

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA

Current (2012) AADT..... 840

HYDROLOGIC DATA

Drainage Area 780.6 sq mi
 Design Discharge (Q50) 14,403 cfs
 Check Discharge (Q100) 15,644 cfs
 Headwater Elevation (Q50) 565.6 ft
 Headwater Elevation (Q100) 566.0 ft
 Discharge Velocity (Q50) 7.2 fps
 Discharge Velocity (Q100) 8.0 fps

LIST OF DRAWINGS

Title Sheet 1
 Quantities and General Notes 2
 General Plan 3
 Profile 4
 Riprap Layout 5
 Right of Way Map 6

WALLAGRASS AROOSTOOK COUNTY SOLDIER POND BRIDGE OVER FISH RIVER SOLDIER POND ROAD WORK IDENTIFICATION No. 19315.00 BRIDGE NO. 3901

UTILITIES

Maine Public Service Time Warner Cable
 Fairpoint Communications Maine Northern Railway

MAINTENANCE OF TRAFFIC

Maintain a Minimum of One 11 Foot Lane of Alternating
 Traffic During Periods of Work.

<u>PROJECT LOCATION:</u>	Soldier Pond Bridge (#3901) over the Fish River on Soldier Pond Road. Located 0.69 of a mile easterly of Route 11. Lat. 47° 9' 21.5", Long. -68° 34' 27.7"
<u>PROGRAM AREA:</u>	Bridge
<u>OUTLINE OF WORK:</u>	Bridge Scour Countermeasures

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 APPROVED: *[Signature]*
 COMMISSIONER: *[Signature]*
 CHIEF ENGINEER: *[Signature]*

DATE: 4/15/12

SIGNATURE: *[Signature]*
 12 6 7 0
 P.E. NUMBER
 DATE: 4/12/12

PROJECT INFORMATION
 PROGRAM: BRIDGE
 PROJECT MANAGER: STEPHEN BOJGE
 DESIGNER: RICHARD MYERS
 CONSULTANT:
 PROJECT RESIDENT:
 CONTRACTOR:
 PROJECT COMPLETION DATE:

WIN 19315.00

WALLAGRASS
 SOLDIER POND BRIDGE
 TITLE SHEET

19315.00

SHEET NUMBER
1
 OF 6

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	1	EA
201.24	REMOVING STUMP	1	EA
203.33	SPECIAL FILL	770	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	40	CY
502.248	UNDERWATER GROUT BAGS	5	CY
511.07	COFFERDAM; ABUT. No. 1	1	LS
511.07	COFFERDAM; ABUT. No. 2	1	LS
610.51	ABUT SCM HEAVY RIPRAP	1355	CY
610.52	PIER SCM HEAVY RIPRAP	930	CY
610.521	PIER SCM PLAIN RIPRAP	233	CY
613.319	EROSION CONTROL BLANKET	55	SY
615.07	LOAM	12	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	5	UN
619.1201	MULCH - PLAN QUANTITY	5	UN
619.1401	EROSION CONTROL MIX	24	CY
620.50	EROSION CONTROL FILTER LAYER	520	SY
620.58	EROSION CONTROL GEOTEXTILE	1050	SY
629.05	HAND LABOR, STRAIGHT TIME	40	HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.33	DRUM	25	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGNS	105	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	60	CD
652.38	FLAGGER	160	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

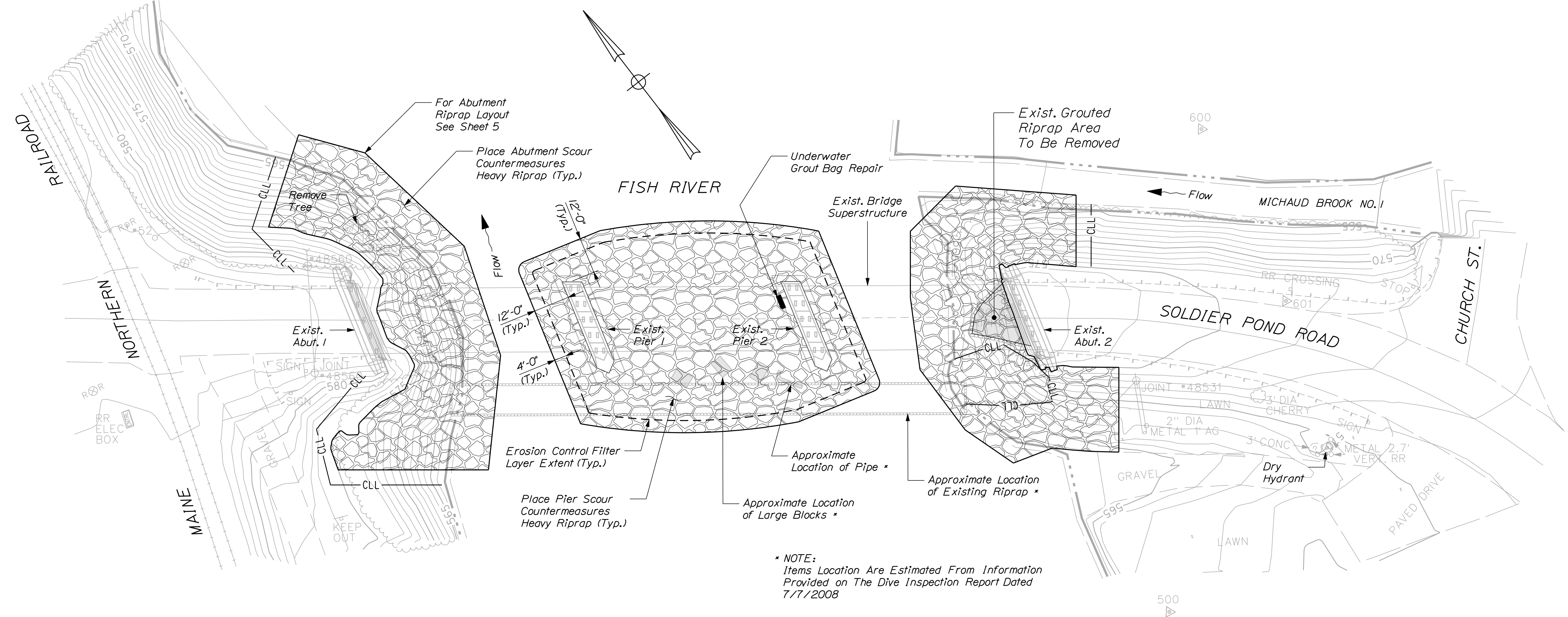
GENERAL CONSTRUCTION NOTES

- For easements, construction limits and right of way lines, refer to Right of Way Map.
- 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.
- All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
- Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.
- 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.
- Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the top of the riprap.
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors>
- 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.
- 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:
 - If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
 - If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
 - 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.
- The Contractor shall allow safe passage of boat traffic through the bridge opening throughout the duration of the project with a minimum 15 foot wide lane.
- The town of Wallagrass has a dry hydrant near the bridge located on the south side of the road near the gravel boat launch. As described in Special Provision Section 104 - Utilities, the intake end of the hydrant is approximately located within the work area. Please refer to the Special Provision for specific instructions regarding the dry hydrant.
- The Contractor shall provide the Resident access to all portions of the work, including that which is only accessible by boat. The method, timing, and location of access shall be approved by the Resident. Payment for access will not be made separately, but will be considered incidental to the Contract.
- The pier riprap layout as shown on the General Plan is approximate. The dimensions of the pier riprap extent represent the minimum required. The final layout of the pier riprap shall adequately fill in the riverbed scour hole as directed by the Resident.
- The total compact mass of the pier scour countermeasure - heavy riprap shall consist of a maximum of 25% plain riprap. The quantity of plain riprap (item 610.521) included in this Contract shall be used as chinking stone to reduce the size and number of void spaces in the heavy riprap placed around the piers (item 610.52). The plain riprap shall be blended with the heavy riprap before or during placement in order to create a denser mass of riprap in the river.
- Stone removed during excavation may be reused as plain or heavy riprap if it satisfies the material requirements in the Specifications and is approved by the Resident.
- Removal of the existing grouted riprap around abutment 2 will not be paid for separately, but shall be considered incidental to related Contract items.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		19315.00		WIN 19315.00		BRIDGE NO. 3901 BRIDGE PLANS	
SOLDIER POND BRIDGE FISH RIVER WALLAGRASS AROOSTOOK COUNTY		ESTIMATED QUANTITIES		GENERAL NOTES		SHEET NUMBER	
2		OF 6		PROJ. MANAGER		Steve Bodge	
DESIGN-DETAILED		R. Myers		BY		DATE	
CHECKED-REVIEWED		M. Wight		D. Sullivan		M. Poulin	
DESIGN-DETAILED		SIGNATURE		P.E. NUMBER		DATE	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

19315-10

19315-11



* NOTE:
Items Location Are Estimated From Information
Provided on The Dive Inspection Report Dated
7/7/2008

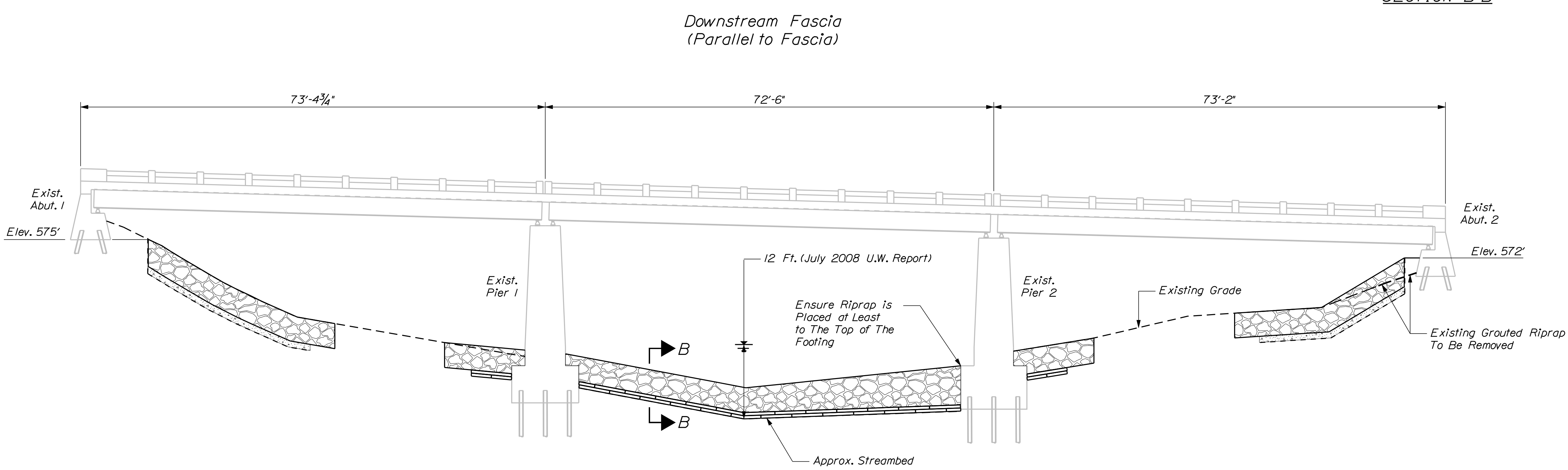
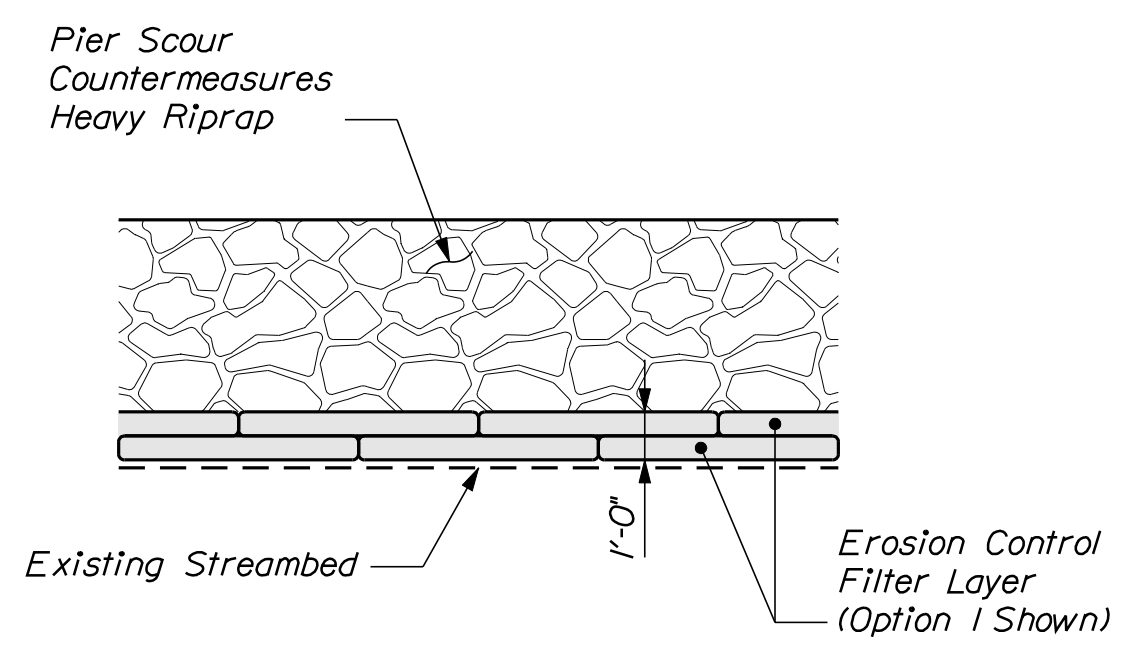
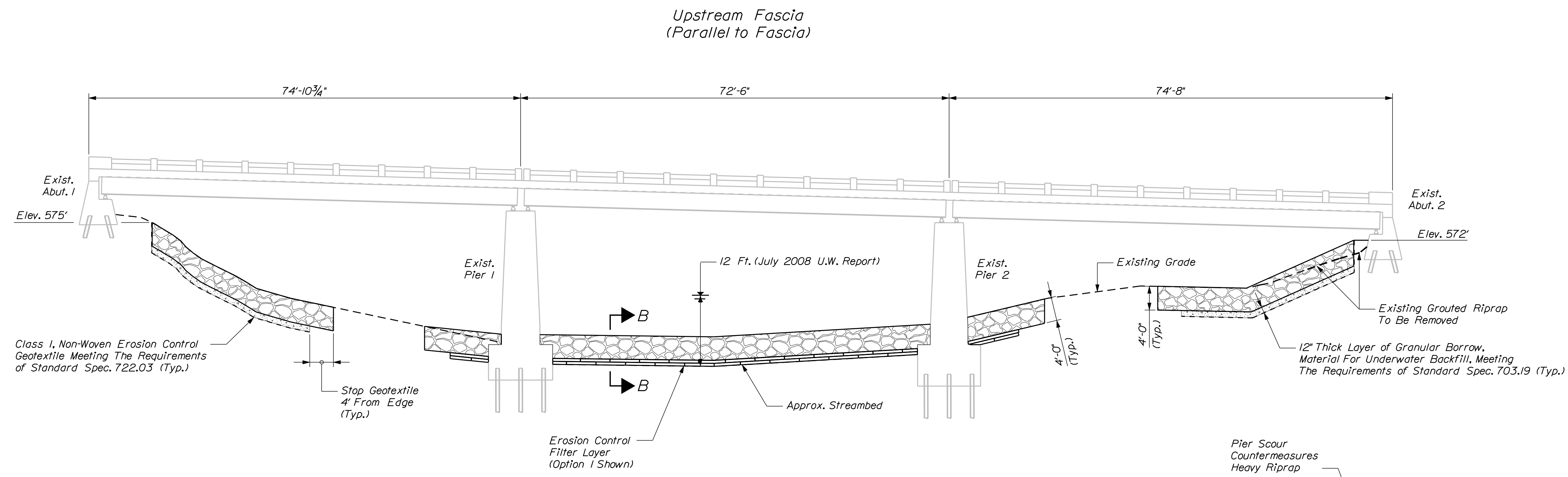
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
19315.00		WIN 19315.00	
BRIDGE NO. 3901		BRIDGE PLANS	
SOLDIER POND BRIDGE		FISH RIVER	
WALLAGRASS		AROOSTOOK COUNTY	
GENERAL PLANS		SHEET NUMBER	
3		OF 6	
PROJ. MANAGER	Steve Bodge	BY	DATE
DESIGN DETAILED	R. Myers	D. Sullivan	
CHECKED/REVIEWED	M. Wight	M. Poulin	
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE		DATE	

Date: 4/19/2012

Username: mark.poulin

Division: BRIDGE

Filename: ... \00\bridge\msta\004_Profile.dgn

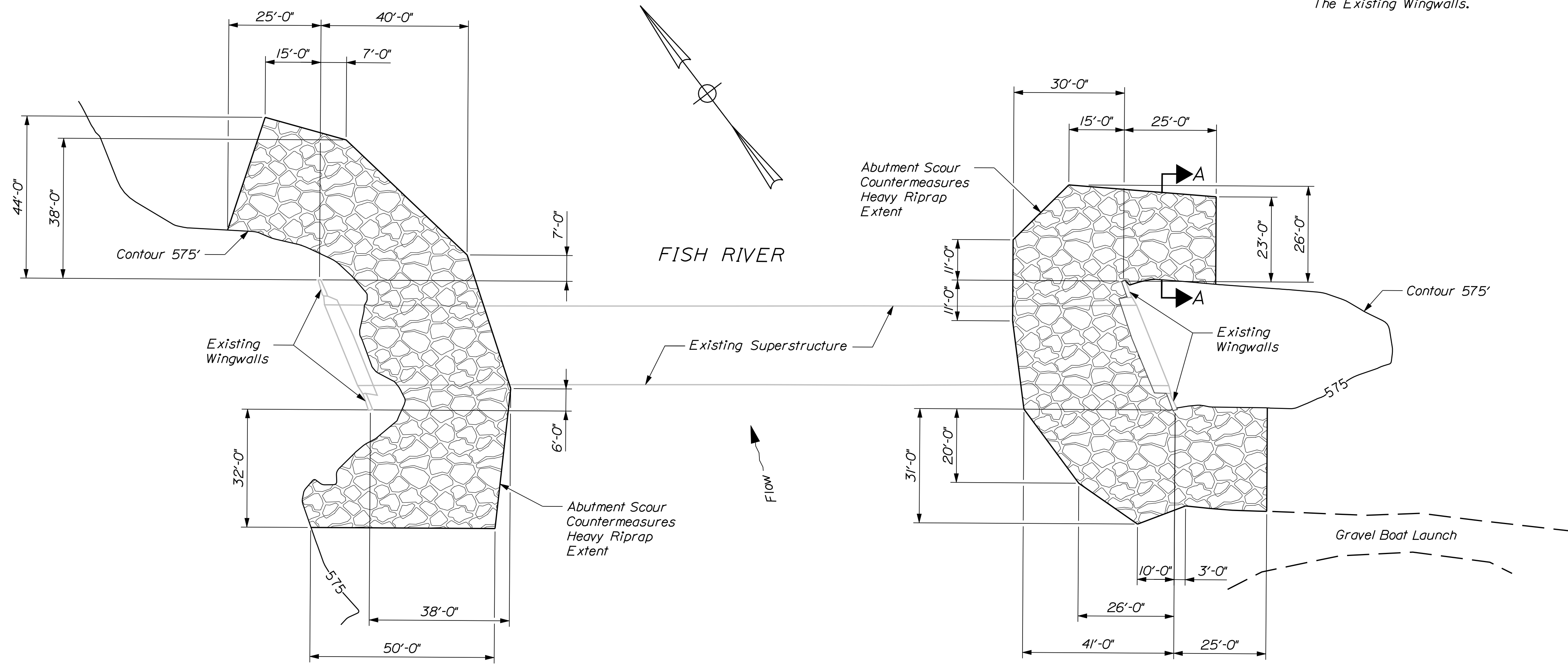


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
19315.00
WIN
19315.00
BRIDGE NO. 3901
BRIDGE PLANS

PROJ. MANAGER	Steve Bodge	DATE
DESIGN-DETAILED	R. Myers	
CHECKED-REVIEWED	M. Wight	
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

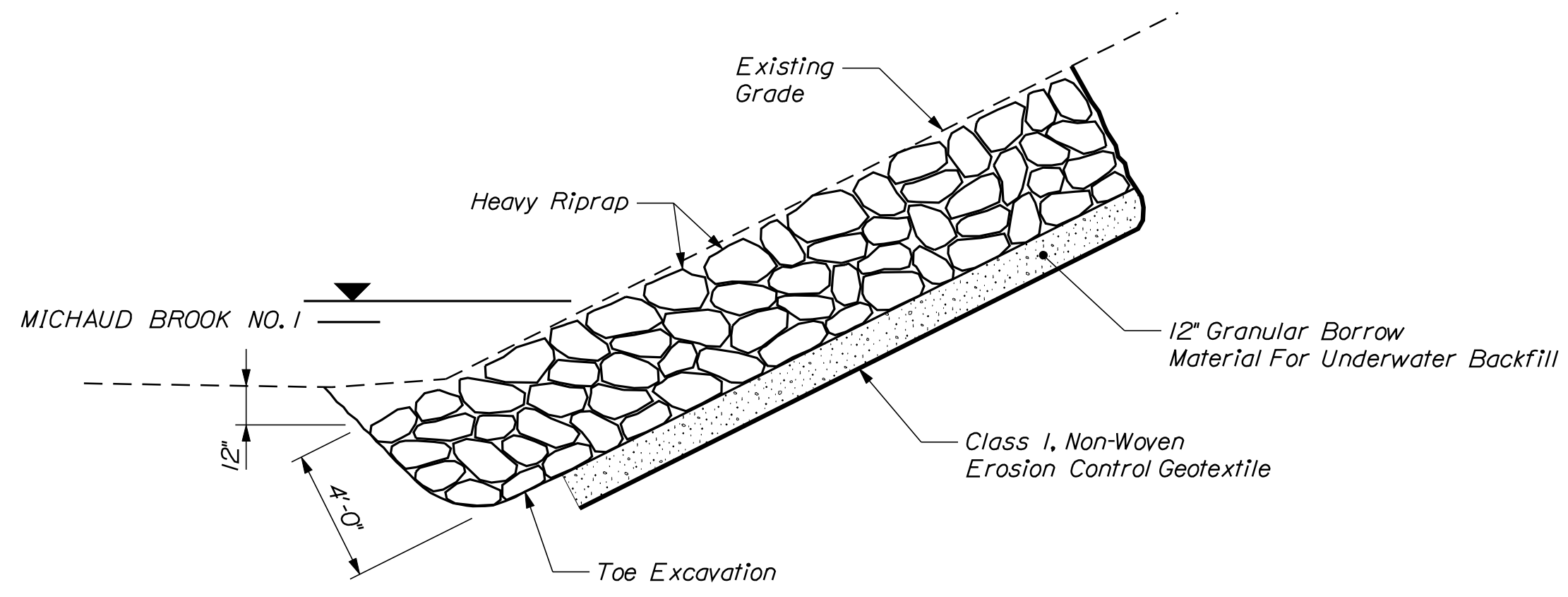
SOLDIER POND BRIDGE
FISH RIVER
WALLAGRASS AROOSTOOK COUNTY
PROFILE

SHEET NUMBER
4
OF 6



NOTES

1. Dimensions Are Parallel or Perpendicular to Existing Bridge Alignment.
2. Unless Otherwise Shown, Dimensions Are Referenced Off The Ends of The Existing Wingwalls.



SECTION A-A
(AT MICHAUD BROOK NO.1)

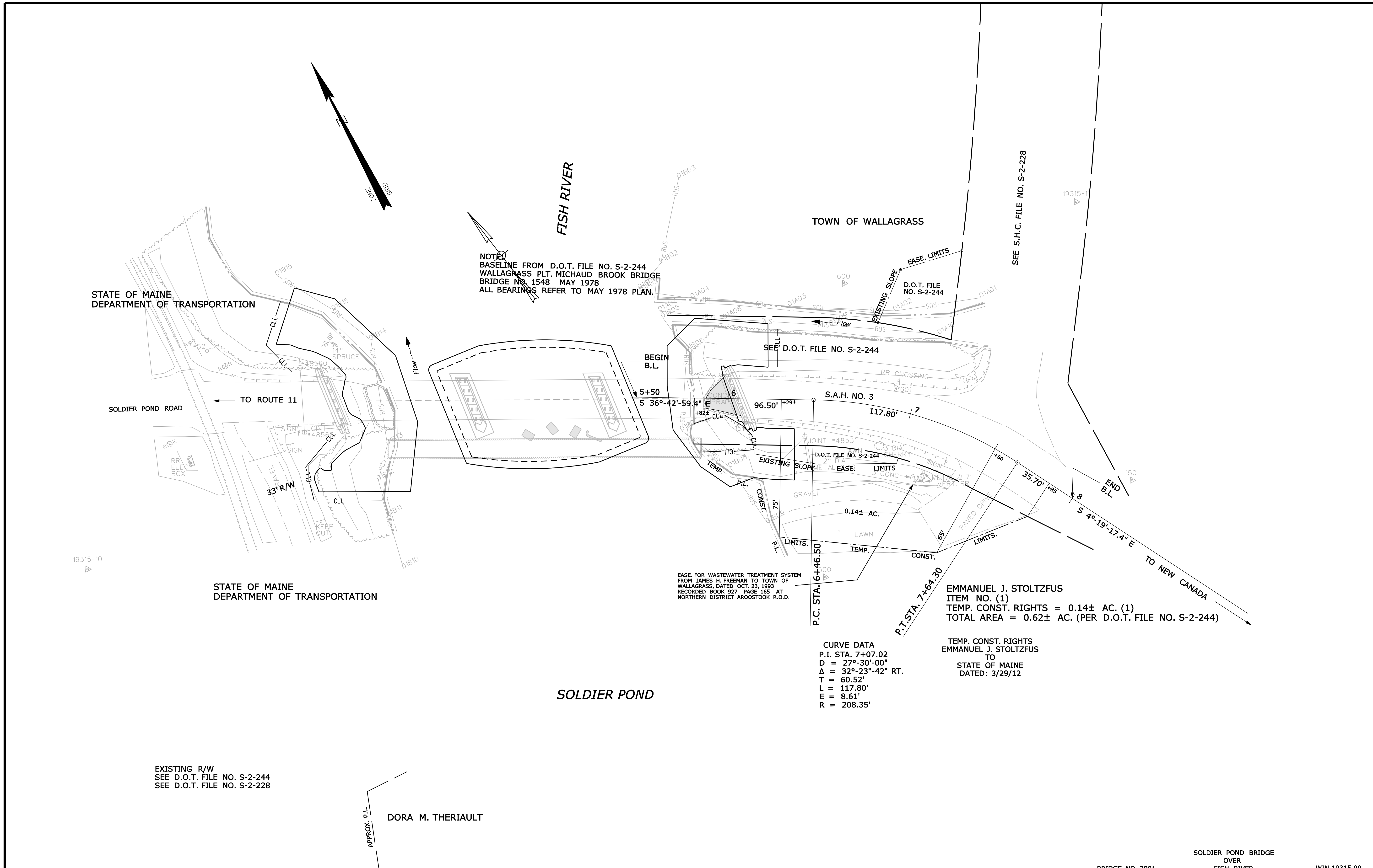
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
19315.00		WIN 19315.00	
BRIDGE NO. 3901		BRIDGE PLANS	
SOLDIER POND BRIDGE		FISH RIVER	
WALLAGRASS		AROOSTOOK COUNTY	
RIPRAP LAYOUT		SHEET NUMBER	
5		OF 6	
PROJ. MANAGER	Steve Bodge	BY	DATE
DESIGN-DETAILED	R. Myers	D. Sullivan	
CHECKED-REVIEWED	M. Wight	M. Poulin	
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE		DATE	

Date: 4/19/2012

Username: mark.poulin

Division: BRIDGE

Filename: ... \00\ROW\MSTA\001_RWPLAN1.dgn



SYMBOLS

• IP or • PIP (IRON PIPE OR PIN FOUND)	○ WELLS
□ S.T. (SEPTIC TANK)	○ CONSTRUCTION LIMIT LINE
△ BM (TRAVERSE POINT)	○ PROPERTY LINE
— WATER LINE	— PL
— GAS LINE	— LIMITS OF TROUGHT PORTION (L.O.T.P.)
— ELECTRIC LINE	— EXISTING RIGHT OF WAY
— TELEPHONE LINE	— NEW RIGHT OF WAY
— SEWER LINE	— NEW ROW WITHIN EXIST. ROW
	— CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W		
PROP. LINES		
AREAS	D.S.G.	D.S.G.

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

NO.	DATE	REVISIONS 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

PLAN NOT TO BE RECORDED

STATE AID HIGHWAY NO. 3
 SOLDIER POND ROAD
 WALLAGRASS AROOSTOOK COUNTY
 STATE PROJECT NO. 19315.00

FEBRUARY 2012
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 1 OF 1

D.O.T. FILE NO. 2-539

SHEET NUMBER

6

OF 6