

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



CARROLL PLANTATION

PENOBSCOT COUNTY

LINDSEY BROOK BRIDGE

ROUTE 6

BRIDGE NO. 6601

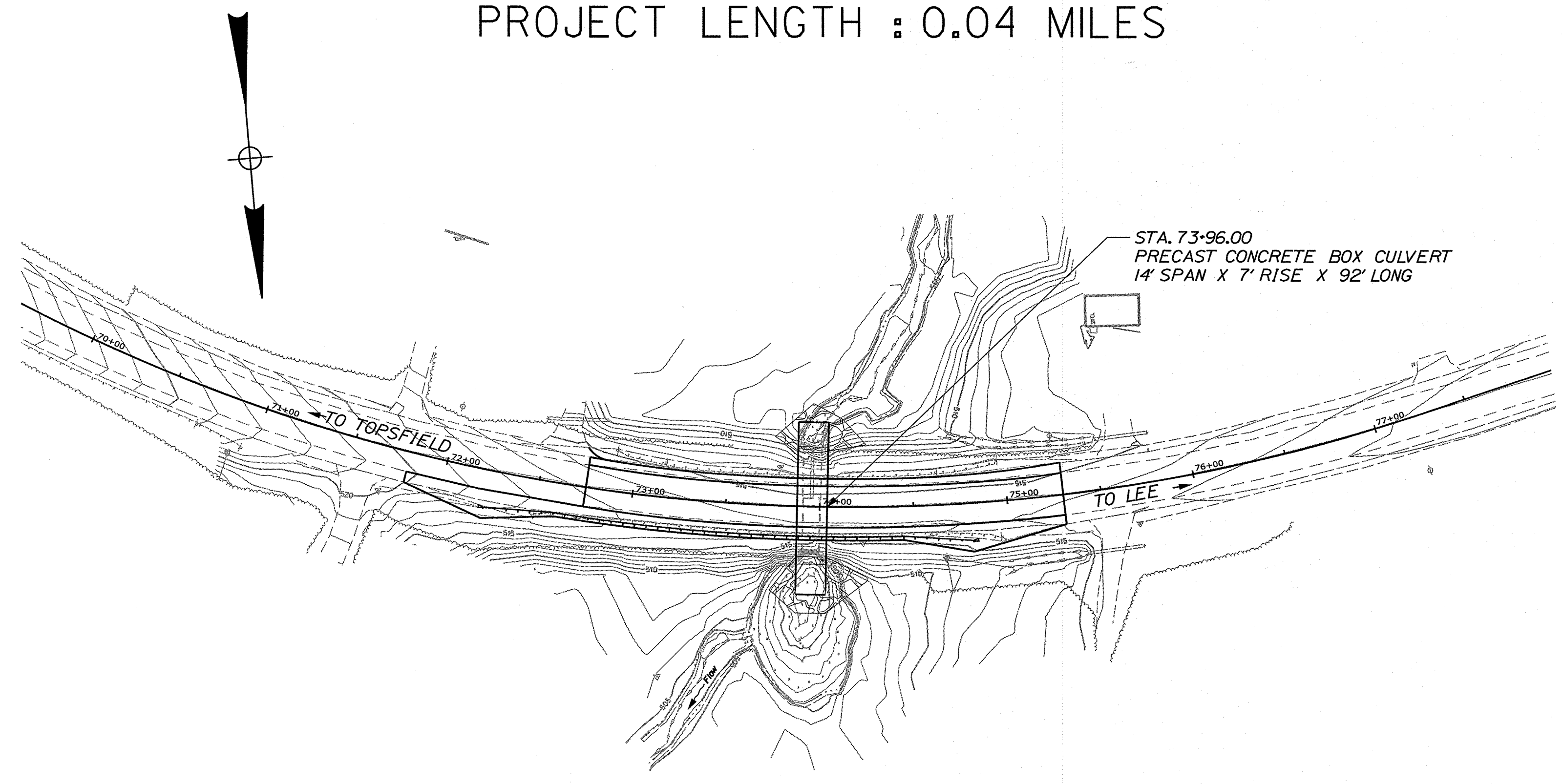
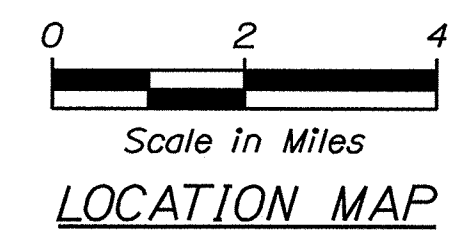
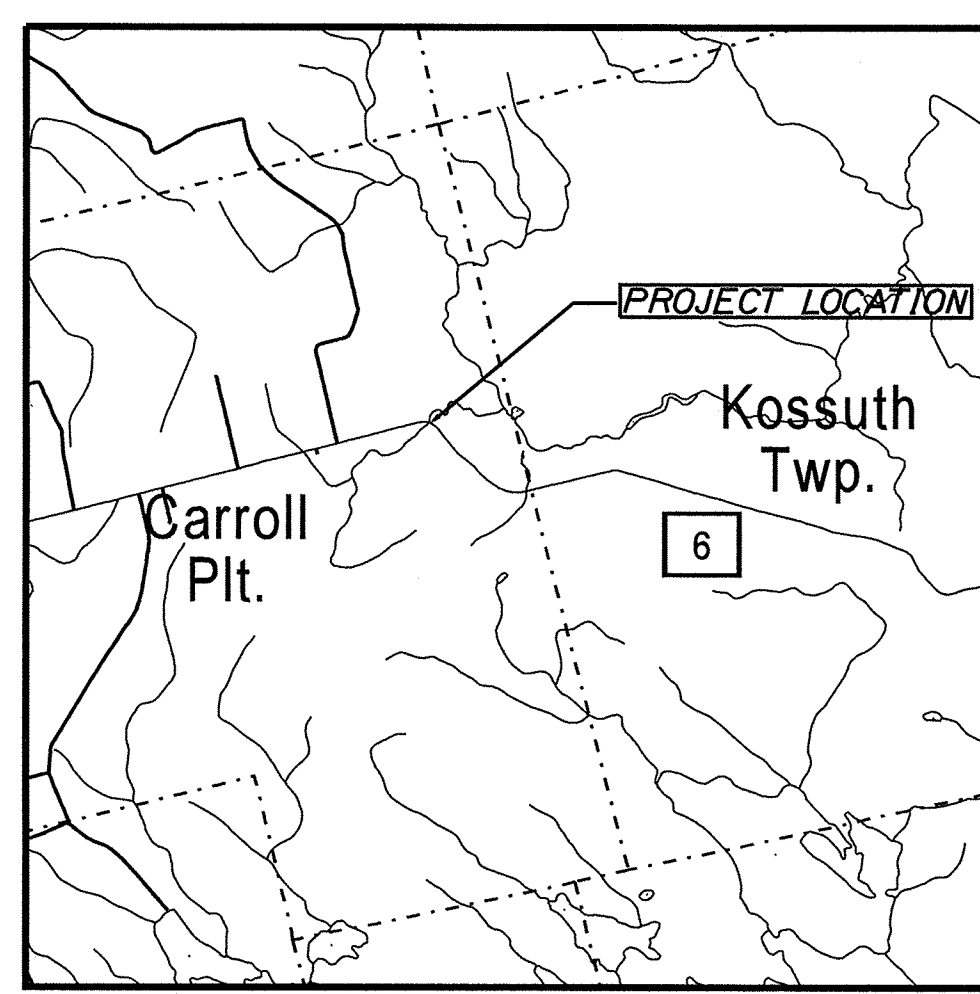
STATE PROJECT 23581.10

PROJECT LENGTH : 0.04 MILES

INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
Special Details	2-3

PLAN LEGEND			
Town, County, State	_____	Catch Basins	▣ Existing ■ Proposed
Property Lines	-----	Manholes	○ Existing ● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----
R/W Lines-Proposed	-----	Proposed Ditch	-----
Culvert-Existing	-----	Existing Ditch	-----
Culvert Proposed	-----	Utility Poles	◇ Existing ♦ Proposed
Curbing Existing	-----	Fire Hydrants	⊕ Existing ⊕ Proposed
Type 1	-----	Existing Water Line	-----
Type 3	-----	Existing San. Sewer	-----
Type 5	-----	Existing San. Sewer Manhole	⊙
Outline of Bodies of Water	-----	Guardrail-Existing	-----
Exposed Bedrock	-----	Guardrail-Proposed	-----
Buildings	-----	Guardrail-Cable, Other	-----
Trees Conifer	☙	Centerline-Existing	-----
Deciduous	☘	Centerline-Proposed	-----
Tree Line	-----	Travelway-Existing	-----
Clearing Limit Line	-----	Travelway-Proposed	-----
Railroad	-----		
Boring	⊕ HB-XXX-###	Probe	⊕ P-#. #X
Pavement Core	● PC-#		
Test Pit	⊕ TP-XXX-###		

TRAFFIC DATA	
Current (2019) AADT	870
Future (2039) AADT	880
DHV - % of AADT	11%
Design Hour Volume	97
% Heavy Trucks (AADT)	21%
Directional Distribution (DHV) ..	51%
Design Speed (mph)	50
Functional Class:	Major Collector
Corridor Priority	3



PROJECT LOCATION:	CARROLL PLANTATION, ROUTE 6, LOCATED APPROXIMATELY 1.4 MILES WESTERLY OF KOSSUTH TWP. TOWNLINE. LAT./LONG. 45°25'16.20" N 67°59'48.76" W
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	LARGE CULVERT REPLACEMENT - MATERIALS ONLY

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	CHIEF ENGINEER: <i>[Signature]</i>	9-3-2020

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	13434	August 18, 2020	

PROJECT INFORMATION	HIGHWAY
PROGRAM	R. SOUCY
PROJECT MANAGER	C. KRAUSS
DESIGNER	HOYLE, TANNER & ASSOC.
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

23581.10 2358110
 CARROLL PLANTATION
 LINDSEY BROOK BRIDGE
TITLE SHEET

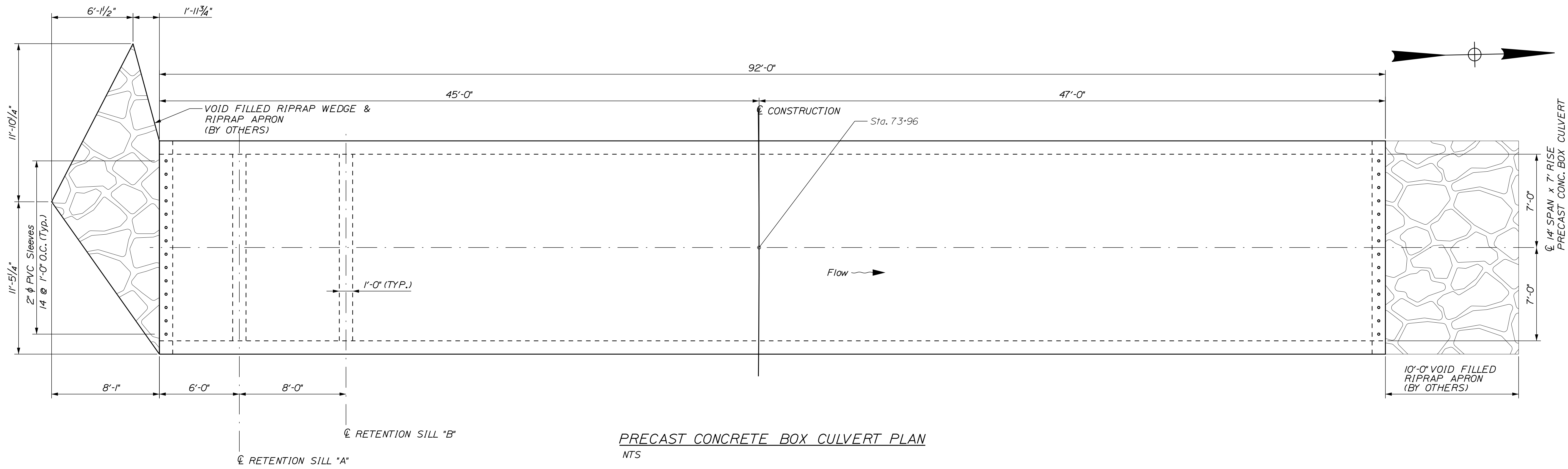
SHEET NUMBER
1
OF 3

Date: 8/20/2020

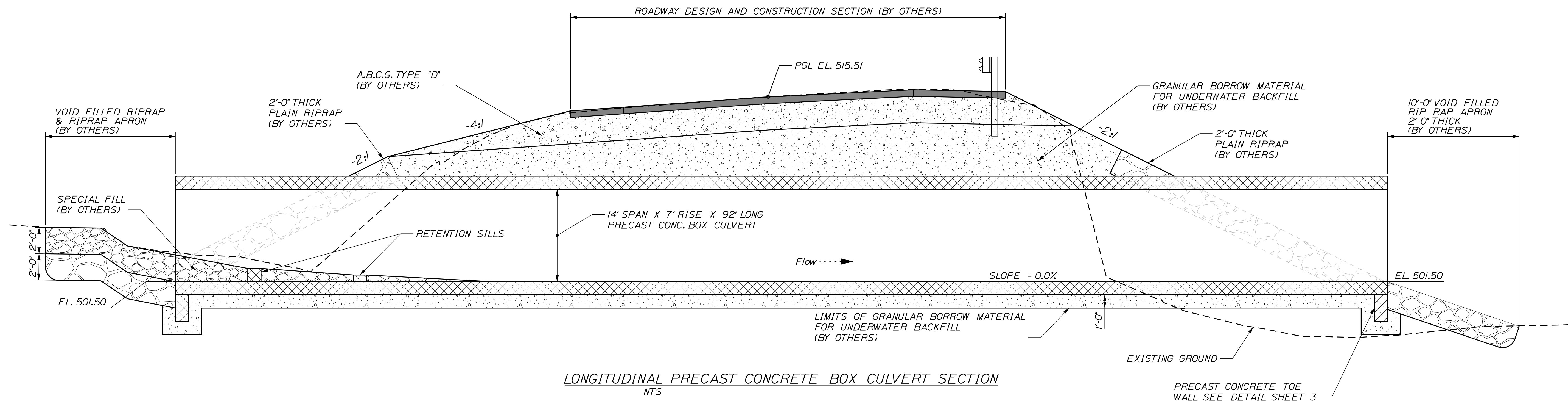
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Division: BRIDGE

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PRECAST CONCRETE BOX CULVERT PLAN
NTS



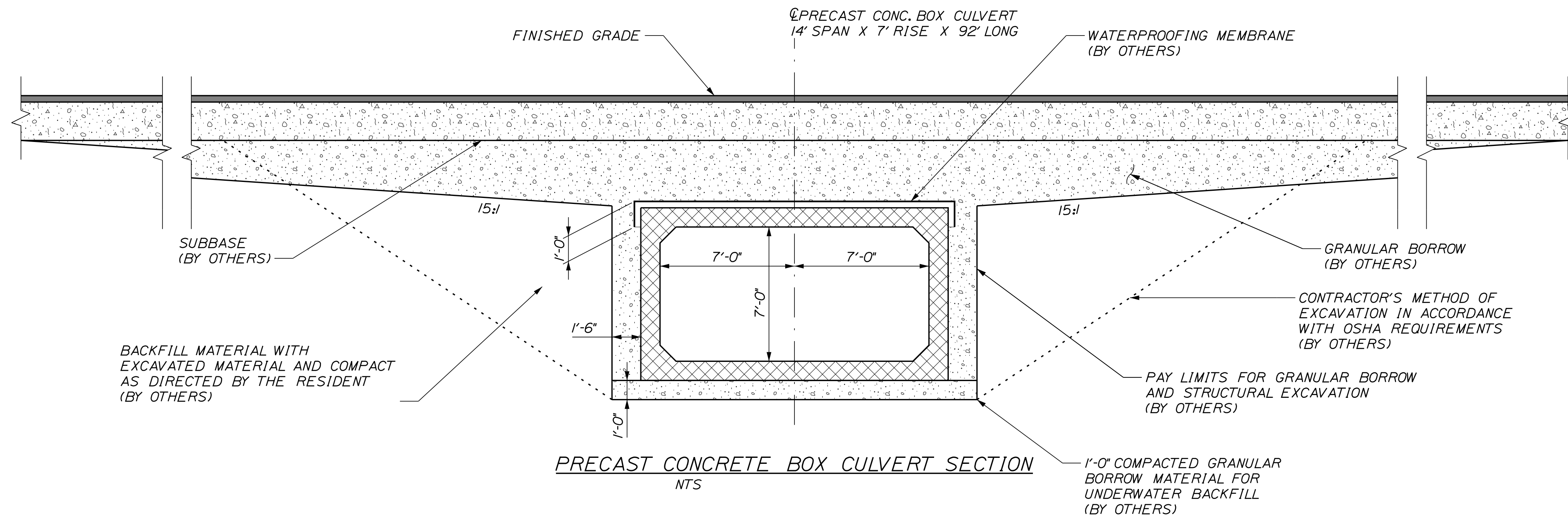
LONGITUDINAL PRECAST CONCRETE BOX CULVERT SECTION
NTS

PROJ. MANAGER	R. SOURCE	BY	DATE
DESIGN DETAILED	O. KRALUSS	B. NICHOLS	MAR 2020
CHECKED/REVIEWED			MAR 2020
DESIGN DETAILED	K. BROWN		
REVISIONS			
REVISIONS			
REVISIONS			
REVISIONS			
FIELD CHANGES			

Date: 8/20/2020

Username:

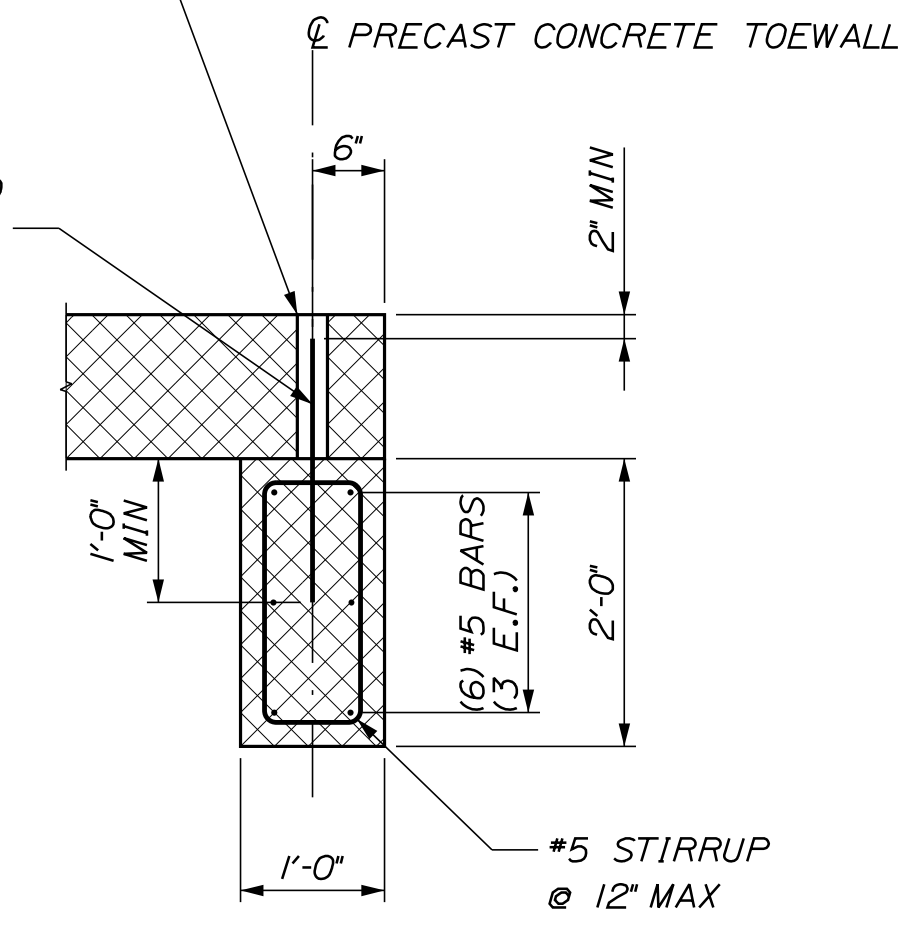
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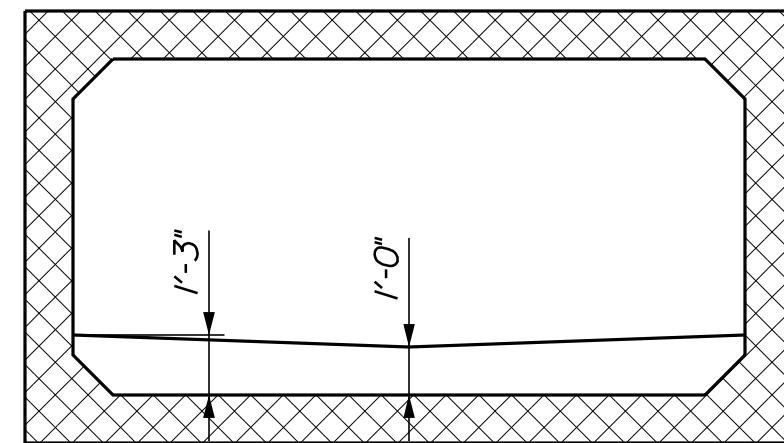
PRECAST CONCRETE BOX CULVERT SECTION
NTS

2 1/2" SLEEVE 12" O.C. W/
CEMENTITIOUS GROUT FROM MAINEDOT
PREQUALIFIED PRODUCTS LIST
(GROUT BY OTHERS)

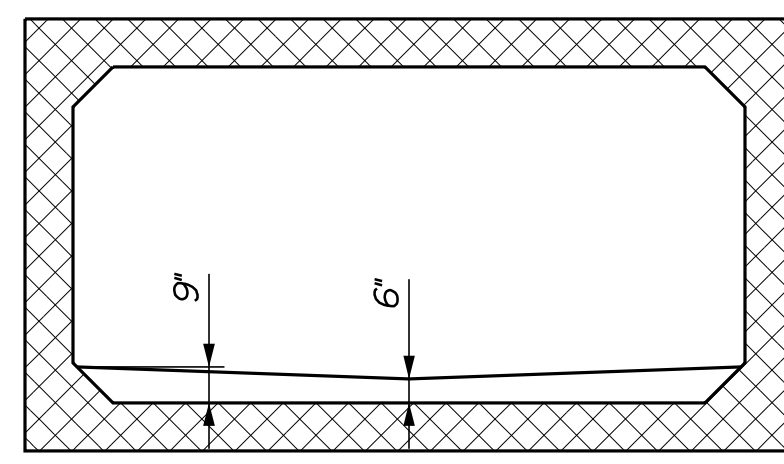
#8 BAR
FIELD DRILLED INTO
TOE WALL AND GROUTED
(BY OTHERS)



PRECAST CONCRETE TOEWALL DETAIL



RETENTION SILL 'A'
NTS



RETENTION SILL 'B'
NTS

PRECAST CONCRETE BOX CULVERT NOTES:

1. THE PRECAST UNITS SHALL BE DESIGNED TO CARRY CONSTRUCTION LOADINGS WITH A MINIMUM FILL COVER OF 18 INCHES OVER THE TOP OF THE UNITS.
2. THE PRECAST CONCRETE BOX CULVERT SHALL BE BEDDED ON A 1-FOOT LAYER OF COMPACTED GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL.
3. A "CLAMSHELL" PRECAST CONCRETE BOX CULVERT MAY BE USED.
4. CONSTRUCTION, HANDLING AND ASSEMBLY OF THE PRECAST UNIT SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 534 AND THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.

PROJ. MANAGER	R. SOUCY	DATE
DESIGN-DETAILED	O. KRALUS	MAR 2020
CHECKED-REVIEWED	B. NICHOLS	MAR 2020
DESIGN-DETAILED	K. BROWN	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	P.E. NUMBER	DATE

CARROLL PLANTATION
LINDSEY BROOK BRIDGE
SPECIAL DETAILS