STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SKOWHEGAN
SOMERSET COUNTY
ROUTE 2

STATE PROJECT NO. 019153.00
PROJECT LENGTH : 0.10 MILES

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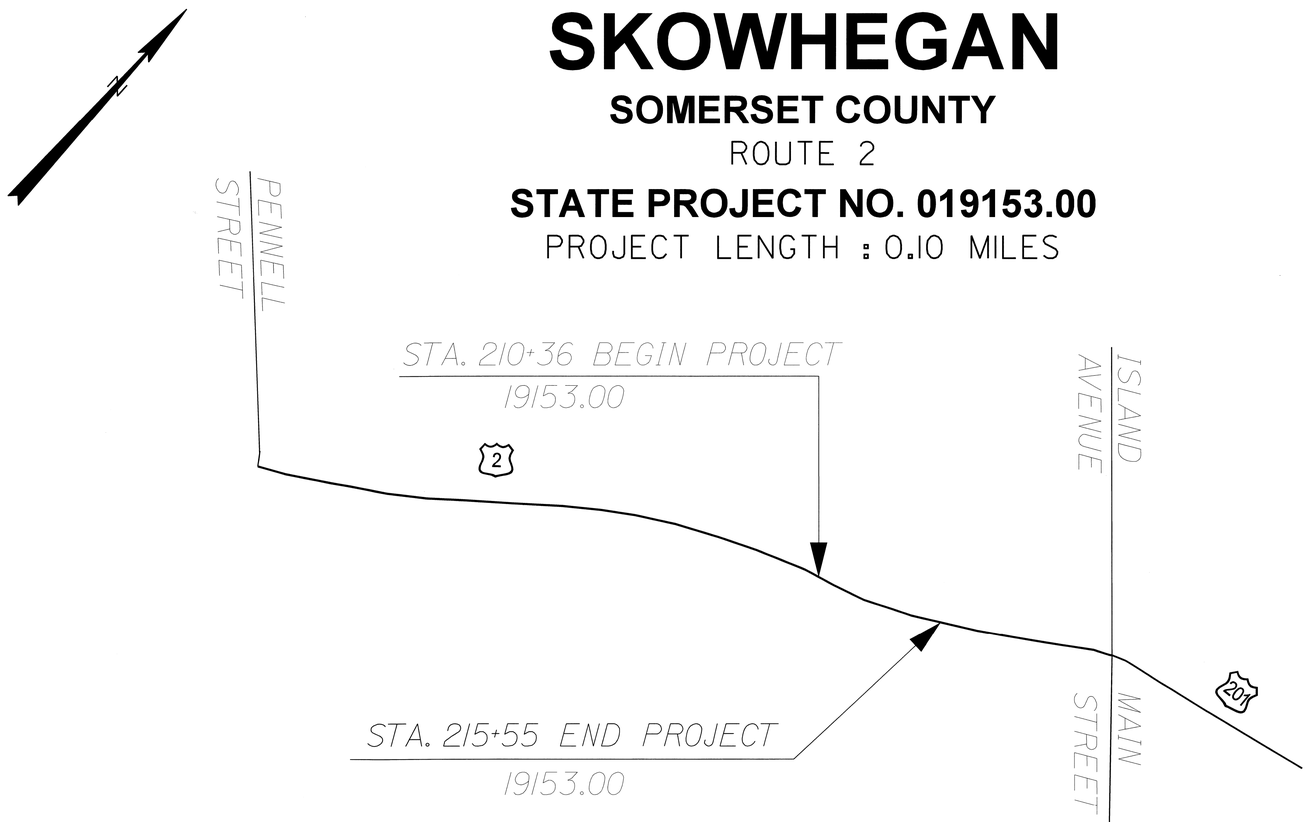


TRAFFIC DATA

Current (2013) AADT	9960
Future (2026) AADT	11160
DHV - % of AADT	13%
Design Hour Volume	1451
% Heavy Trucks (AADT)	9%
% Heavy Trucks (DHV)	9%
Directional Distribution (DHV)	55%
18 kip Equivalent P 2.0	1249
18 kip Equivalent P 2.5	1190
Design Speed (mph)	25
Functional Class:	Principle Arterial

PROJECT LOCATION:	PROJECT LOCATED ON ROUTE 2 APPROXIMATELY 600 FEET WEST OF THE INTERSECTION OF ROUTE 2 AND ROUTE 201 IN SKOWHEGAN.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	REPLACEMENT OF THE RETAINING WALL ALONG ROUTE 2 NEAR THE KENNEBEC RIVER

WIN 19153.00 019153.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER: DATE
CHIEF ENGINEER: 3/8/13

STATE OF MAINE Kaila Breskin 8581 LICENSED PROFESSIONAL ENGINEER

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	DOUGLAS COOMBS
DESIGNER	K. BRESKIN
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

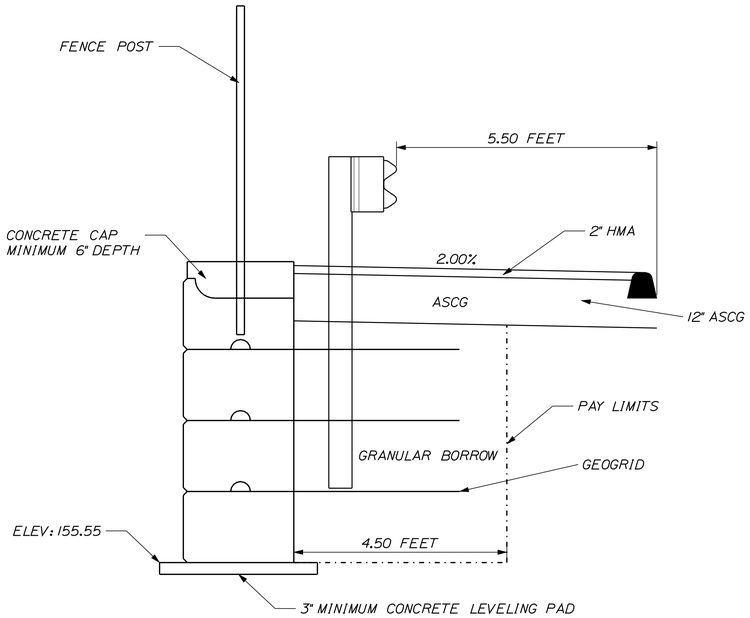
SIGNATURE 8581
P.E. NUMBER
3/7/2013
DATE

SKOWHEGAN ROUTE 2

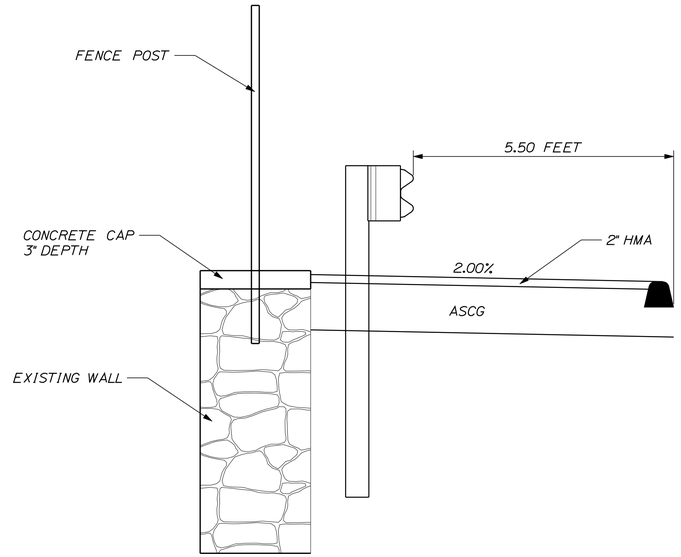
TITLE SHEET

SHEET NUMBER
1
OF 9

Filename: ...\00\HIGHWAY\MS1A\001_Title.dgn Division: GEOTECH Username: kitty.breskin Date:3/7/2013



CONCRETE BLOCK WALL DETAIL



EXISTING WALL DETAIL

NOTE:

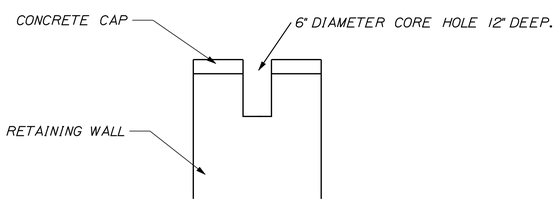
A GEOTECHNICAL DESIGN WILL NOT BE REQUIRED FOR THE RETAINING WALL.

RETAINING WALL WILL MEET THE REQUIREMENTS OF SPECIAL PROVISION 635. PRECAST CONCRETE BLOCK WALL. A "COBBLESTONE" FACE PATTERN SHALL BE USED AND THE CONCRETE BLOCKS SHALL BE TINTED GREY TO MINIUMIZE THE VISUAL CHANGE FROM THE EXISTING STONE WALL.

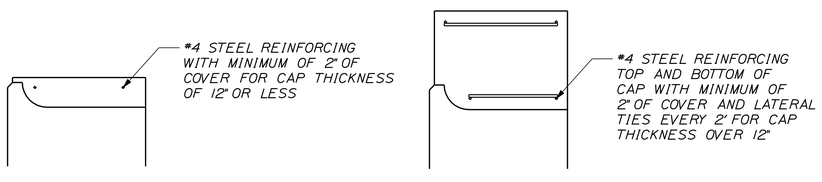
GEOGRID REINFORCEMENT IS REQUIRED FROM STATION 213+07 TO 214+77. GEOGRID REINFORCEMENT SHALL BE MIRAFI 3XT OR EQUAL AND INSTALLED ACCORDING TO THE MANUFACTURE'S INSTURCTIONS. TOTAL EMBEDMENT SHALL BE 6 FEET IN LENGTH MEASURED FROM THE FRONT FACE OF THE WALL. GEOGRID WILL BE PLACED BETWEEN ALL LAYERS OF BLOCKS.

REMOVAL OF THE WALL FROM STATIONS 213+07 TO STATON 215+25 WILL BE CONSIDERED INCIDENTAL TO THE WALL ITEM. EXISTING WALL STONES WILL BE REMOVED TO APPROXIMATE ELEVATION OF 155.30 AND A NEAT CONCRETE LEVING PAD WITH TOP ELEVATION OF 155.50 WILL BE FORMED INPLACE.

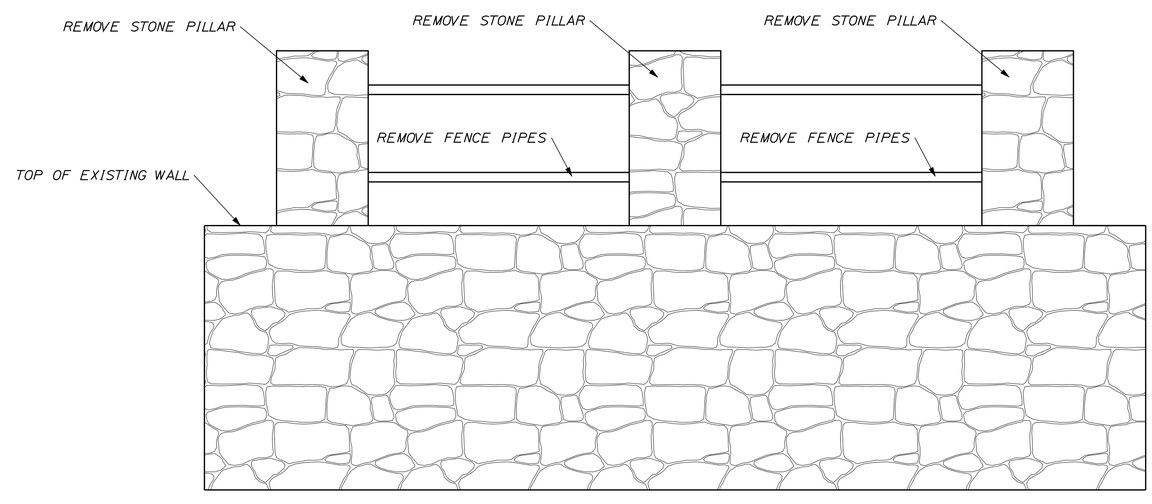
BLOCKS WILL BE BUTTED UP TO EXISTING STONE WALL AT STATION 213+07 AND STATION 215+25. GEOTEXTILE WILL BE PLACE BEHIND THE JOINTS TO PREVENT LOSS OF SOIL.



FENCE POST CORE DETAIL



CONCRETE CAP DETAIL



REMOVE ALL STONE PILLERS (APPROX 24) AND FENCE PIPES FROM TOP OF EXISTING WALL WITHIN STATIONS 210+80.89 TO 213+07.70. REMOVAL TO BE INCIDENTAL TO THE CONCRETE CAP ITEM

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

01953.00

WIN 19153.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	D. COOMBS		
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SKOWHEGAN
ROUTE 2

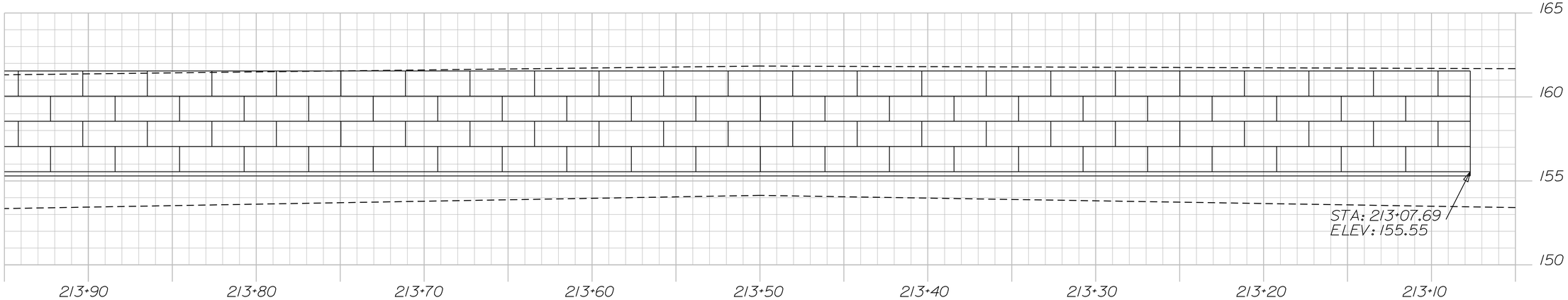
TYPICAL SECTIONS

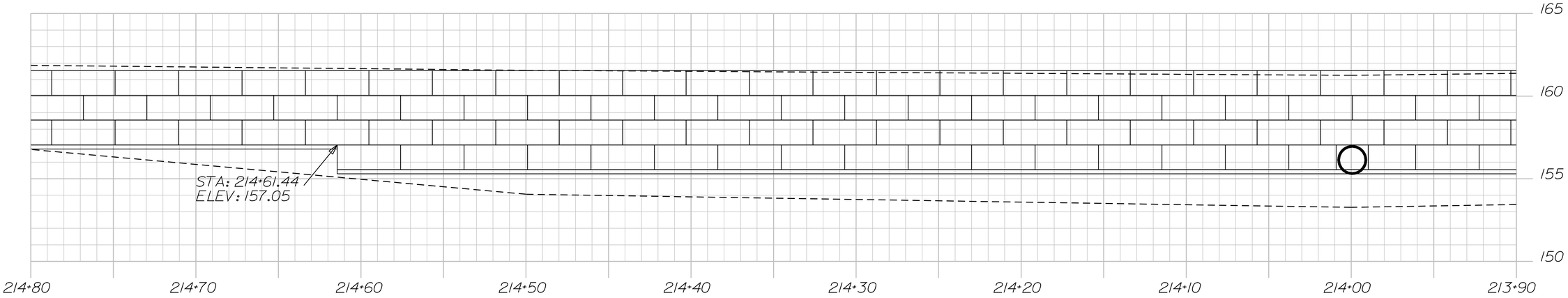
SHEET NUMBER

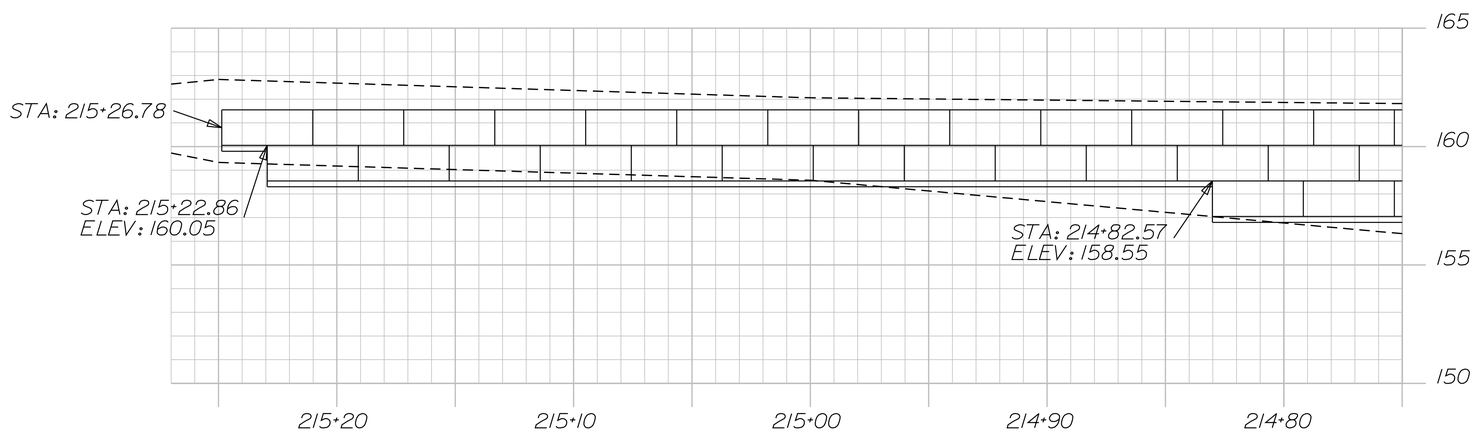
2

OF 9

Filename: ...\highway\rnsta\002_Typical.dgn Division: HIGHWAY Username: common Date:3/12/2013







NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019153.00

WIN
19153.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	D. COOMBS		
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SKOWHEGAN
ROUTE 2

TYPICAL SECTIONS

SHEET NUMBER

3

OF 9

Date:3/12/2013

Username: common

Division: HIGHWAY

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STA. 10+00.00 TO STA. 17+00.00

SHEET NUMBER 4 OF 9

SKOWHEGAN
ROUTE 2

PLANS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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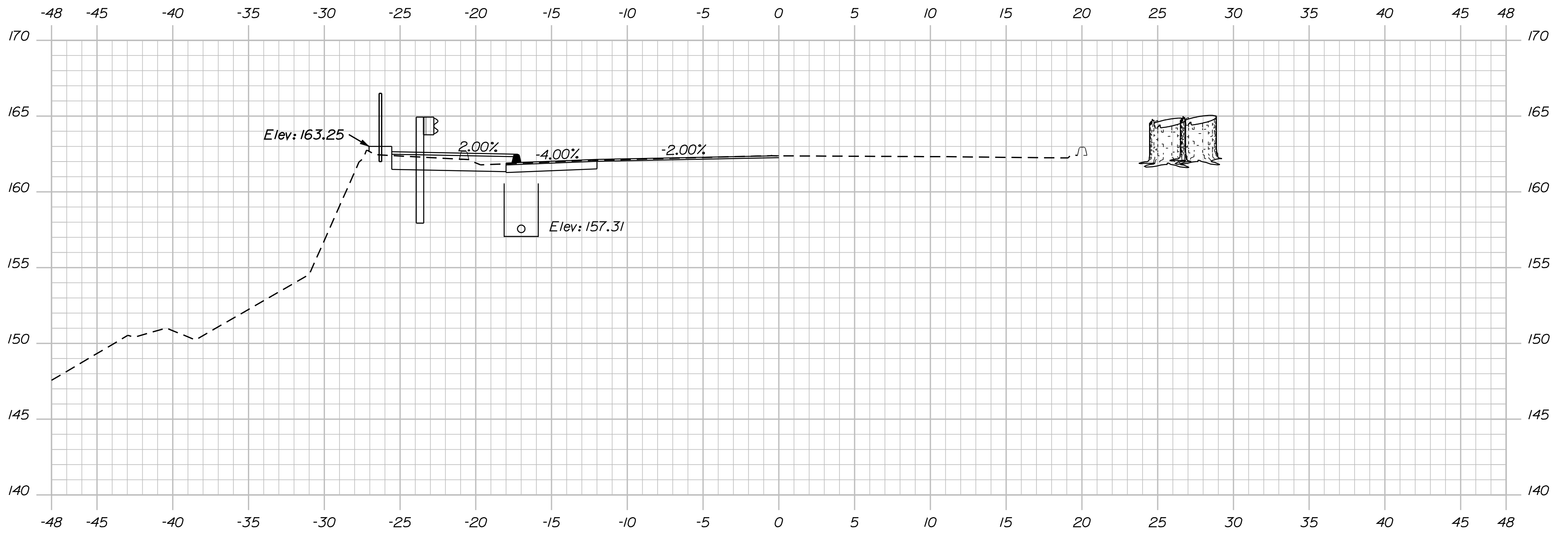
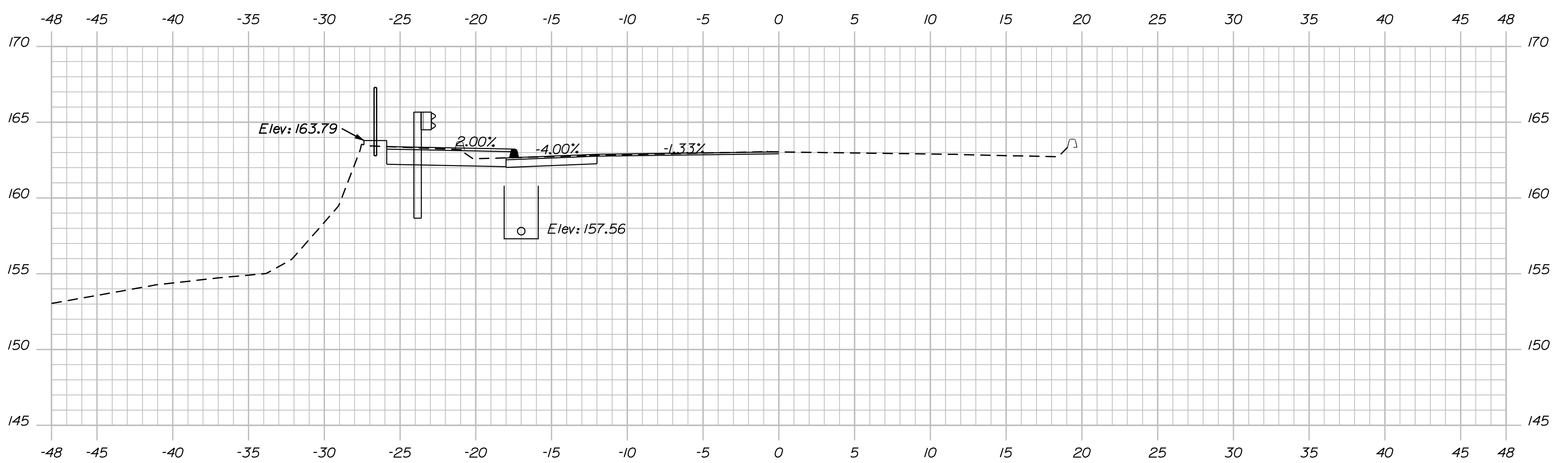
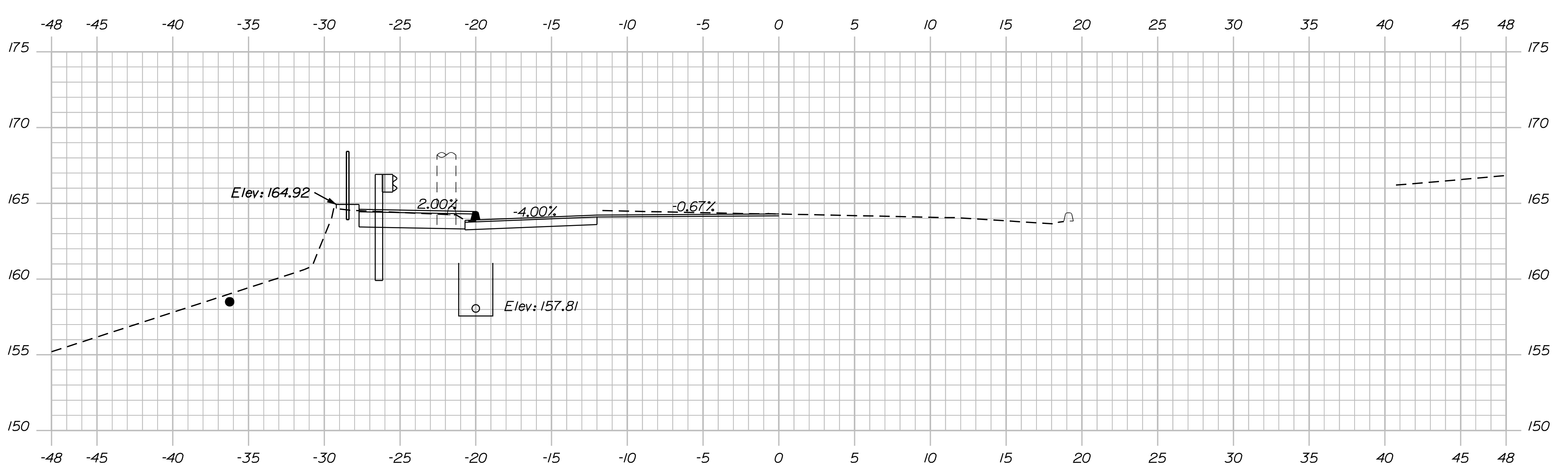
HIGHWAY PLANS



212+00.00



211+50.00



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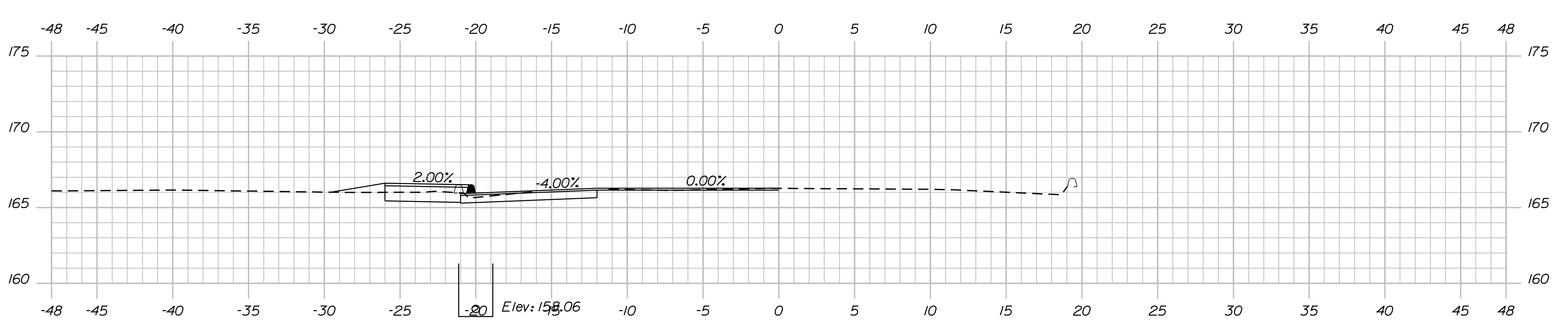

210+50.00

Sta. 210+50.00 to Sta. 212+00.00

SHEET NUMBER 5 OF 9

CROSS SECTIONS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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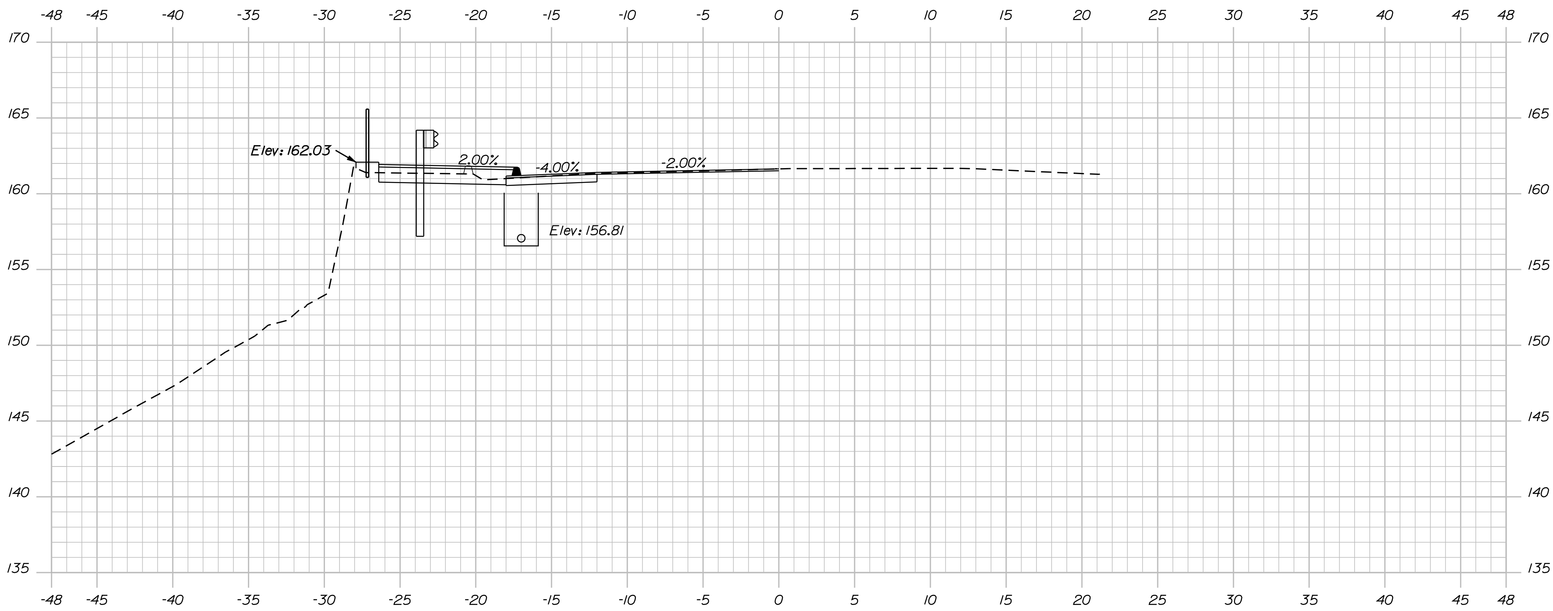

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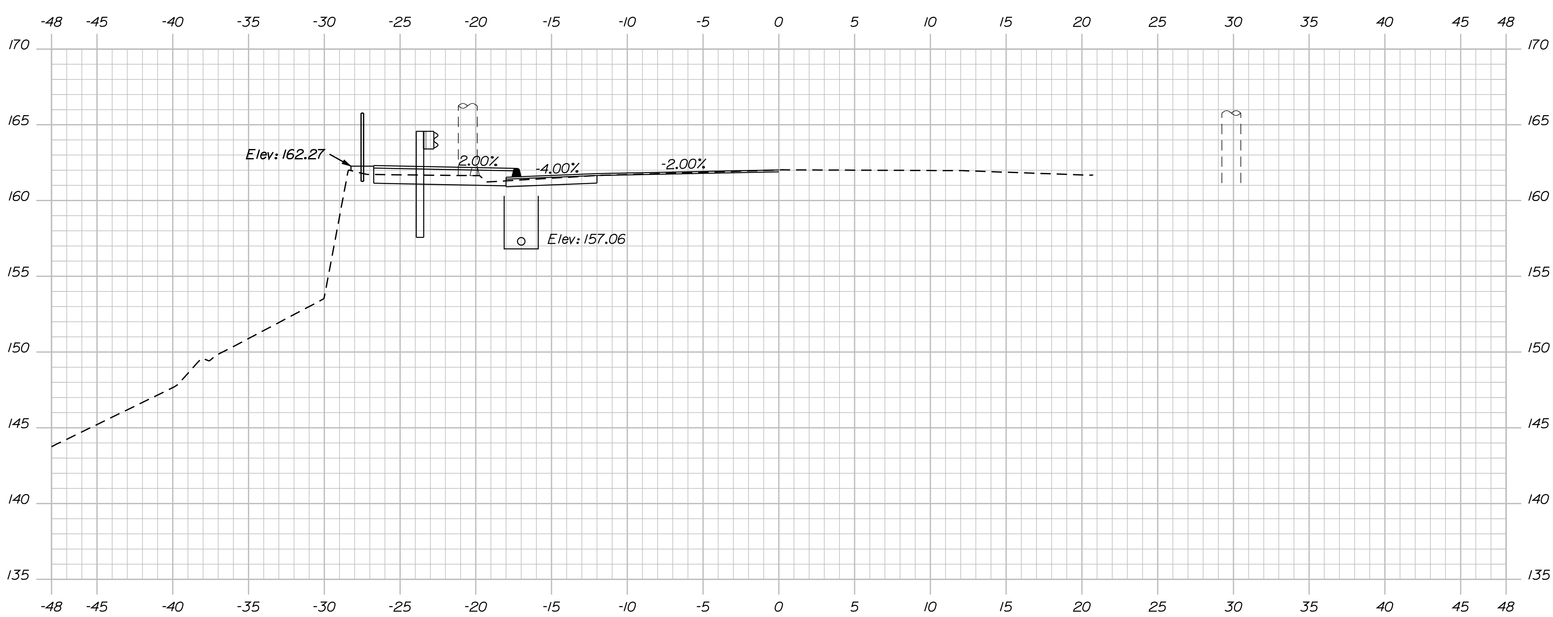

212+50.00

Sta. 212+50.00 to Sta. 213+00.00

SHEET NUMBER 6 OF 9

CROSS SECTIONS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

STATE OF MAINE
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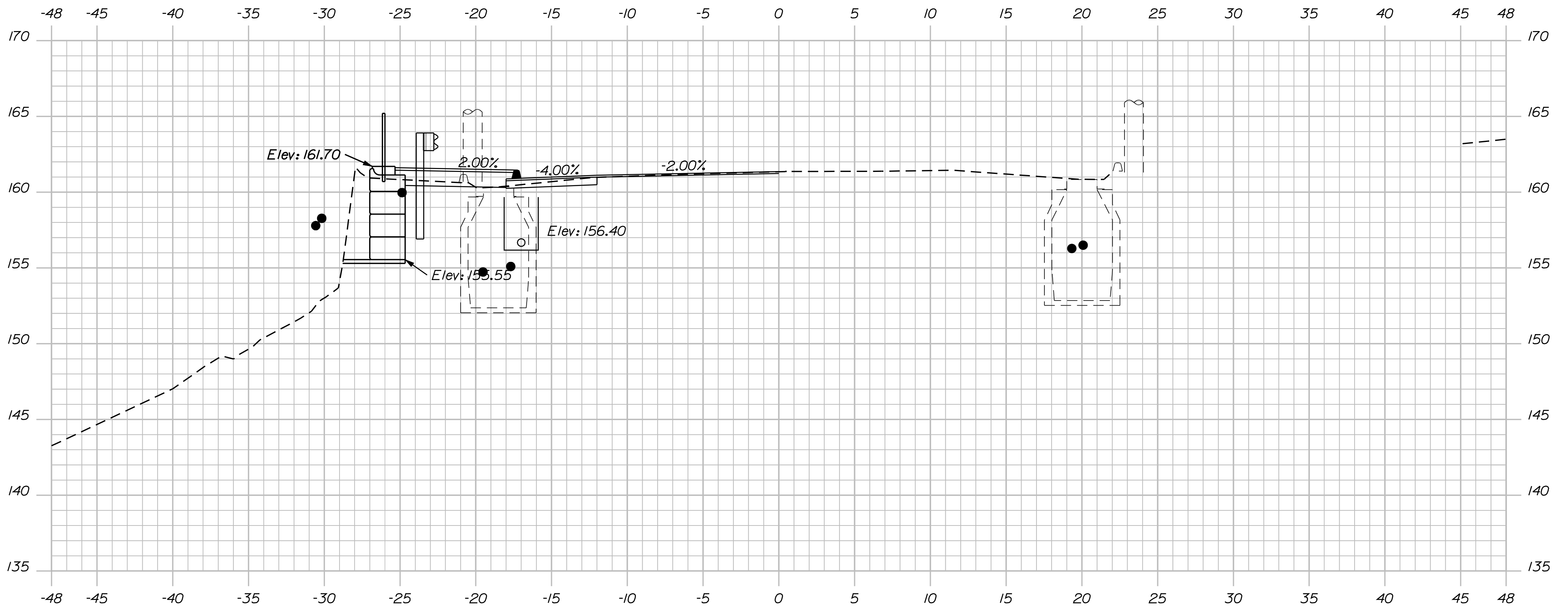

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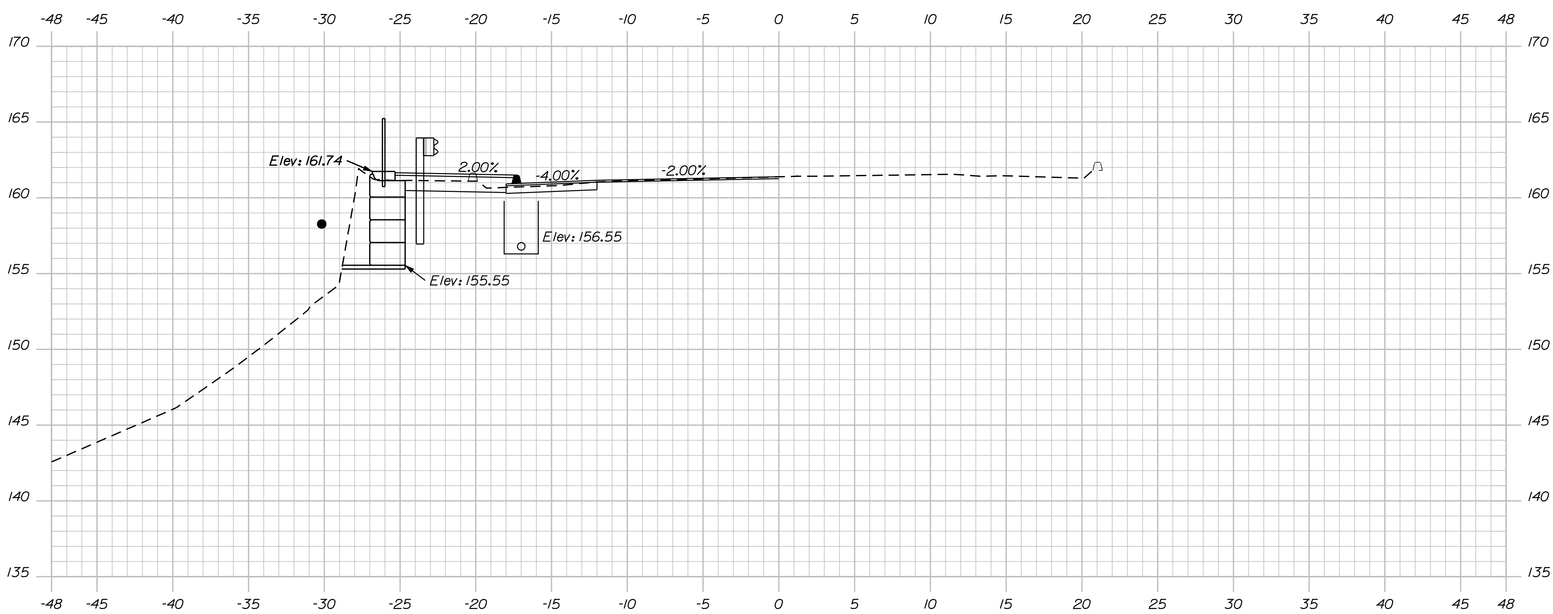

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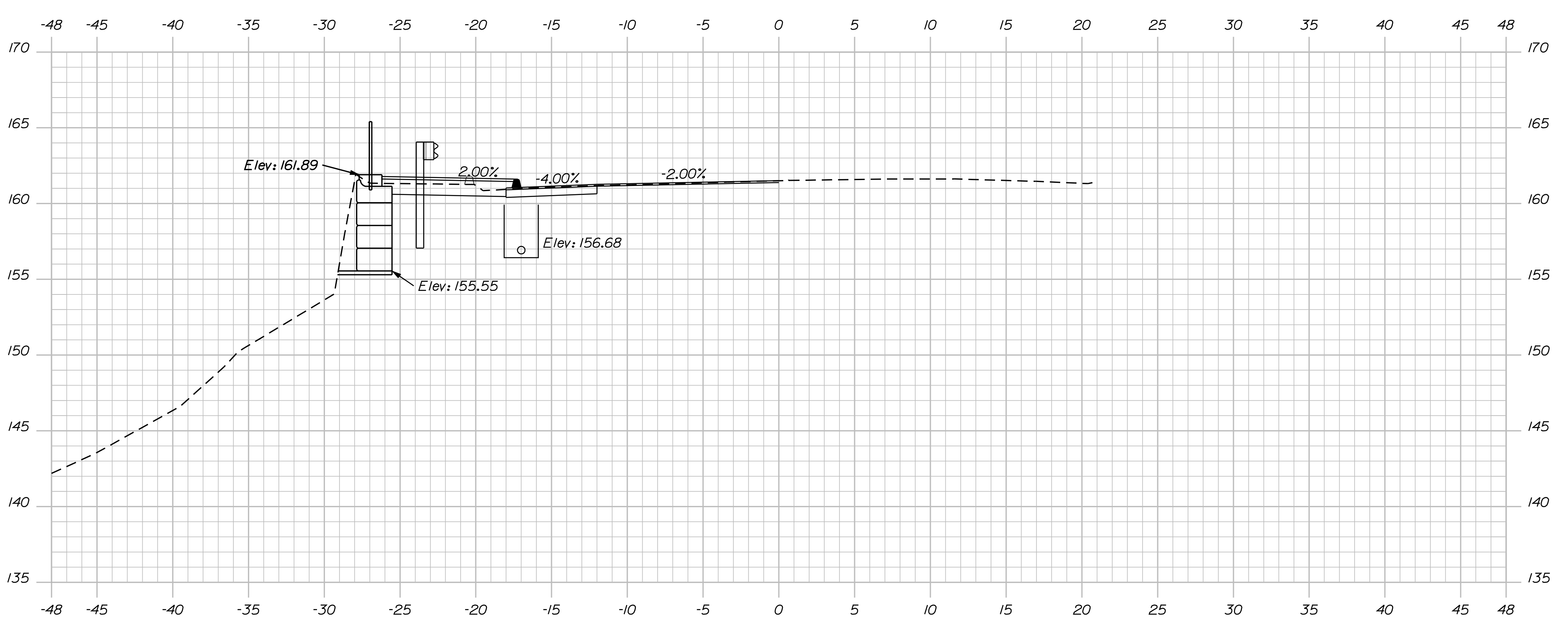

213+25.00

Sta. 213+25.00 to Sta. 213+50.00

SHEET NUMBER 7 OF 9

CROSS SECTIONS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
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WIN
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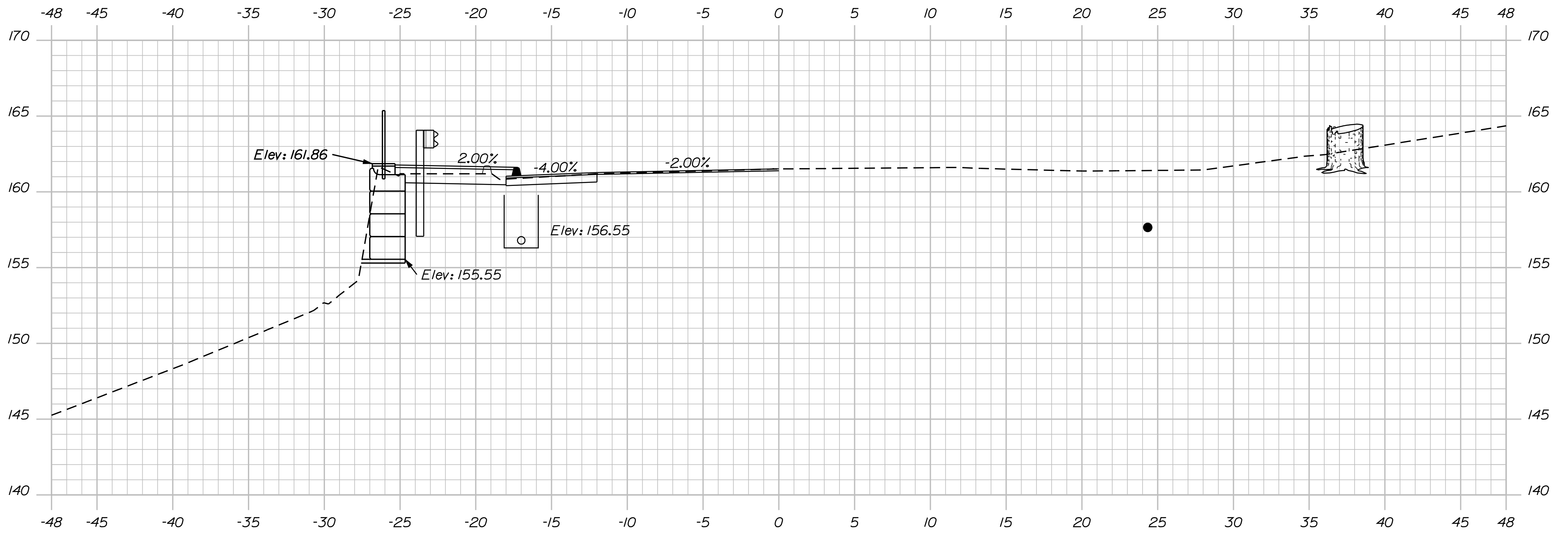
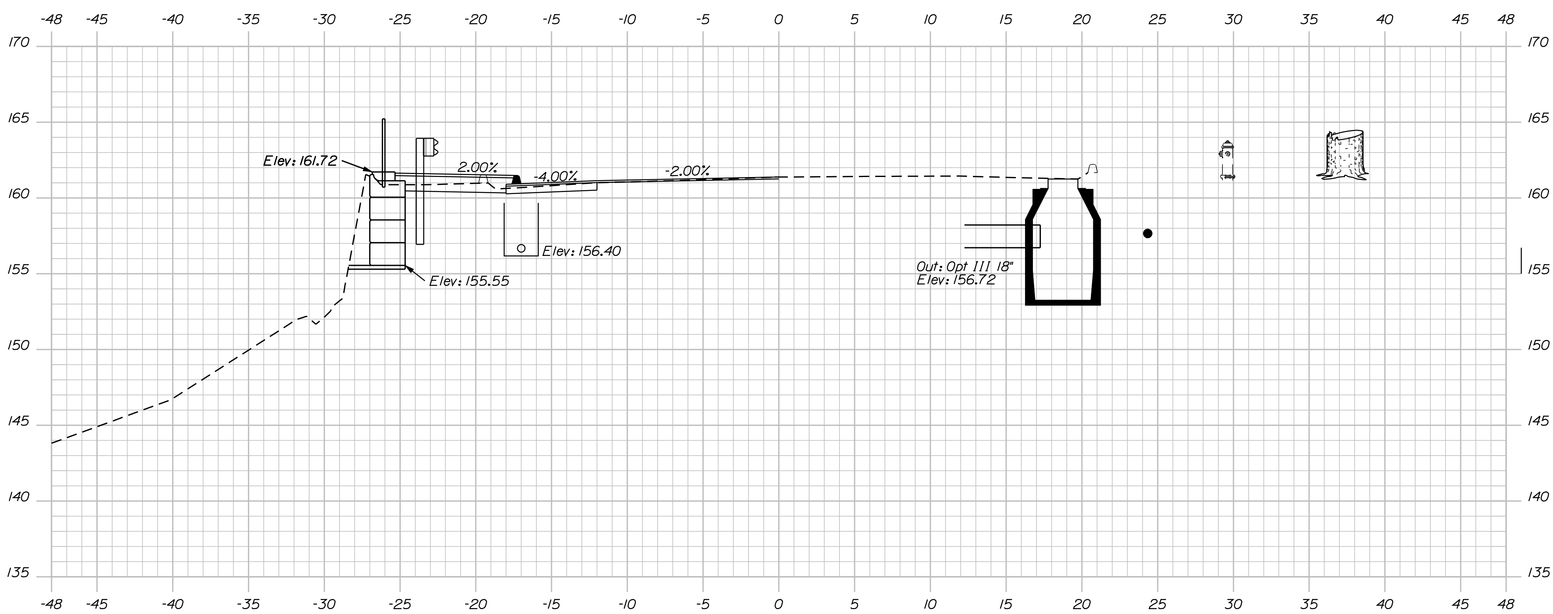


214+50.00



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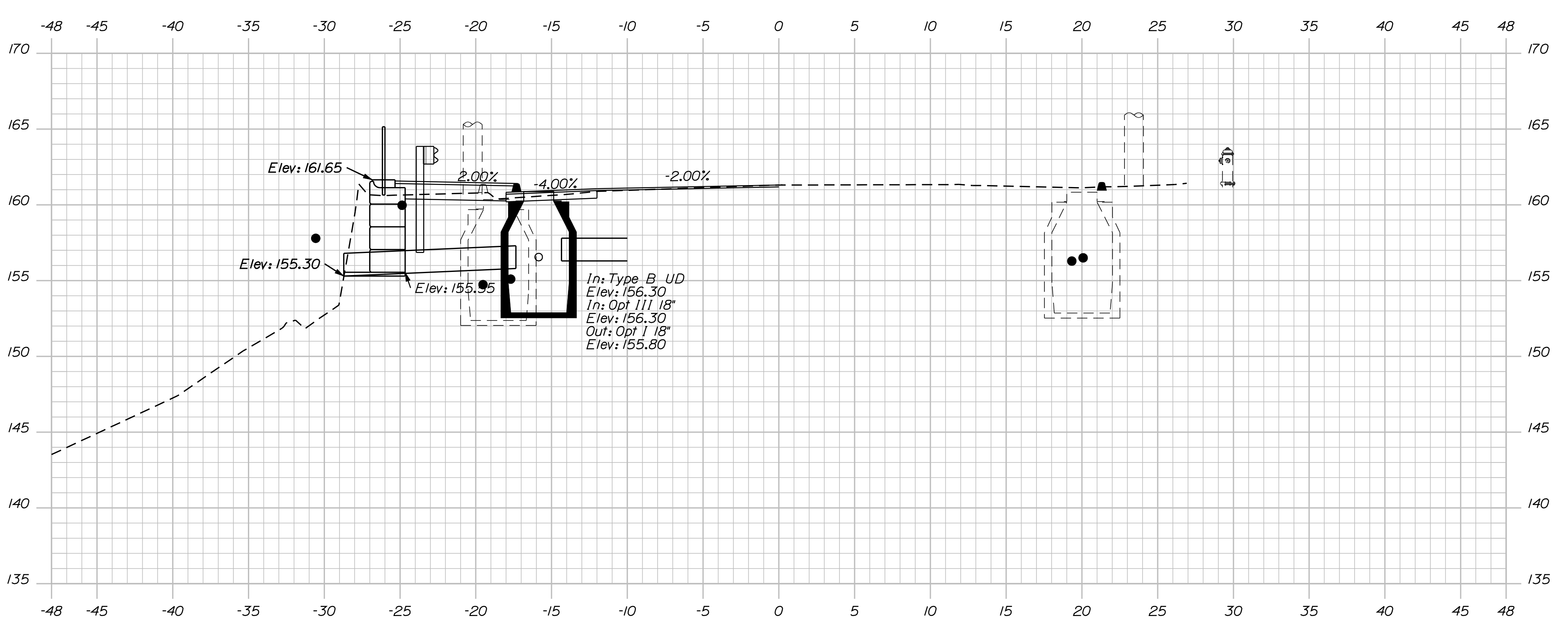

214+00.00

Sta. 213+75.00 to Sta. 214+25.00

SHEET NUMBER 8 OF 9

CROSS SECTIONS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
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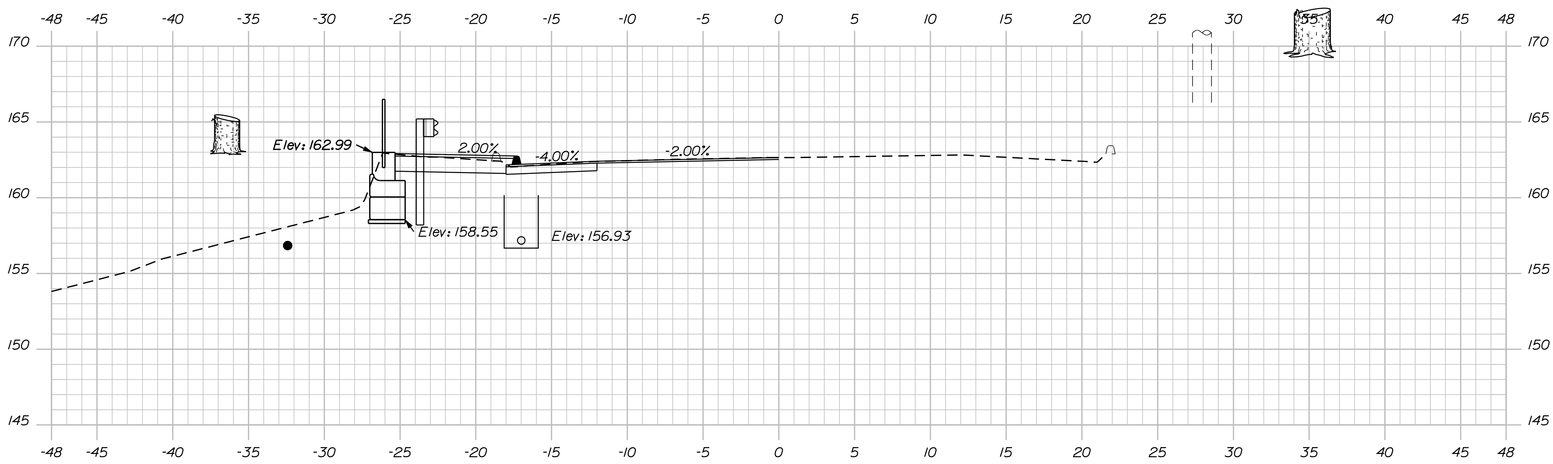
19153.00



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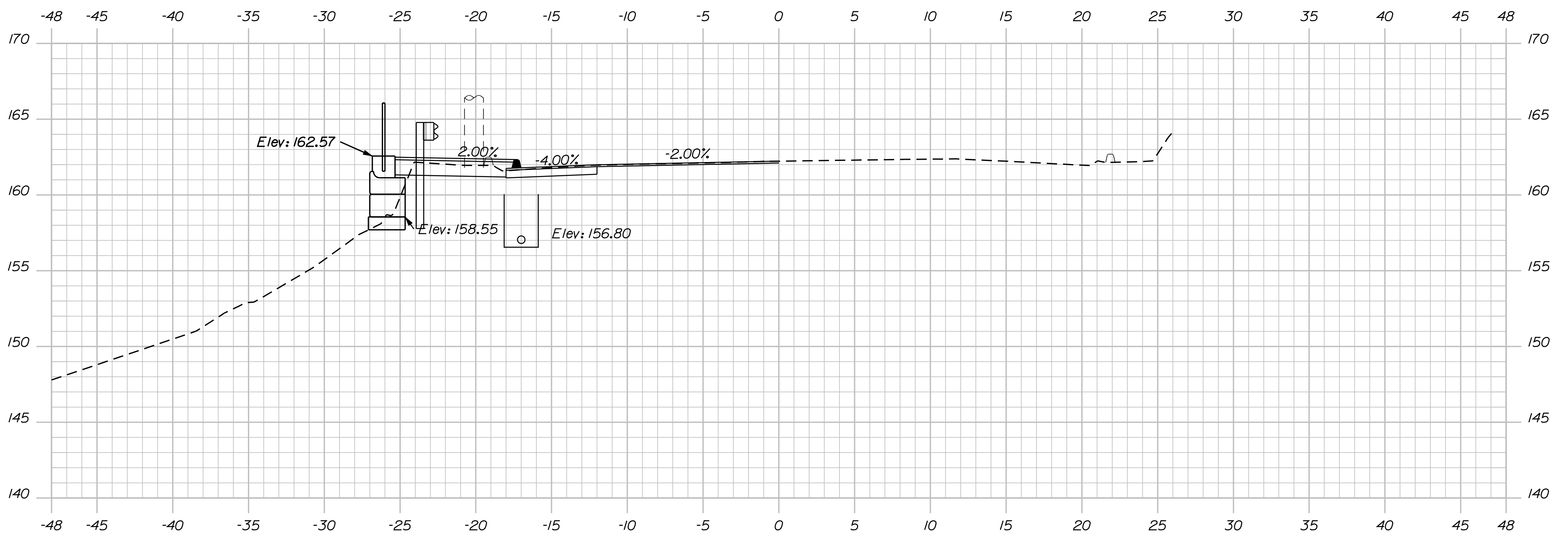

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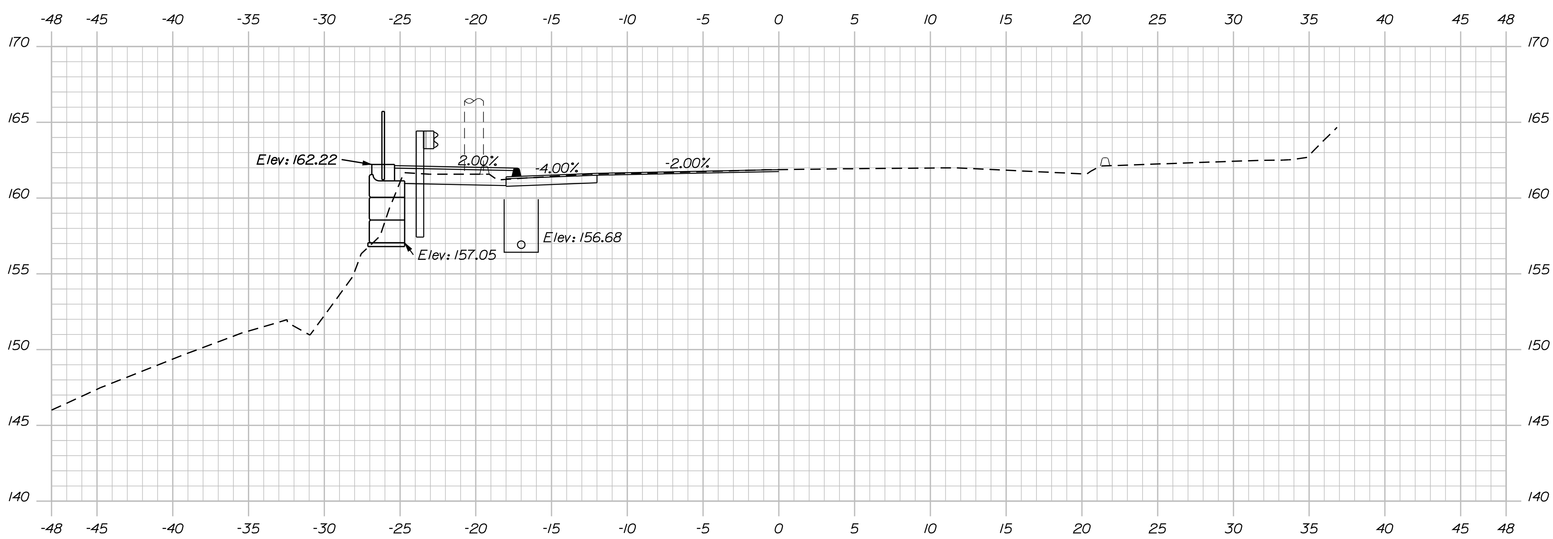

214+75.00

Sta. 214+50.00 to Sta. 215+25.00

SHEET NUMBER 9 OF 9

CROSS SECTIONS

PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	B. MOUSSEAU		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	FEB 2013
DESIGN3-DETAILED3			
REVISIONS 1			
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