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kalford

I HEREBY CERTIFY T ARE THE AS-BUIL	
ADE DATA	
E POINT ELEV. @ 15+13.11 -Y1- ELEV. @ STA. 15+13.11 -Y1- WAY SLOPE ORAULIC DATA	
GN DISCHARGE GN FLOOD FREQUENCY GN HIGH WATER ELEVATION NAGE AREA DISCHARGE (Q100) ELEVATION (Q100)	50 YEARS 267.7 0.90 SO.MI. 900 CFS

ASSUMED LIVE LOADHL-93 OR AL	[ERNA
DESIGN FILL 4.49' (MAX.FI 2.91' (MIN.FIL	
FOR OTHER DESIGN DATA AND NOTES SEE ST	ANDAF
3"Ø WEEP HOLES INDICATED TO BE IN ACCO	RDAN
CONCRETE IN CULVERTS TO BE POURED IN T	HE FC
1. STAGE I OUTLET END APRON AND FLOOR	SLAB
2. THE REMAINING PORTIONS OF THE STAGE AND HEADWALLS.	I W/
3. STAGE II FLOOR SLAB INCLUDING 4" OF	ALL V
4. THE REMAINING PORTIONS OF THE STAGE	II V
THE RESIDENT ENGINEER SHALL CHECK THE L WILL PROPERLY TAKE CARE OF THE FILL.	ENGTH
TRANSVERSE CONSTRUCTION JOINTS SHALL B 70 FT.LOCATION OF JOINTS SHALL BE SUBJ	
STEEL IN THE BOTTOM SLAB MAY BE SPLICE EXTRA WEIGHT OF STEEL DUE TO THE SPLIC	
AT THE CONTRACTOR'S OPTION, HE MAY SPLI WALL AND BOTH FACES OF INTERIOR WALLS PROVIDED IN THE SPLICE LENGTH CHART SH PAID FOR BY THE CONTRACTOR.	ABOVE
DOWELS SHALL BE USED TO CONNECT THE PR AS SHOWN.FOR NOTE REGARDING SETTING OF	
THE PIPES THROUGH THE WALLS OF THE CUL BE FIELD BENT AS NECESSARY TO CLEAR PI	
THE CONTRACTOR SHALL PROVIDE INDEPENDE REQUIRING UP TO 400 TONS OF REINFORCIN PROJECTS REQUIRING OVER 400 TONS OF RE BARS FROM WHICH THE SAMPLES ARE TAKEN LENGTH OF THE SAMPLE, PLUS A MINIMUM LA REINFORCING STEEL SHALL BE CONSIDERED	NG STI INFOF MUST AP SPI
FOR CULVERT DIVERSION DETAILS AND PAY	ITEM
NO PRECAST REINFORCED BOX CULVERT OPT	ION W
FOR SUBMITTAL OF WORKING DRAWINGS, SEE	SPEC
FOR FALSEWORK AND FORMWORK, SEE SPECIAL	PROV
FOR CRANE SAFETY, SEE SPECIAL PROVISION	S.
FOR GROUT FOR STRUCTURES, SEE SPECIAL P	ROVIS
FOR LIMITS OF TEMPORARY SHORING FOR M	AINTE
FOR PAY ITEM FOR TEMPORARY SHORING FO	R MAI
TRAFFIC SHALL BE MAINTAINED ON SITE. F	OR MA
AFTER SERVING AS A TEMPORARY STRUCTUR SHOWN IN THE LOCATION SKETCH.	E, THE
CONCRETE REPAIR MAY BE REQUIRED DUE TO APPROVED BY THE ENGINEER. PAYMENT FOR	

TOTAL STRUCTURE QUANTITIES		
CLASS A CONCRETE		
STAGE I 179.1 C.Y.		
STAGE II 152.1 C.Y.		
TOTAL 331.2 C.Y.		
REINFORCING STEEL		
STAGE I 26998 LBS.		
STAGE II 22781 LBS.		
TOTAL 49779 LBS.		
FOUNDATION CONDITIONING MATERIAL		
STAGE I 153 TONS		
STAGE II — 105 TONS		
TOTAL 258 TONS		
CULVERT EXCAVATION LUMP SUM		
REMOVAL OF EXISTING STRUCTURE LUMP SUM		



## F.A.PROJECT NO.BRNHS-0070(119)

NOTES

ATE LOADING.

ARD NOTE SHEET. NCE WITH THE SPECIFICATIONS. OLLOWING ORDER: INCLUDING 4" OF ALL VERTICAL WALLS. VALLS AND OUTLET WALLS FULL HEIGHT FOLLOWED BY ROOF SLAB VERTICAL WALLS. WALLS FULL HEIGHT FOLLOWED BY ROOF SLAB. TH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT ED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF TO APPROVAL OF THE ENGINEER. THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION. HALL BE PAID FOR BY THE CONTRACTOR. HE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR VE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS ON THE PLANS.EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE SED CULVERT TO THE EXISTING CULVERT AND EXISTING LINED CHANNEL VELS, SEE SHEET SN. SHALL BE LOCATED BY THE ENGINEER. THE REINFORCING STEEL SHALL ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS:FOR PROJECTS TEEL,ONE 30 INCH SAMPLE OF EACH SIZE BAR USED,AND FOR DRCING STEEL,TWO 30 INCH SAMPLES OF EACH SIZE BAR USED.THE THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND PLICE OF THIRTY BAR DIAMETERS. PAYMENT FOR THE SAMPLES OF DENTAL TO VARIOUS PAY ITEMS. A. SEE EROSION CONTROL PLANS. WILL BE ALLOWED. CIAL PROVISIONS. VISIONS. SIONS. ENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. AINTENANCE OF TRAFFIC, SEE ROADWAY PLANS. MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. EXISTING REINFORCED CONCRETE BOX CULVERT SHALL BE REMOVED AS MOVAL OF EXISTING UTILITIES. METHOD OF CONCRETE REPAIR SHALL BE RETE REPAIR SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS. PROJECT NO. <u>B-5121/B-5317</u> WAKE COUNTY STATION: 15+13.11 - Y1-SHEET 1 OF 10 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SEAL 29441 DOUBLE 11 FT.X 7 FT. ACINEER. CONCRETE BOX CULVERI DocuSigned by the I.W. alford 45838930BF40E... 6/3/2016 SHEET NO REVISIONS C-1 DATE: DATE: BY: BY: DOCUMENT NOT CONSIDERED TOTAL SHEETS FINAL UNLESS ALL SIGNATURES COMPLETED 10