

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
111+35.53	1	1	34	0	0	-34
111+50.00	1	1	13	0	0	-12
112+00.00	4	3	43	0	0	-40
112+32.91	1	0	28	0	0	-28
112+50.00	0	0	14	0	0	-14
112+52.59	0	0	2	0	0	-2
113+00.00	0	0	38	0	0	-38
113+22.37	0	0	18	0	0	-17
113+50.00	0	0	20	0	0	-20
113+74.29	0	0	18	0	0	-18
114+00.00	0	0	17	0	0	-17
114+22.95	0	0	12	0	0	-11
114+50.00	2	1	11	0	0	-10
114+68.86	2	1	7	0	0	-6
115+00.00	2	2	15	0	0	-14
115+22.14	1	1	14	0	0	-13
115+50.00	1	1	19	0	0	-19
116+00.00	2	1	34	0	0	-32
116+50.00	1	1	23	0	0	-23
116+71.35	0	0	7	0	0	-7
<b>SUBTOTAL</b>	<b>1332</b>	<b>1132</b>	<b>908</b>	<b>667</b>	<b>185</b>	<b>224</b>
<b>TOTAL</b>	<b>2584</b>	<b>2196</b>	<b>1814</b>	<b>1258</b>	<b>301</b>	<b>382</b>

A SHRINKAGE FACTOR OF 15% WAS USED TO DETERMINE THE FINAL VOLUME OF EXCAVATED MATERIAL TO BE USED FOR EMBANKMENT.

**TREE REMOVAL (6 TO 15 UNITS DIAMETER), UNIT**

STA	OFFSET	SIDE	DIAM (FT)	QTY (UNITS)
103+18.94	24.56	LT	1.0	12
108+73.90	24.2016	LT	0.5	6
110+35.99	24.59	LT	0.5	6
111+58.67	27.45	RT	0.7	9
115+72.84	36.63	RT	0.7	9

**TOTAL = 42.00 UNITS**

**TREE REMOVAL (OVER 15 UNITS DIAMETER), UNIT**

STA	OFFSET	SIDE	DIAM (FT)	QTY (UNITS)
102+74.80	25.42	RT	1.3	16

**TOTAL = 16.00 UNITS**

**70400100  
TEMPORARY CONCRETE BARRIER, FOOT**

STAGE	FROM STA	TO STA	QTY (FOOT)
STAGE 1	102+03.2	104+03.2	200.0
STAGE 1	104+88.3	108+88.3	400.0

**TOTAL = 600.0 FOOT**

**TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED, EACH**

STA	OFFSET	SIDE	QTY (EACH)
101+45.23	19.77	RT	1
101+75.23	20.98	LT	1
102+26.71	25.10	RT	1
103+11.30	25.10	RT	1
103+13.34	25.08	LT	1
104+00.97	25.08	LT	1
105+30.43	25.01	RT	1
106+00.79	25.01	RT	1
106+05.98	25.08	LT	1
107+11.59	25.08	LT	1
108+79.28	25.10	RT	1
110+02.12	25.08	LT	1
110+48.07	25.10	RT	1
111+15.63	21.52	LT	1
111+87.17	24.40	RT	1
112+13.69	19.36	LT	1
113+16.32	22.59	LT	1

**TOTAL = 17.00 EACH**

**TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED, EACH**

STA	OFFSET	SIDE	QTY (EACH)
101+41.79	21.14	LT	1
101+75.23	19.77	RT	1
102+04.95	21.04	LT	1
102+26.71	25.10	RT	1
103+46.30	25.10	RT	1
103+71.02	25.08	LT	1
105+44.59	25.08	LT	1
105+65.44	25.01	RT	1
106+76.59	25.08	LT	1
108+39.28	25.10	RT	1
108+75.48	25.08	LT	1
110+13.07	25.10	RT	1
110+37.12	25.08	LT	1
111+18.38	22.96	RT	1
111+83.74	19.35	LT	1
112+86.36	21.98	LT	1

**TOTAL = 16.00 EACH**

