

Date: 8/24/2010

Username: common

Division: HIGHWAY

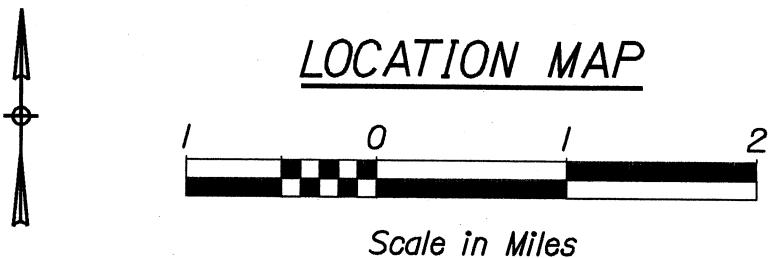
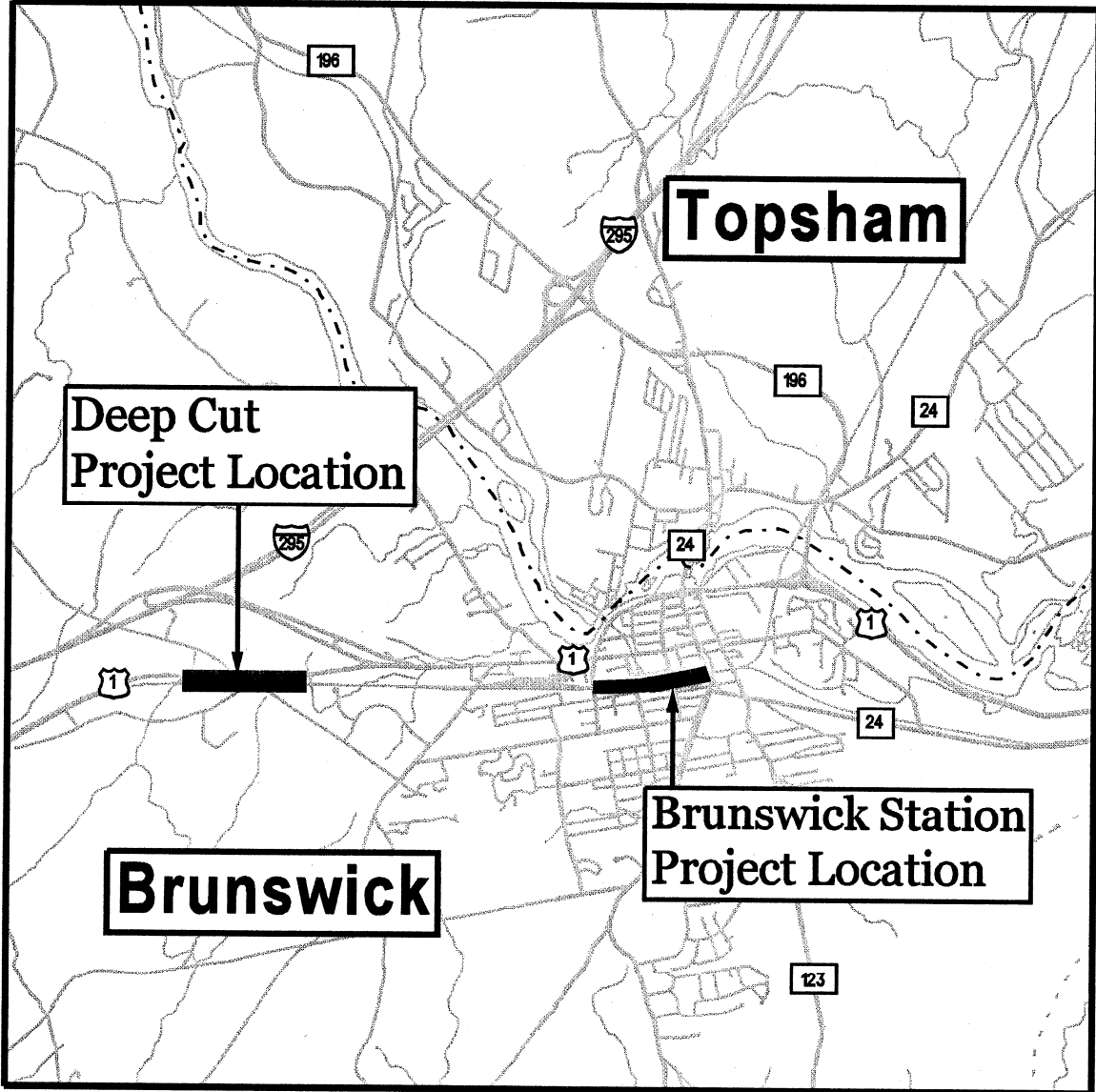
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STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION



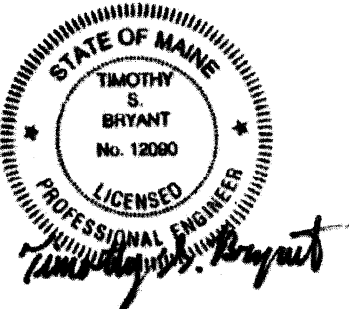
Brunswick
 Cumberland

PORTLAND NORTH
 TRACK & DRAINAGE IMPROVEMENTS
 COMBINED PROJECT LENGTH : 1.1 mi.



INDEX OF SHEETS

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PIN 15236.00

15236

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		APPROVED COMMISSIONER: <i>[Signature]</i> DATE: 8/30/10		CHIEF ENGINEER: <i>[Signature]</i> DATE: 9/10/10	
PROJECT INFORMATION		SIGNATURE		P.E. NUMBER	
PROGRAM	PROJECT MANAGER	R. CAREY	M. BOONSWA	VHE, INC	DATE
DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE	
Brunswick		TITLE SHEET			
SHEET NUMBER		1			
		OF 87			

GENERAL CONSTRUCTION NOTES

1. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS NOTED.
2. THE CLEARING LIMITS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LIMITS SHALL BE ESTABLISHED IN THE FIELD BY THE RESIDENT. PAYMENT FOR CLEARING SHALL BE INCIDENTAL TO CONTRACT ITEMS. TREES AND SHRUBS WITHIN THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON APPROVAL OF THE RESIDENT.
3. ALL TRACK MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION (AREMA) MANUAL FOR RAILWAY ENGINEERING 2010, UNLESS NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
4. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE RESIDENT FOR RESOLUTION OF THE CONFLICT.
5. EROSION CONTROL SHALL BE PROVIDED IN CONFORMANCE WITH THE LATEST MAINE DEPARTMENT OF TRANSPORTATION (MDOT) STANDARD SPECIFICATION AND BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
6. PRIOR TO COMMENCING WORK ON A PUBLIC GRADE CROSSING, THE CONTRACTOR SHALL SUBMIT METHOD STATEMENTS, A MAINTENANCE OF TRAFFIC PLAN, INCLUDING CONSTRUCTION SIGNS, AND TRAFFIC CONTROL DEVICES TO THE RESIDENT FOR APPROVAL. CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM WITH MDOT STANDARD DETAILS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
7. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RETURNED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
8. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 2 SHALL BE USED WHERE SEEDING IS SHOWN ON THE PLANS.
9. MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 2.
10. LOAM SHALL BE PLACED AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE RESIDENT. LOAM DEPTH SHALL BE 2 INCHES.
11. EXCAVATION ACCOMPLISHED AS PART OF THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARD FOR EXCAVATIONS).
12. THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT AND THE RAILROAD OPERATOR TO ENSURE ALL WORK IS PERFORMED WITHIN THE APPROVED WORK WINDOWS FOR CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE DEPARTMENT FOR REVIEW PRIOR TO PERFORMING ANY WORK.
13. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
14. ALL ELEVATIONS AND STATIONS ARE IN FEET.
15. CONSTRUCTION SHALL BE PERFORMED IN THE DRY.
16. ALL EMBANKMENT MATERIAL, EXCEPT OTHERWISE SHOWN, SHALL BE GRANULAR BORROW FOR UNDERWATER BACKFILL MEETING THE REQUIREMENTS OF SUBSECTION 703.19.
17. THE EXISTING RAILROAD RIGHT-OF-WAY (RR R/W) IS SHOWN. THE CONTRACTOR SHALL WORK WITH PROPERTY OWNERS FOR WORK OUTSIDE RR R/W. OTHERWISE WORK WITHIN RR R/W OR EASEMENT LIMITS.
18. THE CONTRACT DOCUMENTS INCLUDE THE PROJECT GEOTECHNICAL REPORT TITLED "REPORT ON GEOTECHNICAL INVESTIGATION PORTLAND NORTH PASSENGER RAIL UPGRADE PROJECT, BRUNSWICK DRAINAGE IMPROVEMENTS", DATED JUNE 15, 2009 AND PREPARED BY HALEY & ALDRICH, INC. THE REPORT PROVIDES SUBSURFACE INFORMATION AS WELL AS SPECIFIC RECOMMENDATIONS FOR EXCAVATION SUPPORT AND CONSTRUCTION DEWATERING THAT SHALL BE USED. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED DEWATERING PLAN PER SECTION 511 PRIOR TO BEGINNING CONSTRUCTION. ALL COSTS SHALL BE INCLUDED UNDER ITEM 203.20 COMMON EXCAVATION.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY SUPPORT OF EXCAVATION AND DEWATERING SYSTEMS. PLANS AND SPECIFICATIONS SHALL BE DESIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER, LICENSED IN ACCORDANCE WITH THE STATE OF MAINE'S LAWS, AND SHALL BE SUBMITTED TO THE RESIDENT FOR APPROVAL. ALL COSTS SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURES.
20. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE BIDDER'S AND CONTRACTOR'S USE. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE TIME OF CONSTRUCTION. THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S AND CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM, THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE REPORT PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

PRECAST CONCRETE NOTES

1. THE DESIGN, CONSTRUCTION, HANDLING, AND ASSEMBLY OF ALL THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION SECTION 534 - PRECAST STRUCTURAL CONCRETE, AND WITH THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.
2. SUBMITTALS OF WORKING DRAWINGS SHALL BE IN ACCORDANCE WITH SECTION 105-7.

SPECIFICATIONS

CONTRACT: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, HIGHWAYS AND BRIDGES, DECEMBER 2002, AND REVISIONS THERETO.

STANDARD DETAILS: STATE OF MAINE DEPARTMENT OF TRANSPORTATION, STANDARD DETAILS, DECEMBER 2002, AND REVISIONS THERETO, STATE OF MAINE CWR PLAN.

ABBREVIATIONS

CB	CATCH BASIN
CL	CENTERLINE
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CPE	CORRUGATED POLYETHYLENE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DMH	DROP OVER MANHOLE
DWG	DRAWING
EL	ELEVATION
EQ	EQUILATERAL
EX	EXISTING
FES	FLARED END SECTION
GRS	GALVANIZED RIGID STEEL
INV	INVERT ELEVATION
MIN	MINIMUM
PC	POINT OF CURVATURE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PR	PROPOSED
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
RCP	REINFORCED CONCRETE PIPE
RIM	RIM ELEVATION
SHP	SHAPE
STA	STATION
STD	STANDARD
T/O	TURNOUT
T/R	TOP OF RAIL ELEVATION
TYP	TYPICAL
UD	UNDERDRAIN
VCL	LENGTH OF VERTICAL CURVE
W/	WITH
X/O	CROSSOVER

LEGEND

	EXISTING TRACK
	EXISTING TRACK TO BE SURFACED
	PROPOSED TRACK CENTELINE
	POINT OF SWITCH
	CATCH BASIN
	MANHOLE
	INLET
	OUTLET W/ STONE SCOUR PROTECTION
	RIPRAP SLOPE PROTECTION
	LEDGE
	SOIL BORING LOCATION
	SURVEY BENCHMARK
	LIMIT OF GRADING
	CHAIN LINK FENCE
	RAILROAD CROSSING SIGNAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

BY
J. Berdyk
8/24/10

DATE
8/24/10

Brunswick

GENERAL NOTES,
LEGEND, AND ABBREVIATIONS

SHEET NUMBER


2

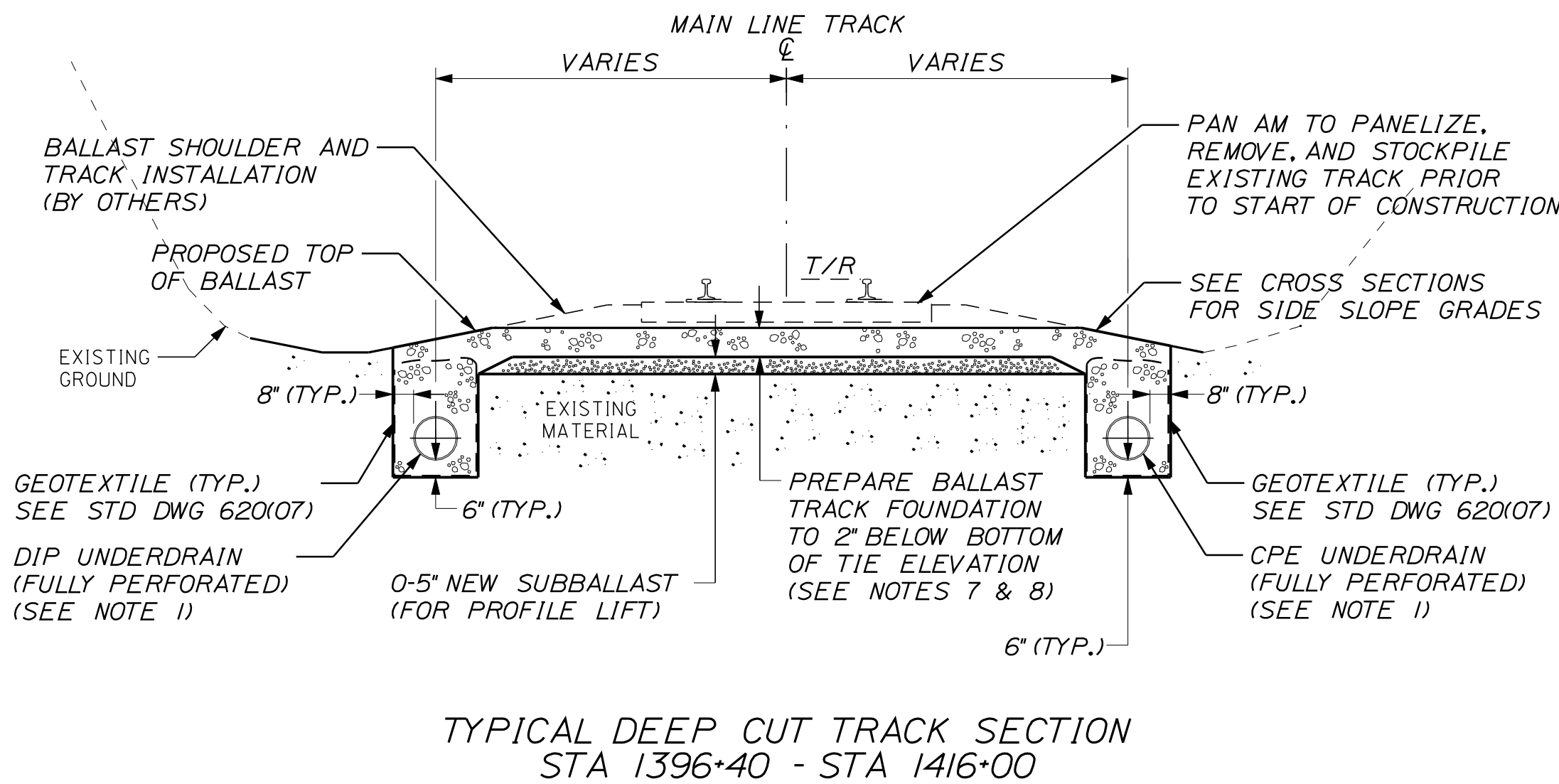
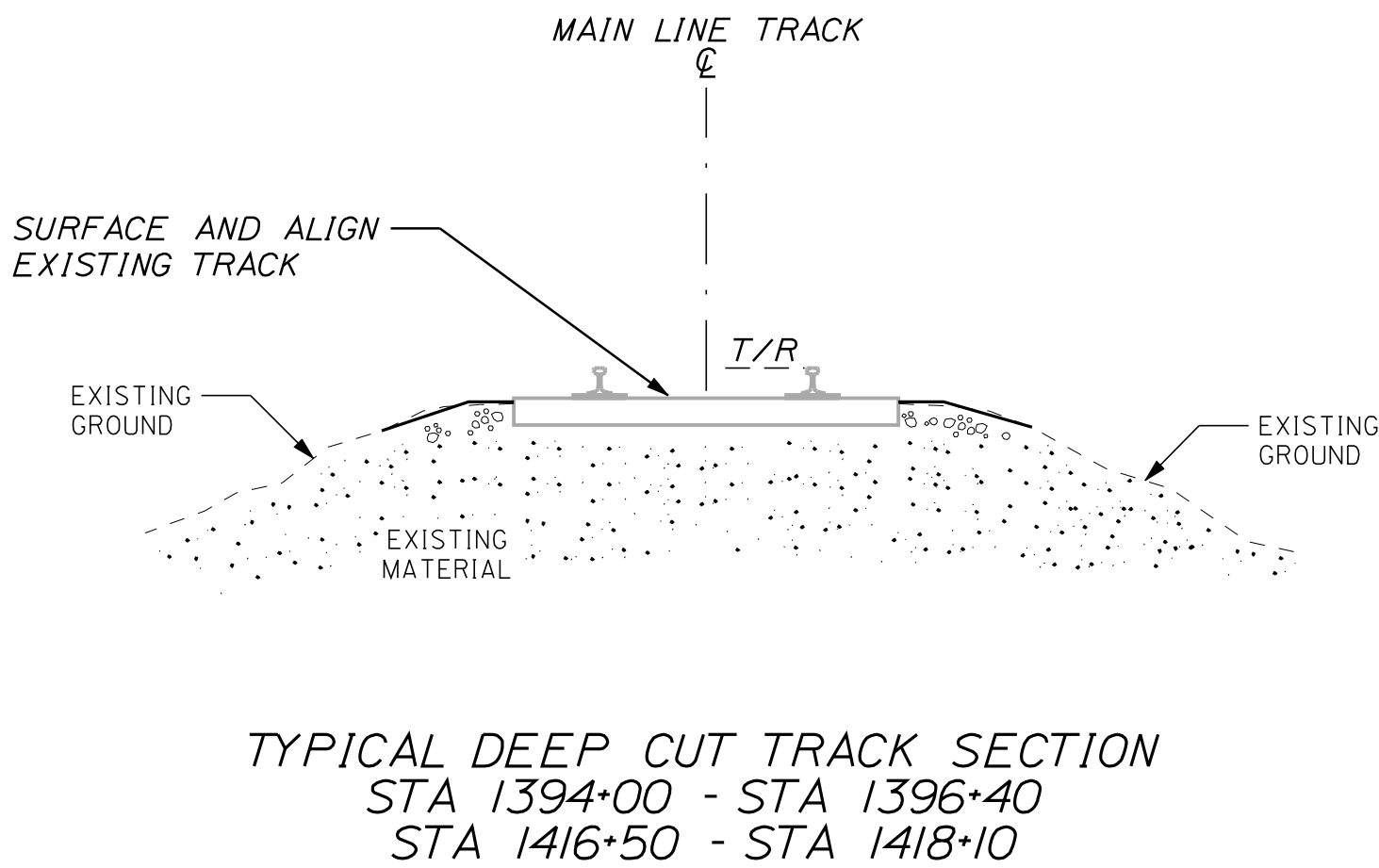
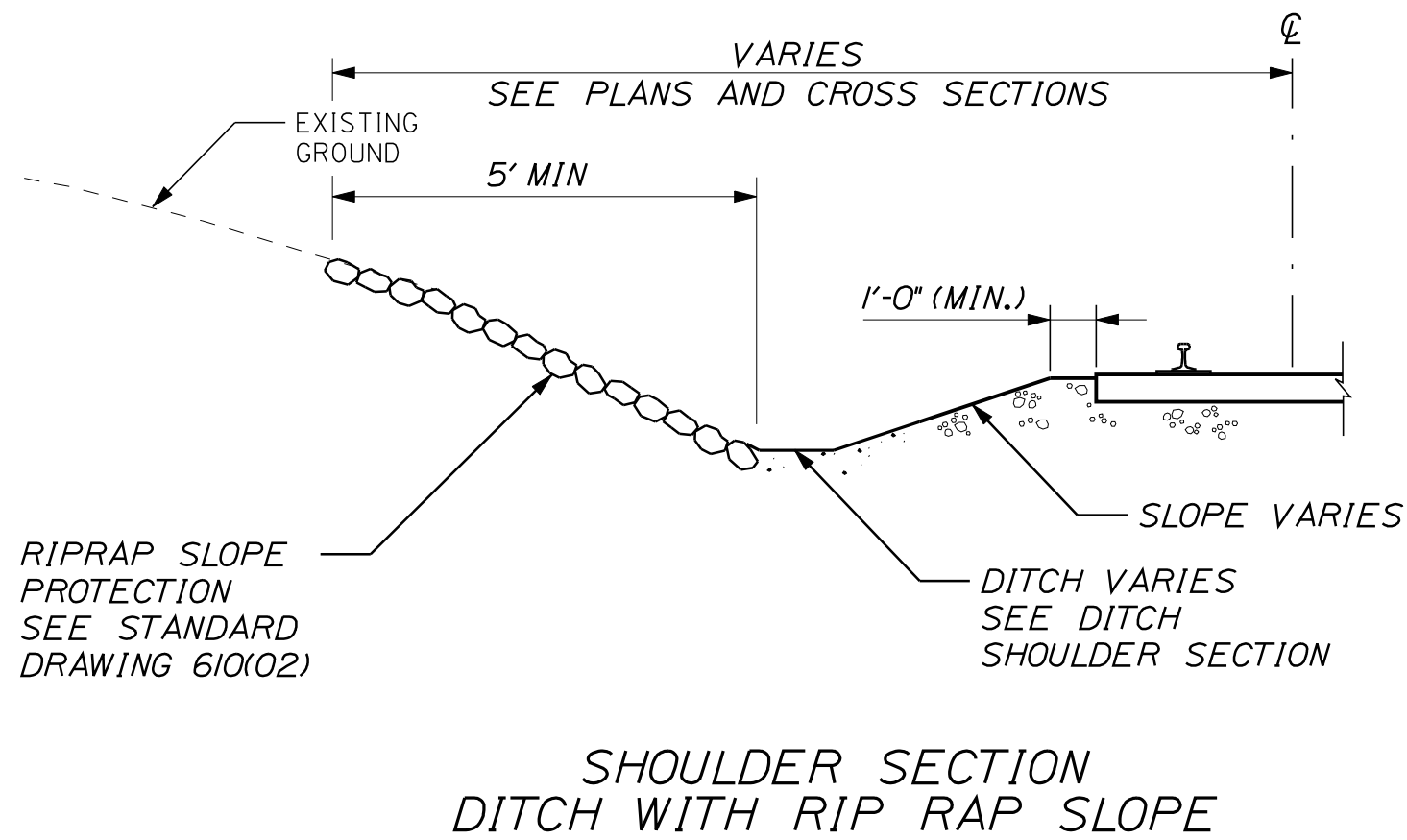
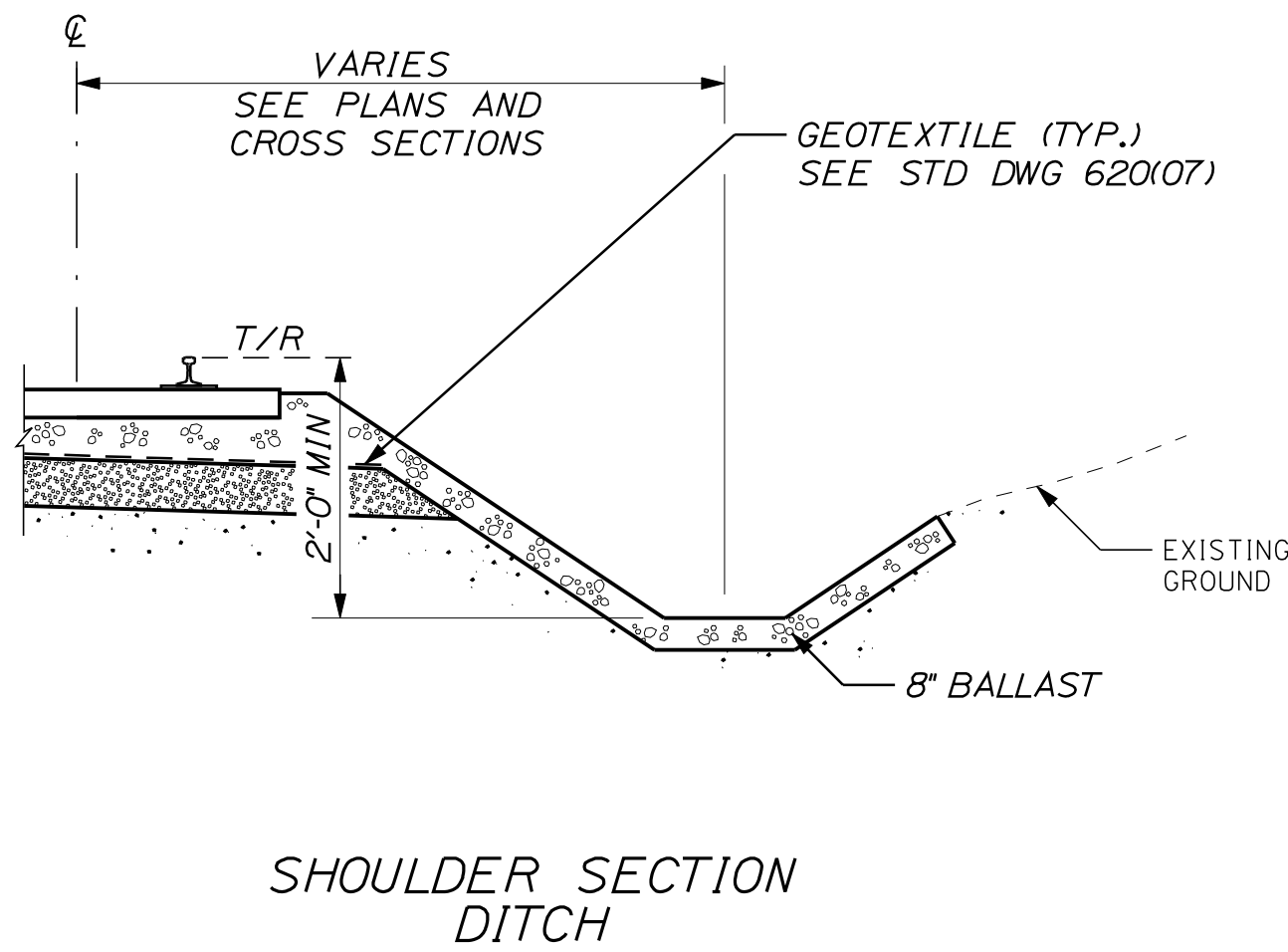
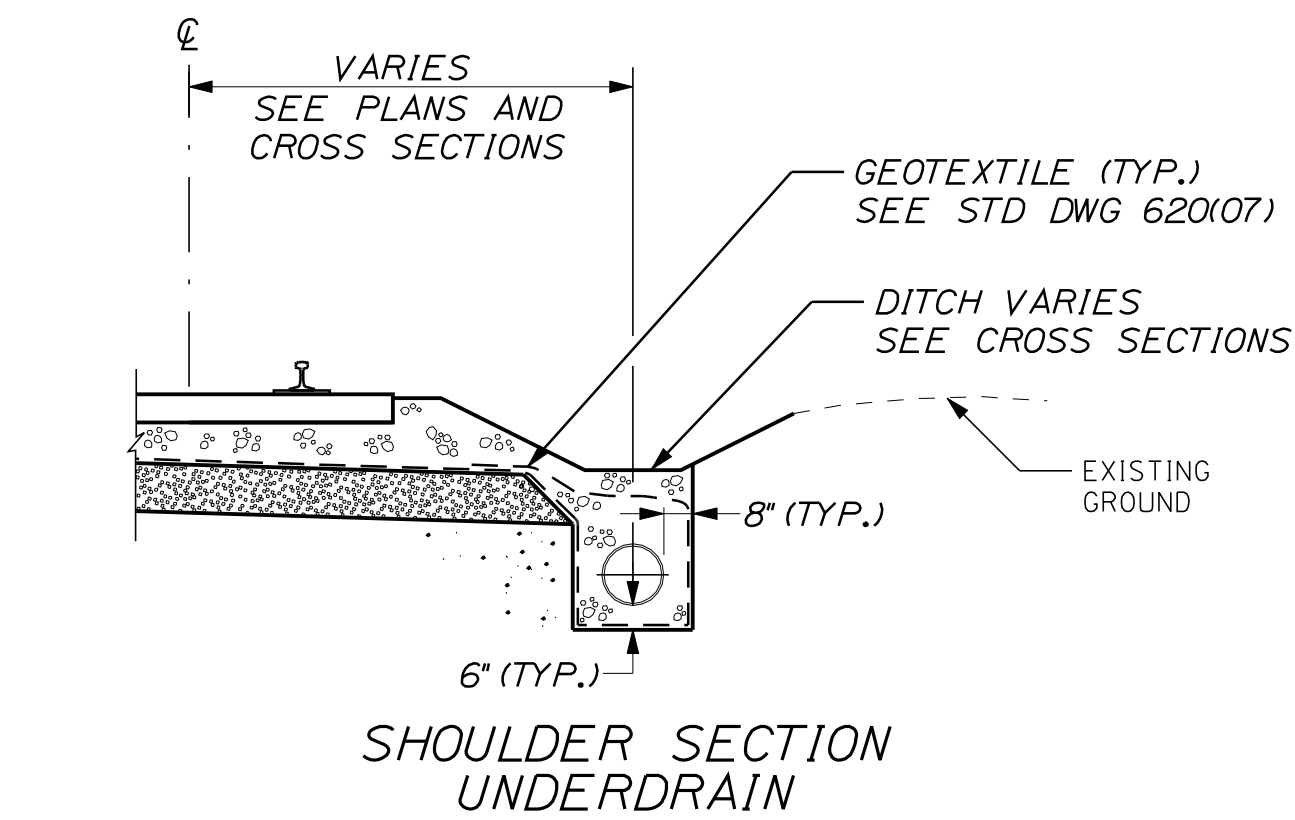
OF 87

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3		SHEET NUMBER		Brunswick		PROJ. MANAGER		R. Corey	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
DEEP CUT ESTIMATED QUANTITIES						DESIGN-Detailed		M. Boomsma	J. Berdyk	8/24/10		
						CHECKED-REVIEWED					SIGNATURE	
						DESIGN2-Detailed						
						DESIGN3-Detailed					P.E. NUMBER	
						REVISIONS 1						
						REVISIONS 2						
						REVISIONS 3					DATE	
						REVISIONS 4						
						FIELD CHANGES						

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4	SHEET NUMBER			
	Brunswick			
	BRUNSWICK STATION ESTIMATED QUANTITIES			
	PROJ. MANAGER	R. Carey	BY	DATE
	DESIGN-DETAILED	M. Boomsma	J. Bendyk	8/24/10
	CHECKED-REVIEWED			
	DESIGNZ-DETAILED2			
	DESIGNS-DETAILED3			
	REVISIONS 1			
	REVISIONS 2			
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
<div><div><div>STATE OF MAINE TIMOTHY BOWMAN No. 12900 LICENSED PROFESSIONAL ENGINEER</div><div></div></div><div>STATE OF MAINE DEPARTMENT OF TRANSPORTATION</div><div>15236</div><div>PIN 15236.00</div></div>				



- NOTE:**
1. REFER TO TRACK PLAN AND PROFILE DRAWINGS FOR INVERT ELEVATIONS. ALL UNDERDRAIN SHALL BE CPE UNLESS OTHERWISE NOTED
 2. SUBBALLAST SHALL BE PLACED ON A COMPACTED SUBGRADE WITH THE SPECIFIED SLOPE.
 3. TOP OF RAIL (T/R) ELEVATION IS DEFINED AS AS THE LOW RAIL (OR INSIDE RAIL) IN CURVES.
 4. ANY OVER-EXCAVATION OF UNSUITABLE MATERIAL BELOW THE PLAN BOTTOM OF SUBBALLAST SHALL BE REPLACED WITH COMPACTED SUBBALLAST.
 5. PAN AM RAILWAYS WILL REMOVE EXISTING TRACK IN 500FT PANELS AND REINSTALL TRACK AND FINAL BALLAST.
 6. THE STATIONING SHOWN UNDER EACH TYPICAL SECTION IS APPROXIMATE.
 7. THE MINIMUM DEPTH OF BALLAST SHALL BE 9' FROM BOTTOM OF TIE TO TOP OF SUBBALLAST.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROFILE CHANGE FOR UP TO 5" ABOVE EXISTING GRADE. THE FINAL PROFILE ADJUSTMENT TO ACHIEVE THE FINAL PROPOSED T/R ELEVATION WILL BE COMPLETED BY PAN AM RAILWAYS.

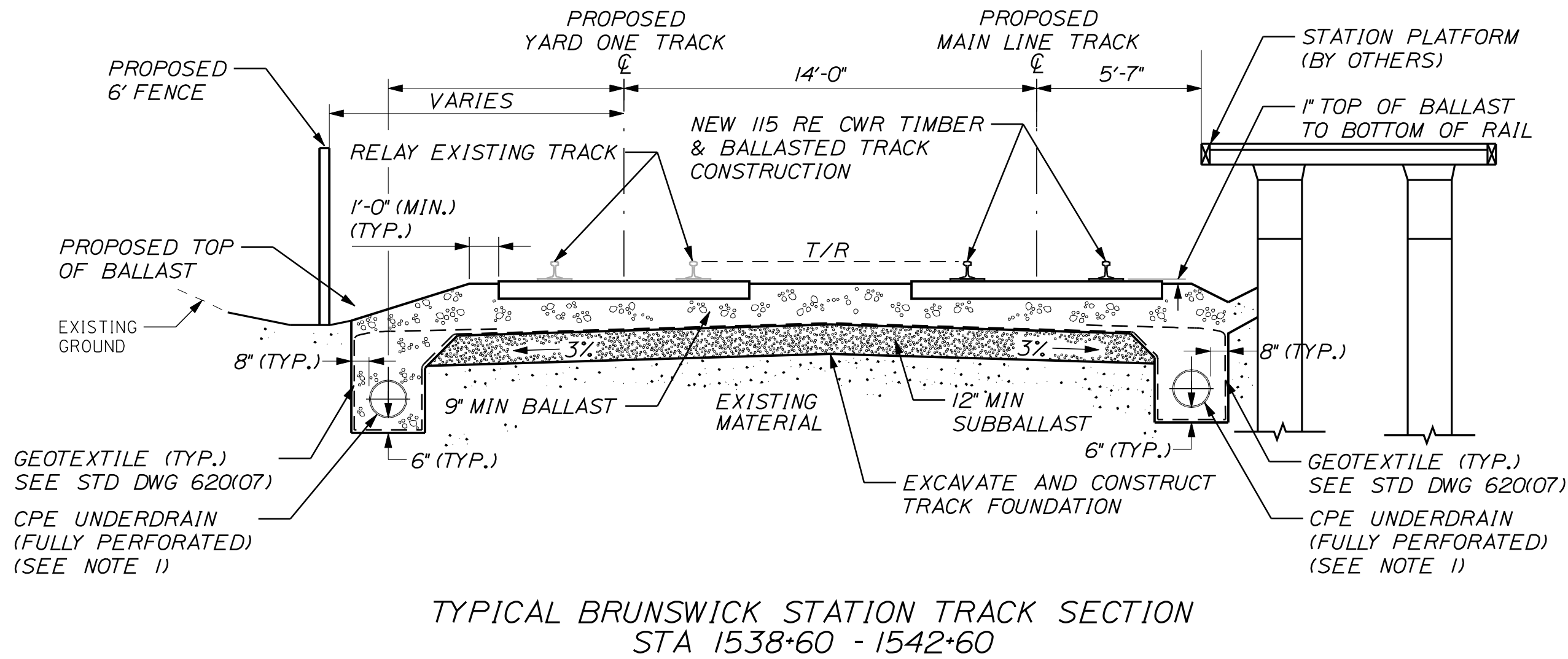
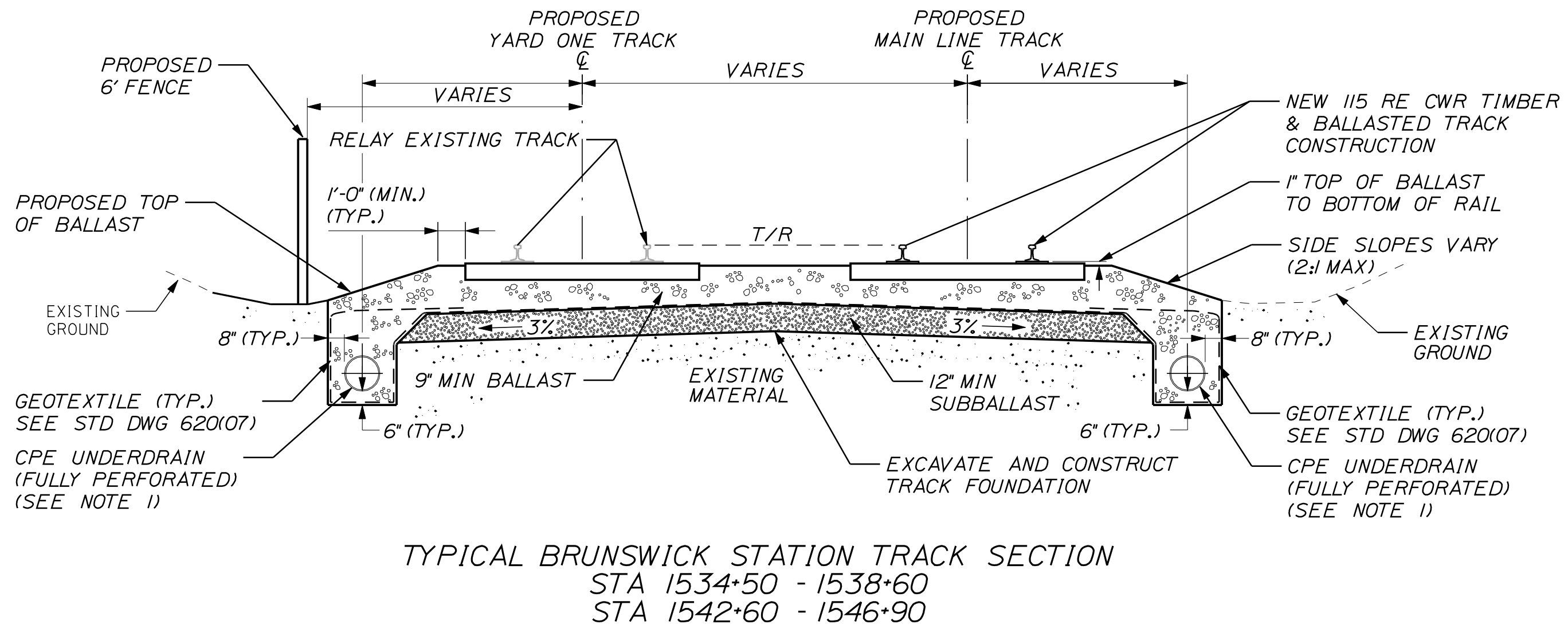
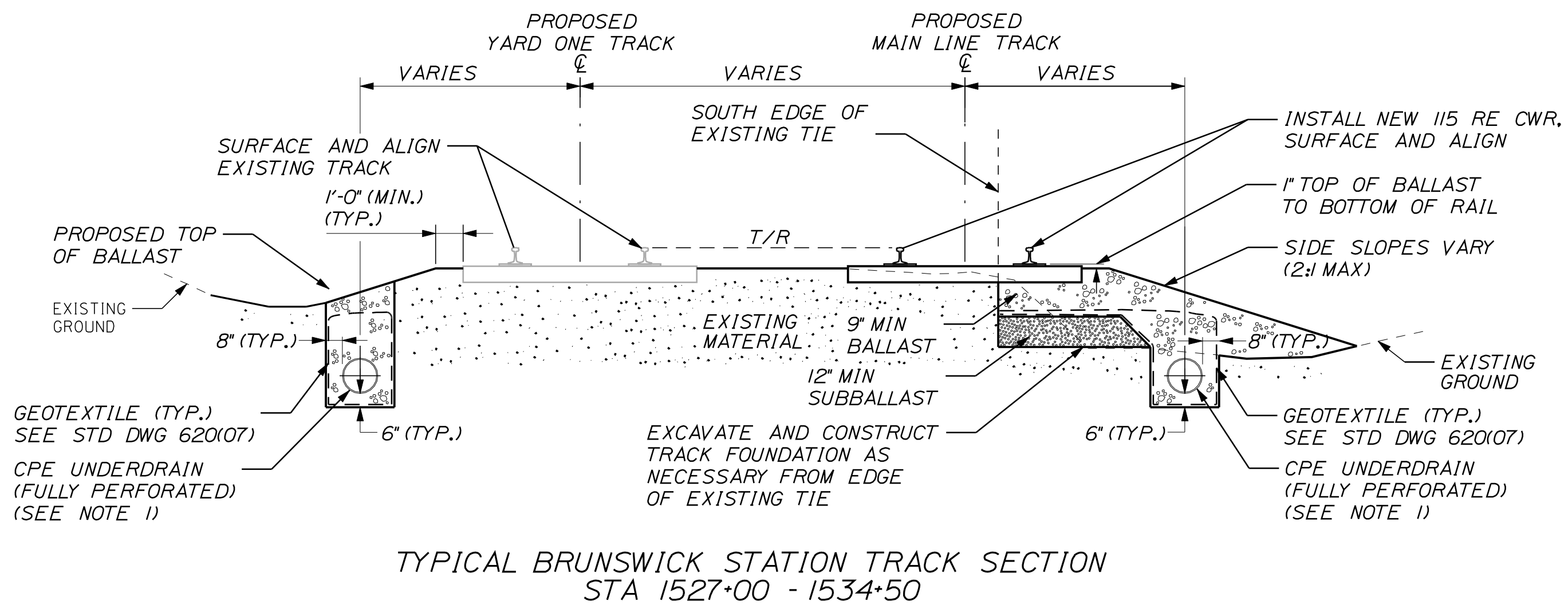
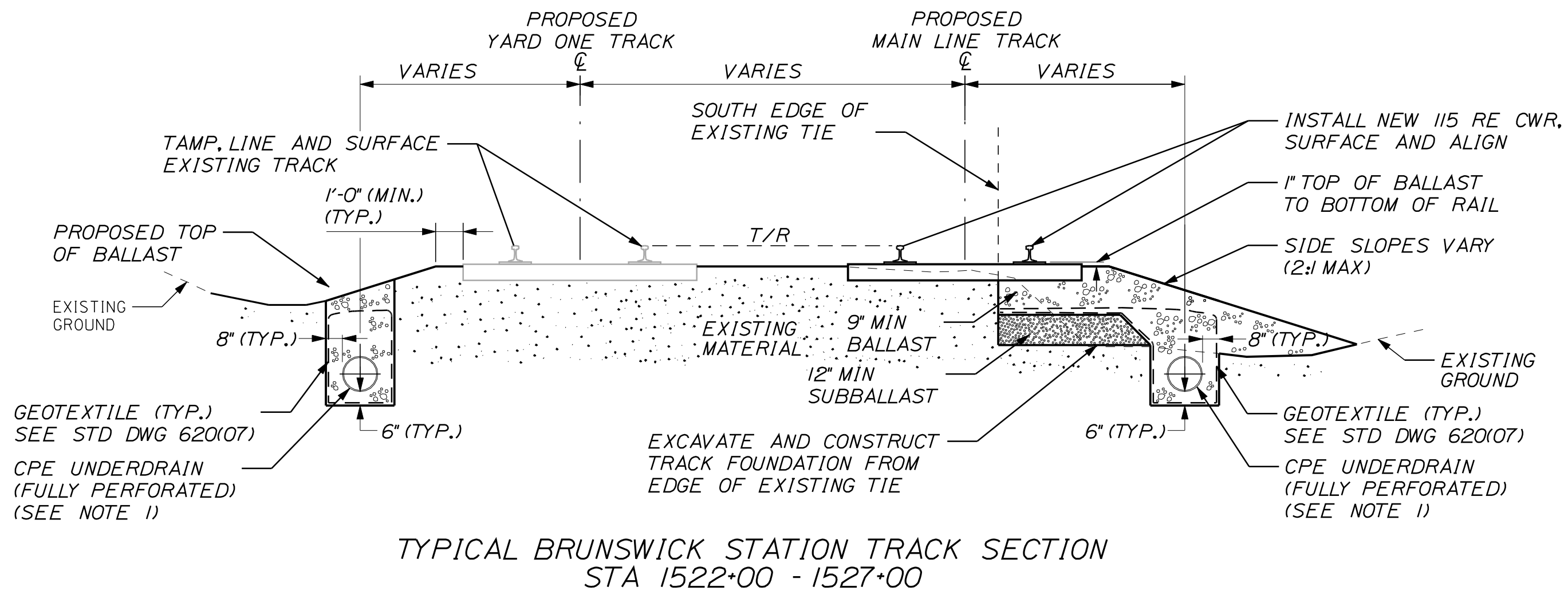
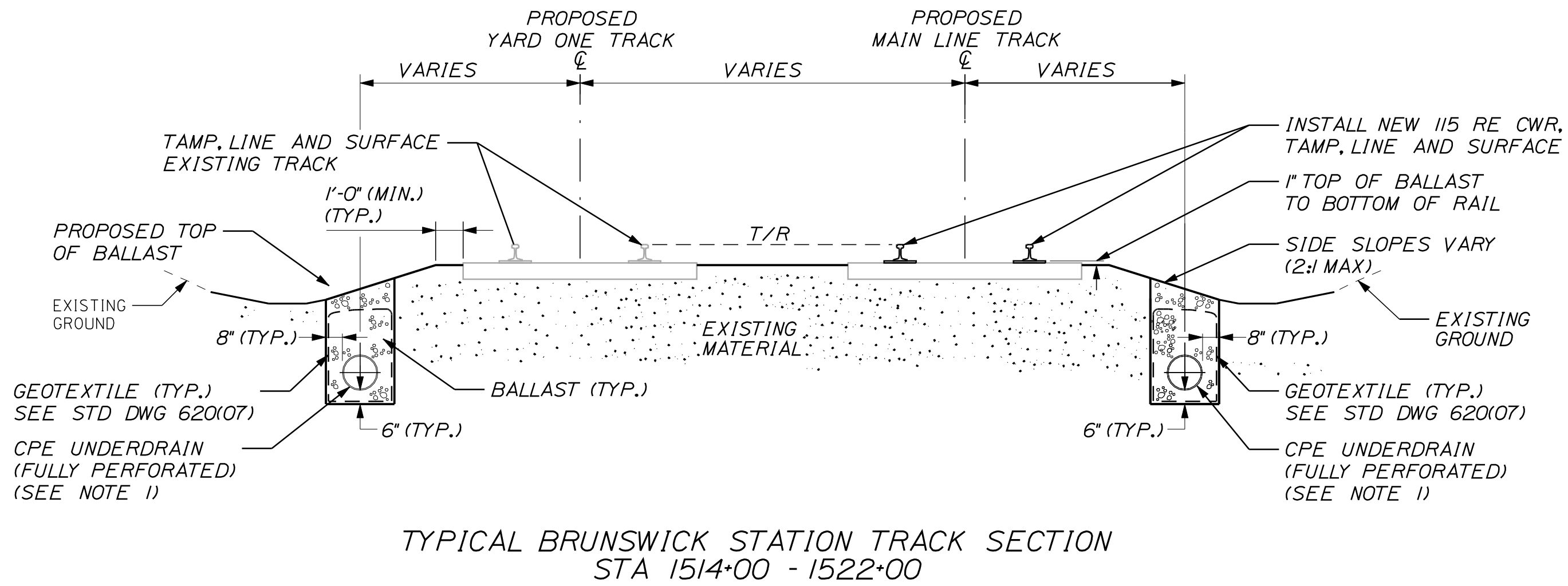
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DEEP CUT TYPICAL TRACK SECTIONS																				SIGNATURE		P.E. NUMBER		DATE		FIELD CHANGES	
PROJ. MANAGER		M. Boonstra		BY J. Bandyk		DATE 8/24/10																					
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REVISIONS 4																											
FIELD CHANGES																											

Date:8/24/2010

Username: common

Division: HIGHWAY

Filename: ... \MSTAD006_TypicalSections2.dgn



NOTE:

1. REFER TO TRACK PLAN AND PROFILE DRAWINGS FOR INVERT ELEVATIONS. ALL UNDERDRAIN SHALL BE CPE UNLESS OTHERWISE NOTED
2. SUBBALLAST SHALL BE PLACED ON A COMPACTED SUBGRADE WITH THE SPECIFIED SLOPE.
3. TOP OF RAIL (T/R) ELEVATION IS DEFINED AS AS THE LOW RAIL (OR INSIDE RAIL) IN CURVES.
4. ANY OVER-EXCAVATION OF UNSUITABLE MATERIAL BELOW THE PLAN BOTTOM OF SUBBALLAST SHALL BE REPLACED WITH COMPACTED SUBBALLAST.
5. CONSTRUCT NEW TRACK AND SURFACE AND ALIGN EXISTING TRACK TO FRA CLASS 4 STANDARDS OR BETTER.
6. THE STATIONING SHOWN UNDER EACH TYPICAL SECTION IS APPROXIMATE.

NOT TO SCALE

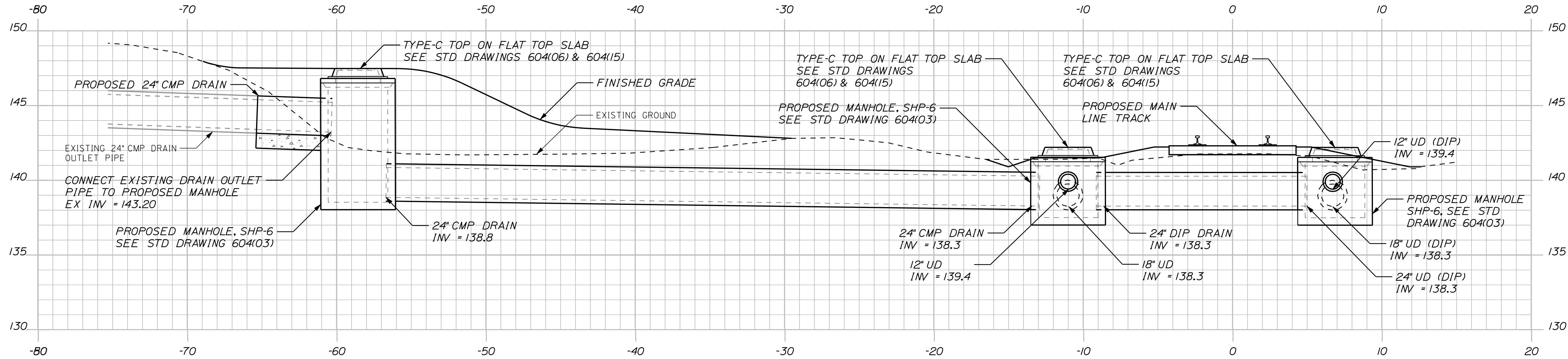
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PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		DESIGN-REVIEWED		DESIGN-DETAILED	
DESIGN-REVIEWED		DESIGN-DETAILED		DESIGN-REVIEWED	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		REVISIONS 5		REVISIONS 6	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
Brunswick		BRUNSWICK STATION TYPICAL TRACK SECTIONS		SHEET NUMBER	
6		OF 87			

Date:8/24/2010

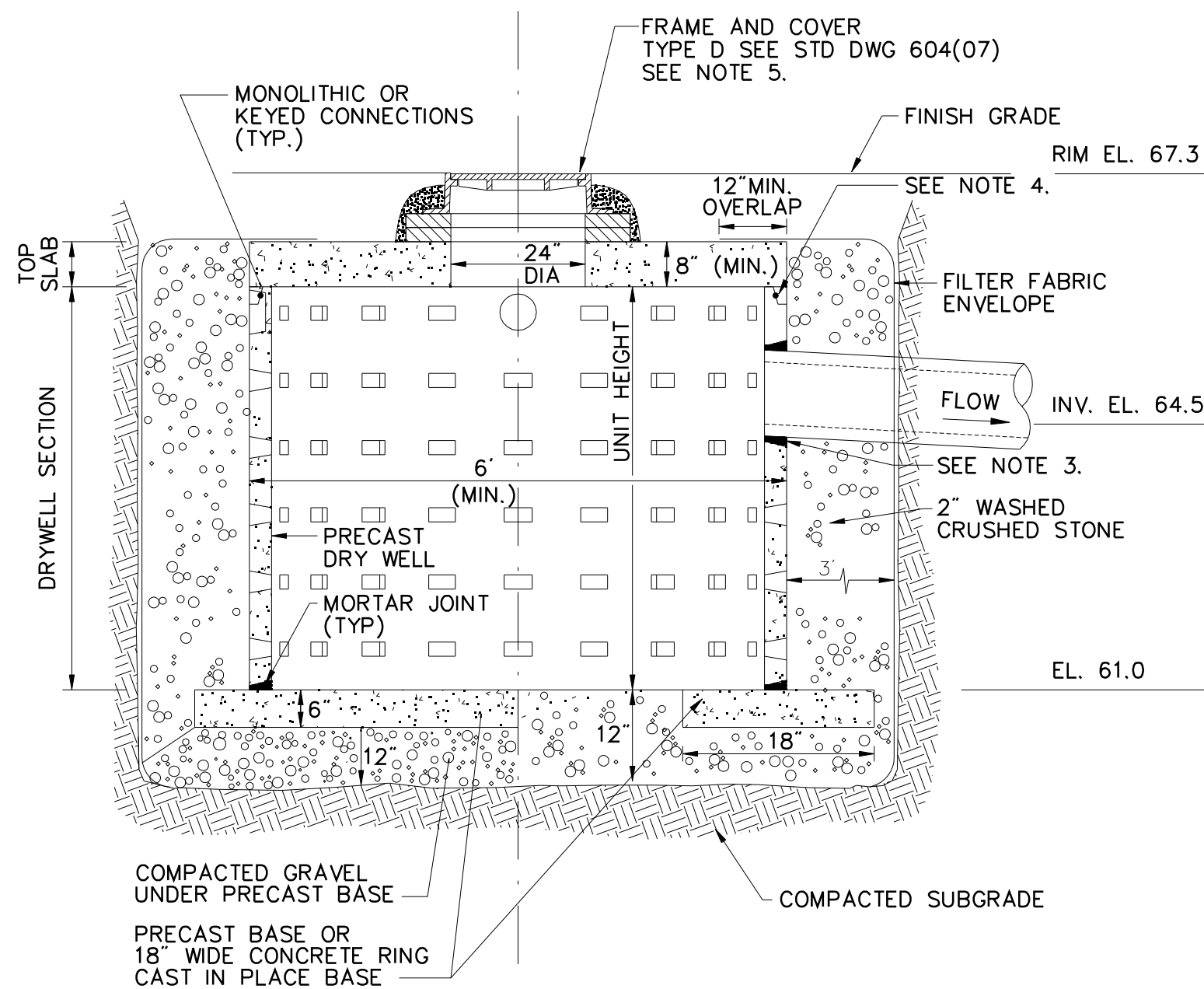
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Division: HIGHWAY

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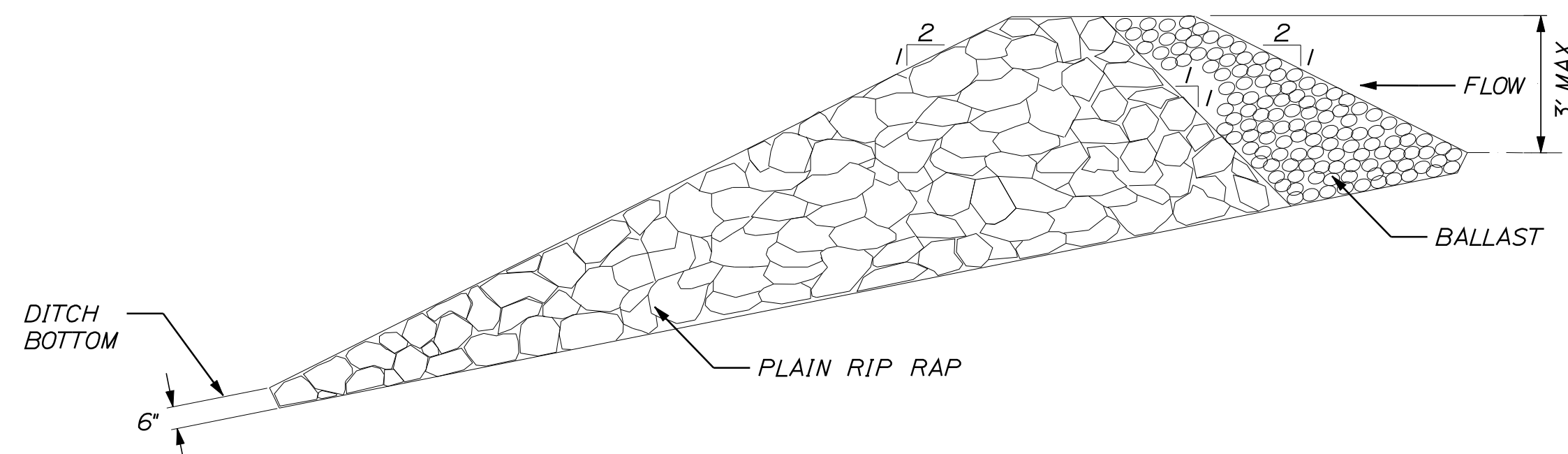
EXISTING DRAIN CONNECTION DETAIL
DEEP CUT
APPROX. STA 1405+00



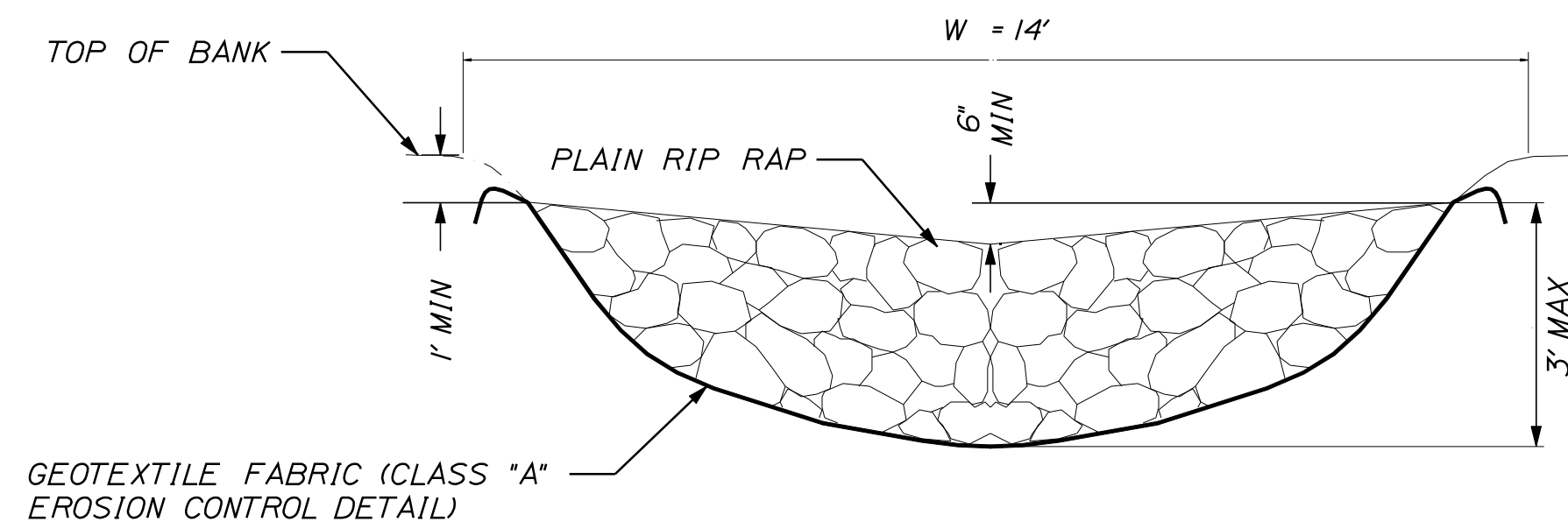
NOTES:

1. BASE SECTION SHALL BE PRECAST CONCRETE WITH MORTARED JOINTS OR CAST IN PLACE.
2. ALL COMPONENTS SHALL BE DESIGNED FOR E-80 LOADING.
3. PROVIDE PRECAST OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSE MINIMUM, 5 BRICK COURSE MAXIMUM)

SEEPAGE COLLECTION BASIN
DETAIL BRUNSWICK STATION
APPROX. STA 1533+40



DITCH PROFILE



DITCH CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES:

1. EROSION CONTROL GEOTEXTILE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS 620X02 and 620X06.
2. RIPRAP SHALL MEET 610X02.
3. FOR ADDED STABILITY, THE BASE OF THE DAM SHALL BE KEYED 6 INCHES INTO THE SOIL.

RIP RAP DITCH EROSION PROTECTION DETAIL
DEEP CUT
APPROX. STA 1408+50

NOT TO SCALE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION										15236										PIN 15236.00																																							
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PROJ. MANAGER										R. Corey										BY										J. Berdyk										DATE										8/24/10									
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- NOTE:
- 1. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.
 - 2. IF ENTIRE WORK AREA IS VISIBLE FROM ONE STATION, A SINGLE FLAGGER MAY BE USED
 - 3. WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 - 4. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

Key:

FLAGGER

CHANNELIZING DEVICES

FIGURE 6-5. TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED

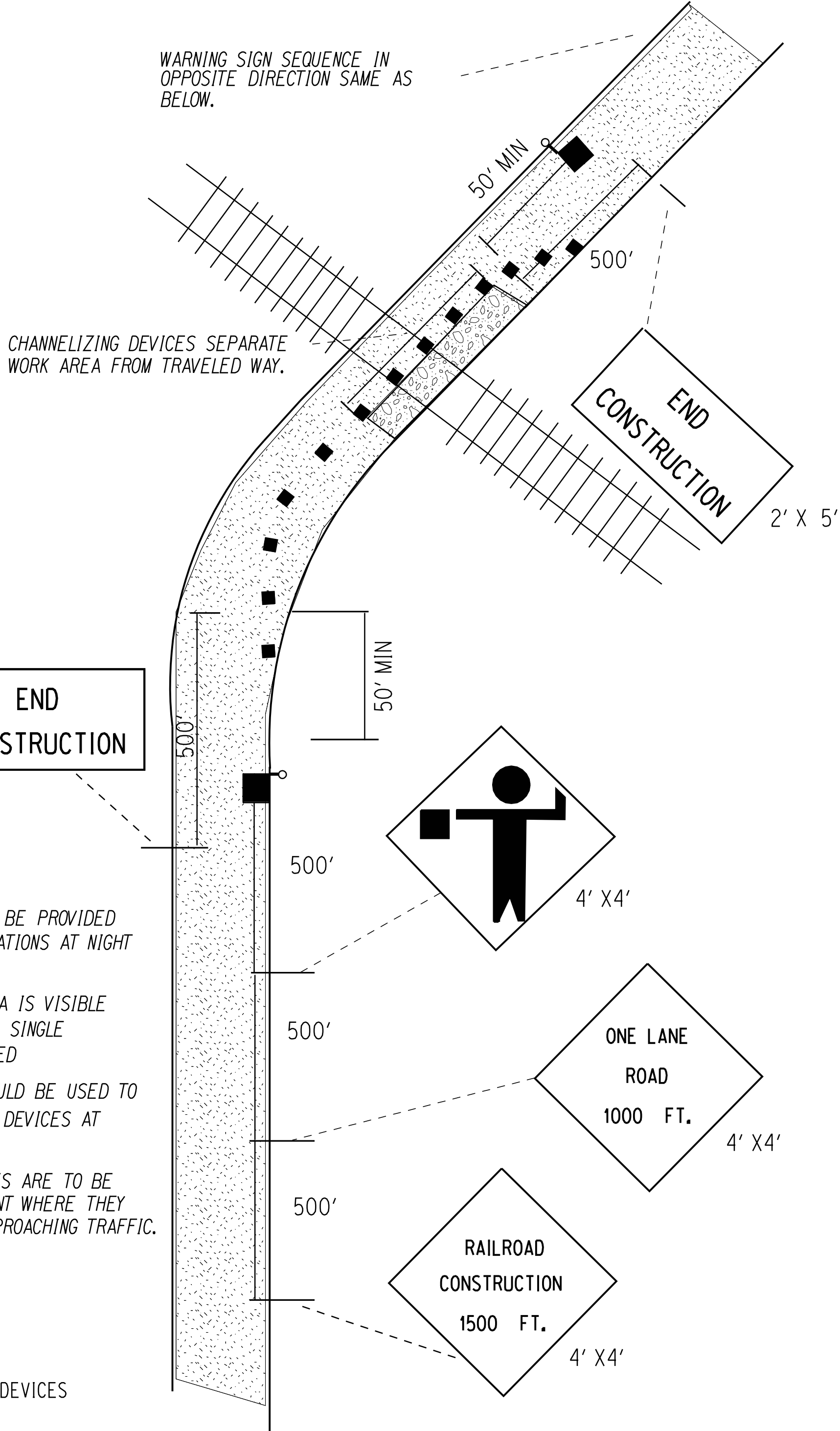
SPECIFICATIONS:

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

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

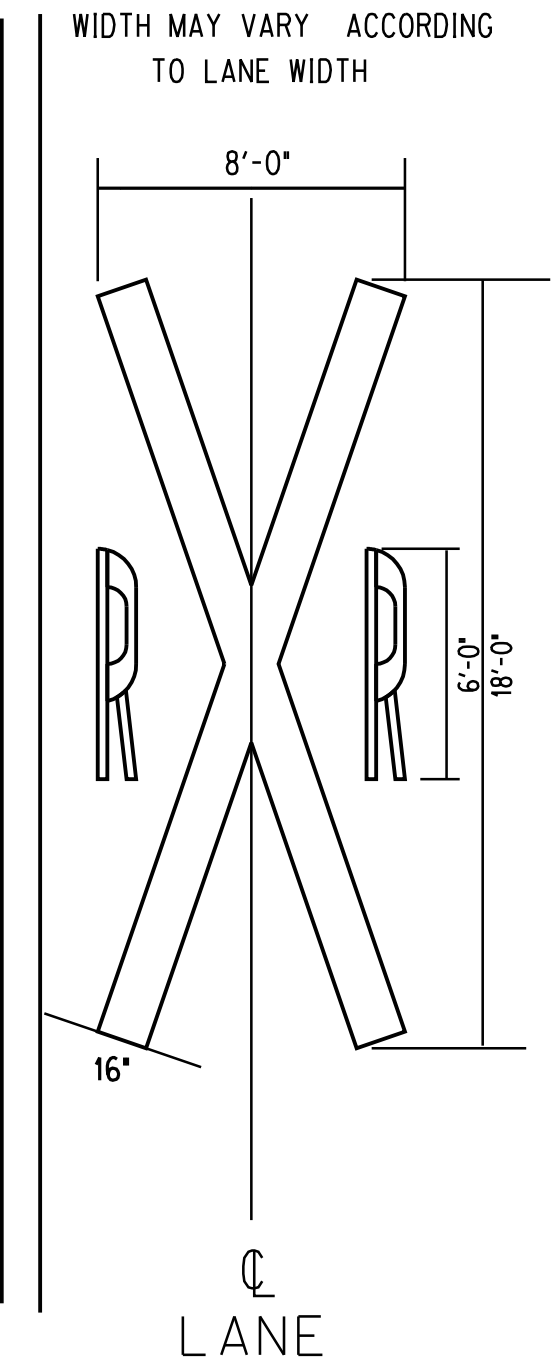
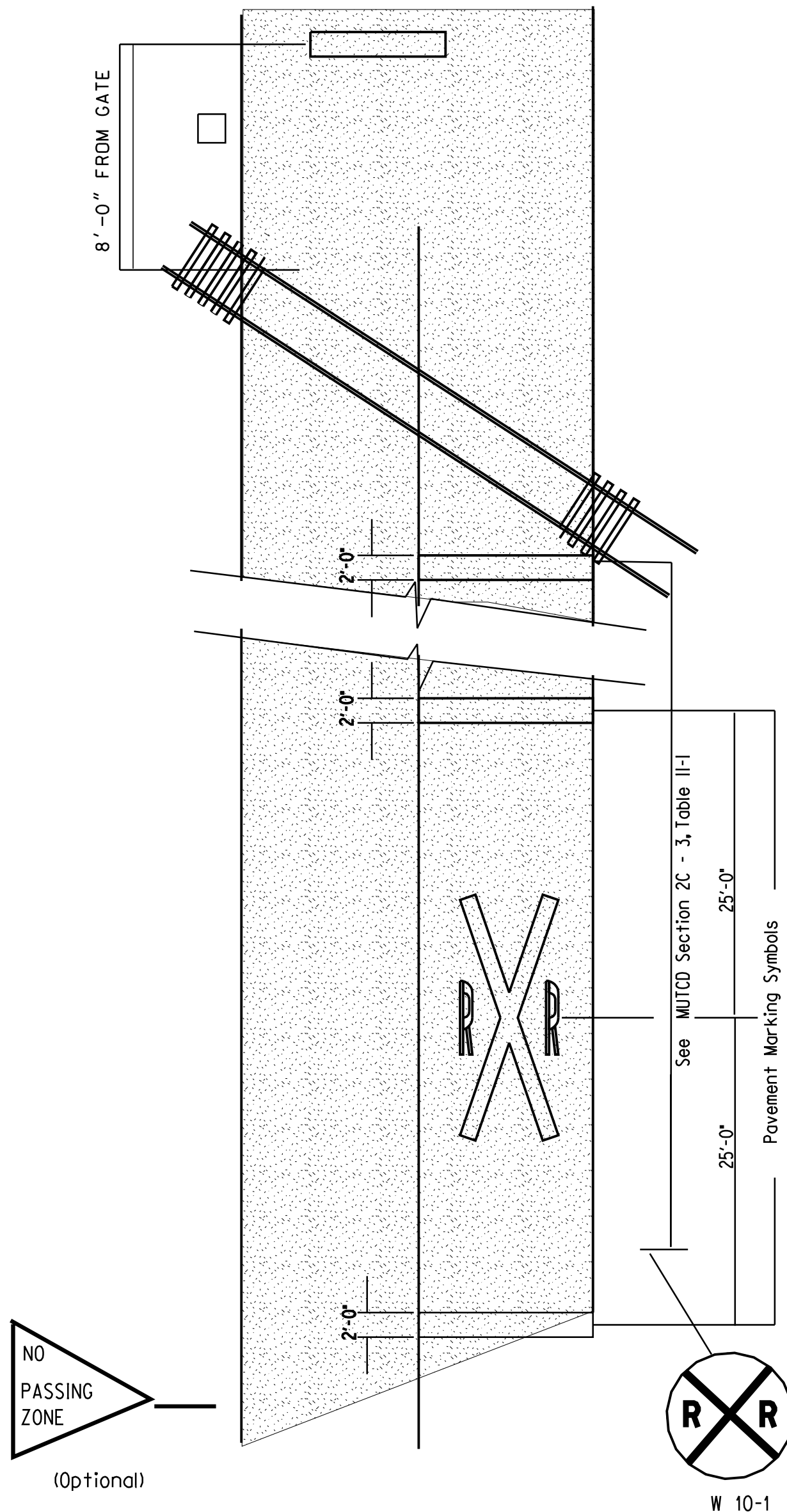


Suggested Minimum Pavement Marking Placement Distance

Use Highest Posted Speed	Minimum Distance From Nearest Track
20 MPH	175'
25 MPH	250'
30 MPH	325'
35 MPH	400'
40 MPH	475'
45 MPH	550'
50 MPH	625'
55 MPH	700'
60 MPH	775'

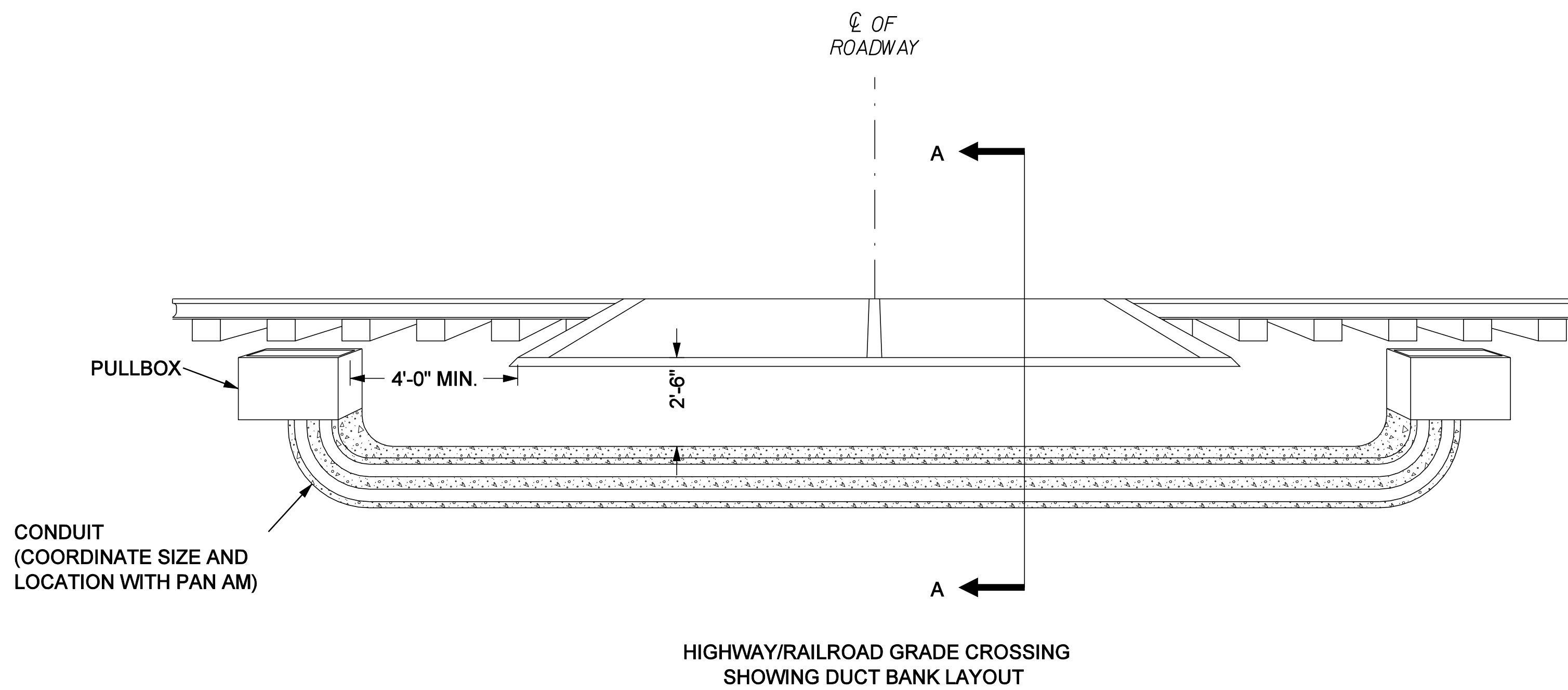
WHEN USED, A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE "ADVANCE WARNING SIGN" (W 10-1). IF NEEDED, SUPPLEMENTAL PAVEMENT MARKING SYMBOL(S) MAY BE PLACED BETWEEN THE "ADVANCE WARNING SIGN" AND THE CROSSING, BUT SHOULD BE AT LEAST 50' FROM THE STOP LINE.

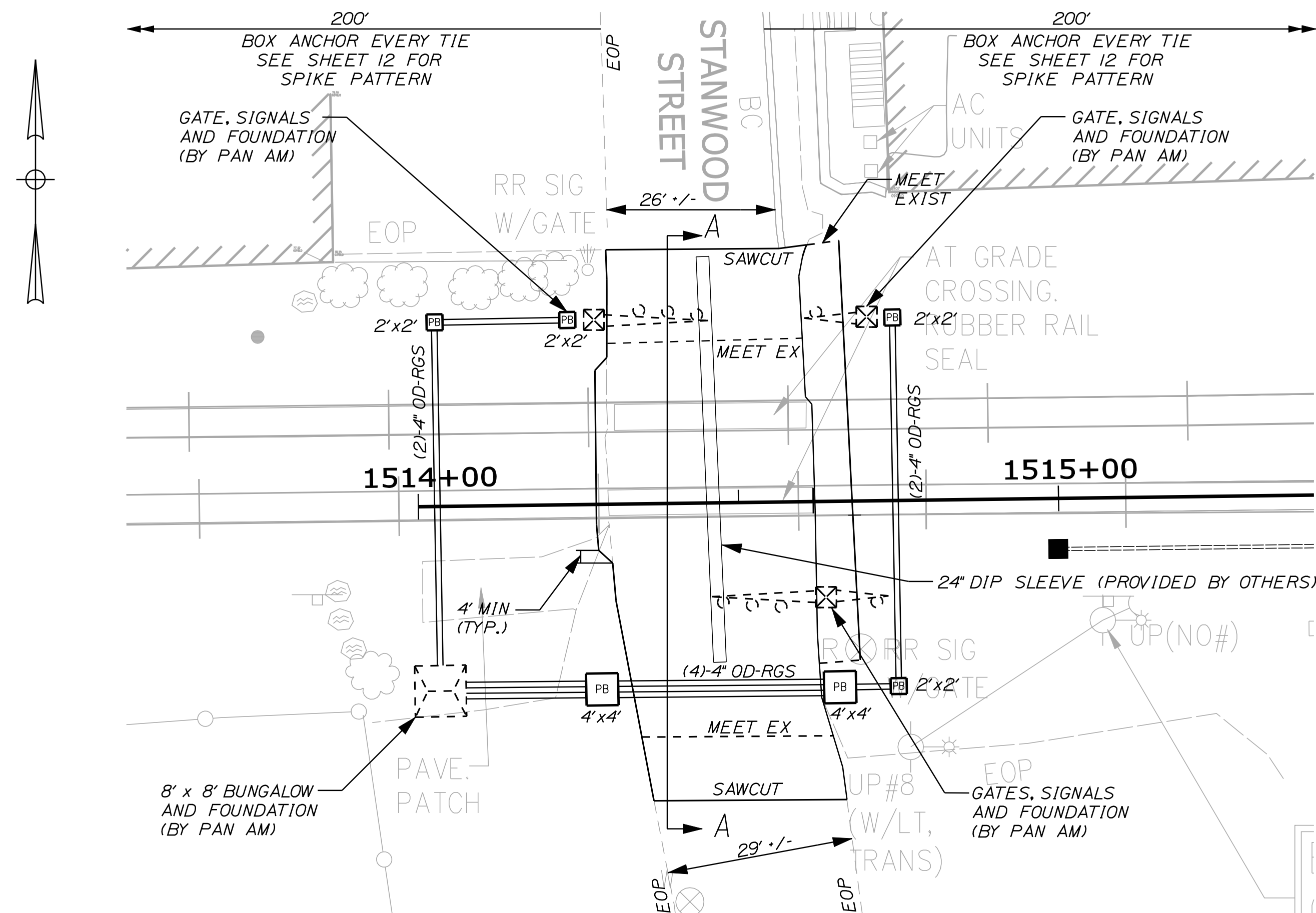
REFER TO STANDARD ALPHABET FOR HIGHWAY AND MARKINGS FOR RXR SYMBOL DETAILS.



PAVEMENT MARKINGS AT RAILROAD
GRADE CROSSINGS

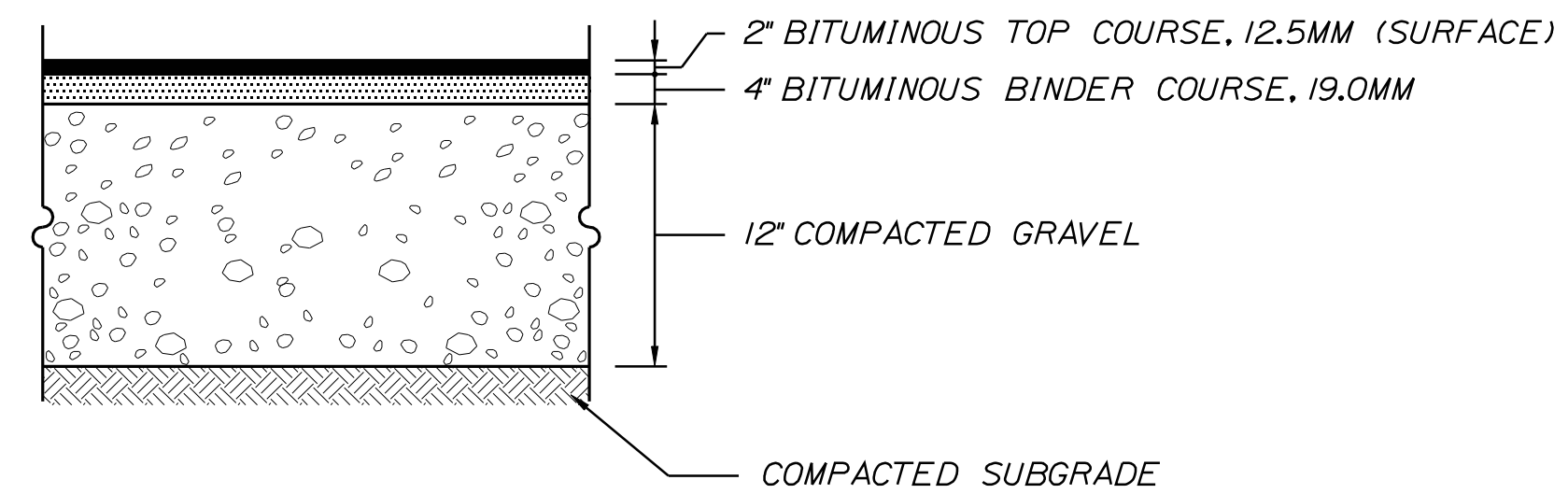
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PROJ. MANAGER		CHECKED-REVIEWED		DESIGN-DETAILED	
DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1	
REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		DATE		BY	
8/24/10		J. Boudry		R. Corey	
Brunswick		GRADE CROSSING DETAILS		SHEET NUMBER	
8		OF 87		NOT TO SCALE	

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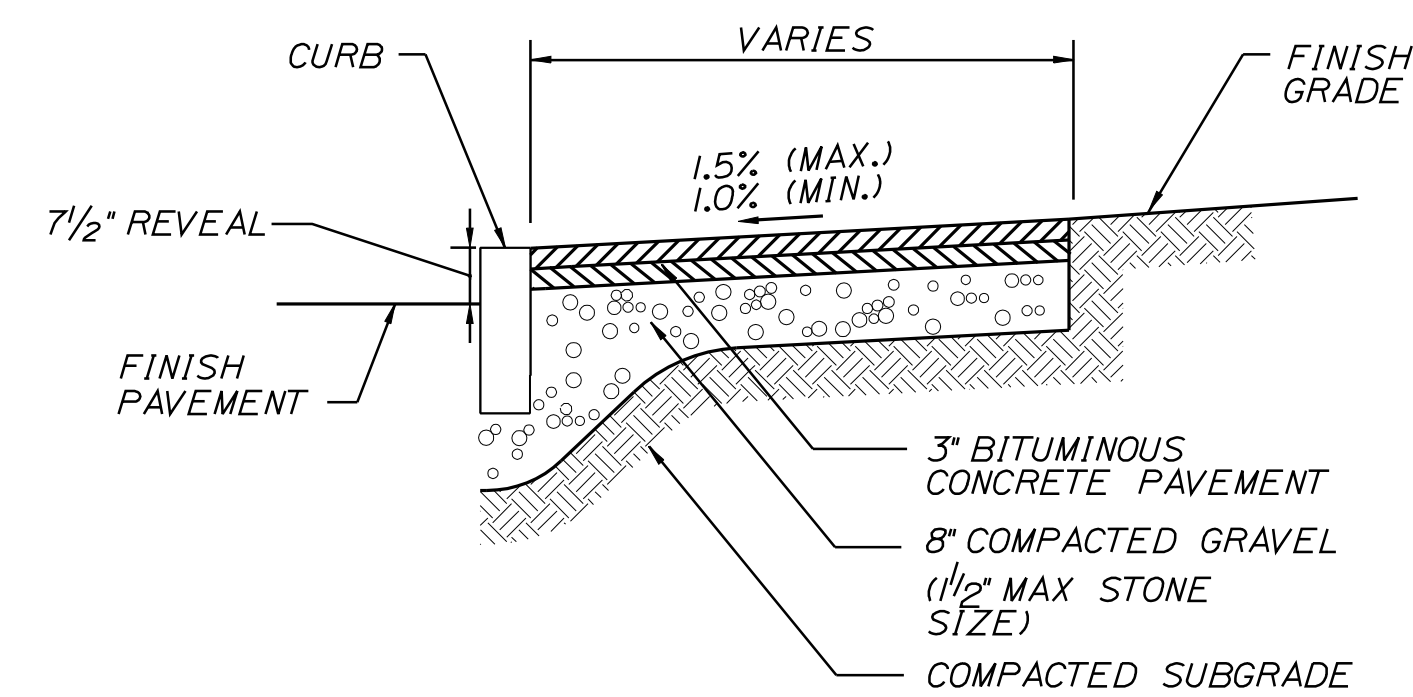
STANWOOD STREET GRADE CROSSING PLAN

SCALE: NTS



BITUMINOUS CONCRETE PAVEMENT DETAIL

SCALE: NTS



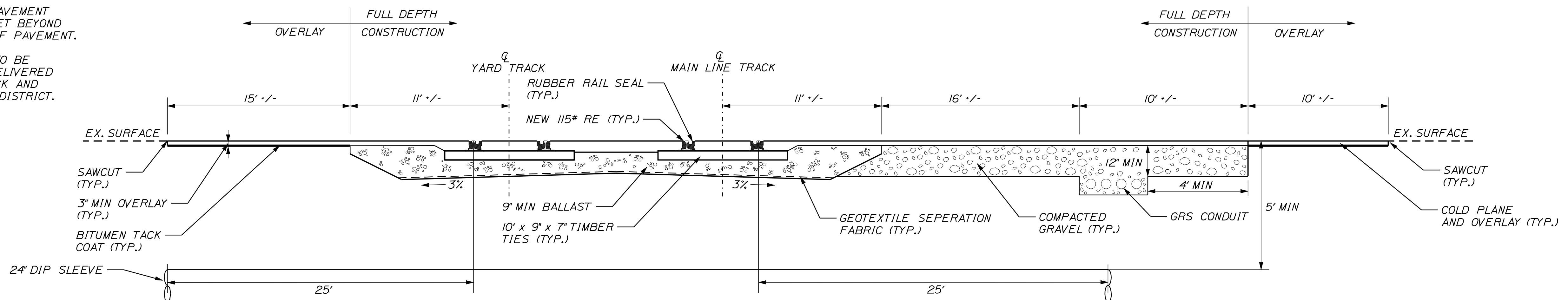
BITUMINOUS CONCRETE SIDEWALK DETAIL

SCALE: NTS

NOTE:

1. CONTRACTOR TO COORDINATE
DUCTBANK AND PULLBOX
LOCATIONS FOR ALL GRADE
CROSSINGS WITH PAN AM.
2. RAIL SEAL AND PAVEMENT
TO EXTEND 2 FEET BEYOND
EXISTING EDGE OF PAVEMENT.
3. 24" DIP SLEEVE TO BE
SUPPLIED AND DELIVERED
BY THE BRUNSWICK AND
TOPSHAM WATER DISTRICT.

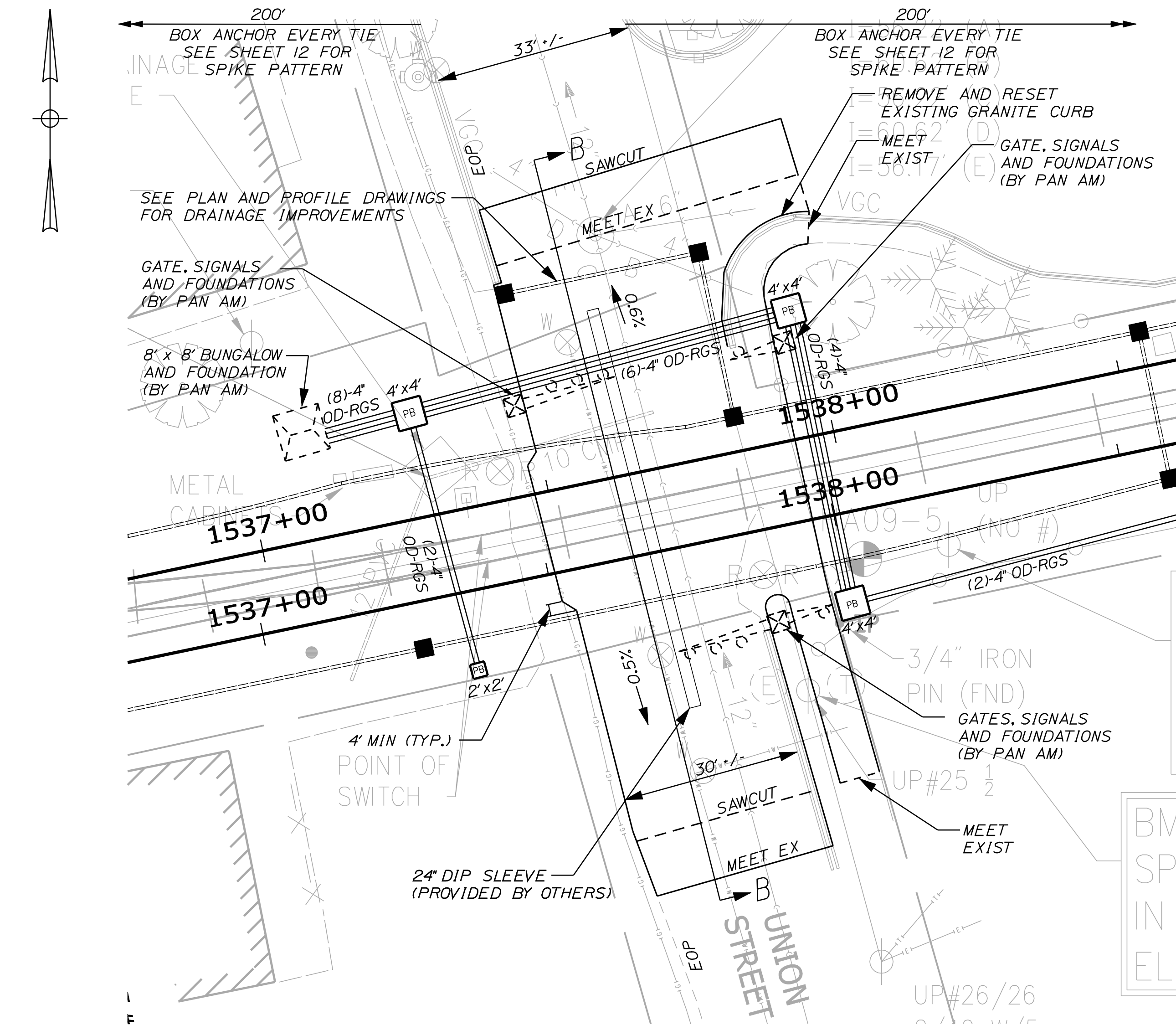
PB = *PULLBOX*



STANWOOD STREET - SECTION A-A

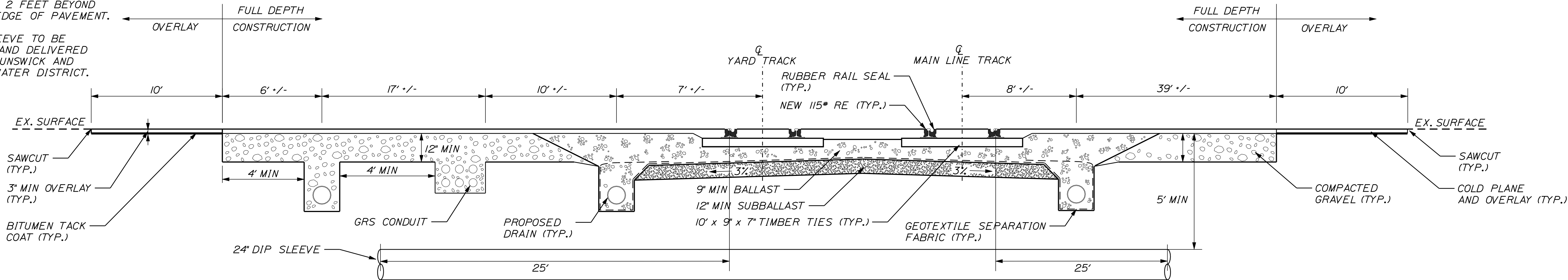
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SHEET NUMBER										10										OF 87																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
BRUNSWICK										STANWOOD STREET										GRADE CROSSING PLAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DESIGN-DETAILED		M. Boomsma		J. Bendyk		8/24/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	



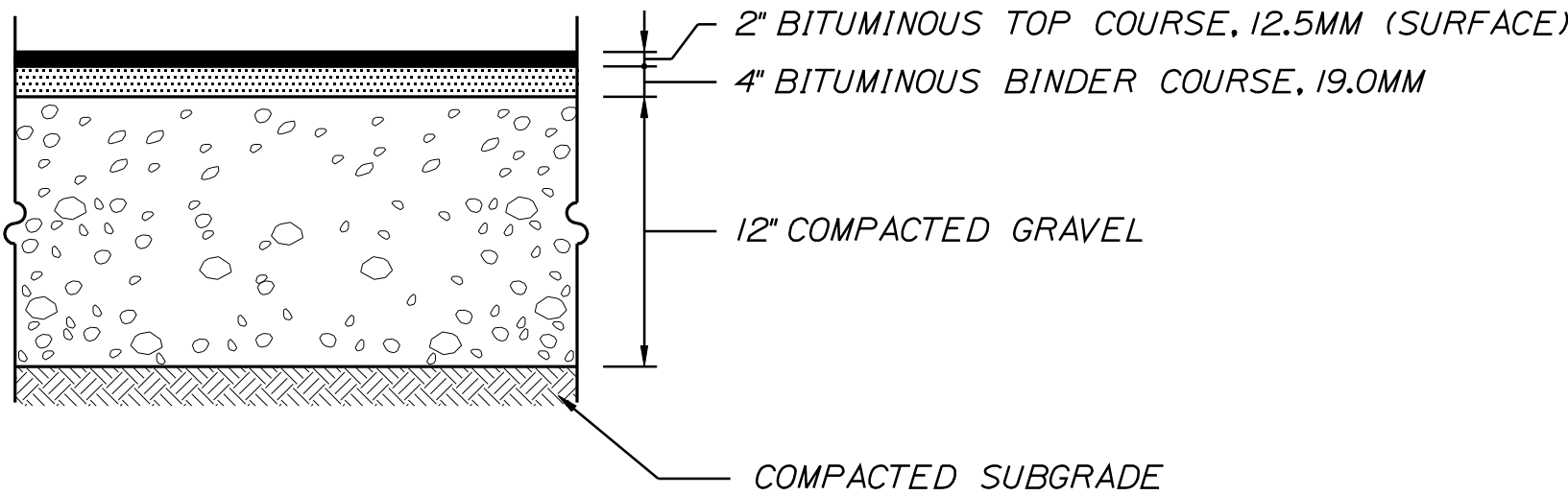
- NOTE:
1. CONTRACTOR TO COORDINATE DUCTBANK AND PULLBOX LOCATIONS FOR ALL GRADE CROSSINGS WITH PAN AM.
 2. RAIL SEAL AND PAVEMENT TO EXTEND 2 FEET BEYOND EXISTING EDGE OF PAVEMENT.
 3. 24" DIP SLEEVE TO BE SUPPLIED AND DELIVERED BY THE BRUNSWICK AND TOPSHAM WATER DISTRICT.

[PB] = PULLBOX



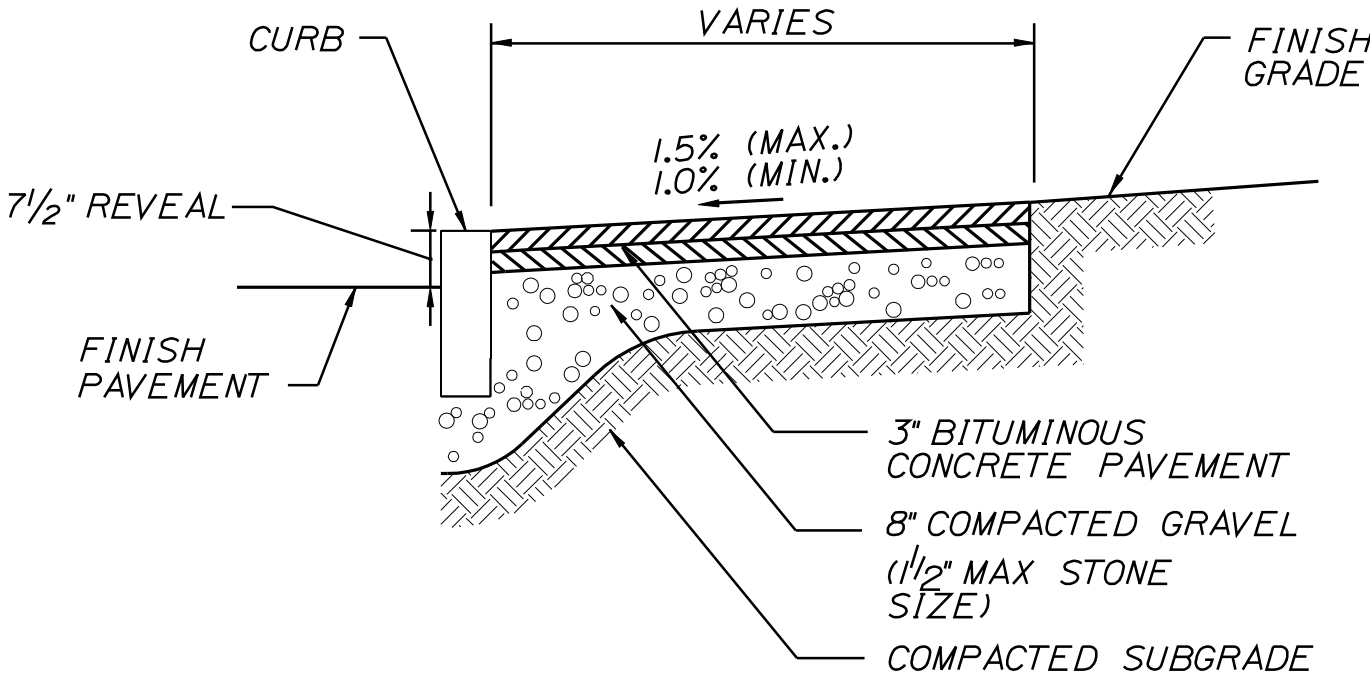
UNION STREET - SECTION B-B

SCALE: NTS




BITUMINOUS CONCRETE PAVEMENT DETAIL

SCALE: NTS



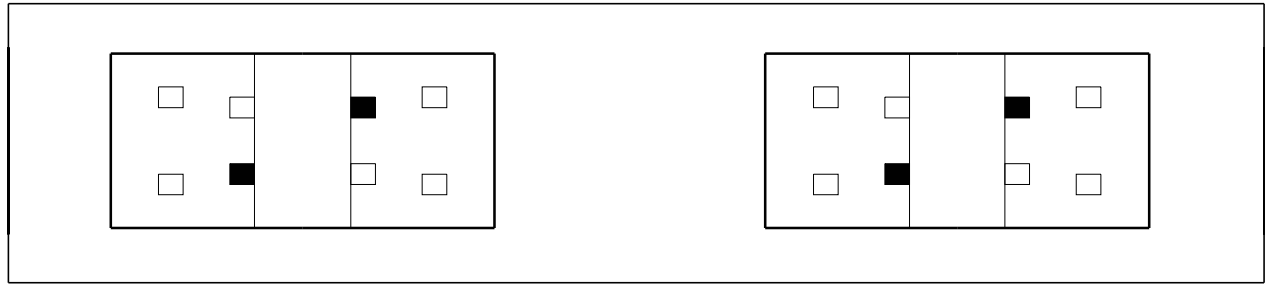
BITUMINOUS CONCRETE SIDEWALK DETAIL

SCALE: NTS

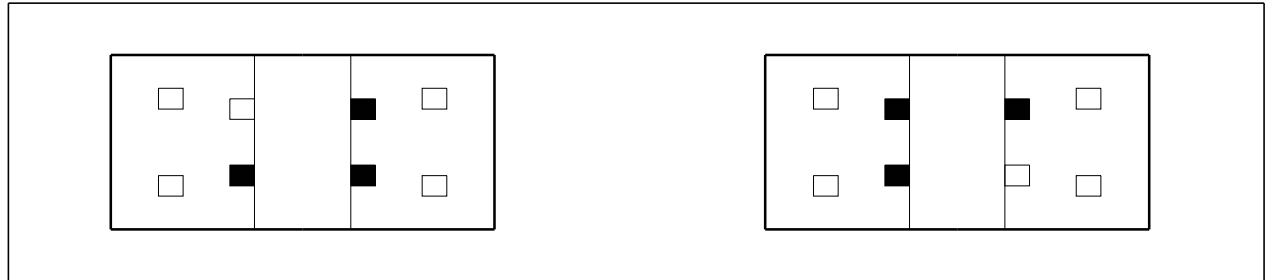
BRUNSWICK		PROJ. MANAGER		R. Corey	BY	DATE
UNION STREET GRADE CROSSING PLANS		DESIGN-DETAILED		M. Boonsma	J. Bandyk	8/24/10
		CHECKED-REVIEWED				
		DESIGN2-DETAILED2				
		DESIGN3-DETAILED3				
		REVISIONS 1				
		REVISIONS 2				
		REVISIONS 3				
		REVISIONS 4				
		FIELD CHANGES				
						
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE				
15236		P.E. NUMBER				
PIN 15236.00		DATE				

SHEET NUMBER	
11	
OF 87	

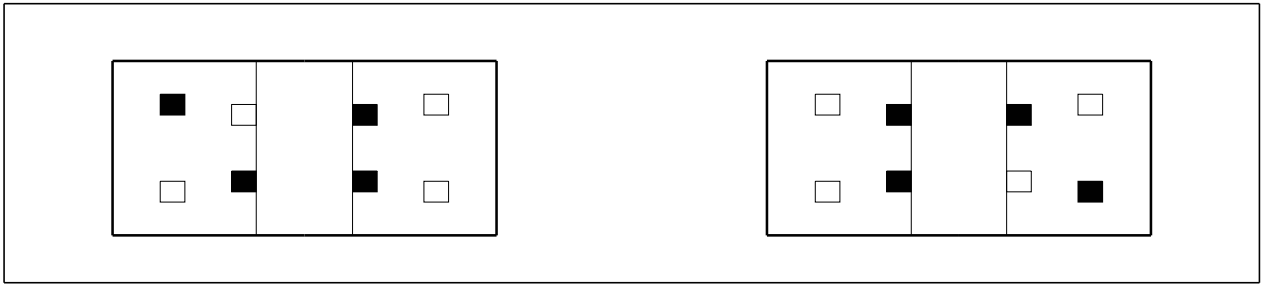
SPIKING PATTERN "A"
NOT USED



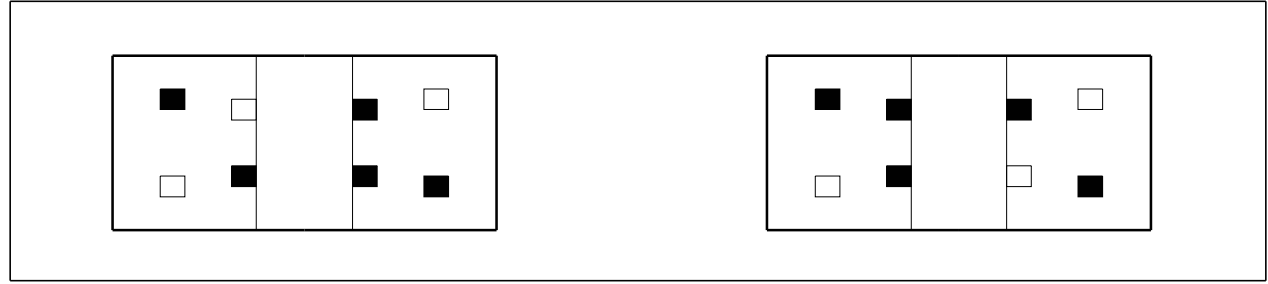
SPIKING PATTERN "B"



SPIKING PATTERN "C"
NOT USED



SPIKING PATTERN "D"
NOT USED



TRACK TYPE, TRACK ALIGNMENT, AND SPEED AUTHORIZED	SPIKES PER TIE PLATE	SPIKING PATTERN
MAIN TRACKS AND SIDINGS		
TANGENTS AND CURVES LESS THAN 2 DEGREE WITH SPEED UP TO 45 MPH (NOT APPLICABLE)	2	A
TANGENTS AND CURVES LESS THAN 2 DEGREE WITH SPEED GREATER THAN 45 MPH	3	B
CURVES 2 DEGREE AND OVER BUT LESS THAN 6 DEGREE	4	C
CURVES OVER 6 DEGREE (NOT APPLICABLE)	5	D

TIE SPIKING PATTERN SCHEDULE

■ = TRACK SPIKE

NOTE

1. SPIKE PATTERN B SHALL BE USED THROUGH OUT.
2. BOX ANCHOR EVERY OTHER TIE ON MAIN LINE TRACK, EXCEPT AS NOTED ON GRADE CROSSING PLANS.
3. BOX ANCHOR EVERY FOURTH TIE ON YARD TRACKS.
4. FOR TURNOUTS IN CWR AREAS, EVERY TIE TO WHICH AN ANCHOR CAN BE APPLIED MUST BE BOX ANCHORED ON BOTH THE THROUGH TRACK AND TURNOUT SIDE AND FOR A DISTANCE OF 200 FEET IN EACH DIRECTION. CARE MUST BE TAKEN TO ENSURE THAT ANCHORS DO NOT INTERFERE WITH THE MOVABLE PORTION OF THE SWITCH.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

STATE OF MAINE
TIMOTHY S. BRYANT
No. 1260
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE

8/24/10

BY
J. Boudry

R. Corry
M. Boudry

PROJ. MANAGER
DESIGN-DETAILED

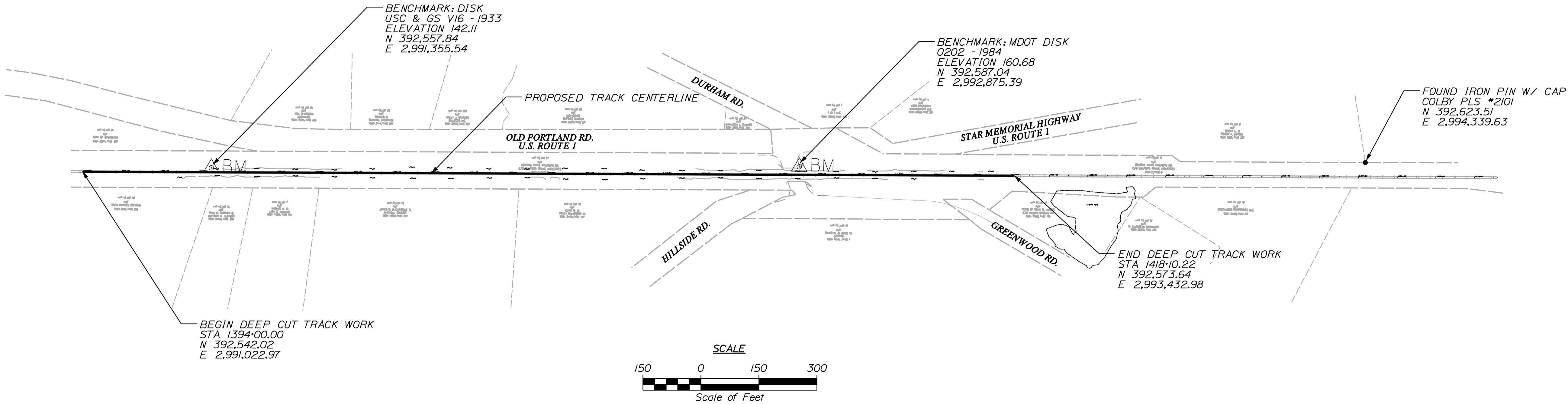
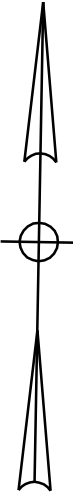
Brunswick

SPIKING PATTERN SCHEDULE

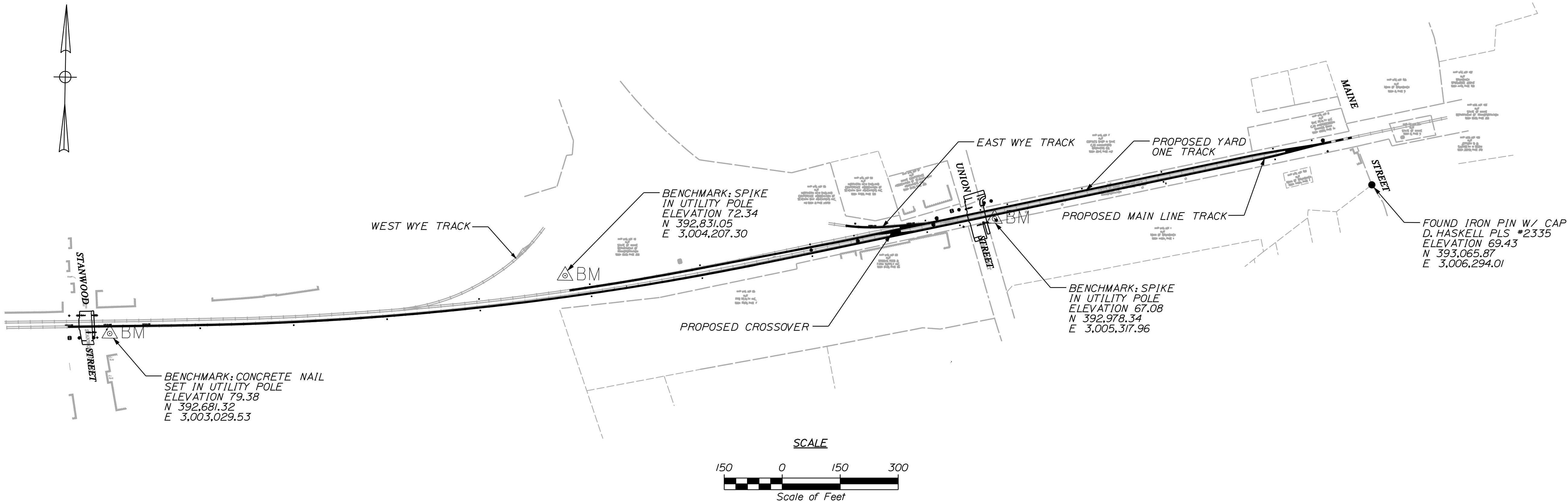
SHEET NUMBER

12

OF 87



Brunswick	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
	15236	
DEEP CUT BASELINE PLAN	SIGNATURE	PIN 15236.00
	P.E. NUMBER	
SHEET NUMBER	DATE	
13	8/24/10	
OF 87	BY J. Bendyk	
	PROJ. MANAGER R. Corey	DATE
	CHECKED-REVIEWED M. Boonstol	
	DESIGNS-DETAILED	
	REVISIONS 1	
	REVISIONS 2	
	REVISIONS 3	
	REVISIONS 4	
	FIELD CHANGES	



BRUNSWICK STATION		MAIN LINE TRACK		SPIRAL GEOMETRY TABLE			
<i>I</i> =	11°03'55.59"		<i>Øs in</i> =	0°33'31.11"			
<i>DELTA</i> =	9°56'53.37"		<i>Ls in</i> =	155.00'			
<i>Dc</i> =	0°43'15"		<i>Øs out</i> =	0°33'31.11"			
<i>R</i> =	7,948.60'		<i>Ls out</i> =	155.00'			
<i>Tt in</i> =	847.46'		<i>Ea</i> =	0.50"	<i>Ee</i>	<i>Eu</i>	<i>jg</i>
<i>Tt out</i> =	847.46'	<i>Eu max</i> = 3.00	<i>VAmtrak</i> = 60.0 mph	1.82"	1.32"	0.025g	
<i>Lc</i> =	1,380.10'	<i>Eu max</i> = 1.50	<i>Vf</i> = 25.0 mph	0.32"	-0.18"	NA	
<i>Et</i> =	37.33'		<i>Vmin</i> = 31.5 mph	0.50"	0.00"	NA	
<i>M</i> =	29.93'						

BRUNSWICK STATION		MAIN LINE TRACK		BASELINE GEOMETRY TABLE	
		STATION		NORTHING	EASTING
TS		1516+30.48		392,701.80	3,003,153.00
			SEE SPIRAL GEOMETRY TABLE ABOVE		
SC		1517+85.48		392,704.31	3,003,308.00
			SEE SPIRAL GEOMETRY TABLE ABOVE		
CS		1531+65.58		392,854.93	3,004,678.12
			SEE SPIRAL GEOMETRY TABLE ABOVE		
ST		1533+20.58		392,886.14	3,004,829.94
			N78°11'39"E 1174.50'		
PC		1544+95.58		393,126.47	3,005,979.71
			RADIUS = 1910.08' TANGENT = 47.74' LENGTH = 95.46' DELTA = 2°51'49"L Dc = 3°00'00"		
PT		1545+91.05		393,148.33	3,006,072.63
			N75°19'50"E 87.65'		
PS (MEET EXISTING)		1546+90.27		393,172.95	3,006,169.01
			# 10 EQ TURNOUT		

BRUNSWICK STATION		YARD ONE TRACK		BASELINE GEOMETRY TABLE	
		STATION		NORTHING	EASTING
CS (MEET EXISTING)		1527+00.23		392,794.32	3,004,219.44
			Rout = 7993.37' RIn = 7639.49' LENGTH = 92.46' DELTA = 0°38'50"		
PC		1527+92.69		392,806.88	3,004,309.99
			RADIUS = 7639.49' TANGENT = 122.36' LENGTH = 244.70' DELTA = 1°50'07"L Dc = 0°45'00"		
PT		1530+37.39		392,848.85	3,004,551.05
			N79°12'24"E 345.43'		
PC		1533+82.82		392,913.54	3,004,890.37
			RADIUS = 2864.93' TANGENT = 25.32' LENGTH = 50.63' DELTA = 1°00'45"L Dc = 2°00'00"		
PT		1534+33.45		392,923.46	3,004,940.02
			N78°11'39"E 1049.72'		
PC		1544+83.17		393,138.23	3,005,967.53
			RADIUS = 1910.08' TANGENT = 47.70' LENGTH = 95.38' DELTA = 2°51'40"R Dc = 3°00'00"		
PT		1545+78.55		393,155.40	3,006,061.34
			N81°03'19"E 97.26'		
PS (MEET EXISTING)		1546+87.65		393,172.95	3,006,169.01
			# 10 EQ TURNOUT		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

STATE OF MAINE
THOMAS
BRYANT
No. 1280
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER

CHECKED-REVIEWED

DESIGNS-DETAILED

DESIGNS-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

8/24/10

BY

J. Berdyk

R. Corey

M. Boonstra

Brunswick

BRUNSWICK STATION
BASELINE PLAN

SHEET NUMBER

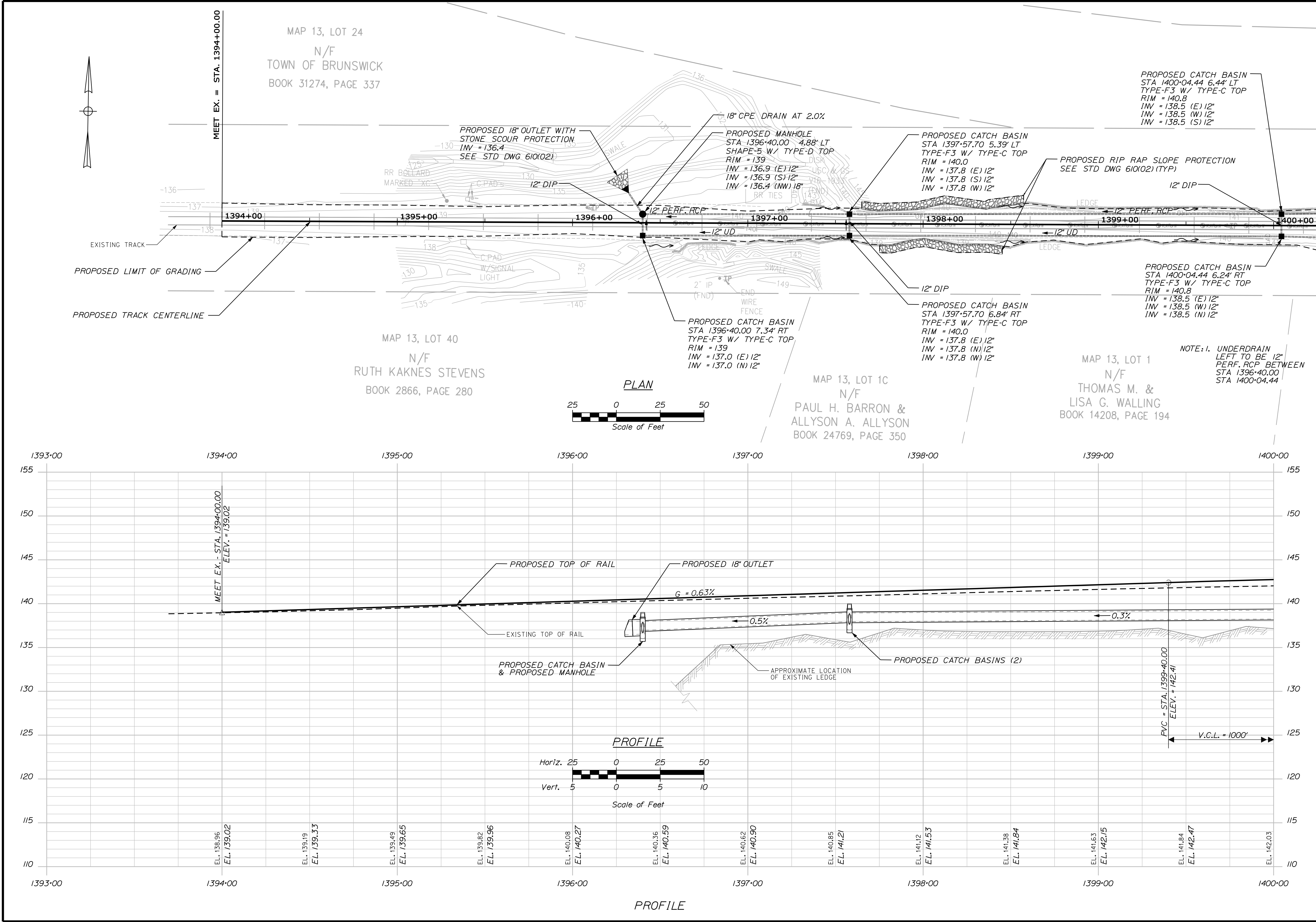
14

OF 87

Date: 8/24/2010

Username: common

Filename: ...\\HIGHWAY\\MSTA\\015_DC_P&P-1.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
SIGNATURE J. BARRY No. 12880		P.E. NUMBER		DATE	
PROJ. MANAGER R. Corey		BY J. Barry		DATE 8/24/10	
DESIGN-DETAILED M. Boonstra		CHECKED-REVIEWED		DESIGNS-DETAILED	
DESIGNS-DETAILED		REVISIONS 1		REVISIONS 2	
REVISIONS 3		REVISIONS 4		FIELD CHANGES	
Brunswick		DEEP CUT PLAN & PROFILE			
SHEET NUMBER		15			
		OF 87			

**OLD PORTLAND RD.
U.S. ROUTE 1**

PROPOSED CATCH BASIN
STA 1400+04.44 6.51' LT
TYPE-F3 W/ TYPE-C TOP
RIM = 140.8
INV = 138.5 (E) 12"
INV = 138.5 (W) 12"
INV = 138.5 (S) 12"

PROPOSED RIP RAP SLOPE PROTECTION
SEE STD DWG 610(02) (TYP)

PROPOSED CATCH BASIN
STA 1402+44.74 11.22' LT
TYPE-F4 W/ TYPE-C TOP
RIM = 142.0
INV = 139.2 (E) 12"
INV = 139.2 (W) 12"
INV = 139.2 (S) 12"

PROPOSED CATCH BASIN
STA 1402+44.74 11.94' RT
TYPE-F4 W/ TYPE-C TOP
RIM = 142.0
INV = 139.2 (E) 12"
INV = 139.2 (W) 12"
INV = 139.2 (N) 12"

PROPOSED MANHOLE
STA 1404+88.98 33.53' LT
SHAPE-2 W/ TYPE-D TOP
RIM = 147.5
INV = 143.2 (N) 24" EX
INV = 138.8 (S) 24"

PROPOSED MANHOLE
STA 1404+98.87 10.48' LT
SHAPE-2 W/ TYPE-D TOP
RIM = 142.2
INV = 139.4 (W) 12"
INV = 138.3 (N) 24"
INV = 138.3 (E) 18"
INV = 138.3 (S) 24"

PROPOSED MANHOLE
STA 1404+98.87 6.21' RT
SHAPE-2 W/ TYPE-D TOP
RIM = 142.2
INV = 139.4 (W) 12"
INV = 138.3 (E) 18"
INV = 138.3 (N) 24"

PROPOSED RIP RAP SLOPE PROTECTION
SEE STD DWG 610(02) (TYP)

PROPOSED TRACK CENTERLINE
SEE DETAIL SHEET NUMBER 7

PROPOSED LIMIT OF GRADING

12" DIP

12" UD

24" DIP

18" UD

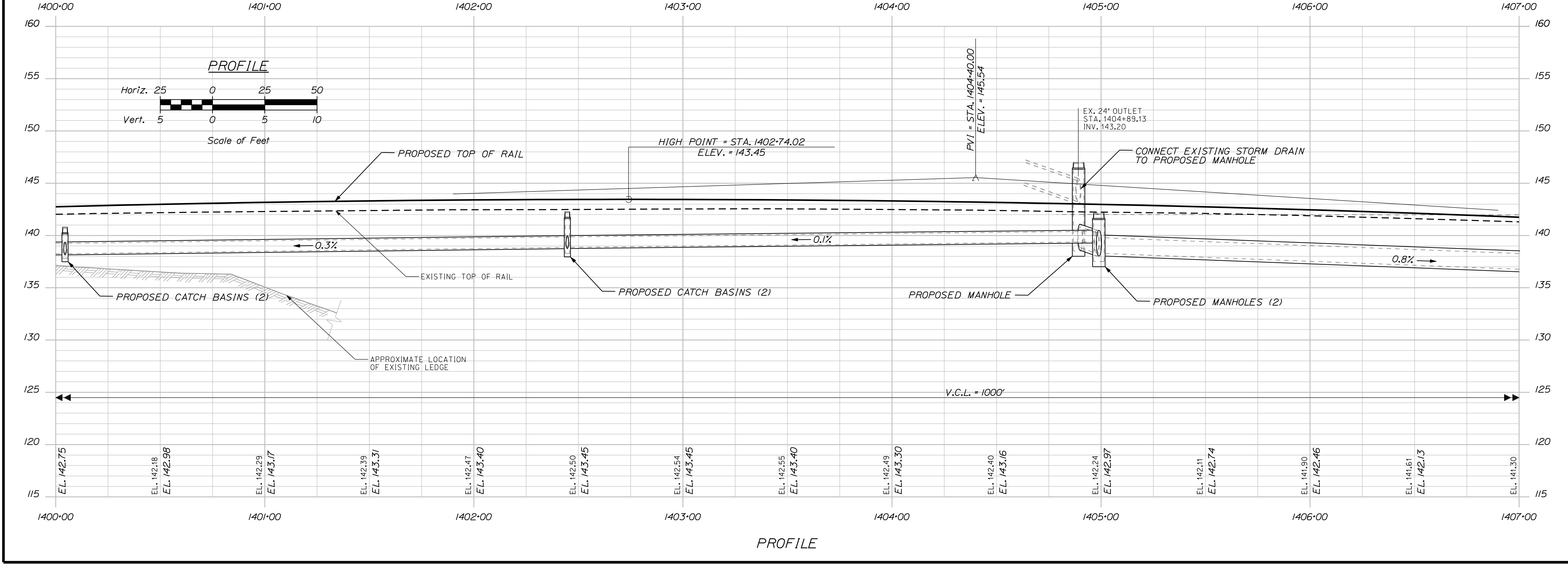
MAP 13, LOT 1B
N/F
JAMES B. & CHRISTINE G.
MITCHELL TRUSTEE
BOOK 13950, PAGE 257

MAP 13, LOT 17
N/F
CENTRAL MAINE RAILROAD CO.
C/O SIFFORD TRANS INDUSTRIES
BOOK 2, PAGE 1406+00

MAP 13, LOT 56
N/F
CLAIR B. &
TRACY SYLVESTER III
BOOK 24150, PAGE 197

Scale of Feet
25 0 25 50

PLAN

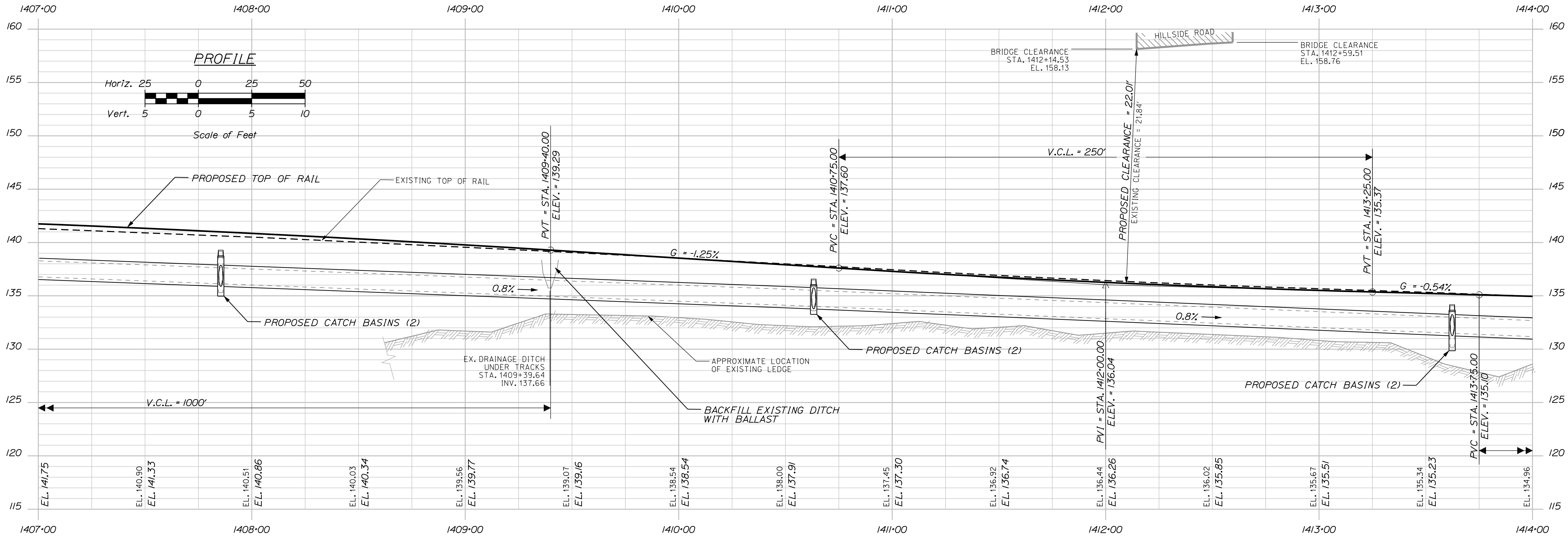
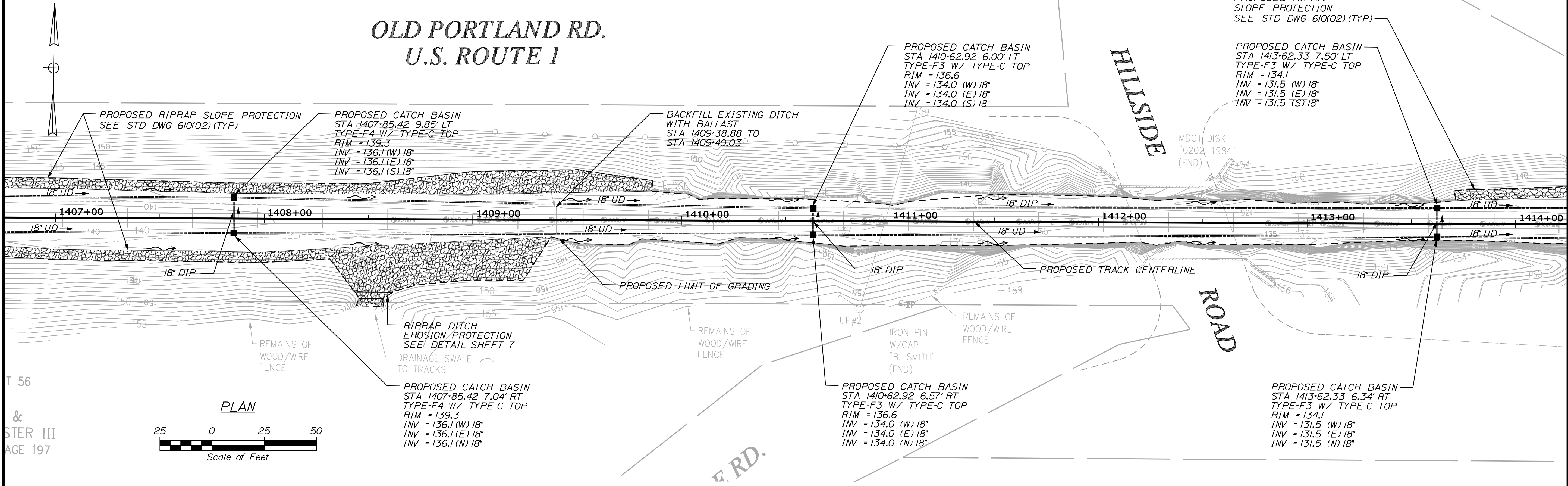


Date:8/24/2010

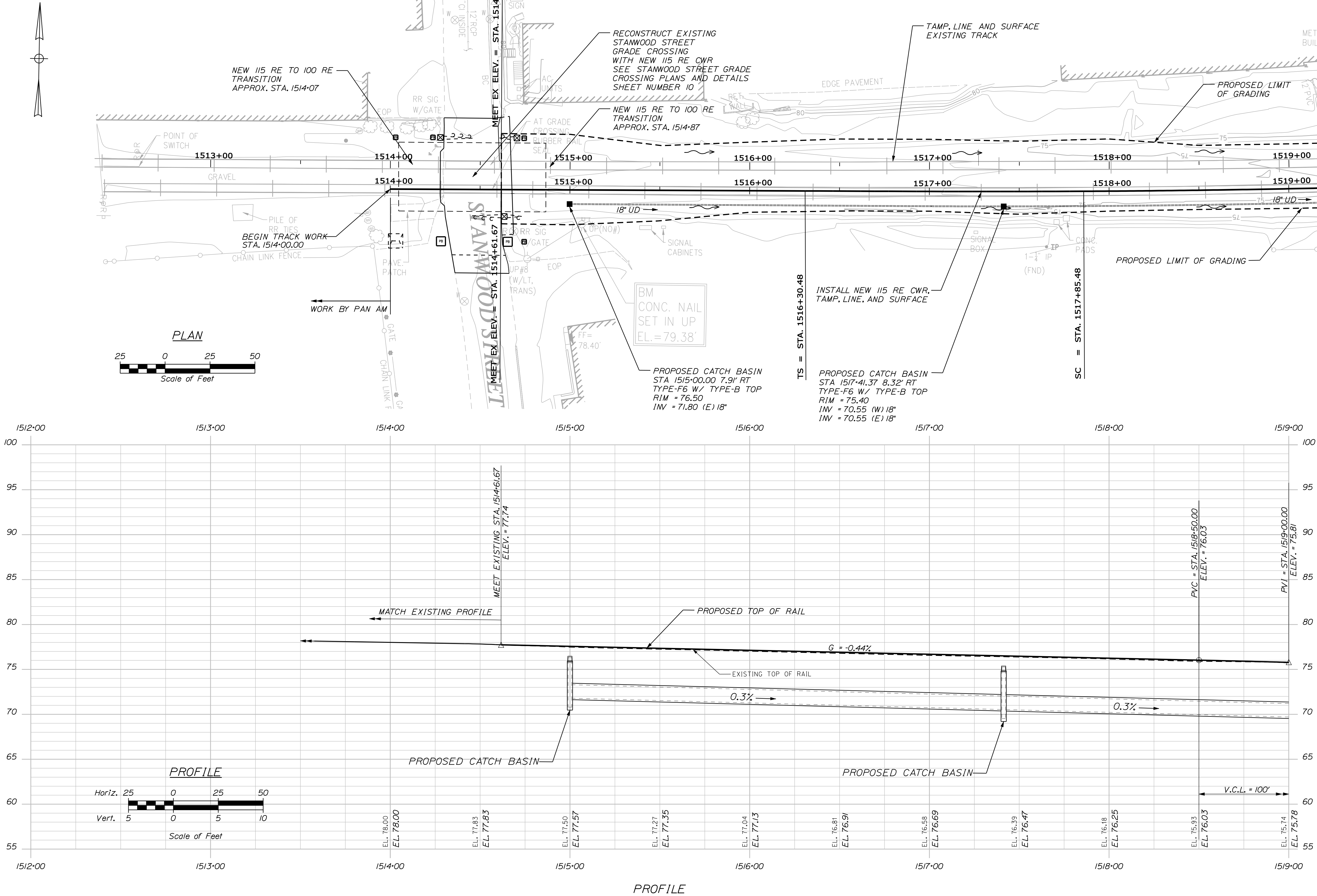
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OLD PORTLAND RD.
U.S. ROUTE 1



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
SIGNATURE		P.E. NUMBER		DATE	
DATE		BY		DATE	
R. Corey		J. Berry		08/24/10	
PROJ. MANAGER		CHECKED-REVIEWED		DESIGN-DETAILED	
M. Boonstra		M. Boonstra		M. Boonstra	
DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		REVISIONS 5		REVISIONS 6	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
Brunswick		DEEP CUT		PLAN & PROFILE	
SHEET NUMBER		17		OF 87	



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROFESSIONAL ENGINEER
TIMOTHY S. BRYANT
No. 1280
LICENSE

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER
R. Corey

CHECKED-REVIEWED
M. Boonstra

DESIGNED-DETAILED
J. Berdyk

REVISIONS
1
2
3
4

FIELD CHANGES

Brunswick

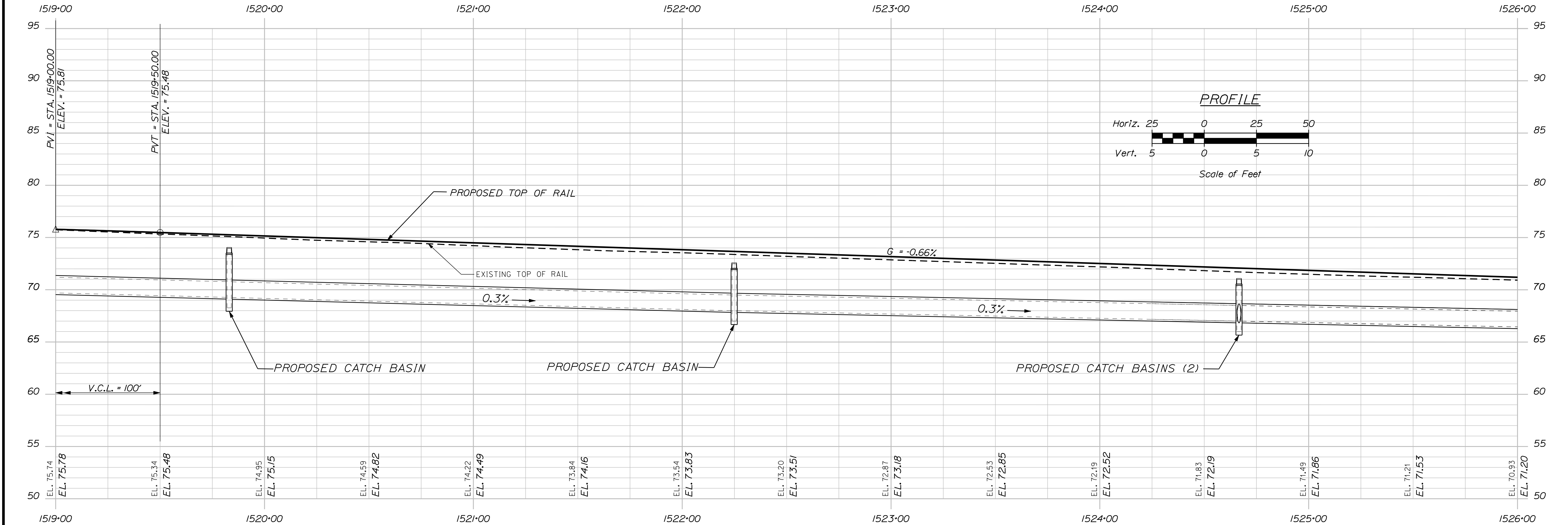
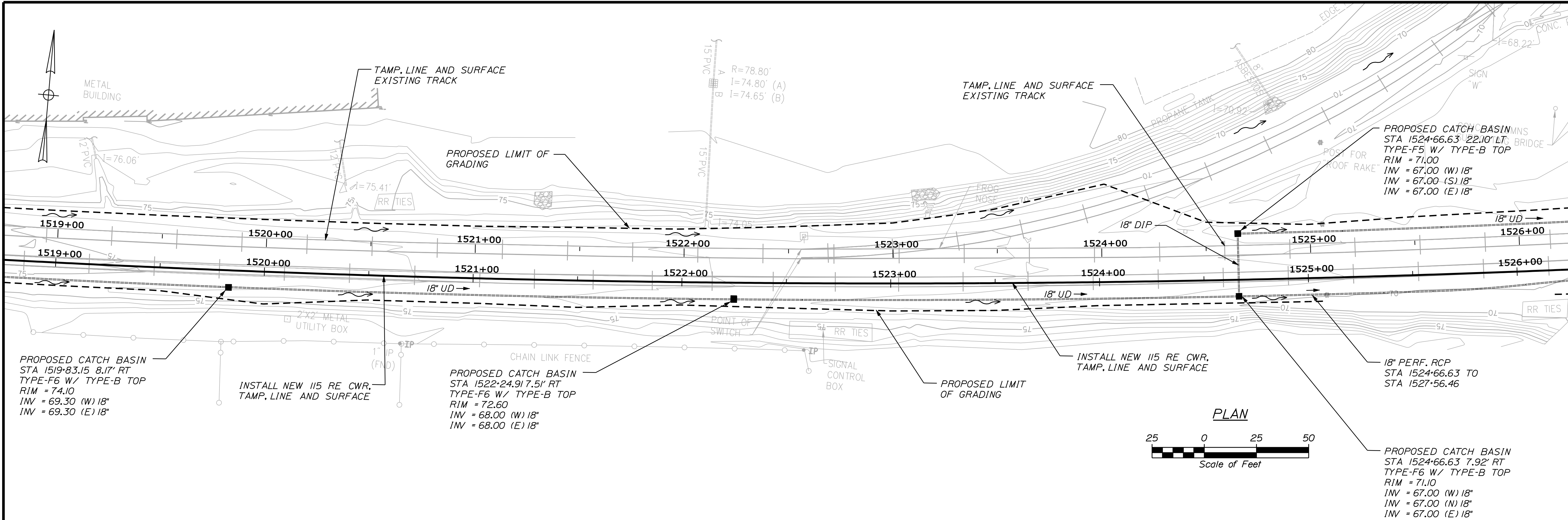
SHEET NUMBER
19
OF 87

B608# / 2010

User: nardmmon

Division: H6HWAY

... \HIGHWAY\Main\020_ST_P&P-2.dgn



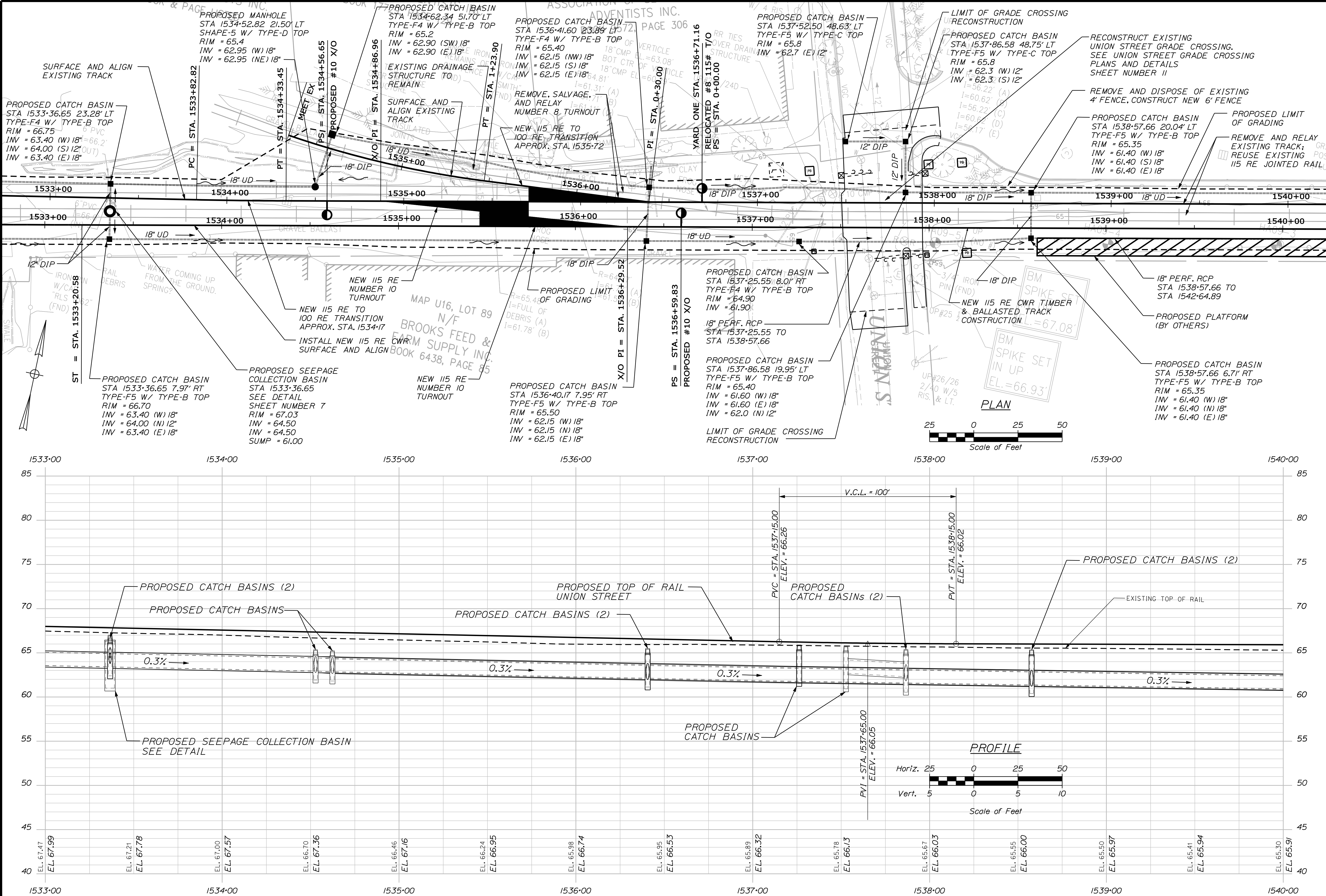
PROFILE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
SIGNATURE TIMOTHY S. BRYANT No. 12680 PROFESSIONAL ENGINEER		P.E. NUMBER		DATE	
PROJ. MANAGER R. Corey	DESIGN-DETAILED M. Boonsma	BY J. Bandyk	DATE 08/24/10		
DESIGN-DETAILED 02		DESIGN-DETAILED 03		REVISIONS 1	
REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES					
Brunswick		BRUNSWICK STATION PLAN & PROFILE			
SHEET NUMBER		20			
		OF 87			

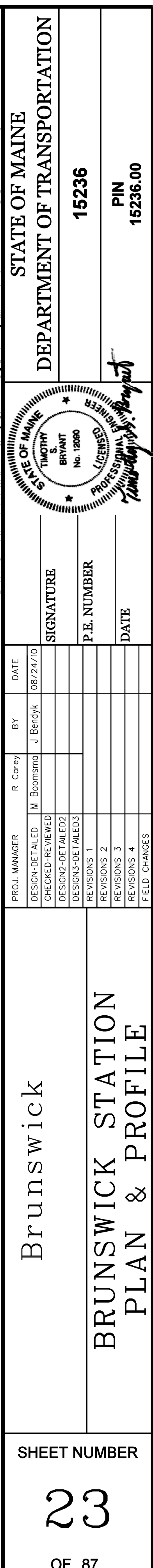
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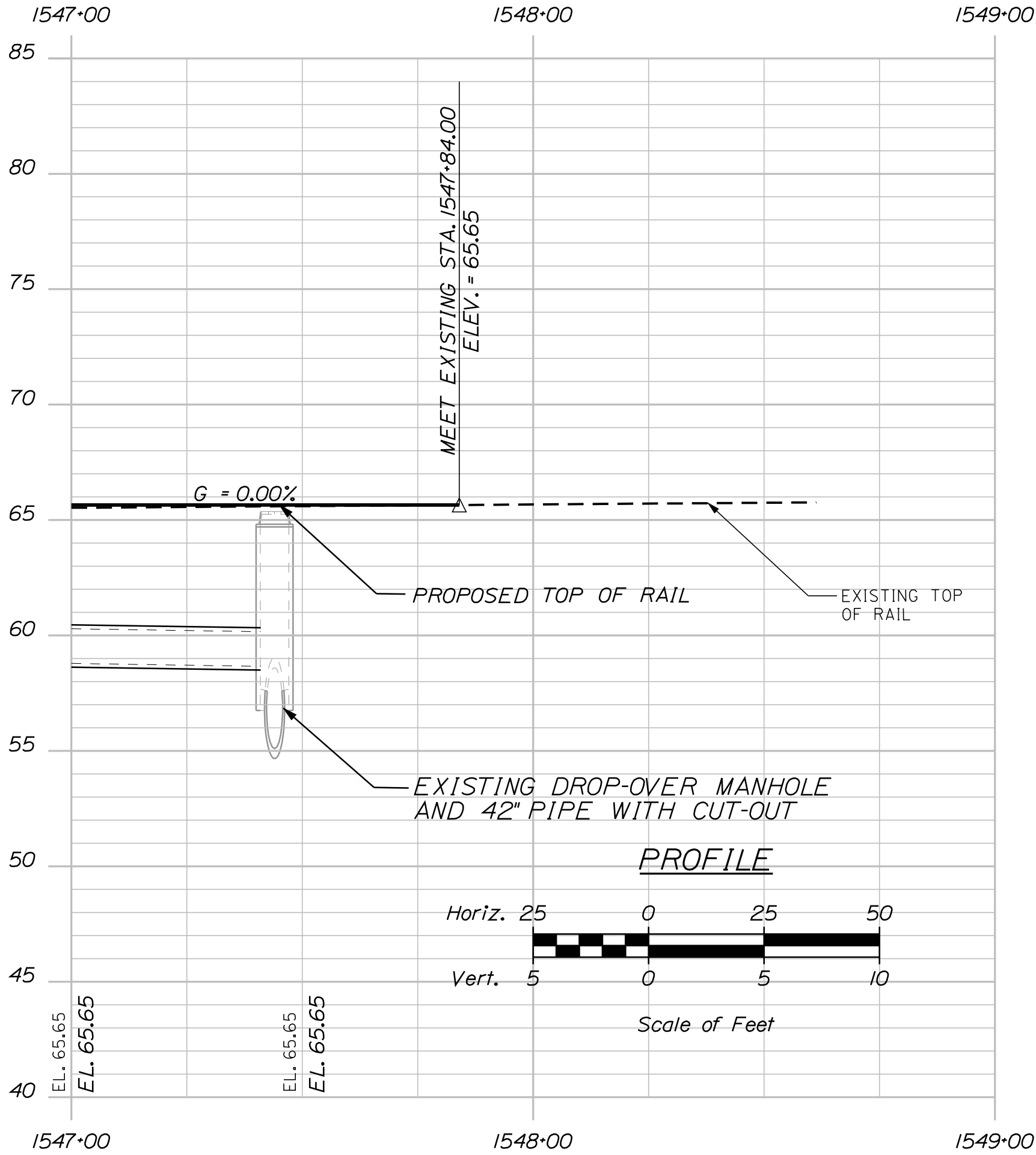
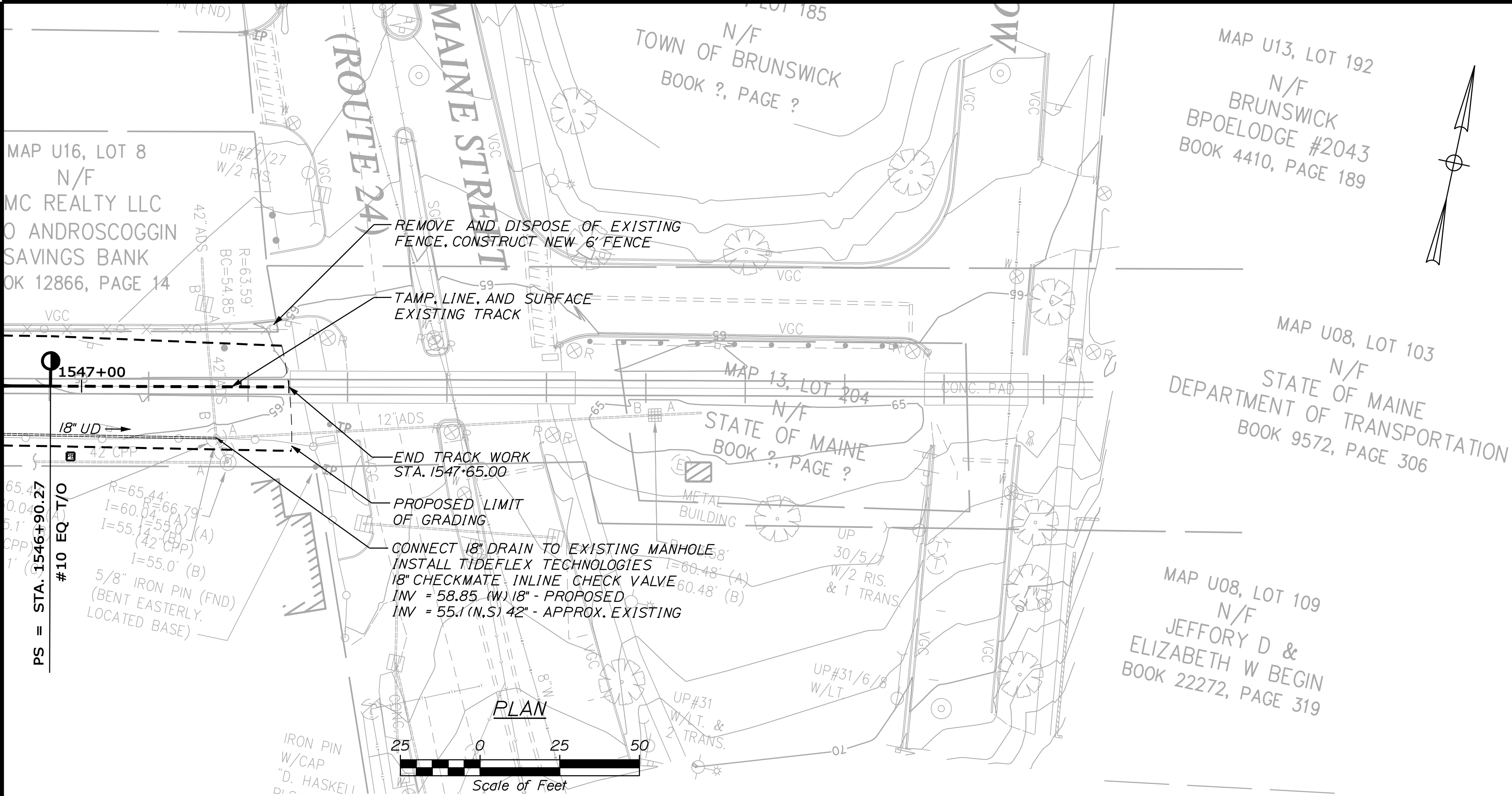
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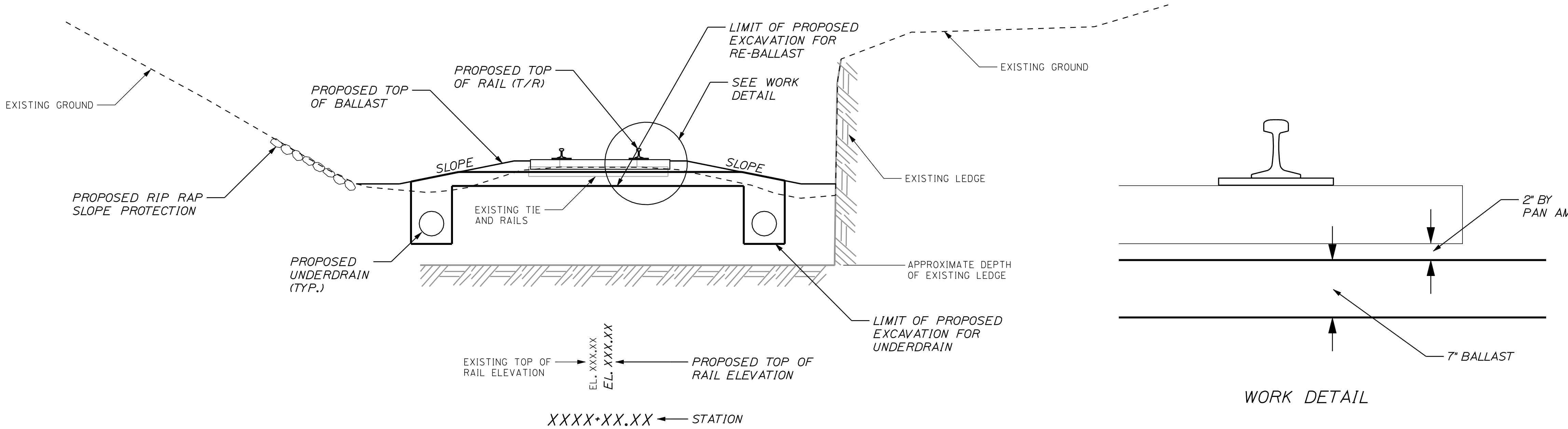
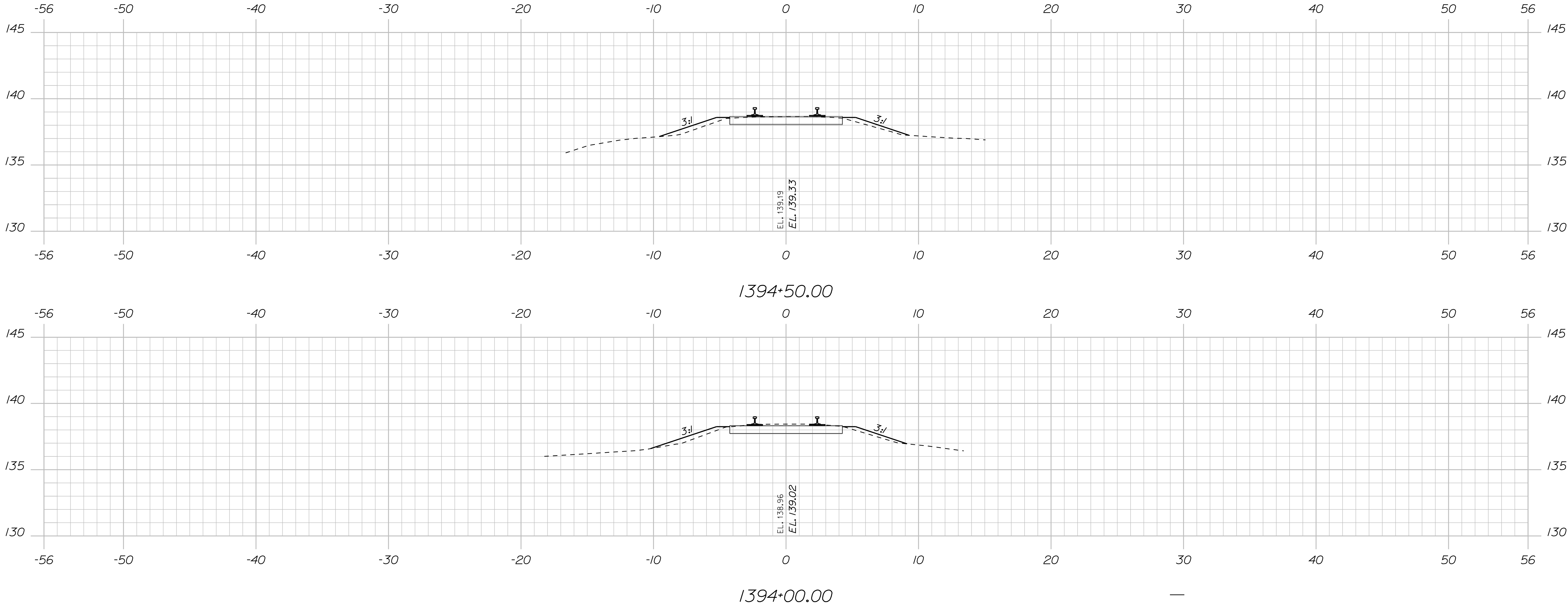
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
PROJ. MANAGER		BY		DATE		SIGNATURE	
DESIGN-DETAILED		R. Corey		08/24/10		TIMOTHY S. BRYANT	
CHECKED-REVIEWED		M. Boonstra				No. 1260	
DESIGN-DETAILED						P.E. NUMBER	
DESIGN-DETAILED						DATE	
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
Brunswick		BRUNSWICK STATION		PLAN & PROFILE		SHEET NUMBER	
						22	
						OF 87	



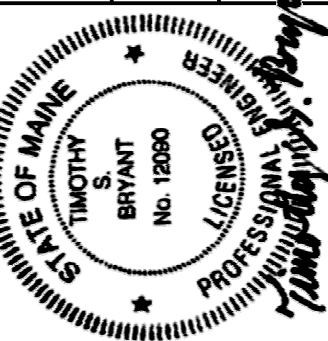


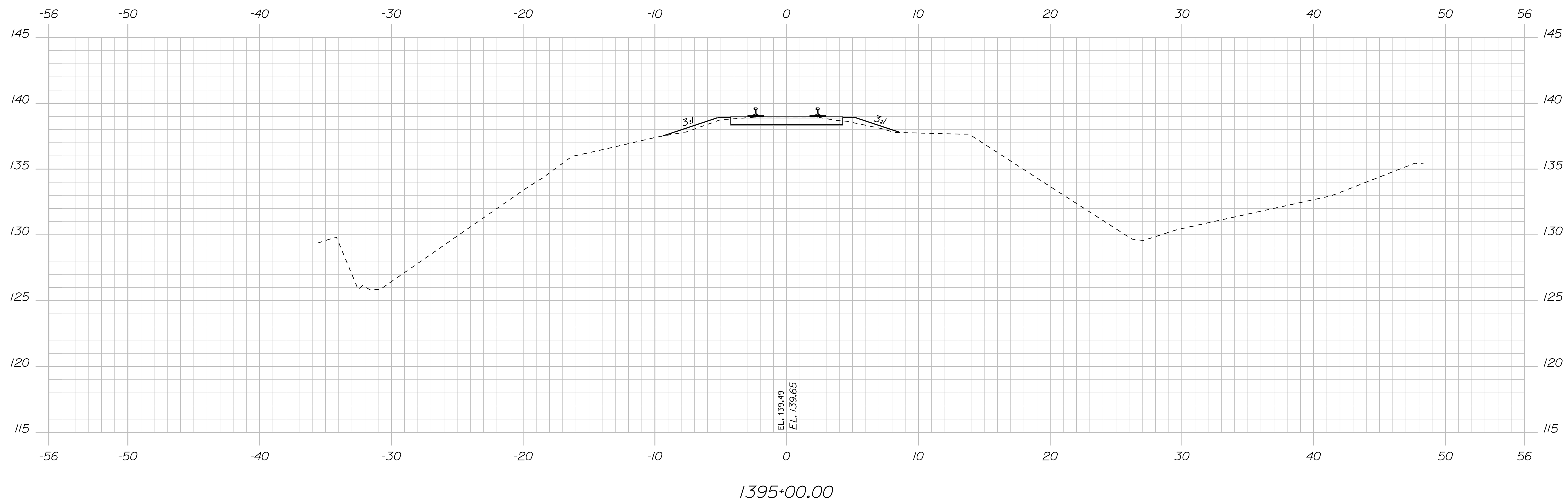
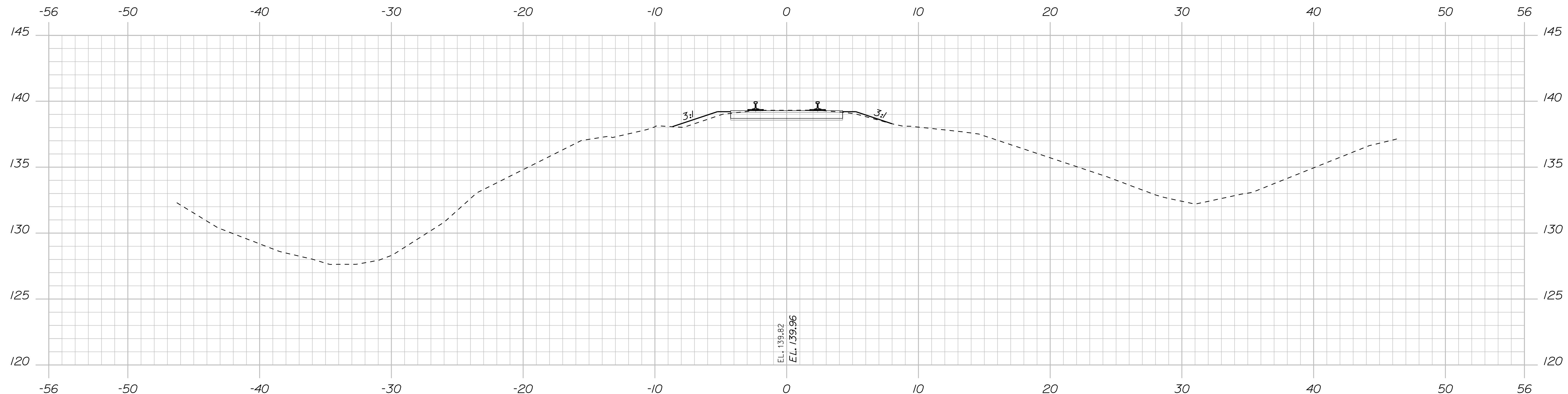
PROFILE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.02	
Brunswick		BRUNSWICK STATION PLAN & PROFILE		SHEET NUMBER 24 OF 87	
PROJ. MANAGER R. Corey		BY J. Bandyk		DATE 08/24/10	
DESIGN-DETAILED M. Boonstra		CHECKED-REVIEWED		SIGNATURE	
DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES		FIELD CHANGES			

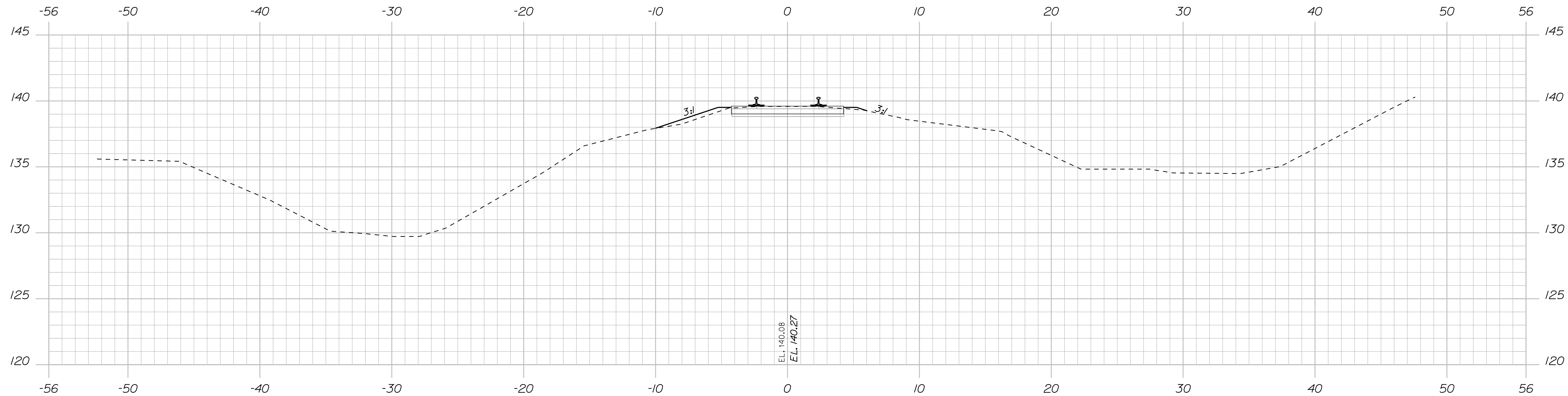


CROSS SECTION LEGEND
DEEP CUT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		P. Corbore			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		DEEP CUT CROSS SECTIONS			
SHEET NUMBER		25			
		OF 87			



SHEET NUMBER		26		OF 87	
Bruns wick		DEEP CUT CROSS SECTIONS		STATE OF MAINE DEPARTMENT OF TRANSPORTATION 15236 PIN 15236.00	
PROJ. MANAGER		R. Corry		DATE	
DESIGN-DETAILED		M. Boonsma		P. Carbone	
CHECKED-REVIEWED					
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
SIGNATURE		P.E. NUMBER		DATE	
STATE OF MAINE TRANSPORTATION BRYANT No. 12890 LICENSED		PROFESSIONAL ENGINEER 15236.00		15236.00	



1396+00.00

Sta. 1396+00.00 to Sta. 1396+50.00

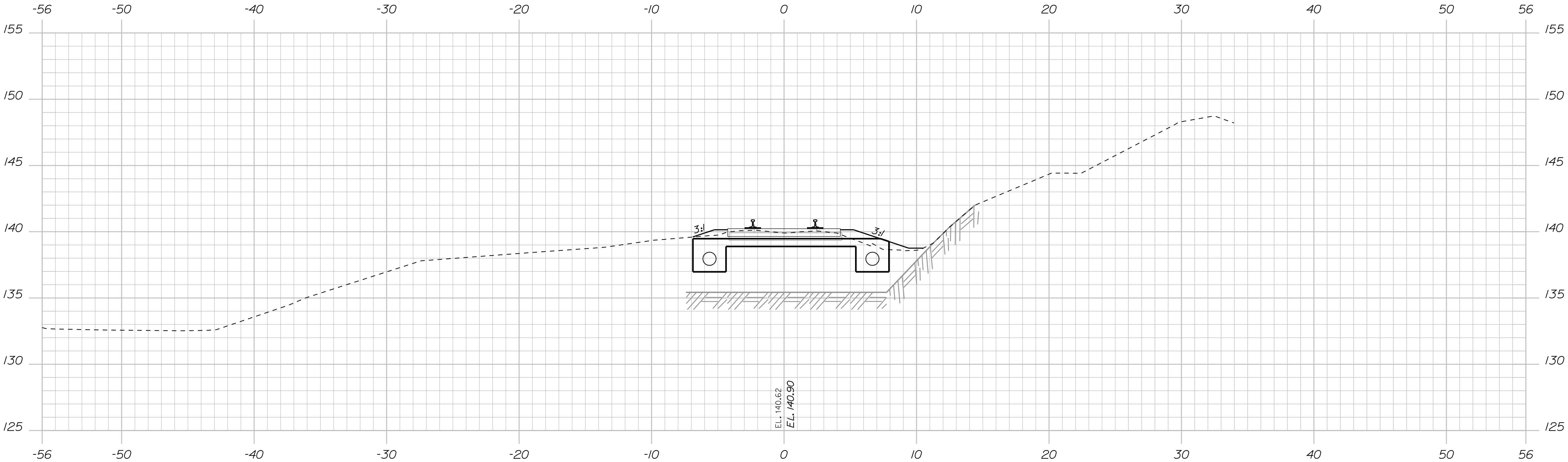
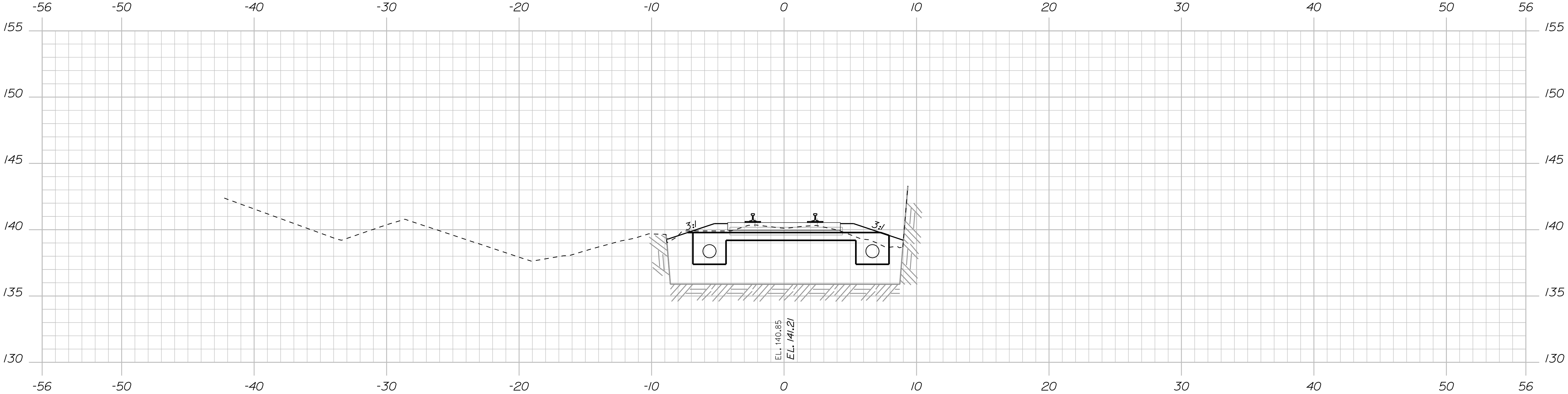
PROJ. MANAGER	M BOOTH	R C
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

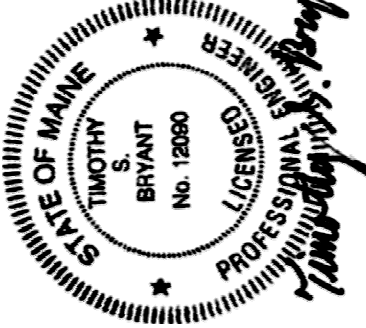
Brunswick
DEEP CUT
CROSS SECTION

SHEET NUMBER

27

OF 87



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		BY		DATE	
PROJ. MANAGER		R. Corey		DATE	
DESIGN-DETAILED		M. Boonstra		DATE	
CHECKED-REVIEWED		P. Corbore		DATE	
DESIGN-DETAILED				DATE	
REVISIONS 1				DATE	
REVISIONS 2				DATE	
REVISIONS 3				DATE	
REVISIONS 4				DATE	
FIELD CHANGES				DATE	

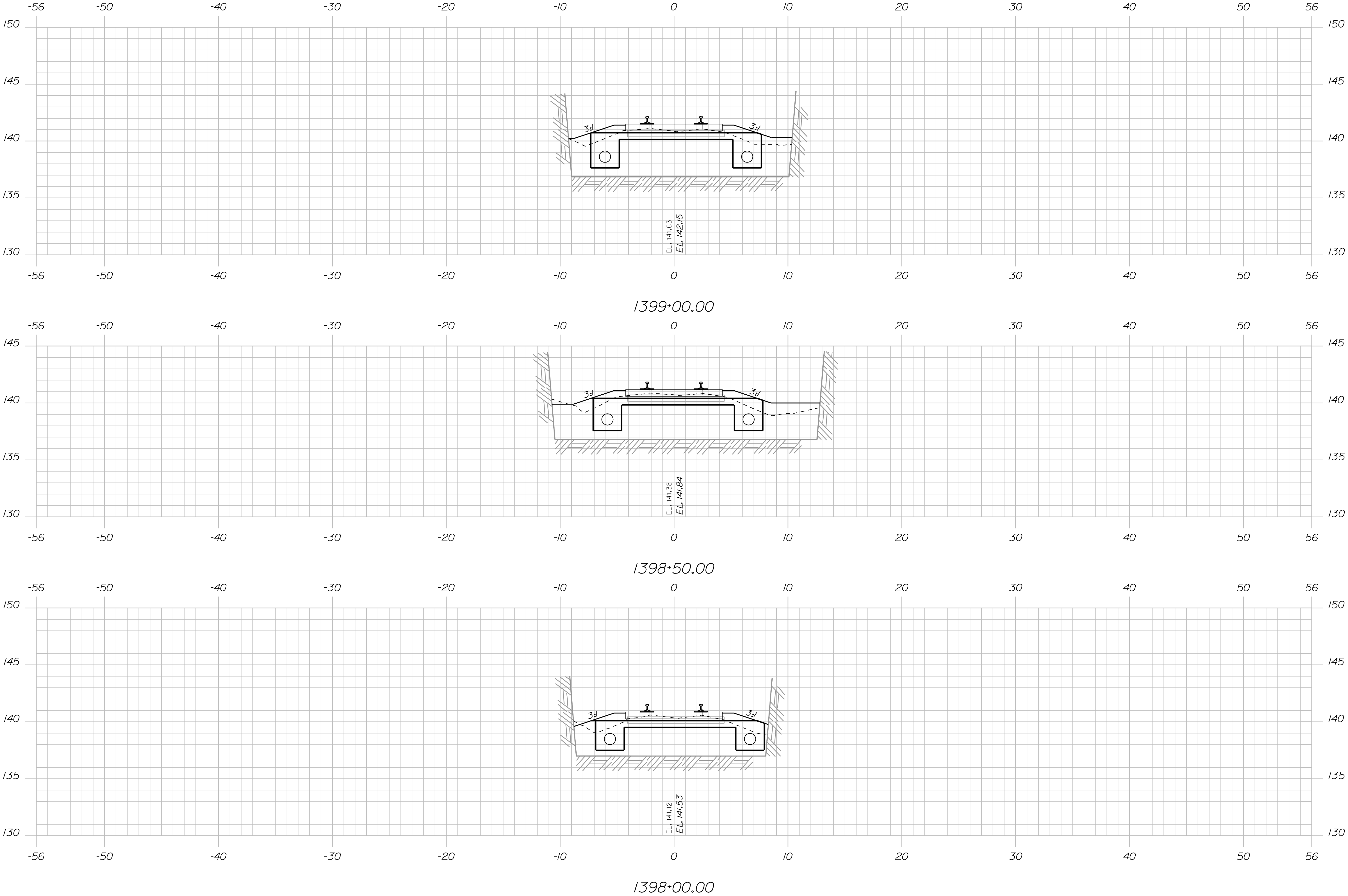
Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

28

OF 87



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		P. Corbore			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

29

OF 87



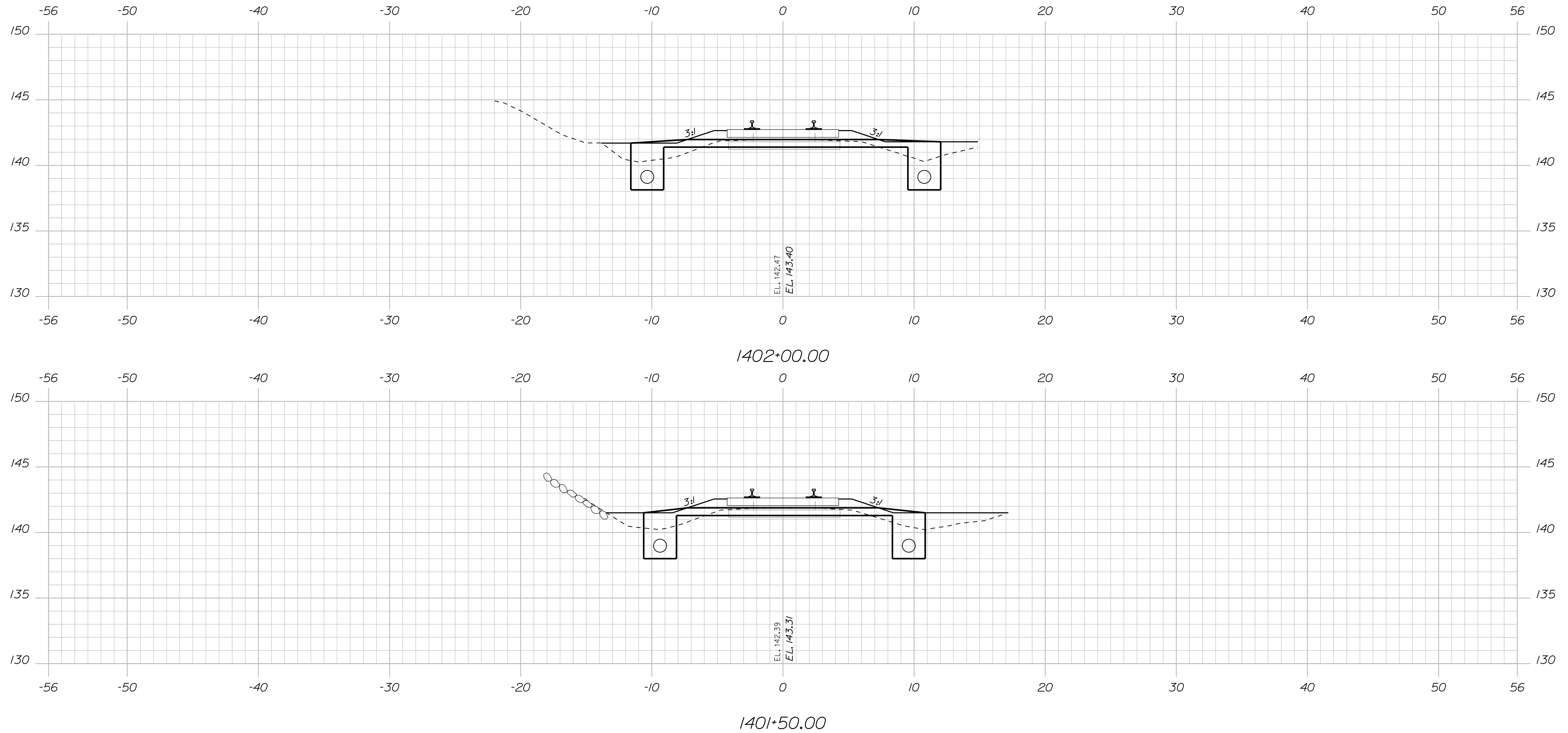
SHEET NUMBER

30

OF 87

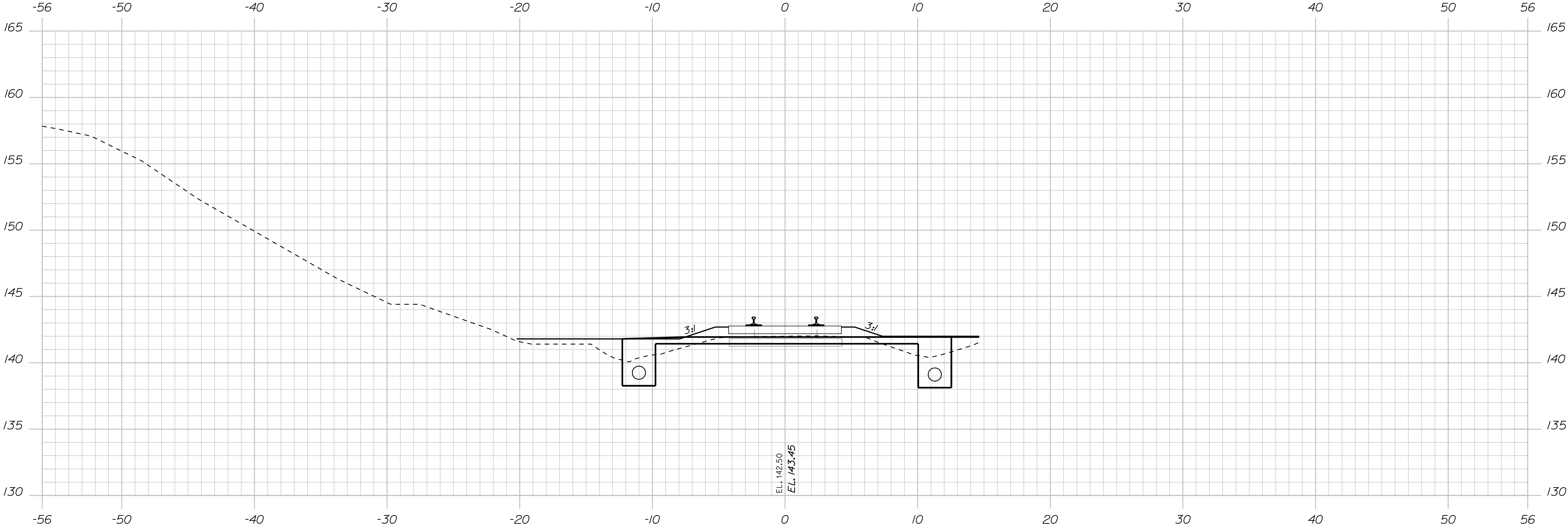


31
OF 87



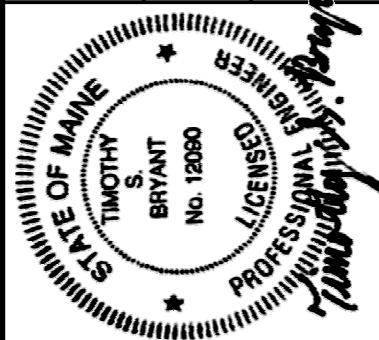
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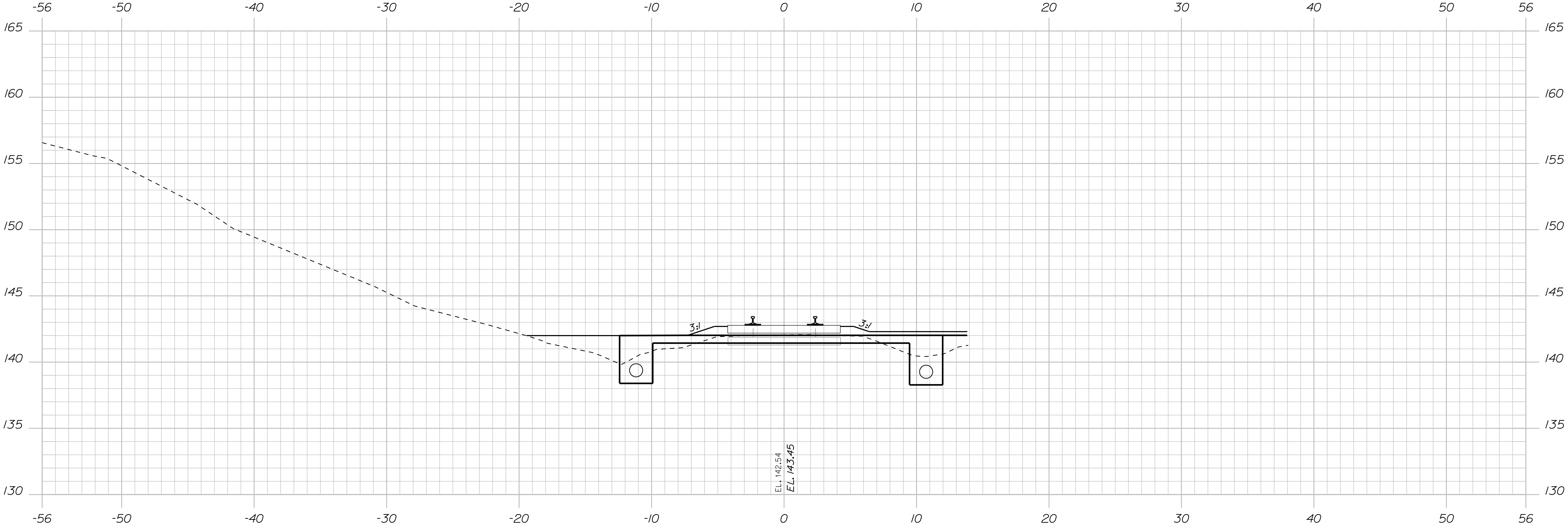
<div style="text-align: center;"> <h1>Brunswick</h1> <hr/> <h2>DEEP CUT CROSS SECTIONS</h2> </div>	SHEET NUMBER		32		OF 87	
	PROJ. MANAGER		R. Currey	BY		
	DESIGN-DETAILED		M. Boonstma	P. Corbone	08/24/10	
	CHECKED-REVIEWED					
	DESIGN2-DETAILED2					
	DESIGN3-DETAILED3					
REVISONS 1						
REVISONS 2						
REVISONS 3						
REVISONS 4						
FIELD CHANGES						
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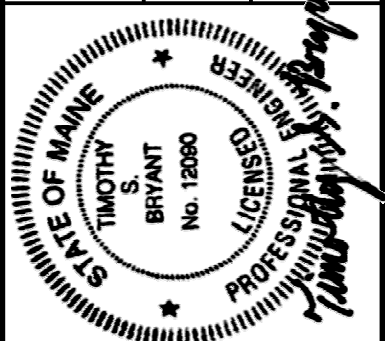



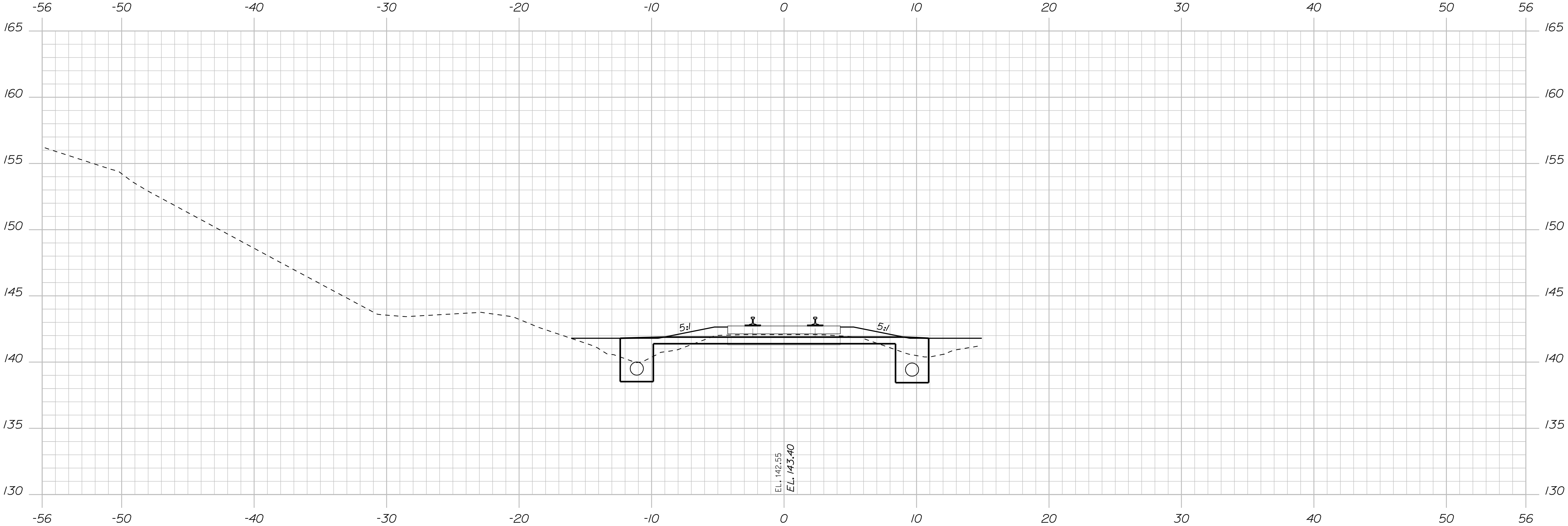
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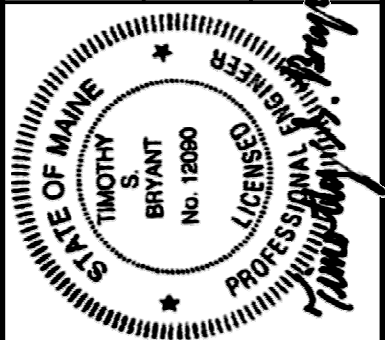

Sta. 1402+50.00 to Sta. 1402+50.00

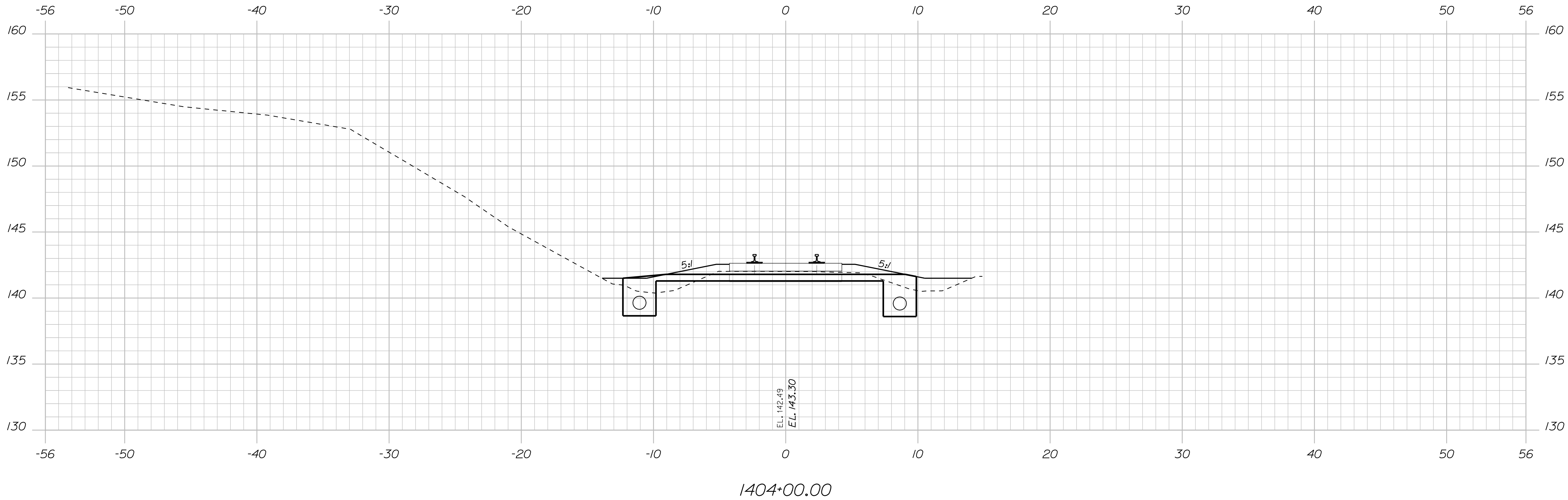
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE	DATE
		P.E. NUMBER	DATE
15236		PIN	15236.00
Brunswick		SHEET NUMBER	
DEEP CUT CROSS SECTIONS		33	
		OF 87	



STATE OF MAINE DEPARTMENT OF TRANSPORTATION				SIGNATURE	DATE
15236		P.E. NUMBER		DATE	
PIN 15236.00				DATE	
Brunswick DEEP CUT CROSS SECTIONS		SHEET NUMBER 34 OF 87		PROJ. MANAGER	R. Corey
				CHECKED-REVIEWED	M. Boonstra
				DESIGN-DETAILED	P. Corbore
				REVISIONS 1	
				REVISIONS 2	
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

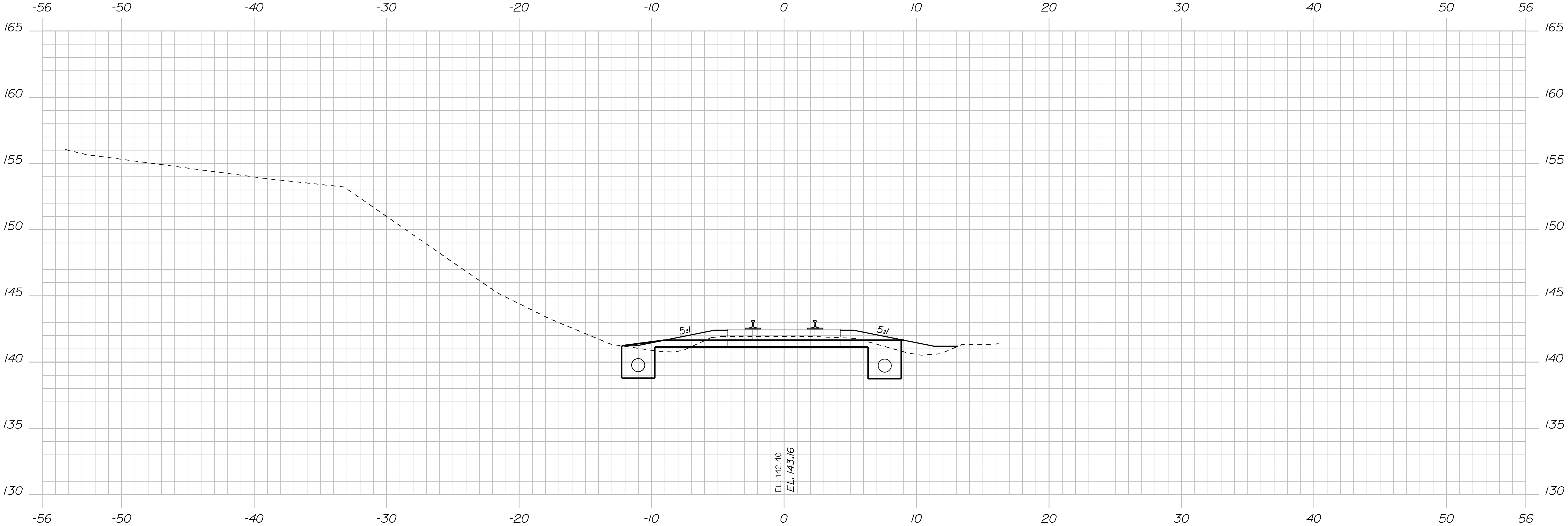


STATE OF MAINE DEPARTMENT OF TRANSPORTATION				SIGNATURE	DATE	
15236		P.E. NUMBER		DATE		
PIN 15236.00				DATE		
Brunswick		PROJ. MANAGER		R. Corey	BY	DATE
DEEP CUT CROSS SECTIONS		DESIGN-DETAILED		M. Boonstra	P. Corbore	08/24/10
		CHECKED-REVIEWED				
		DESIGN-DETAILED				
		REVISIONS 1				
		REVISIONS 2				
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						
SHEET NUMBER		35				
OF 87						



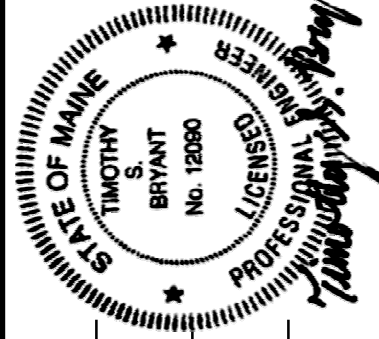
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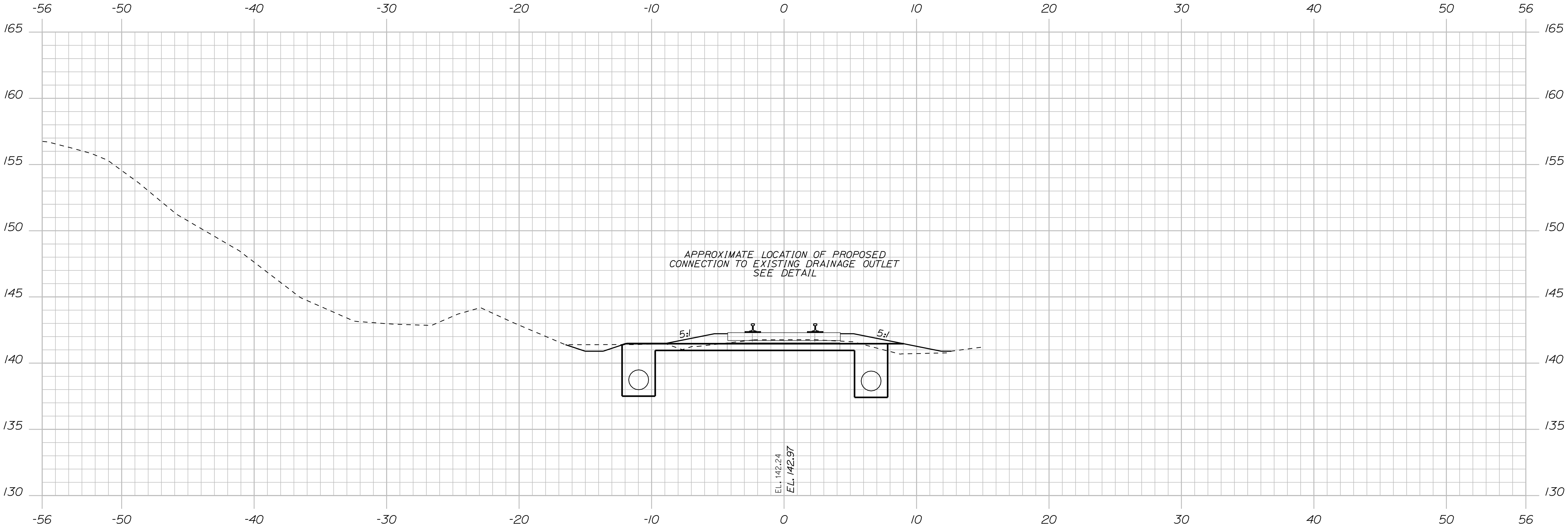
<div> <div> <div>SHEET NUMBER</div> <div>36</div> <div>OF 87</div> </div> <div> <div>Brunswick</div> <div>DEEP CUT CROSS SECTIONS</div> </div> </div>	<div> <div>PROJ. MANAGER</div> <div> <div>R. Corey</div> <div>M. Boonsma</div> </div> </div>		<div> <div>DATE</div> <div>08/24/10</div> </div>	<div> <div>STATE OF MAINE</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div>
	<div> <div>CHECKED-DETAILED</div> <div>CHECKED-REVIEWED</div> <div>DESIGN2-DETAILED2</div> <div>DESIGN3-DETAILED3</div> <div>REVISIONS 1</div> <div>REVISIONS 2</div> <div>REVISIONS 3</div> <div>REVISIONS 4</div> <div>FIELD CHANGES</div> </div>		<div> <div>SIGNATURE</div> <div>P.E. NUMBER</div> <div>DATE</div> </div>	
<div> <div> <div> <div>STATE OF MAINE</div> <div>TIMOTHY BRYANT</div> <div>No. 12890</div> </div> <div>REGISTERED PROFESSIONAL ENGINEER</div> </div> <div> <div> <div>15236</div> <div>PIN</div> <div>15236.00</div> </div> <div> <div> <div>15236</div> <div>PIN</div> <div>15236.00</div> </div> </div> </div> </div>				



1404+50.00

Sta. 1404+50.00 to Sta. 1404+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		PROJ. MANAGER	R. Corey	BY	DATE
		CHECKED-REVIEWED	M. Boonstra	P. Corbore	08/24/10
SHEET NUMBER 37 OF 87	Brunswick DEEP CUT CROSS SECTIONS	DESIGN-DETAILED			
		DESIGN-REVIEWED			
		DESIGN-DETAILED			
		DESIGN-REVIEWED			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
		SIGNATURE			
		P.E. NUMBER	15236		
		DATE	PIN 15236.00		



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE		PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	R. Corey	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION 15236	
15236		P.E. NUMBER		DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	M. Boonstra	P. Corbore	08/24/10	15236.00	
PIN		DATE		REVISIONS 1	REVISIONS 2	REVISIONS 3				15236.00	
15236.00				REVISIONS 4	REVISIONS 5	REVISIONS 6				15236.00	
15236.00				FIELD CHANGES	FIELD CHANGES	FIELD CHANGES				15236.00	

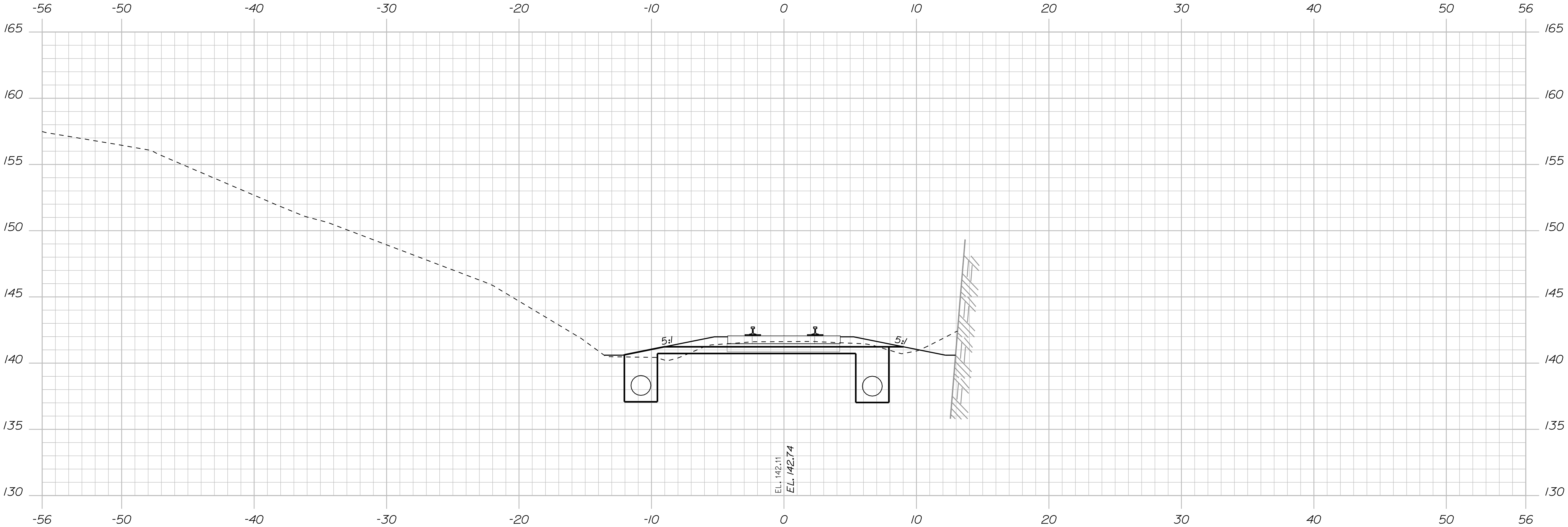
Brunswick

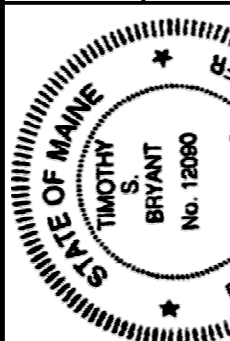
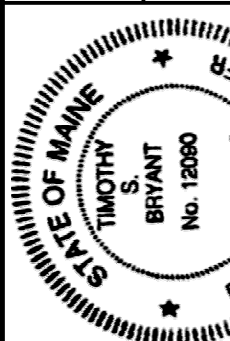
DEEP CUT
CROSS SECTIONS

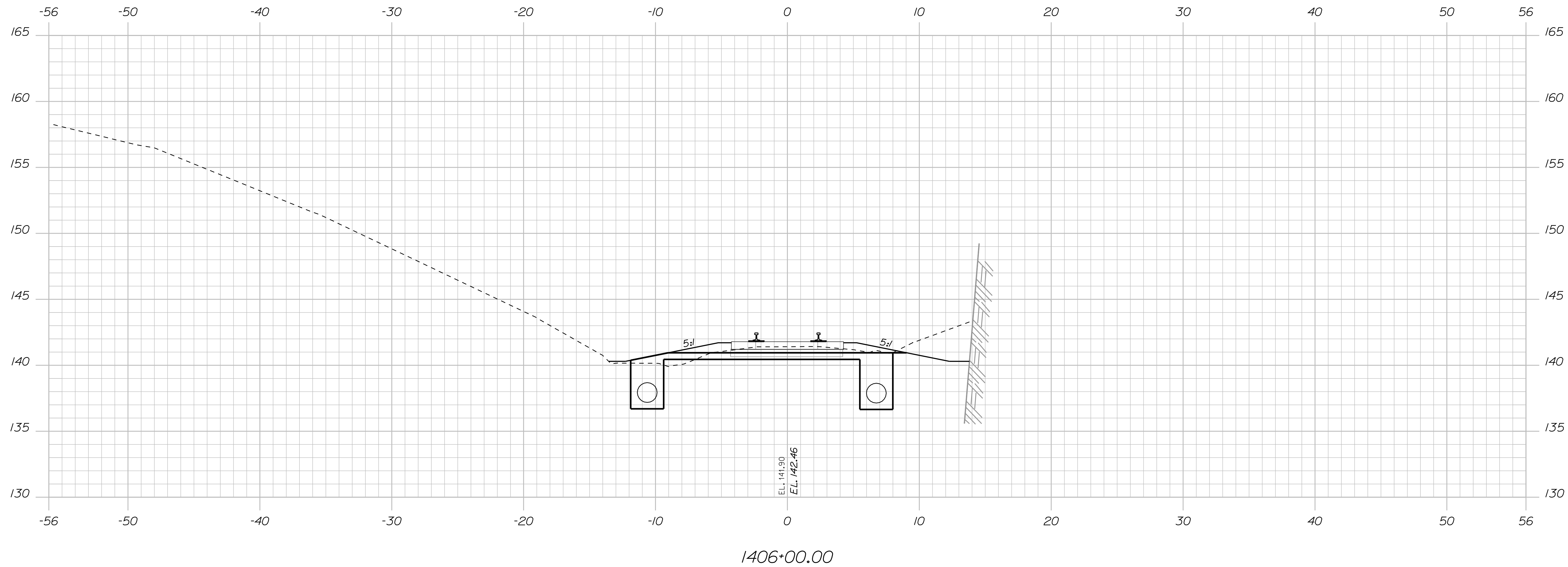
SHEET NUMBER

38

OF 87

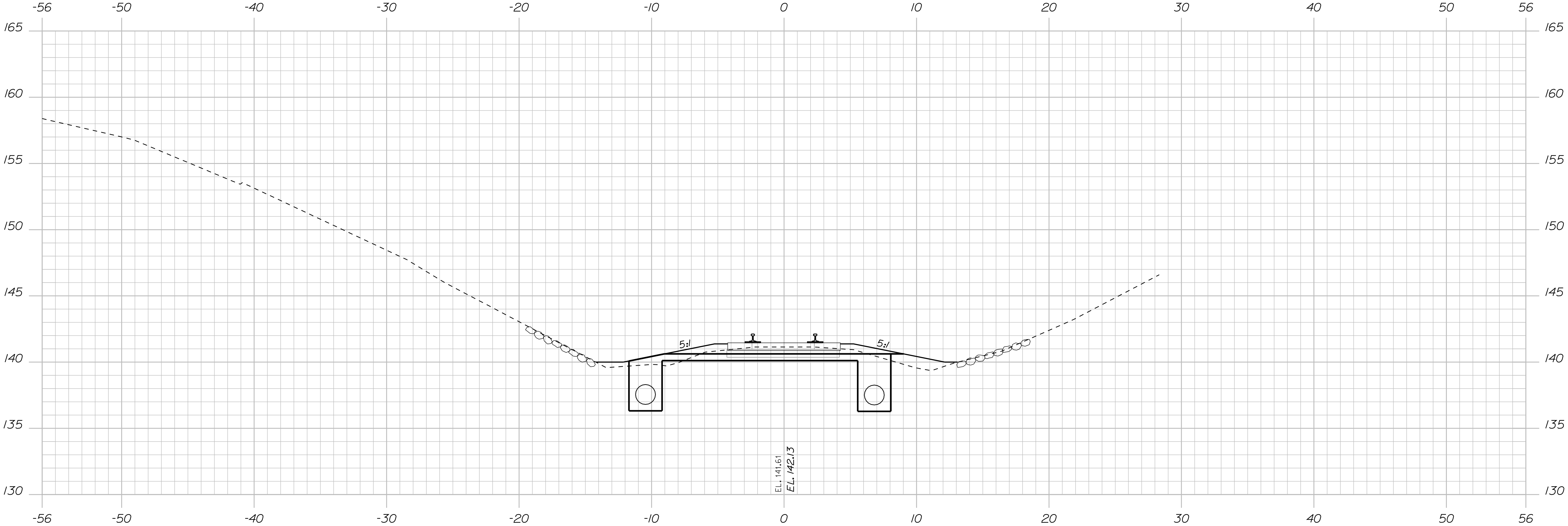


STATE OF MAINE DEPARTMENT OF TRANSPORTATION			SIGNATURE	BY	DATE
			P. E. NUMBER		
STATE OF MAINE DEPARTMENT OF TRANSPORTATION			DATE		
			FIELD CHANGES		
Brunswick		SHEET NUMBER			
DEEP CUT		39			
CROSS SECTIONS		OF 87			

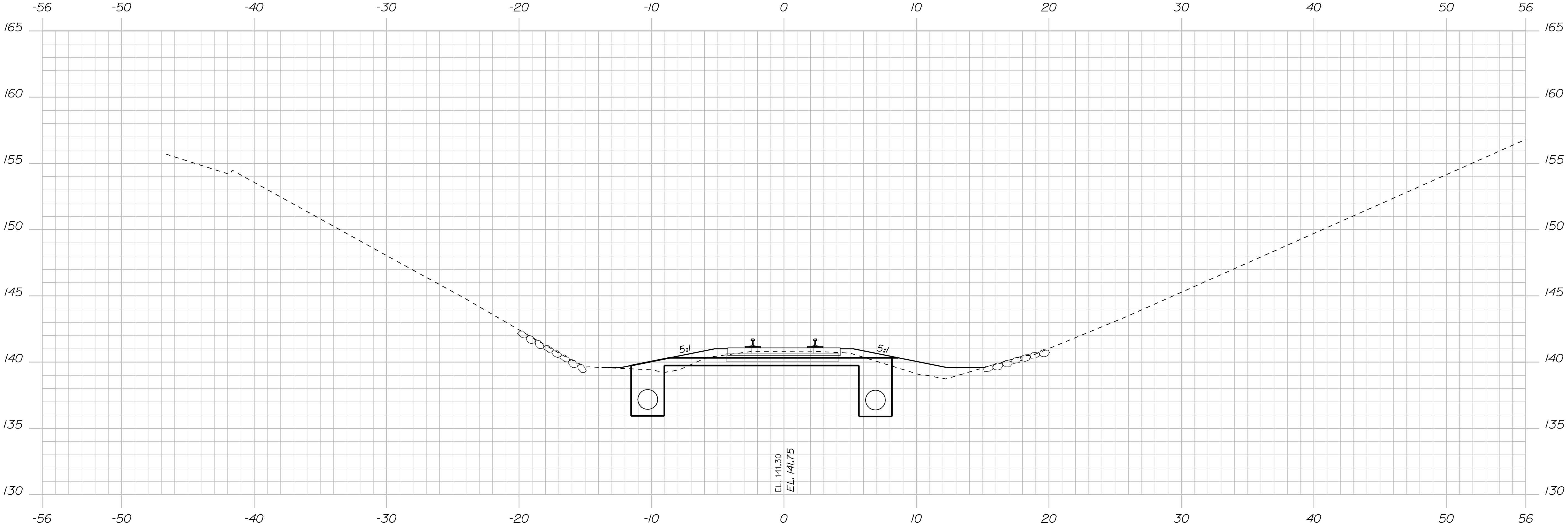


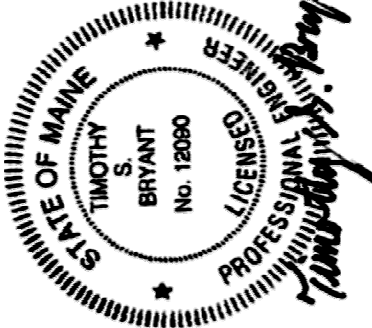

Sta. 1406+00.00 to Sta. 1406+00.00

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	40			
	OF 87			
	PROJ. MANAGER	R. Corey	BY	DATE
	DESIGN-DETAILED	M. Boonins	P. Carbone	08/24/10
	CHECKED-REVIEWED			
DESIGN2-DETAILED02				
DESIGN3-DETAILED03				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
				STATE OF MAINE DEPARTMENT OF TRANSPORTATION
				15236 PIN 15236.00



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE P. E. NUMBER DATE		PROJ. MANAGER CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		R. Corey M. Boonstra P. Corbore		BY DATE 08/24/10	
						DATE			
Brunswick DEEP CUT CROSS SECTIONS		SHEET NUMBER 41 OF 87		Professional Engineer Timothy S. Bryant No. 12880		15236		PIN 15236.00	



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE	BY	R. Corey	PROJ. MANAGER
		08/24/10	P. Corbore	M. Boonstra	CHECKED-REVIEWED
15236		SIGNATURE			DESIGN-DETAILED
		P.E. NUMBER			DESIGN-DETAILED
PIN 15236.00		DATE			REVISIONS 1
					REVISIONS 2
					REVISIONS 3
					REVISIONS 4
					FIELD CHANGES

Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

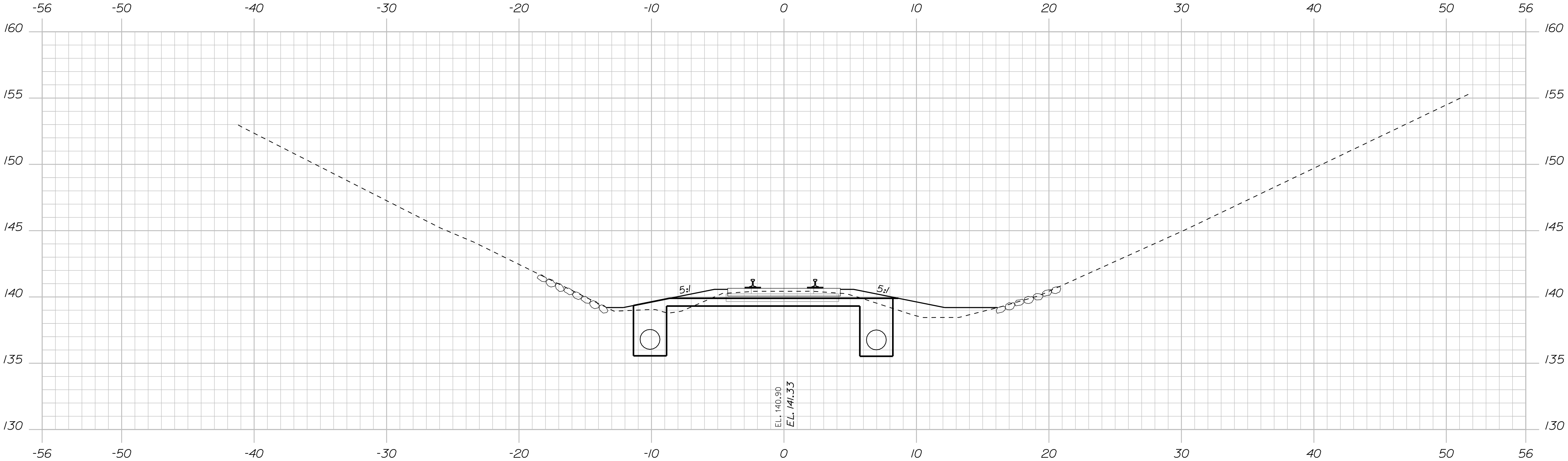
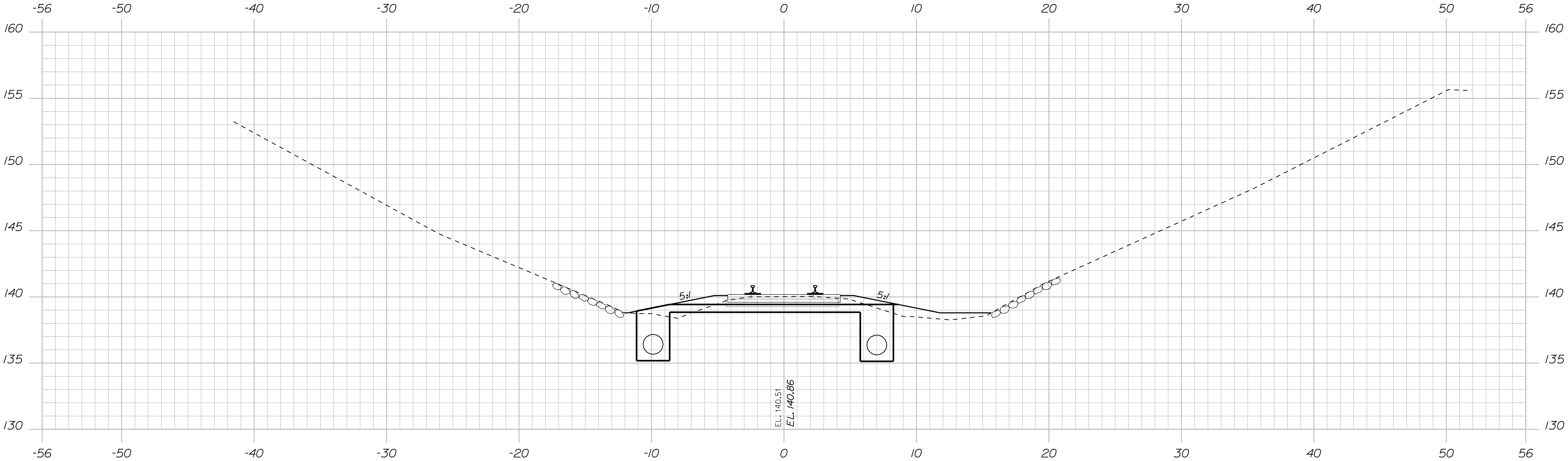
42

OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTAO43_XSECT_1407+50_019.dgn Division: HIGHWAY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

PROFESSIONAL ENGINEER
TIMOTHY S. BRYANT
No. 12960

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER
R. Corey

CHECKED-REVIEWED
M. Boonstra

DESIGN-DETAILED
P. Corbore

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE
08/24/10

BY
P. Corbore

SIGNATURE

P.E. NUMBER

DATE

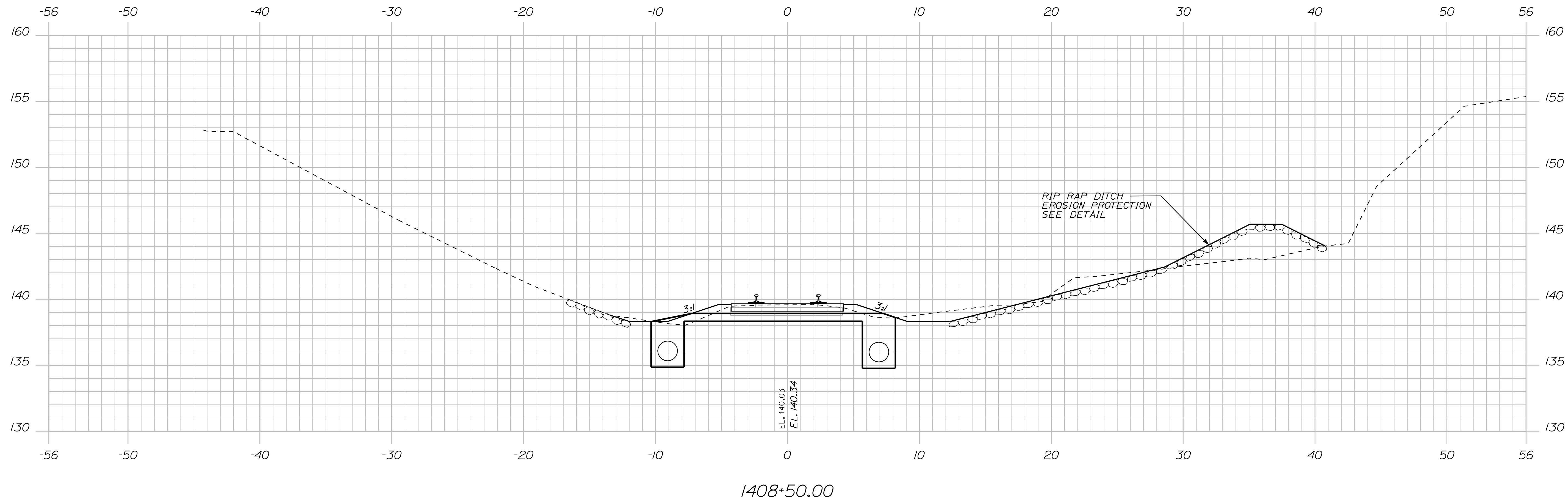
Brunswick


DEEP CUT
CROSS SECTIONS

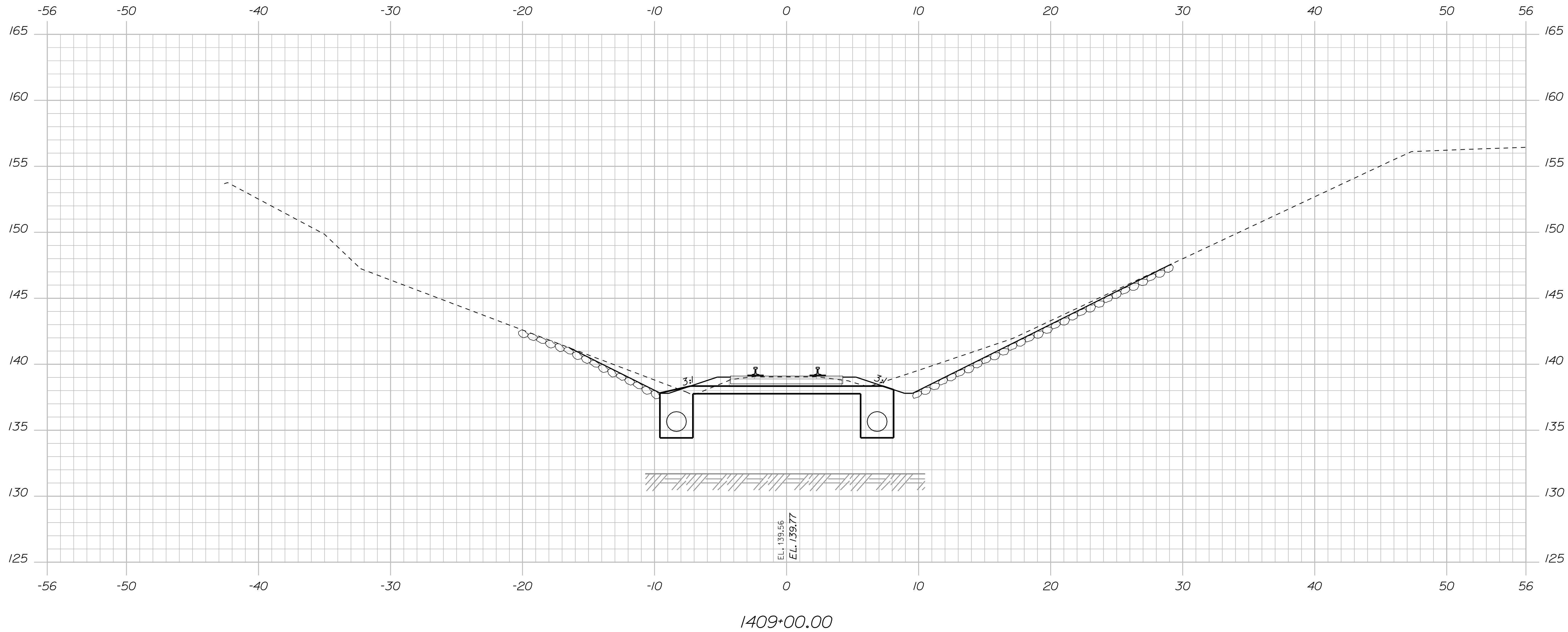
SHEET NUMBER

43

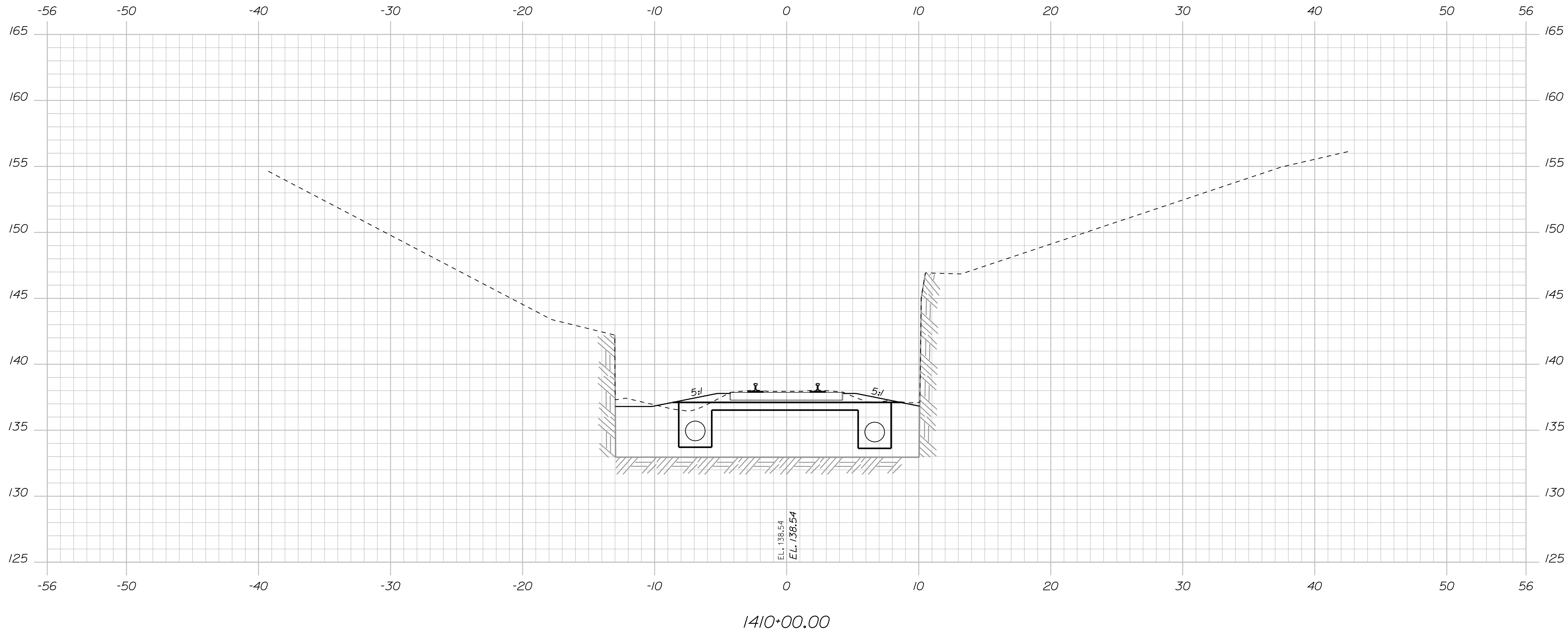
OF 87



44	SHEET NUMBER	Bruns wick	DEEP CUT CROSS SECTIONS	PROJ. MANAGER	R. Corey	BY	DATE
				DESIGN-DETAILED	M. Boomsma	P. Carbone	08/24/10
				CHECKED-REVIEWED			
				DESIGN2-DETAILED2			
				DESIGN3-DETAILED3			
				REVISIONS 1			
				REVISIONS 2			
				REVISIONS 3			
				REVISIONS 4			
				FIELD CHANGES			
							
				STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
				15236			
				PIN 15236.00			

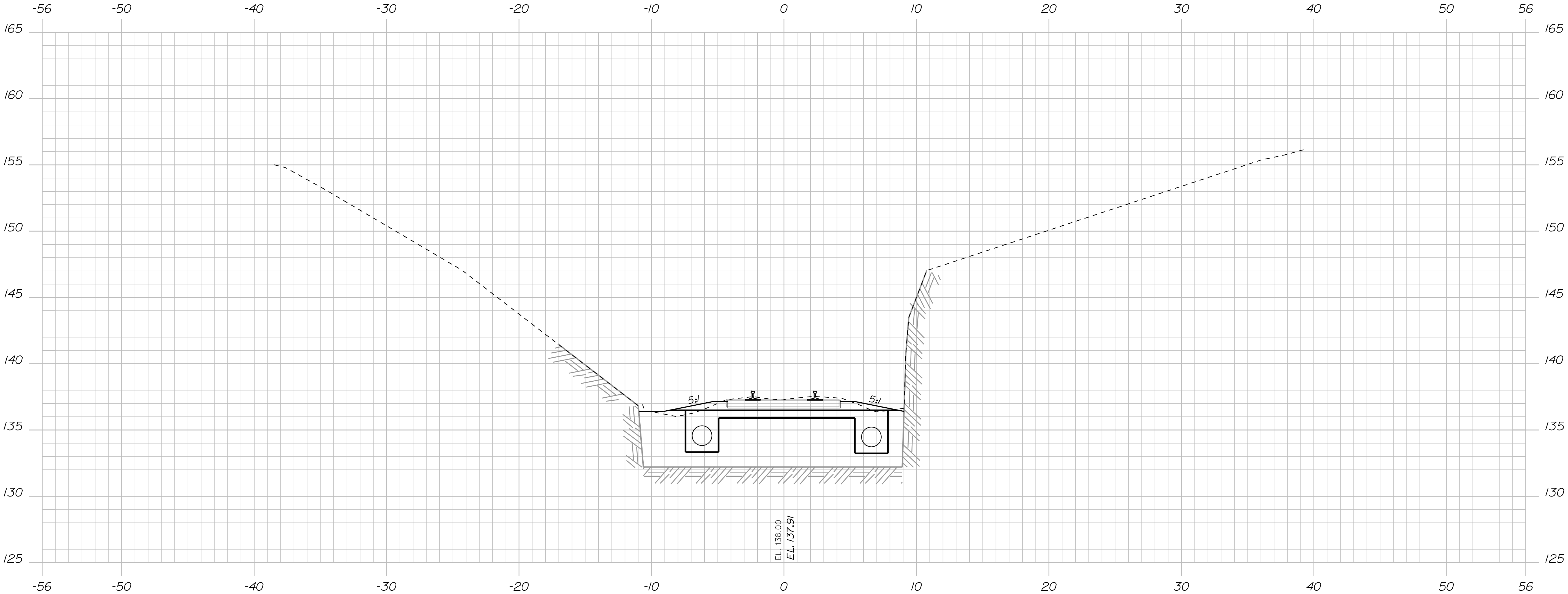


<div> <div>Brunswick</div> <div>DEEP CUT CROSS SECTIONS</div> </div>	SHEET NUMBER			45			OF 87				
	<div> <div>PROJ. MANAGER</div> <div>DESIGN-DETAILED</div> <div>CHECKED-REVIEWED</div> <div>DESIGN2-DETAILED2</div> <div>DESIGN3-DETAILED3</div> <div>REVISIONS 1</div> <div>REVISIONS 2</div> <div>REVISIONS 3</div> <div>REVISIONS 4</div> <div>FIELD CHANGES</div> </div>			<div> <div>R. Corey</div> <div>M. Boonstom</div> <div>P. Carbone</div> </div>			<div> <div>DATE</div> <div>08/24/10</div> </div>			<div> <div>STATE OF MAINE</div> <div>DEPARTMENT OF TRANSPORTATION</div> <div>15236</div> <div>PIN 15236.00</div> </div>	



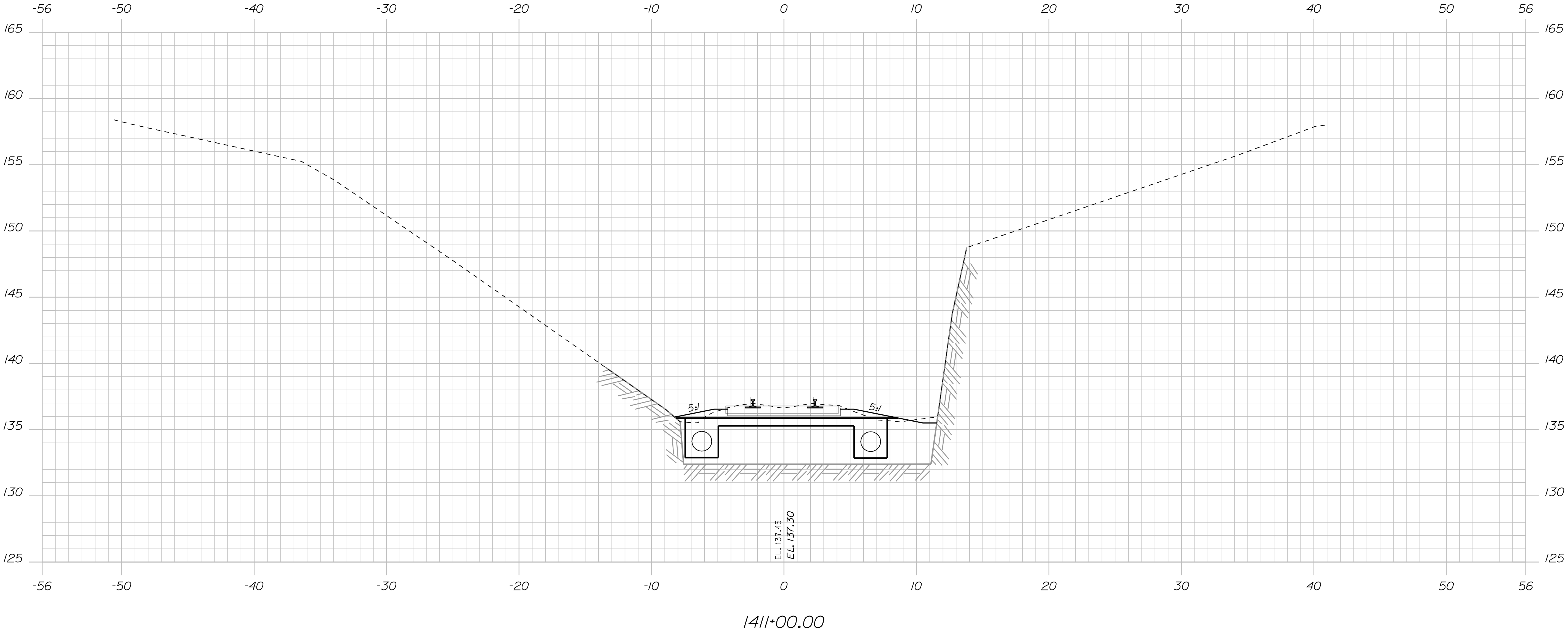
Sta. 1410+00.00 to Sta. 1410+00.00

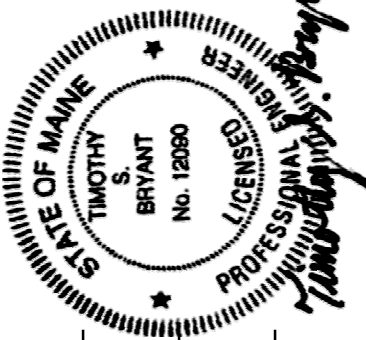

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	PROJ. MANAGER		R. Carey	BY	DATE	
	CHECKED-DETILED	M. Boonsma	P. Corlone	05/24/10		
	CHECKED-REVIEWED					
	SIGNA2-DETAILED2			SIGNATURE		
	SIGNA3-DETAILED3			P.E. NUMBER		
REVISONS 1				DATE		
REVISONS 2						
REVISONS 3						
REVISONS 4						
FIELD CHANGES						
<div style="text-align: center;"> <p>TIMOTHY S. BRYANT No. 19260 PROFESSIONAL ENGINEER STATE OF MAINE</p> </div>				STATE OF MAINE		
				DEPARTMENT OF TRANSPORTATION		
				15236		
				PIN 15236.00		

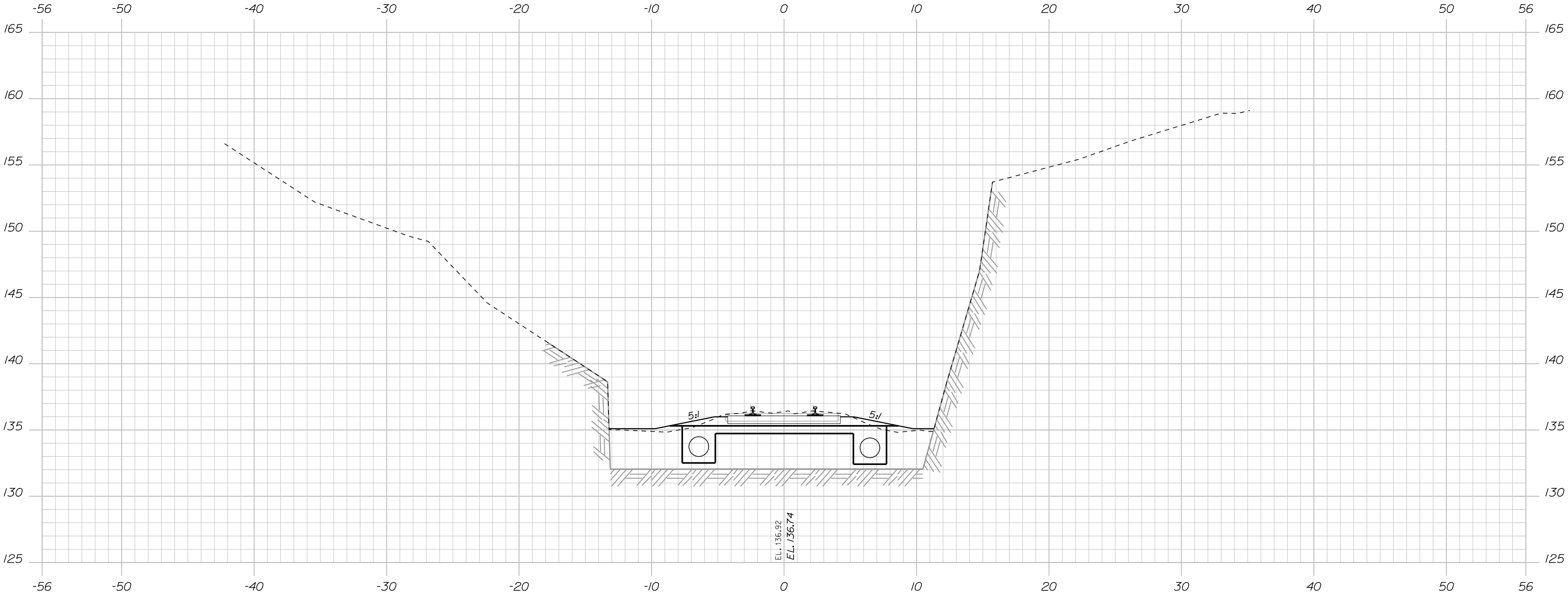


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE		DATE
15236		P.E. NUMBER		
PIN 15236.00		DATE		
PROFESSIONAL ENGINEER TIMOTHY S. BRYANT No. 12860		DATE		
PROJ. MANAGER R. Corey		BY P. Corbore		DATE 08/24/10
DESIGN-DETAILED		CHECKED-REVIEWED		
DESIGN-DETAILED		DESIGN-DETAILED		
REVISIONS 1		REVISIONS 2		
REVISIONS 3		REVISIONS 4		
FIELD CHANGES				

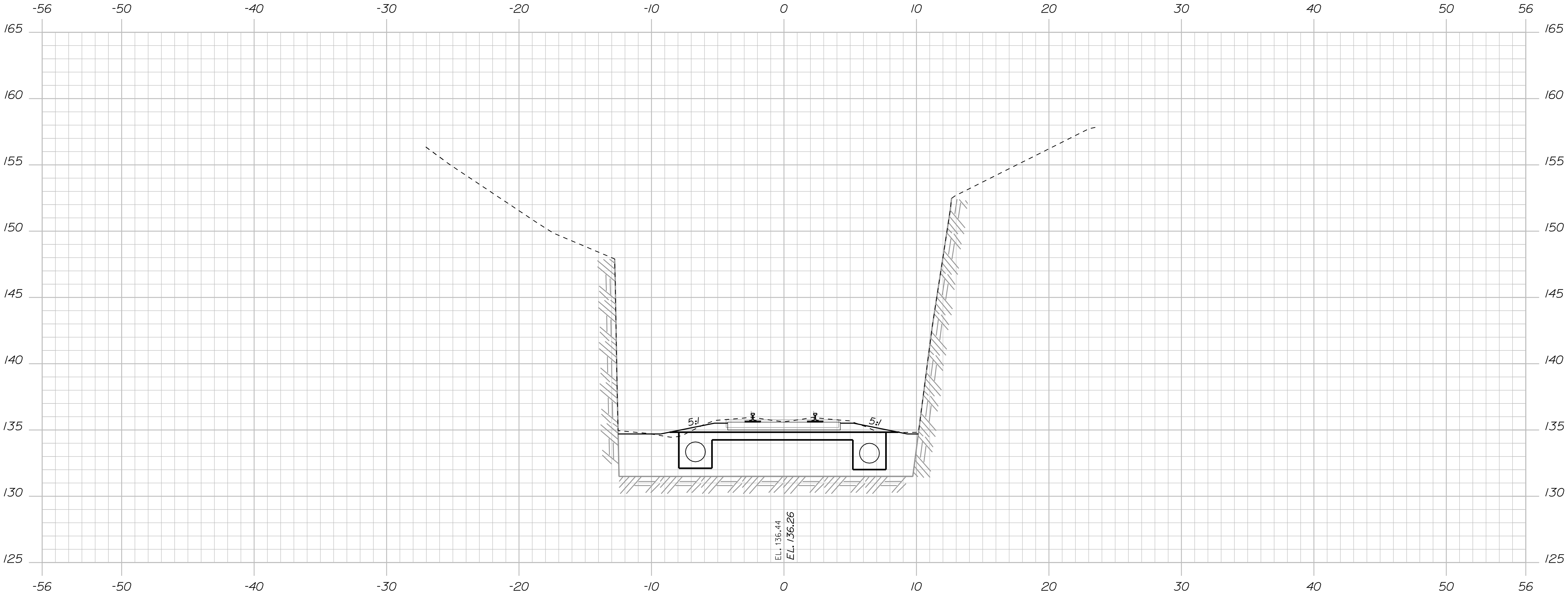
Brunswick	DEEP CUT CROSS SECTIONS
SHEET NUMBER	
48	
OF 87	

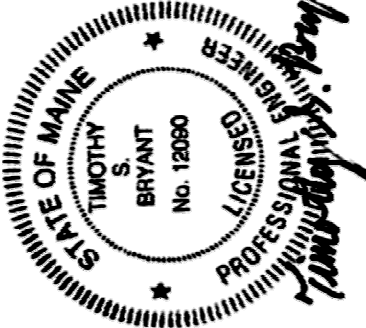


STATE OF MAINE DEPARTMENT OF TRANSPORTATION				SIGNATURE	DATE	
15236		P.E. NUMBER		DATE		
PIN 15236.00				DATE		
Brunswick DEEP CUT CROSS SECTIONS		PROJ. MANAGER		BY	DATE	
		R. Corey		M. Boonstra	P. Corbore	08/24/10
		DESIGN-DETAILED		CHECKED-REVIEWED		
		DESIGN-DETAILED		DESIGN-DETAILED		
		REVISIONS 1		REVISIONS 2	REVISIONS 3	REVISIONS 4
SHEET NUMBER						
49						
OF 87						



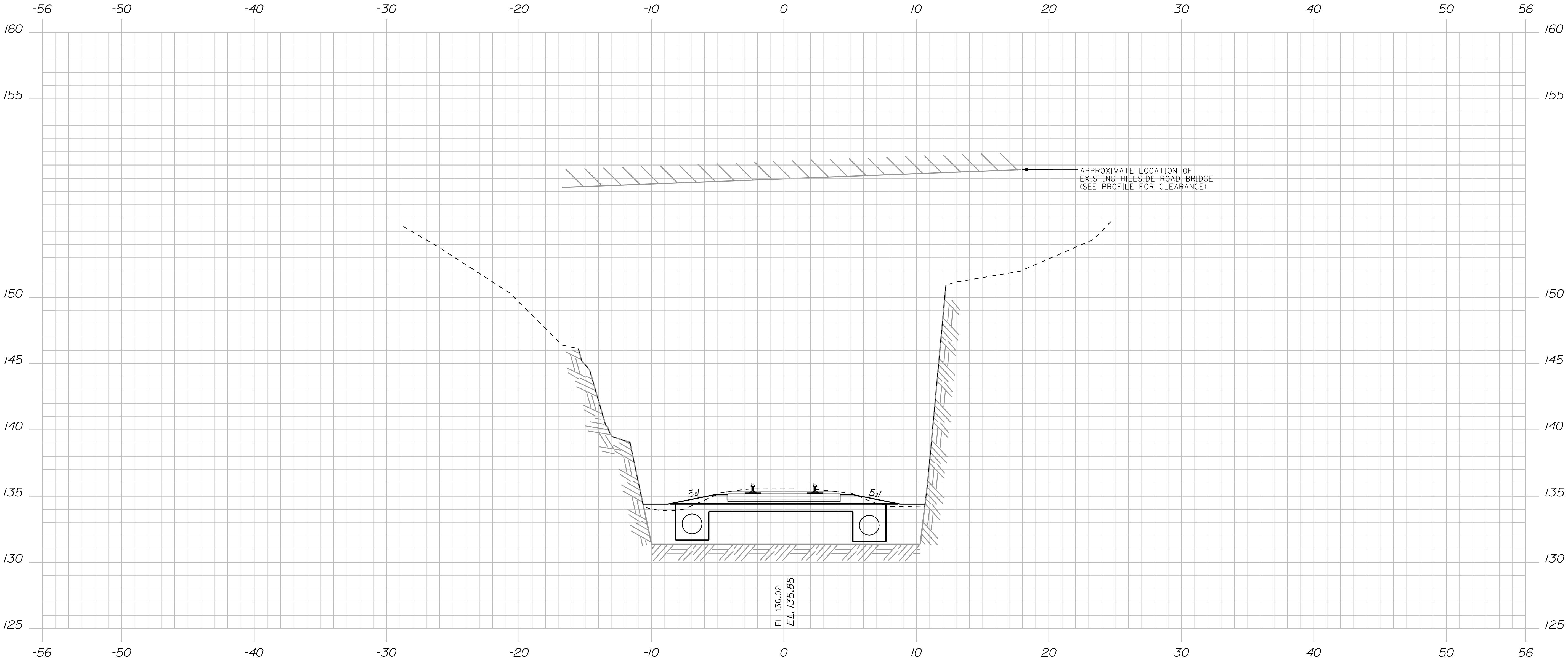
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE		DATE
15236		P.E. NUMBER		
PIN 15236.00		DATE		
PROF. SEAL TIMOTHY S. BRYANT No. 1280 LICENSED PROFESSIONAL ENGINEER		PROJ. MANAGER R. Corey		BY P. Corbore
DESIGN-DETAILED		CHECKED-REVIEWED	DATE 08/24/10	
DESIGN-DETAILED		DESIGN-DETAILED		
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
Brunswick		DEEP CUT CROSS SECTIONS		
SHEET NUMBER		50		
		OF 87		



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE	BY	DATE
		P.E. NUMBER		
15236				
PIN		DATE		
15236.00				

Brunswick DEEP CUT CROSS SECTIONS	PROJ. MANAGER	R. Corey
	CHECKED-REVIEWED	M. Boonstra
	DESIGN-DETAILED	
	REVISIONS 1	
	REVISIONS 2	
	REVISIONS 3	
	REVISIONS 4	
	FIELD CHANGES	

SHEET NUMBER
51
OF 87



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

STATE OF MAINE
TIMOTHY S. BRYANT
No. 12880
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER

CHECKED-REVIEWED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

DATE

Brunswick

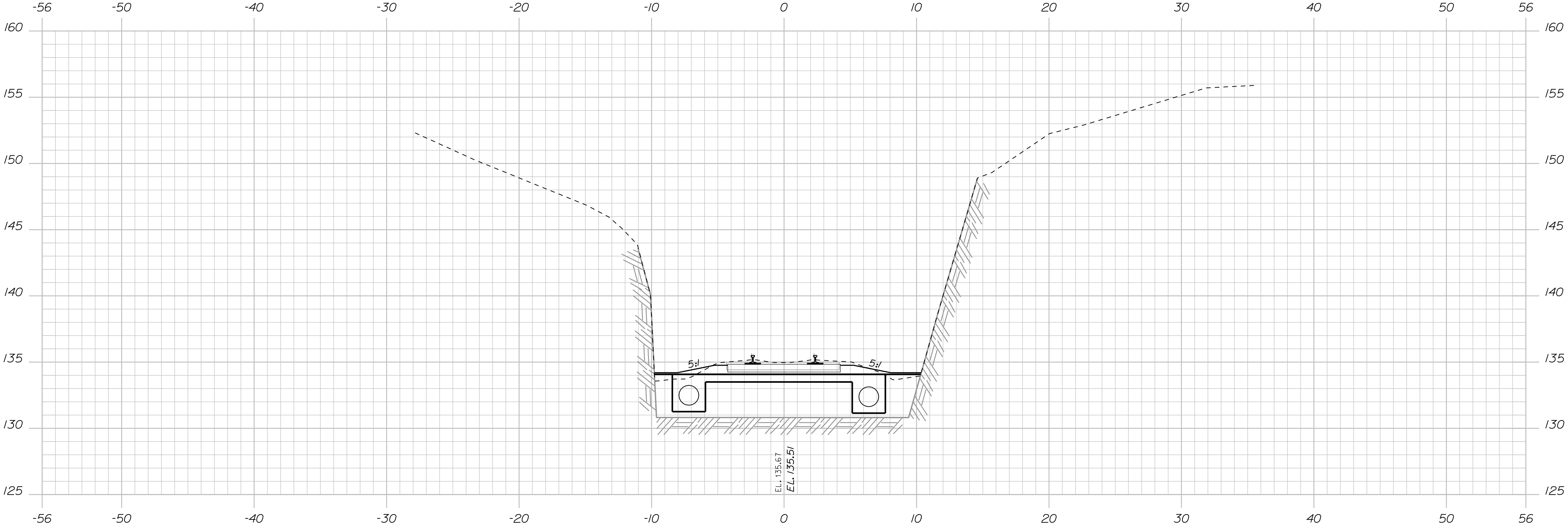
DEEP CUT
CROSS SECTIONS

SHEET NUMBER

52

OF 87

Sta. 1412+50.00 to Sta. 1412+50.00



1413+00.00

Sta. 1413+00.00 to Sta. 1413+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

STATE OF MAINE
THOMAS
BRYANT
No. 12890

PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER

CHECKED-REVIEWED

DESIGNS-DETAILED

DESIGNS-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

08/24/10

R. Corey

M. Boonstra

P. Corbore

BY

DATE

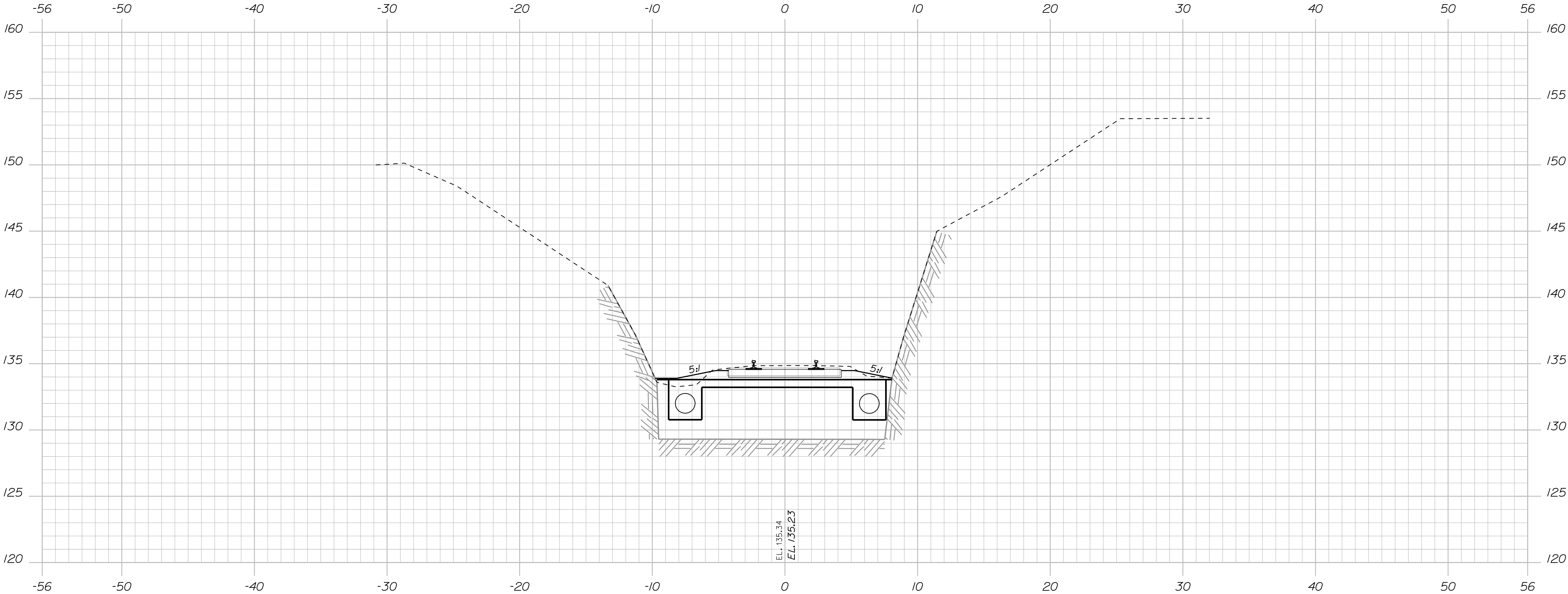
Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

53

OF 87

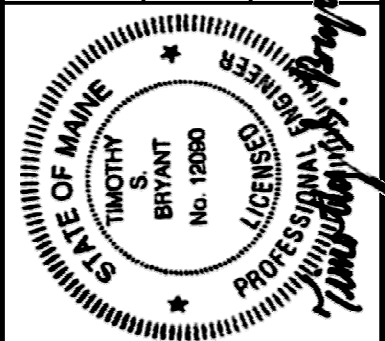


1413+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	P. Corbore	DATE	08/24/10
CHECKED-REVIEWED	M. Boonstra				
DESIGN-DETAILED					
DESIGN-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

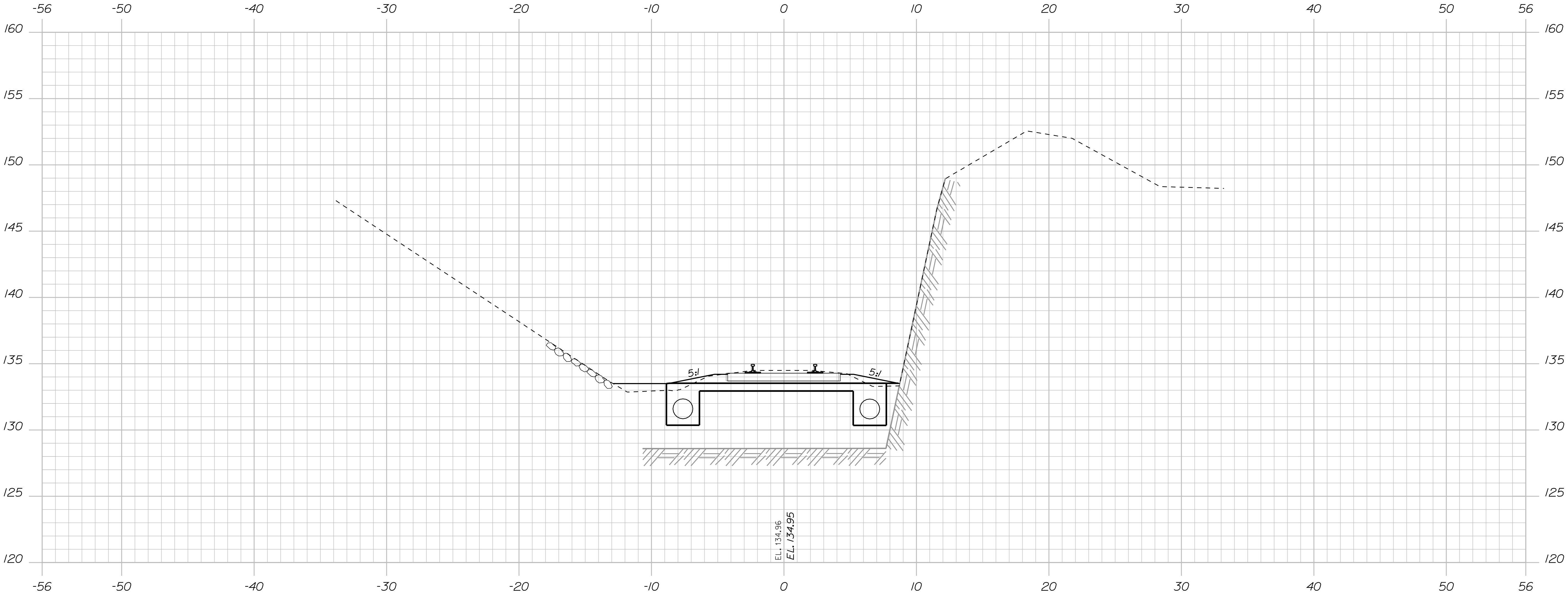
Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

54

OF 87

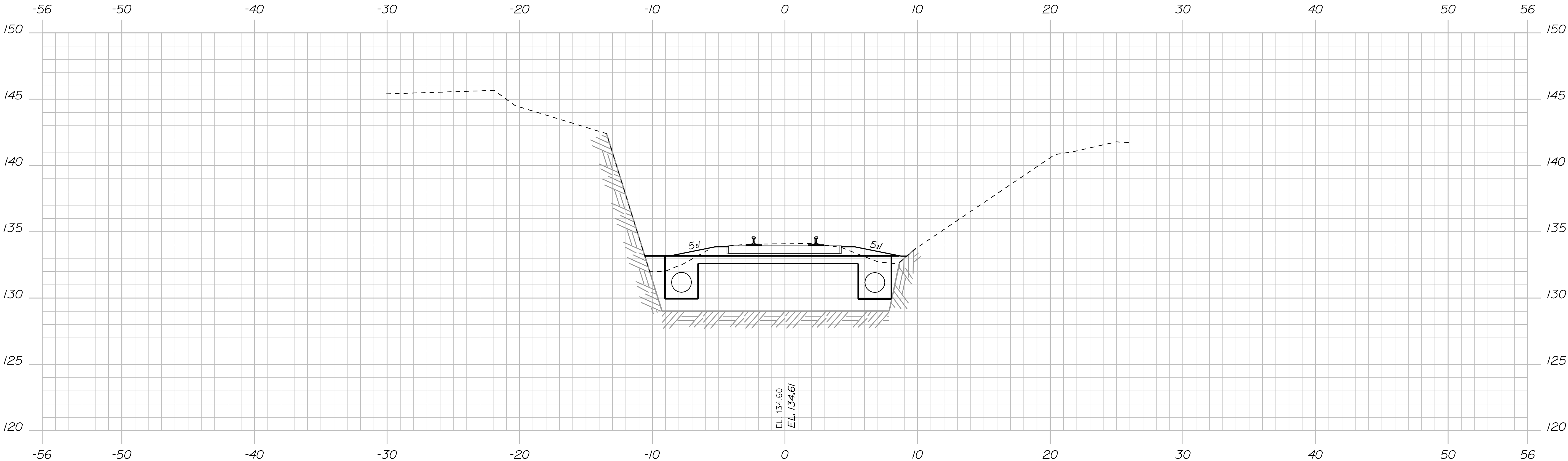
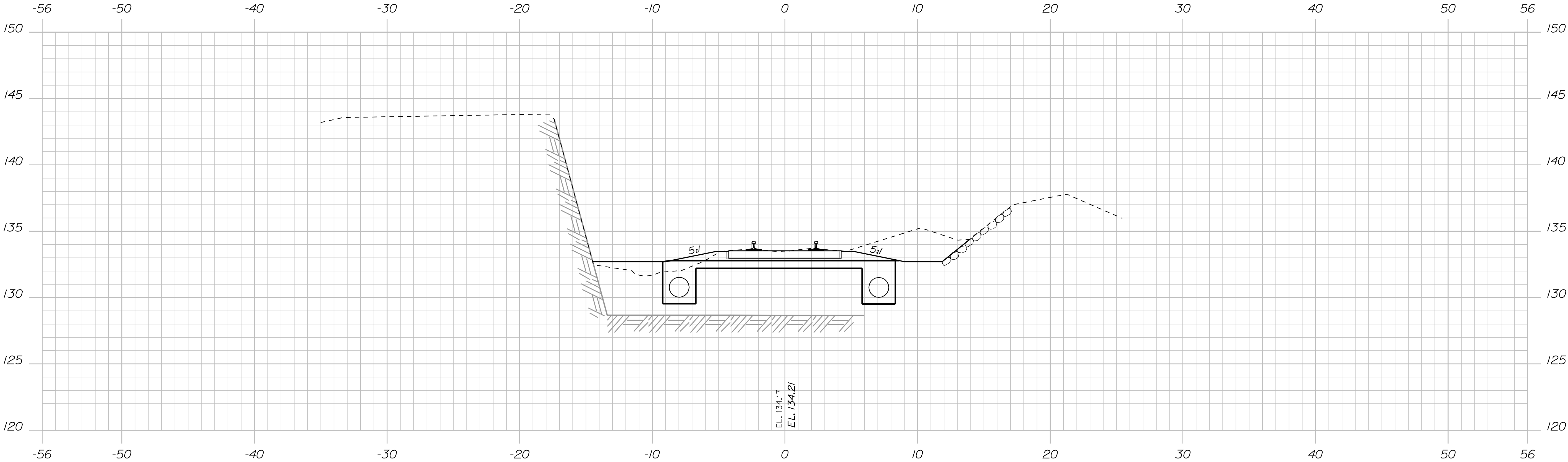


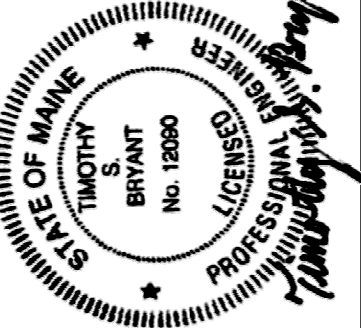
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE		DATE
		P.E. NUMBER		DATE
STATE OF MAINE TIMOTHY S. BRYANT No. 12860 LICENSED PROFESSIONAL ENGINEER		15236		PIN 15236.00
		15236		15236.00
Brunswick		SHEET NUMBER 55 OF 87		
DEEP CUT CROSS SECTIONS				

Date: 8/24/2010

Username: common

Filename: ... \MSTAD056_XSECT_1414+50_032.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		P. Corbo			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

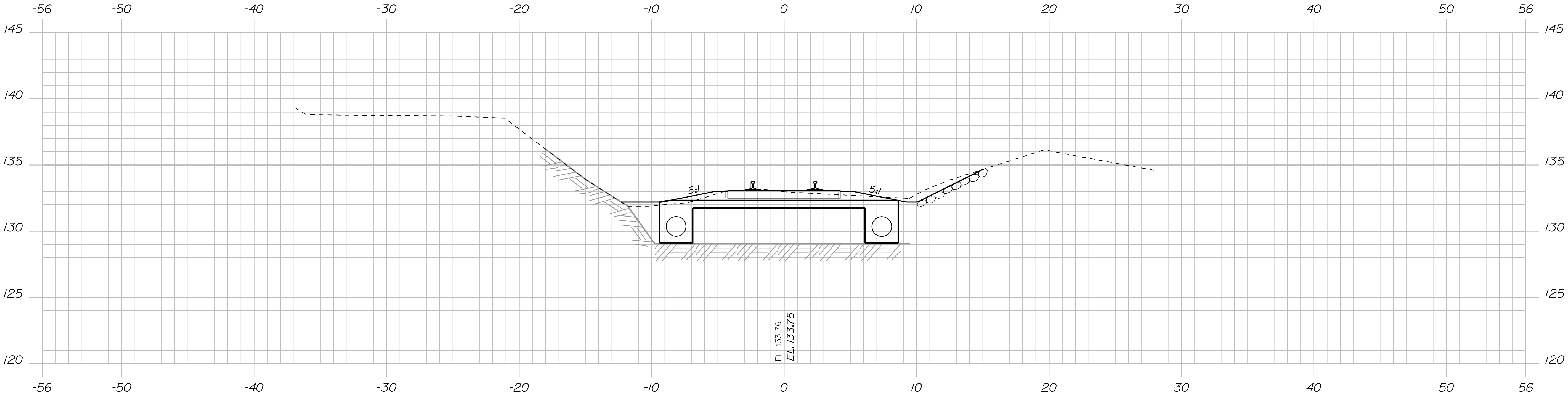
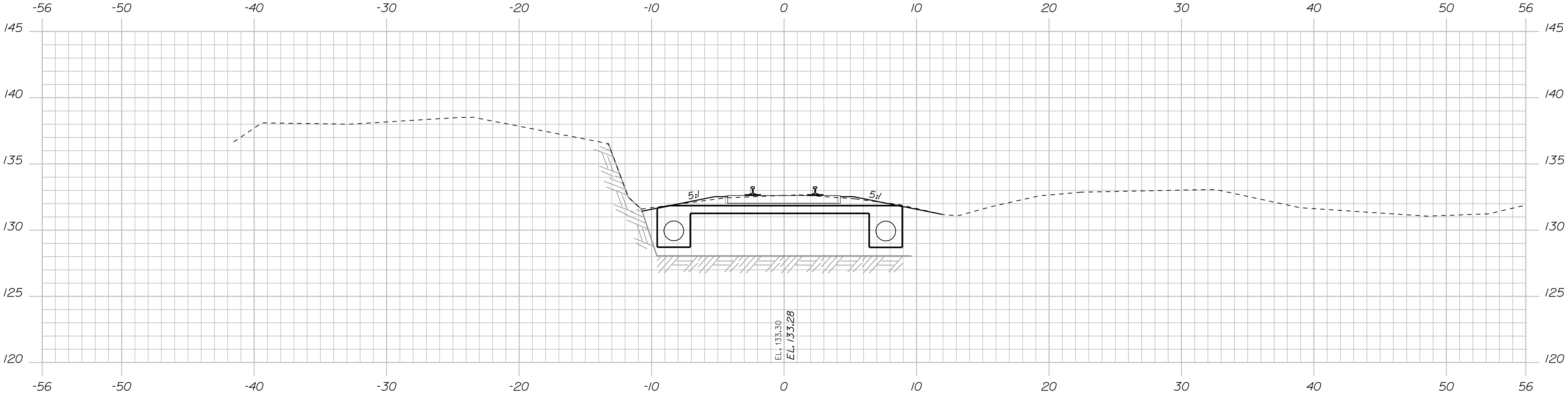
56

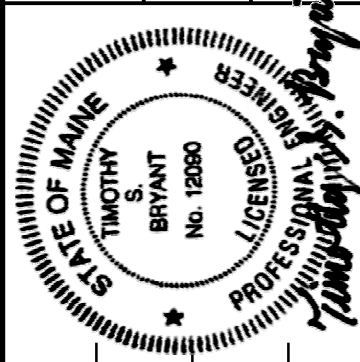
OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTA057_XSECT_1415+50_033.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		P. Corbore			
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
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REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

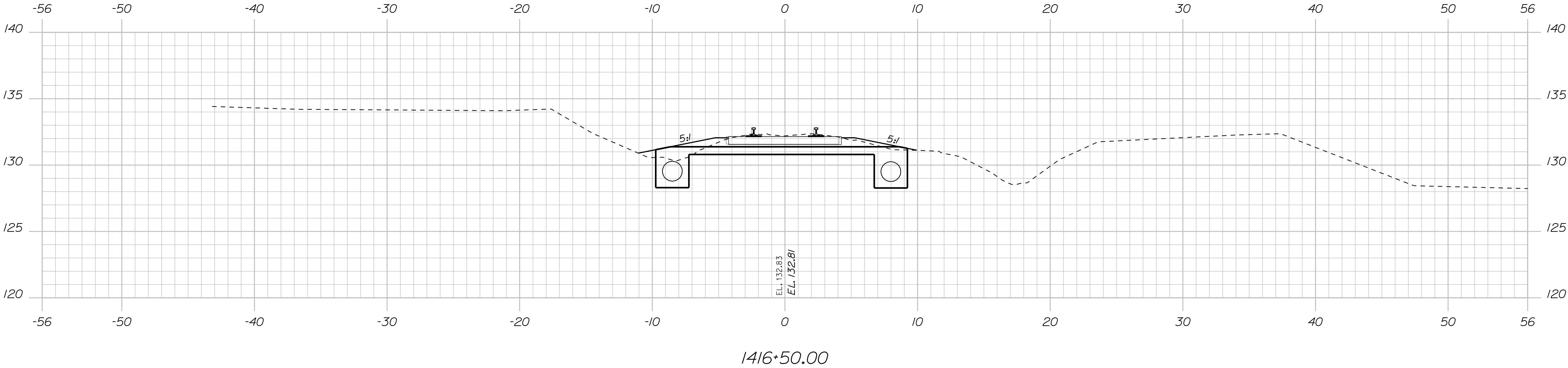
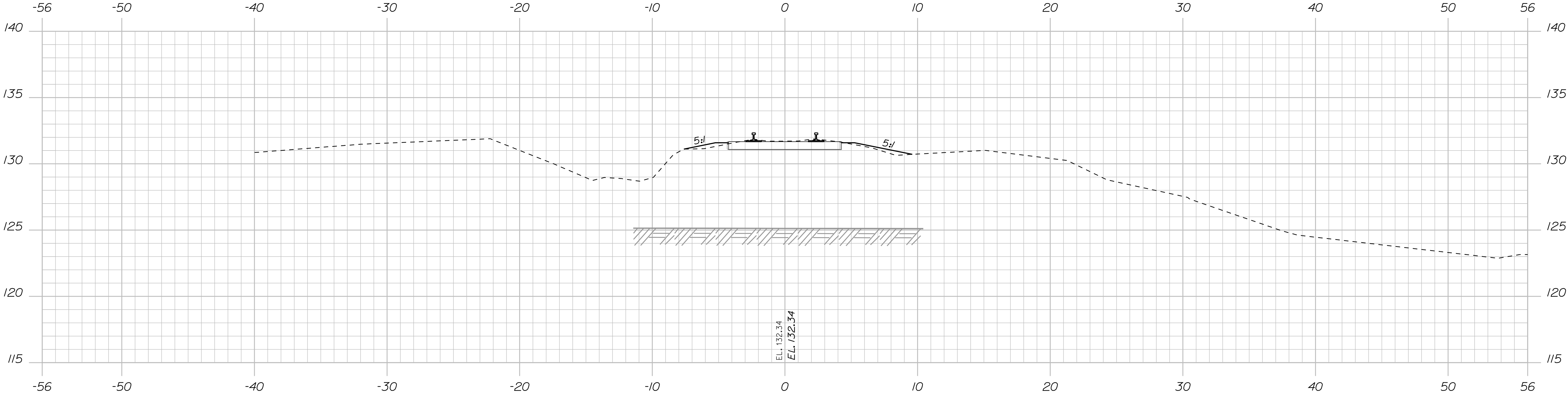
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OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTAO58_XSECT_1416+50_034.dgn Division: HIGHWAY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

THOMAS
BRYANT
No. 12060

PROFESSIONAL ENGINEER

Thomas Bryant

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-REVIEWED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

BY

R. Corey

M. Boonstra

P. Corbore

08/24/10

Brunswick

DEEP CUT
CROSS SECTIONS

SHEET NUMBER

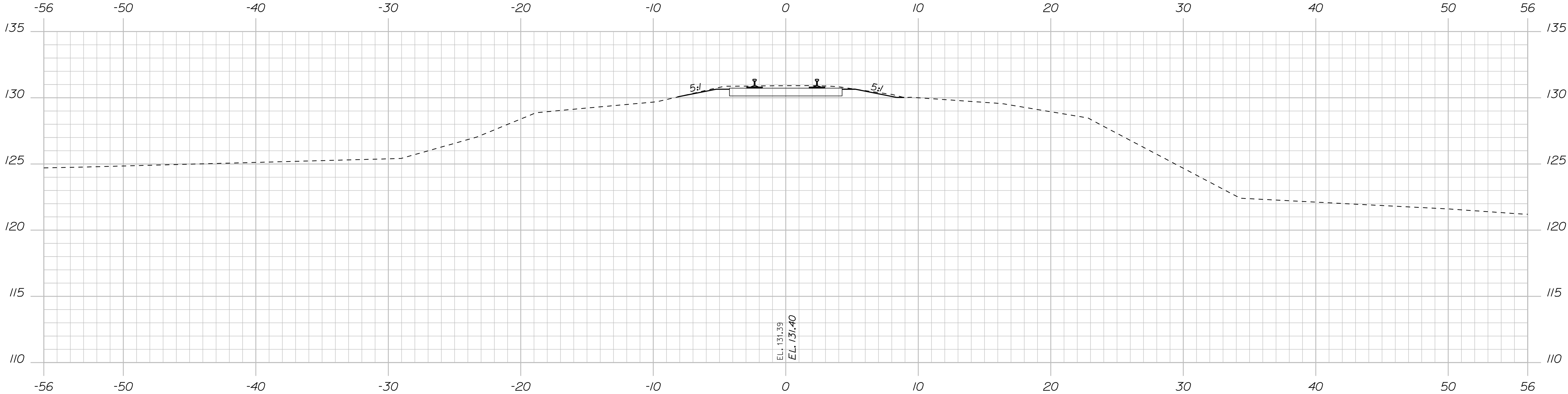
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OF 87

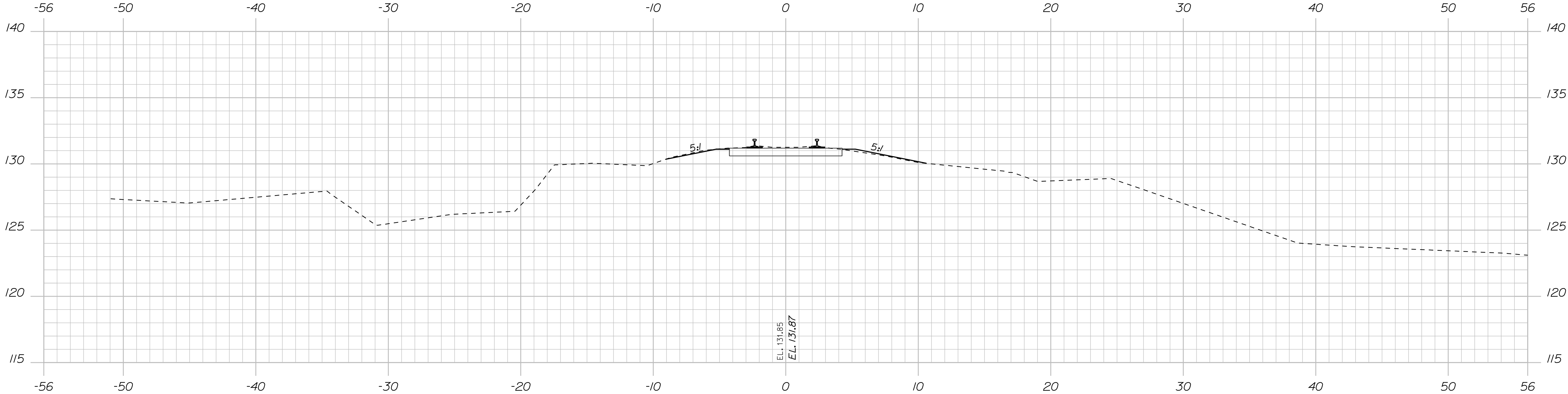
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Username: common

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1418+00.00



1417+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00

15236

PIN
15236.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
LICENSE NO. 15236
P.E. NUMBER
15236.00

15236

PIN
15236.00

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PIN
15236.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
LICENSE NO. 15236
P.E. NUMBER
15236.00

15236

PIN
15236.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
LICENSE NO. 15236
P.E. NUMBER
15236.00

15236

PIN
15236.00

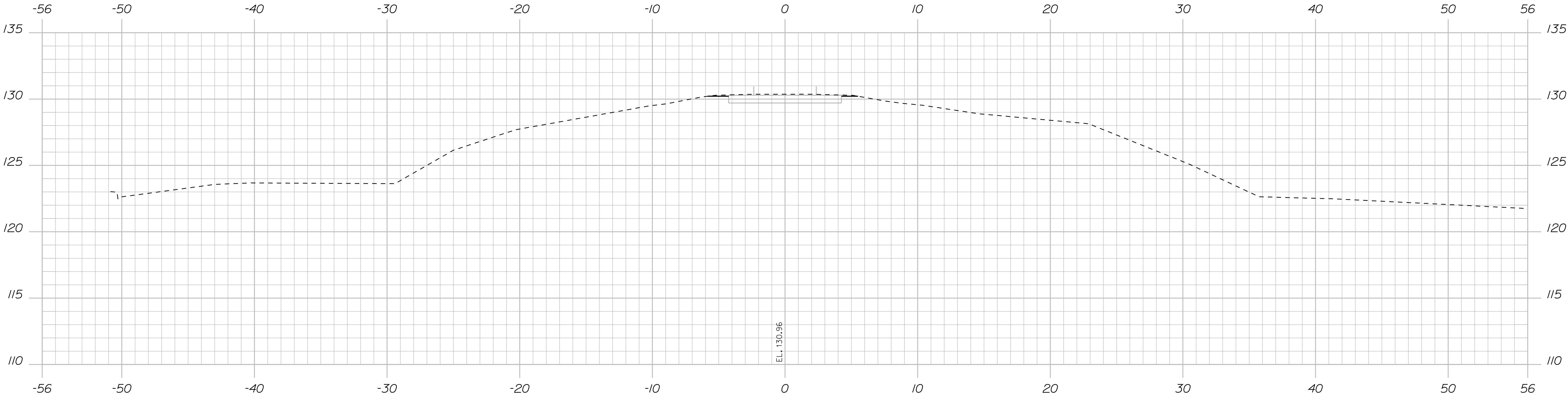
Brunswick

DEEP CUT
CROSS SECTIONS

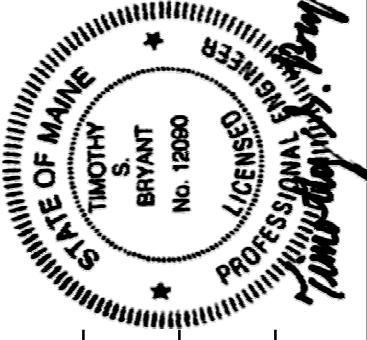

SHEET NUMBER

59

OF 87



1418+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		PROJ. MANAGER	R. Corey	BY	DATE
		CHECKED-REVIEWED	M. Boonstra	P. Corbore	08/24/10
SIGNATURE		DESIGNS-DETAILED			
		DESIGNS-DETAILED			
15236		REVISIONS 1			
		REVISIONS 2			
PIN 15236.00		REVISIONS 3			
		REVISIONS 4			
		DATE			
		FIELD CHANGES			

Brunswick

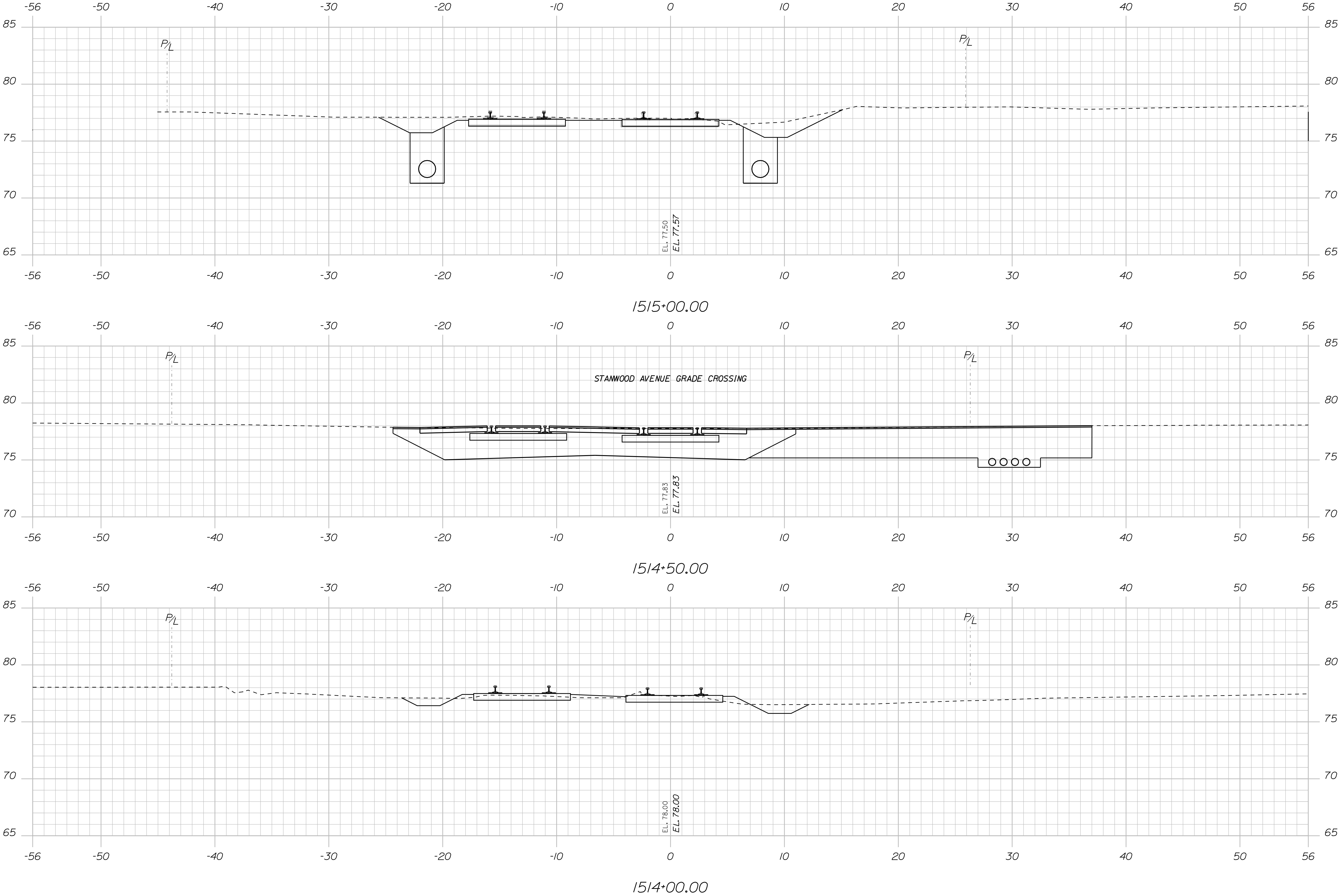
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CROSS SECTIONS

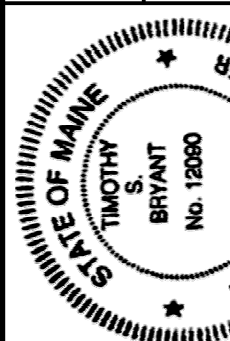
SHEET NUMBER
60
OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTAO61_XSECT_1514+00_001.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		BY		DATE	
PROJ. MANAGER		R. Corey		DATE	
DESIGN-DETAILED		M. Boonstra		DATE	
CHECKED-REVIEWED		J. Bryant		DATE	
DESIGN-DETAILED				DATE	
REVISIONS 1				DATE	
REVISIONS 2				DATE	
REVISIONS 3				DATE	
REVISIONS 4				DATE	
FIELD CHANGES				DATE	

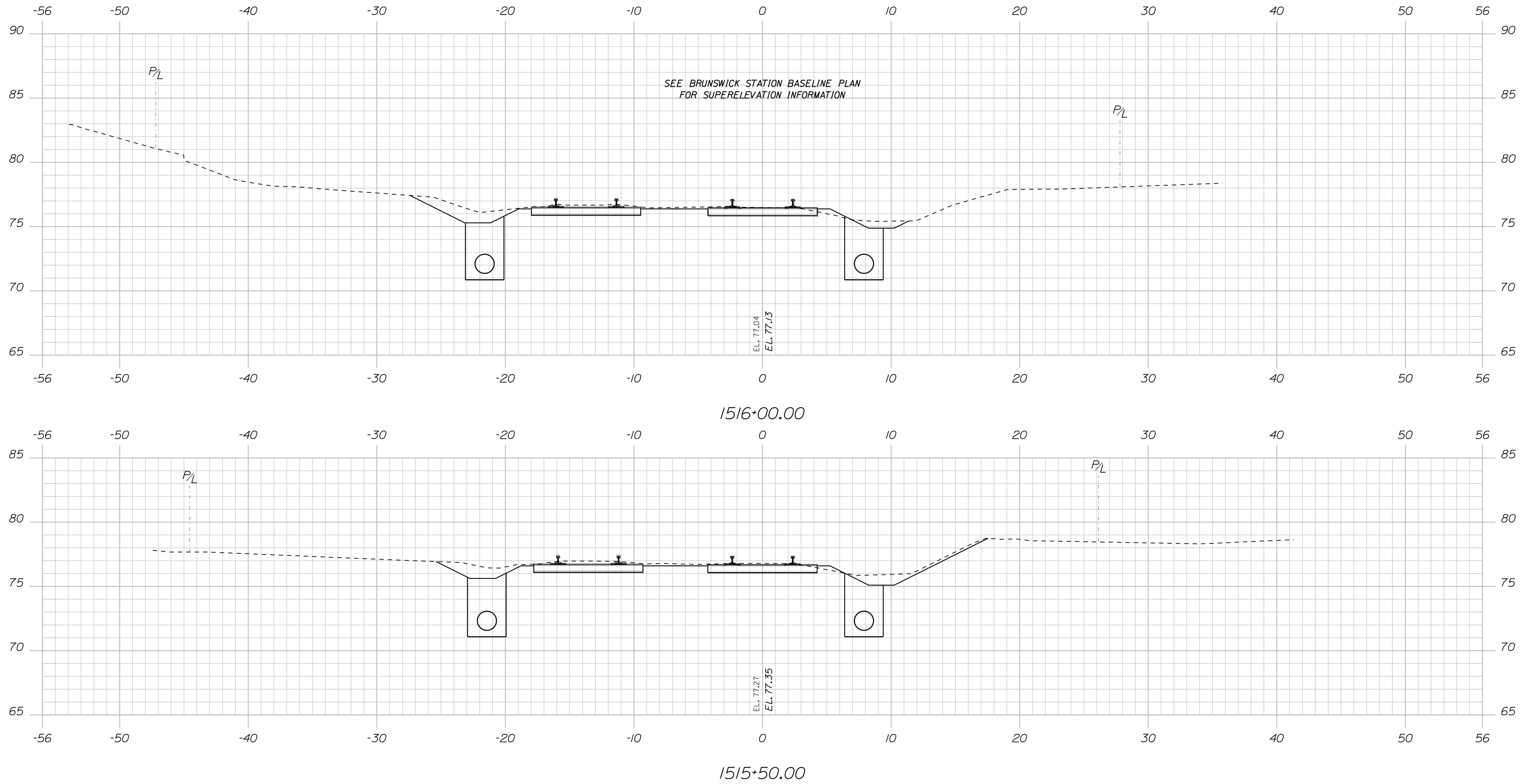
Brunswick

BRUNSWICK STATION
CROSS SECTIONS

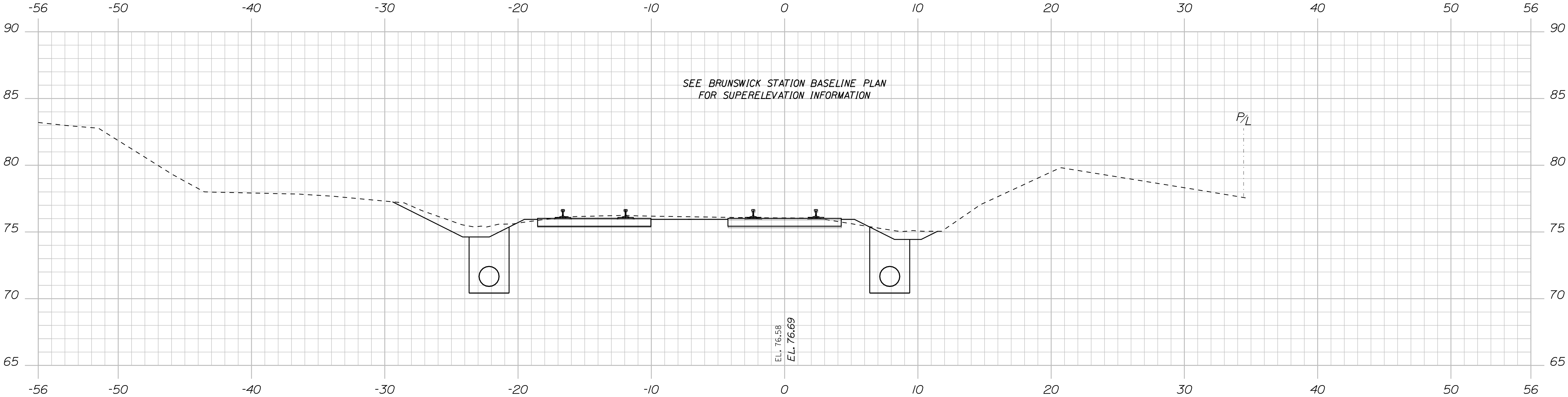
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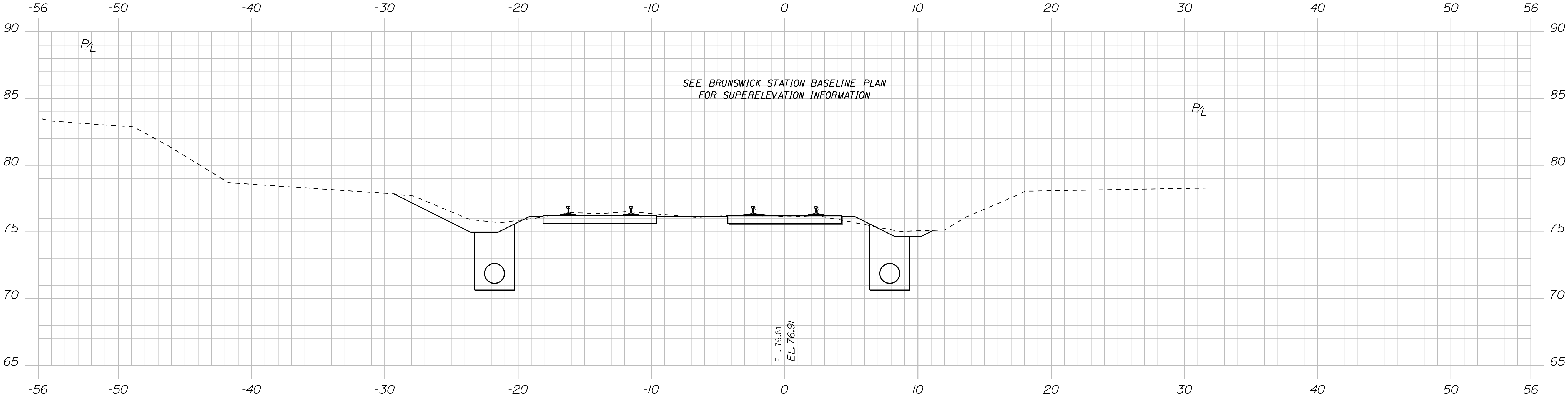
OF 87



SHEET NUMBER					
62 OF 87					
Brunswick					
PROJ. MANAGER R. Corey BY J. Berdyk DATE 08/24/10					
DESIGN-DETAILED CHECKED-REVIEWED					
DESIGN2-DETAILED02					
DESIGN3-DETAILED03					
REVISED REVISIONS 1					
REVISED REVISIONS 2					
REVISED REVISIONS 3					
REVISED REVISIONS 4					
FIELD CHANGES					
BRUNSWICK STATION CROSS SECTIONS					
STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
15236 PIN 15236.00					
Professional Engineer License No. 12890 State of Maine Timothy S. Bryant					



1517+00.00

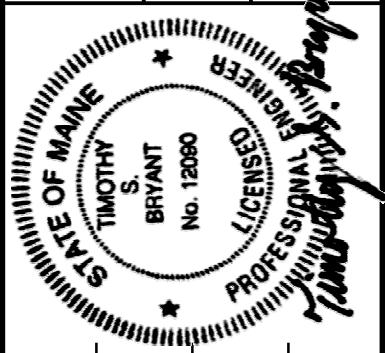


1516+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Berdyk	DATE	08/24/10
CHECKED-DETAILED	M. Boonstra				
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

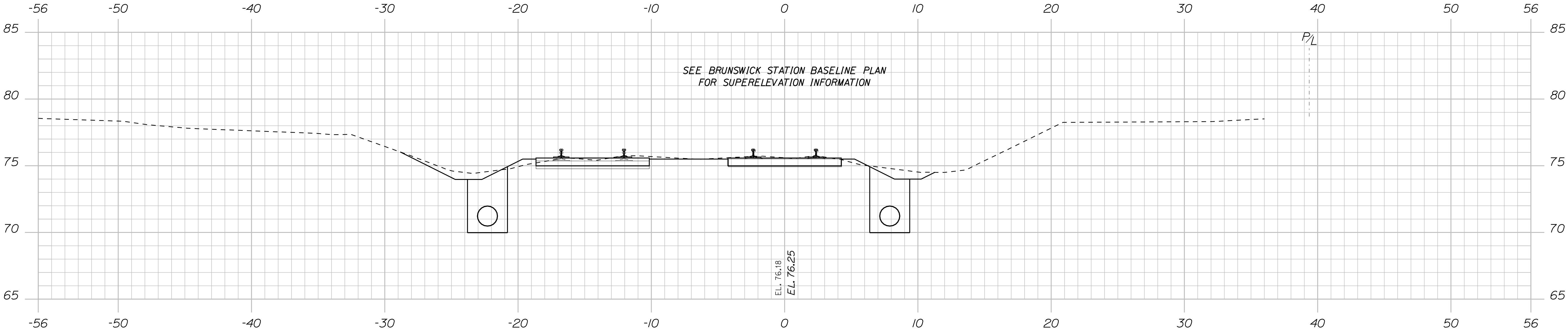
Brunswick

BRUNSWICK STATION
CROSS SECTIONS

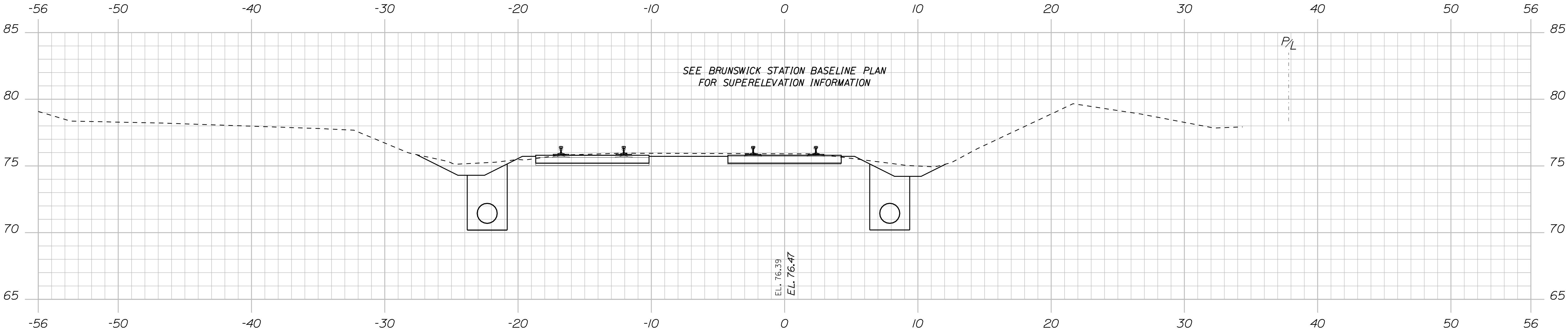
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OF 87



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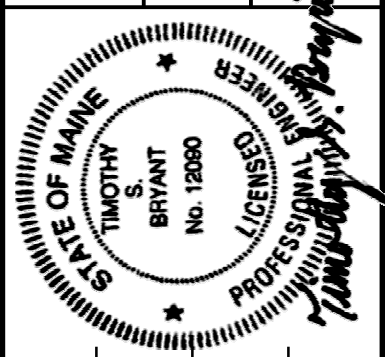


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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Brandy	DATE	08/24/10
CHECKED-REVIEWED	M. Boonstra				
DESIGN-DETAILED					
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REVISIONS 1					
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REVISIONS 4					
FIELD CHANGES					

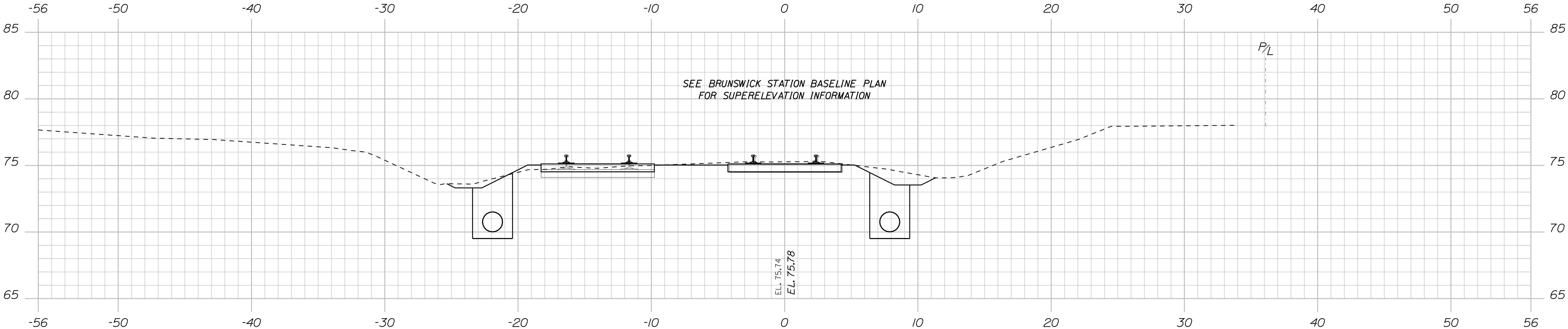
Brunswick

BRUNSWICK STATION
CROSS SECTIONS

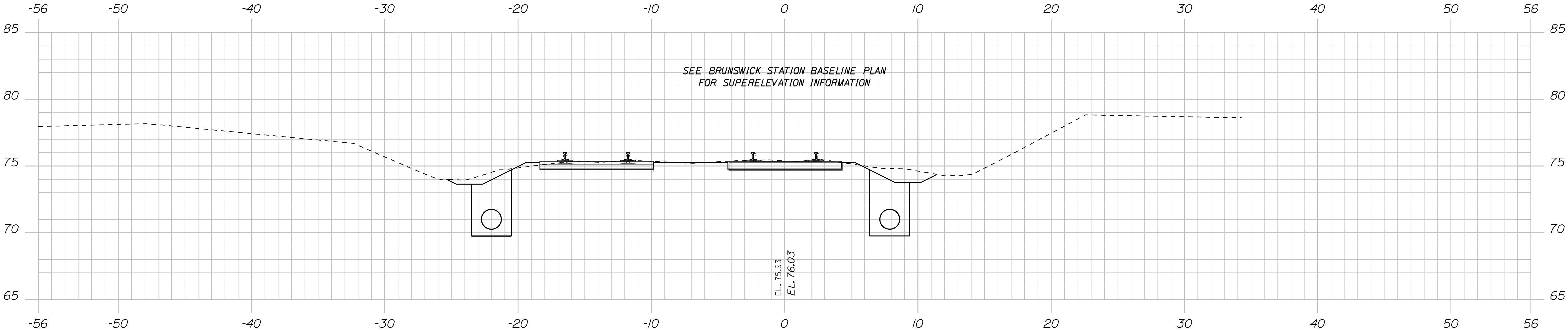
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64

OF 87



1519+00.00

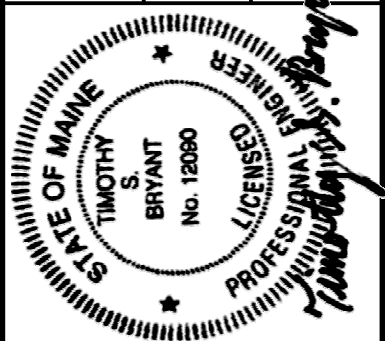


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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Brandy	DATE	08/24/10
CHECKED-REVIEWED	M. Boonstra				
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
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REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

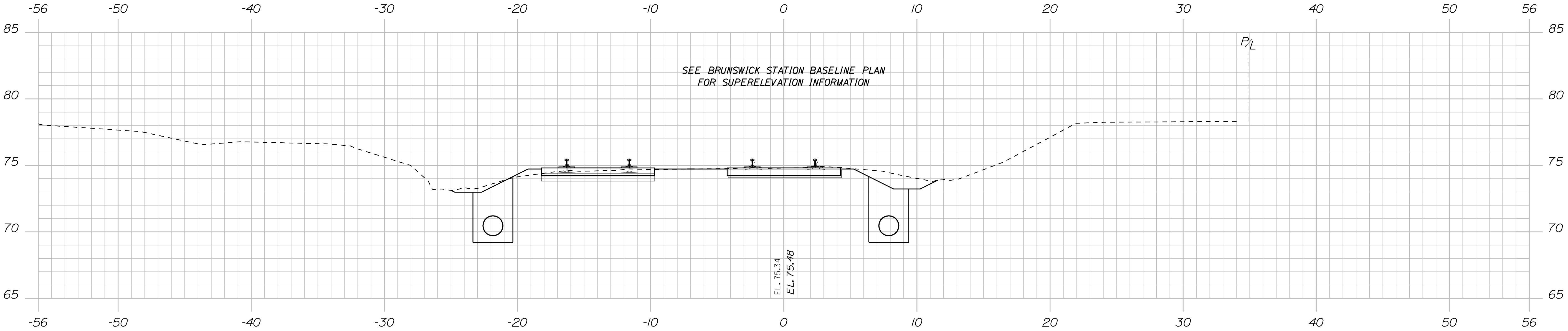
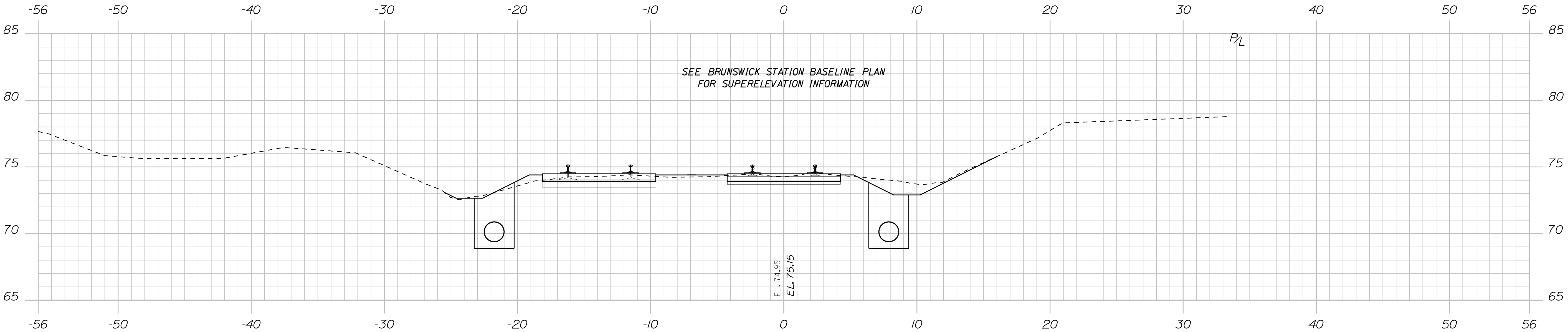
Brunswick

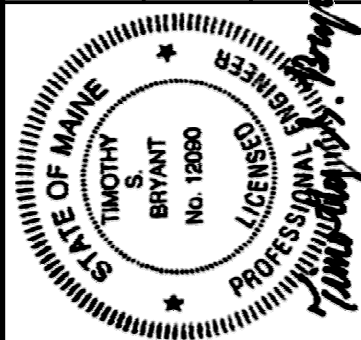
BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

65

OF 87



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		J. Bryant		08/24/10	
CHECKED-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
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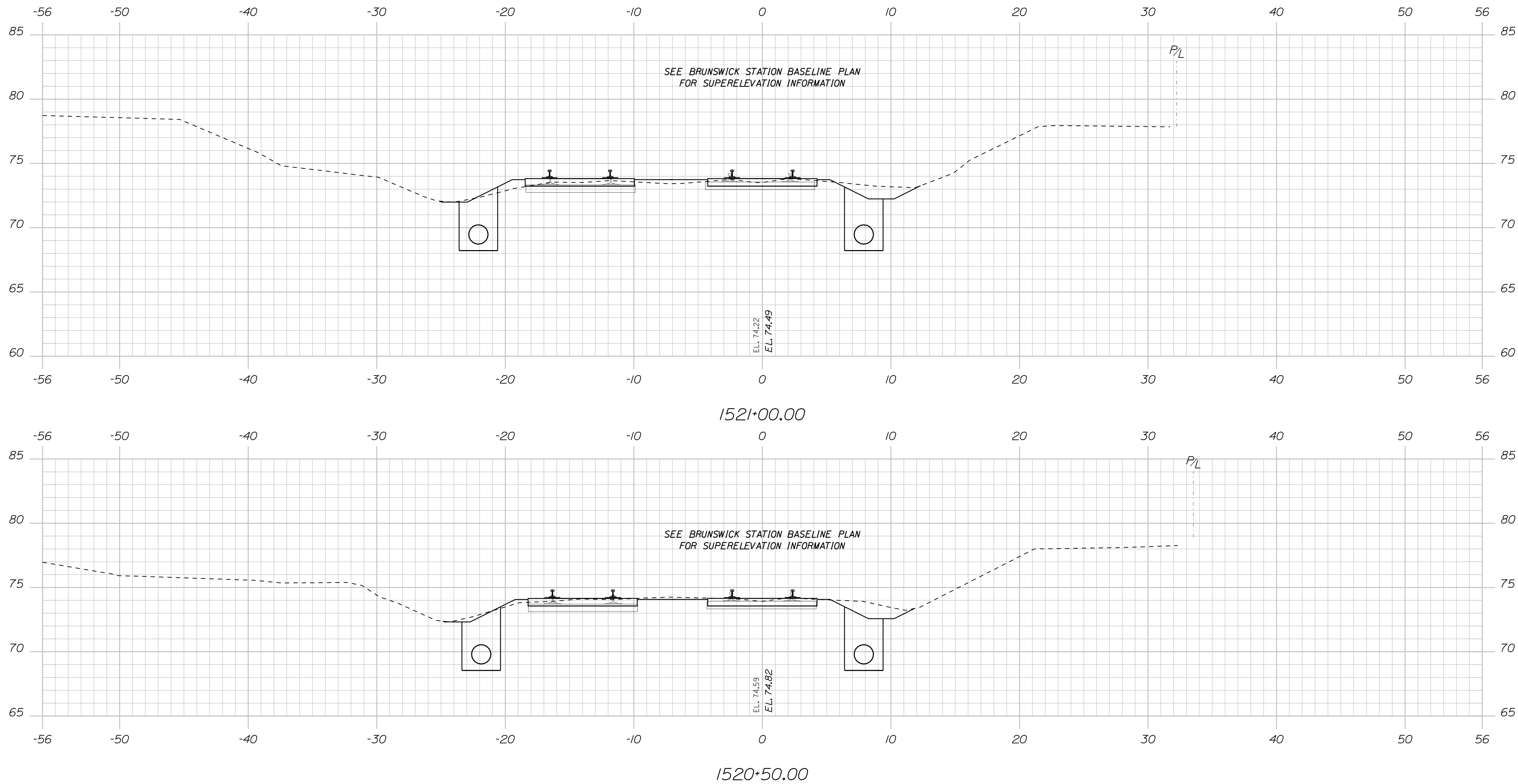
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BRUNSWICK STATION
CROSS SECTIONS

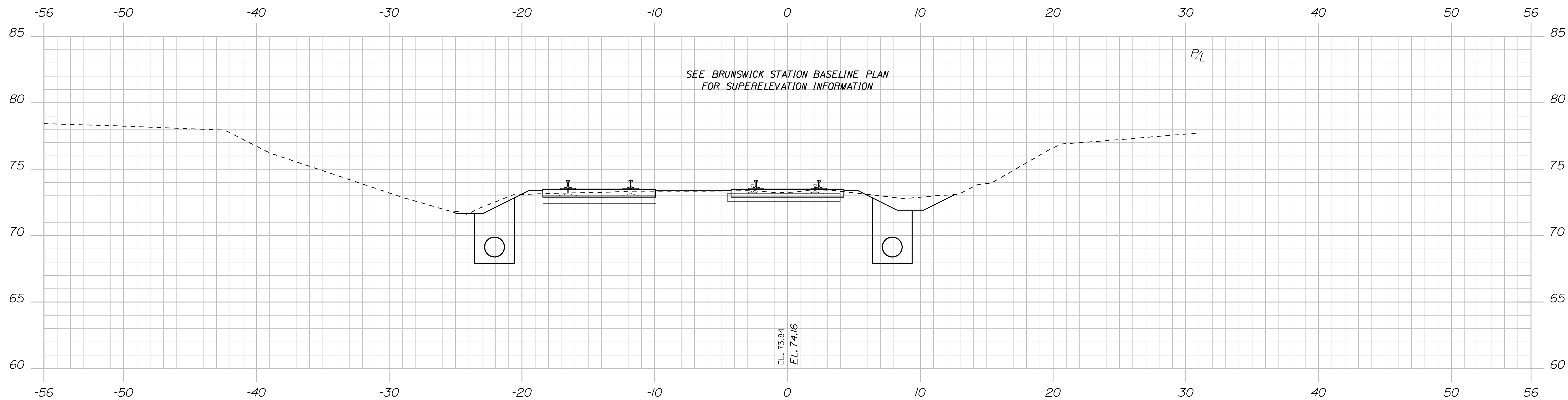
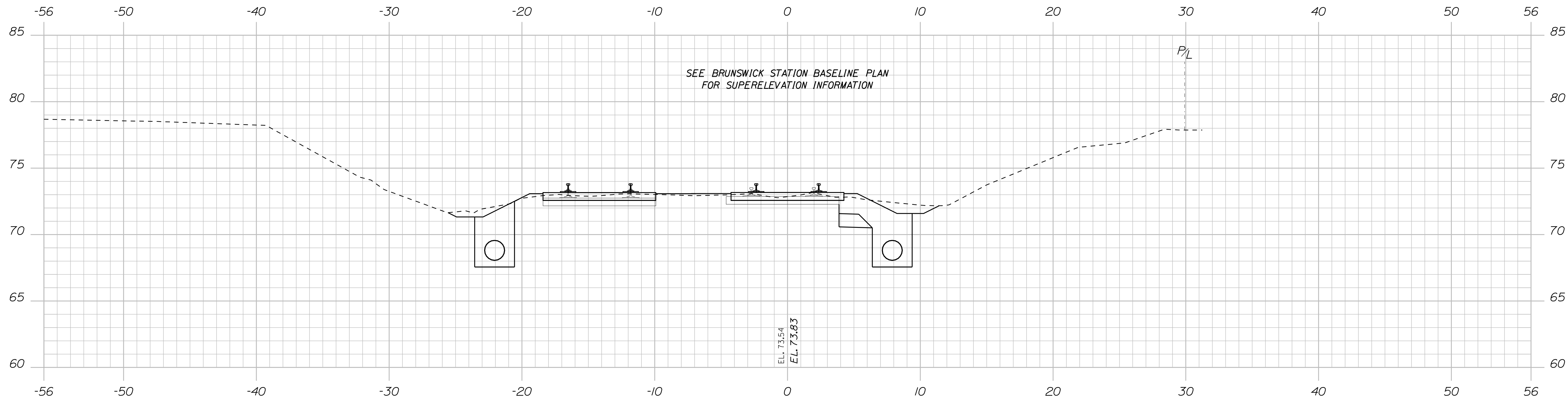
SHEET NUMBER

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<div> <div> <div>67</div> <div>OF 87</div> </div> <div>SHEET NUMBER</div> </div>	<div> <div>Brunswick</div> <div>BRUNSWICK STATION</div> <div>CROSS SECTIONS</div> </div>	<div> <div>PROJ. MANAGER</div> <div> <div>R. Corey</div> <div>M. Boomsma</div> </div> </div>	<div> <div>BY</div> <div>J. Bengt</div> </div>	<div> <div>DATE</div> <div>08/24/10</div> </div>	<div> <div>STATE OF MAINE</div> <div>DEPARTMENT OF TRANSPORTATION</div> <div>15236</div> <div>PIN 15236.00</div> </div>
		<div> <div>CHECKED-REVIEWED</div> <div>DESIGN2-DETAILED2</div> <div>DESIGN3-DETAILED3</div> </div>	<div> <div>SIGNATURE</div> </div>	<div> <div>P.E. NUMBER</div> </div>	
<div> <div>REVISIONS 1</div> <div>REVISIONS 2</div> <div>REVISIONS 3</div> <div>REVISIONS 4</div> <div>FIELD CHANGES</div> </div>					



SEE BRUNSWICK STATION BASELINE PLAN
FOR SUPERELEVATION INFORMATION

SEE BRUNSWICK STATION BASELINE PLAN
FOR SUPERELEVATION INFORMATION

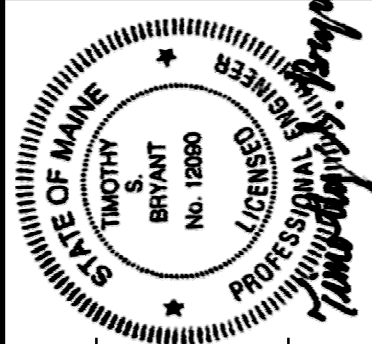
1522+00.00

1521+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE _____

DATE	BY	PROJ. MANAGER
	R Corey	

Corey	
-------	--

PROJ. MANAGER

DESIGN2-DETAILED

REVISIONS 1

REVISIONS 3

REVISIONS 4

REVISIONS 5

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

68

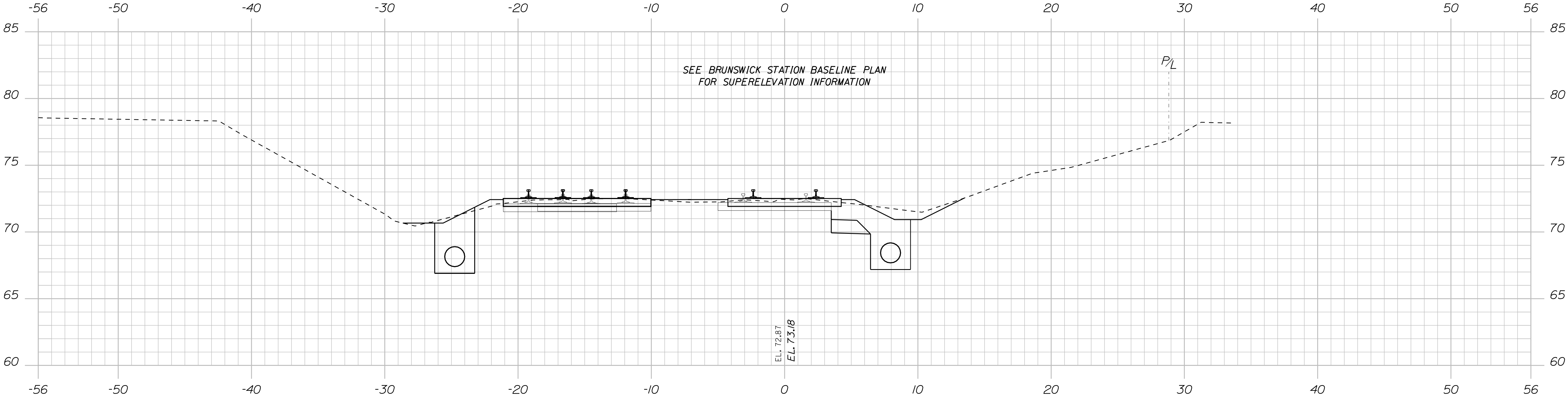
OF 87

Sta. 1521+50.00 to Sta. 1522+00.00

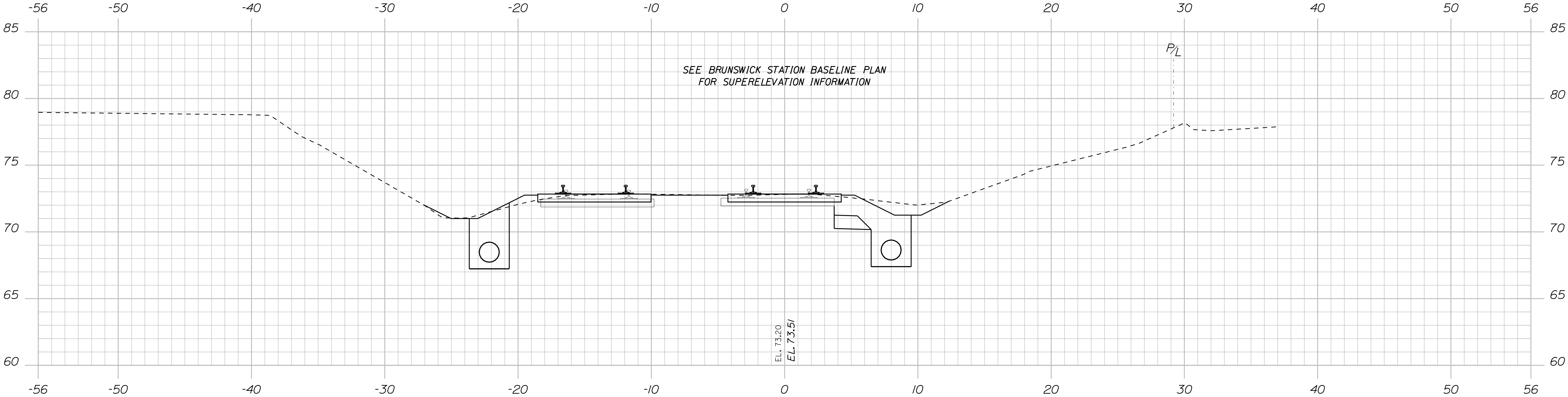
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Username: common

Filename: ... \MSTAD69_XSECT_1522+50_009.dgn Division: HIGHWAY



1523+00.00

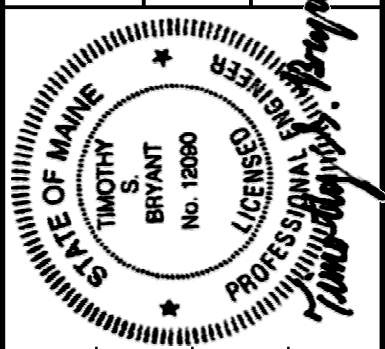


1522+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Berdyk	DATE	08/24/10
CHECKED-DETAILED	M. Boonstra				
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

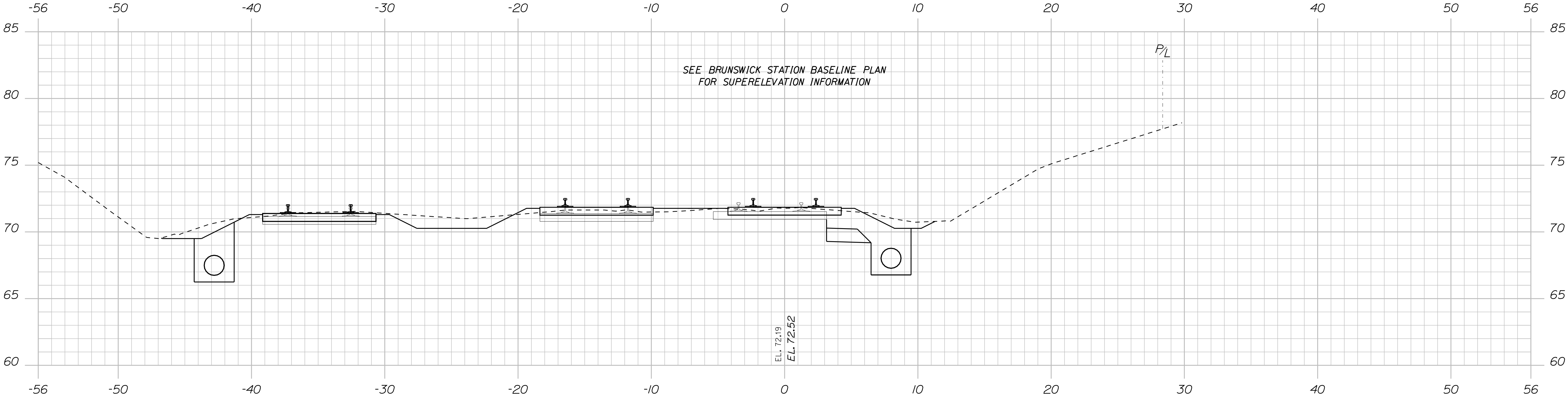
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OF 87

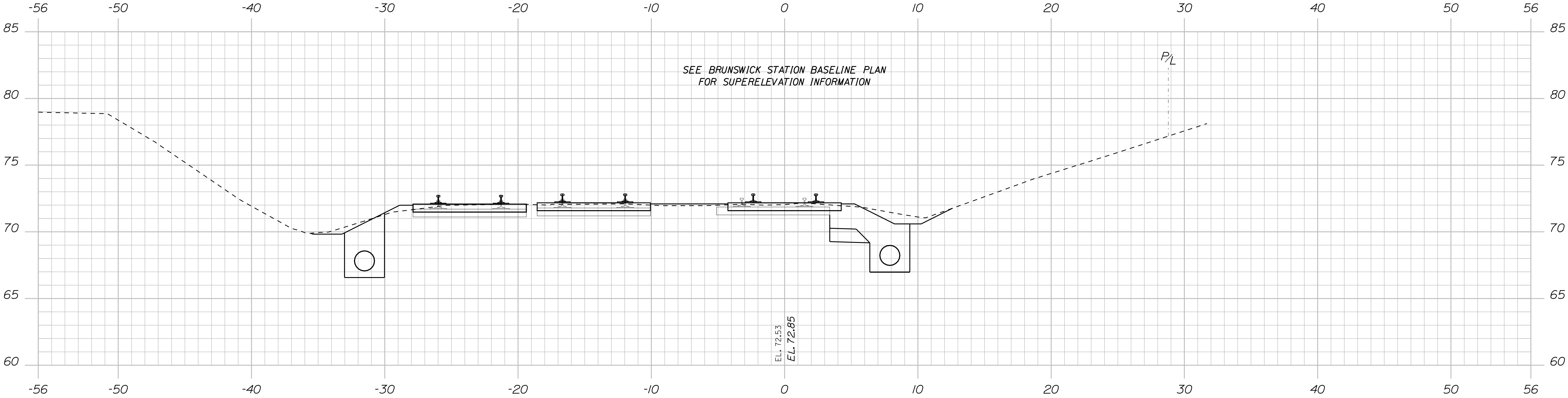
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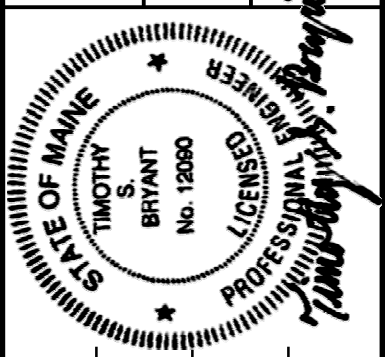


1524+00.00



1523+50.00

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
15236	
PIN 15236.00	



SIGNATURE		P.E. NUMBER		DATE	
R. Corey		J. Berdyk		08/24/10	
M. Boonstra					
DESIGN-DETAILED		DESIGN-DETAILED		REVISIONS 1	
CHECKED-REVIEWED				REVISIONS 2	
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				REVISIONS 4	
				FIELD CHANGES	

Brunswick	
BRUNSWICK STATION	
CROSS SECTIONS	

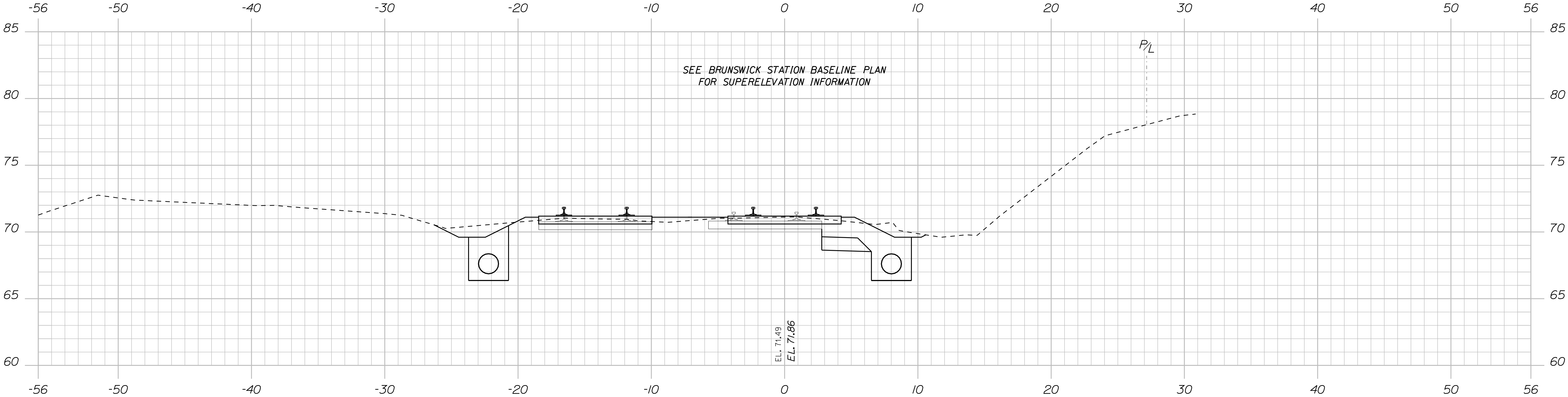
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OF 87	

Date:8/24/2010

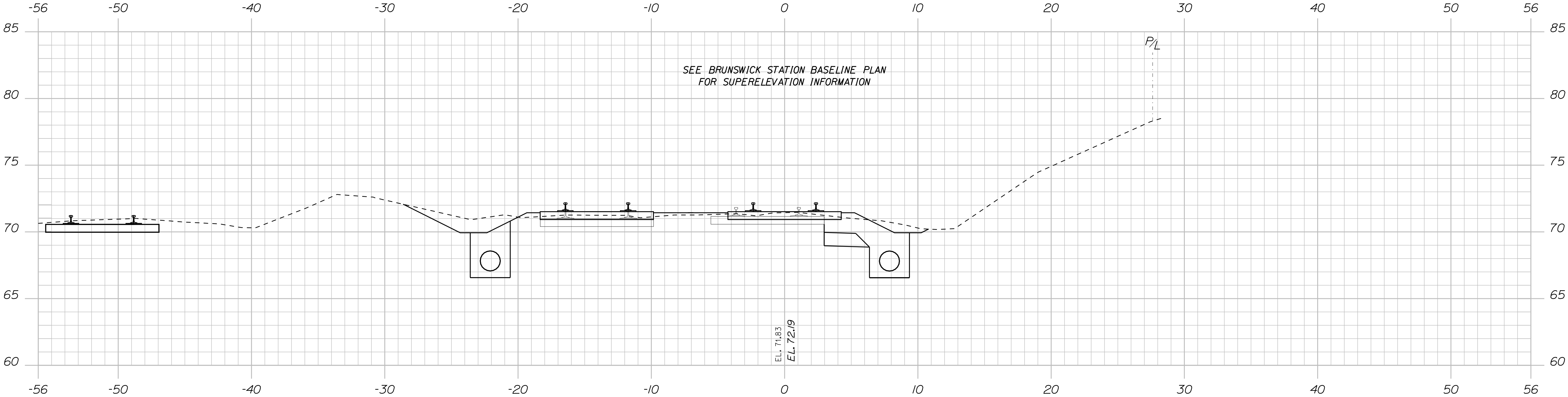
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Division: HIGHWAY

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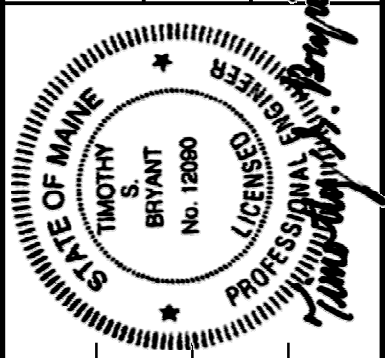


1525+00.00



1524+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
15236	
PIN 15236.00	



SIGNATURE	DATE
P.E. NUMBER	DATE

PROJ. MANAGER	BY	DATE
CHECKED-REVIEWED	J. Berdyk	08/24/10
DESIGN-DETAILED		
DESIGN-REVIEWED		
DESIGN-DETAILED		
REVISIONS 1		
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FIELD CHANGES		

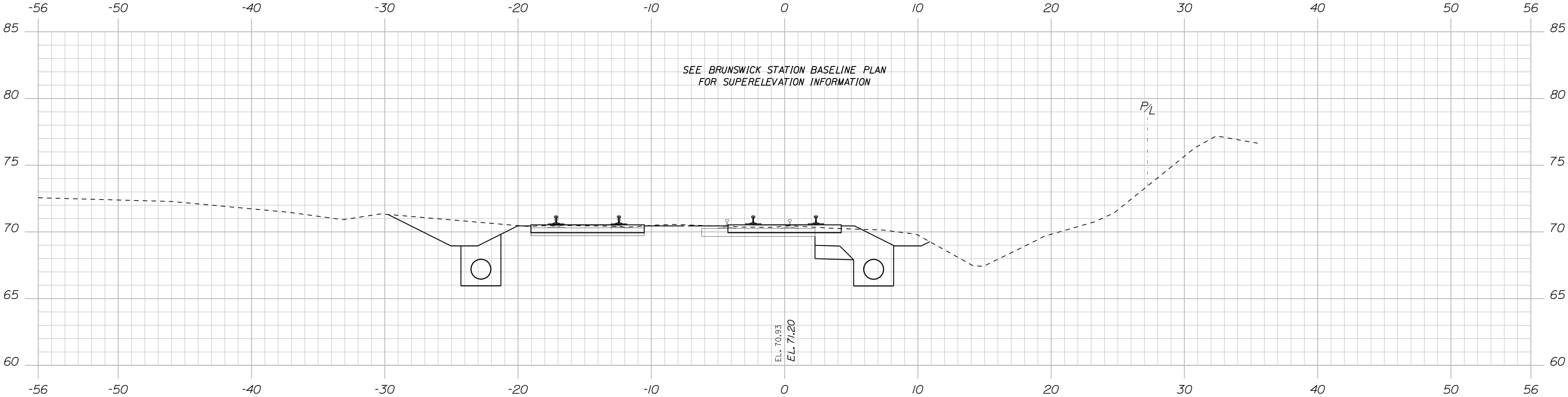
Brunswick
BRUNSWICK STATION CROSS SECTIONS

SHEET NUMBER
71
OF 87

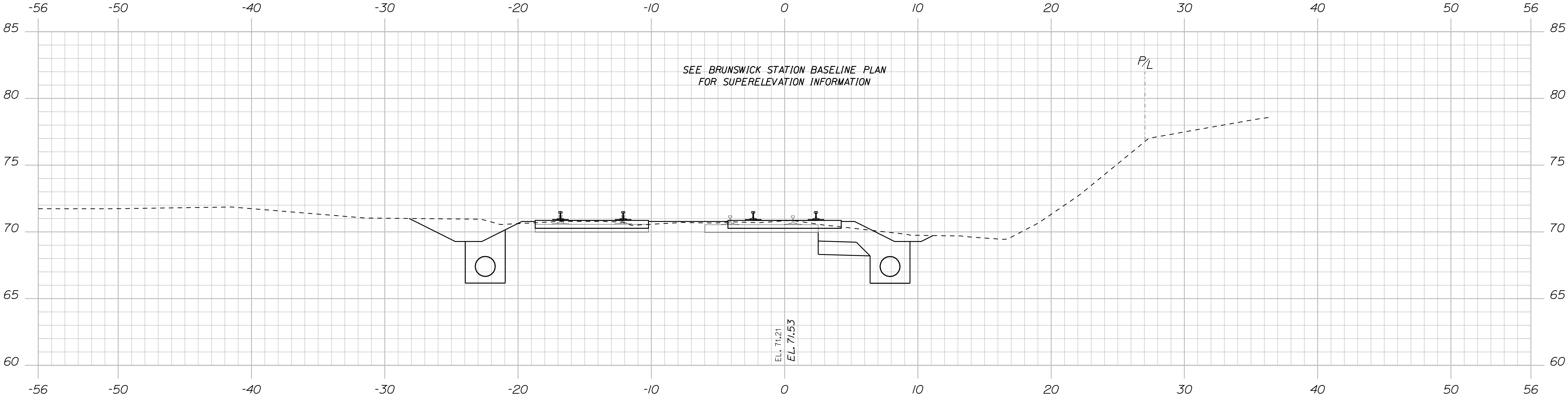
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1526+00.00



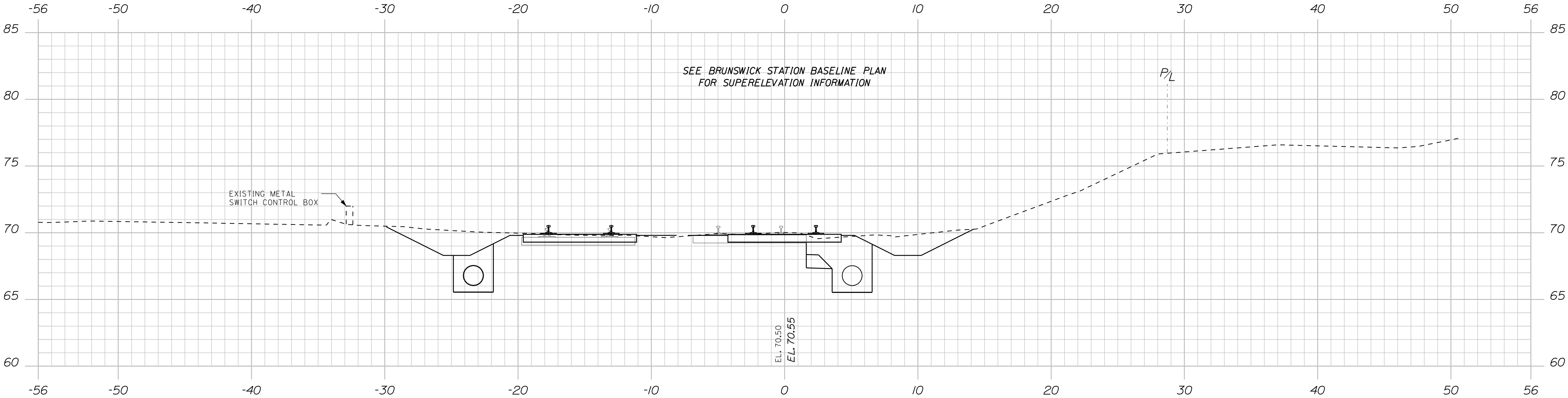
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
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PROJ. MANAGER		BY	DATE	DATE	
CHECKED-REVIEWED	R. Corey	J. Bryant	08/24/10		
DESIGN-DETAILED					
DESIGN-REVIEWED					
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DESIGN-DETAILED					
SHEET NUMBER		72			
OF 87					

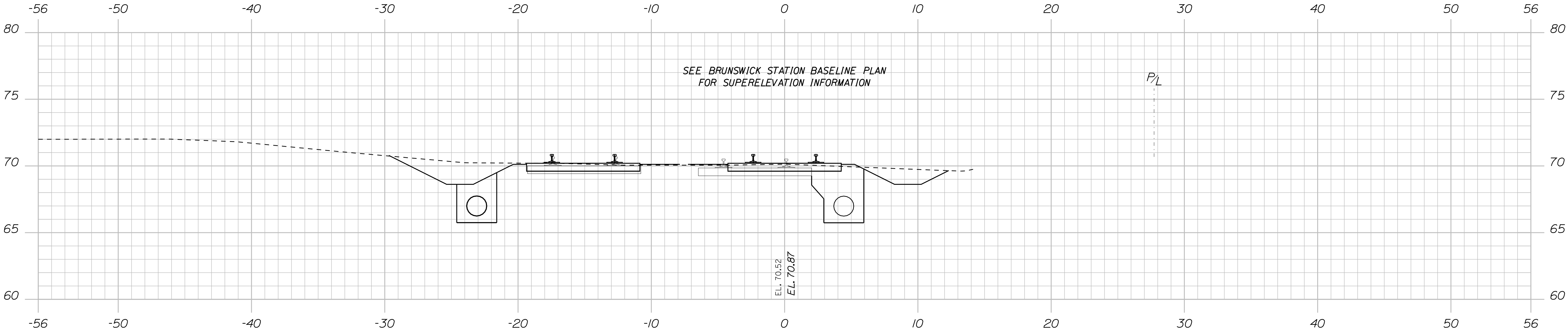
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1527+00.00

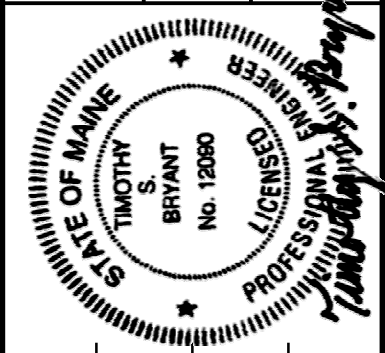


1526+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Berdyk	DATE	08/24/10
CHECKED-REVIEWED	M. Boonstra				
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

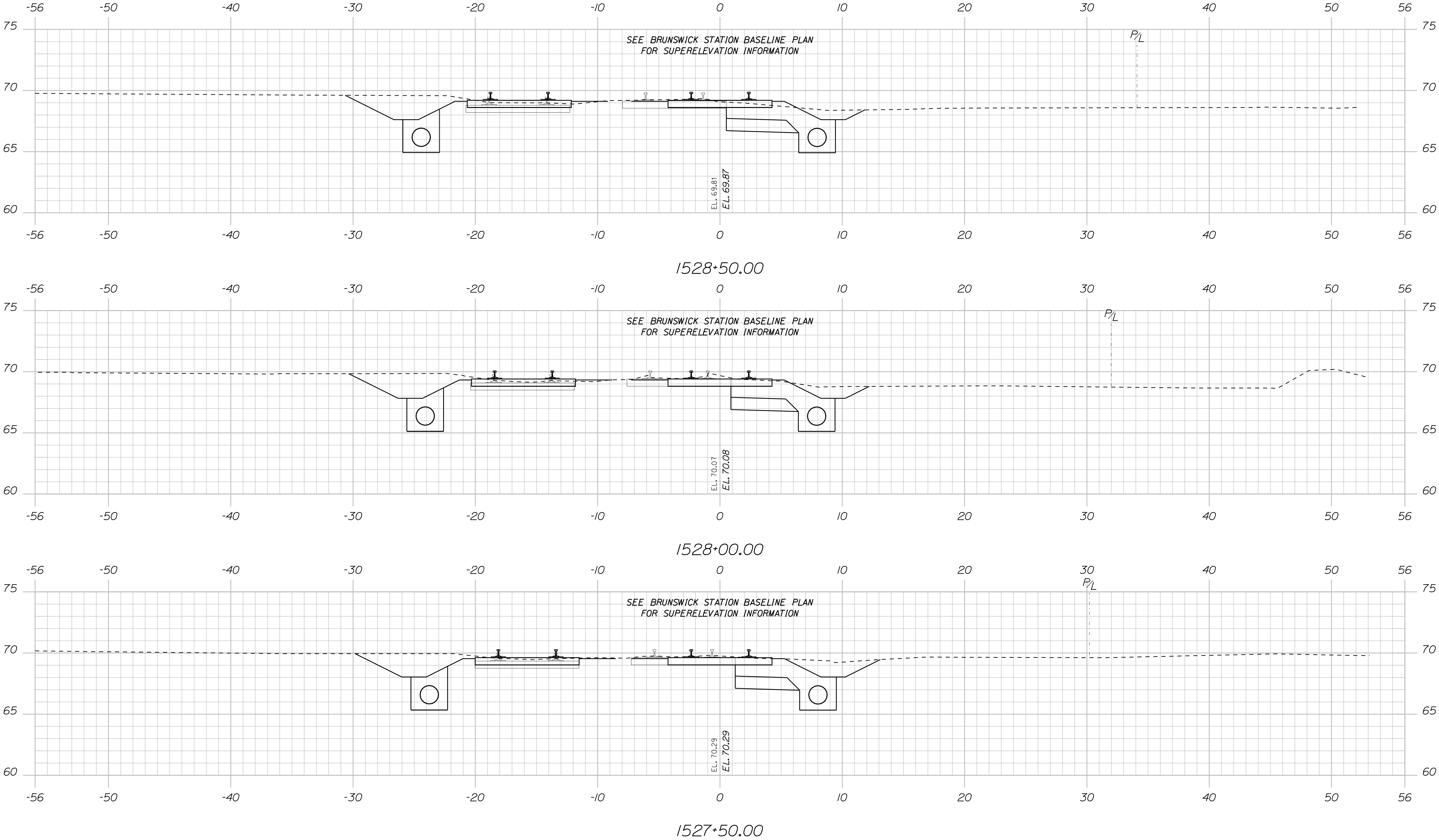
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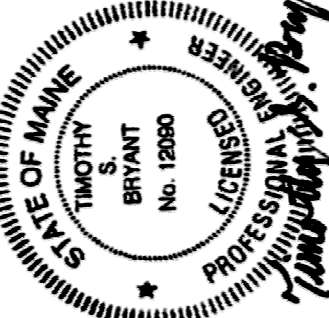
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Date:8/24/2010

Username: common

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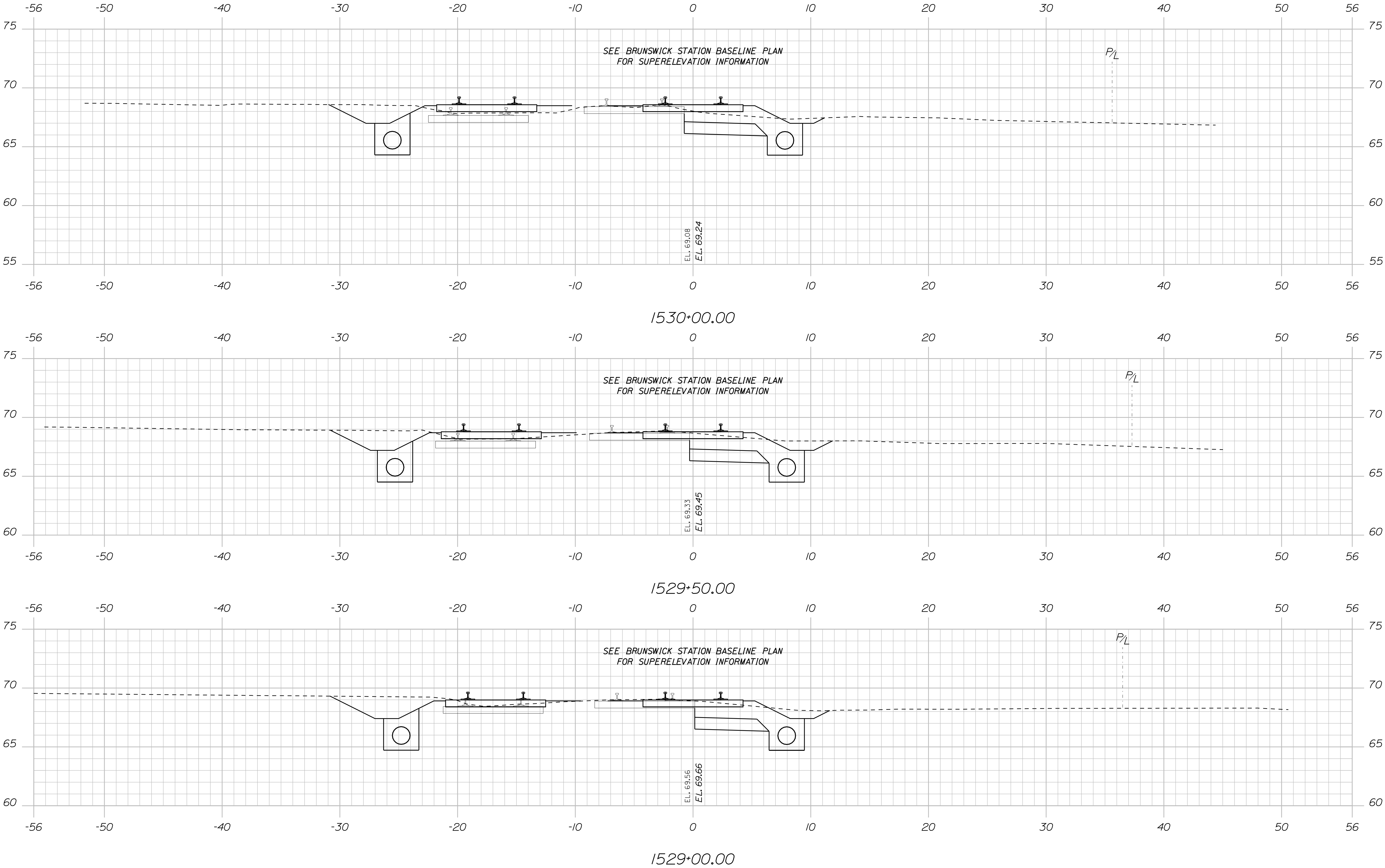


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
PROJ. MANAGER		BY		DATE	
DESIGN-REVIEWED		R. Corey		08/24/10	
DESIGN-DETAILED		M. Boonstra			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		74			
		OF 87			

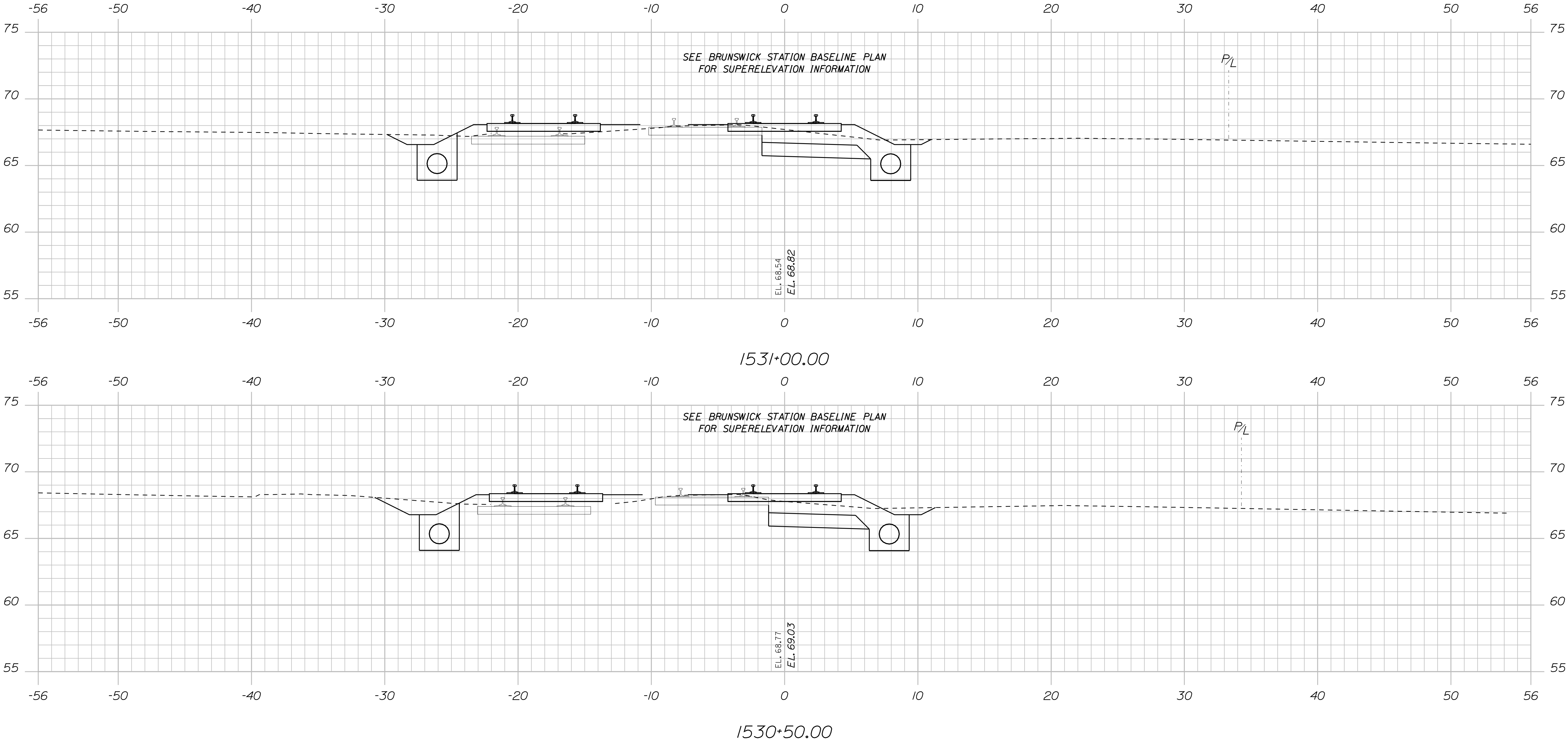
Date:8/24/2010

Username: common

Filename: ... \MSTA\075_XSECT_1529+00_015.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		R. Corey		08/24/10	
CHECKED-REVIEWED		M. Boonstra			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		75			
		OF 87			



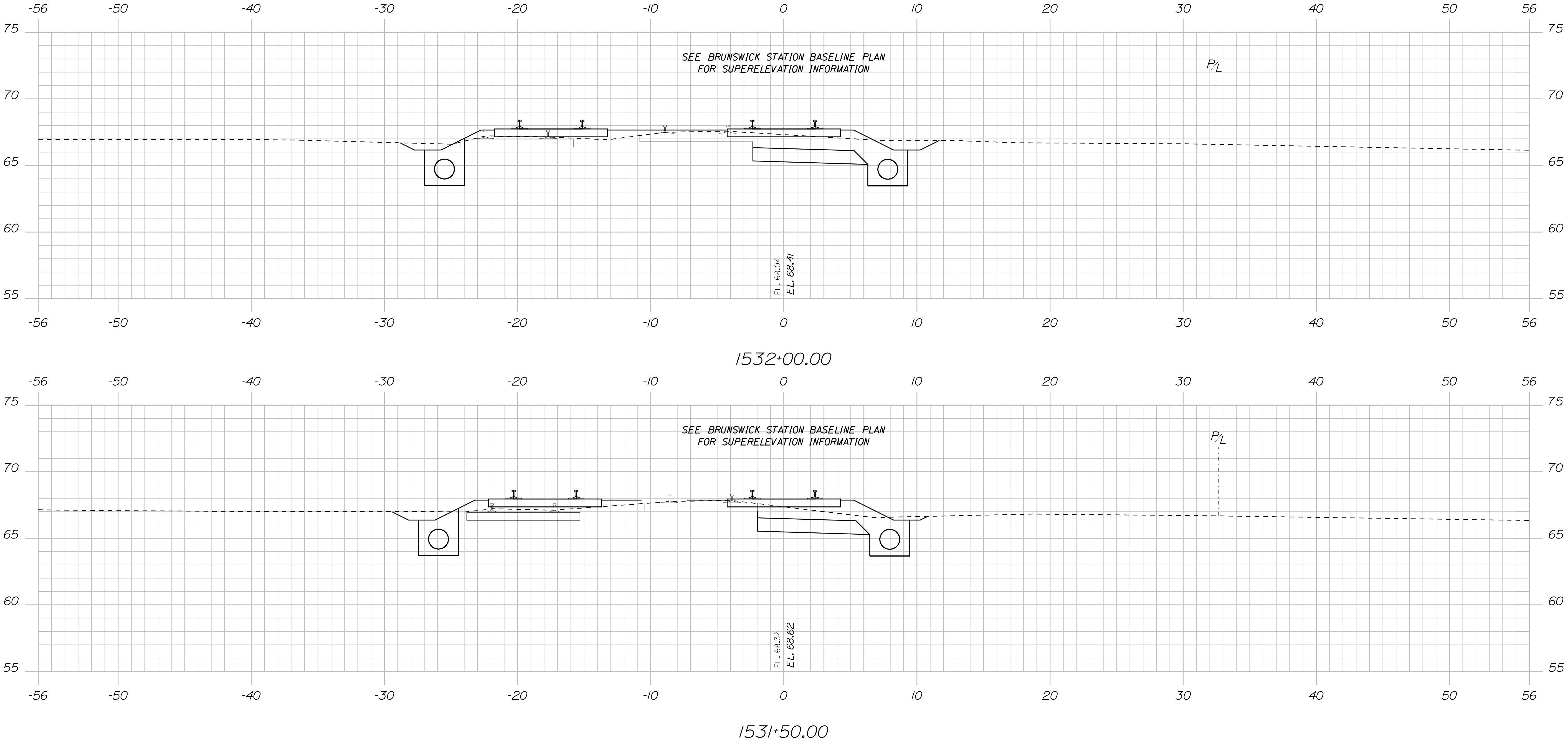
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER
76
OF 87

Sta. 1530+50.00 to Sta. 1531+00.00



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		BY		DATE	
PROJ. MANAGER		R. Corey		J. Bryant	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

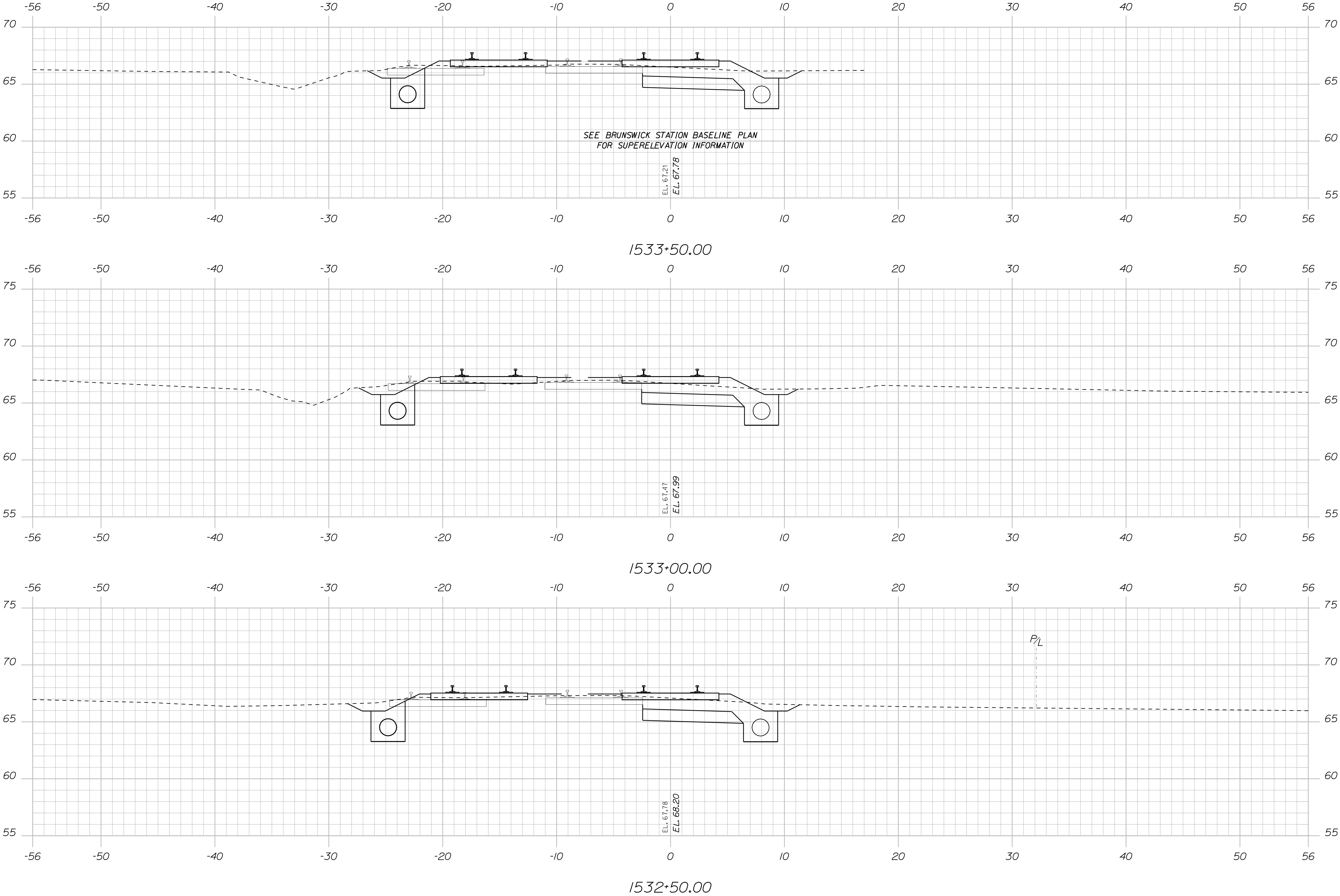
77

OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTA078_XSECT_1532+50_018.dgn Division: HIGHWAY

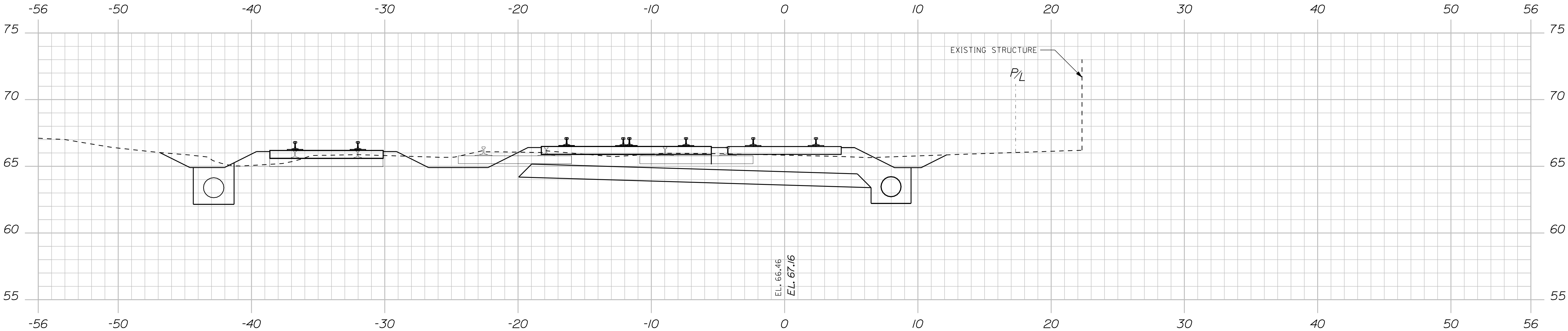


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
PROF. ENGINEER TIMOTHY S. BRYANT No. 12600		DATE		DATE	
PROJ. MANAGER		BY		DATE	
R. Corey		J. Bryant		08/24/10	
DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED	
DESIGN-DETAILED		DESIGN-DETAILED		DESIGN-DETAILED	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		REVISIONS 5		REVISIONS 6	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
Brunswick		BRUNSWICK STATION CROSS SECTIONS		SHEET NUMBER 78 OF 87	

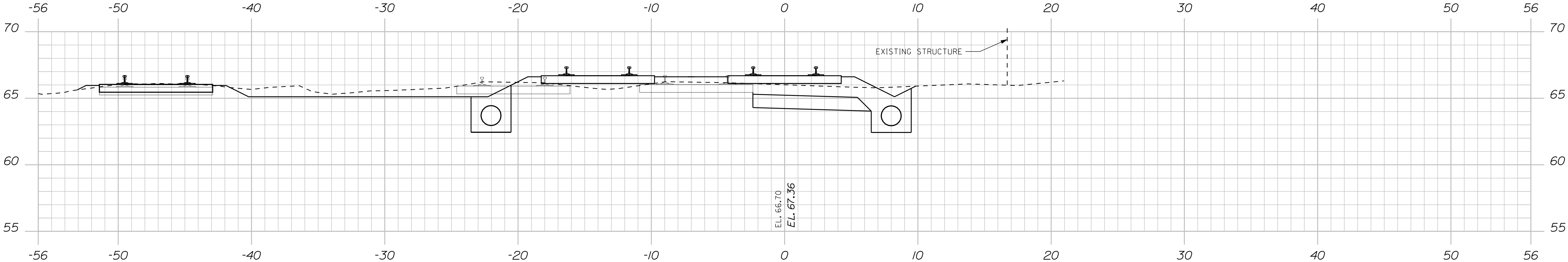
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Username: common

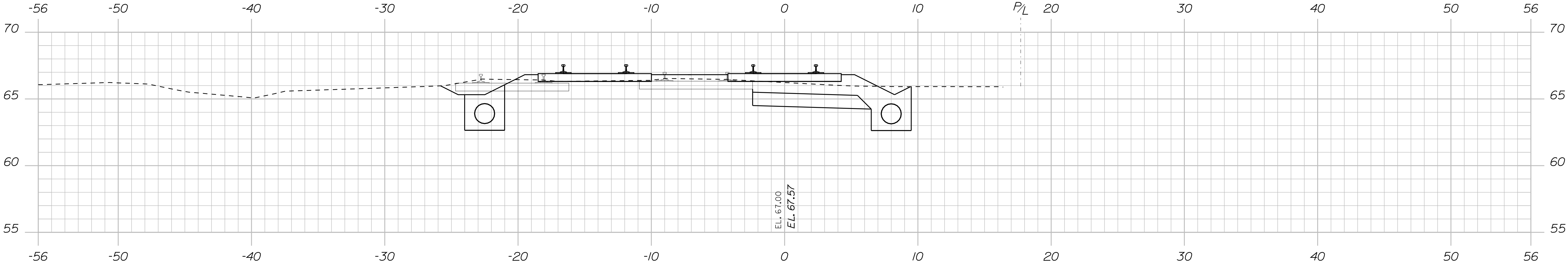
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1535+00.00



1534+50.00

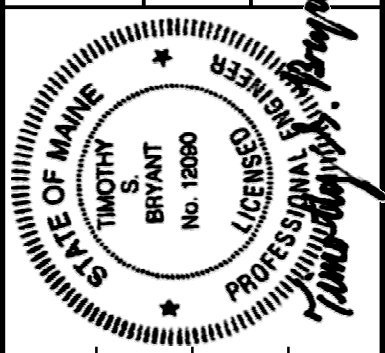


1534+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. Corey	BY	J. Berdyk	DATE	08/24/10
CHECKED-REVIEWED	M. Boonstra				
DESIGN-DETAILED					
DESIGN-REVIEWED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

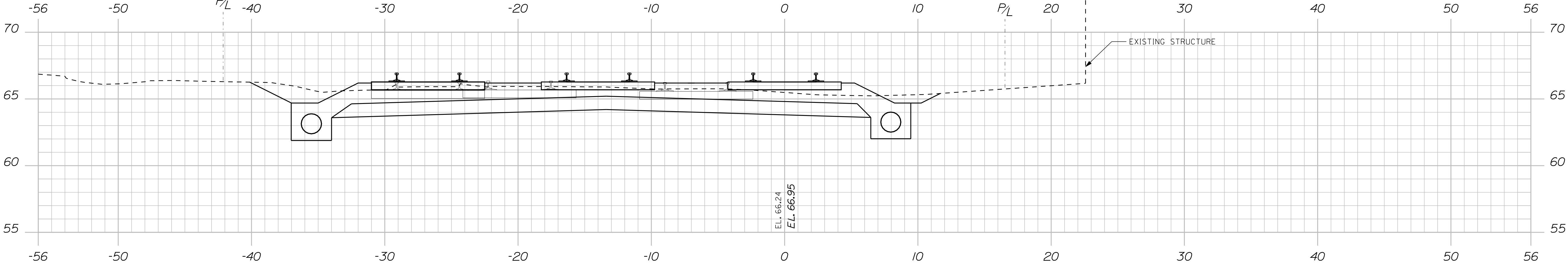
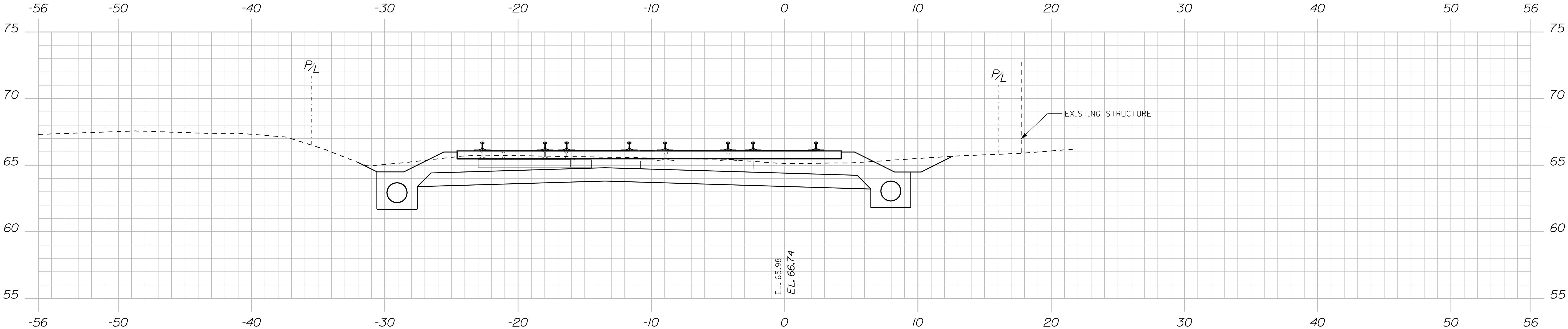
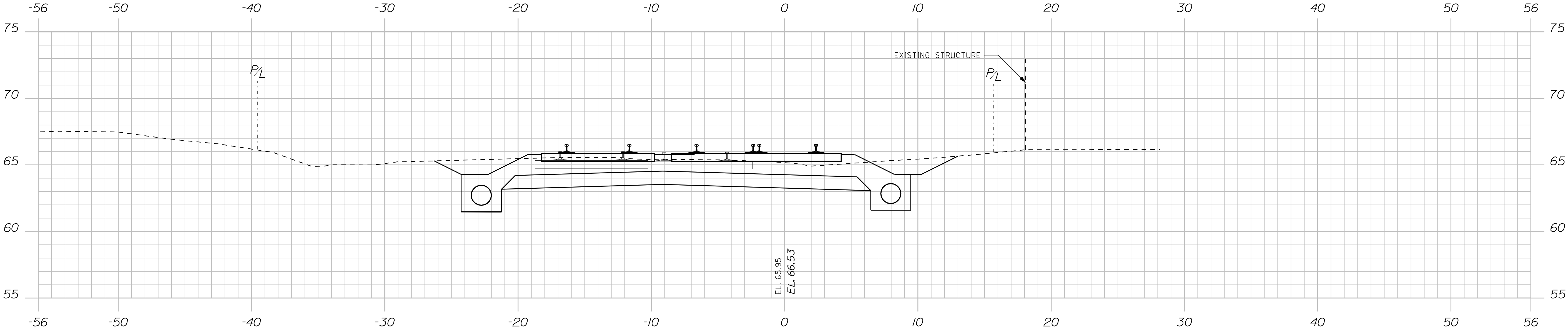
79

OF 87

Date:8/24/2010

Username: common

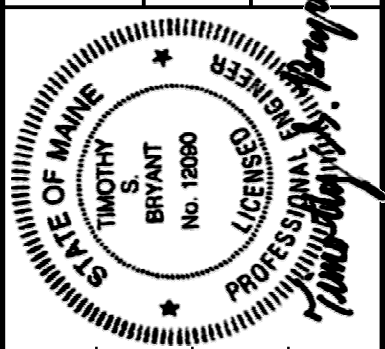
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

15236

PIN
15236.00



SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	BY	DATE
R. Corey	J. Boudry	08/24/10
CHECKED-REVIEWED		
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

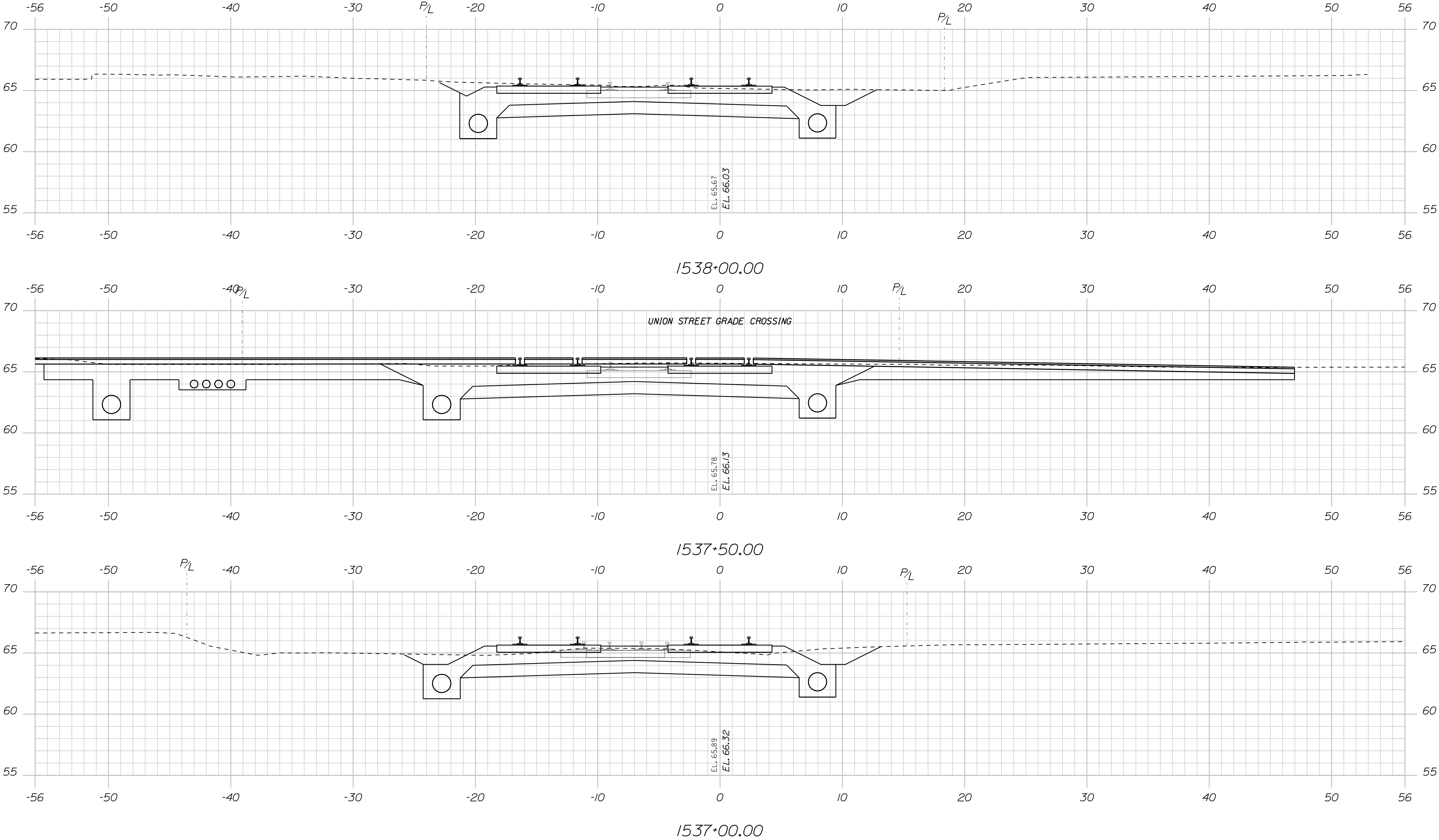
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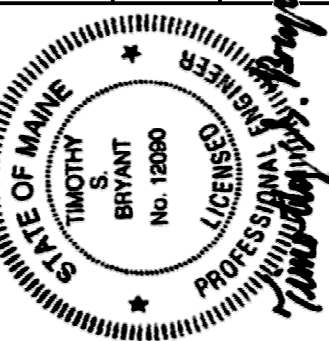
OF 87

Date:8/24/2010

Username: common

Filename: ... \MSTA081_XSECT_1537+00_021.dgn Division: HIGHWAY



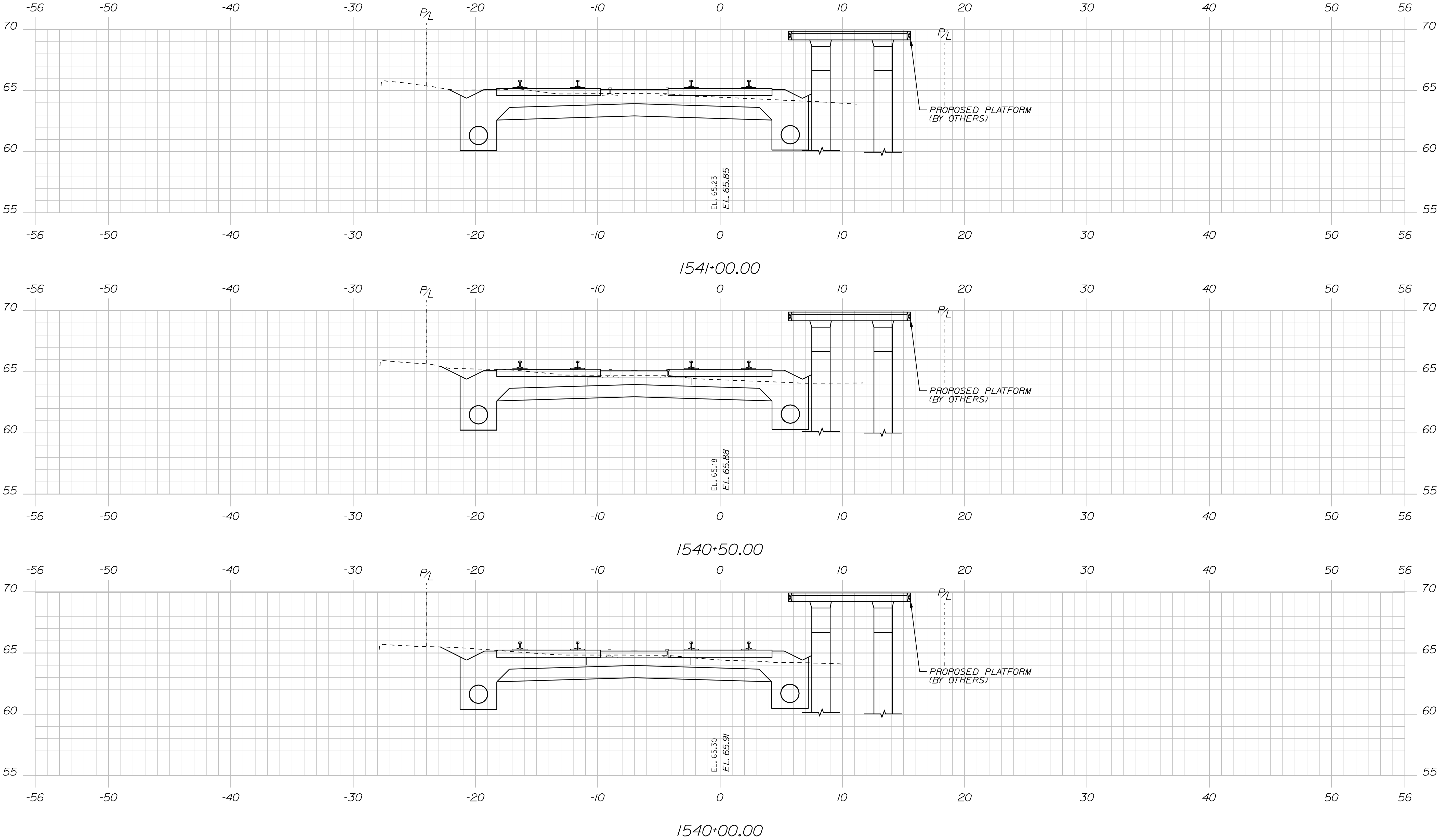
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
PROJ. MANAGER		BY		DATE	
DESIGN-REVIEWED		R. Corey		08/24/10	
DESIGN-REVIEWED		M. Boonstra			
DESIGN-REVIEWED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		81			
		OF 87			



Date:8/24/2010

Username: common

Filename: ... \MSTAD083_XSECT_1540+00_023.dgn Division: HIGHWAY

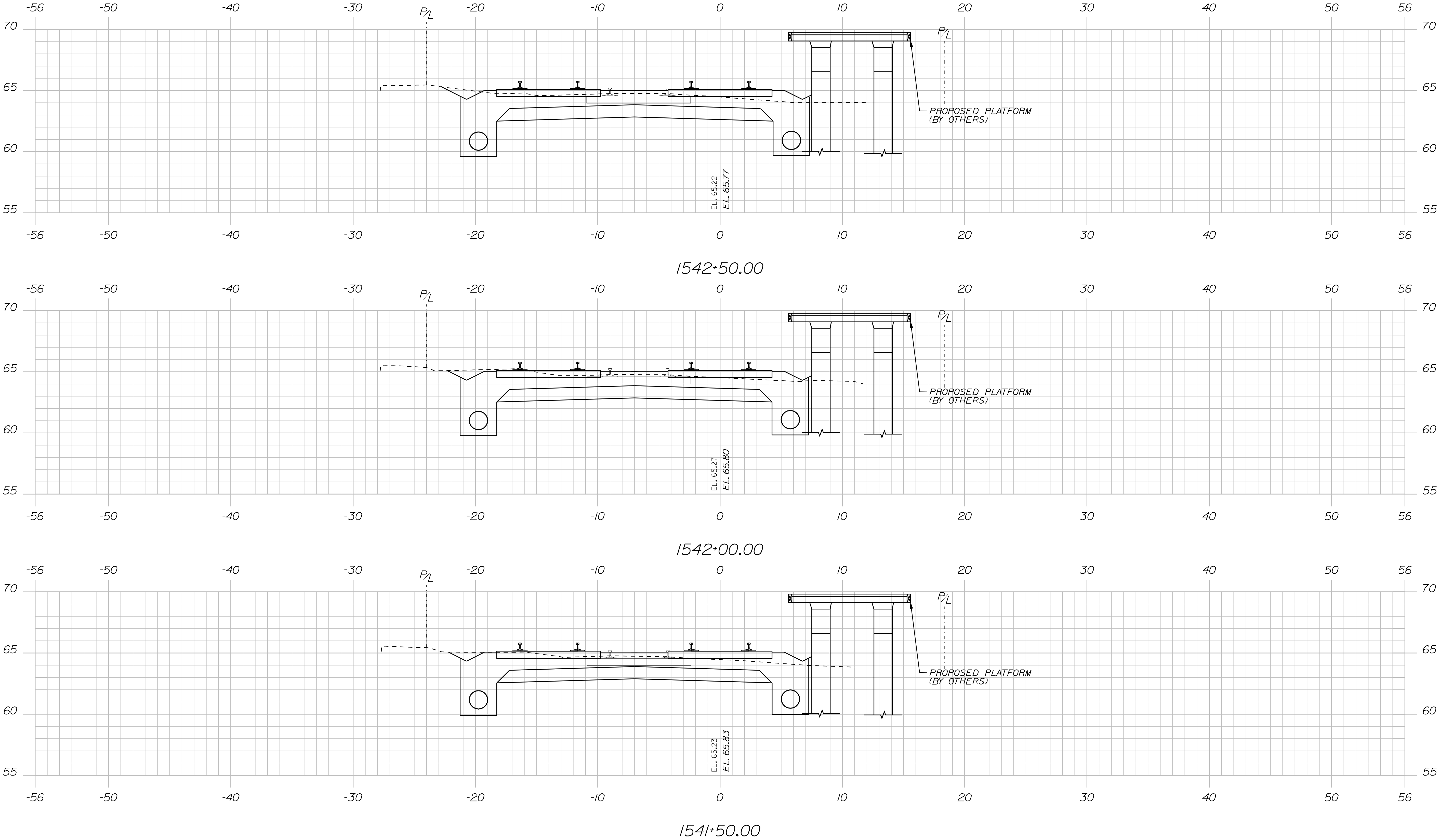


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		J. Berdyk			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		83			
		OF 87			

Date:8/24/2010

Username: common

Filename: ... \MSTAD084_XSECT_1541+50_024.dgn Division: HIGHWAY

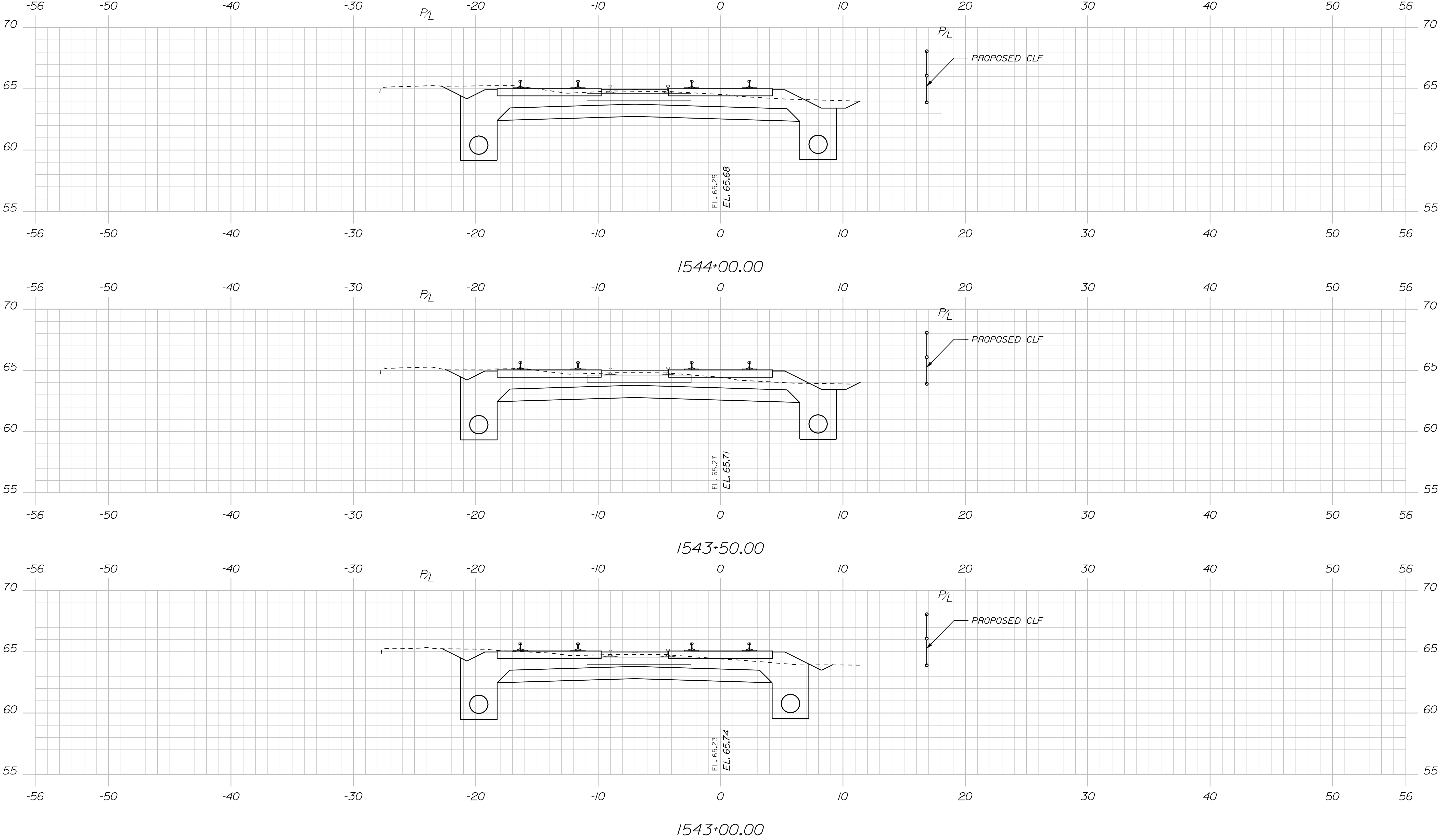


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		M. Boonstra		08/24/10	
CHECKED-REVIEWED		J. Berdyk			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		84			
		OF 87			

Date:8/24/2010

Username: common

Filename: ... \MSTAD085_XSECT_1543+00_025.dgn Division: HIGHWAY



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
DATE		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		R. Corey		08/24/10	
CHECKED-REVIEWED		M. Boonstra		J. Berdyk	
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

Brunswick

BRUNSWICK STATION
CROSS SECTIONS

SHEET NUMBER

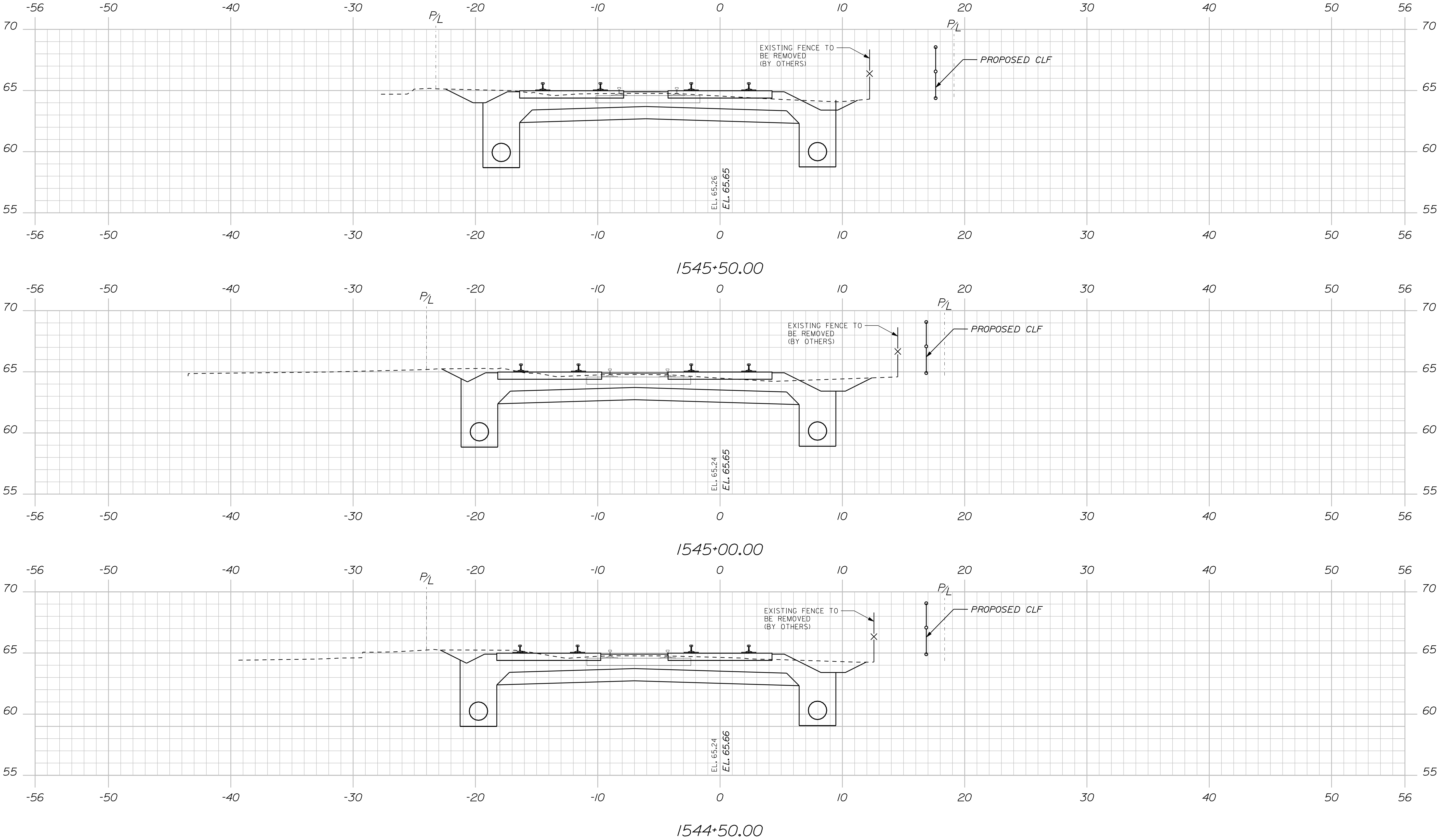
85

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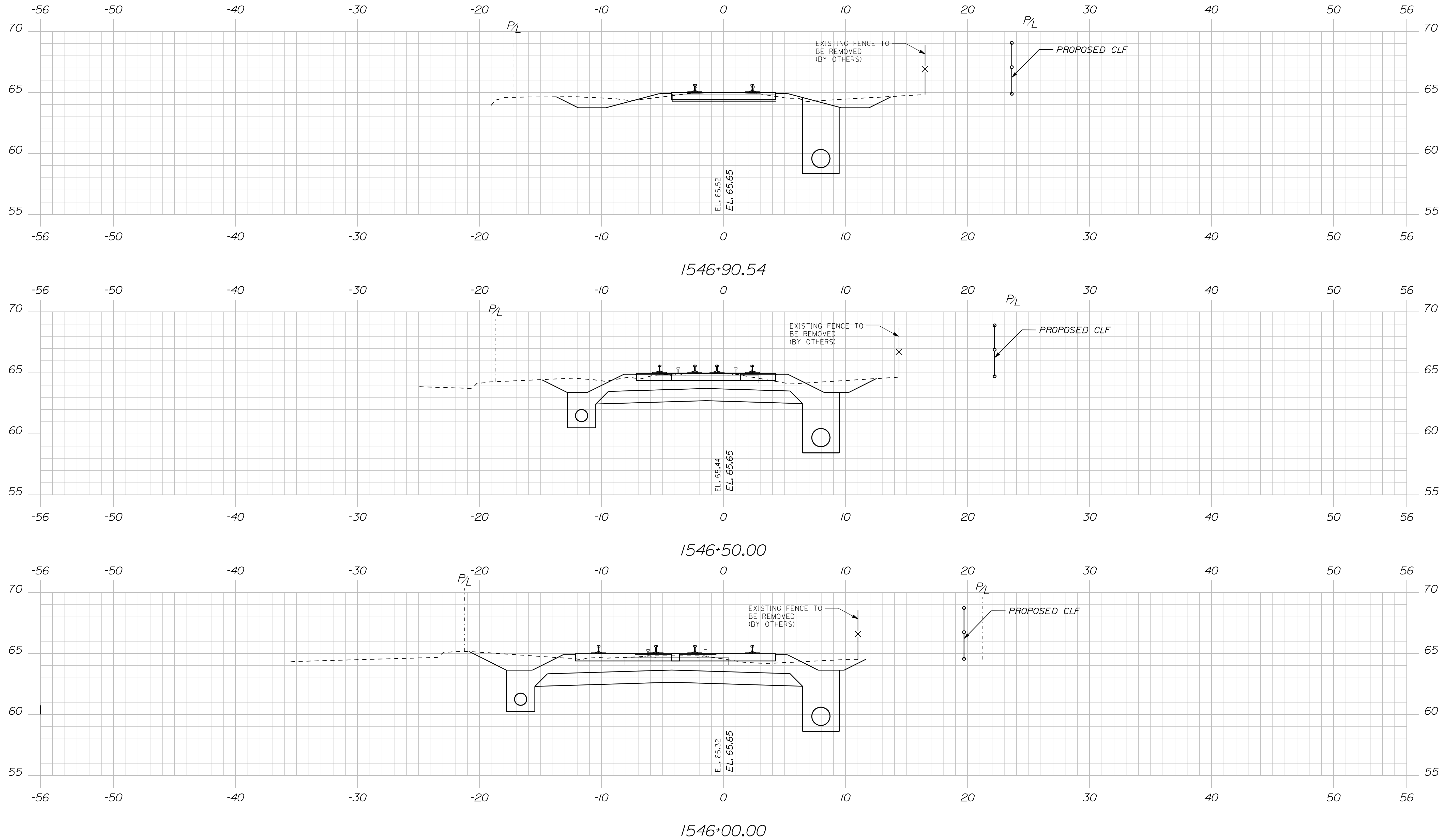
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		15236		PIN 15236.00	
		SIGNATURE		P.E. NUMBER	
PROFESSIONAL TIMOTHY BRYANT No. 1280		DATE		DATE	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		R. Corey		08/24/10	
CHECKED-REVIEWED		J. Berdyk			
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
Brunswick		BRUNSWICK STATION CROSS SECTIONS			
SHEET NUMBER		86			
		OF 87			

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