

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



LIST OF DRAWINGS

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TRAFFIC DATA

Current (2016) AADT	2810
Future (2026) AADT	3090
DHV - % of AADT	11
Design Hour Volume	371
Heavy Trucks (% of AADT)	21
Heavy Trucks (% of DHV)	15
Directional Distribution (% of DHV)	51
18 kip Equivalent P 2.0	920
18 kip Equivalent P 2.5	876
Design Speed (mph)	NA

HYDROLOGIC DATA

Design Discharge (Q50)	1284 cfs
Check Discharge (Q100)	1437 cfs
Headwater Elevation (Q10)	514.6 ft
Headwater Elevation (Q50)	515.5 ft
Headwater Elevation (Q100)	515.9 ft
Discharge Velocity (Q10)	11.9 ft
Discharge Velocity (Q50)	12.7 fps
Discharge Velocity (Q100)	12.8 fps

UTILITIES

None Involved

MAINTENANCE OF TRAFFIC

Maintain two-way traffic whenever possible and when necessary, alternating one-way traffic may be used.

CARATUNK SOMERSET COUNTY PLEASANT POND #3 BRIDGE OVER PLEASANT POND STREAM U.S. ROUTE 201 FEDERAL AID PROJECT NO. NHPP-2261(700) PROJECT LENGTH 0.000 mi. BRIDGE NO. 5976

Date: 12/15/2015

Username: mark.poulin

Division: BRIDGE

Filename: \\00\BRIDGE\MSTA\001_Title.dgn

WIN 22617.00

NHPP-2261(700)

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		12/22/15
CHIEF ENGINEER: <i>[Signature]</i>		12-21-15



Michael Harry Wright
 SIGNATURE
 8089
 P.E. NUMBER
 12/15/2015
 DATE

PROGRAM	BRIDGE
PROJECT MANAGER	M. WRIGHT
DESIGNER	T. HELM
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

NHPP-2261(700)
 CARATUNK
 PLEASANT POND STREAM #3 BRIDGE
 TITLE SHEET

<u>PROJECT LOCATION</u>	0.15 Miles North of River Road on US Route 201 Lat. 45°-14'-04" Long. -69°-59'-45"
<u>PROGRAM AREA</u>	Bridge
<u>OUTLINE OF WORK</u>	Bridge Scour Countermeasures

SHEET NUMBER
1
 OF 5

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
502.83	PRECAST BLOCK MAT	2,325	SF
511.07	COFFERDAM: (Upstream)	1	LS
511.07	COFFERDAM: (Downstream)	1	LS
610.08	PLAIN RIPRAP	120	CY
613.319	EROSION CONTROL BLANKET	30	SY
615.0701	LOAM - PLAN QUANTITY	10	CY
618.14	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	2	UN
619.1201	MULCH - PLAN QUANTITY	2	UN
619.1401	EROSION CONTROL MIX	10	CY
620.58	EROSION CONTROL GEOTEXTILE	210	SY
629.05	HAND LABOR, STRAIGHT TIME	20	HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
639.20	FIELD OFFICE TYPE C	1	EA
652.312	TYPE III BARRICADE	2	EA
652.33	DRUM	25	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGNS	138	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	60	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

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

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

3. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.

4. 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.

5. 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.

6. The two yellow and red scour placards attached to the substructure shall be removed and properly disposed of by the Contractor. This work shall not be paid for directly, but considered incidental to related contract items.

7. Sections shown on the design plans depict "typical" conditions and the intent of the installation which may have to be altered to fit actual site conditions as directed by the Resident.

8. Areas shown of the countermeasure installation are approximate and represent the minimum dimensions desired. The Resident may direct modifications to fit site conditions.

9. Estimates of quantities are necessarily approximate. Payment will be made on an actual quantities installed to the satisfaction of the Resident.

10. Grout testing and curing boxes shall be considered incidental to related Contract Items.

11. 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.

12. The Contractor shall field verify stream bed elevations along the upstream bridge fascia, downstream bridge fascia and along the centerline of the bridge. Streambed elevations shall be taken every five (5) feet along all three lines and provided to the Resident. The Resident will determine final streambed elevation(s) based on this information. This work shall not be paid for directly. Payment shall be considered incidental to related Contract Items.

13. Excavation required for installation of countermeasures as shown on the plans shall be considered incidental to related Contract Items.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NHP-2261(700)
WIN
22617.00
BRIDGE NO. 5976
BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	T. HJELM	MRP	APRIL 2015
CHECKED-REVIEWED	M. WIGHT		
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PLEASANT POND
PLEASANT POND STREAM
SOMERSET COUNTY
CARATUNK
ESTIMATED QUANTITIES
&
CONSTRUCTION NOTES

SHEET NUMBER

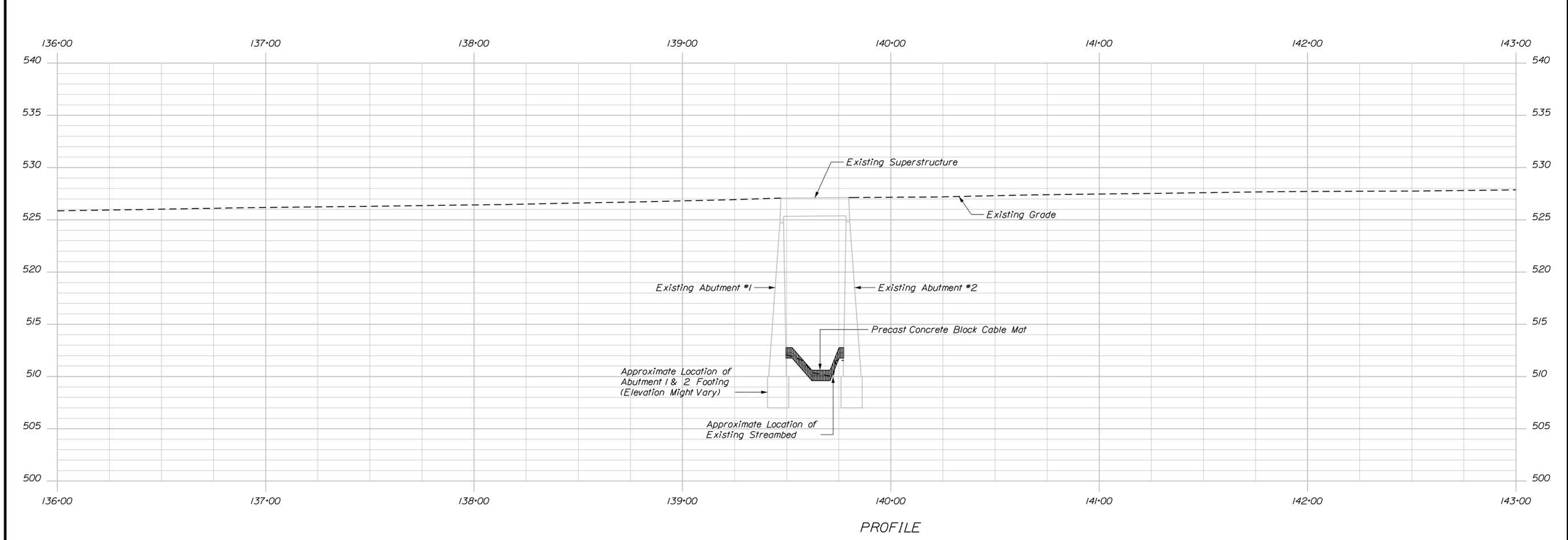
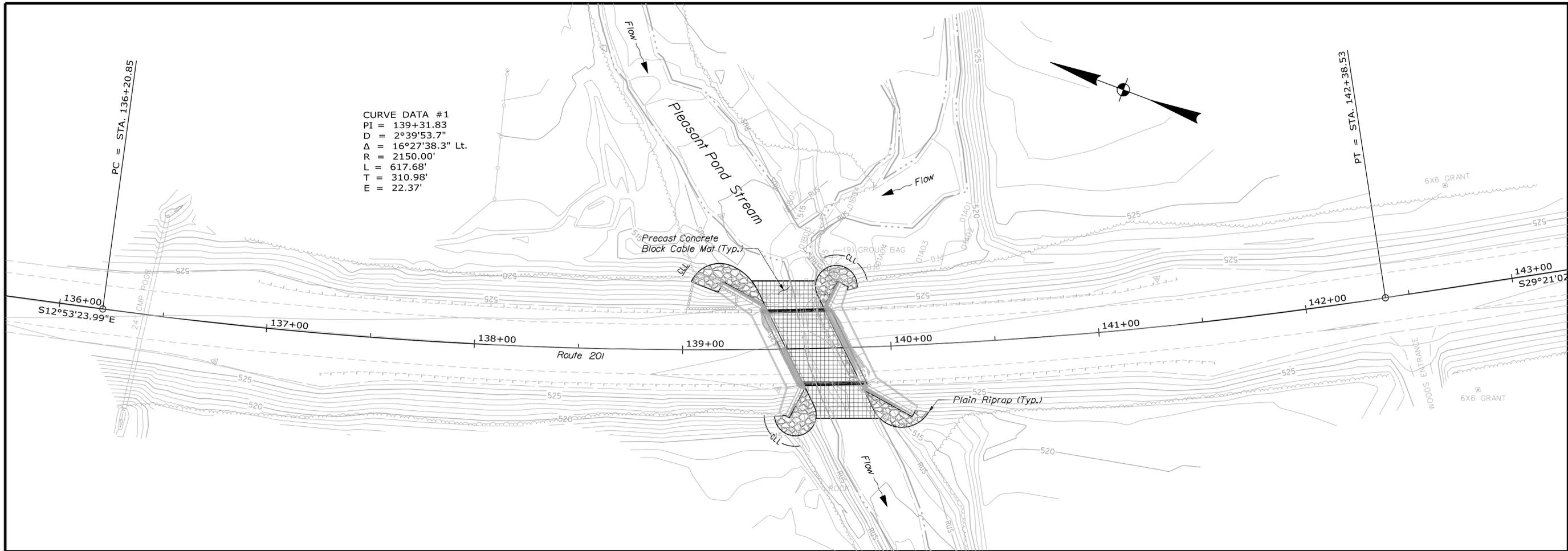
2

OF 5

Date: 12/17/2015

Username: mark.poulin

Filename: ... \00\BRIDGE\MSTA\003_BDP\Plan1.dgn Division: BRIDGE



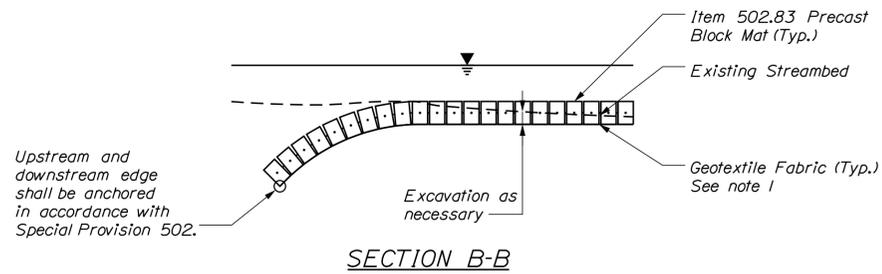
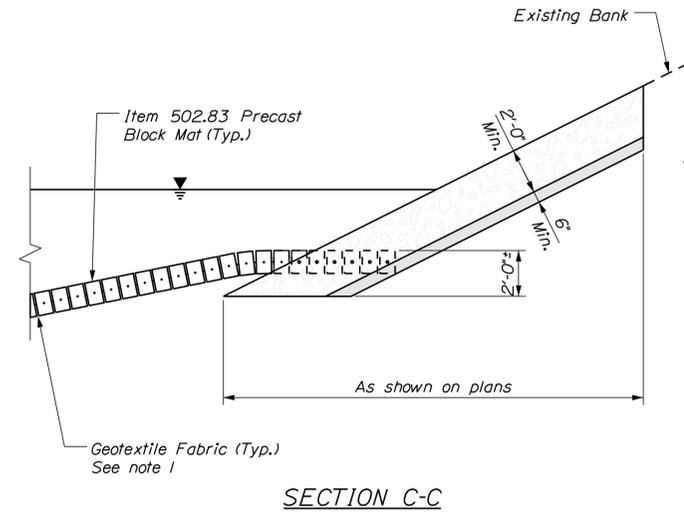
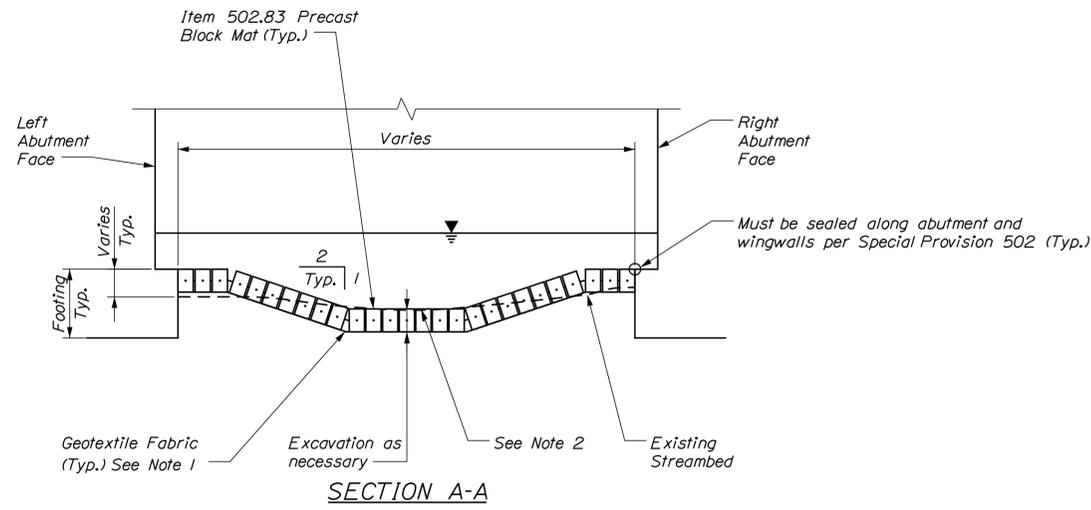
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
22617.00
WIN 22617.00
BRIDGE NO. 6976
BRIDGE PLANS

PROJ. MANAGER	DATE	SIGNATURE
DESIGN DETAILED		
CHECKED/REVIEWED		
DESIGN DETAILED		
DESIGN DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

M. WIGHT	BY	DATE
T. HELM	MRP	

PLEASANT POND
PLEASANT POND STREAM
SOMERSET COUNTY
CARATUNK
GENERAL PLAN & PROFILE

SHEET NUMBER
3
OF 5



NOTE: Upstream shown, downstream similar

NOTES:

1. For required low flow channel dimensions, see the related countermeasure specification. Upstream and downstream transition of low flow channel to existing streambed shall be as directed by the Resident.
2. To the maximum extent possible, except to create a low flow channel, the top surface of the scour countermeasure shall match the existing streambed. The Contractor work shall not undermine or otherwise threaten the stability of the bridge foundations or retaining wall foundation.
3. The thickness of the Precast Block Mat shall be 8 1/2 inches.
4. Dredge generated from placement of Precast Block Mat shall be reused on site.

PROJ. MANAGER	M. WIGHT	DATE
DESIGN-DETAILED	T. HJELM	APRIL 2015
CHECKED-REVIEWED	MRP	SIGNATURE
DESIGN-DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PLEASANT POND
PLEASANT POND STREAM
SOMERSET COUNTY
CARATUNK
PRECAST CONCRETE CABLE MAT DETAILS

SHEET NUMBER

4

OF 5

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJUTING PROPERTY OWNERS.

CURVE DATA #1
 PI = 139+31.83
 D = 2°39'53.7"
 Δ = 16°27'38.3" Lt.
 R = 2150.00'
 L = 617.68'
 T = 310.98'
 E = 22.37'

CURVE DATA #1
 PI = 139+31.83
 D = 2°39'53.7"
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CHANNEL DIVERSION EASEMENT
 ACQUIRED AS PART OF
 S.H.C. FILE NO. 13-123
 OCTOBER 1962

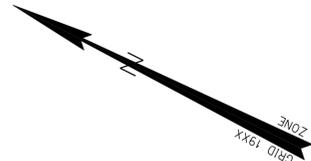
SLOPE EASEMENT
 ACQUIRED AS PART OF
 S.H.C. FILE NO. 13-123
 OCTOBER 1962

EXISTING CONST.
 LIMIT LINE

Precast Concrete
 Block Cable Mat (Typ.)

Plain Riprap (Typ.)

CHANNEL DIVERSION EASEMENT
 ACQUIRED AS PART OF
 S.H.C. FILE NO. 13-123
 OCTOBER 1962

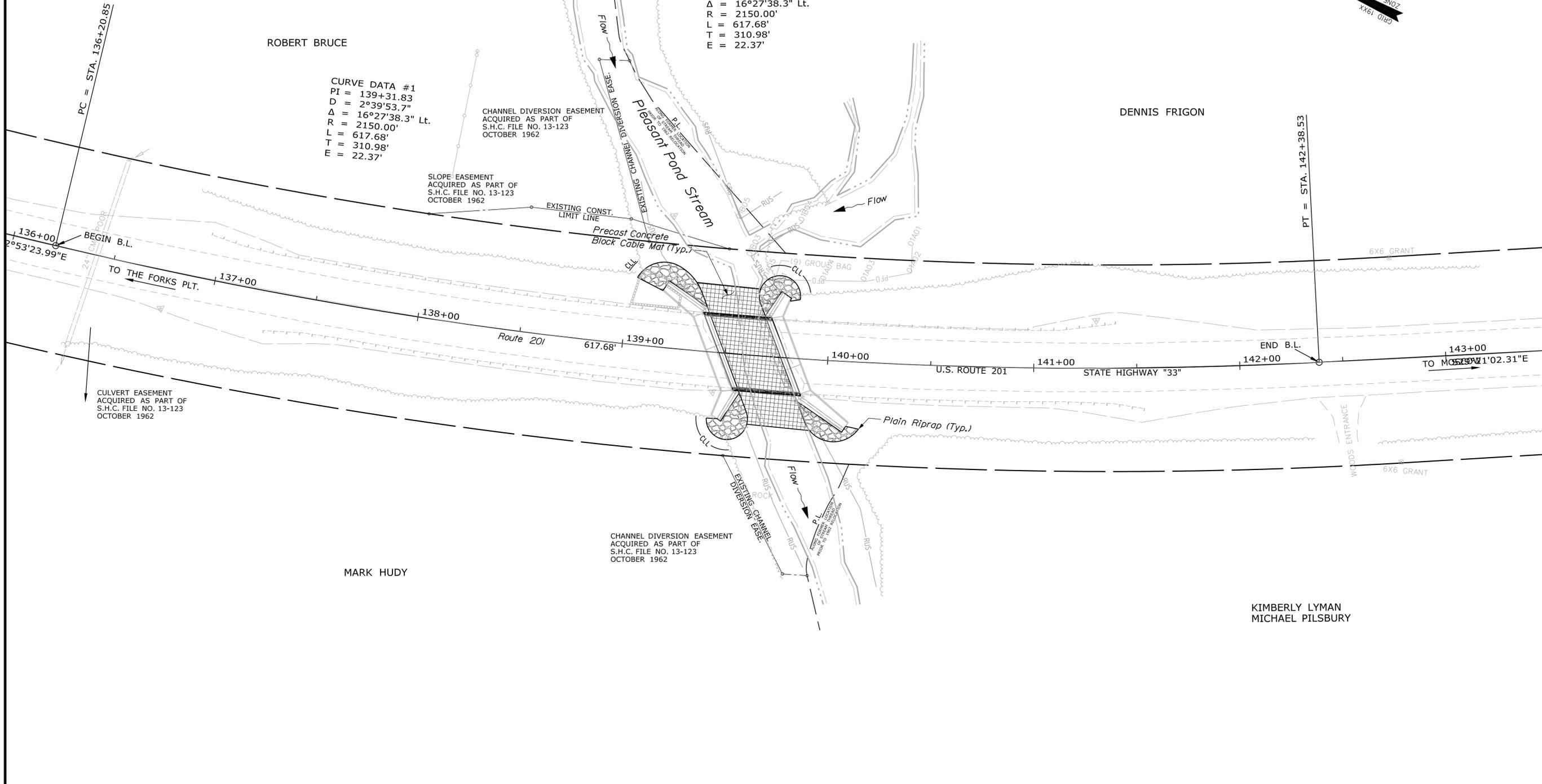


ROBERT BRUCE

DENNIS FRIGON

MARK HUDY

KIMBERLY LYMAN
 MICHAEL PILSBURY



EXISTING RIGHT OF WAY REFERENCES
 S.H.C. FILE NO. 13-123
 OCTOBER 1962, SHEET NO. 5

SEE BOUNDARY SURVEY PREPARED FOR
 MARK HUDY BY SACKETT & BRAKE SURVEY, INC.
 SOMERSET COUNTY R.O.D. PLAN FILE NO. 2010-60

BRIDGE NO. 5976 PLEASANT POND #3 OVER PLEASANT POND STREAM WIN 22617.00

SYMBOLS

●	P or R (IRON PIPE or PIN FOUND)	○	WELL
□	S.T. (SEPTIC TANK)	---	GRAVING LIMIT LINE
△	TRAVERSE POINT	---	CONSTRUCTION LIMIT LINE
—	WATER LINE	—	PROPERTY LINE
—	GAS LINE	—	LIMITS OF WROUGHT PORTION (L.O.W.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	PNS	
PROP. LINES	PNS	
AREAS		

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

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD		DAVID BERNHARDT COMMISSIONER
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	

STATE HIGHWAY NO. 33
 U.S. ROUTE 201
 CARATUNK SOMERSET COUNTY
 FEDERAL AID PROJECT NO. NHPP-2261(700)

APRIL 2015
 SCALE 1" = 25'
 RIGHT-OF-WAY MAP
 SHEET 1 OF 1

SHEET NUMBER
5
 OF 5

Date: 12/17/2015

Username: mark.poulin

Division: BRIDGE

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