

100.01

SCHEDULE OF OPERATIONS
FIXED PRICE 10,000

LS

FIXED PRICE 1 LS

TOTAL: 1 LS

SAY	1	LS
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102.1

TREE TRIMMING

FT

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u>
	<u>START</u>	<u>END</u>		<u>LENGTH</u>
BELMONT ST	112+84.09	114+43.91	Lt.	159.7
CONTINGENCY				140.0
TOTAL:				299.7 FT

SAY	300	FT
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102.3

SHRUB TRIMMING

FT

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>STA.</u>	<u>SIDE</u>	<u>QUANT.</u>
TRAPELO ROAD	91+06.00	Rt	91+37.00	Rt	32
CONTINGENCY					50
				TOTAL:	82 FT
				SAY	85 FT

102.4

HAND EVACUATION ROOT ZONE

SY

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>AREA</u>
MILL STREET	00+52.00	Lt	113.0
MILL STREET	00+59.00	Rt	113.0
MILL STREET	00+72.00	Rt	113.0
MILL STREET	00+87.00	Lt	572.0
MILL STREET	01+40.00	Lt	57.0
MILL STREET	01+59.00	Lt	57.0
MILL STREET	01+95.00	Lt	57.0
TRAPELO ROAD	19+75.00	Lt	113.0
TRAPELO ROAD	19+91.00	Lt	113.0
TRAPELO ROAD	72+26.00	Rt	113.0
TRAPELO ROAD	72+56.00	Rt	139.0
TRAPELO ROAD	74+03.00	Rt	159.0
TRAPELO ROAD	74+68.00	Lt	114.0
TRAPELO ROAD	75+64.00	Lt	110.0
TRAPELO ROAD	76+13.00	Lt	108.0
TRAPELO ROAD	76+39.00	Rt	113.0
TRAPELO ROAD	76+81.00	Lt	109.0
TRAPELO ROAD	77+25.00	Rt	113.0
TRAPELO ROAD	79+16.00	Lt	120.0
TRAPELO ROAD	80+43.00	Lt	116.0
TRAPELO ROAD	80+84.00	Rt	111.0
TRAPELO ROAD	81+03.00	Rt	114.0
TRAPELO ROAD	81+16.00	Lt	114.0
TRAPELO ROAD	81+41.00	Rt	113.0
TRAPELO ROAD	82+67.00	Lt	120.0
TRAPELO ROAD	83+41.00	Lt	113.0
TRAPELO ROAD	85+60.00	Rt	135.0
COMMON STREET N.	01+43.00	Rt	91.0
COMMON STREET S.	01+53.00	Rt	127.0
TRAPELO ROAD	89+65.00	Rt	95.0
TRAPELO ROAD	89+83.00	Rt	95.0
TRAPELO ROAD	90+24.00	Lt	137.0
TRAPELO ROAD	90+24.00	Rt	95.0
TRAPELO ROAD	90+70.00	Lt	137.0
TRAPELO ROAD	91+01.00	Lt	137.0
TRAPELO ROAD	94+92.00	Lt	175.0
TRAPELO ROAD	95+28.00	Rt	137.0
TRAPELO ROAD	95+83.00	Rt	126.0
TRAPELO ROAD	96+04.00	Lt	126.0
TRAPELO ROAD	96+36.00	Rt	127.0
TRAPELO ROAD	114+03.00	Lt	201.0
TRAPELO ROAD	114+90.00	Rt	395.0
VAN NESS ROAD	-	Rt	127.0
TRAPELO ROAD	116+05.00	Rt	210.0
TRAPELO ROAD	116+91.00	Rt	210.0
WINDSOR AVE	-	Rt	58.0
TRAPELO ROAD	130+00.00	Rt	561.0
TRAPELO ROAD	132+65.00	Lt	300.0
TRAPELO ROAD	142+97.00	Lt	201.0
TRAPELO ROAD	143+48.00	Rt	124.0

SUBTOTAL 7434.0 SF
 27.0 SF/CY
 275.3 CY

TOTAL: 275.3 CY

SAY	280	CY
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102.5

ROADSIDE TREE PROTECTION

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>(IN)</u> <u>SIZE</u>	<u>QUANT.</u>
MILL STREET	00+52.00	Lt	18.0	1.0
MILL STREET	00+59.00	Rt	12.0	1.0
MILL STREET	00+72.00	Rt	12.0	1.0
MILL STREET	01+00.00	Lt	36.0	1.0
MILL STREET	01+40.00	Lt	18.0	1.0
MILL STREET	01+59.00	Lt	16.0	1.0
MILL STREET	01+95.00	Lt	15.0	1.0
TRAPELO ROAD	19+75.00	Lt	12.0	1.0
TRAPELO ROAD	19+91.00	Lt	12.0	1.0
TRAPELO ROAD	20+18.00	Lt	12.0	1.0
TRAPELO ROAD	20+25.00	Lt	10.0	1.0
TRAPELO ROAD	20+91.00	Lt	24.0	1.0
TRAPELO ROAD	21+67.00	Lt	20.0	1.0
TRAPELO ROAD	21+81.00	Lt	20.0	1.0
TRAPELO ROAD	33+55.00	Lt	14.0	1.0
TRAPELO ROAD	33+77.00	Lt	10.0	1.0
TRAPELO ROAD	34+03.00	Lt	12.0	1.0
TRAPELO ROAD	35+08.00	Lt	10.0	1.0
TRAPELO ROAD	35+35.00	Rt	10.0	1.0
LEXINGTON STREET	02+72.00	Lt	8.0	1.0
LEXINGTON STREET	02+91.00	Lt	6.0	1.0
LEXINGTON STREET	03+05.00	Lt	4.0	1.0
CHURCH STREET	00+58.00	Lt	8.0	1.0
CHURCH STREET	01+25.00	Lt	8.0	1.0
CHURCH STREET	02+88.00	Lt	8.0	1.0
SYCAMORE STREET	-	Rt	8.0	1.0
TRAPELO ROAD	48+97.00	Lt	20.0	1.0
TRAPELO ROAD	66+78.00	Rt	3.0	1.0
TRAPELO ROAD	67+13.00	Rt	3.0	1.0
TRAPELO ROAD	67+49.00	Rt	3.0	1.0
TRAPELO ROAD	67+82.00	Rt	3.0	1.0
TRAPELO ROAD	69+86.00	Lt	20.0	1.0
TRAPELO ROAD	69+86.00	Lt	16.0	1.0
TRAPELO ROAD	72+26.00	Rt	20.0	1.0
TRAPELO ROAD	72+56.00	Rt	12.0	1.0
TRAPELO ROAD	73+10.00	Lt	10.0	1.0
TRAPELO ROAD	74+03.00	Rt	12.0	1.0
TRAPELO ROAD	74+68.00	Lt	12.0	1.0
TRAPELO ROAD	75+64.00	Lt	10.0	1.0
TRAPELO ROAD	76+13.00	Lt	16.0	1.0
TRAPELO ROAD	76+39.00	Rt	10.0	1.0
TRAPELO ROAD	76+81.00	Lt	16.0	1.0
TRAPELO ROAD	77+25.00	Rt	14.0	1.0
TRAPELO ROAD	77+80.00	Lt	24.0	1.0
TRAPELO ROAD	78+06.00	Lt	18.0	1.0
TRAPELO ROAD	78+47.00	Rt	6.0	1.0
TRAPELO ROAD	79+16.00	Lt	12.0	1.0
TRAPELO ROAD	80+43.00	Lt	13.0	1.0
TRAPELO ROAD	80+84.00	Rt	12.0	1.0
TRAPELO ROAD	81+03.00	Rt	6.0	1.0
TRAPELO ROAD	81+16.00	Lt	10.0	1.0
TRAPELO ROAD	81+41.00	Rt	8.0	1.0
TRAPELO ROAD	82+67.00	Lt	12.0	1.0
TRAPELO ROAD	83+41.00	Lt	12.0	1.0
TRAPELO ROAD	85+60.00	Rt	8.0	1.0
COMMON STREET N.	01+43.00	Rt	4.0	1.0
COMMON STREET N.	00+65.00	Lt	12.0	1.0

COMMON STREET N.	00+65.00	Lt	10.0	1.0
COMMON STREET S.	01+53.00	Rt	8.0	1.0
TRAPELO ROAD	87+34.00	Lt	3.0	1.0
TRAPELO ROAD	89+65.00	Rt	6.0	1.0
TRAPELO ROAD	89+83.00	Rt	8.0	1.0
TRAPELO ROAD	90+24.00	Lt	20.0	1.0
TRAPELO ROAD	90+24.00	Rt	8.0	1.0
TRAPELO ROAD	90+70.00	Lt	16.0	1.0
TRAPELO ROAD	91+01.00	Lt	12.0	1.0
TRAPELO ROAD	94+92.00	Lt	26.0	1.0
TRAPELO ROAD	95+28.00	Rt	24.0	1.0
TRAPELO ROAD	95+58.00	Rt	3.0	1.0
TRAPELO ROAD	95+83.00	Rt	20.0	1.0
TRAPELO ROAD	96+04.00	Lt	14.0	1.0
TRAPELO ROAD	96+36.00	Rt	16.0	1.0
OAK AVENUE	-	Lt	2.0	1.0
TRAPELO ROAD	97+62.00	Lt	14.0	1.0
TRAPELO ROAD	102+54.00	Lt	16.0	1.0
PAYSON ROAD	-	Rt	12.0	1.0
TRAPELO ROAD	114+03.00	Lt	16.0	1.0
TRAPELO ROAD	114+90.00	Rt	30.0	1.0
VAN NESS ROAD	-	Rt	14.0	1.0
VAN NESS ROAD	-	Lt	12.0	1.0
COMMONWEALTH ROAD	-	Lt	12.0	1.0
TRAPELO ROAD	116+05.00	Rt	14.0	1.0
TRAPELO ROAD	116+91.00	Rt	20.0	1.0
STULTS ROAD	-	Lt	18.0	1.0
STULTS ROAD	-	Rt	20.0	1.0
TRAPELO ROAD	118+98.00	Rt	2.0	1.0
TRAPELO ROAD	119+33.00	Rt	18.0	1.0
TRAPELO ROAD	119+98.00	Lt	4.0	1.0
SCHOOL STREET	00+81.00	Lt	12.0	1.0
SCHOOL STREET	01+07.00	Lt	4.0	1.0
SCHOOL STREET	01+36.00	Lt	36.0	1.0
WINDSOR AVE	-	Rt	22.0	1.0
WESTLUND ROAD	-	Lt	20.0	1.0
TRAPELO ROAD	130+00.00	Rt	34.0	1.0
TRAPELO ROAD	132+39.00	Lt	12.0	1.0
TRAPELO ROAD	132+65.00	Lt	20.0	1.0
TRAPELO ROAD	133+36.00	Rt	32.0	1.0
TEMPLETON PARKWAY	-	Rt	14.0	1.0
TRAPELO ROAD	137+15.00	Lt	24.0	1.0
TRAPELO ROAD	142+97.00	Lt	18.0	1.0
TRAPELO ROAD	143+48.00	Rt	30.0	1.0
TRAPELO ROAD	147+04.00	Lt	3	1.0
TRAPELO ROAD	147+39.00	Rt	24	1.0

TOTAL: 103.0 EA

SAY	105	EA
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103.

TREE REMOVED - DIAMETER UNDER 24 INCHES

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>TYPE</u>	<u>(IN) SIZE</u>	<u>QUANT.</u>
MILL ST	01+22.59	Rt.	VARIES	12	1
MILL ST	01+06.27	Rt.		15	1
MILL ST	01+00.00	Rt.		15	1
MILL ST	00+89.65	Rt.		10	1
MILL ST	00+82.07	Rt.		6	1
MILL ST	00+64.47	Rt.		8	1
MILL ST	00+50.58	Rt.		8	1
TRAPELO RD	18+10.67	Lt.		8	1
TRAPELO RD	19+25.59	Lt.		14	1
TRAPELO RD	19+34.06	Lt.		12	1
TRAPELO RD	19+42.41	Lt.		12	1
TRAPELO RD	19+49.80	Lt.		8	1
TRAPELO RD	19+78.72	Lt.		12	1
TRAPELO RD	21+30.37	Lt.		16	1
TRAPELO RD	21+47.15	Lt.		6	1
TRAPELO RD	21+55.96	Lt.		6	1
TRAPELO RD	21+60.83	Lt.		6	1
TRAPELO RD	21+79.82	Lt.		18	1
TRAPELO RD	21+97.44	Lt.		14	1
TRAPELO RD	21+98.96	Lt.		6	1
TRAPELO RD	21+99.24	Lt.		6	1
TRAPELO RD	22+02.46	Lt.		6	1
TRAPELO RD	22+03.26	Lt.		6	1
TRAPELO RD	22+08.07	Lt.		12	1
TRAPELO RD	22+18.62	Lt.		10	1
TRAPELO RD	22+22.51	Lt.		10	1
TRAPELO RD	22+25.08	Lt.		10	1
TRAPELO RD	22+37.71	Lt.		12	1
TRAPELO RD	22+45.24	Lt.		8	1
TRAPELO RD	22+49.29	Lt.		CLUMP	MULTIPLE
TRAPELO RD	22+56.98	Lt.		22	1
TRAPELO RD	22+91.32	Lt.		16	1
TRAPELO RD	23+17.61	Lt.		6	1
TRAPELO RD	23+27.21	Lt.		14	1
TRAPELO RD	23+30.22	Lt.		12	1
TRAPELO RD	23+51.64	Lt.		14	1
LEXINGTON ST	0+61.30	Rt.		18	1
TRAPELO RD	35+26.04	Lt.		UNKNOWN	1
TRAPELO RD	36+44.34	Rt.		12	1
TRAPELO RD	42+79.20	Lt.		2	1
TRAPELO RD	52+22.88	Rt.		6	1
TRAPELO RD	52+64.60	Rt.		6	1
TRAPELO RD	62+48.28	Rt.		10	1
TRAPELO RD	70+11.04	Rt.		10	1
HARRIETT AVE	00+75.39	MIDDLE		3	1
TRAPELO RD	84+23.07	Lt.		6	1
TRAPELO RD	84+60.76	Rt.		8	1
TRAPELO RD	85+24.84	Rt.		8	1
COMMON ST	00+82.97	Rt.		8	1
COMMON ST	01+12.94	Rt.		4	1
TRAPELO RD	89+33.02	Rt.		14	1
TRAPELO RD	91+30.31	Rt.		14	1
TRAPELO RD	97+26.48	Lt.		2	1
TRAPELO RD	97+26.49	Rt.		20	1
TRAPELO RD	99+48.77	Rt.		4	1
TRAPELO RD	99+72+57	Rt.		4	1
TRAPELO RD	99+98.96	Rt.		6	1
BELMONT ST	101+01.46	Rt.		8	1
BELMONT ST	101+23.70	Rt.		6	1
BELMONT ST	101+48.80	Rt.		8	1
BELMONT ST	101+87.90	Rt.		6	1
BELMONT ST	101+96.47	Lt.		12	1
BELMONT ST	102+15.32	Rt.		4	1
BELMONT ST	102+44.10	Rt.		4	1
BELMONT ST	102+96.22	Rt.		4	1
BELMONT ST	104+15.31	Lt.		10	1
BELMONT ST	115+79.02	Lt.		16	1
BELMONT ST	116+56.63	Lt.		16	1
BELMONT ST	117+78.28	Lt.		4	1

BELMONT ST	118+19.49	Lt.	19	1
BELMONT ST	118+73.49	Lt.	10	1
BELMONT ST	119+53.79	Rt.	2	1
SCHOOL ST	00+78.74	Rt.	18	1
SCHOOL ST	01+52.15	Rt.	12	1
SCHOOL ST	01+68+41	Rt.	16	1
ARLINGTON ST	01+54.28	Rt.	UNKNOWN	1
ARLINGTON ST	01+66.62	Rt.	2	1
ARLINGTON ST	01+83.41	Rt.	UNKNOWN	1
ARLINGTON ST	01+98.14	Rt.	UNKNOWN	1
ARLINGTON ST	02+52+16	Rt.	UNKNOWN	1
ARLINGTON ST	01+94+.47	Rt.	UNKNOWN	1
BELMONT ST	145+19.24	Lt.	18	1

TOTAL: 50 EA

SAY	50	EA
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104.

**TREE REMOVED - DIAMETER 24 INCHES AND
OVER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>TYPE</u>	<u>(IN) SIZE</u>	<u>QUANT.</u>
TRAPELO RD	23+28.27	Rt.	VARIES	28	1
TRAPELO RD	27+87.29	Rt.		42	1
TRAPELO RD	94+88.72	Rt.		24	1
TRAPELO RD	99+76.75	Lt.		24	1

TOTAL: 4 EA

SAY	4	EA
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105.

STUMP REMOVED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QUANT</u>
MILL ST	01+95.15	Rt.	1
MILL ST	01+37.05	Rt.	1
MILL ST	01+27.06	Rt.	1
MILL ST	01+20.50	Rt.	1
MILL ST	01+02.65	Rt.	1
TRAPELO RD	20+25.00	Lt.	1
BELMONT RD	119+84.70	Rt.	1

TOTAL 7 EA

SAY	7	EA
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120.

EARTH EXCAVATION

CY

A. EARTH EXCAVATION FOR NEW ROADWAY PAVEMENT AREAS

STATION	FOR FULL DEPTH PAVEMENT						FDP < 4'	SCORED CEM CONC PAVEMENT	
	AT EXIST. RDWY		AT		AT				
STREET	START	END	MAIN RD	SIDE ST	EXIST. SW AREAS	EXIST. GRASS AREAS			
TRAPELO RD	17+40.00	22+00.00	2636.63	1515.54	4914.46		415.38		
TRAPELO RD	22+00.00	27+50.00	714.24		1170.98		2676.26		
TRAPELO RD	27+50.00	33+50.00	609.66		1287.43				
TRAPELO RD	33+50.00	39+00.00		5571.07	332.28				
TRAPELO RD	39+00.00	44+00.00							
TRAPELO RD	44+00.00	50+00.00			1418.92				
TRAPELO RD	50+00.00	56+00.00							
TRAPELO RD	56+00.00	61+00.00		2333.58					
TRAPELO RD	61+00.00	67+00.00	337.12					1875.61	
TRAPELO RD	67+00.00	73+00.00		5009.46	463.88			253.67	
TRAPELO RD	73+00.00	79+00.00	333.54				855.1	300.74	
TRAPELO RD	79+00.00	85+00.00						645.09	
TRAPELO RD	85+00.00	91+00.00			216.02		510.81		
TRAPELO RD	91+00.00	96+00.00					538.51		
TRAPELO RD	96+00.00	102+00.00	450.87		2295.22				
BELMONT ST	102+00.00	108+00.00	676.92		497.26				
BELMONT ST	108+00.00	113+00.00	703.91		2204.32				
BELMONT ST	113+00.00	118+00.00	750.89		414.39				
BELMONT ST	118+00.00	123+00.00	641.01		419.39	1852.76	519.61		
BELMONT ST	123+00.00	129+00.00		1973.6				188.89	
BELMONT ST	129+00.00	134+00.00	219.33		207.54			190.89	
BELMONT ST	134+00.00	140+00.00		9346.04	1462.43		913.79	297.09	
BELMONT ST	140+00.00	145+00.00						219.76	
BELMONT ST	145+00.00	147+14.55							
SUB TOTAL			8074.12	25749.29	17304.52	7762.61	1416.24	3075.11	SF
DEPTH (FT)	0.98		See Note 1	1.17	See Note 2	1.75	See Note 3	2.08	See Note 4
								0.94	See Note 5
									0.31
									See Note 6
TOTAL VOLUME			7905.91	30040.84	30282.91	16172.10	1327.73	960.97	CF
CONVERSION FACTOR	27.00			CF/CY					
SUB TOTAL			292.81	1112.62	1121.59	598.97	49.18	35.59	CY
TOTAL			3210.76	CY					

B. EARTH EXCAVATION FOR PUBLIC SIDEWALK AND CEM. CONC. ISLANDS AREAS

AREA (FROM SIDEWALK AREAS IN BACK OF CALC BOOK)	227848.0	SF
DEPTH OF EARTH REMOVAL BENEATH CONC	0.67	FT
TOTAL	151898.7	CF
TOTAL	5625.9	CY

C. EARTH EXCAVATION FOR NEW PRIVATE DRIVES AND WALKS

AREA (FROM SIDEWALK AREAS IN BACK OF CALC BOOK)	19447.0	SF
DEPTH OF EARTH REMOVAL BENEATH CONC	0.67	FT
TOTAL	12964.7	CF
TOTAL	480.2	CY

D. EARTH EXCAVATION FROM CROSS SECTIONS (WIDENNG AT TRAPELO AT MILL ST.)

AREA (FROM "EARTHWORK" IN BACK OF CALC BOOK)	776.1	CY
TOTAL	776.1	CY

E. EARTH EXCAVATION FOR TREE PLANTERS IN CENTER ISLANDS

STREET	START	END	AREA (SF)	DEPTH (FT)	VOLUME (CF)
TRAPELO RD	61+61.30	62+24.50	492	2.0	984.0
TRAPELO RD	62+91.00	63+57.30	435	2.0	870.0
TRAPELO RD	67+46.50	68+27.80	638	2.0	1276.0
TRAPELO RD	83+29.50	83+69.00	301	2.0	602.0
TRAPELO RD	94+80.00	95+32.30	408	2.0	816.0
BELMONT RD	105+48.60	112+75.60	6878	2.0	13756.0
					18304
TOTAL					677.9
					CY

F. EARTH EXCAVATION FOR PLANTINGS IN CENTER ISLANDS

STREET	START	END	AREA (SF)	DEPTH (FT)	VOLUME (CF)
TRAPELO RD	65+47.70	65+75.70	211	1.5	316.5
TRAPELO RD	72+92.80	73+23.30	205	1.5	307.5
TRAPELO RD	89+93.40	90+21.40	210	1.5	315
TRAPELO RD	92+01.00	92+30.40	221	1.5	331.5
					1270.5
					CF
				TOTAL	47.1
					CY

G. EARTH EXCAVATION FOR SCORED CONCRETE IN CENTER ISLANDS

STREET	START	END	AREA (SF)	DEPTH (FT)	VOLUME (CF)
TRAPELO RD	59+88.80	60+58.20	395	0.8	316
TRAPELO RD	61+04.50	61+61.30	454	0.8	363.2
TRAPELO RD	62+24.50	62+91.00	546	0.8	436.8
TRAPELO RD	64+08.40	65+16.30	845	0.8	676
TRAPELO RD	69+48.80	69+86.00	284	0.8	227.2
TRAPELO RD	74+34.00	75+01.40	319	0.8	255.2
TRAPELO RD	82+32.50	83+29.50	634	0.8	507.2
TRAPELO RD	90+21.40	92+01.00	1450	0.8	1160
TRAPELO RD	92+30.40	92+53.40	184	0.8	147.2
TRAPELO RD	93+38.00	94+80.00	1133	0.8	906.4
TRAPELO RD	95+32.30	96+40.90	869	0.8	695.2
BELMONT RD	104+13.50	104+53.00	234	0.8	187.2
BELMONT RD	113+60.00	113+88.00	262	0.8	209.6
BELMONT RD	114+00.00	114+88.50	541	0.8	432.8
					6520
					CF
				TOTAL	241.5
					CY

NOTE 1:
 PROPOSED PAVEMENT = 3.5" +4.5" + 4" + 8" 20
 PROPOSED SURFACE ABOVE EXIST BY 1.25" -1.25
 PAVEMENT REMOVED UNDER ITEM 127.3 -7
 11.75

NOTE 2:
 PROPOSED PAVEMENT = 3.5" +4.5" + 4" + 8" 20
 PROPOSED SURFACE ABOVE EXIST BY 1" -1
 ASSUME 5" OF ALL PAVEMENT ON ALL SIDE STREETS -5
 14

NOTE 3:
 PROPOSED PAVEMENT = 3.5" +4.5" + 4" + 8" 20
 ASSUME 5" REVEAL 5
 AND 4" OF CONCRETE -4
 21

NOTE 4:
 PROPOSED PAVEMENT = 3.5" +4.5" + 4"+8" 20
 ASSUME 5" REVEAL 5
 25

NOTE 5:
 PROPOSED PAVEMENT = 3.5" +8" + 8" 19.5
 PROPOSED SURFACE ABOVE EXIST BY 1.25" -1.25
 PAVEMENT REMOVED UNDER ITEM 127.3 -7
 11.25

NOTE 6:
 PROPOSED PAVEMENT = 4" + 8" 12
 PROPOSED SURFACE ABOVE EXIST BY 1.25" -1.25
 PAVEMENT REMOVED UNDER ITEM 127.3 -7
 3.75

SUB TOTAL SUMMARY

A. EARTH EXCAVATION FOR NEW ROADWAY PAVEMENT AREAS	3210.8	CY
B. EARTH EXCAVATION FOR PUBLIC SIDEWALK AND CEM. CONC. ISLANDS AREAS	5625.9	CY
C. EARTH EXCAVATION FOR NEW PRIVATE DRIVES AND WALKS	480.2	CY
D. EARTH EXCAVATION FROM CROSS SECTIONS (WIDENNG AT TRAPELO AT MILL ST.)	776.1	CY
E. EARTH EXCAVATION FOR TREE PLANTERS IN CENTER ISLANDS	677.9	CY
F. EARTH EXCAVATION FOR PLANTINGS IN CENTER ISLANDS	47.1	CY
G. EARTH EXCAVATION FOR SCORED CONCRETE IN CENTER ISLANDS	241.5	CY

TOTAL 11059.3 CY

SAY	11,100	CY
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120.1

UNCLASSIFIED EXCAVATION

CY

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(CY)</u>
	<u>START</u>	<u>END</u>		<u>AREA</u>
CONTINGENCY				20.0

TOTAL: 20.0 CY

SAY	20	CY
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121.

CLASS A ROCK EXCAVATION

CY

FROM "EARTHWORKS" WORKSHEET

TOTAL VOLUME	20954.0	CF
MINUS RETAINING WALL (IF CALC. IN CROSS SECTIONS)	0.0	CF
SUBTOTAL	<u>20,954</u>	CF
10% CONTINGENCY	2095.4	CF
SUBTOTAL	<u>23,049</u>	CF
+ASSUME 0.5% BOULDERS	1,152	CF
SUBTOTAL	<u>21,897</u>	CF
CONVERSION FACTOR	27.00000	CF/CY
TOTAL	<u>811</u>	CY
SAY	820	CY

127.

CONCRETE EXCAVATION

CY

A. REMOVAL OF PUBLIC SIDEWALK & ISLANDS

STREET	STATION		(LF) LENGTH							MISC (SF)
	START	END	4'	5'	6'	7'	8'	9'		
TRAPELO RD	17+40.00	22+00.00	104.18		707.61			511.83		
TRAPELO RD	22+00.00	27+50.00		380.79	179.79			332.69		365.15
TRAPELO RD	27+50.00	33+50.00		308.84		481.88		190.556		275.06
TRAPELO RD	33+50.00	39+00.00			12.02			684.77	143.71	9311.9
TRAPELO RD	39+00.00	44+00.00		154.42				601.48		6449.8
TRAPELO RD	44+00.00	50+00.00						292.15		
TRAPELO RD	50+00.00	56+00.00						607.13		4384.56
TRAPELO RD	56+00.00	61+00.0	51.98		91.35			564.8		
TRAPELO RD	61+00.00	67+00.00						257.69		
TRAPELO RD	67+00.00	73+00.00	228.82	470.55				195.46		3913.92
TRAPELO RD	73+00.00	79+00.00		989.03						
TRAPELO RD	79+00.00	85+00.00	70.16	1112.6						
TRAPELO RD	85+00.00	91+00.00		69.99	176.15	854.75		712.53	107.8	8116.62
TRAPELO RD	91+00.00	96+00.00		260.98	169.88			693.83		
TRAPELO RD	96+00.00	102+00.00			147.24			938.98	163.53	
BELMONT ST	102+00.00	108+00.00						576.92	196.55	
BELMONT ST	108+00.00	113+00.00						523.42		
BELMONT ST	113+00.00	118+00.00		563.57	210.53					
BELMONT ST	118+00.00	123+00.00		85.52	650.25	82.24		485.78		
BELMONT ST	123+00.00	129+00.00	127.35		142.48	722.16		252.78		
BELMONT ST	129+00.00	134+00.00			241.72	238.51		152.26		
BELMONT ST	134+00.00	140+00.00		459.21		629.54				
BELMONT ST	140+00.00	145+00.00				212.24		306.3	338.7	
BELMONT ST	145+00.00	147+14.55			119.56	391.59				
SUB TOTAL			582.49	4855.50	2848.58	3612.91	8881.36	950.29	-	LF
AREA			2329.96	24277.5	17091.48	25290.37	71050.848	8552.61	32817.01	SF
TOTAL VOLUME (4" THICK)			582.49	6069.38	4272.87	6322.59	17762.71	2138.15	8204.25	CF
CONVERSION FACTOR			27.00	CF/CY						
SUB TOTAL			21.5737037	224.791667	158.254444	234.170093	657.878222	79.1908333	303.8612037	CY
SUBTOTAL			1679.72	CY						

B. REMOVAL OF PRIVATE CONCRETE WALK AND DRIVEWAY

STREET	STATION		AREA		
	START	END	DRIVEWAY	WALK	
TRAPELO RD	17+40.00	22+00.00	0.0	0.0	
TRAPELO RD	22+00.00	27+50.00	0.0	17.4	
TRAPELO RD	27+50.00	33+50.00	306.8	45.7	
TRAPELO RD	33+50.00	39+00.00	321.7	419.7	
TRAPELO RD	39+00.00	44+00.00	0.0	76.7	
TRAPELO RD	44+00.00	50+00.00	0.0	71.5	
TRAPELO RD	50+00.00	56+00.00	0.0	0.0	
TRAPELO RD	56+00.00	61+00.0	186.8	37.0	
TRAPELO RD	61+00.00	67+00.00	0.0	153.4	
TRAPELO RD	67+00.00	73+00.00	299.5	115.3	
TRAPELO RD	73+00.00	79+00.00	36.9	19.8	
TRAPELO RD	79+00.00	85+00.00	104.5	44.5	
TRAPELO RD	85+00.00	91+00.00	148.3	120.2	
TRAPELO RD	91+00.00	96+00.00	0.0	101.8	
TRAPELO RD	96+00.00	102+00.00	0.0	428.1	
BELMONT ST	102+00.00	108+00.00	0.0	31.2	
BELMONT ST	108+00.00	113+00.00	37.4	21.3	
BELMONT ST	113+00.00	118+00.00	70.3	80.3	
BELMONT ST	118+00.00	123+00.00	71.6	116.6	
BELMONT ST	123+00.00	129+00.00	0.0	244.8	
BELMONT ST	129+00.00	134+00.00	60.6	143.4	
BELMONT ST	134+00.00	140+00.00	691.5	232.4	
BELMONT ST	140+00.00	145+00.00	0.0	55.0	
BELMONT ST	145+00.00	147+14.55	0.0	19.1	
TOTAL			2335.9	2595.2	SF
4" THICK			770.85	856.43	CF
SUBTOTAL			60.27	CY	
TOTAL			1740.0	CY	
SAY			1,740	CY	

129.3

OLD PAVEMENT EXCAVATION

CY

A. ROADWAY NARROWING, WIDENING, ISLANDS, FULL DEPTH PAVEMENT REPLACEMENT

STREET	STATION		AREA (SF)			
	START	END	3" Thick Over Conc.	5" Thick Side St	7" Thick Main St	
TRAPELO RD	16+66.08	22+00.00	-	963.38	2417.7	
TRAPELO RD	22+00.00	27+50.00	-	-	111.2	
TRAPELO RD	27+50.00	33+50.00	-	-	-	
TRAPELO RD	33+50.00	39+00.00	-	6042.85	-	
TRAPELO RD	39+00.00	44+00.00	-	2885.24	993.63	
TRAPELO RD	44+00.00	50+00.00	-	1384.16	3613.21	
TRAPELO RD	50+00.00	55+50.00	-	-	4339.24	
TRAPELO RD	55+50.00	61+00.00	-	2242.78	3439.03	
TRAPELO RD	61+00.00	67+50.00	-	-	4101.95	
TRAPELO RD	67+50.00	73+00.00	-	7455.56	1789.54	
TRAPELO RD	73+00.00	79+00.00	-	287.99	2224.45	
TRAPELO RD	79+00.00	85+00.00	-	-	2805.19	
TRAPELO RD	85+00.00	91+00.00	1365.16	1790.17	1388.56	
TRAPELO RD	91+00.00	96+00.00	4061.46	-	179.69	
TRAPELO RD	96+00.00	102+00.00	-	-	-	
BELMONT ST	102+00.00	108+00.00	5774.29	-	233.57	
BELMONT ST	108+00.00	113+00.00	10084.65	-	-	
BELMONT ST	113+00.00	118+00.00	802.12	-	413.48	
BELMONT ST	118+00.00	123+00.00	-	4259.39	-	
BELMONT ST	123+00.00	129+00.00	-	3210	-	
BELMONT ST	129+00.00	134+00.00	-	-	923.69	
BELMONT ST	134+00.00	140+00.00	-	9348.19	584.36	
BELMONT ST	140+00.00	145+00.00	-	-	840.17	
BELMONT ST	145+00.00	147+14.55	-	-	508.03	
SUB TOTAL (SF)			22087.68	39869.71	30906.7	
THICKNESSES (FT)			0.25	0.42	0.58	
SUB TOTAL (CF)			5521.92	16613.71	18027.90	
			CONVERSION FACTOR		27.00	CF/CY
SUB TOTAL (CY)			204.52	615.32	667.70	
			SUB TOTAL		1487.54	CY

B. REMOVAL OF HMA PUBLIC SIDEWALKS

STREET	STATION		WIDTH					
	START	END	3 FT	4 FT	5 FT	6 FT	8 FT	10 FT
TRAPELO RD	16+66.08	22+00.00				145		
TRAPELO RD	22+00.00	27+50.00						
TRAPELO RD	27+50.00	33+50.00						
TRAPELO RD	33+50.00	39+00.00						114
TRAPELO RD	39+00.00	44+00.00					145	81
TRAPELO RD	44+00.00	50+00.00		125			695	
TRAPELO RD	50+00.00	55+50.00					286	
TRAPELO RD	55+50.00	61+00.00					473	
TRAPELO RD	61+00.00	67+50.00					762	
TRAPELO RD	67+50.00	73+00.00					379	
TRAPELO RD	73+00.00	79+00.00					62	
TRAPELO RD	79+00.00	85+00.00					111	
TRAPELO RD	85+00.00	91+00.00					200	
TRAPELO RD	91+00.00	96+00.00						
TRAPELO RD	96+00.00	102+00.00						
BELMONT ST	102+00.00	108+00.00			339	69	43	
BELMONT ST	108+00.00	113+00.00			500			
BELMONT ST	113+00.00	118+00.00			151			
BELMONT ST	118+00.00	123+00.00	84			75		132
BELMONT ST	123+00.00	129+00.00	450				153	
BELMONT ST	129+00.00	134+00.00	40				527	
BELMONT ST	134+00.00	140+00.00	100				992	
BELMONT ST	140+00.00	145+00.00					143	
BELMONT ST	145+00.00	147+14.55					138	
SUB TOTAL (FT)			674	125	990	289	5109	327.0
SUB TOTAL (SF)			2022	500	4950	1734	40872	3270
THICKNESSES (FT)			0.25	0.25	0.25	0.25	0.25	0.25
SUB TOTAL (CF)			505.5	125	1237.5	433.5	10218	817.5
CONVERSION FACTOR			27.00000					
SUB TOTAL (CY)			18.72	4.63	45.83	16.06	378.44	30.28

SUB TOTAL 493.96 **CY**

C. REMOVAL OF PRIVATE DRIVEWAYS AND WALKS

From behind back of sidewalk areas

<u>STREET</u>	<u>STATION</u>		<u>AREA</u>
	<u>START</u>	<u>END</u>	
TRAPELO RD	16+66.08	22+00.00	0.0
TRAPELO RD	22+00.00	27+50.00	187.0
TRAPELO RD	27+50.00	33+50.00	1167.0
TRAPELO RD	33+50.00	39+00.00	607.0
TRAPELO RD	39+00.00	44+00.00	235.0
TRAPELO RD	44+00.00	50+00.00	400.0
TRAPELO RD	50+00.00	55+50.00	433.0
TRAPELO RD	55+50.00	61+00.00	790.0
TRAPELO RD	61+00.00	67+50.00	1765.0
TRAPELO RD	67+50.00	73+00.00	1160.0
TRAPELO RD	73+00.00	79+00.00	205.0
TRAPELO RD	79+00.00	85+00.00	220.0
TRAPELO RD	85+00.00	91+00.00	1596.0
TRAPELO RD	91+00.00	96+00.00	856.0
TRAPELO RD	96+00.00	102+00.00	276.0
BELMONT ST	102+00.00	108+00.00	62.0
BELMONT ST	108+00.00	113+00.00	37.0
BELMONT ST	113+00.00	118+00.00	76.0
BELMONT ST	118+00.00	123+00.00	245.0
BELMONT ST	123+00.00	129+00.00	1008.0
BELMONT ST	129+00.00	134+00.00	848.0
BELMONT ST	134+00.00	140+00.00	902.0
BELMONT ST	140+00.00	145+00.00	715.0
BELMONT ST	145+00.00	147+14.55	151.0

SUB TOTAL (SF) 13941.0

THICKNESSES (FT) 0.25

TOTAL 3485.25 CF

SUBTOTAL **129.1** **CY**

D. REPLACEMENT OF FAILING PAVEMEND AFTER MILLING AND BEFORE INTERMEDIATE OVERLAY

10% OF 2.5" TO 3.5" MILLED AREA (ITEM 415.)	1684	SF
3.5" DEPTH	<u>0.29</u>	FT
	491.17	CF
27 CF PER CY	18.19	CY
SUB TOTAL	18.19	CY

SUB TOTAL SUMMARY

A. ROADWAY NARROWING, WIDENING, ISLANDS, FULL DEPTH PAVEMENT REPLACEMENT	1487.54	CY
B. REMOVAL OF HMA PUBLIC SIDEWALKS	493.96	CY
C. REMOVAL OF PRIVATE DRIVEWAYS AND WALKS	129.1	CY
D. REPLACEMENT OF FAILING PAVEMEND AFTER MILLING AND BEFORE INTERMEDIATE OVERLAY	18.19	CY

TOTAL **2128.78**

SAY	2130	CY
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129.52

TRACK EXCAVATION - TWO RAILS

CY

<u>STREET</u>	<u>STATION START</u>	<u>END</u>	<u>(FT) LENGTH</u>	<u>(FT) WIDTH</u>	<u>(SF) AREA</u>
CHURCH STRE	00+42.69	3+40.00	280.6	13	3648.06
SUBTOTAL					3648.1 SF
DEPTH OF TRACK FOUNDATION (10")					0.8 FT
TOTAL VOLUME					3040.1 CF
27 CF TO 1 CY					112.6 CY
TOTAL					113 CY
SAY					120 CY

129.54

TRACK EXCAVATION - FOUR RAILS

CY

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>	<u>(FT)</u>	<u>(SF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>AREA</u>
TRAPELO RD	89+92.42	90+22.34	30.08	19	571.5
TRAPELO RD	92+00.00	92+34.40	31.40	19	596.6
TRAPELO RD	94+75.60	95+36.18	60.71	19	1153.5
BELMONT ST	105+44.54	112+79+81	735.51	19	13974.7
SUBTOTAL					16296.3 SF
DEPTH OF TRACK FOUNDATION (10")					0.8 FT
TOTAL VOLUME					13580.3 CF
27 CF TO 1 CY					503.0 CY
TOTAL:					503.0 CY
SAY					510 CY

141.

CLASS A TRENCH EXCAVATION

CY

FOR ALL WALLS, SWALES, WATERWAYS, CULVERTS, WING WALLS, ETC.

A. FOR CEMENTED STONE MASONRY WALLS:

STREET	STATION	(FT) LENGTH	CUT			
			END AREA	AVG. END	(CF) VOL.	
MILL STREET	2+50	0	0.00	-	-	
MILL STREET	2+25	25	4.50	2.25	56.25	
MILL STREET	2+00	25	2.60	3.55	88.75	
MILL STREET	1+50	50	2.30	2.45	122.50	
MILL STREET	1+00	50	2.65	2.48	123.75	
MILL STREET	0+50	50	3.70	3.18	158.75	
TRAPELO ROAD	20+50	140	3.90	3.80	532.00	
TRAPELO ROAD	21+00	50	0.00	1.95	97.50	
TRAPELO ROAD	21+50	50	8.20	4.10	205.00	
TRAPELO ROAD	22+00	50	8.20	8.20	410.00	
TRAPELO ROAD	22+50	50	8.20	8.20	410.00	
TRAPELO ROAD	23+00	50	9.05	8.63	431.25	
TRAPELO ROAD	23+50	50	25.00	17.03	851.25	
TRAPELO ROAD	23+75	25	0.00	12.50	312.50	
SUB TOTAL VOLUME					3799.50	CF

B. SWALE ALONG TRAPELO ACROSS FROM MILL STREET

STREET	STATION	(FT) LENGTH	CUT			
			END AREA	AVG. END	(CF) VOL.	
TRAPELO ROAD	18+25	0	0.00	-	-	
TRAPELO ROAD	18+60	25	4.50	2.25	56.25	
TRAPELO ROAD	19+25	25	2.60	3.55	88.75	
TRAPELO ROAD	19+35	50	2.30	2.45	122.50	
TRAPELO ROAD	19+50	50	2.65	2.48	123.75	
TRAPELO ROAD	20+75	125	3.70	3.18	396.88	
TRAPELO ROAD	21+00	25	0.00	1.85	46.25	
SUB TOTAL VOLUME					834.38	CF
TOTAL VOLUME					4,633.88	CF
CONVERSION FACTOR					27.00	CF/CY
TOTAL					171.63	CY
SAY					180	CY

141.1

TEST PIT EXCAVATION

CY

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QUANT.</u>
TRAPELLO RD	21+41.48	Lt.	2
TRAPELLO RD	24+68.49	MIDDLE	1
TRAPELLO RD	25+05.73	Rt.	1
TRAPELLO RD	30+01.76	Lt.	1
TRAPELLO RD	30+06.95	Lt.	2
TRAPELLO RD	30+14.22	Lt.	2
TRAPELLO RD	32+48.26	Rt.	1
TRAPELLO RD	33+73.39	Rt.	1
LEXINGTON ST	01+24.97	Rt.	1
TRAPELLO RD	39+43.98	Lt.	2
TRAPELLO RD	46+08.18	Rt.	1
TRAPELLO RD	46+29.89	Rt.	1
TRAPELLO RD	46+58.18	Rt.	1
TRAPELLO RD	48+01.62	Rt.	1
TRAPELLO RD	49+09.86	Rt.	1
TRAPELLO RD	50+49.85	Rt.	1
TRAPELLO RD	50+61.30	Rt.	1
TRAPELLO RD	50+68.51	Rt.	1
TRAPELLO RD	55+48.13	Rt.	1
TRAPELLO RD	55+83.35	Rt.	1
TRAPELLO RD	55+98.25	Lt.	1
TRAPELLO RD	56+00.00	Rt.	1
TRAPELLO RD	56+09.40	BOTH	2
TRAPELLO RD	56+12.83	Lt.	2
TRAPELLO RD	9+13.40	Rt.	1
TRAPELLO RD	62+80.72	Rt.	1
TRAPELLO RD	62+83.76	Rt.	1
TRAPELLO RD	66+64.66	Rt.	1
TRAPELLO RD	71+18.35	Rt.	1
TRAPELLO RD	71+24.38	Rt.	1
HARRIT AVE	00+41.59	Rt.	1
HARRIT AVE	00+86.74	Rt.	1
TRAPELLO RD	73+46.58	Rt.	1
TRAPELLO RD	73+83.65	Rt.	1
TRAPELLO RD	76+39.52	Rt.	1
TRAPELLO RD	78+38.62	Rt.	1
TRAPELLO RD	80+95.63	Rt.	1
TRAPELLO RD	81+68.54	Rt.	1
TRAPELLO RD	82+41.35	Rt.	1
TRAPELLO RD	83+78.51	Rt.	1
TRAPELLO RD	84+73.44	Rt.	1
TRAPELLO RD	87+37.17	Rt.	1
TRAPELLO RD	87+44.74	Rt.	1
TRAPELLO RD	88+21.14	Rt.	1
TRAPELLO RD	88+60.35	Rt.	1
TRAPELLO RD	88+95.01	Lt.	1
TRAPELLO RD	93+00.00	Lt.	1
TRAPELLO RD	93+24.81	Lt.	1
TRAPELLO RD	93+40.30	Lt.	1
BELMONT ST	110+15.10	Rt.	1
BELMONT ST	114+14.04	Rt.	1
BELMONT ST	117+91.71	Rt.	1
BELMONT ST	117+99.21	Lt.	1
BELMONT ST	118+95.30	Rt.	1
BELMONT ST	118+96.30	Rt.	1
BELMONT ST	119+05.59	Rt.	1
BELMONT ST	120+33.32	Rt.	1
BELMONT ST	123+48.15	Lt.	1
BELMONT ST	123+78.04	Lt.	1
BELMONT ST	125+64.34	Lt.	1
BELMONT ST	125+66.33	Lt.	1
BELMONT ST	125+67.43	Lt.	1
BELMONT ST	127+58.63	Lt.	2
BELMONT ST	127+61.00	Lt.	1
BELMONT ST	128+56.59	Rt.	1
BELMONT ST	132+29.73	Lt.	1
BELMONT ST	134+36.82	Lt.	1
BELMONT ST	138+03.67	Lt.	1
BELMONT ST	141+70.48	Rt.	1
BELMONT ST	145+44.40	Lt.	1

TOTAL: 77.0 PITS

EACH PIT APPROX. 5 FT x 5 FT x 5 FT

VOLUME PER PIT: 4.63 CY

TOTAL: 356.5 CY

SAY	400	CY
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142.

CLASS B TRENCH EXCAVATION

CY

FOR PIPES WITH EXCAVATION MORE THAN 5 FEET IN DEPTH

STREET	STATION	FROM STRUCTURE	SIDE	STREET	STATION	TO STRUCTURE	SIDE	(LF) LENGTH	(LF) AVG. DEPTH	(IN) Pipe Dia	(LF) Width	LESS SFT	(CF) VOL.
MILL ST	00+76.60	DMH	Rt.	MILL ST.	01+14.30	DMH	Rt.	35.0	5.7	12	3.0	-5.0	91.0
MILL ST	01+14.30	DMH	Rt.	MILL ST.	01+09.50	DMH	Rt.	31.0	5.8	18.0	3.0	-5.0	104.6
TRAPELO RD	30+08.70	DMH	Lt.	TRAPELO RD.	30+36.80	DMH	Rt.	40.0	5.6	12.0	3.0	-5.0	91.2
TRAPELO RD	28+70.90	DMH	Rt.	TRAPELO RD.	30+36.80	DMH	Rt.	162.0	5.9	15.0	3.0	-5.0	633.4
TRAPELO RD	30+36.80	DMH	Rt.	TRAPELO RD.	31+89.60	DMH	Rt.	148.0	5.9	18.0	3.0	-5.0	612.7
TRAPELO RD	31+89.60	DMH	Rt.	TRAPELO RD.	33+48.60	DMH	Rt.	151.0	5.9	18.0	3.0	-5.0	625.1
TRAPELO RD	33+48.60	DMH	Rt.	LEXINGTON ST.	00+82.80	DMH	Rt.	116.0	5.9	18.0	3.0	-5.0	480.2
LEXINGTON ST.	00+82.80	DMH	Rt.	LEXINGTON ST.	01+73.80	DMH	Rt.	109.0	7.0	18.0	3.0	-5.0	971.2
CHURCH ST.	00+99.00	DMH	Rt.	TRAPELO RD.	38+09.30	DMH	Lt.	69.0	5.3	18.0	3.0	-5.0	96.3
TRAPELO RD	38+09.30	DMH	Lt.	TRAPELO RD.	39+45.80	DMH	Lt.	45.0	5.3	18.0	3.0	-5.0	56.7
TRAPELO RD	46+33.80	DMH	Lt.	TRAPELO RD.	46+59.70	DMH	Rt.	5.0	5.1	12.0	3.0	-5.0	1.8
TRAPELO RD	48+46.90	DMH	Rt.	TRAPELO RD.	50+55.80	DMH	Rt.	70.0	5.5	12.0	3.0	-5.0	128.8
TRAPELO RD	50+66.70	DMH	Rt.	TRAPELO RD.	50+55.80	DMH	Rt.	23.0	5.7	12.0	3.0	-5.0	68.1
TRAPELO RD	55+95.50	DMH	Rt.	TRAPELO RD.	56+19.60	DMH	Lt.	35.0	5.9	12.0	3.0	-5.0	128.8
TRAPELO RD	55+95.50	DMH	Rt.	TRAPELO RD.	57+19.10	DMH	Rt.	117.0	5.9	15.0	3.0	-5.0	457.5
TRAPELO RD	57+19.10	DMH	Rt.	TRAPELO RD.	58+61.60	DMH	Rt.	134.0	6.0	15.0	3.0	-5.0	552.4
TRAPELO RD	58+61.60	DMH	Rt.	TRAPELO RD.	60+87.00	DMH	Rt.	216.0	6.0	21.0	3.0	-5.0	995.2
TRAPELO RD	60+87.00	DMH	Rt.	TRAPELO RD.	62+97.30	DMH	Rt.	206.0	6.4	24.0	3.0	-5.0	1483.2
TRAPELO RD	62+97.30	DMH	Rt.	TRAPELO RD.	63+83.20	DMH	Rt.	83.0	7.8	24.0	3.0	-5.0	1153.7
TRAPELO RD	68+25.20	DMH	Rt.	TRAPELO RD.	70+46.20	DMH	Rt.	221	9.97	27	3.0	-5.0	5766.4
TRAPELO RD	70+46.20	DMH	Rt.	TRAPELO RD.	71+26.90	DMH	Rt.	79	9.77	27	3.0	-5.0	1978.4
HARRIET ST.	00+89.80	DMH	Rt.	TRAPELO RD.	71+26.90	DMH	Rt.	61	8.15	12	3.0	-5.0	768.6
HARRIET ST.	01+25.10	CB	Rt.	HARRIET ST.	00+89.00	DMH	Rt.	18	5.74	12	3.0	-5.0	53.3
TRAPELO RD	71+26.90	DMH	Rt.	TRAPELO RD.	71+65.10	DMH	Rt.	20	5.06	27	3.0	-5.0	6.3
TRAPELO RD	71+65.10	DMH	Rt.	TRAPELO RD.	73+31.80	DMH	Rt.	49	5.31	27	3.0	-5.0	79.7
TRAPELO RD	73+31.80	DMH	Rt.	TRAPELO RD.	73+83.70	DMH	Rt.	50	6.2	27	3.0	-5.0	315.0
TRAPELO RD	73+83.70	DMH	Rt.	TRAPELO RD.	75+52.80	DMH	Rt.	168	8.22	27	3.0	-5.0	2840.0
TRAPELO RD	75+52.80	DMH	Rt.	TRAPELO RD.	76+06.70	DMH	Rt.	51	6.9	27	3.0	-5.0	508.7
TRAPELO RD	76+06.70	DMH	Rt.	TRAPELO RD.	77+69.50	DMH	Rt.	160	8.55	27	3.0	-5.0	2982.0
TRAPELO RD	78+29.10	DMH	Rt.	TRAPELO RD.	81+54.50	DMH	Rt.	233	6.15	27	3.0	-5.0	1406.7
TRAPELO RD	81+54.50	DMH	Rt.	TRAPELO RD.	84+27.80	DMH	Rt.	270	7.58	27	3.0	-5.0	3657.2
TRAPELO RD	84+27.80	DMH	Rt.	TRAPELO RD.	84+29.00	DMH	Lt.	37	7.07	27	3.0	-5.0	402.1
TRAPELO RD	84+29.00	DMH	Lt.	TRAPELO RD.	86+47.30	DMH	Lt.	218	6.45	27	3.0	-5.0	1659.5
TRAPELO RD	86+47.30	DMH	Lt.	TRAPELO RD.	87+14.60	DMH	Lt.	63	6.42	27	3.0	-5.0	469.7
TRAPELO RD	87+14.60	DMH	Lt.	TRAPELO RD.	87+33.50	DMH	Lt.	14	6.27	27	3.0	-5.0	93.3
TRAPELO RD	87+33.50	DMH	Lt.	TRAPELO RD.	87+80.00	DMH	Lt.	43	6.23	27	3.0	-5.0	277.7
TRAPELO RD	87+80.00	DMH	Lt.	TRAPELO RD.	88+02.80	DMH	Lt.	20	5.57	15	3.0	-5.0	48.5
TRAPELO RD	87+80.00	DMH	Lt.	TRAPELO RD.	88+24.80	DMH	Rt.	30	5.43	15	3.0	-5.0	54.8
TRAPELO RD	87+80.00	DMH	Lt.	TRAPELO RD.	90+40.60	DMH	Lt.	257	6.71	24	3.0	-5.0	2197.4
TRAPELO RD	90+40.60	DMH	Lt.	TRAPELO RD.	93+17.10	DMH	Lt.	275	7.58	24	3.0	-5.0	3547.5
BELMONT ST	107+43.70	DMH	Lt.	BELMONT ST	110+27.00	DMH	Lt.	280	5.92	12	3.0	-5.0	1030.4
BELMONT ST	110+27.00	DMH	Lt.	BELMONT ST	112+65.20	DMH	Lt.	226	5.87	12	3.0	-5.0	786.5
BELMONT ST	112+65.20	DMH	Lt.	BELMONT ST	113+25.00	DMH	Lt.	39	5.46	12	3.0	-5.0	71.8
BELMONT ST	130+94.60	DMH	Lt.	BELMONT ST	132+31.30	DMH	Lt.	75	5.51	24	3.0	-5.0	191.3
BELMONT ST	132+31.30	DMH	Lt.	BELMONT ST	134+87.30	DMH	Lt.	251	5.97	24	3.0	-5.0	1217.4
BELMONT ST	134+87.30	DMH	Lt.	BELMONT ST	138+10.70	DMH	Lt.	320	6.32	24	3.0	-5.0	2112.0
BELMONT ST	138+10.70	DMH	Lt.	BELMONT ST	140+73.90	DMH	Lt.	263	8.37	24	3.0	-5.0	4431.6
BELMONT ST	140+73.90	DMH	Lt.	BELMONT ST	142+75.70	DMH	Lt.	193	9.1	12	3.0	-5.0	3165.2
BELMONT ST	142+75.70	DMH	Lt.	BELMONT ST	143+30.50	DMH	Lt.	50	7.5	12	3.0	-5.0	500.0
BELMONT ST	143+30.50	DMH	Lt.	BELMONT ST	144+51.40	DMH	Lt.	114	6.22	12	3.0	-5.0	556.3
BELMONT ST	144+51.40	DMH	Lt.	BELMONT ST	145+78.00	DMH	Lt.	16	5.16	12	3.0	-5.0	10.2
BELMONT ST	140+73.90	DMH	Lt.	OXFORD RD.	02+60.50	DMH	Lt.	243	9.15	24	3.0	-5.0	5042.3
OXFORD RD.	02+60.50	DMH	Lt.	OXFORD RD.	05+03.20	DMH	Lt.	238	7.2	24	3.0	-5.0	2618.0
SUBTOTAL												59,577.59	CF
CONVERSION FACTOR												27.00	CF/CY
TOTAL												2206.6	CY
SAY												2,210	CY

144.

CLASS B ROCK EXCAVATION

CY

WHEN ENCOUNTERED IN DRAINAGE PIPE AND STRUCTURE INSTALLATION.

A. FOR DRAINAGE PIPE AND STRUCTURE INSTALLATION

PAYMENT WIDTH: 2FT GREATER THAN INSIDE DIAMETER OF PIPE
MAXIMUM DEPTH: 1FT BELOW PIPE BARREL
BASED ON TEST PITS & BORINGS:

STA	00+00.00	STA	00+00.00
AREA	SF	AREA	0.0 SF
AVERAGE DEPTH:	LF	AVERAGE DEPTH:	0.0 LF
VOLUME:	0 CF	VOLUME:	0 CF
		SUBTOTAL	0.00 CF

B. SEWER WORK

AS ESTIMATED BASED ON SOIL BORING LOGS
AND PROPOSED SANITARY SEWER PIPE LAYOUT

SUBTOTAL 0.00 CF

C. RETAINING WALL

FROM EARTHWORK CALCS - ROCK EXCAVATION FOR WALL

10863.00 CF

D. SUBDRAIN

STATION	(LF) LENGTH	END AREA	AVG. END	(CF) VOL.
17+20		0.00	-	-
17+40		0.00	0.00	0.00
17+60	25.0	20.00	10.00	250.00
17+80		0.00	0.00	0.00
18+00		0.00	0.00	0.00
18+20		0.00	0.00	0.00
18+40		0.00	0.00	0.00
		SUBTOTAL	250.00	CF

SUB TOTAL SUMMARY

A. FOR DRAINAGE PIPE AND STRUCTURE INSTALLATION	0.00	CY
B. SEWER WORK	0.00	CY
C. RETAINING WALL	10863	CY
D. SUBDRAIN	<u>250.00</u>	CY

SUBTOTAL 11,113.00 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 411.59 CY

SAY	420	CY
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145.

DRAINAGE STRUCTURE ABANDONED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY.</u>
TRAPELO RD	48+24	Rt.	CB	1
TRAPELO RD	48+30	Rt.	CB	1
TRAPELO RD	67+45	Lt.	CB	1
HARRIETT RD	0+77	Lt.	CB	1
TRAPELO RD	76+06	Rt.	CB	1
TRAPELO RD	78+29	Rt.	DMH	1
TRAPELO RD	78+74	Rt.	CB	1
TRAPELO RD	82+19	Rt.	CB	1
COMMON ST N	0+80	Rt.	CB	1
TRAPELO RD	92+54	Lt.	CB	1
TRAPELO RD	92+60	Lt.	DMH	1
TRAPELO RD	141+33	Rt.	CB	1
TRAPELO RD	141+62	Rt.	CB	1

TOTAL: 13 EA

SAY	13	EA
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146.

DRAINAGE STRUCTURE REMOVED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY.</u>
MILL ST	1+10	Rt.	CB	1
MILL ST	3+31	Rt.	CB	1
MILL ST	3+32	Lt.	CB	1
TRAPELO RD	18+11	Lt.	CB	1
TRAPELO RD	21+86	Rt.	CB	1
TRAPELO RD	27+57	Lt.	CB	1
TRAPELO RD	28+72	Rt.	CB	1
TRAPELO RD	30+05	Rt.	DMH	1
TRAPELO RD	30+20	Lt.	CB	1
TRAPELO RD	30+61	Lt.	DMH	1
TRAPELO RD	31+53	Lt.	CB	1
TRAPELO RD	31+55	Lt.	DMH	1
TRAPELO RD	31+63	Lt.	DMH	1
TRAPELO RD	32+48	Lt.	CB	1
TRAPELO RD	32+63	Lt.	DMH	1
TRAPELO RD	34+70	Rt.	CB	1
LEXINGTON ST	4+12	Lt.	CB	1
CHURCH ST	0+99	Rt.	CB	1
CHURCH ST	3+33	Rt.	CB	1
TRAPELO RD	41+36	Rt.	CB	1
TRAPELO RD	48+24	Rt.	CB	1
TRAPELO RD	48+30	Rt.	CB	1
TRAPELO RD	48+76	Lt.	CB	1
TRAPELO RD	58+60	Rt.	DMH	1
TRAPELO RD	61+13	Rt.	CB	1
TRAPELO RD	61+13	Rt.	DMH	1
TRAPELO RD	63+28	Lt.	CB	1
TRAPELO RD	73+06	Rt.	CB	1
TRAPELO RD	75+85	Lt.	CB	1
TRAPELO RD	92+91	Lt.	CB	1
TRAPELO RD	102+32	Rt.	CB	1
TRAPELO RD	109+35	Rt.	CB	1
TRAPELO RD	112+05	Rt.	CB	1
TRAPELO RD	112+61	Lt.	CB	1
TRAPELO RD	117+73	Rt.	CB	1
TRAPELO RD	118+76	Rt.	CB	1
TRAPELO RD	119+82	Rt.	CB	1
TRAPELO RD	119+85	Rt.	CB	1
TRAPELO RD	119+87	Rt.	CB	1
TRAPELO RD	120+82	Lt.	CB	1
TRAPELO RD	123+45	Lt.	CB	1
TRAPELO RD	124+43	Rt.	CB	1
TRAPELO RD	126+23	Rt.	CB	1
TRAPELO RD	126+44	Rt.	CB	1
TRAPELO RD	127+32	Lt.	CB	1
TEMPLETON RD	0+37	Lt.	CB	1
TEMPLETON RD	1+04	Lt.	CB	1
TEMPLETON RD	1+04	Rt.	CB	1
TRAPELO RD	139+99	Rt.	CB	1

TOTAL: 49 EA

SAY	49	EA
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150.

ORDINARY BORROW

CY

FROM "EARTHWORKS" WORKSHEET

(QUANTITY IS ZERO UNLESS FILL IS HIGHER THAN CUT)

SUBTOTAL	<u>0.0</u>	CF
FOR ESTIMATING PURPOSES	500.00	CF
SUBTOTAL	<u>500.00</u>	CF
CONVERSION FACTOR	27.00	CF/CY
TOTAL	18.52	CY
SAY	20	CY

150.1

SPECIAL BORROW

CY

TO BE USED AT ALL AREAS OF ROCK CUT AND AREAS WHERE UNSUITABLE MATERIAL IS ENCOUNTERED.

A. ROCK CUT AREAS

FROM "EARTHWORKS" WORKSHEET

TOAL VOLUME 1748.75 CF

B. WETLAND AREAS

<u>STREET</u>	<u>STATION</u>	<u>(SF)</u>
	<u>START</u> <u>END</u>	<u>AREA</u>

TOTAL AREA 0 SF

DEPTH OF SPECIAL BORROW 0 LF

TOAL WETLAND VOLUME 0 CF

SUBTOTAL 1,749 CF

15% SWELL 262.3125 CF

SUBTOTAL 2,011.06 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 74 CY

SAY	75	CY
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151.

GRAVEL BORROW

CY

A. GRAVEL FOR PAVEMENT AREAS

FULL DEPTH PAVEMENT > 4FT	72,292	SF
FULL DEPTH PAVEMENT < 4FT	2,358	SF
	DEPTH <u>0.67</u>	LF
	VOLUME <u>49791.55</u>	CF

B. GRAVEL FOR SIDEWALK AREAS

CEMENT CONCRETE SIDEWALK AREA	101085.00	SF
SCORED CEMENT CONCRETE SIDEWALK AREA	47901.00	SF
COLORED SCORED CEMENT CONCRETE SIDEWALK AREA	10912.00	SF
CEMENT CONCRETE SIDEWALK AT DRIVE AREA	31179.00	SF
SCORED CEMENT CONCRETE SIDEWALK AT DRIVE AREA	2389.00	SF
CEMENT CONCRETE WHEELCHAIR AREA	34382.00	SF
PRIVATE CEMENT CONCRETE SIDEWALK AREA	2303.00	SF
PRIVATE HOT MIX ASPHALT WALK AREA	563.00	SF
TOTAL AREA	230714.00	SF
	DEPTH <u>0.67</u>	LF
	VOLUME <u>153886.24</u>	CF

C. GRAVEL FOR DRIVEWAY AREAS

CEMENT CONCRETE AT DRIVE AREA	36049.00	SF
HOT MIX ASPHALT DRIVE AREA	13,842	SF
TOTAL AREA	49891.00	SF
	DEPTH <u>0.67</u>	LF
	VOLUME <u>33426.97</u>	CF

SUBTOTAL 237104.76 **CF**

CONVERSION FACTOR 27.00 **CF/CY**

SUBTOTAL 8781.66 **CY**

25% SWELL 2195.41 **CY**

TOTAL 10977.07 **CY**

SAY	11,000	CY
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Area calculations located in back of book on pavement, sidewalk, and back of walk areas summary pages

151.2

**GRAVEL BORROW FOR BACKFILLING
STRUCTURES AND PIPES**

CY

A. PIPE BEDDING/BACKFILL

<u>ITEM</u>	<u>(LF) LENGTH</u>	<u>(SF) AREA</u>	<u>(CF) VOLUME</u>
10 INCH DUCTILE IRON PIPE	119	5.7	674.3
12 INCH DUCTILE IRON PIPE	10	6.0	60.0
12 INCH REINFORCED CONCRETE PIPE	4,733	6.0	28398.0
15 INCH REINFORCED CONCRETE PIPE	720	6.5	4680.0
18 INCH REINFORCED CONCRETE PIPE	947	7.0	6629.0
21 INCH REINFORCED CONCRETE PIPE	790	7.5	5925.0
24 INCH REINFORCED CONCRETE PIPE	2,583	8.0	20664.0
27 INCH REINFORCED CONCRETE PIPE	1,959	8.5	16651.5
6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	248	5.0	1240.0
8 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	120	5.3	636.0
10 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	118	5.7	668.7
12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	100	6.0	600.0
TOTAL PIPE VOLUME		86,826.50	CF

B. STONE WALL BACKFILL

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>(SF) END AREA</u>	<u>(SF) AVG. END</u>	<u>(CF) VOL.</u>
	<u>START</u>	<u>END</u>					
TRAPELO ROAD	00+00.00	00+00.00	LT.	0	0.00	-	-
					0.00	0.00	0.00

TOTAL WALL VOLUME 0.00 **CF**

SUBTOTAL: 86,826.50 **CF**

CONVERSION FACTOR 27.00 **CF/CY**

SUBTOTAL 3,215.80 **CY**

25% SWELL 803.95 **CY**

TOTAL 4,019.75 **CY**

SAY	4,020	CY
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153.

**CONTROLLED DENSITY FILL -
 EXCAVATABLE**

CY

A. PIPE LENGTHS:

	<u>(LF)</u>	
	<u>LENGTH</u>	
10 INCH DUCTILE IRON PIPE	119	
12 INCH DUCTILE IRON PIPE	10	
12 INCH REINFORCED CONCRETE PIPE	4,733	
15 INCH REINFORCED CONCRETE PIPE	720	
18 INCH REINFORCED CONCRETE PIPE	947	
21 INCH REINFORCED CONCRETE PIPE	790	
24 INCH REINFORCED CONCRETE PIPE	2,583	
27 INCH REINFORCED CONCRETE PIPE	1,959	
6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	248	
8 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	120	
12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	100	
TOTAL PIPE LENGTH	12329	LF
ASSUMED WIDTH	3	LF
ASSUMED DEPTH	3	LF
ASSUME ONLY NEEDED ALONG 5% OF TOTAL LENGTH	616.5	LF
TOTAL PIPE VOLUME	5548.1	CF

B. OVER PIPES IN COLD PLANE AND OVERLAY AREAS

	<u>(LF)</u>	
<u>LOCATION</u>	<u>LENGTH</u>	
AT START OF PROJECT		
TOTAL PROJECT	3700.0	
AT END OF PROJECT		
TOTAL PIPE LENGTH	3700	LF
ASSUMED DEPTH	3	LF
ASSUMED WIDTH	0.5	LF
TOTAL PIPE VOLUME	5550	CF
SUBTOTAL	11098.1	CF
CONVERSION FACTOR	27.00	CF/CY
SUBTOTAL	411.04	CY
SAY	420.0	CY

156.

CRUSHED STONE

TON

ASSUME THAT A 6 IN. BED OF CRUSHED STONE IS REQUIRED UNDER ALL STRUCTURES

A. UNDER DRAINAGE STRUCTURES

CATCH BASIN	106	EACH
MANHOLE	82	EACH
MANHOLE (9 TO 14 FOOT DEPTH)	10	EACH
SPECIAL MANHOLE	1	EACH
GUTTER INLET	15	EACH
DROP INLET TYPE BF	1	EACH
DROP INLET TYPE CF	2	EACH
TOTAL STRUCTURES	217	STRUCTURES
ASSUMED DIAMETER	6	LF
ASSUMED AREA	28.3	SF/STRUCTURE
ASSUMED VOLUME	14.1	CF/STRUCTURE
TOTAL STRUCTURE VOLUME	3066.2	CF

B. UNDER RIPRAP

DUMPED RIPRAP	0	SF
DEPTH	1	LF
TOTAL RIPRAP VOLUME	0.0	CF
PARTICIPATING SUBTOTAL	3066.2	CF
MULTIPLY BY CONVERSION FACTOR	0.0812	TON/CF
PARTICIPATING TOTAL	249.0	TON
PARTICIPATING	SAY	250 TON

170.

FINE GRADING AND COMPACTING

SY

	(SF)	
	<u>AREA</u>	
BENEATH FULL DEPTH PAVEMENT AREAS :	72292.0	
BENEATH LOAMED AREAS :	64,630	
BENEATH ALL CEMENT CONCRETE SIDEWALK AREAS:	162201.0	
BENEATH ALL CEMENT CONC. AT DRIVEWAY AREAS:	36049.0	
BENEATH ALL CEMENT CONCRETE WHEELCHAIR RAMPS:	34,382	
BENEATH ALL HOT MIX ASPHALT WALK SURFACES:	563	
BENEATH ALL HOT MIX ASPHALT DRIVEWAYS:	13842.0	
BENEATH ALL BRICK WALK AREA:	258.0	
SUBTOTAL	384,217.0	
		SF
CONVERSION FACTOR	9.00	SF/SY
TOTAL	42,690.78	SY
SAY	42,700	SY

Area calculations located in back of book on pavement, sidewalk, and back of walk areas summary pages

180.1

HEALTH AND SAFETY PLAN

LS

JOBWIDE LUMP SUM ITEM

SAY	1	LS
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180.2

**IMPLEMENTATION OF HEALTH AND SAFETY
PLAN**

HR

FOR ESTIMATING PURPOSES

SAY	60	HR
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180.3

PERSONEL PROTECTION LEVEL C UPGRADE

HR

FOR ESTIMATING PURPOSES

SAY	60	HR
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180.4

**MONITORING/HANDLING AND STOCKPILING OF
CONTAMINATED SOILS**

CY

FOR ESTIMATING PURPOSES

60

SAY	60	CY
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181.1

DISPOSAL OF CONTAMINATED SOIL

TON

FOR ESTIMATING PURPOSES

12

SAY	15	TON
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187.3

**REMOVAL AND DISPOSAL OF DRAINAGE
STRUCTURE SEDIMENTS**

CY

	QUANTITY	
DRAINAGE STRUCTURE ADJUSTED	264	ITEM 220.
DRAINAGE STRUCTURE REBUILT	2	ITEM 220.2
DRAINAGE STRUCTURE CHANGE IN TYPE	12	ITEM 220.3
DRAINAGE STRUCTURE REMODELED	20	ITEM 220.5
SUB-TOTAL	298	STRUCTURES
VOLUME OF SEDIMENT IN EACH STRUCTURE	0.5	CY
TOTAL	149	CY
SAY	150	CY

187.31

REMOVAL AND DISPOSAL OF DRAINAGE PIPE
SEDIMENTS

LF

<u>STREET</u>	<u>FROM</u> <u>STATION</u>	<u>TO</u> <u>STATION</u>	<u>(LF)</u> <u>LENGTH</u>
TRAPELO RD	15+50.00	22+00.00	201
MILL ST	00+00.00	04+00.00	472
TRAPELO RD	22+00.00	27+00.00	594
TRAPELO RD	27+00.00	33+00.00	165
PLEASANT ST	0+00.00	01+00.00	218
TRAPELO RD	33+00.00	39+00.00	260
LEXINGTON ST	00+00.00	06+00.00	283
CHURCH ST	00+00.00	04+00.00	144
TRAPELO RD	39+00.00	44+00.00	185
TRAPELO RD	44+00.00	50+00.00	428
TRAPELO RD	50+00.00	55+50.00	0
TRAPELO RD	55+50.00	61+00.00	205
TRAPELO RD	61+00.00	67+50.00	684
TRAPELO RD	67+50.00	73+00.00	541
HARRIET AVE	00+00.00	02+00.00	0
TRAPELO RD	73+00.00	79+00.00	600
TRAPELO RD	79+00.00	85+00.00	775
WILLSON RD	-	-	80
TRAPELO RD	85+00.00	90+50.00	255
TRAPELO RD	90+50.00	96+00.00	135
TRAPELO RD	96+00.00	102+00.00	665
BELMONT ST	-	-	426
BELMONT ST	102+00.00	107+00.00	768
BELMONT ST	107+00.00	113+00.00	500
BELMONT ST	113+00.00	118+00.00	650
BELMONT ST	118+00.00	123+00.00	550
BELMONT ST	123+00.00	129+00.00	600
BELMONT ST	129+00.00	134+00.00	500
BELMONT ST	134+00.00	140+00.00	485
TEMPLETON PKWY	00+00.00	02+00.00	189
ARLINGTON ST	00+00.00	05+00.00	218
BELMONT ST	140+00.00	145+00.00	266

SUB-TOTAL 12042 LF

25% OF EXISTING PIPE NEEDS TO BE CLEANED 3010.5 LF

TOTAL 3010.5 LF

SAY	3020	LF
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201.5

CATCH BASIN - MUNICIPAL STANDARD

EA

1 STANDARD UNIT = 7.5 FEET IN DEPTH
 MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
MILL ST	00+65.80	Rt.	1.0
MILL ST	01+09.20	Rt.	1.0
MILL ST	03+32.70	Lt.	1.0
TRAPELO RD	18+03.80	Lt.	1.0
TRAPELO RD	28+66.80	Rt.	1.0
TRAPELO RD	29+95.40	Lt.	1.0
TRAPELO RD	31+85.50	Rt.	1.0
TRAPELO RD	33+15.30	Rt.	1.0
LEXINGTON ST	04+38.50	Lt.	1.0
TRAPELO RD	33+00.00	Lt.	1.0
TRAPELO RD	34+60.40	Rt.	1.0
CHURCH ST	03+74.90	Lt.	1.0
CHURCH ST	03+32.90	Rt.	1.0
CHURCH ST	01+05.30	Rt.	1.0
TRAPELO RD	37+65.60	Rt.	1.0
TRAPELO RD	39+43.20	Lt.	1.0
TRAPELO RD	39+42.40	Rt.	1.0
TRAPELO RD	41+47.90	Rt.	1.0
TRAPELO RD	41+07.30	Rt.	1.0
TRAPELO RD	43+86.10	Rt.	1.0
TRAPELO RD	45+74.10	Rt.	1.0
TRAPELO RD	45+99.00	Rt.	1.0
TRAPELO RD	46+26.50	Rt.	1.0
TRAPELO RD	47+66.40	Rt.	1.0
TRAPELO RD	47+91.90	Lt.	1.0
TRAPELO RD	48+29.10	Lt.	1.0
TRAPELO RD	48+75.70	Lt.	1.0
TRAPELO RD	49+06.60	Lt.	1.0
TRAPELO RD	48+31.70	Rt.	1.0
TRAPELO RD	50+90.30	Rt.	1.0
TRAPELO RD	50+83.00	Rt.	1.0
TRAPELO RD	50+40.70	Rt.	1.0
TRAPELO RD	55+56.90	Lt.	1.0
TRAPELO RD	56+04.60	Lt.	1.0
TRAPELO RD	60+46.40	Rt.	1.0
TRAPELO RD	63+18.50	Lt.	1.0
TRAPELO RD	63+55.80	Lt.	1.0
TRAPELO RD	66+67.40	Rt.	1.0
TRAPELO RD	67+49.90	Lt.	1.0
TRAPELO RD	68+78.90	Rt.	1.0
HARRIET AVE	01+25.10	Rt.	1.0
HARRIET AVE	00+89.90	Rt.	1.0
TRAPELO RD	73+88.70	Rt.	1.0
TRAPELO RD	73+37.70	Rt.	1.0
TRAPELO RD	74+51.90	Lt.	1.0
TRAPELO RD	77+88.40	Lt.	1.0
TRAPELO RD	80+57.50	Lt.	1.0
TRAPELO RD	76+06.73	Rt.	1.0
TRAPELO RD	84+78.50	Rt.	1.0
TRAPELO RD	84+17.70	Rt.	1.0
TRAPELO RD	87+54.30	Lt.	1.0
TRAPELO RD	86+45.00	Lt.	1.0
TRAPELO RD	87+51.60	Lt.	1.0
TRAPELO RD	88+71.40	Rt.	1.0
TRAPELO RD	90+48.20	Lt.	1.0
TRAPELO RD	93+48.20	Lt.	1.0
TRAPELO RD	92+85.00	Lt.	1.0
TRAPELO RD	99+70.80	Lt.	1.0
TRAPELO RD	102+30.70	Rt.	1.0
TRAPELO RD	104+29.30	Lt.	1.0

BELMONT ST	105+37.30	Rt.	1.0
BELMONT ST	107+15.40	Rt.	1.0
BELMONT ST	110+12.90	Rt.	1.0
BELMONT ST	113+46.60	Rt.	1.0
BELMONT ST	107+40.90	Lt.	1.0
BELMONT ST	110+25.00	Lt.	1.0
BELMONT ST	115+08.80	Lt.	1.0
BELMONT ST	115+16.10	Lt.	1.0
BELMONT ST	115+46.00	Lt.	1.0
BELMONT ST	117+03.90	Lt.	1.0
BELMONT ST	117+37.50	Lt.	1.0
BELMONT ST	117+56.40	Rt.	1.0
BELMONT ST	118+90.80	Lt.	1.0
BELMONT ST	119+18.10	Lt.	1.0
BELMONT ST	119+44.00	Lt.	1.0
BELMONT ST	120+80.10	Lt.	1.0
BELMONT ST	118+66.90	Rt.	1.0
BELMONT ST	118+95.00	Rt.	1.0
BELMONT ST	119+18.50	Rt.	1.0
BELMONT ST	119+77.20	Rt.	1.0
SCHOOL ST	00+54.80	Rt.	1.0
SCHOOL ST	00+66.30	Lt.	1.0
BELMONT ST	121+49.80	Rt.	1.0
NEWTON ST	00+72.20	Lt.	1.0
NEWTON ST	00+49.70	Rt.	1.0
BELMONT ST	123+29.70	Lt.	1.0
BELMONT ST	125+44.20	Lt.	1.0
WORCESTER ST	00+66.70	Lt.	1.0
WORCESTER ST	00+56.20	Rt.	1.0
BELMONT ST	127+38.20	Lt.	1.0
BELMONT ST	127+47.00	Lt.	1.0
BELMONT ST	127+72.60	Lt.	1.0
BELMONT ST	128+43.30	Lt.	1.0
BELMONT ST	132+27.00	Lt.	1.0
BELMONT ST	134+21.30	Lt.	1.0
BELMONT ST	137+98.40	Lt.	1.0
BELMONT ST	140+49.60	Lt.	1.0
BELMONT ST	142+84.90	Lt.	1.0
BELMONT ST	145+78.00	Lt.	1.0
BELMONT ST	124+36.00	Rt.	1.0
BELMONT ST	125+76.20	Rt.	1.0
BELMONT ST	128+19.40	Rt.	1.0
BELMONT ST	128+68.60	Rt.	1.0
TEMPLETON PRK	01+05.60	Rt.	1.0
TEMPLETON PRK	01+39.20	Lt.	1.0
ARLINGTON ST	01+75.00	Rt.	1.0
BELMONT ST	139+93.80	Rt.	1.0

TOTAL: 106.0 EA

SAY	106	EA
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201.52

CATCH BASIN - MUNICIPAL STANDARD TYPE 2

EA

1 STANDARD UNIT = 7.5 FEET IN DEPTH
 MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
MILL ST	03+33.60	Rt.	1
TRAPELO RD	16+97.60	Rt.	1
TRAPELO RD	30+29.60	Rt.	1
TRAPELO RD	62+94.10	Rt.	1

TOTAL 4.00 EA

SAY	4	EA
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201.53

CATCH BASIN - MUNICIPAL STANDARD TYPE 3

EA

1 STANDARD UNIT = 7.5 FEET IN DEPTH
 MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
MILL ST	00+69.60	Rt.	1
MILL ST	01+42.70	Rt.	1
TRAPELO RD	25+11.30	Rt.	1
TRAPELO RD	55+17.10	Rt.	1
TRAPELO RD	58+18.90	Rt.	1
TRAPELO RD	78+45.60	Rt.	1
TRAPELO RD	81+54.40	Rt.	1
COMMON ST N	87+37.70	Rt.	1
TRAPELO RD	99+74.10	Rt.	1
BELMONT ST	140+85.40	Rt.	1

TOTAL: 10.0 EA

SAY	10	EA
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201.54

CATCH BASIN - MUNICIPAL STANDARD TYPE 4

EA

1 STANDARD UNIT = 7.5 FEET IN DEPTH
MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
TRAPELO RD	19+56.30	Rt.	1
TRAPELO RD	20+77.60	Rt.	1

TOTAL: 2.0 EA

SAY	2	EA
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202.

MANHOLE

EA

1 STANDARD UNIT = 6.5 FEET IN DEPTH
MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

If	Value
6.5'	1.0
7'	1.2
7.5'	1.4
8'	1.6
8.5'	1.8

STREET	STA.	SIDE	QUANTITY
MILL ST	01+14.30	Rt.	1.0
MILL ST	00+76.60	Rt.	1.0
TRAPELO RD	18+51.40	Rt.	1.0
TRAPELO RD	28+70.90	Rt.	1.0
TRAPELO RD	30+36.80	Rt.	1.0
TRAPELO RD	30+08.70	Lt.	1.0
TRAPELO RD	31+89.60	Rt.	1.0
TRAPELO RD	33+48.60	Rt.	1.0
LEXINGTON ST	00+82.80	Lt.	1.0
CHURCH ST	03+34.60	Rt.	1.0
CHURCH ST	00+99.00	Rt.	1.0
TRAPELO RD	39+45.80	Rt.	1.0
TRAPELO RD	45+81.10	Rt.	1.0
TRAPELO RD	46+33.80	Rt.	1.0
TRAPELO RD	48+41.70	Lt.	1.0
TRAPELO RD	48+46.90	Rt.	1.0
TRAPELO RD	50+55.80	Rt.	1.0
TRAPELO RD	50+66.70	Rt.	1.0
TRAPELO RD	56+19.60	Lt.	1.0
TRAPELO RD	55+95.50	Rt.	1.0
TRAPELO RD	57+19.10	Rt.	1.0
TRAPELO RD	58+61.60	Rt.	1.0
TRAPELO RD	60+87.00	Rt.	1.0
TRAPELO RD	62+97.30	Rt.	1.2
TRAPELO RD	63+54.70	Lt.	1.0
TRAPELO RD	67+49.30	Lt.	1.0
HARRIET AVE	00+89.80	Rt.	1.3
TRAPELO RD	71+46.90	Lt.	1.0
TRAPELO RD	73+83.70	Rt.	1.4
TRAPELO RD	74+46.40	Lt.	1.0
TRAPELO RD	77+82.70	Lt.	1.0
TRAPELO RD	80+51.50	Lt.	1.0
TRAPELO RD	76+06.70	Rt.	1.6
TRAPELO RD	78+29.10	Rt.	1.0
TRAPELO RD	86+47.30	Lt.	1.2
TRAPELO RD	87+14.60	Lt.	1.2
TRAPELO RD	87+33.50	Lt.	1.2
TRAPELO RD	88+24.80	Rt.	1.0
TRAPELO RD	90+40.60	Lt.	1.5
TRAPELO RD	93+13.30	Lt.	1.0
TRAPELO RD	100+99.10	Lt.	1.0
TRAPELO RD	104+30.80	Lt.	1.0
BELMONT ST	107+43.70	Lt.	1.0
BELMONT ST	110+27.00	Lt.	1.0
BELMONT ST	112+65.20	Lt.	1.0
BELMONT ST	115+39.60	Lt.	1.0
BELMONT ST	115+41.70	Lt.	1.0
BELMONT ST	117+28.20	Lt.	1.0
BELMONT ST	117+44.90	Lt.	1.2
BELMONT ST	119+34.10	Lt.	1.2
BELMONT ST	119+30.50	Lt.	1.2
BELMONT ST	119+01.90	Rt.	1.0
BELMONT ST	119+07.40	Rt.	1.0
BELMONT ST	119+87.20	Rt.	1.0
SCHOOL ST	00+48.80	Lt.	1.0
BELMONT ST	120+69.50	Rt.	1.0
NEWTON ST	00+49.80	Lt.	1.0
BELMONT ST	125+66.00	Lt.	1.0
WORCESTER ST	00+34.90	Lt.	1.0
BELMONT ST	127+58.90	Lt.	1.0
BELMONT ST	127+54.30	Lt.	1.0
BELMONT ST	128+50.50	Lt.	1.0
BELMONT ST	130+77.30	Lt.	1.0
BELMONT ST	130+94.60	Lt.	1.0

BELMONT ST	132+31.30	Lt.	1.0
BELMONT ST	134+87.30	Lt.	1.0
BELMONT ST	138+10.70	Lt.	1.6
OXFORD ROAD	02+60.50	Lt.	1.0
BELMONT ST	142+75.70	Lt.	1.8
BELMONT ST	143+30.50	Lt.	1.5
BELMONT ST	144+51.40	Lt.	1.0
BELMONT ST	124+32.40	Rt.	1.0
BELMONT ST	125+80.40	Rt.	1.0
BELMONT ST	128+56.70	Rt.	1.0
BELMONT ST	140+94.10	Rt.	1.0
BELMONT ST	145+93.80	Rt.	1.0

TOTAL 81 EA

SAY	82	EA
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202.2

MANHOLE (9 to 14 FOOT DEPTH)

EA

1 STANDARD UNIT = 9 FEET IN DEPTH
 MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

If	Value	STREET	STA.	SIDE	QUANTITY
9'	1.0	TRAPELO RD	46+59.70	Rt.	1.5
10'	1.2	TRAPELO RD	47+57.80	Rt.	1.2
11'	1.4	TRAPELO RD	66+63.90	Rt.	1.5
12'	1.6	TRAPELO RD	71+26.90	Rt.	1.2
13'	1.8	BELMONT ST	107+19.70	Rt.	1.0
14'	2.0	BELMONT ST	121+54.20	Rt.	1.4
		BELMONT ST	140+73.90	Lt.	1.4

TOTAL: 9.2 EA

SAY	10	EA
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203.

SPECIAL MANHOLE

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QUANTITY</u>
OXFORD ROAD	05+03.20	Lt.	1.0

TOTAL: _____ 1 EA

SAY	1	EA
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204.

GUTTER INLET

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QUANTITY</u>
MILL ST	02+07.30	Lt.	1
TRAPELO RD	17+70.60	Lt.	1
TRAPELO RD	21+38.80	Lt.	1
TRAPELO RD	71+90.20	Lt.	1
TRAPELO RD	88+40.70	Lt.	1
TRAPELO RD	92+89.10	Rt.	1
TRAPELO RD	93+29.10	Rt.	1
BELMONT ST	114+87.90	Lt.	1
BELMONT ST	145+88.70	Rt.	1
CONTINGENCY			6

TOTAL: 15 EA

SAY	15	EA
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207.1

DROP INLET, TYPE BF

EA

1 STANDARD UNIT = 4 FEET AND 10 INCHES IN DEPTH
MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
MILL ST	01+16.20	Rt.	1

TOTAL: 1 EA

SAY	1	EA
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208.1

DROP INLET, TYPE CF

EA

1 STANDARD UNIT = 6.5 FEET IN DEPTH
MEASURED FROM GRATE OR COVER TO TOP OF FLOORING

STREET	STA.	SIDE	QUANTITY
TRAPELO RD	18+55.60	Rt.	1
HARRIET AVE	00+89.10	Lt.	1

TOTAL: 2 EA

SAY	2	EA
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220.

DRAINAGE STRUCTURE ADJUSTED

EA

ADJUSTMENTS 6 INCHES OR LESS
 DRAINAGE ADJUST INCLUDES MWRA MANHOLES

STREET	STATION		QTY.
	START	END	
TRAPELO RD	15+50.00	22+00.00	10
MILL ST	00+00.00	04+00.00	8
TRAPELO RD	22+00.00	27+00.00	2
TRAPELO RD	27+00.00	33+00.00	7
PLEASANT ST	0+00.00	01+00.00	2
TRAPELO RD	33+00.00	39+00.00	17
LEXINGTON ST	00+00.00	06+00.00	10
CHURCH ST	00+00.00	04+00.00	12
TRAPELO RD	40+00.00	44+00.00	8
TRAPELO RD	44+00.00	50+00.00	8
TRAPELO RD	50+00.00	55+50.00	1
TRAPELO RD	55+50.00	61+00.00	6
TRAPELO RD	61+00.00	67+50.00	6
TRAPELO RD	67+50.00	73+00.00	5
HARRIET AVE	00+00.00	02+00.00	3
TRAPELO RD	73+00.00	79+00.00	9
TRAPELO RD	79+00.00	84+50.00	8
TRAPELO RD	84+50.00	90+50.00	11
COMMON ST (N)	00+00.00	6+00.00	6
COMMON ST (S)	00+00.00	5+00.00	8
CUSHING AVE			6
TRAPELO RD	90+50.00	96+00.00	5
TRAPELO RD	96+00.00	102+00.00	18
BELMONT ST	102+00.00	107+00.00	12
BELMONT ST	107+00.00	113+00.00	3
BELMONT ST	113+00.00	118+00.00	11
BELMONT ST	118+00.00	123+00.00	13
SCHOOL ST (S)	00+00.00	03+00.00	5
BELMONT ST	123+00.00	129+00.00	7
BELMONT ST	129+00.00	134+00.00	8
BELMONT ST	134+00.00	140+00.00	5
TEMPLETON PKWY	00+00.00	02+00.00	2
ARLINGTON ST	00+00.00	05+00.00	3
BELMONT ST	140+00.00	145+00.00	14
OXFORD AVE	00+00.00	05+63.93	
BELMONT ST	145+00.00	150+00.00	5

TOTAL 264 EA

SAY	265	EA
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220.2

DRAINAGE STRUCTURE REBUILT

FT

STREET	STA.	SIDE	QUANTITY	LENGTH
LEXINGTON ST	00+35.20	Rt.	1.0	3
COMMON ST N	04+85.90	Rt.	1.0	3
CONTINGENCY				10

TOTAL 16 FT

SAY	20	FT
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220.3

DRAINAGE STRUCTURE CHANGE IN TYPE

EA

STREET	STA.	SIDE	TYPE	QUANTITY
MILL ST	02+01.30	Lt.	DMH	1.0
TRAPELO RD	17+04.30	Rt.	DMH	1.0
TRAPELO RD	17+52.90	Lt.	DMH	1.0
TRAPELO RD	47+57.90	Rt.	DMH	1.0
TRAPELO RD	48+21.10	Lt.	DMH	1.0
TRAPELO RD	48+89.80	Lt.	DMH	1.0
TRAPELO RD	63+69.90	Rt.	TYPE 2	1.0
TRAPELO RD	68+43.20	Rt.	DMH	1.0
TRAPELO RD	71+71.20	Lt.	DMH	1.0
TRAPELO RD	77+65.20	Lt.	DMH	1.0
TRAPELO RD	88+12.50	Rt.	DMH	1.0
TRAPELO RD	93+21.60	Rt.	DMH	1.0

TOTAL 12 EA

SAY	12	EA
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220.5

DRAINAGE STRUCTURE REMODELED

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY.</u>
TRAPELO ROAD	34+25.50	Lt.	CB	1.0
TRAPELO ROAD	35+33.70	Rt.	CB	1.0
LEXINGTON ST	04+06.90	Rt.	CB	1.0
TRAPELO ROAD	41+33.40	Rt.	CB	1.0
TRAPELO ROAD	41+45.00	Lt.	DMH	1.0
TRAPELO ROAD	60+62.70	Lt.	CB	1.0
TRAPELO ROAD	82+74.30	Lt.	CB	1.0
COMMON ST N	04+27.70	Lt.	CB	1.0
TRAPELO ROAD	100+21.10	Lt.	CB	1.0
TRAPELO ROAD	104+67.40	Lt.	CB	1.0
BELMONT ROAD	116+81.20	Lt.	CB	1.0
BELMONT ROAD	122+16.60	Lt.	CB	1.0
BELMONT ROAD	123+98.70	Rt.	CB	1.0
BELMONT ROAD	126+53.60	Rt.	CB	1.0
BELMONT ROAD	129+37.50	Rt.	CB	1.0
BELMONT ROAD	130+39.10	Rt.	CB	1.0
BELMONT ROAD	132+73.60	Rt.	CB	1.0
BELMONT ROAD	135+03.70	Rt.	CB	1.0
TEMPLETON ST	00+91.60	Lt.	DMH	1.0
BELMONT ROAD	138+69.50	Rt.	CB	1.0

TOTAL 20 EA

SAY	20	EA
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220.6

SANITARY STRUCTURE REBUILT

FT

ASSUME 5% OF ADJUSTED (ITEM 220.7) 7

TOTAL 7 EA

SAY	7	EA
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220.7

SANITARY STRUCTURE ADJUSTED

EA

ADJUSTMENTS 6 INCHES OR LESS

<u>STREET</u>	<u>STATION</u>		<u>QTY.</u>
	<u>START</u>	<u>END</u>	
TRAPELO RD	15+50.00	22+00.00	5
MILL ST	00+00.00	04+00.00	5
TRAPELO RD	22+00.00	27+00.00	5
TRAPELO RD	27+00.00	33+00.00	2
PLEASANT ST	00+00.00	01+00.00	
TRAPELO RD	33+00.00	39+00.00	5
LEXINGTON ST	00+00.00	06+00.00	1
CHURCH ST	00+00.00	04+00.00	1
TRAPELO RD	40+00.00	44+00.00	4
TRAPELO RD	44+00.00	50+00.00	9
TRAPELO RD	50+00.00	55+50.00	4
TRAPELO RD	55+50.00	61+00.00	5
TRAPELO RD	61+00.00	67+50.00	7
TRAPELO RD	67+50.00	73+00.00	6
HARRIET AVE	00+00.00	02+00.00	2
TRAPELO RD	73+00.00	79+00.00	5
TRAPELO RD	79+00.00	84+50.00	4
TRAPELO RD	84+50.00	909+50.00	3
COMMON ST (N)	00+00.00	06+00.00	2
COMMON ST (S)	00+00.00	05+00.00	2
CUSHING AVE			
TRAPELO RD	90+50.00	96+00.00	2
TRAPELO RD	96+00.00	102+00.00	4
BELMONT ST	102+00.00	107+00.00	3
BELMONT ST	107+00.00	113+00.00	1
BELMONT ST	113+00.00	118+00.00	5
BELMONT ST	118+00.00	123+00.00	5
SCHOOL ST (N)	00+00.00	02+93.00	1
SCHOOL ST (S)	00+00.00	03+00.00	1
BELMONT ST	123+00.00	129+00.00	8
BELMONT ST	129+00.00	134+00.00	4
BELMONT ST	134+00.00	140+00.00	7
GRVOE ST	00+00.00	02+25.00	2
TEMPLETON PKWY	00+00.00	02+00.00	1
ARLINGTON ST	00+00.00	05+00.00	1
BELMONT ST	140+00.00	145+00.00	6
OXFORD AVE	00+00.00	05+63.93	2
BELMONT ST	145+00.00	150+00.00	2

SUBTOTAL 132 EA

MINUS ASSUME 5% REMODELED - 7

MINUS ASSUME 5% REBUILT - 7

TOTAL 119 EA

SAY	119	EA
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220.8

SANITARY STRUCTURE REMODELED

EA

ASSUME 5% OF ADJUSTED (ITEM 220.7) 7

TOTAL 7 EA

SAY	7	EA
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222.3

FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD

EA

MANHOLE:	81	EACH
MANHOLE (9 TO 14 FOOT DEPTH)	9	EACH
SPECIAL MANHOLE	1	EACH
STRUCTURE CHANGE IN TYPE	12	EACH
SUBTOTAL	103	EA
REUSABLE COVERS (FROM ITEM 223.1)	110	EA
TOTAL PARTICIPATING	-7	EA
CATCH BASIN	106	EACH
CATCH BASIN TYPE 2	4	EACH
CATCH BASIN TYPE 3	10	EACH
GUTTER INLET	15	EACH
DROP INLET, TYPE BF	1	EACH
DROP INLET, TYPE CF	2	EACH
SUBTOTAL	448	EA
REUSABLE GRATES (FROM ITEM 223.1)	70	EA
TOTAL	378	EA
PARTICIPATING	SAY	380 EA

223.

FRAME AND GRATE (OR COVER)
REMOVED AND RESET

EA

<u>STREET</u>	<u>STATION</u>		<u>MH</u>	<u>CB</u>	
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>	<u>QUANT.</u>	<u>QUANT.</u>	
			2		
			TOTAL	2	0 EA
			SAY	2	EA

223.1

FRAME AND GRATE (OR COVER)
REMOVED AND STACKED

EA

<u>STREET</u>	<u>STATION</u>		<u>MH</u> <u>QUANT.</u>	<u>CB</u> <u>QUANT.</u>
	<u>START</u>	<u>END</u>		
TRAPELO RD	15+50.00	22+00.00	5	6
MILL ST	00+00.00	04+00.00	7	4
TRAPELO RD	22+00.00	27+00.00	8	0
TRAPELO RD	27+00.00	33+00.00	21	6
PLEASANT ST	00+00.00	01+00.00	0	0
TRAPELO RD	33+00.00	39+00.00	13	6
LEXINGTON ST	00+00.00	06+00.00	3	5
CHURCH ST	00+00.00	04+00.00	2	4
TRAPELO RD	40+00.00	44+00.00	7	4
TRAPELO RD	44+00.00	50+00.00	12	6
TRAPELO RD	50+00.00	55+50.00	4	0
TRAPELO RD	55+50.00	61+00.00	9	2
TRAPELO RD	61+00.00	67+50.00	9	4
TRAPELO RD	67+50.00	73+00.00	4	3
HARRIET AVE	00+00.00	02+00.00	4	2
TRAPELO RD	73+00.00	79+00.00	6	6
TRAPELO RD	79+00.00	84+50.00	5	5
TRAPELO RD	84+50.00	90+50.00	9	1
COMMON ST (N)	00+00.00	06+00.00	3	4
COMMON ST (S)	00+00.00	05+00.00	3	4
CUSHING AVE			1	3
TRAPELO RD	90+50.00	96+00.00	4	3
TRAPELO RD	96+00.00	102+00.00	11	7
BELMONT ST	102+00.00	107+00.00	9	3
BELMONT ST	107+00.00	113+00.00	2	4
BELMONT ST	113+00.00	118+00.00	7	6
BELMONT ST	118+00.00	123+00.00	6	9
SCHOOL ST (N)	00+00.00	02+93.00	0	0
SCHOOL ST (S)	00+00.00	03+00.00	1	2
BELMONT ST	123+00.00	129+00.00	11	9
BELMONT ST	129+00.00	134+00.00	5	6
BELMONT ST	134+00.00	140+00.00	7	5
GRVOE ST	00+00.00	02+25.00	2	0
TEMPLETON PKWY	00+00.00	02+00.00	2	2
ARLINGTON ST	00+00.00	05+00.00	2	1
BELMONT ST	140+00.00	145+00.00	9	5
OXFORD AVE	00+00.00	05+63.93	2	0
BELMONT ST	145+00.00	150+00.00	5	2

SUBTOTAL 220 139 EA

ASSUME 50% OF MH COVERS AND 50% OF CB GRATES

ARE RE-SUABLE 110 70 EA

TO BE DISCARDED: 110 69 EA

SAY	359	EA
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223.2

**FRAME AND GRATE (OR COVER) REMOVED
AND DISCARDED**

EA

	MH QUANT.	CB QUANT.
FROM ITEM 223.1	110	69

TOTAL: 179 EA

SAY	180	EA
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224.12

12 INCH HOOD

EA

Hood per 12" new catchbasin or existing catchbasin that is modified

CATCH BASIN	106	EACH
CATCH BASIN TYPE 2	4	EACH
CATCH BASIN TYPE 3	10	EACH
CATCH BASIN TYPE 4	2	EACH

TOTAL: 122 EA

SAY	122	EA
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227.4

MASONRY PLUG

SF

A. DRAINAGE PIPE

<u>STREET</u>	<u>STA.</u>	(LF) <u>DIAMETER</u>	(SF) <u>AREA</u>
TRAPELO RD.	18+09.00	0.83	0.55
TRAPELO RD.	34+66.60	0.83	0.55
LEXINGTON ST.	04+13.40	0.83	0.55
LEXINGTON ST.	04+52.70	0.83	0.55
CHURCH ST.	00+98.90	0.83	0.55
CHURCH ST.	00+98.90	0.83	0.55
TRAPELO RD.	47+61.30	0.67	0.35
TRAPELO RD.	48+25.00	0.83	0.55
TRAPELO RD.	48+28.80	0.83	0.55
TRAPELO RD.	48+32.00	0.83	0.55
TRAPELO RD.	48+45.50	0.83	0.55
TRAPELO RD.	55+94.90	1.00	0.79
HARRIET AVE.	00+74.60	0.67	0.35
TRAPELO RD.	73+36.20	1.75	2.40
TRAPELO RD.	75+35.70	1.75	2.40
TRAPELO RD.	78+29.10	0.83	0.55
TRAPELO RD.	78+29.10	0.83	0.55
TRAPELO RD.	78+71.60	0.83	0.55
TRAPELO RD.	86+45.20	0.83	0.55
COMMON ST.	00+53.70	1.00	0.79
TRAPELO RD.	123+45.40	0.83	0.55
TRAPELO RD.	141+64.30	0.67	0.35
TRAPELO RD.	141+74.20	0.67	0.35

TOTAL AREA DRAINAGE PIPES 15.95 SF

B. SEWER PIPES

<u>STREET</u>	<u>STA.</u>	(LF) <u>DIAMETER</u>	(SF) <u>AREA</u>
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TOTAL AREA SEWER PIPES 0.00 SF

C. ELECTRICAL CONDUIT

<u>STREET</u>	<u>STA.</u>	(LF) <u>DIAMETER</u>	(SF) <u>AREA</u>
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TOTAL AREA ELECTRICAL CONDUIT 0.00 SF

TOTAL PARTICIPATING 15.95 SF

TOTAL NON-PARTICIPATING 0.00 SF

PARTICIPATING	SAY	20.0	SF
NON-PARTICIPATING	SAY	0.0	SF

238.10

10 INCH DUCTILE IRON PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	FES	19+31.00	Rt.	12	19+43.00	FES	Rt.
TRAPELO RD	GI	21+38.80	Lt.	10	21+40.90	DMH	Lt.
TRAPELO RD	DMH	24+54.90	Rt.	67	25+11.30	TYPE 3	Rt.
CONTINGENCY				30			

TOTAL 119.0 LF

SAY	120	LF
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238.12

12 INCH DUCTILE IRON PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM</u> <u>STATION</u>	<u>SIDE</u>	(LF) <u>INVERT.</u> <u>ELEV.</u>	(LF) <u>LENGTH</u>	<u>TO</u> <u>STATION</u>	<u>FROM</u> <u>STRUCTURE</u>	<u>SIDE</u>	(LF) <u>INVERT.</u> <u>ELEV.</u>	
CONTINGENCY					10					
				TOTAL	10.0	LF				
				SAY	10	LF				

241.12

12 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
MILL ST	TYPE 2	03+33.60	Rt.	13	MILL ST	03+20.70	DMH	Rt.
MILL ST	DMH	03+20.70	Rt.	24	MILL ST	03+32.70	TYPE 1	Lt.
MILL ST	GI	02+07.30	Lt.	3	MILL ST	02+01.30	DMH	Lt.
MILL ST	TYPE 3	01+42.70	Rt.	25	MILL ST	01+14.30	DMH	Rt.
MILL ST	TYPE 1	01+09.20	Rt.	1	MILL ST	01+14.30	DMH	Rt.
MILL ST	DMH	01+14.30	Rt.	35	MILL ST	00+76.60	DMH	Rt.
MILL ST	DMH	00+76.60	Rt.	21	MILL ST	00+65.80	TYPE 1	Rt.
MILL ST	TYPE 3	00+69.60	Rt.	1	MILL ST	00+76.60	DMH	Rt.
TRAPELO RD	TYPE 2	16+97.60	Rt.	2	TRAPELO RD	17+04.30	DMH	Rt.
TRAPELO RD	DMH	17+04.30	Rt.	140	TRAPELO RD	18+51.40	DMH	Rt.
TRAPELO RD	DMH	18+51.40	Rt.	6	TRAPELO RD	18+55.60	TYPE CF	Rt.
TRAPELO RD	DMH	17+52.90	Lt.	20	TRAPELO RD	17+70.60	GI	Lt.
TRAPELO RD	TYPE 1	18+03.80	Lt.	4	TRAPELO RD	18+08.75	DMH	Lt.
TRAPELO RD	TYPE 1	28+66.80	Rt.	1	TRAPELO RD	28+70.90	DMH	Rt.
TRAPELO RD	DMH	30+36.80	Rt.	4	TRAPELO RD	30+29.60	TYPE 2	Rt.
TRAPELO RD	TYPE 1	29+95.40	Lt.	26	TRAPELO RD	30+08.70	DMH	Lt.
TRAPELO RD	DMH	30+08.70	Lt.	40	TRAPELO RD	30+36.80	DMH	Rt.
TRAPELO RD	DMH	31+89.60	Rt.	2	TRAPELO RD	31+85.50	TYPE 1	Rt.
TRAPELO RD	DMH	33+48.60	Rt.	28	TRAPELO RD	33+15.30	TYPE 1	Rt.
LEXINGTON ST	DMH	00+82.80	Lt.	6	LEXINGTON ST	00+87.70	DMH	Lt.
LEXINGTON ST	TYPE 1	04+38.50	Lt.	28	LEXINGTON ST	04+56.40	DMH	Rt.
TRAPELO RD	TYPE 1	33+00.00	Lt.	126	TRAPELO RD	34+29.40	DMH	Lt.
TRAPELO RD	TYPE 1	34+60.40	Rt.	2	TRAPELO RD	34+65.80	DMH	Rt.
CHURCH ST	TYPE 1	03+74.90	Lt.	47	CHURCH ST	03+34.60	DMH	Rt.
CHURCH ST	DMH	03+34.60	Rt.	6	CHURCH ST	03+32.90	TYPE 1	Rt.
CHURCH ST	DMH	03+34.60	Rt.	13	CHURCH ST	03+23.00	DMH	Rt.
CHURCH ST	TYPE 1	01+05.30	Rt.	3	CHURCH ST	00+99.00	DMH	Rt.
CHURCH ST	DMH	00+99.00	Rt.	32	TRAPELO RD	37+65.60	TYPE 1	Rt.
TRAPELO RD	DMH	39+45.80	Rt.	14	TRAPELO RD	39+43.20	TYPE 1	Rt.
TRAPELO RD	TYPE 1	39+42.40	Rt.	33	TRAPELO RD	39+45.80	DMH	Rt.
TRAPELO RD	TYPE 1	41+47.90	Lt.	45	TRAPELO RD	41+21.68	DMH	Lt.
TRAPELO RD	DMH	41+21.68	Lt.	12	TRAPELO RD	41+07.30	TYPE 1	Lt.
TRAPELO RD	TYPE 1	43+86.10	Lt.	189	TRAPELO RD	45+81.10	DMH	Lt.
TRAPELO RD	DMH	45+81.10	Lt.	3	TRAPELO RD	45+74.10	TYPE 1	Lt.
TRAPELO RD	DMH	45+81.10	Lt.	48	TRAPELO RD	46+33.80	DMH	Lt.
TRAPELO RD	DMH	46+33.80	Lt.	24	TRAPELO RD	46+59.70	DMH 9-14	Lt.
TRAPELO RD	TYPE 1	45+99.00	Lt.	33	TRAPELO RD	46+33.80	DMH	Lt.
TRAPELO RD	DMH	46+33.80	Lt.	32	TRAPELO RD	46+26.50	TYPE 1	Lt.
TRAPELO RD	DMH 9-14	47+57.80	Lt.	10	TRAPELO RD	47+57.96	DMH	Lt.
TRAPELO RD	DMH	47+57.96	Lt.	4	TRAPELO RD	47+66.40	TYPE 1	Lt.
TRAPELO RD	TYPE 1	47+91.90	Lt.	32	TRAPELO RD	48+21.10	DMH	Lt.
TRAPELO RD	DMH	48+21.10	Lt.	5	TRAPELO RD	48+29.10	TYPE 1	Lt.
TRAPELO RD	DMH	48+89.80	Lt.	14	TRAPELO RD	49+06.60	TYPE 1	Lt.
TRAPELO RD	TYPE 1	48+31.70	Rt.	10	TRAPELO RD	48+46.90	DMH	Rt.
TRAPELO RD	DMH	48+46.90	Rt.	5	TRAPELO RD	48+47.23	DMH	Rt.
TRAPELO RD	DMH	48+46.90	Rt.	204	TRAPELO RD	50+55.80	DMH	Rt.
TRAPELO RD	DMH	50+55.80	Rt.	30	TRAPELO RD	50+90.30	TYPE 1	Rt.
TRAPELO RD	TYPE 1	50+83.00	Rt.	23	TRAPELO RD	50+66.70	DMH	Rt.
TRAPELO RD	DMH	50+66.70	Rt.	15	TRAPELO RD	50+55.80	DMH	Rt.
TRAPELO RD	DMH	50+66.70	Rt.	21	TRAPELO RD	50+40.70	TYPE 1	Rt.
TRAPELO RD	TYPE 1	55+56.90	Lt.	60	TRAPELO RD	56+19.60	DMH	Lt.
TRAPELO RD	DMH	56+19.60	Lt.	42	TRAPELO RD	56+04.60	TYPE 1	Lt.
TRAPELO RD	DMH	56+19.60	Lt.	35	TRAPELO RD	55+95.50	DMH	Rt.
TRAPELO RD	DMH	55+95.50	Rt.	74	TRAPELO RD	55+17.10	TYPE 3	Rt.
TRAPELO RD	DMH	58+61.60	Rt.	38	TRAPELO RD	58+18.90	TYPE 3	Rt.
TRAPELO RD	DMH	60+87.00	Rt.	36	TRAPELO RD	60+46.40	TYPE 1	Rt.
TRAPELO RD	DMH	62+97.30	Rt.	1	TRAPELO RD	62+94.10	TYPE 2	Rt.
TRAPELO RD	TYPE 1	63+18.50	Lt.	21	TRAPELO RD	63+43.05	DMH	Lt.
TRAPELO RD	DMH	63+43.05	Lt.	10	TRAPELO RD	63+54.70	DMH	Lt.
TRAPELO RD	DMH	63+54.70	Lt.	2	TRAPELO RD	63+55.80	TYPE 1	Lt.
TRAPELO RD	DMH 9-14	66+63.90	Rt.	3	TRAPELO RD	66+67.40	TYPE 1	Rt.
TRAPELO RD	DMH	67+49.30	Lt.	2	TRAPELO RD	67+49.90	TYPE 1	Lt.
TRAPELO RD	TYPE 1	68+78.90	Rt.	31	TRAPELO RD	68+42.30	DMH	Rt.
TRAPELO RD	DMH 9-14	71+26.90	Rt.	61	HARRIET AVE	00+89.80	DMH	Rt.

241.12

12 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
HARRIET AVE	DMH	00+89.80	Rt.	43	HARRIET AVE	01+25.10	TYPE 1	Rt.
HARRIET AVE	TYPE 1	00+89.90	Rt.	4	HARRIET AVE	00+89.80	DMH	Rt.
HARRIET AVE	DMH	00+89.80	Rt.	39	HARRIET AVE	00+89.10	TYPE CF	Lt.
TRAPELO RD	GI	71+90.20	Lt.	16	TRAPELO RD	71+71.15	DMH	Lt.
TRAPELO RD	DMH	71+71.15	Lt.	38	TRAPELO RD	71+46.90	DMH	Lt.
TRAPELO RD	DMH	73+83.70	Rt.	7	TRAPELO RD	73+88.70	TYPE 1	Rt.
TRAPELO RD	TYPE 1	73+37.70	Rt.	9	TRAPELO RD	73+49.50	DMH	Rt.
TRAPELO RD	DMH	74+46.40	Lt.	3	TRAPELO RD	74+51.90	TYPE 1	Lt.
TRAPELO RD	DMH	77+82.70	Lt.	2	TRAPELO RD	77+88.40	TYPE 1	Lt.
TRAPELO RD	DMH	80+51.50	Lt.	2	TRAPELO RD	80+57.50	TYPE 1	Lt.
TRAPELO RD	DMH	76+06.70	Rt.	2	TRAPELO RD	76+06.73	TYPE 1	Rt.
TRAPELO RD	DMH	78+29.10	Rt.	8	TRAPELO RD	78+45.60	TYPE 3	Rt.
TRAPELO RD	DMH	81+54.40	Rt.	6	TRAPELO RD	81+54.40	TYPE 3	Rt.
TRAPELO RD	DMH	84+27.80	Rt.	48	TRAPELO RD	84+78.50	TYPE 1	Rt.
TRAPELO RD	TYPE 1	84+17.70	Rt.	15	TRAPELO RD	84+29.25	DMH	Rt.
TRAPELO RD	DMH	87+47.80	Lt.	4	TRAPELO RD	87+54.30	TYPE 1	Lt.
TRAPELO RD	TYPE 3	87+37.70	Lt.	20	TRAPELO RD	87+60.90	DMH	Lt.
TRAPELO RD	DMH	87+14.60	Lt.	53	TRAPELO RD	87+51.60	TYPE 1	Lt.
TRAPELO RD	DMH	88+12.50	Lt.	26	TRAPELO RD	88+40.70	GI	Lt.
COMMON ST S	DMH	01+25.08	Lt.	79	COMMON ST S	00+44.40	DMH	Lt.
TRAPELO RD	TYPE 1	88+71.40	Rt.	42	TRAPELO RD	88+24.80	DMH	Rt.
TRAPELO RD	DMH	90+40.60	Lt.	13	TRAPELO RD	90+48.20	TYPE 1	Lt.
TRAPELO RD	DMH	93+17.09	Lt.	31	TRAPELO RD	93+48.20	TYPE 1	Lt.
TRAPELO RD	TYPE 1	92+85.00	Lt.	23	TRAPELO RD	93+13.30	DMH	Lt.
TRAPELO RD	DMH	93+22.60	Rt.	30	TRAPELO RD	92+89.10	GI	Rt.
TRAPELO RD	GI	93+29.10	Rt.	3	TRAPELO RD	93+22.60	DMH	Rt.
TRAPELO RD	TYPE 3	99+70.80	Lt.	35	TRAPELO RD	100+12.22	DMH	Lt.
TRAPELO RD	TYPE 3	99+74.10	Rt.	39	TRAPELO RD	100+15.50	DMH	Rt.
TRAPELO RD	TYPE 1	102+30.70	Rt.	18	TRAPELO RD	102+50.91	DMH	Rt.
TRAPELO RD	TYPE 1	104+29.30	Lt.	4	TRAPELO RD	104+30.80	DMH	Lt.
TRAPELO RD	TYPE 1	105+37.30	Rt.	3	TRAPELO RD	105+37.30	DMH	Rt.
BELMONT RD	TYPE 1	107+15.40	Rt.	2	BELMONT RD	107+19.70	DMH 9-14	Rt.
BELMONT RD	TYPE 1	110+12.90	Rt.	7	BELMONT RD	110+16.80	DMH	Rt.
BELMONT RD	TYPE 1	113+46.60	Rt.	82	BELMONT RD	114+37.10	DMH	Rt.
BELMONT RD	TYPE 1	107+40.90	Lt.	2	BELMONT RD	107+43.70	DMH	Lt.
BELMONT RD	DMH	107+43.70	Lt.	280	BELMONT RD	110+27.00	DMH	Lt.
BELMONT RD	DMH	110+27.00	Lt.	2	BELMONT RD	110+25.00	TYPE 1	Lt.
BELMONT RD	DMH	110+27.00	Lt.	226	BELMONT RD	112+65.20	DMH	Lt.
BELMONT RD	TYPE 1	112+55.10	Lt.	5	BELMONT RD	112+65.20	DMH	Lt.
BELMONT RD	DMH	112+65.20	Lt.	63	BELMONT RD	113+25.05	DMH	Lt.
BELMONT RD	GI	114+87.90	Lt.	18	BELMONT RD	115+08.80	TYPE 1	Lt.
BELMONT RD	TYPE 1	115+08.80	Lt.	23	BELMONT RD	115+39.60	DMH	Lt.
BELMONT RD	DMH	115+39.60	Lt.	2	BELMONT RD	115+41.70	DMH	Lt.
BELMONT RD	TYPE 1	115+16.10	Lt.	32	BELMONT RD	115+39.60	DMH	Lt.
BELMONT RD	DMH	115+39.60	Lt.	14	BELMONT RD	115+46.00	TYPE 1	Lt.
BELMONT RD	TYPE 1	117+03.90	Lt.	37	BELMONT RD	117+28.20	DMH	Lt.
BELMONT RD	DMH	117+28.20	Lt.	24	BELMONT RD	117+44.90	DMH	Lt.
BELMONT RD	TYPE 1	117+37.50	Lt.	5	BELMONT RD	117+28.20	DMH	Lt.
BELMONT RD	TYPE 1	117+56.40	Lt.	46	BELMONT RD	118+02.80	DMH	Lt.
BELMONT RD	DMH	119+30.50	Lt.	35	BELMONT RD	118+90.80	TYPE 1	Lt.
BELMONT RD	TYPE 1	119+18.10	Lt.	30	BELMONT RD	119+30.50	DMH	Lt.
BELMONT RD	DMH	119+30.50	Lt.	27	BELMONT RD	119+44.00	TYPE 1	Lt.
BELMONT RD	TYPE 1	118+66.90	Rt.	30	BELMONT RD	119+01.90	DMH	Rt.
BELMONT RD	DMH	119+01.90	Rt.	10	BELMONT RD	119+07.40	DMH	Rt.
BELMONT RD	TYPE 1	118+95.00	Rt.	21	BELMONT RD	119+01.90	DMH	Rt.
BELMONT RD	DMH	119+01.90	Rt.	26	BELMONT RD	119+18.50	TYPE 1	Rt.
BELMONT RD	TYPE 1	119+77.20	Rt.	6	BELMONT RD	119+87.20	DMH	Rt.
BELMONT RD	TYPE 1	120+54.80	Rt.	32	BELMONT RD	120+48.80	DMH	Rt.
BELMONT RD	DMH	120+48.80	Rt.	34	BELMONT RD	120+69.50	DMH	Rt.
BELMONT RD	TYPE 1	120+66.30	Rt.	13	BELMONT RD	120+48.80	DMH	Rt.
BELMONT RD	TYPE 1	121+49.80	Rt.	4	BELMONT RD	121+54.20	DMH 9-14	Rt.
NEWTON ST	TYPE 1	00+72.20	Lt.	18	NEWTON ST	00+49.80	DMH	Lt.
NEWTON ST	DMH	00+49.80	Lt.	15	NEWTON ST	00+49.70	TYPE 1	Rt.
BELMONT RD	DMH	123+61.90	Lt.	21	NEWTON ST	00+49.80	DMH	Lt.
BELMONT RD	TYPE 1	123+29.70	Lt.	30	BELMONT RD	123+61.90	DMH	Lt.
WORCESTER ST	DMH	00+34.90	Lt.	17	BELMONT RD	125+44.20	TYPE 1	Lt.

241.12

12 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
WORCESTER ST	TYPE 1	00+66.70	Lt.	28	WORCESTER ST	00+34.90	DMH	Lt.
WORCESTER ST	DMH	00+31.90	Lt.	21	WORCESTER ST	00+56.20	TYPE 1	Lt.
BELMONT RD	DMH	127+58.90	Lt.	12	BELMONT RD	127+54.30	DMH	Lt.
BELMONT RD	DMH	127+54.30	Lt.	11	BELMONT RD	127+38.20	TYPE 1	Lt.
BELMONT RD	TYPE 1	127+47.00	Lt.	26	BELMONT RD	127+54.30	DMH	Lt.
BELMONT RD	DMH	127+54.30	Lt.	25	BELMONT RD	127+72.60	TYPE 1	Lt.
BELMONT RD	DMH	128+50.50	Lt.	30	BELMONT RD	128+43.30	TYPE 1	Lt.
BELMONT RD	DMH	132+31.30	Lt.	11	BELMONT RD	132+27.00	TYPE 1	Lt.
BELMONT RD	DMH	134+87.30	Lt.	64	BELMONT RD	134+21.30	TYPE 1	Lt.
BELMONT RD	DMH	138+10.70	Lt.	16	BELMONT RD	137+98.40	TYPE 1	Lt.
BELMONT RD	DMH	140+73.90	Lt.	28	BELMONT RD	140+49.60	TYPE 1	Lt.
BELMONT RD	DMH	140+73.90	Lt.	193	BELMONT RD	142+75.70	DMH	Lt.
BELMONT RD	DMH	142+75.70	Lt.	13	BELMONT RD	142+84.90	TYPE 1	Lt.
BELMONT RD	DMH	142+75.70	Lt.	50	BELMONT RD	143+30.50	DMH	Lt.
BELMONT RD	DMH	143+30.50	Lt.	114	BELMONT RD	144+51.40	DMH	Lt.
BELMONT RD	DMH	144+51.40	Lt.	121	BELMONT RD	145+78.00	TYPE 1	Lt.
BELMONT RD	TYPE 1	124+36.00	Rt.	20	BELMONT RD	124+32.40	DMH	Rt.
BELMONT RD	TYPE 1	125+80.40	Rt.	1	BELMONT RD	125+76.20	DMH	Rt.
BELMONT RD	TYPE 1	128+19.40	Rt.	28	BELMONT RD	128+51.10	DMH	Rt.
BELMONT RD	DMH	128+41.02	Rt.	11	BELMONT RD	128+56.70	DMH	Rt.
BELMONT RD	DMH	128+56.70	Rt.	6	BELMONT RD	128+68.60	TYPE 1	Rt.
TEMPLETON PRK	TYPE 1	01+05.60	Rt.	2	TEMPLETON PRK	01+03.04	DMH	Rt.
TEMPLETON PRK	TYPE 1	01+39.20	Lt.	45	TEMPLETON PRK	00+91.50	DMH	Lt.
ARLINGTON ST	TYPE 1	01+75.00	Rt.	31	ARLINGTON ST	01+50.40	DMH	Rt.
BELMONT RD	TYPE 1	139+93.80	Rt.	10	BELMONT RD	140+05.10	DMH	Rt.
BELMONT RD	TYPE 3	140+85.40	Rt.	5	BELMONT RD	140+94.10	DMH	Rt.
BELMONT RD	DMH	141+73.10	Rt.	24	BELMONT RD	141+75.54	DMH	Rt.
BELMONT RD	GI	145+88.70	Rt.	2	BELMONT RD	145+93.80	DMH	Rt.

TOTAL 4733 LF

SAY	4,740	LF
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241.15

15 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	DMH	28+70.90	Rt.	162	TRAPELO RD	30+36.80	DMH	Rt.
TRAPELO RD	DMH	55+95.50	Rt.	117	TRAPELO RD	57+19.10	DMH	Rt.
TRAPELO RD	DMH	57+19.10	Rt.	134	TRAPELO RD	58+61.60	DMH	Rt.
TRAPELO RD	DMH	87+33.50	Lt.	24	TRAPELO RD	87+47.80	DMH	Lt.
TRAPELO RD	DMH	87+80.05	Lt.	40	TRAPELO RD	88+02.80	DMH	Lt.
TRAPELO RD	DMH	88+24.80	Rt.	57	TRAPELO RD	87+80.05	DMH	Lt.
BELMONT ST	DMH	117+44.90	Lt.	184	BELMONT ST	119+34.10	DMH	Lt.
BELMONT ST	DMH	119+34.10	Lt.	2	BELMONT ST	119+30.50	DMH	Lt.

TOTAL 720 LF

SAY	720	LF
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241.18

18 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
MILL ST	DMH	01+14.30	Rt.	10.0	MILL ST	01+16.20	TYPE BF	Rt.
MILL ST	DMH	01+14.30	Rt.	31.0	MILL ST	01+09.50	DMH	Rt.
TRAPELO RD	DMH	30+36.80	Rt.	148.0	TRAPELO RD	31+89.60	DMH	Rt.
TRAPELO RD	DMH	31+89.60	Rt.	151.0	TRAPELO RD	33+48.60	DMH	Rt.
TRAPELO RD	DMH	33+48.60	Rt.	116.0	LEXINGTON ST	00+82.80	DMH	Lt.
LEXINGTON ST	DMH	00+82.80	Lt.	109.0	LEXINGTON ST	01+73.80	DMH	Lt.
CHURCH ST	DMH	00+99.00	Rt.	69.0	TRAPELO RD	38+09.28	DMH	Rt.
TRAPELO RD	DMH	38+09.28	Rt.	133.0	TRAPELO RD	39+45.80	DMH	Rt.
TRAPELO RD	DMH	48+41.70	Lt.	19.0	TRAPELO RD	48+49.60	DMH	Lt.
BELMONT ST	DMH	119+34.10	Lt.	155.0	BELMONT ST	120+94.55	DMH	Lt.
BELMONT ST	DMH	125+66.00	Lt.	6.0	BELMONT ST	125+65.70	DMH	Lt.

TOTAL 947 LF

SAY	950	LF
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241.21

21 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	DMH	39+45.80	Lt.	167.0	TRAPELO RD	41+12.49	DMH	Lt.
TRAPELO RD	DMH	58+61.60	Rt.	218.0	TRAPELO RD	60+87.00	DMH	Rt.
BELMONT ST	DMH	123+61.90	Lt.	202.0	BELMONT ST	125+66.00	DMH	Lt.
BELMONT ST	DMH	125+66.00	Lt.	203.0	BELMONT ST	127+58.90	DMH	Lt.

TOTAL 790 LF

SAY	790	LF
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241.24

24 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	DMH	60+87.00	Rt.	206.0	TRAPELO RD	62+97.30	DMH	Rt.
TRAPELO RD	DMH	62+97.30	Rt.	83.0	TRAPELO RD	63+83.15	DMH	Rt.
TRAPELO RD	DMH	87+80.05	Lt.	257.0	TRAPELO RD	90+40.60	DMH	Lt.
TRAPELO RD	DMH	90+40.60	Lt.	275.0	TRAPELO RD	93+17.09	DMH	Lt.
BELMONT ST	DMH	127+58.80	Lt.	104.0	BELMONT ST	128+50.50	DMH	Lt.
BELMONT ST	DMH	128+50.50	Lt.	199.0	BELMONT ST	130+77.30	DMH	Lt.
BELMONT ST	DMH	130+77.30	Lt.	12.0	BELMONT ST	130+94.60	DMH	Lt.
BELMONT ST	DMH	130+94.60	Lt.	132.0	BELMONT ST	132+31.30	DMH	Lt.
BELMONT ST	DMH	132+31.30	Lt.	251.0	BELMONT ST	134+87.30	DMH	Lt.
BELMONT ST	DMH	134+87.30	Lt.	320.0	BELMONT ST	138+10.70	DMH	Lt.
BELMONT ST	DMH	138+10.70	Lt.	263.0	BELMONT ST	140+73.90	DMH	Lt.
BELMONT ST	DMH	140+73.90	Lt.	243.0	OXFORD ST	02+60.50	DMH	Lt.
OXFORD RO	DMH	02+60.50	Lt.	238.0	OXFORD ST	05+03.20	DMH	Lt.

TOTAL 2583 LF

SAY	<u>2,585</u>	LF
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241.27

27 INCH REINFORCED CONCRETE PIPE

LF

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM STATION</u>	<u>SIDE</u>	<u>(LF) LENGTH</u>	<u>STREET</u>	<u>TO STATION</u>	<u>FROM STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	DMH	68+25.17	Rt.	220.0	TRAPELO RD	70+46.15	DMH	Rt.
TRAPELO RD	DMH	70+46.15	Rt.	80.0	TRAPELO RD	71+26.90	DMH	Rt.
TRAPELO RD	DMH	71+26.90	Rt.	38.0	TRAPELO RD	71+65.10	DMH	Rt.
TRAPELO RD	DMH	71+65.10	Rt.	170.0	TRAPELO RD	73+31.75	DMH	Rt.
TRAPELO RD	DMH	73+31.75	Rt.	50.0	TRAPELO RD	73+81.30	DMH	Rt.
TRAPELO RD	DMH	73+81.30	Rt.	172.0	TRAPELO RD	75+52.80	DMH	Rt.
TRAPELO RD	DMH	75+52.80	Rt.	52.0	TRAPELO RD	76+06.70	DMH	Rt.
TRAPELO RD	DMH	76+06.70	Rt.	161.0	TRAPELO RD	77+69.50	DMH	Rt.
TRAPELO RD	DMH	77+69.50	Rt.	58.0	TRAPELO RD	78+29.10	DMH	Rt.
TRAPELO RD	DMH	78+29.10	Rt.	323.0	TRAPELO RD	81+54.40	DMH	Rt.
TRAPELO RD	DMH	81+54.40	Rt.	270.0	TRAPELO RD	84+27.80	DMH	Rt.
TRAPELO RD	DMH	84+27.80	Rt.	37.0	TRAPELO RD	84+29.00	DMH	Lt.
TRAPELO RD	DMH	84+29.00	Lt.	219.0	TRAPELO RD	86+47.30	DMH	Lt.
TRAPELO RD	DMH	86+47.30	Lt.	65.0	TRAPELO RD	87+14.60	DMH	Lt.
TRAPELO RD	DMH	87+14.60	Lt.	17.0	TRAPELO RD	87+33.50	DMH	Lt.
TRAPELO RD	DMH	87+33.50	Lt.	27.0	TRAPELO RD	87+80.05	DMH	Lt.

TOTAL 1959 LF

SAY	<u>1,960</u>	LF
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242.12

12 INCH REINFORCED CONCRETE
PIPE FLARED END

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO ROAD	19+31.00	Lt.	1	
TRAPELO ROAD	19+43.00	Lt.	1	
		TOTAL	2	EA
SAY				2 EA

269.08

**8 INCH SLOT-PERFORATED CORRUGATED
PLASTIC PIPE (SUBDRAIN)**

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO ROAD	21+38.80	23+54.50	212.0
	TOTAL		212 LF
	SAY		215 LF

302.06

6 INCH DUCTILE IRON WATER PIPE
(RUBBER GASKET)

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u>
	<u>START</u>	<u>END</u>		<u>LENGTH</u>
PLEASANT ST	01+00.00	01+30.00	Rt.	30.0
TRAPELO RD	47+58.10	47+72.00	Rt.	17.0
TRAPELO RD.	47+82.90	48+00.90	Lt.	22.0
TRAPELO RD	48+22.00	48+36.30	Rt.	17.0
TRAPELO RD.	75+98.70	76+14.70	Rt.	19.0
TRAPELO RD	77+78.50	77+98.30	Lt.	25.0
TRAPELO RD	80+48.80	80+66.70	Lt.	22.0
TRAPELO RD	105+46.30	105+46.60	Lt.	6.0
BELMONT ST	108+73.60	108+73.60	Rt.	5.0
BELMONT ST	111+24.40	111+24.40	Rt.	6.0
BELMONT ST	127+61.10	127+76.80	Lt.	20.0
BELMONT ST	127+73.50	127+74.20	Lt.	12.0
BELMONT ST	129+01.50	129+10.80	Lt.	10.0
TEMPLETON PKWY	01+31.20	01+47.20	Rt.	22.0
BELMONT ST	139+53.50	139+53.50	Rt.	5.0
BELMONT ST	143+08.50	143+18.80	Rt.	10.0
TOTAL				248.0 LF

SAY	250	LF
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302.08

8 INCH DUCTILE IRON WATER PIPE
(RUBBER GASKET)

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
TRAPELO RD	<u>START</u> 127+61.10	<u>END</u> 127+76.80	<u>Lt.</u>	20

SUBTOTAL	20	EA
CONTINGENCY	100	EA
TOTAL	120.0	LF

SAY	120	LF
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302.10

10 INCH DUCTILE IRON WATER PIPE
(RUBBER GASKET)

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u>
	<u>START</u>	<u>END</u>		<u>LENGTH</u>
CHURCH ST.	00+97.60	01+12.60	Rt.	18
TRAPELO RD.	71+28.30	71+29.80	Rt.	22.0
HARRIET AVE.	01+19.10	01+28.90	Rt.	21.0
TRAPELO RD.	77+78.50	77+98.30	Lt.	22
TRAPELO RD.	80+48.80	80+66.70	Lt.	22
BELMONT RD.	107+06.00	107+24.00	Rt.	22

SUBTOTAL	18	EA
CONTINGENCY	<u>100</u>	EA
TOTAL	<u>118.0</u>	LF

SAY	120	LF
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302.12

12 INCH DUCTILE IRON WATER PIPE
(RUBBER GASKET)

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>	
	<u>START</u>	<u>END</u>	<u>LENGTH</u>	
TRAPELO RD	00+00.00	00+00.00	100.0	CONTINGENCY
TOTAL			100.0	LF
SAY		100	LF	

309.

DUCTILE IRON FITTINGS FOR WATER PIPE

LB

STREET	STA	STA	SIDE	TYPE	QTY	PIPE SIZE	WEIGHT	TOTAL WEIGHT
CHURCH ST.	00+97.60	01+12.60	Rt.	45 BEND	4	10	155	620
TRAPELO RD.	47+58.10	47+72.00	Rt.	45 BEND	4	6	75	300
TRAPELO RD.	47+82.90	48+00.90	Lt.	45 BEND	4	6	75	300
TRAPELO RD.	48+22.00	48+36.30	Rt.	45 BEND	4	6	75	300
HARRIET AVE.	01+19.10	01+28.90	Rt.	45 BEND	4	10	155	620
TRAPELO RD.	71+28.30	71+29.80	Rt.	45 BEND	4	10	155	620
TRAPELO RD.	75+98.70	76+14.70	Rt.	45 BEND	4	6	75	300
TRAPELO RD.	77+78.50	77+98.30	Lt.	45 BEND	4	10	155	620
TRAPELO RD.	80+48.80	80+66.70	Lt.	45 BEND	4	10	155	620
BELMONT RD.	107+06.00	107+24.00	Rt.	45 BEND	4	10	155	620
BELMONT RD.	127+61.10	127+76.80	Lt.	45 BEND	4	8	110	440
TEMPLETON PKWY	01+31.20	01+47.20	Rt.	45 BEND	4	6	75	300
SUBTOTAL							5660.00	LB
ASSUME 20% CONTINGENCY							1132	
TOTAL							6792.00	LB
SAY							6,800	LB

347.075

3/4 INCH COPPER TUBING TYPE K

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>	<u>LENGTH</u>
			200

TOTAL 200.0 LF

SAY	200	LF
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347.1

1 INCH COPPER TUBING TYPE K

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>	<u>LENGTH</u>
			20
		<u>TOTAL</u>	<u>20.0</u> LF
	<u>SAY</u>	<u>20</u>	<u>LF</u>

350.06

6 INCH GATE AND GATE BOX

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD	01+03.40	Rt.	1	
BELMONT ST	108+73.70	Rt.	1	
BELMONT ST	111+24.50	Rt.	1	
CONTINGENCY			2	
		TOTAL	<u>5</u>	EA
		SAY	<u>5</u>	<u>EA</u>

354.12

**12 INCH AND UNDER GATE BOX
REMOVED & RESET**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
CONTINGENCY			2	
		TOTAL	2	EA
		SAY	2	EA

357.12

12 INCH GATE BOX

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD	00+00.00		0	
		SUBTOTAL	0	EA
		CONTINGENCY	2	EA
		TOTAL	2	EA
		SAY	2	EA

358.

GATE BOX ADJUSTED

EA

<u>STREET</u>	<u>STATION</u>		<u>ROAD</u> <u>QTY.</u>	<u>OFFROAD</u> <u>QTY.</u>
	<u>START</u>	<u>END</u>		
TRAPELO RD	16+66.08	22+00.00	4	
MILL ST	00+00.00	4+00.00	3	
TRAPELO RD	22+00.00	27+50.00	3	
TRAPELO RD	27+50.00	33+50.00	12	
PLEASANT ST	00+00.00	01+50.00	4	
LEXINGTON ST	00+00.00	4+60.00	2	
TRAPELO RD	33+50.00	39+00.00	15	
CHURCH ST	00+00.00	04+00.00	2	
TRAPELO RD	39+00.00	44+00.00	14	1
TRAPELO RD	44+00.00	50+00.00	16	2
TRAPELO RD	50+00.00	55+50.00	9	2
TRAPELO RD	55+50.00	61+00.0	10	2
BEECH ST (S)	00+00.00	01+50.00	1	
BEECH ST (N)	00+00.00	01+00.00	3	
TRAPELO RD	61+00.00	67+50.00	14	
TRAPELO RD	67+50.00	73+00.00	6	
SLADE ST			0	
BARTLETT AVE			3	
HARRIET AVE	00+00.00	01+75.00	2	
TRAPELO RD	73+00.00	79+00.00	14	
TRAPELO RD	79+00.00	85+00.00	6	
TRAPELO RD	85+00.00	91+00.00	9	
COMMON ST (N)	0+00.00	05+60.00	13	
COMMON ST (S)	0+00.00	04+00.00	8	
CUSHING AVE			2	
TRAPELO RD	91+00.00	96+00.00	8	
TRAPELO RD	96+00.00	102+00.00	12	
BELMONT ST	102+00.00	108+00.00	7	
BELMONT ST	108+00.00	113+00.00	5	
BELMONT ST	113+00.00	118+00.00	11	
BELMONT ST	118+00.00	123+00.00	15	
BELMONT ST	123+00.00	129+00.00	22	
BELMONT ST	129+00.00	134+00.00	8	
BELMONT ST	134+00.00	140+00.00	16	1
GROVE ST			1	
TEMPLETON PKWY	00+00.00	02+50.00	0	1
ARLINGTON ST	00+00.00	03+30.00	2	
BELMONT ST	140+00.00	145+00.00	10	1
BELMONT ST	145+00.00	147+14.55	5	

TOTAL **297** **10**

ADJUST DOWN BEFORE MILLING 297
ADJUST UP BEFORE FINISH SURFACE 297 10

TOTAL 604

SAY **605**

376.2

HYDRANT - REMOVED & RESET

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
PLEASANT ST	01+30.00	Rt.	1
BELMONT ST	108+73.70	Rt.	1
BELMONT ST	111+24.50	Rt.	1
BELMONT ST	127+73.40	Lt.	1
BELMONT ST	129+00.50	Lt.	1
BELMONT ST	139+53.60	Rt.	1
BELMONT ST	143+08.50	Lt.	1

TOTAL 7 EA

SAY	7	EA
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376.5

HYDRANT ADJUSTED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD	00+00.00	Lt.	2	CONTINGENCY
TOTAL			2	EA
SAY		2	EA	

381.1

SERVICE BOX REMOVE AND RESET

EA

STREET STA. SIDE QTY.

SUBTOTAL 0 EA

FOR ESTIMATE PURPOSES 2 EA

TOTAL 2 EA

SAY	2	EA
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381.3

SERVICE BOX ADJUSTED

EA

<u>STREET</u>	<u>STATION</u>		<u>QTY.</u>
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>	
			2
	TOTAL:		2 EA
	SAY		2 EA

384.2

CURB STOP ADJUSTED

EA

<u>STREET</u>	<u>STATION</u>		<u>QTY.</u>
	<u>START</u>	<u>END</u>	
TRAPELO RD	16+66.08	22+00.00	1
MILL ST	00+00.00	4+00.00	1
TRAPELO RD	22+00.00	27+50.00	6
TRAPELO RD	27+50.00	33+50.00	3
PLEASANT ST	00+00.00	01+50.00	0
LEXINGTON ST	00+00.00	4+60.00	4
TRAPELO RD	33+50.00	39+00.00	6
CHURCH ST	00+00.00	04+00.00	6
TRAPELO RD	39+00.00	44+00.00	5
TRAPELO RD	44+00.00	50+00.00	10
TRAPELO RD	50+00.00	55+50.00	13
TRAPELO RD	55+50.00	61+00.0	10
BEECH ST (S)	00+00.00	01+50.00	3
BEECH ST (N)	00+00.00	01+00.00	1
TRAPELO RD	61+00.00	67+50.00	4
TRAPELO RD	67+50.00	73+00.00	7
SLADE ST			1
BARTLETT AVE			1
HARRIET AVE	00+00.00	01+75.00	2
TRAPELO RD	73+00.00	79+00.00	6
TRAPELO RD	79+00.00	85+00.00	6
TRAPELO RD	85+00.00	91+00.00	9
COMMON ST (N)	0+00.00	05+60.00	3
COMMON ST (S)	0+00.00	04+00.00	3
CUSHING AVE			2
TRAPELO RD	91+00.00	96+00.00	12
TRAPELO RD	96+00.00	102+00.00	5
BELMONT ST	102+00.00	108+00.00	3
BELMONT ST	108+00.00	113+00.00	7
BELMONT ST	113+00.00	118+00.00	3
BELMONT ST	118+00.00	123+00.00	5
BELMONT ST	123+00.00	129+00.00	5
BELMONT ST	129+00.00	134+00.00	6
BELMONT ST	134+00.00	140+00.00	4
GROVE ST			0
TEMPLETON PKWY	00+00.00	02+50.00	0
ARLINGTON ST	00+00.00	03+30.00	1
BELMONT ST	140+00.00	145+00.00	7
BELMONT ST	145+00.00	147+14.55	4
TOTAL			175
SAY			175

390.1

SPRINKLER SYSTEM PIPE

FT

STATION			
STREET	START	END	QTY.
TRAPELO ROAD			

SUBTOTAL 0
CONTINGENCY 100

TOTAL 100

SAY	100
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402.

**DENSE GRADED CRUSHED
STONE FOR SUB-BASE**

CY

A. FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK	72,292.0	SF
DEPTH	0.333333333	FT
SUBTOTAL	<u>24097.3</u>	CF
TOTAL	<u>24097.3</u>	CF
CONVERSION FACTOR	27.00	CF/CY
TOTAL	<u>892</u>	CY
SAY	<u>900</u>	<u>CY</u>

Area calculations located in back of book on pavement area summary page

415.

MICRO MILLING

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

<u>Depth</u>	(SF) <u>AREA</u>
2.25in - 3.5 in	1684.0
2.25 in	736945.0
1.75in - 2.25in	1470.0
1.75 in	50,361
0.5in -1.75 in	33,254
1.0 in	65,113
0.5 in	89,047
0.0in - 1.0in	72,963

SUBTOTAL 1,050,837 SF

CONVERSION FACTOR 9.00 SF/SY

TOTAL 116,760 SY

SAY	<u>116,800</u>	SY
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Area calculations located in back of book on pavement area summary page

431.1

HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE

CY

A. FULL DEPTH CONSTRUCTION LESS THAN 4 FEET:

ROADWAY AREA	1,725	CF
TOTAL AREA	<u>1,725</u>	CF
CONVERSION FACTOR	27.00	CF/CY
TOTAL	<u>64</u>	CY
SAY	<u>65</u>	CY

Volume calculations located in back of book on pavement area summary page

440.

CALCIUM CHLORIDE
FOR ROADWAY DUST CONTROL

LB

ASSUME TWO APPLICATIONS UPON ALL FULL DEPTH PAVEMENT AND SIDEWALK RECONSTRUCTION AREAS

APPLICATION RATE = 0.111 LB/SF

A. FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK 72,292 SF

B. FROM CEMENT CONCRETE AREAS:

AREA OF WORK 31,179 SF

SUBTOTAL 31,179 SF

x2 APPLICATIONS 2
TOTAL AREA **62,358** SF

MULTIPLY BY CONVERSION FACTOR 0.11 LB/SF

TOTAL 6,922 LB

SAY **7,000** **LB**

Area calculations located in back of book on pavement and sidewalk area summary pages

443.

WATER FOR ROADWAY DUST CONTROL

MGL

ASSUME TWO APPLICATIONS UPON ALL FULL DEPTH PAVEMENT AND SIDEWALK RECONSTRUCTION AREAS

APPLICATION RATE = .11GL/SF

A. FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK 72,292 SF

B. FROM CEMENT CONCRETE AREAS:

AREA OF WORK 31,179 SF

SUBTOTAL 31,179 SF

x2 APPLICATIONS 2

TOTAL AREA 62,358 SF

MULTIPLY BY CONVERSION FACTOR 0.11 GL/SF

TOTAL 7 MGL

SAY	7	MGL
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450.90

CONTRACTOR QUALITY CONTROL

TON

A. FROM ITEM 455.23 SUPERPAVE SURFACE COURSE	9,145	TON
B. FROM ITEM 455.32 SUPERPAVE INTERMEDIATE COURSE	8,968	TON
C. FROM ITEM 455.42 SUPERPAVE BASE COURSE	<u>2,024</u>	TON
SUBTOTAL (HIGHWAY QUANTITY)	20,137	TON
TOTAL	<u>20,137</u>	TON

SAY	20,150	TON
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451.

HMA FOR PATCHING

TON

LENGTH OF PROJECT	12990	FT
AVERAGE WIDTH OF ROAD	50	FT
TOTAL AREA OF ROADWAY	649500	SF
10% OF ROAD NEEDS PATCHING	64950	SF
SUBTOTAL	64,950	SF
DEPTH	1.67	FT
VOLUME	108,250	CF
CONVERSION FACTOR	0.075	TON/CF
TOTAL	8,119	TON
SAY	8,150	TON

453

HMA JOINT SEALAND

FT

FOR COLD JOINTS IN THE TOP COURSE:

LENGTH OF CURB ALONG ROAD	31366.3	FT
AT ASPHALT PAVEMENT SAW CUTS	83,200	LF
AT CEMENT CONCRETE SAW CUTS	2,150	LF
CATCHBASIN FRAMES	204 EA 3 SIDES 2 FT PER SIDE	1224 LF
MANHOLE FRAMES	274 EA 6.28 PERIMETER OF CIRCLE	1720.72 LF
SUBTOTAL	2944.72	LF
INBETWEEN PAVEMENT COURSES ALONG ROADWAY		
A. TRAPELO AND BELMONT STREET	13040	LF
Assuming roadway width is 60ft± and pavement courses are 10ft± wide	5	COLD JOINTS
SUBTOTAL	65,200.0	LF
B. MILL STREET	370	LF
Assuming roadway width is 40ft± and pavement courses are 10ft± wide	3	COLD JOINTS
SUBTOTAL	1,110.0	LF
C. COMMON STREET N	520	LF
Assuming roadway width is 60ft± and pavement courses are 10ft± wide	5	COLD JOINTS
SUBTOTAL	2,600.0	LF
D. COMMON STREET S	380	LF
Assuming roadway width is 40ft± and pavement courses are 10ft± wide	3	COLD JOINTS
SUBTOTAL	1,140.0	LF
E. CHURCH & LEXINGTON STREET	980	LF
Assuming roadway width is 40ft± and pavement courses are 10ft± wide	3	COLD JOINTS
SUBTOTAL	2,940.0	LF
F. SCHOOL STREET SOUTH	470	LF
Assuming roadway width is 20ft± and pavement courses are 10ft± wide	1	COLD JOINTS
SUBTOTAL	470.0	LF
G. GROVE STREET	185	LF
Assuming roadway width is 30ft± and pavement courses are 10ft± wide	2	COLD JOINTS

	SUBTOTAL	370.0	LF
H. TEMPLETON PARKWAY		200	LF
Assuming roadway width is 20ft± and pavement courses are 10ft± wide		1	COLD JOINTS
	SUBTOTAL	200.0	LF
I. ARLINGTON STREET		300	LF
Assuming roadway width is 30ft± and pavement courses are 10ft± wide		2	COLD JOINTS
	SUBTOTAL	600.0	LF
J. OTHER SIDE STREETS		2240	LF
Assuming roadway width is 30ft± and pavement courses are 10ft± wide		2	COLD JOINTS
Assuming average pavement overlay of side streets is 40ft±			
	SUBTOTAL	4,480.0	LF
	TOTAL	198,771.0	LF
	SAY	198,800	LF

454.5

HMA LATEX POLYMER MODIFIED

TON

A. HOT MIXED ASPHALT

TOTAL 9,150 TON

B. HOT MIXED ASPHALT DENSE BINDER

TOTAL 9,000 TON

TOTAL 18,150 TON

SAY	18,150	TON
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Area calculations located in back of book on pavement area summary page

455.23

SUPERPAVE SURFACE COURSE 12.5 (SSC-12.5)

TON

FOR THE TOP COURSE

A. FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK 8,032 SY

B. FULL DEPTH PAVEMENT LESS THAN 4 FEET:

AREA OF WORK 262 SY

C. FROM VARIABLE DEPTH PAVEMENT AREAS

AREA OF WORK 5,996 SY

D. TRAPELO & BELMONT STREET PAVEMENT OVERLAY

AREA OF WORK 72,042 SY

E. SIDE STREET PAVEMENT OVERLAY

AREA OF WORK 22,536 SY

SUBTOTAL **108,868** **SY**

DEPTH **1.50** **IN**

VOLUME **163,303** **SY * IN**

CONVERSION FACTOR **0.056** **TON/IN/SY**

TOTAL **9,145** **TON**

SAY	9,150	TON
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Area calculations located in back of book on pavement area summary page

455.31

SUPERPAVE INTERMEDIATE COURSE 12.5 (SIC-12.5)

TON

FOR THE INTERMEDIATE COURSE

A. FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK 8,032 SY

B. TRAPELO & BELMONT STREET PAVEMENT OVERLAY

AREA OF WORK 72,042 SY

SUBTOTAL 80,074 SY

DEPTH 2.00 IN

VOLUME 160,148 SY * IN

CONVERSION FACTOR 0.056 TON/IN/SY

TOTAL 8,968 TON

SAY	9,000	TON
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Area calculations located in back of book on pavement area summary page

455.42

SUPERPAVE BASE COURSE 37.5 (SBC-37.5)

TON

FROM FULL DEPTH PAVEMENT AREAS:

AREA OF WORK	8,032	SY
SUBTOTAL	8,032	SY
DEPTH	4.50	IN
VOLUME	36,146	SY*IN
CONVERSION FACTOR	0.056	TON/IN/SY
TOTAL	2,024	TON
SAY	2,050	TON

Area calculations located in back of book on pavement area summary page

464.

BITUMEN FOR TACK COAT

GAL

FOR APPLICATION AS NECESSARY OVER AREAS OF RESURFACING
ASSUME TWO APPLICATIONS OVER ENTIRE ROADWAY AREA AT 0.00564 GAL/SF
(BETWEEN BASE COURSE AND INTERMEDIATE COURSE AND
BETWEEN INTERMEDIATE COURSE AND SURFACE COURSE)

A. ROADWAY AREA

A. FROM "FULL DEPTH AREAS" WORKSHEET:

AREA	72292.0	SF
x 2 APPLICATIONS	2	
APPLICATION RATE	0.00556	GAL/SF
SUBTOTAL	803.2	GAL

B. TRAPELO AND BELMONT STREET PAVEMENT OVERLAY AREAS

ASSUME ONE APPLICATIONS OVER ENTIRE ROADWAY AREA AT 0.00778 GAL/SF FOR BINDER COURSE

AREA	648375.0	SF
APPLICATION RATE	0.00778	GAL/SF
SUBTOTAL	5042.9	GAL

ASSUME ONE APPLICATIONS OVER ENTIRE ROADWAY AREA AT 0.00556 GAL/SF FOR TOP COURSE

AREA	648375.0	SF
APPLICATION RATE	0.00556	GAL/SF
SUBTOTAL	3602.1	GAL

C. SIDE STREET PAVEMENT OVERLAY AREAS

ASSUME ONE APPLICATIONS OVER ENTIRE ROADWAY AREA AT 0.00778 GAL/SF

AREA	202824.0	SF
APPLICATION RATE	0.00778	GAL/SF
SUBTOTAL	1577.5	GAL

TOTAL 11025.8 GAL

SAY	11,030	GAL
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Area calculations located in back of book on pavement area summary page

472.

**HOT MIX ASPHALT FOR MISCELLANEOUS
WORK**

TON

A. FOR TEMPORARY PAVEMENT OVER DRAINAGE PIPES, IF NECESSARY

	<u>(LF)</u> <u>LENGTH</u>	<u>(LF)</u> <u>WIDTH</u>	<u>(SF)</u> <u>AREA</u>
10 INCH DUCTILE IRON PIPE	119	2.83	337.166865
12 INCH DUCTILE IRON PIPE	10	3.00	30
12 INCH REINFORCED CONCRETE PIPE	4,733	3.00	14199
15 INCH REINFORCED CONCRETE PIPE	720	3.25	2340
18 INCH REINFORCED CONCRETE PIPE	947	3.50	3314.5
21 INCH REINFORCED CONCRETE PIPE	790	3.75	2962.5
24 INCH REINFORCED CONCRETE PIPE	2,583	4.00	10332
27 INCH REINFORCED CONCRETE PIPE	1,959	4.25	8325.75
6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	248	2.50	620
8 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	120	2.65	318
10 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	118	2.83	334.33353
12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)	100	3.00	300
		ASSUMED DEPTH 0.25 LF	
		VOLUME 10853.3	CF

B. FOR TEMPORARY PATCHING AT DRIVEWAYS

ONE PATCH REQ'D PER DRIVEWAY			
AVG. WIDTH	15.0	LF	
AVG. DEPTH	0.25	LF	
AVG. LENGTH	5	LF	
VOLUME	18.8	CF / DRIVEWAY	
NO. OF DRIVEWAYS	191		
VOLUME	3581.3	CF	

C. FOR TEMPORARY WHEELCHAIR RAMPS

NUMBER OF TEMPORARY WHEELCHAIR RAMPS	50.00	EA	
ASSUMED VOLUME PER RAMP	10.50	CF	
VOLUME	525.0	CF	

D. FOR TEMPORARY PAVEMENT OVER TRAFFIC CONTROLS

LENGTH OF TRAFFIC CONTROL CONDUIT	1885.00	FT	
AVERAGE WIDTH	2.00	FT	
AVERAGE DEPTH	0.25	FT	
VOLUME	942.5	CF	

E. FOR PATCHING TEST PITS

VOLUME OF PIT	4.63	SF	
NO. OF PITS	77.0	EA	
VOLUME	356.51	CF	
SUBTOTAL	16258.57	CF	
CONVERSION FACTOR	0.0812	TON/CF	
SUB TOTAL	1320.1961	TON	
TOTAL	1320	TON	
<hr/>			
SAY	1,330	TON	

482.3

SAWING ASPHALT PAVEMENT

LF

A. FROM PAVEMENT AREAS:

BOX WIDENING > 4FT					
<u>STREET</u>	<u>START</u>	<u>END</u>	<u>LENGTH</u>		
MILL STREET	-	-	790	FT	
TRAPELO RD	17+40.00	22+00.00	842	FT	
TRAPELO RD	22+00.00	27+50.00	1243	FT	
TRAPELO RD	27+50.00	33+50.00	766	FT	
TRAPELO RD	33+50.00	39+00.00	348	FT	
CHURCH STREET	-	-	490	FT	
TRAPELO RD	39+00.00	44+00.00	0	FT	
TRAPELO RD	44+00.00	50+00.00	181	FT	
TRAPELO RD	50+00.00	56+00.00	27	FT	
TRAPELO RD	56+00.00	61+00.00	146	FT	
TRAPELO RD	61+00.00	67+00.00	73	FT	
TRAPELO RD	67+00.00	73+00.00	26	FT	
HARRIET AVENUE	-	-	330	FT	
TRAPELO RD	73+00.00	79+00.00	309	FT	
TRAPELO RD	79+00.00	85+00.00	0	FT	
TRAPELO RD	85+00.00	91+00.00	167	FT	
TRAPELO RD	91+00.00	96+00.00	557	FT	
TRAPELO RD	96+00.00	102+00.00	406	FT	
BELMONT ST	102+00.00	108+00.00	1546	FT	
BELMONT ST	108+00.00	113+00.00	2438	FT	
BELMONT ST	113+00.00	118+00.00	448	FT	
BELMONT ST	118+00.00	123+00.00	851	FT	
BELMONT ST	123+00.00	129+00.00	335	FT	
BELMONT ST	129+00.00	134+00.00	170	FT	
BELMONT ST	134+00.00	140+00.00	1072	FT	
			SUB-TOTAL	13,561	FT

BOX WIDENING < 4FT					
<u>STREET</u>	<u>START</u>	<u>END</u>	<u>LENGTH</u>		
BELMONT ST	113+00.00	118+00.00	38	FT	
BELMONT ST	118+00.00	123+00.00	223	FT	
BELMONT ST	123+00.00	129+00.00	184	FT	
BELMONT ST	129+00.00	134+00.00	100	FT	
BELMONT ST	134+00.00	140+00.00	350	FT	
ARLINGTON ST	-	-	54	FT	
BELMONT ST	140+00.00	145+00.00	181	FT	
			SUB-TOTAL	1,130	FT

B. TRENCHING

10" DUCTILE IRON PIPE	119	FT	ITEM 238.10
12" DUCTILE IRON PIPE	10	FT	ITEM 238.12
12" REINFORCED CONCRETE PIPE	4,733	FT	ITEM 241.12
15" REINFORCED CONCRETE PIPE	720	FT	ITEM 241.15
18" REINFORCED CONCRETE PIPE	947	FT	ITEM 241.18
21" REINFORCED CONCRETE PIPE	790	FT	ITEM 241.21
24" REINFORCED CONCRETE PIPE	2,583	FT	ITEM 241.24
27" REINFORCED CONCRETE PIPE	1,959	FT	ITEM 241.27
6" DUCTILE IRON WATER PIPE (RUBBER GASKET)	248	FT	ITEM 302.06
8" DUCTILE IRON WATER PIPE (RUBBER GASKET)	118	FT	ITEM 302.10
10" DUCTILE IRON WATER PIPE (RUBBER GASKET)	100	FT	ITEM 302.12
		SUB-TOTAL	12,327 FT

C. STRUCTURES

CATCH BASIN - MUNICIPAL STANDARD	106	EA	ITEM 201.5
CATCH BASIN - MUNICIPAL STANDARD - TYPE 2	4	EA	ITEM 201.52
CATCH BASIN - MUNICIPAL STANDARD - TYPE 3	10	EA	ITEM 201.53
CATCH BASIN - MUNICIPAL STANDARD - TYPE 4	2	EA	ITEM 201.54

A. FROM PAVEMENT AREAS:

MANHOLE - MUNICIPAL STANDARD	81	EA	ITEM 202.01
MANHOLE (9 TO 14 FOOT DEPTH) - MUNICIPAL STANDARD	9	EA	ITEM 202.21
SPECIAL MANHOLE	1	EA	ITEM 203
GUTTER INLET	15	EA	ITEM 204
DROP INLET, TYPE BF	1	EA	ITEM 207.1
DROP INLET, TYPE CF	2	EA	ITEM 208.1
DRAINAGE STRUCTURE ADJUSTED	264	EA	ITEM 220.
DRAINAGE STRUCTURE REBUILT	12	EA	ITEM 220.3
DRAINAGE STRUCTURE REMODELED	20	EA	ITEM 220.5
SANITARY STRUCTURE REBUILT	7	EA	ITEM 220.6
SANITARY STRUCTURE ADJUSTED	119	EA	ITEM 220.7
SANITARY STRUCTURE REMODELED	7	EA	ITEM 220.8
SAWCUT PER STRUCTURE	36	FT	
SUB-TOTAL	23,735	FT	

C. CURBING

<u>STREET</u>	<u>START</u>	<u>END</u>	<u>LENGTH</u>	
TRAPELO RD	17+40.00	22+00.00	696	FT
TRAPELO RD	22+00.00	27+50.00	769	FT
TRAPELO RD	27+50.00	33+50.00	721	FT
TRAPELO RD	33+50.00	39+00.00	583	FT
LEXINGTON AVE	-	-	547	FT
CHURCH ST	-	-	745	FT
TRAPELO RD	39+00.00	44+00.00	1167	FT
TRAPELO RD	44+00.00	50+00.00	1176	FT
TRAPELO RD	50+00.00	55+50.00	1130	FT
TRAPELO RD	55+50.00	61+00.0	1172	FT
TRAPELO RD	61+00.00	67+50.00	1463	FT
TRAPELO RD	67+50.00	73+00.00	1127	FT
BARTLETT AVENUE	-	-	117	FT
TRAPELO RD	73+00.00	79+00.00	1139	FT
TRAPELO RD	79+00.00	84+50.00	1161	FT
TRAPELO RD	84+50.00	91+00.00	1114	FT
COMMON ST N.	-	-	1035	FT
COMMON ST S.	-	-	131	FT
CUSHING ST	-	-	720	FT
TRAPELO RD	91+00.00	96+00.00	1071	FT
TRAPELO RD	96+00.00	102+00.00	816	FT
BELMONT ST	102+00.00	107+00.00	773	FT
BELMONT ST	107+00.00	113+00.00	634	FT
BELMONT ST	113+00.00	118+00.00	606	FT
BELMONT ST	118+00.00	123+00.00	395	FT
SCHOOL ST.	-	-	371	FT
BELMONT ST	123+00.00	129+00.00	1116	FT
BELMONT ST	129+00.00	134+00.00	767	FT
BELMONT ST	134+00.00	140+00.00	688	FT
TEMPLETON PRKY	-	-	214	FT
ARLINGTON ST	-	-	120	FT
BELMONT ST	140+00.00	145+00.00	928	FT
BELMONT ST	145+00.00	148+00.00	469	FT
SUB-TOTAL			25,681	FT

D. LIMIT OF WORK

LENGTH 2,326 FT

E. BACK OF WALK WORK

LENGTH 4,440 FT

TOTAL 83,200 FT

SAY	83,200	FT
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Length calculations located in back of book on back of sidewalk summary page

482.4

SAWING CEMENT CONCRETE

LF

A. LIMIT OF WORK & BACK OF WALK WORK

LENGTH 2,148 FT

TOTAL 2,148 FT

SAY	2,150	FT
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Length calculations located in back of book on back of sidewalk summary page

486.2

COLORED SCORED CEMENT CONCRETE PAVEMENT

SY

AREAS FROM TRAPELO ROAD AND BELMONT STREET

AREA OF WORK 905 SY

TOTAL 905.33 SY

SAY	910	SY
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Area calculations located in back of book on pavement area summary page

487.

RESIN CROSSWALK

SY

<u>STREET</u>	<u>STATION</u>		<u>(SF)</u>
	<u>START</u>	<u>END</u>	<u>AREA</u>
TRAPELO ROAD	39+53.46	39+63.46	460.0
TRAPELO ROAD	86+29.30	88+64.95	3818.0
	SUBTOTAL	4278.0	SF
	CONVERSION FACTOR	9.00	SF/SY
	TOTAL	475.3	SY
	SAY	480	SY

506.

GRANITE CURB TYPE VB - STRAIGHT

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL LENGTH 6427.3 LF

SAY	6430	LF
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506.1

GRANITE CURB TYPE VB - CURVED

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL LENGTH 2791.8 LF

SAY	2800	LF
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509.

**GRANITE TRANSITION CURB FOR
WHEELCHAIR RAMPS - STRAIGHT**

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL LENGTH 1762.05 LF

SAY	1,770	LF
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509.1

**GRANITE TRANSITION CURB FOR
WHEELCHAIR RAMPS - CURVED**

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL LENGTH 2198.5 LF

SAY	2,200	LF
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514.

GRANITE CURB INLET - STRAIGHT

EA

FROM "CURB LENGTHS - PROPOSED" WORKSHEET	55	
MINUS		
GRANITE CURB INLET - STRAIGHT - MUNICIPAL STANDARD	1	
GRANITE CURB INLET - CURVED	<u>12</u>	
TOTAL	42.1	EA
<hr/>		
SAY	43	EA

514.2

GRANITE CURB INLET - STRAIGHT - MUNICIPAL STANDARD

EA

STREET	STATION	SIDE	QUANTITY
MILL ST	03+33.60	RT	1

TOTAL 1.0 EA

SAY	1	EA
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515.

GRANITE CURB INLET - CURVED

EA

STREET	STATION	SIDE	QUANTITY
TRAPELO RD	20+77.60	RT	1
TRAPELO RD	39+42.40	RT	1
TRAPELO RD	39+43.20	LT	1
TRAPELO RD	63+55.80	LT	1
TRAPELO RD	66+67.40	RT	1
TRAPELO RD	78+45.60	RT	1
TRAPELO RD	88+40.70	LT	1
BELMONT RD	107+15.40	RT	1
BELMONT RD	113+46.60	RT	1
BELMONT RD	132+27.00	LT	1
BELMONT RD	140+85.40	RT	1
BELMONT RD	145+88.70	RT	1

TOTAL 12 EA

SAY	12	EA
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516.

GRANITE CURB CORNER TYPE A

EA

<u>STREET</u>	<u>STATION</u>	<u>STATION</u>	<u>SIDE</u>	<u>QUANTITY (TYPE A)</u>
MILL ST	00+00.00	02+54.95	Rt.	0
MILL ST	02+73.08	03+69.78	Rt.	0
MILL ST	01+52.73	03+97.36	Lt.	0
TRAPELO RD	17+94.33	18+74.17	Lt.	6
TRAPELO RD	17+97.34	25+31.51	Rt.	10
TRAPELO RD	19+25.02	19+71.18	Lt.	10
TRAPELO RD	20+47.25	28+40.21	Lt.	4
TRAPELO RD	25+50.71	33+36.96	Rt.	23
TRAPELO RD	28+91.79	29+43.22	Lt.	8
TRAPELO RD	29+96.47	34+55.63	Lt.	0
TRAPELO RD	34+02.66	34+77.27	Rt.	0
TRAPELO RD	35+16.19	37+89.40	Rt.	0
CHURCH ST	00+42.67	03+93.07	Lt.	2
CHURCH ST	01+03.25	03+52.97	Rt.	0
LEXINGTON ST	03+89.76	04+44.00	Lt.	0
LEXINGTON ST	03+22.20	04+56.35	Rt.	0
TRAPELO RD	35+03.79	40+89.89	Lt.	4
TRAPELO RD	38+55.02	41+36.33	Rt.	0
TRAPELO RD	41+17.57	43+33.04	Lt.	2
TRAPELO RD	43+50.98	48+38.55	Lt.	13
TRAPELO RD	41+92.27	46+00.35	Rt.	8
TRAPELO RD	46+03.97	50+43.27	Rt.	9
TRAPELO RD	50+68.98	55+34.38	Rt.	2
TRAPELO RD	48+70.70	53+19.10	Lt.	11
TRAPELO RD	53+45.48	56+11.74	Lt.	0
TRAPELO RD	56+32.55	66+74.69	Lt.	19
TRAPELO RD	55+73.92	58+26.56	Rt.	5
TRAPELO RD	58+59.60	60+54.50	Rt.	4
TRAPELO RD	60+87.65	71+26.04	Rt.	15
TRAPELO RD	61+70.26	61+87.90	Cntr.	0
TRAPELO RD	63+01.97	63+34.68	Cntr.	0
TRAPELO RD	65+47.71	65+75.71	Cntr.	0
TRAPELO RD	67+46.45	68+27.84	Cntr.	0
TRAPELO RD	72+95.75	73+23.47	Cntr.	0
TRAPELO RD	67+26.70	70+55.94	Lt.	7
TRAPELO RD	70+72.16	70+98.97	Lt.	2
TRAPELO RD	70+62.78	73+77.48	Lt.	9
TRAPELO RD	74+07.12	86+46.90	Lt.	30
HARRIET AVE	00+45.19	01+78.72	Rt.	1
HARRIET AVE	00+49.04	01+51.44	Lt.	2
TRAPELO RD	71+66.42	73+37.63	Rt.	2
TRAPELO RD	73+60.96	75+48.67	Rt.	4
TRAPELO RD	75+77.87	77+70.45	Rt.	2
TRAPELO RD	77+94.01	84+16.17	Rt.	14
TRAPELO RD	83+29.48	83+68.93	Cntr.	0
TRAPELO RD	84+43.73	87+79.07	Rt.	3
TRAPELO RD	86+61.52	87+01.38	Lt.	10
COMMON ST N	01+51.22	05+56.35	Lt.	0
COMMON ST N	00+66.67	05+15.28	Rt.	2
COMMON ST S	00+58.66	04+05.96	Rt.	5
COMMON ST S	00+68.07	03+36.66	Lt.	2
TRAPELO RD	87+37.93	87+77.10	Lt.	0

TRAPELO RD	88+04.14	92+89.51	Lt.	8
TRAPELO RD	93+13.69	96+57.40	Lt.	8
TRAPELO RD	96+98.08	100+21.36	Lt.	5
TRAPELO RD	88+36.51	100+15.32	Rt.	27
TRAPELO RD	89+93.40	90+17.35	Cntr.	0
TRAPELO RD	92+01.01	92+30.37	Cntr.	0
TRAPELO RD	94+79.58	95+32.29	Cntr.	0
BELMONT ST	100+60.29	102+59.02	Rt.	0
BELMONT ST	102+87.40	115+45.38	Rt.	3
BELMONT ST	100+61.27	104+67.41	Lt.	8
BELMONT ST	104+14.03	104+53.05	Cntr.	0
BELMONT ST	104+96.78	113+05.52	Lt.	14
BELMONT ST	105+48.26	112+75.64	Cntr.	4
BELMONT ST	113+45.73	115+16.49	Lt.	4
BELMONT ST	115+46.35	117+09.62	Lt.	2
BELMONT ST	117+36.83	119+18.78	Lt.	2
BELMONT ST	119+44.36	121+41.45	Lt.	1
BELMONT ST	115+72.25	117+78.88	Rt.	4
BELMONT ST	118+06.25	118+43.96	Rt.	0
BELMONT ST	119+13.09	120+29.18	Rt.	1
BELMONT ST	120+65.25	121+76.99	Rt.	7
BELMONT ST	122+10.11	124+09.49	Rt.	6
BELMONT ST	124+34.99	126+21.79	Rt.	4
BELMONT ST	126+44.23	128+40.34	Rt.	2
BELMONT ST	128+68.44	130+66.90	Rt.	4
BELMONT ST	130+93.89	135+44.00	Rt.	6
BELMONT ST	121+67.40	123+54.63	Lt.	1
BELMONT ST	123+81.24	125+55.42	Lt.	5
BELMONT ST	125+81.53	127+48.90	Lt.	0
BELMONT ST	127+74.44	128+64.66	Lt.	0
BELMONT ST	128+87.86	130+80.77	Lt.	3
BELMONT ST	131+14.85	134+61.73	Lt.	8
BELMONT ST	135+17.64	135+63.11	Lt.	0
BELMONT ST	135+67.15	136+13.87	Rt.	4
BELMONT ST	136+43.33	141+72.73	Rt.	13
BELMONT ST	142+04.65	144+23.25	Rt.	5
BELMONT ST	144+51.14	146+49.04	Rt.	3
BELMONT ST	146+74.88	147+30.15	Rt.	0
BELMONT ST	135+89.79	138+20.30	Lt.	6
BELMONT ST	138+54.34	140+66.77	Lt.	1
BELMONT ST	140+93.56	143+10.27	Lt.	0
BELMONT ST	143+37.67	146+03.00	Lt.	6
BELMONT ST	146+27.00	146+91.48	Lt.	1

TOTAL 426 EA

SAY	426	EA
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517.

GRANITE CURB CORNER TYPE B

EA

<u>STREET</u>	<u>STATION</u>	<u>STATION</u>	<u>SIDE</u>	<u>QUANTITY</u> <u>(TYPE B)</u>	
COMMON ST S	00+68.07	03+36.66	Lt.	9	
			TOTAL	9	EA
				SAY	10 EA

531.

TIMBER EDGING

FT/BF

<u>STREET</u>	<u>STATION</u>		<u>(FT)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
LEXINGTON ST	3+96.88	4+71.39	73.46
TRAPELO RD	90+7.68	90+17.03	13.35
TRAPELO RD	90+21.66	90+38.25	33.22
TRAPELO RD	90+44.19	90+71.53	29.29
TRAPELO RD	90+93.85	90+75.67	19.96
TRAPELO RD	96+16.04	96+22.34	6.28
TRAPELO RD	96+28.41	96+41.75	13.35
TRAPELO RD	98+9.30	98+26.85	17.56
BELMONT ST	108+95.73	109+07.90	12.17
BELMONT ST	109+17.73	109+25.83	8.10
BELMONT ST	128+94.61	129+22.70	55.14
BELMONT ST	129+25.86	129+41.03	43.44

TOTAL **325**

SAY	330
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531.1

TIMBER EDGING REMOVED AND RESET

FT

<u>STREET</u>	<u>STATION</u>		<u>(FT)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO RD	93+60.32		15.8
TRAPELO RD	95+93.25	96+54.66	70.3
BELMONT ST	132+75.71	132+88.57	12.86

TOTAL 99 LF

SAY	100	LF
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532.

QUARTER ROUND CURB

FT

<u>STREET</u>	<u>STATION</u>		<u>(FT)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
BELMONT ST	122+08.03	122+17.11	29.05
BELMONT ST	144+54.28	144+71.08	25
ARLINGTON ST	01+02.75	01+57.75	55
ARLINGTON ST	01+57.75	01+87.75	30
ARLINGTON ST	2+50.18	2+78.85	28.699

TOTAL 168 FT

SAY	170	FT
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532.1

QUARTER ROUND CURB REMOVED AND RESET

FT

<u>STREET</u>	<u>STATION</u>		<u>(FT)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO RD	121+44.94	121+68.95	42.3
BELMONT ST	114+94.59	115+07.65	33.19
BELMONT ST	127+82.01	128+28.05	54.58
BELMONT ST	131+18.92	131+25.45	25.16
BELMONT ST	145+80.81	145+90.71	33

TOTAL 188 LF

SAY	190	LF
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533.1

PAVER EDGING REMOVED AND RESET

FT

<u>STREET</u>	<u>STATION</u>		<u>(FT)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO RD	45+77.07	45+98.57	58.22
TRAPELO RD	96+34.39	96+52.68	51.12
BELMONT ST	115+24.48	115+38.36	24.45
TOTAL			134 LF
SAY			135 LF

570.1

HOT MIX ASPHALT CURB TYPE 1

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO RD	35+44.89	35+53.81	17.52
TRAPELO RD	62+47.79	62+62.91	20.12
TRAPELO RD	61+74.34	62+24.53	51.08
TRAPELO RD	62+91.07	62+91.08	19.63
BELMONT ST	142+13.49	142+23.91	51.54

TOTAL 160 LF

SAY	160	LF
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580.

CURB REMOVED AND RESET

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 12979.0 LF

SAY	12,980	LF
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580.1

CURB REMOVED, RELOCATED AND RESET

FT

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 2866 LF

SAY	2,870	LF
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581.

CURB INLET REMOVED & RESET

EA

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 45 EA

SAY	45	EA
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581.1

CURB INLET REMOVED, RELOCATED AND RESET

EA

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 48.0 LF

SAY	48	LF
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582.

CURB CORNER REMOVED AND RESET

EA

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL	174	EA
SAY	180	EA

582.2

CURB CORNER REMOVED, RELOCATED AND RESET

EA

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 100 EA

SAY	100	EA
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590.

CURB REMOVED AND STACKED

LF

FROM "CURB LENGTHS - PROPOSED" WORKSHEET

TOTAL 2043.0 LF

SAY	2,044	LF
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593.

EDGING REMOVED AND STACKED

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
	<u>START</u>	<u>END</u>		
TRAPELO RD	26+95.00	27+61.00	RT/LT	132.0

TOTAL 132.0 LF

SAY	135	LF
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594.

CURB REMOVED AND DISCARDED

594

FROM "CURB LENGTHS - EXISTING" WORKSHEET

TOTAL 2282 LF

SAY	2,285	LF
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645.130

**30 INCH CHAIN LINK FENCE (PTR) VINYL
COATED (LINE POST OPT.)**

FT

STREET
CONTINGENCY

STA.

STA

TYPE

QUANT.
50

TOTAL: 50 EA

SAY	50	EA
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645.142

**42 INCH CHAIN LINK FENCE (PTR) VINYL
 COATED (LINE POST OPT.)**

FT

<u>STREET</u>	<u>STA. START</u>	<u>END</u>	<u>(LF) LENGTH</u>
TRAPELO RD	22+75.00	23+71.00	129
TRAPELO RD	50+09.00	50+38.00	37
TRAPELO RD	50+75.00	50+90.00	25
BELMONT ST	124+41.00	124+65.00	70
BELMONT ST	125+71.00	126+14.00	58
BELMONT ST	131+22.00	131+30.00	25
BELMONT ST	135+96.00	136+25.00	52
BELMONT ST	140+52.00	140+61.00	15
BELMONT ST	142+81.00	143+03.00	31

TOTAL: 442 FT

SAY	445	FT
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645.148

**48 INCH CHAIN LINK FENCE (PTR) VINYL
COATED (LINE POST OPT.)**

FT

<u>STREET</u>	<u>STA.</u> <u>START</u>	<u>END</u>	<u>(LF)</u> <u>LENGTH</u>
BELMONT ST	144+99.00	145+15.00	19.50
BELMONT ST	145+18.00	145+35.00	19.5
TOTAL:			39 FT
SAY			40 FT

645.172

**42 INCH CHAIN LINK FENCE (PTR) VINYL
COATED (LINE POST OPT.)**

FT

<u>STREET</u>	<u>STA.</u> <u>START</u>	<u>END</u>	<u>(LF)</u> <u>LENGTH</u>
TRAPELO	61+76.00	62+25.00	49.00
TRAPELO	62+47.00	62+65.00	17.00

TOTAL: 66 FT

SAY	<u>70</u>	FT
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650.030

30 INCH CHAIN LINK GATE WITH GATE POSTS

FT

<u>STREET</u>	<u>STA.</u>	<u>STA</u>	<u>TYPE</u>	<u>QUANT.</u>
CONTINGENCY				5

TOTAL: 5 EA

SAY	5	EA
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650.031

**30 INCH CHAIN LINK GATE WITH GATE POSTS
AND VINYL COATED**

FT

STREET
CONTINGENCY

STA.

STA

TYPE

QUANT.
5

TOTAL: 5 EA

SAY	5	EA
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650.042

42 INCH CHAIN LINK GATE WITH GATE POSTS

FT

<u>STREET</u>	<u>STA.</u> <u>START</u>	<u>END</u>	<u>(LF)</u> <u>LENGTH</u>
TRAPELO RD	22+75.00	23+71.00	5
TRAPELO RD	61+76.00	62+25.00	5
BELMONT ST	124+41.00	124+65.00	5
BELMONT ST	125+71.00	126+14.00	5
BELMONT ST	142+81.00	143+03.00	5

TOTAL: 25.0 LF

SAY	25	LF
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650.048

48 INCH CHAIN LINK GATE WITH GATE POSTS

LF

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
BELMONT ST	144+99.00	145+35.00	5.0
			<hr/> 5.0 LF

SAY	5	LF
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650.072

72 INCH CHAIN LINK GATE WITH GATE POSTS

FT

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO	61+76.00	62+25.00	5.00
TRAPELO	62+47.00	62+65.00	5.00
	TOTAL		10.0 LF
	SAY	10	LF

653.030

**30 INCH CHAIN LINK FENCE CORNER OR
INTERMEDIATE BRACE POST**

EA

<u>STREET</u> CONTINGENCY	<u>STATION</u> <u>START</u>	<u>END</u>	<u>(LF)</u> <u>LENGTH</u>	
			5.00	
	TOTAL: _____			EA
	SAY			5 EA

653.042

**42 INCH CHAIN LINK FENCE CORNER OR
 INTERMEDIATE BRACE POST**

EA

<u>STREET</u>	<u>STA.</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
TRAPELO RD	22+75.00	23+71.00	4
TRAPELO RD	50+09.00	50+38.00	1
TRAPELO RD	50+75.00	50+90.00	1
BELMONT ST	124+41.00	124+65.00	1
BELMONT ST	125+71.00	126+14.00	2
BELMONT ST	131+22.00	131+30.00	1
BELMONT ST	135+96.00	136+25.00	1
BELMONT ST	140+52.00	140+61.00	1
BELMONT ST	142+81.00	143+03.00	1

TOTAL: 9 EA

SAY	9	EA
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653.048

**48 INCH CHAIN LINK FENCE CORNER OR
INTERMEDIATE BRACE POST**

EA

<u>STREET</u>	<u>STA.</u> <u>START</u>	<u>END</u>	<u>QUANTITY</u>	
BELMONT ST	144+99.00	145+15.00	2	
BELMONT ST	145+18.00	145+35.00	2	
TOTAL:			4	EA
SAY			4	EA

653.072

**72 INCH CHAIN LINK FENCE CORNER OR
INTERMEDIATE BRACE POST**

EA

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>	
	<u>START</u>	<u>END</u>		
TRAPELO	61+76.00	62+25.00	2.00	
TRAPELO	62+47.00	62+65.00	2.00	
TOTAL:			4.00	EA
SAY		4	EA	

654.030

30 INCH CHAIN LINK FENCE FABRIC

FT

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>	
			10
TOTAL:			10 FT
SAY			10 FT

654.042

42 INCH CHAIN LINK FENCE FABRIC

FT

<u>STREET</u>	<u>STA.</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
TRAPELO RD	22+75.00	23+71.00	129
TRAPELO RD	50+09.00	50+38.00	37
TRAPELO RD	50+75.00	50+90.00	25
BELMONT ST	124+41.00	124+65.00	70
BELMONT ST	125+71.00	126+14.00	58
BELMONT ST	131+22.00	131+30.00	25
BELMONT ST	135+96.00	136+25.00	52
BELMONT ST	140+52.00	140+61.00	15
BELMONT ST	142+81.00	143+03.00	31
TOTAL:			442 FT
SAY			442 FT

654.048

48 INCH CHAIN LINK FENCE FABRIC

FT

<u>STREET</u>	<u>STA.</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
BELMONT ST	144+99.00	145+15.00	19.50
BELMONT ST	145+18.00	145+35.00	19.5
TOTAL:			<u>39</u> FT
SAY			<u>39</u> FT

654.072

72 INCH CHAIN LINK FENCE FABRIC

FT

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
TRAPELO	61+76.00	62+25.00	49.00
TRAPELO	62+47.00	62+65.00	17.00
TOTAL:			66.00 FT
SAY			66 FT

655.30

30 INCH METAL FENCE

FT

<u>STREET</u>	<u>STATION</u>	<u>STREET</u>	<u>END</u>	<u>(IN)</u> <u>(LF)</u> <u>LENGTH</u>	
TEMPLETON PARKWAY	02+05.23	ARLINGTON ST	02+00.00	305.0	
TOTAL:				305.0	FT
SAY				305	FT

655.31

22 INCH METAL GATE WITH GATE POST

EA

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>	
	<u>START</u>	<u>END</u>		
ARLINGTON ST	01+70.04	01+75.20	1.00	
TOTAL:			1.00	EA
SAY		1	EA	

655.32

30 INCH METAL GATE WITH GATE POST

EA

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
ARLINGTON ST	01+34.11	01+56.70	1.00
TOTAL:			1.00 EA
SAY			1 EA

666.

CHAIN LINK FENCE REMOVED AND RESET

FT

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO RD	23+32.98	23+68.55	35.50
TRAPELO RD	23+38.39	23+67.69	29.23
TRAPELO RD	50+08.03	50+36.24	36.50
TRAPELO RD	50+74.60	50+89.01	25.31
BELMONT ST	124+41.51	124+65.09	50.04
BELMONT ST	121+20.36	131+26.86	25.14
BELMONT ST	140+54.71	140+62.40	14.20
BELMONT ST	143+82.41	143+04.79	30.94

TOTAL 246.9 FT

SAY	247	FT
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668.

CHAIN LINK FENCE GATE W/ GATE POSTS
REMOVED AND RESET

EA

<u>STREET</u>	<u>STATION</u>		<u>QUANTITY</u>
	<u>START</u>	<u>END</u>	
BELMONT ST	135+94.80	136+23.83	1.00
TOTAL			1.0 EA
SAY		1	EA

669.

FENCE REMOVED AND STACKED

FT

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
<u>CONTINGENCY</u>	<u>START</u>	<u>END</u>		
				50.0

TOTAL 50.0 FT

SAY	50	FT
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670.1

METAL FENCE REMOVED AND RESET

FT

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
	<u>START</u>	<u>END</u>		
TRAPELO RD	00+00.00	00+00.00	-	0
-	-	-	-	-

SUBTOTAL 0 FT

FOR ESTIMATING PURPOSES 50 FT

TOTAL 50 FT

SAY	50	FT
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672.1

**METAL GATE AND GATE POST REMOVED AND
 RESET**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>TYPE</u>	<u>(IN) SIZE</u>	<u>QUANT.</u>
TRAPELO RD	00+00.00	00+00.00	-	0	
-	-	-	-	-	

SUBTOTAL 0 EA

FOR ESTIMATING PURPOSES 1 EA

TOTAL: 1 EA

SAY	1	EA
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685.

STONE MASONRY WALL IN CEMENT MORTAR

CY

STREET	Station	Distance (LF)	Cut		
			End Area (SF)	Avg. End Area (SF)	Vol. (CF)
MILL STREET	2+31	0	8.16	-	-
MILL STREET	2+00	33	8.16	8.16	269.28
MILL STREET	1+50	50	8.16	8.16	408.00
MILL STREET	1+00	51.5	8.16	8.16	420.24
MILL STREET	0+50	54	8.16	8.16	440.64
MILL STREET	0+00	60	8.16	8.16	489.60
TRAPELO ROAD	19+74	0	8.16	-	-
TRAPELO ROAD	20+00	27	8.16	8.16	220.32
TRAPELO ROAD	20+50	50	8.16	8.16	408.00
TRAPELO ROAD	20+85	38	8.16	8.16	310.08
TRAPELO ROAD	21+10	0	7.90	-	-
TRAPELO ROAD	21+50	42.8	7.90	8.03	343.68
TRAPELO ROAD	22+00	49.7	7.90	7.90	392.63
TRAPELO ROAD	22+50	48.3	7.90	7.90	381.57
TRAPELO ROAD	23+00	48.5	11.80	9.85	477.73
TRAPELO ROAD	23+50	48.25	34.10	22.95	1107.34
TRAPELO ROAD	23+70	18.8	34.10	34.10	641.08
TRAPELO ROAD	23+33	0	7.90	-	-
TRAPELO ROAD	23+70	35.5	7.90	21.00	745.50

SUBTOTAL	7055.7	CF
CONVERSION FACTOR	27.00	CF/CY
TOTAL	261.32	CY
SAY	265	CY

697.

SEDIMENTATION FENCE

LF

LENGTH OF SILT FENCE ALONG MILL STREET 315.0 LF

TOTAL 315 LF

SAY	320	LF
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701.

CEMENT CONCRETE SIDEWALK

SY

A. TRAPELO, BELMONT, AND ALL SIDE STREETS AREAS

TOTAL AREA 101085.00 SF

B. BACK OF WALK AREAS

TOTAL AREA 2303.00 SF

SUBTOTAL 103388.00 SF

CONVERSION FACTOR 9.00 SF/SY

TOTAL 11487.56 SY

SAY	11,490	SY
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Area calculations located in back of book on sidewalk area and back of walk summary pages

701.01

SCORED CEMENT CONCRETE SIDEWALK

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

TOTAL AREA	47901.00	SF
CONVERSION FACTOR	9.00	SF/SY
SUBTOTAL	5322.33	SY
SAY	5,330	SY

Area calculations located in back of book on sidewalk area summary page

701.02

COLORED SCORED CEMENT CONCRETE SIDEWALK

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

TOTAL AREA 10912.00 SF
CONVERSION FACTOR 9.00 SF/SY
SUBTOTAL 1212.44 SY

SAY	1,220	SY
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Area calculations located in back of book on sidewalk area summary page

701.1

CEMENT CONCRETE SIDEWALK AT DRIVEWAY

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

TOTAL AREA 31179.0 SF
CONVERSION FACTOR 9.00 SF/SY
TOTAL 3464.33 SY

SAY	3,470	SY
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Area calculations located in back of book on sidewalk area summary page

701.11

SCORED CEMENT CONCRETE SIDEWALK AT DRIVEWAY

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

TOTAL AREA	2389.0	SF
CONVERSION FACTOR	9.00	SF/SY
TOTAL	265.44	SY

SAY	270	SY
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Area calculations located in back of book on sidewalk area summary page

701.2

CEMENT CONCRETE WHEELCHAIR RAMP

SY

AREAS FROM TRAPELO, BELMONT, AND ALL SIDE STREETS

TOTAL AREA 34382.0 SF
CONVERSION FACTOR 9.00 SF/SY
TOTAL 3820.22 SY

SAY	3,830	SY
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Area calculations located in back of book on sidewalk area summary page

702.

HOT MIX ASPHALT WALK SURFACE

TON

BACK OF SIDEWALK WORK	563.0	SF			
SUBTOTAL	563.0	SF			
AREA OF DRIVEWAYS WALKS	563.0	SF			
DEPTH OF PAVEMENT	2.500	IN			
CONVERSION FACTOR	9.00	SF/SY			
VOLUME OF PAVEMENT	156.4	SY*IN			
CONVERSION FACTOR	0.056	TON/IN*SY			
TOTAL	8.8	TON			
<table border="1"><tr><td>SAY</td><td>9</td><td>TON</td></tr></table>			SAY	9	TON
SAY	9	TON			

Area calculations located in back of book on back of sidewalk summary page

703.

HOT MIX ASPHALT DRIVEWAY

TON

BACK OF SIDEWALK WORK	13842.0	SF
SUBTOTAL	13842.0	SF
AREA OF DRIVEWAYS WALKS	13,842.0	SF
DEPTH OF PAVEMENT	2.500	IN
CONVERSION FACTOR	9.00	SF/SY
VOLUME OF PAVEMENT	3845.0	SY*IN
CONVERSION FACTOR	0.056	TON/IN/SY
TOTAL	215.3	TON
SAY	216	TON

Area calculations located in back of book on back of sidewalk summary page

705.

FLAGSTONE WALK

SY

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>	<u>(LF)</u> <u>WIDTH</u>	<u>(SF)</u> <u>AREA</u>	
TRAPELO ROAD	00+00.00	Rt.			0.0	
				TOTAL	0.0	SF
				CONVERSION FACTOR	9.00	SF/SY
				CONTINGENCY	20.00	SY
				TOTAL	20	SY
				SAY	20	SY

706.

BRICK WALK

SY

FROM "BACK OF SIDEWALK AREAS" WORKSHEET

SUBTOTAL	258.00	SF
CONVERSION FACTOR	9.00	SF/SY
SUBTOTAL	28.67	SY
SAY	30	SY

706.1

BRICK WALK REMOVED & RELAID

SY

Areas from back of book in "Back of Sidewalk Calc Sheet"

TOTAL	258.0	SF
SUBTOTAL	<u>258.0</u>	SF
CONVERSION FACTOR	9.00	SF/SY
TOTAL	<u>28.67</u>	SY
SAY	30	SY

707.1

PARK BENCH

EA

STREET	STATION	SIDE	QUANTITY
TRAPELO RD	35+15.00	Lt	1.0
TRAPELO RD	35+21.00	Lt	1.0
TRAPELO RD	35+27.00	Lt	1.0
CHURCH ST	02+13.00	Rt	1.0
COMMON ST N.	00+50.40	Rt	1.0
COMMON ST N.	00+62.30	Rt	1.0
TRAPELO RD	88+67.30	Lt	1.0
TRAPELO RD	90+33.20	Rt	1.0
TRAPELO RD	99+92.30	Rt	1.0
TRAPELO RD	99+95.60	Rt	1.0
BELMONT ST	101+61.20	Rt	1.0
BELMONT ST	119+51.30	Rt	1.0
BELMONT ST	119+88.40	Rt	1.0
BELMONT ST	120+58.90	Lt	1.0

TOTAL 14.00 EA

SAY	14	EA
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707.11

PARK BENCH REMOVED AND STACKED

EA

STREET	STATION	SIDE	QUANTITY
TRAPELO RD	37+18.70	Rt	1.0
TRAPELO RD	66+58.50	Rt	1.0
COMMON ST N.	00+58.40	Rt	2.0

TOTAL 4.00 EA

SAY	4	EA
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707.2

TRASH RECEPTACLE

EA

STREET	STATION	SIDE	QUANTITY
TRAPELO RD	35+10.00	Lt	1.0
TRAPELO RD	35+83.10	Rt	1.0
TRAPELO RD	37+01.80	Rt	1.0
CHURCH ST	00+51.20	Lt	1.0
CHURCH ST	01+76.10	Lt	1.0
CHURCH ST	02+73.10	Rt	1.0
CHURCH ST	03+75.80	Lt	1.0
TRAPELO RD	38+77.90	Lt	1.0
TRAPELO RD	40+83.60	Rt	1.0
TRAPELO RD	47+15.60	Rt	1.0
TRAPELO RD	51+93.50	Rt	1.0
TRAPELO RD	53+25.60	Rt	1.0
TRAPELO RD	54+79.20	Rt	1.0
TRAPELO RD	55+52.20	Lt	1.0
TRAPELO RD	56+85.90	Rt	1.0
TRAPELO RD	57+17.50	Lt	1.0
TRAPELO RD	60+47.50	Rt	1.0
TRAPELO RD	63+53.30	Rt	1.0
TRAPELO RD	70+88.30	Rt	1.0
TRAPELO RD	71+80.40	Rt	1.0
TRAPELO RD	84+62.00	Lt	1.0
TRAPELO RD	85+91.30	Rt	1.0
COMMON RD N.	00+54.40	Rt	1.0
COMMON RD N.	01+53.20	Lt	1.0
COMMON RD N.	02+74.20	Rt	1.0
COMMON RD N.	03+07.60	Lt	1.0
COMMON RD N.	03+48.70	Rt	1.0
COMMON RD S.	00+71.00	Rt	1.0
TRAPELO RD	88+45.00	Lt	1.0
TRAPELO RD	89+44.40	Lt	1.0
TRAPELO RD	90+17.30	Rt	1.0
TRAPELO RD	99+71.50	Rt	1.0
BELMONT ST	101+54.90	Rt	1.0
BELMONT ST	107+73.60	Rt	1.0
BELMONT ST	113+59.70	Rt	1.0
BELMONT ST	119+41.90	Rt	1.0
BELMONT ST	122+18.50	Lt	1.0
GROVE ST	00+69.20	Rt	1.0
BELMONT ST	141+12.00	Rt	1.0
BELMONT ST	141+13.20	Lt	1.0
BELMONT ST	144+05.70	Lt	1.0
BELMONT ST	146+32.70	Rt	1.0

TOTAL 42.00 EA

SAY	42	EA
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707.21

TRASH RECEPTACLE REMOVED AND STACKED

EA

STREET	STATION	SIDE	QUANTITY
TRAPELO RD	36+15.80	Lt	1.0
CHURCH ST	01+63.40	Lt	1.0
CHURCH ST	02+73.10	Rt	1.0
CHURCH ST	03+52.20	Lt	1.0
TRAPELO RD	38+77.90	Lt	1.0
TRAPELO RD	39+73.30	Rt	1.0
TRAPELO RD	41+37.20	Rt	1.0
TRAPELO RD	47+28.20	Rt	1.0
TRAPELO RD	52+48.20	Rt	1.0
TRAPELO RD	53+18.30	Rt	1.0
TRAPELO RD	53+48.60	Rt	1.0
TRAPELO RD	54+79.90	Lt	1.0
TRAPELO RD	56+30.00	Rt	1.0
TRAPELO RD	60+48.50	Rt	1.0
TRAPELO RD	66+65.00	Rt	1.0
TRAPELO RD	68+05.00	Rt	1.0
TRAPELO RD	70+87.00	Rt	1.0
TRAPELO RD	84+62.00	Lt	1.0
TRAPELO RD	85+82.00	Rt	1.0
COMMON ST N.	00+73.40	Rt	1.0
COMMON ST N.	01+51.60	Lt	1.0
COMMON ST N.	02+74.20	Rt	1.0
COMMON ST N.	03+07.60	Lt	1.0
COMMON ST S.	00+57.30	Rt	1.0
TRAPELO RD	88+45.00	Lt	1.0
TRAPELO RD	89+44.20	Lt	1.0
TRAPELO RD	90+17.30	Rt	1.0
TRAPELO RD	99+03.10	Rt	1.0
BELMONT ST	101+58.80	Rt	1.0
BELMONT ST	120+58.90	Lt	1.0
BELMONT ST	122+22.80	Lt	1.0
GROVE ST	00+64.80	Rt	1.0
BELMONT ST	143+90.30	Lt	1.0
BELMONT ST	146+16.00	Rt	1.0

TOTAL 34.00 EA

SAY	34	EA
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707.71

3 INCH WAVERLY TRAIL MEDALLIAN (INSTALLATION ONLY)

EA

STREET	STATION		SIDE	QUANTITY
	START	END		
TRAPELO RD	17+40.00	22+00.00	Rt	13.0
TRAPELO RD	22+00.00	27+00.00	Rt	28.0
TRAPELO RD	27+00.00	33+00.00	Rt	37.00
TRAPELO RD	33+00.00	39+00.00	Rt	31.00
TRAPELO RD	39+00.00	44+00.00	Rt	7.00
TRAPELO RD	39+00.00	44+00.00	Lt	20.0

TOTAL 136.00 EA

SAY	136	EA
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707.72

12 INCH WAVERLY TRAIL MEDALLIAN (INSTALLATION ONLY)

EA

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>QUANTITY</u>
	<u>START</u>	<u>END</u>		
TRAPELO RD	17+40.00	22+00.00	Rt	1.0
TRAPELO RD	22+00.00	27+00.00	Rt	2.0
TRAPELO RD	27+00.00	33+00.00	Rt	0.00
TRAPELO RD	33+00.00	39+00.00	Rt	3.00
TRAPELO RD	39+00.00	44+00.00	Rt	2.00
TRAPELO RD	39+00.00	44+00.00	Lt	2.0

TOTAL 10.00 EA

SAY	10	EA
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707.81

STEEL BOLLARD REMOVED AND RESET

EA

STREET	STATION	SIDE	QUANTITY	
TRAPELO RD	22+09.00	Rt	1.0	
		TOTAL	1.00	EA
		SAY	1	EA

707.82

BOLLARD

EA

STREET CONTINGENCY	STATION	SIDE	QUANTITY	
			1.0	
		TOTAL	1.00	SY
		SAY	1	SY

707.9

BICYCLE RACK

EA

STREET	STATION	SIDE	QUANTITY
CHURCH ST	02+45.20	Rt	1.0
TRAPELO RD	39+37.80	Rt	1.0
TRAPELO RD	39+80.20	Rt	1.0
TRAPELO RD	55+57.00	Lt	1.0
TRAPELO RD	56+80.90	Rt	1.0
TRAPELO RD	63+48.50	Rt	1.0
HARRIET AVE	00+52.10	Lt	1.0
TRAPELO RD	83+51.10	Rt	1.0
COMMON ST N.	00+72.20	Rt	1.0
COMMON ST N.	01+51.00	Lt	1.0
TRAPELO RD	88+57.00	Lt	1.0
TRAPELO RD	89+91.70	Rt	1.0
TRAPELO RD	99+67.50	Rt	1.0
BELMONT ST	101+50.40	Rt	1.0
BELMONT ST	107+49.60	Rt	1.0
BELMONT ST	113+56.20	Rt	1.0
BELMONT ST	119+32.10	Rt	1.0
BELMONT ST	119+38.00	Rt	1.0
BELMONT ST	122+22.60	Lt	1.0
BELMONT ST	129+22.30	Lt	1.0
BELMONT ST	141+17.20	Rt	1.0
BELMONT ST	145+70.00	Rt	1.0

TOTAL 22.00 EA

SAY	22	EA
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710.4

BOUND - PLAIN GRANITE

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>NUMBER</u>
MILL ST	03+12.60	RT	1.0
TRAPELO RD	30+18.80	LT	1.0
TRAPELO RD	31+63.20	LT	1.0
PLEASANT ST	01+07.80	LT	1.0
TRAPELO RD	118+55.80	RT	1.0
SCHOOL ST	01+75.10	RT	1.0
TRAPELO RD	118+87.80	RT	1.0
TRAPELO RD	125+99.60	RT	1.0
TRAPELO RD	128+98.40	RT	1.0
TEMPLETON PARKWAY	00+96.30	LT	1.0
TEMPLETON PARKWAY	01+36.50	LT	1.0
TEMPLETON PARKWAY	01+97.50	LT	1.0

TOTAL REMOVED & RESET: 12.0 EA

SAY	12	EA
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711.

BOUND REMOVED AND RESET

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>NUMBER</u>
TRAPELO RD	25+25.50	RT	1.0
LEXINGTON ST	04+00.50	RT	1.0
LEXINGTON ST	04+03.70	RT	1.0
BELMONT ST	130+72.70	LT	1.0
BELMONT ST	131+22.70	LT	1.0
BELMONT ST	138+12.30	LT	1.0
BELMONT ST	138+62.40	LT	1.0
BELMONT ST	140+60.30	LT	1.0

TOTAL REMOVED & RESET: 8.0 EA

SAY	8	EA
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715.1

MAIL BOX REMOVED AND RESET

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD	38+87.41	RT	4.0	
TRAPELO RD	42+16.61	LF	1.0	
TRAPELO RD	47+53.72	LF	2.0	
TRAPELO RD	56+57.58	LF	2.0	
TRAPELO RD	60+43.87	RT	1.0	
TRAPELO RD	66+54.50	LF	1.0	
TRAPELO RD	71+24.65	RT	1.0	
TRAPELO RD	77+48.40	RT	1.0	
TRAPELO RD	83+85.53	LF	2.0	
COMMON ST	01+56.18	LF	1.0	
COMMON ST	05+15.27	LF	2.0	
CUSHING AVE		RT	1.0	
BELMONT ST		LF	1.0	Near the intersection of common st
TRAPELO RD	92+81.57	LF	2.0	
PINE ST		LF	2.0	
CARVER RD		LF	1.0	
PLEASANT ST	120+55.27	LF	1.0	
SCHOOL ST (N)	00+27.37	RT	1.0	
LANGDON AVE		RT	1.0	
BELMONT ST	126+52.63	LF	1.0	
BELMONT ST	129+00.00	LF	2.0	
BELMONT ST	134+31.18	LF	1.0	
TEMPLETON PKWY	01+09.06	LF	1.0	
BELMONT ST	141+13.01	LF	1.0	
BELMONT ST	144+04.97	RT	1.0	
BELMONT ST	148+14.92	LF	2.0	
BELMONT ST	148+51.71	LF	1.0	

TOTAL 38 EA

SAY	38	EA
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740.

**ENGINEERS FIELD OFFICE AND
EQUIPMENT - TYPE A**

MONTH

ASSUME XX MONTH CONSTRUCTION PERIOD

SAY	24	MO
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745.1

BUS SHELTER REMOVED AND RESET

EA

<u>STREET</u>	<u>STATION</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>AREA</u>	<u>NUMBER</u>
CHURCH ST	02+63.56	10.10	5.18	52.36	1.0
TRAPELO RD	101+73.47	18.00	6.03	108.51	1.0

TOTAL 2.00 EA

SAY	2	EA
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748.

MOBILIZATION

LS

JOBWIDE LUMP SUM ITEM (1.5% TO 3.0% OF PROJECT ESTIMATE)

PROJECT ESTIMATE = \$10,449,408
MOBILIZATION PERCENTAGE = 3.0%
MOBILIZATION COST = \$313,482
ROUNDED MOBILIZATION COST = \$314,000

SAY	1	LS
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751.

LOAM BORROW

CY

4" LOAM BORROW 33,969.0 SF
DEPTH 0.33 FT
11323 CF
+25% SWELL 8,492.3 CF
SUBTOTAL 53,784.6 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 1992.0216 CY

SAY	1,995	CY
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12" LOAM BORROW 1,745.0 SF
DEPTH 1.00 FT
1745 CF
+25% SWELL 436.3 CF
SUBTOTAL 3,927.3 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 145.453704 CY

SAY	150	CY
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TOTAL LOAM BORROW	SAY 2,145	CY
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Area calculations located in back of book on sidewalk areas summary page

752.1

TREE PIT

CY

TREE PIT 29,056.0 SF
DEPTH 2.00 FT
58112 CF
+25% SWELL 7,264.0 CF
SUBTOTAL 94,434.0 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 3497.55556 CY

SAY	3,500	CY
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Area calculations located in back of book on sidewalk areas summary page

752.3

ROOT PATH

FT

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
CHURCH ST	00+76.00	LT	53
CHURCH ST	01+10.00	LT	43
CHURCH ST	02+16.00	LT	93
CHURCH ST	03+22.00	LT	45
CHURCH ST	03+53.00	LT	42
TRAPELO RD	40+49.00	RT	72
TRAPELO RD	41+59.00	LT	16
TRAPELO RD	42+11.00	LT	16
TRAPELO RD	42+46.00	RT	20
TRAPELO RD	42+66.00	RT	20
TRAPELO RD	43+34.00	RT	15
TRAPELO RD	52+33.00	RT	148
TRAPELO RD	52+83.00	RT	87
TRAPELO RD	53+19.00	RT	44
TRAPELO RD	53+49.00	RT	30
TRAPELO RD	53+73.00	RT	26
TRAPELO RD	54+00.00	LT	39
TRAPELO RD	54+31.00	LT	42
TRAPELO RD	54+61.00	LT	40
TRAPELO RD	54+61.00	RT	22
TRAPELO RD	54+92.00	LT	43
TRAPELO RD	55+26.00	RT	55
TRAPELO RD	56+97.00	LT	20
TRAPELO RD	57+13.00	RT	77
TRAPELO RD	59+00.00	RT	18
TRAPELO RD	59+61.00	RT	18
TRAPELO RD	61+20.00	LT	16
TRAPELO RD	61+55.00	LT	16
TRAPELO RD	61+98.00	LT	16
TRAPELO RD	62+91.00	LT	16
TRAPELO RD	63+36.00	-	30
TRAPELO RD	64+94.00	RT	15
TRAPELO RD	65+18.00	RT	15
TRAPELO RD	68+88.00	RT	23
TRAPELO RD	69+64.00	RT	13
TRAPELO RD	69+94.00	RT	30
TRAPELO RD	70+30.00	RT	38
TRAPELO RD	70+64.00	RT	22
TRAPELO RD	84+28.00	LT	14
TRAPELO RD	85+10.00	LT	55
TRAPELO RD	85+41.00	LT	70
TRAPELO RD	85+72.00	LT	58
TRAPELO RD	86+73.00	LT	24
COMMON ST N.	00+85.00	LT	24
COMMON ST N.	01+41.00	RT	63
COMMON ST N.	01+90.00	LT	12
COMMON ST N.	02+25.00	LT	19
COMMON ST N.	02+35.00	RT	50
COMMON ST N.	02+79.00	RT	16
COMMON ST N.	03+04.00	LT	33
COMMON ST N.	03+40.00	RT	40
COMMON ST S.	00+94.00	RT	55
COMMON ST S.	01+74.00	RT	60
COMMON ST S.	01+91.00	LT	12
COMMON ST S.	02+09.00	RT	40
COMMON ST S.	02+30.00	LT	12
COMMON ST S.	02+45.00	LT	30
COMMON ST S.	02+60.00	LT	12
TRAPELO RD	91+03.00	RT	18
TRAPELO RD	91+29.00	RT	15
TRAPELO RD	91+78.00	LT	12
TRAPELO RD	91+91.00	RT	15
TRAPELO RD	92+09.00	RT	15
TRAPELO RD	92+25.00	LT	12
TRAPELO RD	92+28.00	RT	15
TRAPELO RD	92+62.00	LT	24

TRAPELO RD	92+64.00	RT	38
TRAPELO RD	92+80.00	LT	20
TRAPELO RD	93+22.00	LT	15
TRAPELO RD	93+41.00	LT	20
TRAPELO RD	93+86.00	RT	12
TRAPELO RD	94+00.00	LT	15
TRAPELO RD	94+34.00	LT	15
TRAPELO RD	94+40.00	RT	13
TRAPELO RD	94+60.00	LT	15
TRAPELO RD	94+85.00	RT	15
TRAPELO RD	95+55.00	LT	15
TRAPELO RD	97+25.00	RT	15
TRAPELO RD	99+35.00	LT	12
BELMONT ST	101+44.00	LT	15
BELMONT ST	103+11.00	LT	15
BELMONT ST	103+60.00	LT	15
BELMONT ST	103+90.00	LT	15
BELMONT ST	104+25.00	LT	15
BELMONT ST	106+34.00	LT	15
BELMONT ST	106+92.00	LT	15
BELMONT ST	107+48.00	LT	15
BELMONT ST	108+17.00	LT	15
BELMONT ST	108+59.00	LT	15
BELMONT ST	109+59.00	LT	15
BELMONT ST	109+85.00	LT	15
BELMONT ST	110+75.00	LT	15
BELMONT ST	111+79.00	LT	15
BELMONT ST	112+19.00	LT	15
BELMONT ST	116+17.00	LT	10
BELMONT ST	116+57.00	LT	12
BELMONT ST	117+72.00	RT	15
BELMONT ST	117+79.00	LT	12
BELMONT ST	118+12.00	RT	15
BELMONT ST	118+15.00	LT	17
BELMONT ST	118+85.00	LT	12
SCHOOL ST	-	-	12
SCHOOL ST	-	-	12
SCHOOL ST	-	-	12
SCHOOL ST	00+90.00	LT	12
SCHOOL ST	01+16.00	LT	12
SCHOOL ST	01+43.00	LT	12
SCHOOL ST	01+80.00	LT	17
BELMONT ST	122+82.00	RT	20
BELMONT ST	126+55.00	RT	15
BELMONT ST	126+92.00	RT	30
BELMONT ST	137+92.00	RT	16
BELMONT ST	138+64.00	LT	33
BELMONT ST	138+95.00	LT	47
BELMONT ST	139+29.00	LT	41
BELMONT ST	139+63.00	LT	20
BELMONT ST	140+40.00	RT	20
BELMONT ST	142+61.00	LT	14
BELMONT ST	143+80.00	LT	14
BELMONT ST	143+85.00	RT	10
BELMONT ST	144+05.00	LT	15
BELMONT ST	145+20.00	LT	16
BELMONT ST	145+77.00	LT	14
BELMONT ST	146+81.00	LT	15

TOTAL 3186 FT

SAY	3,190	FT
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752.4

BIO-SWALE SOIL

CY

STREET	STA	STA	SIDE	AREA (SF)
TRAPELO RD	18+43.00	20+83.00	RT	2,033.0

DEPTH 2.00 FT
 4066 CF
 +25% SWELL 508.3 CF
SUBTOTAL 6,609.3 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 244.787037 CY

SAY	245	CY
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752.5

STRUCTURAL SOIL

CY

STREET	STA	SIDE	AREA (SF)
LEXINGTON ST	00+86.00	RT	106.0
TRAPELO RD	65+96.00	RT	150
TRAPELO RD	72+31.00	LT	90
TRAPELO RD	72+85.00	LT	29
TRAPELO RD	73+36.00	LT	51
COMMON ST S.	01+12.00	LT	67
COMMON ST S.	03+23.00	LT	168
COMMON ST S.	03+50.00	RT	168
TRAPELO RD	96+84.00	RT	118
TRAPELO RD	97+30.00	RT	120
TRAPELO RD	98+36.00	RT	113
BELMONT ST	124+92.00	LT	81
BELMONT ST	125+41.00	LT	65
BELMONT ST	133+80.00	LT	405
GROVE ST	00+62.00	RT	89
BELMONT ST	137+68.00	RT	219
BELMONT ST	139+88.00	RT	56

TOTAL	2,095	SF
DEPTH	1.00	FT
	2095	CF
+25% SWELL	523.8	CF
SUBTOTAL	2,618.8	CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 96.99 CY

SAY	100	CY
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756.

NPDES STORM WATER POLLUTION PLAN

LS

JOBWIDE LUMP SUM ITEM (REQUIRED IF OVER ONE ACRE OF EARTH DISTURBANCE)

EARTH DISTURBANCE

FULL DEPTH AREAS =	72292.00	SF
BOX WIDENED AREA =	2358.00	SF
SIDEWALK AREAS =	167467.00	SF
DRIVEWAY AREAS =	16323.00	SF
LOAM AND SEED AREA =	58108.00	SF

SUBTOTAL	316548.00	SF
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CONVERSION FACTOR:	43560	SF / A
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TOTAL:	7.267	A
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SAY	1	LS
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765.

SEEDING

SY

SEEDING AREA 58,108.0 SF
SUBTOTAL 58,108.0 SF
CONVERSION FACTOR 9.00 SF/SY
TOTAL 6456.44444 SY

SAY	6,460	SY
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Area calculations located in back of book on sidewalk areas summary page

767.6

AGED PINE BARK MULCH

CY

AGED PINE BARK MULCH 8,267.0 SF
DEPTH 0.33 FT
2755.66667 CF
+25% SWELL 2,066.8 CF
SUBTOTAL 13,089.8 CF

CONVERSION FACTOR 27.00 CF/CY

TOTAL 484.81 CY

SAY	485	CY
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Area calculations located in back of book on sidewalk areas summary page

767.8

BALES OF HAY FOR EROSION CONTROL

EA

ASSUME EACH HAYBALE 3' LONG

A. HAYBALES WITH SILT FENCE (FROM ITEM 697):

LENGTH OF SILT FENCE	331.1	LF
HAYBALES PER FOOT	0.33	EA

TOTAL	109	EA
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SAY	110	EA
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770.

LAWN SODDING

SY

FROM "LOAMED AREAS" WORKSHEET:

LAWN SODDING AREA AT RAIN GARDEN / BIO-SWALE (ITEM 752.4): 2,033.00 SF

SUBTOTAL 2,033.00 SF

CONVERSION FACTOR 9.00 SF/SY

TOTAL 225.8888889 SY

SAY	226	SY
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773.238

PINE - RED 8-10 FEET

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	21 + 42	LT	1
TRAPELO RD.	21 + 57	LT	1
TRAPELO RD.	22 + 0	LT	1
TRAPELO RD.	22 + 35	LT	1
TRAPELO RD.	22 + 66	LT	1
TRAPELO RD.	22 + 97	LT	1
TRAPELO RD.	23 + 29	LT	1
TRAPELO RD.	23 + 63	LT	1

TOTAL 8 EA

SAY	8	EA
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773.436

PINE - WHITE 8-10 FEET

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	19 + 67	LT	1	
TRAPELO RD.	20 + 4	LT	1	
		TOTAL	2	EA
		SAY	2	EA

775.004

ASH - GREEN 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
BARTLET AVE.	0 + 57	LT	1	
BARTLET AVE.	0 + 83	RT	1	
BARTLET AVE.	0 + 87	LT	1	
BARTLET AVE.	1 + 10	RT	1	
		TOTAL	4	EA
		SAY	4	EA

775.018

BEECH- RIVERS PURPLE 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	101 + 14	RT	1	
		TOTAL	1	EA
		SAY	1	EA

775.028

**ELM - AMERICAN 'VALLEY FORGE' 2-2.5 INCH
 CALIPER**

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
PLEASEANT ST.	0 + 23	LT	1
PLEASEANT ST.	0 + 49	LT	1
PLEASEANT ST.	0 + 75	LT	1
TRAPELO RD.	18 + 17	MED	1
TRAPELO RD.	18 + 56	RT	1
TRAPELO RD.	19 + 1	RT	1
TRAPELO RD.	19 + 90	RT	1
TRAPELO RD.	20 + 17	RT	1
TRAPELO RD.	20 + 44	RT	1
TRAPELO RD.	20 + 71	RT	1
TRAPELO RD.	23 + 19	RT	1
TRAPELO RD.	24 + 25	RT	1
TRAPELO RD.	24 + 53	RT	1
TRAPELO RD.	24 + 79	RT	1
TRAPELO RD.	25 + 70	RT	1
TRAPELO RD.	26 + 3	RT	1
TRAPELO RD.	26 + 36	RT	1
TRAPELO RD.	26 + 75	RT	1
TRAPELO RD.	27 + 22	RT	1
TRAPELO RD.	28 + 36	RT	1
TRAPELO RD.	28 + 84	RT	1
TRAPELO RD.	41 + 58	LT	1
TRAPELO RD.	42 + 11	LT	1
TRAPELO RD.	42 + 63	LT	1
TRAPELO RD.	43 + 9	LT	1
TRAPELO RD.	43 + 28	LT	1
TRAPELO RD.	43 + 70	LT	1
TRAPELO RD.	44 + 9	LT	1
TRAPELO RD.	44 + 24	RT	1
TRAPELO RD.	44 + 57	RT	1
TRAPELO RD.	44 + 87	RT	1
TRAPELO RD.	44 + 89	LT	1
TRAPELO RD.	45 + 43	RT	1
TRAPELO RD.	45 + 69	RT	1
TRAPELO RD.	46 + 51	RT	1
TRAPELO RD.	46 + 92	RT	1
TRAPELO RD.	47 + 14	LT	1
TRAPELO RD.	47 + 93	LT	1
TRAPELO RD.	48 + 13	RT	1
TRAPELO RD.	48 + 24	LT	1
TRAPELO RD.	48 + 42	RT	1
TRAPELO RD.	48 + 85	RT	1
TRAPELO RD.	49 + 16	RT	1
TRAPELO RD.	49 + 49	RT	1
TRAPELO RD.	49 + 50	LT	1
TRAPELO RD.	49 + 79	RT	1
TRAPELO RD.	49 + 81	LT	1
TRAPELO RD.	50 + 10	RT	1
TRAPELO RD.	50 + 17	LT	1
TRAPELO RD.	50 + 64	LT	1
TRAPELO RD.	51 + 0	RT	1
TRAPELO RD.	51 + 6	LT	1
TRAPELO RD.	51 + 37	RT	1
TRAPELO RD.	51 + 98	LT	1
TRAPELO RD.	52 + 4	RT	1
TRAPELO RD.	52 + 49	LT	1
TRAPELO RD.	52 + 63	RT	1
TRAPELO RD.	53 + 2	RT	1
TRAPELO RD.	53 + 35	RT	1

TRAPELO RD.	56 + 96	RT	1
TRAPELO RD.	57 + 30	RT	1
TRAPELO RD.	57 + 85	LT	1
TRAPELO RD.	58 + 11	LT	1
TRAPELO RD.	58 + 51	LT	1
TRAPELO RD.	58 + 79	LT	1
TRAPELO RD.	59 + 1	RT	1
TRAPELO RD.	59 + 18	LT	1
TRAPELO RD.	59 + 53	LT	1
TRAPELO RD.	100 + 73	RT	1
TRAPELO RD.	100 + 94	RT	1
TRAPELO RD.	101 + 16	RT	1
TRAPELO RD.	101 + 43	LT	1
TRAPELO RD.	101 + 48	RT	1
TRAPELO RD.	101 + 93	RT	1
TRAPELO RD.	101 + 94	LT	1
TRAPELO RD.	102 + 20	RT	1
TRAPELO RD.	102 + 47	RT	1
TRAPELO RD.	103 + 4	LT	1
TRAPELO RD.	103 + 4	RT	1
TRAPELO RD.	103 + 60	LT	1
TRAPELO RD.	103 + 90	LT	1
TRAPELO RD.	105 + 2	LT	1
TRAPELO RD.	105 + 10	LT	1
TRAPELO RD.	105 + 55	MED	1
TRAPELO RD.	105 + 64	MED	1
TRAPELO RD.	105 + 95	MED	1
TRAPELO RD.	106 + 24	MED	1
TRAPELO RD.	106 + 33	LT	1
TRAPELO RD.	106 + 85	MED	1
TRAPELO RD.	107 + 3	LT	1
TRAPELO RD.	107 + 43	MED	1
TRAPELO RD.	107 + 49	LT	1
TRAPELO RD.	107 + 92	MED	1
TRAPELO RD.	108 + 16	LT	1
TRAPELO RD.	108 + 17	MED	1
TRAPELO RD.	108 + 42	MED	1
TRAPELO RD.	108 + 59	LT	1
TRAPELO RD.	108 + 67	MED	1
TRAPELO RD.	108 + 92	MED	1
TRAPELO RD.	109 + 18	MED	1
TRAPELO RD.	109 + 42	MED	1
TRAPELO RD.	109 + 59	LT	1
TRAPELO RD.	109 + 67	MED	1
TRAPELO RD.	109 + 83	LT	1
TRAPELO RD.	109 + 93	MED	1
TRAPELO RD.	110 + 17	MED	1
TRAPELO RD.	110 + 42	MED	1
TRAPELO RD.	110 + 54	LT	1
TRAPELO RD.	110 + 67	MED	1
TRAPELO RD.	110 + 74	LT	1
TRAPELO RD.	110 + 92	MED	1
TRAPELO RD.	111 + 17	MED	1
TRAPELO RD.	111 + 42	MED	1
TRAPELO RD.	111 + 66	MED	1
TRAPELO RD.	111 + 78	LT	1
TRAPELO RD.	111 + 93	MED	1
TRAPELO RD.	112 + 16	MED	1
TRAPELO RD.	112 + 18	LT	1
TRAPELO RD.	112 + 40	MED	1
TRAPELO RD.	112 + 64	MED	1
TRAPELO RD.	113 + 68	LT	1
TRAPELO RD.	114 + 31	LT	1

TOTAL 122 EA

SAY	122	EA
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775.054

HORNBEAM -FASTIGIATE 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	91 + 91	RT	1
TRAPELO RD.	92 + 9	RT	1
TRAPELO RD.	92 + 86	LT	1
TRAPELO RD.	93 + 99	LT	1
TRAPELO RD.	94 + 32	LT	1
TRAPELO RD.	96 + 73	RT	1
TRAPELO RD.	96 + 95	RT	1
TRAPELO RD.	98 + 34	RT	1
TRAPELO RD.	104 + 24	LT	1
TRAPELO RD.	109 + 3	LT	1
TRAPELO RD.	111 + 39	LT	1

TOTAL 11 EA

SAY	11	EA
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775.061

**PAGODA TREE 'REGENT' 2-2.5 INCH
CALIPER**

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
LEXINGTON ST.	0 + 57	MED	1
LEXINGTON ST.	0 + 75	MED	1
TRAPELO RD.	34 + 26	MED	1
TRAPELO RD.	133 + 17	RT	1
TRAPELO RD.	133 + 97	RT	1
TRAPELO RD.	134 + 27	RT	1
TRAPELO RD.	134 + 57	RT	1
TRAPELO RD.	134 + 87	RT	1

TOTAL 8 EA

SAY	8	EA
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775.148

LINDEN - LITTLE LEAF 'GREENSPIRE' 2-2.5
INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	84 + 22	RT	1
TRAPELO RD.	84 + 60	RT	1
TRAPELO RD.	84 + 89	RT	1
TRAPELO RD.	84 + 94	RT	1
TRAPELO RD.	90 + 76	RT	1
TRAPELO RD.	91 + 3	RT	1
TRAPELO RD.	91 + 28	RT	1
TRAPELO RD.	91 + 78	LT	1
TRAPELO RD.	92 + 26	LT	1
TRAPELO RD.	92 + 29	RT	1
TRAPELO RD.	92 + 54	LT	1
TRAPELO RD.	92 + 54	RT	1
TRAPELO RD.	93 + 18	LT	1
TRAPELO RD.	93 + 43	LT	1
TRAPELO RD.	93 + 84	RT	1
TRAPELO RD.	94 + 39	RT	1
TRAPELO RD.	94 + 60	LT	1
TRAPELO RD.	94 + 85	RT	1
TRAPELO RD.	94 + 90	MED	1
TRAPELO RD.	95 + 22	MED	1
TRAPELO RD.	97 + 8	LT	1
TRAPELO RD.	97 + 25	LT	1
TRAPELO RD.	97 + 26	RT	1
TRAPELO RD.	98 + 39	LT	1
TRAPELO RD.	99 + 34		1

TOTAL 25 EA

SAY	25	EA
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775.437

LOCUST-HONEY-'SKYLINE' 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
CHURCH ST.	0 + 94	LT	1
N. COMMON ST.	0 + 99	MED	1
S. COMMON ST.	1 + 12	LT	1
N. COMMON ST.	1 + 17	RT	1
N. COMMON ST.	1 + 54	RT	1
CHURCH ST.	1 + 69	RT	1
N. COMMON ST.	1 + 79	LT	1
S. COMMON ST.	1 + 92	LT	1
S. COMMON ST.	1 + 94	RT	1
CHURCH ST.	1 + 95	RT	1
N. COMMON ST.	2 + 6	LT	1
CHURCH ST.	2 + 21	RT	1
S. COMMON ST.	2 + 24	RT	1
S. COMMON ST.	2 + 30	LT	1
CHURCH ST.	2 + 45	LT	1
S. COMMON ST.	2 + 59	LT	1
TRAPELO RD.	3 + 0	RT	1
S. COMMON ST.	3 + 23	LT	1
N. COMMON ST.	3 + 26	RT	1
S. COMMON ST.	3 + 50	RT	1
N. COMMON ST.	3 + 53	RT	1
N. COMMON ST.	3 + 80	RT	1
CHURCH ST.	22 + 47	RT	1
TRAPELO RD.	88 + 18	LT	1

TOTAL 24 EA

SAY	24	EA
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776.042

MAPLE- HEDGE 1.5-2 INCH CALIPER

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	65 + 85	RT	1	
TRAPELO RD.	65 + 96	RT	1	
TRAPELO RD.	66 + 6	RT	1	
TRAPELO RD.	67 + 93	LT	1	
TRAPELO RD.	68 + 8	LT	1	
TRAPELO RD.	69 + 0	LT	1	
	TOTAL		6	EA

SAY	6	EA
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776.523

**MAPLE - RED- 'ARMSTRONG' 2-2.5 INCH
CALIPER**

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>
GROVE ST.	0 + 58	RT	1
LEXINGTON	1 + 28	RT	1
TRAPELO RD.	39 + 95	LT	1
TRAPELO RD.	40 + 26	RT	1
TRAPELO RD.	40 + 72	RT	1
TRAPELO RD.	42 + 35	RT	1
TRAPELO RD.	42 + 56	RT	1
TRAPELO RD.	42 + 77	RT	1
TRAPELO RD.	43 + 24	RT	1
TRAPELO RD.	122 + 64	LT	1
TRAPELO RD.	122 + 78	RT	1
TRAPELO RD.	123 + 0	LT	1
TRAPELO RD.	123 + 38	RT	1
TRAPELO RD.	123 + 77	RT	1
TRAPELO RD.	124 + 46	RT	1
TRAPELO RD.	124 + 72	RT	1
TRAPELO RD.	126 + 7	RT	1
TRAPELO RD.	126 + 40	LT	1
TRAPELO RD.	126 + 69	LT	1
TRAPELO RD.	127 + 71	RT	1
TRAPELO RD.	129 + 28	RT	1
	TOTAL	21	EA

SAY	21	EA
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776.543

**MAPLE - RED -'OCTOBER GLORY' 2.5-3 INCH
 CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
ARLINGTON ST.	1 + 98	RT	1
ARLINGTON ST.	2 + 2	LT	1
ARLINGTON ST.	2 + 32	LT	1
ARLINGTON ST.	2 + 95	RT	1
SCHOOL ST.	0 + 16	MED	1
SCHOOL ST.	0 + 76	MED	1
SCHOOL ST.	0 + 90	LT	1
SCHOOL ST.	0 + 97	MED	1
SCHOOL ST.	1 + 36	MED	1
SCHOOL ST.	1 + 45	LT	1
SCHOOL ST.	1 + 57	MED	1
SCHOOL ST.	1 + 80	LT	1
TEMPLETON PKW.	0 + 76	LT	1
TEMPLETON PKW.	1 + 4	LT	1
TEMPLETON PKW.	1 + 12	RT	1
TEMPLETON PKW.	1 + 32	LT	1
TEMPLETON PKW.	1 + 51	RT	1
TRAPELO RD.	116 + 15	LT	1
TRAPELO RD.	116 + 50	RT	1
TRAPELO RD.	116 + 58	LT	1
TRAPELO RD.	117 + 48	RT	1
TRAPELO RD.	117 + 74	RT	1
TRAPELO RD.	117 + 80	LT	1
TRAPELO RD.	118 + 7	RT	1
TRAPELO RD.	118 + 16	LT	1
TRAPELO RD.	118 + 30	RT	1
TRAPELO RD.	118 + 61	RT	1
TRAPELO RD.	118 + 85	LT	1
TRAPELO RD.	119 + 18	RT	1
TRAPELO RD.	119 + 31	RT	1
TRAPELO RD.	119 + 32	MED	1
TRAPELO RD.	119 + 41	MED	1
TRAPELO RD.	119 + 49	RT	1
TRAPELO RD.	122 + 40	RT	1
TRAPELO RD.	125 + 1	RT	1
TRAPELO RD.	126 + 62	RT	1
TRAPELO RD.	127 + 13	LT	1
TRAPELO RD.	128 + 3	LT	1
TRAPELO RD.	128 + 33	LT	1
TRAPELO RD.	128 + 94	RT	1
TRAPELO RD.	129 + 16	LT	1
TRAPELO RD.	129 + 93	RT	1
TRAPELO RD.	130 + 33	RT	1
TRAPELO RD.	130 + 52	LT	1
TRAPELO RD.	131 + 11	RT	1
TRAPELO RD.	133 + 5	LT	1
TRAPELO RD.	133 + 48	LT	1
TRAPELO RD.	134 + 10	LT	1
TRAPELO RD.	136 + 86	RT	1
TRAPELO RD.	137 + 52	RT	1
	TOTAL	50	EA

SAY	50	EA
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777.036

**OAK - NORTHERN RED 2-2.5 INCH
CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	21 + 24	LT	1
TRAPELO RD.	22 + 19	LT	1
TRAPELO RD.	22 + 51	LT	1
TRAPELO RD.	22 + 81	LT	1
TRAPELO RD.	23 + 13	LT	1
TRAPELO RD.	23 + 45	LT	1
TRAPELO RD.	99 + 65	RT	1
TRAPELO RD.	99 + 86	RT	1
TRAPELO RD.	99 + 99	RT	1

TOTAL 9 EA

SAY	9	EA
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777.142

**OAK - PIN GREEN PILLAR 3-3.5 INCH
CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	75 + 27	LT	1
TRAPELO RD.	82 + 7	RT	1
TRAPELO RD.	82 + 51	RT	1
TRAPELO RD.	82 + 83	RT	1
TRAPELO RD.	137 + 87	RT	1
TRAPELO RD.	138 + 51	RT	1
TRAPELO RD.	138 + 78	RT	1
TRAPELO RD.	139 + 13	RT	1
TRAPELO RD.	139 + 44	RT	1
TRAPELO RD.	139 + 93	RT	1
TRAPELO RD.	141 + 68	RT	1
TRAPELO RD.	143 + 67	LT	1
TRAPELO RD.	143 + 93	LT	1
TRAPELO RD.	144 + 18	LT	1
TRAPELO RD.	145 + 59	RT	1

TOTAL 15 EA

SAY	15	EA
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777.164

**OAK -PYRAMIDAL ENGLISH 2-2.5 INCH
 CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	45 + 48	LT	1
TRAPELO RD.	46 + 7	LT	1
TRAPELO RD.	46 + 40	LT	1
TRAPELO RD.	46 + 67	LT	1
TRAPELO RD.	47 + 40	LT	1
TRAPELO RD.	51 + 33	LT	1
TRAPELO RD.	53 + 61	RT	1
TRAPELO RD.	53 + 84	LT	1
TRAPELO RD.	53 + 84	RT	1
TRAPELO RD.	54 + 15	LT	1
TRAPELO RD.	54 + 46	LT	1
TRAPELO RD.	54 + 52	RT	1
TRAPELO RD.	54 + 70	RT	1
TRAPELO RD.	54 + 77	LT	1
TRAPELO RD.	55 + 8	LT	1
TRAPELO RD.	55 + 46	LT	1
TRAPELO RD.	56 + 86	LT	1
TRAPELO RD.	57 + 7	LT	1
TRAPELO RD.	59 + 56	RT	1
TRAPELO RD.	60 + 11	LT	1
TRAPELO RD.	60 + 24	RT	1
TRAPELO RD.	60 + 48	LT	1

TOTAL 22 EA

SAY	22	EA
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777.241

OAK - SCARLET 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	75 + 3	RT	1
TRAPELO RD.	76 + 42	LT	1
TRAPELO RD.	76 + 76	RT	1
TRAPELO RD.	77 + 12	LT	1
TRAPELO RD.	77 + 88	LT	1
TRAPELO RD.	78 + 48	LT	1
TRAPELO RD.	78 + 85	RT	1
TRAPELO RD.	78 + 91	LT	1
TRAPELO RD.	79 + 14	RT	1
TRAPELO RD.	79 + 55	LT	1
TRAPELO RD.	79 + 75	RT	1
TRAPELO RD.	80 + 10	LT	1
TRAPELO RD.	80 + 12	RT	1
TRAPELO RD.	80 + 41	RT	1
TRAPELO RD.	80 + 68	LT	1
TRAPELO RD.	81 + 43	LT	1
TRAPELO RD.	81 + 66	RT	1
TRAPELO RD.	81 + 83	LT	1
TRAPELO RD.	82 + 29	LT	1
TRAPELO RD.	82 + 94	LT	1
TRAPELO RD.	83 + 35	MED	1
TRAPELO RD.	83 + 62	MED	1
TRAPELO RD.	84 + 29	LT	1
TRAPELO RD.	137 + 93	LT	1
TRAPELO RD.	142 + 18	RT	1
TRAPELO RD.	142 + 61	LT	1
TRAPELO RD.	142 + 91	RT	1
TRAPELO RD.	143 + 85	RT	1
TRAPELO RD.	144 + 25	RT	1
TRAPELO RD.	144 + 62	RT	1
TRAPELO RD.	145 + 9	RT	1
TRAPELO RD.	145 + 17	LT	1
TRAPELO RD.	145 + 77	LT	1
TRAPELO RD.	146 + 28	RT	1
TRAPELO RD.	146 + 30	LT	1
TOTAL			35 EA

SAY	35	EA
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777.331

OAK - WHITE 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
MILL ST.	0 + 90	RT	1
MILL ST.	1 + 18	RT	1
MILL ST.	1 + 43	RT	1
MILL ST.	1 + 68	RT	1
TRAPELO RD.	19 + 34	LT	1
TRAPELO RD.	20 + 87	RT	1
TRAPELO RD.	21 + 24	RT	1
TRAPELO RD.	21 + 58	RT	1
TRAPELO RD.	21 + 92	RT	1

TOTAL 9 EA

SAY	9	EA
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777.542

PLANETREE - LONDON 2-2.5 INCH
CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
CHURCH ST.	1 + 21	RT	1
CHURCH ST.	1 + 59	RT	1
CHURCH ST.	1 + 94	RT	1
CHURCH ST.	2 + 31	RT	1
CHURCH ST.	2 + 67	RT	1
CHURCH ST.	3 + 2	RT	1
TRAPELO RD.	31 + 92	LT	1
TRAPELO RD.	32 + 17	RT	1
TRAPELO RD.	33 + 13	RT	1
TRAPELO RD.	33 + 27	RT	1
TRAPELO RD.	33 + 57	RT	1
TRAPELO RD.	35 + 52	LT	1
		TOTAL	12 EA

SAY	12	EA
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778.412

**CRABAPPLE - 'ADIRONDACK' 1.5-2 INCH
 CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	42 + 84	LT	1
TRAPELO RD.	43 + 1	LT	1
TRAPELO RD.	89 + 15	RT	1
TRAPELO RD.	89 + 26	RT	1
TRAPELO RD.	113 + 0	LT	1
TRAPELO RD.	119 + 41	RT	1
TRAPELO RD.	119 + 53	RT	1
TRAPELO RD.	119 + 66	RT	1
TRAPELO RD.	119 + 79	RT	1
TRAPELO RD.	119 + 92	RT	1
TRAPELO RD.	120 + 3	RT	1
TRAPELO RD.	127 + 0	RT	1

TOTAL 12 EA

SAY	12	EA
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781.152

GINKO- BILBOA 2-2.5 INCH CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	61 + 19	LT	1
TRAPELO RD.	61 + 54	LT	1
TRAPELO RD.	61 + 67	MED	1
TRAPELO RD.	61 + 69	RT	1
TRAPELO RD.	61 + 93	MED	1
TRAPELO RD.	61 + 99	LT	1
TRAPELO RD.	62 + 18	MED	1
TRAPELO RD.	62 + 19	RT	1
TRAPELO RD.	62 + 91	LT	1
TRAPELO RD.	63 + 0	MED	1
TRAPELO RD.	63 + 25	MED	1
TRAPELO RD.	63 + 50	MED	1
TRAPELO RD.	63 + 57	RT	1
TRAPELO RD.	64 + 14	RT	1
TRAPELO RD.	64 + 55	RT	1
TRAPELO RD.	64 + 92	RT	1
TRAPELO RD.	65 + 18	RT	1
TRAPELO RD.	66 + 26	LT	1
TRAPELO RD.	67 + 34	LT	1
TRAPELO RD.	67 + 60	MED	1
TRAPELO RD.	67 + 65	LT	1
TRAPELO RD.	67 + 86	MED	1
TRAPELO RD.	68 + 14	MED	1
TRAPELO RD.	68 + 94	RT	1
TRAPELO RD.	69 + 50	RT	1
TRAPELO RD.	69 + 77	RT	1
TRAPELO RD.	70 + 11	RT	1
TRAPELO RD.	70 + 49	RT	1
TRAPELO RD.	70 + 79	RT	1
TRAPELO RD.	72 + 30	LT	1
TRAPELO RD.	72 + 85	LT	1
TRAPELO RD.	72 + 97	MED	1
TRAPELO RD.	73 + 32	LT	1

TOTAL 33 EA

SAY	33	EA
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781.155

**GINKO- BILBOA 'FASTIGIATA' 2-2.5 INCH
CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	61 + 94	RT	1
TRAPELO RD.	62 + 53	RT	1
TRAPELO RD.	72 + 97	RT	1

TOTAL 3 EA

SAY	3	EA
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781.578

**LILAC TREE -JAPANESE 1.5-2 INCH
CALIPER**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	124 + 98	LT	1	
TRAPELO RD.	125 + 41	LT	1	
TRAPELO RD.	139 + 51	LT	1	
TRAPELO RD.	140 + 32	RT	1	
TRAPELO RD.	140 + 49	RT	1	
		TOTAL	5	EA

SAY	5	EA
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782.252

MOUNTAIN ASH - KOREAN- PYRAMIDAL
1.5-2 INCH CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
CHURCH ST.	3 + 6	LT	1
CHURCH ST.	3 + 38	LT	1
CHURCH ST.	3 + 68	LT	1
LEXINGTON ST.	0 + 79	RT	1

TOTAL 4 EA

SAY	4	EA
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782.423

PEAR - CALLERY - 'CHANTICLEER' 2-2.5
INCH CALIPER

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
N. COMMON ST.	2 + 4	RT	1
N. COMMON ST.	2 + 39	LT	1
N. COMMON ST.	2 + 53	RT	1
N. COMMON ST.	2 + 65	RT	1
N. COMMON ST.	2 + 84	LT	1
N. COMMON ST.	3 + 25	LT	1
S. COMMON ST.	0 + 74	RT	1
S. COMMON ST.	1 + 12	RT	1
TRAPELO RD.	2 + 16	RT	1
TRAPELO RD.	84 + 96	LT	1
TRAPELO RD.	85 + 25	LT	1
TRAPELO RD.	85 + 57	LT	1
TRAPELO RD.	85 + 88	LT	1
TRAPELO RD.	90 + 47	RT	1
TOTAL			14 EA

SAY	14	EA
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785.643

INKBERRY-DENSA 2-3 FEET

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	62 + 0	RT-12	12	
TRAPELO RD.	62 + 50	RT-4	4	
TRAPELO RD.	66 + 65	4, LT	4	
TRAPELO RD.	87 + 60	9, LT	9	
TRAPELO RD.	99 + 91	13, RT	13	
		TOTAL	42	EA
			42	EA

SAY	42	EA
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786.461

JUNIPER - SARGENT'S 15-18 INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	87 + 24	6, RT	6	
TRAPELO RD.	87 + 60	2, LT	2	
		TOTAL	8	EA
		SAY	8	EA

786.471

JUNIPER - 'SEAGREEN' 18-24 INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	65 + 62	MED	6	
TRAPELO RD.	73 + 8	MED	6	
TRAPELO RD.	86 + 80	MED	8	
TRAPELO RD.	90 + 8	MED	6	
TRAPELO RD.	92 + 15	MED	6	
		TOTAL	32	EA
SAY			32	EA

787.245

YEW - HICK'S 30-36 INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	122 + 21	8, RT	8	
		TOTAL	8	EA
		SAY	8	EA

787.262

YEW - SPREADING ENGLISH 15-18 INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	86 + 60	LT	9	
TRAPELO RD.	87 + 60	LT	3	
TRAPELO RD.	88 + 17	LT	4	
		TOTAL	16	EA
			SAY	16 EA

791.251

FORSYTHIA – ‘ARNOLDS DWARF’ 15-24
INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
ARLINGTON ST.	1 + 53	RT	1	
		TOTAL	1	EA
		SAY	1	EA

793.331

PRIVET - REGAL 18-24 INCH

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
ARLINGTON ST.	1 + 50	RT	3	
ARLINGTON ST.	2 + 38	RT	1	
ARLINGTON ST.	2 + 80	RT	4	
TRAPELO RD.	145 + 89	LT	1	
		TOTAL	9	EA
			SAY	9 EA

796.011

BEARBERRY 2 GALLON

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	88 + 17	LT	9	
		TOTAL	9	EA
		SAY	9	EA

796.432

DWARF FOUNTAIN GRASS - 'HAMELN' 1
GALLON

EA

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO RD.	87 + 24	RT	20	
TRAPELO RD.	87 + 60	LT	12	
TRAPELO RD.	87 + 60	LT	16	
TRAPELO RD.	88 + 17	LT	14	
		TOTAL	62	EA

SAY	62	EA
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804.3

3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)

FT

<u>LOCATION</u>	<u>QTY.</u>	
1	580	
2	605	
3	540	
4	585	
5	330	
6	450	
7	230	
8	350	
9	700	
10	110	
11	175	
12	505	
13	560	
TOTAL	5720	FT

SAY	5,720	FT
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804.32 3 INCH ELECTRICAL CONDUIT TYPE NM (DOUBLE) - PLASTIC (UL) LF

<u>LOCATION</u>	<u>QTY.</u>	
1	192	
2	26	
3	205	
4	165	
5	176	
6	78	
7	40	
8	20	
9	0	
10	0	
11	50	
12	38	
13	0	
TOTAL	990	FT

SAY	990	FT
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804.33

**3 INCH ELECTRICAL CONDUIT TYPE NM (TRIPLE) -
PLASTIC (UL)**

LF

<u>LOCATION</u>	<u>QTY.</u>	
1	0	
2	0	
3	0	
4	27	
5	19	
6	0	
7	0	
8	22	
9	0	
10	20	
11	0	
12	0	
13	0	
TOTAL	88	FT

SAY	90	FT
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811.31

PULL BOX 12 X 12 INCHES - SD2.031

EA

Quantity	Unit	Item
6	EA	LOCATION 1
3	EA	LOCATION 2
3	EA	LOCATION 3
4	EA	LOCATION 4
1	EA	LOCATION 5
3	EA	LOCATION 6
4	EA	LOCATION 7
1	EA	LOCATION 8
1	EA	LOCATION 9
1	EA	LOCATION 10
2	EA	LOCATION 11
2	EA	LOCATION 12
4	EA	LOCATION 13

SAY	35	EA
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811.32

PULL BOX 12 X 24 INCHES

EA

Quantity	Unit	Item
3	EA	LOCATION 1
1	EA	LOCATION 2
3	EA	LOCATION 3
2	EA	LOCATION 4
3	EA	LOCATION 5
1	EA	LOCATION 6
1	EA	LOCATION 7
2	EA	LOCATION 8
4	EA	LOCATION 9
0	EA	LOCATION 10
0	EA	LOCATION 11
2	EA	LOCATION 12
1	EA	LOCATION 13

SAY	23	EA
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811.36

ELECTRIC MANHOLE ADJUSTED

EA

STREET	STATION	SIDE	QTY.
TRAPELO RD	49+18.00	Rt	1
TRAPELO RD	52+53.30	Rt	1
TRAPELO RD	56+05.50	Rt	1
TRAPELO RD	59+44.60	Rt	1
TRAPELO RD	82+64.90	Rt	1
TRAPELO RD	83+49.50	Rt	1
TRAPELO RD	86+75.50	Rt	1
TRAPELO RD	89+09.60	Rt	1
TRAPELO RD	89+82.70	Rt	1
TRAPELO RD	91+63.00	Rt	1
TRAPELO RD	94+00.00	Rt	1
TRAPELO RD	98+31.00	Rt	1
BELMONT RD	101+25.00	Rt	1
BELMONT RD	103+71.70	Rt	1
BELMONT RD	106+59.50	Rt	1

SUBTOTAL 15 EA

FOR ESTIMATING PURPOSES 0 EA

TOTAL 15 EA

SAY	15	EA
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813.79

INTERCONNECT CABLE SYSTEM

LS

Quantity	Unit	Station	Unit Cost	Total Cost
3464	LF		\$ 5.50	\$19,052.00
	LF			
	LF			
	LF			

JOBWIDE LUMP SUM

COST \$20,000

SAY	1	LS
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823.75

MBTA CATENARY POLE REMOVED AND STACKED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELLO RD	35+38.70	LEFT	1
TRAPELLO RD	39+91.01	LEFT	1
TRAPELLO RD	37+83.92	LEFT	1
CHURCH	03+18.64	LEFT	1
CHURCH	02+90.33	LEFT	1
TRAPELLO RD	38+69.02	LEFT	1
TRAPELLO RD	41+10+47	LEFT	1
TRAPELLO RD	42+25.29	RIGHT	1
TRAPELLO RD	51+64.18	LEFT	1
TRAPELLO RD	52+75.41	LEFT	1
TRAPELLO RD	53+98.43	LEFT	1
TRAPELLO RD	55+11.04	LEFT	1
TRAPELLO RD	56+23+83	LEFT	1
TRAPELLO RD	57+52.19	RIGHT	1
TRAPELLO RD	57+73.56	LEFT	1
TRAPELLO RD	67+51.00	RIGHT	1
TRAPELLO RD	74+24.02	RIGHT	1
TRAPELLO RD	84+49.76	LEFT	1
TRAPELLO RD	92+75.77	LEFT	1
TRAPELLO RD	92+86.47	RIGHT	1
TRAPELLO RD	98+88.06	LEFT	1
TRAPELLO RD	99+89.41	LEFT	1
TRAPELLO RD	100+83.43	LEFT	1
TRAPELLO RD	101+40+78	LEFT	1
TRAPELLO RD	102+41.06	LEFT	1
BELMONT ST	104+07.42	RIGHT	1
BELMONT ST	104+51.80	RIGHT	1
BELMONT ST	106+84.02	LEFT	1
BELMONT ST	108+89.95	LEFT	1
BELMONT ST	110+03.05	LEFT	1
BELMONT ST	111+26.77	LEFT	1
BELMONT ST	112+42.62	LEFT	1
BELMONT ST	115+95.72	RIGHT	1
BELMONT ST	116+85.11	RIGHT	1
BELMONT ST	118+37.34	LEFT	1
BELMONT ST	118+40.87	RIGHT	1
BELMONT ST	119+37.03	LEFT	1
BELMONT ST	120+13.35	LEFT	1
BELMONT ST	120+54.94	RIGHT	1
BELMONT ST	121.50.67	LEFT	1
BELMONT ST	122+87.83	RIGHT	1
BELMONT ST	123+97.33	RIGHT	1
BELMONT ST	124+93.69	RIGHT	1
BELMONT ST	126+06+12	RIGHT	1
BELMONT ST	127+38.40	RIGHT	1
BELMONT ST	128+08.41	LEFT	1
BELMONT ST	128+49.33	RIGHT	1
BELMONT ST	129+28.76	LEFT	1
BELMONT ST	130+60.47	RIGHT	1
BELMONT ST	131+35.58	LEFT	1
BELMONT ST	131+42.89	RIGHT	1
BELMONT ST	132+59.96	RIGHT	1
BELMONT ST	133+93.36	RIGHT	1
BELMONT ST	136+66.93	RIGHT	1
BELMONT ST	137+76.28	RIGHT	1
BELMONT ST	139+74.73	RIGHT	1
BELMONT ST	142+40.33	LEFT	1
BELMONT ST	142+44.53	LEFT	1
BELMONT ST	144+01.26	LEFT	1

TOTAL 59 EA

SAY	59	EA
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823.76

MBTA CATENARY POLE

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELLO RD	35+43.05	LEFT	1
TRAPELLO RD	36+94.30	LEFT	1
TRAPELLO RD	37+81.53	LEFT	1
CHURCH	03+19.21	LEFT	1
CHURCH	02+80.20	LEFT	1
TRAPELLO RD	38+76.05	LEFT	1
TRAPELLO RD	41+14.34	LEFT	1
TRAPELLO RD	42+26+37	RIGHT	1
TRAPELLO RD	51+62.83	LEFT	1
TRAPELLO RD	58+77.87	LEFT	1
TRAPELLO RD	53+96.04	LEFT	1
TRAPELLO RD	55+09.21	LEFT	1
TRAPELLO RD	56+27.79	LEFT	1
TRAPELLO RD	57+49.14	RIGHT	1
TRAPELLO RD	57+75+76	LEFT	1
TRAPELLO RD	67+53.78	RIGHT	1
TRAPELLO RD	74+31.27	RIGHT	1
TRAPELLO RD	84+66.26	LEFT	1
TRAPELLO RD	92+77.13	LEFT	1
TRAPELLO RD	92.+88.74	RIGHT	1
TRAPELLO RD	98+93.45	LEFT	1
TRAPELLO RD	99+75.40	LEFT	1
TRAPELLO RD	100+60.58	LEFT	1
TRAPELLO RD	101+36.98	LEFT	1
TRAPELLO RD	102+44.94	LEFT	1
BELMONT ST	104+14.03	RIGHT	1
BELMONT ST	104+40.46	RIGHT	1
BELMONT ST	106+79.59	LEFT	1
BELMONT ST	108+96.42	LEFT	1
BELMONT ST	110+08.98	LEFT	1
BELMONT ST	111+31.29	LEFT	1
BELMONT ST	112+44.81	LEFT	1
BELMONT ST	115+94.52	RIGHT	1
BELMONT ST	116+90.14	RIGHT	1
BELMONT ST	118+33.43	LEFT	1
BELMONT ST	118+34.94	RIGHT	1
BELMONT ST	119+32.02	LEFT	1
BELMONT ST	120+28.23	LEFT	1
BELMONT ST	120+50.86	RIGHT	1
BELMONT ST	121+46.12	LEFT	1
BELMONT ST	122+83.91	RIGHT	1
BELMONT ST	123+92.98	RIGHT	1
BELMONT ST	124+87.02	RIGHT	1
BELMONT ST	126+01.64	RIGHT	1
BELMONT ST	127+34.00	RIGHT	1
BELMONT ST	128+02.31	LEFT	1
BELMONT ST	128+45.35	RIGHT	1
BELMONT ST	129+36.73	LEFT	1
BELMONT ST	130+36.61	RIGHT	1
BELMONT ST	131+40.58	LEFT	1
BELMONT ST	131+37.04	RIGHT	1
BELMONT ST	132+54.27	RIGHT	1
BELMONT ST	133+96.91	RIGHT	1
BELMONT ST	136+71.52	RIGHT	1
BELMONT ST	137+71.22	RIGHT	1
BELMONT ST	139+79.13	RIGHT	1
BELMONT ST	142+45.13	LEFT	1
BELMONT ST	142+40.08	LEFT	1
BELMONT ST	144+03.75	LEFT	1

TOTAL 59 EA

SAY	59	EA
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823.77

MBTA CATENARY POLE - CLEANED AND PAINTED

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELLO RD	34+69.53	RIGHT	1
LEXINGTON ST	01+06.83	BOTH	2
LEXINGTON ST	01+46.48	LEFT	1
LEXINGTON ST	01+71.47	RIGHT	1
LEXINGTON ST	03+11.00	LEFT	1
LEXINGTON ST	03+31.28	RIGHT	1
CHURCH	00+68.07	BOTH	2
CHURCH	03+17.65	BOTH	2
CHURCH	03+79.55	LEFT	1
TRAPELLO RD	36+55.44	LEFT	1
TRAPELLO RD	37+94.73	LEFT	1
TRAPELLO RD	38+44.91	LEFT	1
TRAPELLO RD	38+74.04	LEFT	1
TRAPELLO RD	39+98.63	LEFT	1
TRAPELLO RD	43+01.70	RIGHT	1
TRAPELLO RD	45+01.24	RIGHT	1
TRAPELLO RD	45+94.52	LEFT	1
TRAPELLO RD	46+75.08	BOTH	2
TRAPELLO RD	47+78.33	LEFT	1
TRAPELLO RD	48+98.77	RIGHT	1
TRAPELLO RD	50+41.11	LEFT	1
TRAPELLO RD	58+69.34	BOTH	2
TRAPELLO RD	59+64.22	BOTH	2
TRAPELLO RD	60+97.26	BOTH	2
TRAPELLO RD	62+15.29	BOTH	2
TRAPELLO RD	63+35.38	BOTH	2
TRAPELLO RD	63+83.10	LEFT	1
TRAPELLO RD	64+59.71	BOTH	2
TRAPELLO RD	65+50.00	BOTH	2
TRAPELLO RD	66+43.82	BOTH	2
TRAPELLO RD	67+56.96	BOTH	2
TRAPELLO RD	68+55.64	LEFT	1
TRAPELLO RD	68+79.88	RIGHT	1
TRAPELLO RD	69+92.07	BOTH	2
TRAPELLO RD	70+60.64	RIGHT	1
TRAPELLO RD	71+11.00	RIGHT	1
SLADE ST		RIGHT	1
TRAPELLO RD	72+00.00	BOTH	2
TRAPELLO RD	72+62.07	RIGHT	1
TRAPELLO RD	73+04.62	BOTH	2
TRAPELLO RD	73+86.56	RIGHT	1
TRAPELLO RD	74+59.41	RIGHT	1
TRAPELLO RD	75+19.15	BOTH	2
TRAPELLO RD	76+20.32	BOTH	2
TRAPELLO RD	77+45.51	BOTH	2
TRAPELLO RD	78+36.51	BOTH	2
TRAPELLO RD	79+88.88	LEFT	1
TRAPELLO RD	80+00.00	RIGHT	1
TRAPELLO RD	81+28.17	BOTH	2
TRAPELLO RD	82+40.09	RIGHT	1
TRAPELLO RD	83+77.77	BOTH	2
TRAPELLO RD	84+53.23	LEFT	1
TRAPELLO RD	85+46.49	LEFT	1
TRAPELLO RD	85+74.11	RIGHT	1
TRAPELLO RD	86+38.75	BOTH	2
TRAPELLO RD	87+56.13	BOTH	2
TRAPELLO RD	88+50.00	BOTH	2
TRAPELLO RD	89+34.84	BOTH	2
TRAPELLO RD	90+58.59	LEFT	1
TRAPELLO RD	91+54.91	BOTH	2
TRAPELLO RD	94+16.30	BOTH	2
TRAPELLO RD	95+11.88	BOTH	2
TRAPELLO RD	96+20.46	BOTH	2
TRAPELLO RD	97+40.54	BOTH	2

TRAPELO RD	98+18.76	BOTH	2	
TRAPELO RD	98+78.78	BOTH	2	
TRAPELO RD	99+82.24	LEFT	1	
TRAPELO RD	100+75.15	BOTH	2	
TRAPELO RD	101+34.85	LEFT	1	
TRAPELO RD	102+49.24	LEFT	1	
BELMONT ST		BOTH		5 BEFORE IT MEETS TRAPELO RD
BELMONT ST	103+47.66	BOTH	2	
BELMONT ST	104+00.00	BOTH	2	
BELMONT ST	104+74.86	RIGHT	1	
BELMONT ST	105+15.87	RIGHT	1	
BELMONT ST	105+64.22	BOTH	2	
BELMONT ST	106+77.55	LEFT	1	
BELMONT ST	107+76.28	BOTH	2	
BELMONT ST	108+91.91	LEFT	1	
BELMONT ST	110+06.64	LEFT	1	
BELMONT ST	111+27.17	LEFT	1	
BELMONT ST	112+42.61	LEFT	1	
BELMONT ST	1113+54.44	RIGHT	1	
BELMONT ST	113+86.17	LEFT	1	
BELMONT ST	114+73.35	BOTH	2	
BELMONT ST	115+89.88	RIGHT	1	
BELMONT ST	117+25.28	RIGHT	1	
BELMONT ST	119+61.94	LEFT	1	
BELMONT ST	121+77.76	LEFT	1	
BELMONT ST	122+80.87	RIGHT	1	
BELMONT ST	123+92.37	RIGHT	1	
BELMONT ST	124+88.06	RIGHT	1	
BELMONT ST	126+03.47	RIGHT	1	
BELMONT ST	127+35.94	RIGHT	1	
BELMONT ST	129+34.79	LEFT	1	
BELMONT ST	130+45.60	RIGHT	1	
BELMONT ST	132+58.06	RIGHT	1	
BELMONT ST	133+92.78	RIGHT	1	
BELMONT ST	134+75.17	RIGHT	1	
BELMONT ST	135+15.37	RIGHT	1	
ARLINGTON ST	00+74.13	LEFT	1	
BELMONT ST	136+74.96	RIGHT	1	
BELMONT ST	137+69.53	RIGHT	1	
BELMONT ST	138+16.19	BOTH	2	
BELMONT ST	137+73.40	RIGHT	1	
BELMONT ST	141+16.37	LEFT	1	
BELMONT ST	143+41.42	RIGHT	2	
BELMONT ST	143+47+22	LEFT	1	
BELMONT ST	144+39.37	LEFT	1	
BELMONT ST	144+71.44	RIGHT	1	
BELMONT ST	145+47.42	RIGHT	2	
BELMONT ST	145+61.01	LEFT	1	
BELMONT ST	146+27.62	RIGHT	1	
BELMONT ST	146+48.67	LEFT	1	

TOTAL 160 EA

SAY	160	EA
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823.78

MBTA POLE PROTECTION

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELO ROAD	49+01.00	Rt	1	
TRAPELO ROAD	59+68.20	Rt	1	
TRAPELO ROAD	95+10.80	Rt	1	
TRAPELO ROAD	98+19.60	Rt	1	
BELMONT ROAD	10679.5	Rt	1	
		TOTAL	5	EA

SAY	5	EA
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826.51

FIRE ALARM BOX REMOVED AND RESET

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>	
TRAPELLO RD	86+45.00	LF	1	
		TOTAL	1	EA
		SAY	1	EA

827.21

**24 INCH WARNING CLUSTER (H1-2) - ALUMINUM
PANEL (TYPE A)**

EA

FROM SIGN SUMMARY SHEET (POST INCLUDED IN COST)

TOTAL 4 EA

SAY	4	EA
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831.1

**ROADSIDE GUIDE SIGN (FR) 25 SF & UNDER-
ALUM.PANEL(TYPE A)**

SF

FROM SIGN SUMMARY SHEET

<u>DESIGNATION</u>	<u>UNIT AREA</u>	<u>NUMBER</u>	<u>(SF) AREA</u>
D4-1L	5.00	2	10.00
D4-1R	5.00	1	5.00
D4-1SL	5.00	1	5.00
D4-1SR	5.00	1	5.00
D4-1V	5.00	1	5.00
D6-1	25.00	1	25.00
D8-1	10.00	1	10.00
D6-3	25.00	1	25.00
D8-3a	10.00	1	10.00
D8-3b	17.50	1	17.50

TOTAL 117.50 SF

SAY	118	SF
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832.1

**WARNING-REGULATORY AND ROUTE
MARKER - ALUM. PANEL (TYPE A)**

SF

FROM SIGN SUMMARY SHEET

<u>DESIGNATION</u>	<u>(SF) AREA</u>
M1-5 (60)	31.25
M3-2	2.00
M3-4	8.00
M5-2R	2.18
M6-2R	2.18
R1-1	293.75
R1-2	31.25
R2-1 (25)	10.00
R3-1	12.00
R3-2	4.00
R3-5L	37.50
R3-5R	7.50
R3-7L	143.75
R3-7R	31.25
R3-8C	7.50
R3-26	5.00
R4-4	7.50
R4-7	48.00
R5-1	50.00
R5-1A	3.75
R6-1	18.00
R3-8D	7.50
R7-1	4.50
R7-1L	9.00
R7-1R	16.50
R7-1D	40.50
R7-2A	1.50
R7-2AL	1.50
R7-2AR	1.50
R7-2D	1.50
R7-2L	1.50
R7-2R	1.50
R7-5A	37.50
R7-5AL	12.00
R7-5AR	7.50
R7-5BL	1.50
R7-5C	1.50
R7-5DL	1.50
R7-5DR	1.50
R7-6L	1.50
R7-6R	3.00
R7-8	22.50
R7-107 (ALL)	77.50
R7-108 (ALL)	102.00
R7-109	7.50
R7-200 (ALL)	15.00
R10-6L	24.00
R10-7	15.00
R10-11B	80.00
R10-12	0.00
R10-22	63.00
S1-1	37.50
W3-3	12.50
W4-2L	18.75
W4-2R	12.50
W11-2	137.50
W11-8	12.50
W11-12P	15.00
W16-7PL	52.00

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTWON, MA

CALCULATED BY JGI
CHECKED BY PJB

W16-9P

	4.00	
TOTAL	1619.61	SF
<hr/>		
SAY	1,620	SF

841.1

**SUPPORTS FOR GUIDE SIGN (D6 W/ D8-5 INCH
TUBULAR POST) STEEL**

EA

FROM SIGN SUMMARY SHEET

DESIGNATION

QTY.

3

TOTAL 3 EA

SAY	3	EA
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847.1

SIGN SUP (N/GUIDE)+RTE MKR
W/1 BRKWAY POST ASSEMBLY - STEEL

EA

FROM SIGN SUMMARY SHEET

<u>DESIGNATION</u>	<u>QTY.</u>
M1-5 (60)	1
M3-2	1
M3-4	3
M5-2R	0
M6-2R	0
R1-1	43
R1-2	3
R2-1 (25)	1
R3-1	0
R3-2	0
R3-5L	0
R3-5R	1
R3-7L	17
R3-7R	3
R3-8C	2
R3-26	1
R4-4	1
R4-7	14
R5-1	7
R5-1A	1
R6-1	3
R3-8D	0
R7-1	2
R7-1L	3
R7-1R	7
R7-1D	17
R7-2A	0
R7-2AL	1
R7-2AR	0
R7-2D	1
R7-2L	0
R7-2R	1
R7-5A	4
R7-5AL	5
R7-5AR	4
R7-5BL	0
R7-5C	0
R7-5DL	0
R7-5DR	1
R7-6L	1
R7-6R	1
R7-8	13
R7-107 (ALL)	25
R7-108 (ALL)	19
R7-109	2
R7-200 (ALL)	3
R10-6L	2
R10-7	1
R10-11B	8
R10-12	8
R10-22	41
S1-1	4
W3-3	2
W4-2L	1
W4-2R	1
W11-2	22
W11-8	2
W11-12P	0
W16-7PL	0
W16-9P	0

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTOWN, MA

CALCULATED BY JGI
CHECKED BY PJB

TOTAL 304 EA

SAY	305	EA
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850.41

ROADWAY FLAGGER
CONSTRUCTION OPERATIONS

HR

	30	MONTHS OF CONSTRUCTION
	0.2	UTILIZED DURING A PORTION OF CONSTRUCTION
X	21.6667	21.6667 WORKING DAYS/MONTH
X	8	HOURS PER DAY
X	2	2 FLAGGERS
TOTAL:	2080.00	HR

SAY	2,090	HR
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851.

SAFETY CONTROLS FOR
CONSTRUCTION OPERATIONS

UD

30 MONTHS OF CONSTRUCTION
X 21.6667 21.6667 WORKING DAYS/MONTH
TOTAL: 650.001 UD

SAY	651	UD
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852.

**SAFETY SIGNING FOR CONSTRUCTION
 OPERATIONS**

SF

FROM TMP SIGN SUMMARY SHEET

<u>DESIGNATION</u>	<u>(SF) AREA</u>
R2-10a	300
R3-7R/L	25
R4-7	20
R9-8	18
R9-9	16
R9-10	16
R9-11aR/L	16
W1-4R/L	72
W4-2L	18
W4-7R/L	36
W5-1	36
W8-3	36
W8-8	36
W11-2	25
W12-1	12.5
W16-7pR/L	8
W20-9(AHD)	540
W20-5R/L/C	45
W20-7a	36
W20-8 (AHD)	36
W21-5aR	18
W30-8R	18
G20-2	270

TOTAL 1653.5 SF

SAY	1,660	SF
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853.1

PORTABLE BREAKAWAY BARRICADE TYPE III

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
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20

SUBTOTAL	20	EA
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FOR ESTIMATING PURPOSES	0	EA
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TOTAL	20	EA
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SAY	20	EA
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853.2

**TEMPORARY PRECAST CONCRETE
 MEDIAN BARRIER**

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF) LENGTH</u>
	<u>START</u>	<u>END</u>		
CONTINGENCY				200

SUBTOTAL	200	LF
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FOR ESTIMATING PURPOSES	0	LF
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TOTAL	200	LF
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SAY	200	LF
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853.21

TEMPORARY PRECAST CONCRETE
MEDIAN BARRIER REMOVED AND RESET

LF

<u>STREET</u>	<u>STATION</u>		<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
	<u>START</u>	<u>END</u>		
CONTINGENCY				400

SUBTOTAL	400	LF
FOR ESTIMATING PURPOSES	0	LF
TOTAL	400	LF
SAY	400	LF

853.41

**TEMP.IMP.ATTENUATOR FOR
 SHLDR INCAPABLE OF REDIRECTION**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
CONTINGENCY			1

SUBTOTAL	1	EA
FOR ESTIMATING PURPOSES	0	EA
TOTAL	1	EA

SAY	1	EA
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853.411

**TEMP.IMP.ATTENUATOR FOR SHLDR
 INCAPABLE OF REDIRECTION R&R**

EA

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
CONTINGENCY			2

SUBTOTAL	2	EA
FOR ESTIMATING PURPOSES	0	EA
TOTAL	2	EA

SAY	2	EA
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854.014

TEMPORARY PAVING MARKINGS -
4 IN. (PAINTED)

LF

A. TEMPORARY STAGING

<u>STREET</u>	<u>STATION</u> <u>START</u> <u>END</u>	<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
			SUBTOTAL <u>0</u> LF
			APPLICATIONS (ONCE EVERY 3 MONTHS) 1
			SUBTOTAL <u>0</u> LF

B. ASSUME ONE APPLICATION EQUIVALENT TO PROP. PVM'T MARKINGS

4 INCH REFLECTORIZED WHITE LINE (PAINTED)	0	LF
4 INCH REFLECTORIZED YELLOW LINE (PAINTED)	0	LF
4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	79	LF
4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	27,500	LF
	SUBTOTAL <u>27579.43</u>	LF
	FOR ESTIMATING PURPOSES 0	LF
	TOTAL <u>27,579</u>	LF
	SAY <u>27,580</u>	LF

854.016

TEMPORARY PAVING MARKINGS -
6 IN. (PAINTED)

LF

A. TEMPORARY STAGING

<u>STREET</u>	<u>STATION</u> <u>START</u> <u>END</u>	<u>SIDE</u>	<u>(LF)</u> <u>LENGTH</u>
			SUBTOTAL <u>0</u> LF
			APPLICATIONS (ONCE EVERY 3 MONTHS) 1
			SUBTOTAL <u>0</u> LF

B. ASSUME ONE APPLICATION EQUIVALENT TO PROP. PVM'T MARKINGS

6 INCH REFLECTORIZED WHITE LINE (PAINTED)	0	LF
6 INCH REFLECTORIZED YELLOW LINE (PAINTED)	0	LF
CROSS WALKS AND STOP LINES REFLECTORIZED WHITE (PAINTED)	0	LF
CROSS WALKS AND STOP LINES REFL. WHITE (THERMOPLASTIC)	12,750	LF
6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	0	LF
6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	32,850	LF
	SUBTOTAL <u>45600</u>	LF
	FOR ESTIMATING PURPOSES 0	LF
	TOTAL <u>45,600</u>	LF
	SAY <u>45,600</u>	LF

854.034

TEMPORARY PAVEMENT MARKINGS - 4 IN.
(REMOVABLE TAPE)

LF

SAY 25% OF PAINTED 4 INCH

FOR ESTIMATING PURPOSES 6894.8575 LF

TOTAL 6,895 LF

SAY	6,895	LF
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854.036

TEMPORARY PAVEMENT MARKINGS - 6 IN.
(REMOVABLE TAPE)

LF

SAY 40% OF PAINTED 6 INCH

FOR ESTIMATING PURPOSES 18240 LF

TOTAL 18,240 LF

SAY	18,240	LF
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854.1

PAVEMENT MARKING REMOVAL - PAINT

SF

A. ASSUME ALL TEMP. PAVEMENT MARKINGS WILL BE REMOVED FROM TMP STAGING PLANS
 (IF APPLICABLE)

<u>FROM ITEM</u>	(LF) <u>WIDTH</u>	(LF) <u>LENGTH</u>	(SF) <u>AREA</u>
TEMPORARY PAVING MARKINGS - 4 IN. (PAINTED)	0.3333	27,579	9192
TEMPORARY PAVING MARKINGS - 6 IN. (PAINTED)	0.5	45,600	22800
			SUBTOTAL 31992 SF

B. EXISTING PAINTED PAVEMENT MARKINGS NOT REMOVED UNDER OTHER MEANS

<u>STREET</u>	<u>STATION</u>		(LF) <u>WIDTH</u>	(LF) <u>LENGTH</u>	(SF) <u>AREA</u>
	<u>START</u>	<u>END</u>			
					0
					0
					0
					0
					SUBTOTAL 0 SF

FOR ESTIMATING PURPOSES 0 SF

TOTAL 31992 SF

SAY	32000	SF
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854.3

PAVEMENT MARKING REMOVAL - TAPE

SF

<u>FROM ITEM</u>	<u>(LF) WIDTH</u>	<u>(LF) LENGTH</u>	<u>(SF) AREA</u>
TEMPORARY PAVEMENT MARKINGS - 4 IN. (REMOVABLE TAPE)	0.3333	6,895	2298
TEMPORARY PAVEMENT MARKINGS - 6 IN. (REMOVABLE TAPE)	0.5	18,240	9120
		TOTAL	11418 SF
		SAY	11419 SF

856.

SPECIAL LIGHTING UNIT (FLASHING ARROW)

UD

ASSUME 0.05 UNITS PER DAY

	30	MONTHS
	21.6667	DAYS/MONTH
	650.0	DAYS
X	0.05	UNIT/DAY
TOTAL	32.50	UD

SAY	40	UD
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856.12

PORTABLE CHANGEABLE MESSAGE SIGN

UD

ASSUME 2 UNITS FOR THREE-TWO WEEK PERIODS

	30	DAYS
X	2	UNITS
TOTAL	60	UD

SAY	60	UD
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859.

REFLECTORIZED DRUM

DD

ASSUME DRUMS IN USE FOR DURATION OF THE PROJECT

30 MONTHS
21.6667 DAYS/MONTH
650,001 DAYS
X 22 ASSUMED NUMBER OF DRUMS
TOTAL 14300.022 UD

SAY	14,400	DD
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864.04

PAVEMENT ARROWS AND LEGENDS
REFL. WHITE (THERMOPLASTIC)

SF

FROM PAVEMENT MARKING AND SIGNING PLAN

TURN ARROW = 15.83 SF
THRU ARROW = 11.84 SF
COMBINATION THRU/TURN ARROW = 28.1 SF
ONLY LEGEND = 29.6 SF
BIKE STOP = 5.37 SF
BIKE PATH = 1.42 SF

<u>STREET</u>	<u>STA.</u>	<u>MARKING</u>	<u>(SF)</u> <u>AREA</u>
TRAPELO RD	19+75.85	LT ARROW	15.83
TRAPELO RD	20+15.26	"ONLY"	29.6
MILL ST	01+00.00	LT ARROW	15.83
MILL ST	01+00.00	LT ARROW	15.83
MILL ST	01+42.43	"ONLY"	29.6
MILL ST	01+42.43	"ONLY"	29.6
TRAPELO RD	27+49.00	"ONLY"	29.6
TRAPELO RD	27+62.75	BIKE STOP	5.37
TRAPELO RD	27+89.29	LT ARROW	15.83
TRAPELO RD	28+49.91	"ONLY"	29.6
TRAPELO RD	28+89.36	LT ARROW	15.83
TRAPELO RD	29+09.98	BIKE STOP	5.37
PLEASANT ST	01+00.00	LT ARROW	15.83
PLEASANT ST	01+15.40	RT ARROW	15.83
PLEASANT ST	01+37.68	"ONLY"	29.6
PLEASANT ST	01+54.21	"ONLY"	29.6
TRAPELO RD	34+24.18	LT ARROW	15.83
TRAPELO RD	33+84.42	"ONLY"	29.6
SHAWS DR		RT ARROW	15.83
SHAWS DR		"ONLY"	29.6
LEXINGTON ST	00+85.50	LT ARROW	15.83
LEXINGTON ST	01+25.41	"ONLY"	29.6
TRAPELO RD	35+75.78	THRU ARROW	11.84
TRAPELO RD	36+18.22	"ONLY"	29.6
TRAPELO RD	39+04.07	BIKE STOP	5.37
TRAPELO RD	42+82.21	BIKE STOP	5.37
TRAPELO RD	44+22.27	BIKE STOP	5.37
TRAPELO RD	50+00.00	BIKE STOP	5.37
TRAPELO RD	51+21.14	BIKE STOP	5.37
TRAPELO RD	54+48.74	BIKE STOP	5.37
TRAPELO RD	57+23.44	BIKE STOP	5.37
TRAPELO RD	61+27.19	BIKE STOP	5.37
TRAPELO RD	63+14.42	BIKE STOP	5.37
TRAPELO RD	65+92.60	"ONLY"	29.6
TRAPELO RD	66+32.44	LT ARROW	15.83
TRAPELO RD	66+39.95	BIKE STOP	5.37
TRAPELO RD	67+86.73	BIKE STOP	5.37
TRAPELO RD	68+93.56	LT ARROW	15.83
TRAPELO RD	69+33.03	"ONLY"	29.6
TRAPELO RD	70+26.34	"ONLY"	29.6
TRAPELO RD	70+66.18	LT ARROW	15.83
TRAPELO RD	72+19.68	LT ARROW	15.83
TRAPELO RD	72+30.97	BIKE STOP	5.37
TRAPELO RD	72+86.11	BIKE STOP	5.37
TRAPELO RD	72+59.10	"ONLY"	29.6
TRAPELO RD	78+55.96	BIKE STOP	5.37
TRAPELO RD	79+69.26	BIKE STOP	5.37
TRAPELO RD	84+92.73	BIKE STOP	5.37
TRAPELO RD	85+82.53	BIKE STOP	5.37
TRAPELO RD	86+16.34	"ONLY"	29.6
TRAPELO RD	86+54.97	LT ARROW	15.83
COMMON ST	01+21.09	LT ARROW	15.83
COMMON ST	01+59.82	"ONLY"	29.6
COMMON ST	02+23.30	LT ARROW	15.83

COMMON ST	02+59.65	"ONLY"	29.6
COMMON ST(S)	00+98.07	LT ARROW	15.83
COMMON ST(S)	01+36.67	"ONLY"	29.6
COMMON ST(S)	03+70.00	"ONLY"	29.6
COMMON ST(S)	04+08.71	LT ARROW	15.83
TRAPELO RD	88+79.86	LT ARROW	15.83
TRAPELO RD	89+19.16	"ONLY"	29.6
TRAPELO RD	89+30.27	BIKE STOP	5.37
TRAPELO RD	92+23.19	BIKE STOP	5.37
TRAPELO RD	95+00.00	BIKE STOP	5.37
TRAPELO RD	98+54.60	BIKE STOP	5.37
TRAPELO RD	102+30.00	BIKE STOP	5.37
BELMONT ST	100+18.18	"ONLY"	29.6
BELMONT ST	100+45.11	RT ARROW	15.83
BELMONT ST	101+25.68	LT ARROW	15.83
BELMONT ST	101+64.46	"ONLY"	29.6
BELMONT ST	102+23.66	LT ARROW	15.83
BELMONT ST	102+62.73	"ONLY"	29.6
BELMONT ST	104+14.78	BIKE STOP	5.37
BELMONT ST	108+89.68	BIKE STOP	5.37
BELMONT ST	112+44.70	BIKE STOP	5.37
BELMONT ST	115+98.62	BIKE STOP	5.37
BELMONT ST	118+71.11	BIKE STOP	5.37
BELMONT ST	124+70.33	BIKE STOP	5.37
BELMONT ST	124+80.02	BIKE STOP	5.37
BELMONT ST	130+46.31	BIKE STOP	5.37
BELMONT ST	136+44.98	BIKE STOP	5.37
SCHOOL ST	00+73.30	LT ARROW	15.83
SCHOOL ST	01+11.77	"ONLY"	29.6
WINDSOR AVE		LT ARROW	15.83
WINDSOR AVE		"ONLY"	29.6
GROVE ST	01+30.29	"ONLY"	29.6
GROVE ST	00+91.33	LT ARROW	15.83
ARLINGTON ST	00+94.32	"ONLY"	29.6
ARLINGTON ST	01+33.52	LT ARROW	15.83
ARLINGTON ST	01+72.05	BIKE STOP	5.37
ARLINGTON ST	01+72.06	BIKE STOP	5.37

SUBTOTAL 1456 SF

TRAPELO RD	19+50	BIKE PATH	1.42
TRAPELO RD	25+90	BIKE PATH	1.42
TRAPELO RD	27+70	BIKE PATH	1.42
TRAPELO RD	28+80	BIKE PATH	1.42
TRAPELO RD	39+00	BIKE PATH	1.42
TRAPELO RD	42+90	BIKE PATH	1.42
TRAPELO RD	44+20	BIKE PATH	1.42
TRAPELO RD	50+00	BIKE PATH	1.42
TRAPELO RD	51+20	BIKE PATH	1.42
TRAPELO RD	54+50	BIKE PATH	1.42
TRAPELO RD	57+20	BIKE PATH	1.42
TRAPELO RD	61+30	BIKE PATH	1.42
TRAPELO RD	63+10	BIKE PATH	1.42
TRAPELO RD	66+40	BIKE PATH	1.42
TRAPELO RD	67+90	BIKE PATH	1.42
TRAPELO RD	72+30	BIKE PATH	1.42
TRAPELO RD	72+80	BIKE PATH	1.42
TRAPELO RD	78+60	BIKE PATH	1.42
TRAPELO RD	79+70	BIKE PATH	1.42
TRAPELO RD	84+90	BIKE PATH	1.42
TRAPELO RD	85+90	BIKE PATH	1.42
TRAPELO RD	89+30	BIKE PATH	1.42
TRAPELO RD	92+20	BIKE PATH	1.42
TRAPELO RD	95+00	BIKE PATH	1.42
TRAPELO RD	98+50	BIKE PATH	1.42
BELMONT ST	102+10	BIKE PATH	1.42
BELMONT ST	104+10	BIKE PATH	1.42
BELMONT ST	108+90	BIKE PATH	1.42
BELMONT ST	112+60	BIKE PATH	1.42
BELMONT ST	116+00	BIKE PATH	1.42
BELMONT ST	118+80	BIKE PATH	1.42

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTOWN, MA

CALCULATED BY JGI
CHECKED BY PJB

BELMONT ST	124+70	BIKE PATH	1.42	
BELMONT ST	125+00	BIKE PATH	1.42	
BELMONT ST	130+50	BIKE PATH	1.42	
		SUBTOTAL	48.28	SF
		TOTAL	1504.28	
		SAY	1510	SF

865.1

CROSS WALKS AND STOP LINES REFL. WHITE
(THERMOPLASTIC)

SF

FROM PAVEMENT MARKING AND SIGNING PLAN

CROSSWALKS

<u>STREET</u>	<u>STATION</u>	<u>START</u>	<u>END</u>	<u>(LF)</u> <u>WIDTH</u>	<u>(LF)</u> <u>LENGTH</u>	<u>(SF)</u> <u>AREA</u>
MILL ST	2+35.00		3+10.00	10.0	89.46	447.3
MILL ST	00+00.00		1+00.00	15.0	70	525
MILL ST	00+00.00		1+00.00	10.0	44.79	223.95
TRAPELO RD	18+00.00		20+00.00	12.0	102	612
TRAPELO RD	23+00.00		25+00.00	15.0	61	457.5
AGASSIZ ST				10.0	22	110
TRAPELO RD	29+00.00		30+50.00	12.0	111.29	667.74
PLEASENT ST	0+00.00		1+00.00	10.0	22	110
MORaine				10.0	32	160
SHAWs DR				12.0	70	420
TRAPELO RD	35+00.00		36+00.00	15.0	68.3	512.25
LEXINGTON ST	00+00.00		01+00.00	12.0	55.16	330.96
LEXINGTON ST	03+00.00		04+50.00	10.0	72.32	361.6
THAYER ST				10.0	33.8	169
CHURCH ST	03+50.00		04+00.00	10.0	59	295
CHURCH ST	00+00.00		01+00.00	10.0	116	580
TRAPELO RD	35+00.00		36+00.00	10.0	46	92
WHITE ST				10.0	110.1	550.5
WAVERLY ST				12.0	51	306
TRAPELO RD	43+50.00		44+50.00	10.0	41	205
SYCAMORE ST				10.0	50.5	252.5
HAWTHORNE ST				10.0	65	325
TRAPELO RD	47+80.00		48+20.00	10.0	37.75	188.75
MAPLE ST				10.0	41.76	208.8
DAVIS ST				10.0	50.86	254.3
BEECH ST (S)				12.0	57.61	345.66
BEECH ST (N)				10.0	46.75	233.75
TRAPELO RD	55+00.00		57+00.00	15.0	173	1297.5
HULL ST				10.0	41.5	207.5
WALNUT ST				10.0	50	250
TRAPELO RD	63+00.00		64+00.00	12.0	38	228
TRAPELO RD	66+00.00		67+00.00	12.0	49.13	294.78
FLEET RD				10.0	65.75	328.75
HARRIET AVE	00+00.00		01+00.00	12.0	50	300
SLADE ST	00+00.00		01+00.00	10.0	30	150
SLADE ST	00+00.00		01+00.00	12.0	56.8	340.8
TRAPELO RD	70+00.00		72+00.00	12.0	102	612
HARDING AVE				10.0	50.14	250.7
GILBERT RD				10.0	62.3	311.5
BARNARD RD				10.0	51	255
POPLAR ST				10.0	39.41	197.05
TRAPELO RD	78+00.0		78+50.00	12.0	47.47	284.82
TRAPELO RD	83+50.00		84+00.00	12.0	52	312
WILLISTON RD				10.0	49	245
TRAPELO RD	86+50.00		87+50.00	12.0	51	102
TRAPELO RD	88+00.000		89+00.00	15.0	68.12	136.24
COMMON ST	00+00.00		01+00.00	10.0	34.8	69.6
COMMON ST	00+00.00		01+00.00	12.0	53	106
COMMON ST (S)	00+00.00		01+00.00	15.0	81.5	163
CUSHING AVE				10.0	26.72	53.44
TRAPELO RD	92+0.00		93+00.00	12.0	46	276
WILLOW ST				10.0	55.6	278
OAK AVE				10.0	59.67	298.35
TRAPELO RD	99+00.00		101+00.00	15.0	142.36	1067.7
PINE ST				10.0	58.32	291.6
BELMONT ST				12.0	61.64	369.84
OAKLEY RD				10.0	76.6	383
BELMONT ST	107+00.00		108+00.00	10.0	45	225
PAYSON RD				10.0	78	390
BELMONT ST	113+85.00		114+25.00	12.0	46.6	279.6

VAN NESS RD			10.0	63.56	317.8
COMMONWEALTH RD			10.0	48.54	242.7
STULTS RD			10.0	54.85	274.25
CARVER RD			10.0	52.52	262.6
SCHOOL ST	00+00.00	01+00.00	10.0	122	610
LEWIS RD			10.0	52.52	262.6
BELMONT ST	120+00.00	122+00.00	15.0	126.57	949.275
SCHOOL ST(N)	00+00.00	01+00.00	10.0	53.52	267.6
NEWTON ST			10.0	26.7	133.5
LANGDON AVE			10.0	26.68	133.4
WORCESTER ST			10.0	26	130
BELMONT ST	125+50.00	126+50.00	15.0	62.1	465.75
HILLSIDE RD			10.0	23.59	117.95
SPRINGFIELD ST			10.0	26.18	130.9
WESTLUND RD			10.0	37.17	185.85
FALMOUTH ST			10.0	28.76	143.8
BELMONT ST	129+00.00	129+50.00	12.0	54	324
PARK RD			10.0	45.5	227.5
WOODLEIGH RD			10.0	46.25	231.25
BELMONT ST	131+00.00	132+00.00	15.0	60	450
BELMONT ST	134+00.00	135+00.00	12.0	64	384
BELMONT ST	136+00.00	137+00.00	15.0	73	547.5
GROVE ST	00+00.00	01+00.00	15.0	74	555
TEMPLETON PKW	00+00.00	01+00.00	10.0	27.23	136.15
ARLINGTON ST	00+00.00	01+00.00	12.0	66.42	398.52
MARION RD			10.0	32.11	160.55
MARLBORO ST			10.0	34	170
OXFORD AVE			10.0	27.2	136
BELMONT ST	140+50.00	141+50.00	12.0	47.5	285
PRENTISS ST			10.0	34.53	172.65
EXETER ST			10.0	42.46	212.3
KEENAN ST			10.0	61.62	308.1
ERICSSON ST			10.0	37.72	188.6
BRIMMER ST			10.0	38.26	191.3
BELMONT ST	146+00.00	147+00.00	15.0	61.63	462.225
				10757.14	29468.0

STOP LINES

STREET	STATION		(LF)	(LF)	(SF)
	START	END	WIDTH	LENGTH	AREA
MILL ST	00+00.00	1+00.00	1.0	61.29	61.29
TRAPELO RD	18+00.00	20+00.00	1.0	52	52
TRAPELO RD	23+00.00	25+00.00	1.0	62.3	62.3
TRAPELO RD	29+00.00	30+50.00	1.0	70.5	70.5
PLEASENT ST	0+00.00	1+00.00	1.0	22	22
MORaine			1.0	12	12
SHAWs DR			1.0	24.2	24.2
TRAPELO RD	33+00.00	36+00.00	1.0	115.25	115.25
LEXINGTON ST	00+00.00	01+00.00	1.0	28.61	28.61
LEXINGTON ST	03+00.00	04+50.00	1.0	36.5	36.5
THAYER ST			1.0	17.5	17.5
CHURCH ST	03+50.00	04+00.00	1.0	36	36
CHURCH ST	00+00.00	01+00.00	1.0	28.2	28.2
TRAPELO RD	35+00.00	36+00.00	1.0	48.66	48.66
WHITE ST			1.0	28	28
WAVERLY ST			1.0	18.76	18.76
SYCAMORE ST			1.0	14.5	14.5
HAWTHORNE ST			1.0	22.2	22.2
MAPLE ST			1.0	15.54	15.54
BEECH ST (S)			1.0	13	13
BEECH ST (N)			1.0	13.75	13.75
TRAPELO RD	55+00.00	57+00.00	1.0	51	51
HULL ST			1.0	14.5	14.5
WALNUT ST			1.0	13.5	13.5
TRAPELO RD	63+00.00	64+00.00	1.0	19	19
TRAPELO RD	65+25.00	65+50.00	1.0	24	24
FLEET RD			1.0	25.74	25.74
HARRIET AVE	00+00.00	01+00.00	1.0	21.73	21.73
SLADE ST	00+00.00	01+00.00	1.0	13.5	13.5
TRAPELO RD	70+00.00	72+00.00	1.0	64.66	64.66
HARDING AVE			1.0	14.5	14.5

GILBERT RD			1.0	16	16
BARNARD RD			1.0	13.36	13.36
POPLAR ST			1.0	12.92	12.92
WILLISTON RD			1.0	17.23	17.23
TRAPELO RD	86+50.00	89+00.00	1.0	73.8	73.8
COMMON ST	00+00.00	01+00.00	1.0	26.5	26.5
COMMON ST (S)	00+00.00	01+00.00	1.0	28.28	28.28
WILLOW ST			1.0	13.68	13.68
OAK AVE			1.0	19.88	19.88
TRAPELO RD	99+00.00	101+00.00	1.0	77.1	77.1
PINE ST			1.0	20.91	20.91
BELMONT ST			1.0	26.39	26.39
OAKLEY RD			1.0	22.31	22.31
BELMONT ST	107+00.00	108+00.00	1.0	45	45
PAYSON RD			1.0	28.19	28.19
VAN NESS RD			1.0	15.92	15.92
COMMONWEALTH RD			1.0	14.31	14.31
STULTS RD			1.0	17.36	17.36
CARVER RD			1.0	17	17
SCHOOL ST	00+00.00	01+00.00	1.0	41.52	41.52
LEWIS RD			1.0	15.94	15.94
BELMONT ST	120+00.00	122+00.00	1.0	57	57
SCHOOL ST(N)	00+00.00	01+00.00	1.0	20.11	20.11
NEWTON ST			1.0	13.59	13.59
LANGDON AVE			1.0	12.83	12.83
WORCESTER ST			1.0	13.4	13.4
HILLSIDE RD			1.0	11.89	11.89
SPRINGFIELD ST			1.0	13.18	13.18
WESTLUND RD			1.0	12.94	12.94
FALMOUTH ST			1.0	12.78	12.78
PARK RD			1.0	17.2	17.2
WOODLEIGH RD			1.0	14	14
BELMONT ST	134+00.00	137+00.00	1.0	57.89	57.89
GROVE ST	00+00.00	01+00.00	1.0	29.68	29.68
ARLINGTON ST	00+00.00	01+00.00	1.0	29.32	29.32
MARLBORO ST			1.0	16.87	16.87
OXFORD AVE			1.0	14	14
PRENTISS ST			1.0	15.76	15.76
EXETER ST			1.0	13	13
KEENAN ST			1.0	18.17	18.17
ERICSSON ST			1.0	12	12
BRIMMER ST			1.0	12.67	12.67
				1984.77	1984.77

TOTAL 31452.7 SF

SAY	31500	SF
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LENGTH 12750 FT

866.04

4 INCH REFLECTORIZED WHITE LINE
(THERMOPLASTIC)

LF

FROM PAVEMENT MARKING AND SIGNING PLAN

Single White Edge Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	79.43
	SUBTOTAL		79.4 LF

Single White Lane Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	96
TRAPELO RD	15+40.00	44+00.00	1,112
TRAPELO RD	44+00.00	78+00.00	242
TRAPELO RD	78+00.00	144+00.00	745
TRAPELO RD	114+00.00	00+00.00	401
PLEASANT STREET			57
SHAWS DRIVE			77
LEXINGTON STREET			320
COMMON STREET			1,140
SCHOOL STREET			125
	SUBTOTAL		2730.0 LF

Broken White Lane Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	30
TRAPELO RD	15+40.00	44+00.00	410
TRAPELO RD	44+00.00	78+00.00	0
TRAPELO RD	78+00.00	114+00.00	80
TRAPELO RD	00+00.00	00+00.00	370
LEXINGTON STREET			30
COMMON STREET			50
GROVE STREET			30
ARLINGTON STREET			20
	SUBTOTAL		1020.0 LF

Dash White Lane Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	0
TRAPELO RD	15+40.00	44+00.00	184
TRAPELO RD	44+00.00	78+00.00	192
TRAPELO RD	78+00.00	114+00.00	312
TRAPELO RD	00+00.00	00+00.00	162
COMMON STREET			16
	SUBTOTAL		866.0 LF

Parking Stalls

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	0
TRAPELO RD	15+40.00	44+00.00	704
TRAPELO RD	44+00.00	78+00.00	1,844
TRAPELO RD	78+00.00	114+00.00	2,164
TRAPELO RD	00+00.00	00+00.00	1,410
LEXINGTON STREET			188
CHURCH STREET			184

64(8' lines) 32(2' Lines) 32(4' Lines)
170(8' lines) 98(2' Lines) 72(4' Lines)
207(8' lines) 78(2' Lines) 88(4' Lines)
130(8' lines) 75(2' Lines) 55(4' Lines)
17(8' lines) 8(2' Lines) 9(4' Lines)
16(8' lines) 4(2' Lines) 12(4' Lines)

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTWON, MA

CALCULATED BY JGI
CHECKED BY PJB

HARRIET AVENUE
COMMON STREET

64
420

37(8' lines) 12(2' Lines) 25(4' Lines)

SUBTOTAL 6978.0 LF

TOTAL 11673.4 LF

SAY	11700	LF
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866.06

6 INCH REFLECTORIZED WHITE LINE
(THERMOPLASTIC)

FT

FROM PAVEMENT MARKING AND SIGNING PLAN

SWEL, SWLL DWLL, BWLL, PARKING

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	911.57
TRAPELO RD	15+40.00	44+00.00	8,296
TRAPELO RD	44+00.00	87+00.00	9,016
TRAPELO RD	87+00.00	100+00.00	4,955
BELMONT ST	100+00.00	147+00.00	9,662

TOTAL 32,841.19 FT

SAY	32850	FT
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866.08

8 INCH REFLECTORIZED WHITE LINE
(THERMOPLASTIC)

LF

FROM PM & S PLAN - SWCHL

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
TRAPELO	20+00.00		140.0
PLEASANT			30.0
THAYER			90.0

TOTAL 260.0 LF

SAY	260	LF
-----	-----	----

867.04

4 INCH REFLECTORIZED YELLOW LINE
(THERMOPLASTIC)

LF

FROM PAVEMENT MARKING AND SIGNING PLAN

Double Yellow Lane Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	610
TRAPELO RD	15+40.00	44+00.00	4,590
TRAPELO RD	44+00.00	78+00.00	3,240
TRAPELO RD	78+00.00	114+00.00	3,075
TRAPELO RD	114+00.00	148+00.00	4,465
SUBTOTAL			15980.0 LF

Single Yellow Edge Line

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
MILL ST	00+00.00	04+60.00	0
TRAPELO RD	15+40.00	44+00.00	0
TRAPELO RD	44+00.00	78+00.00	1,570
TRAPELO RD	78+00.00	114+00.00	3,135
TRAPELO RD	114+00.00	148+00.00	0
PLEASANT STREET			158
SHAWS DRIVE			154
LEXINGTON STREET			520
CHRUCH STREET			625
WHITE STREET			175
WAVERLY STREET			155
BEECH STREET			367
FLEET ROAD			283
SLADE ROAD			140
HARRIET DRIVE			75
COMMON STREET			1,610
PINE STREET			80
BELMONT STREET			400
PAYSON ROAD			85
SCHOOL STREET			560
WINDSOR AVENUE			175
GROVE STREET			313
ARLINGTON STREET			930
SUBTOTAL			11510.0 LF

TOTAL 27490.0 LF

SAY	27500	LF
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867.08

8 INCH REFLECTORIZED YELLOW LINE
(THERMOPLASTIC)

LF

FROM PM & S PLAN - SYCHL

<u>STREET</u>	<u>STATION</u>		<u>(LF)</u>
	<u>START</u>	<u>END</u>	<u>LENGTH</u>
PLEASANT	01+00.00		40.0
TRAPELO	30+00.00		10.0

TOTAL 50.0 LF

SAY	50	LF
-----	----	----

867.12

12 INCH REFLECTORIZED YELLOW LINE
(THERMOPLASTIC)

LF

FROM PM & S PLAN - YTL

TRAPELO	32+00.00	40.0
TRAPELO	36+00.00	75.0
TRAPELO	59+00.00	45.0
TRAPELO	82+00.00	15.0
COMMON	03+00.00	40.0
TRAPELO	99+00.00	35.0
ARLINGTON	03+00.00	15.0

TOTAL 265.0 LF

SAY	265	LF
-----	-----	----

874.

STREET NAME SIGN

EA

FROM SIGN SUMMARY SHEET (POST INCLUDED IN ITEM)

<u>DESIGNATION</u>	<u>QTY.</u>
D3-1	1
D3-2	0
D3-3	0
D3-4	1
D3-5	0
D3-6	1
D3-7	1
D3-8	0
D3-9	2
D3-10	2
D3-11	1
D3-12	1
D3-13	1
D3-14	1
D3-15	1
D3-16	1
D3-17	0
D3-18	1
D3-19	1
D3-20	1
D3-21	1
D3-22	0
D3-23	1
D3-24	1
D3-25	1
D3-26	1
D3-27	1
D3-28	1
D3-29	1
D3-30	0
D3-31	11
D3-32	1
D3-33	0
D3-34	1
D3-35	1
D3-36	0
D3-37	1
D3-38	1
D3-39	1
D3-40	1
D3-41	1
D3-42	1
D3-43	1
D3-44	1
D3-45	1
D3-46	1
D3-47	1
D3-48	1
D3-49	1
D3-50	1
D3-51	1
D3-52	1
D3-53	1
D3-54	1
D3-55	1
D3-56	1
D3-57	1
D3-58	1
D3-59	1
D3-60	1

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTWON, MA

CALCULATED BY JGI
CHECKED BY PJB

D3-61	1
D3-62	1
D3-63	1
D3-64	1
D3-65	1

TOTAL 68 EA

SAY	68	EA
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874.11

STREET SIGN WITHOUT POST

EA

FROM SIGN SUMMARY SHEET

<u>DESIGNATION</u>	<u>QTY.</u>
D3-1A	4
D3-3A	1
D3-5A	2
D3-7A	2
D3-17A	2
D3-22A	1
D3-29A	1
D3-33A	1
D3-44A	2
D3-1B	8
D3-3B	1
D3-33B	4
D3-7C	1
D3-33C	1

TOTAL 31 EA

SAY	31	EA
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874.2

TRAFFIC SIGN REMOVED AND RESET

EA

FROM PAVEMENT MARKING AND SIGNING PLAN

<u>DESIGNATION</u>	<u>QTY.</u>
SHEET 1	4
SHEET 2	2
SHEET 3	7
SHEET 4	5
SHEET 5	4
SHEET 6	6
SHEET 7	3
SHEET 8	7

TOTAL 38 EA

SAY	38	EA
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874.4

TRAFFIC SIGN REMOVED AND STACKED

EA

FROM PAVEMENT MARKING AND SIGNING PLAN

<u>DESIGNATION</u>	<u>QTY.</u>
SHEET 1	46
SHEET 2	57
SHEET 3	77
SHEET 4	53
SHEET 5	59
SHEET 6	26
SHEET 7	31
SHEET 8	47

TOTAL 396 EA

SAY	400	EA
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874.7

MISCELLANEOUS SIGNS
REMOVED AND STACK

EA

FROM PAVEMENT MARKING AND SIGNING PLAN

<u>DESIGNATION</u>	<u>QTY.</u>
SHEET 1	0
SHEET 2	1
SHEET 3	3
SHEET 4	2
SHEET 5	8
SHEET 6	3
SHEET 7	1
SHEET 8	2

TOTAL 20 EA

SAY	20	EA
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874.8

MISCELLANEOUS SIGNS
REMOVED AND RESET

EA

FROM PAVEMENT MARKING AND SIGNING PLAN

<u>DESIGNATION</u>	<u>QTY.</u>
SHEET 1	6
SHEET 2	4
SHEET 3	0
SHEET 4	2
SHEET 5	2
SHEET 6	2
SHEET 7	1
SHEET 8	1

TOTAL 18 EA

SAY	18	EA
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901.3

4000 PSI, 1.5 IN., 565 CEMENT CONCRETE
FOR POST FOUNDATION

CY

FOR PLACEMENT OF FENCE POSTS

	(LF)	
<u>LENGTH OF FENCES</u>	<u>LENGTH</u>	
48 INCH CHAIN LINK FENCE (STW) (LINE POST OPTION)	0	
48 INCH CHAIN LINK FENCE (STW) VINYL COATED (LINE POST OPT.)	0	
48 INCH CHAIN LINK FENCE (PIPE TOP RAIL) (LINE POST OPTION)	0	
48 INCH CHAIN LINK FENCE (PTR) VINYL COATED (LINE POST OPT.)	0	
48 INCH CHAIN LINK FENCE (PTR) W/BARB (LINE POST OPTION)	0	
48 INCH CHAIN LINK FENCE (STW) W/BARB (LINE POST OPTION)	0	
48 INCH CHAIN LINK GATE WITH GATE POSTS	5	
LENGTH OF FENCE	5	LF
ASSUME 1 POST EVERY 8 FEET:	0.125	POSTS / FOOT
NUMBER OF POSTS:	1	EA
<u>POST ITEMS</u>	<u>EA</u>	
48 INCH CHAIN LINK FENCE END POST	0	
48 INCH CHAIN LINK FENCE CORNER OR INTERMEDIATE BRACE POST	0	
NUMBER OF POST	0	EA
TOTAL NUMBER OF POSTS	1	EA
ASSUME EACH POST FOUNDATION IS 3 FT DEEP AND 1 FT IN DIAMETER		
VOLUME OF EACH POST FOUNDATION:	0.7854	CF / FOUNDATION
TOTAL VOLUME:	0.49	CF
CONVERSION FACTOR	27.00	CF/CY
TOTAL	0.02	CY
SAY	1	CY

903.

3000 PSI, 1.5 IN., 470 CEMENT CONCRETE

CY

FOR PLACEMENT OF THRUST BLOCKS AND MISC. APPLICATIONS

A) ASSUME 0.5 CY FOR EACH HYDRANT REMOVED AND RESET

FROM ITEM 376.2:	7	EA
	<u>0.5</u>	CY / EA
	3.5	CY / EA
	<u>3.5</u>	CY

SAY	5	CY
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999.001

POLICE DETAIL

LS

	30	MONTHS OF CONSTRUCTION
	0.2	UTILIZED DURING A PORTION OF CONSTRUCTION
X	21.6667	21.6667 WORKING DAYS/MONTH
X	8	HOURS PER DAY
X	2	2 OFFICERS
TOTAL:	2080.003	HR

SAY	2,080	HR
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	X	\$40.00	POLICE DETAIL WAGE RATE PER HOUR
TOTAL:		\$83,300	

SAY	1	LS
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THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTOWN, MA

CALCULATED BY JGI
CHECKED BY PJB

APPENDIX

SURFACE AREAS AND EARTHWORKS CALCS

PROJECT INFORMATION

LENGTH OF PROJECT	12990	LF
CONSTRUCTION PERIOD	30	MO

SIDEWALK AREAS

(CURB TO BACK OF SIDEWALK)

STREET	STATION		SIDE	CEM CONC SW (SF)	SCORED CEM CONC SW (SF)	COLORED SCORED CEM CONC SW (SF)	CEM CONC SW AT DRIVE (SF)	SCORED CEM CONC SW AT DRIVE (SF)	CEM CONC WCR (SF)	4" LOAM (SF)	4" PINE BARK MULCH (SF)	18" LOAM & 4" PINE BARK MULCH (SF)	TREE PIT WITH SEED (SF)	TREE PIT WITH MULCH (SF)	PBARK MULCH (SF)	GRASS SEED (SF)
	START	END														
MILL ST	00+00.00	02+54.95	Rt.	1,403	0	0	0	0	87	0	0	0	0	0	0	0
MILL ST	02+73.08	03+69.61	Rt.	0	0	0	0	0	134	0	0	0	0	0	0	0
MILL ST	01+78.45	03+97.36	Lt.	1,106	0	0	0	0	140	0	0	0	0	0	0	0
TRAPELO RD	16+66.08	18+74.17	Lt.	592	0	0	0	0	284	1,987	0	0	0	0	0	1,987
TRAPELO RD	16+86.63	25+31.61	Rt.	4,404	0	0	418	0	620	2,065	0	0	0	0	0	2,065
TRAPELO RD	19+25.02	28+54.50	Lt.	3,853	0	0	194	0	375	1,621	0	0	0	0	0	1,621
TRAPELO RD	25+50.20	33+37.50	Rt.	2,630	0	0	1,764	0	584	165	0	0	202	0	0	367
TRAPELO RD	28+91.79	29+43.22	Lt.	894	0	0	101	0	304	0	0	0	0	0	0	0
TRAPELO RD	29+96.47	34+55.63	Lt.	217	2,691	0	0	0	462	0	0	0	0	0	0	0
TRAPELO RD	33+49.00	34+77.27	Rt.	195	0	0	0	0	487	1,964	0	0	107	0	0	2,071
TRAPELO RD	35+16.19	37+89.40	Rt.	47	1,375	0	0	0	440	0	0	0	0	0	0	0
CHURCH ST	00+42.67	03+96.30	Lt.	0	1,772	1,192	150	135	201	0	150	0	0	266	416	0
CHURCH ST	01+03.25	03+91.00	Rt.	239	859	0	0	0	581	348	0	0	0	0	0	348
LEXINGTON ST	03+89.76	04+44.00	Lt.	215	0	13	0	0	180	0	0	0	0	0	0	0
LEXINGTON ST	03+22.20	04+56.35	Rt.	378	0	0	0	0	732	0	0	0	0	0	0	0
TRAPELO RD	35+03.79	40+89.89	Lt.	0	2,297	564	0	225	558	0	0	0	0	0	0	0
TRAPELO RD	38+55.02	41+50.00	Rt.	160	2,012	496	0	0	409	0	0	0	0	68	68	0
TRAPELO RD	41+17.57	43+33.04	Lt.	2,116	0	0	0	0	237	1,871	0	0	395	0	0	2,266
TRAPELO RD	43+50.98	48+38.55	Lt.	3,288	0	0	697	0	543	1,678	0	0	1,414	0	0	3,092
TRAPELO RD	41+92.27	46+00.35	Rt.	1,534	363	170	816	0	415	390	0	0	882	426	426	1,272
TRAPELO RD	46+03.97	50+43.27	Rt.	2,316	0	0	1,155	0	722	812	0	0	1,341	0	0	2,153
TRAPELO RD	50+68.98	55+34.38	Rt.	325	2,890	1,245	178	0	535	93	0	0	308	426	426	401
TRAPELO RD	48+70.70	53+19.10	Lt.	2,343	0	0	1,563	0	318	427	0	0	1,222	0	0	1,649
TRAPELO RD	53+45.48	56+11.74	Lt.	461	2,455	678	0	0	409	0	0	0	0	325	325	0
TRAPELO RD	56+32.55	66+74.69	Lt.	3,742	1,059	145	4,063	0	690	350	0	0	1,661	121	121	2,011
TRAPELO RD	55+73.92	58+26.56	Rt.	0	1,720	336	139	595	505	0	0	0	0	55	55	0
TRAPELO RD	58+59.60	60+54.50	Rt.	632	0	0	601	0	432	38	0	0	350	0	0	388
TRAPELO RD	60+87.65	71+26.04	Rt.	3,310	3,644	670	1,861	308	910	284	0	0	218	542	542	502
TRAPELO RD	61+66.26	68+27.84	Cntr.	0	0	0	0	0	80	0	210	0	1,566	0	210	1,566
TRAPELO RD	72+95.75	73+23.47	Cntr.	0	0	0	0	0	0	0	205	0	0	0	205	0
TRAPELO RD	67+26.70	70+55.94	Lt.	2,090	0	0	567	0	237	238	0	0	390	0	0	628
TRAPELO RD	70+72.16	70+98.97	Lt. Isl	63	0	0	0	0	216	0	0	0	170	0	0	170
TRAPELO RD	70+62.78	73+77.48	Lt.	1,316	0	0	375	0	432	674	0	0	226	0	0	900
TRAPELO RD	74+07.12	86+46.90	Lt.	3,894	2,100	347	2,276	83	609	2,466	210	0	1,891	0	210	4,357
HARRIET AVE	00+45.19	01+78.72	Rt.	1,008	0	0	0	0	313	37	0	0	365	0	0	402
HARRIET AVE	00+49.04	01+51.44	Lt.	590	0	0	237	0	25	0	0	0	0	0	0	0
TRAPELO RD	71+66.42	73+37.63	Rt.	1,135	0	0	131	0	468	196	0	0	90	0	0	286
TRAPELO RD	73+60.96	75+48.67	Rt.	760	0	0	238	0	352	465	0	0	255	0	0	720
TRAPELO RD	75+77.87	77+70.45	Rt.	985	0	0	134	0	403	943	0	0	174	0	0	1,117
TRAPELO RD	77+94.01	84+16.17	Rt.	3,672	0	0	1,108	0	610	907	0	0	1,424	0	0	2,331
TRAPELO RD	83+29.48	83+68.93	Cntr.	0	0	0	0	0	0	0	0	0	300	0	0	300
TRAPELO RD	84+43.73	87+79.07	Rt.	122	1,710	212	113	299	403	0	0	244	0	0	244	0
TRAPELO RD	86+61.52	87+01.38	Lt.	0	0	0	0	0	299	0	0	280	0	149	429	0
COMMON ST N	01+51.22	05+56.35	Lt.	217	1,812	539	0	0	453	115	0	0	0	211	211	115
COMMON ST N	00+66.67	05+15.28	Rt.	205	3,099	655	0	0	418	90	0	116	0	665	781	90
COMMON ST S	00+43.95	04+05.96	Rt.	891	1,237	490	215	86	426	0	88	0	0	164	252	0
COMMON ST S	00+64.00	03+36.66	Lt.	722	113	77	803	150	0	0	143	0	67	49	192	67
TRAPELO RD	87+37.93	87+77.10	Lt.	0	757	96	0	0	175	0	0	674	0	0	674	0
TRAPELO RD	88+04.14	92+89.51	Lt.	1,254	1,900	424	311	0	412	652	0	0	324	354	354	976
TRAPELO RD	93+13.69	96+57.40	Lt.	1,324	0	0	705	0	338	470	0	0	300	0	0	770
TRAPELO RD	96+98.08	100+21.36	Lt.	1,557	0	0	421	0	470	267	0	0	301	0	0	568
TRAPELO RD	88+36.51	100+15.32	Rt.	4,607	2,068	82	1,771	188	728	564	289	0	770	270	559	1,334
TRAPELO RD	89+93.40	90+17.35	Cntr.	0	0	0	0	0	0	0	0	210	0	0	210	0
TRAPELO RD	92+01.01	92+30.37	Cntr.	0	0	0	0	0	0	0	0	221	0	0	221	0
TRAPELO RD	94+79.58	95+32.29	Cntr.	0	0	0	0	0	0	0	0	0	408	0	0	408
BELMONT ST	100+60.29	102+59.02	Rt.	1,435	0	0	0	0	415	0	0	0	0	0	0	0
BELMONT ST	102+87.40	115+45.38	Rt.	7,766	0	0	120	0	523	1,001	0	0	130	0	0	1,131

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTOWN, MA

CALCULATED BY JGI
CHECKED BY PJB

BELMONT ST	100+61.27	104+67.41	Lt.	1,729	0	0	457	0	404	285	0	0	589	0	0	874
BELMONT ST	104+96.78	113+05.52	Lt.	3,459	0	0	932	0	429	883	0	0	1,215	0	0	2,098
BELMONT ST	105+48.26	112+75.64	Cntr.	0	0	0	0	0	103	5,087	0	0	1,791	0	0	6,878
BELMONT ST	113+45.73	115+16.49	Lt.	893	0	0	124	0	423	261	0	0	276	0	0	537
BELMONT ST	115+46.35	117+09.62	Lt.	750	0	0	70	0	325	209	0	0	154	0	0	363
BELMONT ST	117+36.83	119+18.78	Lt.	744	0	0	121	0	353	66	260	0	0	0	260	66
BELMONT ST	119+44.36	121+41.45	Lt.	796	527	180	0	0	624	132	0	0	0	0	0	132
BELMONT ST	115+72.25	117+78.88	Rt.	1,089	0	0	230	0	311	395	0	0	362	0	0	757
BELMONT ST	118+06.25	118+43.96	Rt.	532	0	0	0	0	344	103	0	0	198	0	0	301
BELMONT ST	119+13.09	120+29.18	Rt.	0	1,058	0	0	0	425	0	0	0	0	0	0	0
BELMONT ST	120+65.25	121+76.99	Rt.	890	0	0	382	0	447	139	0	0	255	0	0	394
BELMONT ST	122+10.11	124+09.49	Rt.	645	0	0	347	0	436	279	0	0	0	0	0	279
BELMONT ST	124+34.99	126+21.79	Rt.	576	0	0	417	0	488	169	0	0	0	0	0	169
BELMONT ST	126+44.23	128+40.34	Rt.	898	0	0	148	0	382	293	0	0	0	0	0	293
BELMONT ST	128+68.44	130+66.90	Rt.	806	0	0	237	0	489	165	0	0	0	0	0	165
BELMONT ST	130+93.89	135+44.00	Rt.	2,361	0	200	534	0	654	445	0	0	273	0	0	718
BELMONT ST	121+67.40	123+54.63	Lt.	595	975	260	0	0	970	0	0	0	97	0	0	97
BELMONT ST	123+81.24	125+55.42	Lt.	382	345	0	0	0	245	0	0	0	0	108	108	0
BELMONT ST	125+81.53	127+48.90	Lt.	362	494	194	0	0	413	0	0	0	0	129	129	0
BELMONT ST	127+74.44	128+64.66	Lt.	479	0	0	0	0	376	0	0	0	225	0	0	225
BELMONT ST	128+87.86	130+80.77	Lt.	1,028	0	0	483	0	433	474	0	0	72	0	0	546
BELMONT ST	131+14.85	134+61.73	Lt.	1,543	714	210	362	0	435	425	0	0	71	84	84	496
BELMONT ST	135+17.64	135+63.11	Lt.	680	634	63	0	0	285	0	50	0	0	0	50	0
BELMONT ST	135+67.15	136+13.87	Rt.	2,110	0	0	309	0	157	281	0	0	439	0	0	720
BELMONT ST	136+43.33	141+72.73	Rt.	1,161	2,442	521	1,309	320	594	179	0	0	161	346	346	340
BELMONT ST	142+04.65	144+23.25	Rt.	988	0	0	400	0	300	121	0	0	240	0	0	361
BELMONT ST	144+51.14	146+49.04	Rt.	1,250	0	0	227	0	453	188	0	0	123	0	0	311
BELMONT ST	146+74.88	147+30.15	Rt.	313	0	0	0	0	123	77	0	0	0	0	0	77
BELMONT ST	135+89.79	138+20.30	Lt.	953	0	0	407	0	491	53	0	0	75	0	0	128
BELMONT ST	138+54.34	140+66.77	Lt.	126	1,074	341	0	0	280	0	0	0	0	40	40	0
BELMONT ST	140+93.56	143+10.27	Lt.	185	1,110	372	0	0	346	0	0	0	0	40	40	0
BELMONT ST	143+37.67	146+03.00	Lt.	533	595	140	458	0	362	82	0	0	158	79	79	240
BELMONT ST	146+27.00	146+91.48	Lt.	216	0	0	0	0	383	0	0	0	114	0	0	114
				101,085	47,901	10,912	31,179		2,389	34,382	33,969	1,605	1,745	24,139	4,917	8,267 58,108

BACK OF SIDEWALK AREAS

STREET	STATION		SIDE	DRIVEWAY - HMA(SF)	DRIVEWAY - CONC (SF)	WALK - BRICK (SF)	WALK - CONC (SF)	WALK - HMA (SF)	4" LOAM AND SEED	4" MULCH	CEMENT CONCRETE SAWCUT	ASPHALT PAVEMENT SAWCUT	LIMIT OF WORK ASPHALT PAVEMENT SAWCUT
	START	END											
MILL ST	00+00.00	02+54.95	Rt.	0	0	0	0	0	1,548	0			
MILL ST	02+73.08	03+69.61	Rt.	0	0	0	0	0	287	0		8	52
MILL ST	01+78.45	03+97.36	Lt.	0	0	0	0	0	661	0			
TRAPELO RD	16+66.08	18+74.17	Lt.	0	0	0	0	0	866	0			
TRAPELO RD	16+86.63	25+31.61	Rt.	135	0	35	18	362	408	176	18	117	67
TRAPELO RD	19+25.02	28+54.50	Lt.	0	0	0	0	0	3,722	0	12		
TRAPELO RD	25+50.20	33+37.50	Rt.	429	0	0	46	12	717	269	55	227	23
TRAPELO RD	28+91.79	29+43.22	Lt.	0	0	0	0	0	0	0			
TRAPELO RD	29+96.47	34+55.63	Lt.	790	307	0	0	0	584	0	63	122	96
TRAPELO RD	33+49.00	34+77.27	Rt.	0	322	0	10	0	17	0	65		
TRAPELO RD	35+16.19	37+89.40	Rt.	0	275	0	0	0	475	0	20	12	140
CHURCH ST	00+42.67	03+96.30	Lt.	63	0	130	113	0	85	0	66	25	
CHURCH ST	01+03.25	03+91.00	Rt.	0	0	0	0	0	1,717	0	7		
LEXINGTON ST	03+89.76	04+44.00	Lt.	145	0	0	10	6	58	0	9		
LEXINGTON ST	03+22.20	04+56.35	Rt.	0	0	0	0	0	0	0	56	73	65
TRAPELO RD	35+03.79	40+89.89	Lt.	490	0	0	0	0	37	53	9	134	28
TRAPELO RD	38+55.02	41+50.00	Rt.	0	0	0	0	0	0	0	10		45
TRAPELO RD	41+17.57	43+33.04	Lt.	25	0	0	20	32	438	0	4	41	25
TRAPELO RD	43+50.98	48+38.55	Lt.	121	0	0	0	14	394	0	53	53	32
TRAPELO RD	41+92.27	46+00.35	Rt.	198	0	0	31	0	165	179	20	103	24
TRAPELO RD	46+03.97	50+43.27	Rt.	227	0	0	35	10	249	85	40	96	27
TRAPELO RD	50+68.98	55+34.38	Rt.	0	0	0	0	0	65	0	16	3	26
TRAPELO RD	48+70.70	53+19.10	Lt.	433	0	0	20	0	135	0	23	210	27
TRAPELO RD	53+45.48	56+11.74	Lt.	0	0	0	0	0	0	0	10		27
TRAPELO RD	56+32.55	66+74.69	Lt.	660	0	0	115	0	697	189	66	399	23
TRAPELO RD	55+73.92	58+26.56	Rt.	169	102	0	0	0	0	0	133		26
TRAPELO RD	58+59.60	60+54.50	Rt.	171	0	0	0	0	133	54	17	65	26
TRAPELO RD	60+87.65	71+26.04	Rt.	1,165	0	0	191	0	390	392	35	301	
TRAPELO RD	61+66.26	68+27.84	Cntr.	0	0	0	0	0	0	0			
TRAPELO RD	72+95.75	73+23.47	Cntr.	0	0	0	0	0	0	0			
TRAPELO RD	67+26.70	70+55.94	Lt.	1,310	0	0	0	0	0	0	6	204	
TRAPELO RD	70+72.16	70+98.97	Lt. Isl	0	0	0	0	0	0	0			
TRAPELO RD	70+62.78	73+77.48	Lt.	50	0	0	0	0	0	0	39	30	52
TRAPELO RD	74+07.12	86+46.90	Lt.	264	105	0	20	0	539	0	124	124	
HARRIET AVE	00+45.19	01+78.72	Rt.	0	0	0	0	0	79	0	18		53
HARRIET AVE	00+49.04	01+51.44	Lt.	0	272	0	0	0	950	0		55	
TRAPELO RD	71+66.42	73+37.63	Rt.	33	0	0	0	0	128	0	12	68	25
TRAPELO RD	73+60.96	75+48.67	Rt.	47	0	0	0	0	92	143	17	23	25
TRAPELO RD	75+77.87	77+70.45	Rt.	20	0	0	0	0	16	341	28	18	25
TRAPELO RD	77+94.01	84+16.17	Rt.	124	37	0	45	0	830	197	51	81	25
TRAPELO RD	83+29.48	83+68.93	Cntr.	0	0	0	0	0	0	0			
TRAPELO RD	84+43.73	87+79.07	Rt.	205	0	0	120	85	737	0	7	65	
TRAPELO RD	86+61.52	87+01.38	Lt.	0	0	0	0	0	0	0			
COMMON ST N	01+51.22	05+56.35	Lt.	0	0	0	0	0	0	0	20		68
COMMON ST N	00+66.67	05+15.28	Rt.	0	0	0	0	0	0	0	13		30

THE BSC GROUP
15 ELKINS STREET
BOSTON, MA 02127

TRAPELO ROAD AND BELMONT STREET
BELMONT/WATERTOWN, MA

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COMMON ST S	00+43.95	04+05.96	Rt.	431	148	0	0	0	52	0	6	121	104
COMMON ST S	00+64.00	03+36.66	Lt.	618	0	0	0	0	0	0	17	116	
TRAPELO RD	87+37.93	87+77.10	Lt.	0	0	0	0	0	0	0	10		27
TRAPELO RD	88+04.14	92+89.51	Lt.	59	0	0	32	20	215	162	30	55	26
TRAPELO RD	93+13.69	96+57.40	Lt.	455	0	0	32	0	542	144	30	81	24
TRAPELO RD	96+98.08	100+21.36	Lt.	76	0	0	17	0	578	9	21	23	33
TRAPELO RD	88+36.51	100+15.32	Rt.	844	0	0	481	8	916	622	58	276	42
TRAPELO RD	89+93.40	90+17.35	Cntr.	0	0	0	0	0	0	0			
TRAPELO RD	92+01.01	92+30.37	Cntr.	0	0	0	0	0	0	0			
TRAPELO RD	94+79.58	95+32.29	Cntr.	0	0	0	0	0	0	0			
BELMONT ST	100+60.29	102+59.02	Rt.	0	0	0	0	0	0	0	7	22	33
BELMONT ST	102+87.40	115+45.38	Rt.	40	0	0	31	0	224	0	21	10	26
BELMONT ST	100+61.27	104+67.41	Lt.	103	0	0	16	0	675	0	35	4	33
BELMONT ST	104+96.78	113+05.52	Lt.	37	38	0	37	0	1,525	182	148	23	35
BELMONT ST	105+48.26	112+75.64	Cntr.	0	0	0	0	0	0	0			
BELMONT ST	113+45.73	115+16.49	Lt.	0	36	0	0	0	103	0	21		26
BELMONT ST	115+46.35	117+09.62	Lt.	20	0	0	0	0	424	0	12	9	26
BELMONT ST	117+36.83	119+18.78	Lt.	25	0	0	12	0	340	0	22	13	25
BELMONT ST	119+44.36	121+41.45	Lt.	0	0	0	0	0	0	0	8		26
BELMONT ST	115+72.25	117+78.88	Rt.	17	15	0	44	0	525	0	43	8	30
BELMONT ST	118+06.25	118+43.96	Rt.	0	0	0	84	0	398	0	15		
BELMONT ST	119+13.09	120+29.18	Rt.	0	0	0	0	0	0	0			
BELMONT ST	120+65.25	121+76.99	Rt.	177	24	0	26	0	305	126	25	45	65
BELMONT ST	122+10.11	124+09.49	Rt.	115	48	0	16	0	36	206	22	41	25
BELMONT ST	124+34.99	126+21.79	Rt.	87	0	0	46	0	204	0	22	43	25
BELMONT ST	126+44.23	128+40.34	Rt.	235	0	0	45	0	169	0	24	38	24
BELMONT ST	128+68.44	130+66.90	Rt.	75	60	0	0	0	422	0	33	19	24
BELMONT ST	130+93.89	135+44.00	Rt.	241	0	0	0	0	329	0	34	70	
BELMONT ST	121+67.40	123+54.63	Lt.	0	0	0	0	0	0	0	4		27
BELMONT ST	123+81.24	125+55.42	Lt.	614	0	0	0	0	0	0	10	122	26
BELMONT ST	125+81.53	127+48.90	Lt.	0	0	0	0	0	0	0	8		26
BELMONT ST	127+74.44	128+64.66	Lt.	0	0	0	138	0	112	0	14		26
BELMONT ST	128+87.86	130+80.77	Lt.	418	0	0	134	0	265	145	25	56	34
BELMONT ST	131+14.85	134+61.73	Lt.	168	0	0	10	0	294	0	43	55	43
BELMONT ST	135+17.64	135+63.11	Lt.	31	0	0	0	0	0	0	11	8	26
BELMONT ST	135+67.15	136+13.87	Rt.	92	196	0	140	0	1,400	0	6	43	68
BELMONT ST	136+43.33	141+72.73	Rt.	578	496	0	82	0	167	0	40	237	
BELMONT ST	142+04.65	144+23.25	Rt.	321	0	0	22	0	84	0	12	82	52
BELMONT ST	144+51.14	146+49.04	Rt.	93	0	93	38	0	282	0	28	23	24
BELMONT ST	146+74.88	147+30.15	Rt.	0	0	0	0	0	0	0	13		68
BELMONT ST	135+89.79	138+20.30	Lt.	264	0	0	11	14	310	0	37	64	34
BELMONT ST	138+54.34	140+66.77	Lt.	143	0	0	0	0	0	0	12	36	60
BELMONT ST	140+93.56	143+10.27	Lt.	38	0	0	15	0	86	0	21	7	26
BELMONT ST	143+37.67	146+03.00	Lt.	153	0	0	0	0	14	0	49	33	25
BELMONT ST	146+27.00	146+91.48	Lt.	0	0	0	0	0	0	0	10		
				13,842	2,481	258	2,303	563	28,215	3,674	2,148	4,440	2,326

PAVEMENT AREAS

Areas Calculated within AutoCAD design file

STREET	STATION		MICRO MILLING 2.25-3.5IN (SF)	MICRO MILLING 2.25IN (SF)	MICRO MILLING 2.25-1.75IN (SF)	MICRO MILLING 1.75IN (SF)	MICRO MILLING 0.5-1.75IN (SF)	MICRO MILLING 1.0IN (SF)	MICRO MILLING 0.5IN (SF)	WEDGE CUT 0-1IN (SF)	COLORED SCORED CEM CONC PAVEMENT (SF)	FULL DEPTH CONSTRUCTION (SF)	FULL DEPTH CONSTRUCTION < 4FT (CF)	STANDARD PAVEMENT OVERLAY (SF)	VARIABLE DEPTH OVERLAY (SF)	FULL DEPTH CONSTRUCTION < 4FT AREA 1 (CF)	FULL DEPTH CONSTRUCTION < 4FT AREA 2 (CF)	FULL DEPTH CONSTRUCTION < 4FT TOTAL (CF)
	START	END																
MILL ST	00+00.00	00+00.00																
TRAPELO RD	16+66.08	21+50.00		20,531	790	930												
TRAPELO RD	21+50.00	27+50.00		36,720					849									
TRAPELO RD	27+50.00	33+50.00		29,634														
TRAPELO RD	33+50.00	39+50.00	1,684	29,948														
TRAPELO RD	39+50.00	45+00.00		32,144					1,029									
TRAPELO RD	45+00.00	50+00.00		26,809					2,689			1,499						
TRAPELO RD	50+00.00	55+50.00		31,746					8,745									
TRAPELO RD	55+50.00	61+25.00		33,494					3,778	552	251							
TRAPELO RD	61+25.00	67+25.00		34,729					6,525	1,688	370							
TRAPELO RD	67+25.00	73+25.00		35,033					5,189	284	100							
TRAPELO RD	73+25.00	79+00.00		31,270					2,203	319	1,254							
TRAPELO RD	79+00.00	85+00.00		34,728					6,062	634	0							1,117
TRAPELO RD	85+00.00	90+50.00		32,010					4,044	235	420							4,566
TRAPELO RD	90+50.00	96+00.00		31,351					4,068	3,080	1,906							
TRAPELO RD	96+00.00	102+00.00		35,176					3,894	320	2,075							
BELMONT ST	102+00.00	107+50.00		33,027					3,433	234	4,972							
BELMONT ST	107+50.00	112+50.00		28,890					1,199		7,717							
BELMONT ST	112+50.00	118+00.00		30,161					475	802	2,287	73					15.49	36.27
BELMONT ST	118+00.00	123+50.00		30,148					1,025		899	472					91.66	374.73
BELMONT ST	123+50.00	129+00.00		34,154					3,109		0	391					72.14	191.43
BELMONT ST	129+00.00	134+00.00		29,161					4,156		620	184					41.27	96.63
BELMONT ST	134+00.00	139+50.00		32,438					3,105		0	630					125.61	311.99
BELMONT ST	139+50.00	145+25.00		33,271					3,920		0	510					93.78	212.95
BELMONT ST	145+25.00	147+15.00		10,372	680				387									306.73
AGASSIZ ST																		
PLEASANT ST						391												
MORAIN ST					3,688	1,669												
LEXINGTON ST						528												
CHRUCH ST					17,465	2,654												
SHAW DRIVE						977												
THAYER ST						1,609												
WHITE ST N						912												
WHITE ST S																		
WAVERLEY ST						919												
SYCAMORE ST						2,016												
HAWTHORNE ST						4,506	1,388											
MAPLE ST						2,621	476											
DAVIS ST							2,016											
BEECH ST N							813	622										
BEECH ST S								2,007										
HULL ST								2,240	567									
WALNUT ST									814									
FLETT RD									606									
SLADE ST										5,954								
BARTLETT AVE										4,061								
HARRIET AVE										1,711								
HARDING AVE										543								
GILBERT RD							1,194				5,368							
BARNARD RD																		
POPLAR ST																		
WILLISTON RD																		
COMMON ST N																		
COMMON ST S																		
CUSHING AVE																		
WILLOW ST																		
OAK AVE																		
PINE ST																		
BELMONT ST																		
OAKLEY RD																		
PAYSON RD																		
VAN NESS RD																		
COMMONWEALTH RD																		
STULTS RD																		
CARVER RD																		
LEWIS RD																		
SCHOOL ST N																		
SCHOOL ST S																		
WINDSOR AVE																		
NEWTON ST																		
LANGDON AVE																		
WORCESTER ST																		
HILLSIDE RD																		
SPRINGFIELD ST																		
FALMOUTH ST																		
WESTLUND RD																		
WOODLEIGH RD																		
PARK RD																		
GROVE ST																		
MARION RD																		

STREET	STATION		MICRO MILLING 2.25-3.5IN (SF)	MICRO MILLING 2.25IN (SF)	MICRO MILLING 2.25- 1.75IN (SF)	MICRO MILLING 1.75IN (SF)	MICRO MILLING 0.5-1.75IN (SF)	MICRO MILLING 1.0IN (SF)	MICRO MILLING 0.5IN (SF)	WEDGE CUT 0-1IN (SF)	COLORED SCORED CEM CONC PAVEMENT (SF)	FULL DEPTH CONSTRUCTION (SF)	FULL DEPTH CONSTRUCTION < 4FT (CF)	STANDARD PAVEMENT OVERLAY (SF)	VARIABLE DEPTH OVERLAY (SF)	FULL DEPTH CONSTRUCTION < 4FT AREA 1 (CF)	FULL DEPTH CONSTRUCTION < 4FT AREA 2 (CF)	FULL DEPTH CONSTRUCTION < 4FT TOTAL (CF)
	START	END																
TEMPLETON PARKWAY																		
ARLINGTON ST								8,463	6,942			465	98	5,656				
MARLBORO ST									1,104		2,398			4,903		19.56		41.84
OXFORD AVE					13,285									1,074				
PPRENTISS ST						13,285								13,285				
EXETER ST							1,650							1,410				
KEENAN ST									805					814				
ERICSSON ST								703	1,495					1,538				
BRIMMER ST								1,130						706				
			1,684	736,945	1,470	50,361	33,254	65,113	89,047	72,963	8,148	72,292	2,358	851,199	53,966			61.40

	SF	SY
MICRO MILLING (SF)	1,050,837	116760
COLORED SCORED CEM CONC PAVEMENT (SF)	8,148	905
FULL DEPTH CONSTRUCTION (SF)	72,292	8032
FULL DEPTH CONSTRUCTION < 4FT (SF)	2,358	262
FULL DEPTH CONSTRUCTION < 4FT (CF)	1,725	192
Main Road OVERLAY (SF)	648,375	72042
Side Road OVERLAY (SF)	202,824	22536
VARIABLE DEPTH OVERLAY (SF)	53,966	5996

CURB LENGTHS - EXISTING

VA = CONCRETE CURB TYPE VA
VB = GRANITE CURB TYPE VB

STREET	STATION		SIDE	STRAIGHT VA4			CURVED VA4			CURB CORNER VA4			CURB INLET STRAIGHT VA4		
	START	END		R&R	R,R&R	R&S	R&R	R,R&R	R&S	R&R	R,R&R	R&S	R&R	R,R&R	R&S
MILL ST	00+00.00	02+54.95	Rt.	218.0		28.0									1.0
MILL ST	02+73.08	03+69.61	Rt.												
MILL ST	01+78.45	03+97.36	Lt.	208.0											2.0
TRAPELO RD	16+66.08	18+74.17	Lt.	71.0			182.0								3.0
TRAPELO RD	16+86.63	25+31.61	Rt.	730.0						7.0				1.0	1.0
TRAPELO RD	19+25.02	28+54.50	Lt.	515.0	66.0					18.0	2.0				1.0
TRAPELO RD	19+84.70	20+89.30	Cntr.			200.0				14.0					
TRAPELO RD	23+59.20	25+16.60	Cntr.			274.0	6.0			31.0					
TRAPELO RD	25+50.20	33+37.50	Rt.	503.0							16.0				2.0
TRAPELO RD	28+91.79	29+43.22	Lt.		133.0			15.0							
TRAPELO RD	29+96.47	34+55.63	Lt.	277.0		86.0				4.0				2.0	1.0
TRAPELO RD	33+49.00	34+77.27	Rt.	204.0				13.0		23.0	4.0			2.0	1.0
TRAPELO RD	35+16.19	37+89.40	Rt.	158.0						80.0					2.0
CHURCH ST	00+42.67	03+96.30	Lt.		320.0						2.0				1.0
CHURCH ST	01+03.25	03+91.00	Rt.	655.0				9.0		197.0				2.0	1.0
LEXINGTON ST	03+89.76	04+44.00	Lt.	28.0						24.0	1.0				
LEXINGTON ST	03+22.20	04+56.35	Rt.	78.0						32.0	1.0				1.0
TRAPELO RD	35+03.79	40+89.89	Lt.	6.0	164.5					42.0		3.0	1.0		4.0
TRAPELO RD	38+55.02	41+50.00	Rt.		270.0					70.0					1.0
TRAPELO RD	41+17.57	43+33.04	Lt.	104.0	104.0					32.0		4.0			1.0
TRAPELO RD	43+50.98	48+38.55	Lt.	395.0						17.0	6.0				1.0
TRAPELO RD	41+92.27	46+00.35	Rt.	189.0	124.0					72.0					1.0
TRAPELO RD	46+03.97	50+43.27	Rt.	297.0	15.0					20.0	5.0				2.0
TRAPELO RD	50+68.98	55+34.38	Rt.	63.0	276.0					48.0	1.0	1.0			
TRAPELO RD	48+70.70	53+19.10	Lt.	235.0						35.0	7.0				2.0
TRAPELO RD	53+45.48	56+11.74	Lt.		15.0					42.0					
TRAPELO RD	56+32.55	66+74.69	Lt.	478.0	90.0					105.0	18.0				2.0
TRAPELO RD	55+73.92	58+26.56	Rt.		132.0					33.0		1.0	1.0		1.0
TRAPELO RD	58+59.60	60+54.50	Rt.	108.0	20.0					20.0	3.0				
TRAPELO RD	60+87.65	71+26.04	Rt.	625.0	20.0					108.0	14.0				1.0
TRAPELO RD	61+66.26	68+27.84	Cntr.												
TRAPELO RD	72+95.75	73+23.47	Cntr.												
TRAPELO RD	67+26.70	70+55.94	Lt.	214.0						19.0	6.0				1.0
TRAPELO RD	70+72.16	70+98.97	Lt. Islnd												
TRAPELO RD	70+62.78	73+77.48	Lt.	175.0	5.0		50.0	23.0			5.0				2.0
TRAPELO RD	74+07.12	86+46.90	Lt.	667.0	220.0			16.0	155.0	21.0				2.0	2.0
HARRIET AVE	00+45.19	01+78.72	Rt.	19.0						55.0					1.0
HARRIET AVE	00+49.04	01+51.44	Lt.	114.0						26.0					
TRAPELO RD	71+66.42	73+37.63	Rt.	78.0						46.0	2.0				2.0
TRAPELO RD	73+60.96	75+48.67	Rt.	113.0	18.0					60.0	4.0				
TRAPELO RD	75+77.87	77+70.45	Rt.	128.0	20.0					65.0	2.0				1.0
TRAPELO RD	77+94.01	84+16.17	Rt.	441.0	21.0					90.0	15.0				2.0
TRAPELO RD	83+29.48	83+68.93	Cntr.												
TRAPELO RD	84+43.73	87+79.07	Rt.		82.0					38.0	3.0				
TRAPELO RD	86+61.52	87+01.38	Lt.							45.0					
COMMON ST N	01+51.22	05+56.35	Lt.		275.0					78.0				1.0	1.0
COMMON ST N	00+66.67	05+15.28	Rt.	66.0	390.0					2.0				1.0	1.0
COMMON ST S	00+43.95	04+05.96	Rt.	79.0	155.0					107.0	5.0				1.0
COMMON ST S	00+64.00	03+36.66	Lt.	119.0						9.0					1.0
TRAPELO RD	87+37.93	87+77.10	Lt.	20.0						34.0					1.0
TRAPELO RD	88+04.14	92+89.51	Lt.	273.0	45.0					80.0	2.0			2.0	2.0
TRAPELO RD	93+13.69	96+57.40	Lt.	76.0				58.0		33.0	1.0				1.0
TRAPELO RD	96+98.08	100+21.36	Lt.	211.0						73.0	3.0				
TRAPELO RD	88+36.51	100+15.32	Rt.	596.0	71.0			38.0		89.0	14.0				2.0
TRAPELO RD	89+93.40	90+17.35	Cntr.												
TRAPELO RD	92+01.01	92+30.37	Cntr.												
TRAPELO RD	94+79.58	95+32.29	Cntr.												
BELMONT ST	100+60.29	102+59.02	Rt.	131.0						73.0				1.0	1.0
BELMONT ST	102+87.40	115+45.38	Rt.	470.0						58.0				1.0	1.0
BELMONT ST	100+61.27	104+67.41	Lt.	217.0				19.0		93.0	8.0			1.0	1.0
BELMONT ST	104+96.78	113+05.52	Lt.	605.0					22.0	96.0	9.0			1.0	1.0
BELMONT ST	105+48.26	112+75.64	Cntr.												
BELMONT ST	113+45.73	115+16.49	Lt.	73.0						88.0	1.0				
BELMONT ST	115+46.35	117+09.62	Lt.	60.0						29.0	1.0				1.0
BELMONT ST	117+36.83	119+18.78	Lt.	110.0						92.0					

STREET	STATION		SIDE	STRAIGHT VA4			CURVED VA4			CURB CORNER VA4			CURB INLET STRAIGHT VA4		
	START	END		R&R	R,R&R	R&S	R&R	R,R&R	R&S	R&R	R,R&R	R&S	R&R	R,R&R	R&S
BELMONT ST	119+44.36	121+41.45	Lt.	106.0	48.0			56.0	69.0	1.0				1.0	
BELMONT ST	115+72.25	117+78.88	Rt.	175.0					33.0					2.0	
BELMONT ST	118+06.25	118+43.96	Rt.	17.0	18.0				85.0				1.0	1.0	
BELMONT ST	119+13.09	120+29.18	Rt.	358.0					85.0					2.0	
BELMONT ST	120+65.25	121+76.99	Rt.	196.0						7.0					
BELMONT ST	122+10.11	124+09.49	Rt.	42.0						1.0			2.0		
BELMONT ST	124+34.99	126+21.79	Rt.											1.0	
BELMONT ST	126+44.23	128+40.34	Rt.						46.0				1.0	1.0	
BELMONT ST	128+68.44	130+66.90	Rt.			7.0			80.0				1.0	2.0	
BELMONT ST	130+93.89	135+44.00	Rt.			11.0			126.0					3.0	
BELMONT ST	121+67.40	123+54.63	Lt.											1.0	
BELMONT ST	123+81.24	125+55.42	Lt.		81.0				3.0		3.0				
BELMONT ST	125+81.53	127+48.90	Lt.		179.0				10.0					1.0	
BELMONT ST	127+74.44	128+64.66	Lt.	80.0						1.0					
BELMONT ST	128+87.86	130+80.77	Lt.	121.0									1.0		
BELMONT ST	131+14.85	134+61.73	Lt.	157.0	123.0				51.0	4.0					
BELMONT ST	135+17.64	135+63.11	Lt.	191.0					60.0						
BELMONT ST	135+67.15	136+13.87	Rt.	213.0	41.0			22.0		4.0				1.0	
BELMONT ST	136+43.33	141+72.73	Rt.	414.0					68.0	10.0			3.0	1.0	
BELMONT ST	142+04.65	144+23.25	Rt.	15.0	19.0				78.0	1.0	1.0	1.0	1.0	2.0	
BELMONT ST	144+51.14	146+49.04	Rt.						75.0					2.0	
BELMONT ST	146+74.88	147+30.15	Rt.	32.0					43.0						
BELMONT ST	135+89.79	138+20.30	Lt.	142.0					37.0						
BELMONT ST	138+54.34	140+66.77	Lt.		205.0	16.0									
BELMONT ST	140+93.56	143+10.27	Lt.		191.0				7.0						
BELMONT ST	143+37.67	146+03.00	Lt.	81.0	106.0										
BELMONT ST	146+27.00	146+91.48	Lt.	63.0											

SUBTOTAL VA:	13603.0	4536.5	154.0	369.0	163.0	3641.0	231.0	15.0	3.0	50.0	57.0	0.0
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85% REUSABLE	11562.6	3856.0	130.9	313.7	138.6	3094.9	196.4	12.8	2.6	42.5	48.5	0.0
5% R&S	680.15	226.825	7.7	18.45	8.15	182.05	11.55	0.75	0.15	2.5	2.85	0
10% R&D	1360.3	453.65	15.4	36.9	16.3	364.1	23.1	1.5	0.3	5	5.7	0

CURB LENGTHS - PROPOSED

VA = CONCRETE CURB TYPE VA-4
VB = GRANITE CURB TYPE VB

STREET	STATION		SIDE	(NEW) LENGTH (LF) VB		LENGTH (LF) FROM RESET		LENGTH (LF) FROM RELOCATED & RESET		LENGTH (LF) VB WHEELCHAIR TRANS. CURB		6.5' GRANITE TRANSITION STONE (EA) STR.	GRANITE CURB INLET			CURB CORNER (EA)		
	START	END		STR.	CURV.	STR.	CURV.	STR.	CURV.	STR.	CURV.		RESET (EA)	RELOCATED & RESET (EA)	NEW (EA)	RESET	RELOCATE	NEW
													STR.	STR.	STR.	STR.	STR.	STR.
MILL ST	00+00.00	02+54.95	Rt.		28.0	190.0				6.5	14.0		1.0					
MILL ST	02+73.08	03+69.61	Rt.	50.0	6.5					16.0	24.0		1.0					
MILL ST	01+78.45	03+97.36	Lt.			180.0				21.5			2.0					
TRAPELO RD	16+66.08	18+74.17	Lt.			40.0	152.0			26.0	31.0		2.0					
TRAPELO RD	16+86.63	25+31.61	Rt.		25.0	647.0				52.0	8.0			2.0	1.0	6.0		
TRAPELO RD	19+25.02	28+54.50	Lt.	469.0	60.0	453.0				16.0			1.0		1.0		4.0	
TRAPELO RD	25+50.20	33+37.50	Rt.			380.0				74.0	19.0		1.0	3.0		12.0	12.0	
TRAPELO RD	28+91.79	29+43.22	Lt.	115.0	51.5													
TRAPELO RD	29+96.47	34+55.63	Lt.	6.5	24.0	302.0				20.5	50.0		1.0	1.0				
TRAPELO RD	33+49.00	34+77.27	Rt.	6.0		192.0	16.0			47.5	10.0		2.0		2.0		1.0	
TRAPELO RD	35+16.19	37+89.40	Rt.		47.0	141.0	2.0				21.5			1.0				
CHURCH ST	00+42.67	03+96.30	Lt.	288.0						9.0	3.0				2.0		2.0	
CHURCH ST	01+03.25	03+91.00	Rt.	5.0	29.0	650.0	27.0			41.0	88.0		4.0		1.0			
LEXINGTON ST	03+89.76	04+44.00	Lt.		9.0	15.0				6.8	12.0			1.0				
LEXINGTON ST	03+22.20	04+56.35	Rt.			37.0				54.0	16.0				1.0			
TRAPELO RD	35+03.79	40+89.89	Lt.	173.0	22.0					48.0	35.0				3.0		6.0	
TRAPELO RD	38+55.02	41+50.00	Rt.	192.0	51.0					2.0	46.0				3.0			
TRAPELO RD	41+17.57	43+33.04	Lt.	4.0	65.0	185.0					28.0	1.0	1.0			2.0		
TRAPELO RD	43+50.98	48+38.55	Lt.	36.0	122.0	338.0	43.0			64.0	15.0				2.0	6.0	1.0	
TRAPELO RD	41+92.27	46+00.35	Rt.	2.0	69.0	258.0				11.0	38.0		1.0		1.0		7.0	
TRAPELO RD	46+03.97	50+43.27	Rt.	79.0	74.0	167.0				55.0	14.0				1.0	2.0	4.0	
TRAPELO RD	50+68.98	55+34.38	Rt.	360.0	15.0	49.0				13.5	45.0			1.0	1.0	1.0	1.0	
TRAPELO RD	48+70.70	53+19.10	Lt.		42.0	246.0					33.0		1.0	1.0		7.0	2.0	
TRAPELO RD	53+45.48	56+11.74	Lt.	229.0	30.0					9.0	35.0					2.0	1.0	
TRAPELO RD	56+32.55	66+74.69	Lt.	173.5	78.0	418.0				9.5	62.5		2.0			15.0	4.0	
TRAPELO RD	55+73.92	58+26.56	Rt.	115.0	17.0	7.0				9.8	42.0						5.0	
TRAPELO RD	58+59.60	60+54.50	Rt.		5.0	82.0				30.0	24.0			1.0		2.0	2.0	
TRAPELO RD	60+87.65	71+26.04	Rt.	54.5	51.0	570.0				51.5	63.0		1.0	1.0		6.0	4.0	
TRAPELO RD	61+66.26	68+27.84	Cntr.	410.0	113.0													
TRAPELO RD	72+95.75	73+23.47	Cntr.	47.0	22.0													
TRAPELO RD	67+26.70	70+55.94	Lt.		28.0	201.0	51.0			19.0	14.0			1.0		2.0	2.0	
TRAPELO RD	70+72.16	70+98.97	Lt. Isld	13.0	10.0					22.5	18.0				2.0		1.0	
TRAPELO RD	70+62.78	73+77.48	Lt.	5.0	38.0	194.0	29.0			25.0	20.5		1.0		1.0	5.0	1.0	
TRAPELO RD	74+07.12	86+46.90	Lt.	203.0	53.5	697.0	17.0			26.5	45.5		1.0	3.0		20.0	7.0	
HARRIET AVE	00+45.19	01+78.72	Rt.	28.5	28.3	76.0				26.0	21.5			2.0			1.0	
HARRIET AVE	00+49.04	01+51.44	Lt.		73.0					4.5	2.0						2.0	
TRAPELO RD	71+66.42	73+37.63	Rt.		19.0	84.0				22.0	35.0	1.0	1.0		1.0	2.0		
TRAPELO RD	73+60.96	75+48.67	Rt.	2.0	35.0	102.0				37.0	2.0			1.0		4.0		
TRAPELO RD	75+77.87	77+70.45	Rt.	16.0	38.0	122.0				34.0	2.0		1.0			2.0		
TRAPELO RD	77+94.01	84+16.17	Rt.	44.0	42.0	381.0				17.0	48.0	1.0		1.0	2.0	14.0		
TRAPELO RD	83+29.48	83+68.93	Cntr.	64.0	24.0													
TRAPELO RD	84+43.73	87+79.07	Rt.	66.0	64.0	112.0				6.5	36.5			1.0	1.0		1.0	
TRAPELO RD	86+61.52	87+01.38	Lt.	98.0	42.0												2.0	
COMMON ST N	01+51.22	05+56.35	Lt.		15.0		17.0			6.0	44.0		1.0					
COMMON ST N	00+66.67	05+15.28	Rt.	350.0	8.0	24.0				7.0	33.0				1.0		2.0	
COMMON ST S	00+43.95	04+05.96	Rt.	158.0	40.0	78.0				5.5	43.0	2.0			2.0		3.0	
COMMON ST S	00+64.00	03+36.66	Lt.	4.0	4.0	122.0									8.0	2.0	1.0	
TRAPELO RD	87+37.93	87+77.10	Lt.	3.5	44.0	32.0				18.0	7.5				1.0			
TRAPELO RD	88+04.14	92+89.51	Lt.	171.0	87.0	236.0				49.0	6.5		1.0	1.0		2.0	2.0	
TRAPELO RD	93+13.69	96+57.40	Lt.		25.5	72.0	30.0	123.0			34.5			1.0		3.0	5.0	
TRAPELO RD	96+98.08	100+21.36	Lt.		11.0	232.0				9.0	51.0			1.0		2.0	1.0	
TRAPELO RD	88+36.51	100+15.32	Rt.	128.0	79.0	593.0				60.0	33.0	1.0	1.0		11.0	15.0	2.0	
TRAPELO RD	89+93.40	90+17.35	Cntr.		25.0					40.0								
TRAPELO RD	92+01.01	92+30.37	Cntr.		25.0					42.0								
TRAPELO RD	94+79.58	95+32.29	Cntr.		25.0					90.0								
BELMONT ST	100+60.29	102+59.02	Rt.		11.0	145.0				9.0	18.0		1.0					
BELMONT ST	102+87.40	115+45.38	Rt.	44.0	83.0	410.0	1.0	652.0		37.0	23.0	1.0		3.0	2.0		2.0	
BELMONT ST	100+61.27	104+67.41	Lt.	2.8	20.0	260.0	20.0				43.0		1.0		2.0		5.0	
BELMONT ST	104+96.78	113+05.52	Lt.		83.0	560.0	25.0			3.0	35.0			3.0		8.0	6.0	
BELMONT ST	105+48.26	112+75.64	Cntr.		73.0													
BELMONT ST	113+45.73	115+16.49	Lt.	14.0	71.0	52.0				16.0	35.0	1.0		1.0	1.0		2.0	
BELMONT ST	115+46.35	117+09.62	Lt.	6.5	25.0	113.0	11.0			5.5	33.0	1.0	1.0		1.0	1.0	1.0	
BELMONT ST	117+36.83	119+18.78	Lt.		21.0	33.0	10.0	79.0		5.5	35.5			2.0	1.0		2.0	
BELMONT ST	119+44.36	121+41.45	Lt.	59.0	32.0	82.0	27.0			26.5	37.0		1.0	1.0			1.0	
BELMONT ST	115+72.25	117+78.88	Rt.	12.0	25.5	131.0				6.5	26.0	2.0	1.0				4.0	
BELMONT ST	118+06.25	118+43.96	Rt.	31.0	30.0						32.0		2.0		1.0			
BELMONT ST	119+13.09	120+29.18	Rt.		7.5	330.0				32.0	16.0		1.0	2.0				
BELMONT ST	120+65.25	121+76.99	Rt.	16.0		110.0	24.0			45.5	4.5	1.0		2.0		5.0	1.0	
BELMONT ST	122+10.11	124+09.49	Rt.	109.0						44.0	14.0	1.0					6.0	
BELMONT ST	124+34.99	126+21.79	Rt.	77.0	10.0					34.0	27.0	2.0			1.0		4.0	
BELMONT ST	126+44.23	128+40.34	Rt.	133.0	17.0					22.0	21.0	2.0			1.0		2.0	
BELMONT ST	128+68.44	130+66.90	Rt.	71.0	42.0					31.5	25.0	2.0			2.0		4.0	
BELMONT ST	130+93.89	135+44.00	Rt.	260.0	62.0					72.0	31.0	39.0	2.0	1.0		3.0	5.0	
BELMONT ST	121+67.40	123+54.63	Lt.	140.0	25.5					58.0	20.0	40.0			2.0			
BELMONT ST	123+81.24	125+55.42	Lt.	92.0							26.0	14.0	1.0				6.0	
BELMONT ST	125+81.53	127+48.90	Lt.	138.0							34.0	14.0	2.0		3.0			
BELMONT ST	127+74.44	128+64.66	Lt.	9.0		55.0					27.0	19.0	2.0		2.0			
BELMONT ST	128+87.86	130+80.77	Lt.	9.0	24.5	98.0				36.0	21.5	1.0					1.0	
BELMONT ST	131+14.85	134+61.73	Lt.	225.0	46.0	114.0				11.5	21.0	2.0			1.0	2.0	4.0	
BELMONT ST	135+17.64	135+63.11	Lt.	15.5	22.5	150.0				84.5	20.0							
BELMONT ST	135+67.15	136+13.87	Rt.		22.0	194.0		130.0		13.0	12.0	1.0			3.0		1.0	
BELMONT ST	136+43.33	141+72.73	Rt.	18.0	49.0	394.0				31.5	37.5		3.0	2.0		11.0	2.0	
BELMONT ST	142+04.65	144+23.25	Rt.	17.0	35.0	34.0				71.0	31.5	1.0	1.0		1.0	2.0	1.0	
BELMONT ST	144+51.14	146+49.04	Rt.	31.0	36.0					89.0	10.5	38.0	1.0			3.0		
BELMONT ST	146+74.88	147+30.15	Rt.		23.0	34.0					13.0							
BELMONT ST	135+89.79	138+20.30	Lt.	14.0		109.0				40.0	20.0	2.0		1.0			1.0	
BELMONT ST	138+54.34	140+66.77	Lt.	180.0						15.5	16.0					5.0		
BELMONT ST	140+93.56	143+10.27	Lt.															

EARTHWORKS

Station	Distance (LF)	Cut			Fill			Rock			Special Borrow		
		End Area (SF)	Avg. End Area (SF)	Vol. (CF)	End Area (SF)	Avg. End Area (SF)	Vol. (CF)	End Area (SF)	Avg. End Area (SF)	Vol. (CF)	End Area (SF)	Avg. End Area (SF)	Vol. (CF)
2+50	0	0.00	-	-	0.00	-	-	0.00	-	-	0.00	-	-
2+00	50	2.54	2.54	127.00	2.98	2.98	149.00	0.00	0.00	0.00	0.00	0.00	0.00
1+50	50	4.00	3.27	163.50	1.68	2.33	116.50	0.00	0.00	0.00	0.00	0.00	0.00
1+00	50	12.68	8.34	417.00	1.65	1.67	83.25	0.00	0.00	0.00	0.00	0.00	0.00
0+50	50	19.68	16.18	809.00	0.00	0.83	41.25	0.00	0.00	0.00	0.00	0.00	0.00
19+50	50	0.00	9.84	492.00	1.20	0.60	30.00	0.00	0.00	0.00	0.00	0.00	0.00
20+00	50	31.55	15.78	788.75	1.00	1.10	55.00	0.00	0.00	0.00	0.00	0.00	0.00
20+50	50	28.52	30.04	1501.75	0.00	0.50	25.00	0.00	0.00	0.00	0.00	0.00	0.00
21+00	50	14.99	21.76	1087.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21+50	50	65.95	40.47	2023.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22+00	50	82.24	74.10	3704.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22+50	50	99.19	90.72	4535.75	0.00	0.00	0.00	51.28	25.64	1282.00	14.43	7.22	360.75
23+00	50	59.37	79.28	3964.00	0.00	0.00	0.00	86.34	68.81	3440.50	13.63	14.03	701.50
23+50	50	14.20	36.79	1839.25	0.00	0.00	0.00	159.28	122.81	6140.50	13.83	13.73	686.50

Total Cut for Roadway (CF):	21454.00	Total Fill for Roadway (CF):	500.00	Total Rock for Roadway (CF):	10863.00	Total Special Borrow for Roadway (CF):	1748.75
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TOTAL	20954.0	CF
TOTAL	776.1	CY

MASTER PLANT LIST

STREET	STATION	SIDE	TYPE	QTY.	TYPE	ITEM #	SYMBOL TO ITEM NAME	UNITS
GROVE ST.	0	+	58 RT	AA	1	PR	ITEM 773.238 PINE - RED 8-9 FEET HEIGHT	EACH
LEXINGTON	1	+	28 RT	AA	1	PS	ITEM 773.436 PINE - WHITE 5-6 FEET HEIGHT	EACH
TRAPELO RD.	123	+	0 LT	AA	1	FP	ITEM 775.004 ASH - GREEN 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	126	+	7 RT	AA	1	FG	ITEM 775.018 BEECH - RIVERS PURPLE 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	43	+	24 RT	AA	1	UA	ITEM 775.028 ELM-AMERICAN-VALLEY FORGE 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	40	+	26 RT	AA	1	CF	ITEM 775.054 HORNBEAM FASTIGIATE 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	129	+	28 RT	AA	1	SJ	ITEM 775.061 PAGODA TREE 'REGENT' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	42	+	35 RT	AA	1	TC	ITEM 775.148 LINDEN - LITTLE LEAF - 'GREENSPIRE' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	123	+	38 RT	AA	1	GT	ITEM 775.437 LOCUST - HONEY - 'SKYLINE' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	126	+	40 LT	AA	1	AC	ITEM 776.042 MAPLE - HEDGE 1.5-2 INCH CALIPER	EACH
TRAPELO RD.	124	+	46 RT	AA	1	AA	ITEM 776.523 MAPLE - RED 'ARMSTRONG' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	42	+	56 RT	AA	1	AR	ITEM 776.543 MAPLE - RED 'OCTOBER GLORY' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	122	+	64 LT	AA	1	OR	ITEM 777.036 OAK - NORTHERN RED 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	126	+	69 LT	AA	1	OP	ITEM 777.142 OAK - PIN GREEN PILLAR 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	127	+	71 RT	AA	1	QF	ITEM 777.164 OAK - PYRAMIDAL ENGLISH 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	40	+	72 RT	AA	1	QC	ITEM 777.241 OAK - SCARLET 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	124	+	72 RT	AA	1	QA	ITEM 777.331 OAK - WHITE 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	42	+	77 RT	AA	1	PA	ITEM 777.542 PLANETREE - LONDON 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	123	+	77 RT	AA	1	MA	ITEM 778.412 CRABAPPLE - 'ADIRONDACK' 1.5-2 INCH CALIPER	EACH
TRAPELO RD.	122	+	78 RT	AA	1	GB	ITEM 781.152 GINKGO - BILOBA 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	39	+	95 LT	AA	1	GF	ITEM 781.155 GINKGO - BILOBA 'FASTIGIATA' 2-2.5 INCH CALIPER	EACH
				TOTAL	21	EA		
TRAPELO RD.	69	+	0 LT	AC	1	SR	ITEM 781.578 LILAC TREE - JAPANESE 1.5-2 INCH CALIPER	EACH
TRAPELO RD.	66	+	6 AC	AC	1	SA	ITEM 782.252 MOUNTAIN ASH - KOREAN - PYRAMIDAL 1.5-2 INCH CALIPER	EACH
TRAPELO RD.	68	+	8 LT	AC	1	PC	ITEM 782.423 PEAR - CALLERY - 'CHANTICLEER' 2-2.5 INCH CALIPER	EACH
TRAPELO RD.	65	+	85 AC	AC	1	IG	ITEM 785.643 INKBERRY - DENSA 2-3 FEET HEIGHT	EACH
TRAPELO RD.	67	+	93 LT	AC	1	JS	ITEM 786.461 JUNIPER - 'SARGENT'S' 15-18 INCH SPREAD	EACH
TRAPELO RD.	65	+	96 AC	AC	1	JG	ITEM 786.471 JUNIPER - 'SEA GREEN' 18-24 INCH HEIGHT	EACH
				TOTAL	6	EA		
ARLINGTON ST.	2	+	2 LT	AR	1	TB	ITEM 787.262 YEW - SPREADING ENGLISH 15-18 INCH SPREAD	EACH
ARLINGTON ST.	2	+	32 LT	AR	1	TH	ITEM 787.245 YEW - HICKS 30-36 INCH	EACH
ARLINGTON ST.	2	+	95 RT	AR	1	FO	ITEM 791.251 FORSYTHIA - 'ARNOLD DWARF' 15-24 INCH	EACH
ARLINGTON ST.	1	+	98 RT	AR	1	LI	ITEM 793.331 PRIVET - REGAL 18-24 INCH	EACH
SCHOOL ST.	0	+	16 MED	AR	1	AU	ITEM 796.011 BEAR BERRY 2 GALLON	EACH
SCHOOL ST.	1	+	36 MED	AR	1	PH	ITEM 796.423 DWARF FOUNTAIN GRASS - 'HAMELN' 1 GALLON	EACH
SCHOOL ST.	1	+	45 LT	AR	1			
SCHOOL ST.	1	+	57 MED	AR	1			
SCHOOL ST.	0	+	76 MED	AR	1			
SCHOOL ST.	1	+	80 LT	AR	1			
SCHOOL ST.	0	+	90 LT	AR	1			
SCHOOL ST.	0	+	97 MED	AR	1			
TEMPLETON PKW.	1	+	4 LT	AR	1			
TEMPLETON PKW.	1	+	12 RT	AR	1			
TEMPLETON PKW.	1	+	32 LT	AR	1			
TEMPLETON PKW.	1	+	51 RT	AR	1			
TEMPLETON PKW.	0	+	76 LT	AR	1			
TRAPELO RD.	125	+	1 RT	AR	1			
TRAPELO RD.	128	+	3 LT	AR	1			
TRAPELO RD.	133	+	5 LT	AR	1			
TRAPELO RD.	118	+	7 RT	AR	1			
TRAPELO RD.	134	+	10 LT	AR	1			
TRAPELO RD.	131	+	11 RT	AR	1			
TRAPELO RD.	127	+	13 LT	AR	1			
TRAPELO RD.	116	+	15 LT	AR	1			
TRAPELO RD.	118	+	16 LT	AR	1			
TRAPELO RD.	129	+	16 LT	AR	1			
TRAPELO RD.	119	+	18 RT	AR	1			
TRAPELO RD.	118	+	30 RT	AR	1			
TRAPELO RD.	119	+	31 RT	AR	1			
TRAPELO RD.	119	+	32 MED	AR	1			
TRAPELO RD.	128	+	33 LT	AR	1			
TRAPELO RD.	130	+	33 RT	AR	1			
TRAPELO RD.	122	+	40 RT	AR	1			
TRAPELO RD.	119	+	41 MED	AR	1			
TRAPELO RD.	117	+	48 RT	AR	1			
TRAPELO RD.	133	+	48 LT	AR	1			
TRAPELO RD.	119	+	49 RT	AR	1			
TRAPELO RD.	116	+	50 RT	AR	1			
TRAPELO RD.	130	+	52 LT	AR	1			
TRAPELO RD.	137	+	52 RT	AR	1			
TRAPELO RD.	116	+	58 LT	AR	1			
TRAPELO RD.	118	+	61 RT	AR	1			
TRAPELO RD.	126	+	62 RT	AR	1			
TRAPELO RD.	117	+	74 RT	AR	1			
TRAPELO RD.	117	+	80 LT	AR	1			
TRAPELO RD.	118	+	85 LT	AR	1			
TRAPELO RD.	136	+	86 RT	AR	1			
TRAPELO RD.	129	+	93 RT	AR	1			
TRAPELO RD.	128	+	94 RT	AR	1			
				TOTAL	50	EA		
TRAPELO RD.	88	+	17 9, LT	AU	9			
				TOTAL	9	EA		
TRAPELO RD.	109	+	3 LT	CF	1			
TRAPELO RD.	92	+	9 RT	CF	1			
TRAPELO RD.	104	+	24 LT	CF	1			
TRAPELO RD.	94	+	32 LT	CF	1			
TRAPELO RD.	98	+	34 RT	CF	1			
TRAPELO RD.	111	+	39 LT	CF	1			
TRAPELO RD.	96	+	73 RT	CF	1			
TRAPELO RD.	92	+	86 LT	CF	1			
TRAPELO RD.	91	+	91 RT	CF	1			
TRAPELO RD.	96	+	95 RT	CF	1			
TRAPELO RD.	93	+	99 LT	CF	1			
				TOTAL	11	EA		
TRAPELO RD.	101	+	14 RT	FG	1			
				TOTAL	1	EA		
ARLINGTON ST.	1	+	53 1, RT	FO	1			
				TOTAL	1	EA		
BARTLET AVE.	1	+	10 RT	FP	1			
BARTLET AVE.	0	+	57 LT	FP	1			
BARTLET AVE.	0	+	83 RT	FP	1			
BARTLET AVE.	0	+	87 LT	FP	1			

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY</u>	<u>EA</u>	<u>TYPE</u>	<u>ITEM #</u>	<u>NAME</u>	<u>UNITS</u>
TRAPELO RD.	63	+	0	MED	GB	1			
TRAPELO RD.	70	+	11		GB	1			
TRAPELO RD.	64	+	14	RT	GB	1			
TRAPELO RD.	68	+	14	MED	GB	1			
TRAPELO RD.	62	+	18	MED	GB	1			
TRAPELO RD.	65	+	18	RT	GB	1			
TRAPELO RD.	61	+	19	LT	GB	1			
TRAPELO RD.	63	+	25	MED	GB	1			
TRAPELO RD.	66	+	26	LT	GB	1			
TRAPELO RD.	72	+	30	LT	GB	1			
TRAPELO RD.	73	+	32	LT	GB	1			
TRAPELO RD.	67	+	34	LT	GB	1			
TRAPELO RD.	70	+	49		GB	1			
TRAPELO RD.	63	+	50	MED	GB	1			
TRAPELO RD.	69	+	50		GB	1			
TRAPELO RD.	61	+	54	LT	GB	1			
TRAPELO RD.	64	+	55	RT	GB	1			
TRAPELO RD.	63	+	57	RT	GB	1			
TRAPELO RD.	67	+	60	MED	GB	1			
TRAPELO RD.	67	+	65	LT	GB	1			
TRAPELO RD.	61	+	67	MED	GB	1			
TRAPELO RD.	61	+	69	RT	GB	1			
TRAPELO RD.	69	+	77		GB	1			
TRAPELO RD.	70	+	79		GB	1			
TRAPELO RD.	72	+	85	LT	GB	1			
TRAPELO RD.	67	+	86	MED	GB	1			
TRAPELO RD.	62	+	91	LT	GB	1			
TRAPELO RD.	64	+	92	RT	GB	1			
TRAPELO RD.	61	+	93	MED	GB	1			
TRAPELO RD.	68	+	94		GB	1			
TRAPELO RD.	72	+	97	MED	GB	1			
TRAPELO RD.	61	+	99	LT	GB	1			
TRAPELO RD.	62	+	19	RT	GF	1			
				TOTAL	33	EA			
TRAPELO RD.	62	+	53	RT	GF	1			
TRAPELO RD.	61	+	94	RT	GF	1			
TRAPELO RD.	72	+	97	RT	GF	1			
				TOTAL	3	EA			
CHURCH ST.	2	+	21	RT	GT	1			
CHURCH ST.	2	+	45	LT	GT	1			
CHURCH ST.	22	+	47	RT	GT	1			
CHURCH ST.	1	+	69	RT	GT	1			
CHURCH ST.	0	+	94	LT	GT	1			
CHURCH ST.	1	+	95	RT	GT	1			
N. COMMON ST.	2	+	6	LT	GT	1			
N. COMMON ST.	1	+	17	RT	GT	1			
N. COMMON ST.	3	+	26	RT	GT	1			
N. COMMON ST.	3	+	53	RT	GT	1			
N. COMMON ST.	1	+	54	RT	GT	1			
N. COMMON ST.	1	+	79	LT	GT	1			
N. COMMON ST.	3	+	80	RT	GT	1			
N. COMMON ST.	0	+	99	MED	GT	1			
S. COMMON ST.	1	+	12	LT	GT	1			
S. COMMON ST.	3	+	23	LT	GT	1			
S. COMMON ST.	2	+	24	RT	GT	1			
S. COMMON ST.	2	+	30	LT	GT	1			
S. COMMON ST.	3	+	50	RT	GT	1			
S. COMMON ST.	2	+	59	LT	GT	1			
S. COMMON ST.	1	+	92	LT	GT	1			
S. COMMON ST.	1	+	94	RT	GT	1			
TRAPELO RD.	3	+	0	RT	GT	1			
TRAPELO RD.	88	+	18	LT	GT	1			
				TOTAL	24	EA			
TRAPELO RD.	62	+	0	RT-12	IG	12			
TRAPELO RD.	62	+	50	RT-4	IG	4			
TRAPELO RD.	87	+	60	9, LT	IG	9			
TRAPELO RD.	66	+	65	4, LT	IG	4			
TRAPELO RD.	99	+	91	13, RT	IG	13			
				TOTAL	42	EA			
TRAPELO RD.	73	+	8	MED-6	JG	6			
TRAPELO RD.	90	+	8	MED-6	JG	6			
TRAPELO RD.	92	+	15	6, MED	JG	6			
TRAPELO RD.	65	+	62	6, MED	JG	6			
TRAPELO RD.	86	+	80	8, MED	JG	8			
				TOTAL	32	EA			
TRAPELO RD.	87	+	24	6, RT	JS	6			
TRAPELO RD.	87	+	60	2, LT	JS	2			
				TOTAL	8	EA			
ARLINGTON ST.	2	+	38	RT	LI	1			
ARLINGTON ST.	1	+	50	3, RT	LI	3			
ARLINGTON ST.	2	+	80	RT	LI	4			
TRAPELO RD.	145	+	89	4, LT	LI	1			
				TOTAL	9	EA			
TRAPELO RD.	113	+	0	LT	MA	1			
TRAPELO RD.	127	+	0	RT	MA	1			
TRAPELO RD.	43	+	1	LT	MA	1			
TRAPELO RD.	120	+	3	RT	MA	1			
TRAPELO RD.	89	+	15	RT	MA	1			
TRAPELO RD.	89	+	26	RT	MA	1			
TRAPELO RD.	119	+	41	RT	MA	1			
TRAPELO RD.	119	+	53	RT	MA	1			
TRAPELO RD.	119	+	66	RT	MA	1			
TRAPELO RD.	119	+	79	RT	MA	1			
TRAPELO RD.	42	+	84	LT	MA	1			
TRAPELO RD.	119	+	92	RT	MA	1			
				TOTAL	12	EA			
CHURCH ST.	3	+	2	RT	PA	1			
CHURCH ST.	1	+	21	RT	PA	1			
CHURCH ST.	2	+	31	RT	PA	1			
CHURCH ST.	1	+	59	RT	PA	1			
CHURCH ST.	2	+	67	RT	PA	1			
CHURCH ST.	1	+	94	RT	PA	1			
TRAPELO RD.	33	+	13		PA	1			

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY</u>	<u>TYPE</u>	<u>ITEM #</u>	<u>NAME</u>	<u>UNITS</u>
TRAPELO RD.	32	+	17 RT	PA	1			
TRAPELO RD.	33	+	27 RT	PA	1			
TRAPELO RD.	35	+	52 LT	PA	1			
TRAPELO RD.	33	+	57 RT	PA	1			
TRAPELO RD.	31	+	92 LT	PA	1			
			TOTAL	12	EA			
N. COMMON ST.	2	+	4 RT	PC	1			
N. COMMON ST.	3	+	25 LT	PC	1			
N. COMMON ST.	2	+	39 LT	PC	1			
N. COMMON ST.	2	+	53 RT	PC	1			
N. COMMON ST.	2	+	65 RT	PC	1			
N. COMMON ST.	2	+	84 LT	PC	1			
S. COMMON ST.	1	+	12 RT	PC	1			
S. COMMON ST.	0	+	74 RT	PC	1			
TRAPELO RD.	2	+	16 RT	PC	1			
TRAPELO RD.	85	+	25 LT	PC	1			
TRAPELO RD.	90	+	47 RT	PC	1			
TRAPELO RD.	85	+	57 LT	PC	1			
TRAPELO RD.	85	+	88 LT	PC	1			
TRAPELO RD.	84	+	96 LT	PC	1			
			TOTAL	14	EA			
TRAPELO RD.	88	+	17 14, LT	PH	14			
TRAPELO RD.	87	+	24 20, RT	PH	20			
TRAPELO RD.	87	+	60 12, LT	PH	12			
TRAPELO RD.	87	+	60 16, LT	PH	16			
			TOTAL	62	EA			
TRAPELO RD.	19	+	67 LT	PS	1			
TRAPELO RD.	20	+	4 LT	PS	1			
			TOTAL	2	EA			
TRAPELO RD.	23	+	29 LT	PR	1			
TRAPELO RD.	22	+	35 LT	PR	1			
TRAPELO RD.	21	+	42 LT	PR	1			
TRAPELO RD.	21	+	57 LT	PR	1			
TRAPELO RD.	23	+	63 LT	PR	1			
TRAPELO RD.	22	+	66 LT	PR	1			
TRAPELO RD.	22	+	0 LT	PR	1			
TRAPELO RD.	22	+	97 LT	PR	1			
			TOTAL	8	EA			
MILL ST.	1	+	18 RT	QA	1			
MILL ST.	1	+	43 RT	QA	1			
MILL ST.	1	+	68 RT	QA	1			
MILL ST.	0	+	90 RT	QA	1			
TRAPELO RD.	21	+	24 RT	QA	1			
TRAPELO RD.	19	+	34 LT	QA	1			
TRAPELO RD.	21	+	58 RT	QA	1			
TRAPELO RD.	20	+	87 RT	QA	1			
TRAPELO RD.	21	+	92 RT	QA	1			
			TOTAL	9	EA			
TRAPELO RD.	75	+	3 RT	QC	1			
TRAPELO RD.	145	+	9 RT	QC	1			
TRAPELO RD.	80	+	10 LT	QC	1			
TRAPELO RD.	77	+	12 LT	QC	1			
TRAPELO RD.	80	+	12 RT	QC	1			
TRAPELO RD.	79	+	14 RT	QC	1			
TRAPELO RD.	145	+	17 LT	QC	1			
TRAPELO RD.	142	+	18 RT	QC	1			
TRAPELO RD.	144	+	25 RT	QC	1			
TRAPELO RD.	146	+	28 RT	QC	1			
TRAPELO RD.	82	+	29 LT	QC	1			
TRAPELO RD.	84	+	29 LT	QC	1			
TRAPELO RD.	146	+	30 LT	QC	1			
TRAPELO RD.	83	+	35 MED	QC	1			
TRAPELO RD.	80	+	41 RT	QC	1			
TRAPELO RD.	76	+	42 LT	QC	1			
TRAPELO RD.	81	+	43 LT	QC	1			
TRAPELO RD.	78	+	48 LT	QC	1			
TRAPELO RD.	79	+	55 LT	QC	1			
TRAPELO RD.	142	+	61 LT	QC	1			
TRAPELO RD.	83	+	62 MED	QC	1			
TRAPELO RD.	144	+	62 RT	QC	1			
TRAPELO RD.	81	+	66 RT	QC	1			
TRAPELO RD.	80	+	68 LT	QC	1			
TRAPELO RD.	79	+	75 RT	QC	1			
TRAPELO RD.	76	+	76 RT	QC	1			
TRAPELO RD.	145	+	77 LT	QC	1			
TRAPELO RD.	81	+	83 LT	QC	1			
TRAPELO RD.	78	+	85 RT	QC	1			
TRAPELO RD.	143	+	85 RT	QC	1			
TRAPELO RD.	77	+	88 LT	QC	1			
TRAPELO RD.	78	+	91 LT	QC	1			
TRAPELO RD.	142	+	91 RT	QC	1			
TRAPELO RD.	137	+	93 LT	QC	1			
TRAPELO RD.	82	+	94 LT	QC	1			
			TOTAL	35	EA			
TRAPELO RD.	46	+	7 LT	QF	1			
TRAPELO RD.	57	+	7 LT	QF	1			
TRAPELO RD.	55	+	8 LT	QF	1			
TRAPELO RD.	60	+	11 LT	QF	1			
TRAPELO RD.	54	+	15 LT	QF	1			
TRAPELO RD.	60	+	24 RT	QF	1			
TRAPELO RD.	51	+	33 LT	QF	1			
TRAPELO RD.	46	+	40 LT	QF	1			
TRAPELO RD.	47	+	40 LT	QF	1			
TRAPELO RD.	54	+	46 LT	QF	1			
TRAPELO RD.	55	+	46 LT	QF	1			
TRAPELO RD.	45	+	48 LT	QF	1			
TRAPELO RD.	60	+	48 LT	QF	1			
TRAPELO RD.	54	+	52 RT	QF	1			
TRAPELO RD.	59	+	56 RT	QF	1			
TRAPELO RD.	53	+	61 RT	QF	1			
TRAPELO RD.	46	+	67 LT	QF	1			
TRAPELO RD.	54	+	70 RT	QF	1			
TRAPELO RD.	54	+	77 LT	QF	1			
TRAPELO RD.	53	+	84 LT	QF	1			
TRAPELO RD.	53	+	84 RT	QF	1			
TRAPELO RD.	56	+	86 LT	QF	1			

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY</u>	<u>EA</u>	<u>TYPE</u>	<u>ITEM #</u>	<u>NAME</u>	<u>UNITS</u>
TRAPELO RD.	82	+	7 RT	QP	1				
TRAPELO RD.	139	+	13 RT	QP	1				
TRAPELO RD.	144	+	18 LT	QP	1				
TRAPELO RD.	75	+	27 LT	QP	1				
TRAPELO RD.	139	+	44 RT	QP	1				
TRAPELO RD.	82	+	51 RT	QP	1				
TRAPELO RD.	138	+	51 RT	QP	1				
TRAPELO RD.	145	+	59 RT	QP	1				
TRAPELO RD.	143	+	67 LT	QP	1				
TRAPELO RD.	141	+	68 RT	QP	1				
TRAPELO RD.	138	+	78 RT	QP	1				
TRAPELO RD.	82	+	83 RT	QP	1				
TRAPELO RD.	137	+	87 RT	QP	1				
TRAPELO RD.	139	+	93 RT	QP	1				
TRAPELO RD.	143	+	93 LT	QP	1				
			TOTAL		15				EA
TRAPELO RD.	23	+	13 LT	QR	1				
TRAPELO RD.	22	+	19 LT	QR	1				
TRAPELO RD.	21	+	24 LT	QR	1				
TRAPELO RD.	23	+	45 LT	QR	1				
TRAPELO RD.	22	+	51 LT	QR	1				
TRAPELO RD.	99	+	65 RT	QR	1				
TRAPELO RD.	22	+	81 LT	QR	1				
TRAPELO RD.	99	+	86 RT	QR	1				
TRAPELO RD.	99	+	99 RT	QR	1				
			TOTAL		9				EA
CHURCH ST.	3	+	6 LT	SA	1				
CHURCH ST.	3	+	38 LT	SA	1				
CHURCH ST.	3	+	68 LT	SA	1				
LEXINGTON ST.	0	+	79 RT	SA	1				
			TOTAL		4				EA
LEXINGTON ST.	0	+	57 MED	SJ	1				
LEXINGTON ST.	0	+	75 MED	SJ	1				
TRAPELO RD.	133	+	17 RT	SJ	1				
TRAPELO RD.	34	+	26 MED	SJ	1				
TRAPELO RD.	134	+	27 RT	SJ	1				
TRAPELO RD.	134	+	57 RT	SJ	1				
TRAPELO RD.	134	+	87 RT	SJ	1				
TRAPELO RD.	133	+	97 RT	SJ	1				
			TOTAL		1				EA
TRAPELO RD.	140	+	32 RT	SR	1				
TRAPELO RD.	125	+	41 LT	SR	1				
TRAPELO RD.	140	+	49 RT	SR	1				
TRAPELO RD.	139	+	51 LT	SR	1				
TRAPELO RD.	124	+	98 LT	SR	1				
			TOTAL		5				EA
TRAPELO RD.	88	+	17 4,LT	TB	4				
TRAPELO RD.	86	+	60 9, LT	TB	9				
TRAPELO RD.	87	+	60 3, LT	TB	3				
			TOTAL		16				EA
TRAPELO RD.	97	+	1	TC	1				
TRAPELO RD.	91	+	3 RT	TC	1				
TRAPELO RD.	97	+	8	TC	1				
TRAPELO RD.	93	+	18 LT	TC	1				
TRAPELO RD.	84	+	22 RT	TC	1				
TRAPELO RD.	95	+	22 MED	TC	1				
TRAPELO RD.	97	+	25	TC	1				
TRAPELO RD.	92	+	26 LT	TC	1				
TRAPELO RD.	97	+	26 RT	TC	1				
TRAPELO RD.	91	+	28 RT	TC	1				
TRAPELO RD.	92	+	29 RT	TC	1				
TRAPELO RD.	99	+	34	TC	1				
TRAPELO RD.	94	+	39 RT	TC	1				
TRAPELO RD.	98	+	39	TC	1				
TRAPELO RD.	93	+	43 LT	TC	1				
TRAPELO RD.	92	+	54 LT	TC	1				
TRAPELO RD.	92	+	54 RT	TC	1				
TRAPELO RD.	84	+	60 RT	TC	1				
TRAPELO RD.	94	+	60 LT	TC	1				
TRAPELO RD.	90	+	76 RT	TC	1				
TRAPELO RD.	91	+	78 LT	TC	1				
TRAPELO RD.	93	+	84 RT	TC	1				
TRAPELO RD.	94	+	85 RT	TC	1				
TRAPELO RD.	84	+	89 RT	TC	1				
TRAPELO RD.	94	+	90 MED	TC	1				
TRAPELO RD.	84	+	94 RT	TC	1				
			TOTAL		26				EA
TRAPELO RD.	122	+	21 8, RT	TH	8				
			TOTAL		8				EA
PLEASEANT ST.	0	+	23 LT	UA	1				
PLEASEANT ST.	0	+	49 LT	UA	1				
PLEASEANT ST.	0	+	75 LT	UA	1				
TRAPELO RD.	51	+	0 RT	UA	1				
TRAPELO RD.	19	+	1	UA	1				
TRAPELO RD.	59	+	1 RT	UA	1				
TRAPELO RD.	53	+	2 RT	UA	1				
TRAPELO RD.	105	+	2 LT	UA	1				
TRAPELO RD.	26	+	3 RT	UA	1				
TRAPELO RD.	107	+	3 LT	UA	1				
TRAPELO RD.	52	+	4 RT	UA	1				
TRAPELO RD.	103	+	4 LT	UA	1				
TRAPELO RD.	103	+	4 RT	UA	1				
TRAPELO RD.	51	+	6 LT	UA	1				
TRAPELO RD.	43	+	9 LT	UA	1				
TRAPELO RD.	44	+	9 LT	UA	1				
TRAPELO RD.	50	+	10 RT	UA	1				
TRAPELO RD.	105	+	10 LT	UA	1				
TRAPELO RD.	42	+	11 LT	UA	1				
TRAPELO RD.	58	+	11 LT	UA	1				
TRAPELO RD.	48	+	13 RT	UA	1				
TRAPELO RD.	47	+	14 LT	UA	1				
TRAPELO RD.	49	+	16 RT	UA	1				
TRAPELO RD.	101	+	16 RT	UA	1				

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>	<u>TYPE</u>	<u>QTY</u>	<u>TYPE</u>	<u>ITEM #</u>	<u>NAME</u>	<u>UNITS</u>
TRAPELO RD.	108	+	16	LT	UA			1
TRAPELO RD.	112	+	16	MED	UA			1
TRAPELO RD.	18	+	17	MED	UA			1
TRAPELO RD.	20	+	17	RT	UA			1
TRAPELO RD.	50	+	17	LT	UA			1
TRAPELO RD.	108	+	17	MED	UA			1
TRAPELO RD.	110	+	17	MED	UA			1
TRAPELO RD.	111	+	17	MED	UA			1
TRAPELO RD.	59	+	18	LT	UA			1
TRAPELO RD.	109	+	18	MED	UA			1
TRAPELO RD.	112	+	18	LT	UA			1
TRAPELO RD.	23	+	19	LT	UA			1
TRAPELO RD.	102	+	20	RT	UA			1
TRAPELO RD.	27	+	22	RT	UA			1
TRAPELO RD.	44	+	24	RT	UA			1
TRAPELO RD.	48	+	24	LT	UA			1
TRAPELO RD.	106	+	24	MED	UA			1
TRAPELO RD.	24	+	25	RT	UA			1
TRAPELO RD.	43	+	28	LT	UA			1
TRAPELO RD.	57	+	30	RT	UA			1
TRAPELO RD.	114	+	31	LT	UA			1
TRAPELO RD.	106	+	33	LT	UA			1
TRAPELO RD.	53	+	35	RT	UA			1
TRAPELO RD.	26	+	36	RT	UA			1
TRAPELO RD.	28	+	36	RT	UA			1
TRAPELO RD.	51	+	37	RT	UA			1
TRAPELO RD.	112	+	40	MED	UA			1
TRAPELO RD.	48	+	42	RT	UA			1
TRAPELO RD.	108	+	42	MED	UA			1
TRAPELO RD.	109	+	42	MED	UA			1
TRAPELO RD.	110	+	42	MED	UA			1
TRAPELO RD.	111	+	42	MED	UA			1
TRAPELO RD.	45	+	43	RT	UA			1
TRAPELO RD.	101	+	43	LT	UA			1
TRAPELO RD.	107	+	43	MED	UA			1
TRAPELO RD.	20	+	44	RT	UA			1
TRAPELO RD.	102	+	47	RT	UA			1
TRAPELO RD.	101	+	48	RT	UA			1
TRAPELO RD.	49	+	49	RT	UA			1
TRAPELO RD.	52	+	49	LT	UA			1
TRAPELO RD.	107	+	49	LT	UA			1
TRAPELO RD.	49	+	50	LT	UA			1
TRAPELO RD.	46	+	51	RT	UA			1
TRAPELO RD.	58	+	51	LT	UA			1
TRAPELO RD.	24	+	53	RT	UA			1
TRAPELO RD.	59	+	53	LT	UA			1
TRAPELO RD.	110	+	54	LT	UA			1
TRAPELO RD.	105	+	55	MED	UA			1
TRAPELO RD.	18	+	56	RT	UA			1
TRAPELO RD.	44	+	57	RT	UA			1
TRAPELO RD.	41	+	58	LT	UA			1
TRAPELO RD.	108	+	59	LT	UA			1
TRAPELO RD.	109	+	59	LT	UA			1
TRAPELO RD.	103	+	60	LT	UA			1
TRAPELO RD.	42	+	63	LT	UA			1
TRAPELO RD.	52	+	63	RT	UA			1
TRAPELO RD.	50	+	64	LT	UA			1
TRAPELO RD.	105	+	64	MED	UA			1
TRAPELO RD.	112	+	64	MED	UA			1
TRAPELO RD.	111	+	66	MED	UA			1
TRAPELO RD.	108	+	67	MED	UA			1
TRAPELO RD.	109	+	67	MED	UA			1
TRAPELO RD.	110	+	67	MED	UA			1
TRAPELO RD.	113	+	68	LT	UA			1
TRAPELO RD.	45	+	69	RT	UA			1
TRAPELO RD.	25	+	70	RT	UA			1
TRAPELO RD.	43	+	70	LT	UA			1
TRAPELO RD.	20	+	71	RT	UA			1
TRAPELO RD.	100	+	73	RT	UA			1
TRAPELO RD.	110	+	74	LT	UA			1
TRAPELO RD.	26	+	75	RT	UA			1
TRAPELO RD.	111	+	78	LT	UA			1
TRAPELO RD.	24	+	79	RT	UA			1
TRAPELO RD.	49	+	79	RT	UA			1
TRAPELO RD.	58	+	79	LT	UA			1
TRAPELO RD.	49	+	81	LT	UA			1
TRAPELO RD.	109	+	83	LT	UA			1
TRAPELO RD.	28	+	84	RT	UA			1
TRAPELO RD.	48	+	85	RT	UA			1
TRAPELO RD.	57	+	85	LT	UA			1
TRAPELO RD.	106	+	85	MED	UA			1
TRAPELO RD.	44	+	87	RT	UA			1
TRAPELO RD.	44	+	89	LT	UA			1
TRAPELO RD.	19	+	90	RT	UA			1
TRAPELO RD.	103	+	90	LT	UA			1
TRAPELO RD.	46	+	92	RT	UA			1
TRAPELO RD.	107	+	92	MED	UA			1
TRAPELO RD.	108	+	92	MED	UA			1
TRAPELO RD.	110	+	92	MED	UA			1
TRAPELO RD.	47	+	93	LT	UA			1
TRAPELO RD.	101	+	93	RT	UA			1
TRAPELO RD.	109	+	93	MED	UA			1
TRAPELO RD.	111	+	93	MED	UA			1
TRAPELO RD.	100	+	94	RT	UA			1
TRAPELO RD.	101	+	94	LT	UA			1
TRAPELO RD.	105	+	95	MED	UA			1
TRAPELO RD.	56	+	96	RT	UA			1
TRAPELO RD.	51	+	98	LT	UA			1
			TOTAL	122	EA			