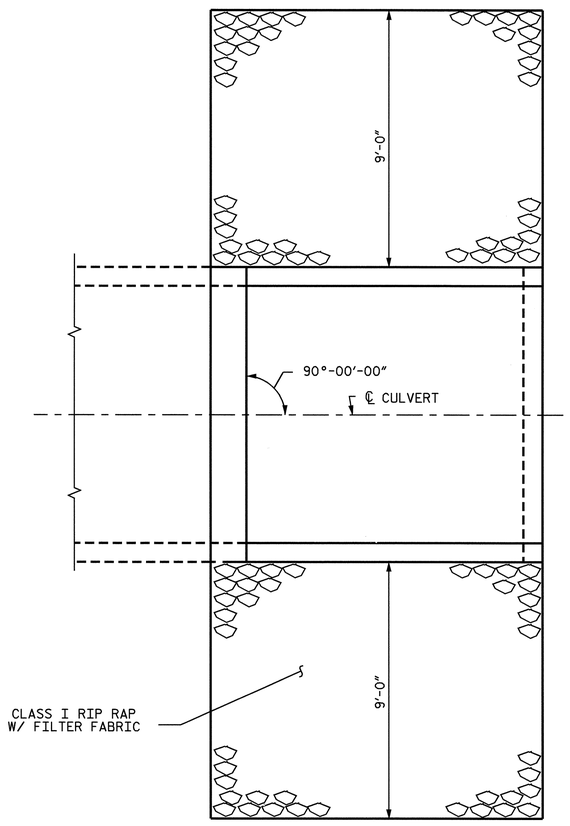
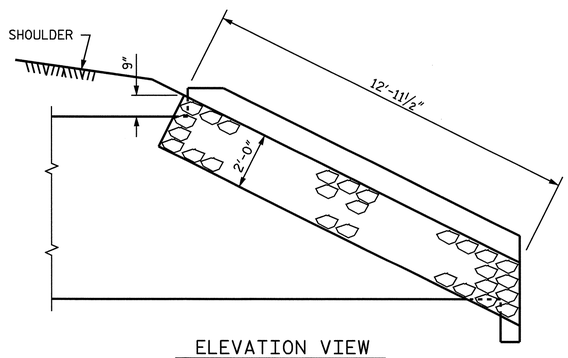


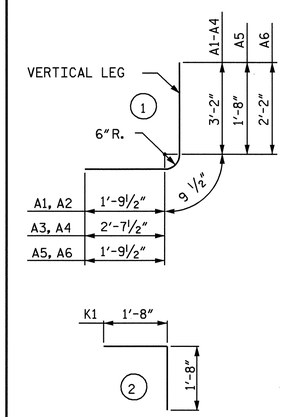
PLAN VIEW



ELEVATION VIEW

OUTLET WING RIP RAP DETAILS

BAR TYPES



DIMENSIONS ARE OUT TO OUT

REINFORCING STEEL BAR SCHEDULE
(BARREL, TAPERED INLET AND OUTLET WINGS

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	440	#5	1	5'-9"	2639	B1	520	#4	STR	5'-11"	2055
A2	440	#5	1	5'-9"	2639						
A3	44	#5	1	6'-7"	302	C1	138	#4	STR	26'-11"	2481
A4	44	#5	1	6'-7"	302	C2	8	#4	STR	15'-6"	83
A5	4	#5	1	4'-3"	17	C3	66	#4	STR	28'-7"	1260
A6	30	#5	1	4'-9"	149						
						D1	12	#6	STR	3'-0'	54
A100	300	#5	STR	9'-11"	3103						
A101	3	#5	STR	10'-0"	31	G1	2	#4	STR	10'-0"	13
A102	3	#5	STR	10'-6"	33	G2	2	#4	STR	14'-2"	19
A103	3	#5	STR	10'-11"	34						
A104	3	#5	STR	11'-5"	36	H11	4	#4	STR	1'-9"	5
A105	3	#5	STR	11'-10"	37	H12	4	#4	STR	3'-9"	10
A106	3	#5	STR	12'-4"	39	H13	4	#4	STR	5'-9"	15
A107	3	#5	STR	12'-10"	40	H14	4	#4	STR	7'-9"	21
A108	3	#5	STR	13'-3"	41	H15	4	#4	STR	9'-9"	26
A109	3	#5	STR	13'-8"	43	H16	4	#4	STR	10'-0"	27
A110	3	#5	STR	14'-2"	44	H17	4	#4	STR	11'-2"	30
A200	323	#5	STR	9'-11"	3341	K1	6	#4	2	3'-4"	13
A201	3	#5	STR	10'-0"	31						
A202	3	#5	STR	10'-6"	33	S2	2	#4	STR	10'-0"	13
A203	3	#5	STR	10'-11"	34						
A204	3	#5	STR	11'-5"	36	V11	8	#4	STR	1'-7"	8
A205	3	#5	STR	11'-10"	37	V12	8	#4	STR	2'-2"	12
A206	3	#5	STR	12'-4"	39	V13	8	#4	STR	2'-9"	15
A207	3	#5	STR	12'-10"	40	V14	8	#4	STR	3'-4"	18
A208	3	#5	STR	13'-3"	41	V15	8	#4	STR	3'-11"	21
A209	3	#5	STR	13'-8"	43	V16	8	#4	STR	4'-6"	24
A210	3	#5	STR	14'-2"	44	V17	8	#4	STR	5'-1"	27
						V18	8	#4	STR	5'-8"	30
						REINFORCING STEEL (LBS)			=		19,528

*** SPLICE LENGTH CHART ***

BAR	SIZE	SPLICE LENGTH
B1	4	1'-9"
C1-C3	4	1'-11"

PROJECT NO. U-0620
CUMBERLAND COUNTY
STATION: 184+27.00 -L-

SHEET 5 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OUTLET WINGS
SINGLE BARREL
9'-0" x 5'-0"
CONCRETE BOX CULVERT
H=5' SLOPE=2:1
90° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER BRUCE D. KLAPPENBACH
6-4-04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-22
1			3			TOTAL SHEETS
2			4			23

DRAWN BY : JASON B. WILSON DATE : 9/03
CHECKED BY : G.M. Patterson DATE : 1/ 04