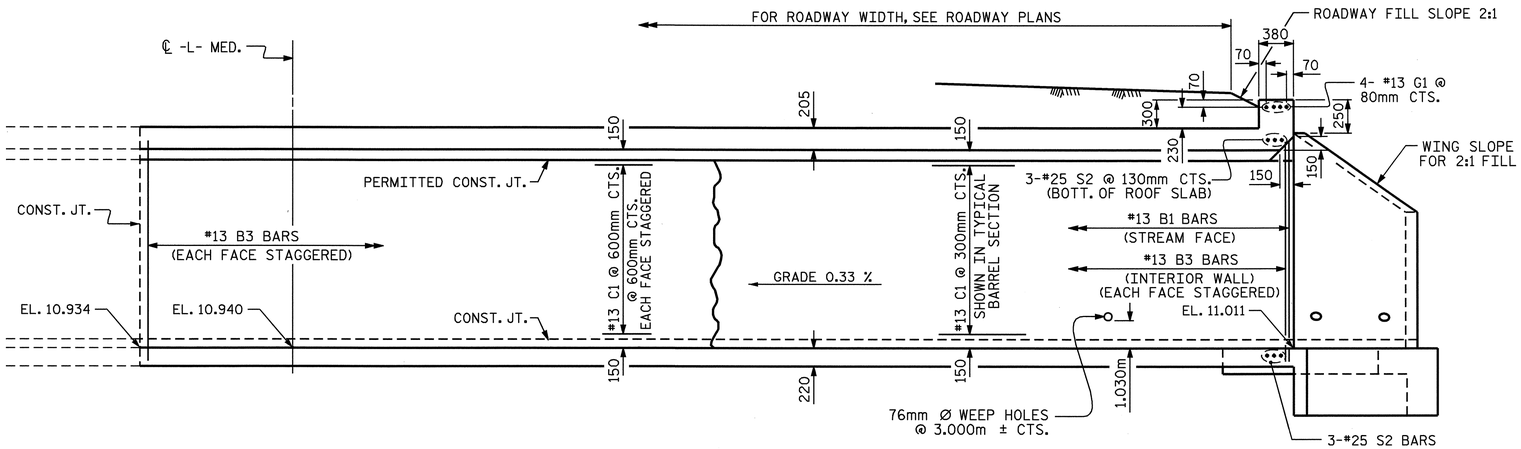
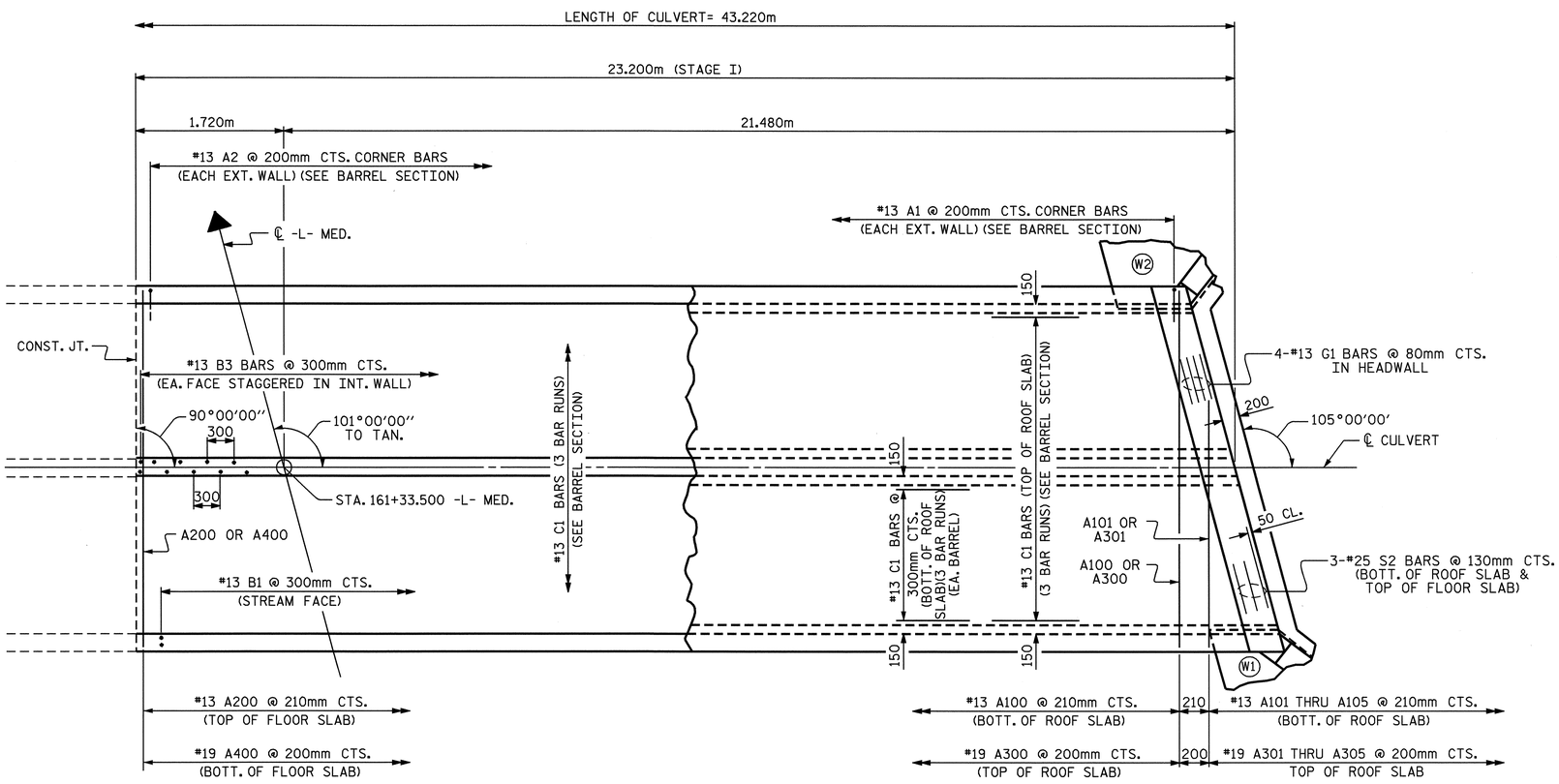
W:\squadR\R2514a\Str4\dgladden\Microstation\onslow\r-2514a
dgladden

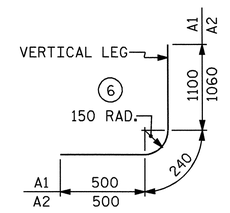


CULVERT SECTION NORMAL TO ROADWAY (INLET END, STAGE I)



PLAN OF CULVERT (INLET END, STAGE I)

BAR TYPE



SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A200	#13	540
A400	#19	690
B1	#13	540
B3	#13	540
C1	#13	590

BILL OF MATERIAL

STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A100	106	#13	STR	4680	493
A101	1	#13	STR	3760	4
A102	1	#13	STR	2980	3
A103	1	#13	STR	2180	2
A104	1	#13	STR	1400	1
A105	1	#13	STR	600	1
A200	106	#13	STR	4680	493
A201	1	#13	STR	3760	4
A202	1	#13	STR	2980	3
A203	1	#13	STR	2180	2
A204	1	#13	STR	1400	1
A205	1	#13	STR	600	1
A300	110	#19	STR	4680	1151
A301	1	#19	STR	3780	8
A302	1	#19	STR	3040	7
A303	1	#19	STR	2280	5
A304	1	#19	STR	1540	3
A305	1	#19	STR	820	2
A400	110	#19	STR	4680	1151
A401	1	#19	STR	3780	8
A402	1	#19	STR	3040	7
A403	1	#19	STR	2280	5
A404	1	#19	STR	1540	3
A405	1	#19	STR	820	2
A1	232	#13	6	1840	424
A2	232	#13	6	1800	415
B1	154	#13	STR	2060	315
B3	154	#13	STR	2060	315
C1	174	#13	STR	8480	1467
G1	4	#13	STR	4880	19
S2	6	#25	STR	4880	116
REINFORCING STEEL				=	6431 KG

PROJECT NO. R-2514A

ONSLOW COUNTY

STATION: 161+33.500 -L- MED.

SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 2.100m X 1.800m CONCRETE BOX CULVERT (STAGE I) 101° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER BRUCE D KLAPPENBACH
4-7-04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-7
1			3			TOTAL SHEETS
2			4			9

DRAWN BY : D. A GLADDEN DATE : 4-2-03
CHECKED BY : M. G. SHAIKH DATE : 7-03

STR. #4