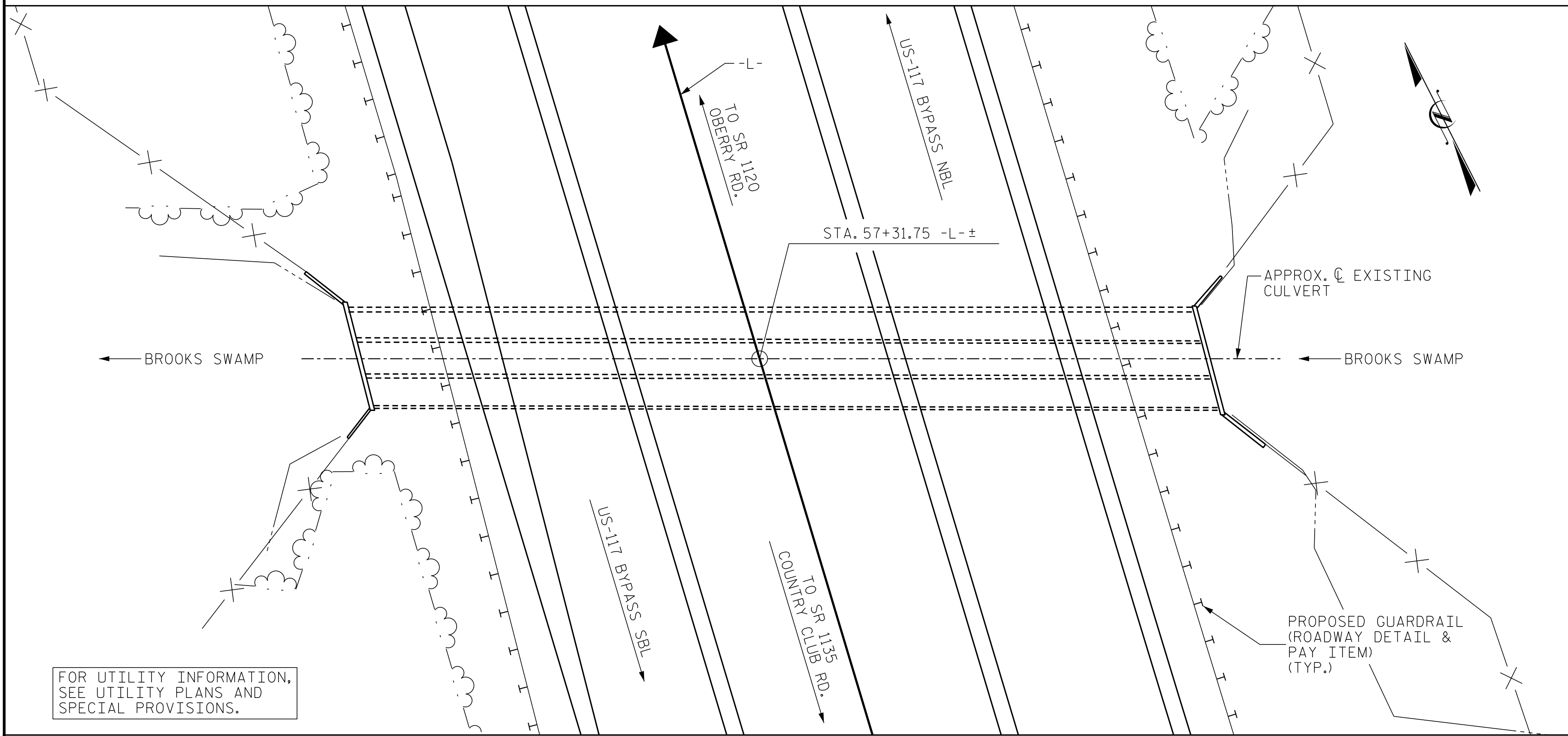


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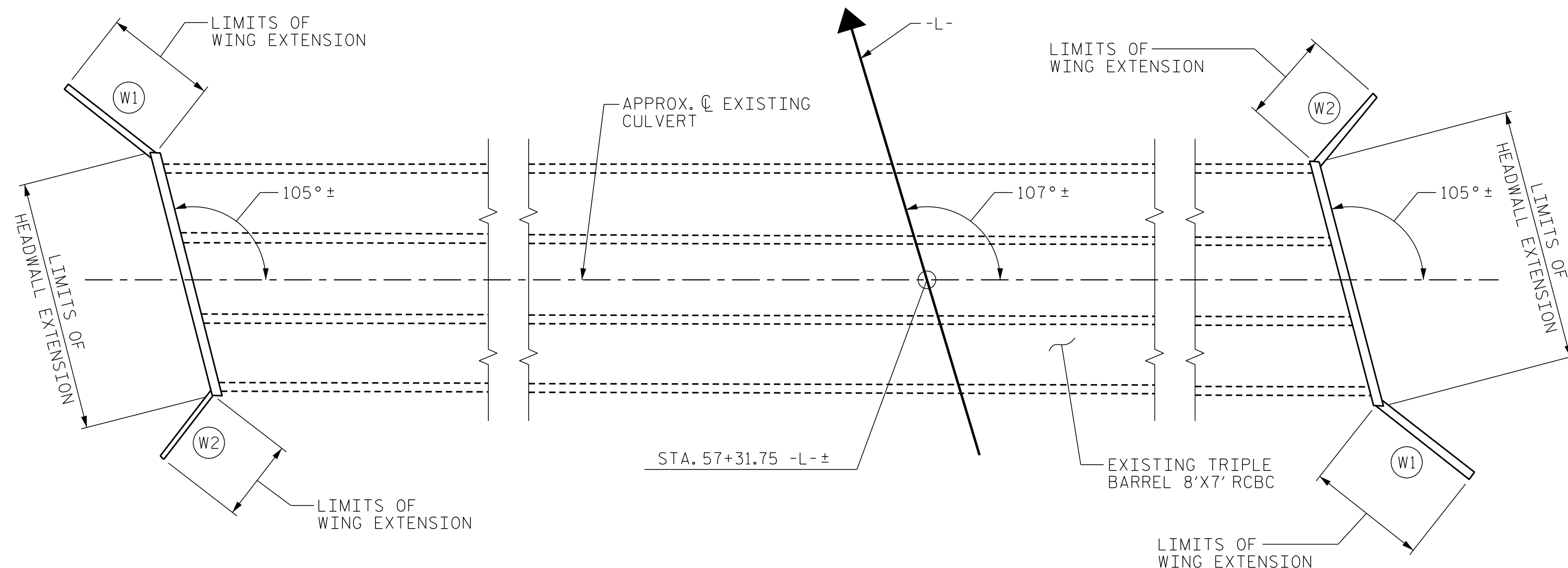
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BM #3: 74' LT. OF STA. 16+01.00 -L-, ELEV. = 132.64



FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

LOCATION SKETCH



PLAN OF EXISTING CULVERT

**GENERAL NOTES**

- FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.
- A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING EXTENSION COVERING THE LENGTH OF THE WING EXTENSION EXPANSION JOINT.
- \* #5 U1 BARS TO BE DRILLED AND ADHESIVELY ANCHORED INTO THE EXISTING TOP SLAB OF THE CULVERT IN ACCORDANCE WITH SECTION 420-13 OF THE STANDARD SPECIFICATION.
- \*\* #4 V1 BARS TO BE DRILLED AND GROUTED INTO THE EXISTING WINGS IN ACCORDANCE WITH "GROUT FOR STRUCTURES" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

TOTAL STRUCTURE QUANTITIES	
CLASS A CONCRETE	
WINGS & HEADWALL EXTENSION	7.5 C.Y.
REINFORCING STEEL	
WINGS & HEADWALL EXTENSION	638 LBS.

PROJECT NO. R-5719  
WAYNE COUNTY  
 STATION: 57+31.75 -L-  
 SHEET 1 OF 2 BRIDGE NO. C303

ENGINEER OF RECORD

1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 Bus: 919 851 8077  
 Fax: 919 851 8107  
 LICENSE NO. F-0377

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

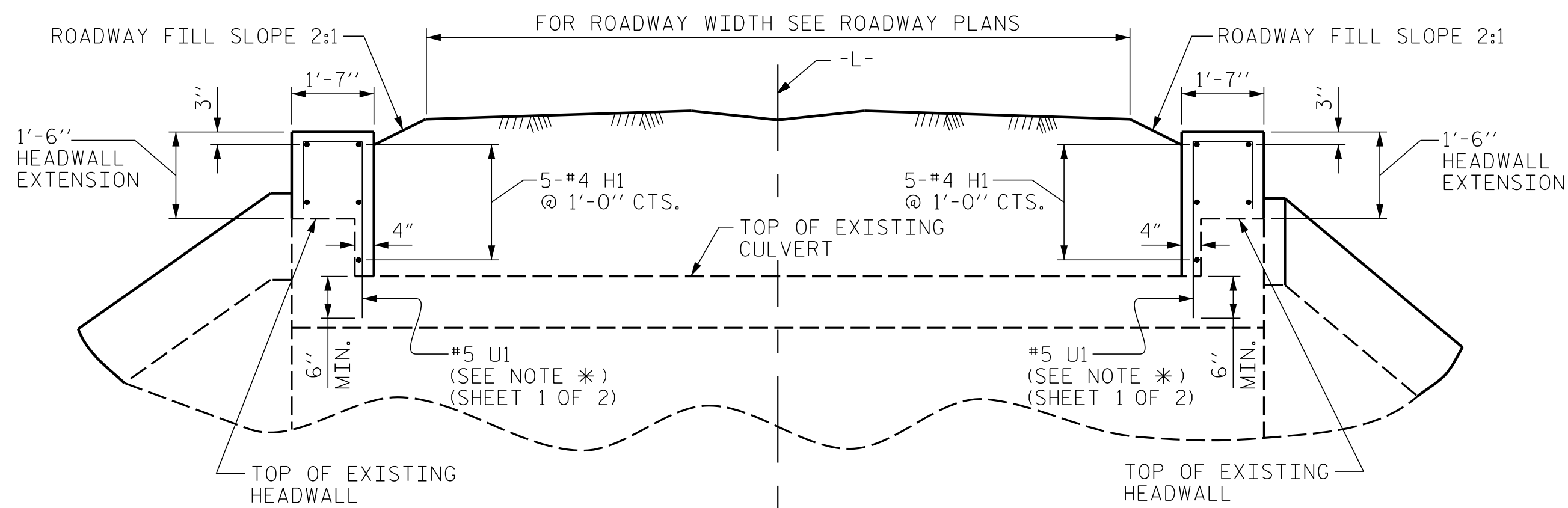
**HEADWALL AND WING EXTENSION ON EXISTING TRIPLE 8'x7' CONCRETE BOX CULVERT**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	COI-1
1			3			TOTAL SHEETS
2			4			2

DRAWN BY : RA/GMG DATE : 12-15  
 CHECKED BY : J.A. DILWORTH DATE : 1-16

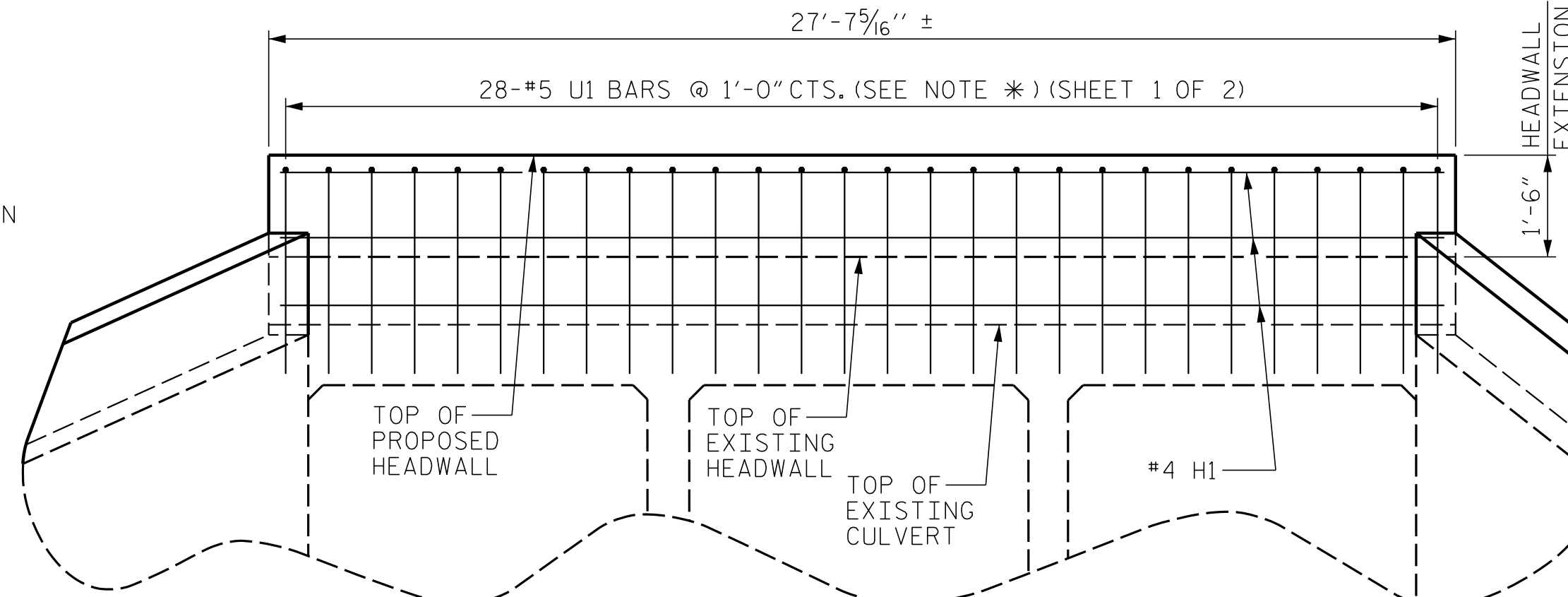
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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**PARTIAL CULVERT SECTION NORMAL TO ROADWAY**

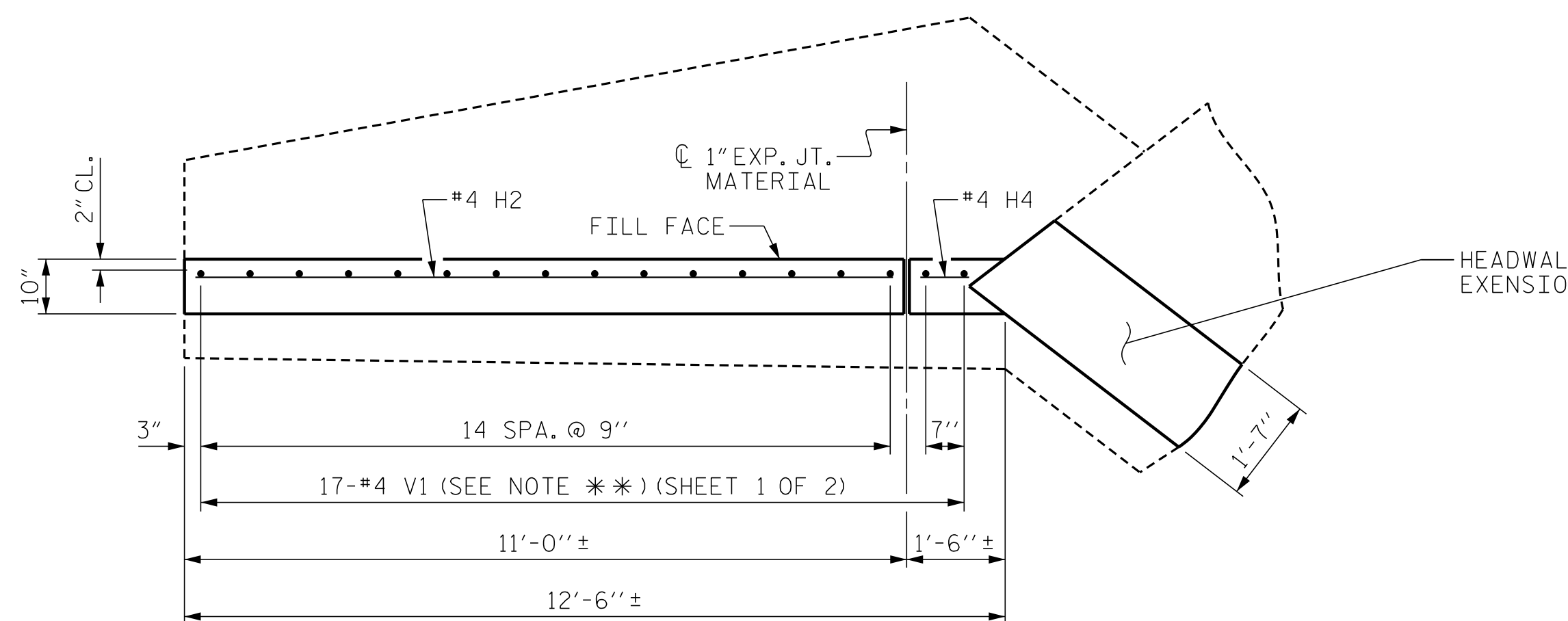
REINFORCEMENT FOR WING EXTENSION NOT SHOWN FOR CLARITY



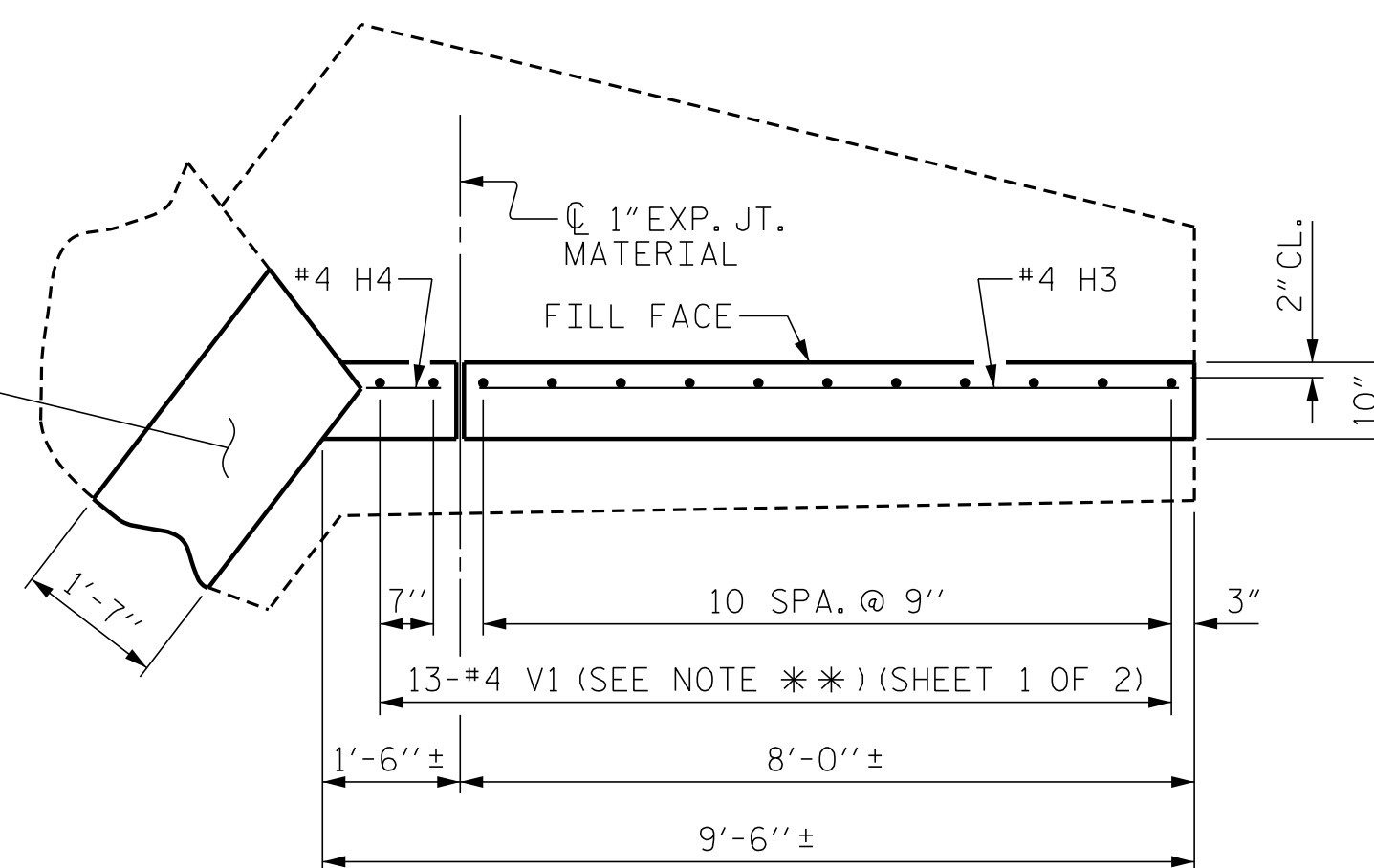
**HEADWALL ELEVATION NORMAL TO SKEW**

(TYP. EA. HEADWALL)  
REINFORCEMENT FOR WING EXTENSION NOT SHOWN FOR CLARITY

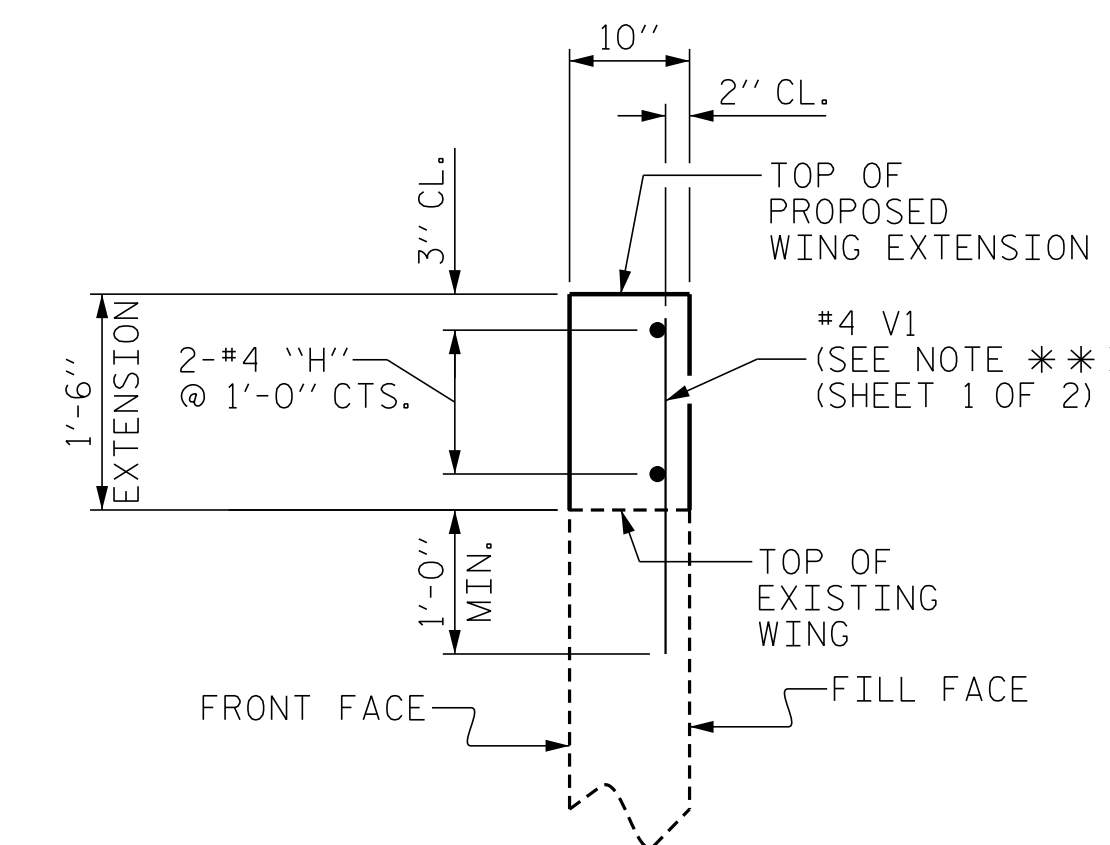
BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	10	#4	STR	27'-3"	182
H2	4	#4	STR	11'-0"	29
H3	4	#4	STR	8'-1"	22
H4	8	#4	STR	10"	4
U1	56	#5	1	5'-3"	307
V1	60	#4	STR	2'-4"	94
REINFORCING STEEL				638 LBS.	
CLASS A CONCRETE				2.0 C.Y.	
4 WINGS				5.5 C.Y.	
2 HEADWALLS				TOTAL 7.5 C.Y.	
BAR TYPES					
ALL BAR DIMENSIONS ARE OUT TO OUT.					



**PLAN W1**

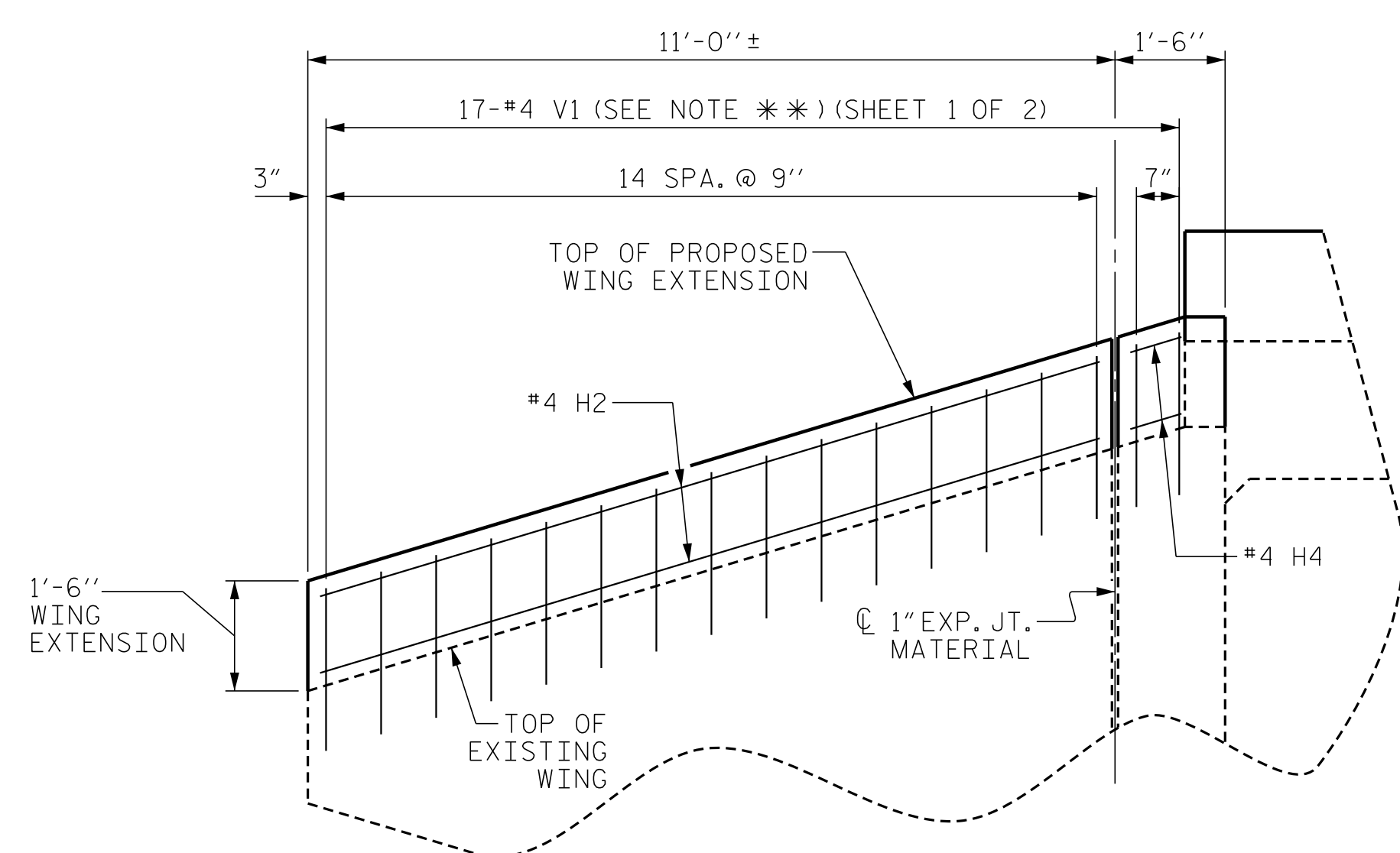


**PLAN W2**

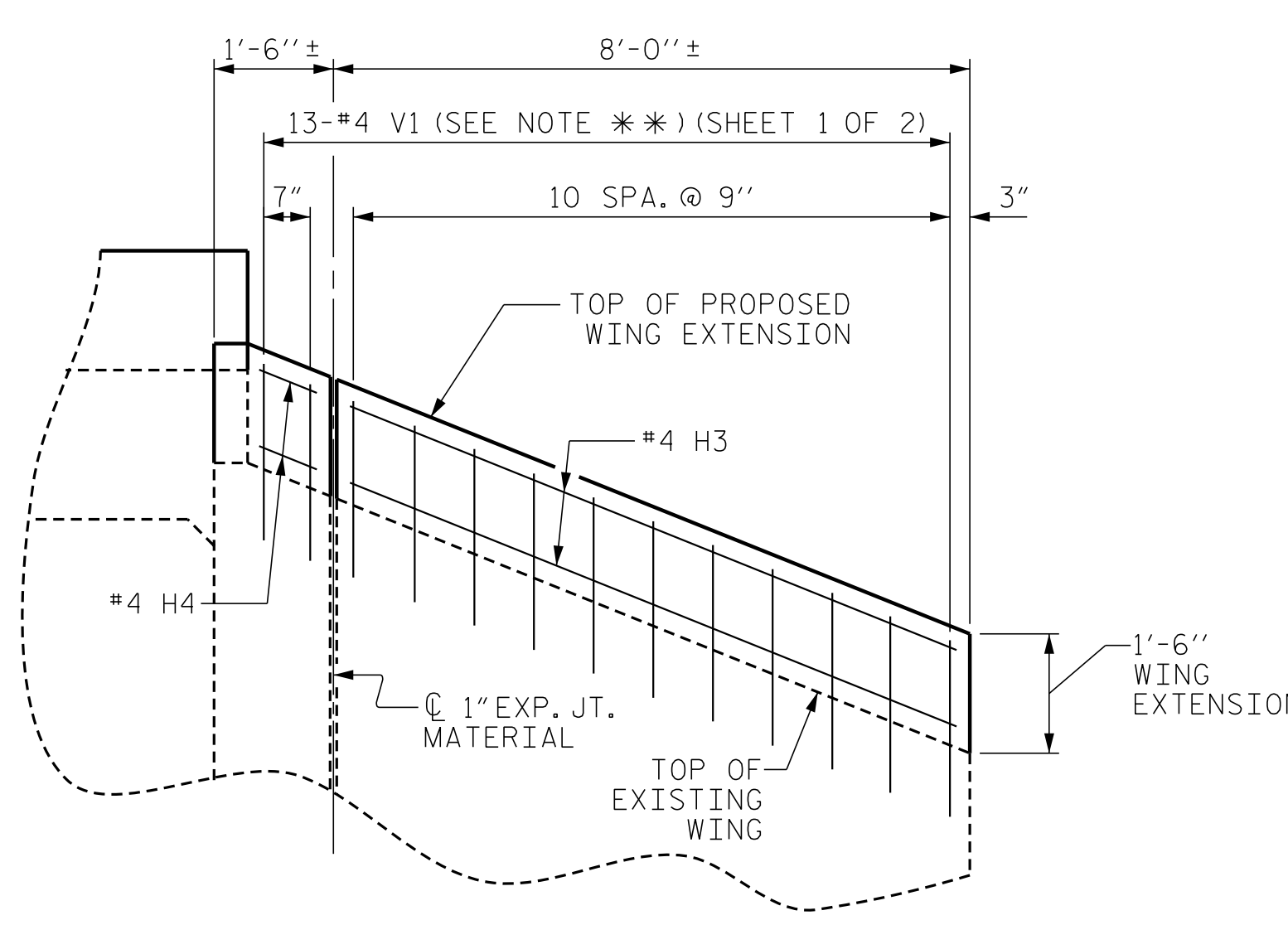


**WING EXTENSION SECTION**

(TYP. EA. WING)



**PARTIAL ELEVATION W1**



**PARTIAL ELEVATION W2**

PROJECT NO. R-5719  
WAYNE COUNTY  
 STATION: 57+31.75 -L-  
 SHEET 2 OF 2

ENGINEER OF RECORD

DocuSigned by  
 John Arthur Dilworth  
 62186260250438

**ETHERILL ENGINEERING**  
 1223 Jones Franklin Rd.  
 Raleigh, N.C. 27606  
 Bus: 919 851 8077  
 Fax: 919 851 8107  
 LICENSE NO. F-0377

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. C01-2	
TOTAL SHEETS 2	

DRAWN BY : RA/GMG DATE : 12-15  
 CHECKED BY : J.A. DILWORTH DATE : 1-16

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