

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



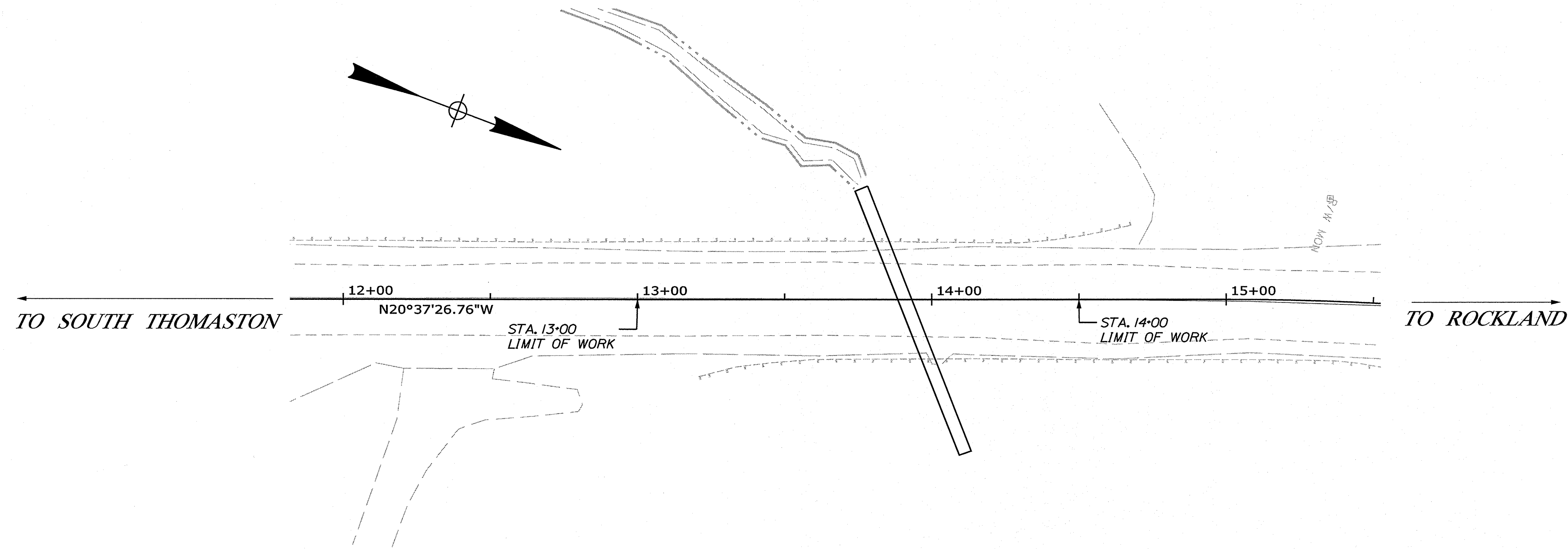
## OWLS HEAD KNOX COUNTY ROUTE 73 STATE PROJECT NO. 21808.00

### PLAN LEGEND

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

### INDEX OF SHEETS

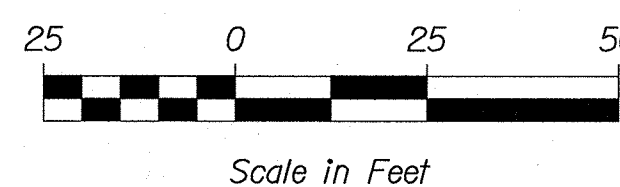
Description	Sheet No.
Title Sheet	1
General Notes/Typical Section	2
Plan/Profile	3
Culvert Details	4
Cross Sections	5
Right of Way Map	6



### TRAFFIC DATA

Current (2018) AADT	7330
Future (2030) AADT	7770
DHV - % of AADT	11%
Design Hour Volume	855
% Heavy Trucks (AADT)	5%
% Heavy Trucks (DHV)	4%
Directional Distribution (DHV)	58%
18 kip Equivalent P 2.0	130
18 kip Equivalent P 2.5	124
Design Speed (mph)	40
Functional Class:	Major/Urb Collector
Corridor Priority	4

### LAYOUT SCALE



### PROJECT LOCATION:

APPROXIMATELY 0.05 MILES NORTH OF THE INTERSECTION WITH NORTH SHORE DRIVE

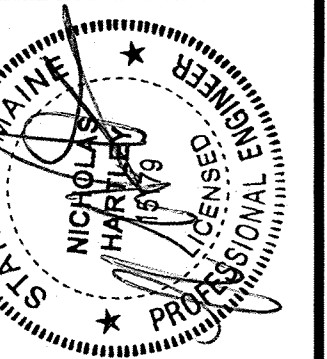
### PROGRAM AREA:

HIGHWAY PROGRAM

### SCOPE OF WORK:

LARGE CULVERT REHABILITATION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	3/6/18
	COMMISSIONER:	3-6-18
	CHIEF ENGINEER:	<i>[Signature]</i>



*[Signature]*  
SIGNATURE  
15179  
P.E. NUMBER  
2/21/18  
DATE

PROGRAM	HIGHWAY PROGRAM
PROJECT MANAGER	DOUG COOMBS
DESIGNER	NICHOLAS HARTLEY
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

OWLS HEAD  
ROUTE 73  
TITLE SHEET

SHEET NUMBER

1

OF 6

WIN 021808.00 021808.00

GENERAL NOTES

1. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
2. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
3. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
4. GUARDRAIL WHICH IS REMOVED AND NOT REUSED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
5. DIRTY BORROW HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS OTHER THAN LAWN AREAS. ACTUAL PLACEMENT OF THE DIRTY BORROW SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
6. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.
7. DIRTY BORROW SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.
9. 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.
10. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

CONSTRUCTION NOTES

1. ANY NECESSARY REMOVAL AND RESETTING OF EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. DREDGE MATERIAL HAS BEEN CALCULATED TO BE APPROXIMATELY 10 CY. THIS IS INCLUDED FOR ESTIMATION PURPOSES ONLY. THE CONTRACTOR SHALL REUSE THIS MATERIAL ON SITE IN A MANNER ACCEPTABLE TO THE RESIDENT.
3. SLIPLINE PIPE SEGMENT LENGTHS SHALL NOT EXCEED 20'.
4. REMOVAL OF THE EXISTING EARTH BERM AND SLUICE CHANNEL WILL BE PAID UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS.

OWLS HEAD  
ROUTE 73

GENERAL NOTES/TYPICAL SECTION

SHEET NUMBER

2

OF 6

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

021808.00

WIN  
021808.00

HIGHWAY PLANS

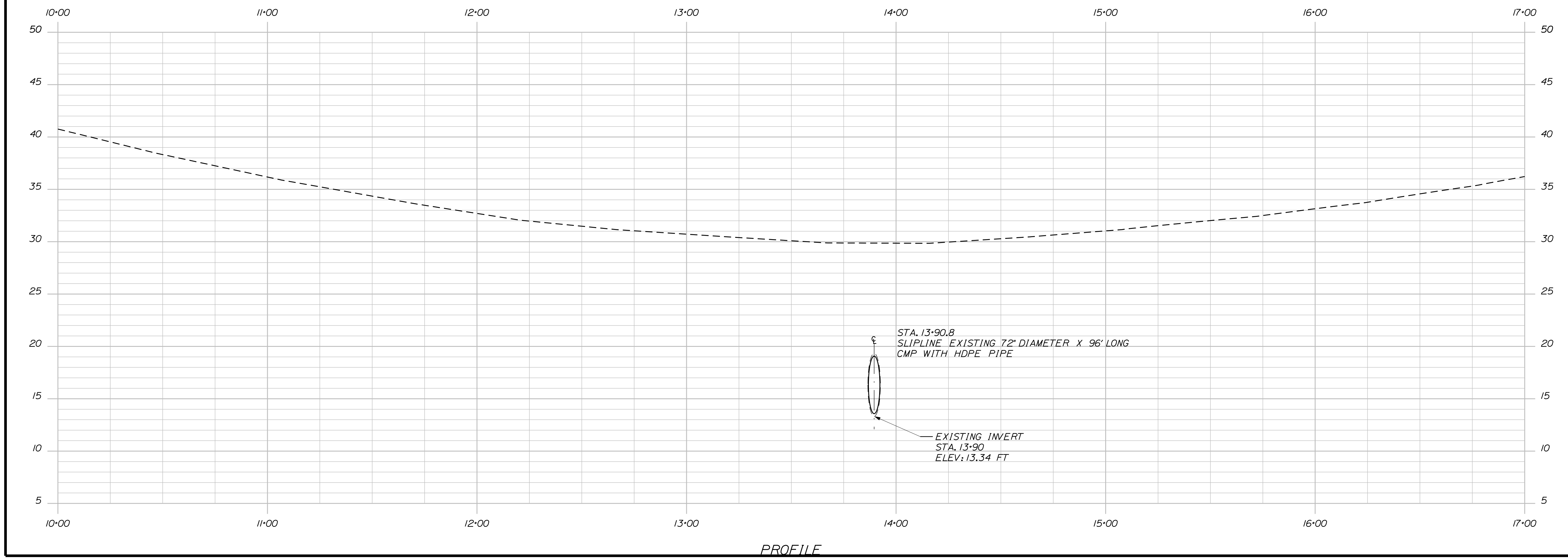
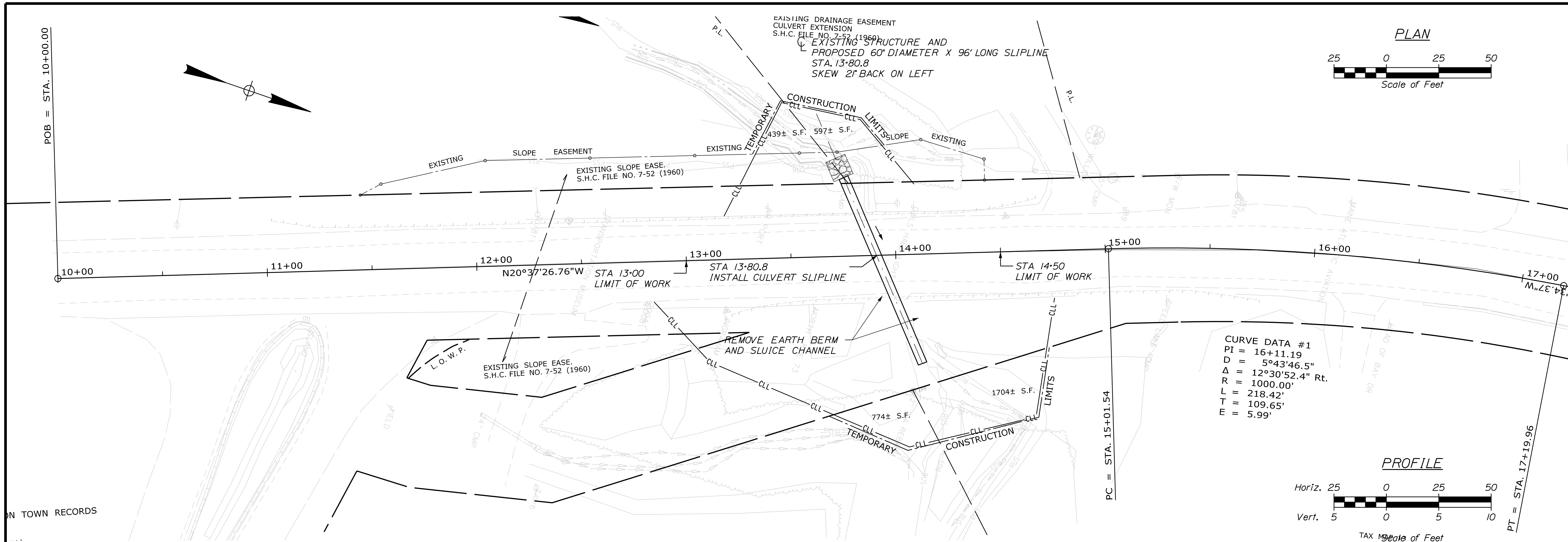
PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN-DETAILED	N. HARTLEY		
CHECKED-REVIEWED	SCHONEWALT, T. WHITE		SEPT 2008
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

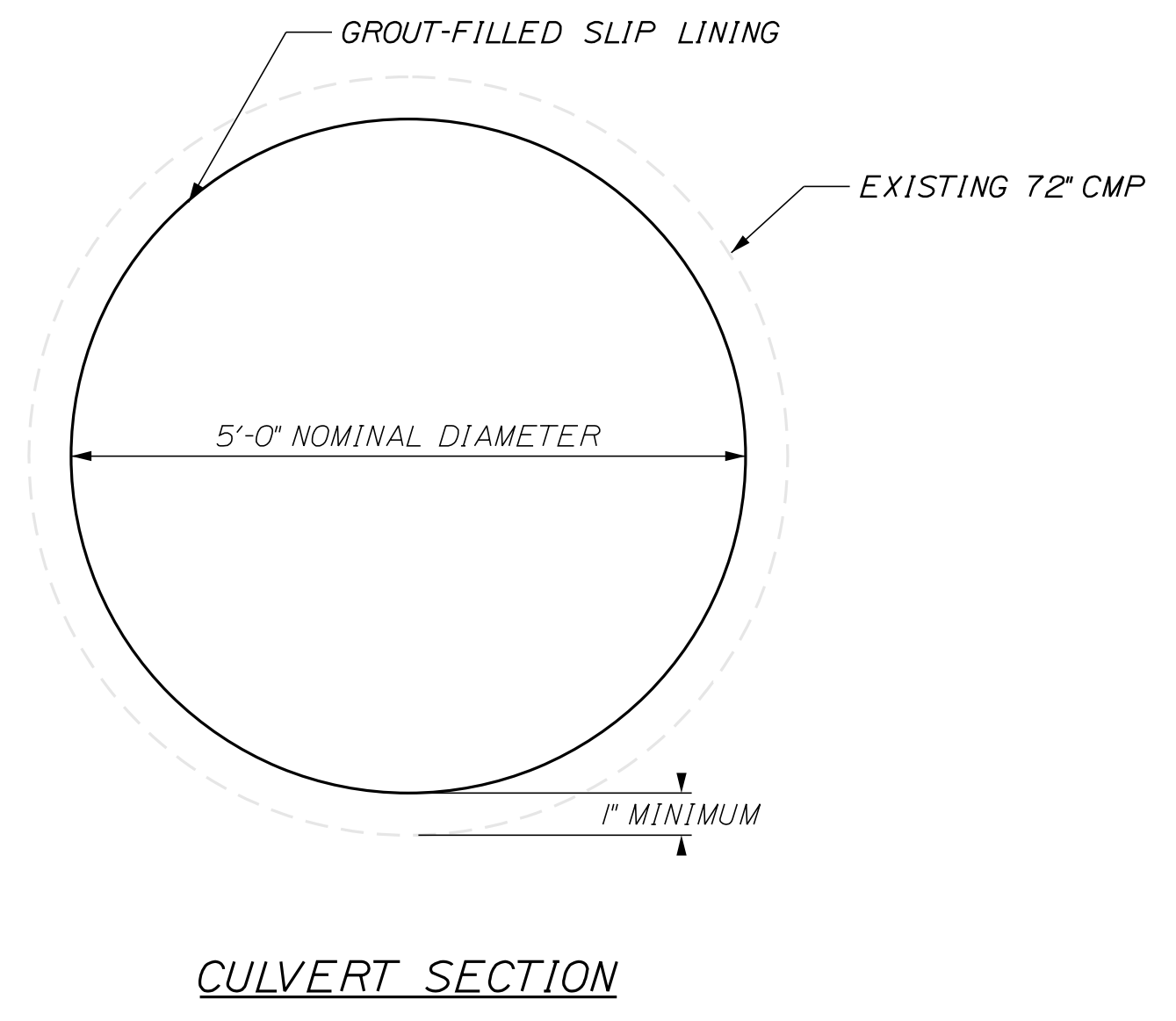
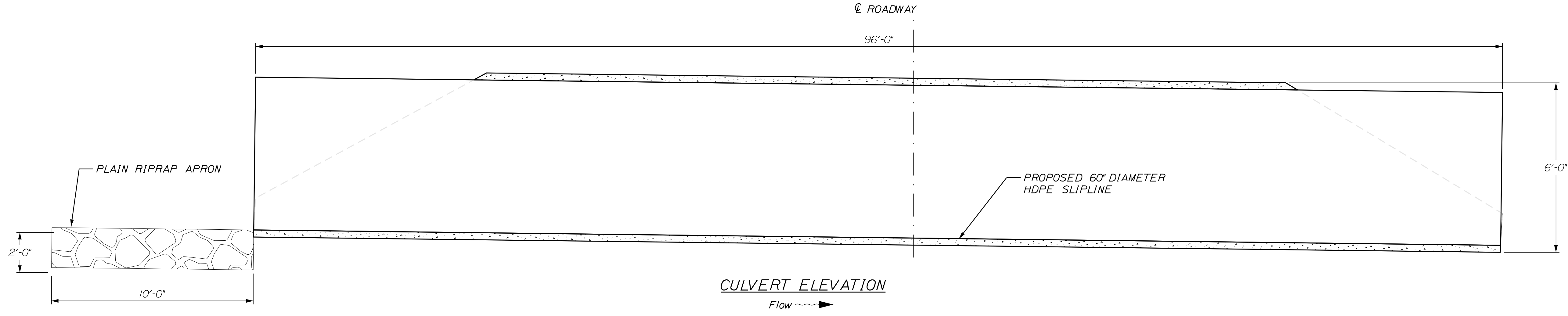
P.E. NUMBER

DATE

Filename: ... \MSTAN003\_PLANPROFILE.dgn  
 Division: HIGHWAY  
 Username: nicholas.w.hartley  
 Date: 12/4/2017



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		021808.00		WIN 021808.00		HIGHWAY PLANS	
PROJ. MANAGER	D. COOMBS	BY	N. HARTLEY	DATE	SEPT 2016	SIGNATURE	
CHECKED-REVIEWED		DESIGNED-DRAWN	SCHONEWALD			P.E. NUMBER	
DESIGNS DETAILED		REVISIONS 1				DATE	
		REVISIONS 2					
		REVISIONS 3					
		REVISIONS 4					
		FIELD CHANGES					
OWLS HEAD ROUTE 73				PLANS			
SHEET NUMBER				3			
				OF 6			



- SLIPLINE NOTES:**
1. RIPRAP SHALL BE PLACED AS TO NOT CREATE ANY POINT LOADS ON THE LINER.
  2. ANY DAMAGE TO THE LINER SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT AT THE CONTRACTOR'S EXPENSE.
  3. SLIPLINING SHALL BE PERFORMED IN ACCORDANCE TO SPECIAL PROVISION 603 - CULVERT SLIPLINING AND THE MANUFACTURER'S RECOMMENDATIONS, AS APPLICABLE.

NOT TO SCALE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		021808.00		WIN 021808.00		HIGHWAY PLANS	
OWLS HEAD ROUTE 73		CULVERT DETAILS		SHEET NUMBER		4	
PROJ. MANAGER	D. COOMBS	BY		DATE		SIGNATURE	
CHECKED-REVIEWED	N. HARTLEY	DESIGNED-DRAWN	SCHONEWALD	T. WHITE	SEPT 2016	P.E. NUMBER	
DESIGN-REVIEWED		DESIGN-REVIEWED				DATE	
REVISIONS 1		REVISIONS 1					
REVISIONS 2		REVISIONS 2					
REVISIONS 3		REVISIONS 3					
REVISIONS 4		REVISIONS 4					
FIELD CHANGES							



Town, County, State \_\_\_\_\_  
 Approx. Property Lines \_\_\_\_\_ P.L.  
 Existing Right of Way \_\_\_\_\_  
 Limits of Wrought Portion \_\_\_\_\_ L.O.W.P.  
 Control Of Access \_\_\_\_\_ C.O.A.  
 New Right of Way \_\_\_\_\_  
 New Easement \_\_\_\_\_  
 New Temporary Rights \_\_\_\_\_  
 New R/W Within Existing R/W \_\_\_\_\_

New R/W Along Existing R/W \_\_\_\_\_  
 Building \_\_\_\_\_  
 Trees Conifer \_\_\_\_\_  
 Deciduous \_\_\_\_\_  
 Clearing Limit Line \_\_\_\_\_  
 Bush Line \_\_\_\_\_  
 Water Edge \_\_\_\_\_  
 Ledge \_\_\_\_\_  
 Fence CHAIN LINK \_\_\_\_\_  
 Sign \_\_\_\_\_  
 Rock/Boulder \_\_\_\_\_  
 BARB WIRE \_\_\_\_\_  
 Well \_\_\_\_\_  
 Flag Pole \_\_\_\_\_  
 STOCKADE \_\_\_\_\_  
 Mailbox \_\_\_\_\_

**PLAN LEGEND**

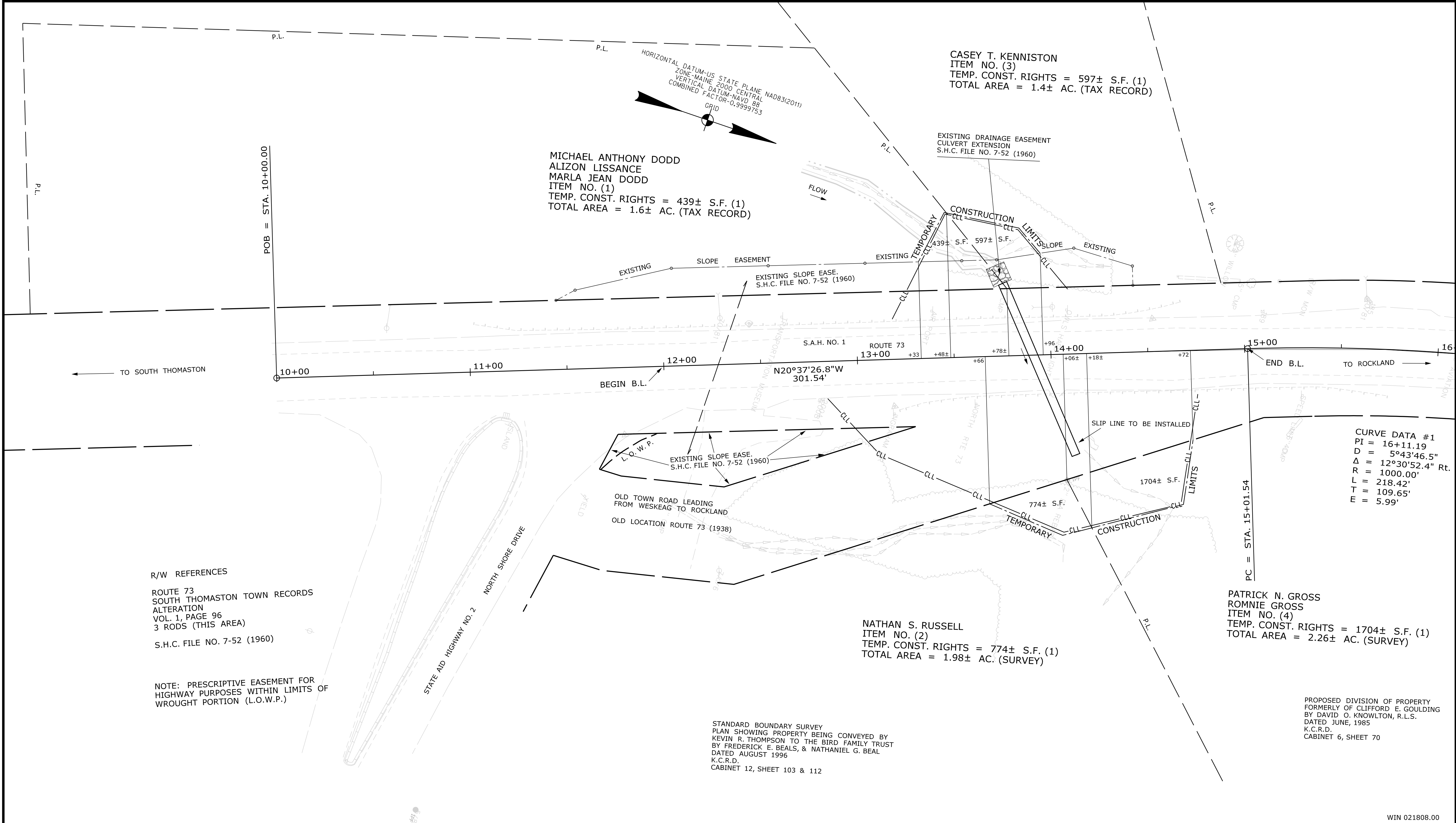
Sanitary Sewer	Existing	Proposed	Traveled Way	Existing	Proposed
Telephone Line	Existing	Proposed	Ditch	Existing	Proposed
Electric Line	Existing	Proposed	Catch Basin	Existing	Proposed
Water Line	Existing	Proposed	Manhole	Existing	Proposed
Underdrain Line	Existing	Proposed	Sewer Manhole	Existing	Proposed
Gas Line	Existing	Proposed	Utility Pole	Existing	Proposed
Guardrail	Existing	Proposed	Fire Hydrant	Existing	Proposed
Culvert	Existing	Proposed	Curbing	Existing	Proposed

Cut Line \_\_\_\_\_  
 Stonewall \_\_\_\_\_  
 Baseline \_\_\_\_\_  
 Monument \_\_\_\_\_  
 Iron Rod Found \_\_\_\_\_  
 Replacement Pin Set \_\_\_\_\_  
 Fill Line \_\_\_\_\_  
 Retaining Wall \_\_\_\_\_  
 Traverse Point \_\_\_\_\_  
 Pipe Found \_\_\_\_\_

STATE OF MAINE  
 REGISTRY OF DEEDS  
 COUNTY \_\_\_\_\_  
 RECEIVED \_\_\_\_\_  
 at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and recorded in  
 Plan Book \_\_\_\_\_, Page \_\_\_\_\_  
 Attest: \_\_\_\_\_ REGISTER

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 ADJACENT PROPERTY OWNERS.

25 0 25 50 75 100  
 Scale of Feet



R/W REFERENCES  
 ROUTE 73  
 SOUTH THOMASTON TOWN RECORDS  
 ALTERATION  
 VOL. 1, PAGE 96  
 3 RODS (THIS AREA)  
 S.H.C. FILE NO. 7-52 (1960)

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

STANDARD BOUNDARY SURVEY  
 PLAN SHOWING PROPERTY BEING CONVEYED BY KEVIN R. THOMPSON TO THE BIRD FAMILY TRUST BY FREDERICK E. BEALS, & NATHANIEL G. BEAL DATED AUGUST 1996  
 K.C.R.D.  
 CABINET 12, SHEET 103 & 112

PROPOSED DIVISION OF PROPERTY FORMERLY OF CLIFFORD E. GOULDING BY DAVID O. KNOWLTON, R.L.S. DATED JUNE, 1985  
 K.C.R.D.  
 CABINET 6, SHEET 70

CURVE DATA #1  
 PI = 16+11.19  
 D = 5°43'46.5"  
 Δ = 12°30'52.4" Rt.  
 R = 1000.00'  
 L = 218.42'  
 T = 109.65'  
 E = 5.99'

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	D.W.B.	
FINAL RIGHT OF WAY	D.W.B.	
AREAS	D.W.B.	D.W.B.

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460  
 OWLS HEAD  
 RIGHT OF WAY MAP

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

DAVID BERNHARDT  
 COMMISSIONER  
 JOYCE NOEL TALYOR  
 CHIEF ENGINEER  
 DATE \_\_\_\_\_

STATE AID HIGHWAY NO. 1  
 ROUTE 73, INGRAHAM DRIVE  
 OWLS HEAD KNOX COUNTY  
 STATE PROJECT NO. 21808.00  
 OCTOBER 2017  
 SCALE 1" = 25'

SHEET NUMBER  
**6**  
 OF 6

Filename: ... \HIGHWAY\MSTA\006\_RWPLAN1.dgn Division: HIGHWAY Username: nicholas.w.hartley Date: 12/4/2017

WIN 021808.00