

EARTHWORK SCHEDULES - STAGE I

IL 47 - NORTH

Station	Earth Exc Area (SF)	Embankment Area (SF)	Earth Exc Volume (CY)	Embankment Volume (CY)	Topsoil Removal Area (SF)	Topsoil Volume (CY)	Benching Excavation (SF)	Benching Excavation Volume (CY)
113+62	65.0	16.7	91.5	23.5	36.0	50.7	0.0	0.0
114+00	65.0	16.7	146.5	15.5	36.0	33.3	0.0	0.0
114+50	93.2	0.0	166.0	2.0	0.0	23.4	0.0	0.0
115+00	86.1	2.2	155.6	4.4	25.3	36.4	0.0	0.0
115+50	81.9	2.5	156.5	4.3	14.0	25.5	0.0	0.0
116+00	87.1	2.1	160.3	3.5	13.5	23.1	0.0	0.0
116+50	86.0	1.7	147.4	3.4	11.4	21.5	0.0	0.0
117+00	73.2	2.0	123.2	3.4	11.8	20.0	0.0	0.0
117+50	59.9	1.7	100.6	4.0	9.8	18.4	0.0	0.0
118+00	48.7	2.6	81.7	4.7	10.1	16.1	0.0	0.0
118+50	39.5	2.5	67.5	5.3	7.3	14.1	0.0	0.0
119+00	33.4	3.2	56.2	6.2	7.9	17.4	0.0	0.0
119+50	27.3	3.5	46.5	5.6	10.9	20.3	0.0	0.0
120+00	22.9	2.5	44.1	4.4	11.0	19.0	0.0	0.0
120+50	24.7	2.3	47.7	8.6	9.5	22.4	0.0	0.0
121+00	26.8	7.0	48.9	7.0	14.7	19.6	0.0	0.0
121+50	26.0	0.6	49.4	7.3	6.5	28.1	0.0	0.0
122+00	27.3	7.3	48.5	10.4	23.9	30.4	0.0	0.0
122+50	25.1	3.9	45.5	12.2	8.9	22.6	0.0	0.0
123+00	24.0	9.3	22.2	8.6	15.5	14.4	0.0	0.0
123+25	24.0	9.3	22.2	8.6	15.5	14.4	0.0	0.0
Subtotals			1805.6	144.3		476.6	Subtotals	0.0

IL 64 - SUBGRADE VAR. DEPTH REM. & REPLACE. - STA. 50+00 TO 54+50 - 28' LT TO 35' RT

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E. (SF)	P.G.E. Volume (CY)
49+62.5	0.0	566.7	0.0	699.5
50+00	816.1	1565.9	1007.3	2850.9
50+50	875.2	1511.2	2071.7	2810.8
51+00	756.9	1504.7	964.0	1912.9
51+50	868.2	1585.6	1101.9	2047.8
52+00	844.3	1688.0	1109.7	2212.9
52+50	978.8	1755.0	1280.2	2321.3
53+00	916.7	1701.1	1226.8	2279.9
53+50	920.5	1470.7	1235.5	2010.9
54+00	667.9	1241.8	936.3	1733.8
54+50	673.2	467.5	936.3	650.2
54+88	0.0	0.0	0.0	0.0
Subtotals		15058.1	Subtotals	21530.8

IL 64 - EAST - 24" WORKING PLATFORM UNDERCUT - STA. 57+50 TO 60+50 - 30' TO 50' RT

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E.S. W/ FABRIC (SF)	P.G.E.S. W/ FABRIC Volume (CY)	EMBANKMENT		FABRIC	
					(SF)	(CY)	WIDTH	AREA
57+50	60.7	133.6	32.7	63.1	28.0	70.5	13	85.3
58+00	83.7	133.5	35.5	60.3	48.2	73.2	17.7	89.7
58+50	60.6	116.6	29.7	55.2	30.9	61.3	14.6	81.9
59+00	65.4	160.2	30.0	59.6	35.4	100.6	14.9	89.2
59+50	107.7	208.5	34.4	67.0	73.3	141.5	17.2	100.6
60+00	117.5	181.9	38.0	61.6	79.5	120.4	19	92.5
60+50	79.0	28.5	28.5	50.5	50.5	14.3	14.3	539.2
Subtotals		934.3	Subtotals	366.8		567.5		539.2

IL 64 - EAST

Station	Earth Exc Area (SF)	Embankment Area (SF)	Earth Exc Volume (CY)	Embankment Volume (CY)	Topsoil Removal Area (SF)	Topsoil Volume (CY)	Benching Excavation (SF)	Benching Excavation Volume (CY)
47+27	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0
47+50	20.1	0.0	21.5	20.0	0.0	21.5	0.0	0.0
48+00	3.1	21.6	2.9	64.3	23.2	51.8	0.0	0.0
48+50	0.0	47.8	3.1	159.3	32.7	79.3	0.0	0.0
49+00	3.4	124.2	4.0	248.6	52.9	121.8	0.0	0.0
49+50	0.9	144.3	4.0	177.7	78.6	152.9	0.0	0.0
50+00	0.0	47.6	0.0	82.9	86.5	120.7	0.0	0.0
50+50	0.0	41.9	3.8	97.6	43.9	124.0	0.0	0.0
51+00	4.1	63.5	6.3	121.0	90.0	164.8	0.0	0.0
51+50	2.8	67.2	3.3	126.2	88.0	165.9	0.0	0.0
52+00	0.8	69.1	6.2	132.5	91.2	178.5	0.0	0.0
52+50	5.9	74.0	5.5	127.3	101.6	184.9	0.0	0.0
53+00	0.0	63.5	0.0	110.6	98.1	172.8	0.0	0.0
53+50	0.0	55.9	0.0	176.9	88.5	129.3	0.0	0.0
54+00	0.0	135.2	0.0	146.7	51.1	116.3	0.0	0.0
54+50	0.0	23.2	0.0	357.8	74.5	145.9	0.0	0.0
55+00	0.0	363.2	0.0	568.2	83.1	130.6	0.0	0.0
55+50	0.0	250.5	0.0	451.7	57.9	112.0	0.0	0.0
56+00	0.0	237.3	0.0	439.2	63.1	130.1	0.0	0.0
56+50	0.0	237.0	0.0	443.8	77.4	144.3	0.0	0.0
57+00	0.0	242.3	0.0	415.6	78.4	145.8	0.0	0.0
57+50	0.0	206.5	0.0	388.1	79.1	152.7	0.0	2.8
58+00	0.0	212.7	0.0	378.6	85.8	154.4	3.0	2.8
58+50	0.0	196.2	1.5	314.1	81.0	155.2	0.0	0.0
59+00	1.6	143.0	16.9	249.2	86.6	144.4	0.0	0.0
59+50	16.6	126.1	36.7	242.7	69.3	136.5	0.0	0.0
60+00	23.0	136.0	36.7	223.3	78.1	129.0	0.0	0.0
60+50	16.6	105.2	26.0	164.5	61.2	109.4	0.0	0.0
61+00	11.5	72.5	25.2	131.3	57.0	96.7	0.0	0.0
61+50	15.7	69.3	31.7	146.5	47.4	112.9	0.0	0.0
62+00	18.5	88.9	6.9	32.9	74.5	27.6	0.0	0.0
62+10	18.5	88.9	6.9	32.9	74.5	27.6	0.0	0.0
Subtotals			247.4	6738.9	Subtotals	3811.8	Subtotals	5.6

EARTHWORK SUMMARY STAGE I

EARTH EXCAVATION (CU YD)	2,053
BENCHING EXCAVATION (CU YD)	6
SUITABLE SEWER EXCAVATION (CU YD)	500
EMBANKMENT (CU YD)	7,451
FURNISHED EXCAVATION (CU YD)	7,096

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	15,992
POROUS GRANULAR EMBANKMENT (CU YD)	21,531
POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)	367
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	539

NOTE: FURNISHED EXCAVATION QUANTITY WAS DETERMINED USING A SHRINKAGE FACTOR OF 15% FOR SUITABLE EXCAVATION

THE PAY ITEM REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS INCLUDES TOPSOIL EXCAVATION AND UNSUITABLE EXCAVATION. TOPSOIL REMOVAL QUANTITY IS BASED UPON AN AVERAGE 18 INCH THICKNESS.