EARTHWORK

1	2		3		4		5		6		7	
MEREDITH ROAD (north leg)	CUT EARTH EXCAVATION (CU YD)		UNSUITABLE * MATERIAL (CU YD)		FILL EMBANKMENT (CU YD)		ADJUSTMENT FOR SHRINKAGE (CU YD)		EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)		TOPSOIL FURNISH & PLACE (SQ YD)	
	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II
STA. 51+00 TO STA. 51+50	0	14	124	83	98	71	0.0	11.9	-98.0	-59.1		
STA. 51+50 TO STA. 52+00	0	0	25	14	19	11	0.0	0.0	-19.0	-11.0		
STA. 52+00 TO STA. 52+50	7	4	72	53	50	35	6.0	3.4	-44.1	-31.6		
STA. 52+50 TO STA. 53+00	13	11	61	68	53	39	11.1	9.4	-42.0	-29.7		
STA. 53+00 TO STA. 53+50	4	11	65	68	99	47	3.4	9.4	-95.6	-37.7		
STA. 53+50 TO STA. 54+00	0	7	65	66	113	52	0.0	6.0	-113.0	-46.1		
STA. 54+00 TO STA. 54+50	10	3	62	61	80	54	8.5	2.6	-71.5	-51.5		
STA. 54+50 TO STA. 55+00	10	3	66	60	69	53	8.5	2.6	-60.5	-50.5		
STA. 55+00 TO STA. 55+50	4	7	67	60	75	49	3.4	6.0	-71.6	-43.1		
STA. 55+50 TO STA. 56+00	4	6	68	60	77	51	3.4	5.1	-73.6	-45.9		
STA. 56+00 TO STA. 56+50	5	1	67	59	72	57	4.3	0.9	-67.8	-56.2		
STA. 56+50 TO STA. 57+00	8	0	63	53	67	59	6.8	0.0	-60.2	-59.0		
STA. 57+00 TO STA. 57+50	3	0	53	47	59	51	2.6	0.0	-56.5	-51.0		
STA. 57+50 TO STA. 58+00	6	0	56	39	48	37	5.1	0.0	-42.9	-37.0		
STA. 58+00 TO STA. 58+50	6	0	61	31	44	23	5.1	0.0	-38.9	-23.0		
STA. 58+50 TO STA. 59+00	0	0	49	33	33	18	0.0	0.0	-33.0	-18.0		
STA. 59+00 TO STA. 59+50	0	0	44	34	28	18	0.0	0.0	-28.0	-18.0		
STA. 59+50 TO STA. 59+50	0	0	39	28	23	15	0.0	0.0	-23.0	-15.0		
STA. 59+50 TO STA. 60+00	0	0	33	21	20	12	0.0	0.0	-20.0	-12.0		
STA. 60+00 TO STA. 60+50	0	0	28	19	17	11	0.0	0.0	-17.0	-11.0		
STA. 60+50 TO STA. 60+67.3	0	0	9	7	6	4	0.0	0.0	-6.0	-4.0		
STA. 60+67.3 TO STA. 61+00	0	0	8	6	5	4	0.0	0.0	-5.0	-4.0		
SUB-TOTAL	80	67	1185	970	1155	771	68.0	57.0	-1087.0	-714.1	1957.7	1511.4

COLUMN 1: LOCATION FROM PLANS
COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL
COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT, ASSUME 10" OF UNSUITABLE MATERIAL
COLUMN 4: QUANTITIES FROM CROSS SECTIONS (FILL)

COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR WAS DETERMINED TO BE 15%
COLUMN 6: COLUMN 5 - COLUMN 4, POSITIVE QUANTITY= EXTRA EXCAVATION, NEGETIVE QUANTITY= FURNISHED EXCAVATION NEEDED
COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SEEDING AND

*BETWEEN STA. 50+50 TO STA. 52+00 (NORTH MEREDITH) UNDERCUT THE WEST EMBANKMENT AN ADDITIONAL 14" BEYOND THE 10" UNSUITABLE REMOVAL, FOR A TOTAL OF 24". THE WIDTH OF THIS UNDERCUT SHALL BE FROM THE BOTTOM OF THE EXISTING DITCH TO THE PROPOSED DITCH BOTTOM. THIS UNDERCUT SHALL BE FILLED WITH POROUS GRANULAR EMBANKMENT SUBGRADE AND PAID PER CUYD. SEE TEMPLATED CROSS SECTIONS.

*BETWEEN STA. 50+50 TO STA. 60+67 (NORTH MEREDITH) UNDER CUT THE WEST EMBANKMENT AN ADDITIONAL 18" BELOW THE PROPOSED AGGREGATE SUBGRADE. THIS UNDERCUT SHALL BE BENEATH THE PROPOSED WIDENING. THIS AREA CAN BE FILLED WITH NEW EMBANKMENT MATERIAL. SEE TEMPLATED CROSS SECTIONS.

*BETWEEN STA. 51+00 TO STA. 60+67 (NORTH MEREDITH) UNDER CUT THE EAST EMBANKMENT AN ADDITIONAL 18" BELOW THE PROPOSED AGGREGATE SUBGRADE. THIS UNDERCUT SHALL BE BENEATH THE PROPOSED WIDENING. THIS AREA CAN BE FILLED WITH NEW EMBANKMENT MATERIAL. SEE TEMPLATED CROSS SECTIONS.