

EARTHWORK SCHEDULES - STAGE II

IL 47 - SOUTH

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)
102+52	23.2	12.9	41.2	22.9	27.7	49.2	0.0	0.0
103+00	23.2	12.9	42.8	37.1	27.7	88.1	0.0	0.0
103+50	23.0	27.2	39.6	42.8	67.5	97.1	0.0	0.0
104+00	19.8	19.0	29.8	35.5	37.4	64.4	0.0	0.0
104+50	12.4	19.3	18.6	45.9	32.2	63.4	0.0	0.0
105+00	7.7	30.3	9.3	75.6	36.3	72.4	0.0	0.0
105+50	2.3	51.3	2.1	216.6	41.9	103.9	0.0	3.2
106+00	0.0	182.6	0.0	288.1	70.3	138.9	3.5	40.1
106+50	0.0	128.5	0.0	359.3	79.7	177.2	39.8	65.6
107+00	0.0	259.5	0.0	506.2	111.7	220.5	31.0	56.0
107+50	0.0	287.2	0.0	604.5	126.4	249.8	29.5	63.1
108+00	0.0	365.7	0.0	682.2	143.4	278.4	38.6	76.3
108+50	0.0	349.5	35.9	598.5	157.3	304.3	43.8	78.9
109+00	38.8	296.9	77.1	791.2	171.3	328.3	41.4	73.6
109+50	44.5	557.6	82.8	856.9	183.3	353.7	38.1	66.1
110+00	44.9	367.8	83.9	631.8	198.7	365.2	33.3	59.0
110+50	45.7	314.5	89.2	573.6	195.7	364.8	30.4	61.2
111+00	50.6	305.0	46.9	759.0	198.3	411.2	35.7	33.1
111+50	0.0	514.7	0.0	827.7	245.8	405.0	0.0	0.0
112+00	0.0	379.2	0.0	540.4	191.6	231.0	0.0	0.0
112+50	0.0	204.4	0.0	287.7	57.9	81.5	0.0	0.0
112+88	0.0	204.4	0.0	287.7	57.9	81.5	0.0	0.0
Subtotals			599.2	8763.3	Subtotals	4448.5	Subtotals	676.1

IL 47 - SOUTH - 6" SUBGRADE UNDERCUT - STA. 105+25 TO 106+75 - PAVEMENT WIDTH

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E.S. (SF)	P.G.E.S. Volume (CY)
105+25	15.6	14.4	17.9	16.6
105+50	15.6	30.3	17.9	48.7
106+00	17.1	32.0	34.7	69.5
106+50	17.5	16.2	40.4	37.4
106+75	17.5	16.2	40.4	37.4
Subtotals		93.0	Subtotals	172.2

IL 47 - SOUTH - 12" P.G.E. BLANKET FOR WICK DRAINS STA. 109+00 TO 111+25 - 10' RT & LT OF AGG. SUBGRADE

Station	P.G.E. (SF)	P.G.E. Volume (CY)
109+00	99.1	197.1
109+50	113.8	210.8
110+00	113.9	245.6
110+50	151.4	276.1
111+00	146.8	135.9
111+25	146.8	135.9
Subtotals		1065.6

IL 47 - SOUTH - 12" WORKING PLATFORM UNDERCUT - STA. 108+50 TO 109+25 - RT

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E.S. W/ FABRIC (SF)	P.G.E.S. W/ FABRIC Volume (CY)	FABRIC	
					WIDTH	AREA
108+50	28.8	62.9	139.4	329.2	28.3	185.3
109+00	39.1	38.2	216.2	200.2	38.4	106.7
109+25	39.1	38.2	216.2	200.2	38.4	106.7
Subtotals		99.1	Subtotals	529.4		292

IL 47 - SOUTH - 12" WORKING PLATFORM UNDERCUT - STA. 109+75 TO 111+00 - RT & LT

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E.S. W/ FABRIC (SF)	P.G.E.S. W/ FABRIC Volume (CY)	FABRIC	
					WIDTH	AREA
109+75	44.5	41.2	110.8	102.6	43.1	119.7
110+00	44.5	80.8	110.8	201.7	43.1	236.9
110+50	42.8	83.3	107.0	205.1	42.2	240.6
111+00	47.2	114.5	114.5	114.5	44.4	197.2
Subtotals		205.3	Subtotals	509.3		597.2

IL 64 - WEST

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)
39+86	0.0	8.5	0.0	4.4	11.4	5.9	0.0	0.0
40+00	0.0	8.5	0.0	22.6	11.4	27.5	0.0	0.0
40+50	0.0	15.9	0.0	36.7	18.3	38.4	0.0	0.0
41+00	0.0	23.7	0.0	37.9	23.2	43.4	0.0	0.0
41+50	0.0	17.2	0.0	31.0	23.7	40.6	0.0	0.0
42+00	0.0	16.3	0.0	29.0	20.1	18.6	0.0	0.0
42+50	0.0	15.0	0.0	36.2	0.0	28.3	0.0	0.0
43+00	0.0	24.1	4.7	47.2	28.4	51.9	0.0	0.0
43+50	5.1	26.9	13.8	59.1	27.7	57.4	0.0	0.0
44+00	9.8	36.9	27.5	44.3	34.3	31.8	0.0	0.0
44+50	19.9	10.9	37.0	45.1	0.0	35.6	0.0	0.0
45+00	20.1	37.8	41.0	86.5	38.4	82.8	0.0	0.0
45+50	24.2	55.6	51.6	107.1	51.0	72.2	0.0	0.0
46+00	31.5	60.1	46.2	71.0	27.0	25.0	0.0	0.0
46+50	18.4	16.6	23.5	42.4	0.0	0.0	0.0	0.0
47+00	7.0	29.2	51.2	27.0	0.0	0.0	0.0	0.0
47+50	48.3	0.0	16.1	0.0	0.0	0.0	0.0	0.0
47+68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotals			312.7	727.5	Subtotals	557.4	Subtotals	0.0

IL 64 - WEST - 12" SUBGRADE UNDERCUT - STA. 39+86 TO 43+14 - PAVEMENT WIDENING RT

Station	Unsuitable Removal Area (SF)	Unsuitable Volume (CY)	P.G.E.S. (SF)	P.G.E.S. Volume (CY)
39+86	3.5	1.8	3.7	1.9
40+00	3.5	6.5	3.7	6.9
40+50	3.5	6.5	3.7	6.7
41+00	3.5	11.9	3.5	18.5
41+50	9.4	22.0	16.5	36.5
42+00	14.4	30.1	22.9	44.4
42+50	18.1	29.4	25.0	53.7
43+00	13.7	7.1	33.0	17.1
43+14	13.7	7.1	33.0	17.1
Subtotals		115.4	Subtotals	185.6

EARTHWORK SUMMARY STAGE II

EARTH EXCAVATION (CU YD)	912
BENCHING EXCAVATION (CU YD)	676
SUITABLE SEWER EXCAVATION (CU YD)	40
EMBANKMENT (CU YD)	9,491
FURNISHED EXCAVATION (CU YD)	8,716

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	718
POROUS GRANULAR EMBANKMENT (CU YD)	1,066
POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)	1,397
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	1,428

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.