

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



## OAKFIELD AROOSTOOK COUNTY RIDGE ROAD SPAULDING LAKE BRIDGE BRIDGE NO. 6638 STATE PROJECT NO. 23697.10 PROJECT LENGTH : 0.01 MILES

### PLAN LEGEND

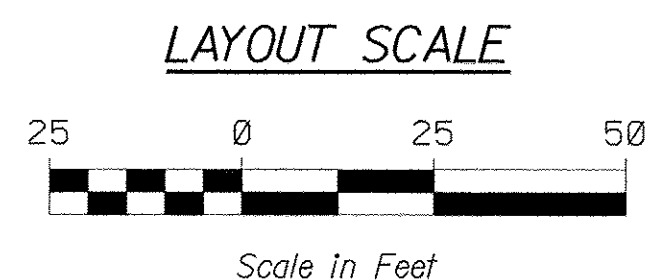
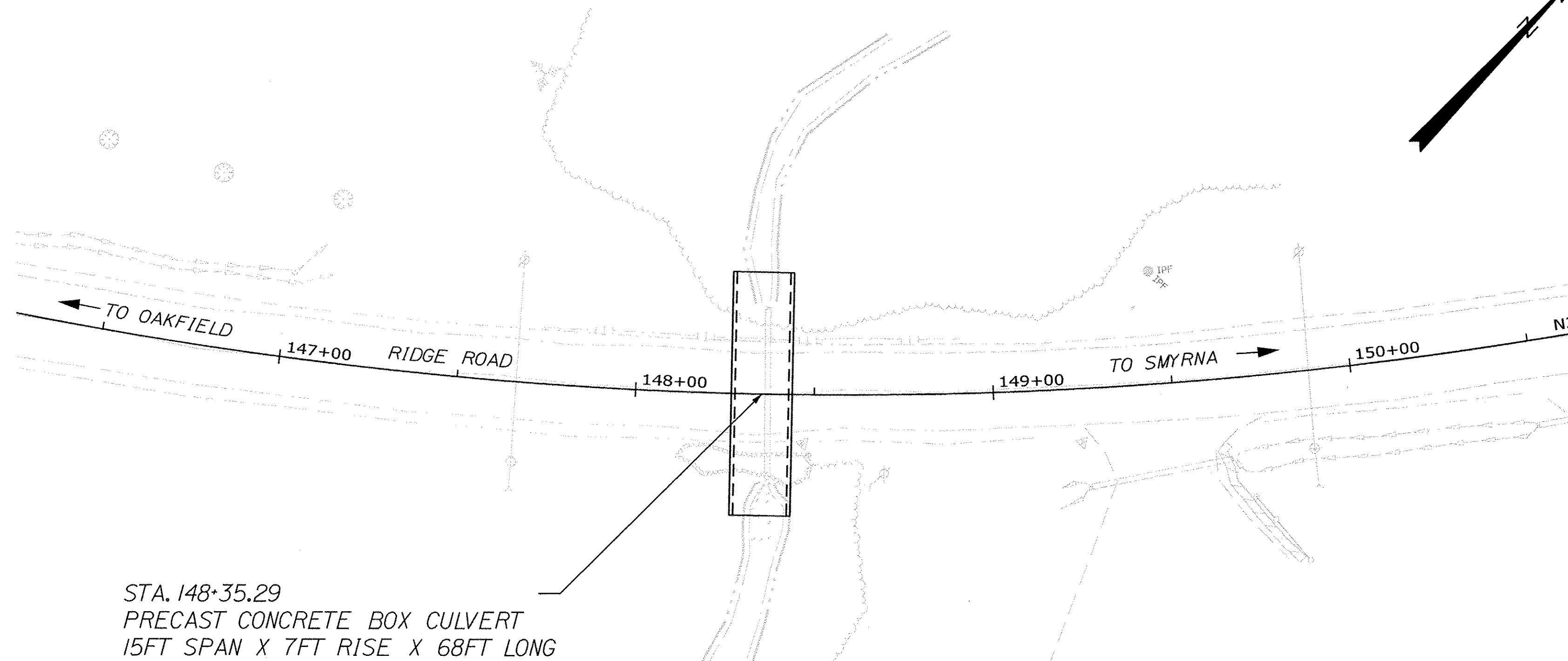
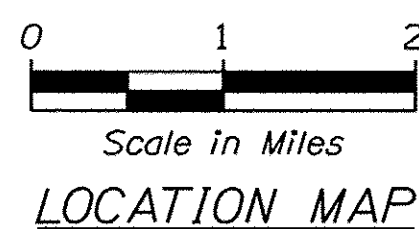
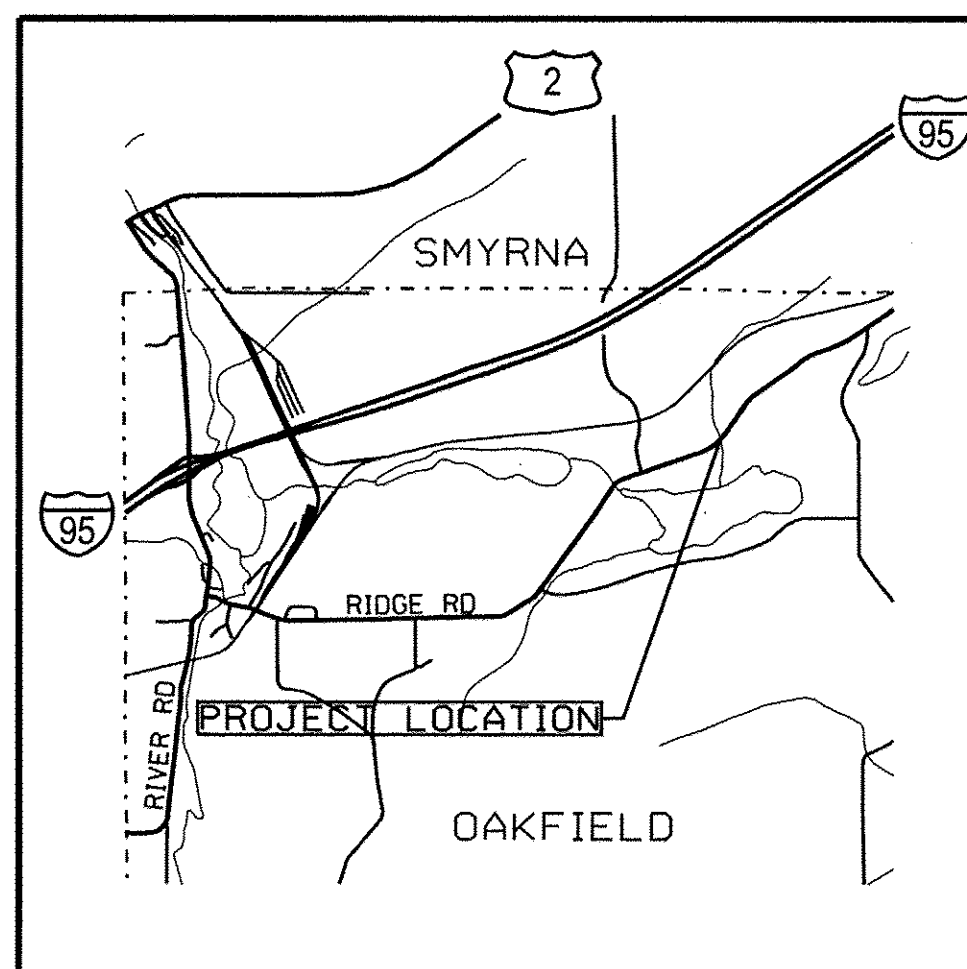
Town, County, State	-----	Catch Basins	▣ Existing	■ Proposed
Property Lines	-----	Manholes	○ Existing	● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	
R/W Lines-Proposed	-----	Proposed Ditch	-----	
Culvert-Existing	-----	Existing Ditch	-----	
Culvert Proposed	-----	Utility Poles	⊕ Existing	⊕ 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	☙ Deciduous		
Tree Line	-----	Centerline-Existing	-----	
Clearing Limit Line	-----	Centerline-Proposed	-----	
Railroad	-----	Travelway-Existing	-----	
		Travelway-Proposed	-----	
Boring	⊕ HB-XXX-###	Probe	⊕ P-#.X	
Pavement Core	● PC-#	#.# = Depth		
Test Pit	⊕ TP-XXX-###	X = W (Weathered Rock)		
		R (Refusal)		
		NR (No Refusal)		

### INDEX OF SHEETS

<u>Description</u>	<u>Sheet No.</u>
Title Sheet	1
Special Details	2

### TRAFFIC DATA

Current (2023) AADT	330
Future (2043) AADT	360
DHV - % of AADT	12%
Design Hour Volume	43
% Heavy Trucks (AADT)	9%
% Heavy Trucks (DHV)	5%
Directional Distribution (DHV)	63%
18 kip Equivalent P 2.0	12
18 kip Equivalent P 2.5	11
Design Speed (mph)	45
Functional Class	Minor Collector
Highway Corridor Priority	4



<b>PROJECT LOCATION:</b>	OAKFIELD, RIDGE ROAD, LOCATED 1.2 MILES EAST OF SPAULDING LAKE ROAD INTERSECTION
<b>PROGRAM AREA:</b>	REGIONAL PROGRAM
<b>SCOPE OF WORK:</b>	LARGE CULVERT REPLACEMENT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	9-12-23
COMMISSIONER:		9-11-2023
CHIEF ENGINEER:	<i>[Signature]</i>	

	SIGNATURE	DATE
	<i>[Signature]</i>	9/17/2023
PROJECT INFORMATION	PROGRAM	CONTRACTOR
HIGHWAY	ROGER SOUCY	PROJECT RESIDENT
DESIGNER	L. KALOCH	PROJECT COMPLETION DATE
CONSULTANT	CMA ENGINEERS, INC.	

WIN 23697.10 STATE PROJECT NO. 23697.10

OAKFIELD  
RIDGE ROAD  
TITLE SHEET

SHEET NUMBER  
**1**  
OF 2



# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



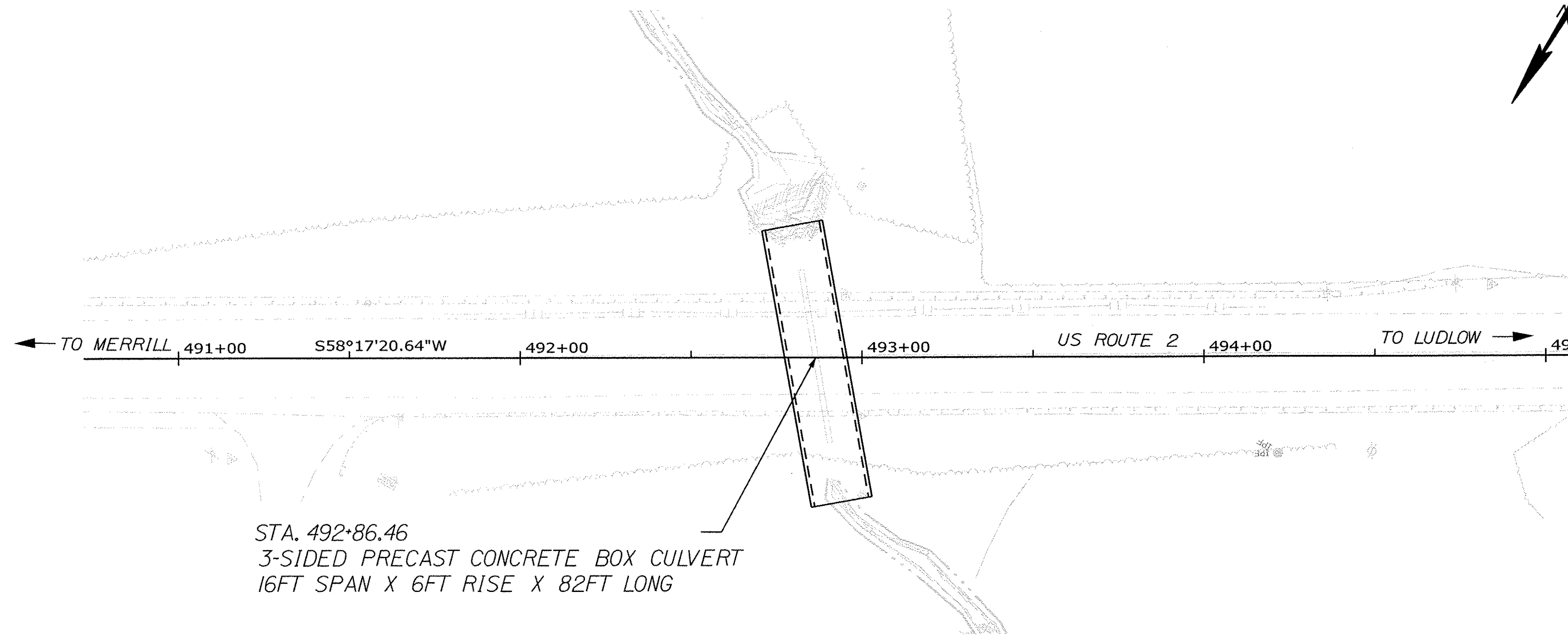
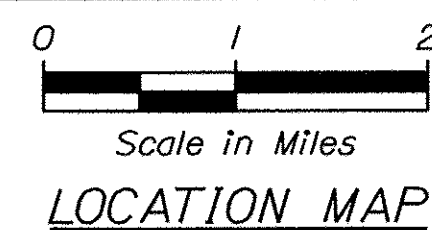
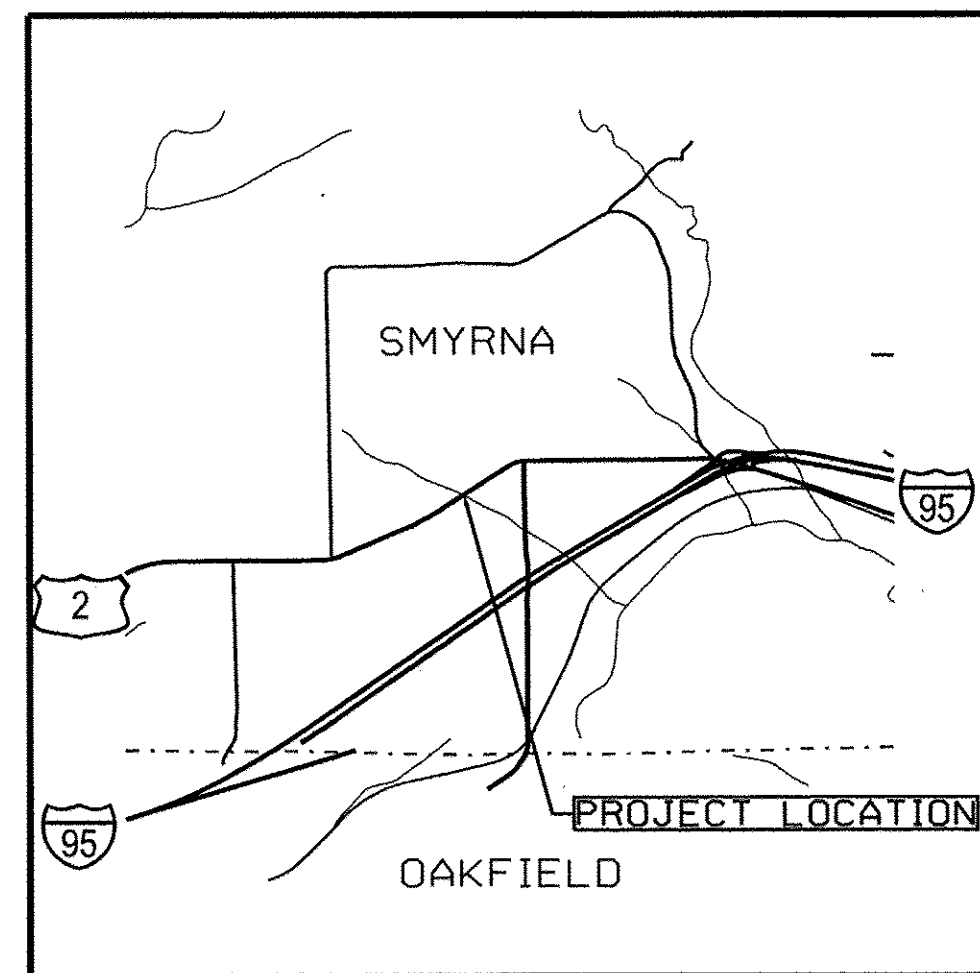
## SMYRNA AROOSTOOK COUNTY

US ROUTE 2  
LIMESTONE BROOK BRIDGE  
BRIDGE NO. 6637

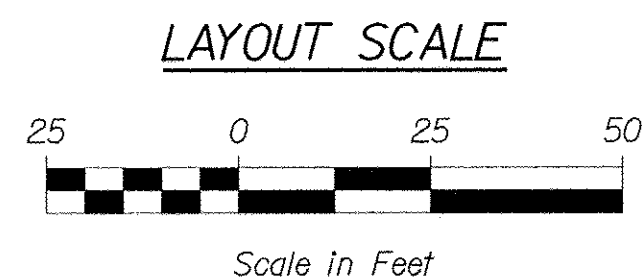
**STATE PROJECT NO. 23755.10**  
PROJECT LENGTH : 0.01 MILES

PLAN LEGEND	
Town, County, State	-----
Property Lines	-----
R/W Lines-Existing	-----
R/W Lines-Proposed	-----
Culvert-Existing	-----
Culvert Proposed	-----
Curbing Existing	-----
Curbing Proposed	-----
Type 1	-----
Type 3	-----
Type 5	-----
Outline of Bodies of Water	-----
Exposed Bedrock	-----
Buildings	-----
Trees Conifer	-----
Trees Deciduous	-----
Tree Line	-----
Clearing Limit Line	-----
Railroad	-----
Catch Basins	Existing Proposed
Manholes	Existing Proposed
Proposed Underdrain	-----
Proposed Ditch	-----
Existing Ditch	-----
Utility Poles	Existing Proposed
Fire Hydrants	Existing Proposed
Existing Water Line	-----
Existing San. Sewer	-----
Existing San. Sewer Manhole	-----
Guardrail-Existing	-----
Guardrail-Proposed	-----
Guardrail-Cable, Other	-----
Centerline-Existing	-----
Centerline-Proposed	-----
Travelway-Existing	-----
Travelway-Proposed	-----
Boring	HB-XXX-###
Pavement Core	PC-#
Test Pit	TP-XXX-###
Probe	P-#. #X
	#. # = Depth
	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)

TRAFFIC DATA	
Current (2023) AADT	920
Future (2043) AADT	1,010
DHV - % of AADT	12%
Design Hour Volume	121
% Heavy Trucks (AADT)	17%
% Heavy Trucks (DHV)	23%
Directional Distribution (DHV)	56%
18 kip Equivalent P 2.0	100
18 kip Equivalent P 2.5	96
Design Speed (mph)	50
Functional Class	Major Collector
Highway Corridor Priority	4



STA. 492+86.46  
3-SIDED PRECAST CONCRETE BOX CULVERT  
16FT SPAN X 6FT RISE X 82FT LONG



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

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		9-12-23
CHIEF ENGINEER: <i>[Signature]</i>		9-11-2023

<i>[Signature]</i>	SIGNATURE	15070	P.E. NUMBER	9/7/2023	DATE
L. KALLOCH	DESIGNER	15070	P.E. NUMBER	9/7/2023	DATE

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	ROBER SOUCY
DESIGNER	L. KALLOCH
CONSULTANT	CMA ENGINEERS, INC
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 23755.10 STATE PROJECT NO. 23755.10  
SMYRNA  
US ROUTE 2  
TITLE SHEET

<b>PROJECT LOCATION:</b>	SMYRNA, ROUTE 2, LOCATED 0.4 MILES WEST OF TIMONEY LAKE ROAD INTERSECTION.
<b>PROGRAM AREA:</b>	REGIONAL PROGRAM
<b>SCOPE OF WORK:</b>	LARGE CULVERT REPLACEMENT

SHEET NUMBER  
**1**  
OF 3

Date: 5/4/2023

Username: common

Division: HIGHWAY

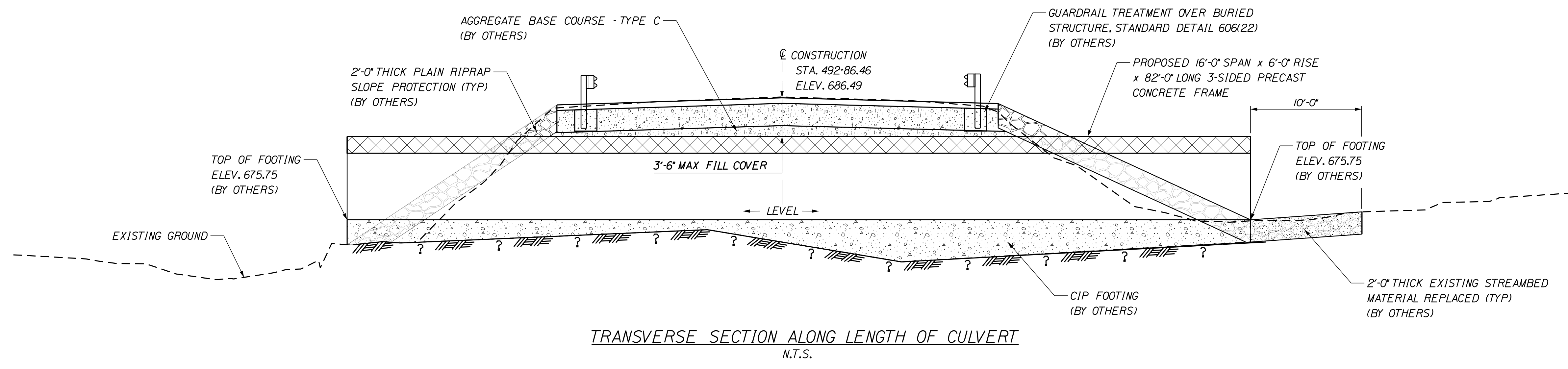
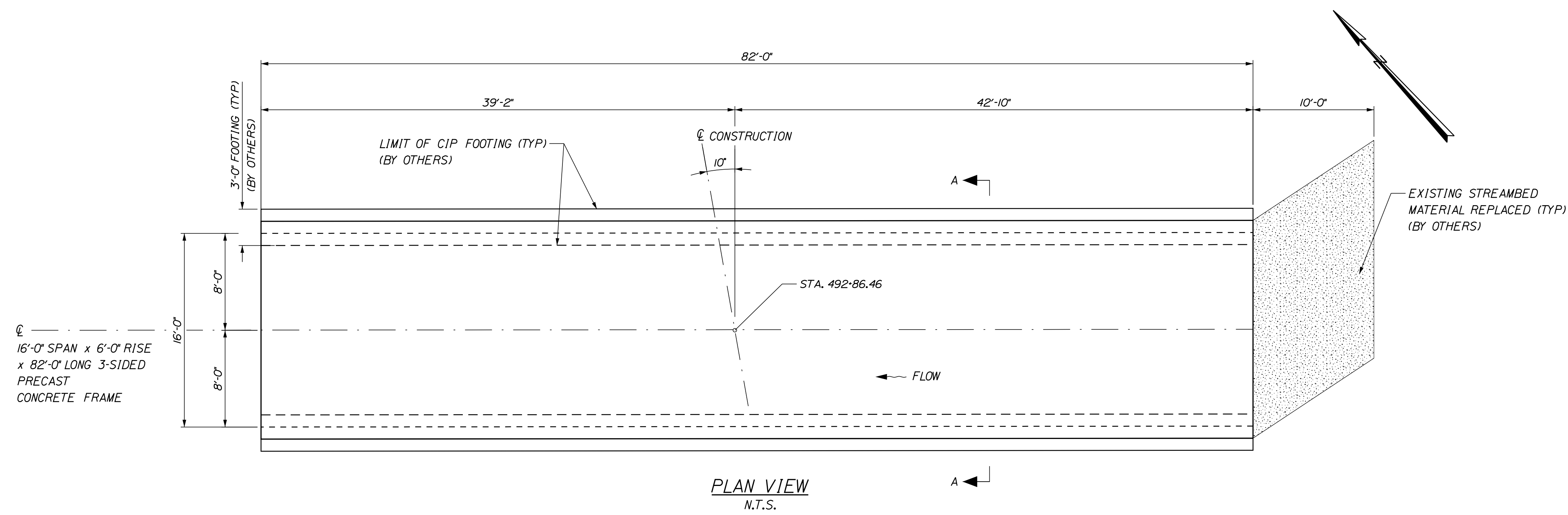
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Date: 5/4/2023

Username: common

Division: HIGHWAY

Filename: ... \PREBUY\005\_Detail - Prebuy.dgn



**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 CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST UNITS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 534 AND WITH THE MANUFACTURER'S SPECIFICATIONS AS APPLICABLE.

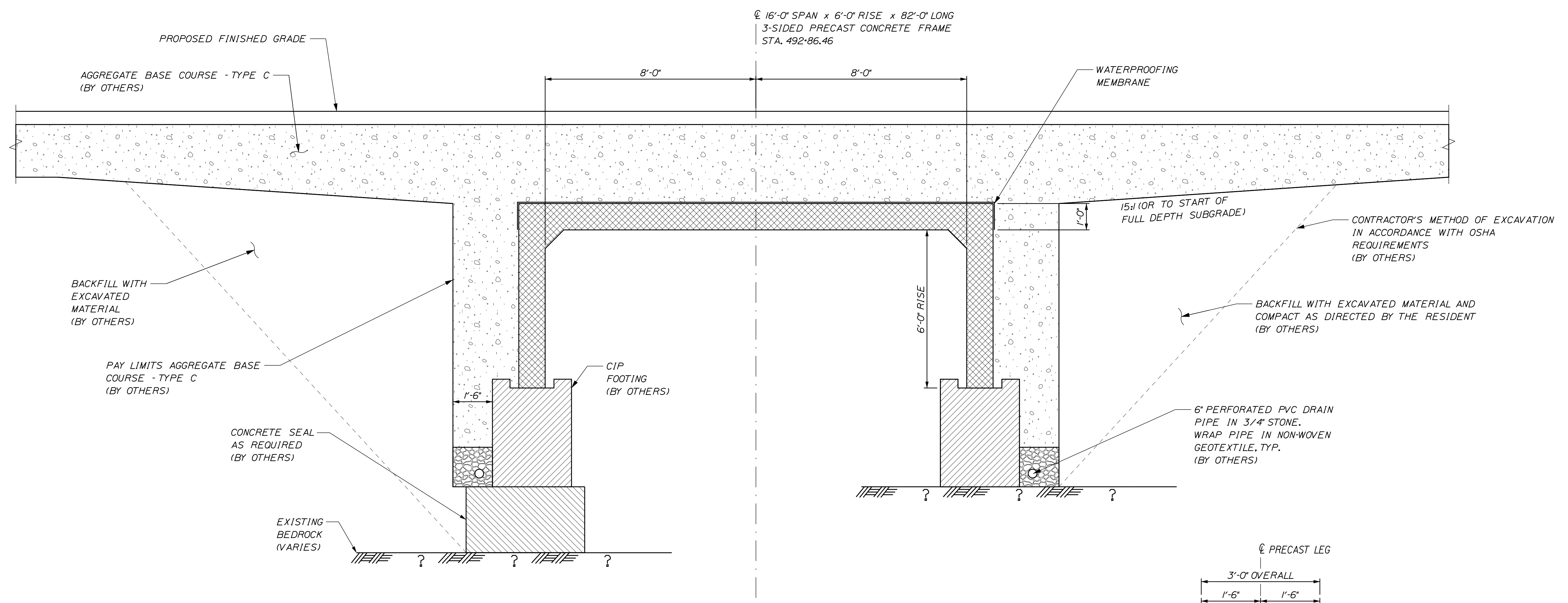
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		23755.10	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER	ROGER SOUCY	BY	DATE
DESIGN-DETAILED	L. KALLIOCH	W. GORDON	
CHECKED-REVIEWED	S. FORTIER	J. BEAUBIET	
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SMYRNA US ROUTE 2		SPECIAL DETAILS	
SHEET NUMBER		2	
OF 3		REGIONAL PROGRAM	
BRIDGE NO. 6637		WIN 23755.10	

Date: 5/4/2023

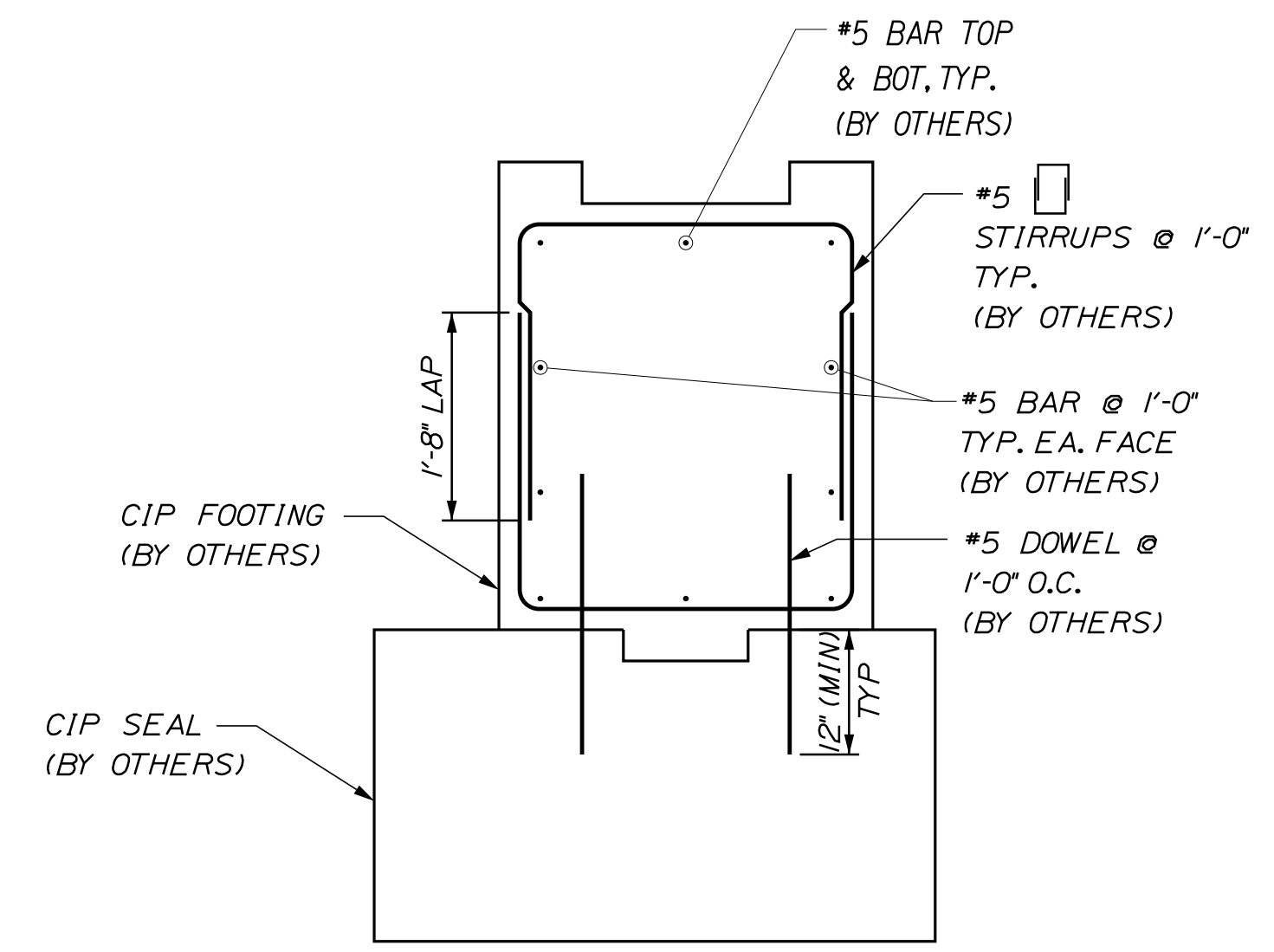
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Division: HIGHWAY

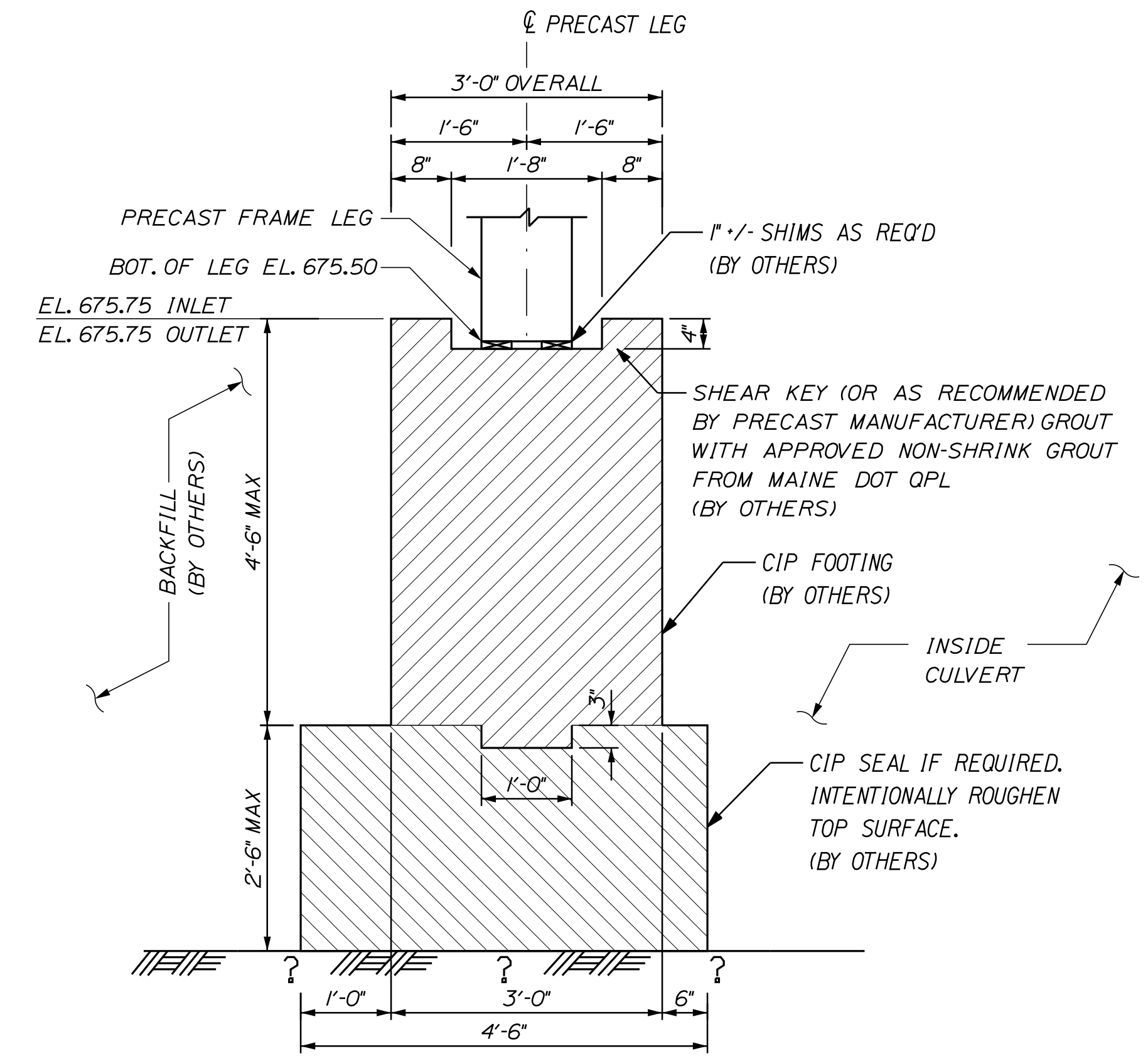
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TYPICAL CULVERT SECTION A-A  
1" = 1'-0"



TYPICAL FOOTING REINFORCING (BY OTHERS)  
3/4" = 1'-0"



TYPICAL FOOTING (BY OTHERS)  
3/4" = 1'-0"

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		23755.10		WIN		23755.10		REGIONAL PROGRAM	
BRIDGE NO. 6637		SIGNATURE		P.E. NUMBER		DATE					
PROJ. MANAGER	ROGER SOUCY	BY	DATE	DESIGN-DETAILED	L. KALLOCH	W. GORDON		DESIGN-REVIEWED	S. FORTIER	J. BEAUBIET	
DESIGN-DETAILED	L. KALLOCH	DESIGN-REVIEWED	S. FORTIER	DESIGN-DETAILED		REVISIONS 1		REVISIONS 2		REVISIONS 3	
DESIGN-REVIEWED	S. FORTIER	DESIGN-DETAILED		REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		FIELD CHANGES			
SMYRNA				US ROUTE 2				SPECIAL DETAILS			
SHEET NUMBER				3				OF 3			