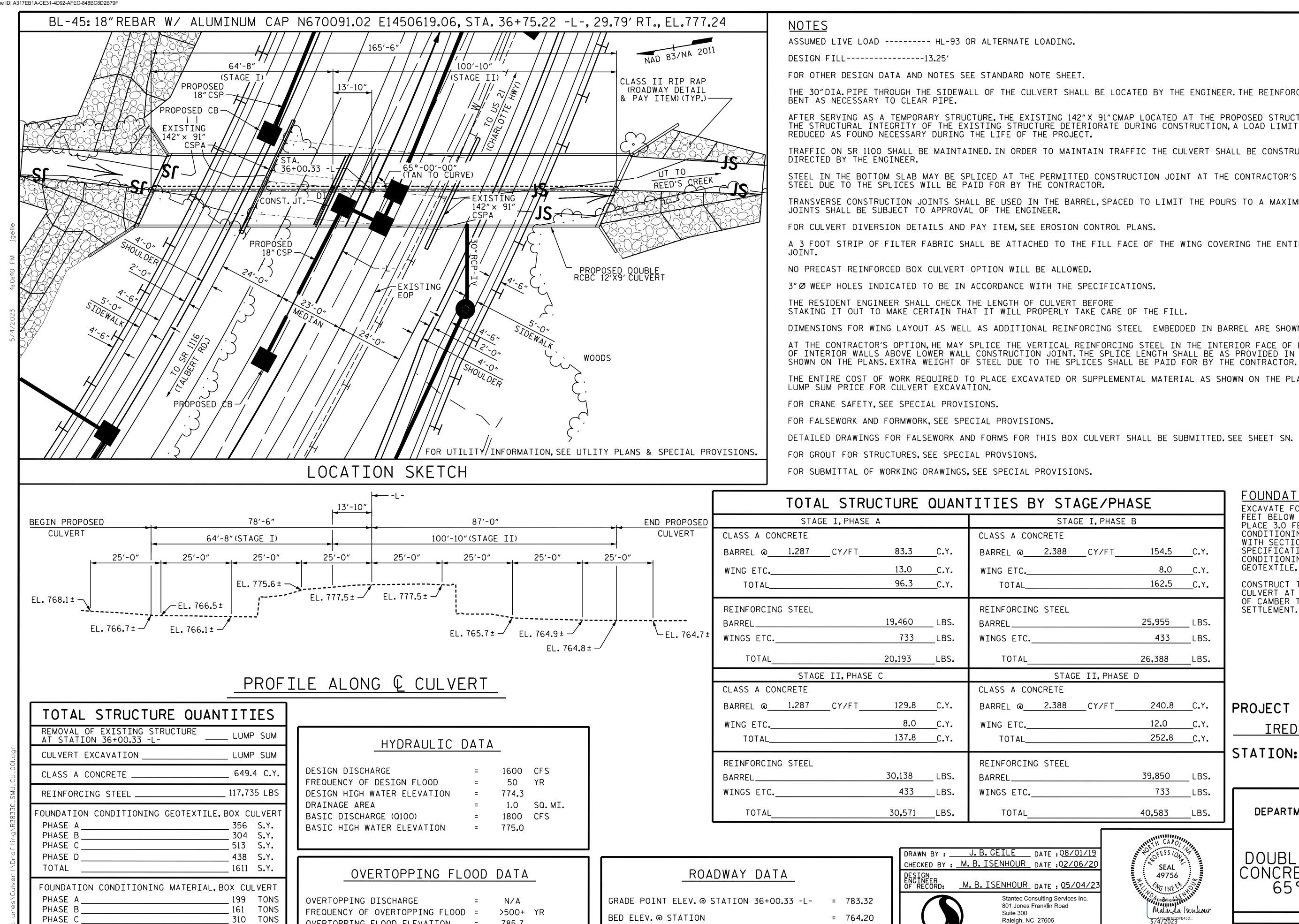
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OVERTOPPING FLOOD ELEVATION

TONS

921 TONS

251

=

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PHASE C

PHASE D

TOTAL

			TOTA	L STRU	CTURE	QUAN	TITIES BY S	TA
-0"	END PROPOSED		STAG	E I, PHASE /	А		S	STAGE
GE II)	CULVERT	CLASS A CON	ICRETE				CLASS A CONCRETE	=
" . 25'-0" .	 25'-0″	BARREL @	1.287	_CY/FT	83.3	C.Y.	BARREL @ 2.38	8
		WING ETC			13.0	C.Y.	WING ETC	
		TOTAL			96.3	<u> </u>	TOTAL	
		REINFORCINO	STEEL				REINFORCING STEE	EL
εL. 764.9±		BARREL			19,460	LBS.	BARREL	
′± ─′ EL.764.9± ─′ EL.764.8± ·	EL. 764.7±	WINGS ETC			733	LBS.	WINGS ETC	
		TOTAL			20,193	LBS.	TOTAL	
		STAGE II, PHASE C				S	TAGE	
		CLASS A CON	ICRETE				CLASS A CONCRETE	Ξ
		BARREL @	1.287	_CY/FT	129.8	C.Y.	BARREL @ 2.38	8
		WING ETC			8.0	<u> </u>	WING ETC	
Α		TOTAL			137.8	C.Y.	TOTAL	
		REINFORCING	; STEEL				REINFORCING STEE	ΞL
1600 CFS 50 YR		BARREL			30,138	LBS.	BARREL	
774.3		WINGS ETC			433	LBS.	WINGS ETC	
1.0 SQ.MI. 1800 CFS		TOTAL			30,571	LBS.	TOTAL	
775.0					DRAW	'N BY :	J. B. GEILE DATE : (	<u> 28/0</u> 3
			٨				.B.ISENHOUR DATE :C	)2/06
DATA		DWAY DAT	<u>A</u>		DESI ENGI OF R	GN NEER ECORD: <u>N</u>	1. B. ISENHOUR DATE :	<u>05/0</u>
NZA	GRADE POINT ELEV.@ S	STATION 36+00	.33 -L-	= 783.32			Stantec Consulting Se 801 Jones Franklin Ro	
>500+ YR 785.7	BED ELEV.@ STATION			= 764.20			Suite 300 Raleigh, NC 27606	
	ROADWAY SLOPES			= 2:1			Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com	
						Stant		

Stantec

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THE 30"DIA.PIPE THROUGH THE SIDEWALL OF THE CULVERT SHALL BE LOCATED BY THE ENGINEER. THE REINFORCING STEEL SHALL BE FIELD AFTER SERVING AS A TEMPORARY STRUCTURE, THE EXISTING 142"X 91"CMAP LOCATED AT THE PROPOSED STRUCTURE SHALL BE REMOVED. SHOULD THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE DETERIORATE DURING CONSTRUCTION, A LOAD LIMIT MAY BE POSTED AND MAY BE TRAFFIC ON SR 1100 SHALL BE MAINTAINED. IN ORDER TO MAINTAIN TRAFFIC THE CULVERT SHALL BE CONSTRUCTED IN SECTIONS AS STEEL IN THE BOTTOM SLAB MAY BE SPLICED AT THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION.EXTRA WEIGHT OF TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT.LOCATION OF A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART

THE ENTIRE COST OF WORK REQUIRED TO PLACE EXCAVATED OR SUPPLEMENTAL MATERIAL AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE

AGE/PHASE B 	FOUNDATION NOTES EXCAVATE FOUNDATION A MINIMUM OF 3.0 FEET BELOW CULVERT BEARING ELEVATION. PLACE 3.0 FEET OF CLASS VI FOUNDATION CONDITIONING MATERIAL IN ACCORDANCE WITH SECTION 414 OF THE STANDARD SPECIFICATIONS. ENCAPSULATE FOUNDATION CONDITIONING MATERIAL WITH TYPE 2 GEOTEXTILE, SEE SPECIAL PROVISION. CONSTRUCT THE REINFORCED CONCRETE BOX CULVERT AT -L- STATION 36+00.33 WITH 4" OF CAMBER TO ACCOUNT FOR ANTICIPATED SETTLEMENT.
CY/FT240.8 C.Y. 12.0 C.Y. 252.8 C.Y. 39,850 LBS.	PROJECT NO. <u>R-3833C</u> <u>IREDELL</u> COUNTY STATION: <u>36+00.33</u> -L-
733 LBS.	REPLACES BRIDGE NO. 480045 STATE OF NORTH CAROLINA
40,583 LBS.	DEPARTMENT OF TRANSPORTATION RALEIGH
01/19 06/20 <u>04/23</u> s Inc. DOCUMENT NOT CONSIDERE FINAL UNLESS ALL SIGNATURES COMPLETED	DOUBLE 12 FT. X 9 FT. CONCRETE BOX CULVERT 65° 00'00" SKEW REVISIONS SHEET NO. C-01 1 31 10 10 BY: DATE: C-01 1 31 10 10 BY: DATE: 16