

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



FORT KENT AROOSTOOK COUNTY

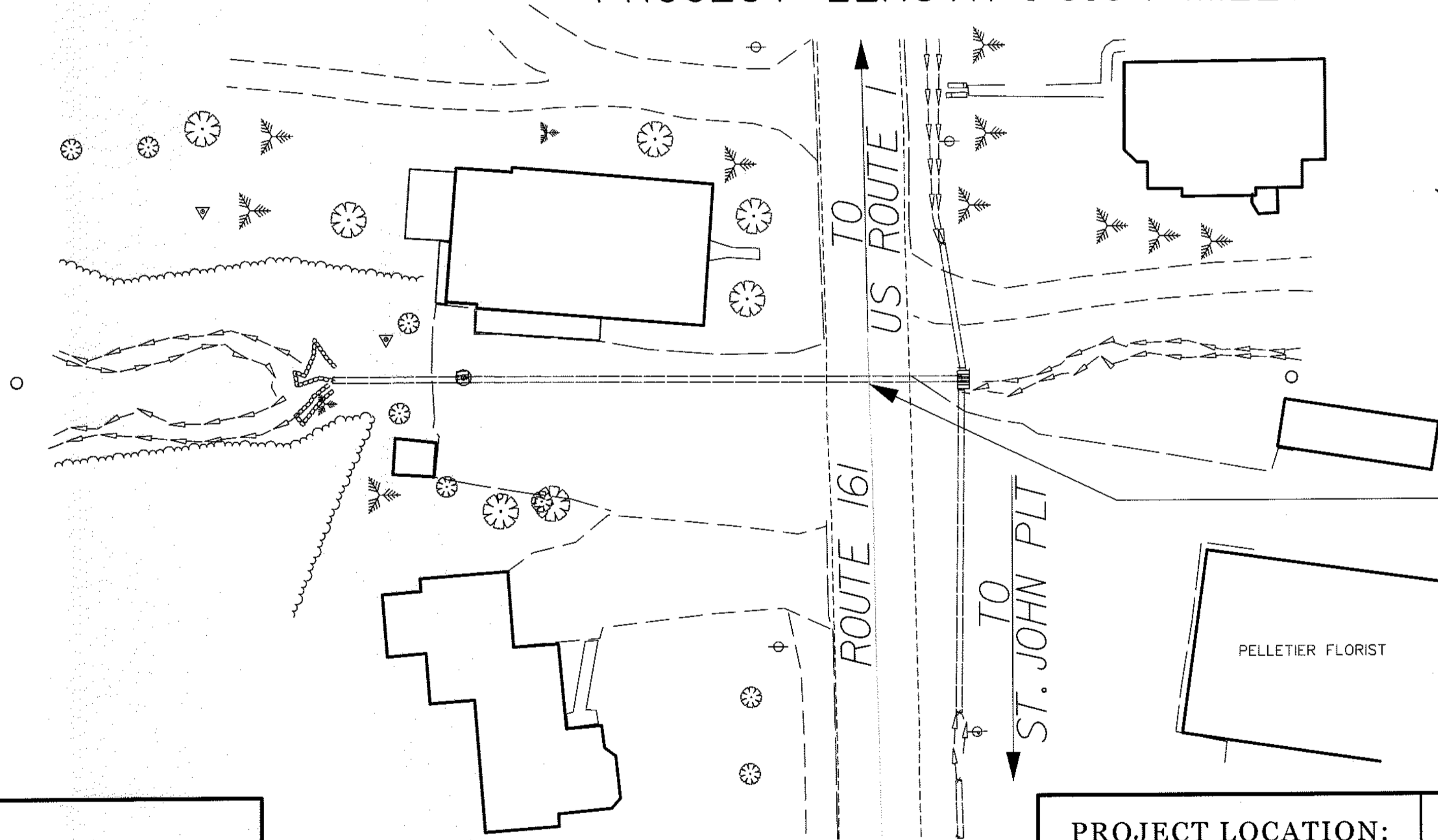
ROUTE 161

STATE PROJECT NO. 19246.00

PROJECT LENGTH : 0.04 MILES

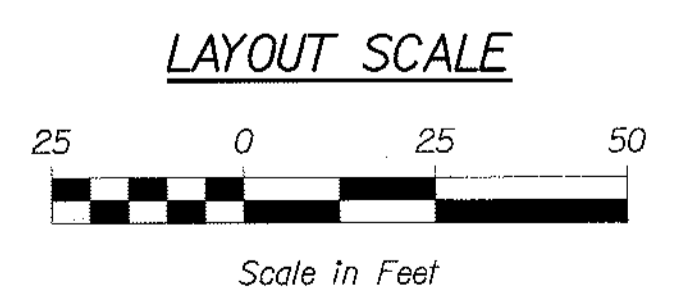
PLAN LEGEND	
Town, County, State	Centerline-Existing
Property Lines	Centerline-Proposed
R/W Lines-Existing	Travelway-Existing
R/W Lines-Proposed	Travelway-Proposed
Culvert-Existing	Railroad
Culvert Proposed	Catch Basins
Curbing Existing	Manholes
Curbing Proposed	Proposed Underdrain
Type 1	Proposed Ditch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

INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
Estimated Quantities	2
Plans	3
Cross - Sections	4
Right of Way Map	5



STA. 11+90
SLIP LINE 32" X 48" PIPE ARCH
WIN 19246.00

TRAFFIC DATA	
Current (Estimated) AADT	3124
Functional Class	Major/Urban Collector



PROJECT LOCATION:	On Route 161: Located at RLM 55.84
PROGRAM AREA:	Highway Program
OUTLINE OF WORK:	Strut Rehabilitation: Rehabilitation of existing pipe arch. Work will include slip lining of the existing pipe arch.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
APPROVED	DATE
<i>[Signature]</i>	8/13/12
COMMISSIONER:	
CHIEF ENGINEER:	

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	JON BITHER
DESIGNER	
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SIGNATURE	
P.E. NUMBER	10665
DATE	8/13/12

FORT KENT ROUTE 161
TITLE SHEET

SHEET NUMBER	1
OF 5	

Username: Raymond.demerchant Date: 8/2/2012
 Division: HIGHWAY
 Filename: ... \HIGHWAY\MSTA\001_Title_1.dgn

WIN 19246.00

403.2090 HOT MIX ASPHALT 9.5 MM (INCIDENTALS)
 STA. 11+78 96' RT
 STA. 12+03 96' RT

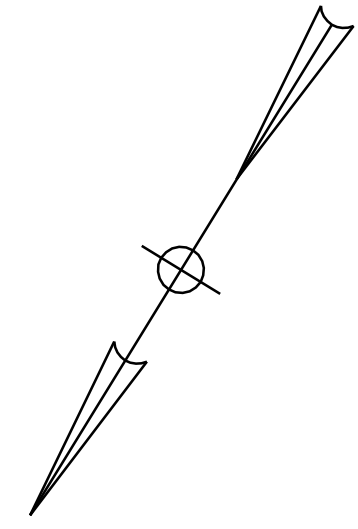
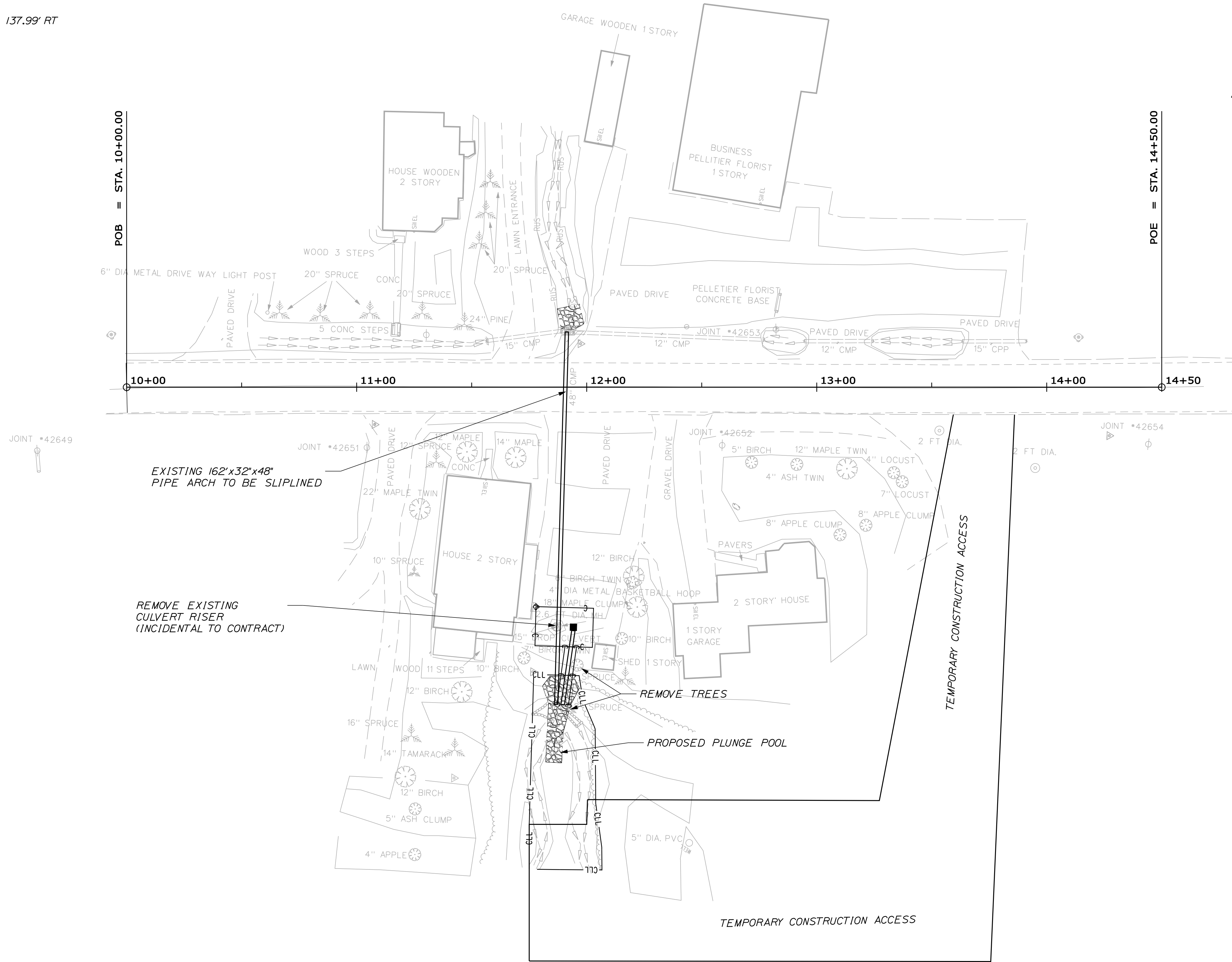
509.201 CULVERT SLIP-LINING
 STA. 11+92, 24' LT
 STA. 11+86 144.50' RT

603.16 15-INCH CULVERT PIPE-OPT. 1
 STA. 11+94.23 104.32' RT TO STA. 11+89.56 137.99' RT

604.249 CATCH BASIN TYPE F6-C
 STA. 11+94.23 104.32' RT

610.08 PLAIN RIPRAP
 STA. 11+92, 24' LT
 STA. 11+86 144.50' RT

620.58 EROSION CONTROL GEOTEXTILE
 STA. 11+92, 24' LT
 STA. 11+86 144.50' RT



Username: Raymond.demerchant Date:8/9/2012

Division: HIGHWAY

Filename: ... \highway\msta\002_HDPlant.dgn

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
WIN 19246.00		HIGHWAY PLANS	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER	BY	DATE	
DESIGN DETAILED			
CHECKED-REVIEWED			
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
FORT KENT ROUTE 161		PLANS	
SHEET NUMBER		2	
		OF 5	

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
403.209	HOT MIX ASPHALT 9.5 MM (INCIDENTALS)	6	T
411.10	UNTREAT AGGR SURF CRS, TR MEAS	5	CY
509.201	CULVERT SLIPLINING	162	LF
603.16	15" CULV PIPE OPTION 1	35	LF
604.249	CATCH BASIN TYPE F6-C	1	EA
610.08	PLAIN RIPRAP	50	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	2	UN
619.1201	MULCH - PLAN QUANTITY	2	UN
620.58	EROSION CONTROL GEOTEXTILE	100	SY
629.05	HAND LABOR, STRAIGHT TIME	5	HR
631.10	AIR COMPRESSOR (INC. OPERATOR)	5	HR
631.11	AIR TOOL (INC. OPERATOR)	5	HR
631.12	ALL PURPOSE EXCAVATOR (INC. OPERATOR)	5	HR
631.172	TRUCK - LARGE (INC. OPERATOR)	10	HR
631.18	CHAIN SAW RENTAL (INC. OPERATOR)	5	HR
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	190	SF
652.36	MAINT OF TRAFFIC CONTR DEVICES	40	CD
652.38	FLAGGER	40	MH
656.75	TEMP. SOIL EROSION AND WATER POLLUTION CONTROL PLAN	1	LS
659.10	MOBILIZATION	1	LS

GENERAL NOTES

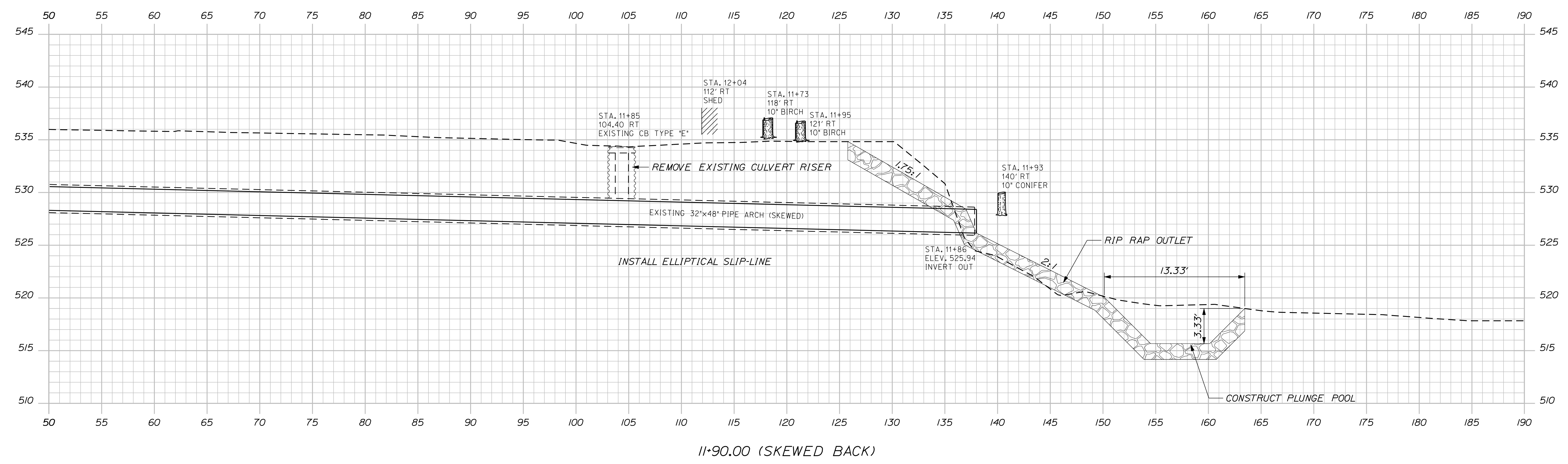
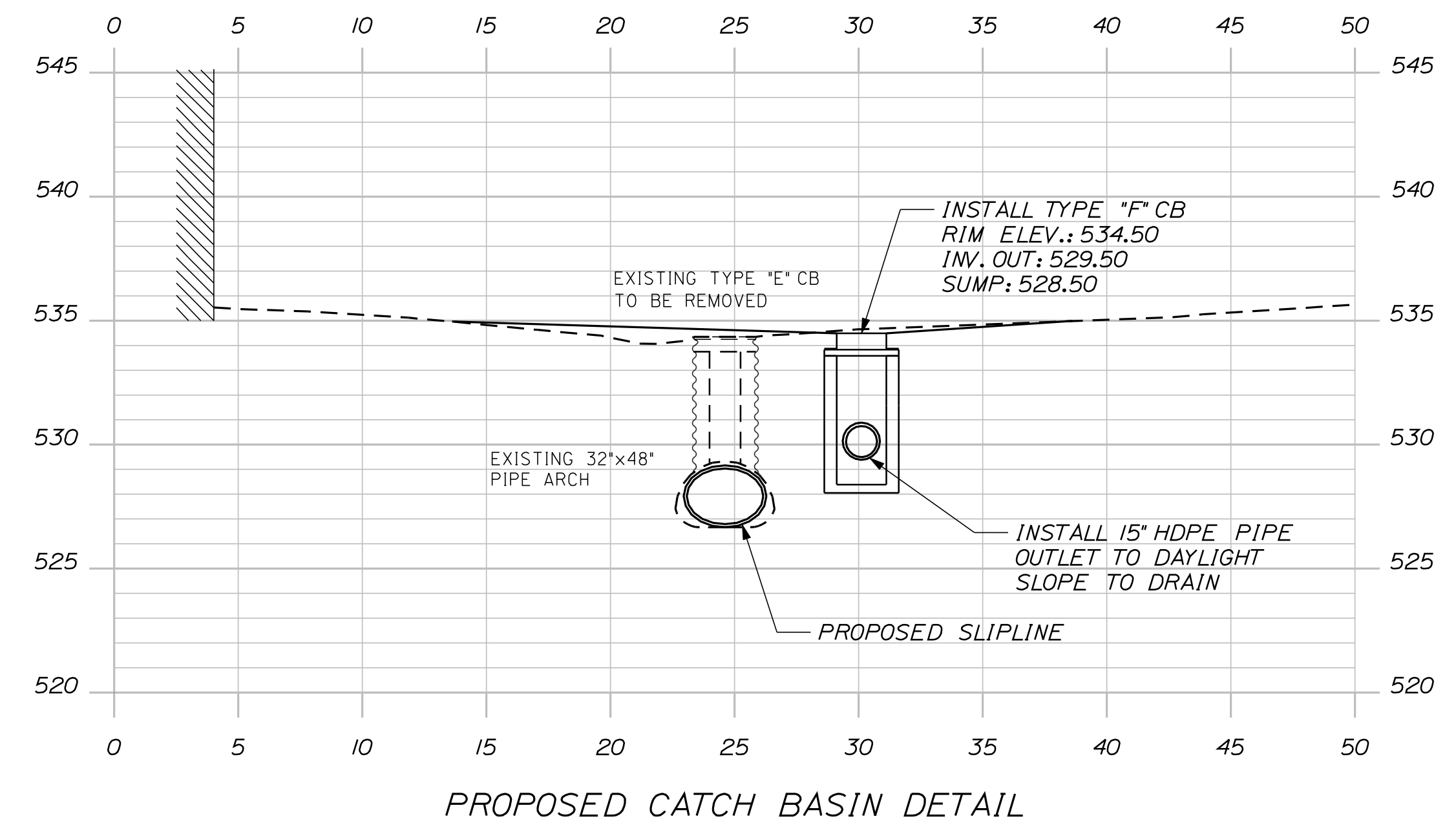
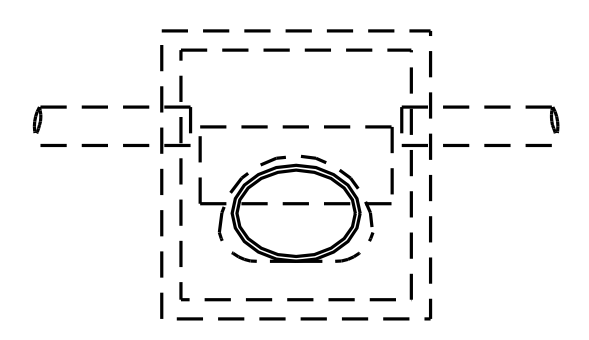
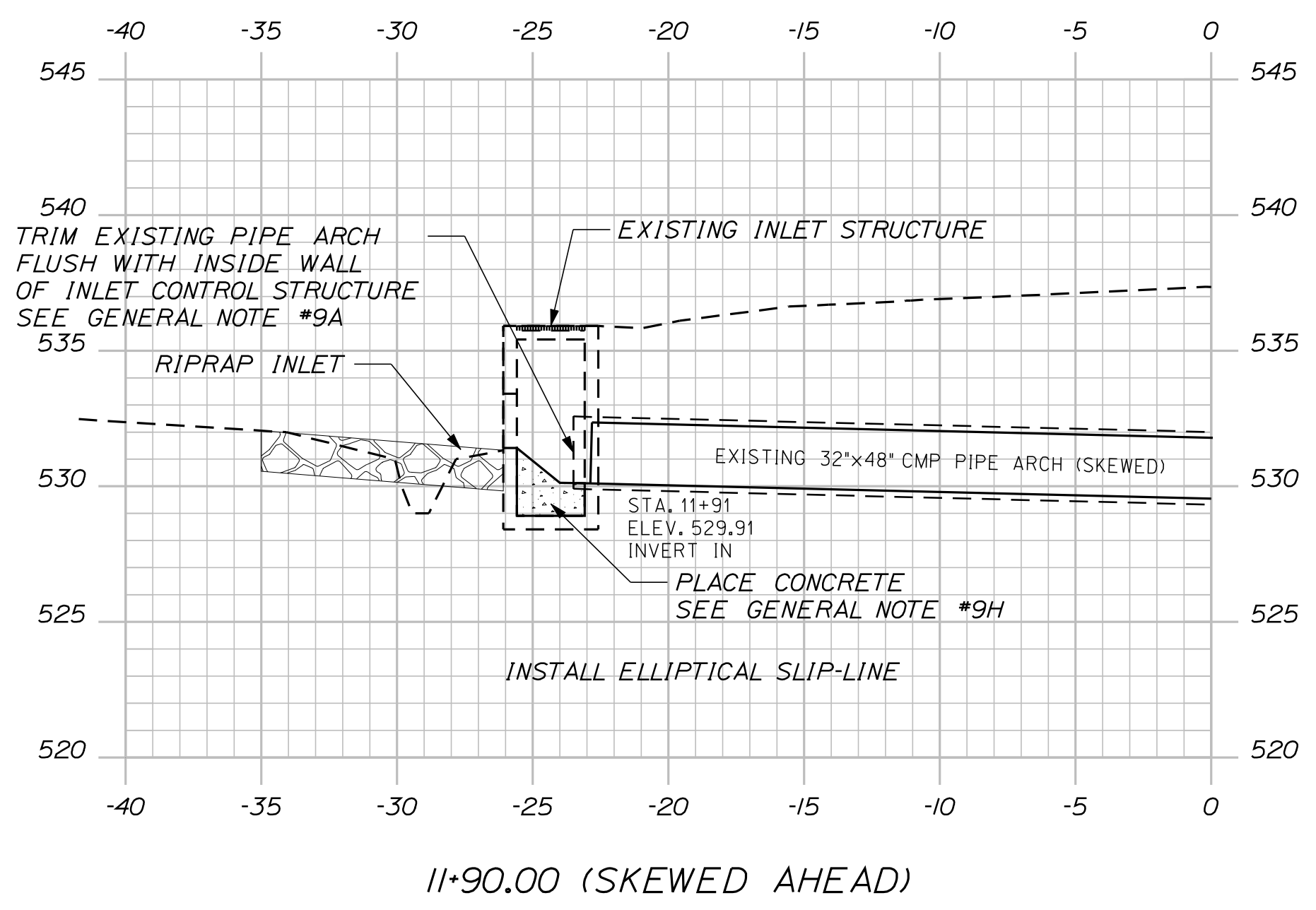
1. The Contractor shall perform field measurements before fabrication to insure the slip-line pipe will fit the current pipe conditions.
2. The Contractor is responsible for assuring that the pipe does not "Float" during the grouting operation. The cost to restrain the pipe will be incidental to the culvert slip-lining.
3. The Contractor shall use low pump pressure and have no delays in placing of the annular space grout. An annular space grout representative shall be on site during placement of the grout material.
4. All work necessary to access the inlet and outlet of each pipe location will be incidental to Item 509.201. Upon completion of slip-lining the culverts, the contractor will restore all disturbed areas to the satisfaction of the MaineDOT.
5. Clearing required, as depicted by clearing limit lines on the plans, will be considered incidental to the the contract.
6. All waste material not used on the project shall be disposed of off the project in waste areas approved by the Resident.
7. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment and materials required to make repairs shall be at the Contractor's expense.
8. No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.
9. The following shall be incidental to item 509.201
 - A. Any cutting of existing culverts and or connectors necessary to install new culvert replacements or extensions
 - B. All pipe excavation including any cutting and removal of pavement
 - C. All ditching at pipe ends
 - D. Furnishing, placing, grading, and compacting of any new gravel and/or fill material.
 - E. Granular Borrow under the pipe shall meet the requirements for Underwater Backfill
 - F. All work necessary to connect to existing pipes
 - G. Any necessary clearing of brush and small trees at culvert ends
 - H. Concrete required to fill below flow line within inlet control structure
10. "Undetermined Locations" shall be determined by the Resident.
11. Stations referenced are approximate.
12. Item *411.10 Untreated Aggregate Surface Course, may also meet the gradation requirements of Item *204.20 Add Shoulder Aggregate.
13. Dredge Material (See MDOT Standard Specifications, Section 101.2) is regulated as a Special Waste. Fifty cubic yards or less of Dredge Material Beneficially Used in the area adjacent to and draining into the dredged water body is exempt from Beneficial Use Permits. The Contractor shall ensure that Dredge Material is placed into the fill areas specified by MDOT. No more than the fifty cubic yards (38 cubic meters) of Dredge Material may be excavated without authorization from the Resident. Any Dredge Material not Beneficial Used (excess Dredge Material) shall be dispose of at a landfill licensed by the Maine Department of Environmental Protection to accept Special Waste. The Contractor shall be responsible for making all necessary arrangements for dewatering and proper disposal of the Dredge Material, including any additional laboratory testing, in accordance with the landfill's license. The Contractor shall provide documentation to the Resident that any such Dredge Material was disposed of as specified.
14. All work shall be done in accordance with the Maine Department of Transportation's Best Management Practices for Erosion Control & Sedimentation Control, February, 2008.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
WIN 19246.00		WIN 19246.00	
HIGHWAY PLANS			
PROJ. MANAGER	BY	DATE	SIGNATURE
DESIGN DETAILED	CHECKED/REVIEWED	DESIGN DETAILED	P.E. NUMBER
DESIGN DETAILED	DESIGN DETAILED	REVISIONS 1	DATE
REVISIONS 1	REVISIONS 2	REVISIONS 3	DATE
REVISIONS 2	REVISIONS 3	REVISIONS 4	DATE
REVISIONS 3	REVISIONS 4	FIELD CHANGES	DATE
REVISIONS 4	FIELD CHANGES	ESTIMATED QUANTITIES	
FORT KENT ROUTE 161			
SHEET NUMBER			
3			
OF 5			

Username: Raymond.demarchant Date: 8/9/2012

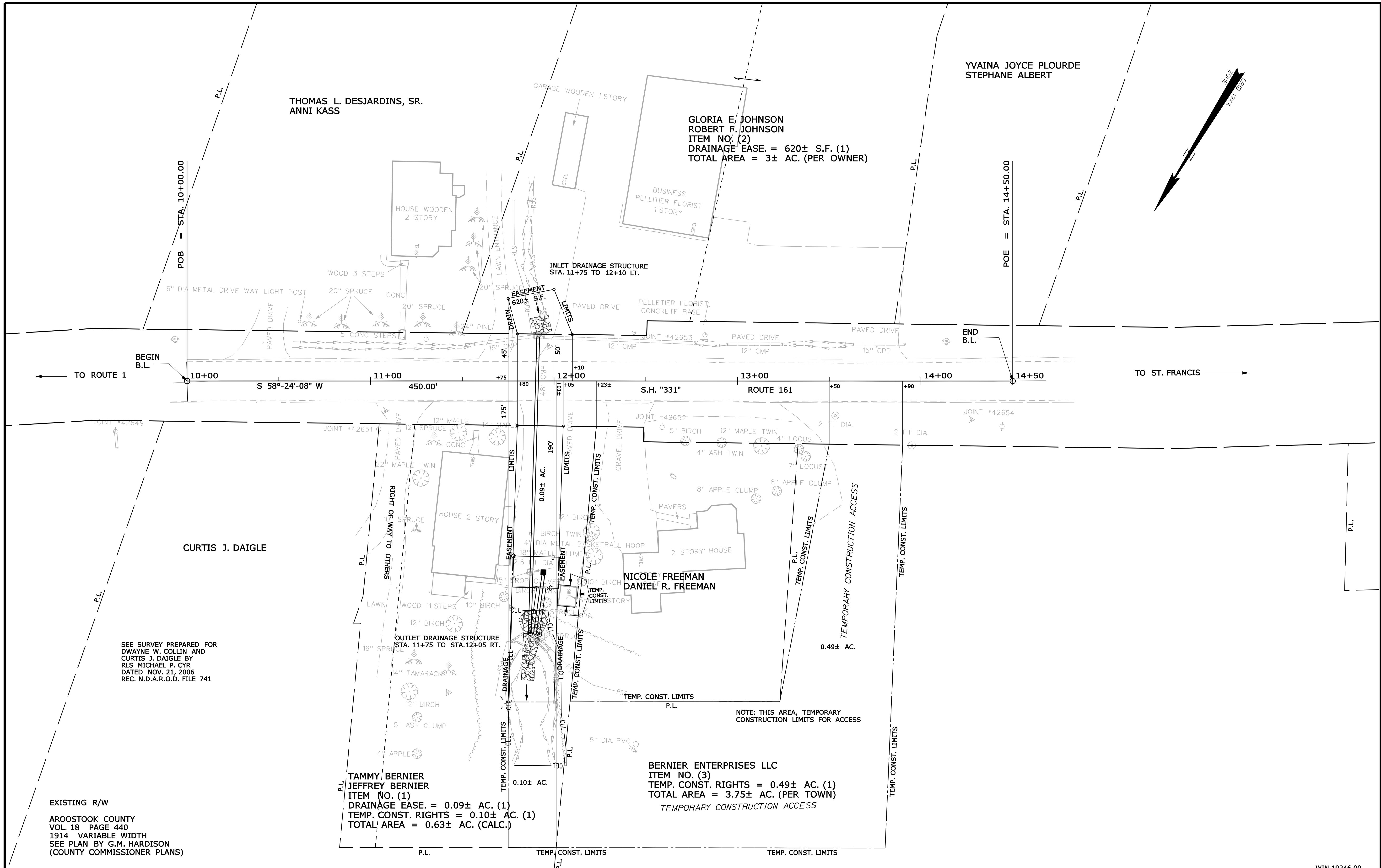
Division: HIGHWAY

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PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED					
CHECKED-REVIEWED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

FORT KENT
ROUTE 161
CROSS SECTIONS



EXISTING R/W
 AROOSTOOK COUNTY
 VOL. 18 PAGE 440
 1914 VARIABLE WIDTH
 SEE PLAN BY G.M. HARDISON
 (COUNTY COMMISSIONER PLANS)

SEE SURVEY PREPARED FOR
 DWAYNE W. COLLIN AND
 CURTIS J. DAIGLE BY
 RLS MICHAEL P. CYR
 DATED NOV. 21, 2006
 REC. N.D.A.R.O.D. FILE 741

TAMMY, BERNIER
 JEFFREY BERNIER
 ITEM NO. (1)
 DRAINAGE EASE. = 0.09± AC. (1)
 TEMP. CONST. RIGHTS = 0.10± AC. (1)
 TOTAL AREA = 0.63± AC. (CALC.)

BERNIER ENTERPRISES LLC
 ITEM NO. (3)
 TEMP. CONST. RIGHTS = 0.49± AC. (1)
 TOTAL AREA = 3.75± AC. (PER TOWN)
 TEMPORARY CONSTRUCTION ACCESS

GLORIA E. JOHNSON
 ROBERT F. JOHNSON
 ITEM NO. (2)
 DRAINAGE EASE. = 620± S.F. (1)
 TOTAL AREA = 3± AC. (PER OWNER)

SYMBOLS

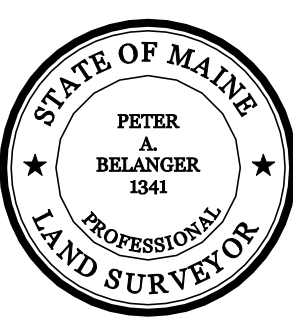
● P or ● R/P	(IRON PIPE OR PIN FOUND)
□	WELL
○	SEWER
—	GRADING LIMIT LINE
—	CONSTRUCTION LIMIT LINE
—	PROPERTY LINE
—	LIMITS OF TROUGHT PORTION (L.O.T.P.)
—	EXISTING RIGHT OF WAY
—	NEW RIGHT OF WAY
—	NEW ROW WITHIN EXIST. ROW
—	CONTROL OF ACCESS
—	WATER LINE
—	GAS LINE
—	ELECTRIC LINE
—	TELEPHONE LINE
—	SEWER LINE

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

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

REVISIONS			PLAN FILED IN PLAN BOOK				COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE
						COND.	8/6/12	1775	259				

DAVID BERNHARDT
 COMMISSIONER
 KENNETH L. SWEENEY
 CHIEF ENGINEER
 DATE



STATE HIGHWAY "331"
 ROUTE 161
 FORT KENT AROOSTOOK COUNTY
 STATE PROJECT NO. 19246.00
 APRIL 2012 RIGHT-OF-WAY MAP
 SCALE 1" = 25' SHEET 1 OF 1
 D.O.T. FILE NO. 2-543

SHEET NUMBER
5
 OF 5