STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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Profile 8,9
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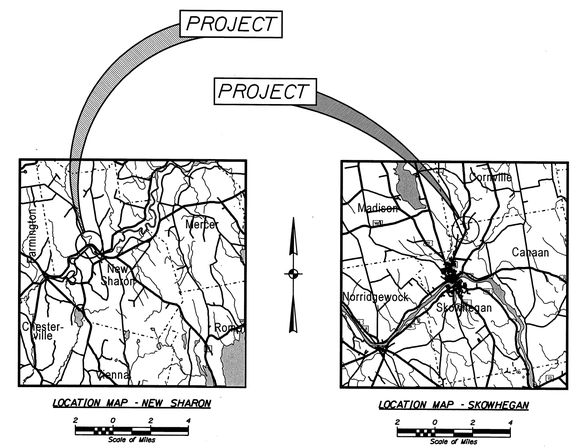
Highway Approach Cross - Sections 11-25
Right of Way Map 26,27

NEW SHARON
FRANKLIN COUNTY
MUDDY BROOK BRIDGE
OVER
MUDDY BROOK
MAIN STREET
PROJECT NO. BH-1671(900)X
PROJECT LENGTH 0.000 mi.
BRIDGE REMOVAL
BRIDGE NO. 2549

-AND-

SKOWHEGAN
SOMERSET COUNTY
OLD SMITH POND BRIDGE
OVER
W. BRANCH, WESSERUNSETT STREAM
HILTON HILL ROAD
PROJECT NO. BH-1674(800)X
PROJECT LENGTH 0.095 mi.
BRIDGE REMOVAL
BRIDGE NO. 2777



SCOPE OF WORK

NEW SHARON - Removal of Muddy Brook Bridge over Muddy Brook.

SKOWHEGAN - Removal of the Old Smith Pond Bridge over West Branch of the Wesserunsett Stream. Construct new section of Hilton Hill Road to intersect Route 150 north of New Smith Pond Bridge over West Branch of the Wesserunsett Stream.

UTILITIES - NEW SHARON

Central Maine Power Company — Argent Communications
Northern New England Telephone Operations

MAINTENANCE OF TRAFFIC - NEW SHARON

Muddy Brook Bridge has already been closed to traffic.

UTILITIES - SKOWHEGAN

Central Maine Power Company — Bee Line Cable TV
Northern New England Telephone Operations

MAINTENANCE OF TRAFFIC - SKOWHEGAN

Old Smith Pond Bridge will remain open during construction of the new section of Hilton Hill Road. Upon completion of the new road the bridge will be closed and removed.

PIN 16719.00
PIN 16748.00

BH-1671(900)X
BH-1674(800)X

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED	DATE
COMMISSIONER:	4/12/11
CHIEF ENGINEER:	4/11/11

STATE OF MAINE — Stephen Bridge II — 16925 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE	
P.E. NUMBER	16925
DATE	4/11/11

PROJECT INFORMATION

PROGRAM	BRIDGE
PROJECT MANAGER	STEVE BODGE
DESIGNER	BRIAN REEVES
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

NEW SHARON
MUDDY BROOK BRIDGE

TITLE SHEET

SHEET NUMBER
1
OF 27

Filename:\00\BRIDGE\MSTA\001_Title.dgn Division: BRIDGE Username: brian.j.nichols Date:4/11/2011

ESTIMATED QUANTITIES					
ITEM NO.	DESCRIPTION	QTY. 16719.00	QTY. 16748.00	TOTAL QTY.	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY		2	2	EA
201.24	REMOVING STUMP		2	2	EA
202.127	REMOVE EXISTING BITUMINOUS PAVEMENT	100	420	1	LS
202.19	REMOVING EXISTING BRIDGE	400 CY	370 CY	1	LS
203.20	COMMON EXCAVATION	20	4800	4820	CY
203.24	COMMON BORROW	10	10	20	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL		1500	1500	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE		180	180	T
403.209	HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)		5	5	T
403.213	HOT MIX ASPHALT 12.5 MM BASE		170	170	T
409.15	BITUMINOUS TACK COAT - APPLIED		40	40	G
502.341	STRUCTURAL CONCRETE ROADWAY MEDIAN		1	1	CY
511.07	COFFERDAM: PIER NO. 2	1		1	LS
511.07	COFFERDAM: PIER NO. 3	1		1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE 1		60 LF	1	LS
603.16	15 INCH CULVERT PIPE OPTION I		104	104	LF
603.17	18 INCH CULVERT PIPE OPTION I		26	26	LF
603.219	36 INCH CULVERT PIPE OPTION III		80	80	LF
604.092	CATCH BASIN TYPE BI-C		2	2	EA
605.13	18 INCH UNDERDRAIN TYPE C		170	170	LF
606.1722	BRIDGE TRANSITION - TYPE 2		1	1	EA
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	50	62.5	112.5	LF
606.232	GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS		50	50	LF
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	4	2	6	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER		2	2	EA
606.369	GUARDRAIL REMOVED AND STACKED		150	150	LF
606.78	LOW VOLUME GUARDRAIL ENDS - TYPE 3		1	1	EA
609.31	CURB TYPE 3		190	190	LF
610.08	PLAIN RIPRAP	240	320	560	CY
610.18	STONE DITCH PROTECTION		260	260	CY
613.319	EROSION CONTROL BLANKET	50	50	100	SY
615.07	LOAM	10	120	130	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	1	19	20	UN
619.1201	MULCH - PLAN QUANTITY	1	19	20	UN
619.1401	EROSION CONTROL MIX	40	240	280	CY
620.58	EROSION CONTROL GEOTEXTILE	300	440	740	SY
627.733	4 INCH WHITE OR YELLOW PAINTED PAVE MRK LINE		1030	1030	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING		12	12	SF
629.05	HAND LABOR, STRAIGHT TIME	40	40	80	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	20	40	HR
631.15	ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	20	20	40	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	20	40	HR
639.19	FIELD OFFICE TYPE B	.5	.5	1	EA
645.116	REINSTALL REGULATORY, WARN, CONFIRM. & RTE. ASSEMBLY SIGN		3	3	EA
645.271	REGULATORY, WARN, CONFIRM. & RTE. ASSEMBLY SIGN - TYPE 1	20	30	50	SF
652.31	TYPE 1 BARRICADE	10	10	20	EA
652.312	TYPE III BARRICADE		4	4	EA
652.33	DRUM		10	10	EA
652.34	CONE		20	20	EA
652.35	CONSTRUCTION SIGNS		200	200	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES		120 CD	1	LS
652.38	FLAGGER		40	40	HR
656.64	BOOM SUPPORTED FLOATING SILT FENCE		240	240	LF
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	1	1	LS
659.10	MOBILIZATION	1	1	1	LS
834.322	DRY HYDRANT - INSTALL ONLY		1	1	LS

GENERAL CONSTRUCTION NOTES

1. For easements, construction limits and right of way lines, refer to Right of Way Map.

2. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.

3. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

4. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.

5. In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.

6. Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.

7. Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619. Mulch. Payment will be made under Item No. 619.1401, Erosion Control Mix.

8. Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the top of the riprap and behind the wingwalls.

9. Guardrail posts as shown in the Standard Details shall be modified from the indicated length of 6 feet to a length of 7 feet with an embedment of 4.5 feet. Payment will be considered incidental to the guardrail pay items.

10. A Low Volume Guardrail End shall be installed concurrently with the placement of each section of beam guardrail.

11. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

12. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php.

13. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.

14. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:

a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.

b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.

c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.

15. The Contractor shall submit a Bridge Demolition Plan to the Resident at least 10 business days prior to the start of demolition work. The plan shall outline the methods and equipment to be used to remove and dispose of all materials included in the existing bridge. No work related to the removal of the bridge shall be undertaken by the Contractor until MaineDOT has reviewed the Bridge Demolition Plan for appropriateness and completeness. Payment for all work necessary for developing, submitting and finalizing the Demolition Plan will be considered incidental to the bridge removal pay item.

16. The existing bridge shall be removed by and become the property of the Contractor. The steel portions of the existing bridge are coated with a lead-based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead-contaminated hazardous waste generated by the process of demolishing the bridge. The Contractor is responsible for implementing appropriate OSHA mandated personal protection standards related to this process. Once the existing bridge is removed, the Contractor is solely responsible for the care, custody and control of the components of the existing bridge and any hazardous waste generated as a result of the storage, recycling or disposal of the bridge components, including lead-coated steel. The Contractor shall recycle or reuse the steel in accordance with the Maine Department of Environmental Protection's "Maine Hazardous Waste Management Regulations," Chapter 850. A copy of this regulation is available at MaineDOT's offices on Child Street in Augusta. Payment for all labor, materials, equipment and other costs required to remove and dispose of the existing bridge will be considered incidental to the bridge removal pay item.

17. On Hilton Hill Road in Skowhegan, three drain outlets are present in, or in the vicinity of the project limits. Their approximate locations are as follows:

Sta. 13+00± - 34' Left
Sta. 13+89± - 20' Left
Sta. 14+25± - 17' Left

Care must be taken to not damage the two drain outlets located at Sta. 13+00 and Sta. 13+89. The drain outlet located at Sta. 14+25 shall be shortened so that it outlets in the backslope. Payment for modification of drain outlet shall not be made directly, but shall be considered incidental to related contract items.

18. Guardrail on the Northeast corner of the New Smith Pond Bridge on Route 150 and the Bridge Mounted Guardrail in New Sharon shall be removed and stacked in accordance with Special Provision Section 606. Payment shall be made under Item No. 606.369. Guardrail adjacent to Old Smith Pond Bridge on Hilton Hill Road in Skowhegan, or Muddy Brook Bridge on Main Street in New Sharon, shall be removed in its entirety and become property of the Contractor. This work shall not be paid for directly, but shall be considered incidental to related contract items.

19. The shoulder pavement on Route 150 from the northeast corner of the bridge, northerly to the end of guardrail shall be removed from the outside edge of the white line out to the edge of pavement. All edges shall be saw-cut. Shoulder shall be re-paved using the surface pavement specified in Special Provision Section 403 to a depth to match what was removed, following all other parameters of that Special Provision.

20. The following signage shall be installed on the Skowhegan project.

Qty.	MUTCD No.	Description	Location
2	R4-1	Do Not Pass	Route 150
1	W3-1a	Stop Ahead	Hilton Hill Road

Signage removed from the current intersection shall be reset at the new intersection. Final location shall be determined by the Resident with direction from the Regional Traffic Engineer. Additionally, approx. 500' of centerline on Route 150 shall be restriped to double yellow. Exact limits shall be derermined in the field by the Resident with direction from the Regional Traffic Engineer. Payment for new signage shall be made under Item No. 645.271, Regulatory, Warning, Confirmation and Route Assembly Sign. Payment for resetting current signage shall be made under Item No. 645.116, Reinstall Regulatory, Warning, Confirmation and Route Assembly Sign

21. The following signage shall be installed on the New Sharon project.

Qty.	MUTCD No.	Description	Location
6	OM1-1	Object Markers	3 @ ea. end of bridge

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1671(900)X & BH-1674(800)X

BRIDGE NO. 2549 & 2777 PIN 16719.00 & 16748.00 BRIDGE PLANS

PROJ. MANAGER	SB	BY	DATE	
DESIGN-DETAILED	B,R	B,JN		SIGNATURE
CHECKED-REVIEWED	-----	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----	P.E. NUMBER
REVISIONS 1	-----	-----	-----	-----
REVISIONS 2	-----	-----	-----	-----
REVISIONS 3	-----	-----	-----	DATE
REVISIONS 4	-----	-----	-----	-----
FIELD CHANGES	-----	-----	-----	-----

BRIDGE REMOVAL PROJECTS
NEW SHARON & SKOWHEGAN
FRANKLIN COUNTY SOMERSET COUNTY

ESTIMATED QUANTITIES

SHEET NUMBER
2
OF 27

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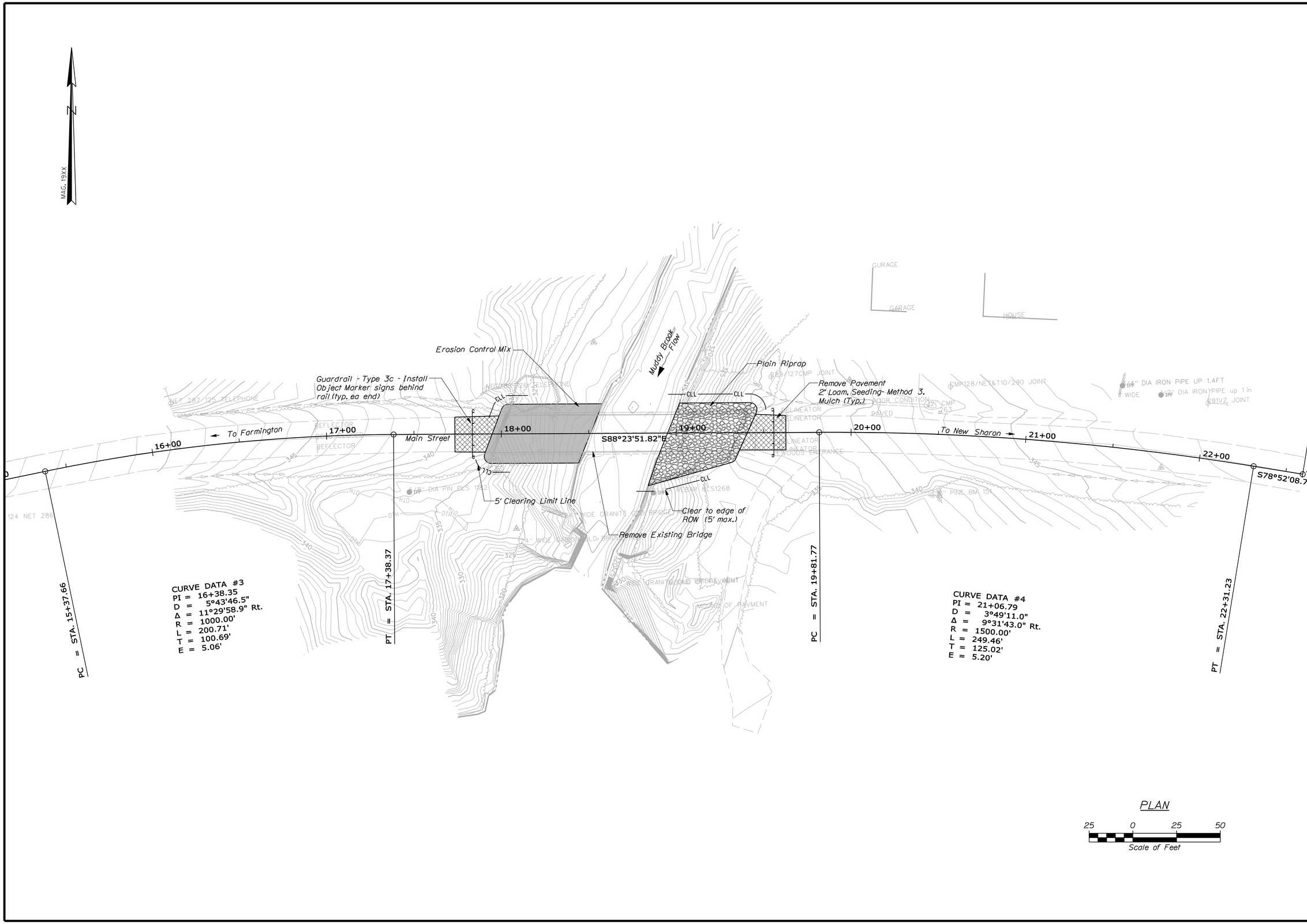


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1671(900)X

PIN 16719.00

BRIDGE NO. 2549 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	SB	
DESIGN-DETAILED	BJR	BJN
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

MUDDY BROOK BRIDGE
MUDDY BROOK
NEW SHARON FRANKLIN COUNTY

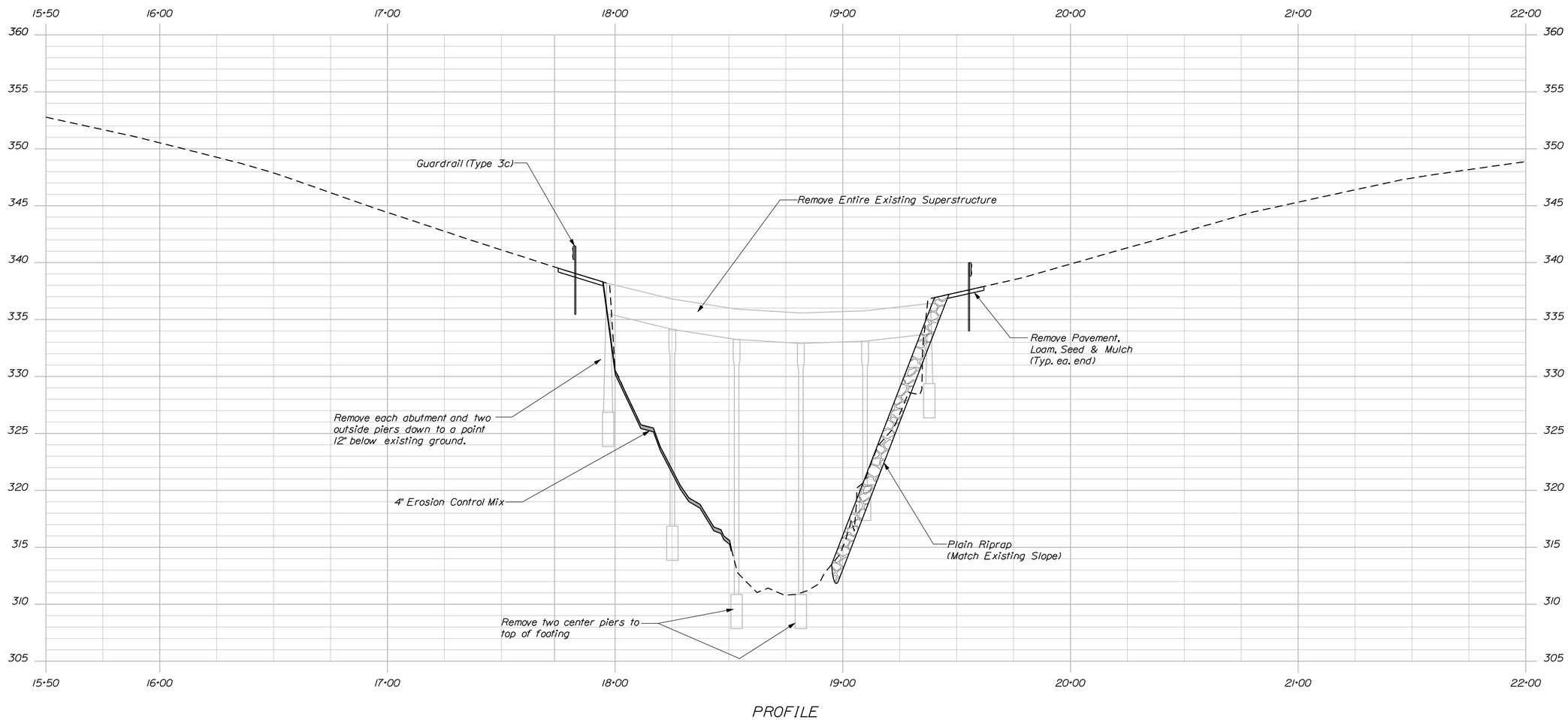
GENERAL PLAN

SHEET NUMBER

3

OF 27

Filename: ...\msto\003_GeneralPlan.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1671(900)X

PIN 16719.00

BRIDGE NO. 2549

BRIDGE PLANS

PROJ. MANAGER	SB	BY	DATE
DESIGN-DETAILED	B.R	B.N	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

MUDDY BROOK BRIDGE
MUDDY BROOK
NEW SHARON FRANKLIN COUNTY

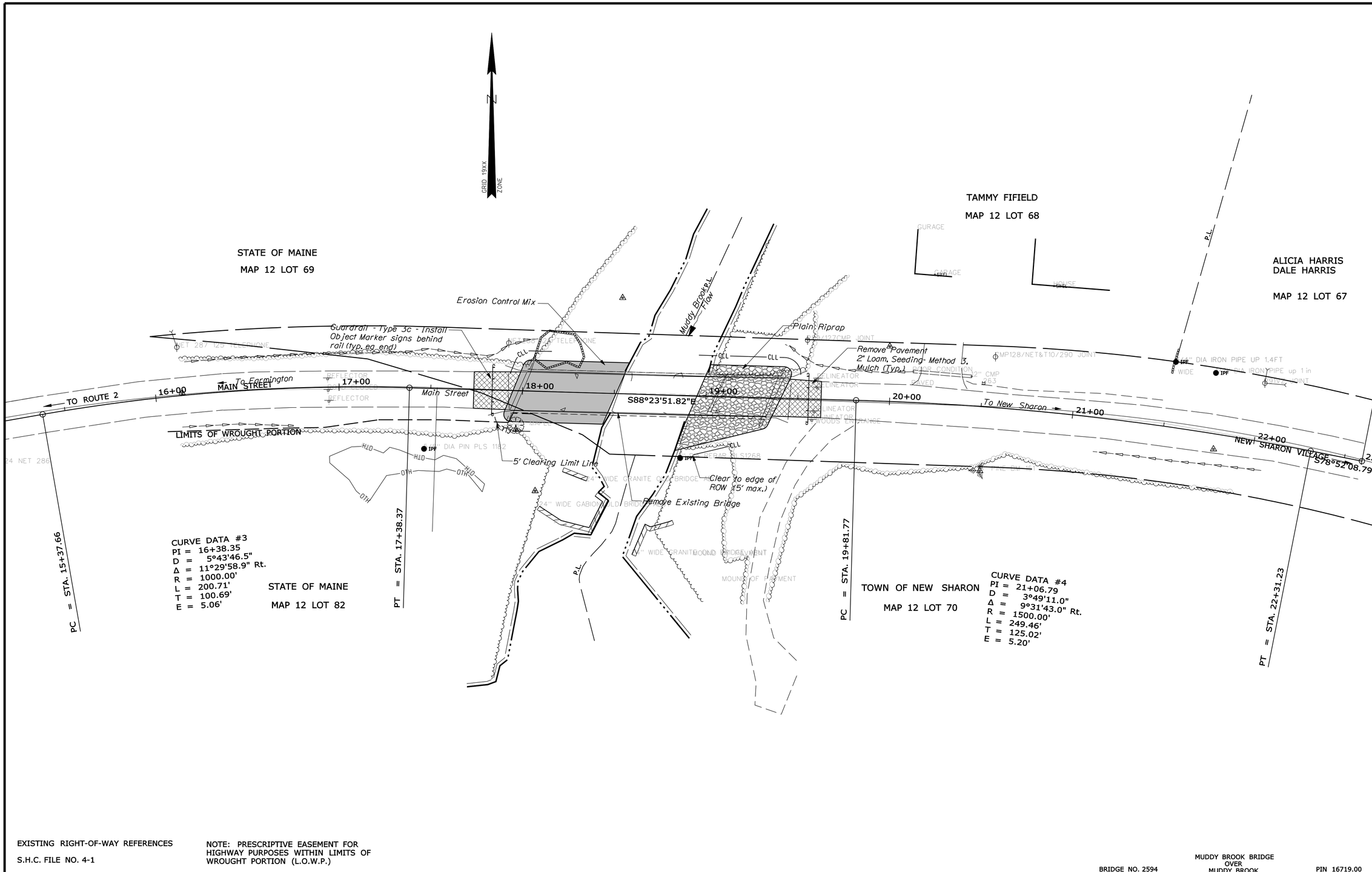
PROFILE

SHEET NUMBER

4

OF 27

Filename: ...\00\BRIDGE\MSTA\004_Profile.dgn Division: BRIDGE Username: brian.j.nichols Date:4/11/2011



EXISTING RIGHT-OF-WAY REFERENCES

S.H.C. FILE NO. 4-1

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

BRIDGE NO. 2594 — MUDDY BROOK BRIDGE OVER MUDDY BROOK — PIN 16719.00

SYMBOLS

- WELL
- GROUNDING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- IP or IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES		
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

NEW SHARON
RIGHT OF WAY MAP

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER

DATE

MAIN STREET

NEW SHARON — FRANKLIN COUNTY

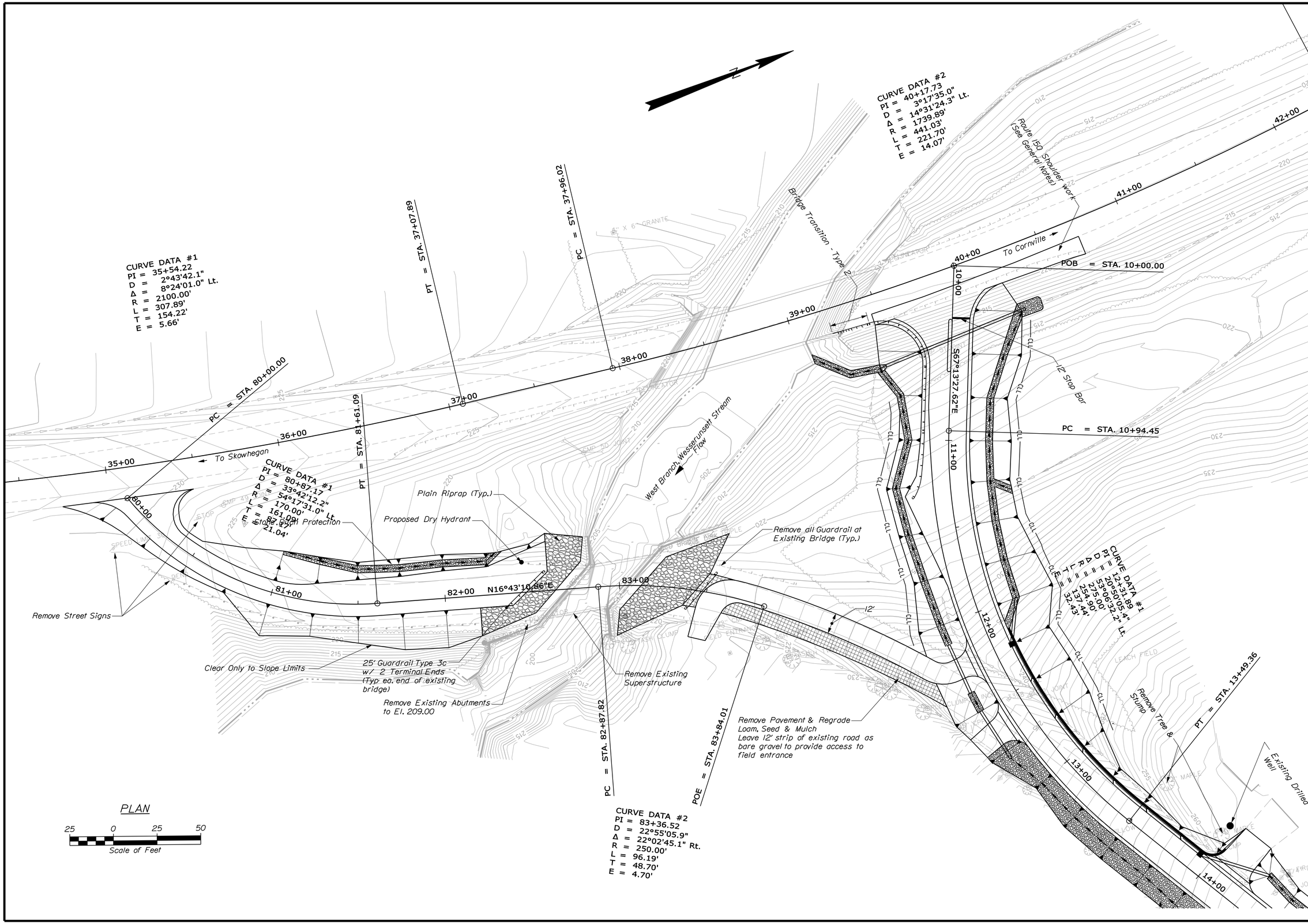
FEDERAL AID PROJECT NO. BH-1671(900)X

APRIL 2011 — RIGHT-OF-WAY MAP — D.O.T. FILE NO. 4-XXX

SCALE 1" = 25' — SHEET 1 OF 1

SHEET NUMBER 5 OF 27

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN
16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER		SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN		
CHECKED-REVIEWED	------	------		
DESIGN2-DETAILED2	------	------		
DESIGN3-DETAILED3	------	------		
REVISIONS 1	------	------		
REVISIONS 2	------	------		
REVISIONS 3	------	------		
REVISIONS 4	------	------		
FIELD CHANGES	------	------		

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

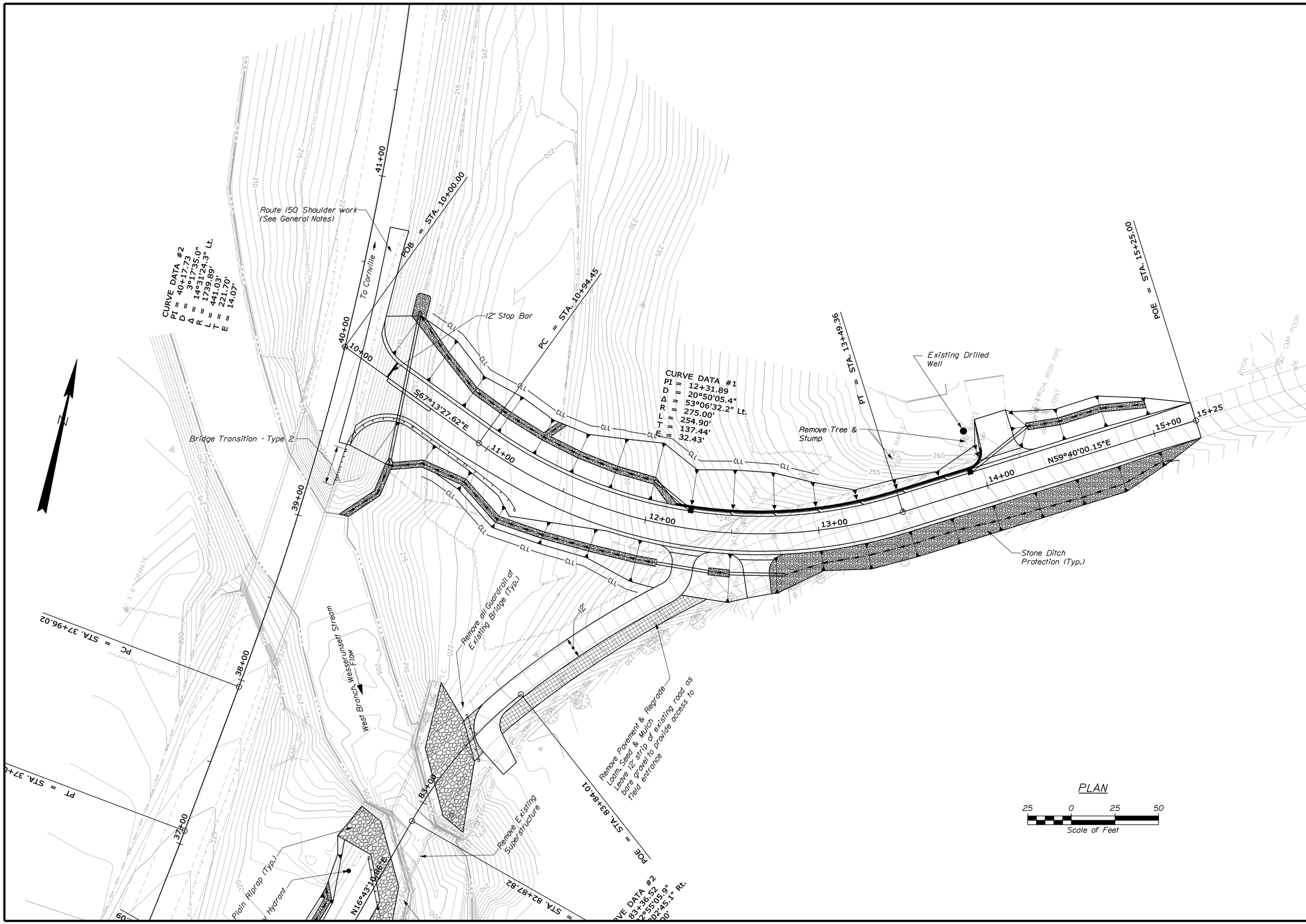
GENERAL PLAN

SHEET NUMBER

6

OF 27

Filename: ...\MSTA\006_GeneralPlan1.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	SEB		
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

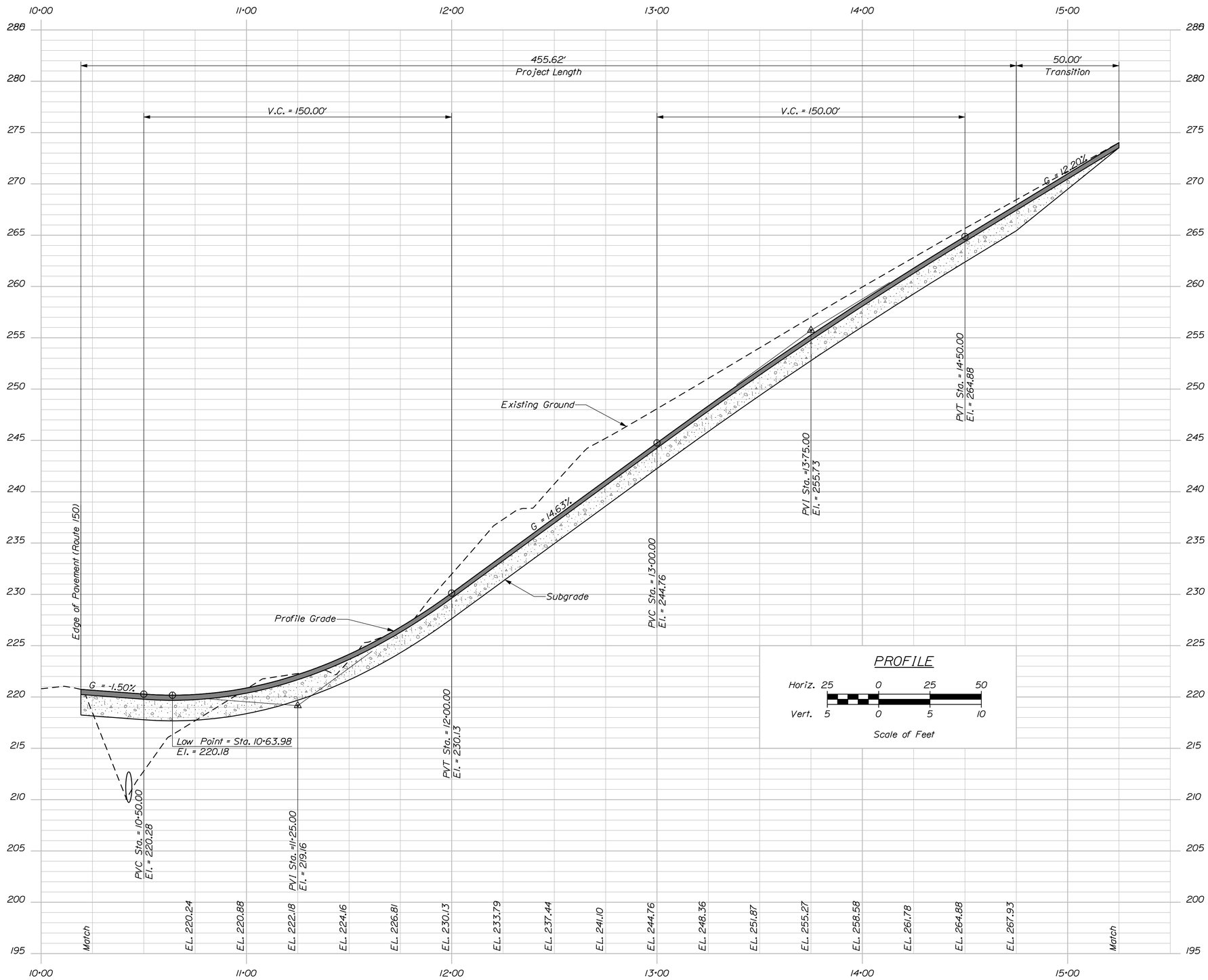
GENERAL PLAN

SHEET NUMBER

7

OF 27

Filename: ...\msta\007_GeneralPlan2.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



PROFILE
PROPOSED ALIGNMENT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	-----	-----	
DESIGN3-DETAILED3	-----	-----	
REVISIONS 1	-----	-----	
REVISIONS 2	-----	-----	
REVISIONS 3	-----	-----	
REVISIONS 4	-----	-----	
FIELD CHANGES	-----	-----	

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

PROFILE

SHEET NUMBER

8

OF 27

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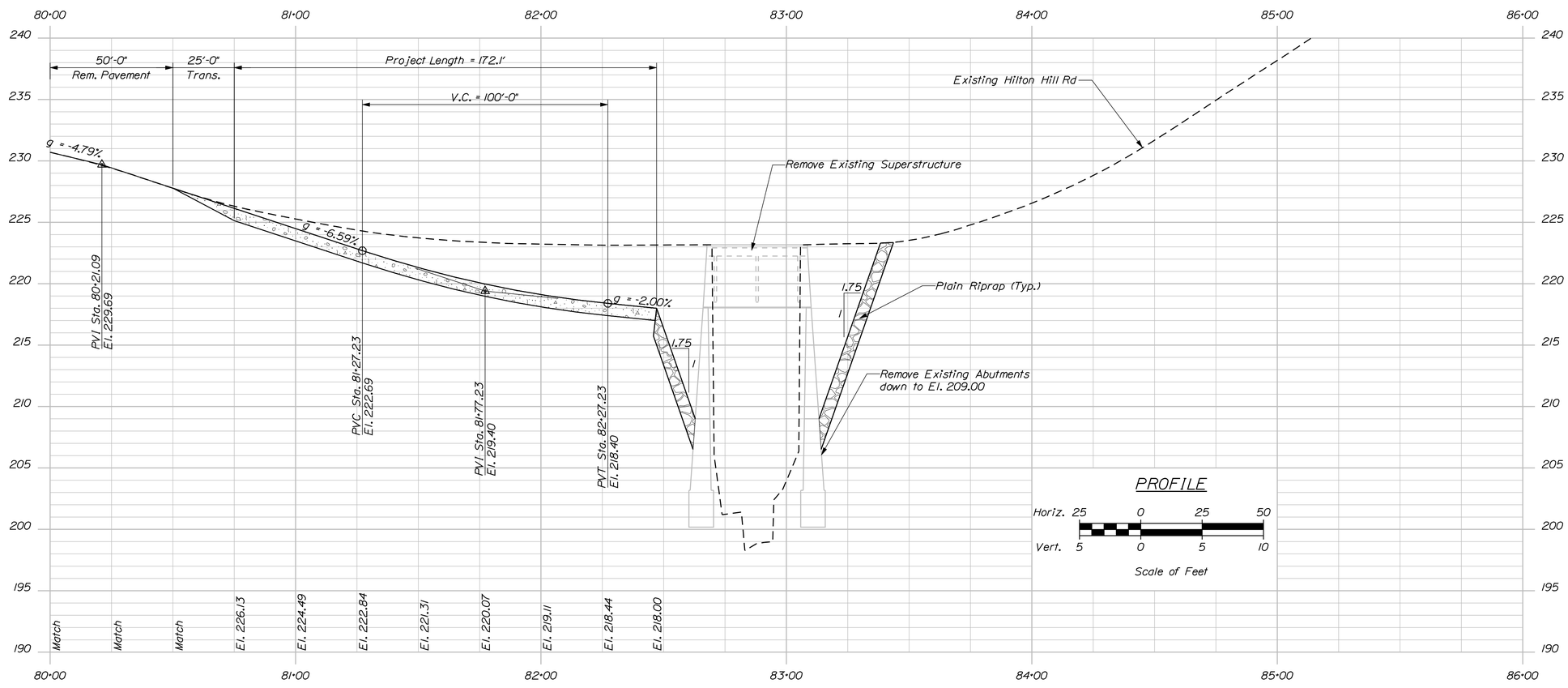


PROFILE - EXISTING HILTON HILL ROAD

Filename: ...\bridge\msta\009_Profile2.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	SEB		
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

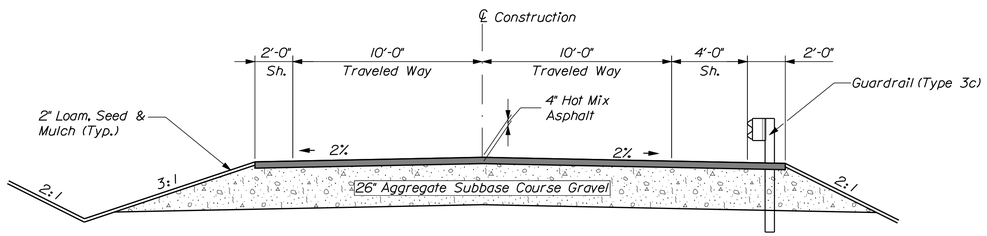
OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

PROFILE

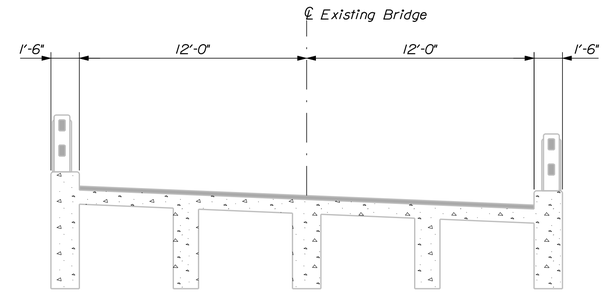
SHEET NUMBER

9

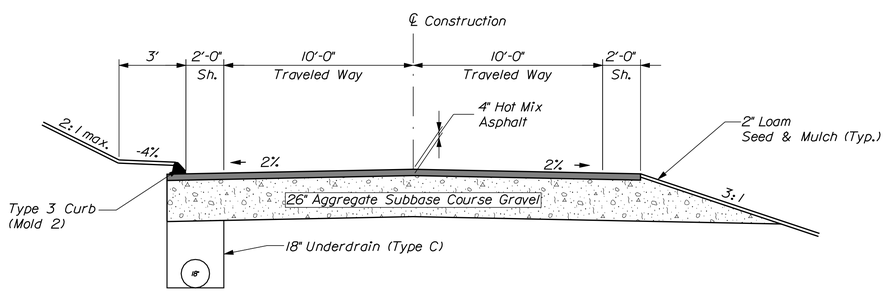
OF 27



APPROACH DESIGN SECTION

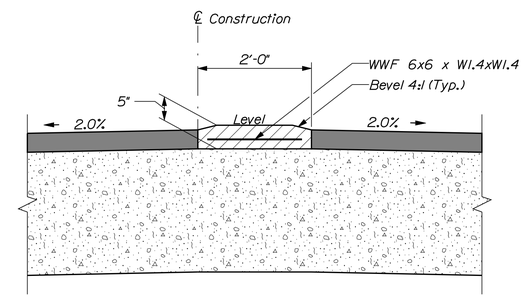


EXISTING BRIDGE SECTION



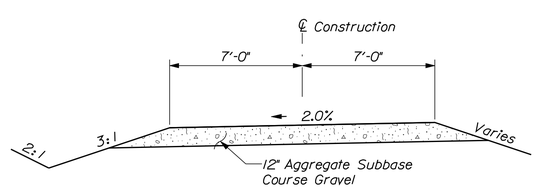
APPROACH DESIGN SECTION

In areas requiring underdrain



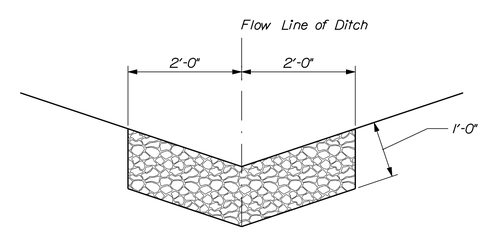
RAISED MEDIAN DETAIL

Concrete shall have 1/4" raked finish



APPROACH DESIGN SECTION

Dry Hydrant Access Road



TYPICAL SECTION

Stone Ditch Protection

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

	SEB	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

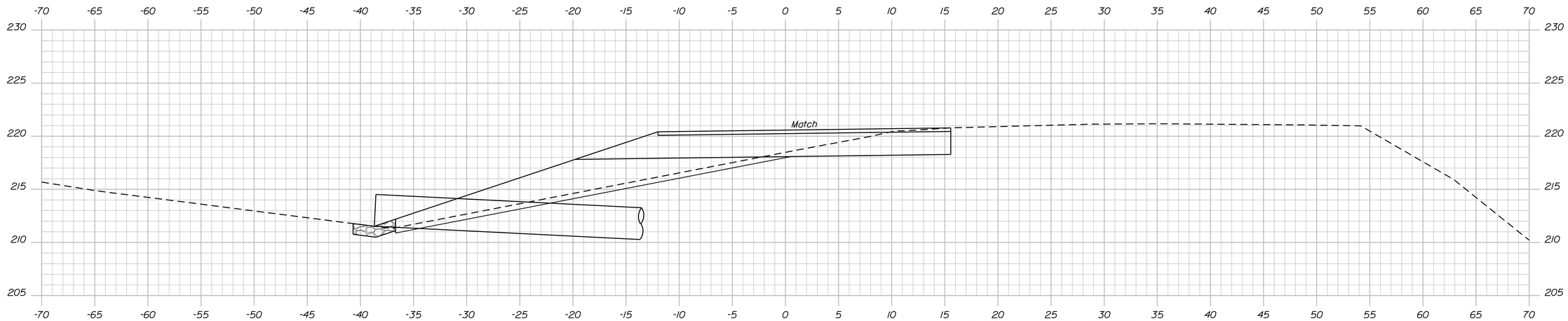
TYPICAL SECTIONS

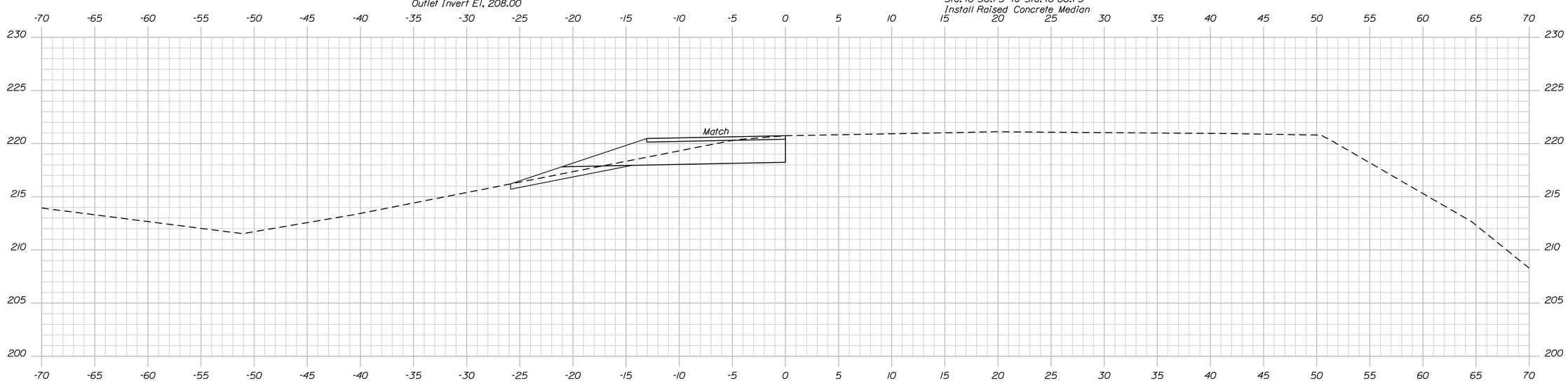
SHEET NUMBER

10

OF 27

Filename: ...\bridge\msta\010_Btypical.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN	
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DESIGN2-DETAILED2			
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REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

SHEET NUMBER

11

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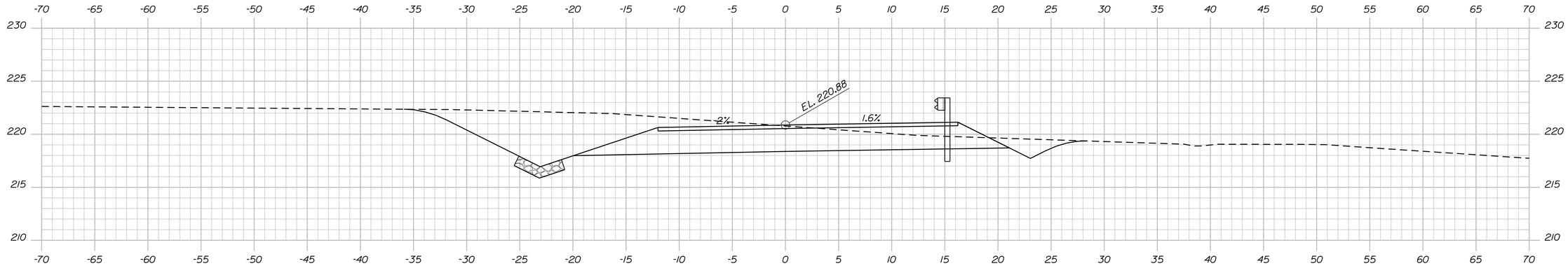
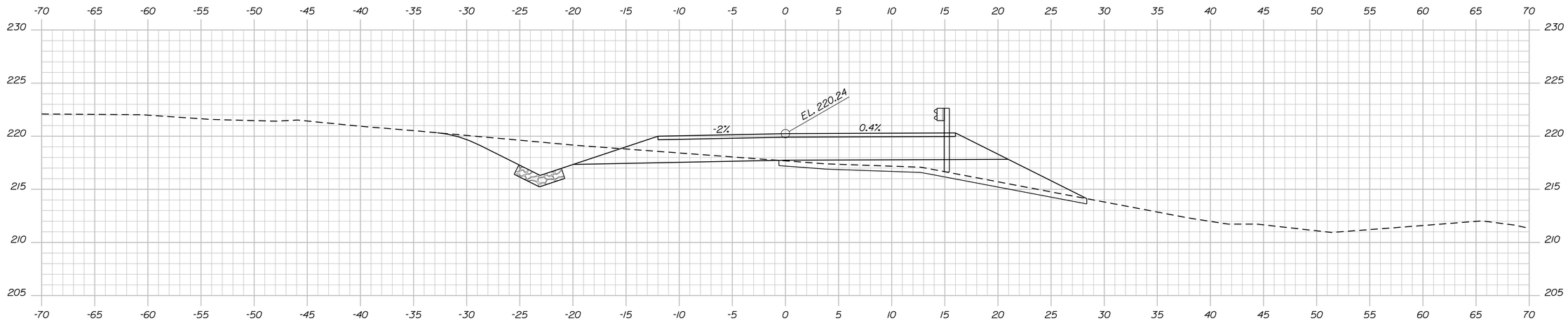
Sta. 10+19.38 to Sta. 10+25.00

Filename: ...\msta\011_Xsect_10+19_001.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011

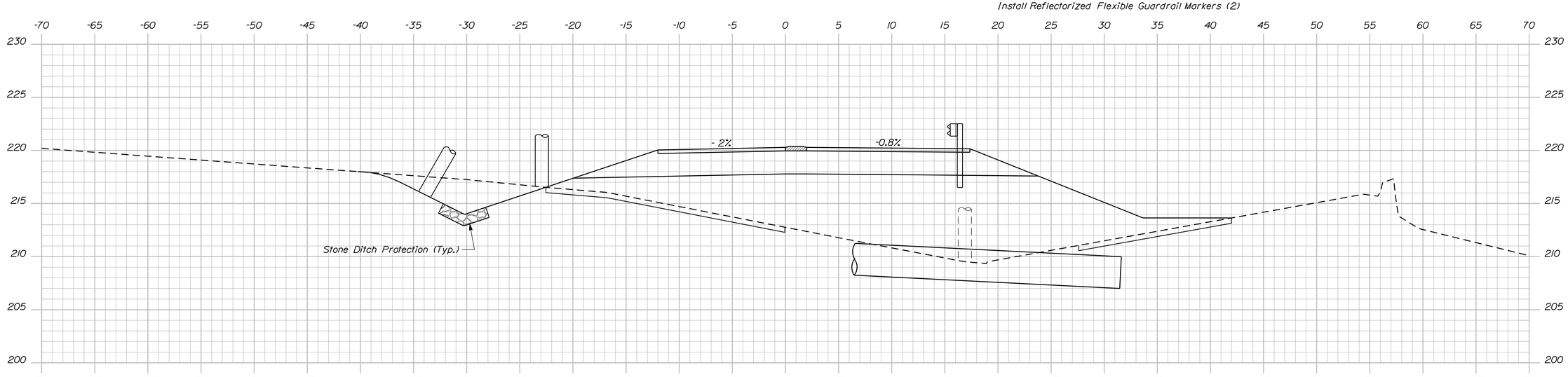


11+00.00



10+75.00

Sta. 10+94.45 to Sta. 11+31.03
Install Guardrail 350 Flared Terminal
Install Reflectorized Flexible Guardrail Markers (2)



Proposed Push Brace
Sta. 10+61.11 33.40 LT

Proposed Utility Pole
Sta. 10+40.00 22.30 LT

10+50.00

Sta. 10+57.78 to Sta. 10+94.45
Install 37.5' Guardrail Type 3c

STATE OF MAINE
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16748.00

BRIDGE NO. 2777

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	SEB		
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

SIGNATURE

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DATE

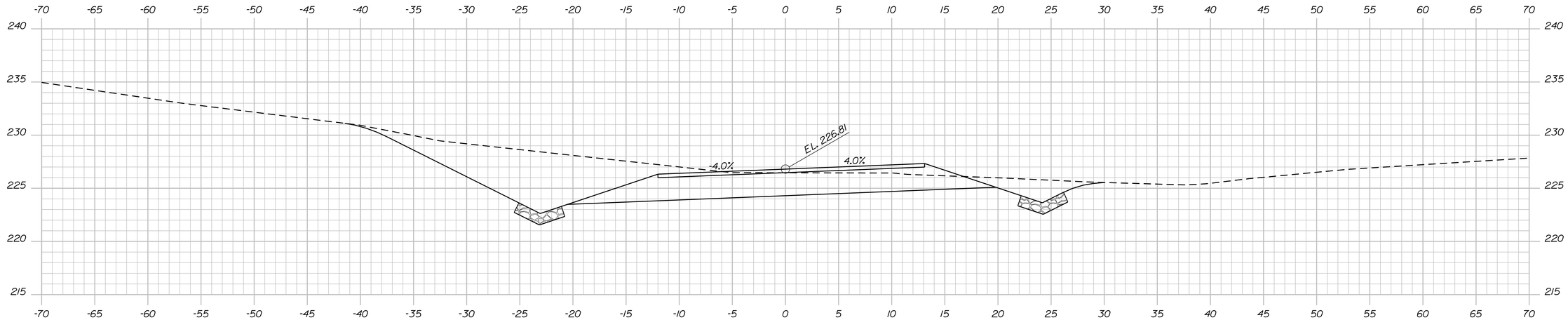
OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

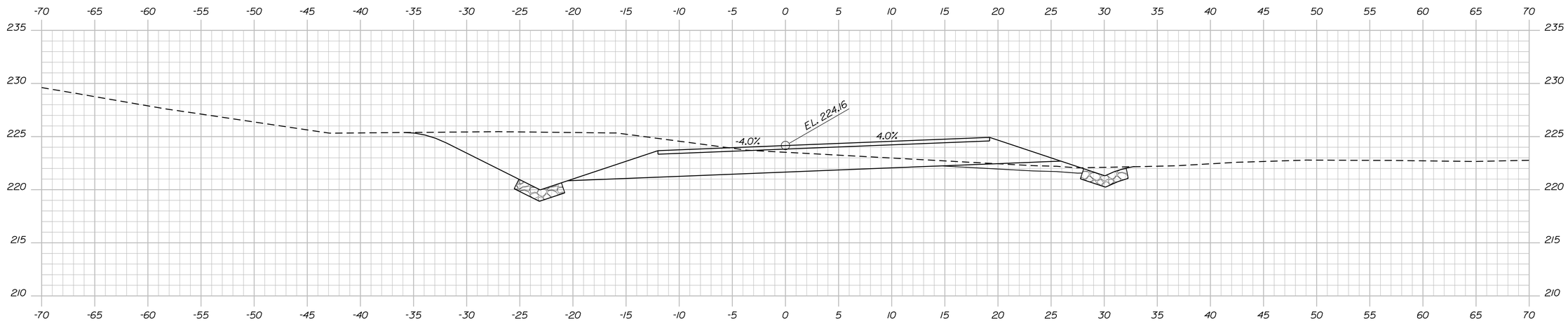
SHEET NUMBER
12
OF 27

Sta. 10+50.00 to Sta. 11+00.00

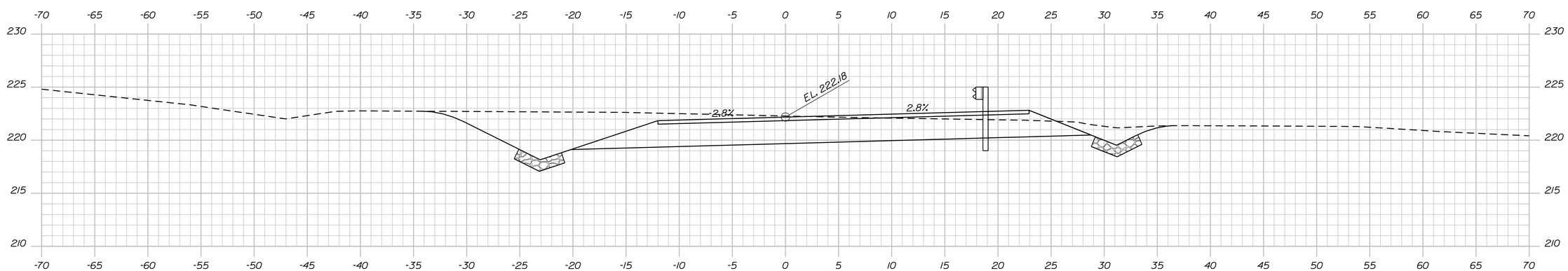
Filename: ...\msta\012_Xsect_10-50_002.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



11+75.00



11+50.00



11+25.00

Sta. 11+25.00 to Sta. 11+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	B.R	B.JN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SOMERSET COUNTY
SKOWHEGAN

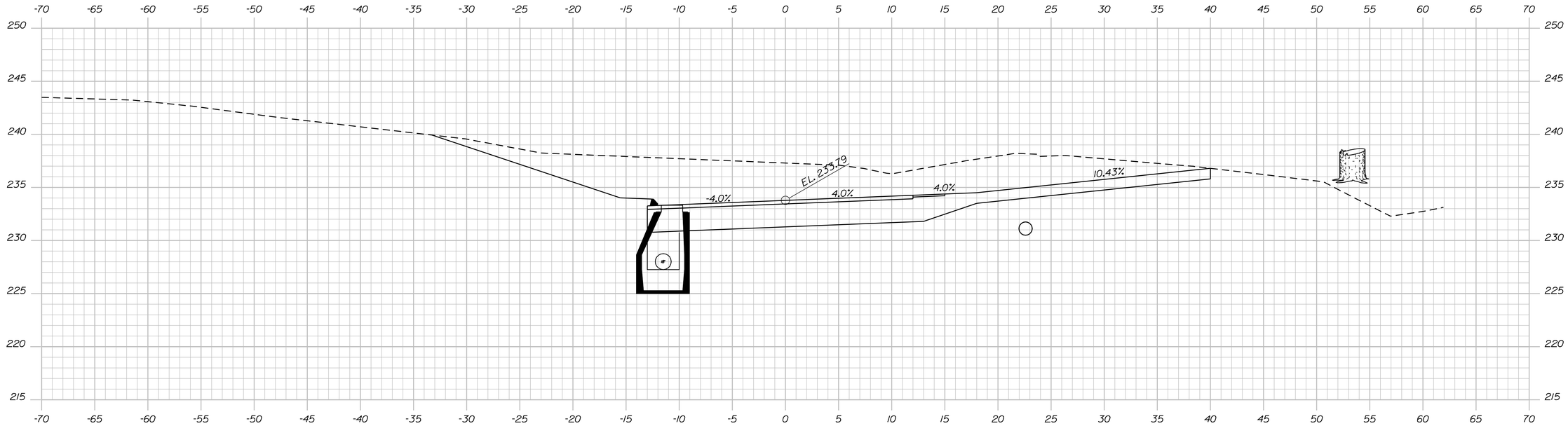
CROSS SECTIONS

SHEET NUMBER

13

OF 27

Filename: ...\msta\013_Xsect_11+25_003.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011

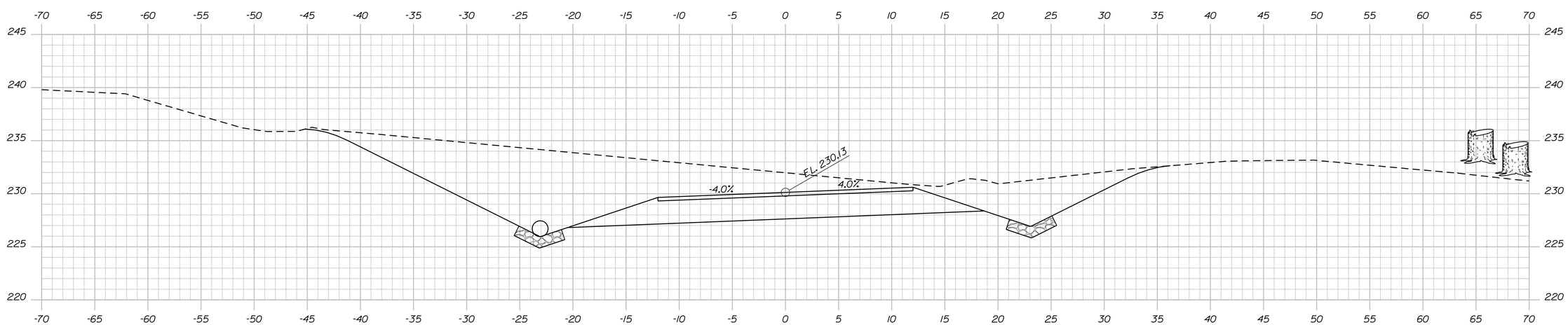


Sta. 12+25.00 - 10.75' Left
Install Catch Basin Type BI-C
Inlet Invert El. 227.26
Outlet Invert El. 226.26

Sta. 12+25.00 to Sta. 13+92.95
Install 168' 18" Underdrain Type C

12+25.00

Sta. 12+25 Rt
Construct Gravel Drive (12' Width)



Sta. 12+00.00 to Sta. 12+25.00
Install 26' 18" Culvert Option 1
Inlet Invert El. 226.26
Outlet Invert El. 226.00

Sta. 12+15.48 to Sta. 14+02.98
Install 188' Curb Type 3, Mold 2

12+00.00

Sta. 12+11.12 to Sta. 12+38.95
Install 30' 15" Culvert Option 1

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16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER		BY	DATE
DESIGN-DETAILED	BJR	SEB	
CHECKED-REVIEWED	BJR	BJN	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

SHEET NUMBER
14
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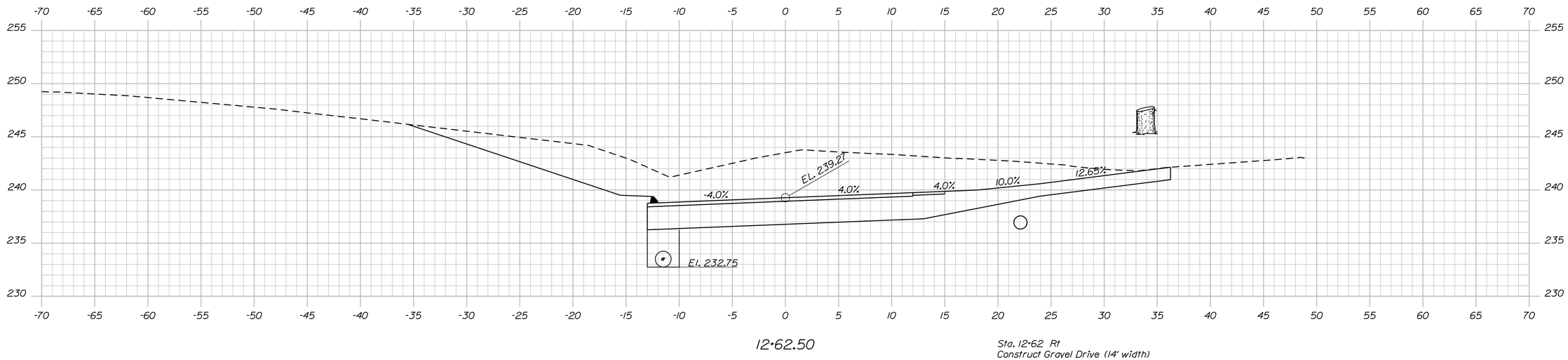
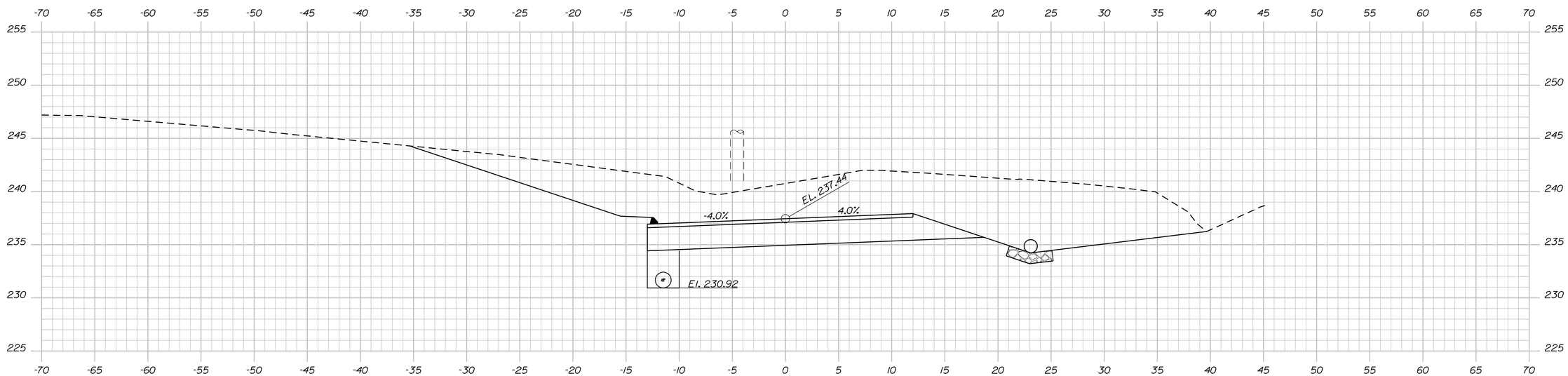
Sta. 12+00.00 to Sta. 12+25.00

Filename: ...\msta\014_Xsect_12+00_004.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



12+62.50

Sta. 12+62 Rt
Construct Gravel Drive (14' width)



12+50.00

Sta. 12+50.00 to Sta. 12+79.51
Install 32' 15" Culvert Option 1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	SEB		
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
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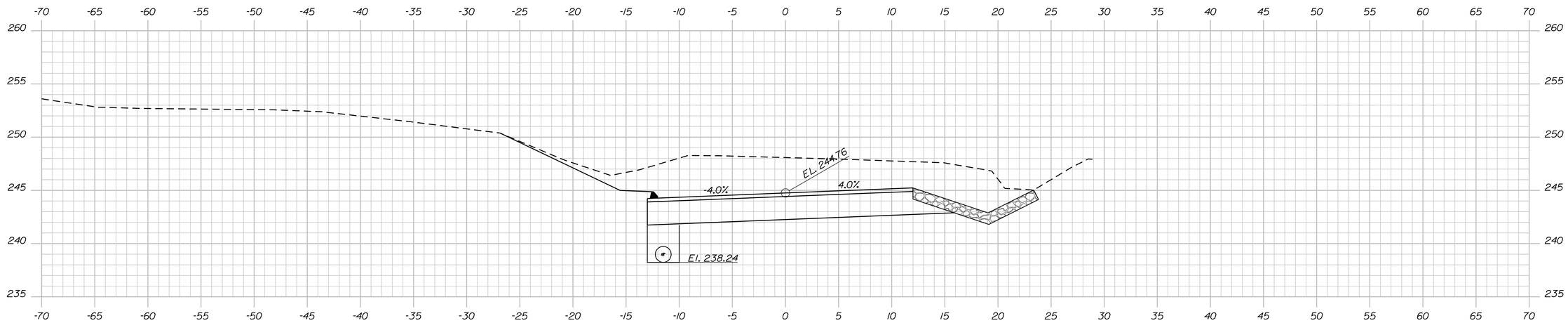
OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

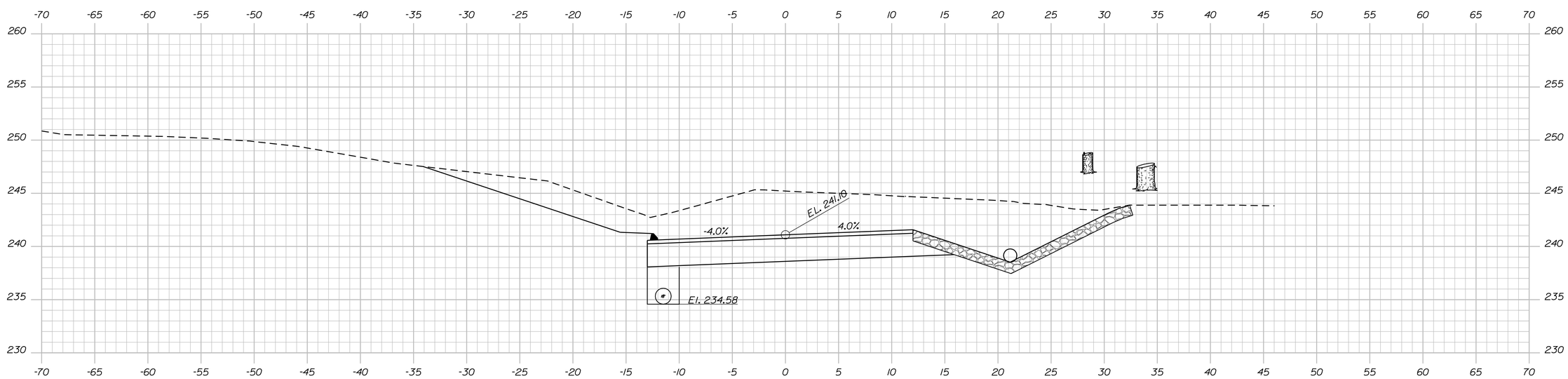
SHEET NUMBER
15
OF 27

Sta. 12+50.00 to Sta. 12+62.50

Filename: ...\msta\015_Xsect_12+50_005.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



13+00.00



12+75.00

Sta. 12+75.00 to Sta. 13+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

		BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	BJR	SEB	BJN
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

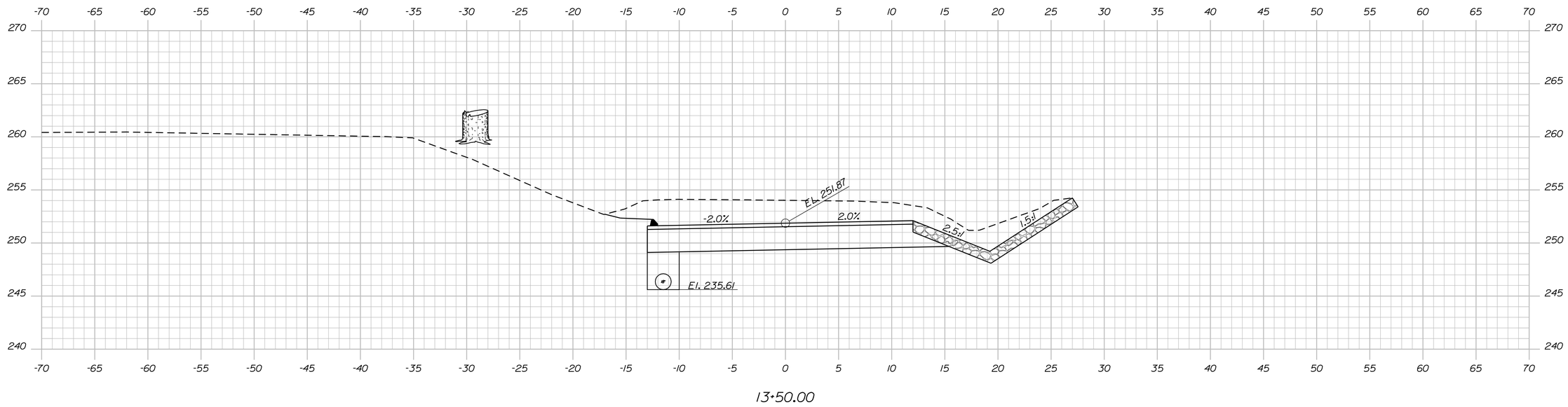
CROSS SECTIONS

SHEET NUMBER

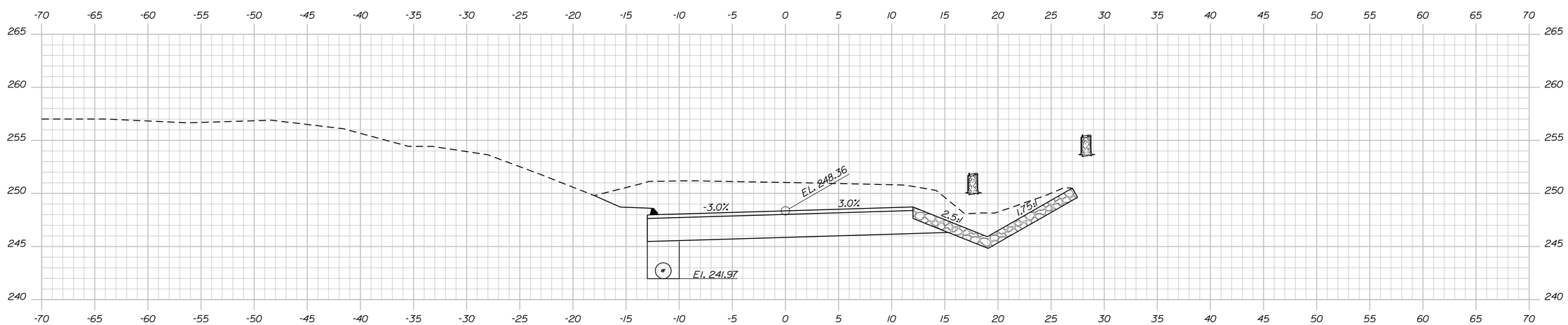
16

OF 27

Filename: ...\msta\016_Xsect_12+75_006.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



13+50.00



13+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	B.R	B.JN	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

SHEET NUMBER

17

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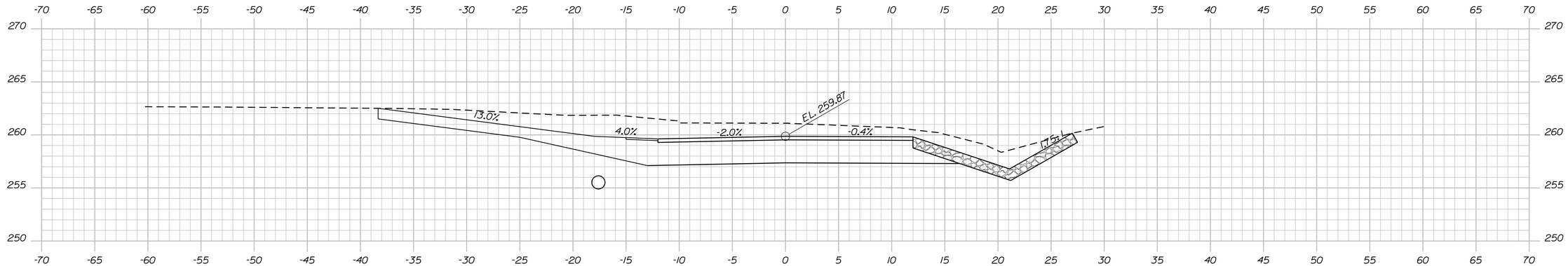
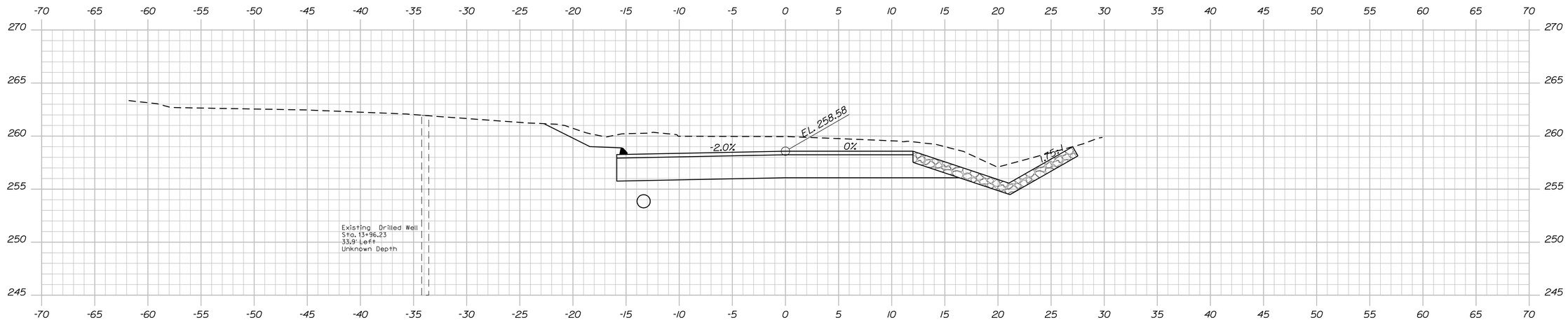
Sta. 13+25.00 to Sta. 13+50.00

Filename: ...\msta\017_Xsect_13+25_007.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011

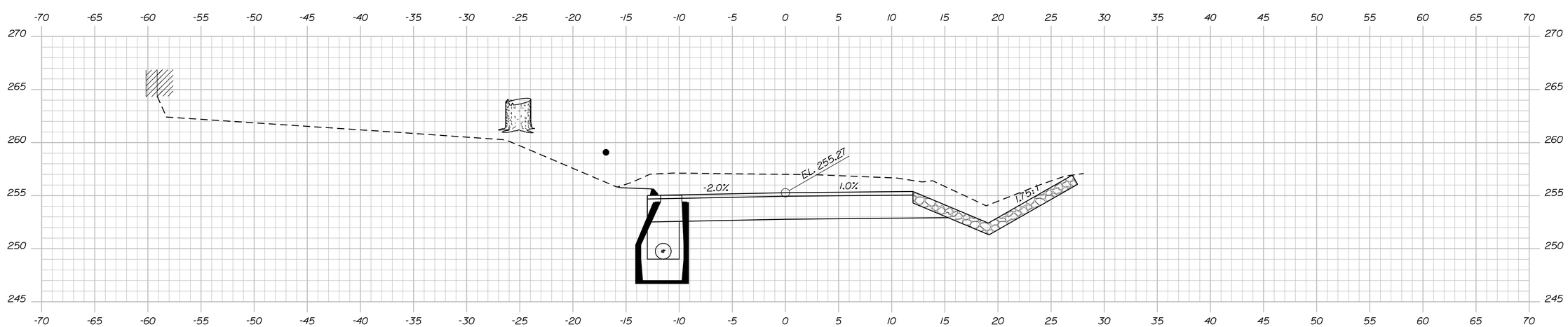


Sta. 14+10 Lt.
Construct Gravel Drive (18.5' width)

14+10.00



14+00.00



Sta. 13+92.98 - 10.75' Left
Install Catch Basin Type BI-C
Inlet Invert El. 252.00
Outlet Invert El. 249.00

Sta. 13+92.98 to Sta. 14+31.00
Install 42' 15" Culvert Option 1

13+75.00

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16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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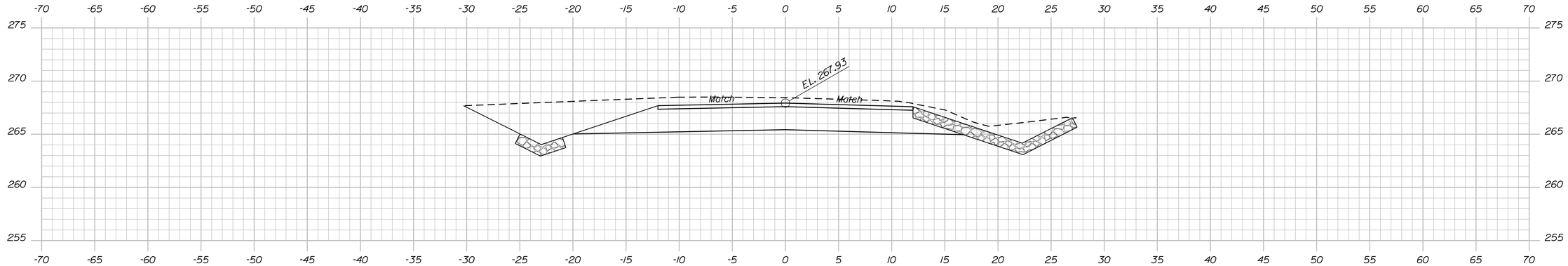
OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

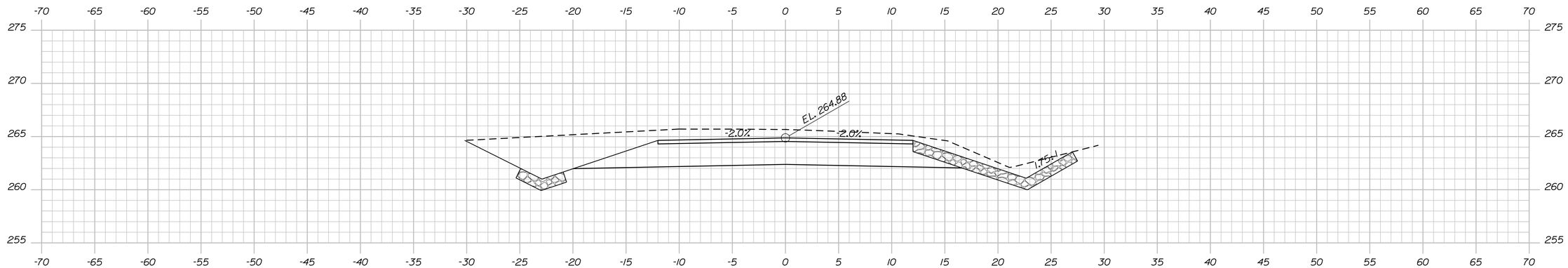
SHEET NUMBER
18
OF 27

Sta. 13+75.00 to Sta. 14+10.00

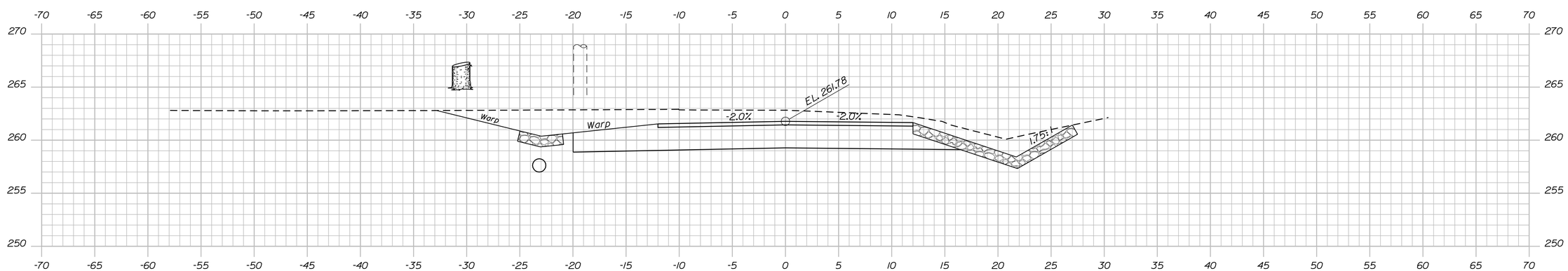
Filename: ...\msta\018_Xsect_13+75_008.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



14+75.00
End Project
Begin Transition



14+50.00



14+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	B.R	B.JN	
CHECKED-REVIEWED	------	------	
DESIGN2-DETAILED2	------	------	
DESIGN3-DETAILED3	------	------	
REVISIONS 1	------	------	
REVISIONS 2	------	------	
REVISIONS 3	------	------	
REVISIONS 4	------	------	
FIELD CHANGES	------	------	

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OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

SHEET NUMBER
19
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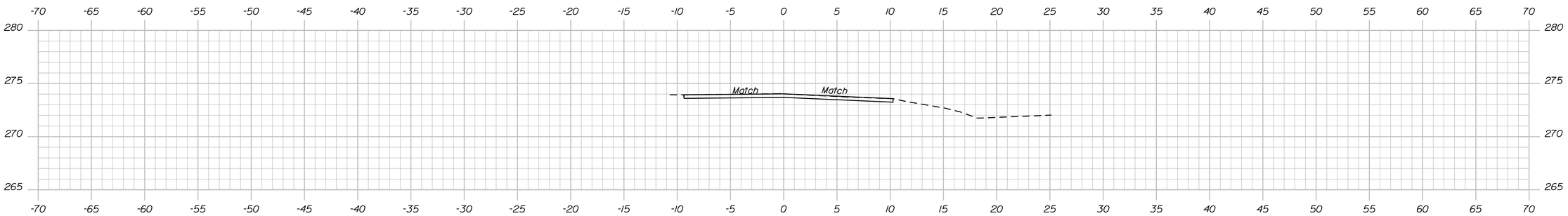
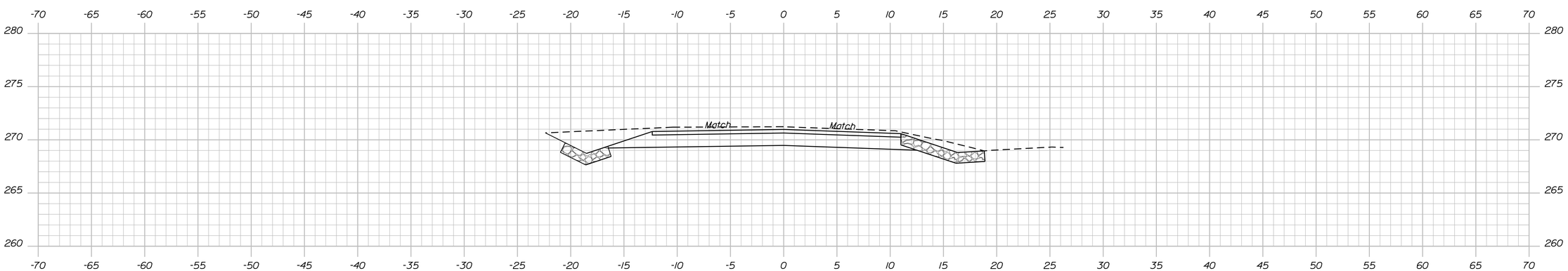
Sta. 14+25.00 to Sta. 14+75.00

Filename: ...\msta\019_Xsect_14+25_009.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



15+25.00
End Transition
Match Existing



15+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN
16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
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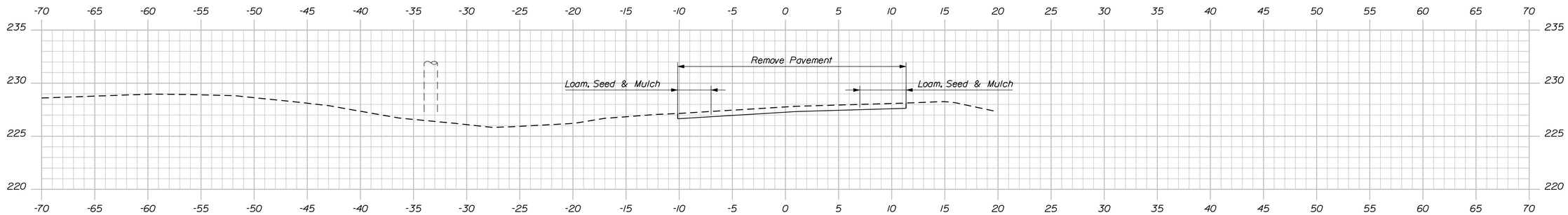
OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

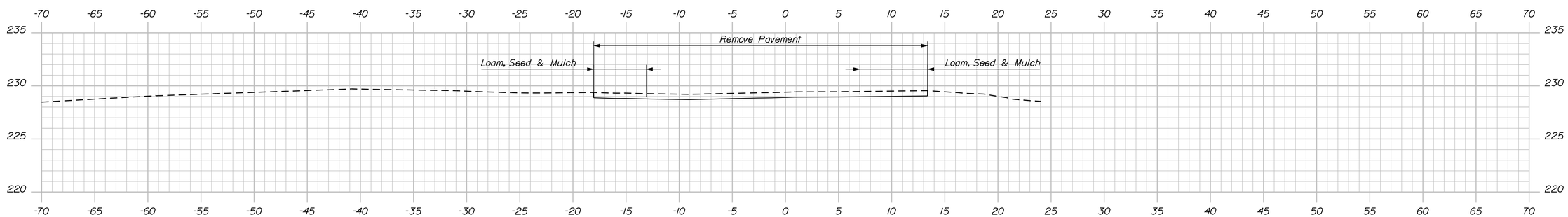
SHEET NUMBER
20
OF 27

Filename: ...\msta\020_Xsect_15+00_010.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011

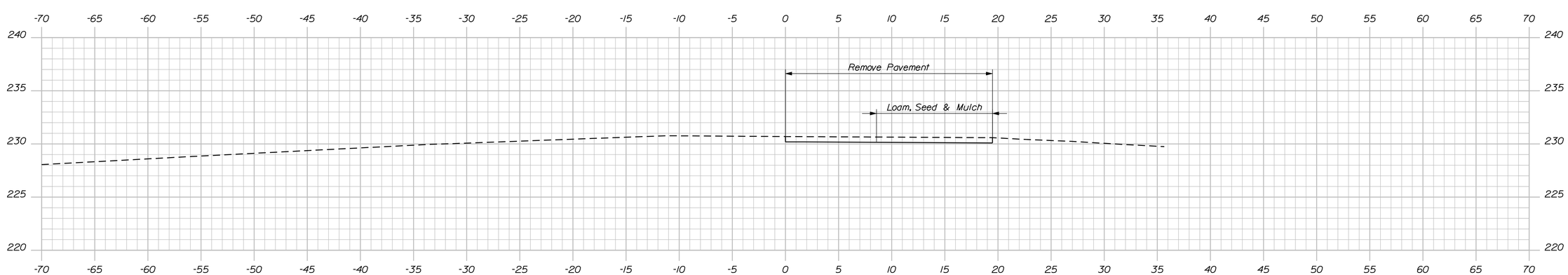
Sta. 15+00.00 to Sta. 15+25.00



80+50.00



80+25.00



80+00.00

Sta. 80+00.00 to Sta. 80+50.00

STATE OF MAINE
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BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN	------
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

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OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

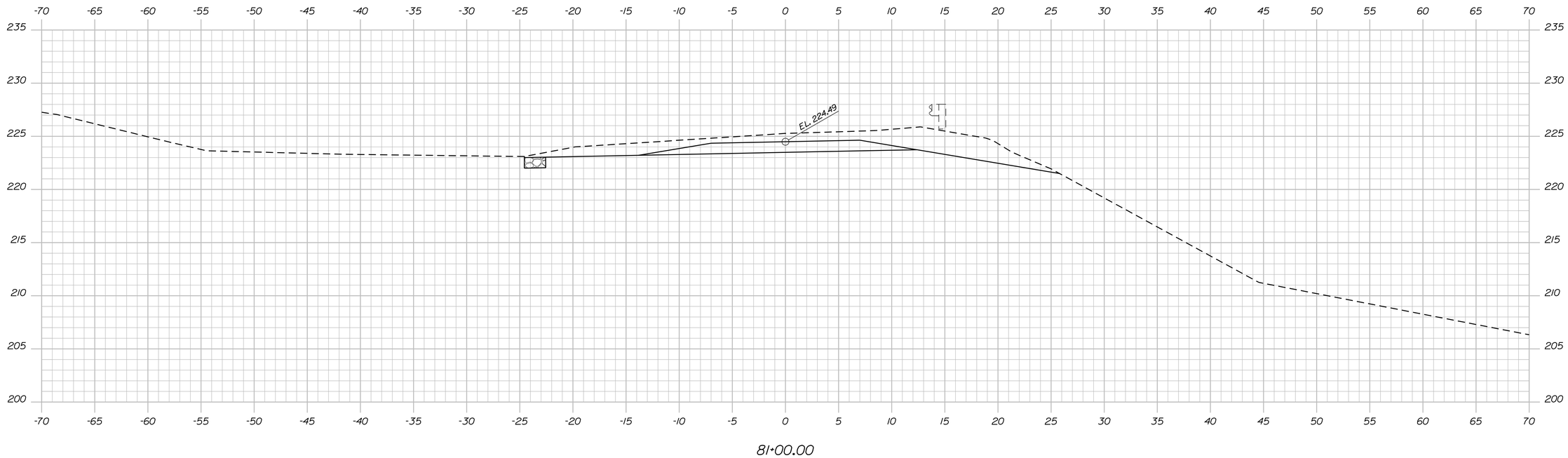
CROSS SECTIONS

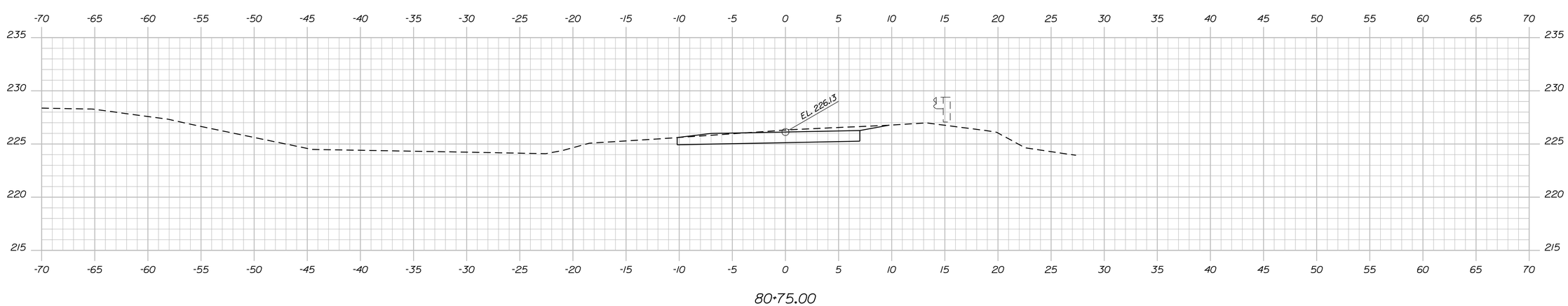
SHEET NUMBER

21

OF 27

Filename: ...\021_Xsect_EXISTING_80+00_001.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN **16748.00**

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	BJR	BJN	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

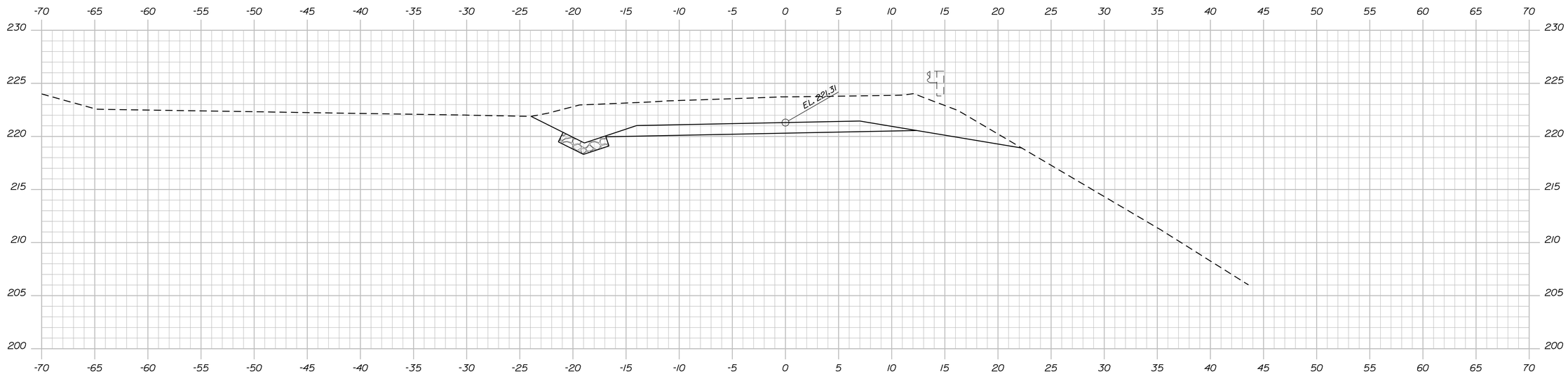
SHEET NUMBER

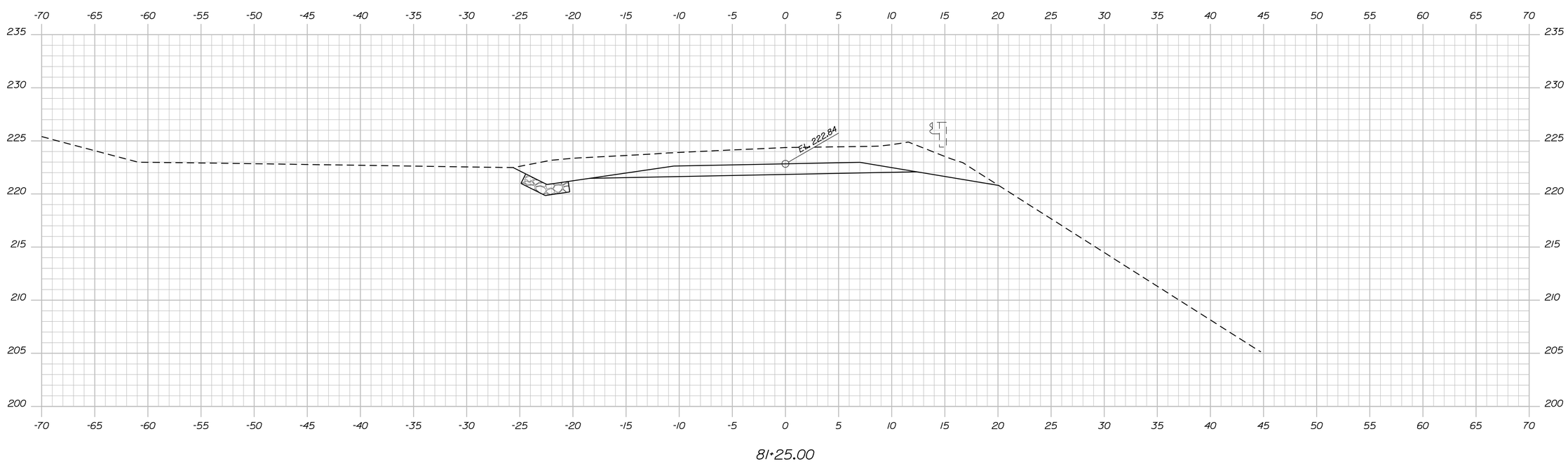
22

OF 27

Sta. 80+75.00 to Sta. 81+00.00

Filename: ...\022_Xsect_EXISTING_80+75_002.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

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

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

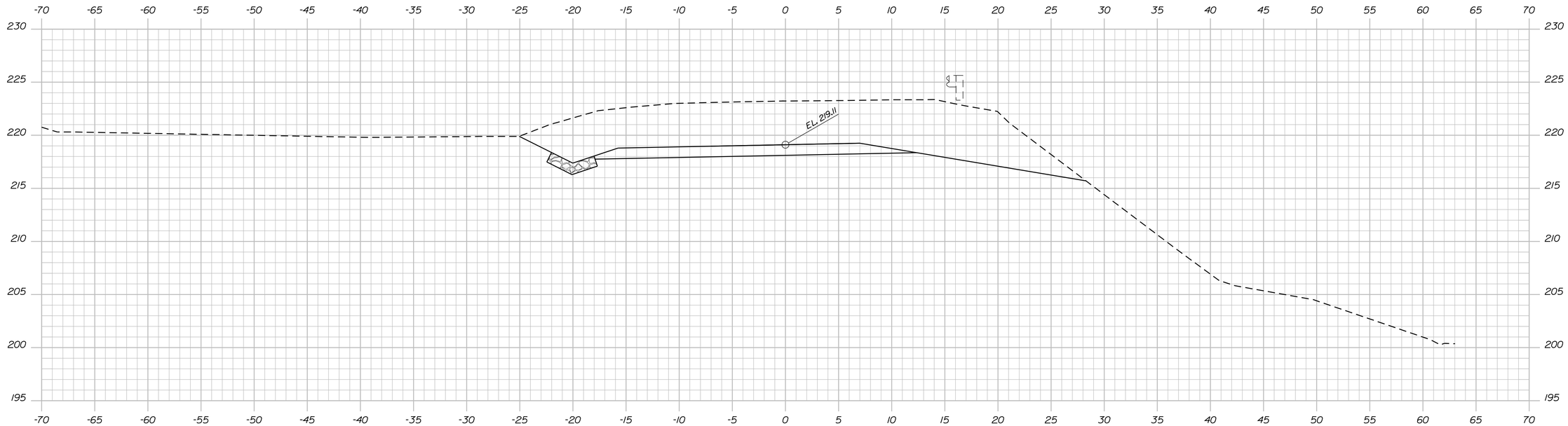
SHEET NUMBER

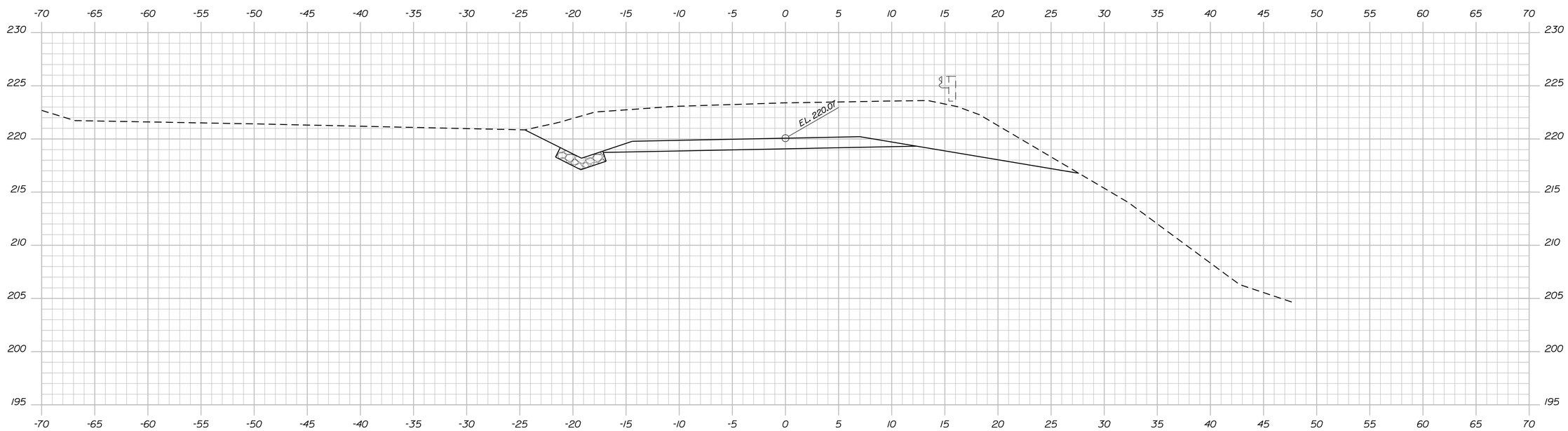
23

OF 27

Sta. 81+25.00 to Sta. 81+50.00

Filename: ...\023_Xsect_EXISTING_81+25_003.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

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

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SOMERSET COUNTY
SKOWHEGAN

CROSS SECTIONS

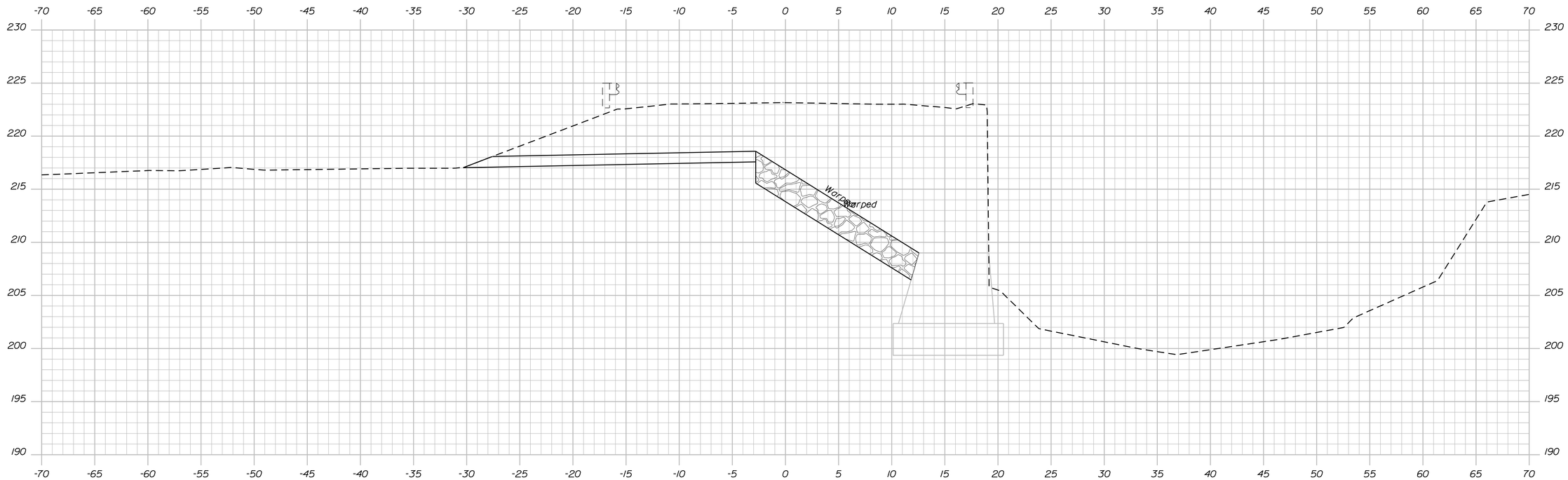
SHEET NUMBER

24

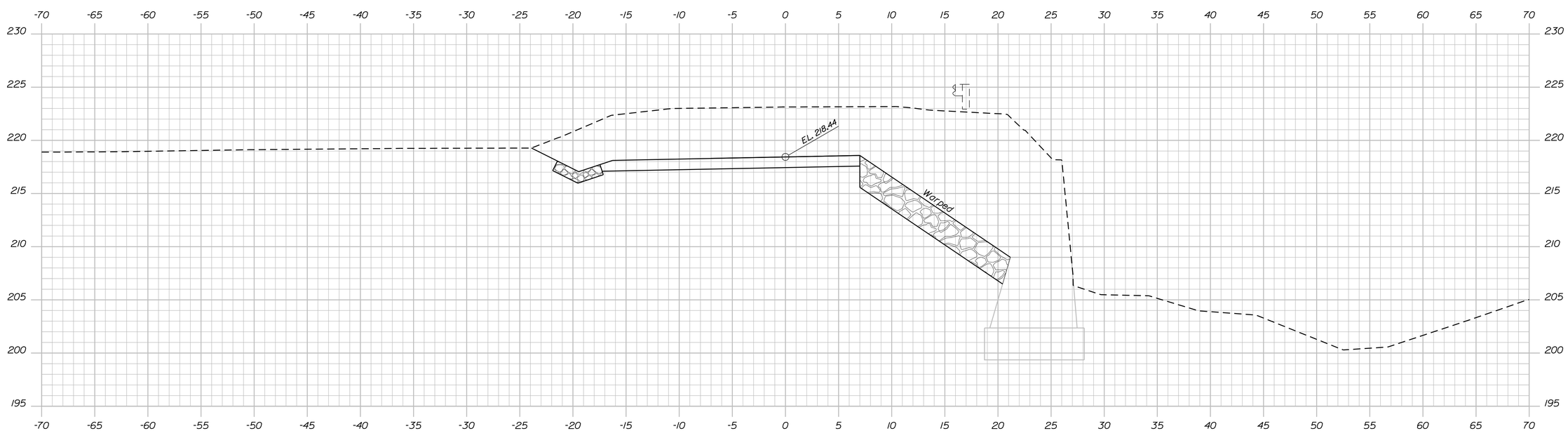
OF 27

Sta. 81+75.00 to Sta. 82+00.00

Filename: ...\024_Xsect_EXISTING_81+75_004.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



82+50.00



82+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BH-1674(800)X

PIN 16748.00

BRIDGE NO. 2777

BRIDGE PLANS

PROJ. MANAGER	SEB	BY	DATE
DESIGN-DETAILED	B.R	B.JN	
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

OLD SMITH POND BRIDGE
W. BRANCH WESSERUNSETT STREAM
SKOWHEGAN SOMERSET COUNTY

CROSS SECTIONS

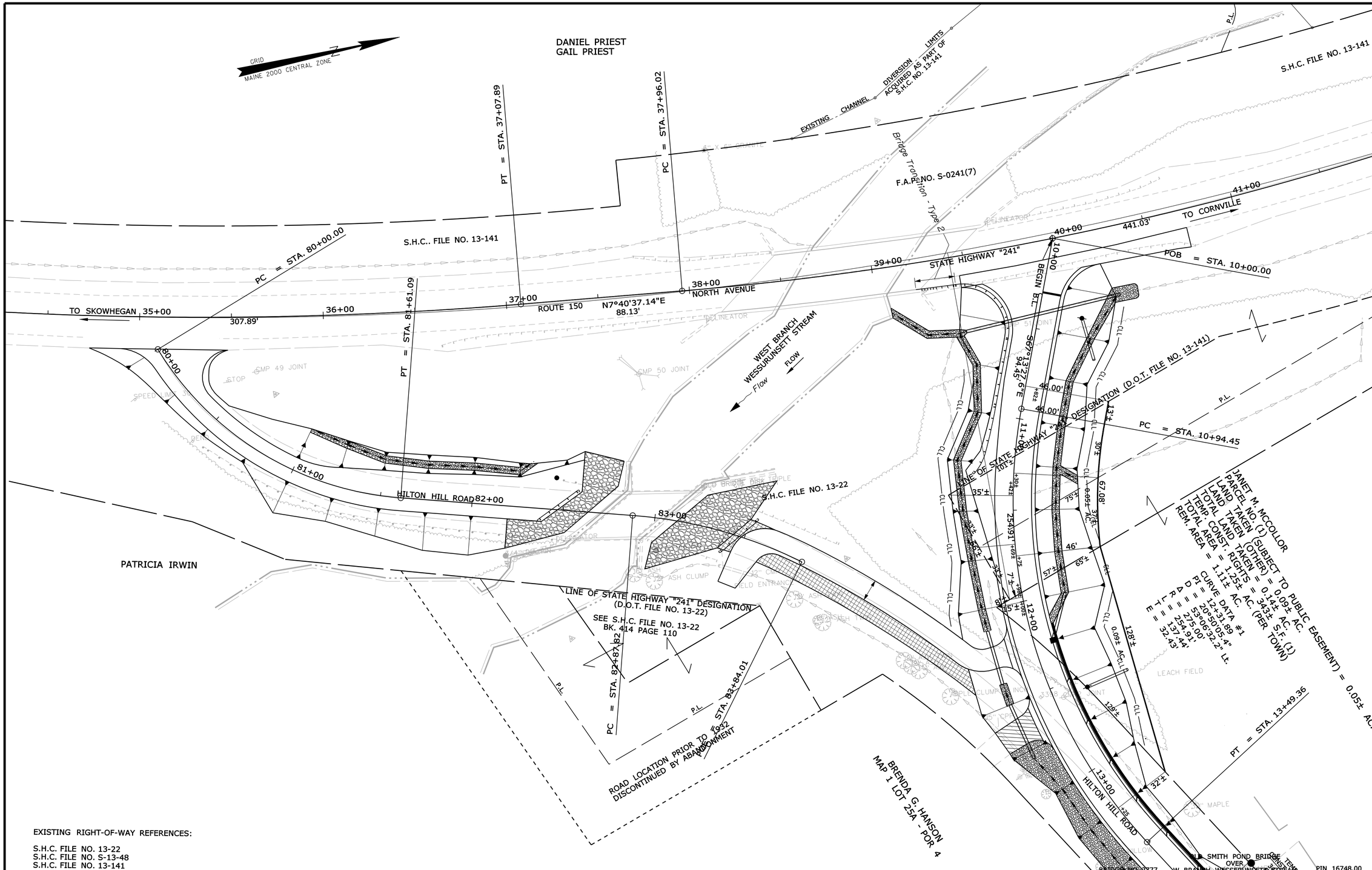
SHEET NUMBER

25

OF 27

Sta. 82+25.00 to Sta. 82+50.00

Filename: ...\025_Xsect_EXISTING_82+25_005.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



EXISTING RIGHT-OF-WAY REFERENCES:

S.H.C. FILE NO. 13-22
S.H.C. FILE NO. S-13-48
S.H.C. FILE NO. 13-141

SYMBOLS

- IP or IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016

SKOWHEGAN
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/28/11	4380	1

DAVID A. COLE
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
PETER A. BELANGER
1341
PROFESSIONAL LAND SURVEYOR

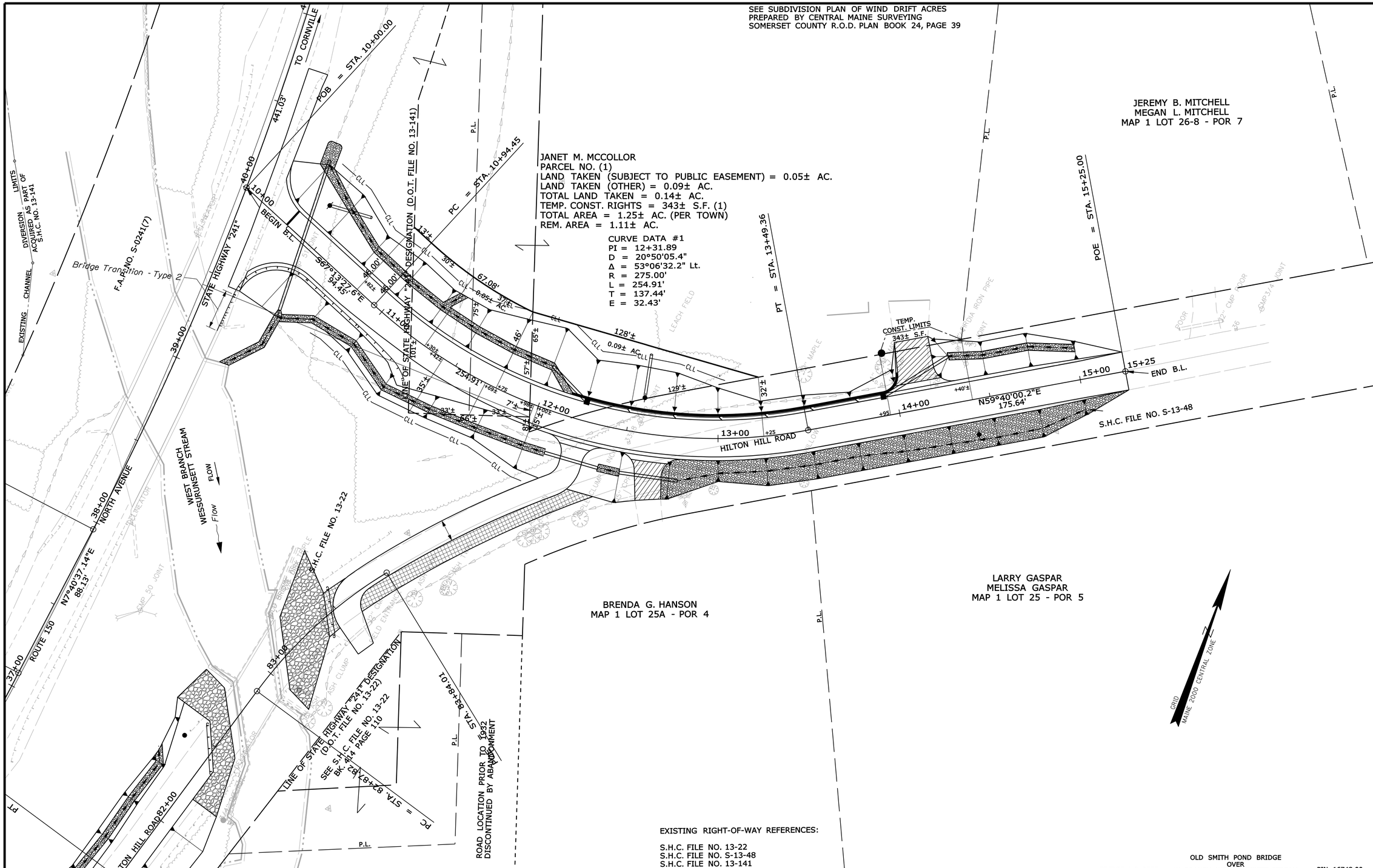
HILTON HILL ROAD

SKOWHEGAN SOMERSET COUNTY
FEDERAL AID PROJECT NO. BH-1674(800)X

OCTOBER 2010 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 13-366
SCALE 1" = 25' | SHEET 1 OF 2

SHEET NUMBER
26
OF 27

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011



SYMBOLS

- IP or IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- BM (TRAVERSE POINT)
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE
- WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE PL
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
SKOWHEGAN
RIGHT OF WAY MAP

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	3/28/11	4380	1

DAVID A. COLE
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE PETER A. BELANGER 1341 PROFESSIONAL LAND SURVEYOR

HILTON HILL ROAD

SKOWHEGAN SOMERSET COUNTY
FEDERAL AID PROJECT NO. BH-1674(800)X

OCTOBER 2010 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 13-366
SCALE 1" = 25' | SHEET 2 OF 2

SHEET NUMBER
27
OF 27

Filename: ...\00\ROW\MSTA\002_RWPLAN2.dgn Division: BRIDGE Username: brian.j.nichols Date:4/8/2011