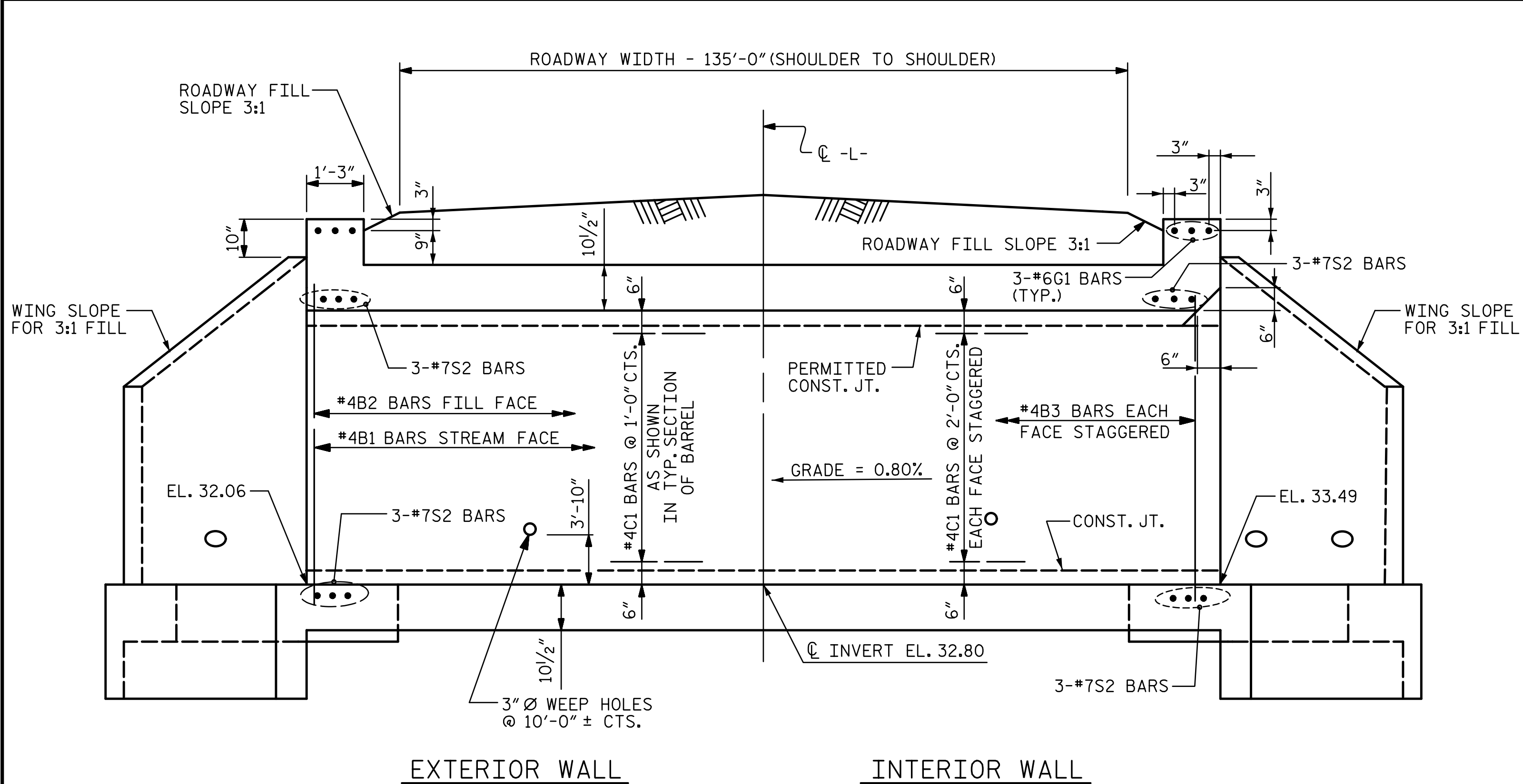
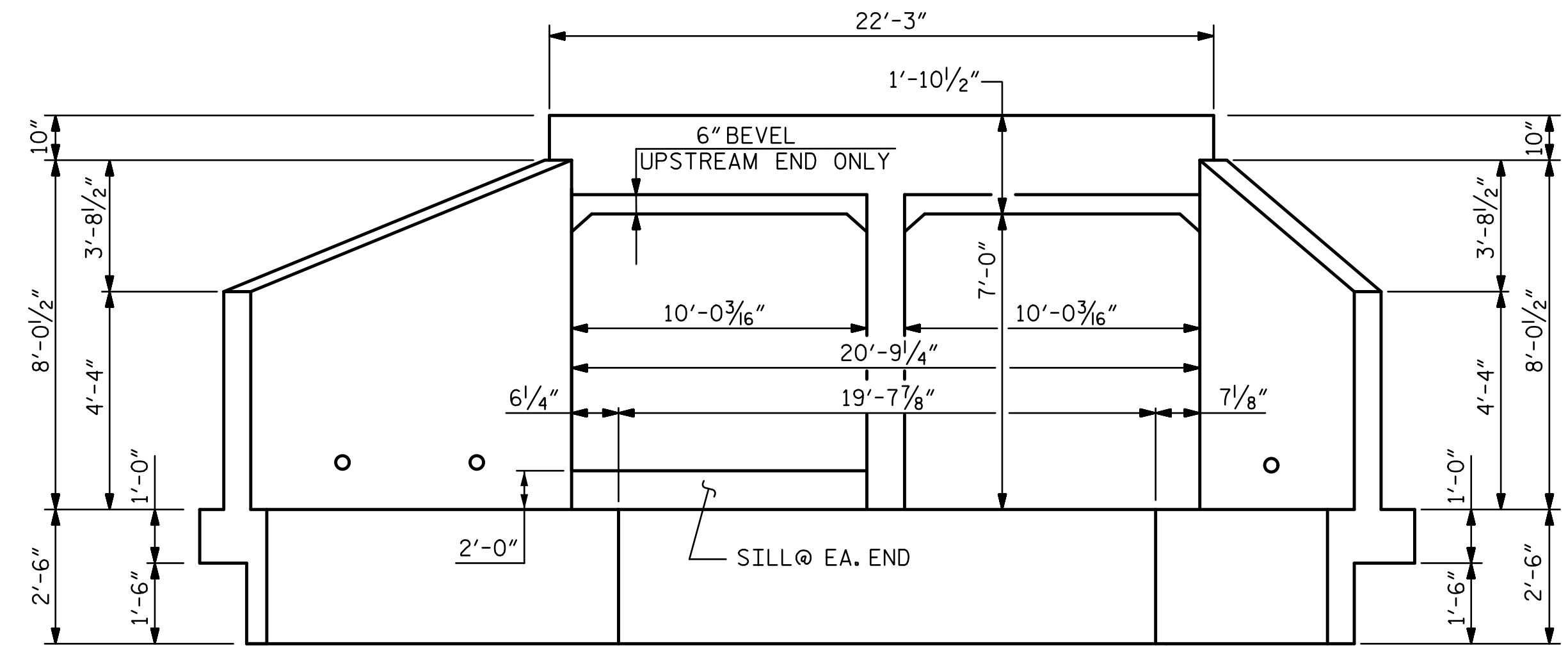


i:\Projects\4016617\4016617_000\50_Deliverables & Submittals\U-4751\Structures\Culverts\Culverts\CULV_U-4751_SML_C1_003_640001.dgn 3:02:43 PM 7/11/2017



CULVERT SECTION NORMAL TO ROADWAY



END ELEVATION NORMAL TO SKEW
(INLET END SHOWN, OUTLET END SIMILAR)

BAR TYPES
ALL BAR DIMENSIONS ARE OUT TO OUT.

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
B2	#4	1'-9"
C1	#4	1'-9"

BILL OF REINFORCING FOR BARREL

MARK	NO.	SIZE	TYPE	LENGTH	WEIGHT	MARK	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	768	#4	①	5'-7"	2,864	A300	365	#5	STR	19'-8"	7,487
A2	768	#4	①	5'-7"	2,864	A301	2	#5	STR	18'-11"	39
A100	334	#4	STR	19'-8"	4,388	A302	2	#5	STR	17'-11"	37
A101	2	#4	STR	19'-2"	26	A303	2	#5	STR	17'-0"	35
A102	2	#4	STR	18'-2"	24	A304	2	#5	STR	16'-1"	34
A103	2	#4	STR	17'-1"	23	A305	2	#5	STR	15'-2"	32
A104	2	#4	STR	16'-1"	21	A306	2	#5	STR	14'-2"	30
A105	2	#4	STR	15'-1"	20	A307	2	#5	STR	13'-3"	28
A106	2	#4	STR	14'-0"	19	A308	2	#5	STR	12'-4"	26
A107	2	#4	STR	13'-0"	17	A309	2	#5	STR	11'-5"	24
A108	2	#4	STR	12'-0"	16	A310	2	#5	STR	10'-5"	22
A109	2	#4	STR	10'-11"	15	A311	2	#5	STR	9'-6"	20
A110	2	#4	STR	9'-11"	13	A312	2	#5	STR	8'-7"	18
A111	2	#4	STR	8'-11"	12	A313	2	#5	STR	7'-7"	16
A112	2	#4	STR	7'-10"	10	A314	2	#5	STR	6'-8"	14
A113	2	#4	STR	6'-10"	9	A315	2	#5	STR	5'-9"	12
A114	2	#4	STR	5'-10"	8	A316	2	#5	STR	4'-10"	10
A115	2	#4	STR	4'-10"	6	A317	2	#5	STR	3'-10"	8
A116	2	#4	STR	3'-9"	5	A318	2	#5	STR	2'-11"	6
A117	2	#4	STR	2'-9"	4	A319	2	#5	STR	2'-0"	4
A118	2	#4	STR	1'-9"	2	A400	365	#5	STR	19'-8"	7,487
A200	334	#4	STR	19'-8"	24,388	A401	2	#5	STR	18'-11"	39
A201	2	#4	STR	19'-2"	26	A402	2	#5	STR	17'-11"	37
A202	2	#4	STR	18'-2"	24	A403	2	#5	STR	17'-0"	35
A203	2	#4	STR	17'-1"	23	A404	2	#5	STR	16'-1"	34
A204	2	#4	STR	16'-1"	21	A405	2	#5	STR	15'-2"	32
A205	2	#4	STR	15'-1"	20	A406	2	#5	STR	14'-2"	30
A206	2	#4	STR	14'-0"	19	A407	2	#5	STR	13'-3"	28
A207	2	#4	STR	13'-0"	17	A408	2	#5	STR	12'-4"	26
A208	2	#4	STR	12'-0"	16	A409	2	#5	STR	11'-5"	24
A209	2	#4	STR	10'-11"	15	A410	2	#5	STR	10'-5"	22
A210	2	#4	STR	9'-11"	13	A411	2	#5	STR	9'-6"	20
A211	2	#4	STR	8'-11"	12	A412	2	#5	STR	8'-7"	18
A212	2	#4	STR	7'-10"	10	A413	2	#5	STR	7'-7"	16
A213	2	#4	STR	6'-10"	9	A414	2	#5	STR	6'-8"	14
A214	2	#4	STR	5'-10"	8	A415	2	#5	STR	5'-9"	12
A215	2	#4	STR	4'-10"	6	A416	2	#5	STR	4'-10"	10
A216	2	#4	STR	3'-9"	5	A417	2	#5	STR	3'-10"	8
A217	2	#4	STR	2'-9"	4	A418	2	#5	STR	2'-11"	6
A218	2	#4	STR	1'-9"	2	A419	2	#5	STR	2'-0"	4
B1	354	#4	STR	8'-4"	1,971	B2	768	#4	STR	6'-0"	3,078
B3	354	#4	STR	8'-4"	1,971	C1	522	#4	STR	26'-9"	9,131
D1	6	#6	STR	2'-5"	22	G1	6	#6	STR	21'-10"	197
S2	12	#7	STR	21'-10"	536	TOTAL BARREL REINFORCING STEEL = 47,714 LBS.					

PROJECT NO. U-4751
 NEW HANOVER COUNTY
 STATION: 117+49.00 -L-
 SHEET 3 OF 6

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**DOUBLE 9'-0" X 7'-0" CONCRETE BOX CULVERT
 116°-00'-00" SKEW**

7/12/2017

STV ENGINEERS, INC.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-5991

REVISIONS

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

SHEET NO. C1-3
 TOTAL SHEETS 6

DRAWN BY: BMC DATE: 4-17
 CHECKED BY: MLO DATE: 4-17
 DESIGN ENGINEER OF RECORD: B. CURRY DATE: 4-17