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GRADE POINT ELEV. @ STA. 24+88.00 -L-	= 1211.42
BED ELEV. @ STA. 24+88.00 -L-	= 1164.40
ROADWAY SLOPES	= 1.5:1 (LEFT) 1.64:1 (RIGHT)
HYDRAULIC DATA	_

DESIGN DISCHARGE	=	190	C.F.S.
FREQUENCY OF DESIGN FLOOD	=	50	YEARS
DESIGN HIGH WATER ELEVATION	11	70.5	
DRAINAGE AREA	=	167	ACRES
BASE DISCHARGE (Q100)	=	230	C.F.S.
BASE HIGH WATER ELEVATION	=	1171	.1

NOTES	
ASSUMED LIVE LOAD HL-93 OR AL	TERNATE LOADING.
DESIGN FILL 38.84 FT.(MAX.)	
FOR OTHER DESIGN DATA AND NOTES SEE STAN	NDARD NOTE SHEET.
3"Ø WEEP HOLES INDICATED TO BE IN ACCOR	DANCE WITH THE SPECIFICATIONS.
CONCRETE IN CULVERT TO BE POURED IN THE	FOLLOWING ORDER:
1. WING FUUTINGS, CURTAIN WALL AND FLOUR	SLAB INCLUDING 4" OF ALL VERTICAL WALLS.
HEIGHT FOLLOWED BY ROOF SLAB AND HE	ADWALLS.
THE RESIDENT ENGINEER SHALL CHECK THE LEI OUT TO MAKE CERTAIN THAT IT WILL PROPER	NGTH OF CULVERT BEFORE STAKING IT LY TAKE CARE OF THE FILL.
DIMENSIONS FOR WING LAYOUT AS WELL AS A EMBEDDED IN BARREL ARE SHOWN ON WING SH	DDITIONAL REINFORCING STEEL EET.
AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE INTERIOR FACE OF EXTERIOR WALLS ABOY SPLICE LENGTH SHALL BE AS PROVIDED IN TH PLANS.EXTRA WEIGHT OF STEEL DUE TO THE S CONTRACTOR.	E THE VERTICAL REINFORCING STEEL IN VE LOWER WALL CONSTRUCTION JOINT.THE NE SPLICE LENGTH CHART SHOWN ON THE SPLICES SHALL BE PAID FOR BY THE
IF APPROVED BY THE ENGINEER, THE CONTRACT TEMPORARY SHORING FOR THE CONSTRUCTION CASE, THE BOTTOM SLAB OF THE EXTENSION SH TO CUTTING THE WINGS. THE WINGS MAY BE C STRENGTH HAS REACHED A MINIMUM COMPRES	TOR MAY USE THE EXISTING WINGS AS OF THE CULVERT EXTENSION.IN THIS HALL BE POURED AT LEAST 72 HOURS PRIOR OUT EARLIER PROVIDED THE SLAB CONCRETE SSIVE STRENGTH OF 1500 PSI.
A 3 FOOT STRIP OF FILTER FABRIC SHALL BE WING COVERING THE ENTIRE LENGTH OF THE E	E ATTACHED TO THE FILL FACE OF THE EXPANSION JOINT.
FOR LIMITS OF TEMPORARY RETAINING WALL CONTROL PLANS.FOR PAY ITEM FOR TEMPORAR SEE ROADWAY PLANS.	FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC BY SHORING FOR MAINTENANCE OF TRAFFIC,
NO PRECAST CONCRETE BOX CULVERT OPTION	WILL BE ALLOWED.
FOR FALSEWORK AND FORMWORK, SEE SPECIAL F	PROVISIONS.
FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.	
FOR SUBMITTAL OF WORKING DRAWINGS, SEE S	PECIAL PROVISIONS.
FOR GROUT FOR STRUCTURES, SEE SPECIAL PRO	OVISIONS.
FOR EROSION CONTROL MEASURES, SEE EROSION	N CONTROL PLANS.
TOTAL STRUCTURE Q	UANTITIES
CULVERT EXCAVATION	LUMP SUM
FOUNDATION CONDITIONING MATERIAL	21 TONS
CLASS A CONCRETE BARREL @ 0.923 CY/FT	24.6 CY
	8.0 CY
WINGS, ETC.	32.6 CY
REINFORCING STEEL	2605 LBS.
BARREL	519 LBS
WINGS, ETC	3124 LBS
TOTAL	
	B = 4/47
	PROJECT NO. D-4447
	BURKECOUNTY
	STATION: 24+88.00 -L-
	SHEET 1 OF 6
	STATE OF NORTH CAROLINA
WINNING TH CAROLINA	DEPARTMENT OF TRANSPORTATION RALEIGH
CESSION A THE SEAL OF ESSION A THE	
22005 JEAL JEAL 20125	I = S NG + 6' - 0'' X = 6' - 0''



4/20/2017

CONCRETE EXTENSION CULVERT Z 20125 Marshall 4/20/2017 REVISIONS SHEET NO. DATE: NO. BY: DATE: C-1 BY: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS