

	ASSUMED LIVE LOAD HL-93 OR ALTERNATE LOADING.	FOR LIMITS		
	DESIGN FILL 4.88' MIN. FILL AND 6.68' MAX. FILL.	CONTROL PL TRAFFIC, SE		
	FOR OTHER DESIGN DATA AND NOTES, SEE STANDARD NOTES SHEET.			
	3″Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.	STAGE I AN		
	CONCRETE IN EACH STAGE TO BE POURED IN THE FOLLOWING ORDER:	EXCAVATE F Place 12″ of Section 414		
	1. WING FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS.			
	2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS.	FOR AREAS 12″OF CLASS 414 OF THE		
	THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.	AT THE CON MATERIAL F		
	DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.	OVEREXCAVA SUITABLE E CONDITION ENCAPSULAT FOUNDATION		
5	TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL,SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT.LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.			
√)) 	AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL ABOVE LOWER WALL CONSTRUCTION JOINT.THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS.EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.	PROVISION.		
1.5	FOR CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.			
	FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.			
	FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.			
	FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.			
). ک	FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.			
TB	FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.			
	FOR CONSTRUCTION SEQUENCE, SEE EROSION CONTROL PLANS.			
	AT THE CONTRACTOR'S OPTION HE MAY SUBMIT, TO THE ENGINEER FOR APPROVAL, DESIGN AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE CULVERT SHOWN ON THE PLANS.THE DESIGN SHALL PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS USED ON THE CAST-IN-PLACE DESIGN.FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISIONS.			

A CONCRETE	REINFORCING STEEL		FOUNDATION COND.MAT'L.	FOUNDATION C
I 175.5 C.Y.	STAGE I	<u>19,340</u> LBS.	STAGE I136_ TONS	STAGE I
II110.4_ C.Y.	STAGE II	13,286 LBS.	STAGE II 98 TONS	STAGE II
III 256.3 C.Y.	STAGE III	29,133 LBS.	STAGE III 208 TONS	STAGE III
TAL 542.2 C.Y.	TOTAL	61,759 LBS.	TOTAL 442 TONS	TOTAL
AL OF EXISTING STRUCTURE LUMP SUM	CULVERT EXCAVATION	LUMP SUM		•

TS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC PLANS.FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF SEE ROADWAY PLANS.

HALL BE USED TO CONNECT THE STAGE II & STAGE III CULVERT TO AND STAGE II, RESPECTIVELY, AS SHOWN.FOR NOTE REGARDING SETTING S, SEE SHEET SN.

FOUNDATION A MINIMUM OF 12"BELOW CULVERT BEARING ELEVATION. "OF CLASS VI FOUNDATION CONDITIONING MATERIAL IN ACCORDANCE WITH 414 OF THE STANDARD SPECIFICATIONS.

S WITH NEW FILL BELOW CULVERT BEARING ELEVATION, PLACE A MINIMUM OF SS VI FOUNDATION CONDITIONING MATERIAL IN ACCORDANCE WITH SECTION E STANDARD SPECIFICATIONS.

ONTRACTOR'S OPTION, USE ADDITIONAL CLASS VI FOUNDATION CONDITIONING FOR FILL BENEATH CULVERT BEARING ELEVATION.

ATE ADDITIONAL LOOSE/SOFT OR ORGANIC MATERIAL IF PRESENT TO BEARING MATERIALS AND REPLACE WITH ADDITIONAL CLASS VI FOUNDATION NING MATERIAL.

ATE ALL FOUNDATION CONDITIONING MATERIAL IN TYPE 4 GEOTEXTILE.FOR ON CONDITIONING GEOTEXTILE, SEE BOX CULVERT EXCAVATION SPECIAL ٧.

ROADWAY	Y DATA
GRADE POINT ELEV.@ ST BED ELEV.@ STA.902+33	A. 902+33.00 -L- SB = 168.53' A. 902+33.00 -L- NB = 168.53' .00 -L = 153.10' = 3 : 1
HYDRAULIC	DATA
FREQUENCY OF DESIGN F DESIGN HIGH WATER ELE DRAINAGE AREA	= 5.3 SQ.MI. = 1100 CFS
OVERTOPPIN	G FLOOD DATA
OVERTOPPING DISCHARGE FREQUENCY OF OVERTOPP OVERTOPPING FLOOD ELEY	ING FLOOD_ = 500+ YRS
COND.GEOTEXTILE 440 SQ.YDS.	
335 SQ. YDS.	
<u>    690</u> sq. yds.	
<u>1,465</u> SQ. YDS.	
	PROJECT NO. <u>I-5987B</u>
	ROBESON COUNTY
	STATION: 902+33.00 -L-
	SHEET 1 OF 9 REPLACES CULVERT #770168
OFFESSIONAL HA	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
SEAL 20125 NGINEER Documenter NOT CONSIDERED FINAL	TRIPLE 9 FT.X 8 FT. CONCRETE BOX CULVERT 90°-00'-00″SKEW
DOCUMENT NOT CONSIDERED FINAL JNLESS ALL SIGNATURES COMPLETED TGS ENGINEERS	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: C18-1
706 HILLSBOROUGH STREET SUITE 200 RALEIGH, NC 27603 PH (919) 773–8887	1 3 TOTAL SHEETS
<u>CORP. LICENSE NO.: C-0275</u>	2 4 9 FILE NAME: 414_001_I-5987B_Site_18_SMU_CU_001.dgn SITE 18