STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

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

CARIBOU
AROOSTOOK COUNTY
STATE ROUTE 161

FEDERAL AID PROJECT NO. STP-1278(000)X
PROJECT LENGTH : 4.01 MILES

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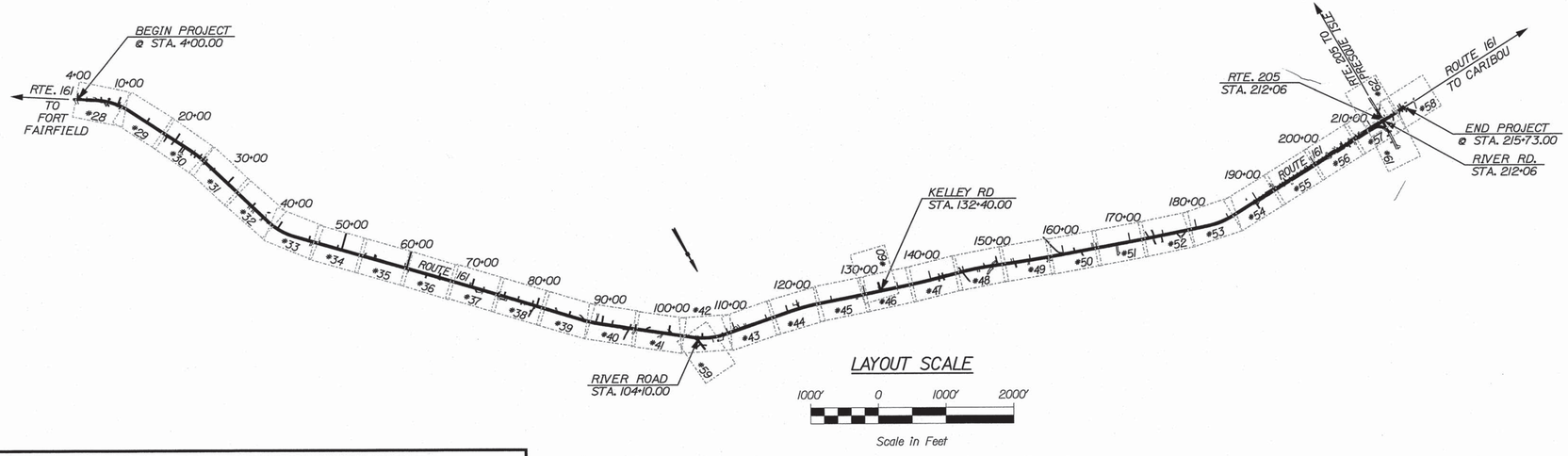


LAYOUT SCALE

1000' 0 1000' 2000'

Scale in Feet

TRAFFIC DATA

SECTION 1 SR 161 (FT. FAIRFIELD RD) E/O RIVER ROAD CARIBOU		SECTION 2 SR 161 (FT. FAIRFIELD RD) E/O US RTE. 1 @ BR #5572 CARIBOU	
Current (2014) AADT	1530	Current (2014) AADT	3200
Future (2034) AADT	1840	Future (2034) AADT	3840
DHV - % of AADT	10%	DHV - % of AADT	10%
Design Hour Volume	184	Design Hour Volume	384
% Heavy Trucks (AADT)	6%	% Heavy Trucks (AADT)	5%
% Heavy Trucks (DHV)	2%	% Heavy Trucks (DHV)	2%
Directional Distribution (DHV)	52%	Directional Distribution (DHV)	52%
18 kip Equivalent P 2.0	48	18 kip Equivalent P 2.0	88
18 kip Equivalent P 2.5	46	18 kip Equivalent P 2.5	84
Design Speed (mph)	50	Design Speed (mph)	35
Functional Class:	MAJOR COLLECTOR	Functional Class:	MAJOR COLLECTOR

PROJECT LOCATION:	ROUTE 161 - BEGINNING 0.81 MILES NORTHERLY OF THE CARIBOU/ FORT FAIRFIELD TOWN LINE AND EXTENDING NORTH WESTERLY 4.01 MILES TO THE EASTERLY ABUTMENT OF THE AROOSTOOK RIVER BRIDGE.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	HIGHWAY RECONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
APPROVED	
COMMISSIONER:	3/20/15
CHIEF ENGINEER:	3-19-15

STATE OF MAINE · ALEE MOULTON · No. 10415 · REGISTERED PROFESSIONAL ENGINEER

Alee Moulton
SIGNATURE
10415
P.E. NUMBER
2-24-15
DATE

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	J.Bither \ E.Martin
DESIGNER	N.COLLINS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 012780.00 STP-1278(000)X

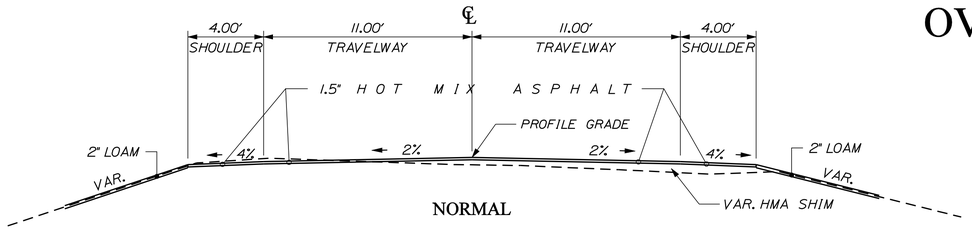
CARIBOU
STATE ROUTE 161

TITLE SHEET

SHEET NUMBER
1
OF 329

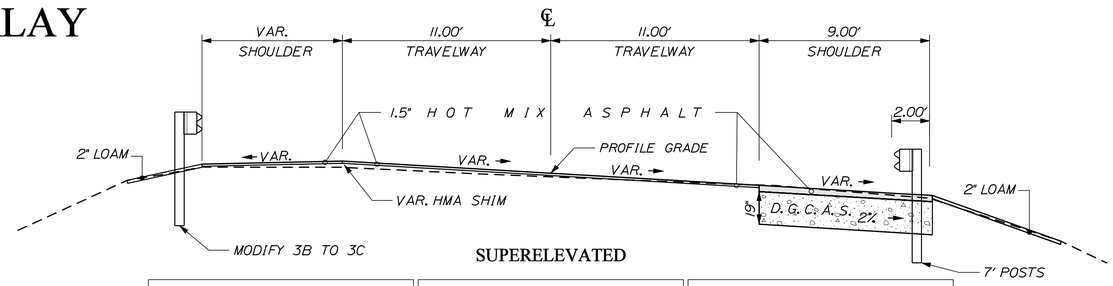
Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: natasha.m.collins Date:12/19/2014

OVERLAY



NORMAL

SHOULDER LT.	11' - 11' TRAVEL LANES	SHOULDER RT.
STATION TO STATION	STATION TO STATION	STATION TO STATION
4+00.00 TO 8+28.00	4+00.00 TO 5+04.00	4+00.00 TO 7+35.80



SUPERELEVATED

MODIFY GAURDRAIL SHOULDER	11' - 11' TRAVEL LANES	GUARDRAIL SHOULDER 19" D.G.C.A. = 52.55 CY/100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
8+28.00 TO 10+00.00 LT.	5+04.00 TO 10+00.00	7+35.80 TO 9+77.42 RT.

NOTE:

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

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

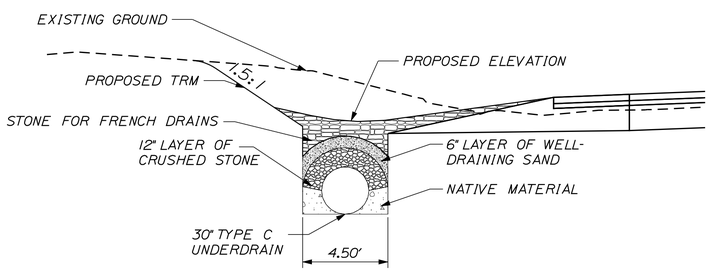
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 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.

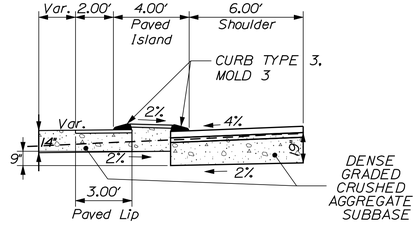
FRENCH DRAIN



STATION TO STATION
84+85.00 TO 87+00.00 LT.

LEGEND	
EXISTING GROUND	GUARDRAIL TYPE 3C SINGLE RAIL
: CURB TYPE 3, MOLD 3	

BITUMINOUS CURB ISLAND



4' PAVED ISLAND
STATION TO STATION
21+18.92 TO 21+58.21 LT.
22+00.21 TO 22+30.67 LT.
22+72.67 TO 23+00.00 LT.
106+94.92 TO 107+20.65 RT.
212+98.36 TO 213+50.28 LT.*

* USE CURB TYPE 3, MOLD 2

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		DATE
PROJ. MANAGER	J.Bither/E.Merlon	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

TYPICAL SECTIONS

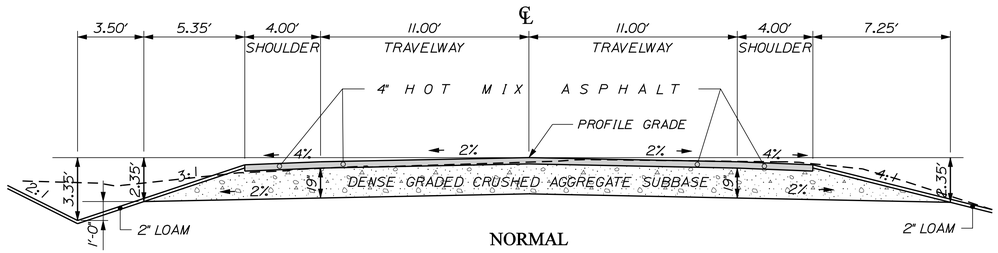
SHEET NUMBER

2

OF 329

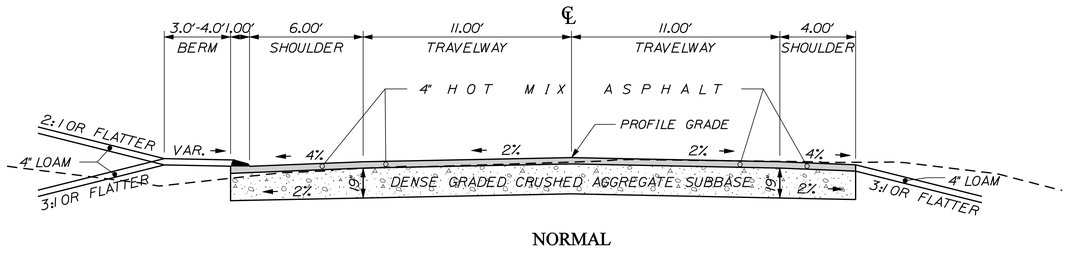
Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\msta\002_Typical01.dgn

FULL CONSTRUCTION



NORMAL

DITCH SHOULDER 19" D. G. C. A. S. = 39.4 CY/100LF	11'- 11' TRAVEL LANES 19" D. G. C. A. S. = 129.0 CY/100LF	SHOULDER 19" D. G. C. A. S. = 45.3 CY/100LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
13+00.00 TO 18+50.83 RT.	13+46.00 TO 21+23.00	48+60.00 TO 54+75.00 RT.
13+00.00 TO 20+47.86 LT.	26+77.00 TO 36+53.00	47+50.00 TO 53+29.69 LT.
26+50.00 TO 33+00.77 RT.	44+48.00 TO 85+55.00	54+10.00 TO 55+01.08 RT.
26+50.00 TO 37+00.00 LT.	91+46.00 TO 102+06.00	57+04.03 TO 59+00.00 RT.
44+00.00 TO 48+60.00 RT.	109+94.00 TO 117+75.00	57+12.33 TO 58+46.53 LT.
44+00.00 TO 47+50.00 LT.	124+25.00 TO 143+39.00	65+50.00 TO 67+75.00 LT.
54+75.00 TO 57+04.03 RT.	150+11.00 TO 180+12.00	65+74.92 TO 69+25.00 RT.
56+65.52 TO 57+12.33 LT.	187+38.00 TO 215+70.60	79+60.00 TO 86+00.00 RT.
58+46.53 TO 65+50.00 LT.		91+90.00 TO 94+50.00 RT.
59+00.00 TO 61+00.00 RT.		97+67.88 TO 102+50.00 RT.
65+21.05 TO 65+74.92 RT		100+60.00 TO 102+50.00 LT.
67+75.00 TO 84+75.00 LT.		114+49.70 TO 118+00.00 RT.
69+25.00 TO 70+42.53 RT.		124+00.00 TO 129+10.22 RT.
91+00.00 TO 91+90.00 RT.		132+95.17 TO 142+10.00 RT.
94+33.88 TO 94+73.87 LT.		133+50.00 TO 140+50.00 LT.
94+50.00 TO 97+67.88 RT.		179+25.00 TO 180+00.00 RT.
109+50.00 TO 114+49.70 RT.		
112+98.93 TO 118+00.00 LT.		NOTE- INSLOPES RANGE FROM 3:1 TO 4:1
124+00.00 TO 133+50.00 LT.		
129+10.22 TO 132+95.17 RT.		
142+10.00 TO 143+50.00 RT.		
142+62.93 TO 143+50.00 LT.		
150+00.00 TO 180+00.00 LT.		
150+00.00 TO 179+25.00 RT.		
187+00.00 TO 211+30.55 LT.		
187+00.00 TO 210+37.87 RT.		



NORMAL

CURB SHOULDER 19" D. G. C. A. S. = 39.2 CY/100LF	11'- 11' TRAVEL LANES 19" D. G. C. A. S. = 129.0 CY/100LF	BOX SHOULDER 19" D. G. C. A. S. = 22.9 CY/100LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
20+47.86 TO 21+50.00 LT.	13+46.00 TO 21+23.00	18+50.83 TO 21+50.00 RT.
33+00.77 TO 37+00.00 RT.	26+77.00 TO 36+53.00	70+42.53 TO 71+89.48 RT.
53+29.69 TO 56+65.52 LT.	44+48.00 TO 85+55.00	75+24.53 TO 79+51.21 RT.
61+00.00 TO 65+21.05 RT.	91+46.00 TO 102+06.00	140+00.00 TO 141+50.00 LT.
71+89.98 TO 75+24.53 RT.	109+94.00 TO 117+75.00	210+37.87 TO 212+18.62 RT.
91+00.00 TO 94+18.01 LT.	124+25.00 TO 143+39.00	
94+73.87 TO 100+60.00 LT.	150+11.00 TO 180+12.00	
109+50.00 TO 112+98.93 LT.	187+38.00 TO 215+70.60	
141+50.00 TO 142+62.93 LT.		
*211+30.55 TO 215+70.60 LT.		
*212+18.62 TO 215+70.60 RT.		

*- CURB TYPE 3, MOLD 2

LEGEND

EXISTING GROUND	GUARDRAIL TYPE 3C SINGLE RAIL
: CURB TYPE 3, MOLD 3	

NOTE:

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

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

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

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 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.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither\E.Martin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

TYPICAL SECTIONS

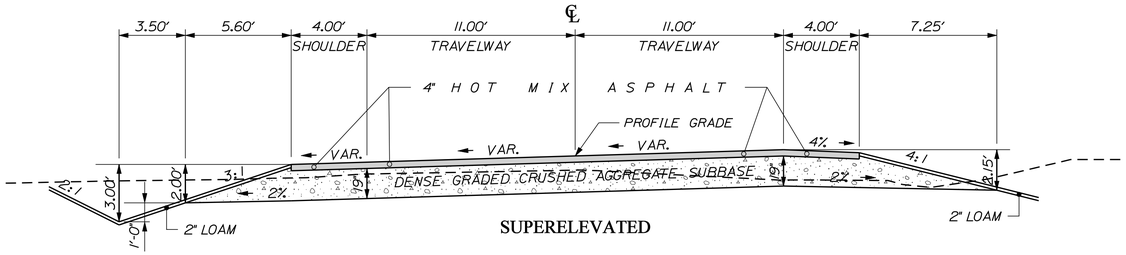
SHEET NUMBER

3

OF 329

Filename: ...\003_Typical03- NORMAL.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

FULL CONSTRUCTION

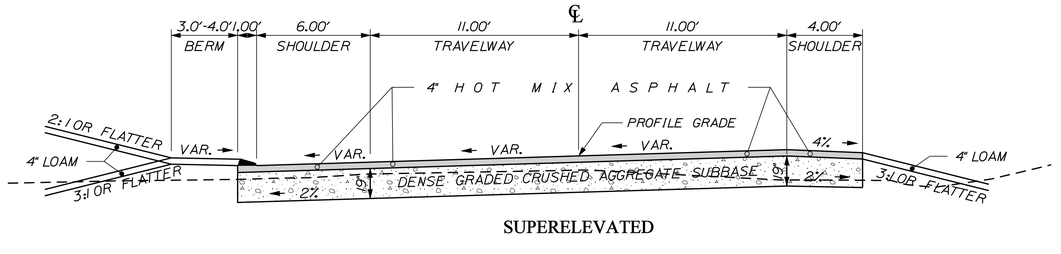


SUPERELEVATED

DITCH SHOULDER 19" D. G. C. A. S. = 42.2 CY/100LF
STATION TO STATION
10+33.20 TO 13+00.00 LT.
10+64.03 TO 13+00.00 RT.
23+89.29 TO 26+50.00 RT.
24+56.19 TO 26+50.00 LT.
37+00.00 TO 44+00.00 LT.
37+45.59 TO 38+40.07 RT.
40+72.42 TO 44+00.00 RT.
87+29.64 TO 88+70.07 LT.
90+25.00 TO 91+00.00 RT.
118+00.00 TO 124+00.00 LT.
143+50.00 TO 144+25.00 RT.
146+25.00 TO 150+00.00 LT.
148+47.90 TO 148+95.00 RT.
149+72.19 TO 150+00.00 RT.
180+00.00 TO 187+00.00 LT.
181+25.00 TO 187+00.00 RT.

11'- 11' TRAVEL LANES 19" D. G. C. A. S. = 129.0 CY/100LF
STATION TO STATION
10+00.00 TO 13+00.00
21+50.00 TO 26+50.00
37+00.00 TO 44+00.00
86+00.00 TO 91+00.00
102+50.00 TO 109+50.00
118+00.00 TO 124+00.00
143+50.00 TO 150+00.00
180+50.00 TO 187+00.00

SHOULDER 19" D. G. C. A. S. = 45.3 CY/100LF
STATION TO STATION
38+40.07 TO 40+72.42 RT.
86+00.00 TO 90+25.00 RT.
102+50.00 TO 105+00.00 RT.
102+50.00 TO 108+63.33 LT.
107+62.88 TO 109+50.00 RT.
118+00.00 TO 124+00.00 RT.
143+50.00 TO 146+25.00 LT.
144+25.00 TO 146+21.06 RT.
148+95.00 TO 149+72.19 RT.
180+00.00 TO 181+40.00 RT.
NOTE- INSLOPES RANGE FROM 3:1 TO 4:1



SUPERELEVATED

CURB SHOULDER 19" D. G. C. A. S. = 41.1 CY/100LF
STATION TO STATION
21+50.00 TO 24+56.19 LT.
37+00.00 TO 37+45.59 RT.
88+70.07 TO 91+00.00 LT.
105+00.00 TO 106+50.00 RT.
108+63.33 TO 109+50.00 LT.
146+21.06 TO 148+47.90 RT.

11'- 11' TRAVEL LANES 19" D. G. C. A. S. = 129.0 CY/100LF
STATION TO STATION
10+00.00 TO 13+00.00
21+50.00 TO 26+50.00
37+00.00 TO 44+00.00
86+00.00 TO 91+00.00
102+50.00 TO 109+50.00
118+00.00 TO 124+00.00
143+50.00 TO 150+00.00
180+50.00 TO 187+00.00

BOX SHOULDER 19" D. G. C. A. S. = 22.9 CY/100LF
STATION TO STATION
21+50.00 TO 23+89.29 RT.

LEGEND	
EXISTING GROUND	GUARDRAIL TYPE 3C SINGLE RAIL
: CURB TYPE 3, MOLD 3	

NOTE:

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

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

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

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 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.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Merlin		
DESIGN-DETAILED	N.COLLINS	B.THARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

TYPICAL SECTIONS

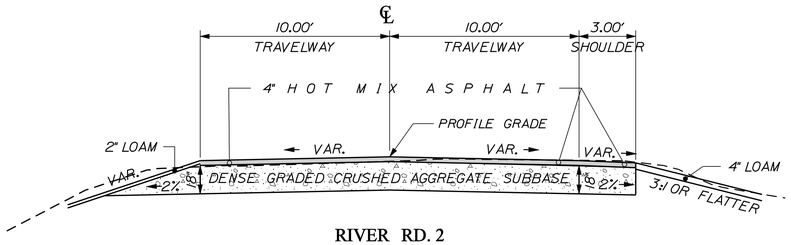
SHEET NUMBER

4

OF 329

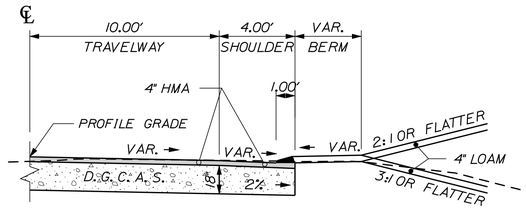
Filename: ...\msto\004_Typical02 - SUPER.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

FULL CONSTRUCTION- SIDEROADS



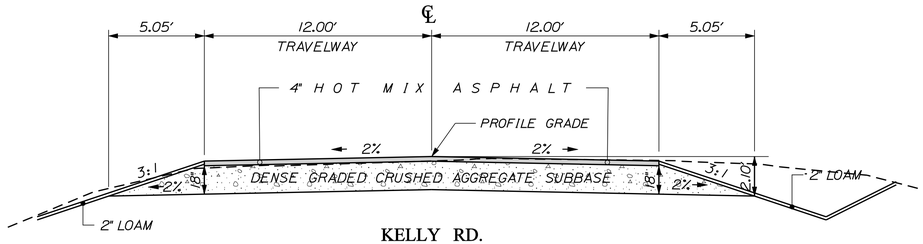
RIVER RD. 2
NORMAL

10' - 10' TRAVEL LANES 18" D. G. C. A. S. = 111.1 CY/100LF	BOX SHOULDER RT. 18" D. G. C. A. S. = 16.3 CY/100LF
STATION TO STATION	STATION TO STATION
300+40.00 TO 301+22.31 RT. 300+40.00 TO 301+36.00 LT.	300+40.00 TO 300+52.36 (0' - 3') 300+52.36 TO 300+82.94



RIVER RD. 2
NORMAL

CURB SHOULDER RT. 18" D. G. C. A. S. = 21.6 CY/100LF
STATION TO STATION
300+82.94 TO 301+22.31



KELLY RD.
NORMAL

12' - 12' TRAVEL LANES 18" D. G. C. A. S. = 133.3 CY/100LF
STATION TO STATION
400+28.32 TO 400+62.86

LEGEND	
EXISTING GROUND	GUARDRAIL TYPE 3C SINGLE RAIL
: CURB TYPE 3, MOLD 3	

NOTE:

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

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

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

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM 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.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	J.Bither \ K.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

CARIBOU
STATE ROUTE 161

TYPICAL SECTIONS- SIDEROADS

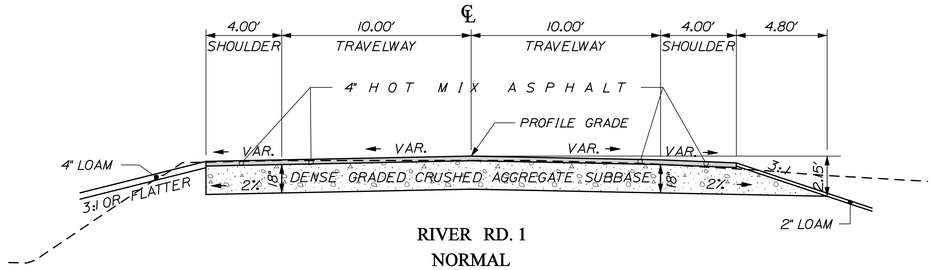
SHEET NUMBER

5

OF 329

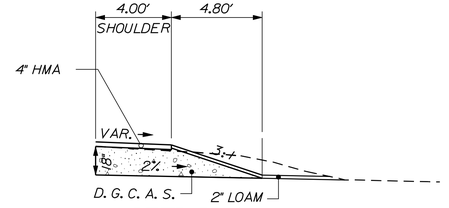
Filename: ...\005_Typical Sideroods 01.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

FULL CONSTRUCTION- SIDEROADS



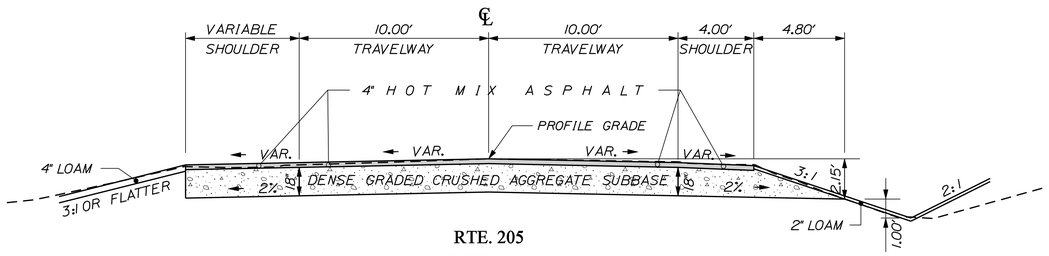
RIVER RD. 1
NORMAL

BOX SHOULDER LT.	10' - 10' TRAVEL LANES	SHOULDER RT.
	18" D. G. C. A. S. = 111.1 CY/100LF	18" D. G. C. A. S. = 36.5 CY/100LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
500+00.00 TO 501+98.16	500+00.00 TO 501+49.60 LT. 500+00.00 TO 501+51.00 RT.	500+00.00 TO 500+89.57



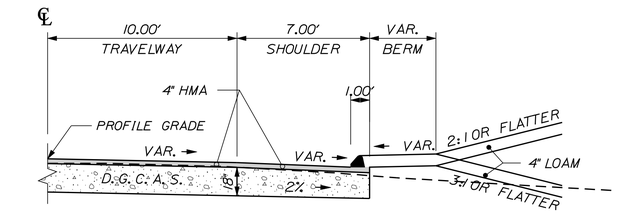
RIVER RD. 1
NORMAL

SHOULDER RT.
18" D. G. C. A. S. = 36.5 CY/100LF
STATION TO STATION
500+89.57 TO 501+67.39



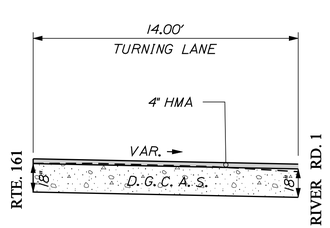
RTE. 205
NORMAL

BOX SHOULDER LT.	10' - 10' TRAVEL LANES	SHOULDER RT.
	18" D. G. C. A. S. = 111.1 CY/100LF	18" D. G. C. A. S. = 36.5 CY/100LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
600+00.00 TO 600+47.82	600+00.00 TO 600+85.38 LT. 600+00.00 TO 601+46.60 RT.	600+00.00 TO 600+85.00



RT. 205
NORMAL

CURB SHOULDER
18" D. G. C. A. S. = 38.9 CY/100LF
STATION TO STATION
600+47.82 TO 601+72.12 LT. 600+85.00 TO 601+80.52 RT.



TURNING LANE

14' TURNING LANE
18" D. G. C. A. S. = 77.8 CY/100LF
STATION TO STATION
800+33.92 TO 801+64.34

NOTE:

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

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

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

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 4" LOAM 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.

LEGEND	
EXISTING GROUND	GUARDRAIL TYPE 3C SINGLE RAIL
: CURB TYPE 3, MOLD 3	

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither \ K.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T. WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

TYPICAL SECTIONS- SIDEROADS

SHEET NUMBER

6

OF 329

Filename: ...\006_Typical Sideroods 02.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Estimate

Item No.	Description	Unit	Quantity
201.11	CLEARING	AC	1.50
201.23	REMOVING SINGLE TREE TOP ONLY	EA	27.00
201.24	REMOVING STUMP	EA	29.00
202.202	REMOVING PAVEMENT SURFACE	SY	69,810.00
203.20	COMMON EXCAVATION	CY	53,720.00
203.21	ROCK EXCAVATION	CY	420.00
203.2312	HEALTH AND SAFETY PLAN	LS	1.00
203.24	COMMON BORROW	CY	250.00
203.25	GRANULAR BORROW	CY	1,122.00
206.061	STRUCTURAL ROCK EXCAVATION- DRAIN AND MINOR STRUCT	CY	11.00
304.13	DENSE GRADED COURSE AGGREGATE	CY	48,000.00
403.208	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM, SURFACE	T	6,250.00
403.209	HOT MIX ASPHALT, INCIDENTIALS	T	350.00
403.211	HOT MIX ASPHALT, SHIM	T	140.00
403.213	HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM, BASE	T	10,125.00
409.15	BITUMINOUS TACK COAT, APPLIED	GA	2,550.00
512.081	FRENCH DRAINS (215 LF)	LS	1.00
603.159	12" CULV PIPE OPTION III	LF	208.00
603.17	18" CULV PIPE OPTION I	LF	976.00
603.179	18" CULV PIPE OPTION III	LF	146.00
603.19	24" CULV PIPE OPTION I	LF	464.00
603.199	24" CULV PIPE OPTION III	LF	84.00
603.20	30" CULV PIPE OPTION I	LF	84.00
603.219	36" CULV PIPE OPTION III	LF	484.00
603.229	42" CULV PIPE OPTION III	LF	258.00
603.239	48" CULVERT PIPE OPTION III	LF	376.00
603.259	60" CULVERT PIPE OPTION III	LF	68.00
604.092	CATCHBASIN TYPE B1-C	EA	15.00
604.097	72" CATCHBASIN TYPE B1-C	EA	2.00
604.15	MANHOLE	EA	1.00
604.156	96" MANHOLE	EA	2.00
605.09	6" UNDERDRAIN TYPE B	LF	5,051.00
605.10	6" UNDERDRAIN OUTLET	LF	563.00
605.11	12" UNDERDRAIN TYPE C	LF	423.00
605.18	36" UNDERDRAIN TYPE C	LF	357.00
606.1721	BRIDGE TRANSITION TYPE I	EA	2.00
606.23	GUARDRAIL TYPE 3C- SINGLE RAIL	LF	237.50
606.231	GUARDRAIL TYPE 3C- SINGLE RAIL, 15' RADIUS OR LESS	LF	100.00
606.265	TERMINAL END, SINGLE RAIL GALV STEEL	EA	4.00
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	EA	12.00
606.356	UNDERDRAIN DELINEATOR POST	EA	47.00
606.358	MOIDIFY GUARDRAIL, TYPE 3B TO 3C	LF	162.50
606.79	GUARDRAIL 350 FLARED TERMINAL	EA	2.00
609.31	CURB TYPE 3	LF	4,100.00
610.08	PLAIN RIPRAP	CY	1,250.00
610.15	REMOVE & RESET RIPRAP	CY	1,500.00
610.16	HEAVY RIPRAP	CY	300.00
610.163	SPECIAL RIPRAP	CY	300.00
610.18	STONE DITCH PROTECTION	CY	2,000.00
613.319	EROSION CONTROL BLANKET	SY	7,500.00
613.40	TURF REINFORCEMENT MAT	SY	1,500.00
615.07	LOAM	CY	4,300.00
615.081	COMPOST BLANKET	CY	170.00
618.13	SEEDING METHOD #1	UN	75.00
618.14	SEEDING METHOD #2	UN	360.00
618.141	SEEDING METHOD #3	UN	160.00
618.146	SEEDING HYDROMULCH GROWTH MEDIUM	UN	15.00
619.12	MULCH	UN	595.00
620.58	EROSION CONTROL GEOTEXTILE	SY	12,500.00
620.72	EROSION CONTROL SOCK	LF	158.00
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	65,800.00
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	SF	210.00
627.78	4" TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF	131,600.00
629.05	HAND LABOR, STRAIGHT TIME	HR	20.00
631.12	ALL PURPOSE EXCAVATOR (INCLUDES OPERATOR)	HR	20.00
631.172	TRUCK - LARGE (INCLUDES OPERATOR)	HR	40.00
631.18	CHAIN SAW RENTAL (INCLUDES OPERATOR)	HR	20.00
631.20	STUMP CHIPPER RENTAL (INCLUDES OPERATOR)	HR	20.00
631.22	FRONT END LOADER (INCLUDES OPERATOR)	HR	20.00
631.32	CULVERT CLEANER (INCLUDES OPERATOR)	HR	10.00
639.18	FIELD OFFICE, TYPE A	EA	1.00

Item No.	Description	Unit	Quantity
652.31	TYPE I BARRICADE	EA	25.00
652.311	TYPE II BARRICADE	EA	25.00
652.33	DRUMS	EA	75.00
652.34	CONES	EA	100.00
652.35	CONSTRUCTION SIGNS	SF	750.00
652.361	MAINT OF TRAFF CONTROL DEV	CD	275.00
652.38	FLAGGERS	HR	12,000.00
656.75	TEMPORARY SOIL EROSION & WATER POLLUTION CONTROL	LS	1.00
658.20	ACRYLIC LATEX FINISH, GREEN	SY	40.00
659.10	MOBILIZATION	LS	1.00
801.03	TEST PITS	EA	5.00
801.141	4" PVC SANITARY SEWER (SDR-35)	LF	25.00
801.16	6" PVC SANITARY SEWER (SDR-35)	LF	25.00

Earthwork Summary

COMMON EXCAVATION FOR ESTIMATE		
COMMON EXCAVATION (FROM CROSS SECTIONS)	49,278	
EARTH FROM DRIVES, OLD ROAD, ETC.	2,143	
GRUBBING IN FILL	870	
UNDERCUT	500	
CULVERT INLET AND OUTLET DITCHES	928	
TOTAL COMMON EXCAVATION		53,720
FILL FOR BORROW CALCULATIONS		
COMMON FILL (FROM CROSS SECTIONS)	6,069	
FILL FOR DRIVES	43	
GRUBBING IN FILL	870	
UNDERCUT	500	
PAVEMENT SALVAGE IN FILL	150	
TOTAL FILL		7,631
ROCK EXCAVATION FOR ESTIMATE		
ROCK EXCAVATION (from cross sections, including drain & minor struct)	431	
TOTAL ROCK EXCAVATION		431
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS		
DEDUCTIONS:		
GRUBBING IN CUT	17,000	
GRUBBING IN FILL	870	
UNDERCUT	500	
TOTAL DEDUCTIONS		18,370
TOTAL AVAILABLE COMMON EXCAVATION (total common ex - deductions)		35,350
TOTAL AVAILABLE STRUCTURAL EXCAVATION (underdrain trench only)		1,295
TOTAL AVAILABLE NON-ROCK EXCAVATION		36,645
COMPUTATION OF GRANULAR BORROW FOR ESTIMATE		
GRANULAR BORROW TO MAINTAIN TRAFFIC	622	
GRANULAR BORROW FOR UNDERCUTTING	500	
GRANULAR BORROW =	1,122	1,122
COMPUTATION OF COMMON EXCAVATION FOR ESTIMATE		
TOTAL AVAILABLE NON-ROCK EXCAVATION	36,645 x 0.90 =	32,980
TOTAL AVAILABLE ROCK EXCAVATION	431 x 1.30 =	560
TOTAL AVAILABE EXCAVATION		33,540
SURPLUS MATERIAL= TOTAL AVAILABLE EXCAVATION - TOTAL FILL		25,909

* PAVEMENT SALVAGE IN FILL AND PAVEMENT SALVAGE IN CUT IS NOT INCLUDED IN COMMON EXCAVATION QUANTITY BECAUSE IT IS PAID FOR UNDER ITEM NO. 202.202, REMOVING PAVEMENT SURFACE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Merlin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

ESTIMATED QUANTITIES
& EARTHWORK SUMMARY

SHEET NUMBER

7

OF 329

Filename: ...\msto\007_Estimate and EWS.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATION	CULVERT PIPE								CATCH BASIN			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	CMP		OPTION I		OPTION III								TYPE B		TYPE C					
					SMOOTHLINED		CORRUGATED						U.D.	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	F		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
DRIVEWAY CULVERTS																				
STA. 10+19.45, LT			18"	50.00'																
STA. 10+49.94, RT			18"	32.00'																
STA. 24+38.33, LT			18"	38.00'																
STA. 24+75.81. RT			18"	38.00'																
STA. 25+49.28, LT			18"	36.00'																
STA. 25+50.13, RT			18"	28.00'																
STA. 45+43.45, RT			18"	42.00'																
STA. 46+57.24, LT			18"	30.00'																
STA. 59+84.32, LT			18"	32.00'																
STA. 60+33.23, RT			18"	36.00'																
STA. 69+70.09, LT			18"	32.00'																
STA. 74+01.85, LT			18"	36.00'																
STA. 77+14.23, LT			18"	32.00'																
STA. 83+08.08, LT			18"	44.00'																
STA. 94+94.02, RT			18"	50.00'																
STA. 102+80.70, LT					*	52.00'														4.5' Wide X 2.0' Tall Elliptical Culvert Pipe, Option I. Riprap Inlet and Outlet
STA. 104+20.41, LT					*	48.00'														
STA. 108+10.48, LT					*	40.00'														
STA. 118+34.39, LT			30"	40.00'																
STA. 120+08.62, LT			30"	44.00'																
STA. 148+21.84, LT			24"	34.00'																
STA. 150+09.57, LT			24"	36.00'																
STA. 150+77.97, LT			24"	40.00'																
STA. 151+33.19, LT			24"	40.00'																
STA. 152+37.95, LT			24"	50.00'																
STA. 152+73.07, RT			24"	38.00'																
STA. 154+76.05, RT			24"	44.00'																
STA. 157+68.80, RT			24"	74.00'																
STA. 161+69.08, LT			24"	34.00'																
STA. 162+72.38, RT			24"	32.00'																
STA. 164+45.67, LT			24"	42.00'																
STA. 167+97.29, RT			18"	42.00'																
STA. 172+83.75, LT			18"	32.00'																
STA. 173+52.07, RT			18"	38.00'																
STA. 173+62.71, LT			18"	36.00'																
STA. 174+72.00, RT			18"	28.00'																
STA. 177+07.31, RT			18"	32.00'																
STA. 178+33.14, RT			18"	34.00'																
STA. 189+59.97, LT			18"	34.00'																
STA. 189+63.51, RT			18"	36.00'																
STA. 204+83.52, LT			18"	34.00'																
STA. 206+22.35, LT			18"	34.00'																
STA. 400+74.31, RT			18"	40.00'																
CATCH BASINS & MANHOLES																				
CB #1- STA. 62+92.00, 16.0' RT										1										
CB #2- STA. 64+88.00, 16.0' RT										1										
CB #3- STA. 84+83.10, 28.6' LT										1										72" (6') Tub
CB #4- STA. 91+70.00, 16.0' LT										1										
CB #5- STA. 92+48.00, 16.0' LT										1										
CB #6- STA. 93+41.50, 16.0' LT										1										
CB #7- STA. 105+00.00, 16.0' RT										1										
CB #8- STA. 301+60.00, 26.66' RT										1										
CB #9- STA. 301+15.00, 12.0' RT										1										
CB #10- STA. 109+05.00, 16.0' LT										1										FLAT TOP
CB #11- STA. 110+89.00, 16.0' LT										1										
CB #12- STA. 112+70.00, 16.0' LT										1										
CB #13- STA. 212+51.67, 16.0' LT										1										
CB #14- STA. 215+05.00, 16.0' RT										1										
CB #15- STA. 215+05.00, 16.0' LT										1										
CB #16- STA. 1200+44.20, 0'										1										
CB #17- STA. 1201+08.00, 0'										1										72" (6') Tub- WITH TRASH RACK
MH #1- STA. 79+68.00, 32.7' RT												1								96" (8') Tub
MH #2- STA. 1200+00.00, 0'												1								

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	----------	----------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

DRAINAGE SHEET

SHEET NUMBER

8

OF 329

Filename: ...\mslo\008_Drainage 1.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATION	CULVERT PIPE								CATCH BASIN			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	CMP		OPTION I		OPTION III								TYPE B		TYPE C				DESCRIPTIONS	
					SMOOTHLINED		CORRUGATED						U.D.	OUTLET	SMOOTHLINED		CORRUGATED			
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	F		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CULVERTS																				
STA. 26+79.30, 25.0' RT TO STA. 27+12.34, 25.0' LT					36"	72.00'	36"	72.00'												
STA. 50+20.00, 27.2' RT TO STA. 50+43.10, 28.0' LT					24"	60.00'	24"	60.00'												
STA. 57+81.40, 21.0' RT TO STA. 57+82.30, 24.0' LT					36"	60.00'	36"	60.00'												
STA. 64+88.00, RT (CB #2) TO STA. 65+20.00, 24.45' RT					12"	34.00'	12"	34.00'												
STA. 67+16.40, 28.0' RT TO STA. 67+18.60, 26.0' LT					42"	64.00'	42"	64.00'												
STA. 79+29.00, 35.0' LT TO STA. 79+66.00, 30.6' RT					48"	76.00'	48"	76.00'												
STA. 79+48.30, 100.5' RT TO STA. 79+67.20, 35.1' RT					60"	68.00'	60"	68.00'												WITH WEIRS
STA. 84+74.70, 31.7' RT TO STA. 84+33.10, 28.6' LT					36"	68.00'	36"	68.00'												
STA. 93+67.30, 120.0' RT TO STA. 94+22.25, 29.0' LT					48"	160.00'	48"	160.00'												
STA. 93+41.50, LT (CB #6) TO STA. 94+18.00, 31.6' LT					12"	86.00'	12"	86.00'												
STA. 101+05.50, 34.0' RT TO STA. 101+08.30, 26.0' LT					42"	64.00'	42"	64.00'												
STA. 108+63.30, 25.86' LT TO STA. 109+05.00, LT (CB #10)					36"	40.00'	36"	40.00'												
STA. 112+70.00, LT (CB #12) TO STA. 113+00.00, 24.67' LT					36"	28.00'	36"	28.00'												
STA. 128+99.75, 24.5' LT TO STA. 129+03.00, 30.75' RT					42"	64.00'	42"	64.00'												
STA. 144+57.00, 38.4' LT TO STA. 145+15.00, 87.5' RT					48"	140.00'	48"	140.00'												
STA. 215+05.00, RT (CB #14) TO STA. 215+05.00, LT (CB #15)					18"	28.00'	18"	28.00'												
STA. 215+05.00, LT (MH #2) TO STA. 1200+44.20, (CB #16)					18"	40.00'	18"	40.00'												
STA. 301+15.00, RT (CB #9) TO STA. 300+25.00, 18.9' RT					12"	88.00'	12"	88.00'												
STA. 400+98.00, 47.3' LT TO STA. 401+01.70, 38.5' RT					36"	76.00'	36"	76.00'												
STA. 500+04.00, 26.7' RT TO STA. 500+45.50, 24.7' LT					42"	66.00'	42"	66.00'												
STA. 215+05.00, LT (CB #15) TO STA. 215+05.00, 26.7' LT (MH #2)					18"	8.00'	18"	8.00'												
STA. 1200+44.20 (CB #16) TO STA. 1201+08.00 (CB #17)					18"	70.00'	18"	70.00'												
STA. 1201+08.00 (CB #17) TO STA. 1201+32.00					24"	24.00'	24"	24.00'												
UNDERDRAIN																				
STA. 18+80.00, RT TO STA. 23+88.50, RT													506.00'							
STA. 20+76.00, LT TO STA. 23+30.00, LT													256.00'							
STA. 33+32.00, RT TO STA. 37+50.00, RT													412.00'							
STA. 53+67.00, LT TO STA. 56+40.00, LT													271.00'							
STA. 61+00.00, RT TO STA. 62+92.00, RT (CB #1)													192.00'							
STA. 62+92.00, RT (CB #1) TO STA. 64+88.00, RT (CB #2)															12"	191.00'	12"	191.00'		
STA. 71+00.00, RT TO STA. 79+15.00, RT													815.00'							
STA. 89+00.00, LT TO STA. 91+70.00, LT (CB #4)													268.00'							
STA. 91+70.00, LT (CB #4) TO STA. 92+48.52, LT (CB #5)															12"	76.00'	12"	76.00'		
STA. 92+48.52, LT (CB #5) TO STA. 93+41.50, LT (CB #6)															12"	90.00'	12"	90.00'		
STA. 95+00.00, LT TO STA. 100+60.00, LT													523.00'							
STA. 105+00.00, RT (CB #7) TO STA. 106+50.00, RT													146.00'							
STA. 105+00.00, RT (CB #7) TO STA. 301+60.00, RT (CB #8)															12"	29.00'	12"	29.00'		
STA. 109+05.00, LT (CB #10) TO STA. 110+83.00, LT (CB #11)															36"	180.00'	36"	180.00'		
STA. 110+83.00, LT (CB #11) TO STA. 112+70.00, LT (CB #12)															36"	177.00'	36"	177.00'		
STA. 140+50.00, LT TO STA. 142+40.00, LT													190.00'							
STA. 146+50.00, RT TO STA. 148+48.00, RT													198.00'							
STA. 164+00.00, RT TO STA. 168+00.00, RT													400.00'							
STA. 164+00.00, LT TO STA. 168+00.00, LT													400.00'							
STA. 212+20.00, RT TO STA. 215+05.00, RT (CB #14)													284.00'							
STA. 301+60.00, RT (CB #8) TO STA. 301+15.00, RT (CB #9)															12"	37.00'	12"	37.00'		
STA. 600+50.00, LT TO STA. 601+66.60, LT													122.00'							
STA. 600+87.20, RT TO STA. 601+55.60, RT													68.00'							
UNDERDRAIN OUTLETS																				
STA. 18+50.00, RT TO STA. 18+80.00, RT														32.00'						
STA. 20+50.00, LT TO STA. 20+76.00, LT														31.00'						
STA. 24+10.00, LT TO STA. 24+55.00, LT														48.00'						
STA. 33+00.00, RT TO STA. 33+32.00, RT														32.00'						
STA. 53+30.00, LT TO STA. 53+67.00, LT														39.00'						
STA. 56+40.00, LT TO STA. 56+65.50, LT														27.00'						
STA. 79+15+00, RT TO STA. 79+50.00, RT (MH #1)														54.00'						
STA. 88+70.00, LT TO STA. 89+00.00, LT														30.00'						
STA. 94+74.00, LT TO STA. 95+00.00, LT														28.00'						
STA. 100+60.00, LT TO STA. 100+85.00, LT														40.00'						
STA. 142+40.00, LT TO STA. 142+70.00, LT														30.00'						
STA. 146+21.50, RT TO STA. 146+50.00, RT														34.00'						
STA. 163+70.00, RT TO STA. 164+00.00, RT														30.00'						
STA. 163+70.00, LT TO STA. 164+00.00, LT														30.00'						
STA. 600+50.00, RT TO STA. 600+87.00, RT														38.00'						
STA. 600+10.00, LT TO STA. 600+50.00, LT														40.00'						

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bilner\E.Morton		
DESIGN-DETAILED	N.COLLINS	JUNE 2013	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013	
DESIGN3-DETAILED3	-----	-----	
REVISIONS 1	-----	-----	
REVISIONS 2	-----	-----	
REVISIONS 3	-----	-----	
REVISIONS 4	-----	-----	
FIELD CHANGES	-----	-----	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

DRAINAGE SHEET

SHEET NUMBER

9

OF 329

Filename: ...\mst0\009_Drainage 2.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\msto\010_GeneralNotes.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

ENVIRONMENTAL NOTES:

1. A MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) ENVIRONMENTAL OFFICE INVESTIGATION ASSOCIATED WITH THIS PROJECT DISCOVERED DATA SUGGESTING PETROLEUM RELATED CONTAMINATION WAS PRESENT AT ROUGHLY MAINEDOT STATION 213+25 TO ROUGHLY MAINEDOT STATION 214+25 LEFT OF CENTER. SUBSEQUENT ON-SITE WORK CONFIRMED PETROLEUM CONTAMINATION. HOWEVER, BASED ON THE SCOPE OF WORK PRESENTED, AVAILABLE DATA SUGGESTS THAT THIS CONTAMINATION MAY BE DEEPER THAN AND ADJACENT TO ANY WORK PROPOSED IN THIS AREA.

2. IN LIGHT OF MAINEDOT'S FINDINGS, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONAL EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MDOT'S ENVIRONMENTAL OFFICE AT 207-624-3100 AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
   - CARIBOU UTILITIES DISTRICT
   - CARIBOU WATER WORKS DIV OF C.U.D.
   - EMERA MAINE
   - FAIRPOINT COMMUNICATIONS
   - PIONEER WIRELESS INC.
   - TIME WARNER CABLE

2. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE UNDER ITEM 202.202 REMOVING PAVEMENT SURFACE.

3. CONSTRUCT BUTT JOINTS AT ALL PAVED DRIVES AND ENTRANCES IN OVERLAY SECTION ONLY.

4. 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.

5. STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER RENTAL MAY BE USED TO REMOVE STUMPS.

6. 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 9 INCHES IN FIELD AREAS AND 15 INCHES IN WOODED AREAS.

7. WHERE DEEMED NECESSARY BY THE RESIDENT, UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.

8. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT. ALL REMAINING OR DISTURBED MATERIAL ON SLOPES OR IN DITCHES ON THE PROJECT SHALL BE CAPABLE OF ATTAINING A GROWTH OF GRASS THAT IS ACCEPTABLE ACCORDING TO STANDARD SPECIFICATION 618.10. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.

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

10. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.

11. 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.

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

13. 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.

14. EXISTING INSLOPES STEEPER THAN 2:1 IN PROPOSED FILL AREAS SHALL BE BENCHED AS DIRECTED BY THE RESIDENT.

15. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" DENSE GRADED COURSE AGGREGATE (DGCA).

16. COMMERICAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" DENSE GRADED COURSE AGGREGATE (DGCA).

17. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14" DENSE GRADED CRUSHED AGGREGATE OR 11" DENSE GRADED CRUSHED AGGREGATE AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

18. CRUSHED STONE ENTRANCES SHALL BE CONSTRUCTED WITH 12" DENSE GRADED CRUSHED AGGREGATE AND 2" CRUSHED STONE SURFACE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

19. GRASSED ENTRANCES SHALL BE CONSTRUCTED WITH 12" DENSE GRADED COURSE AGGREGATE (DGCA) 2" LOAM, SEED & MULCH UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

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

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

22. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.

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

24. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE TABULATION.

25. 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.

26. 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.

27. ALL CONNECTIONS FOR UNDERDRAIN (U.D.) TO ROADWAY CULVERTS WILL BE INCIDENTAL TO U.D. PIPE ITEMS.

28. A 3 FT. X 3 FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT U.D. OUTLETS.

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

30. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.
31. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT THE END OF EACH SECTION OF BITUMINOUS CURB.

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

33. 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.

34. 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.

35. ACRYLIC LATEX COLOR FINISH GREEN (ITEM 658.20) SHALL BE PLACED ON ALL PAVED ISLANDS.

36. WHITE OR YELLOW PAVEMENT/CURB MARKING (ITEM 627.75) SHALL BE APPLIED TO ALL ISLAND TAPERED ENDS.

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

38. 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 627.76

39. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

40. 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.

41. 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.

42. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON REQUEST. THESE PROJECTS ARE: PIN 11206.00

43. A COPY OF THE GEOTECHNICAL REPORT FOR THIS PROJECT CAN BE FOUND WITH THE PROJECT BID DOCUMENTS ON THE MAINE DEPARTMENT OF TRANSPORTATION WEBSITE OR BY CONTACTING THE PROJECT MANAGER.

44. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

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

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

47. STATIONS REFERENCED ARE APPROXIMATE.

48. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

49. IF THE CONTRACTOR CHOOSES TO INSTALL RCP PIPE FOR OPTION III, CONCRETE PIPE TIES SHALL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

50. ELLIPTICAL DRIVEWAY CULVERTS: THE ACTUAL HEIGHT AND WIDTH OF THE PROPOSED ELLIPTICAL DRIVEWAY CULVERTS MAY BE ALTERED FROM THE PROPOSED DIMENSIONS, AS LONG AS THE EQUIVALENT AREA OF THE PROPOSED CULVERT IS AT A MINIMUM EQUAL TO THAT OF A 36" CULVERT PIPE (7.0 SQ. FT.) AS DIRECTED BY THE RESIDENT

51. FOR ALL SLOPES STEEPER THAN 3:1 (H:V) CONTRACTOR SHALL SCORE OR SCARIFY THE SLOPE PRIOR TO PLACING OF LOAM OR COMPOST BLANKET. AS DIRECTED BY THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

GENERAL NOTES

SHEET NUMBER

10

OF 329

GEOTECHNICAL NOTES

1. BEDROCK WITHIN 1 FOOT BELOW SUBGRADE
IT IS ANTICIPATED THAT BEDROCK MAY BE WITHIN 1 FOOT BELOW SUBGRADE AT THE LOCATIONS LISTED IN THE CHART BELOW.
REFER TO SHEET 21 NOTES FOR ADDITIONAL INFORMATION AND APPROPIATE PAY ITEMS.

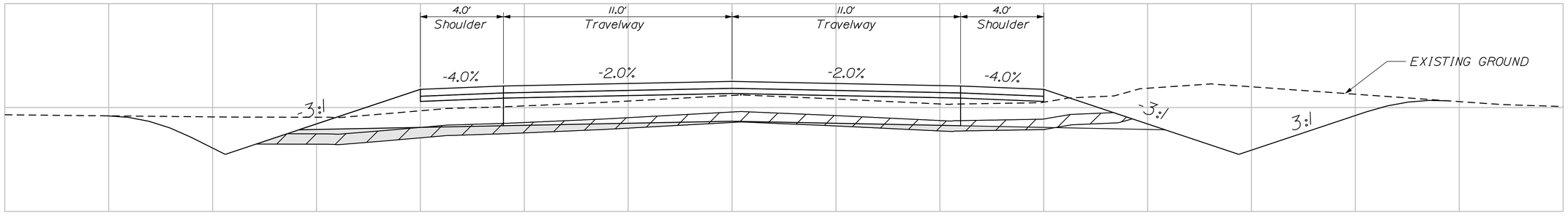
Station	Offset
55+50.00	Lt
121+00.00	Lt
184+00.00	Lt
195+00.00	Rt
196+50.00	Rt
197+00.00	Rt
198+00.00	Rt
200+00.00	Rt
201+00.00	Rt

2. LOW SUBGRADE RESILIENT MODULUS VALUES
LOW SUBGRADE RESILIENT MODULUS VALUES WERE ENCOUNTERED BETWEEN STATIONS 114+00 - 128+00. THESE RELATIVELY LOW MR VALUES MAY INDICATE THE PRESENCE OF MOIST TO WET SUBGRADE SOIL CONDITIONS. DEPENDING ON SUBGRADE CONDITIONS AT THE TIME OF CONSTRUCTION THESE AREAS MAY HAVE DIFFICULTIES SUPPORTING TRAFFIC ONCE THE EXISTING PAVEMENT SURFACE IS REMOVED. ADDITIONAL BASE MATERIAL MAY BE NECESSARY TO SUPPORT TRAFFIC DURING CONSTRUCTION. PAYMENT FOR TEMPORARY SUPPORT OF ROADWAY WILL BE PAID UNDER ITEM NO. 203.35 GRANULAR BORROW, OR AS DIRECTED BY THE RESIDENT.

3. COBBLE LAYER REMOVAL
MULTIPLE POWER AUGER BORINGS AND POWER AUGER PROBES WERE CONDUCTED AS PART OF THE GEOTECHNICAL INVESTIGATION. A SHALLOW COBBLE LAYER WAS ENCOUNTERED IN SEVERAL OF THESE BORINGS AND PROBES. THIS COBBLE LAYER IS THOUGHT TO HAVE BEEN PLACED DURING PAST CONSTRUCTION ACTIVITIES. WHEN ENCOUNTERED, THIS COBBLE LAYER WAS GENERALLY ENCOUNTERED BETWEEN 0.8' AND 3.8' BELOW THE EXISTING GROUND SURFACE AND RANGED IN THICKNESS BETWEEN 4" AND 12". IF THIS COBBLE LAYER IS ENCOUNTERED AT OR ABOVE THE PROPOSED SUBGRADE ELEVATION DURING CONSTRUCTION, THE COBBLE LAYER SHALL BE COMPLETELY REMOVED, FULL WIDTH (INSLOPE TO INSLOPE) AND FULL DEPTH (NOT TO EXCEED 24" BELOW PROPOSED SUBGRADE), AND REPLACED WITH COMMON BORROW. POWER AUGER BORINGS AND POWER AUGER PROBES ENCOUNTERED THE COBBLE LAYER AT THE FOLLOWING LOCATIONS BELOW. THE COBBLE LAYER MAY BE ENCOUNTERED WITHIN THESE AREAS AND/OR OTHERS ALONG THE PROJECT SITE. REMOVAL OF THE COBBLE LAYER SHALL BE MEASURED AND PAID FOR UNDER ITEM 203.20 COMMON EXCAVATION AND REPLACEMENT MATERIAL SHALL MEET ALL MATERIAL REQUIRMENTS OF ITEM 203.24 COMMON BORROW. AS DIRECTED BY THE RESIDENT

Station	Depth (ft)	Thickness (inch)	Comment
25+00	1.6' - 1.9'	4"	Boring
45+03	0.8' - 1.3'	6"	Boring
55+00	0.9' - 1.3'	5"	Boring
70+02	0.8' - 1.4'	7"	Boring
80+03	2.8' - 3.8'	12"	Boring
87+50 - 89+50	-	-	Probes (no mention of depth)
96+25 - 98+00	1.0' - 1.6'	7"	Probes
102+50	2.3' - 2.8'	6"	Boring
164+50 - 168+27	1.0' - 1.4'	5"	Probes + Boring

COBBLE LAYER EXCAVATION DETAIL



THE COBBLE LAYER REFERED TO IN NOTE #3 AND THE DETAIL ABOVE IS DESCRIBED AS A SUBSURFACE LAYER OF ROUND STONE OF DIFFERENT SIZES. EXACT DEPTHS AND LIMITS ARE UNKNOWN

APROX. LOCATION OF COBBLE LAYER

ADDITIONAL EXCAVATION TO REMOVE ENTIRE COBBLE LAYER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither-E.Merlin	J. HARDEN	JUNE 2013
DESIGN-DETAILED	N.COLLINS	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-------	-------	-------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

GEOTECHNICAL NOTES

SHEET NUMBER
11
OF 329

Filename: ...\MSTA\011_Geotech notes.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/19/2015

CONSTRUCTION NOTES (1)

SUPERELEVATION CHART

Left Shoulder	Left Travelway	Station	Right Travelway	Right Shoulder
Match Existing				
-4.0%	-2.0%	5+04.00	-2.0%	-4.0%
↓	-0.2%	5+50.00	↓	↓
	1.8%	6+00.00		
	2.0%	6+04.00	-2.0%	
	3.8%	6+50.00	-3.8%	
-4.0%	4.0%	6+54.00	-4.0%	-4.0%
-2.2%	5.8%	7+00.00	-5.8%	-5.8%
Full Superelevation				
-2.2%	5.8%	11+50.00	-5.8%	-5.8%
-4.0%	4.0%	11+96.00	-4.0%	-4.0%
↓	3.8%	12+00.00	-3.8%	↓
	2.0%	12+46.00	-2.0%	
	1.8%	12+50.00	↓	
	-0.2%	13+00.00		
-4.0%	-2.0%	13+46.00	-2.0%	-4.0%
Normal Crown				
-4.0%	-2.0%	21+23.00	-2.0%	-4.0%
↓	-0.9%	21+50.00	↓	↓
	1.1%	22+00.00		
	2.0%	22+23.00	-2.0%	
	3.1%	22+50.00	-3.1%	
-4.0%	4.0%	22+73.00	-4.0%	-4.0%
-2.9%	5.1%	23+00.00	-5.1%	-5.1%
Full Superelevation				
-2.9%	5.1%	25+00.00	-5.1%	-5.1%
-4.0%	4.0%	25+27.00	-4.0%	-4.0%
↓	3.1%	25+50.00	-3.1%	↓
	2.0%	25+77.00	-2.0%	
	1.1%	26+00.00	↓	
	-0.9%	26+50.00		
-4.0%	-2.0%	26+77.00	-2.0%	-4.0%
Normal Crown				
-4.0%	-2.0%	36+53.00	-2.0%	-4.0%
↓	↓	37+00.00	-0.1%	↓
		37+50.00	1.9%	
	-2.0%	37+53.00	2.0%	
	-3.9%	38+00.00	3.9%	
-4.0%	-4.0%	38+03.00	4.0%	-4.0%
-5.9%	-5.9%	38+50.00	5.9%	-2.1%
Full Superelevation				
-5.9%	-5.9%	42+50.00	5.9%	-2.1%
-4.0%	-4.0%	42+98.00	4.0%	-4.0%
↓	-3.9%	43+00.00	3.9%	↓
	-2.0%	43+48.00	2.0%	
	↓	43+50.00	1.9%	
		44+00.00	-0.1%	
-4.0%	-2.0%	44+48.00	-2.0%	-4.0%
Normal Crown				

Left Shoulder	Left Travelway	Station	Right Travelway	Right Shoulder
Normal Crown				
-4.0%	-2.0%	85+55.00	-2.0%	-4.0%
↓	↓	86+00.00	-0.2%	
		86+50.00	1.8%	↓
	-2.0%	86+55.00	2.0%	
-4.0%	-3.8%	87+00.00	3.8%	-4.0%
Full Superelevation				
-4.0%	-3.8%	90+00.00	3.8%	-4.0%
↓	-2.0%	90+46.00	2.0%	↓
	↓	90+50.00	1.8%	
		91+00.00	-0.2%	
-4.0%	-2.0%	91+46.00	-2.0%	-4.0%
Normal Crown				
-4.0%	-2.0%	102+06.00	-2.0%	-4.0%
↓	↓	102+50.00	-0.2%	↓
		103+00.00	1.8%	
	-2.0%	103+06.00	2.0%	
	-3.8%	103+50.00	3.8%	
-4.0%	-4.0%	103+56.00	4.0%	-4.0%
-5.8%	-5.8%	104+00.00	5.8%	-2.2%
Full Superelevation				
-5.8%	-5.8%	108+00.00	5.8%	-2.2%
-4.0%	-4.0%	108+44.00	4.0%	-4.0%
↓	-3.8%	108+50.00	3.8%	↓
	-2.0%	108+94.00	2.0%	
	↓	109+00.00	1.8%	
		109+50.00	-0.2%	
-4.0%	-2.0%	109+94.00	-2.0%	-4.0%
Normal Crown				
-4.0%	-2.0%	117+75.00	-2.0%	-4.0%
↓	-1.0%	118+00.00	↓	↓
	1.0%	118+50.00		
	2.0%	118+75.00	-2.0%	
-4.0%	3.0%	119+00.00	-3.0%	-4.0%
Full Superelevation				
-4.0%	3.0%	123+00.00	-3.0%	-4.0%
↓	2.0%	123+25.00	-2.0%	↓
	1.0%	123+50.00	↓	
	-1.0%	124+00.00		
-4.0%	-2.0%	124+25.00	-2.0%	-4.0%
Normal Crown				
-4.0%	-2.0%	143+39.00	-2.0%	-4.0%
↓	-1.6%	143+50.00	↓	↓
	0.5%	144+00.00		
	2.0%	144+39.00	-2.0%	
-4.0%	2.5%	144+50.00	-2.5%	-4.0%
Full Superelevation				
-4.0%	2.5%	149+00.00	-2.5%	-4.0%
↓	2.0%	149+11.00	-2.0%	↓
	0.5%	145+50.00	↓	
	-1.6%	150+00.00		
-4.0%	-2.0%	150+11.00	-2.0%	-4.0%
Normal Crown				

Left Shoulder	Left Travelway	Station	Right Travelway	Right Shoulder
Normal Crown				
-4.0%	-2.0%	180+12.00	-2.0%	-4.0%
↓	↓	180+50.00	-0.5%	
		181+00.00	1.5%	↓
	-2.0%	181+12.00	2.0%	
	-3.5%	181+50.00	3.5%	
-4.0%	-4.0%	181+62.00	4.0%	-4.0%
-5.5%	-5.5%	182+00.00	5.5%	-2.5%
Full Superelevation				
-5.5%	-5.5%	185+50.00	5.5%	-2.5%
-4.0%	-4.0%	185+88.00	4.0%	-4.0%
↓	-3.5%	186+00.00	3.5%	↓
	-2.0%	186+38.00	2.0%	
	↓	186+50.00	1.5%	
		187+00.00	-0.5%	
-4.0%	-2.0%	187+38.00	-2.0%	-4.0%
Normal Crown				

Sta. 215+70.60 = Match into Aroostook River Bridge

DRIVEWAYS

#	Station	Offset	Description		Opening Width (ft)
1	6+05.17	L	Commercial	Paved	166
2	7+46.19	L	Residential	Gravel	43
3	10+19.45	L	Field	Gravel	29
4	10+49.94	R	Field	Gravel	25
5	18+67.18	R	Field	Gravel	20
6	19+86.62	R	Residential	Gravel	26
7	20+97.95	L	Commercial	Gravel	42
8	21+41.74	R	Residential	Gravel	20
9	21+76.46	R	Residential	Gravel	20
10	21+79.21	L	Commercial	Gravel	42
11	22+51.66	L	Commercial	Gravel	42
12	23+12.00	R	Residential	Gravel	20
13	23+21.29	L	Commercial	Gravel	42
14	23+78.12	R	Residential	Gravel	22
15	24+38.33	L	Commercial	Gravel	22
16	24+75.81	r	Residential	Gravel	20
17	25+49.28	L	Commercial	Gravel	24
18	25+50.13	R	Residential	Gravel	20
19	34+78.37	R	Residential	Gravel	29
20	35+51.03	R	Residential	Gravel	29
21	37+34.87	R	Field	Gravel	24
22	45+43.45	R	Field	Gravel	30
23	46+57.24	L	Residential	Gravel	12
24	48+52.50	R	Field	Gravel	30
25	49+37.47	L	Residential	Paved	21
26	53+53.96	L	Residential	Paved	25
27	55+19.64	L	Residential	Paved	25
28	57+44.63	R	Field	Gravel	30
29	59+84.32	L	Field	Gravel	22
30	60+33.23	R	Cemetery	Gravel	16
31	63+12.15	R	Residential	Gravel	24
32	69+70.09	L	Residential	Gravel	22
33	70+27.55	R	Field	Gravel	24
34	70+68.36	R	Residential	Gravel	22
35	71+73.76	R	Residential	Gravel	20
36	71+80.23	L	Residential	Gravel	18
37	74+01.85	L	Residential	Gravel	18
38	74+26.64	R	Residential	Gravel	22
39	75+38.66	R	Residential	Gravel	25
40	77+14.23	L	Field	Gravel	20
41	77+71.36	R	Residential	Paved	20
42	78+30.38	R	Residential	Paved	30
43	83+08.08	L	Residential	Paved	22
44	87+25.33	L	Residential	Paved	22
45	89+09.24	L	Residential	Paved	20
46	91+52.07	L	Residential	Gravel	20
47	93+59.98	L	Field	Gravel	20
48	94+94.02	R	Residential	Paved	30
49	99+10.28	R	Residential	Gravel	24
50	100+43.73	L	Residential	Paved	36
51	102+80.70	L	Field	Gravel	31
52	104+20.41	L	Field	Gravel	26
53	106+74.24	L	Commercial	Paved	42
54	107+41.24	R	Commercial	Paved	42
55	108+10.48	L	Residential	Gravel	20

#	Station	Offset	Description		Opening Width (ft)
56	108+90.03	L	Field	Gravel	20
57	110+64.23	L	Residential	Paved	33
58	111+75.00	L	Residential	Paved	26
59	118+34.39	L	Residential	Gravel	18
60	120+08.62	L	Residential	Gravel	21
61	128+78.04	R	Field	Gravel	25
62	141+21.89	R	Residential	Paved	16
63	141+36.83	L	Field	Gravel	20
64	141+86.49	R	Field	Gravel	24
65	141+89.85	L	Residential	Gravel	22
66	147+17.69	R	Residential	Paved	32
67	148+21.84	L	Residential	Gravel	15
68	150+09.57	L	Residential	Gravel	21
69	150+77.97	L	Residential	Gravel	20
70	151+33.19	L	Residential	Gravel	22
71	152+37.95	L	Residential	Paved	34
72	152+73.07	R	Residential	Gravel	24
73	154+76.05	R	Residential	Gravel	20
74	157+68.80	R	Field	Gravel	54
75	161+69.08	L	Residential	Gravel	16
76	162+72.38	R	Field	Gravel	18
77	164+45.67	L	Residential	Paved	22
78	167+97.29	R	Field	Gravel	25
79	172+83.75	L	Field	Gravel	14
80	173+52.07	R	Field	Gravel	21
81	173+62.71	L	Field	Gravel	18
82	174+72.00	R	Residential	Gravel	20
83	177+07.31	R	Residential	Paved	16
84	178+33.14	R	Residential	Paved	18
85	189+59.97	L	Field	Gravel	19
86	189+63.51	R	Field	Gravel	25
87	193+07.35	L	Residential	Paved	20
88	195+66.04	R	Residential	Gravel	26
89	198+67.88	L	Field	Gravel	26
90	202+36.65	L	Residential	Gravel	20
91	202+65.66	R	Field	Gravel	16
92	203+86.86	L	Residential	Gravel	24
93	204+83.52	L	Residential	Paved	15
94	205+22.05	R	Field	Gravel	32
95	205+81.28	R	Residential	Paved	19
96	206+22.35	L	Residential	Gravel	20
97	206+70.34	R	Residential	Paved	22
98	207+68.06	L	Commercial	Gravel	31
99	212+77.36	L	Commercial	Gravel	42
100	213+58.21	R	Residential	Gravel	20
101	213+71.28	L	Commercial	Gravel	42
102	214+84.10	R	Field	Gravel	21
103	215+17.79	R	Field	Gravel	21
104	215+32.40	L	Field	Gravel	24
105	300+67.13	R	Residential	Paved	26
106	301+02.48	L	Residential	Paved	39
107	400+74.31	R	Field	Gravel	20
108	500+66.40	R	Field	Gravel	20
109	600+31.95	L	Residential	Paved	28
110	600+73.79	R	Residential	Gravel	26

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	J.Bittner/K.Martin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013	-----
DESIGN3-DETAILED3	T.WHITE	-----	-----
REVISIONS 1		-----	-----
REVISIONS 2		-----	-----
REVISIONS 3		-----	-----
REVISIONS 4		-----	-----
FIELD CHANGES		-----	-----

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CONSTRUCTION NOTES

SHEET NUMBER

12

OF 329

Filename: ...\012_Construction Notes 1- Super & Driveways HIGHWAY Username: natasha.m.collins Date:3/4/2015

CONSTRUCTION NOTES (2)

Item No. 201.11- Clearing

Station	to	Station	Offset
10+72.76		10+91.62	Lt
24+91.39		25+45.56	Rt
44+28.00		44+84.70	Lt
73+80.28		74+10.40	Rt
78+90.92		79+74.39	Lt
78+72.91		82+39.69	Rt
84+08.47		86+71.11	Lt
84+55.93		85+00.51	Rt
87+81.43		88+16.65	Lt
87+20.38		93+00.98	Rt
92+94.54		94+49.20	Rt
94+28.36		95+02.96	Lt
96+47.32		97+19.37	Rt
103+40.78		103+73.21	Rt
105+94.06		107+13.66	Lt
115+78.26		116+94.47	Rt
120+65.14		122+39.89	Lt
144+46.76		146+21.69	Rt
213+75.92		214+31.24	Rt

Item No. 201.23- Remove Single Tree

Station	Offset		Desc.	Quant.	
24+59.34	23.7205	Rt	16" SPRUCE	1	
24+94.17	23.5494	Rt	5" ELM TWIN	0	***Non- Pay Item***
47+36.69	31.2219	Lt	18" SPRUCE	1	
50+12.97	29.4634	Lt	30" ELM	1	
50+19.88	31.3388	Lt	30" ELM BM 155	1	
55+39.94	22.6203	Lt	14" SPRUCE TWIN	1	
62+47.34	29.04	Rt	14" BIRCH	1	
62+90.17	29.57	Rt	14" BIRCH	1	
70+01.33	25.3451	Lt	14" PINE	1	
120+72.33	40.6463	Lt	36" POPLAR	1	
142+94.16	30.5291	Lt	8" SPRUCE	0	***Non- Pay Item***
143+02.64	33.7871	Lt	14" SPRUCE	1	
143+12.93	30.6592	Lt	10" SPRUCE	0	***Non- Pay Item***
143+16.72	29.9425	Lt	12" SPRUCE	1	
143+32.45	31.646	Lt	8" SPRUCE	0	***Non- Pay Item***
146+83.58	30.5351	Lt	18" SPRUCE	1	
146+92.02	31.0165	Lt	14" SPRUCE	1	
147+07.58	31.7298	Lt	14" SPRUCE	1	
147+17.04	33.1485	Lt	20" SPRUCE	1	
147+31.65	33.3878	Lt	16" SPRUCE	1	
147+39.58	34.0532	Lt	18" SPRUCE	1	
147+54.93	34.7329	Lt	18" SPRUCE	1	
147+62.93	35.4211	Lt	16" SPRUCE	1	
147+78.25	36.1475	Lt	20" SPRUCE	1	
147+86.85	36.7763	Lt	18" SPRUCE	1	
150+69.61	31.0063	Lt	30" PINE	1	
150+86.71	29.8406	Lt	28" TAMARACK	1	
152+65.74	26.1877	Lt	14" SPRUCE	1	
152+76.34	27.0706	Lt	14" SPRUCE	1	
155+71.72	31.4984	Rt	12" BIRCH BM 172	1	
155+83.87	31.1427	Rt	12" BIRCH CLUMP	1	
212+15.81	43.2298	Rt	6" MAPLE CLUMP	0	***Non- Pay Item***
212+23.55	35.3213	Rt	5" MAPLE	0	***Non- Pay Item***
212+41.42	38.0757	Lt	4" CEDAR CLUMP	0	***Non- Pay Item***

Item No. 201.24- Remove Stump

Station	Offset		Desc.	Quant.	
24+59.34	23.7205	Rt	16" SPRUCE	1	
24+94.17	23.5494	Rt	5" ELM TWIN	0	***Non- Pay Item***
47+36.69	31.2219	Lt	18" SPRUCE	1	
50+12.97	29.4634	Lt	30" ELM	1	
50+19.88	31.3388	Lt	30" ELM BM 155	1	
55+39.94	22.6203	Lt	14" SPRUCE TWIN	1	
62+47.34	29.04	Rt	14" BIRCH	1	
62+90.17	29.57	Rt	14" BIRCH	1	
70+01.33	25.3451	Lt	14" PINE	1	
120+72.33	40.6463	Lt	36" POPLAR	1	
142+94.16	30.5291	Lt	8" SPRUCE	0	***Non- Pay Item***
143+02.64	33.7871	Lt	14" SPRUCE	1	
143+12.93	30.6592	Lt	10" SPRUCE	0	***Non- Pay Item***
143+16.72	29.9425	Lt	12" SPRUCE	1	
143+32.45	31.646	Lt	8" SPRUCE	0	***Non- Pay Item***
146+83.58	30.5351	Lt	18" SPRUCE	1	
146+92.02	31.0165	Lt	14" SPRUCE	1	
147+07.58	31.7298	Lt	14" SPRUCE	1	
147+17.04	33.1485	Lt	20" SPRUCE	1	
147+31.65	33.3878	Lt	16" SPRUCE	1	
147+39.58	34.0532	Lt	18" SPRUCE	1	
147+54.93	34.7329	Lt	18" SPRUCE	1	
147+62.93	35.4211	Lt	16" SPRUCE	1	
147+78.25	36.1475	Lt	20" SPRUCE	1	
147+86.85	36.7763	Lt	18" SPRUCE	1	
150+69.61	31.0063	Lt	30" PINE	1	
150+86.71	29.8406	Lt	28" TAMARACK	1	
152+65.74	26.1877	Lt	14" SPRUCE	1	
152+76.34	27.0706	Lt	14" SPRUCE	1	
155+71.72	31.4984	Rt	12" BIRCH BM 172	1	
155+83.87	31.1427	Rt	12" BIRCH CLUMP	1	
173+13.10	25.8674	Lt	14" STUMP	1	
173+23.36	25.857	Lt	12" STUMP	1	
212+15.81	43.2298	Rt	6" MAPLE CLUMP	0	***Non- Pay Item***
212+23.55	35.3213	Rt	5" MAPLE	0	***Non- Pay Item***
212+41.42	38.0757	Lt	4" CEDAR CLUMP	0	***Non- Pay Item***

Item No. 512.081- French Drain

Station	to	Station	Offset	Length (ft)
84+85.00		87+00.00	Lt	215.00

Item No. 606.230- Guardrail Type 3C Single Rail

Station	to	Station	Offset	# of Pieces
7+35.80		9+77.10	Rt	19

Item No. 606.265- Terminal End, Single Rail Galv Steel

Station	Offset	Quantity
215+46.25	Rt	1
215+43.53	Lt	1

Item No. 606.1721- Bridge Transition Type I

Station	to	Station	Offset
215+43.53		215+66.01	Lt
215+46.25		215+66.17	Rt

Item No. 606.231- Guardrail Type 3C Single Rail- 15' Radius or Less

Station	Offset	Quantity
8+12.72	Lt	1
9+99.44	Lt	1
215+45.53	Rt	1
215+46.25	Lt	1

Item No. 606.353- Reflectorized Flexible Guardrail Marker

Station	Offset	Quant.
6+98.00	Rt	2
8+12.72	Lt	2
9+99.44	Lt	2
10+16.00	Rt	2
215+43.53	Lt	2
215+46.25	Rt	2

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither/K.Merlin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CONSTRUCTION NOTES

SHEET NUMBER

13

OF 329

Filename: ...\013_Construction Notes 2 items.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

CONSTRUCTION NOTES (3)

Item No. 606.356- Underdrain Delineator Post

Station	Offset	Desc	Quant.
18+50.00	Rt	Underdrain Outlet	1
20+50.00	Lt	Underdrain Outlet	1
21+18.92	Lt	Curb Type 3 End	1
22+99.97	Lt	Curb Type 3 End	1
24+55.00	Lt	Underdrain Outlet	1
33+00.00	Rt	Underdrain Outlet	1
33+40.00	Rt	Curb Type 3 End	1
37+20.00	Rt	Curb Type 3 End	1
53+30.00	Lt	Underdrain Outlet	1
53+66.22	Lt	Curb Type 3 End	1
56+50.00	Lt	Curb Type 3 End	1
56+65.50	Lt	Underdrain Outlet	1
61+00.00	Rt	Curb Type 3 End	1
65+00.00	Rt	Curb Type 3 End	1
71+82.53	Rt	Curb Type 3 End	1
75+26.02	Rt	Curb Type 3 End	1
88+70.00	Lt	Underdrain Outlet	1
89+19.45	Lt	Curb Type 3 End	1
93+49.98	Lt	Curb Type 3 End	1
94+74.00	Lt	Underdrain Outlet	1
95+00.00	Lt	Curb Type 3 End	1
100+23.71	Lt	Curb Type 3 End	1
100+85.00	Lt	Underdrain Outlet	1
106+54.14	Rt	Curb Type 3 End	1
106+94.92	Rt	Curb Type 3 End	1
107+20.65	Rt	Curb Type 3 End	1
109+00.00	Lt	Curb Type 3 End	1
112+71.50	Lt	Curb Type 3 End	1
141+46.21	Lt	Curb Type 3 End	1
142+50.00	Lt	Curb Type 3 End	1
142+70.00	Lt	Underdrain Outlet	1
146+21.50	Rt	Underdrain Outlet	1
146+50.00	Rt	Curb Type 3 End	1
148+50.00	Rt	Curb Type 3 End	1
163+70.00	Rt	Underdrain Outlet	1
163+76.74	Lt	Underdrain Outlet	1
211+52.96	Lt	Curb Type 3 End	1
212+18.62	Rt	Curb Type 3 End	1
212+56.69	Lt	Curb Type 3 End	1
212+98.36	Lt	Curb Type 3 End	1
215+63.07	Rt	Curb Type 3 End	1
215+63.68	Lt	Curb Type 3 End	1
300+79.78	Rt	Curb Type 3 End	1
600+10.00	Lt	Underdrain Outlet	1
600+48.00	Lt	Curb Type 3 End	1
600+50.00	Rt	Underdrain Outlet	1
600+85.21	Rt	Curb Type 3 End	1

Item No. 606.358- Modify Guardrail- Type 3B to 3C

Station	to	Station	Offset	# of Pieces
8+28.00		9+87.60	Lt	12

Item No. 606.79- Guardrail 350 Flared Terminal

Station	to	Station	Offset	Quant.
6+98.00		7+35.80	Rt	1
9+77.10		10+16.00	Rt	1

Item No. 609.31- Bituminous Curb, Type 3

Start Station	End Station	Offset	Length	Mold #	
21+18.92	21+58.21	Lt	39.29	3	*
22+00.21	22+30.67	Lt	30.46	3	*
22+72.67	22+99.97	Lt	27.30	3	*
33+40.00	34+64.01	Rt	124.01	3	
34+93.34	35+37.39	Rt	44.05	3	
35+65.91	37+20.00	Rt	154.09	3	
53+66.22	55+07.58	Lt	141.36	3	
55+32.95	56+50.00	Lt	117.05	3	
61+00.00	62+99.56	Rt	199.56	3	
63+24.08	65+00.00	Rt	175.92	3	
71+82.53	74+13.43	Rt	230.90	3	
74+35.35	75+26.02	Rt	90.67	3	
89+19.45	91+42.07	Lt	222.62	3	
91+62.07	93+49.98	Lt	187.91	3	
95+00.00	100+23.71	Lt	523.71	3	
106+94.92	107+20.65	Rt	25.73	3	*
109+00.00	110+48.27	Lt	148.27	3	
110+80.94	111+59.13	Lt	78.19	3	
111+85.00	112+71.50	Lt	86.50	3	
141+46.21	141+77.42	Lt	31.21	3	
141+98.99	142+50.00	Lt	51.01	3	
146+50.00	147+01.41	Rt	51.41	3	
147+34.38	148+50.00	Rt	115.62	3	
212+18.62	213+47.41	Rt	128.79	2	
213+67.41	214+70.25	Rt	102.84	2	
214+91.87	215+07.37	Rt	15.50	2	
215+29.23	215+63.07	Rt	33.84	2	**
212+98.36	213+50.28	Lt	51.92	2	*
213+92.40	215+17.58	Lt	125.18	2	
215+42.04	215+63.68	Lt	21.64	2	**
212+56.69	600+48.00	Lt	134.46	2	
211+52.96	600+85.21	Lt	114.62	2	
300+79.78	106+54.14	Rt	261.30	3	

* 4' Paved Island

** Transition Curb to match Bridge, as Directed by the Resident

Item No. 610.08- Riprap

For Underdrain Outlets and Option 1 Pipe Outlets

Station	Offset	
9+84.50	35.00	Lt
18+50.00	25.00	Rt
20+50.00	25.00	Lt
24+55.00	25.30	Lt
33+00.00	24.94	Rt
53+30.00	26.40	Lt
56+65.50	25.19	Lt
79+50.00	44.50	Rt
88+70.00	24.66	Lt
94+74.00	28.00	Lt
100+85.00	28.30	Lt
142+70.00	25.27	Lt
146+21.50	33.35	Rt
600+10.00	20.00	Lt
600+50.00	22.83	Rt
102+80.70	both inlet and outlet	
104+20.41	both inlet and outlet	
108+10.48	both inlet and outlet	

For Option III Inlets and Outlets

Station	Offset	Inlet/Outlet
26+78.87	Rt	Outlet
27+12.30	Lt	Inlet
50+20.00	Rt	Outlet
50+43.10	Lt	Inlet
57+81.40	Rt	Outlet
57+82.28	Lt	Inlet
65+20.00	Rt	Outlet
67+16.40	Rt	Outlet
67+18.60	Lt	Inlet
79+50.00	Rt	Outlet
84+74.70	Rt	Outlet
94+10.00	Rt	Outlet
101+05.48	Rt	Outlet
101+08.50	Lt	Inlet
108+63.30	Rt	Outlet
128+99.75	Rt	Outlet
129+03.00	Lt	Inlet
144+75.00	Rt	Outlet
300+25.00	Rt	Outlet
400+98.06	Lt	Inlet
401+01.70	Lt	Outlet
1201+32.00	Lt	Outlet

Riprap Downspouts

Station	Offset
20+75.00	Lt
33+25.00	Rt
75+50.00	Rt
88+75.00	Rt
94+75.00	Lt
100+65.00	Lt
146+25.00	Rt

Item No. 610.15- Remove and Reset Riprap

Station	to	Station	Offset
189+00.00		210+50.00	Rt
191+58.00		193+38.00	Lt
202+07.00		204+15.00	Lt
206+05.00		211+34.00	Lt
500+04.00	Culvert Inlet		Rt
500+45.00	Culvert Outlet		Lt

Item No. 610.16- Heavy Riprap

Station	Offset
79+29.00	Lt
94+22.25	Lt
144+57.00	Lt

Item No. 610.161- Extra Heavy Riprap

Station	Offset	
79+50.00	Rt	*
94+10.00	Rt	*
144+75.00	Rt	*

* Includes Key-In

Item No. 610.18- Stone Ditch Protection

Station	to	Station	Offset
109+70.00		114+00.00	Rt
113+00.00		123+00.00	Lt
150+00.00		173+00.00	Rt
150+50.00		172+50.00	Lt
189+80.00		191+60.00	Lt
193+38.00		202+07.00	Lt
205+04.00		206+05.00	Lt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bilner \ E.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CONSTRUCTION NOTES

SHEET NUMBER

14

OF 329

Filename: ...\014_Construction Notes 3 items.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

CONSTRUCTION NOTES (4)

Item No. 613.319- Erosion Control Blanket

Station	to	Station	Offset
10+35.00		20+50.00	Lt
10+50.00		18+50.00	Rt
24+00.00		33+00.00	Rt
23+85.00		49+00.00	Lt
37+50.00		38+45.00	Rt
40+72.00		48+70.00	Rt
55+00.00		57+00.00	Rt
56+65.00		57+12.00	Lt
58+46.00		84+75.00	Lt
59+25.00		61+00.00	Rt
65+25.00		70+42.00	Rt
87+30.00		88+70.00	Lt
90+00.00		91+75.00	Rt
94+50.00		97+70.00	Rt
94+50.00		94+75.00	Lt
101+15.00		108+55.00	Lt
109+50.00		109+70.00	Rt
123+00.00		133+50.00	Lt
129+05.00		133+00.00	Rt
142+10.00		143+35.00	Rt
142+75.00		144+35.00	Lt
144+80.00		145+00.00	Lt
173+00.00		189+00.00	Rt
173+00.00		191+50.00	Lt

Item No. 613.40- Turf Reinforcement Mat

Station	Offset
79+50.00	Rt
85+00.00	Lt
215+50.00	Lt

Item No. 615.081- Compost Blanket

Station	Offset
79+50.00	Rt
85+00.00	Lt
215+50.00	Lt

Item No. 620.58- Erosion Control Geotextile
(Under all rock items)

Station	Offset	Description
18+50.00	Rt	UD/ Opt I
20+50.00	Lt	UD/ Opt I
20+75.00	Lt	dw spt
23+85.00	Lt	UD/ Opt I
26+78.87	Rt	Opt III Out
27+12.30	Lt	Opt III In
33+00.00	Rt	UD/ Opt I
33+25.00	Rt	dw spt
37+45.00	Rt	UD/ Opt I
50+20.00	Rt	Opt III Out
50+43.10	Lt	Opt III In
53+30.00	Lt	UD/ Opt I
56+65.50	Lt	UD/ Opt I
57+81.40	Rt	Opt III Out
57+82.28	Lt	Opt III In
65+20.00	Rt	UD/ Opt I
67+16.40	Rt	Opt III Out
67+18.60	Lt	Opt III In
75+50.00	Rt	dw spt
79+25.00	Lt	Inlet
79+70.00	Rt	Outlet
84+74.70	Rt	Opt III Out
87+32.00	Lt	UD/ Opt I
88+70.00	Lt	UD/ Opt I
88+75.00	Rt	dw spt
94+00.00	Rt	Outlet
94+25.00	Lt	Inlet
94+74.00	Lt	UD/ Opt I
94+75.00	Lt	dw spt
100+65.00	Lt	dw spt
100+85.00	Lt	UD/ Opt I
101+05.48	Rt	Opt III Out
101+08.50	Lt	Opt III In
102+80.70	both	UD/ Opt I
104+20.41	both	UD/ Opt I
108+10.48	both	UD/ Opt I
108+63.30	Rt	Opt III Out
128+99.75	Rt	Opt III Out
129+03.00	Lt	Opt III In
141+15.66	Lt	UD/ Opt I
142+70.00	Lt	UD/ Opt I
144+50.00	Lt	Inlet
145+25.00	Rt	Outlet
146+21.50	Rt	UD/ Opt I
146+25.00	Rt	dw spt
300+42.00	Rt	UD/ Opt I
400+98.06	Lt	Opt III In
401+01.70	Rt	Opt III Out
600+10.00	Lt	UD/ Opt I
600+50.00	Rt	UD/ Opt I
1201+32.00	Rt	Opt III Out

Item No. 620.58- Erosion Control Geotextile (cont.)

Station	to	Station	Offset	Desc
109+70.00		114+50.00	Rt	Stone Ditch Pro
113+00.00		123+00.00	Lt	Stone Ditch Pro
150+00.00		173+00.00	Rt	Stone Ditch Pro
150+50.00		172+50.00	Lt	Stone Ditch Pro
189+25.00		210+50.00	Rt	Remove & Reset
189+80.00		191+60.00	Lt	Stone Ditch Pro
191+60.00		193+38.00	Lt	Remove & Reset
193+38.00		202+07.00	Lt	Stone Ditch Pro
202+07.00		204+15.00	Lt	Remove & Reset
205+04.00		206+05.00	Lt	Stone Ditch Pro
206+05.00		211+34.00	Lt	Remove & Reset
500+04.00			Rt	Remove & Reset
500+45.00			Lt	Remove & Reset

Item No. 620.72- Erosion Contol Socks

Station	Desc.
1200+44.20	Slope
1200+64.52	Slope
1200+81.40	Slope
1200+98.85	Slope

Item No.	627.733 4" White or Yellow Painted Pavement Marking Line
* Final striping will not commence until 10 days have elapsed from the completion of surface pavement and must be completed within 20 days of the completion of surface pavement. Unless otherwise directed, failure to comply will result in a Traffic Control Violation.	
* Once Construction is Complete, Maintenance of Traffic Control Devices (652.36) will not be paid while waiting to final stripe.	
* Once Construction is Complete, Liquidated Damages will not be charged while waiting to final stripe	

Item No.	627.78 4" Temporary Pavement Marking Line, White & Yellow
* Temporary center lines shall be painted on all matched pavement within one week.	
* Temporary edge lines shall be painted on all pavement layers within four weeks.	
* All temporary lines shall be painted prior to final striping.	
* Multilane sections, truck lanes, and milled surfaces must be striped daily on all matched pavement layers.	
* TOMs must be used on all pavement layers until temporary paint is applied.	
* TOMs will be removed before final striping.	
* TOM removal will be addressed in the Traffic Control Plan.	
* Only painted temporary line will be paid under this item. TOMs will be considered incidental to the contract	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-------	-------	-------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CONSTRUCTION NOTES

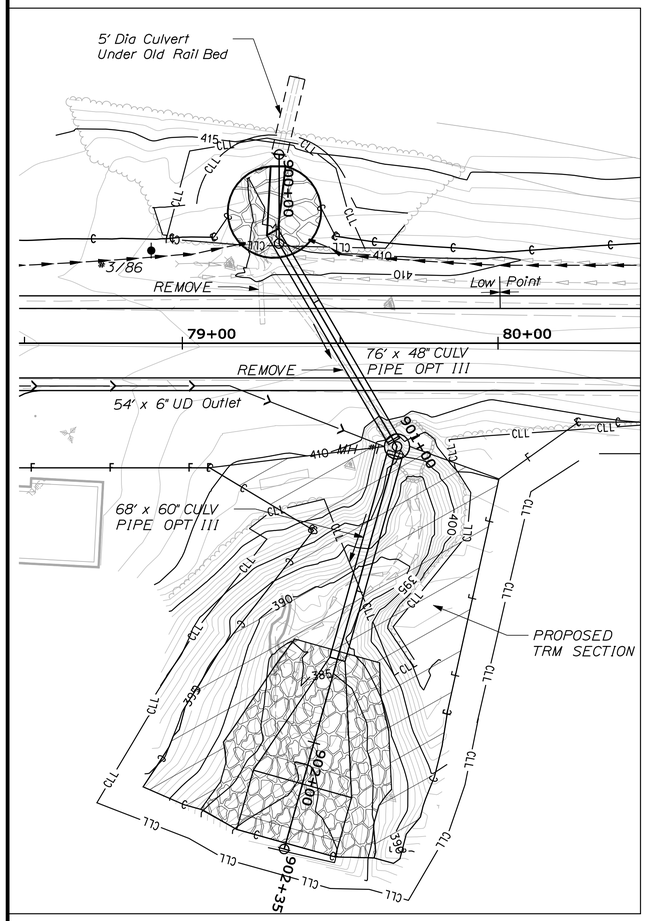
SHEET NUMBER

15

OF 329

Filename: ...\015_Construction Notes 4 items.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Detailed Culvert Design @ Sta. 79+50



CONSTRUCTION NOTES

1. TIME FRAME FOR WORK TO BE COMPLETED: ALL WORK AREAS REQUIRING HYDROSEEDING MUST BE COMPLETED NO LATER THEN AUGUST IST.

2. CONTINUED WATERING OF SURFACE AREA SHALL BE PERFORMED ON ALL AREAS WHERE HYDROSEED HAS BEEN APPLIED.

3. EROSION CONTROL GEOTEXTILE SHALL BE PLACED UNDER ALL RIPRAP. IT SHALL BE PLACED AS TO ENSURE NO RIPRAP WILL REST ON BARE SOIL.

4. WHERE POSSIBLE, SELECTIVELY CHOOSE LARGE FLAT BOTTOMED ROCKS TO REST BOTH INLET AND OUTLET SECTIONS OF THE PIPE ON.

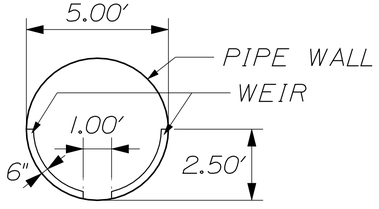
5. SEE CROSS SECTIONS SHEETS 281-287 FOR OUTLET DETENTION POND CONSTRUCTION.

6. SEE 'TRM TIE-IN DETAIL' ON PAGE 20 FOR FURTHER CONSTRUCTION NOTES RELATED TO THE TRM INSTALLATION

7. WEIRS SHALL BE REQUIRED ON THE 22% SLOPED PIPE. WEIRS SHALL BE PLACED EVERY 10' ALONG THE ENTIRE LENGTH OF THE 68' PIPE (6 WEIRS TOTAL) STARTING WITH THE FIRST WEIR 5' FROM THE INLET OF THE PIPE. REFER TO THE CHART DIMENSIONS BELOW. WEIRS SHALL BE CONSIDERED INCIDENTAL TO THE PIPE

WEIR STATIONING

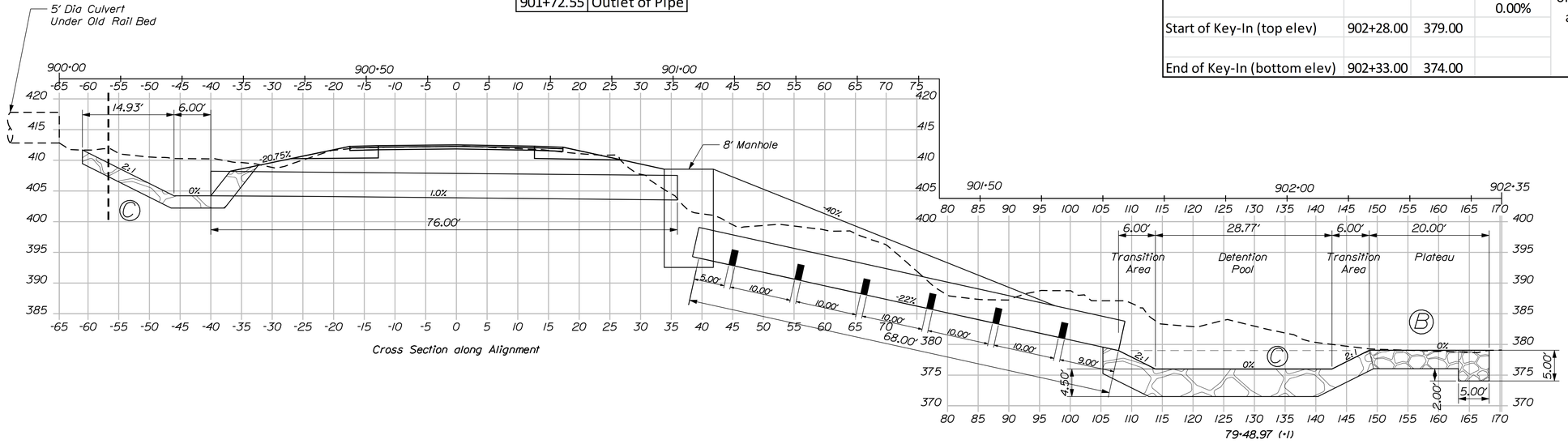
Station	Description
901+04.14	Inlet of Pipe
901+09.07	Weir #1
901+19.81	Weir #2
901+30.56	Weir #3
901+41.30	Weir #4
901+52.04	Weir #5
901+62.78	Weir #6
901+72.55	Outlet of Pipe



Riprap Schedule

Label	Description	Rock Size (lbs)	Pay Item
A	Regular Plain Riprap	10 lb to 200 lb (50% ≤ 50 lb)	610.08
B	Heavy Riprap	minimum 500 lb (50% ≤ 1,000 lb)	610.16
C	Special Riprap	minimum 2,000 lb (50% ≤ 2,500 lb)	610.163

Description	Station	Elevation	Grade	NOTES
Inlet of 4' Dia Pipe	900+24.70	404.21		
Mid-way	900+62.70	403.90	1.00%	
Outlet of 4' Dia Pipe	901+00.70	403.53		Outlet at top of Manhole
Top of Manhole	901+02.55	408.55		8' Dia manhole, 16' deep
Bottom of Manhole	901+02.55	392.55		
Inlet of 5' Dia Pipe	901+04.20	394.00		Inlet at bottom of manhole
Mid-way	901+38.40	386.53	22.00%	
Outlet of 5' Dia Pipe	901+72.55	379.00		Outlet into designed riprap outlet structure
Top of Transition #1	901+72.55	379.00		This engineered riprap detention pond has been designed to dissipate the energy that has been calculated. Any re-design of this area should be pre-approved by MaineDOT Hydrologic Staff.
Start of Detention Pond	901+78.55	376.00	-50.00%	
End of Detention Pond	902+07.32	376.00	0.00%	
Top of Transition #2	902+13.40	379.00	50.00%	
Start of Key-In (top elev)	902+28.00	379.00	0.00%	
End of Key-In (bottom elev)	902+33.00	374.00		



Cross Section along Alignment

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bittner/K.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

SPECIAL DETAIL @ 79+50

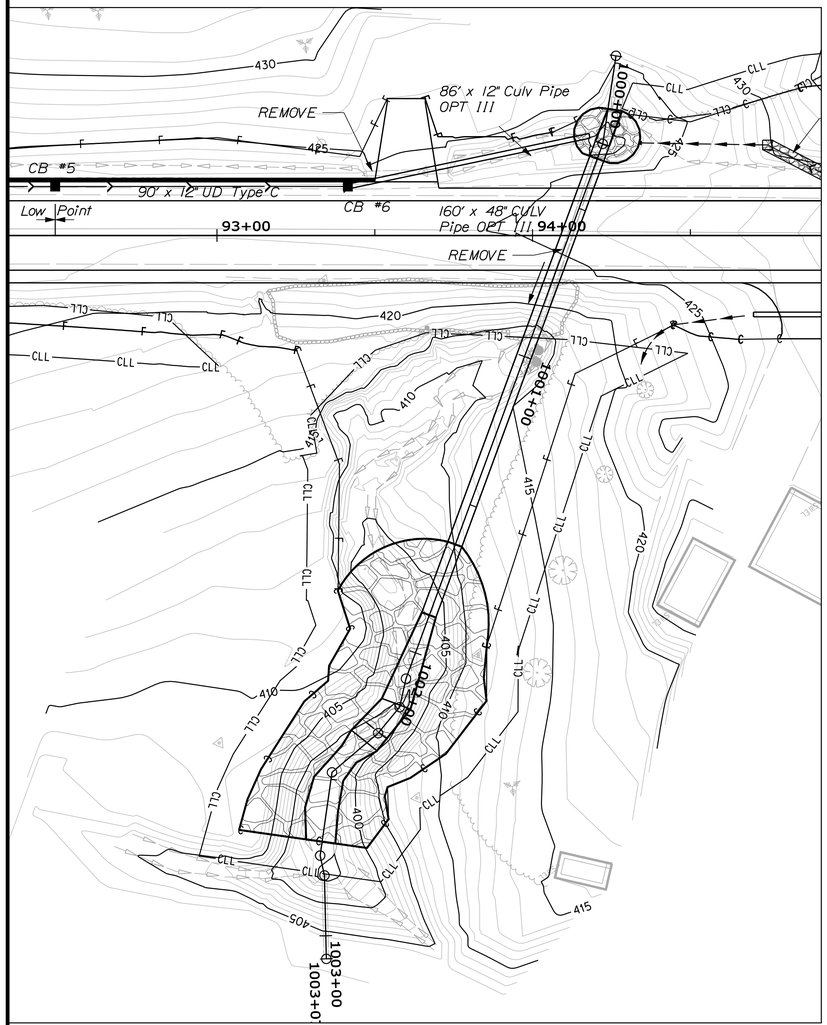
SHEET NUMBER

16

OF 329

Filename: ...\016_Typical Culvert Detail 79+50.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/17/2015

Detailed Culvert Design @ 94+10



Riprap Schedule			
Label	Description	Rock Size (lbs)	Pay Item
A	Regular Plain Riprap	10 lb to 200 lb (50% ≤ 50 lb)	610.08
B	Heavy Riprap	minimum 500 lb (50% ≤ 1,000 lb)	610.16
C	Special Riprap	minimum 2,000 lb (50% ≤ 2,500 lb)	610.163

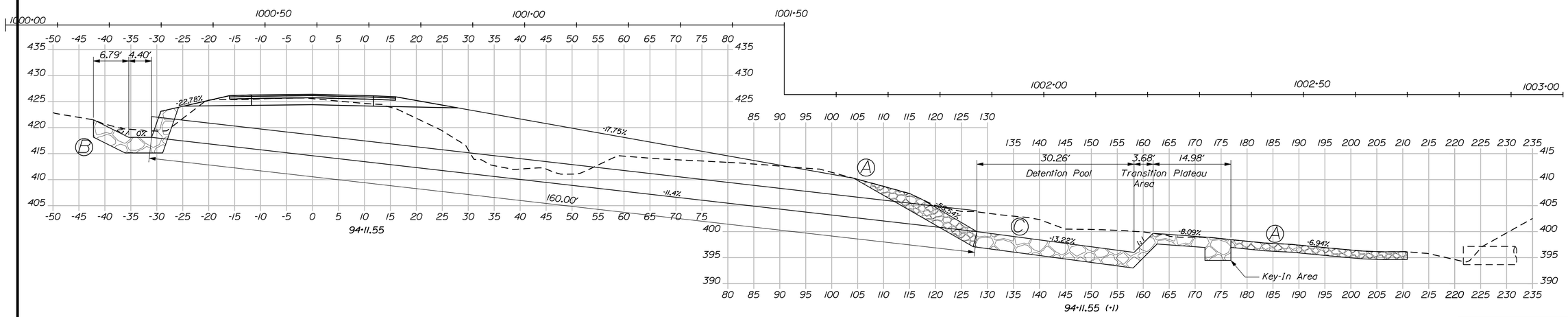
Description	Station	Elevation	Grade	NOTES
Inlet of 4' Dia Pipe	1000+28.14	418.12		
Mid-way	1001+07.63	409.06	-11.40%	
Outlet of 4' Dia Pipe	1001+87.10	400.00		
Start of Detention Pond	1001+87.10	400.00		This engineered riprap detention pond has been designed to dissipate the energy that has been calculated. Any re-design of this area should be pre-approved by MaineDOT Hydrologic Staff.
End of Detention Pond	1002+17.37	396.00		
Top of Transition	1002+21.05	399.68		
Start of Key-In (top elev)	1002+31.03	398.96		
End of Key-In (bottom elev)	1002+36.00	394.47		
End of Riprapped Channel	1002+70.00	396.10		

CONSTRUCTION NOTES

1. EROSION CONTROL GEOTEXTILE SHALL BE PLACED UNDER ALL RIPRAP. IT SHALL BE PLACED AS TO ENSURE NO RIPRAP WILL REST ON BARE SOIL.

2. WHERE POSSIBLE, SELECTIVELY CHOOSE LARGE FLAT BOTTOMED ROCKS TO REST BOTH INLET AND OUTLET SECTIONS OF THE PIPE ON.

3. SEE CROSS SECTIONS SHEETS 288-291 FOR OUTLET DETENTION POND CONSTRUCTION.



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither/K.Merrill	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

SPECIAL DETAIL @ 94+10

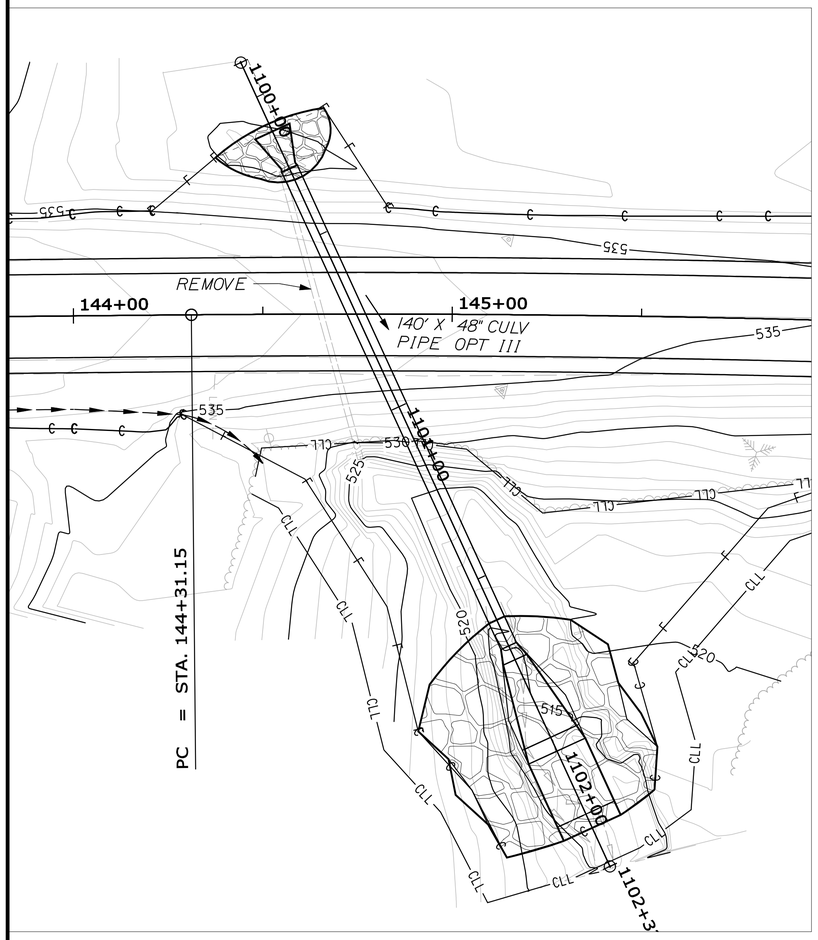
SHEET NUMBER

17

OF 329

Filename: ...\017_Typical Culvert Detail 94+10.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/17/2015

Detailed Culvert Design @ 144+75



Riprap Schedule			
Label	Description	Rock Size (lbs)	Pay Item
A	Regular Plain Riprap	10 lb to 200 lb (50% ≤ 50 lb)	610.08
B	Heavy Riprap	minimum 500 lb (50% ≤ 1,000 lb)	610.16
C	Special Riprap	minimum 2,000 lb (50% ≤ 2,500 lb)	610.163

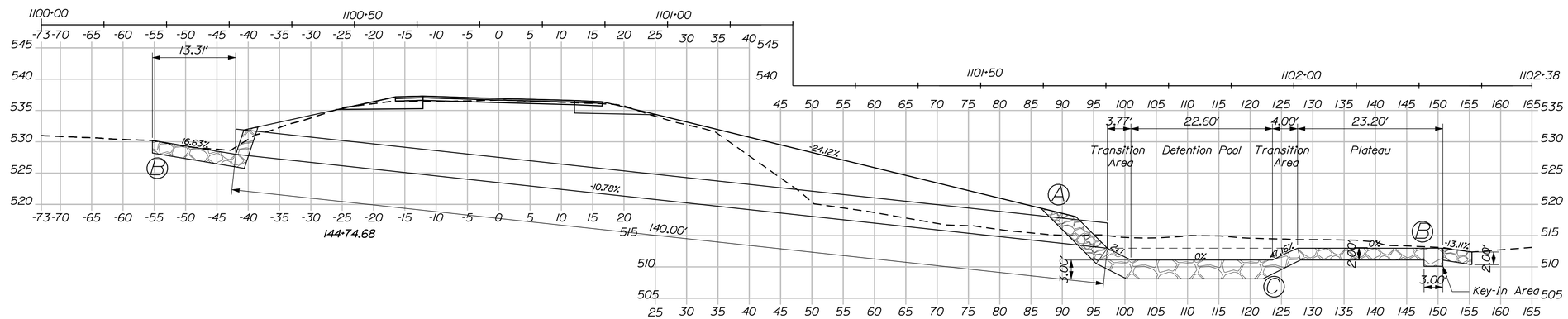
Description	Station	Elevation	Grade	NOTES
Inlet of 4' Dia Pipe	1100+31.00	528.00		
Mid-way	1101+00.64	520.50	-10.77%	
Outlet of 4' Dia Pipe	1101+70.23	513.00		
Top of Transition #1	1101+70.23	513.00		This engineered riprap detention pond has been designed to dissipate the energy that has been calculated. Any re-design of this area should be pre-approved by MaineDOT Hydrologic Staff.
			-53.05%	
Start of Detention Pond	1101+74.00	511.00		
			0.00%	
End of Detention Pond	1101+96.60	511.00		
			50.00%	
Top of Transition #2	1102+00.60	513.00		
			0.00%	
Start of Key-In (top elev)	1102+20.80	513.00		
End of Key-In (bottom elev)	1002+23.80	510.00		
End of Riprapped Channel	1002+28.45	512.40		

CONSTRUCTION NOTES

1. EROSION CONTROL GEOTEXTILE SHALL BE PLACED UNDER ALL RIPRAP. IT SHALL BE PLACED AS TO ENSURE NO RIPRAP WILL REST ON BARE SOIL.

2. SEE CROSS SECTIONS SHEETS 292-294 FOR OUTLET DETENTION POND CONSTRUCTION.

3. WHERE POSSIBLE, SELECTIVELY CHOOSE LARGE FLAT BOTTOMED ROCKS TO REST BOTH INLET AND OUTLET SECTIONS OF THE PIPE



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither\E.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-------	-------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

SPECIAL DETAIL @ 144+75

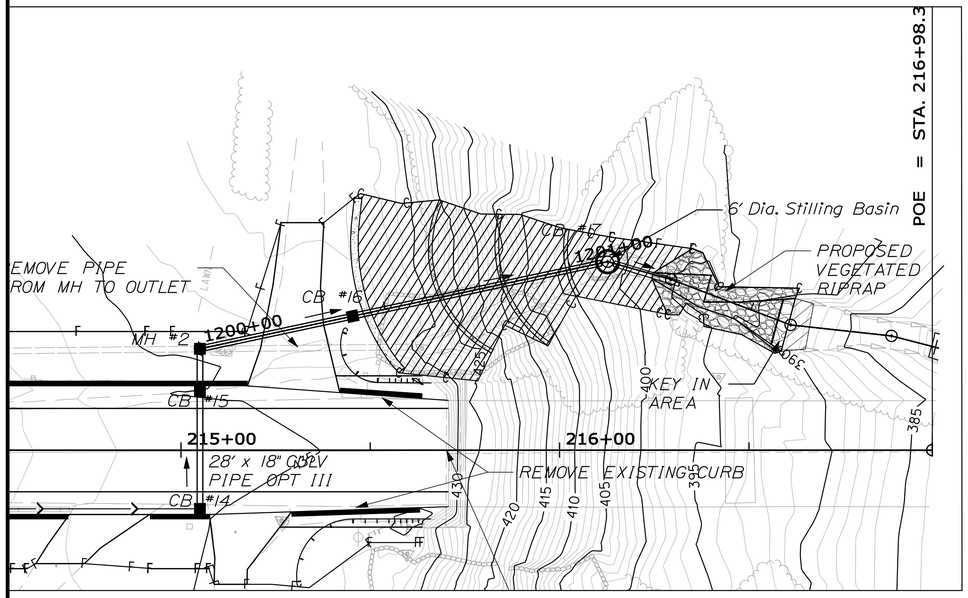
SHEET NUMBER

18

OF 329

Filename: ...\018_Typical Culvert Detail 144+75.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/17/2015

Detailed Drainage Design @ Sta. 215+05, Left (Sta. 1200+00 to 1202+00)



CONSTRUCTION NOTES

1. TIME FRAME FOR WORK TO BE COMPLETED: ALL WORK REQUIRED TO BE COMPLETED IN ORDER TO HYDROSEED THIS AREA MUST BE COMPLETED NO LATER THEN AUGUST IST.

2. CONTINUED WATERING OF AREA SHALL BE REQUIRED ON ALL AREAS WHERE HYDROSEED HAS BEEN APPLIED.

3. EROSION CONTROL GEOTEXTILE SHALL BE PLACED UNDER ALL RIPRAP. IT SHALL BE PLACED AS TO ENSURE NO RIPRAP WILL REST ON BARE SOIL.

4. SEE CROSS SECTIONS SHEETS 295-298 FOR GENERAL SITE DETAILS AND OUTLET CHANNEL PROTECTION CONSTRUCTION DETAILS.

5. EROSION CONTROL SOCKS SHALL BE INSTALLED ACCORDING TO PLANS AND SECTIONS, STAKING OF SOCKS LONGITUDINALLY SHALL BE DONE ACCORDING TO SPEC.

6. EROSION CONTROL SOCKS SHALL BE PLACED OVER TURF REINFORCMENT MAT, STAKING THROUGH TRM AND EROSION CONTROL SOCK INTO PROPOSED GROUND SURFACE

7. ALL RIPRAP SHALL BE VEGETATED WITH 4" OF COMPOST AND HYDROMULCH GROWTH MEDIUM

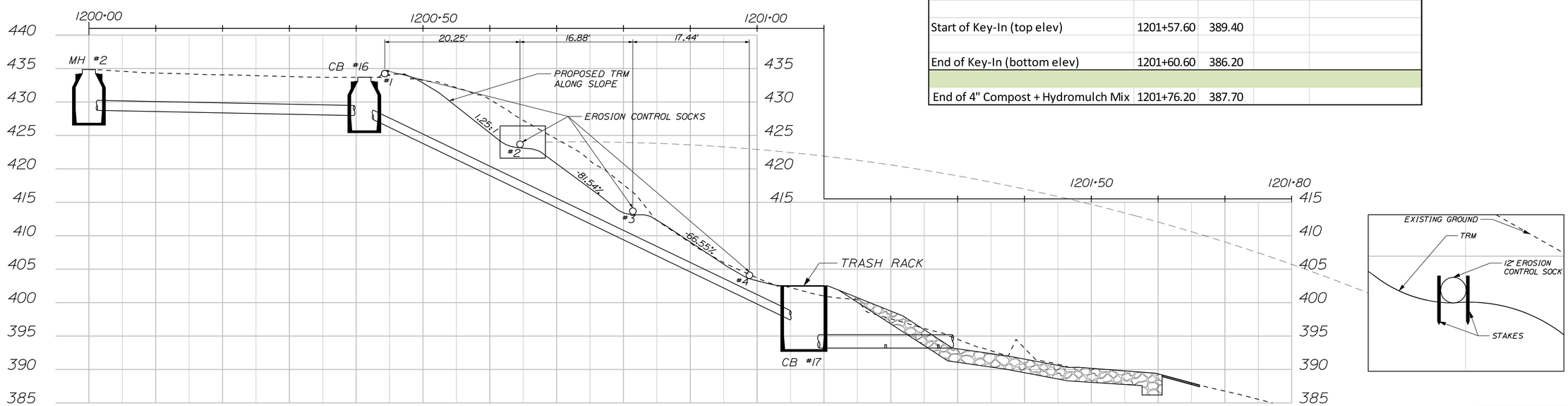
8. TRASH RACK SHALL BE CORROSION RESISTANT GREY CAST IRON OR APPROVED EQUAL. TRASH RACK SHALL BE CONSIDERED INCIDENTAIL TO CATCH BASIN.

9. SEE 'TRM TIE-IN DETAIL' ON PAGE 20 FOR FURTHER CONSTRUCTION NOTES RELATED TO THE TRM INSTALLATION

Description	Station	Elevation	Grade	NOTES
CB #14 18" Pipe Outlet Invert	1200+00.00	428.75		
			2.00%	
CB #15 18" Pipe Inlet Invert	1200+41.22	427.98		
CB #15 18" Pipe outlet Invert	1200+41.22	427.50		
			-48.00%	
Stilling Basin 18" Pipe Inlet Invert	1201+05.00	397.40		6' Diameter Tub
				with 4" Square
Stilling Basin 18" Pipe Outlet Invert	1201+09.25	393.20		Mesh Trash Grate
			0.00%	
18" Pipe Outlet into Riprap	1201+29.25	393.20		
Start of Key-In (top elev)	1201+57.60	389.40		
End of Key-In (bottom elev)	1201+60.60	386.20		
End of 4" Compost + Hydromulch Mix	1201+76.20	387.70		

EROSION CONTROL SOCKS

Sock #	Station	Elevation
1	1200+44.28	433.78
2	1200+64.52	423.17
3	1200+81.40	413.17
4	1200+98.85	403.60



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither\E.Martin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

SPECIAL DETAIL @
Aroostook River Bridge

SHEET NUMBER

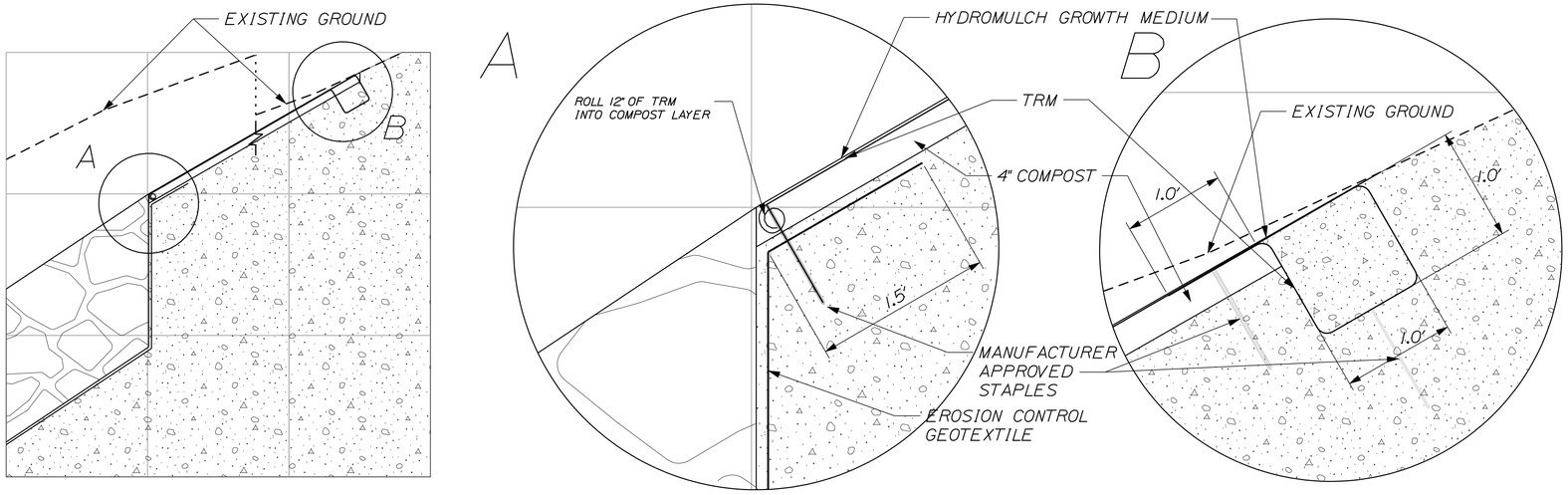
19

OF 329

Filename: ...\019_TypicalAroostook Bridge.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/17/2015

Filename: ...\020_TRM and Cellar Drain Detail.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

TURF REINFORCEMENT MAT TIE-IN DETAIL



NOTES

1. TURF REINFORCMENT MAT (TRM) SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS, ACCORDING TO PLAN AND CROSS SECTION DIMENSIONS, AS DIRECTED BY THE RESIDENT

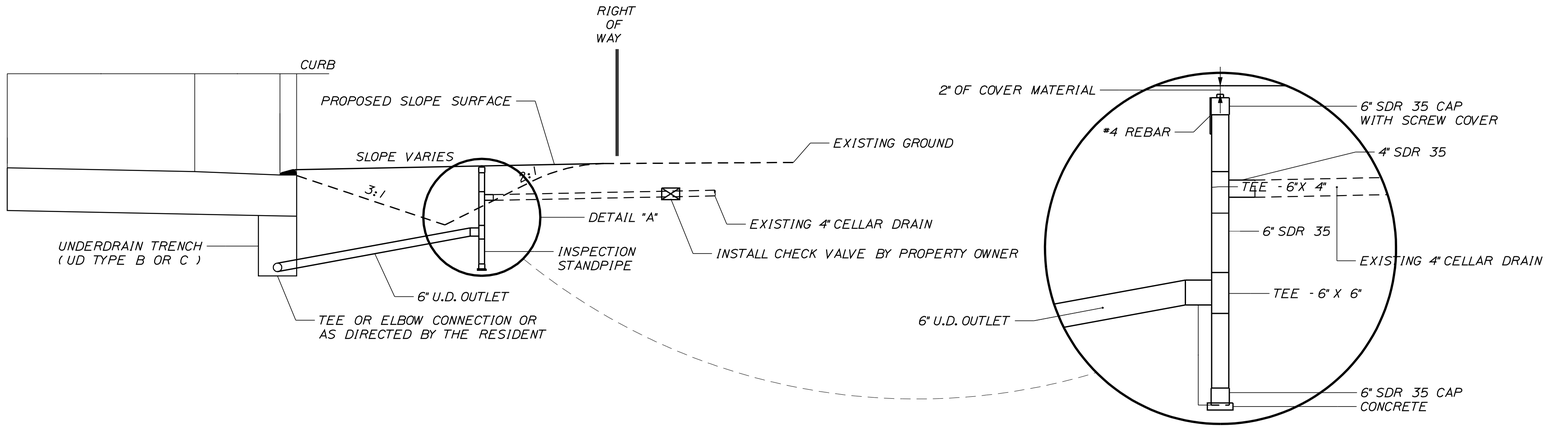
2. FOLLOW MANUFACTURERS SPECIFICATIONS ON STAPLE LENGTHS AND SPACING REQUIREMENTS

3. WHERE TRM IN INSTALLED ALONG EDGE OF RIPRAP, ROLL TRM A MINIMUM OF 1' UNDER TO SECURE MAT IN COMPOST LAYER (REFER TO DETAIL 'A')

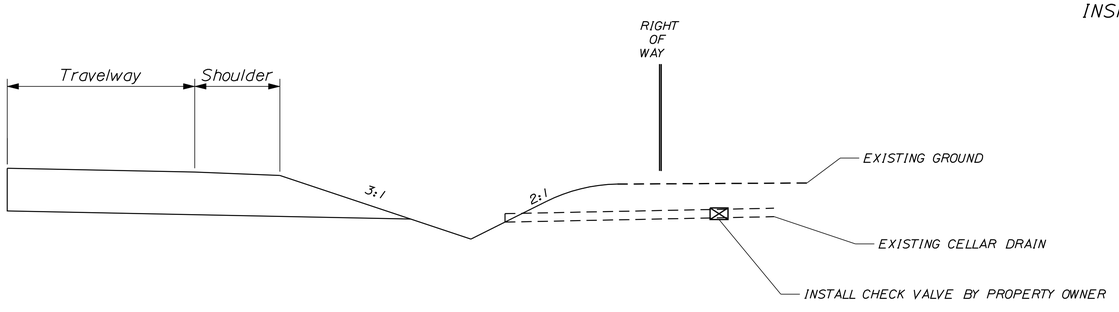
4. EROSION CONTROL GEOTEXTILE SHALL BE INSTALLED BELOW THE COMPOST LAYER, A MINIMUM OF 1.5' IN WIDTH

5. WHEN TIEING IN TRM AT THE TOP OF A SLOPE; CONTRACTOR SHALL MAKE A 1' SQUARE BOX WRAP-AROUND TIE IN, SHOWN IN DETAIL 'B'

CELLAR DRAIN CONNECTION DETAILS



DETAIL "A"
INSPECTION STANDPIPE



KNOWN LOCATIONS

STATION	OFFSET	DESCRIPTION
148+00.00	Left	Ditch Section

NOTES

1. PAYMENT FOR CONNECTION FROM THE INSPECTION STANDPIPE TO THE PROPOSED UNDERDRAIN SYSTEM SHALL BE A 150mm UNDERDRAIN OUTLET, ITEM NO. 605.10, OR AS DIRECTED BY THE RESIDENT.

2. INSPECTION STANDPIPE SHALL HAVE A SOLID COVER AND BE INSTALLED WITHIN THE STATE'S RIGHT OF WAY.

3. A CHECK VALVE TO PREVENT BACK FLOW TO PROPERTY MAY BE INSTALLED. CHECK VALVE SHOULD BE INSTALLED AT THE UPSTREAM SIDE OF THE CATCH BASIN AND OUTSIDE OF THE STATE'S RIGHT OF WAY. INSTALLATION OF CHECK VALVE SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER

4. PAYMENT FOR CONNECTION OF THE EXISTING CELLAR DRAIN TO THE INSPECTIONSTANDPIPE SHALL BE INCIDENTAL TO THE ITEM NO. 801.141 OR 801.16.

5. THE STATION LOCATIONS MAY BE CHANGED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE RESIDENT.

6. A 3' LENGTH OF #4 REBAR SHALL BE PLACED ADJACENT TO STANDPIPE AND FLUSH WITH CAP. INSTALLATIONOF THE REBAR SHALL BE INCIDENTAL TO ITEM NO. 801.141 OR 801.16.

7. INVERTS AND SLOPES OF PIPES SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT IN THE FIELD

NOTES

1. A CHECK VALVE TO PREVENT BACK FLOW TO PROPERTY MAY BE INSTALLED. CHECK VALVE SHOULD BE INSTALLED AT THE UPSTREAM SIDE OF THE CATCH BASIN AND OUTSIDE OF THE STATE'S RIGHT OF WAY. INSTALLATION OF OPTIONAL CHECK VALVE SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

2. PAYMENT FOR CONNECTION FROM EXISTING CELLAR DRAIN TO DRAINAGE DITCHSHALL BE 6" UNDERDRAIN OUTLET PIPE, ITEM NO. 605.10, OR AS DIRECTED BY THE RESIDENT.

3. THE STATION LOCATIONS MAY BE CHANGED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE RESIDENT.

4. INVERTS AND SLOPES OF PIPES SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT IN THE FIELD

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither \ E.Martin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

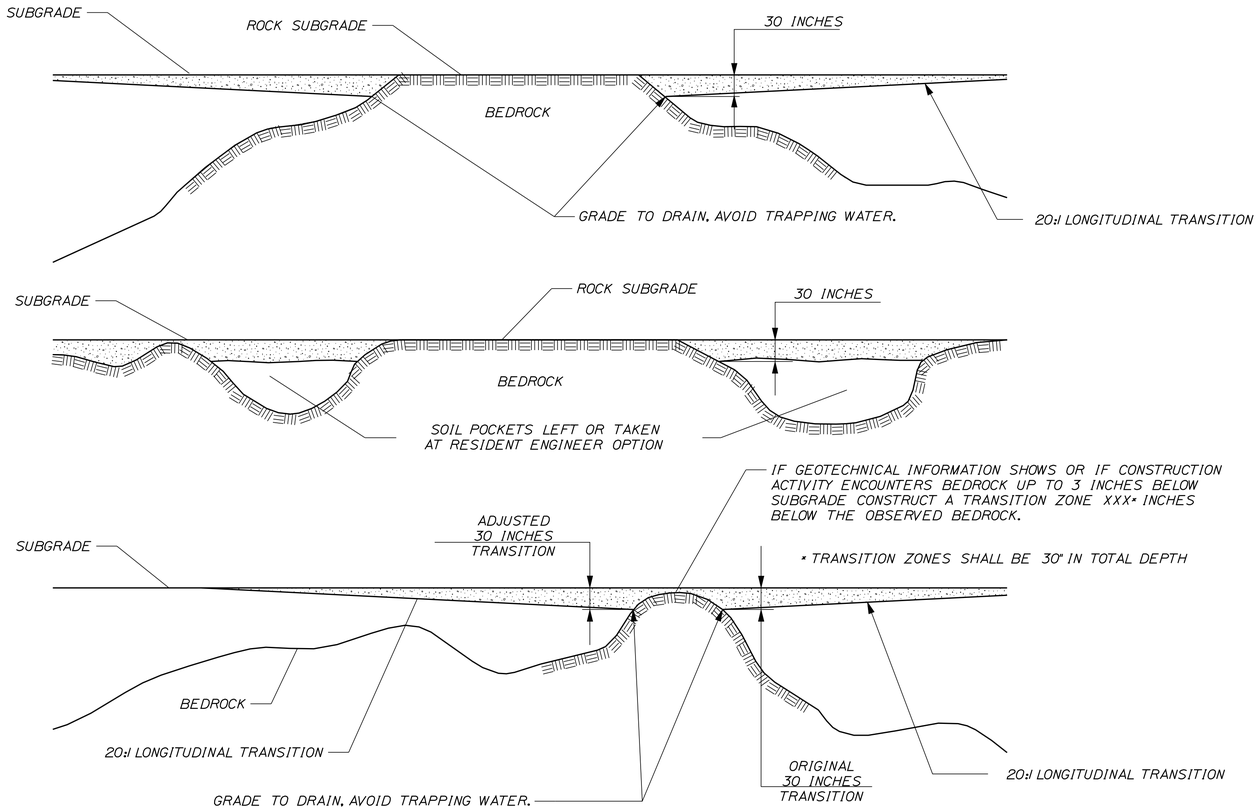
TRM DETAILS & CELLAR DRAIN

SHEET NUMBER

20

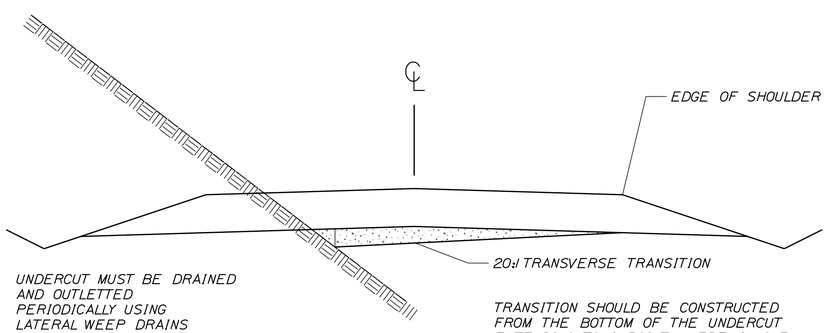
OF 329

PROFILE OF UNDERCUT OF FROST SUSCEPTIBLE SOILS OVER LEDGE



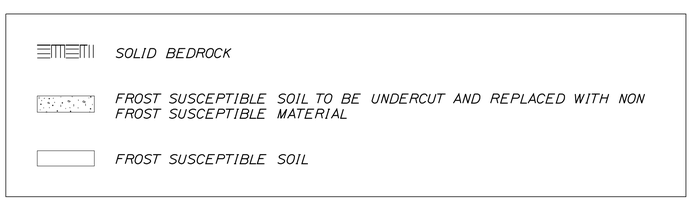
IF A SOIL SECTION BETWEEN LEDGE SUBGRADE IS OF SUCH LENGTH THAT THE TRANSITION FROM EACH EDGE WOULD MEET, IT SHOULD BE TREATED AS AN EARTH POCKET

TRANSVERSE UNDERCUT OF FROST SUSCEPTIBLE SOILS OVER LEDGE



UNDERCUT MUST BE DRAINED AND OUTLETTED PERIODICALLY USING LATERAL WEEP DRAINS

TRANSITION SHOULD BE CONSTRUCTED FROM THE BOTTOM OF THE UNDERCUT EXTENDING TO A POINT WHERE A LINE PROJECTED DOWNWARD FROM THE EDGE OF SHOULDER INTERCEPTS SUBGRADE



NOTES:

1. EXCAVATION OF THE TRANSITION ZONES SHALL BE PAID FOR AS COMMON EXCAVATION. THE CONTRACTOR SHALL REPLACE THE FROST SUSCEPTIBLE SOILS WITH GRAVEL BORROW AND SHALL BE PAID FOR UNDER THE GRAVEL BORROW PAY ITEM. 203.25

2. FOR POTENTIAL BEDROCK LOCATIONS, REFER TO THE BORING LOG SHEETS AND CROSS SECTIONS. ACTUAL BEDROCK LOCATIONS WILL VARY.

3. A COPY OF THE GEOTECHNICAL REPORT FOR THIS PROJECT CAN BE FOUND WITH THE PROJECT BID DOCUMENTS ON THE MAINE DEPARTMENT OF TRANSPORTATION WEBSITE OR BY CONTACTING THE PROJECT MANAGER.

4. ADDITIONAL AREAS OF LEDGE MAY BE ENCOUNTERED AND THE NEED FOR UNDERCUT SHOULD BE VERIFIED BY THE RESIDENT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\K.Martin		
DESIGN-DETAILED	N.COLLINS	-----	------
CHECKED-REVIEWED	-----	-----	------
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	------
DESIGN3-DETAILED3	-------	-------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

UNDERCUT OF FROST SUSCEPTIBLE SOILS OVER LEDGE

SHEET NUMBER

21

OF 329

Filename: ...\mslo\021_LedgeCut-Frost.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\msta\022_BORING LOGS1.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-101 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/4/07-10/4/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 17+53, 7.2' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger

Definitions:
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

Definitions:
WC = water content, percent
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		0.40 - 1.80			SSA	-0.40		PAVEMENT. 0.40	G#210126 A-1-b, GM WC=2.3%
	S2		1.80 - 5.00				-1.80		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). 1.80	G#210127 A-4, SM WC=19.7%
									Brown, moist, SILT, little fine to medium sand, trace gravel.	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-101

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-102 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/4/07-10/4/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 25+00, 7.5' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	S3		0.60 - 1.60			SSA	-0.40		PAVEMENT. 0.40	G#210128 A-2-4, SM WC=5.5%
							-0.60		Treated GRAVEL. 0.60	
							-1.90		Brown, damp, silty fine to coarse SAND, some gravel, (Fill). Cobble from 1.6-1.9' bgs. 1.90	
									Brown, moist, SILT, little fine to medium sand, trace gravel. ≅S2	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-102

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-103 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/4/07-10/4/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 45+03, 7.5' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.40		PAVEMENT. 0.40	
							-1.30		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S1 Cobble from 0.8-1.3' bgs. 1.30	
									Brown, moist, SILT, little fine to medium sand, trace gravel. ≅S2	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-103

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-104 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/4/07-10/4/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 55+00, 8.5' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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		PAVEMENT. 0.50	
							-0.60		Treated GRAVEL. 0.60	
	S4		1.30 - 4.20				-1.30		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S1 Cobble from 0.9-1.3' bgs. 1.30	G#210129 A-4, SM WC=7.0%
							-4.20		Brown, damp, dense, sandy SILT, little gravel, (Till). 4.20	
									Weathered ROCK.	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL, STOPPED IN ROCK.	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-104

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-105 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/9/07-10/9/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 70+02, 8.0' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.40		PAVEMENT. 0.40	
							-0.60		Treated GRAVEL. 0.60	
	S5		1.40 - 2.70				-1.40		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S1 Cobble from 0.8-1.4' bgs. 1.40	G#210130 A-4, SM WC=24.4%
	S6		2.70 - 5.00				-2.70		Brown, moist, sandy SILT, trace gravel. 2.70	G#210131 A-1-b, SM WC=9.0%
									Brown, damp, silty fine to medium SAND, little coarse sand, little gravel.	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-105

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CARI-301 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 2.25/6.25"
Operator: Giguere/Giles/Daggett	Datum: NAVD 88	Sampler: Off Flights
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"
Date Start/Finish: 6/12/12; 08:30-09:30	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location: 79+50, 13.0 Rt.	Casing ID/OD: N/A	Water Level*: 18.0 ft bgs.

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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		0.00 - 1.50			HSA			Brown, moist, gravelly, fine to coarse SAND, some silt.	
							-1.60		1.60	
5	1D	24/17	5.00 - 7.00	4/5/5/5	10				Brown, moist, loose, fine to coarse SAND, some silt, some gravel, little organics.	
10	2D	24/20	10.00 - 12.00	4/6/11/10	17		-10.00		10.00 Olive-brown, moist, medium dense, silty, fine to medium SAND, little gravel, occasional cobbles, (Till).	
15	3D	24/18	15.00 - 17.00	10/12/21/15	33				Similar to above, except dense.	
							-18.00		18.00	
20	4D	24/19	20.00 - 22.00	3/5/15/19	20				Brown, wet, medium dense, fine to medium SAND, some silt, some gravel.	
							-24.10		24.10 Bottom of Exploration at 24.10 feet below ground surface. REFUSAL	
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-CARI-301

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-106 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/9/07-10/9/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 80+03, 8.3' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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		0.70 - 2.80			SSA	-0.50		PAVEMENT. 0.50	G#210132 A-4, SM WC=9.6%
							-0.70		Treated GRAVEL. 0.70	
									Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill). Cobbles from 2.8-3.8' bgs.	
	S8		3.80 - 5.00				-3.80		3.80 Brown, moist, SILT, little fine sand, trace clay.	G#210133 A-4, ML WC=30.9%
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-106

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS	Project: Route 161 Location: Caribou, Maine	Boring No.: HB-CA-107 WIN: 12780.00

Driller: MaineDOT	Elevation (ft.)	Auger ID/OD: 5" Dia.
Operator: E. Giguere	Datum: NAVD 88	Sampler: Off Flights
Logged By: G. Lidstone	Rig Type: CME 45C	Hammer Wt./Fall: N/A
Date Start/Finish: 10/9/07-10/9/07	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location: 80+03, 13.0' Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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									Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill). ≅S7	
							-3.00		3.00 Brown, moist, SILT, little fine sand, trace clay. ≅S8	
5							-5.00		5.00 Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	
10										
15										
20										
25										

Remarks:
Offsets are from existing Roadway CL.

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-CA-107

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER J.Bither\E.Martin		BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161
BORING LOGS

SHEET NUMBER

22

OF 329

Filename: ...\msta\023_BORING LOGS2.dgn   Division: HIGHWAY   Username: natasha.m.collins   Date:3/4/2015

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-108 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	96+00, 9.0' Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger

Definitions:
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

Definitions:
WC = water content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Sample No.	Sample Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
				PAVEMENT. (0.50)	
S9	0.70 - 1.80	SSA	-0.50 / -0.70	Treated GRAVEL. (0.70)	G#210134 A-1-b, GM WC=4.9%
S10	1.80 - 7.50		-1.80	GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). (1.80)	
				Brown, damp, dense, sandy SILT, trace gravel. (7.50)	G#210135 A-4, ML WC=14.6%
S11	7.50 - 10.00		-7.50	Brown, moist, sandy SILT, trace gravel, trace clay. (10.00)	G#210136 A-4, CL-ML WC=14.8%
			-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-108

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-207 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	96+25, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Sample No.	Sample Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
				PAVEMENT. (0.42)	
S6	0.42 - 1.50	SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. (1.50)	G#240170 A-1-b, SM WC=5.6%
S7	1.50 - 6.50		-1.50	Brown, moist, silty fine to medium SAND, some gravel, (Till). (6.50)	G#240171 A-4, ML WC=12.5%
S8	6.50 - 10.00		-6.50	Light brown, wet, fine sandy-SILT. (10.00)	G#240172 A-4, ML WC=21.9%
			-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-207

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-208 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	96+50, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Casing Blows	Elevation (ft.)	Visual Description and Remarks
		PAVEMENT. (0.42)
SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (1.00)
	-1.00	Brown, wet, silty fine to medium SAND, some gravel, (Till). ≅S7 (6.30)
	-6.30	Light brown, wet, fine sandy-SILT. ≅S8 (10.00)
	-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-208

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-209 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	96+70, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Casing Blows	Elevation (ft.)	Visual Description and Remarks
		PAVEMENT. (0.42)
SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (2.00)
	-2.00	Brown, moist, silty fine to medium SAND, some gravel, (Till). ≅S7 (6.50)
	-6.50	Light brown, wet, fine sandy-SILT. ≅S8 (10.00)
	-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-209

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-210 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	96+90, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Casing Blows	Elevation (ft.)	Visual Description and Remarks
		PAVEMENT. (0.42)
SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (2.00)
	-2.00	Brown, wet, silty fine to medium SAND, some gravel, (Till). ≅S7 (6.00)
	-6.00	Light brown, wet, fine sandy-SILT. ≅S8 (10.00)
	-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-210

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-211 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	97+09, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Casing Blows	Elevation (ft.)	Visual Description and Remarks
		PAVEMENT. (0.42)
SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (1.90)
	-1.90	Brown, moist, silty fine to medium SAND, some gravel, (Till). ≅S7 (6.10)
	-6.10	Light brown, wet, fine sandy-SILT. ≅S8 (10.00)
	-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-211

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-212 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	97+50, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Sample No.	Sample Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
				PAVEMENT. (0.42)	
S9	0.42 - 1.40	SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (1.40)	G#240173 A-1-b, SM WC=4.2%
S10	1.40 - 10.00		-1.40	Brown, moist, silty fine to medium SAND, some gravel, (Till). ≅S7 (10.00)	G#240174 A-4, SM WC=13.8%
			-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-212

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-213 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/24/09-9/24/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	98+00, 8.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Casing Blows	Elevation (ft.)	Visual Description and Remarks
		PAVEMENT. (0.42)
SSA	-0.42	Brown, damp, gravelly, fine to medium SAND, some silt. ≅S6 (2.00)
	-2.00	Brown, dry, silty fine to medium SAND, some gravel, drier with depth (Till). ≅S7 (10.00)
	-10.00	Bottom of Exploration at 10.00 feet below ground surface. NO REFUSAL

Remarks:
Offsets are from existing Roadway CL.

Page 1 of 1 — Boring No.: HB-CAR-213

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1278(000)X
HIGHWAY PLANS
WIN 012780.00

	BY	DATE
PROJ. MANAGER	J.Bither\E.Martin	
DESIGN-DETAILED	N.COLLINS	J. HARDEN / JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE / MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE
P.E. NUMBER
DATE

CARIBOU
STATE ROUTE 161
BORING LOGS

SHEET NUMBER
23
OF 329

Filename: ...\msta\024_BORING LOGS3.dgn   Division: HIGHWAY   Username: natasha.m.collins   Date:3/4/2015

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-109 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	102+50, 7.5' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger

Definitions:
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

Definitions:
WC = water content, percent
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	-0.60		PAVEMENT. 0.60	
							-0.80		Treated GRAVEL. 0.80	
							-2.50		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S9 2.50	
							-3.70		Brown, moist, SILT, little fine sand, trace clay. ≅S8 3.70	
5							-5.00		Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Depth scale: 0, 5, 10, 15, 20, 25

Remarks:
Offsets are from existing Roadway CL.

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-CA-109

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-110 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	102+50, 12.5' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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									GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S9	
							-2.80		Cobble from 2.3-2.8' bgs. 2.80	
							-4.00		Brown, moist, SILT, little fine sand, trace clay. ≅S8 4.00	
5							-5.00		Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-110

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-111 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	115+00, 9.8' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.40		PAVEMENT. 0.40	
							-0.50		Unbound PAVEMENT. 0.50	
							-0.70		Treated GRAVEL. 0.70	
							-1.50		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S9 1.50	
							-2.70		Brown, damp, dense, sandy SILT, trace gravel. ≅S10 2.70	
5							-5.00		Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-111

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-214 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	121+00, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	S11		0.42 - 1.10			SSA	-0.42		PAVEMENT. 0.42	G#240175 A-1-a, SM WC=3.4%
	S12		1.10 - 4.20				-1.10		Brown, damp, gravelly, fine to medium SAND, some silt. 1.10	G#240076 A-1-b, SM WC=4.7%
							-4.20		Brown, moist, silty fine to medium SAND, little gravel, (Till). 4.20	
5							-4.70		Weathered ROCK. 4.70	
									Bottom of Exploration at 4.70 feet below ground surface. REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-214

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-215 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	121+60, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.42		PAVEMENT. 0.42	
							-0.90		Brown, damp, gravelly, fine to medium SAND, some silt. ≅S11 0.90	
							-6.80		Brown, moist, silty fine to medium SAND, little gravel, (Till). ≅S12 6.80	
							-7.20		Weathered ROCK. 7.20	
									Bottom of Exploration at 7.20 feet below ground surface. REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-215

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-216 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	121+75, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.42		PAVEMENT. 0.42	
							-1.10		Brown, damp, gravelly, fine to medium SAND, some silt. ≅S11 1.10	
							-4.00		Brown, moist, silty fine to medium SAND, little gravel, (Till). ≅S12 4.00	
5							-5.50		Weathered ROCK. 5.50	
									Bottom of Exploration at 5.50 feet below ground surface. REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-216

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-217 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	122+08, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.42		PAVEMENT. 0.42	
							-0.90		Brown, damp, gravelly, fine to medium SAND, some silt. ≅S11 0.90	
									Brown, moist, silty fine to medium SAND, little gravel, (Till). ≅S12	
							-5.80		Wet layer from 3.0-4.0' bgs. 5.80	
							-6.20		Weathered ROCK. 6.20	
									Bottom of Exploration at 6.20 feet below ground surface. REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-217

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-218 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	122+50, 8.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	S13		0.42 - 1.40			SSA	-0.42		PAVEMENT. 0.42	G#240077 A-1-b, SM WC=3.1%
							-1.40		Brown, damp, gravelly, fine to medium SAND, some silt. 1.40	
							-8.00		Brown, moist, silty fine to medium SAND, little gravel, (Till). ≅S12 8.00	
									Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-218

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED ------	------	------
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 ------	------	------
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

CARIBOU
STATE ROUTE 161
BORING LOGS

SHEET NUMBER
24
OF 329

Filename: ...\msta\025_BORING LOGS4.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-219 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/25/09-9/25/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	123+00, 9.0 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample attempt
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
SSA = Solid Stem Auger

Definitions:
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

Definitions:
WC = water content, percent
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	-0.42		PAVEMENT. 0.42	
							-1.40		Brown, damp, gravelly, fine to medium SAND, some silt. ≅S13 1.40	
	S14		1.40 - 8.00						Brown, moist, silty fine to medium SAND, little gravel, drier with depth, (Till).	G#240078 A-4, SM WC=10.9%
							-8.00		8.00 Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-219

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-112 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	127+50, 9.4' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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		PAVEMENT. 0.50	
							-0.70		Treated GRAVEL. 0.70	
							-1.80		Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill)(STRONG ODOR). ≅S7 1.80	
							-4.00		Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 4.00	
	S12		4.00 - 5.00				-5.00		Brown, damp, dense, sandy SILT, trace gravel, (Till). 5.00	G#210137 A-4, ML WC=12.8%
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-112

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-113 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	127+50, 13.5' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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							-1.10		Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill). ≅S7 1.10	
							-3.60		Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 3.60	
							-5.00		Brown, damp, dense, sandy SILT, trace gravel, (Till). ≅S12 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-113

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-114 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/9/07-10/9/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	142+50, 9.0' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.60		PAVEMENT. 0.60	
							-0.80		Treated GRAVEL. 0.80	
							-1.70		Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill)(STRONG ODOR). ≅S7 1.70	
							-3.70		Brown, damp, dense, sandy SILT, trace gravel, (Till). ≅S12 3.70	
							-6.00		Weathered ROCK. 6.00	
									Bottom of Exploration at 6.00 feet below ground surface. REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-114

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-115 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/10/07-10/10/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	157+55, 9.2' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	S13		0.70 - 2.00			SSA	-0.50		PAVEMENT. 0.50	
							-0.70		Treated GRAVEL. 0.70	G#210138 A-1-b, GM WC=3.8%
							-2.00		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). 2.00	
							-3.80		Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill). ≅S7 3.80	
							-5.00		Brown, damp, dense, sandy SILT, trace gravel, (Till). ≅S12 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-115

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-116 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/10/07-10/10/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	157+55, 14.0' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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							-0.70		GRAVEL, some brown, damp, silty fine to coarse sand, (Fill). ≅S13 0.70	
							-2.10		Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill). ≅S7 2.10	
							-5.00		Brown, damp, dense, sandy SILT, trace gravel, (Till). ≅S12 5.00	
									Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CA-116

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-202 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	165+00, 6.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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	-0.45		PAVEMENT. 0.45	
	S3		1.90 - 8.00				-1.90		Brown, damp, gravelly, fine to coarse SAND, some silt, cobble layer at 1.0' bgs. ≅S1 1.90	
							-8.00		Brown, wet, silty fine to medium SAND, little gravel, (Till). 8.00	G#240167 A-4, ML WC=25.6%
									Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-202

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-203 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	165+50, 6.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger. Definitions: 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. Definitions: WC = water content, percent; 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		0.45 - 2.10			SSA	-0.45		PAVEMENT. 0.45	
							-2.10		Brown, damp, gravelly, fine to coarse SAND, some silt. 2.10	G#240168 A-1-b, SM WC=3.2%
	S5		2.10 - 8.00				-8.00		Brown, moist, silty fine to medium SAND, trace gravel, dryer with depth, (Till). 8.00	G#240169 A-4, ML WC=18.8%
									Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL	

Remarks:
Offsets are from existing Roadway CL.

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-CAR-203

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER J.Bither\E.Martin

	BY	DATE
DESIGN-DETAILED	N.COLLINS / J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN / T.WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161
BORING LOGS

Filename: ...\msta\026_BORING LOGS5.dgn   Division: HIGHWAY   Username: natasha.m.collins   Date:3/4/2015

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-201 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	165+95, 6.5 Lt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions: D = Split Spoon Sample; MD = Unsuccessful Split Spoon Sample attempt; U = Thin Wall Tube Sample; R = Rock Core Sample; V = Insitu Vane Shear Test; SSA = Solid Stem Auger
Definitions: 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
Definitions: WC = water content, percent; 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.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S1		0.45 - 2.00			SSA	-0.45	PAVEMENT. (0.45)	
							-2.00	Brown, damp, gravelly, fine to coarse SAND, some silt. Cobble layer at 1.0' bgs. (2.00)	G#240165 A-1-b, SM WC=2.9%
	S2		2.00 - 6.20				-6.20	Brown, moist, silty fine to medium SAND, little gravel, (Till). (6.20)	G#240166 A-4, ML WC=13.0%
							-6.80	Weathered ROCK. (6.80)	
								Bottom of Exploration at 6.80 feet below ground surface. REFUSAL	

Remarks: Offsets are from existing Roadway CL.

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-CAR-201

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-204 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	166+50, 5.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks
0	SSA	-0.45	PAVEMENT. (0.45)
		-2.00	Brown, damp, gravelly, fine to coarse SAND, some silt. ≅S4 Cobble layer from 1.0-1.4' bgs. (2.00)
		-8.00	Brown, moist, silty fine to medium SAND, trace gravel, dryer with depth, (Till), ≅S5 (8.00)
			Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CAR-204

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-205 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	167+16, 6.0 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks
0	SSA	-0.45	PAVEMENT. (0.45)
		-2.00	Brown, damp, gravelly, fine to coarse SAND, some silt. ≅S4 (2.00)
		-8.00	Brown, moist, silty fine to medium SAND, trace gravel, (Till), ≅S5 (8.00)
			Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CAR-205

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CAR-206 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere/C. Giles	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	B. Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	9/17/09-9/17/09	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	167+43, 5.5 Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks
0	SSA	-0.45	PAVEMENT. (0.45)
		-2.20	Brown, damp, gravelly, fine to coarse SAND, some silt. ≅S4 (2.20)
		-8.00	Brown, moist, silty fine to medium SAND, trace gravel, (Till), ≅S5 (8.00)
			Bottom of Exploration at 8.00 feet below ground surface. NO REFUSAL

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CAR-206

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-117 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/10/07-10/10/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	180+00, 8.6' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks
0	SSA	-0.50	PAVEMENT. (0.50)
		-0.70	Treated GRAVEL. (0.70)
		-1.70	Brown, damp, silty fine to medium SAND, some gravel, trace coarse sand, (Fill)(STRONG ODOR), ≅S7 (1.70)
		-2.50	Brown, damp, dense, sandy SILT, trace gravel, (Till), ≅S12 (2.50)
		-5.00	Brown, damp, dense, sandy SILT, trace gravel, with cobbles, (Till), ≅S12 (5.00)
			Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CA-117

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-118 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/10/07-10/10/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	195+27, 9.3' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks
0	SSA	-0.55	PAVEMENT. (0.55)
		-0.80	Treated GRAVEL. (0.80)
		-1.30	Augered into Rock. (1.30)
			Bottom of Exploration at 1.30 feet below ground surface. REFUSAL

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CA-118

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

Project: Route 161 | Location: Caribou, Maine | Boring No.: HB-CA-119 | WIN: 12780.00

Driller:	MaineDOT	Elevation (ft.)		Auger ID/OD:	5" Dia.
Operator:	E. Giguere	Datum:	NAVD 88	Sampler:	Off Flights
Logged By:	G. Lidstone	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	10/10/07-10/10/07	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	205+00, 8.5' Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Depth (ft.)	Sample No.	Sample Depth (ft.)	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0	S14	0.70 - 2.20	SSA	-0.45	PAVEMENT. (0.45)	
				-0.70	Unbound PAVEMENT. (0.70)	
				-2.20	Brown, damp, silty fine to coarse SAND, some gravel, (Fill). (2.20)	G#210139 A-1-b, SM WC=4.9%
				-3.80	Brown, damp, dense, sandy SILT, trace gravel. ≅S10 (3.80)	
				-5.00	Brown, moist, sandy SILT, trace gravel, trace clay. ≅S11 (5.00)	
					Bottom of Exploration at 5.00 feet below ground surface. NO REFUSAL	

Remarks: Offsets are from existing Roadway CL.
Page 1 of 1 — Boring No.: HB-CA-119

State of Maine - Department of Transportation

Pavement Core Summary Sheet

Town Caribou — Project Number: 12780.00

Station (Feet)	Offset (Feet)	Pavement Depth (in)	Unbound Pavement / Treated Gravel (Feet)	Unbound Pavement / Treated Gravel (in)	Combined Pavement + Treated Gravel (in)	PC #	Comments / Date 10/4,9,10/07
25+00	5.0 Rt.	4.80			4.80	1	Route 161
25+00	CL	4.80	0.40-0.50	1.2	6.00	2	
25+00	5.0 Lt.	4.80			4.80	3	
25+00	10.0 Lt.	3.00	0.25-0.35	1.2	4.20	4	
55+00	5.0 Rt.	3.60	0.30-0.43	1.6	5.20	5	
55+00	CL	5.40	0.45-0.58	1.6	7.00	6	
55+00	5.0 Lt.	3.60	0.30-0.50	1.2	4.80	7	
55+00	10.0 Lt.	4.20	0.35-0.45	1.2	5.40	8	
80+03	5.0 Rt.	6.00	0.50-0.55	0.6	6.60	9	
80+03	CL	6.00	0.50-0.65	1.8	7.80	10	
80+03	5.0 Lt.	5.40	0.45-0.60	1.8	7.20	11	
80+03	10.0 Lt.	3.60	0.30-0.40	1.2	4.80	12	
102+50	CL	6.00			6.00	13	
102+50	5.0 Rt.	6.00			6.00	14	
102+50	5.0 Lt.	6.00			6.00	15	
102+50	10.0 Lt.	3.60	0.30-0.50	2.4	6.00	16	
127+50	5.0 Rt.	6.00			6.00	17	
127+50	CL	6.00			6.00	18	
127+50	5.0 Lt.	3.00	0.25-0.45	2.4	5.40	19	
127+50	10.0 Lt.	2.40	0.20-0.30	1.2	3.60	20	
157+55	5.0 Rt.	6.00			6.00	21	
157+55	CL	7.80			7.80	22	
157+55	5.0 Lt.	2.40	0.20-0.55	4.2	6.60	23	
157+55	10.0 Lt.	2.40	0.20-0.60	4.8	7.20	24	
195+27	10.0 Lt.	7.20	0.60-0.75	1.8	9.00	25	
195+27	5.0 Lt.	4.80	0.40-0.50	1.2	6.00	26	
195+27	CL	7.20			7.20	27	
195+27	5.0 Rt.	4.20	0.35-0.50	1.8	6.00	28	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1278(000)X
WIN 012780.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED		
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

CARIBOU
STATE ROUTE 161
BORING LOGS

SHEET NUMBER
26
OF 329

Filename: ...\msto\027_BORING LOGS6.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

State of Maine - Department of Transportation

Power Auger Probe Summary Sheet

Town(s): Caribou **Project Number: 12780.00**

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 10/4,9,10/07
53+00	9.4 Lt.			5.0		Offsets are from Existing
54+00	12.0 Rt.			5.0		Roadway CL.
54+00	11.0 Lt.	3.7	3.9			
54+50	11.8 Lt.	4.1	4.3			
55+50	11.5 Lt.	1.6	1.8			
56+00	12.0 Rt.	2.0	2.3			
56+00	10.5 Lt.	2.1	2.5			
56+50	12.0 Lt.	2.7	3.5			
57+00	12.0 Rt.			5.0		
57+00	11.5 Lt.			5.0		
140+50	13.0 Rt.			5.0		
140+50	15.0 Lt.			5.0		
141+00	13.8 Lt.			5.0		
141+95	13.0 Lt.			5.0		
143+00	13.0 Lt.			5.0		
143+50	16.0 Rt.			5.0		
194+25	13.5 Rt.			5.0		
194+25	11.7 Lt.			5.0		
194+75	11.5 Lt.	3.1	4.0			
195+75	12.5 Lt.			5.0		
196+25	13.2 Rt.	1.9	2.6			
196+75	11.7 Rt.	3.2	4.5			
197+25	12.0 Rt.	3.3	3.7			
197+75	13.3 Rt.	3.7	4.0			
198+25	14.0 Rt.			5.0		
						Ledge exposed in ditch
						197+00, 18.0' Rt.
						Ledge exposed in ditch
						197+80, 20.0' Rt.

State of Maine - Department of Transportation

Power Auger Probe Summary Sheet

Town(s): Caribou **Project Number: 12780.00**

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 9/17,21,24/09
87+00	8.0 Lt.			10.0		
87+50	8.0 Lt.			10.0		
87+50	8.0 Rt.			10.0		Cobbles and Boulders
88+00	6.5 Lt.			10.0		
88+50	7.0 Lt.			10.0		
88+50	8.0 Rt.			10.0		Cobbles and Boulders
89+00	7.0 Lt.			10.0		
89+50	7.0 Lt.			10.0		
89+50	8.5 Rt.			10.0		Cobbles and Boulders
94+00	7.0 Rt.			10.0		
94+50	7.0 Lt.			10.0		
95+00	8.0 Rt.			10.0		
95+50	7.0 Lt.			10.0		
96+00	8.0 Rt.			10.0		
96+25	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
96+50	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
96+70	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
96+90	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
97+09	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
97+30	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
98+00	8.5 Rt.			8.0		Cobble layer 1.0-1.6' bgs
121+00	8.0 Rt.		9.3			
121+60	8.0 Rt.	6.3	6.6			
121+75	8.0 Rt.		2.5			
122+08	8.0 Rt.		4.6			
122+50	8.0 Rt.		4.5			
123+00	8.0 Rt.		6.2			
164+50	7.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
164+50	6.0 Rt.			8.0		Cobble layer 1.0-1.4' bgs.
164+75	7.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
165+00	6.5 Rt.			8.0		Cobble layer 1.0-1.4' bgs.
165+50	6.5 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
166+00	6.5 Lt.		1.0			Boulder ?
166+50	5.5 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
166+82	6.0 Lt.	7.0	7.5			Cobble layer 1.0-1.4' bgs.
166+82	6.0 Rt.	6.9	7.3			Cobble layer 1.0-1.4' bgs.
167+00	7.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
167+16	7.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
167+43	7.0 Lt.		5.5			Cobble layer 1.0-1.4' bgs.
167+72	7.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
168+00	8.0 Lt.			8.0		Cobble layer 1.0-1.4' bgs.
168+27	8.0 Lt.	5.8	7.2			Cobble layer 1.0-1.4' bgs.
168+27	6.0 Rt.	5.0	5.3			Cobble layer 1.0-1.4' bgs.

State of Maine - Department of Transportation

Power Auger Probe Summary Sheet

Town(s): Caribou **Project Number: 12780.00**

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 6/28-29/2011
183+00	9.0 Lt.			4.0		
183+00	9.0 Rt.			4.0		
184+00	9.0 Lt.		2.7			
184+00	9.0 Rt.			6.0		
185+00	9.0 Lt.		4.0			
185+00	9.0 Rt.	5.7	6.0			
186+00	9.0 Lt.		1.1			
186+00	9.0 Rt.		5.9			
187+00	9.0 Lt.		7.2			
187+00	9.0 Rt.		1.4			
188+00	9.0 Lt.		6.0			
188+00	9.0 Rt.		6.2			
189+00	9.0 Lt.		5.1			
189+00	8.0 Rt.		3.4			
190+00	9.0 Lt.		7.0			
190+00	8.0 Rt.		7.3			
191+00	9.0 Lt.		6.3			
191+00						?
192+00	9.0 Lt.		6.7			
192+00						?
193+00	9.0 Lt.		7.5			
193+00	7.5 Rt.		7.2			
194+00	9.0 Lt.		3.5			
194+00	7.5 Rt.		2.8			
195+00	9.0 Lt.		6.0			
195+00	7.5 Rt.		2.4			
196+00	9.0 Lt.		3.7			
196+00	7.0 Rt.		5.0			
197+00	9.0 Lt.		2.3			
197+00	7.5 Rt.		1.9			
198+00	9.0 Lt.		4.2			
198+00	7.5 Rt.		2.5			
199+00	9.0 Lt.		5.9			
199+00	7.5 Rt.		4.5			
200+00	9.0 Lt.		6.3			
200+00	7.5 Rt.		1.5			
201+00	9.0 Lt.		6.0			
201+00	7.5 Rt.		1.7			
202+00	9.0 Lt.		4.3			
202+00	7.5 Rt.		4.4			
203+30	9.0 Lt.			7.0		overhead wires @ 194+00
203+05	7.5 Rt.			7.0		
204+00	9.0 Lt.			4.0		
204+00	7.5 Rt.			4.0		

State of Maine - Department of Transportation

Power Auger Probe Summary Sheet

Town(s): Caribou **Project Number: 12780.00**

Station (Feet)	Offset (Feet)	Weathered Rock (Feet)	Refusal (Feet)	No Refusal (Feet)	Water Depth (Ft.)	Comments / Date 6/14/2012
27+00	15.0 Lt.			8.0		
27+00	15.0 Rt.			8.0		
57+65	12.0 Lt.			8.0		
57+65	12.0 Rt.			8.0		
67+20	12.0 Lt.			8.0		
67+20	12.0 Rt.			8.0		
79+50	13.0 Lt.	19.1	20.5			
84+80	14.0 Lt.			8.0		
84+80	12.0 Rt.			8.0		
94+10	13.0 Lt.			8.0		
94+10	10.0 Rt.			8.0		
101+10						
101+10	11.0 Rt.			8.0		
129+10	13.0 Lt.			12.0		
129+10	13.0 Rt.			12.0		
144+65	13.0 Lt.			12.0		drilled thru pipe
144+65	13.0 Rt.			12.0		
149+00	13.0 Lt.		4.8			
149+00	13.0 Rt.		4.9			
210+00	13.0 Lt.			10.0		
210+50	13.0 Lt.			10.0		
211+00	13.0 Lt.			10.0		
211+38	17.0 Lt.			10.0		
212+64	16.0 Lt.			10.0		
213+00	15.0 Lt.			10.0		
213+50	17.0 Lt.			10.0		
214+50	13.0 Lt.			10.0		
215+00	16.0 Lt.			10.0		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER: J.Bither\E.Merlon		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

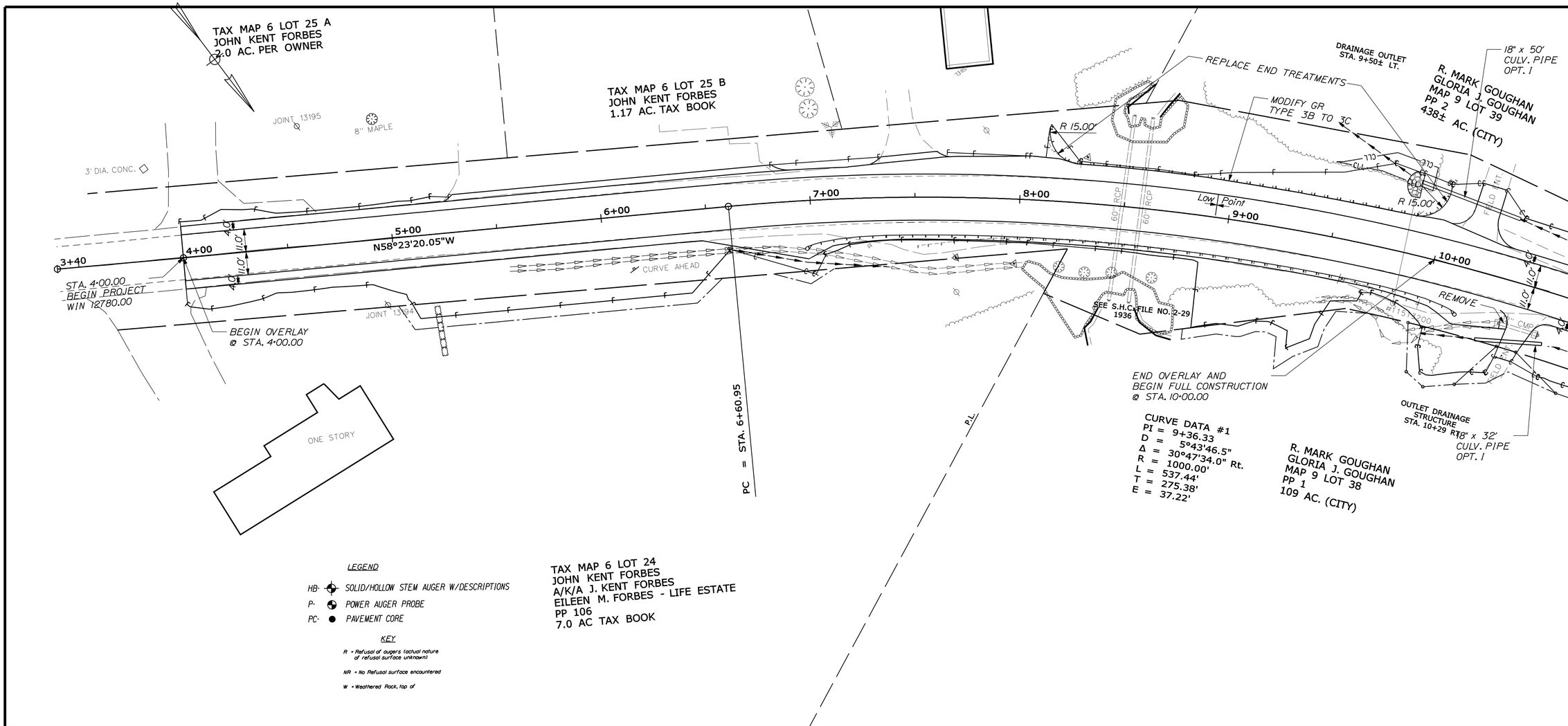
CARIBOU
STATE ROUTE 161

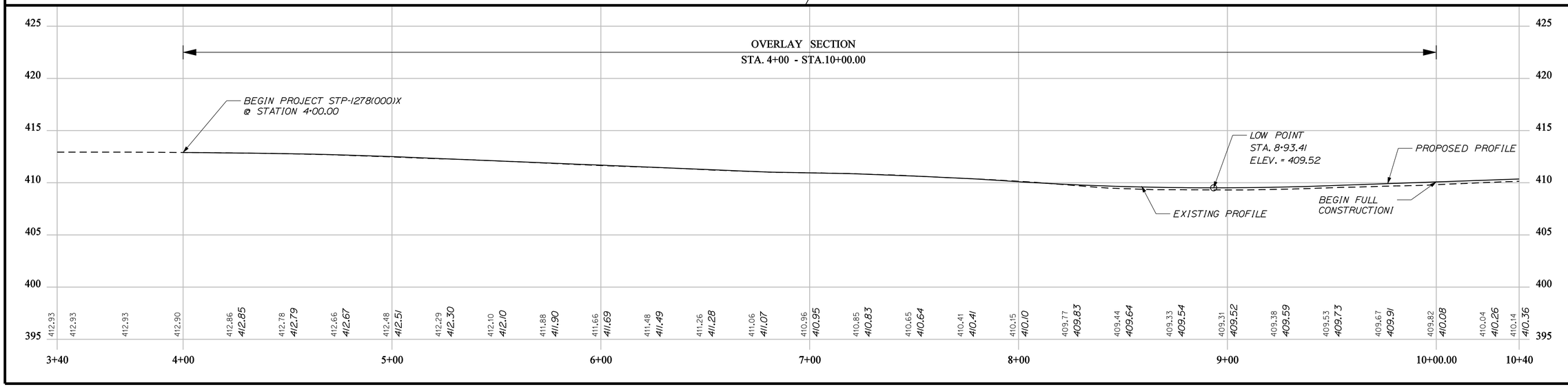
BORING LOGS

SHEET NUMBER

27

OF 329





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither\E.Martin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	J. HARDEN	
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

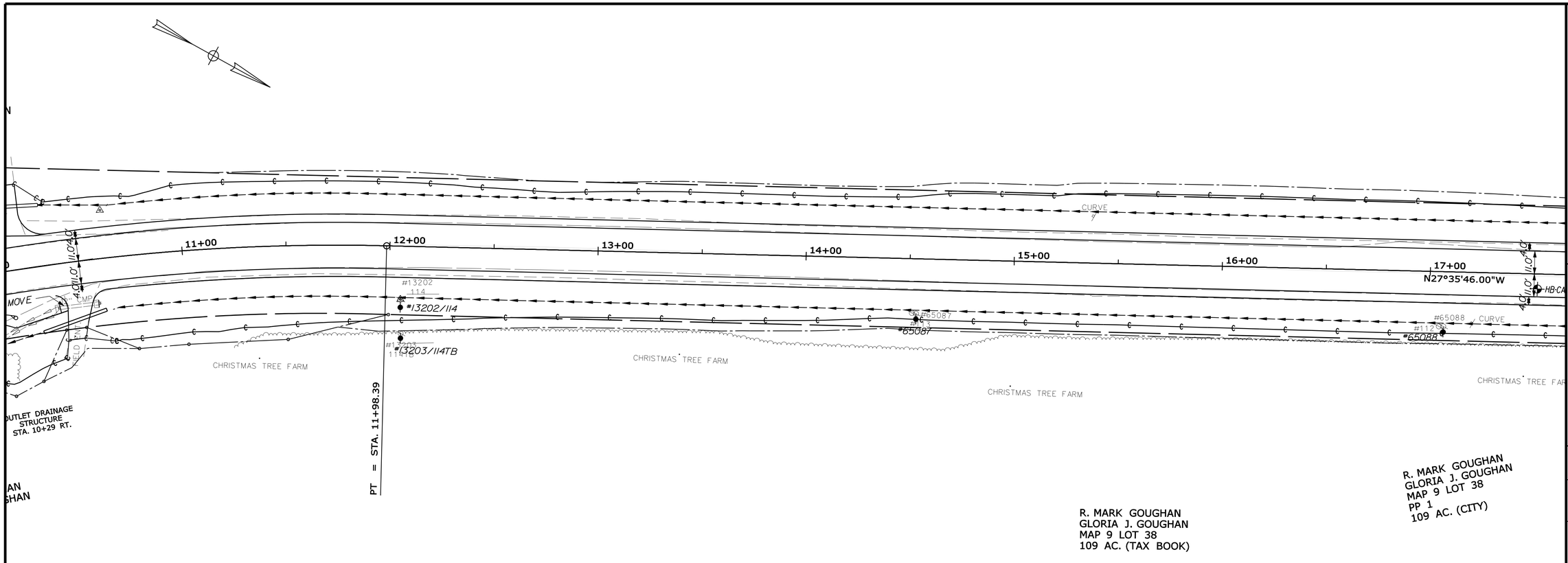
PLANS

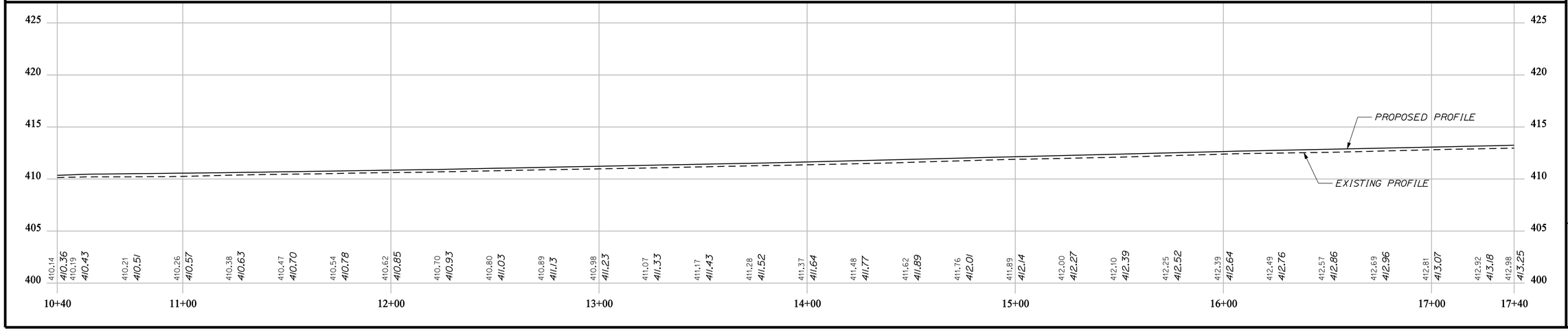
SHEET NUMBER
28
OF 329

STA. 3+39.70 TO STA. 10+39.70

Filename: ...\highway\msta\028_HDPlan1.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\highway\mst0\029_HDPlan2.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Merlon	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

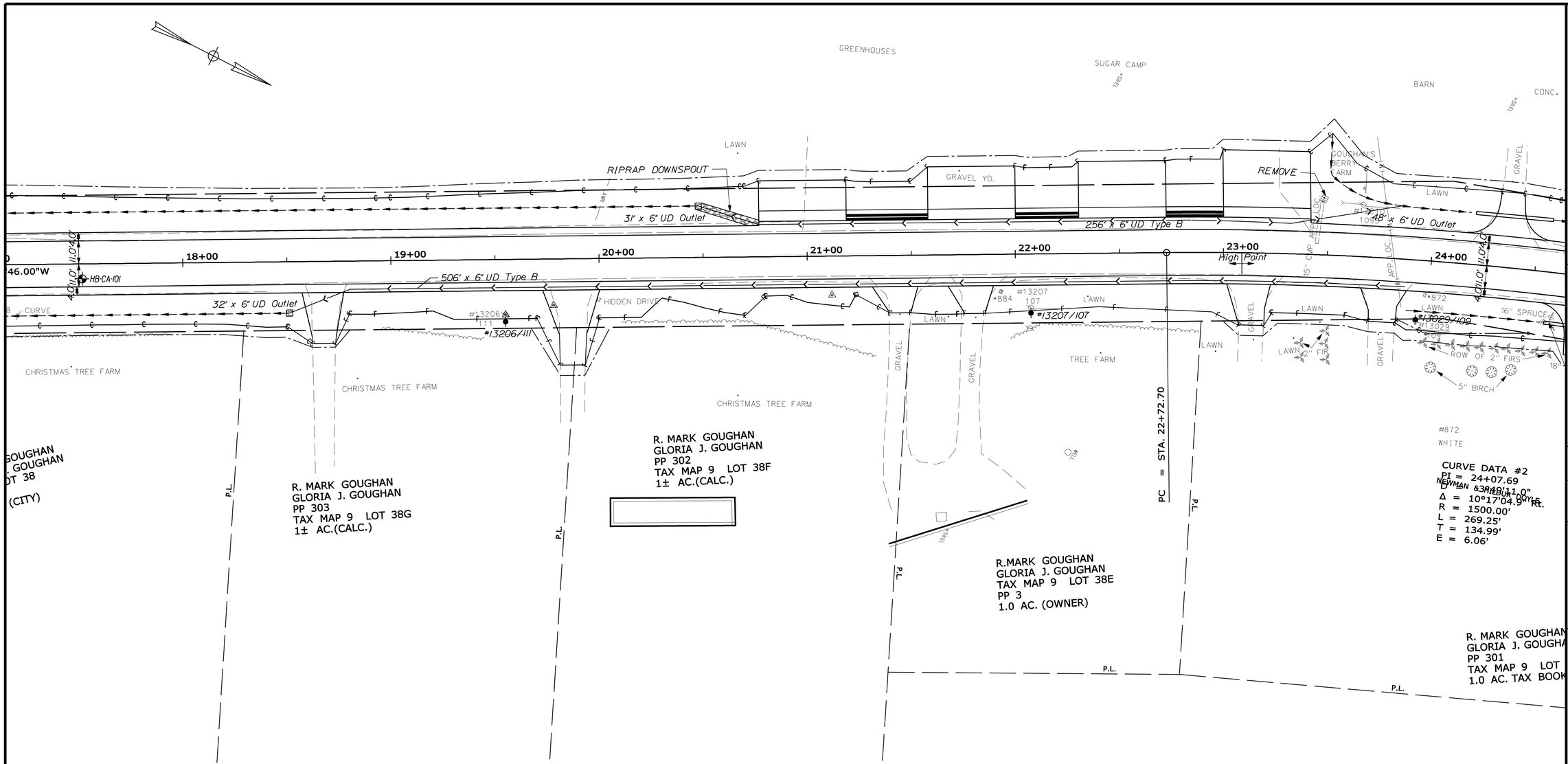
SHEET NUMBER

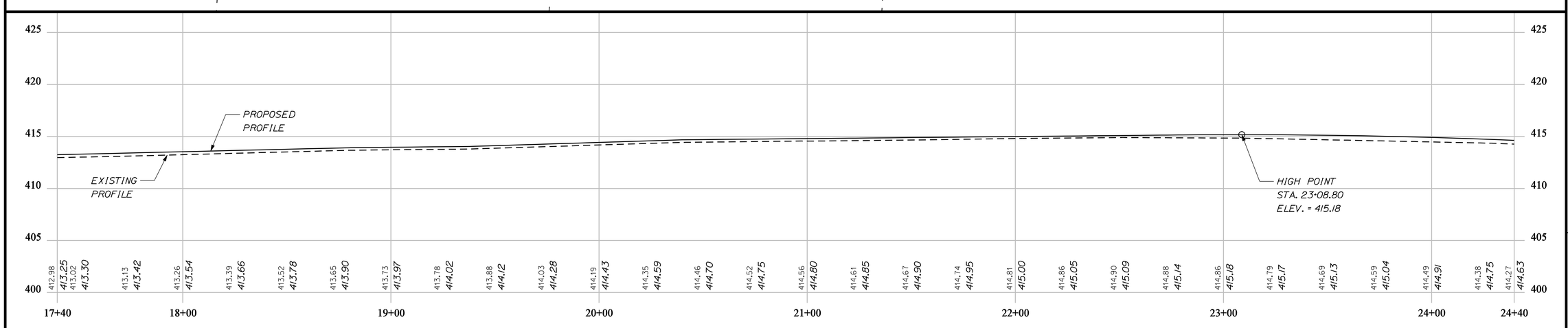
29

OF 329

STA. 10+39.70 TO STA. 17+39.70

Filename: ...\highway\mst0\030_HDPlan3.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither/K.Merlin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T. WHITE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

30

OF 329

STA. 17+39.70 TO STA. 24+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
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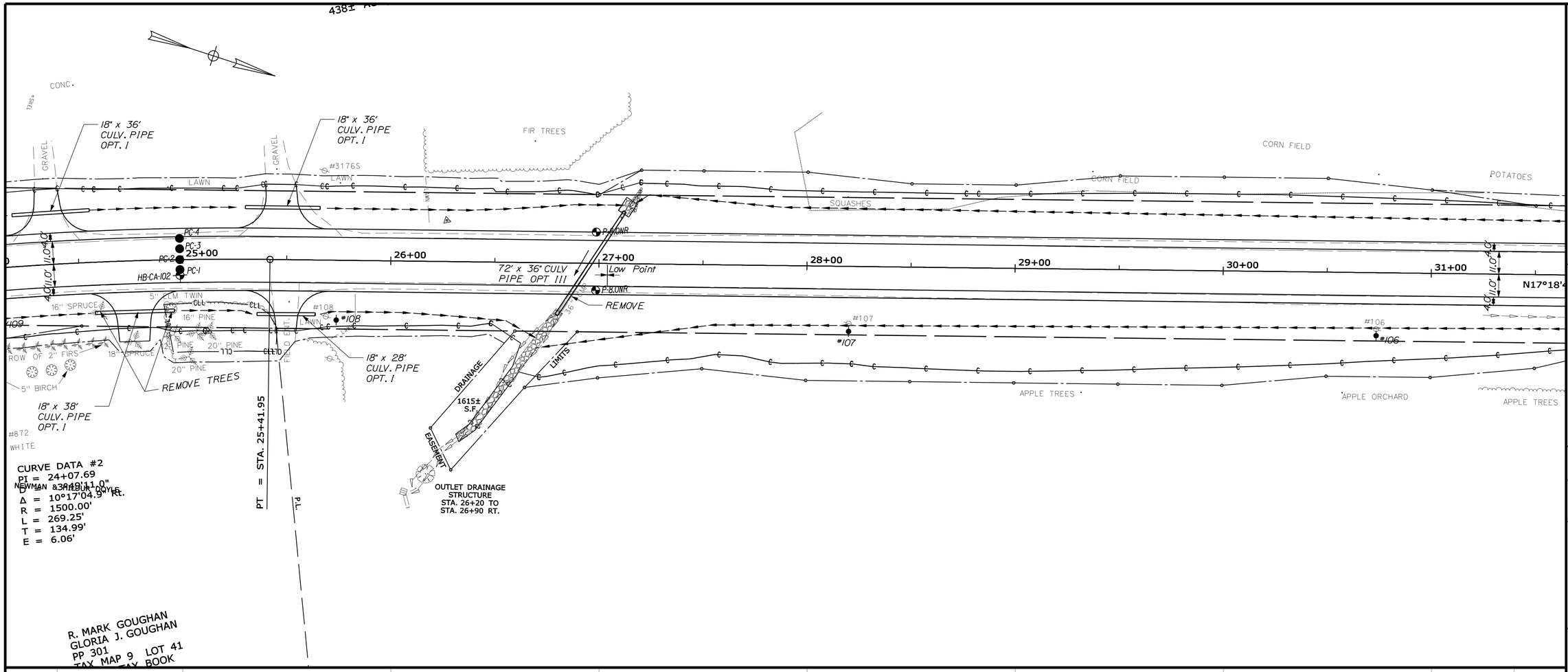
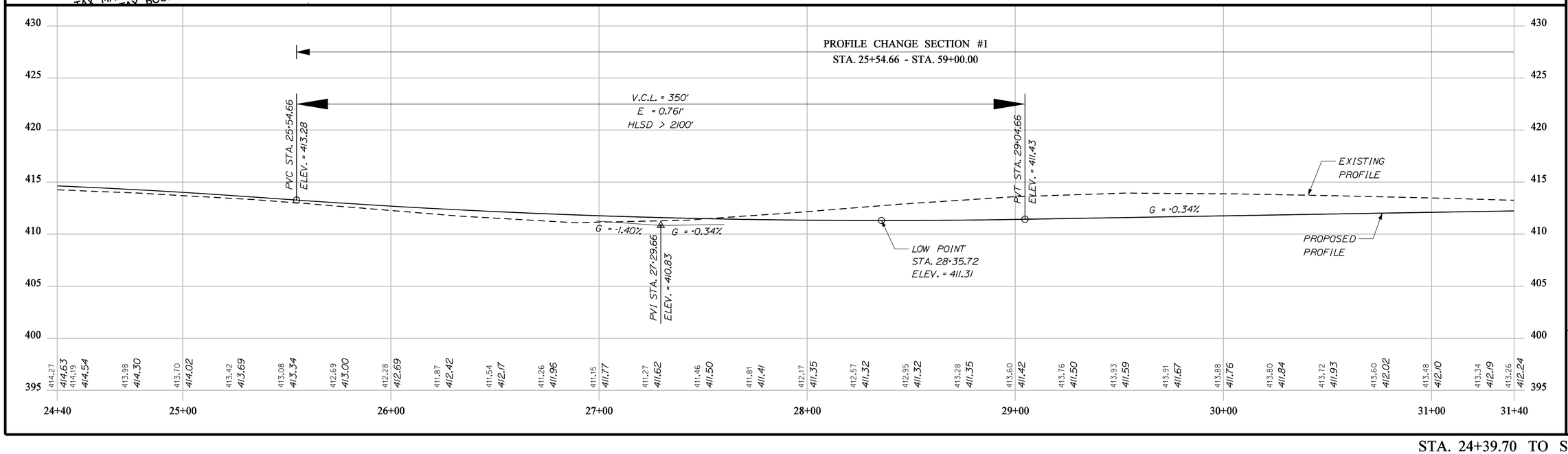




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Merlon		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED -----	-----	-----
DESIGN2-DETAILED2 S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3 -----	-----	-----
REVISIONS 1 -----	-----	-----
REVISIONS 2 -----	-----	-----
REVISIONS 3 -----	-----	-----
REVISIONS 4 -----	-----	-----
FIELD CHANGES -----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

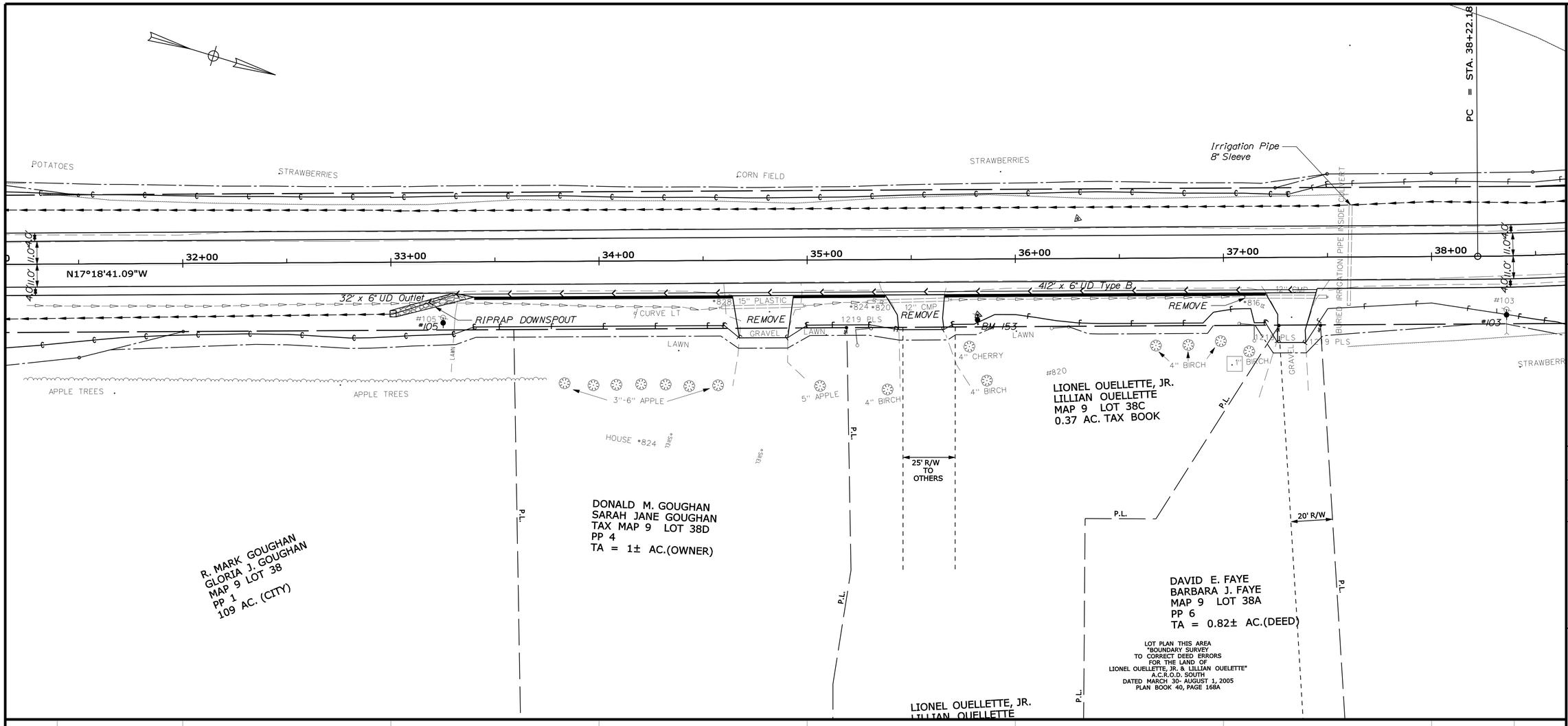
SHEET NUMBER

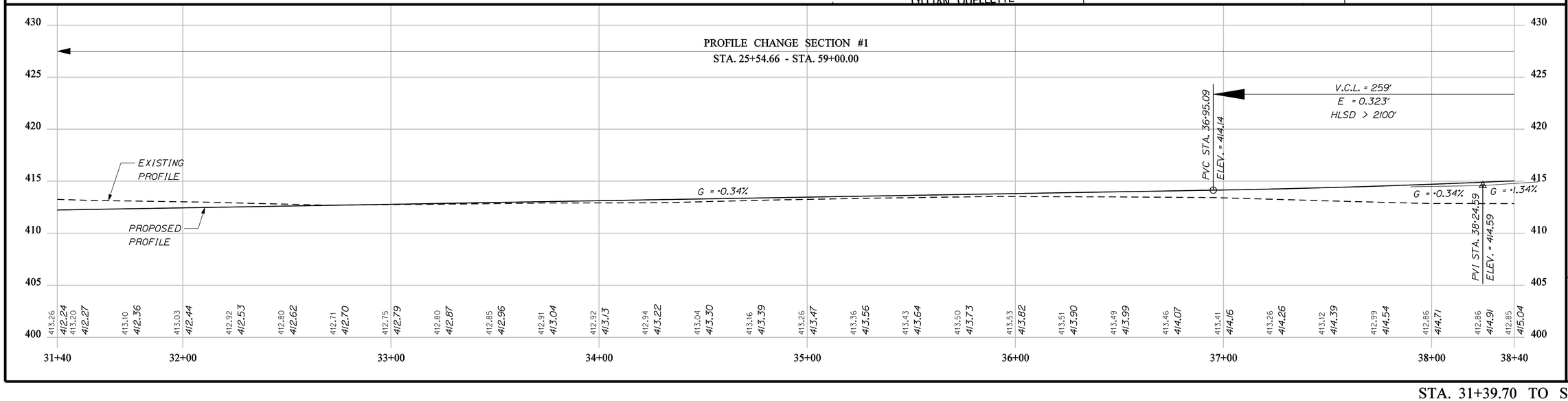
31

OF 329

STA. 24+39.70 TO STA. 31+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\mst0\032_HDPlan5.dgn





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither/K.Merlin	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

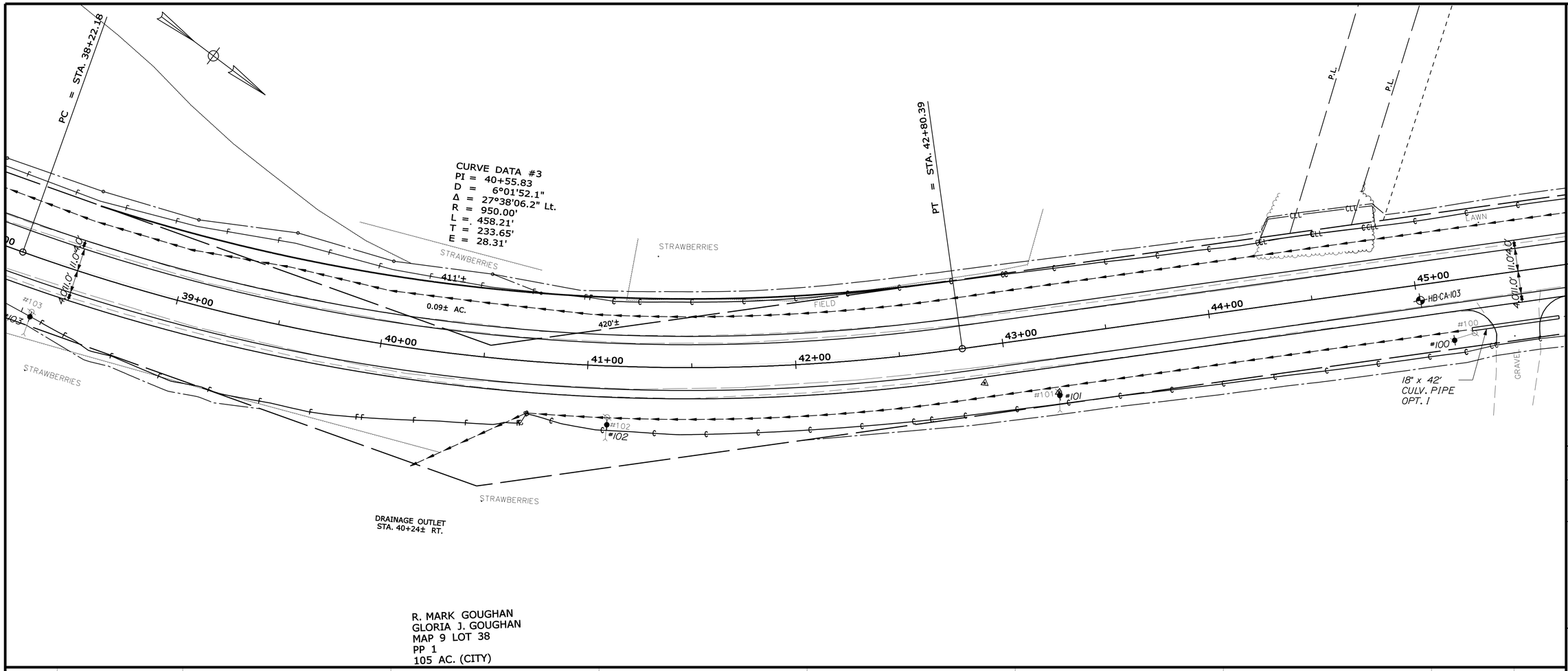
SHEET NUMBER

32

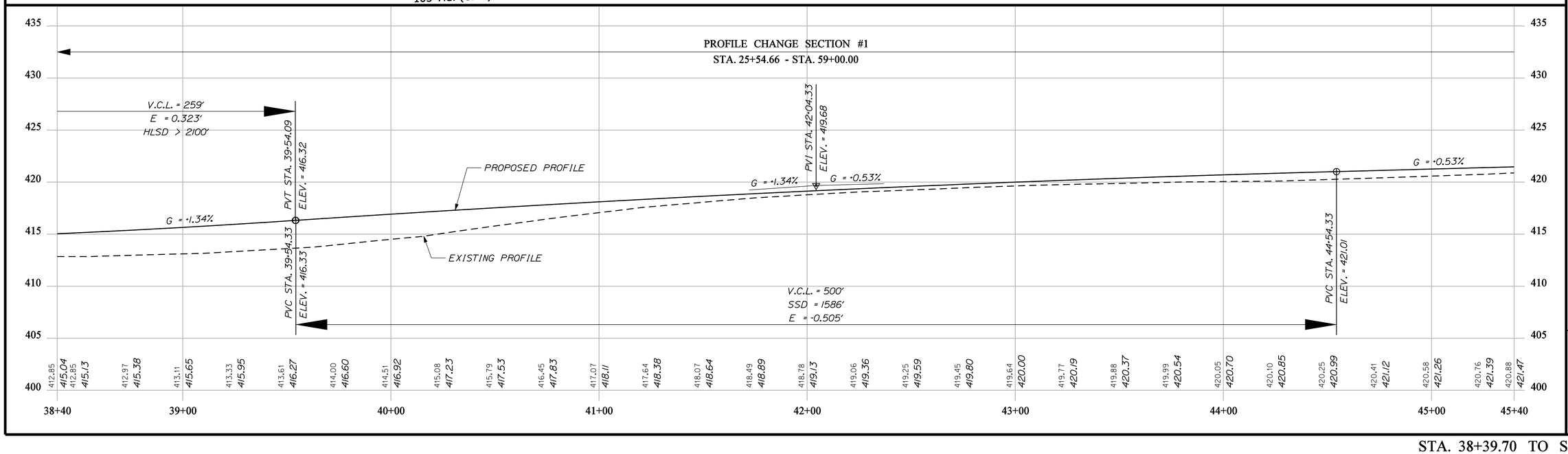
OF 329

STA. 31+39.70 TO STA. 38+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\mst0\033_HDPlan6.dgn



R. MARK GOUGHAN
GLORIA J. GOUGHAN
MAP 9 LOT 38
PP 1
105 AC. (CITY)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither/E.Merlin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

33

OF 329

STA. 38+39.70 TO STA. 45+39.70

Filename: ...\highway\msta\034_HDPlan7.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED -----	-----	-----
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 -----	-----	-----
REVISIONS 1 -----		-----
REVISIONS 2 -----		-----
REVISIONS 3 -----		-----
REVISIONS 4 -----		-----
FIELD CHANGES -----		-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

34

OF 329

STA. 45+39.70 TO STA. 52+39.70

Filename: ...\highway\rns1o\035_HDPlan8.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

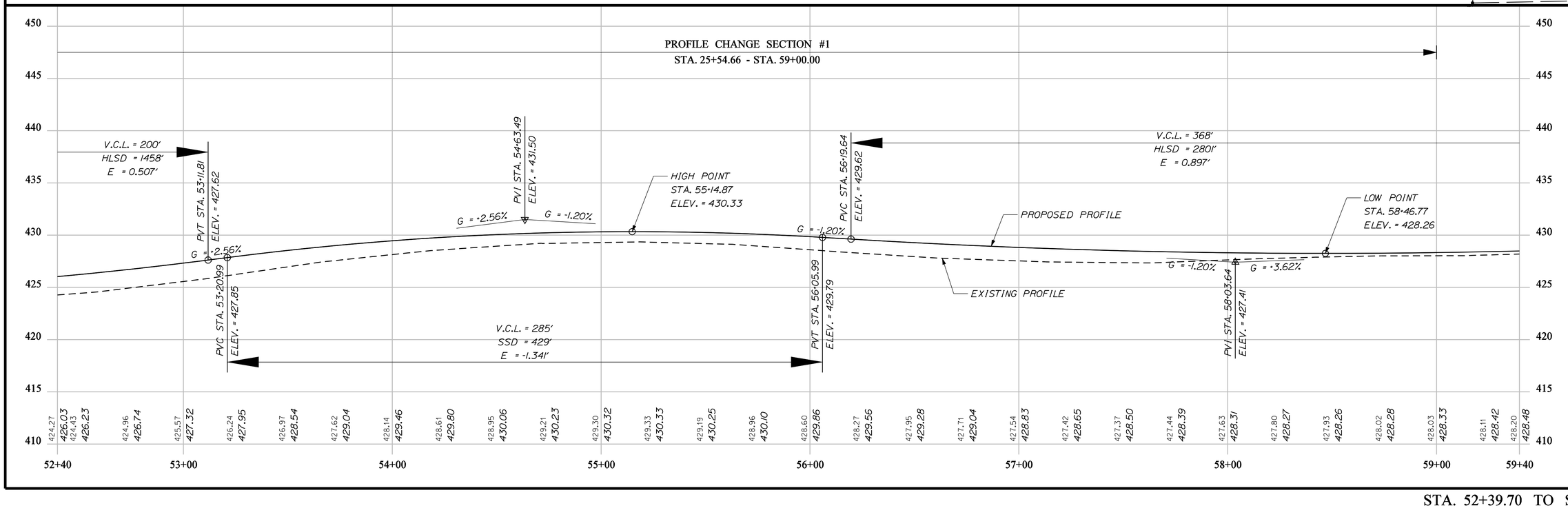
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither/E.Merlon		
DESIGN-DETAILED	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE



CARIBOU
STATE ROUTE 161

PLANS

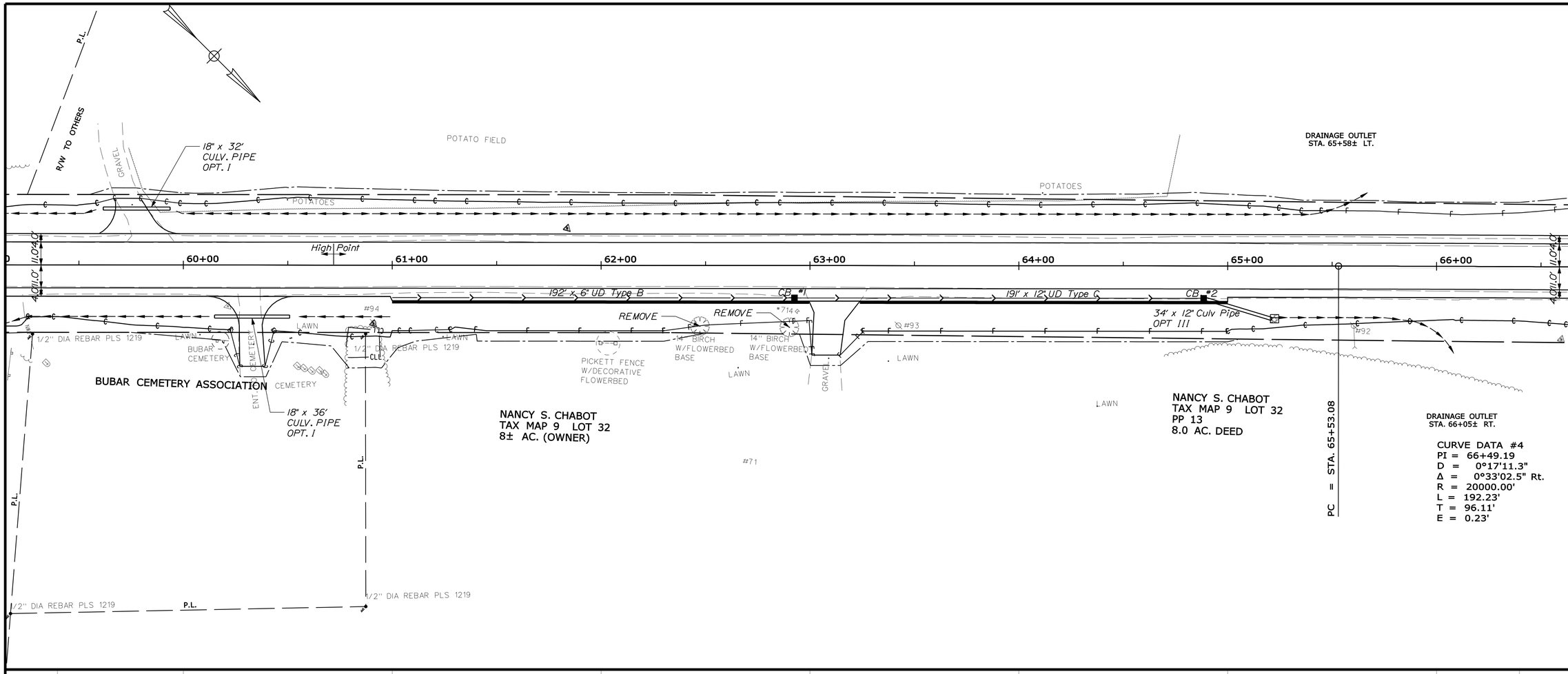
SHEET NUMBER

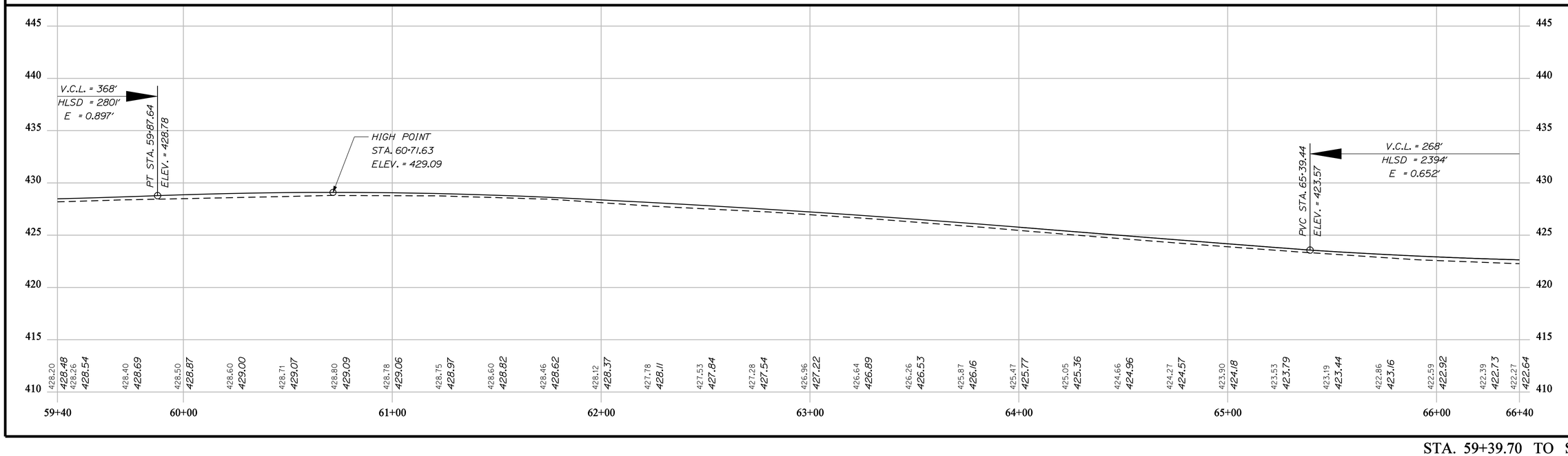
35

OF 329

STA. 52+39.70 TO STA. 59+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\mst0\036_HDPlan9.dgn





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Merlon		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

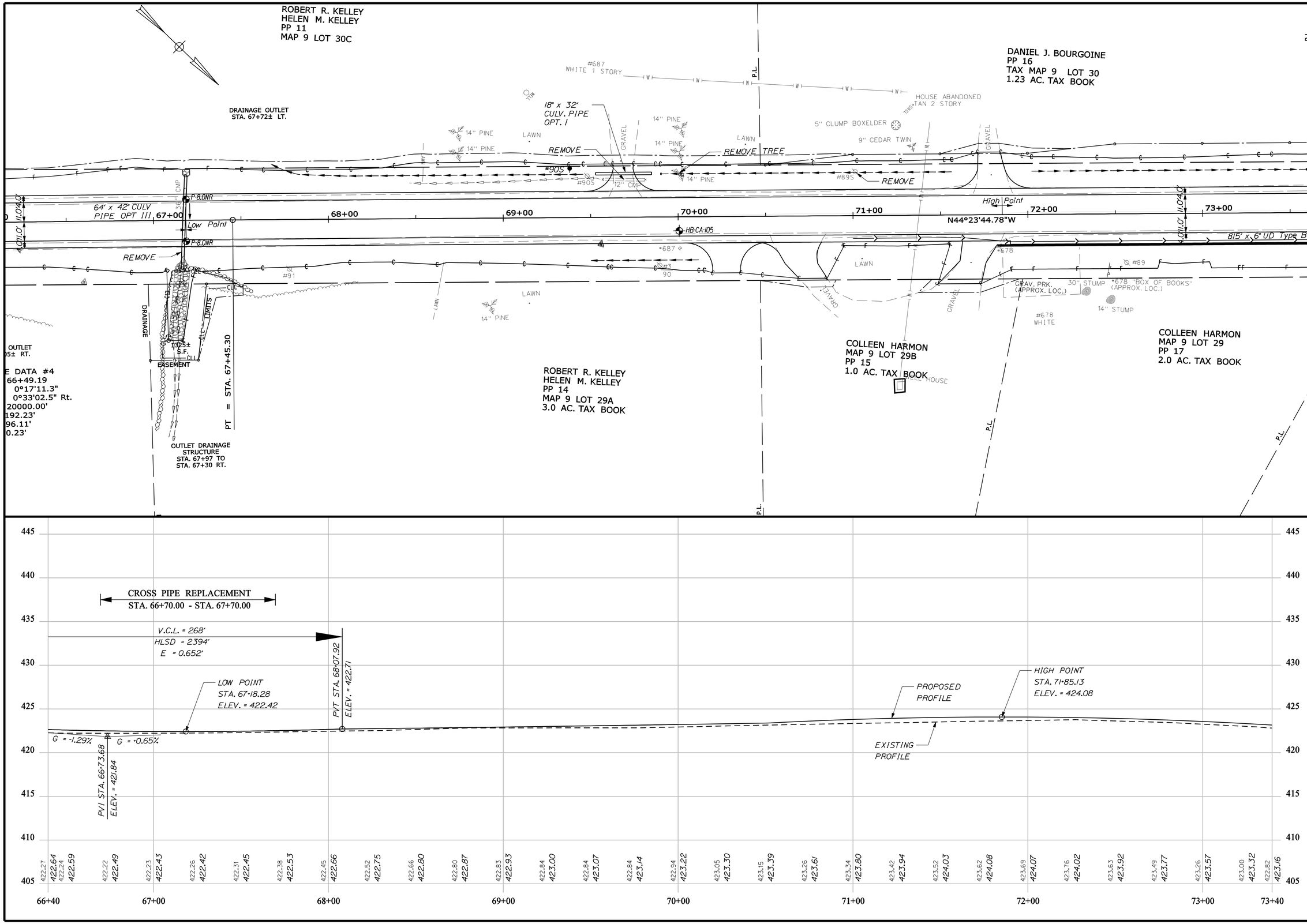
PLANS

SHEET NUMBER

36

OF 329

STA. 59+39.70 TO STA. 66+39.70



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

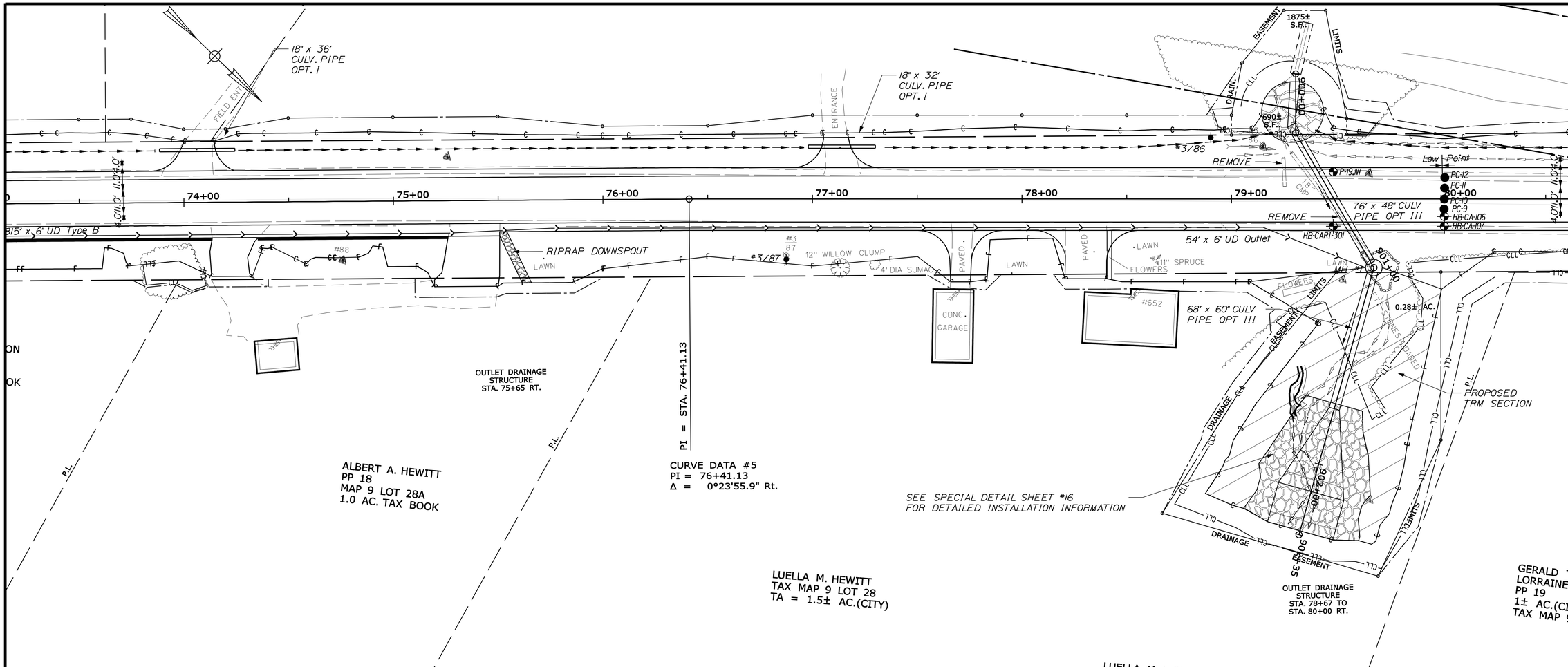
CARIBOU
STATE ROUTE 161

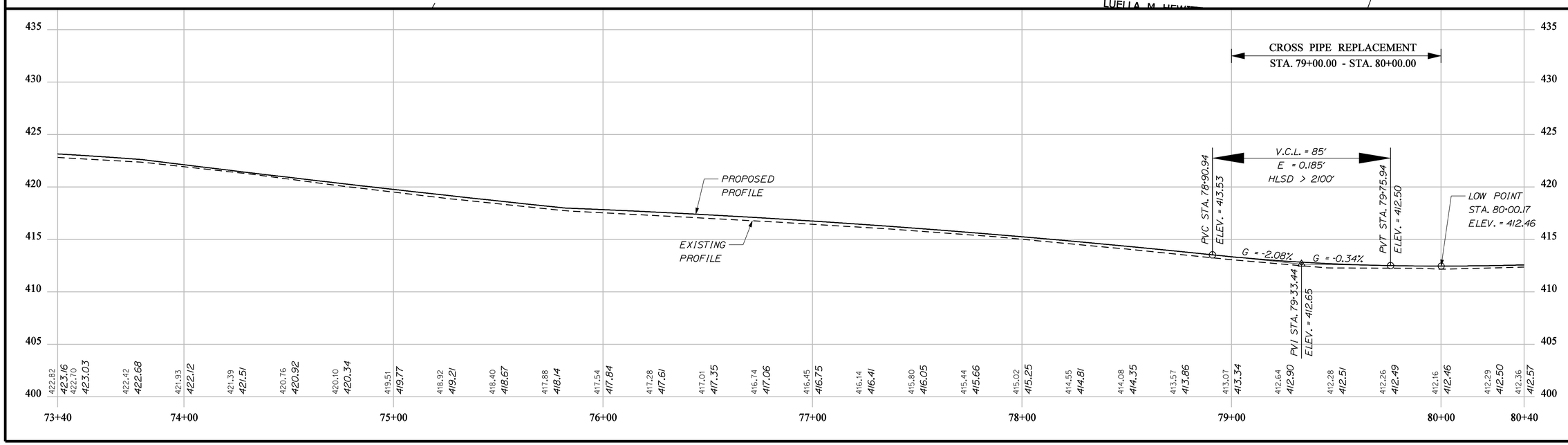
PLANS

SHEET NUMBER
37
OF 329

STA. 66+39.70 TO STA. 73+39.70

Filename: ...\highway\msta\037_HDPlan10.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	S.HAYDEN	MAY 2013
DESIGN2-DETAILED2	T.WHITE	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
38
OF 329

STA. 73+39.70 TO STA. 80+39.70

Filename: ...\highway\msta\038_HDPlan11.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\highway\msto\039_HDPlan12.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY

JUSTINE M. LEVASSEUR LIFE ESTATE
P/O TAX MAP 9 LOT 25
1.09 AC(CALC.)
PP 21

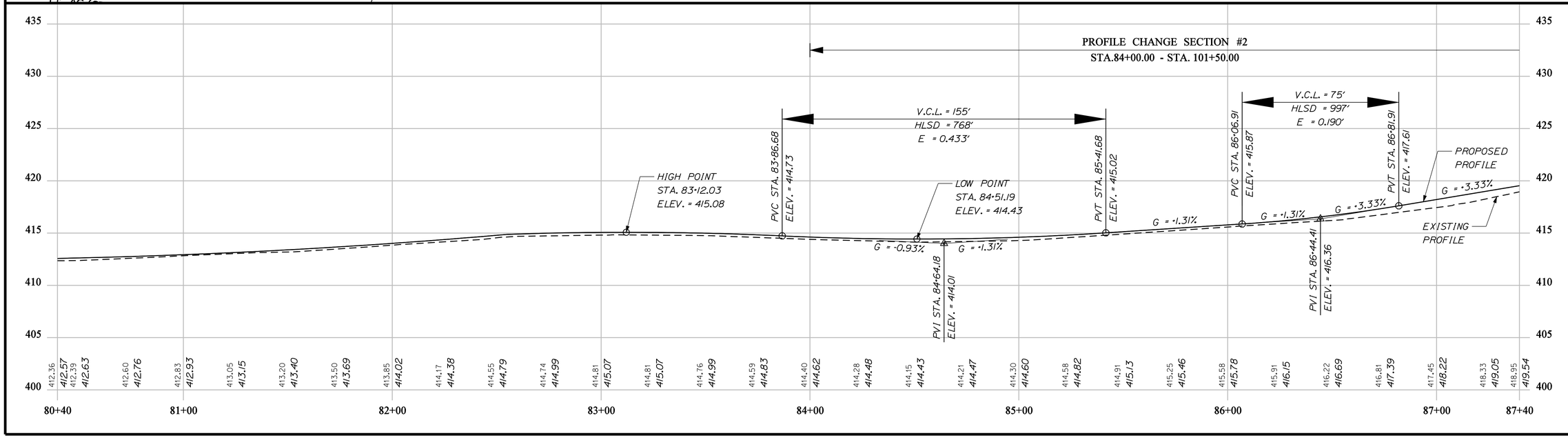
JUSTINE M. LEVASSEUR
P/O TAX MAP 9 LOT 25
TA = 0.64± AC.(CALC.)

TRAVIS W. ROBBINS
JESSICA R. ROBBINS
PP 23
TAX MAP 9 LOT 22
0.50 AC. TAX BOOK
PC = STA. 86+66.66

RICHARD D. SOLMAN
PP 22
TAX MAP 9 LOT 24
6.0 AC. TAX BOOK

GERALD THIBODEAU
LORRAINE THIBODEAU
PP 19
1± AC(C

WOOD
PAVED
GARAGE
POSSIBLE POSITION OF LEACH FIELD
18" x 44' CULV. PIPE OPT. I
PROPOSED TRM LOCATION
REFLECTOR
DAMAGED
245' x 30" French Drain
12" CMP
18" CMP
CB #3
P-8.0NR
Low Point
High Point
68' x 36" CULV PIPE OPT III
REMOVE
P-10.0NR
P-9.0NR
4 CULV 10.94'C
4 CULV 10.0'C
N43°59'48.87"W
525± S.F. RIP-RAP
EASE.
TURNTO
DRILLED
FOR
36" CORR. STEEL PIPE
OUTLET DRAINAGE STRUCTURE
STA. 84+60 TO
STA. 84+90 RT.
PROPOSED TRM SECTION
#13245
#13244
#13250
#7185
#3184
#3193
#382
80+00
81+00
82+00
83+00
84+00
85+00
86+00
87+00



STA. 80+39.70 TO STA. 87+39.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither \E.Merlin	JUNE 2013
DESIGN-DETAILED	N.COLLINS	-----
CHECKED-REVIEWED	-----	MAY 2013
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE
DESIGN3-DETAILED3	-------	-------
REVISIONS 1	-------	-------
REVISIONS 2	-------	-------
REVISIONS 3	-------	-------
REVISIONS 4	-------	-------
FIELD CHANGES	-------	-------

SIGNATURE

P.E. NUMBER

DATE

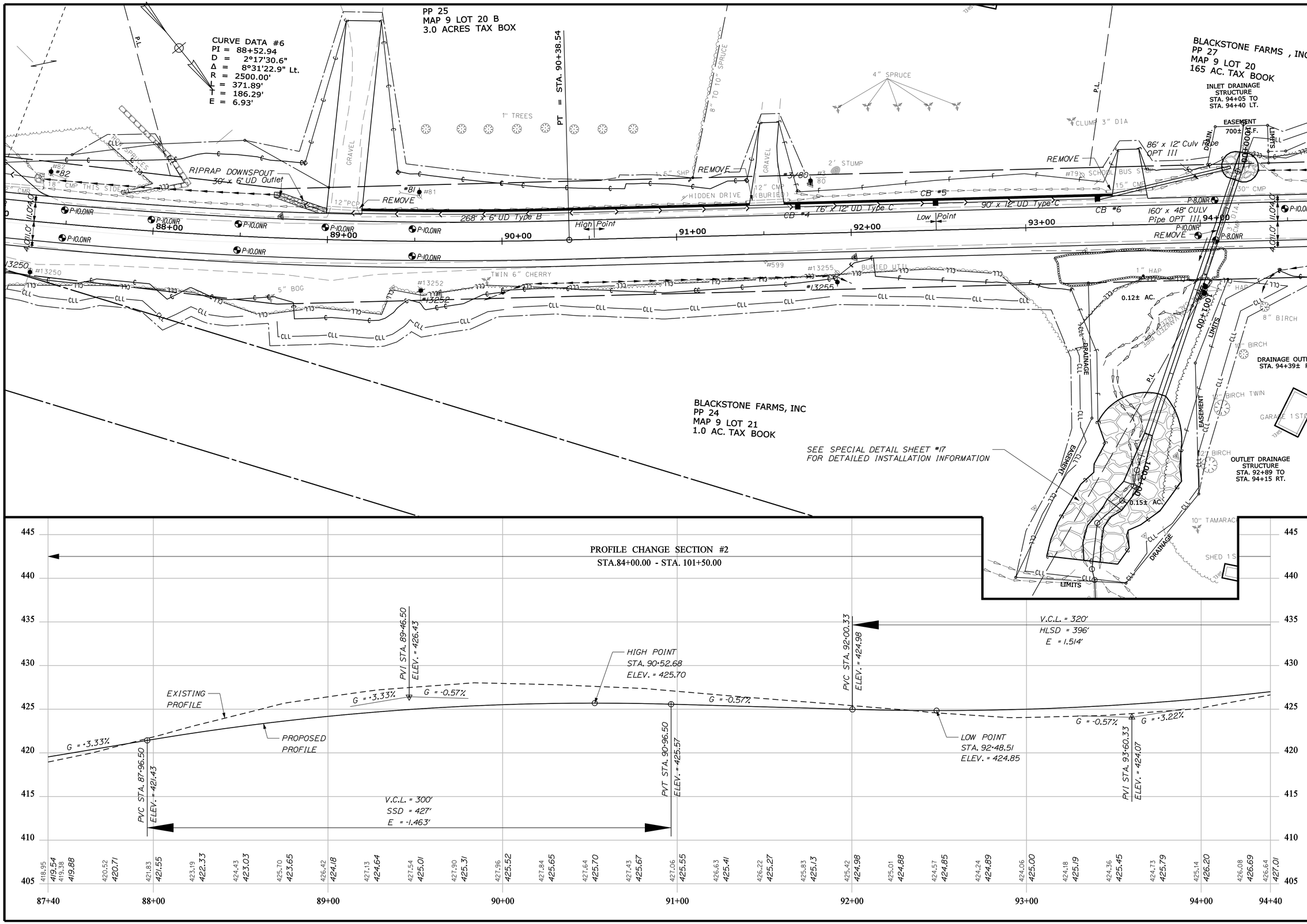
CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

39

OF 329



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	J. HARDEN	
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

40

OF 329

STA. 87+39.70 TO STA. 94+39.70

Filename: ...\highway\msta\040_HDPlan13.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\highway\msta\041_HDPlan14.dgn   Division: HIGHWAY   Username: natasha.m.collins   Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

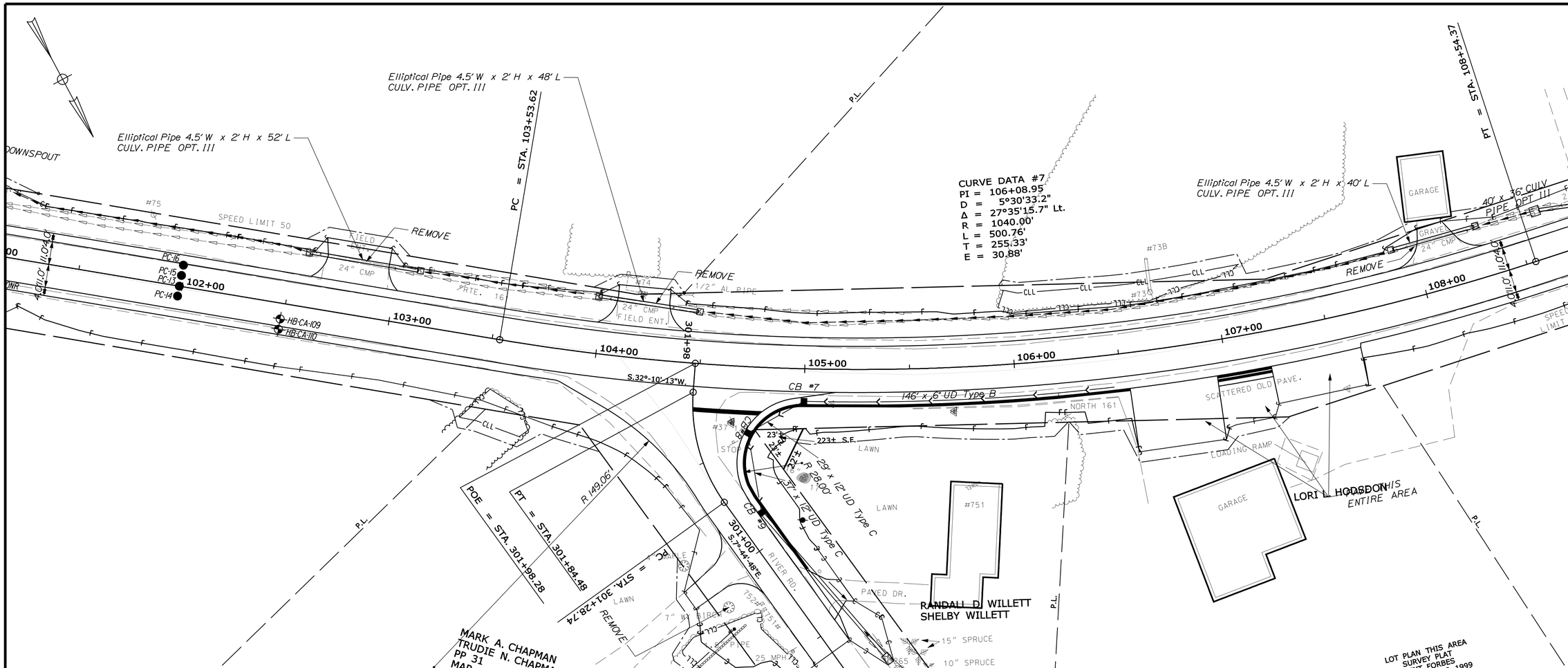
DATE

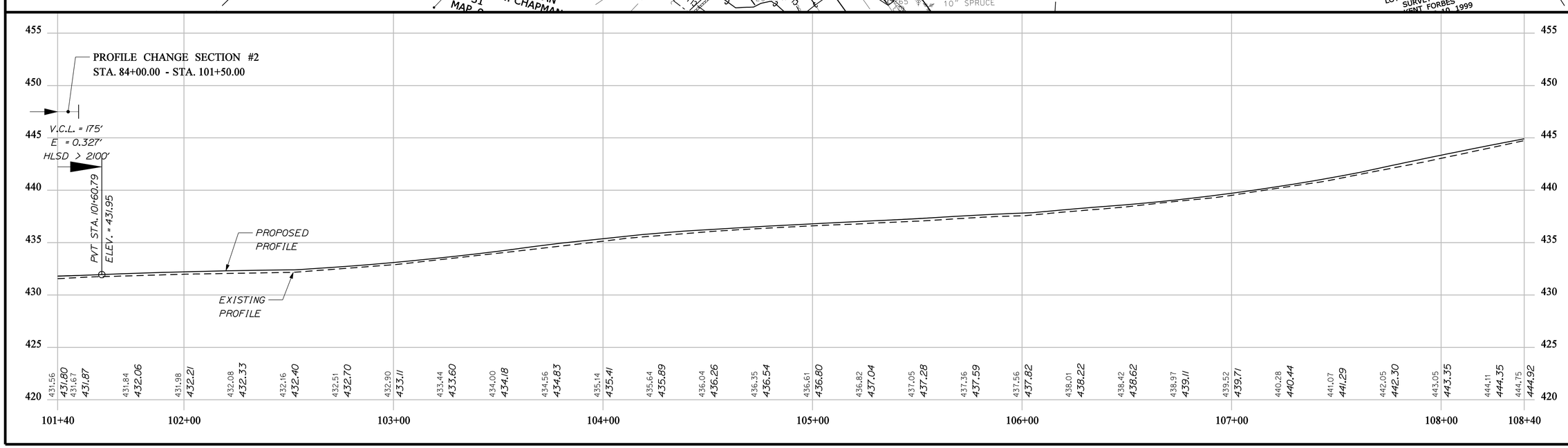
CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
41
OF 329

STA. 94+39.70 TO STA. 101+39.70





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bitner\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED		
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

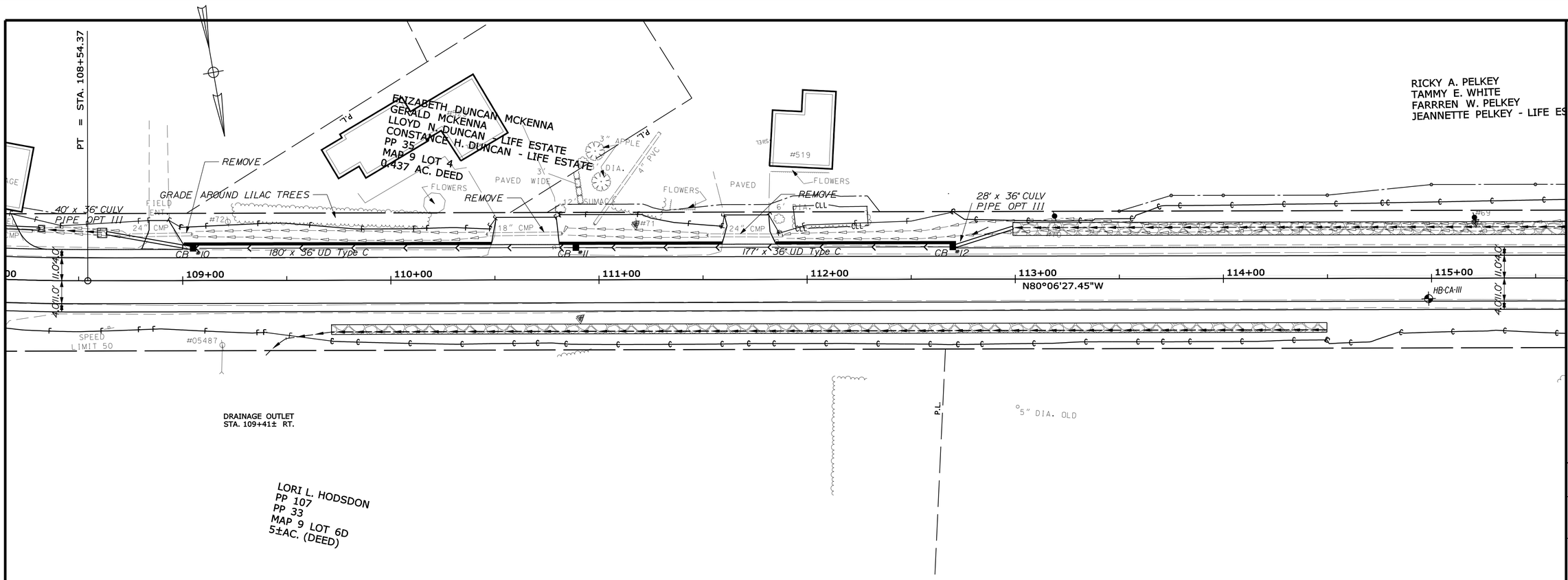
42

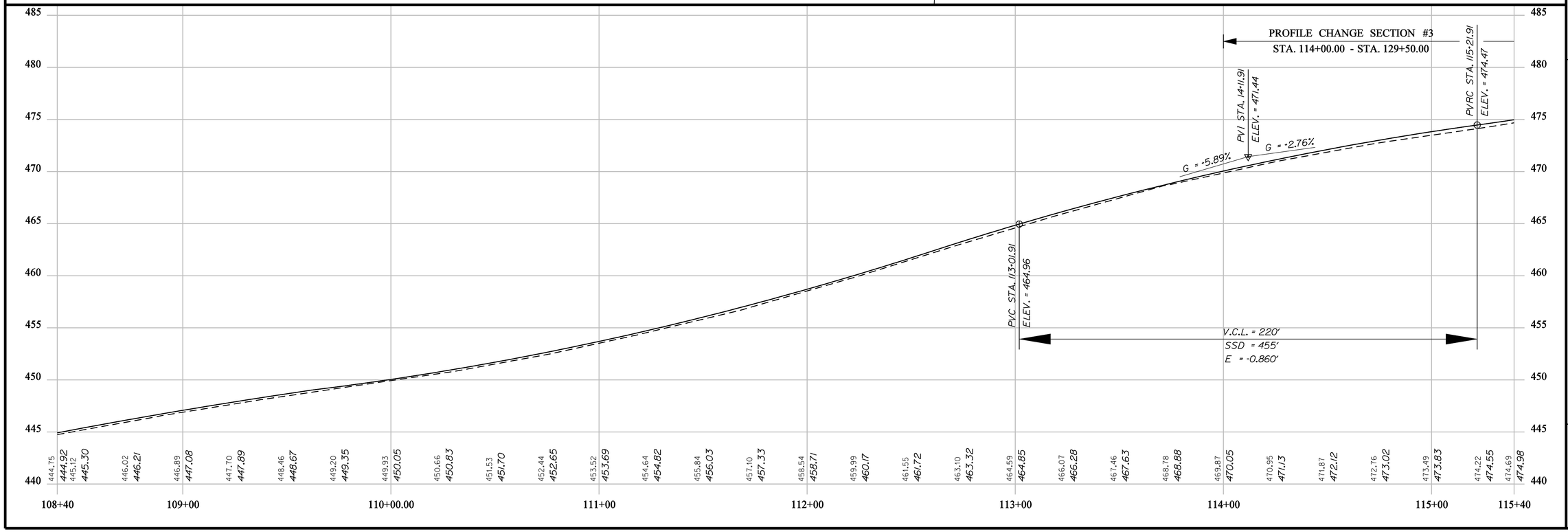
OF 329

STA.101+39.70 TO STA. 108+39.70

Filename: ...\highway\msta\042_HDPlan15.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\mst0\043_HDPlan16.dgn





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither/E.Merlon	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

43

OF 329

STA.108+39.70 TO STA. 115+39.70

Filename: ...\highway\msta\044_HDPlan17.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

HIGHWAY PLANS

WIN 012780.00

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED -----	-----	-----
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 -----	-----	-----
REVISIONS 1 -----		-----
REVISIONS 2 -----		-----
REVISIONS 3 -----		-----
REVISIONS 4 -----		-----
FIELD CHANGES -----		-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
44
OF 329

STA.115+39.70 TO STA. 122+39.70

Filename: ...\highway\msta\045_HDPlan18.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED ------	------	------
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 ------	------	------
REVISIONS 1 ------		
REVISIONS 2 ------		
REVISIONS 3 ------		
REVISIONS 4 ------		
FIELD CHANGES ------		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

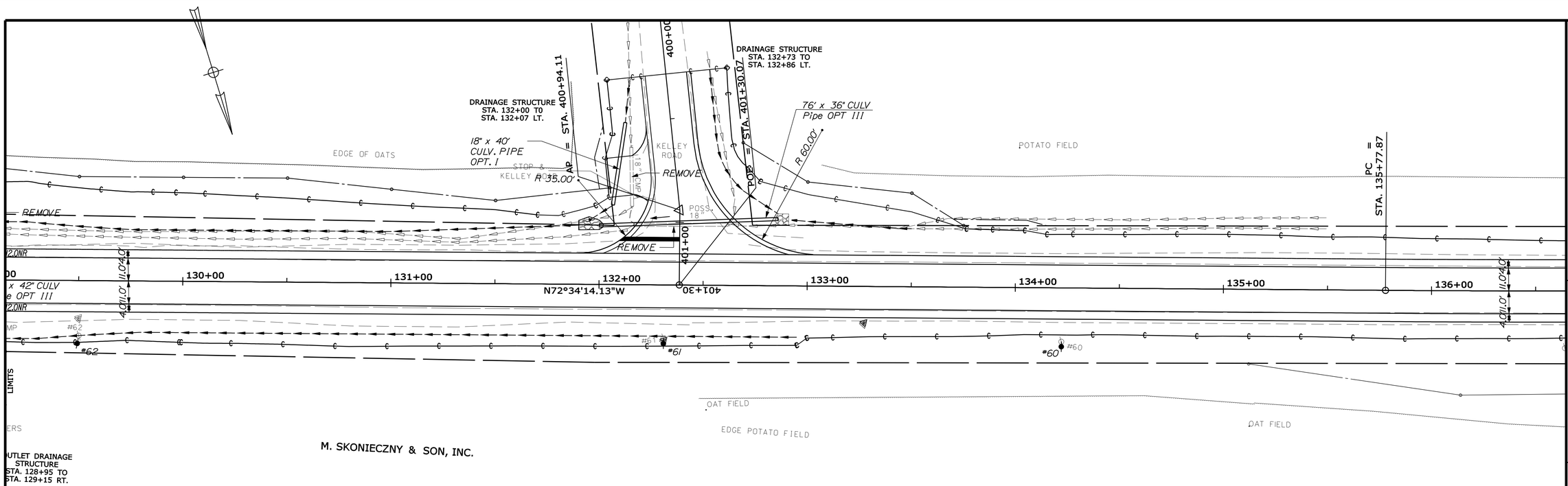
SHEET NUMBER

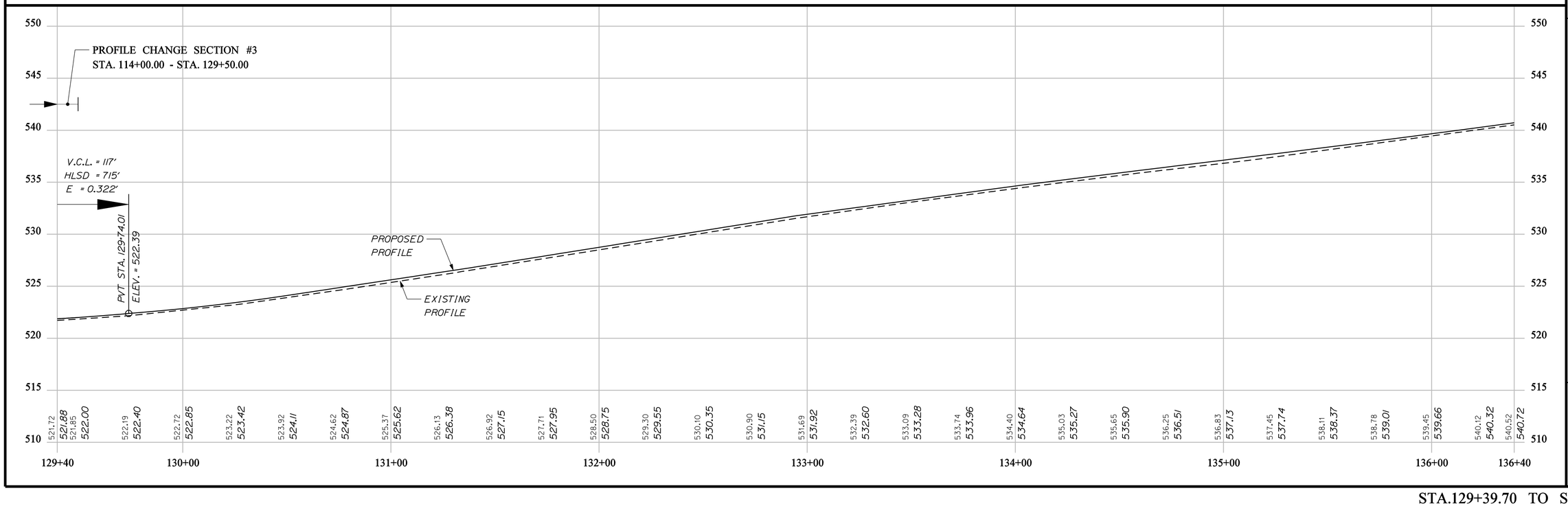
45

OF 329

STA.122+39.70 TO STA. 129+39.70

Filename: ...\highway\mst0\046_HDPlan19.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither/E.Martin		
DESIGN-DETAILED	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

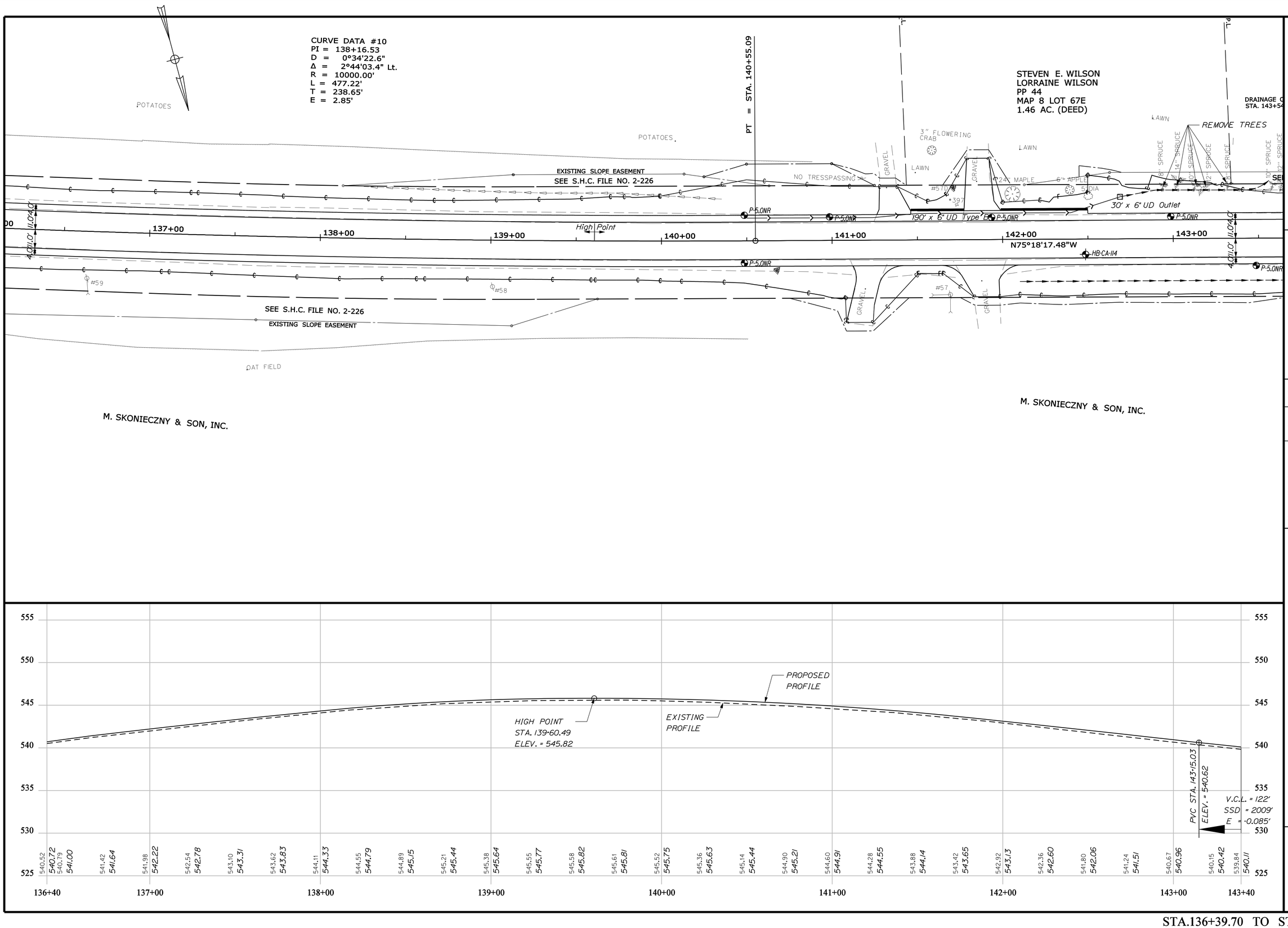
PLANS

SHEET NUMBER

46

OF 329

STA.129+39.70 TO STA. 136+39.70



STA.136+39.70 TO STA. 143+39.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

47

OF 329

Filename: ...\highway\mslo\047_HDPlan20.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	
	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	
REVISIONS 2	-----	
REVISIONS 3	-----	
REVISIONS 4	-----	
FIELD CHANGES	-----	

SIGNATURE

P.E. NUMBER

DATE

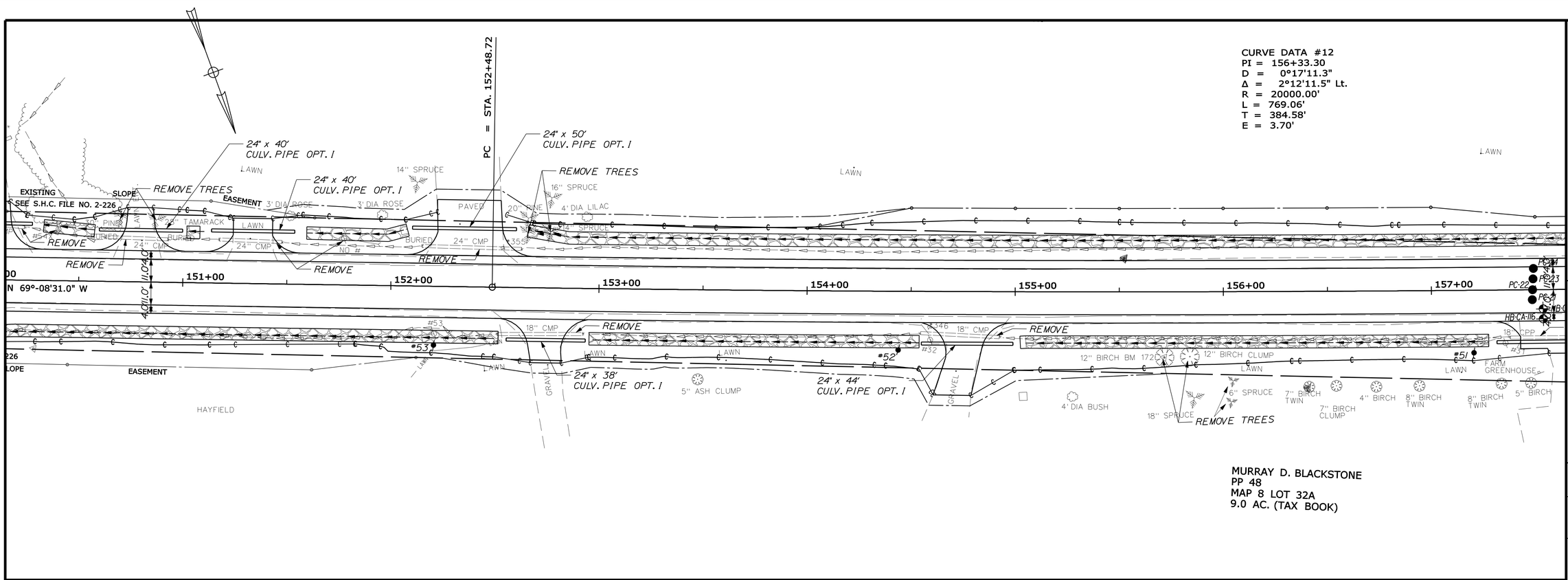
CARIBOU
STATE ROUTE 161

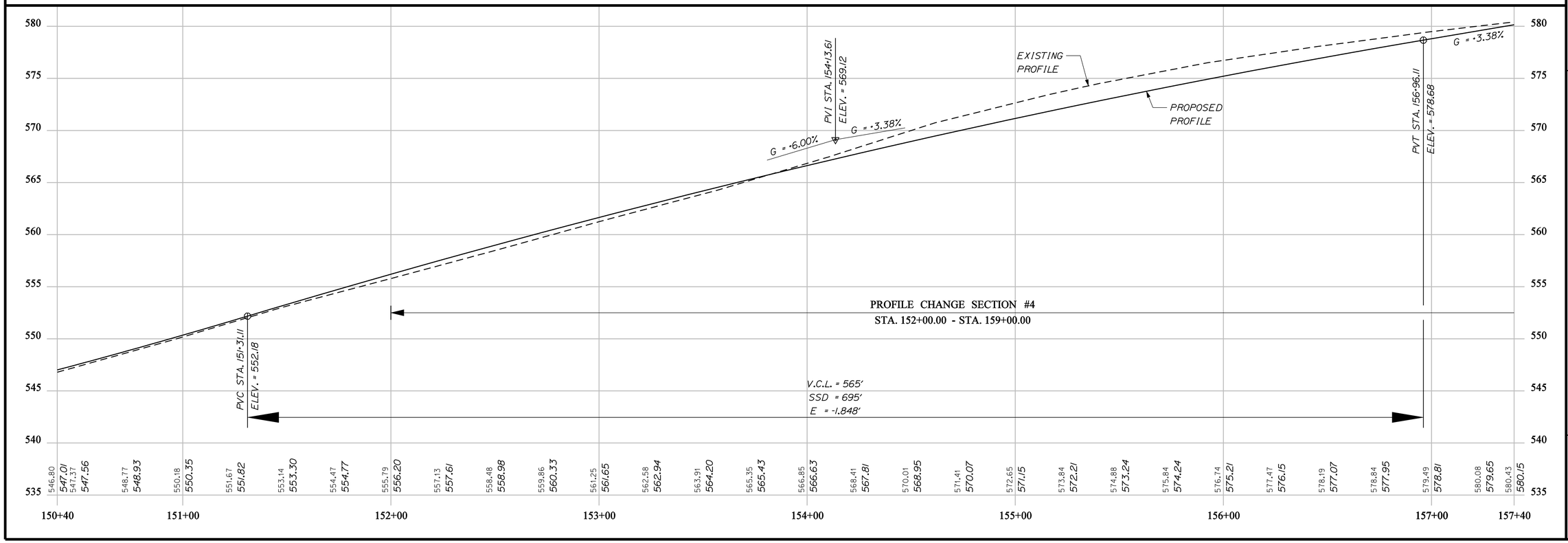
PLANS

SHEET NUMBER
48
OF 329

STA.143+39.70 TO STA. 150+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\msto\049_HDPlan22.dgn





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither/E.Merlon	
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

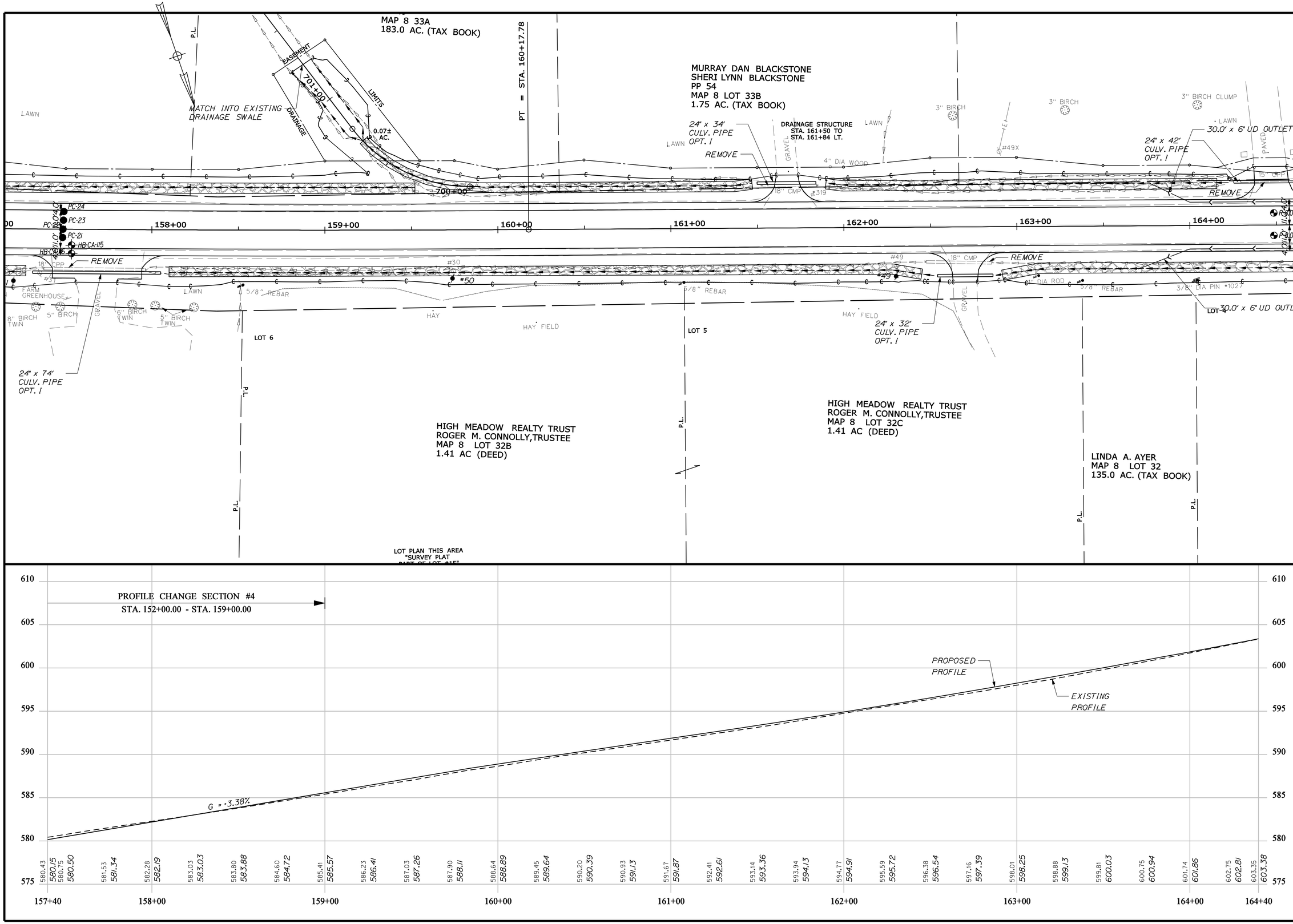
PLANS

SHEET NUMBER

49

OF 329

STA.150+39.70 TO STA. 157+39.70



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	JUNE 2013
CHECKED-REVIEWED	J. HARDEN	
DESIGN2-DETAILED2	S.HAYDEN	MAY 2013
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

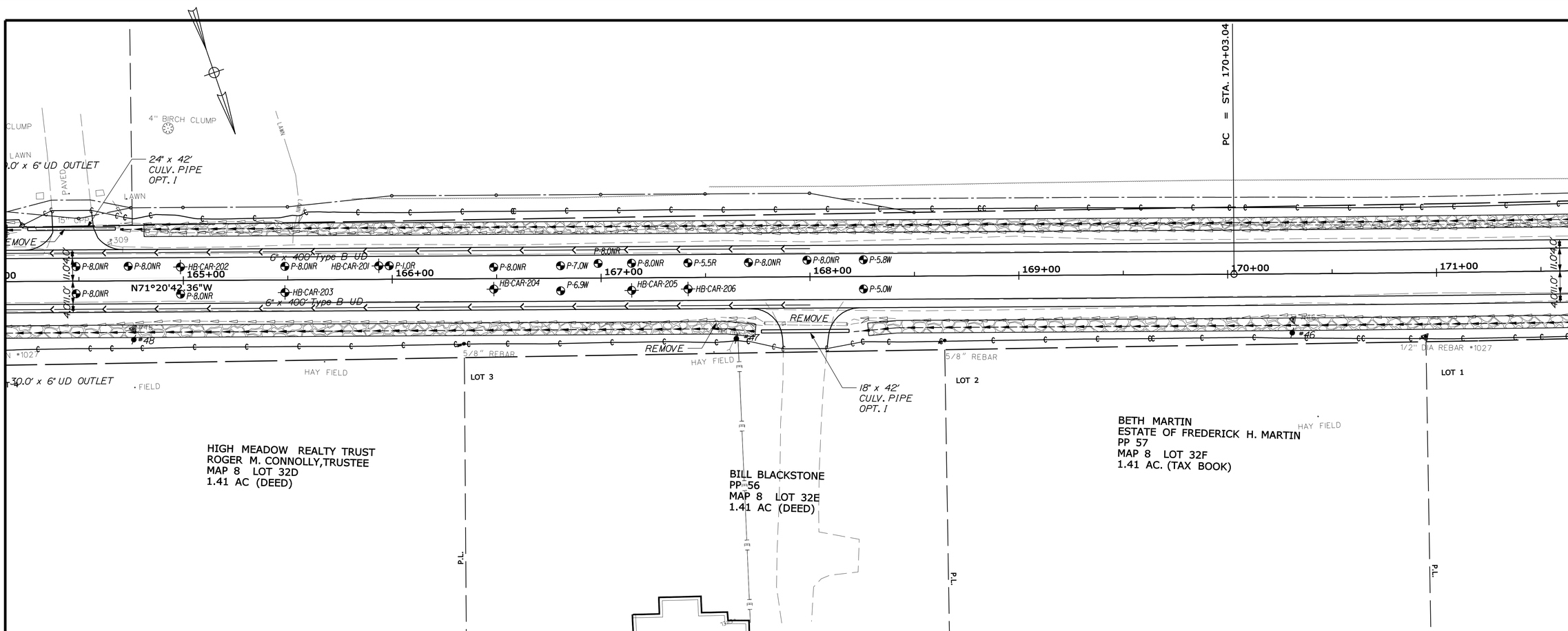
PLANS

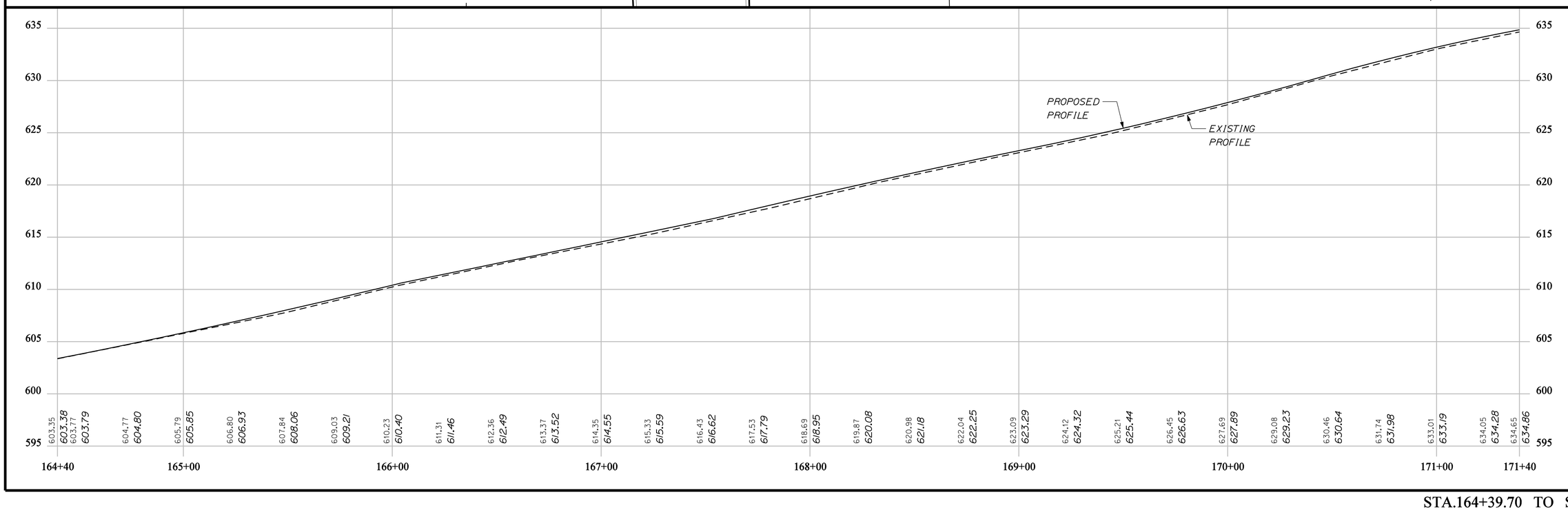
SHEET NUMBER
50
OF 329

STA.157+39.70 TO STA. 164+39.70

Filename: ...\highway\msta\050_HDPlan23.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\highway\rnsto\051_HDPlan24.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Merlon		
DESIGN-DETAILED	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	T. WHITE	MAY 2013
DESIGN3-DETAILED3	----------	----------
REVISIONS 1	----------	----------
REVISIONS 2	----------	----------
REVISIONS 3	----------	----------
REVISIONS 4	----------	----------
FIELD CHANGES	----------	----------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

51

OF 329

STA.164+39.70 TO STA. 171+39.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED -----	-----	-----
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 -----	-----	-----
REVISIONS 1 -----		-----
REVISIONS 2 -----		-----
REVISIONS 3 -----		-----
REVISIONS 4 -----		-----
FIELD CHANGES -----		-----

SIGNATURE

P.E. NUMBER

DATE

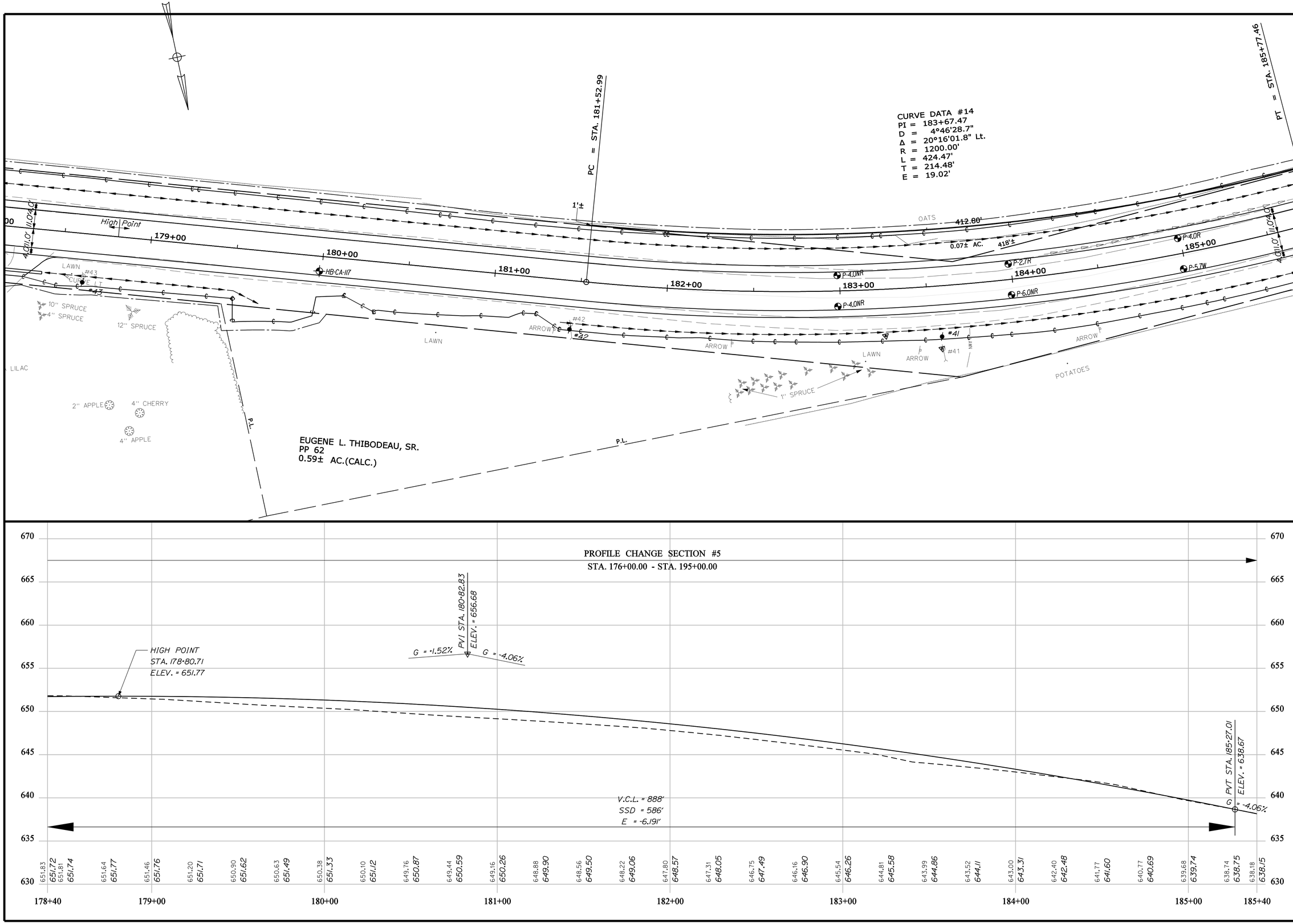
CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
52
OF 329

STA.171+39.70 TO STA. 178+39.70

Filename: ...\highway\msta\052_HDPlan25.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED ------	------	------
DESIGN2-DETAILED2 S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3 ------	------	------
REVISIONS 1 ------	------	------
REVISIONS 2 ------	------	------
REVISIONS 3 ------	------	------
REVISIONS 4 ------	------	------
FIELD CHANGES ------	------	------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
53
OF 329

STA.178+39.70 TO STA. 185+39.70

Filename: ...\highway\msta\053_HDPlan26.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\highway\msta\054_HDPlan27.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	J.Bither\E.Martin	
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	
REVISIONS 2	-----	-----	
REVISIONS 3	-----	-----	
REVISIONS 4	-----	-----	
FIELD CHANGES	-----	-----	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

54

OF 329

STA.185+39.70 TO STA. 192+39.70

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\msto\055_HDPlan28.dgn

TAX MAP 8 LOT 34A
0.25 AC. TAX BOOK

HOUSE
SHED
LAWN
2" MAPLE
12" SPRUCE
12" WIDE ROCK
PAVED
LAWN
POTATOES
POTATOES
GRAVEL
18" PCP
18" CPP
18" CPP
24" CPP
ROAD UNDERMINED
TO CROWN PARK INN
35 MPH AHEAD
LAWN
LAWN
4" BIRCH TWIN
ACCUL'Y 11.04'
ACCUL'Y 11.04'

P-7.5R P-3.5R P-5.0NR P-3.1W P-6.0R P-5.0NR P-3.7R P-2.3R P-4.2R P-5.9R
P-7.2R P-2.8R P-5.0NR P-2.4R P-5.0R P-1.9W P-3.2W P-1.9R P-3.3W P-3.7W P-5.0NR P-2.5R P-4.5R

193+00 194+00 195+00 196+00 197+00 198+00 199+00

PC-25 PC-26 PC-27 PC-28 HB:CA:IIB

S82°14'53.91"W

GERALD F. NICKERSON
PATRICIA C. NICKERSON
PP 109
TAX MAP 11 LOT 46
1.0 .AC. TAX BOOK

PROFILE CHANGE SECTION #5
STA. 176+00.00 - STA. 195+00.00

PVCC STA.193+42.42
ELEV. = 592.45

PVI = STA.193+77.88
ELEV. = 589.09

PVRC STA.194+13.35
ELEV. = 585.15

PVI STA.195+13.35
ELEV. = 574.04

PVT STA.196+13.35
ELEV. = 564.86

G = -9.47%
G = -11.11%
G = -11.11%
G = -9.18%

V.C.L. = 381'
SSD = 430'
E = -2.146'

V.C.L. = 71'
SSD = 690'
E = -0.146'

V.C.L. = 200'
HLSD = 2134'
E = 0.484'

EXISTING PROFILE
PROPOSED PROFILE

602.23	598.87	596.51	594.12
601.55	598.56	596.36	594.08
601.24			
600.69			

591.72	589.23	586.73	583.85	580.94	578.30	575.67	573.10	570.62	568.24
591.72	589.24	586.61	583.86	581.14	578.48	575.88	573.35	570.87	568.45

565.91	563.53	561.15	558.67	556.11	553.67	551.34	549.10	547.00	544.99	543.11	541.26	539.52	537.76	536.63
566.09	563.78	561.42	558.98	556.51	554.13	551.84	549.64	547.52	545.50	543.57	541.71	539.92	538.07	536.96

192+40 193+00 194+00 195+00 196+00 197+00 198+00 199+00 199+40

STA.192+39.70 TO STA. 199+39.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Merlon	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

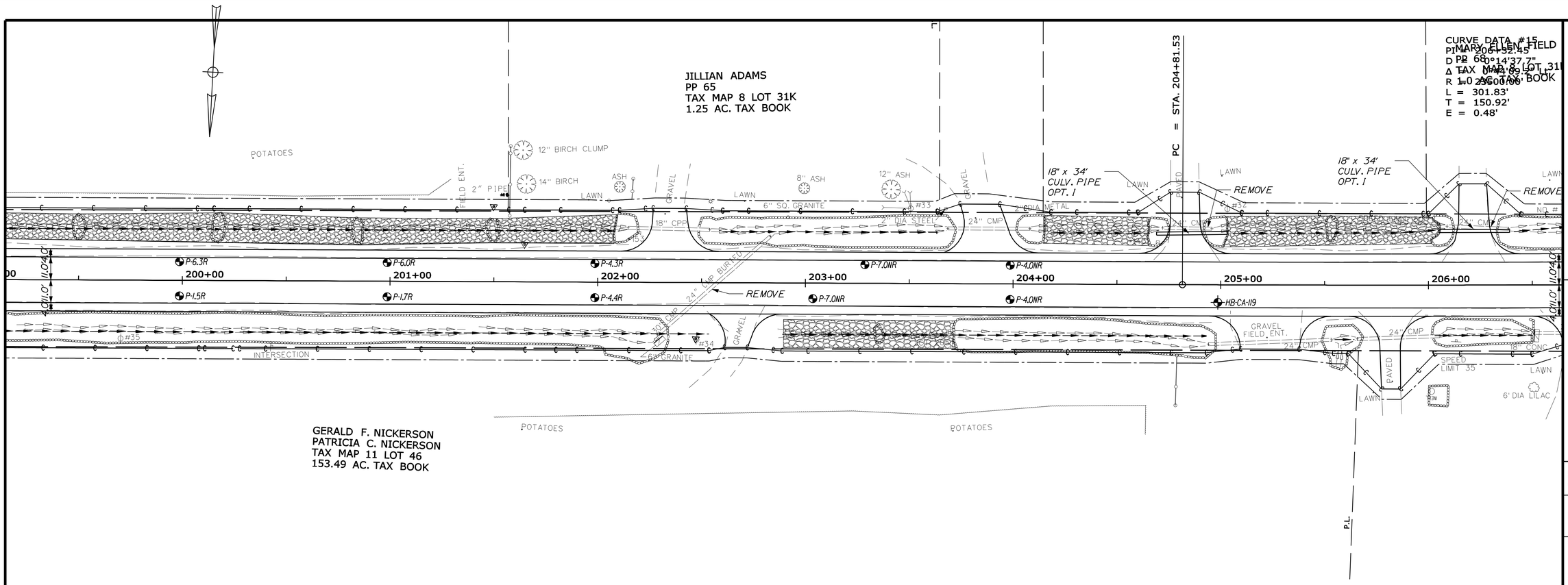
DATE

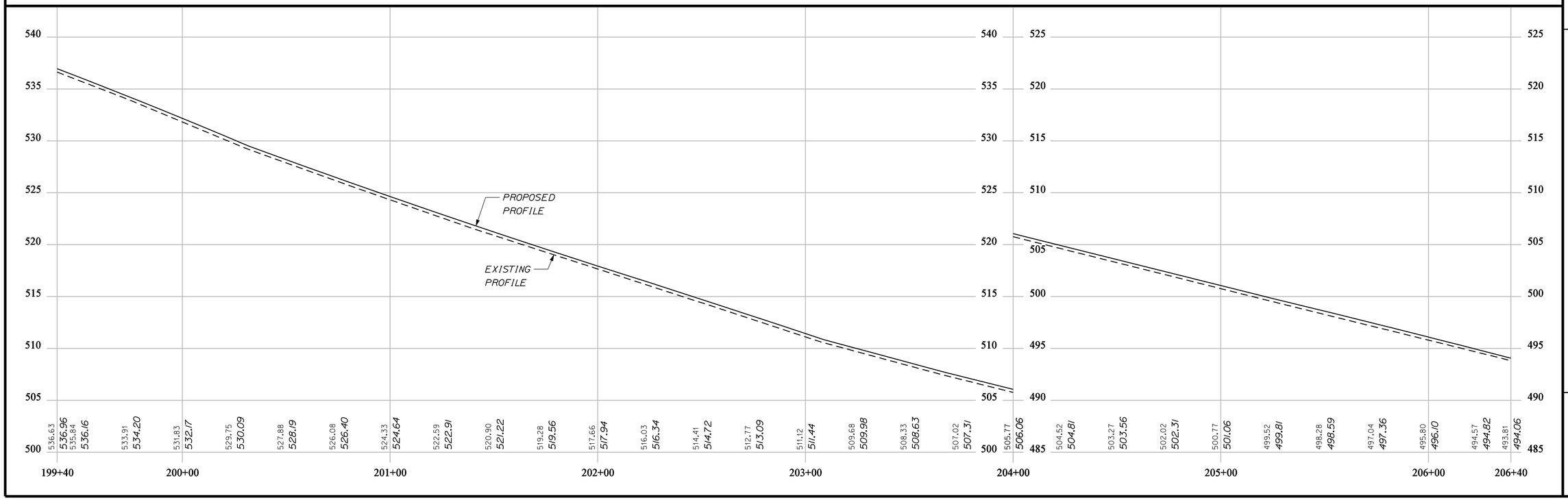
CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER
55
OF 329

Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY
Filename: ...\highway\msto\056_HDPlan29.dgn





STA.199+39.70 TO STA. 206+39.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

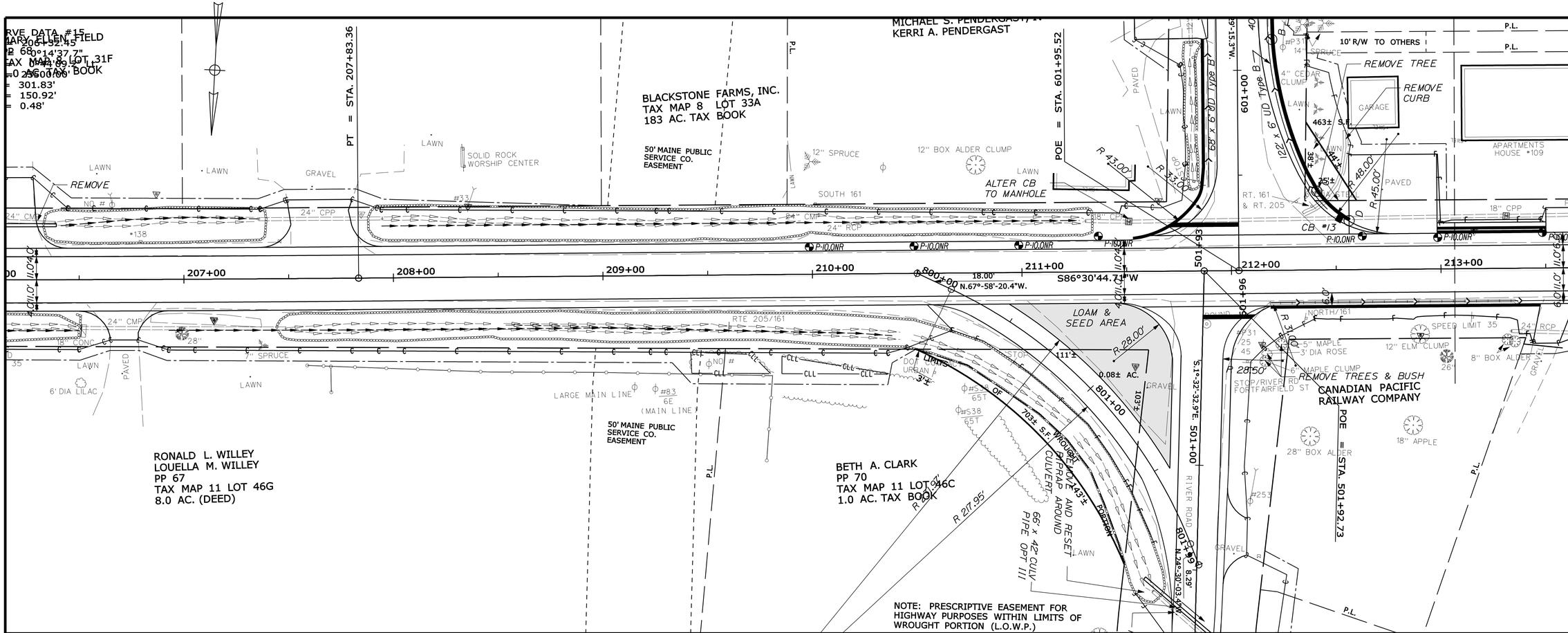
CARIBOU
STATE ROUTE 161

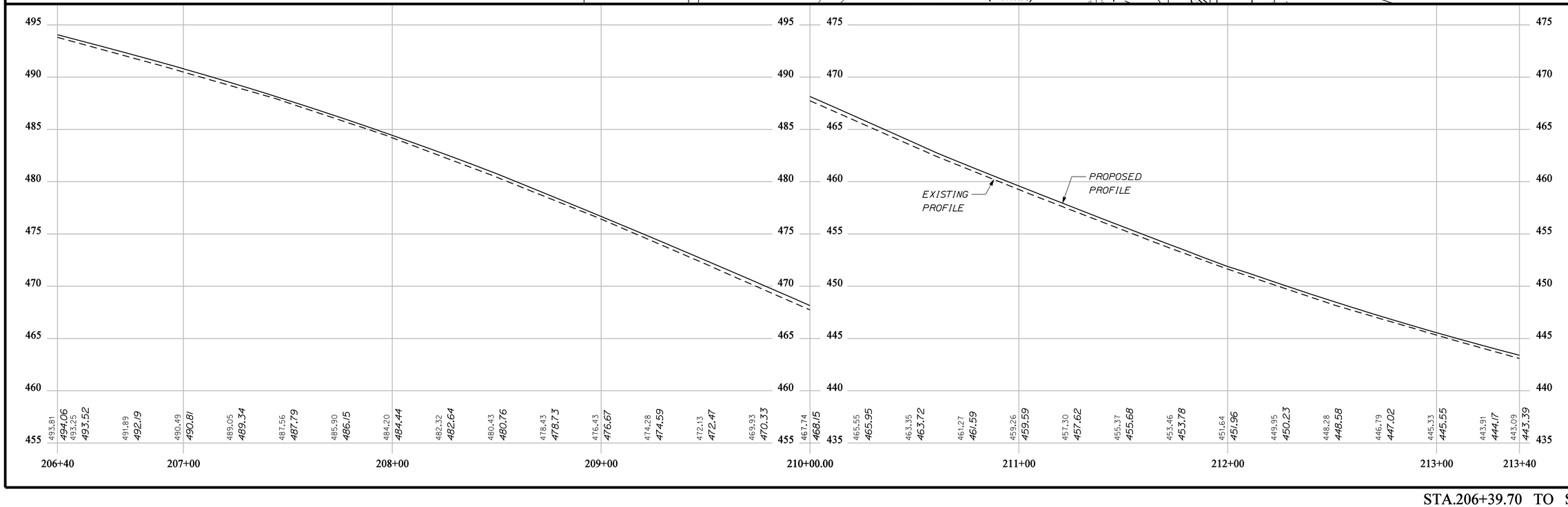
PLANS

SHEET NUMBER

56

OF 329





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED		
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

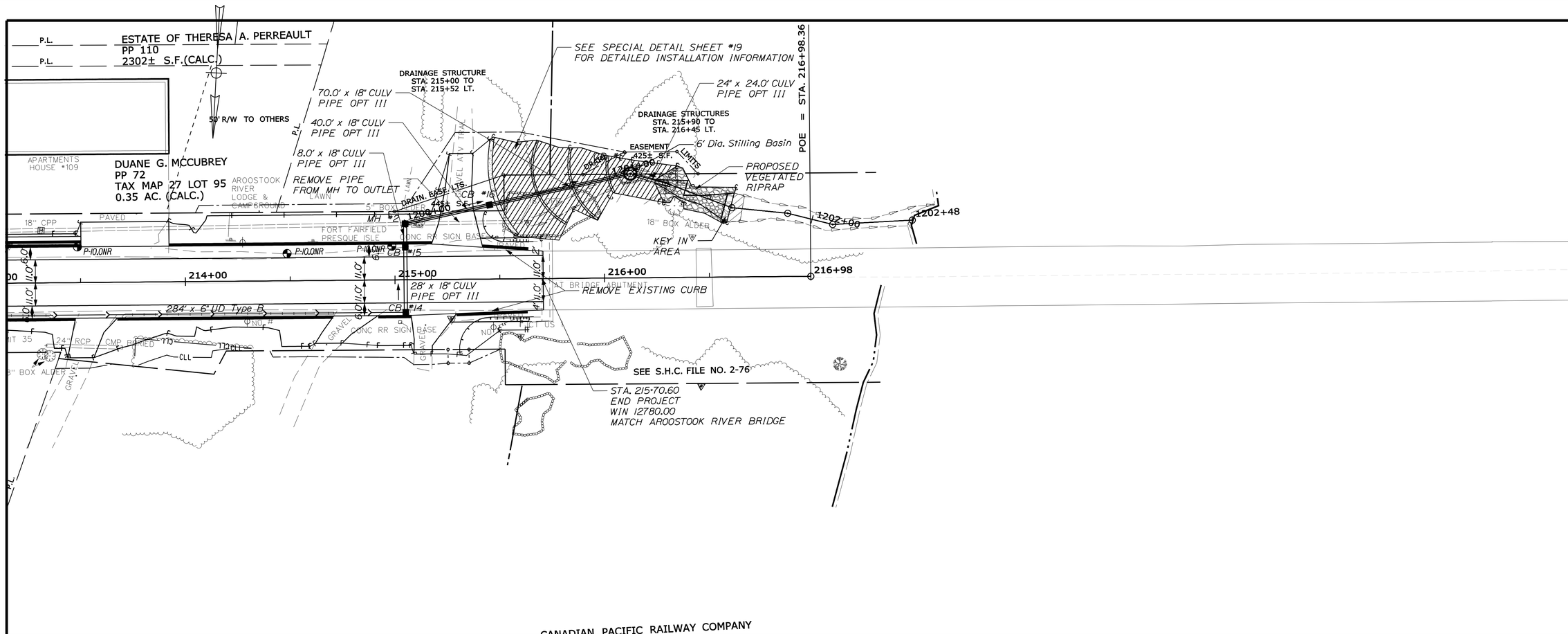
SHEET NUMBER

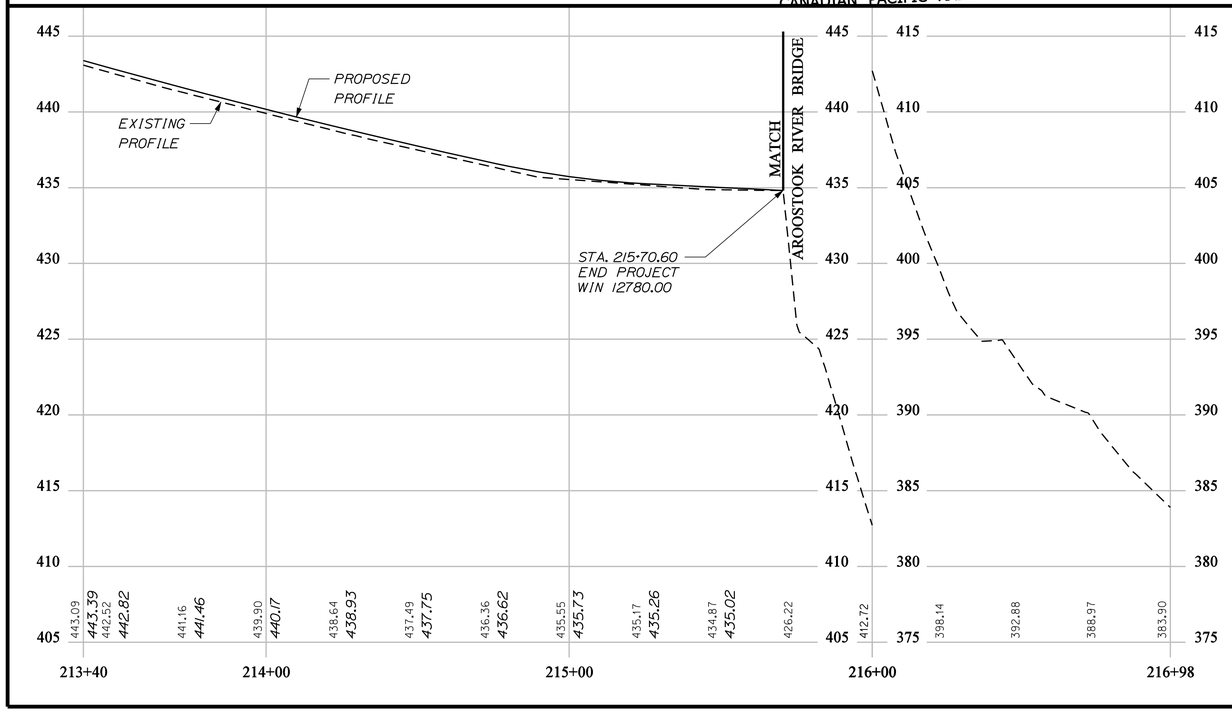
57

OF 329

STA.206+39.70 TO STA. 213+39.70

Filename: ...\highway\msta\057_HDPlan30.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

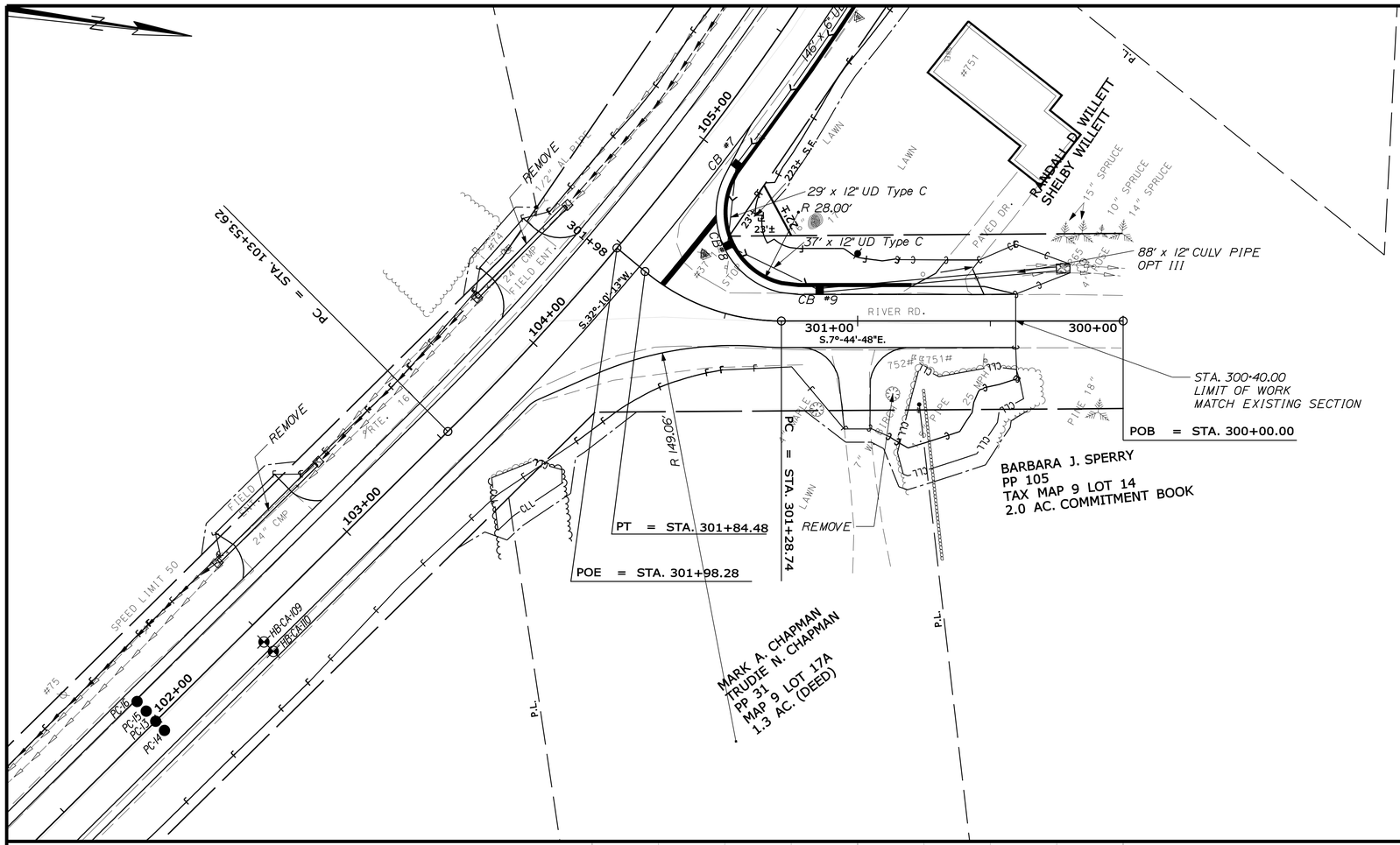
CARIBOU
STATE ROUTE 161

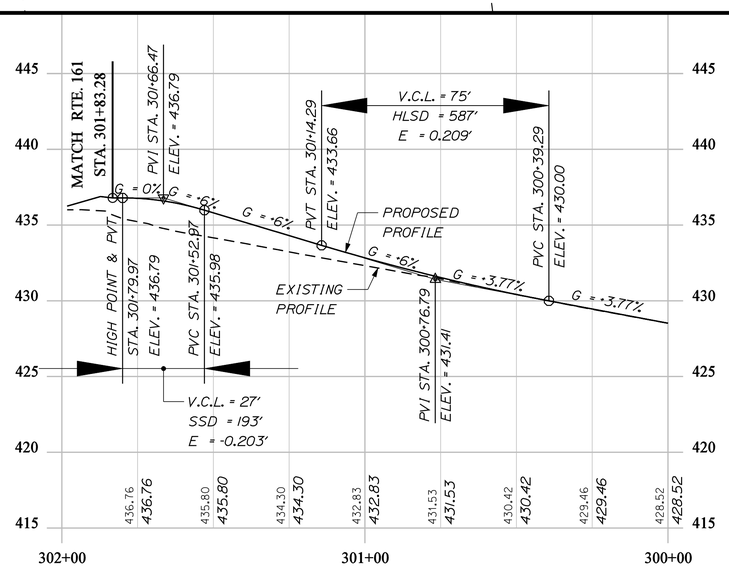
PLANS

SHEET NUMBER
58
OF 329

STA.213+39.70 TO STA. 216+98.36

Filename: ...\highway\msta\058_HDPlan31.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





END OF RIVER RD.

STA. 300+00.00 TO STA. 301+83.28

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

59

OF 329

Filename: ...\059_HDPlan32_River Rd 2.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\msta\060_HDPlan33_Kelly Rd.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

KELLY RD.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

PROJ. MANAGER	J.Bither\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	S.HAYDEN	T.WHITE	MAY 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

PLANS

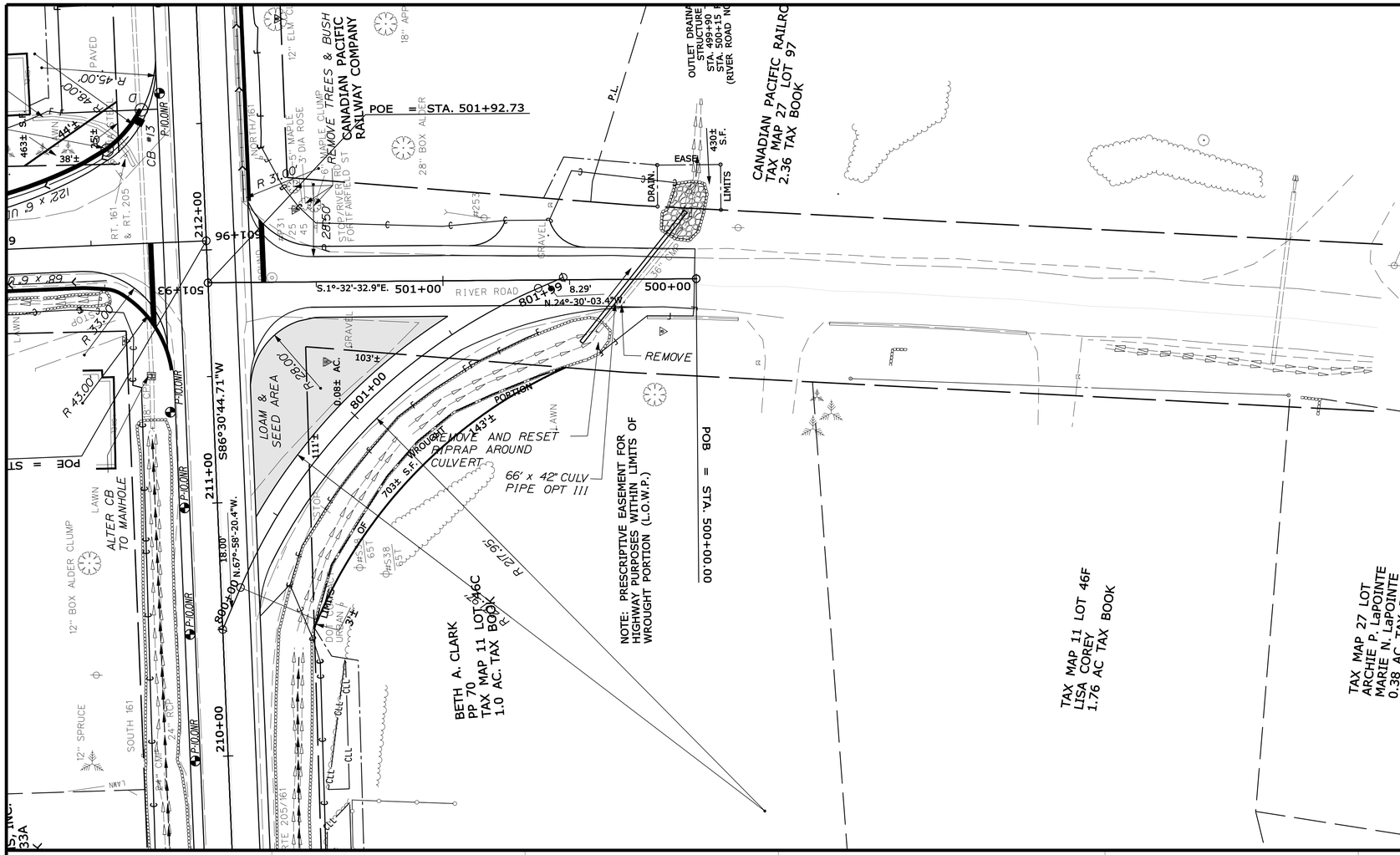
SHEET NUMBER

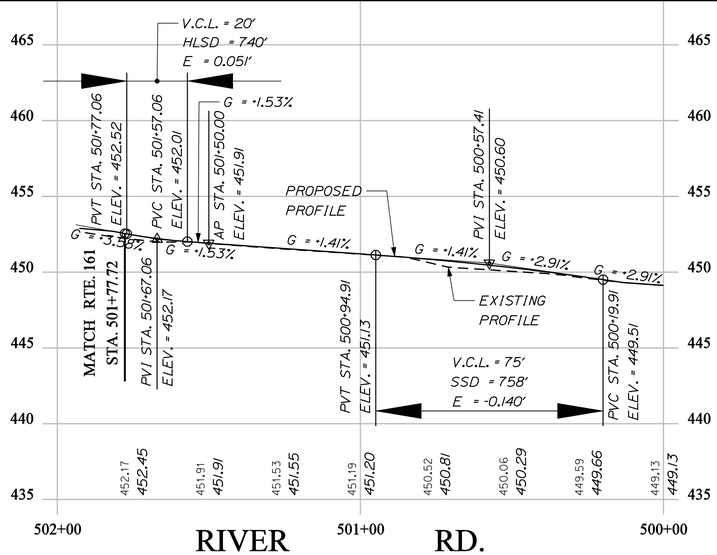
60

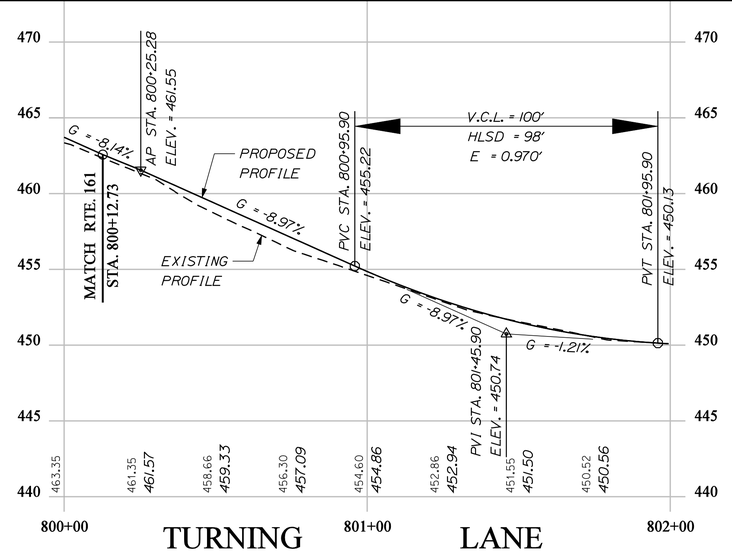
OF 329

STA.400+28.32 TO STA. 401+15.13

Filename: ...\061_HDPlan.dgn Username: natasha.m.collins Date:3/4/2015







PROJ. MANAGER	J.Bilner\E.Martin	BY	DATE
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-------	-------	------- P.E. NUMBER
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------ DATE
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

PLANS

SHEET NUMBER

61

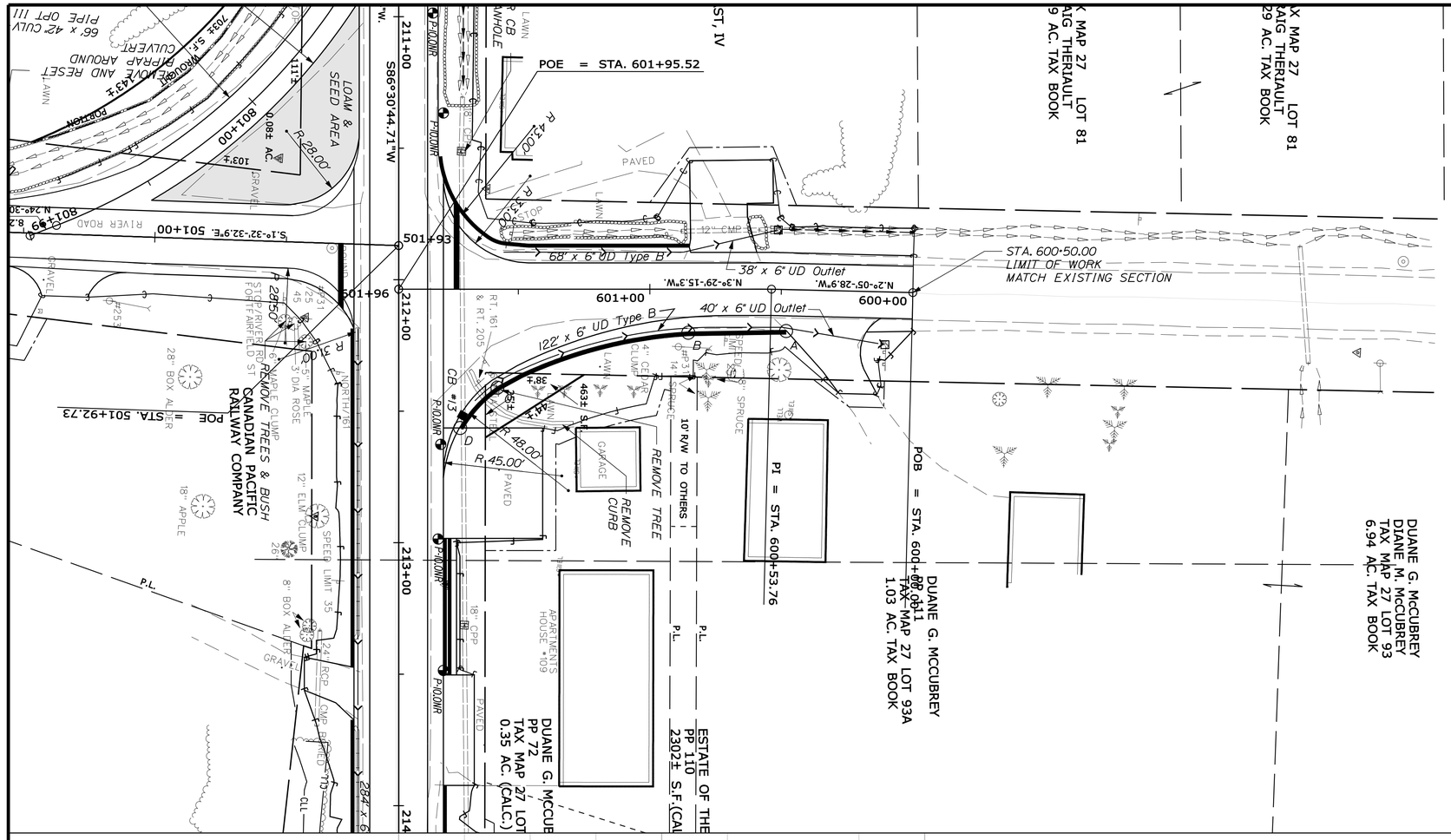
OF 329

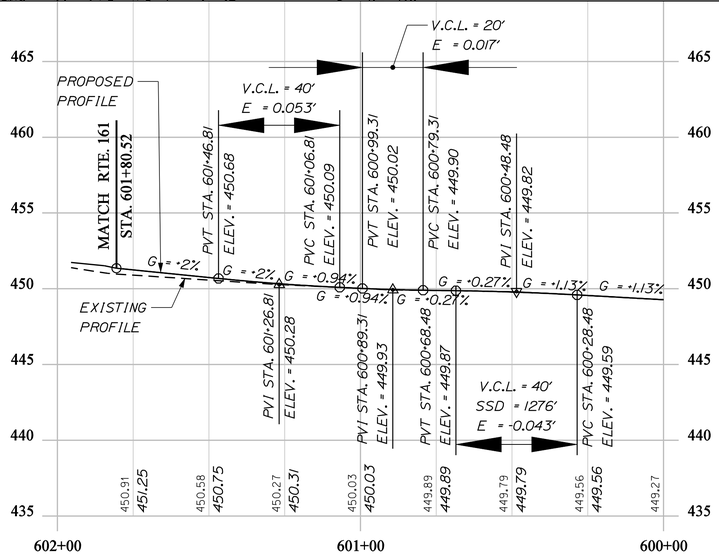
STA.500+00.00 TO STA. 501+77.72

Username: natasha.m.collins Date:3/4/2015

Division: HIGHWAY

Label	Station	Offset		Radius (ft)
A	600+48.14	15.78'	LT	
				48'
B	600+85.28	16.55'	LT	
				167'
C	601+67.92	37.44'	LT	
D	601+72.07	52.76'	LT	





RTE. 205

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	J.Bither\E.Martin		
DESIGN-DETAILED	N.COLLINS	J. HARDEN	JUNE 2013
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S.HAYDEN	T. WHITE	MAY 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

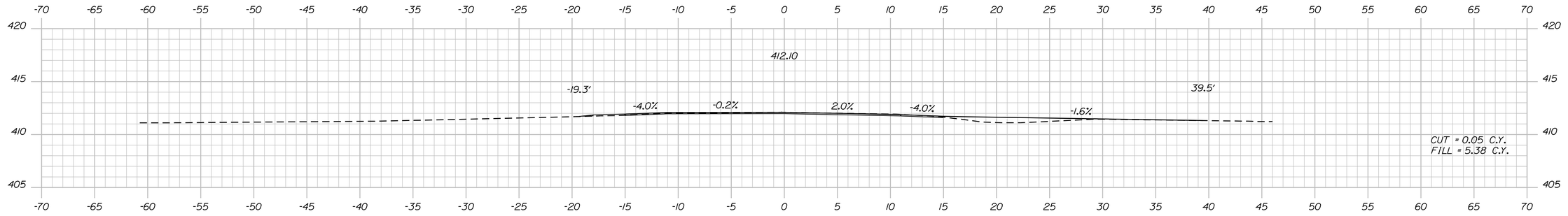
PLANS

SHEET NUMBER

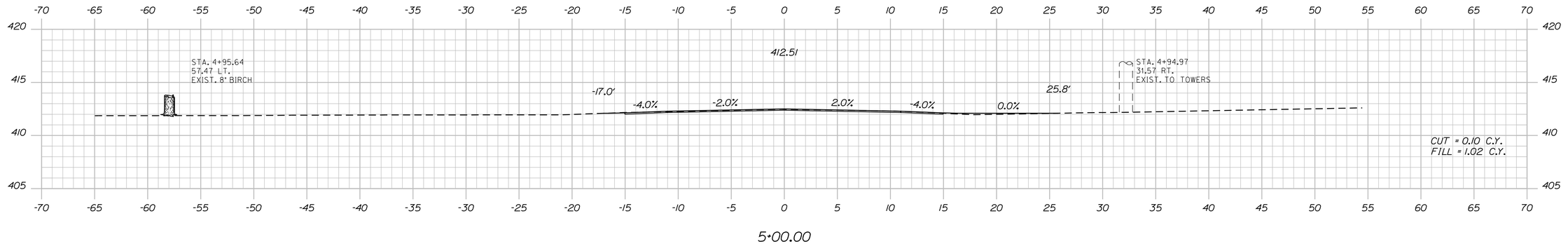
62

OF 329

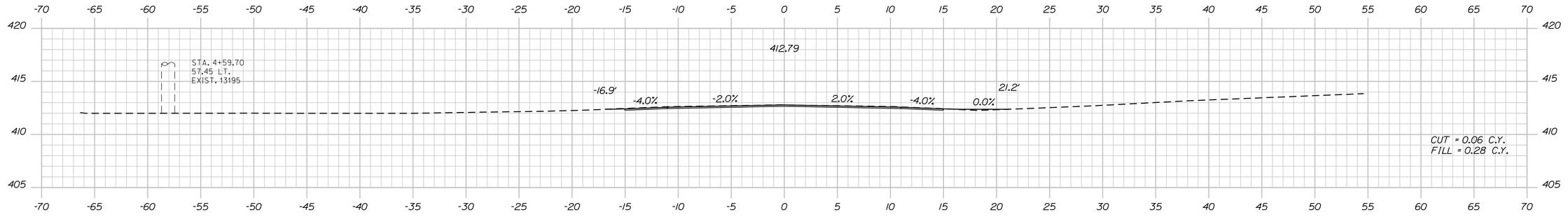
STA.600+00.00 TO STA. 601+80.52



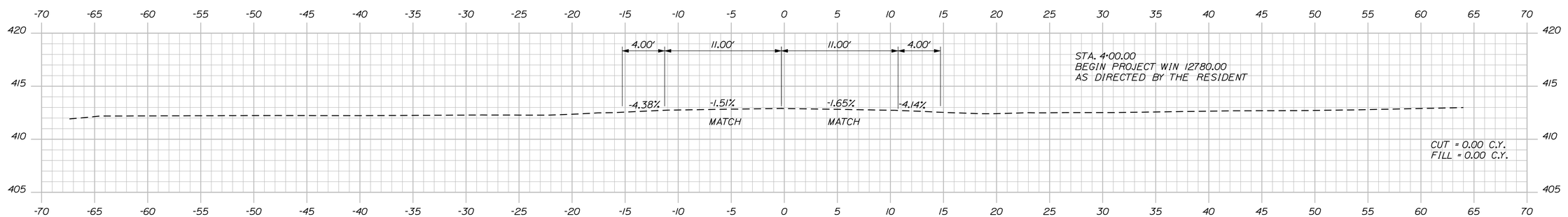
5+50.00



5+00.00



4+50.00



4+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	DATE
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	
REVISIONS 1	-----	-----	$revdate1$	P.E. NUMBER
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

63

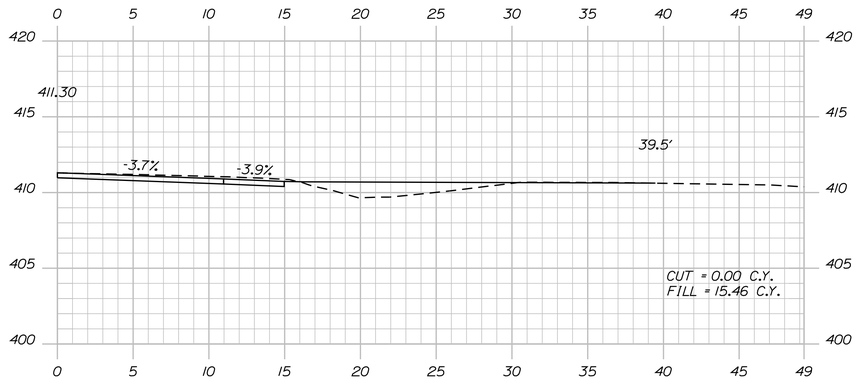
OF 329

Sta. 4+00.00 to Sta. 5+50.00

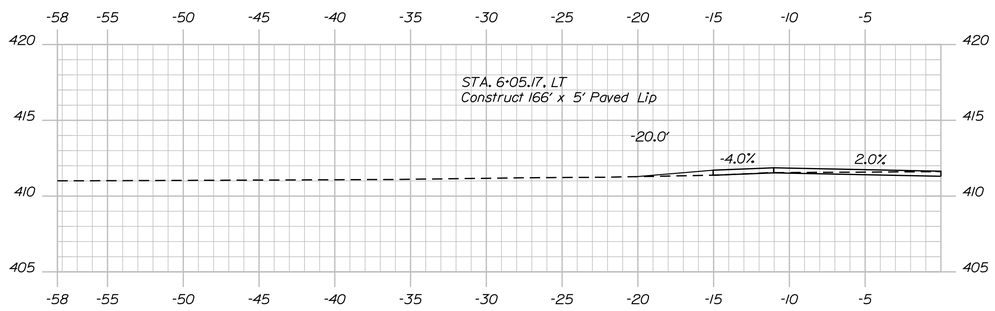
Username: natasha.m.collins Date:3/4/2015

Filename: ...\063_Xsect_FINAL Section 1_4+00_0010.dgn Division: HIGHWAY

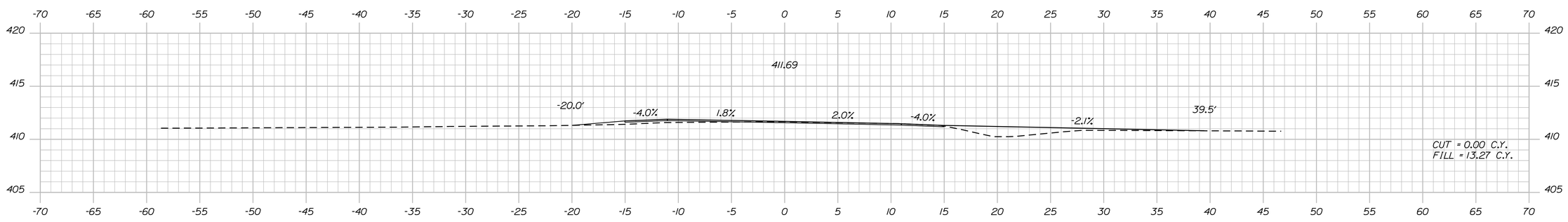
Username: natasha.m.collins Date:3/4/2015
Filename: ...\064_Xsect_FINAL Section 1_6+00_002.dgn Division: HIGHWAY



6+47.01



6+05.17



6+00.00

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$	P.E. NUMBER
REVISIONS 2	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	SIGNATURE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

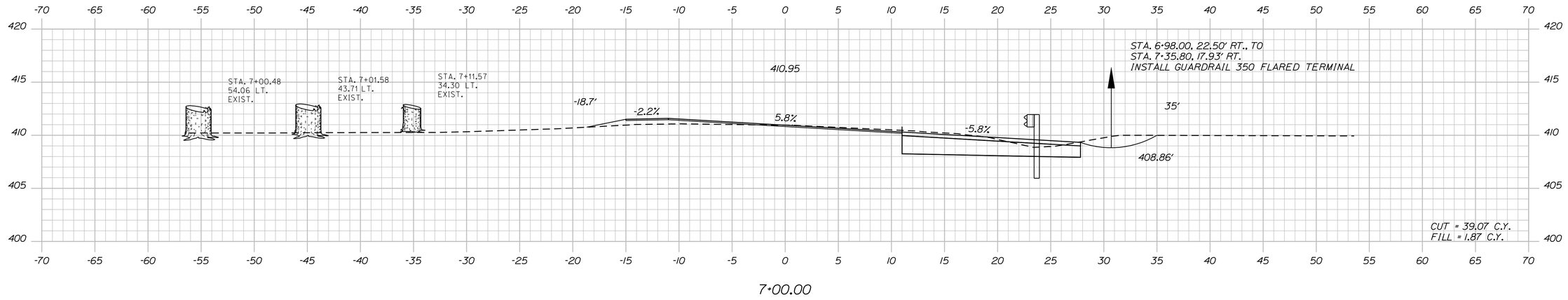
CROSS SECTIONS

SHEET NUMBER

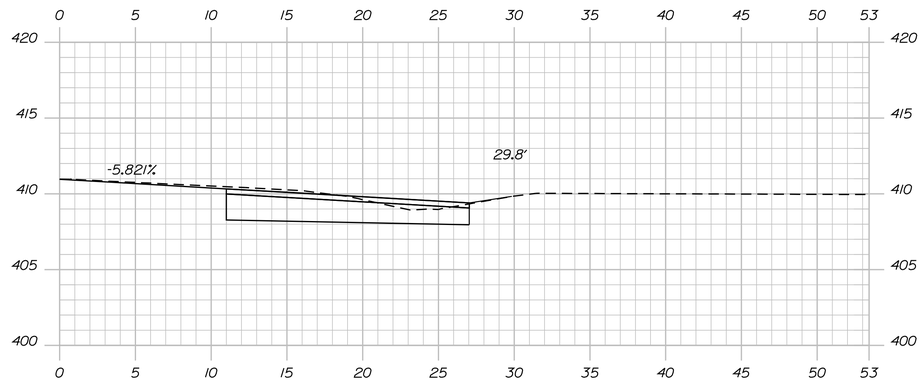
64

OF 329

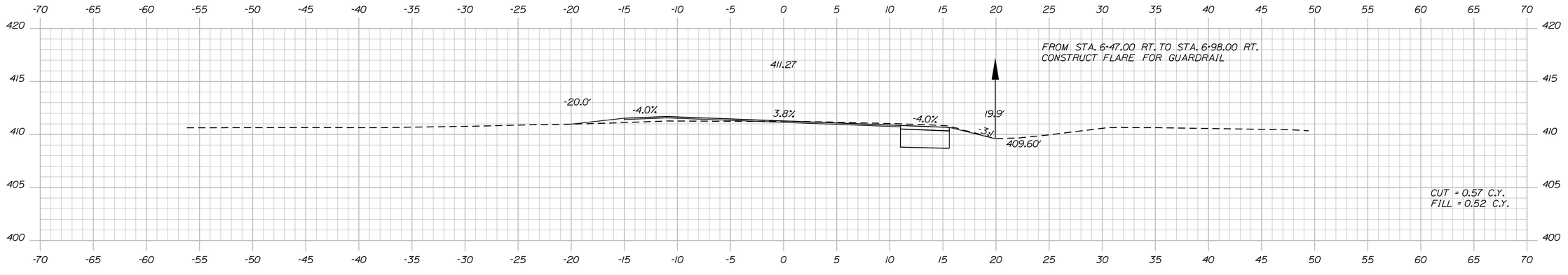
Sta. 6+00.00 to Sta. 6+47.01



7+00.00



6+97.29



6+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

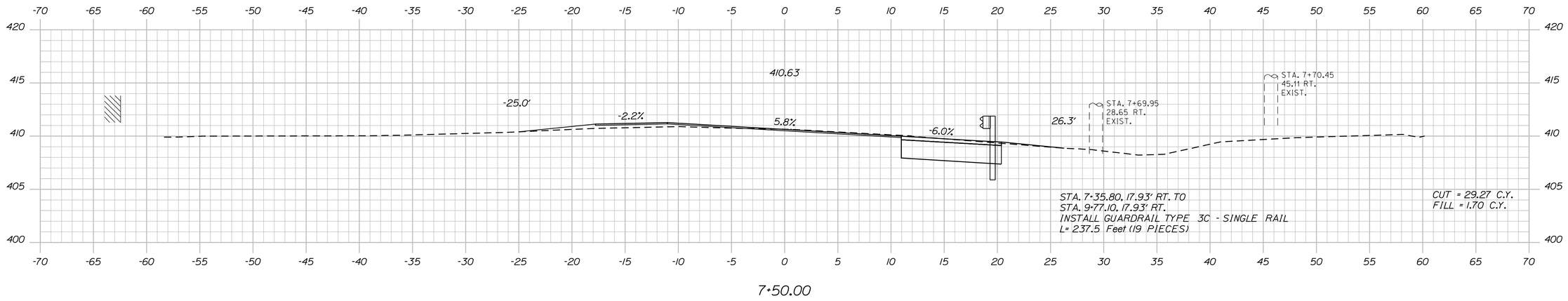
SHEET NUMBER

65

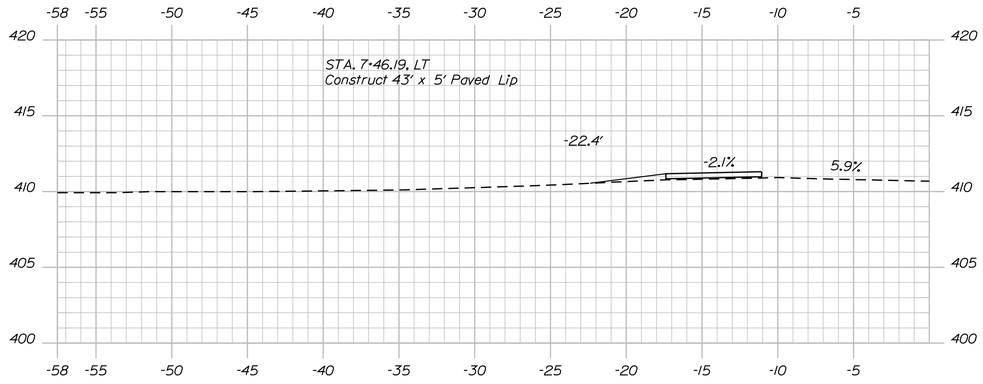
OF 329

Sta. 6+50.00 to Sta. 7+00.00

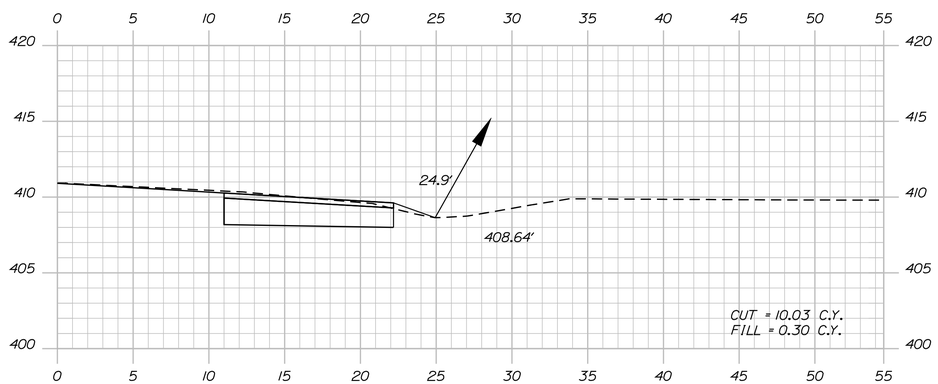
Filename: ...\065_Xsect_FINAL Section 1_6+50_007+00.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



7+50.00



7+46.19



7+10.33

Sta. 7+10.33 to Sta. 7+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$	------	$revdate3$
REVISIONS 4	$revision4$	------	$revdate4$
FIELD CHANGES	$fieldchange$	------	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

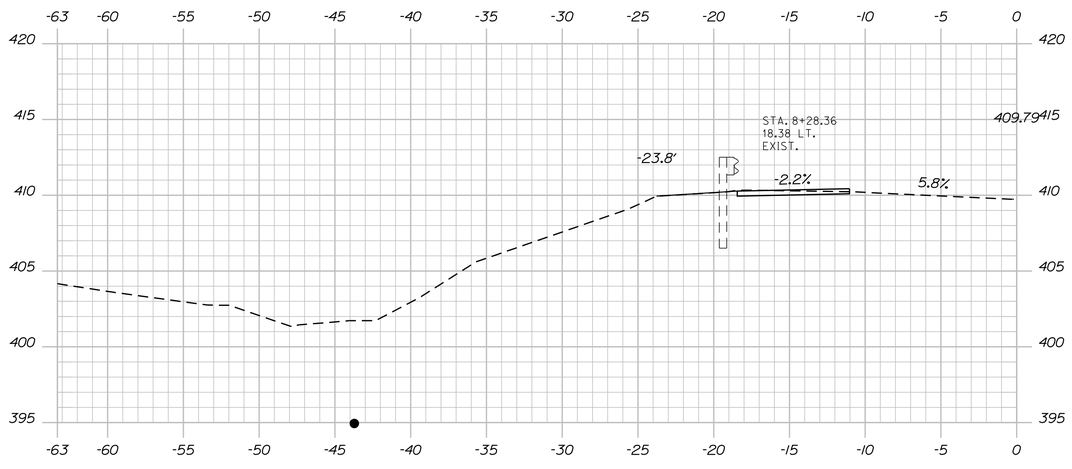
CROSS SECTIONS

SHEET NUMBER

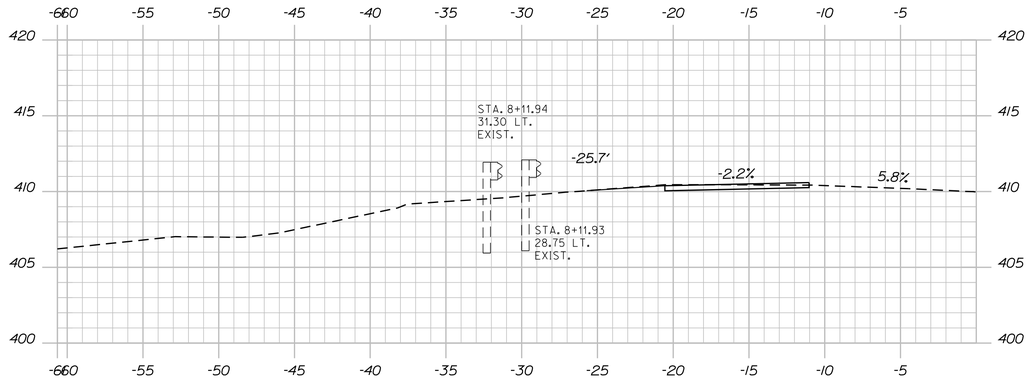
66

OF 329

Filename: ...\066_Xsect_FINAL Section 1_7+10_004.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



8+28.55



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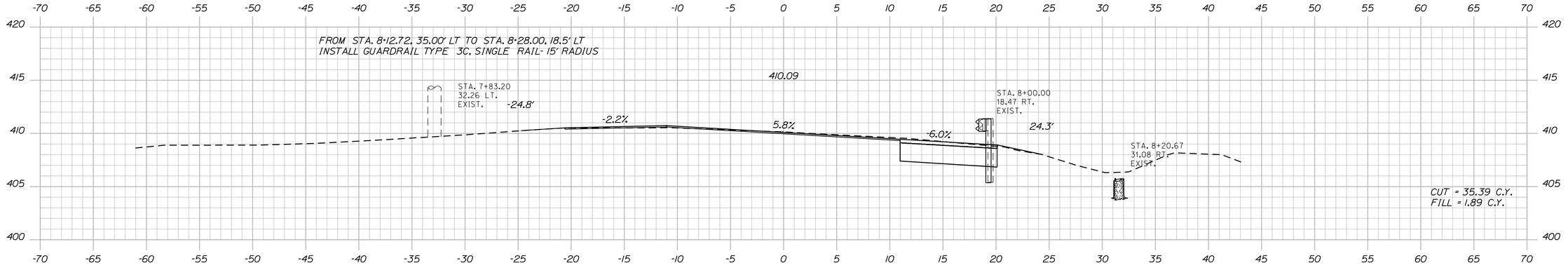


8+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	_____	$revdate3$
REVISIONS 4	$revision4$	_____	$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

67

OF 329

Sta. 8+00.00 to Sta. 8+28.55

Filename: ...\067_Xsect_FINAL Section 1_8+00_00Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

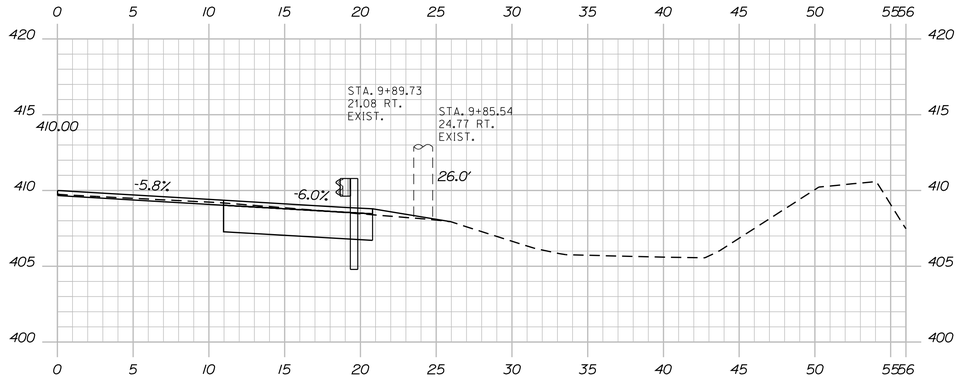
68

OF 329

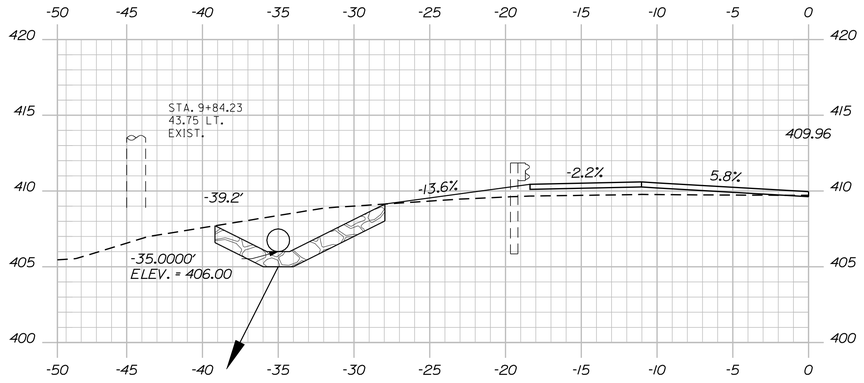
Sta. 8+50.00 to Sta. 9+00.00

Username: natasha.m.collins Date:3/4/2015

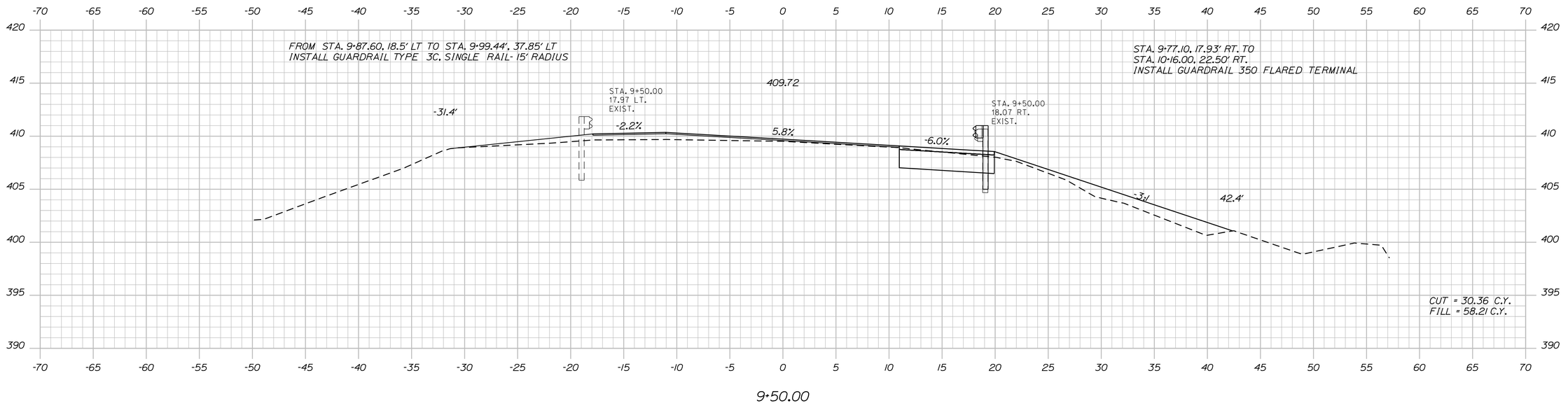
Filename: ...\068_Xsect_FINAL Section 1_8+50_00 Design: HIGHWAY



9+89.63



9+84.59



9+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

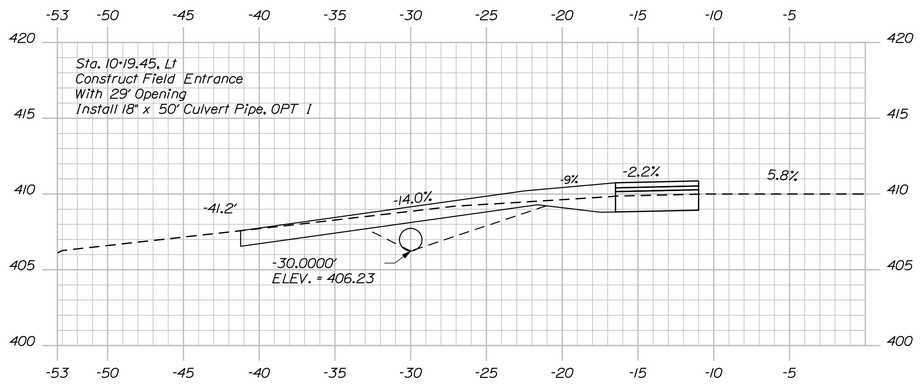
SHEET NUMBER

69

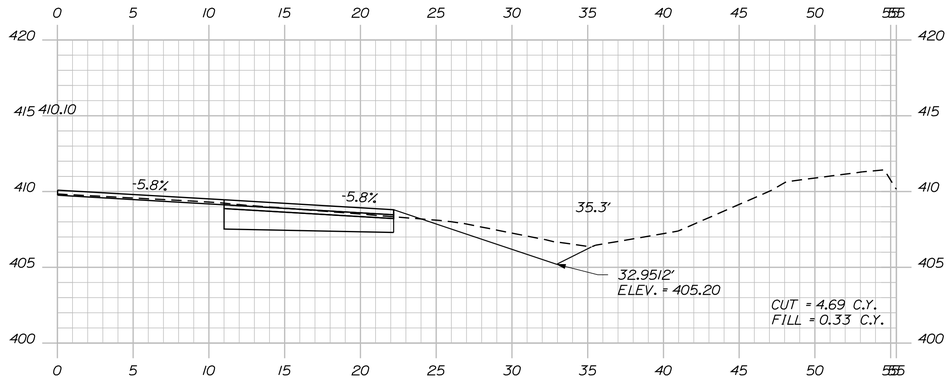
OF 329

Sta. 9+50.00 to Sta. 9+89.63

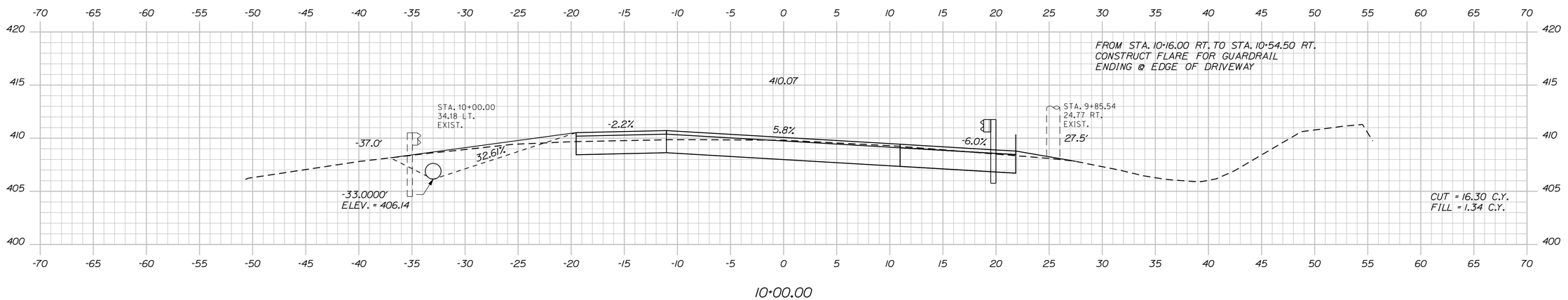
Filename: ...\069_Xsect_FINAL Section 1_9+50_007.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



10+19.45



10+02.76



10+00.00

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$ DATE
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

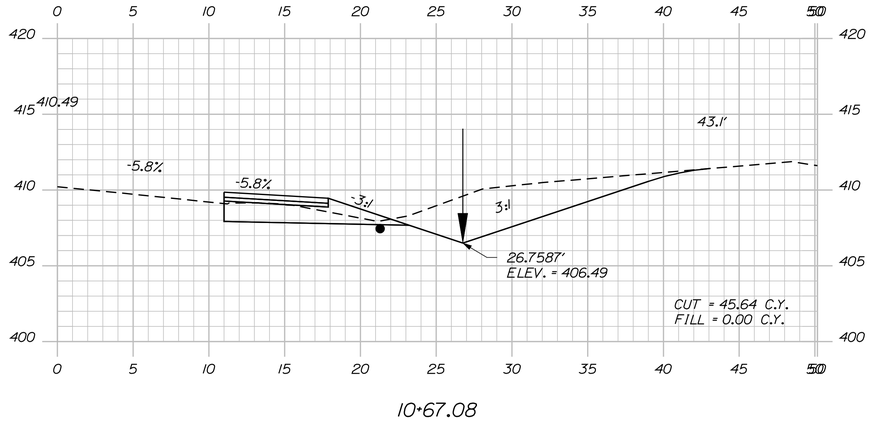
70

OF 329

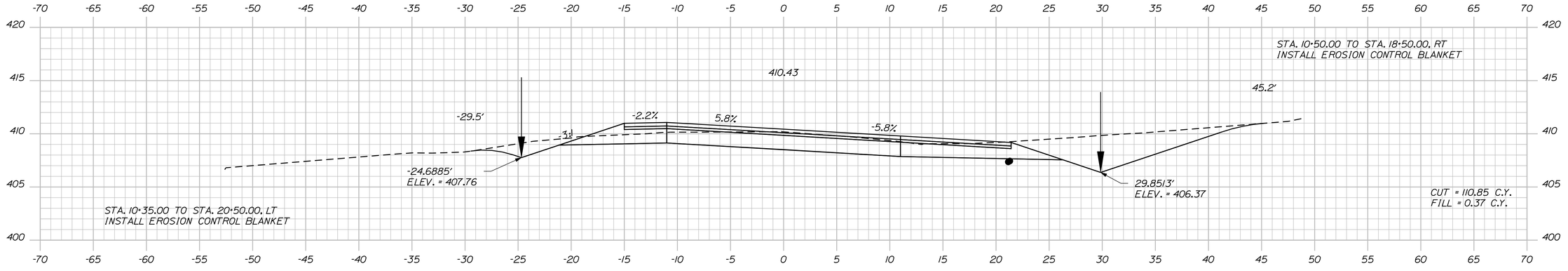
Sta. 10+00.00 to Sta. 10+19.45

Username: natasha.m.collins Date:3/4/2015

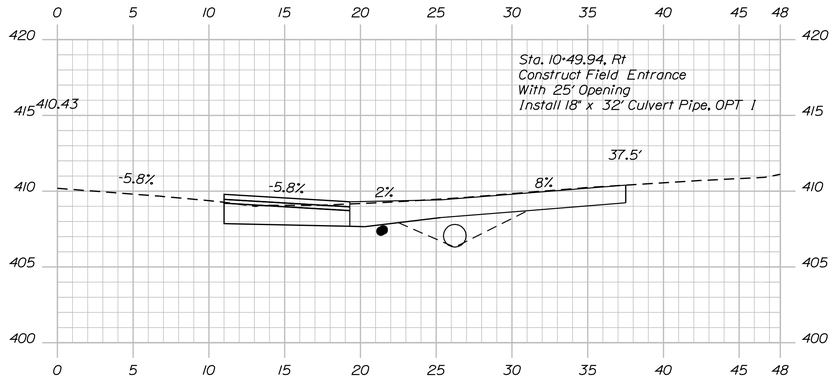
Filename: ...\070_Xsect_FINAL Section 1_10+00_00Division: HIGHWAY



10+67.08



10+50.00



10+49.94

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$projmanager$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

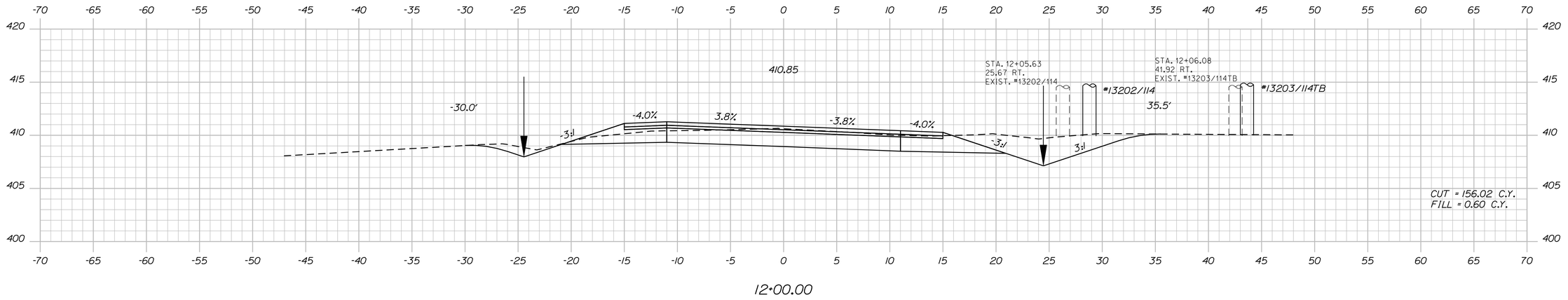
SHEET NUMBER

71

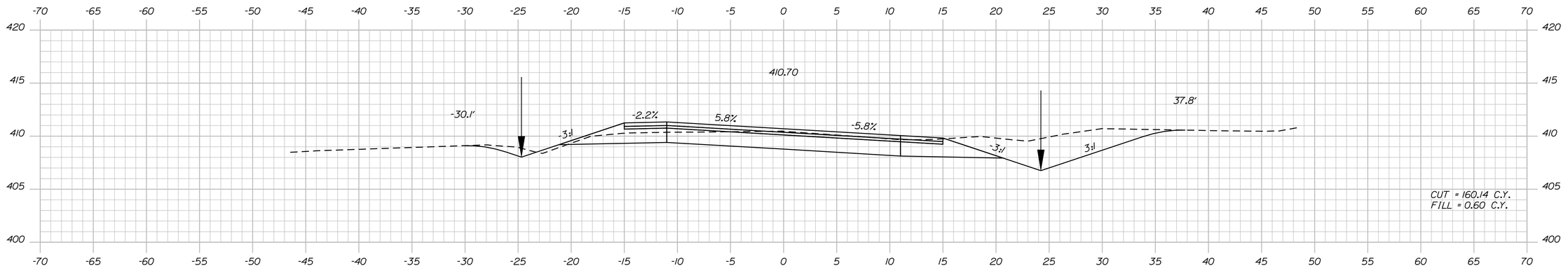
OF 329

Sta. 10+49.94 to Sta. 10+67.08

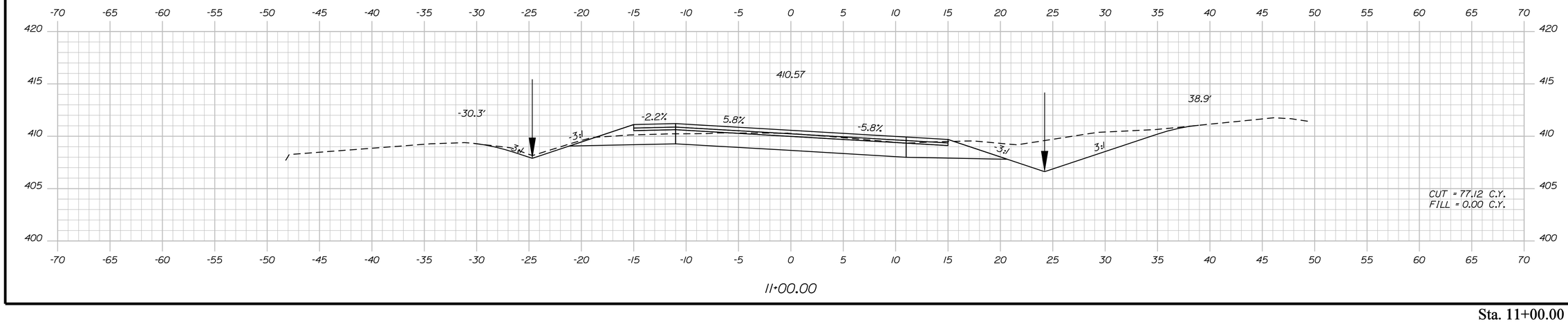
Filename: ...\071_Xsect_FINAL Section 1_10+49_00 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



12+00.00



11+50.00



11+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

	BY	DATE
SIGNATURE		
P.E. NUMBER		
DATE		

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

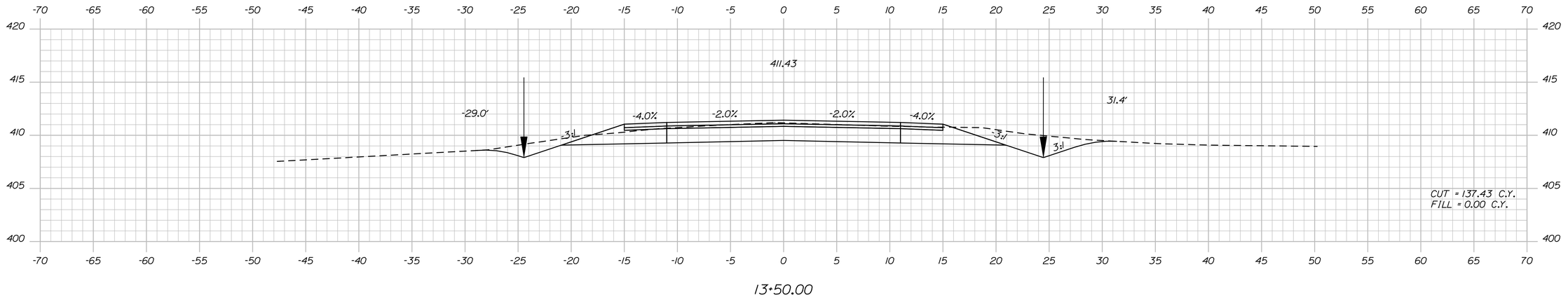
SHEET NUMBER

72

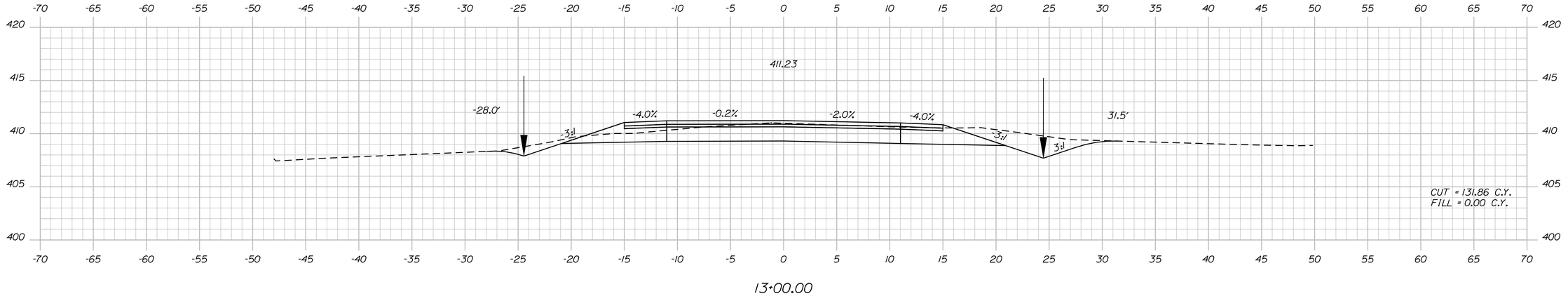
OF 329

Sta. 11+00.00 to Sta. 12+00.00

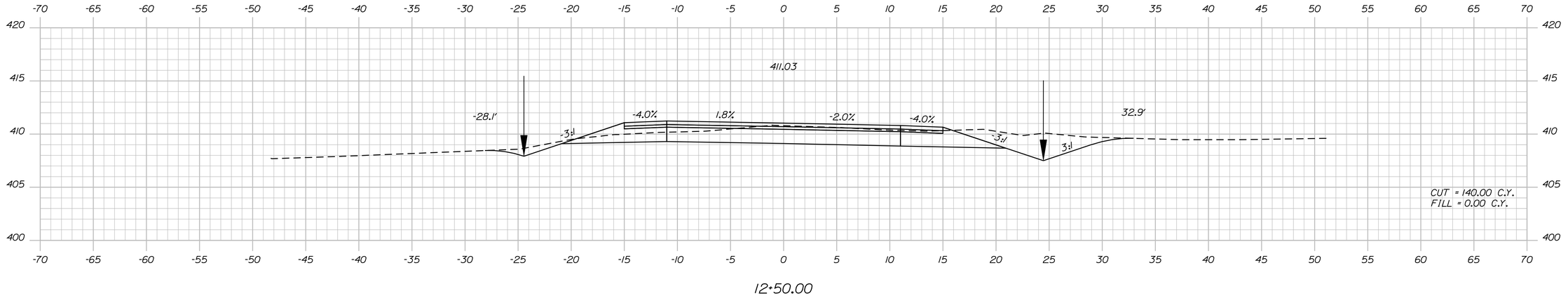
Filename: ...\072_Xsect_FINAL Section 1_11+00_0100.dgn Username: natasha.m.collins Date:3/4/2015



13+50.00



13+00.00



12+50.00

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
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DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

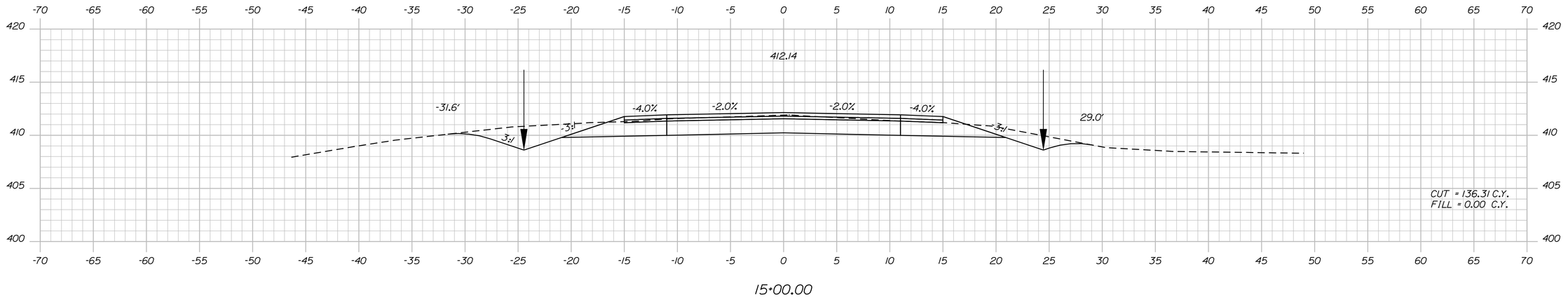
SHEET NUMBER

73

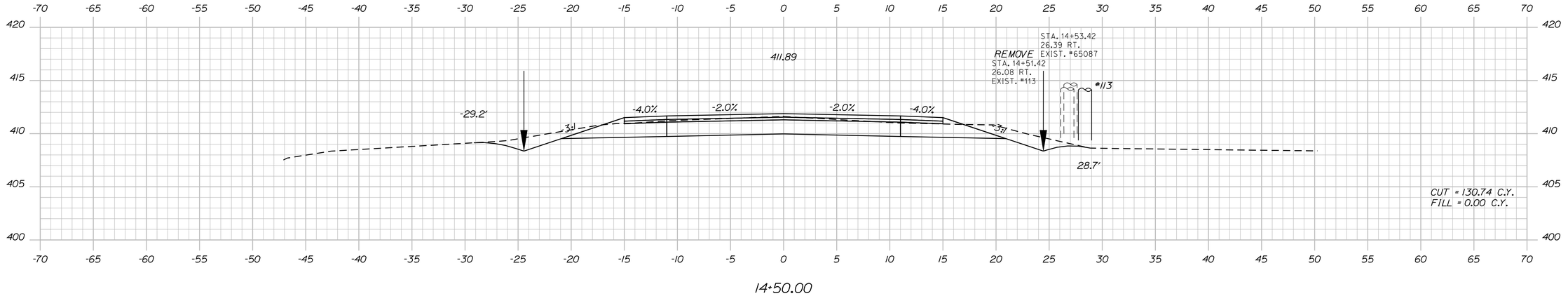
OF 329

Sta. 12+50.00 to Sta. 13+50.00

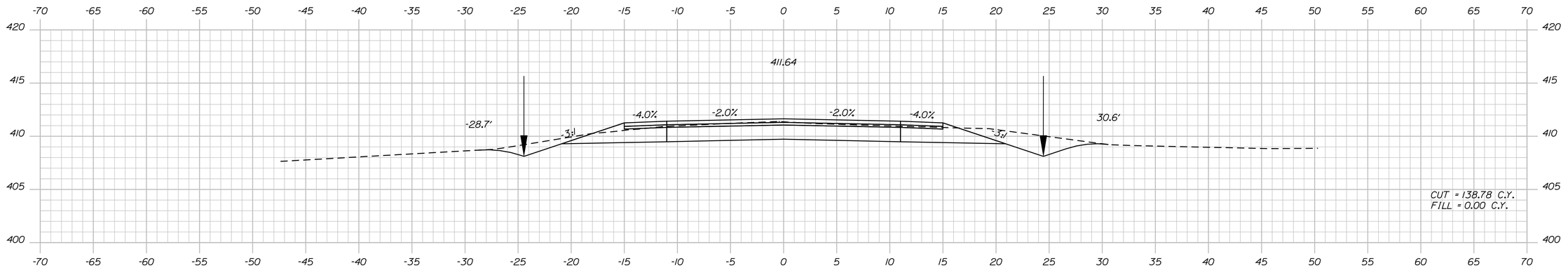
Filename: ...\073_Xsect_FINAL Section 1_12+50_01Dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



15+00.00



14+50.00



14+00.00

STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE	
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

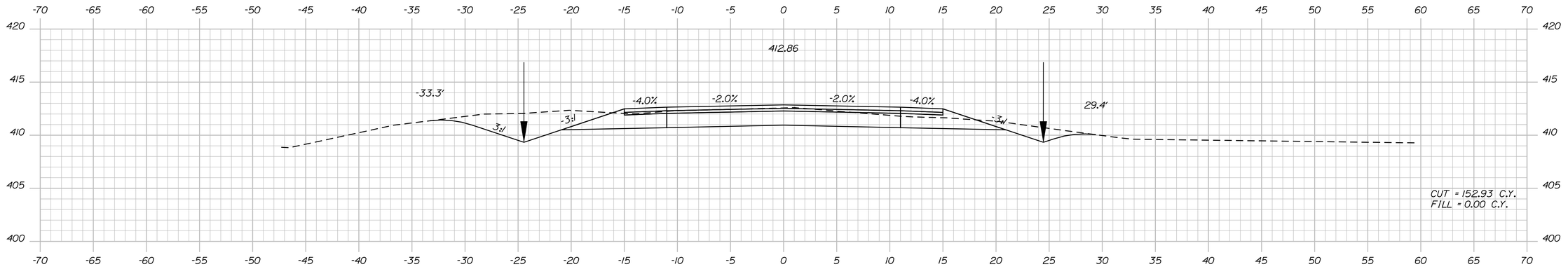
SHEET NUMBER

74

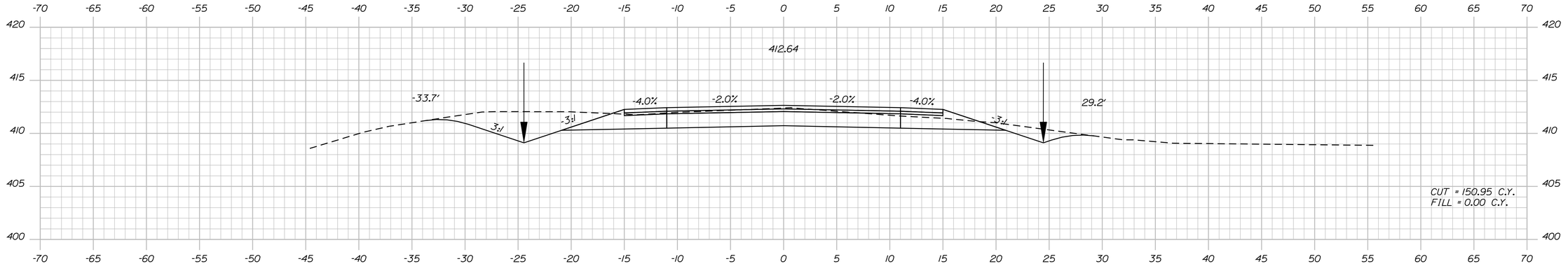
OF 329

Sta. 14+00.00 to Sta. 15+00.00

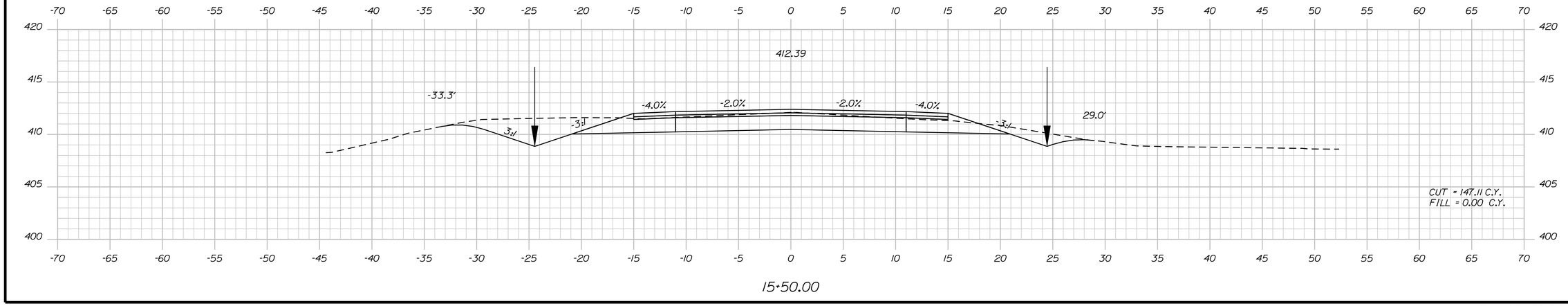
Filename: ...\074_Xsect_FINAL Section 1_14+00_012780.dgn Username: natasha.m.collins Date:3/4/2015
Design: HIGHWAY



16+50.00



16+00.00



15+50.00

Sta. 15+50.00 to Sta. 16+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

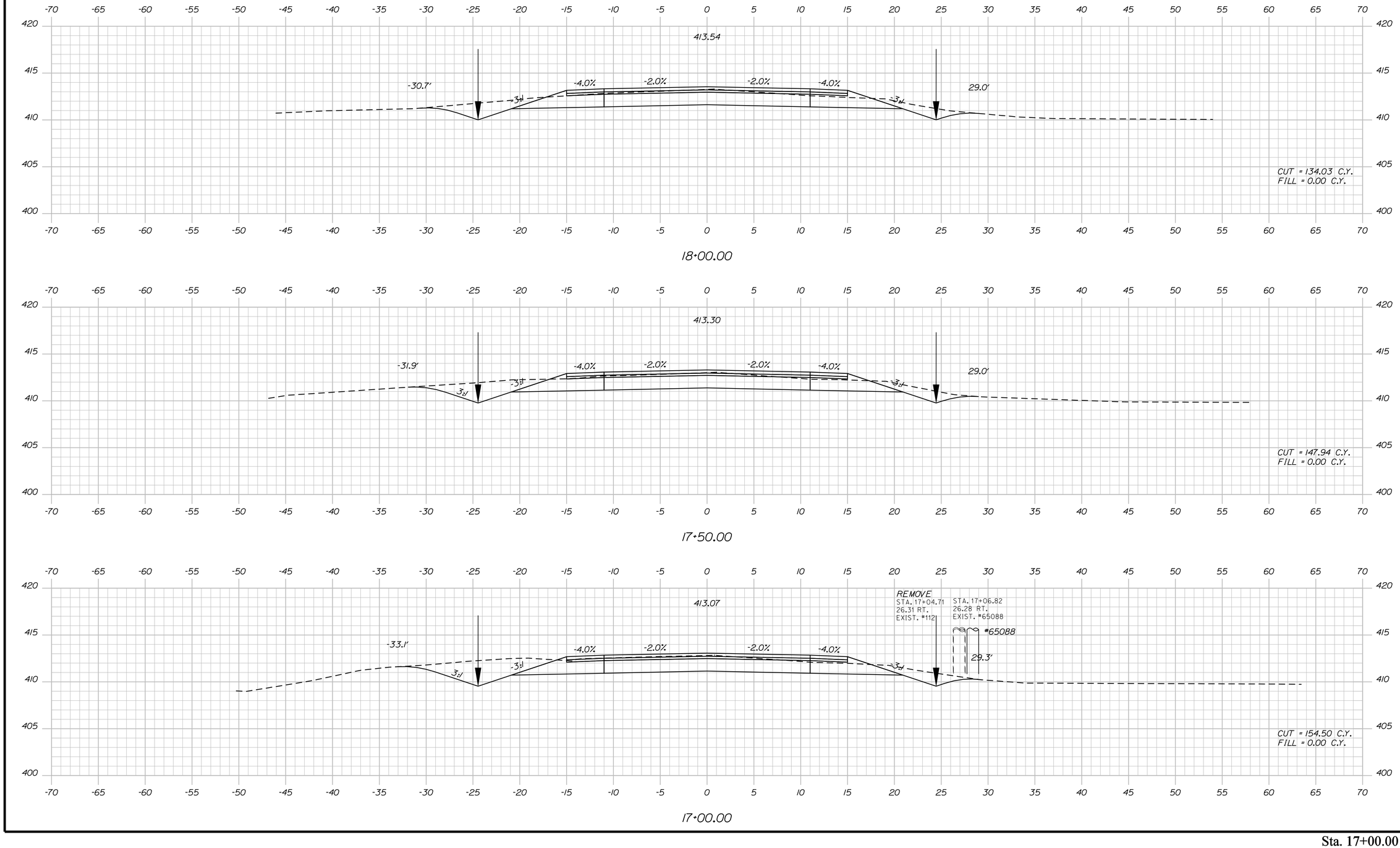
CROSS SECTIONS

SHEET NUMBER

75

OF 329

Filename: ...\075_Xsect_FINAL Section 1_15+50_01 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN- DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

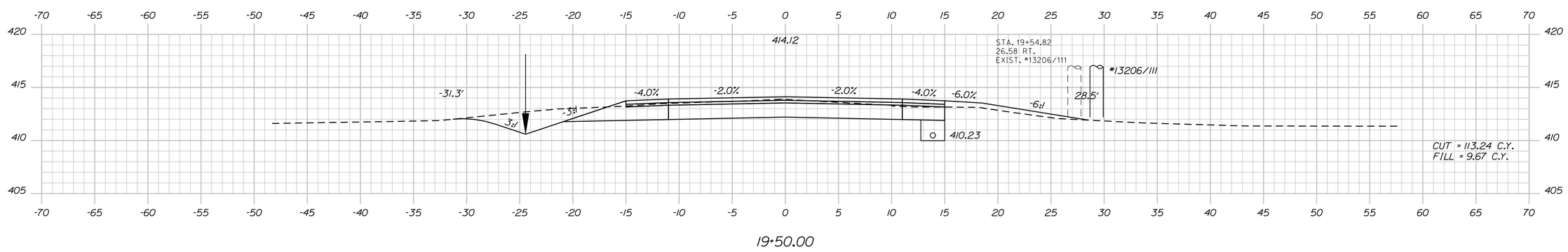
SHEET NUMBER

76

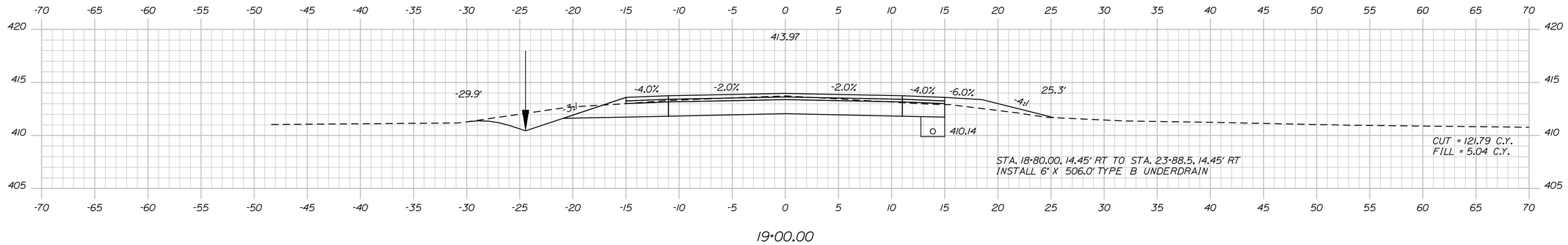
OF 329

Sta. 17+00.00 to Sta. 18+00.00

Filename: ...\076_Xsect_FINAL Section 1_17+00_018+00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



19+50.00



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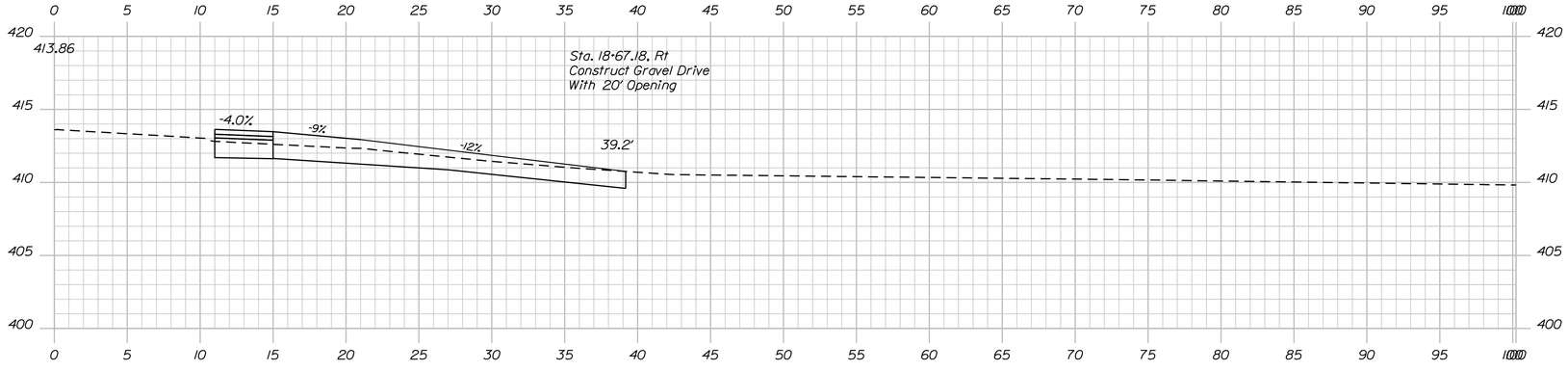

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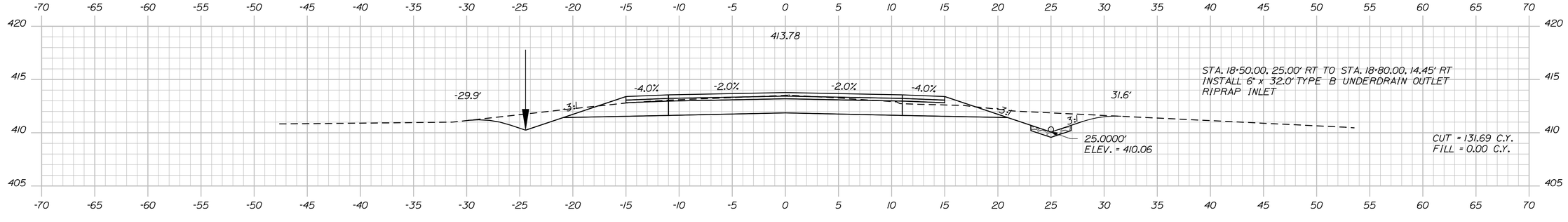

18+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

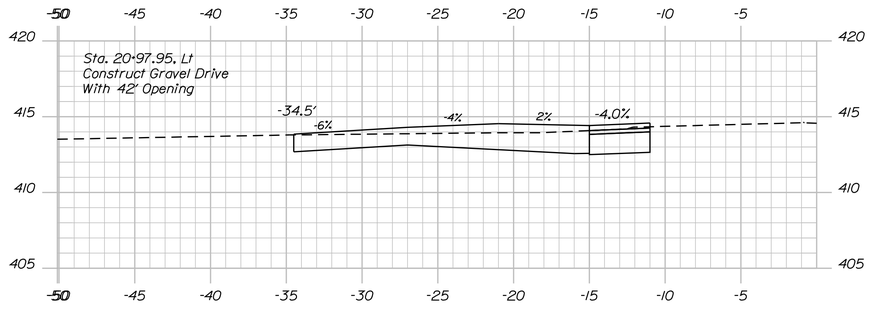
SHEET NUMBER

77

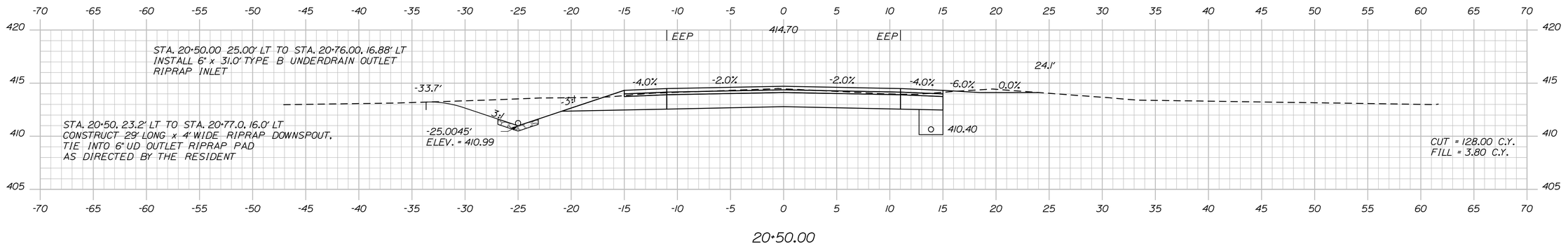
OF 329

Sta. 18+50.00 to Sta. 19+50.00

Filename: ...\077_Xsect_FINAL Section 1_18+50_019.dgn Username: HIGHWAY Username: natasha.m.collins Date:3/4/2015



20+97.95



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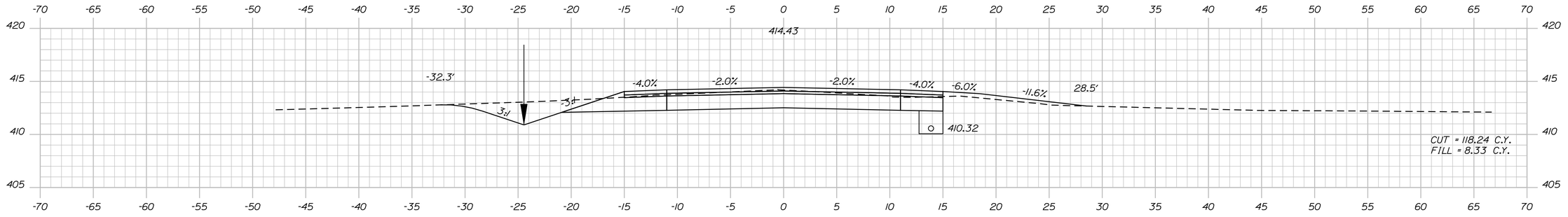

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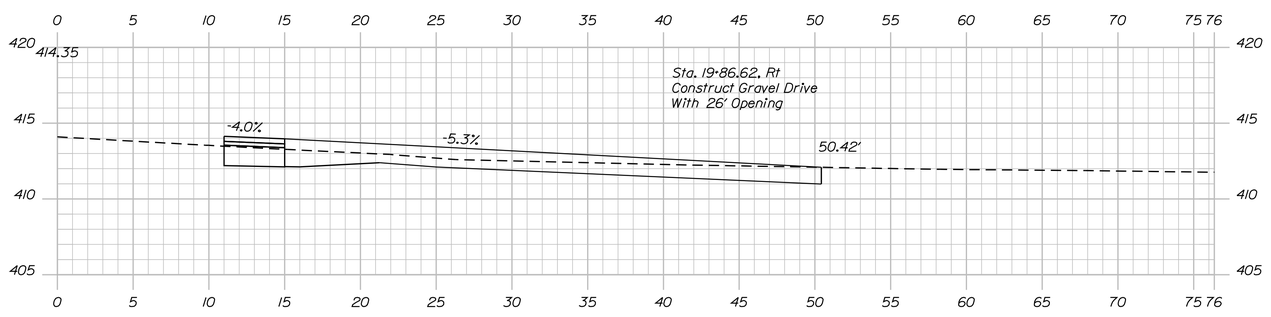


19+86.62

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$datder1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$datder2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$datder3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

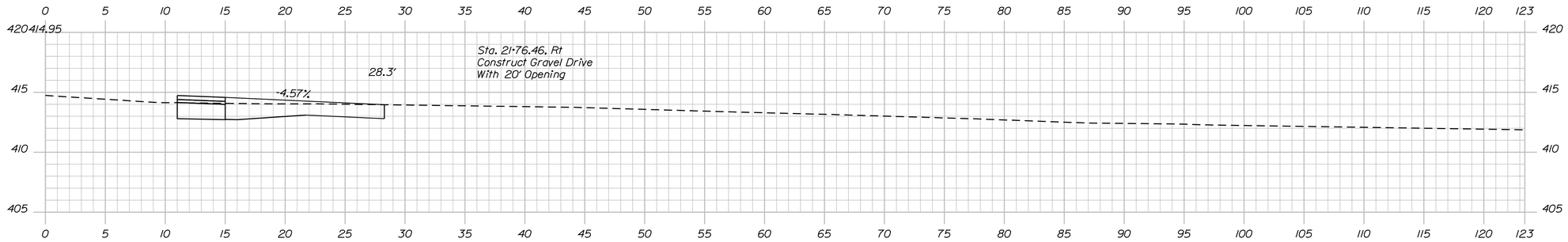
78

OF 329

Sta. 19+86.62 to Sta. 20+97.95

Username: natasha.m.collins Date:3/4/2015

Filename: ...\078_Xsect_FINAL Section 1_19+86_0 Division: HIGHWAY



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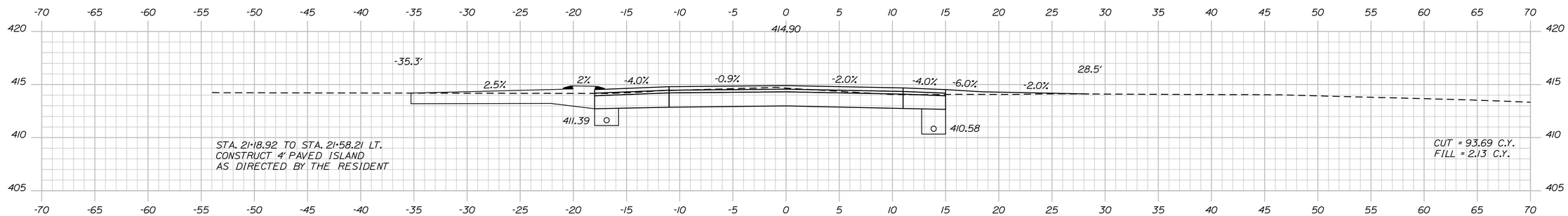
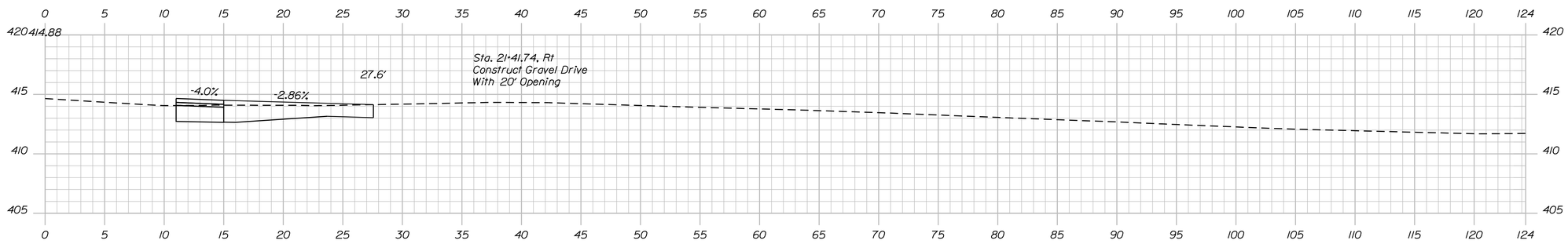


21+50.00



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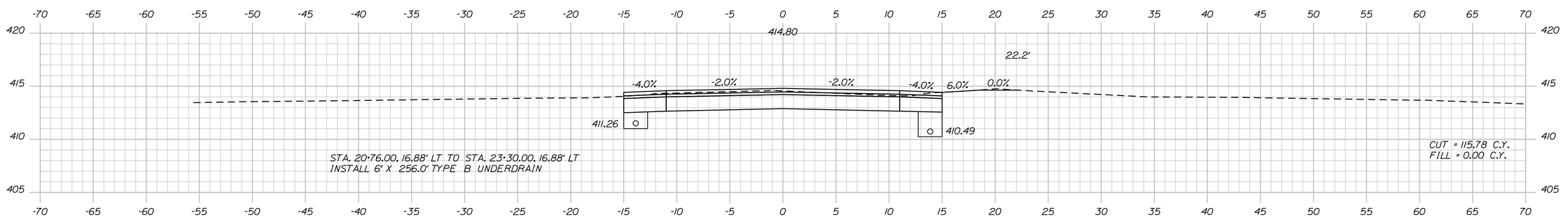

21+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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79

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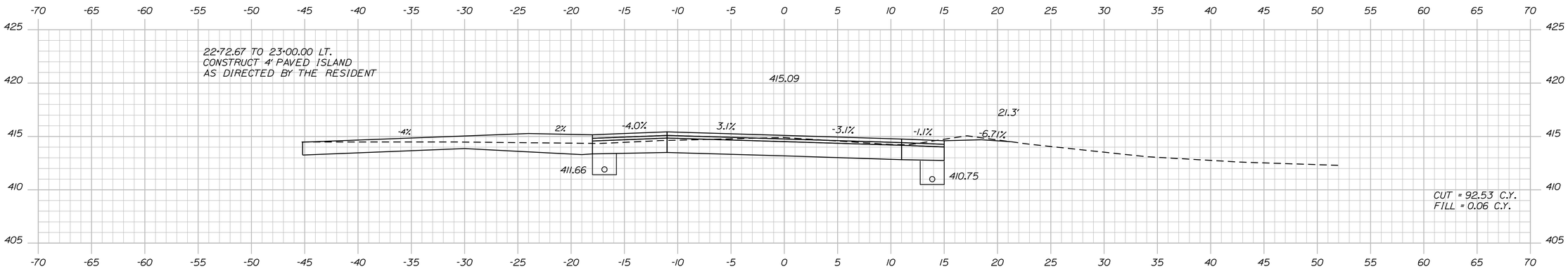
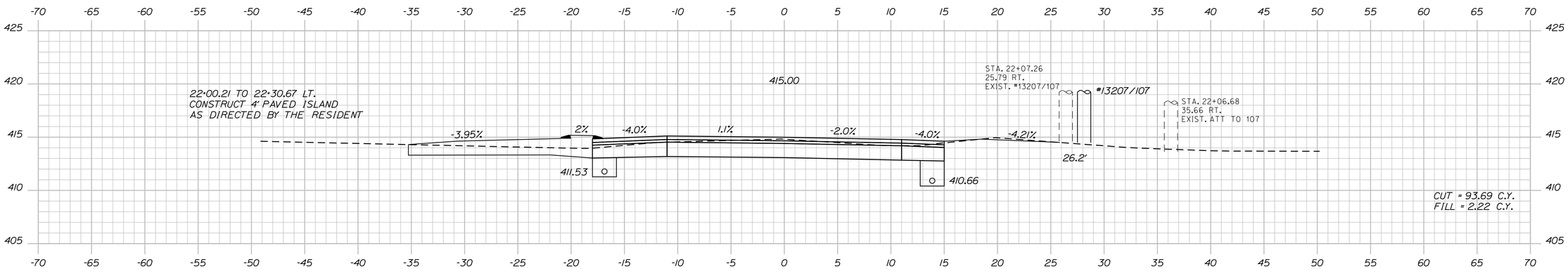
Sta. 21+00.00 to Sta. 21+76.46

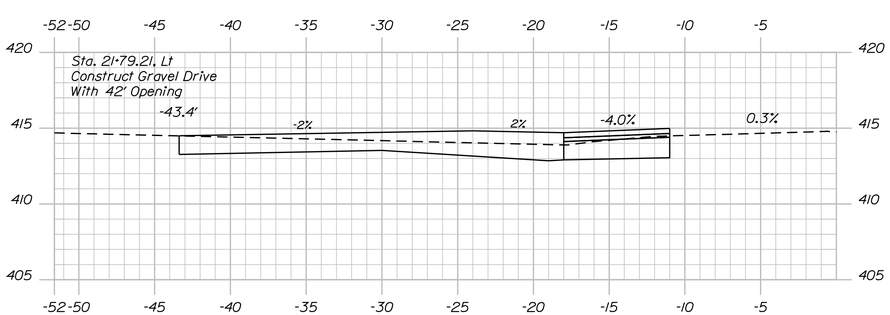
Filename: ...\079_Xsect_FINAL Section 1_21+00_017.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



22+50.00



22+00.00



21+79.21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

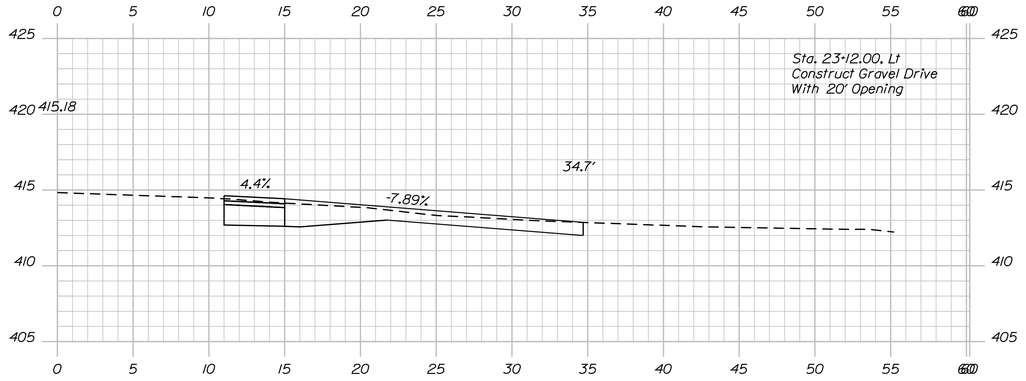
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

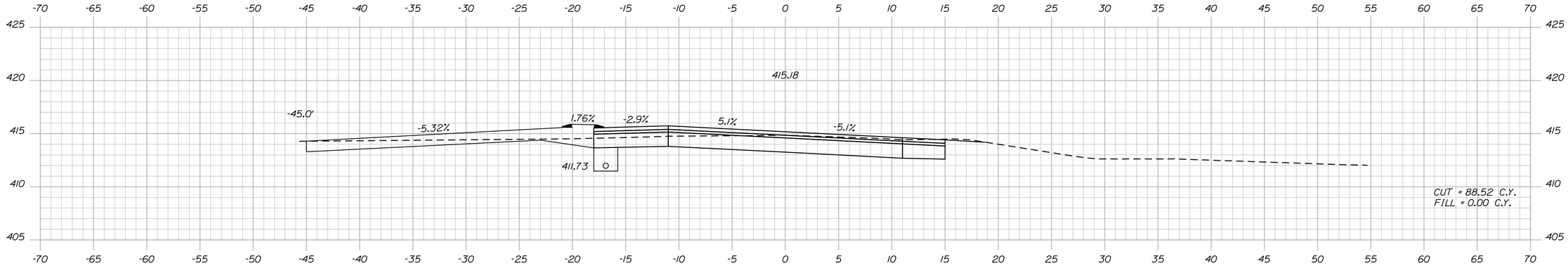
SHEET NUMBER
80
OF 329

Filename: ...\080_Xsect_FINAL Section 1_21+79_01 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

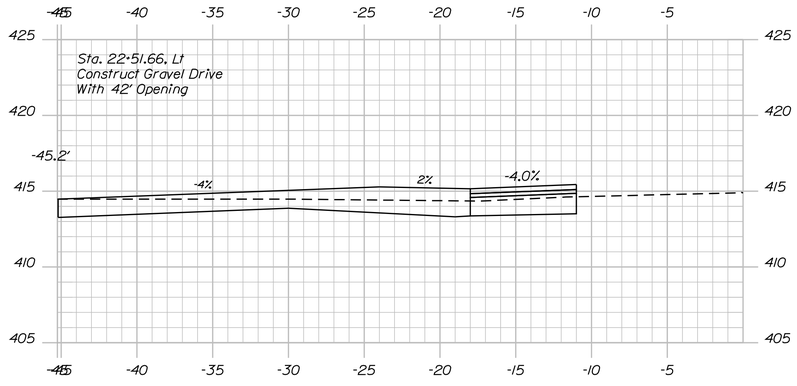
Sta. 21+79.21 to Sta. 22+50.00



23+12.00



23+00.00



22+51.67

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$ P.E. NUMBER
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$ DATE
FIELD CHANGES	$fieldchange$	$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

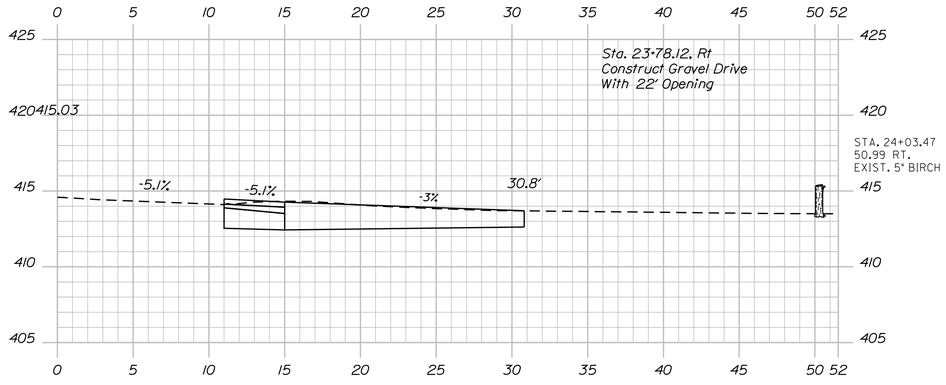
SHEET NUMBER

81

OF 329

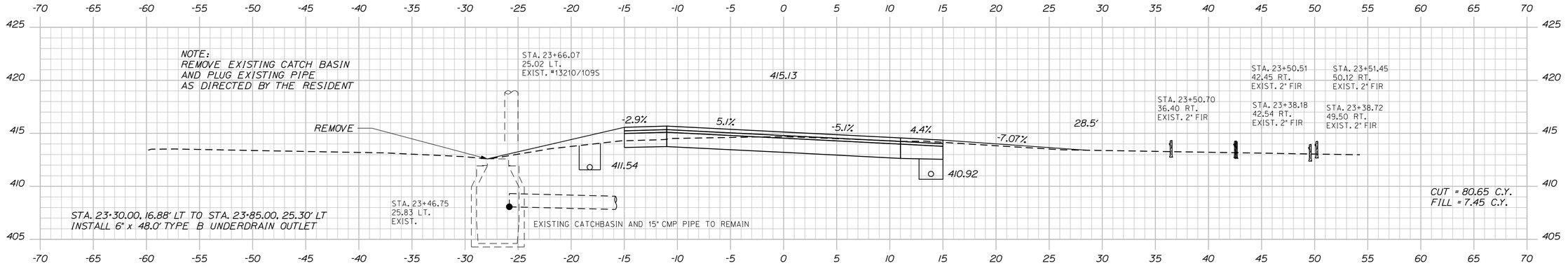
Sta. 22+51.67 to Sta. 23+12.00

Filename: ...\081_Xsect_FINAL Section 1_22+51_0190.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY

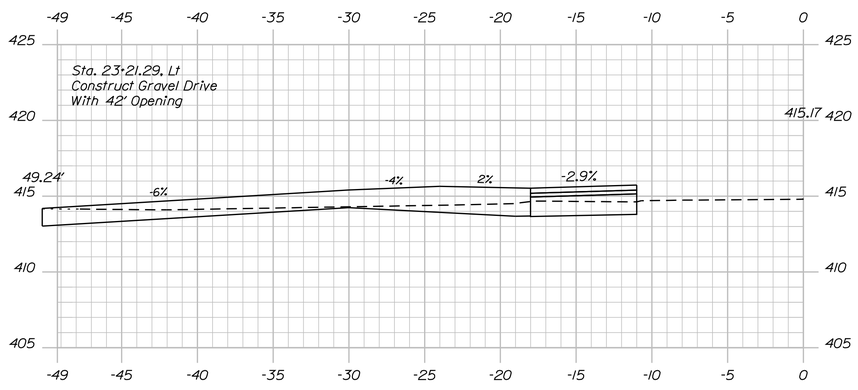


23+78.12

NOTE: WATER LINE LOCATED AT THE APROX STA. 23+80
ELEVATION UNKNOWN, DIG WITH CARE



23+50.00



23+21.29

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

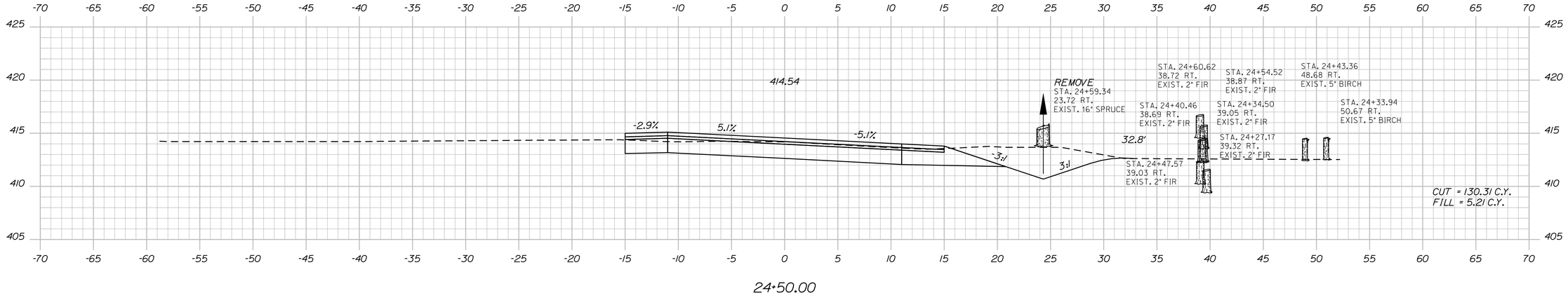
SHEET NUMBER

82

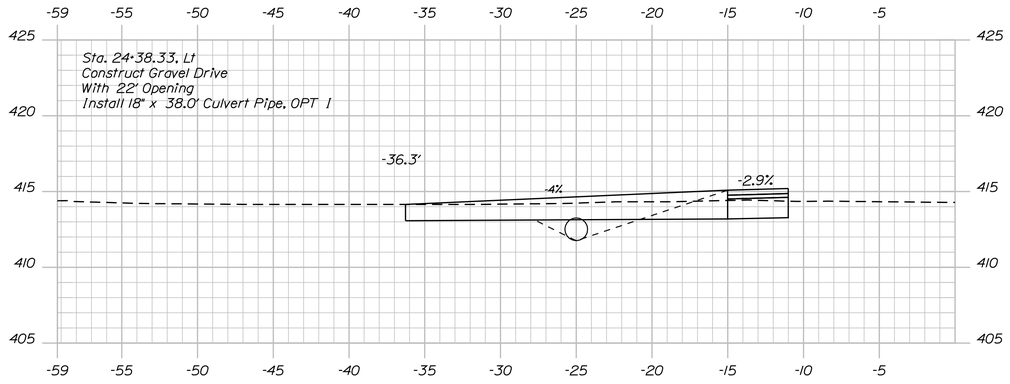
OF 329

Sta. 23+21.29 to Sta. 23+78.12

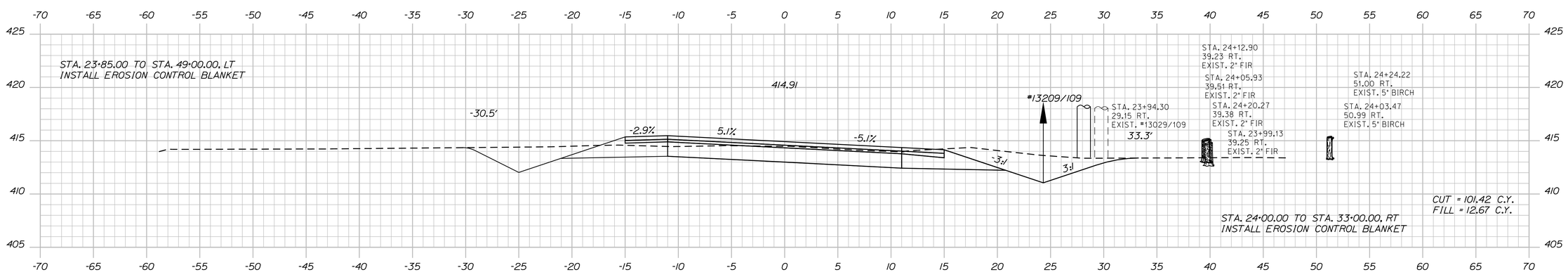
Filename: ...\082_Xsect_FINAL Section 1_23+21_02Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



24+50.00



24+38.33



24+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

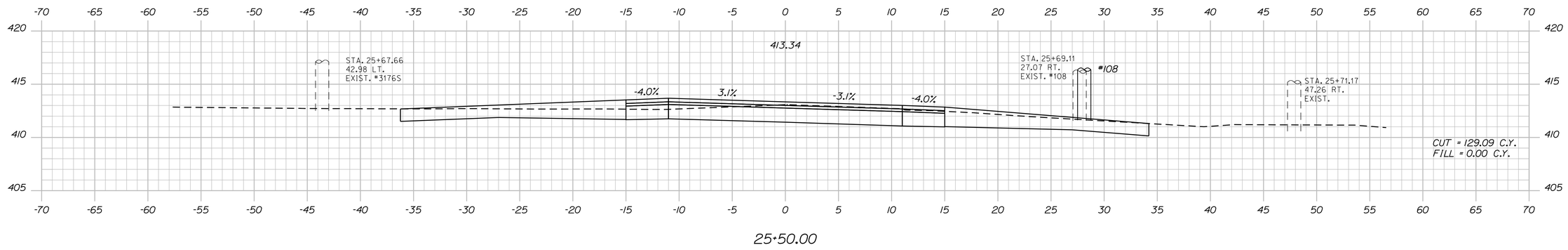
83

OF 329

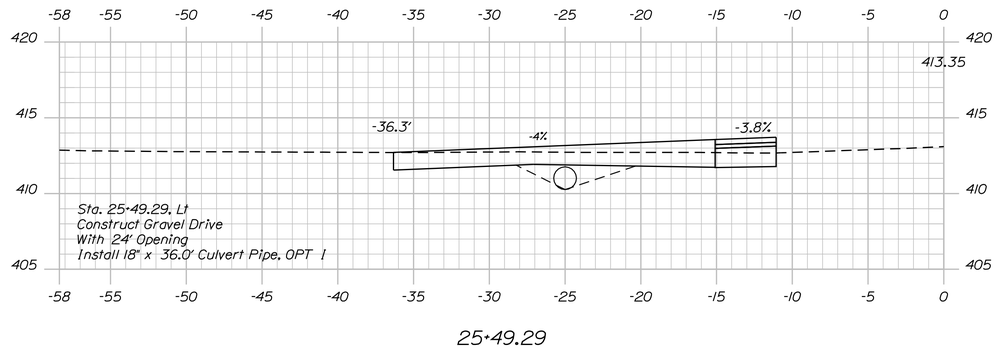
Sta. 24+00.00 to Sta. 24+50.00

Username: natasha.m.collins Date:3/4/2015

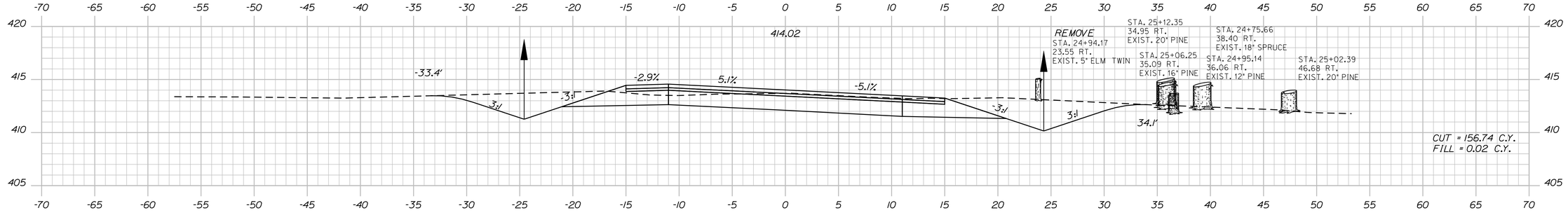
Filename: ...\083_Xsect_FINAL Section 1_24+00_02.dgn Division: HIGHWAY



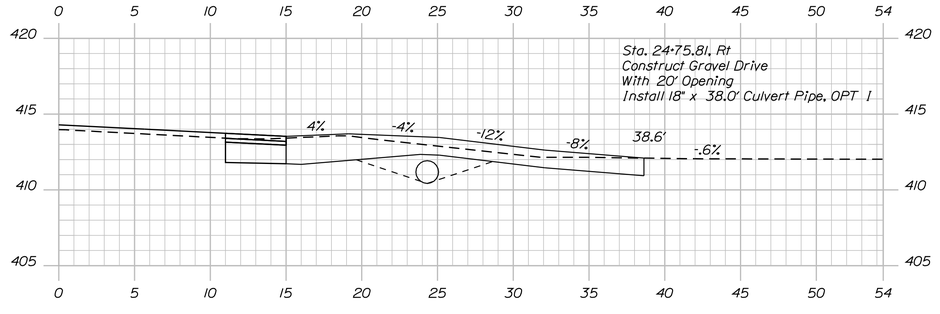
25+50.00



25+49.29



25+00.00



24+75.81

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	$revision2$	$detailer2$	$revdate2$
REVISIONS 3	$revision3$	$detailer3$	$revdate3$
REVISIONS 4	$revision4$	$detailer4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

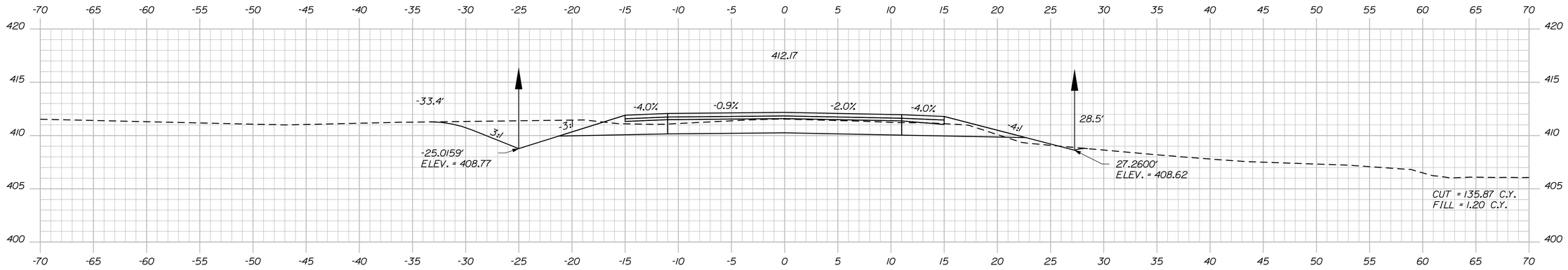
SHEET NUMBER

84

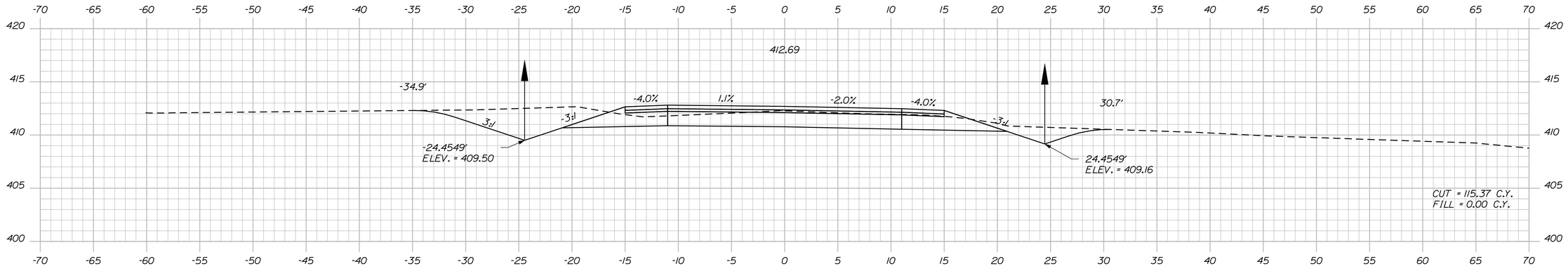
OF 329

Sta. 24+56.07 to Sta. 25+50.00

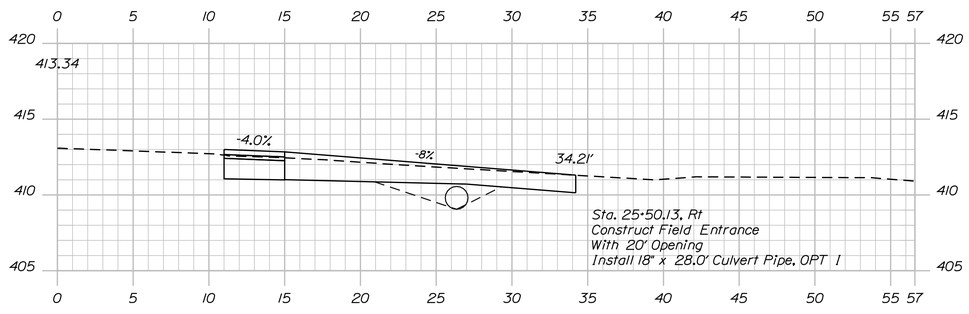
Filename: ...\084_Xsect_FINAL Section 1_24+56_025.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



26+50.00



26+00.00



25+50.13

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

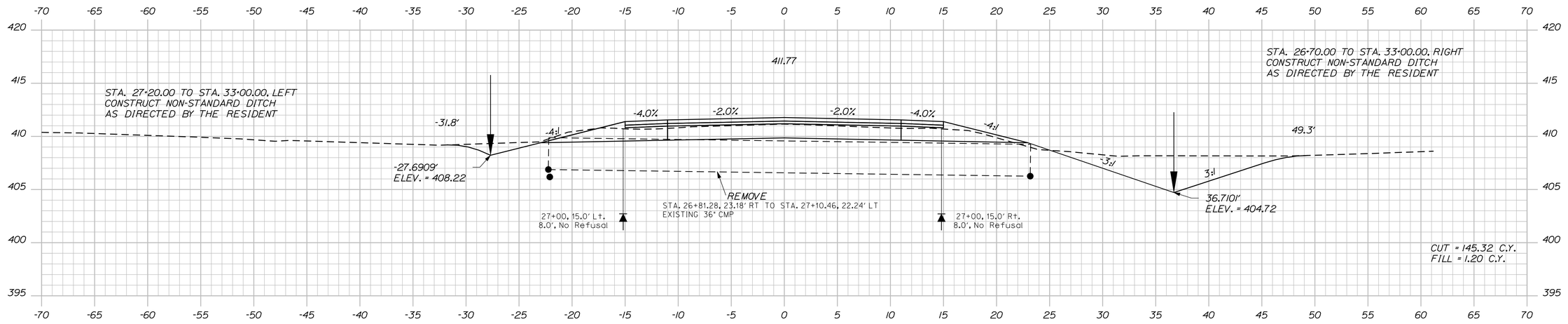
SHEET NUMBER

85

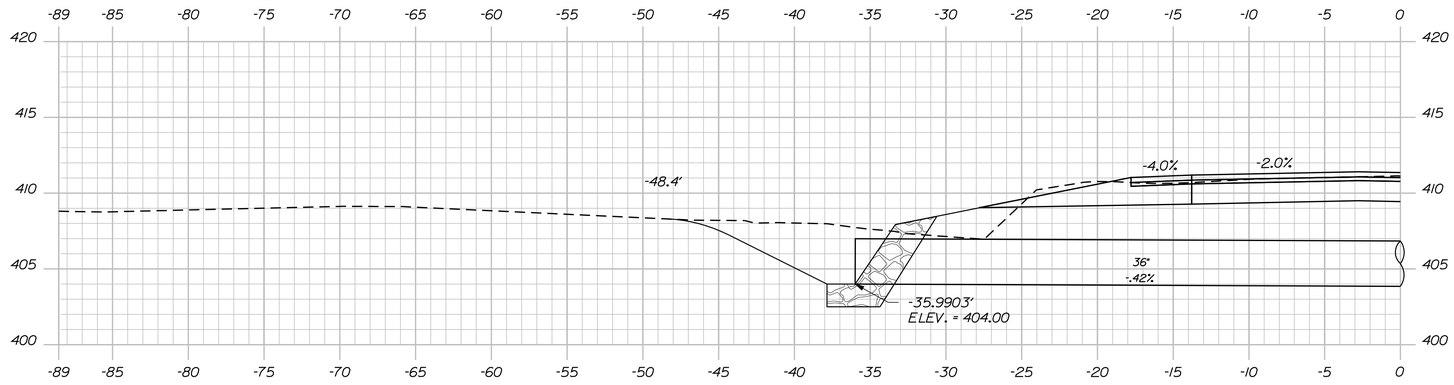
OF 329

Sta. 25+50.13 to Sta. 26+50.00

Filename: ...\085_Xsect_FINAL Section 1_25+50_02.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

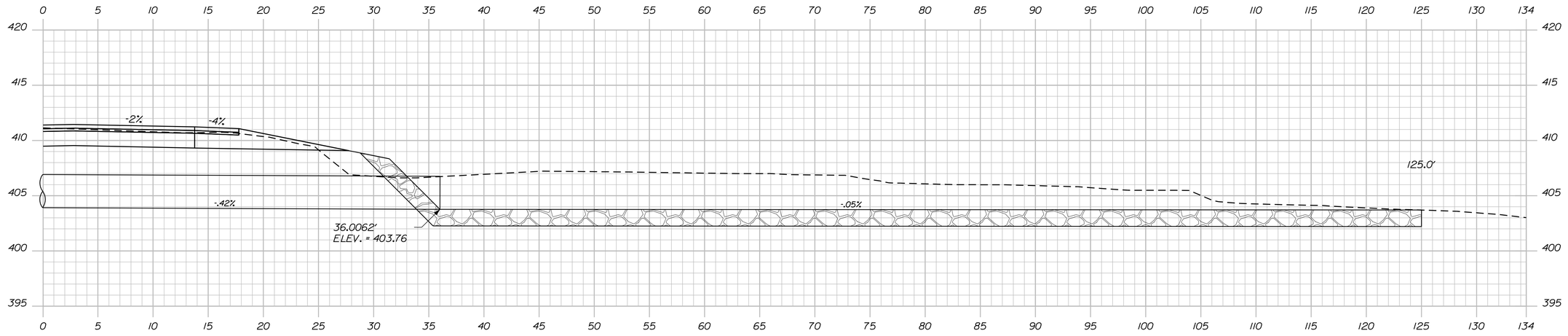


27+00.00



26+96.48 (SKEWED SECTION)

STA. 27+12.30, 25.14' LT TO STA. 26+78.87, 25.00' RT
INSTALL 36" DIA. x 72' CULVERT PIPE. OPT III
RIPRAP INLET & OUTLET AS DIRECTED BY THE RESIDENT



26+96.46 (SKEWED SECTION)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$	$revdate3$	$revdate3$
REVISIONS 3	$revision3$	$revdate3$	$revdate4$
REVISIONS 4	$revision4$	$revdate4$	$fielddate$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

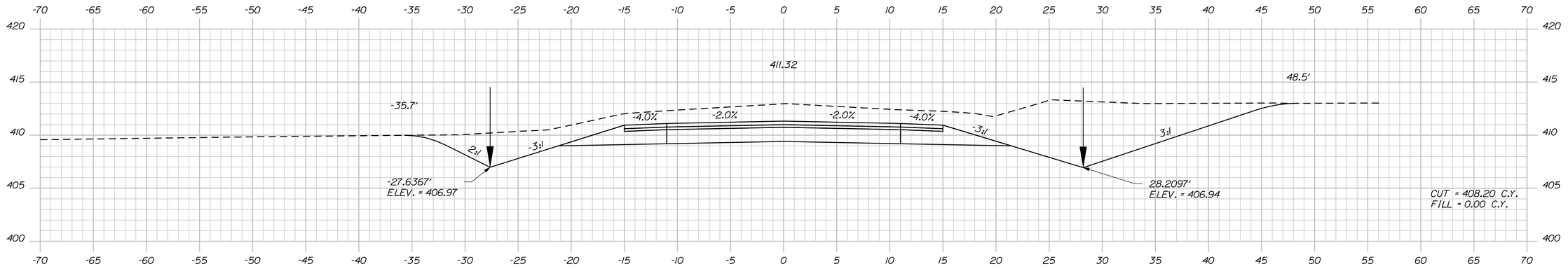
SHEET NUMBER

86

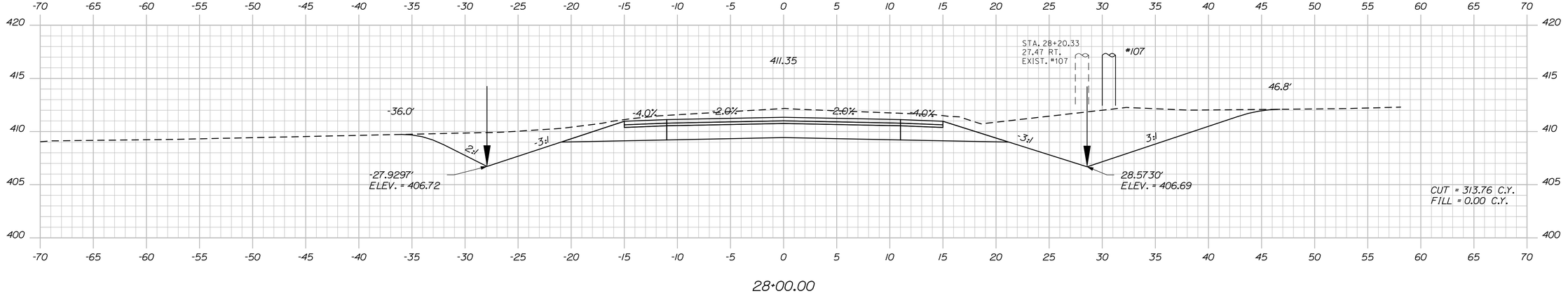
OF 329

Sta. 26+96.29 to Sta. 27+00.00

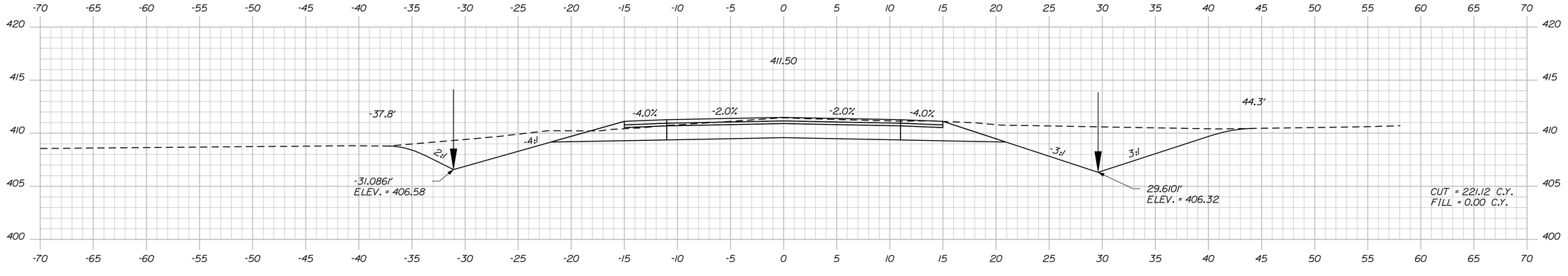
Filename: ...\086_Xsect_FINAL Section 1_26+96_02.dgn Date:3/4/2015
Username: natasha.m.collins Division: HIGHWAY



28+50.00



28+00.00



27+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$		
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE	
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$		
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	P.E. NUMBER	
REVISIONS 1	-----	-----	$revdate1$		
REVISIONS 2	-----	-----	$revdate2$		
REVISIONS 3	$revision3$	-----	$revdate3$	DATE	
REVISIONS 4	$revision4$	-----	$revdate4$		
FIELD CHANGES	$fieldchange$		$fieldate$		

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

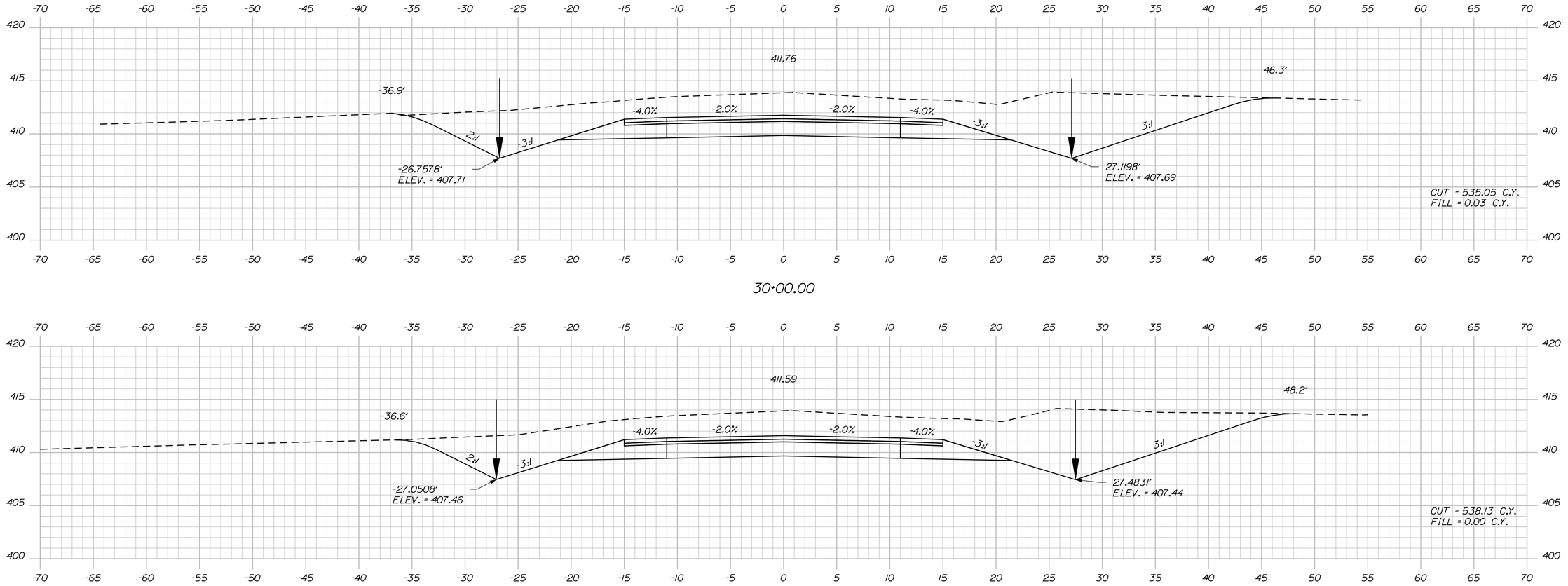
SHEET NUMBER

87

OF 329

Sta. 27+50.00 to Sta. 28+50.00

Filename: ...\087_Xsect_FINAL Section 1_27+50_02Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

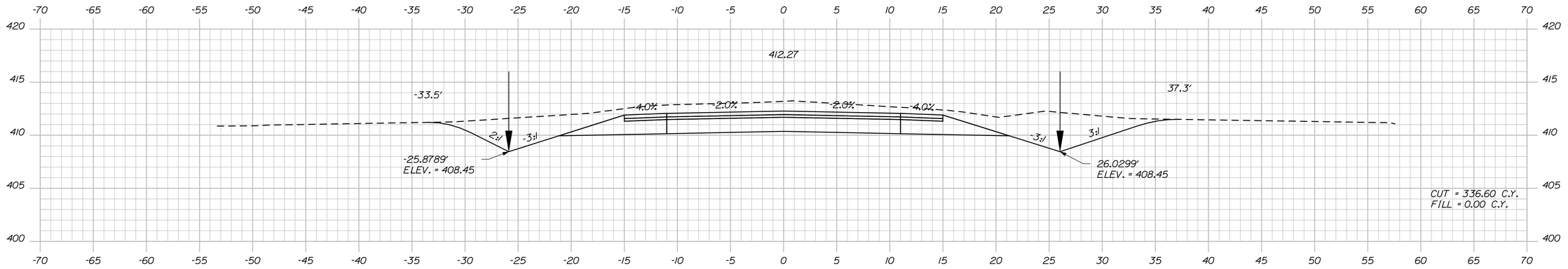
SHEET NUMBER

88

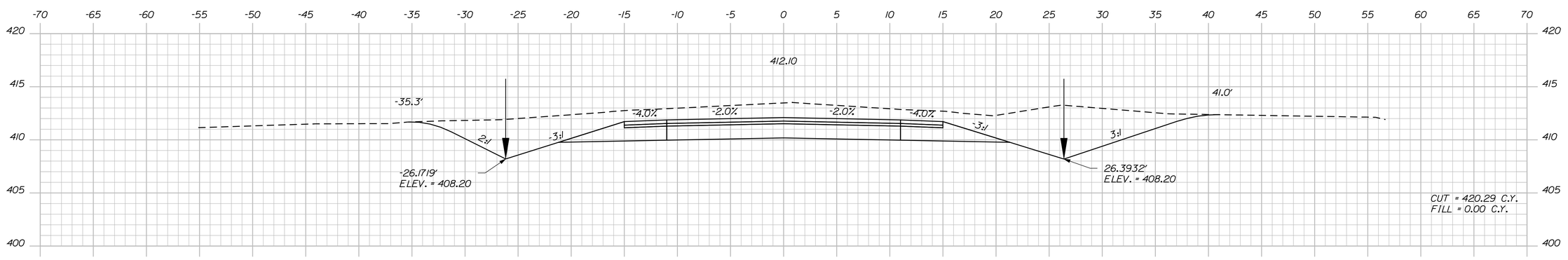
OF 329

Sta. 29+00.00 to Sta. 30+00.00

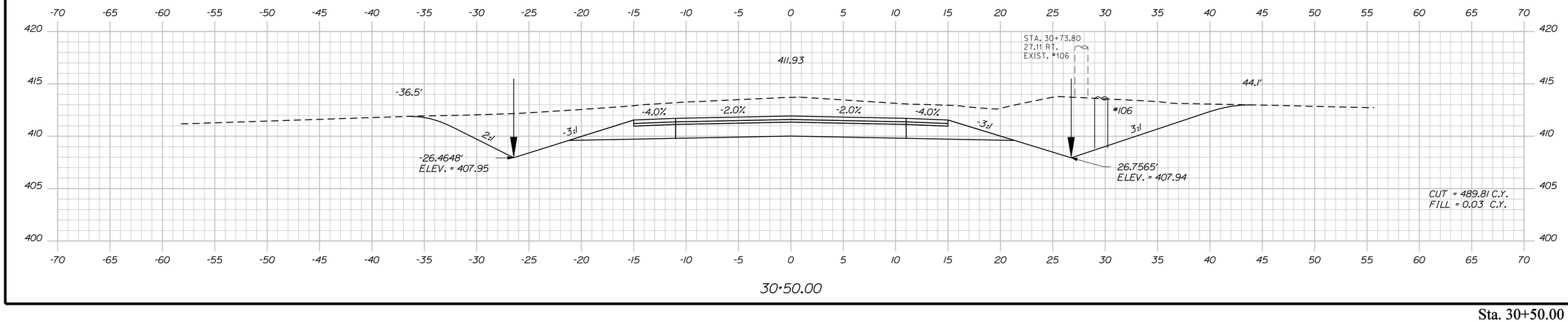
Filename: ...\088_Xsect_FINAL Section 1_29+00_0 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



31+50.00



31+00.00



30+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$	P.E. NUMBER
REVISIONS 2	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	SIGNATURE
REVISIONS 4	$revision4$	$revdate4$	DATE
FIELD CHANGES	$fieldchange$	$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

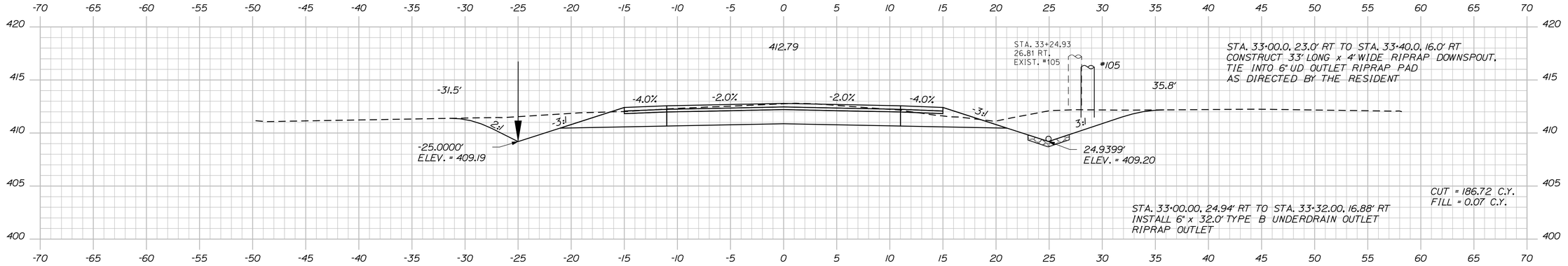
SHEET NUMBER

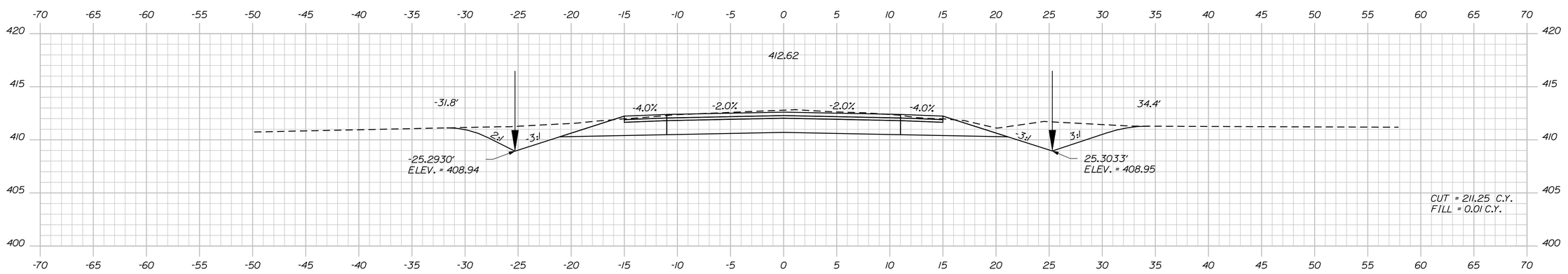
89

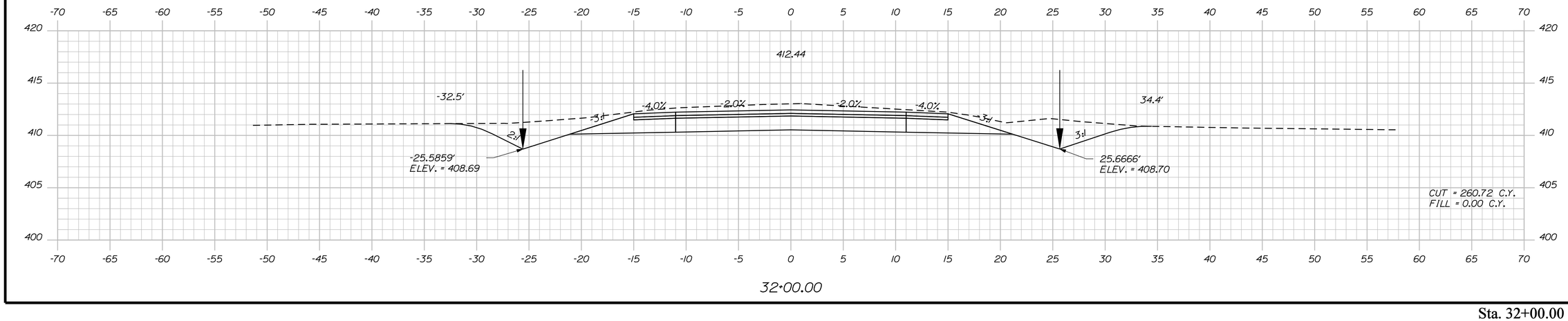
OF 329

Sta. 30+50.00 to Sta. 31+50.00

Filename: ...\089_Xsect_FINAL Section 1_30+50_02.dgn Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

90

OF 329

Sta. 32+00.00 to Sta. 33+00.00

Filename: ...\090_Xsect_FINAL Section 1_32+00_02 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate3$
REVISIONS 3	$revision4$		$revdate4$
REVISIONS 4	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

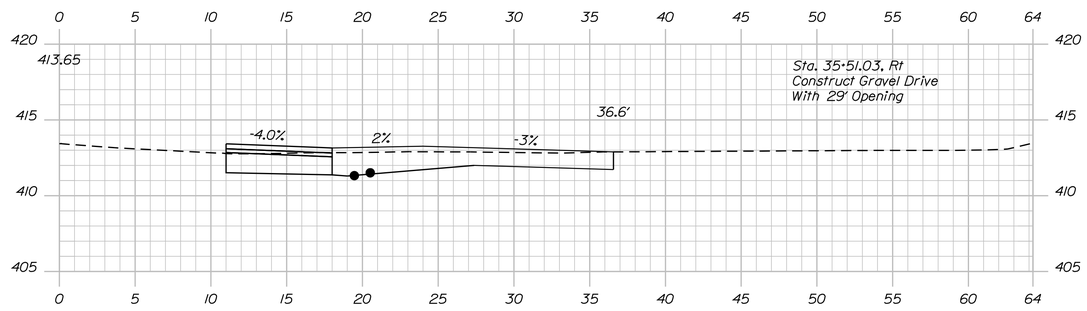
91

OF 329

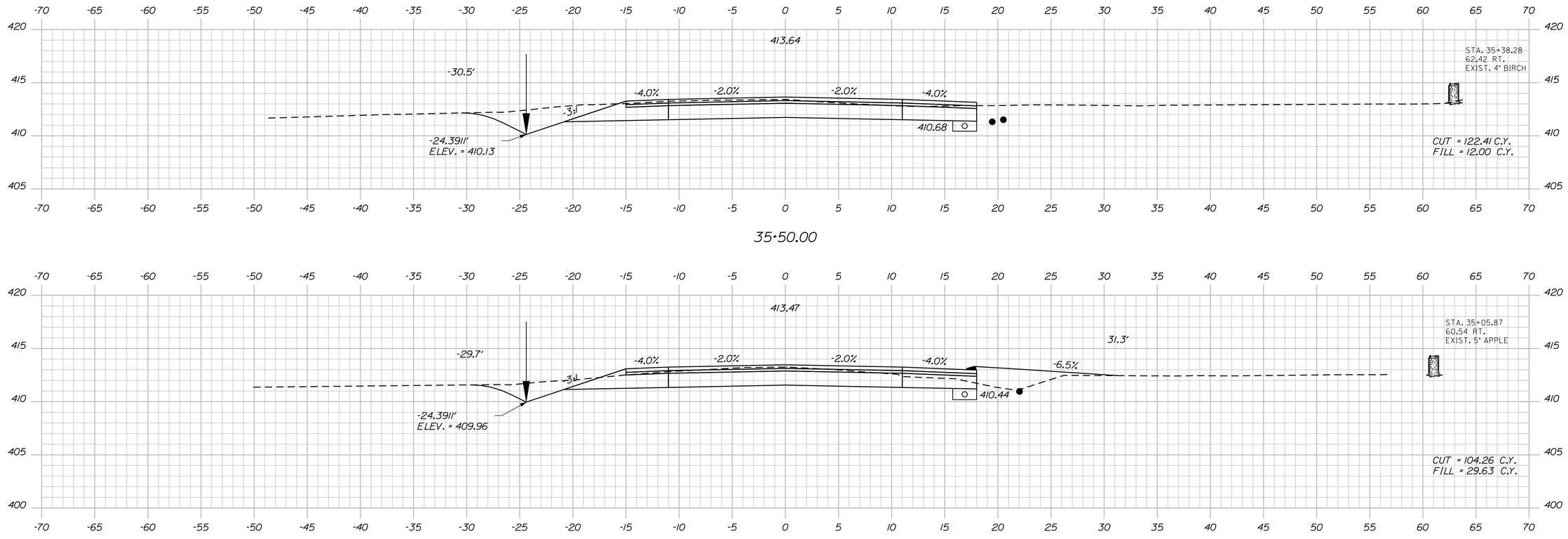
Sta. 33+50.00 to Sta. 34+50.00

Username: natasha.m.collins Date:3/4/2015

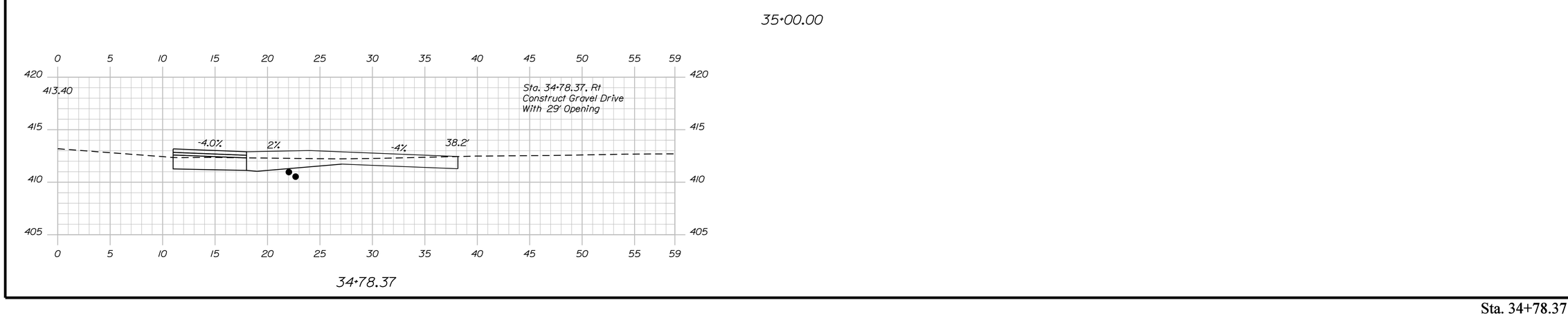
Filename: ...\091_Xsect_FINAL Section 1_33+50_029.dgn Design: HIGHWAY



35+51.03



35+50.00



35+00.00

34+78.37

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	-----	$revdate3$
REVISIONS 3	$revision3$	$revdate3$	$revdate4$
REVISIONS 4	$revision4$	$revdate4$	$fieldate$
FIELD CHANGES	$fieldchange$	$fieldate$	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

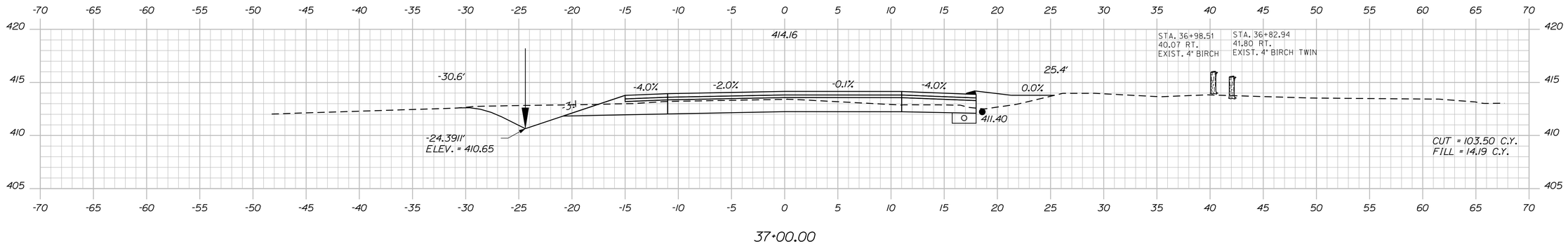
92

OF 329

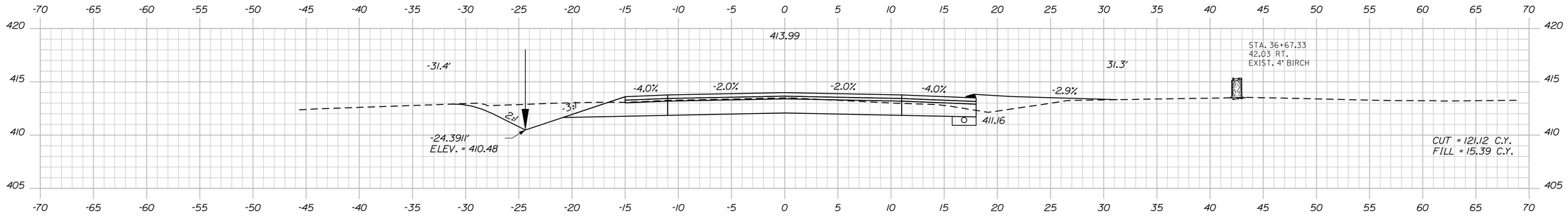
Sta. 34+78.37 to Sta. 35+51.03

Filename: ...\092_Xsect_FINAL Section 1_34+78_035+51.dgn Username: HIGHWAY Division: Username: natasha.m.collins Date:3/4/2015

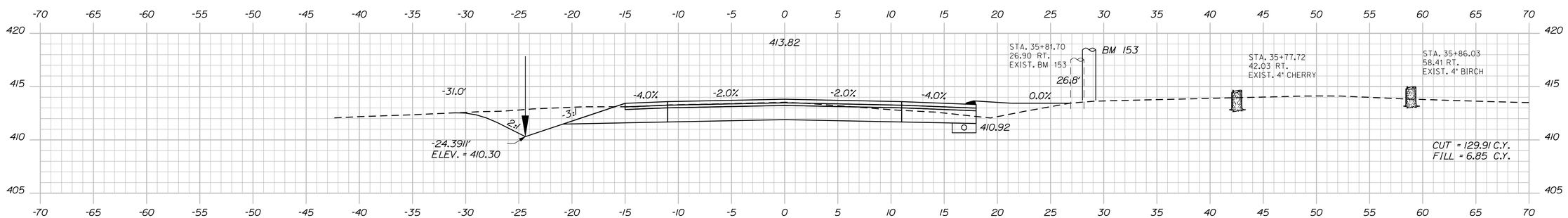
Filename: ...\093_Xsect_FINAL Section 1_36+00_03 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



37+00.00



36+50.00



36+00.00

Sta. 36+00.00 to Sta. 37+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

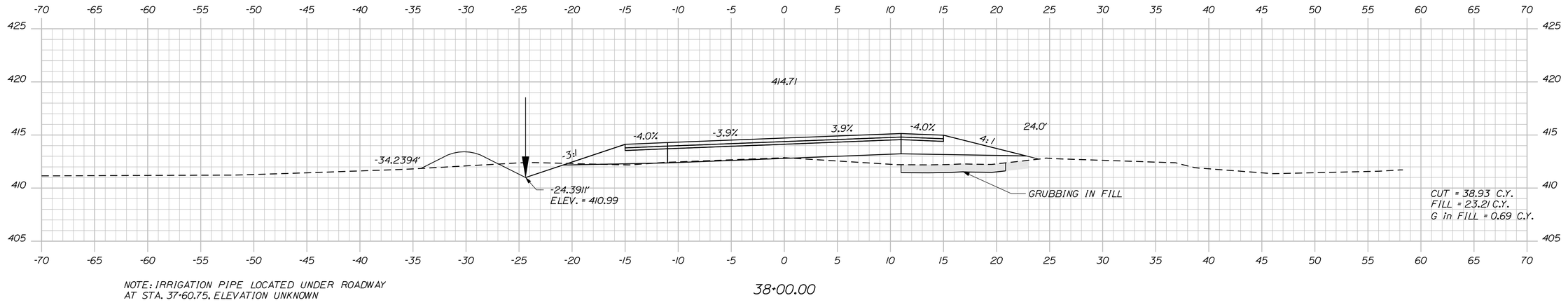
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

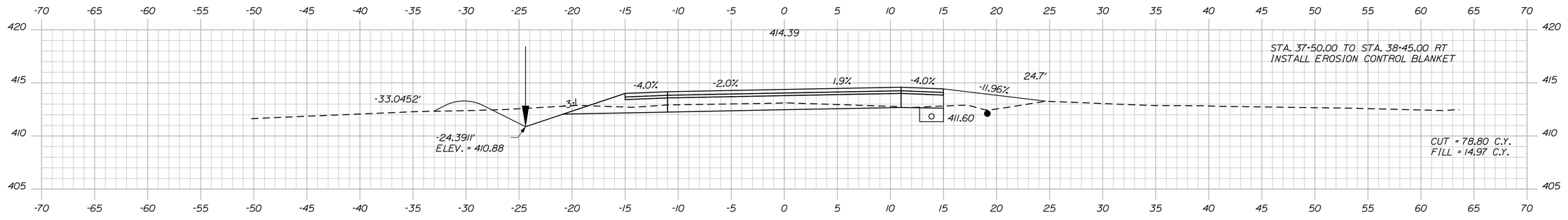
93

OF 329

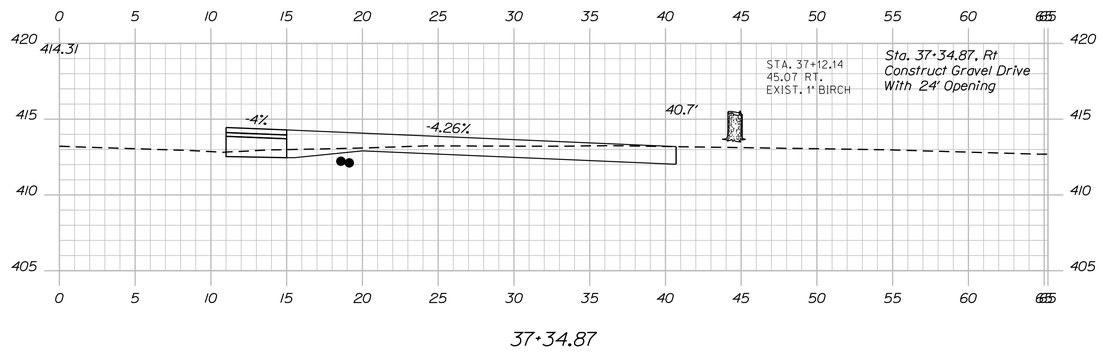


NOTE: IRRIGATION PIPE LOCATED UNDER ROADWAY AT STA. 37+60.75. ELEVATION UNKNOWN

38+00.00



37+50.00



37+34.87

Sta. 37+34.87 to Sta. 38+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

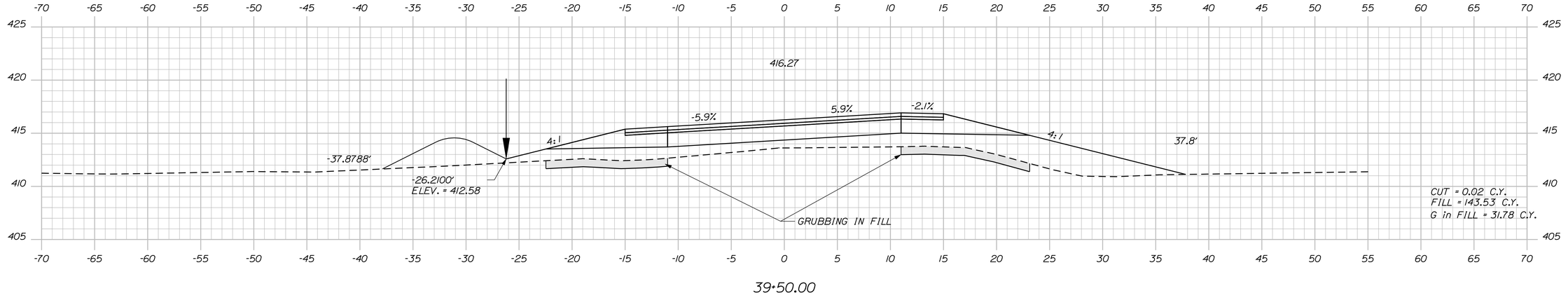
CROSS SECTIONS

SHEET NUMBER

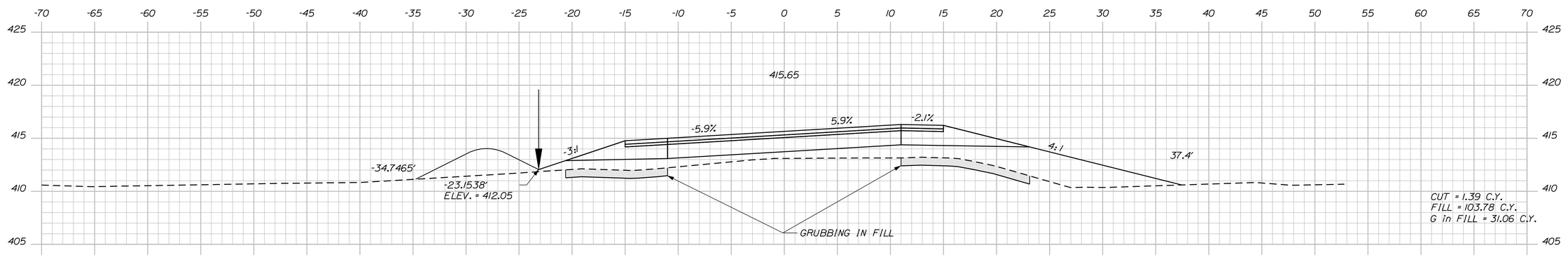
94

OF 329

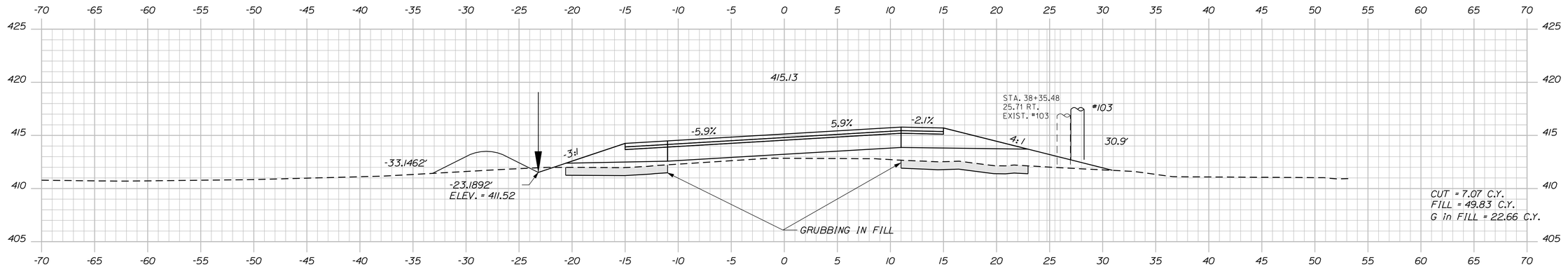
Filename: ...\094_Xsect_FINAL Section 1_37+34_03 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



39+50.00



39+00.00



38+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

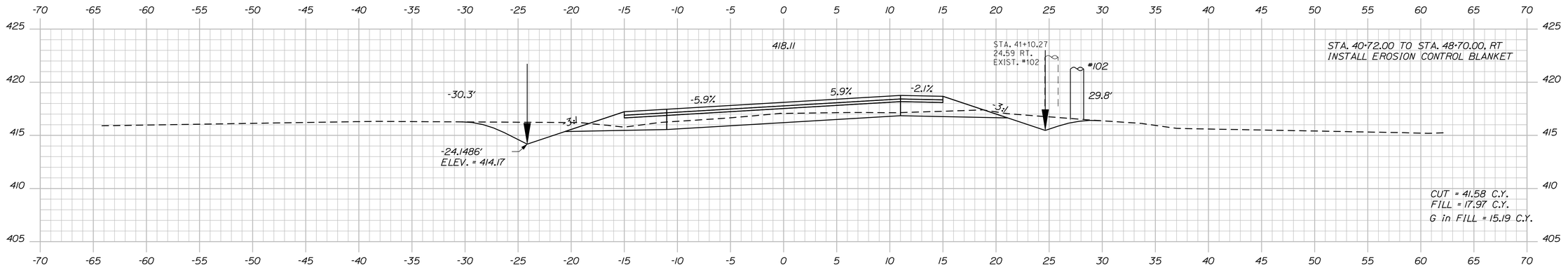
95

OF 329

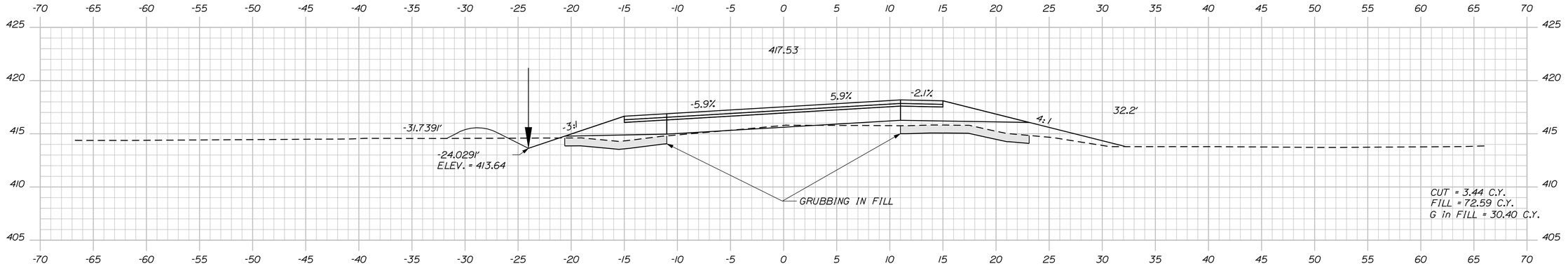
Sta. 38+50.00 to Sta. 39+50.00

Filename: ...\095_Xsect_FINAL Section 1_38+50_039+50.dgn Username: natasha.m.collins Date:3/4/2015

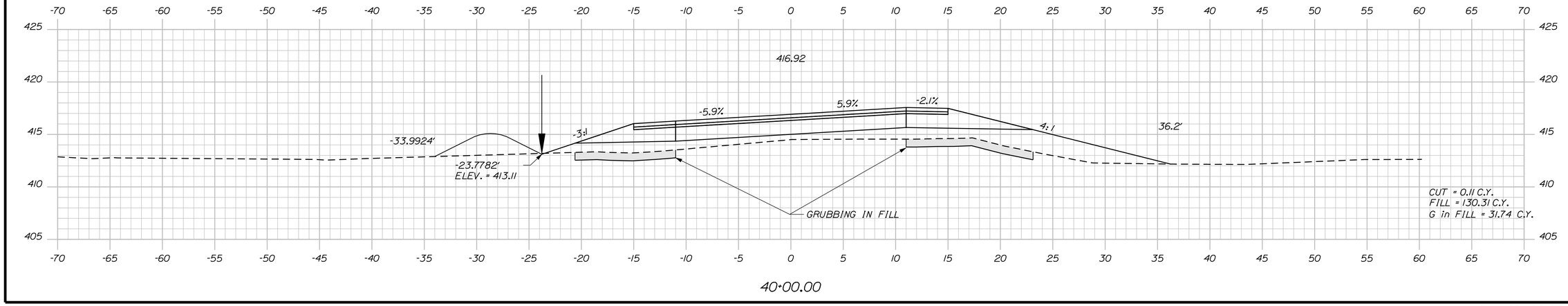
Filename: ...\096_Xsect_FINAL Section 1_40+00_03 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



41+00.00



40+50.00



40+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

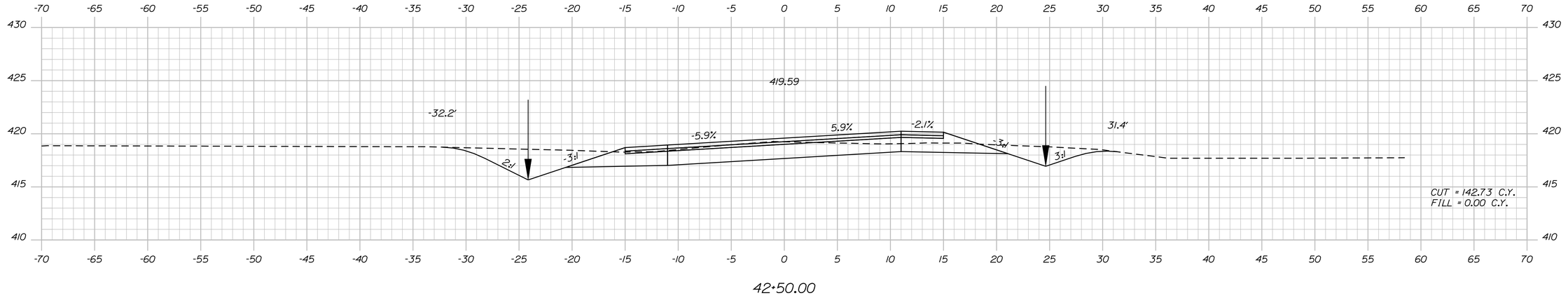
CROSS SECTIONS

SHEET NUMBER

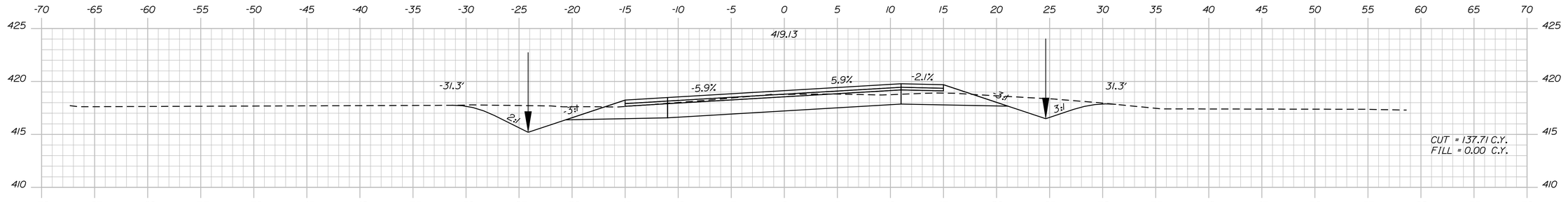
96

OF 329

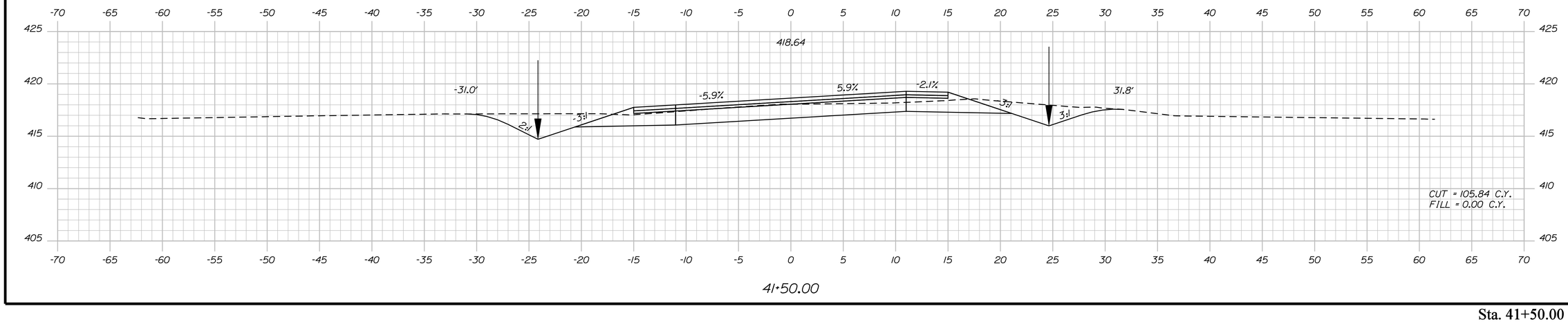
Sta. 40+00.00 to Sta. 41+00.00



42+50.00



42+00.00



41+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

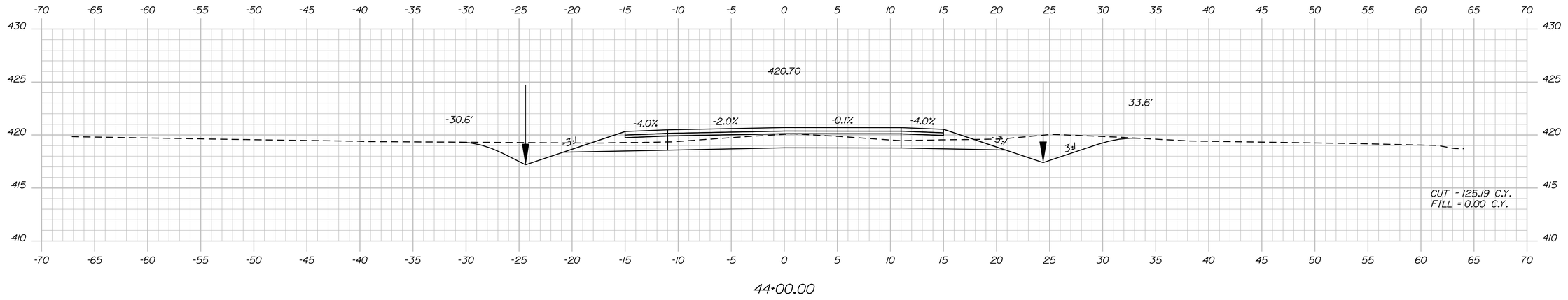
SHEET NUMBER

97

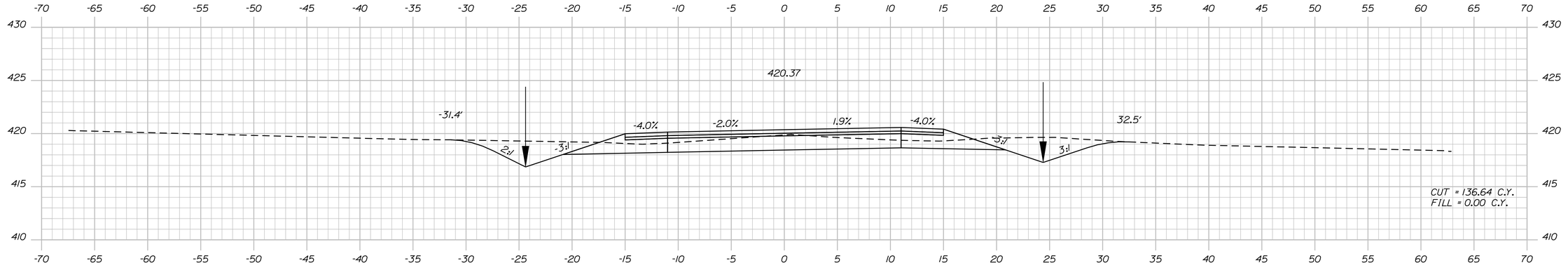
OF 329

Sta. 41+50.00 to Sta. 42+50.00

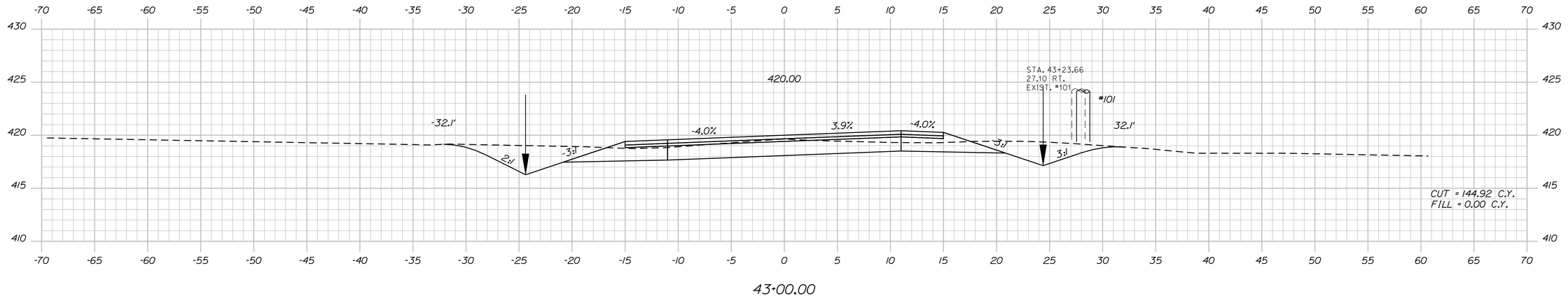
Filename: ...\097_Xsect_FINAL Section 1_41+50_03Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



44+00.00



43+50.00



43+00.00

Sta. 43+00.00 to Sta. 44+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

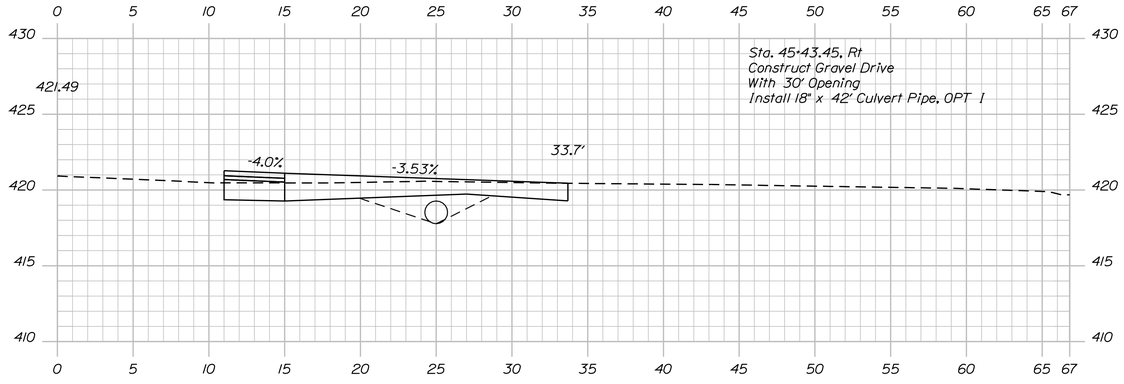
CROSS SECTIONS

SHEET NUMBER

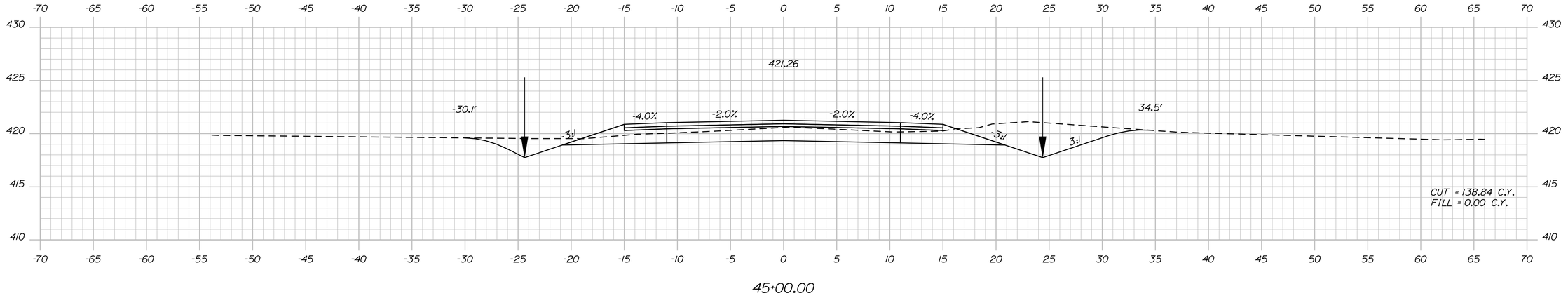
98

OF 329

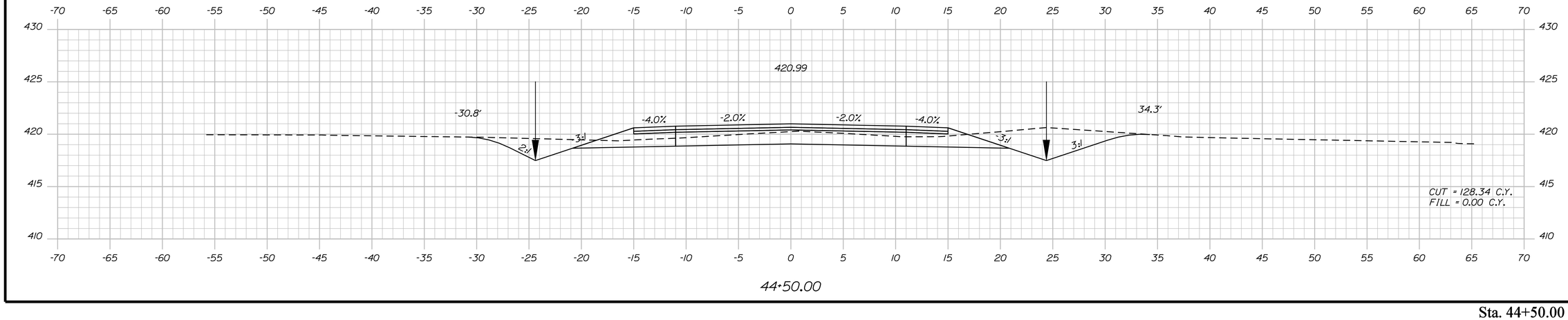
Filename: ...\098_Xsect_FINAL Section 1_43+00_03 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



45+43.45



45+00.00



44+50.00

Sta. 44+50.00 to Sta. 45+43.45

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$ DATE
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

CARIBOU
STATE ROUTE 161

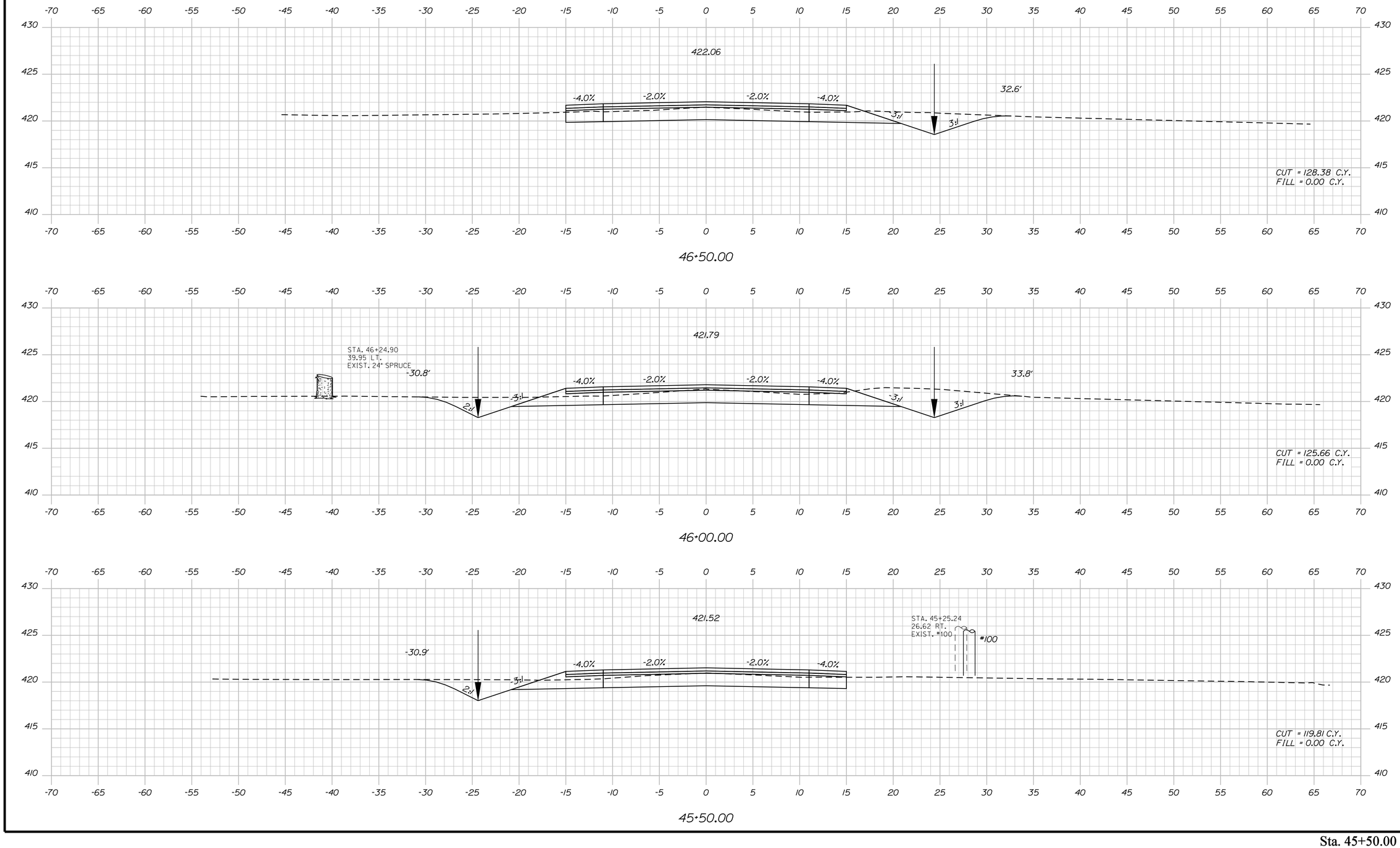
CROSS SECTIONS

SHEET NUMBER

99

OF 329

Filename: ...\099_Xsect_FINAL Section 1_44+50_03.dgn Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

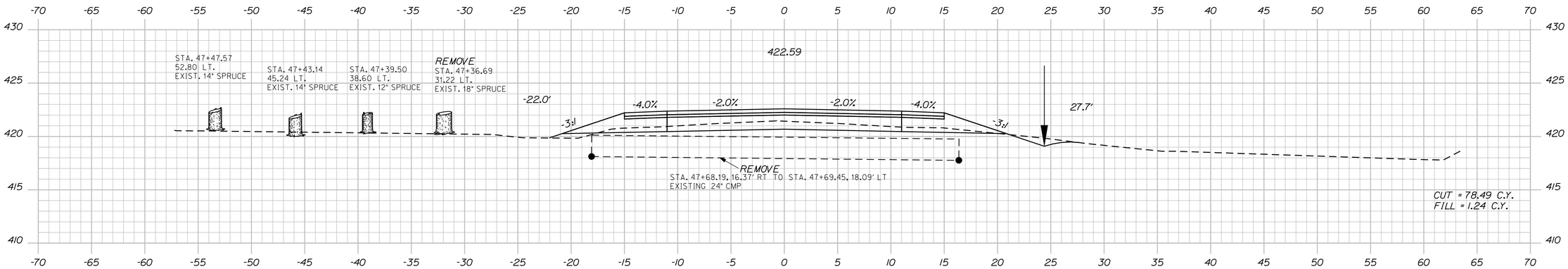
SHEET NUMBER

100

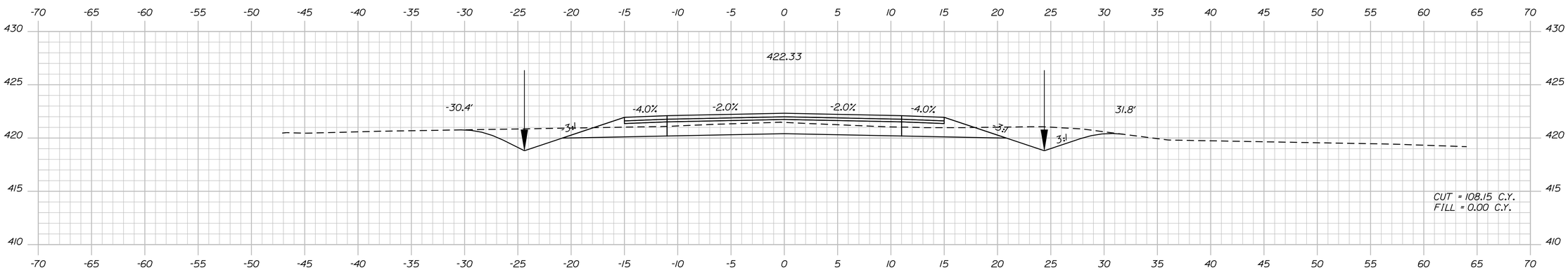
OF 329

Sta. 45+50.00 to Sta. 46+50.00

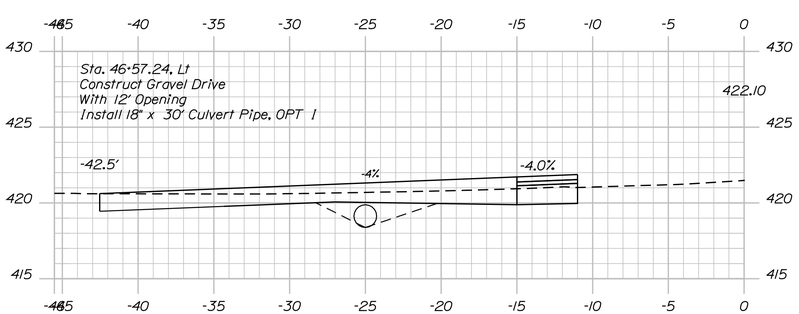
Filename: ...\100_Xsect_FINAL Section 1_45+50_03Bdgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



47+50.00



47+00.00



46+57.24

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

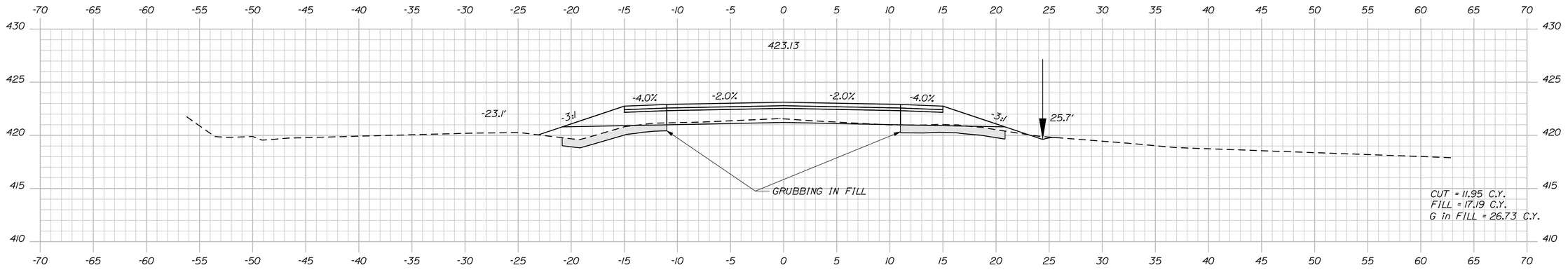
SHEET NUMBER

101

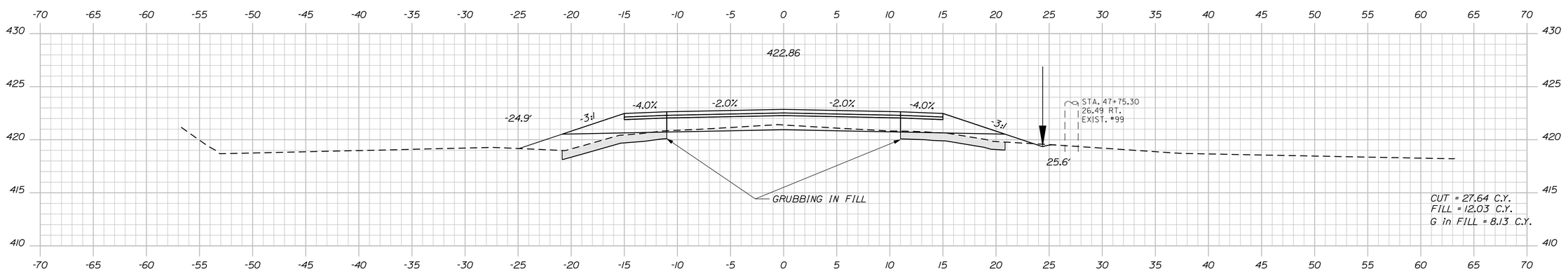
OF 329

Filename: ...\101_Xsect_FINAL Section 1_46+57_039.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

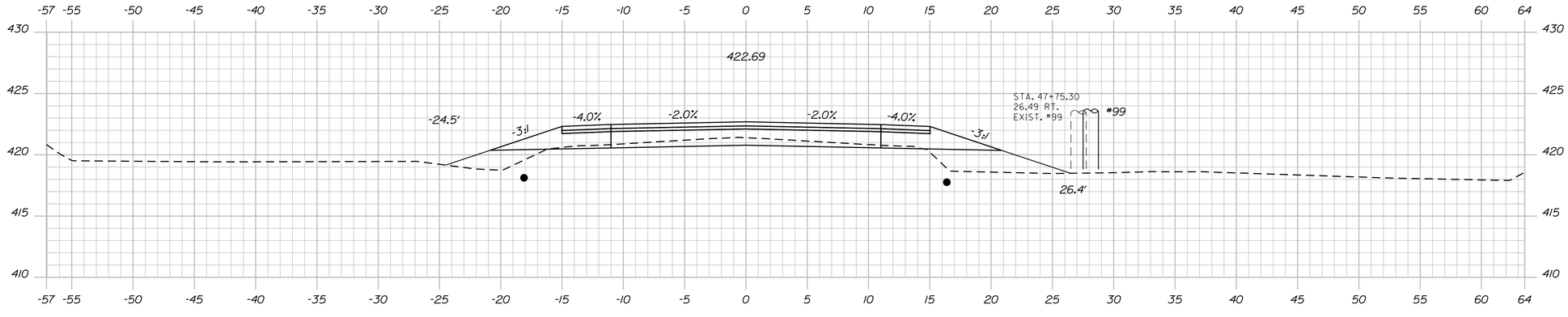
Sta. 46+57.24 to Sta. 47+50.00



48+50.00



48+00.00



47+68.81

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$	$r#$	$revdate3$	DATE
REVISIONS 4	$revision4$	$r#$	$revdate4$	
FIELD CHANGES	$fieldchange$	$r#$	$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

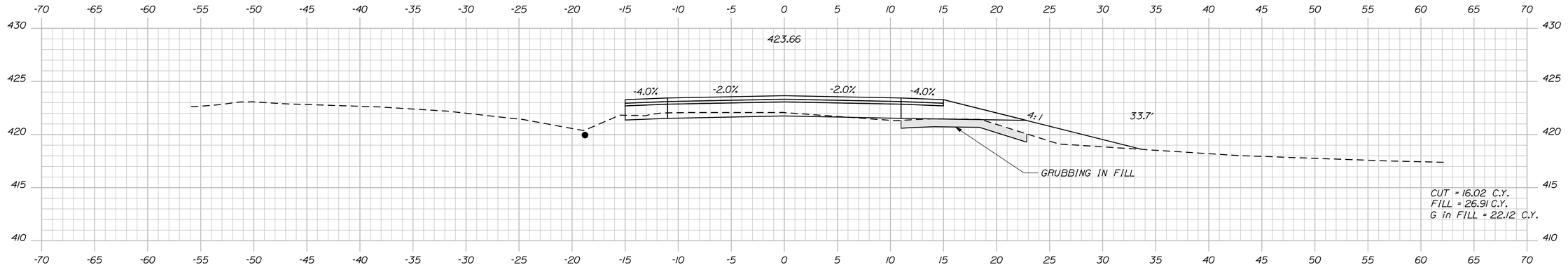
SHEET NUMBER

102

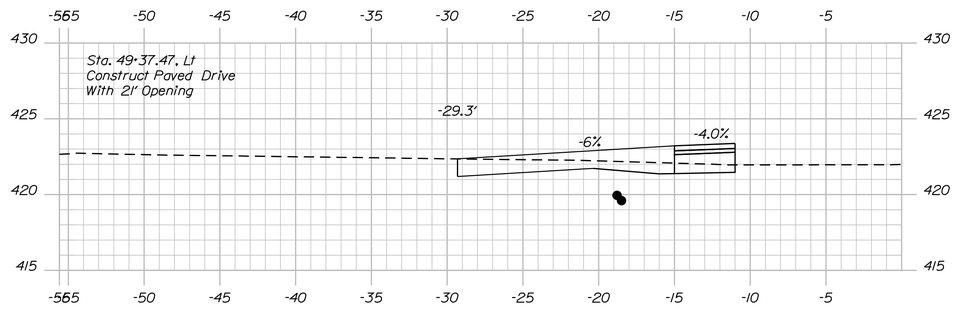
OF 329

Sta. 47+68.81 to Sta. 48+50.00

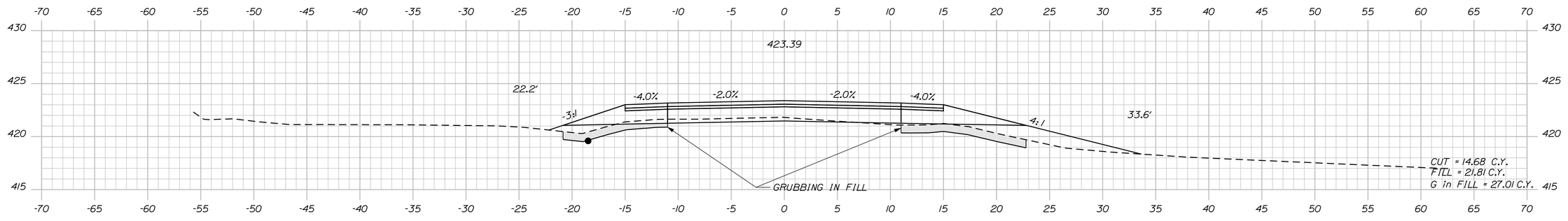
Filename: ...\102_Xsect_FINAL Section 1_47+68_040 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



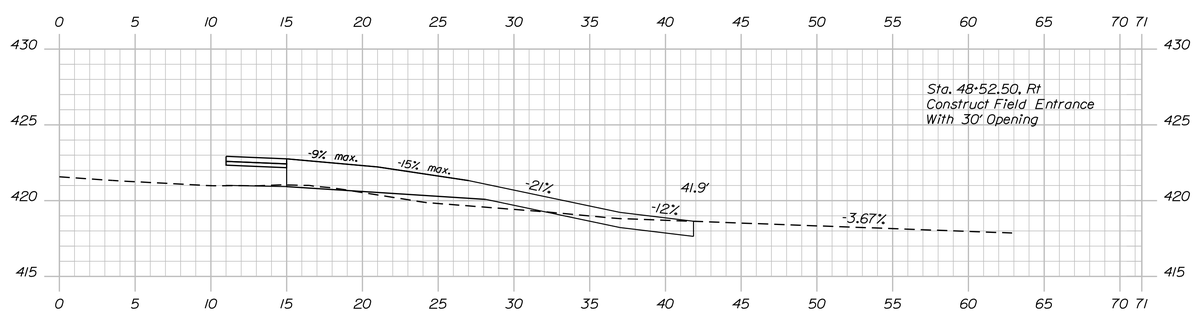
49+50.00



49+37.47



49+00.00



48+52.50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	$revision3$		$revdate3$
REVISIONS 3	$revision4$		$revdate4$
REVISIONS 4	$revision5$		$revdate5$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

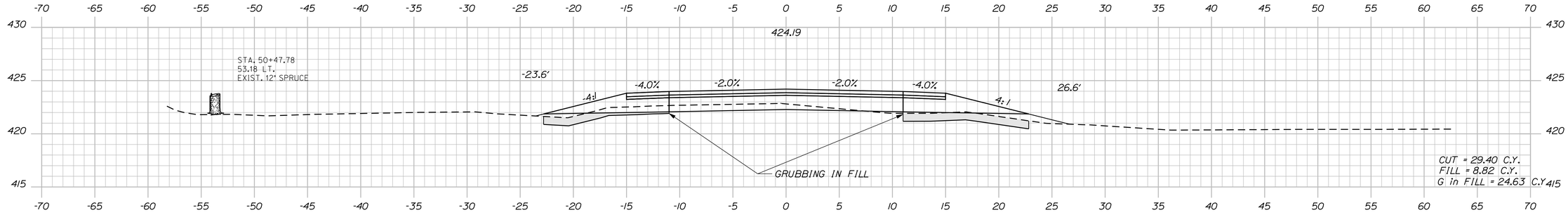
103

OF 329

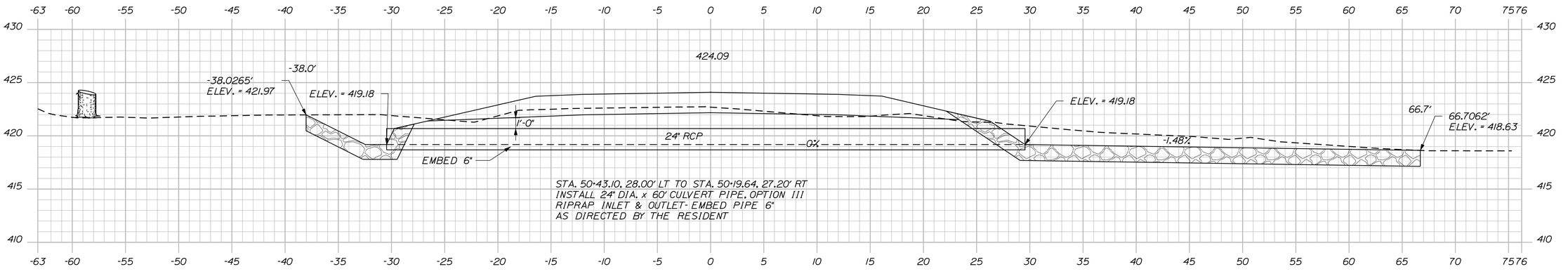
Sta. 48+52.50 to Sta. 49+50.00

Username: natasha.m.collins Date:3/4/2015

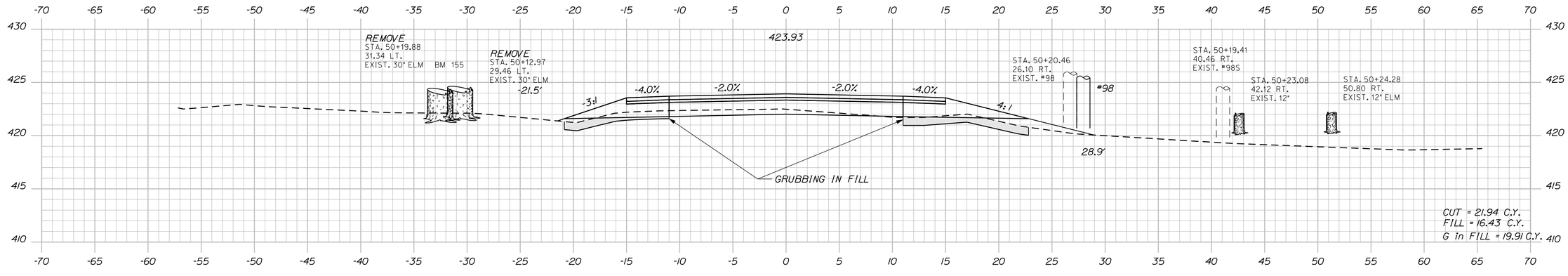
Filename: ...\103_Xsect_FINAL Section 1_48+52_04Design: HIGHWAY



50+50.00



50+31.19 (SKEWED SECTION)



50+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

104

OF 329

Sta. 50+00.00 to Sta. 50+50.00

Filename: ...\104_Xsect_FINAL Section 1_50+00_04 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 51+00.00 to Sta. 52+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	-----
REVISIONS 2	$revision3$		$revdate3$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
STATE ROUTE 161

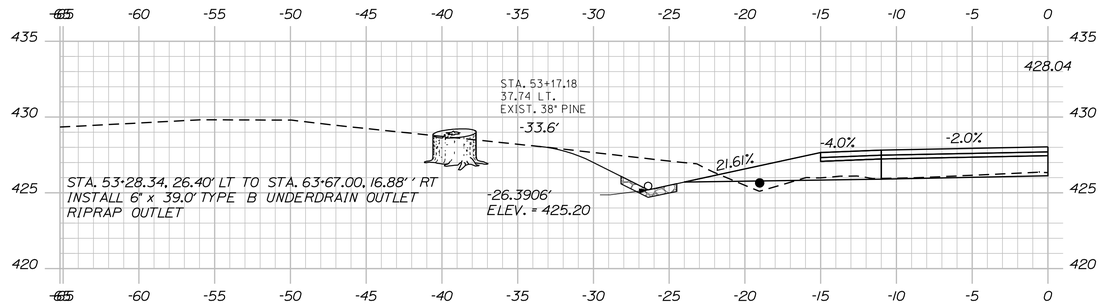
CROSS SECTIONS

SHEET NUMBER

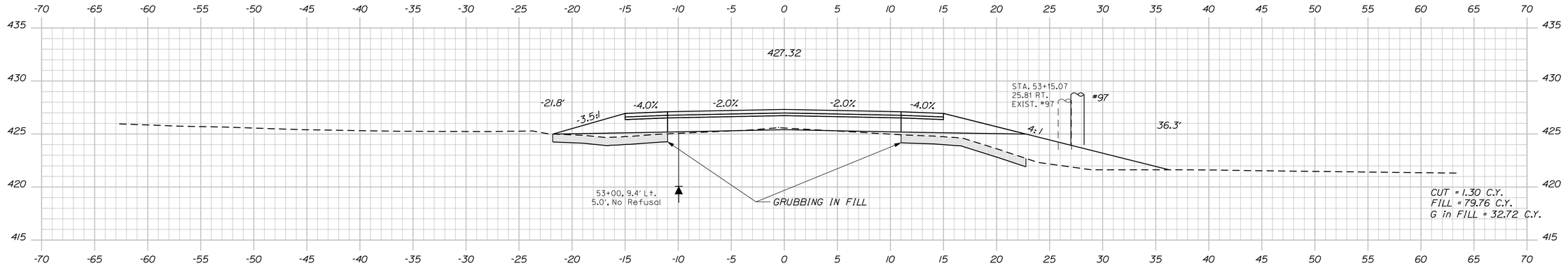
105

OF 329

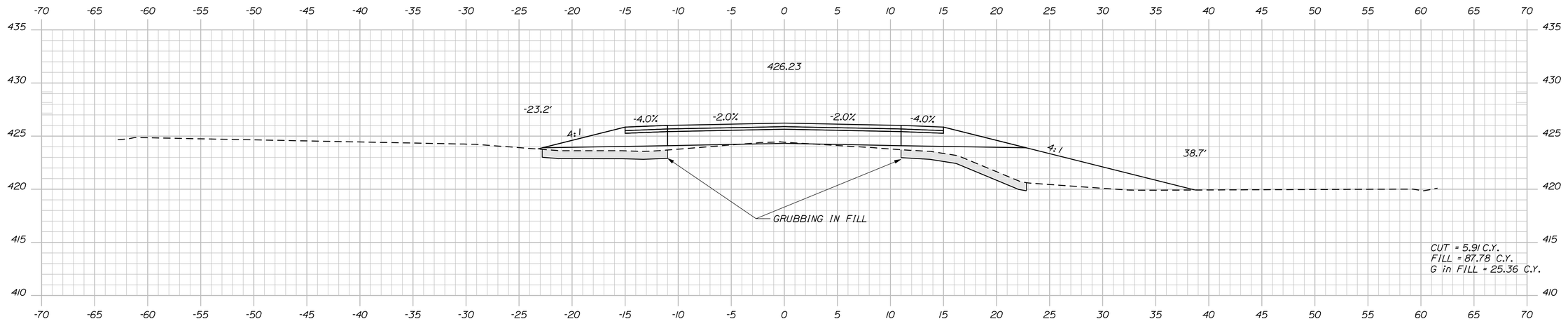
Filename: ...\105_Xsect_FINAL Section 1_51+00_04.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



53+28.34



53+00.00



52+50.00

Sta. 52+50.00 to Sta. 53+28.34

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$ P.E. NUMBER
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldDate$

CARIBOU
STATE ROUTE 161

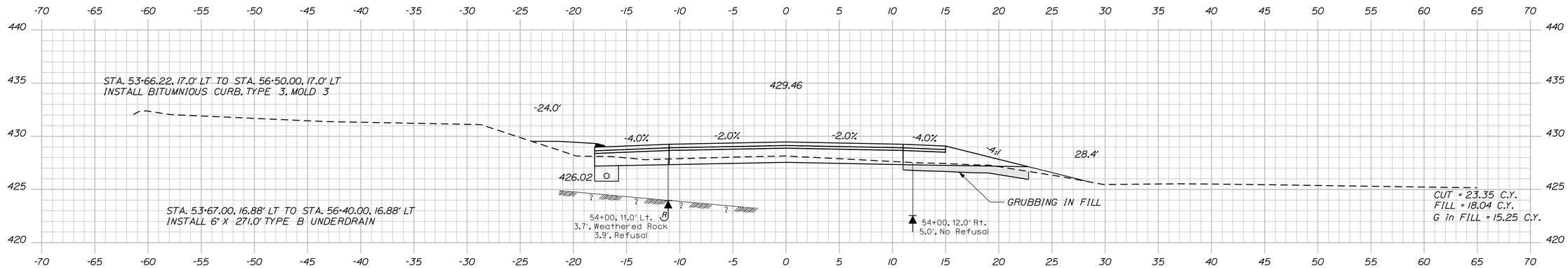
CROSS SECTIONS

SHEET NUMBER

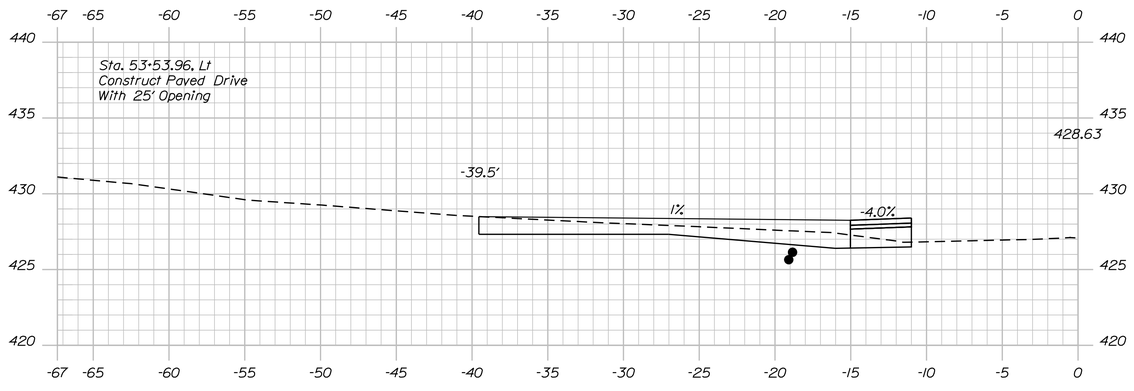
106

OF 329

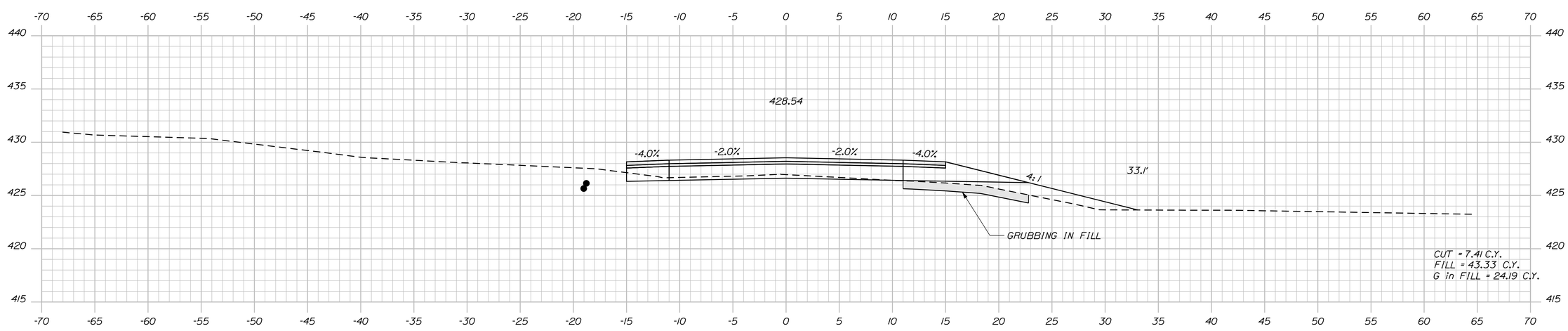
Filename: ...\106_Xsect_FINAL Section 1_52+50_04 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



54+00.00



53+53.96



53+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

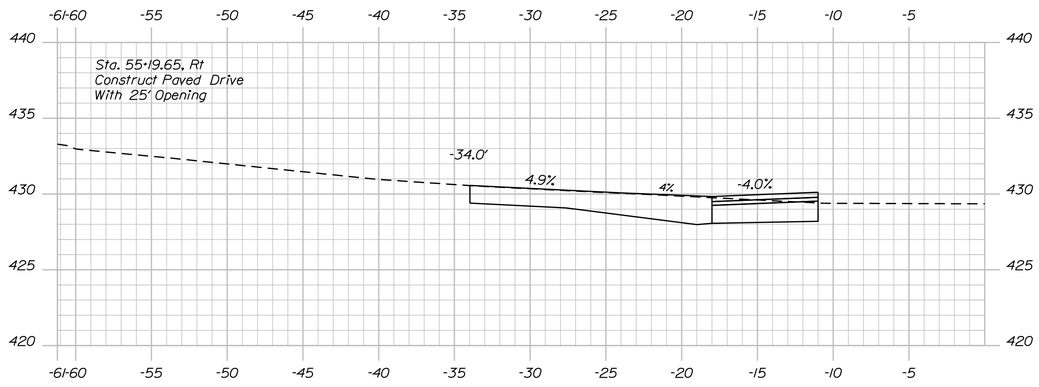
CROSS SECTIONS

SHEET NUMBER
107
OF 329

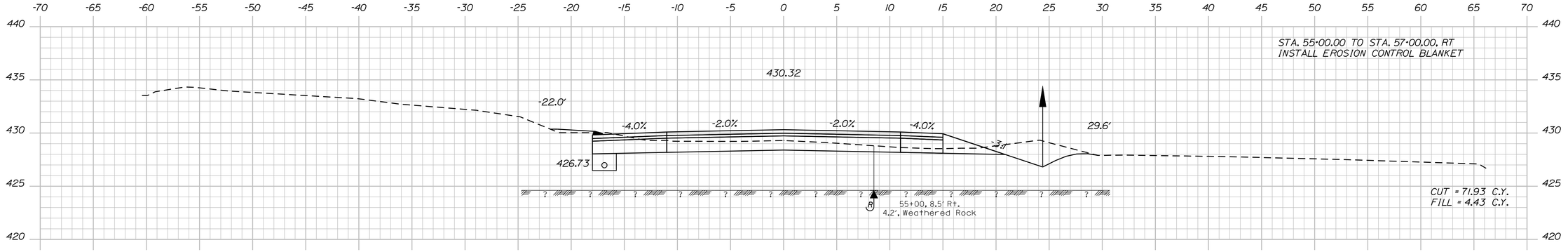
Sta. 53+50.00 to Sta. 54+00.00

Filename: ...\107_Xsect_FINAL Section 1_53+50_04Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

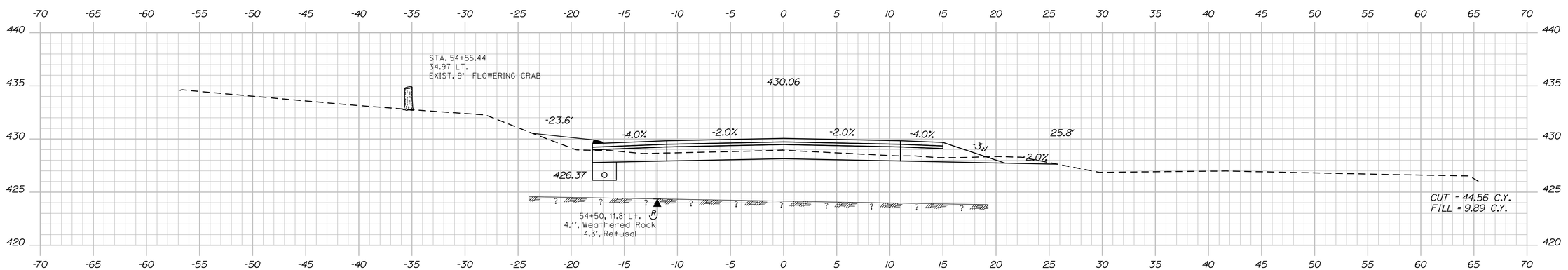
Filename: ...\108_Xsect_FINAL Section 1_54+50_04Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



55+19.65



55+00.00



54+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	$datetoler1$	$revdate1$
REVISIONS 2	$datetoler2$	$revdate2$
REVISIONS 3	$datetoler3$	$revdate3$
REVISIONS 4	$datetoler4$	$revdate4$
FIELD CHANGES	$datetoler5$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

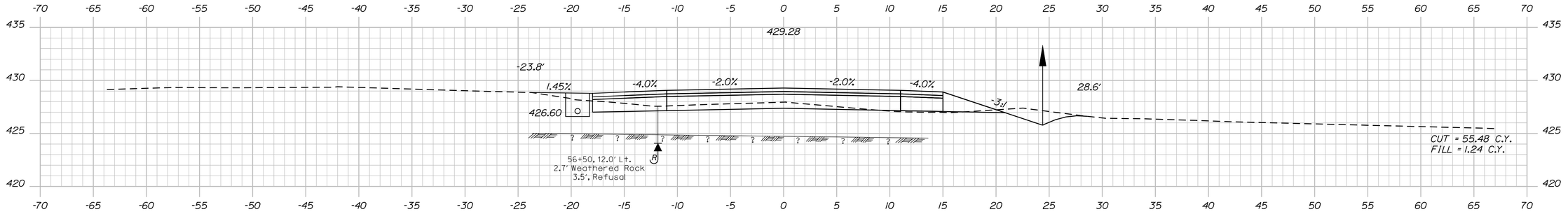
SHEET NUMBER

108

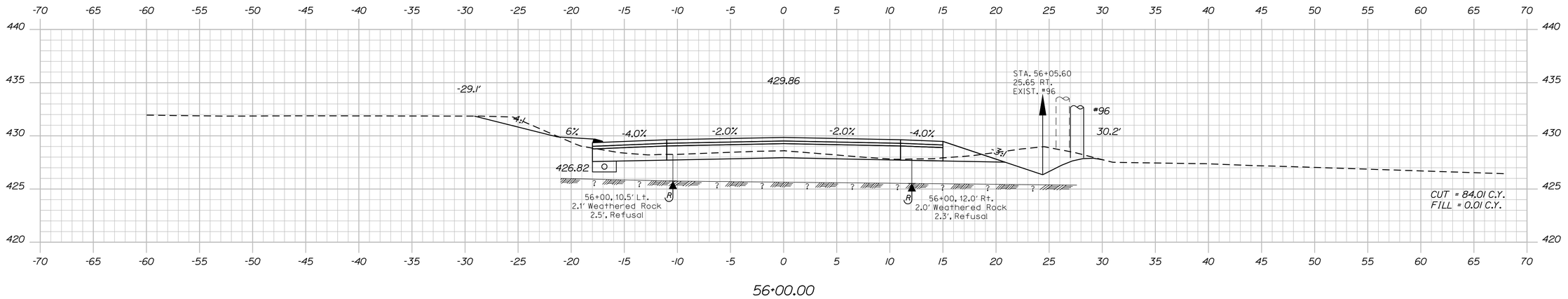
OF 329

Sta. 54+50.00 to Sta. 55+19.65

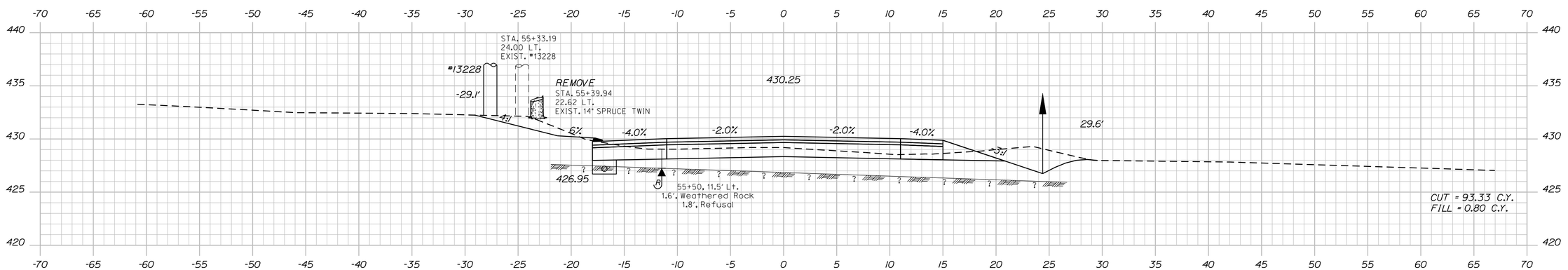
NOTE:
STA. 56+50.00, LT TO STA. 56+75.00, LT
TRANSITION SHOULDER WIDTH
FROM 7' TOTAL WIDTH TO TYPICAL 4' WIDTH
AS DIRECTED BY THE RESIDENT



56+50.00



56+00.00



55+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchangedate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

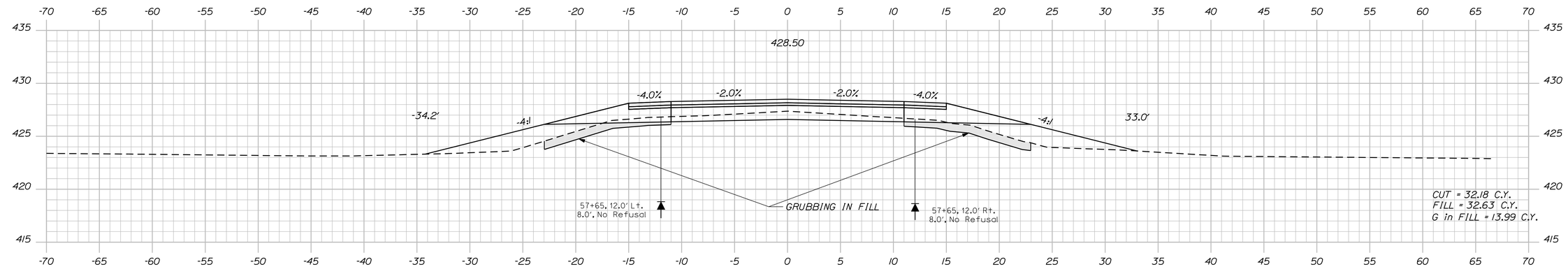
SHEET NUMBER

109

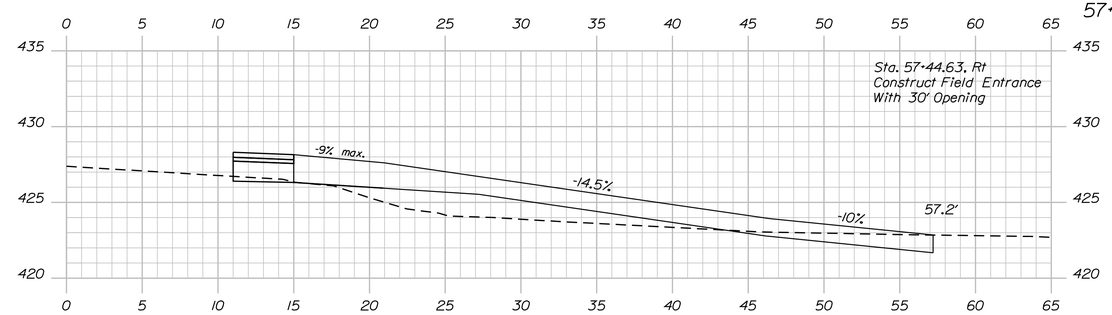
OF 329

Sta. 55+50.00 to Sta. 56+50.00

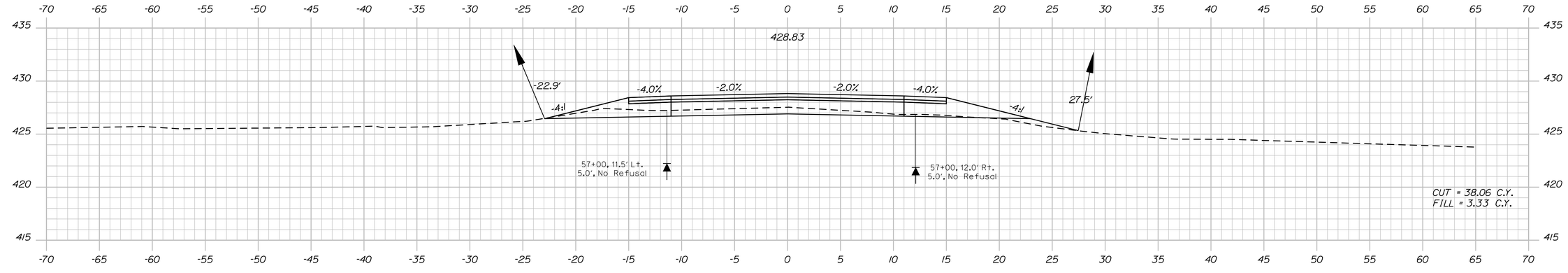
Filename: ...\109_Xsect_FINAL Section 1_55+50_04 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



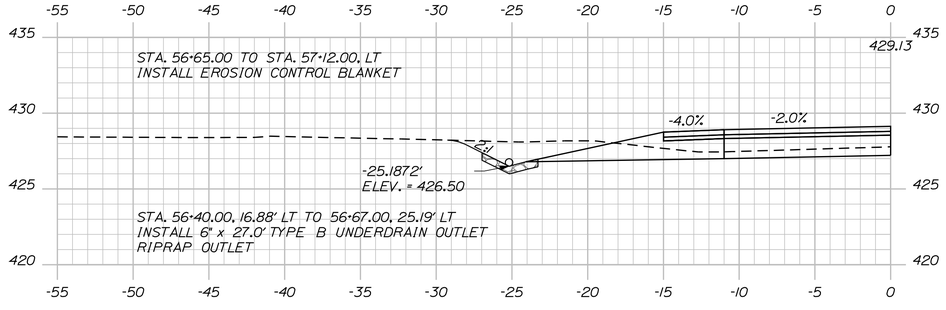
57+50.00



57+44.63



57+00.00



56+65.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	_____	$revdate1$
REVISIONS 2	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

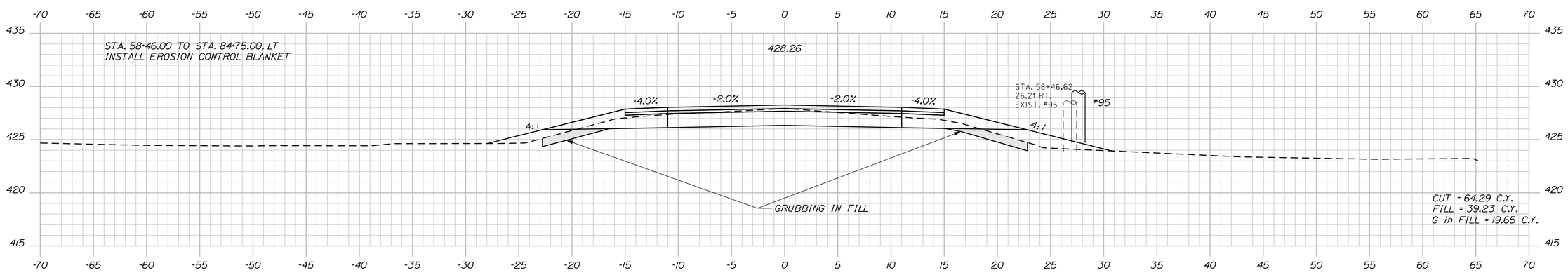
110

OF 329

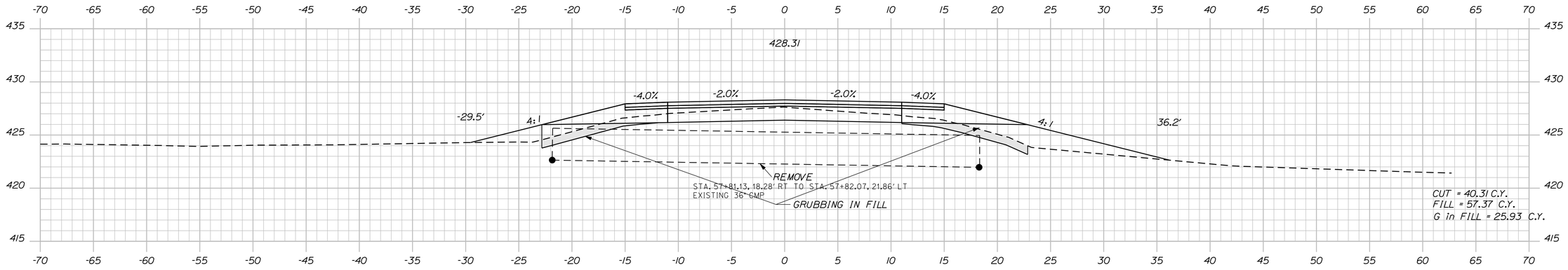
Sta. 56+65.00 to Sta. 57+50.00

Filename: ...\110_Xsect_FINAL Section 1_56+65_04 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

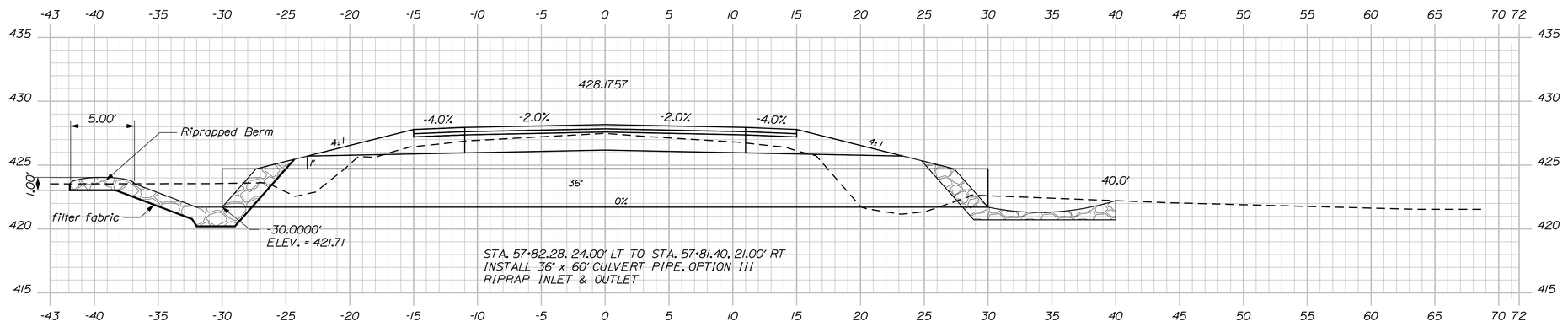
Filename: ...\111_Xsect_FINAL Section 1_57+81_049 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



58+50.00



58+00.00



57+81.56 (SKEWED SECTION)

Sta. 57+81.81 to Sta. 58+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN- DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2- DETAILED2	$designer2$	$proj date2$
DESIGN3- DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

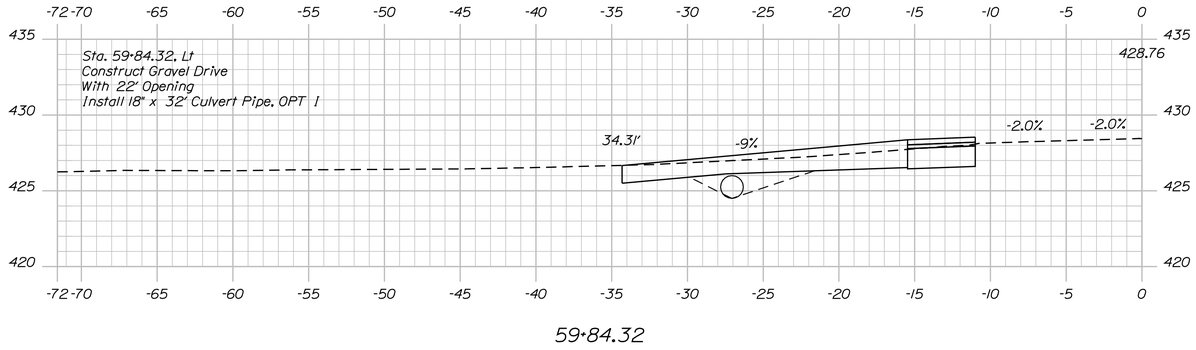
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

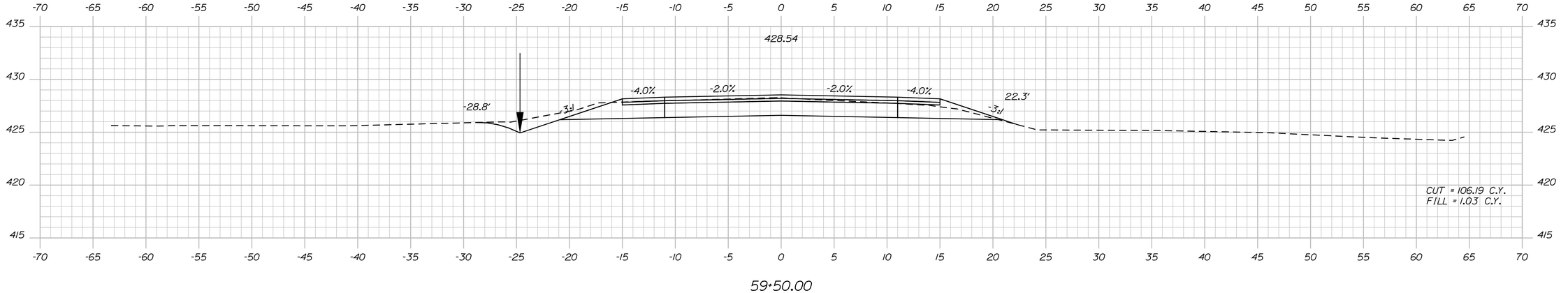
SHEET NUMBER

111

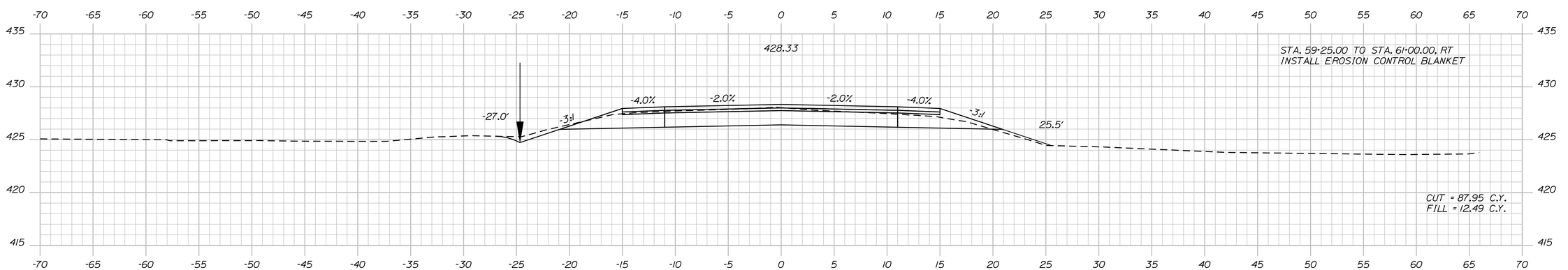
OF 329



59+84.32



59+50.00



59+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$dateOler1$	$proJdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$dateOler2$	$proJdate2$
DESIGN3-DETAILED3	$designer3$	$dateOler3$	$proJdate3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	-----	$revdate3$
REVISIONS 3	$revision3$	$revdate3$	$revdate4$
REVISIONS 4	$revision4$	$revdate4$	$fielddate$
FIELD CHANGES	$fieldchange$		

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

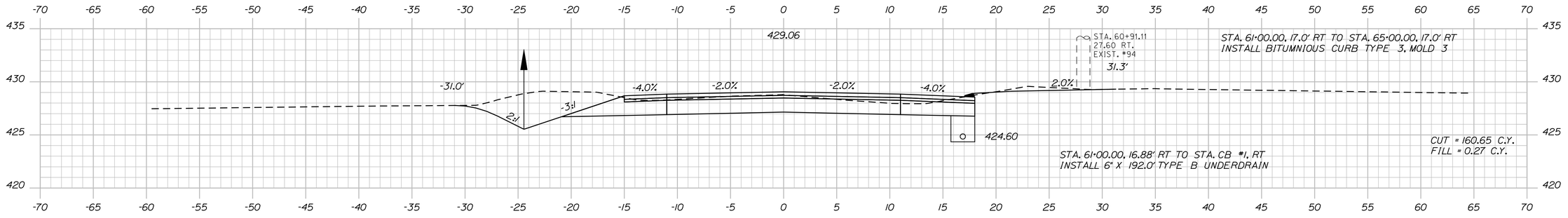
SHEET NUMBER

112

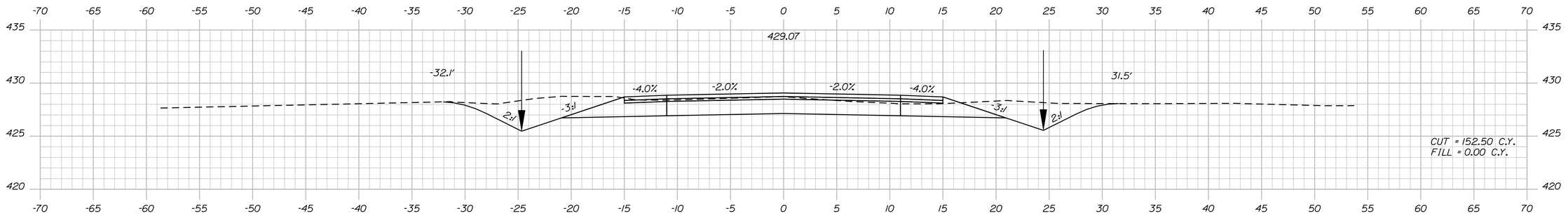
OF 329

Sta. 59+00.00 to Sta. 59+84.32

Filename: ...\112_Xsect_FINAL Section 1_59+00_05 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

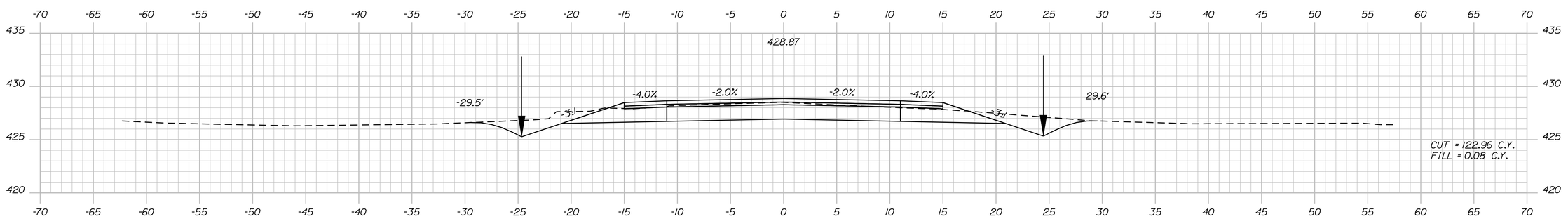


61+00.00



60+50.00

60+33.23



60+00.00

Sta. 60+00.00 to Sta. 61+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

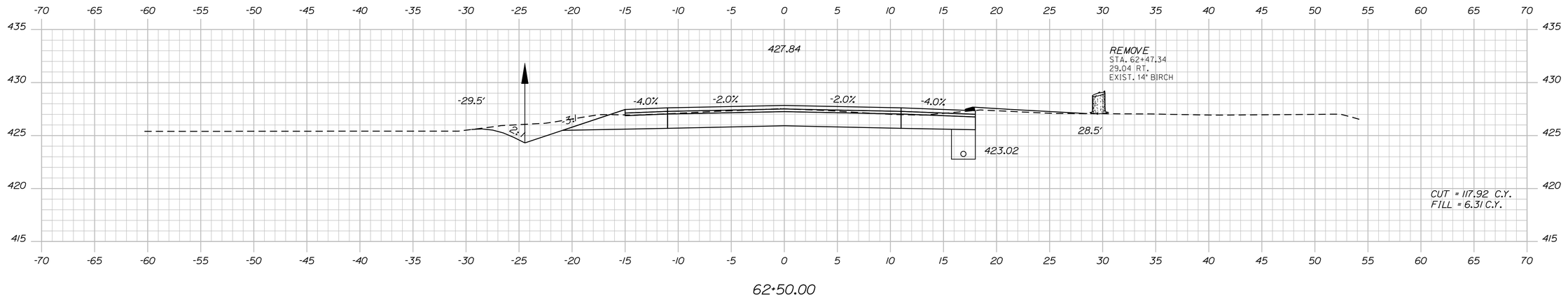
SHEET NUMBER

113

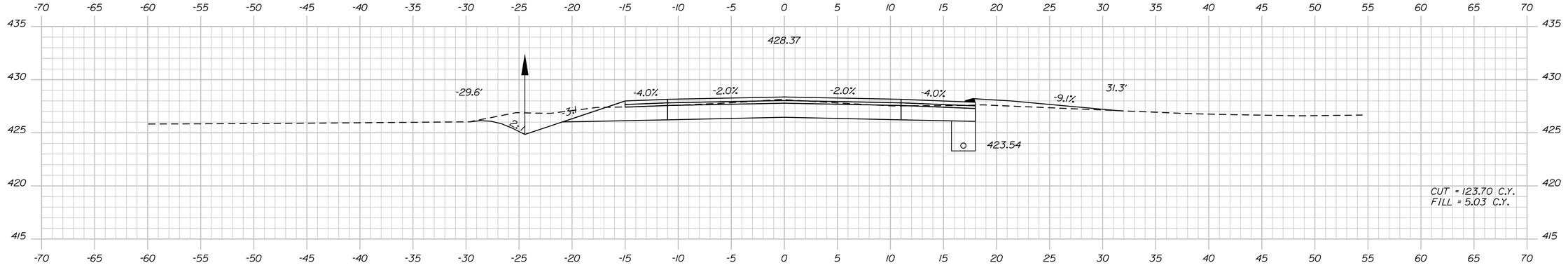
OF 329

Username: natasha.m.collins Date:3/4/2015

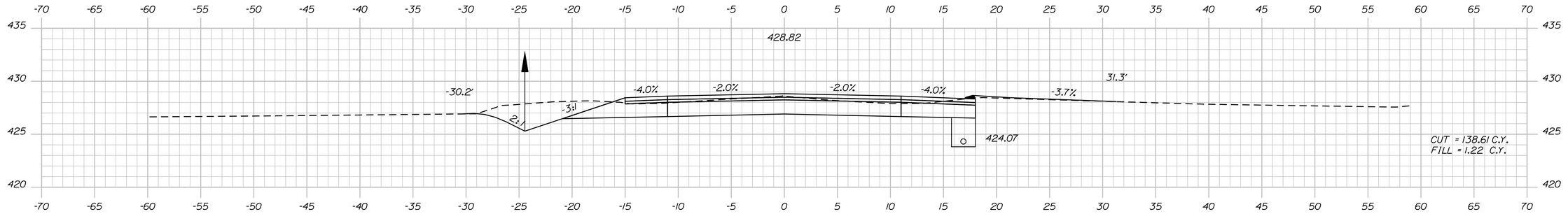
Filename: ...\113_Xsect_FINAL Section 1_60+00_05 Division: HIGHWAY



62+50.00



62+00.00



61+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	-----	$revdate3$
REVISIONS 3	$revision3$	$revdate3$	$revdate4$
REVISIONS 4	$revision4$	$revdate4$	$fieldate$
FIELD CHANGES	$fieldchange$	$fieldate$	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

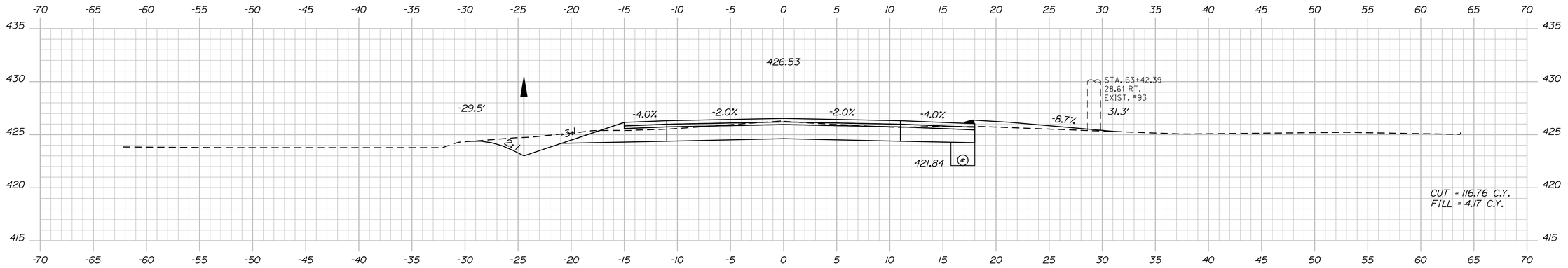
SHEET NUMBER

114

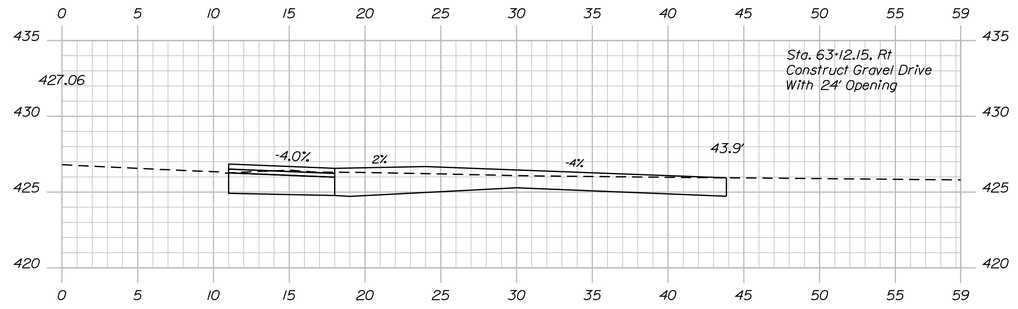
OF 329

Sta. 61+50.00 to Sta. 62+50.00

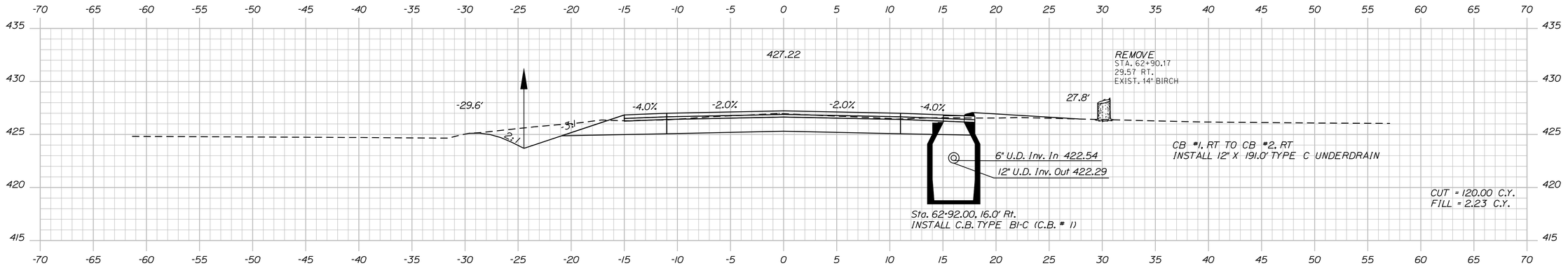
Filename: ...\114_Xsect_FINAL Section 1_61+50_062+50.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



63+50.00



63+12.15



63+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	$designer2$	$proj date2$
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

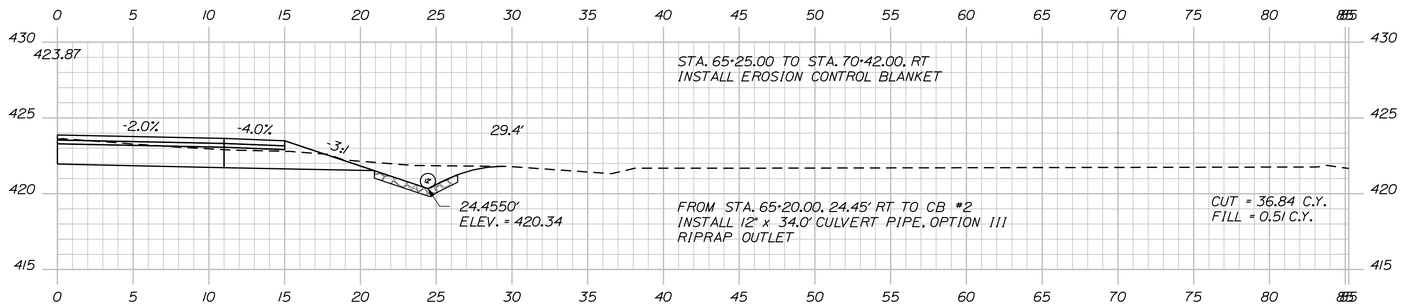
SHEET NUMBER

115

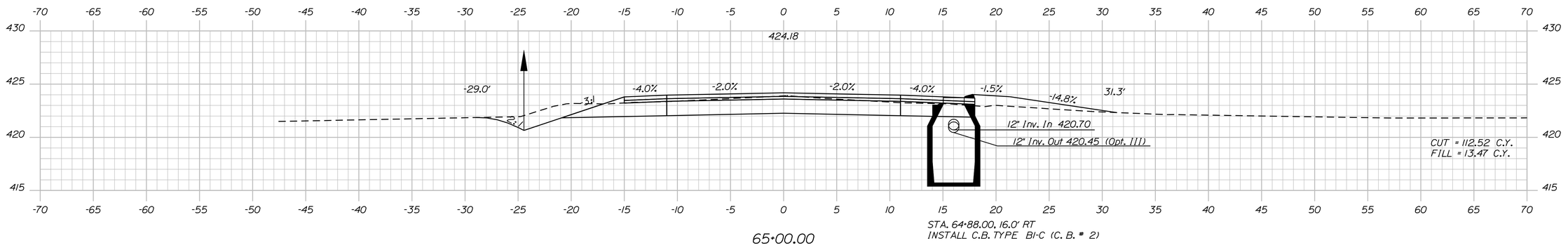
OF 329

Filename: ...\115_Xsect_FINAL Section 1_63+00_05302015 Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

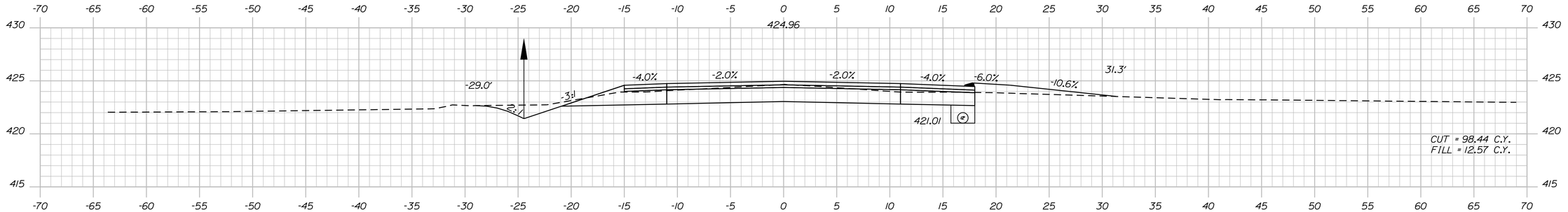
Sta. 63+00.00 to Sta. 63+50.00



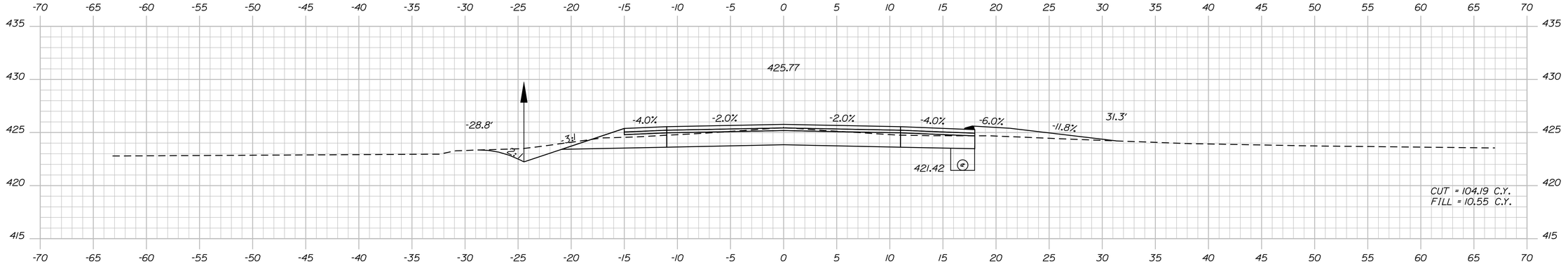
65+20.00



65+00.00



64+50.00



64+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	$revision2$	$revdate2$	
REVISIONS 3	$revision3$	$revision3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

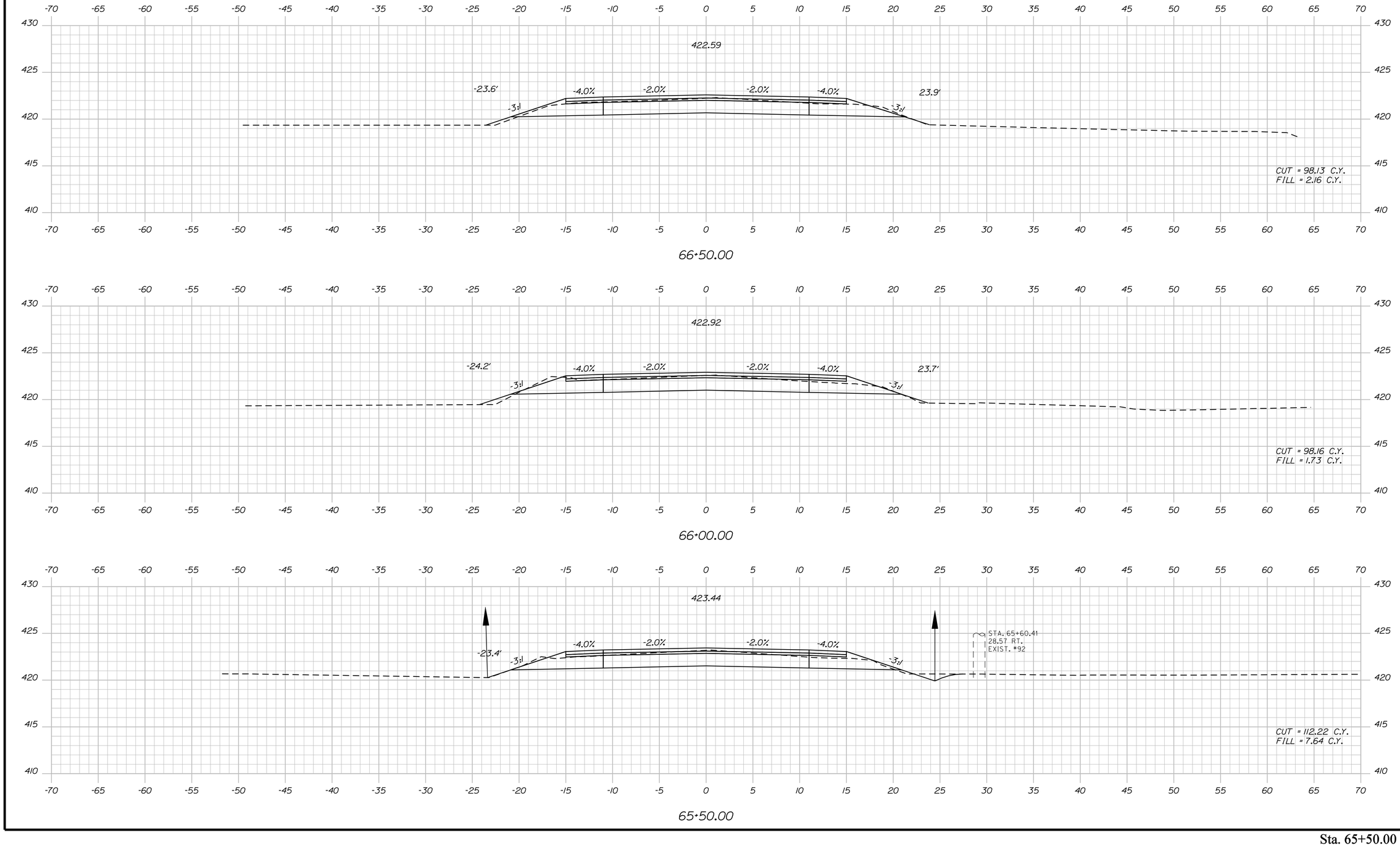
SHEET NUMBER

116

OF 329

Sta. 64+00.00 to Sta. 65+20.00

Filename: ...\116_Xsect_FINAL Section 1_64+00_05+20.dgn Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$ DATE
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fieldate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

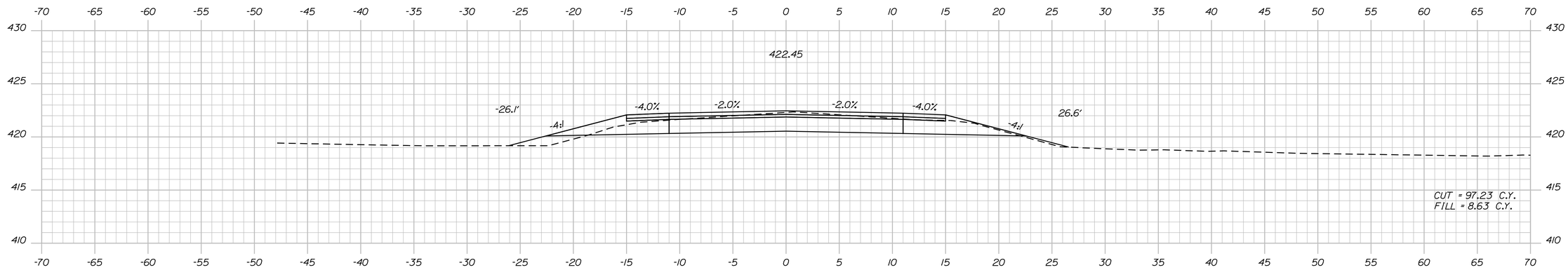
SHEET NUMBER

117

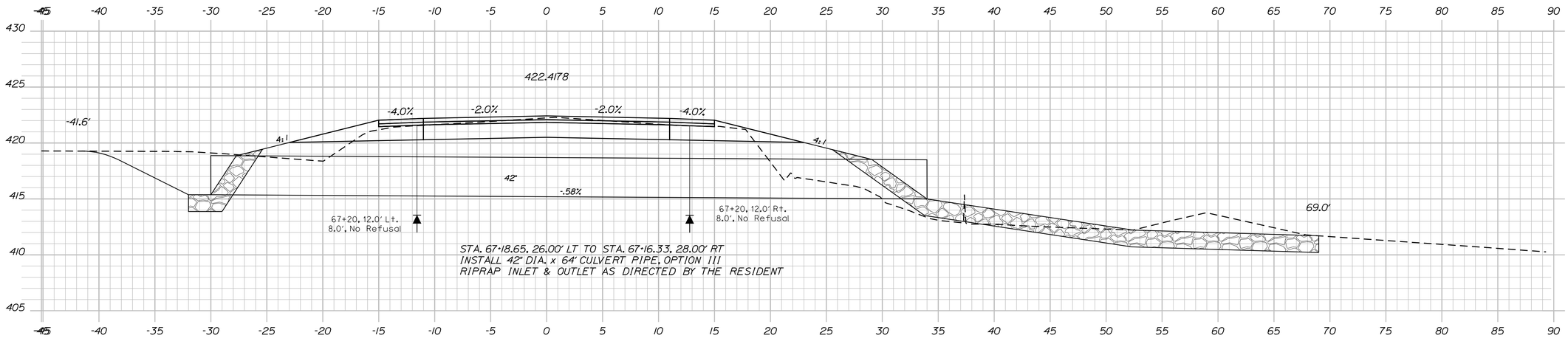
OF 329

Sta. 65+50.00 to Sta. 66+50.00

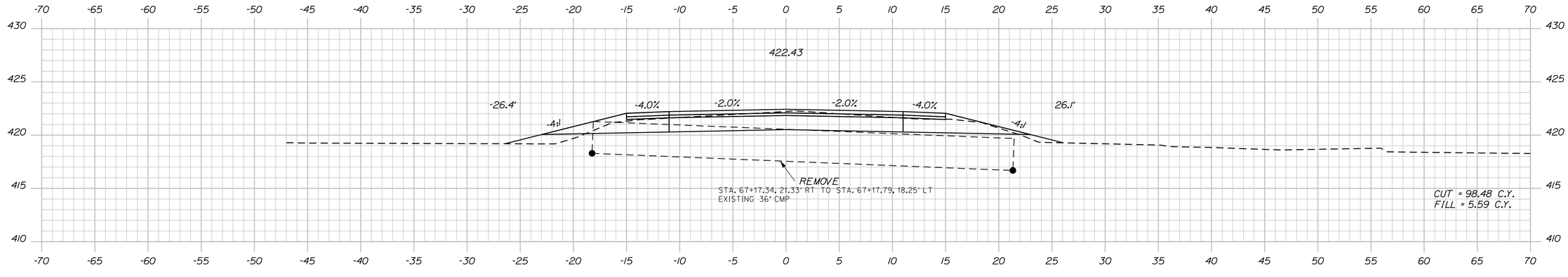
Filename: ...\117_Xsect_FINAL Section 1_65+50_05Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



67+50.00



67+17.26 (SKEWED SECTION)



67+00.00

STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revdate4$	$revdate4$	
FIELD CHANGES	$fieldchanges$		$fieldchdate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

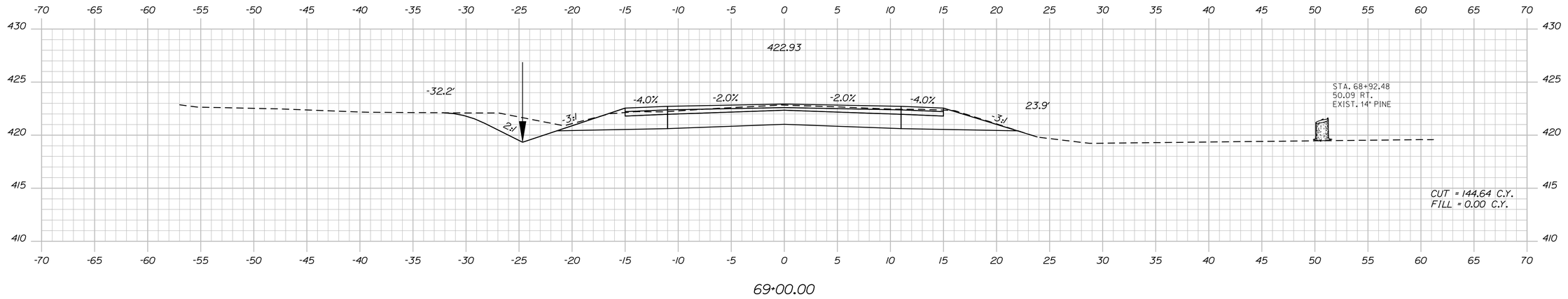
SHEET NUMBER

118

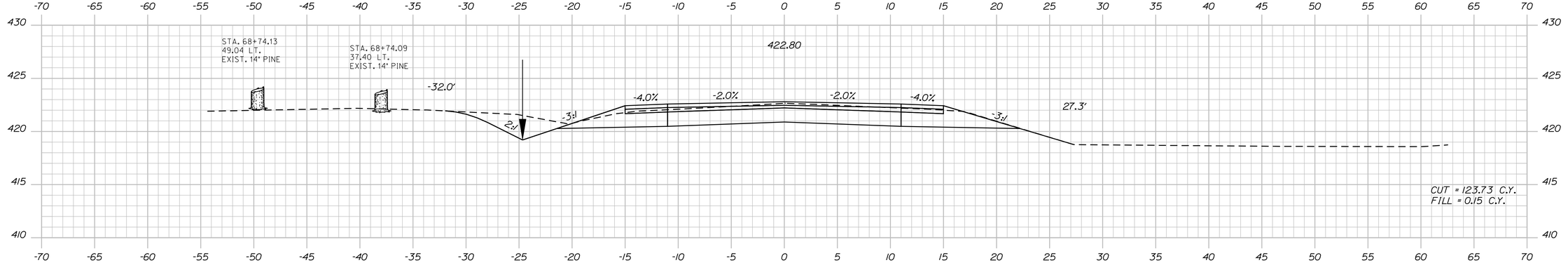
OF 329

Sta. 67+00.00 to Sta. 67+50.00

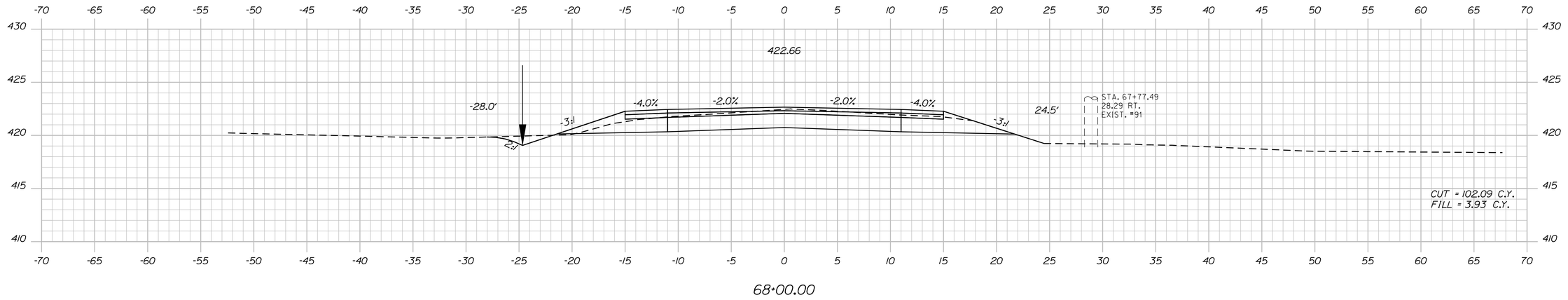
Filename: ...\118_Xsect_FINAL Section 1_67+00_050 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



69+00.00



68+50.00



68+00.00

Sta. 68+00.00 to Sta. 69+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

		DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj_date1$
CHECKED-REVIEWED	$designer2$	$proj_date2$
DESIGN2-DETAILED2	$designer2$	$proj_date2$
DESIGN3-DETAILED3	$designer3$	$proj_date3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

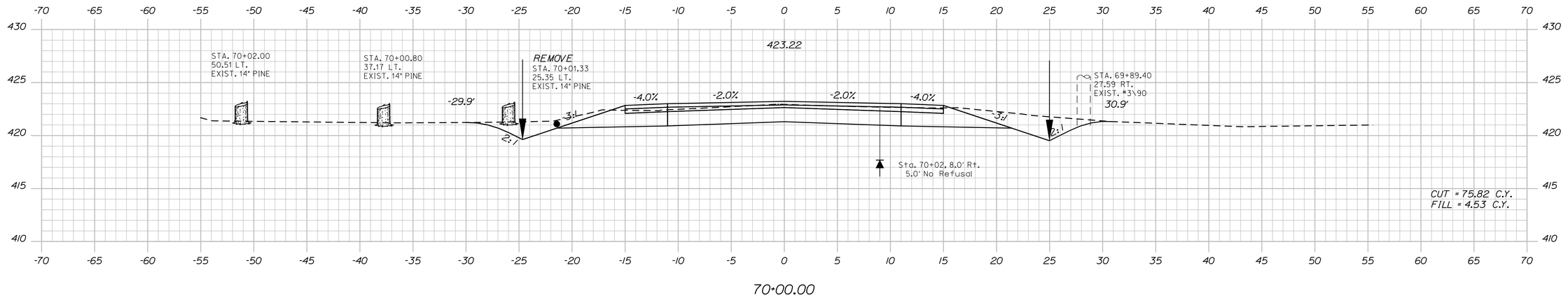
SHEET NUMBER

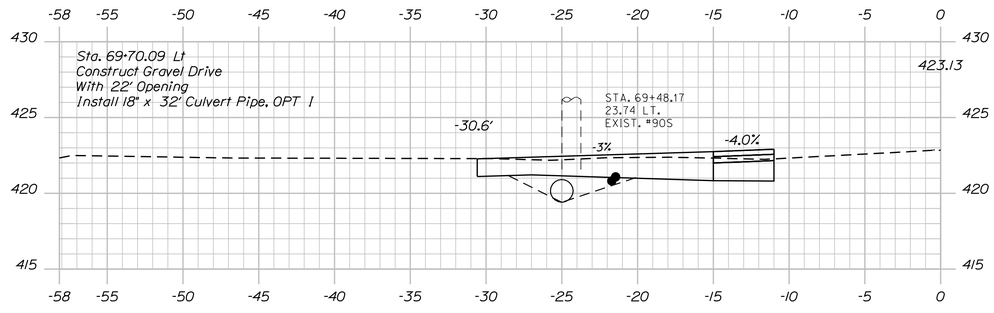
119

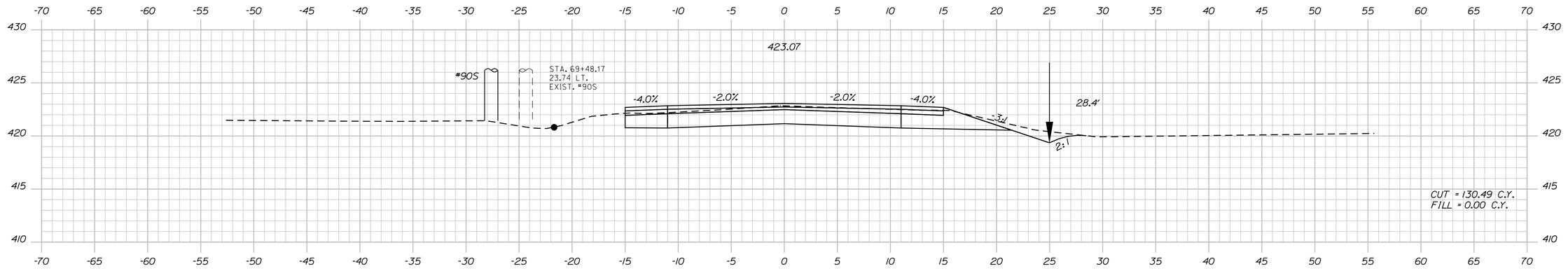
OF 329

Filename: ...\119_Xsect_FINAL Section 1_68+00_05.dgn Username: natasha.m.collins Date:3/4/2015

Division: HIGHWAY







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

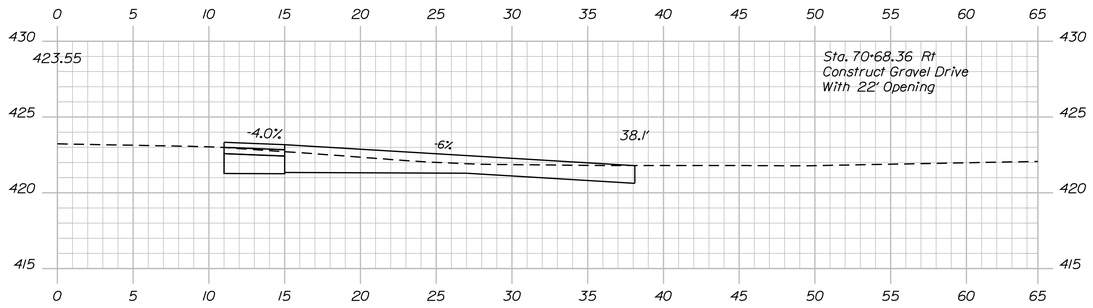
SHEET NUMBER

120

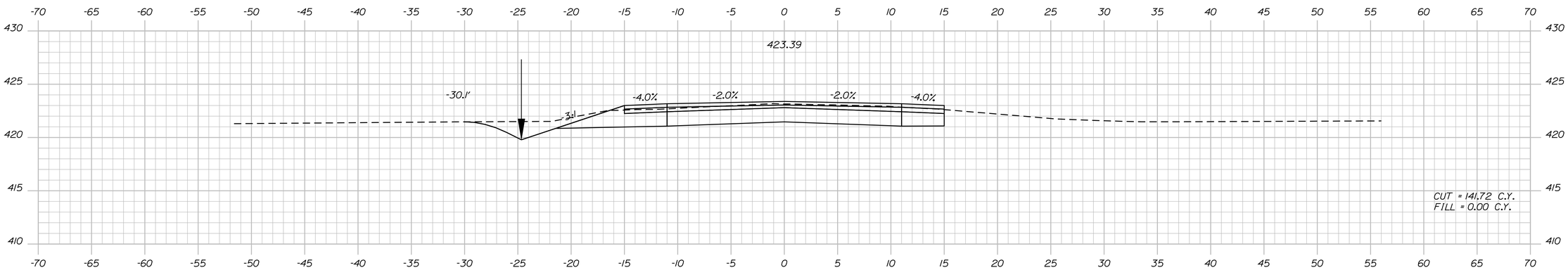
OF 329

Sta. 69+50.00 to Sta. 70+00.00

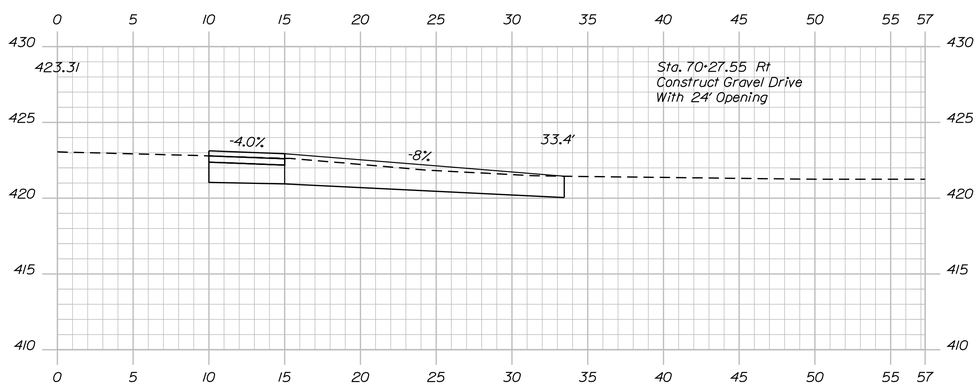
Filename: ...\120_Xsect_FINAL Section 1_69+50_070.dgn Username: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



70+68.36



70+50.00



70+27.55

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

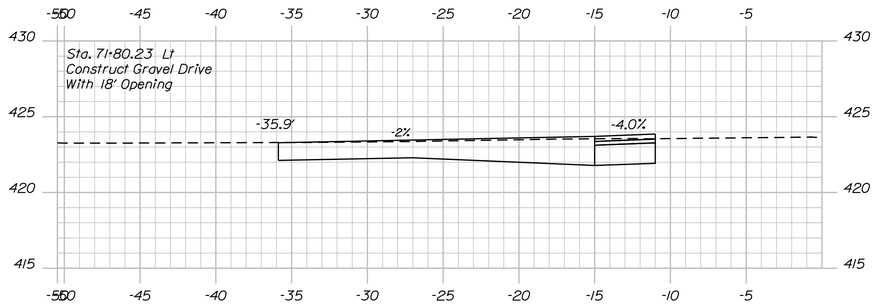
SHEET NUMBER

121

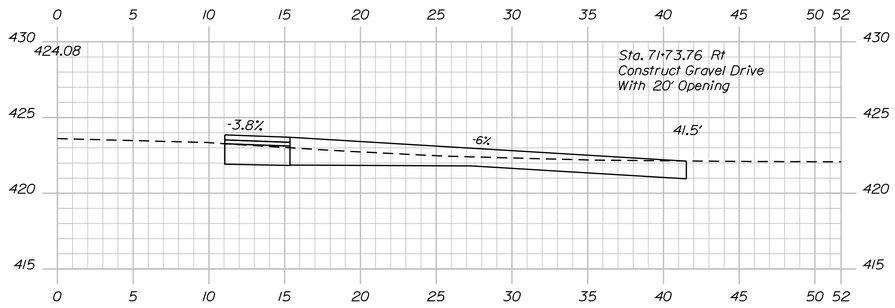
OF 329

Sta. 70+27.55 to Sta. 70+68.36

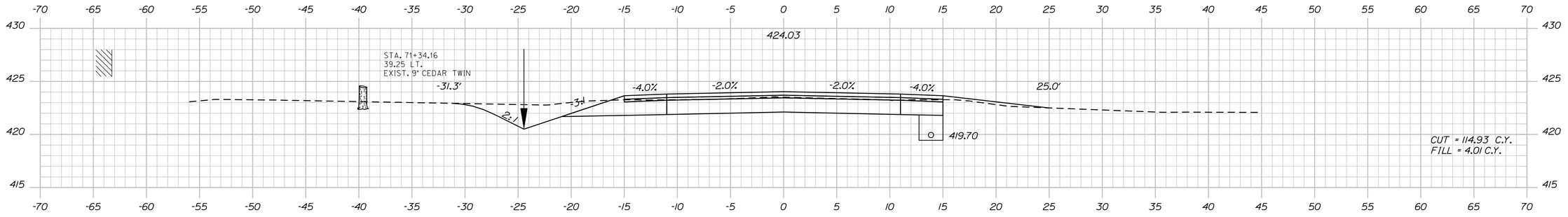
Filename: ...\121_Xsect_FINAL Section 1_70+27_05.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



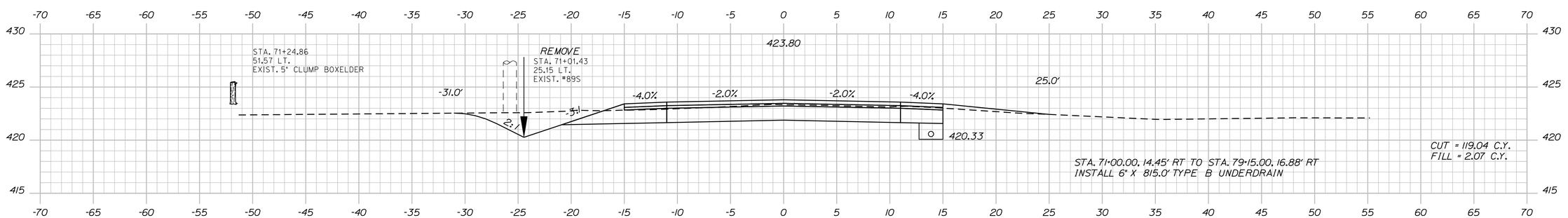
71+80.23



71+73.77



71+50.00



71+00.00

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

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HIGHWAY PLANS

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STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

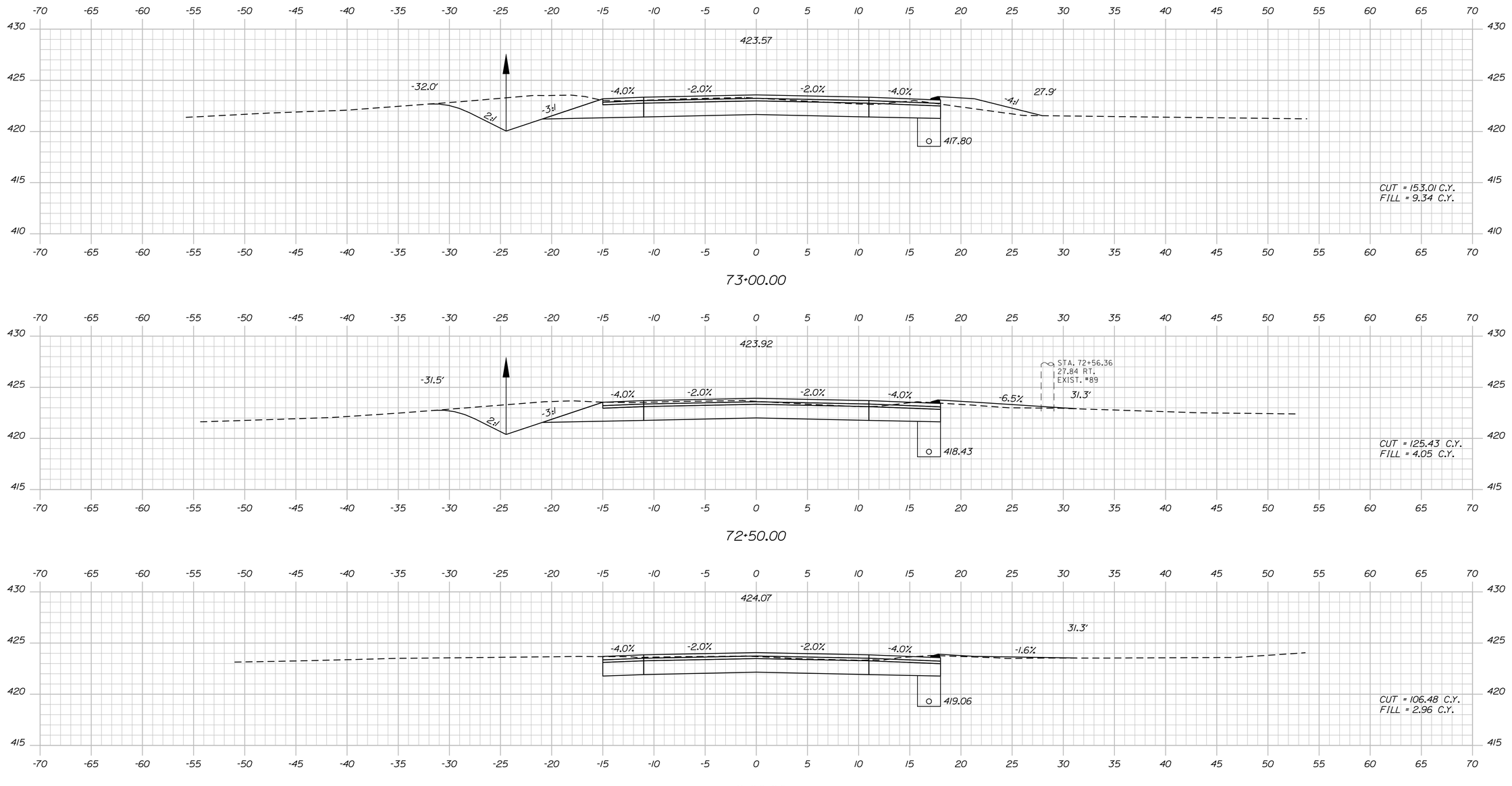
122

OF 329

Sta. 71+00.00 to Sta. 71+80.23

Username: natasha.m.collins Date:3/4/2015

Filename: ...\122_Xsect_FINAL Section 1_71+00_060 Division: HIGHWAY



Sta. 71+82.53 to Sta. 73+00.00

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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchangedate$

BY | DATE | SIGNATURE | P.E. NUMBER | DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

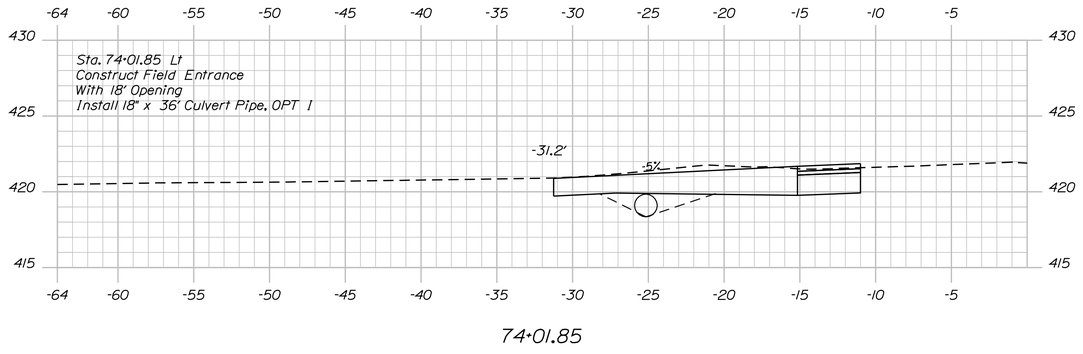
SHEET NUMBER

123

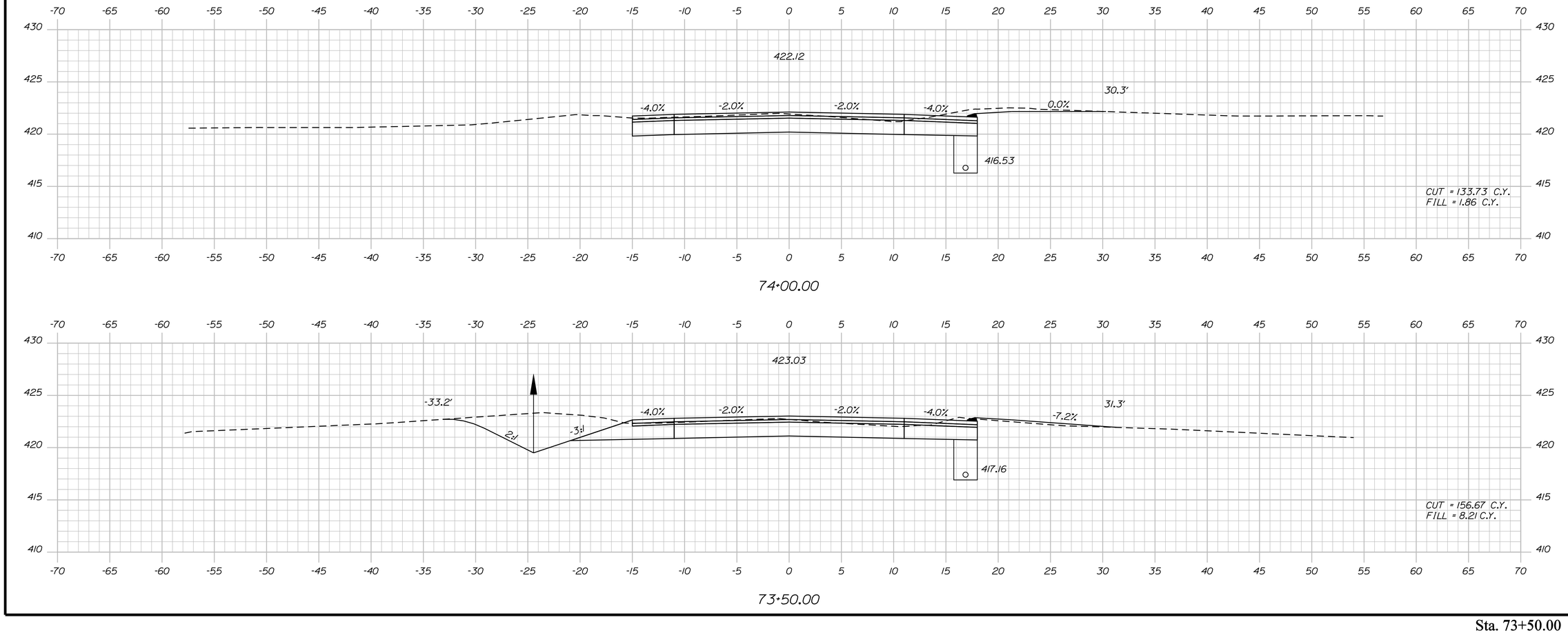
OF 329

Username: natasha.m.collins Date:3/4/2015

Filename: ...\123_Xsect_FINAL Section 1_71+82_06Dgn Division: HIGHWAY



74+01.85



74+00.00

73+50.00

Sta. 73+50.00 to Sta. 74+01.85

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$date1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$date2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

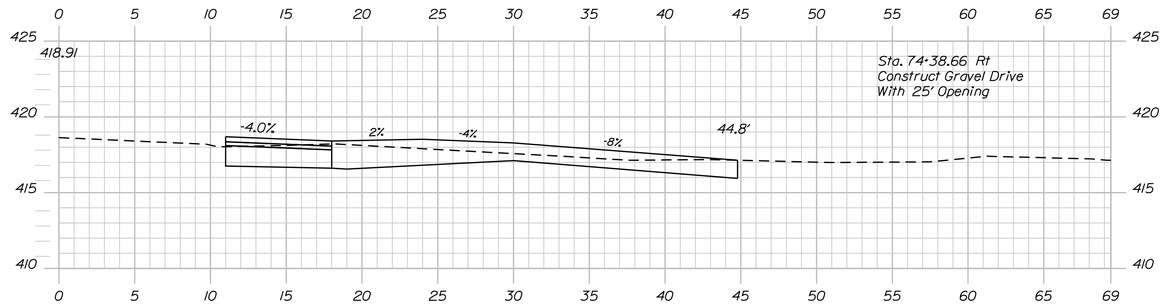
CROSS SECTIONS

SHEET NUMBER

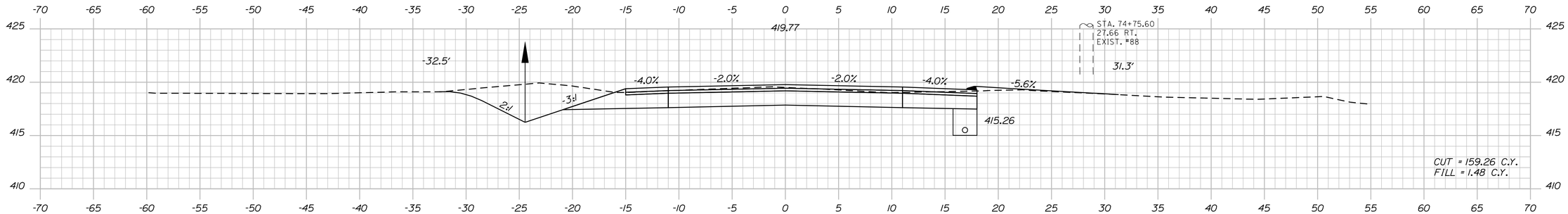
124

OF 329

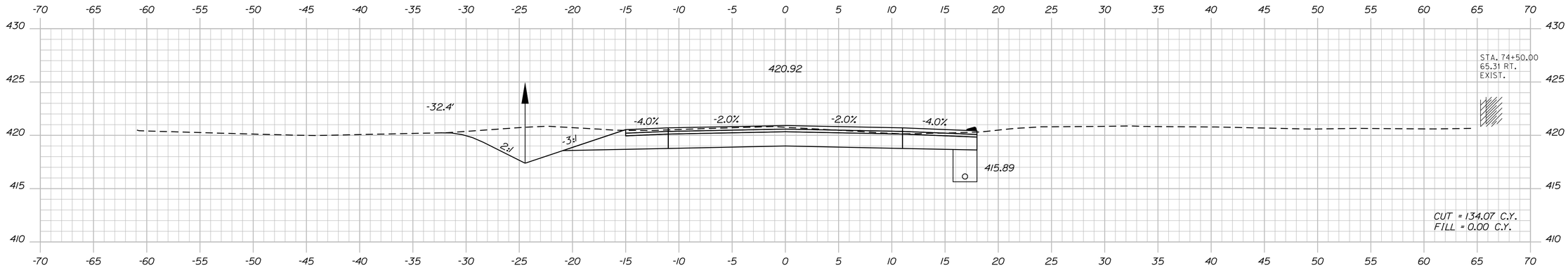
Filename: ...\124_Xsect_FINAL Section 1_73+50_060.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



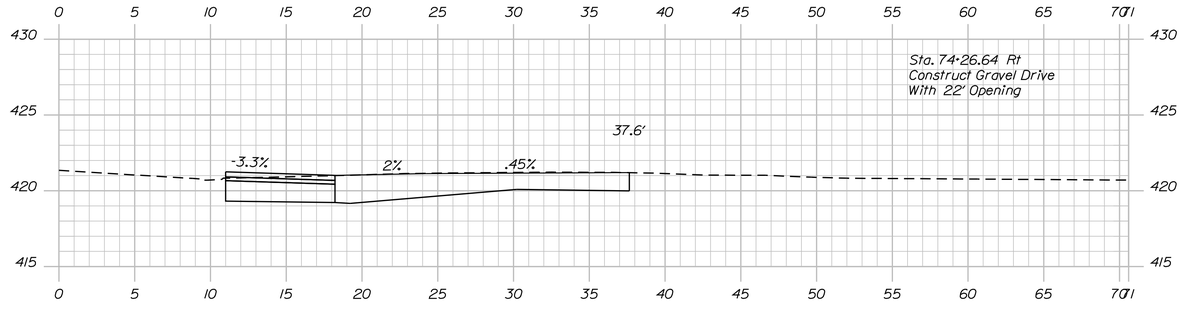
75+38.66



75+00.00



74+50.00



74+26.64

Sta. 74+26.64 to Sta. 75+38.66

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

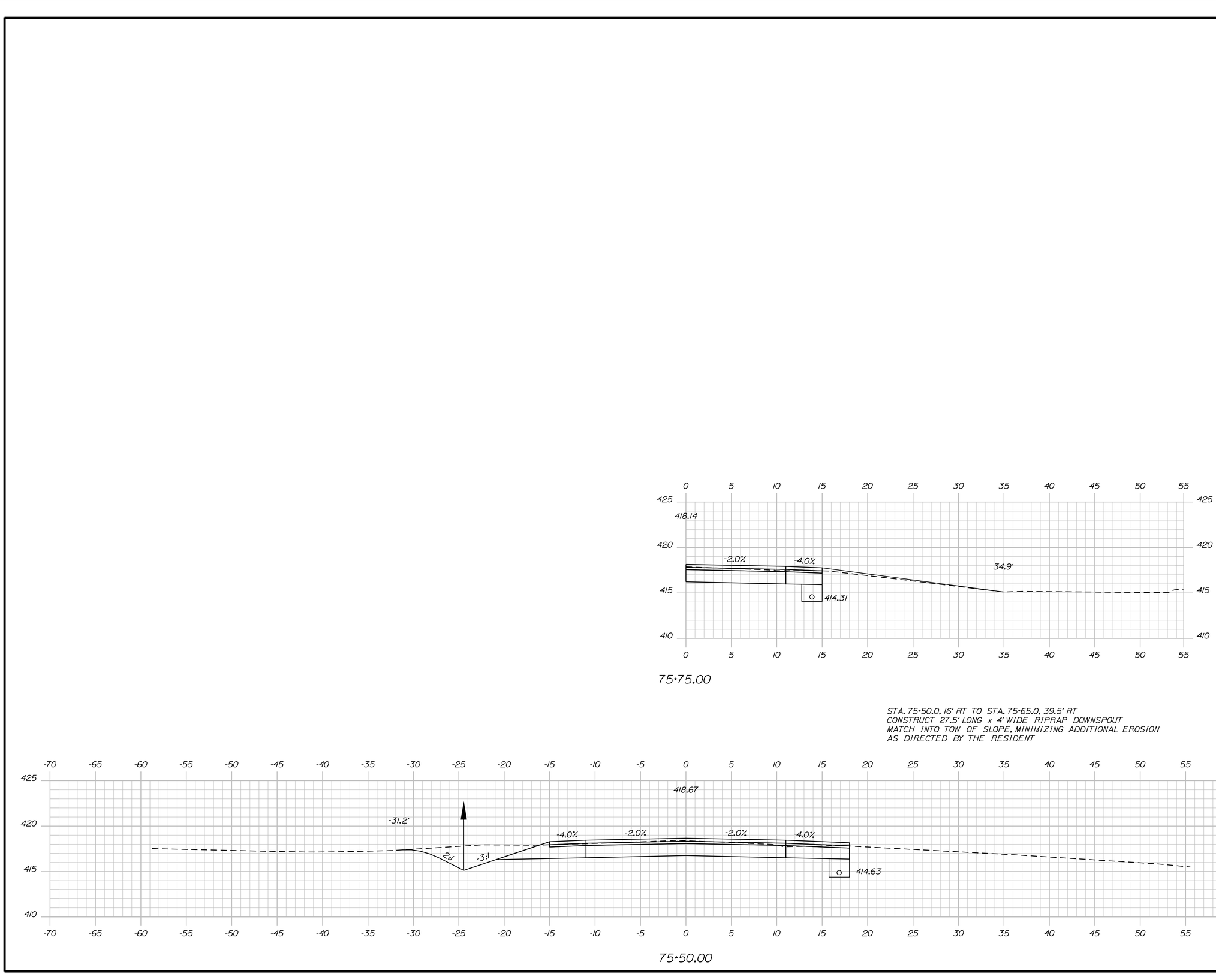
SHEET NUMBER

125

OF 329

Filename: ...\125_Xsect_FINAL Section 1_74+26_06Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\126_Xsect_FINAL Section 1_75+50_06Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$ P.E. NUMBER
REVISIONS 2	_____	_____	$revdate2$ _
REVISIONS 3	$revision3$	_____	$revdate3$ _
REVISIONS 4	$revision4$	_____	$revdate4$ DATE
FIELD CHANGES	$fieldchange$	_____	$fieldate$

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

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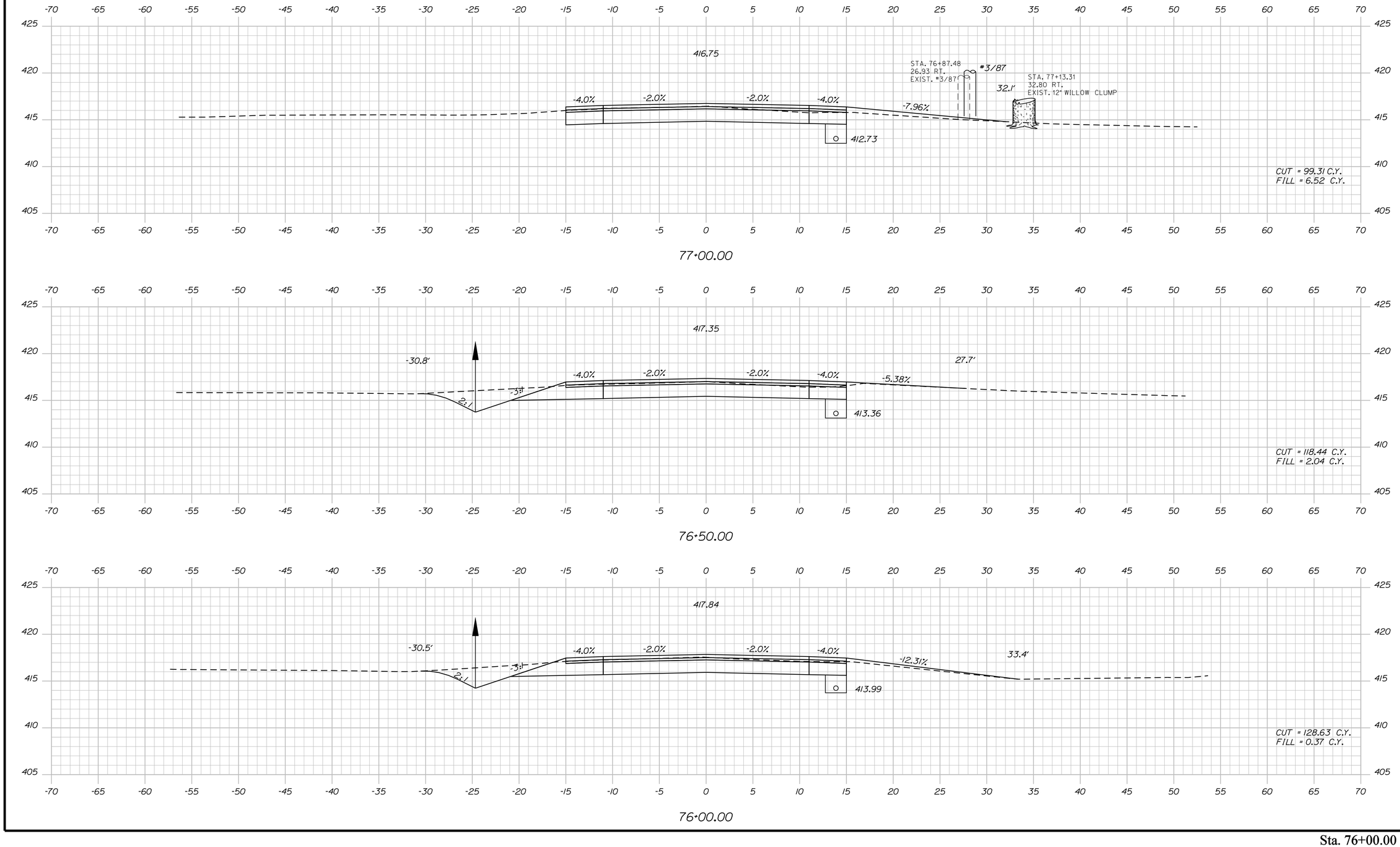
Sta. 75+50.00 to Sta. 75+75.00



Sta. 76+00.00 to Sta. 77+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

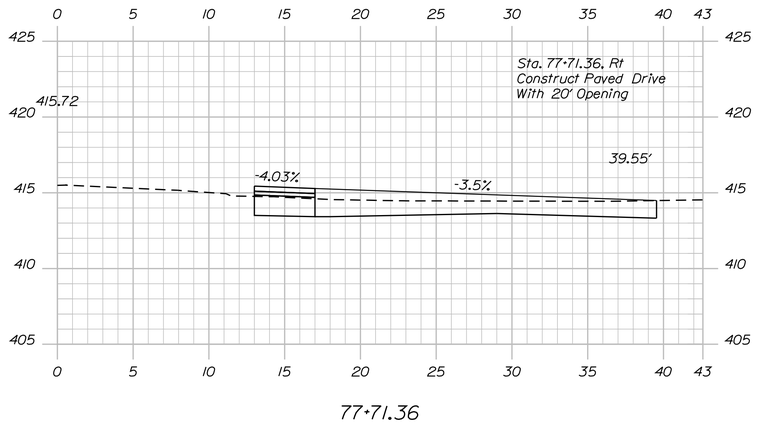
CROSS SECTIONS

SHEET NUMBER

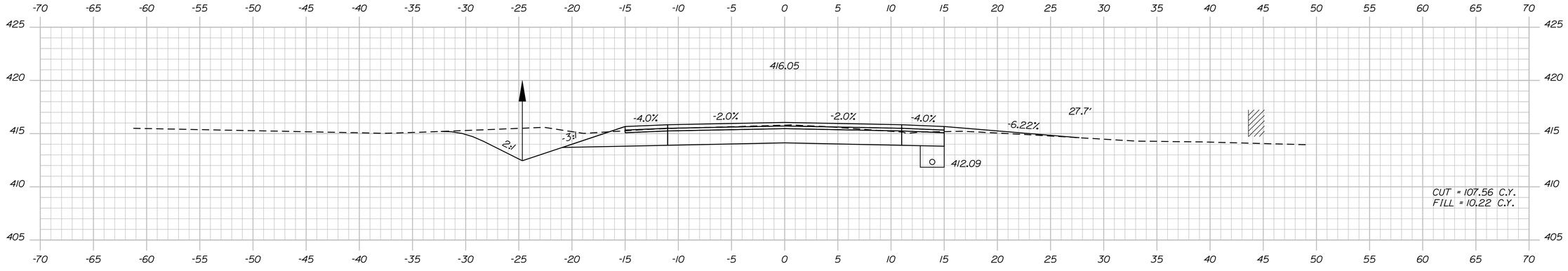
127

OF 329

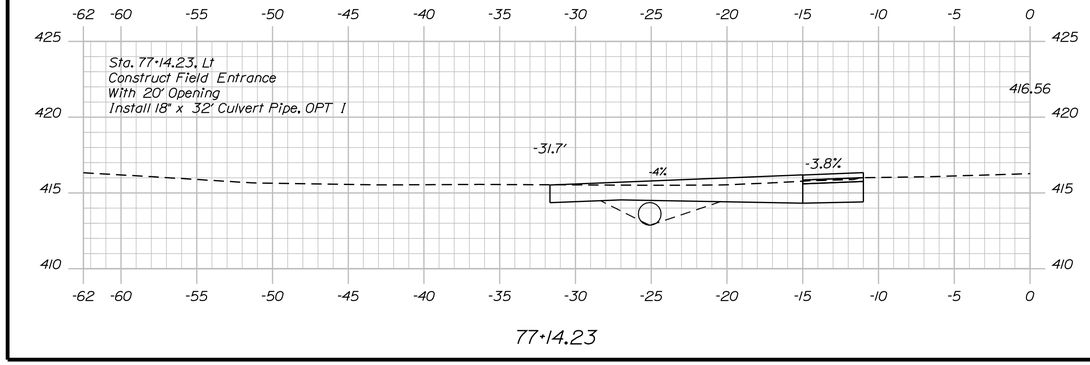
Filename: ...\127_Xsect_FINAL Section 2_76+00_001.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



77+71.36



77+50.00



77+14.23

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$ P.E. NUMBER
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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128

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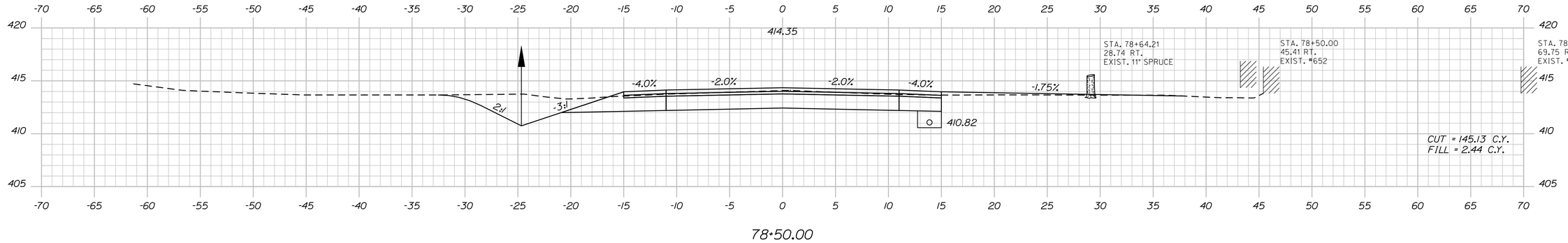
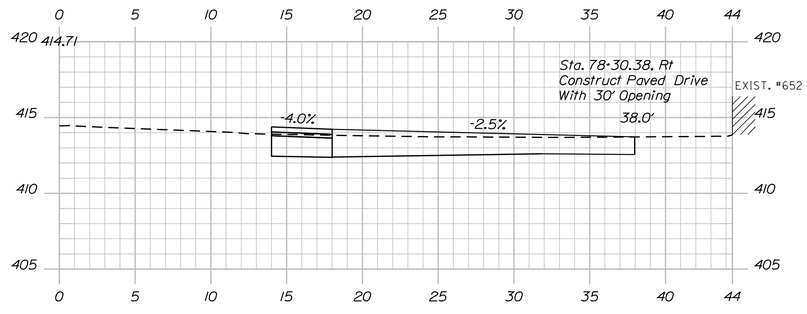
Sta. 77+14.23 to Sta. 77+71.36

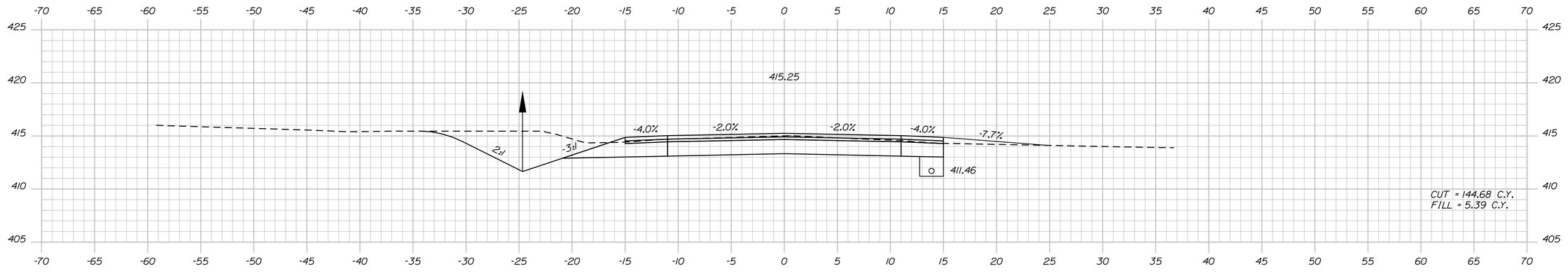
Filename: ...\128_Xsect_FINAL Section 2_77+14_00Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



78+50.00



78+30.38



78+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$detailer1	$proj date1
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$detailer2	$proj date2
DESIGN3-DETAILED3	$detailer3	$proj date3
REVISIONS 1	-----	$revdate1
REVISIONS 2	-----	$revdate2
REVISIONS 3	$revision3	$revdate3
REVISIONS 4	$revision4	$revdate4
FIELD CHANGES	$fieldchange	$fieldDate

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

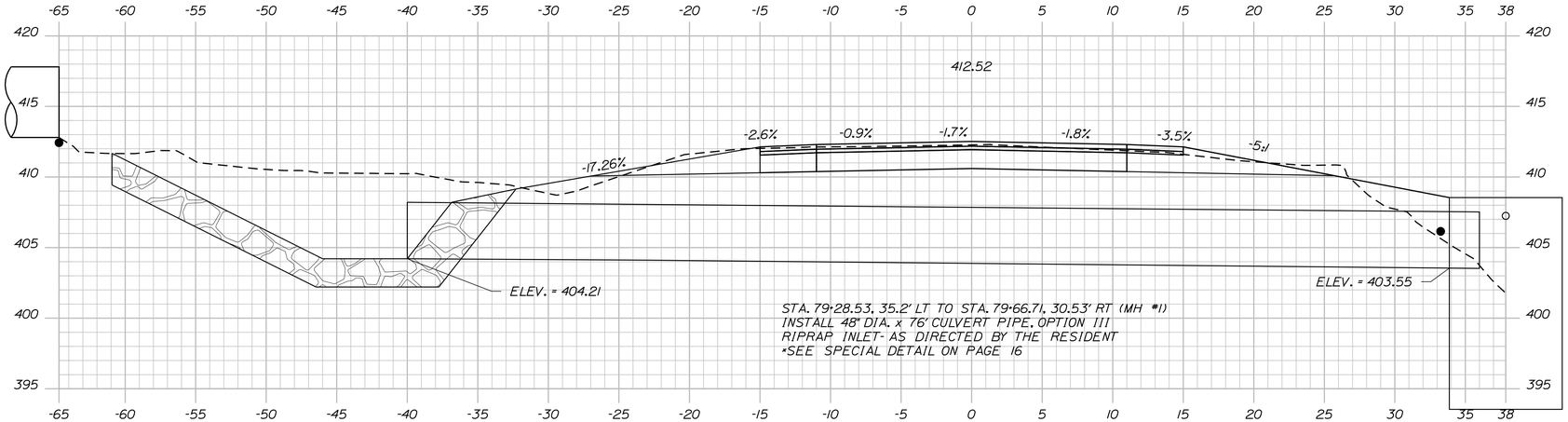
SHEET NUMBER

129

OF 329

Sta. 78+00.00 to Sta. 78+50.00

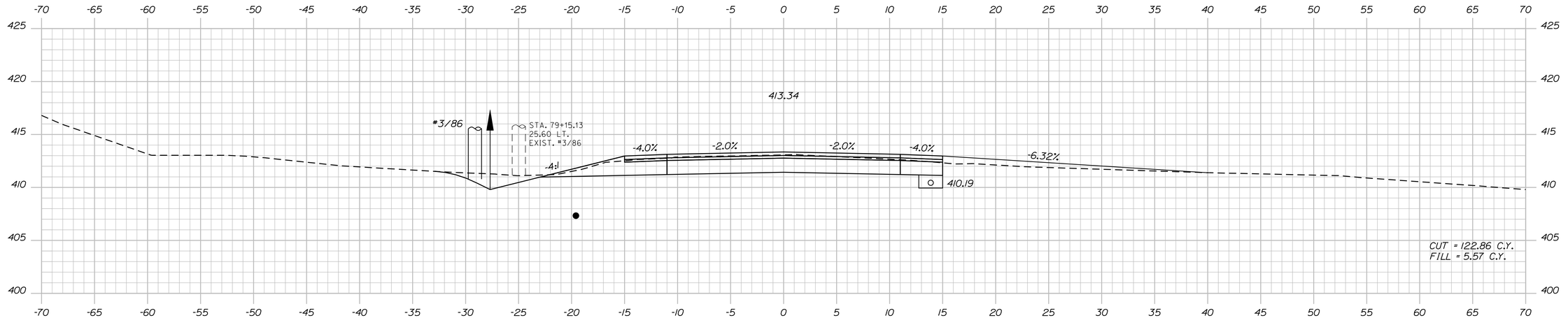
Filename: ...\129_Xsect_FINAL Section 2_78+00_00.dgn Username: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



MH #1
STA. 79+68.00, 32.74' RT
INSTALL 8' DIA. MANHOLE (ITEM NO. 604.156)
AS DETAILED IN SPECIAL DETAIL SHEET #1
AS DIRECTED BY THE RESIDENT

STA. 79+15.00, 14.45' RT TO MH #1
INSTALL 6" x 54.0' TYPE B UNDERDRAIN OUTLET

79+48.97 (SKEWED SECTION)



79+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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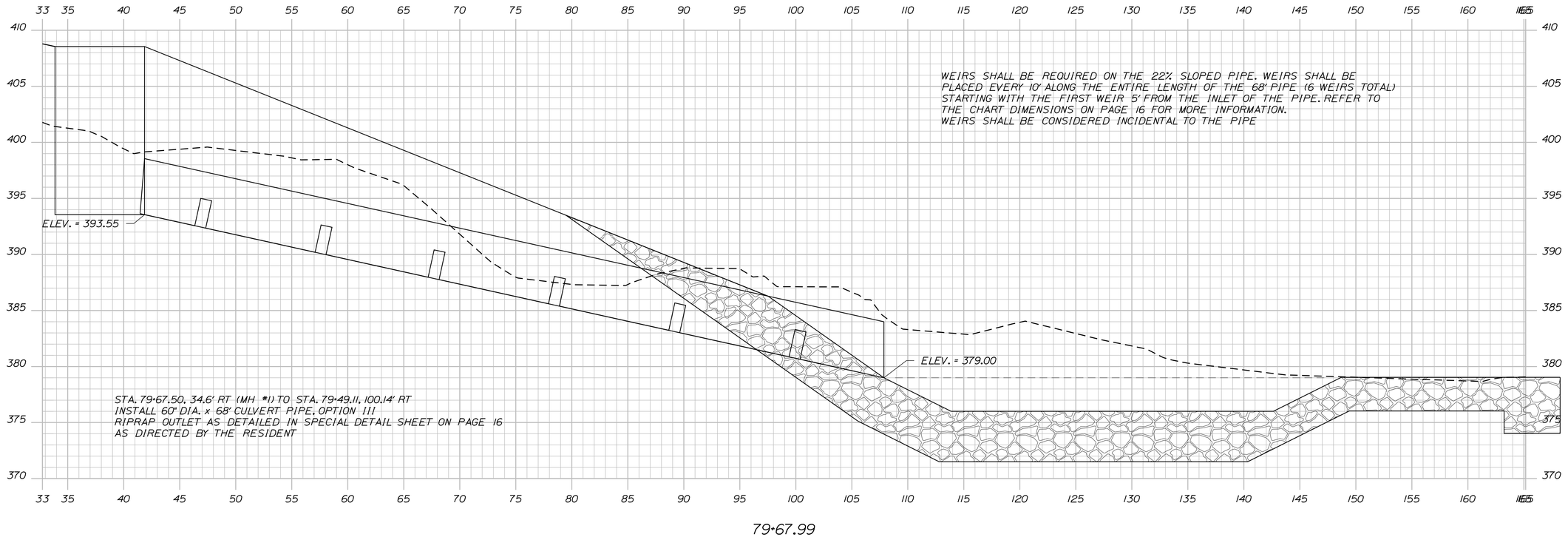
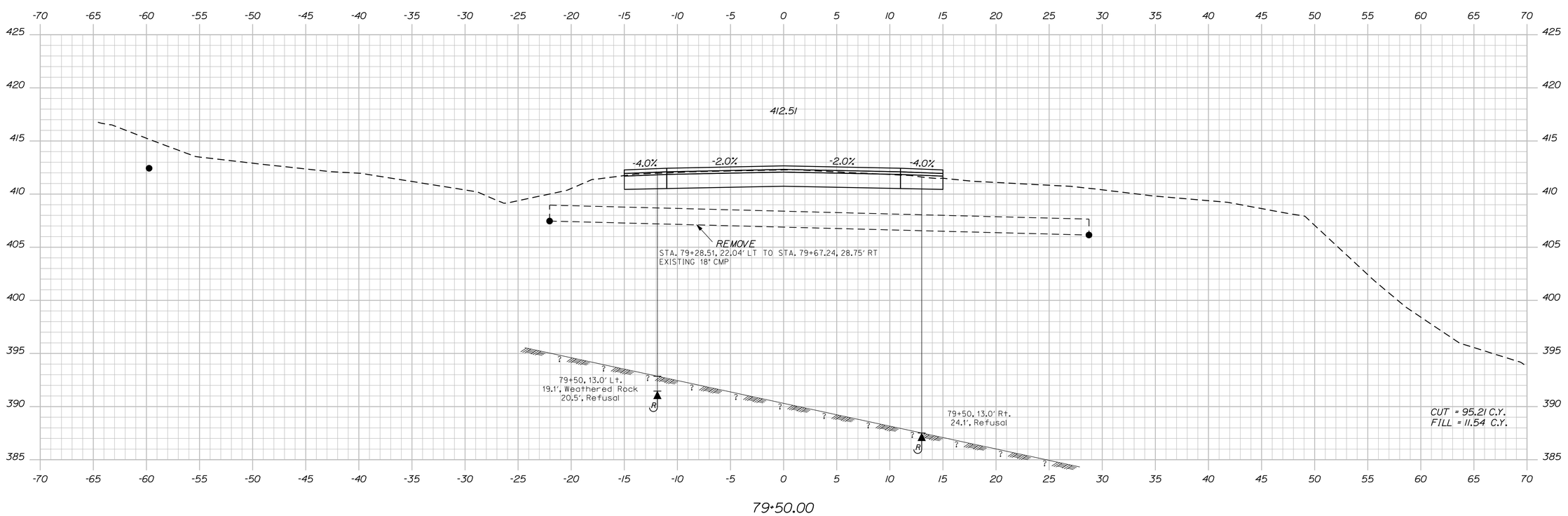
130
OF 329

Sta. 79+00.00 to Sta. 79+48.97

Filename: ...\130_Xsect_FINAL Section 2_79+00_00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Username: natasha.m.collins Date:3/4/2015
Filename: ...\131_Xsect_FINAL Section 2_79+50_00Division: HIGHWAY





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

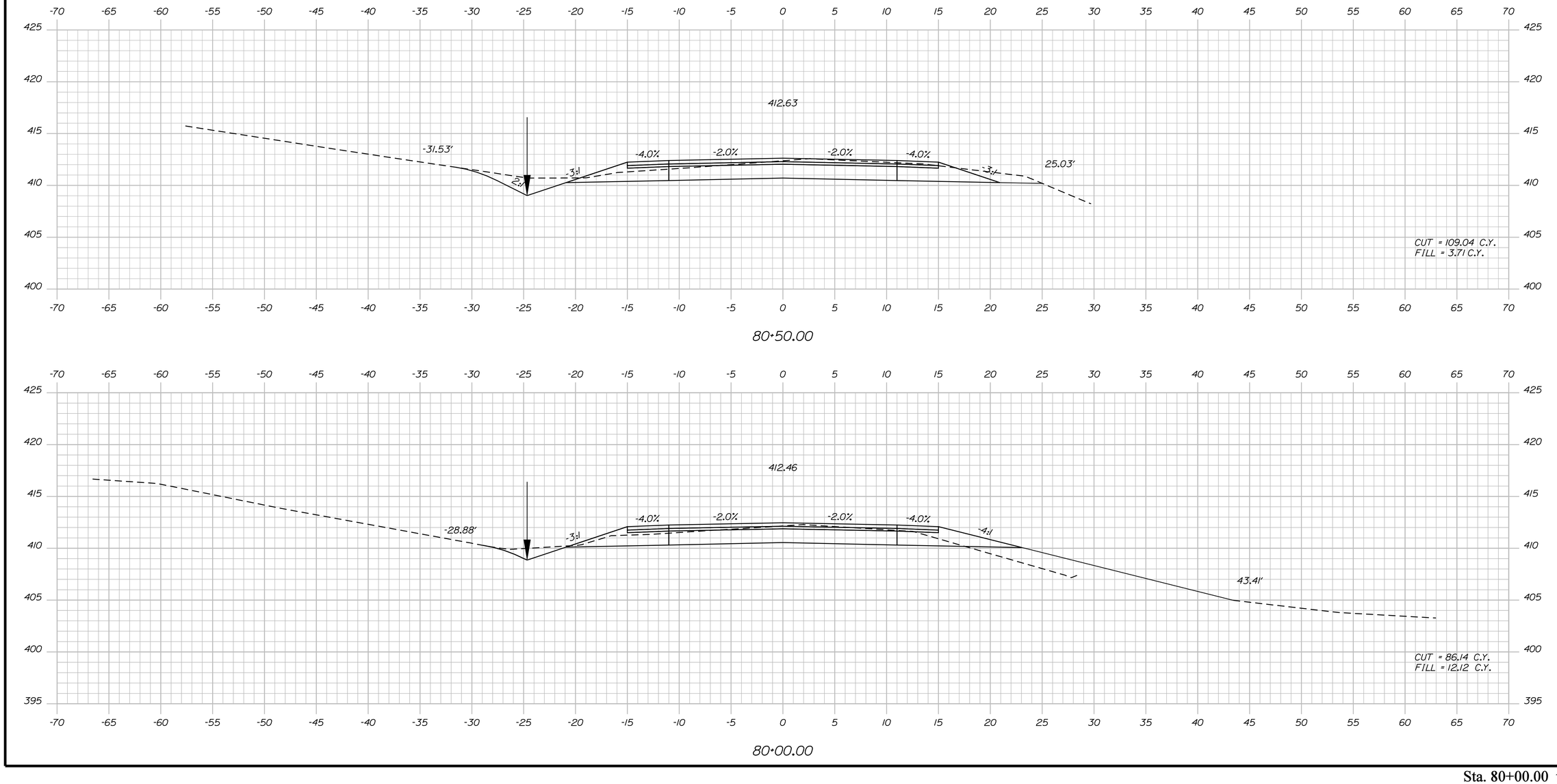
CROSS SECTIONS

SHEET NUMBER

131

OF 329

Sta. 79+50.00 to Sta. 79+67.99



Sta. 80+00.00 to Sta. 80+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	$revdate1$	$revdate1$
REVISIONS 2	------	$revdate2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
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FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

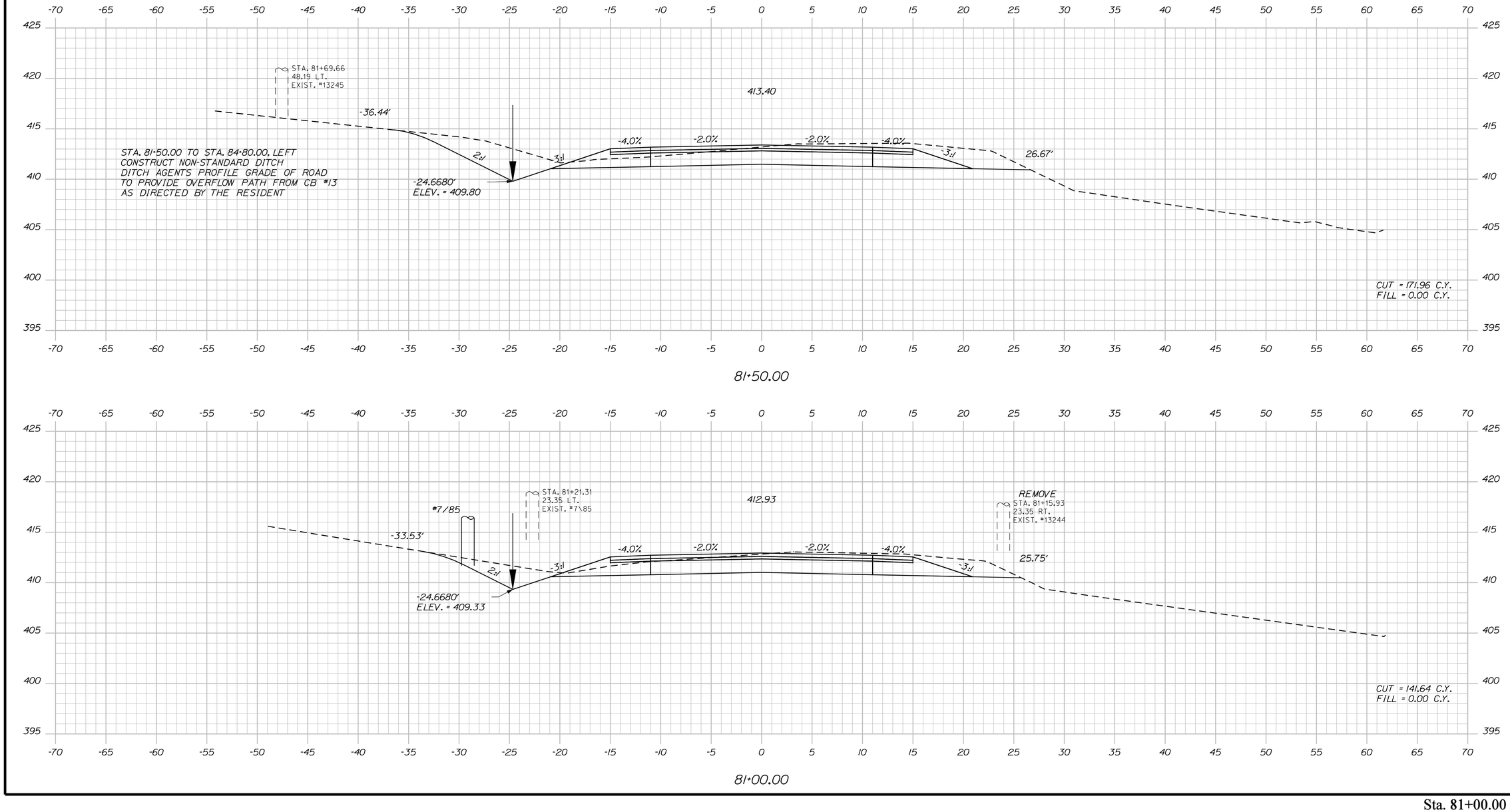
CROSS SECTIONS

SHEET NUMBER

132

OF 329

Filename: ...\132_Xsect_FINAL Section 2_80+00_00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdetail1$	$revdate1$
REVISIONS 2	-----	$revdetail2$	$revdate2$
REVISIONS 3	$revision3$	$revdetail3$	$revdate3$
REVISIONS 4	$revision4$	$revdetail4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
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HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

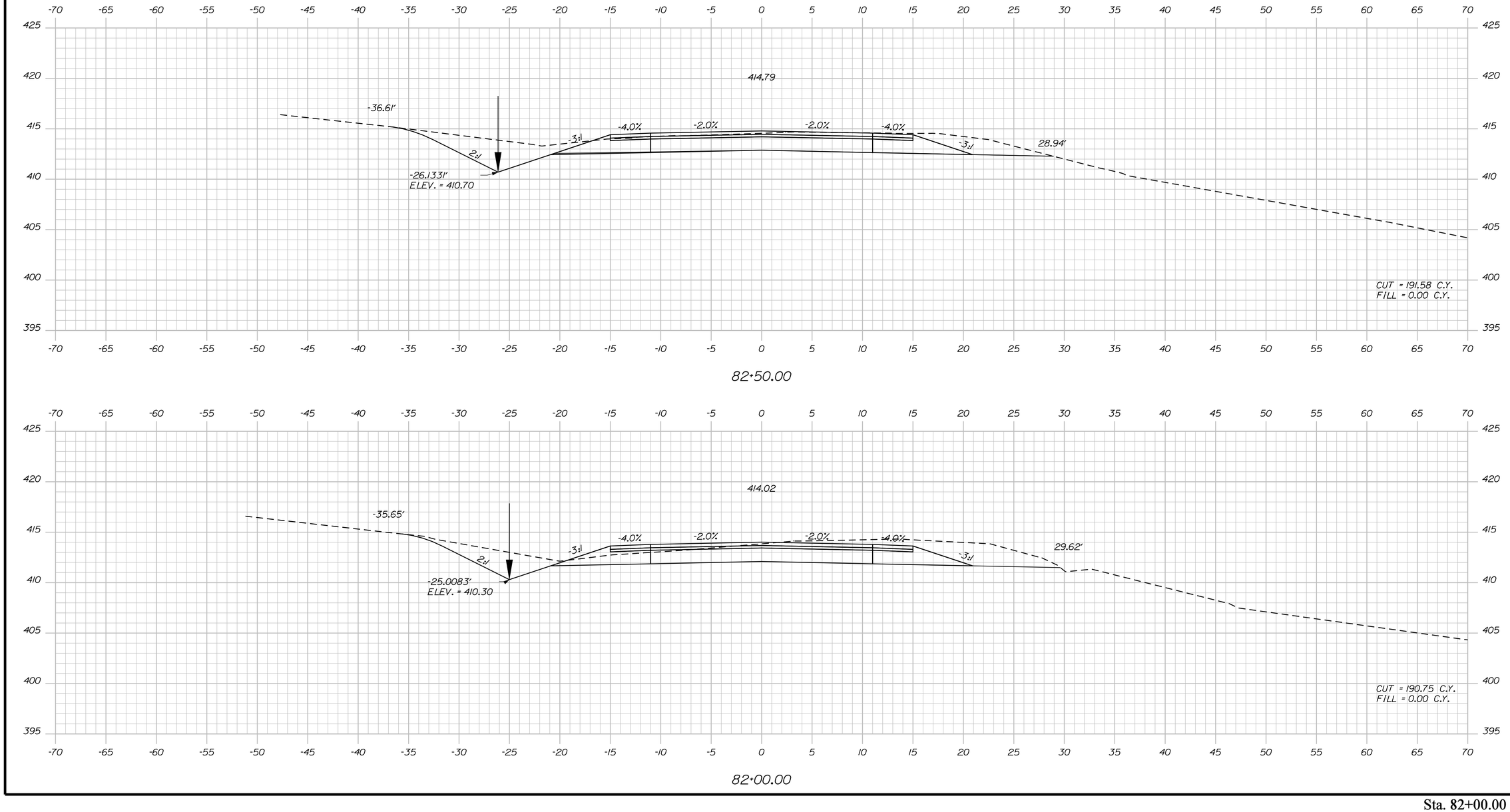
SHEET NUMBER

133

OF 329

Sta. 81+00.00 to Sta. 81+50.00

Filename: ...\133_Xsect_FINAL Section 2_81+00_000.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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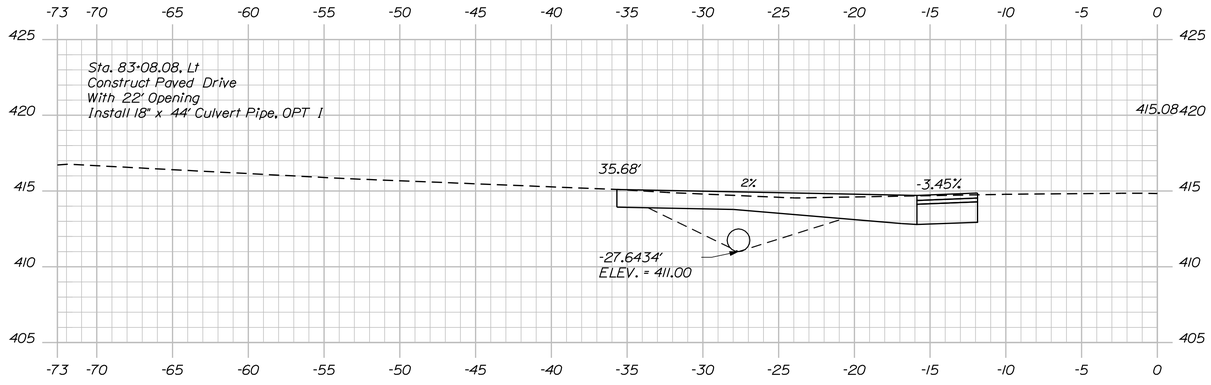
134

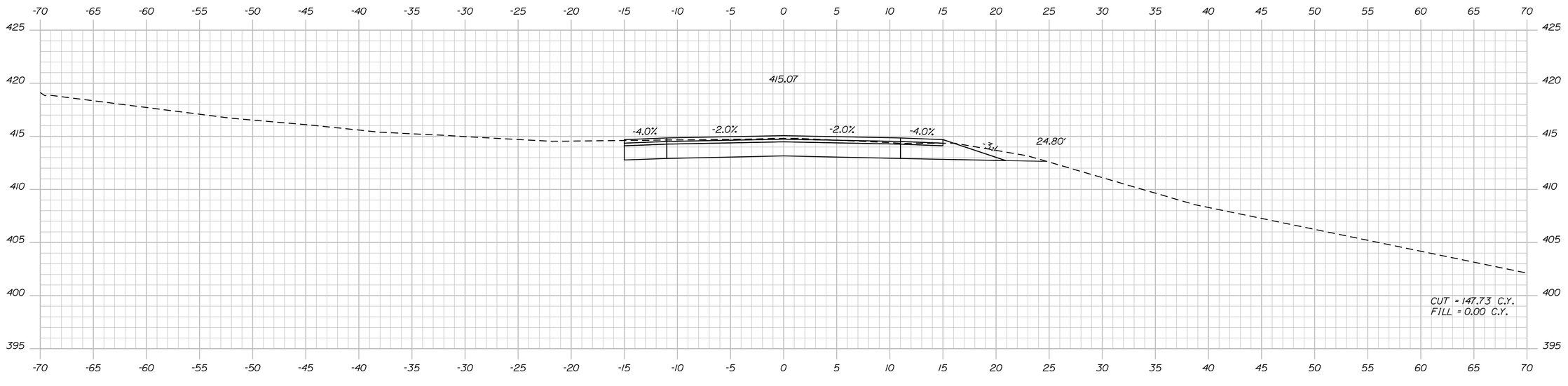
OF 329

Sta. 82+00.00 to Sta. 82+50.00

Filename: ...\134_Xsect_FINAL Section 2_82+00_00.dgn Username: natasha.m.collins Date:3/4/2015



83+08.08



83+00.00

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

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PIN 012780.00

HIGHWAY PLANS

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STATE ROUTE 161

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135

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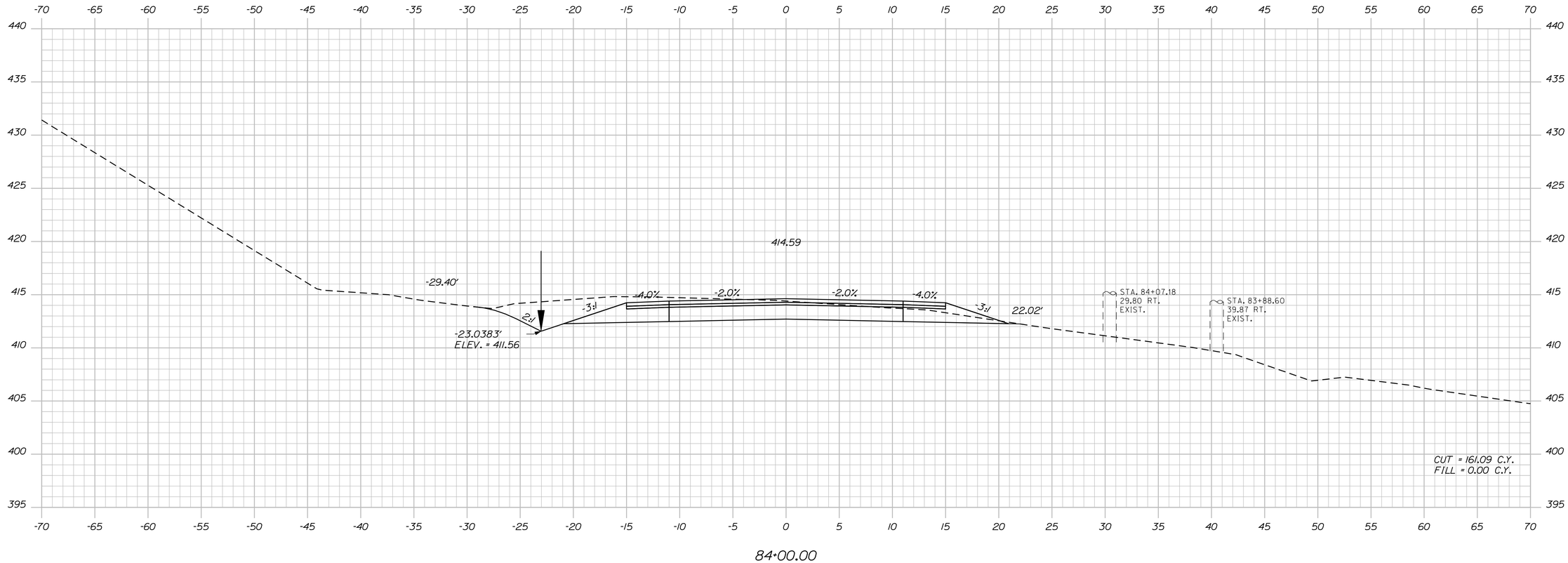
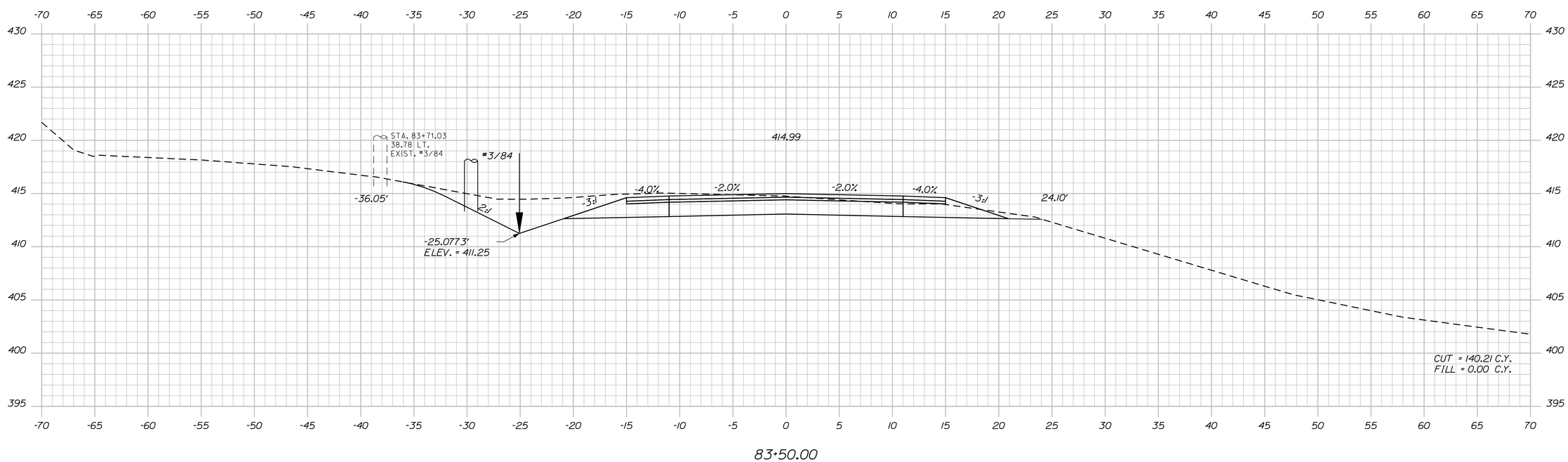
Sta. 83+00.00 to Sta. 83+08.08

Filename: ...\135_Xsect_FINAL Section 2_83+00_08.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

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STATE ROUTE 161

CROSS SECTIONS

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136

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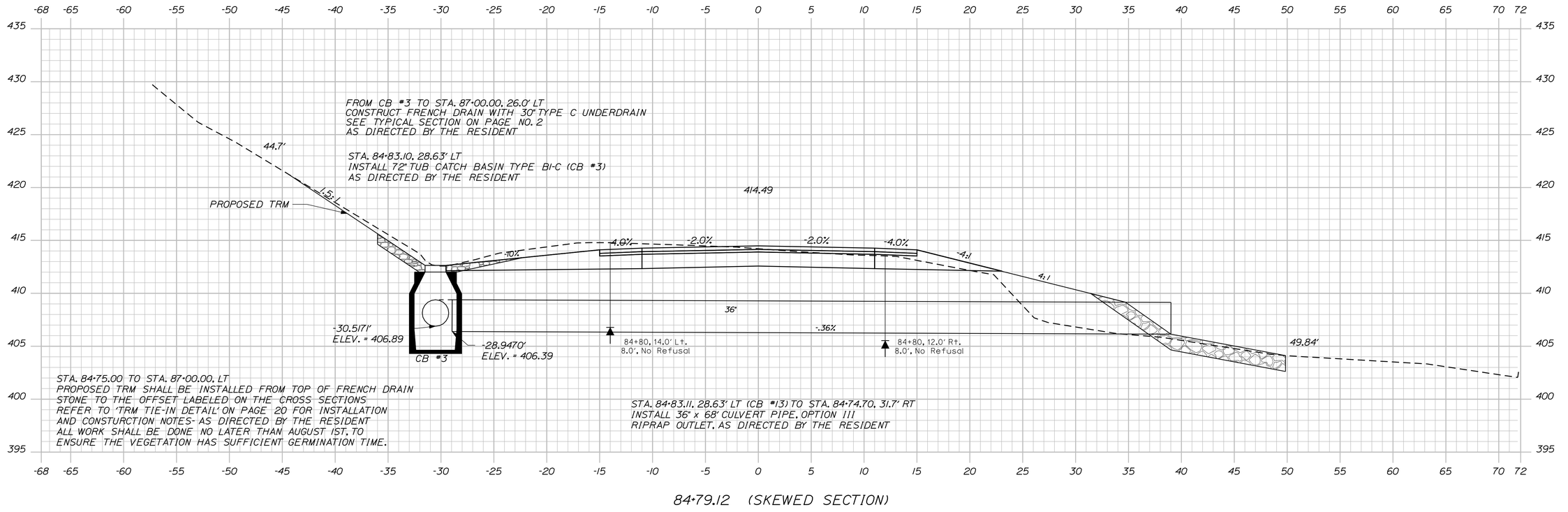
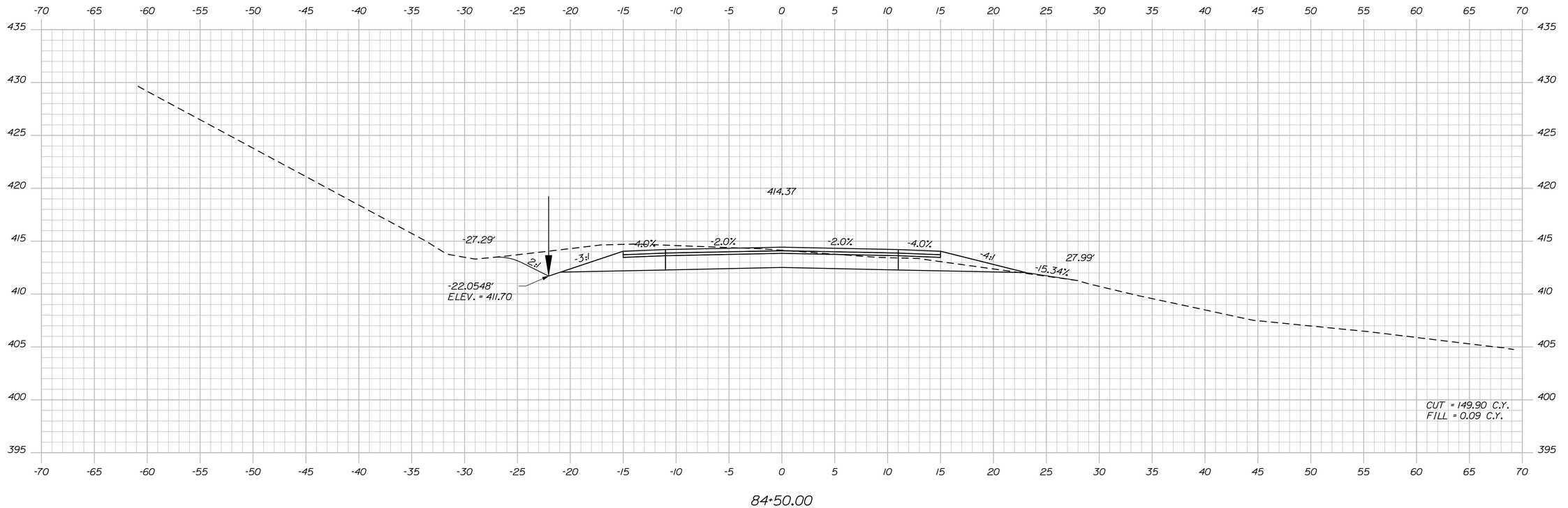
Sta. 83+50.00 to Sta. 84+00.00

Filename: ...\136_Xsect_FINAL Section 2_83+50_01.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



84+79.12 (SKEWED SECTION)



84+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$date1$	$proj.date1$
CHECKED-REVIEWED	$designer2$	$date2$	$proj.date2$
DESIGN2-DETAILED2	$designer2$	$date2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$proj.date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision4$		$revdate3$
REVISIONS 4	$revision5$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

137

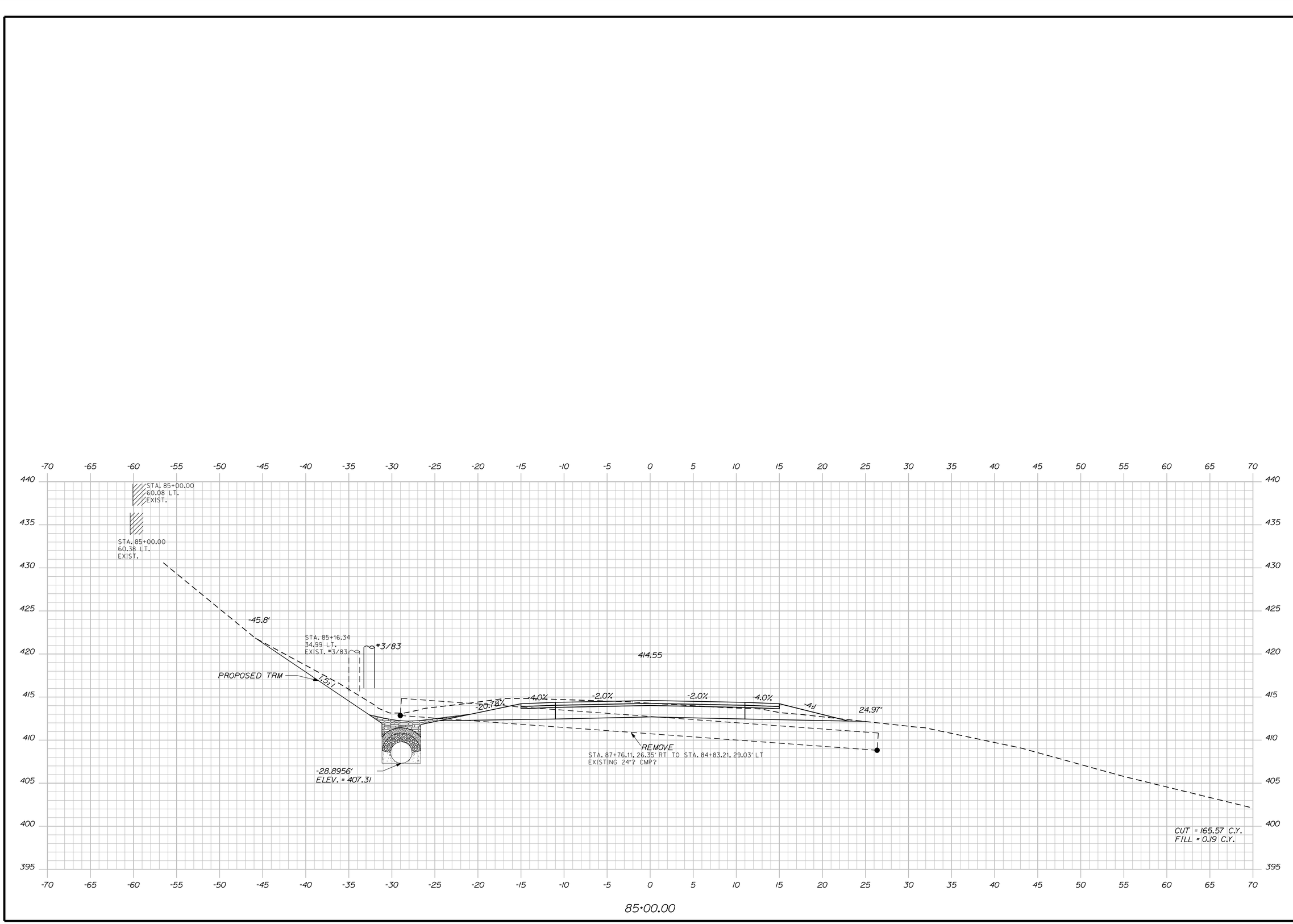
OF 329

Sta. 84+50.00 to Sta. 84+79.12

Username: natasha.m.collins Date:3/4/2015

Filename: ...\137_Xsect_FINAL Section 2_84+50_0 Division: HIGHWAY

Filename: ...\138_Xsect_FINAL Section 2_85+00_010.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY



PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____ SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$ P.E. NUMBER
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	_____	$revdate3$
REVISIONS 4	$revision4$	_____	$revdate4$ DATE
FIELD CHANGES	$fieldchange$	_____	$fieldate$

STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

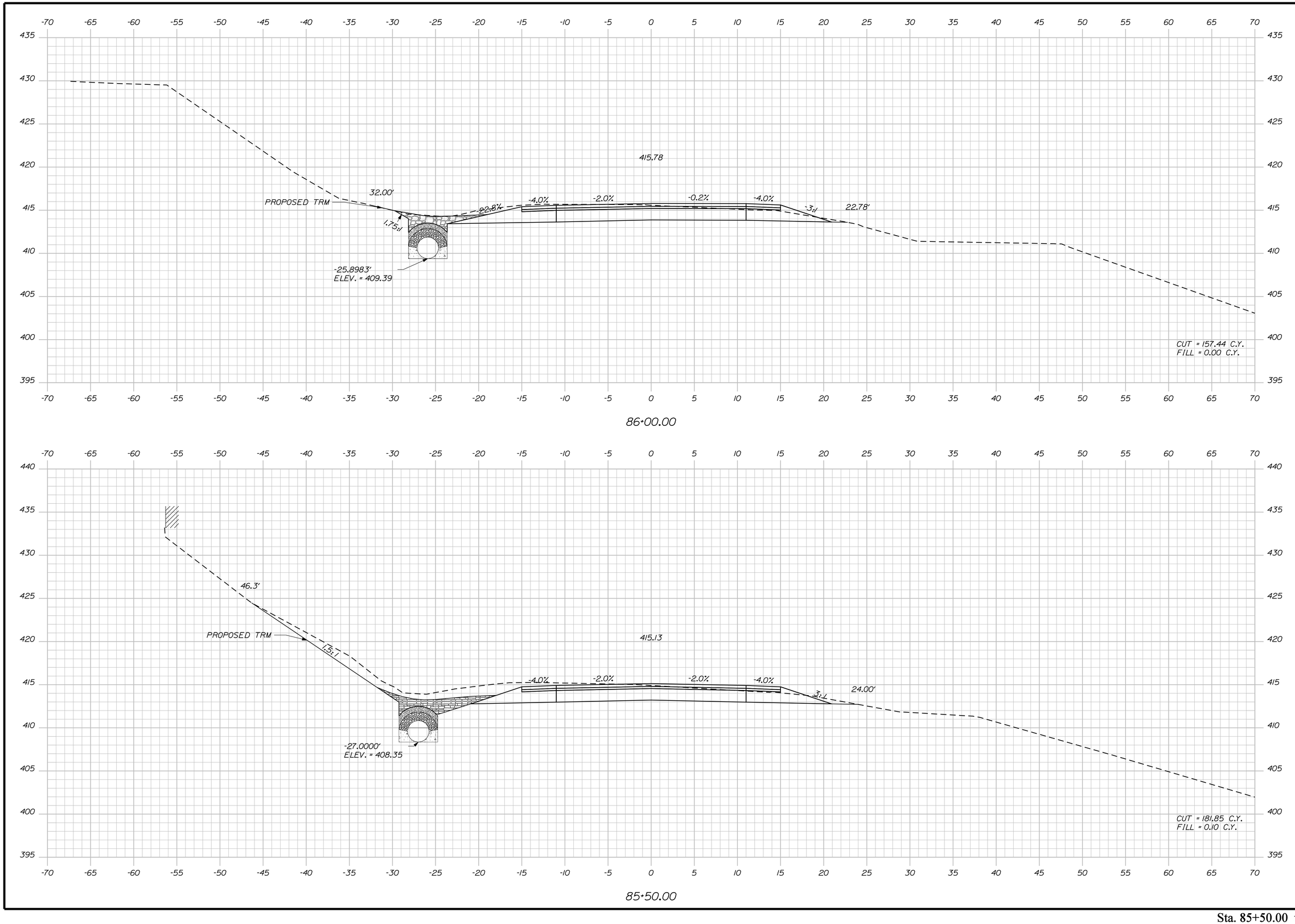
CROSS SECTIONS

SHEET NUMBER

138

OF 329

Sta. 85+00.00 to Sta. 85+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revision1$	$revdate1$
REVISIONS 2	-----	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

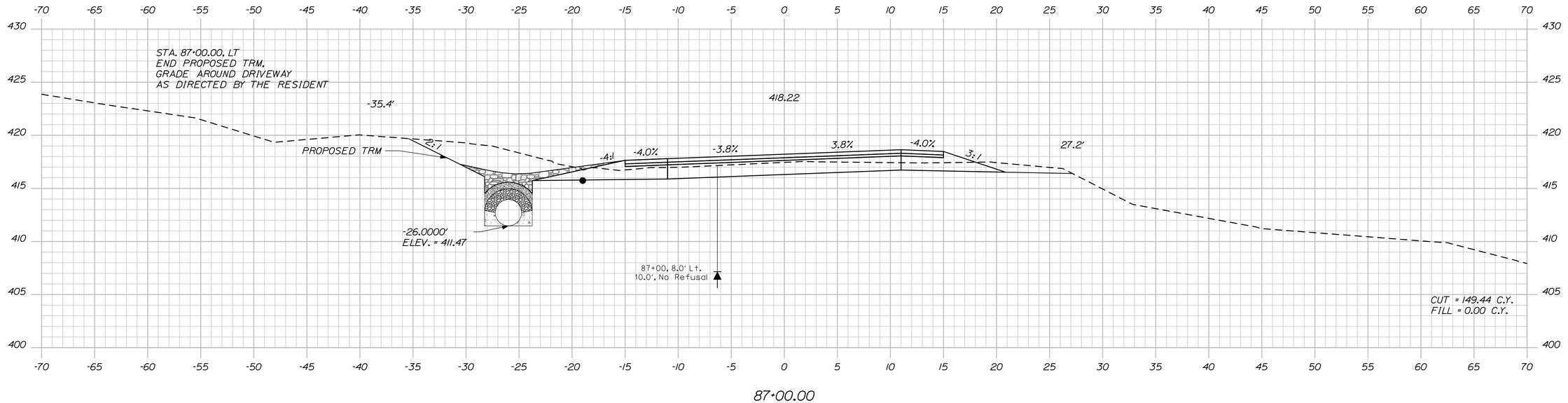
139

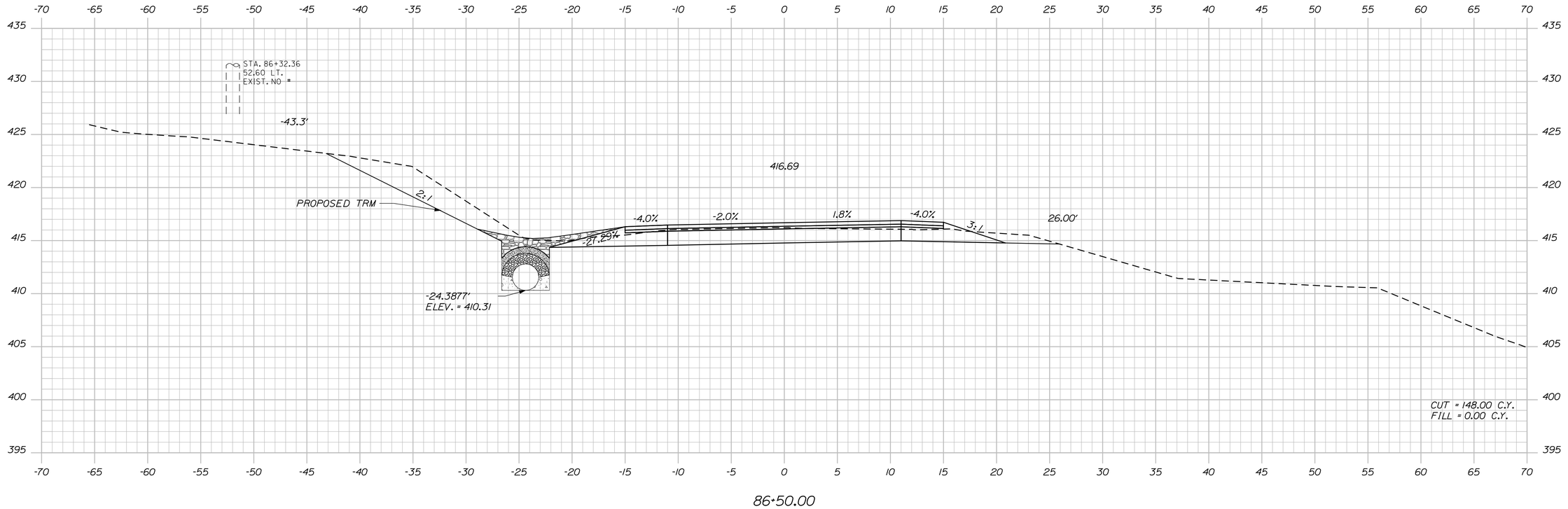
OF 329

Sta. 85+50.00 to Sta. 86+00.00

Filename: ...\139_Xsect_FINAL Section 2_85+50_01B.dgn Username: natasha.m.collins Date:3/4/2015

Username: natasha.m.collins Date:3/4/2015
Filename: ...\140_Xsect_FINAL Section 2_86+50_00.dgn Division: HIGHWAY





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

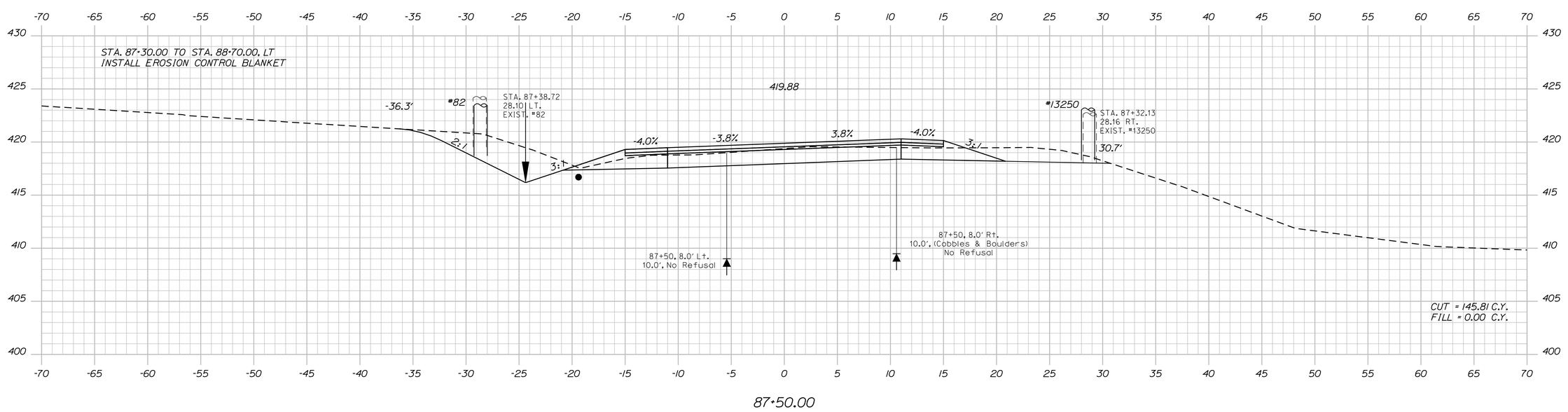
CROSS SECTIONS

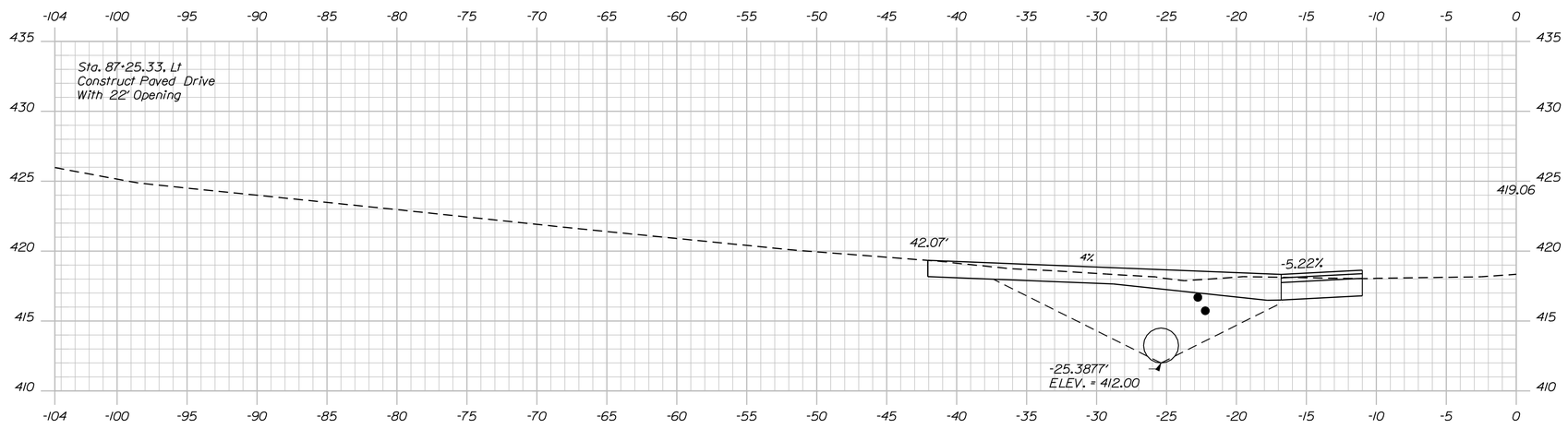
SHEET NUMBER

140

OF 329

Sta. 86+50.00 to Sta. 87+00.00





STATE OF MAINE
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STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	BY	DATE
CHECKED-REVIEWED	-----	$detailer1$	$proj date1$
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	$revision3$	$revdate3$
REVISIONS 3	$revision4$	$revdate4$	
REVISIONS 4	$fieldchange$	$fielddate$	
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

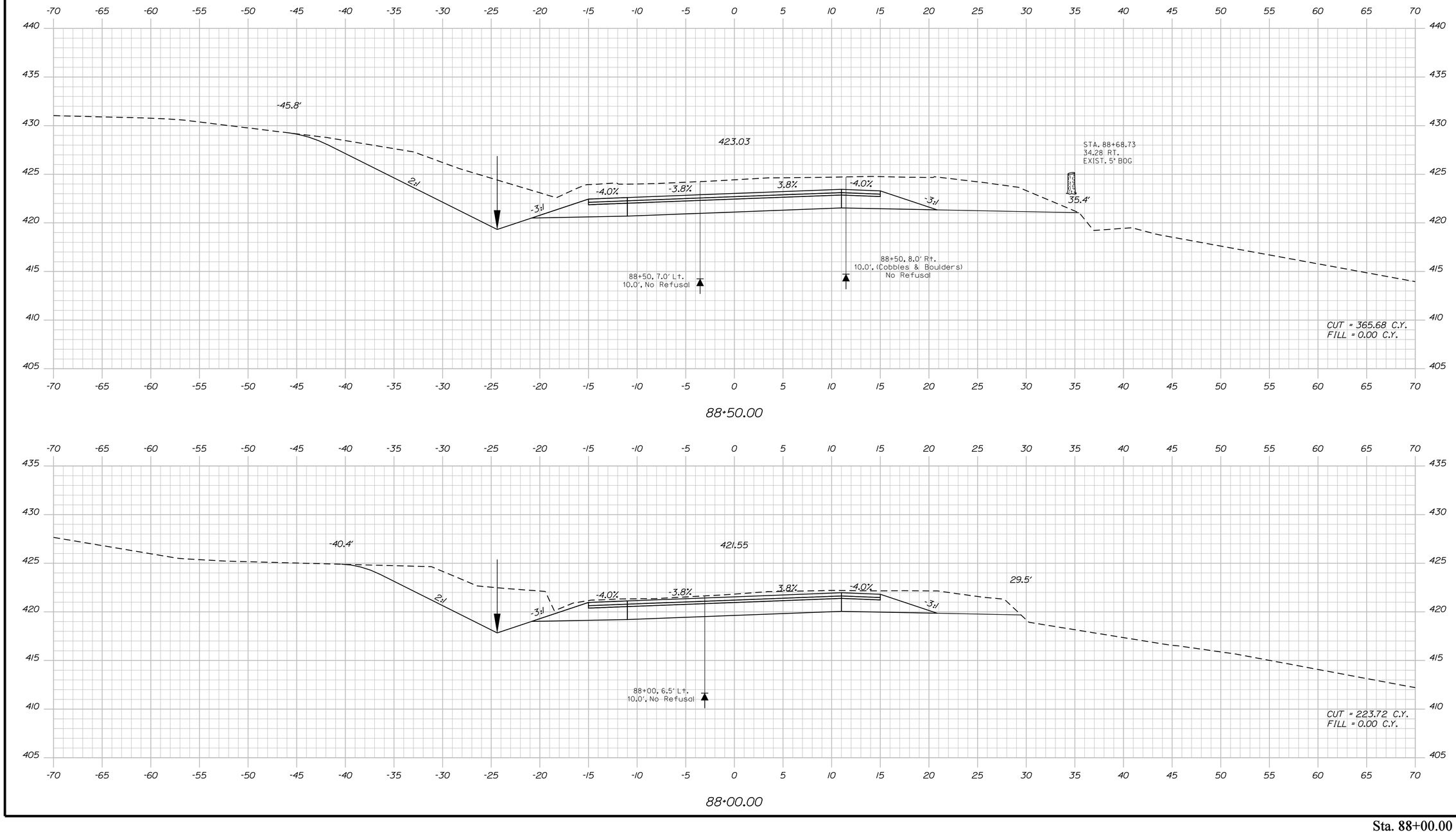
SHEET NUMBER

141

OF 329

Sta. 87+25.33 to Sta. 87+50.00

Filename: ...\141_Xsect_FINAL Section 2_87+25_01.dgn Division: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



Sta. 88+00.00 to Sta. 88+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$date1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$date2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
STATE ROUTE 161

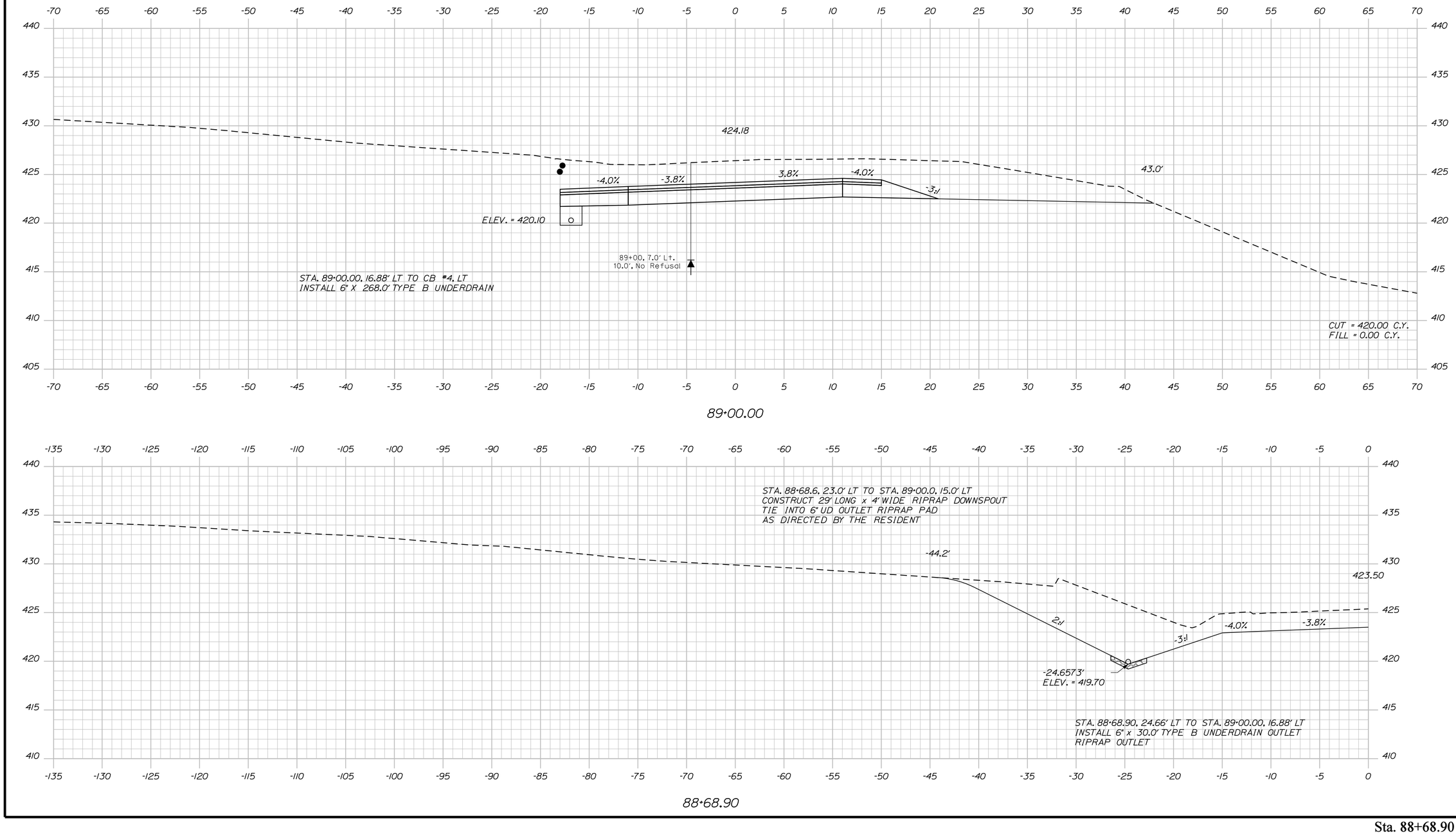
CROSS SECTIONS

SHEET NUMBER

142

OF 329

Filename: ...\142_Xsect_FINAL Section 2_88+00_01.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$dateUser1$	$proJdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$dateUser2$	$proJdate2$
DESIGN3-DETAILED3	$designer3$	$dateUser3$	$proJdate3$
REVISIONS 1	-----		$revJdate1$
REVISIONS 2	-----		$revJdate2$
REVISIONS 3	$revision3$		$revJdate3$
REVISIONS 4	$revision4$		$revJdate4$
FIELD CHANGES	$fieldchange$		$fieldJdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

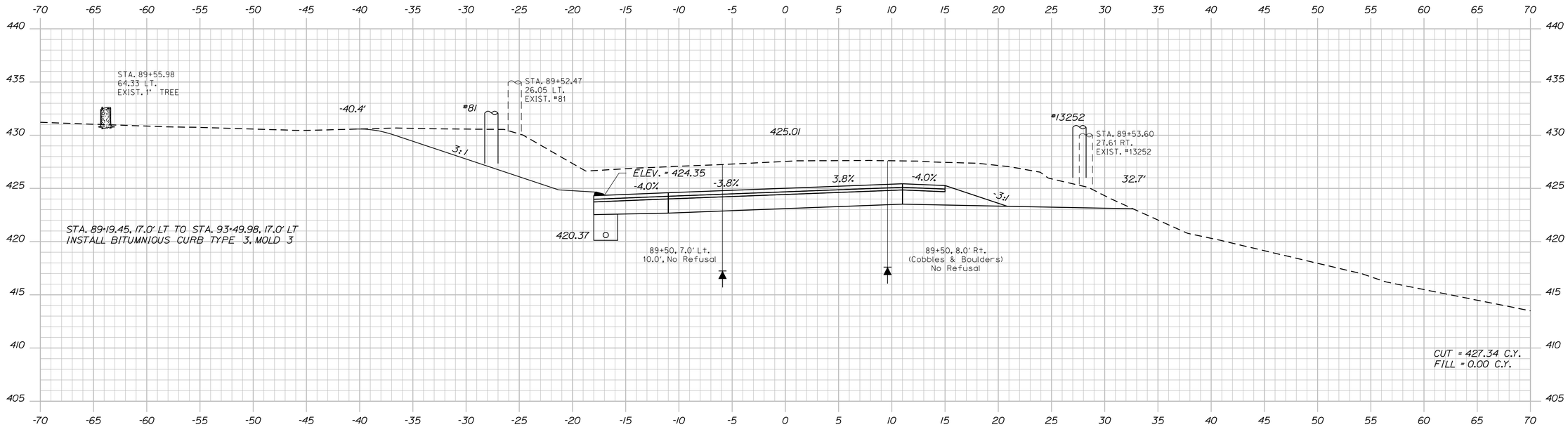
SHEET NUMBER

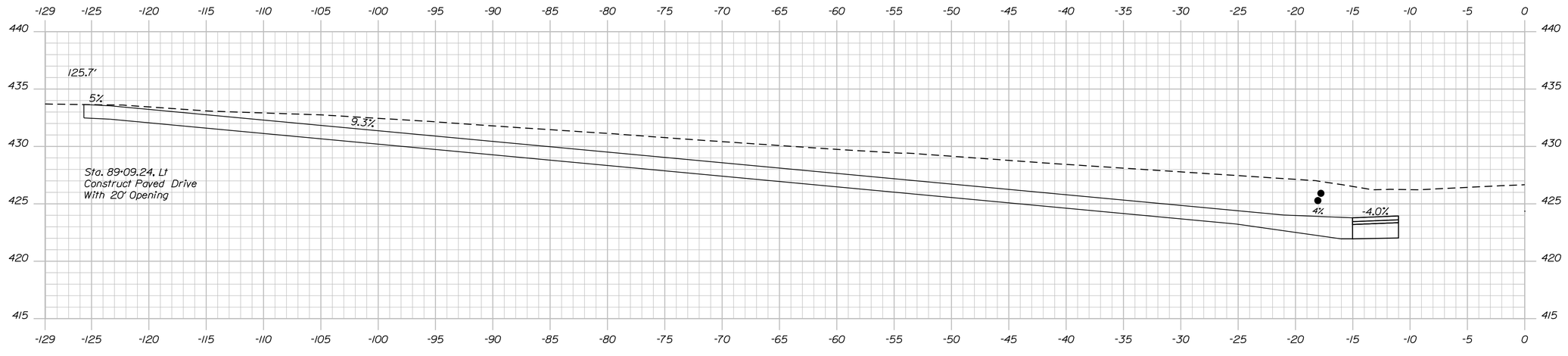
143

OF 329

Sta. 88+68.90 to Sta. 89+00.00

Filename: ...\143_Xsect_FINAL Section 2_88+68_010.dgn Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

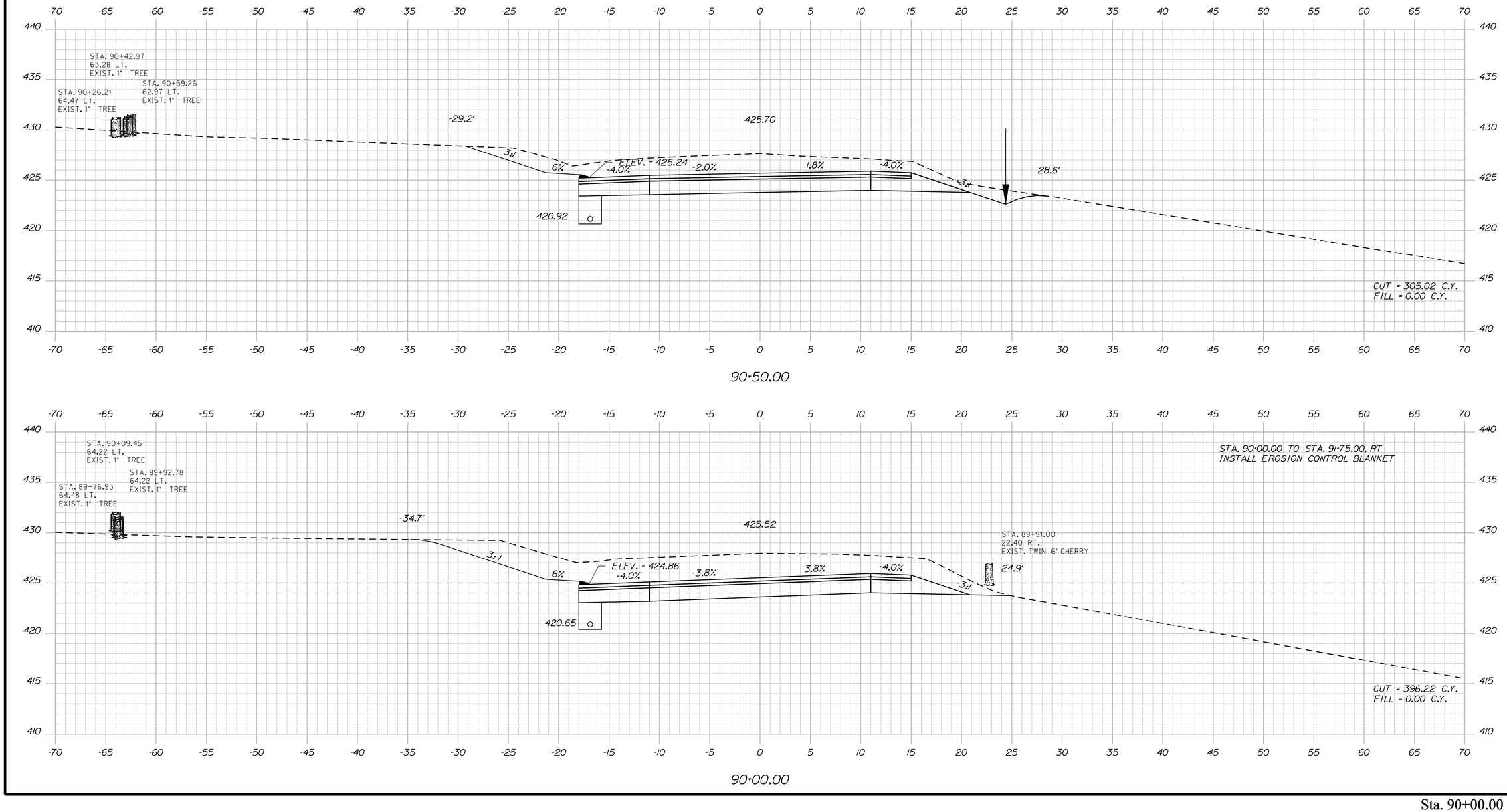
SHEET NUMBER

144

OF 329

Sta. 89+08.53 to Sta. 89+50.00

Filename: ...\144_Xsect_FINAL Section 2_89+08_01.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

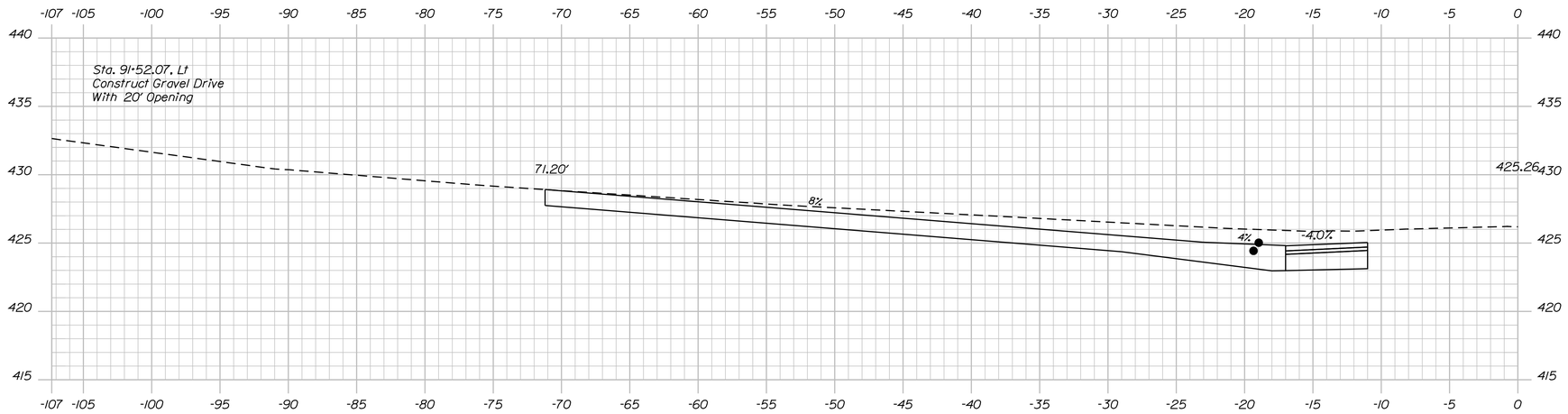
SHEET NUMBER

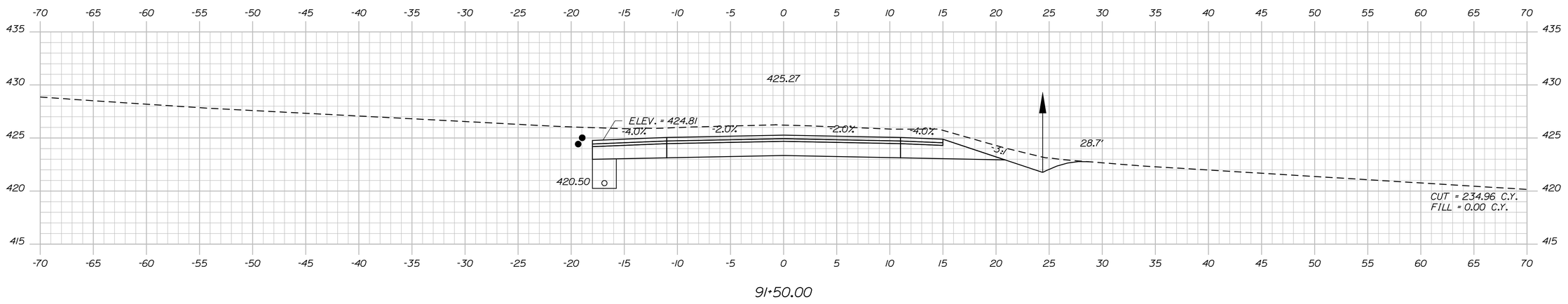
145

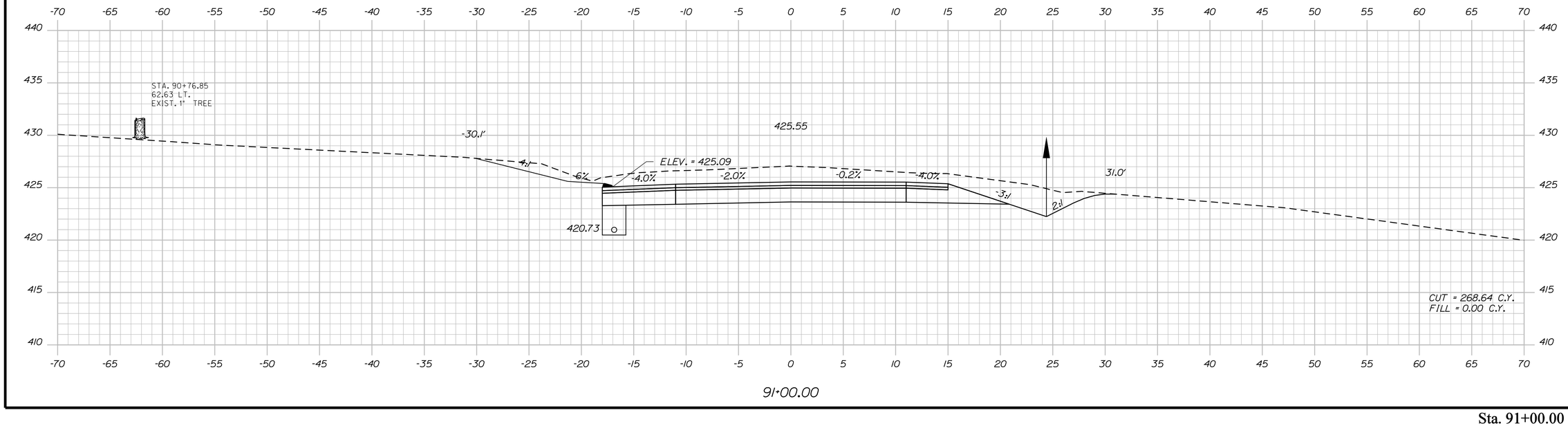
OF 329

Sta. 90+00.00 to Sta. 90+50.00

Filename: ...\145_Xsect_FINAL Section 2_90+00_019.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

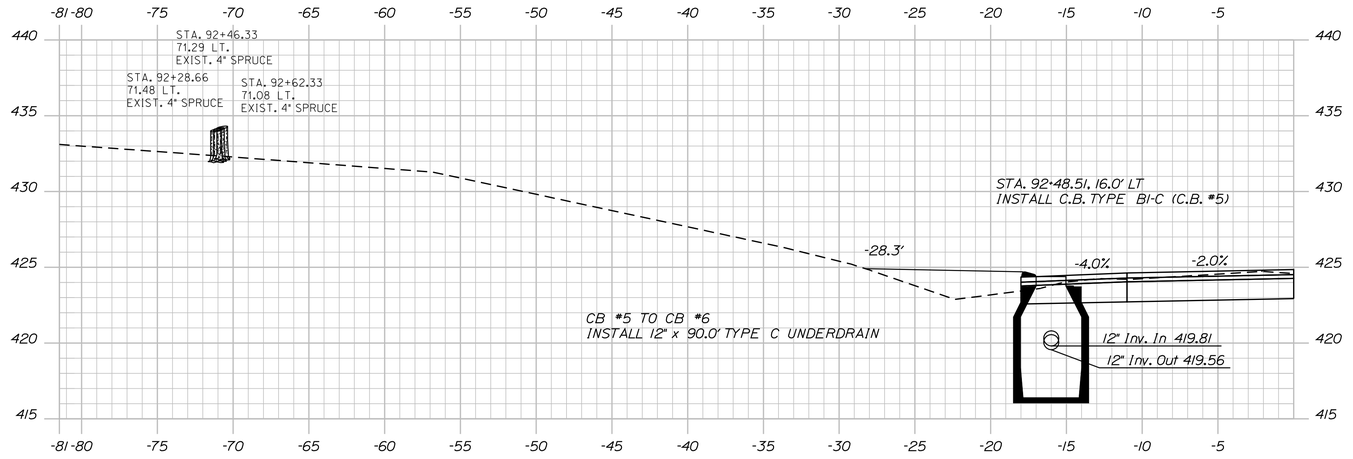
SHEET NUMBER

146

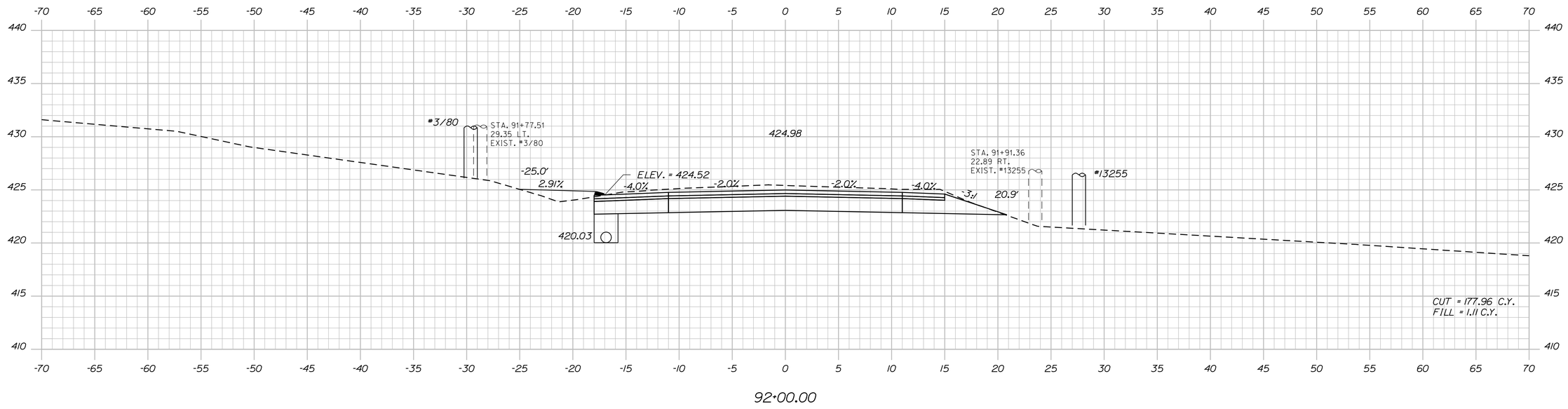
OF 329

Sta. 91+00.00 to Sta. 91+52.07

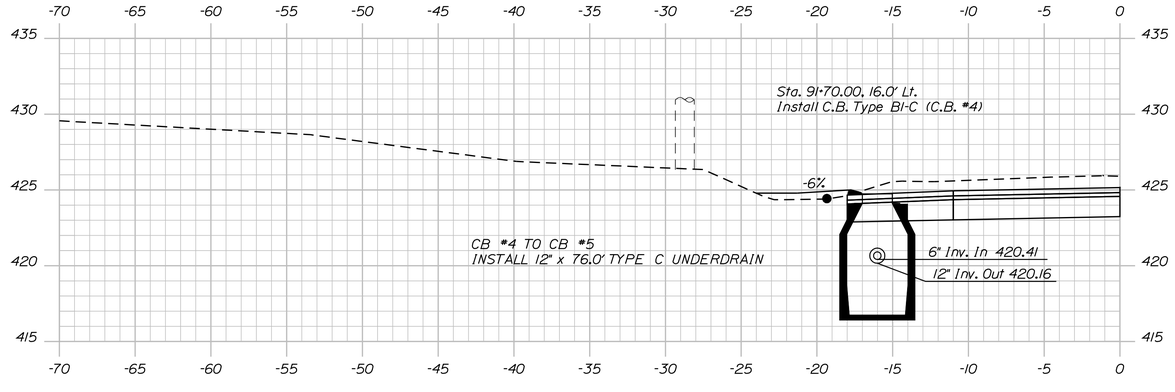
Filename: ...\146_Xsect_FINAL Section 2_91+00_020.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



92+48.52



92+00.00



91+70.00

STATE OF MAINE
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STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	_____	_____	$revision1$
REVISIONS 2	_____	_____	$revision2$
REVISIONS 3	_____	_____	$revision3$
REVISIONS 4	_____	_____	$revision4$
FIELD CHANGES	_____	_____	$fieldchanges$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

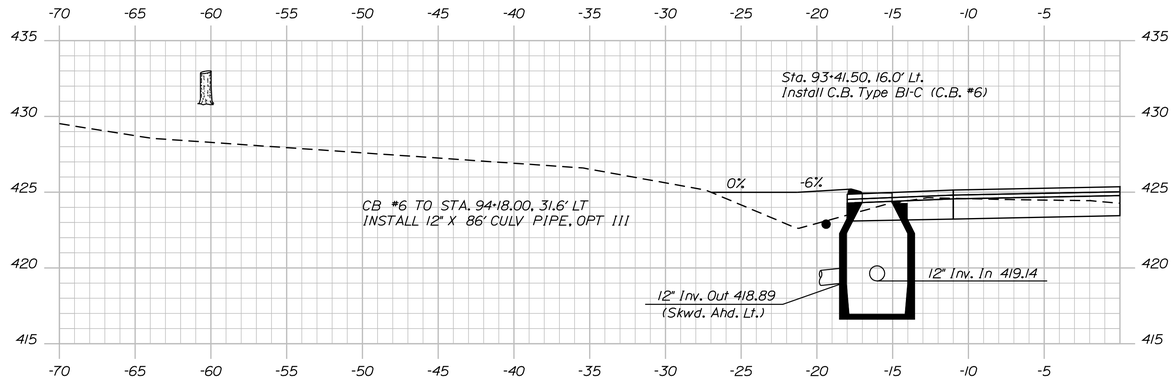
SHEET NUMBER

147

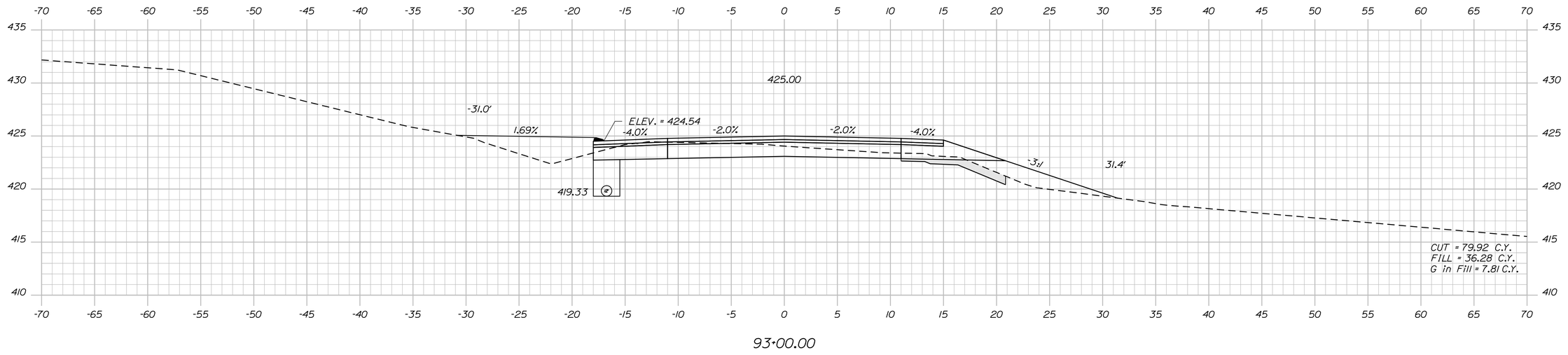
OF 329

Filename: ...\147_Xsect_FINAL Section 2_91+70_02Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

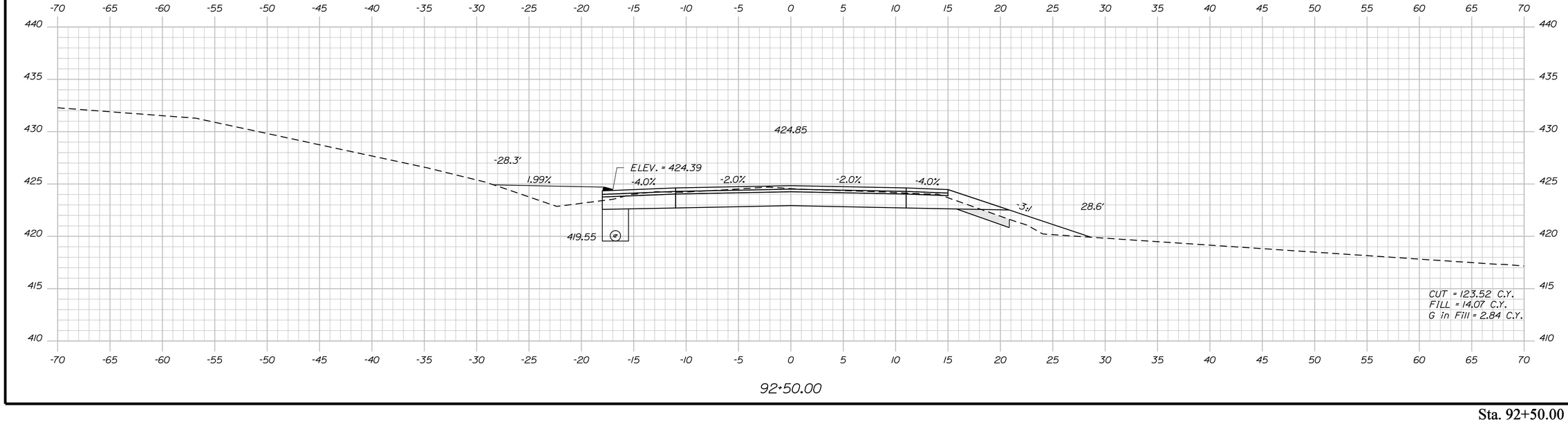
Sta. 91+70.00 to Sta. 92+48.52



93+42.00



93+00.00



92+50.00

Sta. 92+50.00 to Sta. 93+42.00

STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$projmanager$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

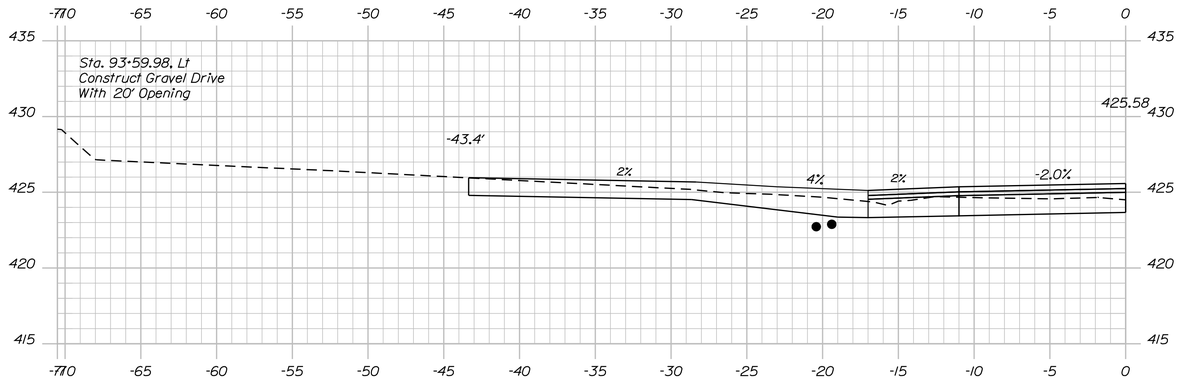
SHEET NUMBER

148

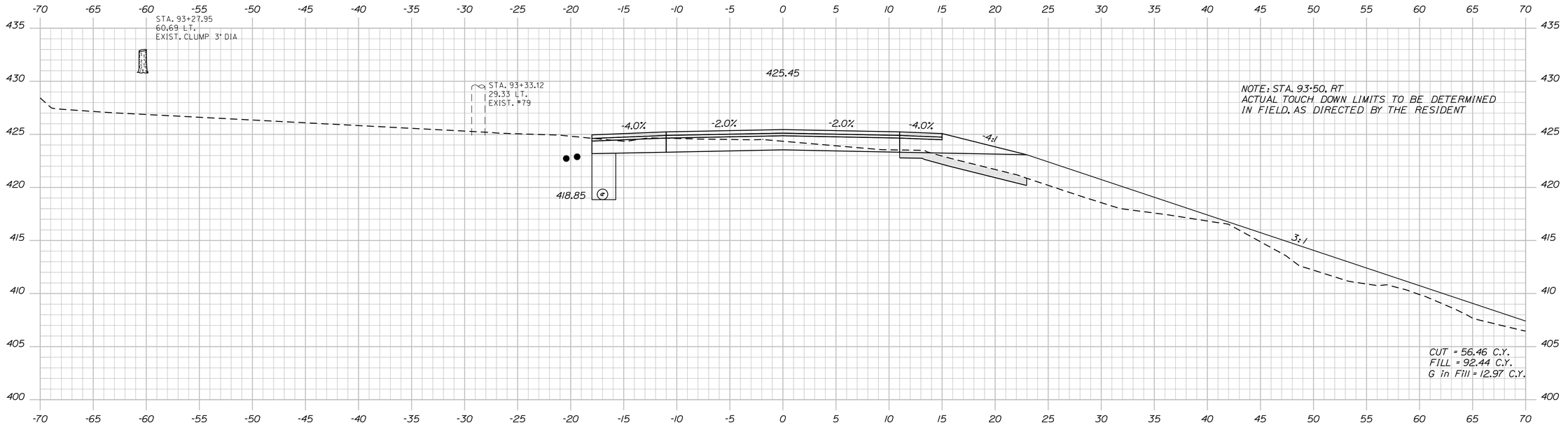
OF 329

Filename: ...\148_Xsect_FINAL Section 2_92+50_02.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY

Filename: ...\149_Xsect_FINAL Section 2_93+50_02.dgn Username: natasha.m.collins Date:3/4/2015



93+59.98



93+50.00

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	------	$revdetail1$	$revdate1$
REVISIONS 2	------	$revdetail2$	$revdate2$
REVISIONS 3	$revision3$	$revdetail3$	$revdate3$
REVISIONS 4	$revision4$	$revdetail4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

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HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

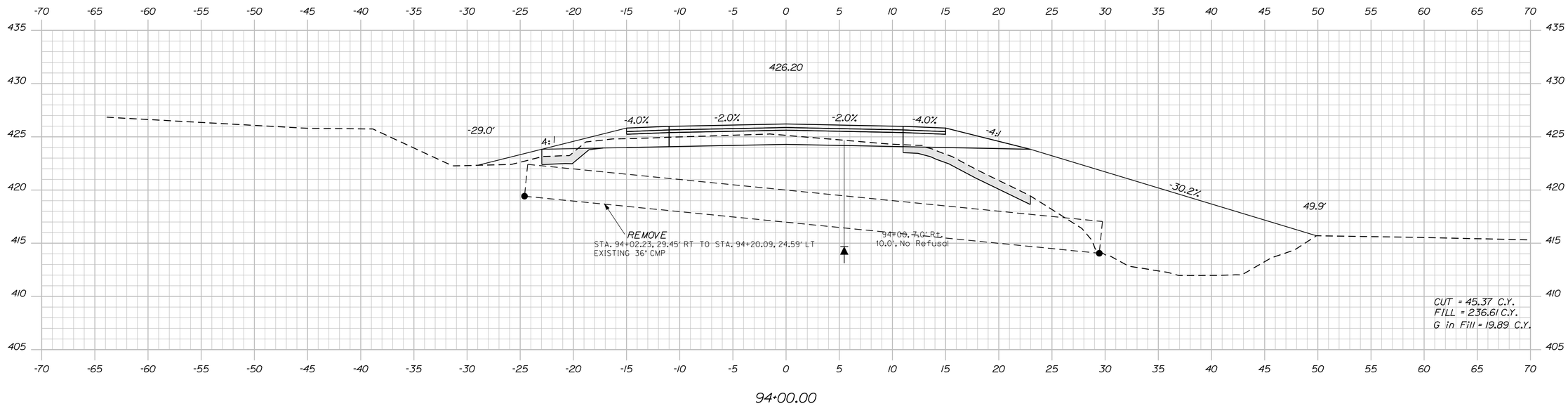
CROSS SECTIONS

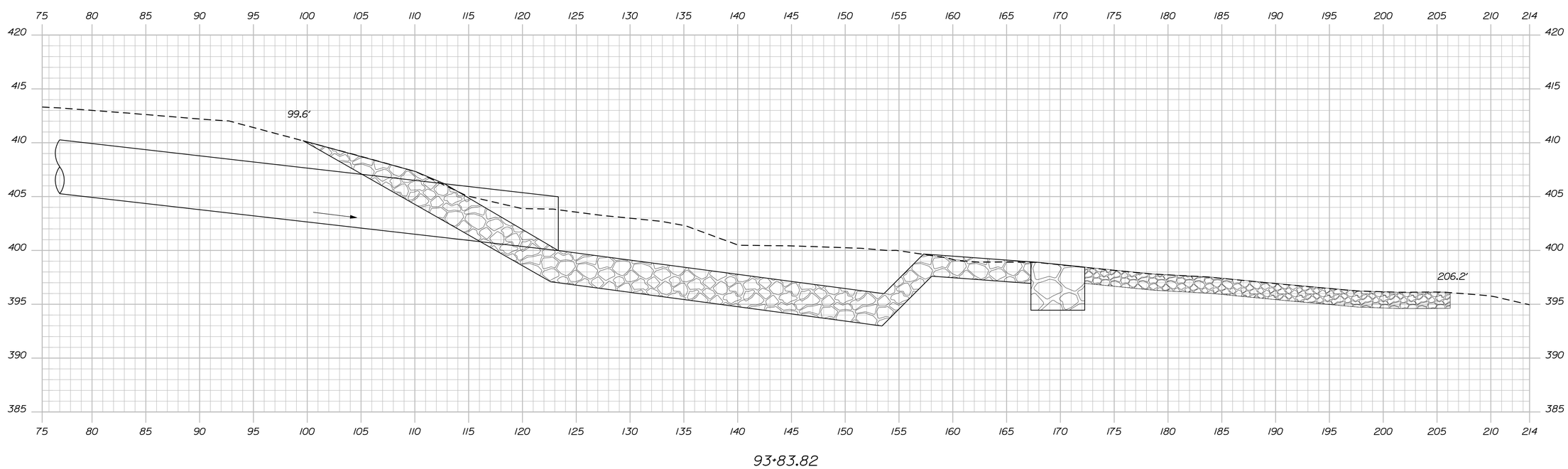
SHEET NUMBER

149

OF 329

Sta. 93+50.00 to Sta. 93+59.88





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

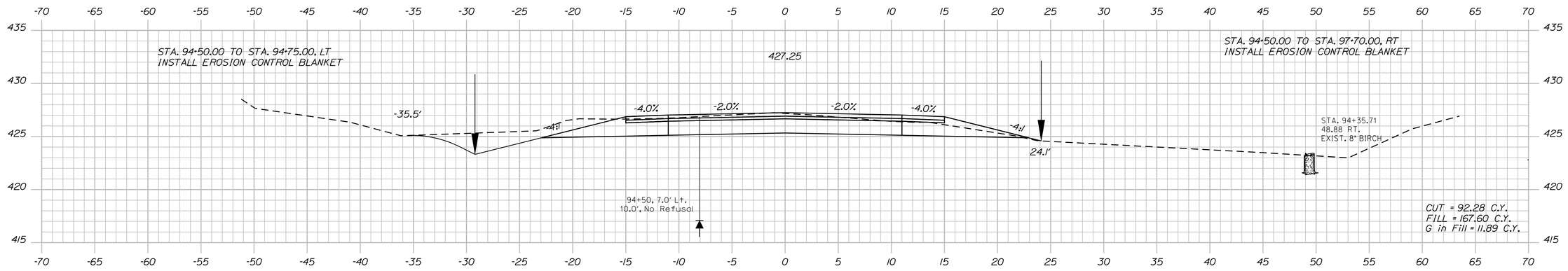
SHEET NUMBER

150

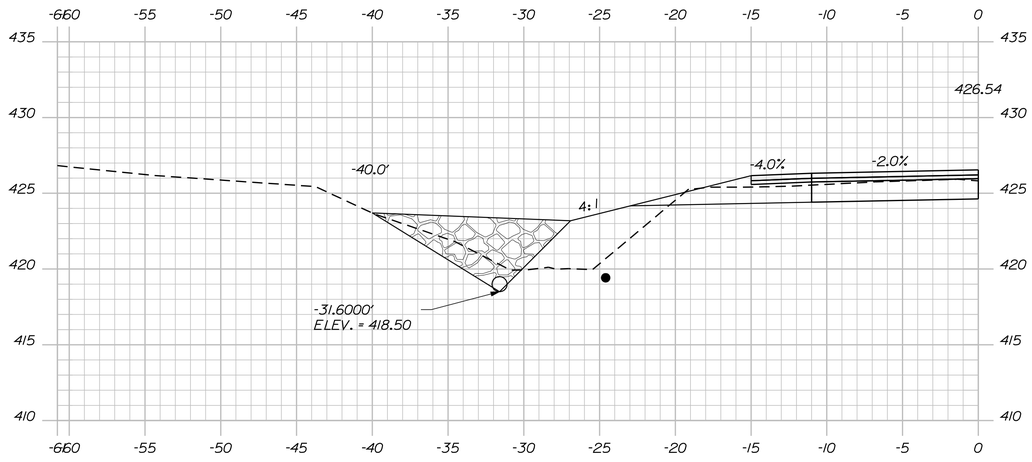
OF 329

Sta. 93+83.82 to Sta. 94+00.00

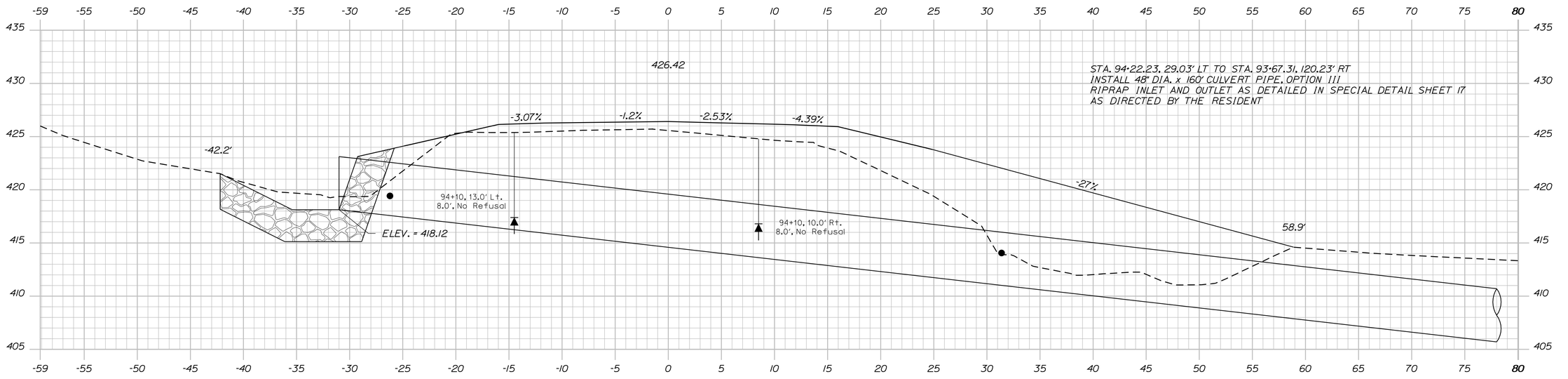
Filename: ...\150_Xsect_FINAL Section 2_93+83_02.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



94+50.00



94+18.01



94+11.55 (SKEWED SECTION)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____ SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____		$revdate1$ P.E. NUMBER
REVISIONS 2	_____		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

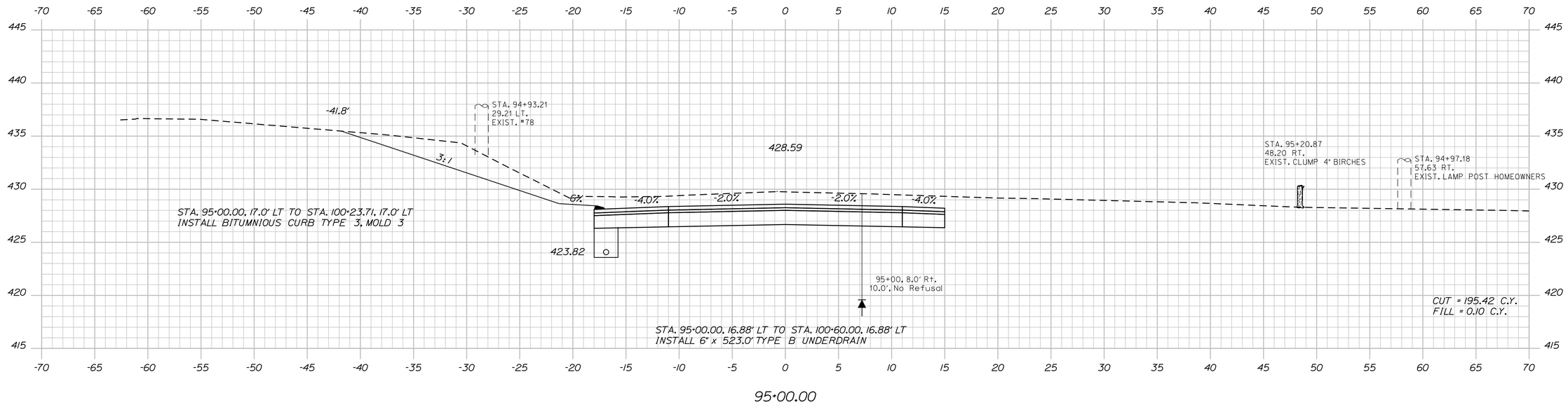
151

OF 329

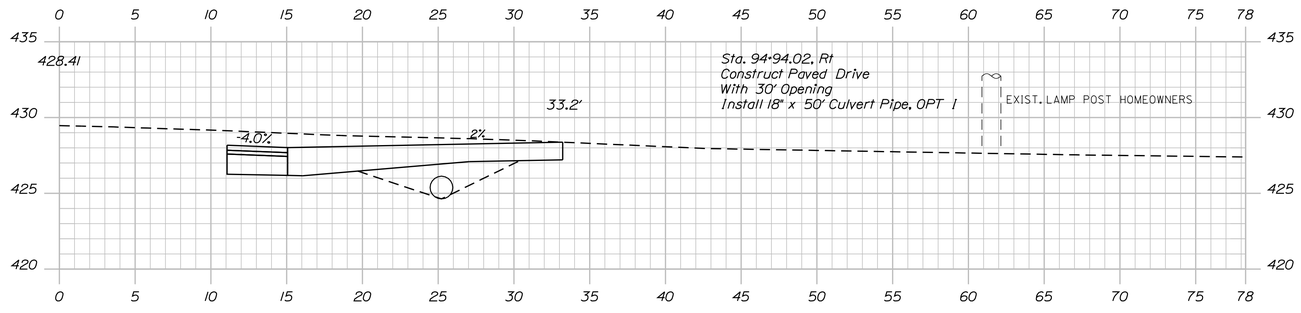
Sta. 94+11.55 to Sta. 94+50.00

Username: natasha.m.collins Date:3/4/2015

Filename: ...\151_Xsect_FINAL Section 2_94+11.025to50.dgn Division: HIGHWAY

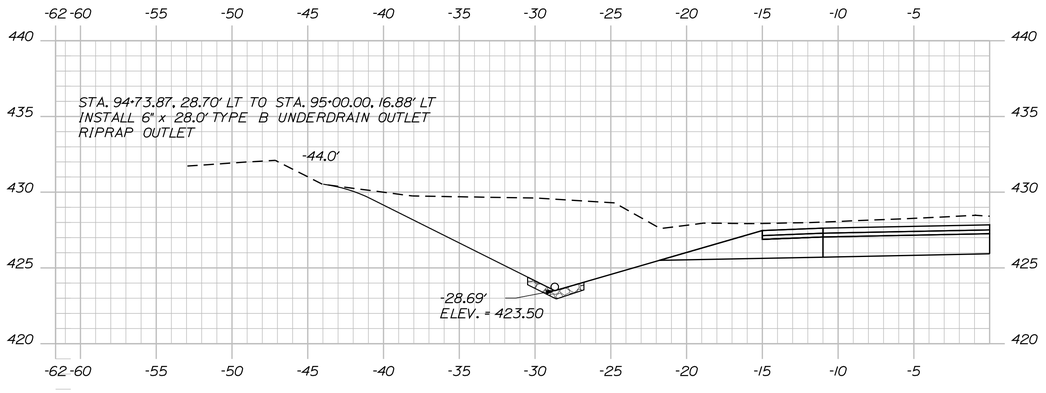


95+00.00



94+94.02

STA. 94+72.85, 27.2' LT TO STA. 95+00.00, 15.0' LT
CONSTRUCT 27.0' LONG x 4' WIDE RIPRAP DOWNSPOUT
TIE INTO 6" US OUTLET RIPRAP PAD
AS DIRECTED BY THE RESIDENT



94+73.87

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____ SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	$detailer3$	$revdate3$ DATE
REVISIONS 4	$revision4$	$detailer4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

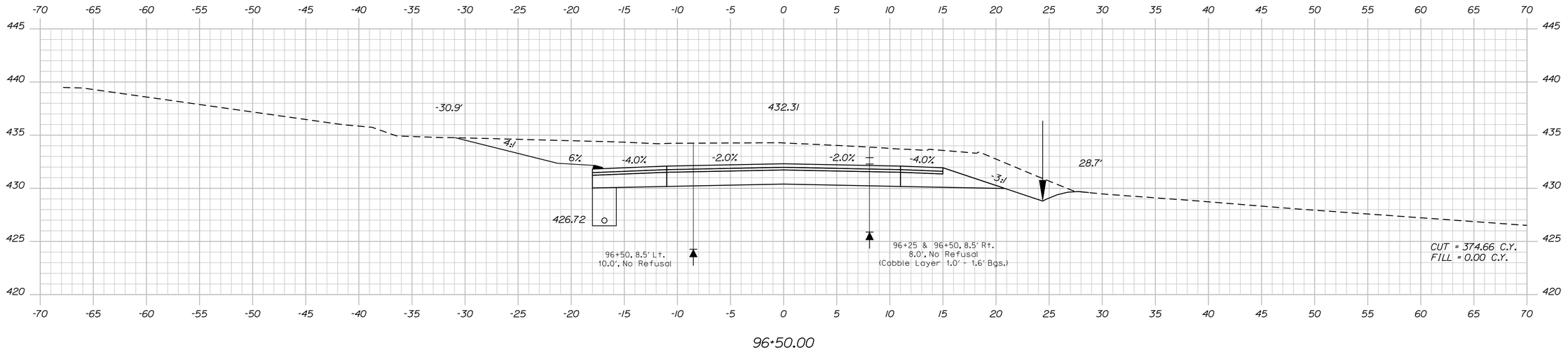
SHEET NUMBER

152

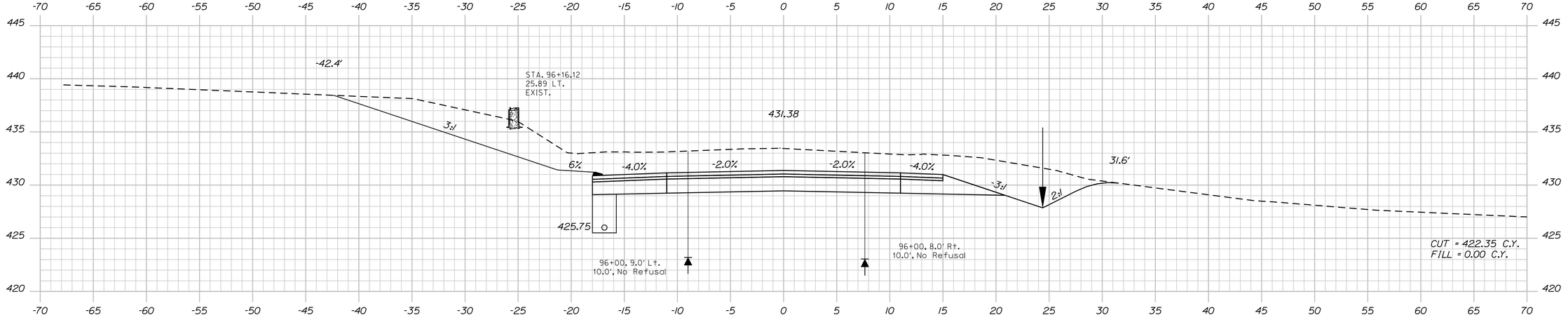
OF 329

Filename: ...\152_Xsect_FINAL Section 2_94+73_025.dgn Username: HIGHWAY Date:3/4/2015 Username: natasha.m.collins

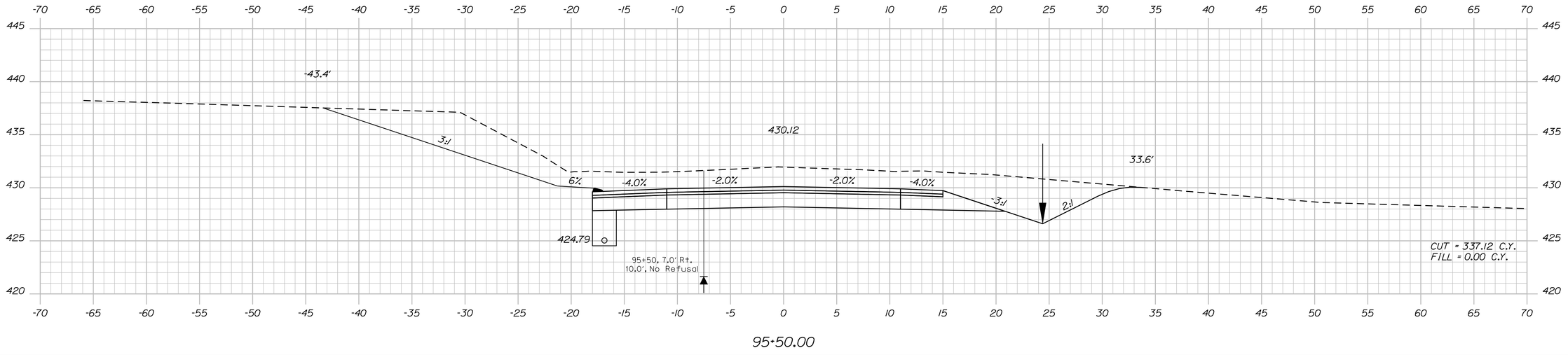
Sta. 94+73.87 to Sta. 95+00.00



96+50.00



96+00.00



95+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	------	$revision3$	$revision4$
CHECKED-REVIEWED	-----	------	$revision3$	$revision4$
DESIGN2-DETAILED2	$designer2$	------	$revision3$	$revision4$
DESIGN3-DETAILED3	$designer3$	------	$revision3$	$revision4$
REVISIONS 1	------	------	------	------
REVISIONS 2	------	$revision3$	$revision4$	$fieldchange$
REVISIONS 3	------	$revision3$	$revision4$	$fieldchange$
REVISIONS 4	------	$revision3$	$revision4$	$fieldchange$
FIELD CHANGES	------	$fieldchange$	$fieldchange$	$fieldchange$

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$pro/date3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	------	$revdate3$
REVISIONS 4	------	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

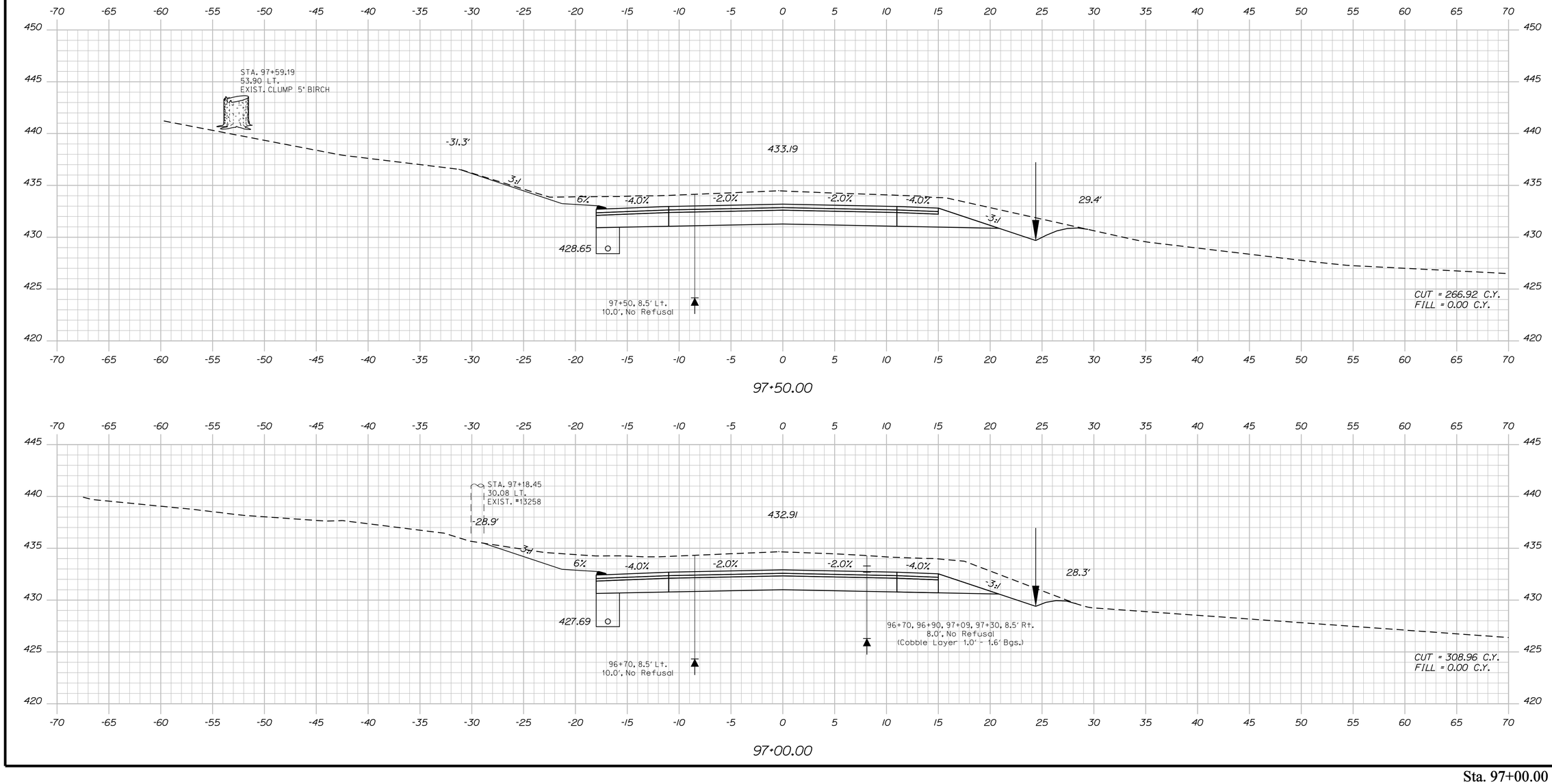
153

OF 329

Sta. 95+50.00 to Sta. 96+50.00

Filename: ...\153_Xsect_FINAL Section 2_95+50_02Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\154_Xsect_FINAL Section 2_97+00_02Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$prodate1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$prodate3$
REVISIONS 1	-----	-----
REVISIONS 2	$revision3$	$revdate3$
REVISIONS 3	$revision4$	$revdate4$
REVISIONS 4	$fieldchange$	$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

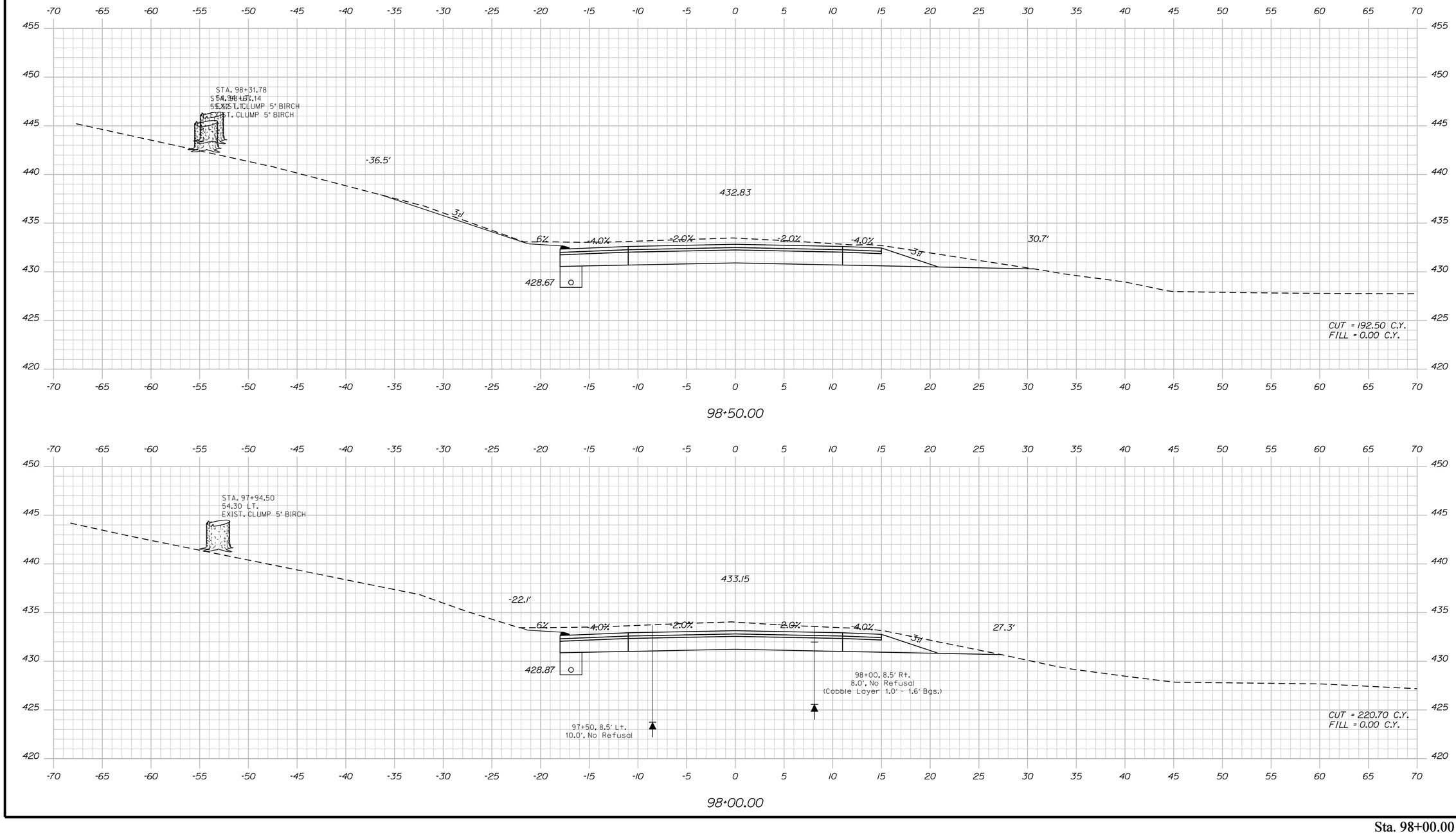
SHEET NUMBER

154

OF 329

Sta. 97+00.00 to Sta. 97+50.00

Filename: ...\155_Xsect_FINAL Section 2_98+00_02 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$	P.E. NUMBER
REVISIONS 1	-----		$revdate1$	
REVISIONS 2	-----		$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fieldchangedate$	

CARIBOU
STATE ROUTE 161

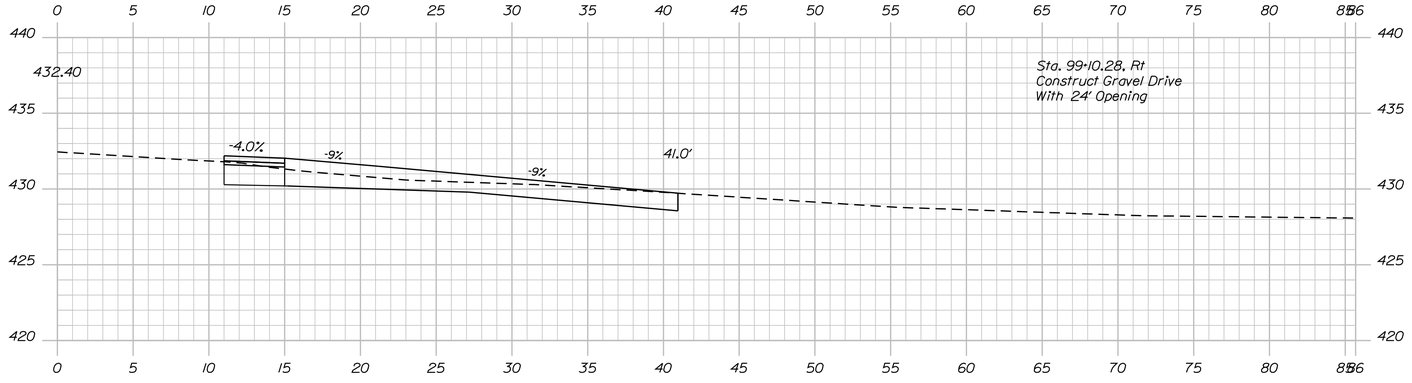
CROSS SECTIONS

SHEET NUMBER

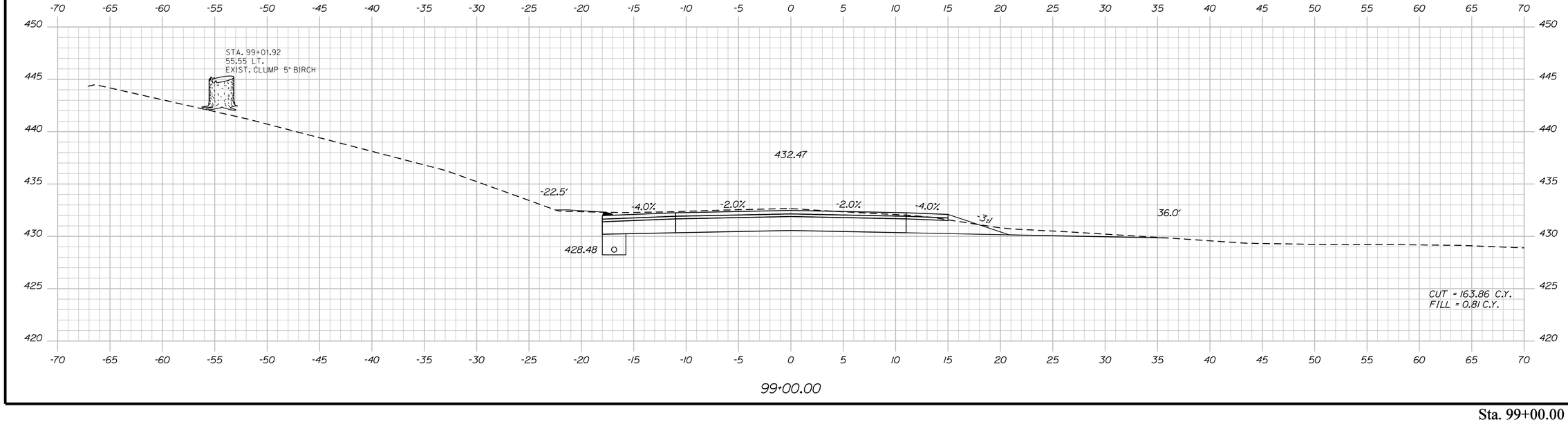
155

OF 329

Sta. 98+00.00 to Sta. 98+50.00



99+10.28



99+00.00

Sta. 99+00.00 to Sta. 99+10.28

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

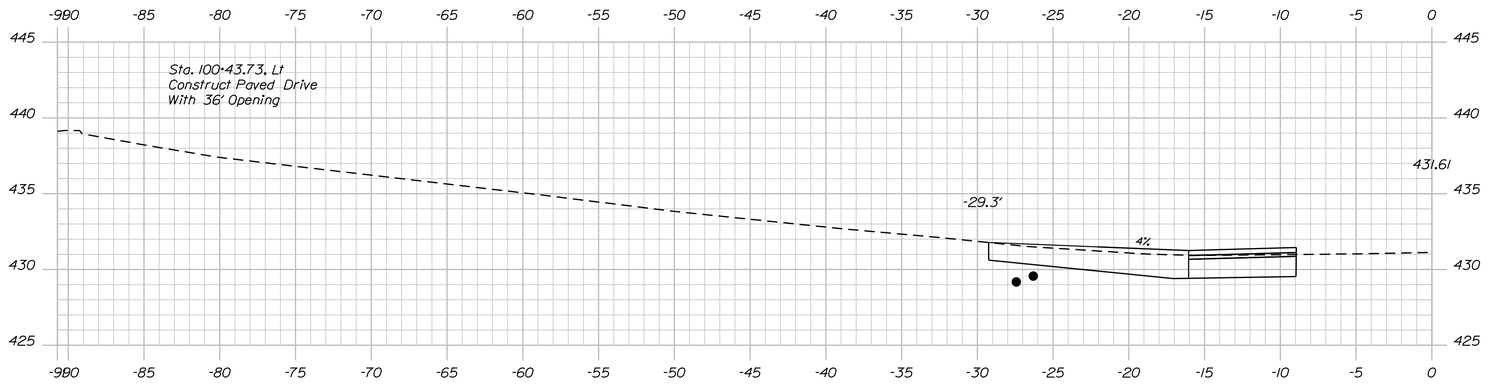
CROSS SECTIONS

SHEET NUMBER

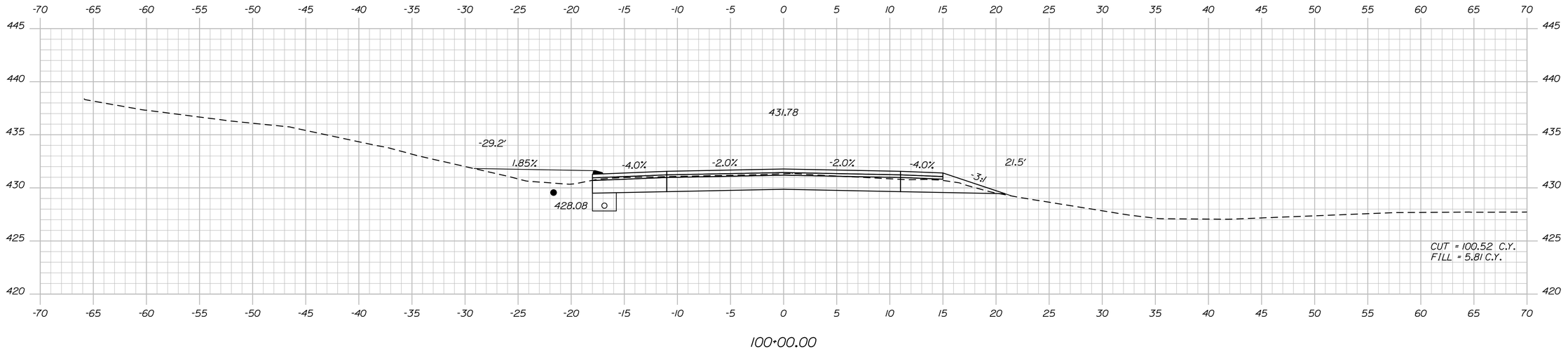
156

OF 329

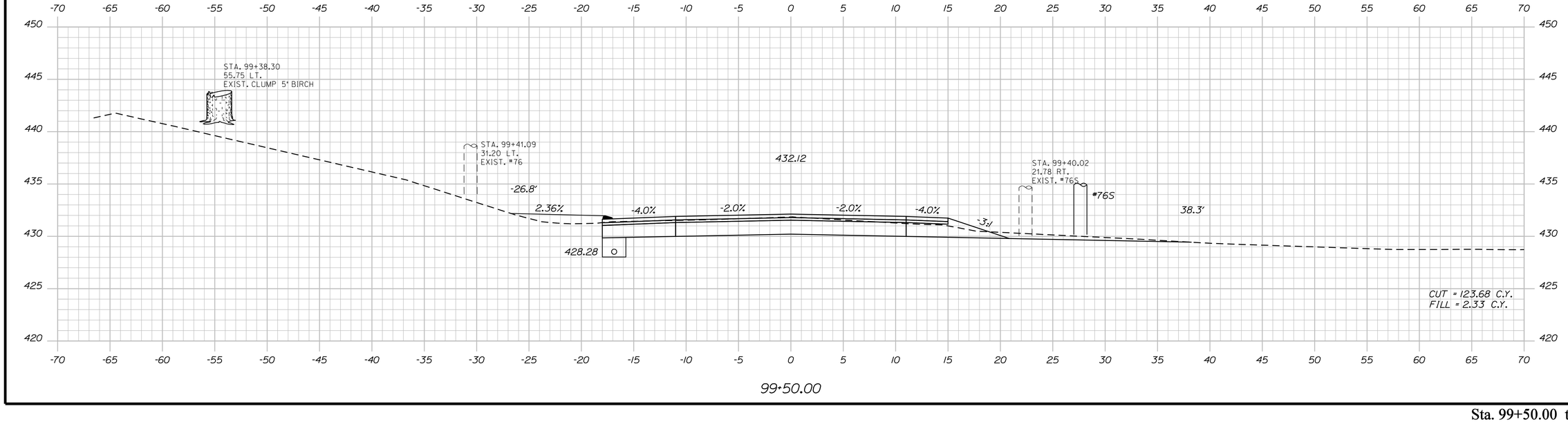
Filename: ...\156_Xsect_FINAL Section 2_99+00_0.30.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



100+43.73



100+00.00



99+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$	$revdate1$
REVISIONS 2	-----	$revdate2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

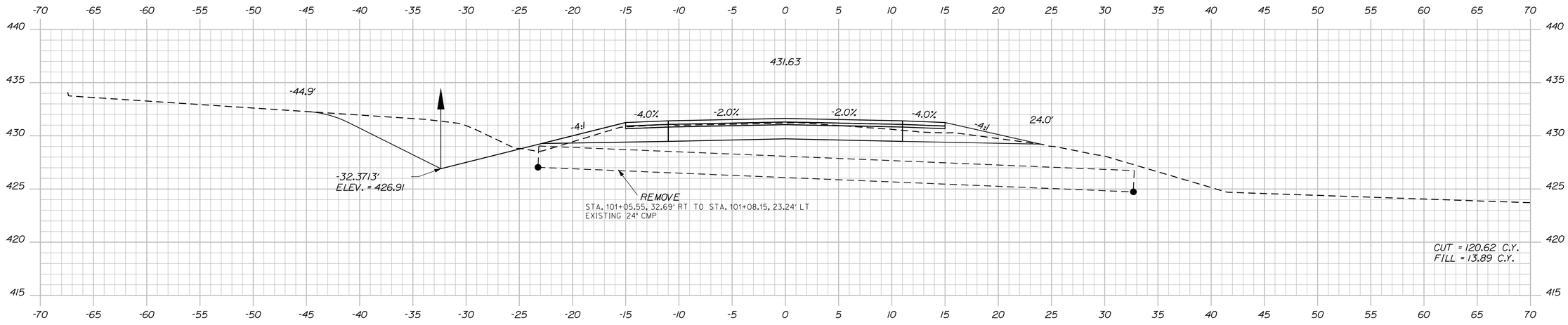
SHEET NUMBER

157

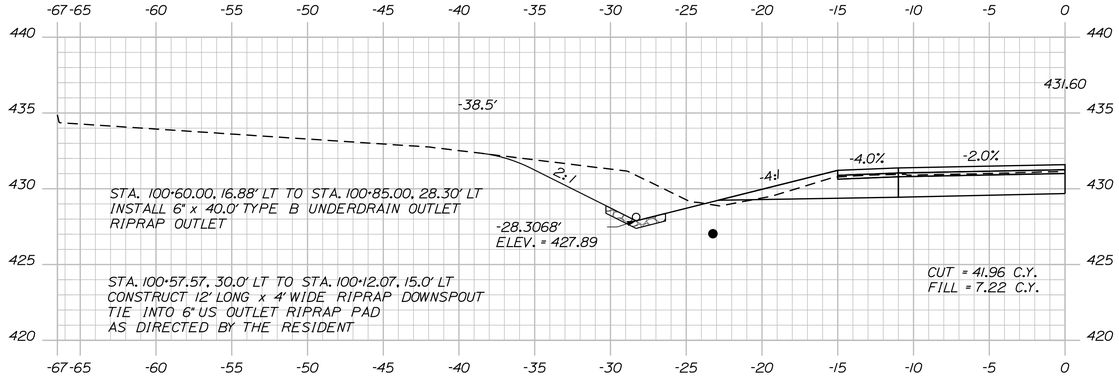
OF 329

Sta. 99+50.00 to Sta. 100+43.73

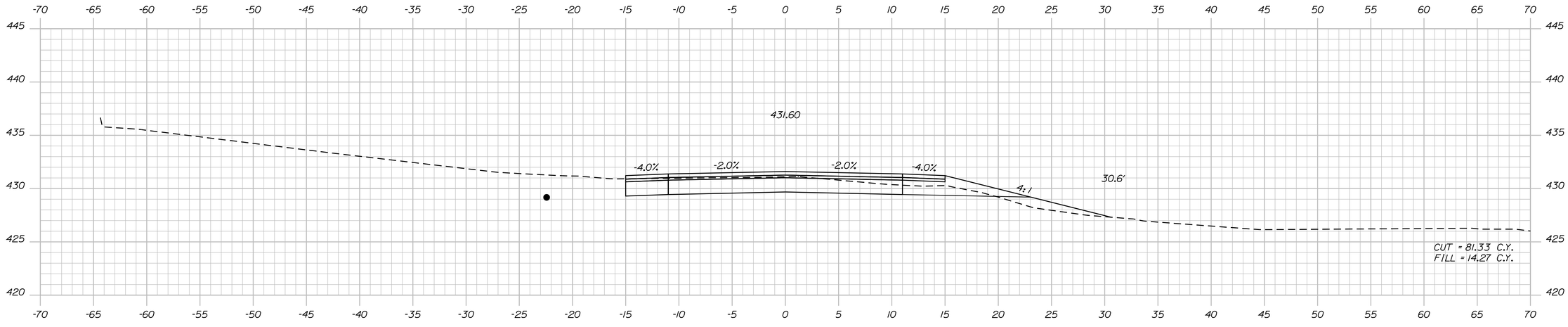
Filename: ...\157_Xsect_FINAL Section 2_99+50_03.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



101+00.00



100+85.00



100+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	$revision3$	$revdate3$
REVISIONS 3	$revision4$	$revdate4$
REVISIONS 4	$fieldchange$	$fieldchgdate$

	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	-----	$revdate1$	
DESIGN2-DETAILED2	-----	$revdate2$	
DESIGN3-DETAILED3	-----	$revdate3$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

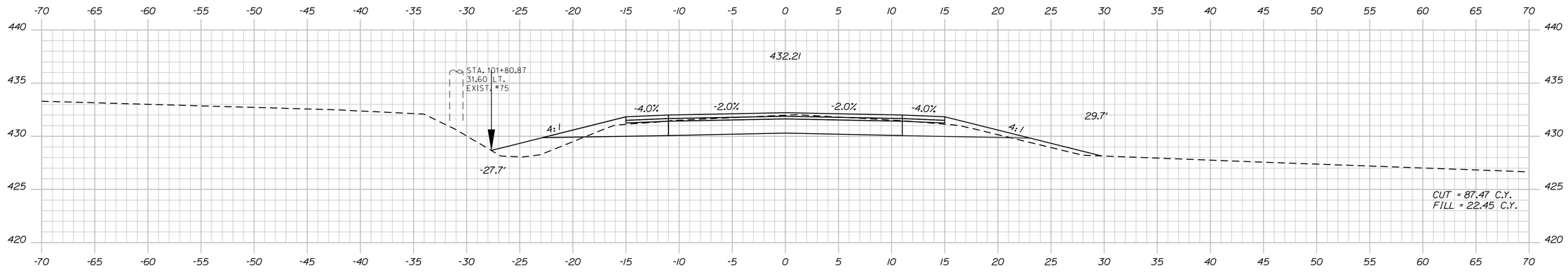
SHEET NUMBER

158

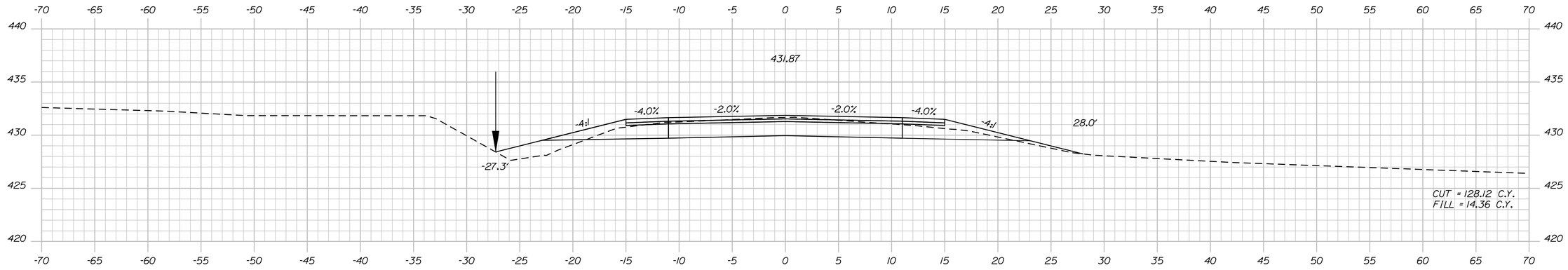
OF 329

Sta. 100+50.00 to Sta. 101+00.00

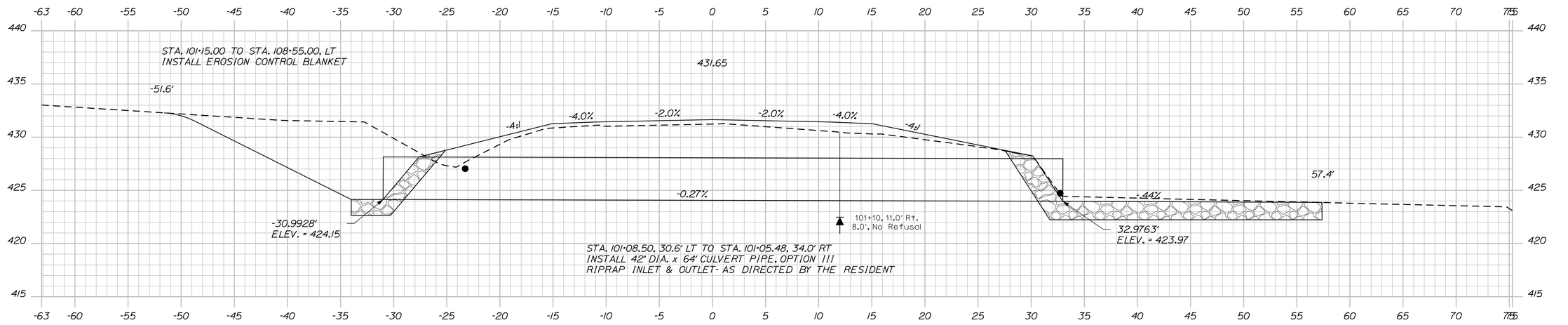
Filename: ...\158_Xsect_FINAL Section 2_100+50_0[illegible]dgn Username: natasha.m.collins Date:3/4/2015



102+00.00



101+50.00



101+07.06 (SKEWED SECTION)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	$P.E. NUMBER
CHECKED-REVIEWED	$designer2$	$detailer2$	$proj date2$	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	
REVISIONS 1	------		$revdate1$	$P.E. NUMBER
REVISIONS 2	$revision3$		$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

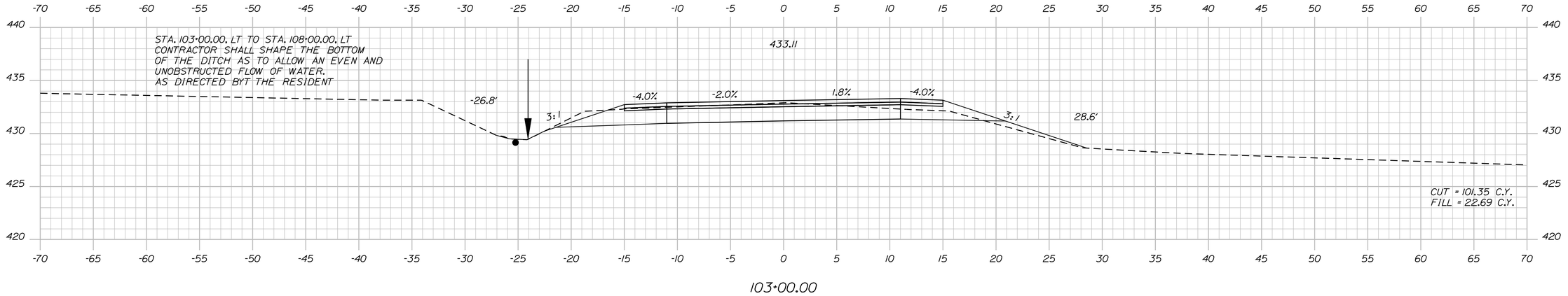
SHEET NUMBER

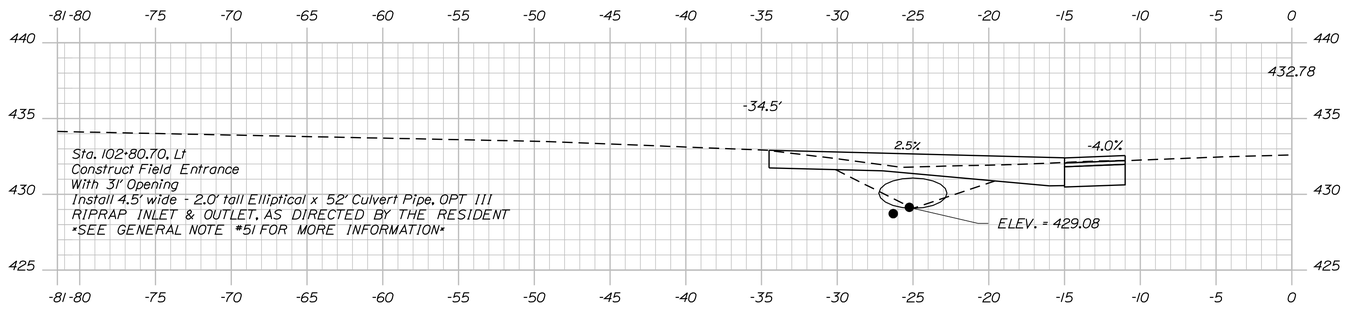
159

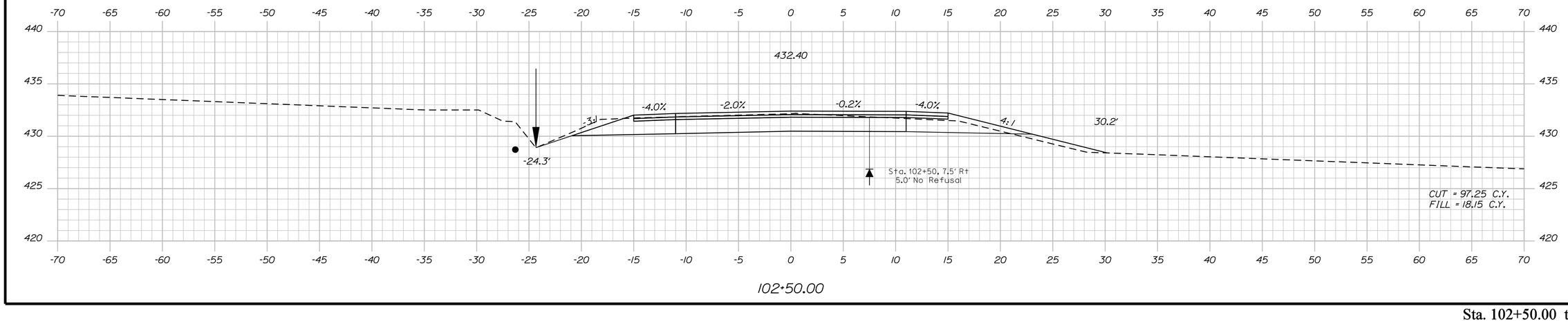
OF 329

Sta. 101+07.06 to Sta. 102+00.00

Filename: ...\159_Xsect_FINAL Section 2_101+07_00.dgn Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

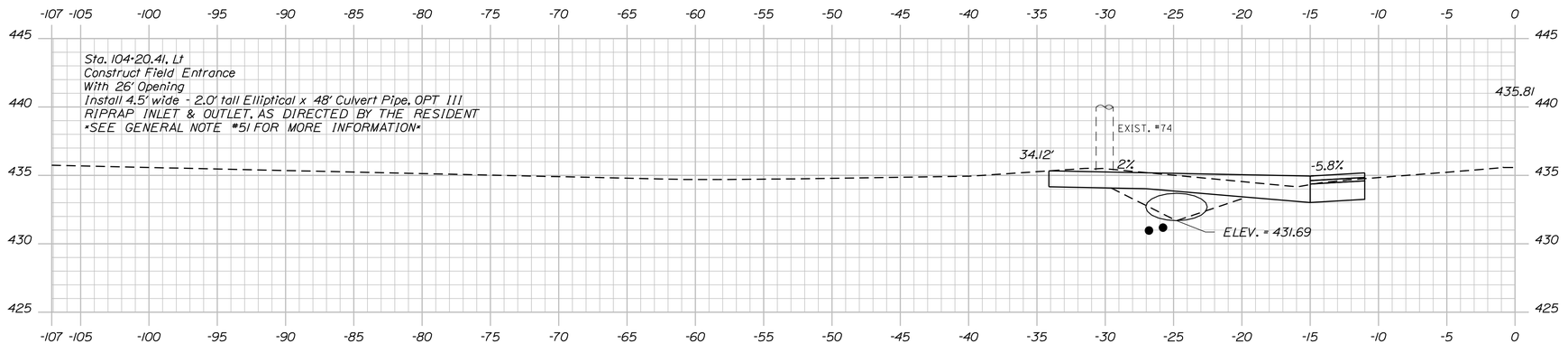
SHEET NUMBER

160

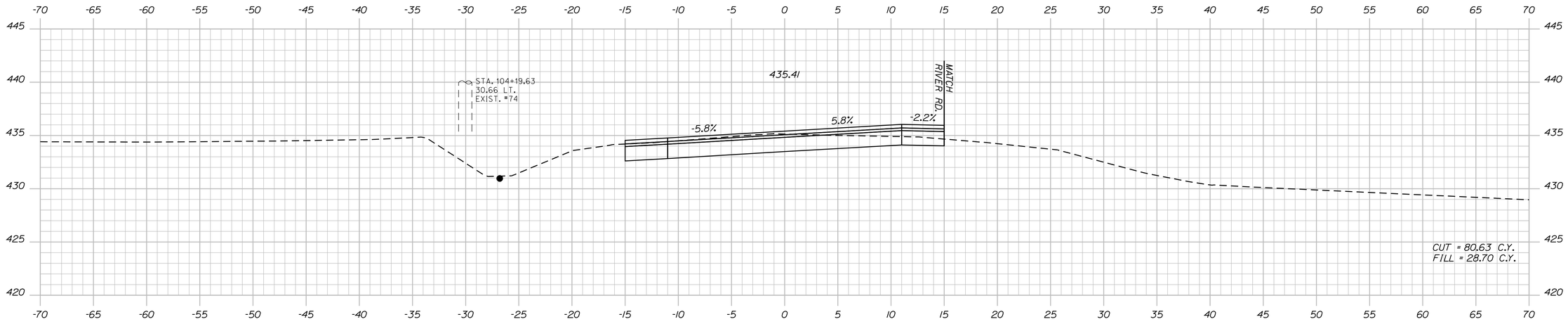
OF 329

Sta. 102+50.00 to Sta. 103+00.00

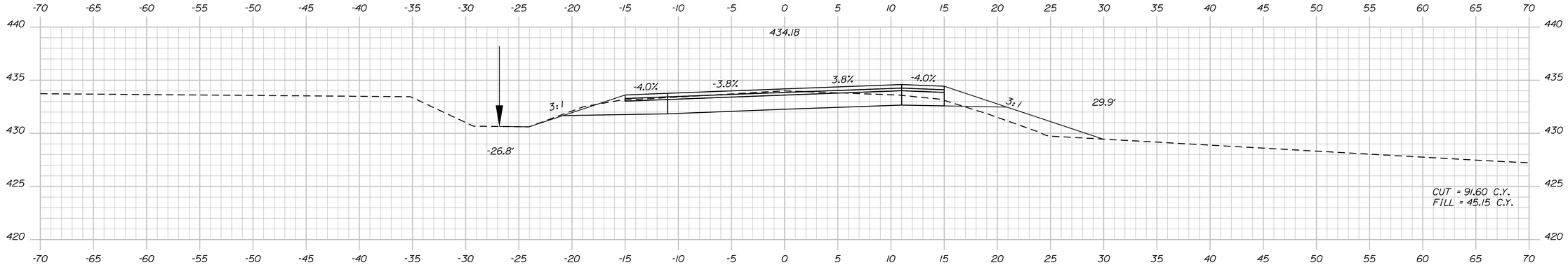
Filename: ...\160_Xsect_FINAL Section 2_102+50_08Division HIGHWAY Username: natasha.m.collins Date:3/4/2015



104+20.41



104+00.00



103+50.00

Sta. 103+50.00 to Sta. 104+20.41

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

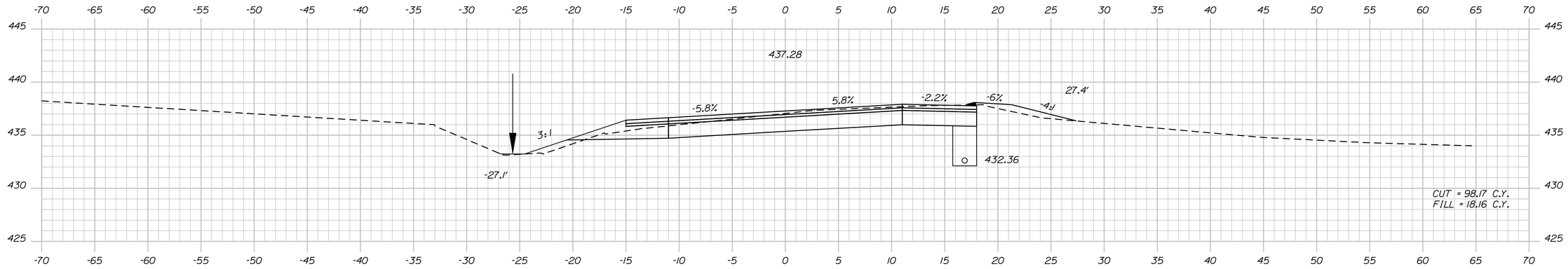
	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	$revision3$	$revdate3$
REVISIONS 3	$revision4$	$revdate4$
REVISIONS 4	$fieldchange$	$fielddate$
FIELD CHANGES	SIGNATURE	P.E. NUMBER / DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

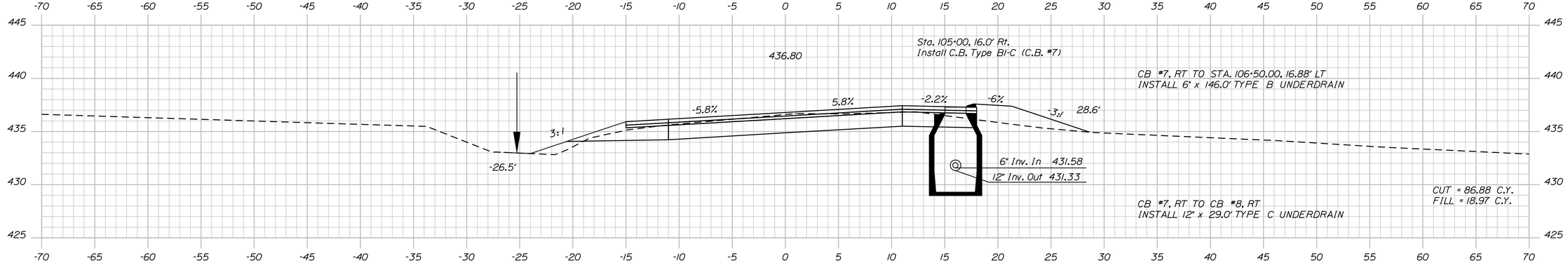
SHEET NUMBER
161
OF 329

Filename: ...\161_Xsect_FINAL Section 2_103+50_00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

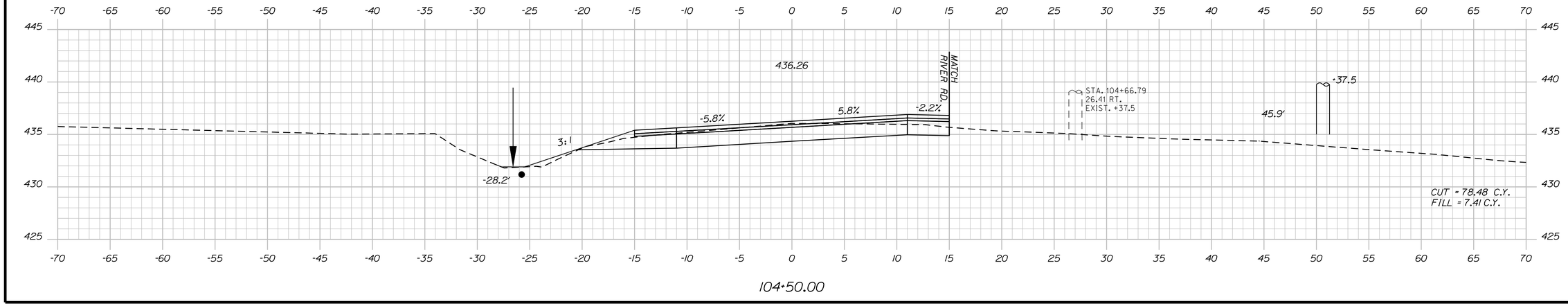


105+50.00

STA. 300+79.78, 13.0' RT TO STA. 106+54.14, 17.0' RT
INSTALL BITUMNIOUS CURB TPYE 3, MOLD 3
(CURB WRAPS AROUND RADIUS OF INTERSECTION
WITH RT. 161 AND RIVER ROAD)



105+00.00



104+50.00

Sta. 104+50.00 to Sta. 105+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$proj.manager$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

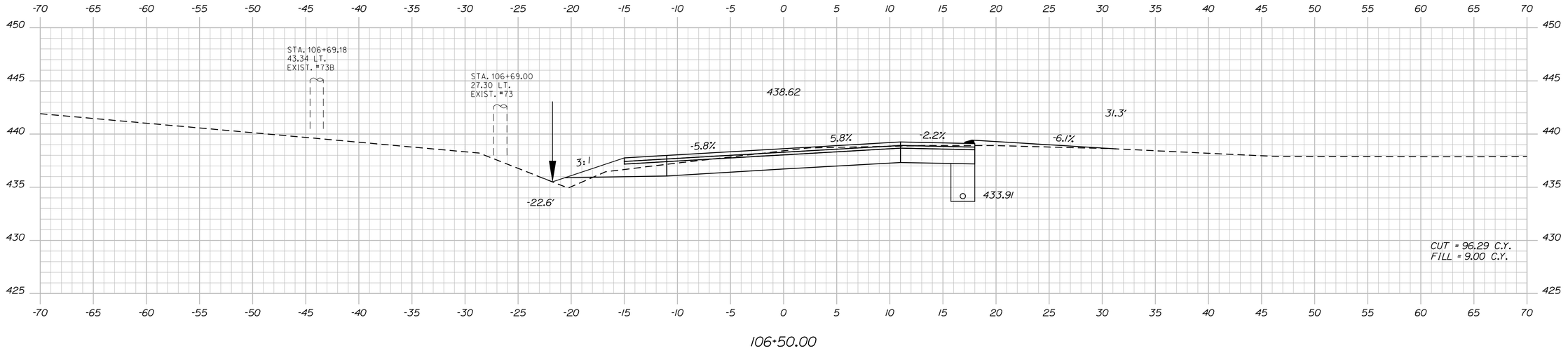
CROSS SECTIONS

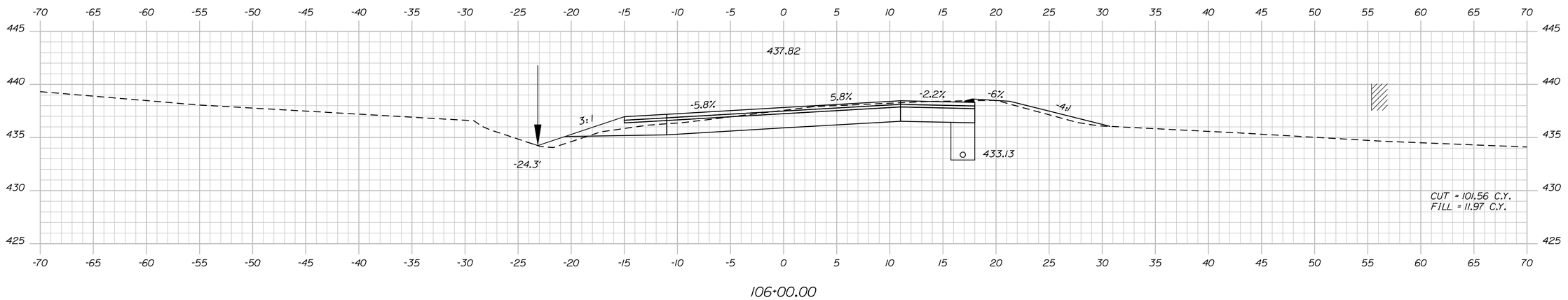
SHEET NUMBER

162

OF 329

Filename: ...\162_Xsect_FINAL Section 2_104+50_05.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015





Sta. 106+00.00 to Sta. 106+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

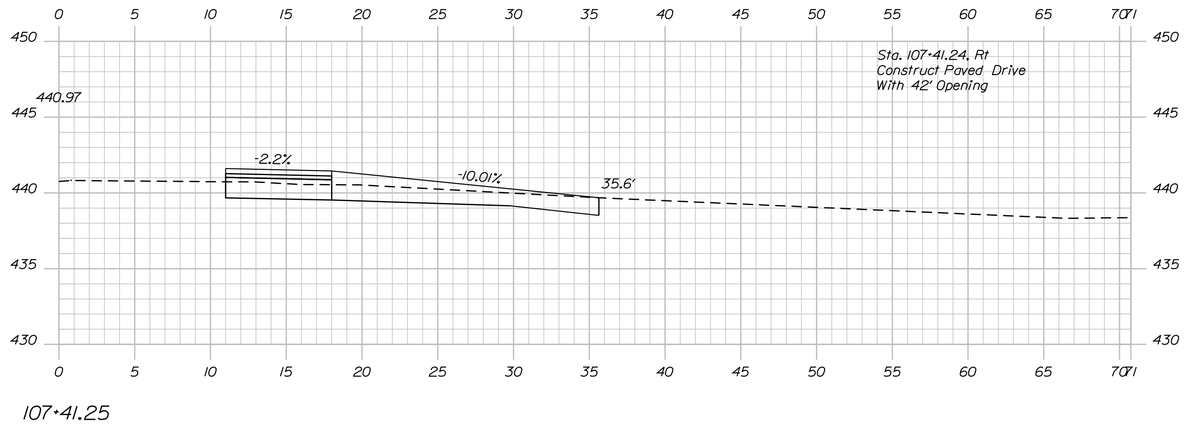
CROSS SECTIONS

SHEET NUMBER

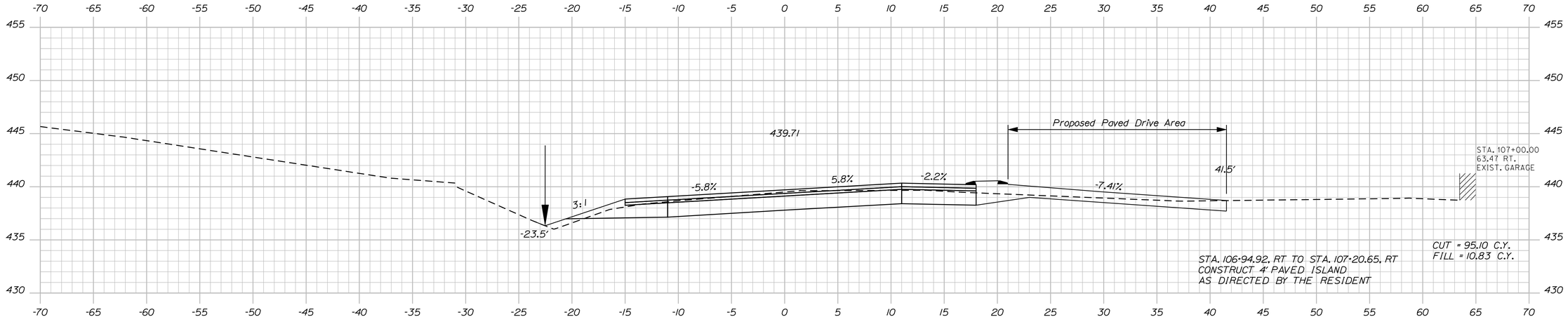
163

OF 329

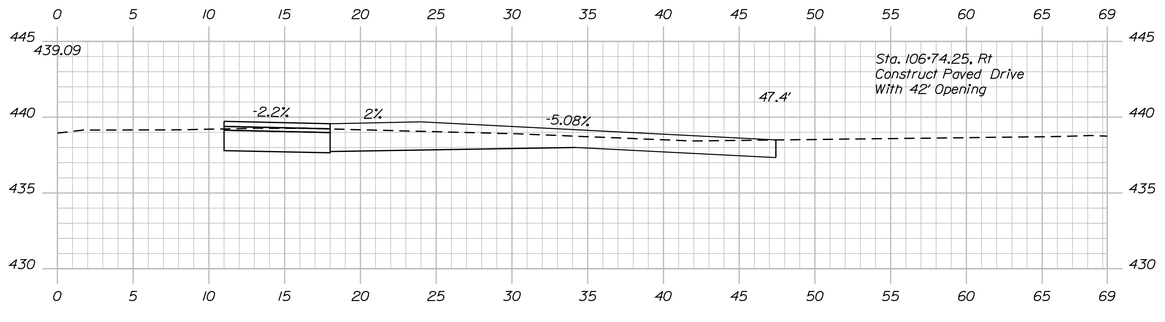
Filename: ...\163_Xsect_FINAL Section 2_106+00_087.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



107+41.25



107+00.00



106+74.25

PROJ. MANAGER	#PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

DATE

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

164

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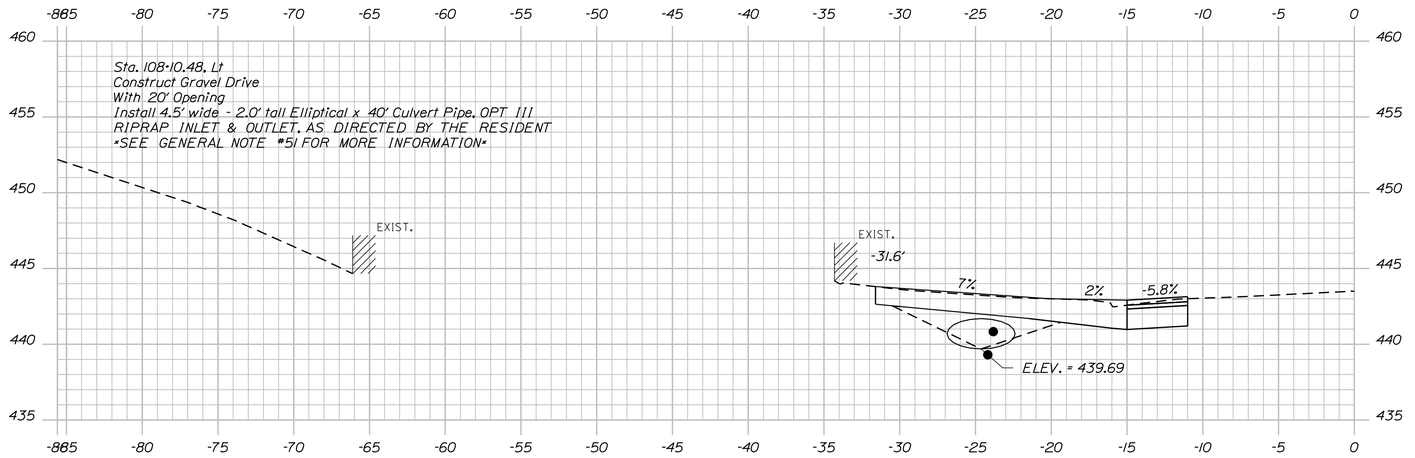
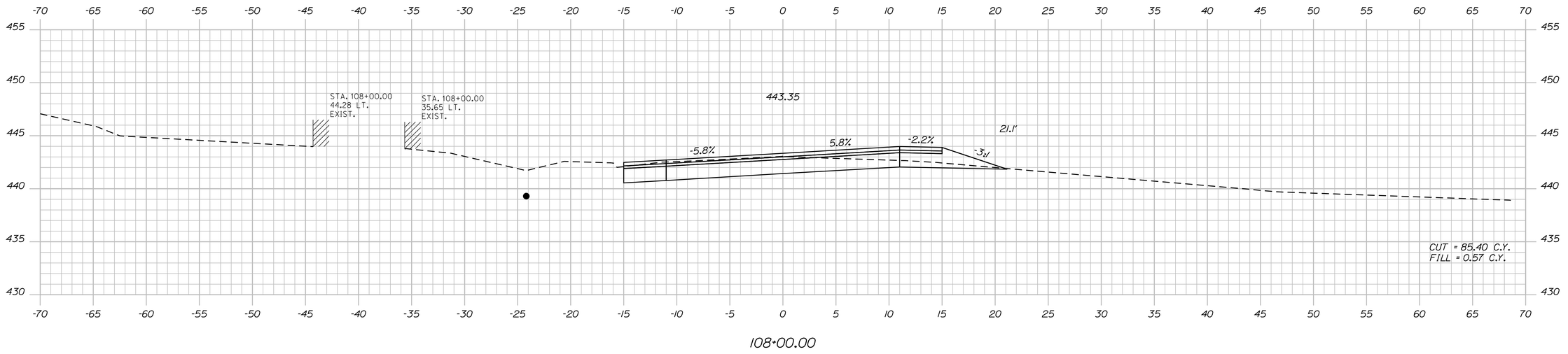
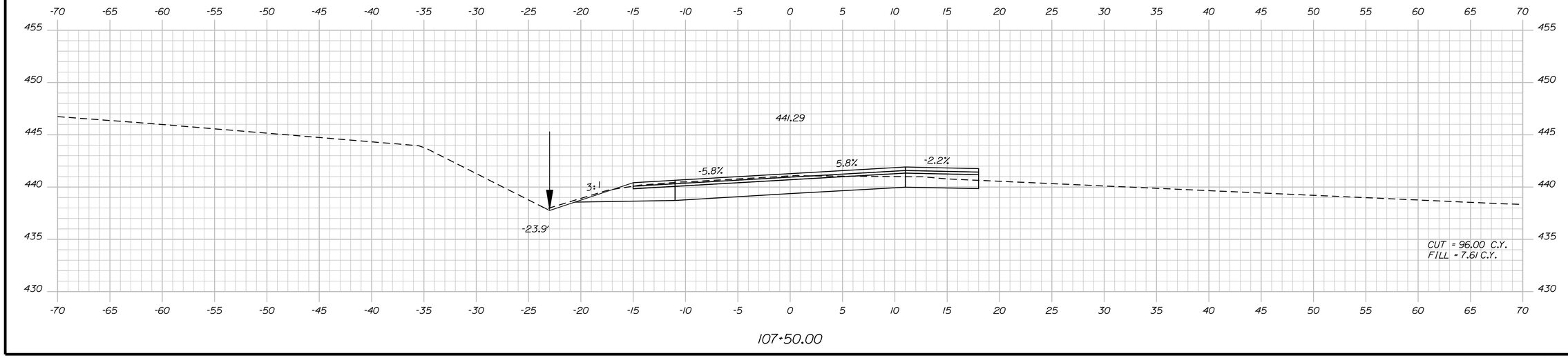
Sta. 106+74.25 to Sta. 107+41.25

Filename: ...\164_Xsect_FINAL Section 2_106+74_0B.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER #PROJMANAGER#		
DESIGN-DETAILED	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$detailer3$	$pro/date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

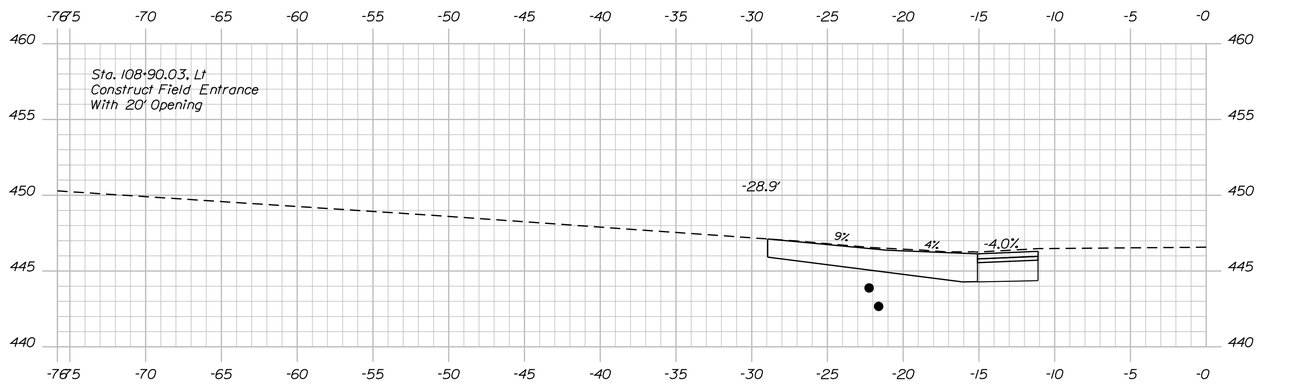
SHEET NUMBER

165

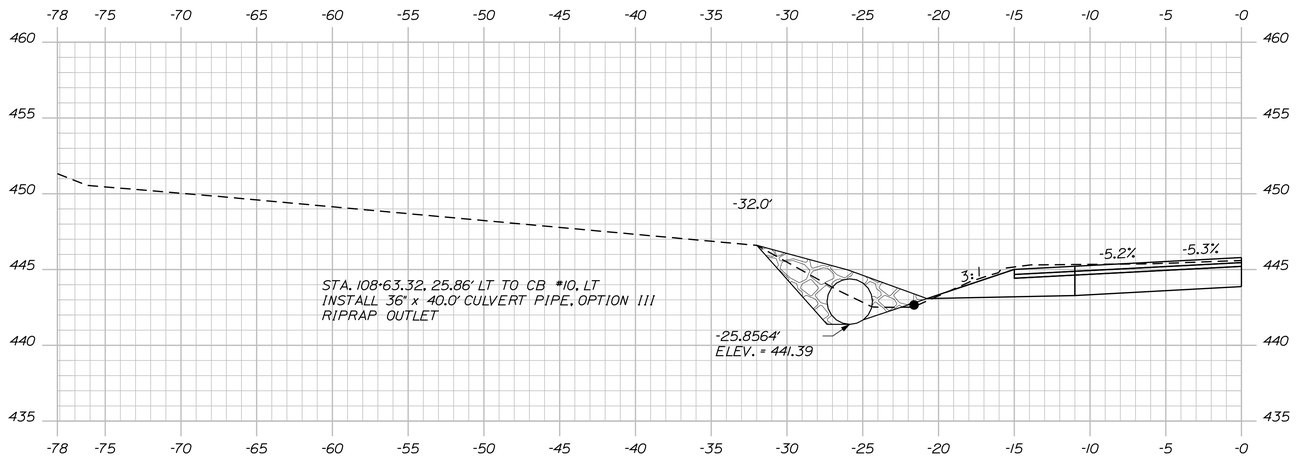
OF 329

Sta. 107+50.00 to Sta. 108+10.48

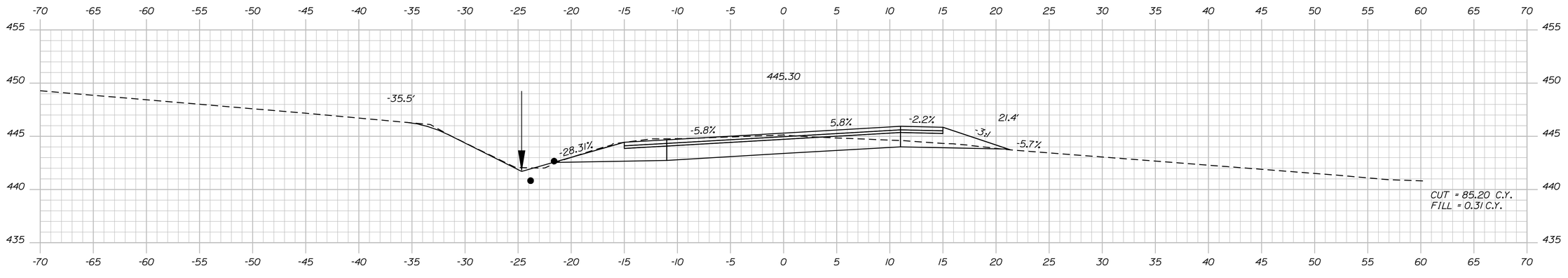
Filename: ...\165_Xsect_FINAL Section 2_107+50_08Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



108+90.03



108+63.32



108+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	_____	$revdate1$
REVISIONS 2	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

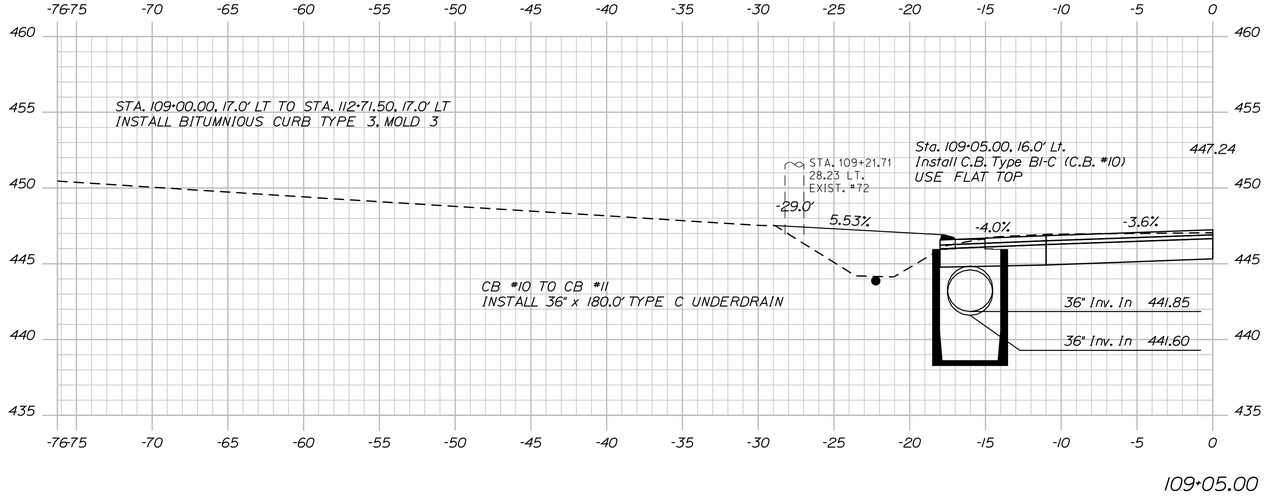
SHEET NUMBER

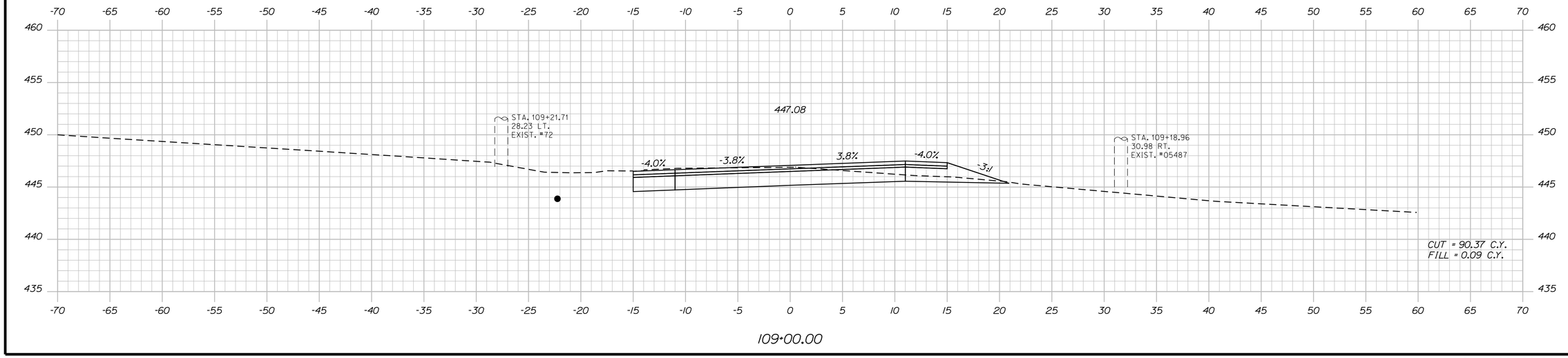
166

OF 329

Sta. 108+50.00 to Sta. 108+90.03

Filename: ...\166_Xsect_FINAL Section 2_108+50_08Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

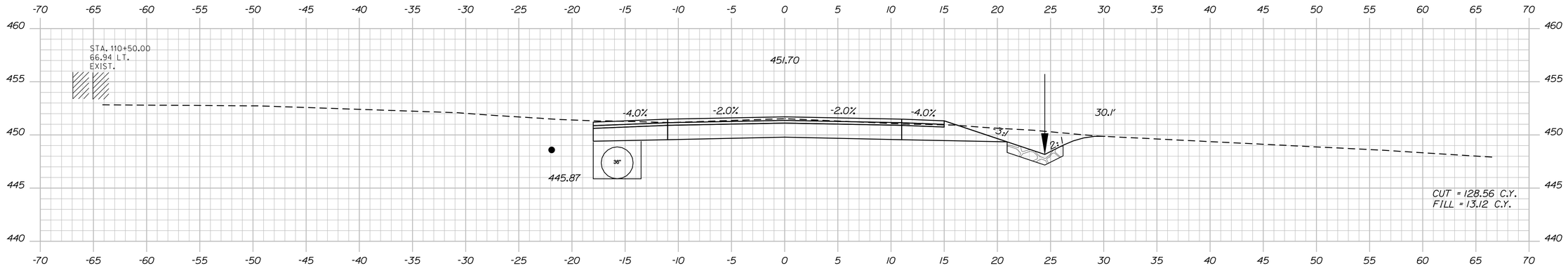
SHEET NUMBER

167

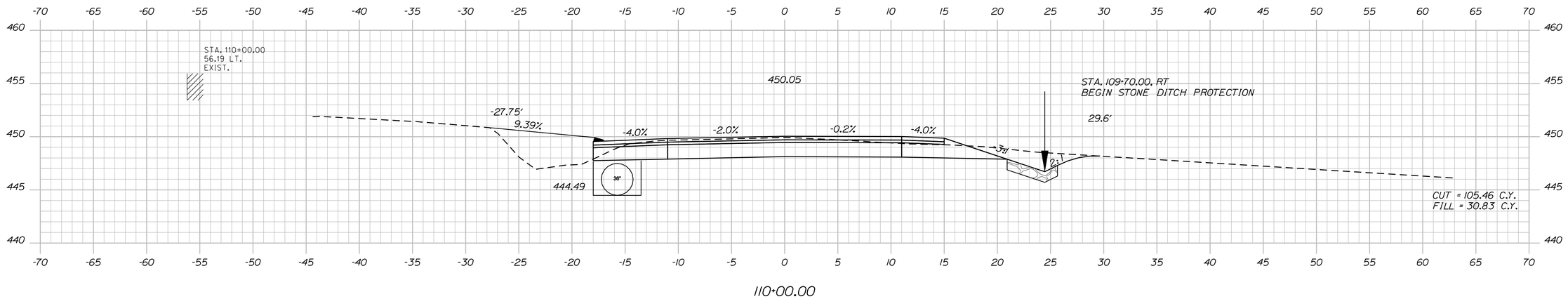
OF 329

Sta. 109+00.00 to Sta. 109+05.00

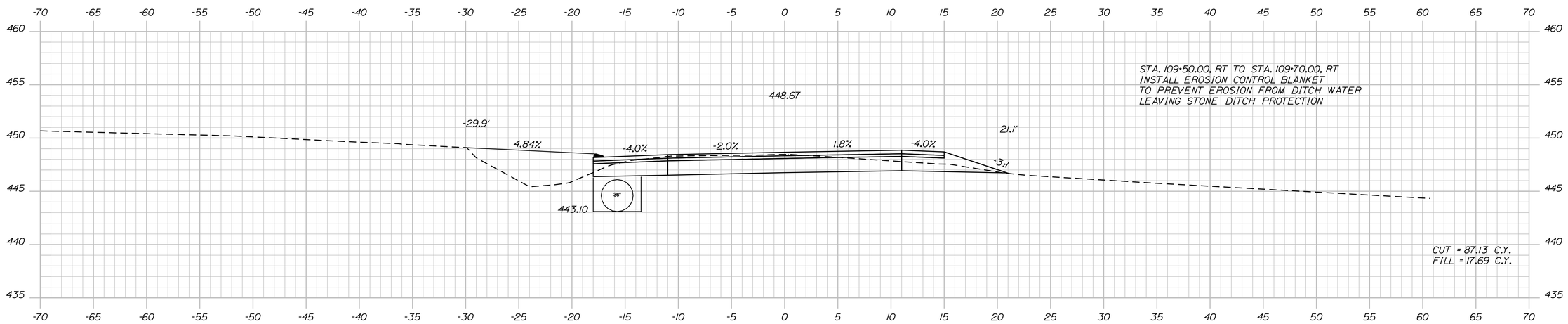
Filename: ...\167_Xsect_FINAL Section 2_109+00_0#Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



110+50.00



110+00.00



109+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$designer1$	$proj.date1$
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$

SIGNATURE	P.E. NUMBER	DATE
-----	$revdate1$	$revdate1$
-----	$revdate2$	$revdate2$
-----	$revdate3$	$revdate3$
-----	$revdate4$	$revdate4$
-----	$fielddate$	$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

168

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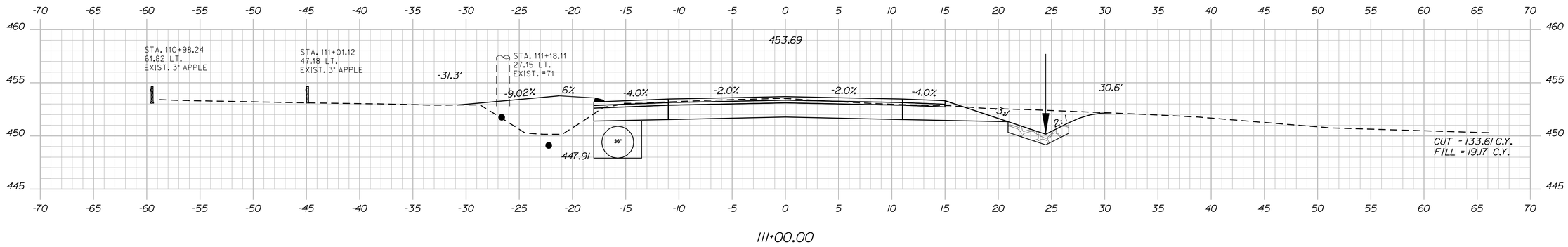
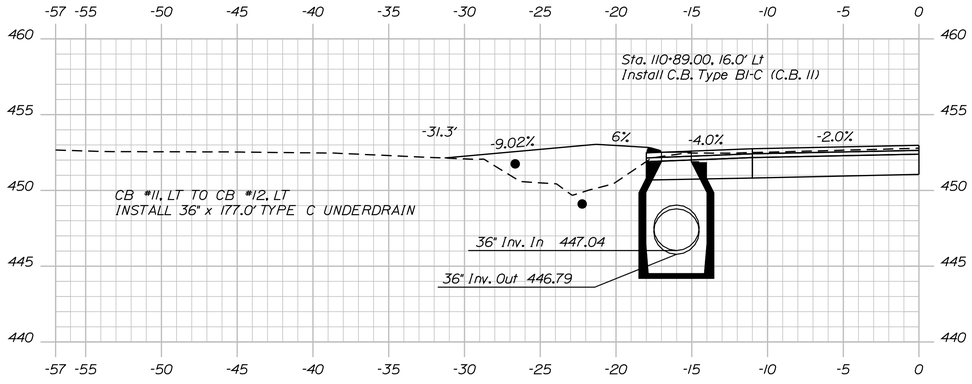
Sta. 109+50.00 to Sta. 110+50.00

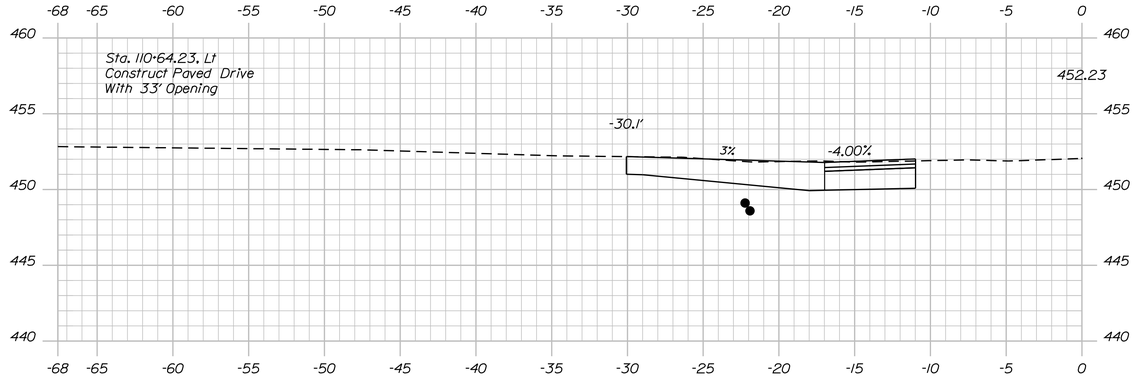
Filename: ...\168_Xsect_FINAL Section 2_109+50_0@2.dgn Username: natasha.m.collins Date:3/4/2015



111+00.00



110+89.00



110+64.23

Sta. 110+64.23 to Sta. 111+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$datoler1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$datoler2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$datoler3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	_____	_____	$revdate2$
REVISIONS 3	$revision3$	_____	$revdate3$
REVISIONS 4	$revision4$	_____	$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

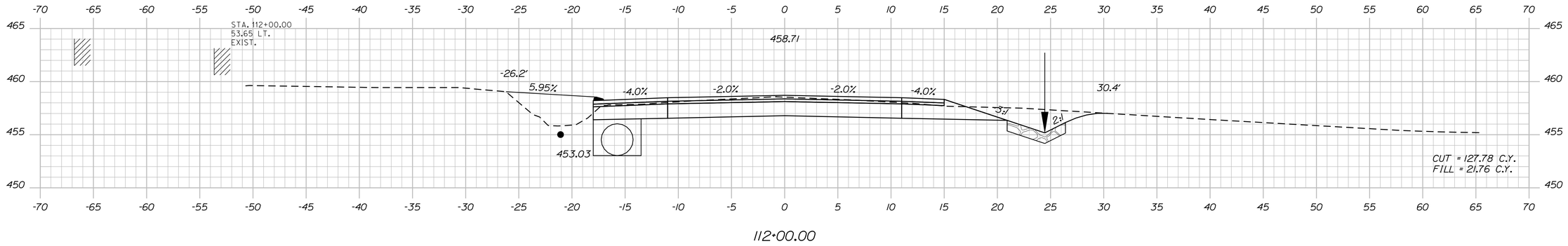
CROSS SECTIONS

SHEET NUMBER

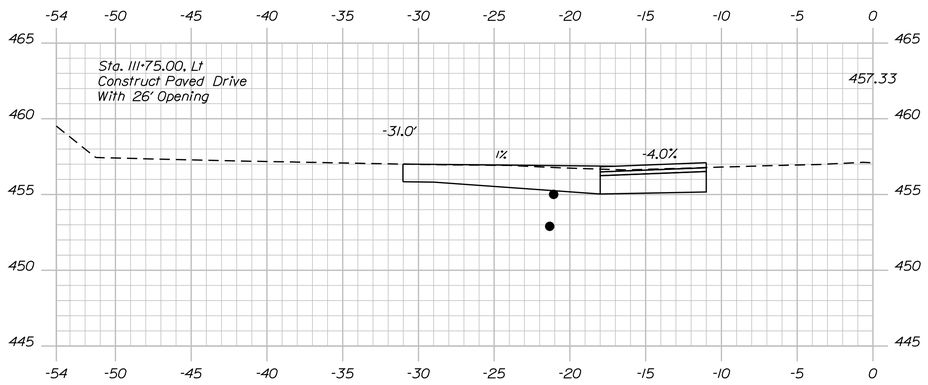
169

OF 329

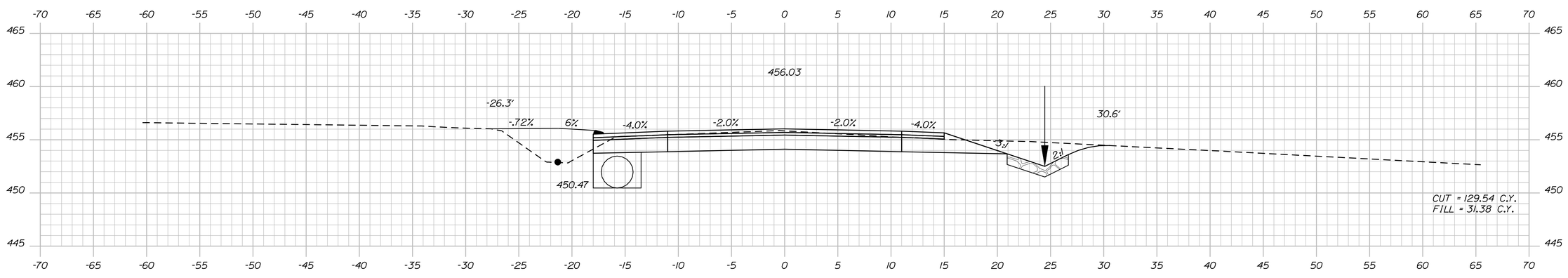
Filename: ...\169_Xsect_FINAL Section 2_110+64_04Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



112+00.00



111+75.00



111+50.00

Sta. 111+50.00 to Sta. 112+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

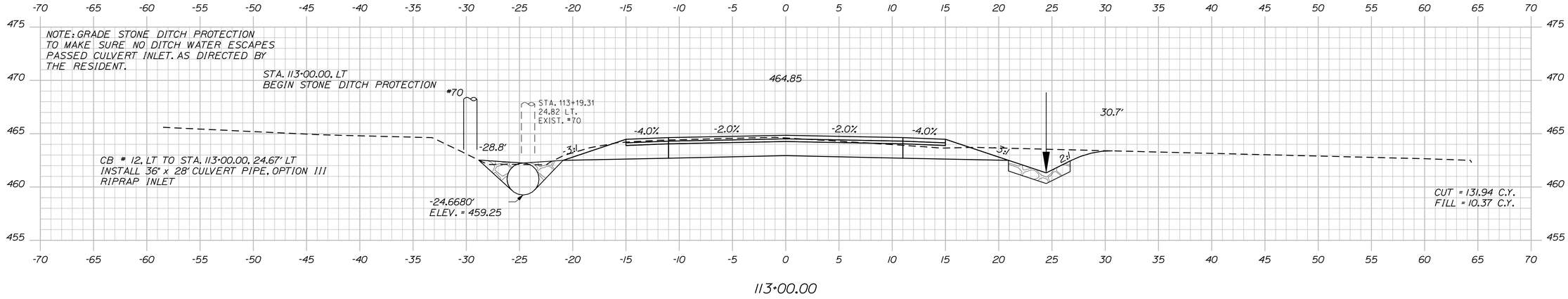
CROSS SECTIONS

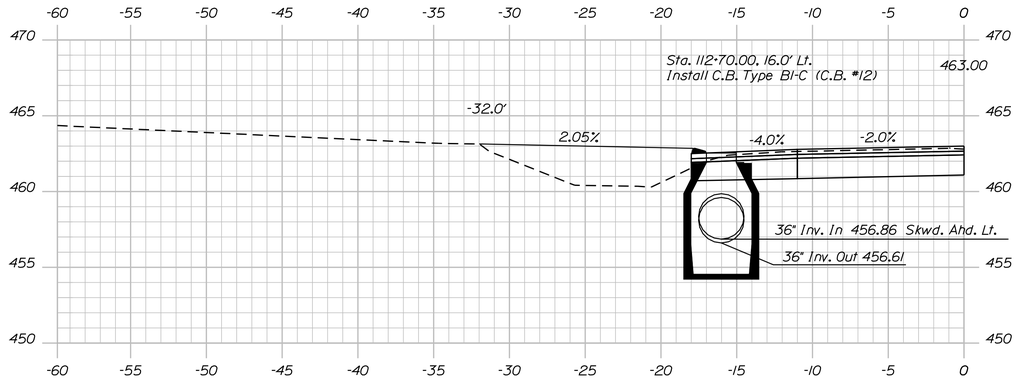
SHEET NUMBER

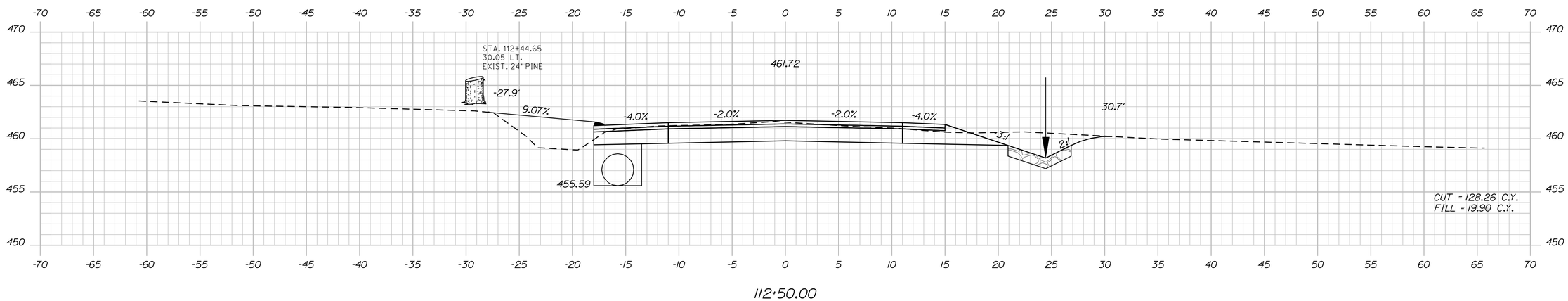
170

OF 329

Filename: ...\170_Xsect_FINAL Section 2_111+50_0400.dgn Design: HIGHWAY Date:3/4/2015 Username: natasha.m.collins







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

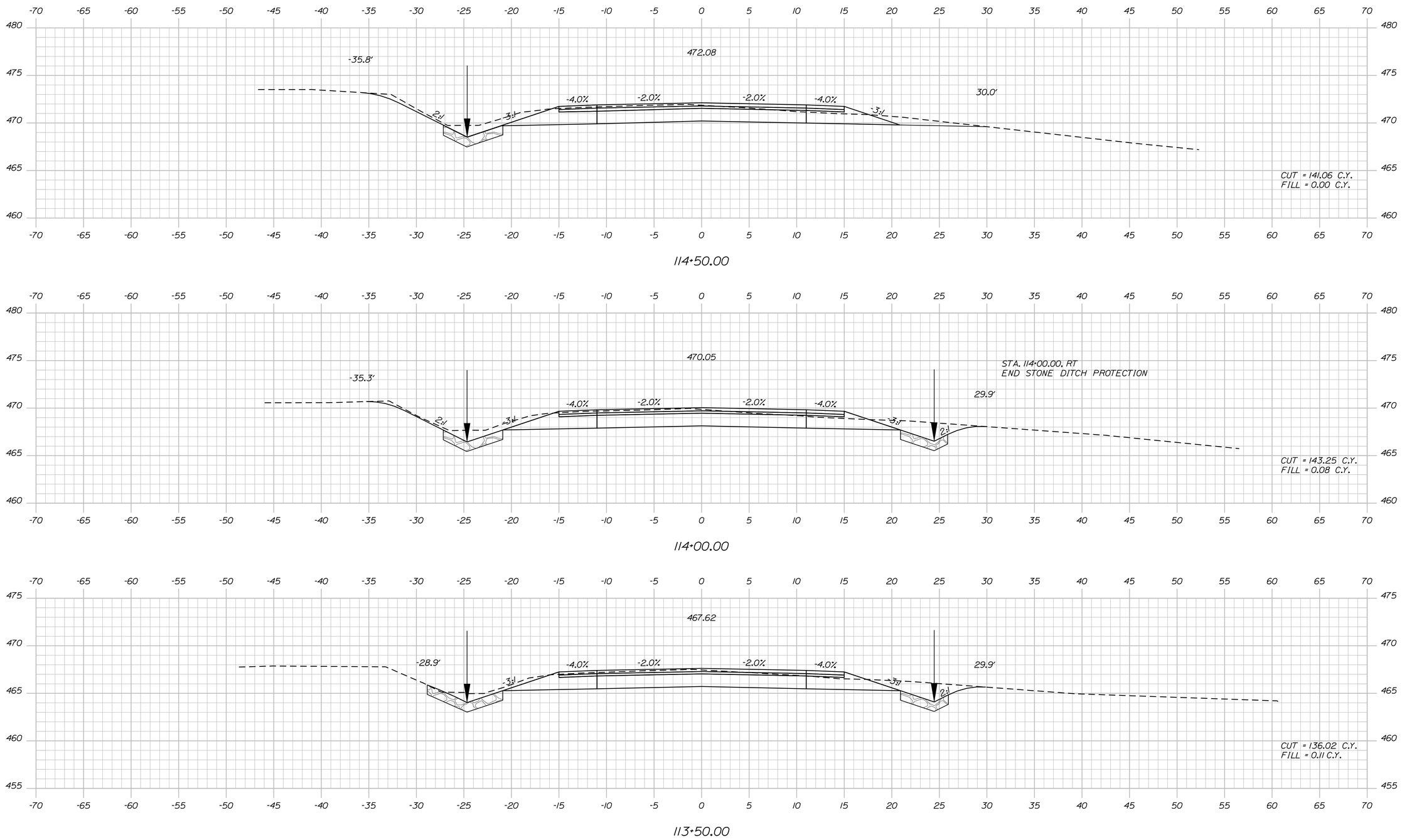
SHEET NUMBER

171

OF 329

Sta. 112+50.00 to Sta. 113+00.00

Username: natasha.m.collins Date:3/4/2015
Filename: ...\171_Xsect_FINAL Section 2_112+50_045.dgn Division: HIGHWAY



Filename: ...\172_Xsect_FINAL Section 2_113+50_00.dgn Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
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CROSS SECTIONS

SHEET NUMBER

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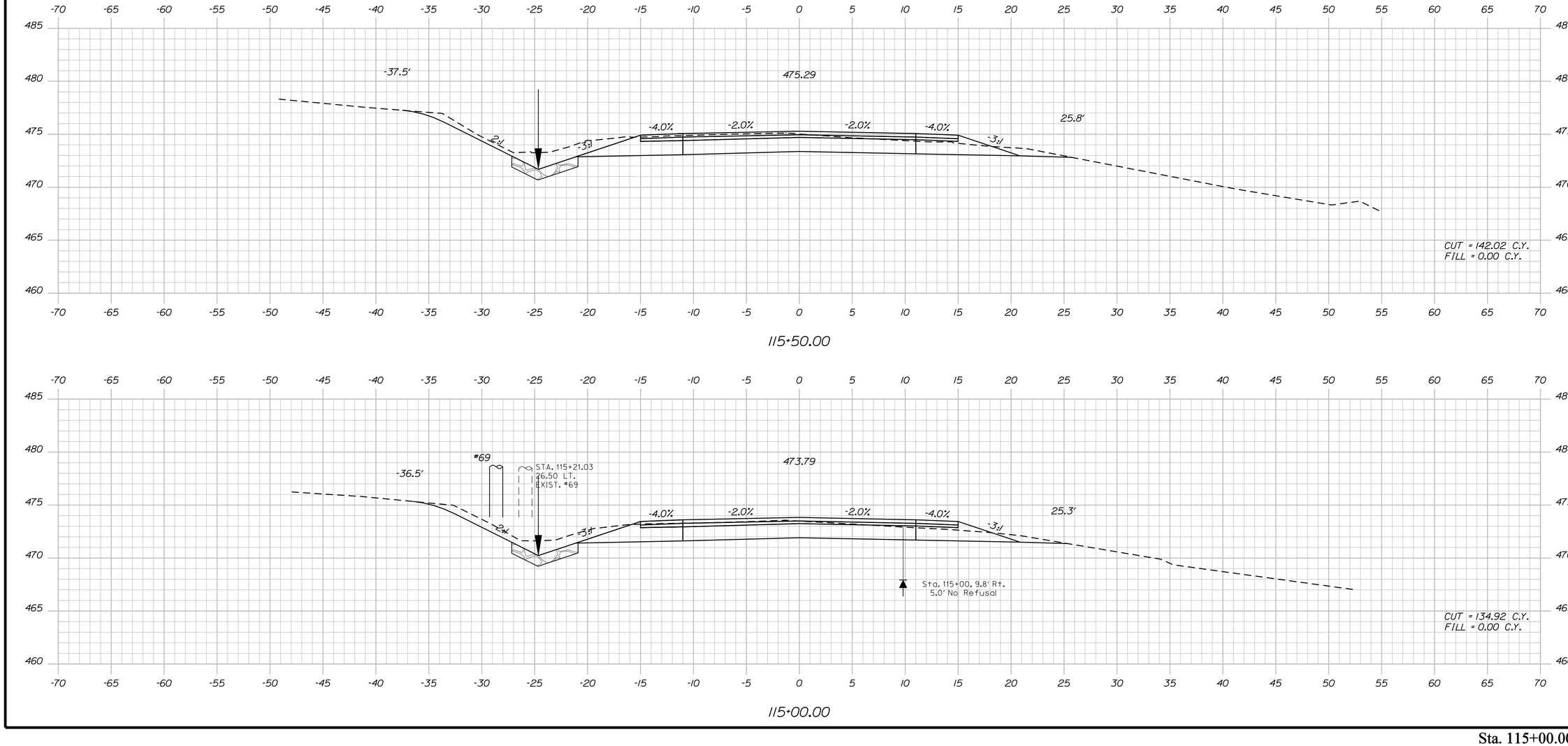
OF 329

Sta. 113+50.00 to Sta. 114+50.00



Sta. 115+00.00 to Sta. 115+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$ P.E. NUMBER
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

CARIBOU
STATE ROUTE 161

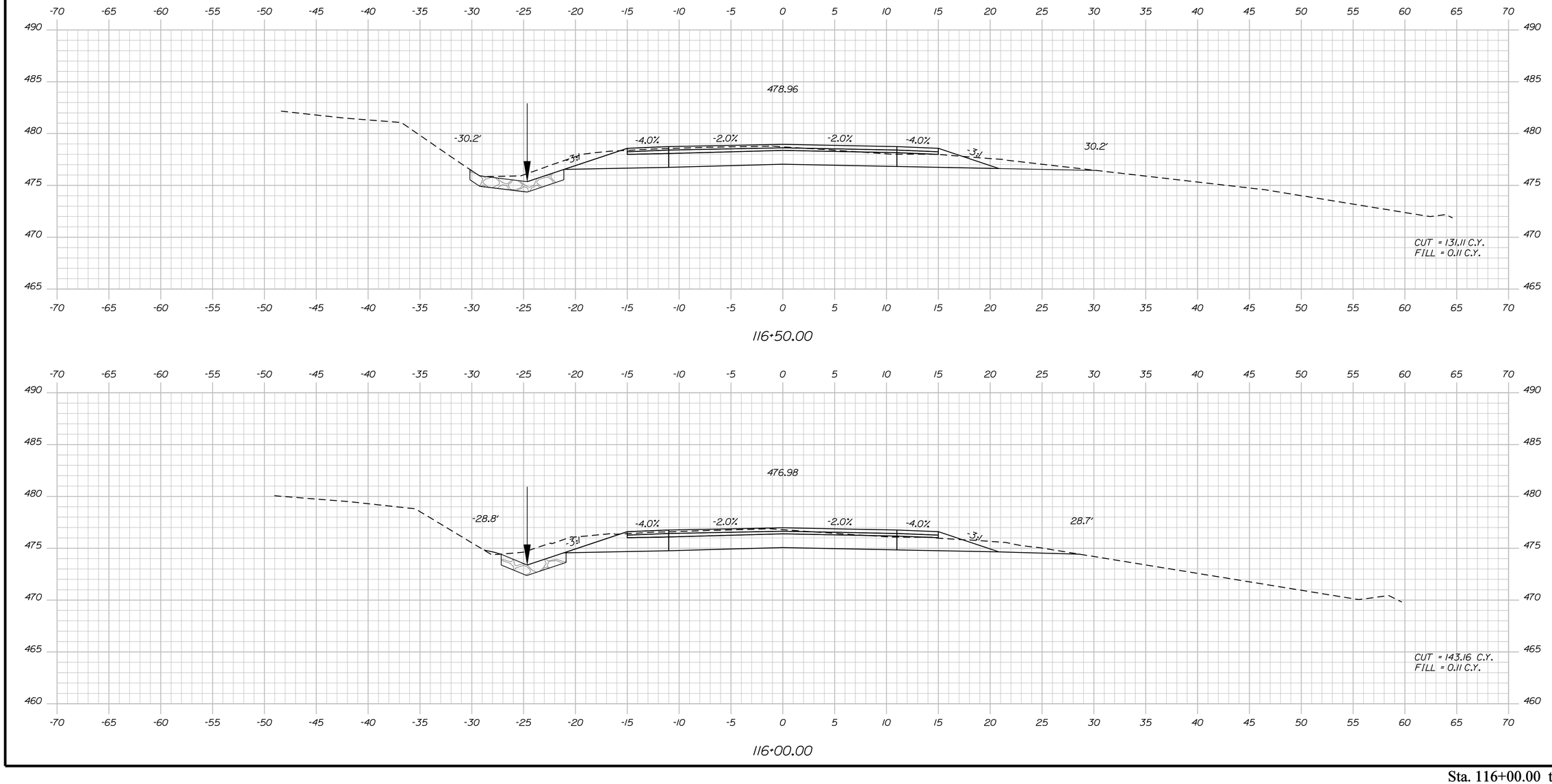
CROSS SECTIONS

SHEET NUMBER

173

OF 329

Filename: ...\173_Xsect_FINAL Section 2_115+00_0700.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

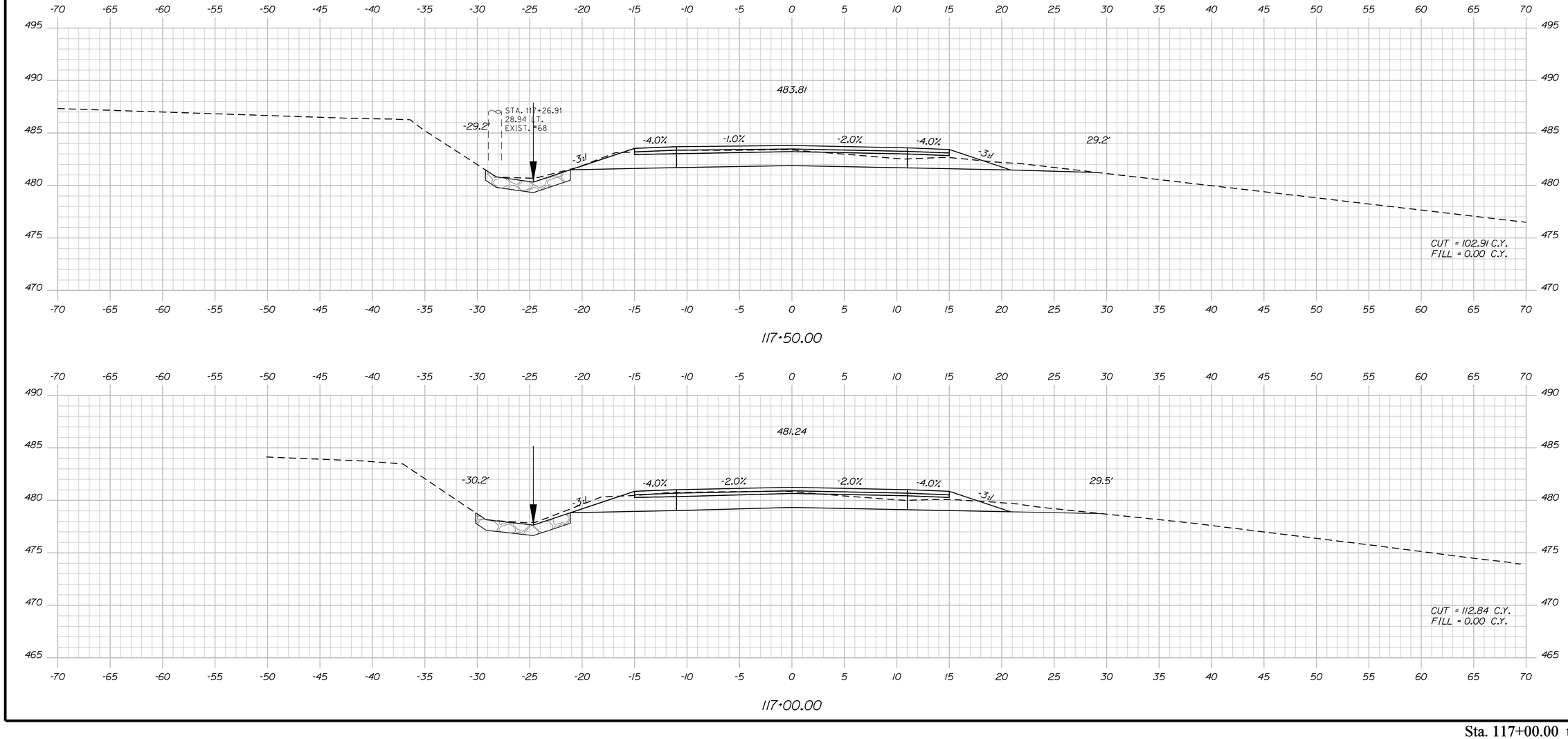
SHEET NUMBER

174

OF 329

Sta. 116+00.00 to Sta. 116+50.00

Filename: ...\174_Xsect_FINAL Section 2_116+00_04.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

175

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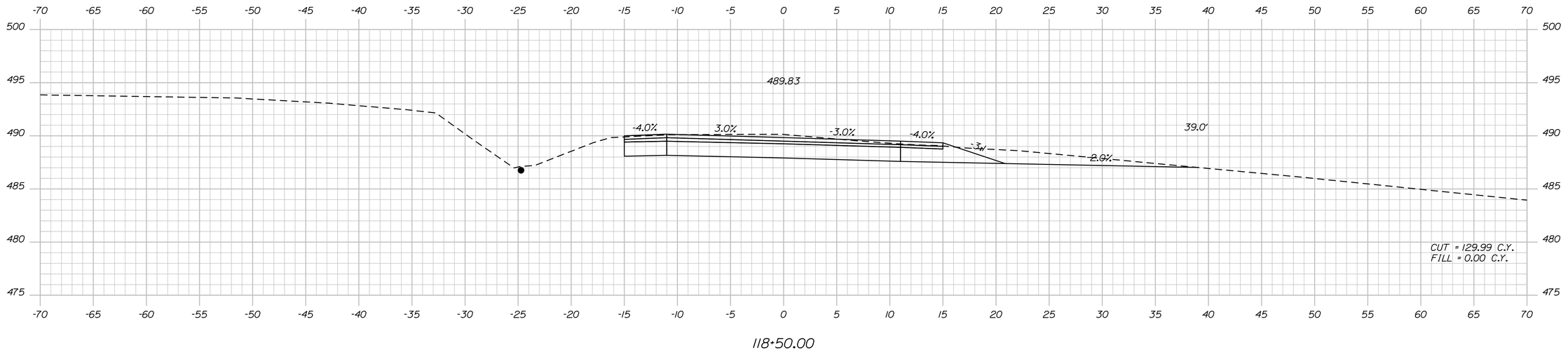
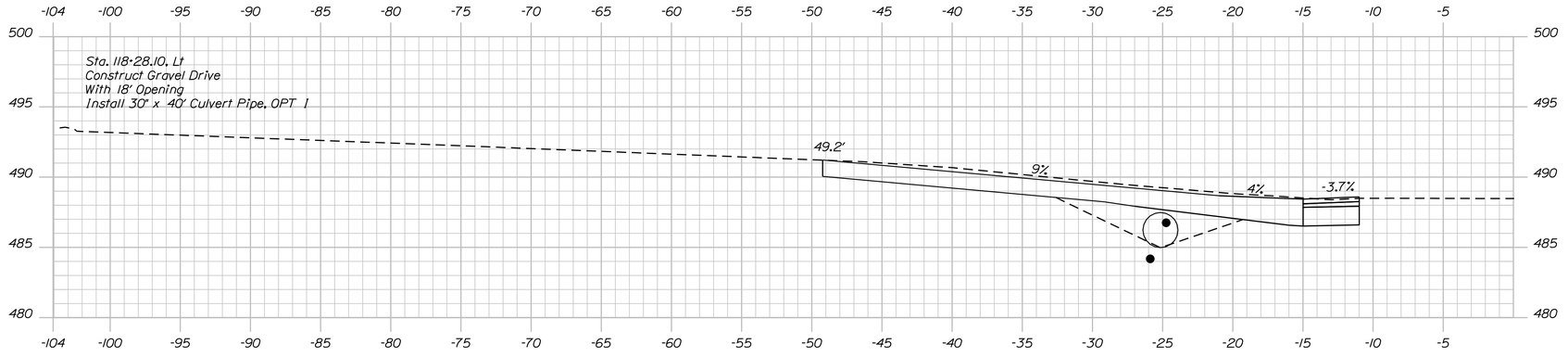
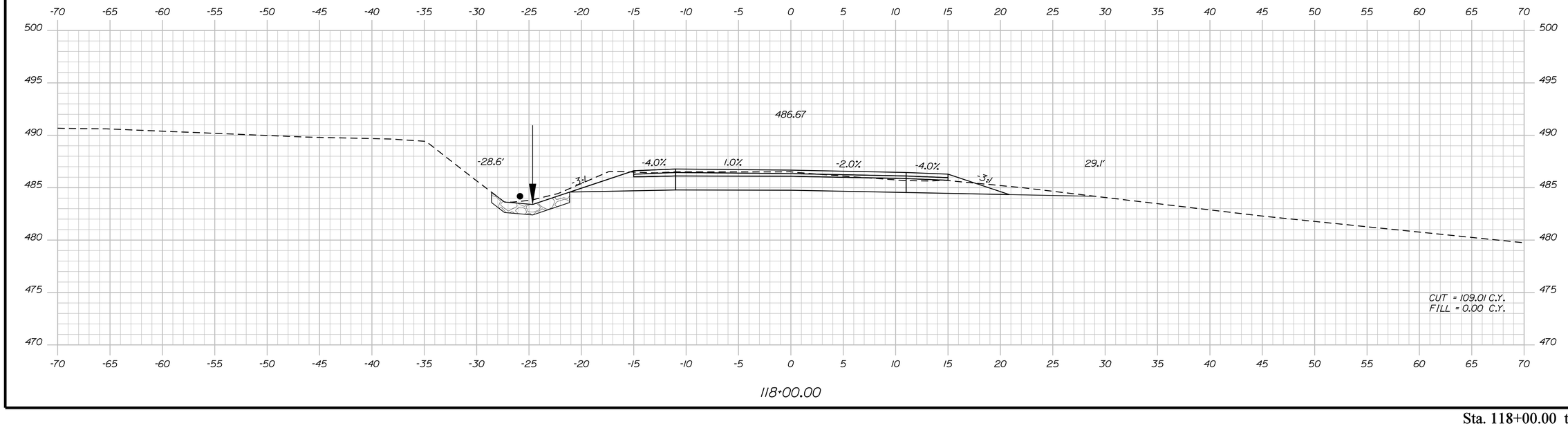
Sta. 117+00.00 to Sta. 117+50.00

Filename: ...\175_Xsect_FINAL Section 2_117+00_04.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$ DATE
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

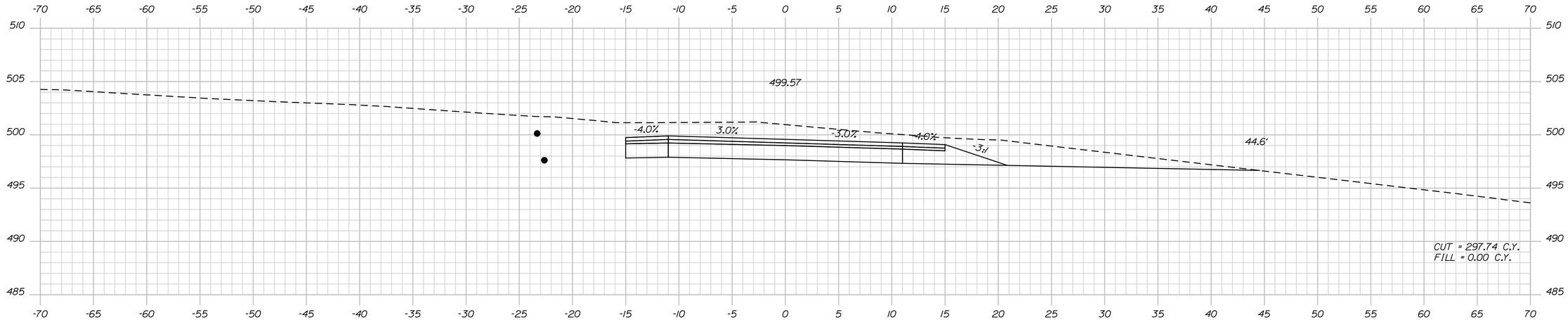
SHEET NUMBER

176

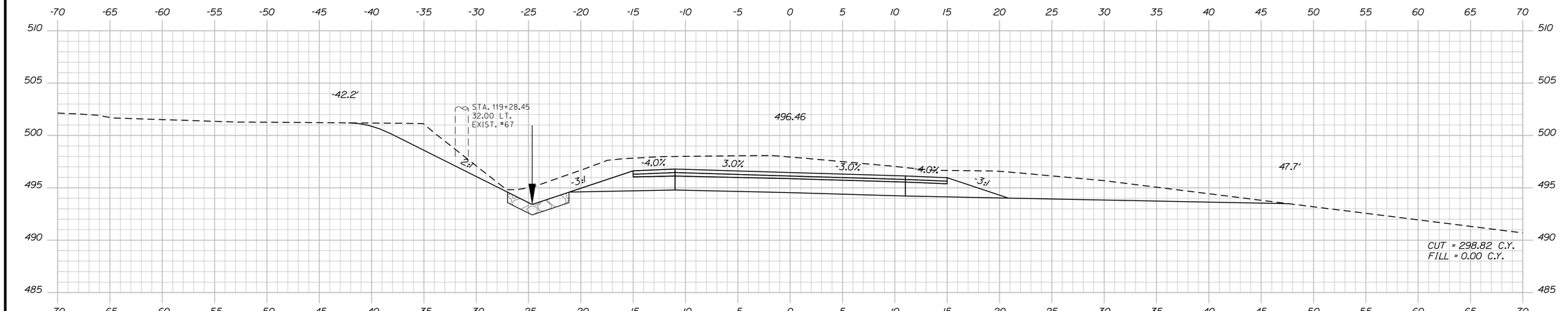
OF 329

Sta. 118+00.00 to Sta. 118+50.00

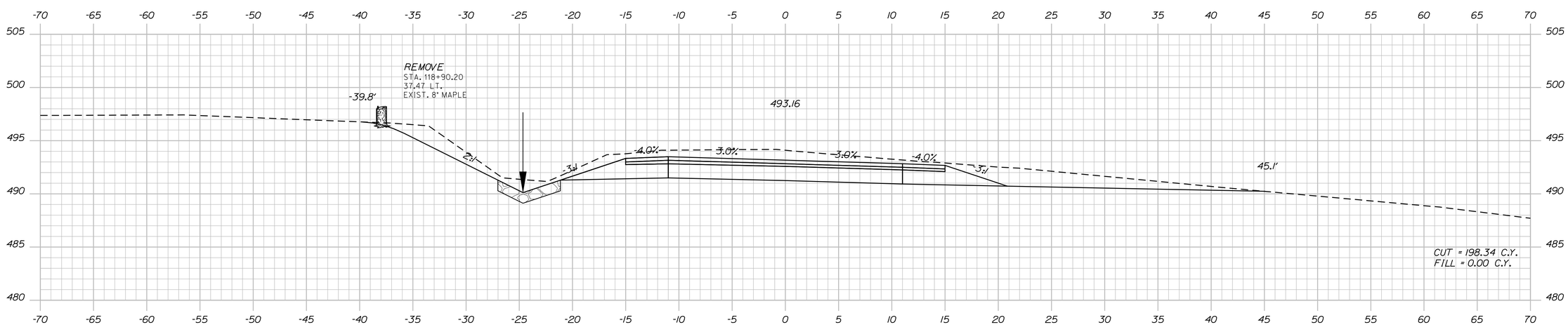
Filename: ...\176_Xsect_FINAL Section 2_118+00_05Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



120+00.00



119+50.00



119+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

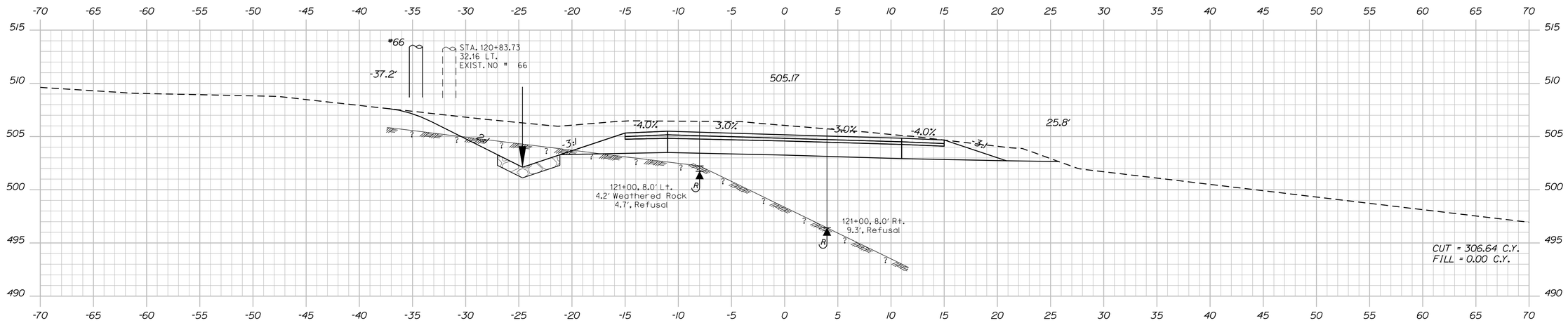
SHEET NUMBER

177

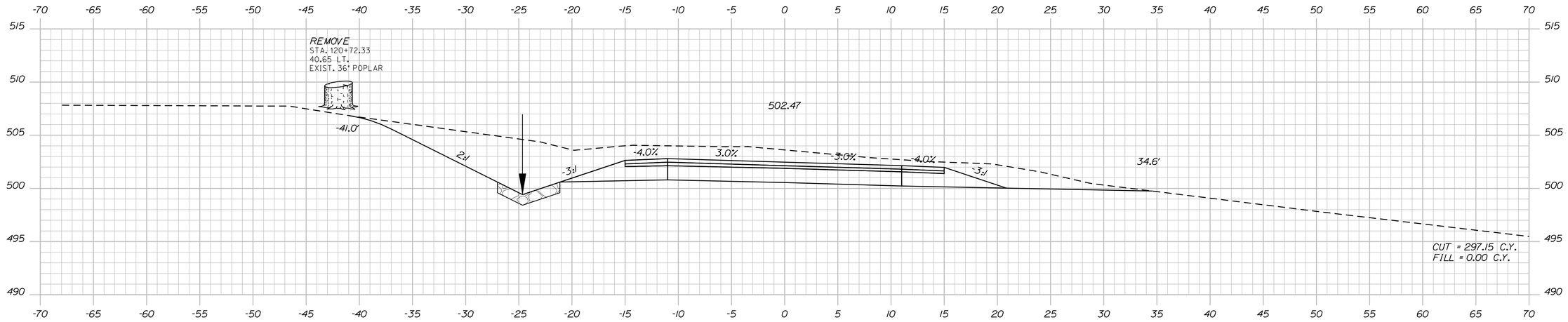
OF 329

Filename: ...\177_Xsect_FINAL Section 2_119+00_05.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

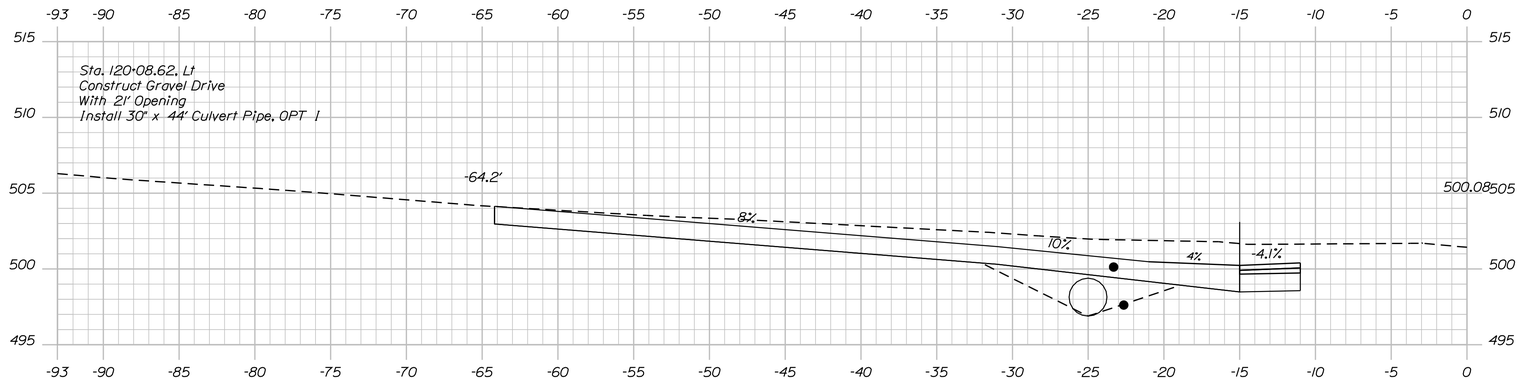
Sta. 119+00.00 to Sta. 120+00.00



121+00.00



120+50.00



120+08.62

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED $designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED ------	------	------
DESIGN2-DETAILED2 $designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3 $designer3$	$detailer3$	$projdate3$
REVISIONS 1 ------		$revdate1$
REVISIONS 2 ------		$revdate2$
REVISIONS 3 $revision3$		$revdate3$
REVISIONS 4 $revision4$		$revdate4$
FIELD CHANGES $fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

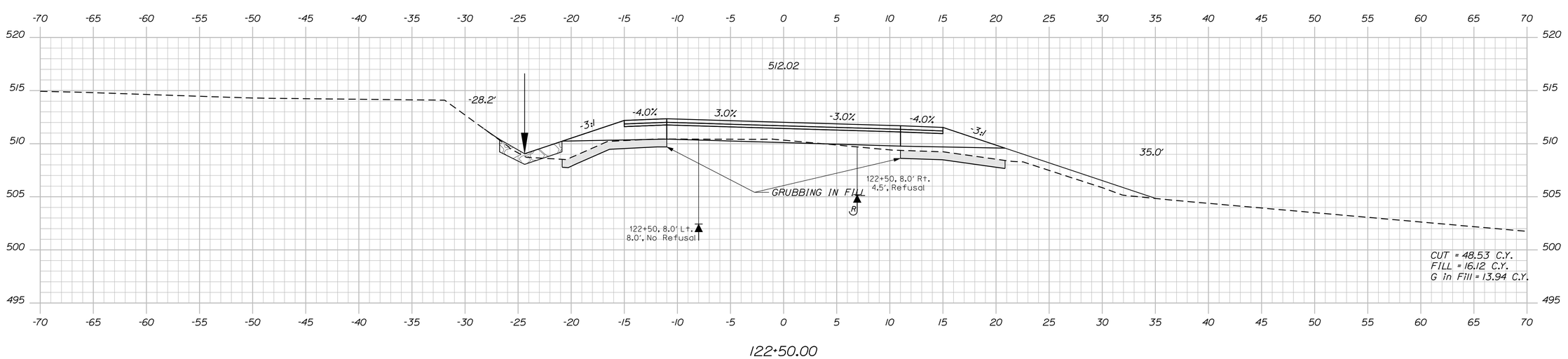
178

OF 329

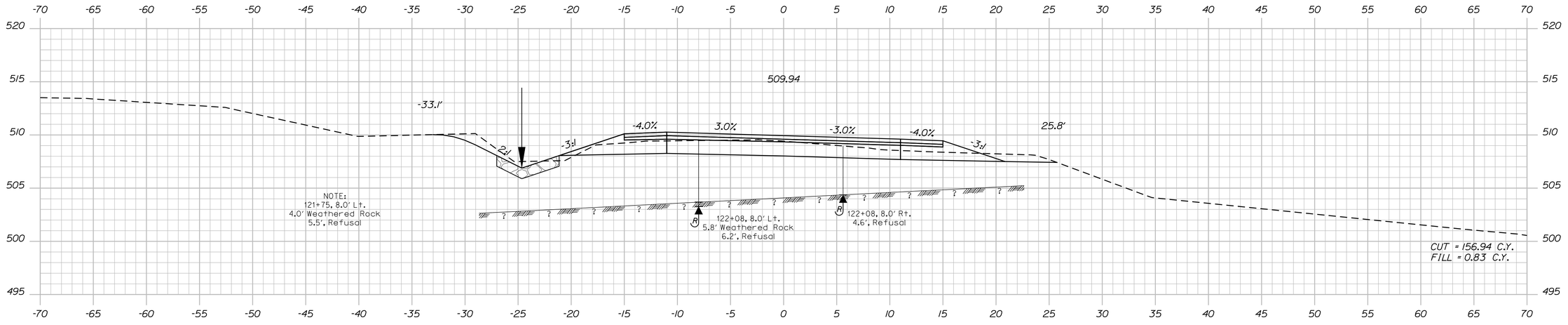
Filename: ...\178_Xsect_FINAL Section 2_120+08_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 120+08.62 to Sta. 121+00.00

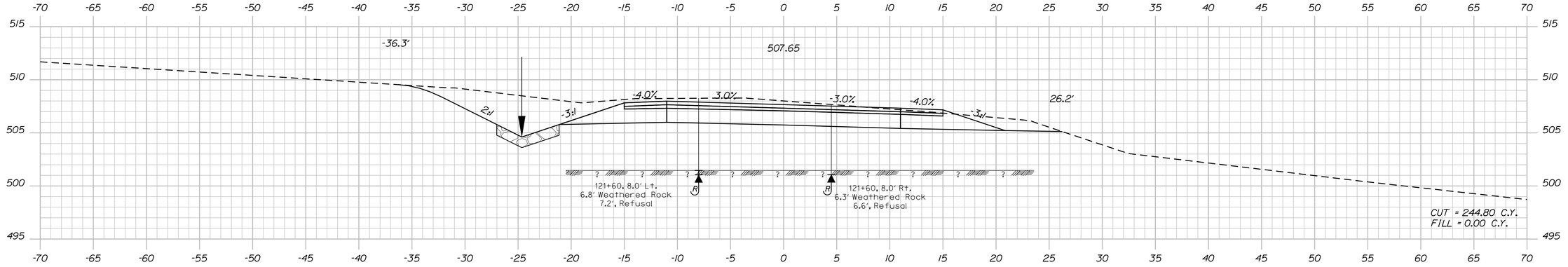
Filename: ...\179_Xsect_FINAL Section 2_121+50_05Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



122+50.00



122+00.00



121+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision4$		$revdate3$
REVISIONS 4	$revision5$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

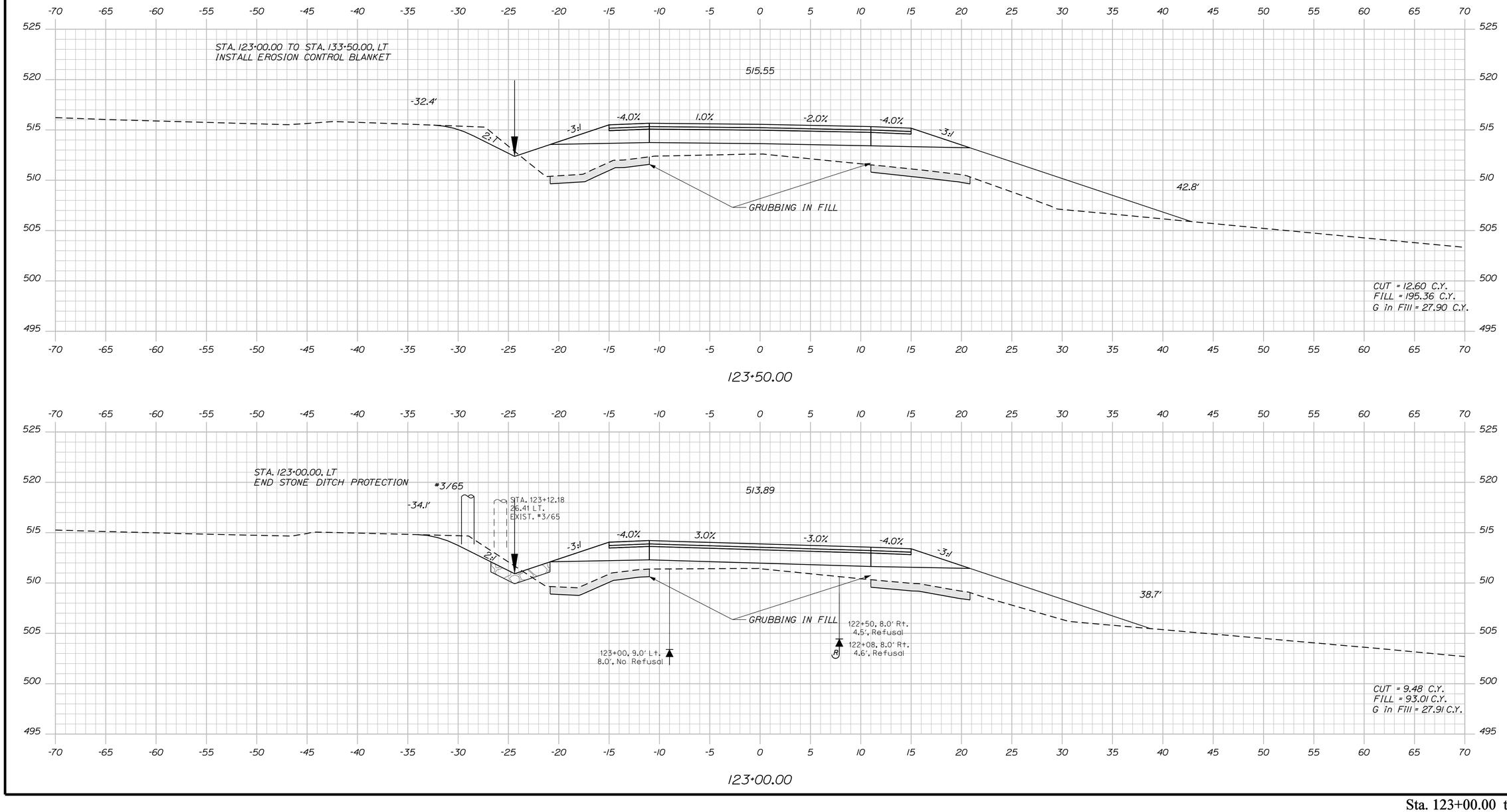
SHEET NUMBER

179

OF 329

Sta. 121+50.00 to Sta. 122+50.00

Filename: ...\180_Xsect_FINAL Section 2_123+00_0Bridge: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$dateUser1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$dateUser2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$dateUser3$	$proj date3$
REVISIONS 1	-----	$revdate1$	
REVISIONS 2	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

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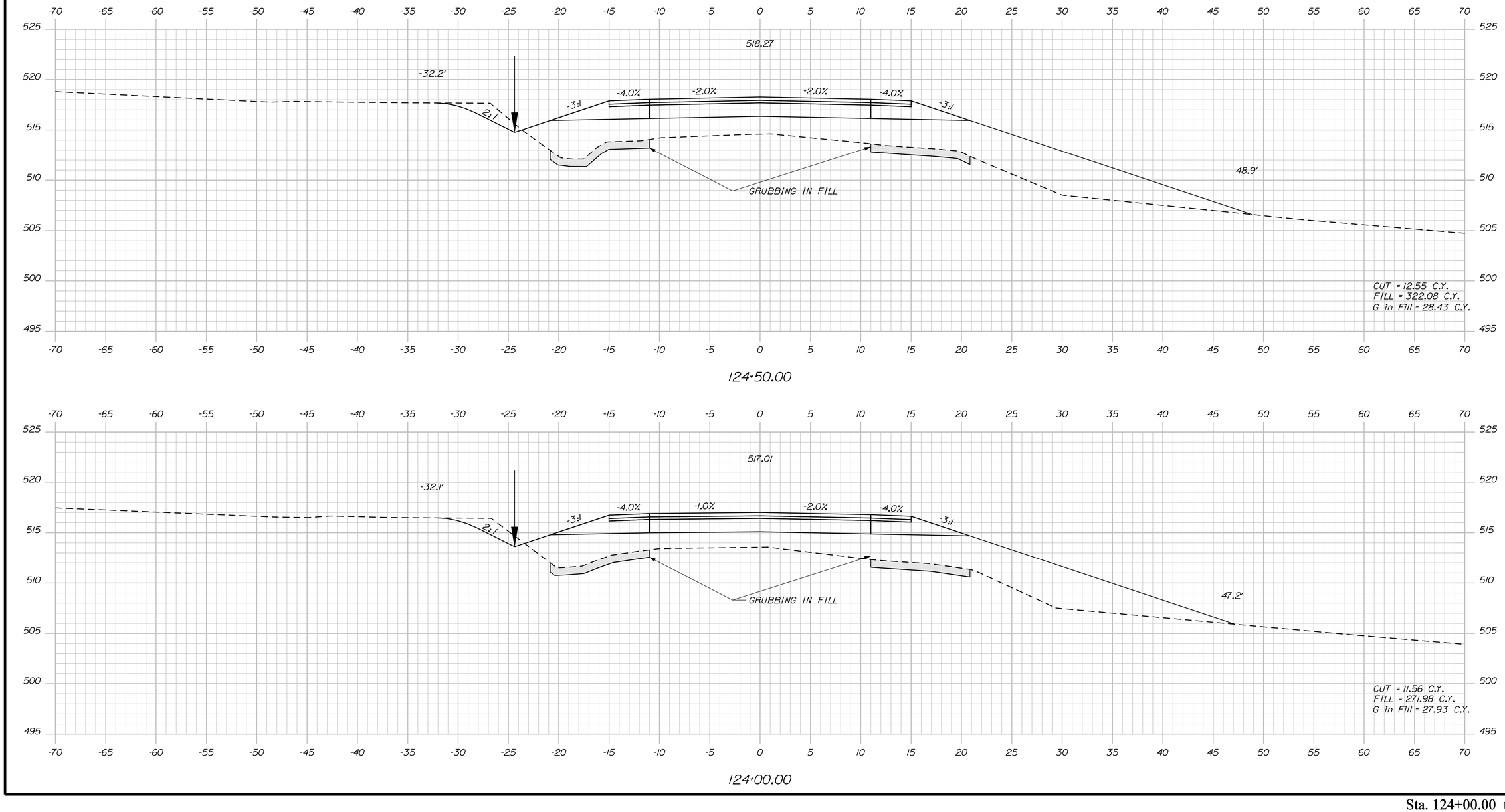
Sta. 123+00.00 to Sta. 123+50.00



Sta. 124+00.00 to Sta. 124+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

CARIBOU
STATE ROUTE 161

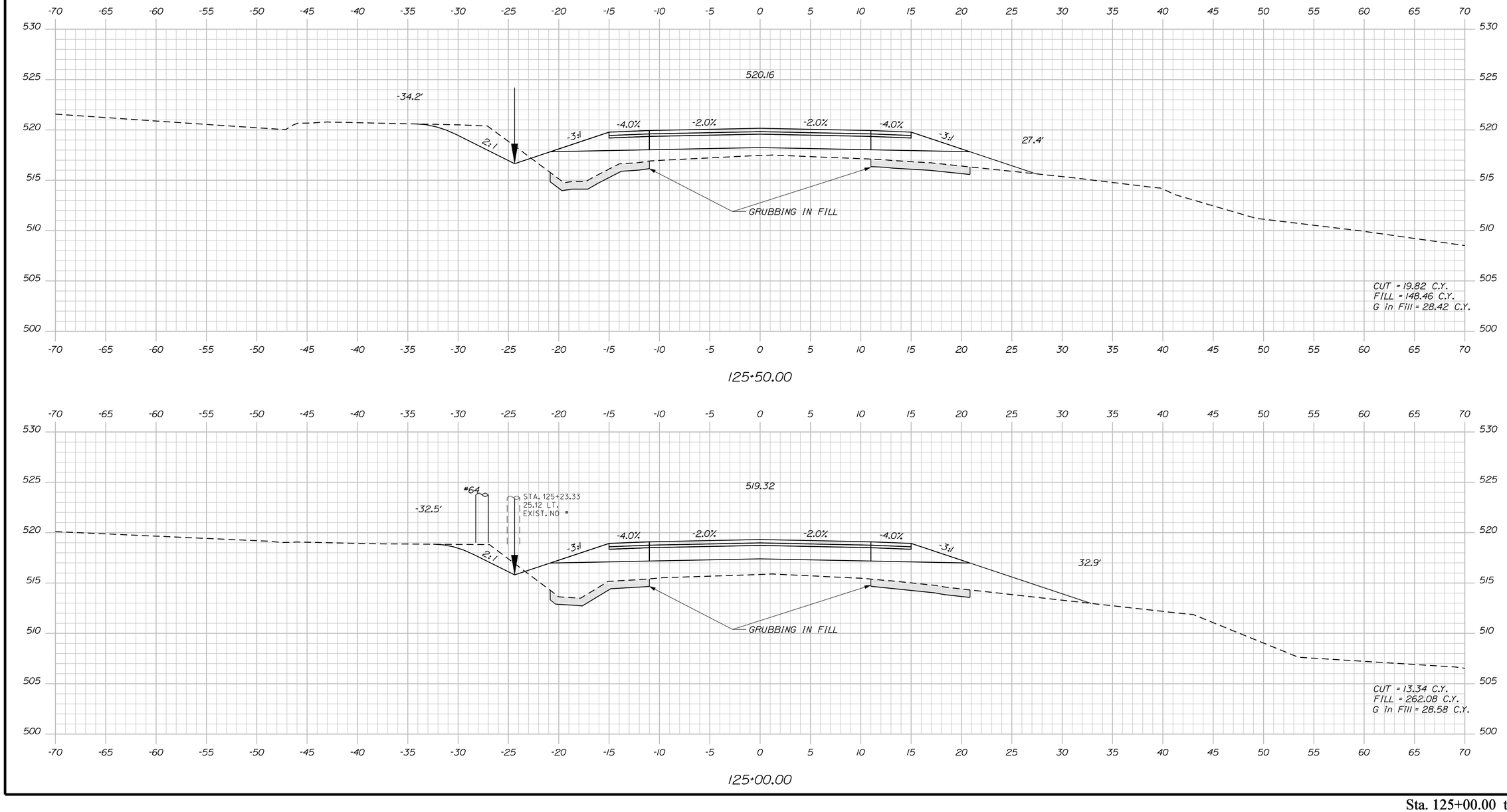
CROSS SECTIONS

SHEET NUMBER

181

OF 329

Filename: ...\181_Xsect_FINAL Section 2_124+00_05.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$ DATE
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

182

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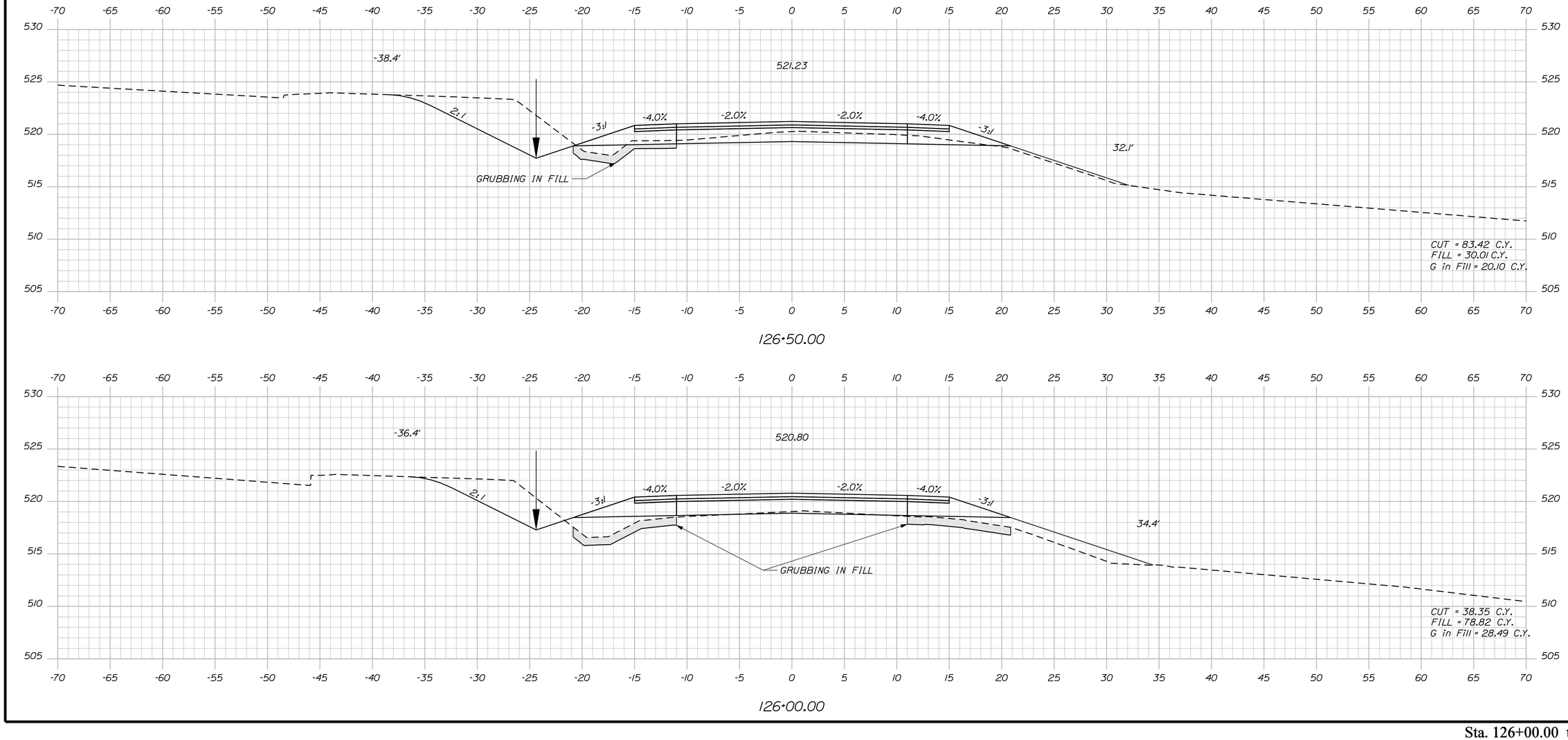
Sta. 125+00.00 to Sta. 125+50.00

Filename: ...\182_Xsect_FINAL Section 2_125+00_0Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdetail1$	$revdate1$
REVISIONS 2	-----	$revdetail2$	$revdate2$
REVISIONS 3	$revision3$	$revdetail3$	$revdate3$
REVISIONS 4	$revision4$	$revdetail4$	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

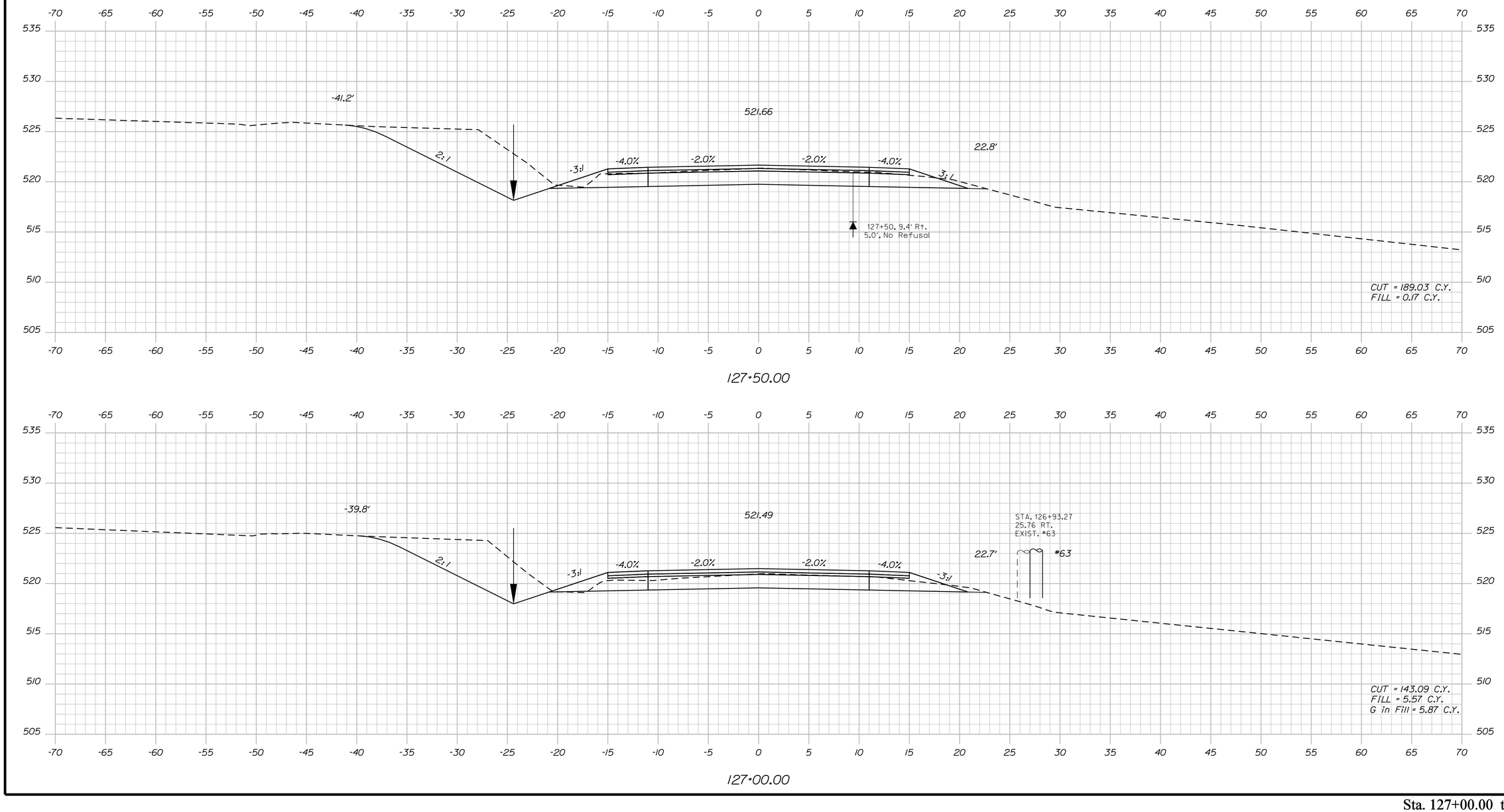
183

OF 329

Sta. 126+00.00 to Sta. 126+50.00

Filename: ...\183_Xsect_FINAL Section 2_126+00_0B.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY

Filename: ...\184_Xsect_FINAL Section 2_127+00_OBridge.dgn Username: natasha.m.collins Date:3/4/2015



Sta. 127+00.00 to Sta. 127+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$
REVISIONS 1	-----	$revdate1$	$revdate1$
REVISIONS 2	-----	$revdate2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

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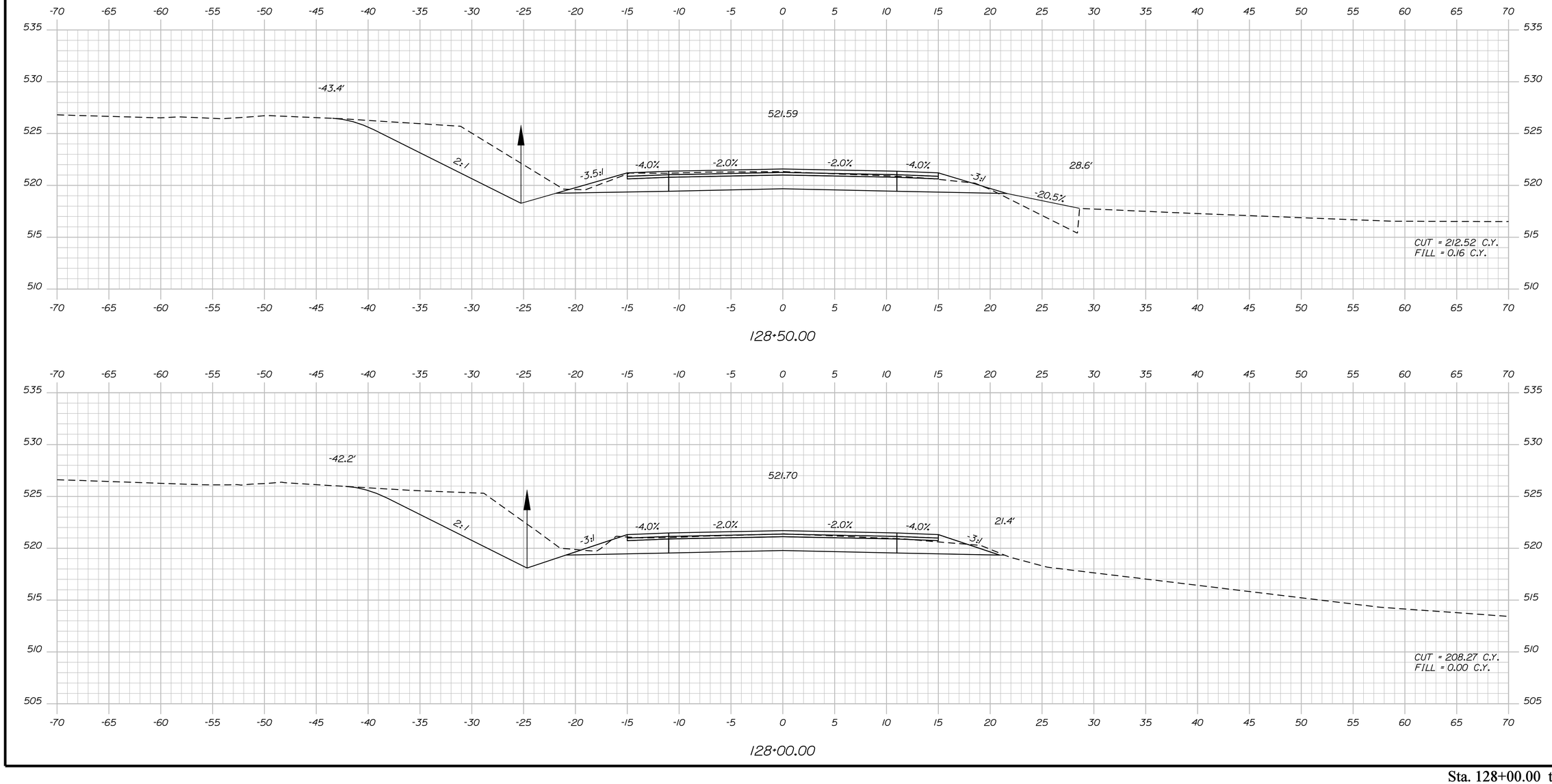

PROJ. MANAGER	$projmanager$		
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$
REVISIONS 1	-----	$revision1$	$revdate1$
REVISIONS 2	-----	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

STATE OF MAINE
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HIGHWAY PLANS

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P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

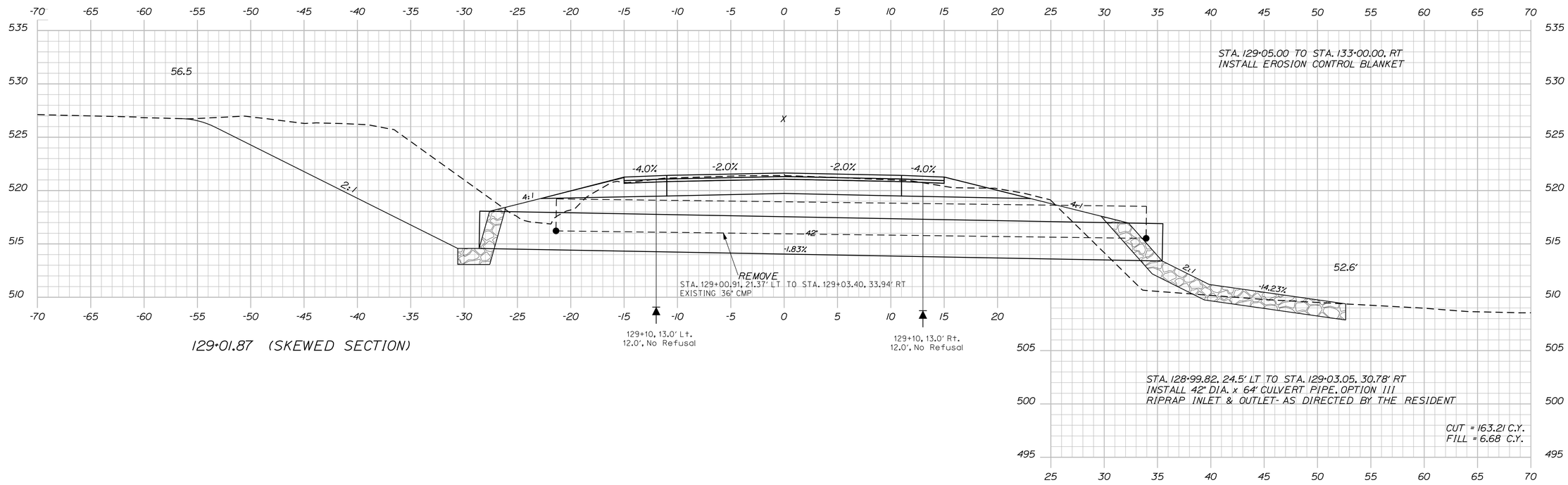
SHEET NUMBER

185

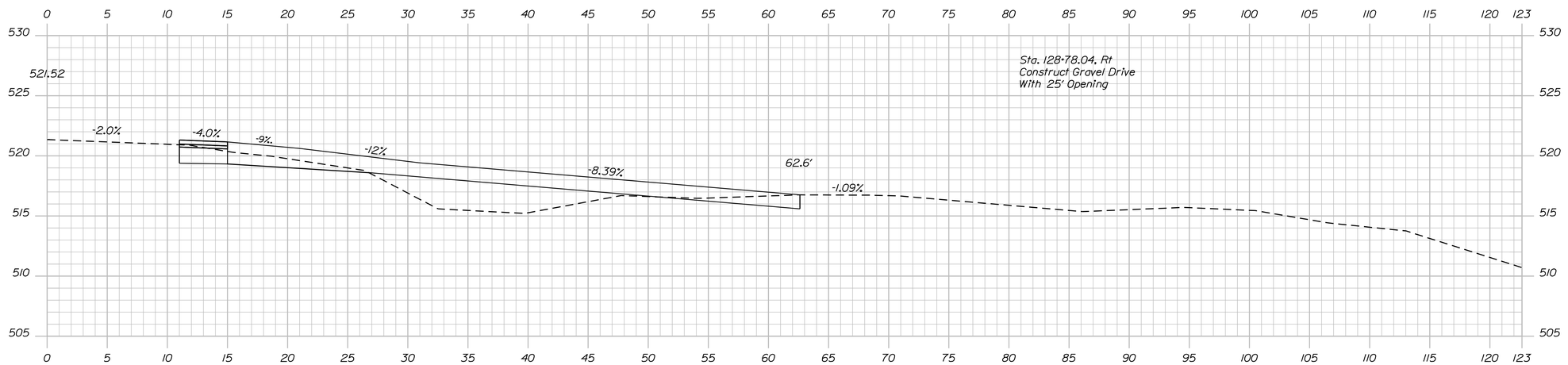
OF 329

Sta. 128+00.00 to Sta. 128+50.00

Filename: ...\185_Xsect_FINAL Section 2_128+00_0BBdgn: HIGHWAY Username: natasha.m.collins Date:3/4/2015



129+01.87 (SKEWED SECTION)



128+78.04

Sta. 128+78.04 to Sta. 129+01.87

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$	-----	$revdate3$
REVISIONS 3	$revision4$	-----	$revdate4$
REVISIONS 4	$revision5$	-----	$revdate5$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

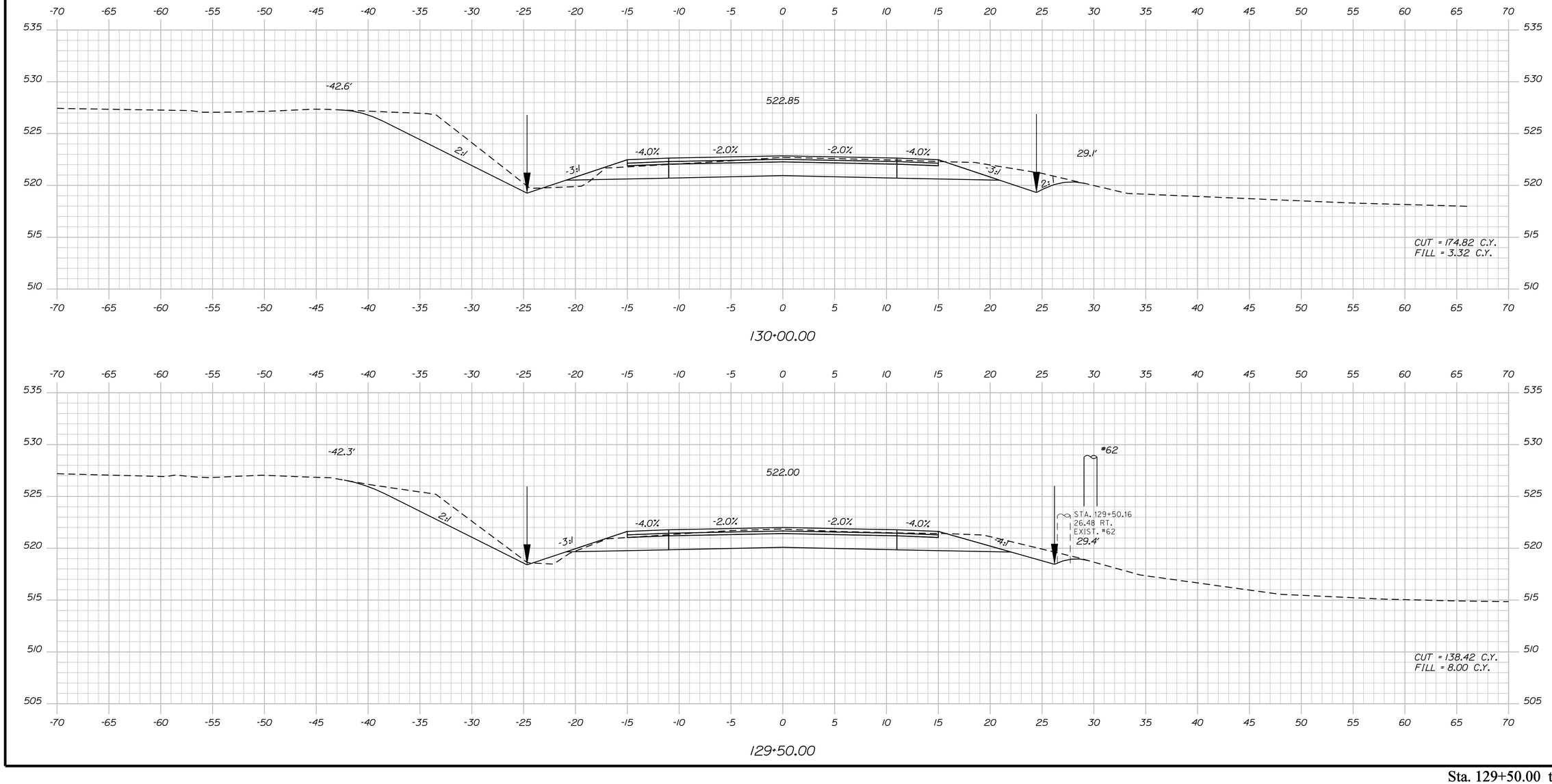
CROSS SECTIONS

SHEET NUMBER

186

OF 329

Filename: ...\186_Xsect_FINAL Section 2_128+78_000.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$projmanager$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

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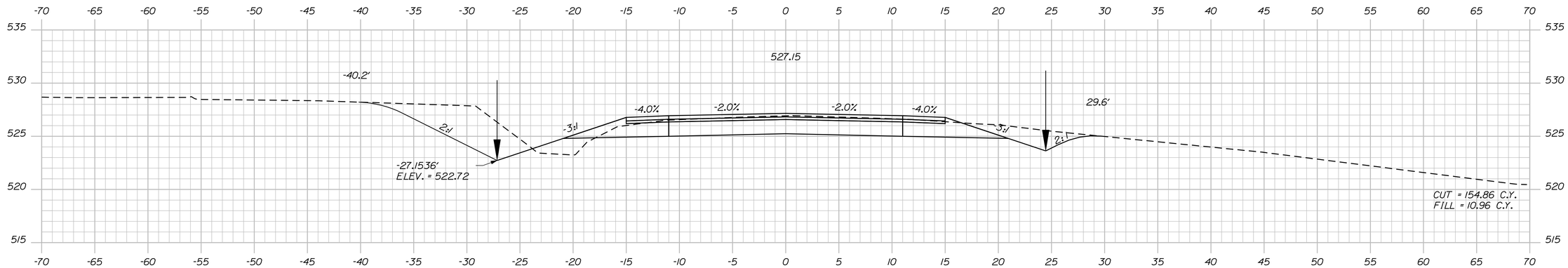
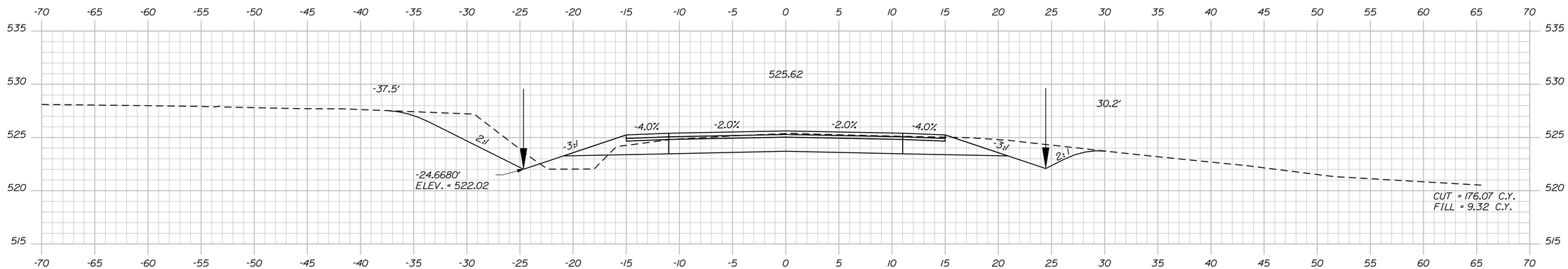
Sta. 129+50.00 to Sta. 130+00.00

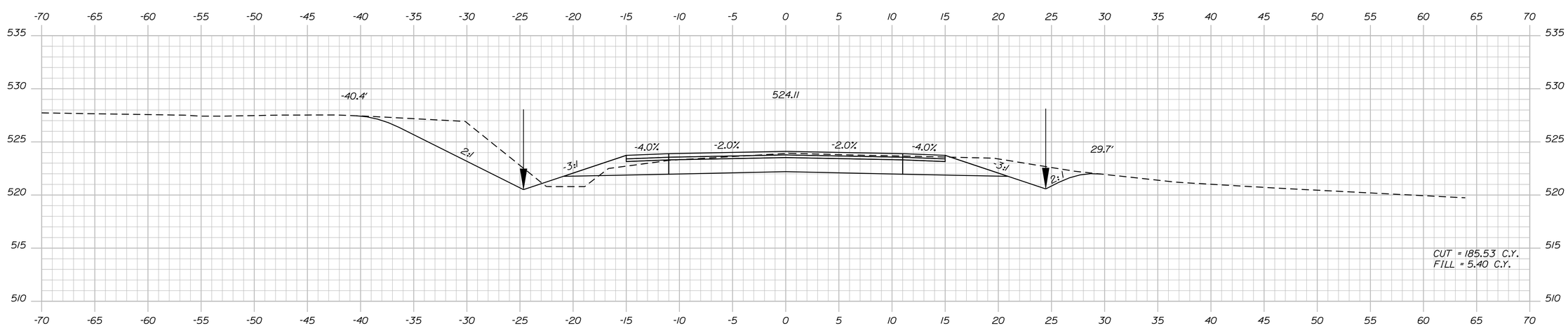
Filename: ...\187_Xsect_FINAL Section 2_129+50_00.dgn Username: natasha.m.collins Date:3/4/2015



131+50.00



131+00.00



130+50.00

STATE OF MAINE
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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

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STATE ROUTE 161

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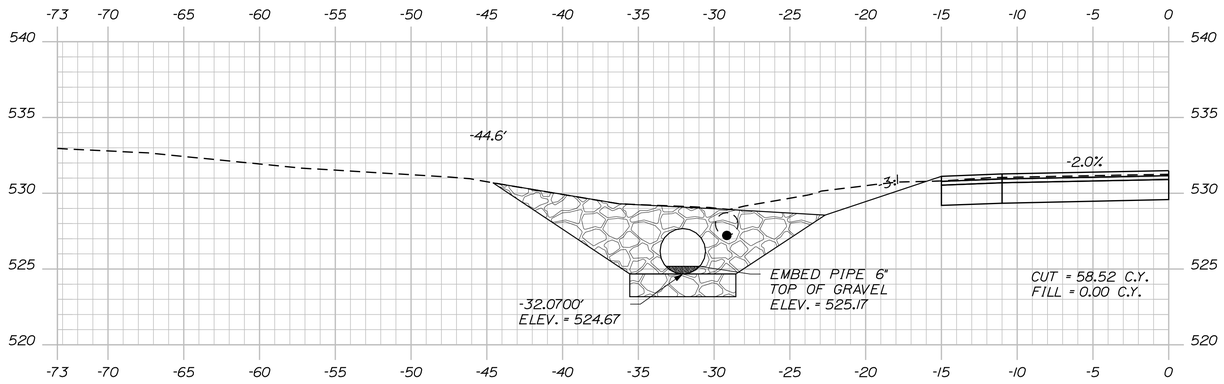
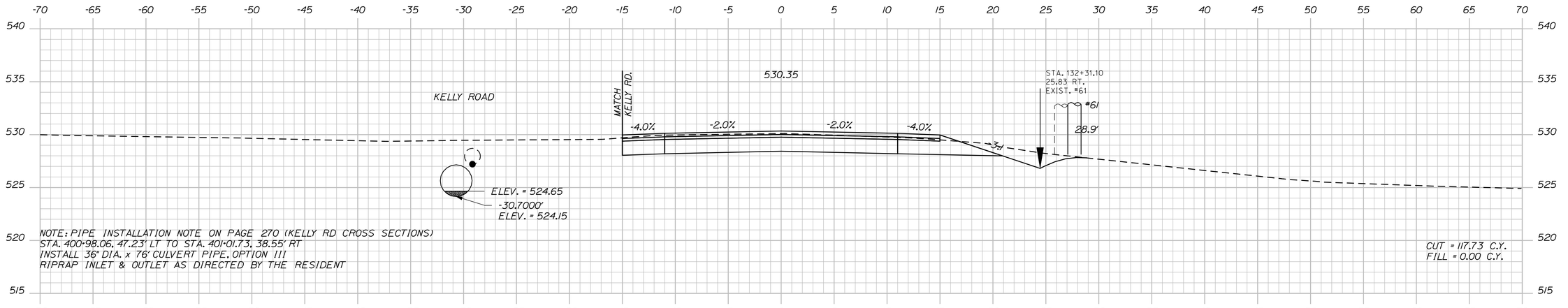
Filename: ...\188_Xsect_FINAL Section 2_130+50_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 130+50.00 to Sta. 131+50.00

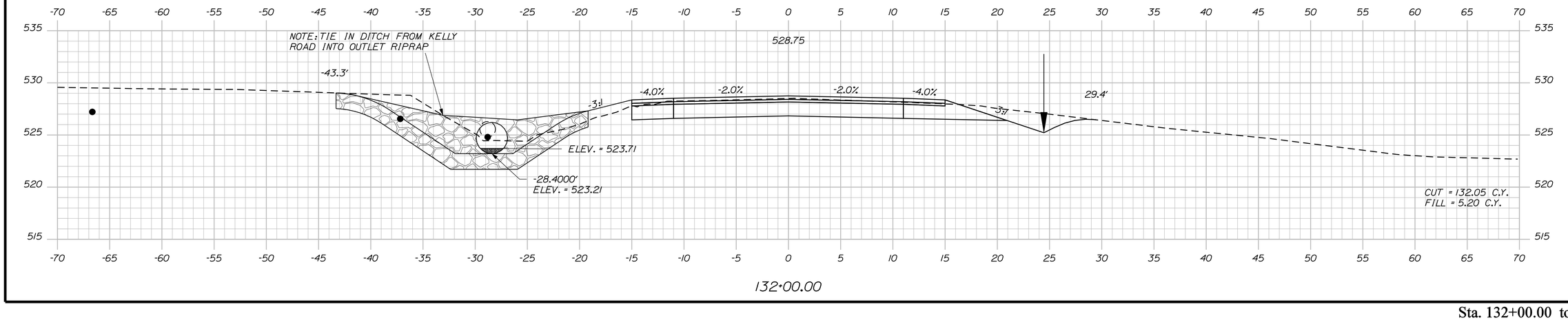


REMOVE
STA. 132+16.58, 28.81' LT TO STA. 132+62.46, 29.16' LT
EXISTING 18" CMP, UNDER KELLY ROAD

132+85.79



132+50.00



132+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$proj.manager$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate3$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

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Sta. 132+00.00 to Sta. 132+85.79

Filename: ...\189_Xsect_FINAL Section 2_132+00_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 133+00.00 to Sta. 134+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

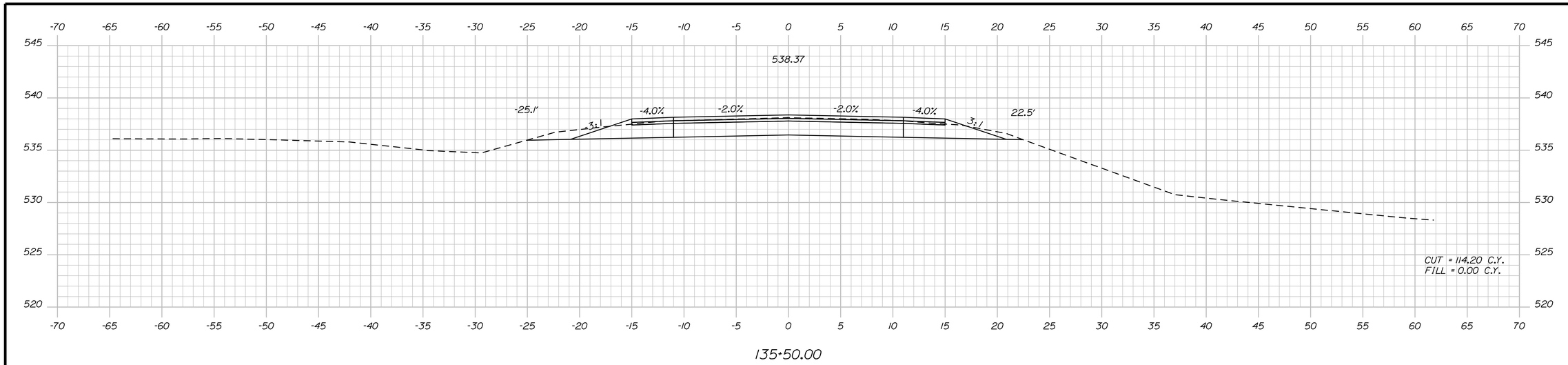
CROSS SECTIONS

SHEET NUMBER

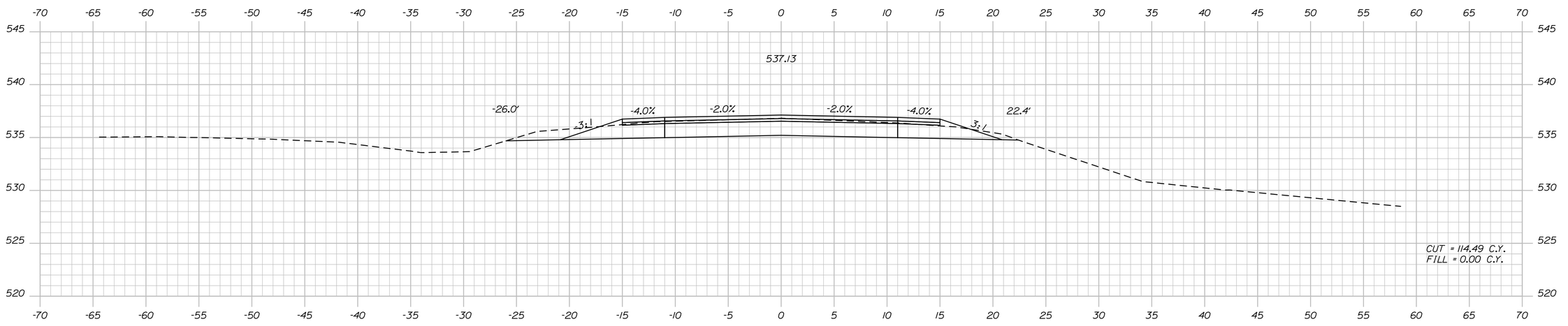
190

OF 329

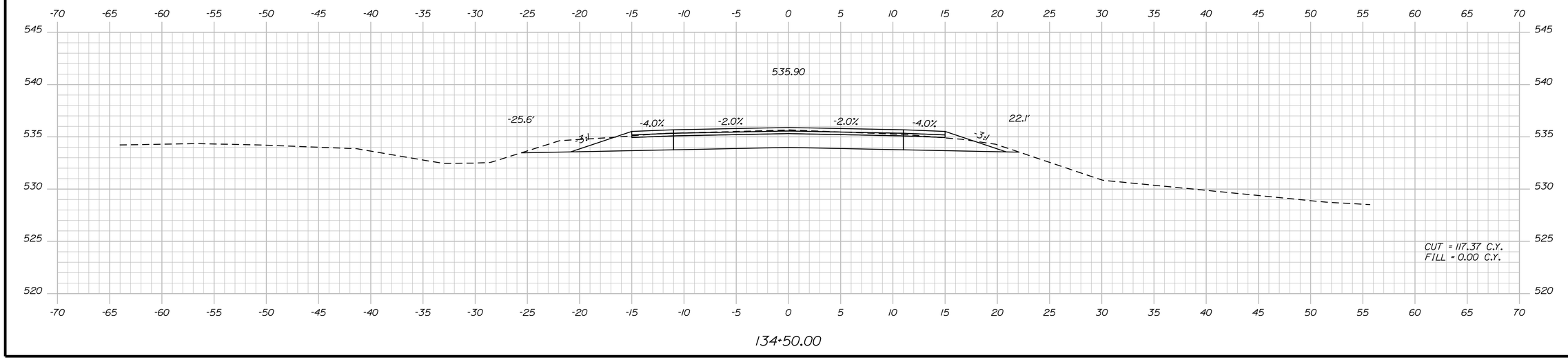
Filename: ...\190_Xsect_FINAL Section 2_133+00_06\dgn: HIGHWAY Username: natasha.m.collins Date:3/4/2015



135+50.00



135+00.00



134+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$ P.E. NUMBER
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
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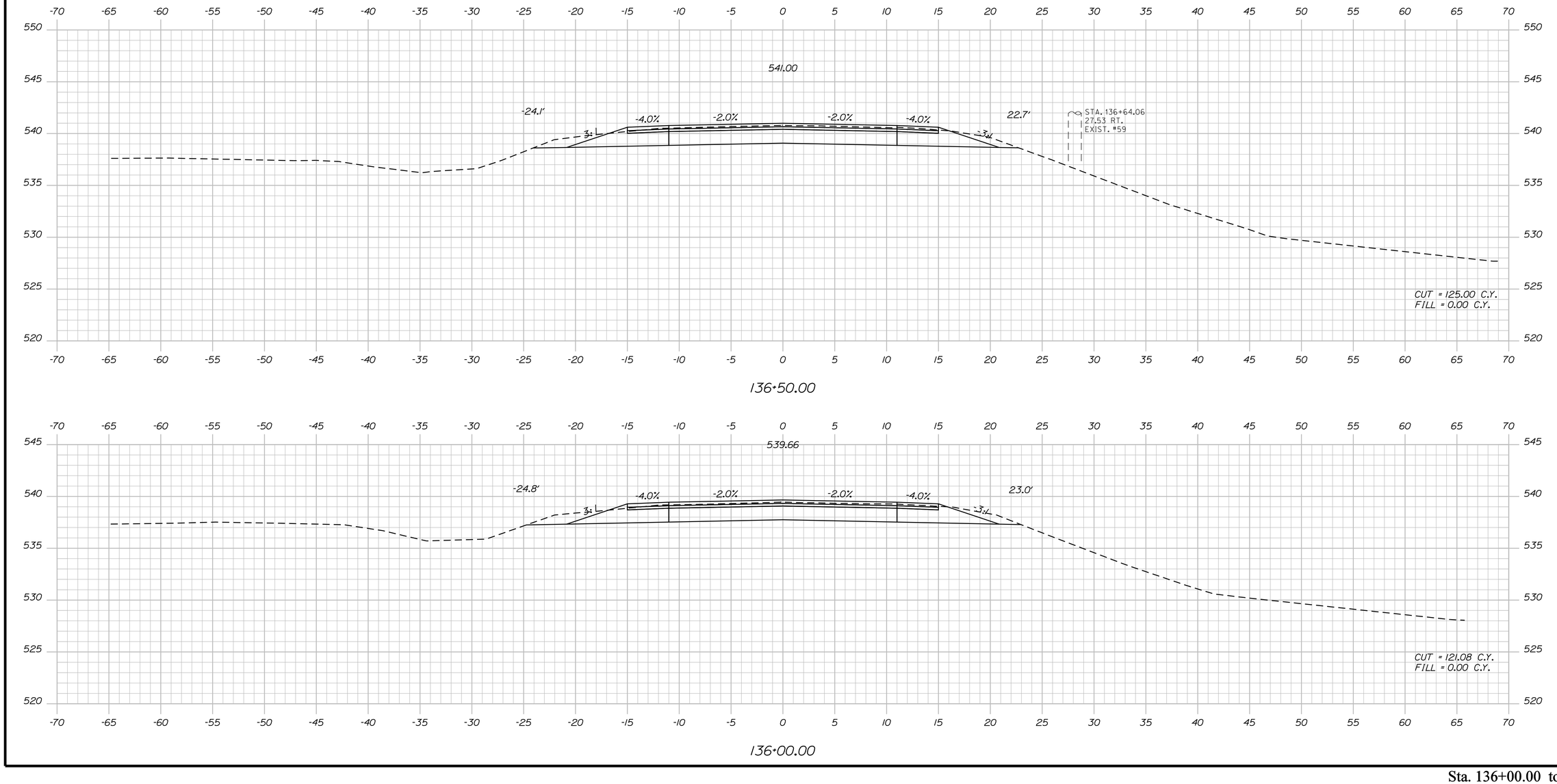
Sta. 134+50.00 to Sta. 135+50.00

Filename: ...\191_Xsect_FINAL Section 2_134+50_065.dgn Username: natasha.m.collins Date:3/4/2015



PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$	$revdate1$
REVISIONS 2	-----	$revdate2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

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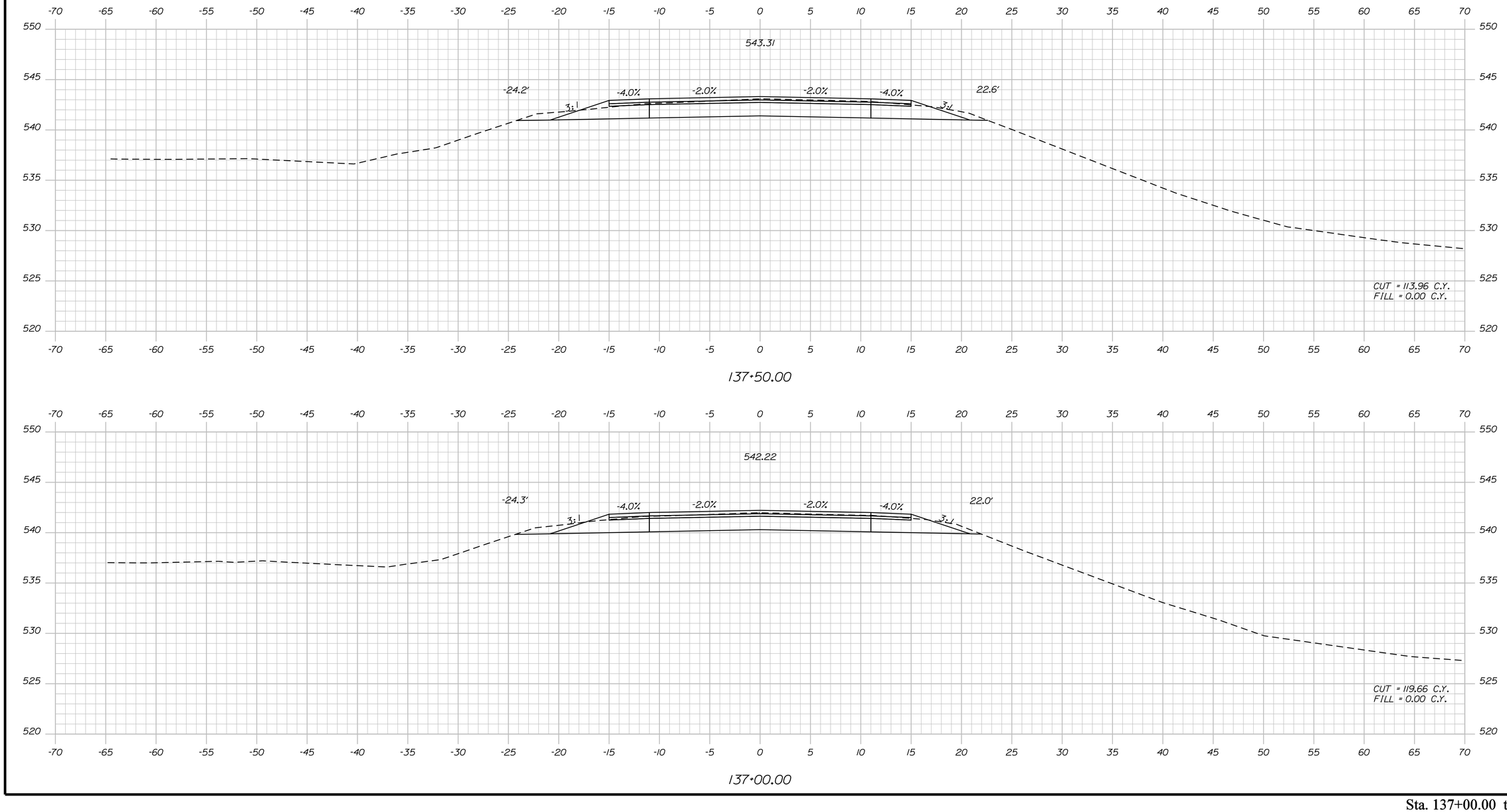
Sta. 136+00.00 to Sta. 136+50.00

Filename: ...\192_Xsect_FINAL Section 2_136+00_06.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



Sta. 137+00.00 to Sta. 137+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$	$revdate1$
REVISIONS 2	-----	$revdate2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

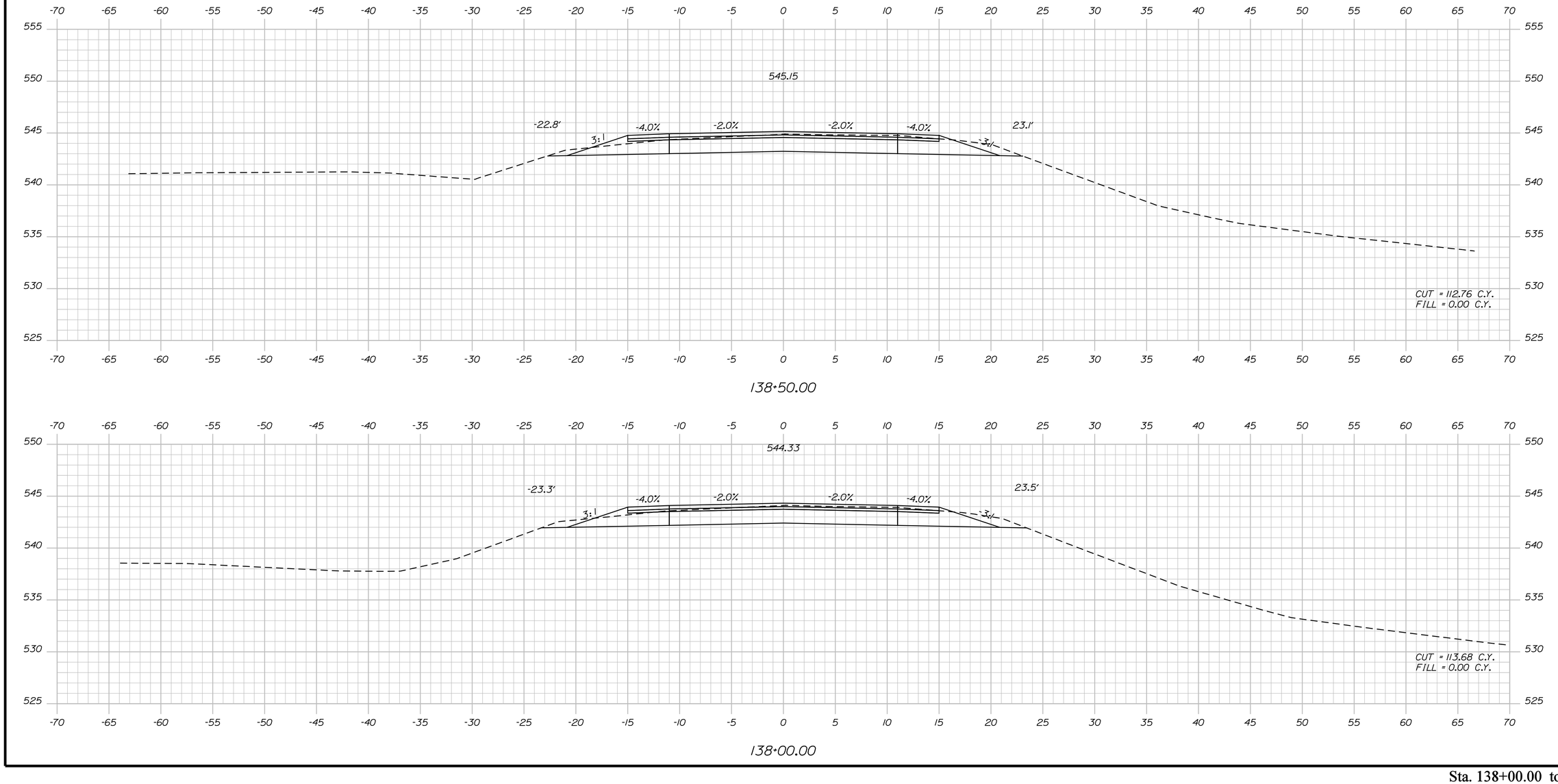
CROSS SECTIONS

SHEET NUMBER

193

OF 329

Filename: ...\193_Xsect_FINAL Section 2_137+00_06Xdgn Username: natasha.m.collins Date:3/4/2015 Design: HIGHWAY



Sta. 138+00.00 to Sta. 138+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	-----	$revdate3$
REVISIONS 3	$revision3$	-----	$revdate4$
REVISIONS 4	$revision4$	-----	$fieldchange$
FIELD CHANGES	$fieldchange$	-----	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

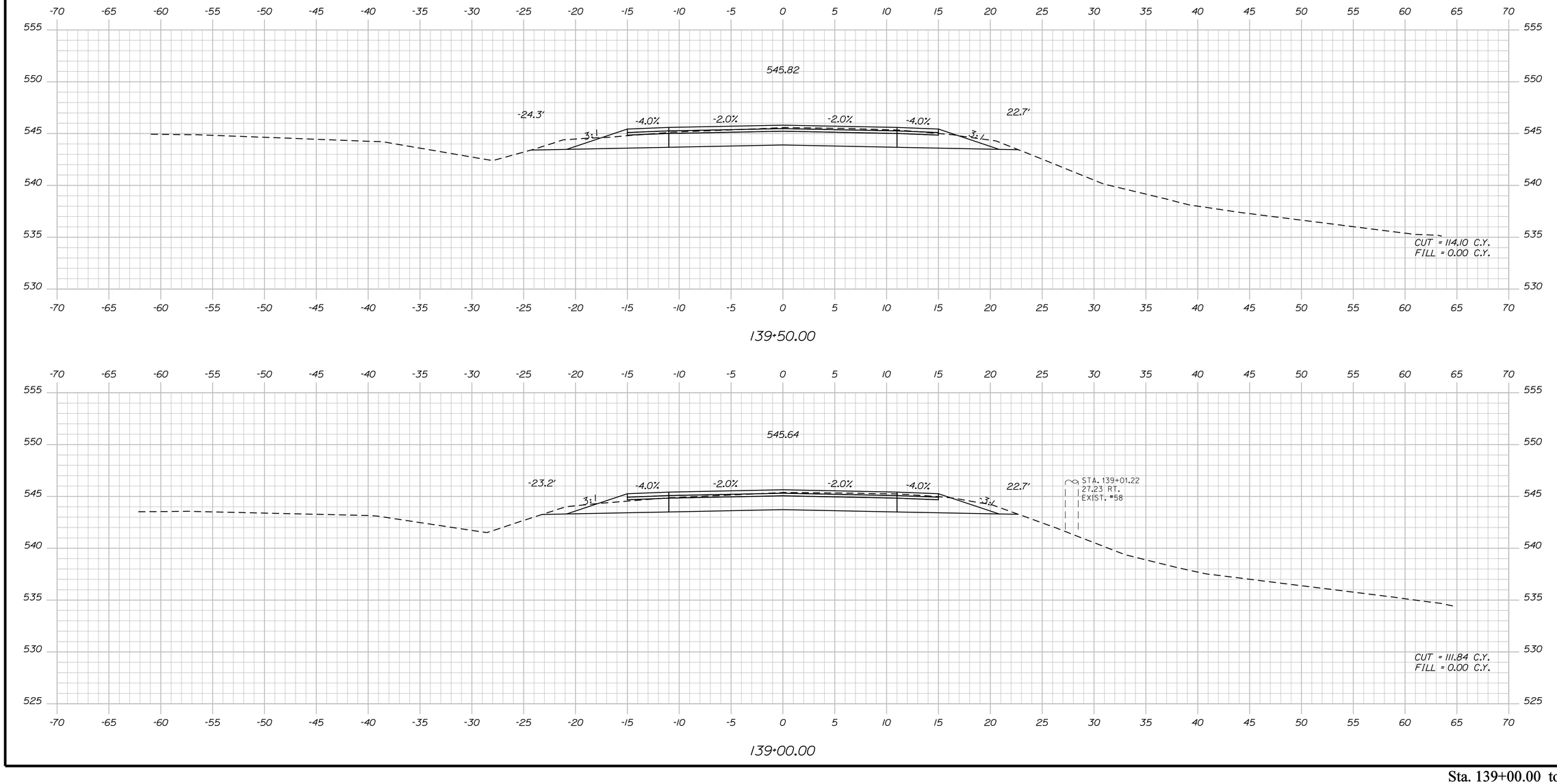
CROSS SECTIONS

SHEET NUMBER

194

OF 329

Filename: ...\194_Xsect_FINAL Section 2_138+00_06.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdetail1$	$revdate1$
REVISIONS 2	-----	$revdetail2$	$revdate2$
REVISIONS 3	$revision3$	$revdetail3$	$revdate3$
REVISIONS 4	$revision4$	$revdetail4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldcdetail$	$fieldcdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

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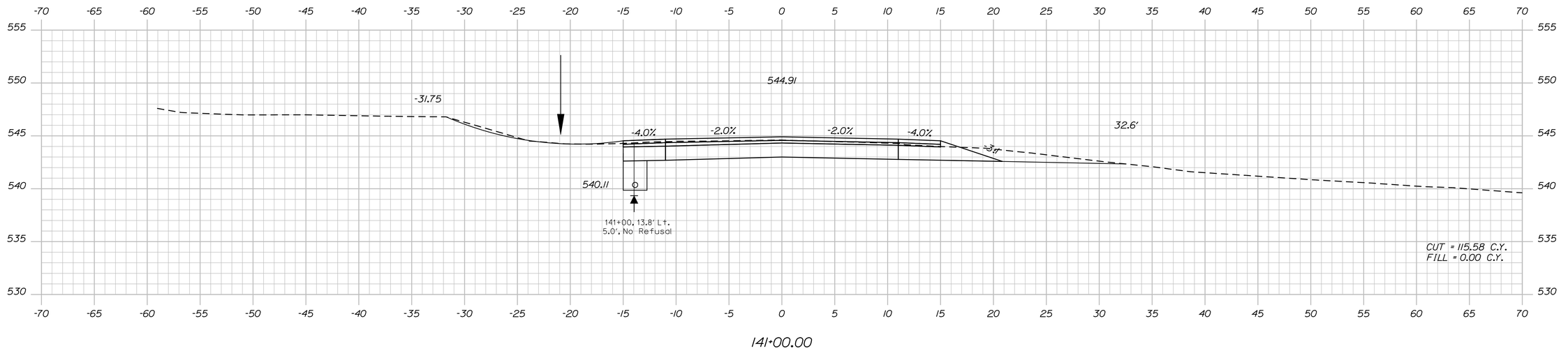
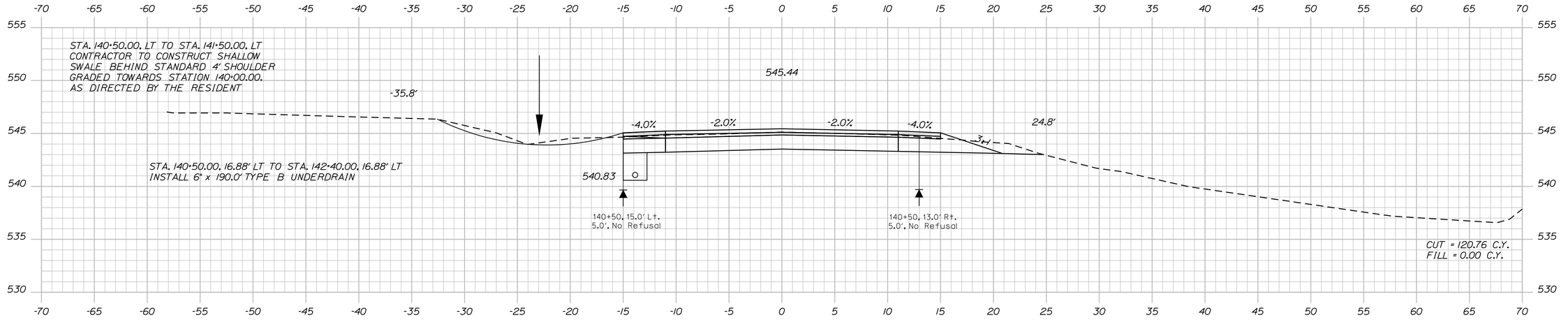
Sta. 139+00.00 to Sta. 139+50.00

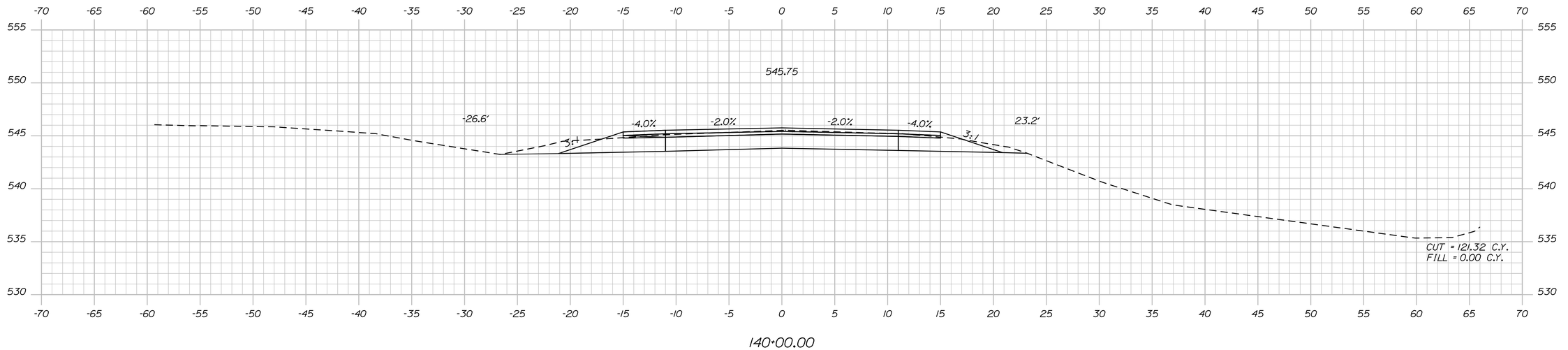
Filename: ...\195_Xsect_FINAL Section 2_139+00_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



141+00.00



140+50.00



140+00.00

Sta. 140+00.00 to Sta. 141+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate3$
REVISIONS 3	$revision4$		$revdate4$
REVISIONS 4	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

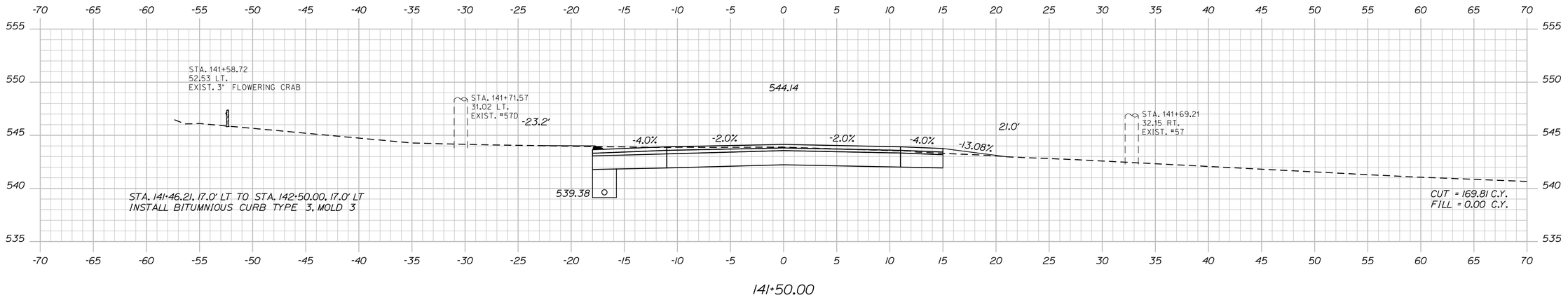
CROSS SECTIONS

SHEET NUMBER

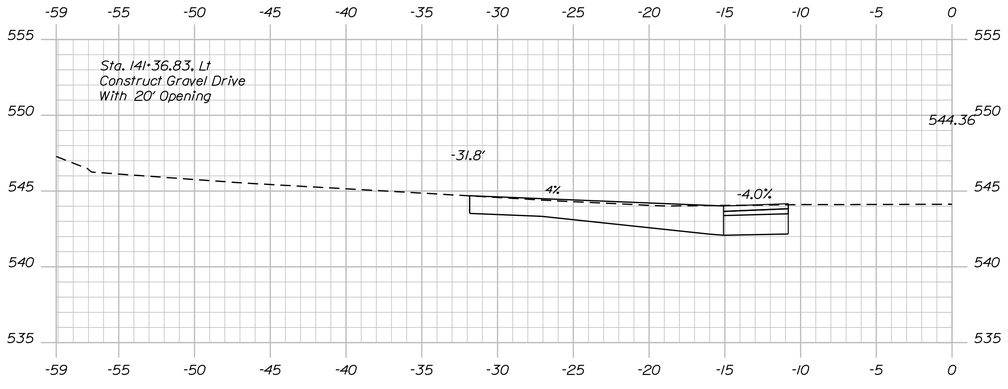
196

OF 329

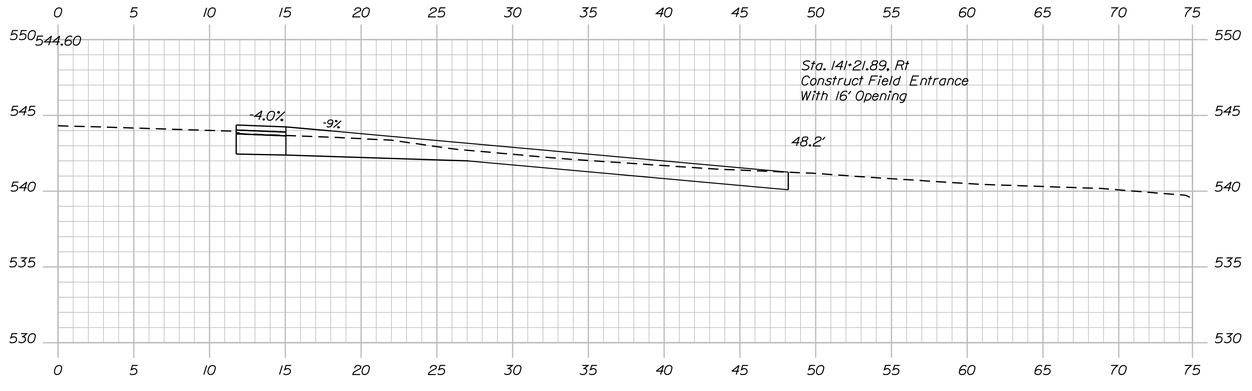
Filename: ...\196_Xsect_FINAL Section 2_140+00_000.dgn Design: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



141+50.00



141+36.83



141+21.90

Sta. 141+21.90 to Sta. 141+50.00

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DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	$prodate2$
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision2$	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

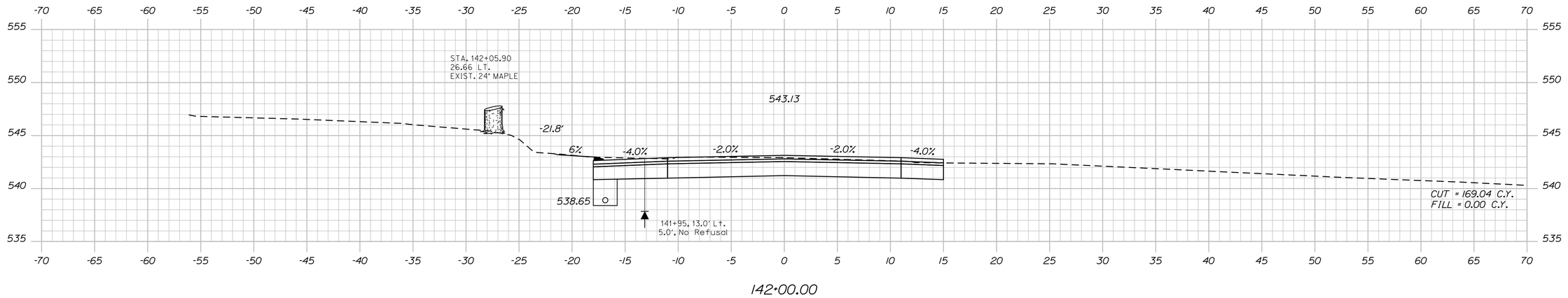
CROSS SECTIONS

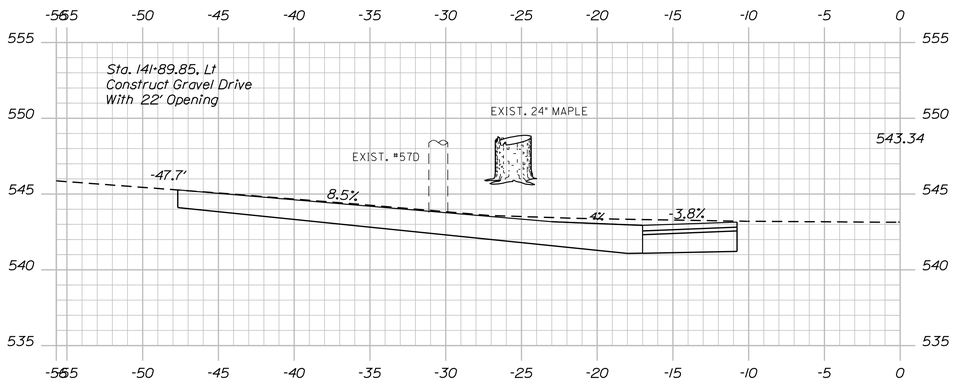
SHEET NUMBER

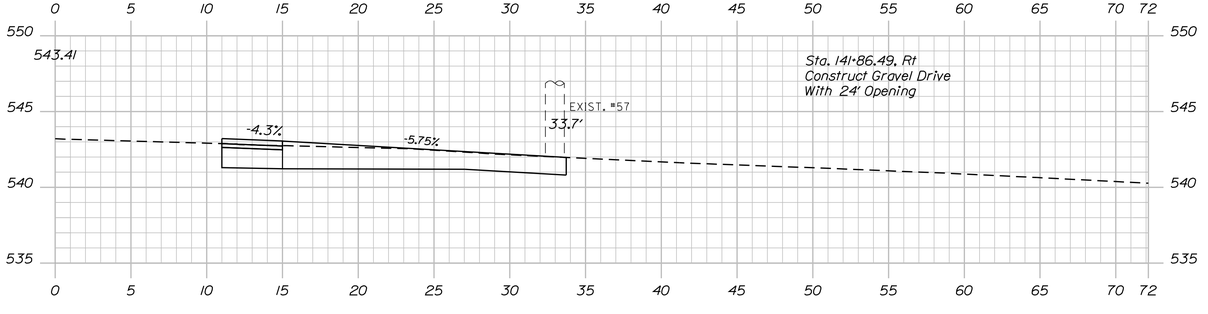
197

OF 329

Filename: ...\197_Xsect_FINAL Section 2_141+21_070 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	$revision2$	$revdate2$
REVISIONS 2	------	$revision3$	$revdate3$
REVISIONS 3	$revision3$	$revision4$	$revdate4$
REVISIONS 4	$revision4$	$fieldchange$	$fielddate$
FIELD CHANGES	$fieldchange$		

P.E. NUMBER

SIGNATURE

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STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

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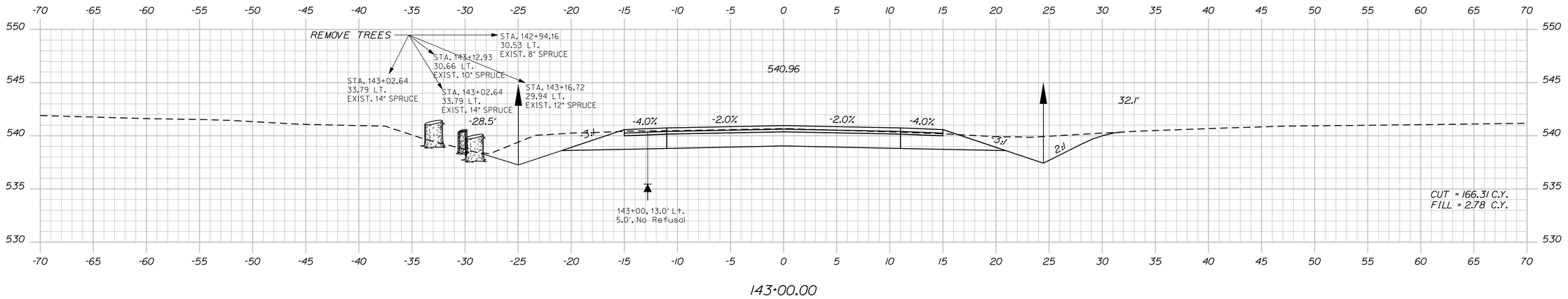
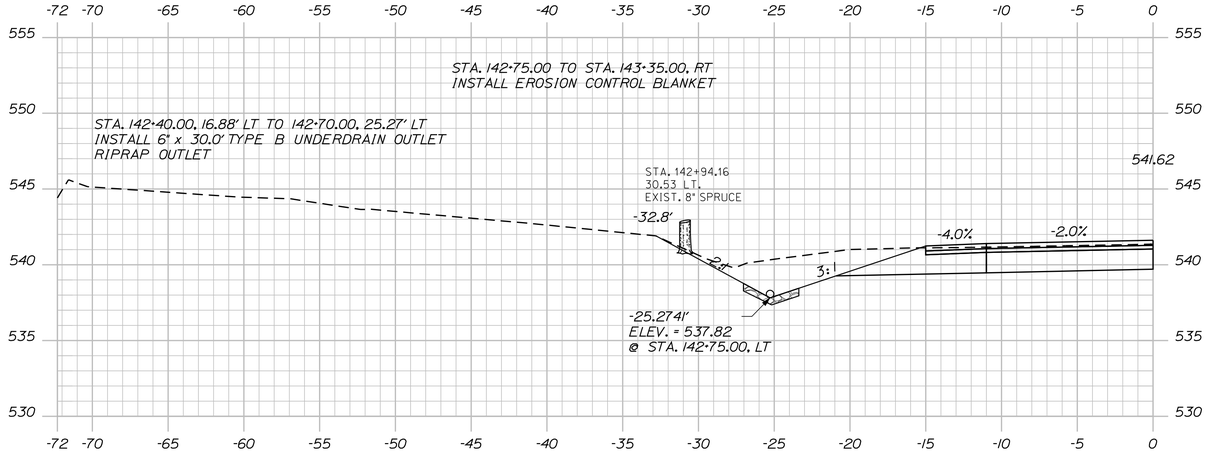
Sta. 141+86.49 to Sta. 142+00.00

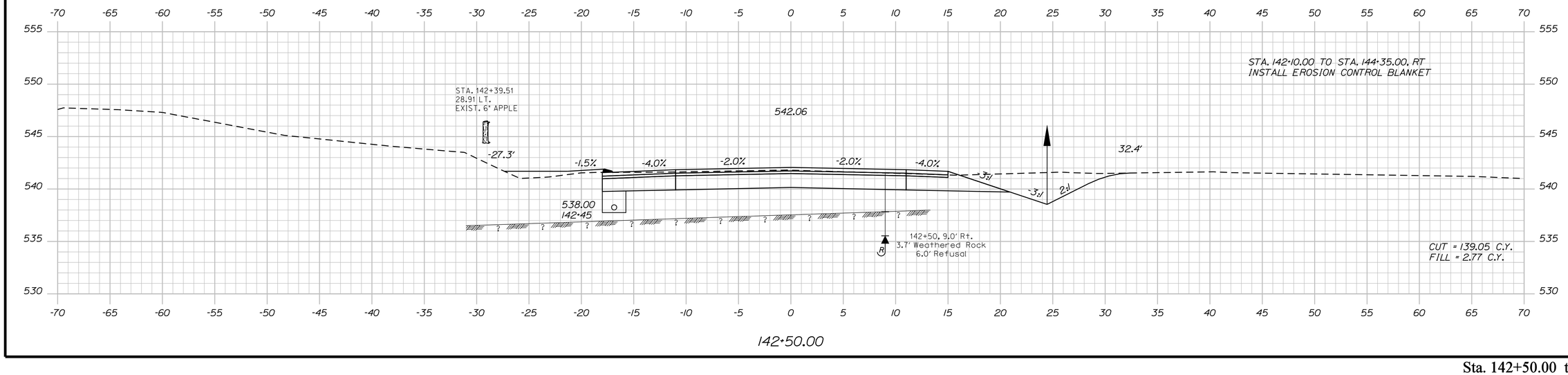
Filename: ...\198_Xsect_FINAL Section 2_141+86_07Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



143+00.00



142+70.00



142+50.00

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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision2$	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$ DATE
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

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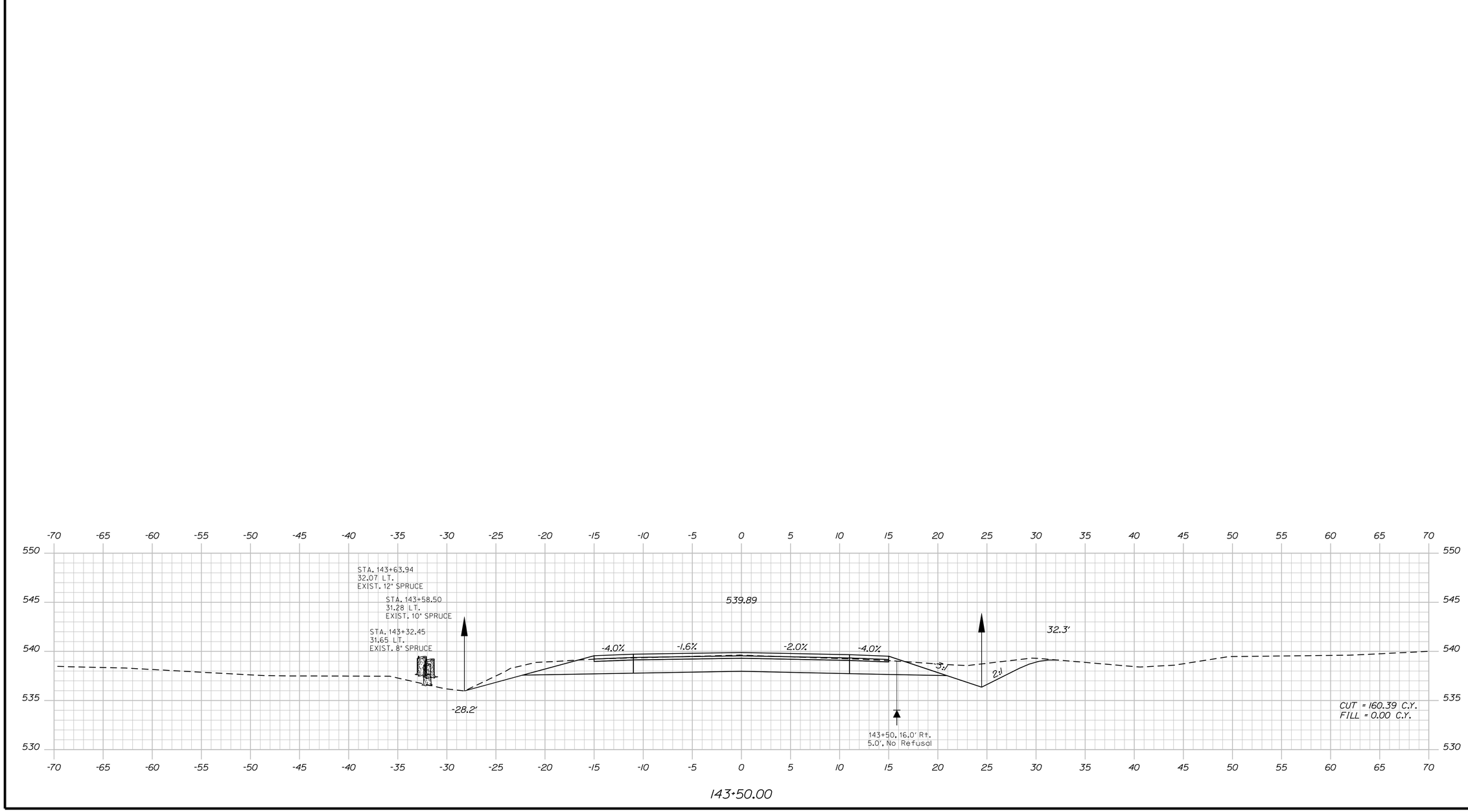
Sta. 142+50.00 to Sta. 143+00.00

Filename: ...\199_Xsect_FINAL Section 2_142+50_00.dgn Date:3/4/2015
Username: natasha.m.collins
Design: HIGHWAY

Username: natasha.m.collins Date:3/4/2015

Filename: ...\200_Xsect_FINAL Section 2_143+50_DWG.dgn Design: HIGHWAY



PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----	-----	$revdate1$ P.E. NUMBER
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	
REVISIONS 4	$revision4$	$revdate4$	DATE
FIELD CHANGES	$fieldchange$	$fielddate$	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

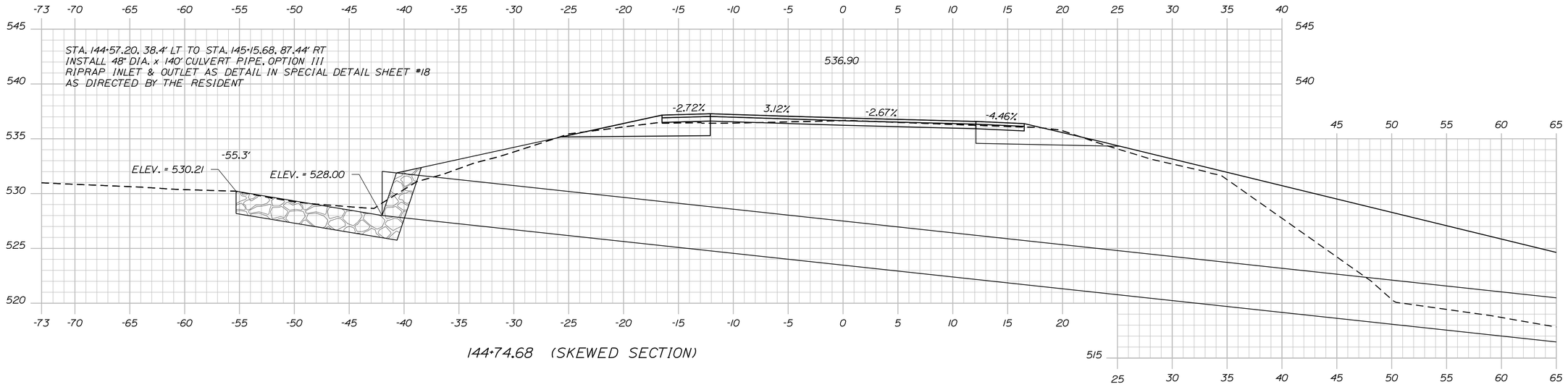
CROSS SECTIONS

SHEET NUMBER

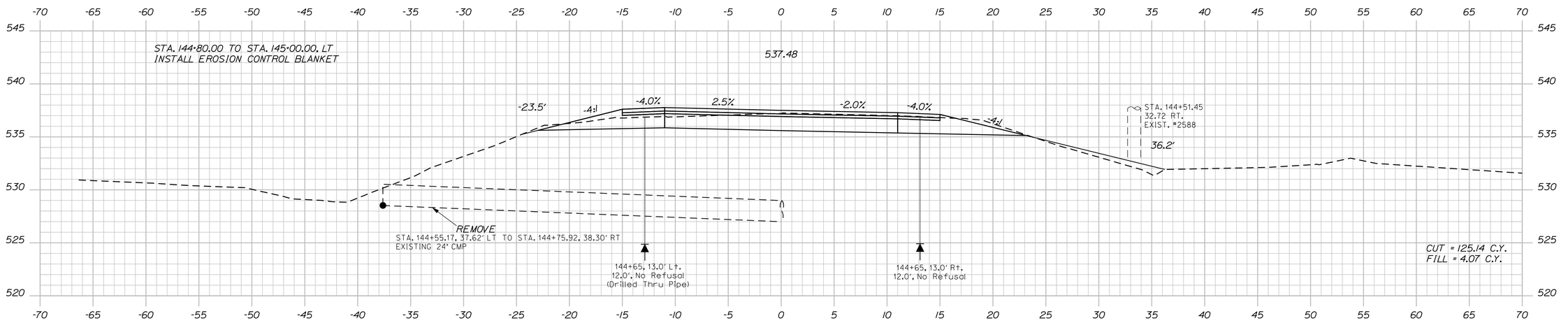
200

OF 329

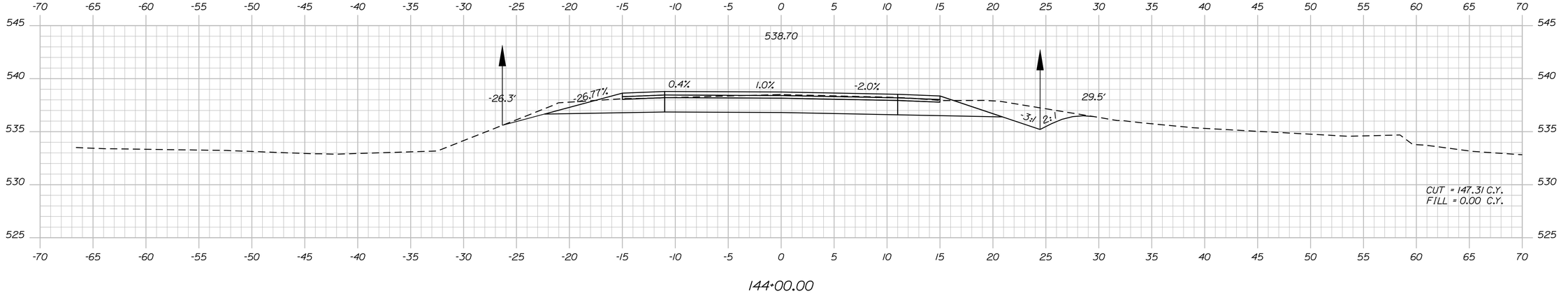
Sta. 143+50.00 to Sta. 143+50.00



144+74.68 (SKEWED SECTION)



144+50.00



144+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

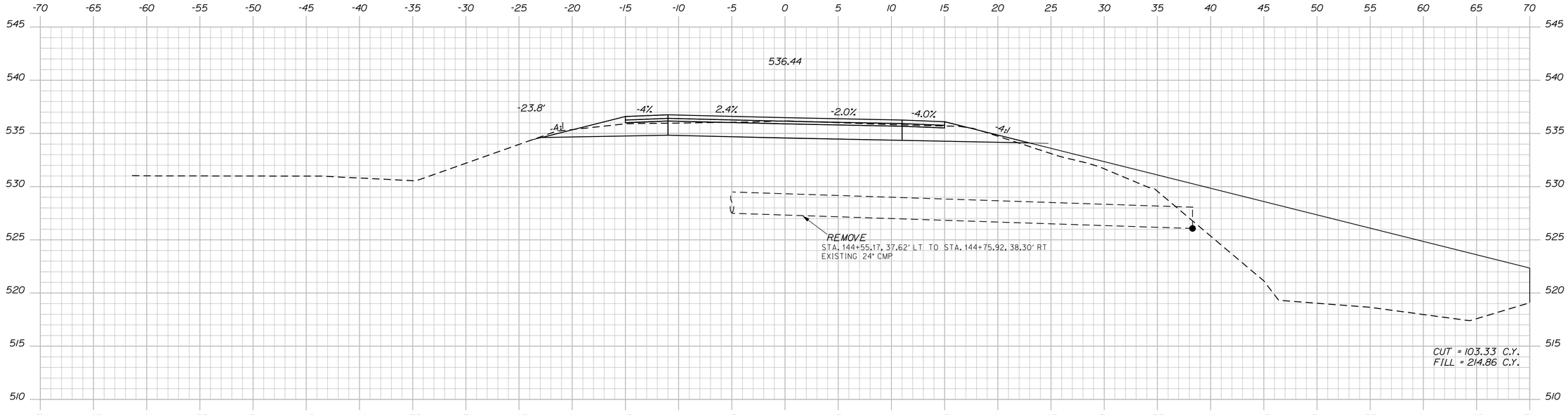
SHEET NUMBER

201

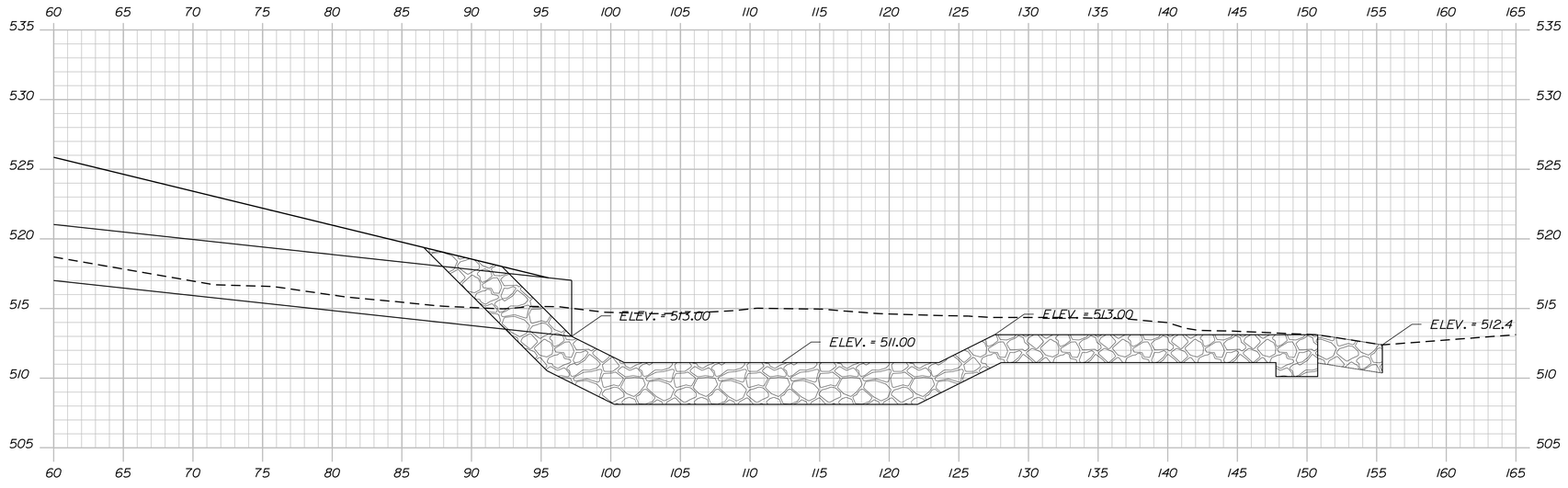
OF 329

Sta. 144+00.00 to Sta. 144+74.68

Filename: ...\201_Xsect_FINAL Section 3_144+00_00.dgn Username: HIGHWAY Username: natasha.m.collins Date:3/4/2015



145+00.00



144+74.68 (con't.) (SKEWED SECTION)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision2$	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$ DATE
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fieldate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

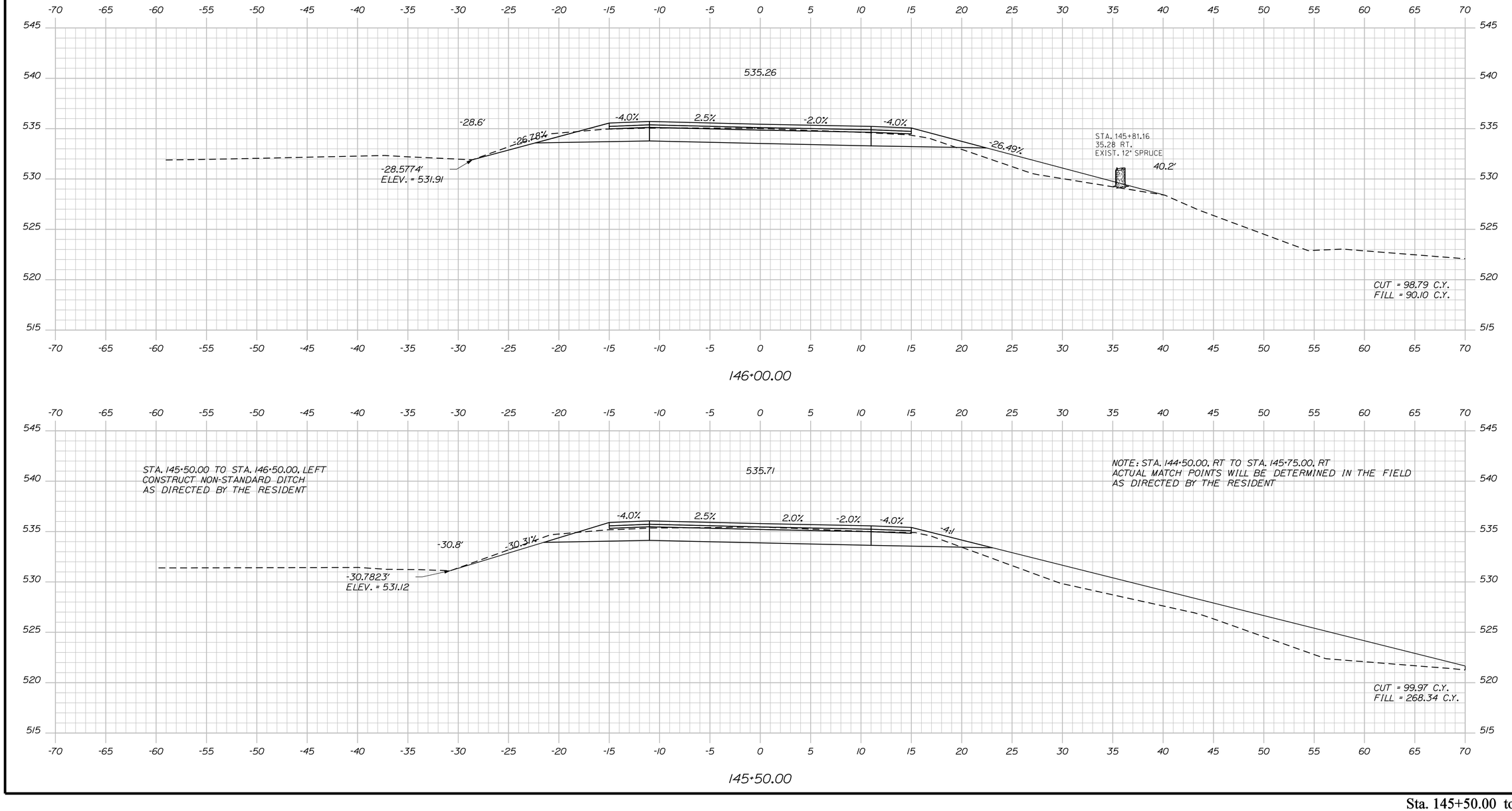
SHEET NUMBER

202

OF 329

Sta. 144+74.68 to Sta. 145+00.00

Filename: ...\202_Xsect_FINAL Section 3_144+74.68 to 145+00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

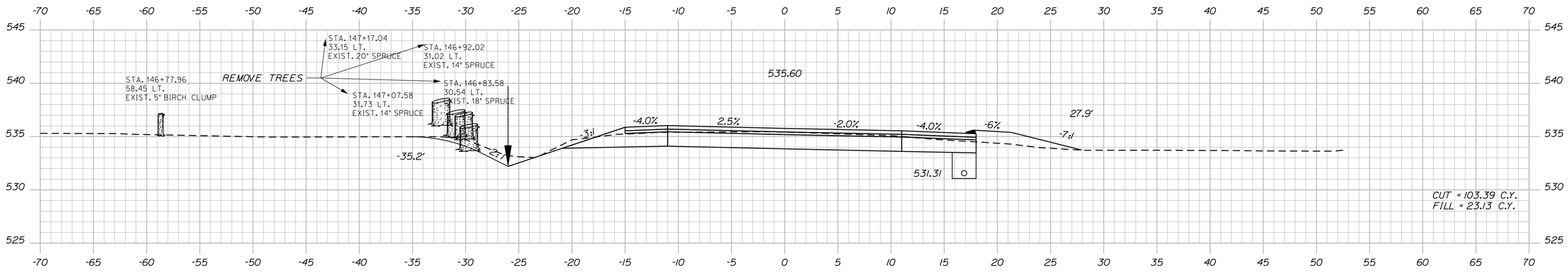
SHEET NUMBER

203

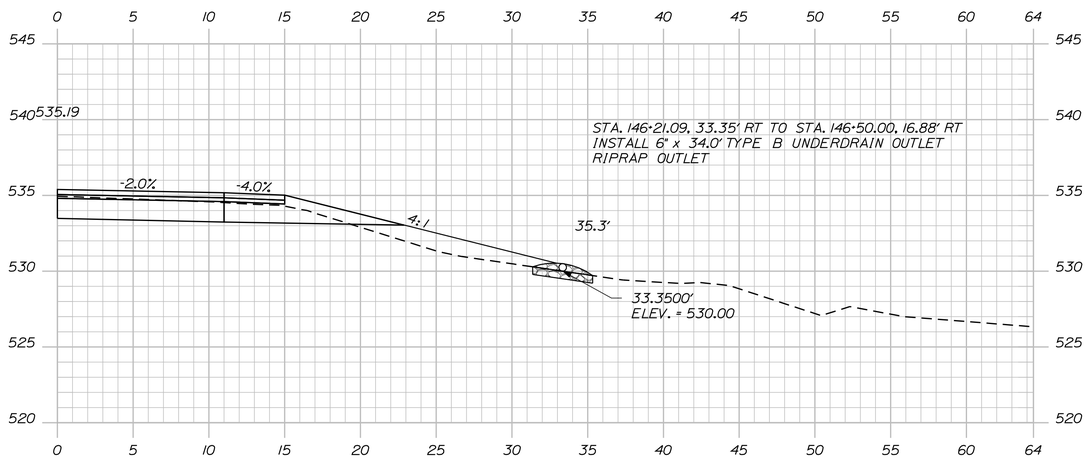
OF 329

Sta. 145+50.00 to Sta. 146+00.00

Filename: ...\203_Xsect_FINAL Section 3_145+50_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STA. 146+20.25, 36.2' RT TO STA. 146+50.0, 16.0' RT
CONSTRUCT 34' LONG x 4' WIDE RIPRAP DOWNSPOUT
TIE INTO 6" UD RIPRAP PAD
AS DIRECTED BY THE RESIDENT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED $designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED ------	------	------
DESIGN2-DETAILED2 $designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3 $designer3$	$detailer3$	$projdate3$
REVISIONS 1 ------	------	$revdate1$
REVISIONS 2 ------	------	$revdate2$
REVISIONS 3 $revision3$	$revision3$	$revdate3$
REVISIONS 4 $revision4$	$revision4$	$revdate4$
FIELD CHANGES $fieldchange$	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

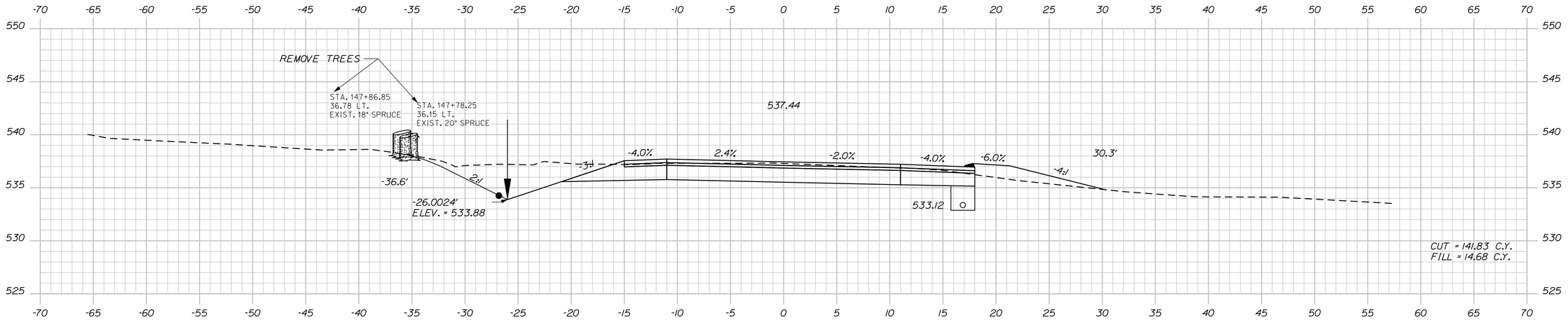
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

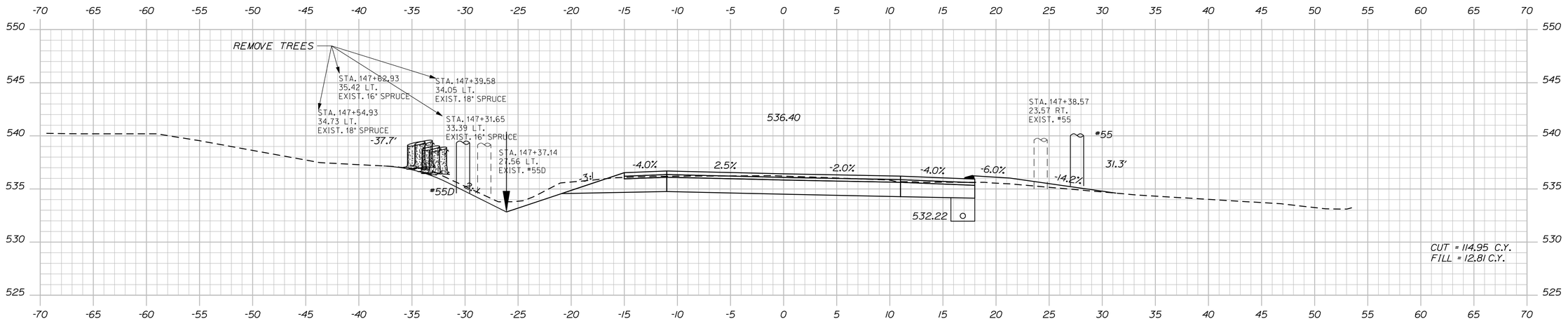
SHEET NUMBER
204
OF 329

Filename: ...\204_Xsect_FINAL Section 3_146+21_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

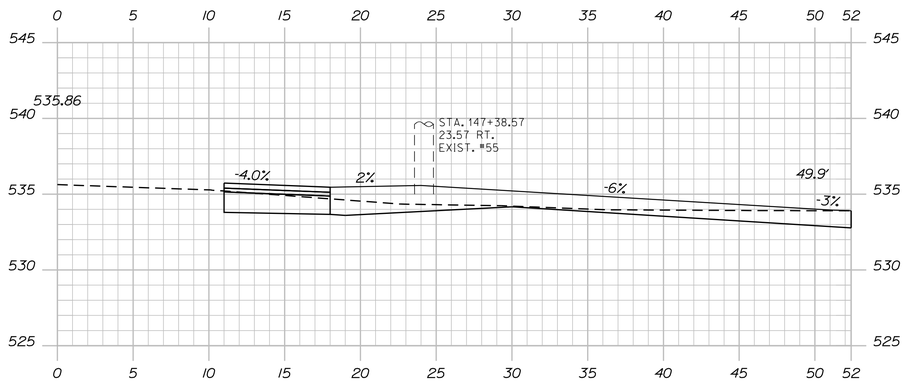
Sta. 146+21.09 to Sta. 147+00.00



148+00.00



147+50.00



147+17.69

Sta. 147+17.69, Rt
Construct Paved Drive
With 32' Opening
GRADE DRIVE SO THAT WATER
WILL NOT POND AT GARAGE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN- DETAILED	$designer1$	$proj date1$
CHECKED- REVIEWED	-----	-----
DESIGN2- DETAILED2	$designer2$	$proj date2$
DESIGN3- DETAILED3	$designer3$	$proj date3$
REVISIONS 1	$revision1$	$revdate1$
REVISIONS 2	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchangedate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

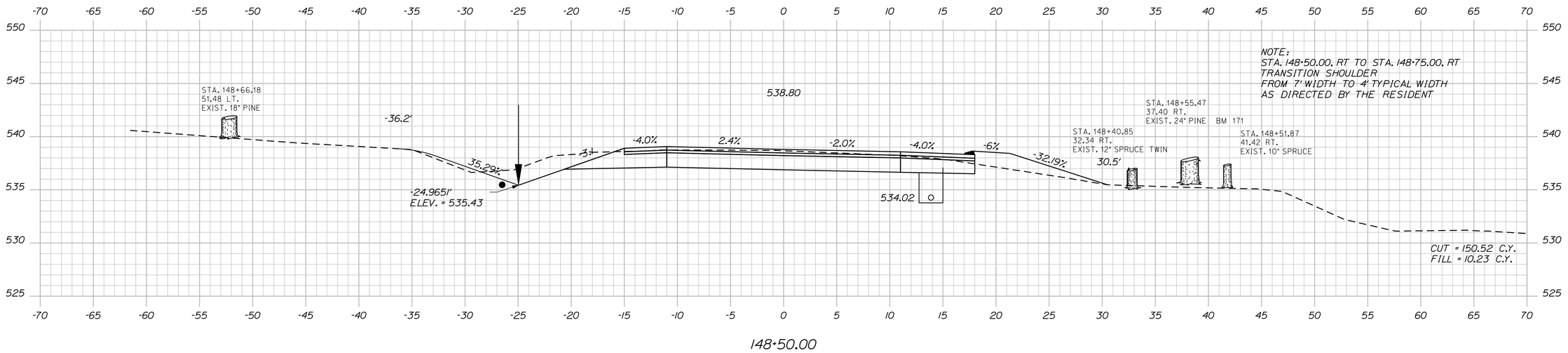
SHEET NUMBER

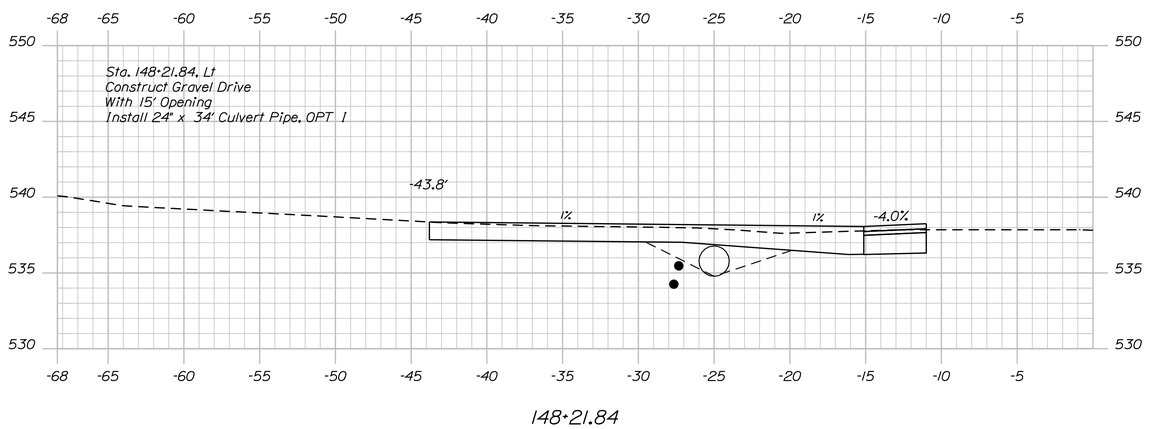
205

OF 329

Sta. 147+17.69 to Sta. 148+00.00

Filename: ...\205_Xsect_FINAL Section 3_147+17_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

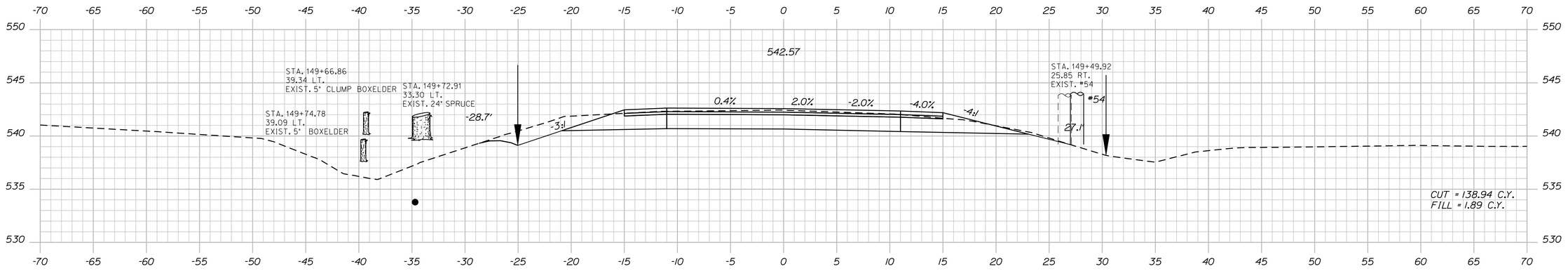
SHEET NUMBER

206

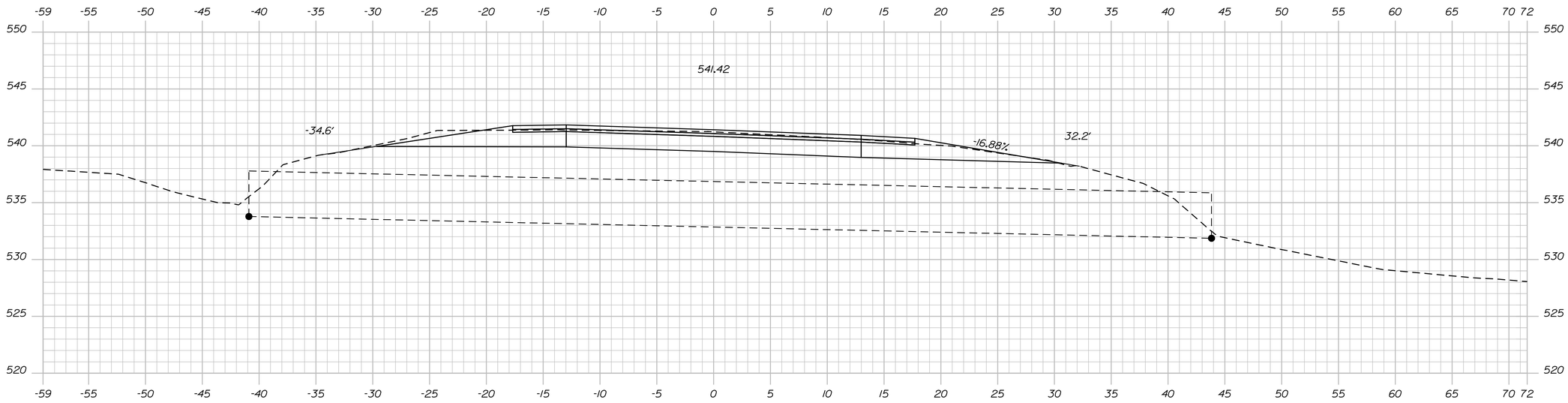
OF 329

Sta. 148+21.84 to Sta. 148+50.00

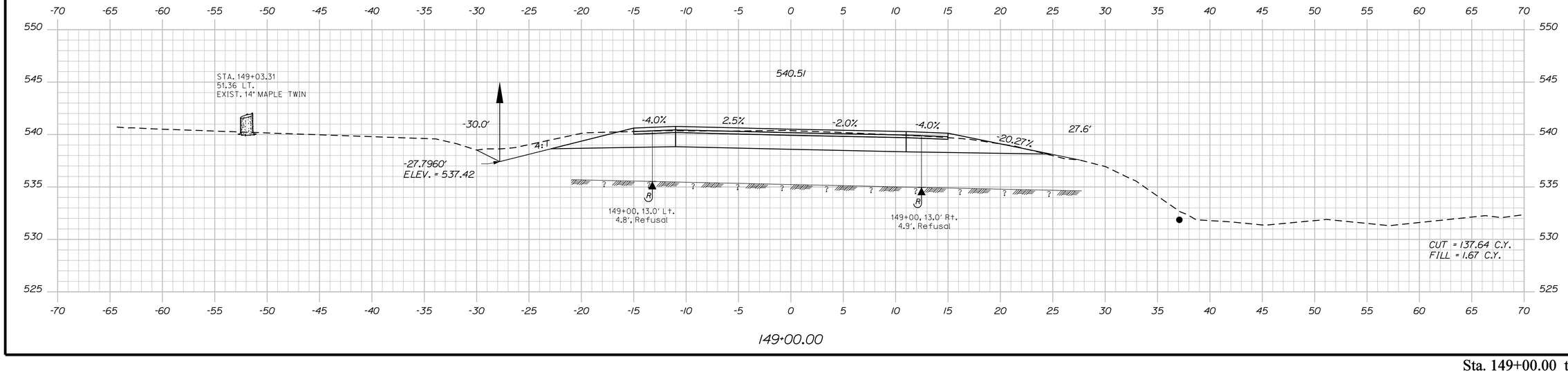
Filename: ...\206_Xsect_FINAL Section 3_148+21_00.dgn Design: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



149+50.00



149+23.04



149+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

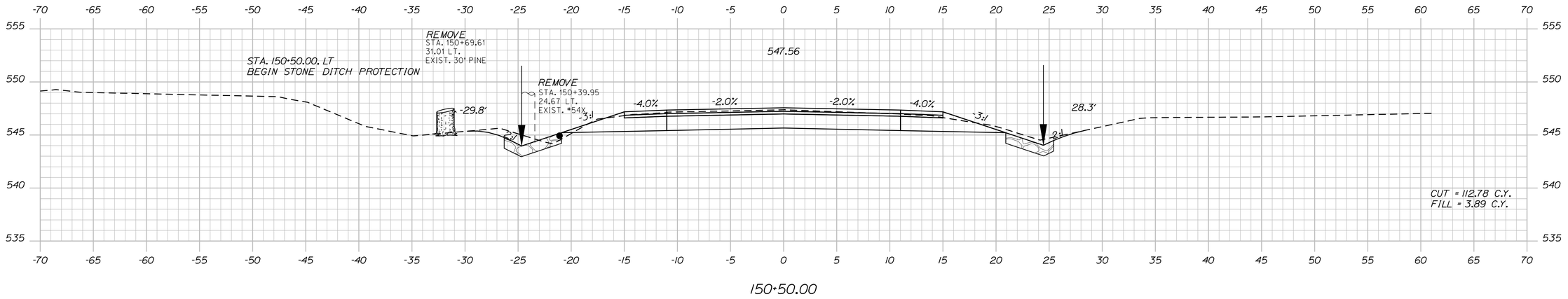
SHEET NUMBER

207

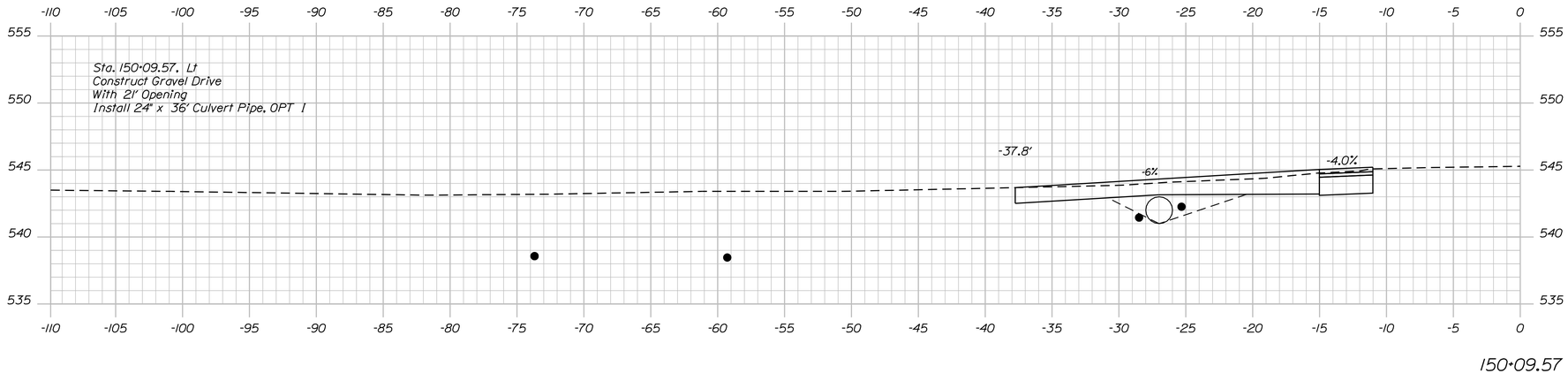
OF 329

Sta. 149+00.00 to Sta. 149+50.00

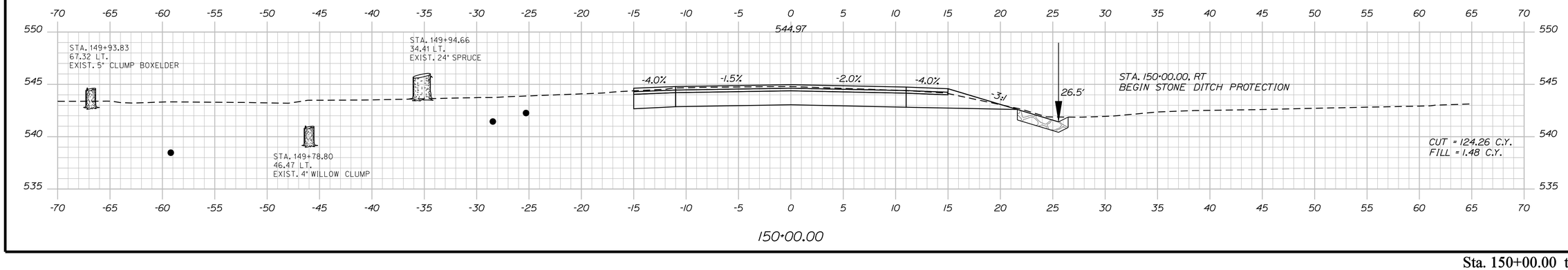
Filename: ...\207_Xsect_FINAL Section 3_149+00_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



150+50.00



150+09.57



150+00.00

STATE OF MAINE
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STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	$revision1$	$revdate1$
REVISIONS 2	------	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

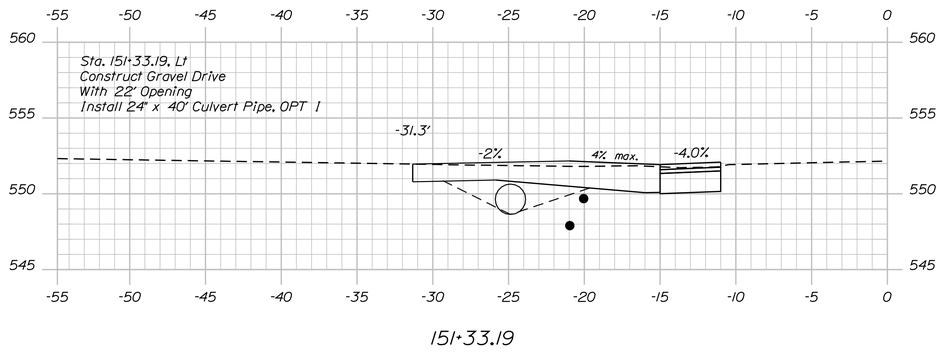
SHEET NUMBER

208

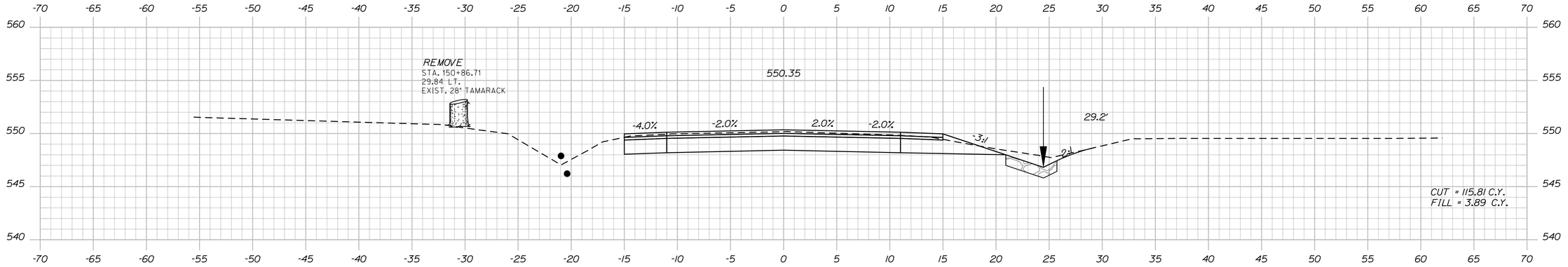
OF 329

Sta. 150+00.00 to Sta. 150+50.00

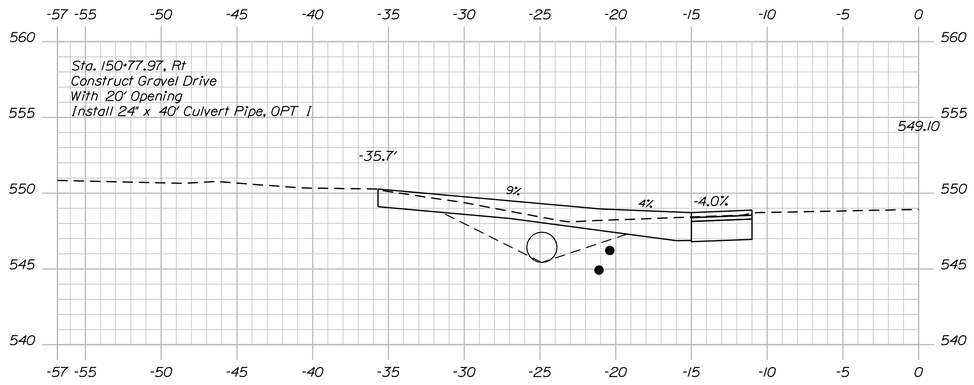
Filename: ...\208_Xsect_FINAL Section 3_150+00_Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



151+33.19



151+00.00



150+77.97

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

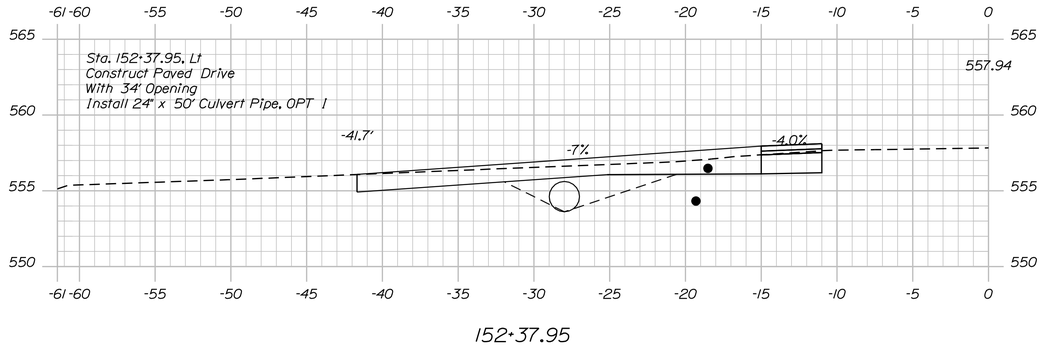
SHEET NUMBER

209

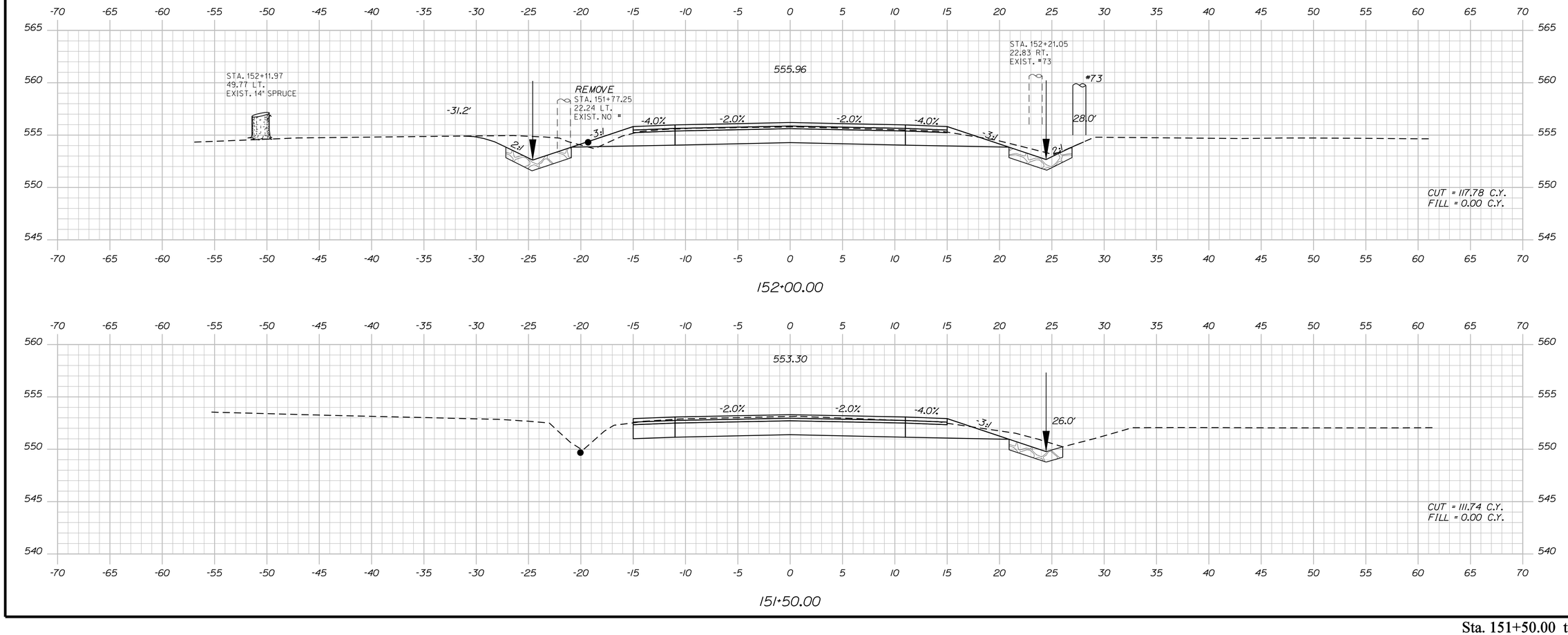
OF 329

Sta. 150+77.97 to Sta. 151+33.19

Filename: ...\209_Xsect_FINAL Section 3_150+77_00.dgn Username: natasha.m.collins Date:3/4/2015
Design: HIGHWAY



152+37.95



152+00.00

151+50.00

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DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

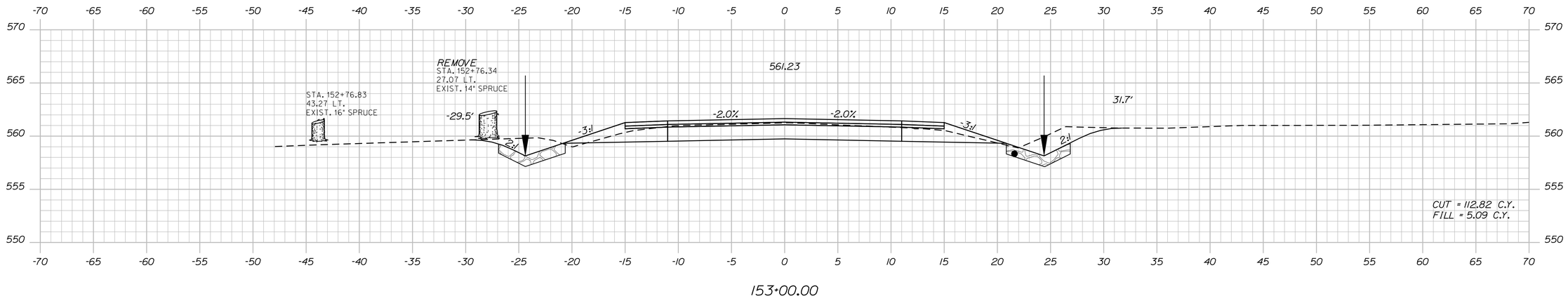
SHEET NUMBER

210

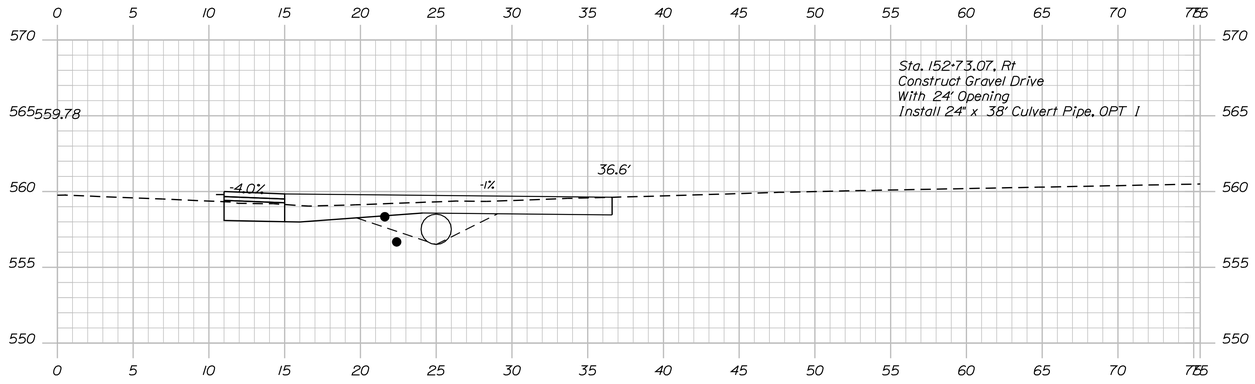
OF 329

Sta. 151+50.00 to Sta. 152+37.95

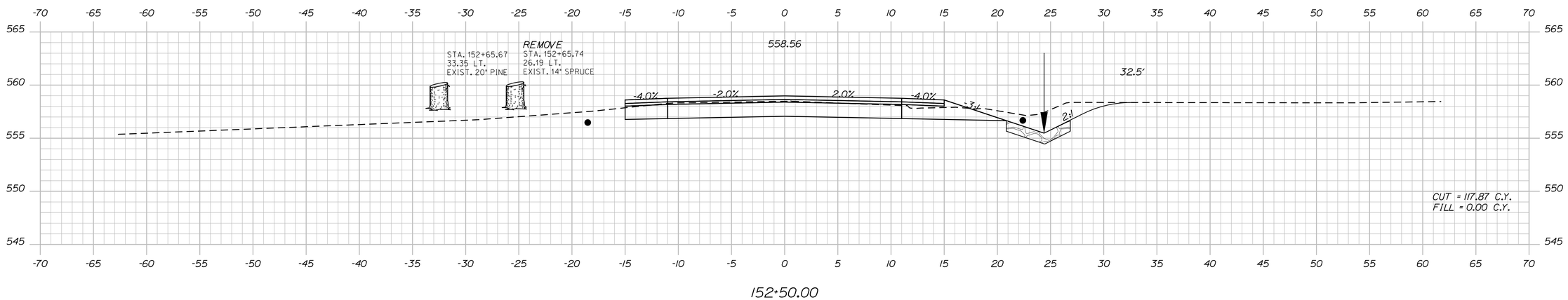
Filename: ...\210_Xsect_FINAL Section 3_151+50_0Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



153+00.00



152+73.07



152+50.00

Sta. 152+50.00 to Sta. 153+00.00

STATE OF MAINE
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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

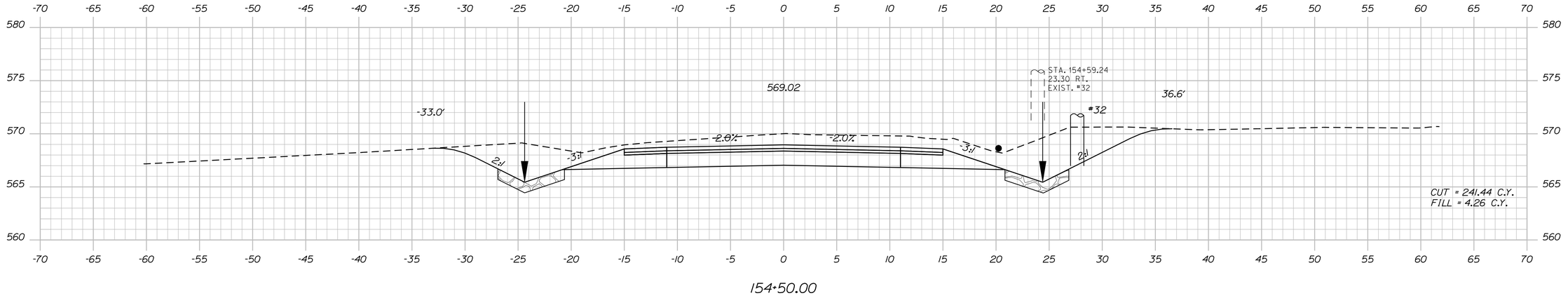
CROSS SECTIONS

SHEET NUMBER

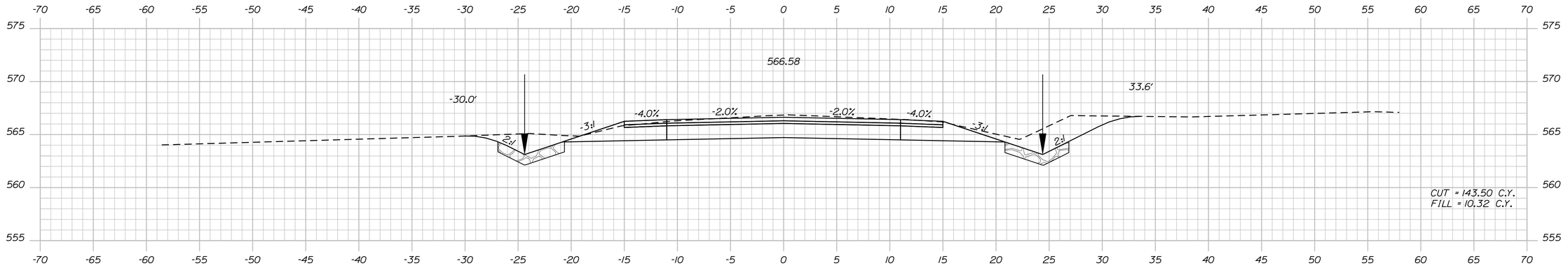
211

OF 329

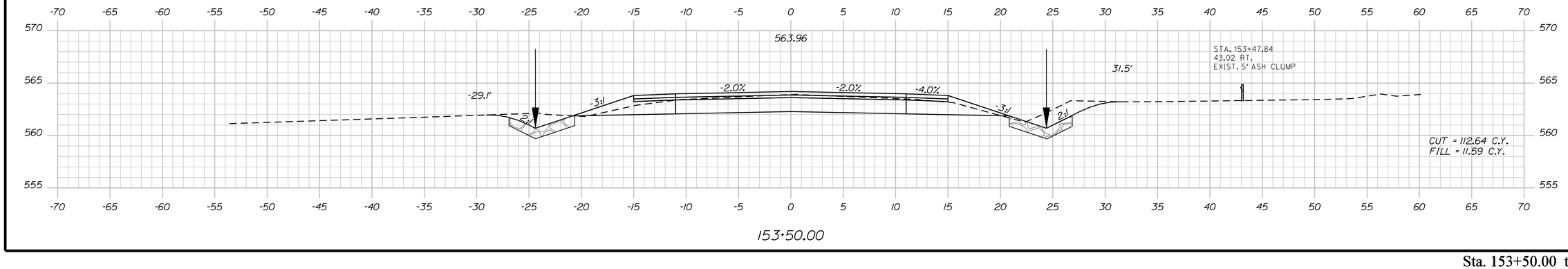
Filename: ...\211_Xsect_FINAL Section 3_152+50_01.dgn Division: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



154+50.00



154+00.00



153+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revision1$	$revdate1$
REVISIONS 2	-----	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

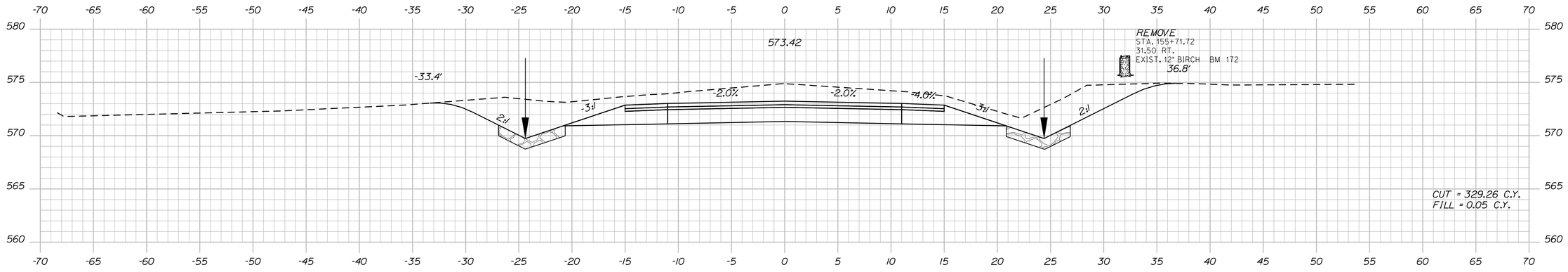
SHEET NUMBER

212

OF 329

Sta. 153+50.00 to Sta. 154+50.00

Filename: ...\212_Xsect_FINAL Section 3_153+50_00.dgn Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

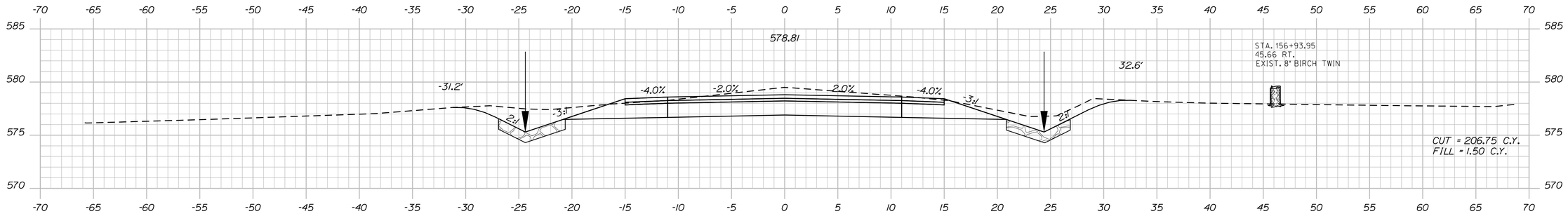
SHEET NUMBER

213

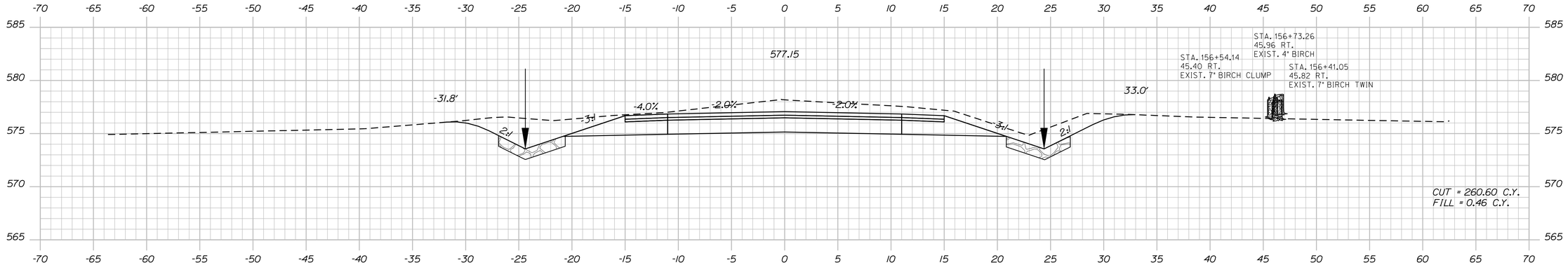
OF 329

Sta. 154+76.05 to Sta. 155+50.00

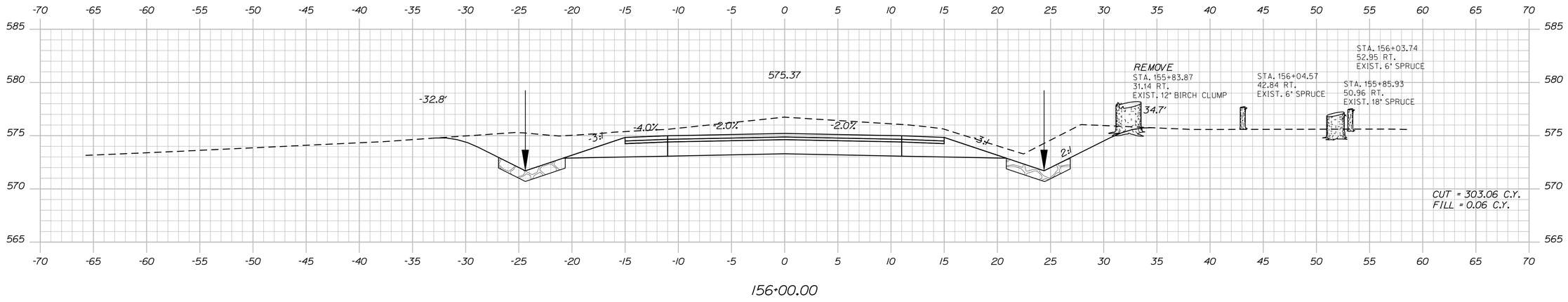
Filename: ...\213_Xsect_FINAL Section 3_154+76_00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



157+00.00



156+50.00



156+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$proj_manager$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj_date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj_date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj_date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

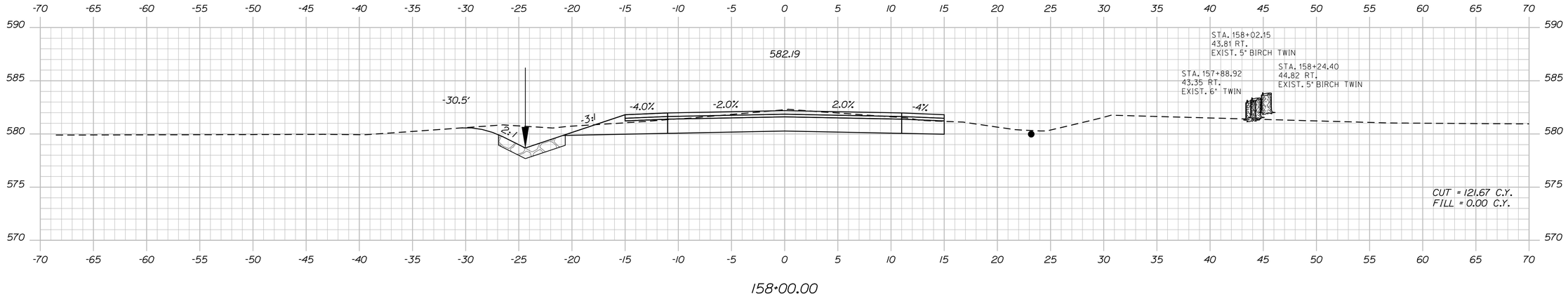
SHEET NUMBER

214

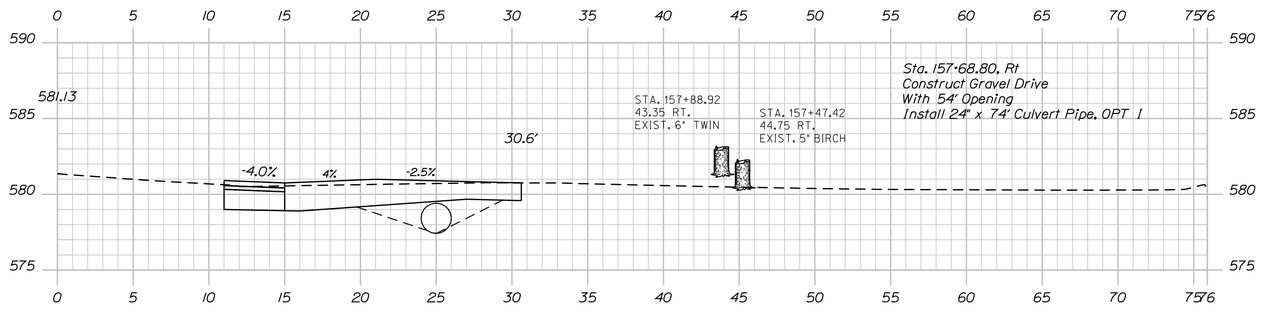
OF 329

Sta. 156+00.00 to Sta. 157+00.00

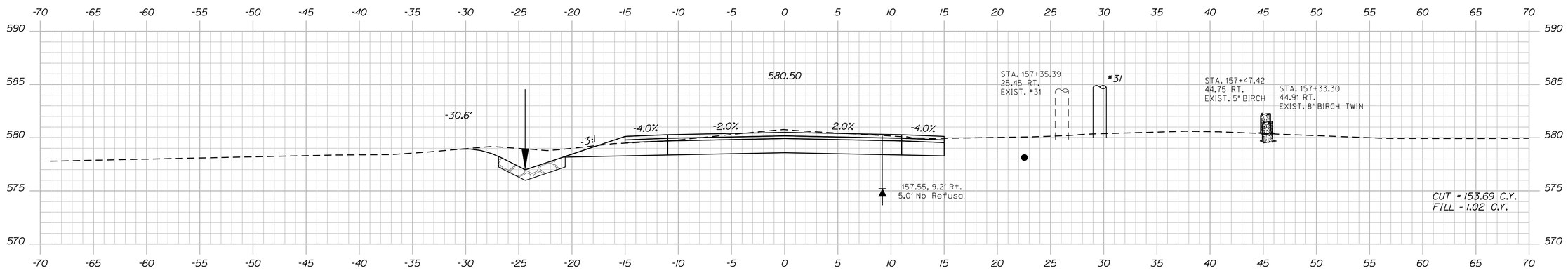
Filename: ...\214_Xsect_FINAL Section 3_156+00_00.dgn Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



158+00.00



157+68.81



157+50.00

Sta. 157+50.00 to Sta. 158+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1#
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2#
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3#
REVISIONS 1	_____	_____	_____
REVISIONS 2	$revision3$	$revision3$	$revdate3#
REVISIONS 3	$revision4$	$revision4$	$revdate4#
REVISIONS 4	$fieldchange$	$fieldchange$	$fieldchangedate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

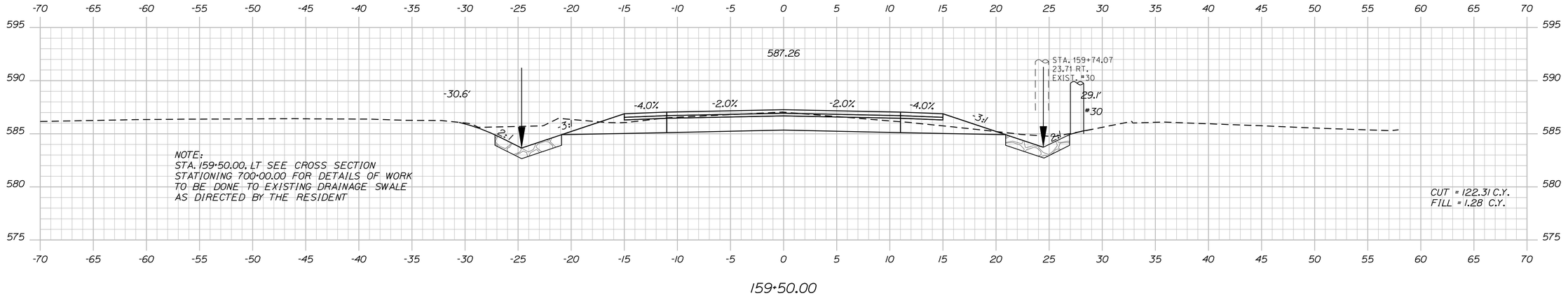
CROSS SECTIONS

SHEET NUMBER

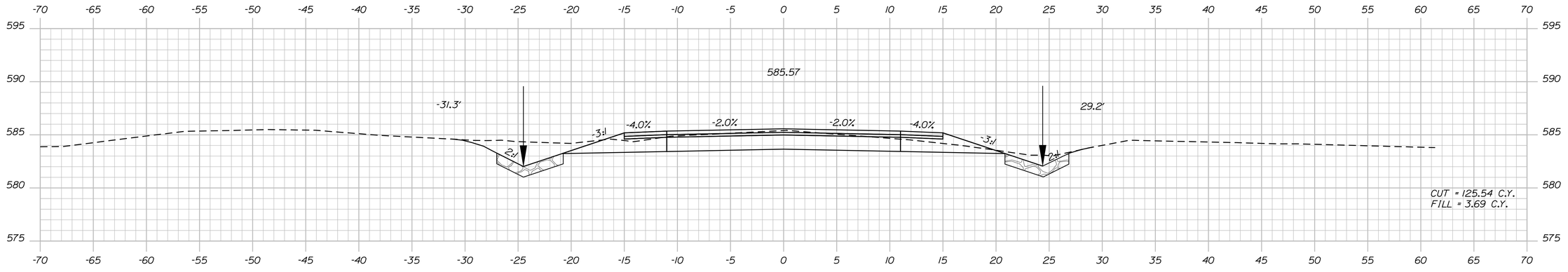
215

OF 329

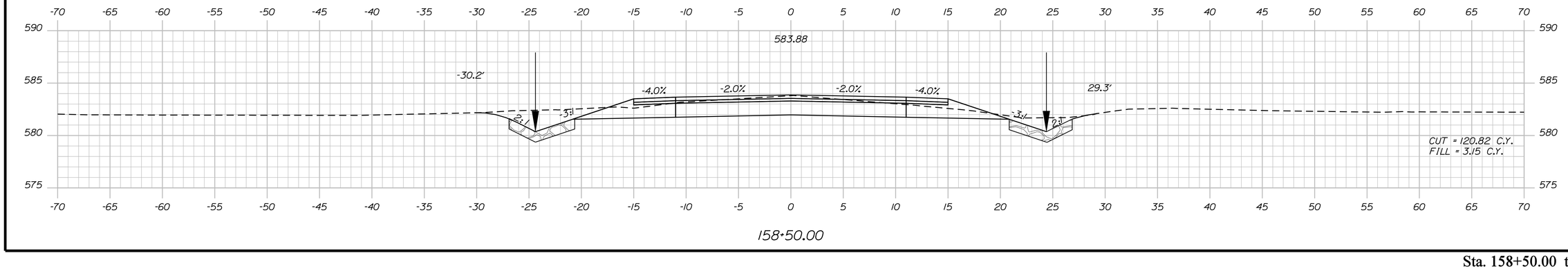
Filename: ...\215_Xsect_FINAL Section 3_157+50_00.dgn Username: natasha.m.collins Date:3/4/2015



159+50.00



159+00.00



158+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$dateOfer1$	$proJdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$dateOfer2$	$proJdate2$
DESIGN3-DETAILED3	$designer3$	$dateOfer3$	$proJdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

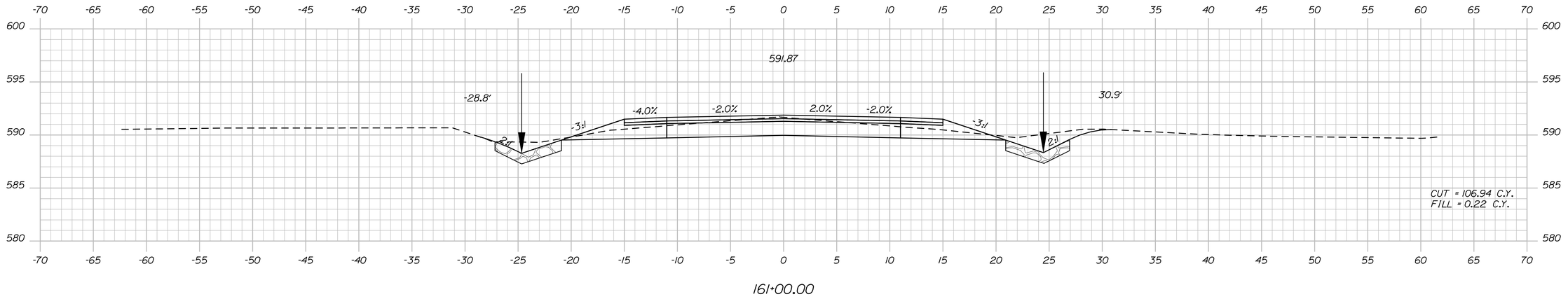
SHEET NUMBER

216

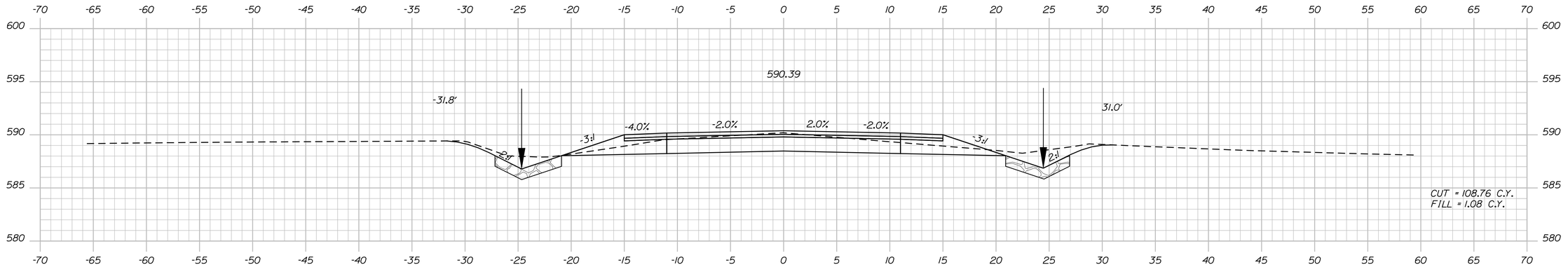
OF 329

Sta. 158+50.00 to Sta. 159+50.00

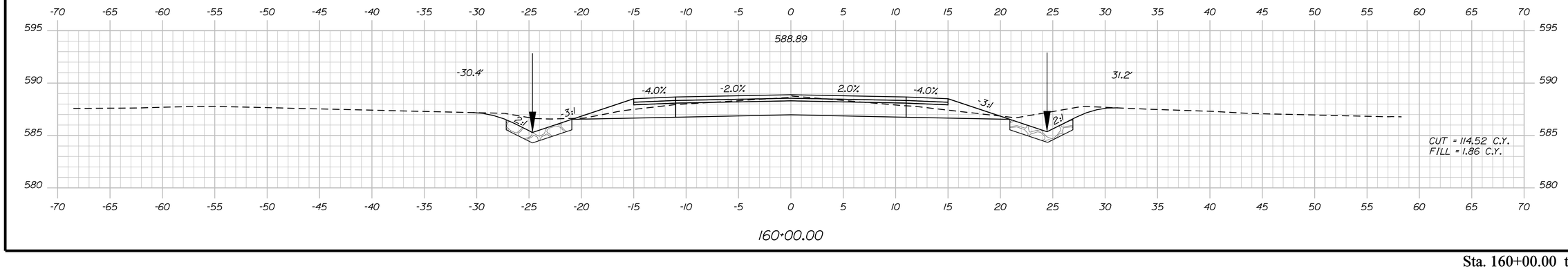
Filename: ...\216_Xsect_FINAL Section 3_158+50_00.dwg Username: natasha.m.collins Date:3/4/2015 Division: HIGHWAY



161+00.00



160+50.00



160+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

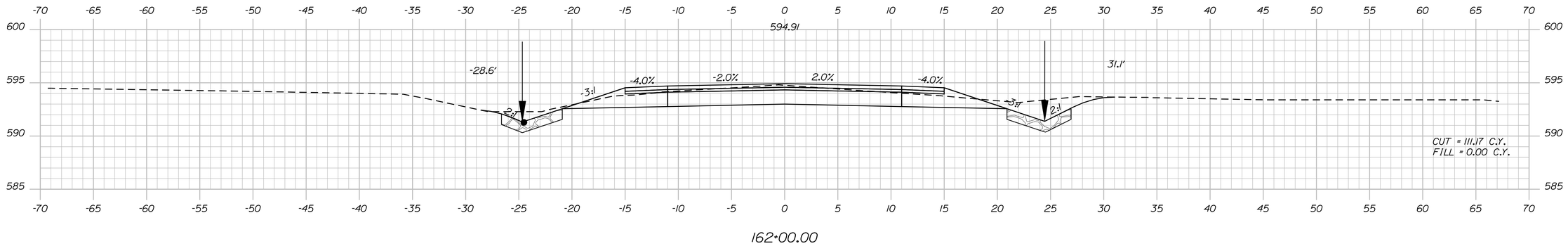
SHEET NUMBER

217

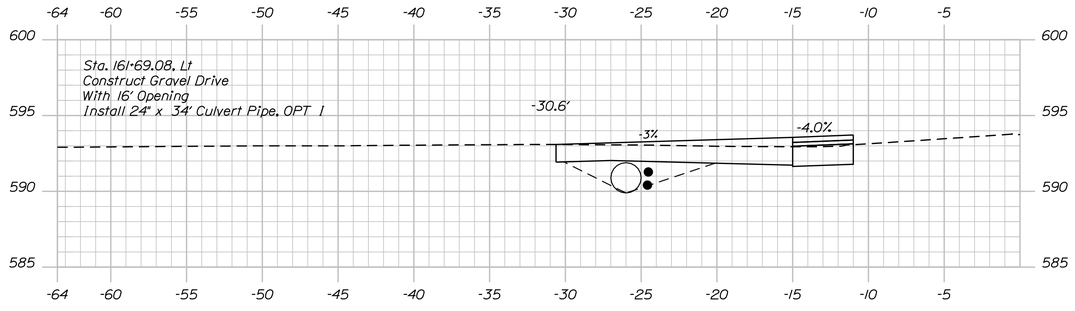
OF 329

Sta. 160+00.00 to Sta. 161+00.00

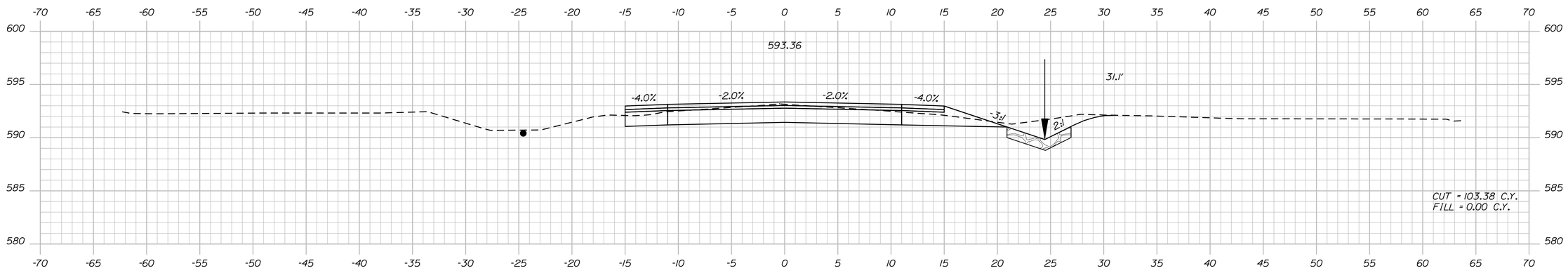
Filename: ...\217_Xsect_FINAL Section 3_160+00_00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



162+00.00



161+69.08



161+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj_date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj_date2$
DESIGN3-DETAILED3	$designer3$	$proj_date3$
REVISIONS 1	_____	$revision_date1$
REVISIONS 2	_____	$revision_date2$
REVISIONS 3	_____	$revision_date3$
REVISIONS 4	_____	$revision_date4$
FIELD CHANGES	$fieldchange$	$field_date$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

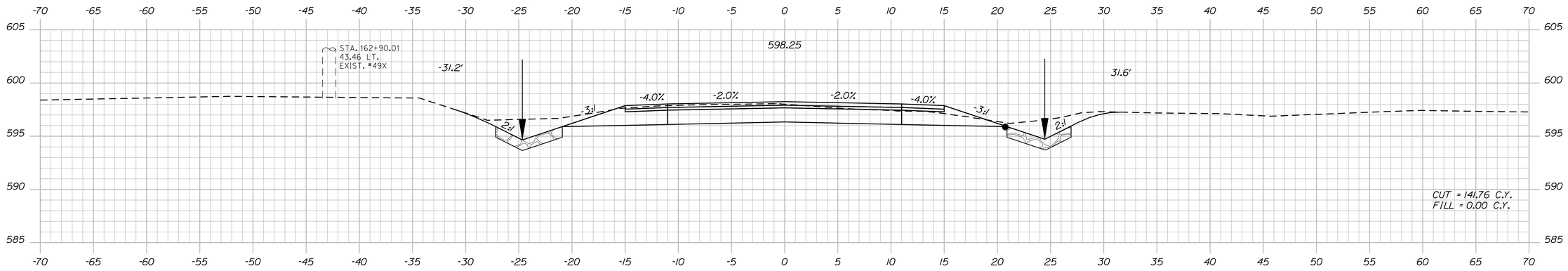
SHEET NUMBER

218

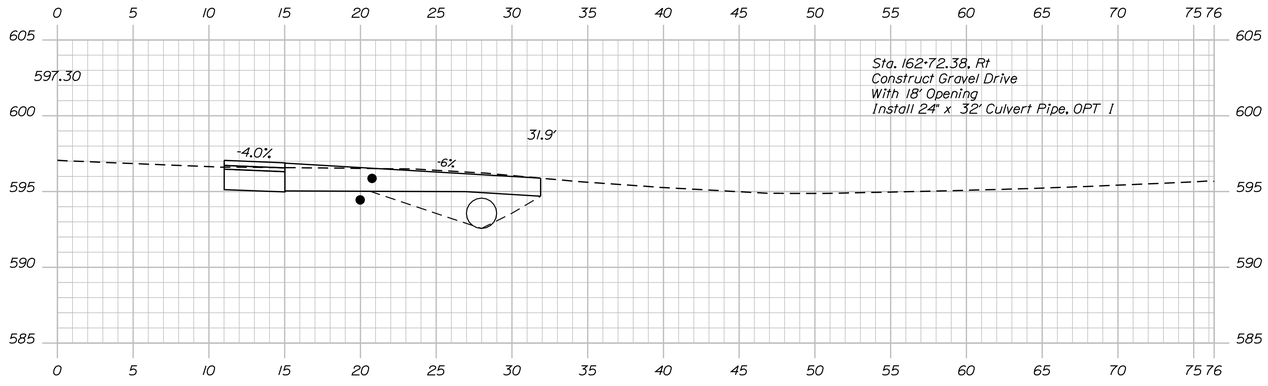
OF 329

Sta. 161+50.00 to Sta. 162+00.00

Filename: ...\218_Xsect_FINAL Section 3_161+50_01.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



163+00.00



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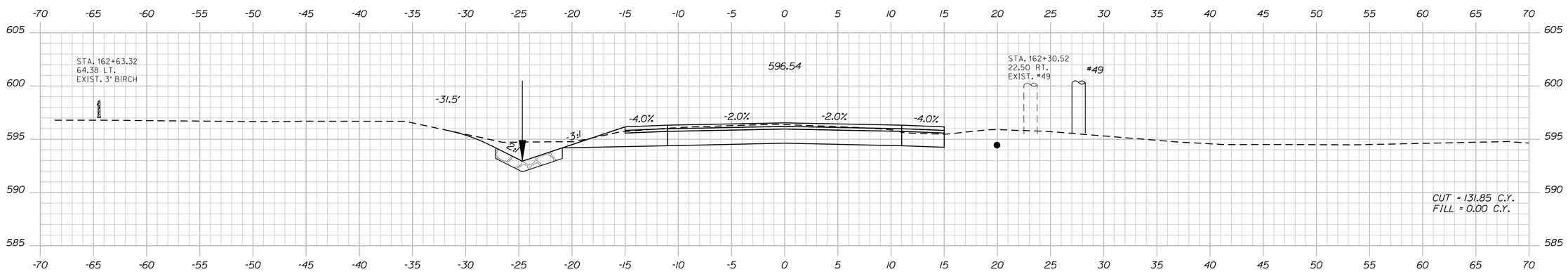


162+50.00

Sta. 162+50.00 to Sta. 163+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

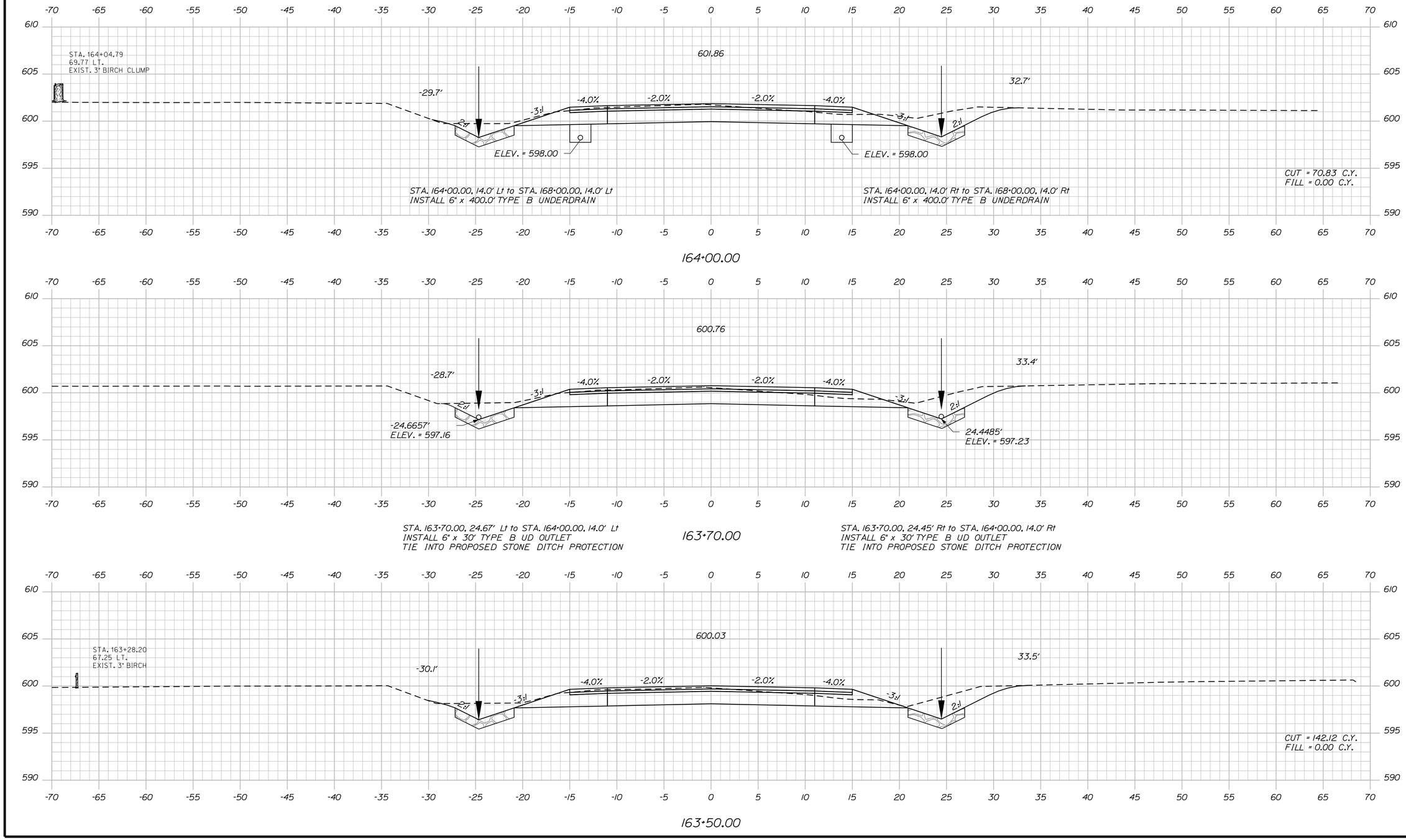
219

OF 329

Username: natasha.m.collins Date:3/4/2015

Division: HIGHWAY

Filename: ...\219_Xsect_FINAL Section 3_162+50_00.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

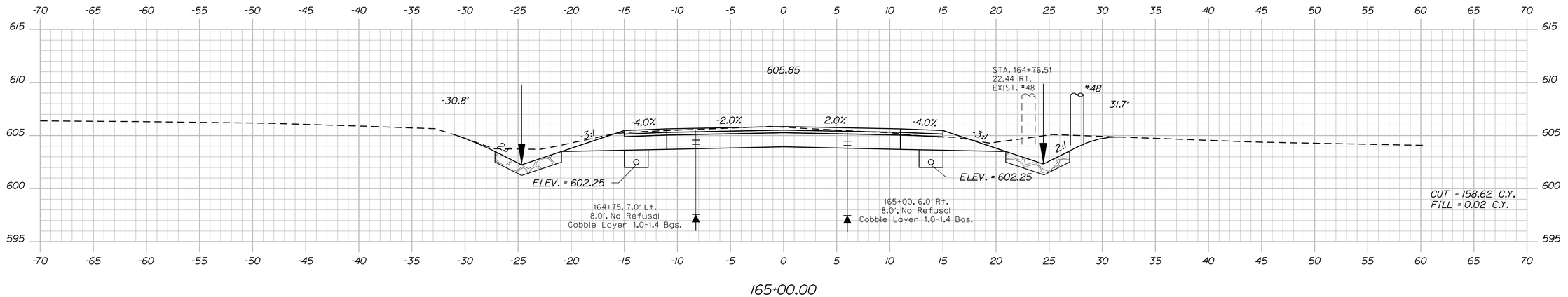
SHEET NUMBER

220

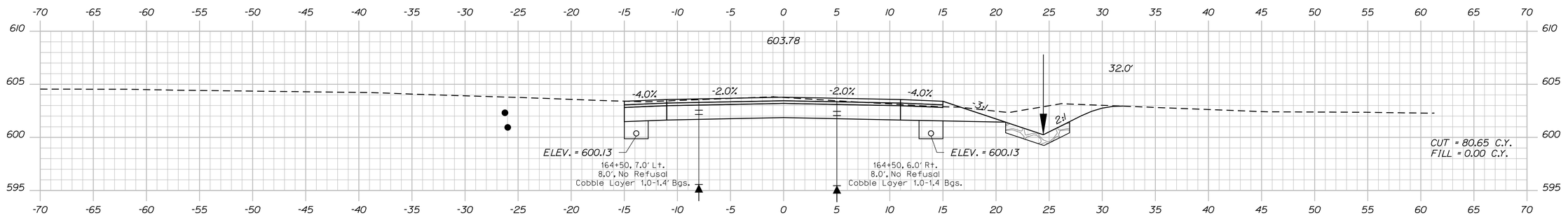
OF 329

Sta. 163+50.00 to Sta. 164+00.00

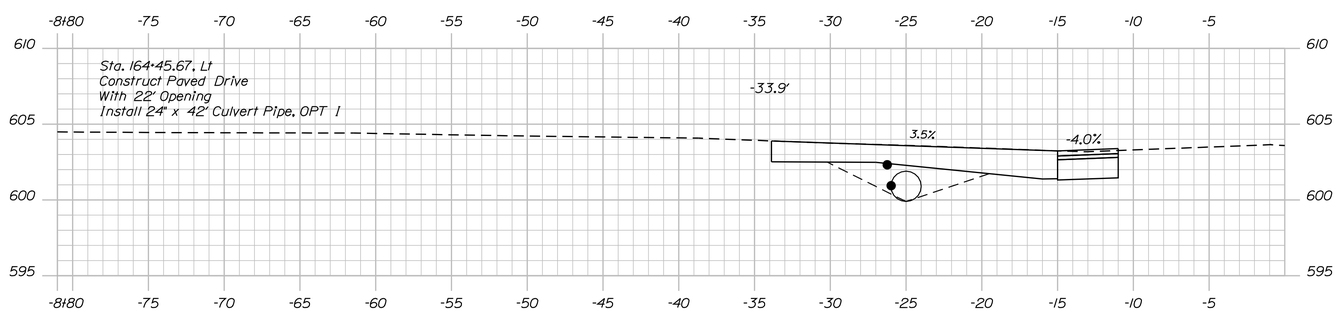
Filename: ...\220_Xsect_FINAL Section 3_163+50_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



165+00.00



164+50.00



164+45.67

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	$revdate1$	P.E. NUMBER
REVISIONS 2	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

SIGNATURE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

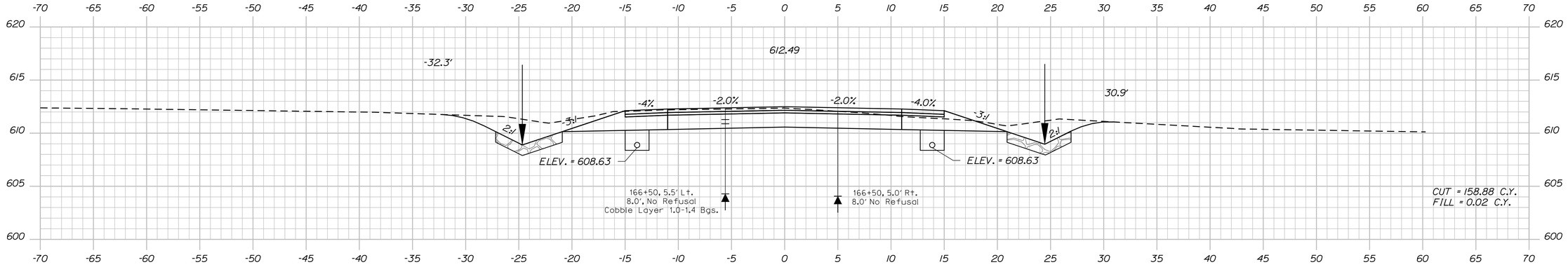
SHEET NUMBER

221

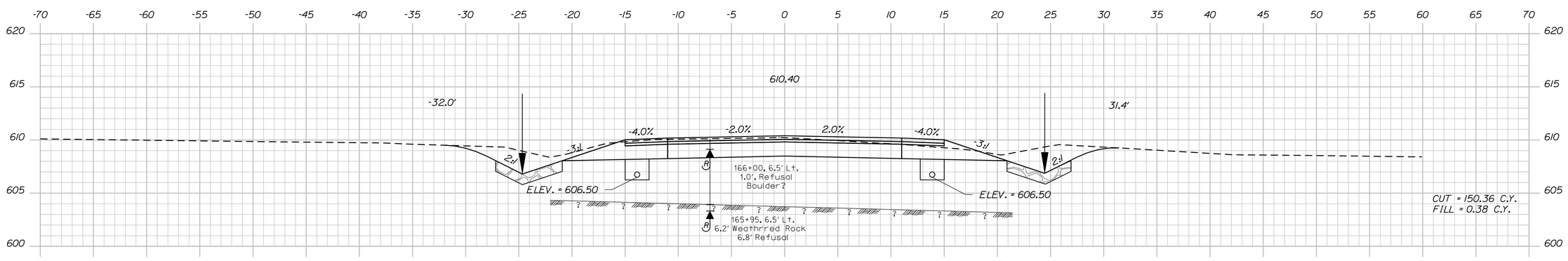
OF 329

Sta. 164+45.67 to Sta. 165+00.00

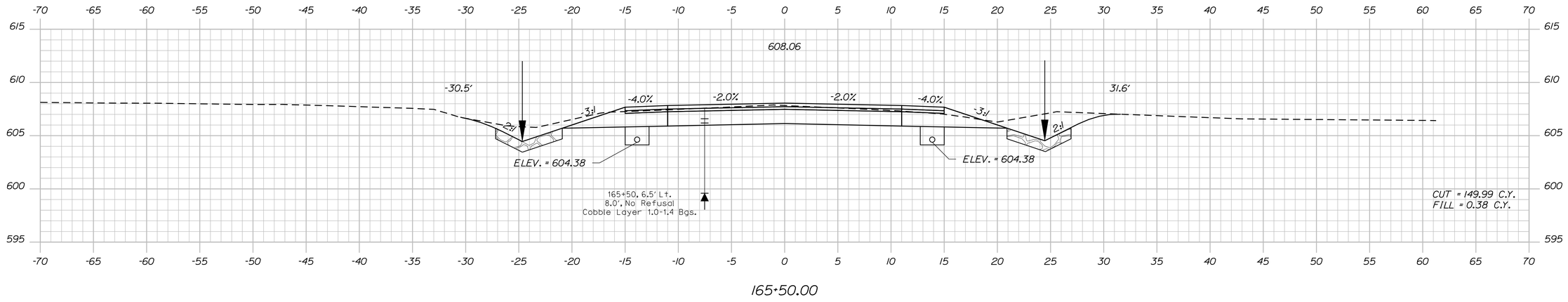
Filename: ...\221_Xsect_FINAL Section 3_164+45_00.dgn Division: HIGHWAY Date:3/4/2015 Username: natasha.m.collins



166+50.00



166+00.00



165+50.00

Sta. 165+50.00 to Sta. 166+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

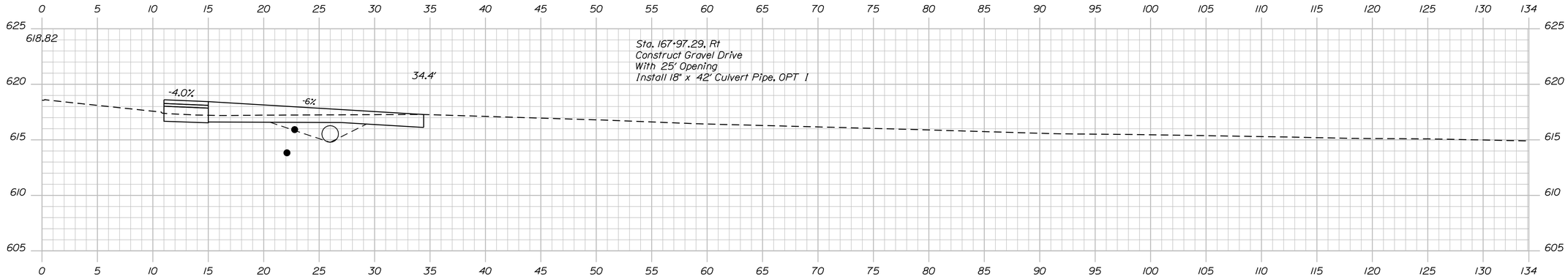
CROSS SECTIONS

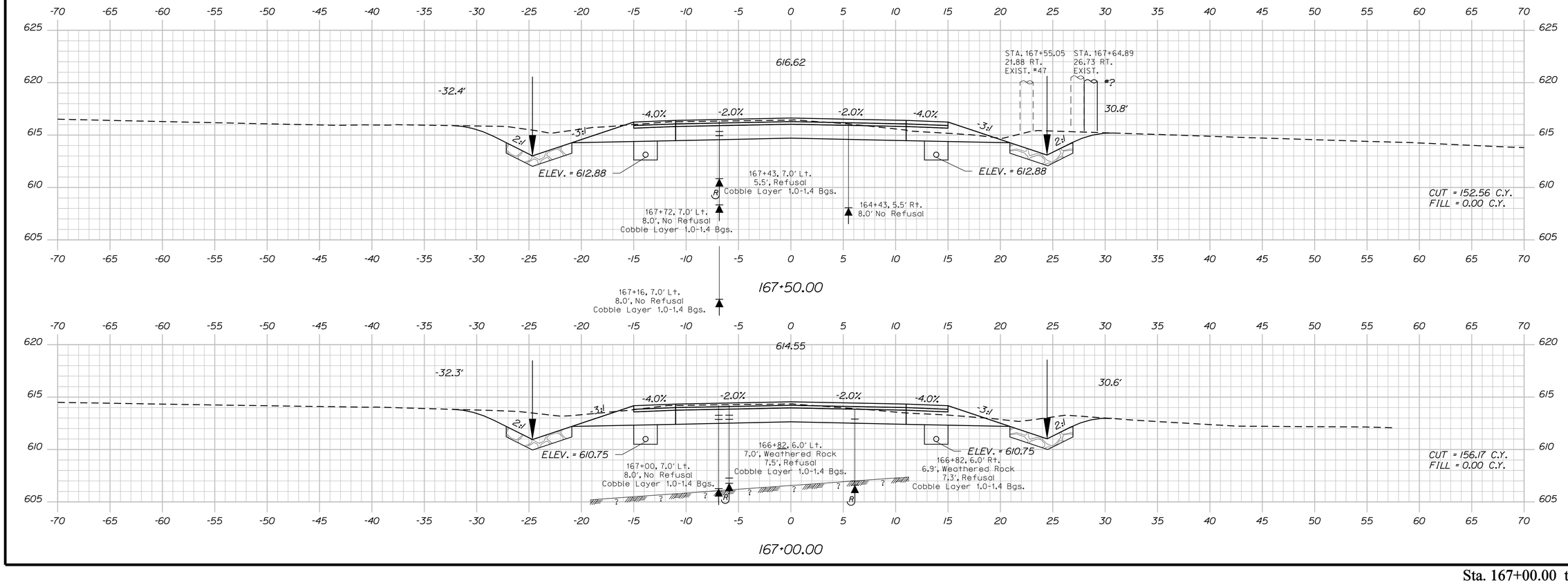
SHEET NUMBER

222

OF 329

Filename: ...\222_Xsect_FINAL Section 3_165+50_DRAFT.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015





Sta. 167+00.00 to Sta. 167+97.30

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

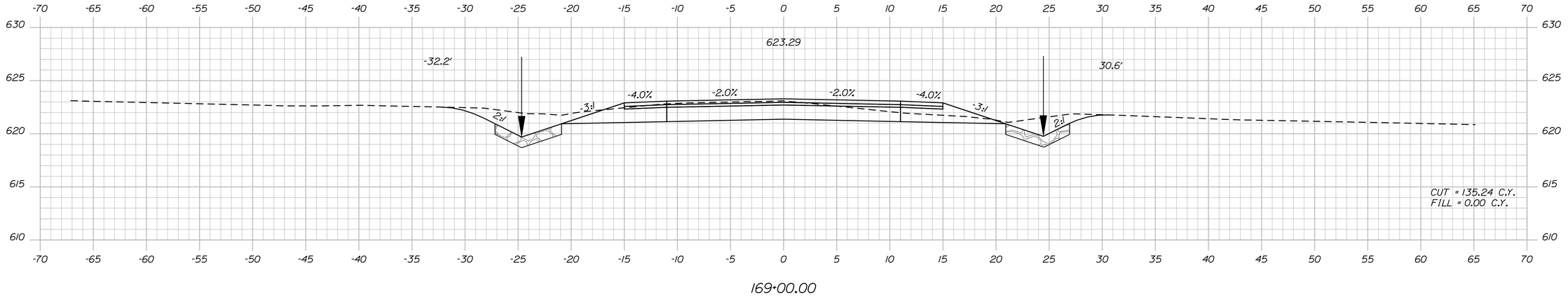
CROSS SECTIONS

SHEET NUMBER

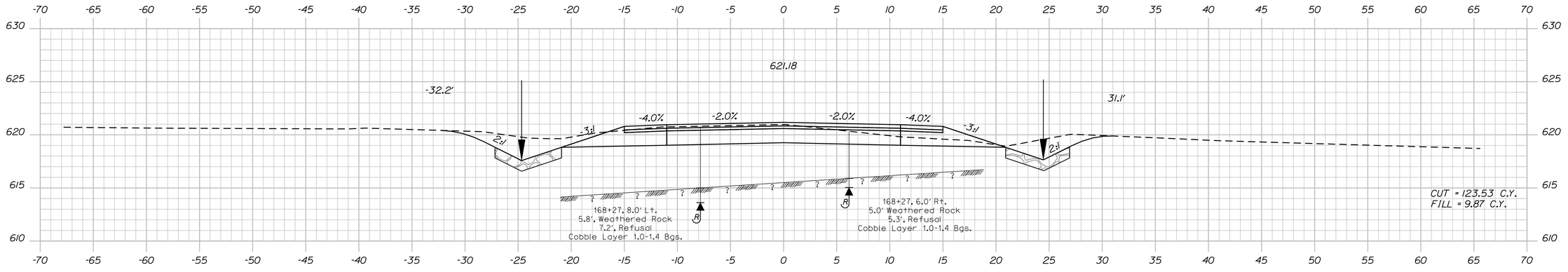
223

OF 329

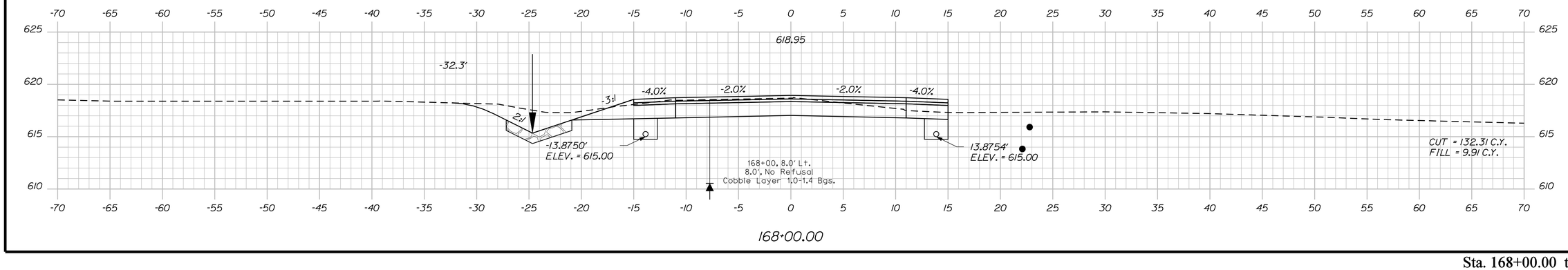
Filename: ...\223_Xsect_FINAL Section 3_167+00_Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



169+00.00



168+50.00



168+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

224

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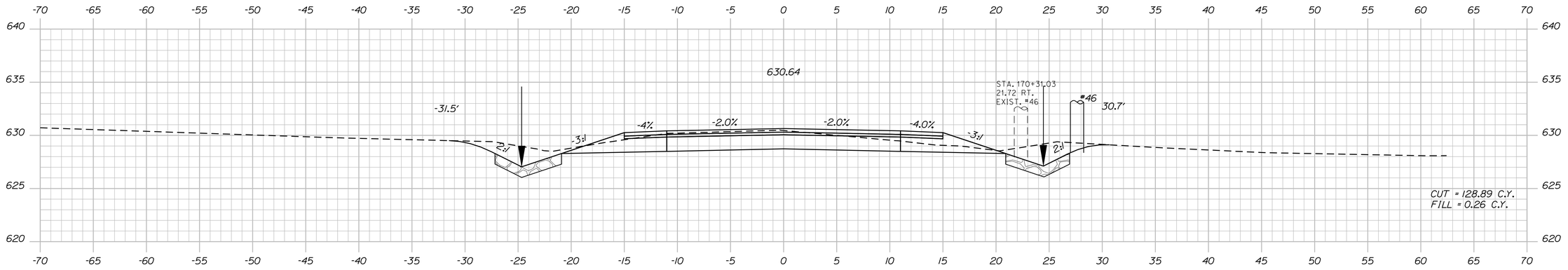
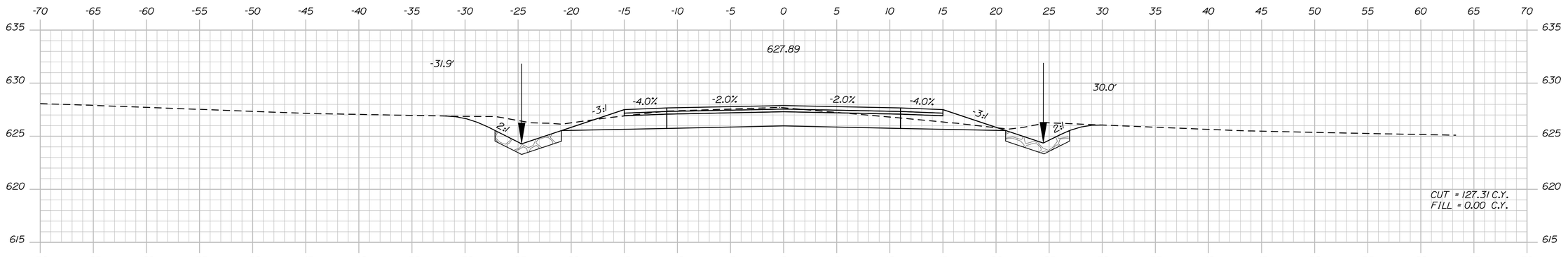
Sta. 168+00.00 to Sta. 169+00.00

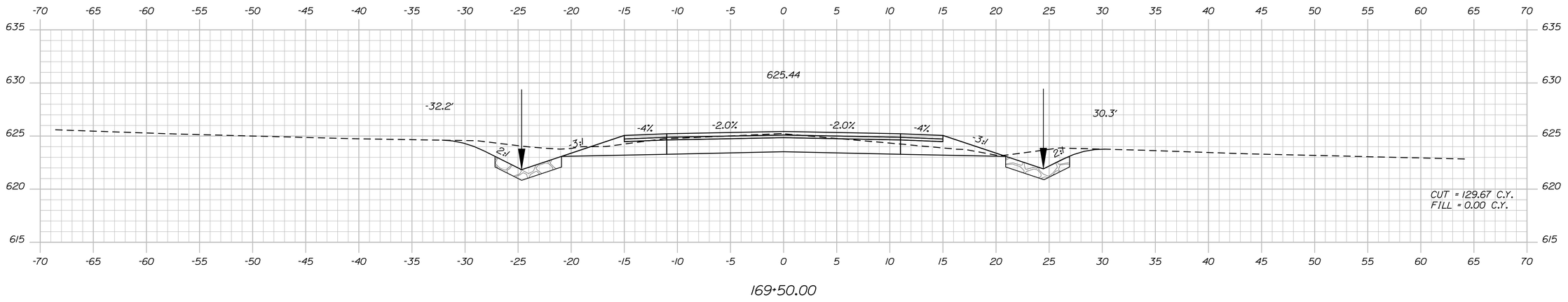
Filename: ...\224_Xsect_FINAL Section 3_168+00_Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



170+50.00



170+00.00



169+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$	------	$revdate3$
REVISIONS 4	$revision4$	------	$revdate4$
FIELD CHANGES	$fieldchange$	------	$fielddate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

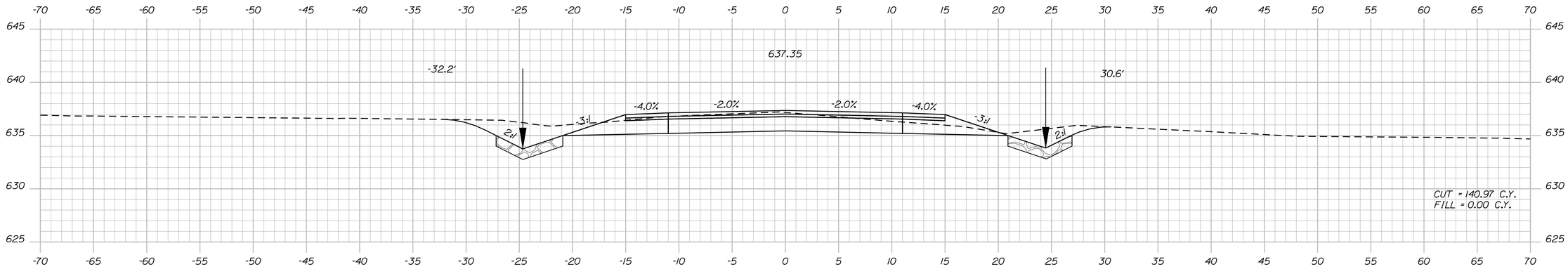
SHEET NUMBER

225

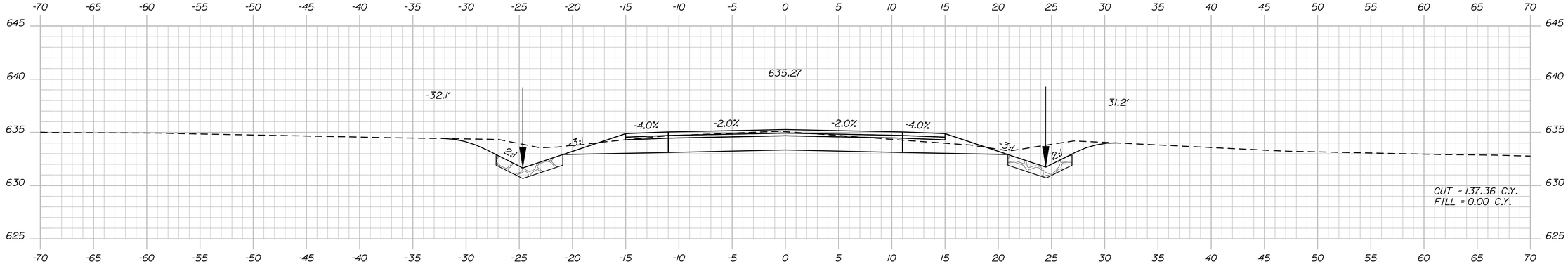
OF 329

Sta. 169+50.00 to Sta. 170+50.00

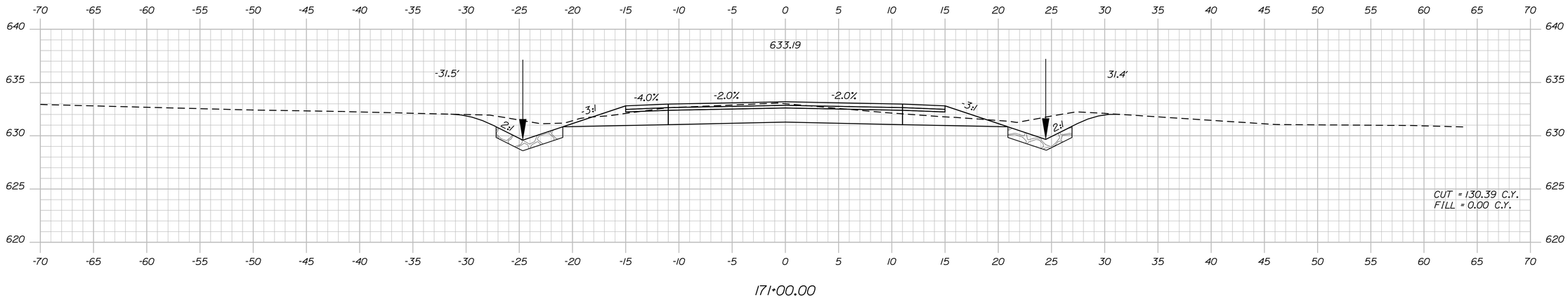
Filename: ...\225_Xsect_FINAL Section 3_169+50_00.dgn Username: natasha.m.collins Date:3/4/2015



172+00.00



171+50.00



171+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	$revision1$	$revdate1$
REVISIONS 2	-----	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

226

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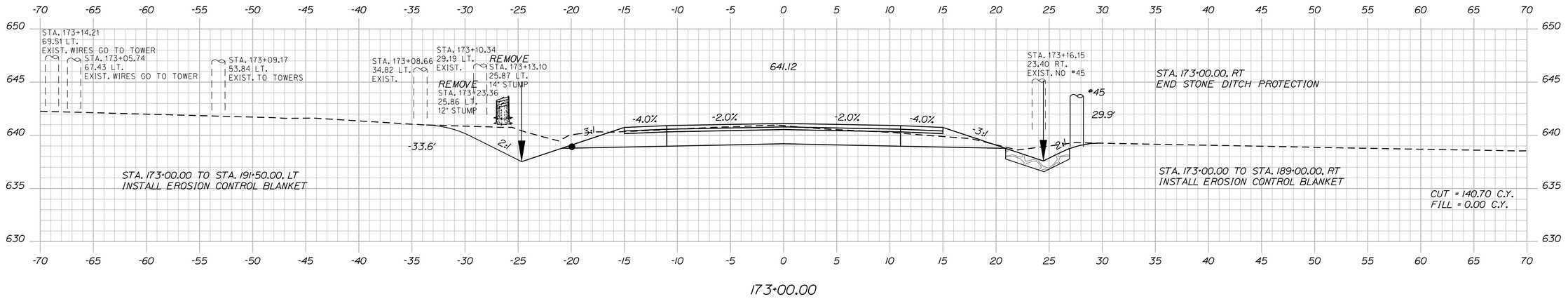
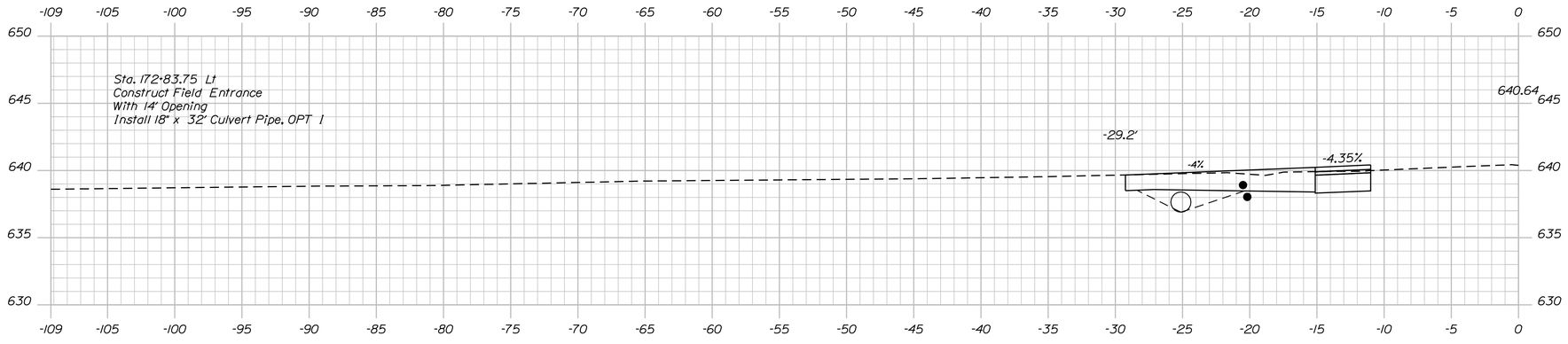
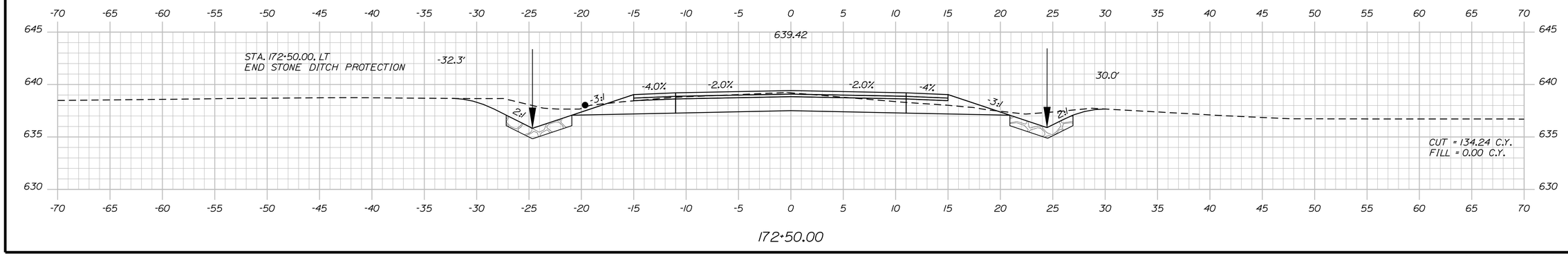
Sta. 171+00.00 to Sta. 172+00.00

Filename: ...\226_Xsect_FINAL Section 3_171+00_06.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015







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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		DATE	
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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227

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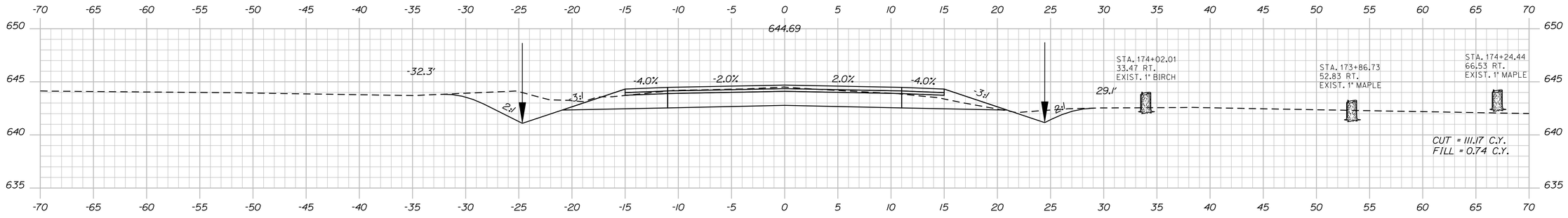
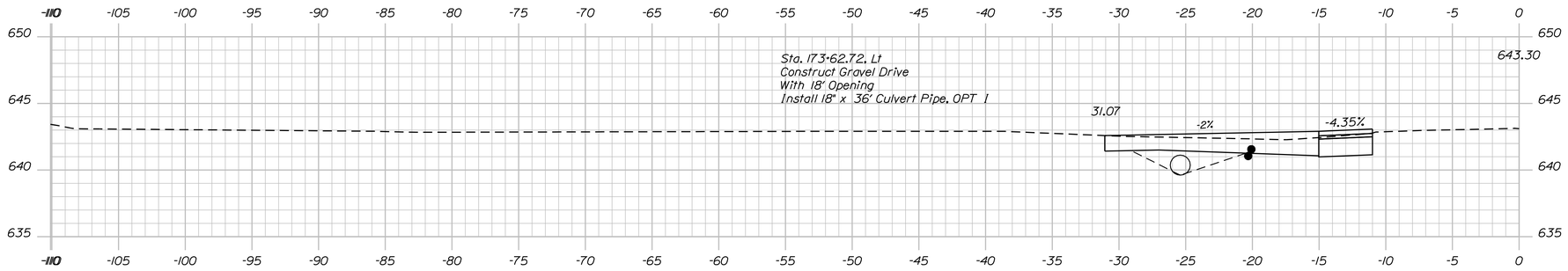
Sta. 172+50.00 to Sta. 173+00.00

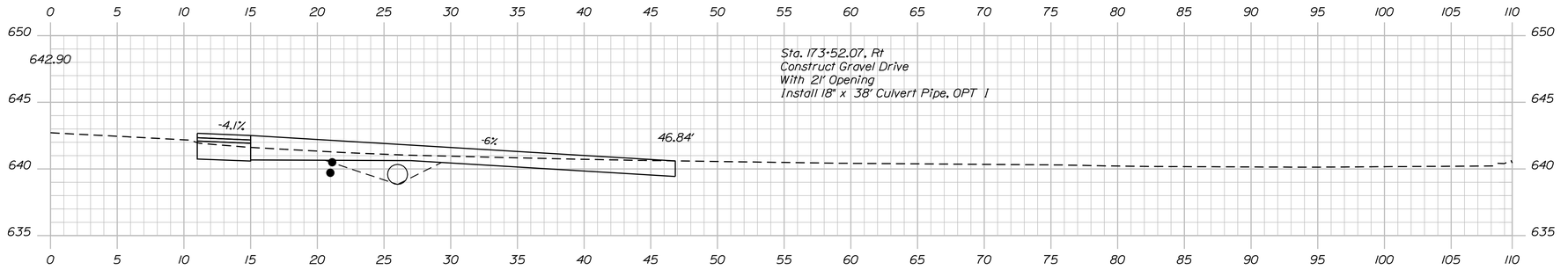
Filename: ...\227_Xsect_FINAL Section 3_172+50_173+00.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



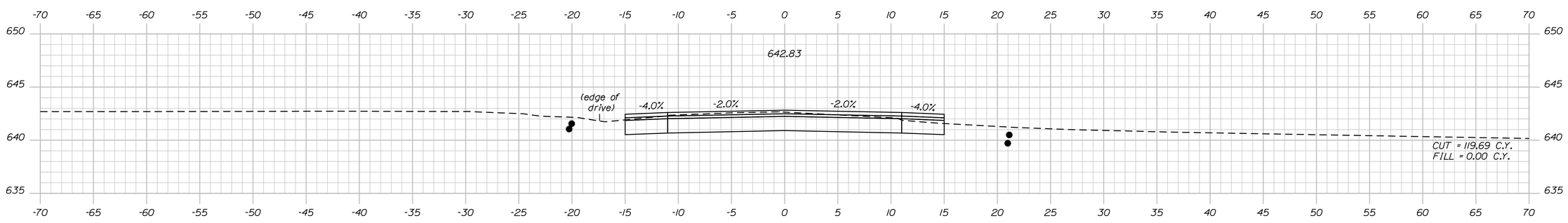
174+00.00



173+62.72



173+52.07



173+50.00

Sta. 173+50.00 to Sta. 174+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$date1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$date2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

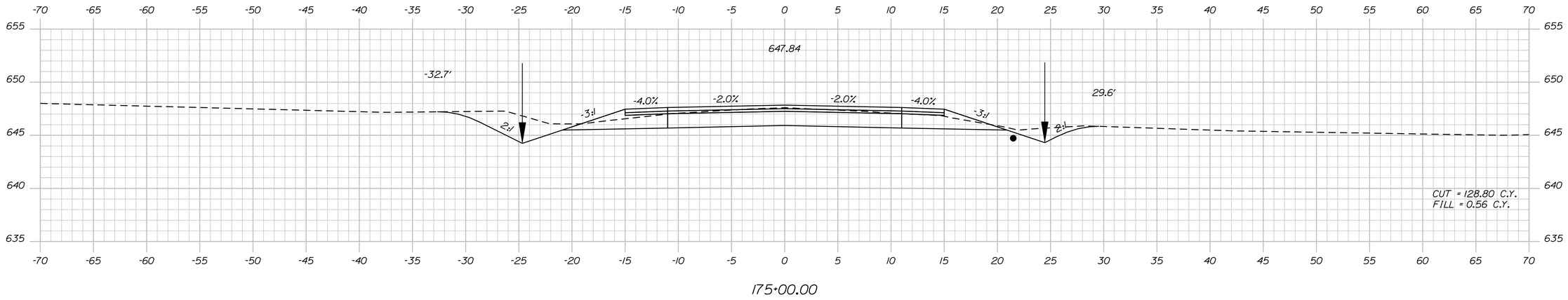
SHEET NUMBER

228

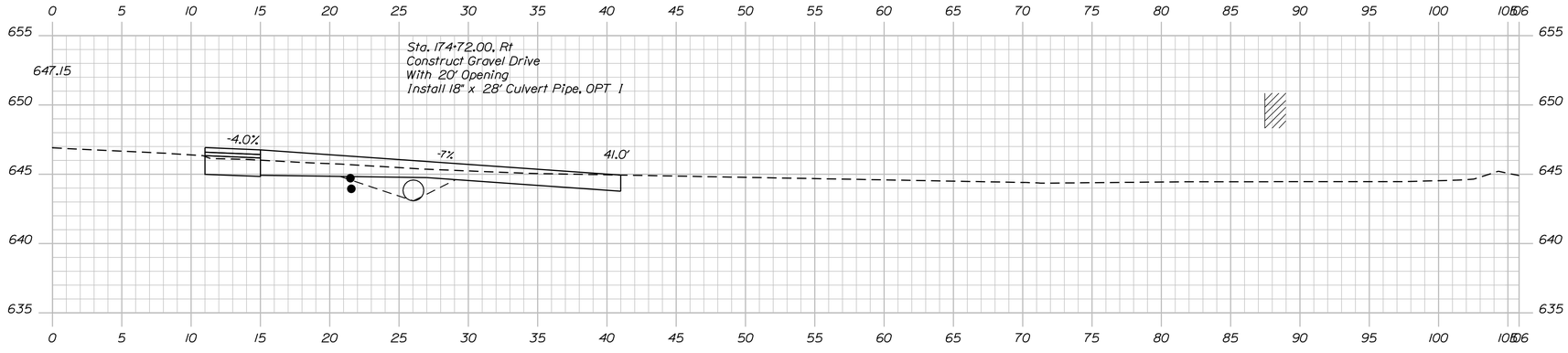
OF 329

Username: natasha.m.collins Date:3/4/2015

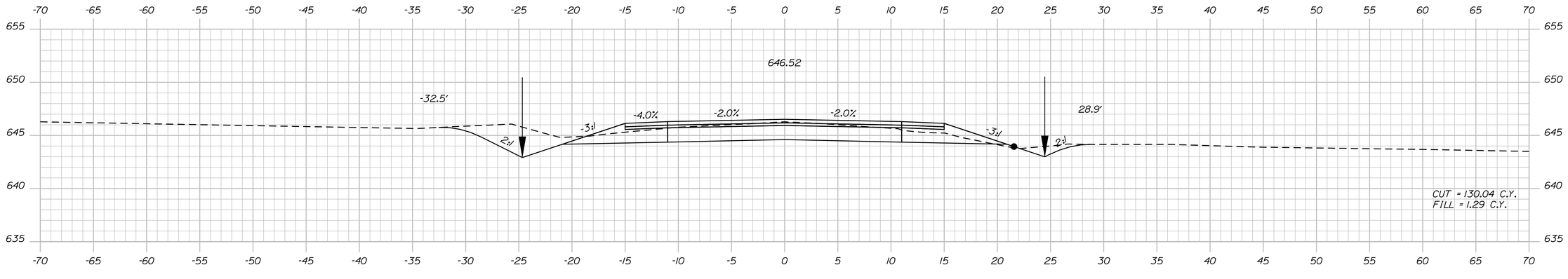
Filename: ...\228_Xsect_FINAL Section 3_173+50_174+00.dgn Design: HIGHWAY



175+00.00



174+72.00



174+50.00

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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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Sta. 174+50.00 to Sta. 175+00.00

Filename: ...\229_Xsect_FINAL Section 3_174+50_175+00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Username: natasha.m.collins Date:3/4/2015
Filename: ...\230_Xsect_FINAL Section 3_175+50_176+50.dgn Design: HIGHWAY

STATE OF MAINE
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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	
REVISIONS 2	-----	-----	$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	DATE
REVISIONS 4	$revision4$		$revdate4$	
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
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CROSS SECTIONS

SHEET NUMBER

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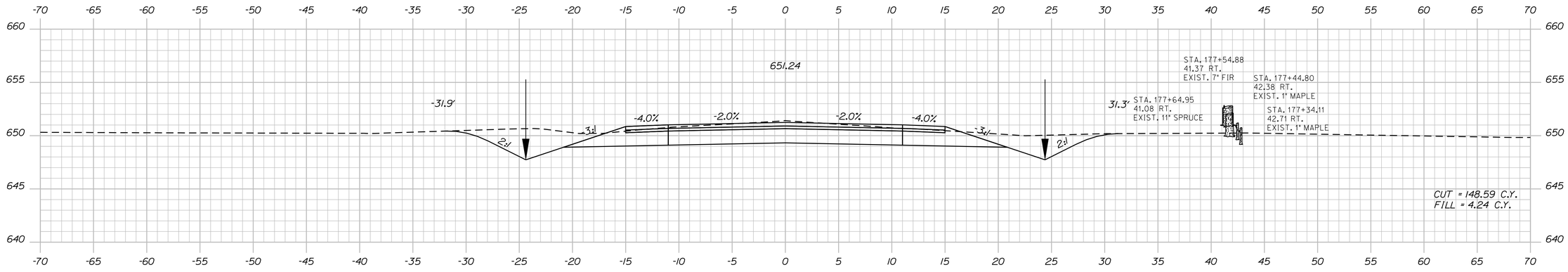
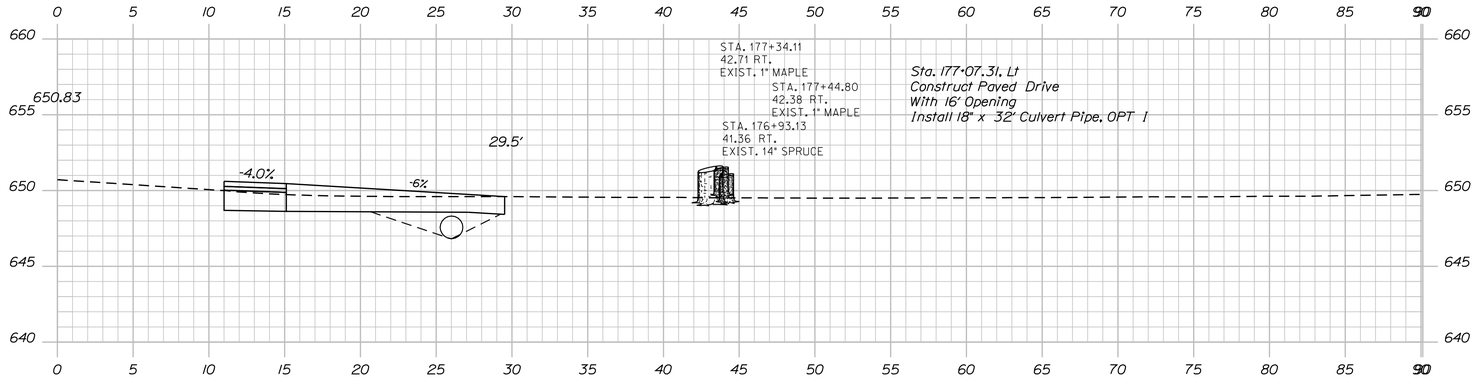
Sta. 175+50.00 to Sta. 176+50.00



177+50.00



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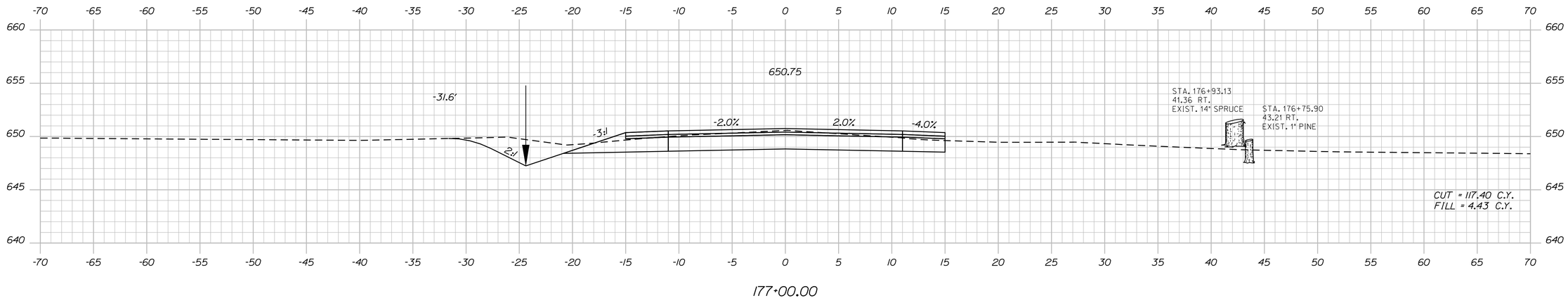


177+00.00

Sta. 177+00.00 to Sta. 177+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$	------	$revdate3$
REVISIONS 4	$revision4$	------	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

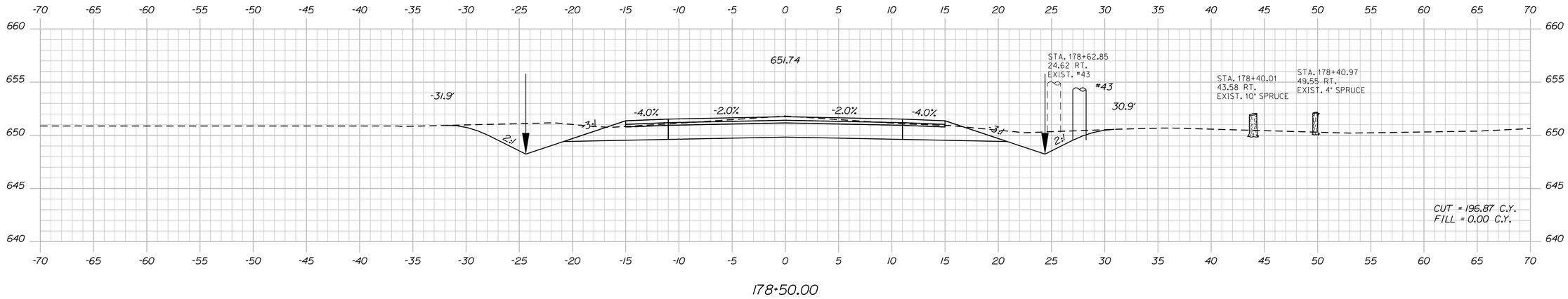
CROSS SECTIONS

SHEET NUMBER

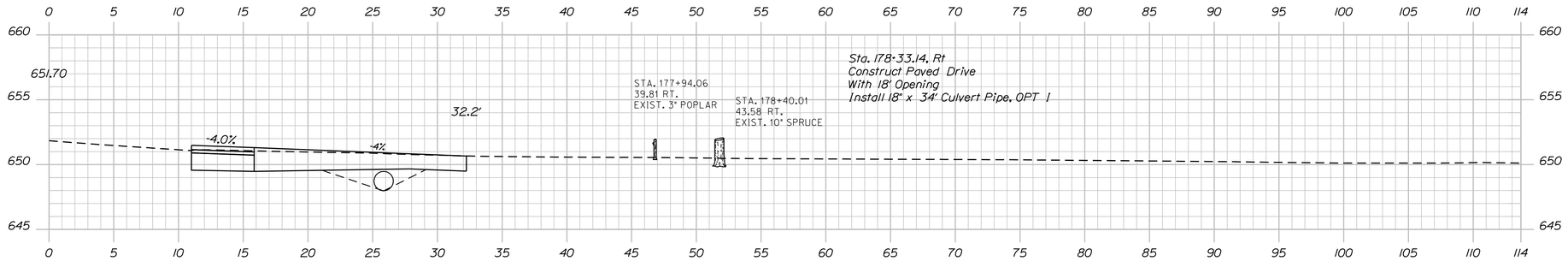
231

OF 329

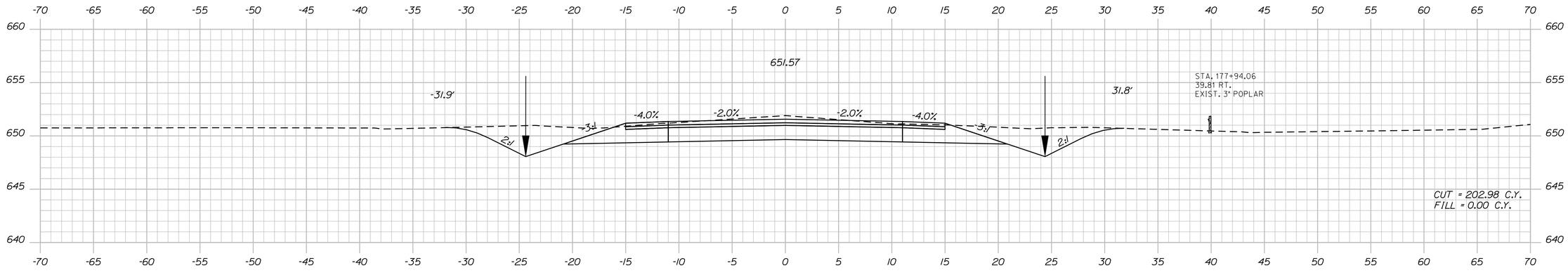
Filename: ...\231_Xsect_FINAL Section 3_177+00_00.dgn Username: natasha.m.collins Date:3/4/2015



178+50.00



178+33.14



178+00.00

STATE OF MAINE
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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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OF 329

Sta. 178+00.00 to Sta. 178+50.00

Filename: ...\232_Xsect_FINAL Section 3_178+00_178+50.dgn Username: natasha.m.collins Date:3/4/2015 Design: HIGHWAY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$

	P.E. NUMBER	DATE
REVISIONS 1	-----	-----
REVISIONS 2	$revision3$	$revdate3$
REVISIONS 3	$revision4$	$revdate4$
REVISIONS 4	$fieldchange$	$fieldate$

CARIBOU
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233

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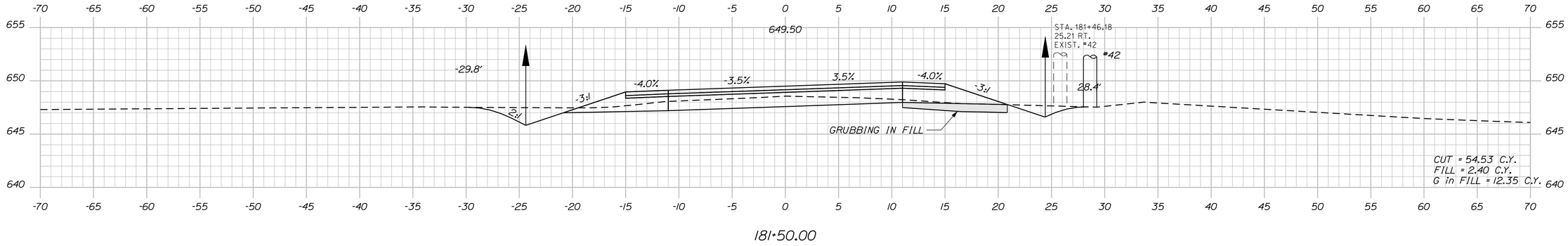
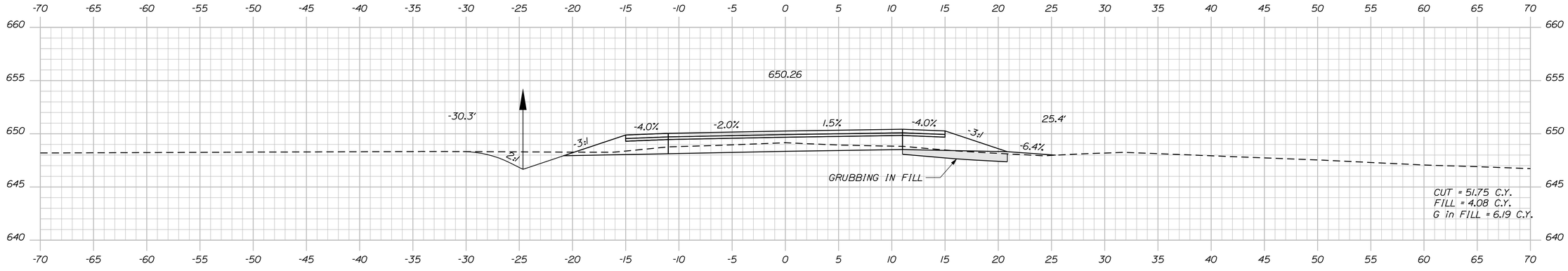
Sta. 179+00.00 to Sta. 180+00.00

Filename: ...\233_Xsect_FINAL Section 3_179+00_180+00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



181+50.00



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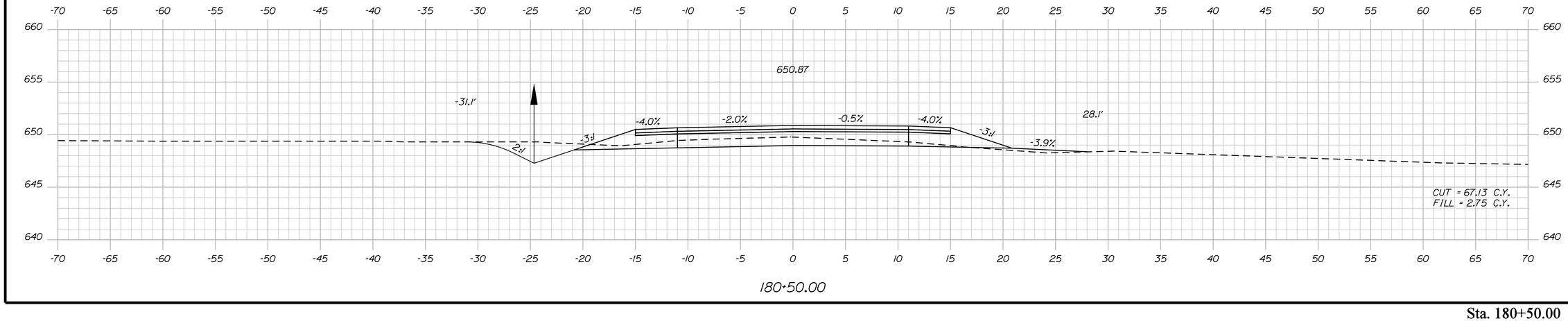

180+50.00

STATE OF MAINE
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PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

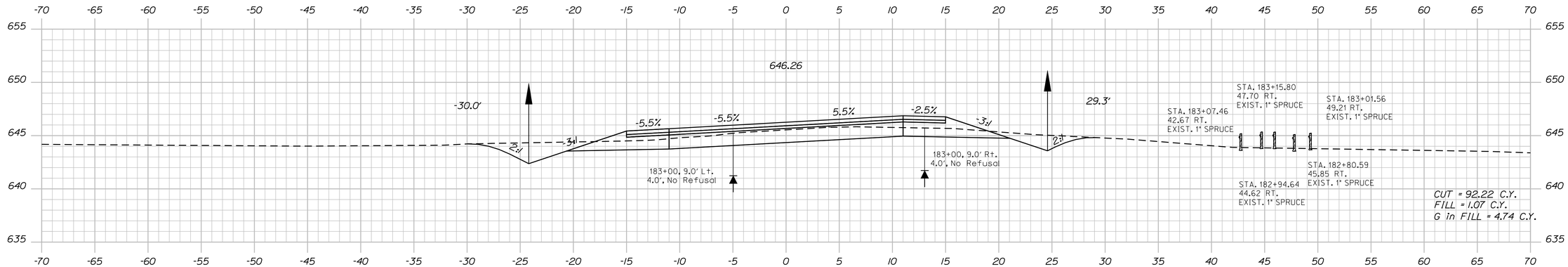
SHEET NUMBER

234

OF 329

Sta. 180+50.00 to Sta. 181+50.00

Filename: ...\234_Xsect_FINAL Section 3_180+50_DWG.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

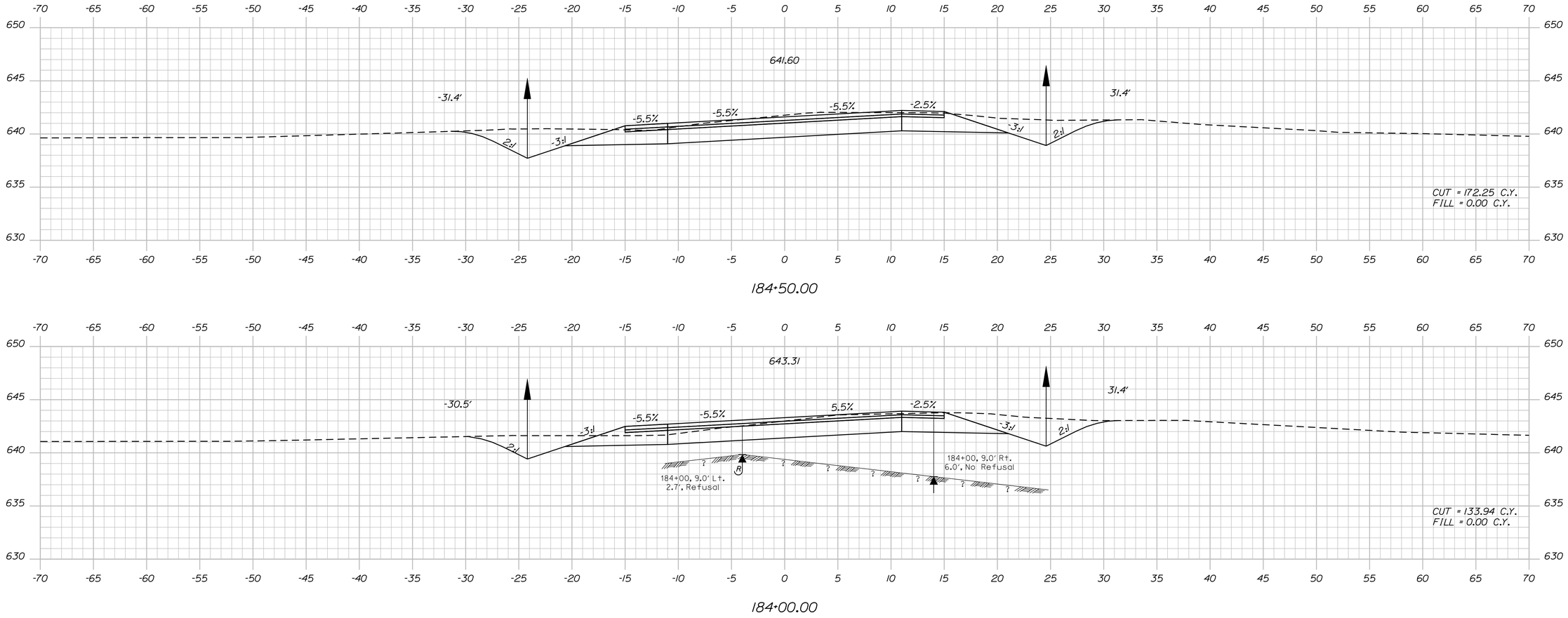
SHEET NUMBER

235

OF 329

Sta. 182+00.00 to Sta. 183+00.00

Filename: ...\235_Xsect_FINAL Section 3_182+00_0 Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



Sta. 183+50.00 to Sta. 184+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$	$designer1$	$proj.date1$
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$	-----	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

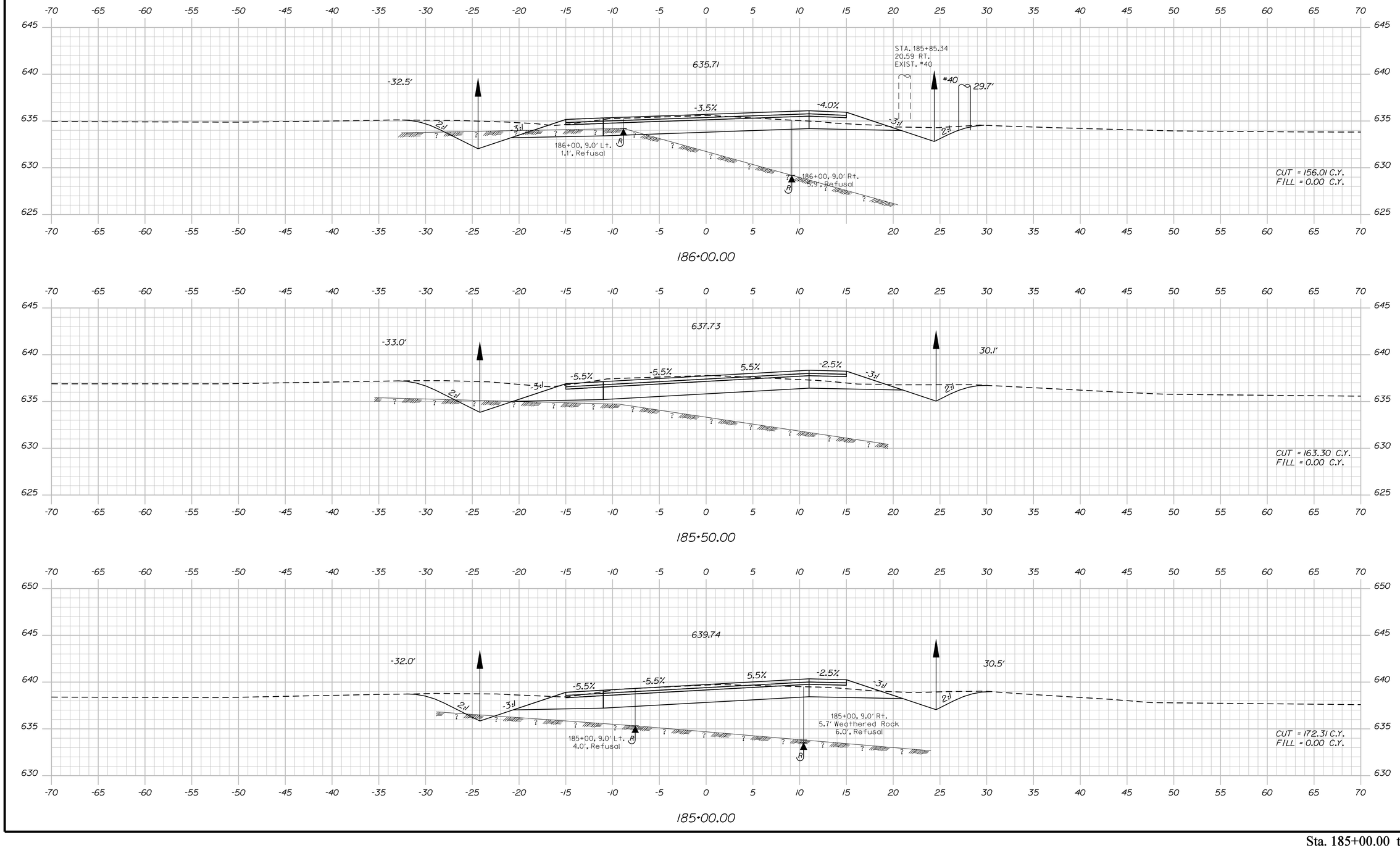
CROSS SECTIONS

SHEET NUMBER

236

OF 329

Filename: ...\236_Xsect_FINAL Section 3_183+50_184+50.dgn Username: natasha.m.collins Date:3/4/2015
Design: HIGHWAY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

237

OF 329

Sta. 185+00.00 to Sta. 186+00.00

Filename: ...\237_Xsect_FINAL Section 3_185+00_03.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 186+50.00 to Sta. 187+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

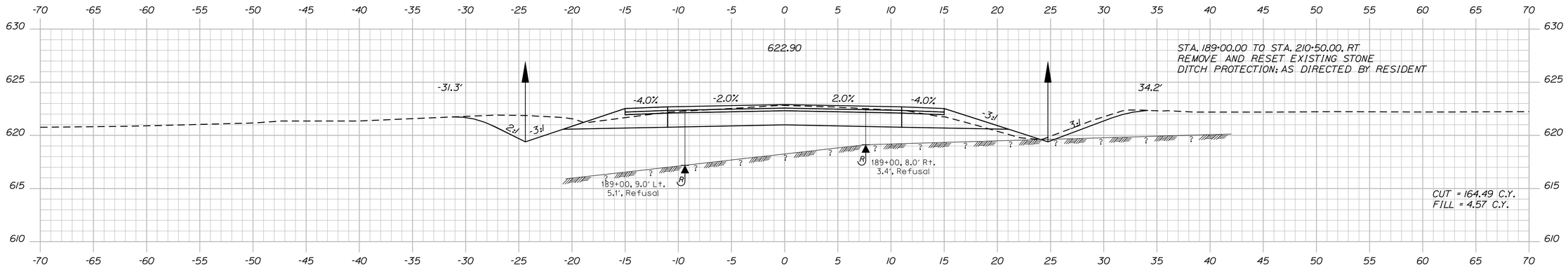
CROSS SECTIONS

SHEET NUMBER

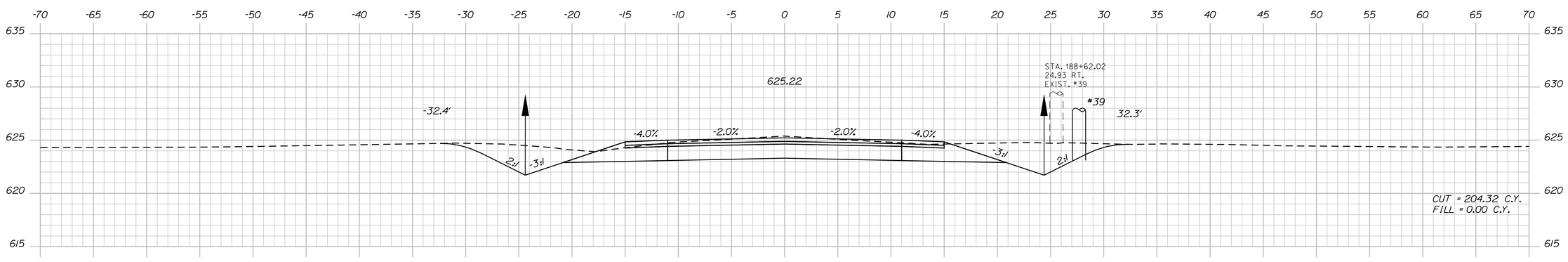
238

OF 329

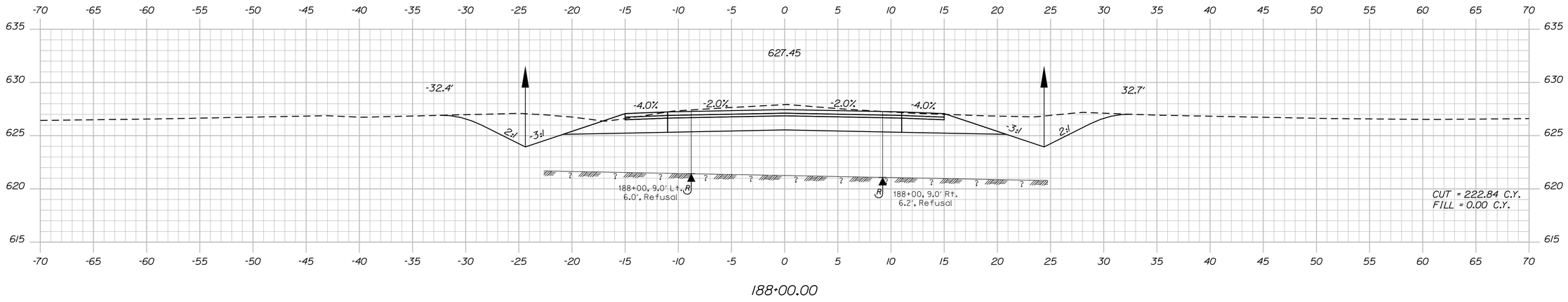
Filename: ...\238_Xsect_FINAL Section 3_186+50_DRAFT.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



189+00.00



188+50.00



188+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	$revision1$	$revdate1$
REVISIONS 2	-----	$revision2$	$revdate2$
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

239

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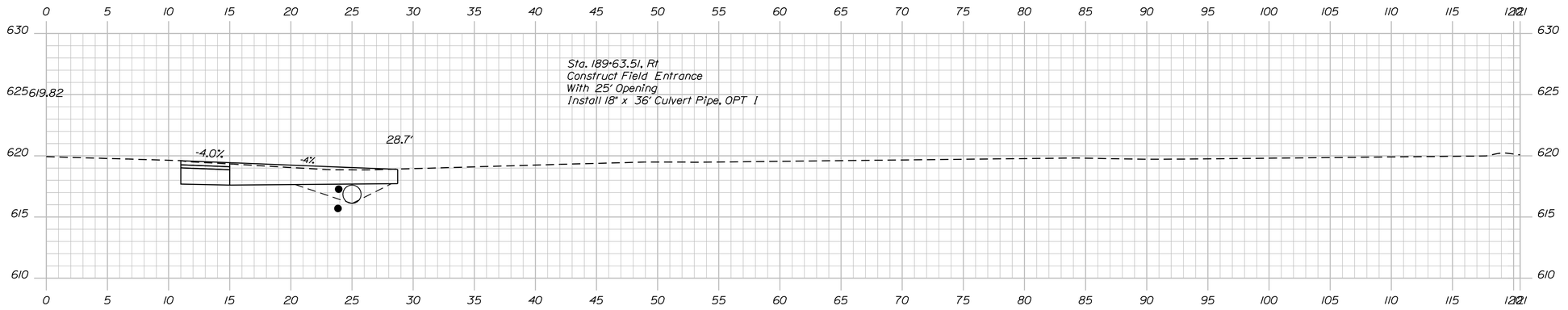
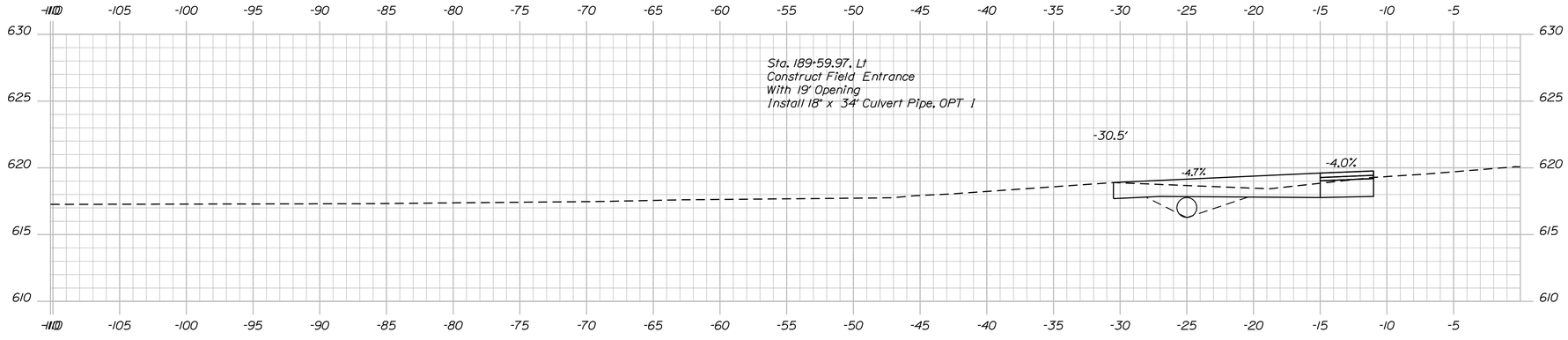
Sta. 188+00.00 to Sta. 189+00.00

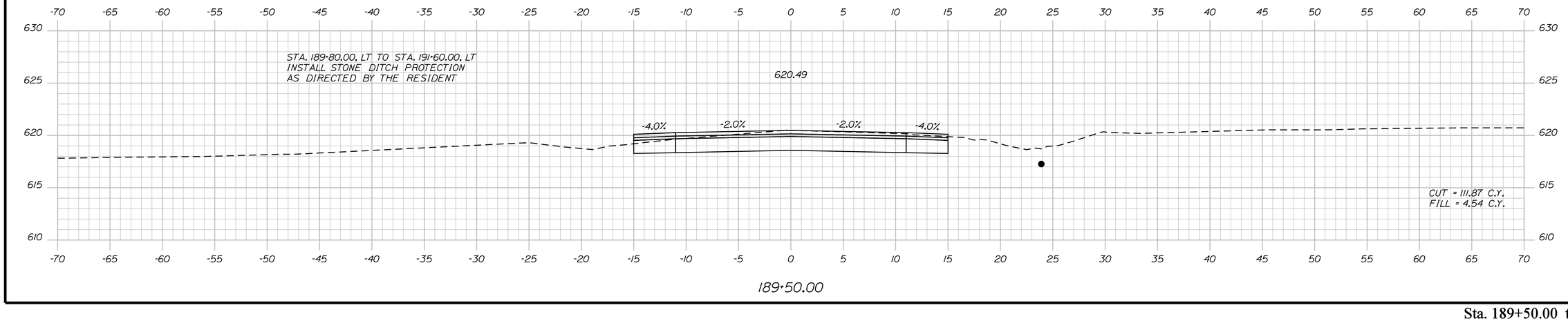
Filename: ...\239_Xsect_FINAL Section 3_188+00_Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



189+63.51



189+59.97



189+50.00

Sta. 189+50.00 to Sta. 189+63.51

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

240

OF 329

Filename: ...\240_Xsect_FINAL Section 3_189+50_DX03.dgn Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

241

OF 329

Sta. 190+00.00 to Sta. 191+00.00

Filename: ...\241_Xsect_FINAL Section 3_190+00_00.dgn Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$proj date1$	$proj date2$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date3$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date4$
REVISIONS 1	-----	-----	P.E. NUMBER
REVISIONS 2	$revision3$	$revdate3$	$revdate4$
REVISIONS 3	$revision3$	$revdate3$	$revdate4$
REVISIONS 4	$revision4$	$revdate4$	$revdate5$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

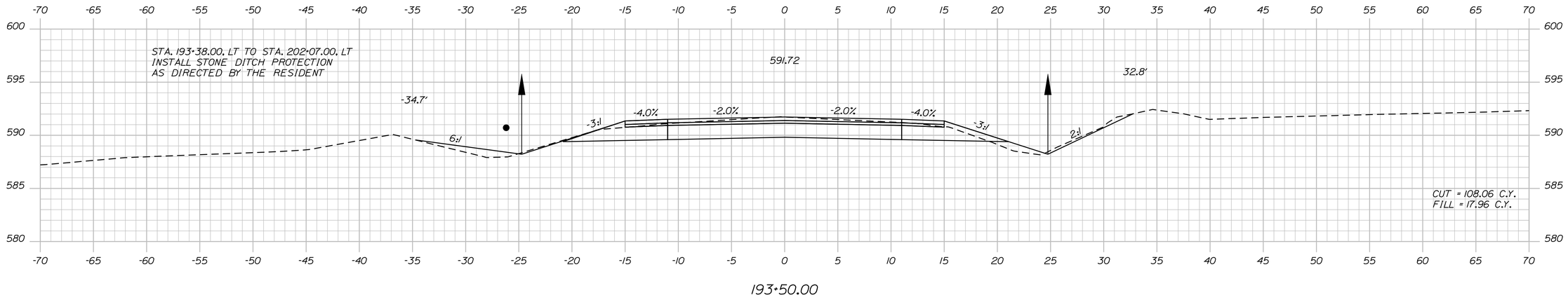
SHEET NUMBER

242

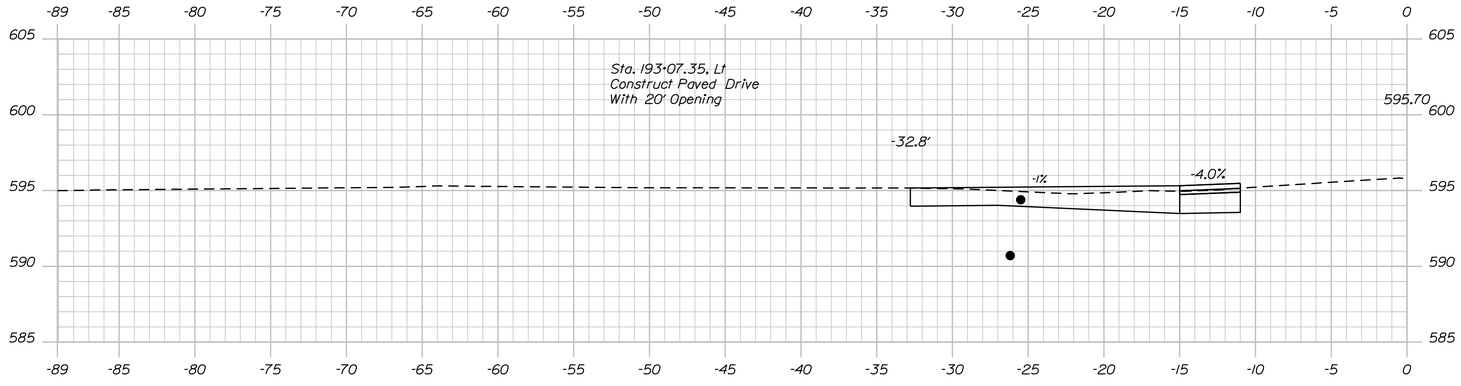
OF 329

Sta. 191+50.00 to Sta. 192+50.00

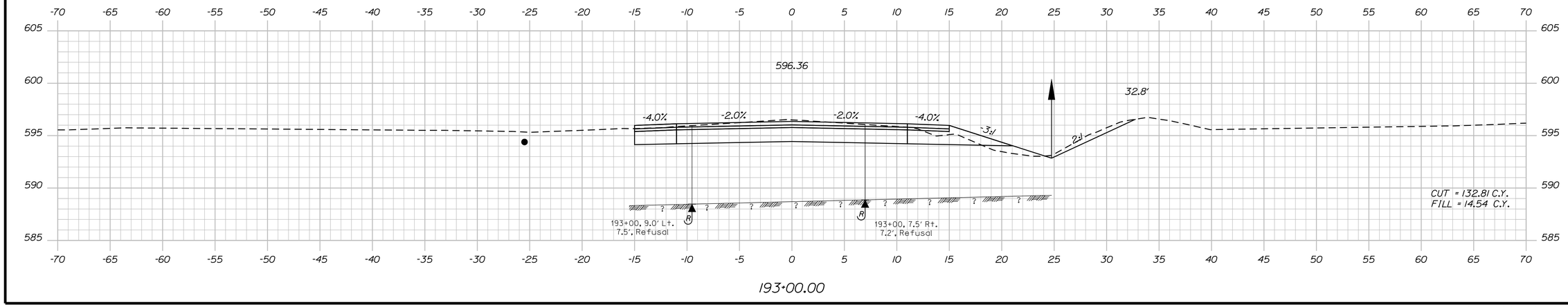
Filename: ...\242_Xsect_FINAL Section 3_191+50_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



193+50.00



193+07.35



193+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$prodate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

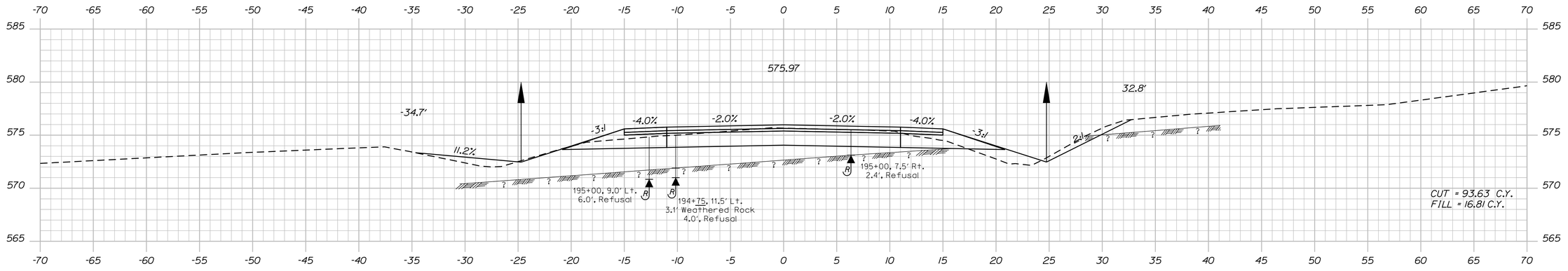
SHEET NUMBER

243

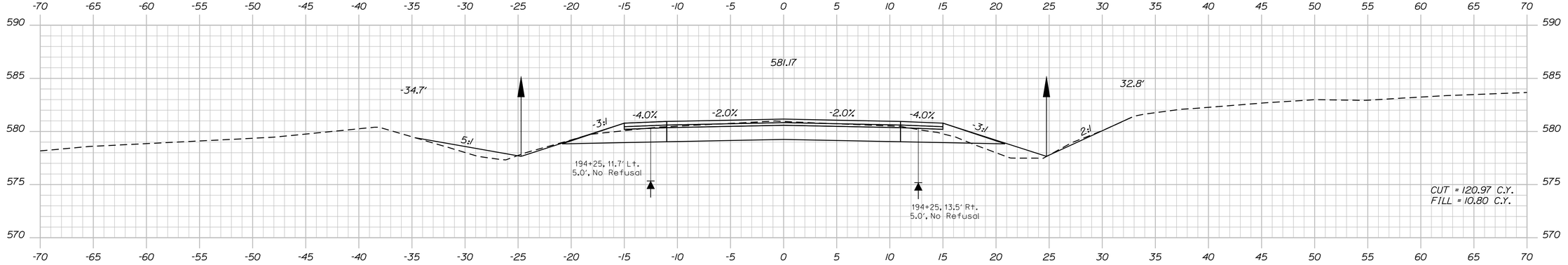
OF 329

Sta. 193+00.00 to Sta. 193+50.00

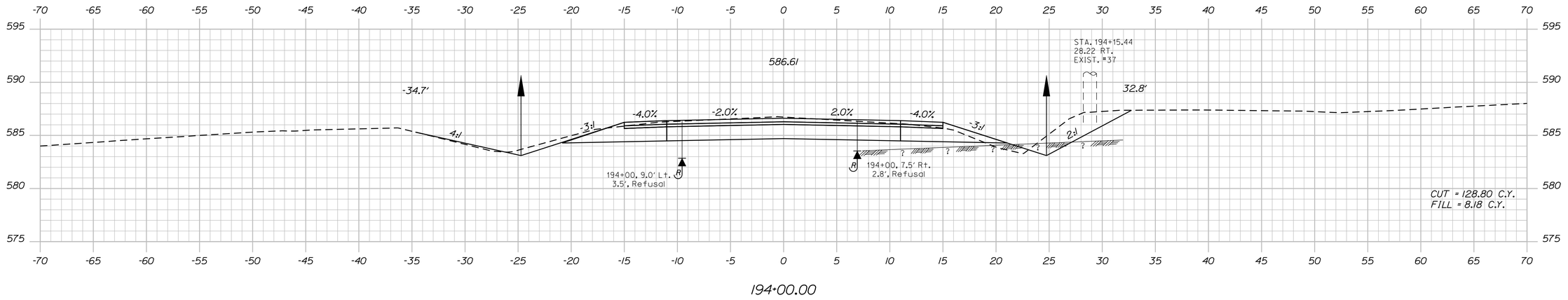
Filename: ...\243_Xsect_FINAL Section 3_193+00_DX.dgn Username: natasha.m.collins Date:3/4/2015



195+00.00



194+50.00



194+00.00

STATE OF MAINE
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STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

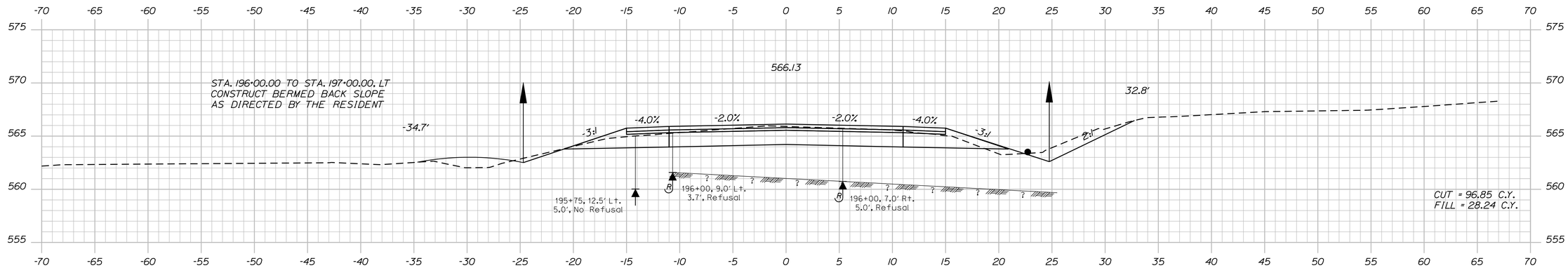
SHEET NUMBER

244

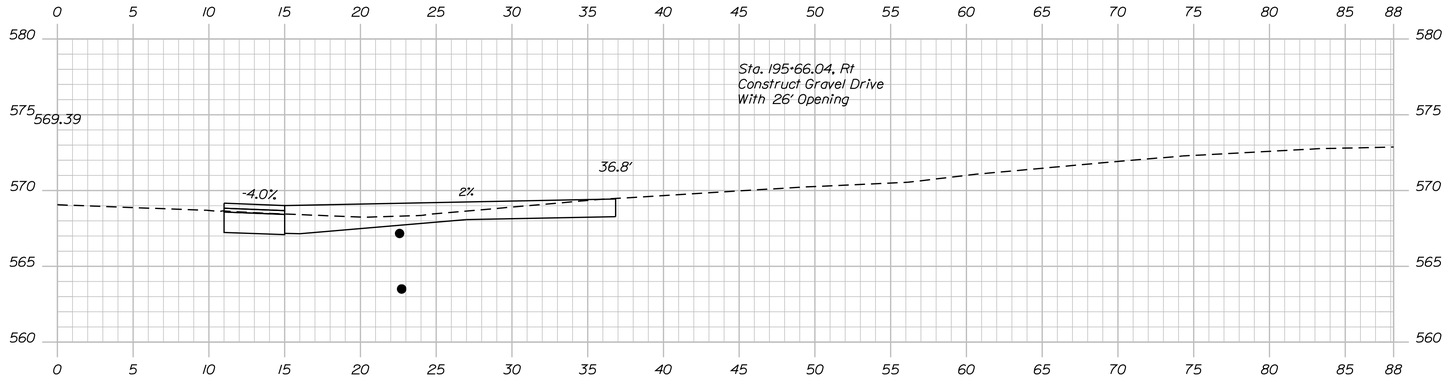
OF 329

Sta. 194+00.00 to Sta. 195+00.00

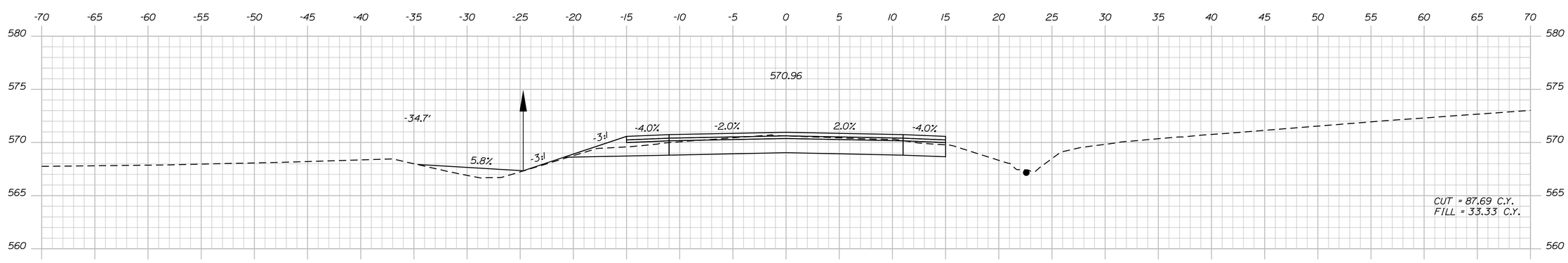
Filename: ...\244_Xsect_FINAL Section 3_194+00_0144.dgn Username: natasha.m.collins Date:3/4/2015



196+00.00



195+66.04



195+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

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CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

245

OF 329

Sta. 195+50.00 to Sta. 196+00.00

Filename: ...\245_Xsect_FINAL Section 3_195+50_00.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	$designer2$	$detailer2$	$proj date2$
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

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246

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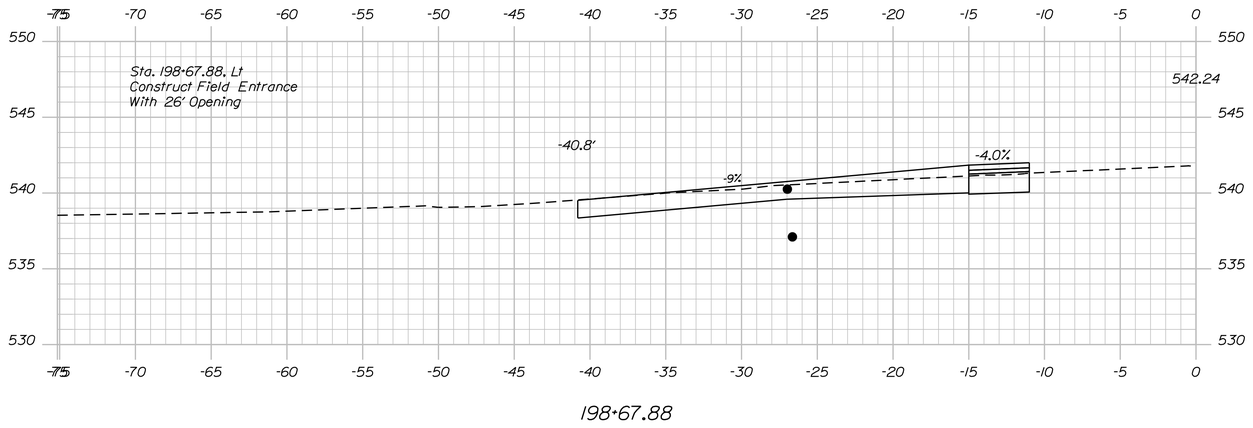
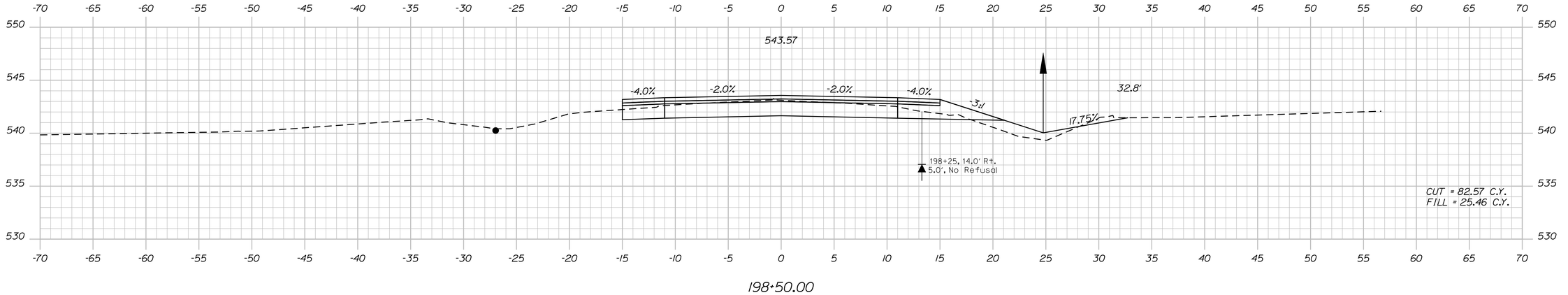
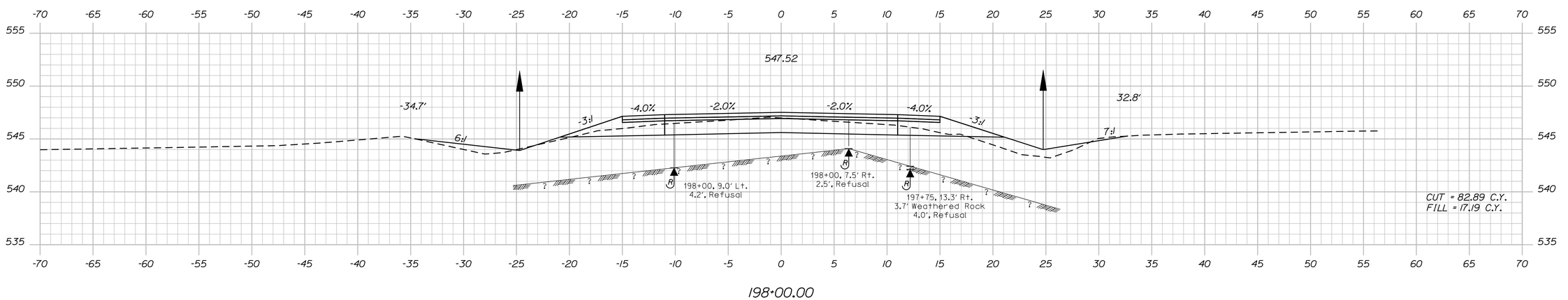
Sta. 196+50.00 to Sta. 197+50.00

Filename: ...\246_Xsect_FINAL Section 3_196+50_Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$projmanager$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

247

OF 329

Sta. 198+00.00 to Sta. 198+67.88

Filename: ...\247_Xsect_FINAL Section 3_198+00_DW.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\248_Xsect_FINAL Section 3_199+00_DRAFT.dgn Username: natasha.m.collins Date:3/4/2015

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$	$revision1$
CHECKED-REVIEWED	-----	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$	$revision2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$	$revision3$
REVISIONS 1	-----		$revdate1$	$revision4$
REVISIONS 2	-----		$revdate2$	$revision5$
REVISIONS 3	-----		$revdate3$	$revision6$
REVISIONS 4	-----		$revdate4$	$revision7$
FIELD CHANGES	$fieldchange$		$fielddate$	$revision8$

BY | DATE | SIGNATURE

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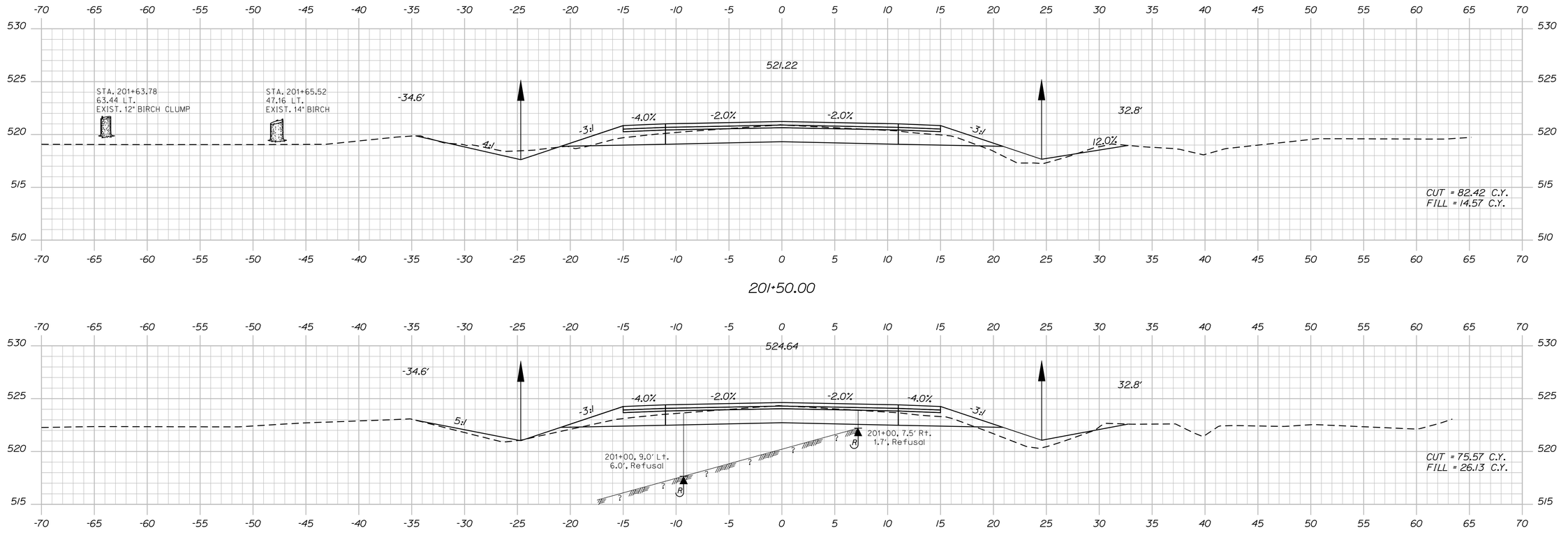
OF 329

Sta. 199+00.00 to Sta. 200+00.00



Sta. 200+50.00 to Sta. 201+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

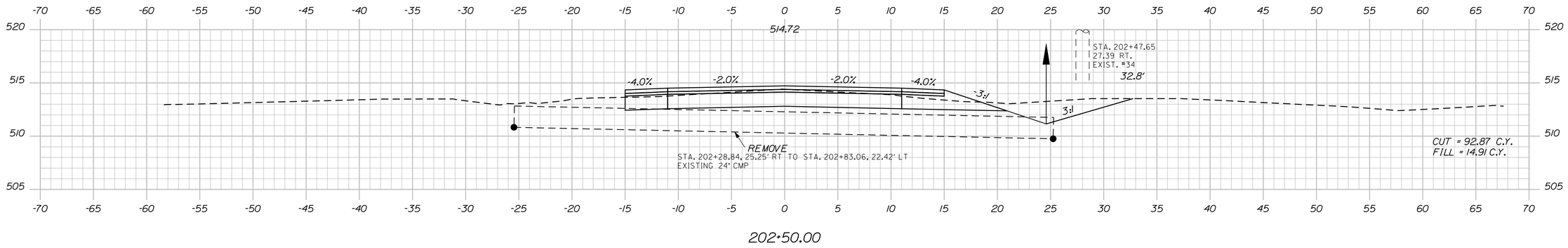
CROSS SECTIONS

SHEET NUMBER

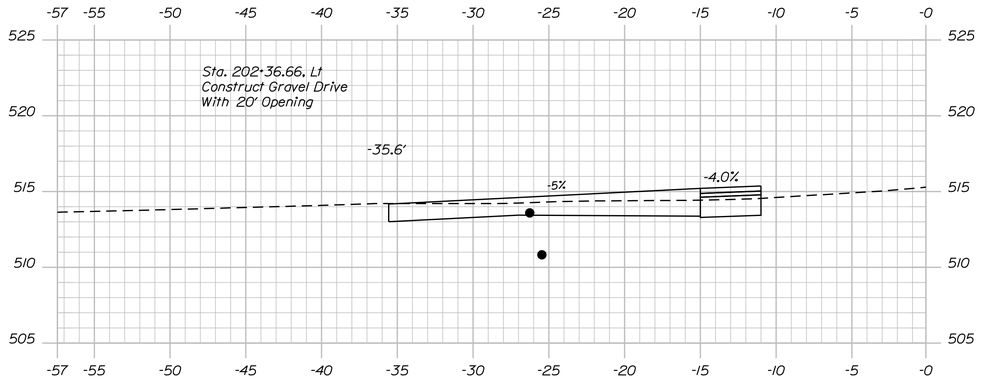
249

OF 329

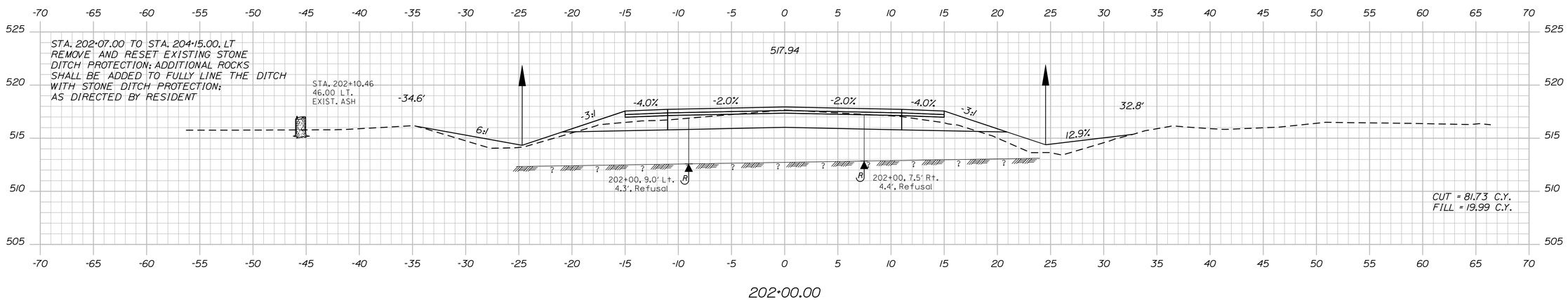
Filename: ...\249_Xsect_FINAL Section 3_200+50_201+50.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



202+50.00



202+36.66



202+00.00

Sta. 202+00.00 to Sta. 202+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

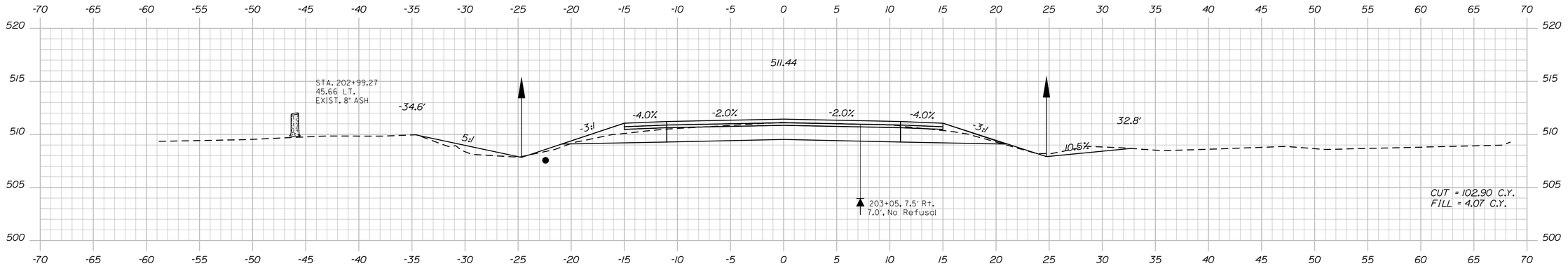
SHEET NUMBER

250

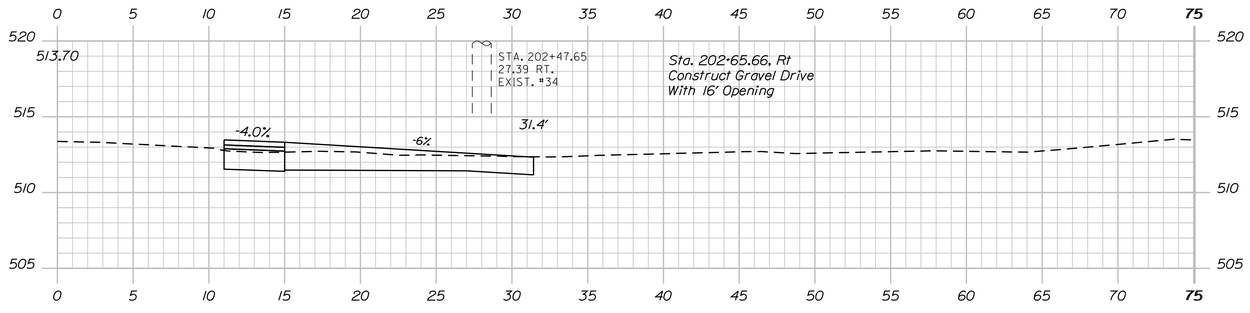
OF 329

Username: natasha.m.collins Date:3/4/2015

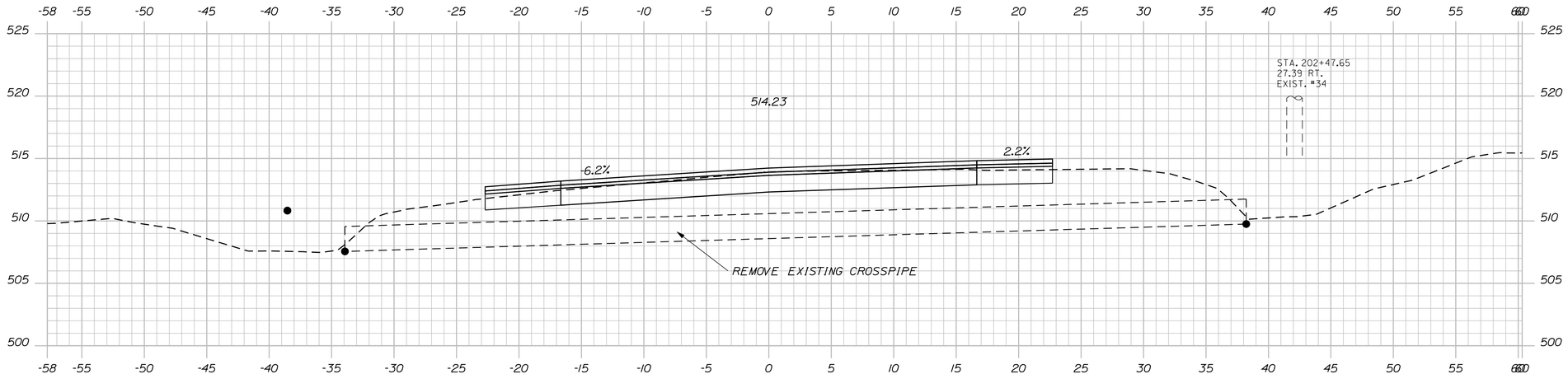
Filename: ...\250_Xsect_FINAL Section 3_202+00_050sign HIGHWAY



203+00.00



202+65.66



202+57.54 SKEWED SECTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	$revision3$	$revdate3$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

251

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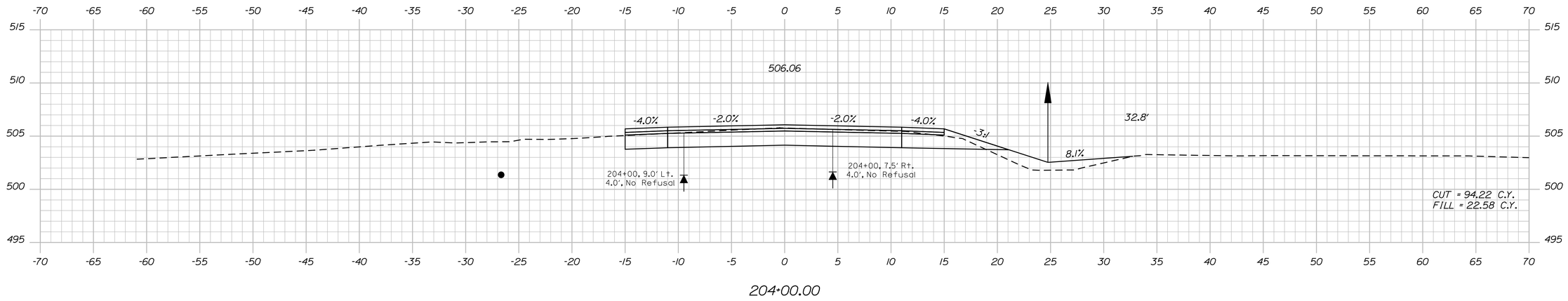
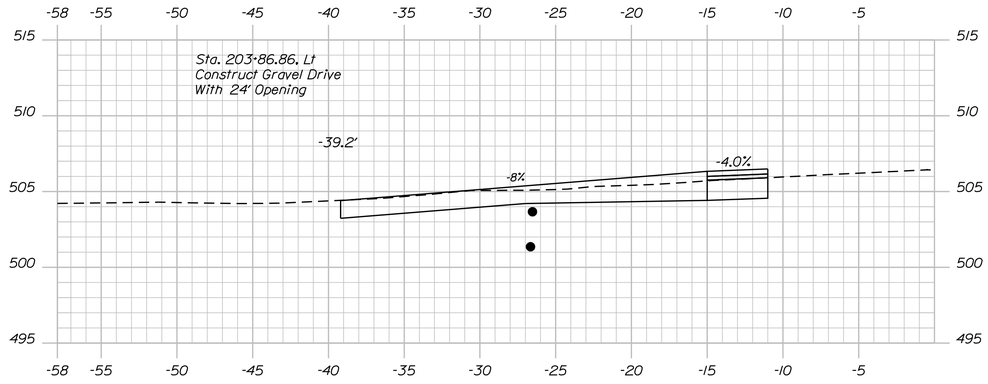
Sta. 202+57.54 to Sta. 203+00.00

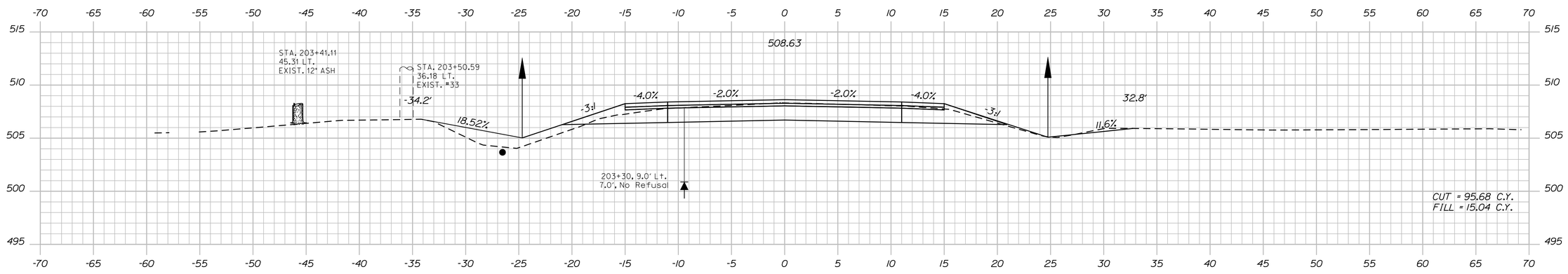
Filename: ...\251_Xsect_FINAL_Section 3_202+57_05.dgn Username: HIGHWAY Date:3/4/2015
Username: natasha.m.collins



204+00.00



203+86.86



203+50.00

Sta. 203+50.00 to Sta. 204+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

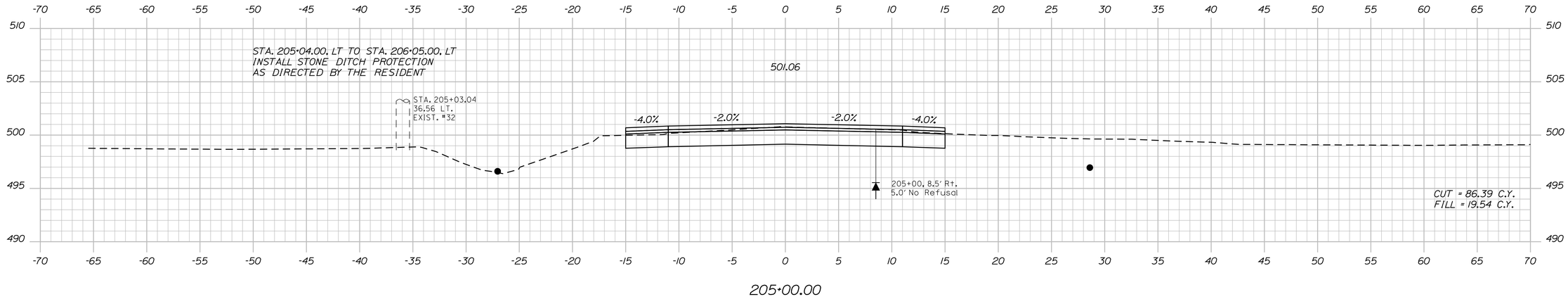
252

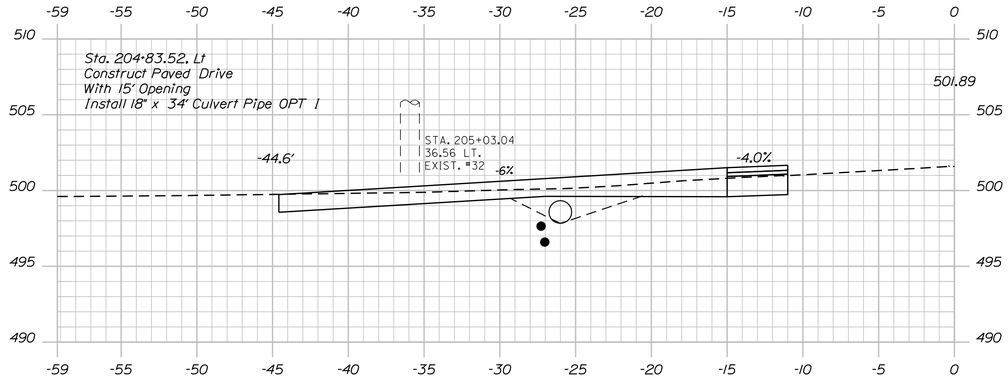
OF 329

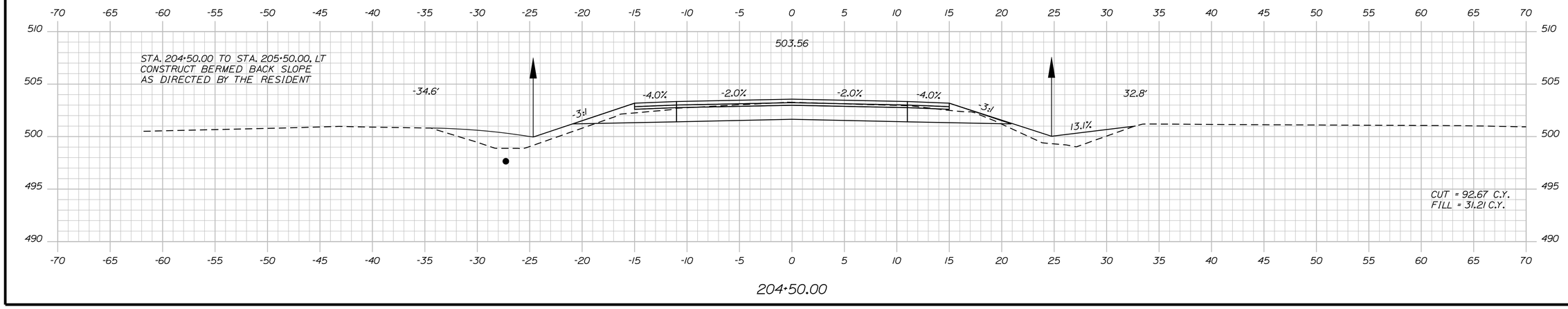
Username: natasha.m.collins Date:3/4/2015

Filename: ...\252_Xsect_FINAL Section 3_203+50_06Design HIGHWAY

Filename: ...\253_Xsect_FINAL Section 3_204+50_00.dgn Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	_____	$revdate1$
REVISIONS 2	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchgdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

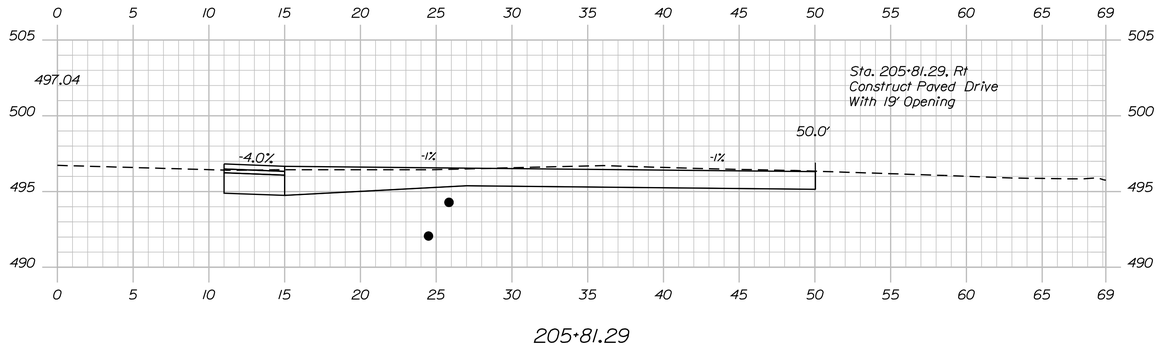
CROSS SECTIONS

SHEET NUMBER

253

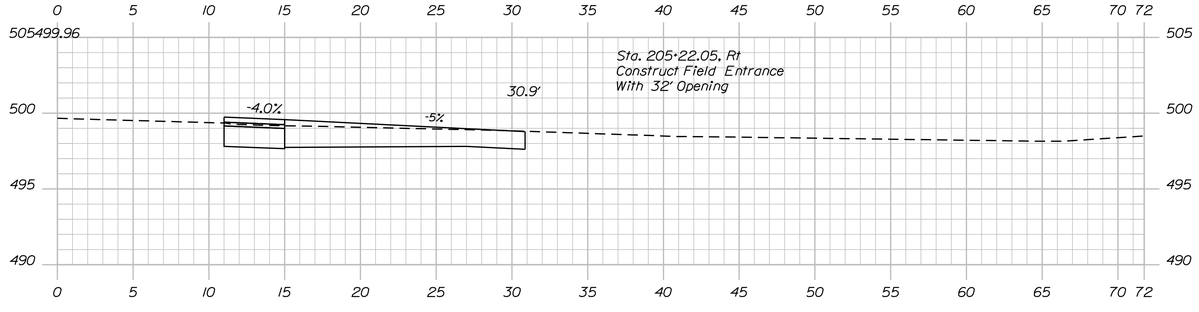
OF 329

Sta. 204+50.00 to Sta. 205+00.00



205+81.29

205+50.00



205+22.05

Sta. 205+22.05 to Sta. 205+81.29

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	_____	$revdate1$
REVISIONS 2	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

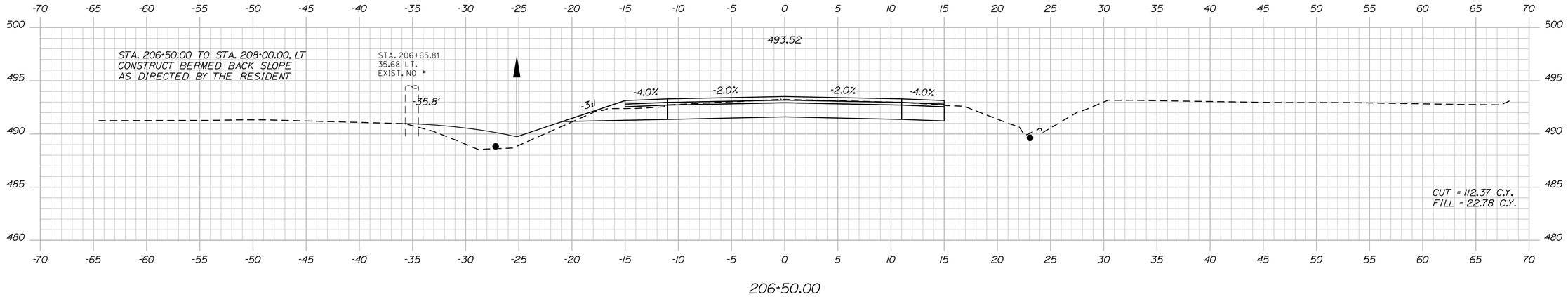
CROSS SECTIONS

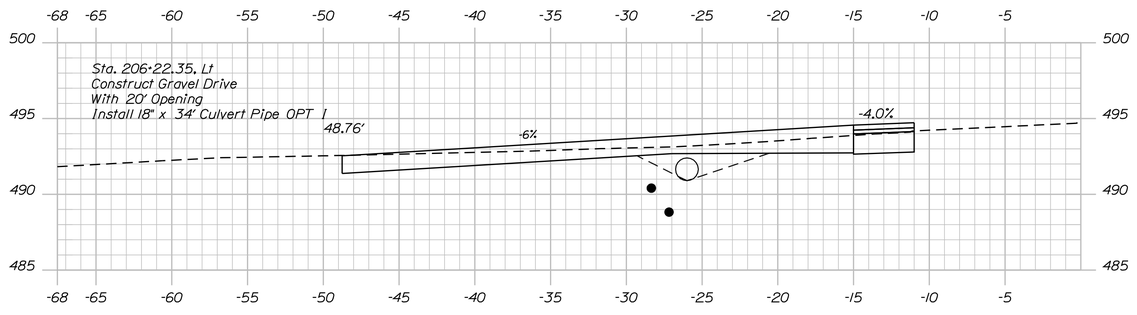
SHEET NUMBER

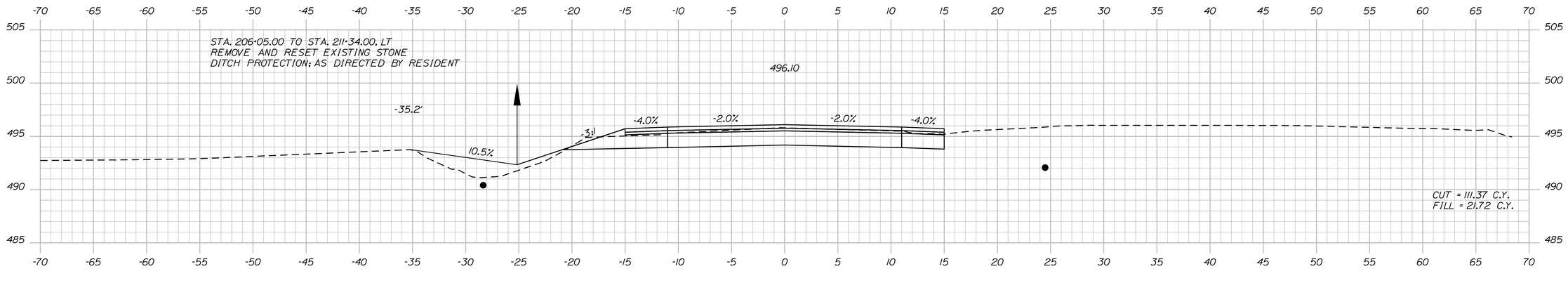
254

OF 329

Filename: ...\254_Xsect_FINAL Section 3_205+22_05 Design HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$designer1$	$proj date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$proj date3$
REVISIONS 1	_____	$revdate1$
REVISIONS 2	_____	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

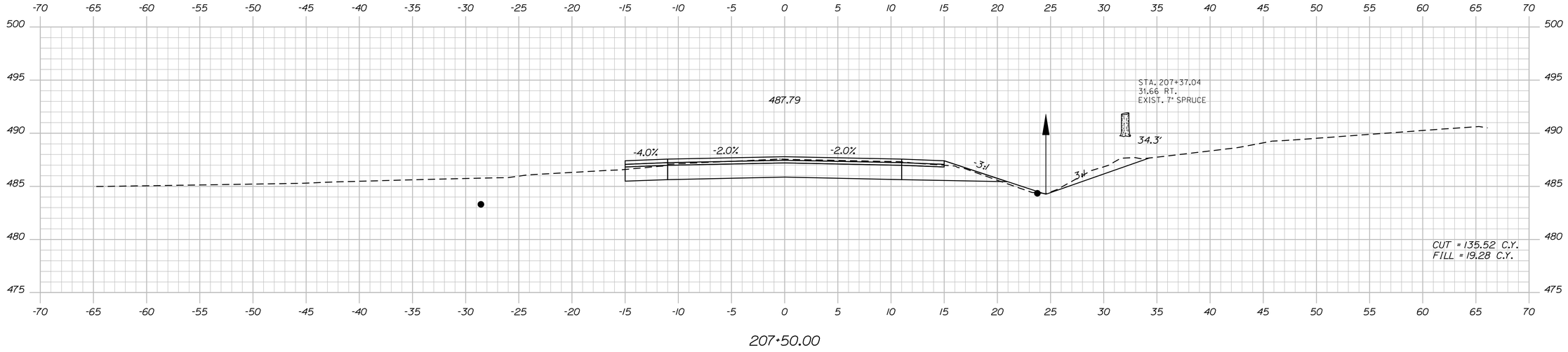
SHEET NUMBER

255

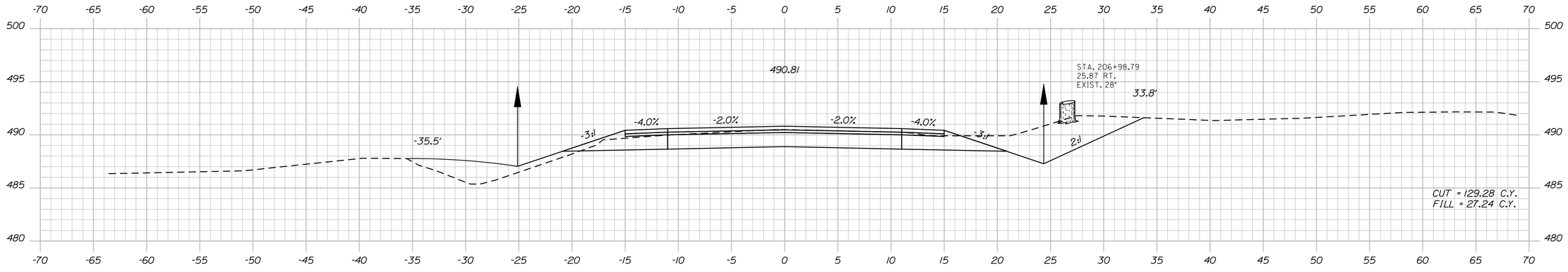
OF 329

Sta. 206+00.00 to Sta. 206+50.00

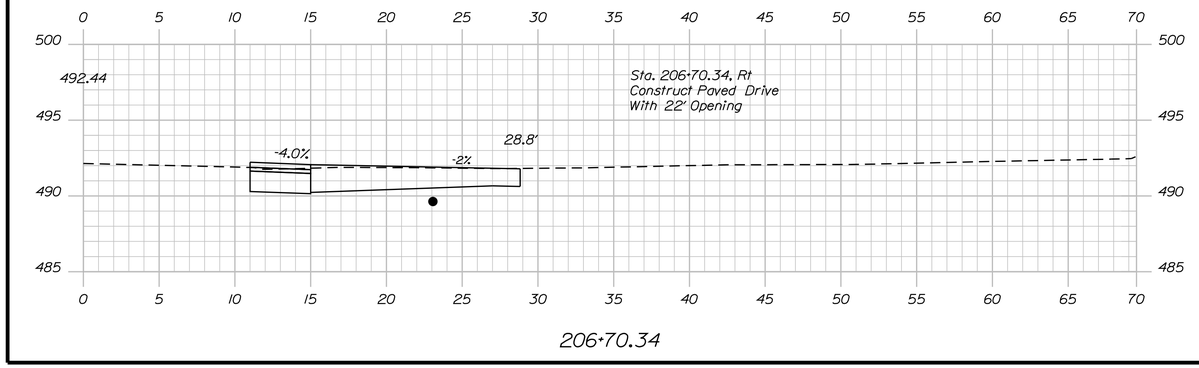
Filename: ...\255_Xsect_FINAL Section 3_206+00_0650.dgn Username: natasha.m.collins Date:3/4/2015



207+50.00



207+00.00



206+70.34

Sta. 206+70.34 to Sta. 207+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

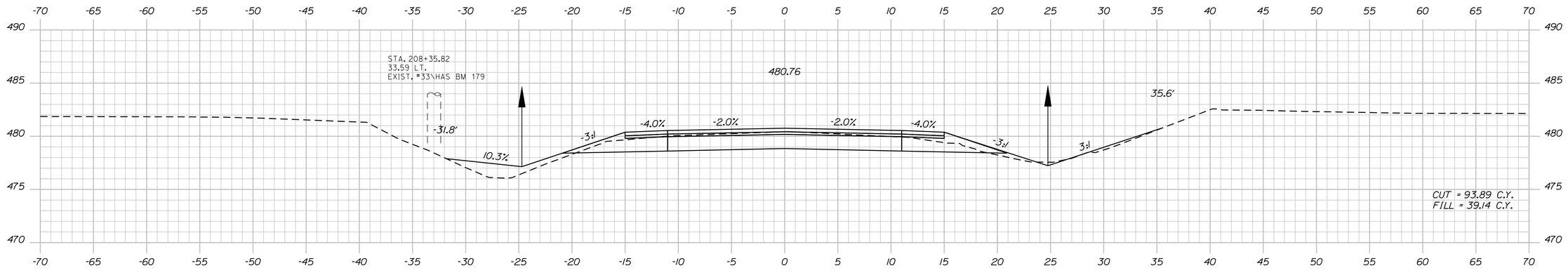
CROSS SECTIONS

SHEET NUMBER

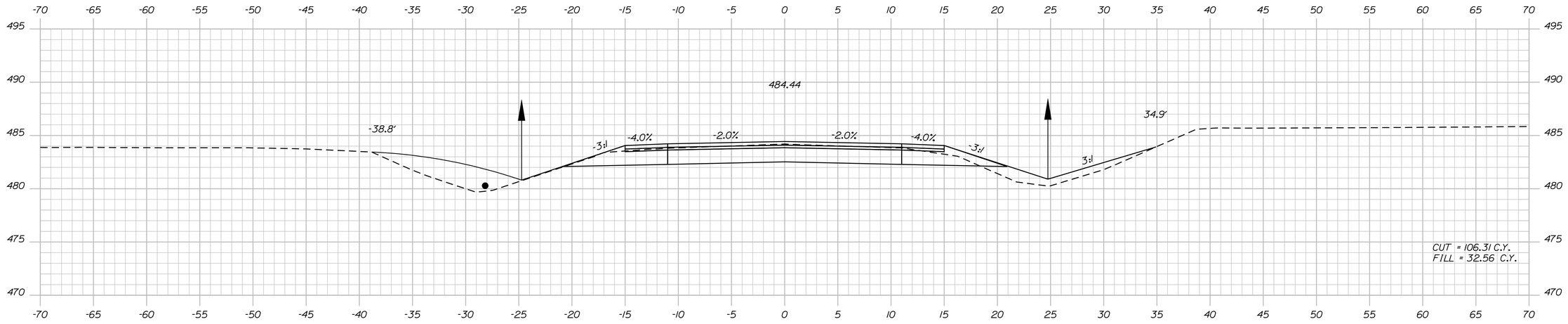
256

OF 329

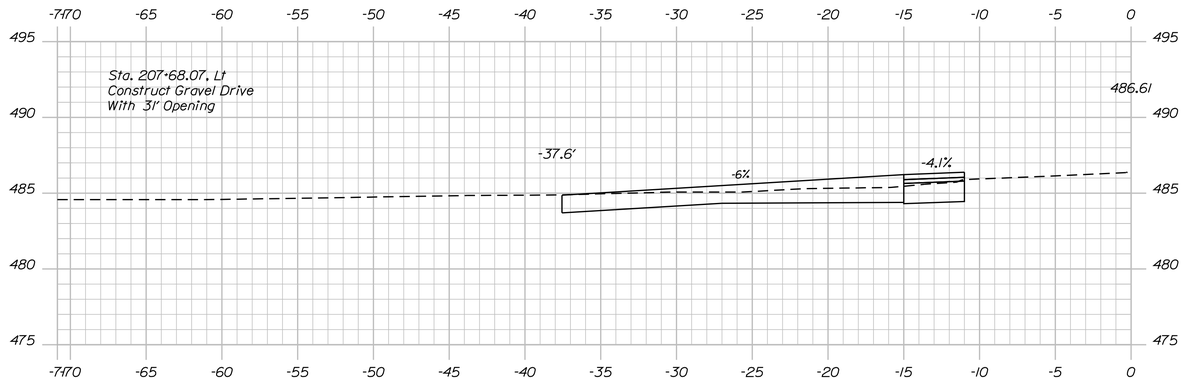
Filename: ...\256_Xsect_FINAL Section 3_206+70_Design HIGHWAY Username: natasha.m.collins Date:3/4/2015



208+50.00



208+00.00



207+68.07

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
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CROSS SECTIONS

SHEET NUMBER

257

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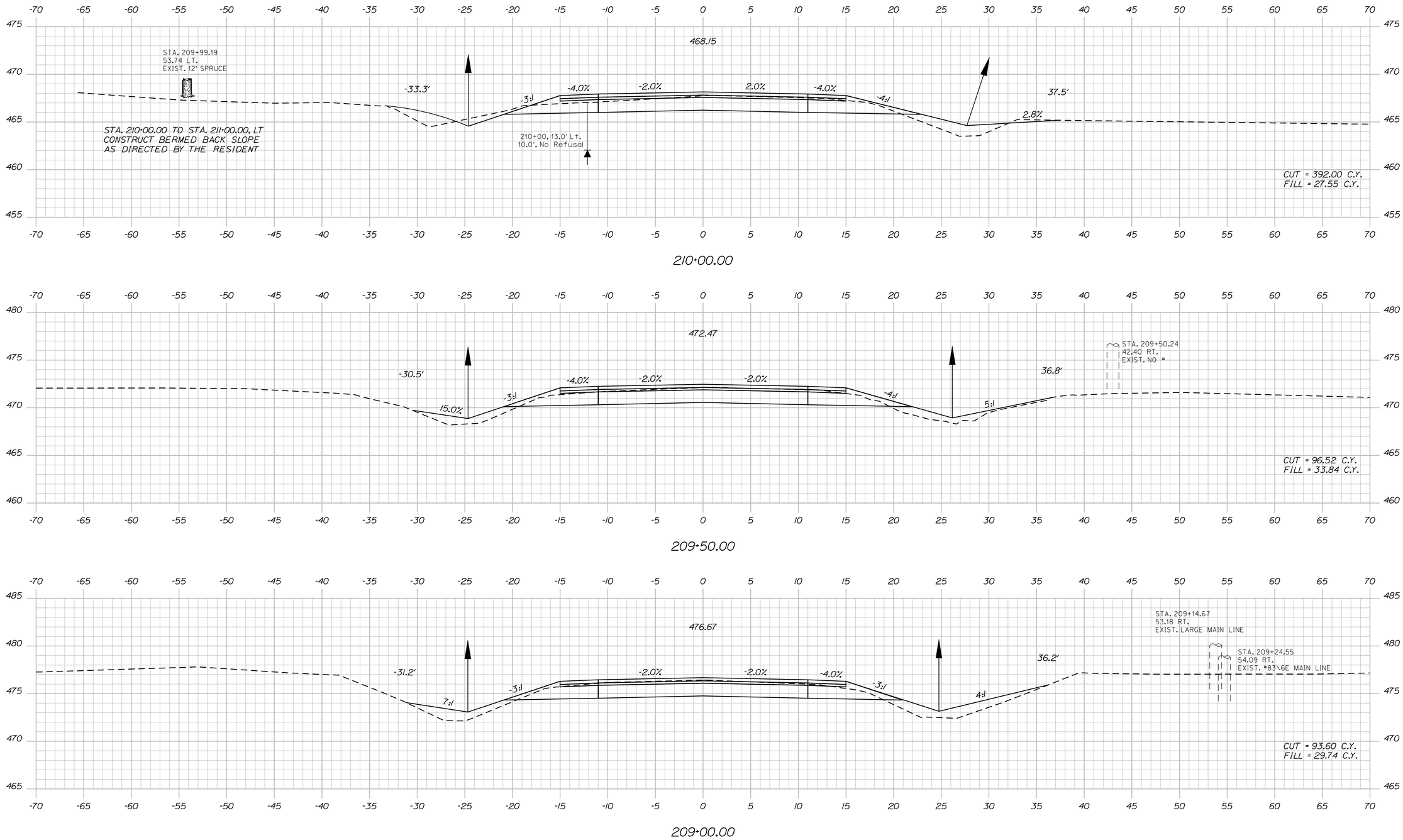
Sta. 207+68.07 to Sta. 208+50.00

Filename: ...\257_Xsect_FINAL Section 3_207+68.07to208+50.dgn Username: natasha.m.collins Date:3/4/2015



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$dateOfer1$	$proJdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$dateOfer2$	$proJdate2$
DESIGN3-DETAILED3	$designer3$	$dateOfer3$	$proJdate3$
REVISIONS 1	-----	-----	$revdate2$
REVISIONS 2	-----	-----	$revdate3$
REVISIONS 3	$revision3$	-----	$revdate4$
REVISIONS 4	$revision4$	-----	$fieldDate$
FIELD CHANGES	$fieldchange$		

P.E. NUMBER

SIGNATURE

DATE

CARIBOU
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CROSS SECTIONS

SHEET NUMBER

258

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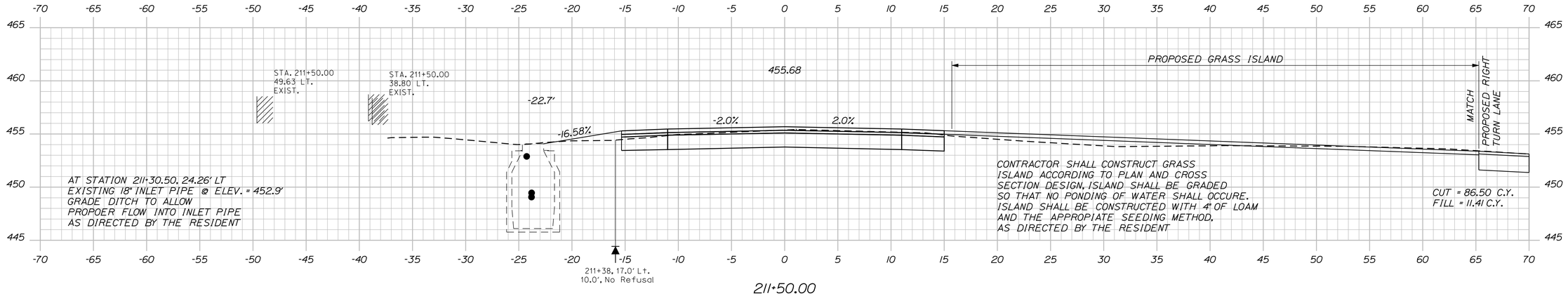
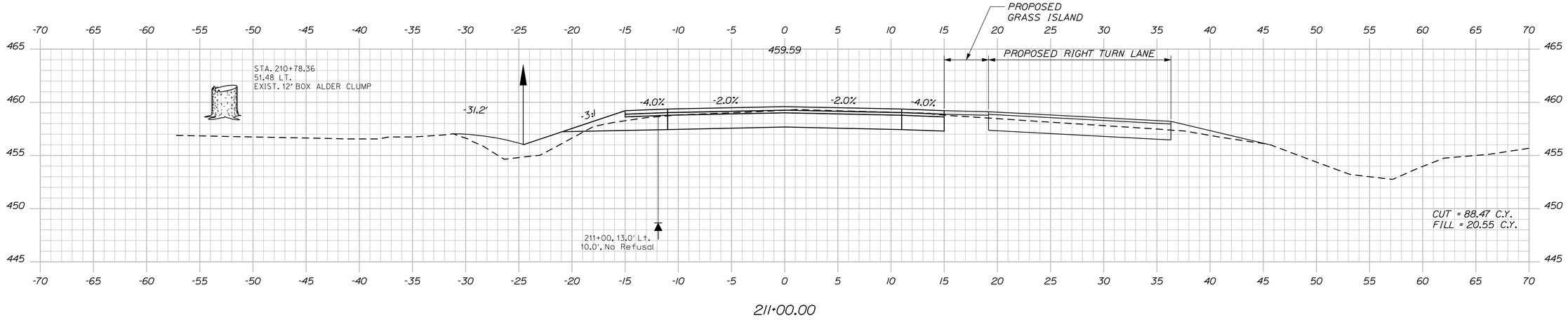
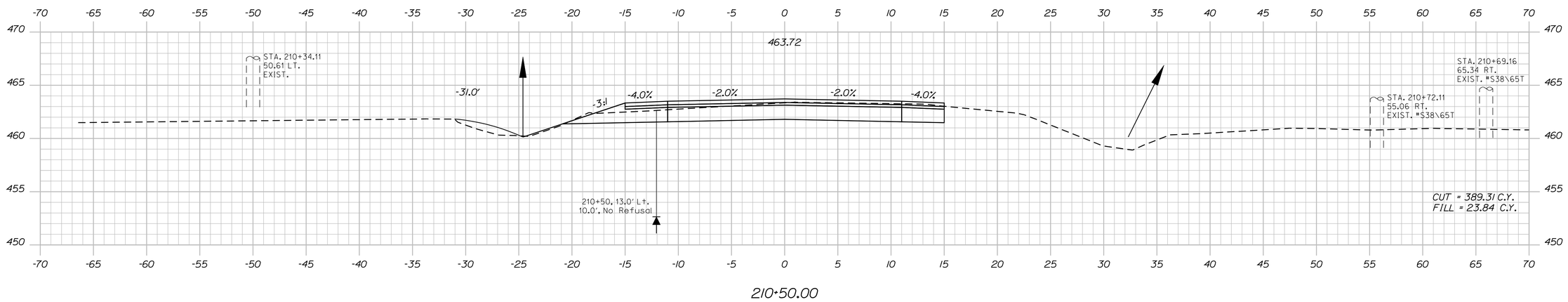
Sta. 209+00.00 to Sta. 210+00.00

Filename: ...\259_Xsect_FINAL Section 3_210+50_to_211+50.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$designer1$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldDate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

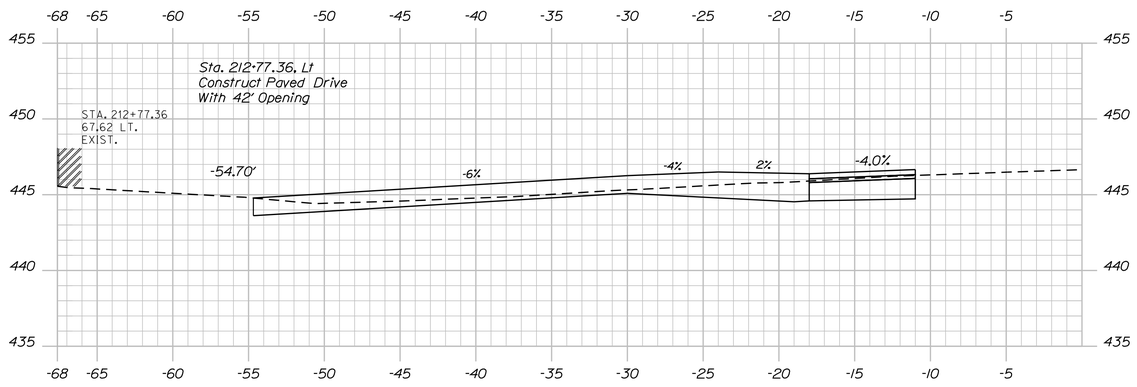
CROSS SECTIONS

SHEET NUMBER

259

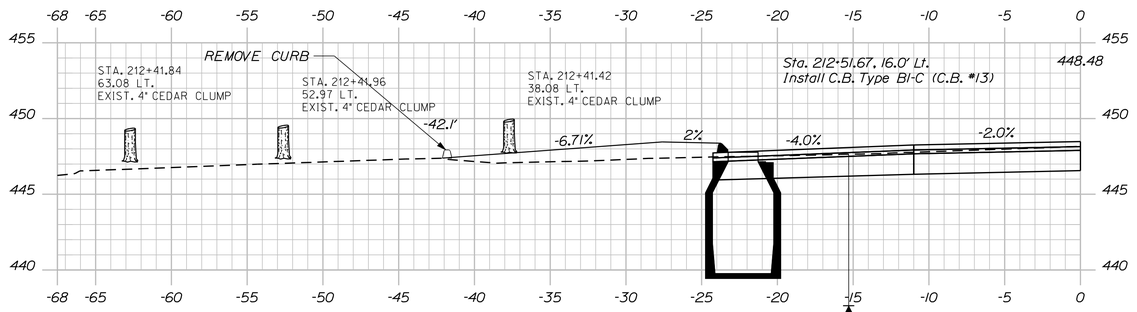
OF 329

Sta. 210+50.00 to Sta. 211+50.00



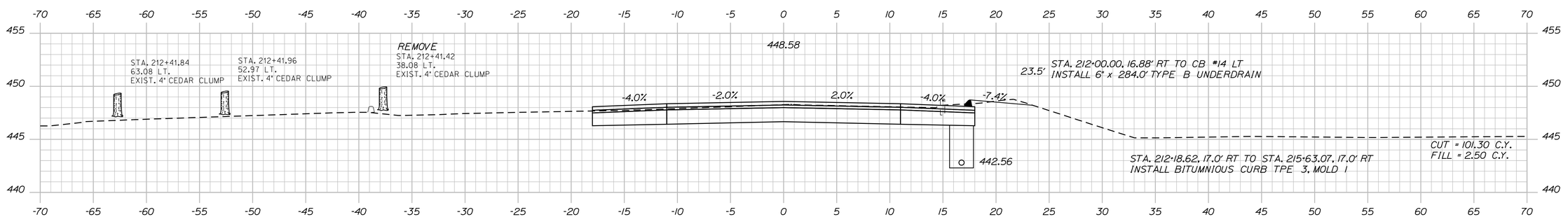
212+77.36

STA. 212+98.36, LT TO STA. 213+50.28, LT
CONSTRUCT 4' PAVED ISLAND
AS DIRECTED BY THE RESIDENT

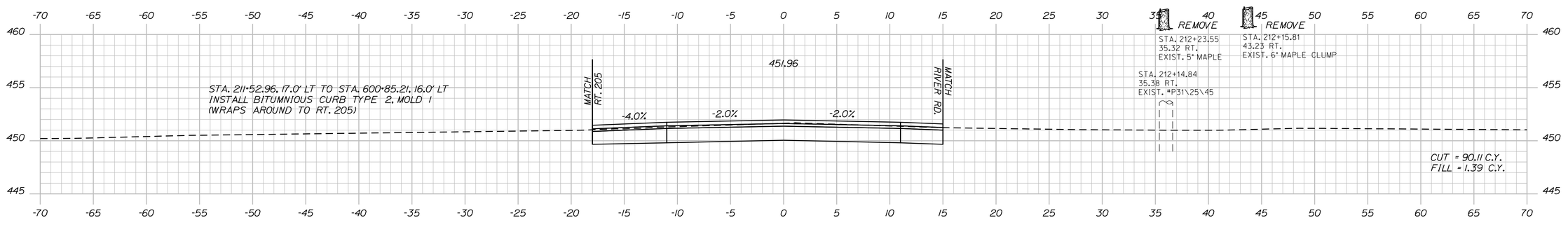


STA. 212+56.69, 17.0' LT TO STA. 600+48.00, 16.0' RT
INSTALL BITUMNIOUS CURB TYPE 2, MOLD 1
(WRAPS AROUND TO RT. 205)

212+51.61



212+50.00



212+00.00

Sta. 212+00.00 to Sta. 212+77.36

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER #PROJMANAGER#			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	$designer$	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
REVISIONS 4	$revision4$	-----	$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

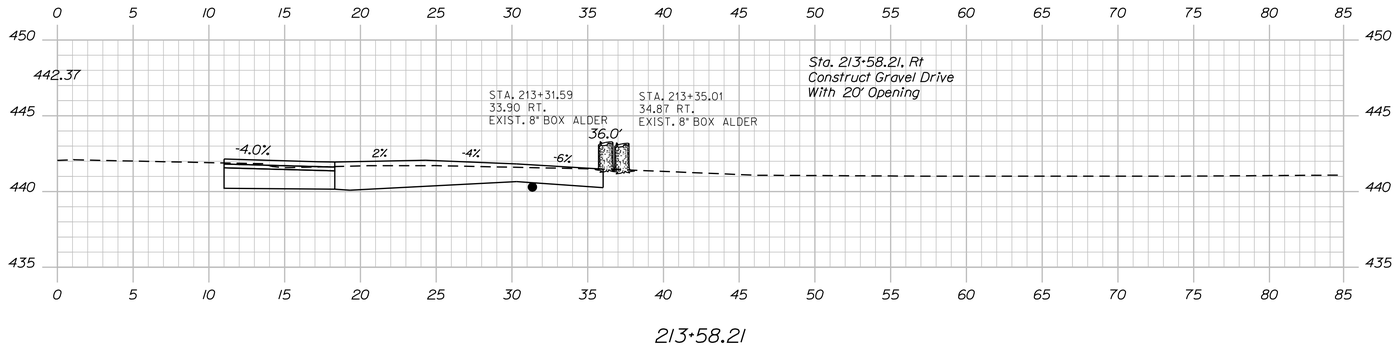
CROSS SECTIONS

SHEET NUMBER

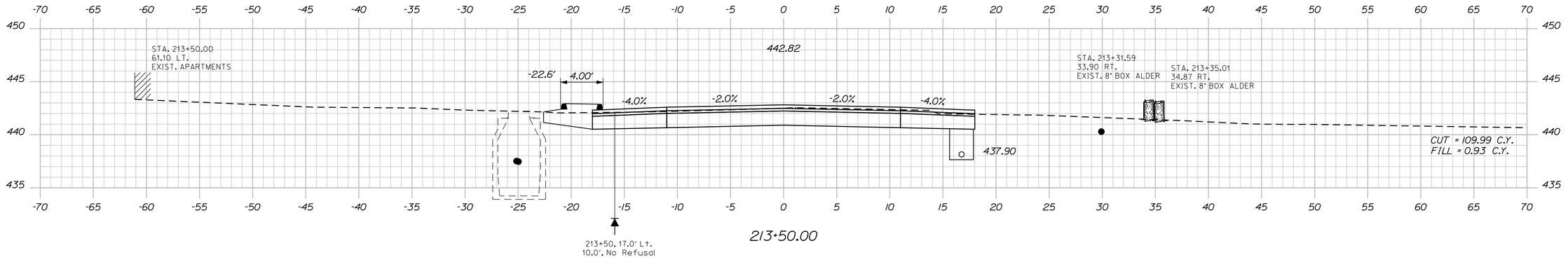
260

OF 329

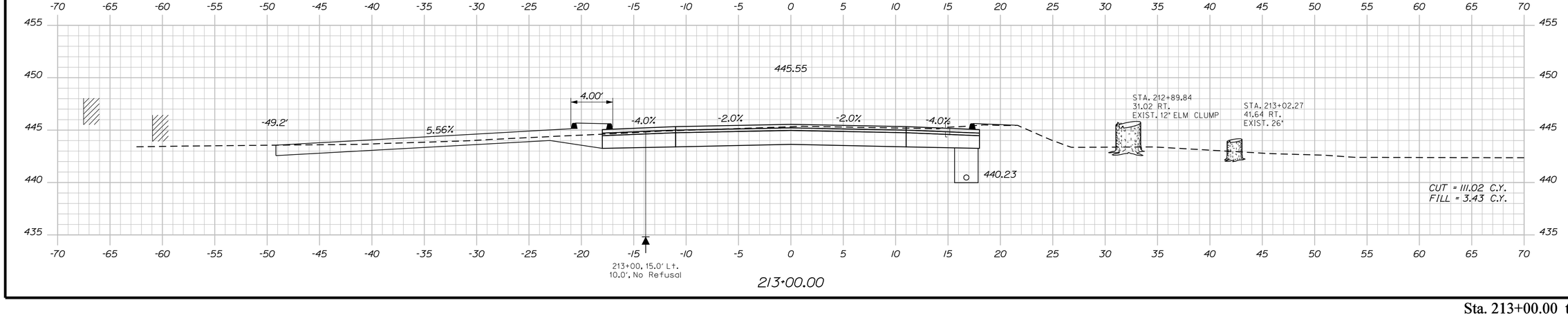
Filename: ...\260_Xsect_FINAL Section 3_212+00_06\Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



213+58.21



213+50.00



213+00.00

Sta. 213+00.00 to Sta. 213+58.21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision2$		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

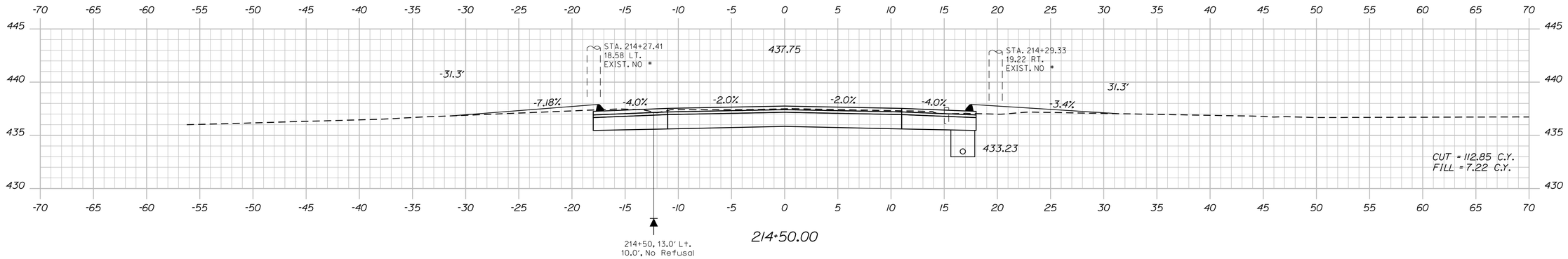
CROSS SECTIONS

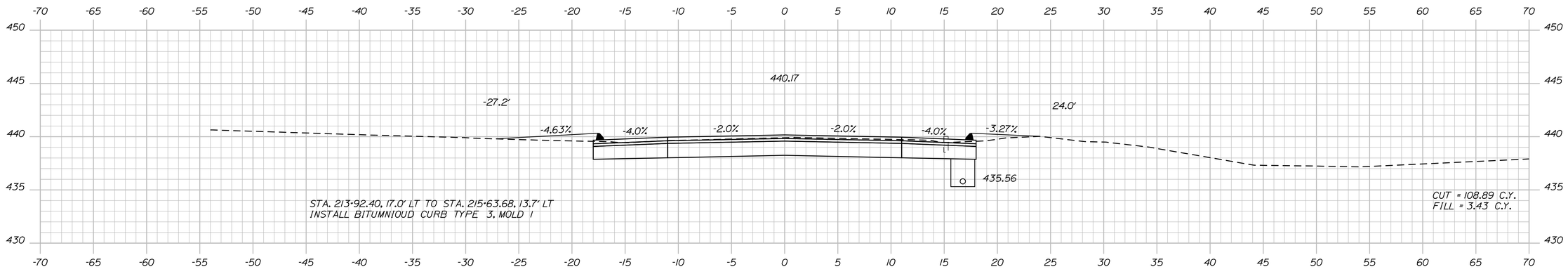
SHEET NUMBER

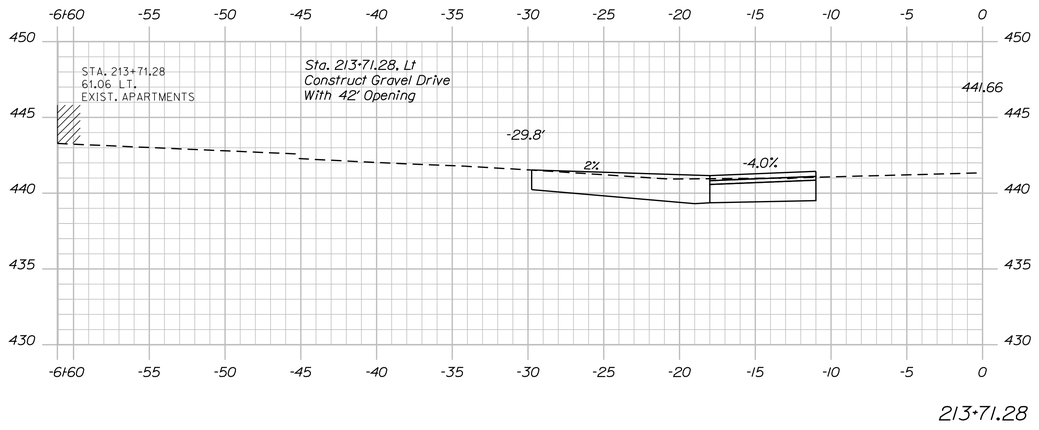
261

OF 329

Filename: ...\261_Xsect_FINAL Section 3_213+00_06.dgn Username: natasha.m.collins Date:3/4/2015







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj.date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

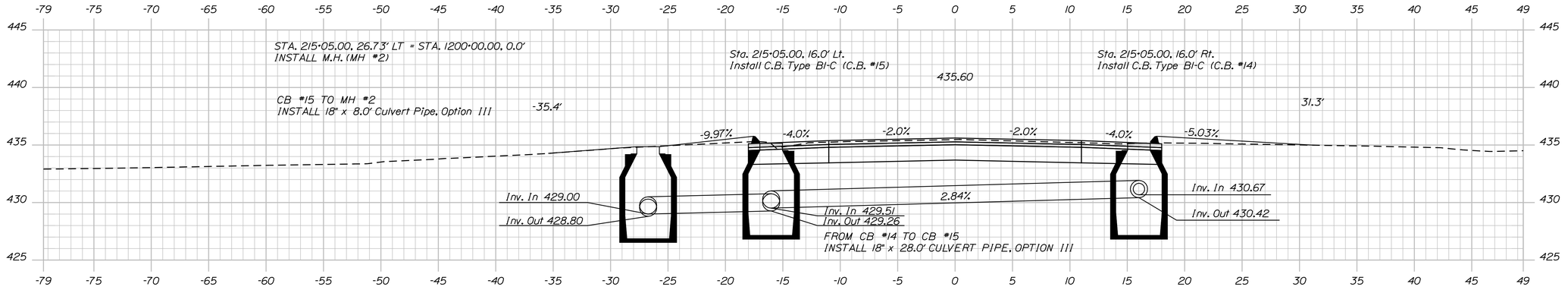
262

OF 329

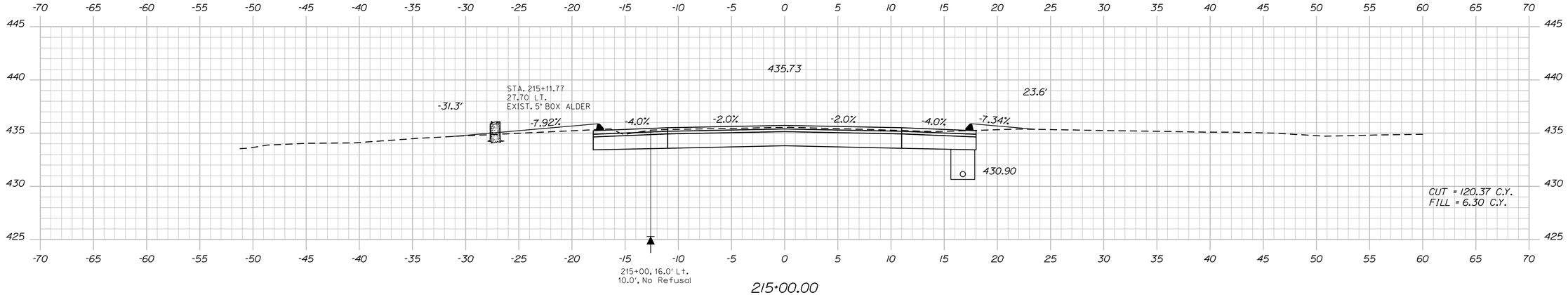
Filename: ...\262_Xsect_FINAL Section 3_213+71.06.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Sta. 213+71.28 to Sta. 214+50.00

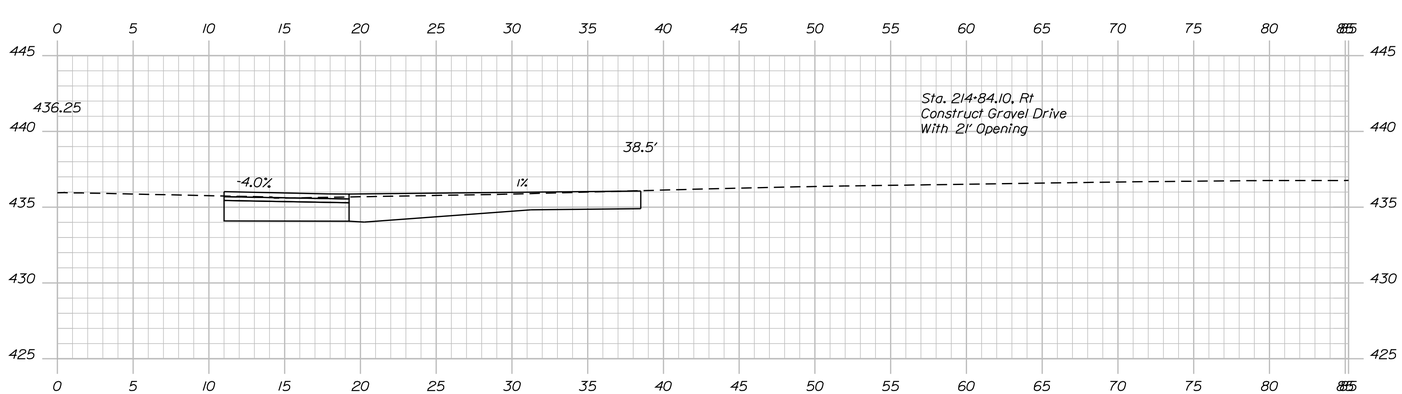
DRAINAGE SYSTEM ALONG SIDE OF AROOSTOOK RIVER BRIDGE:
FOR MORE INSTALLATION AND CONSTRUCTION NOTES
SEE SPECIAL DETAIL ON PAGE 19
AND CROSS SECTION SHEETS 295 TO 298



215+05.02



215+00.00



214+84.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchangedate$

P.E. NUMBER
SIGNATURE
DATE

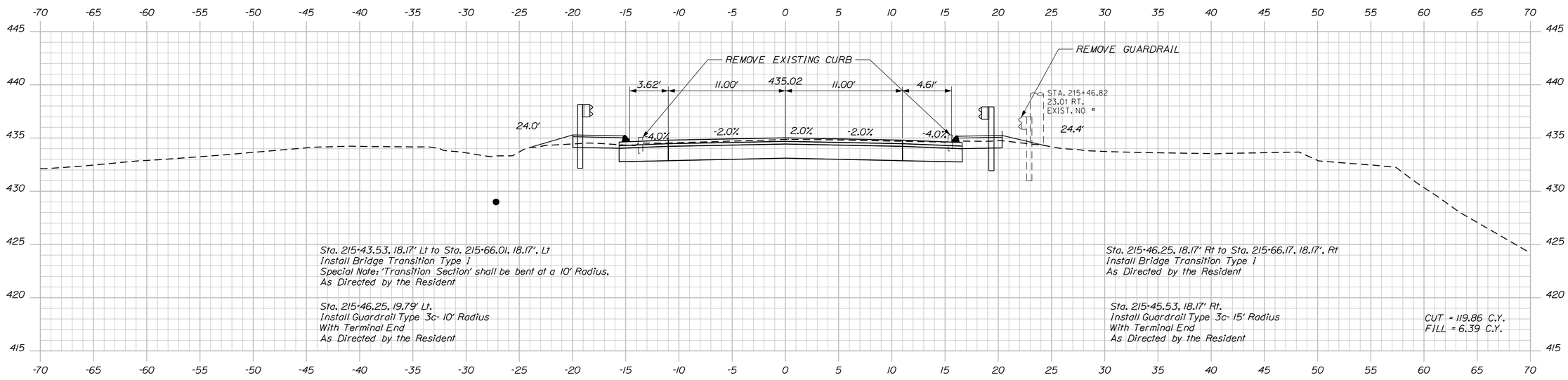
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

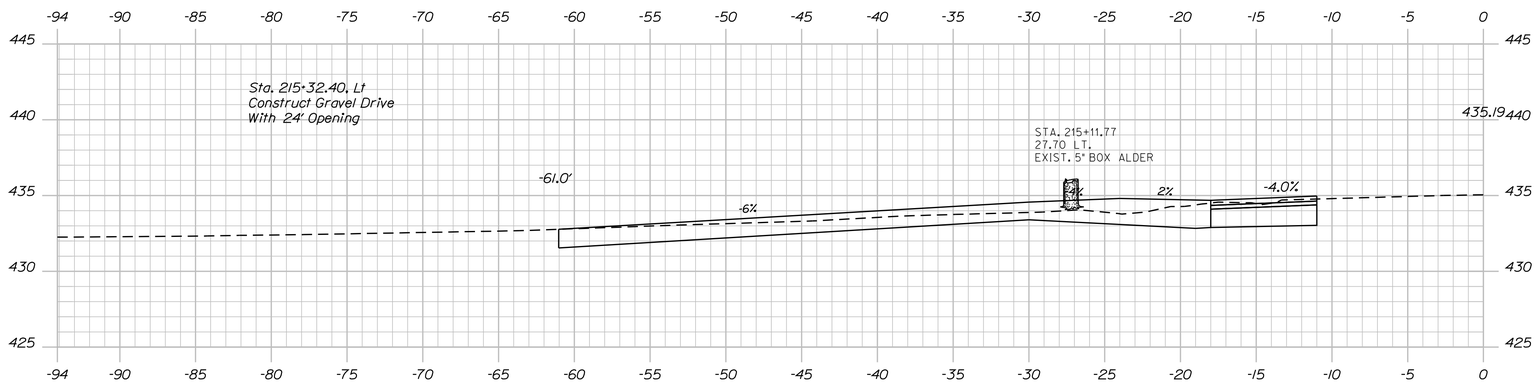
SHEET NUMBER
263
OF 329

Sta. 214+84.10 to Sta. 215+05.02

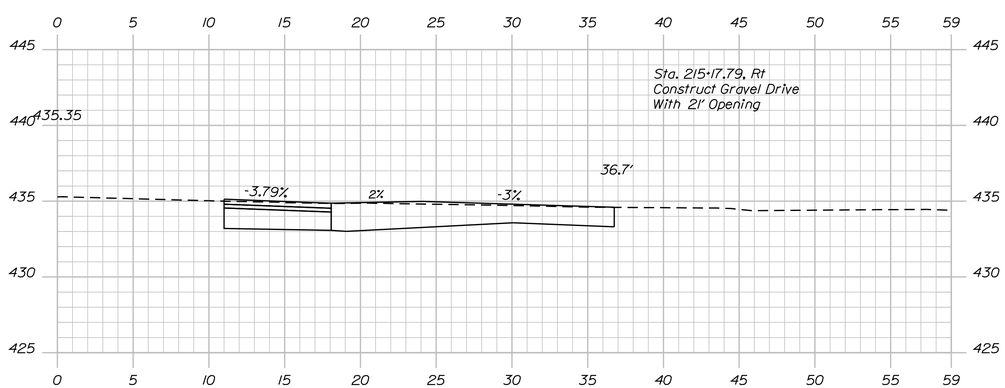
Filename: ...\263_Xsect_FINAL Section 3_214+84_05.dgn Design: HIGHWAY Username: natasha.m.collins Date:3/4/2015



215+50.00



215+32.40



215+17.79

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$prodate1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$prodate3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

264

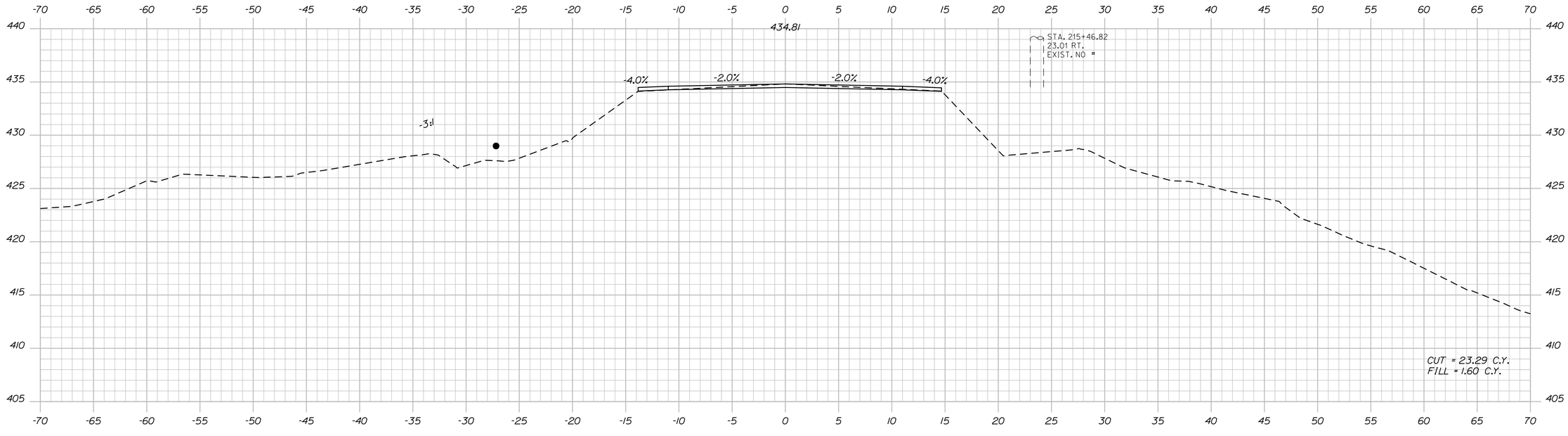
OF 329

Sta. 215+17.79 to Sta. 215+50.00

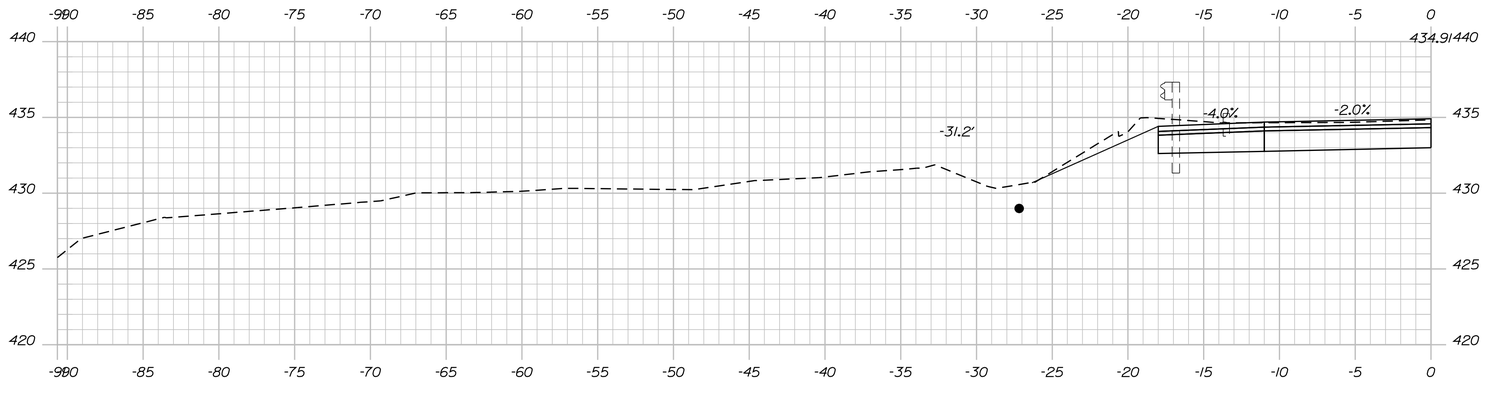
Filename: ...\264_Xsect_FINAL Section 3_215+17_OBK.dgn Username: natasha.m.collins Date:3/4/2015

STA. 215+70.60
END PROJECT WIN 12780.00
AS DIRECTED BY THE RESIDENT

STA. 215+70.60 MATCH @ AROOSTOOK RIVER BRIDGE



215+70.60



215+60.64

Sta. 215+60.64 to Sta. 215+70.60

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

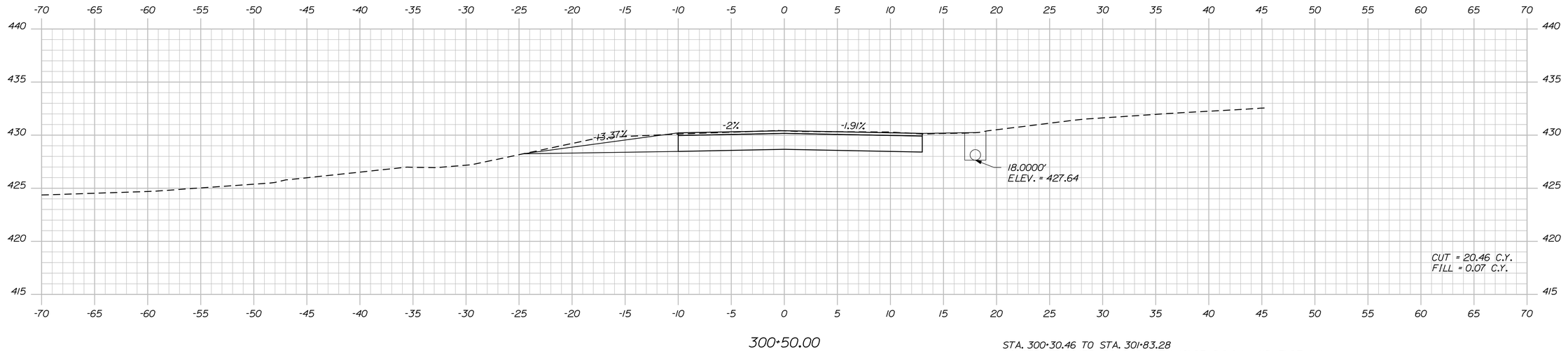
CROSS SECTIONS

SHEET NUMBER

265

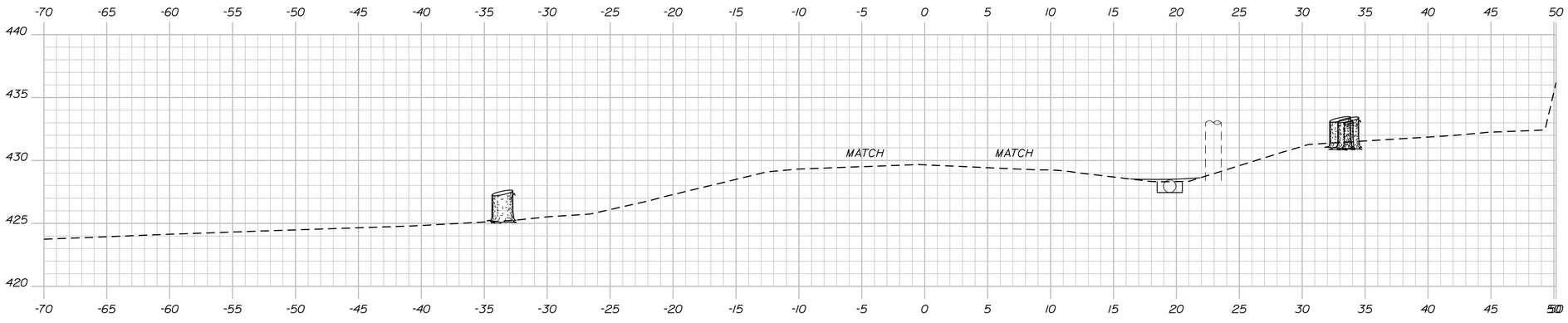
OF 329

Filename: ...\265_Xsect_FINAL Section 3_215+60_05.dgn Username: natasha.m.collins Date:3/4/2015
Division: HIGHWAY

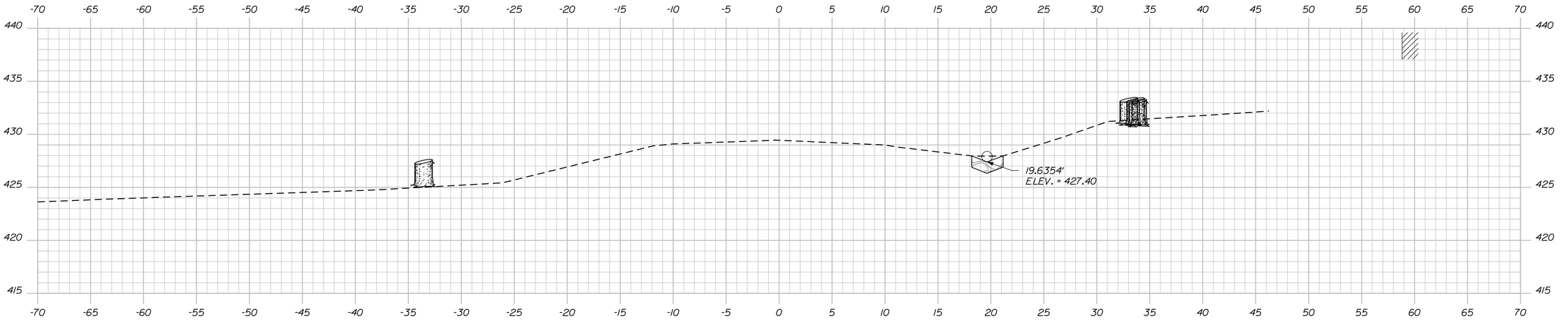


300+50.00

STA. 300+30.46 TO STA. 301+83.28
CONSTRUCT RIVER ROAD 2 WITH 18" OF D.G.C.A. AND 3" OF HMA,
AS DIRECTED BY THE RESIDENT



300+30.46



300+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

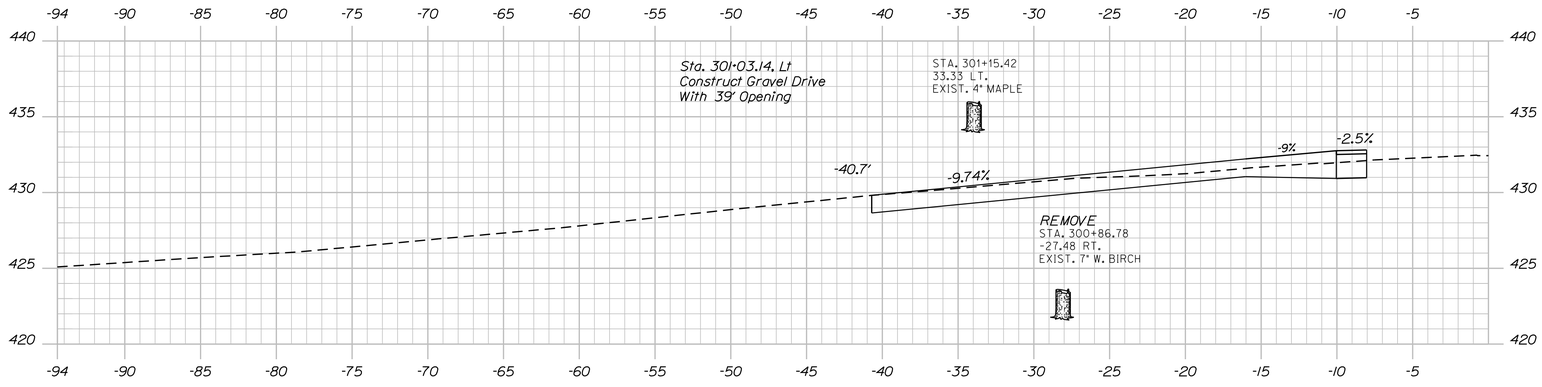
SHEET NUMBER

266

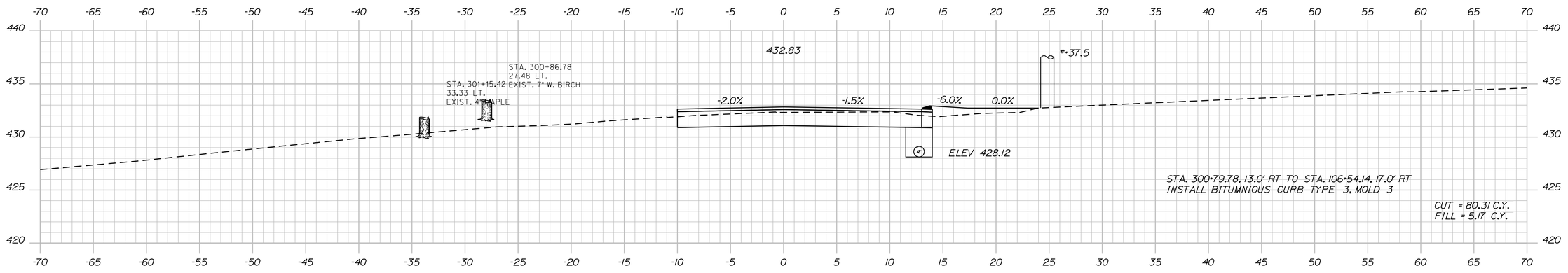
OF 329

Sta. 300+25.00 to Sta. 300+50.00

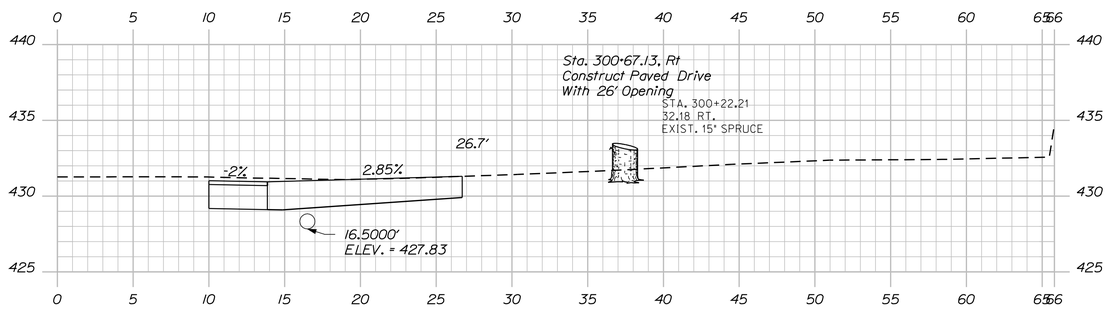
Filename: ...\266_Xsect_Sideroad and Drainage Section.dgn Date:3/4/2015
Division: FINAL_BOOK Username: natasha.m.collins



301+03.14



301+00.00



300+70.47

Sta. 300+70.47 to Sta. 301+03.14

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
DESIGNER	$detailer1$	$proj.date1$
CHECKED	-----	-----
DESIGNER2	$detailer2$	$proj.date2$
DESIGNER3	$detailer3$	$proj.date3$
REVISIONS 1	-----	$revdate3$
REVISIONS 2	-----	$revdate3$
REVISIONS 3	$revision3$	$revdate4$
REVISIONS 4	$revision4$	$revdate5$
FIELD CHANGES	$fieldchanges$	$fieldchanges$

PROJ. MANAGER	$PROJMANAGER$	SIGNATURE
DESIGN-DETAILED	$designer1$	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	P.E. NUMBER
DESIGN3-DETAILED3	$designer3$	$revdate1$
REVISIONS 1	-----	$revdate3$
REVISIONS 2	-----	$revdate3$
REVISIONS 3	$revision3$	$revdate4$
REVISIONS 4	$revision4$	DATE
FIELD CHANGES	$fieldchanges$	$fieldchanges$

CARIBOU
STATE ROUTE 161

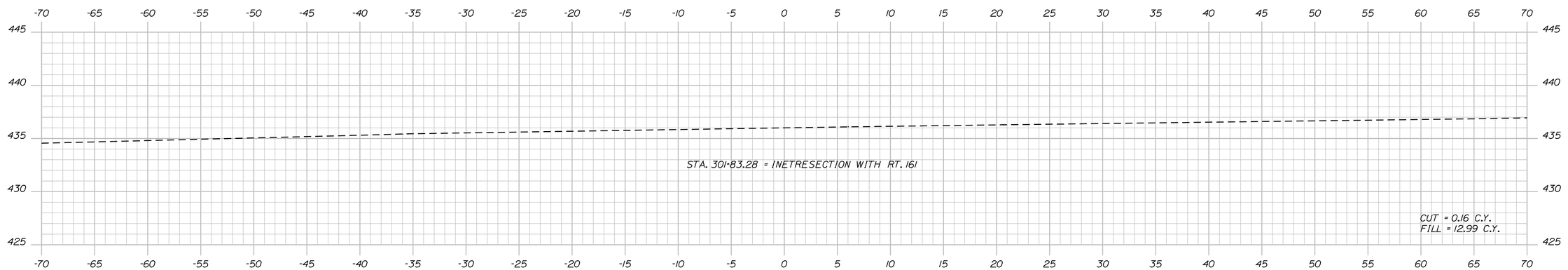
CROSS SECTIONS

SHEET NUMBER

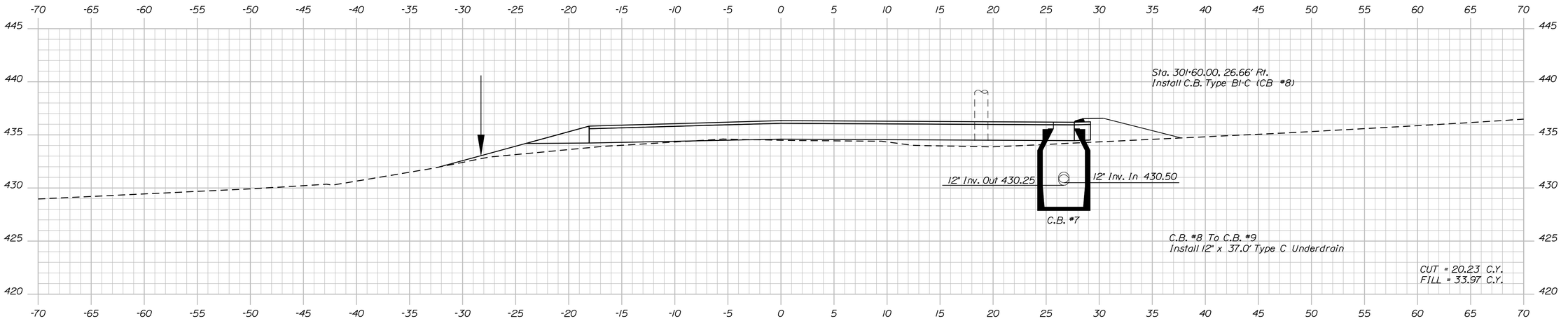
267

OF 329

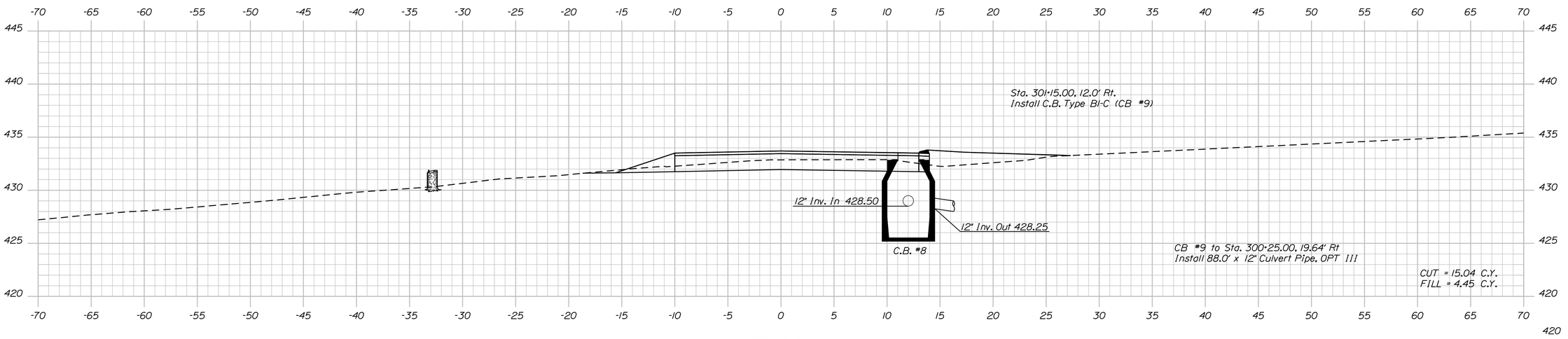
Filename: ...\267_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Username: natasha.m.collins
Division: MAINE 2007 70_002.dgn



301+98.28



301+60.00



301+15.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

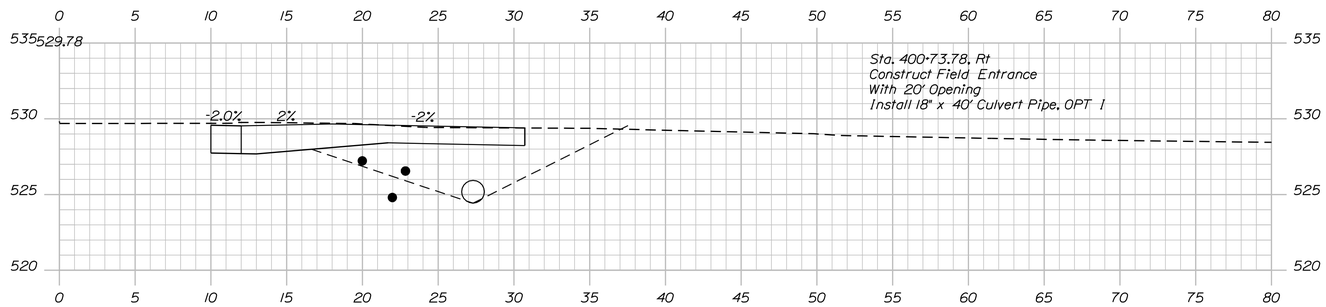
SHEET NUMBER

268

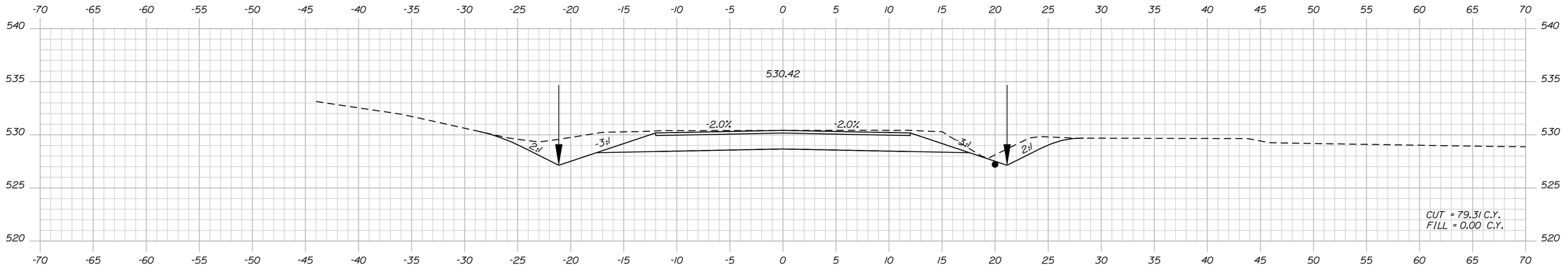
OF 329

Sta. 301+15.00 to Sta. 301+98.28

Filename: ...\268_Xsect_Sideroad and Drainage Sections\FINAL\HIGHWAY\15_003.dgn Date:3/4/2015
Division: FINAL Username: natasha.m.collins

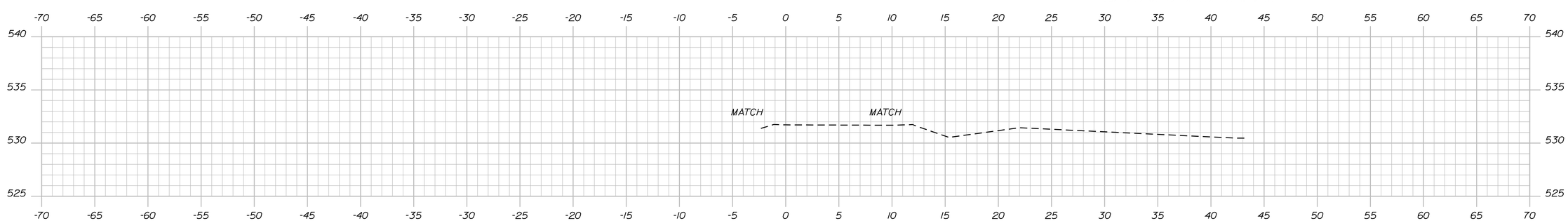


400+73.78



400+50.00

STA. 400+00.00 TO STA. 401+15.13
CONSTRUCT KELLY ROAD WITH 18" OF D.G.C.A. AND 3" OF HMA,
AS DIRECTED BY THE RESIDENT



400+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$	------	$revdate3$
REVISIONS 4	$revision4$	------	$revdate4$
FIELD CHANGES	$fieldchange$	------	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

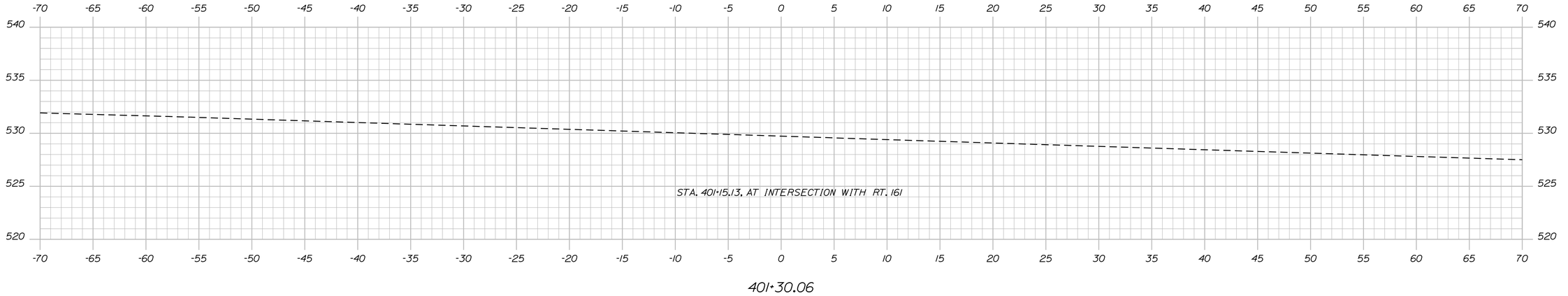
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

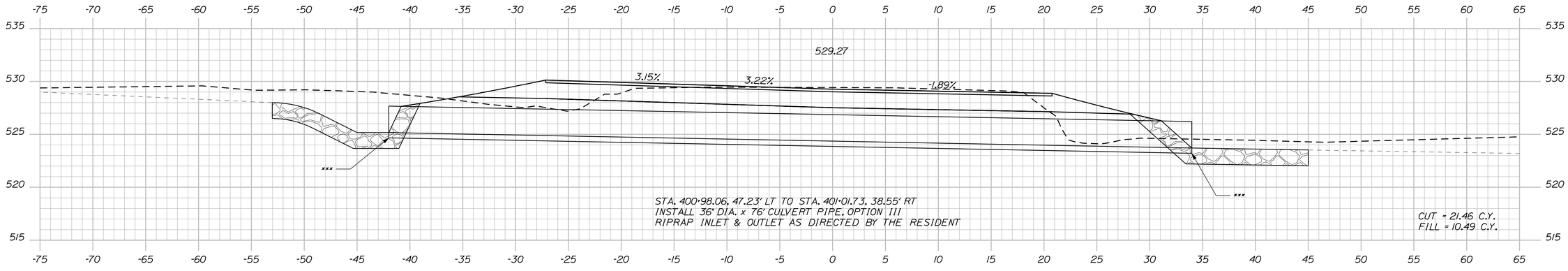
SHEET NUMBER
269
OF 329

Sta. 400+00.00 to Sta. 400+73.78

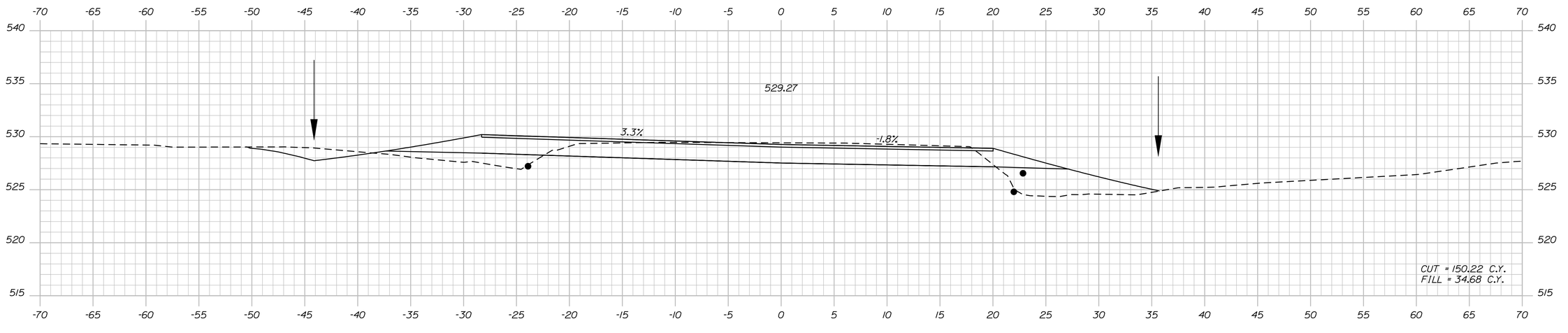
Filename: ...\269_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Division: FINAL HIGHWAY
Filename: natasha.m.collins



401+30.06



401+00.10 (SKEWED SECTION)



401+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$ P.E. NUMBER
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

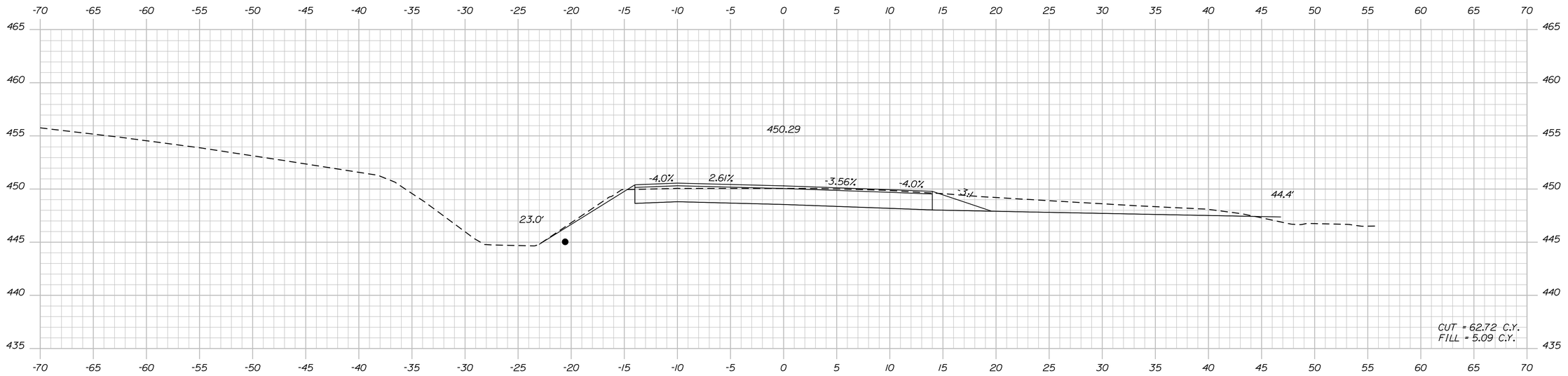
SHEET NUMBER

270

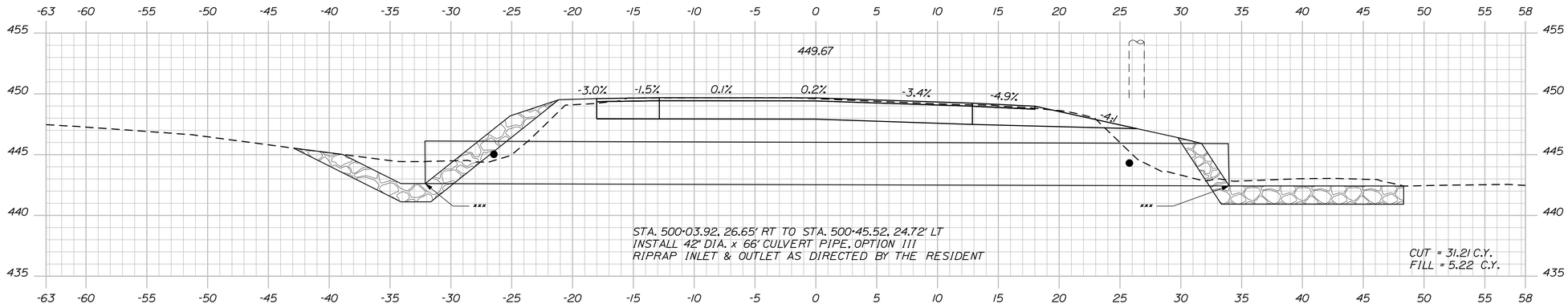
OF 329

Sta. 401+00.00 to Sta. 401+30.06

Filename: ...\270_Xsect_Sideroad and Drainage Sections\WIN012780.00_005.dgn Date:3/4/2015

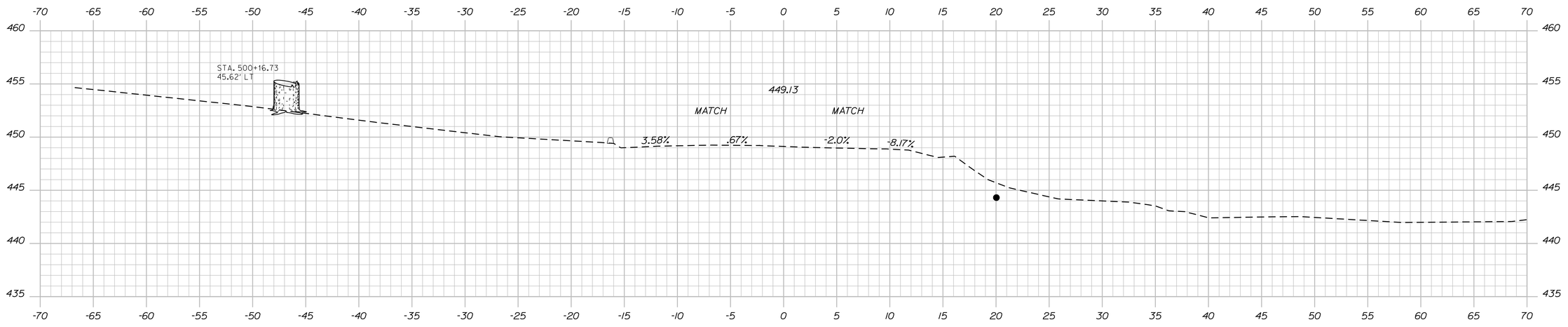


500+50.00



500+25.50- SKEWED SECTION

STA. 500+00.00 TO STA. 501+77.72
CONSTRUCT RIVER ROAD 1 WITH 18" OF D.G.C.A. AND 3" OF HMA.
AS DIRECTED BY THE RESIDENT



500+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER		
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

271

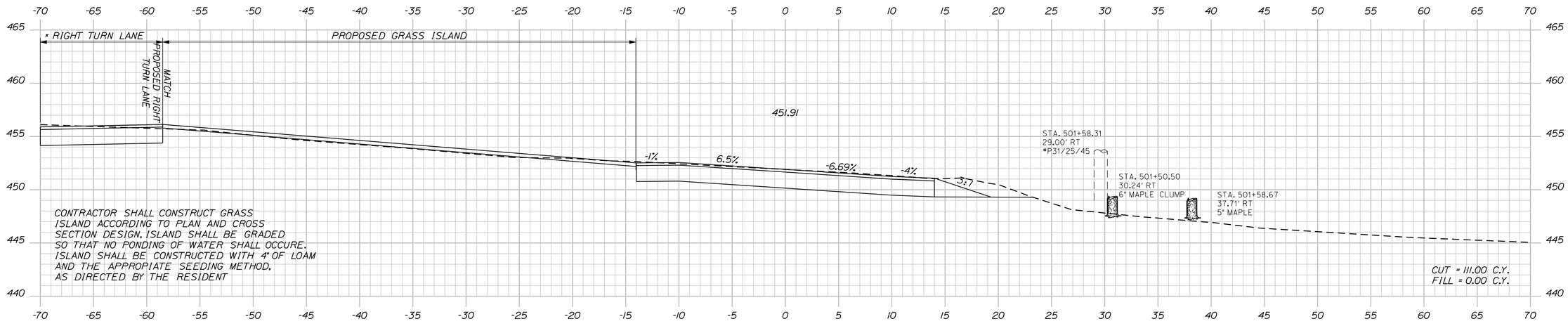
OF 329

Filename: ...\271_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Division: MAINE DOT Username: natasha.m.collins
MDOT_006.dgn

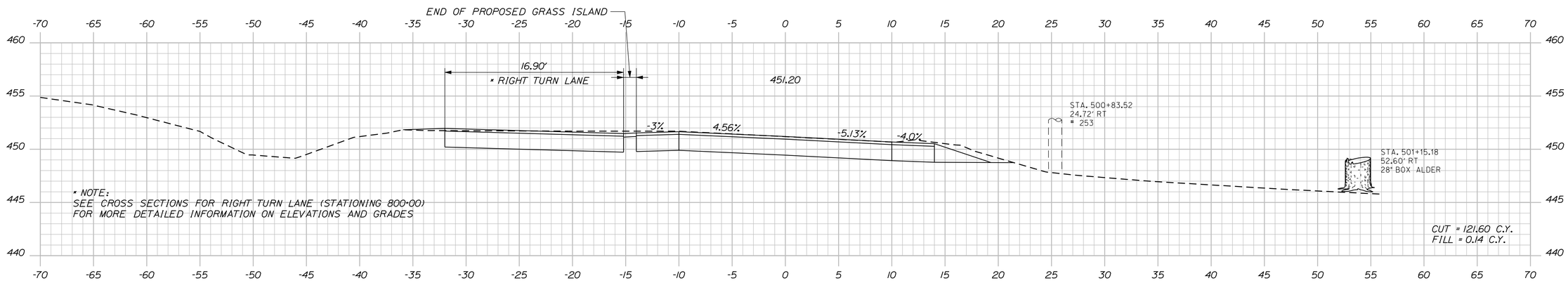
Sta. 500+00.00 to Sta. 500+50.00

Filename: ...\272_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Username: natasha.m.collins

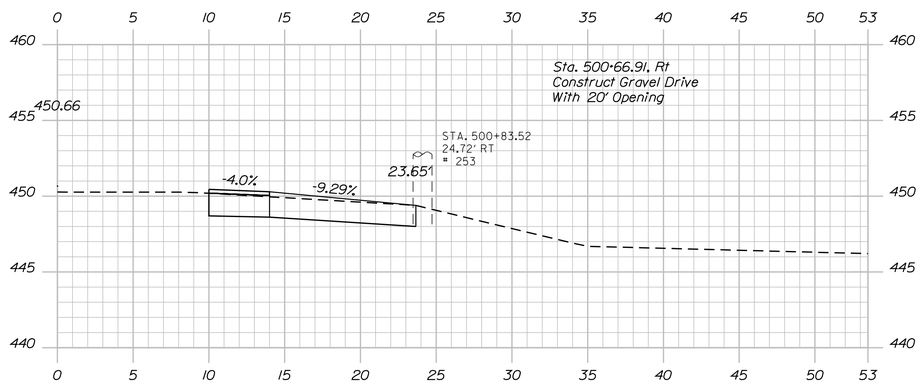
STA. 501+77.72 = IN INTERSECTION WITH RT. 161



501+50.00



501+00.00



500+66.91

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	$revision3$		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

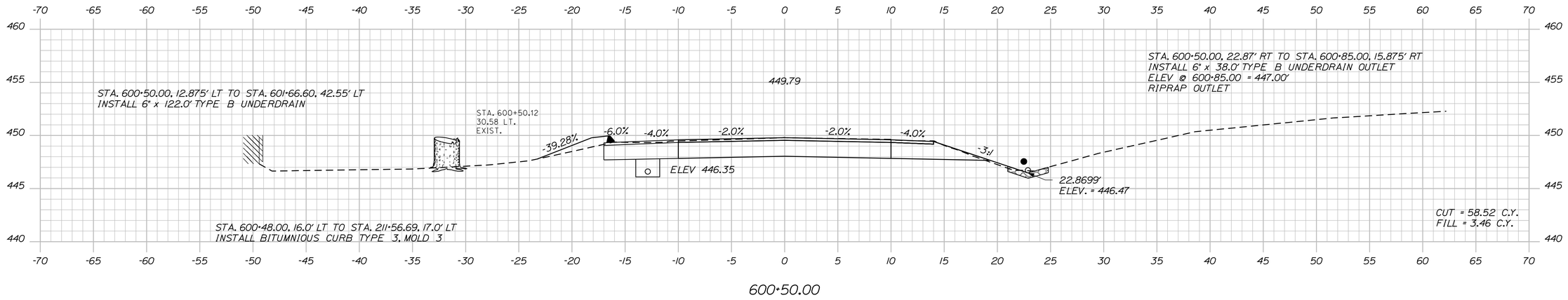
CROSS SECTIONS

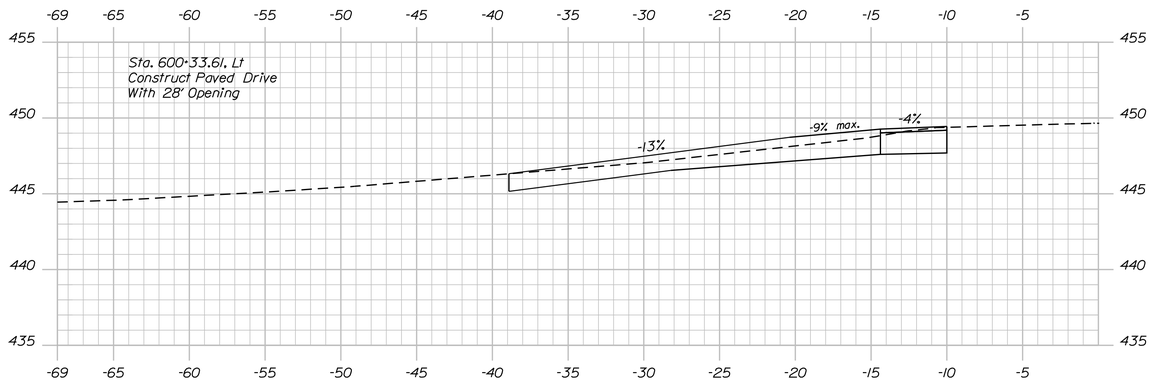
SHEET NUMBER

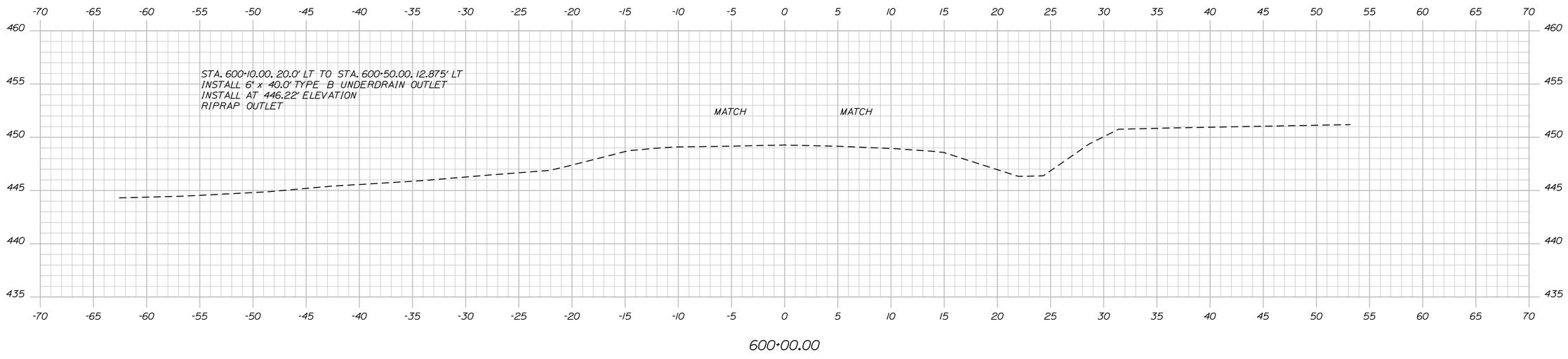
272

OF 329

Sta. 500+66.91 to Sta. 501+50.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$			DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$	
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$	
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$	
REVISIONS 1	------	------	$revdate1$	P.E. NUMBER
REVISIONS 2	------	------	$revdate2$	
REVISIONS 3	$revision3$		$revdate3$	
REVISIONS 4	$revision4$		$revdate4$	DATE
FIELD CHANGES	$fieldchange$		$fielddate$	

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

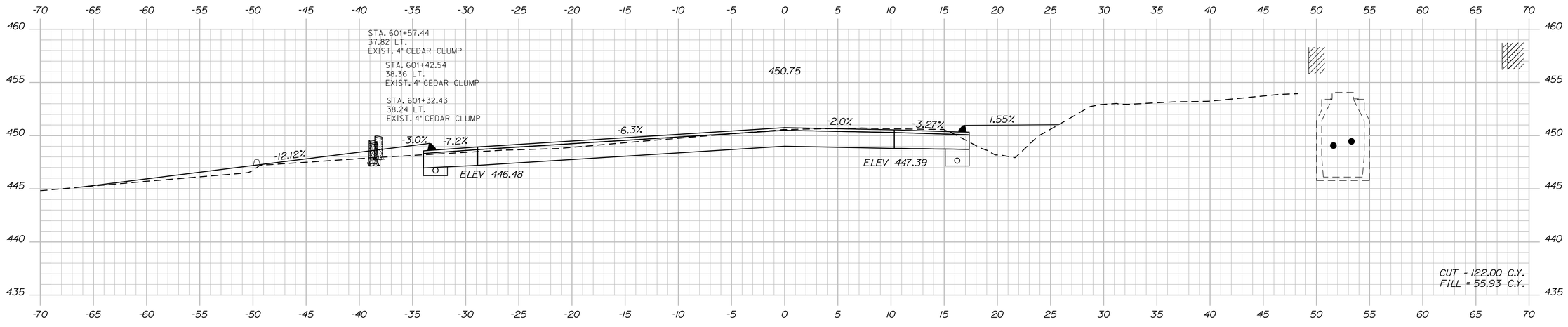
SHEET NUMBER

273

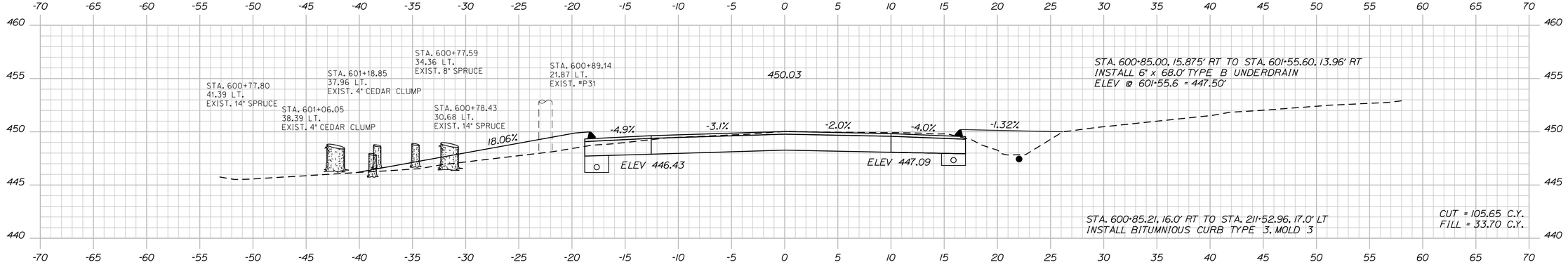
OF 329

Sta. 600+00.00 to Sta. 600+50.00

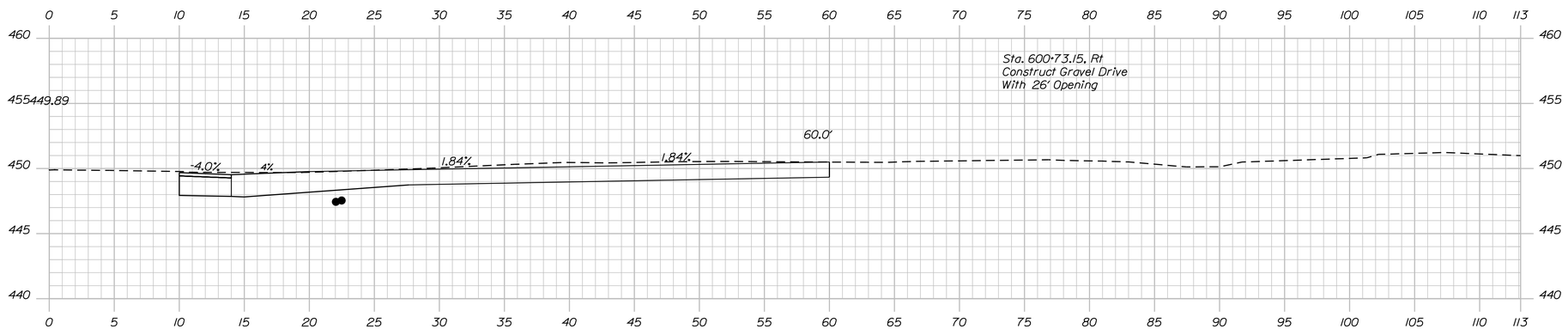
Filename: ...\273_Xsect_Siderood and Drainage Sections.dgn Date:3/4/2015
Cross Section FINAL PLOT Y00_008.dgn username: natasha.m.collins



601+50.00



601+00.00



600+73.15

Sta. 600+73.15 to Sta. 601+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	$designer1$	-----	-----
DESIGN-DETAILED	$designer1$	$detailer1$	$pro/date1$	
CHECKED-REVIEWED	$designer2$	$detailer2$	$pro/date2$	SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$pro/date2$	-----
DESIGN3-DETAILED3	$designer3$	$detailer3$	$pro/date3$	P.E. NUMBER
REVISIONS 1	-----	-----	$revdate1$	-----
REVISIONS 2	$revision3$	-----	$revdate3$	
REVISIONS 3	$revision3$	-----	$revdate3$	DATE
REVISIONS 4	$revision4$	-----	$revdate4$	
FIELD CHANGES	$fieldchange$	-----	$fielddate$	

CARIBOU
STATE ROUTE 161

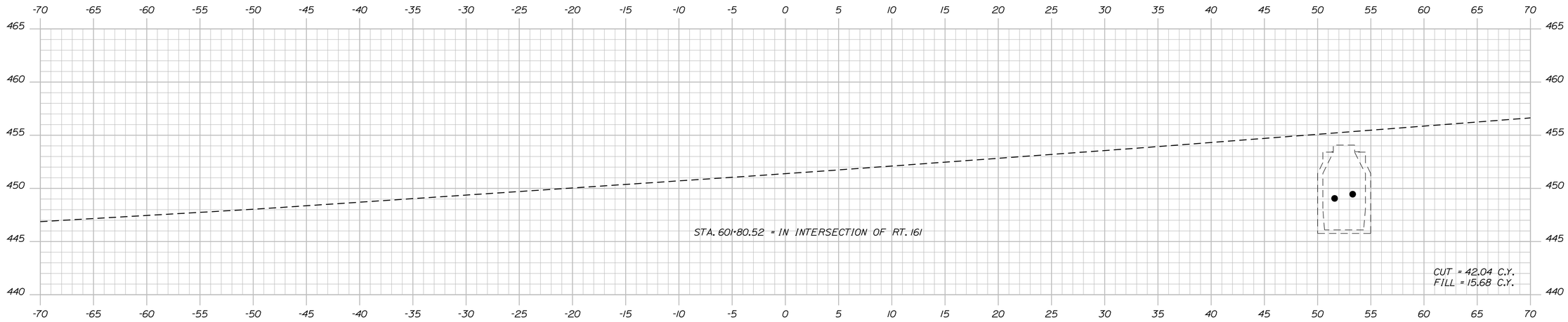
CROSS SECTIONS

SHEET NUMBER

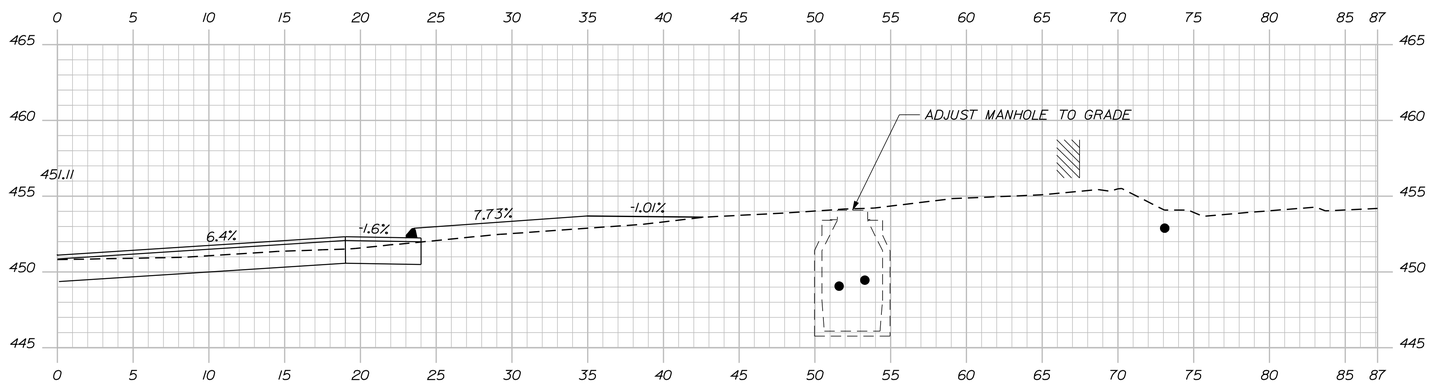
274

OF 329

Filename: ...\274_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Username: natasha.m.collins



601+95.52



601+68.21

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

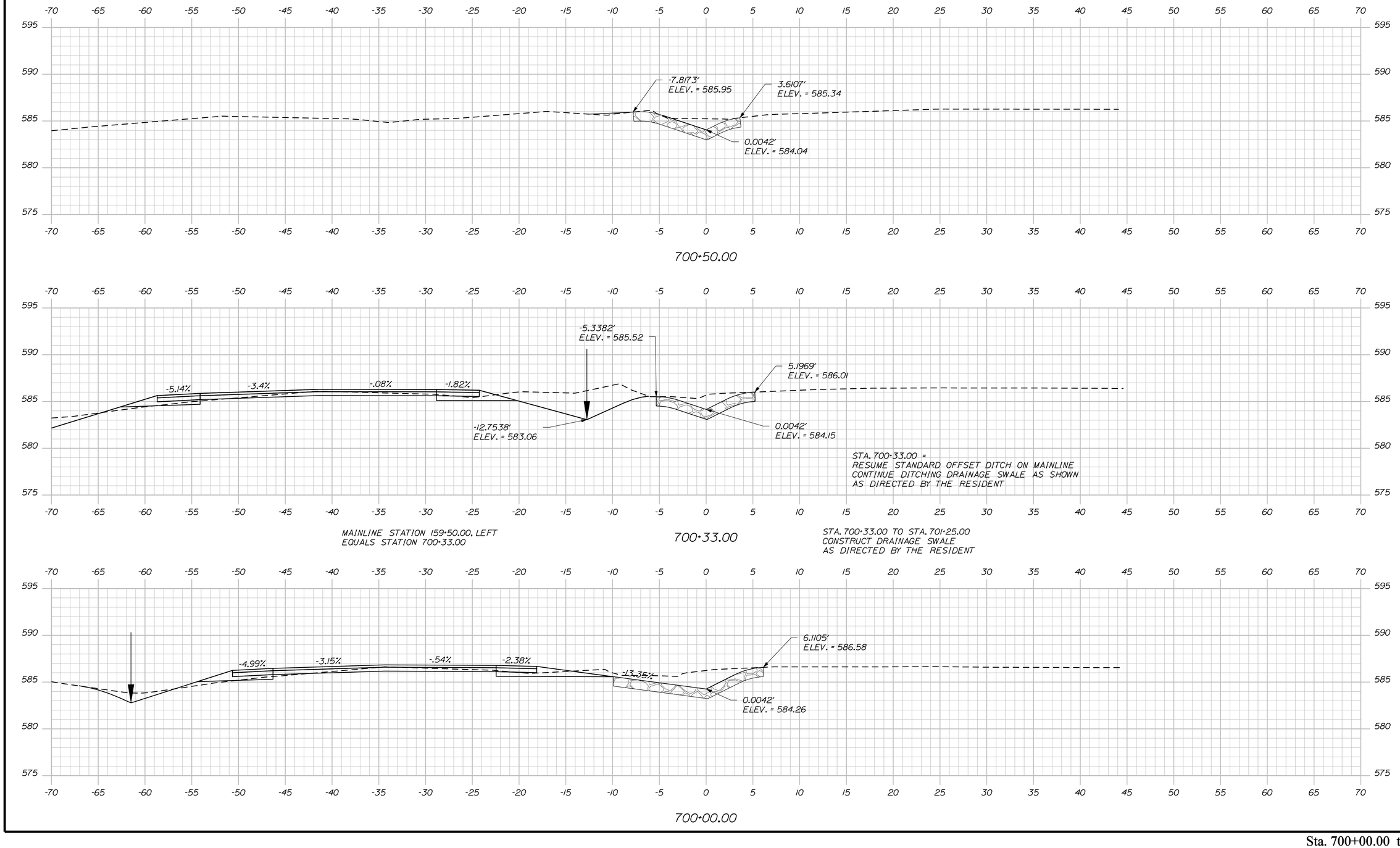
SHEET NUMBER

275

OF 329

Filename: ...\275_Xsect_Sideroad and Drainage Section.dgn Date:3/4/2015

Sta. 601+68.21 to Sta. 601+95.52



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

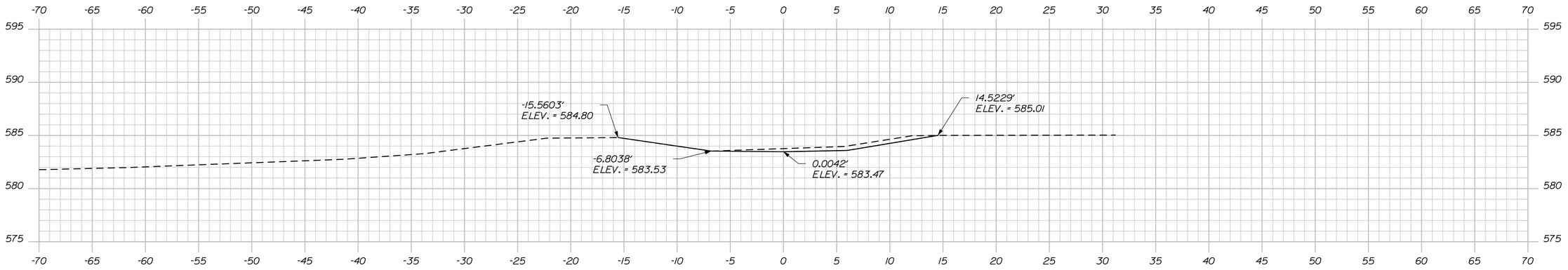
SHEET NUMBER

276

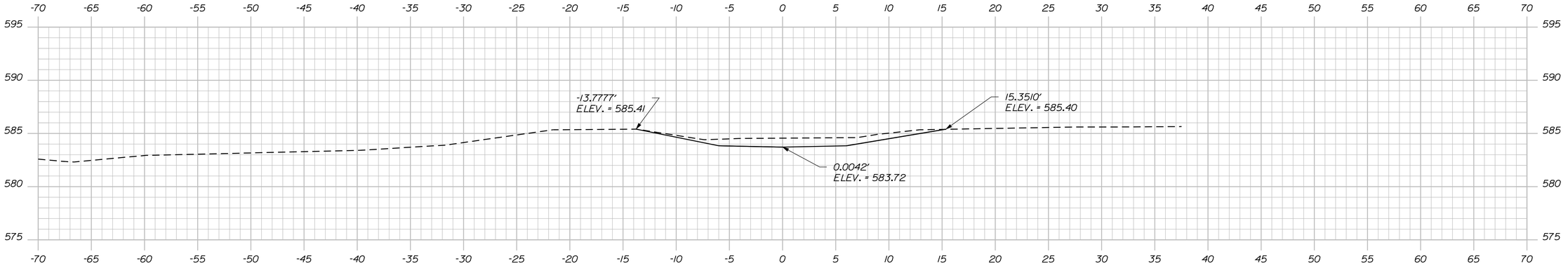
OF 329

Sta. 700+00.00 to Sta. 700+50.00

Filename: ...\276_Xsect_Sideroad and Drainage Sections.dgn Design: NNNCLIFFORD00_011.dgn Username: natasha.m.collins Date:3/4/2015

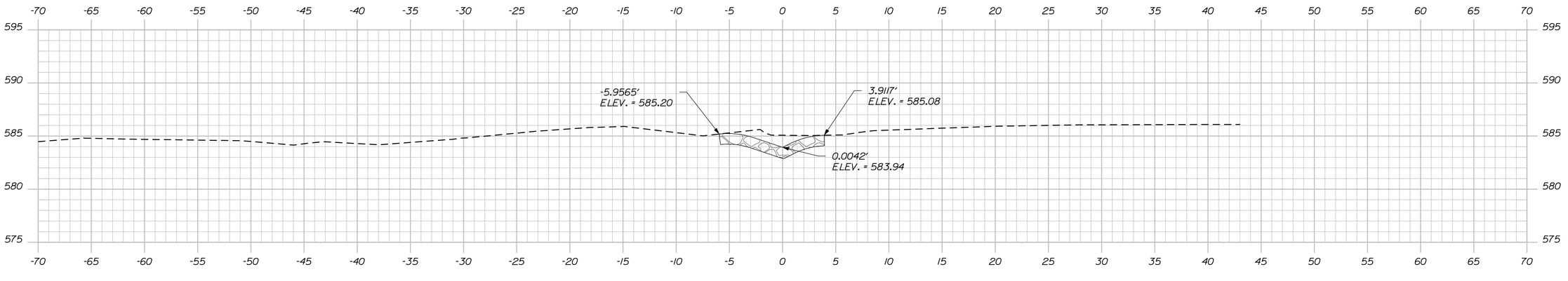


701+00.00



700+75.00

STA. 700+70.00 TO 700+75.00
TRANSITION V BOTTOM DITCH TO TRAPEZOIDAL SHAPE WITH 12' WIDE BOTTOM



700+70.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	-----	$revdate1$
REVISIONS 2	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

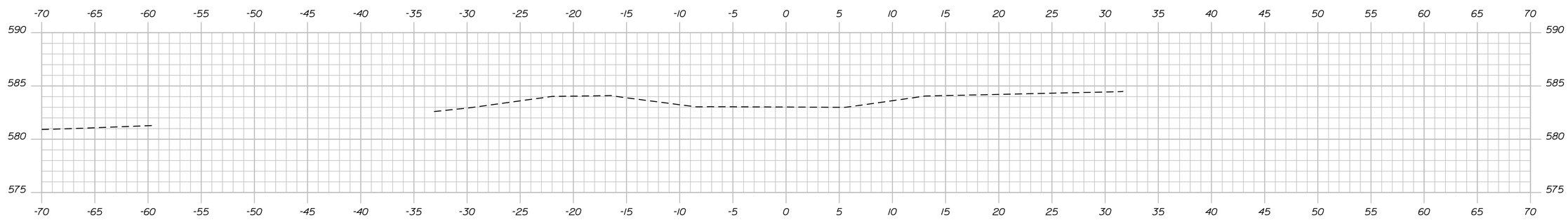
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

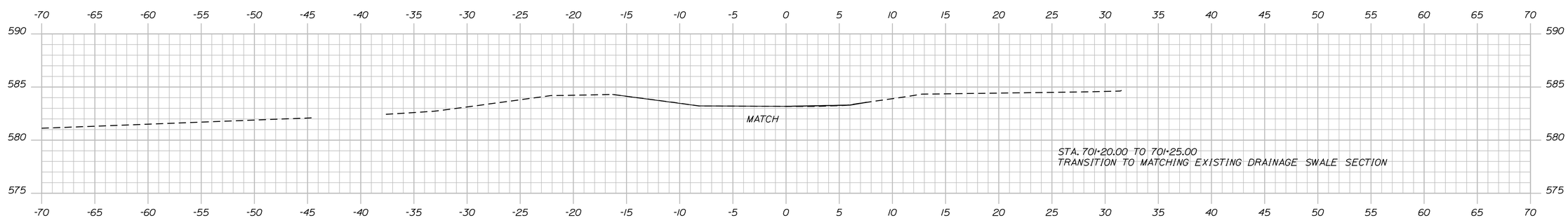
SHEET NUMBER
277
OF 329

Sta. 700+70.00 to Sta. 701+00.00

Filename: ...\277_Xsect_Sideroad and Drainage Section FINAL.dgn Date:3/4/2015
Division: HIGHWAY Username: natasha.m.collins



701+50.00



701+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

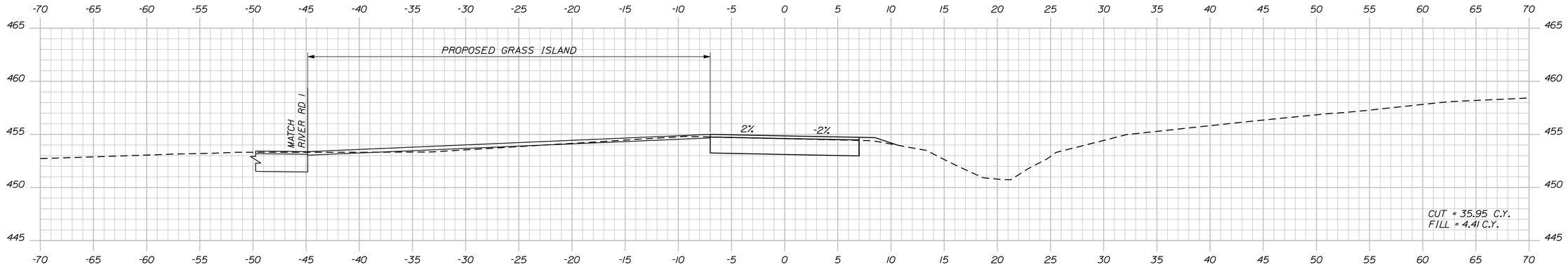
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER
278
OF 329

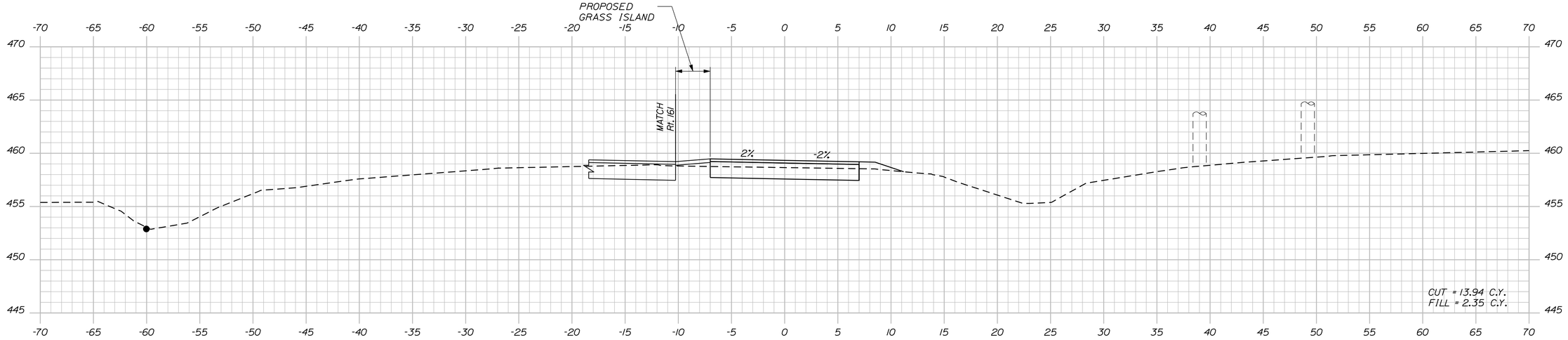
Sta. 701+25.00 to Sta. 701+50.00

Filename: ...\278_Xsect_Sideroad and Drainage Sections.dgn Division: HIGHWAY Date:3/4/2015
Filename: ...\278_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015



CONTRACTOR SHALL CONSTRUCT GRASS ISLAND ACCORDING TO PLAN AND CROSS SECTION DESIGN. ISLAND SHALL BE GRADED SO THAT NO PONDING OF WATER SHALL OCCURE. ISLAND SHALL BE CONSTRUCTED WITH 4" OF LOAM AND THE APPROPIATE SEEDING METHOD. AS DIRECTED BY THE RESIDENT

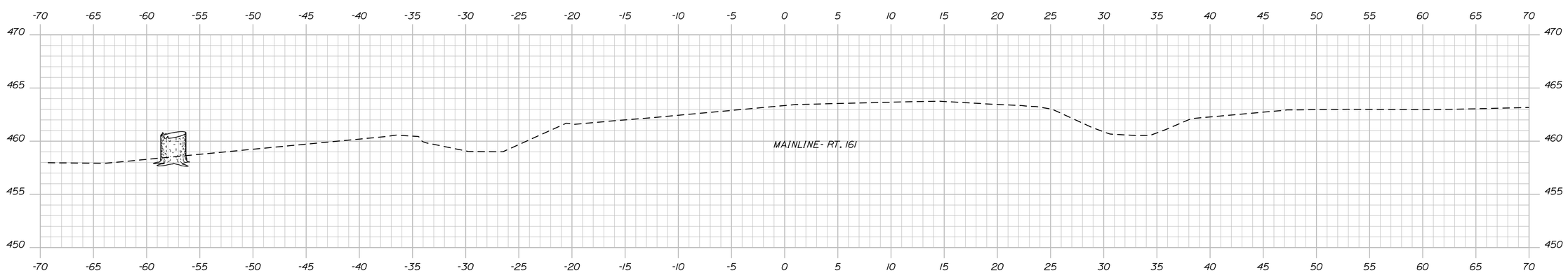
801+00.00



MAINLINE STATION 210+72.77 EQUALS STATION 800+12.73

800+50.00

STA. 800+12.73 TO STA. 801+64.00
CONSTRUCT RIVER ROAD TURN LANE WITH 18" OF D.G.C.A. AND 3" OF HMA. AS DIRECTED BY THE RESIDENT



800+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$date1$	$pro/date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$date2$	$pro/date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$pro/date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$	$fieldate$

BY | DATE | SIGNATURE | P.E. NUMBER | DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

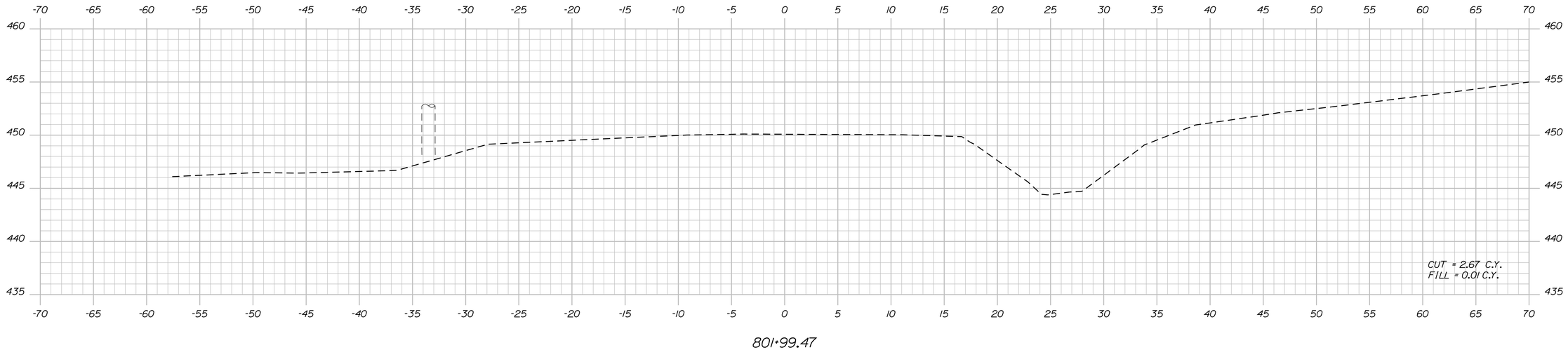
SHEET NUMBER

279

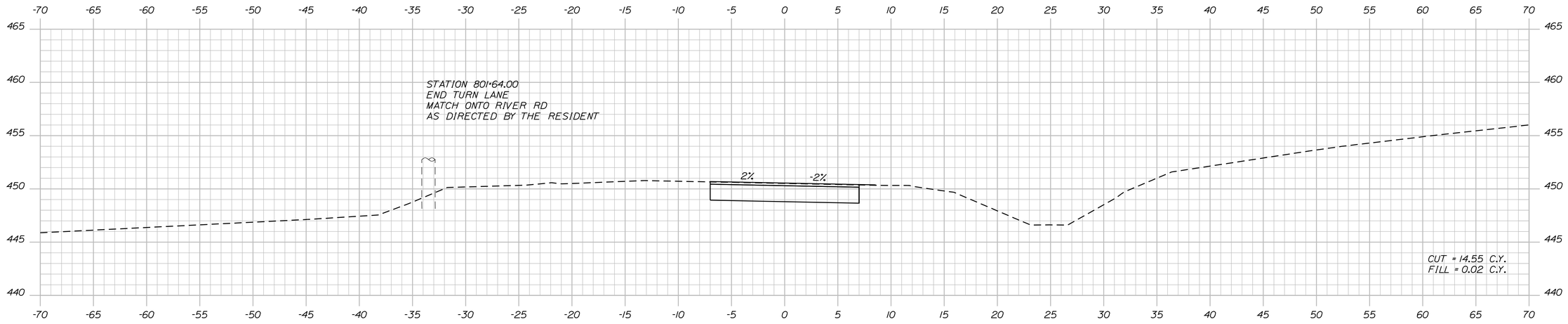
OF 329

Sta. 800+00.00 to Sta. 801+00.00

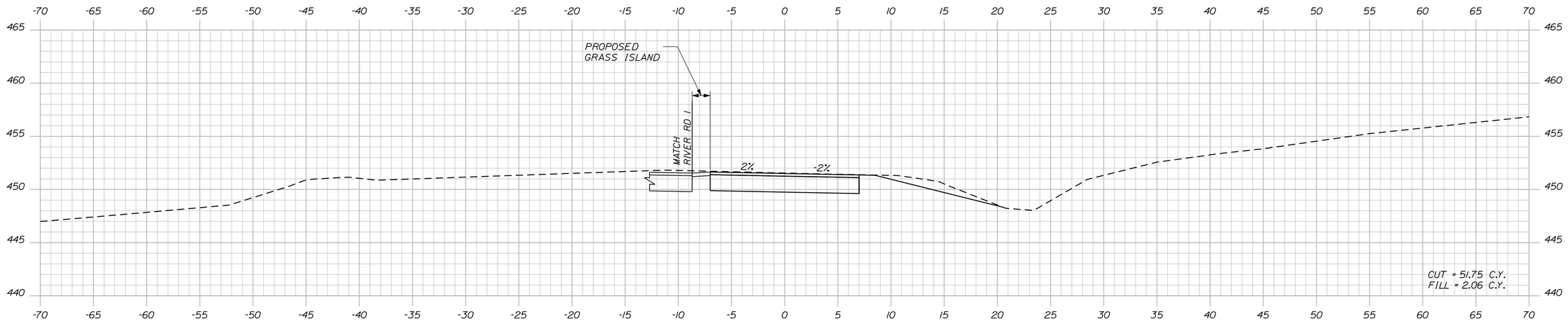
Filename: ...\279_Xsect_Sideroad and Drainage Sections\WIN012780.00_014.dgn username: natasha.m.collins Date:3/4/2015



801+99.47



801+64.00



801+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

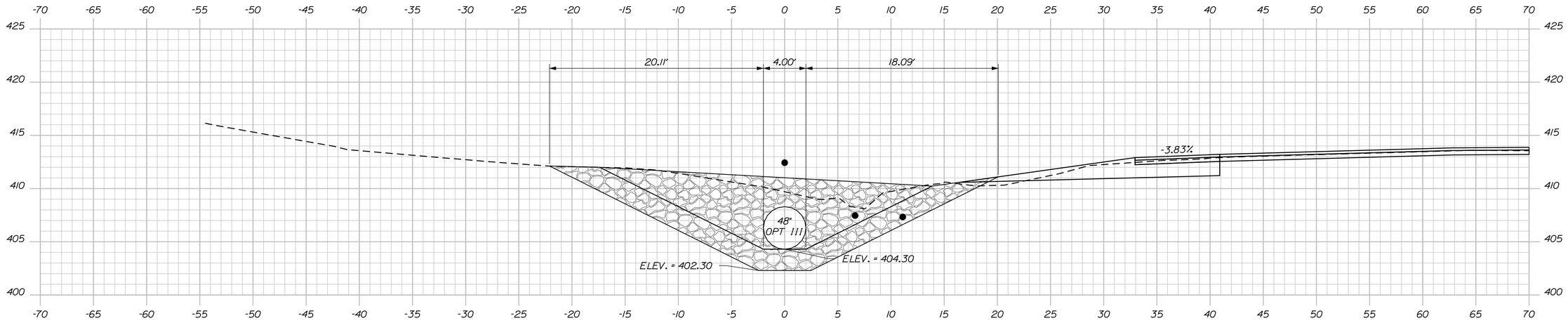
SHEET NUMBER

280

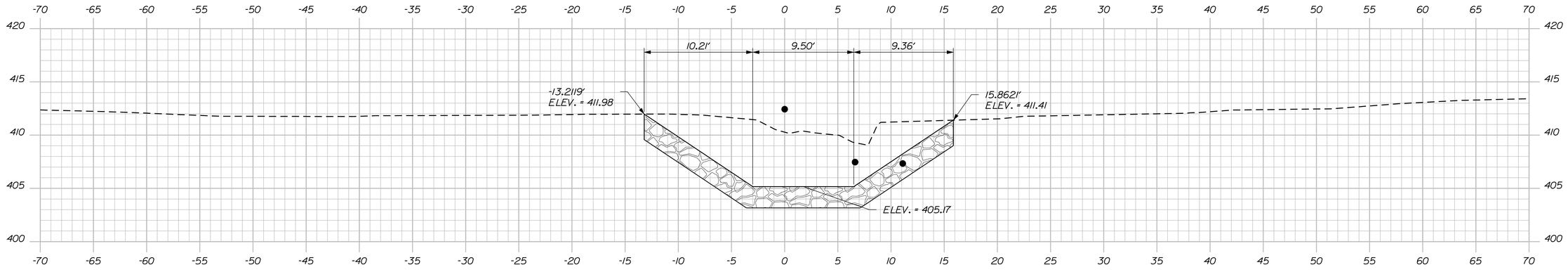
OF 329

Sta. 801+50.00 to Sta. 801+99.47

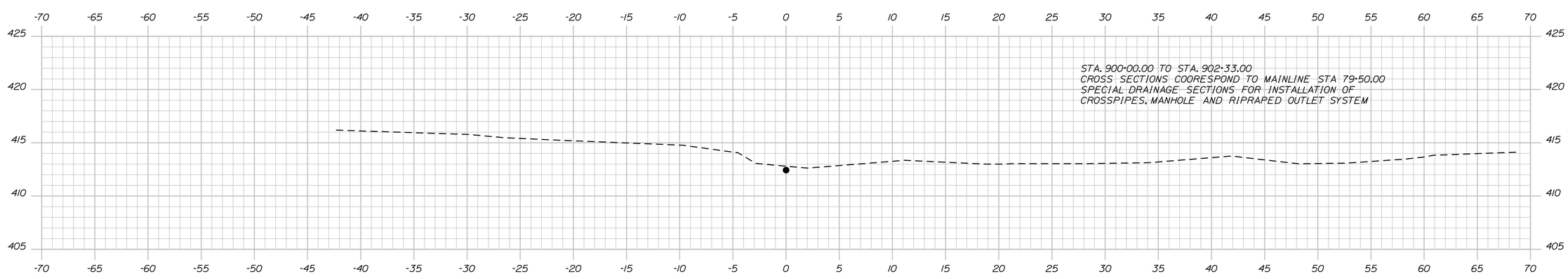
Filename: ...\280_Xsect_Sideroad and Drainage Sections\FINAL\BOA150_015.dgn Date:3/4/2015
Filename: natasha.m.collins



900+28.20



900+20.00



900+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

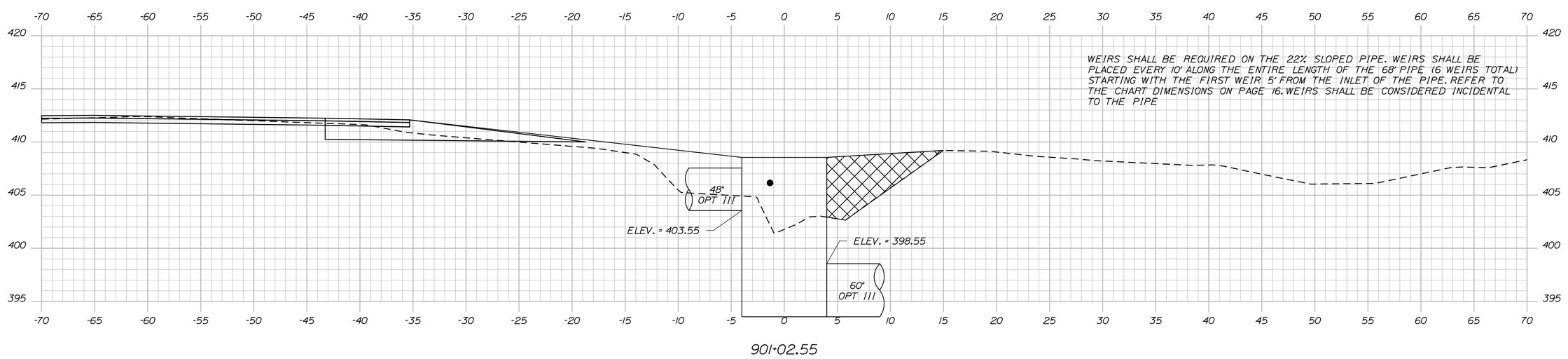
SHEET NUMBER

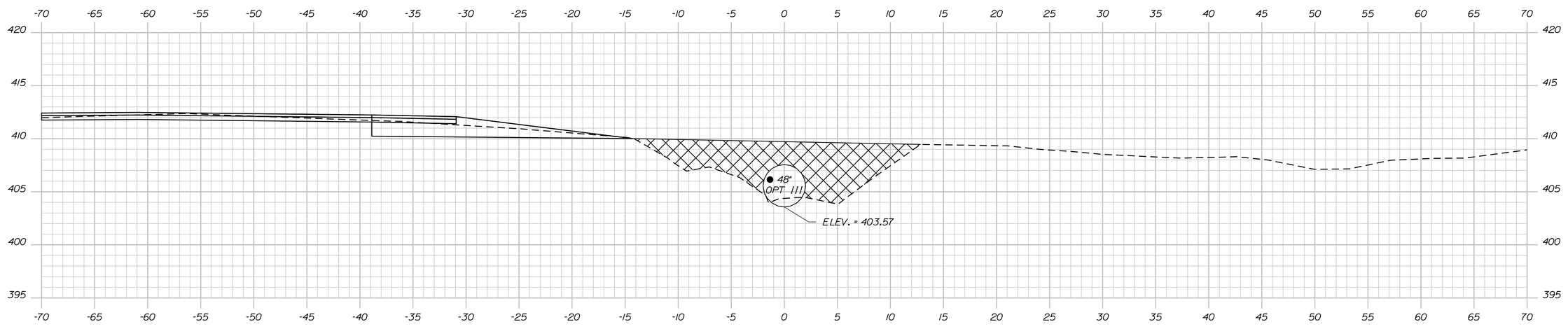
281

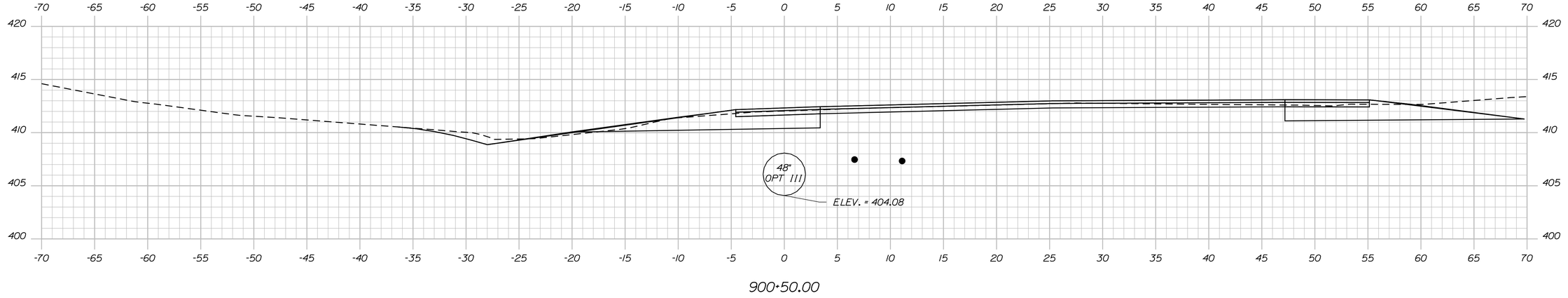
OF 329

Filename: ...\281_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015

Sta. 900+00.00 to Sta. 900+28.20







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	------		$revdate1$ P.E. NUMBER
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

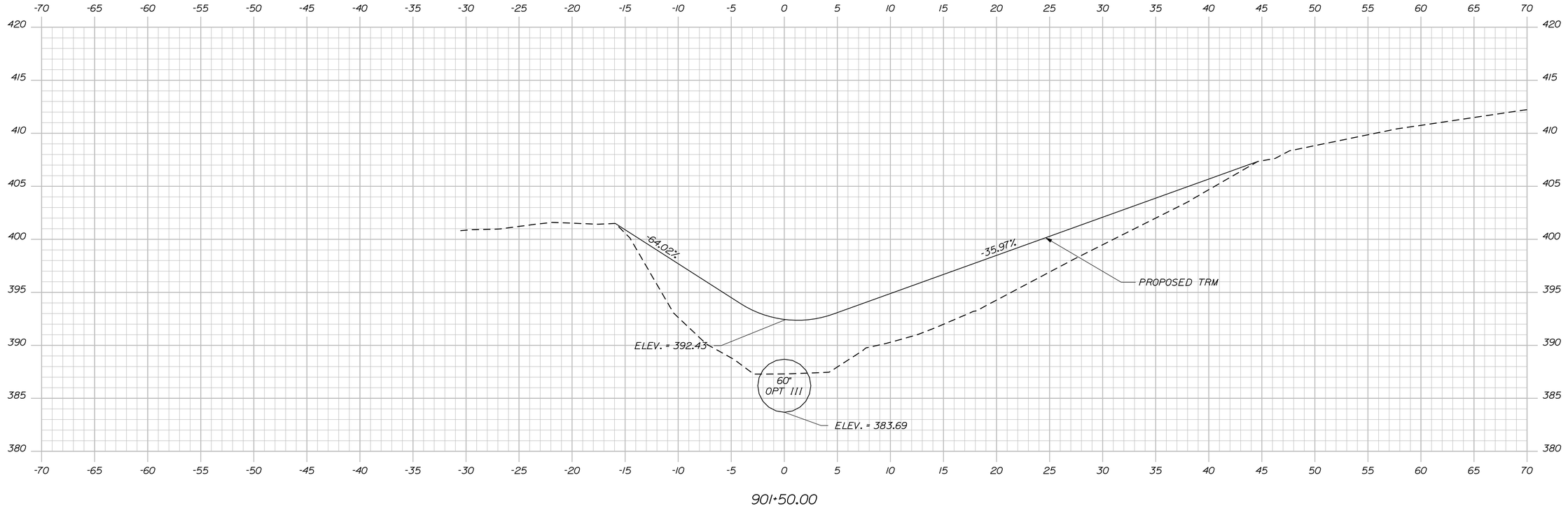
282

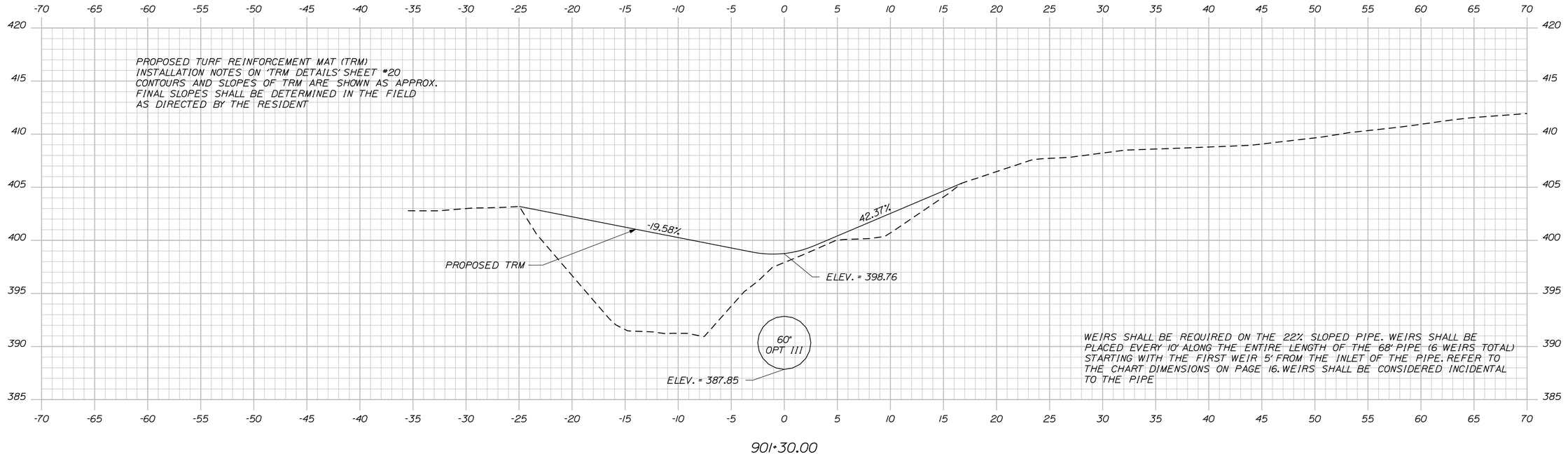
OF 329

Sta. 900+50.00 to Sta. 901+02.55

Filename: ...\282_Xsect_Siderood and Drainage Sections.dgn Date:3/4/2015
Design File Name: N:\CL1\900X50_017.dgn Username: natasha.m.collins

Filename: ...\283_Xsect_Siderod and Drainge Sections\FINAL\283_K30_018.dgn User:natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	----- SIGNATURE
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$ P.E. NUMBER
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$ DATE
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

CARIBOU
STATE ROUTE 161

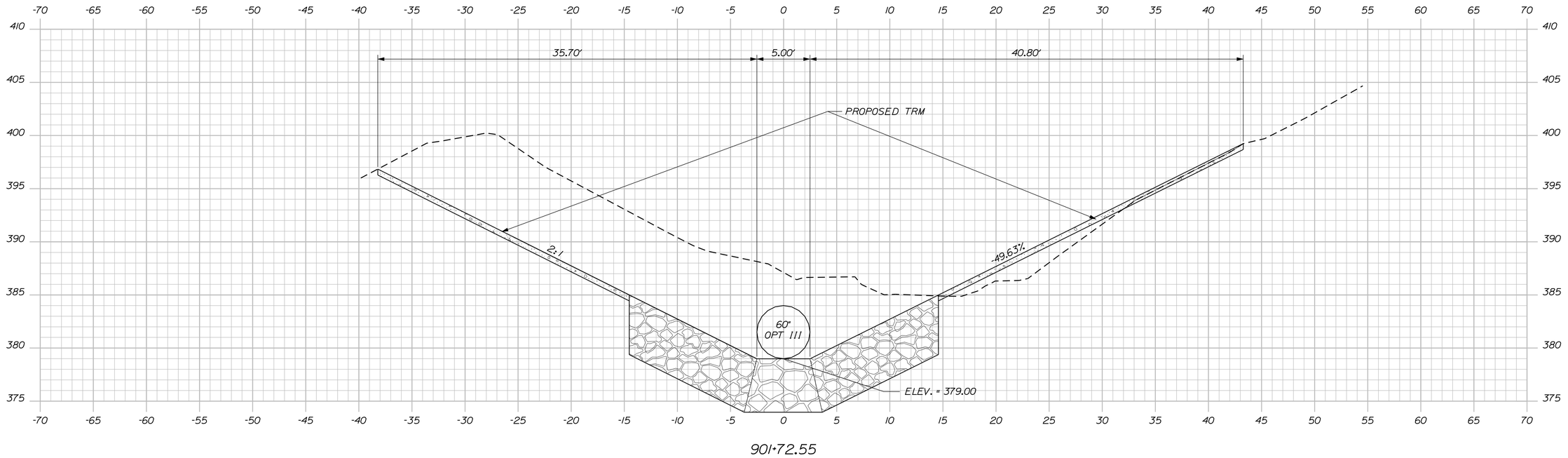
CROSS SECTIONS

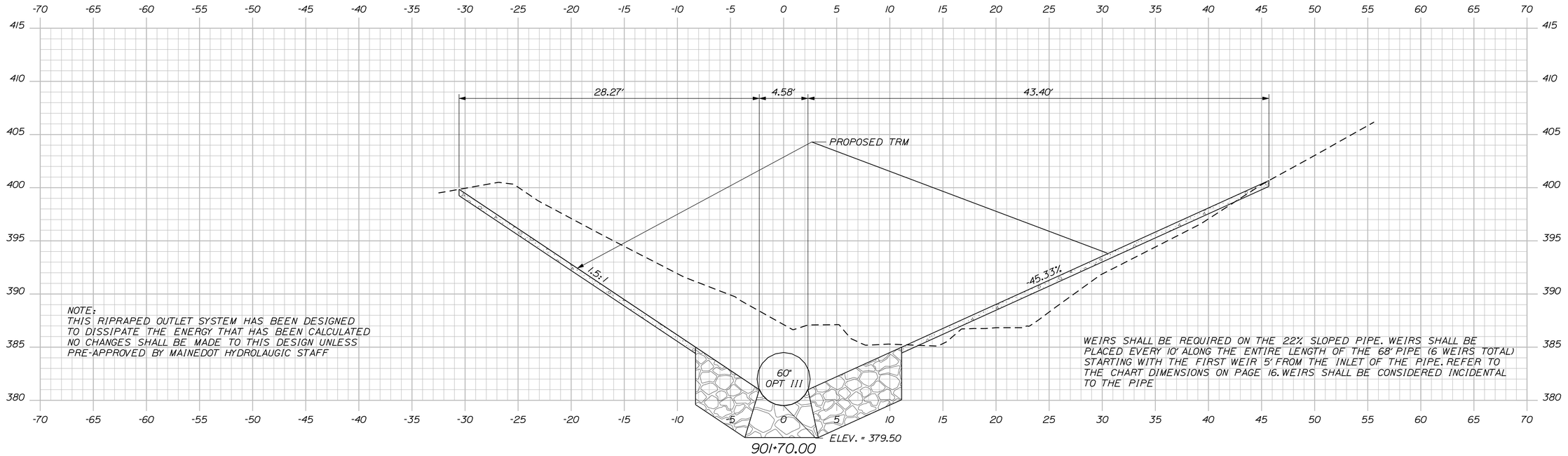
SHEET NUMBER

283

OF 329

Sta. 901+30.00 to Sta. 901+50.00





Sta. 901+70.00 to Sta. 901+72.55

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER #PROJMANAGER#			
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	$revdate3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

BY | DATE

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

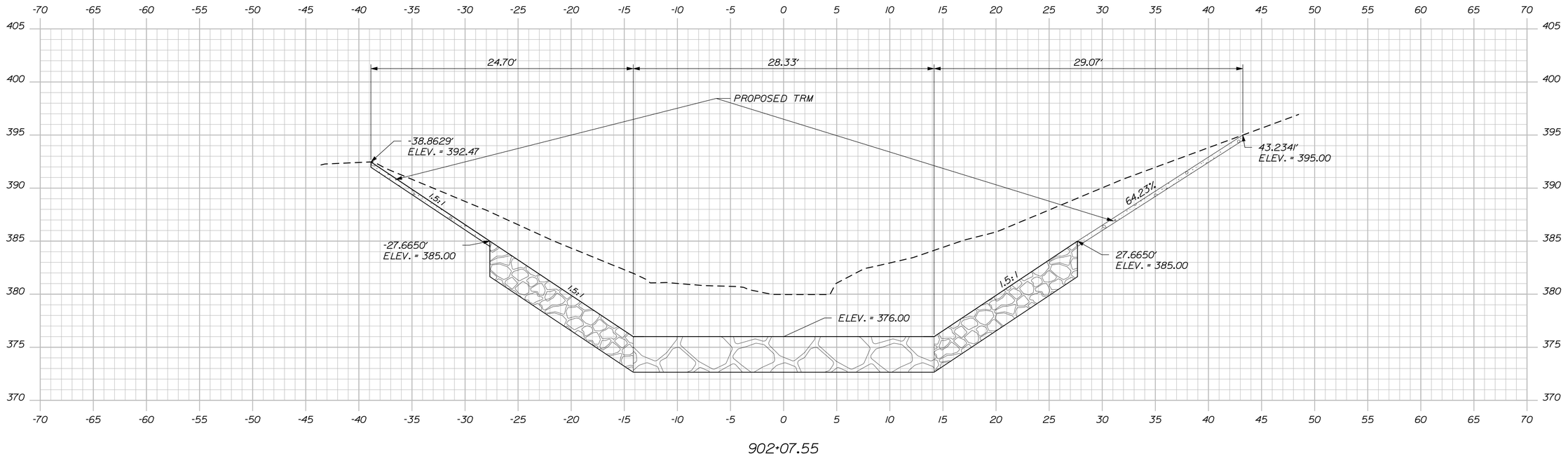
SHEET NUMBER

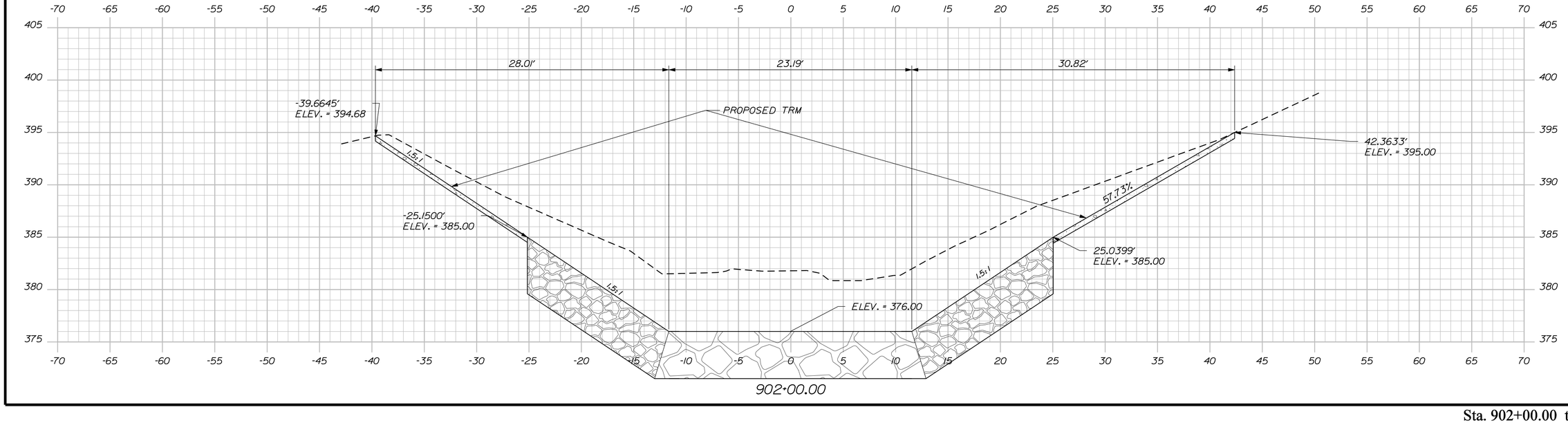
284

OF 329

Filename: ...\284_Xsect_Sideroad and Drainage Sections.dgn Division: 0 Level: 0 Color: 0 Weight: 0 Style: 0 Date:3/4/2015

Filename: ...\285_Xsect_Siderood and Drainage Sections\WIN012780X00_020.dgn username: natasha.m.collins Date:3/4/2015





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	#PROJMANAGER#	BY	DATE
DESIGN-DETAILED	$designer1$	$date1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$date2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$date3$	$proj date3$
REVISIONS 1	-----	$revdate1$	
REVISIONS 2	-----	$revdate2$	
REVISIONS 3	$revision3$	$revdate3$	DATE
REVISIONS 4	$revision4$	$revdate4$	
FIELD CHANGES	$fieldchange$	$fielddate$	

SIGNATURE

P.E. NUMBER

CARIBOU
STATE ROUTE 161

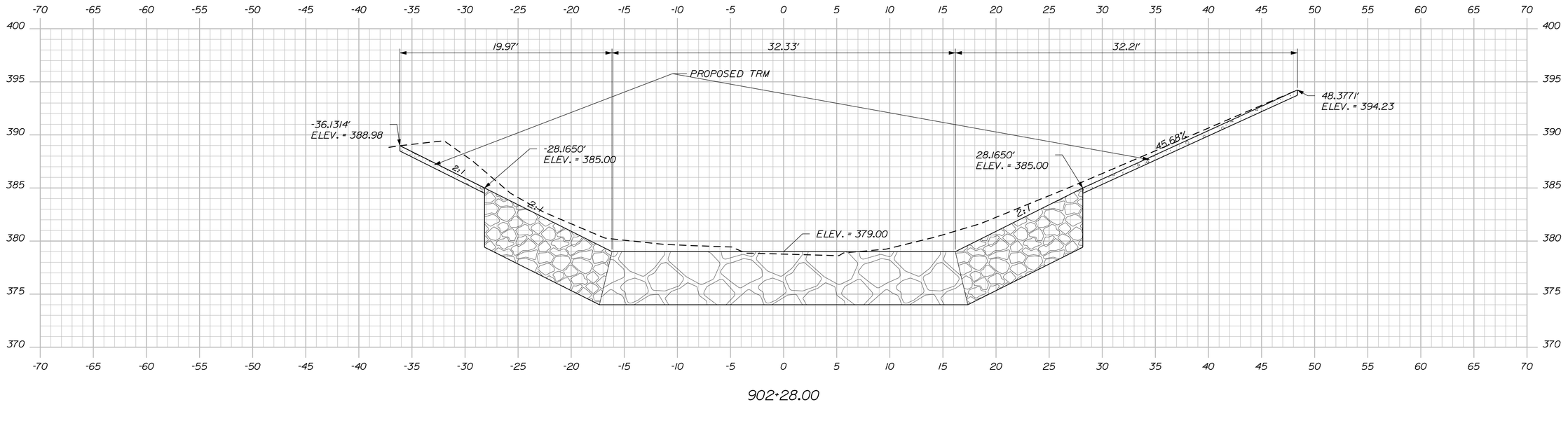
CROSS SECTIONS

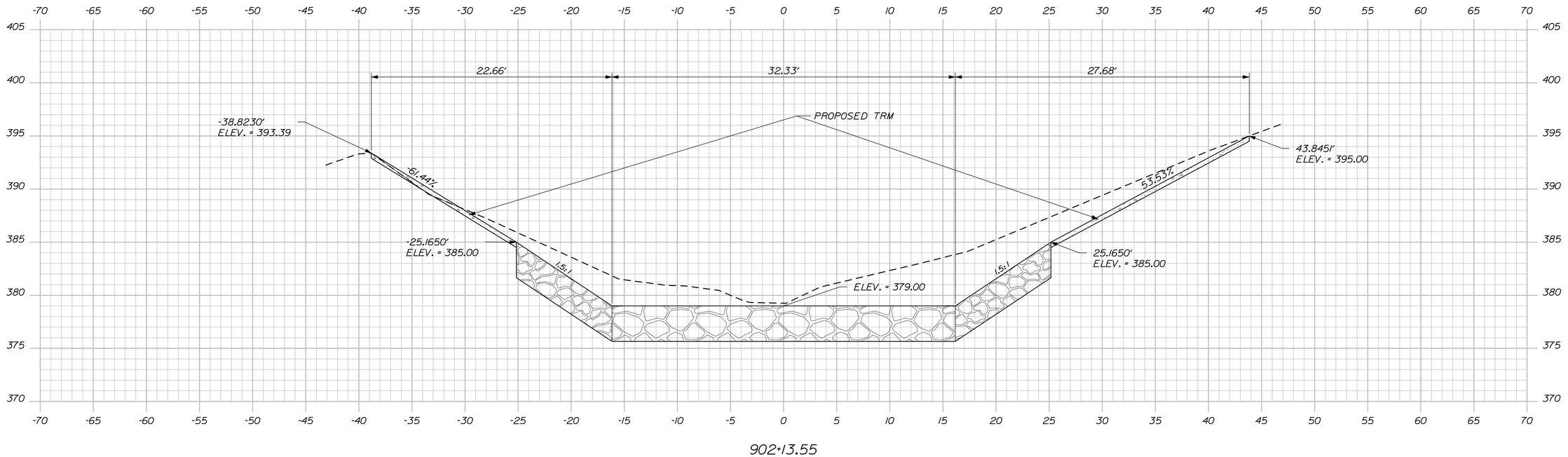
SHEET NUMBER

285

OF 329

Sta. 902+00.00 to Sta. 902+07.55





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER

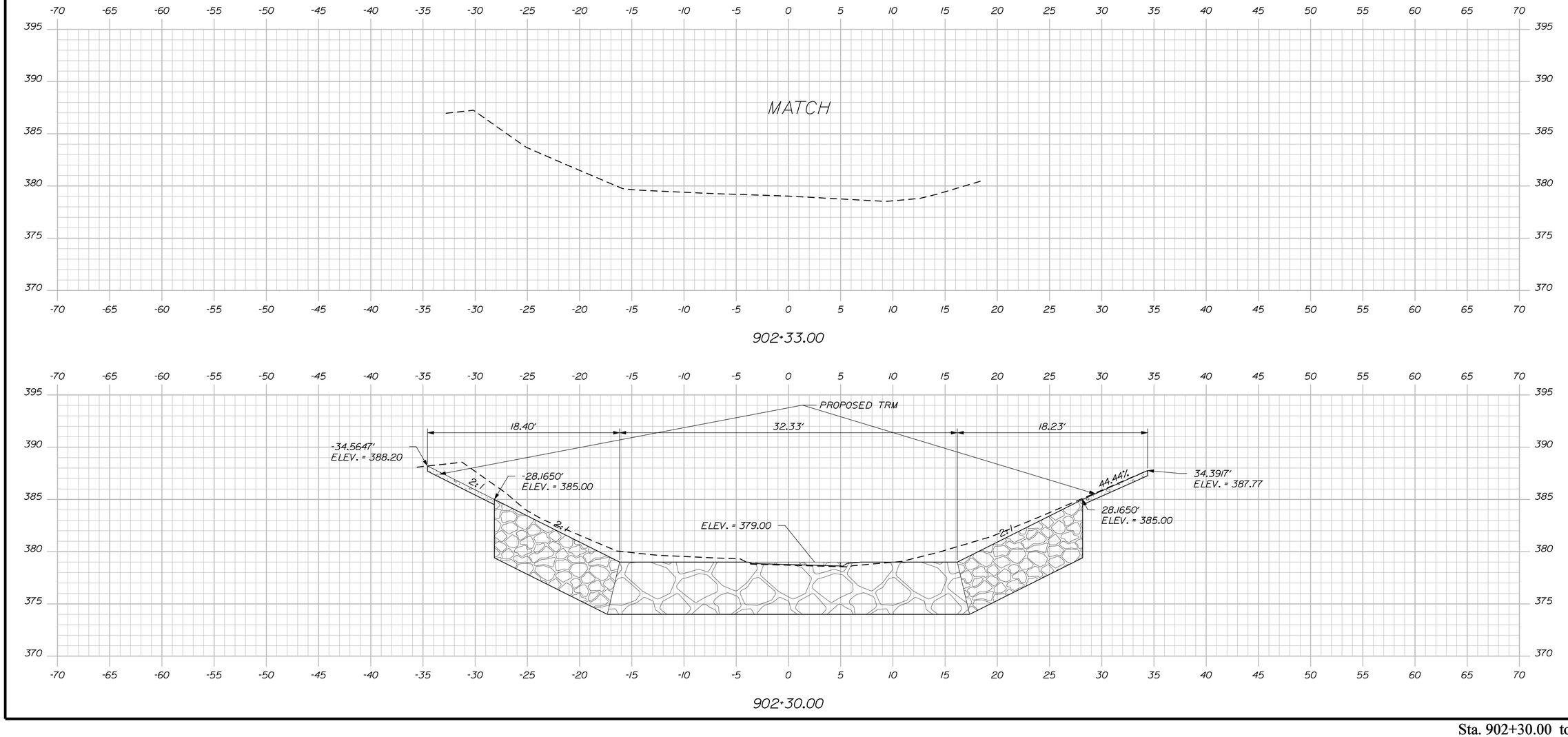
286

OF 329

Sta. 902+13.55 to Sta. 902+28.00

Filename: ...\286_Xsect_Sideroad and Drainage Section FINAL.dwg Date:3/4/2015
Division: HIGHWAY13_021.dgn Username: natasha.m.collins

Filename: ...\287_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Username: natasha.m.collins



PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldDate$

P.E. NUMBER

SIGNATURE

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

CARIBOU
STATE ROUTE 161

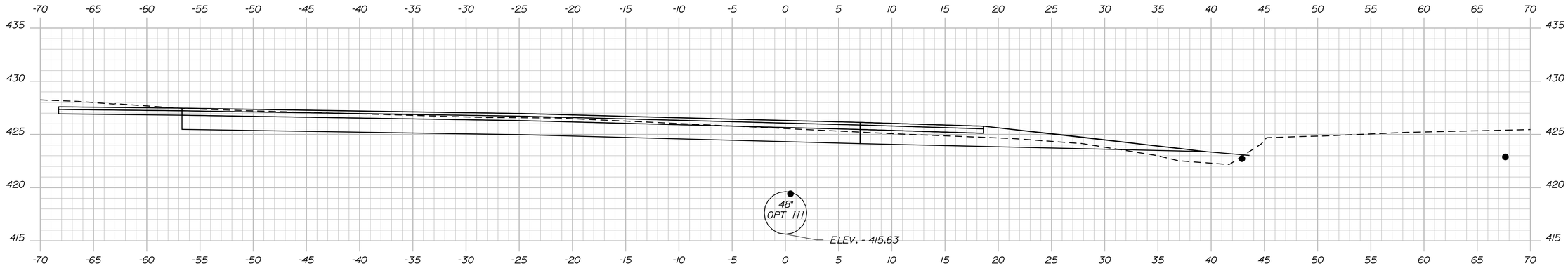
CROSS SECTIONS

SHEET NUMBER

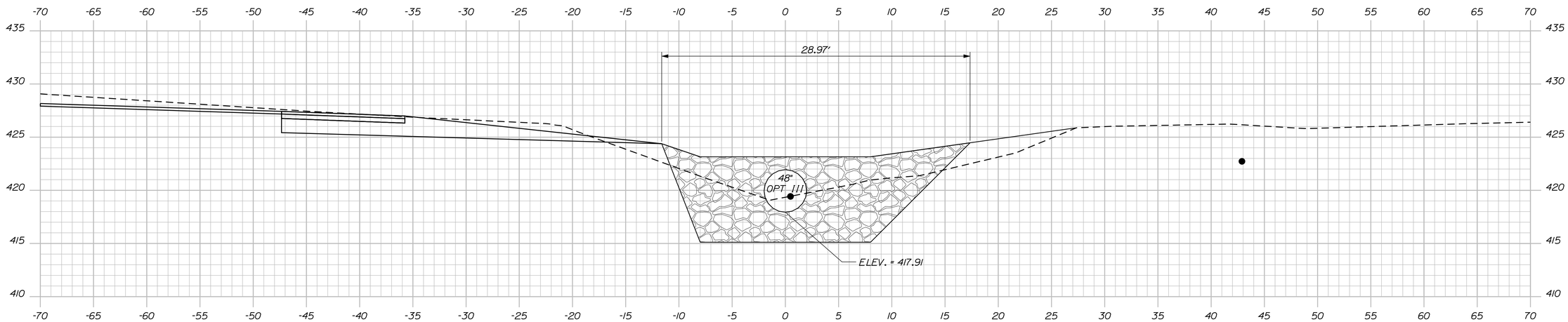
287

OF 329

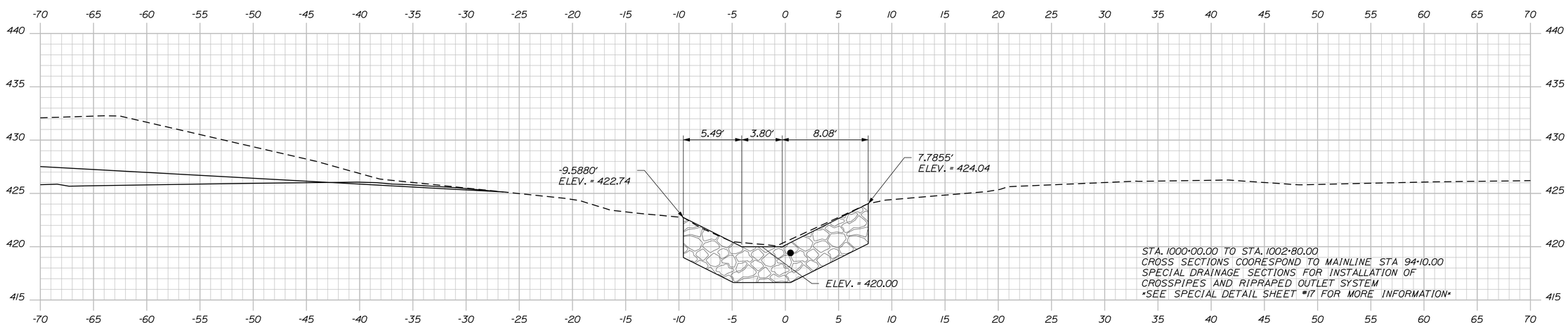
Sta. 902+30.00 to Sta. 902+33.00



1000+50.00



1000+30.00



STA. 1000+00.00 TO STA. 1002+80.00
CROSS SECTIONS COORESPOND TO MAINLINE STA 94+10.00
SPECIAL DRAINAGE SECTIONS FOR INSTALLATION OF
CROSSPIPES AND RIPRAPED OUTLET SYSTEM
SEE SPECIAL DETAIL SHEET #17 FOR MORE INFORMATION

1000+20.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

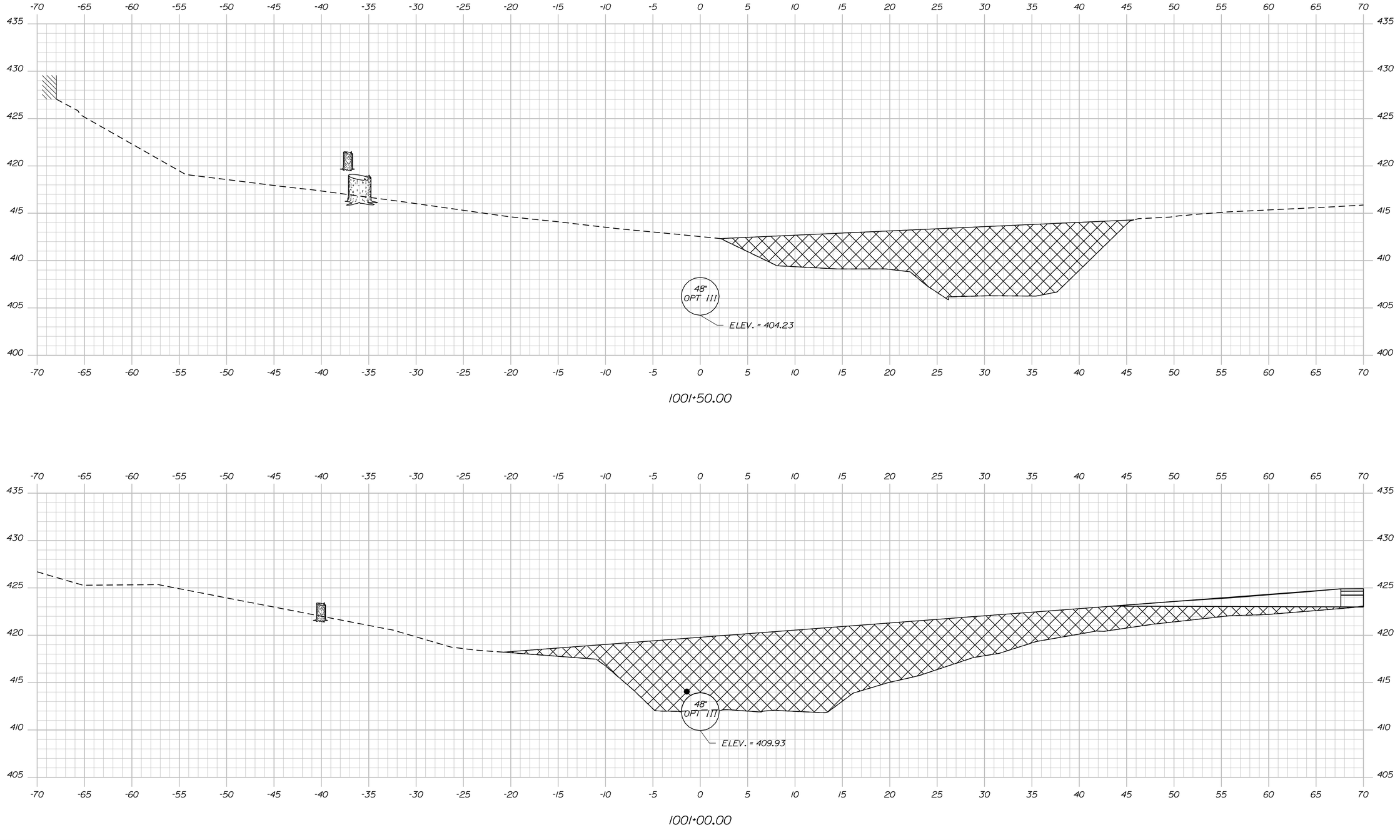
SHEET NUMBER

288

OF 329

Sta. 1000+20.00 to Sta. 1000+50.00

Filename: ...\288_Xsect_Sideroad and Drainage Section of HIGHWAY 20_023.dgn Username: natasha.m.collins Date:3/4/2015



Sta. 1001+00.00 to Sta. 1001+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldchdate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

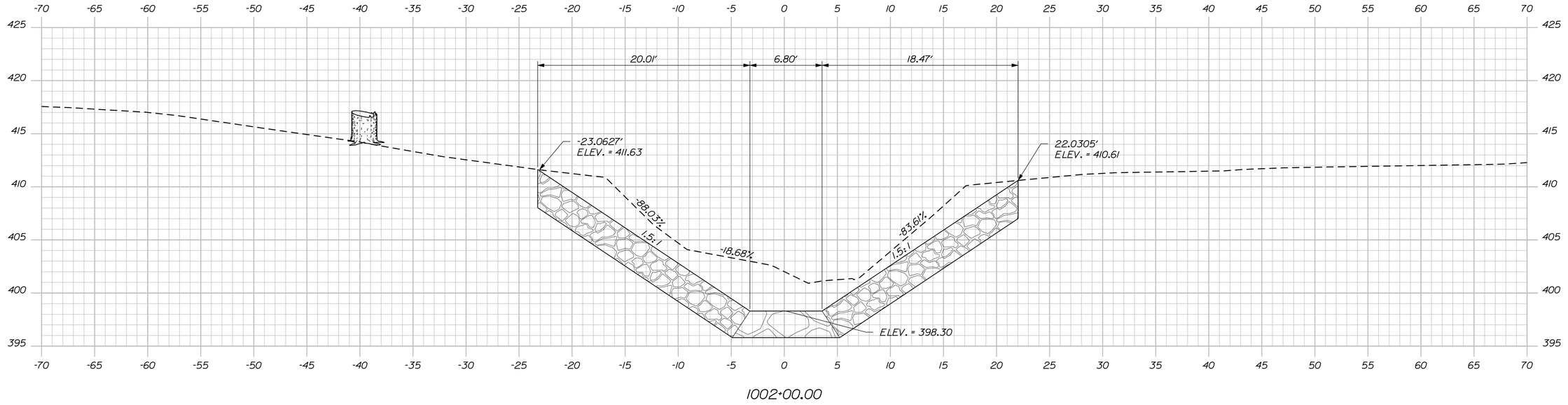
CROSS SECTIONS

SHEET NUMBER

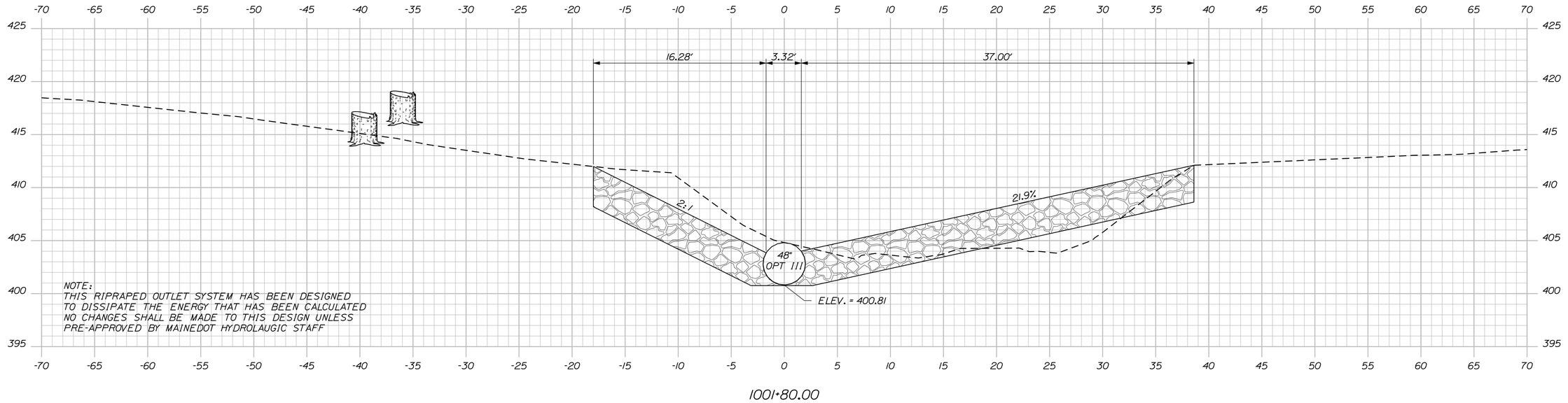
289

OF 329

Filename: ...\289_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015



1002+00.00



NOTE:
THIS RIPRAPED OUTLET SYSTEM HAS BEEN DESIGNED TO DISSIPATE THE ENERGY THAT HAS BEEN CALCULATED NO CHANGES SHALL BE MADE TO THIS DESIGN UNLESS PRE-APPROVED BY MAINEDOT HYDROLAUGIC STAFF

1001+80.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

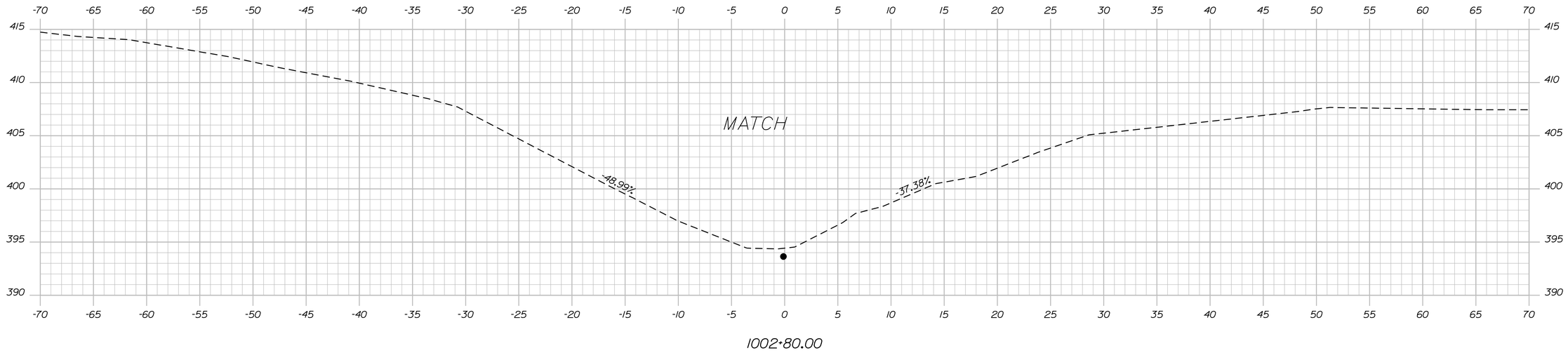
CROSS SECTIONS

SHEET NUMBER
290
OF 329

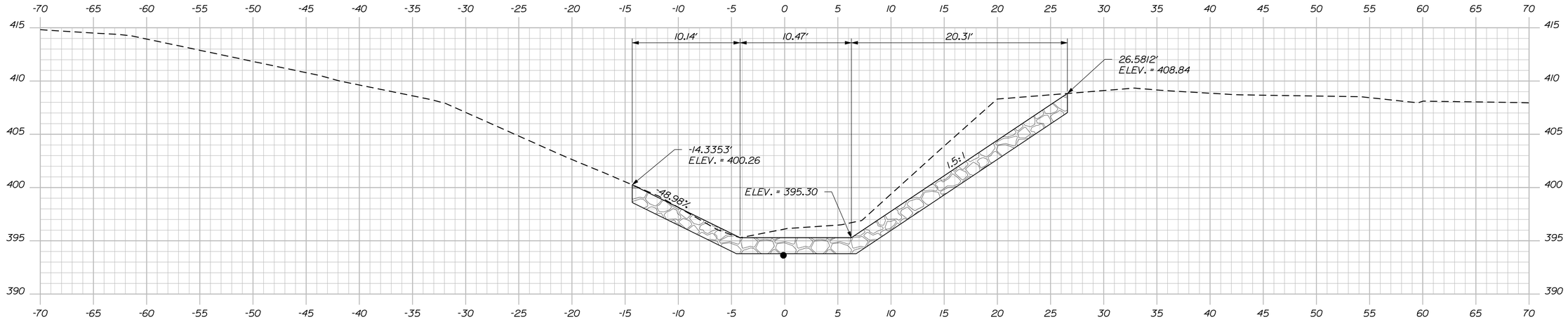
Sta. 1001+80.00 to Sta. 1002+00.00

Filename: ...\290_Xsect_Sideroad and Drainage Sections\FINAL\HWY\80_025.dgn Date:3/4/2015 Username: natasha.m.collins

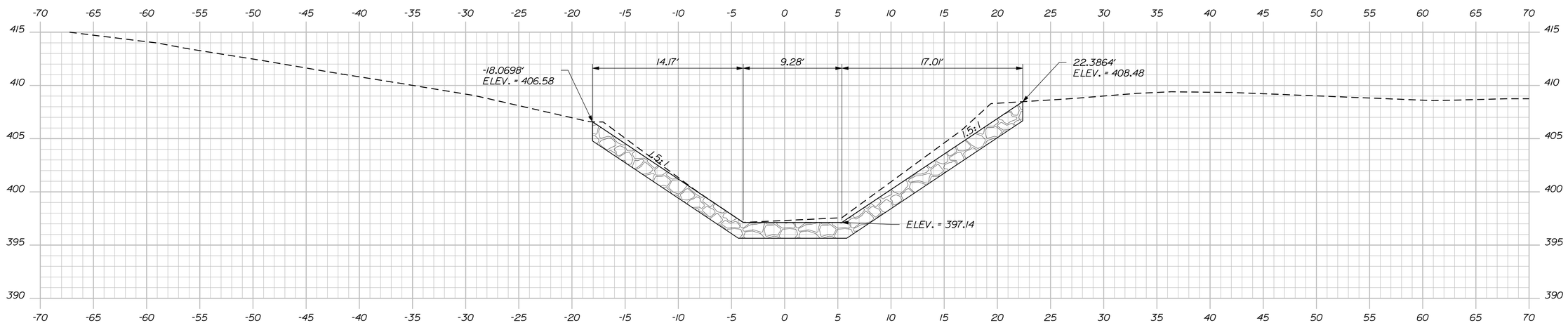
Filename: ...\291_Xsect_Sideroad and Drainage Sections.dgn Username: natasha.m.collins Date:3/4/2015



1002+80.00



1002+70.00



1002+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$detailer1$	$proj date1$
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$detailer3$	$proj date3$
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	$fieldchange$	$fieldchange$

	SIGNATURE	P.E. NUMBER	DATE
DESIGNER1	$detailer1$	$revdate1$	$revdate1$
DESIGNER2	$detailer2$	$revdate2$	$revdate2$
DESIGNER3	$detailer3$	$revdate3$	$revdate3$
		$revdate4$	$revdate4$
		$revdate5$	$fieldate$

CARIBOU
STATE ROUTE 161

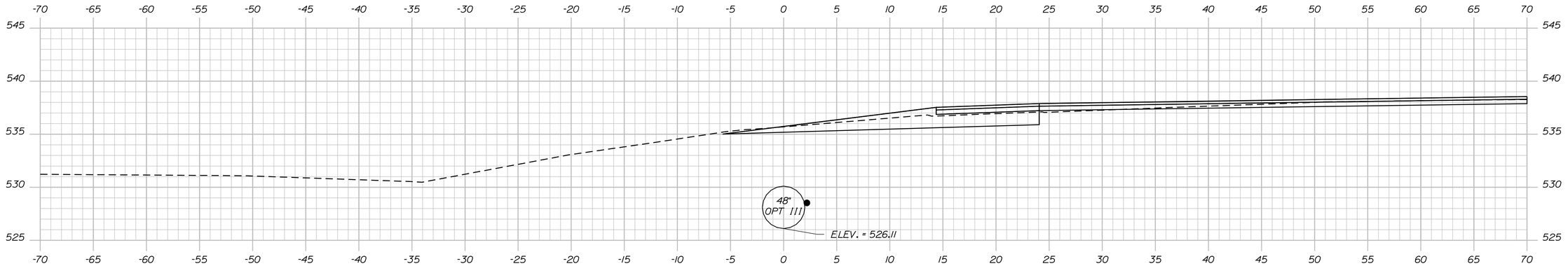
CROSS SECTIONS

SHEET NUMBER

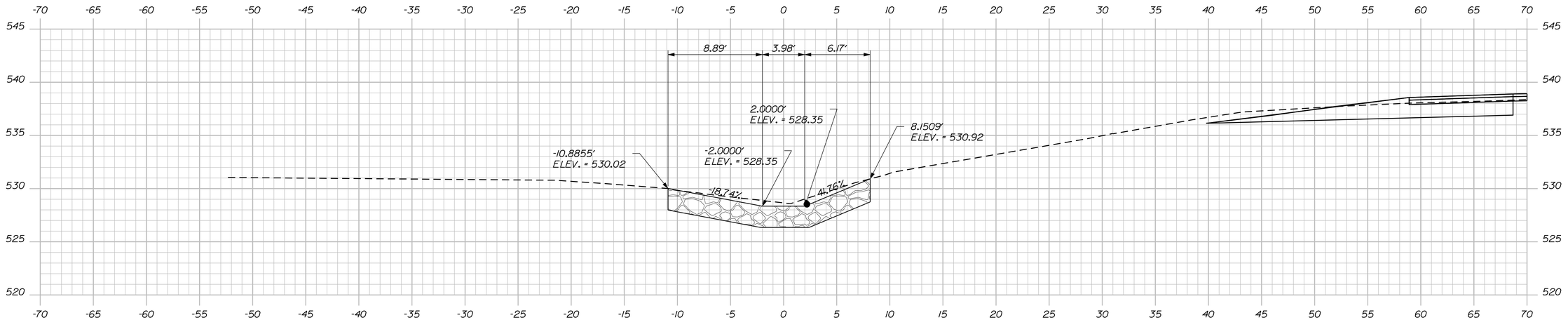
291

OF 329

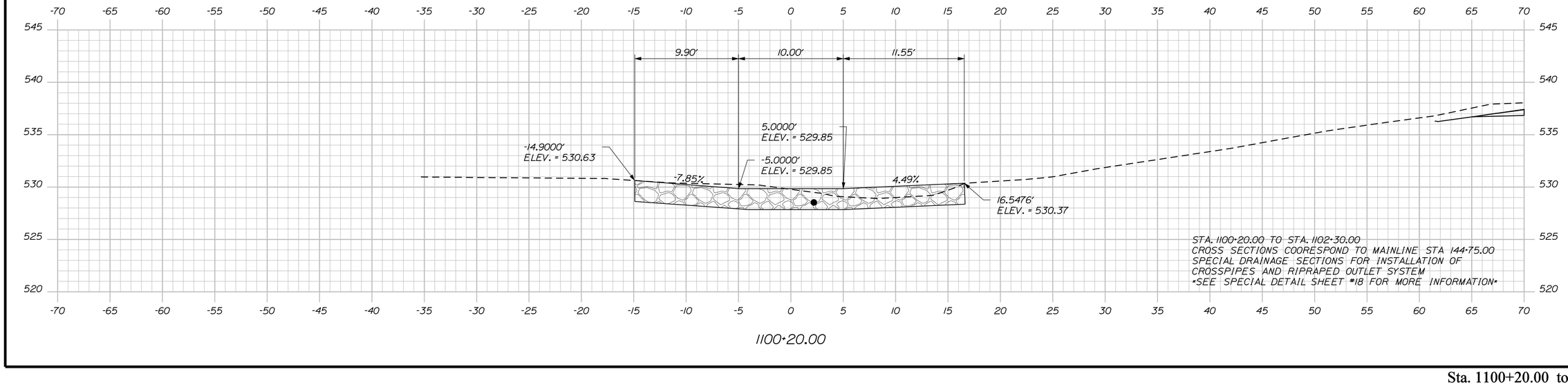
Sta. 1002+50.00 to Sta. 1002+80.00



1100+50.00



1100+30.00



STA. 1100+20.00 TO STA. 1102+30.00
CROSS SECTIONS COORESPOND TO MAINLINE STA 144+75.00
SPECIAL DRAINAGE SECTIONS FOR INSTALLATION OF
CROSSPIPES AND RIPRAPED OUTLET SYSTEM
SEE SPECIAL DETAIL SHEET #18 FOR MORE INFORMATION

1100+20.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$proj.date1$
CHECKED-REVIEWED	_____	_____
DESIGN2-DETAILED2	$designer2$	$proj.date2$
DESIGN3-DETAILED3	$designer3$	$proj.date3$
REVISIONS 1	_____	_____
REVISIONS 2	_____	_____
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fielddate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

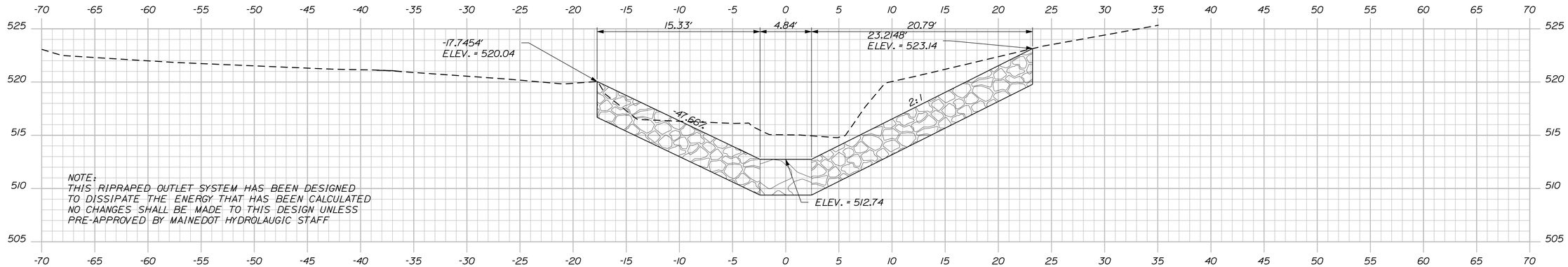
SHEET NUMBER

292

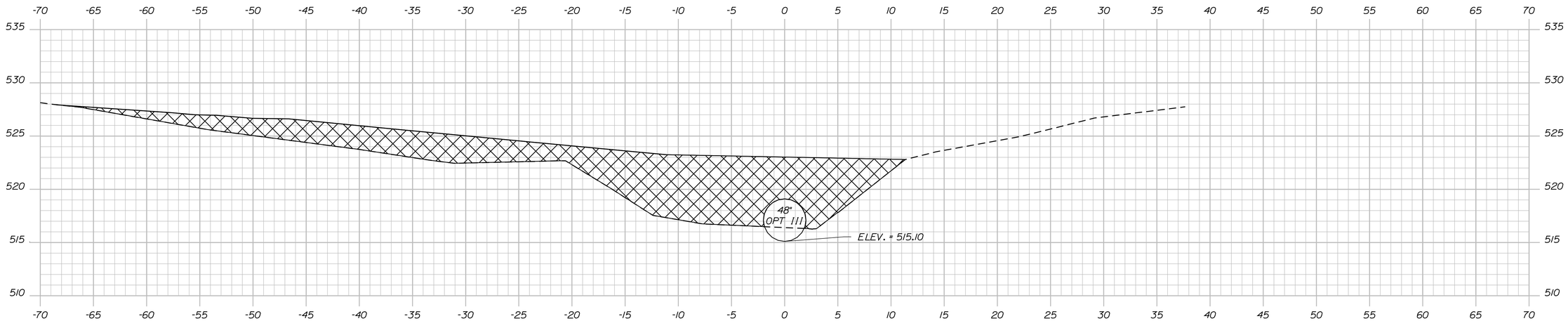
OF 329

Filename: ...\292_Xsect_Sideroad and Drainage Sections.dgn Username: natasha.m.collins Date:3/4/2015

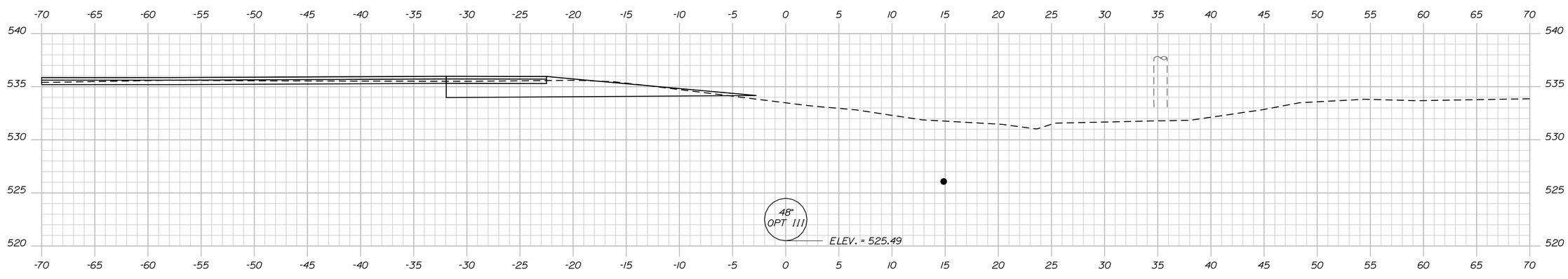
Sta. 1100+20.00 to Sta. 1100+50.00



1101+70.00



1101+50.00



1101+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$	------	$revdate3$
REVISIONS 4	$revision4$	------	$revdate4$
FIELD CHANGES	$fieldchange$	------	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

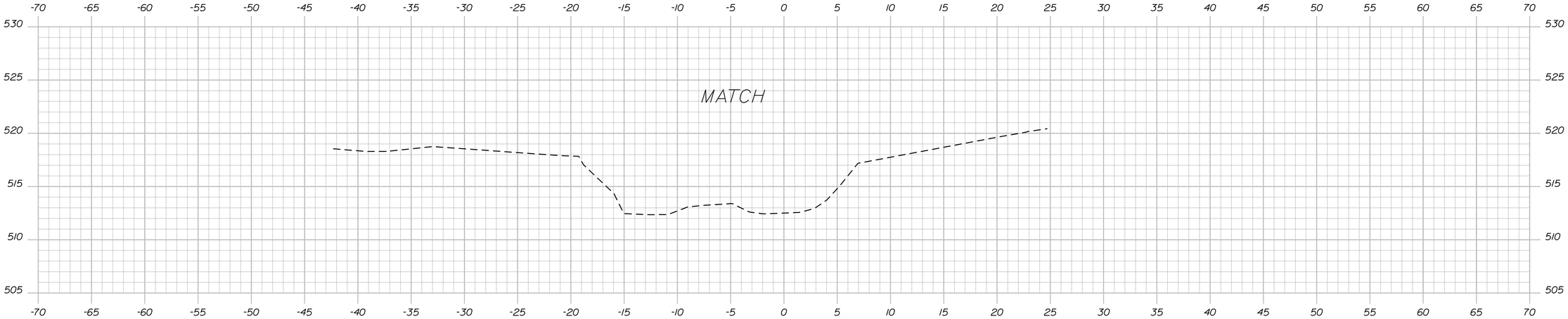
SHEET NUMBER

293

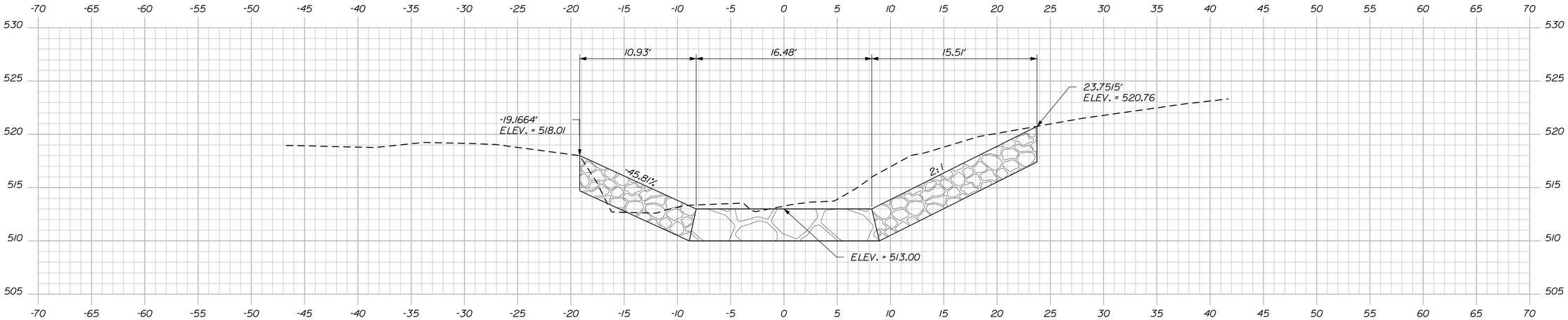
OF 329

Sta. 1101+00.00 to Sta. 1101+70.00

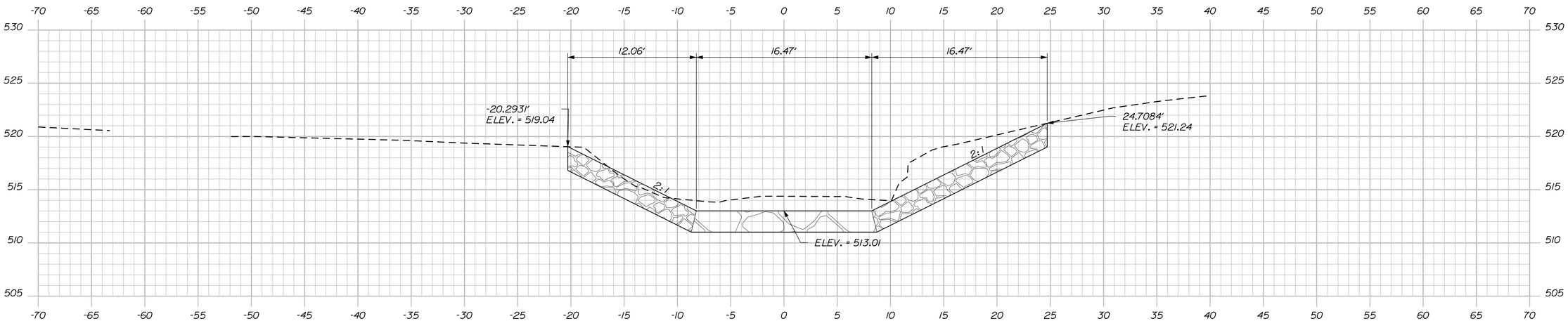
Filename: ...\293_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015



1102+30.00



1102+20.00



1102+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

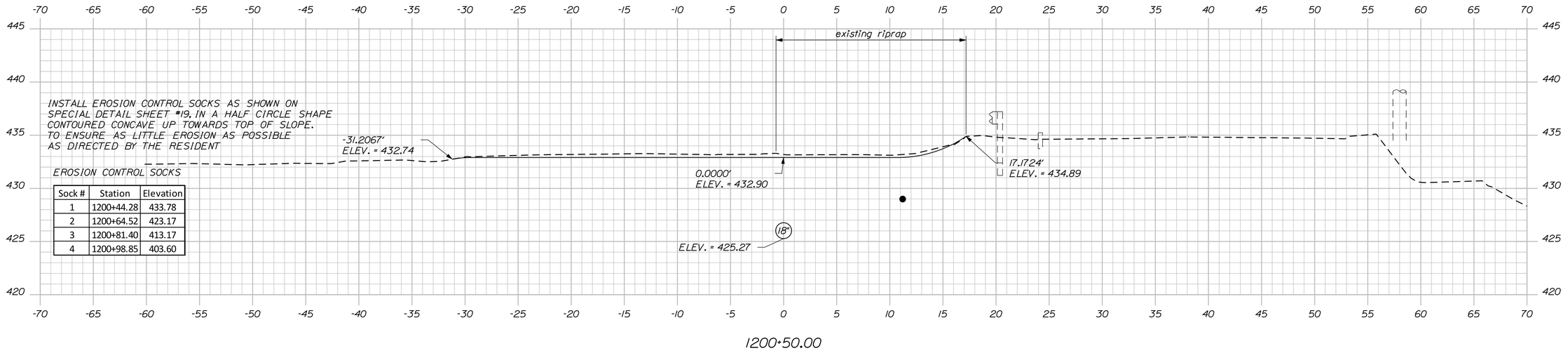
SHEET NUMBER

294

OF 329

Sta. 1102+00.00 to Sta. 1102+30.00

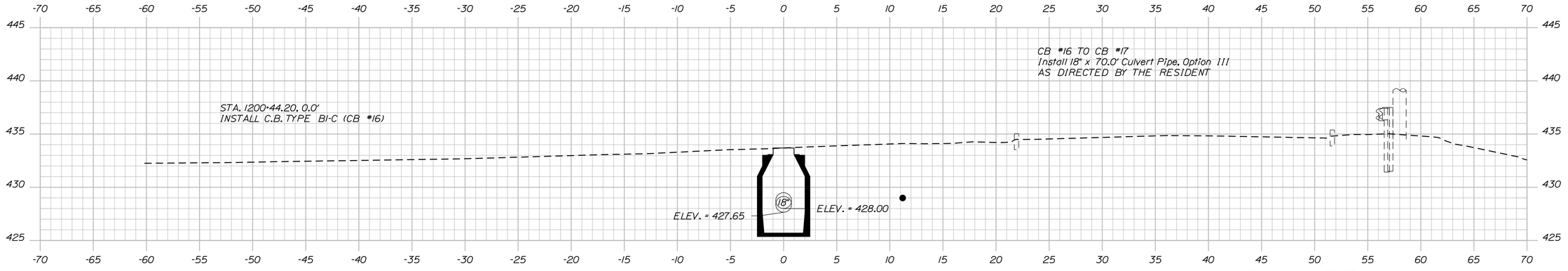
Filename: ...\294_Xsect_Sideroad and Drainage Section FINAL.dgn Date:3/4/2015
Division: HIGHWAY Username: natasha.m.collins



EROSION CONTROL SOCKS

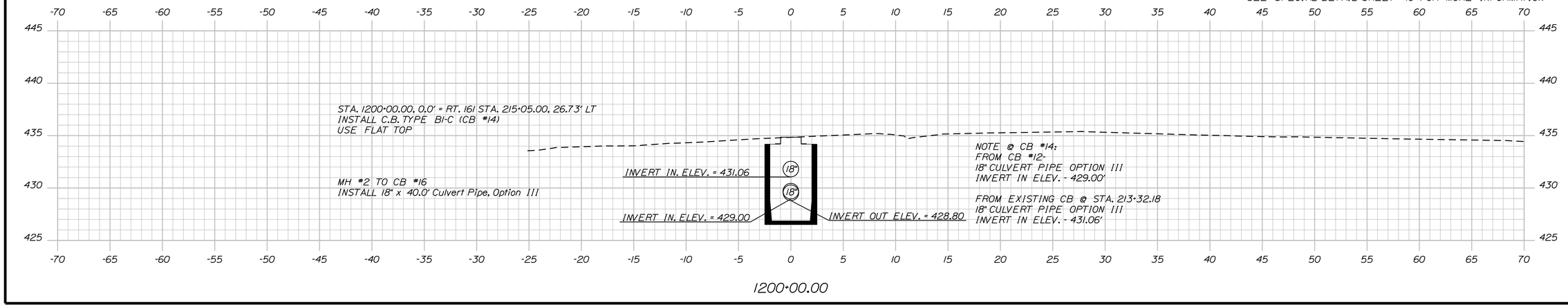
Sock #	Station	Elevation
1	1200+44.28	433.78
2	1200+64.52	423.17
3	1200+81.40	413.17
4	1200+98.85	403.60

1200+50.00



1200+40.00

STA. 1200+00.00 TO STA. 1202+00.00
CROSS SECTIONS COORESPOND TO MAINLINE STA 215+65.00, RT
SPECIAL DRAINAGE SECTIONS FOR INSTALLATION OF CROSSPIPES AND RIPRAPED OUTLET SYSTEM
SEE SPECIAL DETAIL SHEET #19 FOR MORE INFORMATION



1200+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER $PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

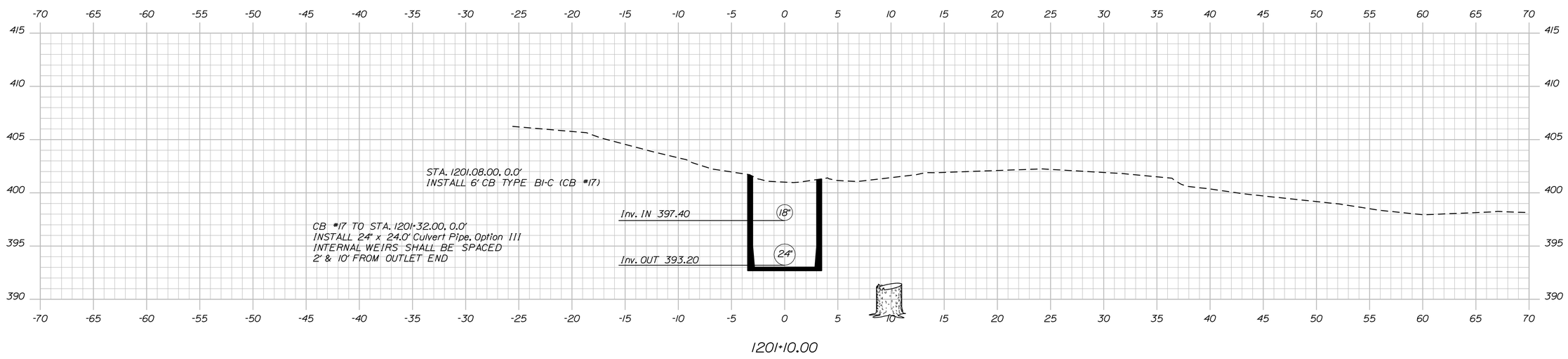
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

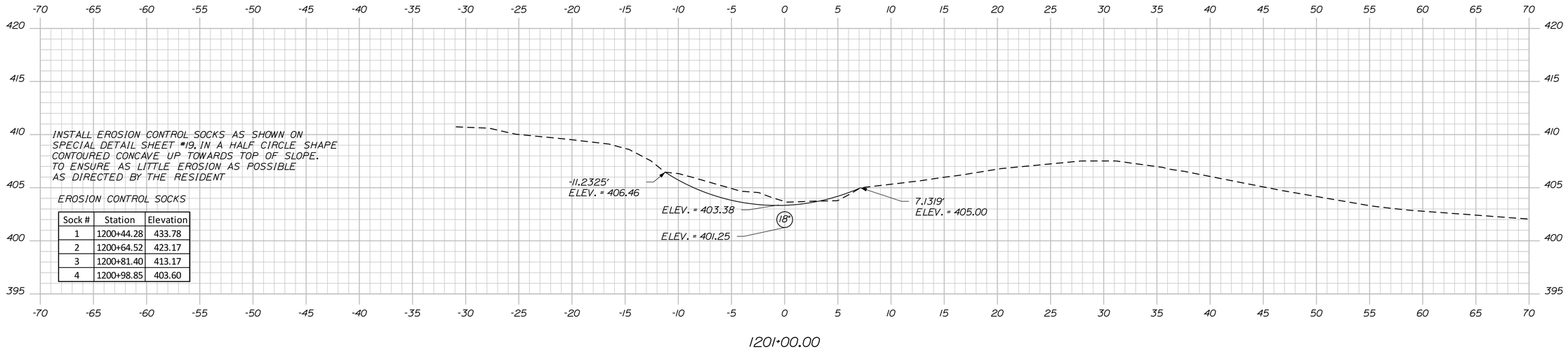
SHEET NUMBER
295
OF 329

Sta. 1200+00.00 to Sta. 1200+50.00

Filename: ...\295_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Division: HIGHWAY Username: natasha.m.collins

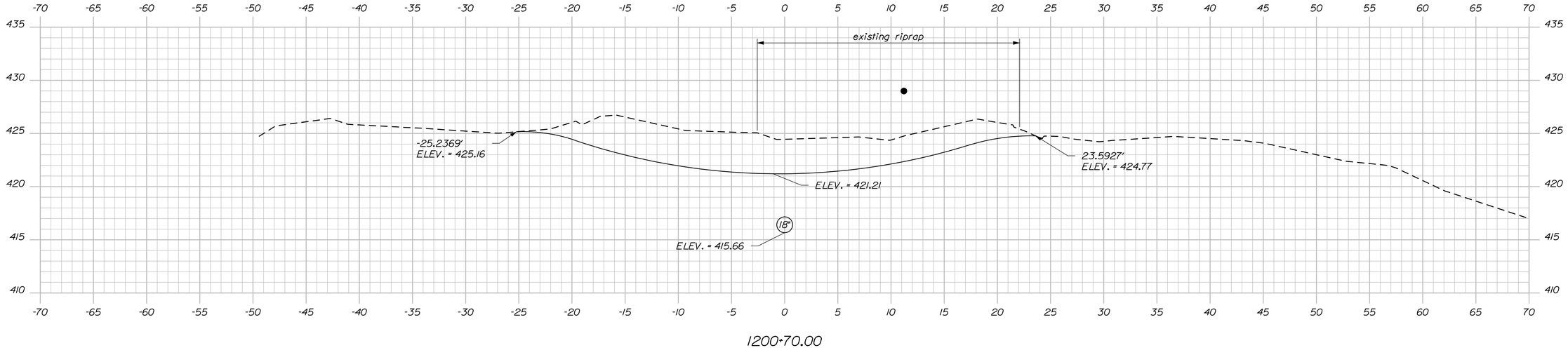


1201+10.00



Sock #	Station	Elevation
1	1200+44.28	433.78
2	1200+64.52	423.17
3	1200+81.40	413.17
4	1200+98.85	403.60

1201+00.00



1200+70.00

Sta. 1200+70.00 to Sta. 1201+10.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$proj date1$
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	$designer2$	$detailer2$	$proj date2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$proj date3$
REVISIONS 1	_____	_____	$revdate1$
REVISIONS 2	$revision2$	$detailer2$	$revdate2$
REVISIONS 3	$revision3$	$detailer3$	$revdate3$
REVISIONS 4	$revision4$	$detailer4$	$revdate4$
FIELD CHANGES	$fieldchange$	$detailer5$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

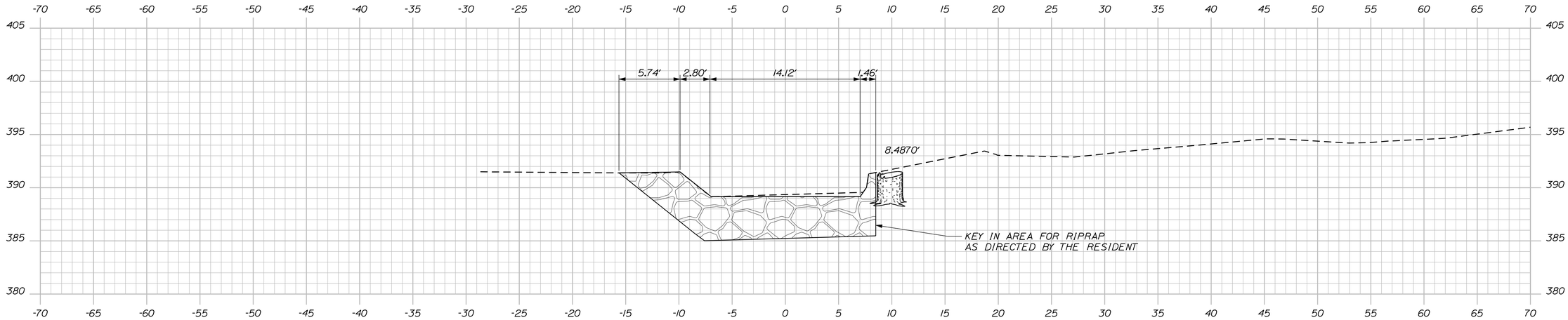
CROSS SECTIONS

SHEET NUMBER

296

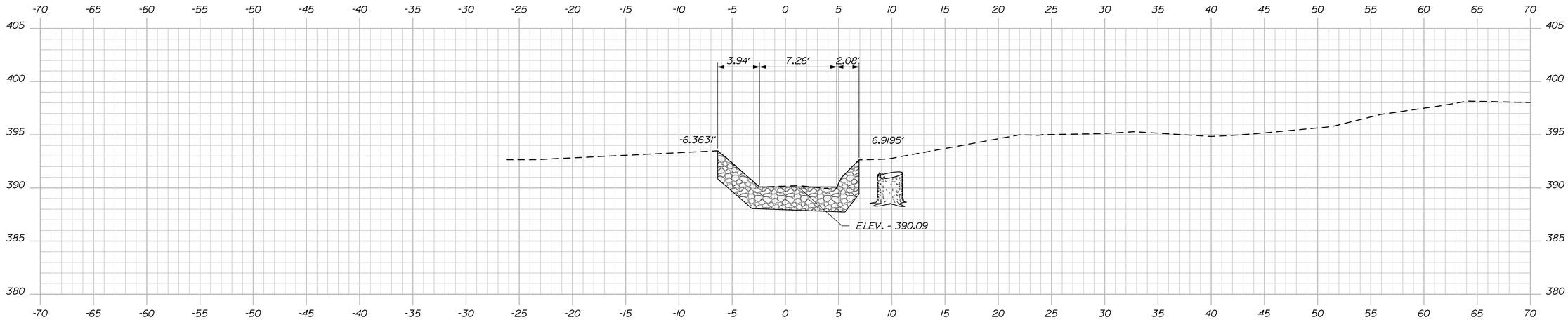
OF 329

Filename: ...\296_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015 username: natasha.m.collins

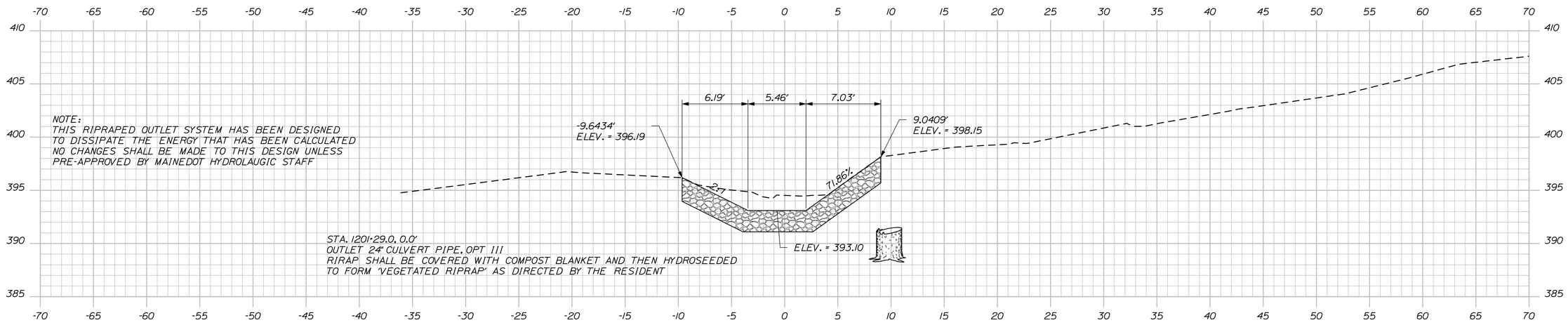


TAKE SPECIAL CARE WITH RIPRAP AS TO
MATCH EXISTING SLOPES AND CONTOURS
AS MUCH AS POSSIBLE
AS DIRECTED BY THE RESIDENT

1201+60.00



1201+50.00



NOTE:
THIS RIPRAPED OUTLET SYSTEM HAS BEEN DESIGNED
TO DISSIPATE THE ENERGY THAT HAS BEEN CALCULATED
NO CHANGES SHALL BE MADE TO THIS DESIGN UNLESS
PRE-APPROVED BY MAINEDOT HYDROLAUGIC STAFF

STA. 1201+29.0, 0.0'
OUTLET 24" CULVERT PIPE, OPT III
RIRAP SHALL BE COVERED WITH COMPOST BLANKET AND THEN HYDROSEEDED
TO FORM 'VEGETATED RIPRAP' AS DIRECTED BY THE RESIDENT

1201+30.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$projdate1$
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	$designer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$projdate3$
REVISIONS 1	------	$revdate1$
REVISIONS 2	------	$revdate2$
REVISIONS 3	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldate$

SIGNATURE

P.E. NUMBER

DATE

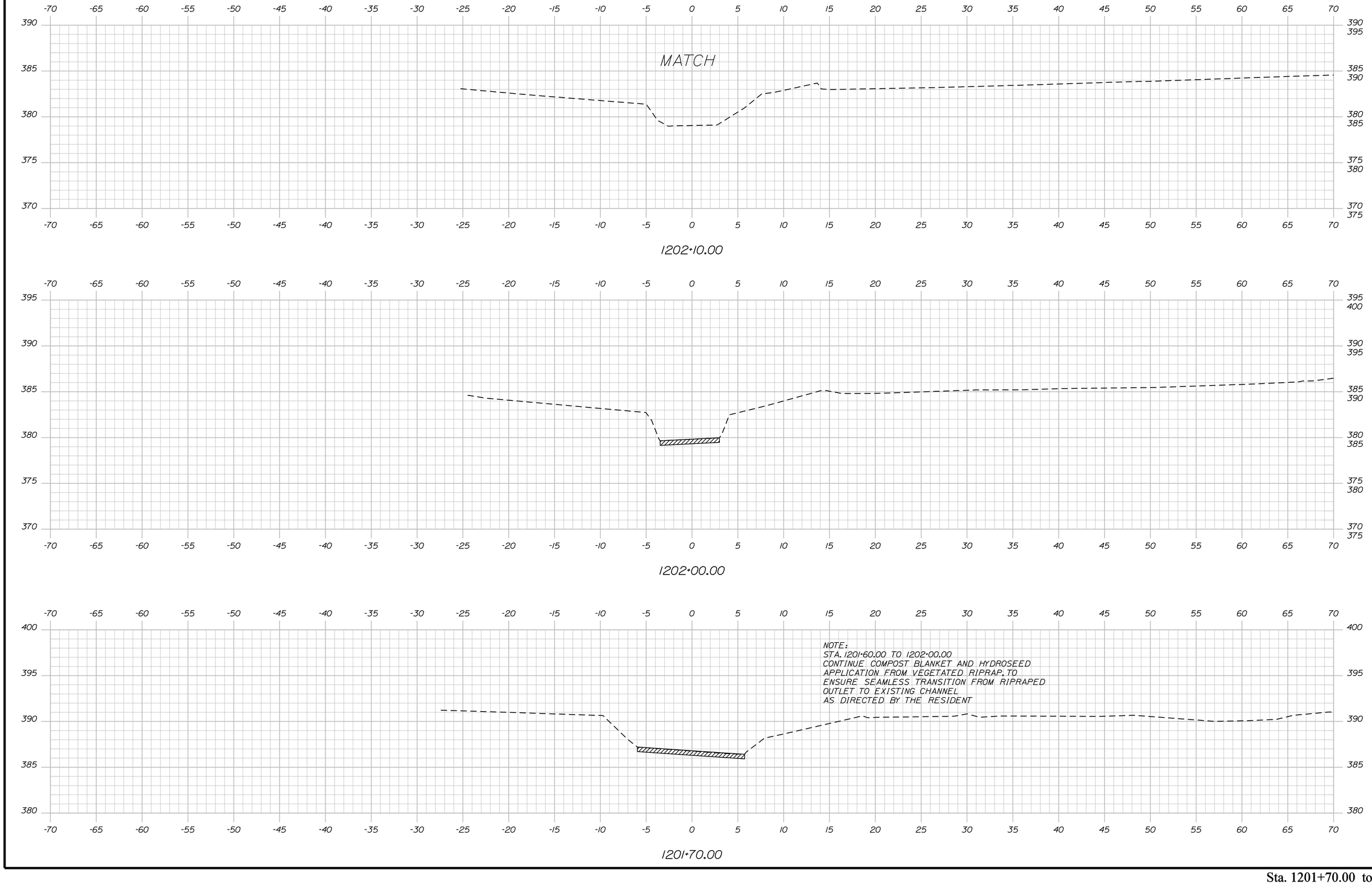
CARIBOU
STATE ROUTE 161

CROSS SECTIONS

SHEET NUMBER
297
OF 329

Sta. 1201+30.00 to Sta. 1201+60.00

Filename: ...\297_Xsect_Sideroad and Drainage Section\HIGHWAY 30_032.dgn Date:3/4/2015
Division: NAL Username: natasha.m.collins



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1278(000)X

WIN
PIN 012780.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------		$revdate1$
REVISIONS 2	------		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

CARIBOU
STATE ROUTE 161

CROSS SECTIONS

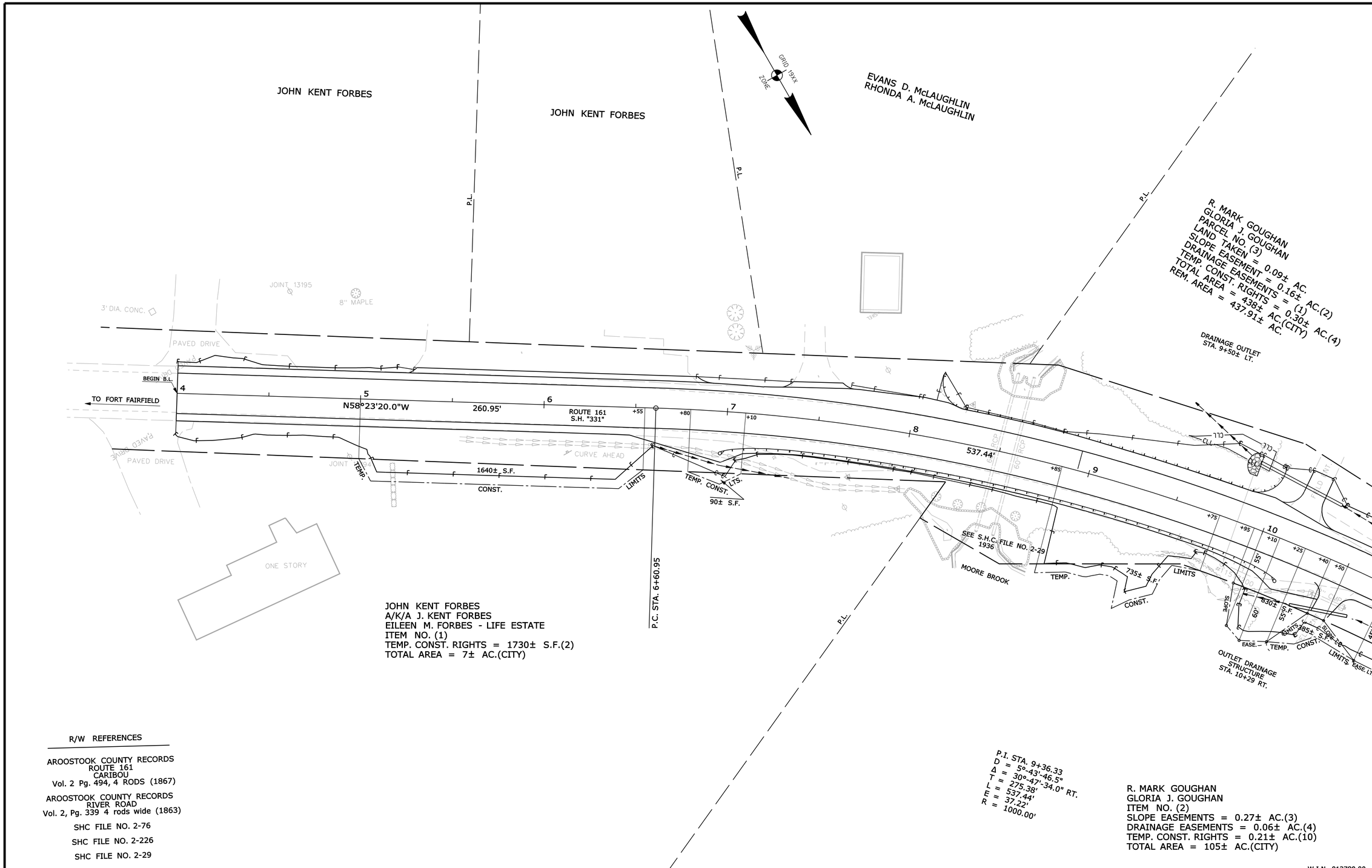
SHEET NUMBER

298

OF 329

Sta. 1201+70.00 to Sta. 1202+10.00

Filename: ...\298_Xsect_Sideroad and Drainage Sections.dgn Date:3/4/2015
Version: FINAL HWY 70_033.dgn Username: natasha.m.collins



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

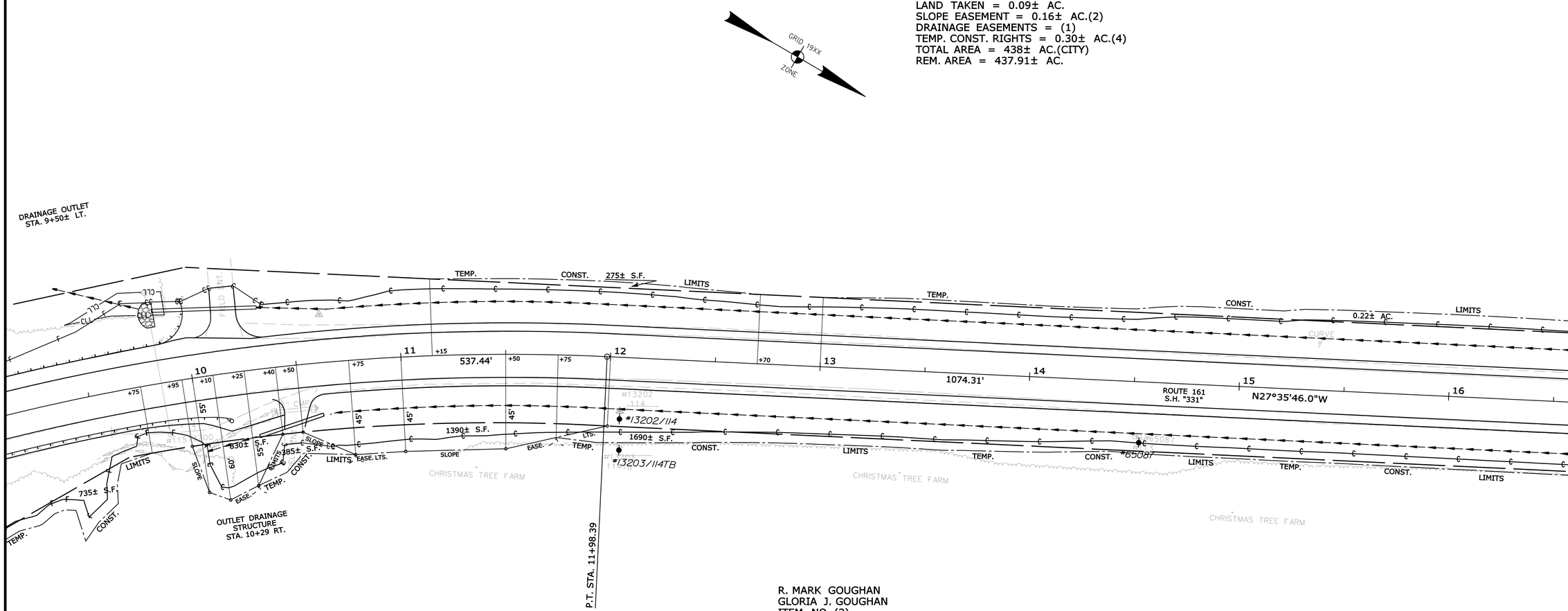
STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 1 OF 31

SHEET NUMBER
299
OF 329

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

R. MARK GOUGHAN
GLORIA J. GOUGHAN
PARCEL NO. (3)
LAND TAKEN = 0.09± AC.
SLOPE EASEMENT = 0.16± AC.(2)
DRAINAGE EASEMENTS = (1)
TEMP. CONST. RIGHTS = 0.30± AC.(4)
TOTAL AREA = 438± AC.(CITY)
REM. AREA = 437.91± AC.



R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (2)
SLOPE EASEMENTS = 0.27± AC.(3)
DRAINAGE EASEMENTS = 0.06± AC.(4)
TEMP. CONST. RIGHTS = 0.21± AC.(10)
TOTAL AREA = 105± AC.(CITY)

P.I. STA. 9+36.33
D = 5°-43'-46.5"
Δ = 30°-47'-34.0" RT.
T = 275.38'
L = 537.44'
E = 37.22'
R = 1000.00'

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 2 OF 31

SHEET NUMBER
300
OF 329

Filename: ...\00\row\msta\002_RWPLAN2.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Username: natasha.m.collins Date:3/4/2015

Division: HIGHWAY

Filename: ...\00\row\msta\003_RWPLAN3.dgn

R. MARK GOUGHAN
GLORIA J. GOUGHAN
PARCEL NO. (3)
LAND TAKEN = 0.09± AC.
SLOPE EASEMENT = 0.16± AC.(2)
DRAINAGE EASEMENTS = (1)
TEMP. CONST. RIGHTS = 0.30± AC.(4)
TOTAL AREA = 438± AC.(CITY)
REM. AREA = 437.91± AC.

GRID 19XX ZONE

GREENHOUSES

SUGAR CAMP

LAWN

TEMP. CONST. LIMITS TEMP. CONST. LIMITS

GRAVEL YD.

0.22± AC.

17 18 19 20 21 22 23

N27°35'46.0"W

+29± +80 +67 +87± +89± +05 1074.31' ROUTE 161 S.H. "331" 269.25' +85

#65088 CURVE #112S #65088

TEMP. 1690± S.F. CONST. 260± S.F. LIMITS

#13206/111 TEMP. 325± S.F. 240± S.F. LIMITS CONST.

HIDDEN DRIVE

#13207/107 #884 #13207 107

TEMP. CONST. LIMITS 1990± S.F.

CHRISTMAS TREE FARM

GRAVEL

LAWN

TREE FARM

R. MARK GOUGHAN
GLORIA J. GOUGHAN

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (7)
SLOPE EASEMENT = 255± S.F.(1)
TEMP. CONST. RIGHTS = 1990± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

P.C. STA. 22+72.70

ITEM NO. (6)
OMITTED

P.I. STA. 24+07.69
D = 3°-49'-11.0"
Δ = 10°-17'-04.9" RT.
T = 134.99'
L = 269.25'
E = 6.06'
R = 1500.00'

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (2)
SLOPE EASEMENTS = 0.27± AC.(3)
DRAINAGE EASEMENTS = 0.06± AC.(4)
TEMP. CONST. RIGHTS = 0.21± AC.(10)
TOTAL AREA = 105± AC.(CITY)

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (4)
TEMP. CONST. RIGHTS = 575± S.F.(2)
TOTAL AREA = 1± AC.(CALC.)

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (5)
TEMP. CONST. RIGHTS = 245± S.F.(1)
TOTAL AREA = 1± AC.(CALC.)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- (WELL) WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF "MRoW" RIGHT-PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP or ●PP (IRON PIPE or PIN FOUND)
- ST. (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		
PROP. LINES		
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

CARIBOU
RIGHT OF WAY MAP

REVISIONS NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK NO.	GRANTOR	COUNTY RECORD INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1"= 25' | SHEET 3 OF 31

SHEET NUMBER
301
OF 329

Filename: ...\00\row\msta\004_RWPLAN4.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

GRID 19XX ZONE

R. MARK GOUGHAN
GLORIA J. GOUGHAN
PARCEL NO. (3)
LAND TAKEN = 0.09± AC.
SLOPE EASEMENT = 0.16± AC.(2)
DRAINAGE EASEMENTS = (1)
TEMP. CONST. RIGHTS = 0.30± AC.(4)
TOTAL AREA = 438± AC.(CITY)
REM. AREA = 437.91± AC.

BARN
CONC.
GOUGHANS BERRY FARM
GRAVEL
LAWN
#3176S
#3175
#3174S
#872
#1095
#872
WHITE
FIR TREES
CORN FIELD
SQUASHES
APPLE TREES
APPLE ORCHARD
16" SPRUCE
5" TWIN
18" PINE
20" PINE
5" BIRCH
#3089/109
#108
#107
#106
#105
#104
#103
#102
#101
#100
#99
#98
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#7
#6
#5
#4
#3
#2
#1

TEMP. CONST. LIMITS
SLOPE EASE. LTS.
1990± S.F.
255± S.F.
269.25'
CONST. 0.22± AC.
TOE OF SLOPE DITCH STA. 27+24 TO STA. 27+36 LT.
0.10± AC.
EASEMENT
LIMITS
ROUTE 161 S.H. "331"
1280.23
N17°18'41.1"W
0.22± AC.
450± S.F.
DRAINAGE
1615± S.F.
TOE OF SLOPE DITCH STA. 26+84 TO STA. 27+26 RT.
OUTLET DRAINAGE STRUCTURE STA. 26+20 TO STA. 26+90 RT.
P.T. STA. 25+41.95
P.L.

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (7)
SLOPE EASEMENT = 255± S.F.(1)
TEMP. CONST. RIGHTS = 1990± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

P.I. STA. 24+07.69
D = 3°-49'-11.0"
Δ = 10°-17'-04.9" RT.
T = 134.99'
L = 269.25'
E = 6.06'
R = 1500.00'
P.L.

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (2)
SLOPE EASEMENTS = 0.27± AC.(3)
DRAINAGE EASEMENTS = 0.06± AC.(4)
TEMP. CONST. RIGHTS = 0.21± AC.(10)
TOTAL AREA = 105± AC.(CITY)

W.I.N. 012780.00

SYMBOLS
- ○WELL
- ● I.P. or ■ P.P. (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- (ROW MONUMENT)
- ⚓BM (TRAVERSE POINT)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE P.L.
- LIMITS of "ROW" RIGHT-of-WAY (LOW.P.)
- EXISTING RIGHT-OF-WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK NO.	GRANTOR	PAGE	COUNTY RECORD INSTRUMENT	DATE	BOOK	PAGE

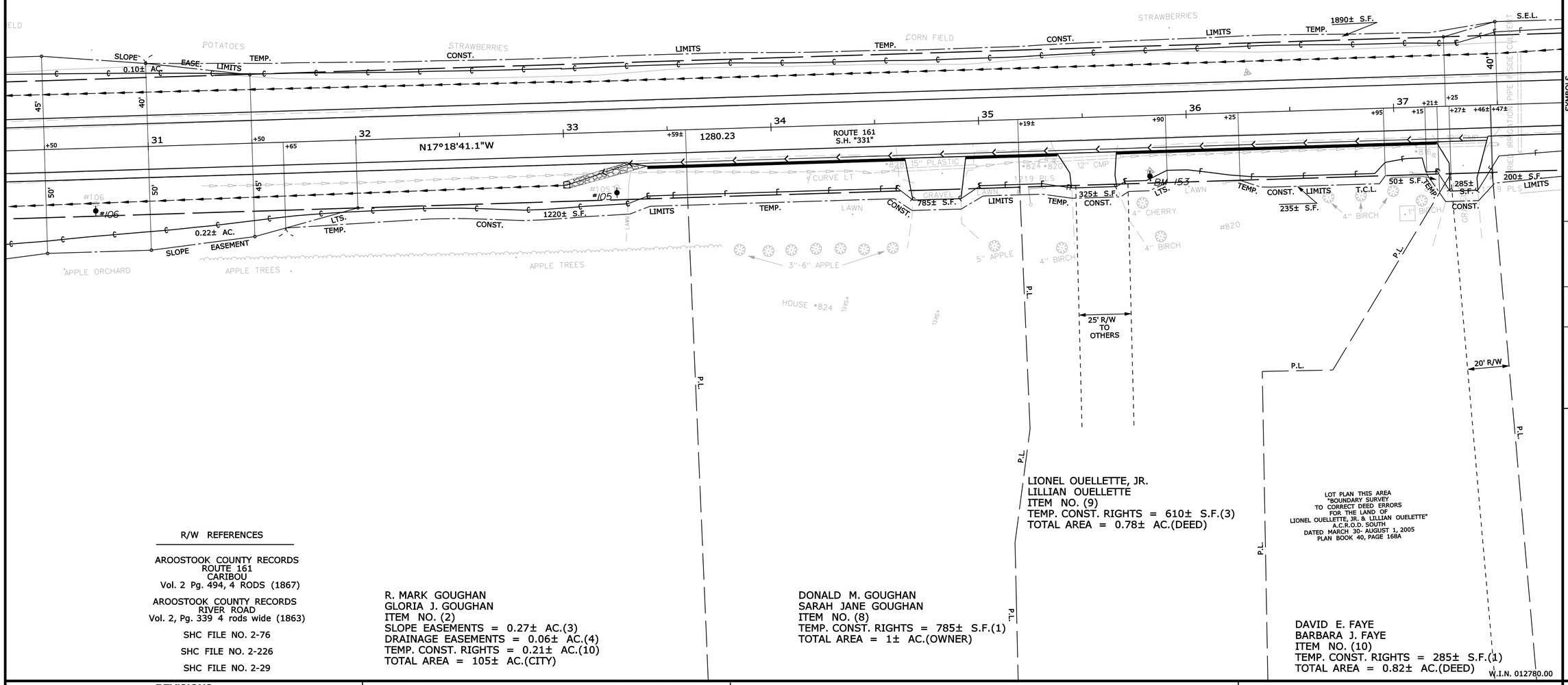
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 2-547
SCALE 1" = 25'	SHEET 4 OF 31	

SHEET NUMBER
302
OF 329

Filename: ...\00\row\rmsto\005_RWPLAN5.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



SYMBOLS

- ○ (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE P.L.
- LIMITS OF R/W RIGHT PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- ● I.P. or ■ P.P. (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		
PROP. LINES		
AREAS		

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

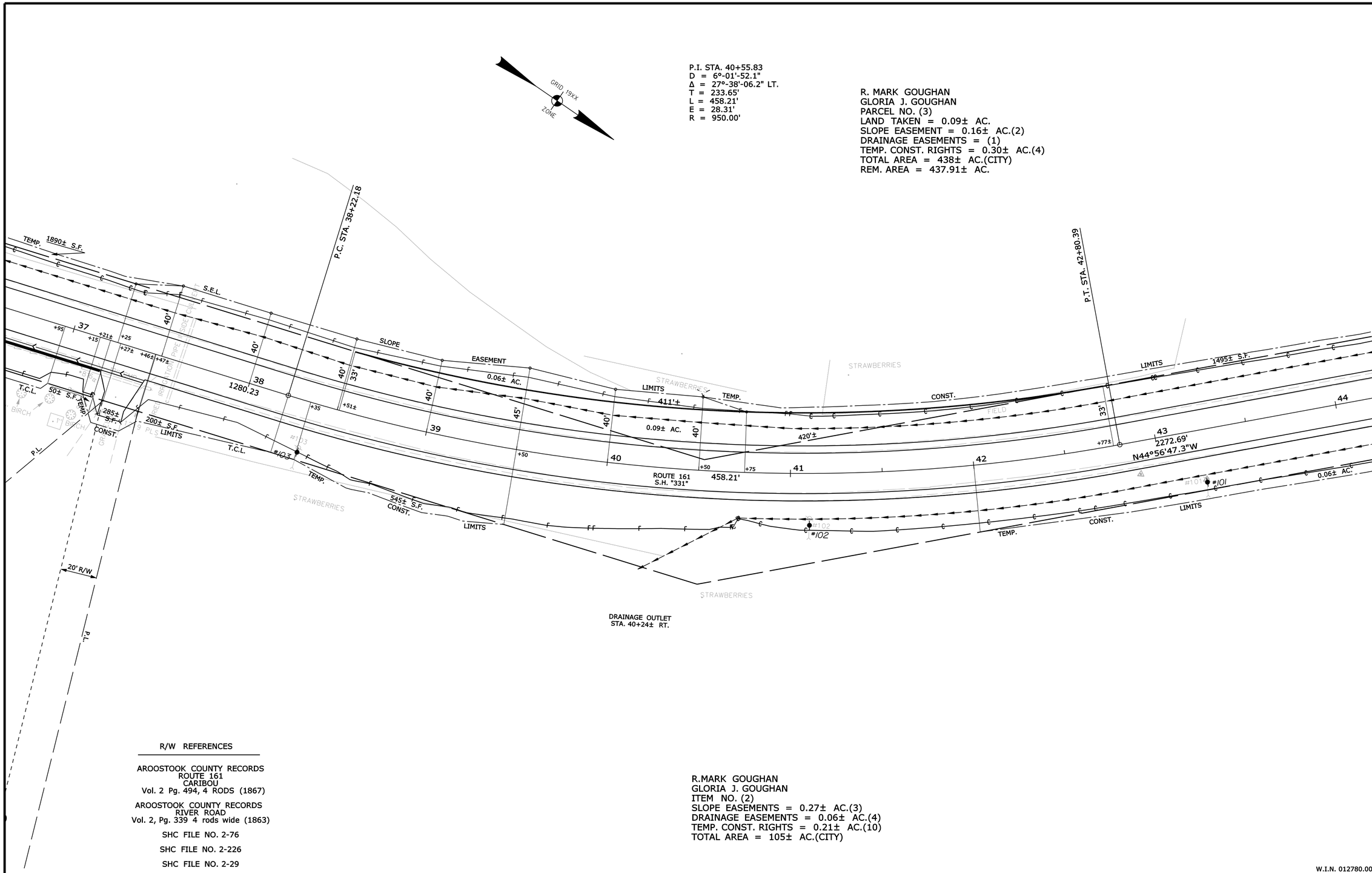
PLAN NO.	FILED IN PLAN BOOK	PAGE	COUNTY RECORD	INSTRUMENT	DATE	BOOK	PAGE
	GRANTOR						

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 2-547
SCALE 1" = 25'	SHEET 5 OF 31	

SHEET NUMBER
303
OF 329



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

R.MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (2)
SLOPE EASEMENTS = 0.27± AC.(3)
DRAINAGE EASEMENTS = 0.06± AC.(4)
TEMP. CONST. RIGHTS = 0.21± AC.(10)
TOTAL AREA = 105± AC.(CITY)

W.I.N. 012780.00

SYMBOLS

- IP or IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- B.M. (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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

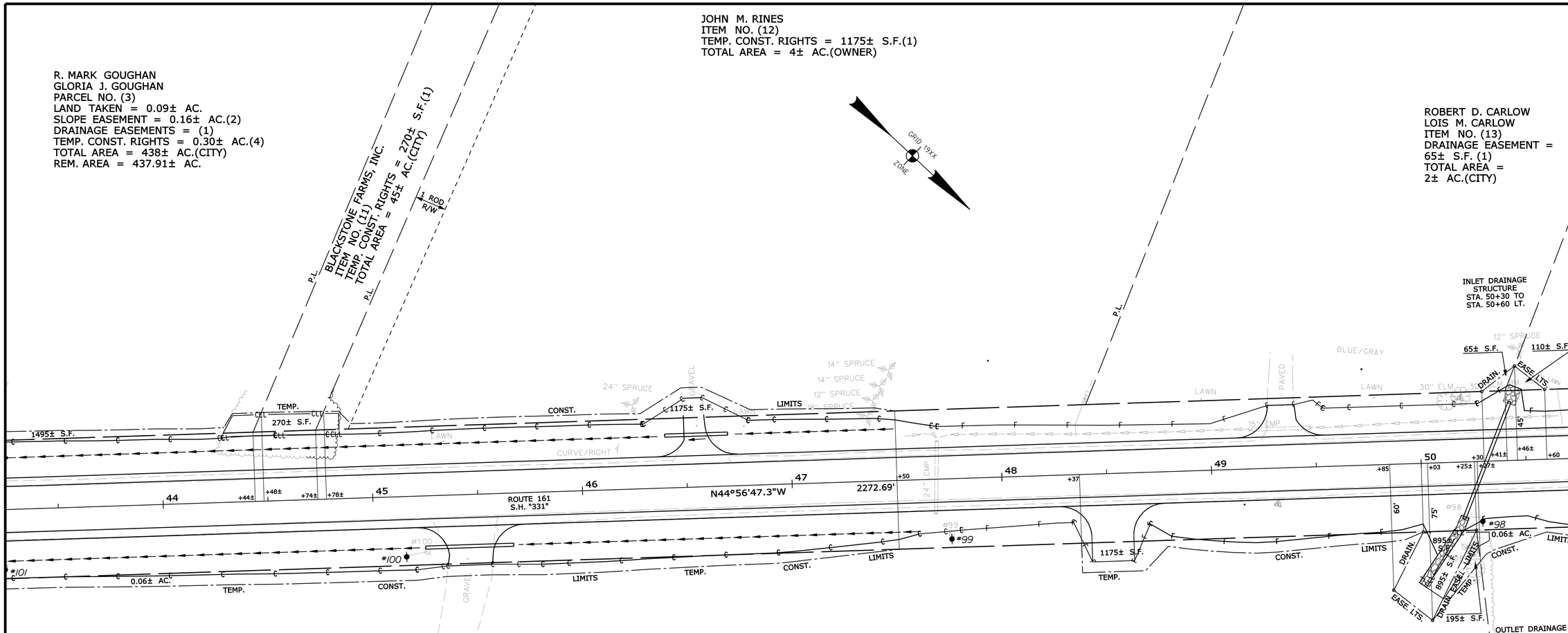
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 6 OF 31

SHEET NUMBER
304
OF 329

Filename: ...\00\row\msta\006_RWPLAN6.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

R. MARK GOUGHAN
GLORIA J. GOUGHAN
ITEM NO. (2)
SLOPE EASEMENTS = 0.27± AC.(3)
DRAINAGE EASEMENT = 0.06± AC.(4)
TEMP. CONST. RIGHTS = 0.21± AC.(10)
TOTAL AREA = 105± AC.(CITY)

W.I.N. 012780.00

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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

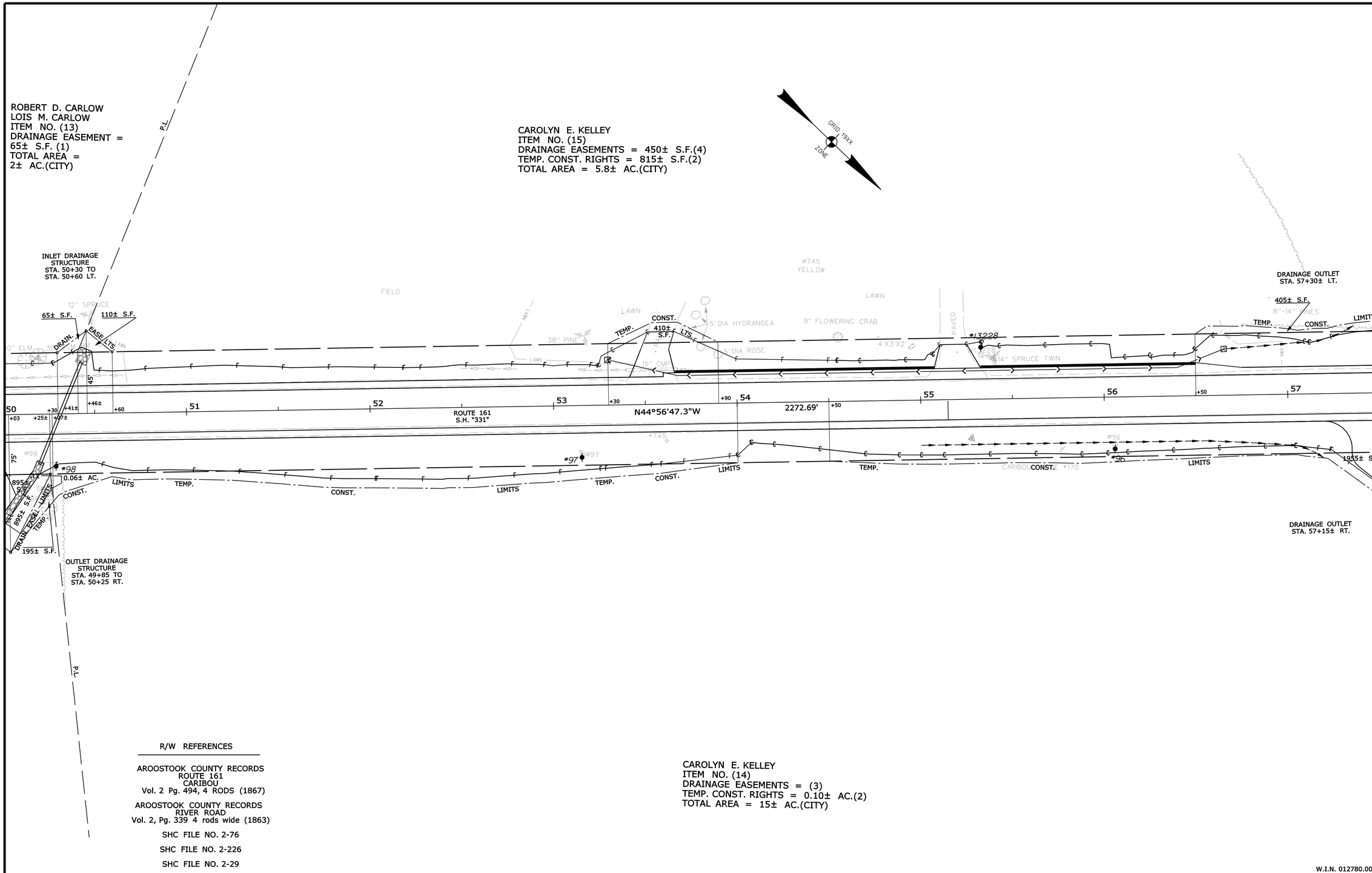
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 7 OF 31

SHEET NUMBER
305
OF 329

Filename: ...\00\row\msta\007_RWPLAN7.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

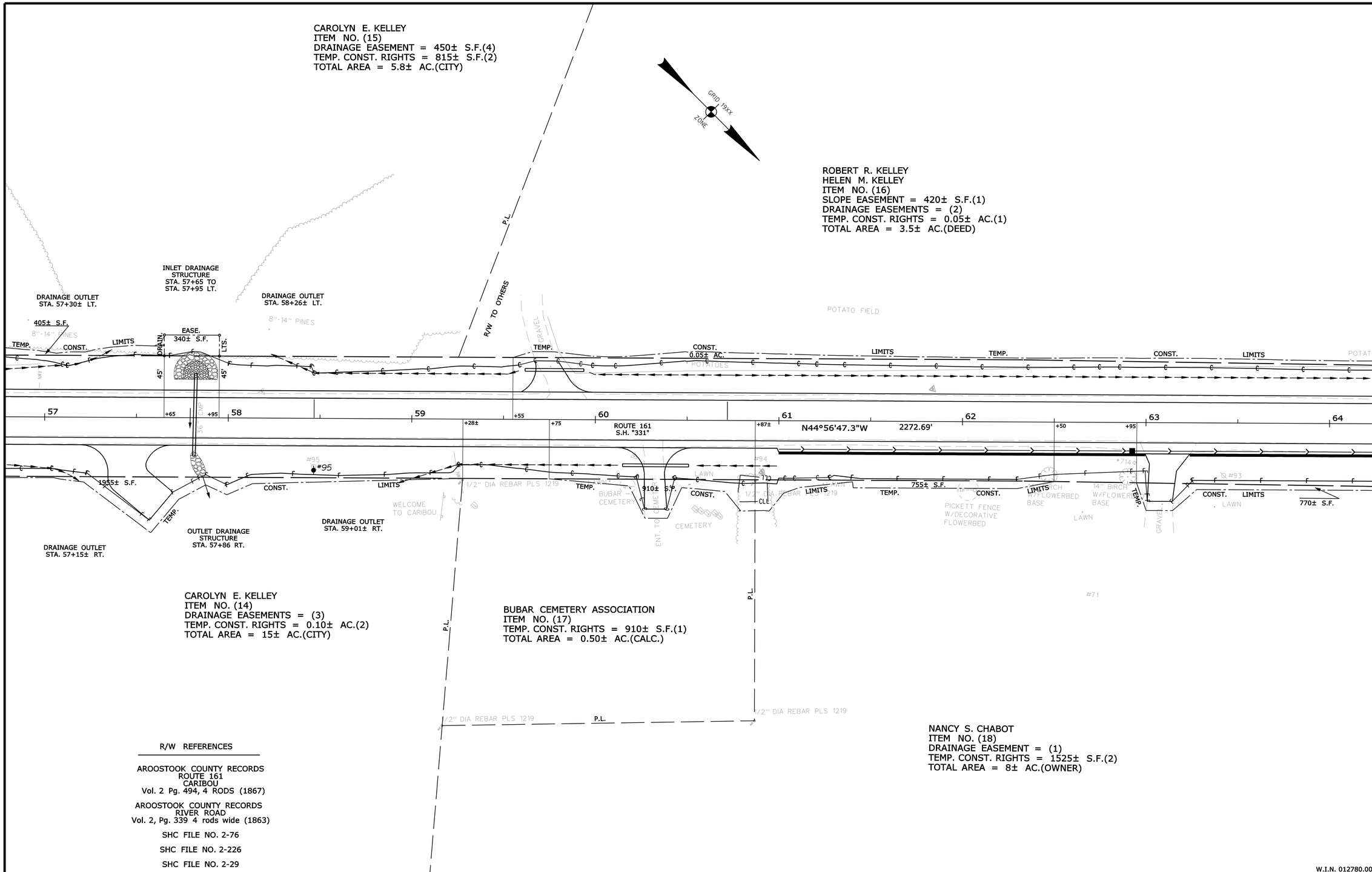
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 8 OF 31

SHEET NUMBER
306
OF 329

Filename: ...\00\row\msta\008_RWPLAN8.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

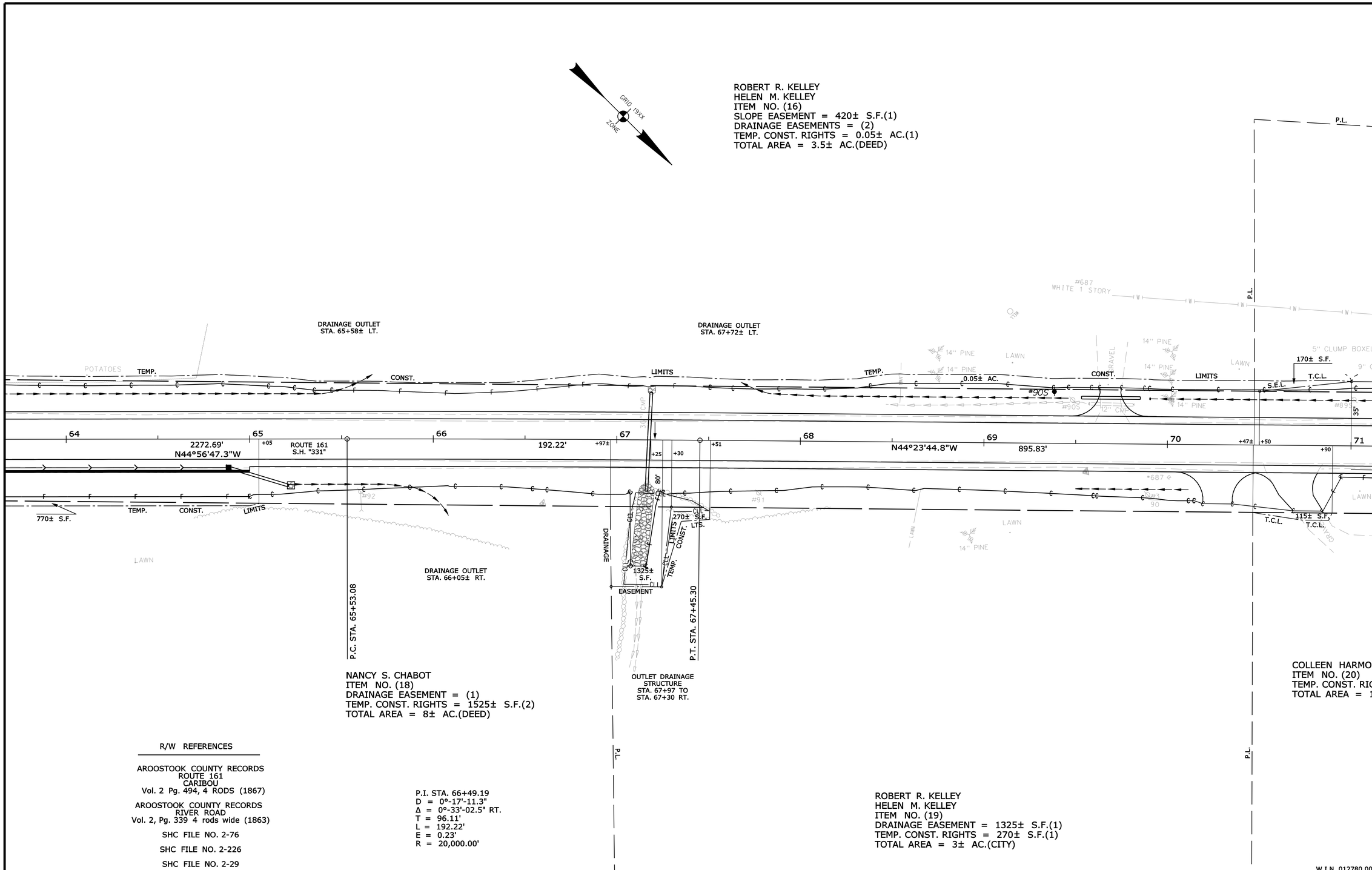
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 9 OF 31

SHEET NUMBER
307
OF 329

Filename: ...\00\row\msta\009_RWPLAN9.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

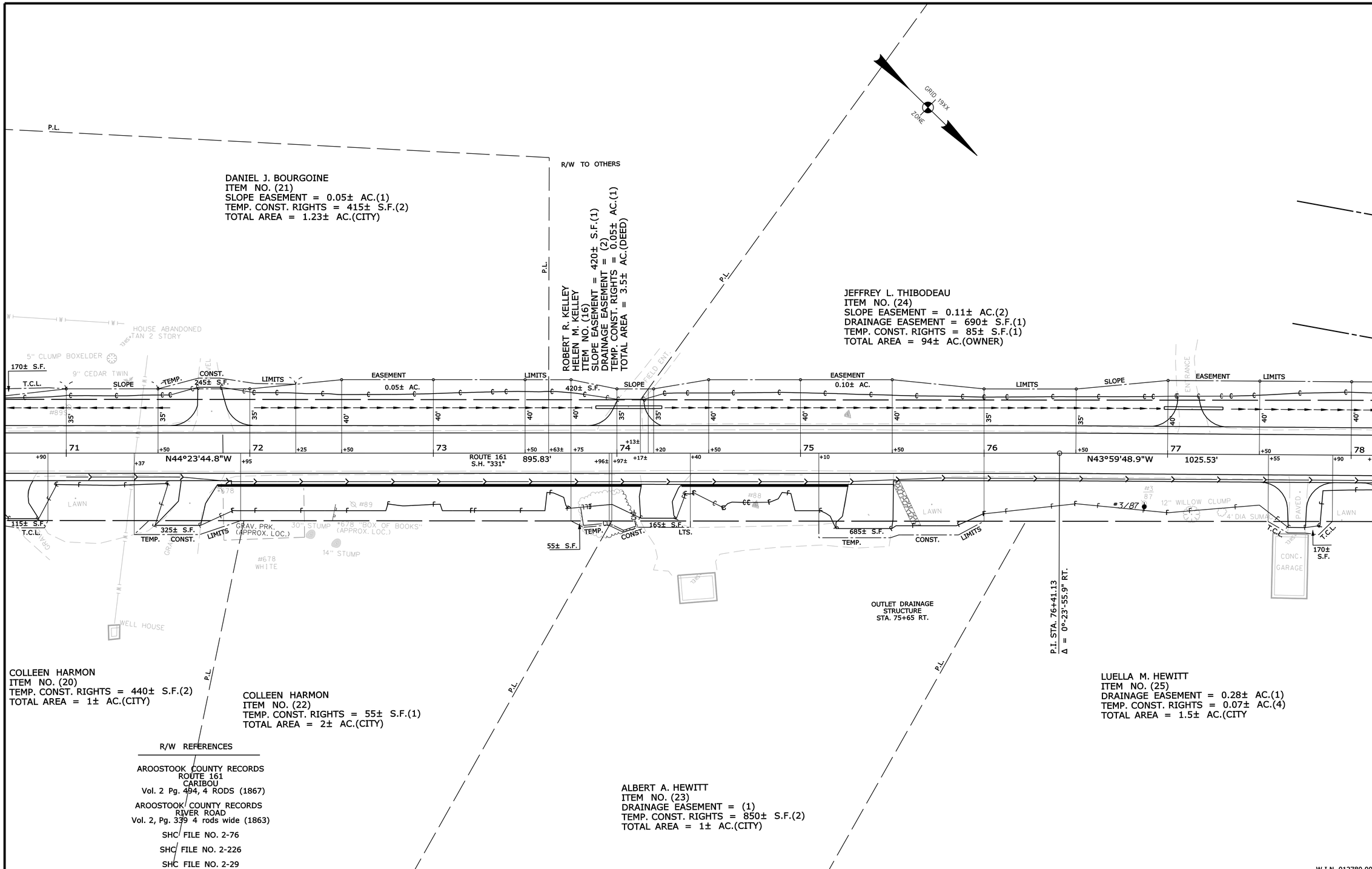
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 10 OF 31

SHEET NUMBER
308
OF 329

Filename: ...\00\row\msta\010_RWPLAN10.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 11 OF 31

SHEET NUMBER
309
OF 329

Filename: ...\00\row\msta\011_RWPLAN11.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\00\row\msta\012_RWPLAN12.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

JEFFREY L. THIBODEAU
ITEM NO. (24)
SLOPE EASEMENTS = 0.11± AC.(2)
DRAINAGE EASEMENT = 690± S.F.(1)
TEMP. CONST. RIGHTS = 85± S.F.(1)
TOTAL AREA = 94± AC.(CITY)

INLET DRAINAGE STRUCTURES
STA. 79+00 TO
STA. 79+55 LT.

GRID 19XX ZONE

MARK LEVASSEUR
MATTHEW LEVASSEUR
AMY LEVASSEUR
CHRISTINE LEVASSEUR
JUSTINE M. LEVASSEUR - LIFE ESTATE
ITEM NO. (27)
TEMP. CONST. RIGHTS = 725± S.F.(1)
TOTAL AREA = 1.09± AC.(CALC.)

CANADIAN PACIFIC RAILWAY COMPANY
ITEM NO. (82)
SLOPE EASEMENT = 1060± S.F.(1)
DRAINAGE EASEMENT = 1875± S.F.(1)
TEMP. CONST. RIGHTS = 1500± S.F.(3)
TOTAL AREA = UNKNOWN

ITEM NO. (24)

ROUTE 161
S.H. "331"

N43°59'48.9"W 1025.53'

GERALD THIBODEAU
LORRAINE E. THIBODEAU
ITEM NO. (26)
TEMP. CONST. RIGHTS = 1690± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

CANADIAN PACIFIC RAILWAY COMPANY
ITEM NO. (83)
DRAINAGE EASEMENT = 525± S.F.(1)
TEMP. CONST. RIGHTS = 1375± S.F.(3)
TOTAL AREA = UNKNOWN

LUELLA M. HEWITT
ITEM NO. (25)
DRAINAGE EASEMENT = 0.28± AC.(1)
TEMP. CONST. RIGHTS = 0.07± AC.(4)
TOTAL AREA =1.5± AC.(CITY

OUTLET DRAINAGE STRUCTURE
STA. 78+67 TO
STA. 80+00 RT.

OUTLET DRAINAGE STRUCTURE
STA. 84+60 TO
STA. 84+90 RT.

RICHARD D. SOLMAN
ITEM NO. (28)
DRAINAGE EASEMENT = (1)
TEMP. CONST. RIGHTS = 350± S.F.(1)
TOTAL AREA = 6± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS
- ○MELL (MELL)
- ℄ - BROADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF "ROW" RIGHT PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- ● I.P. or ■ P.P. (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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE	COUNTY RECORD				
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 2-547
SCALE 1"= 25'	SHEET 12 OF 31	

SHEET NUMBER
310
OF 329

Filename: ...\00\row\mslo\013_RWPLAN13.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

JUSTINE M. LEVASSEUR
ITEM NO. (29)
TEMP. CONST. RIGHTS = 1000± S.F.(1)
TOTAL AREA = 0.64± AC.(CALC.)

TRAVIS W. ROBBINS
JESSICA R. ROBBINS
ITEM NO. (30)
SLOPE EASEMENT = 775± S.F.(1)
TEMP. CONST. RIGHTS = 1735± S.F.(2)
TOTAL AREA = 0.50± AC.(CITY)

P.I. STA. 88+52.94
D = 2°-17'-30.6"
Δ = 8°-31'-22.9" LT.
T = 186.29'
L = 371.88'
E = 6.93'
R = 2500.00'

HAROLD J. OUELLETTE, JR.
DEBRA R. OUELLETTE
ITEM NO. (32)
SLOPE EASEMENT = 1625± S.F.(1)
TEMP. CONST. RIGHTS = 0.12± AC.(1)
TOTAL AREA = 3± AC.(CITY)

MARY W. OUELLETTE
ITEM NO. (33)
TEMP. CONST. RIGHTS = 915± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

P.C. STA. 86+66.66
P.T. STA. 90+38.54
N52°31'11.8"W
1315.08'
371.88'
1025.53'
ROUTE 161
S.H. "331"

OUTLET DRAINAGE STRUCTURE
STA. 84+60 TO
STA. 84+90 RT.

BLACKSTONE FARMS, INC.
ITEM NO. (31)
DRAINAGE EASEMENT = 0.12± AC.(1)
TEMP. CONST. RIGHTS = 0.22± AC.(1)
TOTAL AREA = 1± AC.(CITY)

CANADIAN PACIFIC RAILWAY COMPANY
ITEM NO. (83)
DRAINAGE EASEMENT = 525± S.F.(1)
TEMP. CONST. RIGHTS = 1375± S.F.(3)
TOTAL AREA = UNKNOWN

RICHARD D. SOLMAN
ITEM NO. (28)
DRAINAGE EASEMENT = (1)
TEMP. CONST. RIGHTS = 350± S.F.(1)
TOTAL AREA = 6± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS
- ○ (WELL)
- ○ (WELL)
- IP or ● IP/P (IRON PIPE or PIN FOUND)
- ST. (SEPTIC TANK)
- (ROW MONUMENT)
- ⌀BM (TRAVERSE POINT)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF "RIGHT-PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	CHECKED
BASE MAP	
EXIST. R/W	
PROP. LINES	
AREAS	

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

REVISIONS NO.	DATE	DESCRIPTION	BY

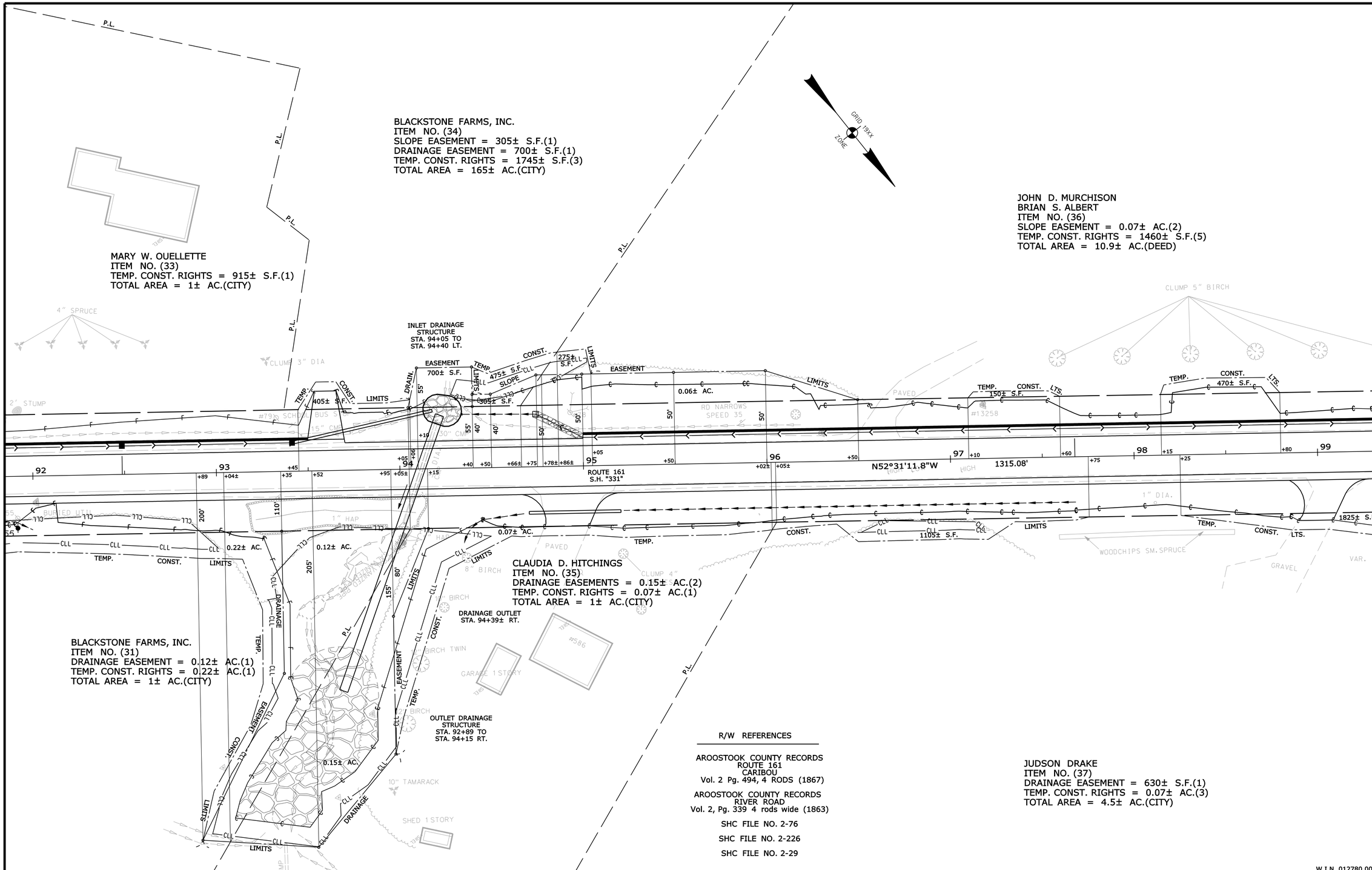
PLAN FILED IN PLAN BOOK NO.	GRANTOR	PAGE INSTRUMENT	COUNTY RECORD DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 2-547
SCALE 1" = 25'	SHEET 13 OF 31	

SHEET NUMBER
311
OF 329



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 14 OF 31

SHEET NUMBER
312
OF 329

Filename: ...\00\row\msta\014_RWPLAN14.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\00\row\msto\015_RWPLAN15.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

GRID 19XX ZONE

JOHN D. MURCHISON
BRIAN S. ALBERT
ITEM NO. (36)
SLOPE EASEMENT = 0.07± AC.(2)
TEMP. CONST. RIGHTS = 1460± S.F.(5)
TOTAL AREA = 10.9± AC.(DEED)

P.I. STA. 106+08.95
Δ = 5°-30'-33.2"
Δ = 27°-35'-15.7" LT.
T = 255.33'
L = 500.75'
R = 1040.00'

BLACKSTONE FARMS, INC.
ITEM NO. (34)
SLOPE EASEMENT = 305± S.F.(1)
DRAINAGE EASEMENT = 700± S.F.(1)
TEMP. CONST. RIGHTS = 1745± S.F.(3)
TOTAL AREA = 165± AC.(CITY)

P.C. STA. 103+53.62

N52°31'11.8"W 1315.08'

ROUTE 161
S.H. "331"

500.75'

13.80'
S.32°-10'-13"W.

55.74'

138.74'
S.7°-44'-48"E.

RANDALL D. WILLETT
SHELBY WILLETT
PARCEL NO. (41)
LAND TAKEN = 223± S.F.
TEMP. CONST. RIGHTS = 825± S.F.(1)
TOTAL AREA = 0.75± AC.(CITY)
REM. AREA = 0.74± AC.

ITEM NO. (40)
(OMITTED)

JUDSON DRAKE
ITEM NO. (37)
DRAINAGE EASEMENT = 630± S.F.(1)
TEMP. CONST. RIGHTS = 0.07± AC.(3)
TOTAL AREA = 4.5± AC.(CITY)

OUTLET DRAINAGE STRUCTURE
STA. 100+95 TO
STA. 101+15 RT.

RIVER ROAD
P.I. STA. 301+57.79
D = 719°-37'-11"
Δ = 39°-55'-01" RT.
T = 29.05'
L = 55.74'
R = 80.00'

MARK A. CHAPMAN
TRUDIE N. CHAPMAN
ITEM NO. (38)
TEMP. CONST. RIGHTS = 1285± S.F.(2)
TOTAL AREA = 1.3± AC.(DEED)

BARBARA J. SPERRY
ITEM NO. (39)
TEMP. CONST. RIGHTS = 710± S.F.(1)
TOTAL AREA = 2± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- ● I.P. or ■ P.P. (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF R.O.W. RIGHT PORTION (LOW 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	CHECKED	TECH
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

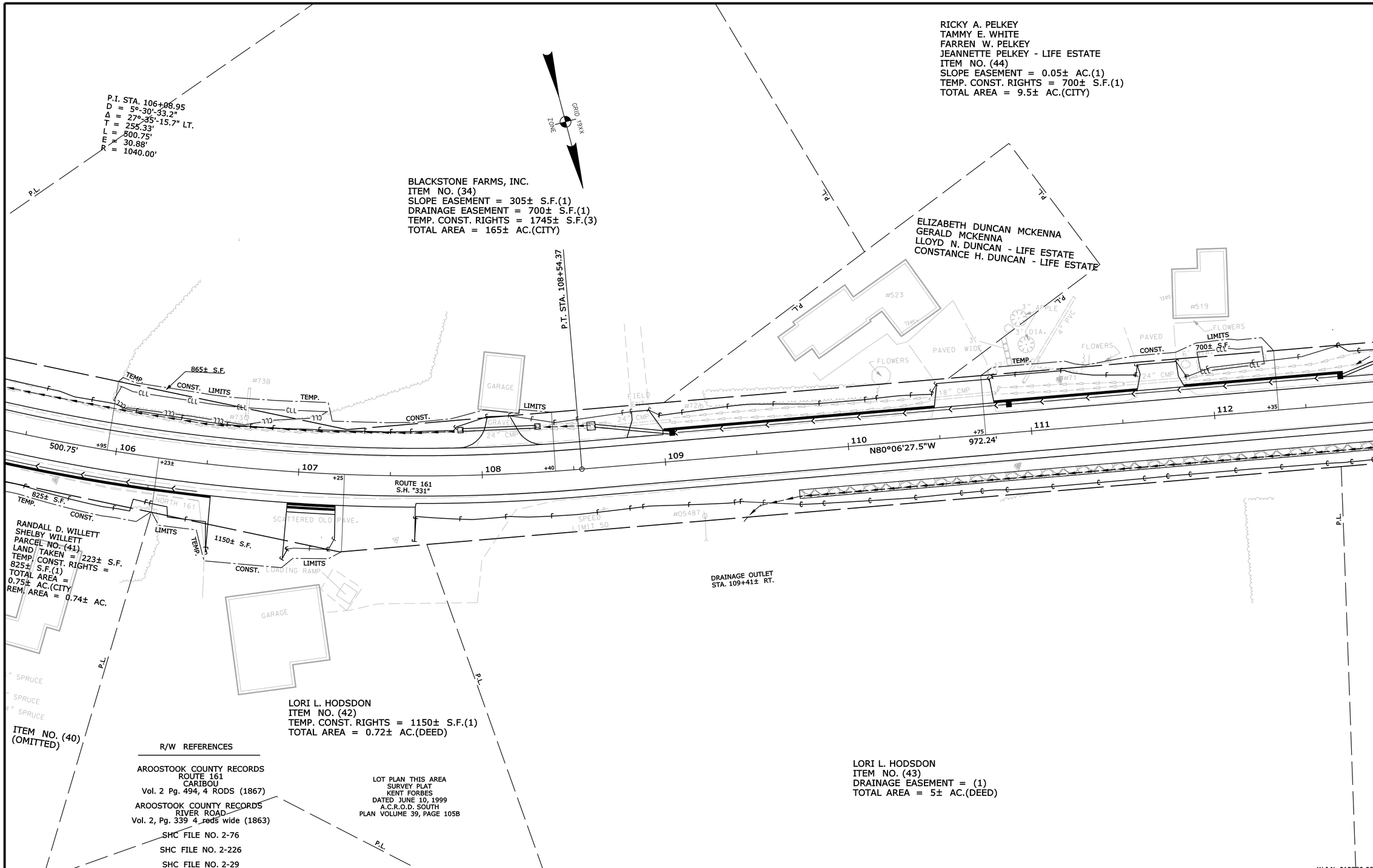
PLAN FILED IN PLAN BOOK NO.	GRANTOR	PAGE INSTRUMENT	COUNTY RECORD DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 15 OF 31

SHEET NUMBER
313
OF 329



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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

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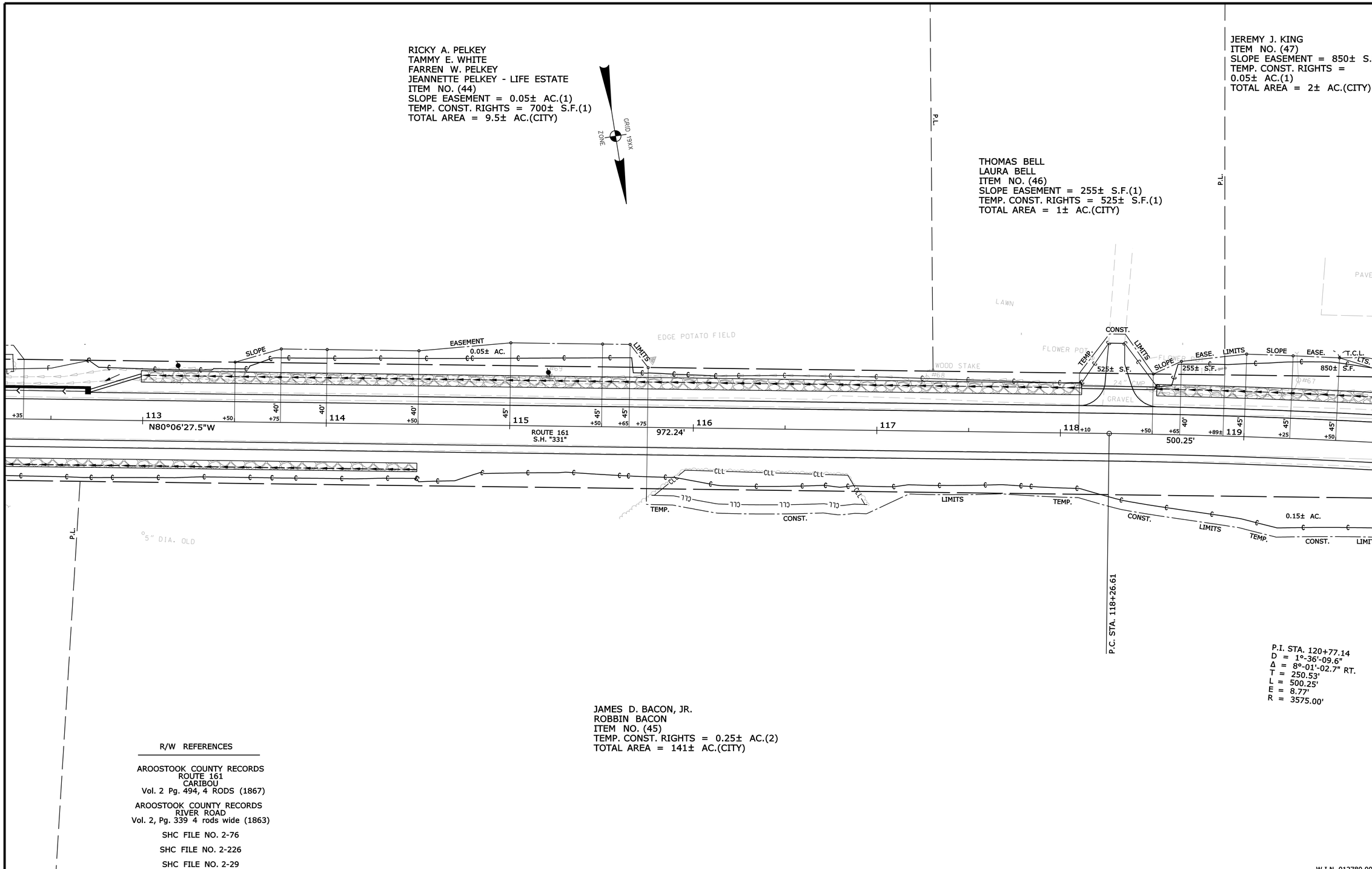
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 16 OF 31

SHEET NUMBER
314
OF 329

Filename: ...\00\row\msta\016_RWPLAN16.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

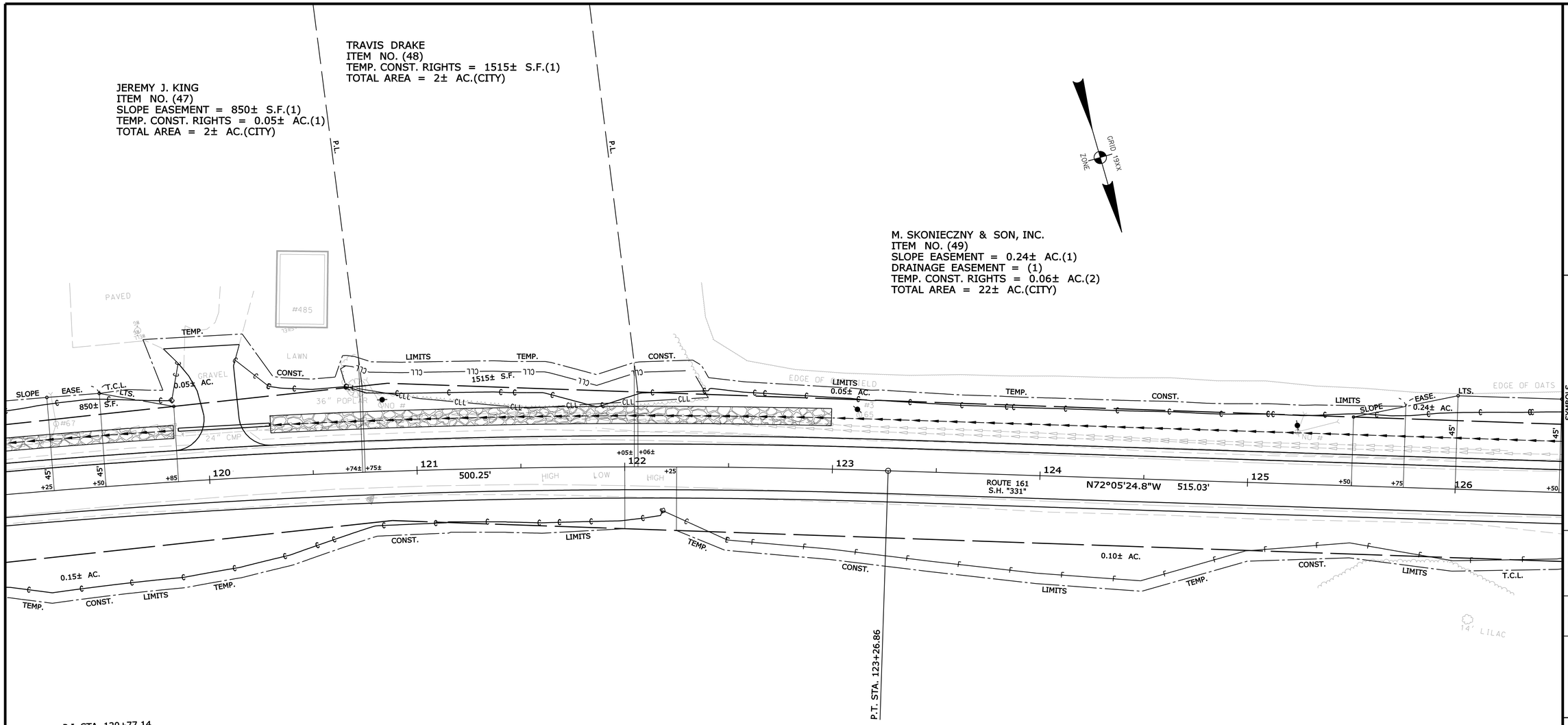
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 17 OF 31

SHEET NUMBER
315
OF 329

Filename: ...\00\row\msta\017_RWPLAN17.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

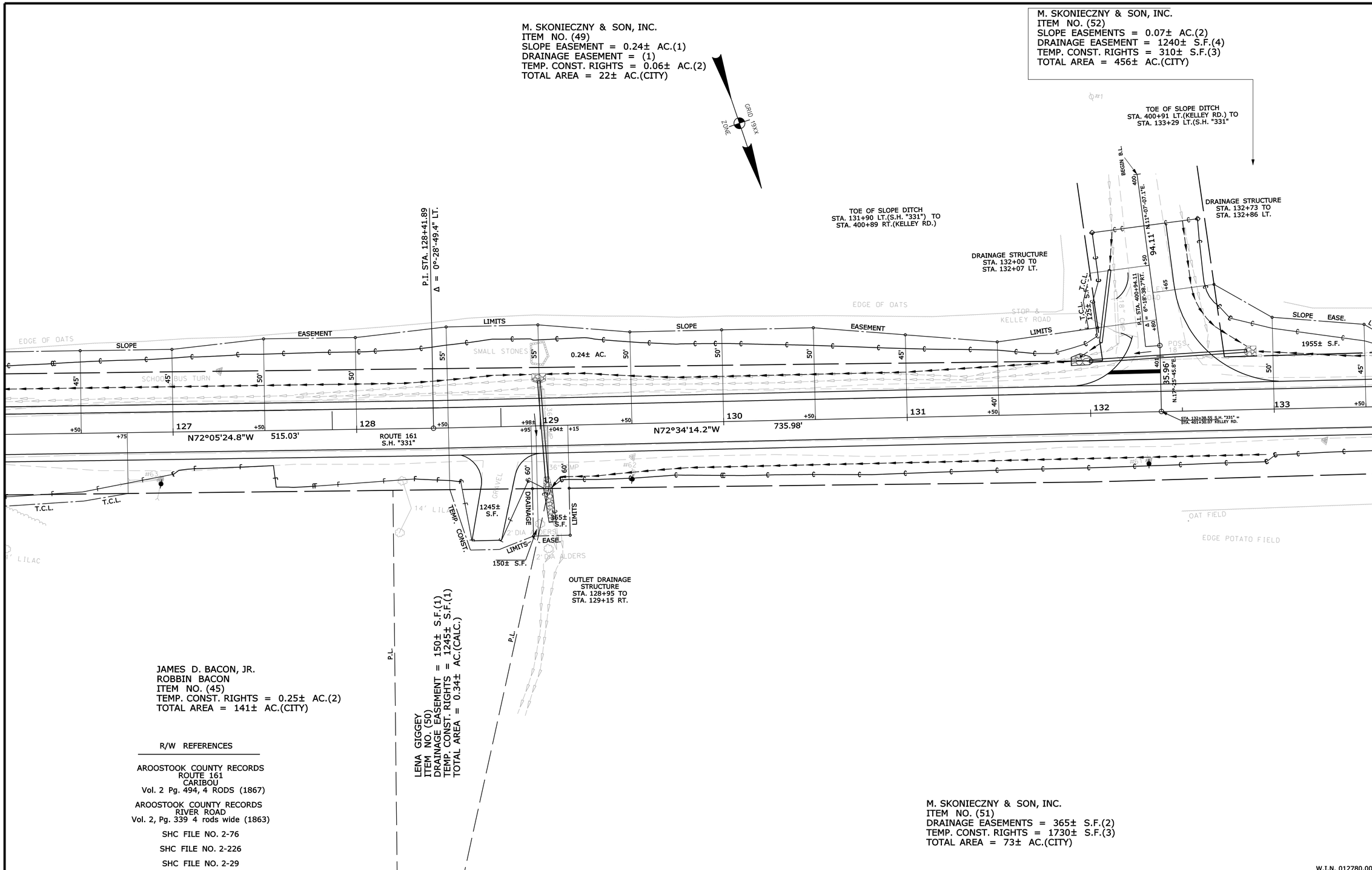
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 18 OF 31

SHEET NUMBER
316
OF 329

Filename: ...\00\row\msta\018_RWPLAN18.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 19 OF 31

SHEET NUMBER
317
OF 329

Filename: ...\00\row\msta\019_RWPLAN19.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\00\row\msta\020_RWPLAN20.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

M. SKONIECZNY & SON, INC.
ITEM NO. (52)
SLOPE EASEMENTS = 0.07± AC.(2)
DRAINAGE EASEMENT = 1240± S.F.(4)
TEMP. CONST. RIGHTS = 310± S.F.(3)
TOTAL AREA = 456± AC.(CITY)

GRID 19XX ZONE

P.I. STA. 138+16.53
D = 0°-34'-22.6"
Δ = 2°-44'-03.4" LT.
T = 238.65'
L = 477.22'
E = 2.85'
R = 10,000.00'

TOE OF SLOPE DITCH
STA. 400+91 LT.(KELLEY RD.) TO
STA. 133+29 LT.(S.H. "331"

P.C. STA. 135+77.87

P.T. STA. 140+55.09

POTATO FIELD

POTATOES

POTATOES

SLOPE EASE. LTS.

105± S.F.

TEMP. CONST. LTS.

1955± S.F.

EXISTING SLOPE EASEMENT
SEE S.H.C. FILE NO. 2-226

S.E.L.

45'

45'

+50 +70 +75 134 +15 135 136 137 138 139 140 +25 +50

N72°34'14.2"W 735.98'

477.22'

ROUTE 161
S.H. "331"

#60 #59 #58

SEE S.H.C. FILE NO. 2-226
EXISTING SLOPE EASEMENT

DAT FIELD

DAT FIELD

M. SKONIECZNY & SON, INC.
ITEM NO. (51)
DRAINAGE EASEMENTS = 365± S.F.(2)
TEMP. CONST. RIGHTS = 1730± S.F.(3)
TOTAL AREA = 73± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- (WELL) WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF R/W RIGHT-OF-WAY (L.O.W.R.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- ● I.P. or ■ P/P (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

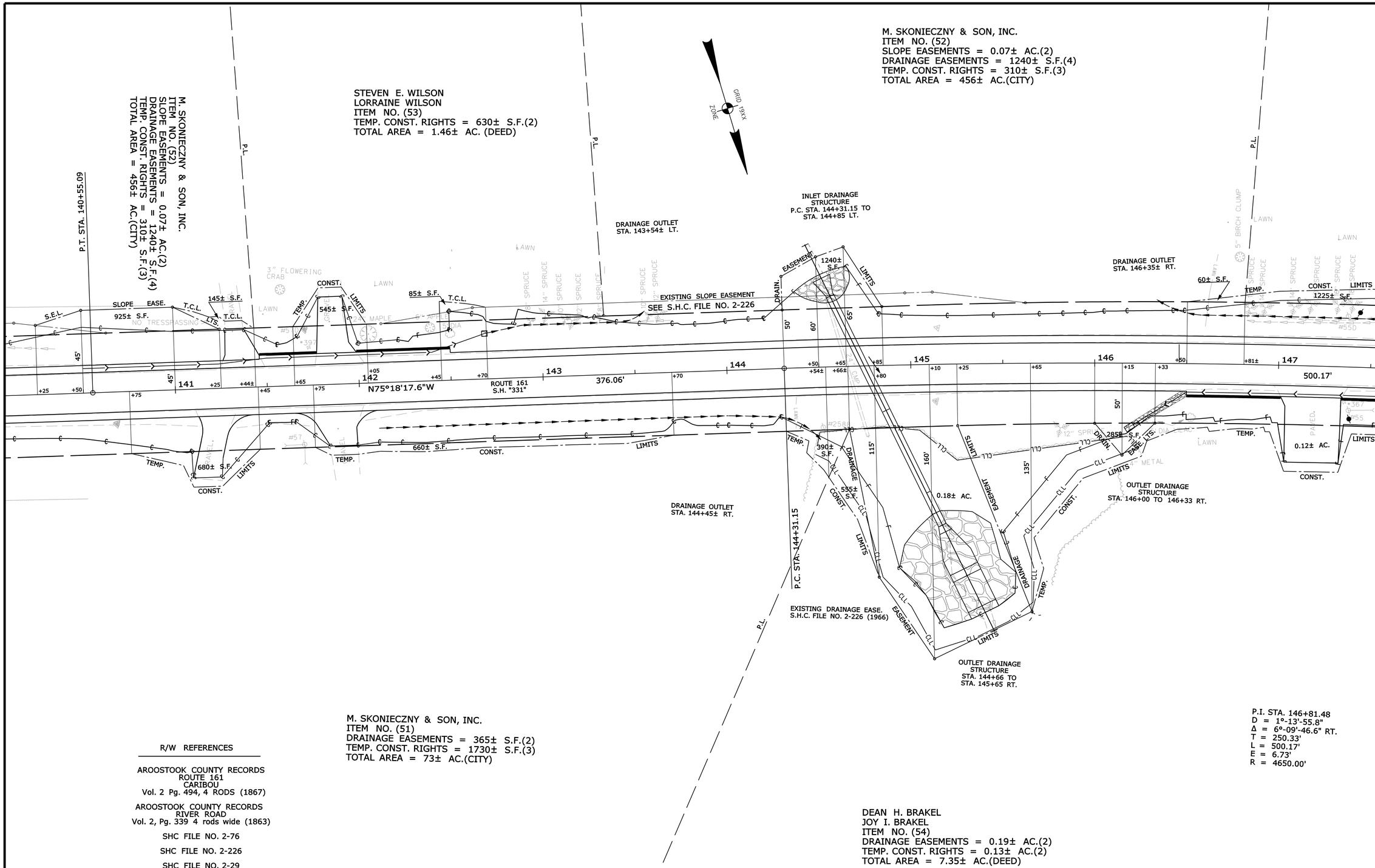
PLAN FILED IN PLAN BOOK PAGE		COUNTY RECORD			
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 20 OF 31

SHEET NUMBER
318
OF 329



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ST. (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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

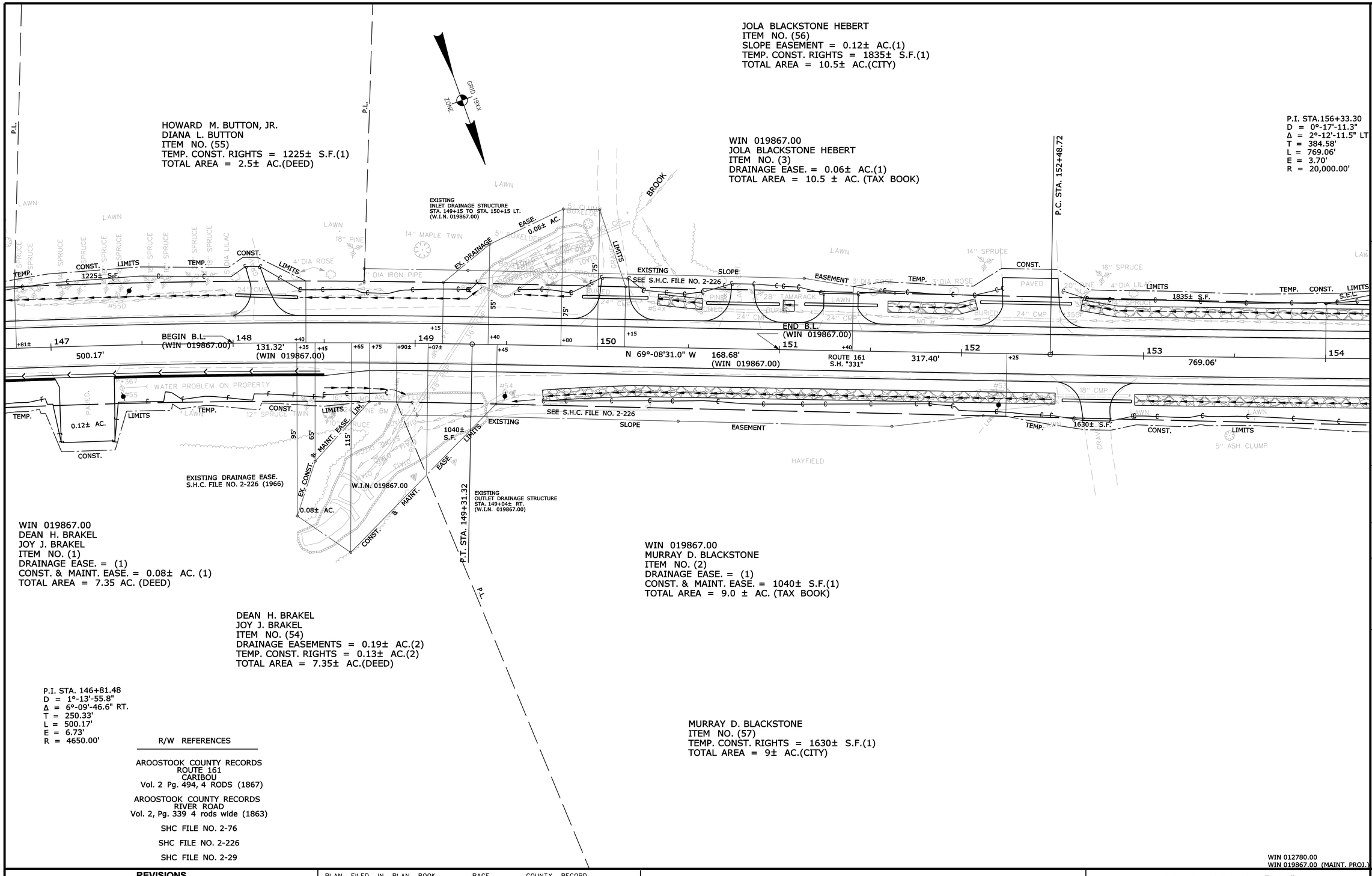
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 21 OF 31

SHEET NUMBER
319
OF 329

Filename: ...\00\row\msta\021_RWPLAN21.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



SYMBOLS

- ○WELL (WELL)
- BASELINE OF SURVEY
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- P.L.
- LIMITS OF R/W
- RIGHT PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- ● I.P. or ● P/P. (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- ⌀ (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK	PAGE	COUNTY RECORD				
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
	W.I.N. 019867.00	COND.	11/13/12	5122	69

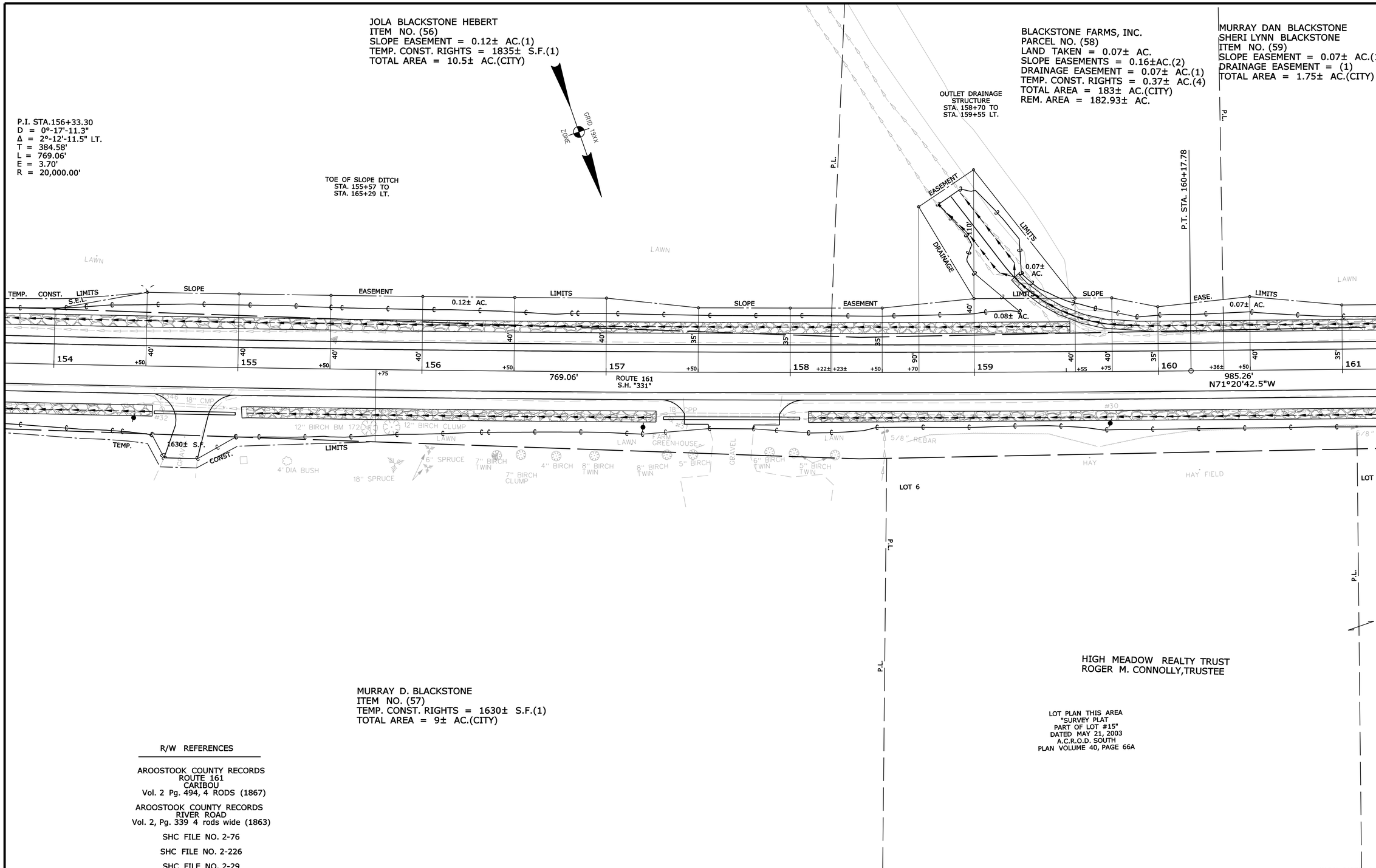
DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
STATE MAINTENANCE PROJECT NO. 19867.00
FEDERAL AID PROJECT NO. STP-1278(000)X

AUGUST 2013 / JANUARY 2015	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 2-547
SCALE 1" = 25'	SHEET 22 OF 31	

SHEET NUMBER
320
OF 329

Filename: ...\00\row\msto\022_RWPLAN22.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

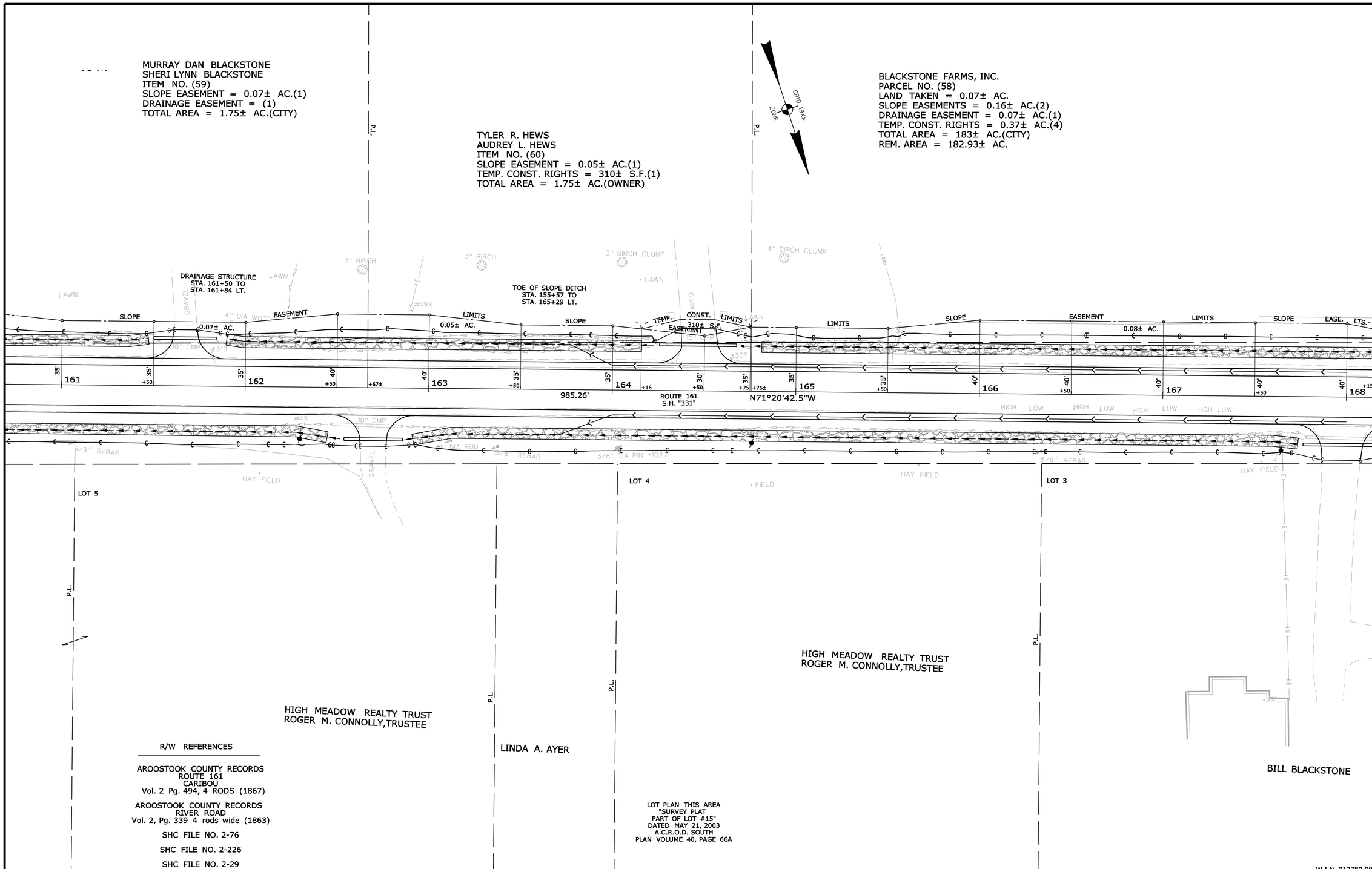
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 23 OF 31

SHEET NUMBER
321
OF 329

Filename: ...\00\row\msta\023_RWPLAN23.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



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
- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

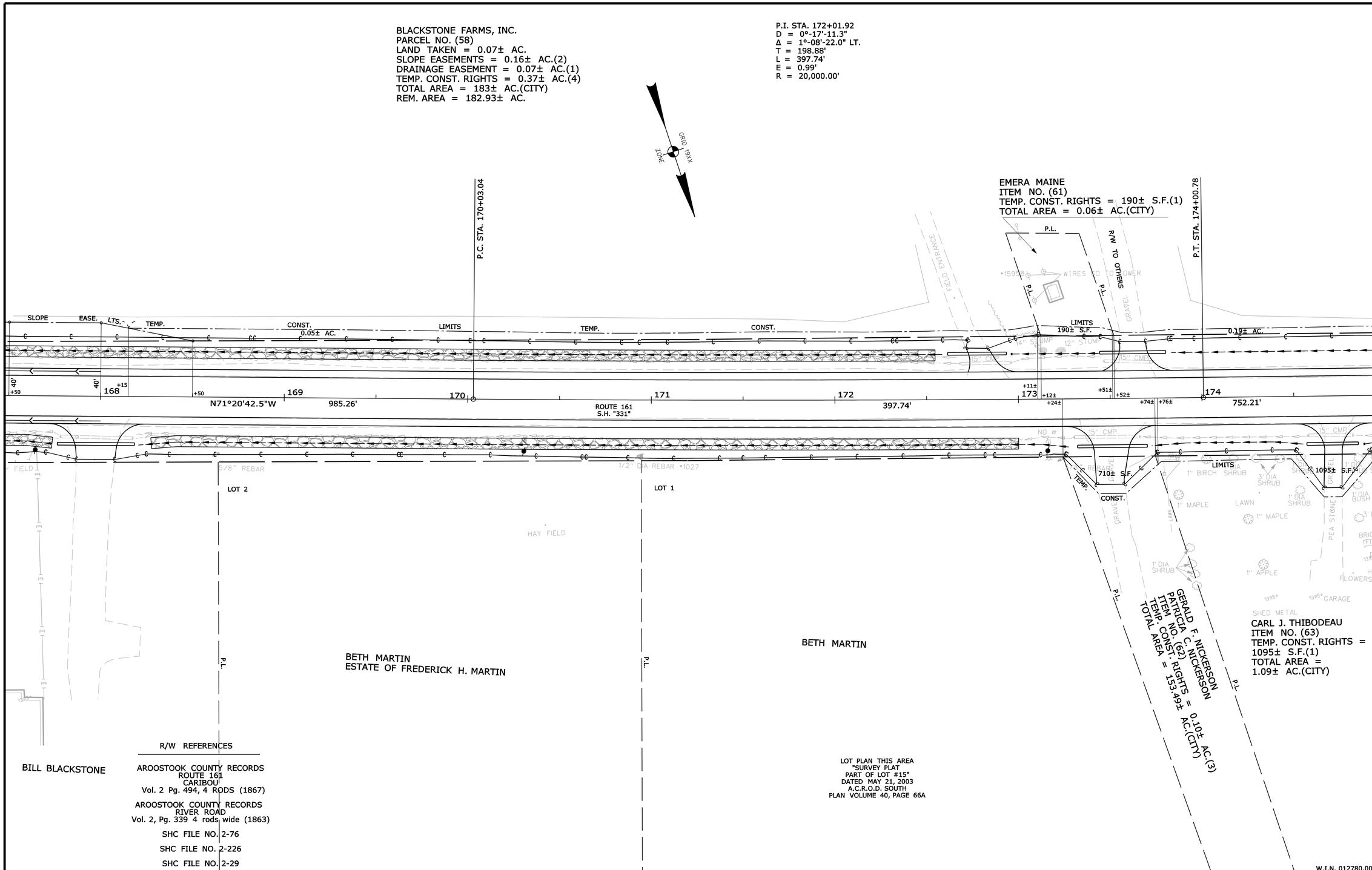
DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 24 OF 31

SHEET NUMBER
322
OF 329

Filename: ...\00\row\msta\024_RWPLAN24.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

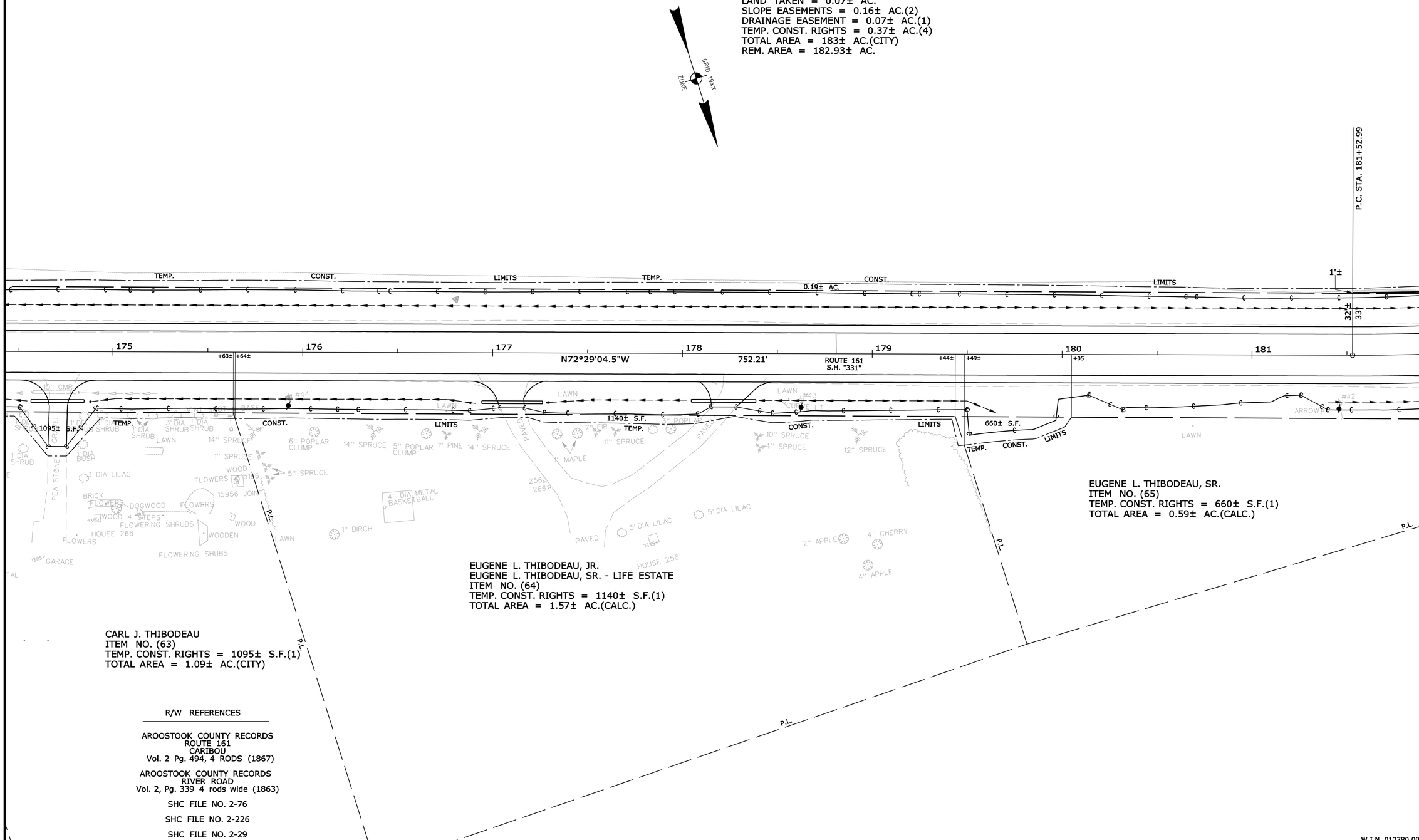
STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 25 OF 31

SHEET NUMBER
323
OF 329

Filename: ...\00\row\msta\025_RWPLAN25.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

BLACKSTONE FARMS, INC.
PARCEL NO. (58)
LAND TAKEN = 0.07± AC.
SLOPE EASEMENTS = 0.16± AC.(2)
DRAINAGE EASEMENT = 0.07± AC.(1)
TEMP. CONST. RIGHTS = 0.37± AC.(4)
TOTAL AREA = 183± AC.(CITY)
REM. AREA = 182.93± AC.



EUGENE L. THIBODEAU, SR.
ITEM NO. (65)
TEMP. CONST. RIGHTS = 660± S.F.(1)
TOTAL AREA = 0.59± AC.(CALC.)

EUGENE L. THIBODEAU, JR.
EUGENE L. THIBODEAU, SR. - LIFE ESTATE
ITEM NO. (64)
TEMP. CONST. RIGHTS = 1140± S.F.(1)
TOTAL AREA = 1.57± AC.(CALC.)

CARL J. THIBODEAU
ITEM NO. (63)
TEMP. CONST. RIGHTS = 1095± S.F.(1)
TOTAL AREA = 1.09± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- IP or ● IPF (IRON PIPE or PIN FOUND)
- ST. (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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 26 OF 31

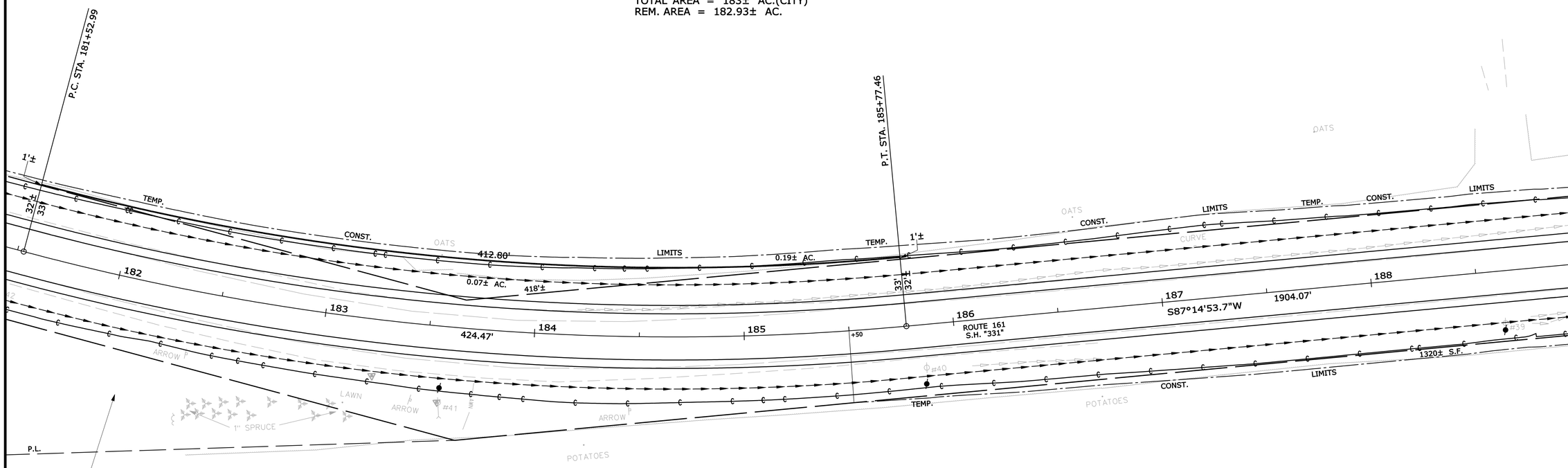
SHEET NUMBER
324
OF 329

Filename: ...\00\row\msta\026_RWPLAN26.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

P.I. STA. 183+67.47
D = 4°-46'-28.7"
Δ = 20°-16'-01.8" LT.
T = 214.48'
L = 424.47'
E = 19.02'
R = 1200.00'

GRID 19XX
ZONE

BLACKSTONE FARMS, INC.
PARCEL NO. (58)
LAND TAKEN = 0.07± AC.
SLOPE EASEMENTS = 0.16± AC.(2)
DRAINAGE EASEMENT = 0.07± AC.(1)
TEMP. CONST. RIGHTS = 0.37± AC.(4)
TOTAL AREA = 183± AC.(CITY)
REM. AREA = 182.93± AC.



EUGENE L. THIBODEAU, SR.
ITEM NO. (65)
TEMP. CONST. RIGHTS =
660± S.F.(1)
TOTAL AREA = 0.59± AC.(CALC.)

ITEM NO. (66)
OMITTED

GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (62)
TEMP. CONST. RIGHTS = 0.10± AC.(3)
TOTAL AREA = 153.49± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 27 OF 31

SHEET NUMBER
325
OF 329

Filename: ...\00\row\msta\027_RWPLAN27.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

BLACKSTONE FARMS, INC.
PARCEL NO. (58)
LAND TAKEN = 0.07± AC.
SLOPE EASEMENTS = 0.16± AC.(2)
DRAINAGE EASEMENT = 0.07± AC.(1)
TEMP. CONST. RIGHTS = 0.37± AC.(4)
TOTAL AREA = 183± AC.(CITY)
REM. AREA = 182.93± AC.

ZONE 20Z Grid 19XX

P.L.

BANK OF AMERICA, N.A.
ITEM NO. (67)
TEMP. CONST. RIGHTS = 615± S.F.(1)
TOTAL AREA = 0.25± AC.(CITY)

16" SPRUCE
18" SPRUCE
LAWN
1' DIA LILAC
2" MAPLE
12" SPRUCE
#385
18" PCP
24' WIDE PAVED RIVER ROAD
NWT
GRAVEL FIELD ENT.

TEMP. 0.19± AC. CONST. LIMITS
TEMP. 615± S.F.
CONST. 0.12± AC. LIMITS

189 +50 +75 190 191 192 +34± 193 +34± 194 195 +87± 196

S87°14'53.7"W 1904.07'
ROUTE 161
S.H. "331"

15" CMP
#38
24" CPP
#39
1320± S.F. TEMP. CONST. LTS.
TEMP.
CONST. 0.05± AC. LIMITS
TEMP.
CONST. LIMITS
915± S.F.
35 MPH AHEAD
LAWN
P.L.
4" BIRCH TWIN
HOUSE 1822

GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (62)
TEMP. CONST. RIGHTS = 0.10± AC.(3)
TOTAL AREA = 153.49± AC.(CITY)

GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (68)
TEMP. CONST. RIGHTS = 915± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS
○WELL (WELL)
- - - GRADING LIMIT LINE
- - - CONSTRUCTION LIMIT LINE
- - - PROPERTY LINE PL
LIMITS OF "RIGHT-PORTION (LOW.P.)
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
• IP or ● PIPE (IRON PIPE or PIN FOUND)
□ ST. (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		
PROP. LINES		
AREAS		

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

REVISIONS NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK NO.	GRANTOR	PAGE INSTRUMENT	COUNTY RECORD DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 28 OF 31

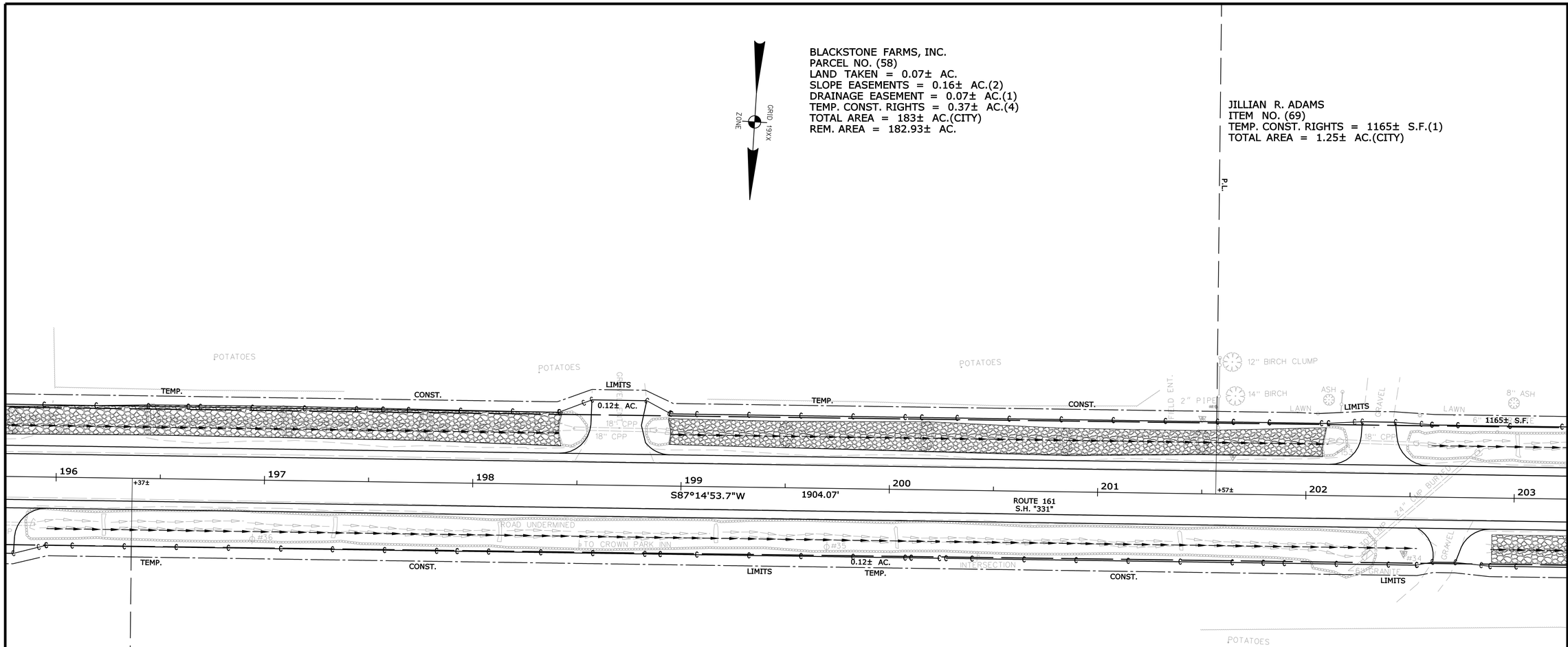
SHEET NUMBER
326
OF 329

Filename: ...\00\row\msta\028_RWPLAN28.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\00\row\mnsto\029_RWPLAN29.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

BLACKSTONE FARMS, INC.
PARCEL NO. (58)
LAND TAKEN = 0.07± AC.
SLOPE EASEMENTS = 0.16± AC.(2)
DRAINAGE EASEMENT = 0.07± AC.(1)
TEMP. CONST. RIGHTS = 0.37± AC.(4)
TOTAL AREA = 183± AC.(CITY)
REM. AREA = 182.93± AC.

JILLIAN R. ADAMS
ITEM NO. (69)
TEMP. CONST. RIGHTS = 1165± S.F.(1)
TOTAL AREA = 1.25± AC.(CITY)



GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (68)
TEMP. CONST. RIGHTS = 915± S.F.(1)
TOTAL AREA = 1± AC.(CITY)

GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (62)
TEMP. CONST. RIGHTS = 0.10± AC.(3)
TOTAL AREA = 153.49± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

W.I.N. 012780.00

SYMBOLS

- (WELL) WELL
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE P.L.
- LIMITS OF "RIGHT PORTION (LOW P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- ● I.P. or ● P/P (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

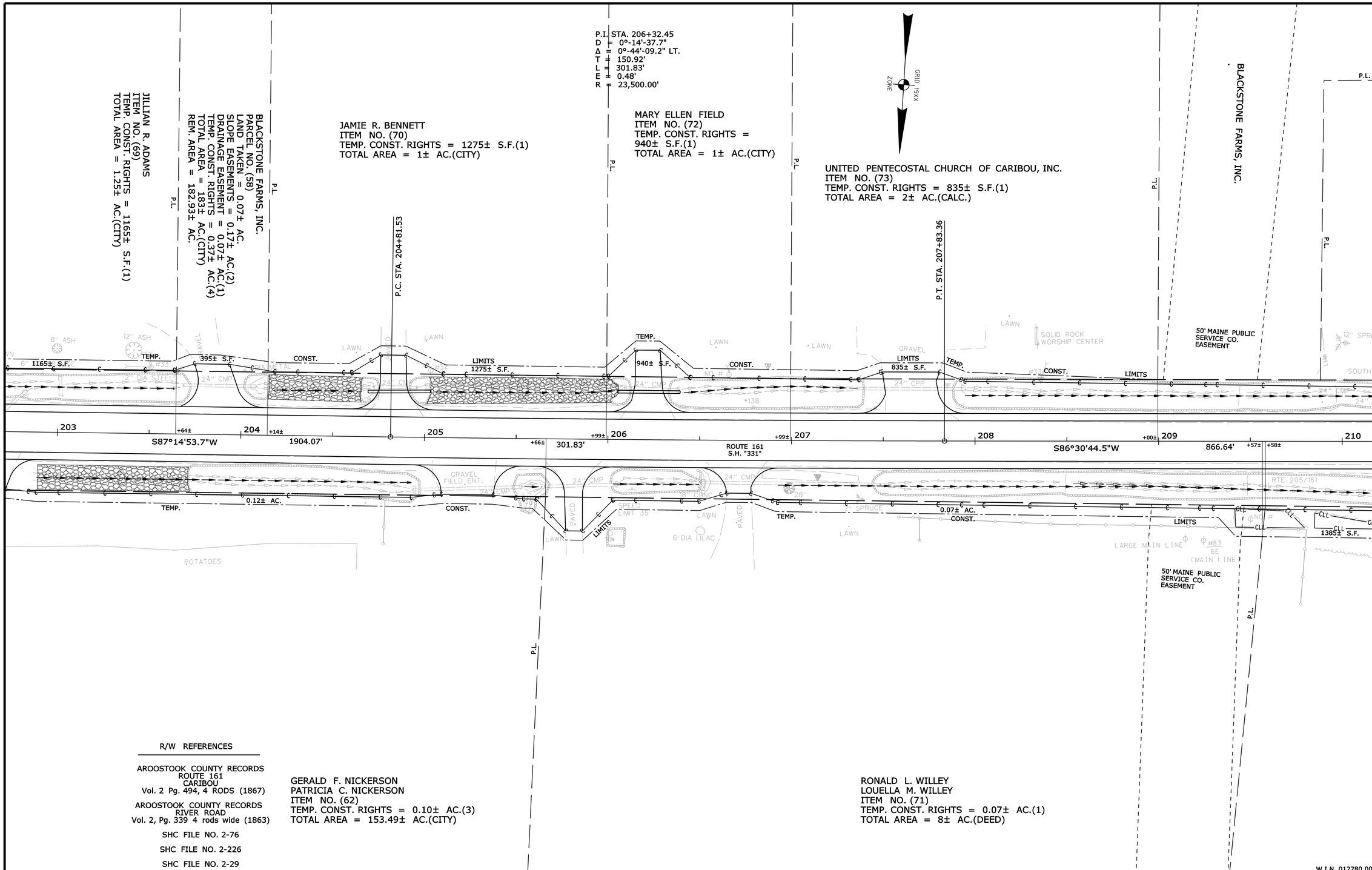
PLAN FILED IN PLAN BOOK NO.	GRANTOR	PAGE INSTRUMENT	COUNTY RECORD DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1"= 25' | SHEET 29 OF 31

SHEET NUMBER
327
OF 329



R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76

SHC FILE NO. 2-226

SHC FILE NO. 2-29

GERALD F. NICKERSON
PATRICIA C. NICKERSON
ITEM NO. (62)
TEMP. CONST. RIGHTS = 0.10± AC.(3)
TOTAL AREA = 153.49± AC.(CITY)

RONALD L. WILLEY
LOUELLA M. WILLEY
ITEM NO. (71)
TEMP. CONST. RIGHTS = 0.07± AC.(1)
TOTAL AREA = 8± AC.(DEED)

W.I.N. 012780.00

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
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- LIMITS OF WROUGHT PORTION (L.O.W.P.)
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- 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		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 30 OF 31

SHEET NUMBER
328
OF 329

Filename: ...\00\row\msta\030_RWPLAN30.dgn Division: HIGHWAY Username: natasha.m.collins Date:3/4/2015

Filename: ...\00\row\msla\031_RWPLAN31.dgn Username: natasha.m.collins Division: HIGHWAY Date:3/4/2015

S.A.H. NO. 29
ROUTE 205

BEGIN B.L. 600+00

MICHAEL S. PENDERGAST, IV
KERRI A. PENDERGAST
ITEM NO. (75)
TEMP. CONST. RIGHTS = 945± S.F.(1)
TOTAL AREA = 0.56± AC.(CITY)

945± S.F.

TEMP. CONST. LTS. 200± S.F.

N.2°-05'-28.9"W.
53.76'

N.3°-29'-15.3"W.
141.76'

P.I. STA. 600+53.76
Δ = 1°-23'-46.4" LT.

ITEM NO. (78)
(OMITTED)

DUANE G. MCCUBREY
ITEM NO. (79)
TEMP. CONST. RIGHTS = 200± S.F.(1)
TOTAL AREA = 1.03± AC.(CITY)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76
SHC FILE NO. 2-226
SHC FILE NO. 2-29

CANADIAN PACIFIC RAILROAD

CANADIAN PACIFIC RAILWAY COMPANY
ITEM NO. (81)
DRAINAGE EASEMENT = 445± S.F.(1)
TEMP. CONST. RIGHTS = 1550± S.F.(1)

DUANE G. MCCUBREY
ITEM NO. (84)
DRAINAGE EASEMENT = 425± S.F.(1)
TEMP. CONST. RIGHTS = 395± S.F.(1)
TOTAL AREA = 6.94± AC.(CITY)

10' R/W TO OTHERS

ESTATE OF THERESA A. PERREAULT

DUANE G. MCCUBREY
PARCEL NO. (77)
LAND TAKEN = 463± S.F.
TEMP. CONST. RIGHTS = 0.05± AC.(1)
TOTAL AREA = 0.35± AC.(CALC.)
REM. AREA = 0.34± AC.

50' R/W TO OTHERS

DRAINAGE STRUCTURE
STA. 215+00 TO
STA. 215+52 LT.

DRAINAGE STRUCTURES
STA. 215+90 TO
STA. 216+45 LT.

TEMP. CONST. LIMITS
EASEMENT
1550± S.F.
395± S.F.
425± S.F.
445± S.F.
135± S.F.
DRAIN. EASE. LTS.

463± S.F.
0.05± AC.
1385± S.F.
0.08± AC.
703± S.F. WROUGHT
1431± PORTION
111'±
170.71'
R = 225.00'
Δ = 43°-28'-17" RT.
T = 89.70'
L = 170.71'
D = 25°-27'-53"

RIVER ROAD CONNECTOR
P.I. STA. 801+07.70

S.1°-32'-32.9"E.
217.73'

S86°30'44.5"W
866.64'

ROUTE 161
S.H. "331"

TO U.S. ROUTE 1

SEE S.H.C. FILE NO. 2-76

80± S.F. TEMP. CONST. LTS.
340± S.F. CONST.
TEMP.
CONST. & MAINT. EASE. LTS. 65± S.F.
T.C.L. 50± S.F.

CANADIAN PACIFIC RAILWAY COMPANY
ITEM NO. (80)
CONST. & MAINT. EASE. = 65± S.F.(1)
DRAINAGE EASEMENT = 430± S.F.(1)
TEMP. CONST. RIGHTS = 890± S.F.(4)
TOTAL AREA = 2.36± AC.(CITY)

CANADIAN PACIFIC
RAILWAY COMPANY
ITEM NO. (76)
TEMP. CONST. RIGHTS =
265± S.F.(1)
TOTAL AREA = 0.31± AC.(CITY)

265± S.F.
420± S.F.
430± S.F.
DRAIN.
EASE.
LIMITS

OUTLET DRAINAGE
STRUCTURE
STA. 499+90 TO
STA. 500+15 RT.
(RIVER ROAD NORTH)

RIVER ROAD CONNECTOR
P.I. STA. 801+07.70
D = 25°-27'-53"
Δ = 43°-28'-17" RT.
T = 89.70'
L = 170.71'
R = 225.00'

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

BETH A. CLARK
PARCEL NO. (74)
LAND TAKEN = 0.08± AC.PRESC. EASE.)
LAND TAKEN = 703± S.F.(OTHER)
TOTAL LAND TAKEN = 0.10± AC.
TEMP. CONST. RIGHTS = 1385± S.F.(1)
TOTAL AREA = 1± AC.(CITY)
REM. AREA = 0.90± AC.

NOTE:
SEE SHEET NO. 12 FOR ITEM NO. (82)
SEE SHEET NOS. 12 & 13 FOR ITEM NO. (83)

R/W REFERENCES

AROOSTOOK COUNTY RECORDS
ROUTE 161
CARIBOU
Vol. 2 Pg. 494, 4 RODS (1867)

AROOSTOOK COUNTY RECORDS
RIVER ROAD
Vol. 2, Pg. 339 4 rods wide (1863)

SHC FILE NO. 2-76
SHC FILE NO. 2-226
SHC FILE NO. 2-29

W.I.N. 012780.00

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

ITEM	CHECKED	TECH
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "331"
STATE ROUTE 161
CARIBOU AROOSTOOK COUNTY
FEDERAL AID PROJECT NO. STP-1278(000)X

JANUARY 2015 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 2-547
SCALE 1" = 25' | SHEET 31 OF 31

SHEET NUMBER
329
OF 329