STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

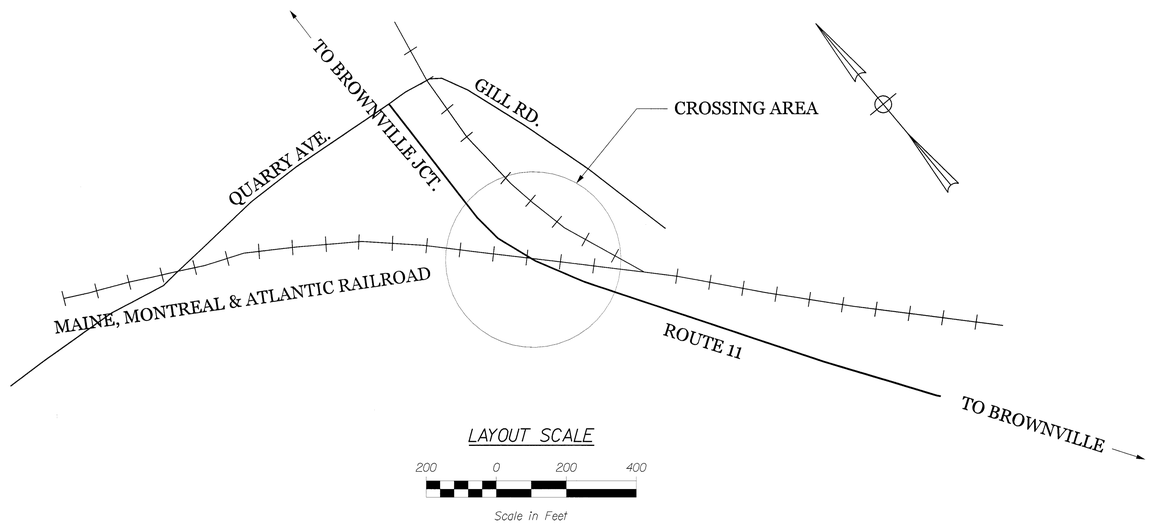
PLAN LEGEND

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

BROWNVILLE
PISCATAQUIS COUNTY
ROUTE 11
WIN 18412.00
STP - 1841(200)X
PROJECT LENGTH : 0.01 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Estimate/Notes	2
Plan	3
Typical Sections	4
Roadway Profile	5
Rail Profile	6
Drainage Details	7
Roadway Cross Sections	8-13
Detour Plan	14-15



TRAFFIC DATA

Current (2013) AADT	2040
Posted Speed (mph)	40

PROJECT LOCATION:	Approximately 1.00 miles North along Route 11 from Brownville town line
PROGRAM AREA:	Multimodal Program
SCOPE OF WORK:	Railroad Track Crossing Rehabilitation

WIN 18412.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED
COMMISSIONER: [signature] DATE 8/12/13
CHIEF ENGINEER: [signature] 8-12-13

STATE OF MAINE ★ PROFESSIONAL ENGINEER ★ Richard J. Crawford 9841 LICENSED

SIGNATURE [signature] 9841
P.E. NUMBER
DATE: August 9, 2013

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	CATHERINE RAND
ENGINEER	BRENDAN MORAN
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

BROWNVILLE
ROUTE 11

TITLE SHEET

SHEET NUMBER
1
OF 15

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: Brendan.S.Moran Date:8/9/2013

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	330	CY
211.30	DITCH EXCAVATION	395	LF
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	75	TON
403.213	HOT MIX ASPHALT 12.5 MM HMA BASE	150	TON
409.15	BITUMINOUS TACK COAT- APPLIED	30	GAL
411.10	UNTREATED AGGREGATE SURFACE COURSE, TRUCK MEASURE	62	CY
504.07	CONCRETE PIPE TIES	6	GP
603.411	24 INCH REINFORCED CONCRETE PIPE CLASS V	32	LF
610.18	STONE DITCH PROTECTION	34	CY
613.319	EROSION CONTROL BLANKET	100	SY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	3	UN
619.1201	MULCH - PLAN QUANTITY	3	UN
620.58	EROSION CONTROL GEOTEXTILE	85	SY
620.60	SEPARATION GEOTEXTILE	360	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING	510	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	238	SF
629.05	HAND LABOR, STRAIGHT TIME	20	HR
647.010	NEW 115 RE TIMBER AND BALLASTED TRACK CONSTRUCTION	160	TF
647.032	NEW 115 RE TO 100 RA TRANSITION IN BALLASTED TRACK	4	EA
648.312	BALLAST	364	TON
648.511	REMOVE AND RELAY EXISTING TRACK	100	TF
648.53	REMOVE EXISTING TRACK - AT GRADE	160	TF
648.70	FINAL TAMPING, LINING AND SURFACE	525	TF
652.312	TYPE III BARRICADE	6	EA
652.33	DRUM	4	EA
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	644	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	10	CD
652.38	FLAGGERS	80	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL NOTES:

1. THE MAINE DEPARTMENT OF TRANSPORTATION'S "BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL"(REV. 2008) SHALL APPLY TO ALL PROJECT WORK.
2. WORK PERFORMED UNDER THIS PROJECT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH MAINE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS" (REV 2002) AND ANY SUPPLEMENTALS THERETO, TOGETHER WITH THE "STANDARD DETAILS" (REV 2002) AS MODIFIED BY THE PLANS OR SPECIFICATION SPECIAL PROVISIONS.

CONSTRUCTION NOTES:

1. ALL PAVEMENT AND WASTE MATERIAL SHALL BE REMOVED AND DISPOSED OF IN A LAWFUL MANNER.
2. INSTALL 160 FOOT CROSSING PANEL OF 115 POUND WELDED RAIL. ADJUST EXISTING 100 POUND RAIL AT EACH END OF CROSSING PANEL TO FINISHED SURFACE ELEVATION. ACTUAL AMOUNT OF EXISTING RAIL TO BE ADJUSTED WILL BE DETERMINED IN THE FIELD BY THE RESIDENT.
3. ALL AREAS OF EXCAVATION BEYOND LIMITS OF FULL DEPTH RAILROAD CONSTRUCTION SHALL BE BACKFILLED USING ITEM 411.10 UNTREATED AGGREGATE SURFACE COURSE, TRUCK MEASURE.
4. CONTRACTOR SHALL REGRADE EXISTING FEATURES TO ENSURE PROPER DRAINAGE. CONTRACTOR SHALL PROVIDE FILL OVER NEW DRAINAGE PIPING AS DIRECTED BY THE RESIDENT.
5. ALL NEW PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST VERSION OF THE MUTCD.
6. THE ROAD SECTION OVER THE RAILROAD CROSSING WILL HAVE A MINIMUM OF (2) 11 FOOT TRAVELWAYS AND 5 FOOT SHOULDERS.
7. 7"x 9"x 9' TIES SHALL BE INSTALLED FOR THE CROSSING PANEL AND BE FULLY BOX ANCHORED OUTSIDE OF ROAD CROSSING. ALL APPROACH TIES WITHIN 200 FEET OF CROSSING SHALL BE FULLY BOX ANCHORED. TIES WITHIN RAIL CROSSING REQUIRE A 2 INCH LAYER OF COMPACTED BALLAST STONE OVER TOP OF TIE PRIOR TO PAVING.
8. FOR PAY ITEM 620.60, RAIL CROSSING GEOTEXTILES SHALL BE THE FOLLOWING MINIMUM WEIGHTS: 8oz/sy FOR NON-WOVEN FABRICS AND 6oz/syFOR WOVEN FABRICS
9. CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION OF THE PROJECT.
10. ALL DITCHING SHALL BE PAID UNDER ITEM 211.30. EXCAVATION OF ROAD, TRACK AND CULVERT SHALL BE PAID UNDER ITEM 203.20.
11. MATERIAL FOR EARTH BERMS SHALL BE SUITABLE EXCAVATED MATERIAL, SEEDED AND MULCHED, AS DIRECTED BY THE RESIDENT.
12. THE CONTRACTOR SHALL USE COMPROMISED JOINT BAR OR FIELD WELD TO ATTACH 100# RA RAIL TO 115# RE RAIL.
13. EXISTING TRACK MATERIAL TO BE RELAYED 50 FEET ON EACH END OF CROSSING.
14. 40 FOOT RAIL STICKS ARE ACCEPTABLE FOR CROSSING PANEL CONSTRUCTION. WELDED JOINTS AND RAILSEAL AROUND WELDED JOINTS SHALL BE APPROVED BY THE RAILROAD AND THE RESIDENT
15. THE CONTRACTOR SHALL NOT DAMAGE EXISTING FLASHER CABLE UNDERNEATH ROADWAY. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNAL CABLES.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND		BY	DATE
DESIGN-DETAILED	BSM	BSM	8/7/2013
CHECKED-REVIEWED	JT	JT	8/9/2013
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE:

BROWNVILLE, ME
ROUTE 11

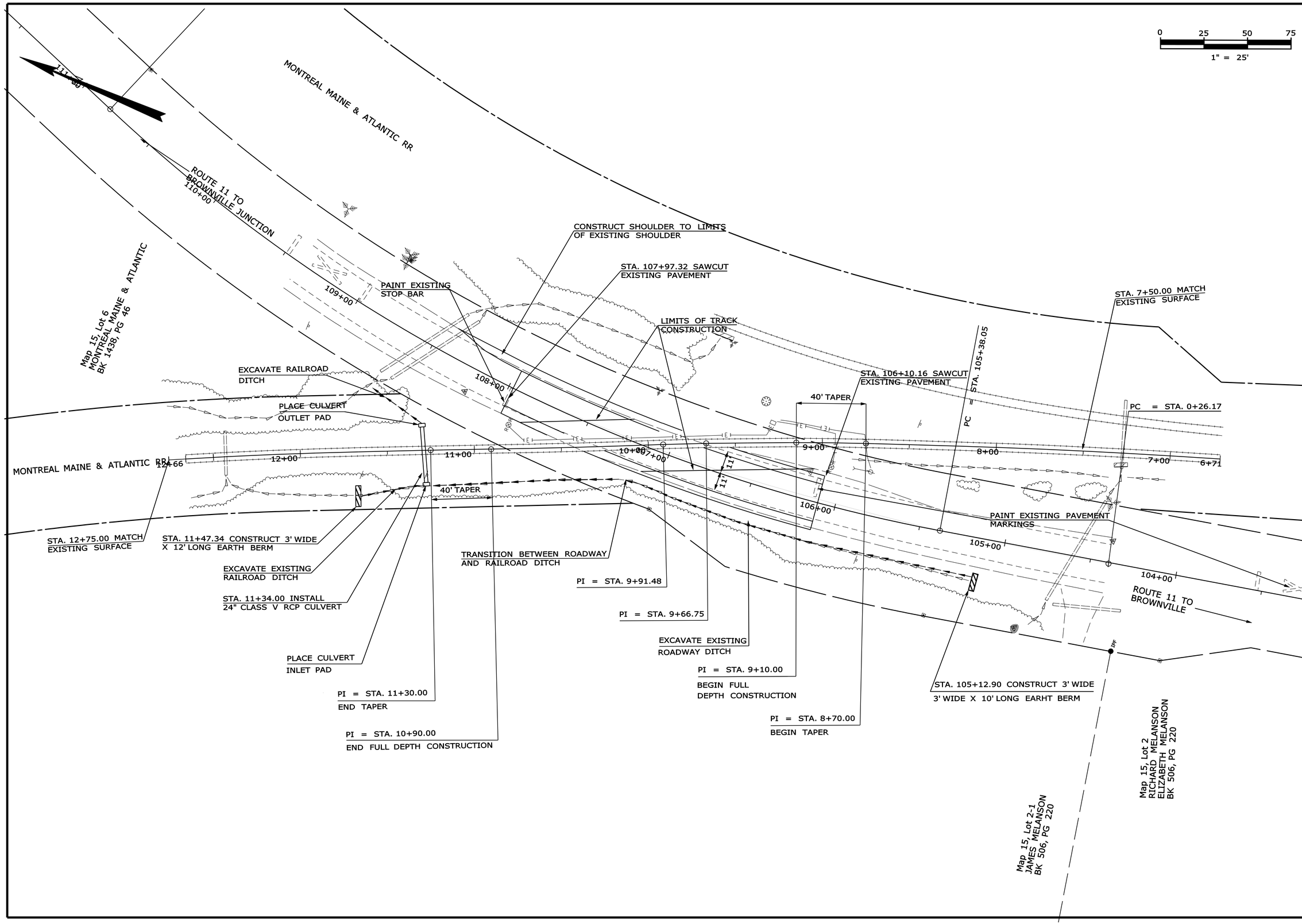
ESTIMATE AND NOTES

SHEET NUMBER

2

OF 15

Filename: ...\highway\msto\002_Estimate.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

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PROJ. MANAGER CATHERINE RAND		
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DESIGN3-DETAILED3		
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REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

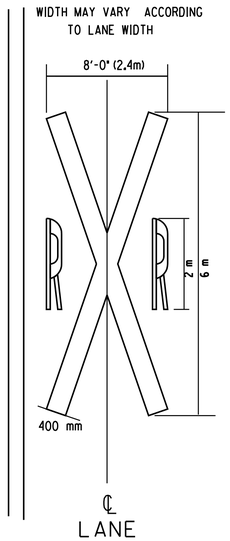
PLANS

SHEET NUMBER

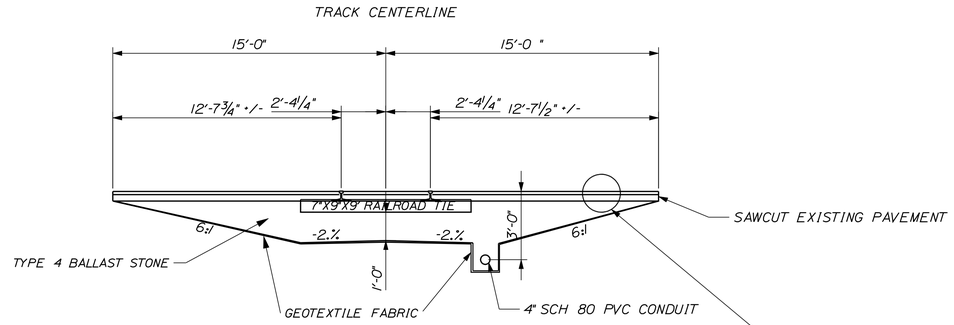
3

OF 15

Filename: ...\highway\rmsto\003_HDPlan1.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013



PAVEMENT MARKINGS AT RAILROAD GRADE CROSSINGS



RAILROAD CROSSING CROSS SECTION

NOTE:

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

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

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

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

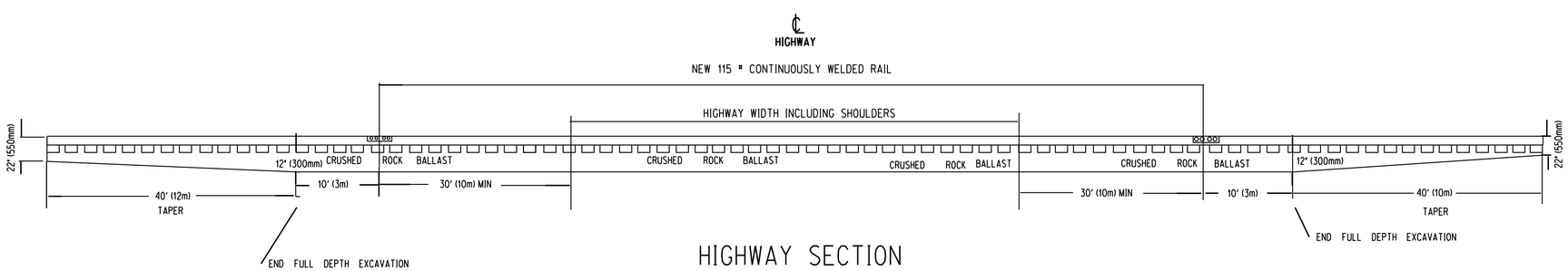
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

7. GEOTEXTILE FABRIC MUST COVER 30' WIDE SUBGRADE SECTION THROUGH CROSSING AND EXTEND 10' FROM EDGE OF PAVEMENT ON BOTH TRACK APPROACHES.

8. RAISE EXISTING TRACK CENTERLINE 3" AT STATION 10+00.

9. ELEVATIONS ARE APPROXIMATE. ACTUAL ELEVATIONS SHALL BE DETERMINED IN THE FIELD



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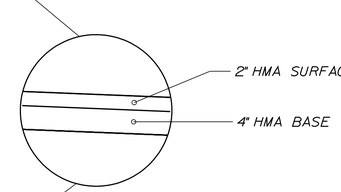
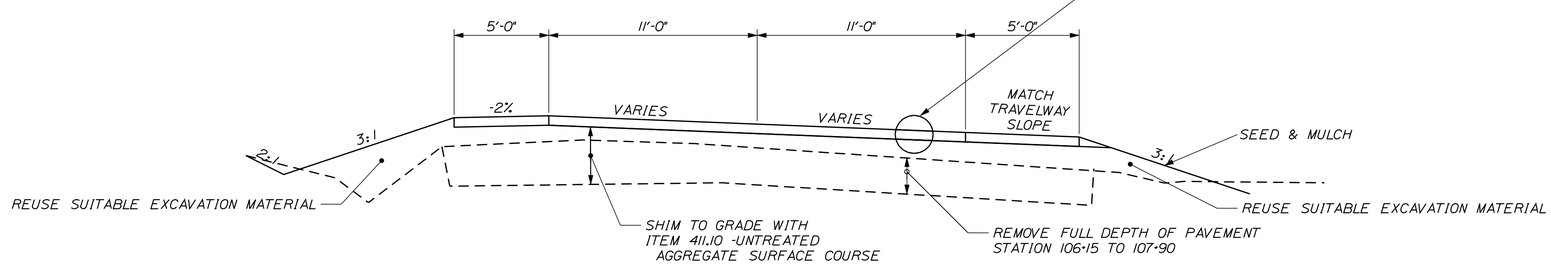




ROUTE 11 CROSS SECTION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND			
DESIGN-DETAILED	BSM	BY	DATE
CHECKED-REVIEWED	JT	BSM	8/7/2013
DESIGN2-DETAILED2		JT	8/9/2013
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

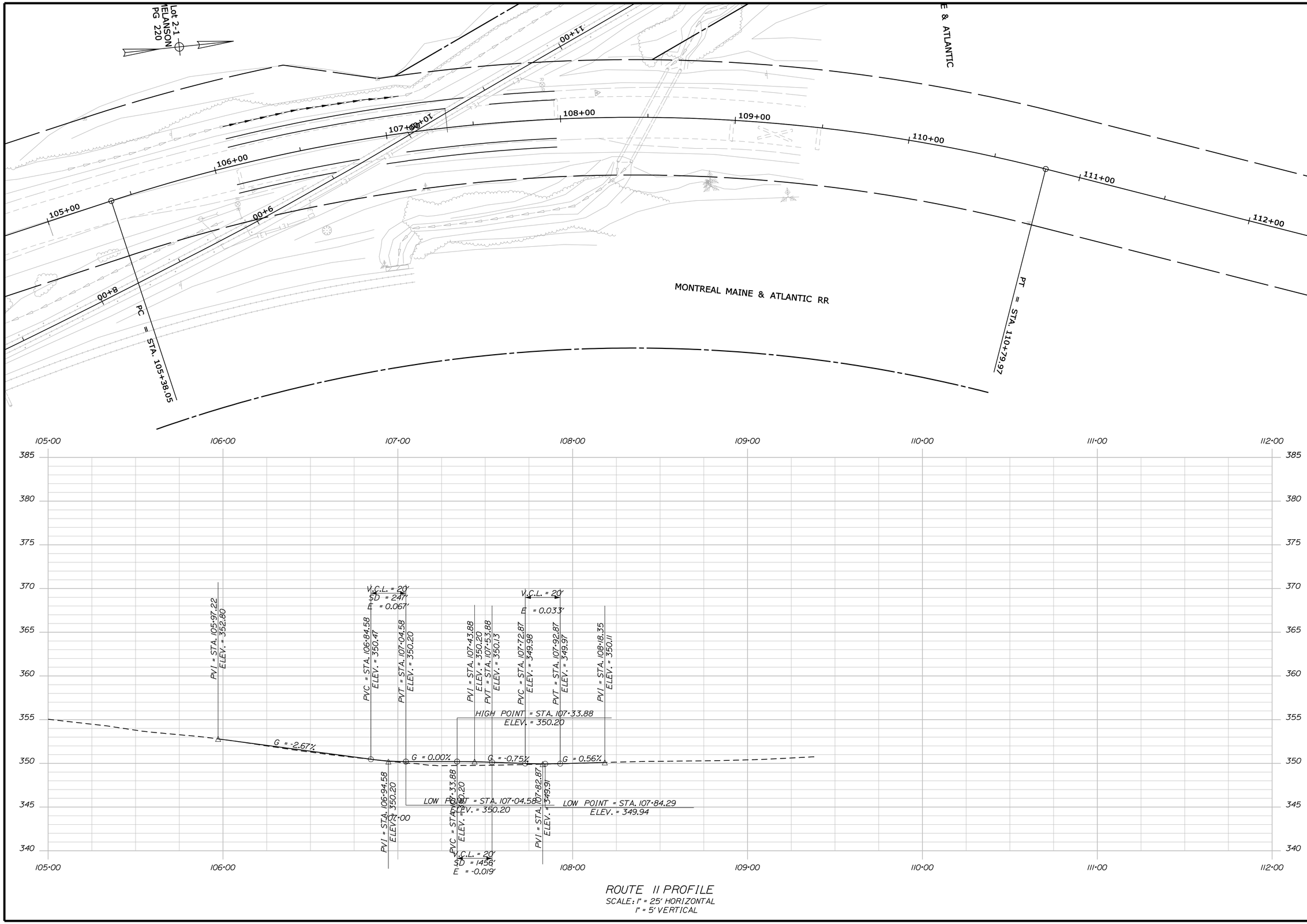
TYPICAL SECTIONS

SHEET NUMBER

4

OF 15

Filename: ...\msta\004_Typical_sections.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013



ROUTE 11 PROFILE
SCALE: 1" = 25' HORIZONTAL
1" = 5' VERTICAL

STA. 5+00.00 TO STA. 12+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	BY	DATE
DESIGN-DETAILED	BSM	BSM	8/7/2013
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DESIGN3-DETAILED3			
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REVISIONS 2			
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REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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BROWNVILLE
ROUTE 11

PLANS

SHEET NUMBER

5

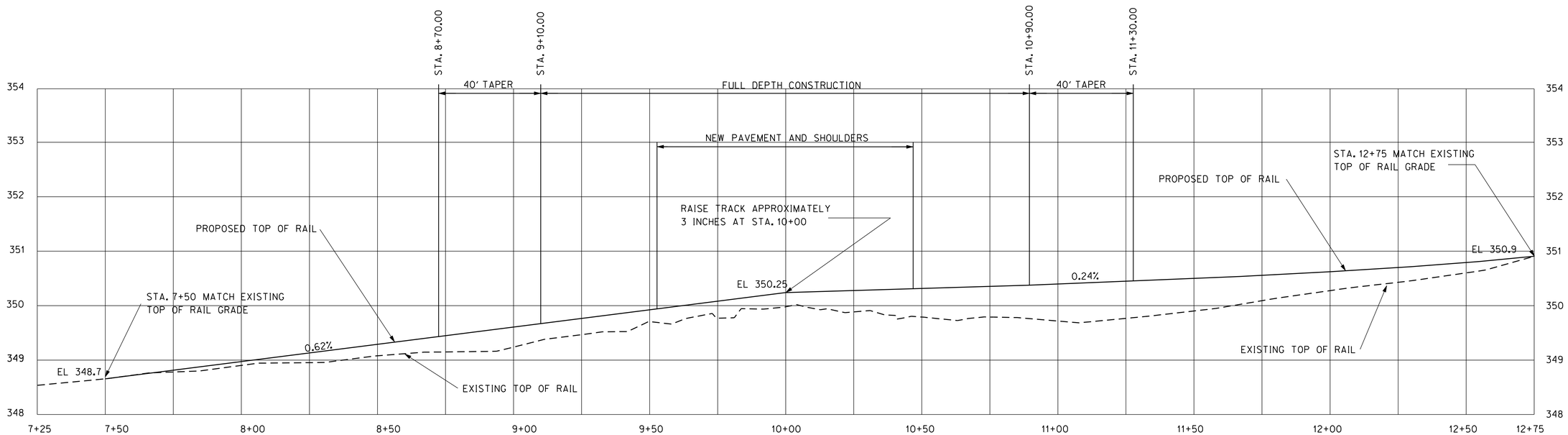
OF 15

Filename: ...\highway\msta\005_HDPlan1.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013

1. GEOTEXTILE FABRIC MUST COVER ALL ROADWAY SUBGRADE THROUGH CROSSING AND EXTEND 10 FEET FROM EDGE OF PAVEMENT ON BOTH APPROACHES.

2. RAISE EXISTING TRACK CENTERLINE 3 INCHES WITHIN CROSSING.

3. ELEVATIONS ARE APPROXIMATE. ACTUAL ELEVATIONS SHALL BE DETERMINED IN THE FIELD.



RAIL PROFILE

SCALE : HORIZONTAL 1"=20'
VERTICAL 1"=1'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	CATHERINE RAND		
DESIGN-DETAILED	BSM	BSM	8/7/2013
CHECKED-REVIEWED	JT	JT	8/9/2013
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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BROWNVILLE, ME
ROUTE 11

RAIL PROFILE

SHEET NUMBER

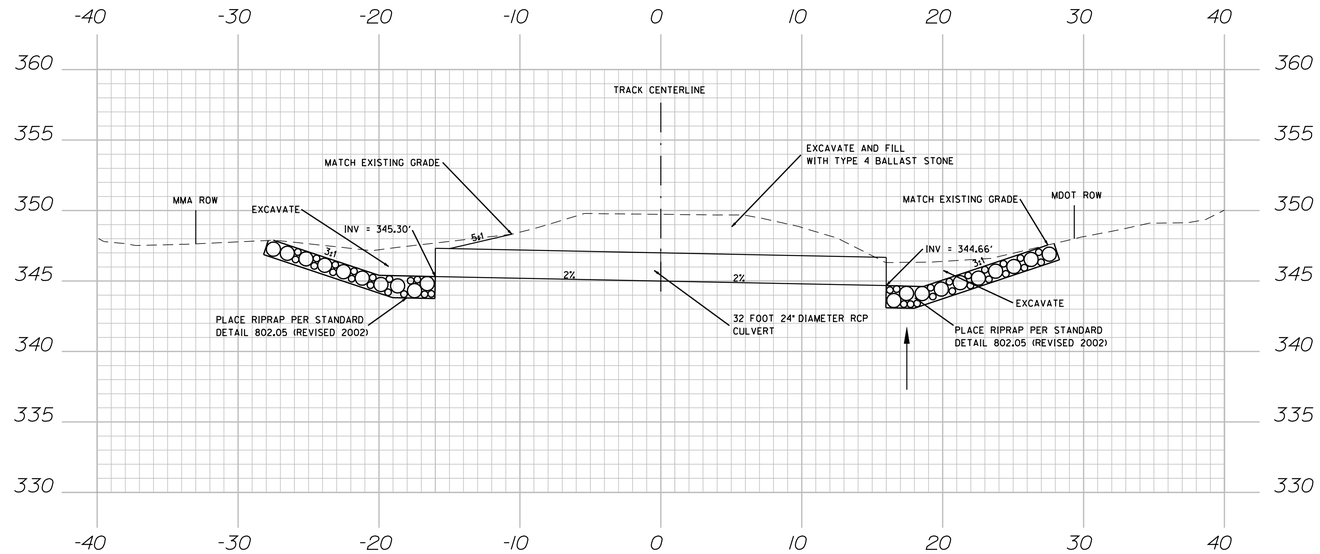
6

OF 15

Filename: ...\HIGHWAY\MSTA\Profile_test.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013

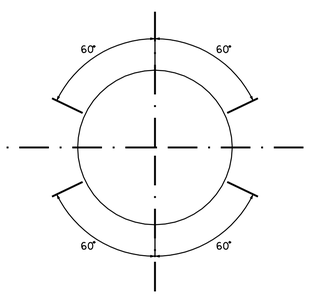
NOTES:

1. DITCH SECTIONS ARE TYPICAL. IF DIFFERENCES IN SLOPE AND ELEVATION OCCUR IN THE FIELD, GRADE AS DIRECTED BY THE RESIDENT.
2. PLACE CULVERT PERPENDICULAR TO THE CENTERLINE OF RAIL IN 8 FOOT SECTIONS.
3. PLACE EROSION CONTROL BLANKET, SEEDING AND MULCH IN ROADWAY DITCHES PER MAINE DOT BEST MANAGEMENT PRACTICES (REVISED 2008).
4. RAILROAD DITCHES SHALL BE LINED WITH PAY ITEM 610.18 STONE DITCH PROTECTION. PLACE AS DIRECTED BY THE RESIDENT.
5. ANY CLEARING NECESSARY TO CONSTRUCT DITCHES SHALL BE CONSIDERED INCIDENTAL TO RELATED CONTRACT ITEMS.

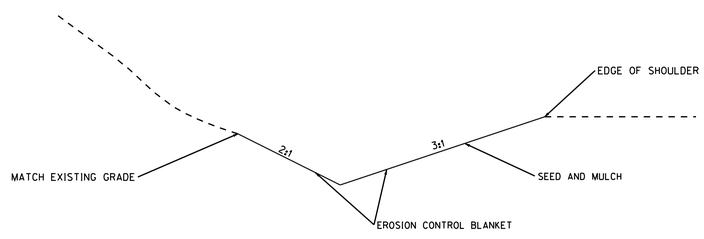


RAIL CROSS SECTION AT CENTERLINE OF CULVERT
STA. 11+34.00

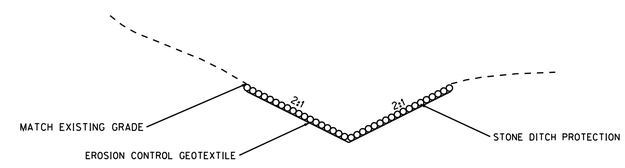
SCALE 1" = 5'



PLACEMENT OF PIPE TIES
NTS



TYPICAL ROADWAY DITCH
NTS



TYPICAL RAILROAD DITCH
NTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

		BY	DATE
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REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

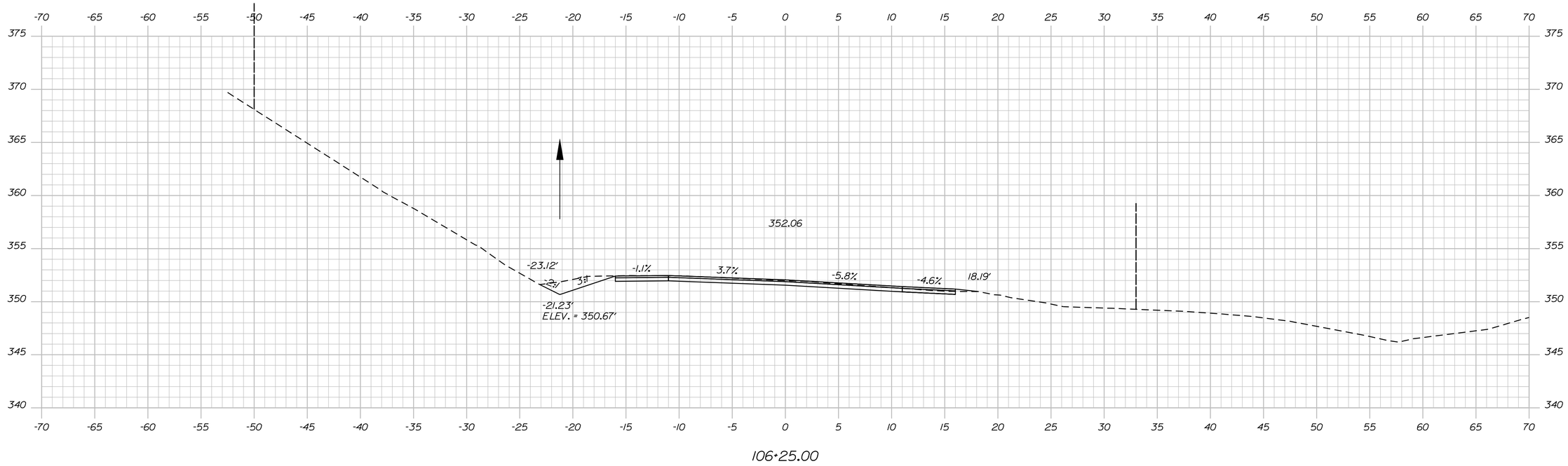
DATE:

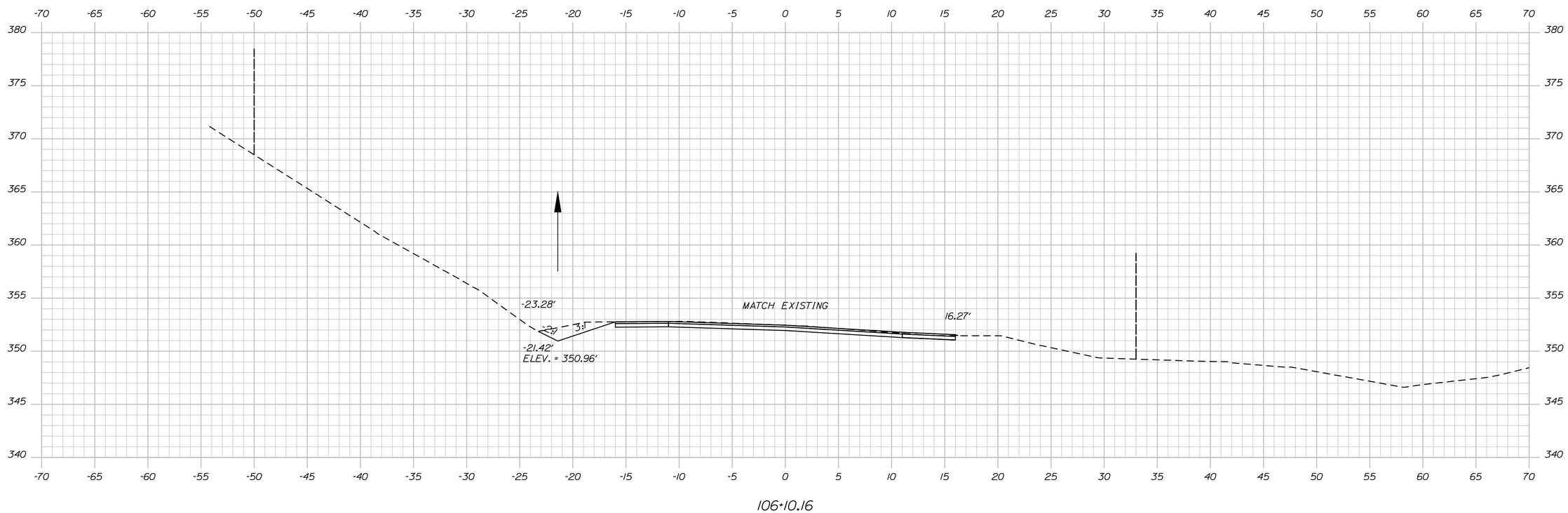
BROWNVILLE, ME
ROUTE 11

DRAINAGE DETAILS

SHEET NUMBER
7
OF 15

Filename: ...\msta\007_Railroad Detail.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013





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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

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DESIGN3-DETAILED3		
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REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

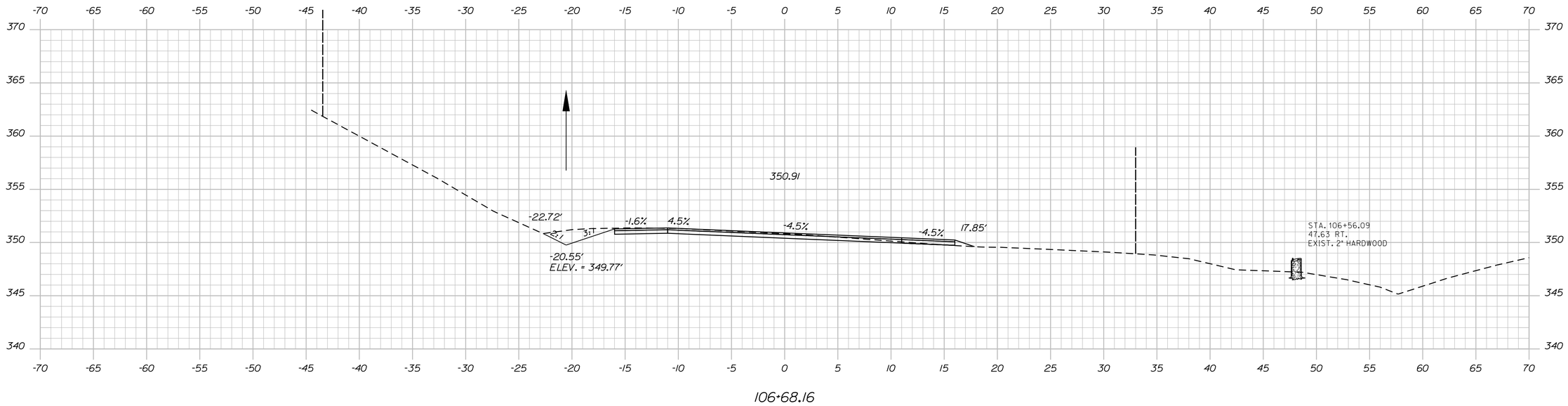
CROSS SECTIONS

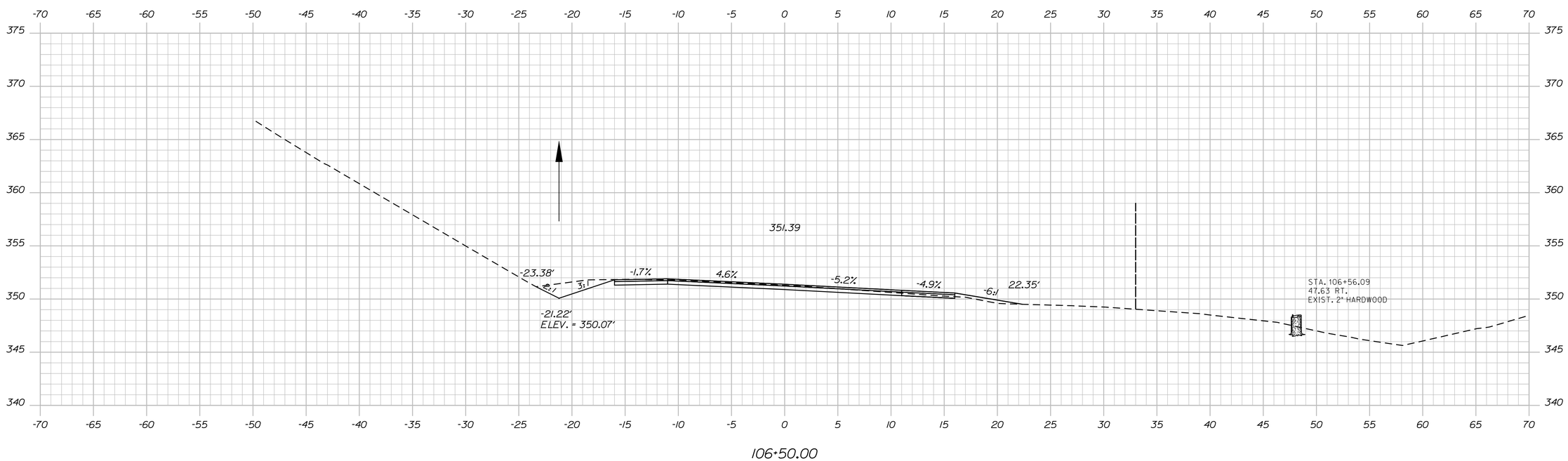
SHEET NUMBER

8

OF 15

Sta. 106+10.16 to Sta. 106+25.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

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PROJ. MANAGER	CATHERINE RAND		
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SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

CROSS SECTIONS

SHEET NUMBER

9

OF 15

Sta. 106+50.00 to Sta. 106+68.16

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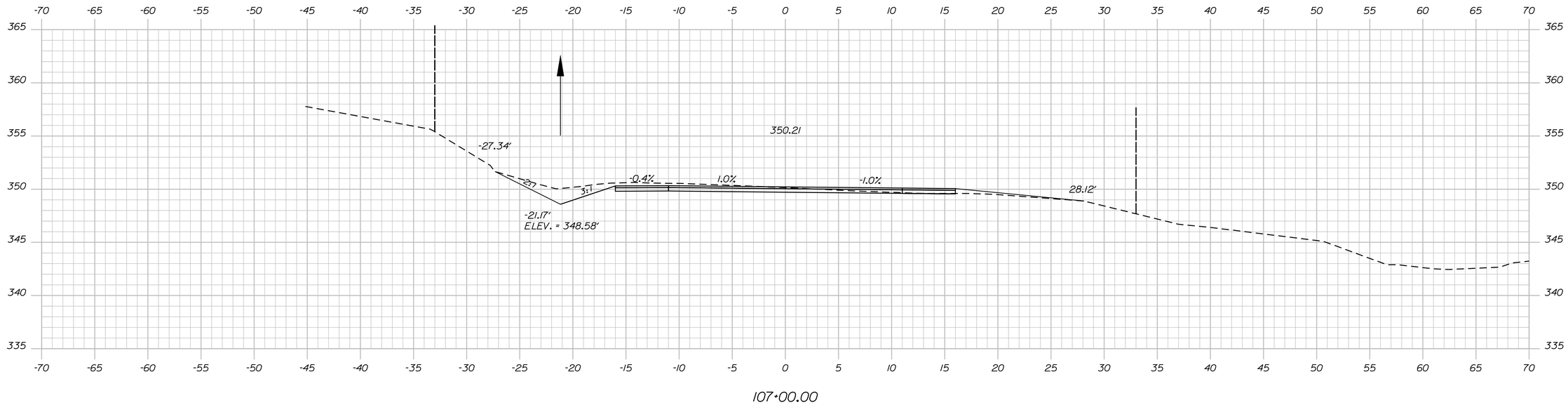
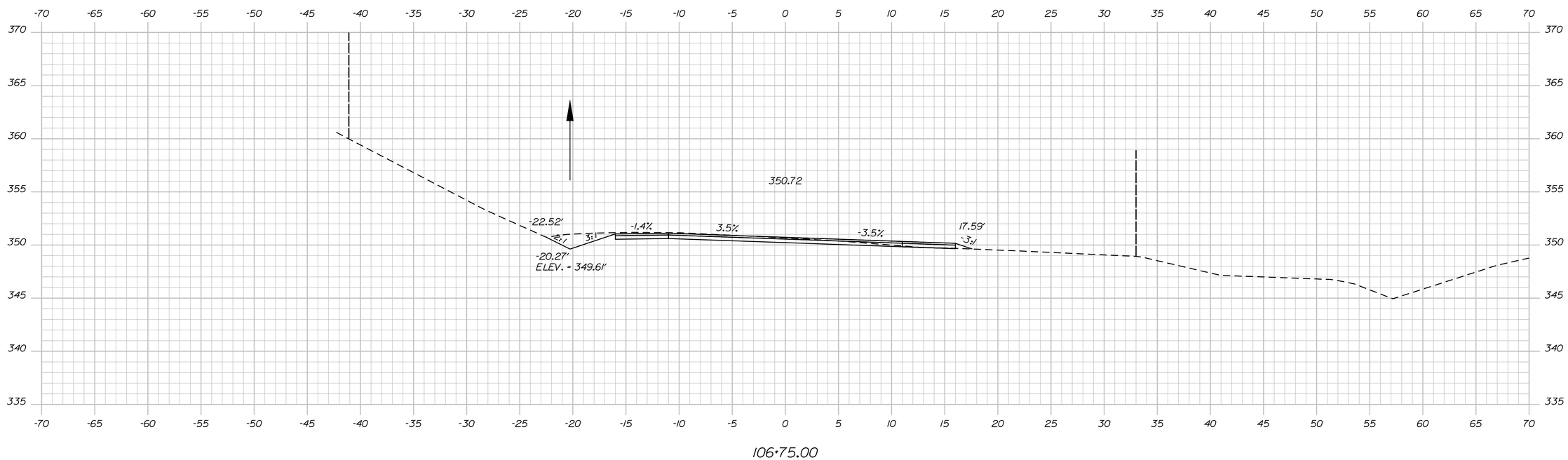




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND	BY	DATE	
DESIGN-DETAILED BSM	BSM	8/7/2013	SIGNATURE
CHECKED-REVIEWED JT	JT	8/9/2013	
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

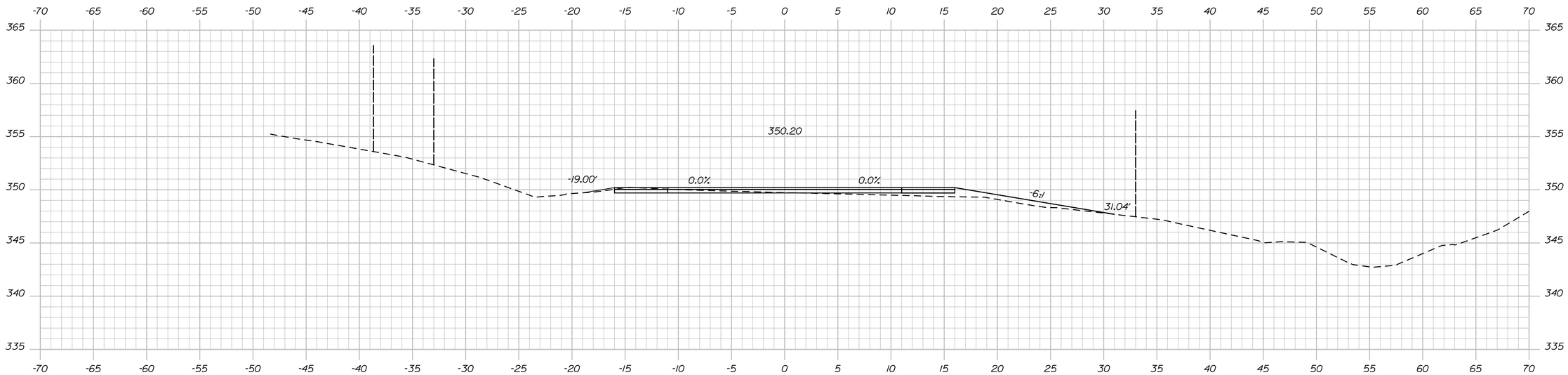
BROWNVILLE
ROUTE 11

CROSS SECTIONS

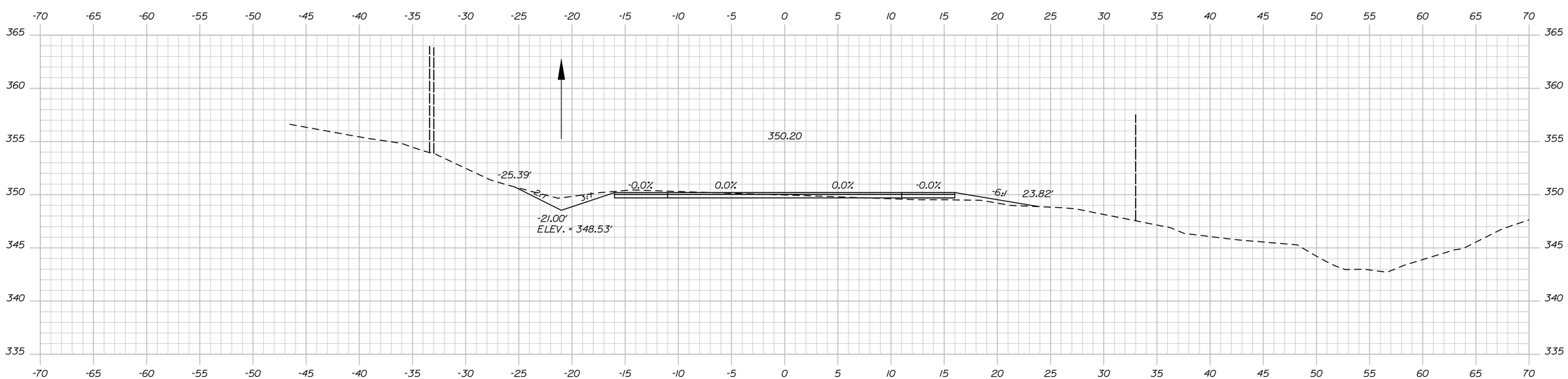
SHEET NUMBER
10
OF 15

Sta. 106+75.00 to Sta. 107+00.00

Filename: ...\msta\010_Xsect_106+75_003.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013



107+22.32



107+10.16

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND	BY	DATE
DESIGN-DETAILED BSM	BSM	8/7/2013
CHECKED-REVIEWED JT	JT	8/9/2013
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

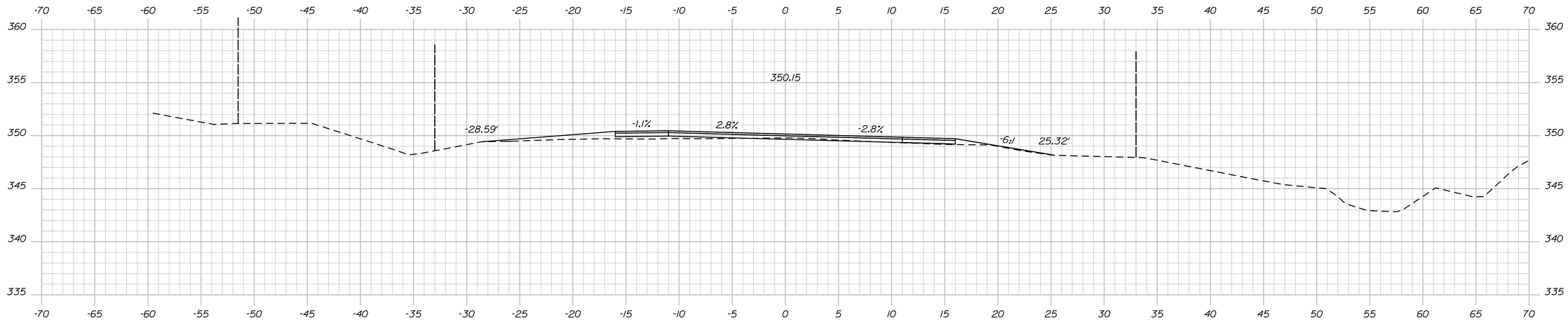
CROSS SECTIONS

SHEET NUMBER

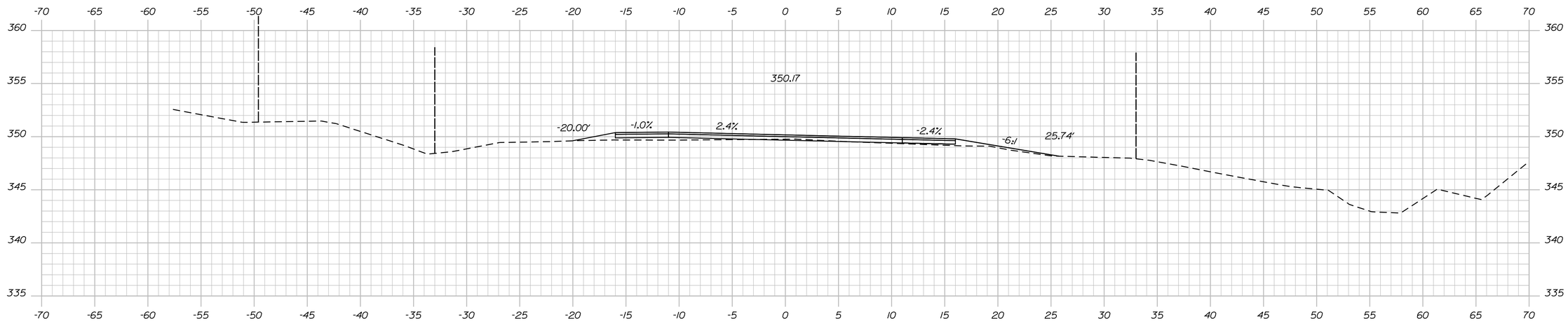
11

OF 15

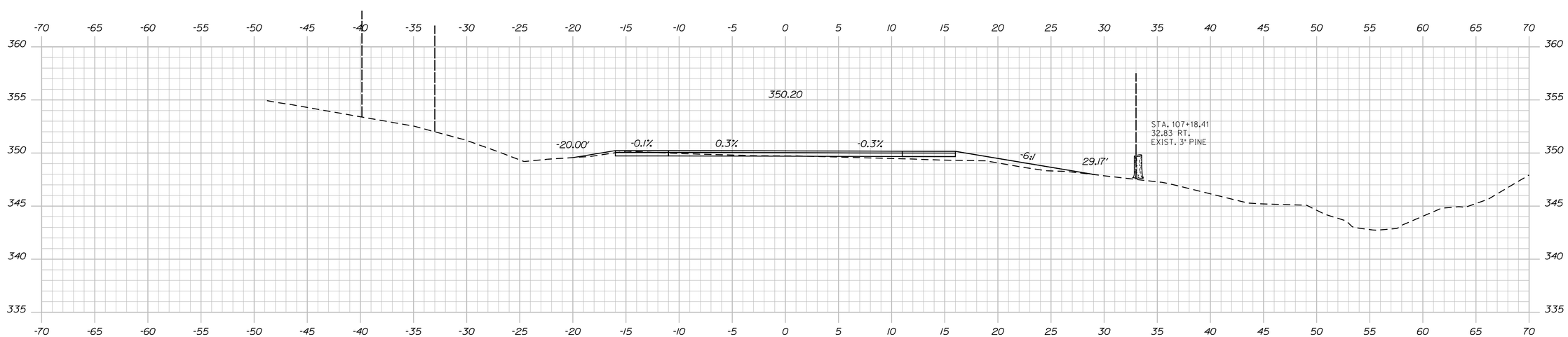
Sta. 107+10.16 to Sta. 107+22.32



107+50.00



107+46.04



107+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER	CATHERINE RAND	BY	DATE
DESIGN-DETAILED	BSM	BSM	8/7/2013
CHECKED-REVIEWED	JT	JT	8/9/2013
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

CROSS SECTIONS

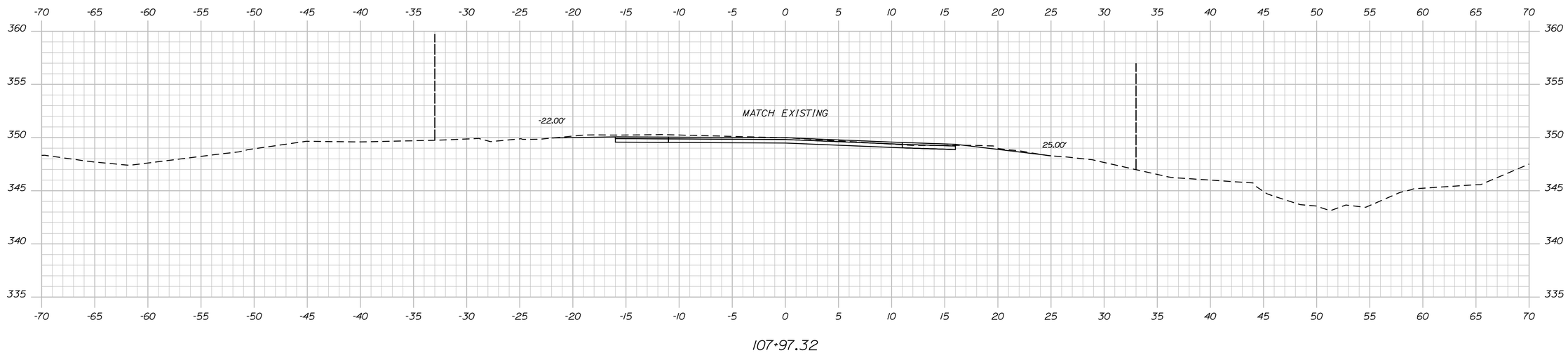
SHEET NUMBER

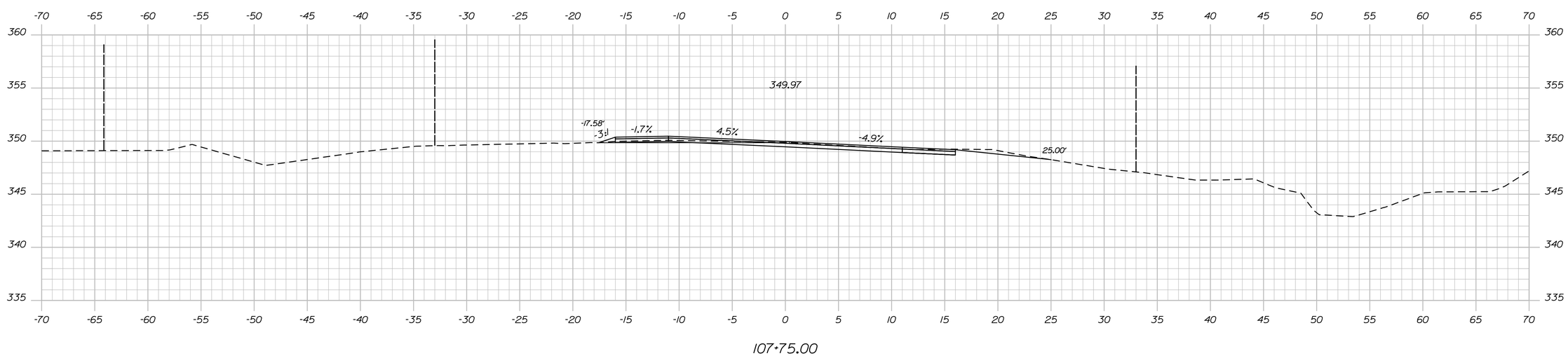
12

OF 15

Filename: ...\msta\012_Xsect_107+25_004.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013

Sta. 107+25.00 to Sta. 107+50.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND	BY	DATE
DESIGN-DETAILED	BSM	8/7/2013
CHECKED-REVIEWED	JT	8/9/2013
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE
ROUTE 11

CROSS SECTIONS

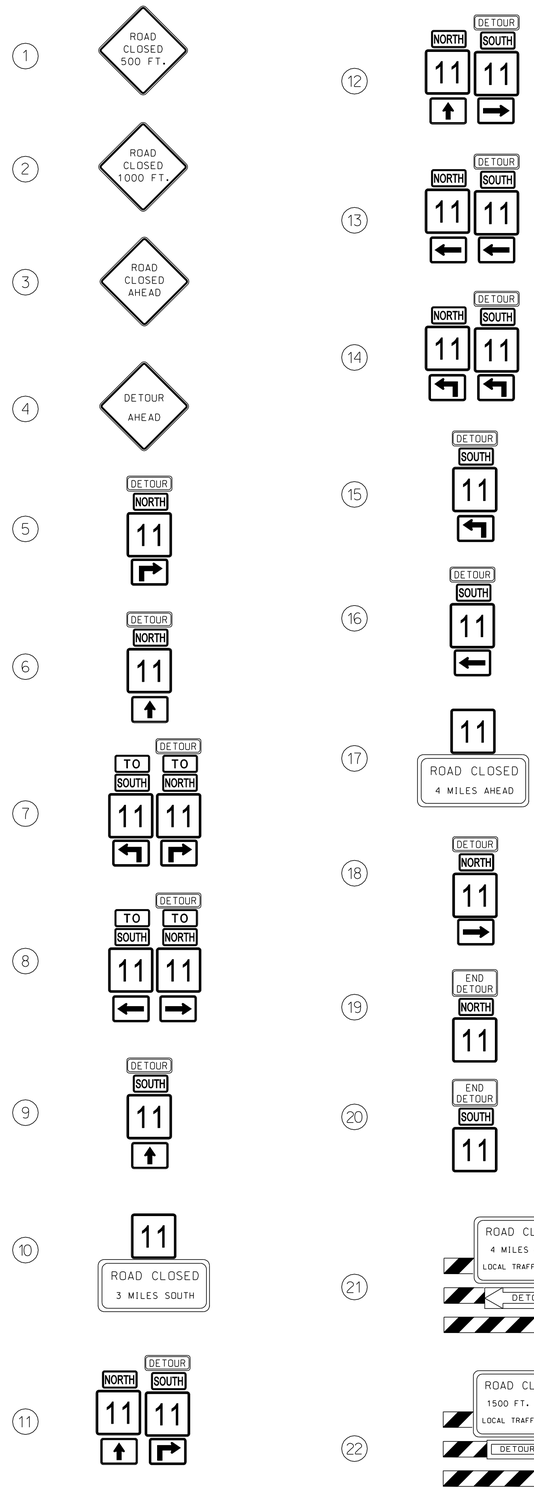
SHEET NUMBER

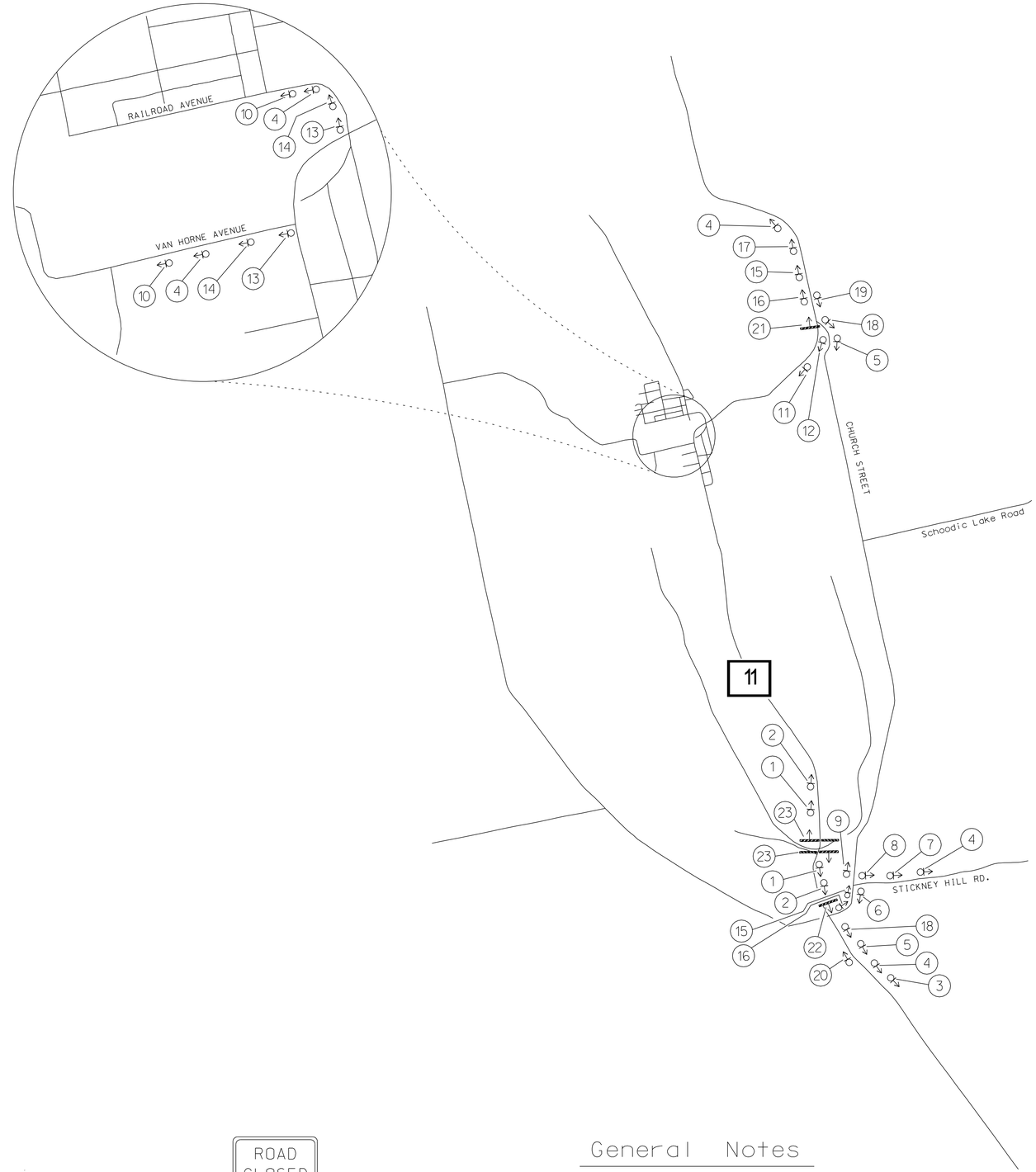
13

OF 15

Sta. 107+75.00 to Sta. 107+97.32

Filename: ...\msta\013_Xsect_107-75_005.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013





General Notes

1) Other signs may be needed as directed by the Resident.

2) Cover all conflicting route and directional signs.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE MAINE

WIN 018412.00

HIGHWAY PLANS

PROJ. MANAGER CATHERINE RAND	BY	DATE
DESIGN-DETAILED	DH	8/7/2013
CHECKED-REVIEWED	BSM	8/9/2013
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

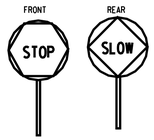
DATE:

BROWNVILLE ME
ROUTE 11

DETOUR PLAN

SHEET NUMBER
14
OF 15

Filename: ...\msta\014_Brownville.dgn Division: HIGHWAY Username: Brian.S.Moran Date: 8/9/2013



STOP / SLOW PADDLES SHALL BE FABRICATED AS DESCRIBED IN PARAGRAPH 6E-2 IN THE CURRENT MANUAL ON UNIFORM TRAFFIC DEVICES HANDLE TO BE PROVIDED.

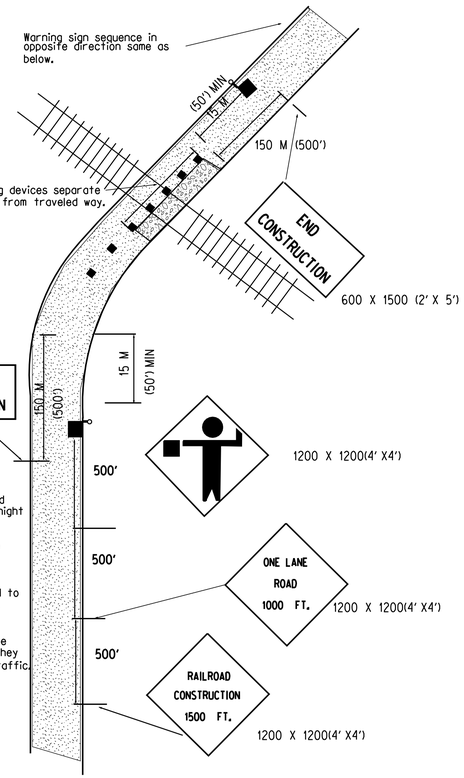
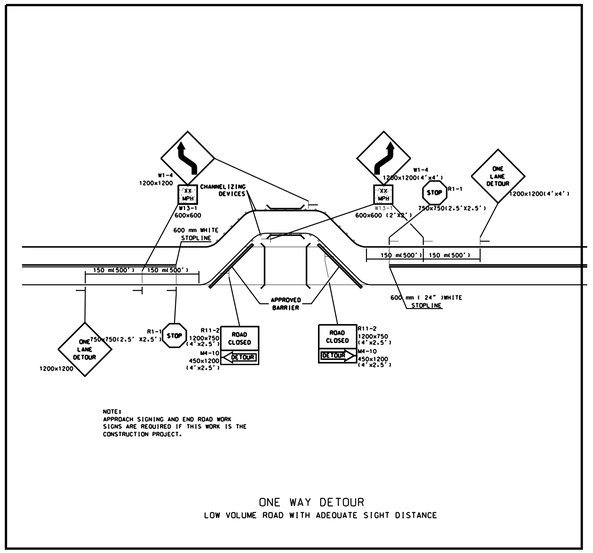
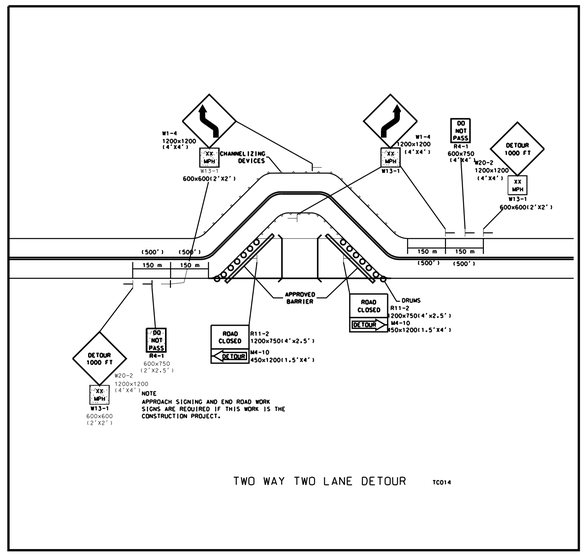


Figure 6-5. Typical applications of traffic control devices on 2-lane highway where one lane is closed and flagging is provided.

6B - 7



ONE WAY DETOUR
LOW VOLUME ROAD WITH ADEQUATE SIGHT DISTANCE



TWO WAY TWO LANE DETOUR TC014

RAILROAD GRADE CROSSING SIGNING DETAIL

Note

Crossing reconstruction area may be temporarily closed to traffic with MDOT and/or town approval in accordance with approved traffic control plan

SPECIFICATIONS:

REFERENCE IS HEREBY MADE TO THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ROUTE 11 BROWNVILLE, MAINE

WIN 18412.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER CATHERINE RAND		
DESIGN-DETAILED	BSM	8/7/2013
CHECKED-REVIEWED	JT	8/9/2013
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BROWNVILLE

MAINTENANCE OF TRAFFIC IN RAILROAD CROSSING CONSTRUCTION ZONES

SHEET NUMBER

15

OF 15

Filename: ...\msta\015_StandardDetail.dgn Division: HIGHWAY Username: Brendon.S.Moran Date:8/9/2013