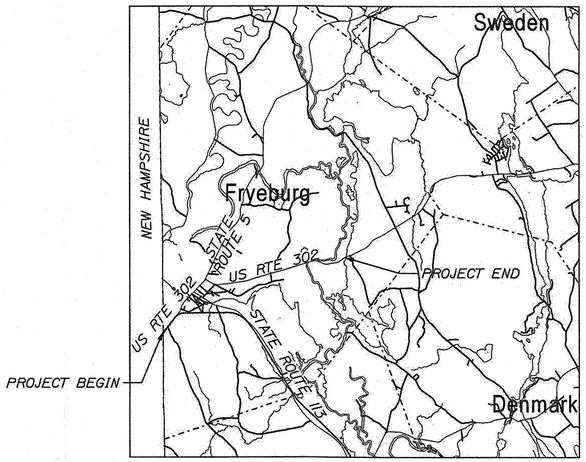
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



LOCATION MAP

2 0 2 4

Scale in Miles

FRYEBURG

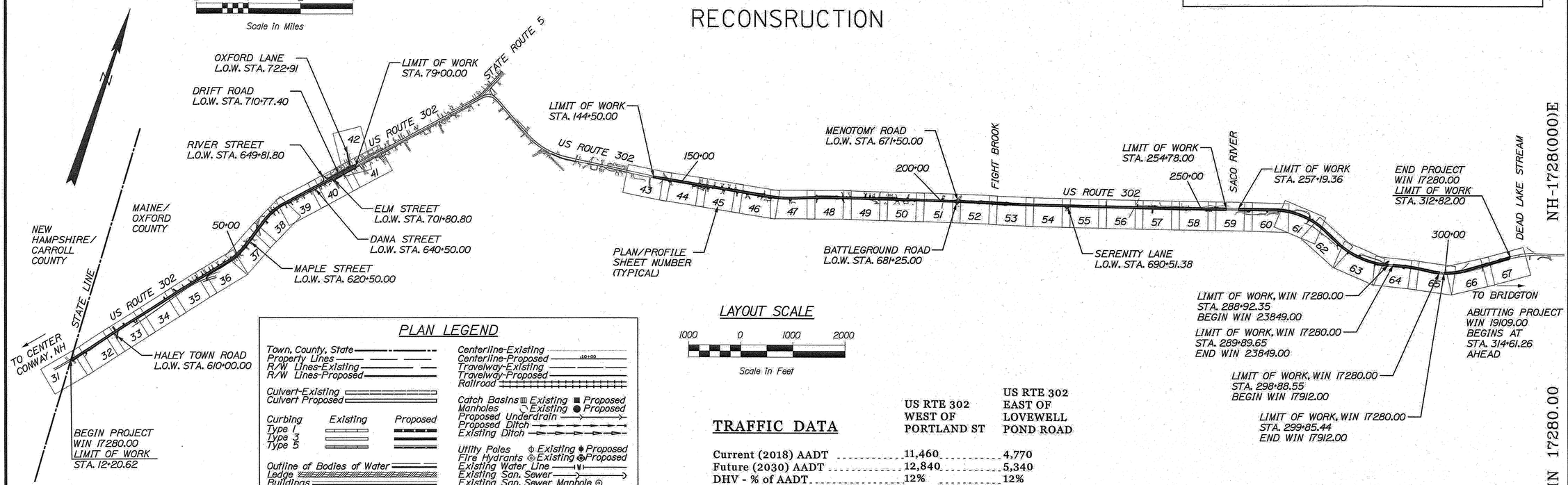
OXFORD COUNTY

US ROUTE 302

NH-1728(000)E

PROJECT LENGTH: 4.331 MILES

RECONSRUCTION



LAYOUT SCALE

1000 0 1000 2000

Scale in Feet

PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Boring — HB-XXX-####
Pavement Core — PC-#
Test Pit — TP-XXX-####
Probe — P-#.#X
Centerline-Existing
Centerline-Proposed
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins Existing Proposed
Manholes Existing Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles Existing Proposed
Fire Hydrants Existing Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other
#.# = Depth
X = W (Weathered Rock)
R (Refusal)
NR (No Refusal)

TRAFFIC DATA

	US RTE 302 WEST OF PORTLAND ST	US RTE 302 EAST OF LOVEWELL POND ROAD
Current (2018) AADT	11,460	4,770
Future (2030) AADT	12,840	5,340
DHV - % of AADT	12%	12%
Design Hour Volume	1,541	641
% Heavy Trucks (AADT)	7%	10%
% Heavy Trucks (DHV)	4%	6%
Directional Distribution (DHV)	59%	53%
18 kip Equivalent P 2.0	593	285
18 kip Equivalent P 2.5	565	272
Design Speed (mph)	50/35/30	50/35
Functional Class:	RURAL PRINCIPAL ARTERIAL	
Corridor Priority:	1	1

INDEX OF SHEETS

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General Notes	19
Concrete Box Culvert Notes	20
Construction Notes	21-25
Special Details	26-30
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Boring Logs	33-34
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Other Profiles	72-76
Geometric Layout	77-80
Cross Sections	81-286
Signing and Pavement Marking	287-325
Right-of-Way Plans	326-364
Shortridge Bridge over Saco River Overflow, WIN 23849.00	A1-A20
Eddy Flats Bridge over Saco River Overflow, WIN 17912.00	B1-B22

PROGRAM AREA: HIGHWAY PROGRAM

SCOPE OF WORK: HIGHWAY RECONSTRUCTION AND REHABILITATION WITH ALIGNMENT, DRAINAGE, AND INTERSECTION IMPROVEMENTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: [signature] DATE 12/17/18

CHIEF ENGINEER: [signature] DATE 12-17-18

STATE OF MAINE MARK DEBOWSKI No. 10940 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE [signature]

P.E. NUMBER 10940

DATE 12/11/2018

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	ERNIE MARTIN
DESIGNER	MARK DEBOWSKI
CONSULTANT	STANTEC
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

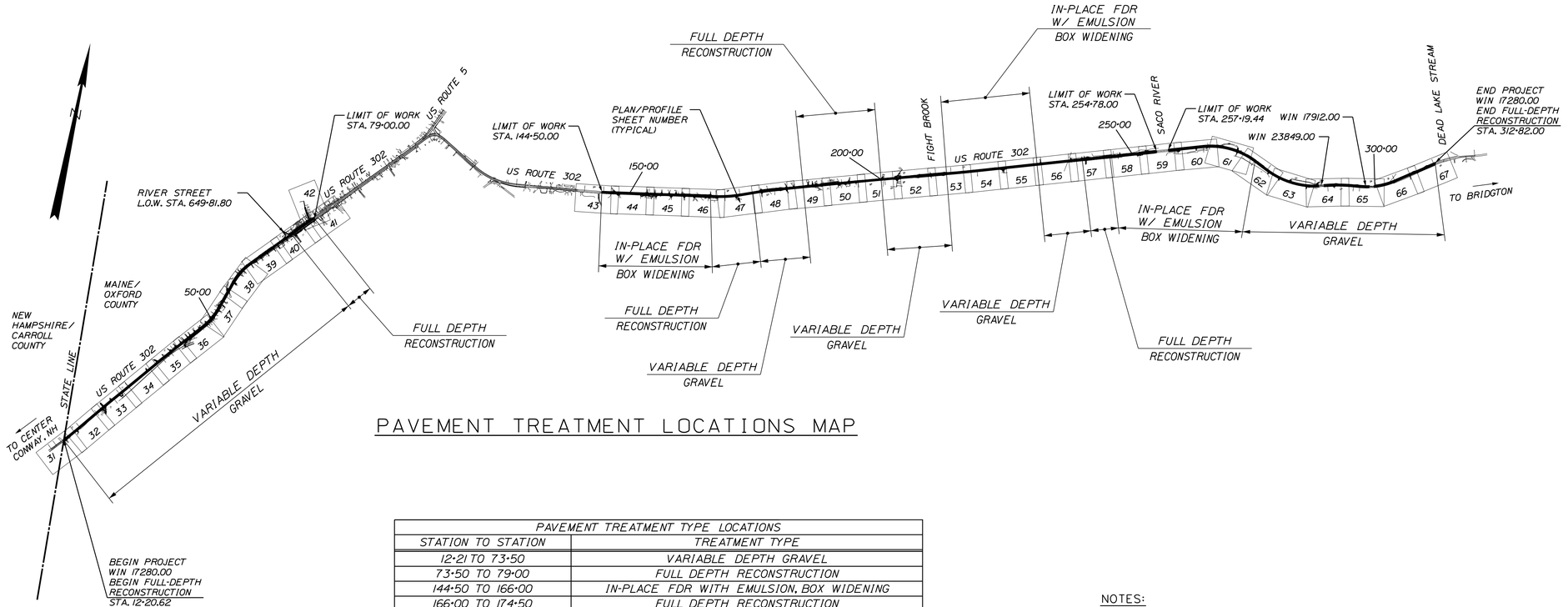
FRYEBURG
US ROUTE 302

TITLE SHEET

SHEET NUMBER 1

OF 364

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: mdebowski Date:12/11/2018



PAVEMENT TREATMENT LOCATIONS MAP

PAVEMENT TREATMENT TYPE LOCATIONS	
STATION TO STATION	TREATMENT TYPE
12+21 TO 73+50	VARIABLE DEPTH GRAVEL
73+50 TO 79+00	FULL DEPTH RECONSTRUCTION
144+50 TO 166+00	IN-PLACE FDR WITH EMULSION, BOX WIDENING
166+00 TO 174+50	FULL DEPTH RECONSTRUCTION
174+50 TO 184+50	VARIABLE DEPTH GRAVEL
184+50 TO 200+00	FULL DEPTH RECONSTRUCTION
200+00 TO 213+00	VARIABLE DEPTH GRAVEL
213+00 TO 231+00	IN-PLACE FDR WITH EMULSION, BOX WIDENING
231+00 TO 240+00	VARIABLE DEPTH GRAVEL
240+00 TO 245+50	FULL DEPTH RECONSTRUCTION
245+50 TO 275+00	IN-PLACE FDR WITH EMULSION, BOX WIDENING
275+00 TO 314+00	VARIABLE DEPTH GRAVEL

SCALE OF FEET

5 0 5 10

NOTES:

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

2. WHEN SUPERELEVATION EXCEEDS 4%, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.

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 TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING IN THE TYPICAL SECTION TABLES IS APPROXIMATE.

7. HMA = HOT MIX ASPHALT
FDR = FULL DEPTH RECYCLING W/STABILIZER
ASCG = AVAILABLE EXISTING AGGREGATE EXCAVATION USED FOR ACHIEVING GRADE OR CROSS SLOPE SHALL MEET SPECIFICATION SECTION 308.021. NEW AGGREGATE SHALL BE MEASURED AND PAID FOR UNDER ITEM 304.10. AGGREGATE SUBBASE COURSE TYPE D SHALL BE USED ABOVE 24 INCHES BELOW FINISHED GRADE. AGGREGATE SUBBASE COURSE TYPE E SHALL BE USED BELOW 24 INCHES BELOW FINISHED GRADE.
PG = PROFILE GRADE
℄ = CONSTRUCTION CENTER LINE

8. THE CONTRACTOR SHALL PLACE 4" OF SALVAGED BITUMINOUS PAVEMENT, PROCESSED TO 100% PASSING A 2" SQUARE MESH SIEVE, ON TOP OF THE AGGREGATE SUBBASE COURSE GRAVEL LAYER.

9. THE CONTRACTOR SHALL TREAT THE 4" OF SALVAGED BITUMINOUS PAVEMENT AND 1" OF UNDERLYING GRAVEL WITH EMULSION, BLENDING INTO A HOMOGENOUS LAYER, AS OUTLINED IN STANDARD SPECIFICATION 307 - UNTREATED OR EMULSION TREATED FDR.

10. THE BREAK IN CROSS SLOPE BETWEEN TRAVELWAY AND SHOULDER ALONG US 302 SHALL BE AT 12' OFFSET FROM THE CENTERLINE. THE SUBGRADE SLOPE BREAK IN SUPERELEVATION ALSO OCCURS AT THIS OFFSET.

11. 3:1 BACKSLOPE USED IN LAWN AREAS INSTEAD OF 2:1.

12. USE OF CURB TYPE 3 MOLDS 2 AND 3 ON US ROUTE 302:
-TYPE 3 MOLD 2: STATION 24+50 TO 161+00
-TYPE 3 MOLD 3: ALL OTHER LOCATIONS
SEE CONSTRUCTION NOTES FOR LOCATIONS.

13. BACKSLOPE ROUNDING ACCORDING TO MAINEDOT STANDARD DETAIL 203(03).

14. TYPE D GRAVEL PLACED BELOW 24" FROM FINISH GRADE MAY MEET THE REQUIREMENTS OF TYPE E GRAVEL.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

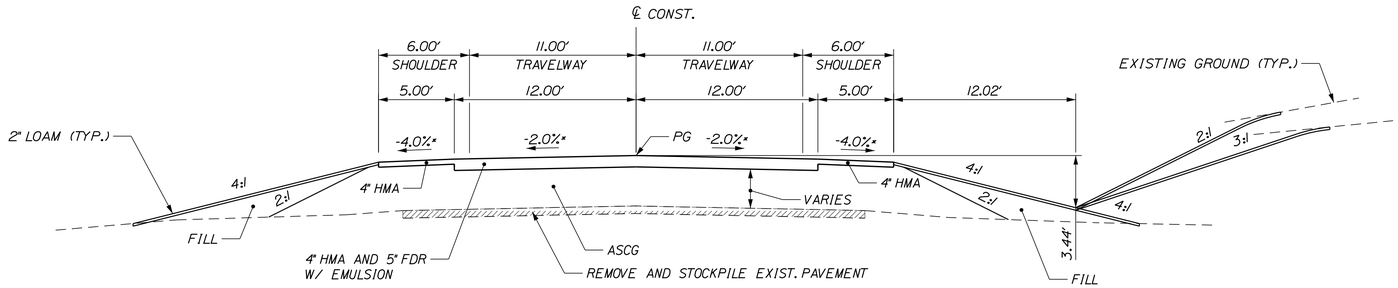
TYPICAL SECTIONS

SHEET NUMBER

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OF 364

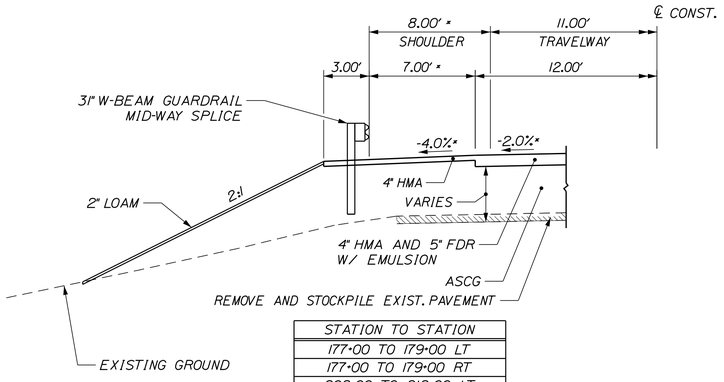
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*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER VARIES/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER VARIES/100 LF
STATION TO STATION		STATION TO STATION
15+00 TO 30+50 LT		15+00 TO 25+10 RT
33+00 TO 36+00 LT		28+00 TO 30+50 RT
233+00 TO 239+50 LT		233+00 TO 239+50 RT
286+00 TO 288+61 LT		286+00 TO 287+01 RT
296+00 TO 296+63 LT		303+74 TO 304+00 RT

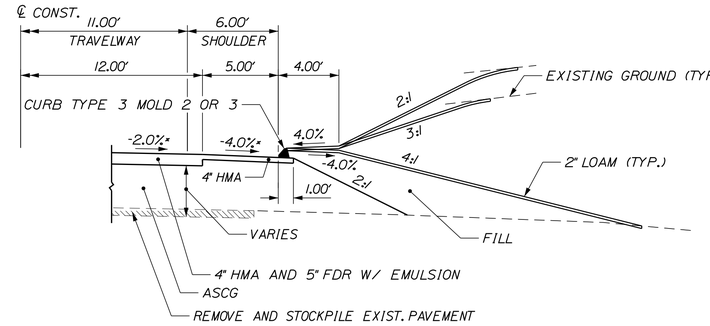
US ROUTE 302
TYPICAL SECTION
VARIABLE DEPTH GRAVEL
OPTION 1 – PG 24" OR MORE ABOVE EXISTING



STATION TO STATION
177+00 TO 179+00 LT
177+00 TO 179+00 RT
208+00 TO 212+00 LT
208+00 TO 212+00 RT
287+01 TO 288+61 RT *
290+22 TO 291+00 LT *
290+22 TO 291+00 RT *
296+00 TO 297+55 RT *
296+63 TO 298+56 LT *
300+18 TO 304+00 LT *
300+18 TO 303+74 RT *

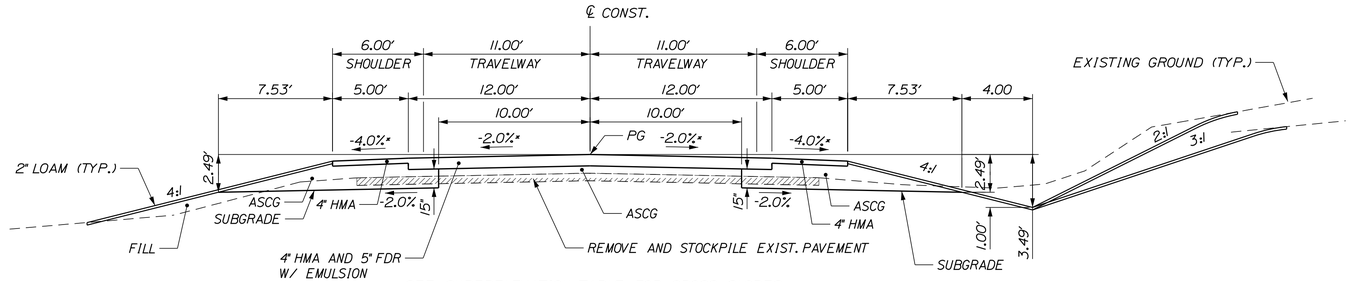
OPTION 1 – GUARDRAIL

* 6' STRIPED SHOULDER
17' FROM CENTERLINE TO FACE OF GUARDRAIL



STATION TO STATION
25+10 TO 28+00 RT
33+00 TO 36+00 RT

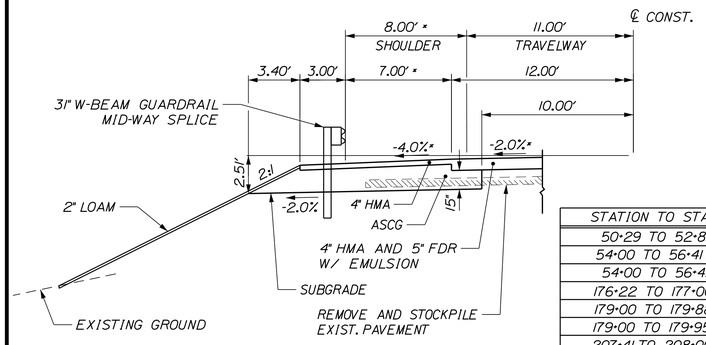
OPTION 1 – CURB TYPE 3



*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER VARIES/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER VARIES/100 LF
STATION TO STATION		STATION TO STATION
12+21 TO 15+00 LT		12+21 TO 15+00 RT
30+50 TO 33+00 LT		30+50 TO 36+00 RT
36+00 TO 37+50 LT		174+50 TO 176+31 RT
48+50 TO 49+00 LT		179+95 TO 184+50 RT
56+41 TO 58+00 LT		200+00 TO 207+41 RT
174+50 TO 176+22 LT		212+27 TO 213+00 RT
179+88 TO 182+00 LT		231+00 TO 233+00 RT
200+00 TO 207+81 LT		278+00 TO 286+00 RT
212+55 TO 213+00 LT		304+00 TO 308+92 RT
231+00 TO 233+00 LT		
278+00 TO 286+00 LT		
292+19 TO 296+00 LT		
308+13 TO 311+11 LT		

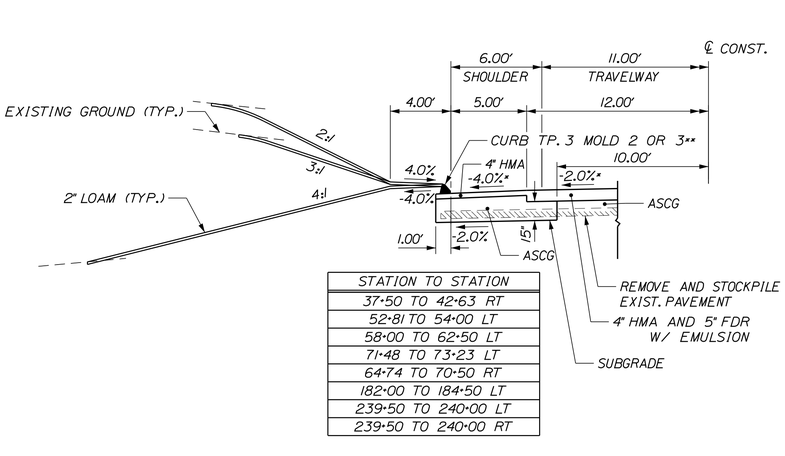
US ROUTE 302
TYPICAL SECTION
VARIABLE DEPTH GRAVEL
OPTION 2 – PG LESS THAN 24" ABOVE EXISTING



STATION TO STATION
50+29 TO 52+81 LT
54+00 TO 56+41 LT *
54+00 TO 56+41 LT
176+22 TO 177+00 LT
179+00 TO 179+88 LT
179+00 TO 179+95 RT
207+41 TO 208+00 RT
207+81 TO 208+00 LT
212+00 TO 212+27 RT
212+00 TO 212+55 LT
291+00 TO 292+19 LT *
291+00 TO 296+00 RT *
304+00 TO 308+13 LT *
308+92 TO 312+82 RT
311+11 TO 312+82 LT

OPTION 2 – GUARDRAIL

* 6' STRIPED SHOULDER
17' FROM CENTERLINE TO FACE OF GUARDRAIL



STATION TO STATION
37+50 TO 42+63 RT
52+81 TO 54+00 LT
58+00 TO 62+50 LT
71+48 TO 73+23 LT
64+74 TO 70+50 RT
182+00 TO 184+50 LT
239+50 TO 240+00 LT
239+50 TO 240+00 RT

**CURB TYPE 1, STA. 72+79 LT TO 73+50 LT

OPTION 2 – CURB TYPE 3

SCALE OF FEET

5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

BY	DATE	SIGNATURE
R. CARRELL		
M. DEBOWSKI		P.E. NUMBER
PROJ. MANAGER		
DESIGN-DETAILED		DATE
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

FRYEBURG
US ROUTE 302

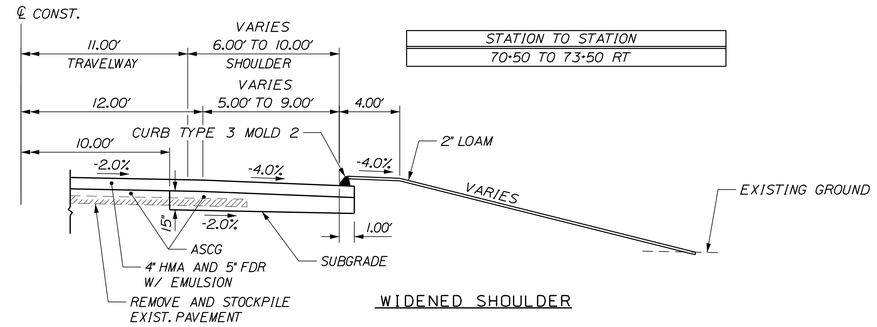
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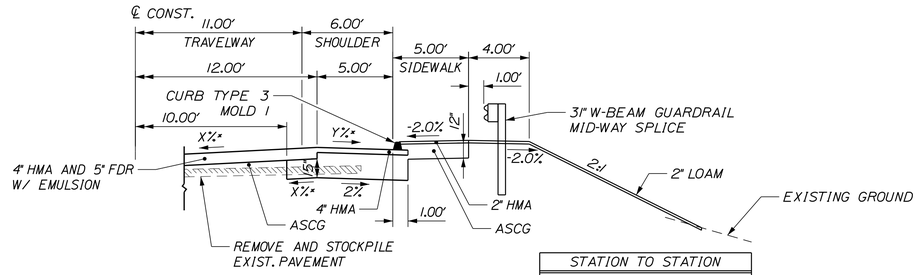
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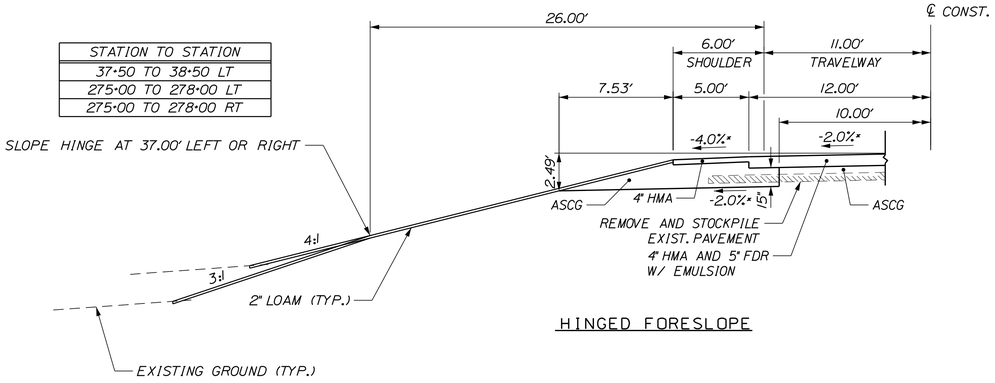
STATION TO STATION
70+50 TO 73+50 RT

WIDENED SHOULDER



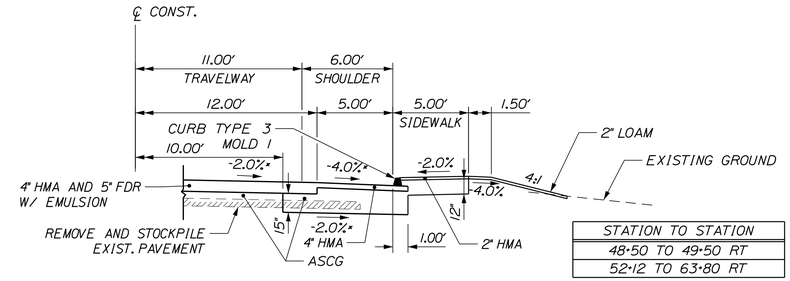
STATION TO STATION
50+46 TO 52+12 RT

CURB TYPE 3 WITH
SIDEWALK AND GUARDRAIL



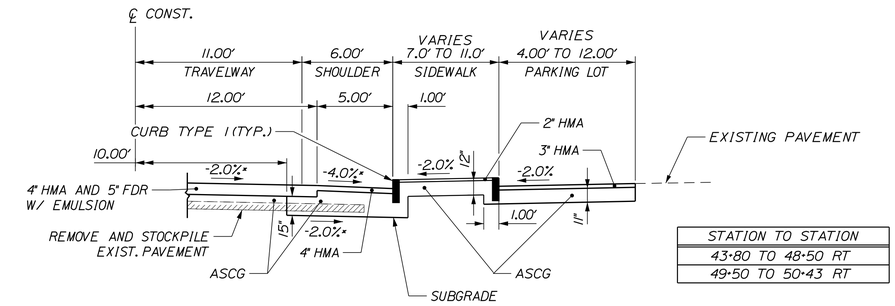
STATION TO STATION
37+50 TO 38+50 LT
275+00 TO 278+00 LT
275+00 TO 278+00 RT

HINGED FORESLOPE



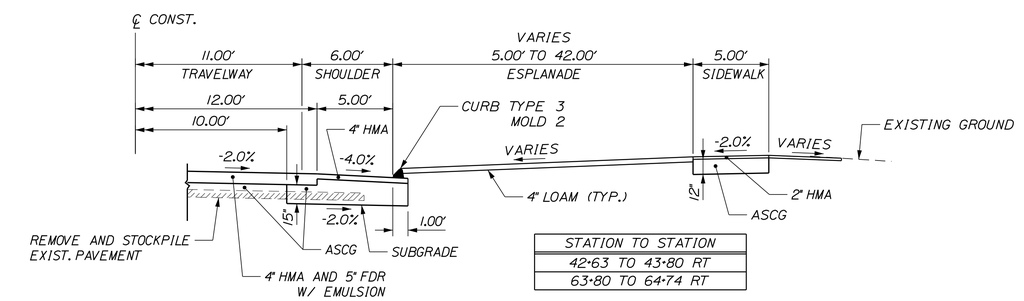
STATION TO STATION
48+50 TO 49+50 RT
52+12 TO 63+80 RT

CURB TYPE 3
WITH SIDEWALK



STATION TO STATION
43+80 TO 48+50 RT
49+50 TO 50+43 RT

CURB TYPE 1 WITH
SIDEWALK AND BACKCURB



STATION TO STATION
42+63 TO 43+80 RT
63+80 TO 64+74 RT

CURB TYPE 3 WITH
ESPLANADE AND SIDEWALK

US ROUTE 302
TYPICAL SECTIONS
VARIABLE DEPTH GRAVEL

SCALE OF FEET

5 0 5 10

*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

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US ROUTE 302

TYPICAL SECTIONS

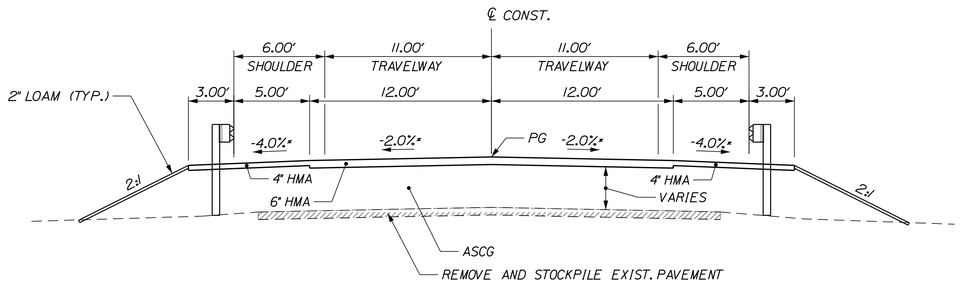
SHEET NUMBER

4

OF 364

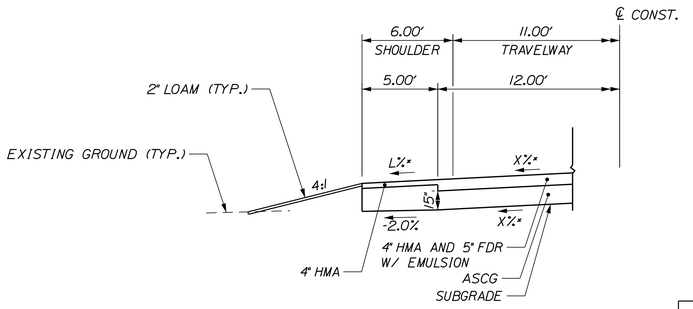
VARIABLE DEPTH GRAVEL

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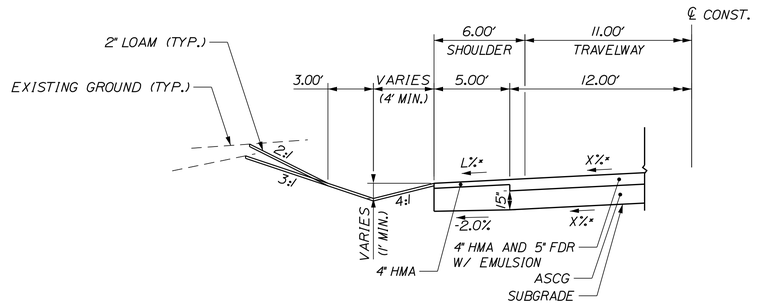
US ROUTE 302
BRIDGE APPROACH TYPICAL SECTIONS

STATION TO STATION
288+61 TO 288+92.35 LT/RT
289+89.65 TO 290+22 LT/RT
298+56 TO 298+88.55 LT
299+85.44 to 300+18 LT/RT



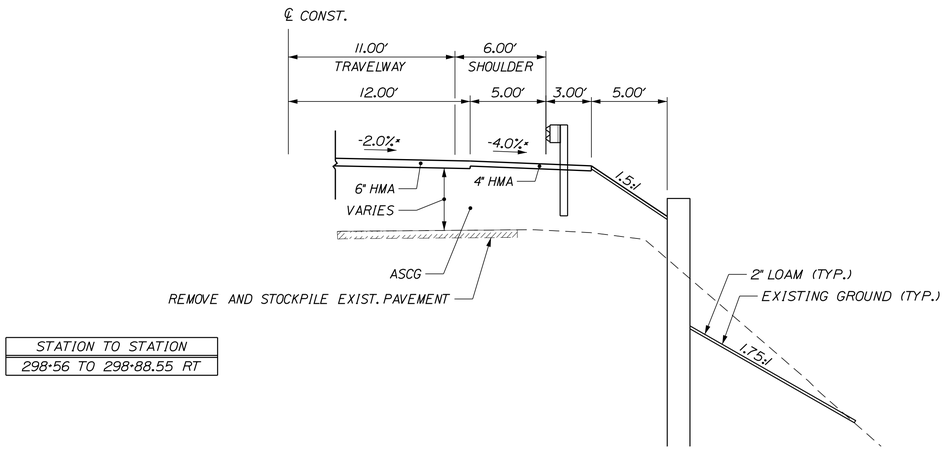
4:1 FORESLOPE

STATION TO STATION
38+50 TO 47+30 LT

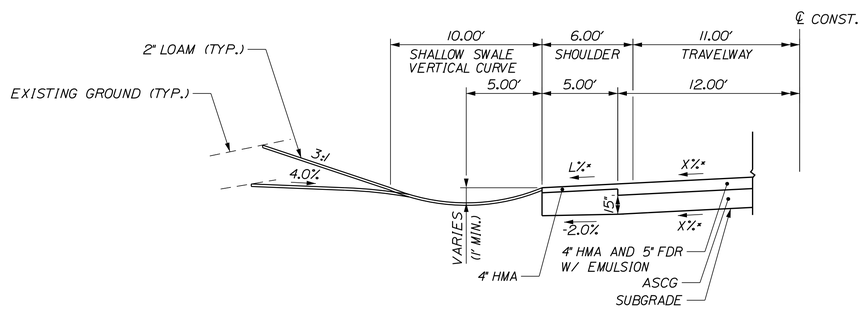


"V" SWALE

STATION TO STATION
36+00 TO 36+50 RT
49+00 TO 50+29 LT
62+50 TO 67+50 LT



STATION TO STATION
298+56 TO 298+88.55 RT



ROUNDED SWALE

STATION TO STATION
36+50 TO 37+50 RT
47+30 TO 48+50 LT
67+50 TO 71+48 LT

US ROUTE 302
TYPICAL SECTIONS
VARIABLE DEPTH GRAVEL

*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

SCALE OF FEET
5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

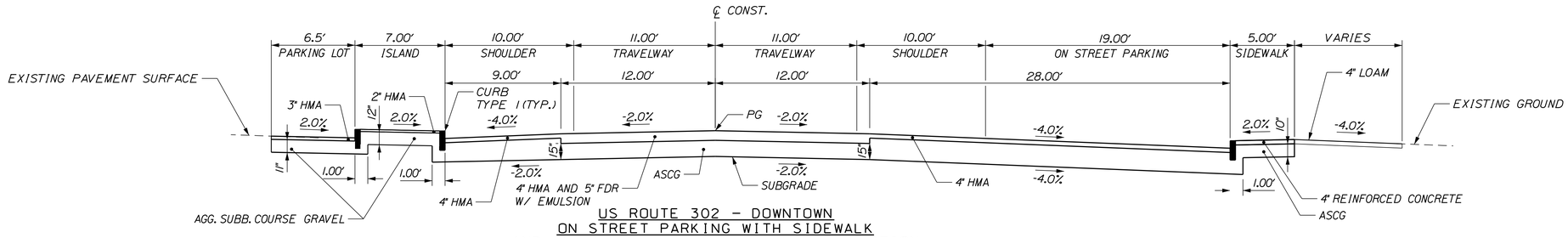
FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER
5
OF 364

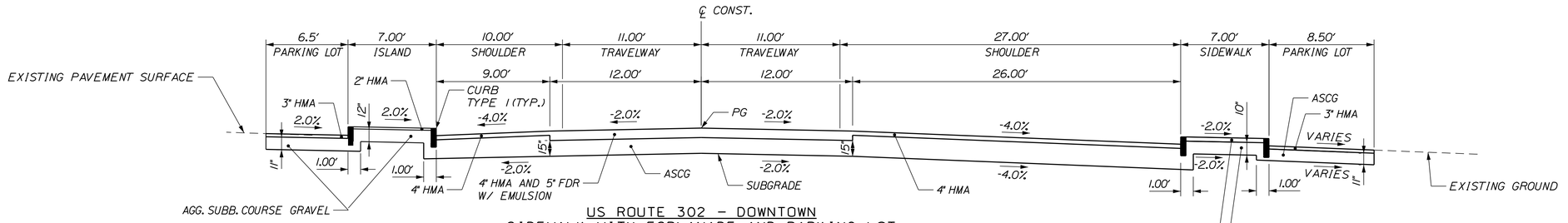
Filename: ...\MSTA\005_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

VARIABLE DEPTH GRAVEL



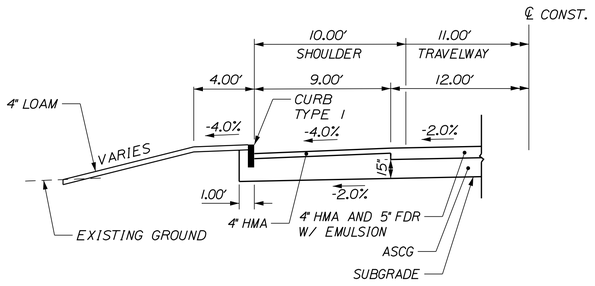
US ROUTE 302 – DOWNTOWN
ON STREET PARKING WITH SIDEWALK
AND ISLAND WITH BACKCURB TYPICAL SECTION

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 56.67 CY/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER 144.23 CY/100 LF
STATION TO STATION		STATION TO STATION
75+60 TO 76+98 LT		75+60 TO 76+98 RT



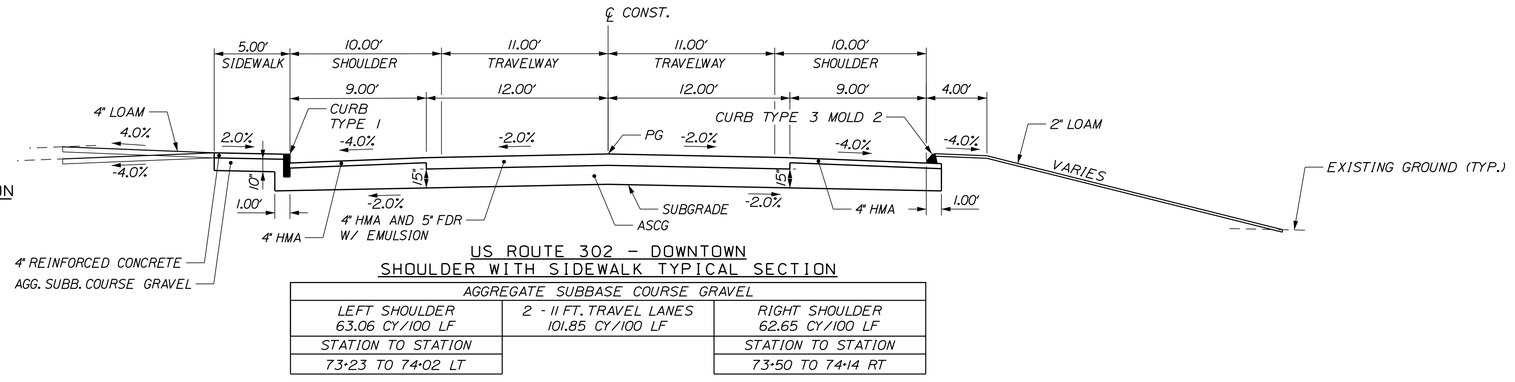
US ROUTE 302 – DOWNTOWN
SIDEWALK WITH ESPLANADE AND PARKING LOT
AND ISLAND WITH BACKCURB TYPICAL SECTION

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 56.67 CY/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER 56.67 CY/100 LF
STATION TO STATION		STATION TO STATION
74+14 TO 75+60 LT		74+14 TO 75+60 RT



AGGREGATE SUBBASE COURSE GRAVEL
LEFT SHOULDER 63.06 CY/100 LF
STATION TO STATION
74+02 TO 74+14 LT

US ROUTE 302 – DOWNTOWN
SHOULDER WITH CURB TYPICAL SECTION



US ROUTE 302 – DOWNTOWN
SHOULDER WITH SIDEWALK TYPICAL SECTION

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 63.06 CY/100 LF	2 - 11 FT. TRAVEL LANES 101.85 CY/100 LF	RIGHT SHOULDER 62.65 CY/100 LF
STATION TO STATION		STATION TO STATION
73+23 TO 74+02 LT		73+50 TO 74+14 RT

SCALE OF FEET

5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER

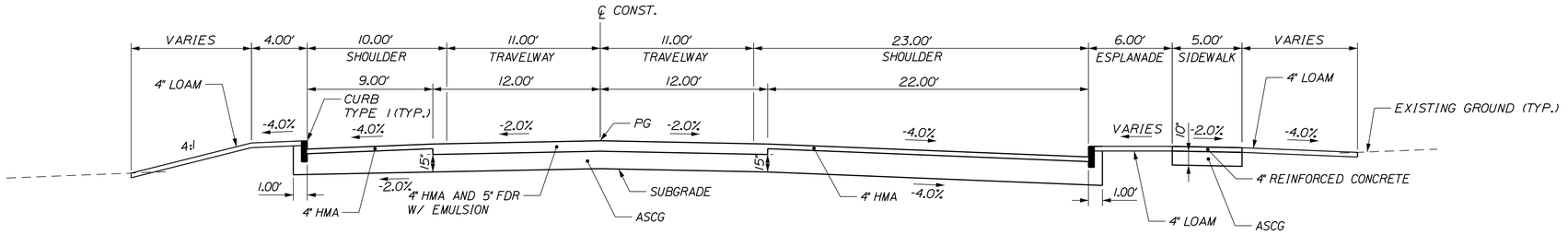
6

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FULL DEPTH RECONSTRUCTION

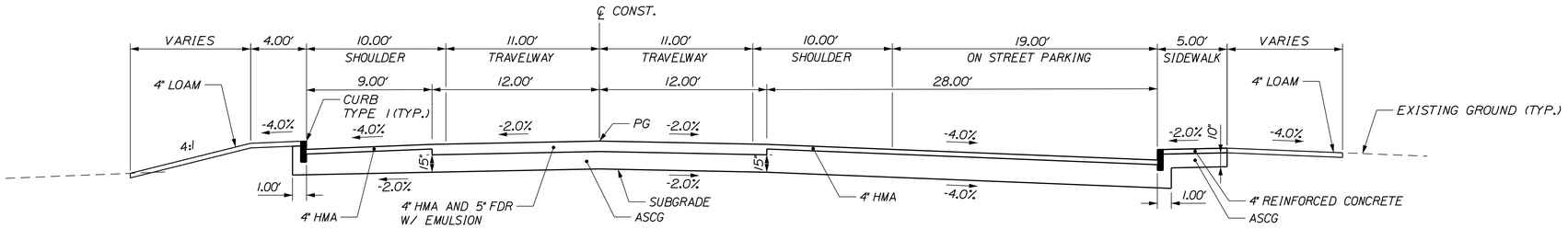
Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\006_Typical_Sections.dgn Division: HIGHWAY



AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 63.05 CY/100 LF	2 - 11 FT. TRAVEL LANES 101.85 CY/100 LF	RIGHT SHOULDER 153.85 CY/100 LF
STATION TO STATION		STATION TO STATION
78+84 to 79+00 LT		78+84 TO 79+00 RT

US ROUTE 302 - DOWNTOWN
WIDE SHOULDER WITH RIGHT SIDEWALK
AND ESPLANADE TYPICAL SECTION



AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 63.06 CY/100 LF	2 - 11 FT. TRAVEL LANES 101.85 CY/100 LF	RIGHT SHOULDER 182.29 CY/100 LF
STATION TO STATION		STATION TO STATION
76+98 TO 78+84 LT		76+98 TO 78+84 RT

US ROUTE 302 - DOWNTOWN SIDEWALKS
WITH ON STREET PARKING TYPICAL SECTION

SCALE OF FEET

5 0 5 10

FULL DEPTH RECONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER

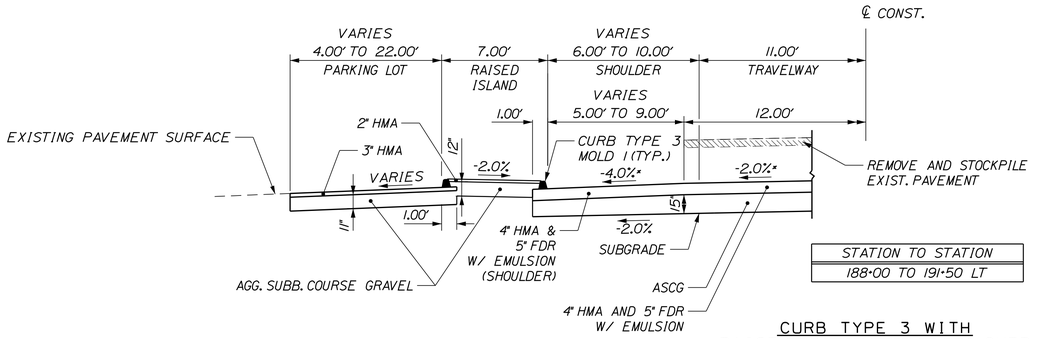
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OF 364

Username: mdebowski Date:12/10/2018

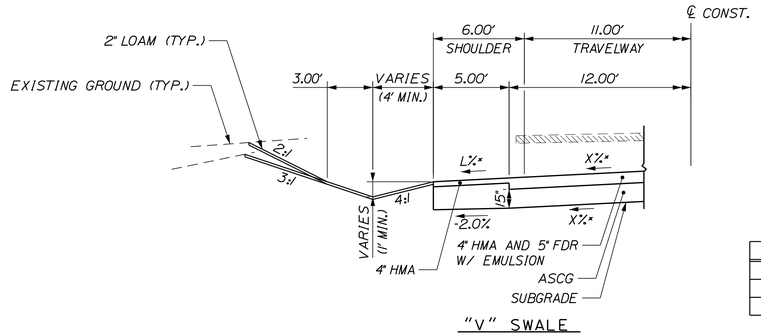
Division: HIGHWAY

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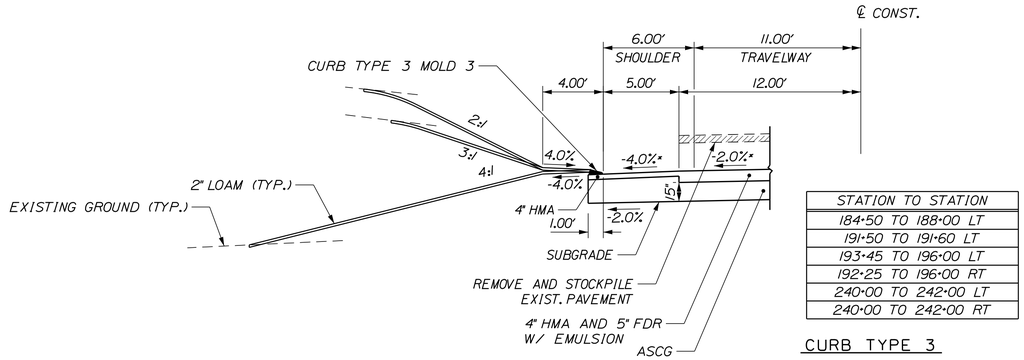
STATION TO STATION
188+00 TO 191+50 LT

CURB TYPE 3 WITH
RAISED ISLAND AND BACKCURB



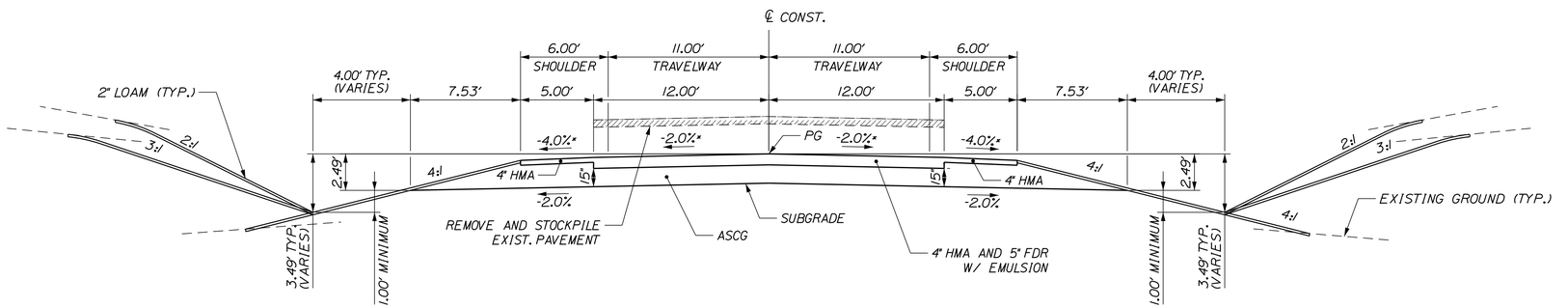
STATION TO STATION
191+60 TO 193+45 LT
242+00 TO 245+50 LT
242+00 TO 245+50 RT

"V" SWALE



STATION TO STATION
184+50 TO 188+00 LT
191+50 TO 191+60 LT
193+45 TO 196+00 LT
192+25 TO 196+00 RT
240+00 TO 242+00 LT
240+00 TO 242+00 RT

CURB TYPE 3



*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER VARIES CY/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER VARIES CY/100 LF
STATION TO STATION		STATION TO STATION
196+00 TO 200+00 LT		184+50 TO 192+25 RT
		196+00 TO 200+00 RT

US ROUTE 302
RECONSTRUCTION TYPICAL SECTIONS

SCALE OF FEET

5 0 5 10

FULL DEPTH RECONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

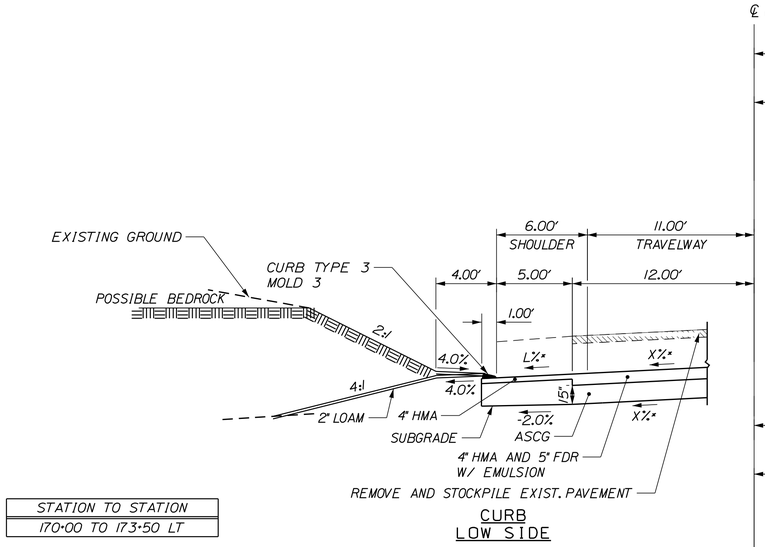
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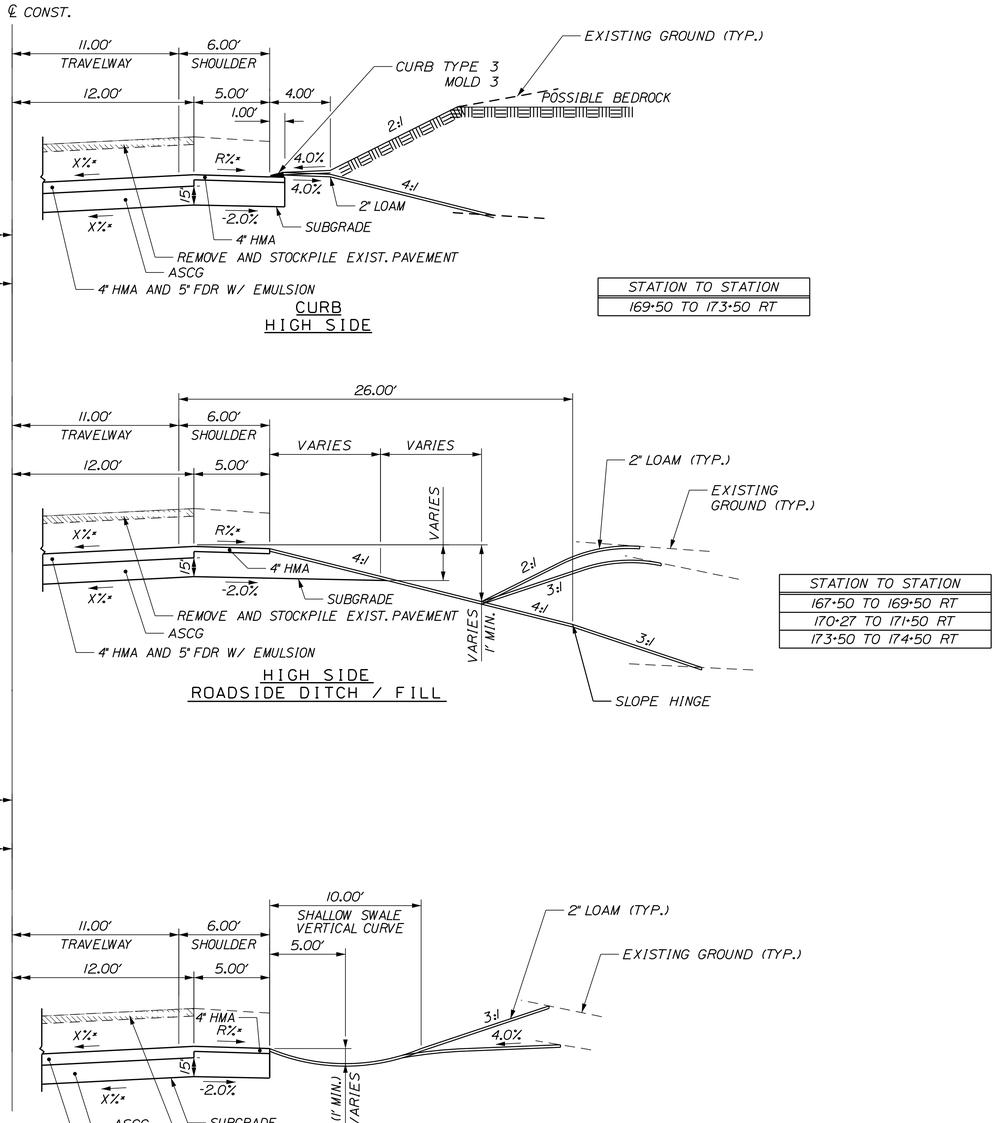
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Filename: ...\MSTA\009_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATION TO STATION
170+00 TO 173+50 LT

CURB
LOW SIDE

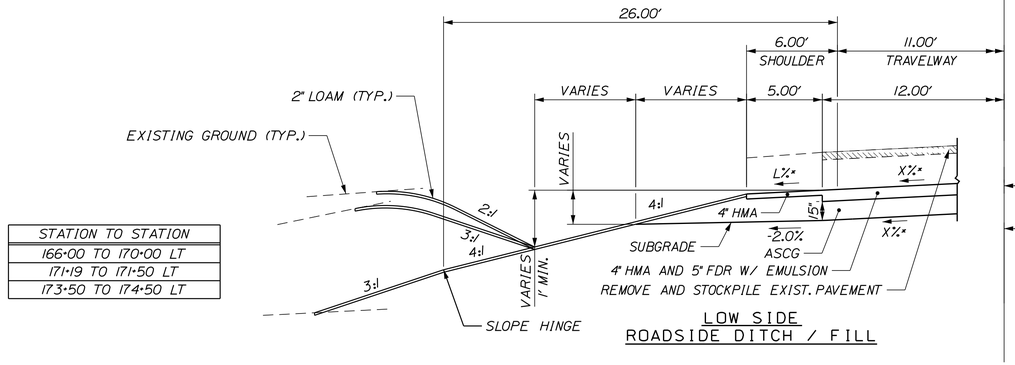


STATION TO STATION
169+50 TO 173+50 RT

CURB
HIGH SIDE

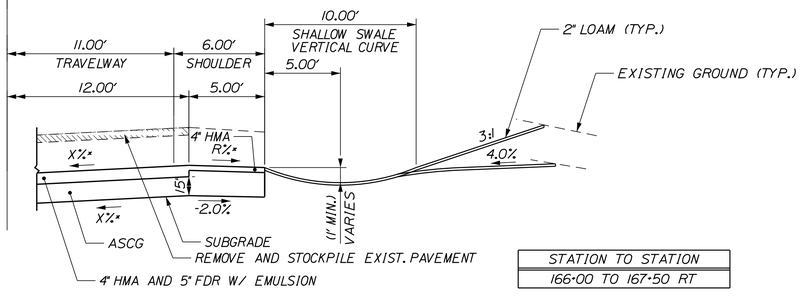
STATION TO STATION
167+50 TO 169+50 RT
170+27 TO 171+50 RT
173+50 TO 174+50 RT

HIGH SIDE
ROADSIDE DITCH / FILL



STATION TO STATION
166+00 TO 170+00 LT
171+19 TO 171+50 LT
173+50 TO 174+50 LT

LOW SIDE
ROADSIDE DITCH / FILL



STATION TO STATION
166+00 TO 167+50 RT

CURB TYPE 3

SCALE OF FEET

5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	
DESIGN2-DETAILED2	-----	
DESIGN3-DETAILED3	-----	
REVISIONS 1	-----	
REVISIONS 2	-----	
REVISIONS 3	-----	
REVISIONS 4	-----	
FIELD CHANGES	-----	

SIGNATURE

P.E. NUMBER

DATE

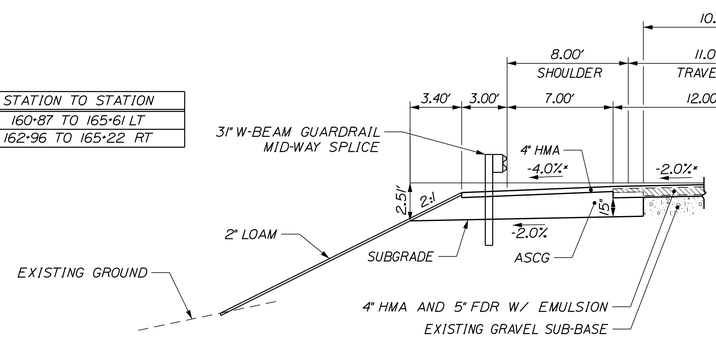
FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER

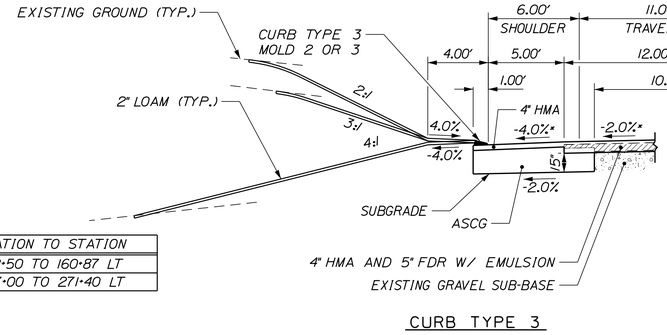
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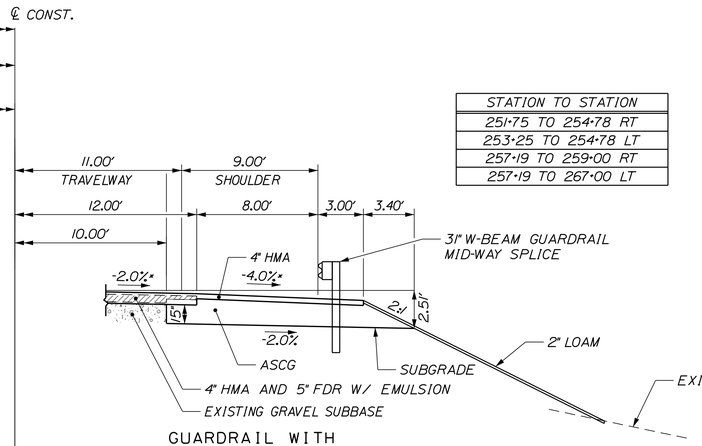
GUARDRAIL

STATION TO STATION
160+87 TO 165+61 LT
162+96 TO 165+22 RT



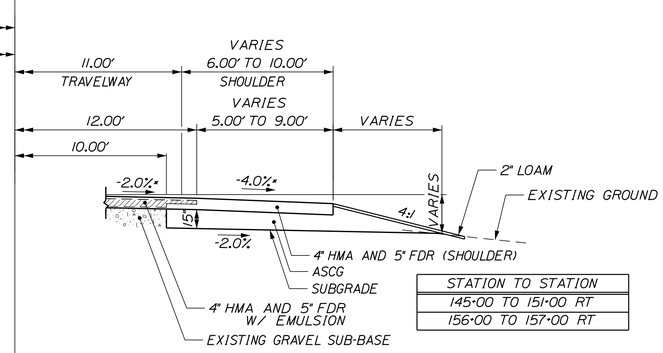
CURB TYPE 3

STATION TO STATION
152+50 TO 160+87 LT
267+00 TO 271+40 LT



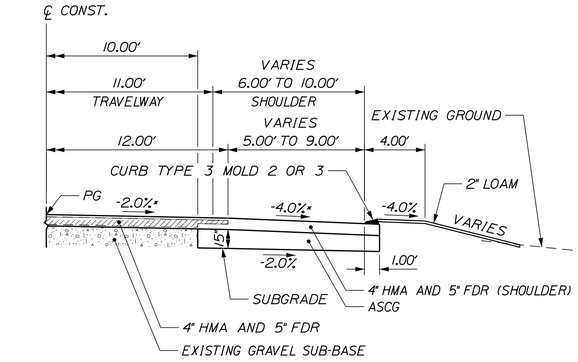
GUARDRAIL WITH
WIDENED SHOULDER

STATION TO STATION
251+75 TO 254+78 RT
253+25 TO 254+78 LT
257+19 TO 259+00 RT
257+19 TO 267+00 LT



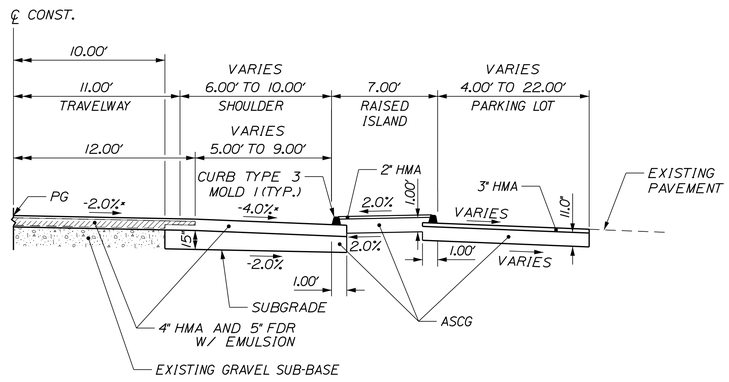
WIDENED SHOULDER

STATION TO STATION
145+00 TO 151+00 RT
156+00 TO 157+00 RT



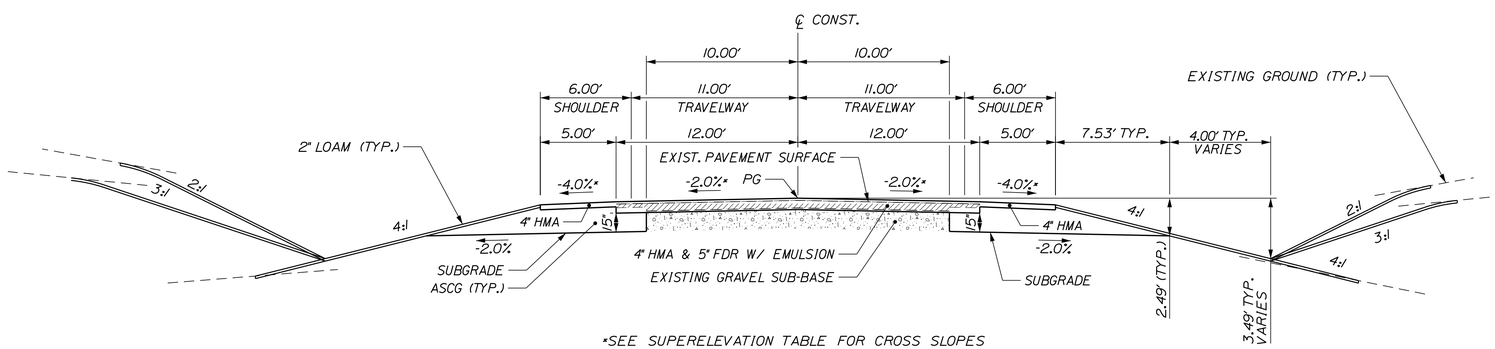
CURB TYPE 3 WITH
WIDENED SHOULDER

STATION TO STATION
151+00 TO 152+53 RT
154+36 TO 156+00 RT



STATION TO STATION
152+53 TO 154+36 RT

CURB TYPE 3 WITH RAISED
ISLAND AND BACKCURB



*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

SCALE OF FEET

5 0 5 10

AGGREGATE SUBBASE COURSE GRAVEL		
LEFT SHOULDER 54.12 CY/100 LF	2 - 11 FT. TRAVEL LANES VARIES/100 LF	RIGHT SHOULDER 54.12 CY/100 LF
STATION TO STATION		STATION TO STATION
144+50 TO 152+50 LT		144+50 TO 145+00 RT
165+61 TO 166+00 LT		157+00 TO 162+96 RT
213+00 TO 231+00 LT		213+00 TO 231+00 RT
245+70 TO 247+70 LT		259+00 TO 275+00 RT
252+00 TO 253+25 LT		
266+87 TO 271+40 LT		

US ROUTE 302
TYPICAL SECTION

NO WORK PROPOSED ON SACO RIVER BRIDGE
FROM STA. 254+78 TO 257+19

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

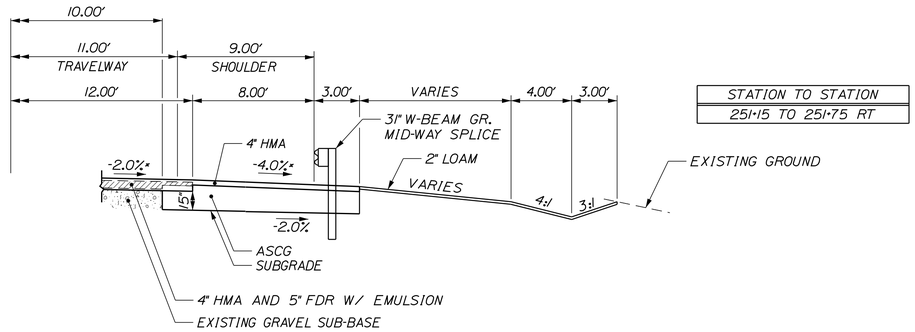
SHEET NUMBER

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OF 364

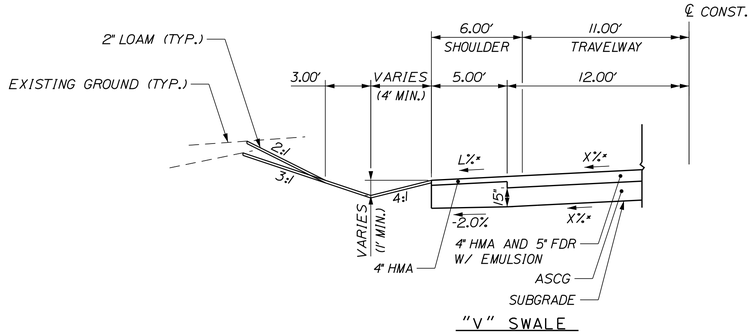
IN-PLACE FDR WITH EMULSION & BOX WIDENING

Filename: ...\MSTA\010_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



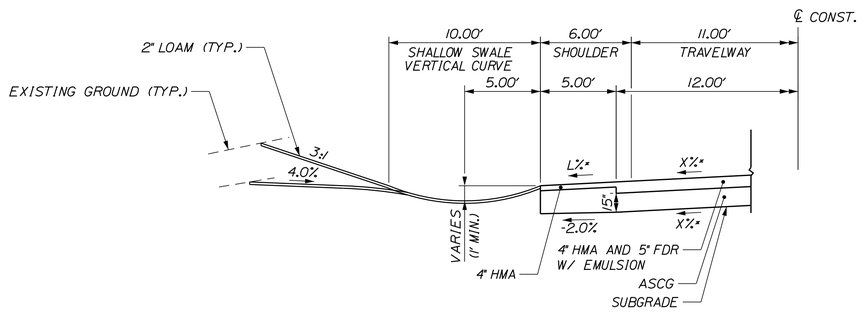
STATION TO STATION
251+15 TO 251+75 RT

GUARDRAIL WITH WIDENED SHOULDER
WITH "V" SWALE



STATION TO STATION
245+50 TO 245+70 LT
247+70 TO 252+00 LT
245+50 TO 251+15 RT

"V" SWALE

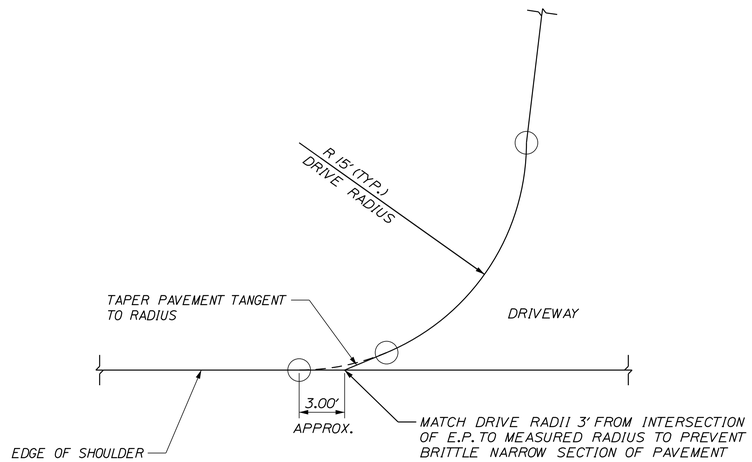


STATION TO STATION
165+22 TO 166+00

ROUNDED SWALE

US ROUTE 302
TYPICAL SECTIONS
IN-PLACE FDR WITH EMULSION & BOX WIDENING

*SEE SUPERELEVATION TABLE FOR CROSS SLOPES



UNCURBED DRIVEWAY RADIUS DETAIL
N.T.S.

SCALE OF FEET
5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

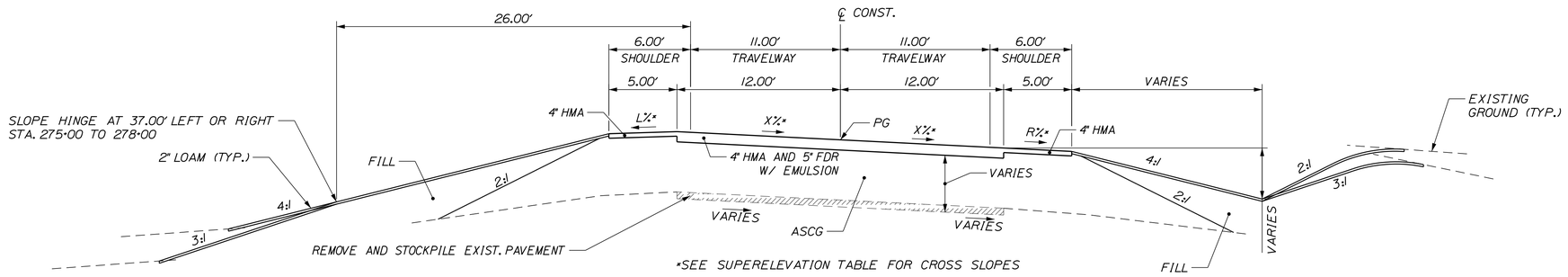
PROJ. MANAGER	R. CARRELL		DATE
DESIGN-DETAILED	M. DEBOWSKI	-----	-----
CHECKED-REVIEWED	-----	-----	SIGNATURE
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	P.E. NUMBER
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	DATE
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

FRYEBURG
US ROUTE 302

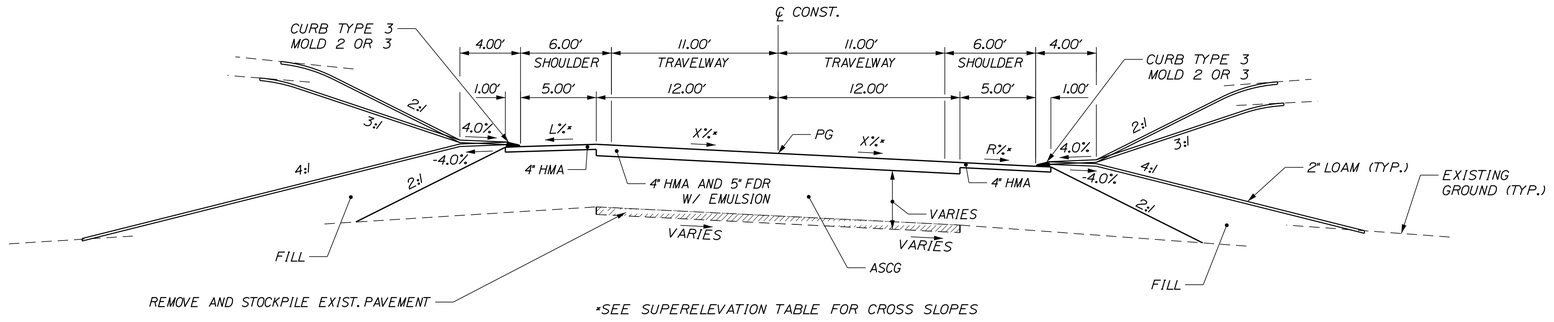
TYPICAL SECTIONS

SHEET NUMBER
11
OF 364

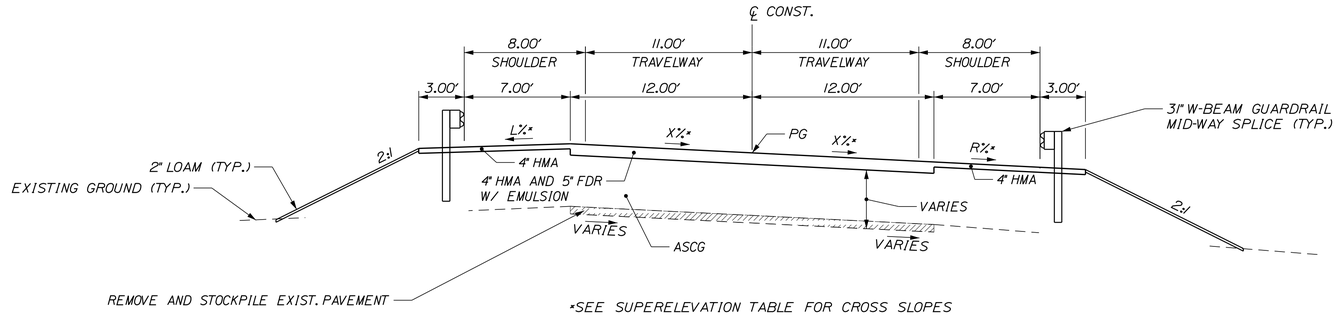
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US ROUTE 302
SUPERELEVATED
VARIABLE DEPTH GRAVEL OPTION 1 DETAIL



US ROUTE 302
SUPERELEVATED CURBED
VARIABLE DEPTH GRAVEL OPTION 1 DETAIL



US ROUTE 302
SUPERELEVATED GUARDRAIL
VARIABLE DEPTH GRAVEL OPTION 1 DETAIL

SCALE OF FEET

5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	-----
DESIGN-DETAILED	M. DEBOWSKI	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

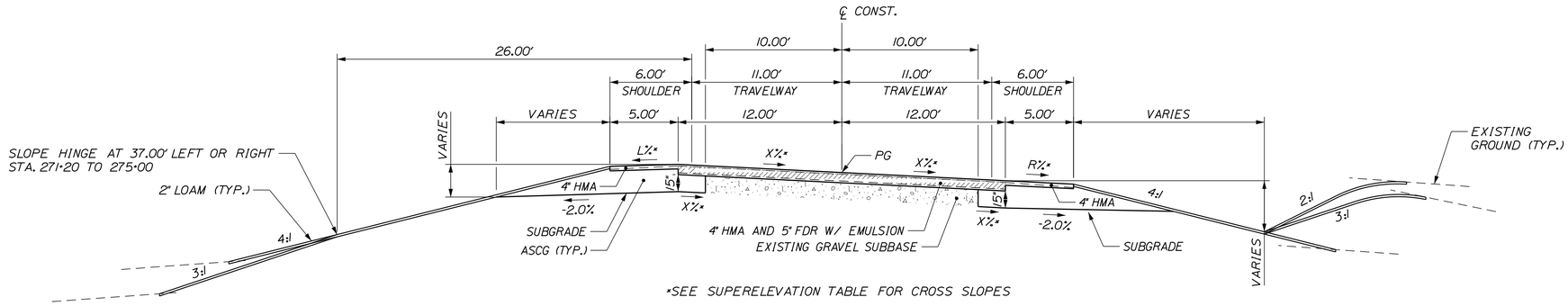
DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

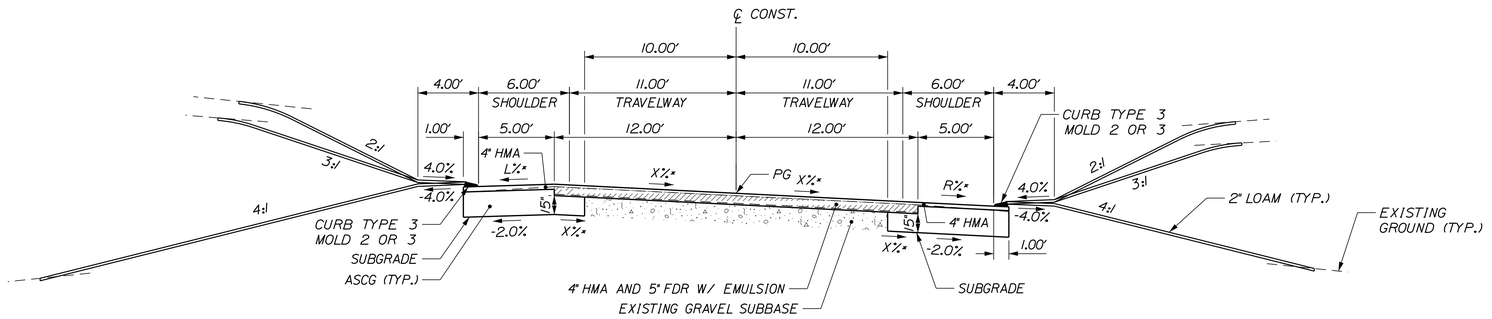
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OF 364

Filename: ...\MSTA\012_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



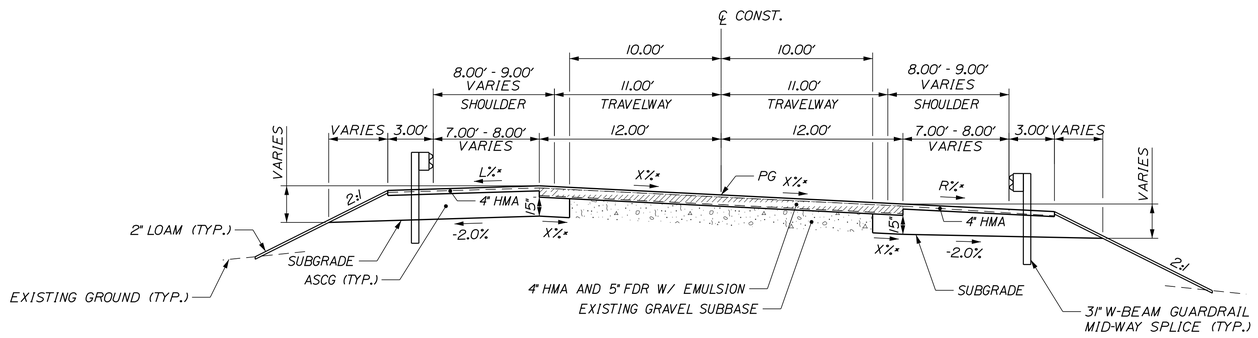
*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

US ROUTE 302
BOX WIDENING WITH IN-PLACE FDR &
VARIABLE DEPTH GRAVEL OPTION 2
SUPERELEVATED DETAIL



*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

US ROUTE 302
BOX WIDENING WITH IN-PLACE FDR &
VARIABLE DEPTH GRAVEL OPTION 2
SUPERELEVATED CURBED DETAIL



*SEE SUPERELEVATION TABLE FOR CROSS SLOPES

US ROUTE 302
BOX WIDENING WITH IN-PLACE FDR &
VARIABLE DEPTH GRAVEL OPTION 2
SUPERELEVATED GUARDRAIL DETAIL

SCALE OF FEET

5 0 5 10

SUPERELEVATED TYPICAL SECTION DETAILS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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FRYEBURG
US ROUTE 302

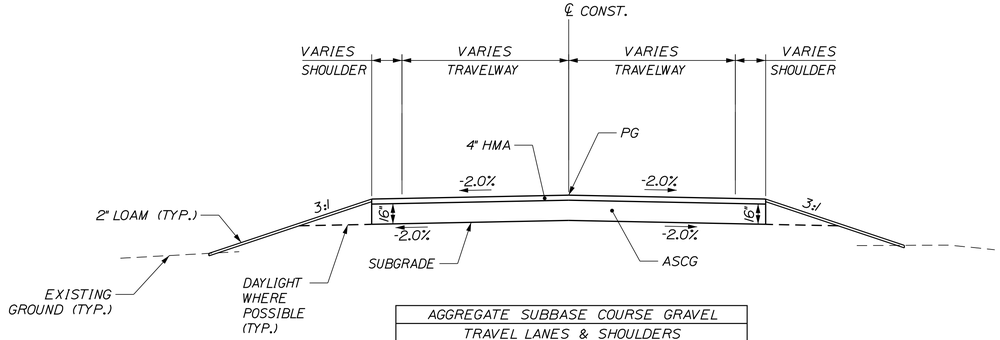
TYPICAL SECTIONS

SHEET NUMBER

13

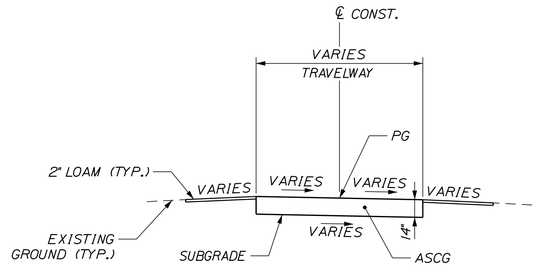
OF 364

Filename: ...\MSTA\013_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



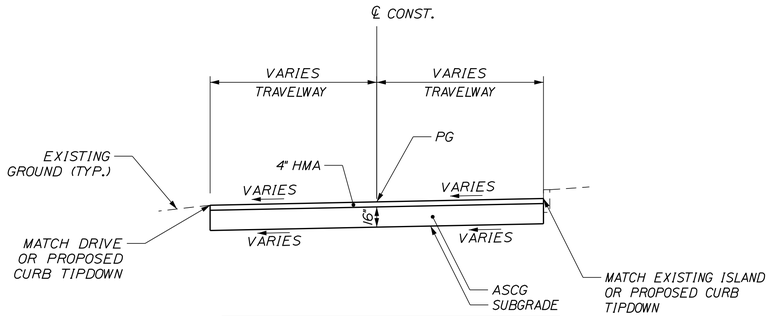
AGGREGATE SUBBASE COURSE GRAVEL	
TRAVEL LANES & SHOULDERS VARIES /100 LF	
SIDE ROAD	STATION TO STATION
HALEYTOWN ROAD	610+00 TO 610+84
MENOTOMY ROAD	671+50 TO 671+78
BATTLEGROUND ROAD	681+25 TO 681+61
SERENITY LANE	690+51 TO 690+82

SIDE ROADS
TYPICAL SECTION



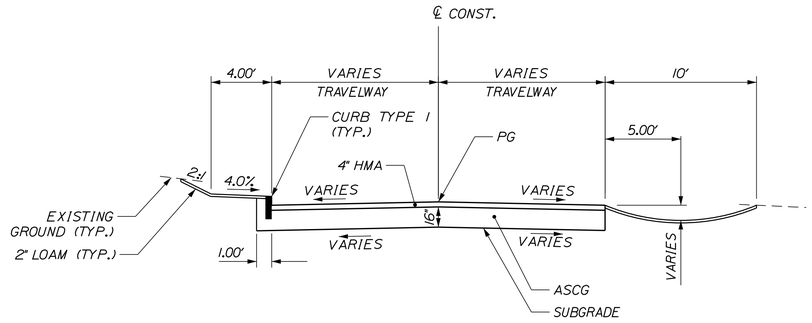
AGGREGATE SUBBASE COURSE GRAVEL	
TRAVEL LANES & SHOULDERS VARIES /100 LF	
SIDE ROAD	STATION TO STATION
OXFORD LANE	720+21 TO 722+91

SIDE ROADS
GRAVEL TYPICAL SECTION



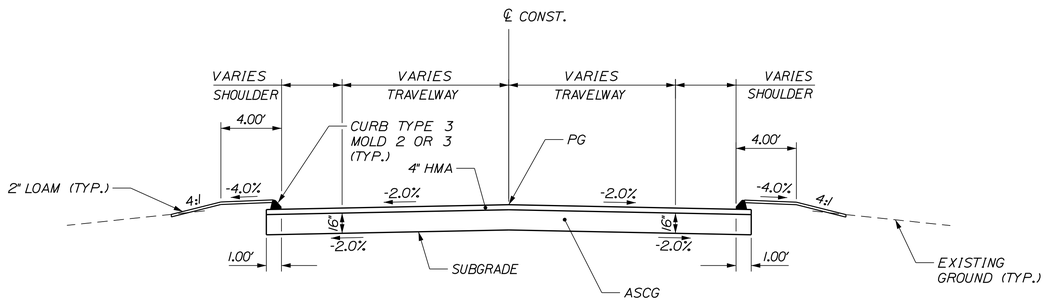
AGGREGATE SUBBASE COURSE GRAVEL	
TRAVEL LANES & SHOULDERS VARIES /100 LF	
SIDE ROAD	STATION TO STATION
DRIFT ROAD	710+90 TO 711+05

SIDE ROADS
CURBED WITH ISLANDS
TYPICAL SECTION



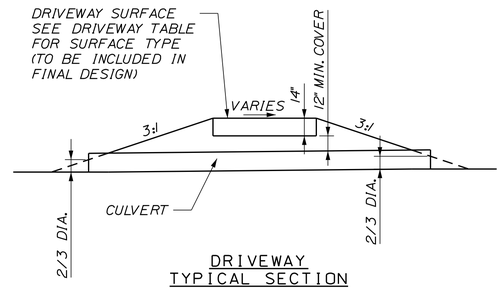
AGGREGATE SUBBASE COURSE GRAVEL	
TRAVEL LANES & SHOULDERS VARIES /100 LF	
SIDE ROAD	STATION TO STATION
RIVER STREET	649+75 TO 650+80

SIDE ROADS
CURBED WITH SHALLOW SWALE
TYPICAL SECTION



AGGREGATE SUBBASE COURSE GRAVEL	
TRAVEL LANES & SHOULDERS VARIES /100 LF	
SIDE ROAD	STATION TO STATION
MAPLE STREET	620+50 TO 620+87
DANA STREET	640+50 TO 640+84

SIDE ROADS
CURBED TYPICAL SECTION



DRIVEWAY
TYPICAL SECTION

SCALE OF FEET

5 0 5 10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER

14

OF 364

SIDE ROAD, DRIVEWAY, AND DITCH TREATMENT TYPICAL SECTION DETAILS

Filename: ...\MSTA\014_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

US ROUTE 302 – SUPERELEVATION TABLE				
LT. SHOULDER	TRAVELWAY	STATION	TRAVELWAY	RT. SHOULDER
-4.0	-2.0	12+20.62	-2.0	-4.0
		TO		
-4.0	-2.0	46+50	-2.0	-4.0
-4.0	-2.0	47+00	-0.5	-4.0
-4.0	-2.0	47+18.97	0.0	-4.0
-4.0	-2.0	47+50	0.9	-4.0
-4.0	-2.0	47+87.93	2.0	-4.0
-4.0	-2.4	48+00	2.4	-3.6
-4.0	-3.8	48+50	3.8	-2.2
		TO		
-4.0	-3.8	52+00	3.8	-2.2
-4.0	-2.4	52+50	2.4	-3.6
-4.0	-2.0	52+62.07	2.0	-4.0
-4.0	-2.0	53+00	0.9	-4.0
-4.0	-2.0	53+31.03	0.0	-4.0
-4.0	-2.0	53+50	-0.5	-4.0
-4.0	-2.0	54+00	-2.0	-4.0
		TO		
-4.0	-2.0	57+00	-2.0	-4.0
-4.0	-0.7	57+50	-2.0	-4.0
-4.0	0.0	57+75.47	-2.0	-4.0
-4.0	0.7	58+00	-2.0	-4.0
-4.0	2.0	58+50	-2.0	-4.0
-4.0	2.0	58+50.94	-2.0	-4.0
-2.7	3.3	59+00	-3.3	-4.0
		TO		
-2.7	3.3	63+00	-3.3	-4.0
-4.0	2.0	63+49.06	-2.0	-4.0
-4.0	2.0	63+50	-2.0	-4.0
-4.0	0.7	64+00	-2.0	-4.0
-4.0	0.0	64+24.53	-2.0	-4.0
-4.0	-0.7	64+50	-2.0	-4.0
-4.0	-2.0	65+00	-2.0	-4.0
		TO		
-4.0	-2.0	165+00	-2.0	-4.0
-4.0	-2.0	165+50	-0.5	-4.0
-4.0	-2.0	165+67.80	0.0	-4.0
-4.0	-2.0	166+00	0.9	-4.0
-4.0	-2.0	166+35.59	2.0	-4.0
-4.0	-2.4	166+50	2.4	-3.6
-4.0	-3.9	167+00	3.9	-2.1
		TO		
-4.0	-3.9	171+50	3.9	-2.1
-4.0	-3.2	172+00	3.2	-2.8
-4.0	-2.6	172+50	2.6	-3.4
-4.0	-2.0	172+93.94	2.0	-4.0
-4.0	-1.9	173+00	1.9	-4.0
-4.0	-1.3	173+50	1.3	-4.0
-4.0	-0.6	174+00	0.6	-4.0
-4.0	0.1	174+50	-0.1	-4.0
-4.0	0.7	175+00	-0.7	-4.0
-4.0	1.4	175+50	-1.4	-4.0
-4.0	2.0	175+96.97	-2.0	-4.0
-4.0	2.0	176+00	-2.0	-4.0

US ROUTE 302 – SUPERELEVATION TABLE				
LT. SHOULDER	TRAVELWAY	STATION	TRAVELWAY	RT. SHOULDER
-3.3	2.7	176+50	-2.7	-4.0
		TO		
-3.3	2.7	178+50	-2.7	-4.0
-4.0	2.0	178+79.79	-2.0	-4.0
-4.0	1.5	179+00	-2.0	-4.0
-4.0	0.3	179+50	-2.0	-4.0
-4.0	0.0	179+64.89	-2.0	-4.0
-4.0	-0.8	180+00	-2.0	-4.0
-4.0	-2.0	180+50	-2.0	-4.0
		TO		
-4.0	-2.0	254+50	-2.0	-4.0
-4.0	-2.6	254+78	-2.5	-4.0
		BRIDGE		
-4.0	-2.1	257+20	-2.6	-4.0
-4.0	-2.0	257+50	-2.0	-4.0
		TO		
-4.0	-2.0	262+50	-2.0	-4.0
-4.0	-0.2	263+00	-2.0	-4.0
-4.0	0.0	263+06.34	-2.0	-4.0
-4.0	1.5	263+50	-2.0	-4.0
-4.0	2.0	263+62.68	-2.0	-4.0
-2.7	3.3	264+00	-3.3	-4.0
-2.0	4.0	264+19.01	-4.0	-4.0
-2.0	5.1	264+50	-5.1	-5.1
		TO		
-2.0	5.1	274+50	-5.1	-5.1
-2.0	4.0	274+94	-4.0	-4.0
-2.1	3.9	275+00	-3.9	-4.0
-3.4	2.6	275+50	-2.6	-4.0
-4.0	2.0	275+74	-2.0	-4.0
-4.0	1.4	276+00	-1.4	-4.0
-4.0	0.1	276+50	-0.1	-4.0
-4.0	-1.2	277+00	1.2	-4.0
-4.0	-2.4	277+50	2.4	-3.6
-4.0	-3.7	278+00	3.7	-2.3
-4.0	-4.0	278+14	4.0	-2.0
-4.9	-4.9	278+50	4.9	-2.0
		TO		
-4.9	-4.9	287+50	4.9	-2.0
-4.0	-4.0	287+82.76	4.0	-2.0
-4.0	-3.5	288+00	3.5	-2.5
-4.0	-2.0	288+50	2.0	-4.0
-2.0	-2.0	289+00	2.0	2.0
		TO		
-2.0	-2.0	290+00	2.0	2.0
-4.0	-2.0	290+50	2.0	-4.0
-4.0	-0.2	291+00	0.2	-4.0
-4.0	1.6	291+50	-1.6	-4.0
-4.0	2.0	291+61.11	-2.0	-4.0
-2.6	3.4	292+00	-3.4	-4.0
		TO		
-2.6	3.4	295+00	-3.4	-4.0
-4.0	2.0	295+41.67	-2.0	-4.0
-4.0	1.7	295+50	-1.7	-4.0

US ROUTE 302 – SUPERELEVATION TABLE				
LT. SHOULDER	TRAVELWAY	STATION	TRAVELWAY	RT. SHOULDER
-4.0	0.0	296+00	0.0	-4.0
-4.0	-1.6	296+50	1.6	-4.0
-4.0	-2.0	296+60.71	2.0	-4.0
-4.0	-3.3	297+00	3.3	-2.7
-4.0	-4.0	297+20.24	4.0	-2.0
-5.0	-5.0	297+50	5.0	-2.0
		TO		
-5.0	-5.0	303+50	5.0	-2.0
-4.0	-4.0	303+78.57	4.0	-2.0
-4.0	-3.2	304+00	3.2	-2.8
-4.0	-2.0	304+35.71	2.0	-4.0
-4.0	-2.0	304+50	1.5	-4.0
-4.0	-2.0	304+92.86	0.0	-4.0
-4.0	-2.0	305+00	-0.3	-4.0
-4.0	-2.0	305+50	-2.0	-4.0
		TO		
-4.0	-2.0	310+00	-2.0	-4.0
-2.0	-2.0	310+50	-2.0	-4.0
-0.4	-0.4	311+00	-2.0	-4.0
0.0	0.0	311+11.54	-2.0	-4.0
1.3	1.3	311+50	-2.0	-4.0
2.0	2.0	311+73.08	-2.0	-4.0
2.9	2.9	312+00	-2.9	-4.0
4.0	4.0	312+34.62	-4.0	-4.0
4.5	4.5	312+50	-4.5	-4.5
		TO		
4.5	4.5	312+82	-4.5	-4.5
		BRIDGE		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		DATE
DESIGN-DETAILED	M. DEBOWSKI	BY	DATE
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	SIGNATURE	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	P.E. NUMBER	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	DATE	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

FRYEBURG
US ROUTE 302

TYPICAL SECTIONS

SHEET NUMBER

15

OF 364

SUPERELEVATION CHART

Filename: ...\MSTA\015_Typical_Sections.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
107.531	PROSECUTION OF WORK - BIWEEKLY UPDATES	1	LS
201.11	CLEARING	9	AC
201.23	REMOVING SINGLE TREE TOP ONLY	113	EA
201.24	REMOVING STUMP	120	EA
202.15	REMOVING MANHOLE OR CATCH BASIN	14	EA
203.20	COMMON EXCAVATION	71,600	CY
203.21	ROCK EXCAVATION	700	CY
203.211	PRESPLITTING ROCK	500	LF
203.213	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	800	SY
203.2312	HEALTH AND SAFETY PLAN (HASP)	1	LS
203.2333	DISPOSAL/TREATMENT OF SPECIAL EXCAVATION	50	TON
203.25	GRANULAR BORROW	1,600	CY
203.33	SPECIAL FILL	80	CY
206.061	STRUCTURAL EARTH EXCAVATION - DR & MINOR ST BEL GD	142	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	63,000	CY
307.332	FULL DEPTH RECYCLED PAVEMENT (W/EMULS. ASPHALT STABILIZER)	62,800	SY
403.2081	HOT MIX ASPHALT 12.5 MM HMA SURFACE	8,440	TON
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	1,040	TON
403.213	HOT MIX ASPHALT 12.5 MM BASE	14,200	TON
409.15	BITUMINOUS TACK COAT - APPLIED	4,740	GAL
411.10	UNTREATED AGG. SURFACE COURSE, TRUCK MEAS., TYPE A	100	CY
508.13	SHEET WATERPROOFING MEMBRANE	1	LS
511.07	COFFERDAM - UPSTREAM	1	LS
511.07	COFFERDAM - DOWNSTREAM	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES	1	LS
526.301	TEMPORARY CONCRETE BARRIER, TYPE I	1	LS
527.34	WORKZONE TRAFFIC CUSHION	2	UN
534.71	PRECAST CONCRETE BOX CULVERT: STA. 209+85	1	LS
603.16	15" CULVERT PIPE OPTION I	694	LF
603.169	15" CULVERT PIPE OPTION III	104	LF
603.17	18" CULVERT PIPE OPTION I	30	LF
603.175	18" RCP CLASS III	978	LF
603.179	18" CULVERT PIPE OPTION III	536	LF
603.195	24" RCP CLASS III	64	LF
603.199	24" CULVERT PIPE OPTION III	256	LF
603.205	30" RCP CLASS III	64	LF
603.215	36" RCP CLASS III	248	LF
603.239	48" RCP CLASS III	152	LF
603.275	72" RCP CLASS III	136	LF
603.55	CONCRETE PIPE TIES	52	GRP
604.072	CATCH BASIN TYPE A1-C	14	EA
604.092	CATCH BASIN TYPE B1-C	14	EA
604.243	CATCH BASIN TYPE F3-C	1	EA
604.247	CATCH BASIN TYPE F5-C	1	EA
605.09	6 INCH UNDERDRAIN TYPE B	11,231	LF
605.10	6 INCH UNDERDRAIN OUTLET	336	LF
605.11	12 INCH UNDERDRAIN TYPE C	990	LF
605.13	18 INCH UNDERDRAIN TYPE C	1,111	LF
605.15	24 INCH UNDERDRAIN TYPE C	221	LF
606.1301	31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, SINGLE FACED	7,020	LF
606.1303	31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, 15' RADIUS AND LESS	300	LF
606.1304	31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, OVER 15' RADIUS	13	LF
606.1305	31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, FLARED TERMINAL	20	EA
606.1307	BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1	6	EA
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	12	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	80	EA
606.356	UNDERDRAIN DELINEATOR POST	12	EA
606.47	SINGLE WOOD POST	24	EA
606.51	MULTIPLE MAILBOX SUPPORT	4	EA
608.08	REINFORCED CONCRETE SIDEWALK	303	SY

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
608.26	CURB RAMP DETECTABLE WARNING FIELD	92	SF
609.11	VERTICAL CURB TYPE I	1,298	LF
609.12	VERTICAL CURB TYPE I - CIRCULAR	50	LF
609.234	TERMINAL CURB TYPE I - 4 FOOT	27	EA
609.238	TERMINAL CURB TYPE I - 8 FOOT	40	EA
609.31	CURB TYPE 3	7,600	LF
609.38	RESET CURB TYPE 1	300	LF
610.08	PLAIN RIPRAP	410	CY
610.18	STONE DITCH PROTECTION	50	CY
610.210	STREAM CHANNEL ROCK	45	CY
613.319	EROSION CONTROL BLANKET	5,560	SY
613.40	TURF REINFORCEMENT MAT (TRM)	1,200	SY
615.07	LOAM	5,987	CY
618.13	SEEDING METHOD NUMBER 1	57	UN
618.14	SEEDING METHOD NUMBER 2	856	UN
619.12	MULCH	913	UN
619.14	EROSION CONTROL MIX	6,100	CY
620.54	STABILIZATION / REINFORCEMENT GEOTEXTILE	500	SY
620.58	EROSION CONTROL GEOTEXTILE	990	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	70,900	LF
627.744	6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	100	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	770	SF
627.77	REMOVING EXISTING PAVEMENT MARKING	2,500	SF
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	140,000	LF
629.05	HAND LABOR	200	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	50	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	50	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	50	HR
631.14	GRADER (INCLUDING OPERATOR)	20	HR
631.15	ROLLER, EARTH AND BASE (INCLUDING OPERATOR)	20	HR
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	100	HR
631.20	STUMP CHIPPER (INCLUDING OPERATOR)	50	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	50	HR
639.18	FIELD OFFICE TYPE A	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL: STATION 209+92	1	LS
645.103	DEMOUNT GUIDE SIGN	49	EA
645.106	DEMOUNT REG., WARN., CONFIRM., & RTE. MARKER ASSBLY. SIGN	95	EA
645.113	REINSTALL GUIDE SIGN	31	EA
645.116	REINSTALL REG., WARN., CONFIRM., & RTE. MARKER ASSBLY. SIGN	21	EA
645.291	ROADSIDE GUIDE SIGNS, TYPE II	81	SF
645.292	REG., WARN., CONFIRM., & RTE. MARKER ASSBLY. SIGNS, TYPE II	639	SF
652.30	FLASHING ARROW BOARD	2	EA
652.33	DRUM	200	EA
652.34	CONE	300	EA
652.35	CONSTRUCTION SIGNS	960	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	344	CD
652.38	FLAGGER	18,200	HR
652.381	TRAFFIC OFFICER	300	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA
656.75	TEMP SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
660.21	ON-THE-JOB TRAINING	2,000	HR
801.03	TEST PITS	6	EA

EARTHWORK SUMMARY
ALL QUANTITIES ARE IN CUBIC YARDS (CY)

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	65,114	
EARTH FROM DRIVES, OLD ROAD, ETC.	2,870	
GRUBBING IN FILL	2,532	
CROSS CULVERTS IN FROST SUSCEPTIBLE SOIL	1,000	
PAVEMENT SALVAGE IN FILL	3,387	
TOTAL COMMON EXCAVATION (for estimate)		74,903

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	14,129	
FILL FOR DRIVES	345	
GRUBBING IN FILL	2,405	
PAVEMENT SALVAGE IN FILL	3,387	
TOTAL FILL		20,266

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	700	
TOTAL ROCK EXCAVATION		700

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION		74,903
DEDUCTIONS:		
GRUBBING IN CUT	11,610	
GRUBBING IN FILL	2,532	
PAVEMENT SALVAGE (CUT & FILL)	8,990	
(2) TOTAL DEDUCTIONS		23,132
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		51,771
TOTAL AVAILABLE STRUCT. EXCAVATIONS (USUALLY UNDERDRAIN ONLY)		4,521
RIPRAP EXCAVATION		300
TOTAL AVAILABLE NON-ROCK EXCAVATION		56,592

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAIL. WASTE STORAGE AREA (FROM CROSS SECTIONS)		6,952
GRUBBING IN CUT	11,610	
GRUBBING IN FILL	2,532	
TOTAL WASTE MATERIAL TO BE UTILIZED (LOWER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL)		6,952
TOTAL WASTE MATERIAL TO BE WASTED (TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED)		7,190

COMPUTATION OF GRANULAR BORROW FOR ESTIMATE

GRANULAR BORROW IN LOW WET AREAS	374			
GRANULAR BORROW FOR UNDER CULVERTS	1,226			
GRANULAR BORROW =	1,600	x 1.00 =		1,600

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3)TOTAL FILL				20,266
TOTAL AVAIL. NON-ROCK EXCAV.	56,592	x 0.90 =	50,933	
TOTAL AVAIL. ROCK EXCAV.	700	x 1.30 =	910	
TOTAL WASTE MATERIAL TO BE UTILIZED	6,952	x 0.90	6,257	
(4)TOTAL AVAILABLE EXCAVATION				58,100

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED 45,023

SURPLUS MATERIAL = 45,023 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	------	SIGNATURE	------
DESIGN2-DETAILED2	------		------
DESIGN3-DETAILED3	------	P.E. NUMBER	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------	DATE	------
REVISIONS 4	------		------
FIELD CHANGES	------		------

FRYEBURG
US ROUTE 302

ESTIMATED QUANTITIES

SHEET NUMBER
16
OF 364

Filename: ...\016_Estimated Quantities.dgn Division: HIGHWAY Username: mdebowski Date:12/12/2018

STATION	CULVERT PIPE											CATCH BASIN/ MANHOLE					PIPE ARCH				UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			TYPE D TRIPLE WALL POLYPROPYLENE CULVERT PIPE (PPP)		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	MH	E	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
ROADWAY CULVERTS																												
(NOT INCLUDING CONC. BOX CULVERT)																												
STA. 15+00, 31.4' RT TO STA. 15+00, 32.6' LT	*18"*	*64'*	*III*																									
STA. 20+65, 30.5' RT TO STA. 20+65, 33.5' LT	*24"*	*64'*	*III*																									
STA. 34+00, 31.6' RT TO STA. 34+00, 32.4' LT	*18"*	*64'*	*III*																									
STA. 38+00, 16.0' RT (CB#1) TO STA. 38+00, 65.1' LT	*18"*	*80'*	*III*																									
STA. 38+88, 54.0' RT TO STA. 38+04, 67.0' LT	*18"*	*148'*	*III*																									
STA. 47+00, 29.0' RT (CB#4) TO STA. 47+00, 16.0' RT (CB#3)								*18"*	*10'*	*18"*	*10'*																	
STA. 48+89, 15.5' RT (CB#5) TO STA. 48+75, 40.3' LT	*18"*	*56'*	*III*																									
STA. 48+92, 28.9' RT TO STA. 48+89, 15.5' RT (CB#5)								*18"*	*12'*	*18"*	*12'*																	
STA. 51+18, 16.0' RT (CB#6) TO STA. 51+12, 41.0' LT	*18"*	*56'*	*III*																									
STA. 51+27, 54.6' RT TO STA. 51+15, 64.7' LT	*36"*	*120'*	*III*																									
STA. 71+50, 22.0' LT (CB#9) TO STA. 71+50, 15.9' LT (CB#10)								*15"*	*4'*	*15"*	*4'*																	
STA. 71+50, 15.9' LT (CB#10) TO STA. 73+17, 21.0' LT (CB#11)	*18"*	*165'*	*III*																									
STA. 73+17, 19.9' RT (CB#12) TO STA. 73+17, 21.0' LT (CB#11)	*18"*	*38'*	*III*																									
STA. 74+38, 46.1' RT (CB#14) TO STA. 74+38, 36.5' RT (CB#13)								*18"*	*6'*	*18"*	*6'*																	
STA. 74+38 RT (CB#13) TO STA. 77+00 RT (CB#17)								*18"*	*258'*	*18"*	*258'*																	
STA. 75+27, 19.9' LT (CB#15) TO STA. 75+68, 19.9' LT (CB#16)	*18"*	*38'*	*III*																									
STA. 77+00, 38.9' RT (CB#17) TO STA. 77+04, 19.9' LT (CB#18)	*18"*	*55'*	*III*																									
STA. 163+35, 56.3' LT TO STA. 164+36, 57.3' RT	*48"*	*152'*	*III*																									
STA. 168+91, 57.2' LT TO STA. 168+91, 70.8' RT	*36"*	*128'*	*III*																									
STA. 177+35, 58.6' LT TO STA. 177+99, 61.8' RT	*72"*	*136'*	*III*																									
STA. 192+16, 65.1' LT TO STA. 192+16, 24.4' LT (CB#23)								*15"*	*40'*	*15"*	*40'*																	
STA. 192+16, 24.4' LT (CB#23) TO STA. 192+16, 40.5' RT	*30"*	*64'*	*III*																									
STA. 265+33, 38.3' RT TO STA. 265+02, 44.0' LT	*18"*	*88'*	*III*																									
STA. 303+50, 57.7' RT TO STA. 303+50, 38.3' LT	*18"*	*100'*	*III*																									
STA. 610+64, 38.5' RT TO STA. 610+64, 25.5' LT	*18"*	*64'*	*III*																									
STA. 620+47, 15.3' RT TO STA. 54+00, 15.9' RT (CB#7)								*15"*	*60'*	*15"*	*60'*																	
STA. 671+78, 29.8' RT TO STA. 671+37, 39.7' LT								*18"*	*80'*	*18"*	*80'*																	
STA. 681+45, 28.0' LT TO STA. 681+49, 32.0' RT								*18"*	*60'*	*18"*	*60'*																	
STA. 690+69, 35.0' RT TO STA. 690+66, 37.0' LT								*18"*	*72'*	*18"*	*72'*																	
STA. 720+19, 12.9' LT (CB#19) TO STA. 721+15, 0.0' (MH#1)								*24"*	*95'*	*27"*	*95'*																	
STA. 721+15, 0.0' (MH#1) TO STA. 722+15, 0.0' (MH#2)								*24"*	*97'*	*27"*	*97'*																	
STA. 722+15, 0.0' (MH#2) TO STA. 722+79, 12.9' LT								*24"*	*64'*	*27"*	*64'*																	
CATCH BASINS / MANHOLES																												
CB#1, STA. 38+00, 16.0' RT													*I*															
CB#2, STA. 43+50, 16.0' RT													*I*															
CB#3, STA. 47+00, 16.0' RT												*I*																
CB#4, STA. 47+00, 29.0' RT												*I*																
CB#5, STA. 48+89, 15.5' RT													*I*															
CB#6, STA. 51+18, 16.0' RT													*I*															
CB#7, STA. 54+00, 15.9' RT													*I*															
CB#7A, STA. 65+00, 15.9' RT													*I*															
CB#8, STA. 69+50, 15.9' RT													*I*															
CB#9, STA. 71+50, 22.0' LT																*I*												*TYPE F5-C*
CB#10, STA. 71+50, 15.9' LT													*I*															
CB#11, STA. 73+17, 21.0' LT												*I*																
CB#12, STA. 73+17, 19.9' RT													*I*															
CB#13, STA. 74+38, 36.9' RT												*I*																
CB#14, STA. 74+38, 46.1' RT												*I*																
CB#15, STA. 75+27, 19.9' LT												*I*																
CB#16, STA. 75+68, 19.9' LT												*I*																
CB#17, STA. 77+00, 38.9' RT												*I*																
CB#18, STA. 77+04, 19.9' LT												*I*																
CB#19, STA. 77+97, 19.9' LT												*I*																
CB#20, STA. 78+82, 38.9' RT												*I*																
CB#21, STA. 78+94, 19.9' LT												*I*																
CB#22, STA. 166+00, 22.0' RT																*I*												*TYPE F3-C*
CB#23, STA. 192+16, 24.4' LT													*I*															
CB#24, STA. 721+15, 0.0'													*I*															*SOLID COVER*
CB#25, STA. 722+15, 0.0'													*I*															*SOLID COVER*

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		DATE
DESIGN-DETAILED	M. DEBOWSKI		BY
CHECKED-REVIEWED	-------		DATE
DESIGN2-DETAILED2	-------		SIGNATURE
DESIGN3-DETAILED3	-------		P.E. NUMBER
REVISIONS 1	-------		DATE
REVISIONS 2	-------		
REVISIONS 3	-------		
REVISIONS 4	-------		
FIELD CHANGES	-------		

FRYEBURG
US ROUTE 302

DRAINAGE SUMMARY

SHEET NUMBER

17

OF 364

Username: mdebowski Date:12/10/2018

Division: HIGHWAY

Filename: ...\017_Drainage_Summary_1.dgn

STATION	CULVERT PIPE												CATCH BASIN/ MANHOLE					PIPE ARCH				UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			TYPE D TRIPLE WALL POLYPROPYLENE CULVERT PIPE (PPP)		OPTION I		OPTION III														TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS			SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	MH	E	F	SPAN	RISE	LENGTH		TYPE B	OUTLET	SIZE	LENGTH	SIZE	LENGTH		
UNDERDRAIN																													
STA. 36+00 RT TO STA 38+00 RT (CB#1)																					*198'*								
STA. 38+70 RT TO STA 43+50 RT (CB#2)																					*478'*								
STA. 39+00 LT TO STA. 48+55 LT																					*958'*								
STA. 48+55 LT TO STA 48+65 LT																						*36'*						*TWO 45 DEGREE ELBOWS*	
STA. 43+50 RT (CB#2) TO STA. 47+00 RT (CB#3)																							*18"*	*346'*					
STA. 47+00 RT (CB#3) TO STA. 48+89 RT (CB#5)																							*18"*	*186'*					
STA. 48+97 RT TO STA. 51+18 RT (CB#6)																					*219'*								
STA. 49+00 LT TO STA. 50+59 LT																					*162'*								
STA. 50+59 LT TO STA. 50+69 LT																						*31'*						*45 DEGREE ELBOW*	
STA. 51+18 RT (CB#6) TO STA. 54+00 RT (CB#7)																							*18"*	*280'*					
STA. 51+84 LT TO STA. 51+99 LT																						*30'*						*45 DEGREE ELBOW*	
STA. 51+99 LT TO 54+00 LT																					*203'*								
STA. 54+00 RT (CB#7) TO 60+50 RT																					*645'*								
STA. 58+00 LT TO STA. 60+50 LT																					*253'*								
STA. 57+88 LT TO STA. 58+00 LT																						*17'*						*45 DEGREE ELBOW*	
STA. 60+54 LT TO STA. 71+50 LT (CB#10)																					*1098'*								
STA. 60+55 RT TO STA. 65+00 RT (CB#7A)																					*440'*								
STA. 65+00 RT (CB#7A) TO STA. 69+50 RT (CB#8)																							*12"*	*447'*					
STA. 69+50 RT (CB#8) TO STA. 73+17 RT (CB#12)																							*12"*	*365'*					
STA. 73+17 LT (CB#11) TO STA. 75+27 LT (CB#15)																							*18"*	*206'*					
STA. 75+68 LT (CB#16) TO STA. 77+04 LT (CB#18)																							*24"*	*131'*					
STA. 77+00 RT (CB#17) TO STA. 78+82 RT (CB#20)																							*12"*	*178'*					
STA. 77+04 LT (CB#18) TO STA. 77+97 LT (CB#19)																							*24"*	*89'*					
STA. 77+97 LT (CB#19) TO STA. 78+93.5 LT (CB#21)																							*18"*	*93'*					
STA. 151+00 RT TO STA. 156+00 RT																					*503'*								
STA. 156+00 RT TO STA. 156+15 RT																						*21'*						*45 DEGREE ELBOW*	
STA. 152+50 LT TO STA. 161+81 LT																					*934'*								
STA. 161+81 TO STA. 160+90 LT																						*22'*						*45 DEGREE ELBOW*	
STA. 164+89 RT TO STA. 165+17 RT																						*42'*						*45 DEGREE ELBOW*	
STA. 165+17 RT TO STA. 167+50 RT																					*236'*								
STA. 182+00 LT TO STA. 186+75 LT																					*478'*								
STA. 181+87 LT TO STA. 182+00 LT																						*18'*						*45 DEGREE ELBOW*	
STA. 186+85 LT TO STA. 192+16 LT (CB#23)																					*534'*						*45 DEGREE ELBOW*	
STA. 192+16 LT (CB#23) TO STA. 196+00 LT																					*387'*						*45 DEGREE ELBOW*	
STA. 192+22 RT TO STA. 192+43 RT																						*27'*						*45 DEGREE ELBOW*	
STA. 192+43 RT TO STA. 196+00 RT																					*360'*								
STA. 239+50 LT TO STA. 246+32 LT																					*685'*								
STA. 246+32 LT TO STA. 246+50 LT																						*26'*						*45 DEGREE ELBOW*	
STA. 239+50 RT TO STA. 251+74 RT																					*1227'*								
STA. 251+74 RT TO STA. 252+00 RT																						*37'*						*45 DEGREE ELBOW*	
STA. 247+44 LT TO STA. 252+79 LT																					*538'*								
STA. 252+79 LT TO STA. 253+00 LT																						*29'*						*45 DEGREE ELBOW*	
STA. 267+50 LT TO STA. 271+42 LT																					*392'*						*45 DEGREE ELBOW*	
STA. 271+42 LT TO STA. 271+70 LT																						*40'*							
STA. 649+75 RT TO STA. 71+50 LT (CB#10)																					*0'*								
STA. 649+75 LT TO STA. 73+17 LT (CB#11)																					*11231'*						*TWO 45 DEGREE ELBOWS*	
DRIVEWAY CULVERTS																													
STA. 57+01, 35.5' LT to STA. 56+36, 48.3' LT						*15"*	*66'*																						
STA. 157+99, 31.3' RT TO STA. 158+51, 31.3' RT						*15"*	*52'*																						
STA. 160+66, 31.3' RT TO 161+06, 31.3' RT						*15"*	*40'*																						
STA. 162+62, 31.3' RT TO 163+08, 32.3' RT						*15"*	*46'*																						
STA. 166+00, 22.0' RT (CB#22) TO STA. 164+92, 52.8' RT						*15"*	*112'*																						
STA. 176+00, 31.3' LT TO STA. 176+36, 34.2' LT						*15"*	*36'*																						
STA. 176+06, 31.2' RT TO STA. 176+42, 35.9' RT						*15"*	*36'*																						
STA. 181+35, 31.3' LT TO STA. 181+05, 31.3' LT						*15"*	*30'*																						
STA. 191+34, 31.3' RT TO STA. 192+00, 31.3' RT						*15"*	*66'*																						
STA. 200+13, 29.3' LT TO STA. 200+49, 29.3' LT						*15"*	*36'*																						
STA. 246+97, 29.0' RT TO STA. 247+27, 29.0' RT						*15"*	*30'*																						
STA. 250+88, 30.5' RT TO STA. 251+18, 36.0' RT						*18"*	*30'*																						
STA. 252+48, 31.3' LT TO STA. 252+81, 35.6' LT						*15"*	*34'*																						
STA. 262+80, 31.3' RT TO STA. 262+54, 31.3' RT						*15"*	*26'*																						
STA. 270+92, 29.0' RT TO STA. 271+17, 37.3' RT						*15"*	*26'*																						
STA. 278+66, 31.6' RT TO STA. 278+34, 31.6' RT						*15"*	*32'*																						
STA. 281+00, 31.7' RT TO STA. 280+75, 31.7' RT						*15"*	*26'*																						

Filename: ...\018_Drainage_Summary_2.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI	-------	------
CHECKED-REVIEWED	-------	-------	------
DESIGN2-DETAILED2	-------	-------	------
DESIGN3-DETAILED3	-------	-------	------
REVISIONS 1	-------	-------	------
REVISIONS 2	-------	-------	------
REVISIONS 3	-------	-------	------
REVISIONS 4	-------	-------	------
FIELD CHANGES	-------	-------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

DRAINAGE SUMMARY

SHEET NUMBER

18

OF 364

Filename: ...\MSTA\019_GeneralNotes.dgn Division: HIGHWAY Username: mdebowski Date:12/12/2018

GENERAL NOTES:

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS: CENTRAL MAINE POWER, FAIRPOINT, AND TIME WARNER CABLE.

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED. EARTHWORK (CUT AND FILL) AND BLASTING FOR NEW POLE PLACEMENT MAY NEED TO TAKE PLACE EARLY IN THE PROJECT TO PROVIDE SUITABLE LOCATIONS FOR UTILITY RELOCATION.

3. A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USES OF MILLINGS OR RAP WILL NOT BE ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON. TEMPORARY RAMPS SHALL BE CONSTRUCTED AT A LENGTH OF FOUR FEET PER INCH OF TRANSITION DEPTH. MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.

4. CLEARING LIMITS SHALL BE 5' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

5. THE CLEARING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.

6. CLEARING FROM STA. 229+00 TO END OF PROJECT (STA. 312+82) SHALL OCCUR FROM NOVEMBER 1 TO MARCH 31. ALL OTHER AREAS MAY BE CLEARED YEAR-ROUND.

7. CLEARING FROM START OF PROJECT (STA. 12+20.62) LEFT TO STA. 29+60 LEFT SHALL NOT BE CLEARED DURING THE LAST WEEK OF JULY THRU FIRST TWO WEEKS OF AUGUST.

8. STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.

9. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 6 INCHES IN FIELD AREAS AND 12 INCHES IN WOODED AREAS.

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

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

12. 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.

13. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL BE PAID FOR AS GRANULAR BORROW.

14. 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 FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.

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

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

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

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

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

20. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

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

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

23. GRANULAR BORROW USED UNDER PIPES SHALL MEET THE REQUIREMENTS FOR MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.

24. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED, FILLED WITH FLOWABLE FILL, OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

25. INLETS AND OUTLETS OF ALL ROADWAY CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT. DRIVEWAY CULVERTS (AS IDENTIFIED ON THE DRAINAGE SUMMARY SHEETS) DO NOT REQUIRE RIRPAP UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

26. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE SUMMARY SHEET.

27. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

28. PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6" TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL.

29. 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.

30. 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.

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

32. A 3 FT X 3 FT SQUARE RIPRAP PAD WITH 1.5 FT DEPTH SHALL BE CONSTRUCTED AT UNDERDRAIN OUTLETS.

33. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.

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

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

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

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

38. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH END OF A RUN OF BITUMINOUS CURB.

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

40. ALL CATCH BASINS TYPE A PLACED ON CIRCULAR CURB TYPE 1 SHALL HAVE THE CURB INLET CUT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO ITEM 604.

41. IN AREAS WHERE CURB TYPE 1 WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT IF NECESSARY AND UTILIZED AS SUCH AND PAID FOR UNDER ITEM 609.38 (RESET CURB TYPE 1). REQUIRED CUTTING WILL BE PAID UNDER FORCE ACCOUNT PROCEDURES.

42. 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.

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

44. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF ITEM 627.78.

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

46. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ONLINE AT HTTPS://MDOTAPPS.MAINE.GOV/MEPLANS/ THE PROJECTS ARE:

- PROJECT # F-014-1(36), TOWN: FRYEBURG, DESCRIPTION: OSGOOD BRIDGE OVER DEAD LAKE STREAM, 0.152 MI, PLAN YEAR: 1986
- PROJECT # 3480.00, TOWN: FRYEBURG, DESCRIPTION: RESURFACING, 1.37 MI. NH STATE LINE TO ROUTE 5., PLAN YEAR: 1988
- PROJECT # 130-A, TOWN: FRYEBURG, DESCRIPTION: STATE HIGHWAY "B", 1.638 MI, PLAN YEAR: UNDATED
- PROJECT # 130-B, TOWN: FRYEBURG, DESCRIPTION: STATE HIGHWAY "B", 1.638 MI, PLAN YEAR: UNDATED

47. ALL COMPUTATION METHODS AND QUANTITIES USED FOR THE ENGINEER'S ESTIAMTE FOR PLAN QUANTITY ITEMS ONLY ARE AVAILABLE BY CONTACTING PROJECT MANAGER ERNIE MARTIN AT 207-624-3381.

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

49. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS. THE ESTIMATED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES QUANTITIES ARE AS FOLLOWS:
- UNDERDRAIN TYPES B AND C: (4,521) CY
- PIPES: (3,643) CY
- CATCH BASINS: (455) CY
- CONCRETE BOX CULVERTS: (375) CY

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

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

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

53. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008. IN PARTICULAR, NOTE STANDARDS FOR THE FOLLOWING:
- TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL
- MULCH
- EROSION CONTROL BLANKET
- RIPRAP
- SEEDING
- CHANNEL LININGS
- RIPRAP DOWNSPOUT
- ENERGY DISSIPATORS
- CULVERT INLET AND OUTLET PROTECTION
- CHECK DAMS
- TEMPORARY STREAM DIVERSION
- WINTER STABILIZATION

54. CELLAR DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION WILL BE HANDLED IN ACCORDANCE WITH THE "CELLAR DRAIN DETAILS" SHEET IN THE PLAN SET.

55. REMOVAL OF MISCELLANEOUS ITEMS AS IDENTIFIED IN THE PLAN SET OR AS DIRECTED BY THE RESIDENT INCLUDING WELLS, BUSHES, ROCK WALLS, FOUNDATION REMAINS, MISCELLANEOUS CONCRETE, BOULDERS, AND PERSONAL PROPERTY ITEMS IS INCIDENTAL TO ITEM 203.20 COMMON EXCAVATION.

56. EXISTING PAVEMENT AND GRAVEL WITHIN THE LIMITS OF CONSTRUCTION MUST BE REMOVED AND WILL BE PAID UNDER ITEM 203.20 COMMON EXCAVATION.

57. SHOULDERS ARE TO BE WIDENED AT GUARDRAIL ENDS AS SHOWN IN MAINE DOT STANDARD DETAIL 606(09).

58. PAVEMENT CUT LINES SHALL BE NEAT, CLEAN, AND STRAIGHT AS DIRECTED BY THE RESIDENT. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO ITEM 403.

59. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE USE OF THE BIDDERS AND THE CONTRACTOR. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE CONSTRUCTION SITE. MAINEDOT SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S OR CONTRACTOR'S INTERPRETATIONS OF OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE PLAN SET PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

60. FOLLOW MAINE DOT STANDARD DETAIL 801(10) FOR CROSS SLOPE TRANSITION AT BRIDGES.

61. THE REMOVAL OF EXISTING CULVERTS AND HEADWALLS, BACKFILLING, AND COMPACTION IS INCIDENTAL TO THE PROPOSED CULVERT ITEMS.

62. 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.

63. GRANULAR BORROW USED TO MAINTAIN TRAFFIC SHALL BE INCIDENTAL TO THE CONTRACT.

64. EROSION CONTROL MIX SHALL BE USED IN PLACE OF MULCH ON 2:1 BACK SLOPES.

65. THE PAYMENT FOR EXISTING STREAMBED MATERIAL USED IN THE PROJECT SHALL BE INCIDENTAL TO THE 603 ITEMS.

66. THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DESIGN REPORT FOR THE RECONSTRUCTION OF US ROUTE 302." AND SOILS REPORT 2018-03, DECEMBER 2018, CAN BE ACCESSED AT THE MAINEDOT WEBSITE.

67. 6,000 CY OF THE PAVEMENT SALVAGED FROM THE PROJECT SHALL REMAIN THE PROPERTY OF THE STATE AND TRANSPORTED TO THE MAINE DOT FRYEBURG MAINTENANCE FACILITY LOCATED AT 191 BRIDGTON ROAD, FRYEBURG. THE AREA AVAILABLE TO THE CONTRACTOR FOR STOCKPILING SHALL BE DESIGNATED BY THE RESIDENT. PAYMENT FOR TRANSPORTING AND STOCKPILING THE PAVEMENT WILL BE INCIDENTAL TO COMMON EXCAVATION, ITEM 203.20. THE REMAINING PAVEMENT WILL BE THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE PROJECT.

68. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 19109.00 HIGHWAY PLANS

		BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL			
DESIGN-DETAILED	M. DEBOWSKI	S. BABALIS		
CHECKED-REVIEWED	-------	-------	------	-------
DESIGN2-DETAILED2	-------	-------	------	-------
DESIGN3-DETAILED3	-------	-------	------	-------
REVISIONS 1	-------	-------	------	-------
REVISIONS 2	-------	-------	------	-------
REVISIONS 3	-------	-------	------	-------
REVISIONS 4	-------	-------	------	-------
FIELD CHANGES	-------	-------	------	-------

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

GENERAL NOTES

SHEET NUMBER

19

OF 364

CONCRETE BOX CULVERT NOTES:

(THE FOLLOWING NOTES APPLY TO THE CONSTRUCTION OF THE CONCRETE BOX CULVERT)

1. THE INSTALLATION OF THE WATERPROOFING MEMBRANE SHALL BE COMPLETED IN TWO PLACEMENTS. THE FIRST PLACEMENT SHALL BE COMPLETED AFTER ALL STAGE 1 PRECAST BOX SEGMENTS ARE INSTALLED, BACKFILLED TO WITHIN 18 INCHES OF THE TOP OF THE UNITS AND ACCEPTED. THE SECOND PLACEMENT SHALL BE AFTER THE REMAINDER OF THE PRECAST BOX SEGMENTS ARE INSTALLED, BACKFILLED AND ACCEPTED.

2. PLACE RIPRAP ON TOE OF SIDE SLOPES TO LIMITS AND ELEVATIONS SHOWN ON PLANS.

3. CONSTRUCT THE 10' RIPRAP APRON AT THE INLET AND OUTLET AS INDICATED ON THE PLANS. COVER RIPRAP WITH SPECIAL FILL. SPECIAL FILL DEPTH SHALL MATCH DEPTH INSIDE OF CULVERT AND SHALL EXTEND UP SIDE SLOPES TO RIPRAP LIMITS OR AS DETERMINED BY THE RESIDENT.

4. THE CONTRACTOR SHALL CONSTRUCT AND INSTALL THE BOX CULVERTS IN THE DRY. COFFERDAMS MAY BE REQUIRED TO DIVERT FLOW AWAY FROM THE NEW CULVERT LOCATIONS DURING CONSTRUCTION.

5. THE EXISTING CULVERTS SHALL BE REMOVED BY AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL OF EXISTING CULVERTS SHALL BE CONSIDERED INCIDENTAL TO RELATED ITEMS.

6. EXISTING HEADWALLS OF THE EXISTING CULVERTS SHALL BE COMPLETELY REMOVED. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 534.71.

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

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

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

10. THE CONCRETE BOX CULVERT WILL BE CONSTRUCTED IN STAGES. FABRICATION AND INSTALLATION SHALL ACCOMMODATE STAGED CONSTRUCTION.

11. CONCRETE FOR CURB, HEADWALL AND TOE-WALLS, WHETHER PRECAST OR CAST-IN-PLACE, SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 534.71, PRECAST BOX CULVERT.

12. ANY ORGANIC MATERIAL ENCOUNTERED IN THE EXCAVATION FOR THE PROPOSED STRUCTURES MUST BE REMOVED IN ITS ENTIRETY AND REPLACED WITH COMPACTED MATERIAL.

13. A CLAMSHELL PRECAST BOX CULVERT SHALL BE USED.

14. THE PRECAST CONCRETE BOX CULVERT SHALL BE BEDDED ON A 1-FOOT LAYER OF COMPACTED GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL.

15. THE PRECAST BOX CULVERT SHALL BE LINED WITH 2 FEET OF SPECIAL FILL IN ACCORDANCE WITH SPECIAL PROVISION 203.

16. VOIDS IN RIPRAP APRONS HALL BE INFILLED WITH SPECIAL FILL WATERED-IN AND TAMPED.

17. TEMPORARY CONSTRUCTION SUPPORT DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE BOX CULVERT STA. 209+92.00:

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017.

DESIGN LOADING

Live Load ..... HL - 93 Modified

HYDROLOGIC DATA

Drainage Area	0.82 sq mi
Design Discharge (Q50)	137.41 cfs
Check Discharge (Q100)	234.91 cfs
Headwater Elevation (Q50)	369.09 ft
Headwater Elevation (Q100)	370.43 ft
Discharge Velocity (Q50)	6.5 fps
Discharge Velocity (Q100)	7.6 fps
Headwater Elevation (Q2)	366.38 ft
Discharge Velocity (Q2)	1.0 fps
Headwater Elevation (Q25)	367.98 ft

MATERIALS

Concrete:	
Precast	Class "P"
Fill	"Fill"
All Other	Class "A"
Reinforcing Steel	ASTM A 615/A 615M, Grade 60
Welded Wire Reinforcement	ASTM A185/A185M or ASTM A497/A497M

BASIC DESIGN STRESSES

Concrete	f 'c = 4,350 psi
Precast Concrete	f 'c = 5,000 psi
Reinforcing Steel	f y = 60,000 psi
Welded Wire Reinforcement	f y = 65,000 psi, min

UTILITIES

Central Maine Power Company
Fairpoint Communications
Time Warner Cable
Greater Augusta Utility District

MAINTENANCE OF TRAFFIC

Maintain one 11'-0" wide lane of alternating one - way traffic using traffic signals.

Filename: ...\020_Conc_Box_Culvert_Notes.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

FRYEBURG
US ROUTE 302

CONC. BOX CULVERT NOTES

SHEET NUMBER

20

OF 364

Filename: ...\021_Construction Notes_1.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

US ROUTE 302 DRIVEWAYS AND ENTRANCES

LOCATION		SURFACE	TYPE	OPENING
12+56.70	LT	GRAVEL	WOODS ENT.	33 FT.
12+63.22	RT	GRAVEL	RESIDENTIAL	44 FT.
15+50.00	RT	GRAVEL	WOODS ENT.	36 FT.
22+50.00	LT	PAVED	RESIDENTIAL	39 FT.
24+50.00	LT	GRAVEL	WOODS ENT.	40 FT.
26+71.79	RT	PAVED	COMMERCIAL	70 FT.
33+63.80	LT	GRAVEL	WOODS ENT.	31 FT.
36+53.63	LT	PAVED	RESIDENTIAL	46 FT.
39+94.68	LT	PAVED	RESIDENTIAL	53 FT.
41+07.92	LT	PAVED	RESIDENTIAL	40 FT.
42+37.34	LT	PAVED	RESIDENTIAL	40 FT.
43+10.10	LT	PAVED	RESIDENTIAL	38 FT.
44+07.51	LT	PAVED	RESIDENTIAL	35 FT.
44+71.24	LT	PAVED	RESIDENTIAL	38 FT.
45+00.00	RT	PAVED	COMMERCIAL	32 FT.
45+88.51	LT	PAVED	RESIDENTIAL	40 FT.
46+00.00	RT	PAVED	COMMERCIAL	32 FT.
47+00.00	LT	PAVED	RESIDENTIAL	56 FT.
47+50.00	RT	PAVED	COMMERCIAL	32 FT.
48+50.00	RT	PAVED	COMMERCIAL	42 FT.
49+50.00	RT	PAVED	COMMERCIAL	50 FT.
50+17.00	LT	PAVED	RESIDENTIAL	51 FT.
50+17.00	RT	PAVED	COMMERCIAL	37 FT.
52+21.05	RT	PAVED	RESIDENTIAL	20 FT.
53+00.00	LT	PAVED	RESIDENTIAL	24 FT.
54+24.44	RT	PAVED	RESIDENTIAL	20 FT.
54+27.87	LT	GRAVEL	RESIDENTIAL	23 FT.
56+34.10	RT	GRAVEL	RESIDENTIAL	20 FT.
56+43.60	LT	PAVED	COMMERCIAL	59 FT.
58+50.00	RT	PAVED	RESIDENTIAL	20 FT.
60+50.00	LT	PAVED	RESIDENTIAL	20 FT.
60+50.00	RT	PAVED	RESIDENTIAL	20 FT.
60+91.58	LT	PAVED	RESIDENTIAL	20 FT.
61+50.00	RT	GRAVEL	RESIDENTIAL	20 FT.
63+58.00	RT	PAVED	RESIDENTIAL	20 FT.
64+78.17	RT	PAVED	RESIDENTIAL	20 FT.
65+91.55	RT	PAVED	RESIDENTIAL	20 FT.
67+46.21	RT	PAVED	RESIDENTIAL	20 FT.
69+00.00	RT	PAVED	RESIDENTIAL	20 FT.
71+14.03	RT	GRAVEL	RESIDENTIAL	20 FT.
72+17.18	RT	PAVED	RESIDENTIAL	20 FT.
73+63.79	LT	PAVED	COMMERCIAL	50 FT.
74+29.92	LT	PAVED	COMMERCIAL	38 FT.
74+77.53	RT	PAVED	COMMERCIAL	30 FT.
75+00.00	LT	PAVED	COMMERCIAL	30 FT.
75+50.00	RT	PAVED	COMMERCIAL	30 FT.
76+00.00	LT	PAVED	COMMERCIAL	42 FT.
76+82.74	LT	PAVED	COMMERCIAL	42 FT.
77+50.00	LT	PAVED	COMMERCIAL	55 FT.
78+38.77	LT	PAVED	COMMERCIAL	20 FT.
78+62.81	RT	PAVED	COMMERCIAL	21 FT.
147+23.89	LT	GRAVEL	WOODS ENT.	45 FT.
148+00.00	RT	PAVED	COMMERCIAL	72 FT.
152+50.00	RT	PAVED	COMMERCIAL	32 FT.
153+50.00	LT	GRAVEL	RESIDENTIAL	20 FT.
153+74.31	RT	PAVED	COMMERCIAL	35 FT.
154+50.00	RT	PAVED	COMMERCIAL	40 FT.
155+00.00	LT	GRAVEL	RESIDENTIAL	20 FT.
155+18.93	RT	PAVED	COMMERCIAL	42 FT.
156+35.78	LT	PAVED	RESIDENTIAL	20 FT.
157+83.83	LT	PAVED	RESIDENTIAL	21 FT.
158+24.29	RT	GRAVEL	COMMERCIAL	60 FT.
159+18.85	LT	PAVED	RESIDENTIAL	22 FT.
159+66.00	LT	GRAVEL	RESIDENTIAL	20 FT.
160+50.00	LT	GRAVEL	RESIDENTIAL	31 FT.
160+87.78	RT	GRAVEL	COMMERCIAL	46 FT.
162+85.16	RT	PAVED	RESIDENTIAL	52 FT.
165+43.73	RT	PAVED	COMMERCIAL	31 FT.
166+00.00	LT	PAVED	RESIDENTIAL	38 FT.
167+28.26	RT	PAVED	COMMERCIAL	55 FT.
171+13.52	RT	PAVED	COMMERCIAL	34 FT.
176+15.00	LT	PAVED	WOODS ENT.	44 FT.
176+15.00	RT	PAVED	WOODS ENT.	44 FT.
181+20.18	LT	PAVED	RESIDENTIAL	36 FT.
181+20.18	RT	GRAVEL	RESIDENTIAL	39 FT.
182+62.23	LT	PAVED	RESIDENTIAL	24 FT.
185+55.05	LT	PAVED	RESIDENTIAL	20 FT.
186+40.88	LT	PAVED	RESIDENTIAL	20 FT.
186+63.96	RT	GRAVEL	RESIDENTIAL	42 FT.
187+00.00	LT	GRAVEL	RESIDENTIAL	39 FT.
188+50.00	LT	PAVED	COMMERCIAL	35 FT.
189+50.00	LT	PAVED	COMMERCIAL	35 FT.
191+00.00	LT	PAVED	COMMERCIAL	35 FT.
191+50.00	RT	GRAVEL	RESIDENTIAL	66 FT.
192+63.38	RT	GRAVEL	RESIDENTIAL	41 FT.
193+53.06	LT	GRAVEL	RESIDENTIAL	27 FT.
193+69.33	RT	GRAVEL	RESIDENTIAL	20 FT.
195+00.00	RT	GRAVEL	FIELD ENT.	20 FT.
200+22.57	LT	GRAVEL	RESIDENTIAL	36 FT.
231+72.92	LT	GRAVEL	WOODS ENT.	37 FT.
237+76.00	LT	GRAVEL	FIELD ENT.	36 FT.

US ROUTE 302 DRIVEWAYS AND ENTRANCES CONTINUED...

LOCATION		SURFACE	TYPE	OPENING
240+00.00	LT	GRAVEL	RESIDENTIAL	20 FT.
240+50.00	LT	GRAVEL	RESIDENTIAL	30 FT.
240+69.76	RT	GRAVEL	RESIDENTIAL	20 FT.
241+55.96	LT	GRAVEL	RESIDENTIAL	28 FT.
247+11.12	RT	GRAVEL	FIELD ENT.	40 FT.
247+50.00	LT	GRAVEL	FIELD ENT.	39 FT.
251+00.00	RT	PAVED	WOODS ENT.	43 FT.
252+64.38	LT	GRAVEL	FIELD ENT.	43 FT.
259+00.00	RT	PAVED	BOAT LAUNCH	70 FT.
262+67.41	RT	GRAVEL	BOAT LAUNCH	36 FT.
264+87.82	RT	GRAVEL	WOODS ENT.	36 FT.
267+21.40	LT	PAVED	RESIDENTIAL	40 FT.
270+92.22	LT	PAVED	RESIDENTIAL	26 FT.
271+00.00	RT	GRAVEL	WOODS ENT.	34 FT.
278+50.00	RT	GRAVEL	WOODS ENT.	36 FT.
280+78.97	RT	GRAVEL	WOODS ENT.	32 FT.
282+90.88	LT	GRAVEL	WOODS ENT.	49 FT.
286+49.71	RT	GRAVEL	WOODS ENT.	26 FT.
292+00.00	RT	PAVED	WOODS ENT.	28 FT.
307+32.85	RT	GRAVEL	FIELD ENT.	31 FT.

1. DRIVES IN UNCURBED SECTIONS HAVE 3 FEET SUBTRACTED FROM EITHER SIDE OF THE DRIVE. SEE UNCURBED DRIVE RADIUS DETAIL ON SHEET 11.

CLEARING - ITEM #201.11

STATION	TO	STATION	STATION	TO	STATION
12+88	TO	22+31 LT	13+55	TO	17+40 RT
22+74	TO	36+26 LT	18+10	TO	21+24 RT
36+20	TO	38+55 LT	21+54	TO	21+71 RT
46+02	TO	46+78 LT	22+91	TO	26+09 RT
48+48	TO	48+65 LT	28+34	TO	30+03 RT
50+30	TO	52+05 LT	30+30	TO	30+49 RT
54+02	TO	56+61 LT	30+88	TO	34+55 RT
56+83	TO	58+66 LT	40+77	TO	43+46 RT
64+44	TO	65+67 LT	51+04	TO	52+00 RT
143+39	TO	146+11 LT	53+57	TO	54+15 RT
148+91	TO	151+93 LT	54+96	TO	56+23 RT
152+43	TO	152+90 LT	56+40	TO	58+02 RT
158+37	TO	158+97 LT	59+45	TO	59+92 RT
161+11	TO	165+89 LT	61+07	TO	61+34 RT
166+12	TO	175+48 LT	144+88	TO	145+85 RT
176+34	TO	181+06 LT	147+46	TO	147+59 RT
181+36	TO	182+07 LT	150+98	TO	151+29 RT
182+76	TO	183+69 LT	157+23	TO	158+00 RT
183+99	TO	185+41 LT	158+56	TO	158+69 RT
185+78	TO	186+33 LT	158+90	TO	159+43 RT
186+49	TO	186+78 LT	159+65	TO	160+55 RT
192+05	TO	192+91 LT	161+31	TO	162+65 RT
192+99	TO	193+30 LT	163+13	TO	163+59 RT
193+76	TO	197+78 LT	163+84	TO	164+59 RT
202+31	TO	202+86 LT	164+75	TO	164+94 RT
203+96	TO	231+42 LT	168+24	TO	170+91 RT
232+03	TO	237+22 LT	171+60	TO	172+60 RT
238+07	TO	239+19 LT	173+48	TO	176+09 RT
240+94	TO	241+04 LT	176+27	TO	177+58 RT
241+69	TO	246+78 LT	177+68	TO	178+44 RT
247+24	TO	247+48 LT	178+81	TO	180+40 RT
247+80	TO	248+43 LT	181+44	TO	185+17 RT
249+77	TO	250+23 LT	185+58	TO	185+88 RT
253+81	TO	254+30 LT	187+09	TO	187+15 RT
257+60	TO	257+68 LT	187+37	TO	188+59 RT
261+74	TO	262+87 LT	191+95	TO	192+04 RT
263+63	TO	267+73 LT	192+05	TO	192+19 RT
268+23	TO	270+65 LT	195+13	TO	197+83 RT
271+10	TO	280+62 LT	200+16	TO	200+67 RT
280+68	TO	282+68 LT	201+20	TO	202+93 RT
283+14	TO	284+10 LT	203+34	TO	223+81 RT
284+61	TO	285+01 LT	225+12	TO	237+17 RT
285+05	TO	288+57 LT	240+88	TO	242+83 RT
289+66	TO	291+15 LT	243+40	TO	245+68 RT
291+31	TO	297+00 LT	247+34	TO	252+24 RT
301+00	TO	302+83 LT	262+83	TO	264+78 RT
303+34	TO	303+92 LT	265+00	TO	278+21 RT
304+88	TO	305+28 LT	278+39	TO	280+52 RT
306+19	TO	312+97 LT	281+11	TO	283+81 RT
			383+82	TO	284+04 RT
			284+40	TO	285+43 RT
			285+74	TO	286+40 RT
			286+54	TO	288+47 RT
			291+77	TO	292+13 RT
			293+42	TO	294+89 RT
			295+41	TO	296+61 RT
			301+00	TO	302+17 RT
			302+36	TO	303+93 RT
			308+71	TO	309+06 RT
			311+00	TO	311+39 RT
			312+22	TO	312+82 RT

REMOVING SINGLE TREE TOP ONLY - ITEM #201.23
REMOVING STUMP - ITEM #201.24

STATION	OFFSET	QUANTITY FOR EACH ITEM NUMBER
27+25	40' RT	1 EACH
27+43	42' RT	1 EACH
38+79	27' LT	1 EACH
38+89	28' LT	1 EACH
38+96	28' LT	1 EACH
39+24	32' LT	1 EACH
48+75	25' LT	1 EACH
50+22	31' LT	1 EACH
52+84	27' LT	1 EACH
53+29	27' LT	1 EACH
53+48	28' LT	1 EACH
53+71	29' LT	1 EACH
58+74	29' RT	1 EACH
59+31	29' RT	1 EACH
60+17	27' RT	1 EACH
144+58	37' RT	1 EACH
146+94	51' RT	1 EACH
156+90	36' LT	1 EACH
158+00	33' LT	1 EACH
158+18	35' LT	1 EACH
160+06	31' LT	1 EACH
160+10	34' LT	1 EACH
160+75	34' LT	1 EACH
160+79	36' LT	1 EACH (STUMP ONLY)
161+03	39' LT	1 EACH
170+78	45' RT	1 EACH
170+83	38' RT	1 EACH
170+88	45' RT	1 EACH
181+09	36' RT	1 EACH
183+85	38' LT	1 EACH (STUMP ONLY)
184+58	44' LT	1 EACH
184+92	45' LT	1 EACH
186+78	36' RT	1 EACH
186+78	38' RT	1 EACH
187+43	26' RT	1 EACH
187+85	38' RT	1 EACH
188+45	27' RT	1 EACH
193+28	24' RT	1 EACH
193+55	24' RT	1 EACH
193+93	26' LT	1 EACH (STUMP ONLY)
194+05	24' RT	1 EACH
194+15	26' LT	1 EACH (STUMP ONLY)
194+16	26' RT	1 EACH
194+26	25' RT	1 EACH
194+43	27' LT	1 EACH (STUMP ONLY)
194+47	26' RT	1 EACH
194+63	24' RT	1 EACH
194+65	27' LT	1 EACH (STUMP ONLY)
194+79	32' RT	1 EACH
195+28	24' RT	1 EACH
195+56	29' LT	1 EACH
195+64	26' RT	1 EACH
195+67	29' LT	1 EACH
195+65	26' RT	1 EACH

REMOVING SINGLE TREE TOP ONLY - ITEM #201.23
REMOVING STUMP - ITEM #201.24

STATION	OFFSET	QUANTITY FOR EACH ITEM NUMBER
195+83	32' LT	1 EACH
195+83	26' RT	1 EACH
195+88	28' LT	1 EACH
196+07	26' RT	1 EACH
196+14	25' RT	1 EACH
196+34	28' LT	1 EACH
196+37	30' LT	1 EACH
196+38	32' LT	1 EACH
196+42	32' LT	1 EACH
196+86	29' LT	1 EACH
196+89	28' LT	1 EACH
197+32	32' LT	1 EACH
197+38	31' LT	1 EACH
197+58	32' LT	1 EACH
197+68	26' LT	1 EACH
197+82	37' LT	1 EACH
198+92	33' LT	1 EACH
200+54	33' LT	1 EACH
238+79	26' RT	1 EACH
240+02	22' RT	1 EACH
240+43	21' RT	1 EACH
240+96	22' RT	1 EACH
241+12	23' RT	1 EACH
241+72	22' RT	1 EACH
242+36	24' RT	1 EACH
242+70	24' RT	1 EACH
242+83	25' RT	1 EACH
242+93	24' RT	1 EACH
242+93	22' RT	1 EACH
244+01	27' RT	1 EACH
244+22	27' RT	1 EACH
244+45	28' RT	1 EACH
245+02	29' RT	1 EACH
245+50	28' RT	1 EACH
245+82	29' RT	1 EACH
245+97	28' RT	1 EACH
246+92	29' RT	1 EACH
247+04	34' RT	1 EACH
248+79	28' LT	1 EACH (STUMP ONLY)
248+90	28' LT	1 EACH
288+78	38' LT	1 EACH
304+32	32' RT	1 EACH
304+48	32' RT	1 EACH
304+69	31' RT	1 EACH
304+89	32' RT	1 EACH
305+10	34' RT	1 EACH
305+17	34' RT	1 EACH
305+29	34' RT	1 EACH
305+36	35' RT	1 EACH
306+77	40' RT	1 EACH
307+16	36' RT	1 EACH
307+46	35' RT	1 EACH
307+53	34' RT	1 EACH
307+56	35' RT	1 EACH
307+60	35' RT	1 EACH
307+64	34' RT	1 EACH
307+77	34' RT	1 EACH
307+85	33' RT	1 EACH
307+92	33' RT	1 EACH
307+99	37' RT	1 EACH
308+04	36' RT	1 EACH
309+26	39' RT	1 EACH
309+60	32' RT	1 EACH
309+81	40' RT	1 EACH
312+73	31' LT	1 EACH
312+92	33' LT	1 EACH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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

FRYEBURG
US ROUTE 302

CONSTRUCTION NOTES

SHEET NUMBER

21

OF 364

Filename: ...\022_Construction Notes_2.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

REMOVING MANHOLE OR CATCH BASIN - ITEM #202.15

STATION	OFFSET	QUANTITY
44+52.69	22.7' RT	1 EACH
45+71.34	23.3' LT	1 EACH
46+07.46	31.6' RT	1 EACH
46+93.77	21.4' RT	1 EACH
52+38.94	23.0' RT	1 EACH
72+95.32	20.8' LT	1 EACH
75+66.62	25.5' LT	1 EACH
77+09.14	27.0' LT	1 EACH
78+14.27	26.4' LT	1 EACH
78+06.17	27.8' RT	1 EACH
192+13.41	19.8' LT	1 EACH
195+01.81	18.0' RT	1 EACH
249+24.04	18.5' LT	1 EACH
249+63.84	18.5' RT	1 EACH

BENCHING (INCIDENTAL TO COMMON EXCAVATION) - ITEM #203.201

STATION	TO	STATION	LENGTH	
51+00 LT	TO	51+75 LT	175	LF
51+25 RT	TO	51+75 RT	50	LF
163+00 LT	TO	164+50 LT	150	LF
168+50 LT	TO	169+50 LT	100	LF
264+00 LT	TO	265+50 LT	150	LF

COFFERDAM - ITEM #511.07 (LUMP SUM) - SEE CONC. BOX CULVERT GENERAL NOTES

LOCATION
UPSTREAM AT STA. 209+92
DOWNSTREAM AT STA. 209+92

PROTECTIVE COATING FOR CONCRETE STRUCTURES - ITEM #515.21

STATION	AREA
209+92	248 SY

TEMPORARY STRUCTURAL SUPPORT STAGE I - ITEM #524.301
TEMPORARY STRUCTURAL SUPPORT STAGE II - ITEM #524.301

STATION	STAGE	SEE PLAN SHEET NUMBER
209+92	I	30 (BOX CULVERT CONSTRUCTION STAGING, STA. 209+92)
209+92	II	30 (BOX CULVERT CONSTRUCTION STAGING, STA. 209+92)

PRECAST CONCRETE BOX CULVERT - ITEM #534.71 (LUMP SUM)

STATION	DIMENSIONS
209+92	87'-0" LENGTH X 10'-0" SPAN X 6'-0" RISE (INSIDE DIMENSIONS)

CONCRETE PIPE TIES - ITEM #603.55

LOCATION OF PIPE END REQUIRING TIES	QUANTITY
STA. 15+00, 32.6' LT.	2 GROUPS
STA. 15+00, 31.4' RT.	2 GROUPS
STA. 20+65, 33.5' LT.	2 GROUPS
STA. 20+65, 30.5' RT.	2 GROUPS
STA. 34+00, 31.4' LT.	2 GROUPS
STA. 34+00, 32.6' RT.	2 GROUPS
STA. 38+00, 65.1' LT.	2 GROUPS
STA. 38+04, 67.0' LT.	2 GROUPS
STA. 38+88, 54.0' RT.	2 GROUPS
STA. 48+75, 40.3' LT.	2 GROUPS
STA. 51+12, 41.0' LT.	2 GROUPS
STA. 51+14, 64.8' LT.	2 GROUPS
STA. 51+27, 54.6' RT.	2 GROUPS
STA. 163+35, 56.3' LT.	2 GROUPS
STA. 164+36, 57.4' RT.	2 GROUPS
STA. 168+91, 57.2' LT.	2 GROUPS
STA. 168+91, 70.8' RT.	2 GROUPS
STA. 177+35, 58.6' LT.	2 GROUPS
STA. 177+99, 61.8' RT.	2 GROUPS
STA. 192+16, 40.5' RT.	2 GROUPS
STA. 265+02, 44' LT.	2 GROUPS
STA. 265+33, 39.3' RT.	2 GROUPS
STA. 303+50, 38.3' LT	2 GROUPS
STA. 303+50, 57.7' RT	2 GROUPS
STA. 610+64, 25.5' LT.	2 GROUPS
STA. 610+64, 38.5' RT.	2 GROUPS

31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, SINGLE FACED - ITEM #606.13
GR LENGTHS ARE MULTIPLES OF 12'-6" (12.5').
LENGTHS FOR GR ENDS AND BRIDGE TRANSITIONS
ARE NOT INCLUDED IN THIS ITEM.

STATION	TO	STATION	LENGTH
50+44 LT	TO	52+44 LT	200.0 LF
50+73 RT	TO	51+98 RT	125.0 LF
54+05 LT	TO	54+15 LT	12.5 LF
54+25 LT	TO	56+25 LT	200.0 LF
56+37 LT	TO	56+44 LT	12.5 LF
161+24 LT	TO	165+24 LT	400.0 LF
163+10 RT	TO	164+85 RT	175.0 LF
176+37 LT	TO	179+50 LT	312.5 LF
176+45 RT	TO	179+58 RT	312.5 LF
207+78 RT	TO	211+91 RT	412.5 LF
208+18 LT	TO	212+18 LT	400.0 LF
251+25 RT	TO	254+39 RT	312.5 LF
253+62 LT	TO	254+50 LT	88.0 LF
257+37 LT	TO	266+51 LT	918.0 LF
257+37 RT	TO	258+76 RT	137.5 LF
287+38 RT	TO	288+93 RT	162.5 LF
288+79 LT	TO	288+92 LT	12.5 LF
289+90 LT	TO	291+82 LT	200.0 LF
289+90 RT	TO	291+71 RT	187.5 LF
292+18 RT	TO	298+53 RT	662.5 LF
297+00 LT	TO	298+95 LT	187.5 LF
299+79 RT	TO	303+38 RT	362.5 LF
299+92 LT	TO	307+75 LT	775.0 LF
309+29 RT	TO	312+48 RT	319.0 LF
311+47 LT	TO	312+80 LT	133.0 LF

31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, 15' RADIUS AND LESS - ITEM #606.1303

STATION	TO	STATION	RADIUS	LENGTH
50+29 LT	TO	50+44 LT	15 FT	25 LF
50+58 RT	TO	50+73 RT	15 FT	25 LF
51+98 RT	TO	52+12 RT	15 FT	25 LF
54+15 LT	TO	54+25 LT	15 FT	12.5 LF
56+25 LT	TO	56+37 LT	15 FT	12.5 LF
162+95 RT	TO	163+10 RT	15 FT	25 LF
176+22 LT	TO	176+37 LT	15 FT	25 LF
176+30 RT	TO	176+45 RT	15 FT	25 LF
251+15 RT	TO	251+25 RT	15 FT	25 LF
258+76 RT	TO	258+91 RT	15 FT	25 LF
288+64 LT	TO	288+79 LT	15 FT	25 LF
291+71 RT	TO	291+86 RT	15 FT	25 LF
292+02 RT	TO	292+17 RT	15 FT	25 LF

31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, FLARED TERMINAL - ITEM #606.1305

STATION	TO	STATION	QUANTITY
52+44 LT	TO	52+81 LT	1 EA
160+87 LT	TO	161+24 LT	1 EA
164+85 RT	TO	165+22 RT	1 EA
165+24 LT	TO	165+61 LT	1 EA
179+50 LT	TO	179+88 LT	1 EA
179+58 RT	TO	179+95 RT	1 EA
207+41 RT	TO	207+78 RT	1 EA
207+81 LT	TO	208+18 LT	1 EA
211+91 RT	TO	212+28 RT	1 EA
212+18 LT	TO	212+55 LT	1 EA
253+25 LT	TO	253+62 LT	1 EA
266+51 LT	TO	266+87 LT	1 EA
208+11 RT	TO	287+47 RT	1 EA
287+48 LT	TO	287+85 LT	1 EA
291+75 LT	TO	292+12 LT	1 EA
296+63 LT	TO	297+00 LT	1 EA
303+38 RT	TO	303+75 RT	1 EA
307+75 LT	TO	308+13 LT	1 EA
308+92 RT	TO	309+29 RT	1 EA
311+10 LT	TO	311+47 LT	1 EA

31 INCH W-BEAM GUARDRAIL, MID-WAY SPLICE, OVER 15' RADIUS - ITEM #606.1304

STATION	TO	STATION	RADIUS	LENGTH
288+69 LT	TO	288+64 LT	15 FT	12.5 LF

BRIDGE TRANSITION (ASYMMETRICAL) - TYPE 1 - ITEM #606.1307

STATION	TO	STATION	QUANTITY
254+49.8 LT	TO	254+68.5 LT	1 EA
254+38.9 RT	TO	254+57.6 RT	1 EA
257+17.8 LT	TO	257+36.6 LT	1 EA
257+17.9 RT	TO	257+36.7 RT	1 EA
312+80.0 LT	TO	312+98.7 LT	1 EA
312+47.6 RT	TO	312+66.3 RT	1 EA

TERMINAL END - SINGLE RAIL - GALVANIZED STEEL - ITEM #606.265

LOCATION		QUANTITY
50+29	LT	1 EA
50+58	RT	1 EA
52+12	RT	1 EA
54+05	LT	1 EA
56+44	LT	1 EA
162+95	RT	1 EA
176+22	LT	1 EA
176+30	RT	1 EA
251+11	RT	1 EA
258+91	RT	1 EA
291+85	RT	1 EA
292+02	RT	1 EA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSK	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CONSTRUCTION NOTES

SHEET NUMBER

22

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HOT MIX ASPHALT SIDEWALK - ITEM #403.209

STATION		TO	STATION		LENGTH
800+05	RT	TO	44+84	RT	269.6 LF
45+16	RT	TO	45+84	RT	68.0 LF
46+16	RT	TO	47+24	RT	108.0 LF
47+56	RT	TO	48+44	RT	88.0 LF
48+86	RT	TO	49+18	RT	32.0 LF
49+59	RT	TO	50+07	RT	48.0 LF
50+43	RT	TO	52+11	RT	168.0 LF
52+31	RT	TO	53+25	RT	94.0 LF
53+74	RT	TO	54+18	RT	44.0 LF
54+38	RT	TO	56+24	RT	186.0 LF
56+44	RT	TO	58+41	RT	197.0 LF
58+61	RT	TO	60+48	RT	187.0 LF
60+68	RT	TO	61+44	RT	76.0 LF
61+64	RT	TO	63+48	RT	184.0 LF
63+67	RT	TO	64+74	RT	110.0 LF

PEDESTRIAN RAMPS (TIP-DOWNS)

LOCATION	
44+84	RT
45+16	RT
45+84	RT
46+16	RT
47+24	RT
47+56	RT
48+44	RT
48+79	RT
49+18	RT
49+59	RT
50+07	RT
50+57	RT
52+11	RT
52+31	RT
53+25	RT
53+74	RT
54+17	RT
54+38	RT
56+24	RT
56+44	RT
58+41	RT
58+61	RT
60+48	RT
60+68	RT
61+44	RT
61+64	RT
63+48	RT
63+68	RT
73+26	21.00' LT
73+26	21.00' RT
73+47	LT
73+87	LT
74+00	RT
74+28	RT
74+50	LT
74+63	RT
74+88	LT
74+93	RT
75+18	LT
75+30	RT
75+33	LT
75+60	RT
75+62	LT
75+77	LT
76+20	LT
76+25	RT
76+31	RT
76+56	LT
77+38	RT
77+44	RT
78+11	RT
78+17	RT
78+51	RT
78+72	RT

CURB RAMP DETECTABLE WARNING FIELD - ITEM #608.26

LOCATION	AREA
STA. 42+60, 85.9' RT. (STA. 800+22, 2.5' LT.)	8 SF
STA. 42+68, 59.1' RT. (STA. 800+49, 2.5' LT.)	8 SF
STA. 53+17, 19.7' RT.	14 SF
STA. 53+83, 20.0' RT.	14 SF
STA. 69+95, 42.1' RT.	8 SF
STA. 70+14, 42.2' RT.	8 SF
STA. 73+26, 22.0' LT.	8 SF
STA. 73+26, 22.0' RT.	8 SF
STA. 73+95, 44.4' RT.	8 SF
STA. 74+26, 41.5' RT.	8 SF

CURB TYPE 3 MOLD 1 - ITEM #609.31

STATION		TO	STATION		LENGTH
50+56.92	17.00' RT	TO	52+11.07	17.00' RT	154.2 LF
52+30.79	17.00' RT	TO	53+14.08	17.39' RT	83.9 LF
53+86.29	17.68' RT	TO	54+17.48	17.00' RT	31.2 LF
54+37.70	17.00' RT	TO	56+24.10	17.00' RT	186.4 LF
56+44.10	17.00' RT	TO	58+41.01	17.00' RT	196.9 LF
58+61.37	17.00' RT	TO	60+47.97	17.00' RT	186.6 LF
60+68.00	17.00' RT	TO	61+43.85	17.00' RT	75.9 LF
61+64.12	17.00' RT	TO	63+47.67	17.00' RT	183.6 LF
63+67.83	17.00' RT	TO	63+80.36	17.00' RT	12.5 LF
152+53.49	RT	TO	153+59.53	RT	221.8 LF *ISLAND
153+89.38	RT	TO	154+35.58	RT	104.1 LF *ISLAND
188+00.00	LT	TO	188+35.00	LT	74.9 LF *ISLAND
188+65.00	LT	TO	189+35.00	LT	149.7 LF *ISLAND
189+65.00	LT	TO	191+50.00	LT	309.7 LF *ISLAND

CURB TYPE 3 MOLD 2 - ITEM #609.31

STATION		TO	STATION		LENGTH
37+50.00	17.00' RT	TO	43+80.00	17.00' RT	630.0 LF
53+24.72	22.00' RT	TO	620+50.00	10.05' LT	32.9 LF
620+50.00	10.12' RT	TO	53+74.26	22.00' RT	41.1 LF
52+81.11	29.00' LT	TO	52+93.90	26.81' LT	12.8 LF
53+17.85	22.70' LT	TO	53+93.51	17.00' LT	75.7 LF
58+02.01	17.00' LT	TO	60+34.69	17.00' LT	232.7 LF
60+54.41	17.00' LT	TO	60+82.50	17.00' LT	28.1 LF
61+02.22	17.00' LT	TO	62+50.00	17.00' LT	150.0 LF
63+80.36	17.00' RT	TO	64+68.17	17.00' RT	87.8 LF
64+88.17	17.00' RT	TO	65+81.63	17.00' RT	93.5 LF
66+01.55	17.00' RT	TO	67+34.82	17.00' RT	133.3 LF
67+54.88	17.00' RT	TO	68+91.51	17.00' RT	136.6 LF
69+11.51	17.00' RT	TO	640+60.86	8.94' LT	95.5 LF
640+55.95	8.11' LT	TO	640+50.00	8.00' LT	6.0 LF
640+50.00	8.00' RT	TO	640+56.06	8.10' RT	6.1 LF
640+60.84	8.90' RT	TO	71+04.03	19.16' RT	101.8 LF
71+24.03	19.96' RT	TO	72+07.18	21.00' RT	83.2 LF
72+27.18	21.00' RT	TO	73+23.70	21.00' RT	96.5 LF
73+28.70	21.00' RT	TO	701+88.65	14.05' LT	76.9 LF
701+50.00	13.00' LT	TO	701+83.61	13.13' LT	33.6 LF
701+50.00	13.03' RT	TO	701+84.45	13.00' RT	34.5 LF
151+00.00	21.00' RT	TO	152+23.51	21.00' RT	123.5 LF
153+60.00	17.00' LT	TO	154+90.44	17.00' LT	130.4 LF
154+72.97	21.00' RT	TO	154+99.10	21.00' RT	26.1 LF
155+10.44	17.00' LT	TO	156+24.88	17.00' LT	114.4 LF
155+41.17	21.00' RT	TO	155+98.00	21.00' RT	56.8 LF

CURB TYPE 3 MOLD 3 - ITEM #609.31

STATION		TO	STATION		LENGTH
25+10.00	17.00' RT	TO	26+36.80	17.00' RT	126.8 LF
27+06.76	17.00' RT	TO	28+00.01	17.00' RT	93.3 LF
156+44.88	17.00' LT	TO	157+74.11	17.00' LT	129.2 LF
157+95.11	17.00' LT	TO	159+07.85	17.00' LT	112.7 LF
159+29.85	17.00' LT	TO	159+56.00	17.00' LT	26.1 LF
159+76.00	17.00' LT	TO	160+29.08	19.09' LT	53.2 LF
160+60.08	24.41' LT	TO	160+86.76	28.98' LT	27.1 LF
169+52.00	17.00' RT	TO	170+95.40	17.00' RT	143.4 LF
170+22.63	17.00' LT	TO	173+56.52	17.00' LT	333.9 LF
171+29.16	17.00' RT	TO	173+56.52	17.00' RT	227.4 LF
182+02.00	17.00' LT	TO	182+51.03	17.00' LT	49.0 LF
182+74.71	17.00' LT	TO	185+41.35	17.00' LT	266.6 LF
185+61.39	17.00' LT	TO	186+31.15	17.00' LT	69.8 LF
186+50.88	17.00' LT	TO	186+89.77	17.00' LT	38.9 LF
187+28.77	17.00' LT	TO	188+00.00	17.00' LT	71.2 LF
192+46.75	17.00' RT	TO	192+60.64	17.00' RT	13.9 LF
193+01.60	17.00' RT	TO	193+60.10	17.00' RT	58.5 LF
193+74.27	17.00' LT	TO	196+00.00	17.00' LT	225.7 LF
193+80.10	17.00' RT	TO	194+92.03	17.00' RT	111.9 LF
195+04.03	17.00' RT	TO	196+00.00	17.00' RT	96.0 LF
239+50.00	17.00' LT	TO	239+86.00	17.00' LT	36.0 LF
239+50.00	17.00' RT	TO	240+59.68	17.00' RT	109.7 LF
240+06.00	17.00' LT	TO	240+33.00	17.00' LT	27.0 LF
240+63.00	17.00' LT	TO	241+25.80	17.00' LT	62.8 LF
240+79.69	17.00' RT	TO	242+00.00	17.00' RT	119.7 LF
241+53.51	17.00' LT	TO	242+00.00	17.00' LT	46.5 LF
267+00.00	27.22' LT	TO	267+28.14	21.83' LT	29.1 LF
267+67.32	17.00' LT	TO	270+81.53	17.00' LT	317.9 LF
271+07.17	17.00' LT	TO	271+40.09	17.00' LT	33.3 LF
271+07.17	17.00' LT	TO	271+40.09	17.00' LT	33.3 LF

REINFORCED CONCRETE SIDEWALK - ITEM #608.08

STATION		TO	STATION		AREA
69+86	RT	TO	69+97	RT	5.9 SY
70+13	RT	TO	70+24	RT	5.7 SY
73+24	LT	TO	73+47	LT	13.2 SY
73+24	RT	TO	73+29	RT	11.5 SY
73+80	LT	TO	74+02	LT	12.8 SY
73+90	RT	TO	73+97	RT	3.7 SY
74+23	RT	TO	74+63	RT	30.0 SY
74+93	RT	TO	75+30	RT	29.5 SY
75+60	RT	TO	78+51	RT	175.5 SY
78+72	RT	TO	79+00	RT	15.6 SY

Filename: ...\023_Construction Notes_3.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

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17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	
DESIGN2-DETAILED2	-----	
DESIGN3-DETAILED3	-----	
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

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DATE

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US ROUTE 302

CONSTRUCTION NOTES

SHEET NUMBER

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OF 364

Filename: ...\024_Construction Notes_4.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

PLAIN RIPRAP (DOWN SPOUT) - ITEM #610.08

LOCATION	VOLUME
28+04 RT	6.8 CY
50+50 RT	3.8 CY
51+12 LT	6.8 CY
52+70 LT	2.2 CY
57+97 LT	6.4 CY
62+55 LT	4.9 CY
156+03 RT	7.8 CY
160+89 LT	3.7 CY
169+48 RT	8.2 CY
170+17 LT	10.8 CY
173+61 RT	6.9 CY
173+61 LT	6.9 CY
181+95 LT	12.8 CY
191+66 LT	4.5 CY
192+41 RT	10.9 CY
193+43 LT	4.4 CY
242+06 LT	4.5 CY
242+06 RT	4.5 CY
267+00 LT	7.2 CY
271+40 LT	16.0 CY

PLAIN RIPRAP (INLET/OUTLET PROT.) - ITEM #610.08

LOCATION	VOLUME
15+00 LT	2.2 CY
15+00 RT	2.2 CY
20+65 LT	2.8 CY
20+65 RT	2.8 CY
34+00 LT	2.2 CY
34+00 RT	2.2 CY
38+00 LT	10.2 CY
38+88 RT	3.3 CY
48+75 LT	2.2 CY
48+92 RT	2.2 CY
51+14 LT	4.9 CY
51+27 RT	4.9 CY
163+39 LT	12.0 CY
164+32 RT	12.0 CY
164+92 RT	2.0 CY
168+91 RT	4.2 CY
168+90 LT	4.2 CY
177+38 LT	10.7 CY
177+97 RT	10.7 CY
192+16 LT	2.0 CY
192+16 RT	3.5 CY
265+02 LT	2.2 CY
265+33 RT	2.2 CY
303+50 LT	2.2 CY
303+50 RT	2.2 CY
610+64 LT	2.2 CY
610+64 RT	2.2 CY
620+47 RT	1.1 CY
671+37 LT	2.2 CY
671+78 RT	2.2 CY
681+45 LT	2.2 CY
681+49 RT	2.2 CY
690+66 LT	2.2 CY
690+69 RT	2.2 CY
722+79 LT	2.8 CY

PLAIN RIPRAP (RIPRAP APRON) - ITEM #610.08

LOCATION	VOLUME
15+00 LT	1.7 CY
20+65 LT	4.1 CY
34+00 LT	1.7 CY
48+75 LT	1.7 CY
51+14 LT	22.1 CY
164+92 RT	1.0 CY
168+91 RT	13.9 CY
192+16 RT	8.1 CY
265+02 LT	1.7 CY
610+64 LT	1.7 CY
671+37 LT	1.7 CY
681+49 RT	1.7 CY
690+66 LT	1.7 CY

PLAIN RIPRAP (UNDERDRAIN OUTLET PROT.) - ITEM #610.08

LOCATION	VOLUME
50+79 LT	0.5 CY
51+84 LT	0.5 CY
161+90 LT	0.5 CY
246+50 LT	0.5 CY
252+00 RT	0.5 CY

PLAIN RIPRAP (PLUNGE POOL) - ITEM #610.08

LOCATION	VOLUME
38+00 LT	1.1 CY
38+12 LT	1.1 CY
51+21 LT	9.2 CY

PLAIN RIPRAP (BOX CULVERT INLET/OUTLET PROT.) - ITEM #610.08

LOCATION	VOLUME
209+92 LT	25.0 CY
209+92 RT	25.0 CY

STONE DITCH PROTECTION - ITEM #610.18

STATION	TO	STATION		VOLUME
51+18	TO	51+92	LT	11.5 CY
163+71	TO	164+26	RT	8.3 CY
163+44	TO	164+17	LT	13.3 CY
176+69	TO	177+08	LT	7.0 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

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HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
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REVISIONS 1			
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CONSTRUCTION NOTES

SHEET NUMBER

24

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Filename: ...\025_Construction Notes_5.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

EROSION CONTROL BLANKET, 2-6% DITCH SLOPES - ITEM #613.319

STATION	TO	STATION	WIDTH	AREA
52+00	TO	52+50 LT	5'	31 SY
62+50	TO	68+00 LT	VARIES	489 SY
169+61	TO	170+00 RT	6'	28 SY
173+50	TO	176+00 LT	6'	167 SY
173+50	TO	176+00 RT	6'	167 SY
178+35	TO	181+04 LT	6'	182 SY
178+55	TO	180+85 RT	6'	155 SY
181+37	TO	181+96 LT	6'	39 SY
183+62	TO	185+00 RT	7'	111 SY
198+00	TO	200+16 LT	7'	168 SY
198+00	TO	198+86 RT	6'	144 SY
200+39	TO	202+84 RT	6'	163 SY
200+50	TO	202+77 LT	6'	151 SY
203+50	TO	204+37 RT	6'	58 SY
203+83	TO	208+27 LT	6'	298 SY
206+43	TO	207+80 RT	6'	95 SY
213+69	TO	221+50 LT	6'	523 SY
216+55	TO	223+84 RT	6'	487 SY
222+18	TO	231+58 LT	6'	629 SY
224+67	TO	232+84 RT	6'	545 SY
242+00	TO	244+00 LT	7'	133 SY
242+00	TO	244+00 RT	7'	133 SY
287+25	TO	288+49 LT	6'	82 SY
287+25	TO	288+33 RT	6'	74 SY

TURF REINFORCEMENT MAT (TRM) - ITEM #613.40

STATION	TO	STATION		AREA
48+49	TO	48+71	LT	20 SY
48+77	TO	49+02	LT	21 SY
244+00	TO	245+81	LT	141 SY
244+00	TO	246+98	RT	226 SY
247+25	TO	250+89	RT	284 SY
247+70	TO	252+48	LT	347 SY
251+16	TO	251+76	RT	46 SY
252+80	TO	253+17	LT	25 SY

SEEDING METHOD NUMBER 1 - ITEM #618.13

STATION	TO	STATION	STATION	TO	STATION
39+79	TO	48+49 LT	52+31	TO	54+96 RT
49+06	TO	50+44 LT	58+35	TO	59+48 RT
53+18	TO	53+94 LT	59+93	TO	79+00 RT
58+62	TO	61+86 LT	152+54	TO	154+36 RT
66+05	TO	79+00 LT	165+22	TO	167+06 RT
153+90	TO	160+95 LT	192+27	TO	196+00 RT
182+02	TO	188+00 LT			
237+82	TO	241+73 LT			

SEEDING METHOD NUMBER 2 - ITEM #618.14

STATION	TO	STATION	STATION	TO	STA
12+39	TO	39+63 LT	12+02	TO	43+
48+49	TO	49+06 LT	48+85	TO	49+
50+44	TO	52+94 LT	50+43	TO	52+
54+05	TO	58+62 LT	54+48	TO	59+
61+86	TO	66+05 LT	144+50	TO	152
143+50	TO	153+90 LT	154+56	TO	165
160+95	TO	182+02 LT	167+06	TO	192
191+50	TO	237+82 LT	196+00	TO	254
241+73	TO	254+64 LT	257+19	TO	289
257+19	TO	289+00 LT	290+00	TO	297
290+00	TO	298+50 LT	300+50	TO	312
300+50	TO	313+00 LT	720+50	TO	722
720+50	TO	723+36 LT			

SINGLE WOOD POST - ITEM #606.47

STATION	OFFSET	STATION	OFFSET
36+25	31' LT	12+81	31' RT
39+77	55' LT	56+70	21' RT
46+91	18' LT	58+40	22' RT
50+00	22' LT	60+90	90' RT
61+07	19' LT	63+77	25' RT
239+81	22' LT	65+20	24' RT
267+42	36' LT	155+72	26' RT
		162+97	30' RT
		165+90	22' RT
		180+94	20' RT
		182+63	22' RT
		185+51	23' RT
		187+67	22' RT
		192+47	26' RT
		193+81	23' RT
		193+82	23' RT
		193+83	23' RT

MULTIPLE MAILBOX SUPPORT - ITEM #606.51

STATION	OFFSET
61+29	30' RT
155+72	26' RT
165+92	22' RT

EROSION CONTROL MIX - ITEM #619.1401

Place 4" thick on all 2:1 backslopes, over 2" loam. No overlap with Erosion Control Blanket along ditches.

STATION	TO	STATION		VOLUME
14+00	TO	14+91	RT	12 CY
15+09	TO	15+35	RT	3 CY
15+55	TO	20+59	RT	180 CY
20+73	TO	21+80	RT	18 CY
22+80	TO	25+10	RT	75 CY
28+05	TO	35+00	RT	366 CY
51+96	TO	52+48	LT	11 CY
143+50	TO	146+50	LT	192 CY
147+08	TO	150+30	LT	97 CY
155+98	TO	157+98	RT	86 CY
158+50	TO	160+63	RT	94 CY
160+91	TO	161+46	LT	26 CY
161+06	TO	162+60	RT	107 CY
163+09	TO	163+72	RT	26 CY
164+17	TO	165+88	LT	126 CY
166+18	TO	168+34	LT	105 CY
168+61	TO	169+79	LT	80 CY
173+73	TO	176+00	LT	94 CY
174+00	TO	176+06	RT	58 CY
176+36	TO	177+06	LT	22 CY
176+44	TO	177+24	RT	41 CY
178+36	TO	181+05	LT	152 CY
178+57	TO	180+85	RT	95 CY
181+37	TO	182+02	LT	22 CY
191+99	TO	192+12	RT	3 CY
194+50	TO	198+00	LT	315 CY
196+00	TO	198+81	RT	152 CY
200+38	TO	202+85	RT	151 CY
200+50	TO	202+80	LT	142 CY
203+30	TO	204+37	RT	21 CY
203+83	TO	207+91	LT	125 CY
206+43	TO	207+73	RT	29 CY
213+69	TO	221+50	LT	371 CY
216+59	TO	223+84	RT	270 CY
222+27	TO	231+59	LT	212 CY
224+66	TO	232+85	RT	314 CY
247+27	TO	250+88	RT	126 CY
249+50	TO	250+19	LT	42 CY
252+80	TO	253+17	LT	4 CY
262+79	TO	264+73	RT	72 CY
266+55	TO	270+92	RT	625 CY
267+96	TO	270+70	LT	325 CY
277+76	TO	280+29	LT	131 CY
278+66	TO	280+72	RT	140 CY
281+04	TO	283+76	RT	148 CY
281+64	TO	282+85	LT	91 CY
285+49	TO	286+32	RT	51 CY
285+53	TO	288+49	LT	113 CY
286+60	TO	287+25	RT	38 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	R. CARRELL	R. CARRELL	
CHECKED-REVIEWED	M. DEBOWSKI	M. DEBOWSKI	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

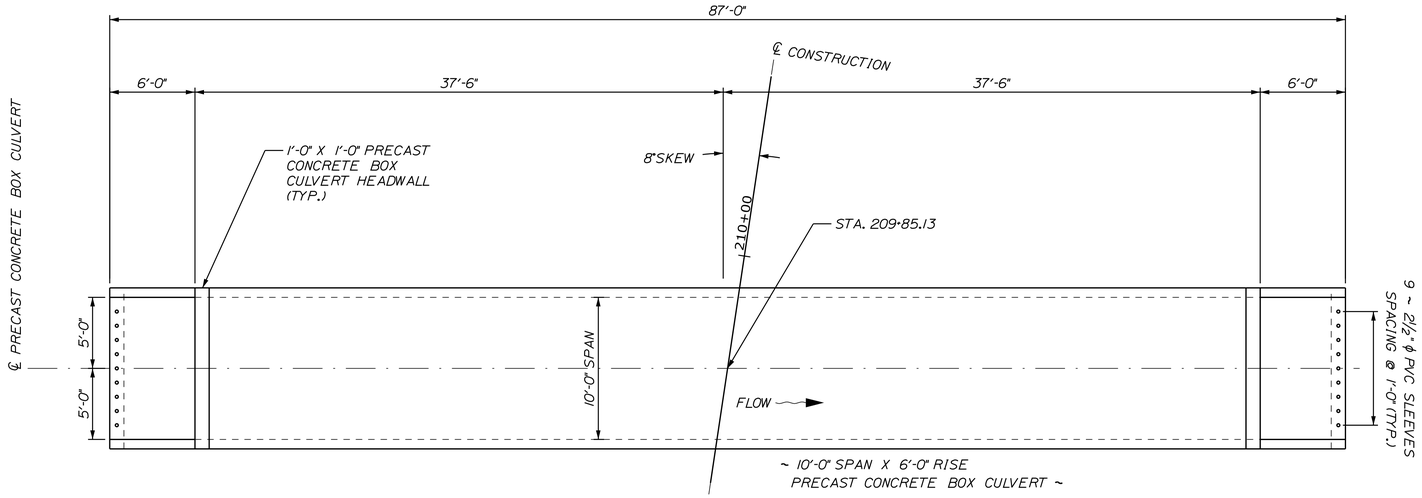
CONSTRUCTION NOTES

SHEET NUMBER

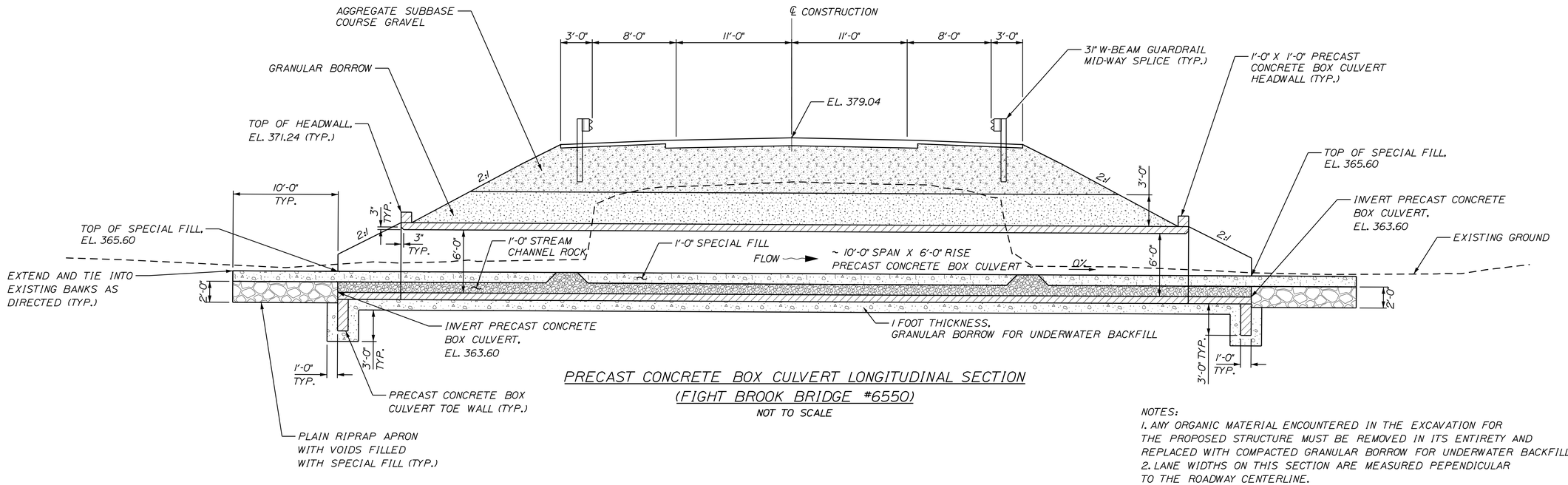
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OF 364

Filename: ...\026_Box Culvert Details Sta 209_1.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



PRECAST CONCRETE BOX CULVERT PLAN
(FIGHT BROOK BRIDGE #6550)
NOT TO SCALE



PRECAST CONCRETE BOX CULVERT LONGITUDINAL SECTION
(FIGHT BROOK BRIDGE #6550)
NOT TO SCALE

NOTES:
1. ANY ORGANIC MATERIAL ENCOUNTERED IN THE EXCAVATION FOR THE PROPOSED STRUCTURE MUST BE REMOVED IN ITS ENTIRETY AND REPLACED WITH COMPACTED GRANULAR BORROW FOR UNDERWATER BACKFILL.
2. LANE WIDTHS ON THIS SECTION ARE MEASURED PEPENDICULAR TO THE ROADWAY CENTERLINE.

STATE OF MAINE
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NH-1728(000)E

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HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	R. LEMIRE	STOCKTON	
CHECKED-REVIEWED	------	------	
DESIGN2-DETAILED2	------	------	
DESIGN3-DETAILED3	------	------	
REVISIONS 1	------	------	
REVISIONS 2	------	------	
REVISIONS 3	------	------	
REVISIONS 4	------	------	
FIELD CHANGES	------	------	

SIGNATURE

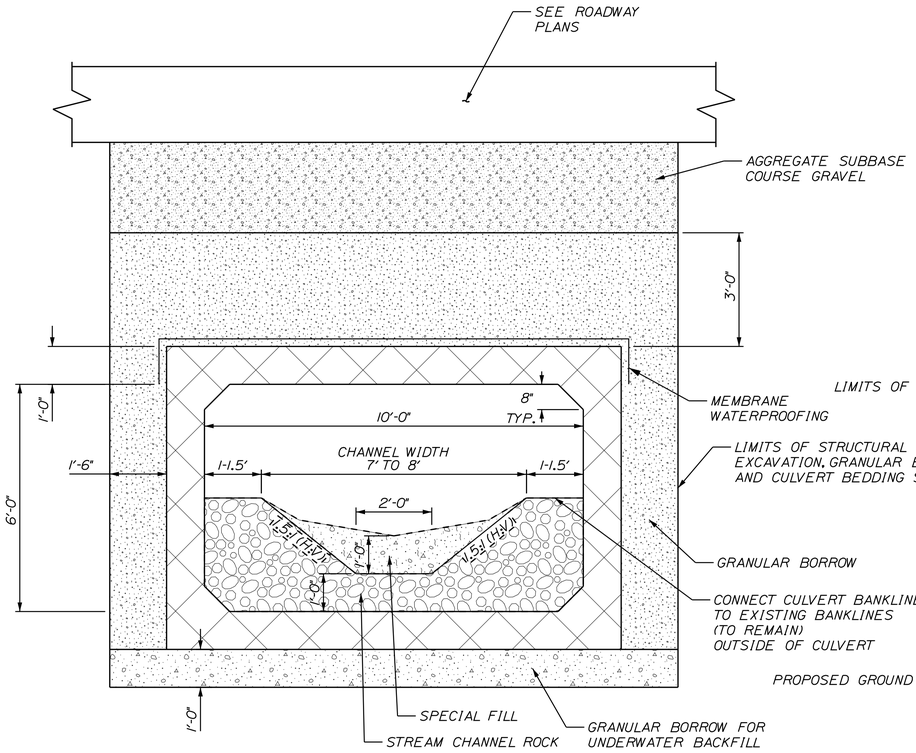
P.E. NUMBER

DATE

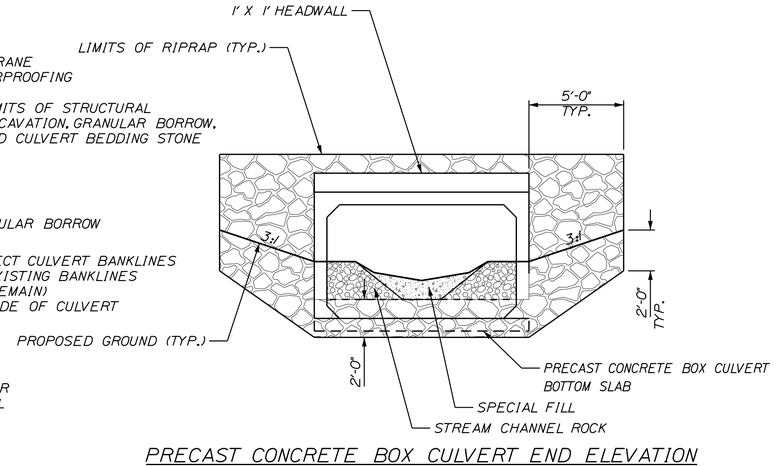
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US ROUTE 302

SPECIAL DETAILS

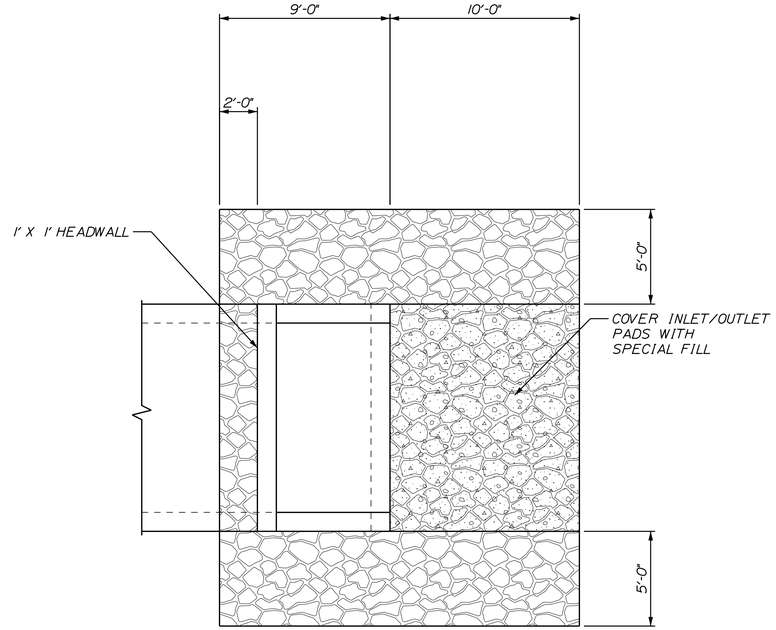
SHEET NUMBER
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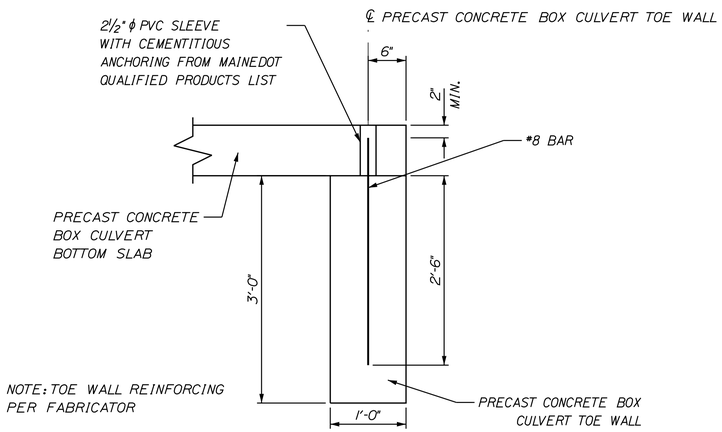
PERCAST CONCRETE BOX CULVERT SECTION
NOT TO SCALE



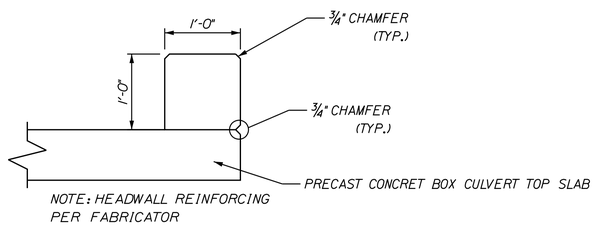
PRECAST CONCRETE BOX CULVERT END ELEVATION
NOT TO SCALE



RIPRAP LAYOUT
NOT TO SCALE



PRECAST CONCRETE BOX CULVERT TOE WALL DETAIL
NOT TO SCALE



PRECAST CONCRETE BOX CULVERT HEADWALL DETAIL
NOT TO SCALE

STATE OF MAINE
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HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL	BY	DATE
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CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
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REVISIONS 1	------	------	------
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US ROUTE 302

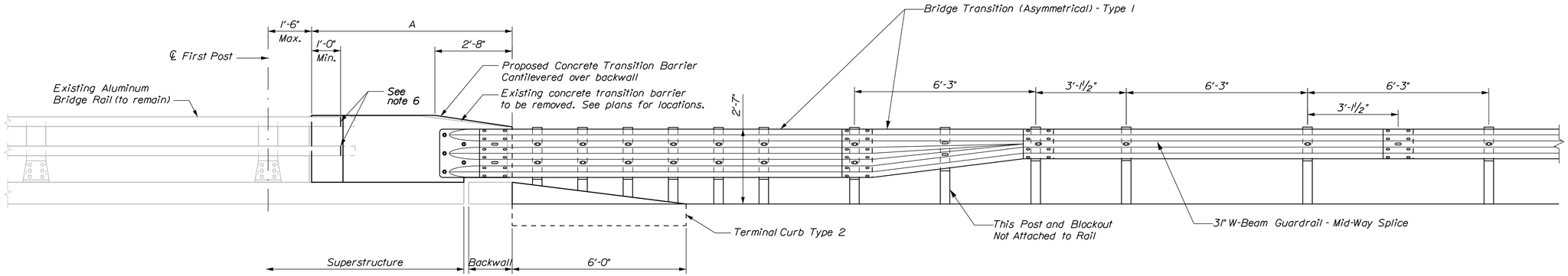
SPECIAL DETAILS

SHEET NUMBER

27

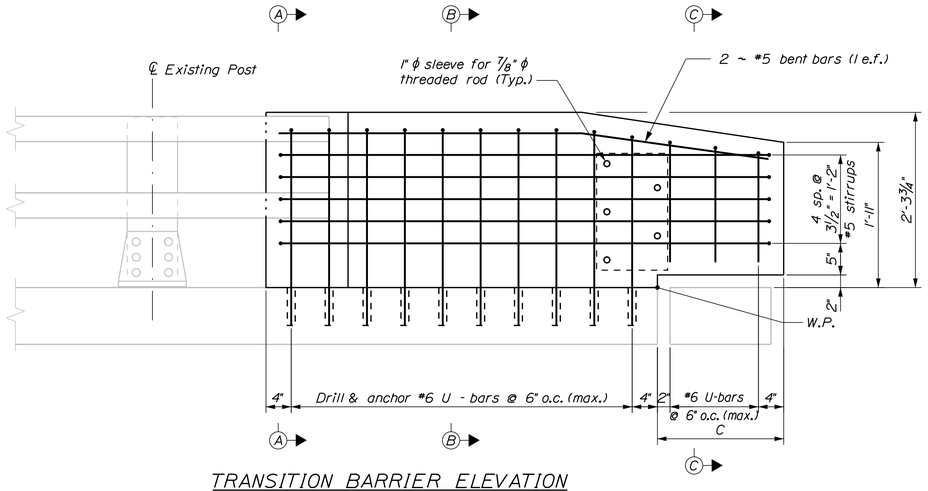
OF 364

Filename: ...\027_Box Culvert Details Sta 209_2.dgn Division: HIGHWAY Usermame: mdebowski Date:12/10/2018



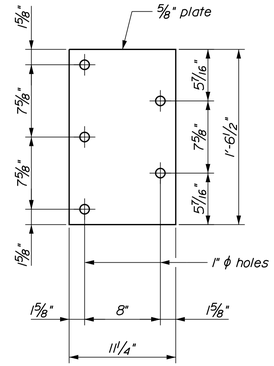
CONCRETE TRANSITION BARRIER

Roadway elevation shown

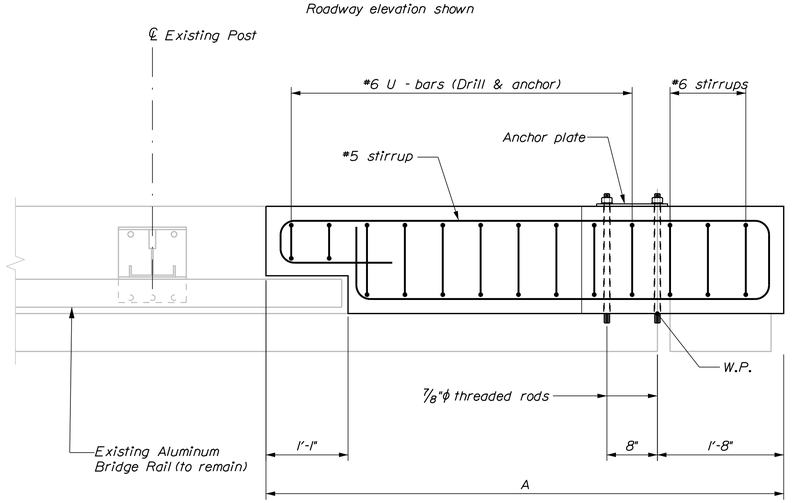


TRANSITION BARRIER ELEVATION

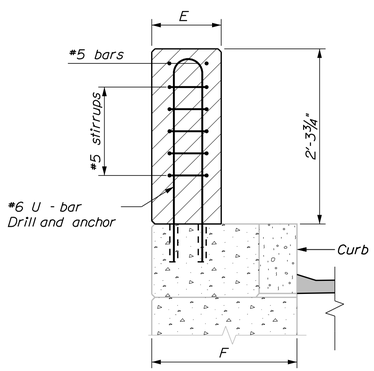
Roadway elevation shown



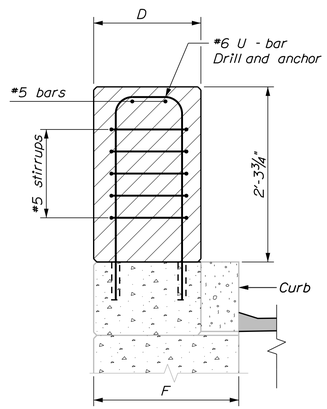
ANCHOR PLATE



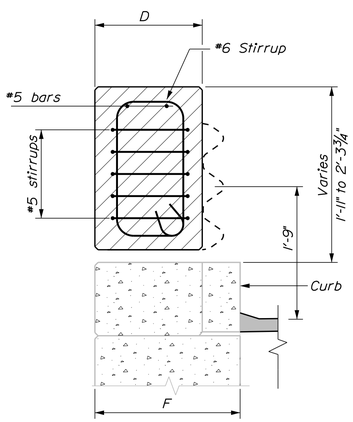
TRANSITION BARRIER PLAN



SECTION A-A



SECTION B-B



SECTION C-C

CONCRETE TRANSITION BARRIER NOTES

1. Refer to Special Provision Section 606, Standard Specification Section 526 - Concrete Barrier and Standard Details Section 526 - Concrete Transition Barrier for details and information not shown.

2. Reinforcing steel for the Transition Barriers is based on details shown in the Standard Details. Reinforcing steel shall be modified to fit the details and conditions shown on the plans. Payment for modifying reinforcing steel and for drilling and anchoring bars as shown will be considered incidental to Item No. 606.1307, Bridge Transition (Asymmetrical) - Type 1.

3. Anchor plates and threaded rods shall be galvanized in accordance with the Standard Specifications and the Standard Details.

4. The contractor shall locate existing curb reinforcing steel and conduit and adjust dowel locations to avoid cutting existing bars and damaging existing utility conduit. Any adjustments from plan dimensions shall be approved by the Resident.

5. The contractor shall trim rail sections as directed by the Resident to provide 12" of projection into the transition barrier recess.

6. All curb and endpost modifications shall be incidental to Item No. 606.1307, Bridge Transition (Asymmetrical) - Type 1.

7. Excavation and backfill required for construction or modification of concrete transition barrier shall be incidental to Item No. 606.1307, Bridge Transition (Asymmetrical) - Type 1.

8. The contractor shall field measure dimensions of the existing concrete transition barrier prior to removal. The "A", "C", "D", and "E" dimensions of the Proposed Concrete Transition Barrier, as shown on this sheet, shall match the equivalent existing dimensions.

STATE OF MAINE
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NH-1728(000)E

WIN 17280.00

BRIDGE NO. 2635

BRIDGE PLANS

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI	S. BABALIS	
CHECKED-REVIEWED	------	------	SIGNATURE
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	P.E. NUMBER
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	DATE
FIELD CHANGES	------	------	------

FRYEBURG
US ROUTE 302

SPECIAL DETAILS

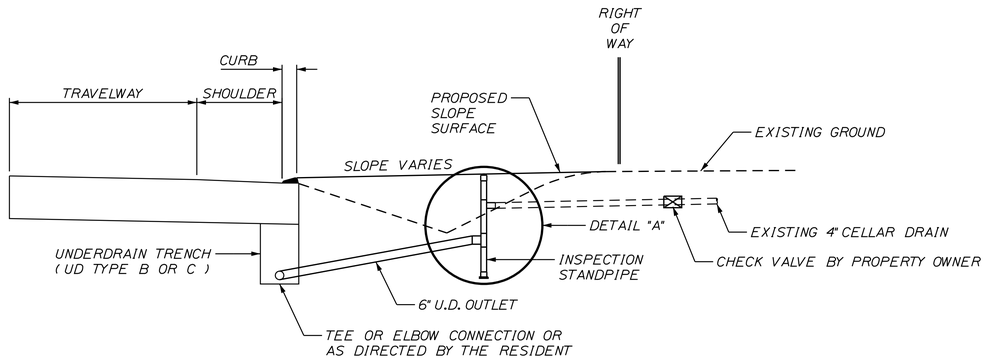
SHEET NUMBER

28

OF 364

Filename: ...\028_Bridge Rail Transition Detail.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

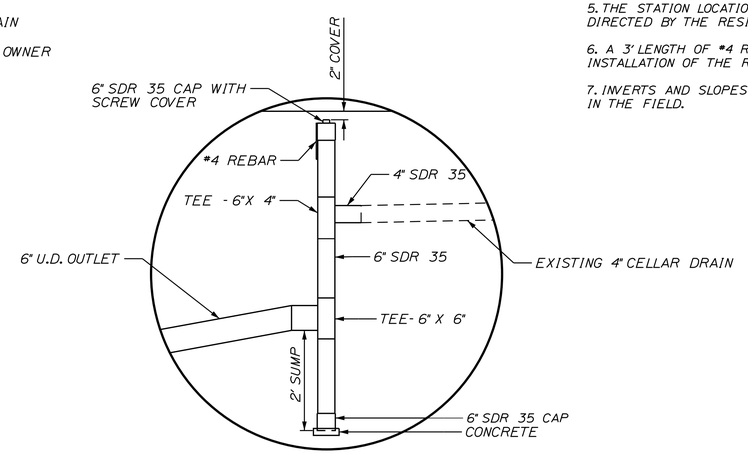
CELLAR DRAIN CONNECTION DETAIL: UNDERDRAIN SECTION



KNOWN LOCATIONS

LOCATION	POR*
183+47 LEFT	59
184+50 LEFT	60

* SEE PROPERTY OWNER REPORTS FOR DETAILED INFORMATION ON CELLAR DRAINS



DETAIL "A"
INSPECTION STANDPIPE

UNDERDRAIN SECTION NOTES:

1. PAYMENT FOR 6" CONNECTION FROM THE INSPECTION STANDPIPE TO THE PROPOSED UNDERDRAIN SYSTEM SHALL BE A 6" 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.

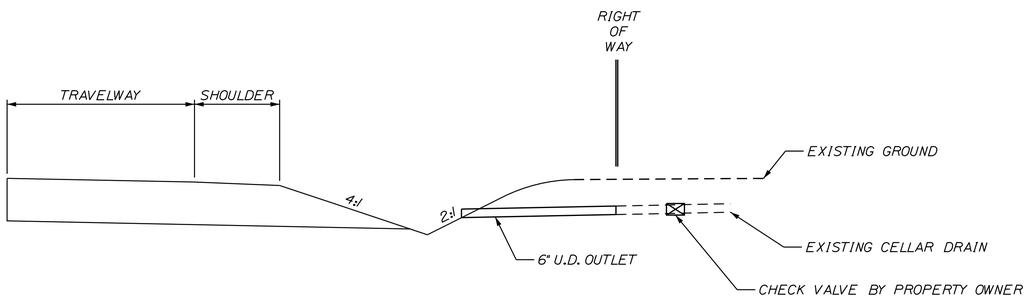
4. PAYMENT FOR CONNECTION OF THE EXISTING CELLAR DRAIN TO THE INSPECTION STANDPIPE SHALL BE INCIDENTAL TO ITEM NO. 801.141 OR 801.16.

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. INSTALLATION OF 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.

CELLAR DRAIN CONNECTION DETAIL: DITCH SECTION



DITCH SECTION 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 DITCH SHALL 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

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI	------	------
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

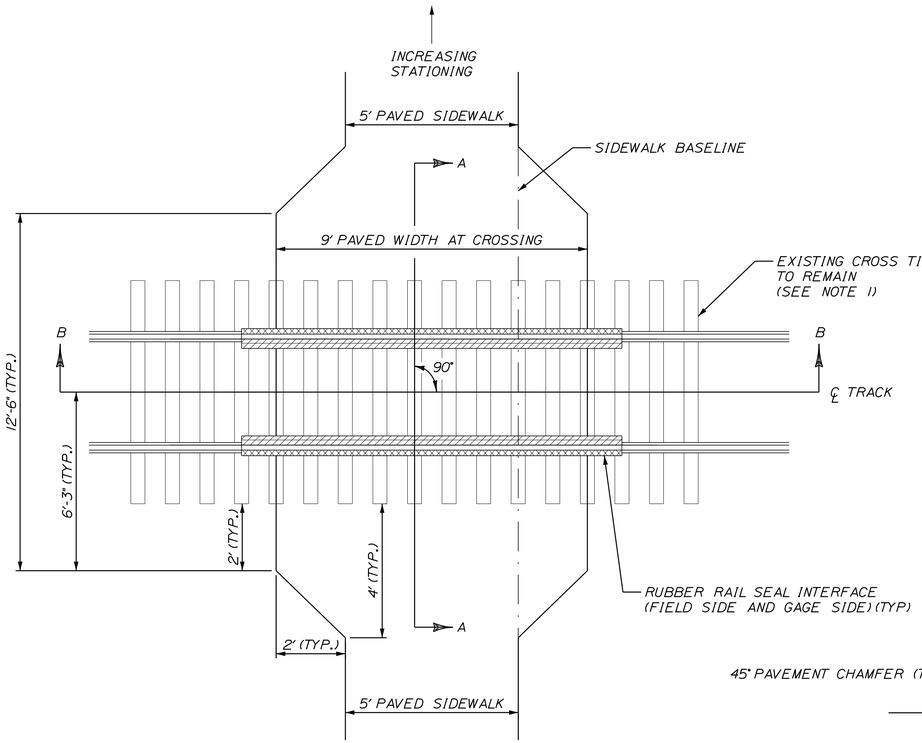
SPECIAL DETAILS

SHEET NUMBER

29

OF 364

Username: mdebowski Date:12/10/2018
Division: HIGHWAY
Filename: ...\029_Cellar Drain Detail.dgn

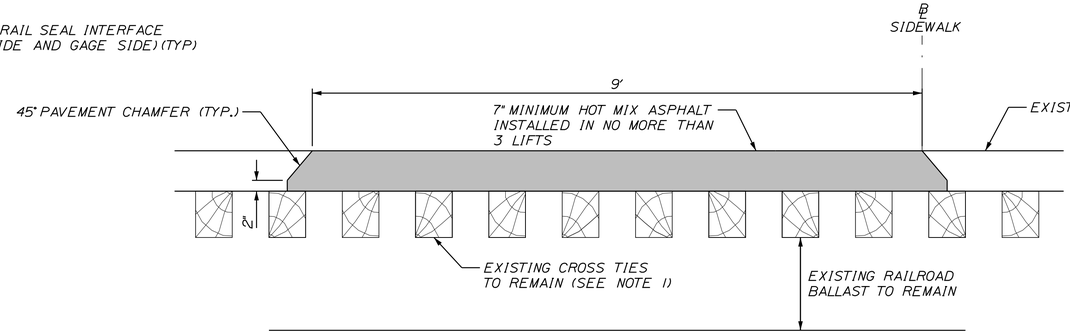


RAILROAD CROSSING
PLAN VIEW
NOT TO SCALE

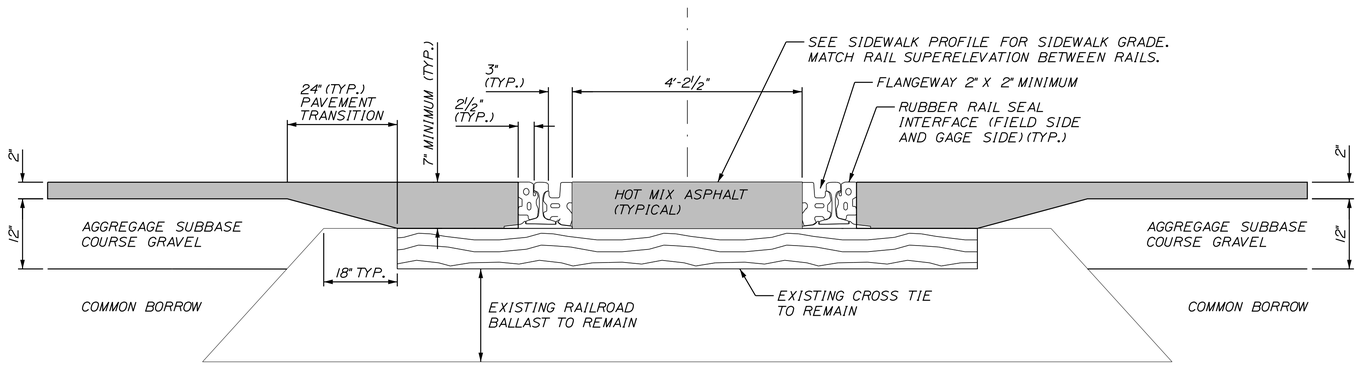
GENERAL NOTES

1. IF DETERMINED IN THE FIELD, AT NO FAULT OF THE CONTRACTOR, THAT INDIVIDUAL TIES NEED TO BE REPLACED, PAYMENT SHALL BE MADE AS ITEM ---- (REMOVAL AND REPLACEMENT OF CROSS TIES)

2. THE FLANGEWAY CROSSING SURFACE SHALL CONSIST OF A RUBBER RAILSEAL INTERFACE AS MANUFACTURED BY POLYCORP OR PERFORMANCE POLYMERS, INC., OR APPROVED EQUIVALENT. ALTERNATIVE CROSSING SURFACES MAY BE INSTALLED WITH THE APROVAL OF MAINE DOT.



SECTION B-B
ALONG RAILROAD CENTERLINE
NOT TO SCALE



SECTION A-A
ALONG SIDEWALK
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	-----	-----	SIGNATURE
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	P.E. NUMBER
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	DATE
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

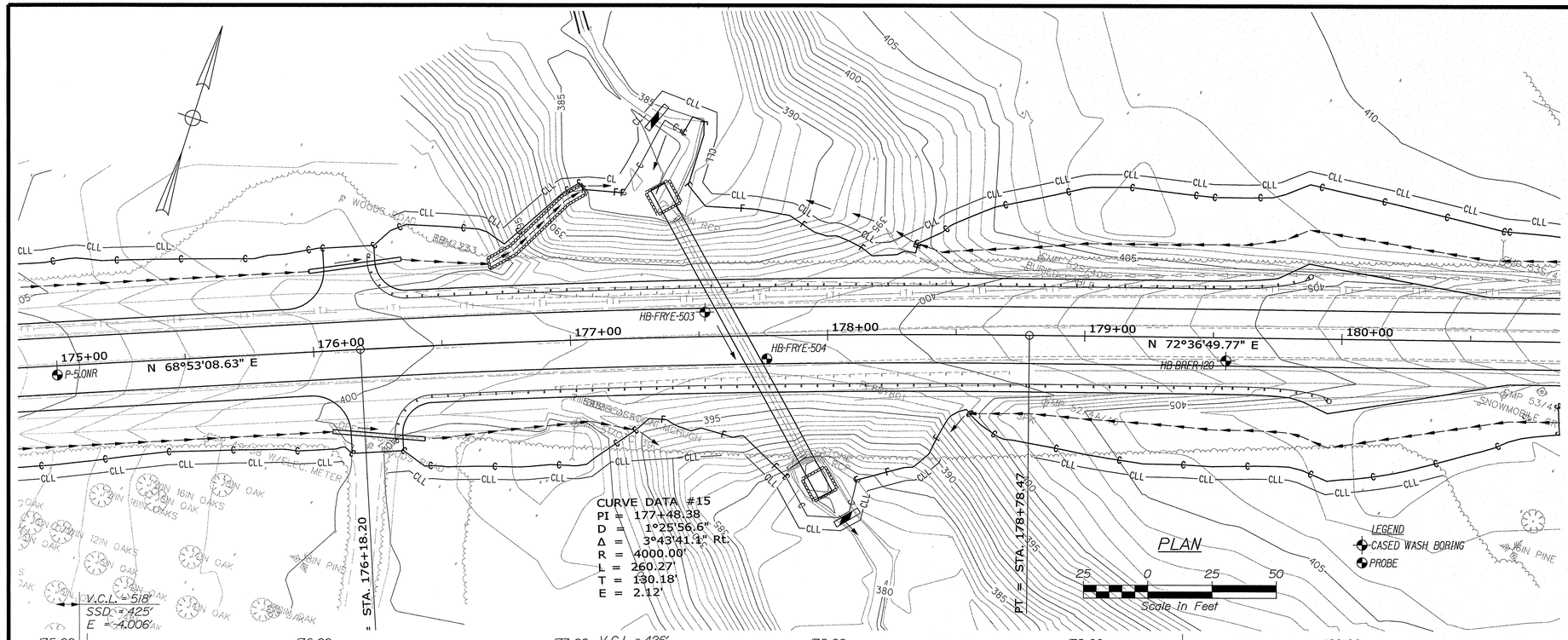
FRYEBURG
US ROUTE 302

SPECIAL DETAILS

SHEET NUMBER
30
OF 364

Filename: ...\MSTA\030_Roil_Crossing.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\031_BLP&ISP1 177+65 .dgn Division: GEOTECH Username: kate.maguire Date:12/11/2018



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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

STATE OF MAINE
Kathleen Maguire
7120
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7120

DATE 12/11/2018

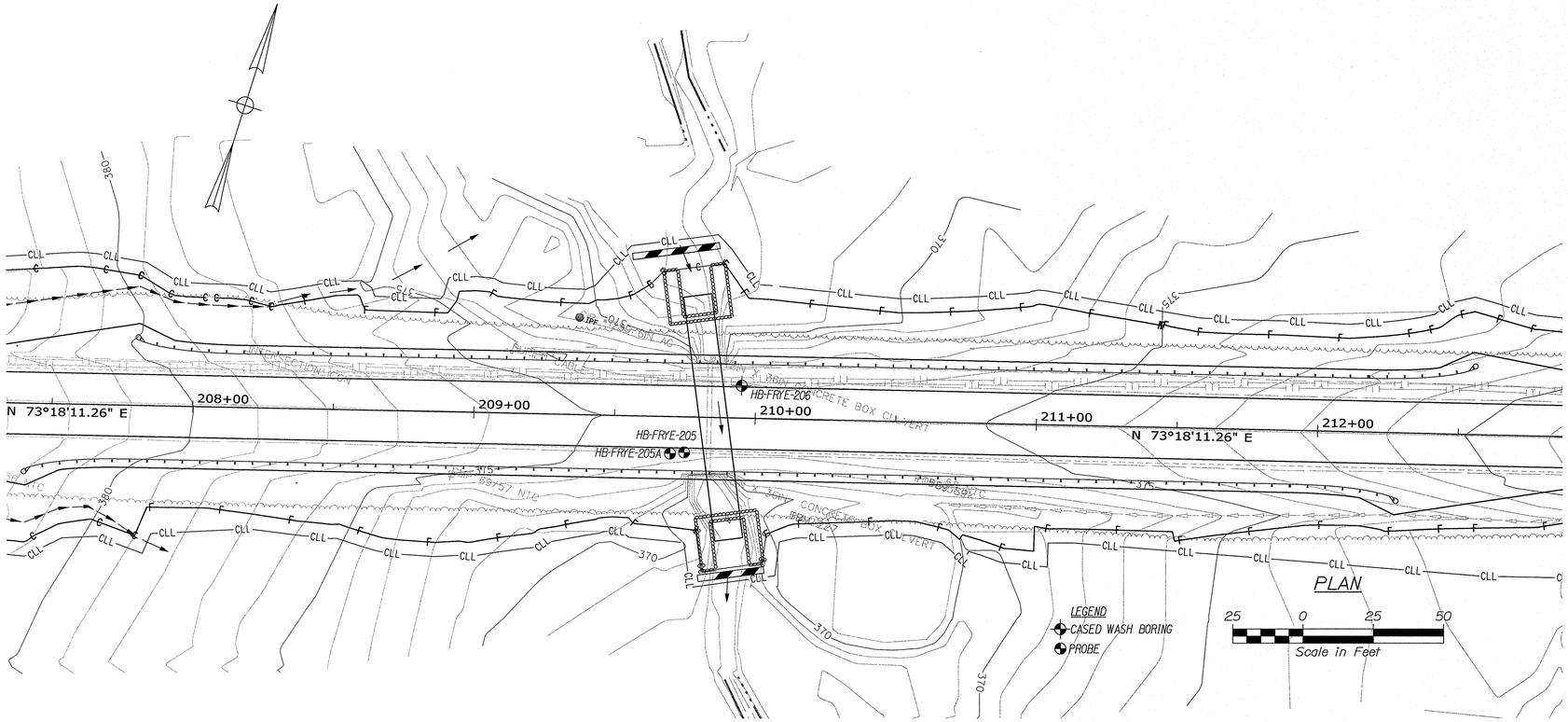
	BY	DATE
PROJ. MANAGER	R. HOUGH	
DESIGN-DETAILED	R. BETZ	
CHECKED-REVIEWED	R. BETZ	OCT 2018
DESIGN2-DETAILED2	K.MAGUIRE	11/13/2011
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1	R. BETZ	
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

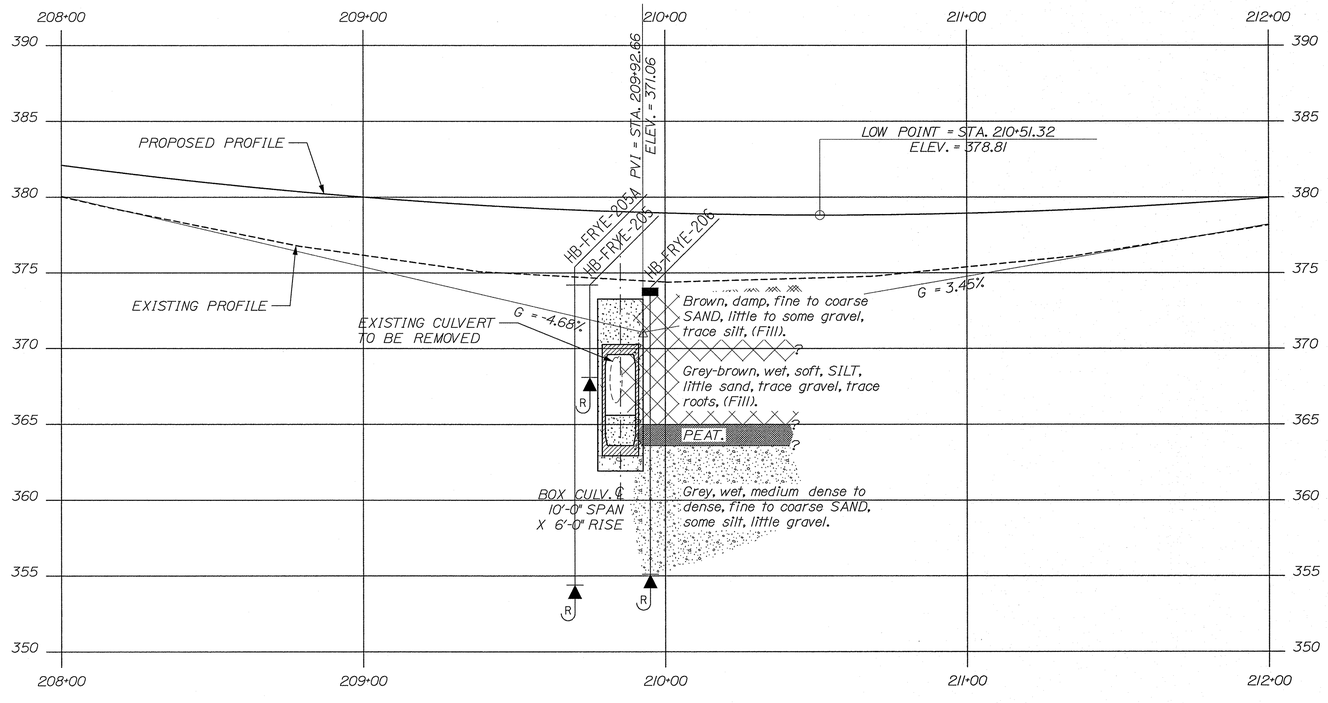
FRYEBURG
U.S. ROUTE 302

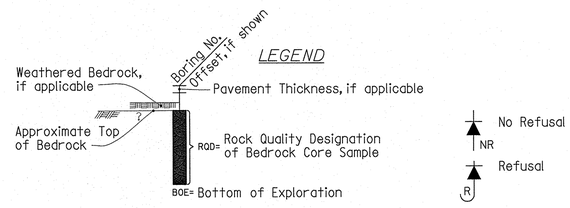
BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

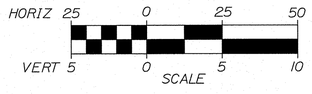
SHEET NUMBER
31
OF 364

Username: kate.maguire Date:12/11/2018
Filename: ...\MSTA\032_BLP&SP2 209+85.dgn Division: GEOTECH









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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

STATE OF MAINE ★ Kathleen Maguire 7120 ★ LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	R. HOUGH		
DESIGN-DETAILED	R. BETZ		
CHECKED-REVIEWED	K. MAGUIRE	T. WHITE	OCT 2018
DESIGN2-DETAILED2	K. MAGUIRE	T. WHITE	OCT 2018
DESIGN3-DETAILED3	R. BETZ		11\3\2011
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE 7/22

P.E. NUMBER 12/6/2018

DATE

FRYEBURG
U.S. ROUTE 302

BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

32

OF 364

Filename: ...\033_BORING LOGS\177+65 .dgn Division: GEOTECH Username: kate.maguire Date:12/11/2018

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 302 Reconstruction
Location: Fryeburg, Maine

Boring No.: HB-FRYE-503
WIN: 17280.00

Driller:	MaineDOT	Elevation (ft.)	398.4	Auger ID/OD:	5" Solid Stem
Operator:	Travis/Austin	Datum:	NAVD88	Sampler:	Standard Split Spoon
Logged By:	B.Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	140#/30"
Date Start/Finish:	6/9/2016: 09:30-12:30	Drilling Method:	Cased Wash Boring	Core Barrel:	N/A
Boring Location:	177+53, 9.5 ft Lt.	Casing ID/OD:	NW-3"	Water Level*:	None Observed
Hammer Efficiency Factor: 0.908		Hammer Type:	Automatic ☒ Hydraulic ☐ Rope & Cathead ☐		

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
MU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test. PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOP = Weight of One Person
S_{fp} = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-uncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = (Hammer Efficiency Factor/60%)•N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
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. Sheet Strength or RQD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation E (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0							SSA	397.6		10" HMA.	
										0.8	
5	1D	24/19	5.00 - 7.00	3/4/3/3	7	11				Light brown, damp, medium dense, fine to coarse SAND, trace silt, trace gravel. (Fill).	GM270732 A-3, SP-SM WC=6.9%
10	2D	24/21	10.00 - 12.00	1/1/2/2	3	5				Light brown, damp, loose, fine to coarse SAND, trace silt, trace gravel. (Fill).	GM270733 A-3, SP WC=6.7%
15	3D/A	24/17	15.00 - 17.00	2/2/2/2	4	6	4			3D (15.0-16.6 ft) Light brown, damp, loose, fine to coarse SAND, trace silt, trace gravel. (Fill).	GM270734 A-3, SP-SM WC=24.6%
							18			3D/A (16.6-17.0) Wood.	
							9			Wood from 16.6-17.1 ft bgs.	
							15	379.9		18.5	
							31				
20	4D	24/16	20.00 - 22.00	6/6/6/6	12	18	7			Brown, wet, medium dense, fine to coarse SAND, trace silt, trace gravel.	GM270735 A-2-4, SP-SM WC=17.0%
							21				
							25				
							14				
							24				
25	5D	24/18	25.00 - 27.00	1/1/1/1	2	3	OPEN			Brown, wet, very loose, fine to coarse SAND, little silt, trace gravel.	GM270736 A-2-4, SM WC=18.9%
							HOLE				
30	6D	24/20	30.00 - 32.00	8/45/22/17	67	101				Brown, wet, very dense, fine to coarse SAND, some gravel, some silt.	GM270737 A-1-b, SM WC=11.9%
								366.4		32.0	
35										Bottom of Exploration at 32.0 feet below ground surface. NO REFUSAL	
40											
45											
50											

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-FRYE-503

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 302 Reconstruction
Location: Fryeburg, Maine

Boring No.: HB-FRYE-504
WIN: 17280.00

Drilling Contractor:	MaineDOT	Elevation (ft.)	398.4	Auger ID/OD:	5" Dia.
Operator:	Travis/Austin	Datum:	NAVD88	Sampler:	N/A
Logged By:	B.Wilder	Rig Type:	CME 45C	Hammer Wt./Fall:	N/A
Date Start/Finish:	6/9/2016: 09:30-12:30	Drilling Method:	Solid Stem Auger	Core Barrel:	N/A
Boring Location:	177+76, 9.0 ft Rt.	Casing ID/OD:	N/A	Water Level*:	None Observed

Definitions:
D = Split Spoon Sample
S = Sample off Auger Flights
B = Bucket Sample off Auger Flights
MD = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
MU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test. PP= Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOP = Weight of 1 Person
S_{fp} = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-value = Raw Field SPT N-value
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent ↑ = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in. Sheet Strength or RQD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0						SSA			Probe, no soil samples taken.	
5										
10										
15										
20										
25										
30							368.4		30.0 Bottom of Exploration at 30.0 feet below ground surface. NO REFUSAL	
35										
40										
45										
50										

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-FRYE-504

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

STATE OF MAINE ★ ENGINEER ★ Kathleen Maguire 7120 ★ PROFESSIONAL ★

SIGNATURE

7120
P.E. NUMBER

12/11/2018
DATE

	BY	DATE
PROJ. MANAGER	R. HOUGH	
DESIGN-DETAILED	R. BEITZ	
CHECKED-REVIEWED	R. BEITZ	
DESIGN2-DETAILED2	K.MAGUIRE	DEC 2018
DESIGN3-DETAILED3	T.WHITE	
REVISIONS 1	R. BEITZ	11\30\2018
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

FRYEBURG
U.S. ROUTE 302

BORING LOGS

SHEET NUMBER
33
OF 364

Username: kate.maguire Date:12/11/2018
Filename: ...\034_BORING LOGS2 209+85.dgn Division: GEOTECH

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 302 Reconstruction
Location: Fryeburg, Maine

Boring No.: HB-FRYE-205A
WIN: 17280.00

Drilling Contractor:	Northern Test Boring	Elevation (ft.) 374.2	Auger ID/OD: 5" Dia.
Operator:	Mike/Adam	Datum: NAVD88	Sampler: N/A
Logged By:	B.Wilder	Rig Type: Diedrich D-50	Hammer Wt./Fall: N/A
Date Start/Finish:	3/10/2015-3/10/2015	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	209+70. 13.0 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions:
S = Sample off Auger Flights
B = Bucket Sample off Auger Flights
SO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Field Vane Shear Test Attempt
V = Field Vane Shear Test. PP= Pocket Penetrometer
MJ = Unsuccessful Thin Wall Tube Sample Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOP = Weight of 1 Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-value = Raw Field SPT N-value
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent T = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in. Shear Strength (psf) or ROD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0						SSA			Probe, no soil samples taken.	
5										
10										
15										
20							354.40		Bottom of Exploration at 19.8 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.

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 302 Reconstruction
Location: Fryeburg, Maine

Boring No.: HB-FRYE-205
WIN: 17280.00

Drilling Contractor:	Northern Test Boring	Elevation (ft.) 374.2	Auger ID/OD: 5" Dia.
Operator:	Mike/Adam	Datum: NAVD88	Sampler: N/A
Logged By:	B.Wilder	Rig Type: Diedrich D-50	Hammer Wt./Fall: N/A
Date Start/Finish:	3/10/2015-3/10/2015	Drilling Method: Solid Stem Auger	Core Barrel: N/A
Boring Location:	209+75. 12.5 ft Rt.	Casing ID/OD: N/A	Water Level*: None Observed

Definitions:
S = Sample off Auger Flights
B = Bucket Sample off Auger Flights
SO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Field Vane Shear Test Attempt
V = Field Vane Shear Test. PP= Pocket Penetrometer
MJ = Unsuccessful Thin Wall Tube Sample Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOP = Weight of 1 Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-value = Raw Field SPT N-value
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent T = Similar or Equal too
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in. Shear Strength (psf) or ROD (%)	N-value	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0						SSA			Probe, no soil samples taken.	
5										
10							368.10		Bottom of Exploration at 6.1 feet below ground surface. REFUSAL, Boulder or Old Footing.	
15										
20										
25										

Remarks:

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

Maine Department of Transportation

Soil/Rock Exploration Log
US CUSTOMARY UNITS

Project: Route 302 Reconstruction
Location: Fryeburg, Maine

Boring No.: HB-FRYE-206
WIN: 17280.00

Driller:	Northern Test Boring	Elevation (ft.) 374.0	Auger ID/OD: 2.75-6.25"
Operator:	Mike/Adam	Datum: NAVD88	Sampler: Standard Split Spoon
Logged By:	B.Wilder	Rig Type: Diedrich D-50 Track	Hammer Wt./Fall: 140lb/30"
Date Start/Finish:	3/10/2015: 12:30-14:00	Drilling Method: Hollow Stem Auger	Core Barrel: N/A
Boring Location:	209+95. 11.5 ft Lt.	Casing ID/OD: N/A	Water Level*: None Observed
Hammer Efficiency Factor: 0.879		Hammer Type: Automatic ☒ Hydraulic ☐ Rope & Cathead ☐	

Definitions:
D = Split Spoon Sample
SO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test. PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOP = Weight of One Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-uncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-value corrected for Hammer Efficiency
N_{60} = (Hammer Efficiency Factor/60%)*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
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 ROD (%)	N-uncorrected	N_{60}	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0							HSA	373.5		6" PAVEMENT. 0.5	
										Brown, damp, fine to coarse SAND, some gravel, trace silt. (Fill).	
										Brown, damp, fine to coarse SAND, little gravel. (Fill).	
5	10	24/15	5.00 - 7.00	2/2/1/1	3	4					GM266615 A-4, ML WC=29.1%
								365.0		Grey-brown, wet, soft, SILT, little sand, trace gravel, trace roots. (Fill). 9.0	
10	20/A	24/18	10.00 - 12.00	3/14/14/14	28	41		363.5		2D (10.0-10.5 ft) PEAT. 10.5	GM266616 A-1-b, SW WC=11.1%
										20/A (10.5-12.0 ft) Grey, wet, dense, fine to coarse SAND, some silt, little gravel.	
15	30	24/19	15.00 - 17.00	7/5/6/9	11	16				Grey, wet, medium dense, fine to coarse SAND, some silt, little gravel.	
								355.1		Bottom of Exploration at 18.9 feet below ground surface. REFUSAL 18.9	
20											
25											

Remarks:
Auto Hammer #283

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.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

STATE OF MAINE
Kathleen Meguire
7120
REGISTERED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	R. HOUGH	
DESIGN-DETAILED	R. BETZ	DEC 2018
CHECKED-REVIEWED	T. WHITE	
DESIGN2-DETAILED2	K.MAGUIRE	11.3.2011
DESIGN3-DETAILED3		
REVISIONS 1	R. BETZ	
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER 7120
DATE 12/11/2018

FRYEBURG
U.S. ROUTE 302

BORING LOGS

SHEET NUMBER
34
OF 364

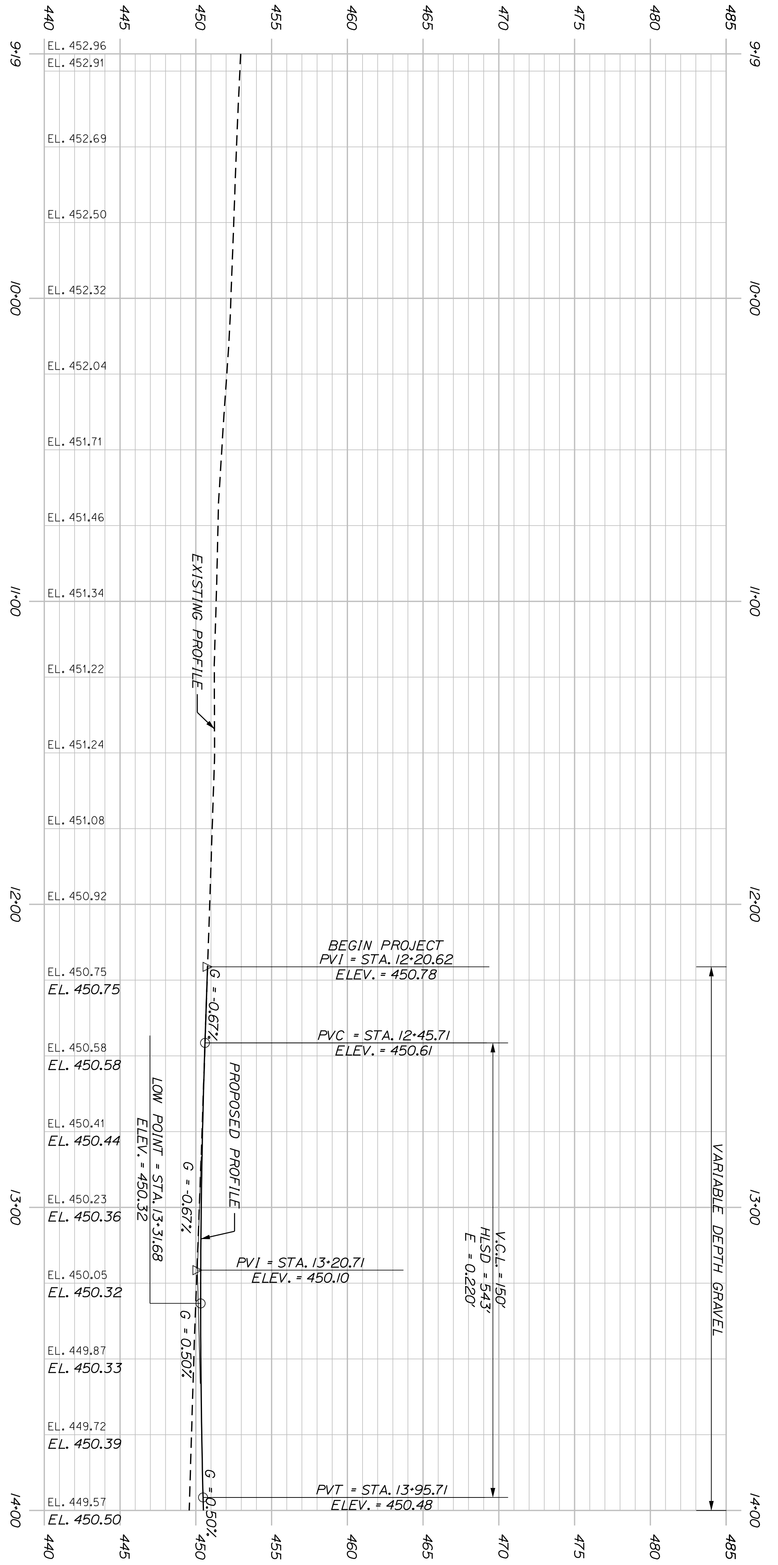
CLEARING FROM START OF PROJECT (STA. 12+20.62) LEFT TO STA. 29+60 LEFT SHALL NOT BE CLEARED DURING THE LAST WEEK OF JULY THRU FIRST TWO WEEKS OF AUGUST.

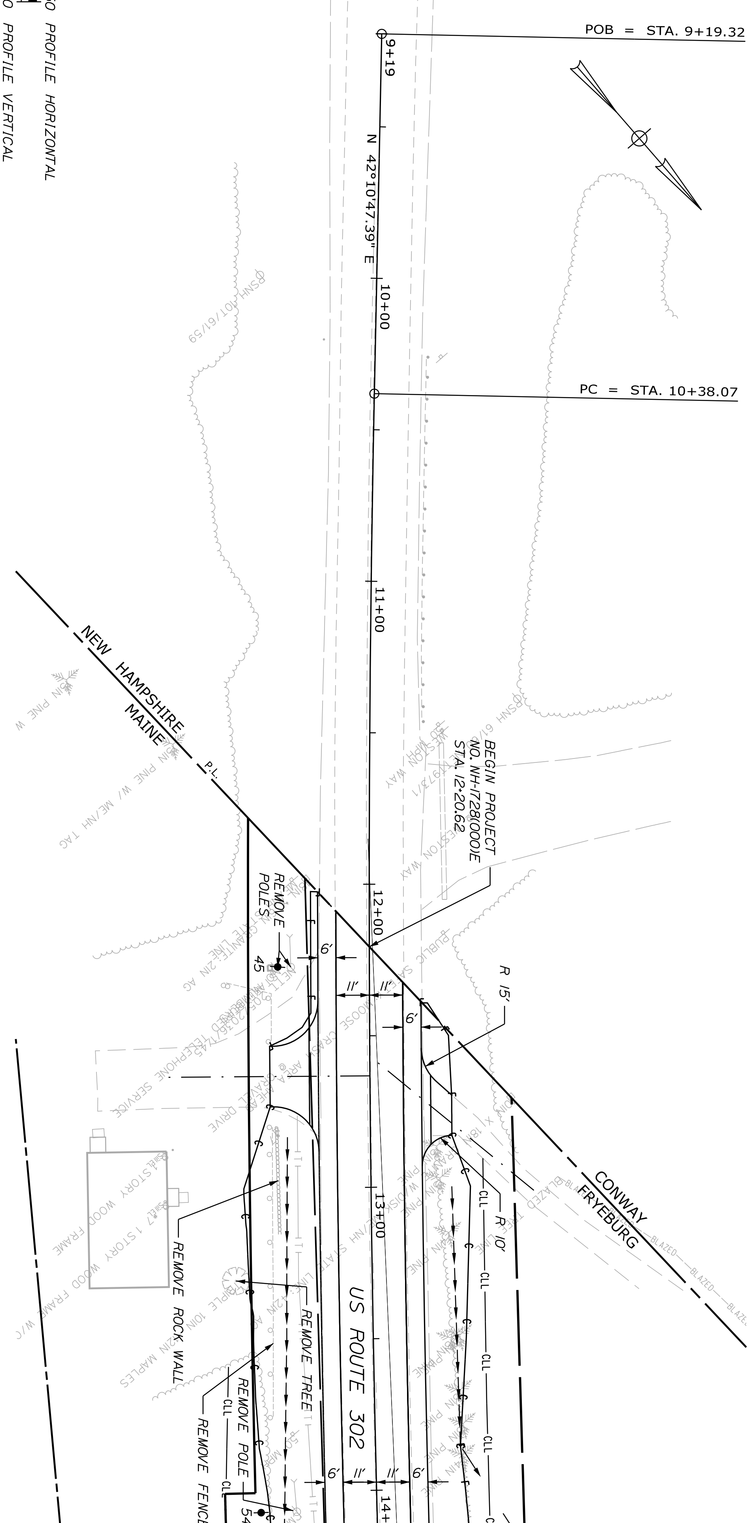
SCALE OF FEET

PLAN 5 0 5 25 0 25 50

PROFILE HORIZONTAL

PROFILE VERTICAL 10 0 10 20 30 40 50





PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER 35 OF 364

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

CURVE DATA #1
PI = 13+32.85
D = 0°42'58.3"
Δ = 4°13'13.4" Lt.
R = 8000.00'
L = 589.28'
T = 294.77'
E = 5.43'

PT = STA. 16+27.35

CLEARING FROM START OF PROJECT (STA. 12+20.62) LEFT TO STA. 29+60 LEFT SHALL NOT BE CLEARED DURING THE LAST WEEK OF JULY THRU FIRST TWO WEEKS OF AUGUST.

US ROUTE 302

N 37°57'34.04" E

18" X 64' RCP

24" X 64' RCP

REMOVE POLE

REMOVE CULVERT

542/44

541/43

540/42

539/41

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL

V.C.L. = 100'
SSD = 1129'
E = -0.125'

PVC = STA. 16+02.32
ELEV. = 451.51

PVI = STA. 16+52.32
ELEV. = 451.76

PVT = STA. 17+02.32
ELEV. = 451.51

HIGH POINT = STA. 16+52.32
ELEV. = 451.64

V.C.L. = 100'
HLSD = 441'
E = 0.125'

PVC = STA. 20+18.64
ELEV. = 449.93

PVI = STA. 20+68.64
ELEV. = 449.68

LOW POINT = STA. 20+68.64
ELEV. = 449.81

PROPOSED PROFILE

EXISTING PROFILE

G = 0.50%

G = 0.50%

G = -0.50%

G = -0.50%

G = -0.50%

G = 0.50%

EL. 449.57	EL. 449.43	EL. 449.31	EL. 449.20	EL. 449.17	EL. 449.14	EL. 449.17	EL. 449.24	EL. 449.29	EL. 449.24	EL. 449.19	EL. 449.10	EL. 448.95	EL. 448.80	EL. 448.63	EL. 448.47	EL. 448.31	EL. 448.16	EL. 448.01	EL. 447.86	EL. 447.71	EL. 447.56	EL. 447.42	EL. 447.28	EL. 447.14	EL. 447.02	EL. 446.90	EL. 446.84	EL. 446.78
EL. 450.50	EL. 450.62	EL. 450.75	EL. 450.87	EL. 451.00	EL. 451.13	EL. 451.25	EL. 451.38	EL. 451.50	EL. 451.60	EL. 451.64	EL. 451.61	EL. 451.52	EL. 451.40	EL. 451.27	EL. 451.15	EL. 451.02	EL. 450.90	EL. 450.77	EL. 450.65	EL. 450.52	EL. 450.40	EL. 450.27	EL. 450.15	EL. 450.02	EL. 449.90	EL. 449.82	EL. 449.81	EL. 449.85

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00

485 480 475 470 465 460 455 450 445 440

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

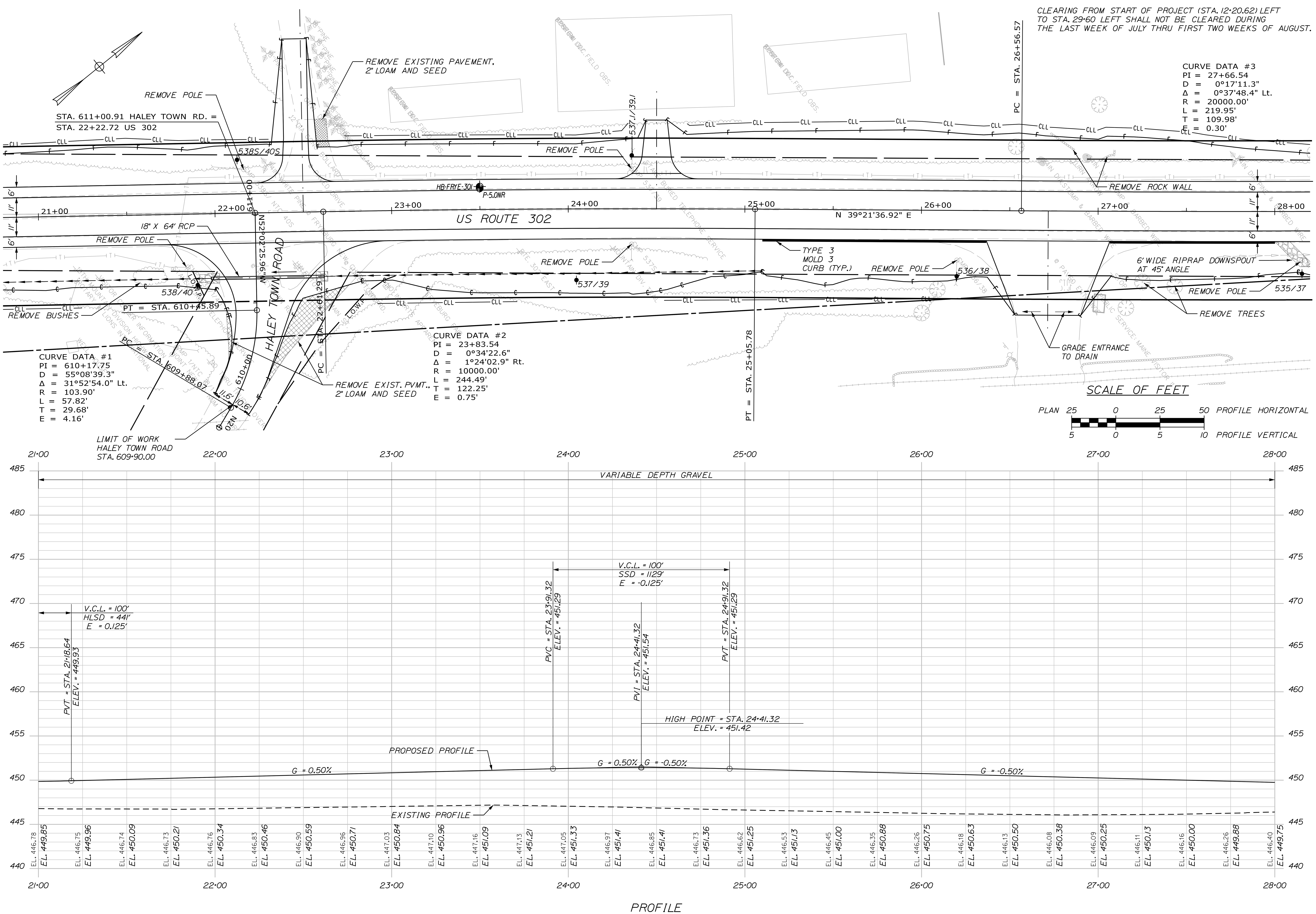
SHEET NUMBER

36

OF 364

Filename: ...\HIGHWAY\MSTA\036_HDPlan2.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\037_HDPlan3.dgn   Division: HIGHWAY   Username: mdebowski   Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

HIGHWAY PLANS

WIN 17280.00

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
37
OF 364

CLEARING FROM START OF PROJECT (STA. 12+20.62) LEFT TO STA. 29+60 LEFT SHALL NOT BE CLEARED DURING THE LAST WEEK OF JULY THRU FIRST TWO WEEKS OF AUGUST.

PT = STA. 28+76.51

P.I.

US ROUTE 302

N 38°43'48.53" E

6' WIDE RIPRAP DOWNSPOUT AT 45° ANGLE

TYPE 3 MOLD 3 CURB

18" X 64' RCP

R 10'

R 15'

REMOVE POLE

REMOVE TREES

534/36

533/35

532½/34½

532/34

535/37

532S/34S

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

6' 11" 11" 6'

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

480 475 470 465 460 455 450 445 440 435

VARIABLE DEPTH GRAVEL

PROPOSED PROFILE

EXISTING PROFILE

G = -0.50%

EL. 446.40	EL. 446.52	EL. 446.66	EL. 446.77	EL. 446.78	EL. 446.80	EL. 446.75	EL. 446.70	EL. 446.67	EL. 446.71	EL. 446.75	EL. 446.80	EL. 446.86	EL. 446.90	EL. 446.82	EL. 446.74	EL. 446.56	EL. 446.31	EL. 446.06	EL. 445.76	EL. 445.45	EL. 445.17	EL. 444.93	EL. 444.68	EL. 444.49	EL. 444.31	EL. 444.15	EL. 444.07	EL. 443.99
EL. 449.75	EL. 449.63	EL. 449.50	EL. 449.38	EL. 449.25	EL. 449.13	EL. 449.00	EL. 448.88	EL. 448.75	EL. 448.63	EL. 448.50	EL. 448.38	EL. 448.25	EL. 448.13	EL. 448.00	EL. 447.87	EL. 447.75	EL. 447.62	EL. 447.50	EL. 447.37	EL. 447.25	EL. 447.12	EL. 447.00	EL. 446.87	EL. 446.75	EL. 446.62	EL. 446.50	EL. 446.37	EL. 446.25

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

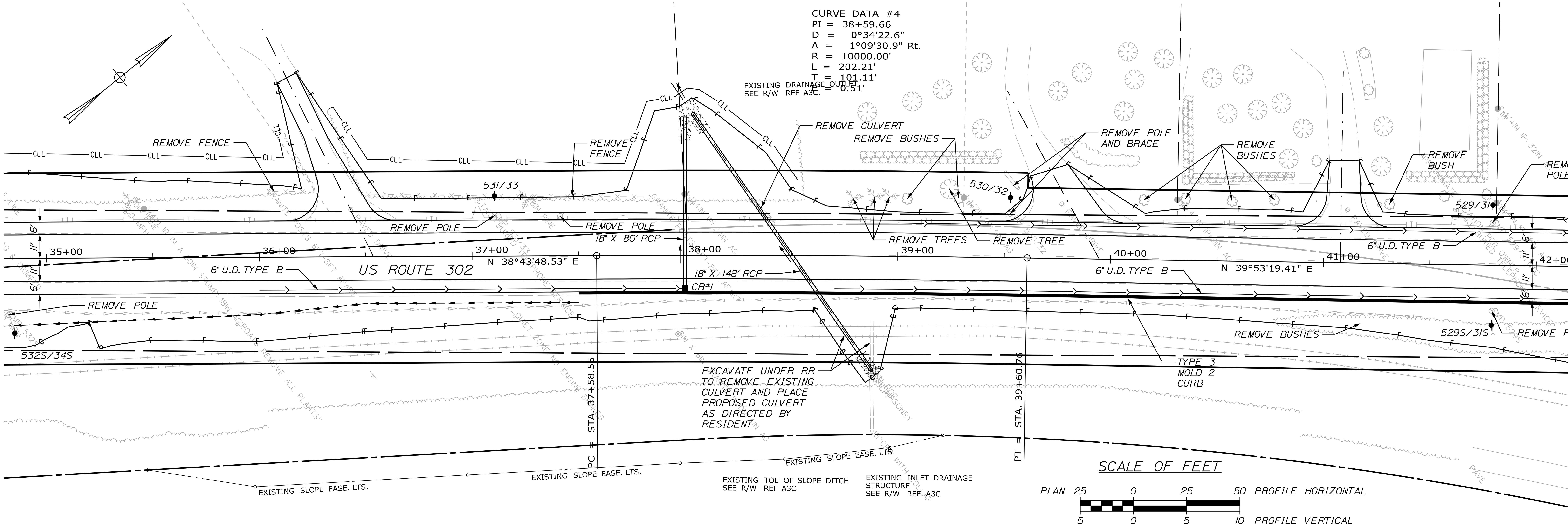
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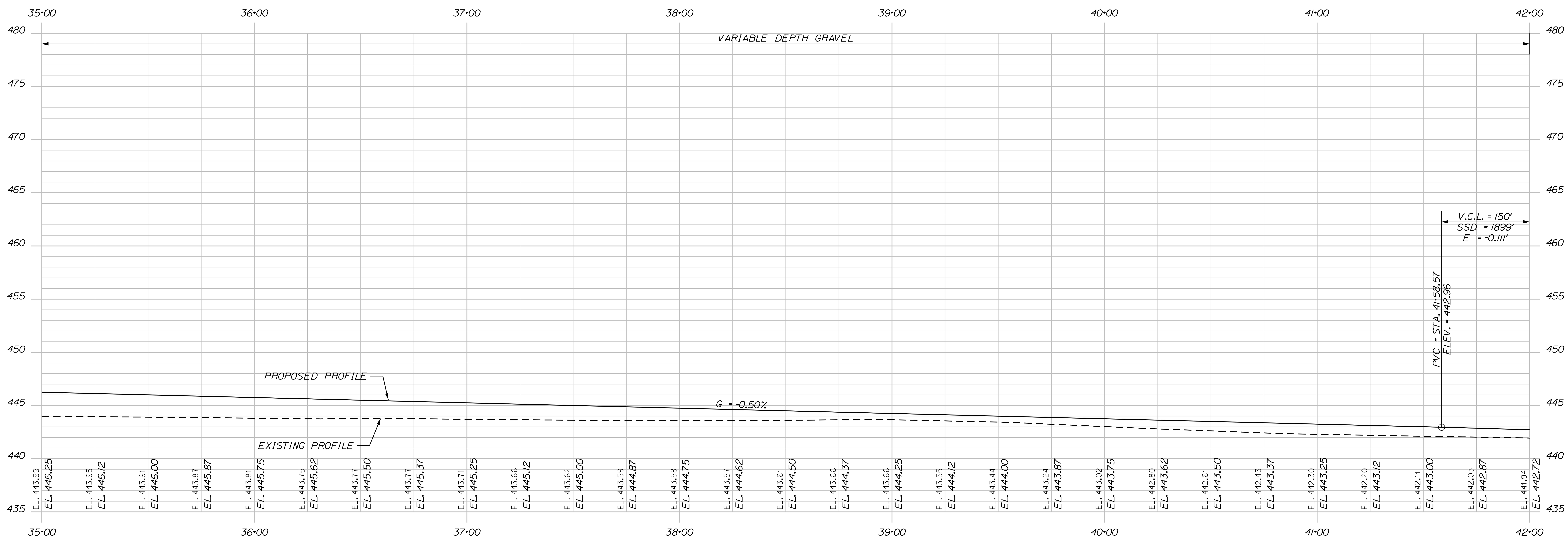
38

OF 364

Filename: ...\HIGHWAY\MSTA\038_HDPlan4.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\039_HDPlan5.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

HIGHWAY PLANS

WIN
17280.00

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

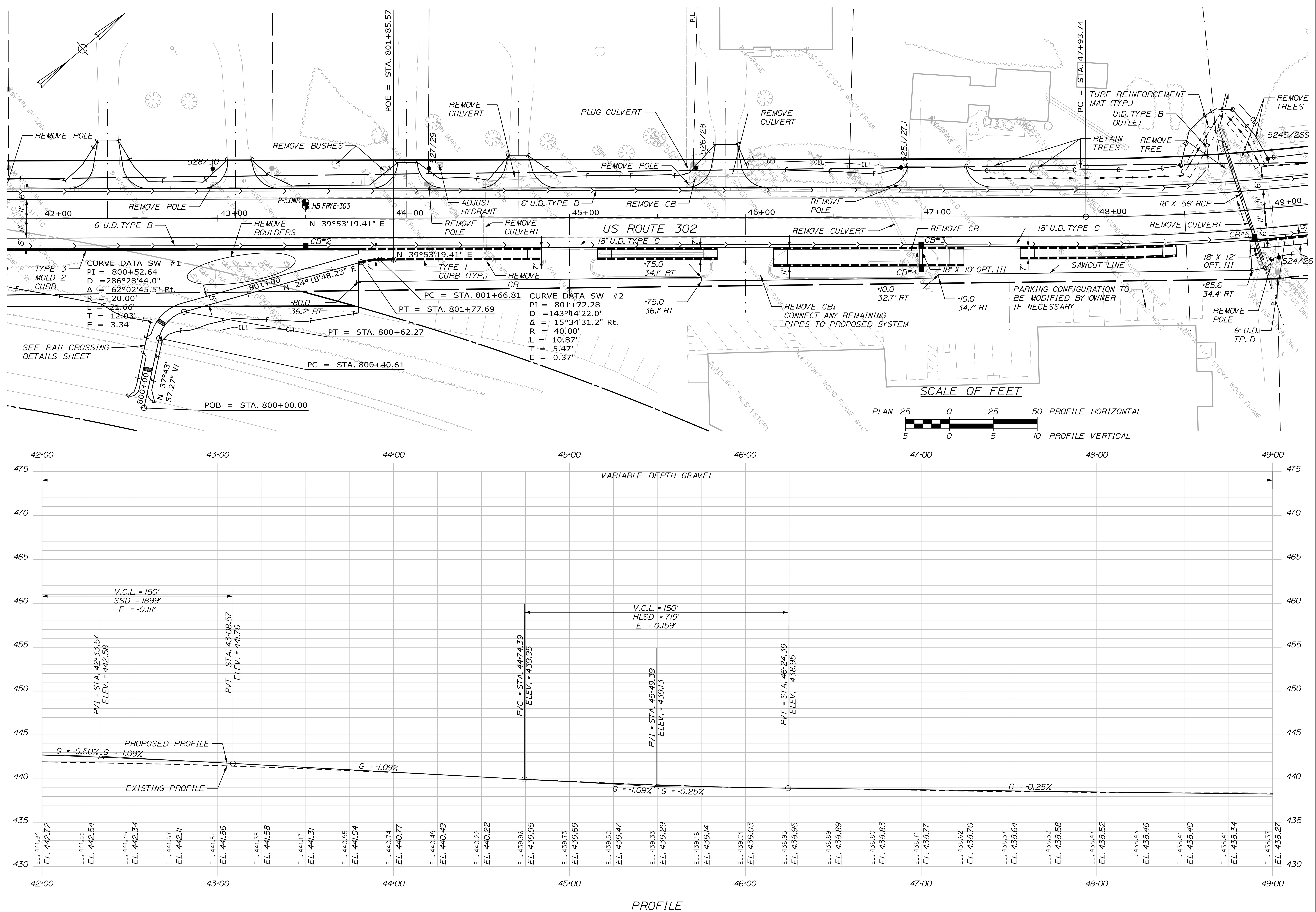
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
39
OF 364

Date:12/10/2018 Username: mdebowski Division: HIGHWAY Filename: ...\HIGHWAY\MSTA\040_HDPlan6.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

40

OF 364

Filename: ...\HIGHWAY\MSTA\041_HDPlan7.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CURVE DATA #5
PI = 50+31.43
D = 4°46'28.7"
Δ = 22°24'27.7" Lt.
R = 1200.00'
L = 469.31'
T = 237.69'
E = 23.31'

TURF REINFORCEMENT MAT (TYP.)
REMOVE TREES
18" X 56' RCP
524S/26S
REMOVE GUARDRAIL
REMOVE TREE
RIPRAP DOWNSPOUT
USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS
STONE DITCH PROTECTION
U.D. TYPE B OUTLET
PT = STA. 52+63.05
REMOVE CULVERT AND HEADWALLS
REMOVE FENCE
6" U.D. TYPE B
U.D. TYPE B OUTLET
HB-FRYE-202
36" X 120" RCP
HB-FRYE-201
18" X 56' RCP
18" U.D. TYPE C
CB#6
18" X 12' OPT. III
REMOVE POLE
TYPE I CURB (TYP.)
REMOVE EXIST. PVMT., 2" LOAM AND SEED (CROSSHATCHED AREA)
RIPRAP DOWNSPOUT
RELOCATE DRY HYDRANT
REMOVE POLE
USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS
REMOVE CULVERT
REMOVE CB PT = STA. 620+91.65
REMOVE POLE
TYPE 3 MOLD 2 CURB
PC = STA. 620+43.69
POB = STA. 620+00.00
N 59°53'40.93" W
620+00
MAPLE STREET
N 72° 31'08.31" W
20'
LIMIT OF WORK MAPLE STREET STA. 620+50.00
CURVE DATA #MS1
PI = 620+67.77
D = 26°19'25.9"
Δ = 12°37'27.4" Lt.
R = 217.66'
L = 47.96'
T = 24.08'
E = 1.33'
STA. 621+03.73 MAPLE ST. =
STA. 53+47.03 US 302
REMOVE TREES
TYPE 3 MOLD 2 CURB (TYP.)
RIPRAP DOWNSPOUT
REMOVE TREE
US ROUTE 302
REMOVE POLE
6" U.D. TYPE B
HB-FRYE-304
N 17°28'51.69" E
TP-2
HB-FRYE-401
CB#7
REMOVE CULVERT
REMOVE FENCE
15" X 60' OPT. III
TYPE 3 MOLD 2 CURB
TYPE 3 MOLD I CURB (TYP. THIS SIDE UNLESS NOTED)
522/24
521/23
523/25
524/26
49+00
50+00
51+00
52+00
53+00
54+00
55+00
56+00

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL

V.C.L. = 90'
SSD = 611'
E = -0.215'

V.C.L. = 278'
HLSD = 250'
E = 1.968'

PVC = STA. 49+08.98
ELEV. = 438.25
PVI = STA. 49+53.98
ELEV. = 438.14
PVT = STA. 49+98.98
ELEV. = 437.17
PVC = STA. 50+12.50
ELEV. = 436.88
PVI = STA. 51+51.50
ELEV. = 433.89
PVT = STA. 52+90.50
ELEV. = 438.77

LOW POINT = STA. 51+18.21
ELEV. = 435.74

G = -0.25%
G = -0.25%
G = -2.15%
G = -2.15%
G = -2.15%
G = 3.51%
G = 3.51%

PROPOSED PROFILE
EXISTING PROFILE

EL. 438.37	EL. 438.25	EL. 437.99	EL. 437.63	EL. 437.17	EL. 436.64	EL. 436.07	EL. 435.55	EL. 435.14	EL. 434.92	EL. 434.96	EL. 435.56	EL. 435.85	EL. 436.57	EL. 437.36	EL. 438.19	EL. 439.00	EL. 439.82	EL. 440.66	EL. 441.61	EL. 442.57	EL. 443.50	EL. 444.41	EL. 445.31	EL. 446.18	EL. 447.05	EL. 447.91	EL. 448.77	EL. 449.62
EL. 438.27	EL. 438.19	EL. 437.97	EL. 437.63	EL. 437.15	EL. 436.63	EL. 436.22	EL. 435.93	EL. 435.78	EL. 435.75	EL. 435.85	EL. 436.07	EL. 436.42	EL. 436.90	EL. 437.51	EL. 438.25	EL. 439.10	EL. 439.98	EL. 440.85	EL. 441.73	EL. 442.61	EL. 443.49	EL. 444.36	EL. 445.24	EL. 446.12	EL. 447.00	EL. 447.87	EL. 448.75	EL. 449.63

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN 17280.00
HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
41
OF 364

Filename: ...\HIGHWAY\MSTA\042_HDPlan8.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018

6' WIDE RIPRAP DOWNSPOUT AT 45° ANGLE
15" X 66' OPT. I
520/22
R 13'
L.O.W.P.
REMOVE POLE
REMOVE CULVERT
TYPE 3 MOLD I CURB (TYP. THIS SIDE)
N 17°28'51.69" E
6" U.D. TYPE B
U.D. TYPE B OUTLET
LIMITS OF WROUGHT PORTION
TYPE 3 MOLD 2 CURB (TYP. THIS SIDE)
US ROUTE 302
HB-FRYE-203
HB-FRYE-204
REMOVE TREE
REMOVE CULVERT
PC = STA. 58+29.34
P.I.
CURVE DATA #6
PI = 60+98.77
D = 4°46'28.7"
Δ = 25°18'31.7" Rt.
R = 1200.00'
L = 530.07'
T = 269.43'
E = 29.87'
56+00
57+00
58+00
59+00
60+00
61+00
62+00
63+00

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL
V.C.L. = 460'
SSD = 361'
E = -4.39'
PVC = STA. 58+23.96
ELEV. = 457.49
PVI = STA. 60+53.96
ELEV. = 465.56
PVT = STA. 62+83.96
ELEV. = 456.07
HIGH POINT = STA. 60+35.38
ELEV. = 461.20
G = 3.51%
G = -4.13%
PROPOSED PROFILE
EXISTING PROFILE

EL. 449.62	EL. 450.45	EL. 451.28	EL. 452.10	EL. 452.91	EL. 453.74	EL. 454.67	EL. 455.60	EL. 456.51	EL. 457.39	EL. 458.32	EL. 459.22	EL. 459.71	EL. 460.27	EL. 460.87	EL. 461.18	EL. 461.21	EL. 461.14	EL. 460.97	EL. 460.68	EL. 460.37	EL. 460.04	EL. 459.68	EL. 459.27	EL. 458.76	EL. 458.13	EL. 457.34	EL. 456.42	EL. 455.41
EL. 449.63	EL. 450.51	EL. 451.38	EL. 452.26	EL. 453.14	EL. 454.02	EL. 454.89	EL. 455.77	EL. 456.65	EL. 457.53	EL. 458.35	EL. 459.06	EL. 459.68	EL. 460.19	EL. 460.59	EL. 460.90	EL. 461.10	EL. 461.19	EL. 461.18	EL. 461.07	EL. 460.85	EL. 460.53	EL. 460.11	EL. 459.58	EL. 458.95	EL. 458.22	EL. 457.38	EL. 456.43	EL. 455.41

56·00 57·00 58·00 59·00 60·00 61·00 62·00 63·00

485 480 475 470 465 460 455 450 445 440

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

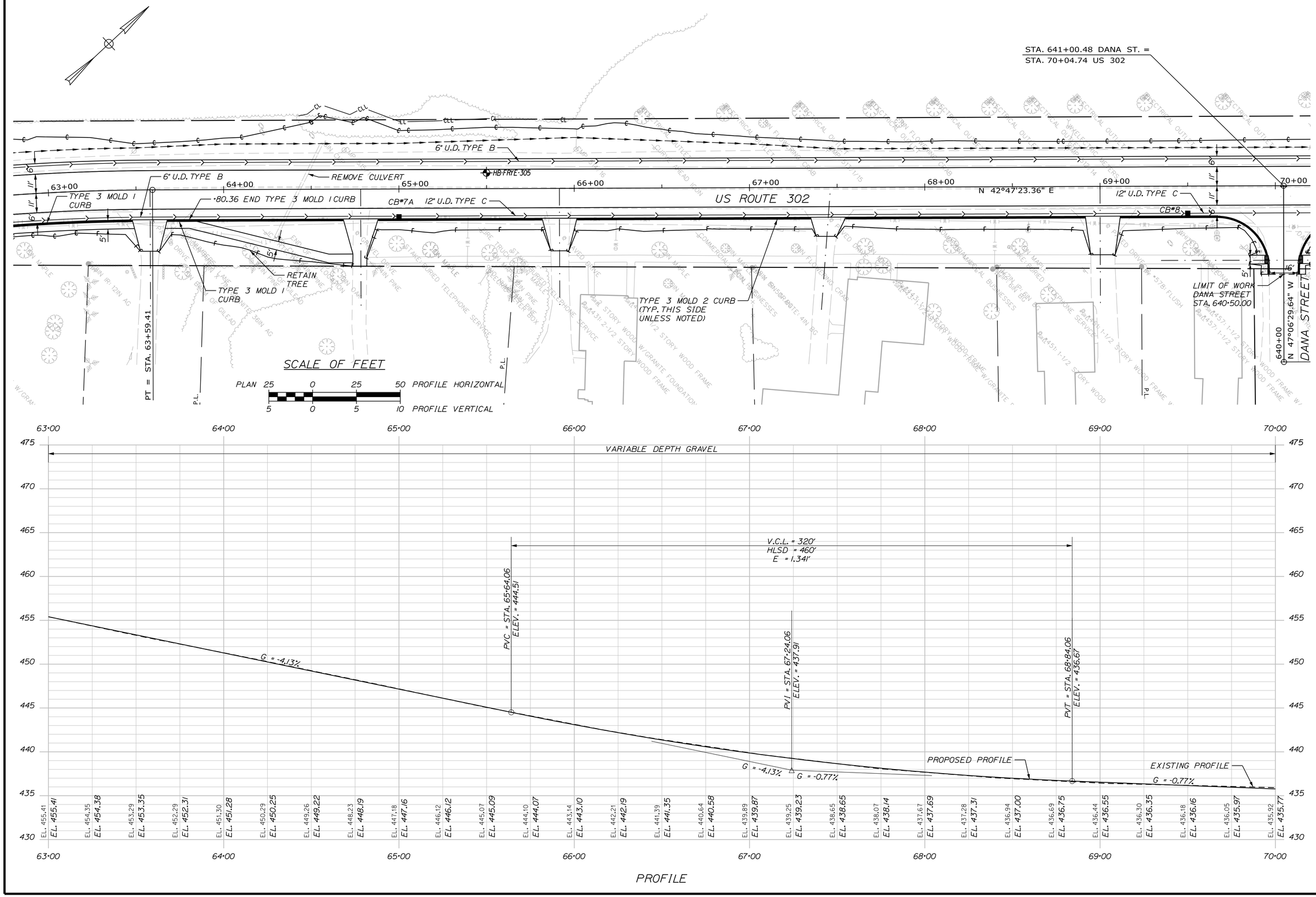
FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

42

OF 364



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	-----
DESIGN-DETAILED	M. DEBOWSKI	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

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OF 364

Filename: ...\HIGHWAY\MSTA\043_HDPlan9.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\044_HDPlan10.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

LIMIT OF WORK
RIVER STREET
STA. 649+75.00

649+50
12.6' 12.0'
S55°

DETAIL A

CURVE DATA #1
PI = 650+52.75
D = 15°28'34.8"
Δ = 9°34'07.4" Rt.
R = 370.22'
L = 61.83'
T = 30.99'
E = 1.29'

SEE DETAIL A

STA. 641+00.48 DANA ST. =
STA. 70+04.74 US 302

RIVER STREET

S56°46'44.09"E
650+00

PC = STA. 650+21.77

AVOID IMPACTING MONUMENT AND BUSHES

6" U.D. TYPE B

GRADE DITCH AT -0.5% TOWARD CB #9

15" X 4' OPT. III

CB#9

CB#10

PT = STA. 650+83.60

18" X 165' RCP

6" U.D. TYPE B

REMOVE CB

REMOVE EXIST. CONCRETE, 4" LOAM AND SEED

REMOVE CULVERT

TYPE I CURB. (TYP.)

CB#11

R 10' R 10'

508/10

702+90

REMOVE POLE

LIMIT OF WORK
DRIFT ROAD
STA. 710+90.72

18" U.D. TYPE C

CB#15

S 47°06' 55.50" E

18" X 38' OPT. III

CB#16

PT = STA. 711+13.35

24" U.D. TYPE C

CB#18

DRIFT ROAD

S 39°55'00.0" E

CURVE DATA #D1
PI = 711+00.80
D = 28°38'52.4"
Δ = 7°11'55.4" Lt.
R = 200.00'
L = 25.13'
T = 12.58'
E = 0.40'

REMOVE CULVERT

REMOVE CB

REMOVE POLE

MATCH EXIST. PAVEMENT JOINT

PC = STA. 710+88.22

507/9

REMOVE CULVERT

70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00

N 42°47'23.36" E

POE = STA. 651+00.40

N 42°53'04.50" E

US ROUTE 302

18" X 38' RCP

HB-FRYE-306

CB#12

25:1 TAPER

12" U.D. TYPE C

TYPE 3 MOLD 2 CURB (TYP.)

PT = STA. 702+11.76

18" X 258' OPT. III

CB#13

PC = STA. 701+90.93

CB#14

REMOVE POLE

18" X 55' RCP

CB#17

PRKG. SP.

DANA STREET

N 47°06'29.64" W

640+00

LIMIT OF WORK
DANA STREET
STA. 640+50.00

POB = STA. 640+00.00

STA. 651+00.40 RIVER ST. =
STA. 72+62.03 US 302

4" HMA & 5" FDR FOR WIDENED SHOULDER (SHADED)

CURVE DATA #7
PI = 73+70.19
Δ = 0°05'41.1" Rt.

PI = STA. 73+70.19

ELM STREET

N 47°06'50.50" W

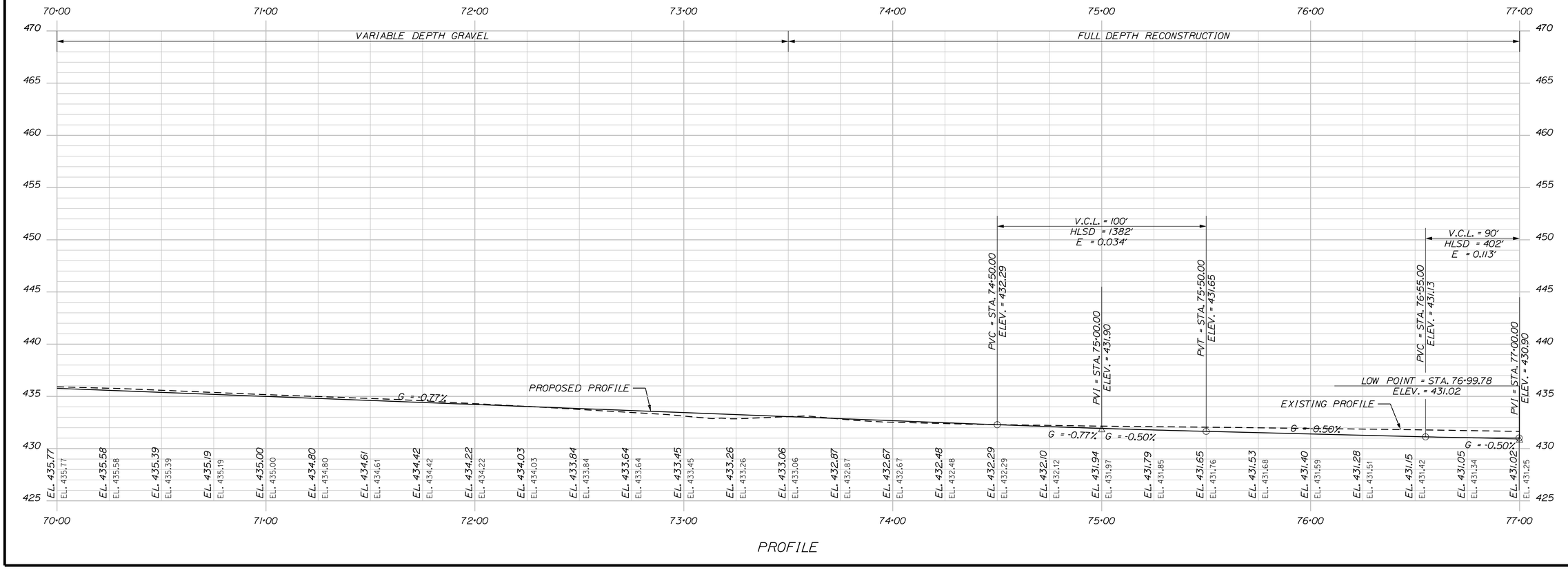
STA. 711+25.00 DRIFT RD. =
STA. 75+46.50 US 302

18" X 6' OPT. III

LIMIT OF WORK
ELM STREET
STA. 701+50.00

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

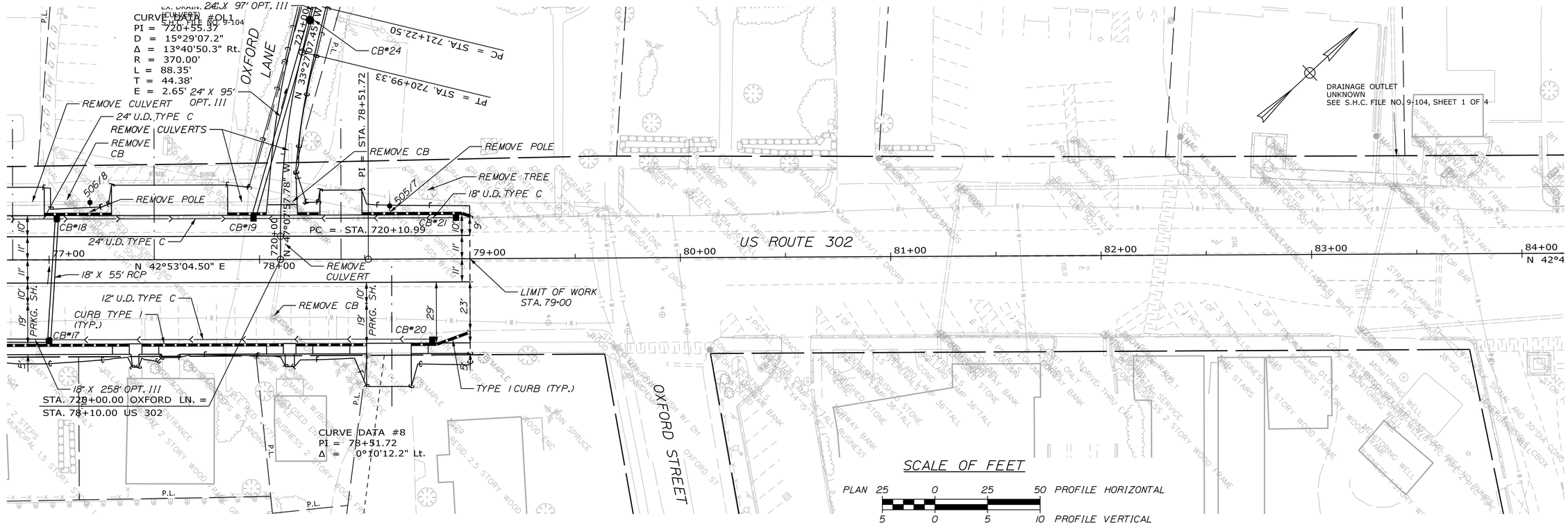
PLANS & PROFILES

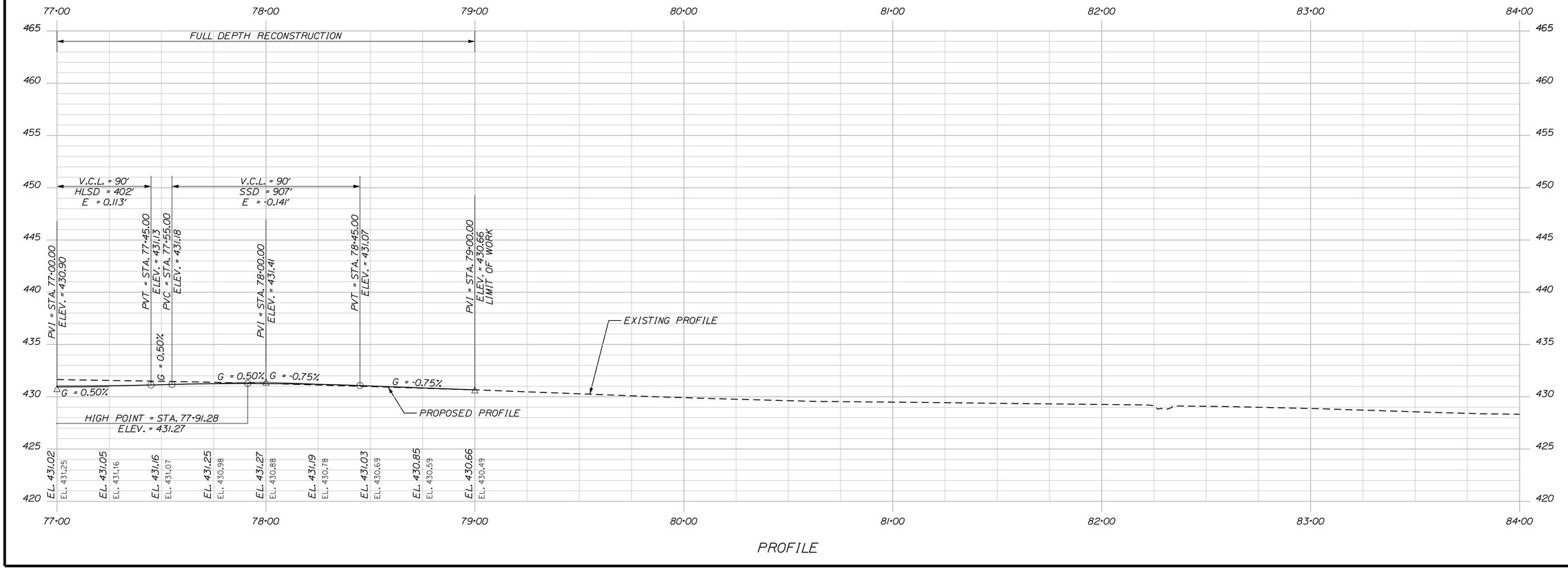
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Filename: ...\HIGHWAY\MSTA\045_HDPlan11.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

BY	DATE	
R. CARRELL	-----	SIGNATURE
M. DEBOWSKI	-----	-----
-----	-----	P.E. NUMBER
-----	-----	-----
-----	-----	DATE
-----	-----	-----

PROJ. MANAGER	-----
DESIGN-DETAILED	-----
CHECKED-REVIEWED	-----
DESIGN2-DETAILED2	-----
DESIGN3-DETAILED3	-----
REVISIONS 1	-----
REVISIONS 2	-----
REVISIONS 3	-----
REVISIONS 4	-----
FIELD CHANGES	-----

FRYEBURG
US ROUTE 302

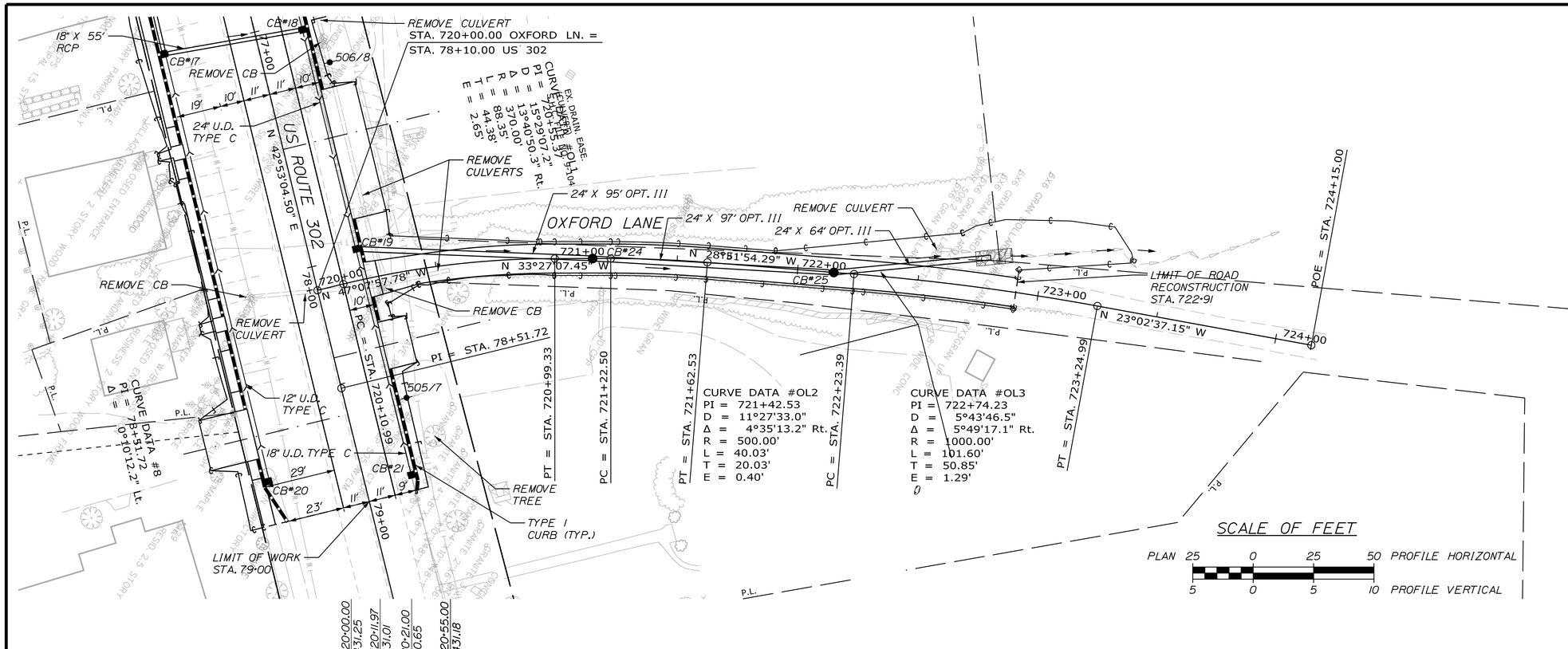
PLANS & PROFILES

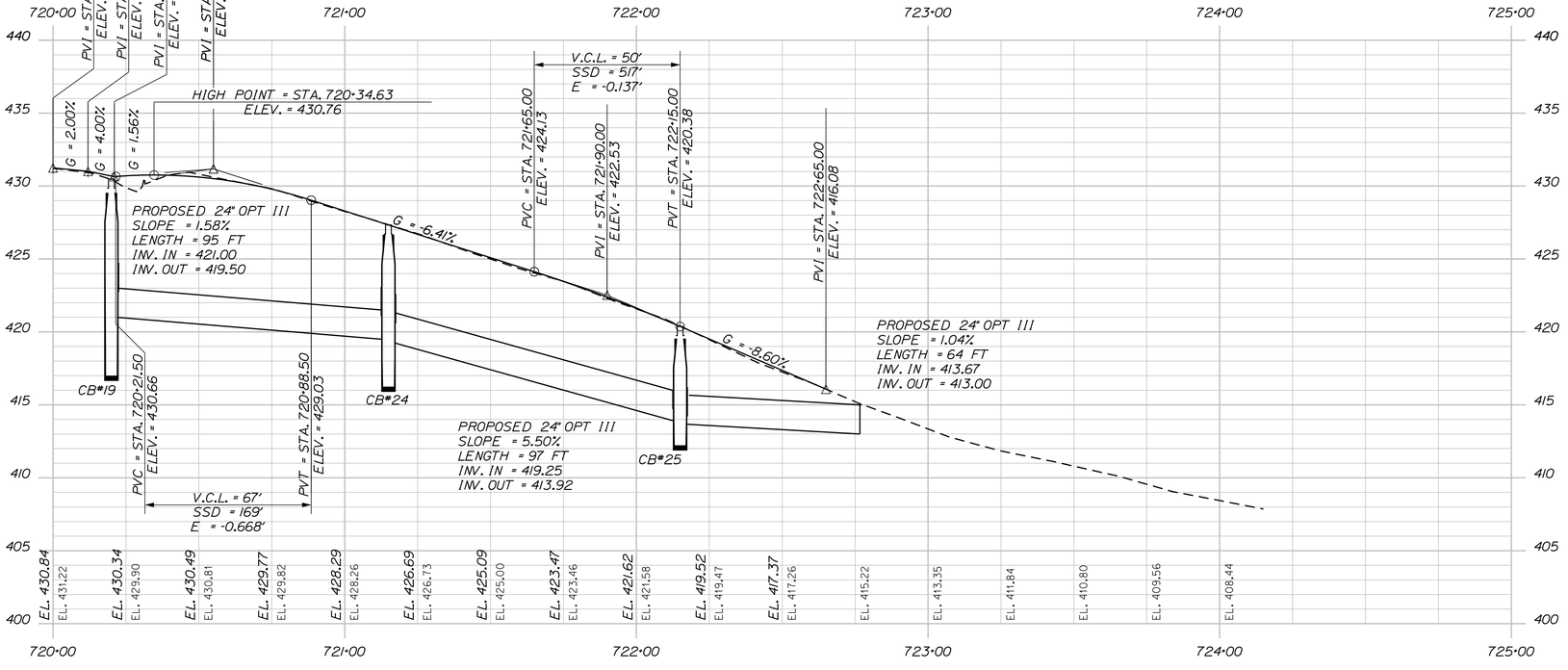
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Filename: ...\HIGHWAY\MSTA\046_HDPlan11A.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





OXFORD LANE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

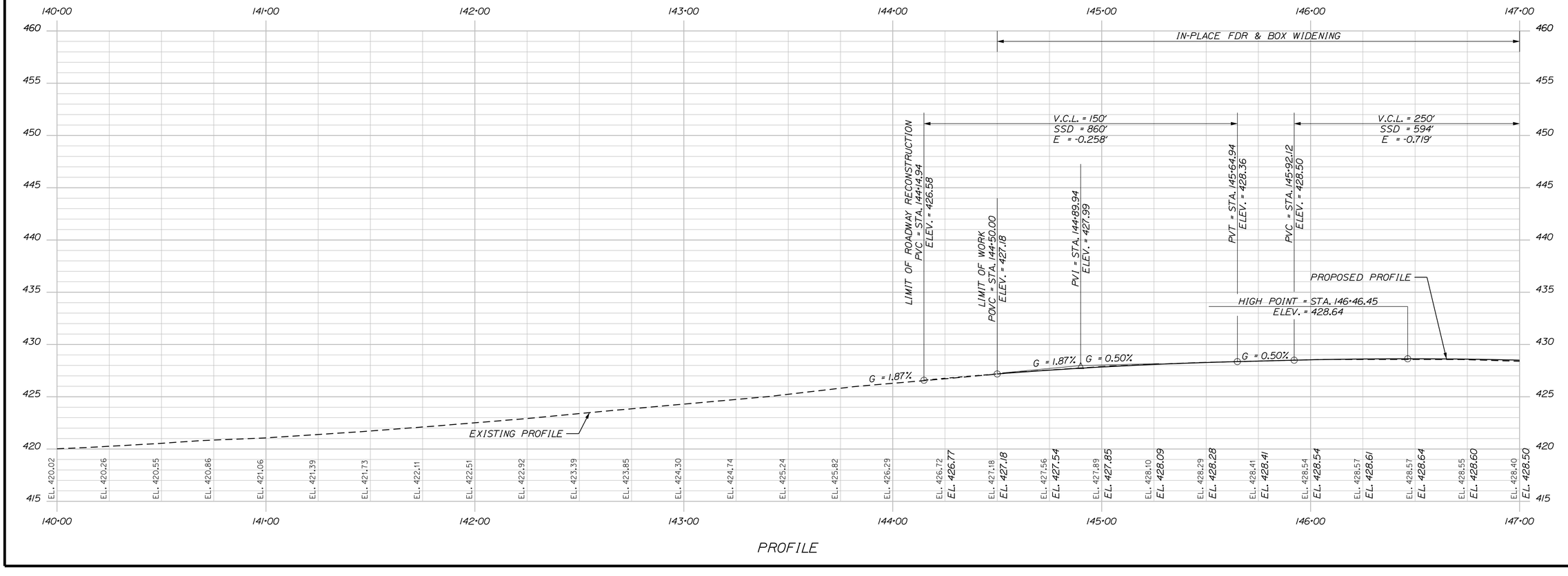
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CURVE DATA #13
PI = 142+96.92
D = 0°49'06.6"
Δ = 3°06'19.2" Lt.
R = 7000.00'
L = 379.39'
T = 189.74'
E = 2.57'

PC = STA. 141+07.18
PT = STA. 144+86.56
LIMIT OF DITCH GRADING US ROUTE 302 STA. 143+50.00
LIMIT OF PAVEMENT WORK US ROUTE 302 STA. 144+50.00
US ROUTE 302
RECREATION COMPLEX ROAD
N 80°21'03.85" E
25:1 TAPER
4" HMA AND 5" FDR FOR WIDENED SHOULDER (SHADED)
REMOVE TREE
REMOVE POLE
EXISTING DRAINAGE EASEMENT STA 127+99 RT. SEE S.H.C. FILE NO. 9-104

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN 17280.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
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Filename: ...\HIGHWAY\MSTA\047_HDPlan20.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\048_HDPlan21.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
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DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

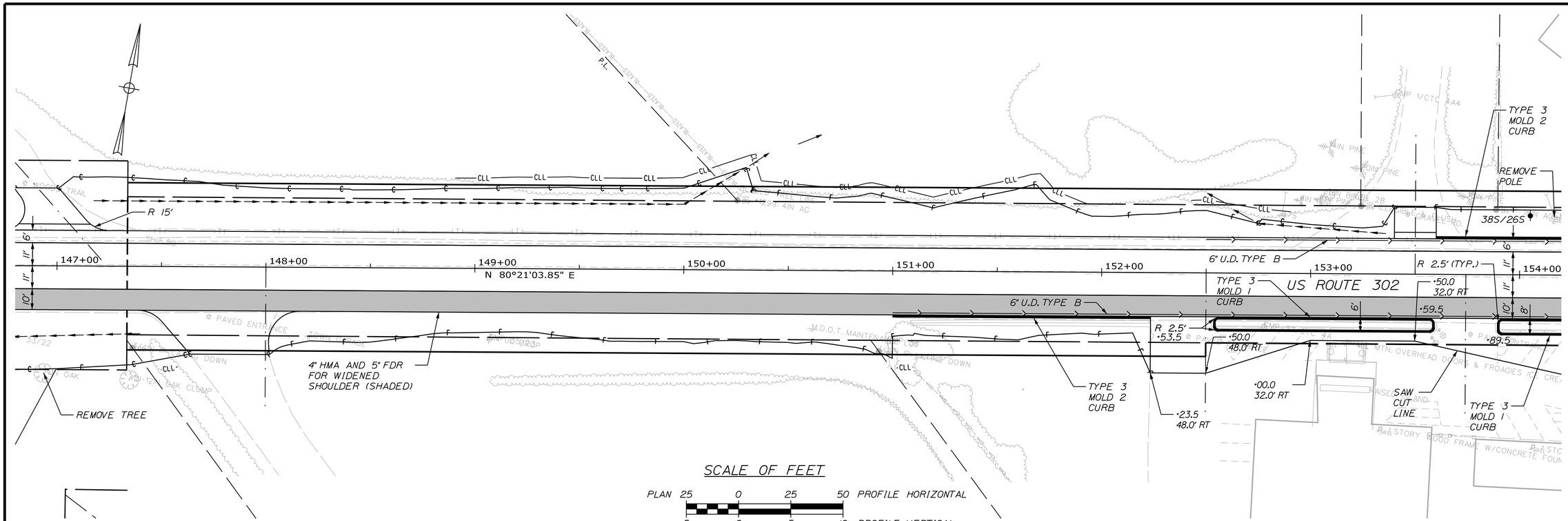
FRYEBURG
US ROUTE 302

PLANS & PROFILES

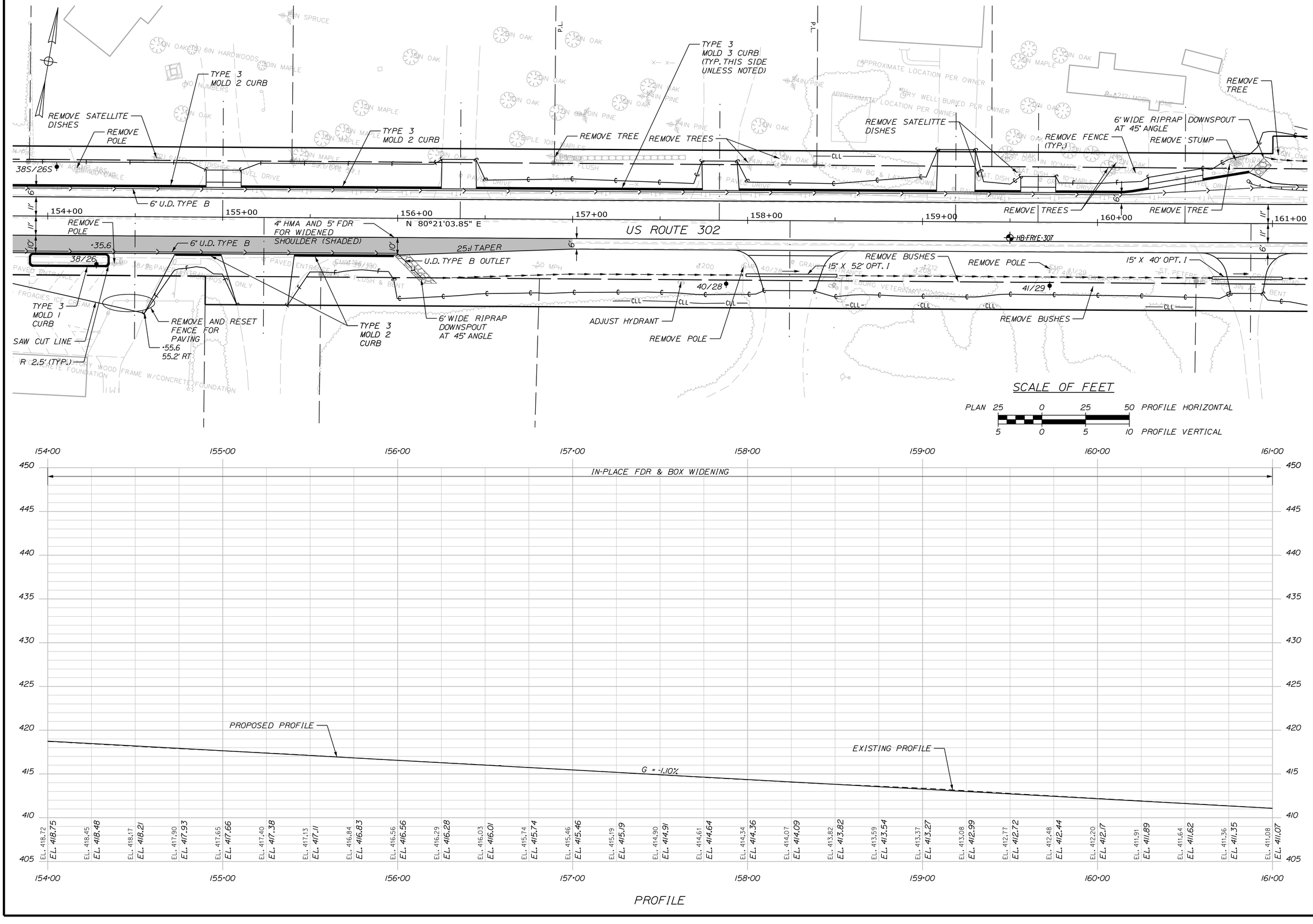
SHEET NUMBER

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Filename: ...\HIGHWAY\MSTA\049_HDPlan22.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

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OF 364

Filename: ...\HIGHWAY\MSTA\050_HDPlan23.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

TYPE 3 MOLD 3 CURB
RIPRAP DOWNSPOUT
REMOVE TREE
U.D. TYPE B OUTLET
P.L. FOLLOWS THREAD OF BROOK
USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS
STONE DITCH PROTECTION
REMOVE CULVERT AND HEADWALLS
42S
43S/31S
44S/32S
45S/33S
REMOVE POLE
REMOVE GUARDRAIL
HB-FRYE-308
HB-FRYE-402
TP-3
PC = STA. 167+08.52
161+00
162+00
163+00
N 80°21'03.85" E
164+00
165+00
166+00
167+00
168+00
US ROUTE 302
HB-FRYE-501
48" X 152' RCP
HB-FRYE-502
6" U.D. OUTLET
6" U.D. TYPE B
REMOVE FENCE
REMOVE POLE
42/30
45/33
CB #22
15" X 40 OPT. 1
15" X 46' OPT. 1
15" X 112' OPT. 1
R 15'
R 10.7'
STONE DITCH PROTECTION
7' X 2' RIPRAP BAND, 84' TO 86' RT ALONG CULVERT CENTERLINE. TOP OF RIPRAP AT ELEV. 390.0
USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

IN-PLACE FDR & BOX WIDENING
FULL DEPTH RECONSTRUCTION
V.C.L. = 540'
HLSD = 708'
E = 2.217'
PVC = STA. 164+45.71
ELEV. = 407.28
PVI = STA. 167+15.71
ELEV. = 404.31
℄ BOX CULVERT
5'-0" SPAN X 5'-0" RISE
G = -1.10%
LOW POINT = STA. 166+26.14
ELEV. = 406.29
EXISTING PROFILE
PROPOSED PROFILE
G = -1.10% G = 2.19%

EL. 411.08	EL. 411.07
EL. 410.81	EL. 410.80
EL. 410.53	EL. 410.52
EL. 410.25	EL. 410.25
EL. 409.97	EL. 409.97
EL. 409.68	EL. 409.70
EL. 409.39	EL. 409.42
EL. 409.11	EL. 409.15
EL. 408.86	EL. 408.88
EL. 408.56	EL. 408.60
EL. 408.22	EL. 408.33
EL. 407.89	EL. 408.05
EL. 407.70	EL. 407.78
EL. 407.53	EL. 407.50
EL. 407.35	EL. 407.23
EL. 407.15	EL. 406.98
EL. 406.94	EL. 406.77
EL. 406.74	EL. 406.60
EL. 406.53	EL. 406.46
EL. 406.38	EL. 406.37
EL. 406.36	EL. 406.31
EL. 406.33	EL. 406.29
EL. 406.42	EL. 406.30
EL. 406.54	EL. 406.36
EL. 406.71	EL. 406.45
EL. 406.88	EL. 406.58
EL. 407.06	EL. 406.75
EL. 407.26	EL. 406.96
EL. 407.56	EL. 407.21

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN 17280.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
50
OF 364

Filename: ...\HIGHWAY\MSTA\051_HDPlan24.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CURVE DATA #14
PI = 169+49.46
D = 2°23'14.4"
Δ = 11°27'55.2" Lt.
R = 2400.00'
L = 480.26'
T = 240.93'
E = 12.06'

PT = STA. 171+88.78

USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

36" X 128' RCP

REMOVE CULVERT AND HEADWALL

REMOVE GUARDRAIL

6' WIDE RIPRAP DOWNSPOUT AT 45° ANGLE

REMOVE FENCE

REMOVE POLE

REMOVE TREES

REMOVE CULVERT

US ROUTE 302

N 68°53'08.63" E

WATERLINE EASE. BOOK 1556, PAGE 603

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00

FULL DEPTH RECONSTRUCTION

VARIABLE DEPTH GRAVEL

V.C.L. = 540'
HLSD = 708'
E = 2.217'

PVT = STA. 169+85.71
ELEV. = 410.22

PVC = STA. 169+91.00
ELEV. = 410.33

V.C.L. = 518'
SSD = 425'
E = -4.006'

PVI = STA. 172+50.00
ELEV. = 416.00

EXISTING PROFILE

HIGH POINT = STA. 171+74.13
ELEV. = 412.34

G = 2.19%

G = 2.19%

G = -4.00%

PROPOSED PROFILE

EL. 407.56 EL. 407.21 | EL. 407.89 EL. 407.49 | EL. 408.15 EL. 407.81 | EL. 408.42 EL. 408.17 | EL. 408.79 EL. 408.57 | EL. 409.30 EL. 409.00 | EL. 409.93 EL. 409.48 | EL. 410.56 EL. 409.99 | EL. 411.17 EL. 410.53 | EL. 411.73 EL. 411.01 | EL. 412.22 EL. 411.42 | EL. 412.64 EL. 411.75 | EL. 412.99 EL. 412.01 | EL. 413.26 EL. 412.19 | EL. 413.46 EL. 412.30 | EL. 413.58 EL. 412.34 | EL. 413.55 EL. 412.30 | EL. 413.52 EL. 412.18 | EL. 413.24 EL. 411.99 | EL. 412.88 EL. 411.73 | EL. 412.44 EL. 411.39 | EL. 411.85 EL. 410.98 | EL. 411.26 EL. 410.49 | EL. 410.50 EL. 409.93 | EL. 409.73 EL. 409.29 | EL. 408.83 EL. 408.58 | EL. 407.74 EL. 407.79 | EL. 406.65 EL. 406.93 | EL. 405.44 EL. 406.00

440 435 430 425 420 415 410 405 400 395

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

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Filename: ...\HIGHWAY\MSTA\052_HDPlan25.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CUT 5' WIDE STREAM CHANNEL PARALLEL TO EXISTING CHANNEL

USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

STONE DITCH PROTECTION

FILL EXISTING STREAM CHANNEL WITH SALVAGED STREAMBED MATERIAL AND REGRADE CHANNEL INLET AS DIRECTED

U.D. TYPE B OUTLET

8' WIDE RIPRAP DOWNSPOUT AT 45° ANGLE

TYPE 3 MOLD 3 CURB

REMOVE CULVERT

REMOVE POLE

15" X 36' OPT. 1

15" X 30 OPT. 1

52S/40S

HB-FRYE-503

HB-FRYE-504

HB-DRFR-120

175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00

N 68°53'08.63" E

P-5.0NR

US ROUTE 302

N 72°36'49.77" E

72" X 136' RCP

REMOVE CULVERT AND HEADWALLS

ADJUST HYDRANT

REMOVE POLE

15" X 36' OPT. 1

51/39

49/31

53/41

54/42

REMOVE TREE

REMOVE BY OTHERS

CURVE DATA #15
PI = 177+48.38
D = 1°25'56.6"
Δ = 3°43'41.1" Rt.
R = 4000.00'
L = 260.27'
T = 130.18'
E = 2.12'

PC = STA. 176+18.20

PT = STA. 178+78.47

USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00

420 415 410 405 400 395 390 385 380 375

V.C.L. = 518'
SSD = 425'
E = -4.006'

VARIABLE DEPTH GRAVEL

V.C.L. = 426'
HLSD = 269'
E = 4.211'

PVT = STA. 175+09.00
ELEV. = 405.64

PVC = STA. 175+12.00
ELEV. = 405.52

PVI = STA. 177+25.00
ELEV. = 397.00

PVT = STA. 179+38.00
ELEV. = 405.33

G = -4.00%

G = 3.91%

PROPOSED PROFILE

EXISTING PROFILE

LOW POINT = STA. 177+27.46
ELEV. = 401.21

℄ 72" RCP CLASS III

EXISTING CULVERT TO BE REMOVED

STREAM BED FILL

EL. 405.44	EL. 404.22	EL. 403.07	EL. 402.11	EL. 401.14	EL. 400.49	EL. 399.95	EL. 399.42	EL. 399.09	EL. 398.84	EL. 398.67	EL. 398.98	EL. 399.27	EL. 399.87	EL. 400.60	EL. 401.37	EL. 402.30	EL. 403.25	EL. 404.22	EL. 405.21	EL. 406.24	EL. 407.27	EL. 408.31	EL. 409.22	EL. 410.25	EL. 411.38	EL. 412.42	EL. 413.49	EL. 414.54
EL. 406.00	EL. 405.02	EL. 404.13	EL. 403.37	EL. 402.72	EL. 402.19	EL. 401.77	EL. 401.47	EL. 401.28	EL. 401.21	EL. 401.26	EL. 401.42	EL. 401.70	EL. 402.09	EL. 402.60	EL. 403.23	EL. 403.97	EL. 404.83	EL. 405.79	EL. 406.77	EL. 407.75	EL. 408.73	EL. 409.70	EL. 410.68	EL. 411.66	EL. 412.63	EL. 413.61	EL. 414.59	EL. 415.57

PROFILE

PROJ. MANAGER	R. CARRELL
DESIGN-DETAILED	M. DEBOWSKI
CHECKED-REVIEWED	
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

FRYEBURG
US ROUTE 302

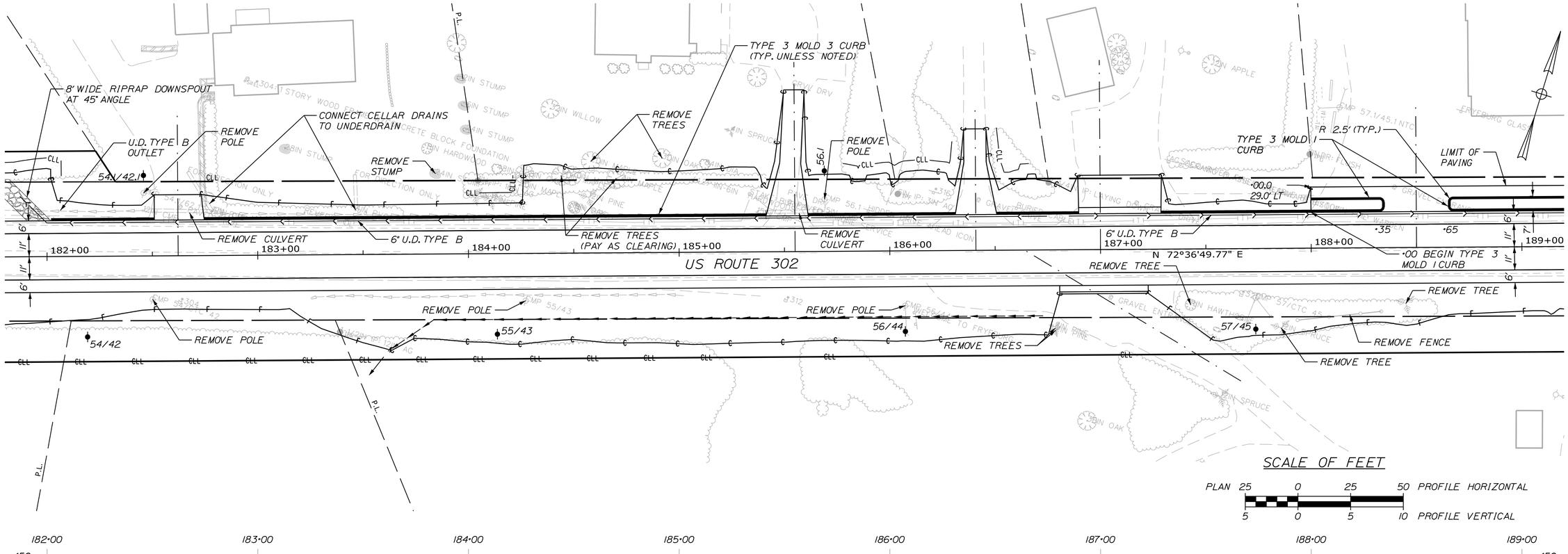
PLANS & PROFILES

SHEET NUMBER

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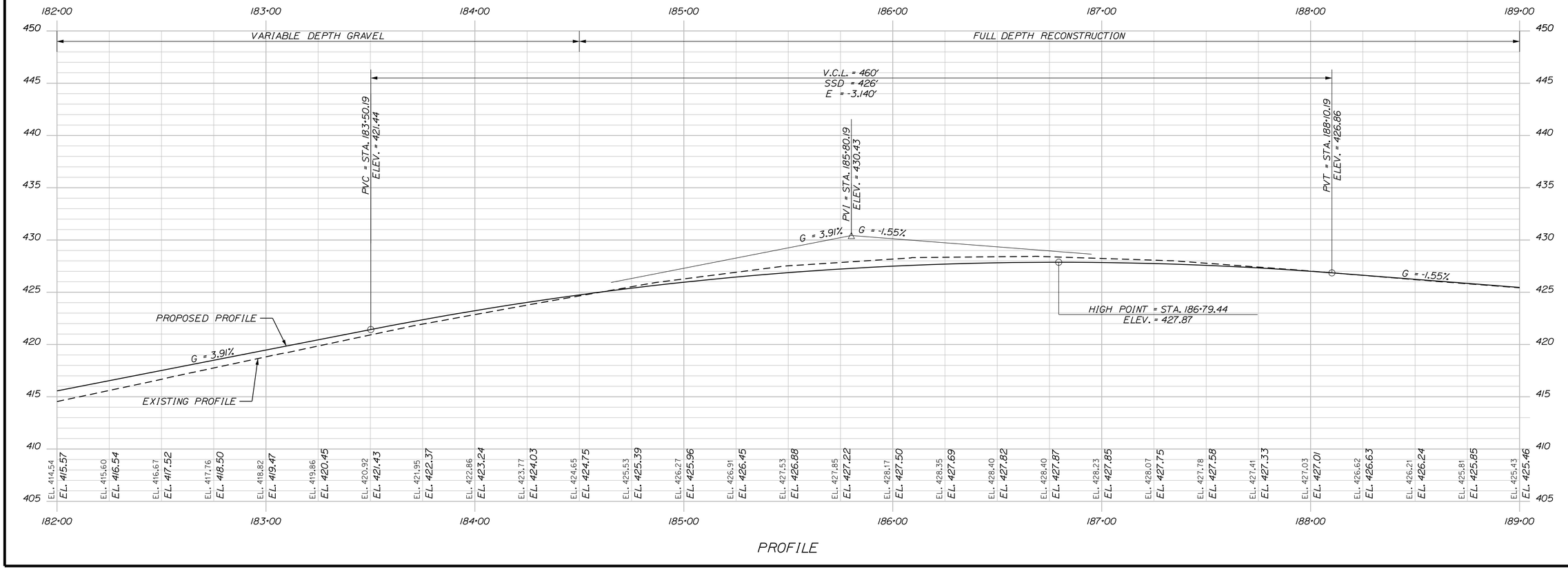
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SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

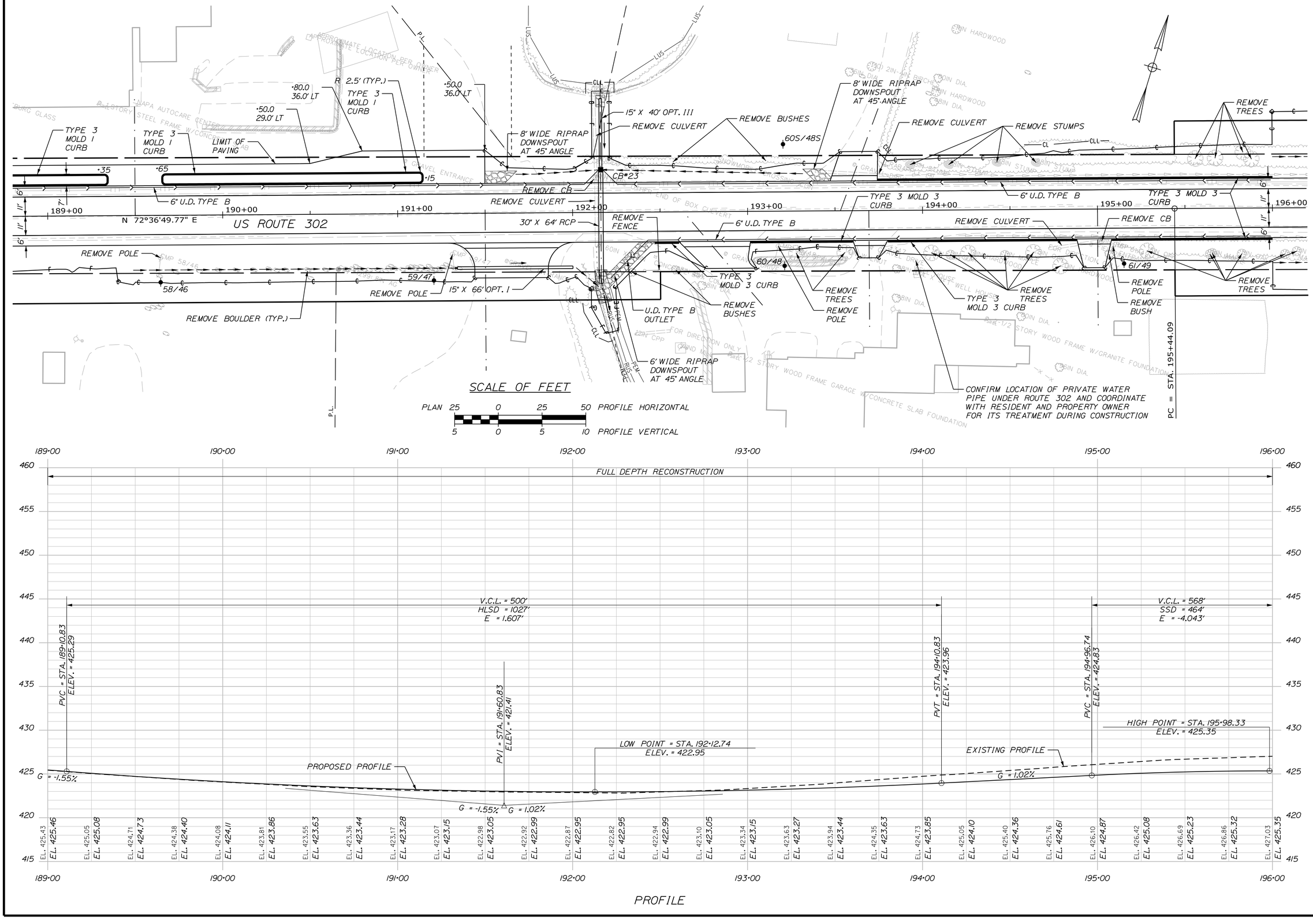
PLANS & PROFILES

SHEET NUMBER

53

OF 364

Filename: ...\HIGHWAY\MSTA\054_HDPlan27.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

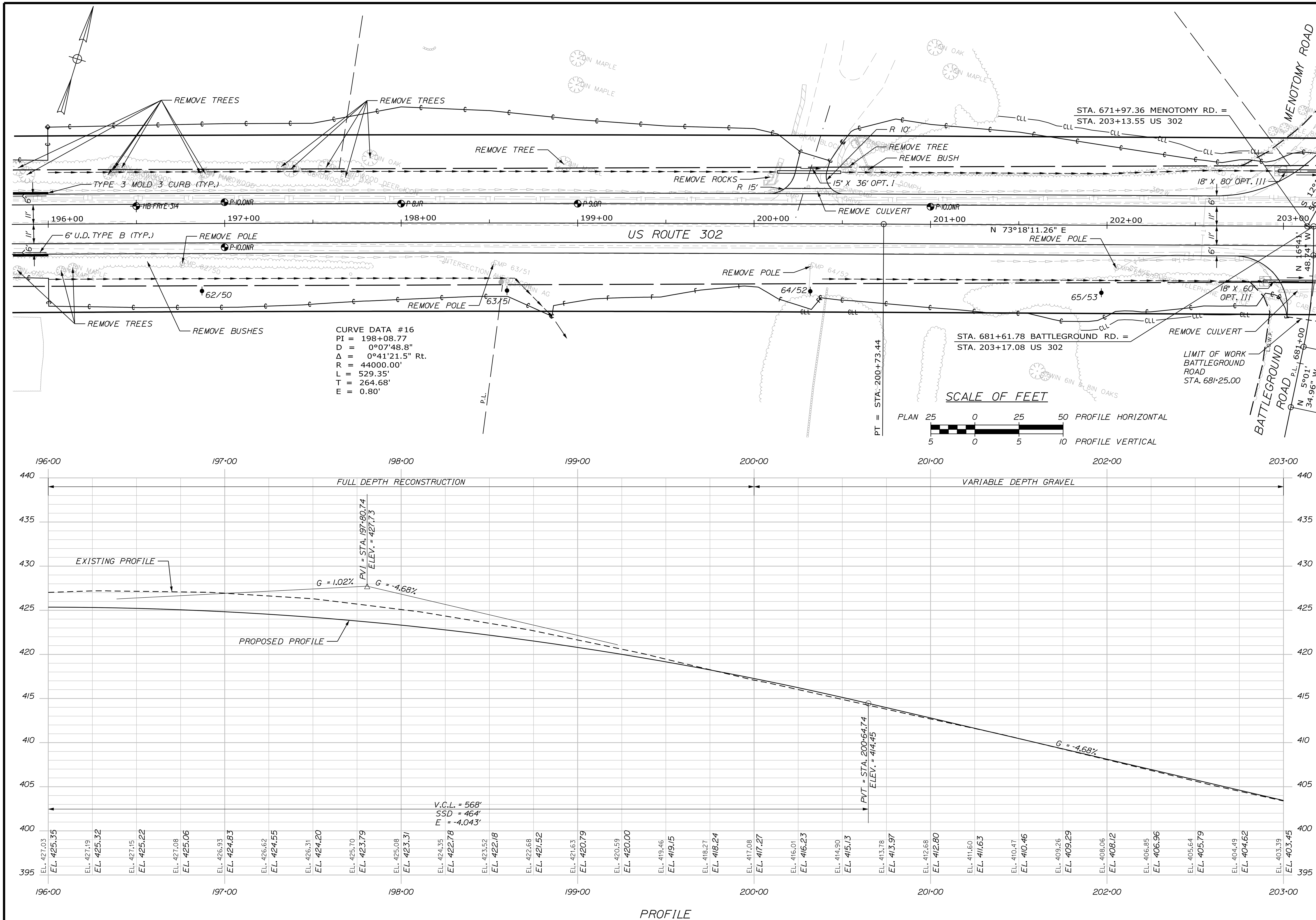
PLANS & PROFILES

SHEET NUMBER

54

OF 364

Filename: ...\HIGHWAY\MSTA\055_HDPlan28.dgn   Division: HIGHWAY   Username: mdebowski   Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
55
OF 364

Filename: ...\HIGHWAY\MSTA\056_HDPlan29.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CURVE DATA #MR1
PI = 670+91.44
D = 14°56'05.8"
Δ = 20°17'10.1" Lt.
R = 383.64'
L = 135.83'
T = 68.63'
E = 6.09'

CURVE DATA #BGR2
PI = 681+35.79
D = 22°22'10.8"
Δ = 11°40'13.8" Lt.
R = 256.13'
L = 52.17'
T = 26.18'
E = 1.33'

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN
17280.00
HIGHWAY PLANS

	R. CARRELL	M. DEBOWSKI					
PROJ. MANAGER							
DESIGN-DETAILED							
CHECKED-REVIEWED							
DESIGN2-DETAILED2							
DESIGN3-DETAILED3							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
BY							
DATE							

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
56
OF 364

Filename: ...\HIGHWAY\MSTA\057_HDPlan30.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CURVE DATA #17
PI = 216+48.59
D = 0°13'13.3"
Δ = 1°08'16.4" Lt.
R = 26000.00'
L = 516.35'
T = 258.19'
E = 1.28'

PC = STA. 213+90.41

USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

PRECAST CONCRETE BOX CULVERT (FIGHT BROOK BRIDGE #6550)

69S/57S

HB-FRYE-206

210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00

N 73°18'11.26" E

US ROUTE 302

REMOVE POLE

69/57

REMOVE CULVERT

USE GRANULAR BORROW FOR THE BOTTOM 2 FT OF EMBANKMENT IN WET AREAS

REMOVE POLE

71/59

REMOVE POLE

72/60

REMOVE POLE

HB-FRYE-315

REMOVE CULVERT

73/61

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL

IN-PLACE FDR & BOX WIDENING

V.C.L. = 780'
HLSD = 426'
E = 7.925'

PVT = STA. 213+82.66
ELEV. = 384.53

G = 3.45%

LOW POINT = STA. 210+51.32
ELEV. = 378.81

PROPOSED PROFILE

EXISTING PROFILE

℄ BOX CULV.
10'-0" SPAN
X 6'-0" RISE

EXISTING CULVERT TO BE REMOVED

2'-0" SPECIAL FILL ALONG BOTTOM OF BOX

LIMITS OF GRANULAR BORROW

1 FT GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL

210+00	211+00	212+00	213+00	214+00	215+00	216+00	217+00
EL. 374.39	EL. 378.95	EL. 374.52 EL. 378.85	EL. 374.66 EL. 378.81	EL. 374.90 EL. 378.84	EL. 375.40 EL. 378.93	EL. 375.90 EL. 379.09	EL. 376.58 EL. 379.32
EL. 377.37 EL. 379.61	EL. 378.18 EL. 379.96	EL. 379.04 EL. 380.38	EL. 379.90 EL. 380.87	EL. 380.76 EL. 381.42	EL. 381.63 EL. 382.03	EL. 382.50 EL. 382.71	EL. 383.34 EL. 383.46
EL. 384.18 EL. 384.27	EL. 385.03 EL. 385.13	EL. 385.88 EL. 385.99	EL. 386.73 EL. 386.86	EL. 387.61 EL. 387.72	EL. 388.49 EL. 388.58	EL. 389.38 EL. 389.44	EL. 390.29 EL. 390.31
EL. 391.19 EL. 391.17	EL. 392.04 EL. 392.03	EL. 392.90 EL. 392.90	EL. 393.83 EL. 393.76	EL. 394.73 EL. 394.62	EL. 395.58 EL. 395.49		

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

57

OF 364

Filename: ...\HIGHWAY\MSTA\058_HDPlan31.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

1 BSS
Not Sig
SENSITIVE AREA.
NO ACTIVITY
ALLOWED.
BURIED CABLE
P-4.5R
P-6.IR
217+00
218+00
219+00
220+00
221+00
222+00
223+00
224+00
N 72°09'54.88" E
US ROUTE 302
REMOVE CULVERT
REMOVE POLE
REMOVE POLE
REMOVE POLE
REMOVE CULVERT
SMP 77362 MT
SMP 77362 MT
SMP
FOR DIRECTION
MAIN IR: BEAM & BUSH
MAIN IR: BEAM & BUSH
MAIN AG
74/62
75/62½
77/63
18" X 72' OPT. III
LIMIT OF WORK
SERENITY LANE
STA. 690+51.38
PT = STA. 219+06.76
P.L.
TOPO
PFO
SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00
435 430 425 420 415 410 405 400 395 390
IN-PLACE FDR & BOX WIDENING
V.C.L. = 150'
HLSD = 577'
E = 0.204'
PVC = STA. 221+51.01
ELEV. = 411.06
PVT = STA. 223+01.01
ELEV. = 417.06
PVI = STA. 222+26.01
ELEV. = 413.65
PROPOSED PROFILE
EXISTING PROFILE
G = 3.45%
G = 3.45%
G = 4.54%
G = 4.54%
EL. 395.58 EL. 395.49
EL. 396.45 EL. 396.35
EL. 397.29 EL. 397.21
EL. 398.12 EL. 398.08
EL. 398.97 EL. 398.94
EL. 399.79 EL. 399.80
EL. 400.60 EL. 400.67
EL. 401.45 EL. 401.53
EL. 402.32 EL. 402.39
EL. 403.20 EL. 403.26
EL. 404.07 EL. 404.12
EL. 404.94 EL. 404.98
EL. 405.80 EL. 405.85
EL. 406.68 EL. 406.71
EL. 407.57 EL. 407.57
EL. 408.44 EL. 408.43
EL. 409.31 EL. 409.30
EL. 410.24 EL. 410.16
EL. 411.16 EL. 411.02
EL. 412.09 EL. 411.91
EL. 412.95 EL. 412.84
EL. 413.81 EL. 413.81
EL. 414.71 EL. 414.83
EL. 415.68 EL. 415.90
EL. 416.65 EL. 417.01
EL. 417.68 EL. 418.15
EL. 418.70 EL. 419.28
EL. 419.82 EL. 420.42
EL. 420.98 EL. 421.55
PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN
17280.00
HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

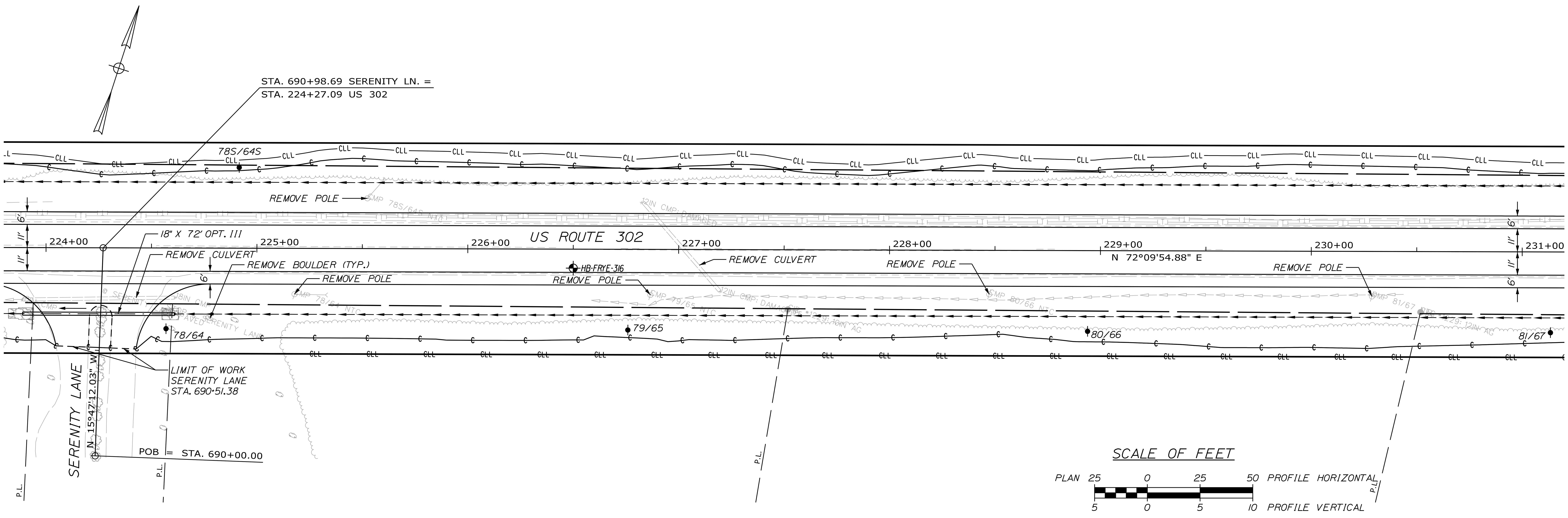
P.E. NUMBER
DATE

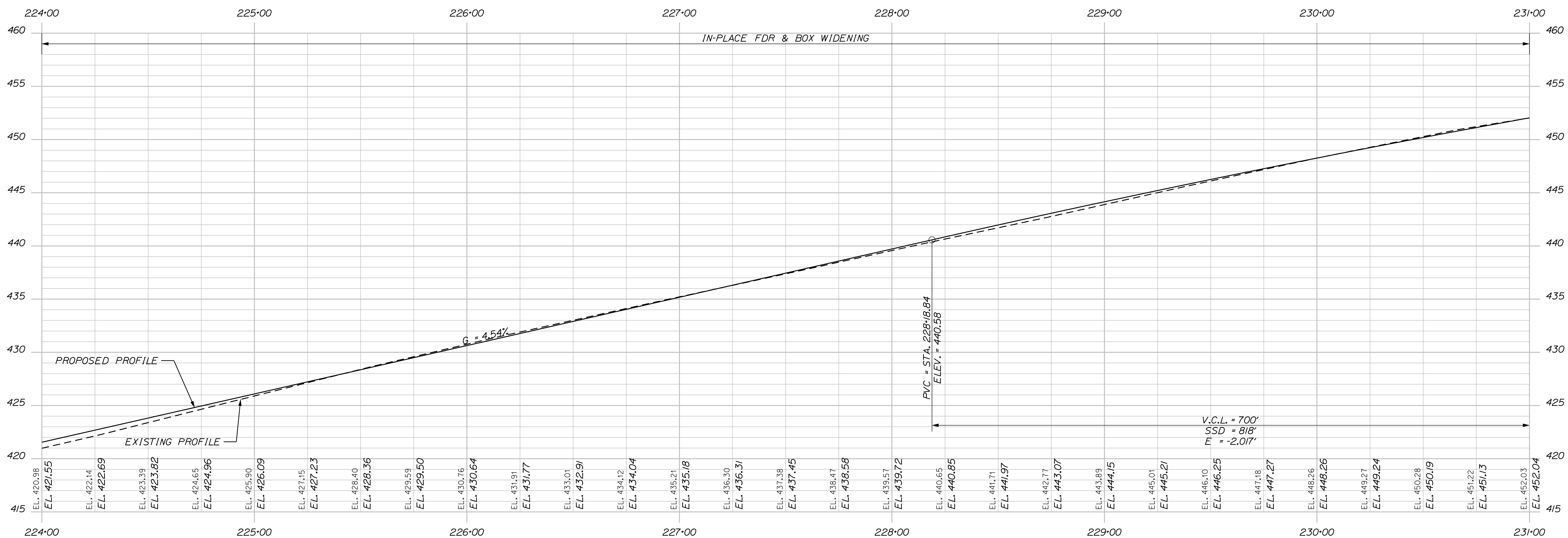
FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
58
OF 364

Filename: ...\HIGHWAY\MSTA\059_HDPlan32.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

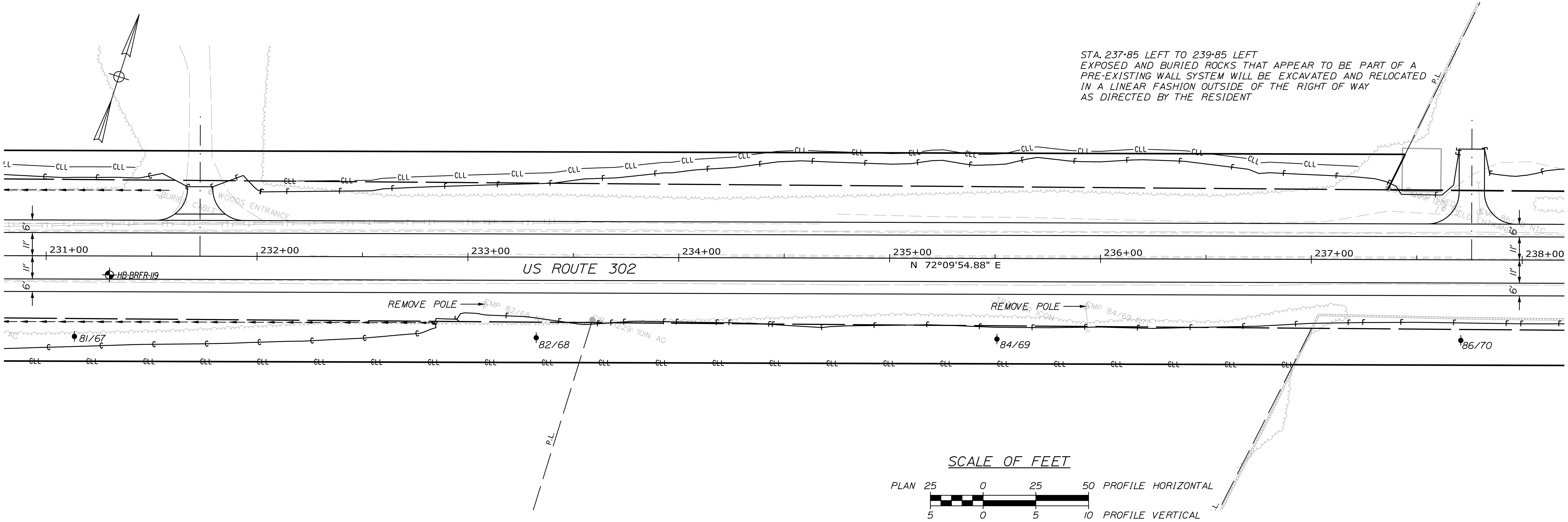
DATE

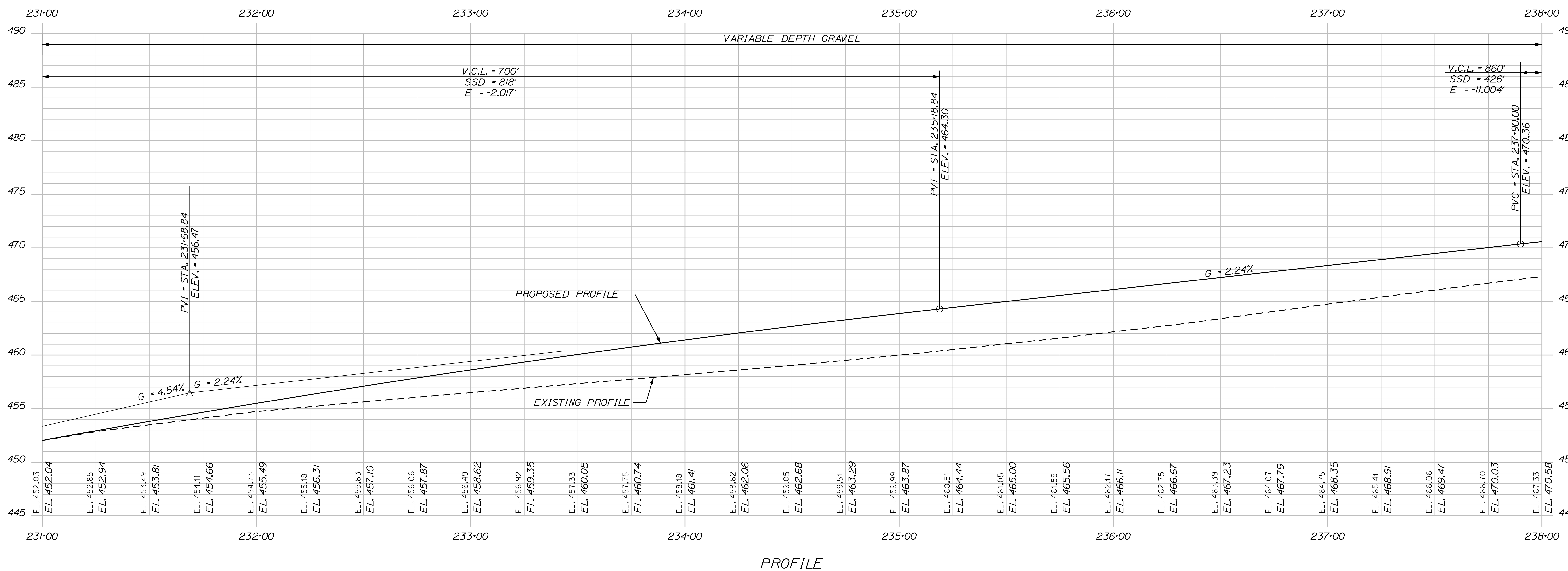
FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
59
OF 364

Filename: ...\HIGHWAY\MSTA\060_HDPlan33.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

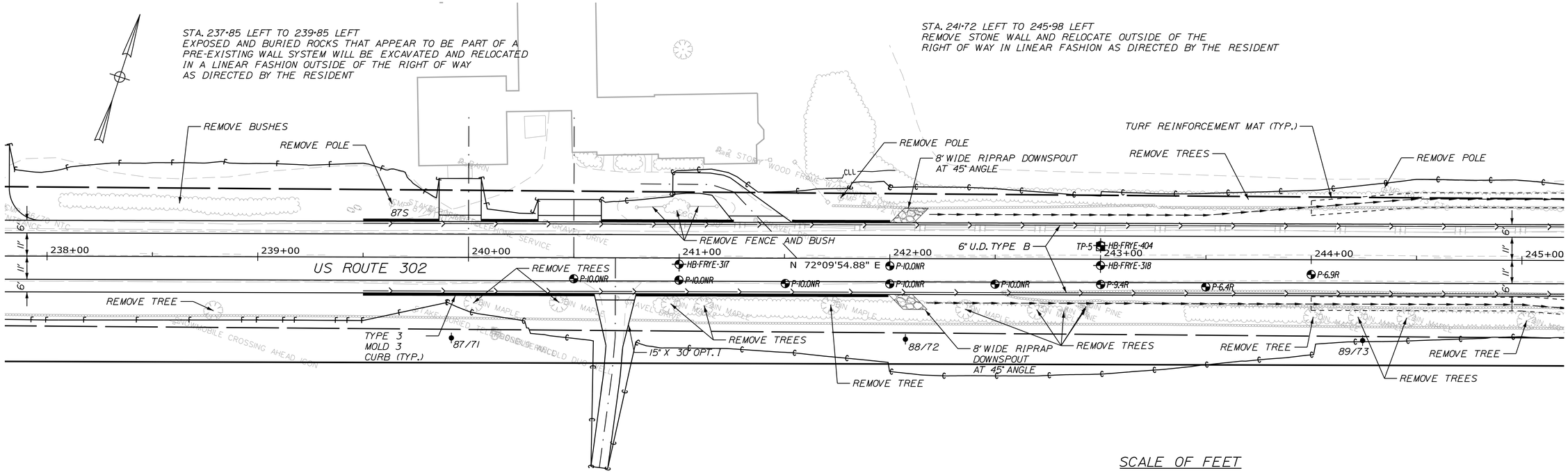
SHEET NUMBER

60

OF 364

STA. 237+85 LEFT TO 239+85 LEFT
EXPOSED AND BURIED ROCKS THAT APPEAR TO BE PART OF A PRE-EXISTING WALL SYSTEM WILL BE EXCAVATED AND RELOCATED IN A LINEAR FASHION OUTSIDE OF THE RIGHT OF WAY AS DIRECTED BY THE RESIDENT

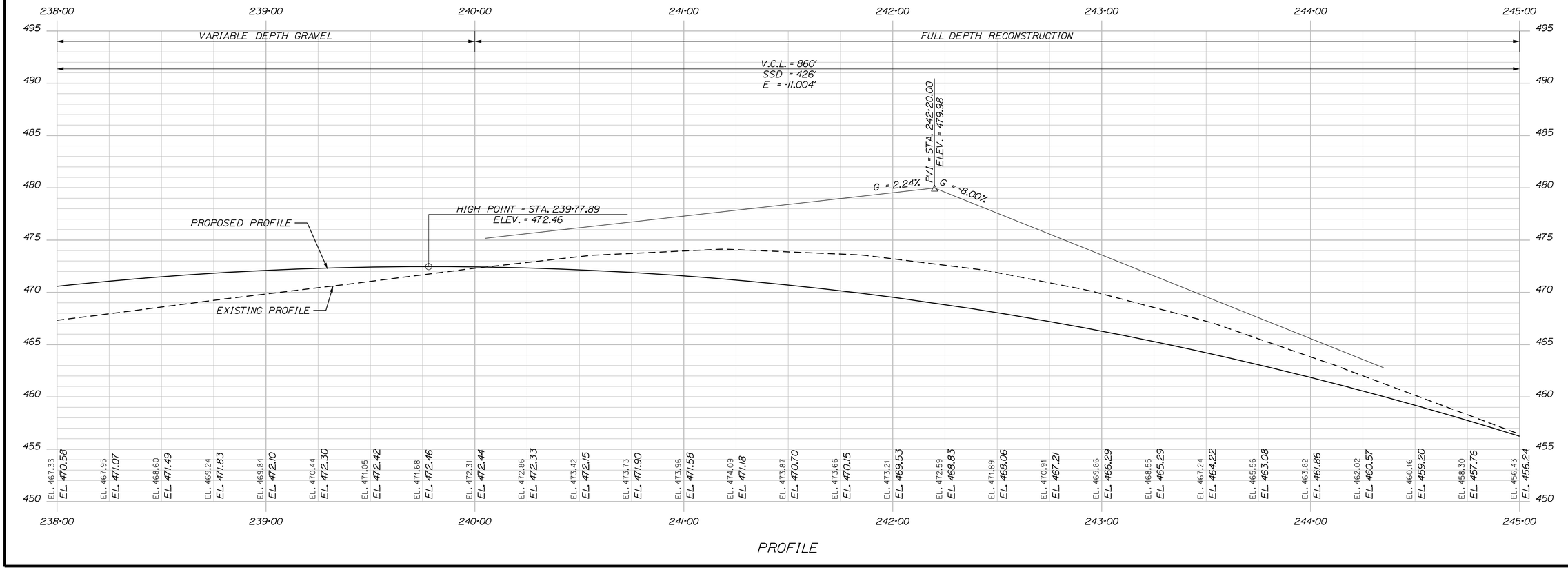
STA. 241+72 LEFT TO 245+98 LEFT
REMOVE STONE WALL AND RELOCATE OUTSIDE OF THE RIGHT OF WAY IN LINEAR FASHION AS DIRECTED BY THE RESIDENT



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

61

OF 364

Filename: ...\HIGHWAY\MSTA\061_HDPlan34.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STA. 241+72 LEFT TO 245+98 LEFT
REMOVE STONE WALL AND RELOCATE OUTSIDE OF THE
RIGHT OF WAY IN A LINEAR FASHION AS DIRECTED BY THE RESIDENT

TURF REINFORCEMENT MAT (TYP.)
U.D. OUTLET TYPE B
REMOVE POLE
REMOVE FENCE
REMOVE TREES
REMOVE STUMP
REMOVE TREE
REMOVE CB
REMOVE POLE
REMOVE POLE
REMOVE FENCE INSIDE OF ROW
EXISTING
CONST. LIMIT
6" U.D. TYPE B
REMOVE CULVERT
U.D. OUTLET TYPE B
REMOVE CB
REMOVE POLE
REMOVE TREES
REMOVE TREES
15" X 30' OPT. I
REMOVE CULVERT
18" X 30' OPT. I
REMOVE GUARDRAIL
EXISTING
CONST. LIMIT

245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00
N 72°09'54.88" E
US ROUTE 302
90/74
90½/74½
91/75

EXISTING
SEE R/W

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00

FULL DEPTH RECONSTRUCTION
IN-PLACE FDR & BOX WIDENING
IN-PLACE FDR & BOX WIDENING

PROPOSED PROFILE
EXISTING PROFILE
G = -8.00%
PVT = STA. 246+50.00
ELEV. = 445.58
V.C.L. = 860'
SSD = 426'
E = -11.004'

PROPOSED PROFILE
G = -8.00%
PVC = STA. 250+70.00
ELEV. = 411.98
V.C.L. = 500'
HLSD = 356'
E = 4.064'
EXISTING PROFILE

EL. 456.24 EL. 454.65 EL. 452.98 EL. 451.25 EL. 449.43 EL. 447.54 EL. 445.58 EL. 443.58 EL. 441.58 EL. 439.58 EL. 437.58 EL. 435.58 EL. 433.58 EL. 431.58 EL. 429.58 EL. 427.58 EL. 425.58 EL. 423.58 EL. 421.58 EL. 419.58 EL. 417.58 EL. 415.58 EL. 413.58 EL. 411.58 EL. 409.64 EL. 407.78 EL. 406.00 EL. 404.30 EL. 402.68

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN 17280.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

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62
OF 364

Filename: ...\HIGHWAY\MSTA\062_HDPlan35.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

NOTE: PAVEMENT BRIDGE TRANSITION: SEE STANDARD DETAIL 80(10)
PAVE WITH 6 INCHES HOT MIX ASPHALT IN TRANSITION AREA AS DIRECTED BY THE RESIDENT

EXISTING TOE OF SLOPE DITCH SEE R/W REF. A2C

TURF REINFORCEMENT MAT (TYP.)

REMOVE CULVERT

15" X 34' OPT. 1

REMOVE TREES

PAVEMENT BRIDGE TRANSITION: SEE STD. DETAIL 80(10)

BRIDGE TRANSITION (ASSYMETRICAL) TYPE I (SEE CONCRETE TRANSITION BARRIER DETAIL)

U.D. OUTLET TYPE B

6" U.D. TYPE B

N 72°09'54.88" E

U.D. OUTLET TYPE B

REMOVE GUARDRAIL (TYP. ALL FOUR CORNERS OF BRIDGE)

PAVEMENT BRIDGE TRANSITION

LIMIT OF WORK AT BRIDGE JOINT STA. 254+78.00

US ROUTE 302

SACO RIVER

Flow

EXISTING HIGHWAY DITCH DRAINAGE SEE R/W REF. A2C

PAVEMENT BRIDGE TRANSITION: SEE STD. DETAIL 80(10)

LIMIT OF WORK AT BRIDGE JOINT STA. 257+19.36

PAVEMENT BRIDGE TRANSITION

REMOVE GUARDRAIL

EXISTING OUTLET DITCH SEE R/W REF. A2C

EXISTING TOE OF SEE R/W REF. A2C

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

252+00 253+00 254+00 255+00 256+00 257+00 258+00 259+00

IN-PLACE FDR & BOX WIDENING

NO WORK ON BRIDGE

IN-PLACE FDR & BOX WIDENING

V.C.L. = 500'
HLSD = 356'
E = 4.064'

PVI = STA. 253+20.00
ELEV. = 391.98

PVT = STA. 255+70.00
ELEV. = 388.24

G = -8.00%

G = -1.50%

G = -1.50%

PROPOSED PROFILE

EXISTING PROFILE

EL. 402.52	EL. 402.68
EL. 401.00	EL. 401.14
EL. 399.63	EL. 399.69
EL. 398.26	EL. 398.31
EL. 397.04	EL. 397.02
EL. 395.82	EL. 395.81
EL. 394.76	EL. 394.68
EL. 393.78	EL. 393.63
EL. 392.83	EL. 392.66
EL. 391.97	EL. 391.77
EL. 391.11	EL. 390.97
EL. 390.24	EL. 390.25
	EL. 389.60
	EL. 389.04
	EL. 388.56
	EL. 388.16
	EL. 387.79
	EL. 387.41
	EL. 387.04
	EL. 386.66
	EL. 386.29
	EL. 385.89
	EL. 385.91
	EL. 385.40
	EL. 385.54
	EL. 384.91
	EL. 385.16
	EL. 384.43
	EL. 384.79
	EL. 383.96
	EL. 384.42
	EL. 383.66
	EL. 384.04
	EL. 383.41
	EL. 383.67
	EL. 383.13
	EL. 383.29

420 415 410 405 400 395 390 385 380 375

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

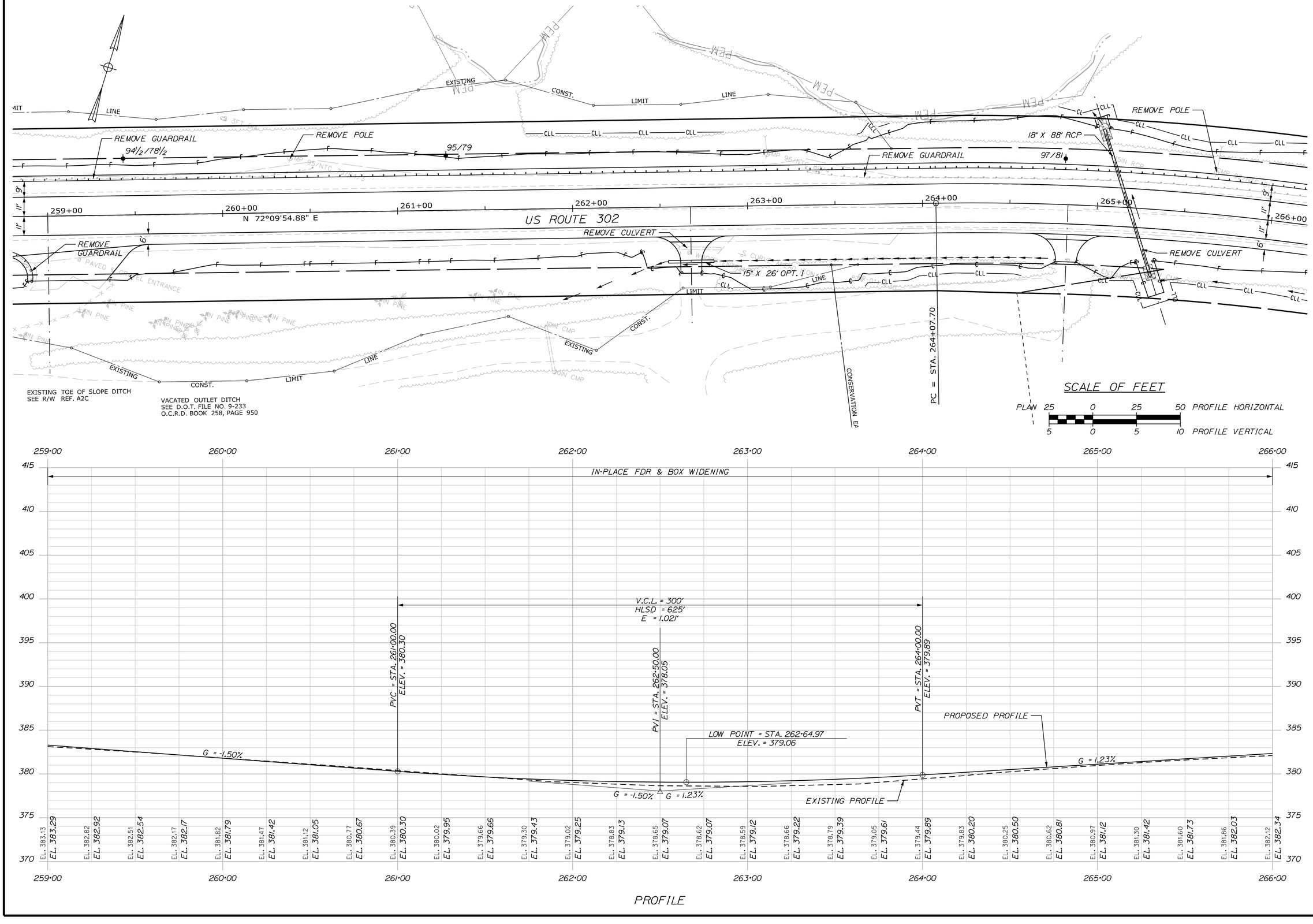
SHEET NUMBER

63

OF 364

Filename: ...\HIGHWAY\MSTA\063_HDPlan36.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\064_HDPlan37.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER

64

OF 364

Filename: ...\HIGHWAY\MSTA\065_HDPlan38.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

CURVE DATA #18
PI = 269+77.84
D = 3°57'05.2"
Δ = 42°55'47.2" Rt.
R = 1450.00'
L = 1086.44'
T = 570.14'
E = 108.06'

6' WIDE RIPRAP DOWNSPOUT AT 45° ANGLE
REMOVE FENCE
REMOVE GUARDRAIL
TYPE 3 MOLD 3 CURB (TYP.)
REMOVE POLE
6' U.D. TYPE B
U.D. OUTLET TYPE B
15" X 26' OPT. 1
98/82
97½/81½
US ROUTE 302
266+00
267+00
268+00
269+00
270+00
271+00
272+00
273+00
P-4.3R
P-5.0R
P-3.2R
P-2.9R
P-2.2R
HB-FRYE-319
P-3.0R
P-5.6R
83
84
TREE FARM
SNOWMOBILE CROSSING AHEAD ICON
GRAVEL DRIVE
WOODS ROAD
IN-PLACE FDR & BOX WIDENING
V.C.L. = 500'
SSD = 554'
E = -2.219'
PVC = STA. 267+30.00
ELEV. = 383.93
PVI = STA. 269+80.00
ELEV. = 387.00
PVT = STA. 272+30.00
ELEV. = 381.19
V.C.L. = 410'
HLSD = 425'
E = 2.200'
PVC = STA. 272+95.00
ELEV. = 379.68
HIGH POINT = STA. 269+02.64
ELEV. = 384.99
G = 1.23%
G = -2.32%
PROPOSED PROFILE
EXISTING PROFILE
415
410
405
400
395
390
385
380
375
370
El. 382.12 El. 382.34
El. 382.43 El. 382.65
El. 382.82 El. 382.95
El. 383.23 El. 383.26
El. 383.61 El. 383.57
El. 383.95 El. 383.87
El. 384.23 El. 384.17
El. 384.44 El. 384.41
El. 384.60 El. 384.62
El. 384.73 El. 384.78
El. 384.82 El. 384.89
El. 384.89 El. 384.97
El. 384.93 El. 384.99
El. 384.94 El. 384.98
El. 384.92 El. 384.91
El. 384.88 El. 384.81
El. 384.74 El. 384.66
El. 384.54 El. 384.46
El. 384.29 El. 384.22
El. 383.98 El. 383.94
El. 383.58 El. 383.61
El. 383.13 El. 383.24
El. 382.68 El. 382.82
El. 382.28 El. 382.36
El. 381.87 El. 381.85
El. 381.33 El. 381.30
El. 380.61 El. 380.72
El. 379.87 El. 380.14
El. 379.24 El. 379.56

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NH-1728(000)E
WIN 17280.00
HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

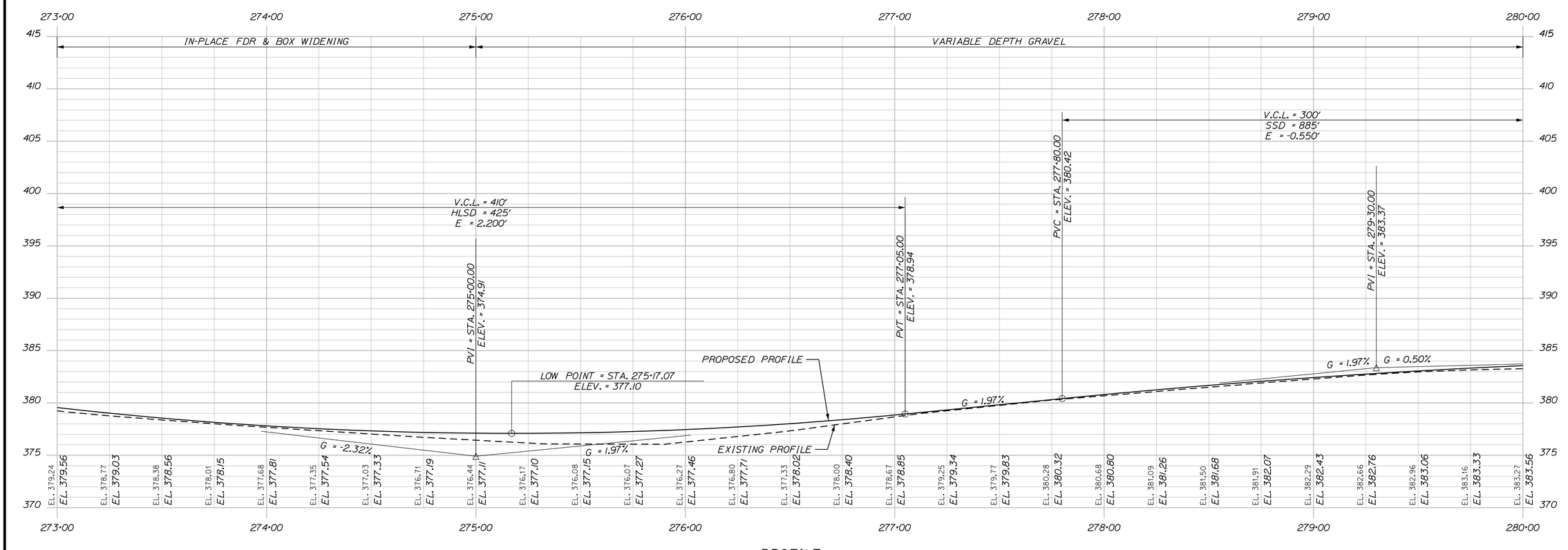
PLANS & PROFILES

SHEET NUMBER
65
OF 364

Filename: ...\HIGHWAY\MSTA\066_HDPlan39.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

REMOVE POLE
REMOVE GUARDRAIL
REMOVE POLE
REMOVE POLE
REMOVE FENCE
REMOVE POLE
REMOVE BOULDERS
15" X 32' OPT. I
REMOVE POLE
REMOVE BOULDER
REMOVE BOULDERS
84
85
86
87
PC = STA. 277+96.66
PT = STA. 274+94.13
S 64°54'17.97" E
US ROUTE 302
CONSERVATION EASEMENT LIMIT
CL SNOWMOBILE TRAIL
273+00
274+00
275+00
276+00
277+00
278+00
279+00
280+00
9'
11'
11'
9'

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL



PROFILE

	R. CARRELL	DATE
PROJ. MANAGER		
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
66
OF 364

Filename: ...\HIGHWAY\MSTA\067_HDPlan40.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

SENSITIVE AREA.
NO ACTIVITY ALLOWED.

F4 81' SPOTTED EGG MASSES: 2 WOOD

CURVE DATA #19
PI = 283+84.96
D = 3°37'34.7"
Δ = 40°50'41.6" Lt.
R = 1580.00'
L = 1126.35'
T = 588.30'
E = 105.97'

REMOVE POLE
REMOVE POLE
REMOVE POLE
REMOVE CULVERT
REMOVE BOULDER
REMOVE FENCE

US ROUTE 302

R 15'
R 10'
R 10' (TYP.)
15" X 26' OPT. 1
2X60
8X48X36
36X36X36

WOODS ENTRANCE
WOODS ENTRANCE
END OF PIPE BURIED
NARROWS BRIDGE
95IN RCP
EASEMENT LIMIT

HB-BRFR-117
HB-BRFR-118

280+00 281+00 282+00 283+00 284+00 285+00 286+00 287+00

SCALE OF FEET
PLAN 25 0 25 50 PROFILE HORIZONTAL
5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL

V.C.L. = 300'
SSD = 885'
E = -0.550'
PVT = STA. 280+80.00
ELEV. = 384.12

PROPOSED PROFILE
G = 0.50%
EXISTING PROFILE

V.C.L. = 360'
SSD = 612'
E = -1.125'
PVC = STA. 285+08.36
ELEV. = 386.26

HIGH POINT = STA. 285+80.36
ELEV. = 386.44

G = 0.50%
G = -2.00%
PVI = STA. 286+88.36
ELEV. = 387.16

280+00	281+00	282+00	283+00	284+00	285+00	286+00	287+00
EL. 383.27	EL. 383.38	EL. 383.51	EL. 383.64	EL. 383.72	EL. 383.79	EL. 383.86	EL. 383.93
EL. 383.56	EL. 383.77	EL. 383.95	EL. 384.10	EL. 384.22	EL. 384.35	EL. 384.47	EL. 384.60
EL. 384.02	EL. 384.12	EL. 384.20	EL. 384.26	EL. 384.32	EL. 384.36	EL. 384.40	EL. 384.43
EL. 384.72	EL. 384.85	EL. 384.97	EL. 385.10	EL. 385.22	EL. 385.35	EL. 385.47	EL. 385.60
EL. 384.46	EL. 384.48	EL. 384.51	EL. 384.53	EL. 384.56	EL. 384.58	EL. 384.58	EL. 384.53
EL. 385.72	EL. 385.85	EL. 385.97	EL. 386.10	EL. 386.22	EL. 386.34	EL. 386.41	EL. 386.44
EL. 384.41	EL. 384.21	EL. 383.91	EL. 383.54	EL. 383.13			
EL. 386.43	EL. 386.37	EL. 386.27	EL. 386.13	EL. 385.95			

420 415 410 405 400 395 390 385 380 375

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E
WIN
17280.00
HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		P.E. NUMBER
CHECKED-REVIEWED			
DESIGN2-DETAILED2			DATE
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
67
OF 364

Filename: ...\HIGHWAY\MSTA\068_HDPlan41.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

REMOVE TREE

REMOVE POLE

REMOVE POLE

REMOVE POLE

REMOVE GUARDRAIL (TYP. ALL FOUR BRIDGE CORNERS)

PAVEMENT TRANSITION AT BRIDGE (TYP.)

PT = STA. 289+23.00

STA. 289+89.65
LIMIT OF WORK
WIN 17280.00
END
WIN 23849.00

STA. 288+92.35
LIMIT OF WORK
WIN 17280.00
BEGIN
WIN 23849.00

SHORTRIDGE BRIDGE PROJECT
WIN 23849.00
STA. 288+92.35 TO STA. 289+89.65

PC = STA. 290+65.52

SENSITIVE AREA.
NO ACTIVITY
ALLOWED.

SENSITIVE AREA.
NO ACTIVITY
ALLOWED.

SENSITIVE AREA.
NO ACTIVITY
ALLOWED.

US ROUTE 302

N 74°15'00.39" E

CURVE DATA #20
PI = 293+22.47
D = 1°54'35.5"
Δ = 9°47'28.1" Rt.
R = 3000.00'
L = 512.66'
T = 256.96'
E = 10.98'

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

287+00 288+00 289+00 290+00 291+00 292+00 293+00 294+00

VARIABLE DEPTH GRAVEL

PROPOSED PROFILE

EXISTING PROFILE

STA. 288+92.35
LIMIT OF WORK
WIN 17280.00
BEGIN
WIN 23849.00

STA. 289+89.65
LIMIT OF WORK
WIN 17280.00
END
WIN 23849.00

PVT = STA. 288+68.36
ELEV. = 383.56

V.C.L. = 360'
SSD = 612'
E = -1.125'

PVC = STA. 291+39.39
ELEV. = 378.14

V.C.L. = 150'
HLSD = 505'
E = 0.473'

PVT = STA. 292+89.39
ELEV. = 377.03

PVI = STA. 292+14.39
ELEV. = 376.64

LOW POINT = STA. 292+58.44
ELEV. = 376.95

G = -2.00%

G = -2.00%

G = 0.52%

G = 0.52%

EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.	EL.
383.13	385.95	382.68	385.72	382.19	385.44	381.71	385.13	381.21	384.77	380.72	384.36	380.25	383.92	379.78	383.43	379.33	382.93	378.88	382.43	366.14	381.93	378.24	381.43	377.97	380.93	377.72	380.43	377.50	379.93
377.29	379.43	377.25	378.93	377.22	378.43	377.20	377.94	377.16	377.54	377.12	377.24	377.12	377.05	377.11	376.96	377.21	376.97	377.24	377.09	377.23	377.22	377.16	377.35	377.15	377.48	377.16	377.61		

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

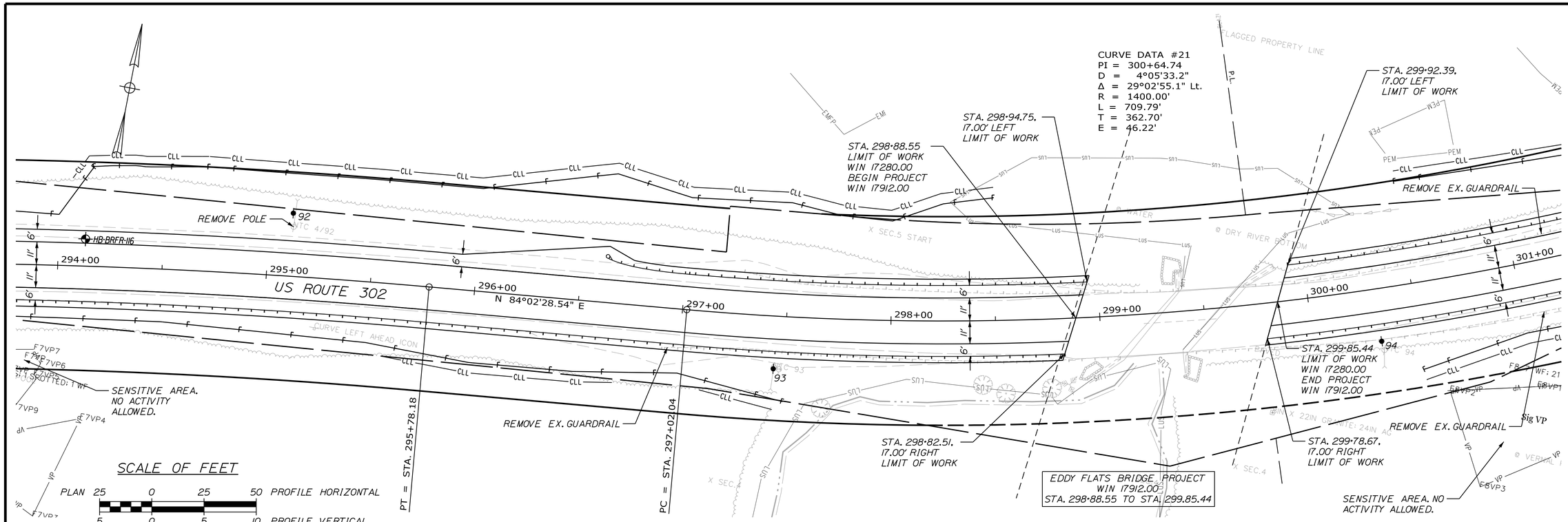
PLANS & PROFILES

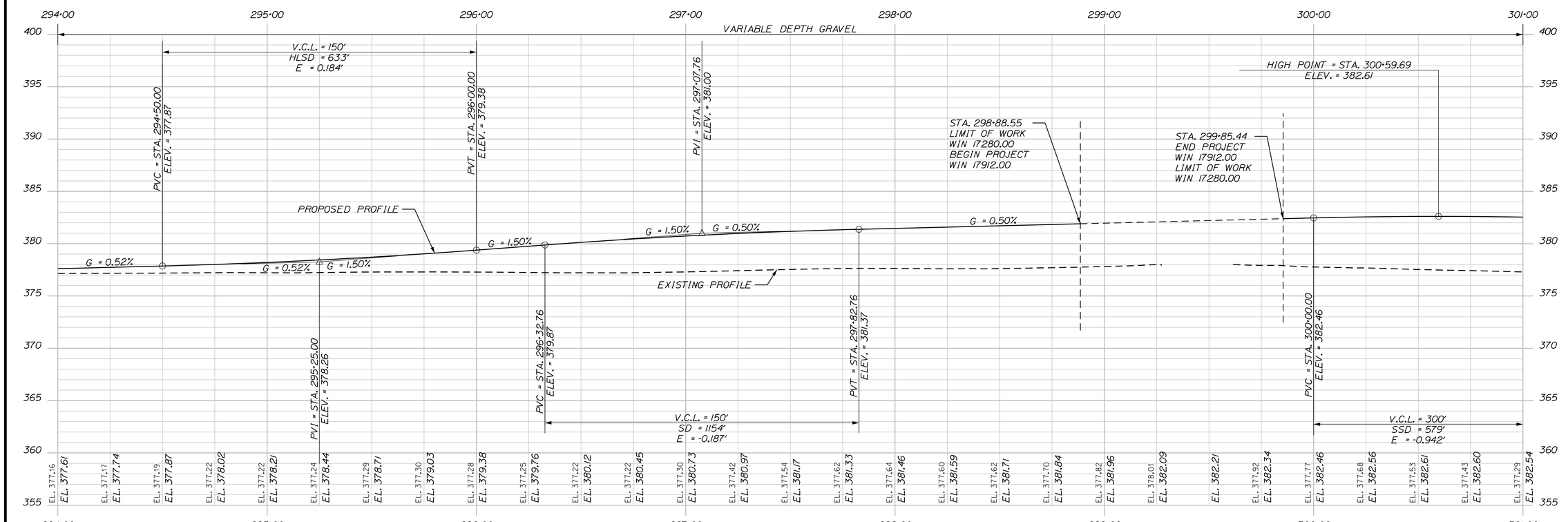
SHEET NUMBER

68

OF 364

Filename: ...\HIGHWAY\MSTA\069_HDPlan42.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





PROFILE

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
69
OF 364

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

CURVE DATA #21
PI = 300+64.74
D = 4°05'33.2"
Δ = 29°02'55.1" Lt.
R = 1400.00'
L = 709.79'
T = 362.70'
E = 46.22'

PT = STA. 304+11.83

N 54°59'33.48" E

REMOVE EX. GUARDRAIL

REMOVE CULVERT AND HEADWALLS

18" X 100' RCP

US ROUTE 302

SENSITIVE AREA. NO ACTIVITY ALLOWED.

REMOVE POLE

REMOVE BUSHES

REMOVE FENCE

REMOVE TREES

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

VARIABLE DEPTH GRAVEL

PROPOSED PROFILE

EXISTING PROFILE

PVI = STA. 301+50.00
ELEV. = 383.21

V.C.L. = 300'
SSD = 579'
E = -0.942'

PVRC = STA. 303+00.00
ELEV. = 380.19

V.C.L. = 200'
HLSD = 551'
E = 0.383'

PVI = STA. 304+00.00
ELEV. = 378.18

PVT = STA. 305+00.00
ELEV. = 377.70

PVC = STA. 307+55.57
ELEV. = 376.47

V.C.L. = 300'
HLSD = 745'
E = 0.609'

G = 0.50%
G = -2.01%
G = -2.01%
G = -2.01%
G = -0.48%
G = -0.48%

301+00	302+00	303+00	304+00	305+00	306+00	307+00	308+00
EL. 377.29	EL. 377.15	EL. 377.06	EL. 377.01	EL. 376.97	EL. 376.96	EL. 376.95	EL. 376.92
EL. 382.54	EL. 382.43	EL. 382.27	EL. 382.05	EL. 381.78	EL. 381.46	EL. 381.09	EL. 380.67
EL. 376.89	EL. 376.91	EL. 377.00	EL. 377.02	EL. 377.04	EL. 377.05	EL. 377.06	EL. 377.00
EL. 380.19	EL. 379.71	EL. 379.28	EL. 378.90	EL. 378.56	EL. 378.27	EL. 378.03	EL. 377.84
EL. 376.92	EL. 376.79	EL. 376.77	EL. 376.76	EL. 376.80	EL. 376.83	EL. 376.85	EL. 376.87
EL. 377.70	EL. 377.58	EL. 377.46	EL. 377.34	EL. 377.22	EL. 377.10	EL. 376.98	EL. 376.86
EL. 376.88	EL. 376.90	EL. 376.91	EL. 376.91				
EL. 376.74	EL. 376.62	EL. 376.50	EL. 376.39	EL. 376.31			

PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		P.E. NUMBER
CHECKED-REVIEWED			
DESIGN2-DETAILED2			DATE
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

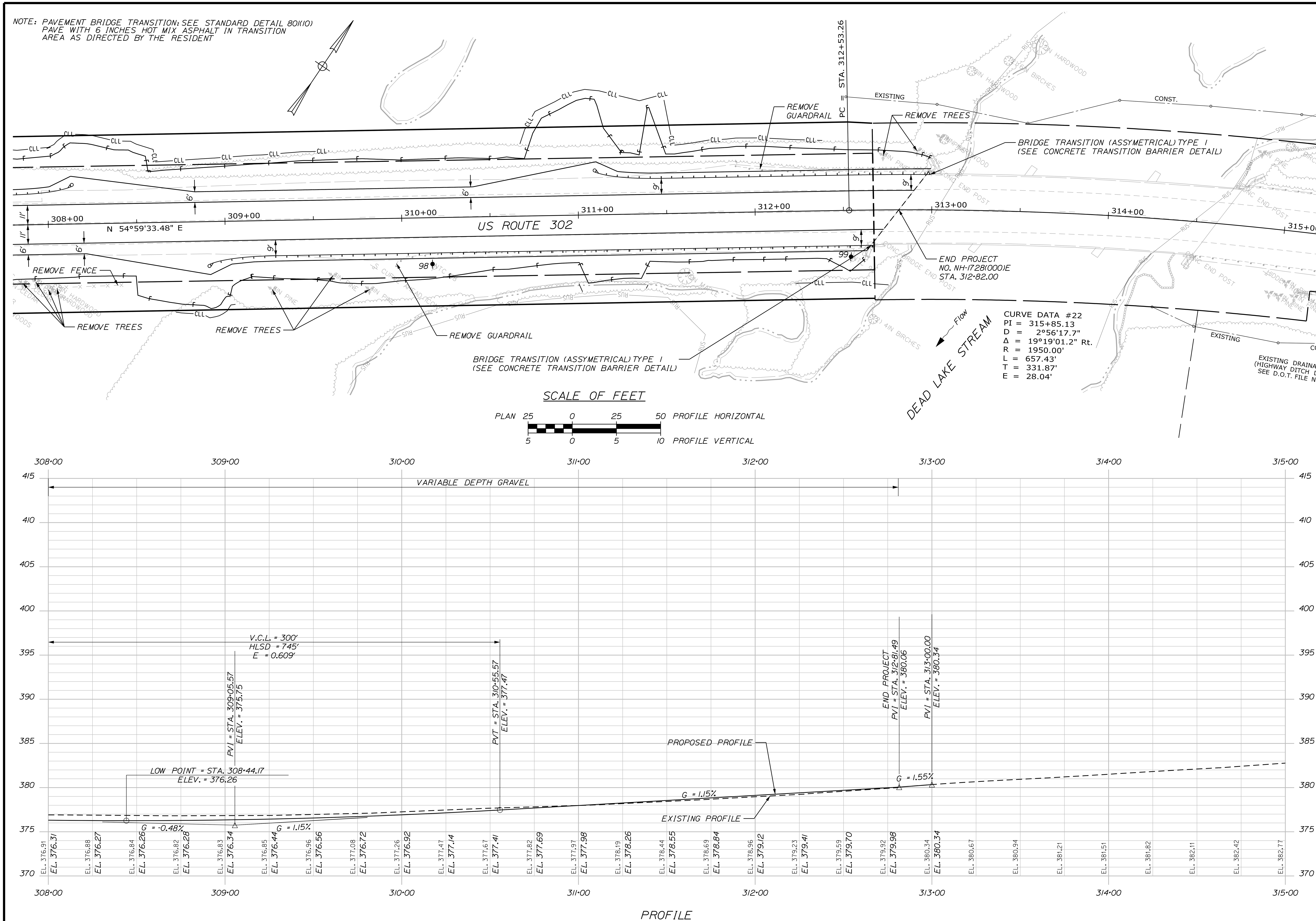
FRYEBURG
US ROUTE 302

PLANS & PROFILES

SHEET NUMBER
70
OF 364

Filename: ...\HIGHWAY\MSTA\070_HDPlan43.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\HIGHWAY\MSTA\071_HDPlan44.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

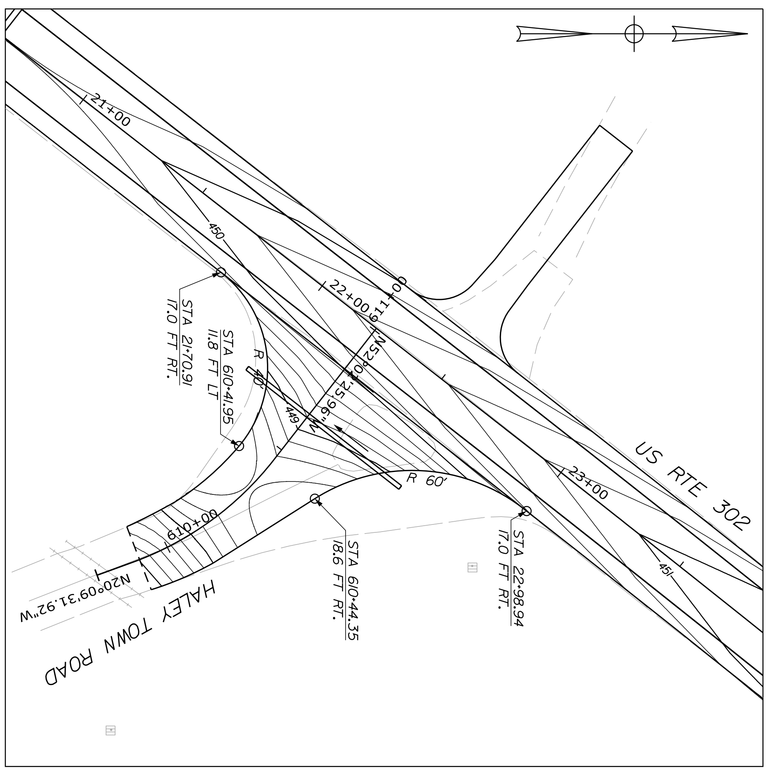
P.E. NUMBER

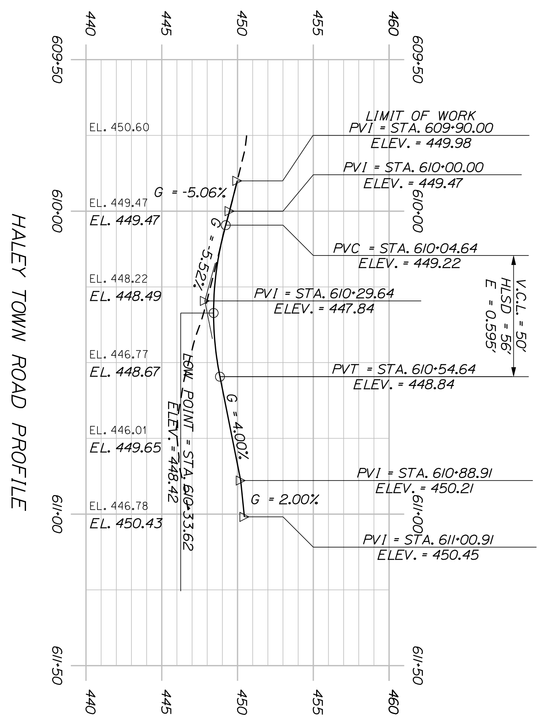
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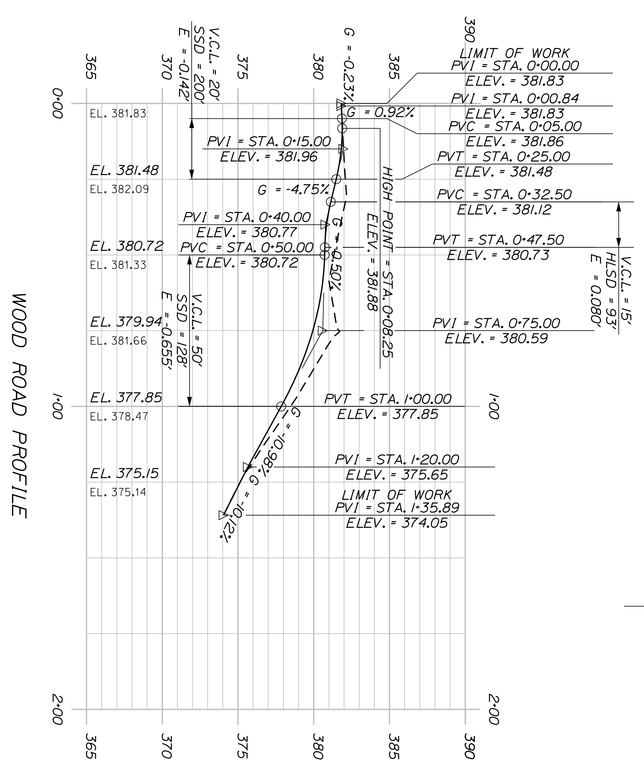
FRYEBURG
US ROUTE 302

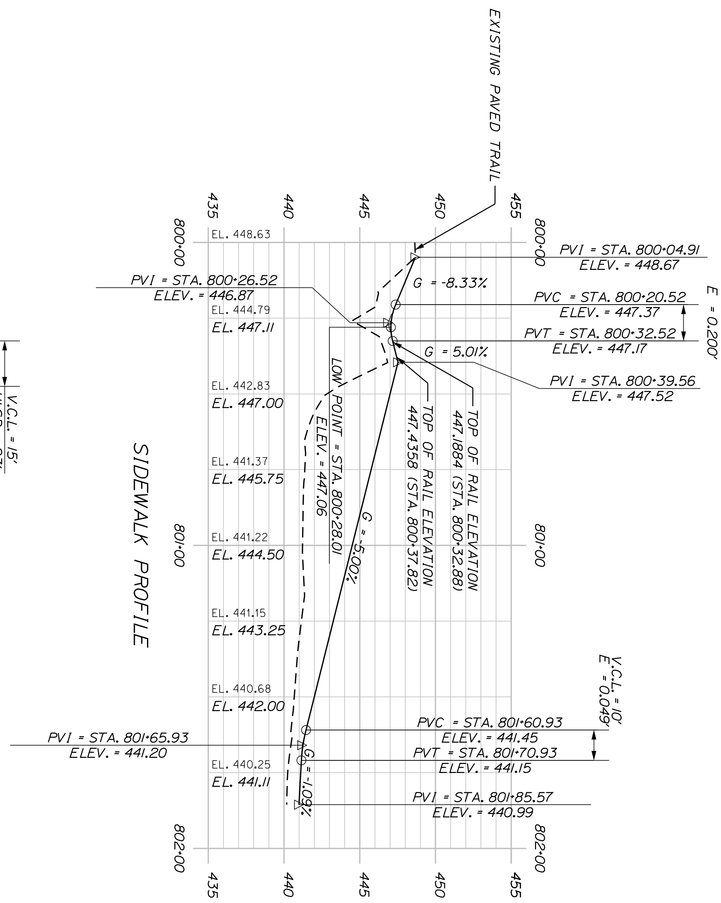
PLANS & PROFILES

SHEET NUMBER
71
OF 364









PROFILE VERTICAL 5 0 5 10
PROFILE HORIZONTAL 25 0 25 50 PLAN
SCALE OF FEET

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

FRYEBURG
US ROUTE 302

OTHER PROFILES

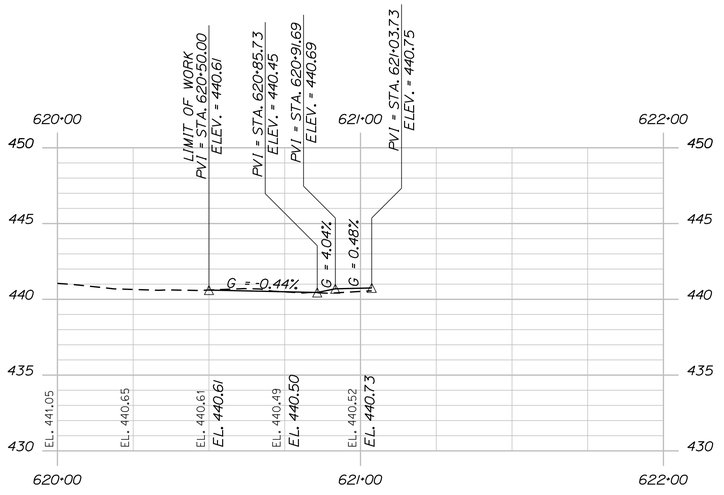
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

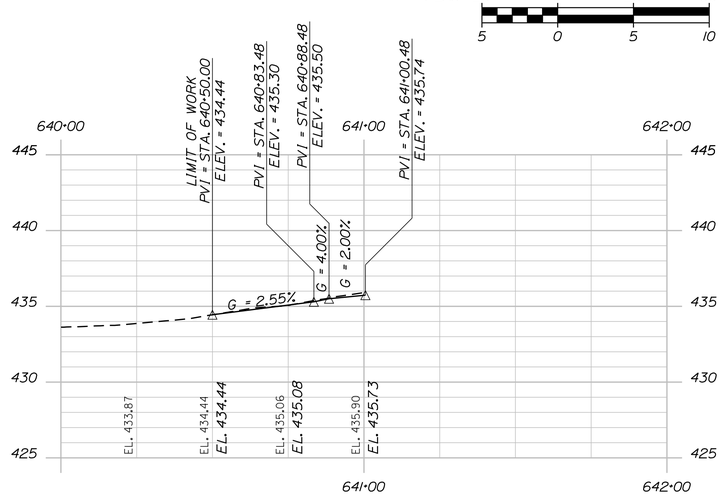
WIN
17280.00

HIGHWAY PLANS

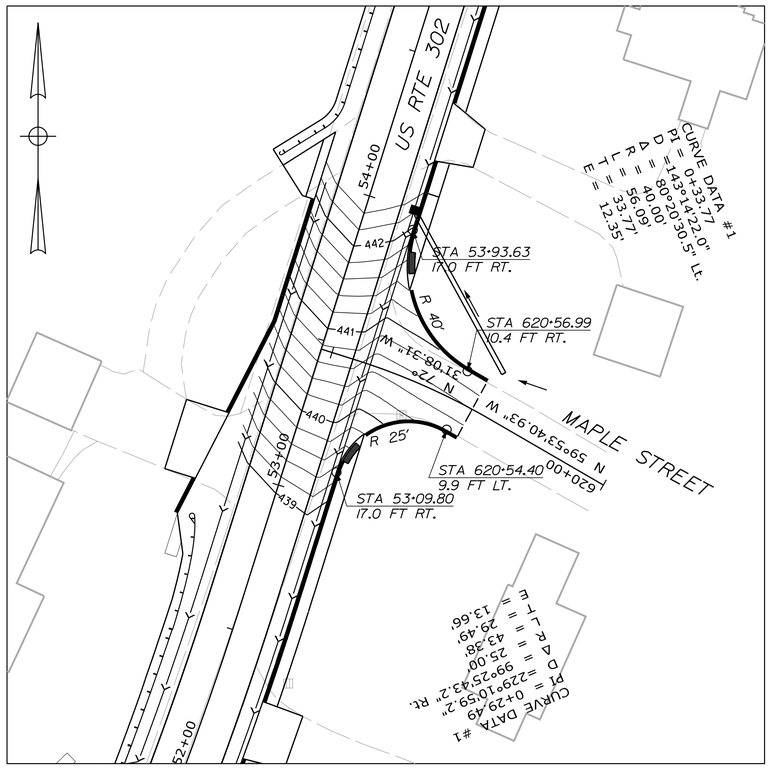
SHEET NUMBER 27 OF 364



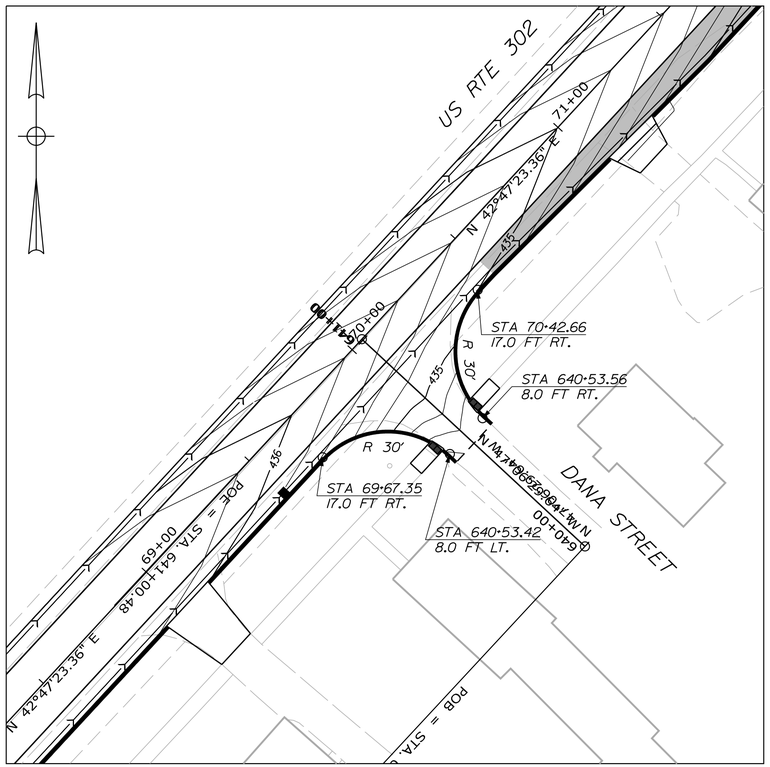
MAPLE STREET PROFILE



DANA STREET PROFILE



MAPLE STREET
INTERSECTION GRADING/GEOMETRY



DANA STREET
INTERSECTION GRADING/GEOMETRY

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

OTHER PROFILES

SHEET NUMBER

73

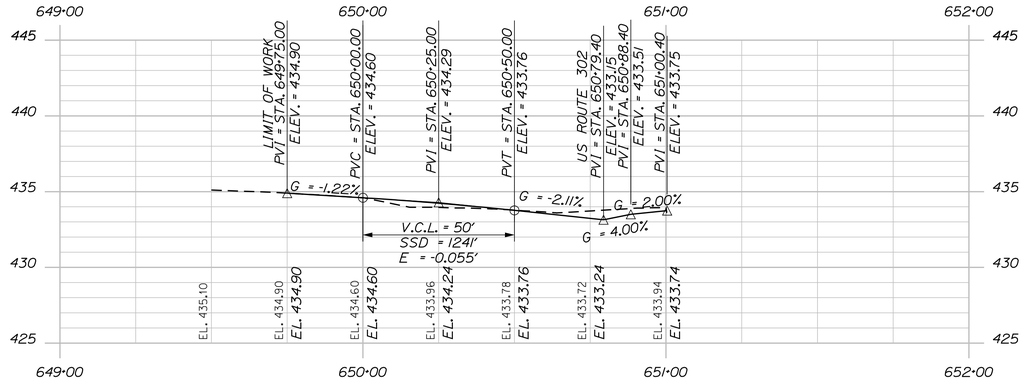
OF 364

Filename: ...\073_Profile_MAPLE & DANA.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

SCALE OF FEET

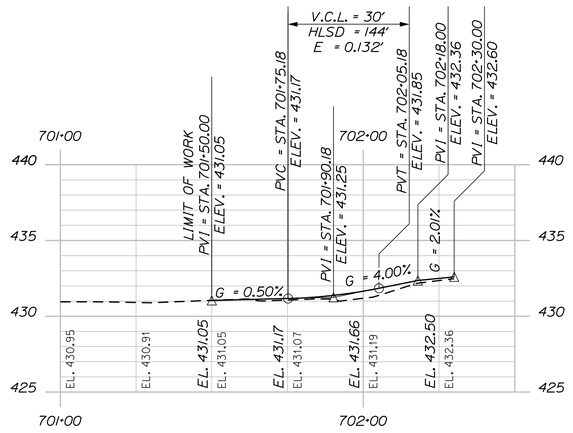
PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

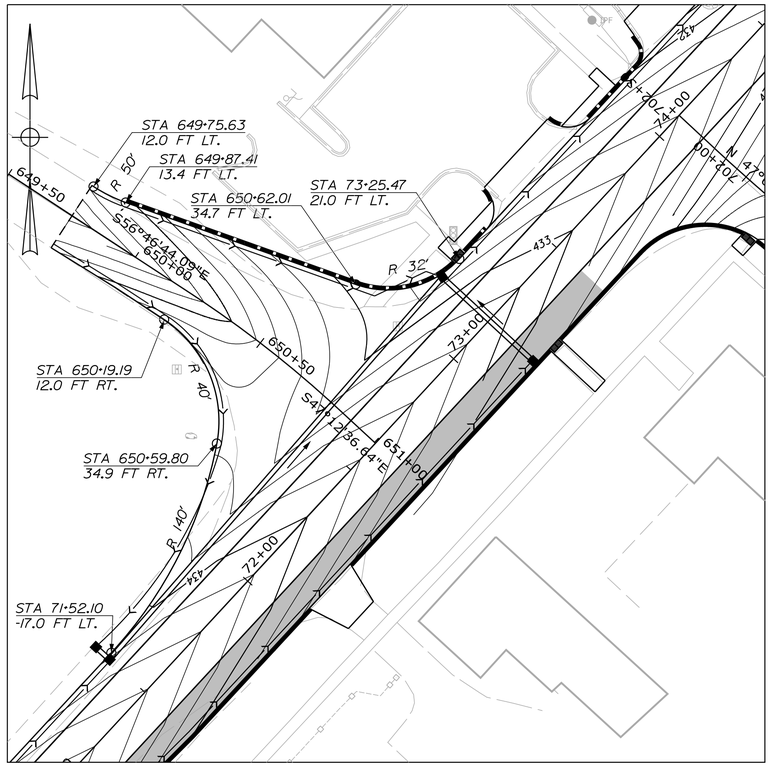


RIVER STREET PROFILE

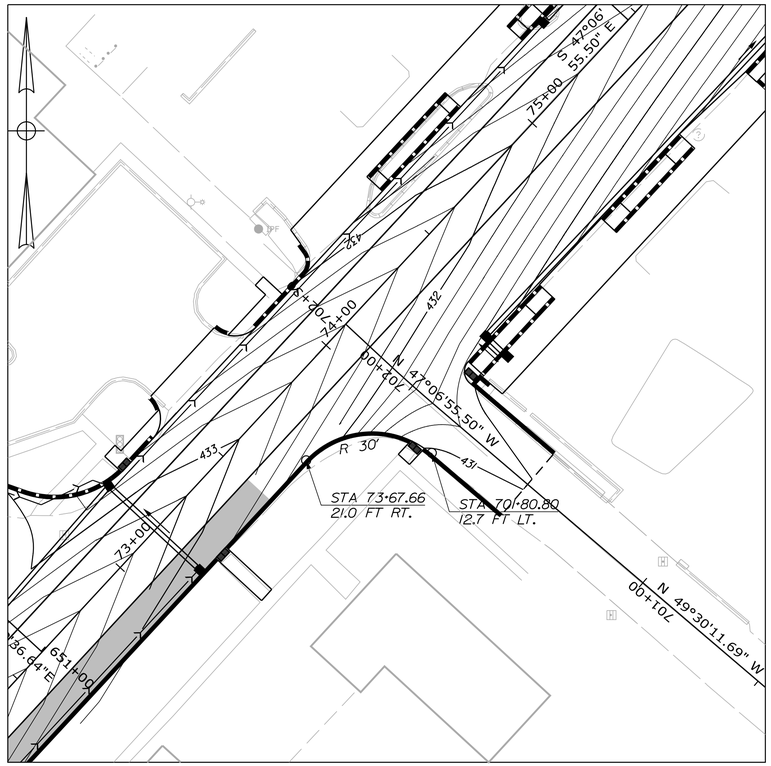
ADDITIONAL SURVEY
REQUIRED FOR ALINGMENT
EXTENSION TO LIMIT OF WORK



ELM STREET PROFILE



RIVER STREET
INTERSECTION GRADING/GEOMETRY



ELM STREET
INTERSECTION GRADING/GEOMETRY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

OTHER PROFILES

SHEET NUMBER

74

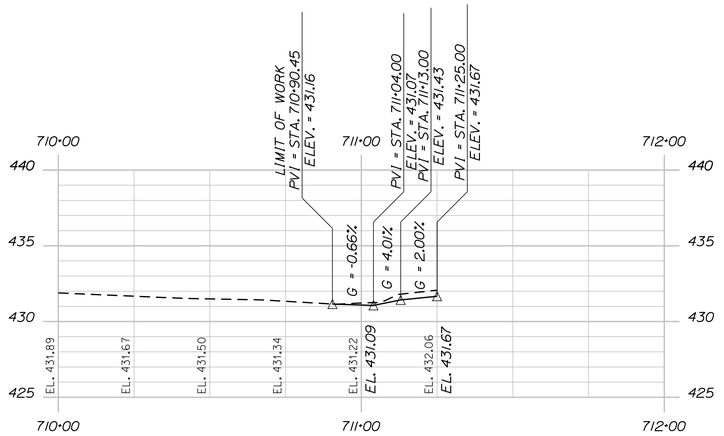
OF 364

Filename: ...\074_Profile_RIVER & ELM.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

SCALE OF FEET

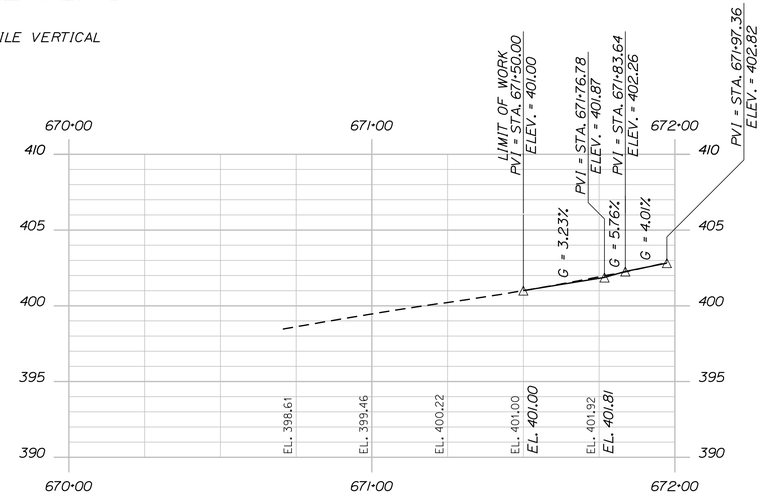
PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

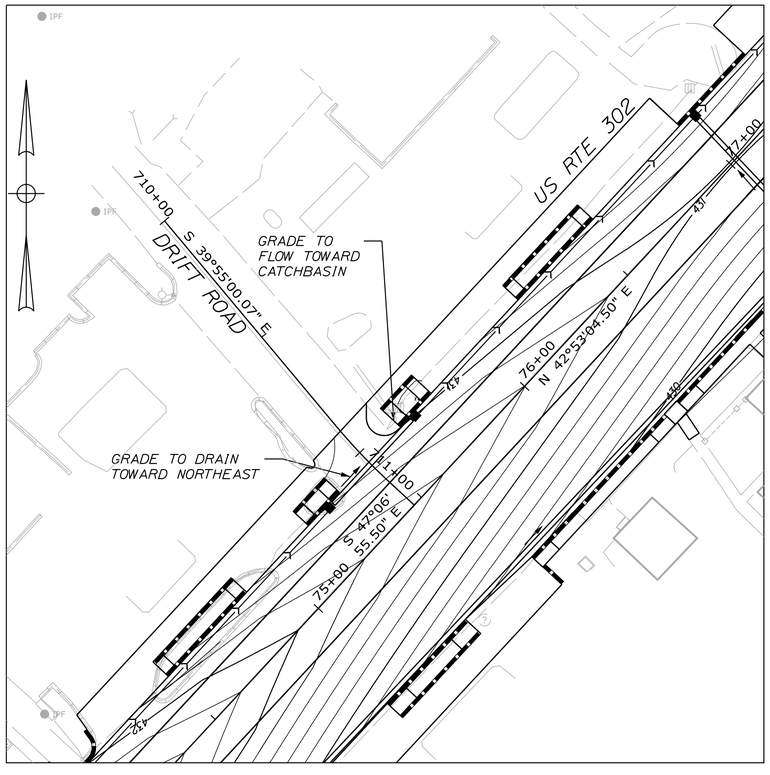


ADDITIONAL GROUND SURVEY REQUIRED

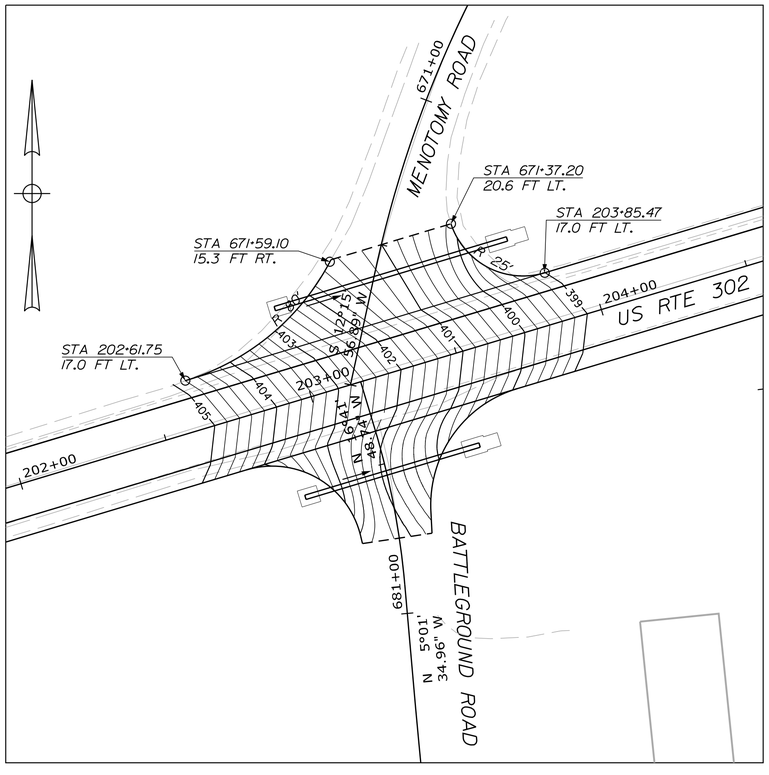
DRIFT ROAD PROFILE



MENOTOMY ROAD PROFILE



DRIFT ROAD
INTERSECTION GRADING/GEOMETRY



MENOTOMY ROAD
INTERSECTION GRADING/GEOMETRY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

OTHER PROFILES

SHEET NUMBER

75

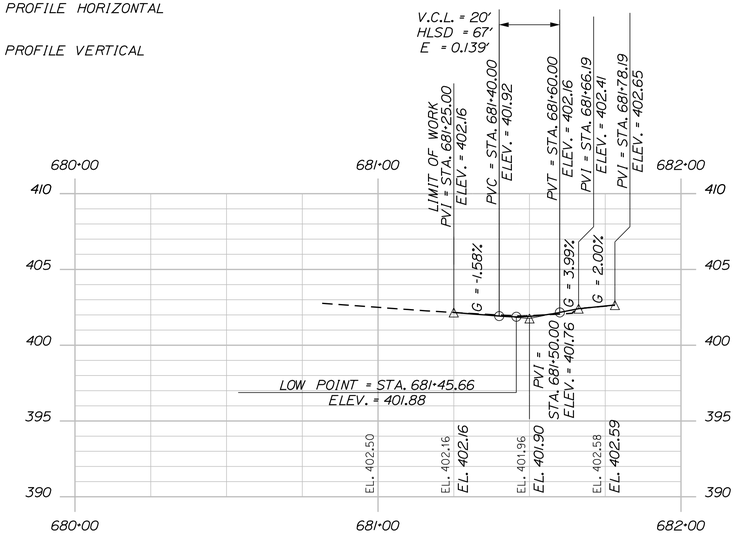
OF 364

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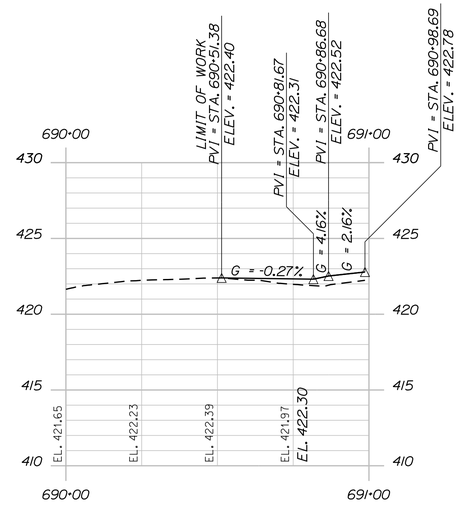
SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

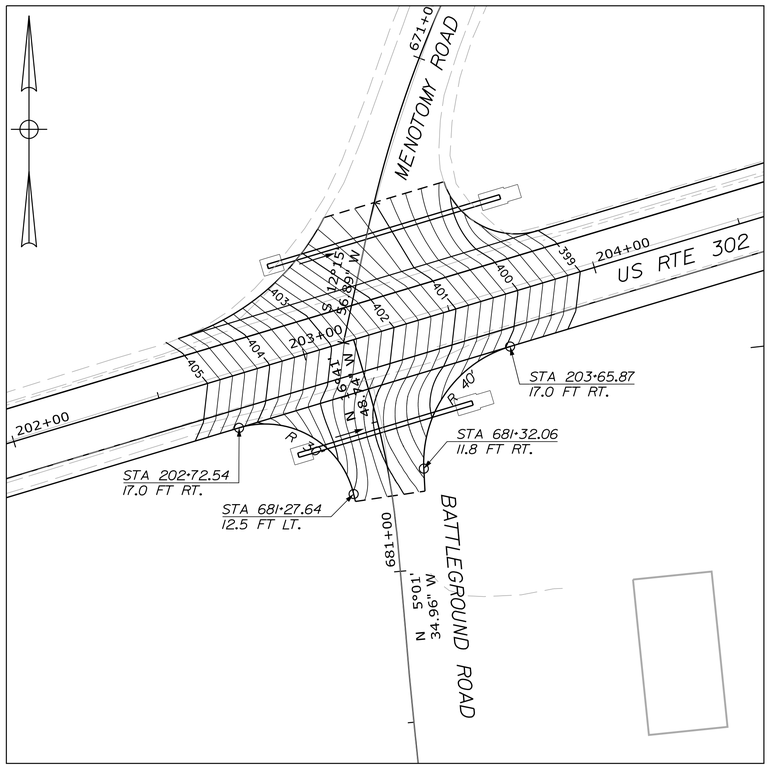
5 0 5 10 PROFILE VERTICAL



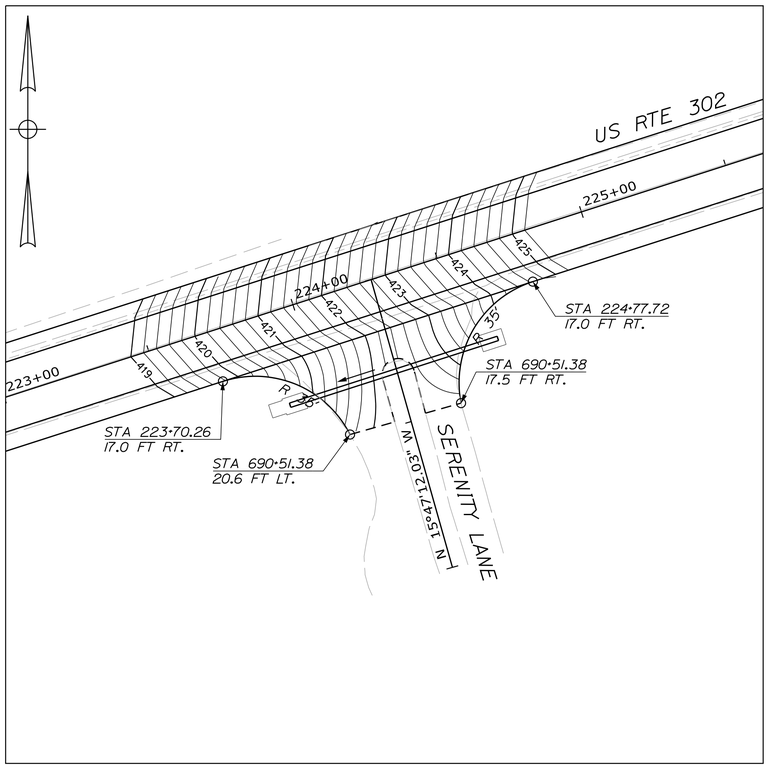
BATTLEGROUND ROAD PROFILE



SERENITY LANE PROFILE



BATTLEGROUND ROAD
INTERSECTION GRADING/GEOMETRY



SERENITY LANE
INTERSECTION GRADING/GEOMETRY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	-----
DESIGN-DETAILED	M. DEBOWSKI	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

OTHER PROFILES

SHEET NUMBER

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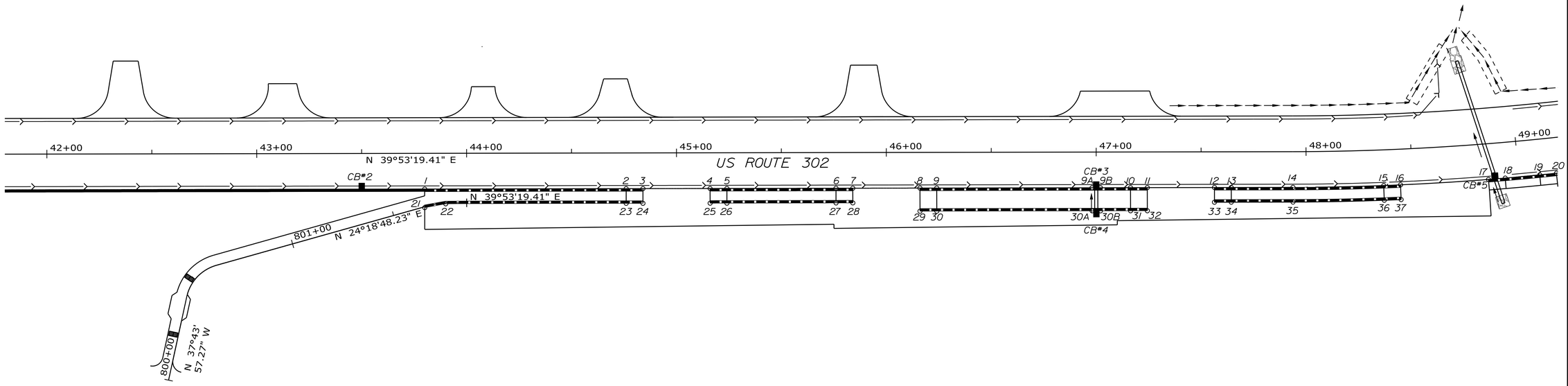
Filename: ...\076_Profile_BATTLEGROUND & SERENITY.dgn Design: HIGHWAY Username: mdebowski Date:12/10/2018

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
1	43+80.01	17.00 FT RT	822655.79	428723.51
2	44+76.00	17.00 FT RT	822717.34	428797.17
3	44+84.00	17.00 FT RT	822722.47	428803.30
4	45+16.00	17.00 FT RT	822742.99	428827.86
5	45+24.00	17.00 FT RT	822748.12	428834.00
6	45+76.00	17.00 FT RT	822781.47	428873.90
7	45+84.00	17.00 FT RT	822786.60	428880.04
8	46+16.00	17.00 FT RT	822807.12	428904.59
9	46+24.00	17.00 FT RT	822812.25	428910.73
9A	46+98.00	17.00 FT RT	822859.71	428967.50
9B	47+02.00	17.00 FT RT	822862.28	428970.57
10	47+16.33	17.00 FT RT	822871.46	428981.58
11	47+24.33	17.00 FT RT	822876.59	428987.72
12	47+56.33	17.00 FT RT	822897.11	429012.27
13	47+64.33	17.00 FT RT	822902.25	429018.41
14	47+93.74	17.00 FT RT	822921.11	429040.97
15	48+36.39	17.00 FT RT	822948.25	429074.64
16	48+44.28	17.00 FT RT	822953.14	429080.98
17	48+85.70	17.00 FT RT	822978.11	429114.75
18	48+93.59	17.00 FT RT	822982.74	429121.27
19	49+09.89	17.00 FT RT	822992.16	429134.86

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
20	49+17.77	17.00 FT RT	822996.65	429141.48
21	43+80.01	25.86 FT RT	822662.58	428717.83
22	43+90.00	24.07 FT RT	822667.61	428726.65
23	44+76.00	24.00 FT RT	822722.71	428792.68
24	44+84.00	24.00 FT RT	822727.85	428798.81
25	45+16.00	24.00 FT RT	822748.37	428823.37
26	45+24.00	24.00 FT RT	822753.50	428829.51
27	45+76.00	24.00 FT RT	822786.84	428869.41
28	45+84.00	24.00 FT RT	822791.97	428875.54
29	46+16.00	28.00 FT RT	822815.57	428897.53
30	46+24.00	28.00 FT RT	822820.70	428903.66
30A	46+98.00	24.00 FT RT	822868.15	428960.45
30B	47+02.00	24.00 FT RT	822870.72	428963.52
31	47+16.33	28.00 FT RT	822879.92	428974.51
32	47+24.33	28.00 FT RT	822885.05	428980.65
33	47+56.33	24.00 FT RT	822902.49	429007.77
34	47+64.33	24.00 FT RT	822907.62	429013.91
35	47+93.74	24.00 FT RT	822926.49	429036.47
36	48+36.41	24.00 FT RT	822953.80	429070.36
37	48+44.28	24.00 FT RT	822958.70	429076.71

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
1 TO 2	--	95.7'
5 TO 6	--	52.0'
9 TO 9A	--	74.0'
9B TO 10	--	14.3'
13 TO 14	--	29.4'
14 TO 15	1217'	43.3'
18 TO 19	1217'	16.5'
21 TO 22	--	10.0'
22 TO 23	--	86.0'
26 TO 27	--	52.0'
30 TO 30A	--	74.0'
30B TO 31	--	14.3'
34 TO 35	--	29.4'
35 TO 36	1224'	43.5'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	QUANTITY
2 TO 3	--	1 EA
4 TO 5	--	1 EA
6 TO 7	--	1 EA
8 TO 9	--	1 EA
10 TO 11	--	1 EA
12 TO 13	--	1 EA
15 TO 16	1217'	1 EA
17 TO 18	1217'	1 EA
19 TO 20	1217'	1 EA
23 TO 24	--	1 EA
25 TO 26	--	1 EA
27 TO 28	--	1 EA
29 TO 30	--	1 EA
31 TO 32	--	1 EA
33 TO 34	--	1 EA
36 TO 37	1224'	1 EA



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	------
DESIGN-DETAILED	M. DEBOWSKI	------
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

GEOMETRIC CURB LAYOUT

SHEET NUMBER

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OF 364

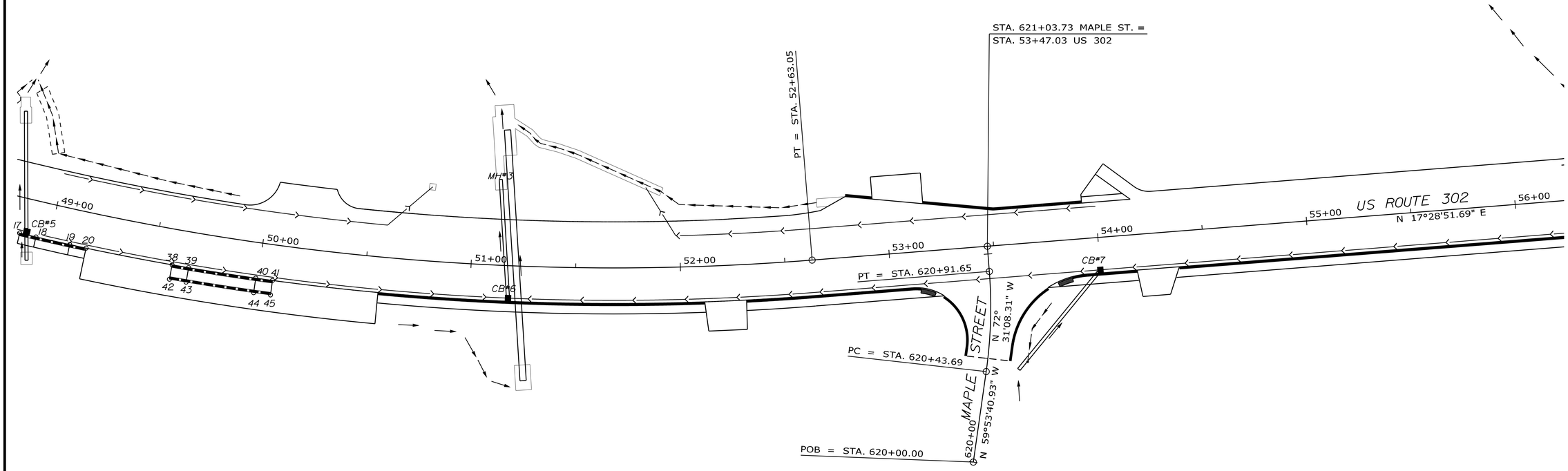
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Design HIGHWAY

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
38	49+59.06	17.00 FT RT	823019.44	429176.60
39	49+66.95	17.00 FT RT	823023.66	429183.40
40	49+98.97	17.00 FT RT	823040.31	429211.27
41	50+06.92	17.00 FT RT	823044.32	429218.27
42	49+59.01	24.00 FT RT	823025.35	429172.84
43	49+66.94	24.00 FT RT	823029.63	429179.71
44	49+98.94	24.00 FT RT	823046.37	429207.73
45	50+06.92	24.00 FT RT	823050.42	429214.80

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
39 TO 40	1217	32.5'
43 TO 44	1224'	32.6'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
38 TO 39	1217'	1 EA
40 TO 41	1217'	1 EA
42 TO 43	1224'	1 EA
44 TO 45	1224'	1 EA



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
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REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

GEOMETRIC CURB LAYOUT

SHEET NUMBER

78

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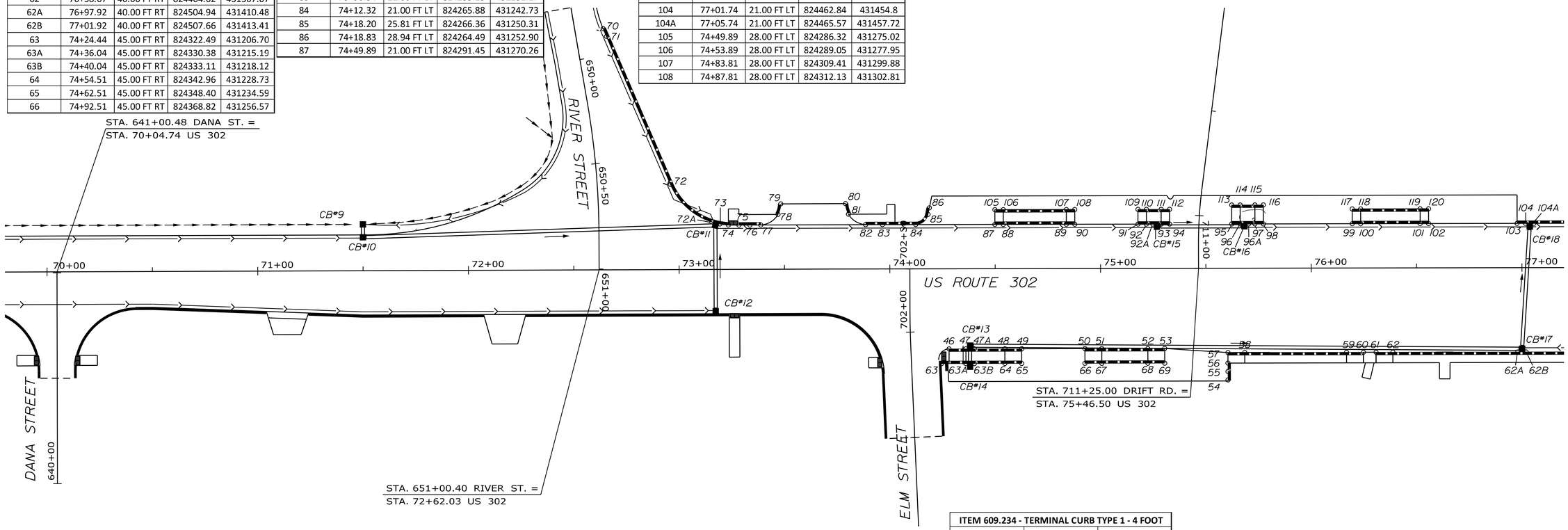
Filename: ...\078_Geometric_Layout_49+00_To_56+00.dgn Username: mdebowski Date:12/10/2018

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
46	74+28.04	38.00 FT RT	824319.81	431214.09
47	74+36.04	38.00 FT RT	824325.25	431219.95
47A	74+40.04	38.00 FT RT	824327.98	431222.88
48	74+54.51	38.00 FT RT	824337.83	431233.49
49	74+62.51	38.00 FT RT	824343.27	431239.35
50	74+92.51	38.00 FT RT	824363.69	431261.34
51	75+00.51	38.00 FT RT	824369.13	431267.20
52	75+22.38	38.00 FT RT	824384.01	431283.22
53	75+30.38	38.00 FT RT	824389.46	431289.08
54	75+60.38	53.00 FT RT	824420.86	431300.86
55	75+60.38	49.00 FT RT	824417.93	431303.58
56	75+60.38	45.00 FT RT	824415.00	431306.30
57	75+60.38	40.00 FT RT	824411.34	431309.70
58	75+68.38	40.00 FT RT	824416.78	431315.57
59	76+16.67	40.00 FT RT	824449.65	431350.95
60	76+24.67	40.00 FT RT	824455.09	431356.81
61	76+30.67	40.00 FT RT	824459.17	431361.21
62	76+38.67	40.00 FT RT	824464.62	431367.07
62A	76+97.92	40.00 FT RT	824504.94	431410.48
62B	77+01.92	40.00 FT RT	824507.66	431413.41
63	74+24.44	45.00 FT RT	824322.49	431206.70
63A	74+36.04	45.00 FT RT	824330.38	431215.19
63B	74+40.04	45.00 FT RT	824333.11	431218.12
64	74+54.51	45.00 FT RT	824342.96	431228.73
65	74+62.51	45.00 FT RT	824348.40	431234.59
66	74+92.51	45.00 FT RT	824368.82	431256.57

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
67	75+00.51	45.00 FT RT	824374.26	431262.43
68	75+22.38	45.00 FT RT	824389.14	431278.46
69	75+30.38	45.00 FT RT	824394.59	431284.32
70	649+87.41	13.36 FT LT	824096.70	431197.63
71	649+91.29	14.30 FT LT	824100.47	431196.29
72	650+62.01	34.72 FT LT	824172.60	431170.61
72A	73+15.61	22.56 FT LT	824198.97	431172.84
73	73+19.48	21.57 FT LT	824202.33	431175.00
74	73+23.45	21.06 FT LT	824205.39	431177.57
75	73+28.45	21.00 FT LT	824208.83	431181.20
76	73+33.17	20.07 FT LT	824212.72	431184.03
77	73+38.84	21.01 FT LT	824215.89	431188.83
78	73+47.03	26.00 FT LT	824217.79	431198.23
79	73+49.11	30.17 FT LT	824216.14	431202.60
80	73+79.02	31.01 FT LT	824235.89	431225.15
81	73+80.41	26.00 FT LT	824240.50	431222.75
82	73+88.54	21.00 FT LT	824249.70	431225.30
83	73+96.54	21.00 FT LT	824255.15	431231.17
84	74+12.32	21.00 FT LT	824265.88	431242.73
85	74+18.20	25.81 FT LT	824266.36	431250.31
86	74+18.83	28.94 FT LT	824264.49	431252.90
87	74+49.89	21.00 FT LT	824291.45	431270.26

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
88	74+53.89	21.00 FT LT	824294.18	431273.19
89	74+83.81	21.00 FT LT	824314.54	431295.11
90	74+87.81	21.00 FT LT	824317.26	431298.05
91	75+17.81	21.00 FT LT	824337.68	431320.03
92	75+21.81	21.00 FT LT	824340.4	431322.96
92A	75+24.81	21.00 FT LT	824342.43	431325.16
93	75+28.81	21.00 FT LT	824345.16	431328.09
94	75+32.81	21.00 FT LT	824347.88	431331.02
95	75+62.31	21.00 FT LT	824367.96	431352.63
96	75+66.31	21.00 FT LT	824370.68	431355.56
96A	75+70.31	21.00 FT LT	824373.41	431358.49
97	75+73.31	21.00 FT LT	824375.44	431360.69
98	75+77.31	21.00 FT LT	824378.17	431363.62
99	76+19.50	21.00 FT LT	824406.88	431394.53
100	76+23.50	21.00 FT LT	824409.6	431397.47
101	76+51.74	21.00 FT LT	824428.82	431418.16
102	76+55.74	21.00 FT LT	824431.54	431421.09
103	76+97.74	21.00 FT LT	824460.12	431451.87
104	77+01.74	21.00 FT LT	824462.84	431454.8
104A	77+05.74	21.00 FT LT	824465.57	431457.72
105	74+49.89	28.00 FT LT	824286.32	431275.02
106	74+53.89	28.00 FT LT	824289.05	431277.95
107	74+83.81	28.00 FT LT	824309.41	431299.88
108	74+87.81	28.00 FT LT	824312.13	431302.81

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
109	75+17.81	28.00 FT LT	824332.55	431324.19
110	75+21.81	28.00 FT LT	824335.27	431327.72
111	75+28.81	28.00 FT LT	824340.03	431332.85
112	75+32.81	28.00 FT LT	824342.75	431335.78
113	75+62.31	30.00 FT LT	824361.36	431358.76
114	75+66.31	30.00 FT LT	824364.09	431361.69
115	75+73.31	30.00 FT LT	824368.85	431366.82
116	75+77.31	30.00 FT LT	824371.57	431369.75
117	76+19.50	28.00 FT LT	824401.75	431399.3
118	76+23.50	28.00 FT LT	824404.47	431402.23
119	76+51.74	28.00 FT LT	824423.69	431422.92
120	76+55.74	28.00 FT LT	824426.41	431425.85



ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
47A TO 48	--	14.5'
51 TO 52	--	21.9'
58 TO 59	--	48.3'
62 TO 62A	--	59.2'
62B TO 121		28.2'
63 TO 63A	--	11.6'
63B TO 64	--	14.4'
67 TO 68	--	21.9'
71 TO 72	--	76.6'
83 TO 84	--	15.8'
85 TO 86	--	3.2'
88 TO 89	--	29.9'
92 TO 92A	--	3.0'
96A TO 97	--	3.0'
100 TO 101	--	28.2'
104A TO 136	--	20.0'
106 TO 107	--	29.9'
110 TO 111	--	7.0'

ITEM 609.12 - VERTICAL CURB TYPE 1 - CIRCULAR		
PT. TO PT.	RADIUS	LENGTH
72 TO 72A	32.0'	27.3'
73 TO 74	32.0'	4.0'
78 TO 79	10.0'	5.2'
80 TO 81	10.0'	5.3'
84 TO 85	6.0'	8.2'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
46 TO 47	--	1 EA
48 TO 49	--	1 EA
50 TO 51	--	1 EA
52 TO 53	--	1 EA
57 TO 58	--	1 EA
59 TO 60	--	1 EA
61 TO 62	--	1 EA
64 TO 65	--	1 EA
66 TO 67	--	1 EA
68 TO 69	--	1 EA
75 TO 76	--	1 EA
76 TO 77	--	1 EA
82 TO 83	--	1 EA

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
54 TO 55	--	1 EA
55 TO 56	--	1 EA
70 TO 71	--	1 EA
87 TO 88	--	1 EA
89 TO 90	--	1 EA
91 TO 92	--	1 EA
93 TO 94	--	1 EA
95 TO 96	--	1 EA
97 TO 98	--	1 EA
99 TO 100	--	1 EA
101 TO 102	--	1 EA
103 TO 104	--	1 EA
105 TO 106	--	1 EA
107 TO 108	--	1 EA
109 TO 110	--	1 EA
111 TO 112	--	1 EA
113 TO 114	--	1 EA
115 TO 116	--	1 EA
117 TO 118	--	1 EA
119 TO 120	--	1 EA

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

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FRYEBURG
US ROUTE 302

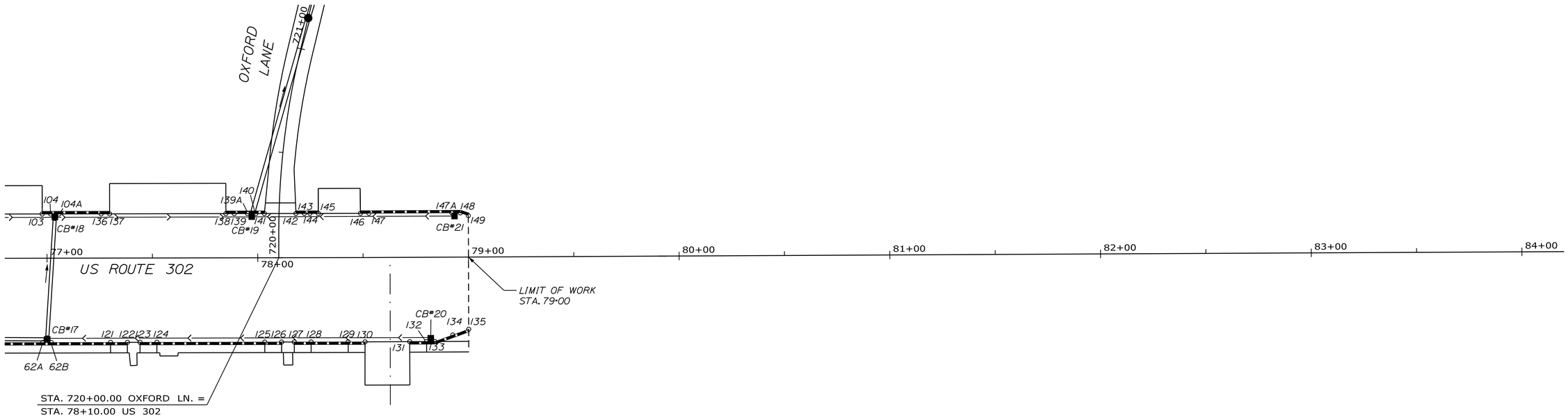
GEOMETRIC CURB LAYOUT

SHEET NUMBER

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OF 364

Filename: ...\079_Geometric_Layout_70+00_To_77+00.dgn Design: HIGHWAY Username: mdebowski Date:12/10/2018



CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
121	77+30.05	40.00 FT RT	824526.81	431434.03
122	77+38.05	40.00 FT RT	824532.25	431439.89
123	77+44.05	40.00 FT RT	824536.33	431444.29
124	77+52.05	40.00 FT RT	824541.78	431450.15
125	78+03.25	40.00 FT RT	824576.62	431487.66
126	78+11.25	40.00 FT RT	824582.06	431493.53
127	78+17.25	40.00 FT RT	824586.15	431497.92
128	78+25.25	40.00 FT RT	824591.59	431503.78
129	78+42.84	40.00 FT RT	824603.56	431516.67
130	78+50.84	40.00 FT RT	824609	431522.53
131	78+71.93	40.00 FT RT	824623.39	431538.11
132	78+79.93	40.00 FT RT	824628.82	431543.99
133	78+83.93	40.00 FT RT	824631.53	431546.93
134	78+92.42	36.95 FT RT	824635.05	431555.23
135	78+99.95	34.25 FT RT	824638.17	431562.6
136	77+25.72	21.00 FT LT	824479.16	431472.36
137	77+29.72	21.00 FT LT	824481.88	431475.29
138	77+84.91	21.00 FT LT	824519.44	431515.73
139	77+88.91	21.00 FT LT	824522.16	431518.66
139A	77+95.18	21.00 FT LT	824526.42	431523.27
140	77+99.18	21.00 FT LT	824529.15	431526.19
141	78+03.18	21.00 FT LT	824531.87	431529.12

CONTROL POINTS				
POINT	STATION	OFFSET	X COORD.	Y COORD.
142	78+18.18	21.00 FT LT	824542.08	431540.11
143	78+22.18	21.00 FT LT	824544.8	431543.04
144	78+24.78	21.00 FT LT	824546.57	431544.95
145	78+28.78	21.00 FT LT	824549.3	431547.88
146	78+48.79	21.00 FT LT	824562.91	431562.54
147	78+52.86	21.00 FT LT	824565.64	431565.48
147A	78+92.25	21.00 FT LT	824592.34	431594.43
148	78+96.25	21.00 FT LT	824595.07	431597.36
149	79+00.03	19.69 FT LT	824598.6	431599.25

ITEM 609.11 - VERTICAL CURB TYPE 1		
PT. TO PT.	RADIUS	LENGTH
124 TO 125	--	51.2'
128 TO 129	--	17.6'
133 TO 134	--	9.0'
139 TO 139A	--	6.3'
143 TO 144	--	2.6'
147 TO 147A	--	39.4'

ITEM 609.238 - TERMINAL CURB TYPE 1 - 8 FOOT		
PT. TO PT.	RADIUS	LENGTH
121 TO 122	--	1 EA
123 TO 124	--	1 EA
125 TO 126	--	1 EA
127 TO 128	--	1 EA
129 TO 130	--	1 EA
131 TO 133	--	1 EA
134 TO 135	--	1 EA

ITEM 609.234 - TERMINAL CURB TYPE 1 - 4 FOOT		
PT. TO PT.	RADIUS	LENGTH
136 TO 137	--	1 EA
138 TO 139	--	1 EA
140 TO 141	--	1 EA
142 TO 143	--	1 EA
144 TO 145	--	1 EA
146 TO 147	--	1 EA
148 TO 149	--	1 EA

SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

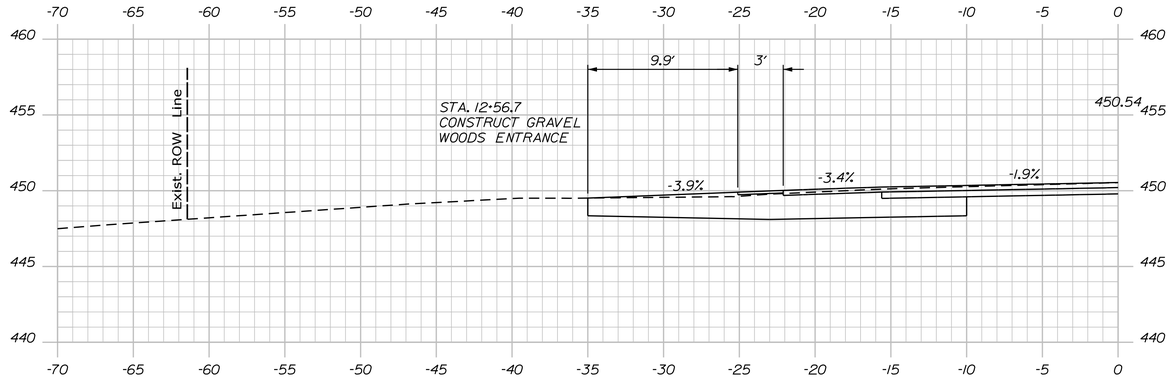
GEOMETRIC CURB LAYOUT

SHEET NUMBER

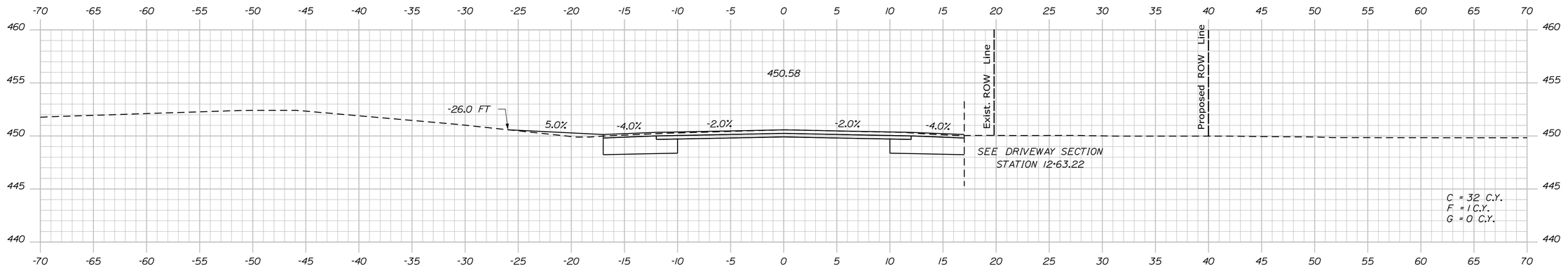
80

OF 364

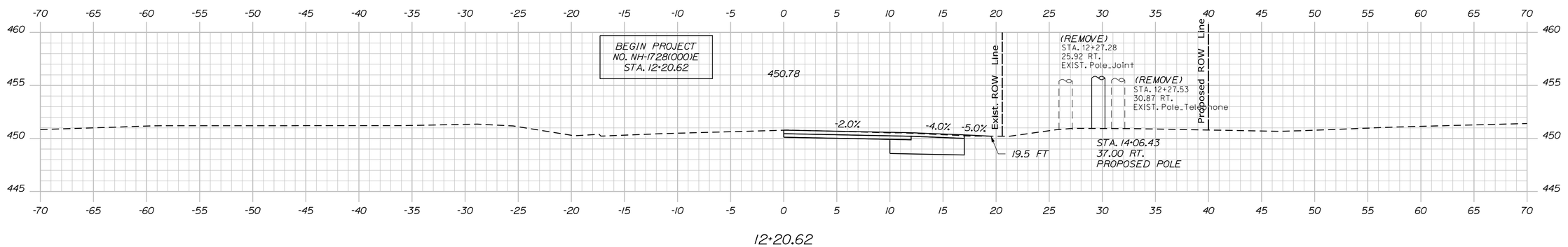
Filename: ...\080_Geometric_Layout_77+00_To_79+00.dgn Usernname: mdebowski Date:12/10/2018



12+56.70 (SKEWED ALONG DRIVEWAY CENTERLINE)



12+50.00



12+20.62

Sta. 12+20.62 to Sta. 12+56.70

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

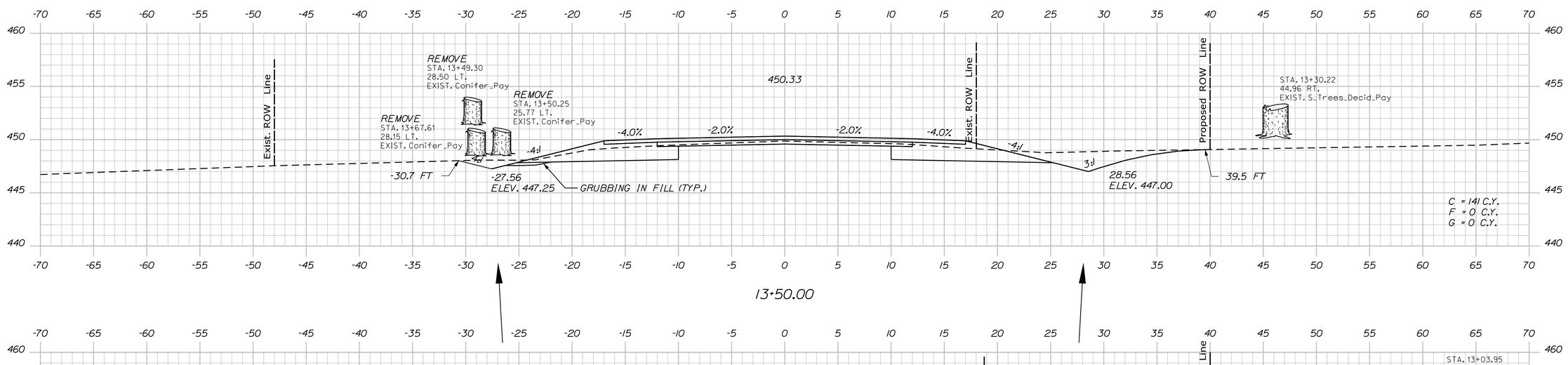
CROSS SECTIONS

SHEET NUMBER

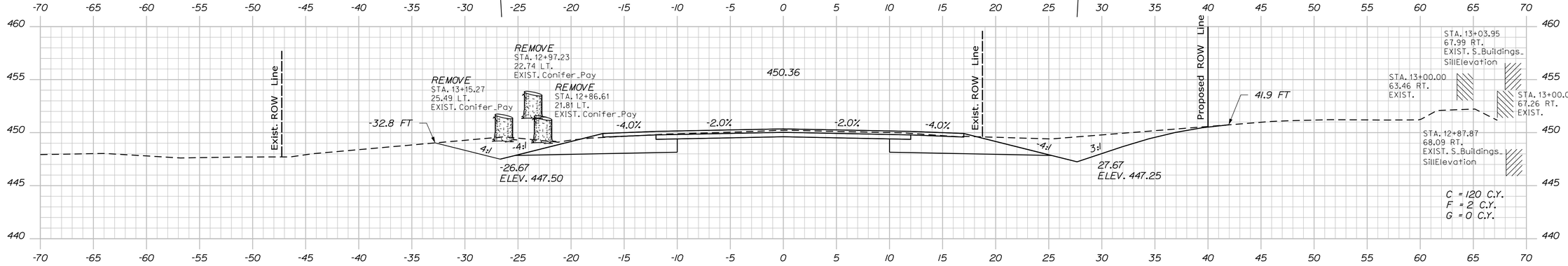
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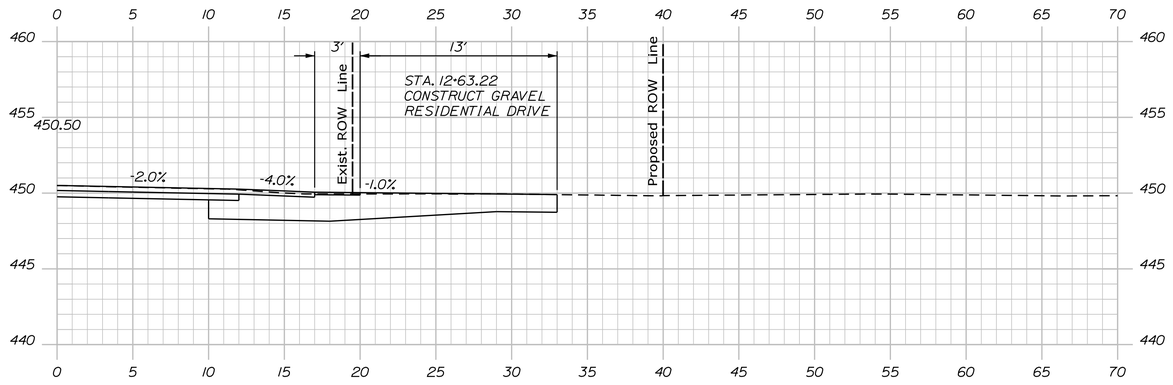
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13+50.00



13+00.00



12+63.22 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

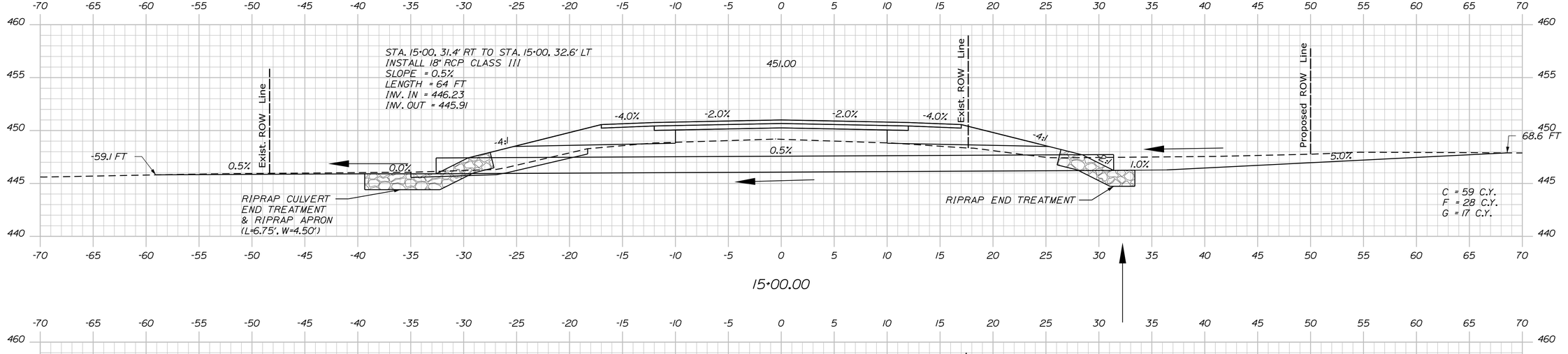
82

OF 364

Sta. 12+63.22 to Sta. 13+50.00

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Filename: ...\MSTA\083_XSECT_14+00.dgn Username: mdebowski
Division: HIGHWAY Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

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OF 364

Sta. 14+00.00 to Sta. 15+00.00

Sta. 15+50.00 to Sta. 16+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

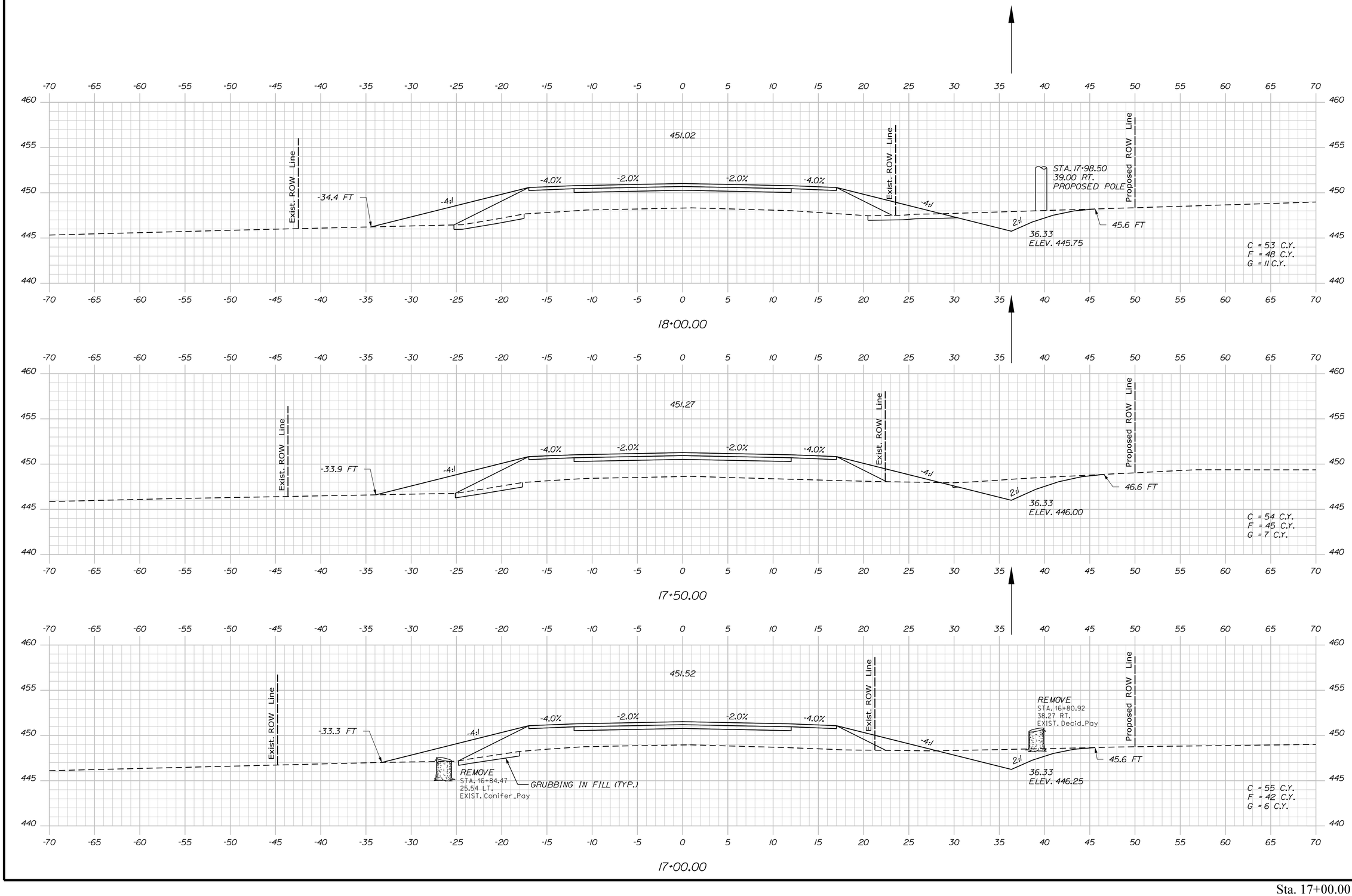
CROSS SECTIONS

SHEET NUMBER

84

OF 364

Filename: ...\MSTA\084_XSECT_15+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
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FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

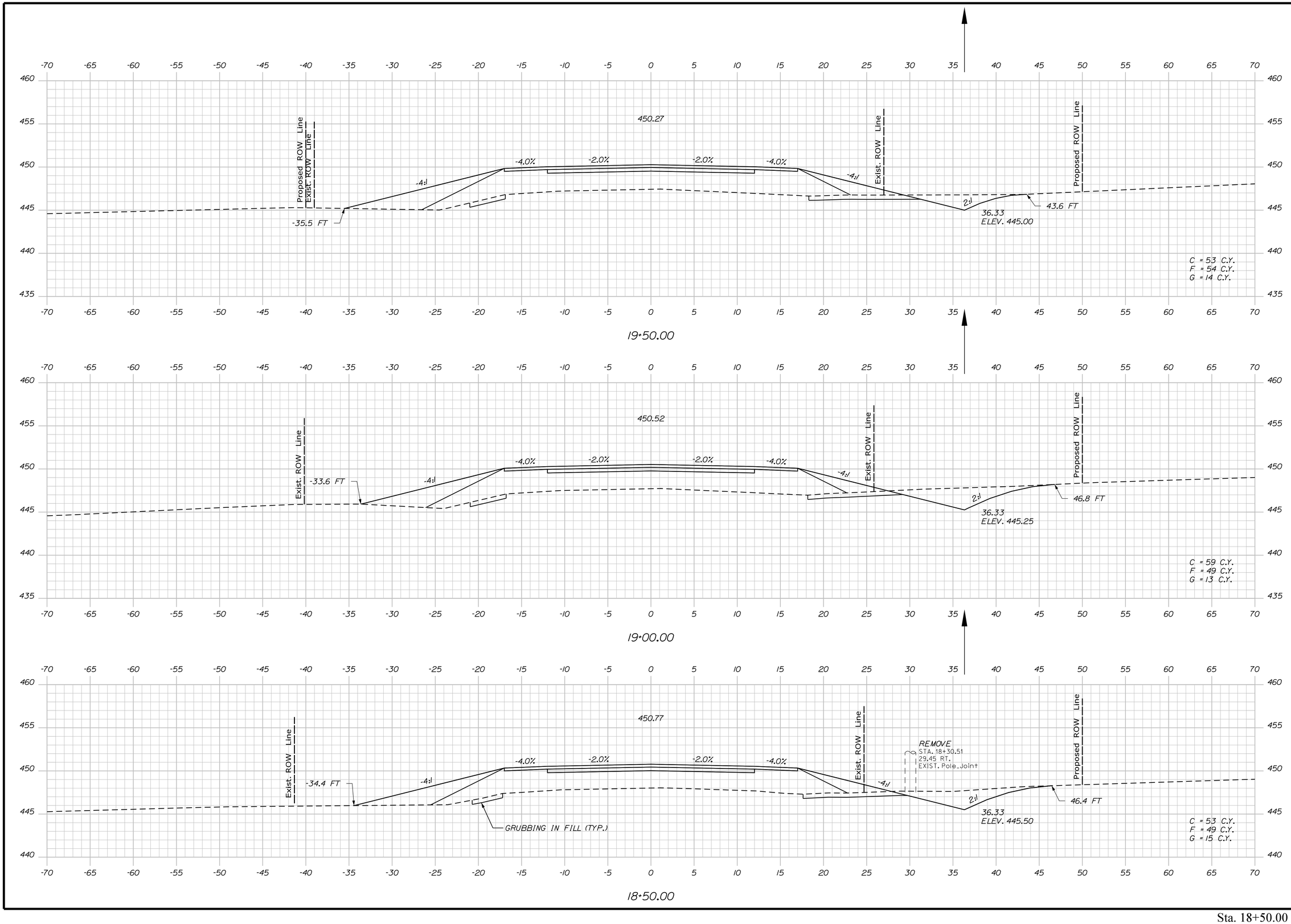
SHEET NUMBER

85

OF 364

Sta. 17+00.00 to Sta. 18+00.00

Filename: ...\MSTA\085_XSECT_17+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

86

OF 364

Sta. 18+50.00 to Sta. 19+50.00

Filename: ...\MSTA\086_XSECT_18+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
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REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

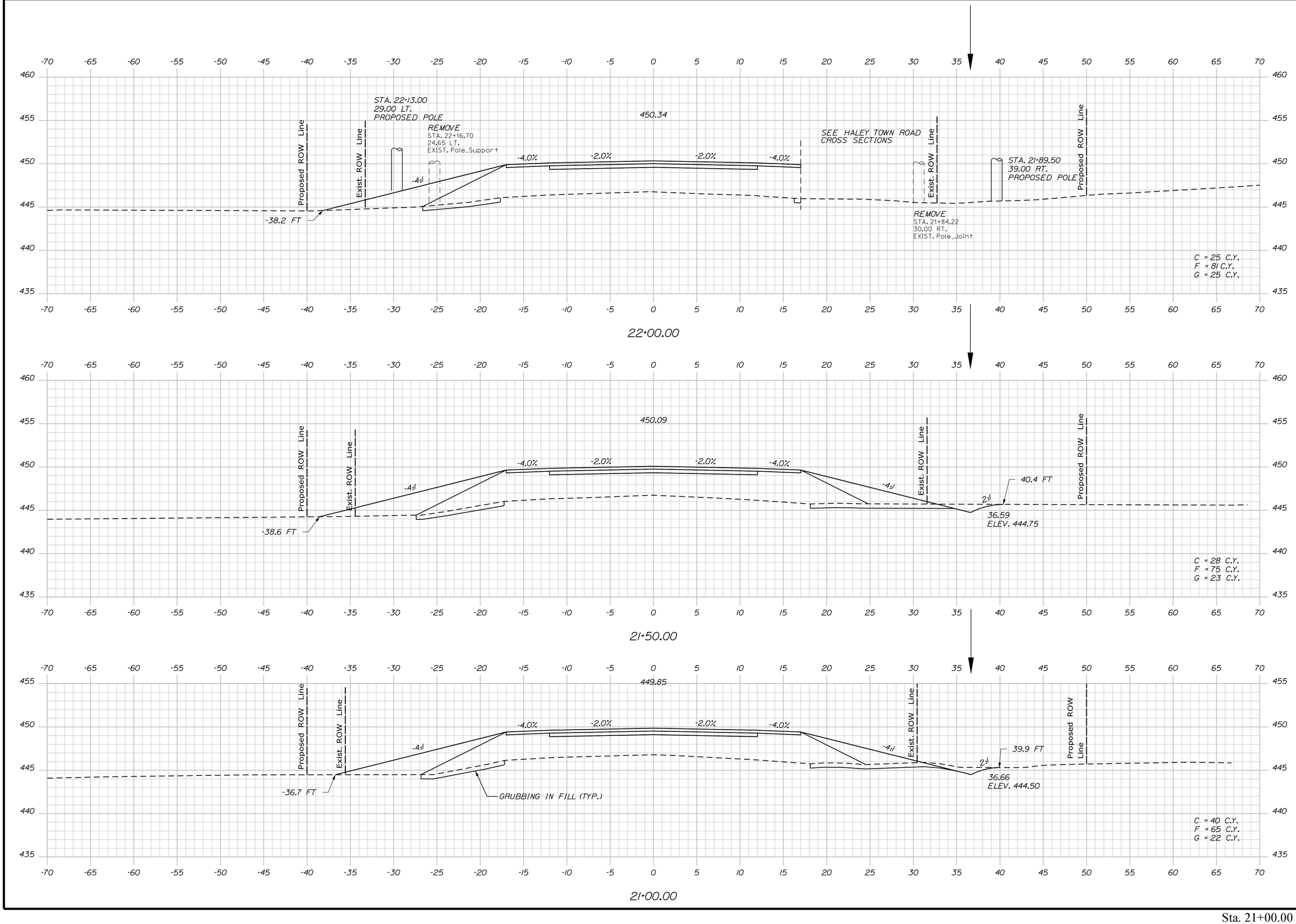
SHEET NUMBER

87

OF 364

Sta. 20+00.00 to Sta. 20+64.79

Filename: ...\MSTA\087_XSECT_20-00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



Sta. 21+00.00 to Sta. 22+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

88

OF 364

Filename: ...\MSTA\088_XSECT_21+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

89

OF 364

Sta. 22+50.00 to Sta. 23+50.00

Filename: ...\MSTA\089_XSECT_22+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

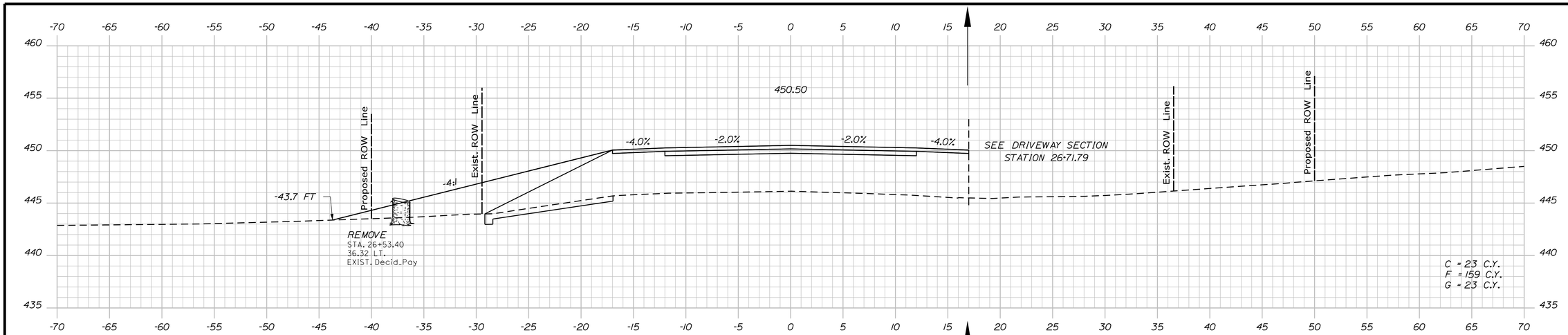
SHEET NUMBER

90

OF 364

Sta. 24+00.00 to Sta. 25+00.00

Filename: ...\MSTA\090_XSECT_24+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

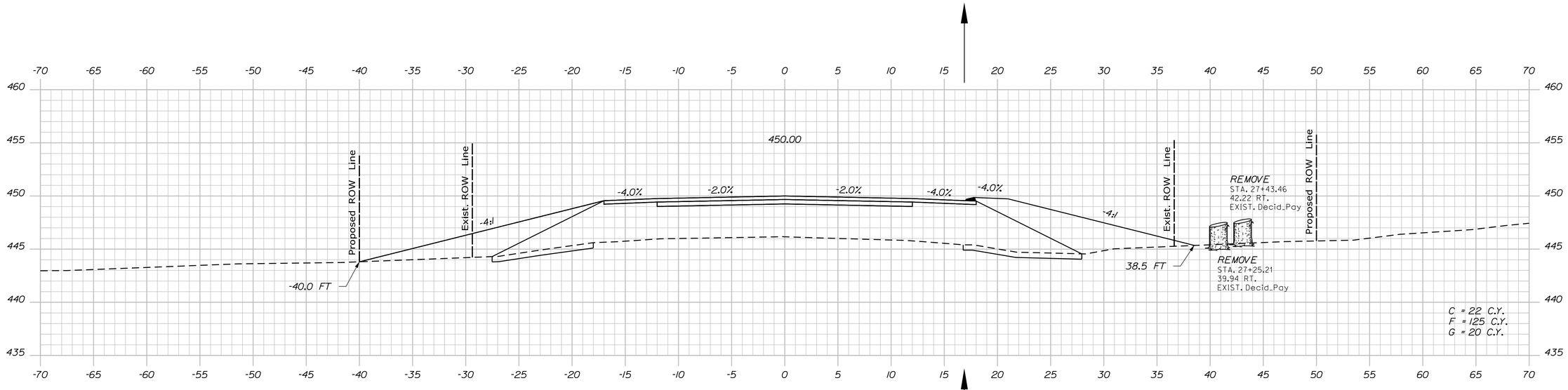
91

OF 364

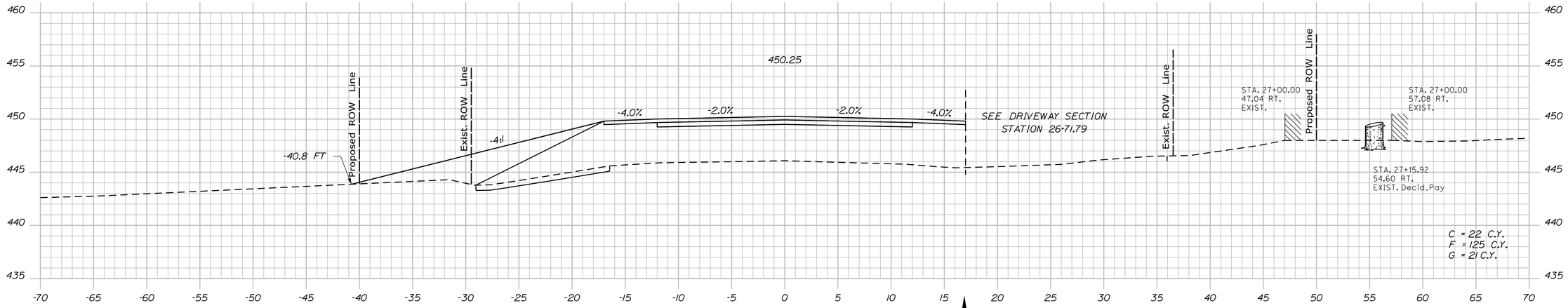
Sta. 25+50.00 to Sta. 26+50.00

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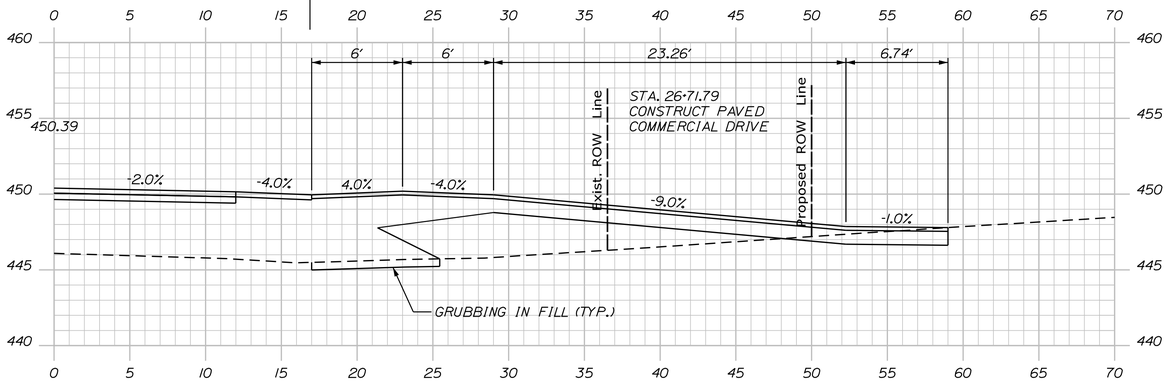
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27+50.00



27+00.00



26+71.79 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

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FRYEBURG
US ROUTE 302

CROSS SECTIONS

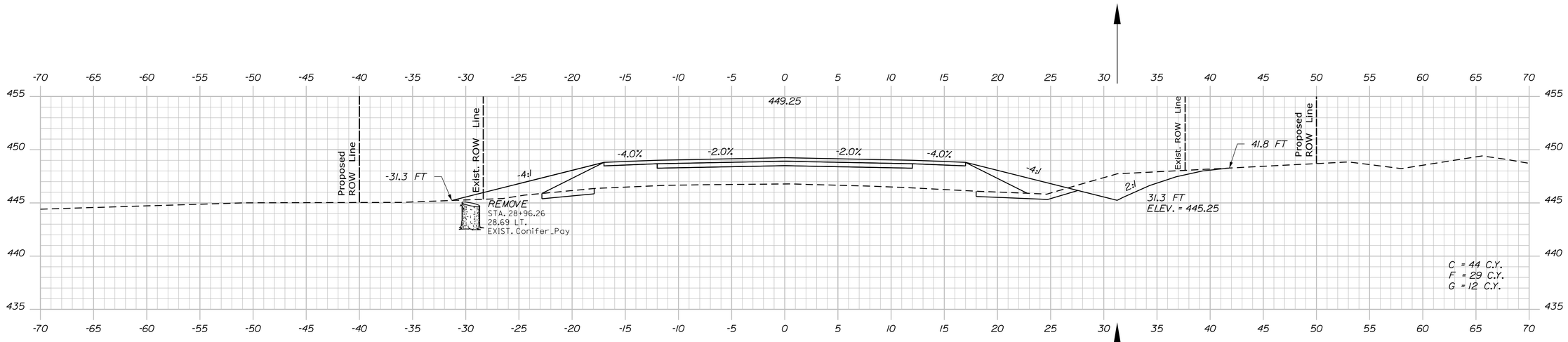
SHEET NUMBER

92

OF 364

Sta. 26+71.79 to Sta. 27+50.00

Filename: ...\MSTA\093_XSECT_28+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
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REVISIONS 1		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

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FRYEBURG
US ROUTE 302

CROSS SECTIONS

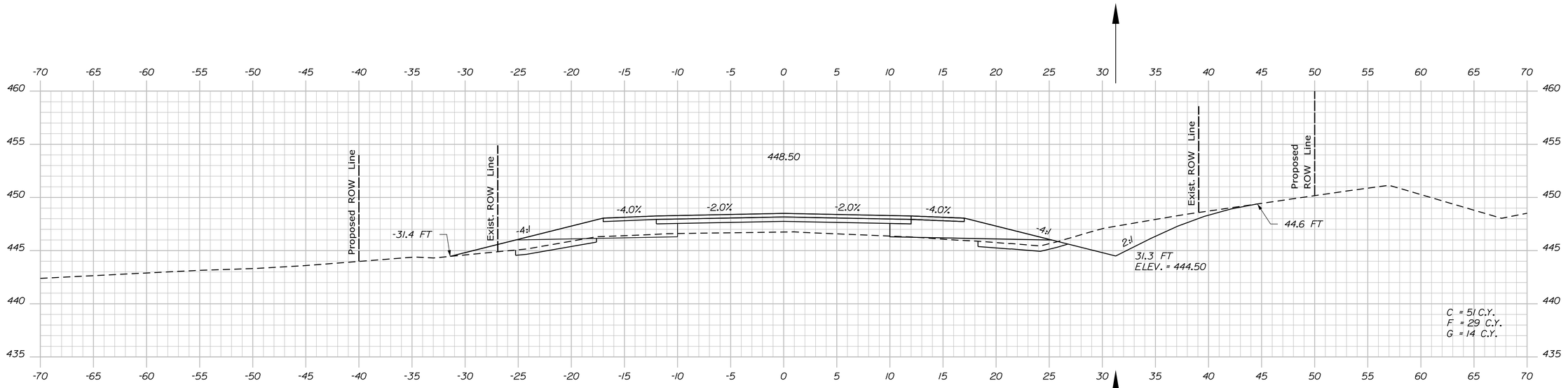
SHEET NUMBER

93

OF 364

Sta. 28+00.00 to Sta. 29+00.00

Filename: ...\MSTA\094_XSECT_29+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

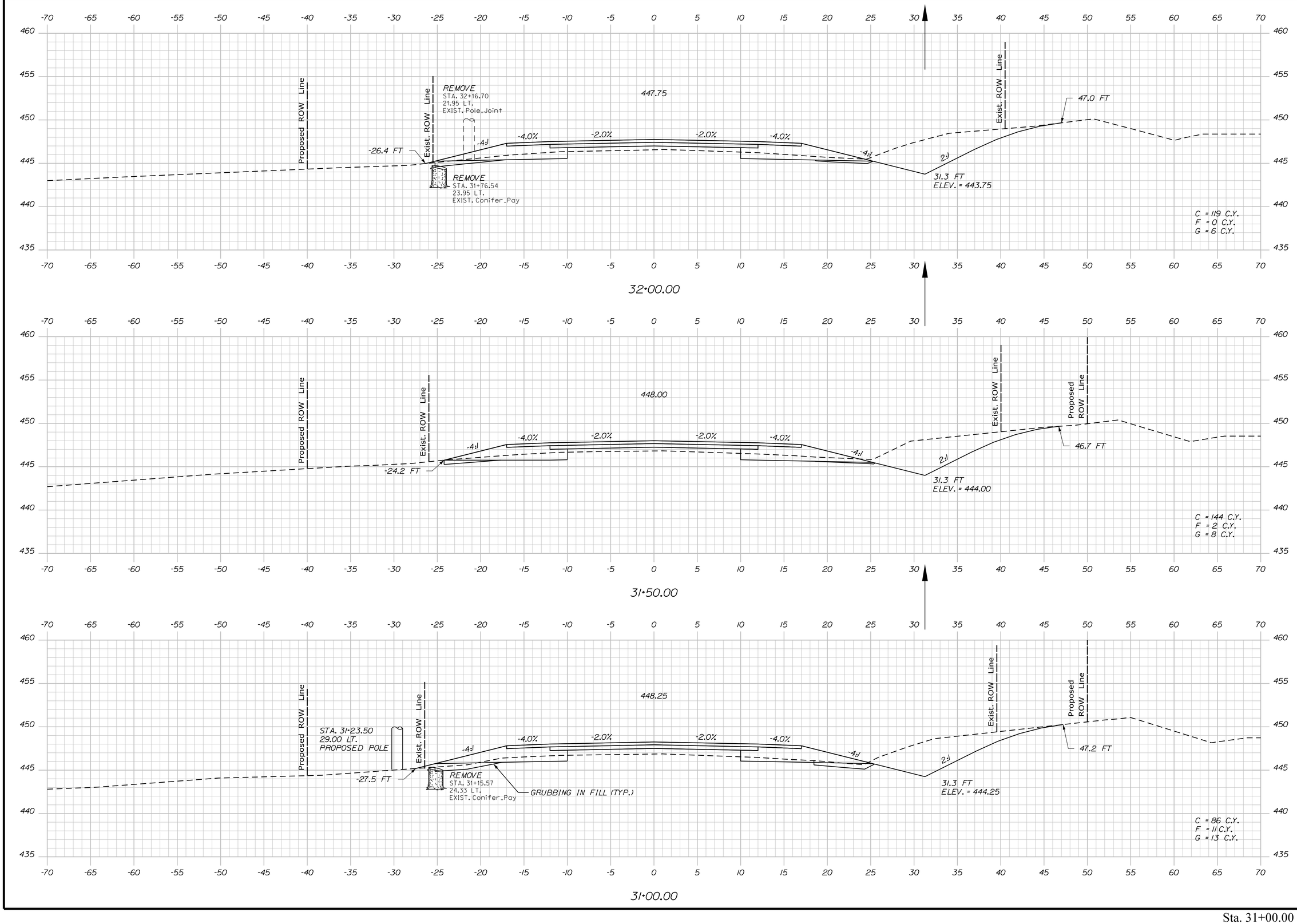
CROSS SECTIONS

SHEET NUMBER

94

OF 364

Sta. 29+50.00 to Sta. 30+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
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FIELD CHANGES		

SIGNATURE

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FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

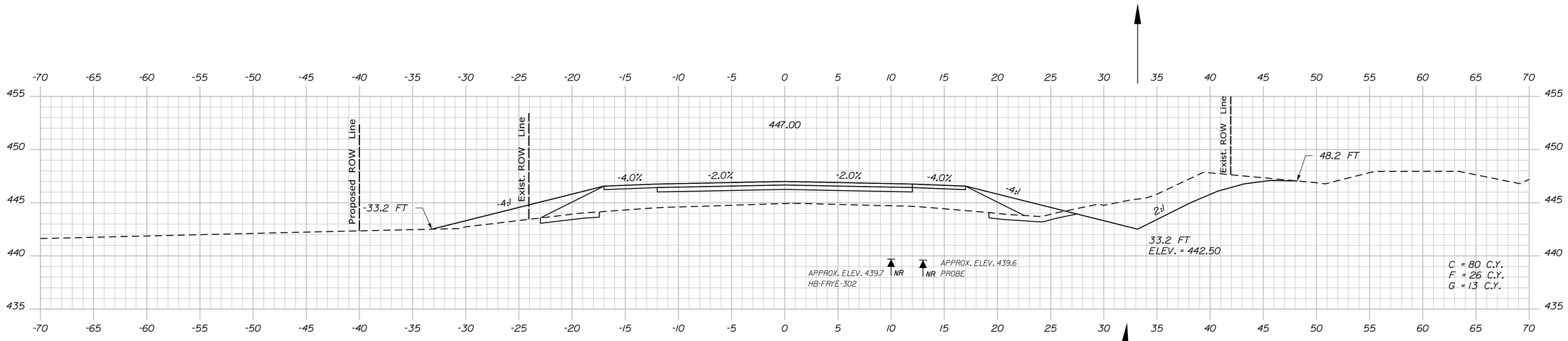
95

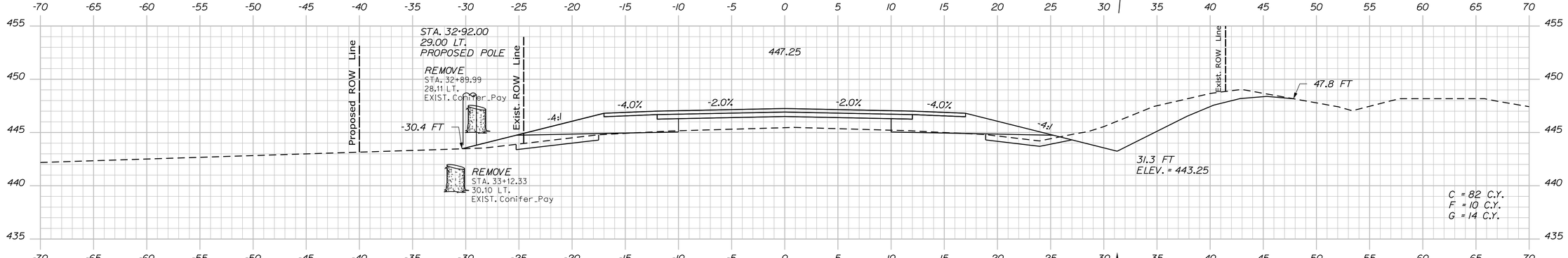
OF 364

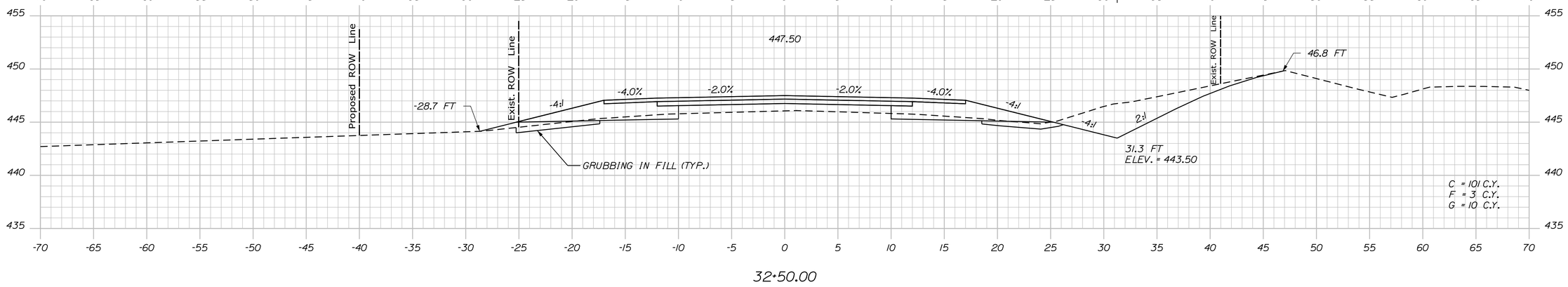
Filename: ...\MSTA\095_XSECT_31+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 31+00.00 to Sta. 32+00.00

Filename: ...\MSTA\096_XSECT_32-50.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

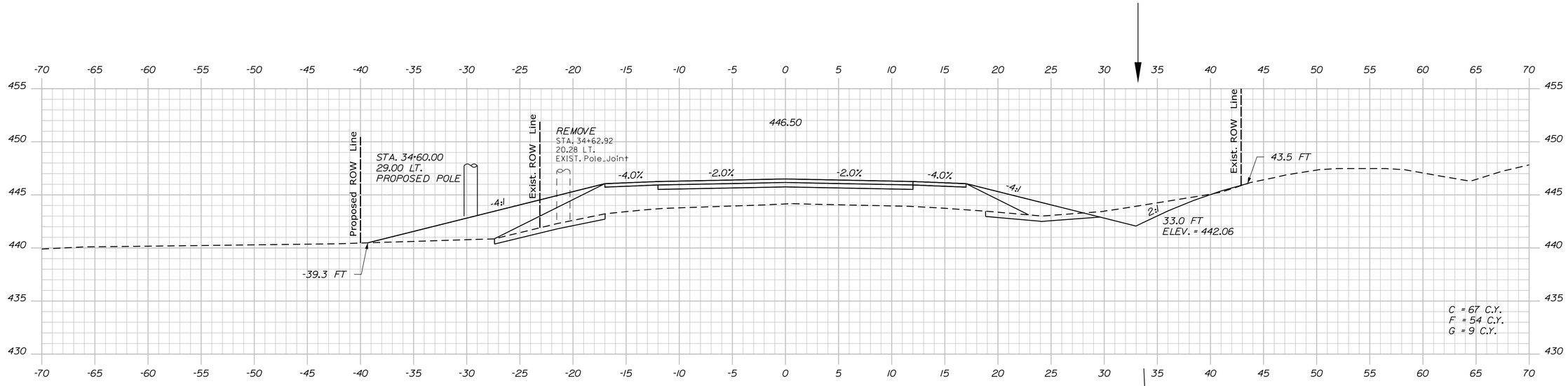
CROSS SECTIONS

SHEET NUMBER

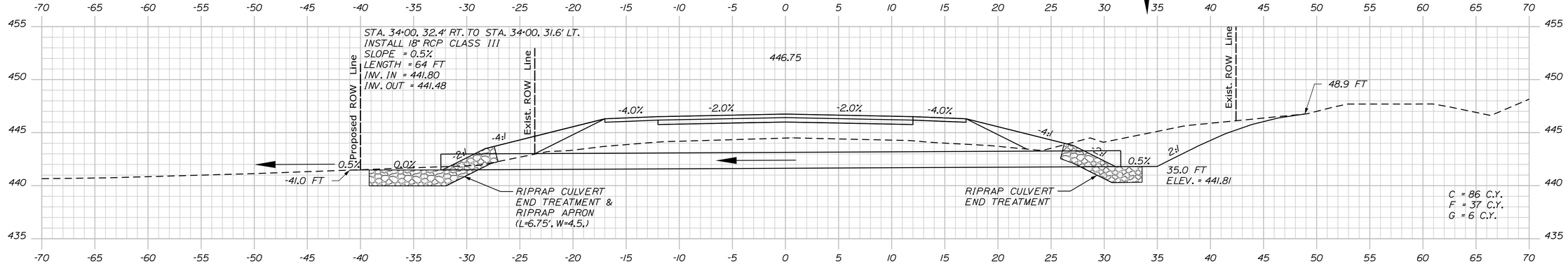
96

OF 364

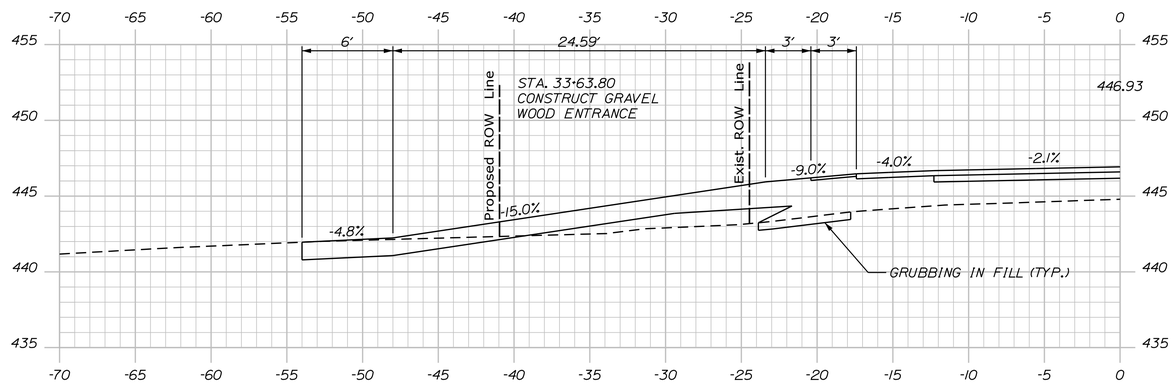
Sta. 32+50.00 to Sta. 33+50.00



34+50.00



34+00.00



33+63.80 (SKEWED ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

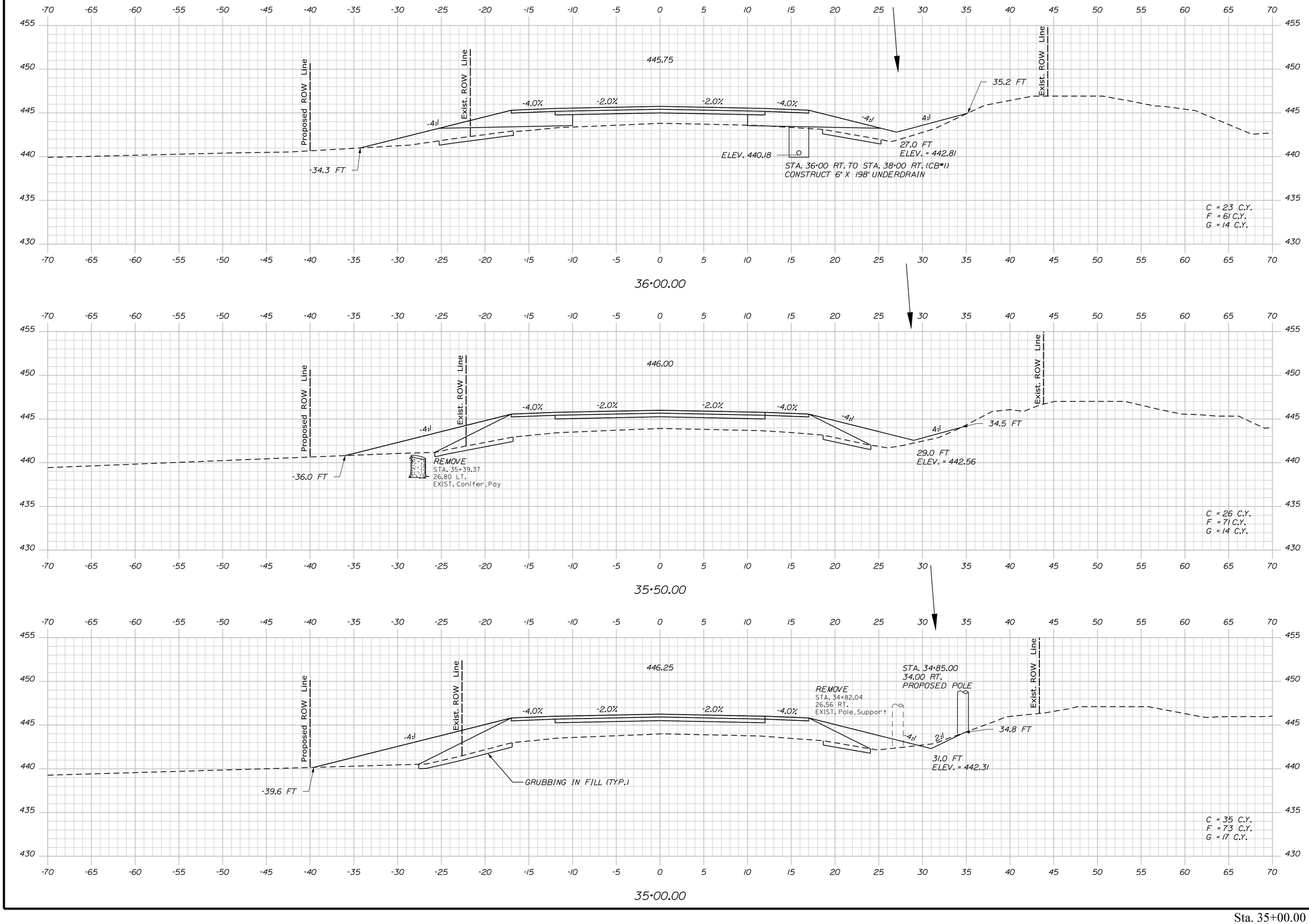
SHEET NUMBER

97

OF 364

Filename: ...\MSTA\097_XSECT_33+63.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 33+63.80 to Sta. 34+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

FRYEBURG
US ROUTE 302

CROSS SECTIONS

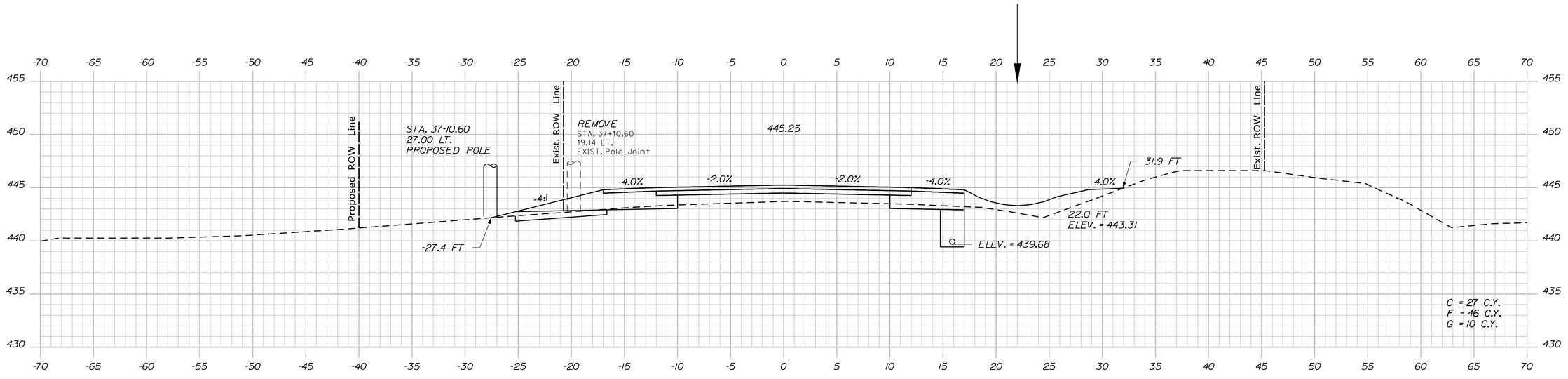
SHEET NUMBER

98

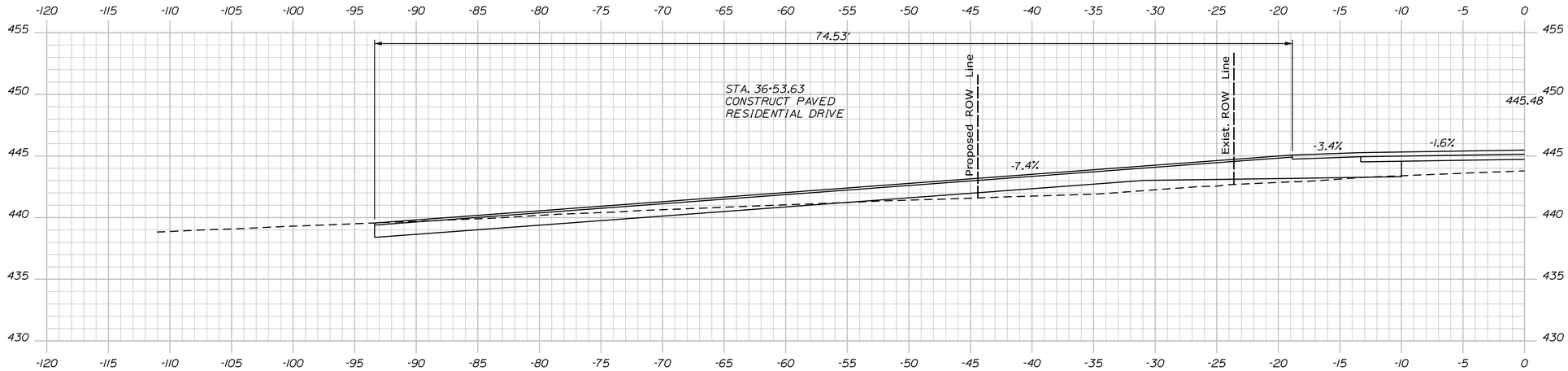
OF 364

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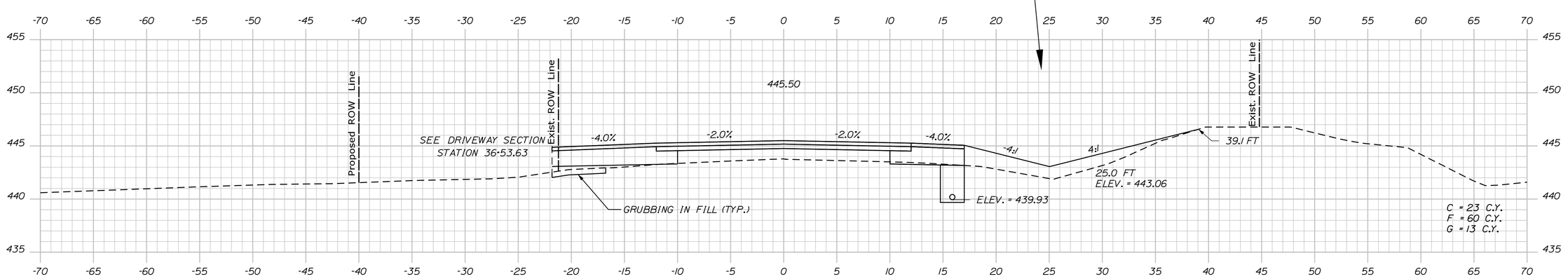
Sta. 35+00.00 to Sta. 36+00.00



37+00.00



36+53.63 (SKEWED ALONG DRIVEWAY CENTERLINE)



36+50.00

Sta. 36+50.00 to Sta. 37+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

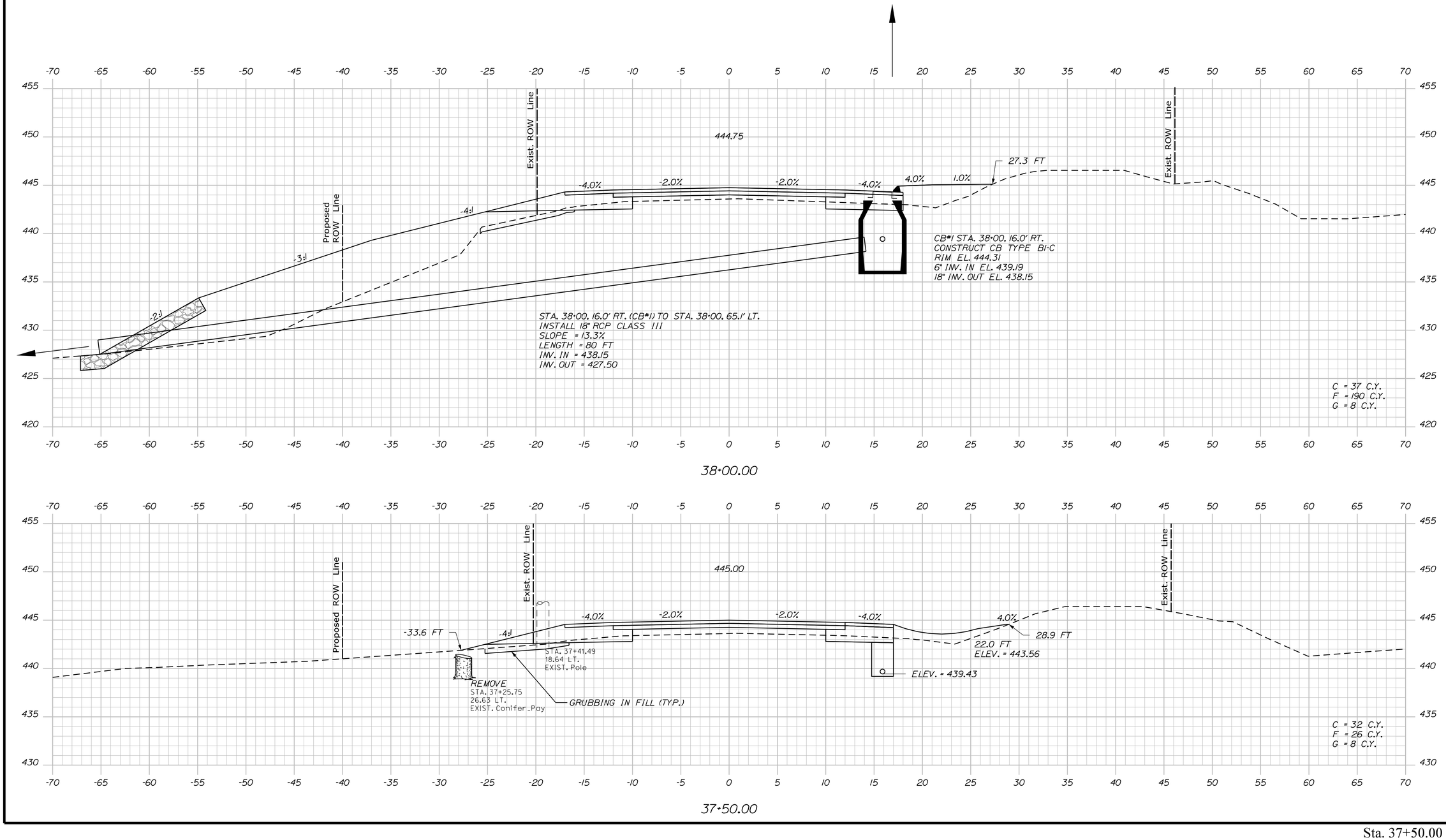
SHEET NUMBER

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OF 364

Filename: ...\MSTA\099_XSECT_36+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\100_XSECT_37+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	------
DESIGN-DETAILED	M. DEBOWSKI	------
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

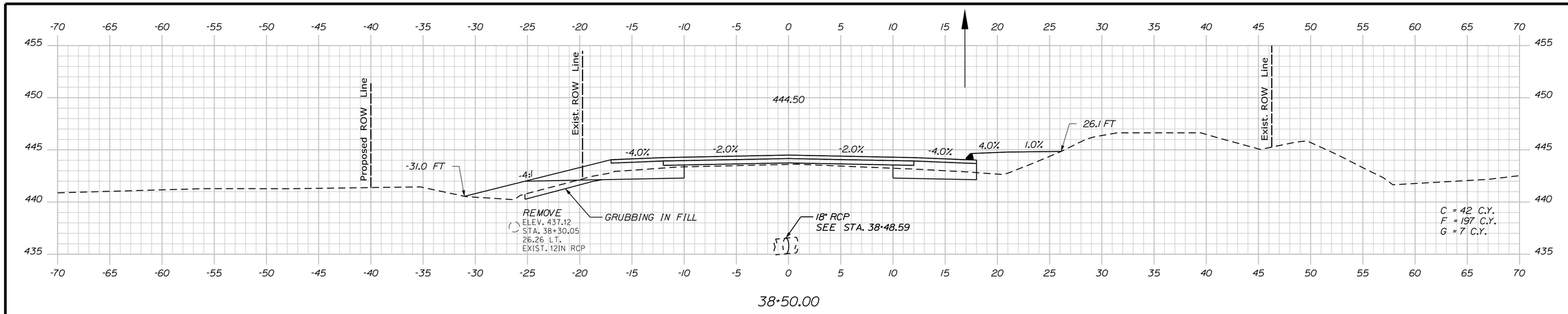
CROSS SECTIONS

SHEET NUMBER

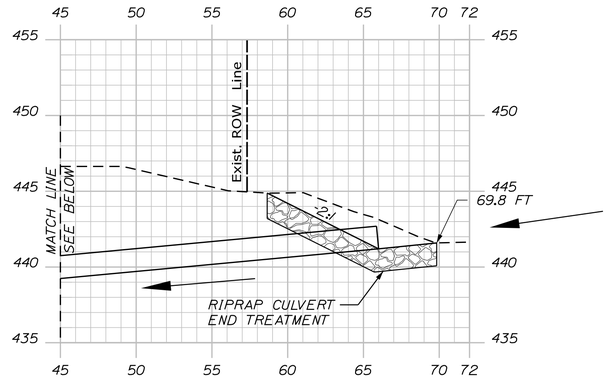
100

OF 364

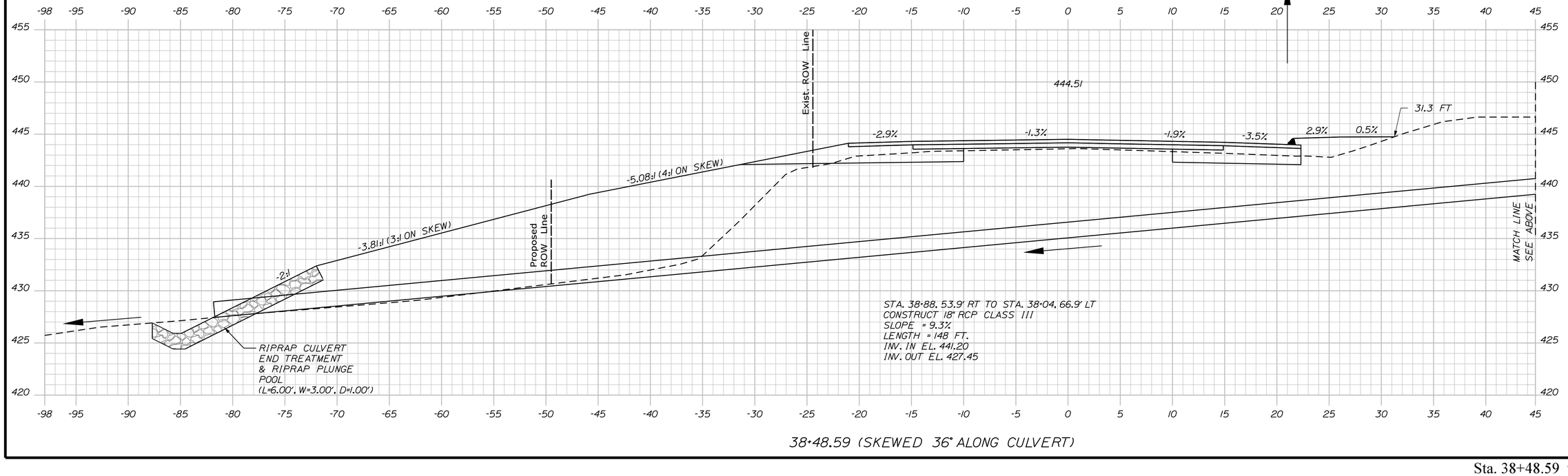
Sta. 37+50.00 to Sta. 38+00.00



38+50.00



38+48.59 (SKEWED 36° 08' 11.43" ALONG CULVERT)



38+48.59 (SKEWED 36° ALONG CULVERT)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

		BY	DATE	SIGNATURE
PROJ. MANAGER	R. CARRELL			
DESIGN-DETAILED	M. DEBOWSKI			P.E. NUMBER
CHECKED-REVIEWED				
DESIGN2-DETAILED2				DATE
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

FRYEBURG
US ROUTE 302

CROSS SECTIONS

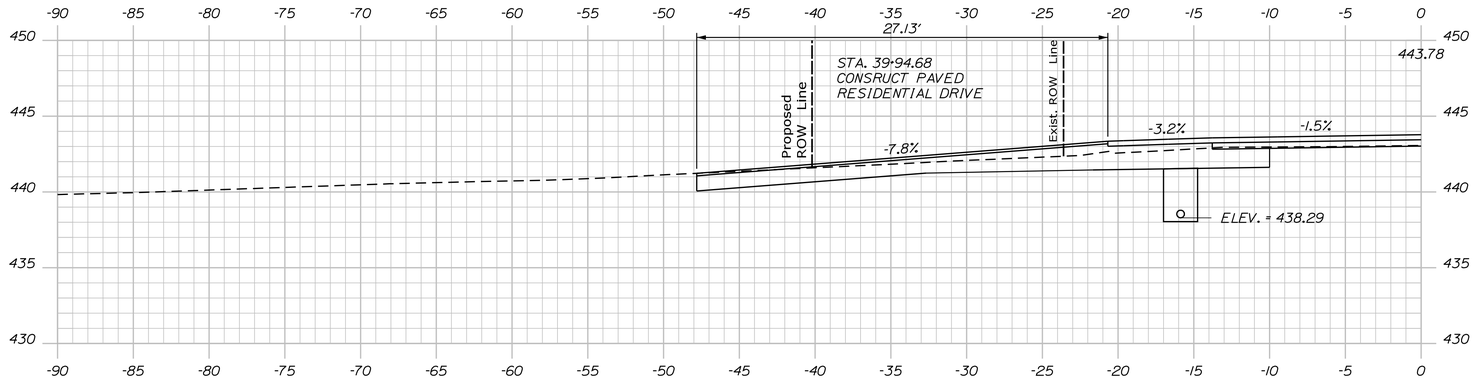
SHEET NUMBER

101

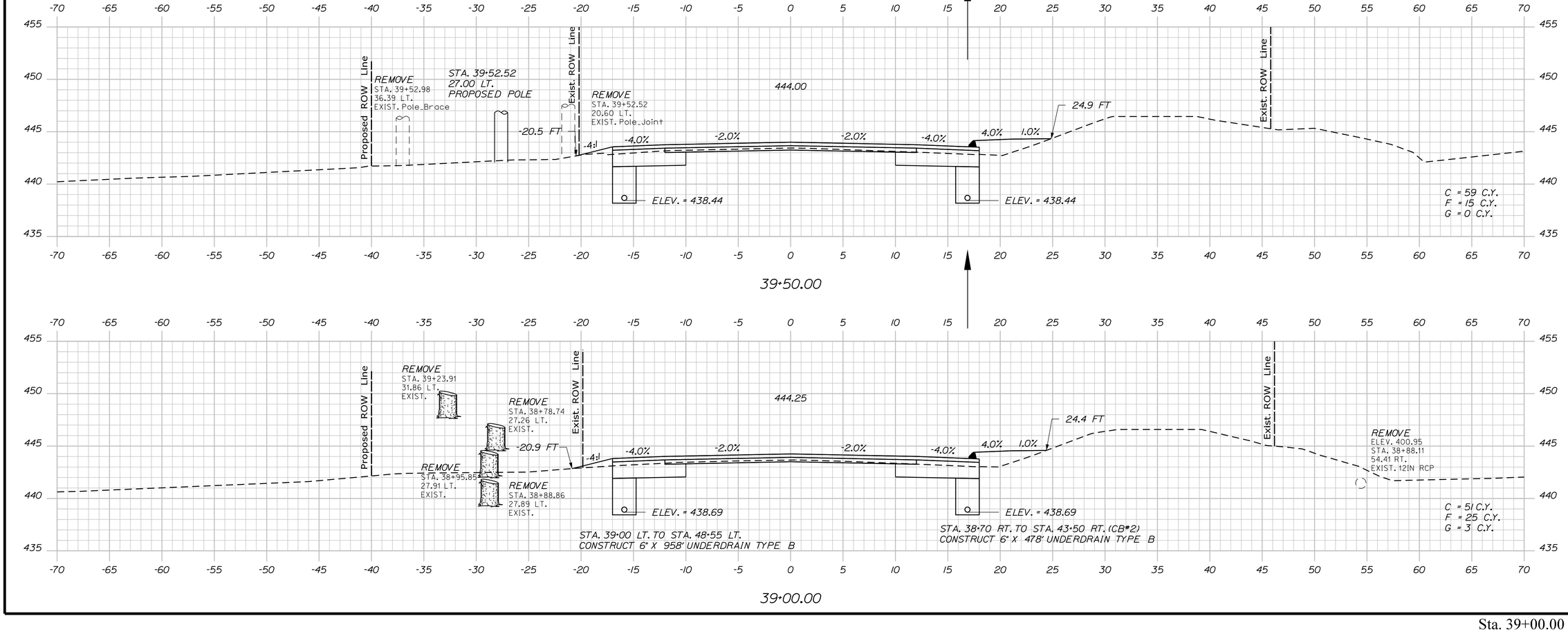
OF 364

Filename: ...\MSTA\101_XSECT_38+48.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 38+48.59 to Sta. 38+50.00



39+94.68 (SKEWED ALONG DRIVEWAY CENTERLINE)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

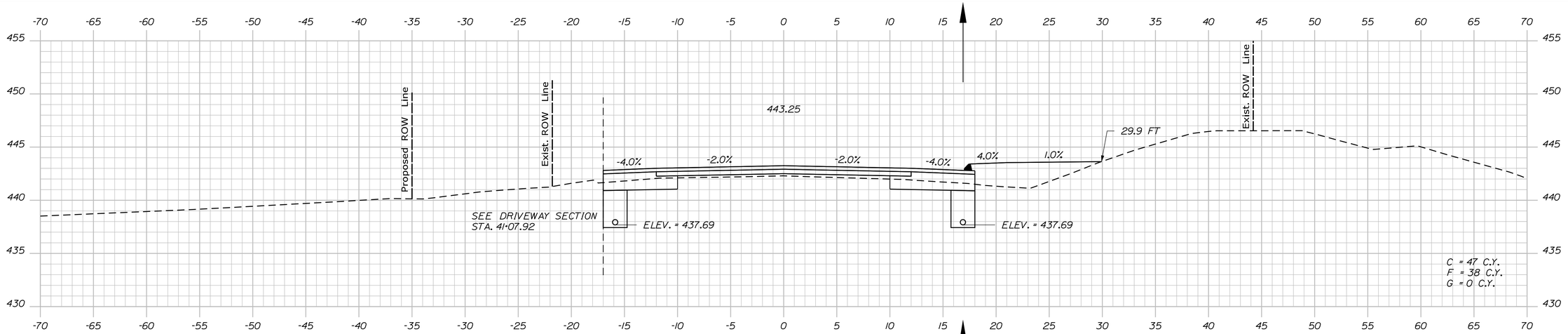
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102

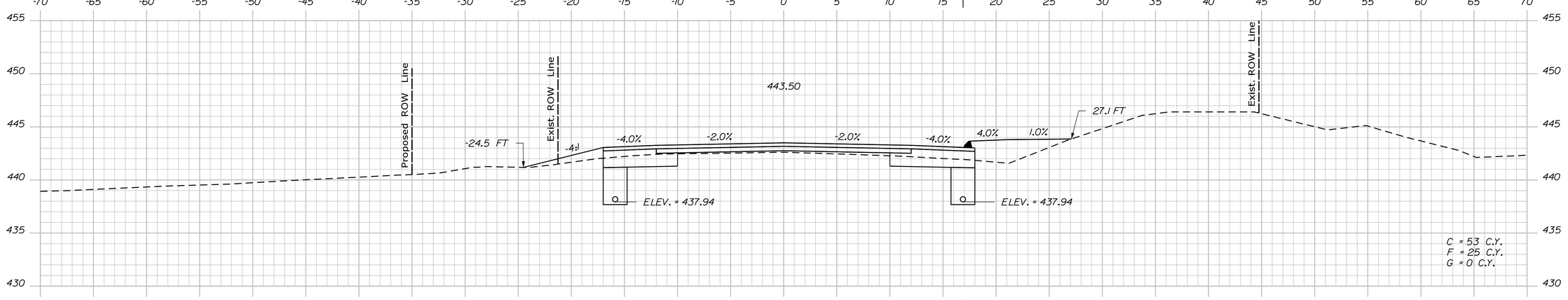
OF 364

Sta. 39+00.00 to Sta. 39+94.68

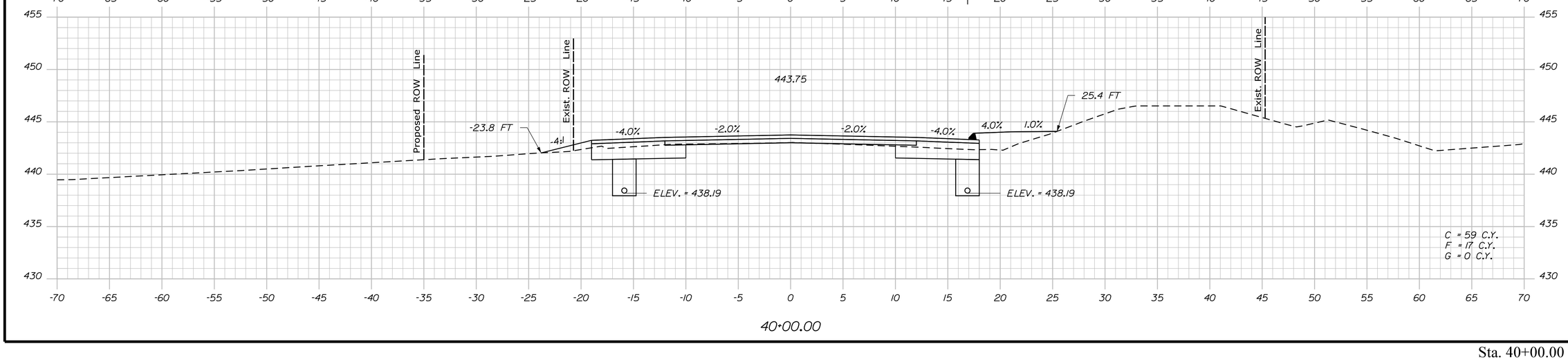
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41+00.00



40+50.00



40+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

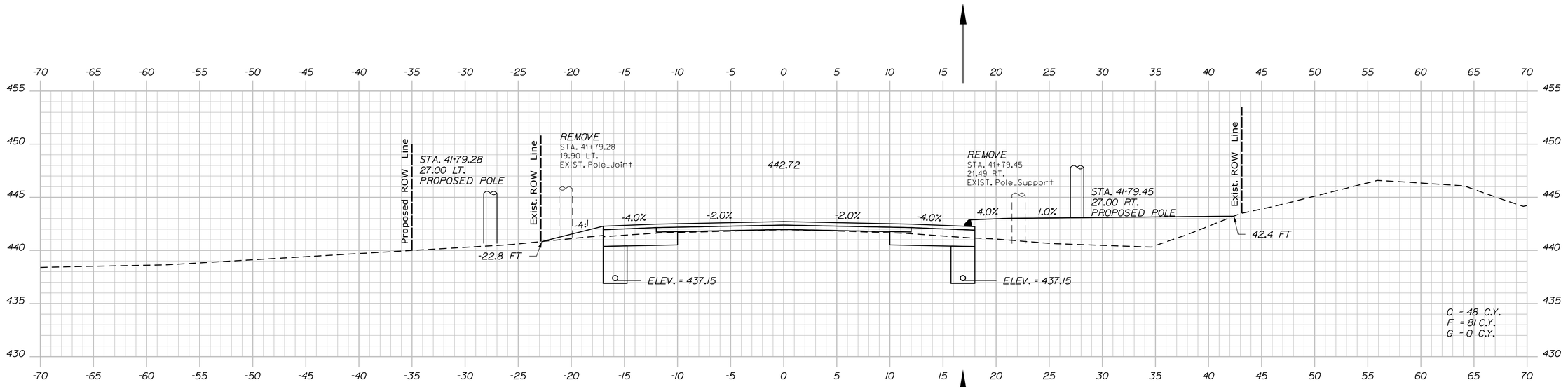
SHEET NUMBER

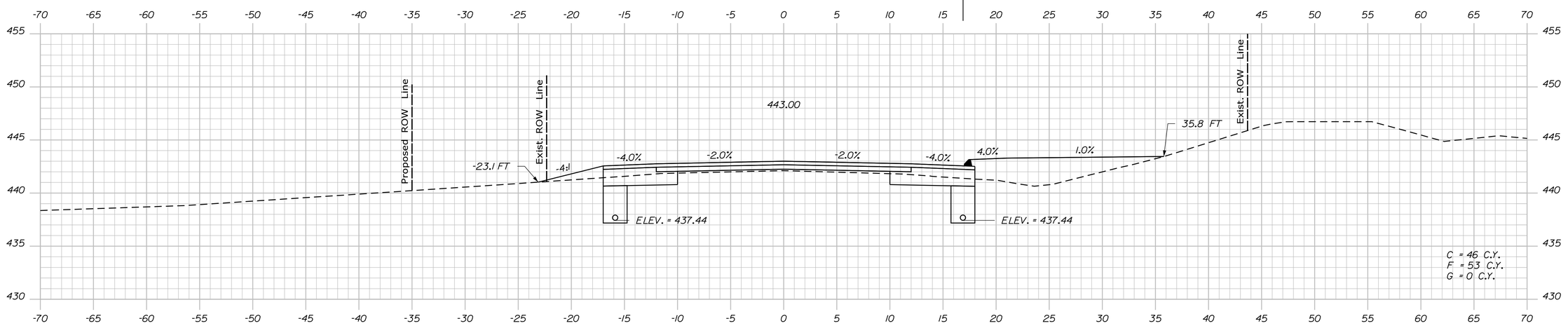
103

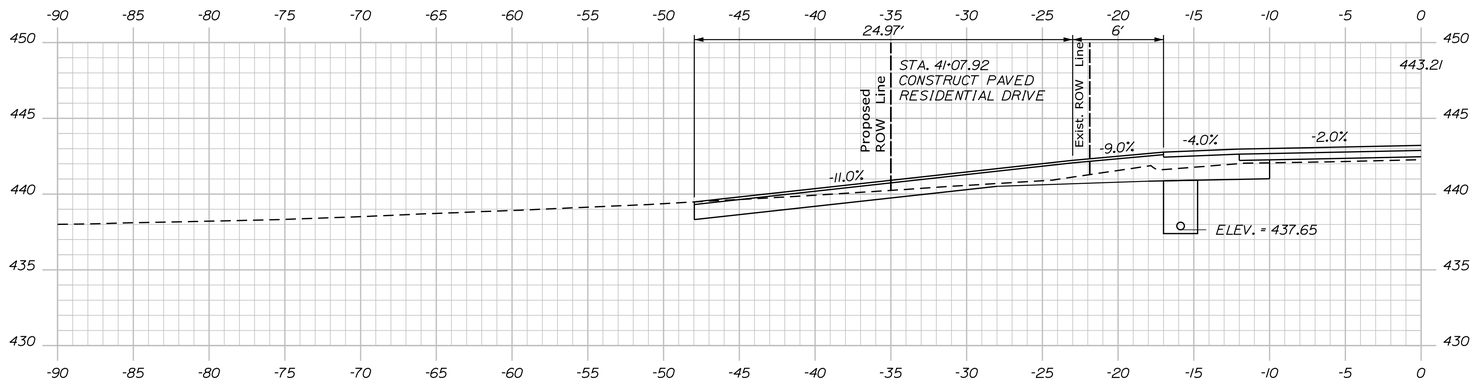
OF 364

Sta. 40+00.00 to Sta. 41+00.00

Filename: ...\MSTA\103_XSECT_40+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

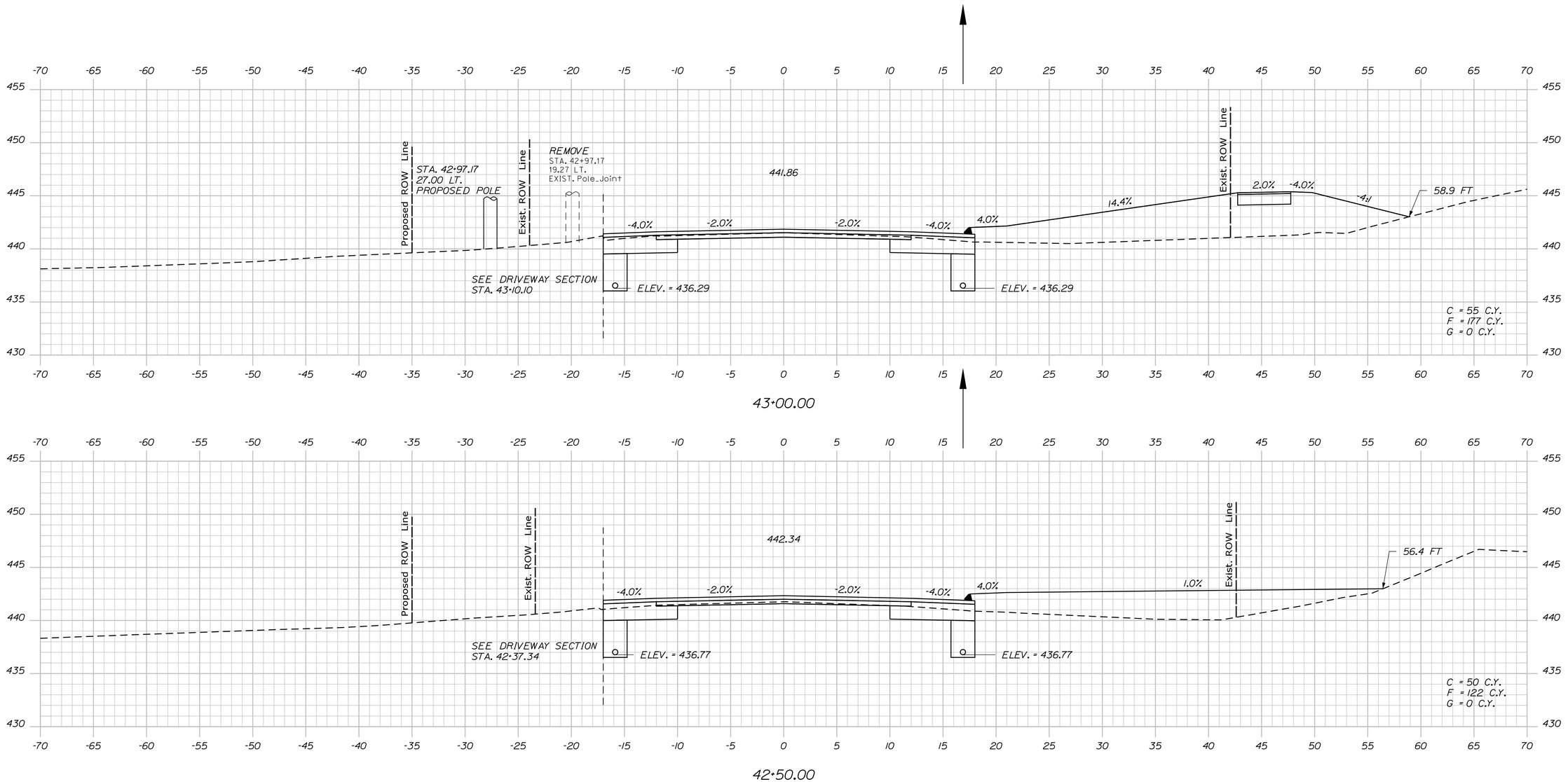
SHEET NUMBER

104

OF 364

Sta. 41+07.92 to Sta. 42+00.00

Filename: ...\MSTA\104_XSECT_41+07.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	R. CARRELL	M. DEBOWSKI			
PROJ. MANAGER					
DESIGN-DETAILED					
CHECKED-REVIEWED					
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
	BY		DATE		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

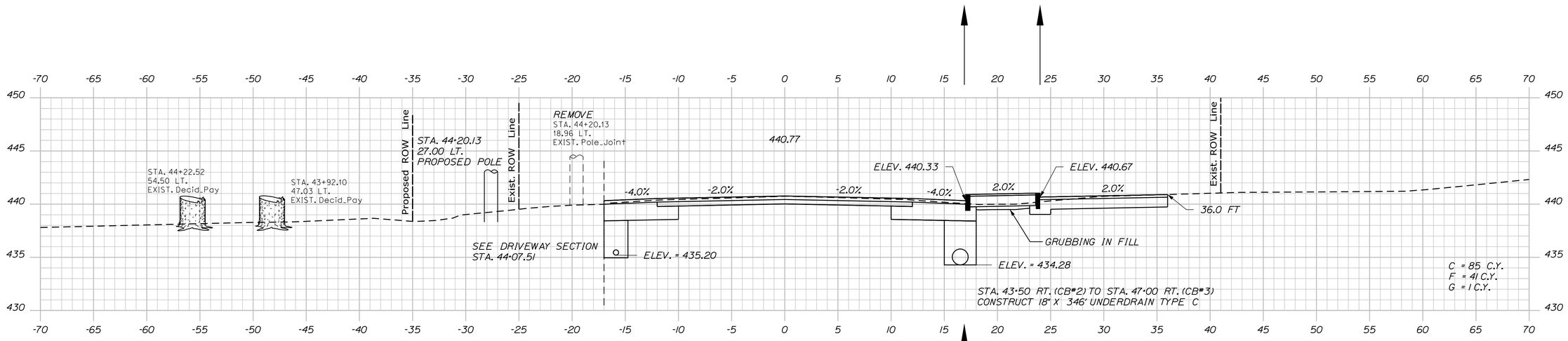
SHEET NUMBER

105

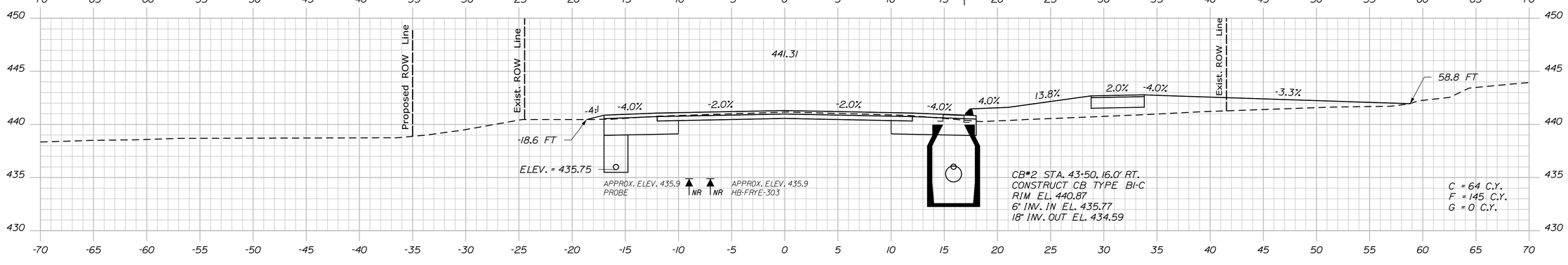
OF 364

Sta. 42+37.34 to Sta. 43+00.00

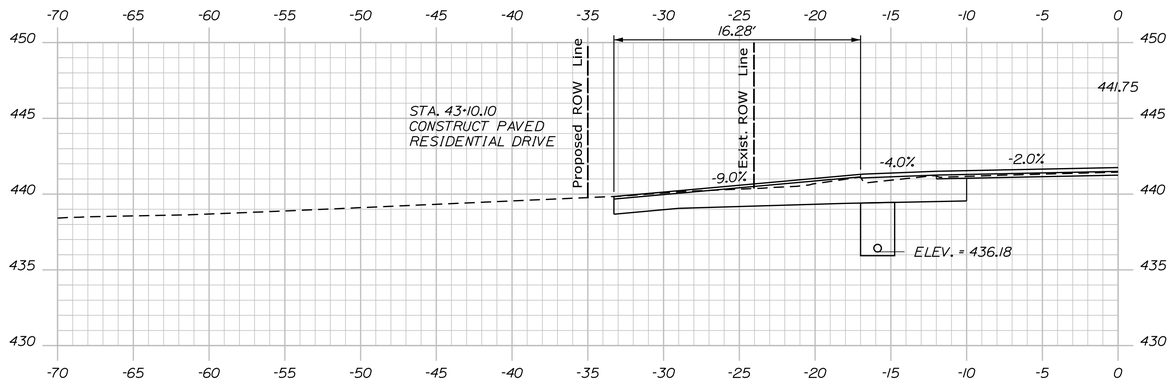
Filename: ...\MSTA\105_XSECT_42+37.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



44+00.00



43+50.00



43+10.10 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	----
DESIGN-DETAILED	M. DEBOWSKI	----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

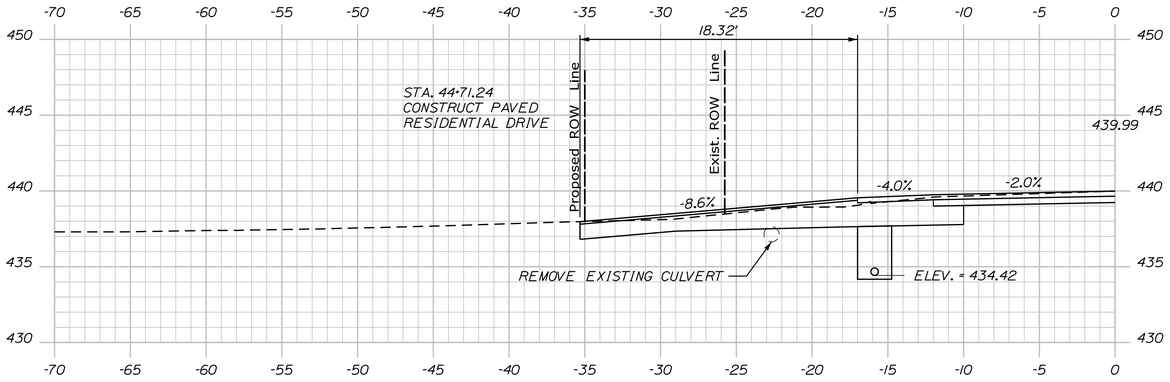
SHEET NUMBER

106

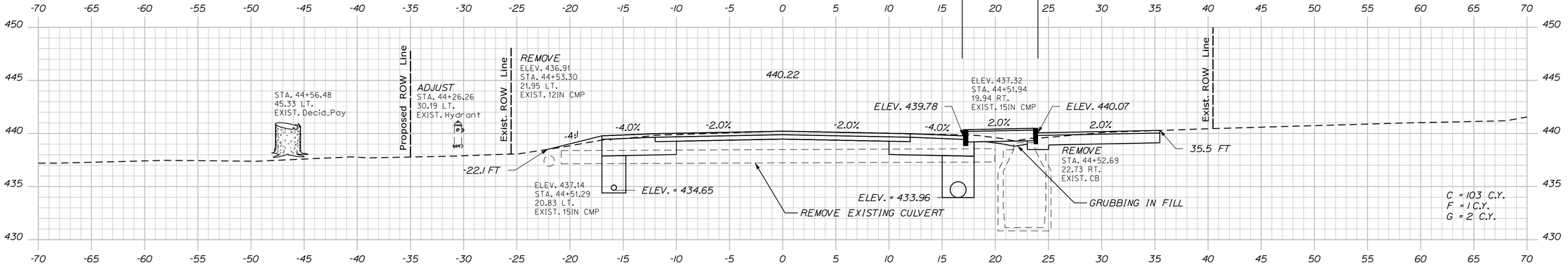
OF 364

Sta. 43+10.10 to Sta. 44+00.00

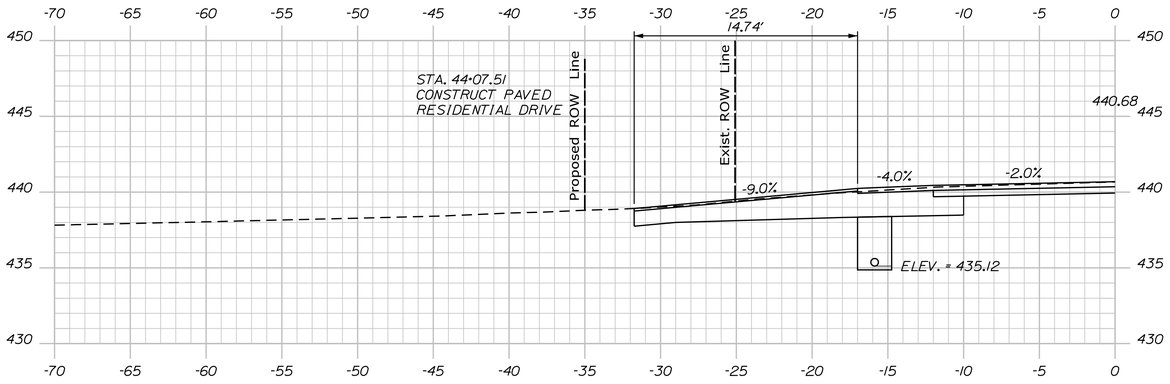
Filename: ...\MSTA\106_XSECT_43+10.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



44+71.24 (ALONG DRIVEWAY CENTERLINE)



44+50.00



44+07.51 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

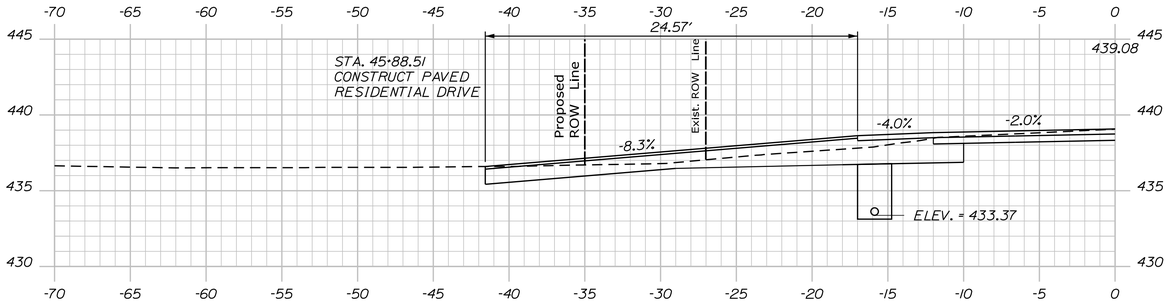
SHEET NUMBER

107

OF 364

Sta. 44+07.51 to Sta. 44+71.24

Filename: ...\MSTA\107_XSECT_44+07.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	-----
DESIGN-DETAILED	M. DEBOWSKI	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

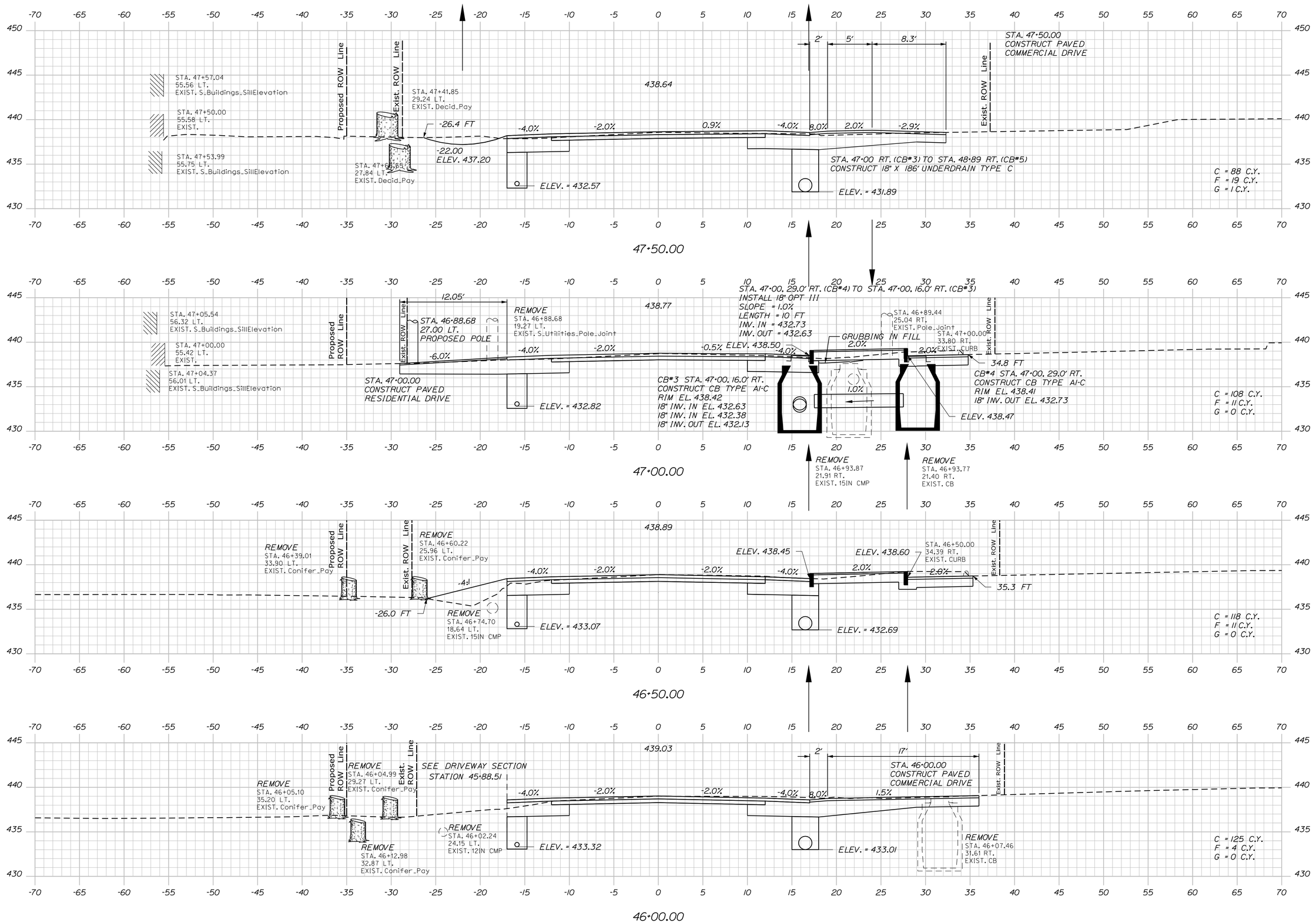
SHEET NUMBER

108

OF 364

Sta. 45+00.00 to Sta. 45+88.51

Filename: ...\MSTA\108_XSECT_45-00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

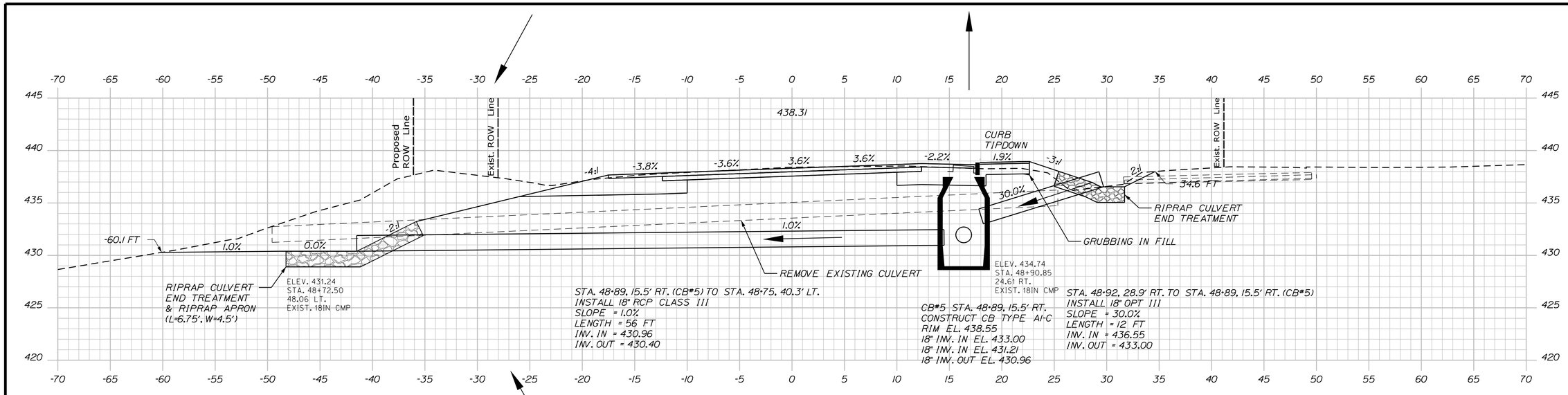
109

OF 364

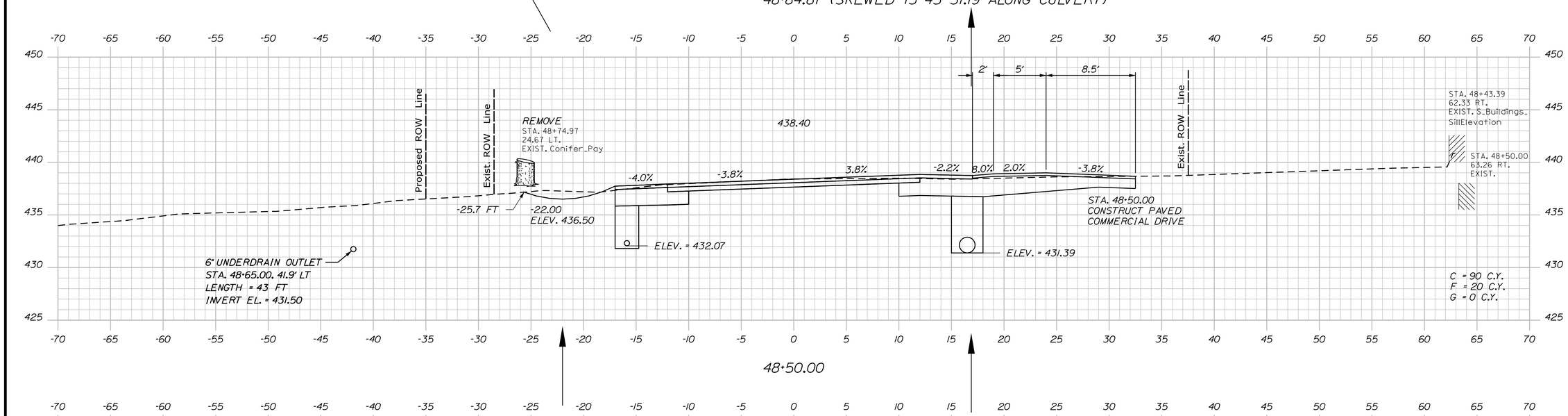
Sta. 46+00.00 to Sta. 47+50.00

Filename: ...\MSTA\109_XSECT_46+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\110_XSECT_48+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



48+84.87 (SKEWED 13° 45' 31.19" ALONG CULVERT)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

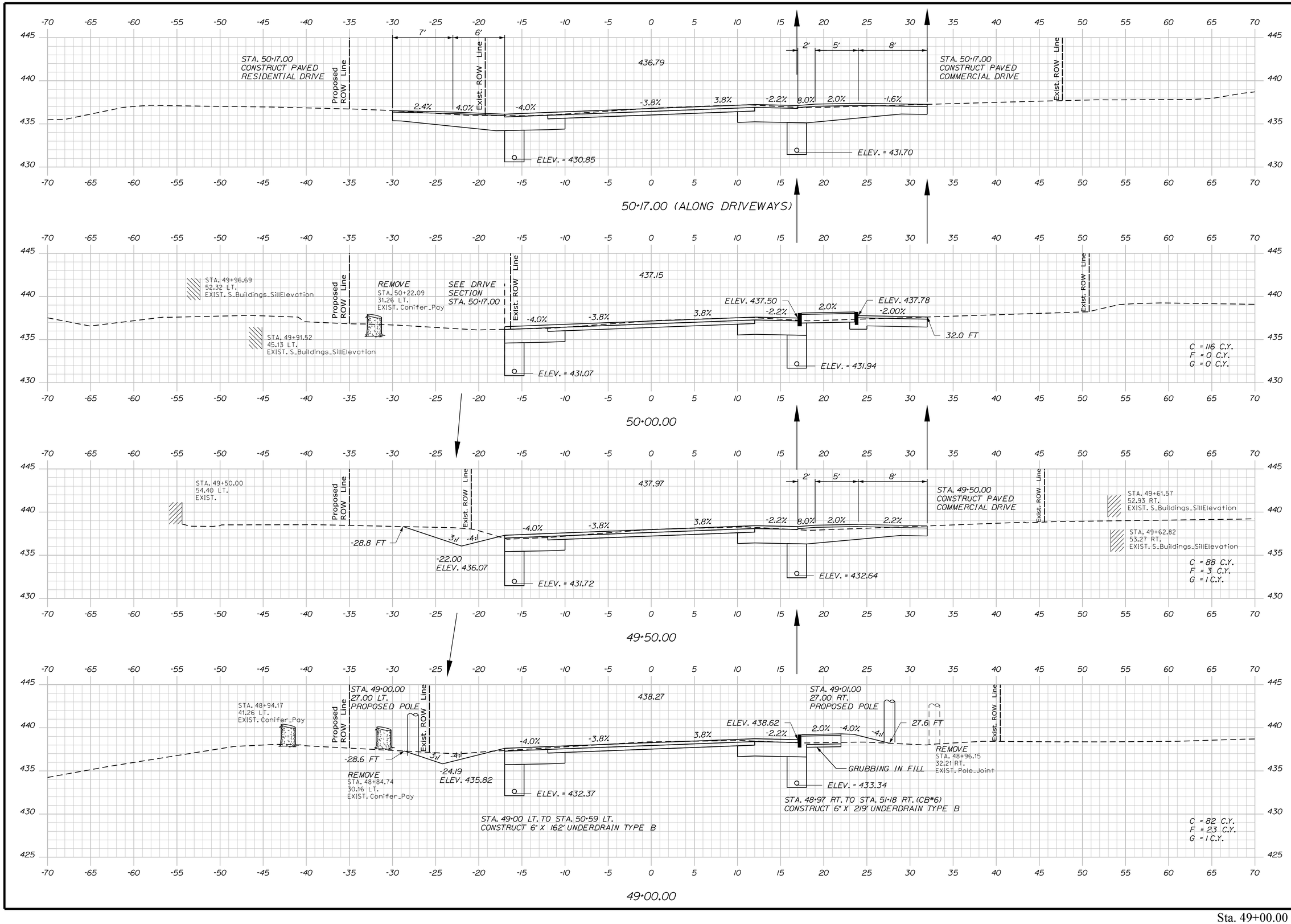
SHEET NUMBER

110

OF 364

Sta. 48+00.00 to Sta. 48+84.87

Filename: ...\MSTA\111_XSECT_49+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

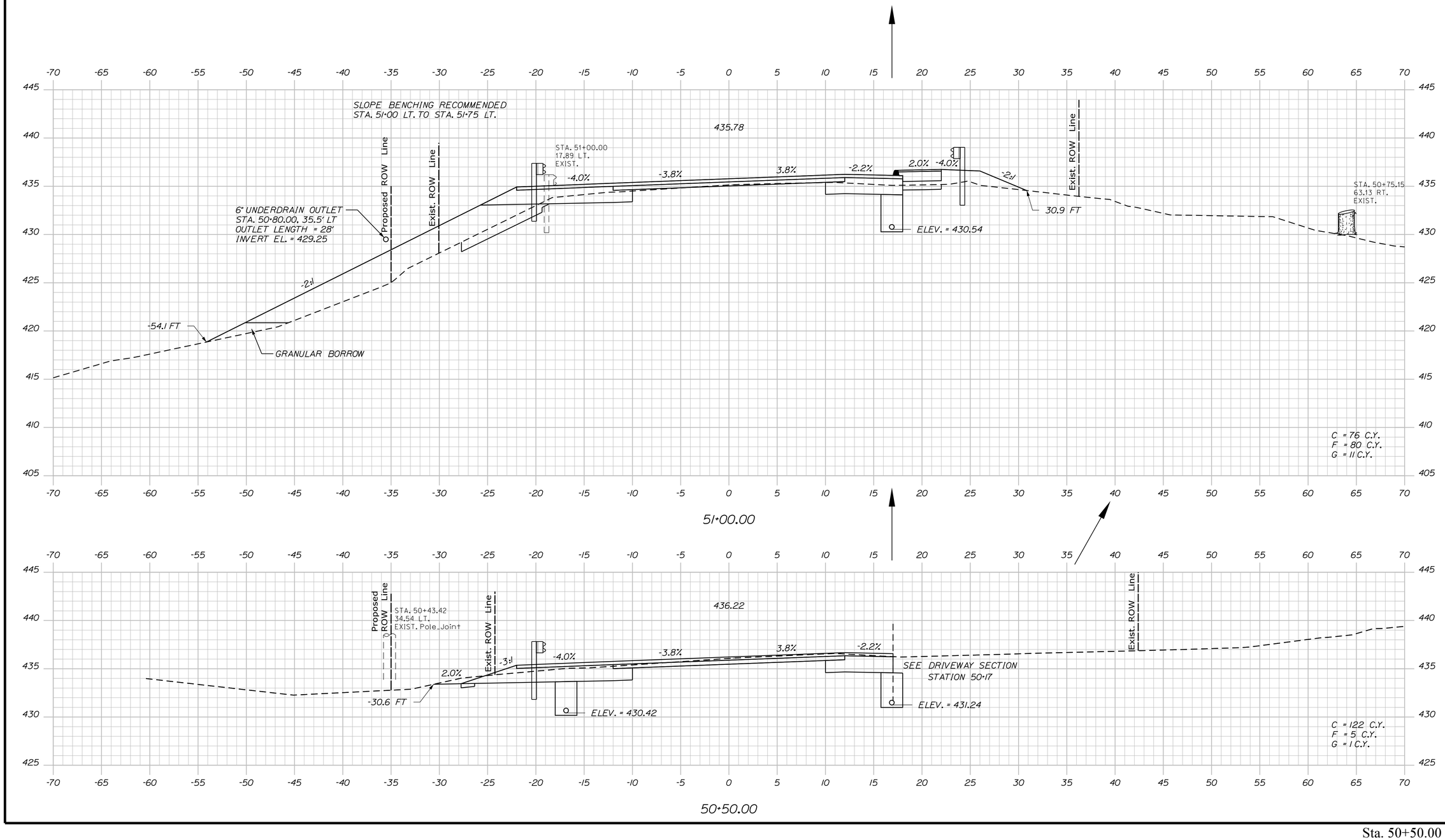
SHEET NUMBER

111

OF 364

Sta. 49+00.00 to Sta. 50+17.00

Filename: ...\MSTA\112_XSECT_50+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

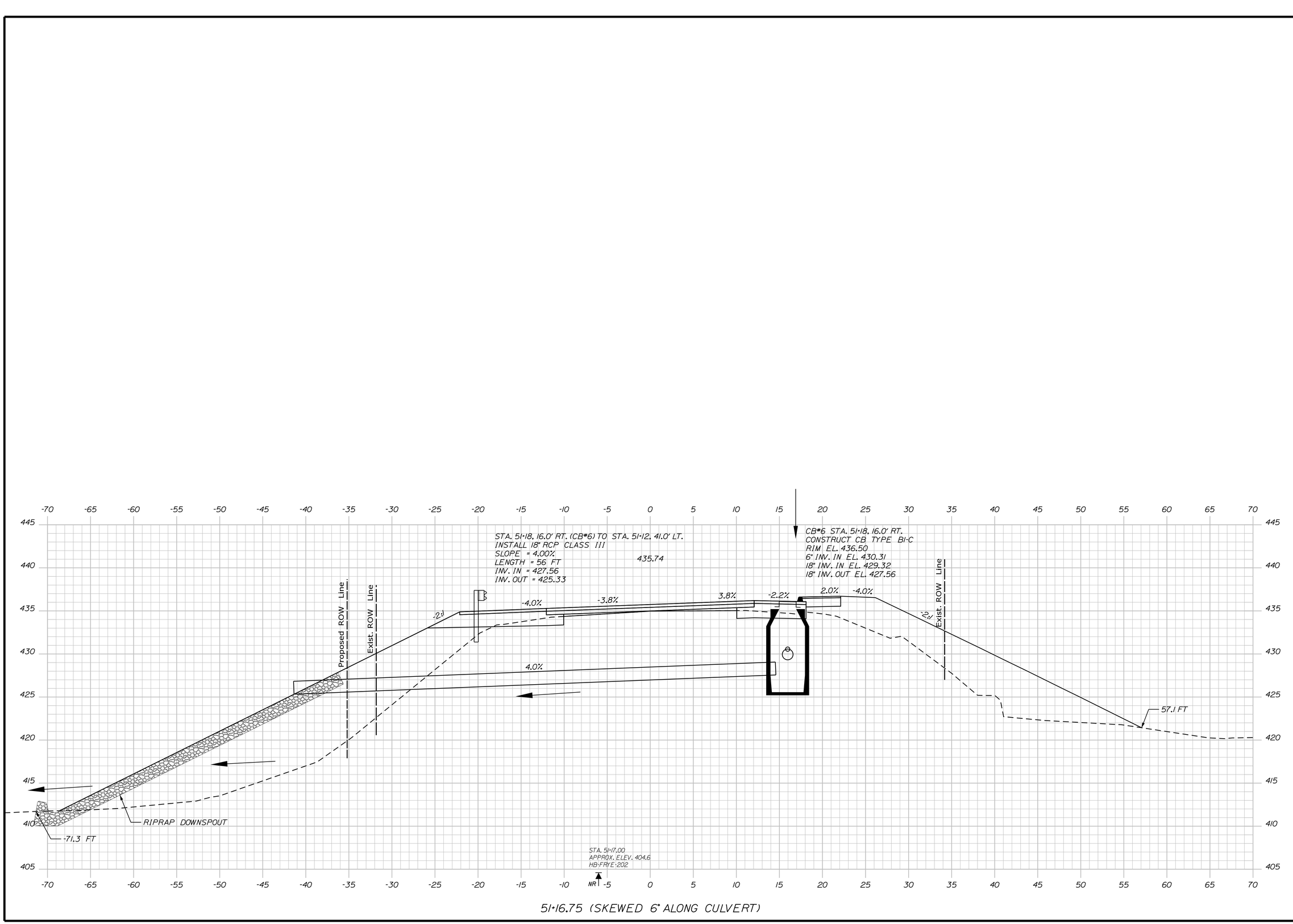
112

OF 364

Sta. 50+50.00 to Sta. 51+00.00

Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\113_XSECT_51+17.dgn Division: HIGHWAY



51+16.75 (SKEWED 6° ALONG CULVERT)

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

NH-1728(000)E

WIN
WIN 17280.00 HIGHWAY PLANS

FRYEBURG
US ROUTE 302

CROSS SECTIONS

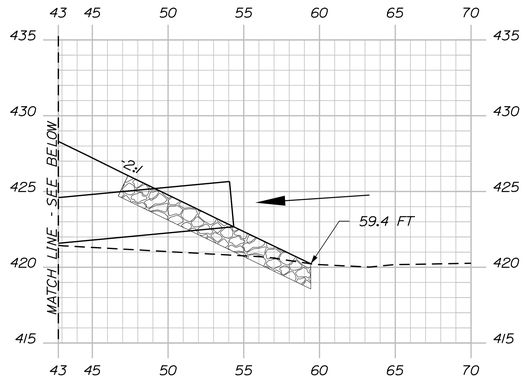
SHEET NUMBER

113

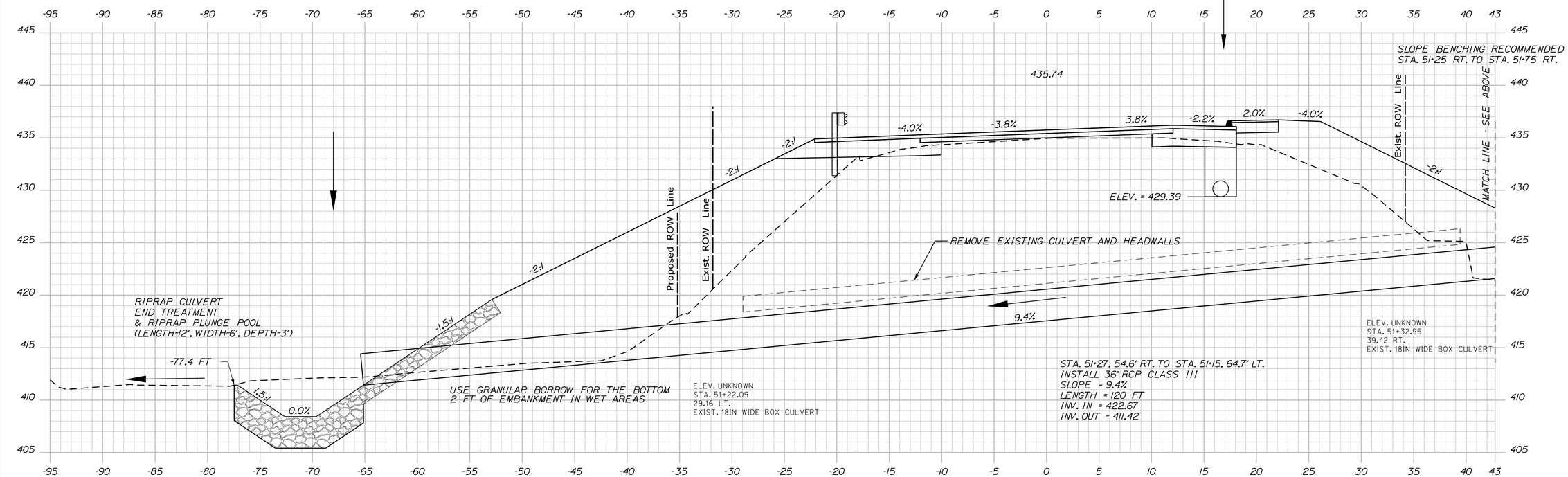
OF 364

Sta. 51+16.75 to Sta. 51+16.75

Username: mdebowski Date:12/10/2018
Division: HIGHWAY
Filename: ...\MSTA\114_XSECT_51+21.dgn



51+21.46 (SKEWED 6° ALONG CULVERT)



51+21.46 (SKEWED 6° ALONG CULVERT)

Sta. 51+21.46

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI	----------	------
CHECKED-REVIEWED	-----	-----	------
DESIGN2-DETAILED2	----------	----------	------
DESIGN3-DETAILED3	----------	----------	------
REVISIONS 1	------	----------	------
REVISIONS 2	------	----------	------
REVISIONS 3	------	----------	------
REVISIONS 4	------	----------	------
FIELD CHANGES	------	----------	------

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

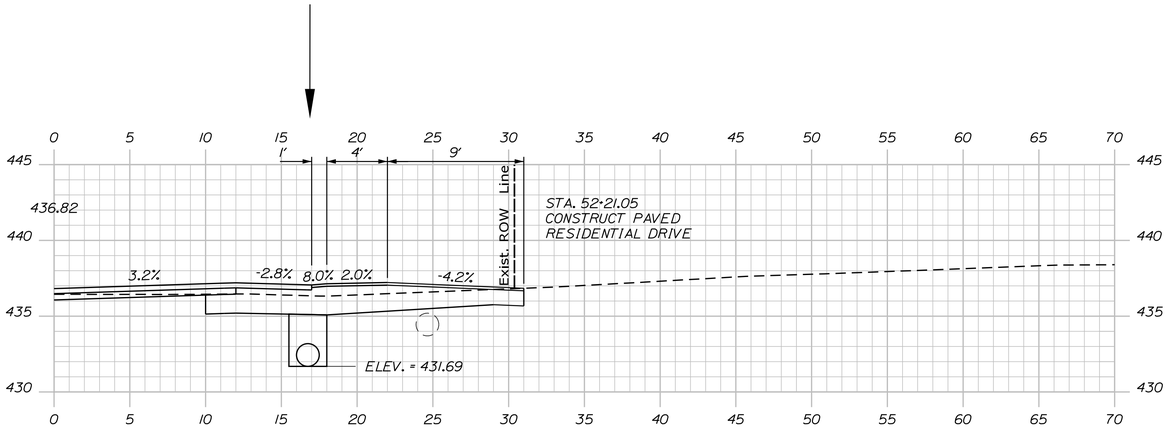
CROSS SECTIONS

SHEET NUMBER

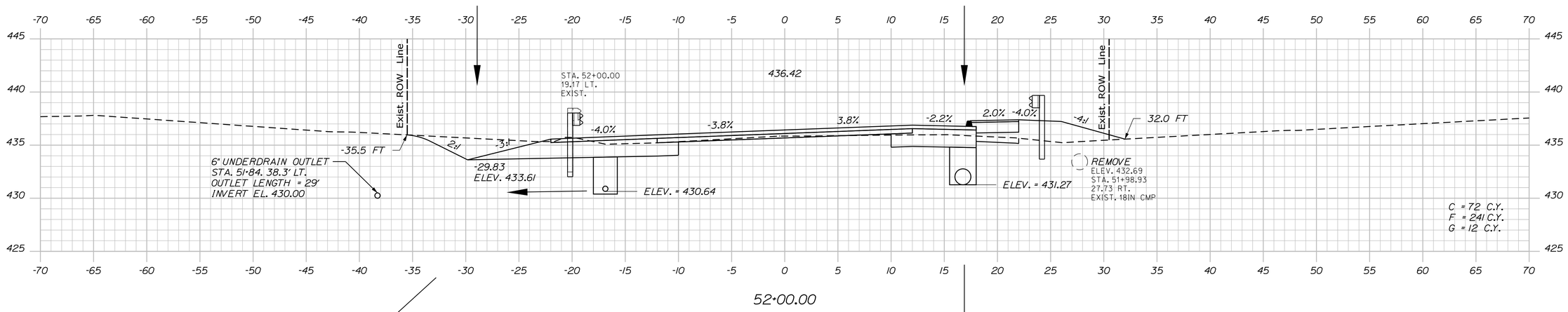
114

OF 364

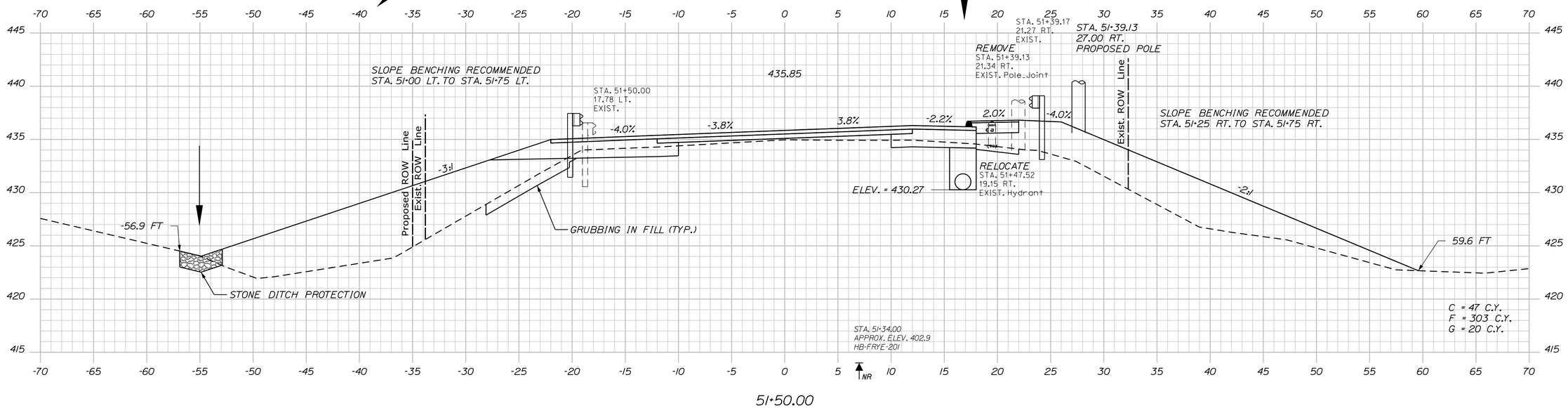
Filename: ...\MSTA\115_XSECT_51+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



52+21.05 (ALONG DRIVEWAY CENTERLINE)



52+00.00



51+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

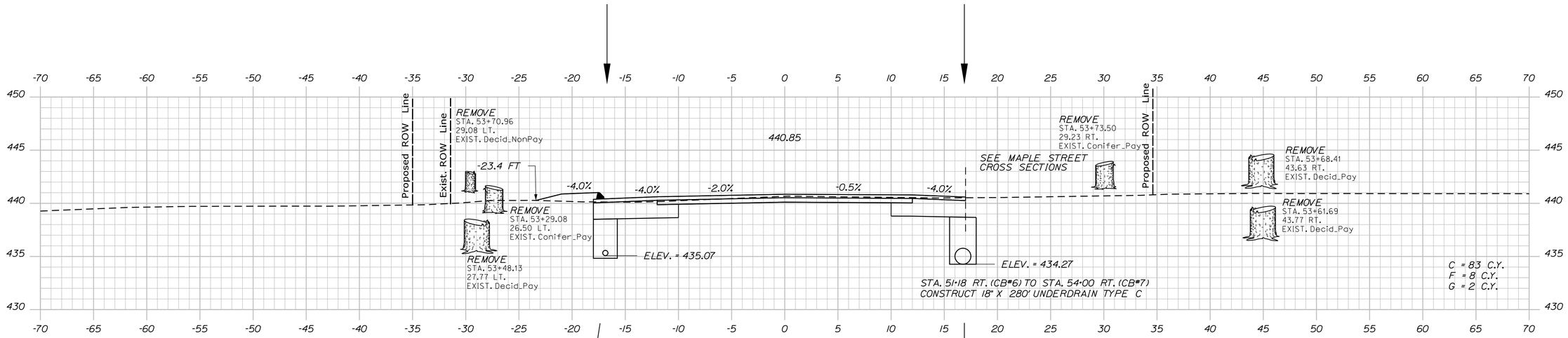
SHEET NUMBER

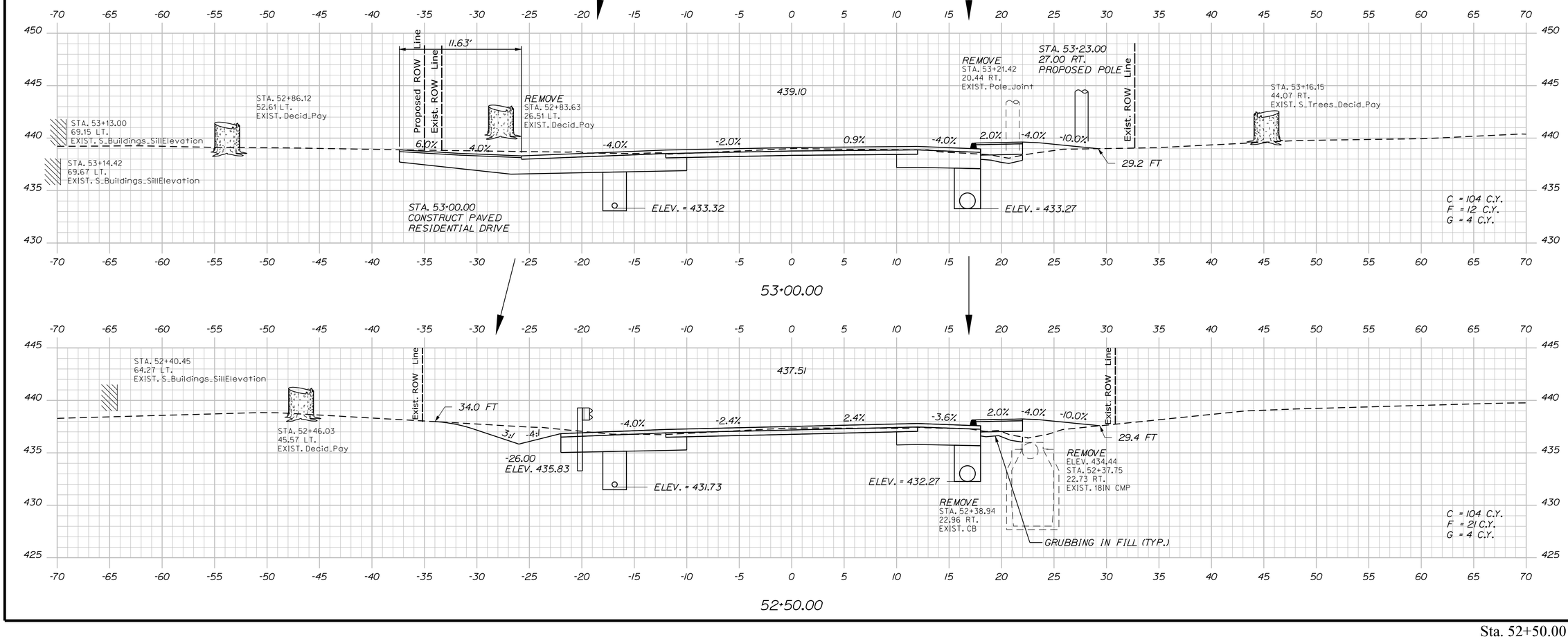
115

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Sta. 51+50.00 to Sta. 52+21.05

Filename: ...\MSTA\116_XSECT_52+50.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

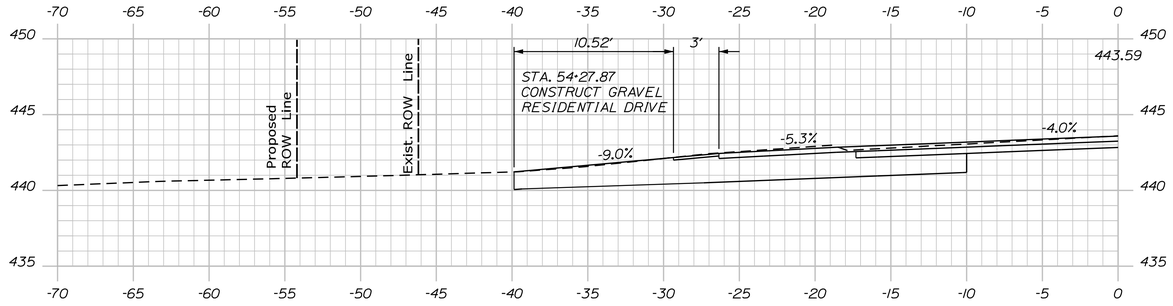
CROSS SECTIONS

SHEET NUMBER

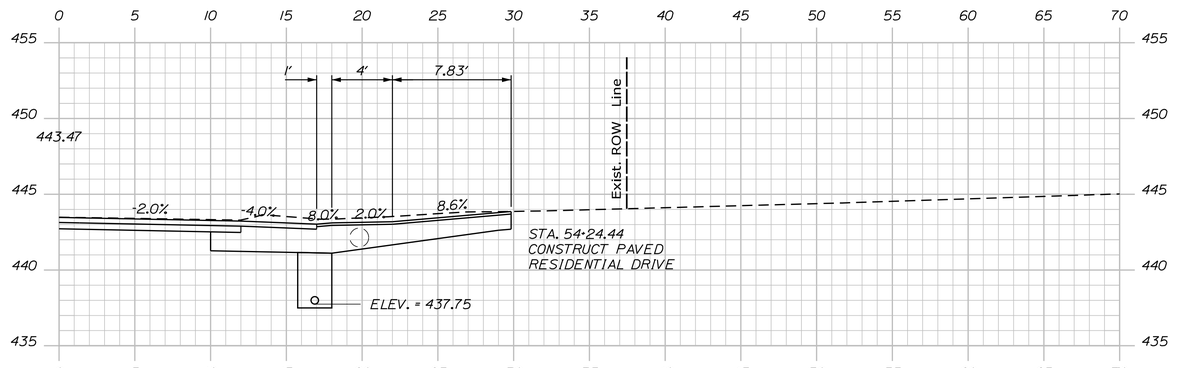
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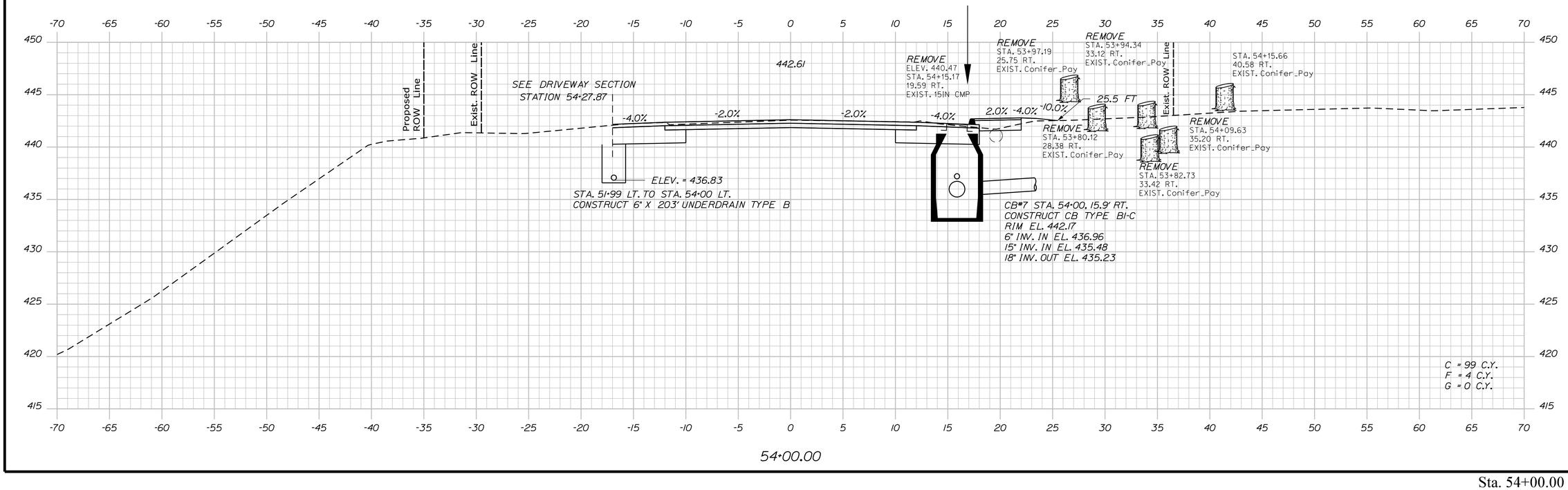
Sta. 52+50.00 to Sta. 53+50.00



54+27.87 (SKEWED ALONG DRIVEWAY CENTERLINE)



54+24.44 (ALONG DRIVEWAY CENTERLINE)



54+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

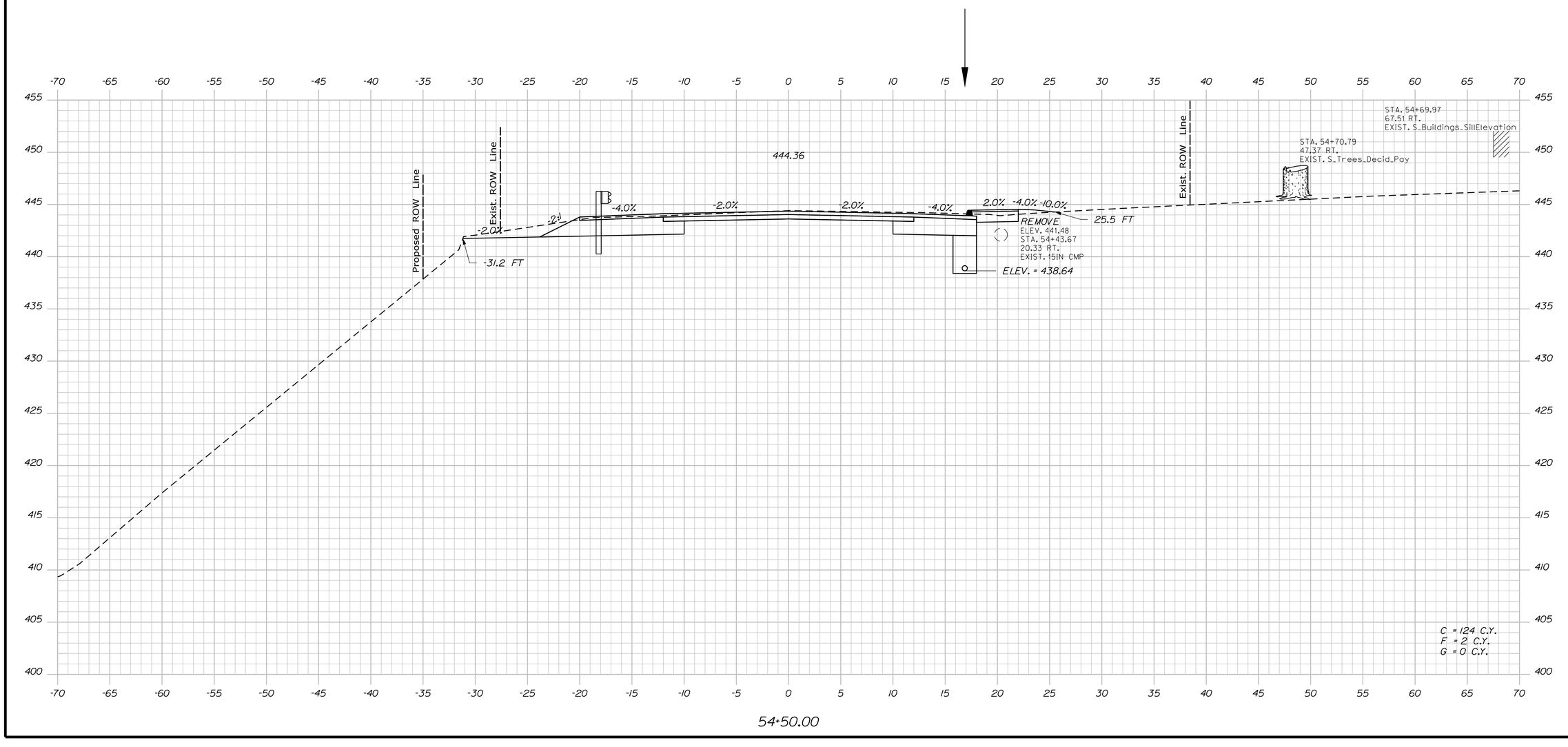
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Filename: ...\MSTA\117_XSECT_54+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 54+00.00 to Sta. 54+27.87

Filename: ...\MSTA\118_XSECT_54+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



Sta. 54+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

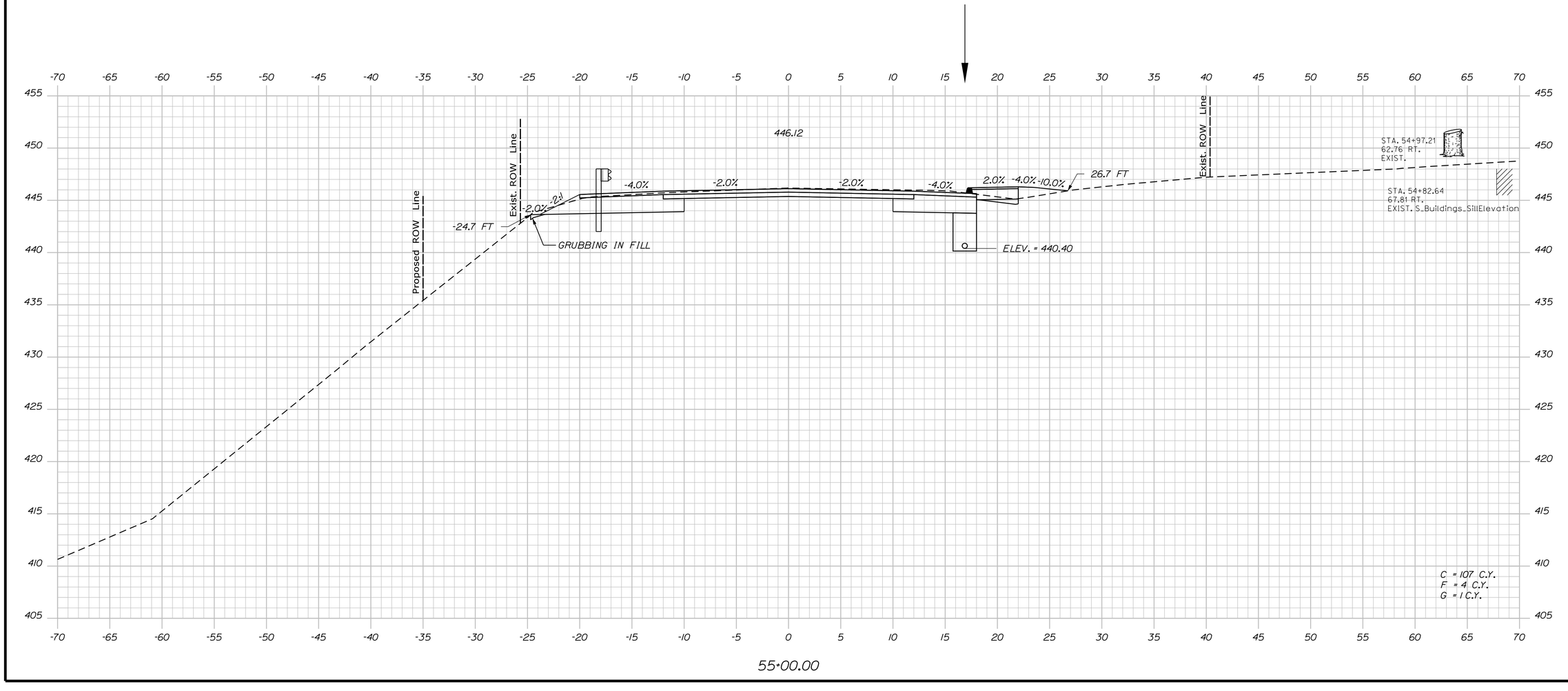
CROSS SECTIONS

SHEET NUMBER

118

OF 364

Filename: ...\MSTA\119_XSECT_55+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

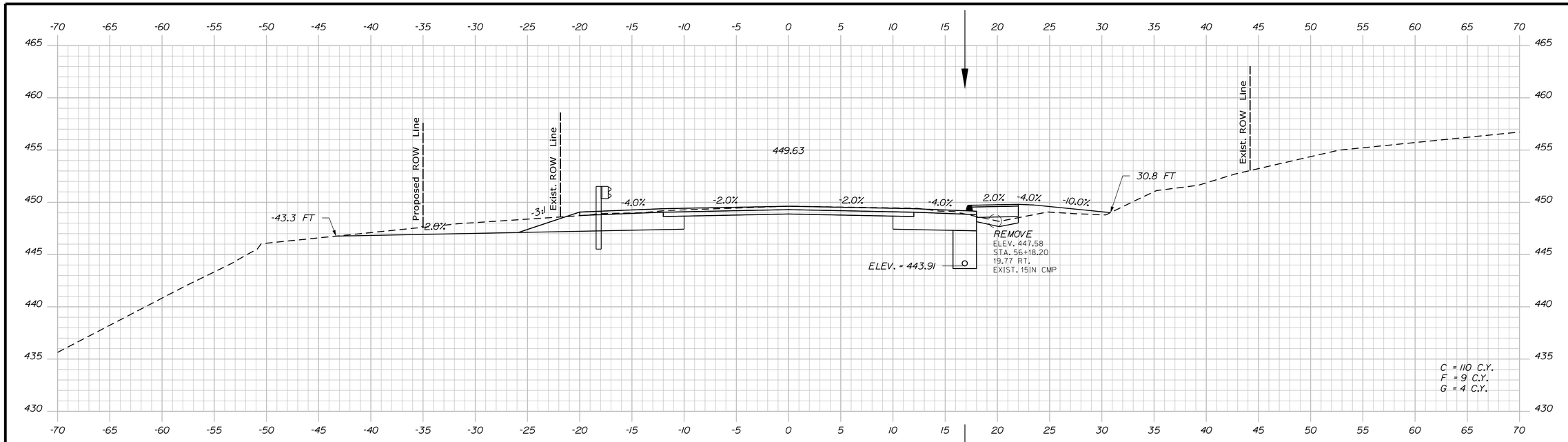
SHEET NUMBER

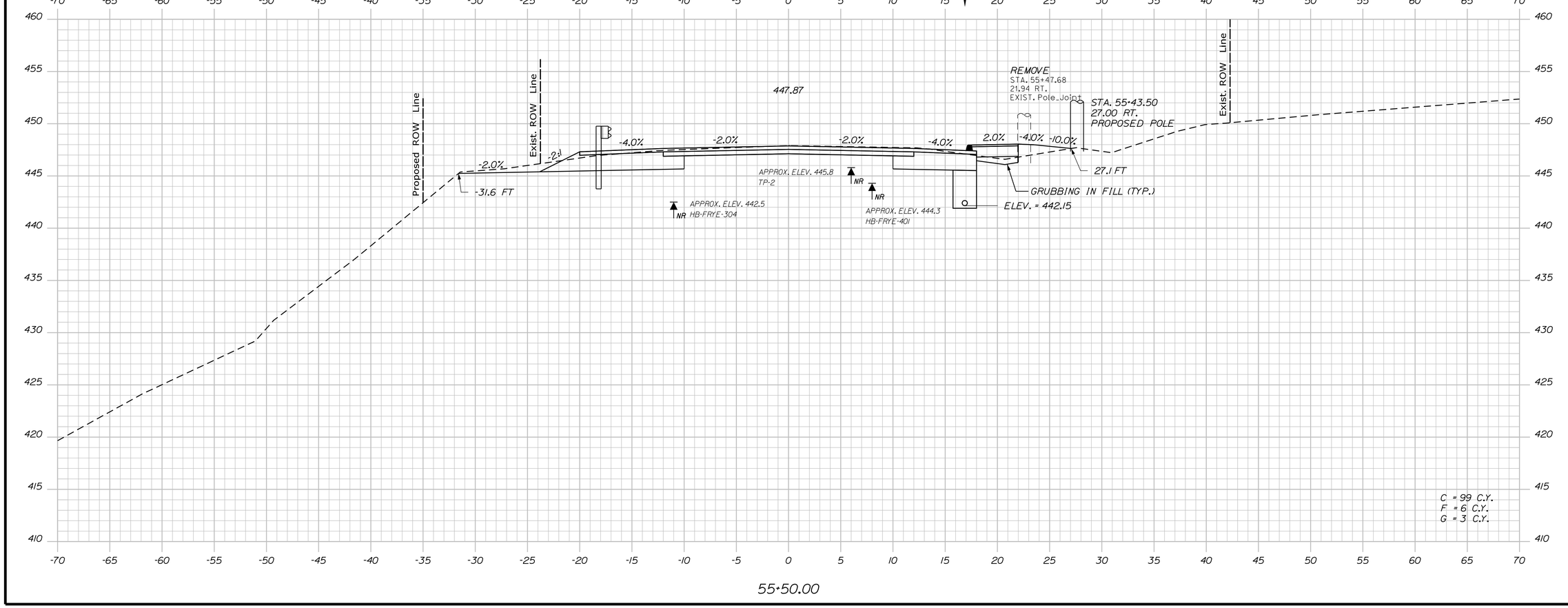
119

OF 364

Sta. 55+00.00

Filename: ...\MSTA\120_XSECT_55+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2	ED2	
DESIGN3-DETAILED3	ED3	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

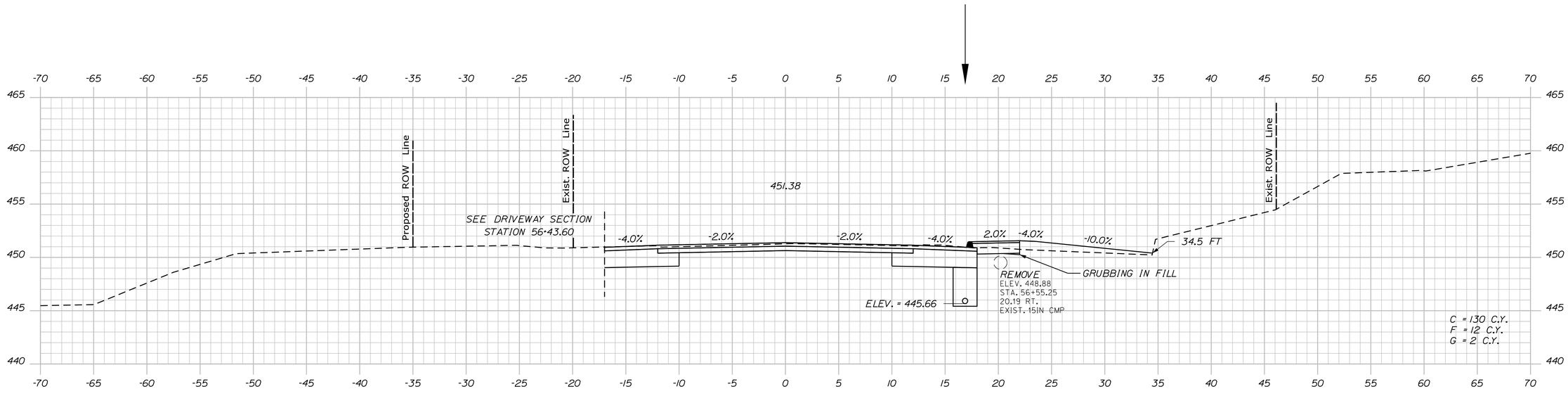
CROSS SECTIONS

SHEET NUMBER

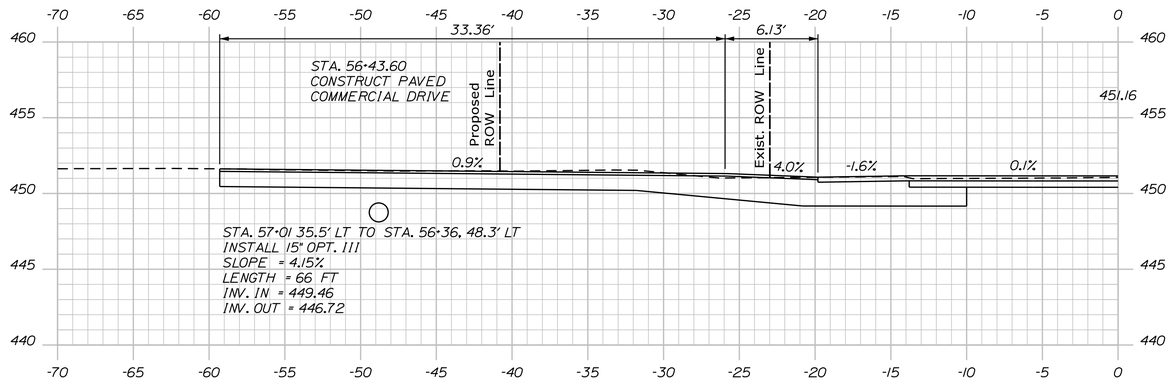
120

OF 364

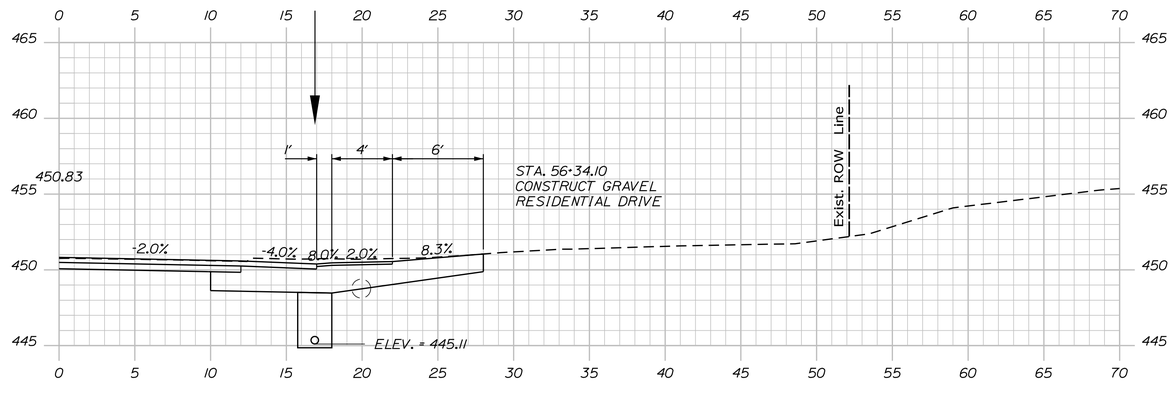
Sta. 55+50.00 to Sta. 56+00.00



56+50.00



56+43.60 (SKEWED ALONG DRIVEWAY CENTERLINE)



56+34.10 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

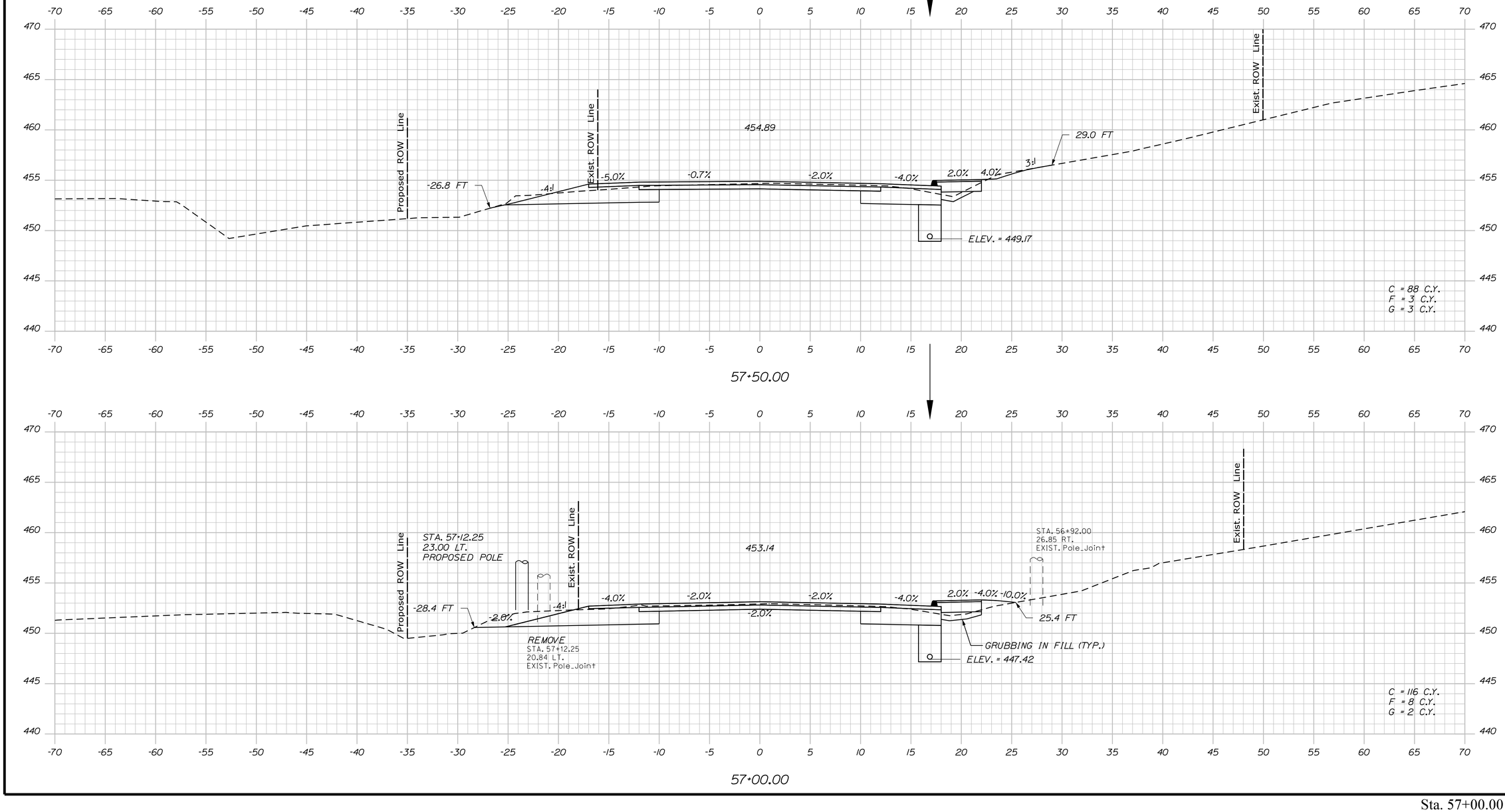
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OF 364

Filename: ...\MSTA\121_XSECT_56+34.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 56+34.10 to Sta. 56+50.00

Filename: ...\MSTA\122_XSECT_57+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PRO. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

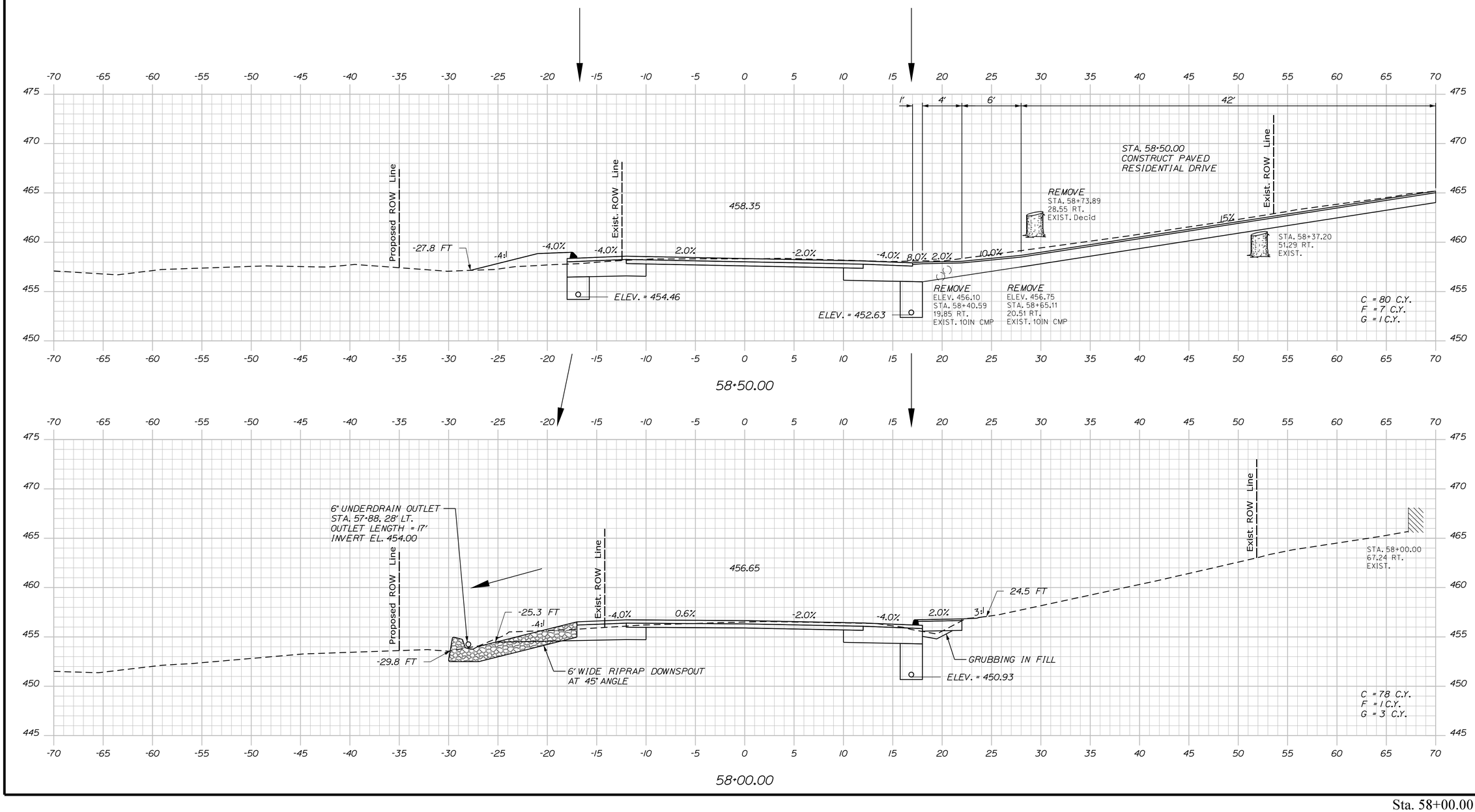
SHEET NUMBER

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OF 364

Sta. 57+00.00 to Sta. 57+50.00

Username: mdebowski Date:12/10/2018
Division: HIGHWAY
Filename: ...\MSTA\123_XSECT_58+00.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

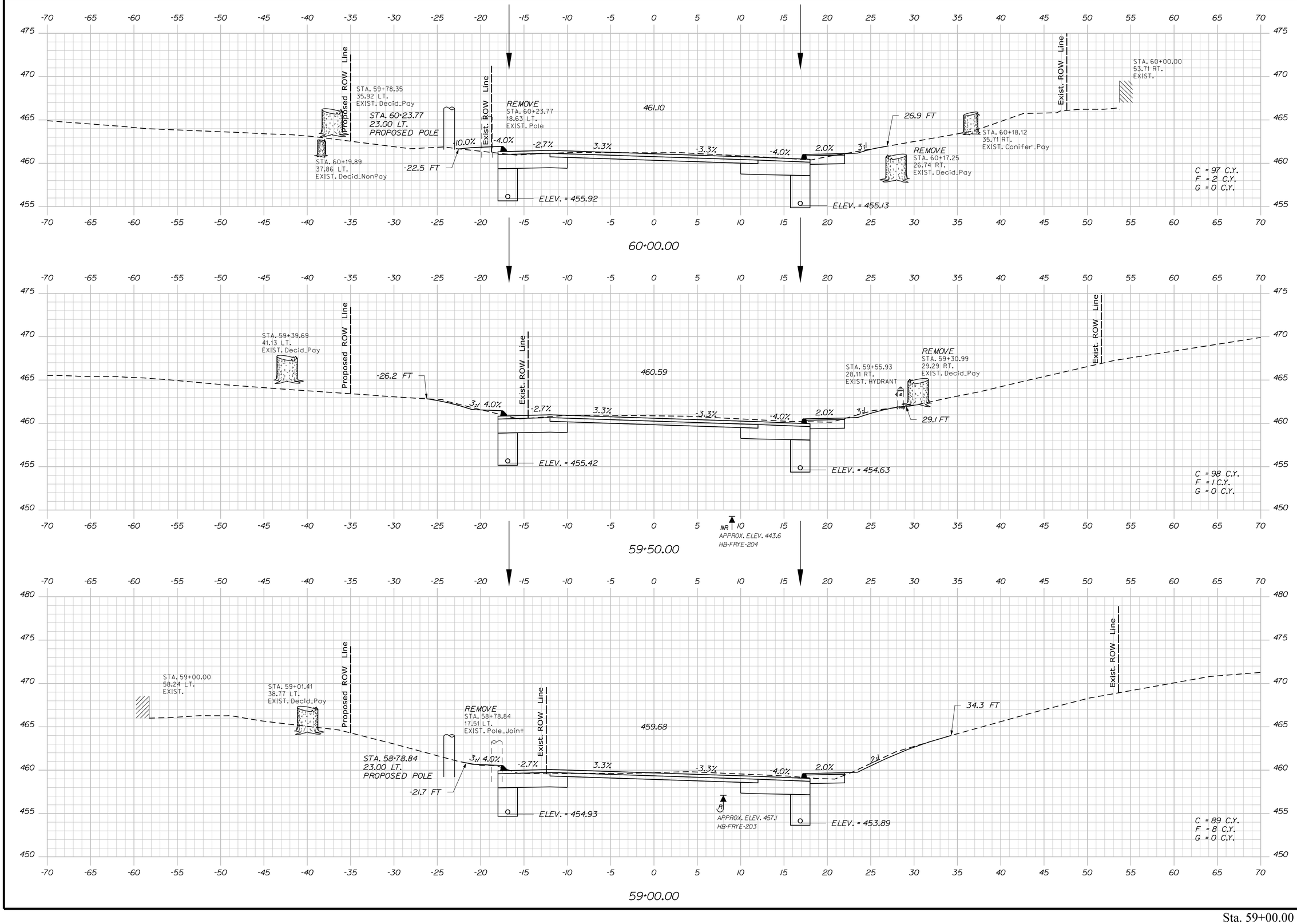
CROSS SECTIONS

SHEET NUMBER

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OF 364

Sta. 58+00.00 to Sta. 58+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

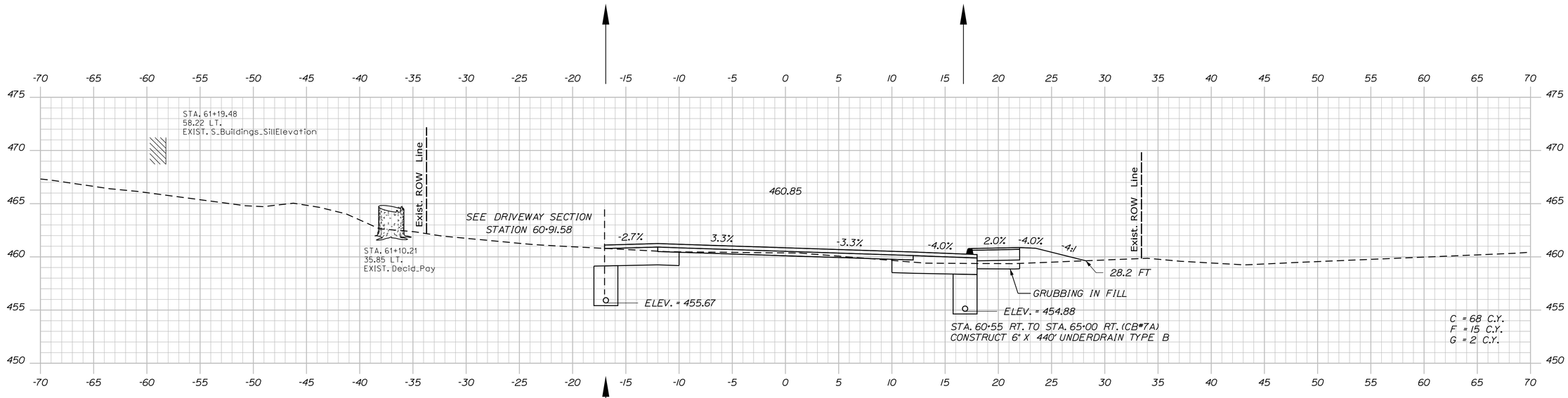
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OF 364

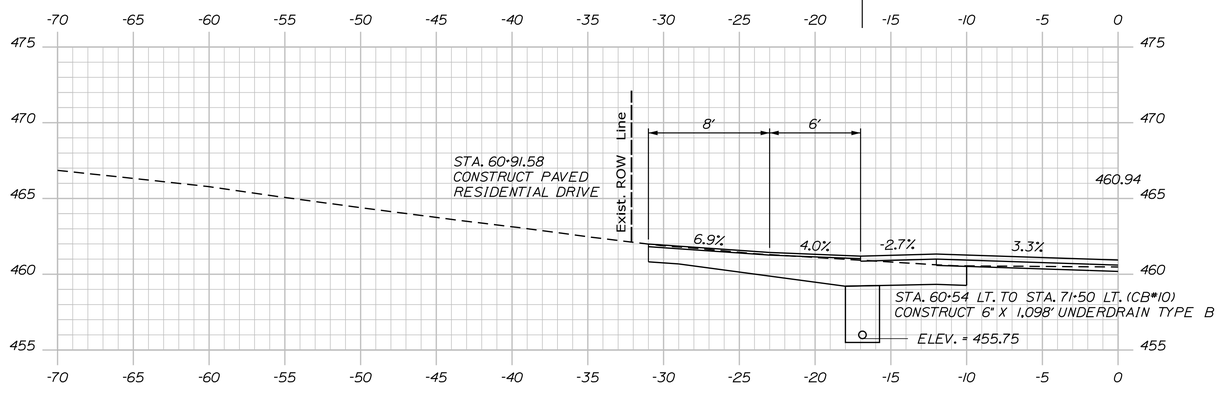
Sta. 59+00.00 to Sta. 60+00.00

Filename: ...\MSTA\124_XSECT_59-00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

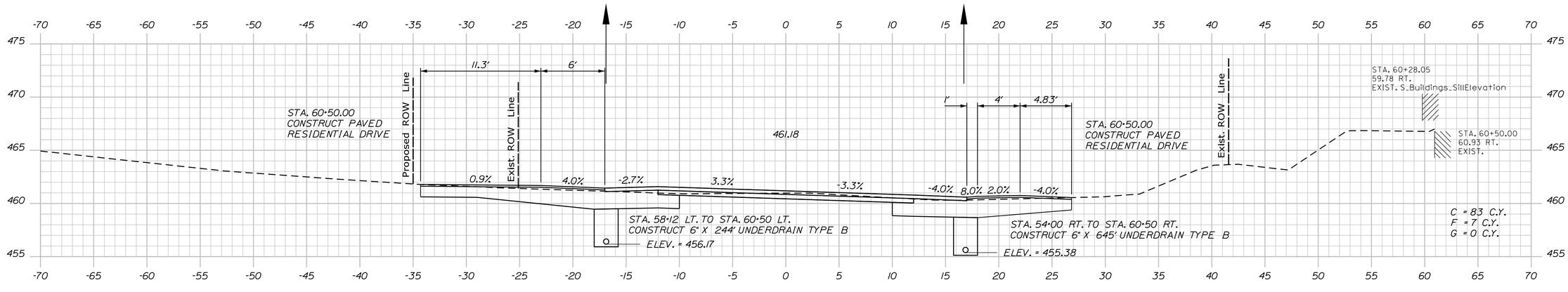
Filename: ...\MSTA\125_XSECT_60+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



61+00.00



60+91.58 (ALONG DRIVEWAY CENTERLINE)



60+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

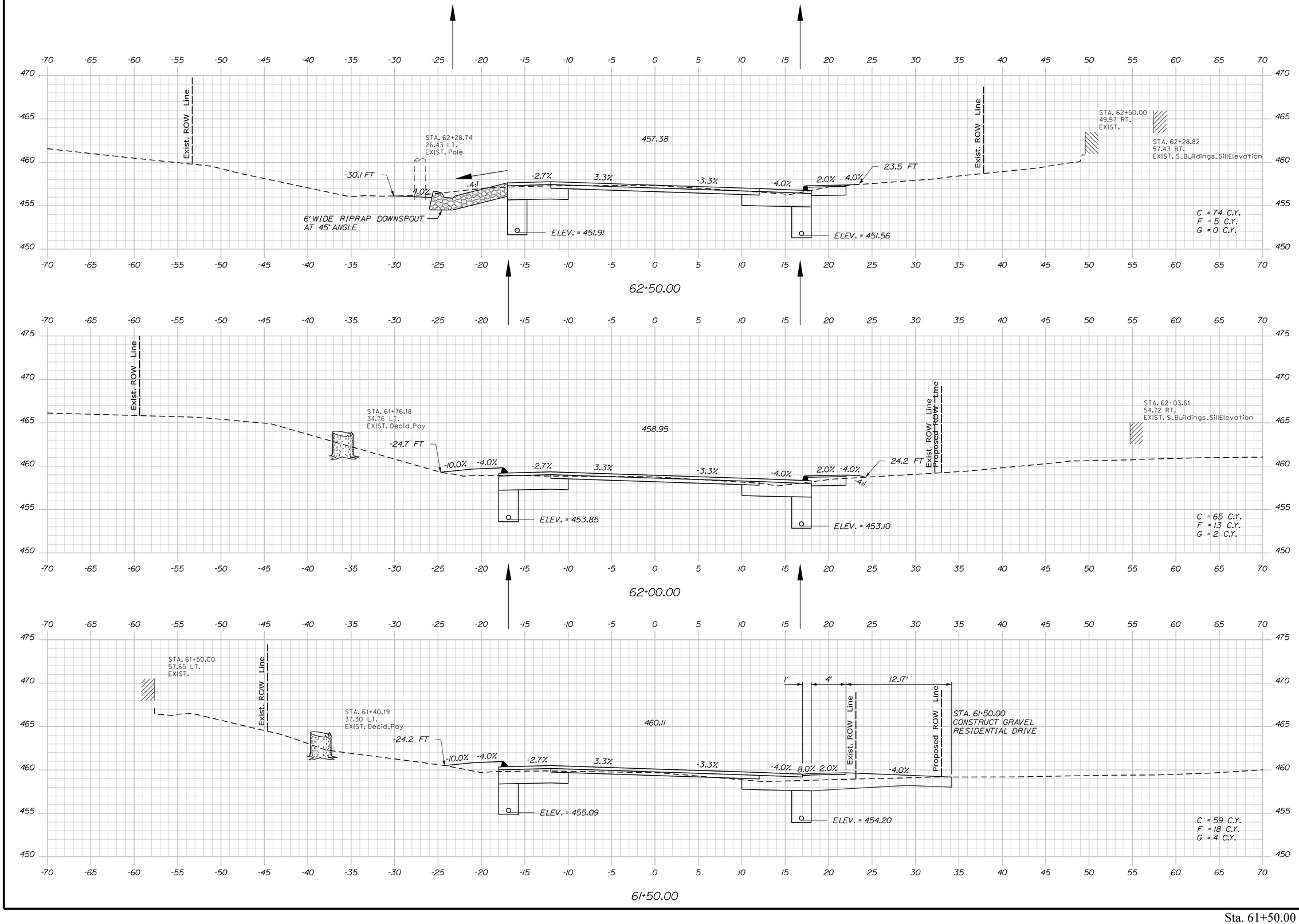
CROSS SECTIONS

SHEET NUMBER

125

OF 364

Sta. 60+50.00 to Sta. 61+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

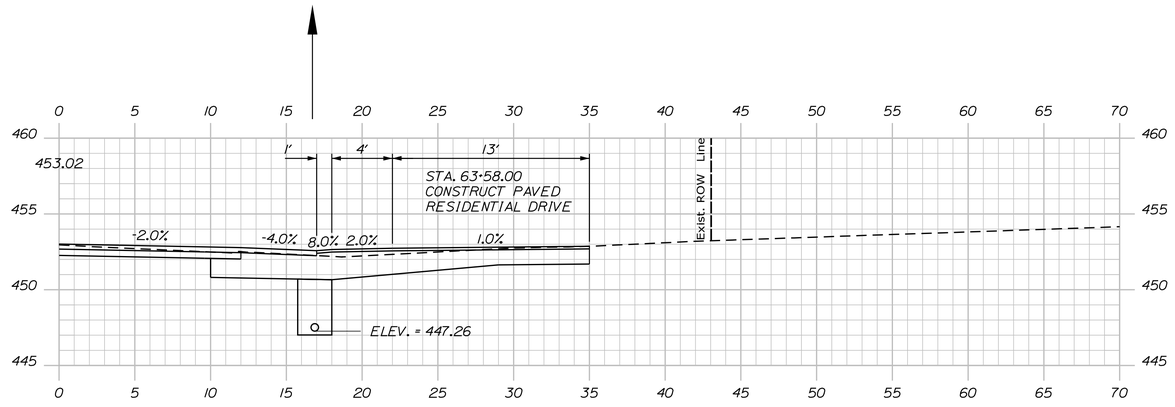
SHEET NUMBER

126

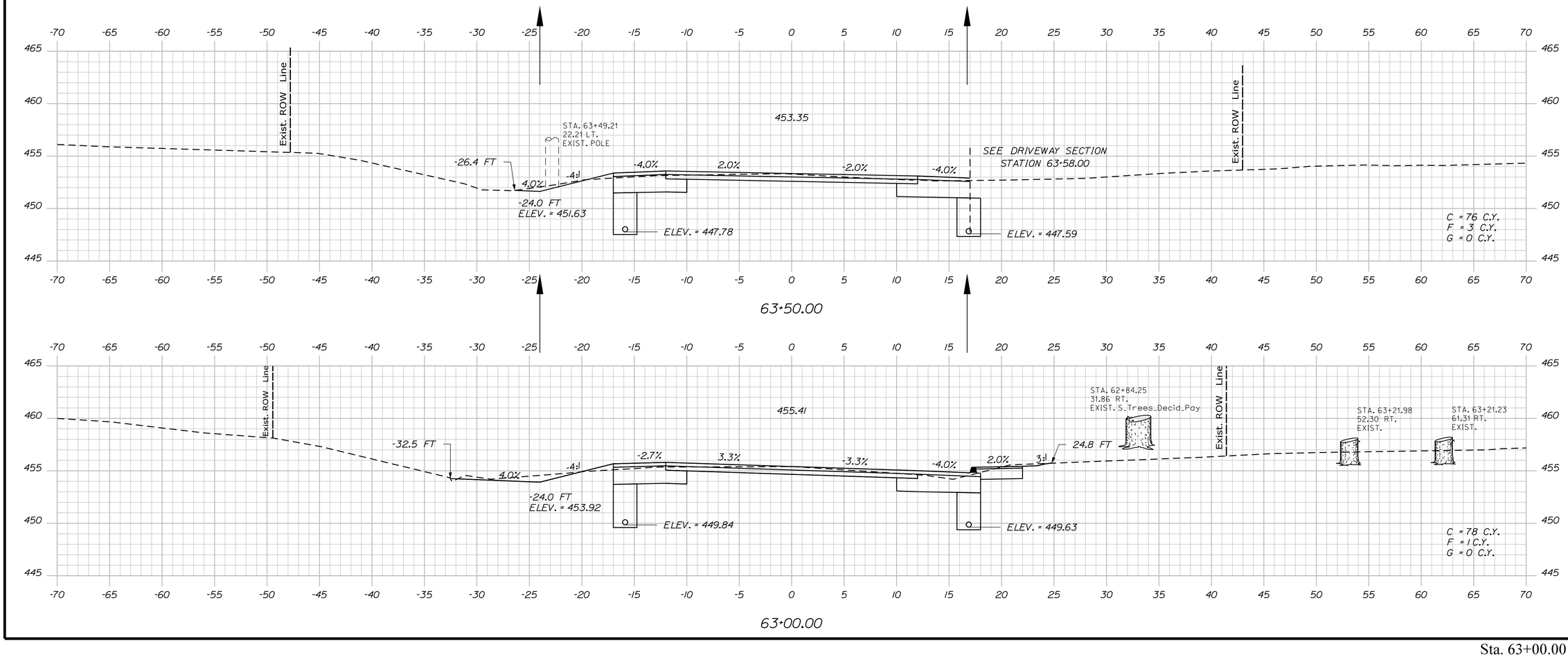
OF 364

Sta. 61+50.00 to Sta. 62+50.00

Filename: ...\MSTA\126_XSECT_61+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



63+58.00 (ALONG DRIVEWAY CENTERLINE)



63+50.00

63+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

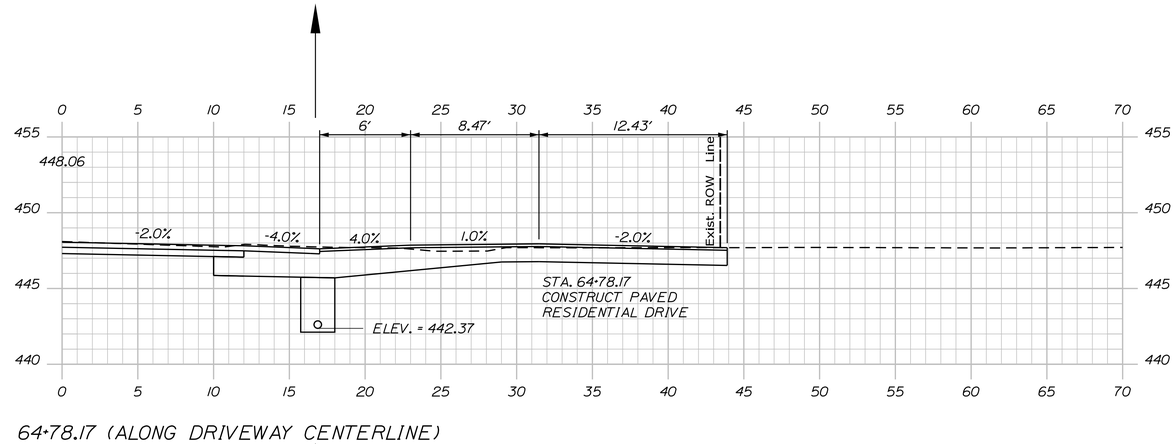
127

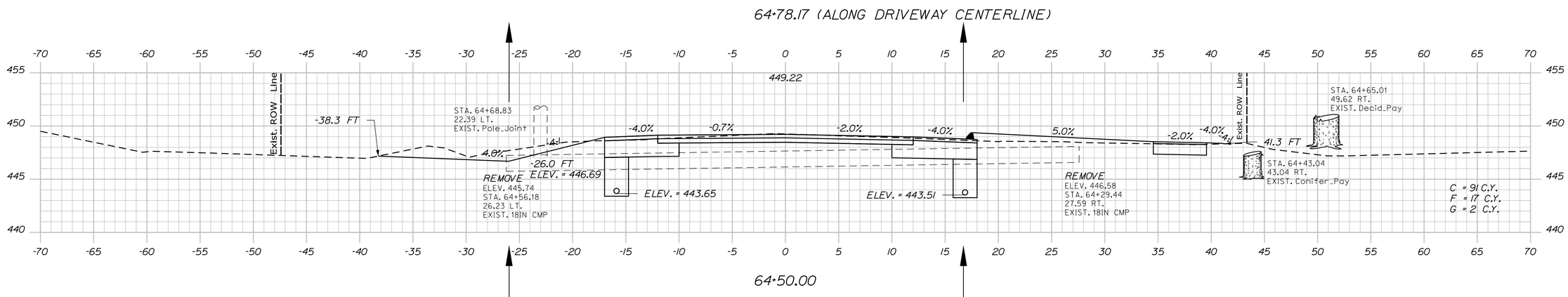
OF 364

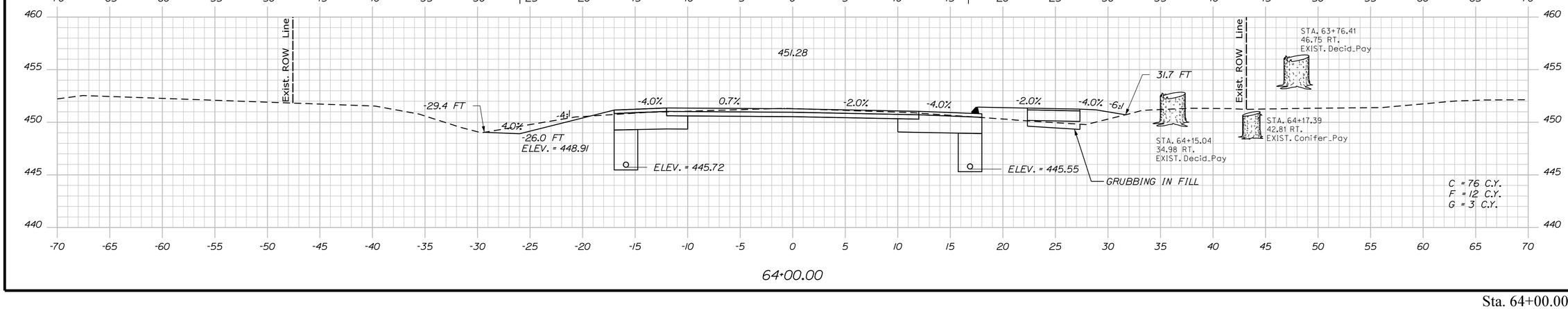
Sta. 63+00.00 to Sta. 63+58.00

Filename: ...\MSTA\127_XSECT_63+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\128_XSECT_64+00.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

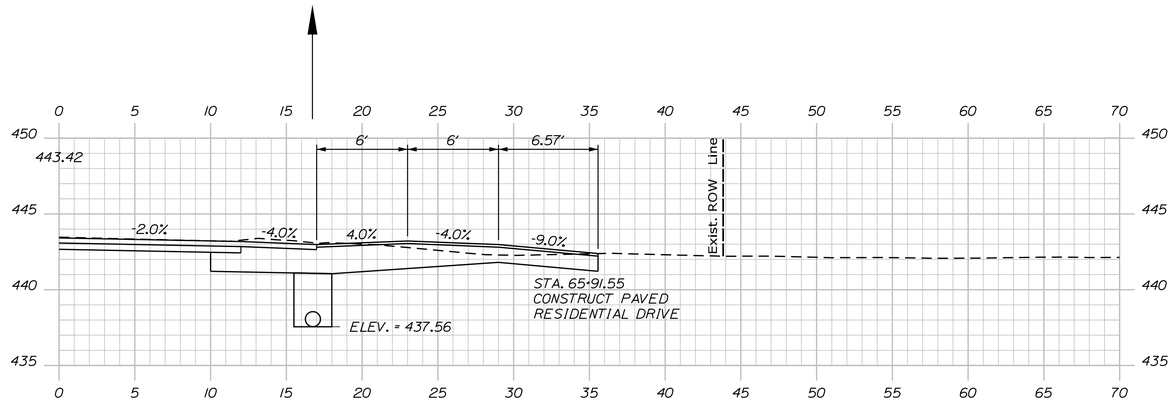
CROSS SECTIONS

SHEET NUMBER

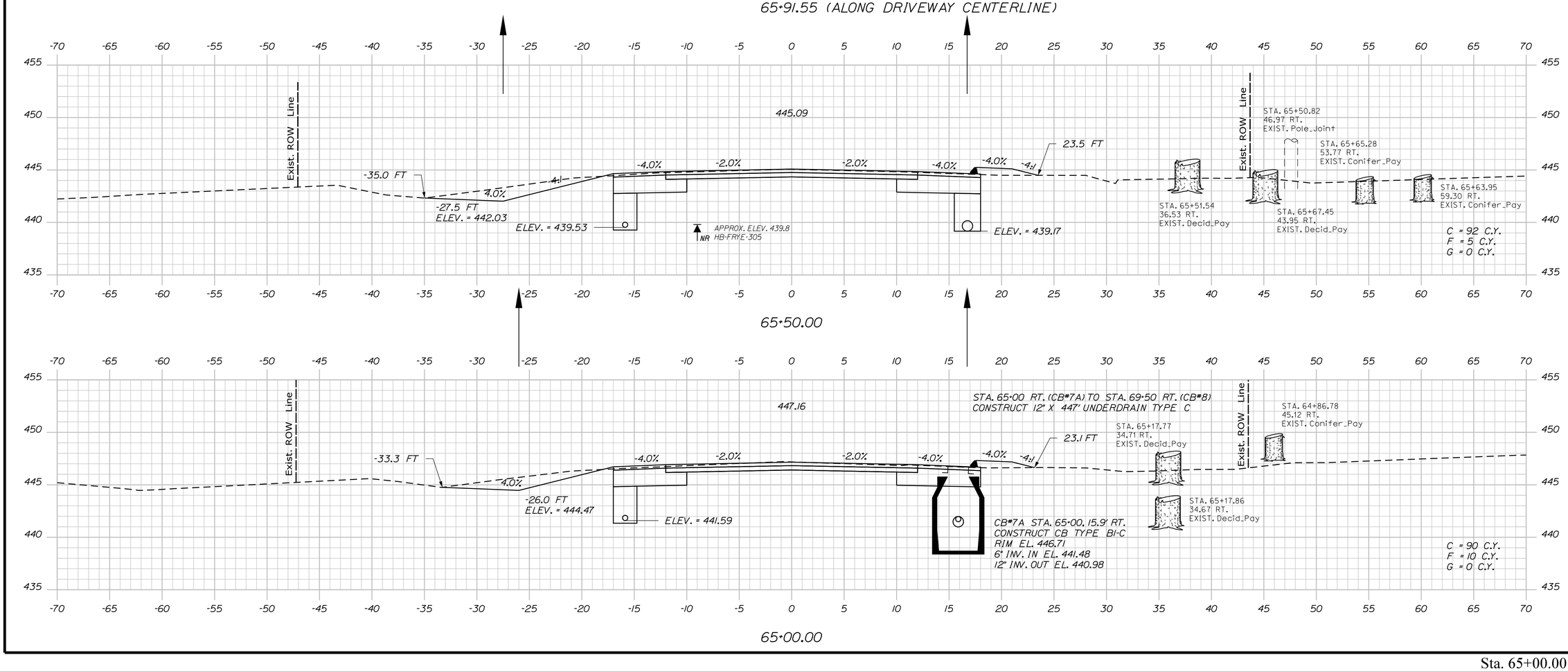
128

OF 364

Sta. 64+00.00 to Sta. 64+78.17



65+91.55 (ALONG DRIVEWAY CENTERLINE)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

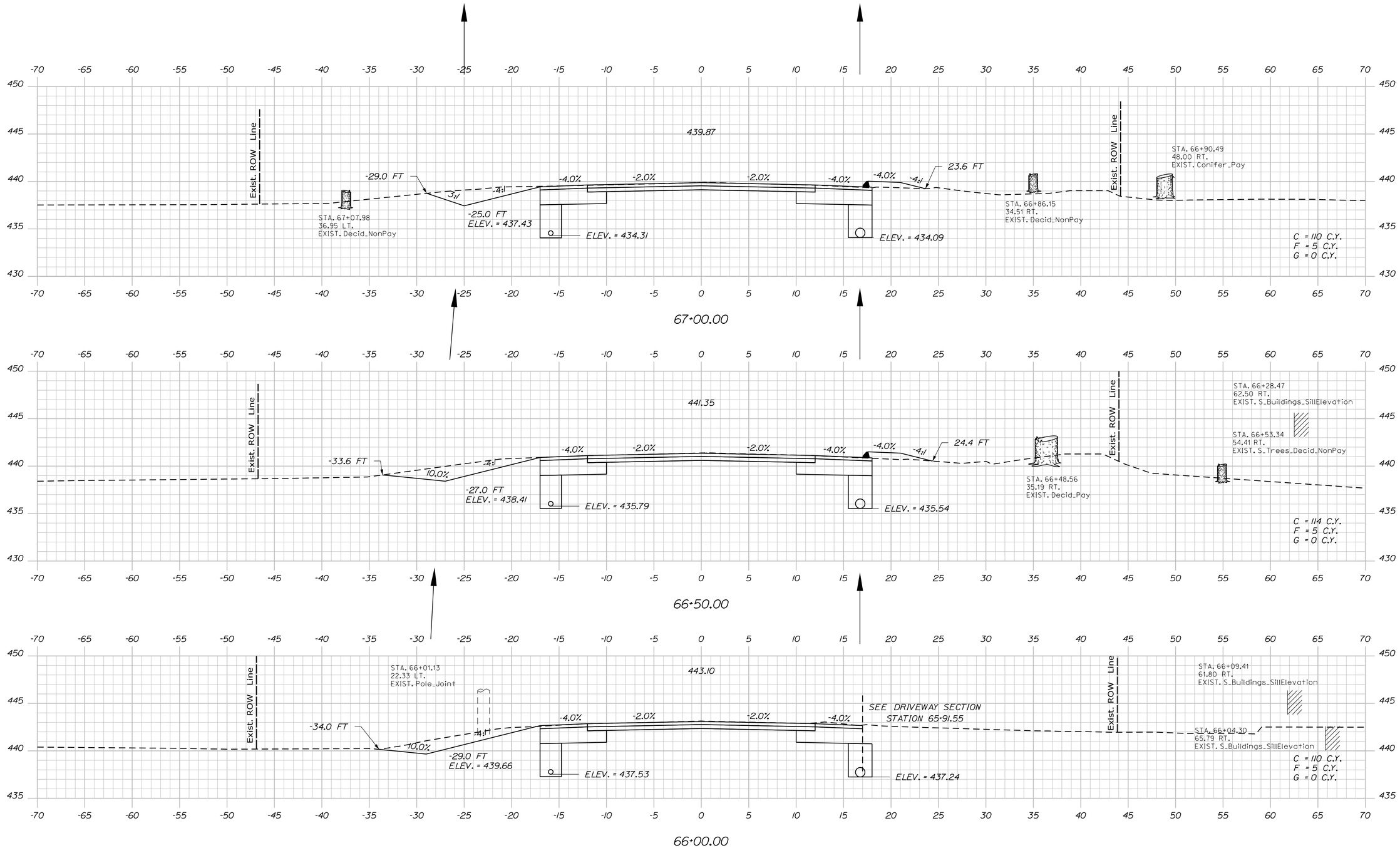
129

OF 364

Sta. 65+00.00 to Sta. 65+91.55

Filename: ...\MSTA\129_XSECT_65+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\130_XSECT_66+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

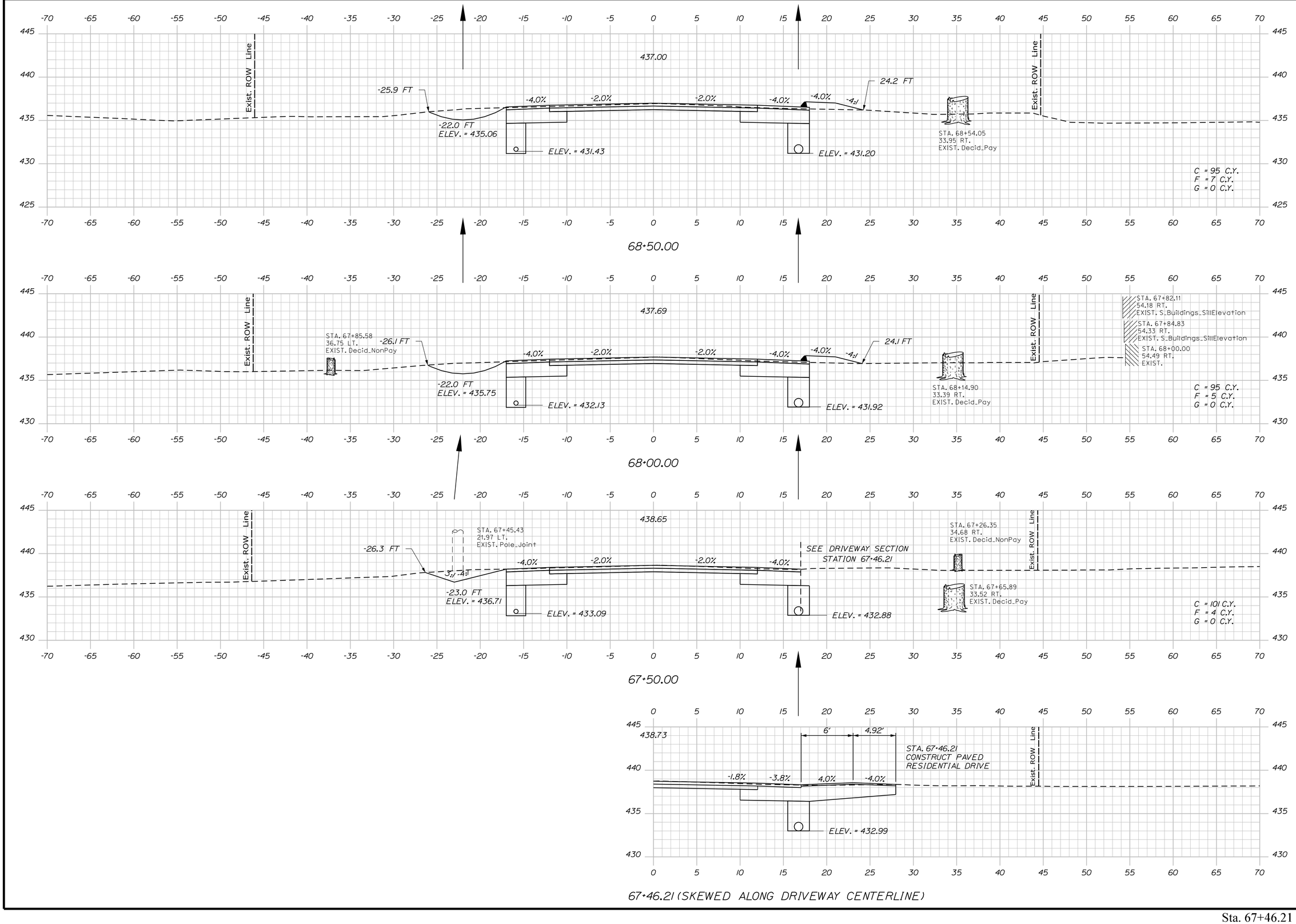
CROSS SECTIONS

SHEET NUMBER

130

OF 364

Sta. 66+00.00 to Sta. 67+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI	----------	----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	----------	----------	----------
DESIGN3-DETAILED3	----------	----------	----------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

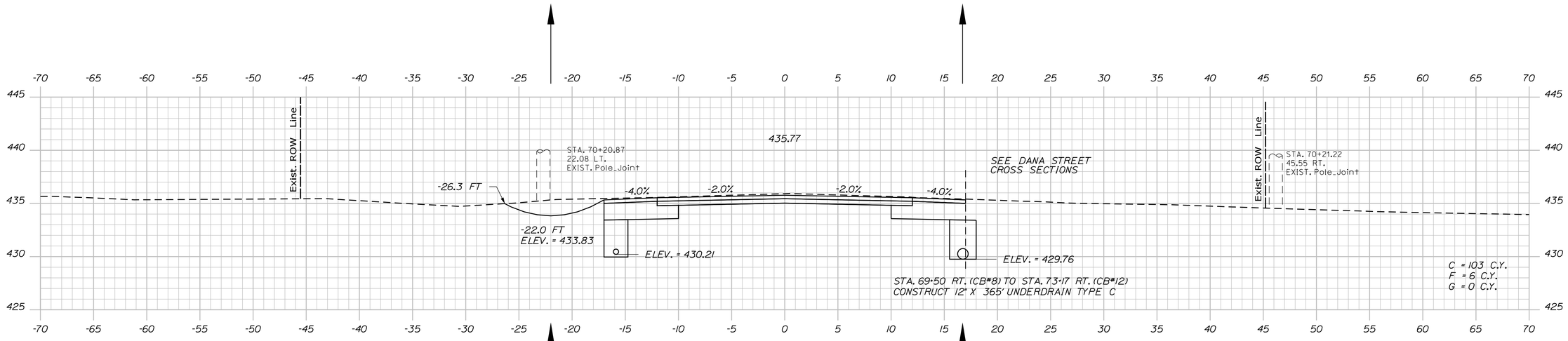
131

OF 364

Sta. 67+46.21 to Sta. 68+50.00

Filename: ...\MSTA\131_XSECT_67+46.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\132_XSECT_69+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

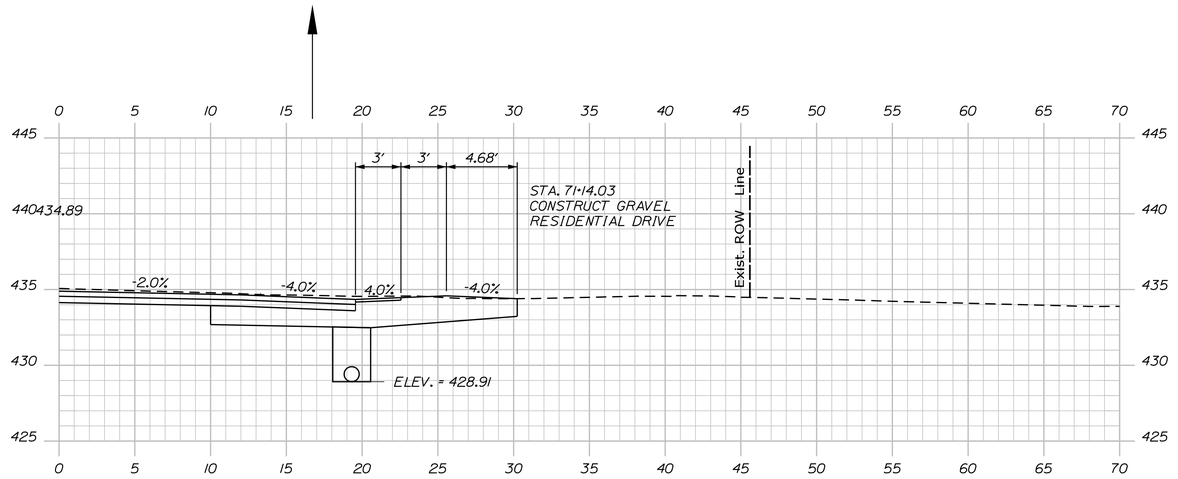
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SHEET NUMBER

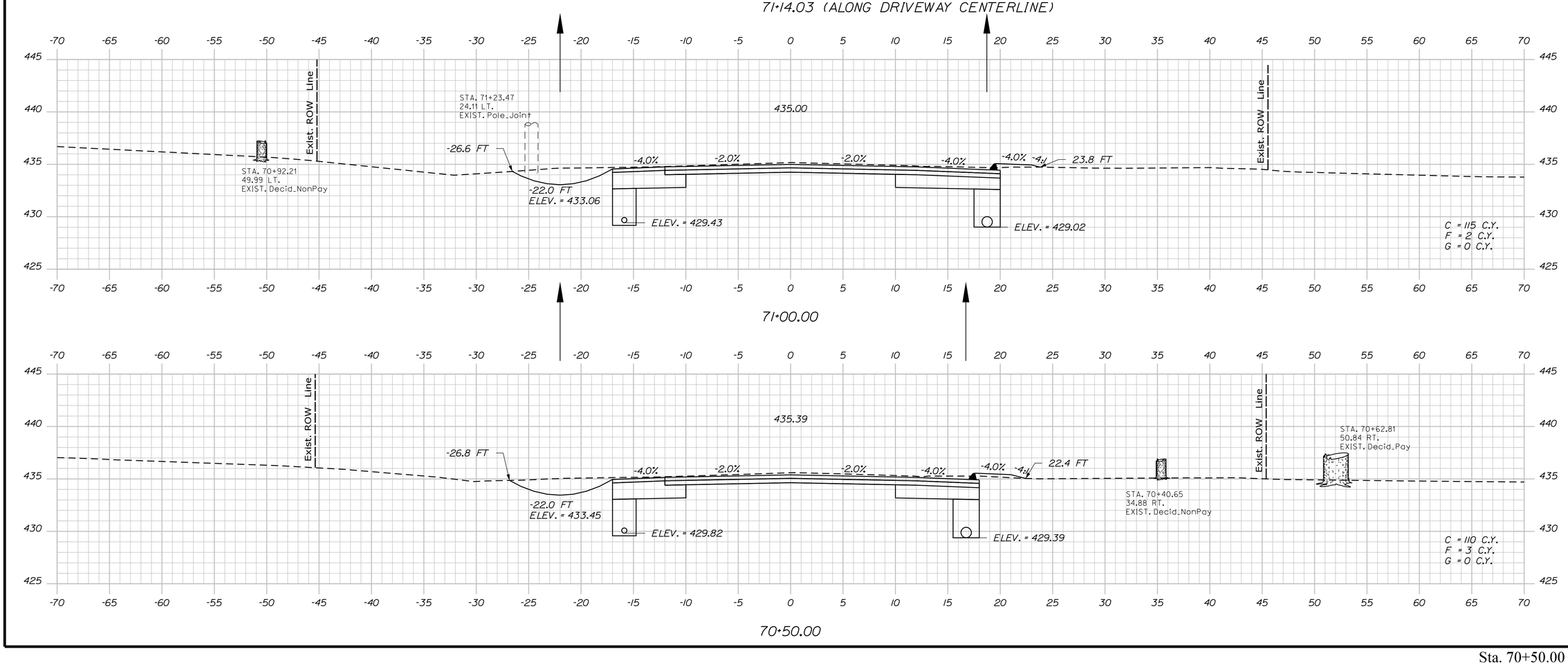
132

OF 364

Sta. 69+00.00 to Sta. 70+00.00



71+14.03 (ALONG DRIVEWAY CENTERLINE)



Sta. 70+50.00 to Sta. 71+14.03

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	----
DESIGN-DETAILED	M. DEBOWSKI	----
CHECKED-REVIEWED	----	----
DESIGN2-DETAILED2	----	----
DESIGN3-DETAILED3	----	----
REVISIONS 1	----	----
REVISIONS 2	----	----
REVISIONS 3	----	----
REVISIONS 4	----	----
FIELD CHANGES	----	----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

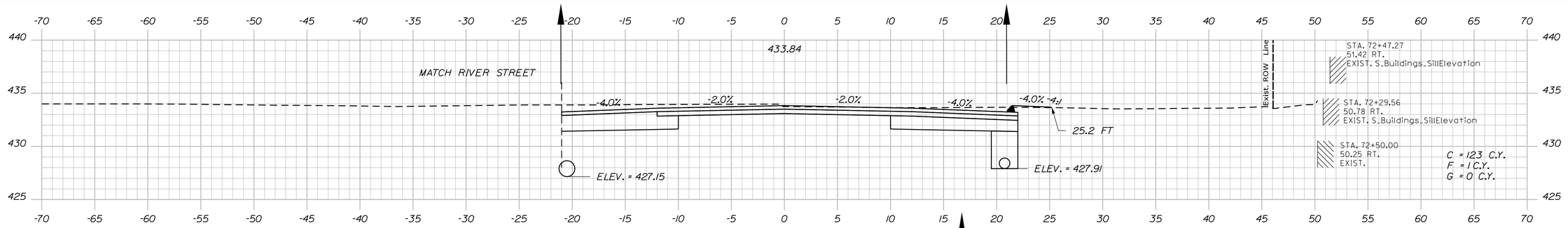
CROSS SECTIONS

SHEET NUMBER

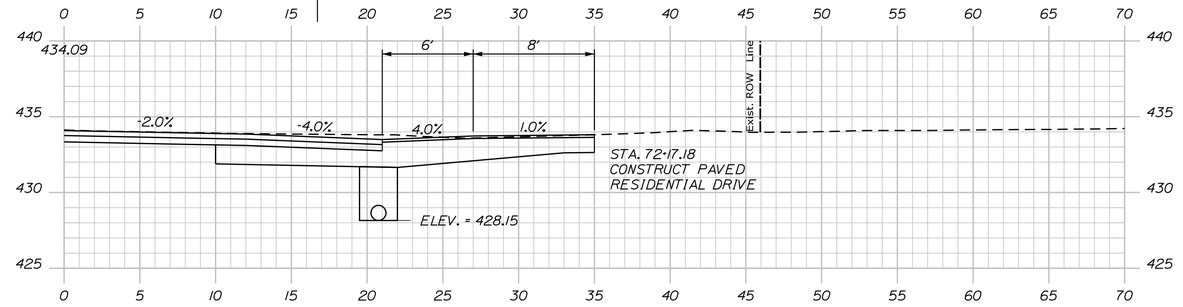
133

OF 364

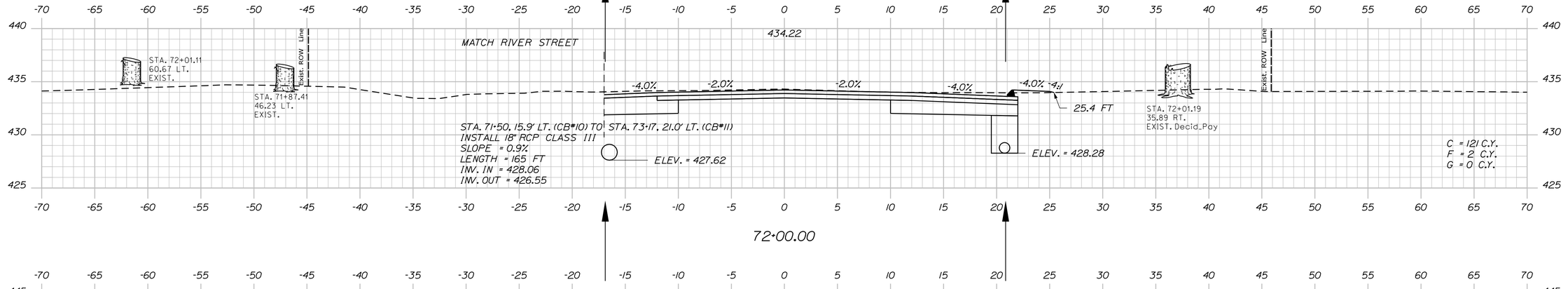
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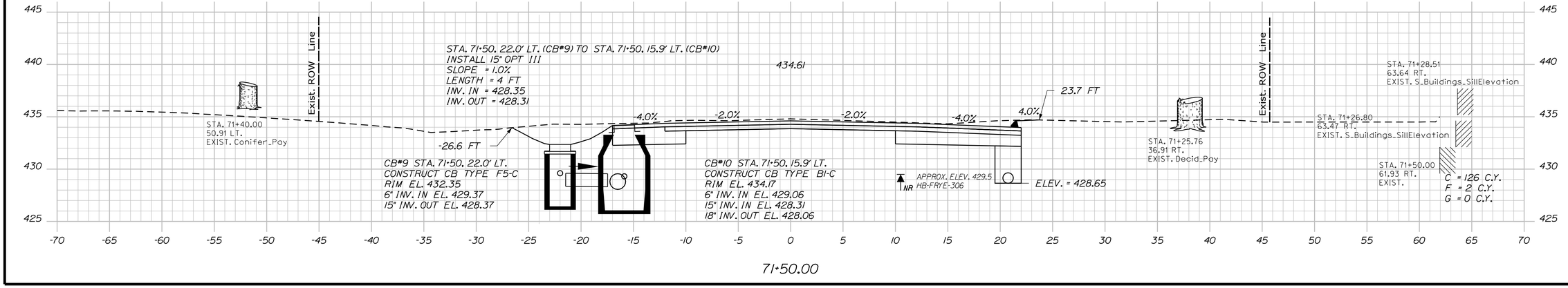
72+50.00



72+17.18 (ALONG DRIVEWAY CENTERLINE)



72+00.00



71+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

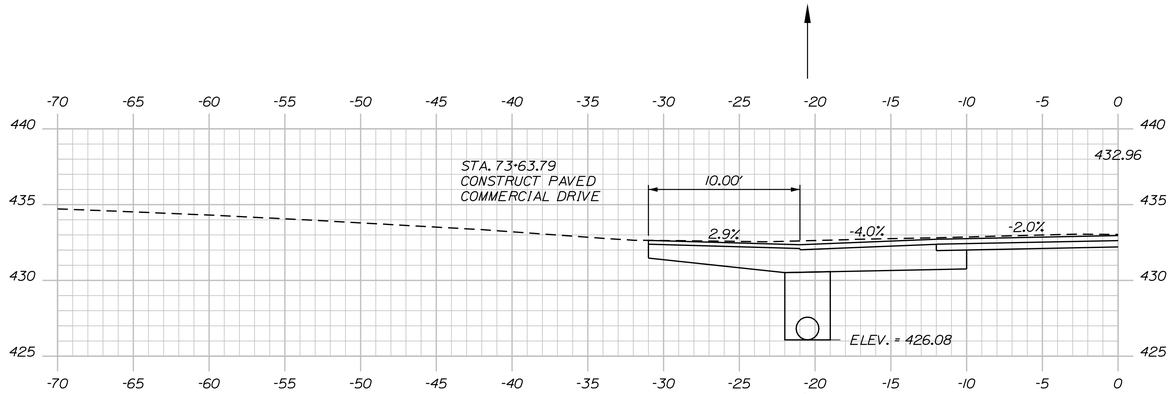
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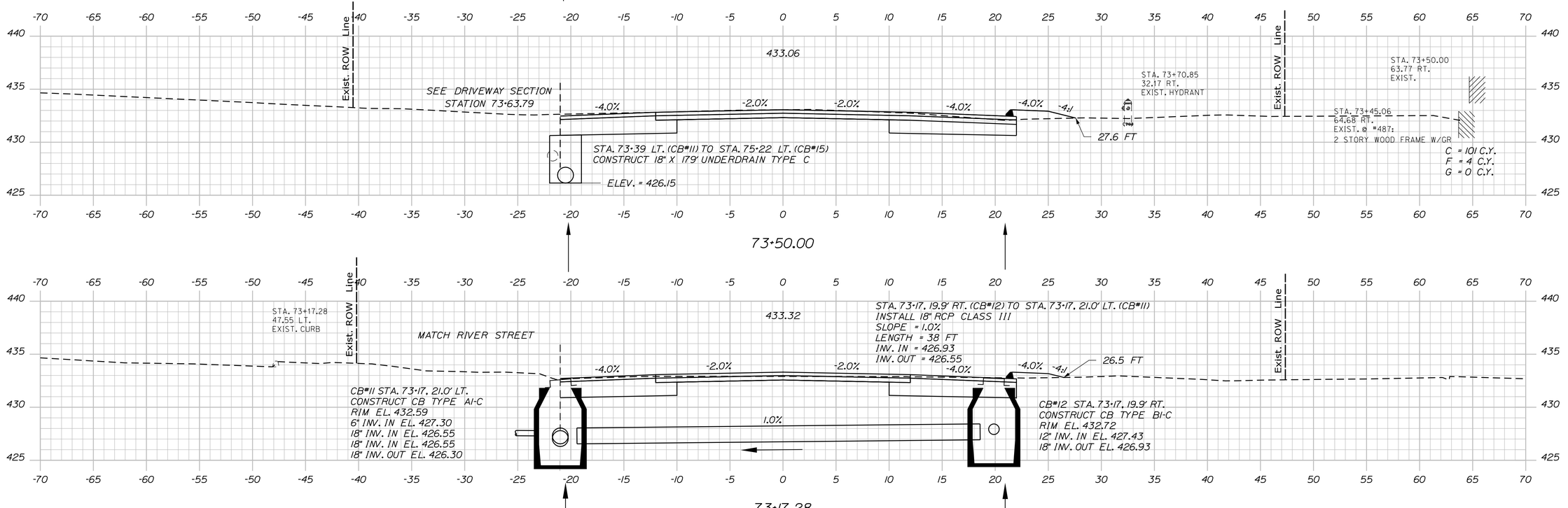
134

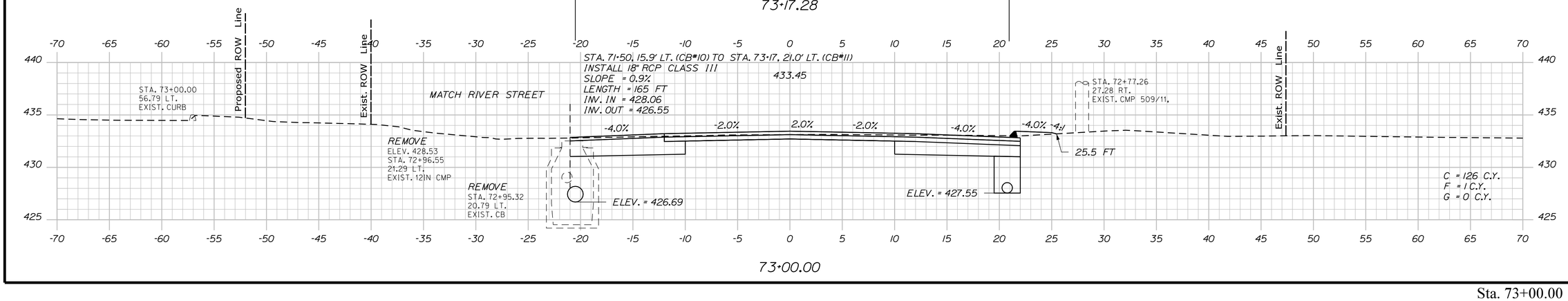
OF 364

Sta. 71+50.00 to Sta. 72+50.00

Filename: ...\MSTA\134_XSECT_71+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

HIGHWAY PLANS

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

FRYEBURG
US ROUTE 302

CROSS SECTIONS

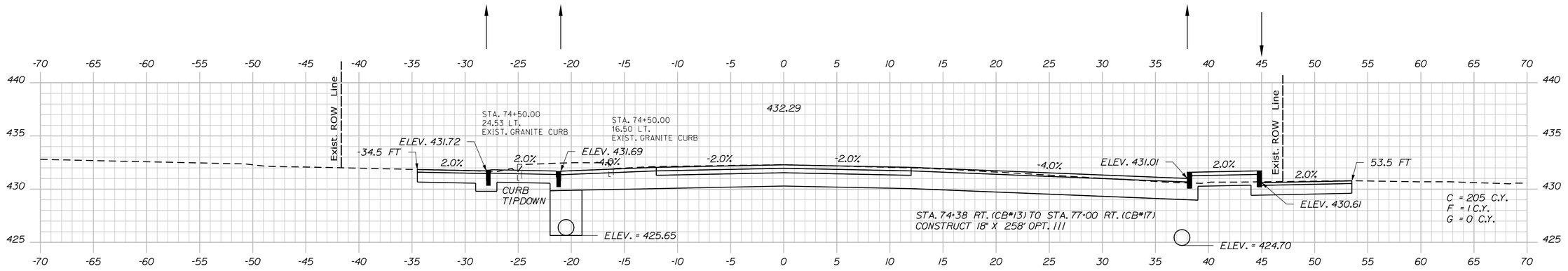
SHEET NUMBER

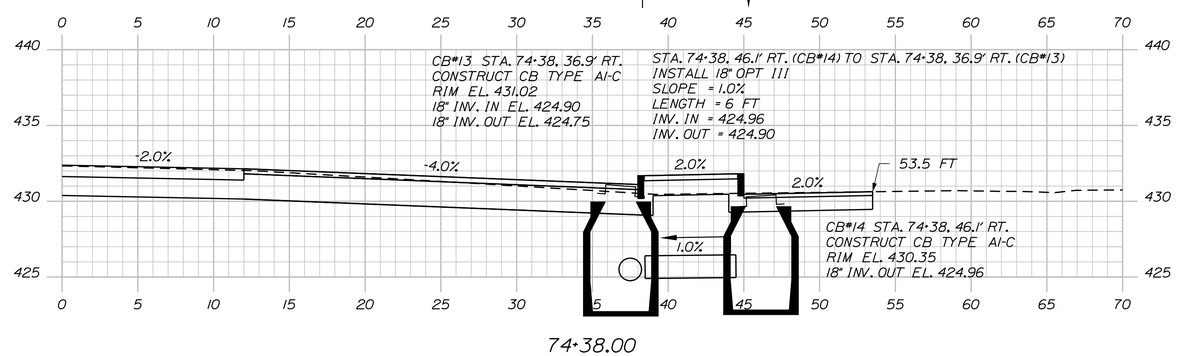
135

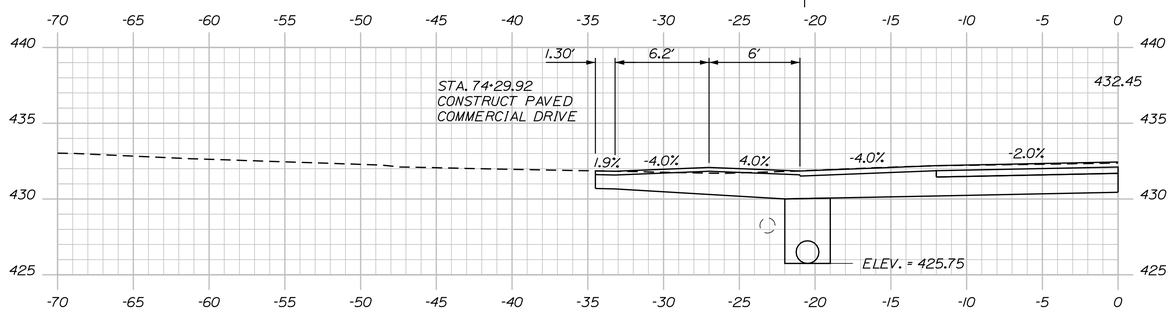
OF 364

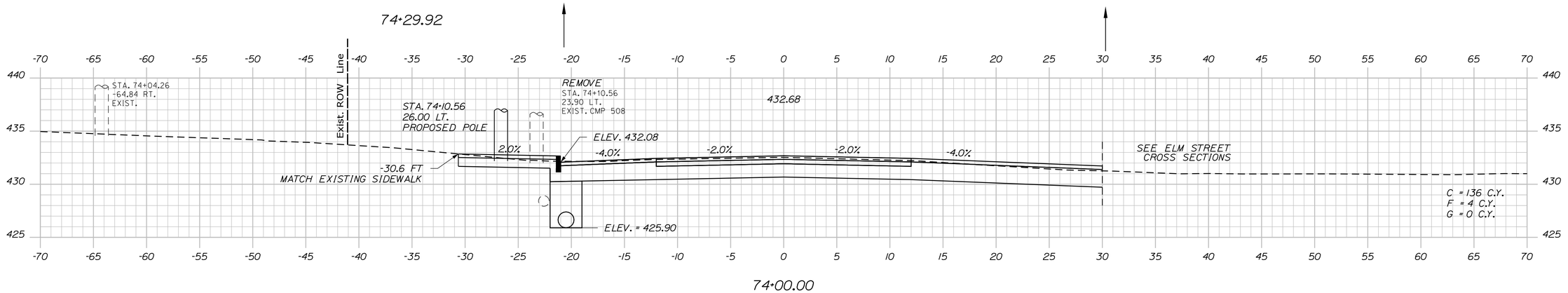
Sta. 73+00.00 to Sta. 73+63.79

Filename: ...\MSTA\135_XSECT_73+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
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

FRYEBURG
US ROUTE 302

CROSS SECTIONS

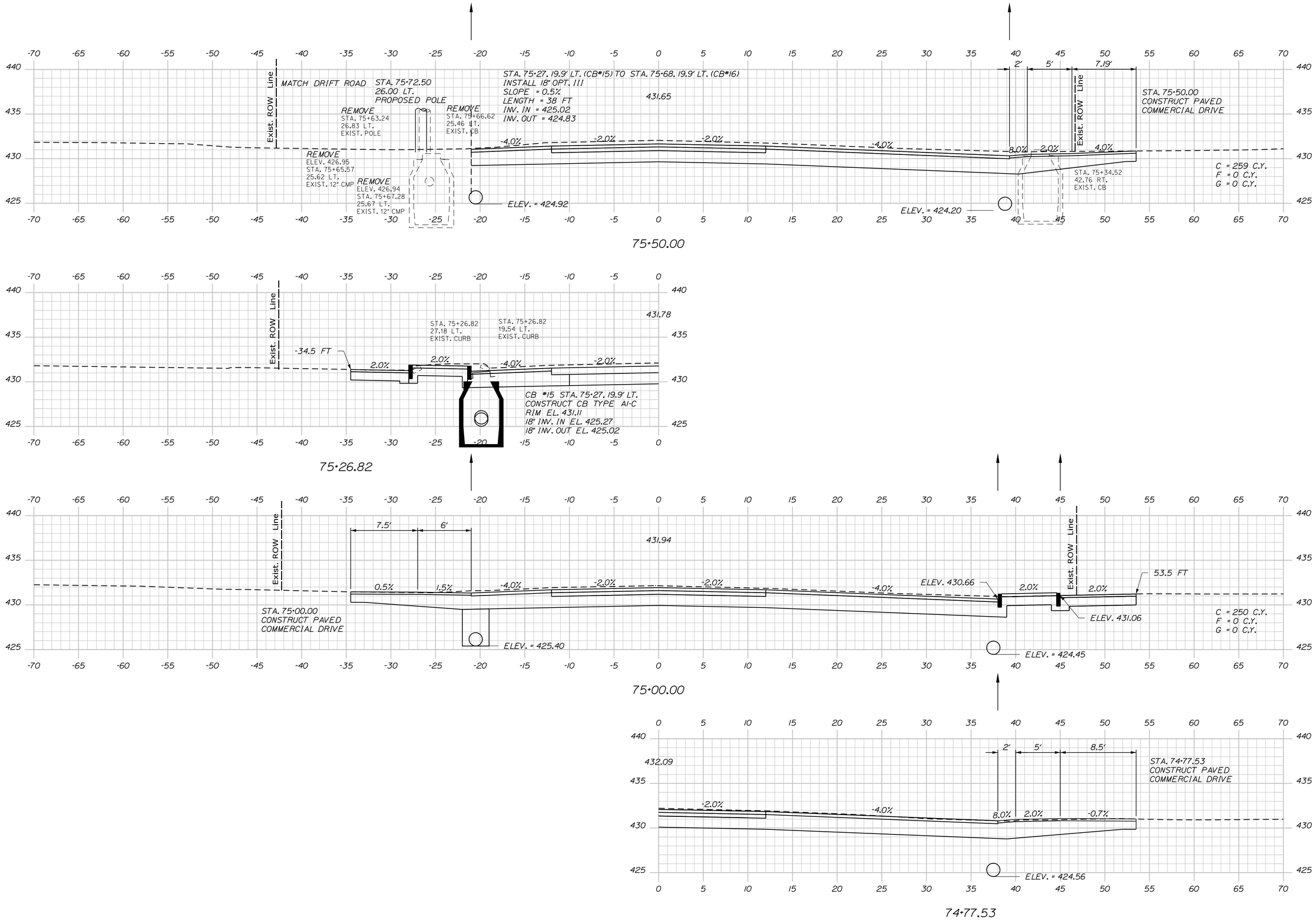
SHEET NUMBER

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OF 364

Sta. 74+00.00 to Sta. 74+50.00

Filename: ...\MSTA\136_XSECT_74+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

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

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

137

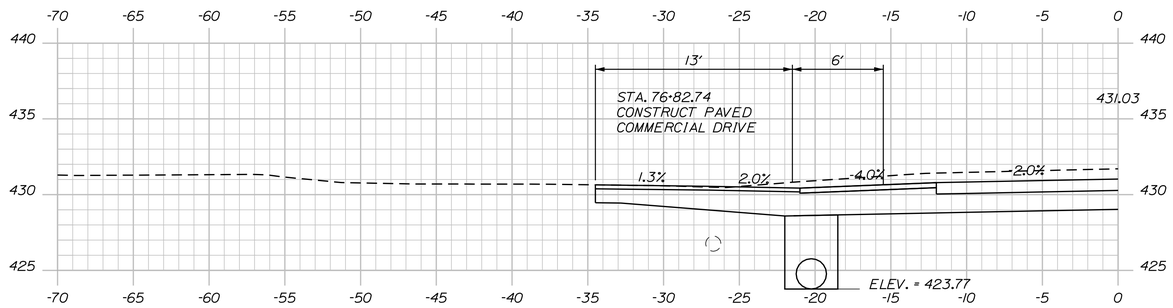
OF 364

Sta. 74+77.53 to Sta. 75+50.00

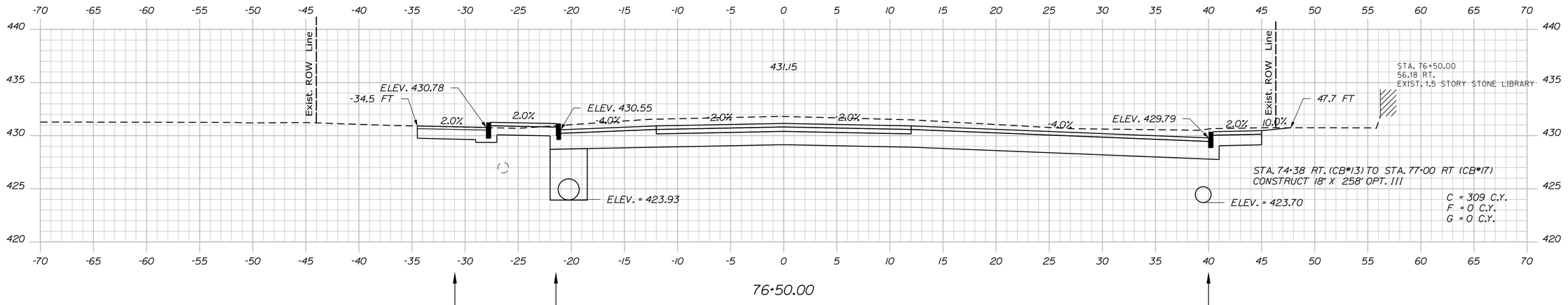
Username: mdebowski Date:12/10/2018

Division: HIGHWAY

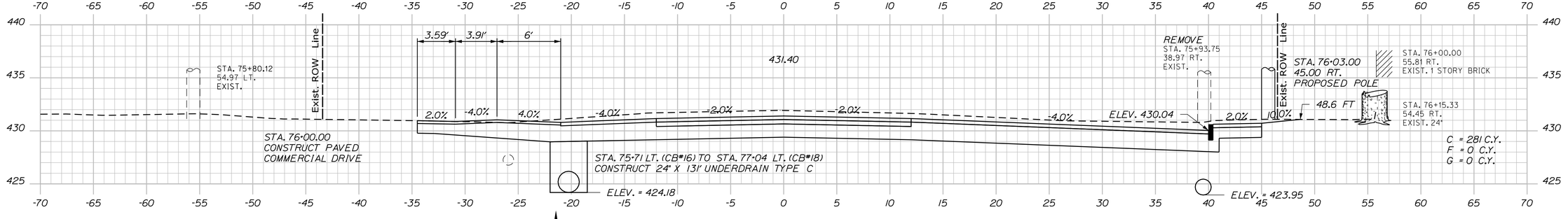
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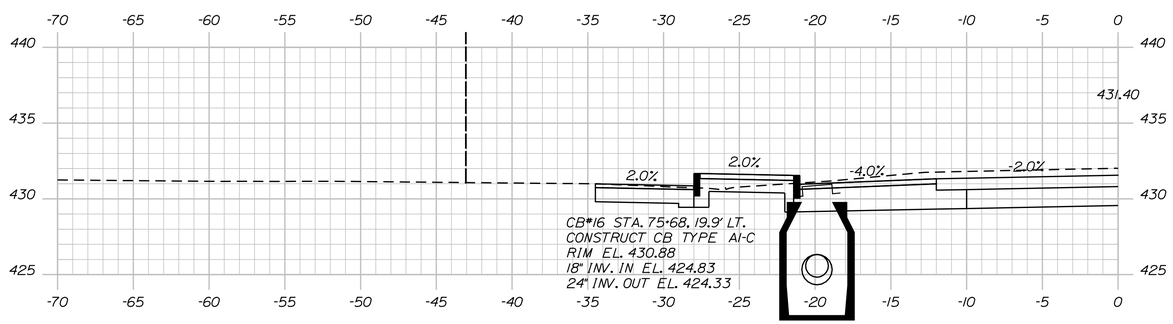
76+82.74



76+50.00



76+00.00



75+68.32

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

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	$fieldchange$		$fieldchdate$

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

FRYEBURG
US ROUTE 302

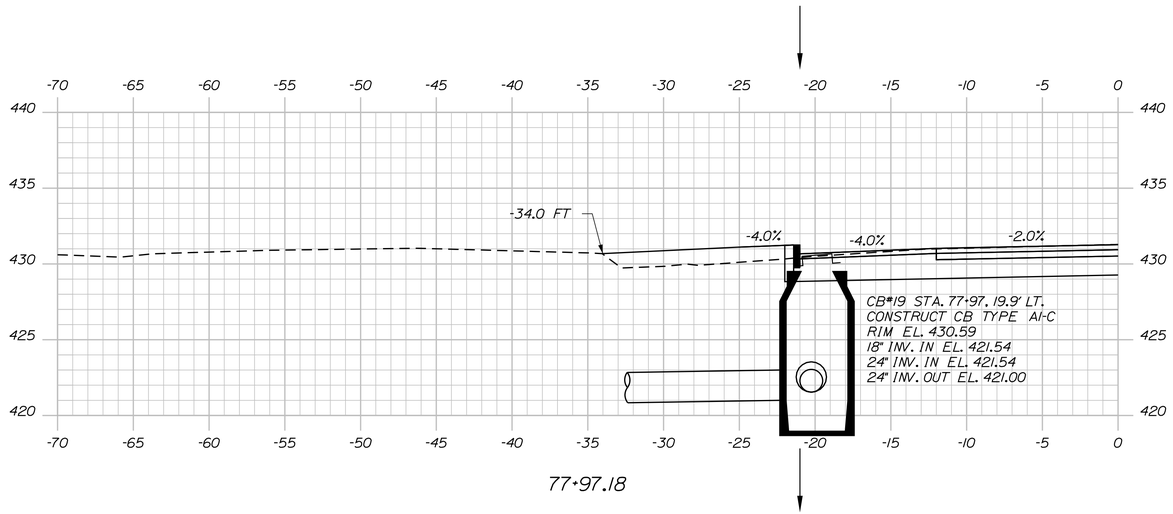
CROSS SECTIONS

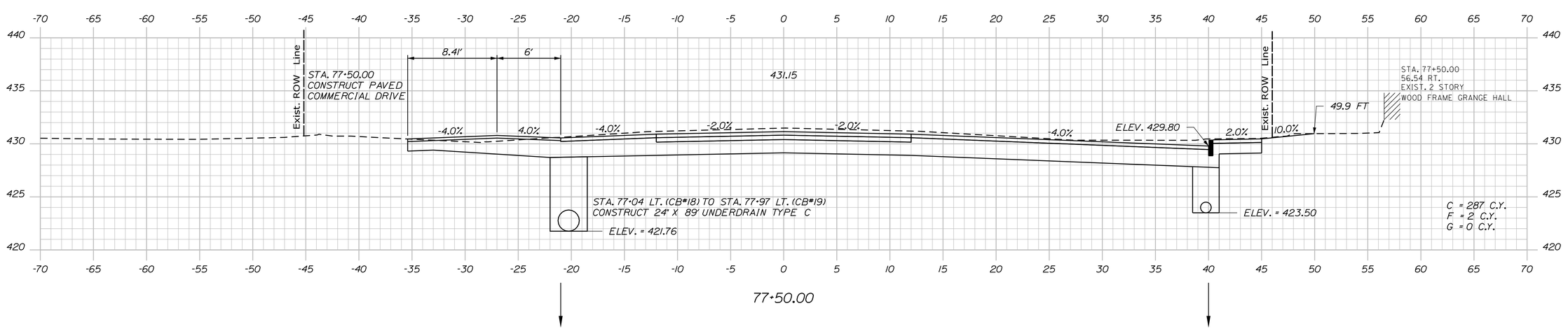
SHEET NUMBER
138
OF 364

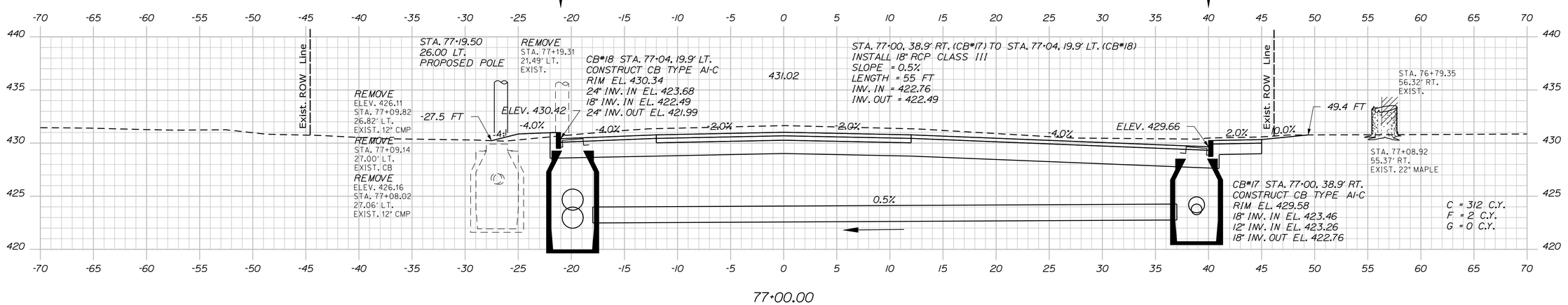
Sta. 75+70.50 to Sta. 76+82.74

Username: mdebowski Date:12/10/2018
Division: HIGHWAY
Filename: ...\MSTA\138_XSECT_75+71.dgn

Filename: ...\MSTA\139_XSECT_77+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

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

FRYEBURG
US ROUTE 302

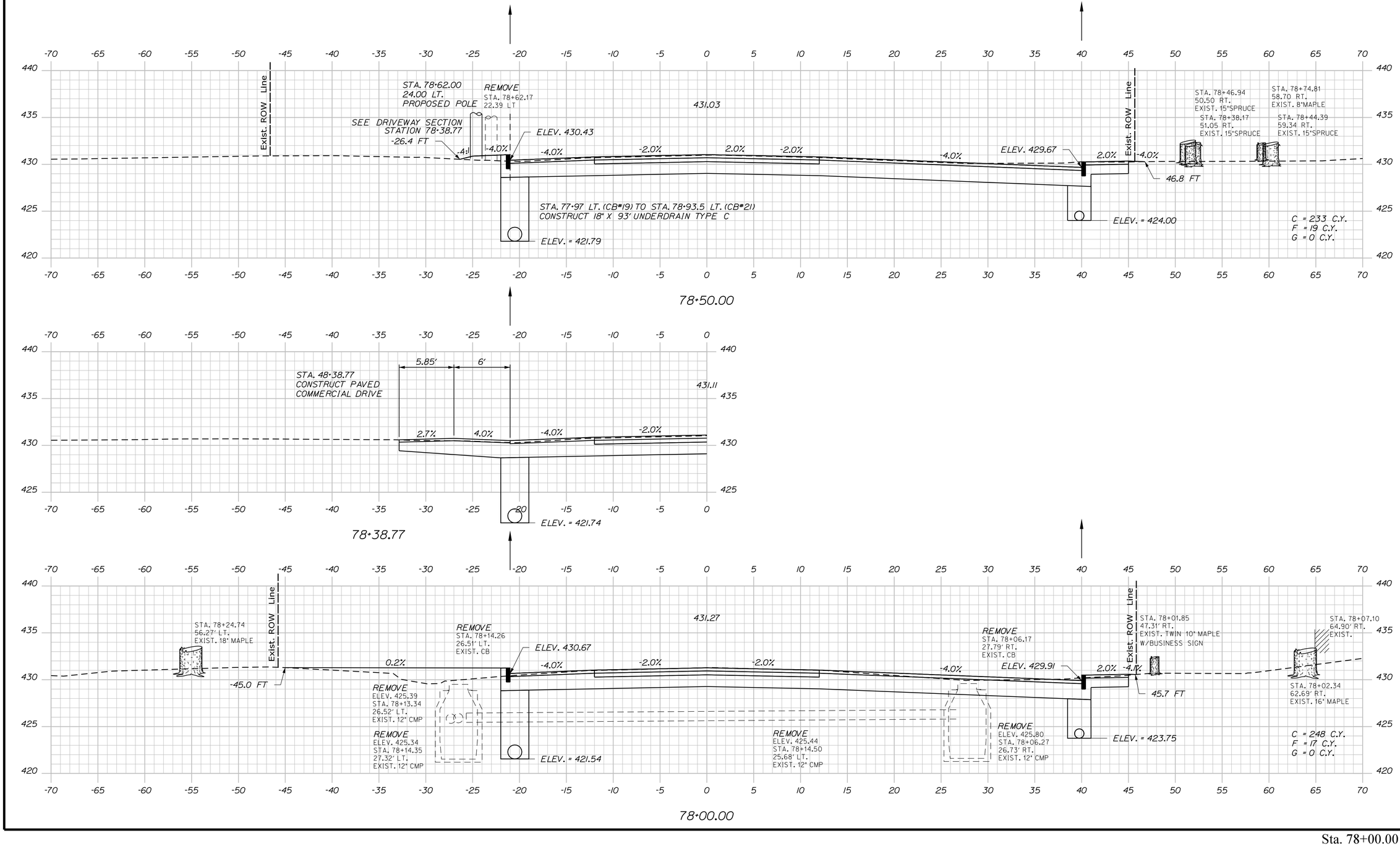
CROSS SECTIONS

SHEET NUMBER

139

OF 364

Sta. 77+00.00 to Sta. 77+97.18



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

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	_____	_____	_____
REVISIONS 2	$revision3$	_____	_____
REVISIONS 3	$revision3$	$revision3$	$revdate3$
REVISIONS 4	$revision4$	$revision4$	$revdate4$
FIELD CHANGES	$fieldchange$	$fieldchange$	$fieldchange$

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

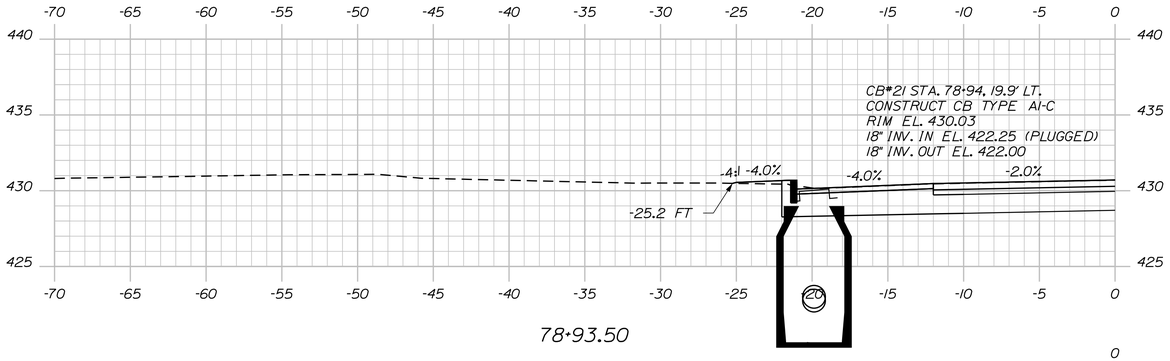
SHEET NUMBER

140

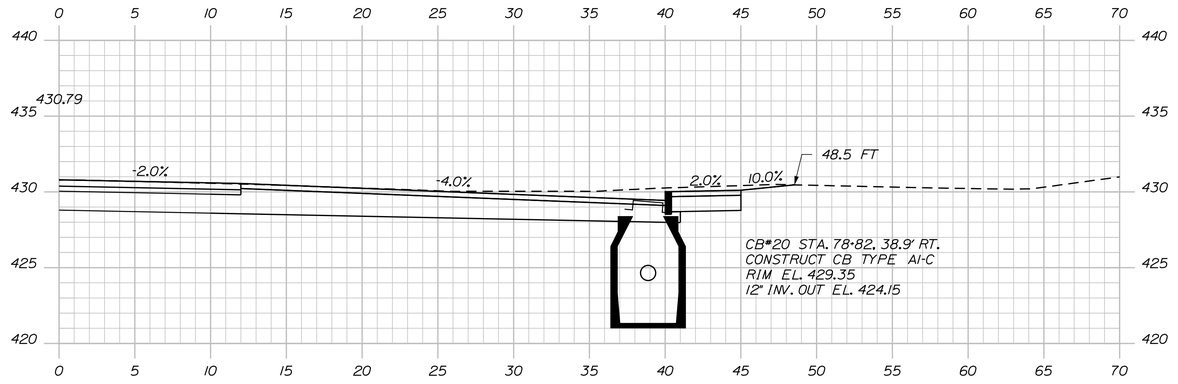
OF 364

Sta. 78+00.00 to Sta. 78+50.00

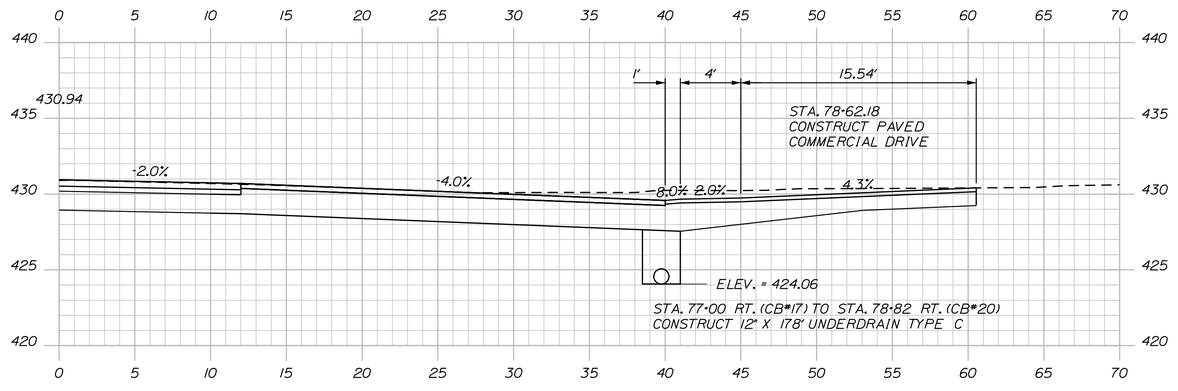
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78+93.50



78+82.00



78+62.18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. ____

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

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

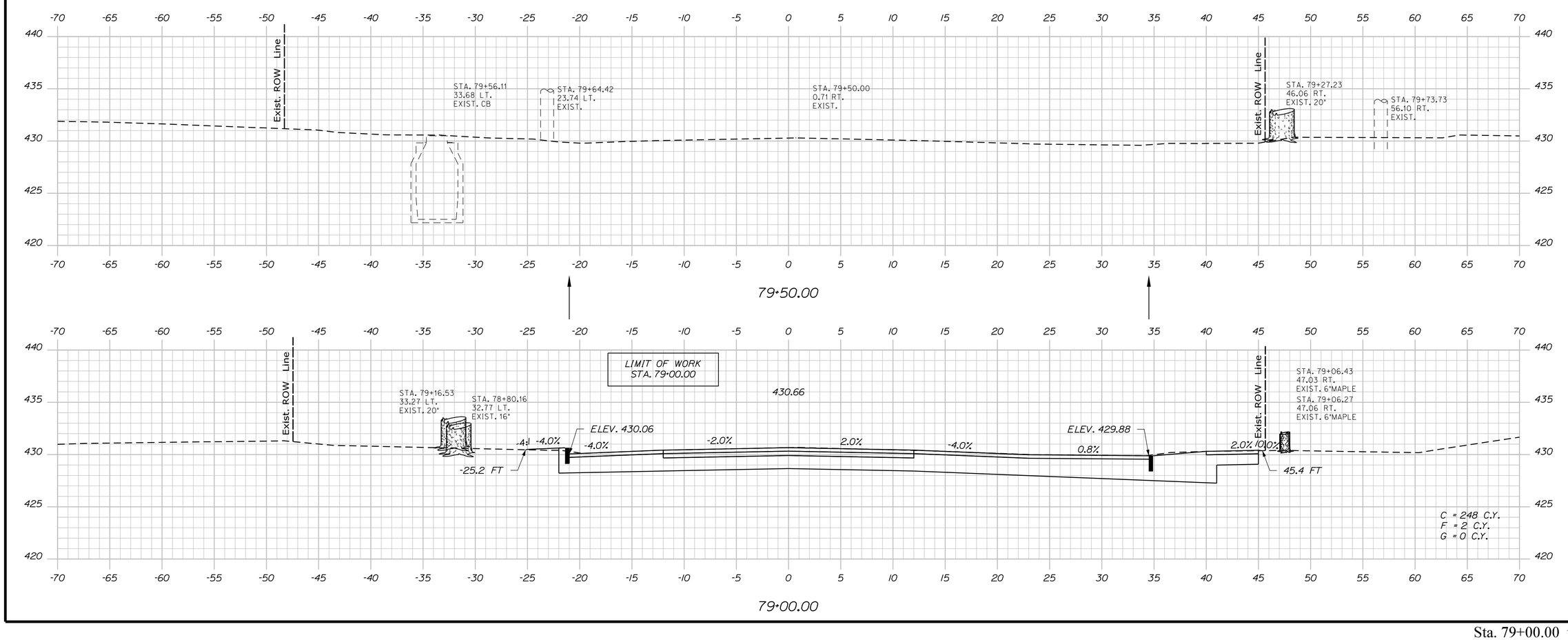
141

OF 364

Filename: ...\MSTA\141_XSECT_78+62.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 78+62.18 to Sta. 78+93.50

Filename: ...\MSTA\142_XSECT_79+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
WIN 17280.00

BRIDGE NO. _____ HIGHWAY PLANS

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

FRYEBURG
US ROUTE 302

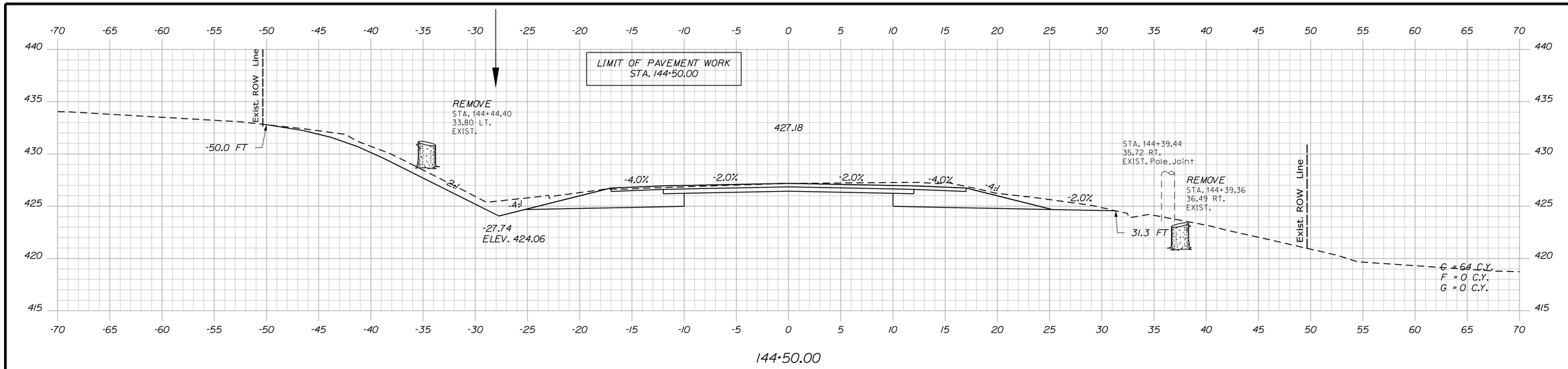
CROSS SECTIONS

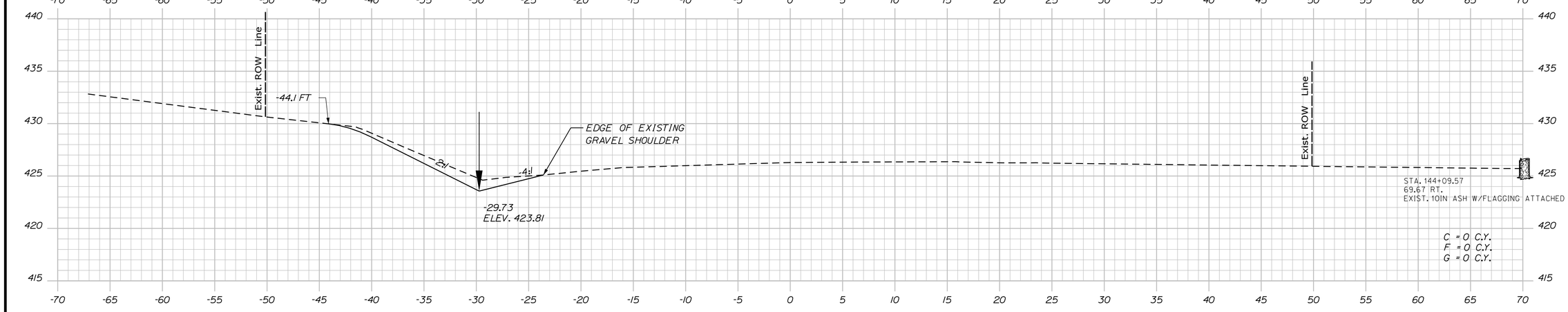
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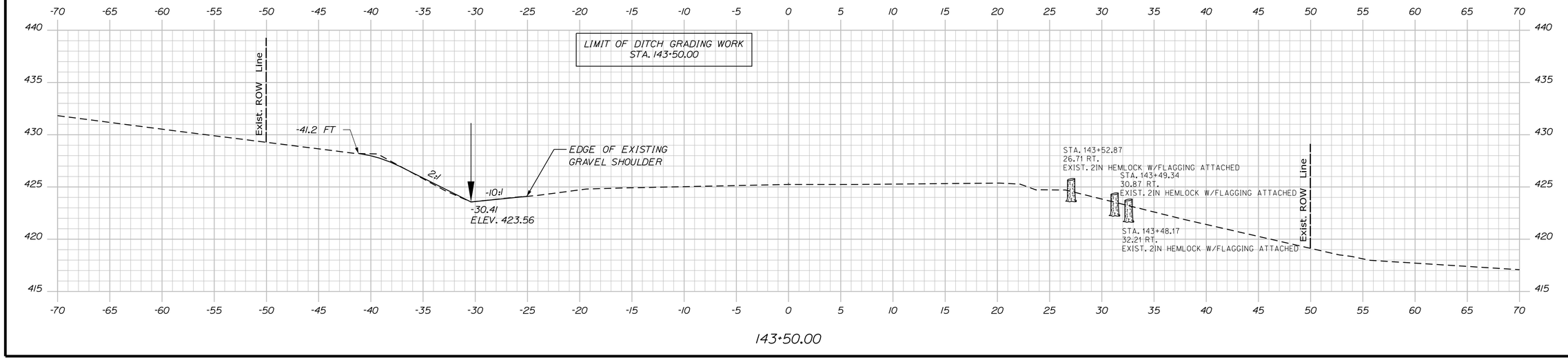
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Sta. 79+00.00 to Sta. 79+50.00







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

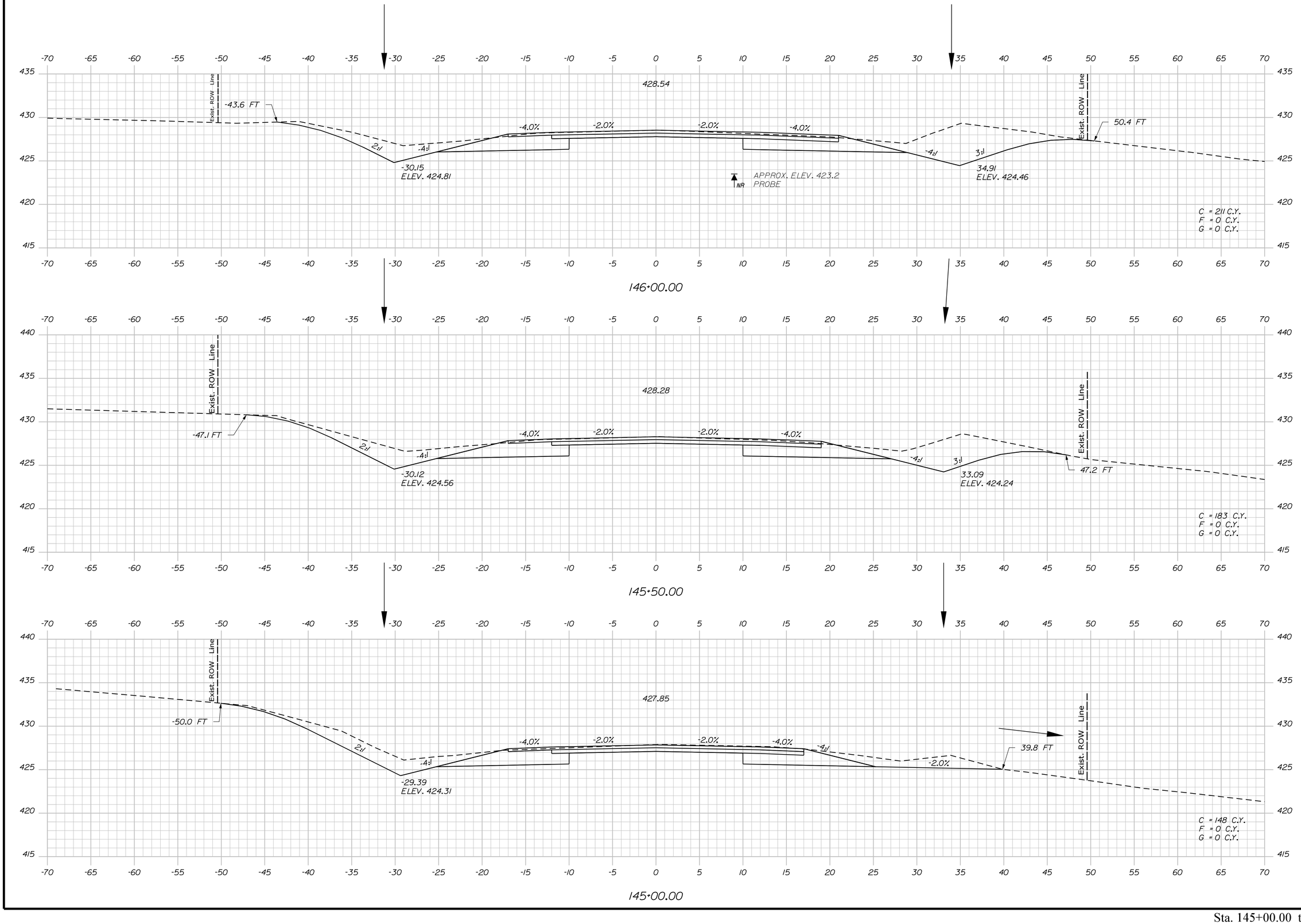
SHEET NUMBER

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OF 364

Sta. 143+50 to Sta. 144+50.00

Filename: ...\MSTA\143_XSECT_143+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

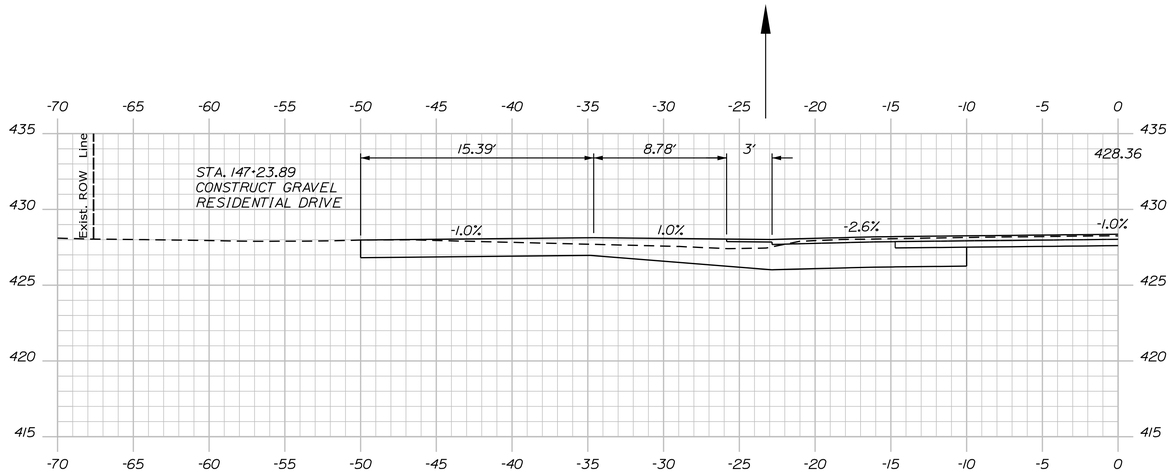
SHEET NUMBER

144

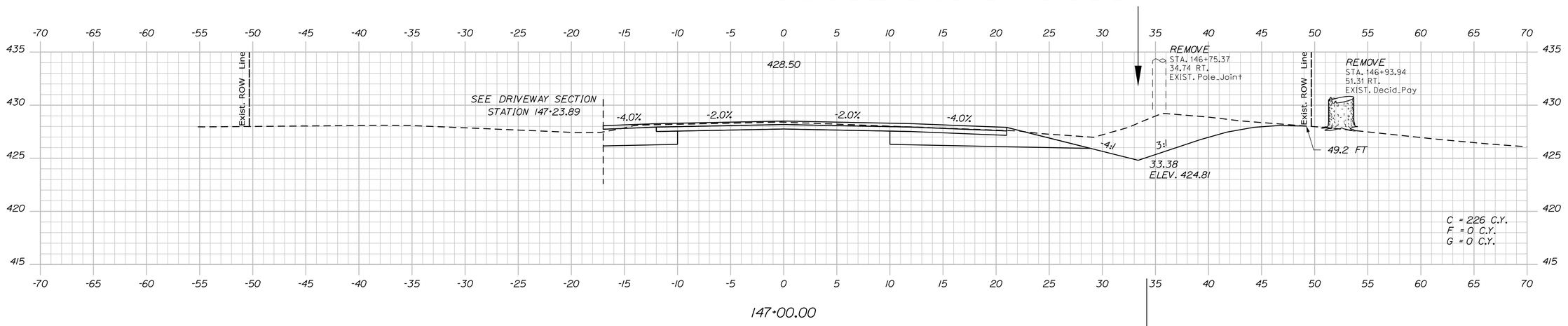
OF 364

Sta. 145+00.00 to Sta. 146+00.00

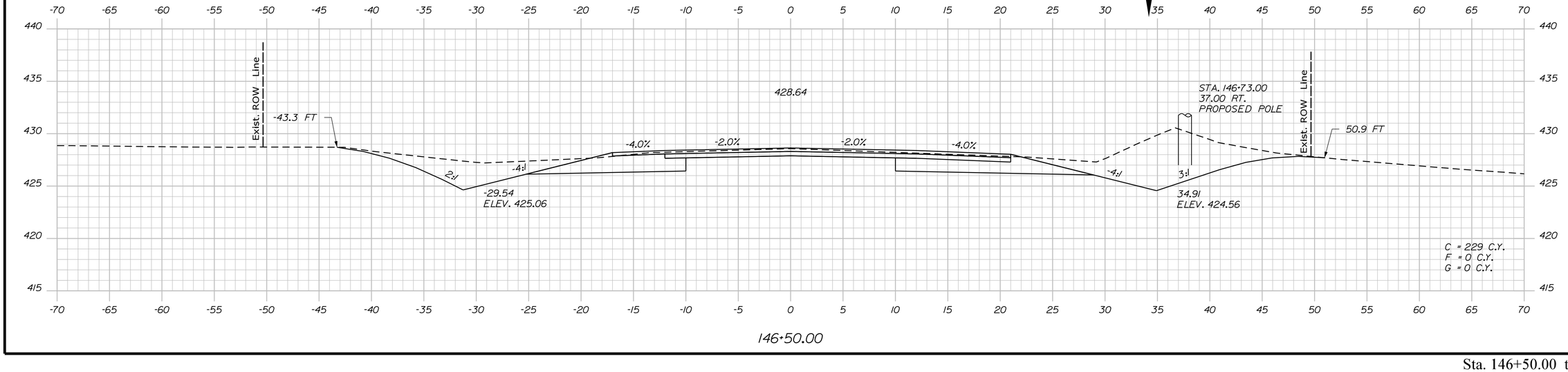
Filename: ...\MSTA\144_XSECT_145+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



147+23.89 (SKEWED ALONG DRIVEWAY CENTERLINE)



147+00.00



146+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL	----------	------
DESIGN-DETAILED	M. DEBOWSKI	----------	------
CHECKED-REVIEWED	-----	----------	------
DESIGN2-DETAILED2	-----	----------	------
DESIGN3-DETAILED3	-----	----------	------
REVISIONS 1	-----	----------	------
REVISIONS 2	-----	----------	------
REVISIONS 3	-----	----------	------
REVISIONS 4	-----	----------	------
FIELD CHANGES	-----	----------	------

BY | DATE | SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

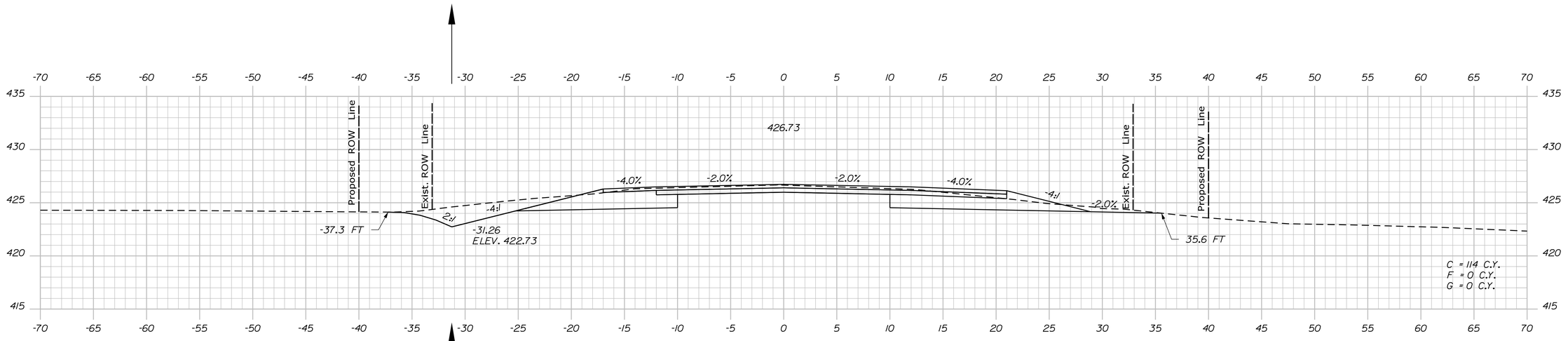
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145

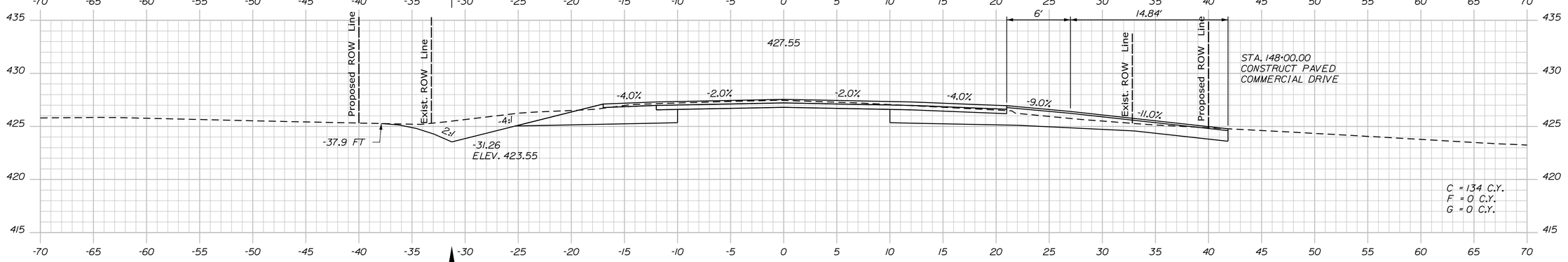
OF 364

Sta. 146+50.00 to Sta. 147+23.89

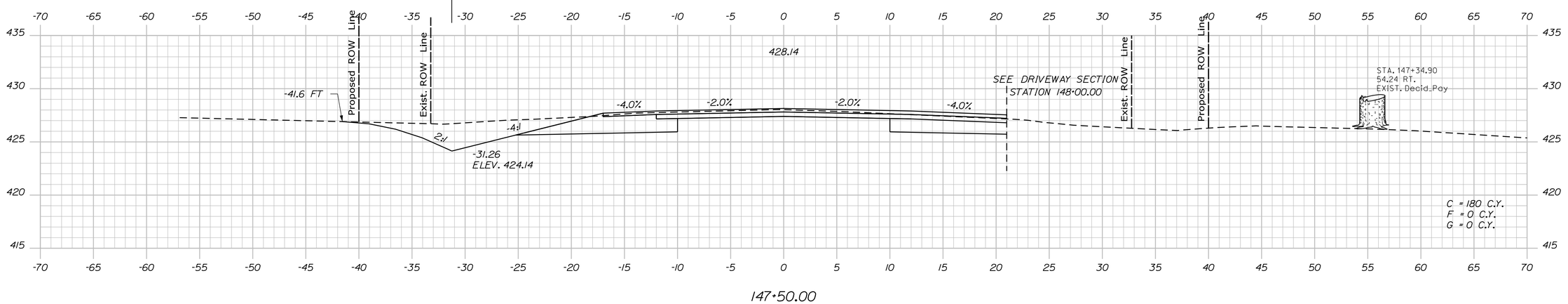
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148+50.00



148+00.00



147+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

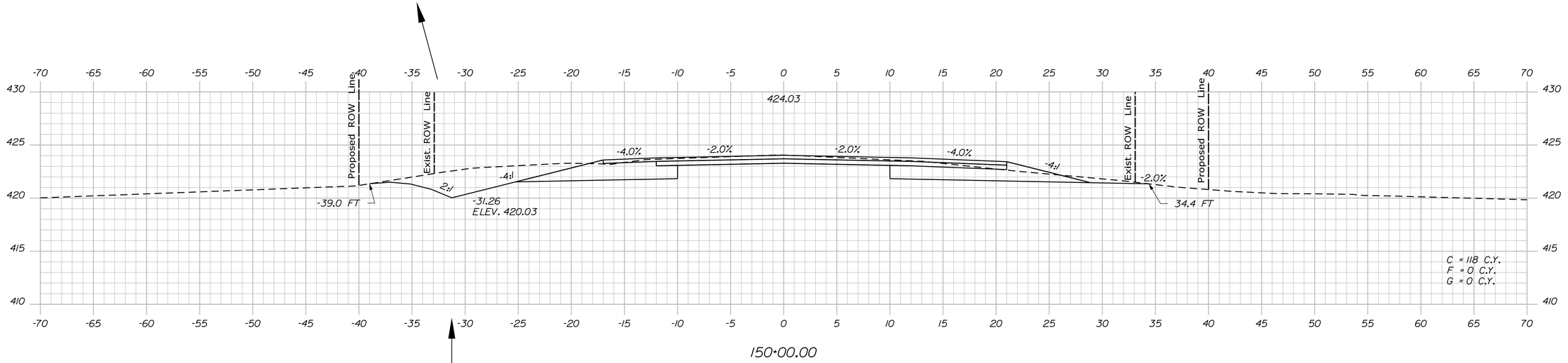
SHEET NUMBER

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OF 364

Sta. 147+50.00 to Sta. 148+50.00

Filename: ...\MSTA\146_XSECT_147+50.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

147

OF 364

Sta. 149+00.00 to Sta. 150+00.00

Filename: ...\MSTA\147_XSECT_149+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 150+50.00 to Sta. 151+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

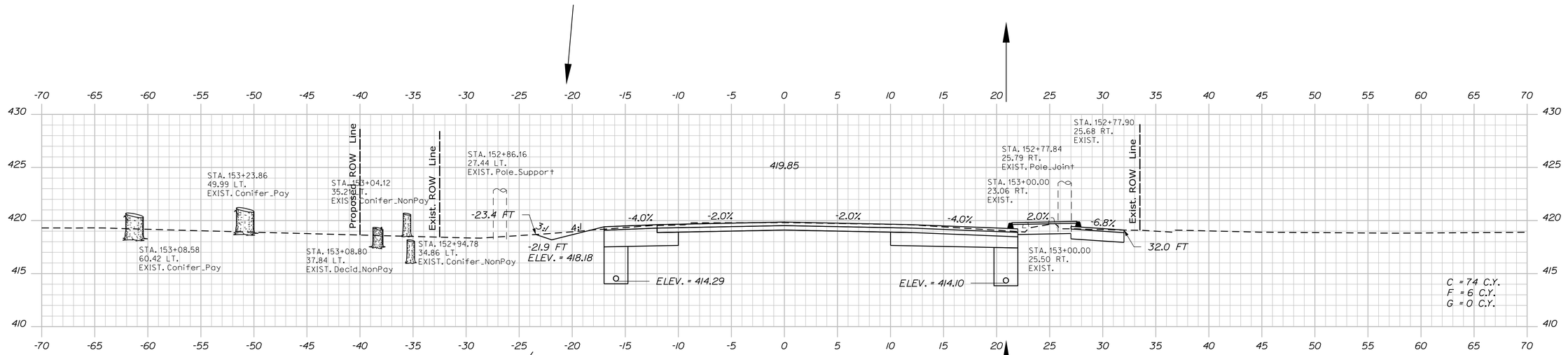
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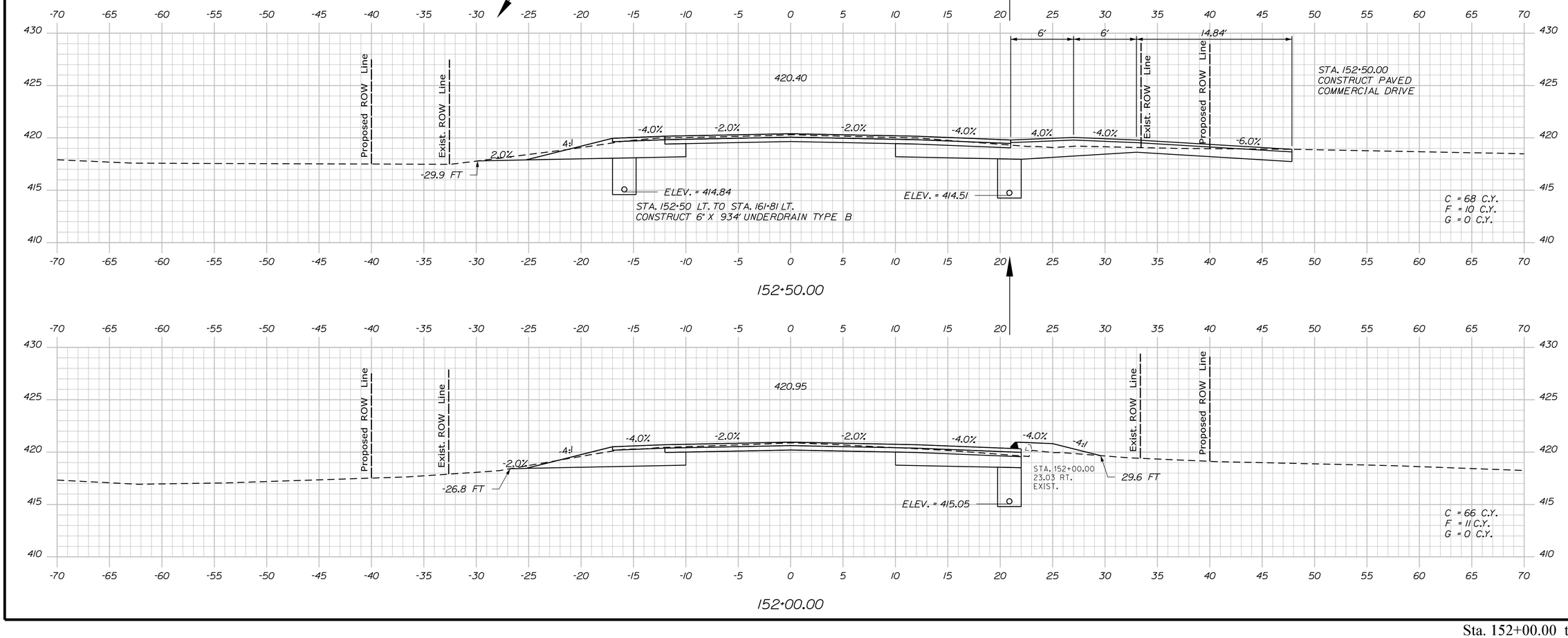
148

OF 364

Filename: ...\MSTA\148_XSECT_150+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\149_XSECT_152-00.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

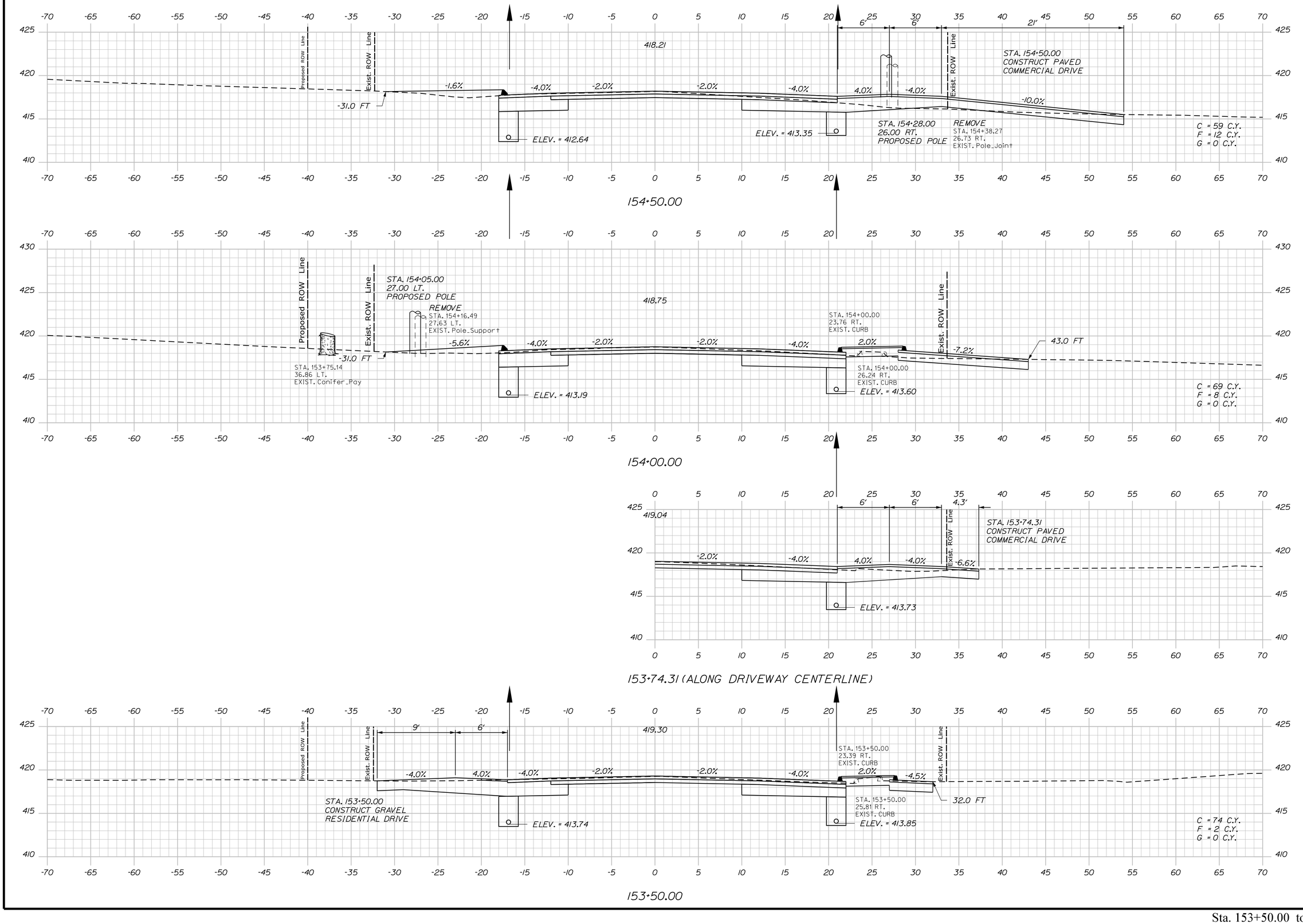
CROSS SECTIONS

SHEET NUMBER

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OF 364

Sta. 152+00.00 to Sta. 153+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

150

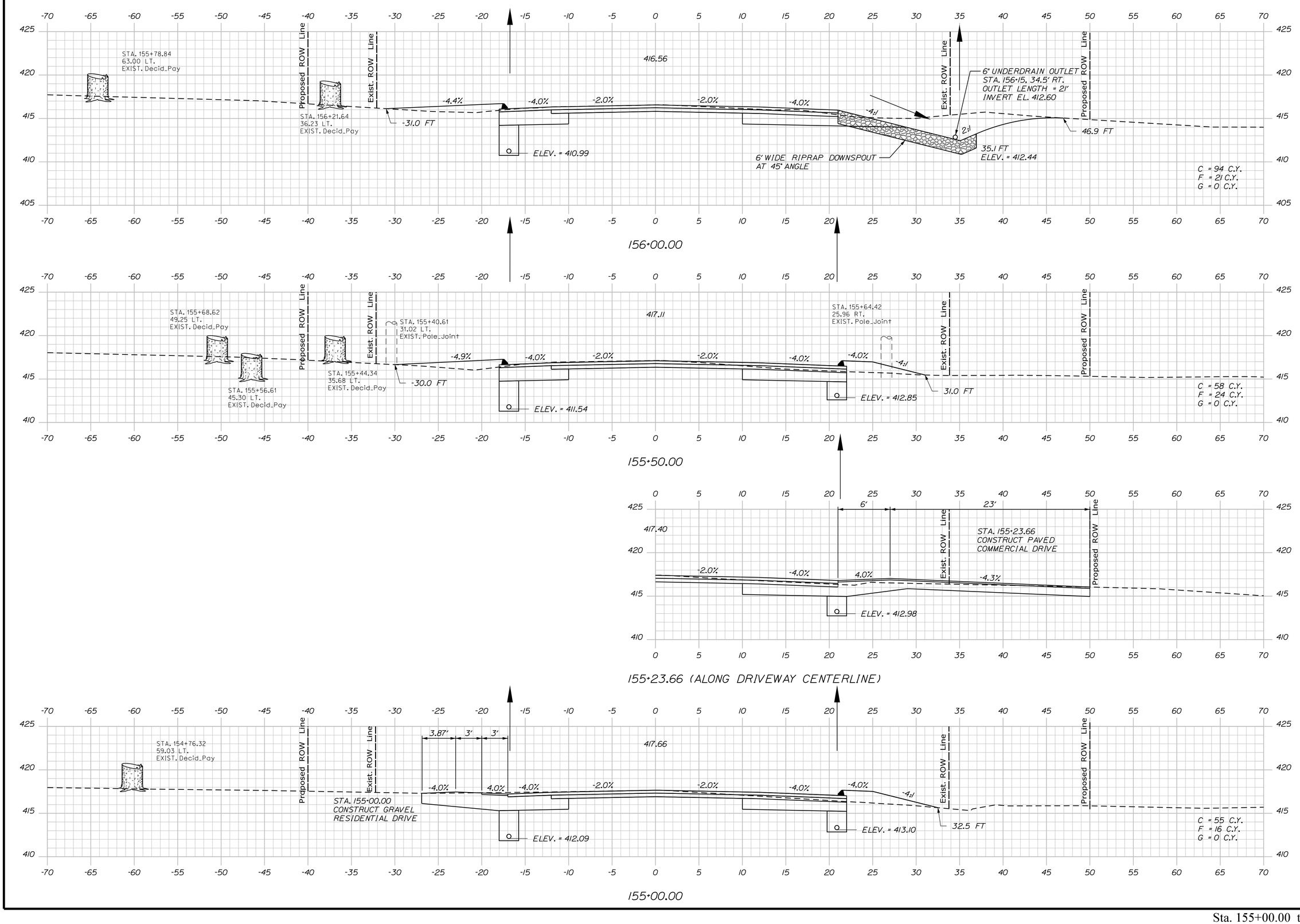
OF 364

Sta. 153+50.00 to Sta. 154+50.00

Username: mdebowski Date:12/10/2018

Division: HIGHWAY

Filename: ...\MSTA\150_XSECT_153+50.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

			DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

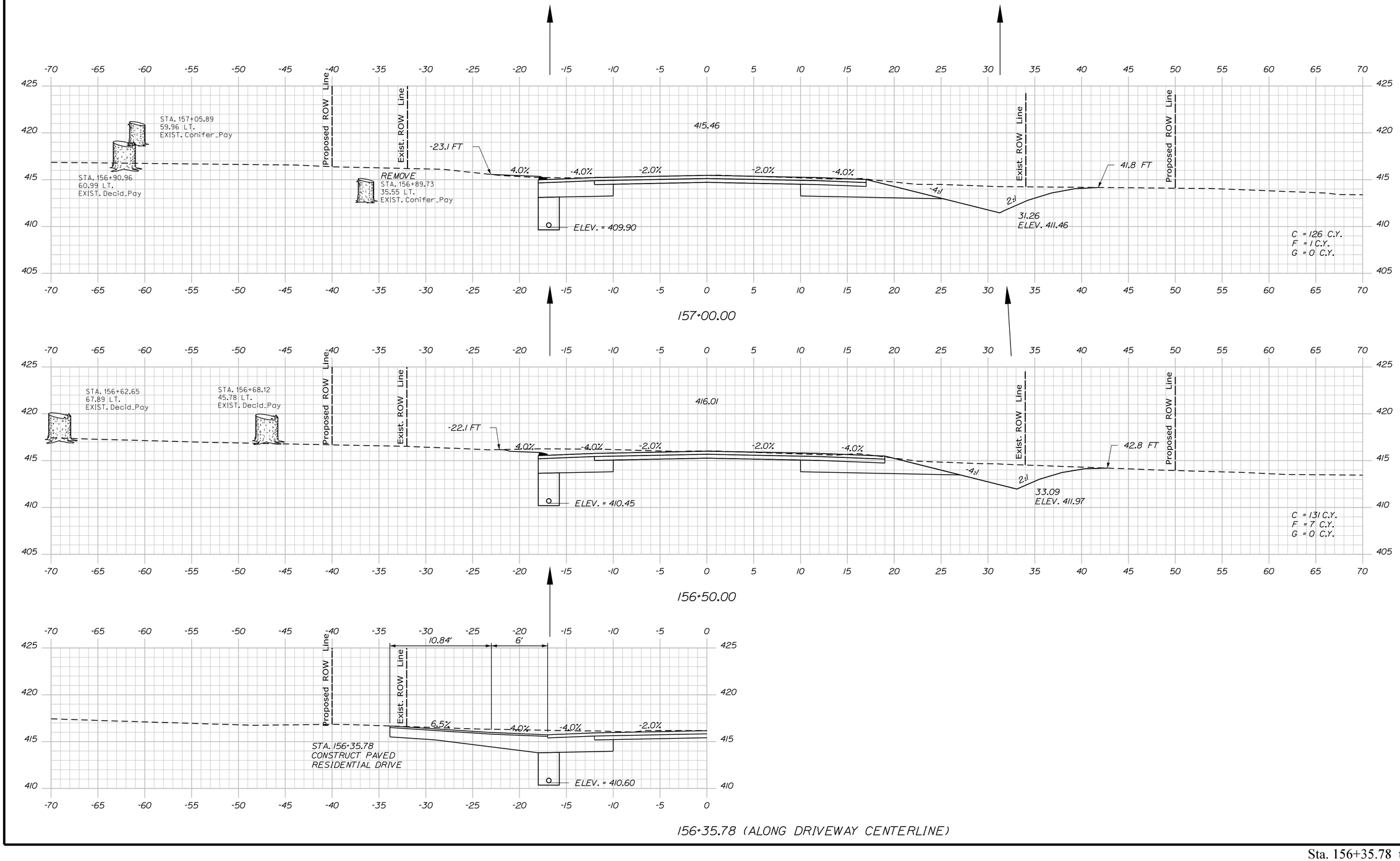
SHEET NUMBER

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OF 364

Sta. 155+00.00 to Sta. 156+00.00

Filename: ...\MSTA\151_XSECT_155+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



Filename: ...\MSTA\152_XSECT_156+35.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

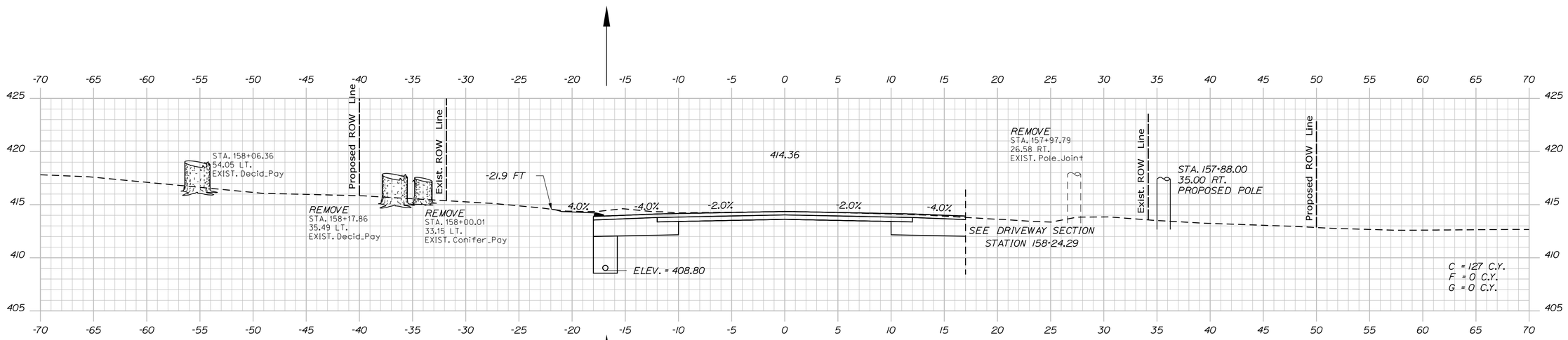
CROSS SECTIONS

SHEET NUMBER

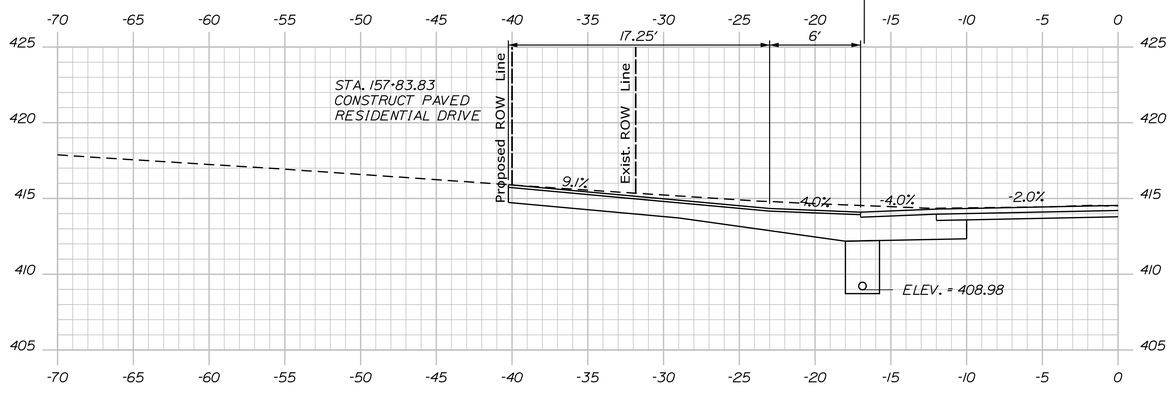
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OF 364

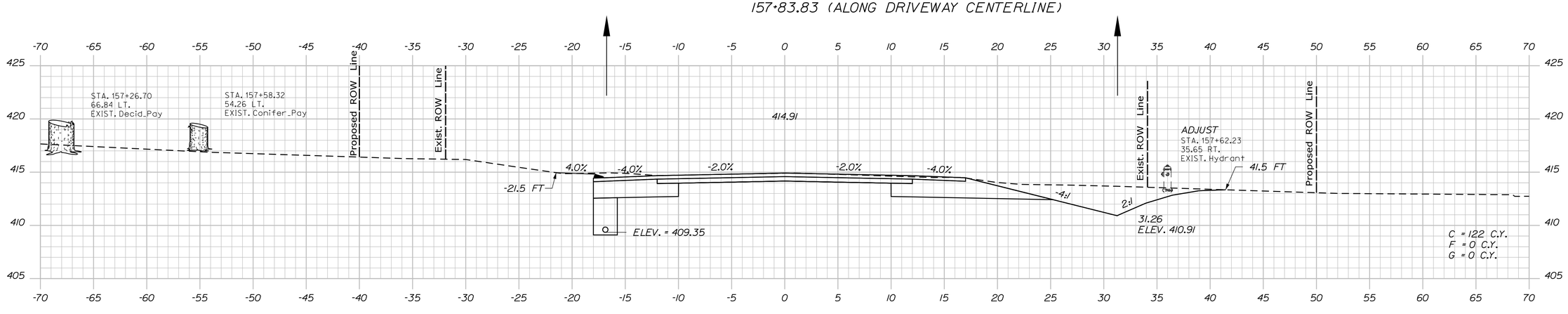
Sta. 156+35.78 to Sta. 157+00.00



158+00.00



157+83.83 (ALONG DRIVEWAY CENTERLINE)



157+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

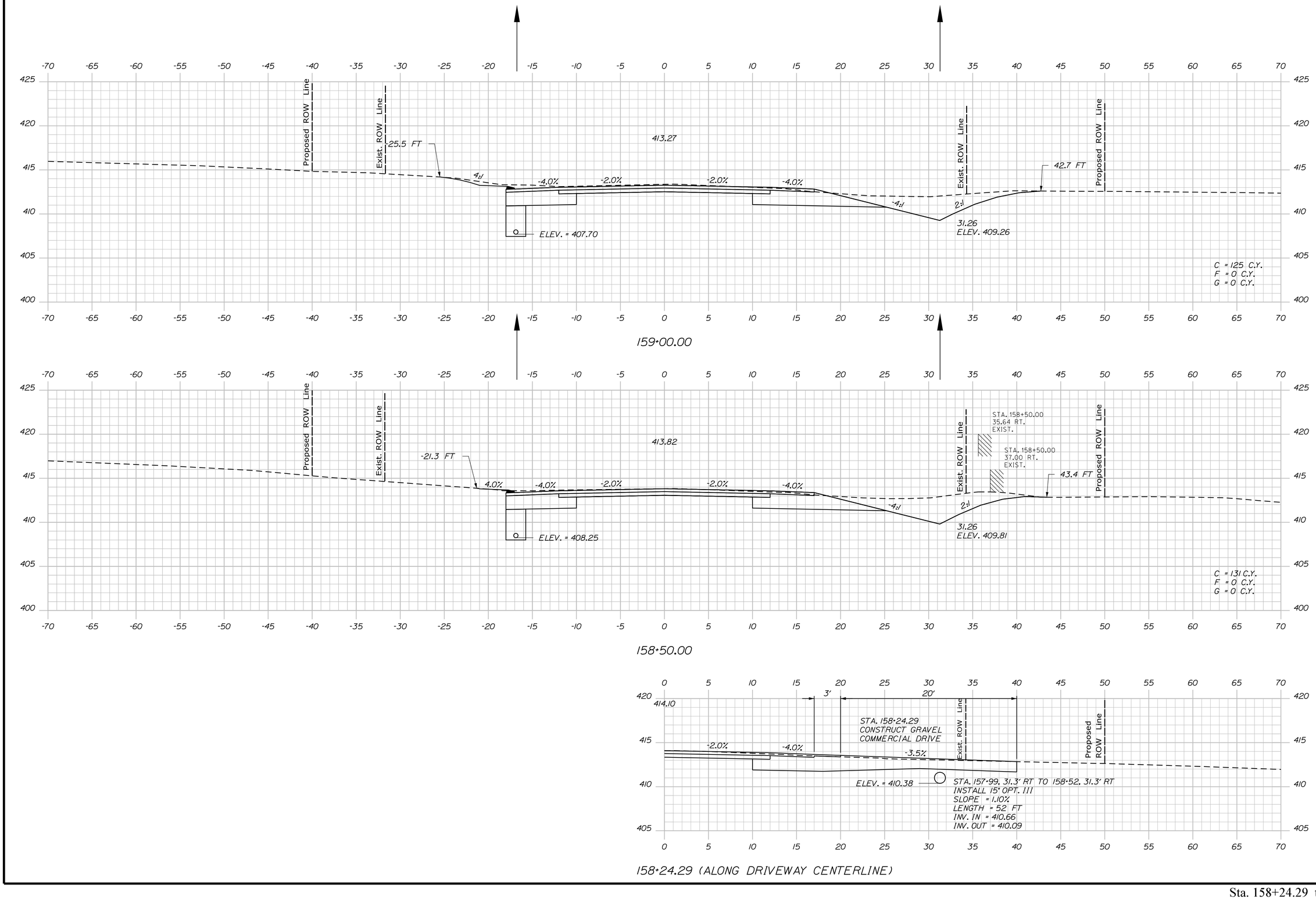
SHEET NUMBER

153

OF 364

Sta. 157+50.00 to Sta. 158+00.00

Filename: ...\MSTA\153_XSECT_157-50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

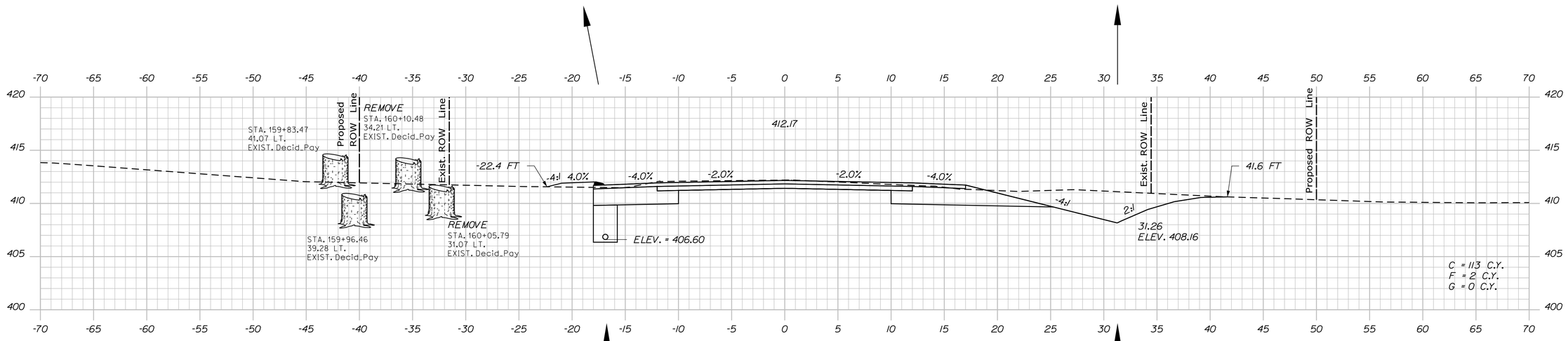
154

OF 364

Filename: ...\MSTA\154_XSECT_158+24.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 158+24.29 to Sta. 159+00.00

Filename: ...\MSTA\155_XSECT_159+18.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

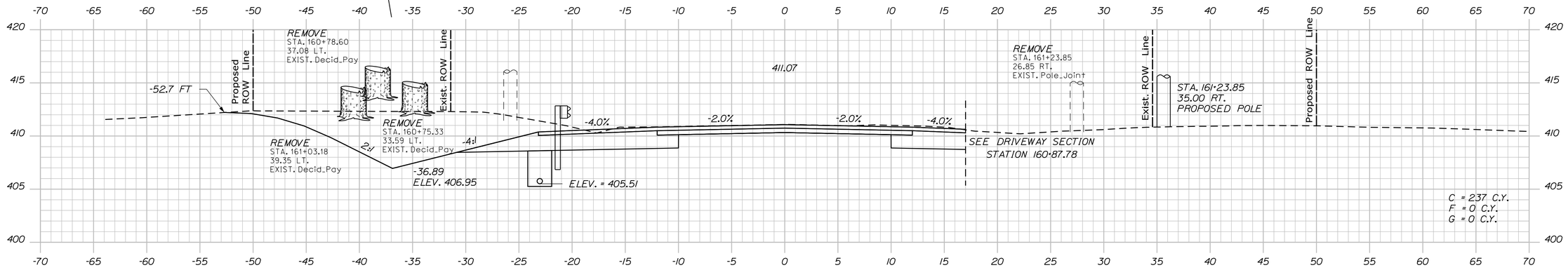
CROSS SECTIONS

SHEET NUMBER

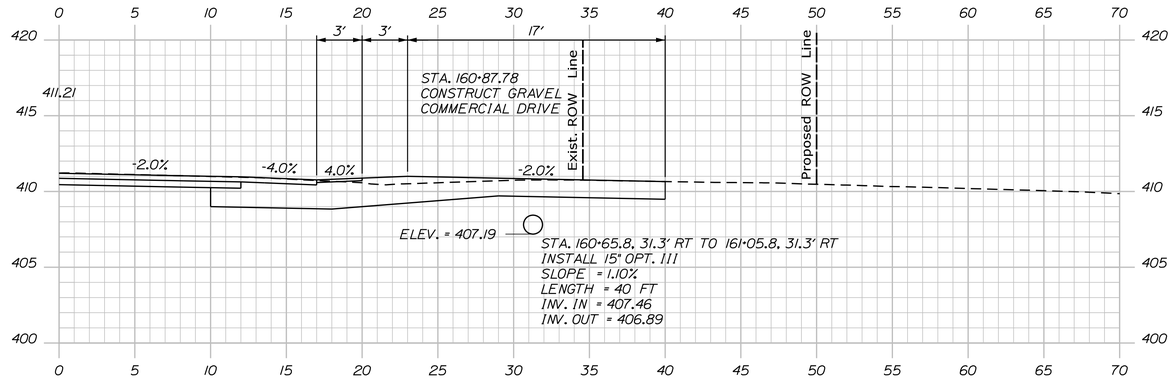
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OF 364

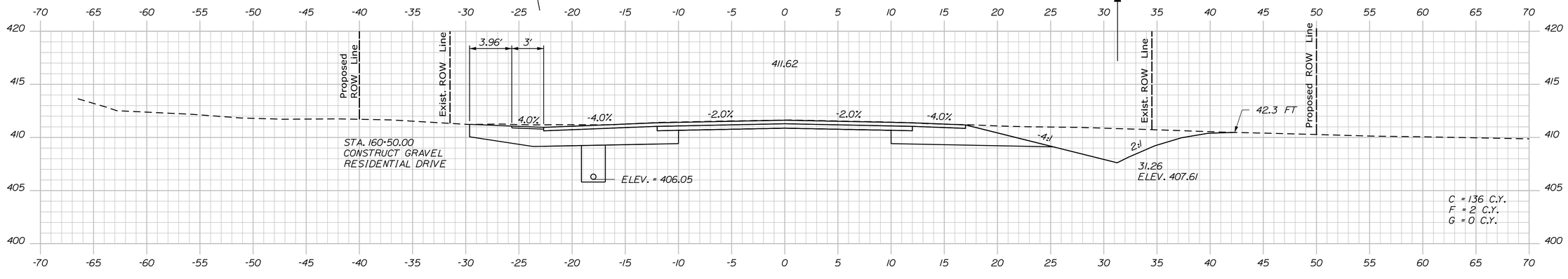
Sta. 159+18.85 to Sta. 160+00.00



161+00.00



160+87.78 (ALONG DRIVEWAY CENTERLINE)



160+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

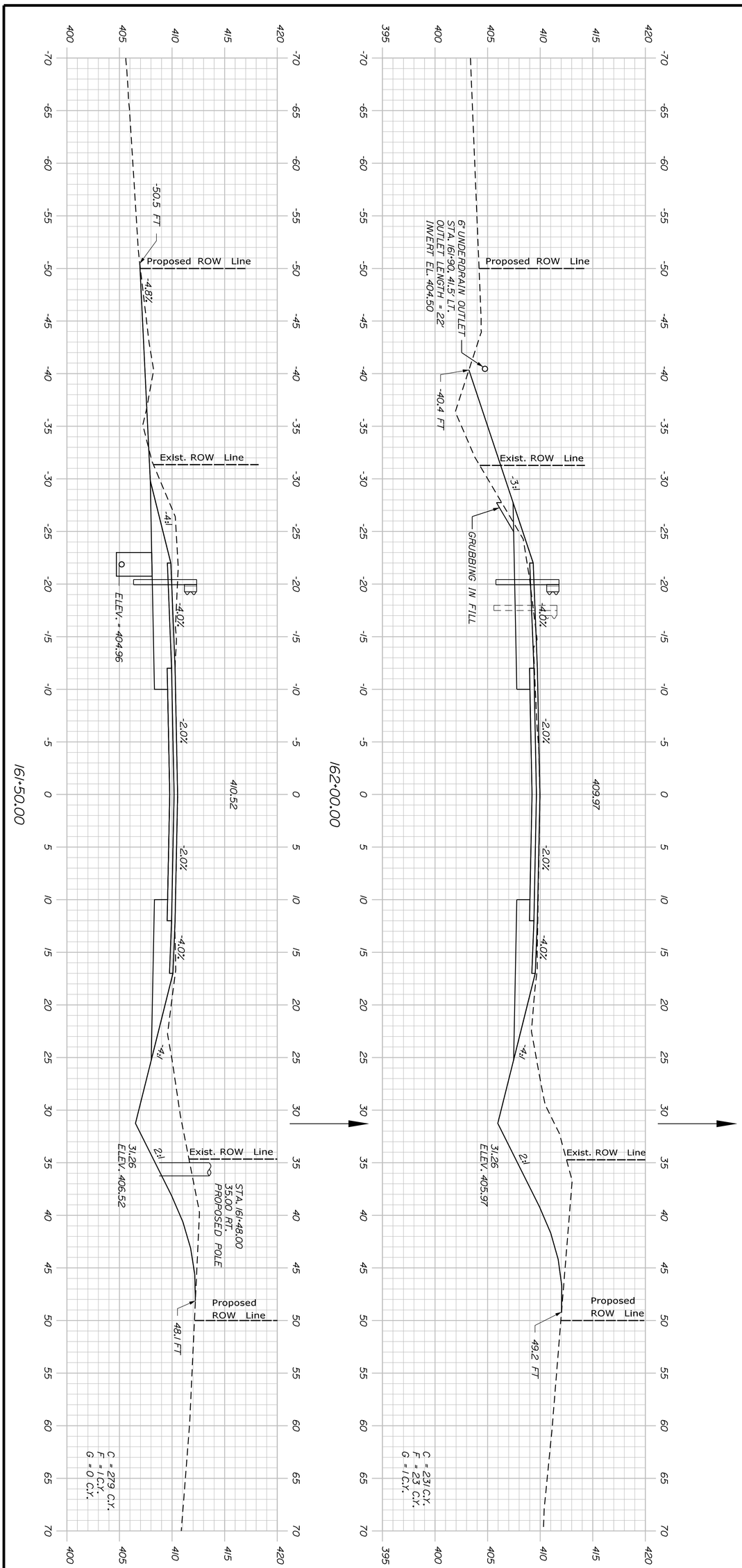
SHEET NUMBER

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OF 364

Filename: ...\MSTA\156_XSECT_160-50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 160+50.00 to Sta. 161+00.00



Sta. 161+50.00 to Sta. 162+00.00

FRYEBURG
US ROUTE 302

CROSS SECTIONS

PROJ. MANAGER	R. CARRELL	BY	DATE
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

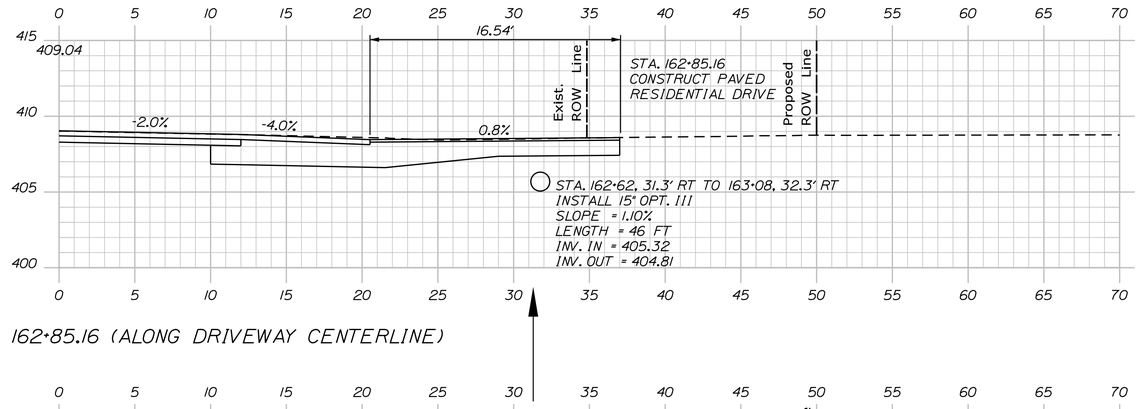
DATE

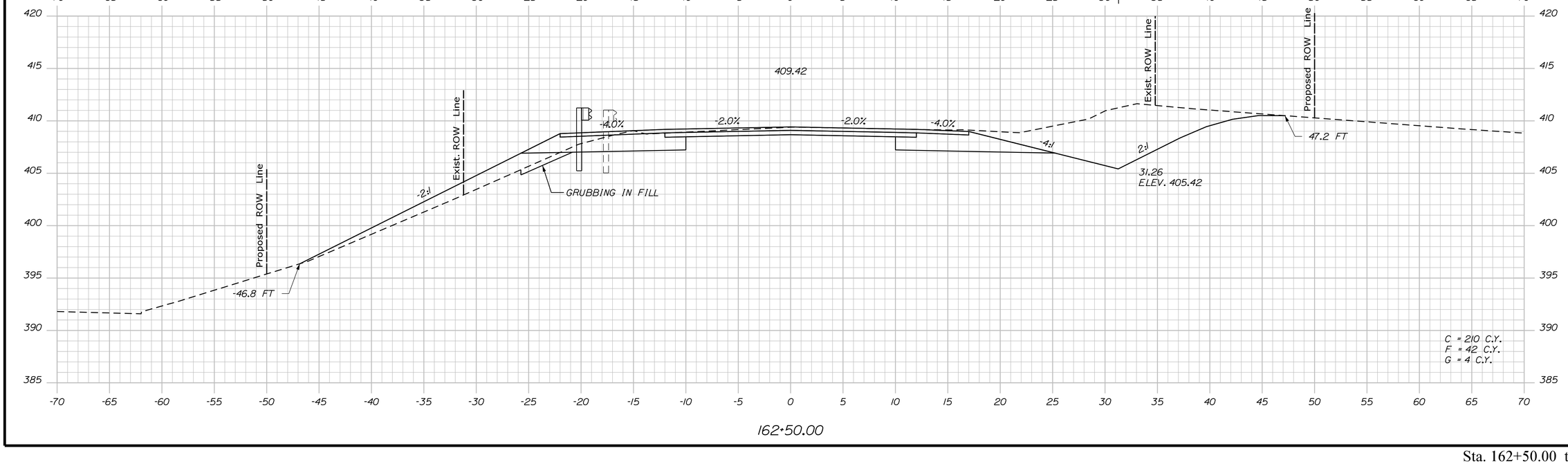
SHEET NUMBER 157 OF 364

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00 HIGHWAY PLANS





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

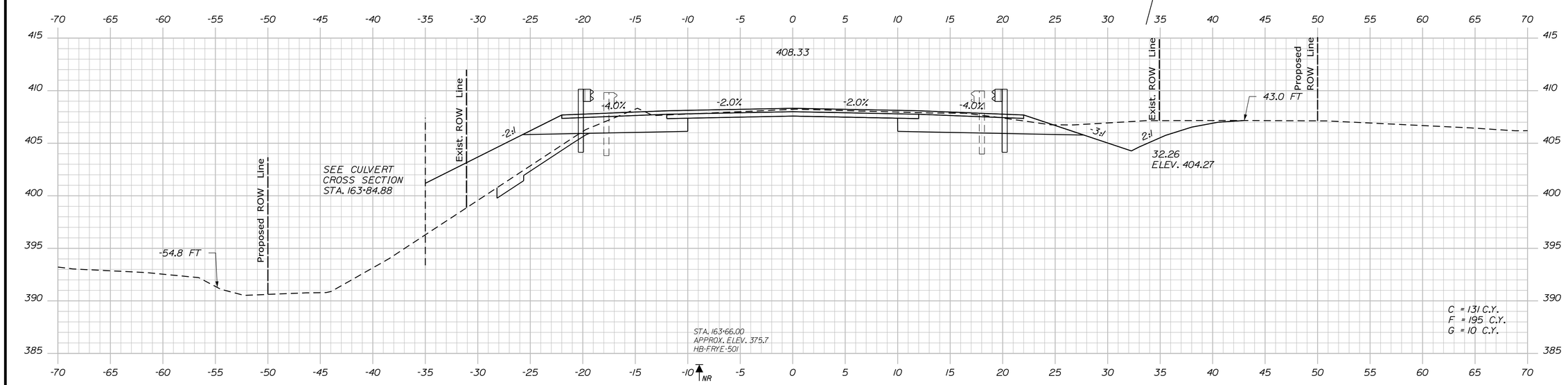
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OF 364

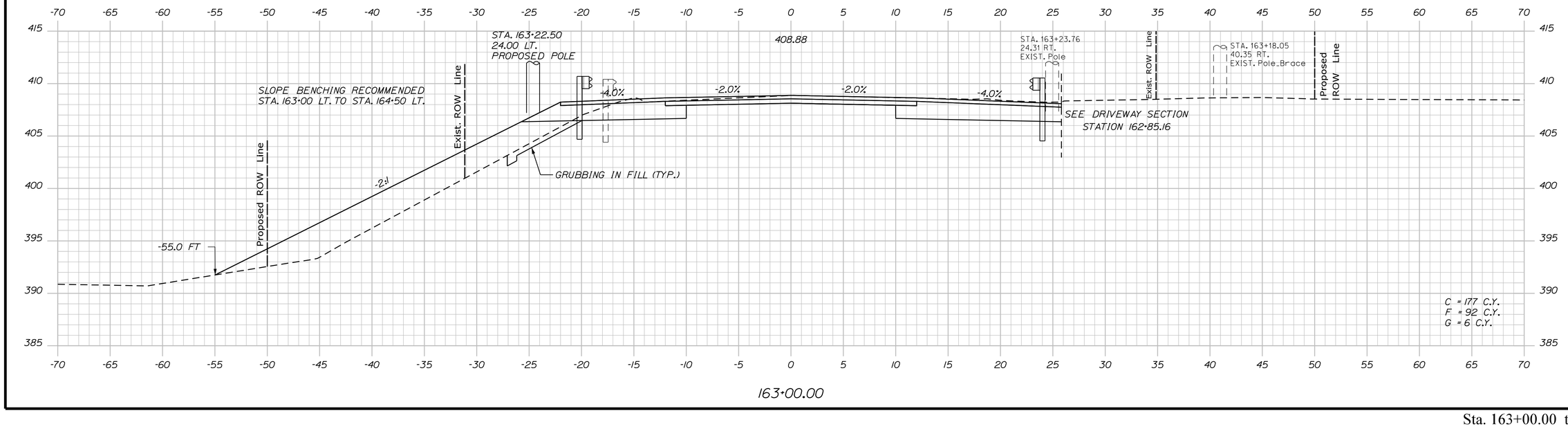
Sta. 162+50.00 to Sta. 162+85.16

Filename: ...\MSTA\158_XSECT_162+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\159_XSECT_163+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



163+50.00



163+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

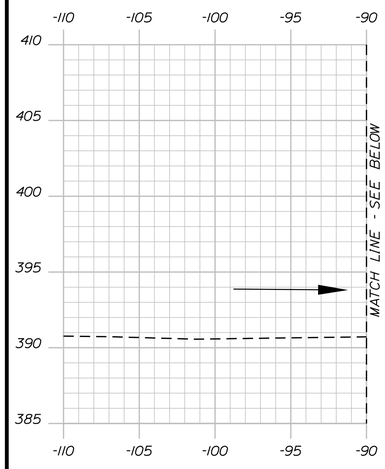
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SHEET NUMBER

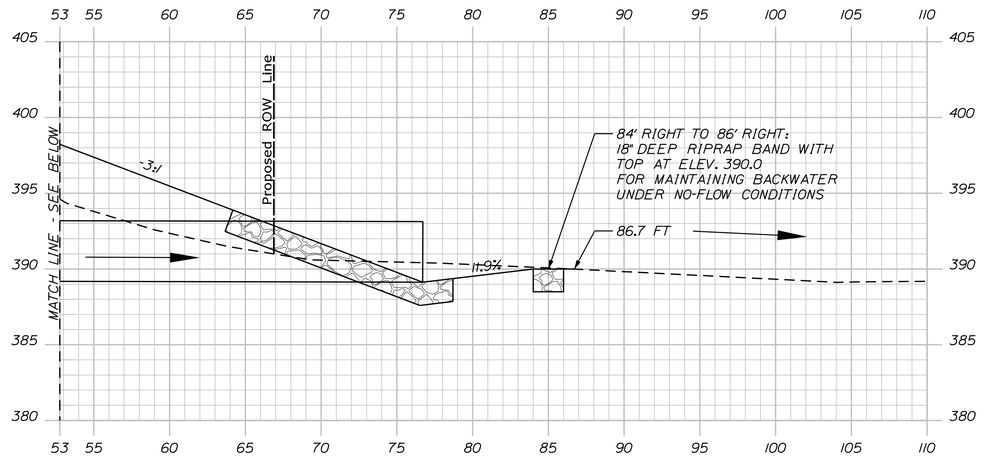
159

OF 364

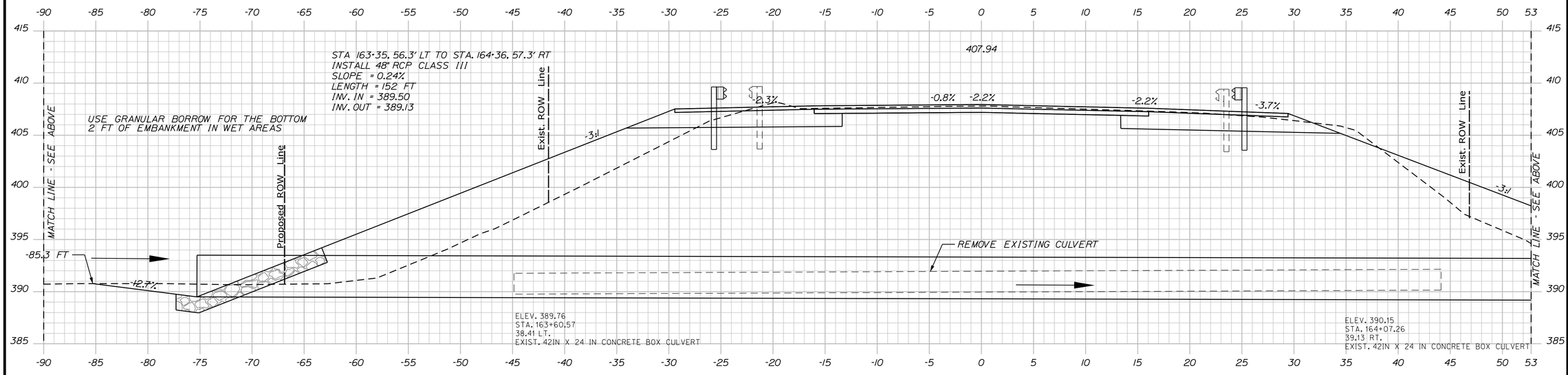
Sta. 163+00.00 to Sta. 163+50.00



163+84.88 (SKEWED 42° ALONG CULVERT)



163+84.88 (SKEWED 42° ALONG CULVERT)



163+84.88 (SKEWED 42° ALONG CULVERT)

Username: mdebowski Date:12/10/2018
Division: HIGHWAY
Filename: ...\MSTA\160_XSECT_163+84.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

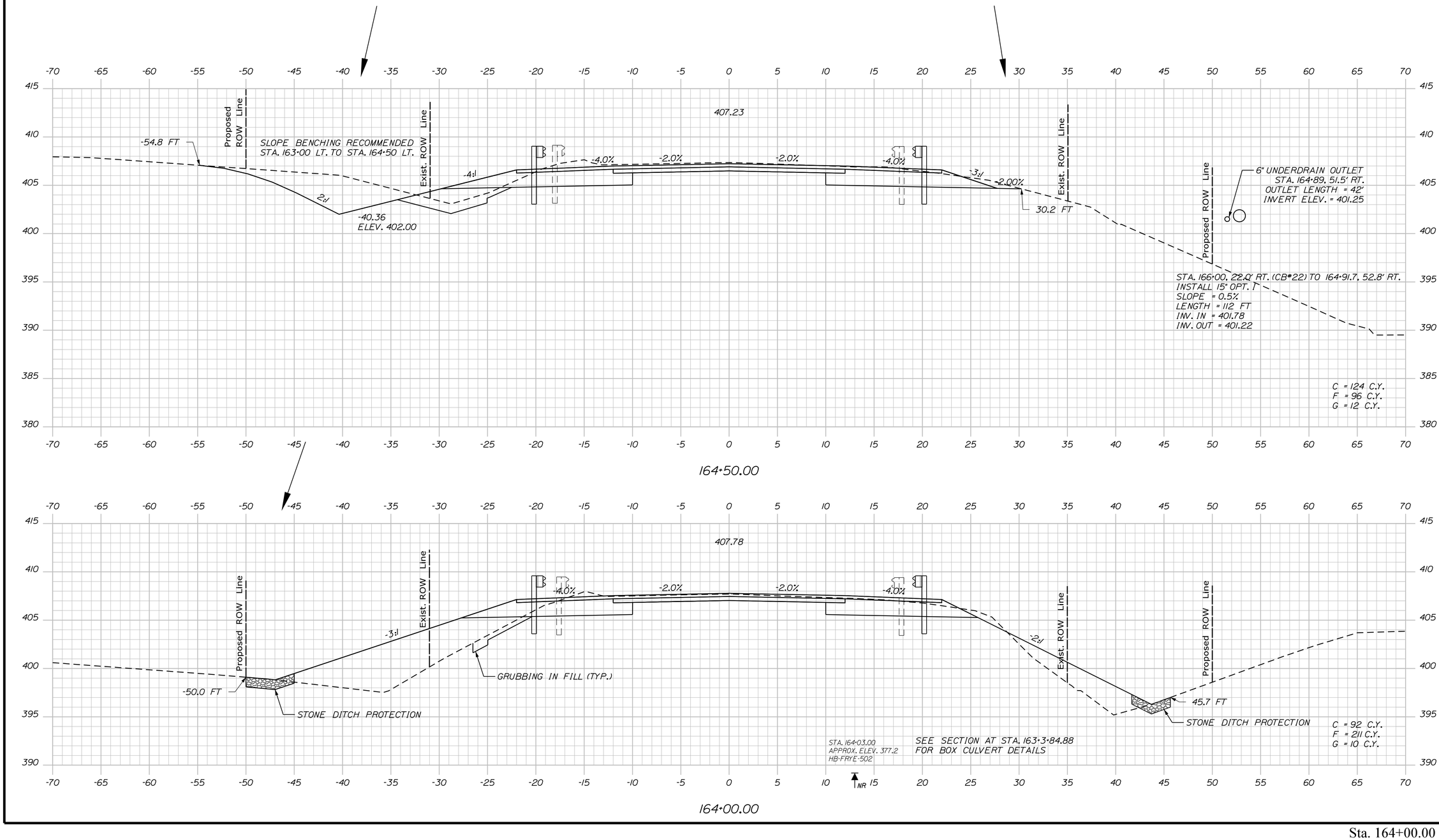
CROSS SECTIONS

SHEET NUMBER

160

OF 364

Sta. 163+84.88



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

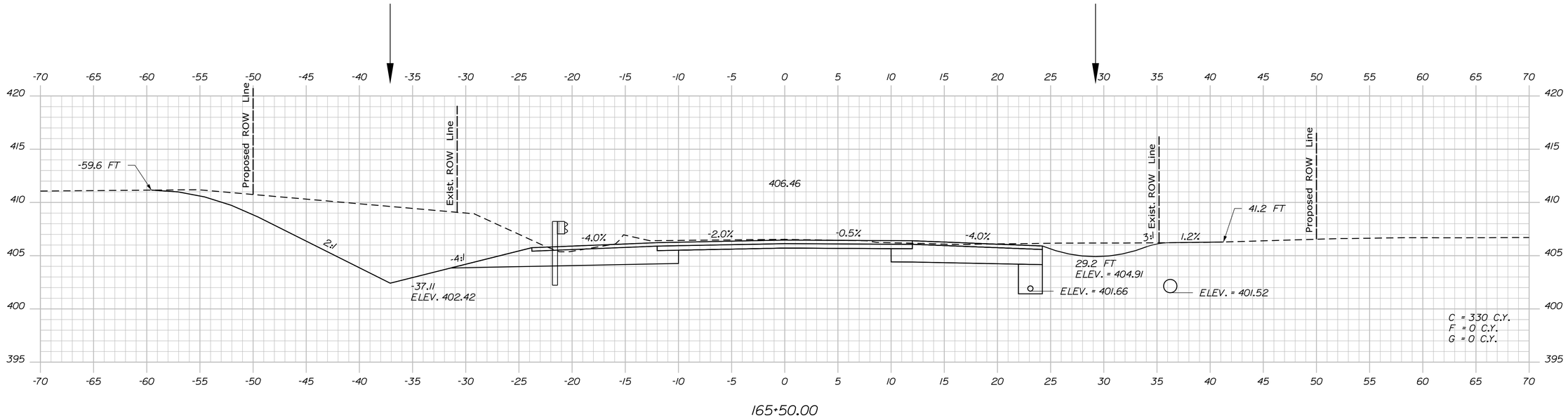
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161

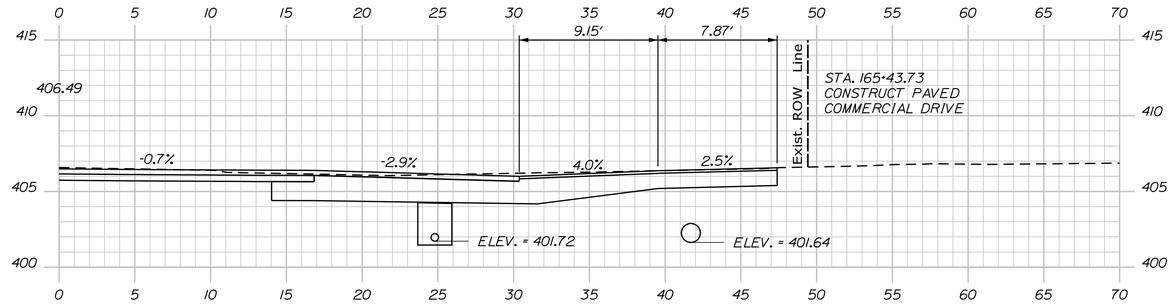
OF 364

Sta. 164+00.00 to Sta. 164+50.00

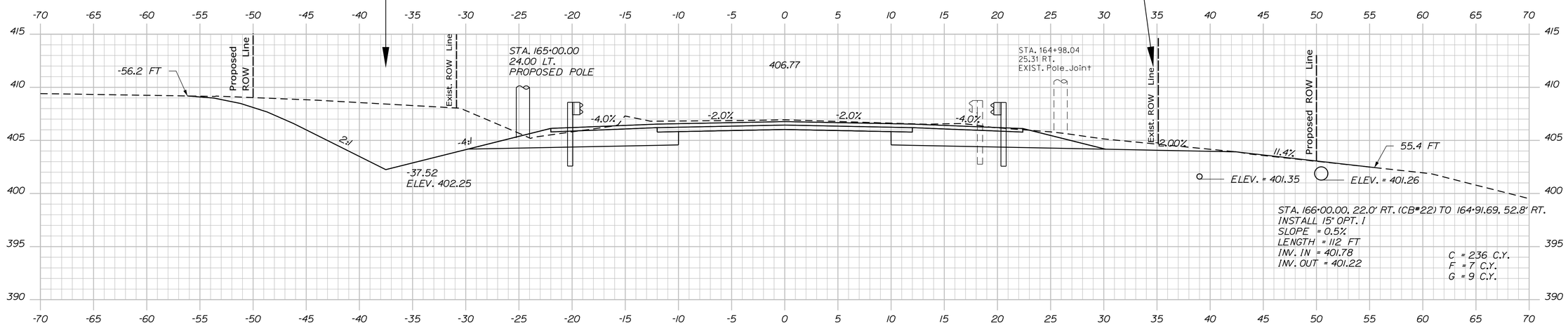
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165+50.00



165+43.73 (SKEWED ALONG DRIVEWAY CENTERLINE)



165+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

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OF 364

Sta. 165+00.00 to Sta. 165+50.00

Filename: ...\MSTA\162_XSECT_165+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\163_XSECT_166+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

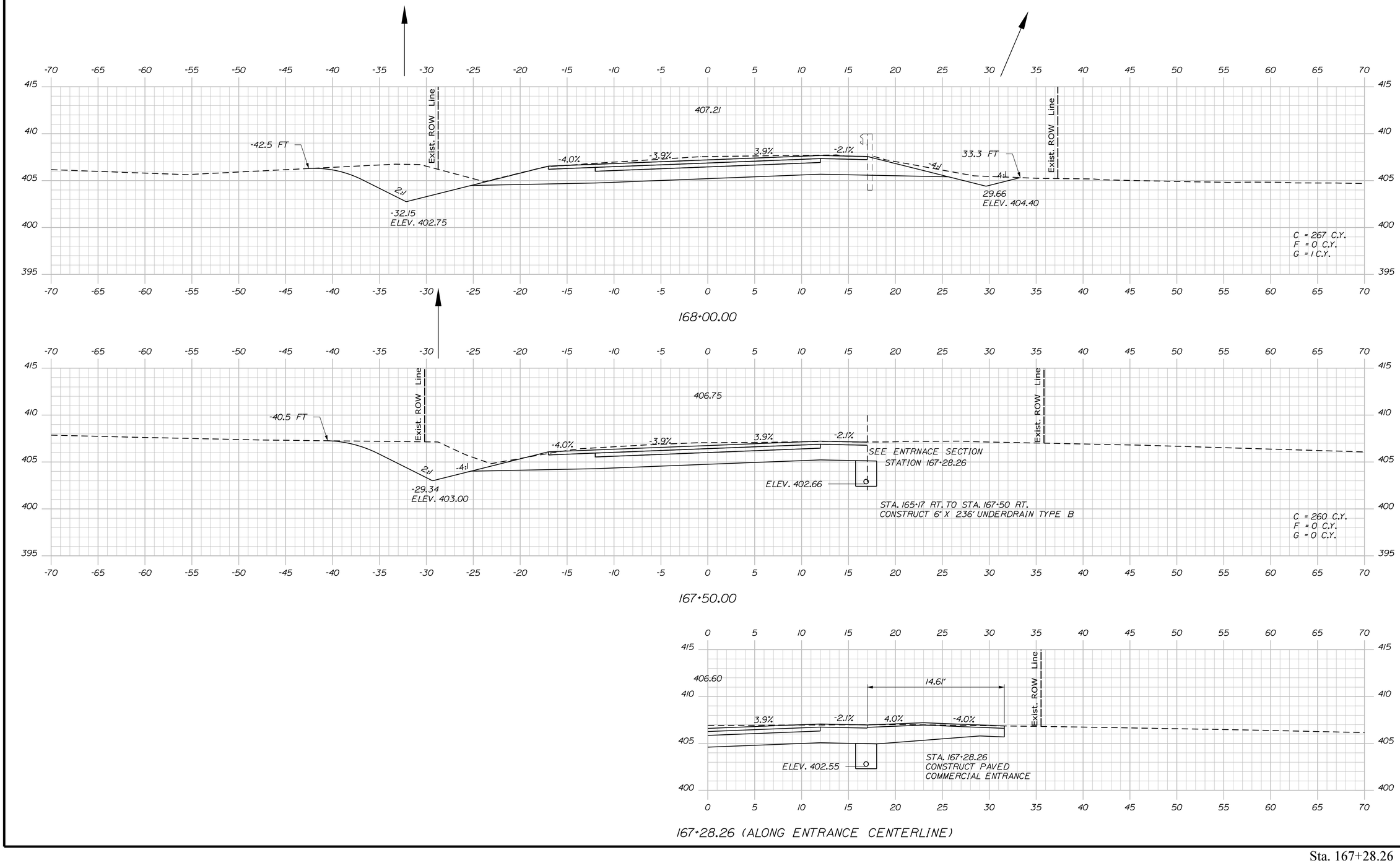
CROSS SECTIONS

SHEET NUMBER

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OF 364

Sta. 166+00.00 to Sta. 167+00.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

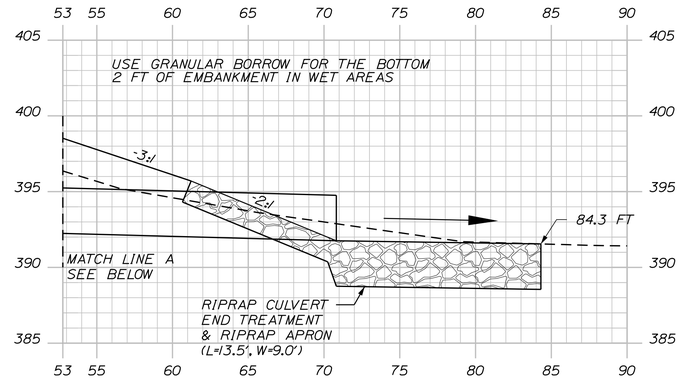
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164

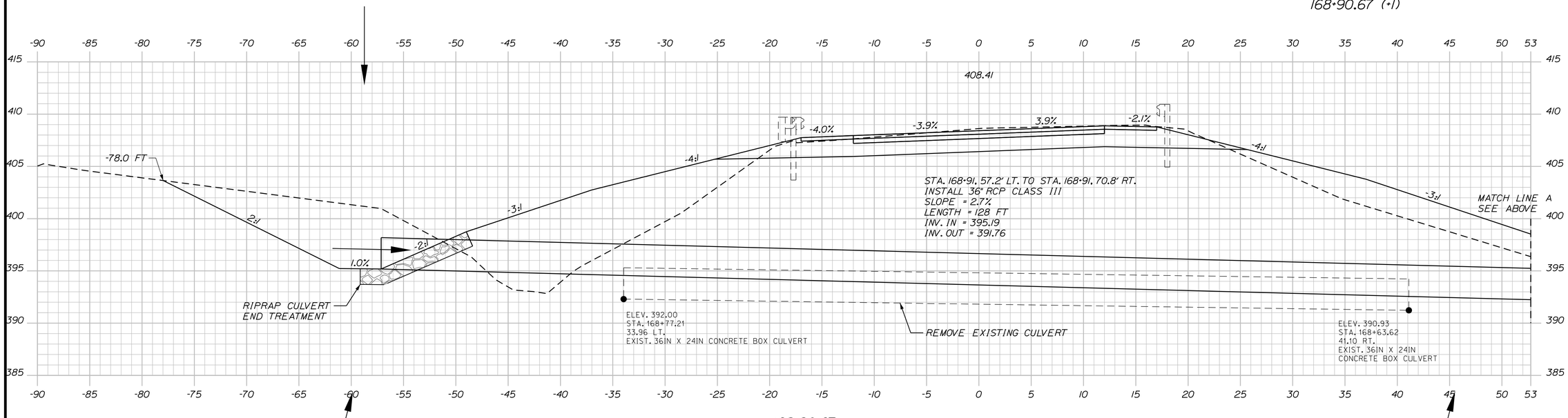
OF 364

Sta. 167+28.26 to Sta. 168+00.00

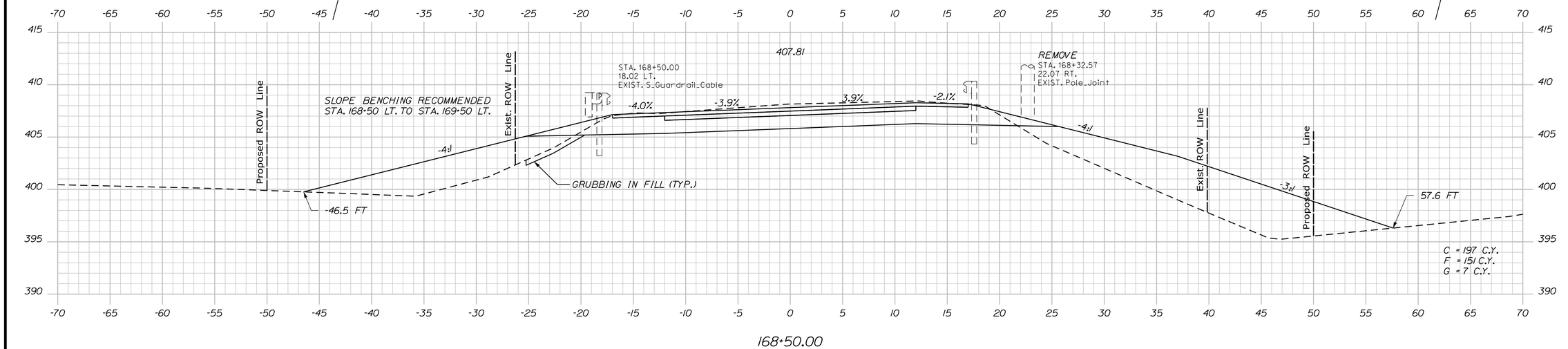
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168+90.67 (+1)



168+90.67



168+50.00

Sta. 168+50.00 to Sta. 168+80.89

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

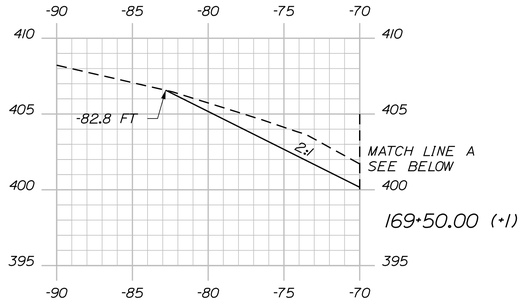
CROSS SECTIONS

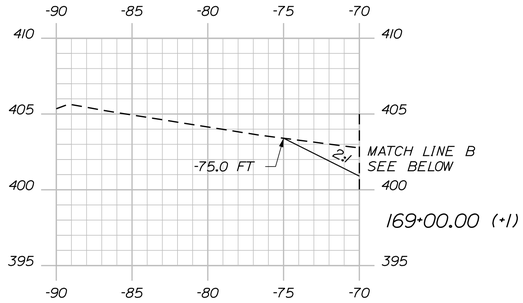
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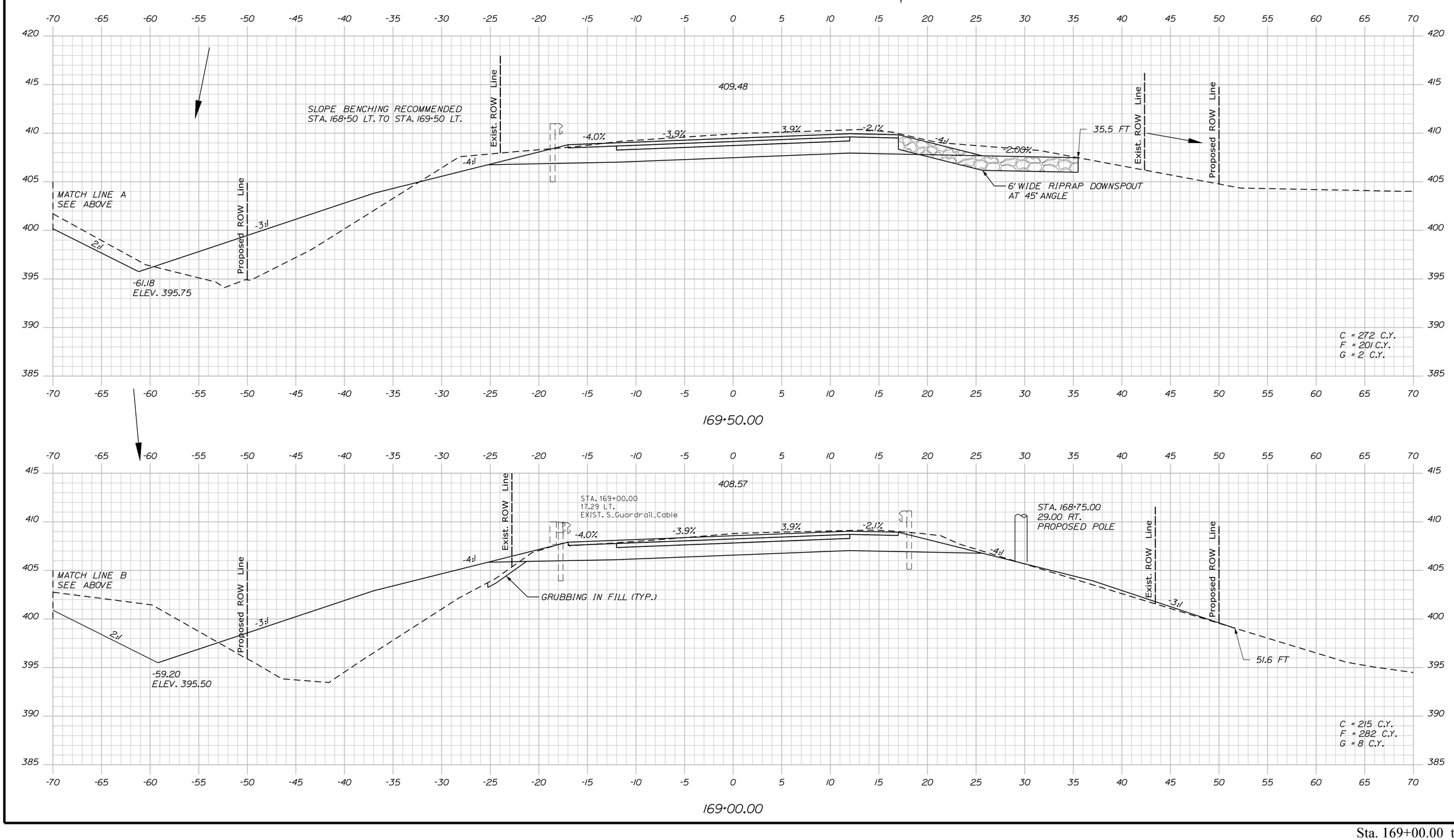
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OF 364

Filename: ...\MSTA\165_XSECT_168+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

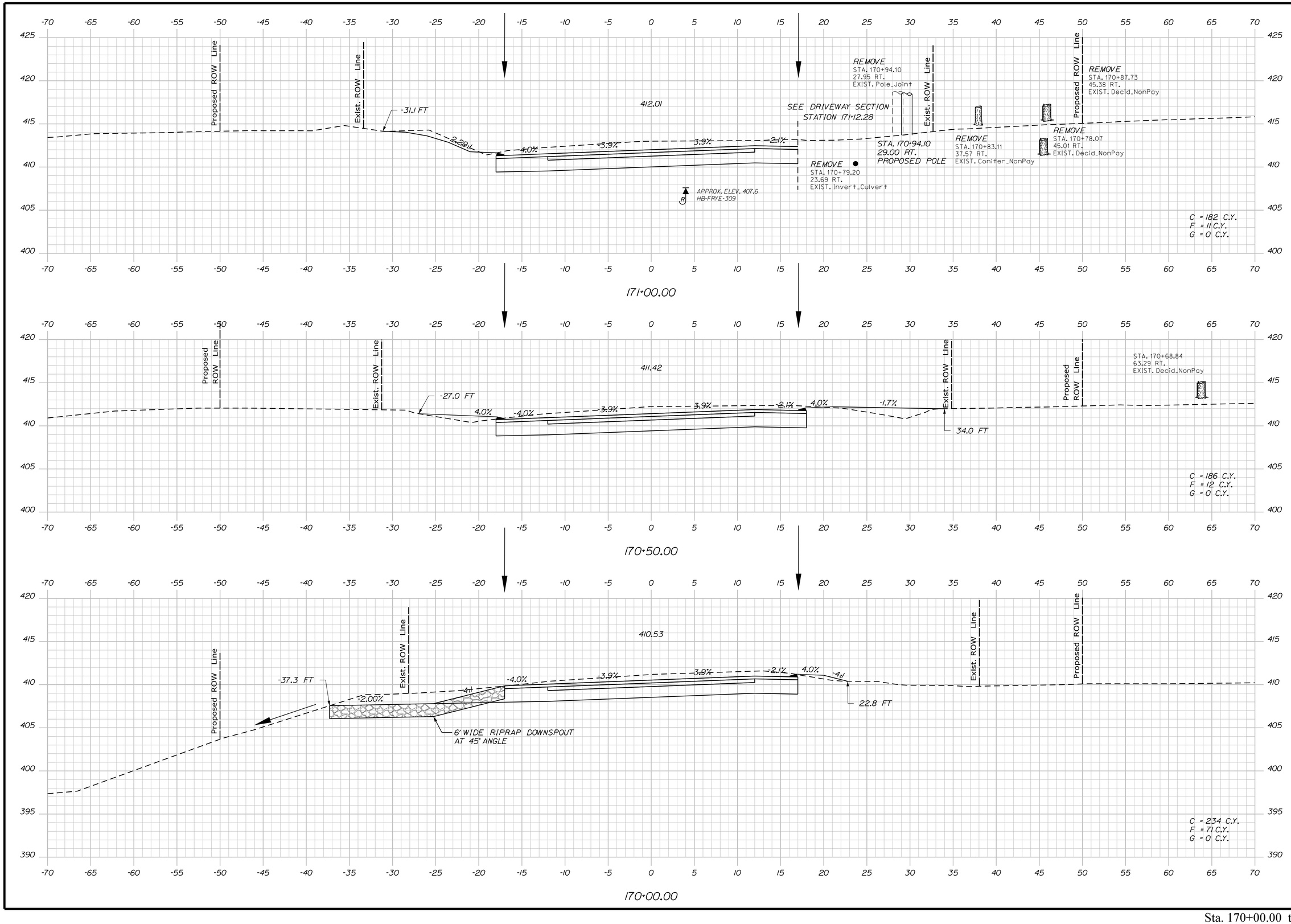
SHEET NUMBER

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OF 364

Sta. 169+00.00 to Sta. 169+50.00

Filename: ...\MSTA\166_XSECT_169+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

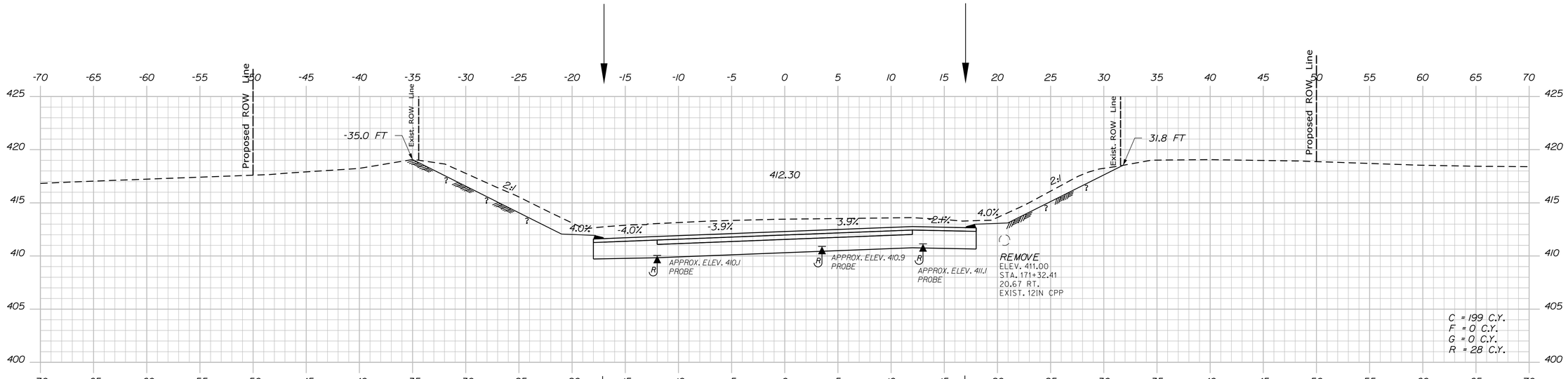
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OF 364

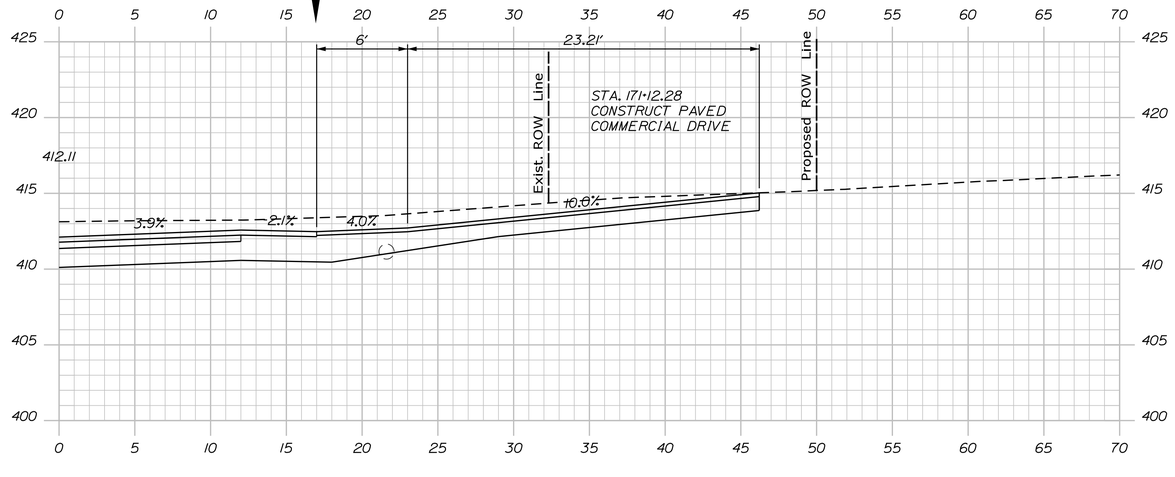
Sta. 170+00.00 to Sta. 171+00.00

Filename: ...\MSTA\167_XSECT_170+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\168_XSECT_171+12.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



171+50.00



171+12.28 (ALONG DRIVEWAY CENTERLINE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

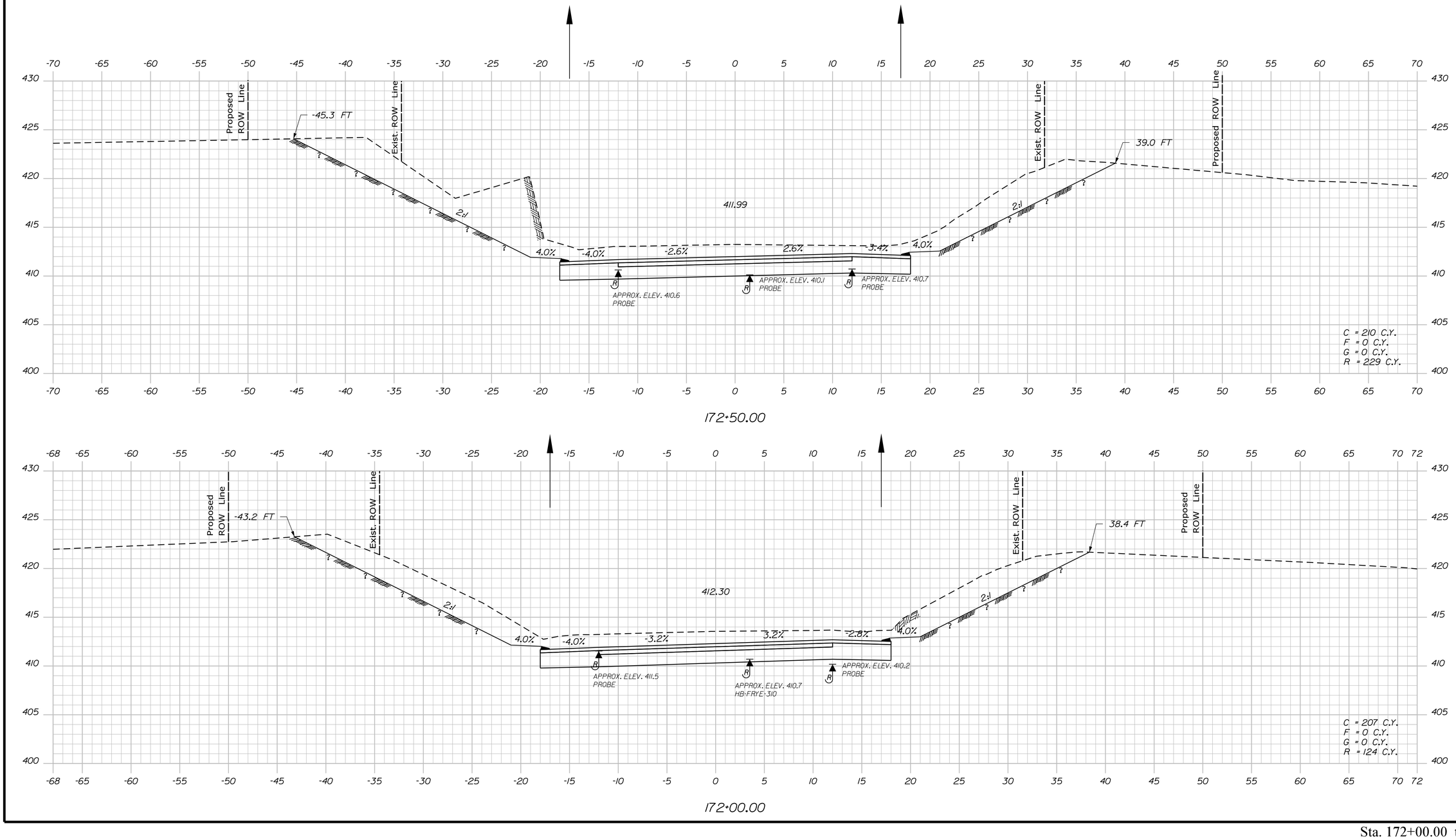
CROSS SECTIONS

SHEET NUMBER

168

OF 364

Sta. 171+12.28 to Sta. 171+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

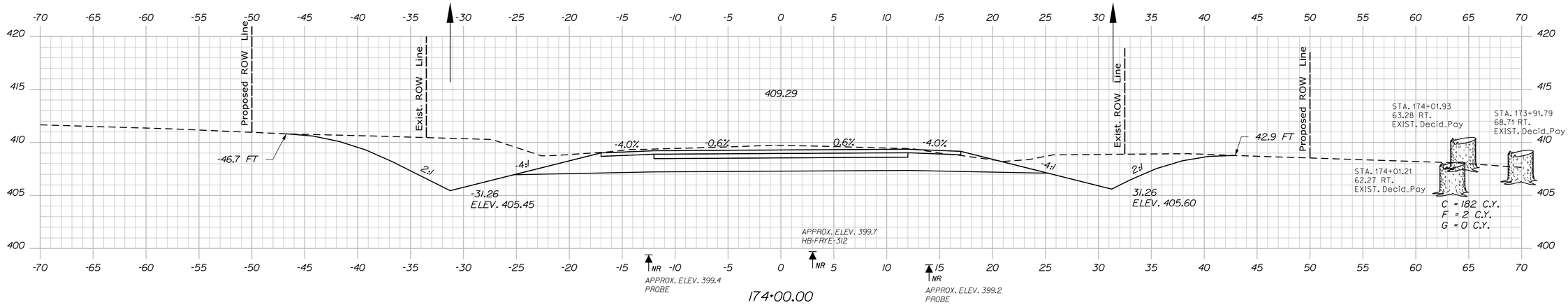
169

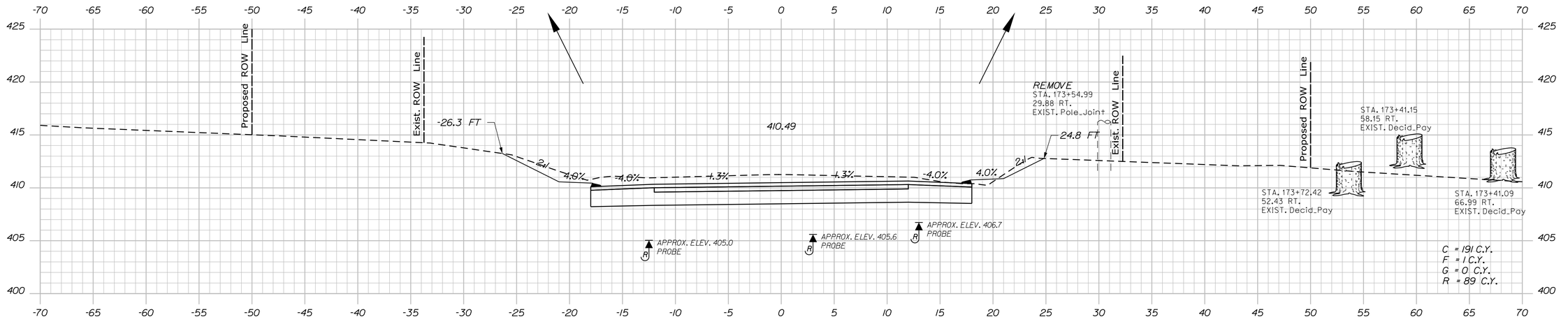
OF 364

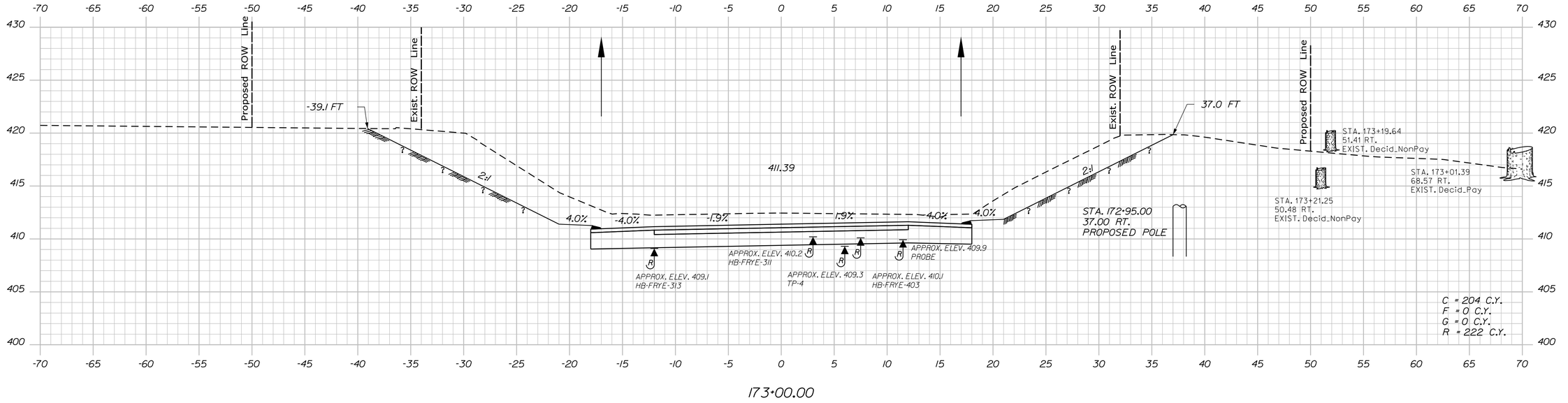
Sta. 172+00.00 to Sta. 172+50.00

Filename: ...\MSTA\169_XSECT_172+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA170_XSECT_173+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

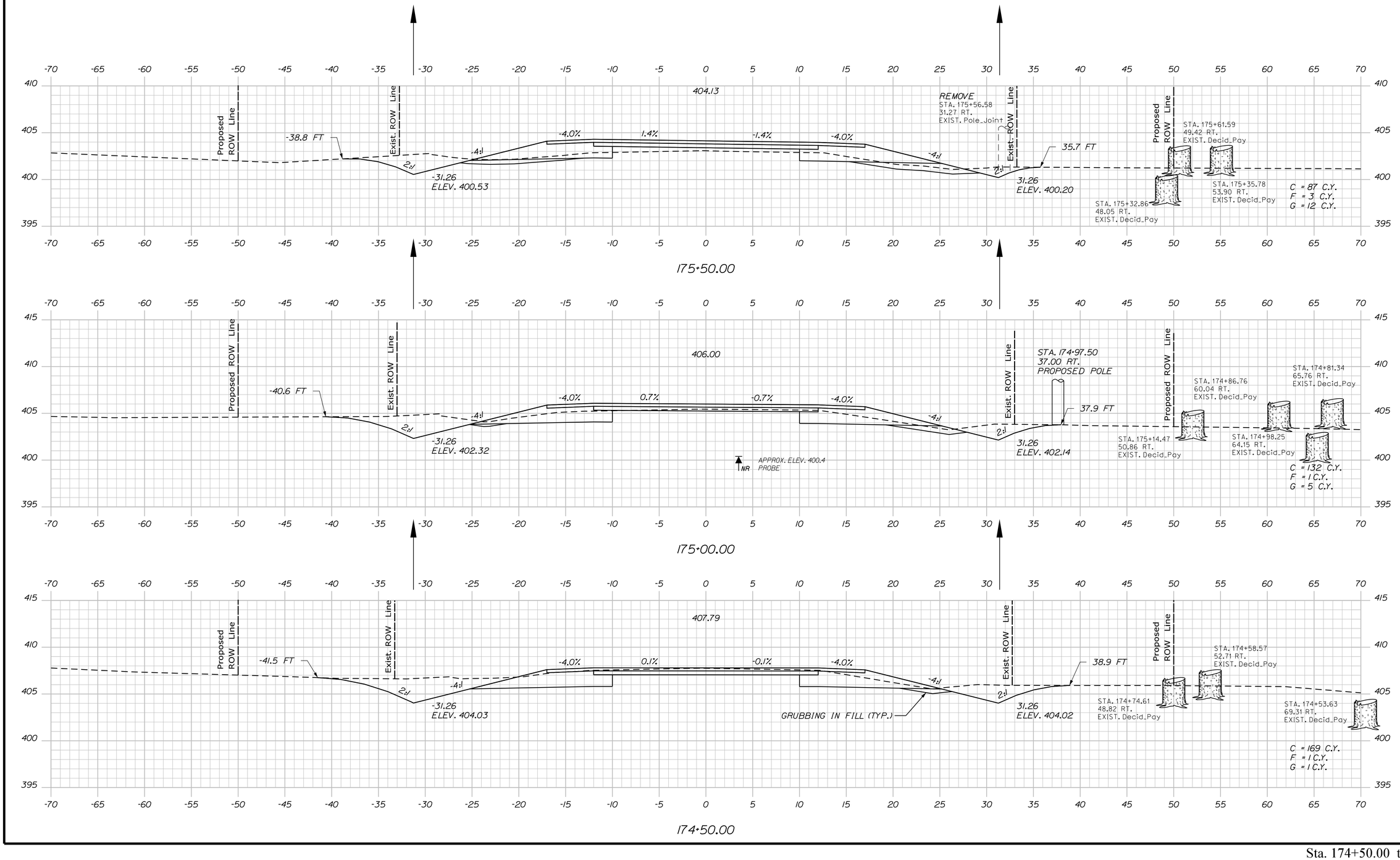
CROSS SECTIONS

SHEET NUMBER

170

OF 364

Sta. 173+00.00 to Sta. 174+00.00



Filename: ...\MSTA171_XSECT_174+50.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

171

OF 364

Sta. 174+50.00 to Sta. 175+50.00

Filename: ...\MSTA172_XSECT_176+00.dgn Username: mdebowski Division: HIGHWAY Date:12/10/2018

Proposed ROW Line
Exist. ROW Line
401.77
-46.3 FT
2:1
-3:1
-3.3%
2.7%
-2.7%
-4.0%
-4:1
-32.48
ELEV. 398.27
35.83
ELEV. 397.59
47.1 FT
C = 96 C.Y.
F = 5 C.Y.
G = 26 C.Y.

176+50.00

23'
STA. 176+15.00
CONSTRUCT PAVED
WOODS ENTRANCE
402.38
-4.1%
-3.8%
2.2%
-2.2%
-4.0%
-8.3%
ELEV. = 398.92
STA. 176+00, 31.3' LT. TO STA. 176+36, 34.2' LT.
INSTALL 15" OPT. 1
SLOPE = 1.86%
LENGTH = 36 FT
INV. IN = 399.20
INV. OUT = 398.53
ELEV. = 398.17
STA. 176+06, 31.2' RT. TO ISTA. 76+42, 35.9' RT.
INSTALL 15" OPT. 1
SLOPE = 2.11%
LENGTH = 36 FT
INV. IN = 398.36
INV. OUT = 397.60

176+15.00 (ALONG DRIVEWAYS)

402.72
-39.6 FT
-4:1
2:1
-4.0%
2.0%
-2.0%
-4.0%
-31.27
ELEV. 399.20
GRUBBING IN FILL (TYP.)
38.0 FT
31.26
ELEV. 398.71
C = 63 C.Y.
F = 6 C.Y.
G = 21 C.Y.

176+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

P.E. NUMBER

SIGNATURE

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

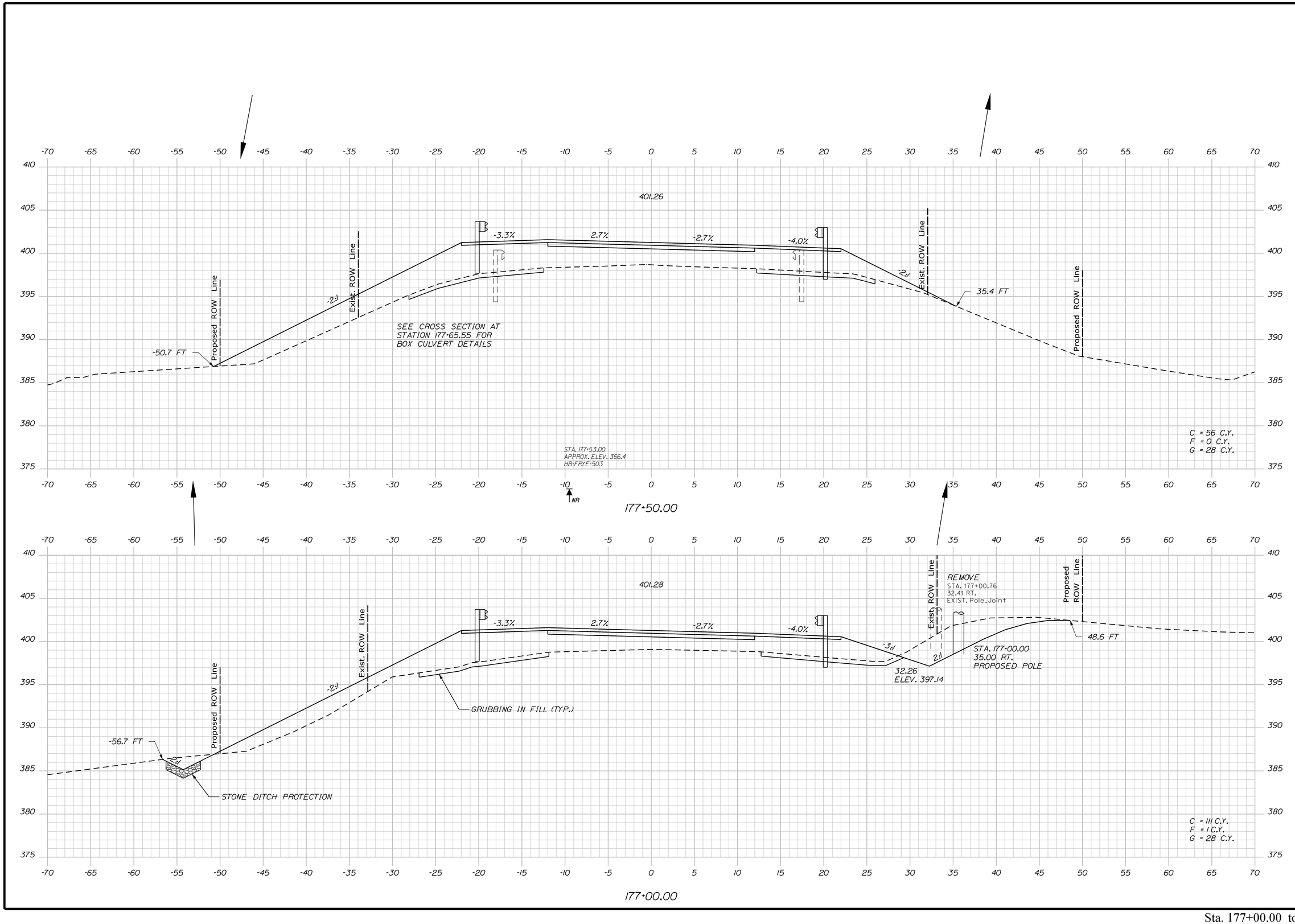
SHEET NUMBER

172

OF 364

Sta. 176+00.00 to Sta. 176+50.00

Filename: ...\MSTA\173_XSECT_177+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

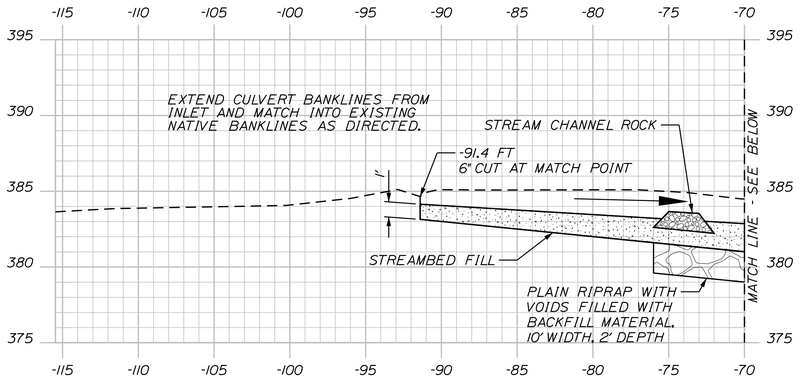
CROSS SECTIONS

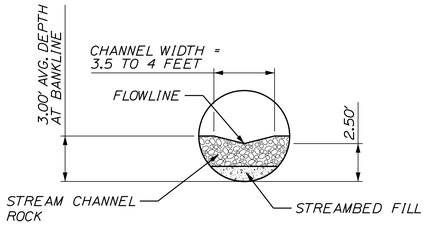
SHEET NUMBER

173

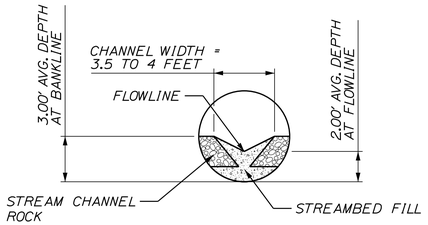
OF 364

Sta. 177+00.00 to Sta. 177+50.00

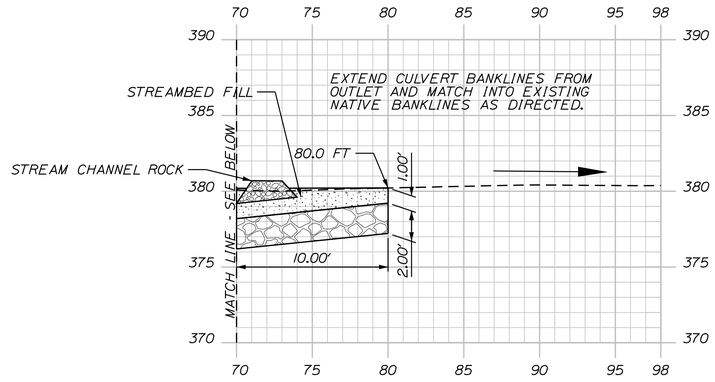




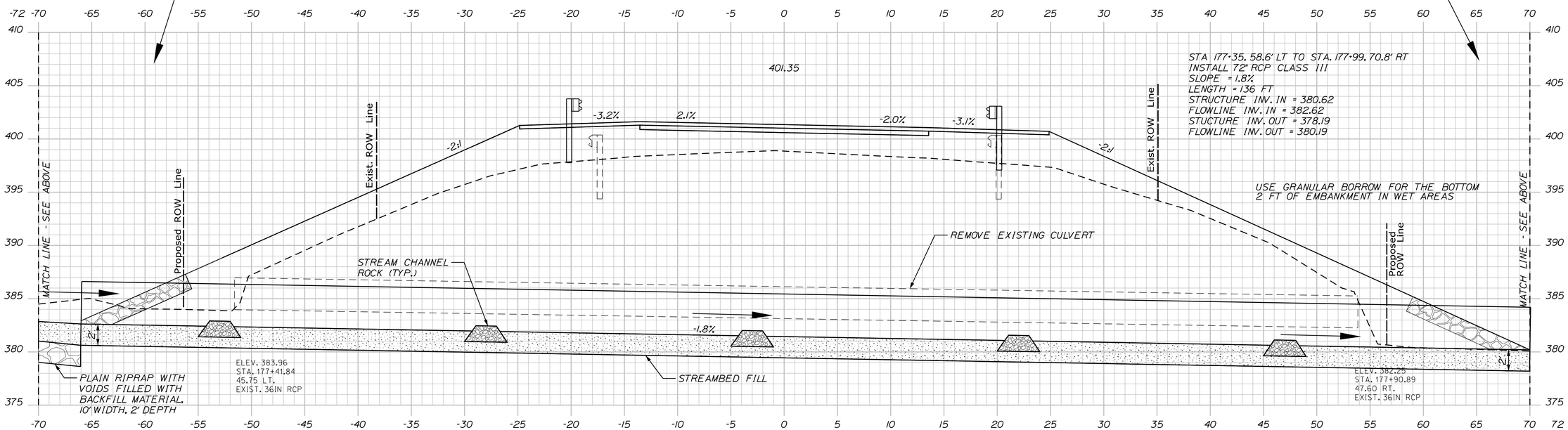
CULVERT TYPICAL SECTION
AT ROCK BANDS



CULVERT TYPICAL SECTION
BETWEEN ROCK BANDS



177+65.55 (SKEWED 27° ALONG CULVERT)



177+65.55 (SKEWED 27° ALONG CULVERT)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		SIGNATURE	
DESIGN-DETAILED	M. DEBOWSKI	DATE	P.E. NUMBER	
CHECKED-REVIEWED	-----	BY	DATE	
DESIGN2-DETAILED2	-----	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----	-----
REVISIONS 1	-----	-----	-----	-----
REVISIONS 2	-----	-----	-----	-----
REVISIONS 3	-----	-----	-----	-----
REVISIONS 4	-----	-----	-----	-----
FIELD CHANGES	-----	-----	-----	-----

FRYEBURG
US ROUTE 302

CROSS SECTIONS

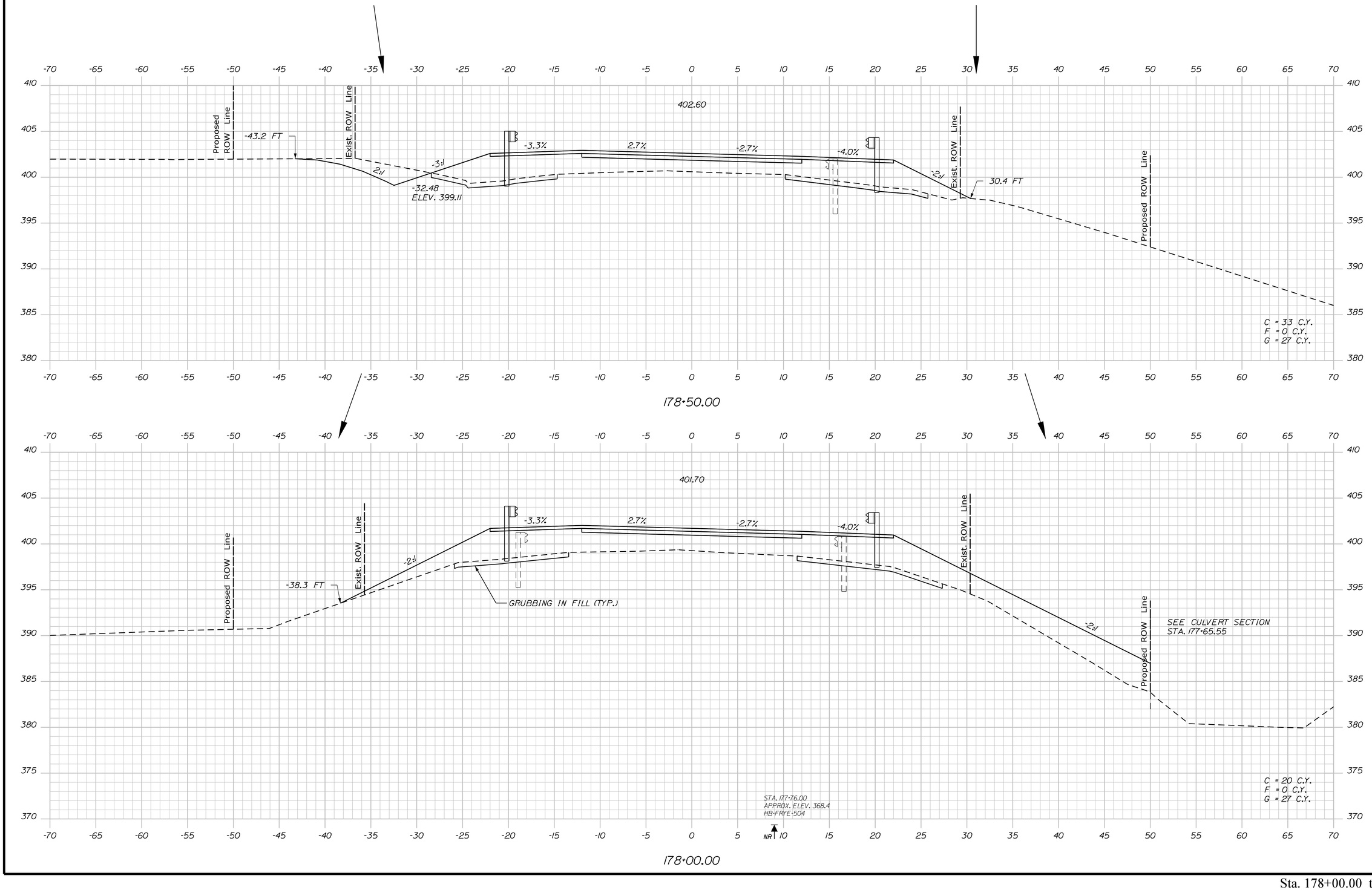
SHEET NUMBER

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Sta. 177+65.55

Filename: ...\MSTA\174_XSECT_177+65.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

PROJ. MANAGER	R. CARRELL		
DESIGN-DETAILED	M. DEBOWSKI	----------	-----
CHECKED-REVIEWED	-----	----------	-----
DESIGN2-DETAILED2	-----	----------	-----
DESIGN3-DETAILED3	-----	----------	-----
REVISIONS 1	-----	----------	-----
REVISIONS 2	-----	----------	-----
REVISIONS 3	-----	----------	-----
REVISIONS 4	-----	----------	-----
FIELD CHANGES	-----	----------	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

175

OF 364

Filename: ...\MSTA\175_XSECT_178+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 178+00.00 to Sta. 178+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

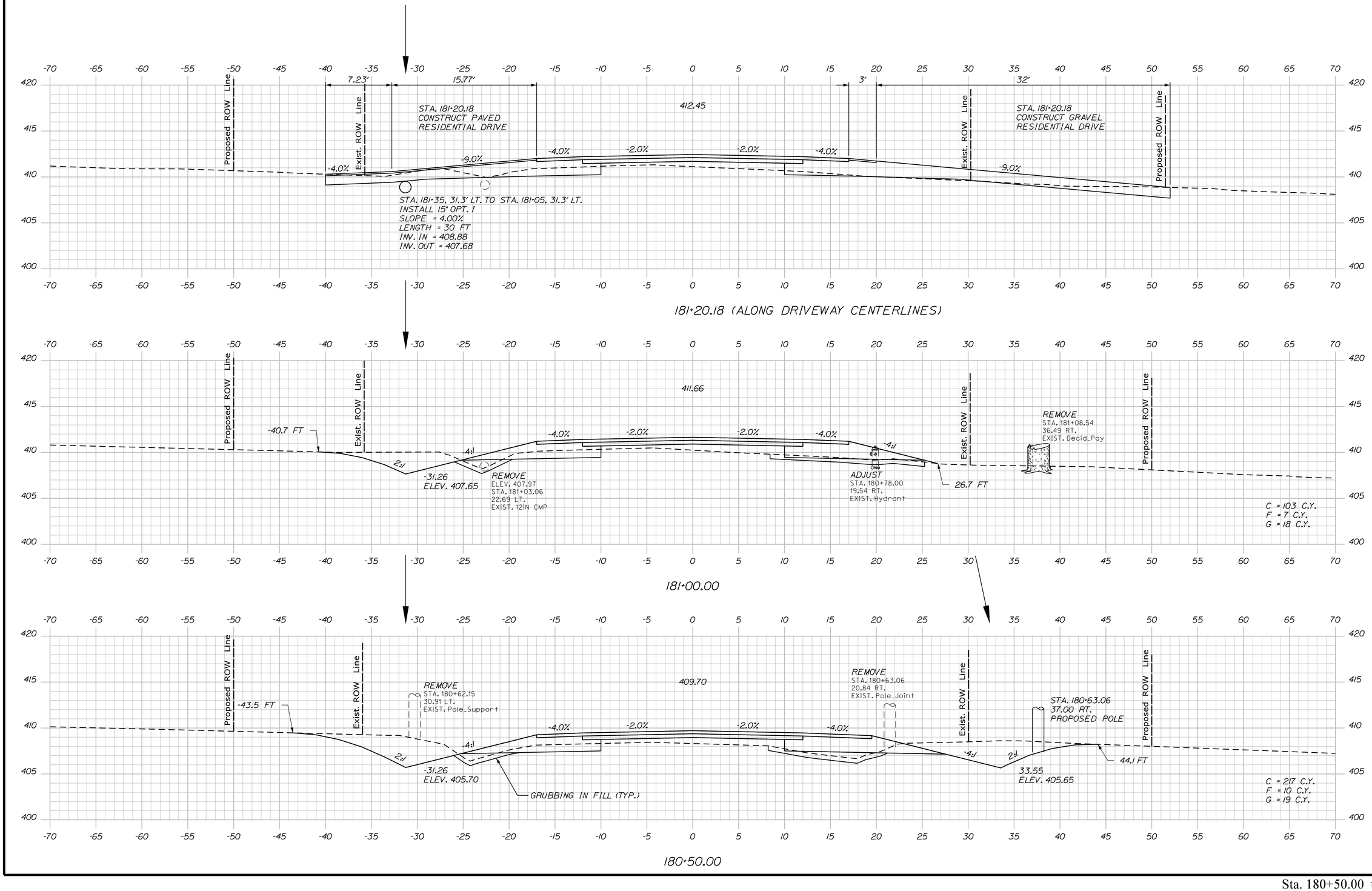
SHEET NUMBER

176

OF 364

Sta. 179+00.00 to Sta. 180+00.00

Filename: ...\MSTA\176_XSECT_179+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

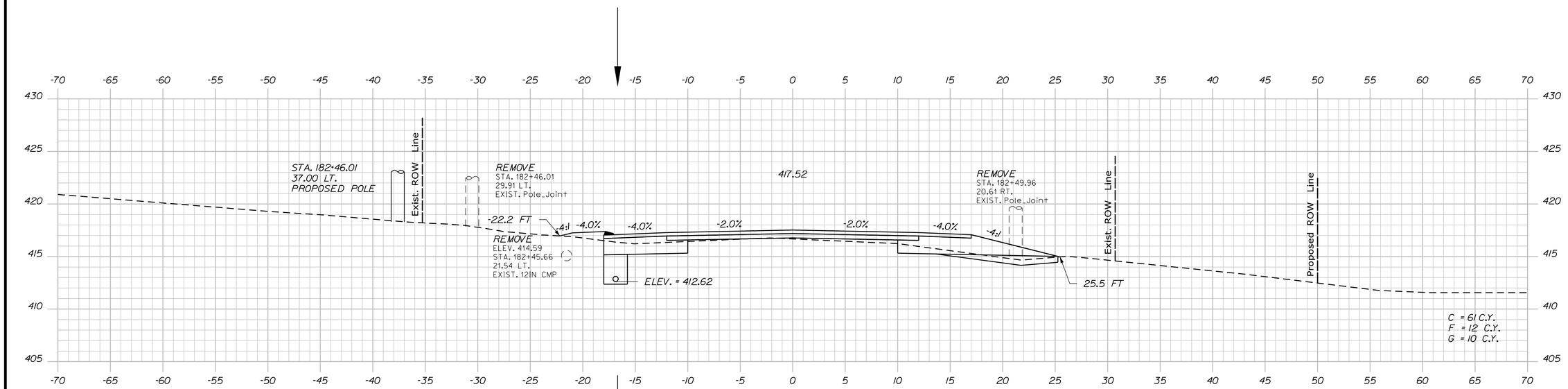
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Sta. 180+50.00 to Sta. 181+20.18

Filename: ...\MSTA\177_XSECT_180+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Filename: ...\MSTA\178_XSECT_182+50.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

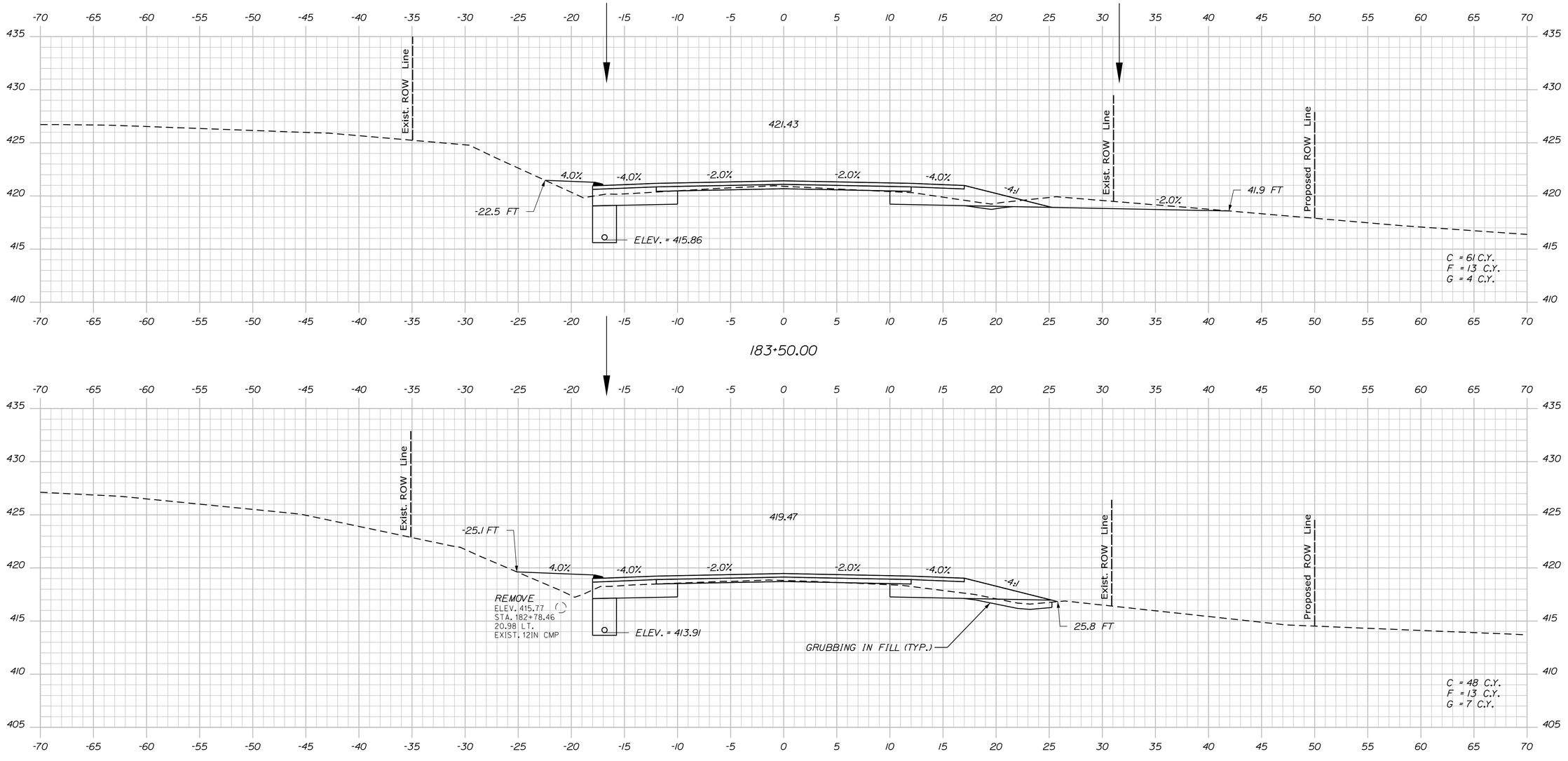
CROSS SECTIONS

SHEET NUMBER

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Sta. 181+50.00 to Sta. 182+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

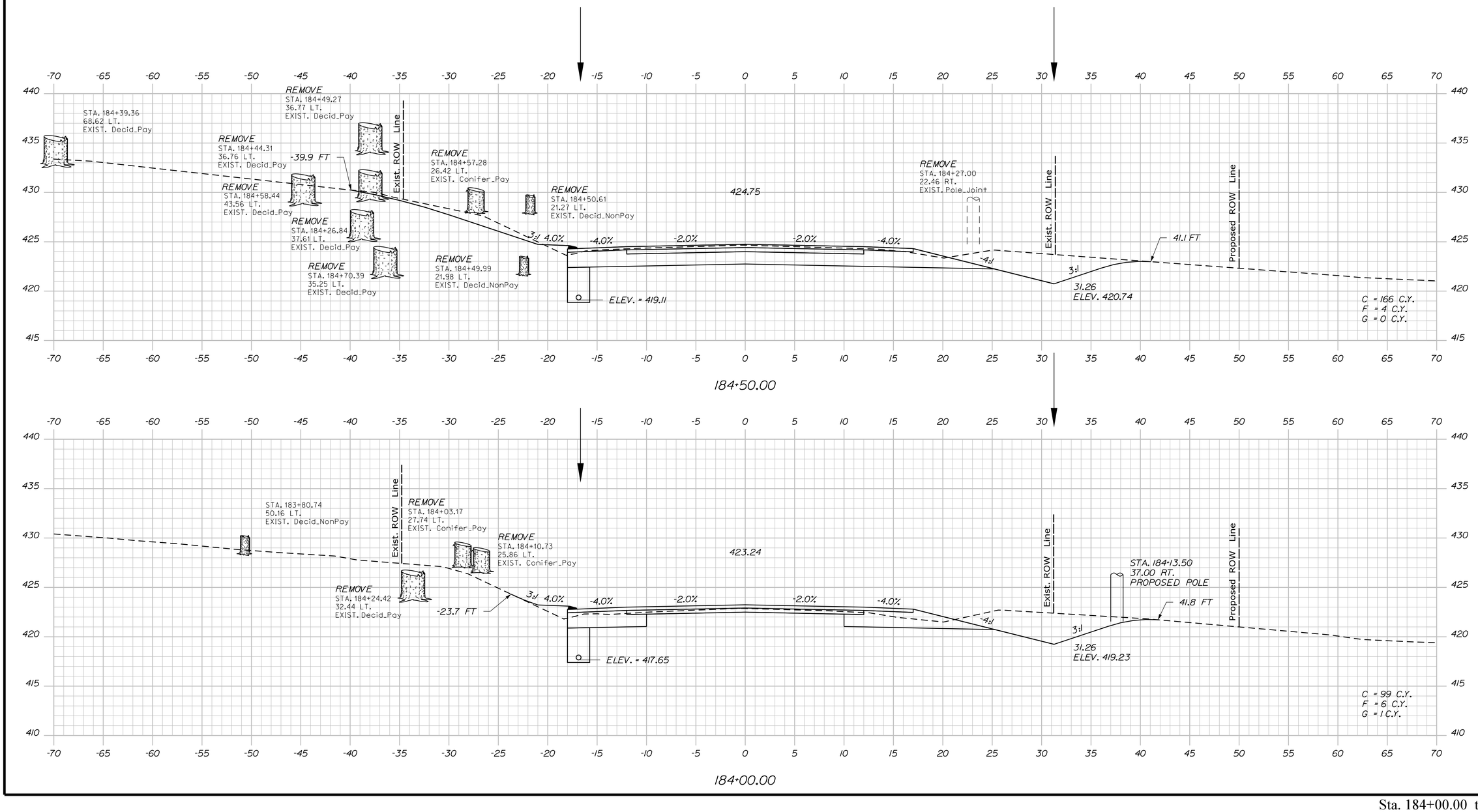
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OF 364

Filename: ...\MSTA\179_XSECT_182+62.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 182+62.23 to Sta. 183+50.00

Filename: ...\MSTA\180_XSECT_184+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	------
DESIGN-DETAILED	M. DEBOWSKI	------
CHECKED-REVIEWED	------	------
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

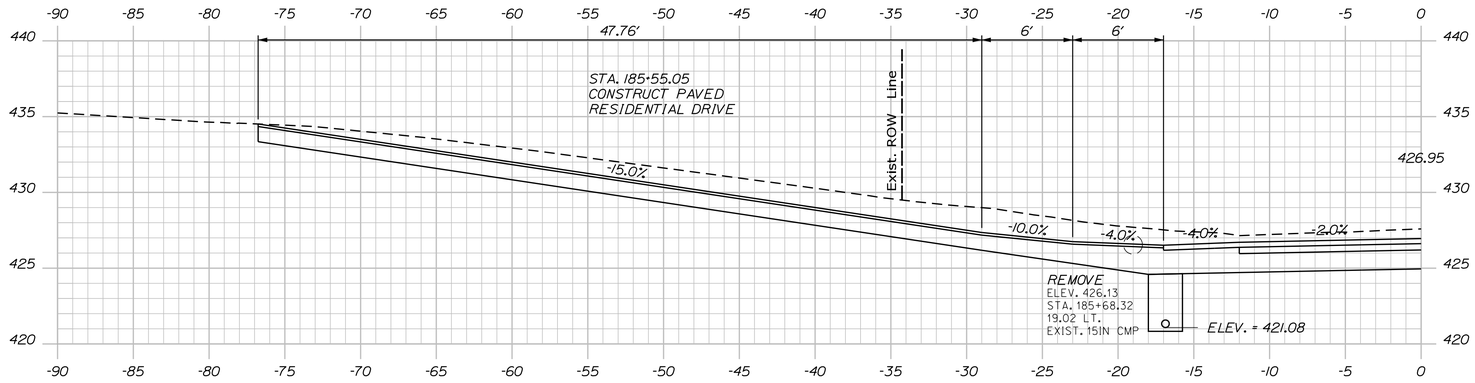
CROSS SECTIONS

SHEET NUMBER

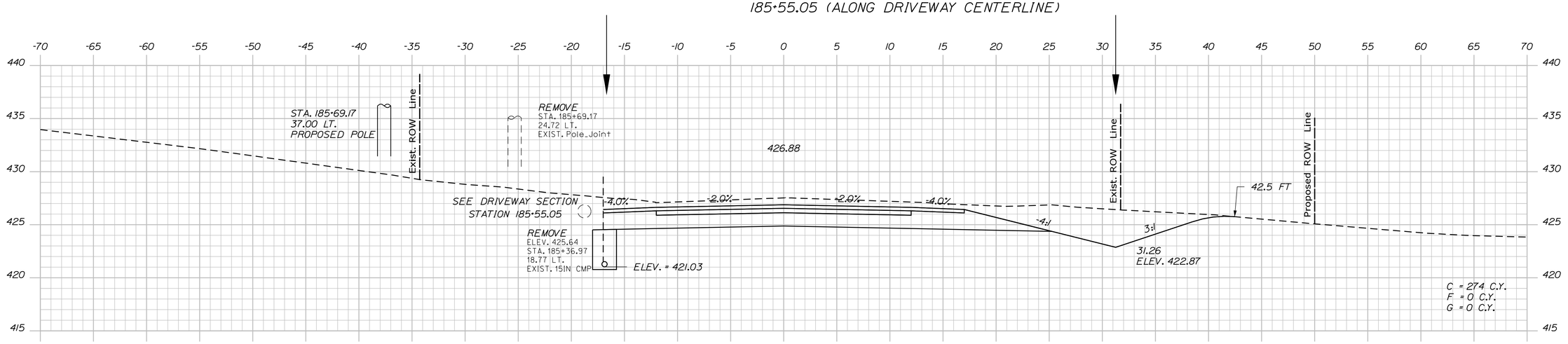
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OF 364

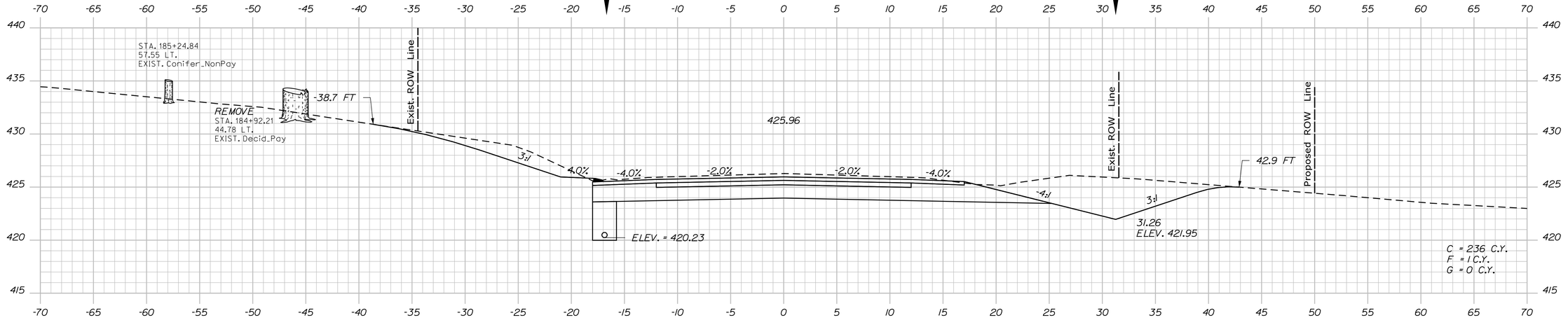
Sta. 184+00.00 to Sta. 184+50.00



185+55.05 (ALONG DRIVEWAY CENTERLINE)



185+50.00



185+00.00

Sta. 185+00.00 to Sta. 185+55.05

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN 17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

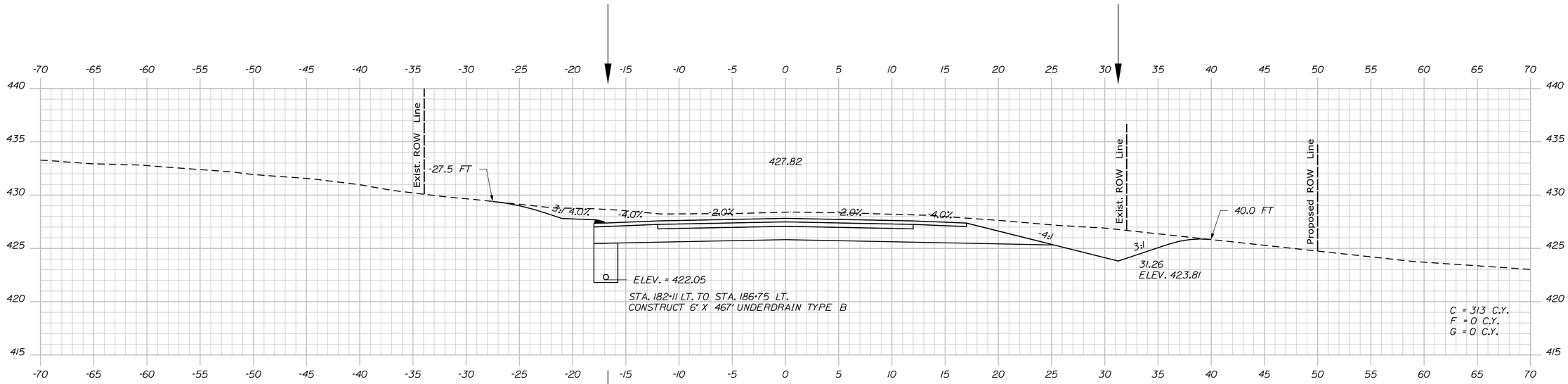
CROSS SECTIONS

SHEET NUMBER

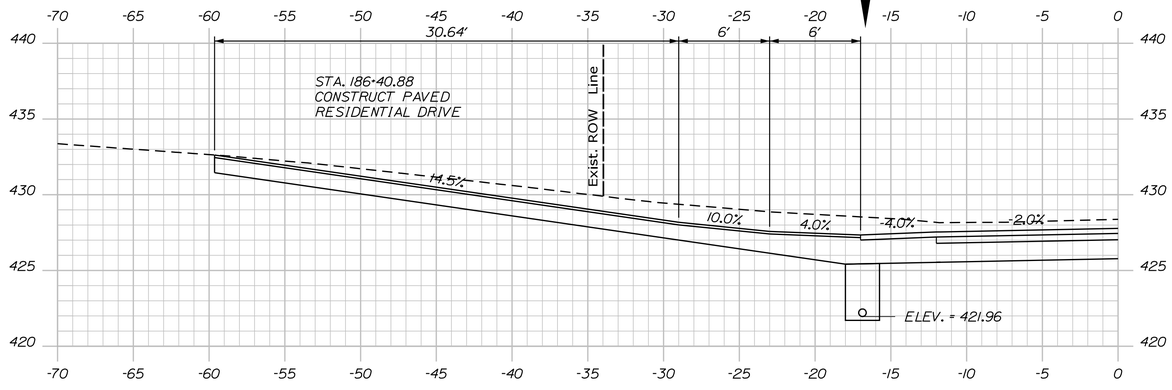
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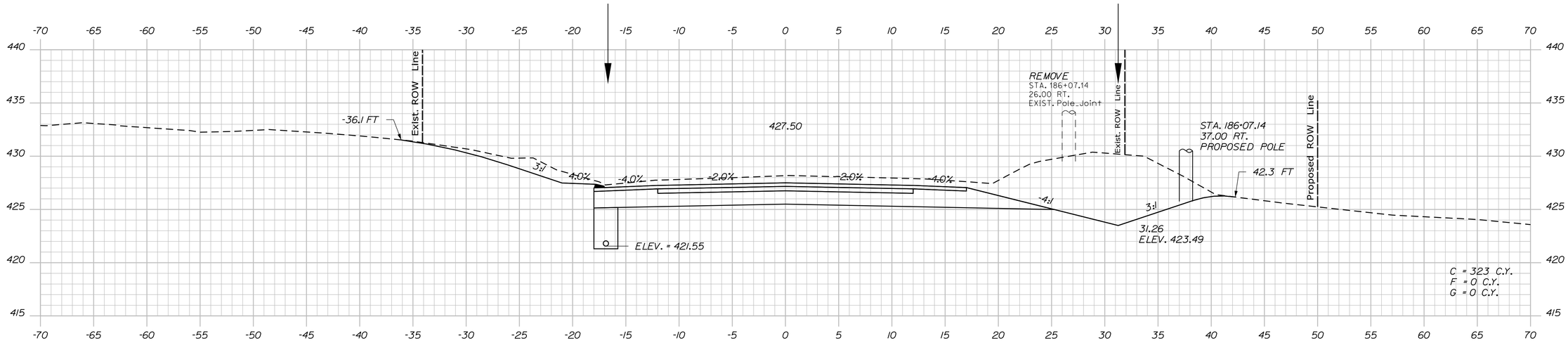
Filename: ...\MSTA\181_XSECT_185+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018



186+50.00



186+40.88 (ALONG DRIVEWAY CENTERLINE)



186+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

NH-1728(000)E

WIN
17280.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. CARRELL	
DESIGN-DETAILED	M. DEBOWSKI	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

FRYEBURG
US ROUTE 302

CROSS SECTIONS

SHEET NUMBER

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OF 364

Filename: ...\MSTA\182_XSECT_186+00.dgn Division: HIGHWAY Username: mdebowski Date:12/10/2018

Sta. 186+00.00 to Sta. 186+50.00