95, LT 26'
Lakes Lane Approach
Single 4"x6" Wood Post
Area = 11.50 SF

Route Assembly 8
Sta 1341+19, RT 32'
Western Ave Approach
Single 4"x6" Wood Post
Area = 15.00 SF

Route Assembly 9
Sta 1358+47, RT 34'
Southbound Approach
Single 4"x4" Wood Post
Area = 6.19 SF

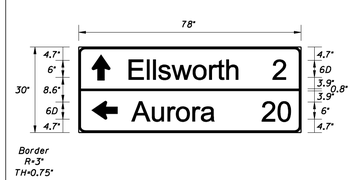
Route Assembly 10
Sta 203+29, LT 18'
Route 179 Approach
Single 4"x4" Wood Post
Area = 6.19 SF

Route Assembly 11
Sta 1306+45, RT 30'
Route 179 Approach
Single 4"x4" Wood Posts
Area = 6.19 SF

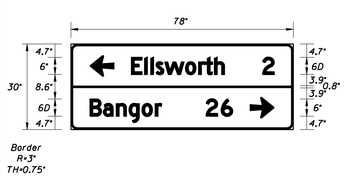
Route Assembly 12
Sta 72+45, RT 17'
Old Mill Rd Approach
Single 4"x6" Wood Post
Area = 12.00 SF

Route Assembly 13
Sta 100+67, LT 17'
Southbound Approach
Single 4"x6" Wood Post
Area = 10.00 SF

Route Assembly 14
Sta 1343+25, RT 32'
Sta 1355+25, LT 27'
1A Northbound & Southbound Approach
Single 4"x6" Wood Post
Area = 19.50 SF



Guidesign 1 (Type 1)
Sta 1302+20, RT 31'
Southbound Approach
Two 4"x4" Wood Posts



Guidesign 4 (Type 1)
Sta 201+78, LT 24'
179 Southbound Approach
Two 4"x4" Wood Posts

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

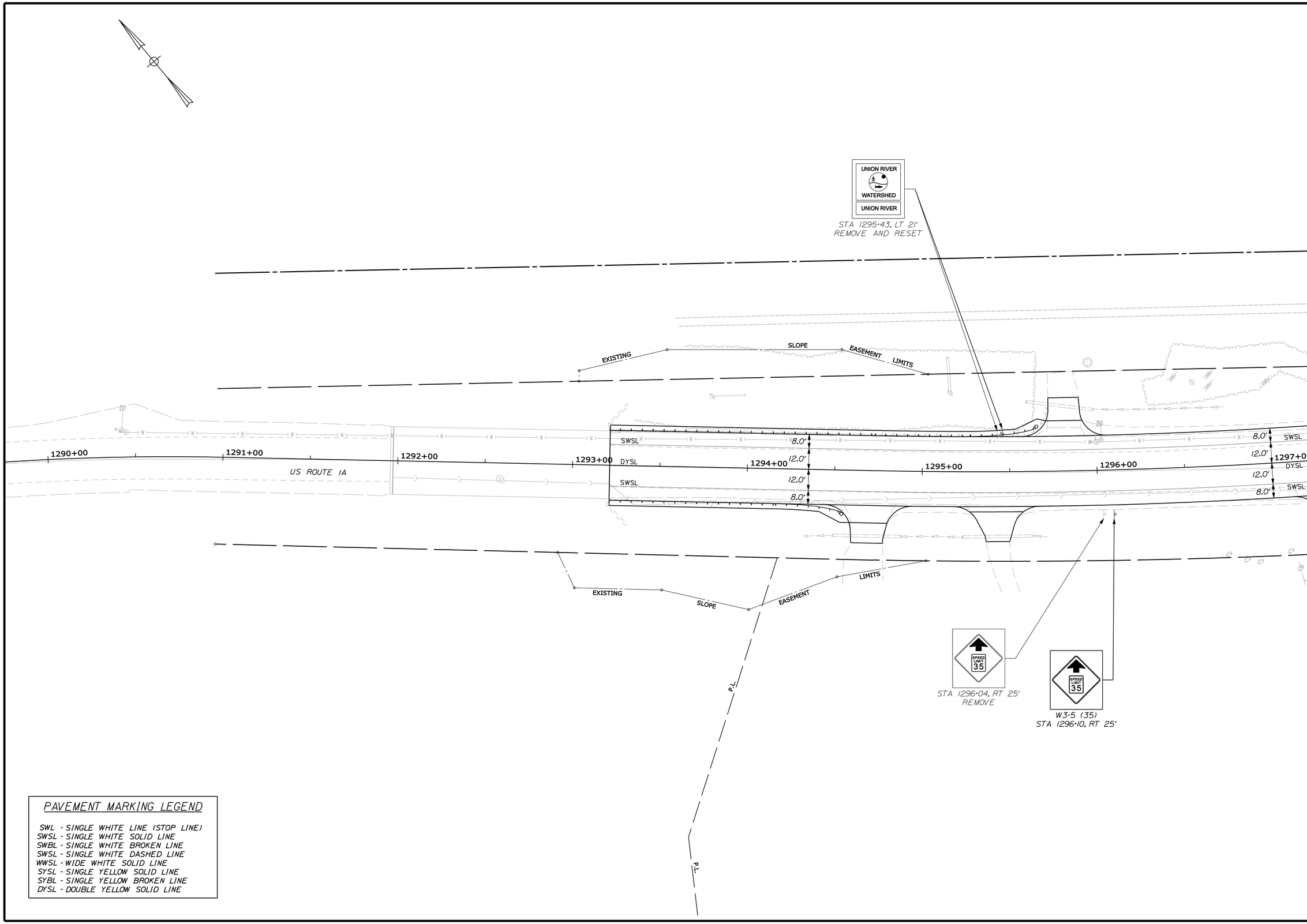
DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGN SUMMARY 3

SHEET NUMBER
164
OF 187

Filename: ...\msta\164_SignSummary_03.dgn Division: Highway Username: jhilton Date:3/29/2016



PAVEMENT MARKING LEGEND

SWL - SINGLE WHITE LINE (STOP LINE)
SWSL - SINGLE WHITE SOLID LINE
SWBL - SINGLE WHITE BROKEN LINE
SWSL - SINGLE WHITE DASHED LINE
WWSL - WIDE WHITE SOLID LINE
SYSL - SINGLE YELLOW SOLID LINE
SYBL - SINGLE YELLOW BROKEN LINE
DYSL - DOUBLE YELLOW SOLID LINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

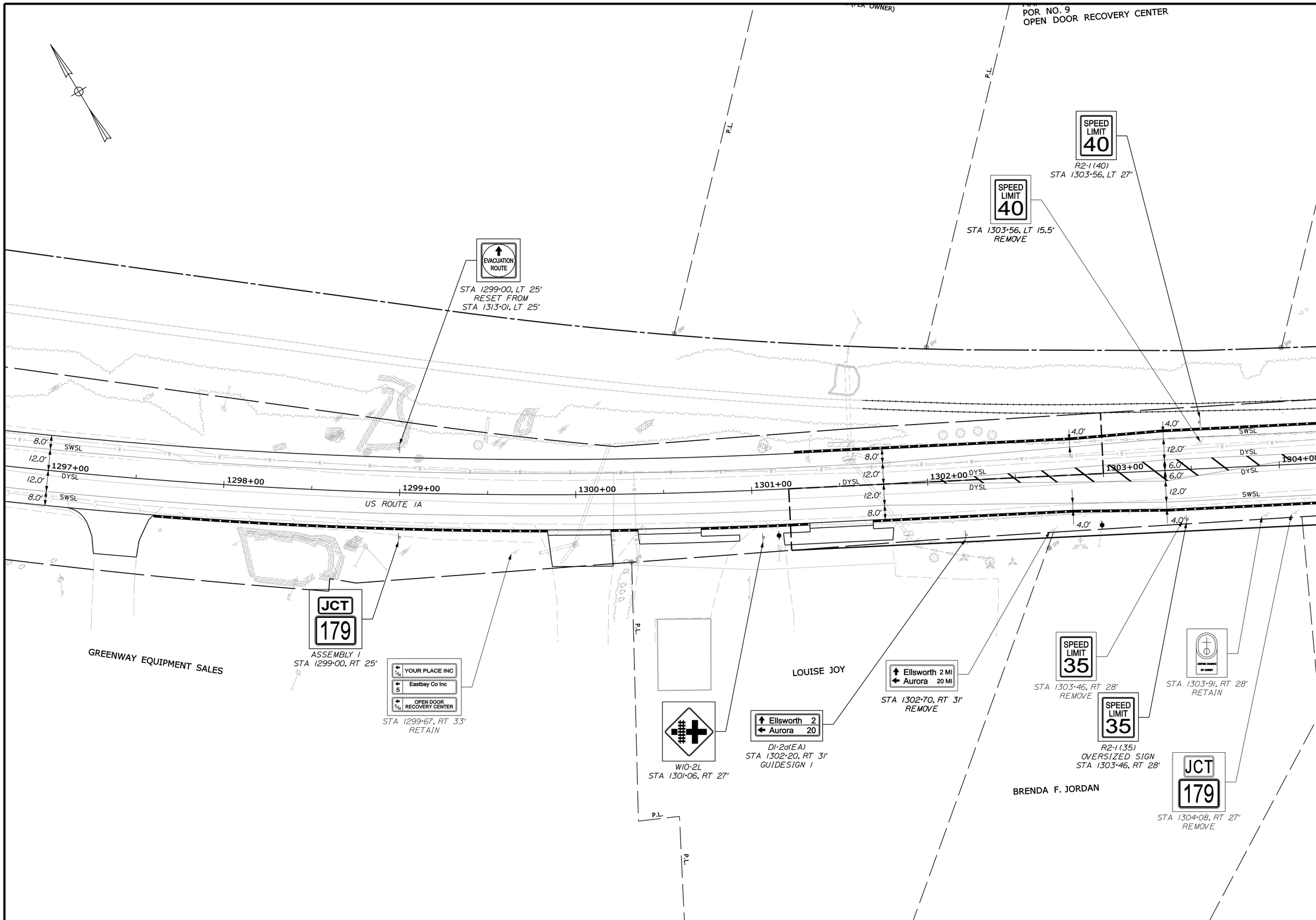
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
165
OF 187

STA. 1290+00.00 TO STA. 1297+00.00

Filename: ...\165_Sign&StripingPlan_01.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	03-2016
CHECKED-REVIEWED	M.D.S.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

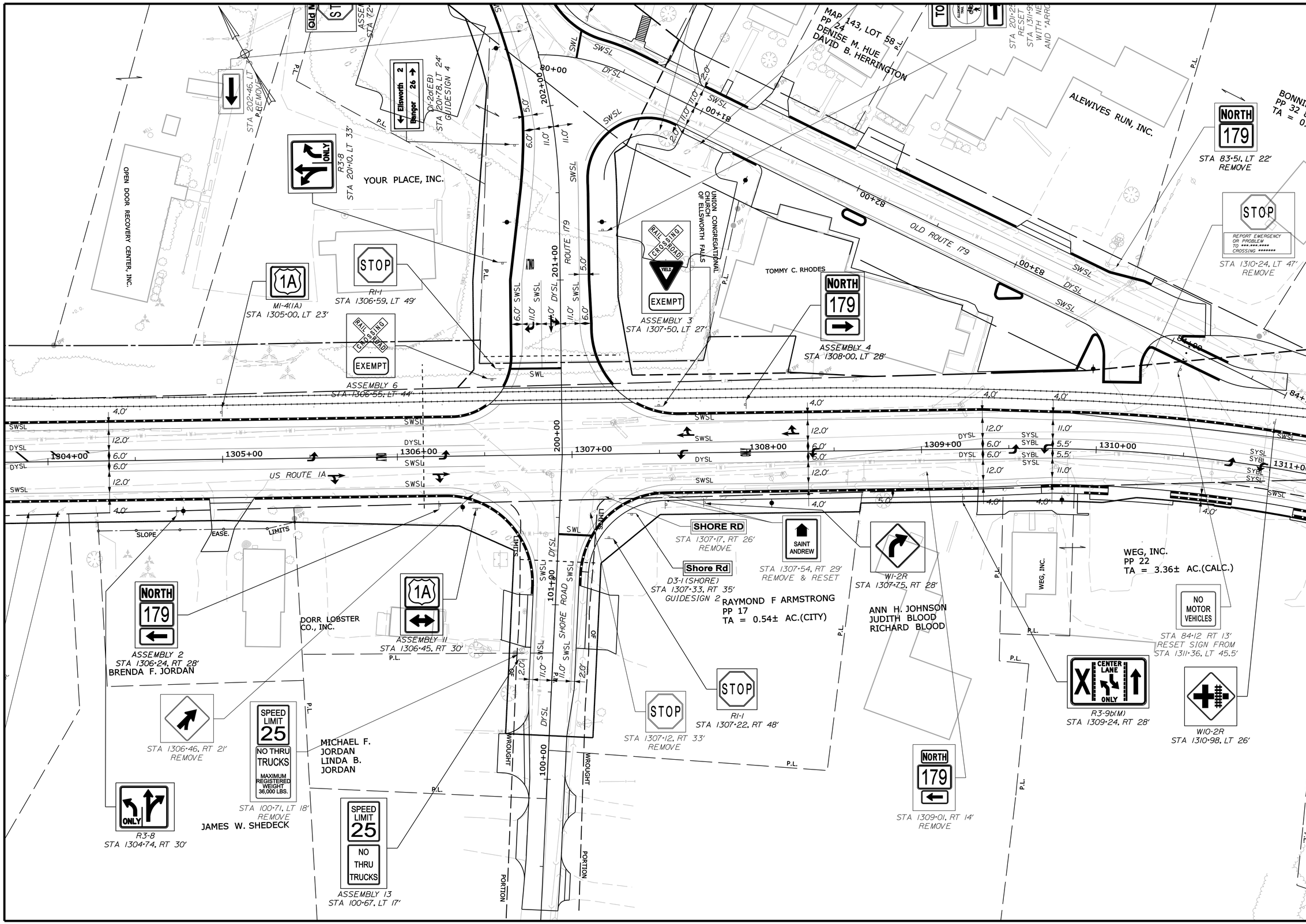
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
166
OF 187

STA. 1297+00.00 TO STA. 1304+00.00

Filename: ...\166_Sign&StripingPlan_02.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

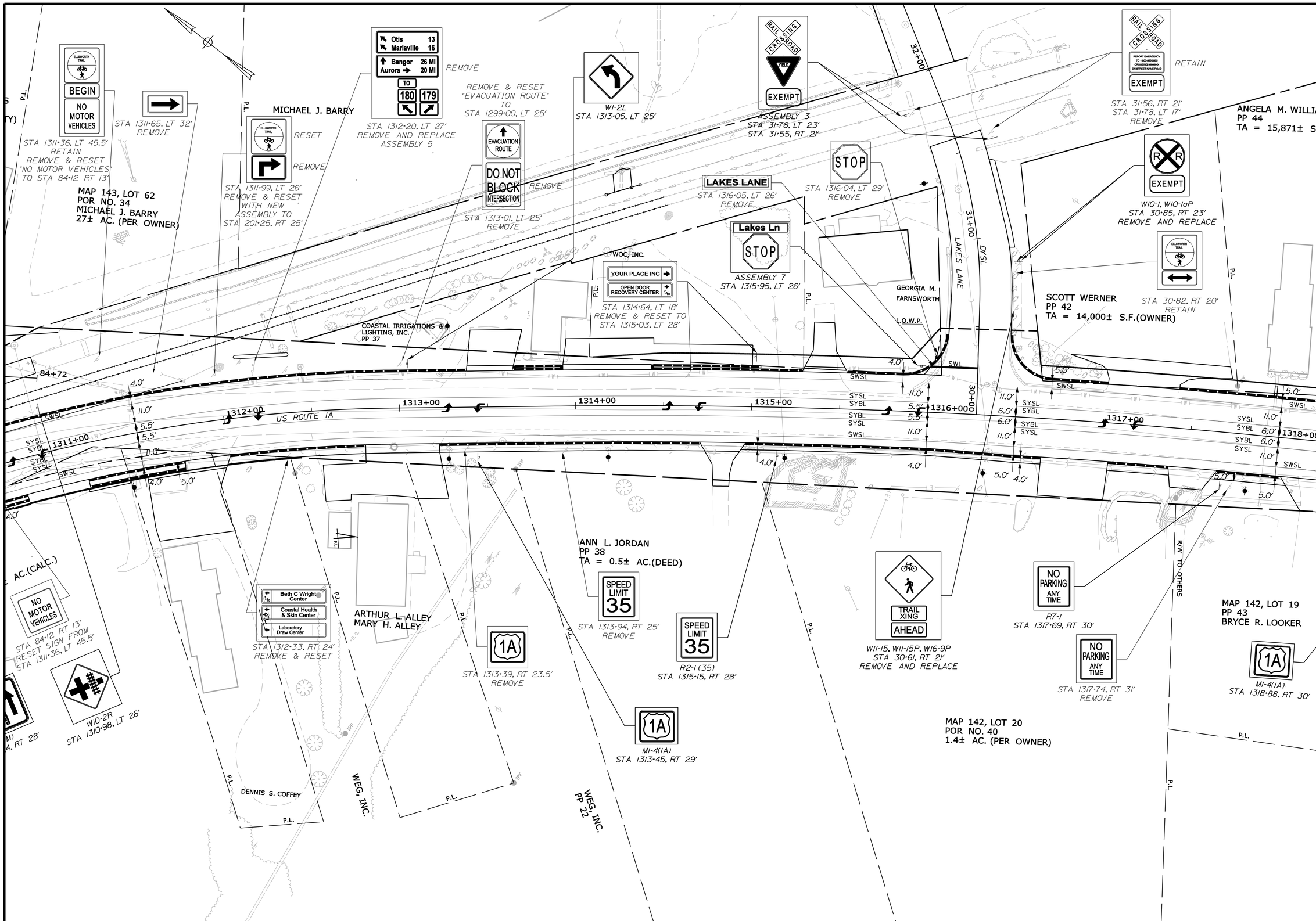
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
167
OF 187

STA. 1304+00.00 TO STA. 1311+00.00

Filename: ...\167_Sign&StripingPlan_03.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	03-2016
CHECKED-REVIEWED	M.D.S.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

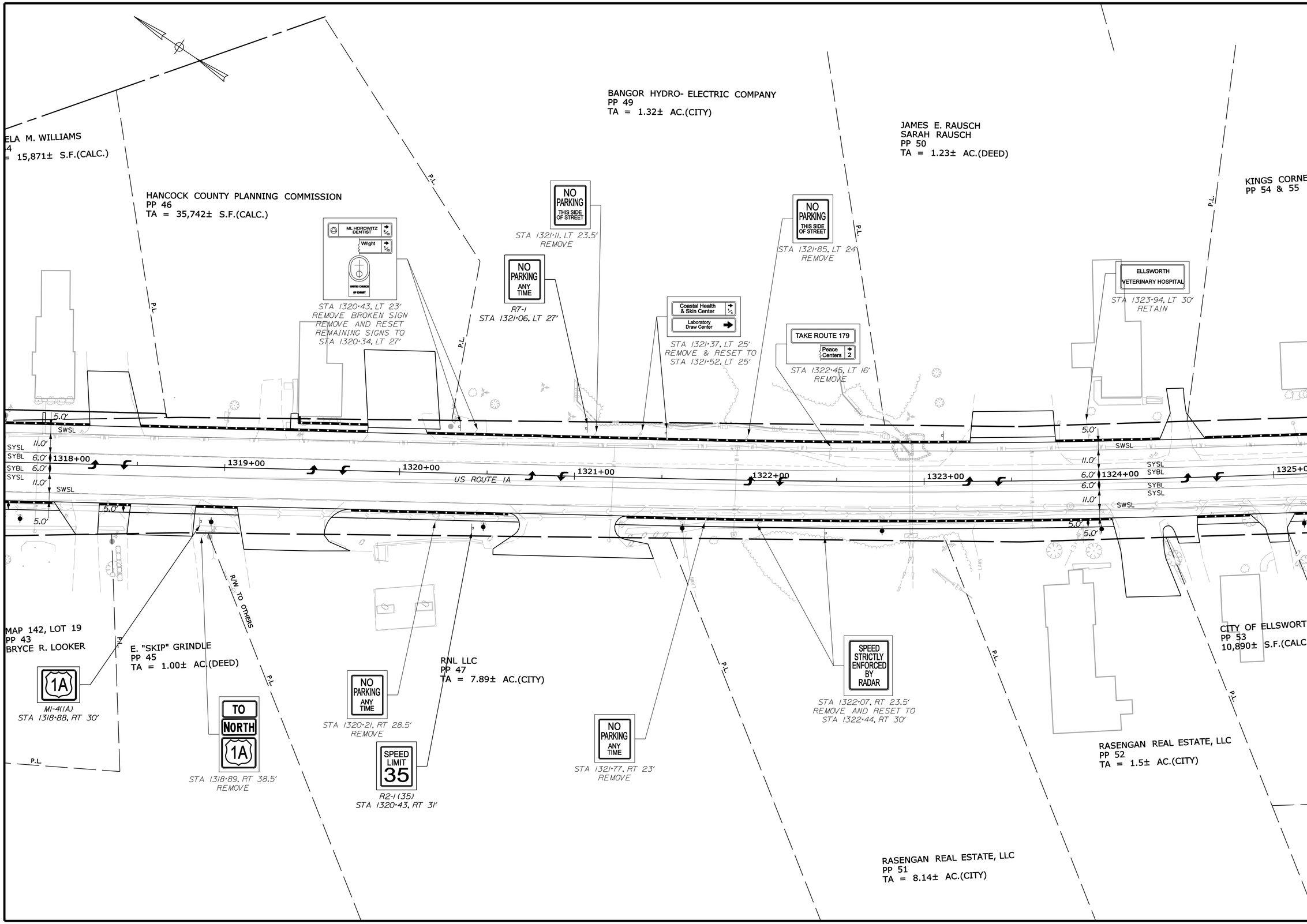
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
168
OF 187

STA. 1311+00.00 TO STA. 1318+00.00

Filename: ...\168_Sign&StripingPlan_04.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	03-2016
CHECKED-REVIEWED	M.D.S.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

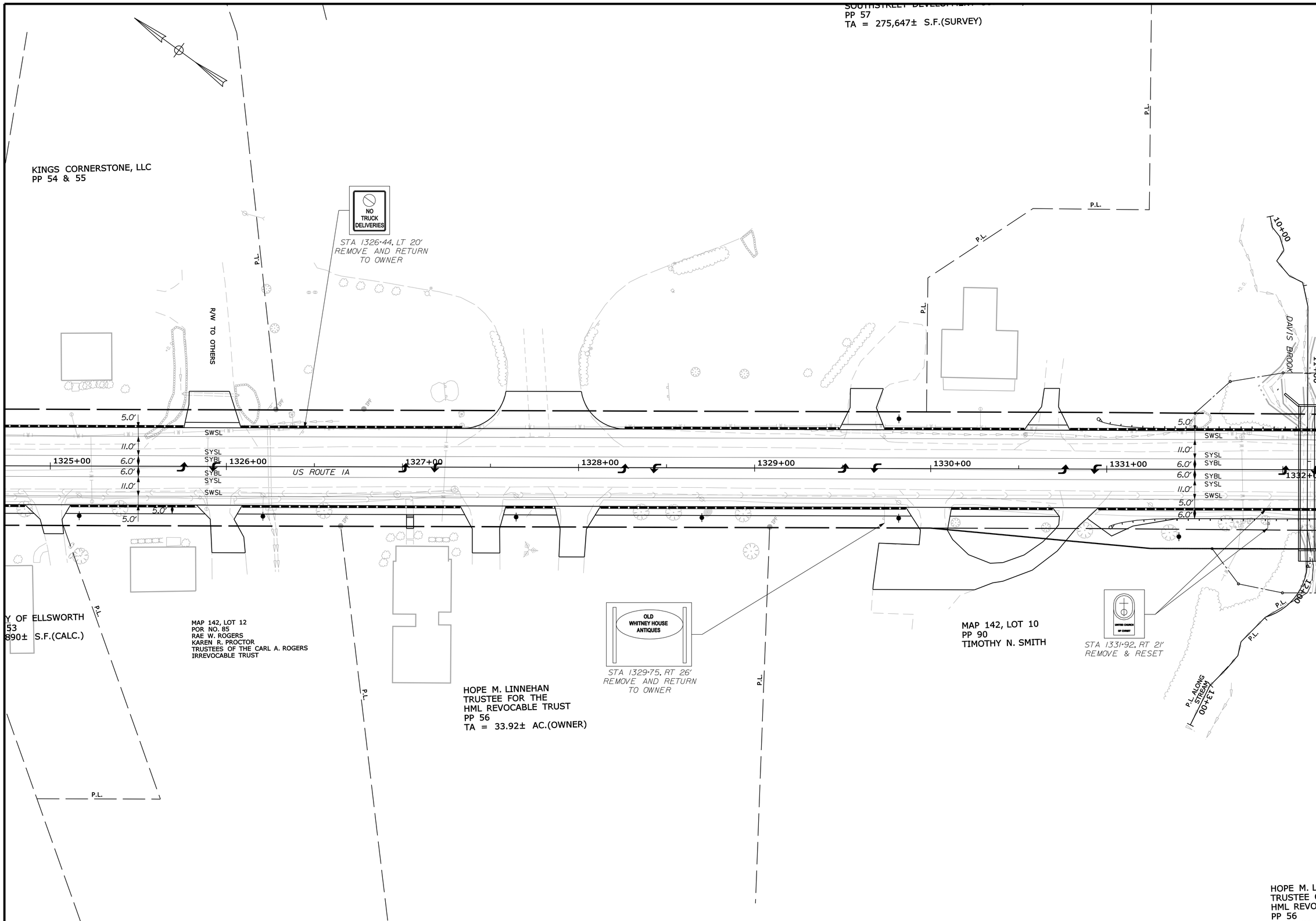
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
169
OF 187

STA. 1318+00.00 TO STA. 1325+00.00

Filename: ...\169_Sign&StripingPlan_05.dgn Division: Highway Username: jhilton Date:3/29/2016



STA. 1325+00.00 TO STA. 1332+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
R. MOULTON	J.A.R.	03-2016
PROJ. MANAGER	A.G.	03-2016
DESIGN-DETAILED	M.D.S.	---
CHECKED-REVIEWED	M.D.S.	---
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

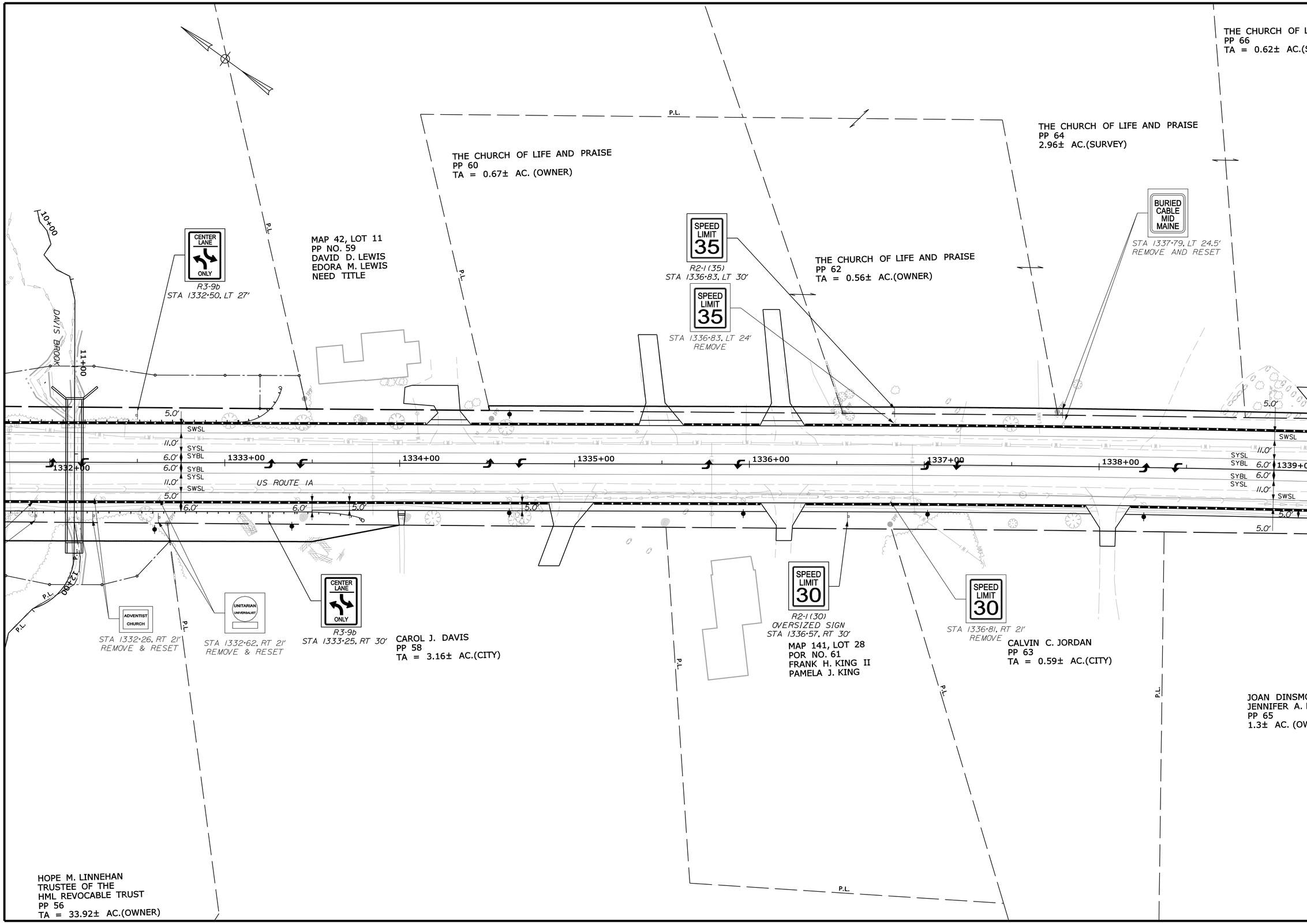
DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
170
OF 187

Filename: ...\170_Sign&StripingPlan_06.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	03-2016
CHECKED-REVIEWED	M.D.S.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

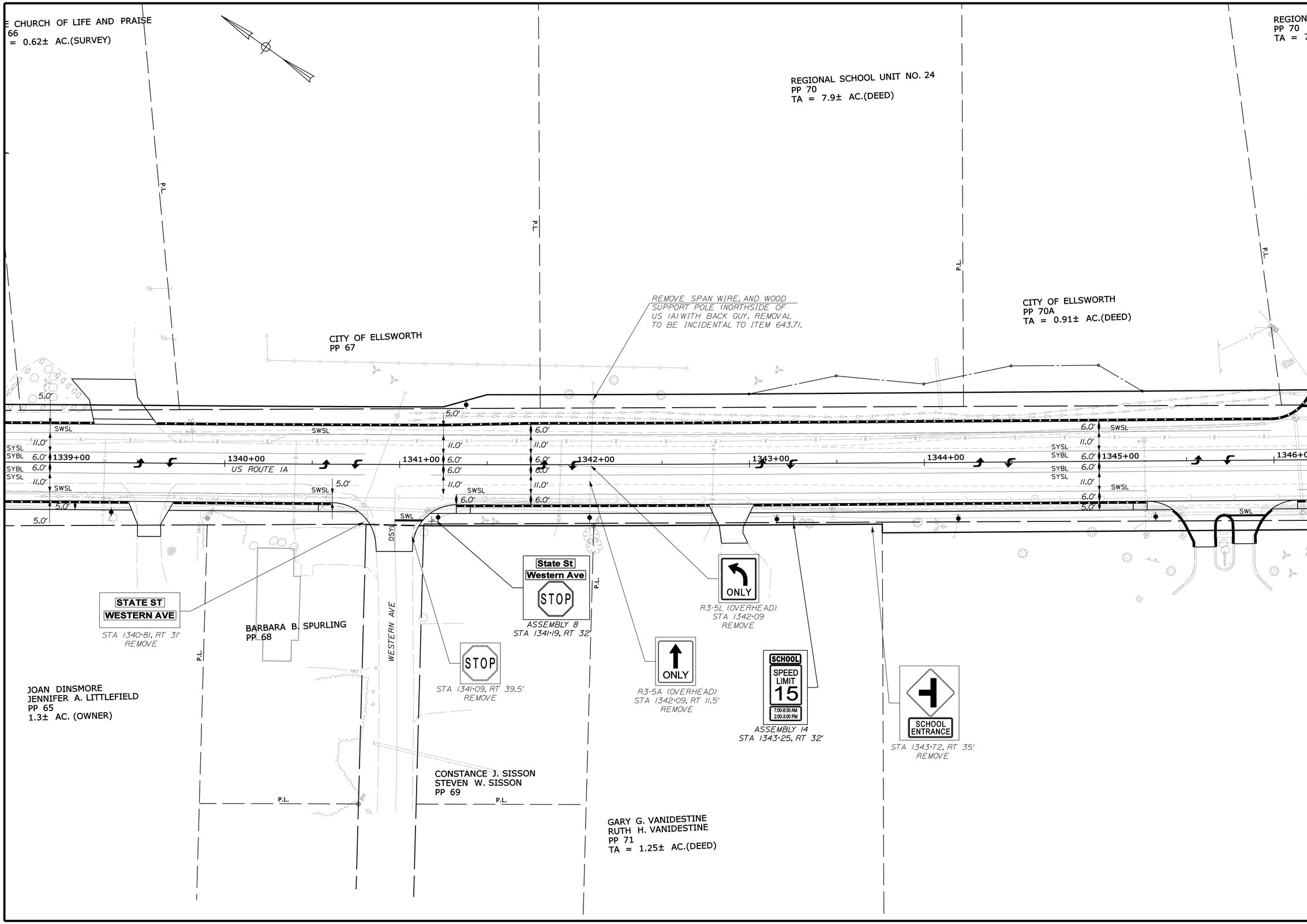
SHEET NUMBER

171

OF 187

STA. 1332+00.00 TO STA. 1339+00.00

Filename: ...\171_Sign&StripingPlan_07.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	03-2016
CHECKED-REVIEWED	M.D.S.	03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

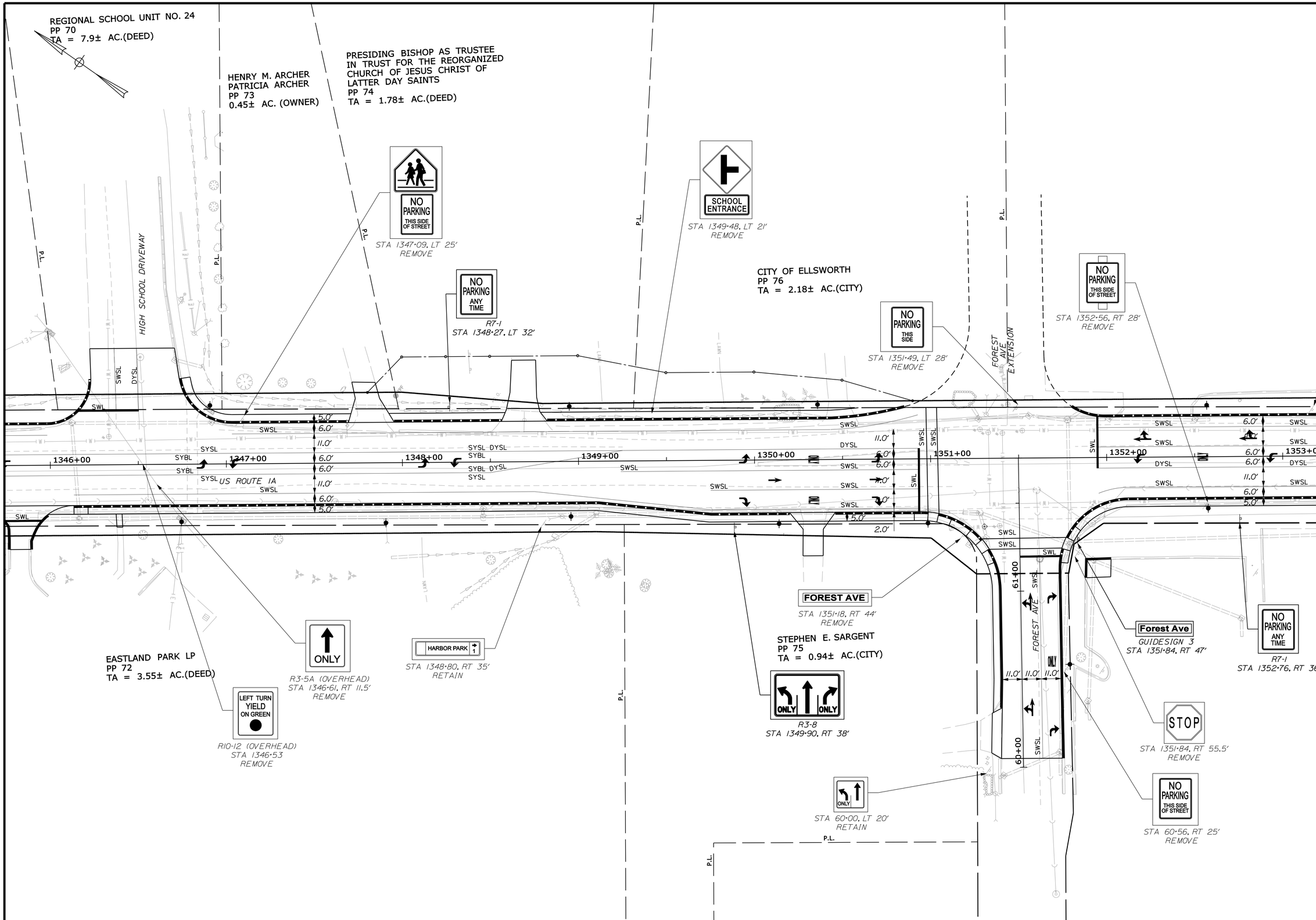
SHEET NUMBER

172

OF 187

STA. 1339+00.00 TO STA. 1346+00.00

Filename: ...\172_Sign&StripingPlan_08.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

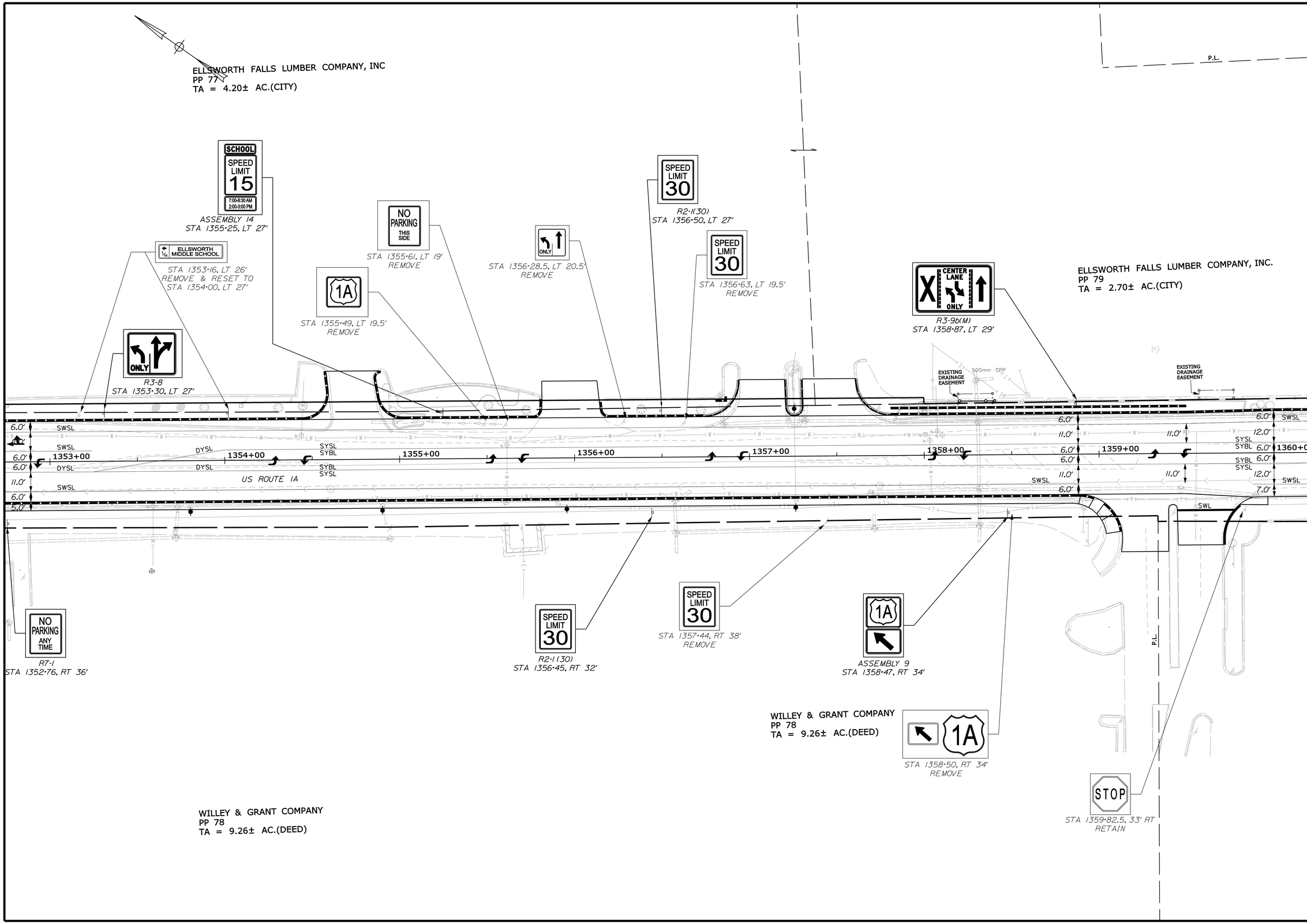
SHEET NUMBER

173

OF 187

STA. 1346+00.00 TO STA. 1353+00.00

Filename: ...\173_Sign&StripingPlan_09.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	M.D.S.	J.A.R. 03-2016
CHECKED-REVIEWED	M.D.S.	A.G. 03-2016
DESIGN2-DETAILED2	---	---
DESIGN3-DETAILED3	---	---
REVISIONS 1	---	---
REVISIONS 2	---	---
REVISIONS 3	---	---
REVISIONS 4	---	---
FIELD CHANGES	---	---

SIGNATURE

P.E. NUMBER

DATE

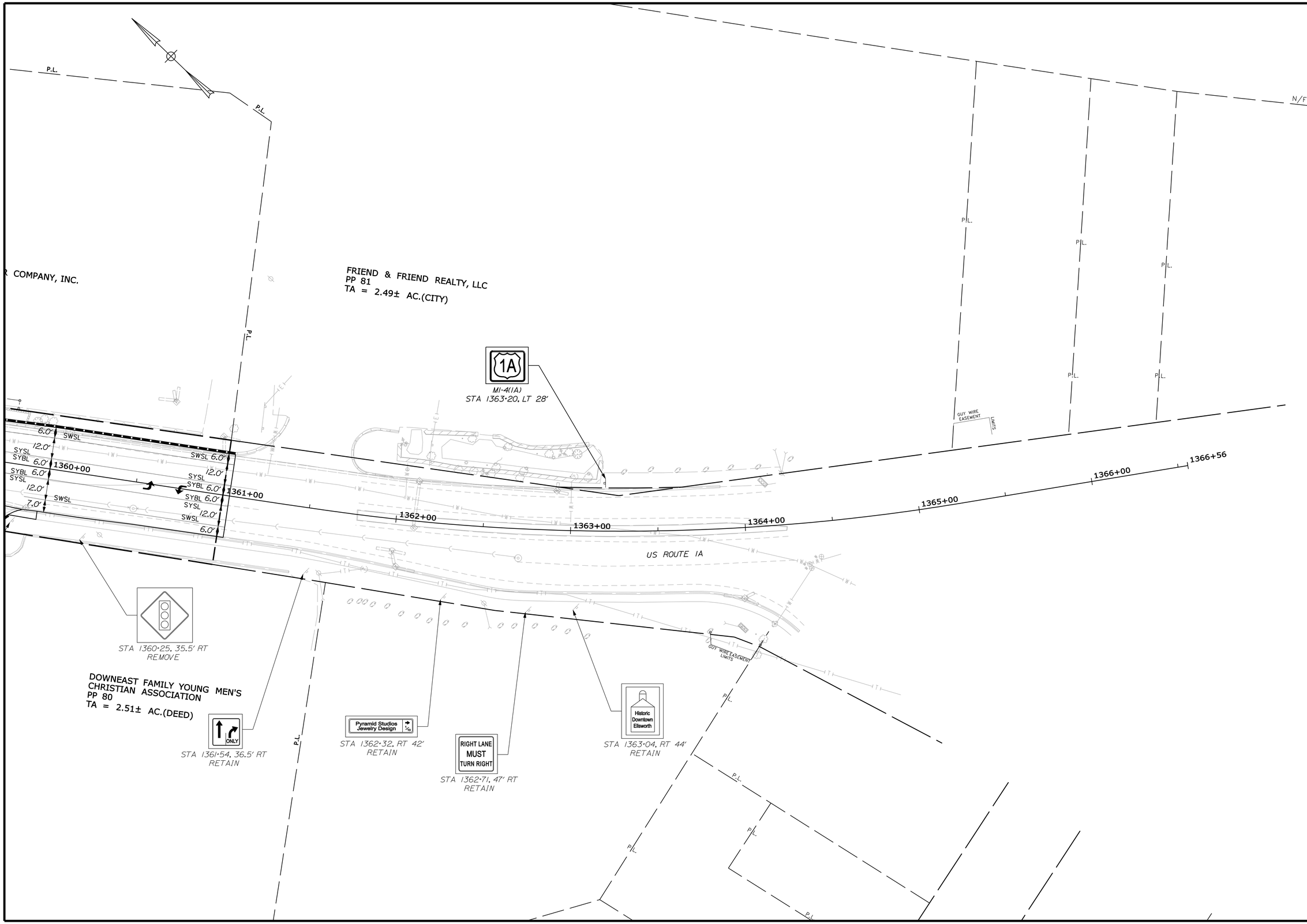
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
174
OF 187

STA. 1353+00.00 TO STA. 1360+00.00

Filename: ...\174_Sign&StripingPlan_10.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN
19196.00

HIGHWAY PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED	M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2	---	---	---
DESIGN3-DETAILED3	---	---	---
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE

P.E. NUMBER

DATE

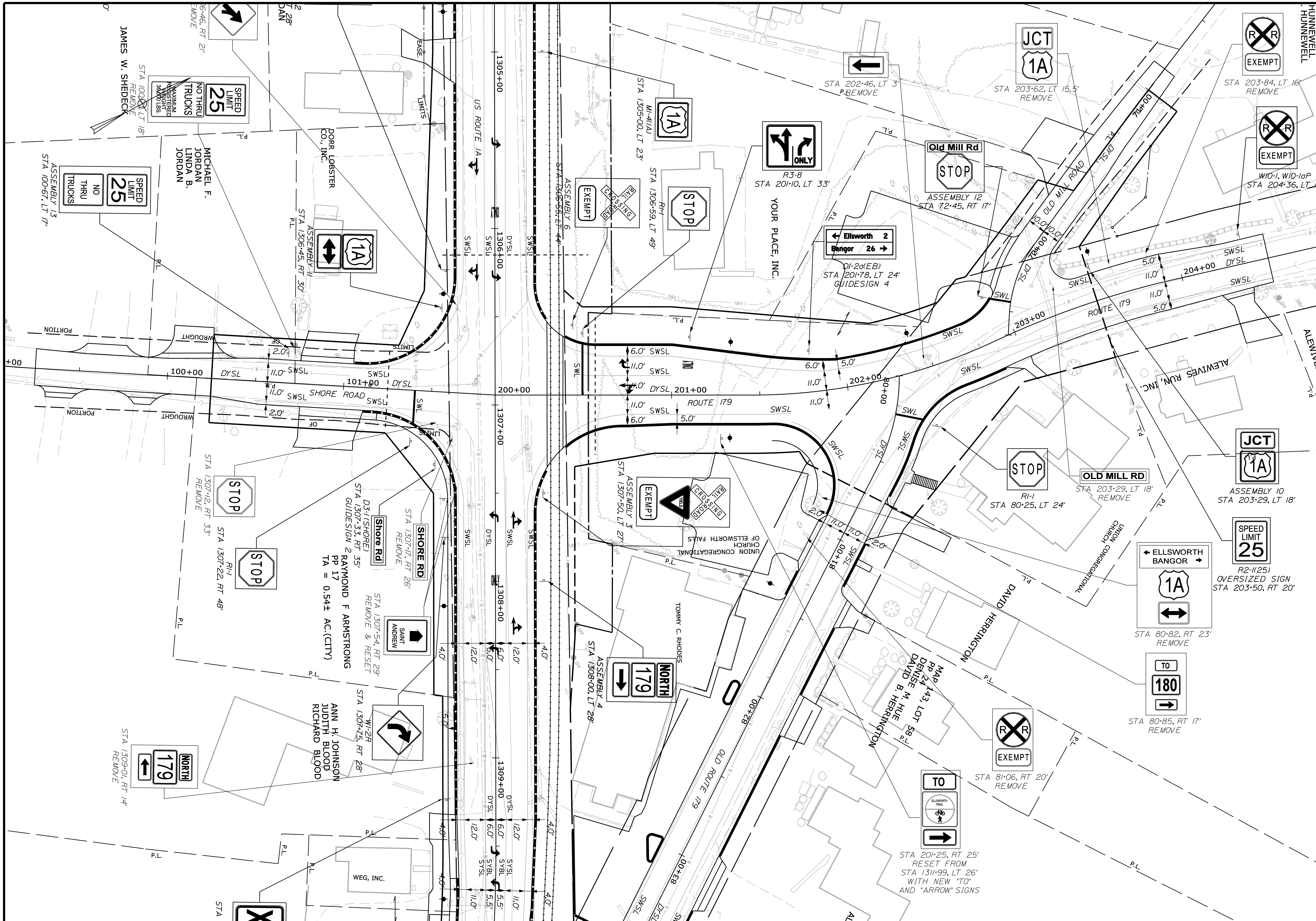
ELLSWORTH
US ROUTE 1A (NHS)

SIGNING & STRIPING PLANS

SHEET NUMBER
175
OF 187

STA. 1360+00.00 TO STA. 1366+56.72

Filename: ...\175_Sign&StripingPlan_11.dgn Division: Highway Username: jhilton Date:3/29/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1919(600)X

WIN 19196.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER R. MOULTON		
DESIGN-DETAILED M.D.S.	J.A.R.	03-2016
CHECKED-REVIEWED M.D.S.	A.G.	03-2016
DESIGN2-DETAILED2 ---	---	---
DESIGN3-DETAILED3 ---	---	---
REVISIONS 1 ---		---
REVISIONS 2 ---		---
REVISIONS 3 ---		---
REVISIONS 4 ---		---
FIELD CHANGES ---		---

SIGNATURE

P.E. NUMBER

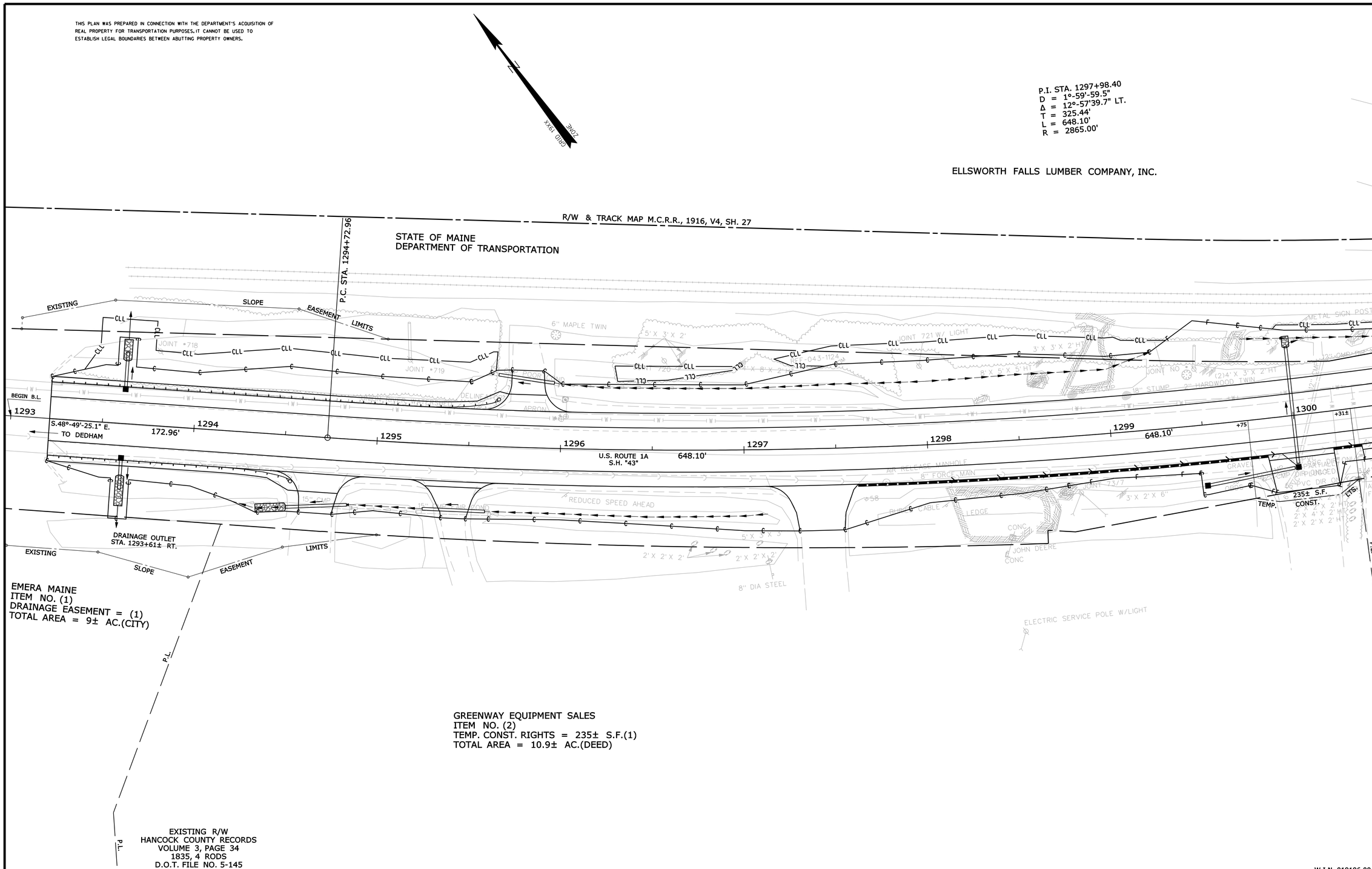
DATE

ELLSWORTH
US ROUTE 1A (NHS)
SIGNING & STRIPING PLANS

SHEET NUMBER
176
OF 187

Filename: ...\176_Sign&StripingPlan_12.dgn Division: Highway Username: jhilton Date:3/29/2016

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



W.I.N. 019196.00

SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- ⊡ (ROW MONUMENT)
- ΔBM (TRAVERSE POINT)
- 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
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

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

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

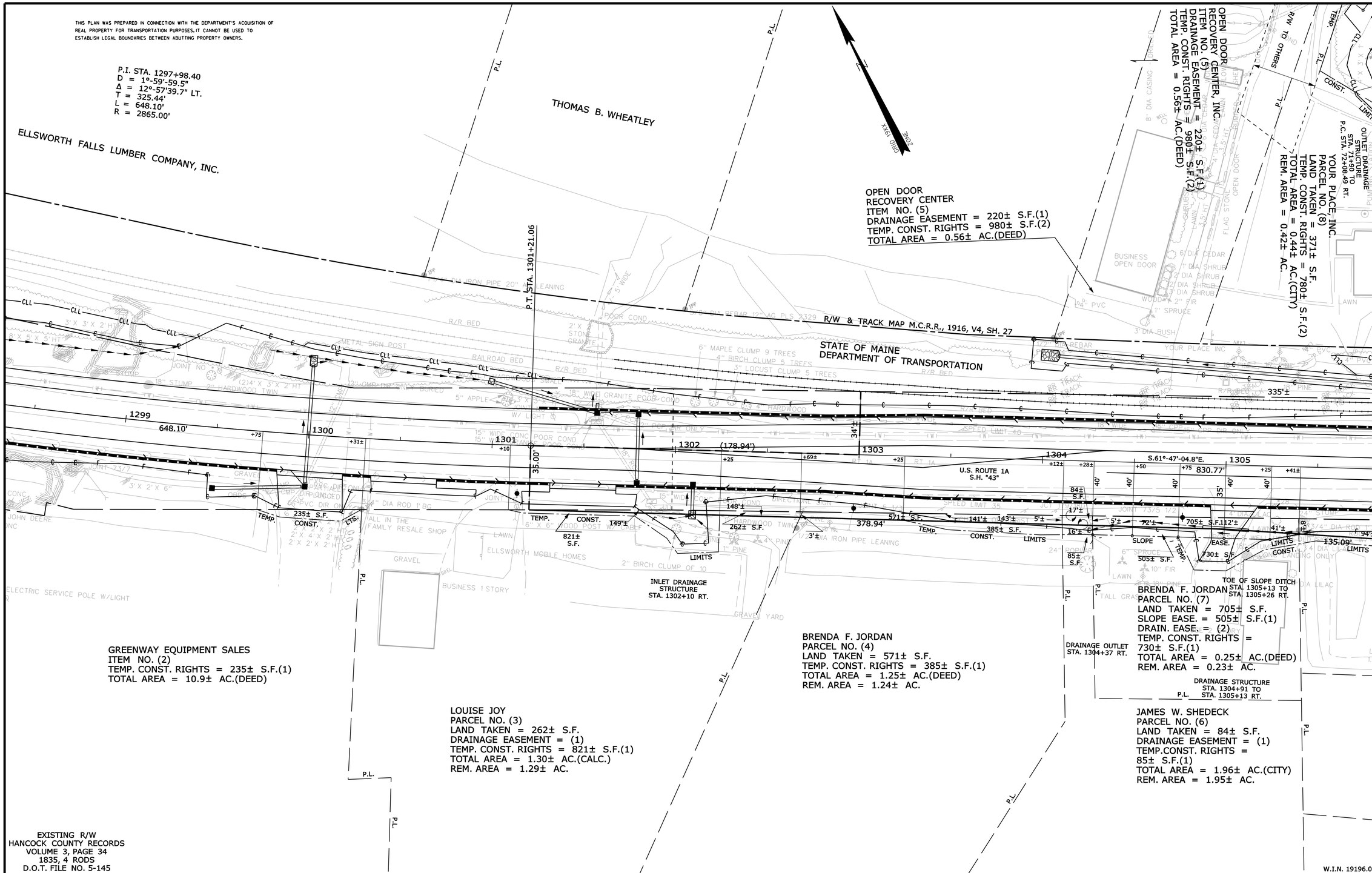
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 1 OF 11

SHEET NUMBER
177
OF 187

Filename: ...\00\row\msta\001_RWPLAN1.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016



SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊡ (ROW MONUMENT)
- ⚠BM (TRAVERSE POINT)
- 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
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

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

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

DAVID BERNHARDT
COMMISSIONER

DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 2 OF 11

SHEET NUMBER
178
OF 187

Filename: ...\00\row\msta\002_RWPLAN2.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

Filename: ...\00\row\msla\003_RWPLAN3.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

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

DENISE M. HUE
DAVID B. HERRINGTON
ITEM NO. (18)
TEMP. CONST. RIGHTS = 180± S.F.(1)
TOTAL AREA = 0.69± AC.(CITY)

DAVID HERRINGTON
ITEM NO. (15)
TEMP. CONST. RIGHTS = 700± S.F.(2)
TOTAL AREA = 1.01± AC.(CITY)

S.A.H. NO. 7
P.I. STA. 203+41.69
D = 11°-27'-33.0"
Δ = 12°-14'33.8" RT.
T = 53.62'
L = 106.84'
R = 500.00'

S.A.H. NO. 7
P.I. STA. 202+18.03
D = 17°-37'-46.1"
Δ = 25°-06'-13.2" LT.
T = 72.36'
L = 142.39'
R = 325.00'

UNION CONGREGATIONAL
CHURCH OF ELLSWORTH FALLS
ITEM NO. (14)
TEMP. CONST. RIGHTS =
580± S.F.(2)
TOTAL AREA = 0.22± AC.(CITY)

ALEWIVES RUN, INC.
ITEM NO. (13)
TEMP. CONST. RIGHTS =
1280± S.F.(1)
TOTAL AREA = 0.17± AC.(CITY)

ALEWIVES RUN, INC.

OLD ROUTE 179
P.I. STA. 80+21.84
D = 49°-49'-20.7" RT.
Δ = 26°-56'-24.5" RT.
T = 27.55'
L = 54.08'
R = 115.00'

UNION CONGREGATIONAL
CHURCH OF ELLSWORTH FALLS
PARCEL NO. (16)
LAND TAKEN = 0.28± AC.
TEMP. CONST. RIGHTS = 0.10± AC.(2)
TOTAL AREA = 0.45± AC.
0.45± AC.(TOWN)
REM. AREA = 0.17± AC.

STATE OF MAINE
DEPARTMENT OF
TRANSPORTATION

TOMMY C. RHOADS
ITEM NO. (20)
TEMP. CONST. RIGHTS =
1923± S.F.(3)
TOTAL AREA = 0.26± AC.(CITY)

ANN H. JOHNSON
JUDITH BLOOD
RICHARD BLOOD
PARCEL NO. (21)
LAND TAKEN = 469± S.F.
TEMP. CONST. RIGHTS =
895± S.F.(1)
TOTAL AREA = 0.74± AC.(CITY)
REM. AREA = 0.73± AC.

COASTAL IRRIGATION AND LIGHTING, INC.
PARCEL NO. (17)
LAND TAKEN = 0.06± AC.
(PRESC. EASE.)
LAND TAKEN = 0.06± AC.(OTHER)
TOTAL LAND TAKEN = 0.12± AC.
TEMP. CONST. RIGHTS =
15580± S.F.(1) 0.58± AC.(CITY)
TOTAL AREA = 0.46± AC.
REM. AREA = 0.46± AC.

SHORE ROAD
101
(87')
N.31°-38'-34.4"E.
(135'±)
(47'±)
1869± S.F.
958± S.F.
205± S.F.
236.00'
100
BEGIN B.L.
STA. 99+50
100.00' OF WROUGHT PORTION

U.S. ROUTE 1A
S.H. "43"

DORR LOBSTER CO., INC.
PARCEL NO. (9)
LAND TAKEN = 1869± S.F.
(PRESC. EASE.)
LAND TAKEN = 1975± S.F.
(OTHER)
TOTAL LAND TAKEN = 3844± S.F.
TEMP. CONST. RIGHTS =
850± S.F.(1)
TOTAL AREA =
12,676± S.F.(CALC.)
REM. AREA = 8832± S.F.

MICHAEL F. JORDAN
LINDA B. JORDAN
PARCEL NO. (10)
LAND TAKEN =
958± S.F.(PRESC. EASE.)
LAND TAKEN =
205± S.F.(OTHER)
TOTAL LAND TAKEN =
1163± S.F.
TEMP. CONST. RIGHTS = 500± S.F.(1)
TOTAL AREA = 11,150± S.F.(CALC.)
REM. AREA = 9987± S.F.

S.A.H. NO. 7
(ROUTE 179)
P.T. STA. 203+94.91
N.15°27'-15.0"E. 80.09'
106.84'

UNION CONGREGATIONAL
CHURCH OF ELLSWORTH FALLS
PARCEL NO. (11)
LAND TAKEN = 814± S.F.(PRESC. EASE.)
LAND TAKEN = 571± S.F.(OTHER)(2)
TOTAL LAND TAKEN = 1385± S.F.
DRAINAGE EASEMENT = 875± S.F.(1)
TEMP. CONST. RIGHTS = 0.18± AC.(2)
TOTAL AREA = 10,683± S.F.(CALC.)
REM. AREA = 9298± S.F.

RICKY V. HUNNEWELL
DIANNE I. HUNNEWELL
PARCEL NO. (12)
LAND TAKEN =
1562± S.F.(PRESC. EASE.)
LAND TAKEN =
639± S.F.(OTHER)
TOTAL LAND TAKEN = 2201± S.F.
SLOPE EASE. = 640± S.F.(1)
TEMP. CONST. RIGHTS =
600± S.F.(2)
TOTAL AREA = 0.61± AC.
REM. AREA = 0.56± AC.

OUTLET DRAINAGE
STRUCTURE
STA. 71+90 TO
P.C. STA. 72+08.49 RT.

YOUR PLACE, INC.
PARCEL NO. (8)
LAND TAKEN = 371± S.F.
TEMP. CONST. RIGHTS = 780± S.F.(2)
TOTAL AREA = 0.44± AC.(CITY)
REM. AREA = 0.42± AC.

OUTLET DRAINAGE
STRUCTURE
STA. 70+95 TO
STA. 71+05 RT.

OPEN DOOR
RECOVERY CENTER, INC.
ITEM NO. (5)
DRAINAGE EASEMENT = 220± S.F.(1)
TEMP. CONST. RIGHTS = 980± S.F.(2)
TOTAL AREA = 0.56± AC.(DEED)

EXISTING R/W
S.H. "43"
HANCOCK COUNTY RECORDS
VOLUME 3, PAGE 34
1835, 4 RODS
D.O.T. FILE NO. 5-145
S.A.H. NO. 7
HANCOCK COUNTY RECORDS
VOLUME 2, PAGE 140
D.O.T. FILE NO. 5-282
1822, 4 RODS

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

OLD MILL ROAD
P.I. STA. 71+08.67
D = 2°-17'-30.6"
Δ = 1°-37'-43.2" LT.
T = 35.53'
L = 71.06'
R = 2500.00'

OLD MILL ROAD
P.I. STA. 72+30.89
D = 76°-23'-39.7"
Δ = 33°-15'-14.9" LT.
T = 22.40'
L = 43.53'
R = 75.00'

TOE OF SLOPE DITCH
STA. 1305+13 TO
STA. 1305+26 RT.

BRENDA F. JORDAN
PARCEL NO. (7)
LAND TAKEN = 705± S.F.
SLOPE EASE. = 505± S.F.(1)
DRAIN. EASE. = (2)
TEMP. CONST. RIGHTS =
730± S.F.(1)
TOTAL AREA = 0.25± AC.(DEED)
REM. AREA = 0.23± AC.

DRAINAGE STRUCTURE
STA. 1304+91 TO
STA. 1305+13 RT.

JAMES W. SHEDECK
PARCEL NO. (6)
LAND TAKEN = 84± S.F.
DRAINAGE EASEMENT = (1)
TEMP.CONST. RIGHTS =
85± S.F.(1)
TOTAL AREA = 1.96± AC.(CITY)
REM. AREA = 1.95± AC.

W.I.N. 19196.00

SYMBOLS
- IP or ⊕ IP/P (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- ⊠ (ROW MONUMENT)
- ⊠ (TRAVERSE POINT)
- WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WRO.,RIGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

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

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK	PAGE	COUNTY RECORD			
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

DAVID BERNHARDT
COMMISSIONER

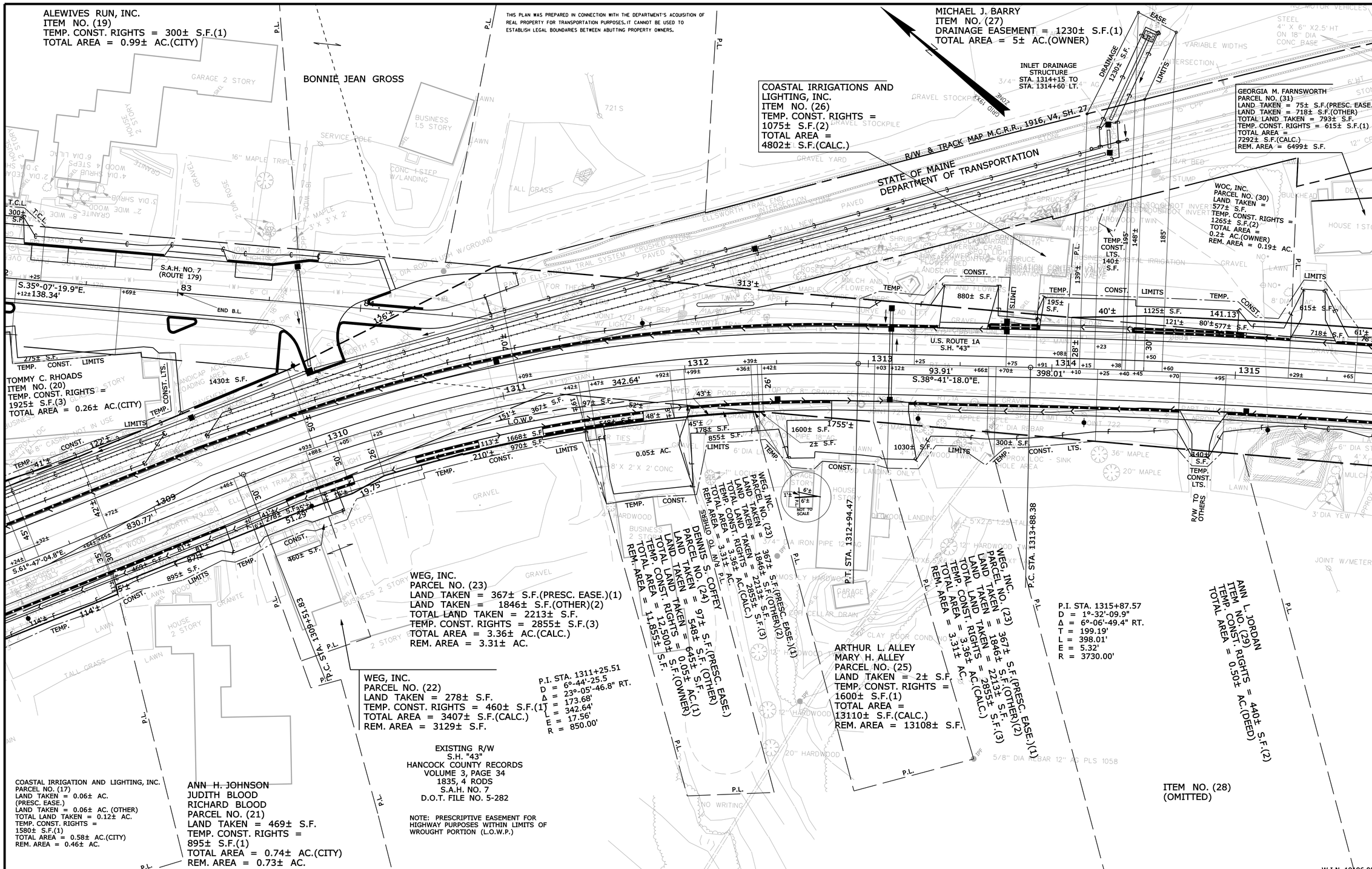
DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 3 OF 11

SHEET NUMBER
179
OF 187



SYMBOLS

- ● IP or ● IPF (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- ■ (ROW MONUMENT)
- &BM (TRAVERSE POINT)
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE - P.L.
- 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	B.D.M.	
PROP. LINES	T.L.B.	
AREAS	T.L.B.	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

DAVID BERNHARDT
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DAVID BERNHARDT
CHIEF ENGINEER

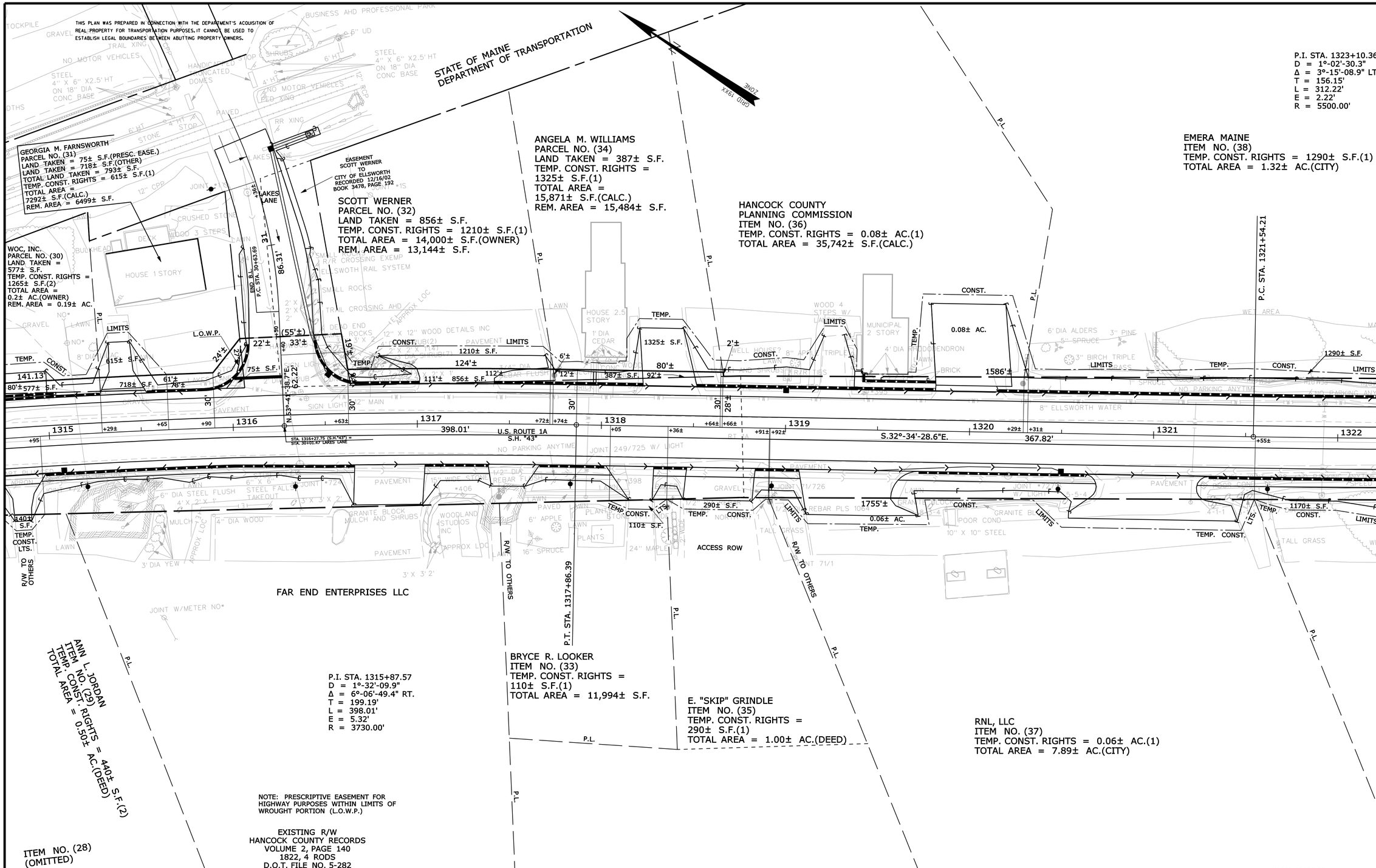
DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 4 OF 11

SHEET NUMBER
180
OF 187

Filename: ...\00\row\msta\004_RWPLAN4.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016



Filename: ...\00\row\msta\005_RWPLAN5.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

SYMBOLS

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

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

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN NO.	FILED IN PLAN BOOK	PAGE	COUNTY RECORD			
	GRANTOR		INSTRUMENT	DATE	BOOK	PAGE
			COND.	3/16/16	6536	309

DAVID BERNHARDT
COMMISSIONER

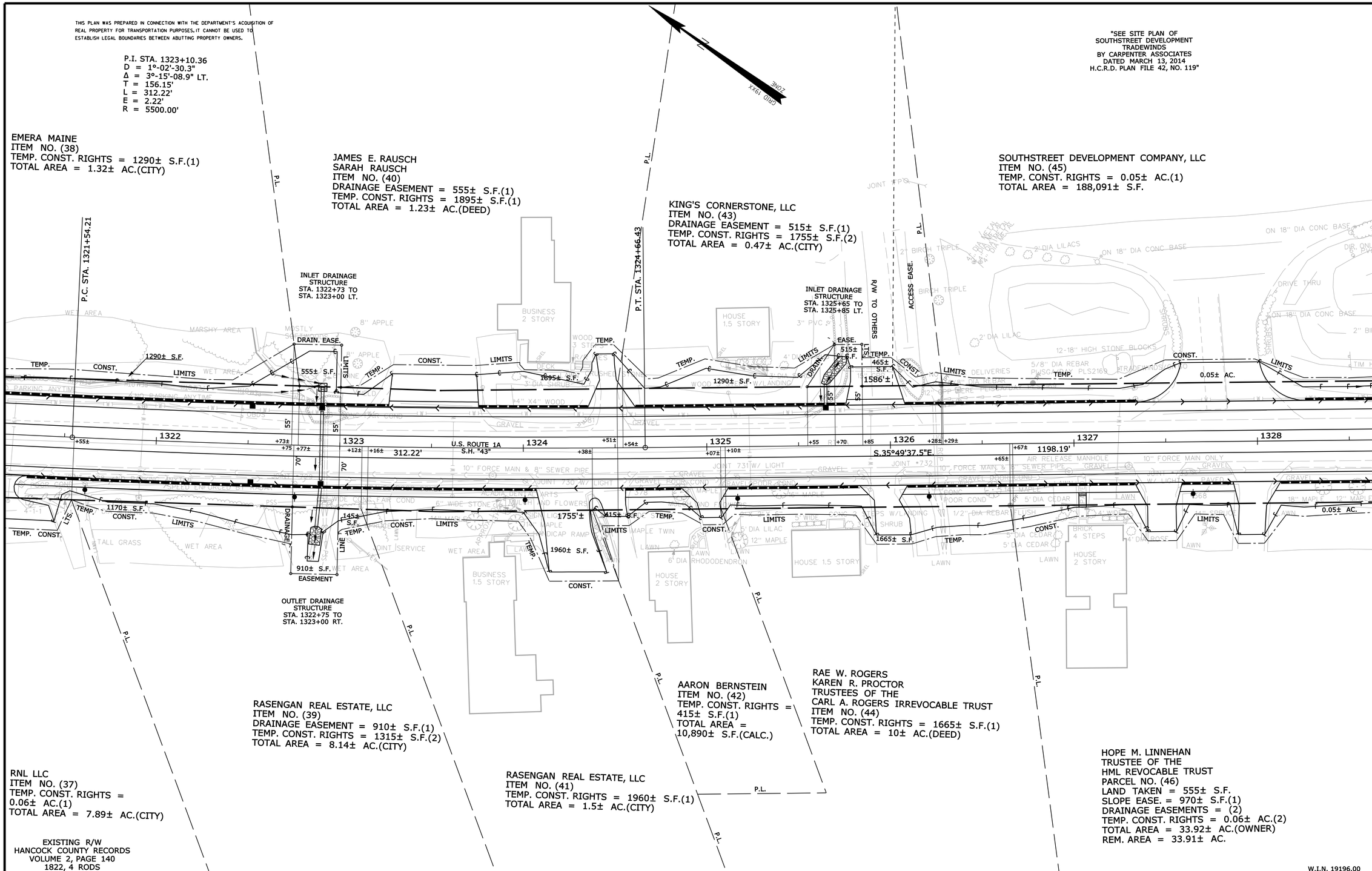
DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 5 OF 11

SHEET NUMBER
181
OF 187



SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊞ (ROW MONUMENT)
- ⚠BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- WELL (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	B.D.M.	
PROP. LINES	T.L.B.	
AREAS	T.L.B.	

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

DAVID BERNHARDT
COMMISSIONER
DAVID BERNHARDT
CHIEF ENGINEER
DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

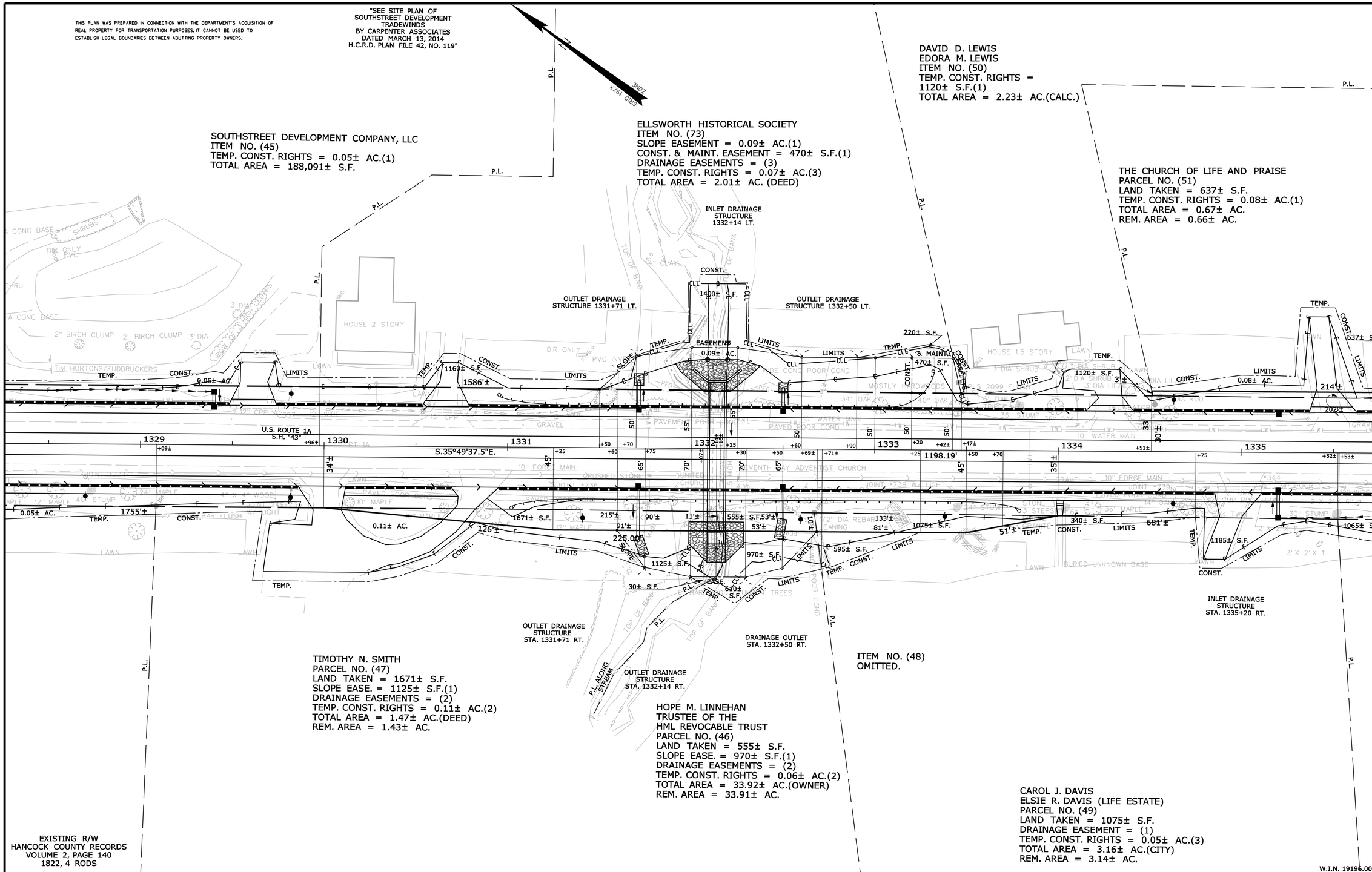
SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 6 OF 11

SHEET NUMBER
182
OF 187

Filename: ...\00\row\msta\006_RWPLAN6.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

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

"SEE SITE PLAN OF SOUTHSTREET DEVELOPMENT TRADEWINDS BY CARPENTER ASSOCIATES DATED MARCH 13, 2014 H.C.R.D. PLAN FILE 42, NO. 119"



SYMBOLS

- ○ WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE - PL -
- LIMITS OF "ARROWS" RIGHT TO 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)
- ⊠ (ROW MONUMENT)
- ⊕BM (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

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

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

REVISIONS

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DAVID BERNHARDT
COMMISSIONER

DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 7 OF 11

SHEET NUMBER
183
OF 187

Filename: ...\00\row\msto\007_RWPLAN7.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

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"SEE STANDARD BOUNDARY SURVEY OF LANDS OF THE ELLSWORTH FULL GOSPEL CHURCH BY HORIZON SURVEYING COMPANY DATED MAY 14, 1990 H.C.R.D. PLAN FILE 23, NO. 155"

THE CHURCH OF LIFE AND PRAISE
PARCEL NO. (53)
LAND TAKEN = 473± S.F.
TEMP. CONST. RIGHTS = 280± S.F.(1)
TOTAL AREA = 0.56± AC.(OWNER)
REM. AREA = 0.55± AC.

THE CHURCH OF LIFE AND PRAISE
PARCEL NO. (51)
LAND TAKEN = 637± S.F. = 0.08± AC.(1)
TEMP. CONST. RIGHTS = 0.67± AC.
TOTAL AREA = 0.66± AC.
REM. AREA =

THE CHURCH OF LIFE AND PRAISE
PARCEL NO. (55)
LAND TAKEN = 392± S.F.
TOTAL AREA = 2.96± AC.(SURVEY)
REM. AREA = 2.95± AC.

THE CHURCH OF LIFE AND PRAISE
PARCEL NO. (57)
LAND TAKEN = 259± S.F.
TEMP. CONST. RIGHTS = 995± S.F.(1)
TOTAL AREA = 0.62± AC.(SURVEY)
REM. AREA = 0.61± AC.

CITY OF ELLSWORTH
PARCEL NO. (58)
LAND TAKEN = 583± S.F.
TEMP. CONST. RIGHTS = 821± S.F.(1)
TOTAL AREA = 1.50± AC.(CALC.)
REM. AREA = 1.49± AC.

P.I. STA. 1341+57.15
D = 0°-15'-00"
Δ = 0°-51'-43.1" LT.
T = 172.40'
L = 344.78'
E = 0.65'
R = 22,918.00'

REGIONAL SCHOOL
UNIT N0. 24
PARCEL NO. (61)
LAND TAKEN = 0.06± AC.(2)
SLOPE EASEMENT = 790± S.F.(1)
DRAINAGE EASEMENT = 695± S.F.(1)
TEMP. CONST. RIGHTS = 0.06± AC.(2)
TOTAL AREA =
7.9± AC.(DEED)
REM. AREA = 7.84± AC.

P.C. STA. 1339+84.75

P.C. STA. 1336+64.62

P.T. STA. 1339+18.24

SEWER LINE THIS AREA PER OWNER

U.S. ROUTE 1A
S.H. "43"

S.35°49'37.5"E. 1198.19'

S.34°-33'-32.3"E. 66.51'

253.62'

344.79'

CALVIN C. JORDAN
ITEM NO. (54)
TEMP. CONST. RIGHTS = 765± S.F.(2)
TOTAL AREA = 0.59± AC.(CITY)

FRANK H. KING, II
PAMELA J. KING
ITEM NO. (52)
TEMP. CONST. RIGHTS = 1065± S.F.(1)
TOTAL AREA = 0.56± AC. (DEED)

JOAN DINSMORE
JENNIFER A. LITTLEFIELD
ITEM NO. (56)
TEMP. CONST. RIGHTS = 570± S.F.(2)
TOTAL AREA = 1.3± AC.(OWNER)

BARBARA B. SPURLING
ITEM NO. (59)
TEMP. CONST. RIGHTS =
535± S.F.(1)
TOTAL AREA =
14,517± S.F.(CALC.)

CONSTANCE J. SISSON
STEVEN W. SISSON
PARCEL NO. (60)
LAND TAKEN = 116± S.F.
TEMP. CONST. RIGHTS =
65± S.F.(1)
TOTAL AREA = 15,612± S.F.(CALC.)
REM. AREA = 15,496± S.F.

GARY G. VANIDESTINE
RUTH H. VANIDESTINE
PARCEL NO. (62)
LAND TAKEN = 218± S.F.
TEMP. CONST. RIGHTS = 670± S.F.(1)
TOTAL AREA = 1.25± AC.(DEED)
REM. AREA = 1.24± AC.

P.I. STA. 1337+91.43
D = 0°-30'-00.0"
Δ = 1°-16'-05.2" RT.
T = 126.82'
L = 253.62'
E = 0.70'
R = 11,459.20'

EXISTING R/W
HANCOCK COUNTY RECORDS
VOLUME 2, PAGE 140
1822, 4 RODS
ALSO SEE D.O.T. FILE NO. 5-256

LOT PLAN THIS AREA
"SUBDIVISION OF LAND OWNED BY EARLE D. & CHARLES A. HOLT"
BY H.M. KENNISTON
H.C.R.D. PLAN BOOK 6, PAGE 35

W.I.N. 19196.00

SYMBOLS
WELL
GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE
PROPERTY LINE
LIMITS OF "RIGHT TO RETION (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)
(ROW MONUMENT)
BM (TRAVERSE POINT)
WATER LINE
GAS LINE
ELECTRIC LINE
TELEPHONE LINE
SEWER LINE

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

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

REVISIONS

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DAVID BERNHARDT
COMMISSIONER

DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 8 OF 11

SHEET NUMBER
184
OF 187

Filename: ...\00\row\mnsto\008_RWPLAN8.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

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

P.I. STA. 1341+57.15
D = 0°-15'-00"
Δ = 0°-51'-43.1" LT.
T = 172.40'
L = 344.78'
E = 0.65'
R = 22,918.00'

REGIONAL SCHOOL
UNIT NO. 24
PARCEL NO. (61)
LAND TAKEN = 0.06± AC.(2)
SLOPE EASEMENT = 790± S.F.(1)
DRAINAGE EASEMENT = 695± S.F.(1)
TEMP. CONST. RIGHTS = 0.06± AC.(2)
TOTAL AREA =
7.9± AC.(DEED)
REM. AREA = 7.84± AC.

CITY OF ELLSWORTH
PARCEL NO. (64)
LAND TAKEN = 1508± S.F.
SLOPE EASEMENT = 1275± S.F.(1)
DRAINAGE EASEMENT = (1)
TEMP. CONST. RIGHTS = 1090± S.F.(1)
TOTAL AREA = 0.91± AC.(DEED)
REM. AREA = 0.88± AC.

REGIONAL SCHOOL
UNIT NO. 24
PARCEL NO. (61)
LAND TAKEN = 0.06± AC.(2)
SLOPE EASEMENT = 790± S.F.(1)
DRAINAGE EASEMENT = 695± S.F.(1)
TEMP. CONST. RIGHTS = 0.06± AC.(2)
TOTAL AREA = 7.9± AC.(DEED)
REM. AREA = 7.84± AC.

PATRICIA ARCHER
PARCEL NO. (65)
LAND TAKEN = 911± S.F.
SLOPE EASEMENT = 105± S.F.(1)
TEMP. CONST. RIGHTS = 860± S.F.(1)
TOTAL AREA =
0.45± AC.(OWNER)
REM. AREA = 0.43± AC.

CHURCH OF JESUS CHRIST OF
LATTER DAY SAINTS
A/K/A/ COMMUNITY OF CHRIST CHURCH
PARCEL NO. (66)
LAND TAKEN = 670± S.F.
SLOPE EASEMENT = 0.08± AC.(1)
DRAINAGE EASEMENT = (1)
TOTAL AREA = 1.78± AC.(DEED)
REM. AREA = 1.76± AC.

TOE OF SLOPE DITCH
STA. 1348+06 TO
STA. 1350+50 LT.

INLET DRAINAGE
STRUCTURE
STA. 1346+00 LT.

INLET DRAINAGE
STRUCTURES
STA. 1346+70 TO
STA. 1346+98 LT.

INLET DRAINAGE
STRUCTURE
STA. 1349+50 LT.

DRAINAGE STRUCTURE
STA. 1348+55 TO
STA. 1348+83 LT.

INLET DRAINAGE
STRUCTURE
STA. 1345+05 TO
STA. 1345+30 RT.

INLET DRAINAGE
STRUCTURE
STA. 1348+86 RT.

GARY G. VANIDESTINE
RUTH H. VANIDESTINE
PARCEL NO. (62)
LAND TAKEN = 218± S.F
TEMP. CONST. RIGHTS = 670± S.F.(1)
TOTAL AREA = 1.25± AC.(DEED)
REM. AREA = 1.24± AC.

P.T. STA. 1343+29.54

EXISTING R/W
HANCOCK COUNTY RECORDS
VOLUME 2, PAGE 140
1822, 4 RODS
ALSO SEE D.O.T. FILE NO. 5-256

EASTLAND PARK LP
PARCEL NO. (63)
LAND TAKEN = 0.07± AC.
DRAINAGE EASEMENT = 765± S.F.(2)
TEMP. CONST. RIGHTS = 1410± S.F.(3)
TOTAL AREA = 3.55± AC.
REM. AREA = 3.48± AC.

SITE PLAN OF EASTLAND PARK
ELLWORTH, ME
BY KURUTZ & KNIGHT
H.C.R.D. PLAN FILE 19, NO. 29

W.I.N. 19196.00

SYMBOLS
WELL
GRADING LIMIT LINE
CONSERVATION LIMIT LINE
PROPERTY LINE
LIMITS OF "RIGHT TO 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)
(ROW MONUMENT)
BM (TRAVERSE POINT)
WATER LINE
GAS LINE
ELECTRIC LINE
TELEPHONE LINE
SEWER LINE

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

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

REVISIONS			
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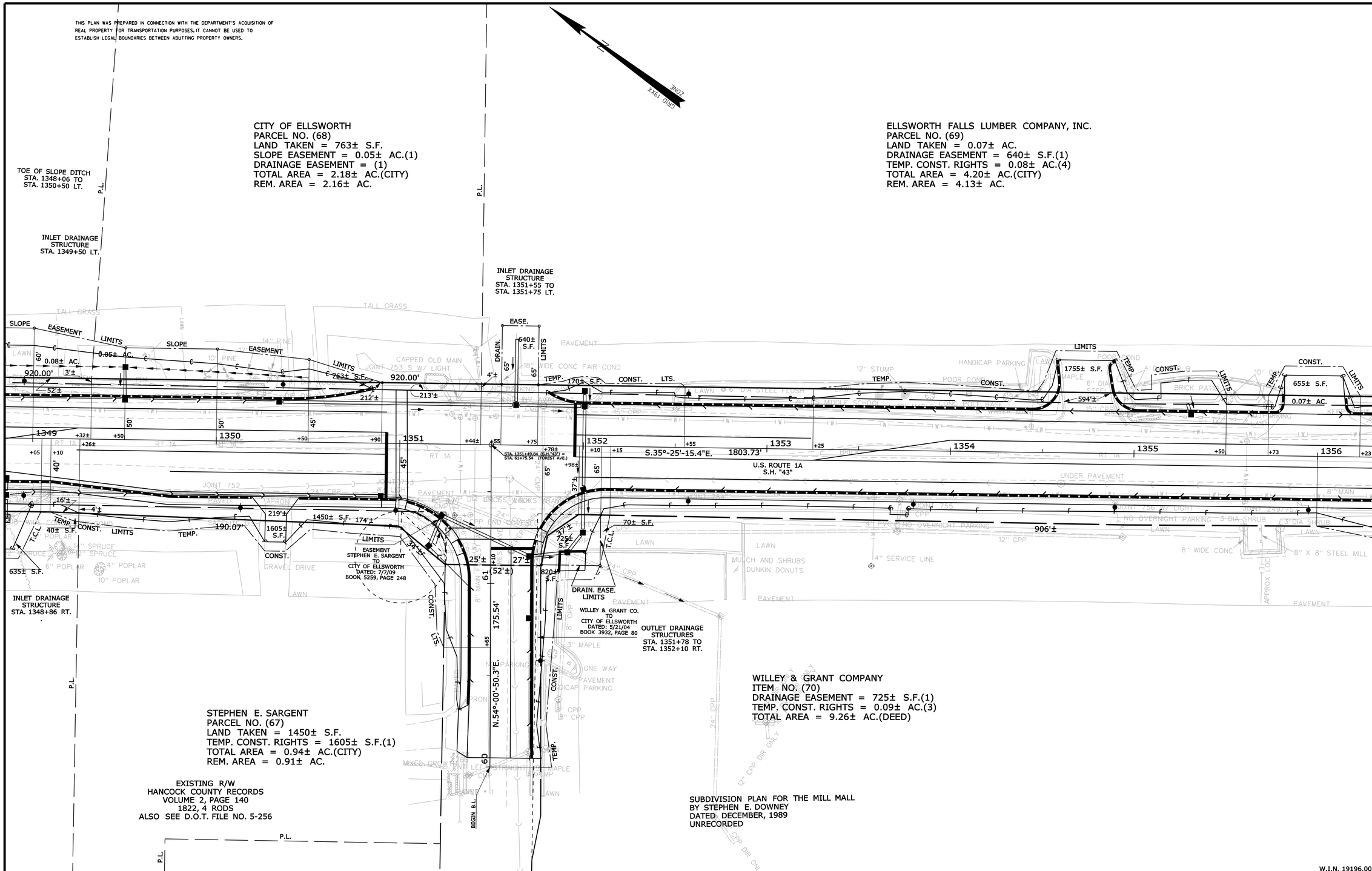
DAVID BERNHARDT
COMMISSIONER
DAVID BERNHARDT
CHIEF ENGINEER
DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 5-301
SCALE 1" = 25'	SHEET 9 OF 11	

SHEET NUMBER
185
OF 187

Filename: ...\00\row\msta\009_RWPLAN9.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016



SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊡ (ROW MONUMENT)
- ⚠BM (TRAVERSE POINT)
- 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
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

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

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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		COND.	3/16/16	6536	309

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DAVID BERNHARDT
CHIEF ENGINEER

DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 10 OF 11

SHEET NUMBER
186
OF 187

Filename: ...\00\row\msta\010_RWPLAN10.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

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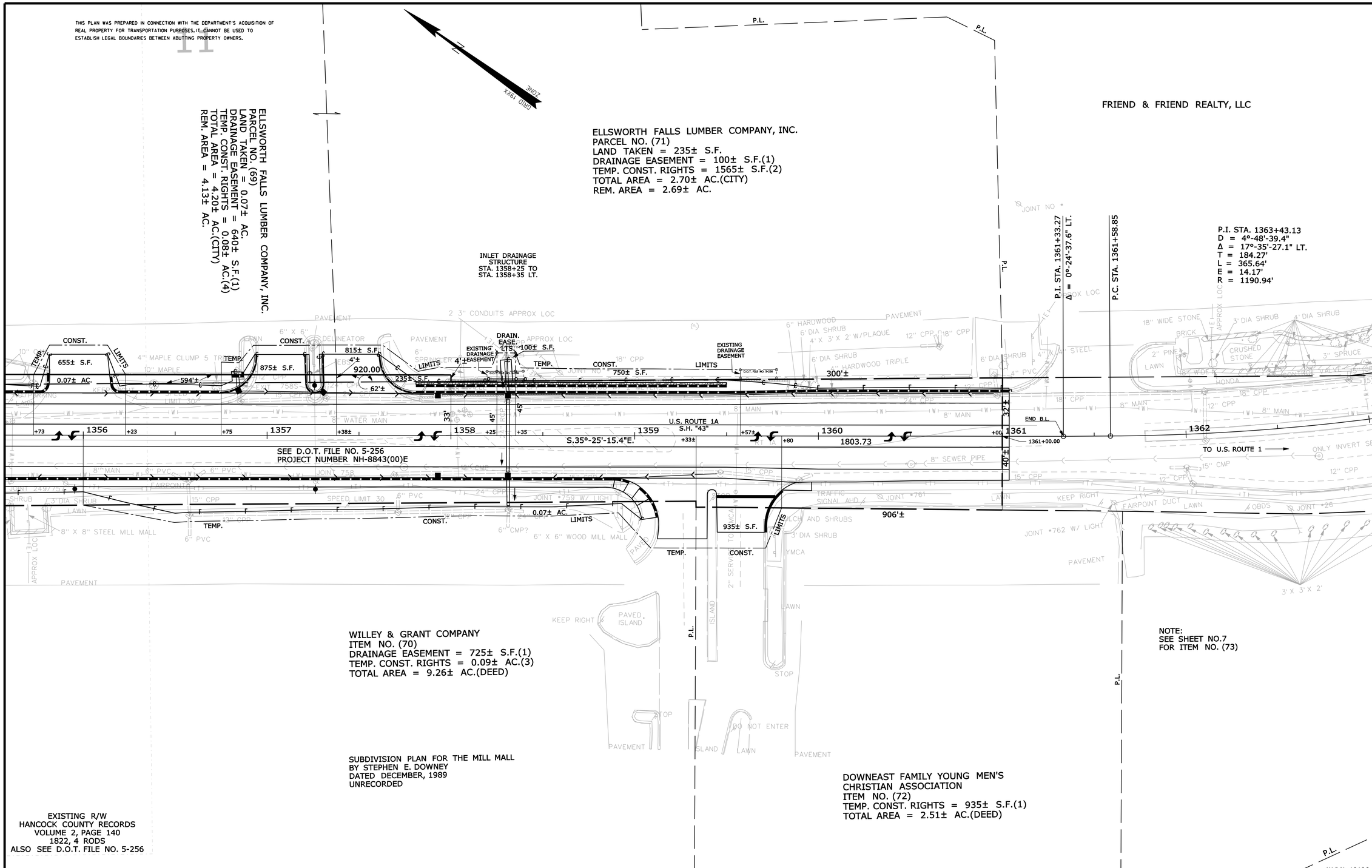


SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ☐ S.T. (SEPTIC TANK)
- ⊞ (ROW MONUMENT)
- ⊕ BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- 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

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

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/16/16	6536	309

DAVID BERNHARDT
COMMISSIONER
DAVID BERNHARDT
CHIEF ENGINEER
DATE

STATE HIGHWAY "43"
U.S. ROUTE 1A
ELLSWORTH HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-1919(600)X

SEPTEMBER 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-301
SCALE 1" = 25' | SHEET 11 OF 11

SHEET NUMBER
187
OF 187

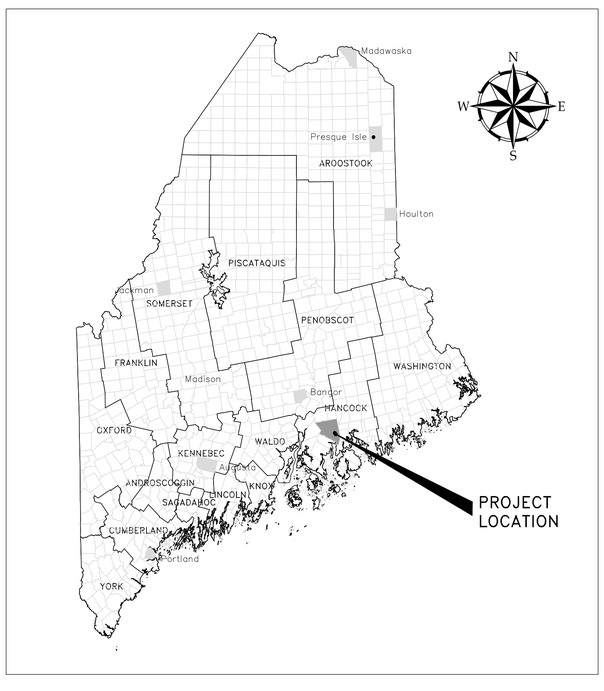
Filename: ...\00\ROW\MSTA\011_RWPLAN11.dgn Division: HIGHWAY Username: Rhobe.Moulton Date:3/21/2016

CITY OF ELLSWORTH
ELLSWORTH, ME

STATE STREET UTILITY REPLACEMENT

PROJECT NO. 227652.00

DECEMBER, 2015



PROJECT LOCATION MAP

50 0 50 100
scale mile

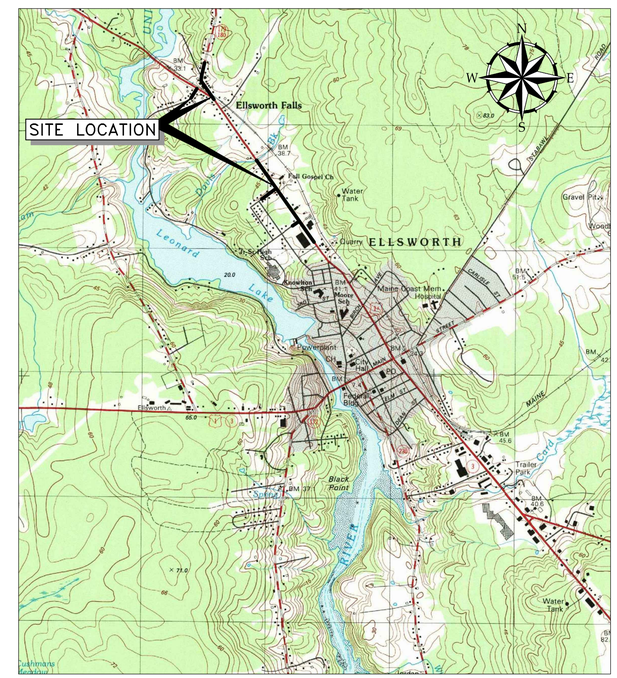
ISSUED FOR BID

STATE OF MAINE
NATHAN T. MCLAUGHLIN
No. 10667
PROFESSIONAL ENGINEER

WOODARD & CURRAN

One Merchants Plaza | Suite 501
Bangor, Maine 04401
800.564.2333 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS



SOURCE: USGS TOPOGRAPHIC MAP

SITE LOCATION MAP

½ 0 ½ 1
scale mile

2000 0 2000 4000
scale feet

22x34 SHEET
1:1

LEGEND**

DESCRIPTION	EXISTING	PROPOSED
CONTOUR (1' OR 2' INTERVAL)	122	122
CONTOUR (INDEX)	120	120
SANITARY SEWER	S	S
FORCE MAIN	FM	FM
STORM DRAIN	SD	SD
UNDERDRAIN	UD	UD
WATER MAIN	W	W
UNDERGROUND ELECTRIC	E	E
UNDERGROUND TELEPHONE	T	T
UNDERGROUND TELEVISION	TV	TV
GAS LINE	G	G
OVERHEAD ELECTRIC	OE	OE
ABANDONED SEWER	AS	
ABANDONED WATER MAIN	AW	
CULVERT	INV. IN EL. XXX.XX / INV. OUT EL. XXX.XX	INV. IN EL. XXX.XX / INV. OUT
HOUSE SERVICE / LATERAL	S	S
PROPERTY LINE	ℙ	ℙ
RIGHT OF WAY	R/W	R/W
EASEMENT		
EDGE OF VEGETATION		
FENCE	x	x
CENTERLINE	℄	℄
RETAINING WALL		
STONEWALL		
CURB		
EDGE OF PAVEMENT		
EDGE OF GRAVEL		
GUARDRAIL		
RAILROAD TRACKS		
DRAINAGE DITCH / SWALE		
SANITARY SEWER MANHOLE		
SANITARY SEWER SERVICE CLEANOUT	CO	CO
STORM DRAIN MANHOLE		
CATCH BASIN		
TELECOMM MANHOLE		
TELECOMM SERVICE BOX	T	
ELECTRIC MANHOLE		
TRANSFORMER		
UTILITY POLE W/GUY		
UTILITY POLE		
LIGHTPOST		
GAS METER BOX	G	G
GAS VENT		
GAS GATE		
WATER GATE		
CURB STOP		
HYDRANT		
WATER WELL	W	W
WATER METER BOX	W	W
SIGN		
MAILBOX		
FLAGPOLE	FP	
WETLAND HATCHING		
CONIFEROUS TREE		
DECIDUOUS TREE		
STONE CHECK DAM	SCD	SCD
SURVEY STATION		
IRON PIN	IPF	IPS
MONUMENTS	MF	MS
SPOT ELEVATION	XXX.XX	XXX.XX
TEST PIT & NUMBER	TP-X	
BORING & NUMBER	B-X	B-P

**THIS IS A GENERAL LEGEND. NOT ALL ITEMS APPEAR ON THESE DRAWINGS

SHEET INDEX

GENERAL

G-001 SHEET INDEX, GENERAL NOTES, LEGEND, AND ABBREVIATIONS

CIVIL

C-001 SHORE ROAD AND NORTH STREET PLAN
C-002 STATE STREET DAVIS BROOK CROSSING PLAN AND PROFILE
C-003 STATE STREET PLAN STA. 1334+00 TO STA. 1343+00 AND WESTERN AVENUE PLAN
C-004 STATE STREET PLAN STA. 1343+00 TO STA. 1360+00 AND SEWER PROFILE
C-005 CIVIL DETAILS 1
C-006 CIVIL DETAILS 2
C-007 CIVIL DETAILS 3

ABBREVIATIONS

&	AND
A.G.	ABOVE GROUND
ADS	ADVANCED DRAINAGE SYSTEM
ALUM.	ALUMINUM
B	BORING
BIT.	BITUMINOUS
BK	BOOK
BM	BENCHMARK
CK.	CHECKED
CMP	CENTRAL MAINE POWER
CONC	CONCRETE
D.I.	DUCTILE IRON
DES.	DESIGNED
DIA.	DIAMETER
DR.	DRAWN
E	EAST
EL.	ELEVATION
ELEC.	ELECTRICAL
EMBED.	EMBEDDMENT
EX.	EXISTING
FF	FINISH FLOOR
FIN.	FINISH
FL.	FLOOR
FT	FOOT/FEET
GALV.	GALVANIZED
GRND	GROUND
H	HEIGHT
HWY	HIGHWAY
IN	INCH
INV.	INVERT
LF	LINEAR FEET
LM	LINEAR METERS
MAX.	MAXIMUM
MDOT	MAINE DEPARTMENT OF TRANSPORTATION
MH	MANHOLE
MIN.	MINIMUM
MJ	MECHANICAL JOINT
MM, mm	MILLIMETER
MON	MONUMENT
MPH	MILES PER HOUR
NET	NEW ENGLAND TELEPHONE
NO.	NUMBER
NR	NO REFUSAL
N.T.S.	NOT TO SCALE
O.C.E.W.	ON CENTER EACH WAY
O.D.	OUTSIDE DIAMETER
OH	OVERHEAD
±	PLUS OR MINUS
PLS	PROFESSIONAL LAND SURVEYOR
PSI	PER SQUARE INCH
PSIG	PER SQUARE INCH GAUGE PRESSURE
PVC	POLYVINYL CHLORIDE
R.O.W.	RIGHT-OF-WAY
R/W	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
REINF.	REINFORCED
REQ'D	REQUIRED
RET	RETAINING
RLS	REGISTERED LAND SURVEYOR
RT	ROUTE
RTE	ROUTE
S	SLOPE
S.S.	STAINLESS STEEL
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
STA.	STATION
TYP.	TYPICAL
UC	UNDERGROUND CABLE
UNO	UNLESS NOTED OTHERWISE
W	WATER
W	WEST
W/	WITH
WV	WATER VALVE

GENERAL NOTES:

1. THE PROJECT GENERALLY INCLUDES THE INSTALLATION OF 12 INCH D.I. WATER MAIN ALONG MAINE DEPARTMENT OF TRANSPORTATION (MDOT) U.S. ROUTE 1A RECONSTRUCTION PROJECT. THIS PORTION OF THE PROJECT ALSO INCLUDES THE INSTALLATION OF HYDRANTS, TEES, VALVES AND ASSEMBLIES, MAIN CONTROL VALVES, BENDS AS REQUIRED, THRUST BLOCKS AS REQUIRED, COPPER WATER SERVICES AND CURB STOPS AT RIGHT-OF-WAY. ALL WATER MAIN INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELLSWORTH WATER DEPARTMENT (EWD) AND MDOT. THIS PROJECT ALSO INCLUDES SECTIONS OF SEWER MAIN REPLACEMENT.
2. UNLESS OTHERWISE INDICATED, WATER SERVICES WILL BE 3/4" COPPER. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NEW CURB STOPS AS INDICATED ON PLANS.
3. BASE PLANS FOR THE PROJECT WERE DEVELOPED USING DRAFT PLANS PROVIDED BY THE STATE OF MAINE DEPARTMENT OF TRANSPORTATION (MDOT) FOR ELLSWORTH, U.S. RTE 1, PROJECT NUMBER AC-STP-1919(600)X.
4. THE LOCATION, TYPE, AND SIZE OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES SHOWN ON THE DRAWINGS ARE NOT WARRANTED TO BE EXACT NOR IS IT WARRANTED THAT ALL UNDERGROUND STRUCTURES ARE SHOWN. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS.
5. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS AS REQUIRED TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. MATERIALS AND EQUIPMENT SHALL BE IN GOOD CONDITION AND WITHOUT BLEMISH, DAMAGE, OR DEFECTS IN WORKMANSHIP. ITEMS FOUND TO BE DAMAGED OR OTHERWISE UNSUITABLE FOR THE WORK OF THIS PROJECT SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED AT HIS/HER EXPENSE. THERE SHALL BE NO OWNER SUPPLIED MATERIALS IN THIS CONTRACT. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE, AND LOCAL RULES, GUIDELINES, AND LAWS.
6. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES, MAINE DEPARTMENT OF TRANSPORTATION (MDOT), AND CITY OF ELLSWORTH. NOTIFY UTILITY COMPANIES WITHIN 72 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES. COORDINATE ANY TREE PRUNING EFFORTS WITH THE POWER UTILITY TO ENSURE SAFE WORKING CONDITIONS AROUND LOW POWER LINES AND SERVICES. CONTRACTOR SHALL ALSO CONTACT "DIG SAFE", TELEPHONE NO. 1-888-344-7233 PRIOR TO COMMENCING EXCAVATION. REPAIR OF ANY DAMAGED UTILITY WILL BE INCIDENTAL TO THIS PROJECT.
7. CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION. MDOT TRAFFIC CONTROL AND SIGNAGE REQUIREMENTS SHALL APPLY IN ALL AREAS OF THE PROJECT. TRAFFIC CONTROL DEVICES AND UNIFORMED TRAFFIC GUARDS SHALL BE PROVIDED BY THE CONTRACTOR.
8. SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. PERFORM ALL WORK IN ACCORDANCE WITH SAFETY STANDARDS OF APPLICABLE LAWS, BUILDING AND CONSTRUCTION CODES, THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND THE REQUIREMENTS OF TITLE 9 OF THE CODE OF FEDERAL REGULATIONS, PART 1926, "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION".
9. PROVIDE MINIMUM 10 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND SEWER MAINS UNLESS OTHERWISE NOTED. SEE DETAIL SHEET C005. WHERE WATER MAINS CROSS SEWER MAINS PROVIDE AT LEAST 18" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER MAIN.
10. ALL NEW WATER MAIN AND OTHER PIPING SHALL HAVE A MINIMUM OF 6 FEET OF COVER UNLESS NOTED OTHERWISE OR APPROVED BY THE ENGINEER. INSULATE ALL WATER MAINS AND SERVICES WITH LESS THAN 6 FEET OF COVER, OR WHERE DIRECTED BY THE ENGINEER. RIGID INSULATION REQUIRED: 2) THICK, BY 4' WIDE, UNLESS OTHERWISE NOTED. OVERLAP JOINTS IN INSULATION TO AVOID SHORT-CIRCUITING.
11. THE CONTRACTOR SHALL INSTALL THRUST BLOCKS AT ALL TEES AND BENDS IN WATER MAIN. REFER TO DETAIL SHEET C005.
12. AT THE END OF EACH DAY'S WORK, THE CONTRACTOR SHALL SPRAY THE INSIDE OF PIPE WITH SODIUM HYPOCHLORITE AND BLOCK PIPE OVERNIGHT WITH SANITARY WATERTIGHT PLUG.
13. CONTRACTOR SHALL SUPPLY ALL WATER NECESSARY FOR PRESSURE TESTING, FLUSHING AND DISINFECTION. DECHLORINATION OF DISINFECTION WATER WILL BE A REQUIREMENT DURING THE PIPE DISINFECTION PROCESS.
14. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IN WRITING OF ANY CONDITION OR OCCURRENCE THAT REPRESENTS A CHANGE IN PROJECT SCOPE. VERBAL NOTIFICATION IS REQUIRED PRIOR TO PROCEEDING WITH THE WORK OF THE PROJECT AND WRITTEN NOTIFICATION MUST BE RECEIVED WITHIN 30 DAYS OF THE VERBAL NOTIFICATION. REQUESTS FOR FEE ADJUSTMENTS WILL NOT BE CONSIDERED UNLESS PROPER NOTICE IS GIVEN.
15. THE CONTRACTOR SHALL SUPERVISE AND INSPECT THE WORK OF THIS PROJECT IN AN EFFICIENT AND COMPETENT MANNER. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCE AND PROCEDURES USED TO COMPLETE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THE WORK IS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. A REPRESENTATIVE OF THE GENERAL CONTRACTOR SHALL BE PRESENT DURING ALL PHASES OF THE WORK.
16. RESTORE ALL AREAS DISTURBED OUTSIDE OF MDOT PROJECT LIMITS, BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC.) UNLESS OTHERWISE NOTED ON PLANS. RESTORATION OF GRAVEL ROAD AND DRIVEWAY SURFACES AND LAWNS DAMAGED BY CONTRACTOR SHALL BE INCIDENTAL TO THE PROJECT.
17. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE, BY A REGISTERED LAND SURVEYOR APPROVED BY THE ENGINEER.
18. EXISTING FACILITIES AND IMPROVEMENTS (I.E. GUARDRAILS, TREES, POLES, SIGNS, MAIL BOXES, ETC.) SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR OR PROTECTED AS REQUIRED DURING CONSTRUCTION. THE ASSOCIATED COSTS ARE INCIDENTAL TO THE PROJECT.
19. IN THE EVENT THAT DISCREPANCIES OR CONFLICTS BETWEEN MDOT SPECIFICATIONS, SPECIAL PROVISIONS, AND PLANS OCCUR WITH THE WATER UTILITIES SPECIFICATIONS, SPECIAL PROVISIONS AND PLANS, MDOT OR MORE RESTRICTIVE SHALL PREVAIL.
20. THE CONSTRUCTION OF THE PROPOSED WATER MAIN, SERVICES AND APPURTENANCES ARE BEING COMPLETED IN CONJUNCTION WITH A MDOT ROADWAY CONSTRUCTION PROJECT. THE CONTRACTOR SHALL COORDINATE WORK SEQUENCING TO ENSURE THAT ALL WORK ELEMENTS ASSOCIATED WITH THE WATER MAIN INSTALLATION AND THE ROAD RECONSTRUCTION ARE COMPLETED WITHIN THE SCHEDULE REQUIRED BY THE MDOT CONTRACT DOCUMENTS.
21. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL BENDS AND FITTINGS AS REQUIRED TO INSTALL THE WATER MAIN AND SERVICE AS SHOWN ON THE DRAWING.
22. IN MOST LOCATIONS, THE PROPOSED WATER MAIN AND SERVICES ARE SHOWN IN THE SAME LOCATION AS THE EXISTING WATER MAIN AND SERVICES. THE CONTRACTOR SHALL ASSUME THERE IS AN EXISTING SERVICE AT EACH PROPERTY SHOWN TO HAVE A PROPOSED SERVICE AND AN EXISTING WATER MAIN IS PRESENT THROUGHOUT THE PROJECT AREA, WITH THE EXCEPTION OF WESTERN AVENUE WHERE THERE IS NO EXISTING WATER MAIN.
23. ALL NEW SEWERS WILL HAVE A MINIMUM 4.5 FEET OF COVER UNLESS NOTED OTHERWISE OR APPROVED BY THE ENGINEER. ALL SERVICES ARE TO HAVE A MINIMUM OF 4.5 FEET OF COVER IN ALL DIRECTIONS INCLUDING PIPES WITHIN SLOPED EMBANKMENTS.
24. LOCATION OF SEWER SERVICES ARE UNKNOWN, HOWEVER EVERY PROPERTY WITHIN THE PROJECT AREA IS ASSUMED TO HAVE A SERVICE. THE CONTRACTOR SHALL MAKE EVERY ATTEMPT TO LOCATE EACH SERVICE PRIOR TO EXCAVATION. THE COST TO REPAIR SERVICES DAMAGED AS A RESULT OF WORK SHALL BE INCIDENTAL TO THIS PROJECT.
25. CONTRACTOR SHALL COORDINATE WITH A FIRM SPECIALIZING IN SPRINKLER SYSTEMS TO CONNECT ALL BUILDINGS WITH EXISTING SPRINKLER SYSTEMS TO THE TEMPORARY WATER SYSTEM. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.
26. THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF BUY AMERICA IN ACCORDANCE WITH FEDERAL REGULATION 23 CFR 635.410 SECTION 1518. SPECIFIC REQUIREMENTS ARE PRESENTED IN MAINEDOT STANDARD SPECIFICATION SECTION 100, APPENDIX A, SECTION 3.A, BUY AMERICA.
27. PROVIDE MINIMUM 3 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAINAGE PIPES AND STRUCTURES UNLESS OTHERWISE NOTED. WHERE WATER MAINS CROSS STORM DRAINAGE PIPES OR STRUCTURES PROVIDE AT LEAST 1 FOOT SEPARATION.
28. IF A CONFLICT EXISTS BETWEEN THE PROPOSED WATER MAIN AND STORMDRAIN FEATURES, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ADJUST THE WATER MAIN TO AVOID THE CONFLICT. THE COST TO RESOLVE CONFLICTS DURING INSTALLATION BETWEEN THE PROPOSED WATER MAIN AND PROPOSED STORMDRAIN THAT COULD HAVE BEEN AVOIDED BY COORDINATING WITH THE MDOT, CITY OF ELLSWORTH, AND THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
29. INSERTION VALVES SHALL BE EZ VALVE SYSTEM AS MANUFACTURED BY ADVANCED VALVE TECHNOLOGIES INC. INSERTION VALVES SHALL BE THE FULL ENCIRCLEMENT D.I. TYPE CASTING DESIGN. NO ALTERNATIVES SHALL BE ALLOWED.

One Merchants Plaza, Suite 501
Bangor, Maine 04401
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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY: MKS
DRAWN BY: MKS
CHECKED BY: NTM

SHEET INDEX, GENERAL NOTES, LEGEND, AND ABBREIVATIONS

CITY OF ELLSWORTH, MAINE

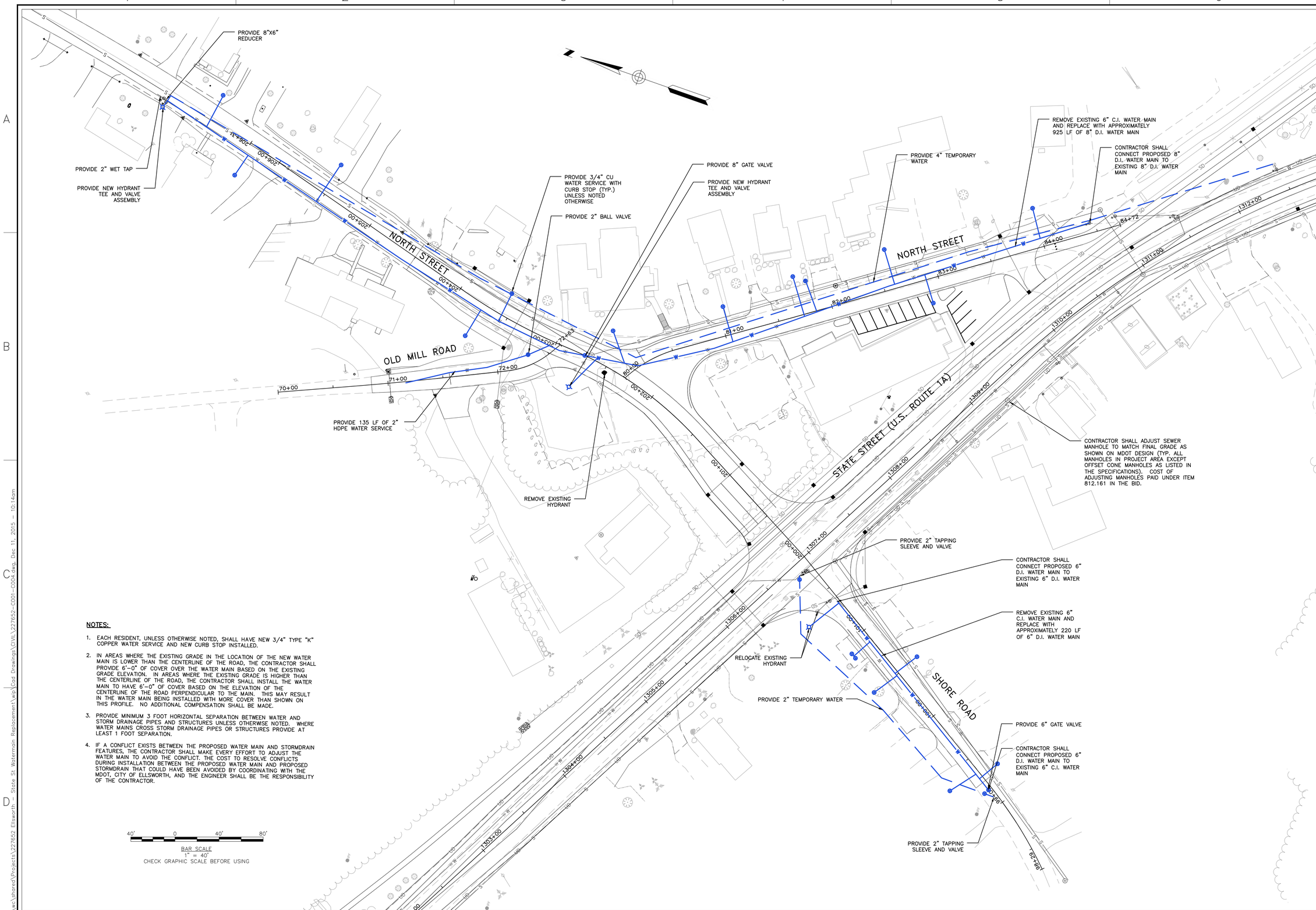
STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: AS NOTED
SHEET: 1 OF 8

G-001

\\wc\shared\Projects\227652 Ellsworth - State St Watermain Replacement\wip\Cad Drawings\GENERAL\227652-G001.dwg, Dec 11, 2015 - 10:13am

22x34 SHEET
1:1



NOTES:

1. EACH RESIDENT, UNLESS OTHERWISE NOTED, SHALL HAVE NEW 3/4" TYPE "K" COPPER WATER SERVICE AND NEW CURB STOP INSTALLED.
2. IN AREAS WHERE THE EXISTING GRADE IN THE LOCATION OF THE NEW WATER MAIN IS LOWER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL PROVIDE 6'-0" OF COVER OVER THE WATER MAIN BASED ON THE EXISTING GRADE ELEVATION. IN AREAS WHERE THE EXISTING GRADE IS HIGHER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL INSTALL THE WATER MAIN TO HAVE 6'-0" OF COVER BASED ON THE ELEVATION OF THE CENTERLINE OF THE ROAD PERPENDICULAR TO THE MAIN. THIS MAY RESULT IN THE WATER MAIN BEING INSTALLED WITH MORE COVER THAN SHOWN ON THIS PROFILE. NO ADDITIONAL COMPENSATION SHALL BE MADE.
3. PROVIDE MINIMUM 3 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAINAGE PIPES AND STRUCTURES UNLESS OTHERWISE NOTED. WHERE WATER MAINS CROSS STORM DRAINAGE PIPES OR STRUCTURES PROVIDE AT LEAST 1 FOOT SEPARATION.
4. IF A CONFLICT EXISTS BETWEEN THE PROPOSED WATER MAIN AND STORMDRAIN FEATURES, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ADJUST THE WATER MAIN TO AVOID THE CONFLICT. THE COST TO RESOLVE CONFLICTS DURING INSTALLATION BETWEEN THE PROPOSED WATER MAIN AND PROPOSED STORMDRAIN THAT COULD HAVE BEEN AVOIDED BY COORDINATING WITH THE MDOT, CITY OF ELLSWORTH, AND THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY: MKS
DRAWN BY: MKS
CHECKED BY: NTM

SHORE ROAD AND NORTH STREET PLAN

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: 1"=40'
SHEET: 2 OF 8

C-001

\\wc\shared\Projects\227652 Ellsworth - State St Watermain Replacement\wip\Cad Drawings\CIVIL\227652-C001-C004.dwg, Dec 11, 2015 - 10:14am

22x34 SHEET
1:1

NOTES:

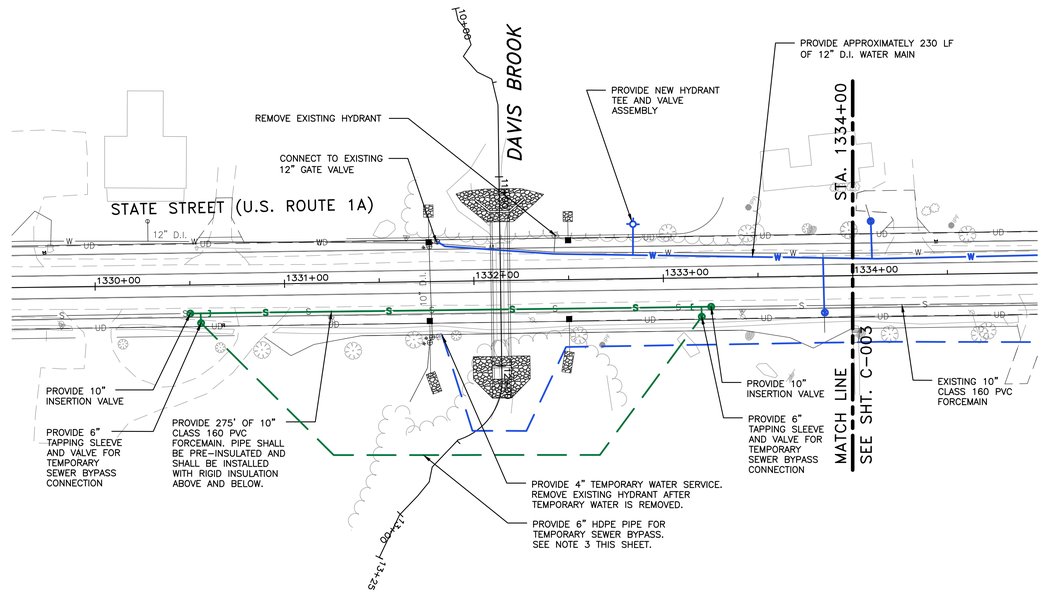
1. EACH RESIDENT, UNLESS OTHERWISE NOTED, SHALL HAVE NEW 3/4" TYPE "K" COPPER WATER SERVICE AND NEW CURB STOP INSTALLED.

2. IN AREAS WHERE THE EXISTING GRADE IN THE LOCATION OF THE NEW WATER MAIN IS LOWER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL PROVIDE 6'–0" OF COVER OVER THE WATER MAIN BASED ON THE EXISTING GRADE ELEVATION. IN AREAS WHERE THE EXISTING GRADE IS HIGHER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL INSTALL THE WATER MAIN TO HAVE 6'–0" OF COVER BASED ON THE ELEVATION OF THE CENTERLINE OF THE ROAD PERPENDICULAR TO THE MAIN. THIS MAY RESULT IN THE WATER MAIN BEING INSTALLED WITH MORE COVER THAN SHOWN ON THIS PROFILE. NO ADDITIONAL COMPENSATION SHALL BE MADE.

3. THE CONTRACTOR SHALL PROVIDE A TEMPORARY SEWER BYPASS IN ACCORDANCE WITH THE SPECIFICATIONS. THE SERVICES OF A SEPTAGE HAULER SHALL BE UTILIZED TO PUMP OUT THE CONTENTS OF THE EXISTING 10' CLASS 160 PVC FORCEMAIN PROPOSED TO BE REMOVED AFTER IT IS ISOLATED TO PREVENT ANY SEWAGE FROM BEING DISCHARGED FROM THE PIPE. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SANITARY FLOW FROM DISCHARGING INTO DAVIS BROOK. UPON COMPLETION OF THE TEMPORARY SEWER BYPASS, THE CONTRACTOR SHALL REMOVE THE 10" CAPS AND 6" TAPPING SLEEVES PRIOR TO CONNECTING THE PROPOSED 10" CLASS 160 PVC FORCEMAIN TO THE EXISTING 10" CLASS 160 PVC FORCEMAIN. ALL TEMPORARY SHUTDOWNS OF THE SEWER FORCEMAIN MUST BE COORDINATED WITH THE CITY OF ELLSWORTH WASTEWATER DEPARTMENT. COST OF PROVIDING TEMPORARY SEWER BYPASS SHALL BE PAID UNDER BID ITEM 801.07.

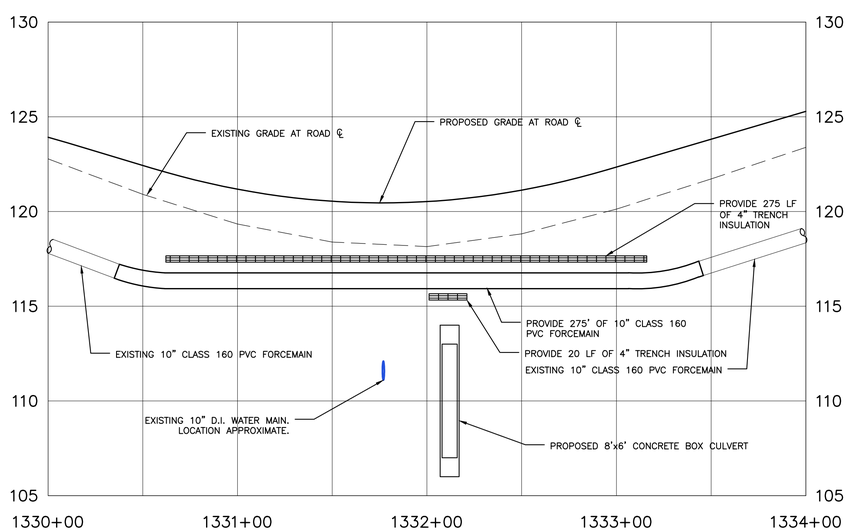
4. PROVIDE MINIMUM 3 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAINAGE PIPES AND STRUCTURES UNLESS OTHERWISE NOTED. WHERE WATER MAINS CROSS STORM DRAINAGE PIPES OR STRUCTURES PROVIDE AT LEAST 1 FOOT SEPARATION.

5. IF A CONFLICT EXISTS BETWEEN THE PROPOSED WATER MAIN AND STORMDRAIN FEATURES, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ADJUST THE WATER MAIN TO AVOID THE CONFLICT. THE COST TO RESOLVE CONFLICTS DURING INSTALLATION BETWEEN THE PROPOSED WATER MAIN AND PROPOSED STORMDRAIN THAT COULD HAVE BEEN AVOIDED BY COORDINATING WITH THE MDOT, CITY OF ELLSWORTH, AND THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



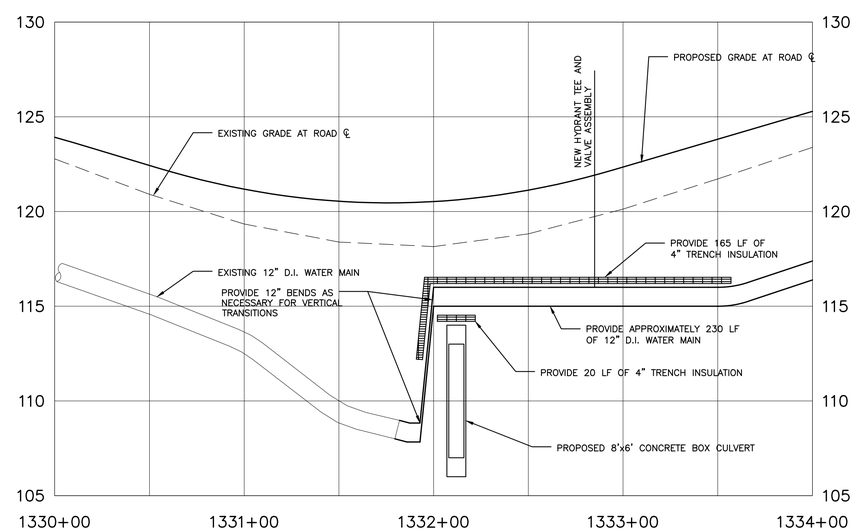
DAVIS BROOK CROSSING PLAN

SCALE: 1"=40'



DAVIS BROOK FORCEMAIN CROSSING PROFILE

SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



DAVIS BROOK WATER MAIN CROSSING PROFILE

1"=40' HORIZONTAL
1"=4' VERTICAL

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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY:MKS
DRAWN BY: MKS
CHECKED BY:NTM
227652-C001-C004.DWG

STATE STREET DAVIS BROOK CROSSING PLAN AND PROFILE

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: AS NOTED
SHEET: 3 OF 8

C-002

\\wc\shared\Projects\227652 Ellsworth - State St Watermain Replacement\wsp\Cad Drawings\CIVIL\227652-C001-C004.dwg, Dec 11, 2015 - 10:14am

22x34 SHEET
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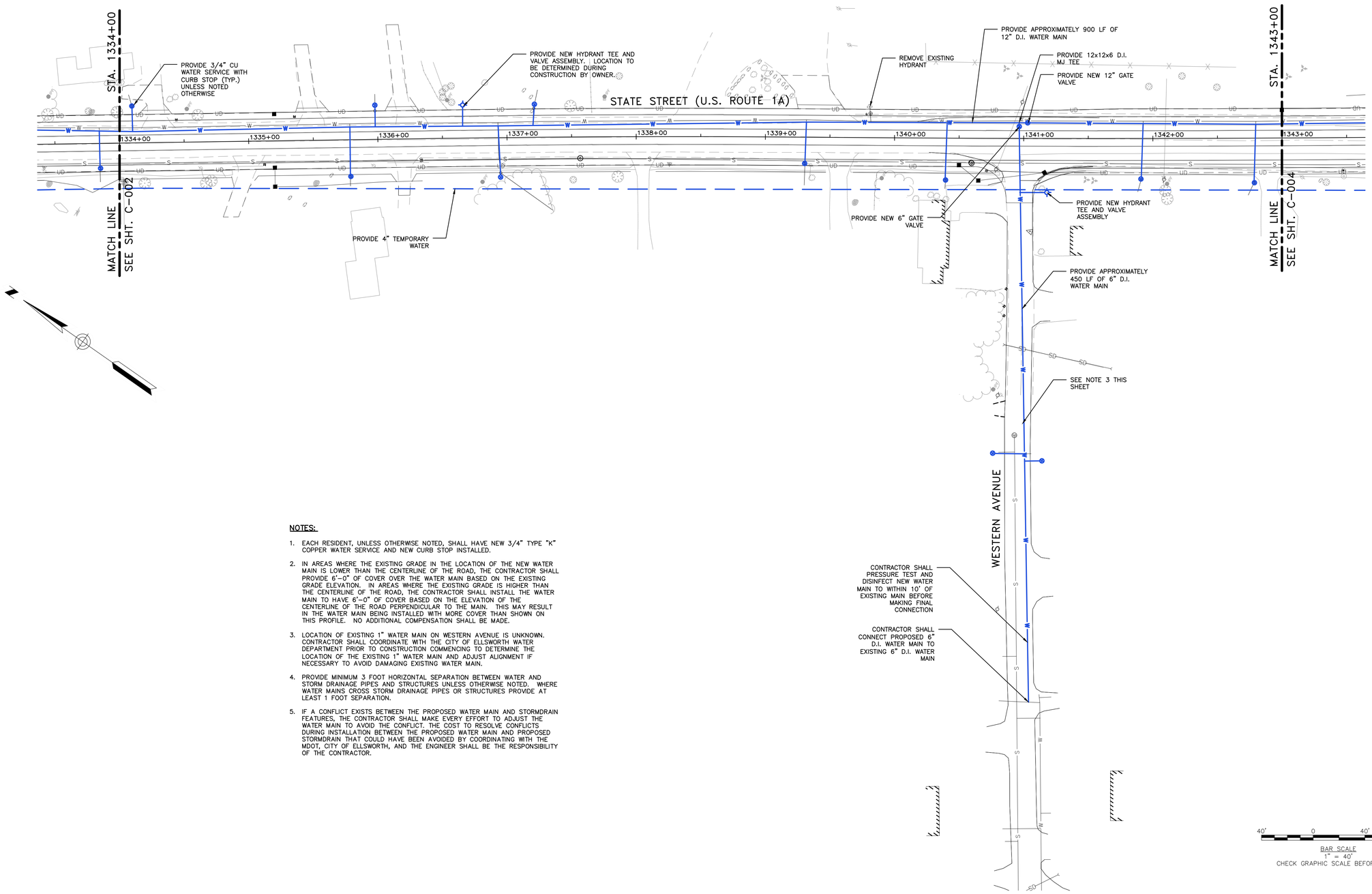

NOTES:

1. EACH RESIDENT, UNLESS OTHERWISE NOTED, SHALL HAVE NEW 3/4" TYPE "K" COPPER WATER SERVICE AND NEW CURB STOP INSTALLED.
2. IN AREAS WHERE THE EXISTING GRADE IN THE LOCATION OF THE NEW WATER MAIN IS LOWER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL PROVIDE 6'-0" OF COVER OVER THE WATER MAIN BASED ON THE EXISTING GRADE ELEVATION. IN AREAS WHERE THE EXISTING GRADE IS HIGHER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL INSTALL THE WATER MAIN TO HAVE 6'-0" OF COVER BASED ON THE ELEVATION OF THE CENTERLINE OF THE ROAD PERPENDICULAR TO THE MAIN. THIS MAY RESULT IN THE WATER MAIN BEING INSTALLED WITH MORE COVER THAN SHOWN ON THIS PROFILE. NO ADDITIONAL COMPENSATION SHALL BE MADE.
3. LOCATION OF EXISTING 1" WATER MAIN ON WESTERN AVENUE IS UNKNOWN. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ELLSWORTH WATER DEPARTMENT PRIOR TO CONSTRUCTION COMMENCING TO DETERMINE THE LOCATION OF THE EXISTING 1" WATER MAIN AND ADJUST ALIGNMENT IF NECESSARY TO AVOID DAMAGING EXISTING WATER MAIN.
4. PROVIDE MINIMUM 3 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAINAGE PIPES AND STRUCTURES UNLESS OTHERWISE NOTED. WHERE WATER MAINS CROSS STORM DRAINAGE PIPES OR STRUCTURES PROVIDE AT LEAST 1 FOOT SEPARATION.
5. IF A CONFLICT EXISTS BETWEEN THE PROPOSED WATER MAIN AND STORMDRAIN FEATURES, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ADJUST THE WATER MAIN TO AVOID THE CONFLICT. THE COST TO RESOLVE CONFLICTS DURING INSTALLATION BETWEEN THE PROPOSED WATER MAIN AND PROPOSED STORMDRAIN THAT COULD HAVE BEEN AVOIDED BY COORDINATING WITH THE MDOT, CITY OF ELLSWORTH, AND THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY: MKS
DRAWN BY: MKS
CHECKED BY: NTM

STATE STREET PLAN
STA. 1334+00 TO STA. 1343+00 AND WESTERN AVENUE PLAN

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: 1"=40'
SHEET: 4 OF 8

C-003

\\wc\shared\Projects\227652 Ellsworth - State St Watermain Replacement\wip\Cad Drawings\CIVIL\227652-C001-C004.dwg, Dec 11, 2015 - 10:15am

22x34 SHEET
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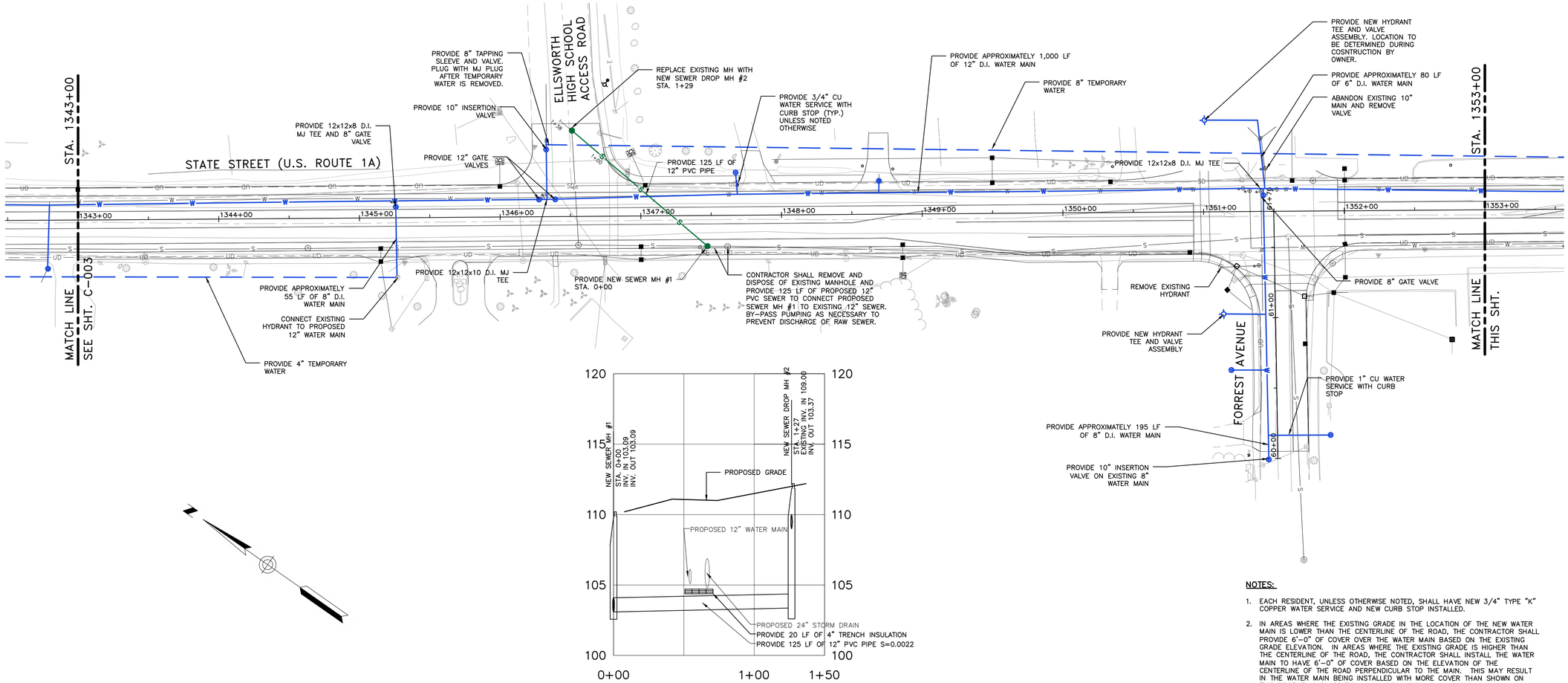
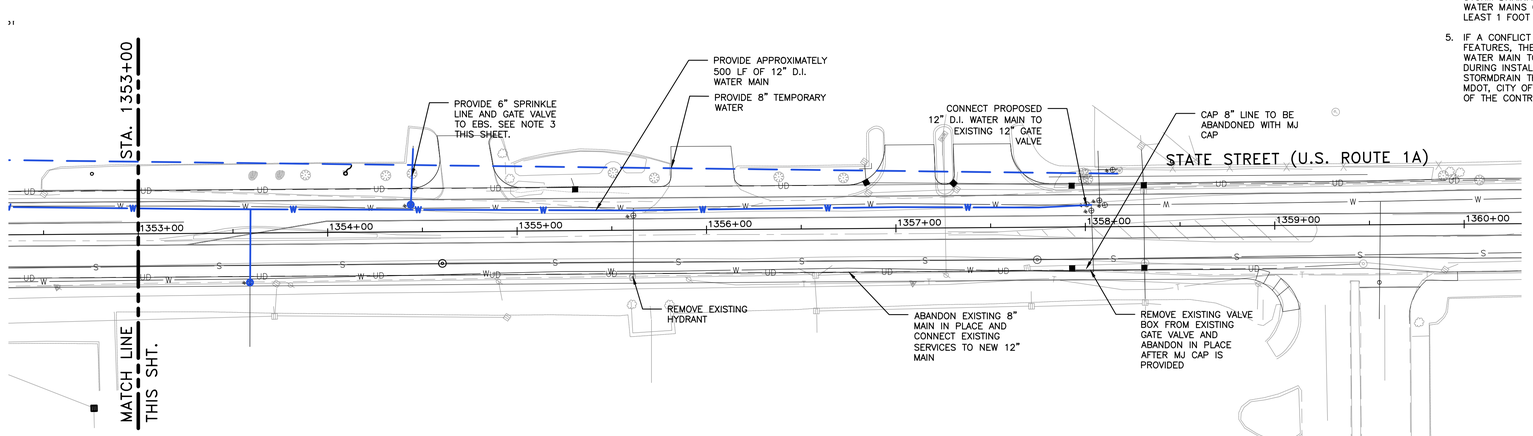


SEWER RELOCATION PROFILE

SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



NOTES:

1. EACH RESIDENT, UNLESS OTHERWISE NOTED, SHALL HAVE NEW 3/4" TYPE "K" COPPER WATER SERVICE AND NEW CURB STOP INSTALLED.
2. IN AREAS WHERE THE EXISTING GRADE IN THE LOCATION OF THE NEW WATER MAIN IS LOWER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL PROVIDE 6'-0" OF COVER OVER THE WATER MAIN BASED ON THE EXISTING GRADE ELEVATION. IN AREAS WHERE THE EXISTING GRADE IS HIGHER THAN THE CENTERLINE OF THE ROAD, THE CONTRACTOR SHALL INSTALL THE WATER MAIN TO HAVE 6'-0" OF COVER BASED ON THE ELEVATION OF THE CENTERLINE OF THE ROAD PERPENDICULAR TO THE MAIN. THIS MAY RESULT IN THE WATER MAIN BEING INSTALLED WITH MORE COVER THAN SHOWN ON THIS PROFILE. NO ADDITIONAL COMPENSATION SHALL BE MADE.
3. CONTRACTOR SHALL CONNECT EXISTING SPRINKLER LINE TO PROPOSED WATER MAIN BY PROVIDING A 8X8X6 D.I. TEE WITH 6" VALVE TO REPLACE THE EXISTING 6" VALVE. CONTRACTOR SHALL PROVIDE 6" D.I. PIPE WITH MJ FITTINGS AS NECESSARY TO CONNECT TO THE EXISTING 6" SPRINKLER LINE (TYP. AT EACH SPRINKLER LINE).
4. PROVIDE MINIMUM 3 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAINAGE PIPES AND STRUCTURES UNLESS OTHERWISE NOTED. WHERE WATER MAINS CROSS STORM DRAINAGE PIPES OR STRUCTURES PROVIDE AT LEAST 1 FOOT SEPARATION.
5. IF A CONFLICT EXISTS BETWEEN THE PROPOSED WATER MAIN AND STORMDRAIN FEATURES, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ADJUST THE WATER MAIN TO AVOID THE CONFLICT. THE COST TO RESOLVE CONFLICTS DURING INSTALLATION BETWEEN THE PROPOSED WATER MAIN AND PROPOSED STORMDRAIN THAT COULD HAVE BEEN AVOIDED BY COORDINATING WITH THE MDOT, CITY OF ELLSWORTH, AND THE ENGINEER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

40' 0 40' 80'
BAR SCALE
1" = 40'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
NATHAN T. MCLAUGHLIN
No. 10667
PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY: MKS
DRAWN BY: MKS
CHECKED BY: NTM

STATE STREET PLAN
STA. 1343+00 TO STA. 1360+00 AND SEWER PROFILE

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: 1"=40'
SHEET: 5 OF 8

C-004

\\wc\shared\Projects\227652 Ellsworth - State St Watermain Replacement\wip\Cad Drawings\CIVIL\227652-C001-C004.dwg, Dec 11, 2015 - 10:16am

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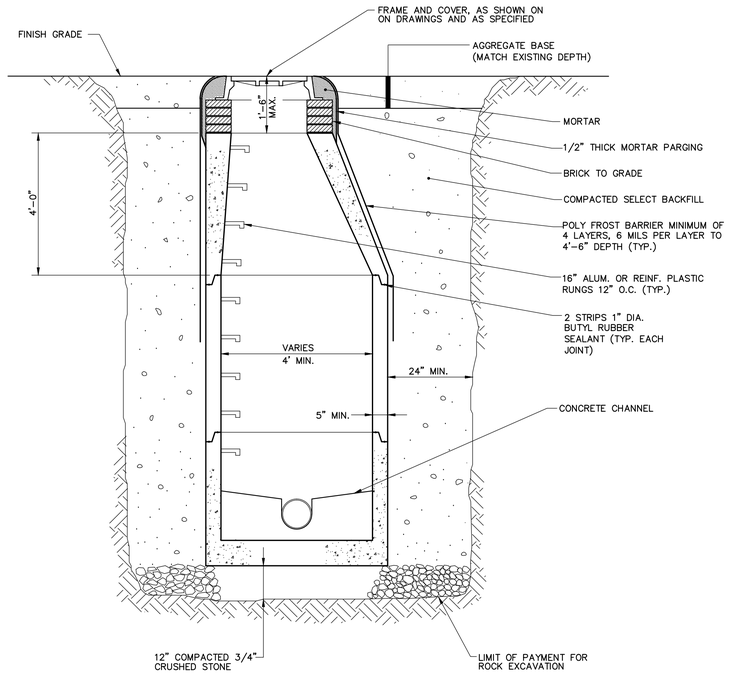
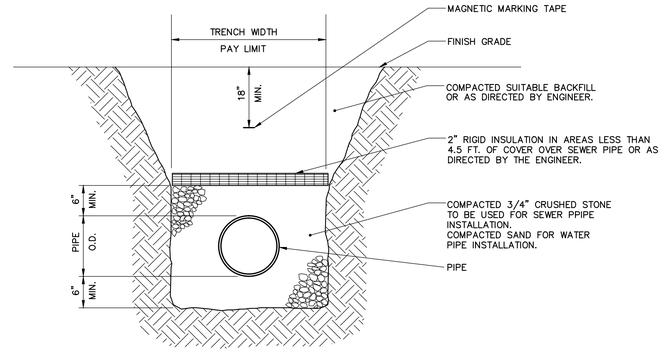


NOTE:

- PRECAST MANHOLE GRADE RINGS MAY BE USED FOR ADJUSTMENT OF MANHOLE FRAME AND COVER TO GRADE AT CONTRACTOR'S EXPENSE.

PRECAST MANHOLE SECTION

N.T.S.



NOTES:

- MAINTAIN UNIFORM TRENCH WIDTH TO 6" OVER PIPE.
- SEE TRENCH WIDTH PAY LIMITS TABLE
- SEE PAVEMENT REPAIR DETAILS FOR ROAD WORK AREAS.

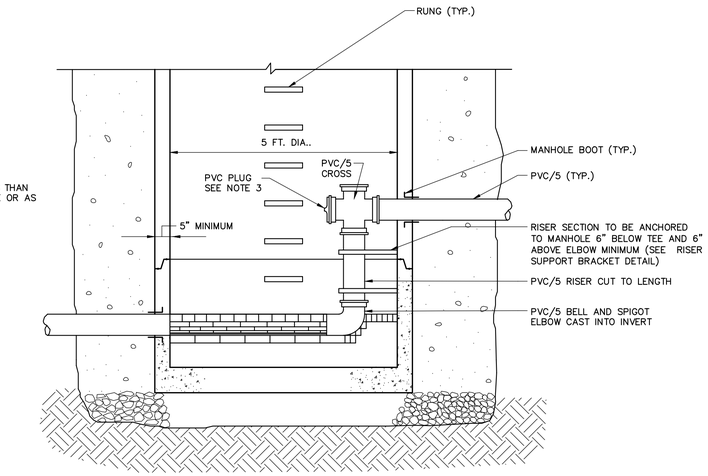
TRENCH WIDTHS [a]	
PIPE SIZE	MAX (ONE PIPE) [b]
15" OR LESS	8'-0"
MANHOLES	O.D. + 4'-0"

a. REPRESENTS PAYMENT WIDTH

b. FOR ROCK EXCAVATION SUBTRACT 1'-0"

TYPICAL PIPE TRENCH DETAIL

N.T.S.

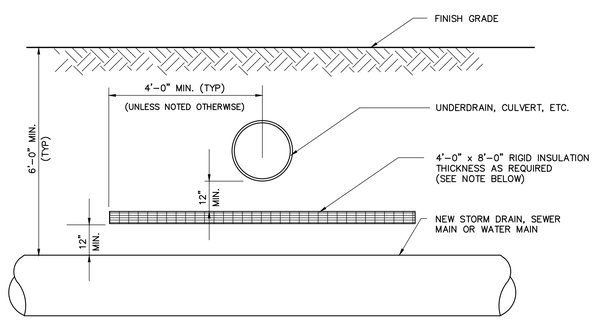


NOTES:

1. SEE PRECAST MANHOLE SECTION FOR TYPICAL MANHOLE INFORMATION, INCLUDING NOTES.
2. PROVIDE DROP PIPE FOR ALL INVERT DIFFERENTIALS OF 2' OR GREATER OR AS APPROVED BY THE ENGINEER.
3. CUT OFF TOP 1/3 OF PIPE PLUG.

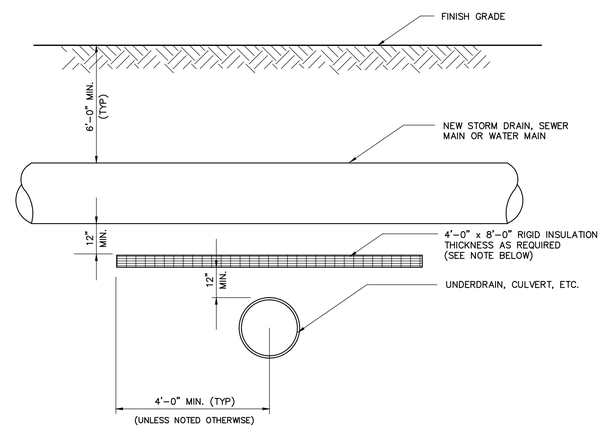
TYPICAL PRECAST MANHOLE WITH INSIDE DROP DETAIL

SCALE: N.T.S.



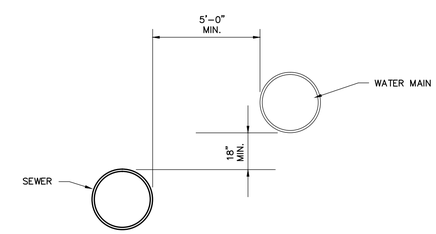
NOTE:

THE THICKNESS OF THE RIGID INSULATION SHALL BE SUFFICIENT TO PROVIDE AN EQUIVALENT OF 5 FEET OF SOIL BETWEEN ANY WATER MAIN AND THE UNDERDRAIN, CULVERT, ETC. ONE INCH OF RIGID INSULATION SHALL BE EQUIVALENT TO ONE FOOT OF SOIL. THE USE OF INSULATION SHALL BE INCIDENTAL TO PIPE INSTALLATION ITEMS.



TYPICAL PIPE INSULATION DETAILS

N.T.S.



UNUSUAL CONDITION PARALLEL INSTALLATION

NOTES:

THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE MAINE DEPARTMENT OF HUMAN SERVICES DIVISION OF HEALTH ENGINEERING REQUIREMENTS WHICH ARE GENERALLY AS FOLLOWS:

A. PARALLEL INSTALLATION:

1. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER MAIN SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.
2. UNUSUAL CONDITIONS: WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, THE INSIDE EDGE OF A WATER MAIN MAY BE LAID A MINIMUM OF 5 FEET FROM THE INSIDE EDGE OF A SEWER PROVIDED THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER (SEE DETAIL).

B. CROSSINGS:

1. NORMAL CONDITIONS: WHENEVER POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER.
2. UNUSUAL CONDITIONS: IF A WATER MAIN MUST CROSS UNDER A SEWER, THE TOP OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES LOWER THAN THE BOTTOM OF THE SEWER, THE WATER MAIN PIPE SHALL BE CENTERED AT THE CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, AND CONCRETE ENCASEMENT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE SEWER AT THE CROSSING.

MINIMUM WATER AND SEWER PIPE SEPARATION DETAIL

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STATE OF MAINE NATHAN T. MCLAUGHIN No. 10667 LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY:MKS
DRAWN BY: MKS
CHECKED BY:NTM
227652 -C005-C007.DWG

CIVIL DETAILS 1

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: AS NOTED
SHEET: 6 OF 8

C-005

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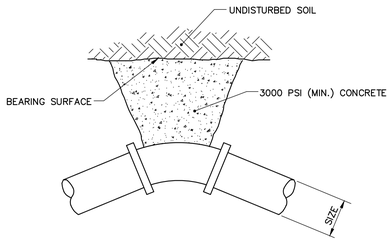
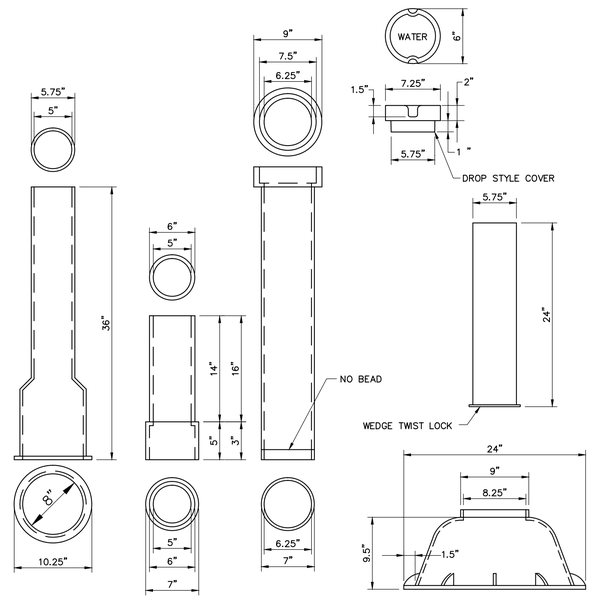


SIZE, IN	BEARING SURFACE, FT^2			
	TEE, 90°	45°	22 1/2°	11 1/4°
2	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0
4	1.2	1.0	1.0	1.0
6	2.6	1.4	1.0	1.0
8	4.6	2.5	1.4	1.0
10	7.2	3.9	2.0	1.0
12	10.8	5.9	3.0	1.5

TYPICAL FORCE MAIN THRUST BLOCK INSTALLATIONS

N.T.S.



BASE SECTION No. 645 | INTERMEDIATE SECTION No. 58 | TOP SECTION No. 56

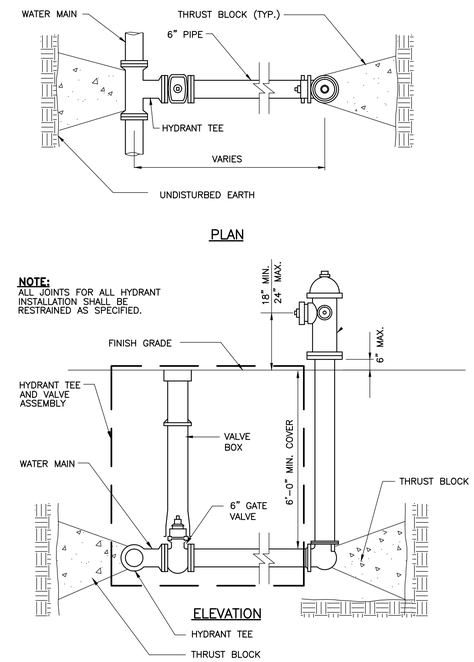
VALVE BOX BASE FOR USE WITH No. 160 AIR VALVES

NOTES:

- NUMBERS ARE FOR 5–1/4" BUFFALO VALVE BOXES
- BASE SECTION MAY BE USED AS INTERMEDIATE SECTION SECTION

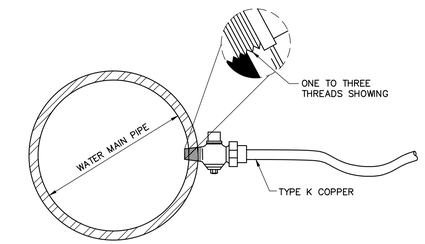
TYPICAL VALVE BOXES

N.T.S.



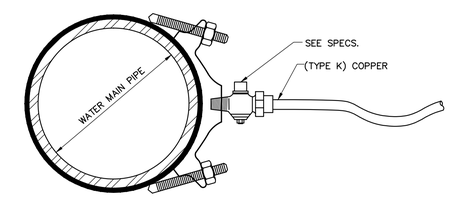
TYPICAL HYDRANT ASSEMBLY DETAIL

N.T.S.



SERVICE TAP

(3/4" AND 1" C.C. THREAD)
N.T.S.

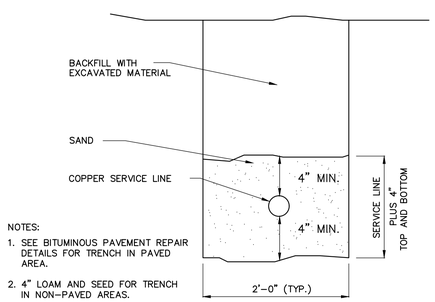


NOTE:

- SERVICE CONNECTIONS (DIRECT TAPS AND SERVICE CLAMPS) WILL BE INSTALLED SO THAT THE OUTLET IS AT AN ANGLE OF NOT MORE THAN 45° ABOVE THE HORIZONTAL. ALWAYS PUT A BEND OR "GOOSENECK" IN THE SERVICE LINE PRIOR TO CONNECTING TO PROVIDE FLEXIBILITY AND "GIVE" TO COUNTER THE EFFECTS OF A LOAD DUE TO SETTLEMENT OR EXPANSION AND/OR CONTRACTION (SEE DETAILS)

SERVICE SADDLE

(1–1/2" AND 2" C.C. OR IRON PIPE THREAD)
N.T.S.

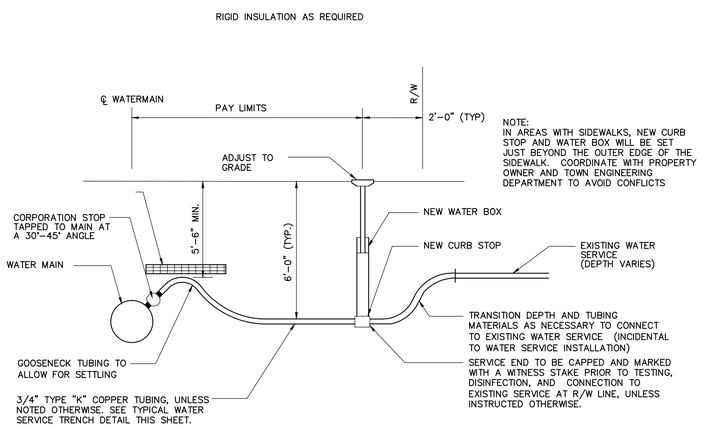


NOTES:

1. SEE BITUMINOUS PAVEMENT REPAIR DETAILS FOR TRENCH IN PAVED AREA.
2. 4" LOAM AND SEED FOR TRENCH IN NON-PAVED AREAS.

TYPICAL WATER SERVICE TRENCH DETAIL

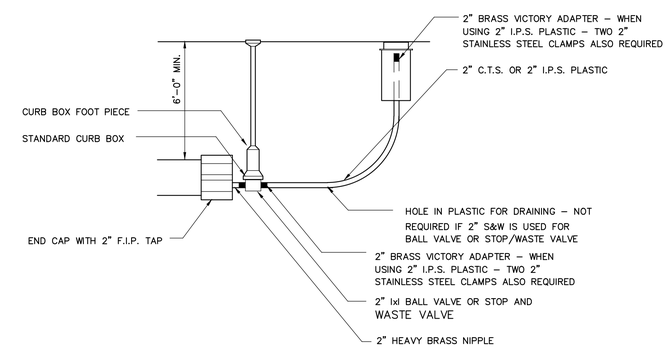
N.T.S.



NOTE:
IN AREAS WITH SIDEWALKS, NEW CURB STOP AND WATER BOX WILL BE SET JUST BEYOND THE OUTER EDGE OF THE SIDEWALK. COORDINATE WITH PROPERTY OWNER AND TOWN ENGINEERING DEPARTMENT TO AVOID CONFLICTS

TYPICAL WATER SERVICE DETAIL

N.T.S.



BLOW-OFF DETAIL

NTS

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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY:MKS
DRAWN BY: MKS
CHECKED BY:NTM
227652 -C005-C007.DWG

CIVIL DETAILS 2

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: AS NOTED
SHEET: 7 OF 8

C-006

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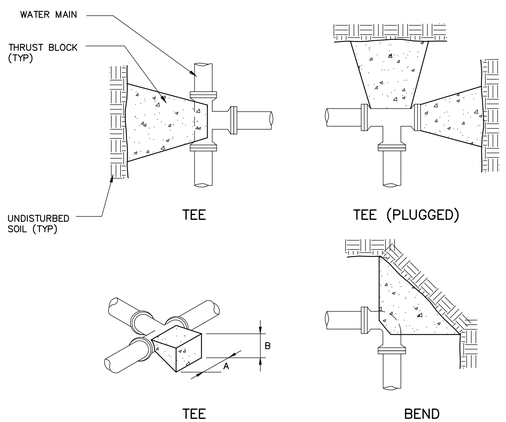


TABLE 1: 4" THRU 10" FITTINGS				
SOIL TYPE	TEES		BENDS	
	A	B	A	B
SOFT CLAY	48"	24"	48"	24"
SAND	24"	24"	24"	24"
GRAVEL	24"	18"	24"	18"

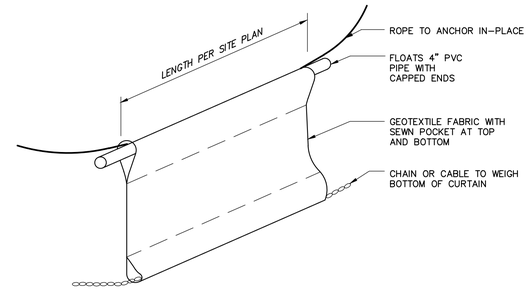
TABLE 2: 12" THRU 16" FITTINGS				
SOIL TYPE	TEES		BENDS	
	A	B	A	B
SOFT CLAY	60"	36"	72"	36"
SAND	36"	30"	48"	30"
GRAVEL	30"	24"	40"	24"

NOTES:

1. CONCRETE FOR ALL THRUST BLOCKS TO BE MINIMUM 3,000 PSI., 28 DAY STRENGTH, TYPE I CEMENT, 3/4" STONE.
2. WHERE POSSIBLE, CONSTRUCT THRUST BLOCKS AGAINST UNDISTURBED SOIL. WHERE NOT POSSIBLE, PLACE FILL BETWEEN THE THRUST BLOCK AND THE UNDISTURBED SOIL COMPACTED TO 90% STANDARD PROCTOR DENSITY.
3. WRAP FITTINGS WITH POLYETHYLENE PRIOR TO CONSTRUCTING THRUST BLOCKS. NO JOINTS SHALL BE COVERED WITH CONCRETE.
4. THRUST BLOCK DIMENSIONS ARE BASED ON A MAXIMUM WATER MAIN PRESSURE OF 150 PSI.

TYPICAL THRUST BLOCK DETAIL

N.T.S.



FABRIC CURTAIN

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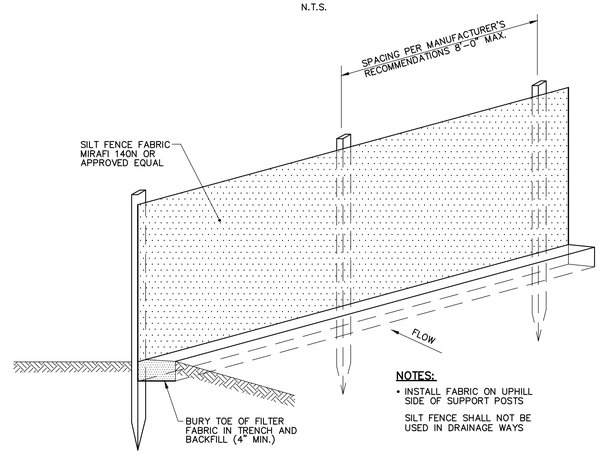


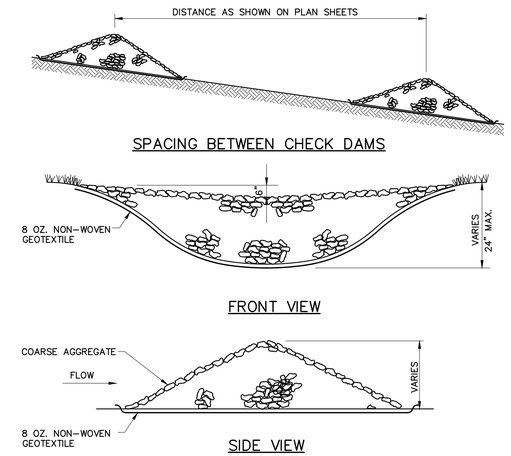
NOTES:

- INSTALL FABRIC ON UPHILL SIDE OF SUPPORT POSTS

SILT FENCE SHALL NOT BE USED IN DRAINAGE WAYS

SILTATION FENCE

N.T.S.



STONE CHECK DAM DETAIL

N.T.S.

NOTE: USE STONE CHECK DAMS IF EROSION CONTROL MAT DOES NOT CONTROL EROSION IN DITCHES.

MAINTENANCE: INSPECT FOR BREAKS IN THE STONE. REGULARLY REMOVE AND PROPERLY DISPOSE ACCUMULATED SEDIMENT.

REMOVAL: AFTER VEGETATION IS ESTABLISHED, CAREFULLY REMOVE STONE AND FINISH SEEDING IN DITCH.

Temporary Erosion Control:

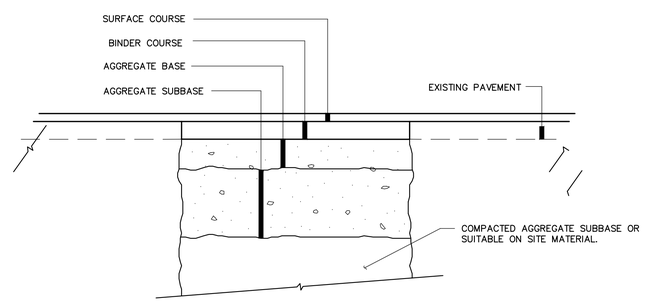
Measure	Dates for use	Timing, Activity, and Location
Silt Fence or Erosion Control Mix Berm	All	Before site clearing and soil disturbance, install downhill of disturbed areas.
Inlet Protection	All	Install as soon as drainage structures are functioning. Remove when up hill areas are stabilized.
Dust Control	All	During dry weather, apply water and calcium chloride to control dust.
Temporary Seeding	April 15 to Oct. 1	Soil stockpiles and disturbed land soils which will not be disturbed again within 21 days. If grass growth provides less than 95% soil coverage by Nov. 1, apply mulch and anchor with netting.
Mulch	April 15 to Sept. 15	On all areas of exposed soil which will not be disturbed again within 21 days, apply 32 Kg to 41 Kg (70 to 90 lbs). mulch (2 bales) per 93 sq. m. (1,000 sq. ft.) within the 21 day period.
Winter Mulch	Sept. 16 to Oct. 31	On all areas of exposed soil which will not be disturbed again within 7 days, apply 68 Kg to 77 Kg (150 to 170 lbs). mulch (4 bales) per 93 sq. m. (1,000 sq. ft.) within the 7 day period. Erosion control blanket may be used as a substitute for winter mulch.
	Nov. 1 to April 14	On all areas of exposed soil, apply 68 Kg to 77 Kg (150 to 170 lbs). mulch (4 bales) per 93 sq. m. (1,000 sq. ft.) and anchor with netting, at the end of each working day. Erosion control blanket may be used as a substitute for winter mulch.
Erosion Control Blanket	All	Install immediately following seeding, within drainage channels and on all exposed soil slopes which are 25% or steeper grade, and locations shown on plan. ECB may also be substituted for winter mulch.
Inspections	Until site is permanently stabilized	Inspect the erosion and sedimentation control measures at least once a week and prior to and after significant storm events.

Permanent Seed Mix:

Seed Variety	Application Rate
Creeping Red Fescue	23 kg/ha
Redtop	2 kg/ha
Tall Fescue	23 kg/ha
Total	48 kg/ha

Permanent Erosion Control:

Measure	Dates for use	Timing, Activity, and Location
Outlet Protection	All	Install erosion control mat or riprap immediately following culvert installation or final channel grading at locations shown on plans.
Permanent Seeding	April 15 to Aug. 15	On final grade areas, within 7 days of grade preparation, prepare topsoil, followed with seeding and mulch application.
Dormant Seeding	Aug. 16 to April 15	On final grade areas, with prepared topsoil. Apply seed at double the specified rate, on bare soil, and follow with an application of winter mulch.
Permanent Mulch	All	Install with final landscaping.

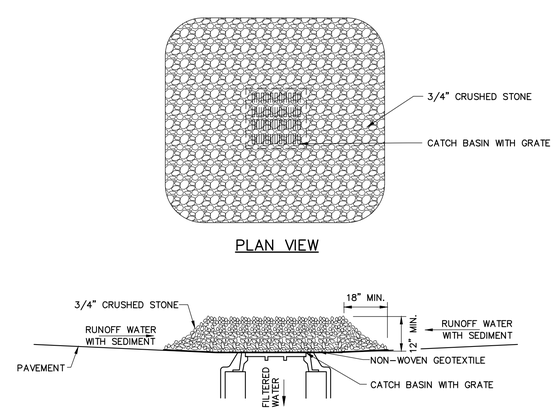


NOTES:

1. CUT EXISTING PAVEMENT TO STRAIGHT EVEN EDGE.
2. FOR TOWN ROADS AND DRIVEWAYS, PAVEMENT THICKNESS SHALL BE 1" SURFACE, 2 1/2" BINDER, 6" AGGREGATE BASE, AND 12" AGGREGATE SUBBASE.
3. FOR STATE ROADS, PAVEMENT THICKNESS SHALL BE 1 1/2" SURFACE, 4 1/2" BINDER, 6" AGGREGATE BASE, AND 18" AGGREGATE SUBBASE.
4. RESTORE ALL EXISTING PAVEMENT MARKINGS.
5. IN INSTANCES WHERE LESS THAN 2 FT. OF PAVEMENT WIDTH REMAINS TO SHOULDER, REMOVE AND REPLACE.
6. MATCH EXISTING PAVEMENT DEPTH ON ROUTE 179.

TYPICAL BITUMINOUS PAVEMENT REPAIR ALL ROADS AND DRIVEWAYS

N.T.S.



CATCH BASIN PROTECTION DETAIL

N.T.S.

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STATE OF MAINE
NATHAN T. MCLAUGHIN
No. 10667
LICENSED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGNED BY:MKS
DRAWN BY: MKS
CHECKED BY:NTM
227652 -C005-C007.DWG

CIVIL DETAILS 3

CITY OF ELLSWORTH, MAINE

STATE STREET UTILITY REPLACEMENT

JOB NO.: 227652.00
DATE: DECEMBER 2015
SCALE: AS NOTED
SHEET: 8 OF 8

C-007

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