

**MASSACHUSETTS DEPARTMENT OF
TRANSPORTATION
TEN PARK PLAZA - BOSTON, MA**

—PRELIMINARY ESTIMATE OF QUANTITIES — DETAIL SHEET—

CITY/TOWN: Belmont / Watertown
 STA. 17+40.00 to 147+30.18

YEAR: 2012
 ROAD: Trapelo Road/ Belmont Street

CLASS: _____
 Type of Project: Corridor Improvements

DATE: Mar, 2012

Earth Excavation _____	11,000	CY	Gravel Sub-base _____	1745	CY
Loam Excav. & Stacked _____		CY	Gravel for Bridges _____		CY
Class "A" Rock Excav. _____	820	CY	Gravel for Sidewalks _____	5635	CY
Class "B" Rock Excav. _____	880	CY	Gravel for Driveway _____	1200	CY
Channel Excav. _____		CY	Gravel Misc. _____	2145	CY
Ordinary Borrow _____		CY	Embankment + 15% _____		CY
Special Borrow _____	75	CY			

Surface Area

Widening <4 Feet = 40 SY
 Pavement Overlay = 98,210 SY
 Full Depth Pavement = 7,815 SY
 Driveways = 3,660 SY
 Sidewalks = 21,390 SY

MAIN LINE:

Proposed Micro-Milling and Pavement Overlay

3½" Hot Mix Asphalt placed in two layers,
 1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
 Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
 2" Superpave Intermediate Course 12.5(SIC-12.5), over
 Bitumen Tack Coat (RS-1) at 0.07GAL/SY over Existing Milled Pavement, over
 Micro-Milling to a depth of 2¼" (an additional 0" to 1" Variable Depth Micro-Milling
 Along the curb where noted).

Proposed Variable Depth Micro-Milling & Pavement Overlay

3½" to 6" Hot Mix Asphalt placed in two or three layers,
 1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
 Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
 2" to 3" Superpave Intermediate Course 12.5(SIC-12.5), over
 Bitumen Tack Coat (RS-1) at 0.05GAL/SY, over
 1½" Superpave Leveling Course 9.5(SIC-9.5) if required, over
 Bitumen for Tack Coat (RS-1) at 0.07GAL/SY over Existing Milled Pavement, over
 Micro-Milling to a depth of ½" to 2¼" to establish cross slope as indicated on the plans

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Proposed Full Depth Pavement

3½" Hot Mix Asphalt placed in two layers,
1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
2" Superpave Intermediate Course 12.5(SIC-12.5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
4½" Superpave Base Course 37.5 (SBC-37.5), over
Existing material meeting specifications or be replaced with 4" Dense Graded Crushed
Stone for Subbase over 8" Gravel

Proposed Full Depth Pavement < 4'

3½" Hot Mix Asphalt placed in two layers,
1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
2" Superpave Intermediate Course 12.5(SIC-12.5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
6" High Early Strength Cement Concrete base, over
Existing material meeting specifications or be replaced with 8" Gravel

Proposed Bridge Approach Transition – Trapelo Road

3½" Hot Mix Asphalt placed in two layers,
1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
2" Superpave Intermediate Course 12.5(SIC-12.5), over
Bitumen for Tack Coat (RS-1) at 0.07GAL/SY over existing milled pavement, over
2¼ to 3½" Variable Depth Micro-Milling

Proposed Colored Scored Cement Concrete Pavement (SD E 105.2.0)

8" Cement Concrete Air Entrained 5000 psi, ¾", 705 LB/CY, over
12" Gravel

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SIDE STREETS:

Proposed Micro-Milling and Pavement Overlay

1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.07GAL/SY over existing milled pavement, over
Micro-Milling to a depth of ½", 1", or 1½" as noted on the plans

Proposed Variable Depth Micro-Milling & Pavement Overlay

1½" to 4¾" Hot Mix Asphalt placed in two layers,
1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
2" to 3" Superpave Intermediate Course 12.5(SIC-12.5), over
Bitumen Tack Coat (RS-1) at 0.07GAL/SY over existing milled pavement, over
1¼" Superpave Leveling Course 9.5(SIC-9.5) if required, over
Micro-Milling to a depth of ½" to 2¼" to establish cross slope as indicated on the plans

Proposed Full Depth Pavement

3½" Hot Mix Asphalt placed in two layers,
1 ½" Superpave Surface Course 12.5 (SSC-12/5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
2" Superpave Intermediate Course 12.5(SIC-12.5), over
Bitumen for Tack Coat (RS-1) at 0.05GAL/SY, over
4½" Superpave Base Course 37.5 (SBC-37.5), over
4" Dense Graded Crushed Stone for Subbase over 8" Gravel

Proposed Cement Concrete Sidewalk / Wheelchair Ramp

4" Cement Concrete Air Intrained 4000 psi, ¾", 610, over
8" Gravel

Proposed Scored Cement Concrete Sidewalk

4" Cement Concrete Air Intrained 4000 psi, ¾", 610, over
8" Gravel

Proposed Scored Cement Concrete Sidewalk at Driveway

4" Cement Concrete Air Intrained 4000 psi, ¾", 610, over
8" Gravel

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Proposed Hot Mix Asphalt Driveway

3½" Hot Mix Asphalt Driveway Material placed in two layers,
1½" Superpave Surface Course 12.5 (SSC-12.5), over
2" Superpave Intermediate Course 12.5(SIC-12.5),
8" Gravel

Proposed Hot Mix Asphalt Sidewalk

2½" Superpave Surface Course 12.5 (SSC-12.5), over
8" Gravel

Plan No's 1 to 78
Profile No's N/A
Calc. Book No. 10419

Estimate by JL 4/24/11, JML 6/10/11
Checked by PJB 6/10/11
Submitted by: BSC GROUP 8/25/11

Item 102.1 TREE TRIMMING

For use to trim any tree limbs that interfere with the proposed work.

<u>STREET</u>	<u>START</u>	<u>END</u>	<u>SIDE</u>
BELMONT ST	112+84.0 9	114+43.9 1	Lt.

Item 102.3 SHRUB TRIMMING

<u>STREET</u>	<u>BEGIN STA.</u>	<u>END STA.</u>	<u>SIDE</u>
TRAPELO ROAD	91+06	91+37	Rt

Item 102.4 HAND EXCAVATION ROOT ZONE

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
MILL STREET	00+52.00	Lt
MILL STREET	00+59.00	Rt
MILL STREET	00+72.00	Rt
MILL STREET	00+87.00	Lt
MILL STREET	01+40.00	Lt
MILL STREET	01+59.00	Lt
MILL STREET	01+95.00	Lt
TRAPELO ROAD	19+75.00	Lt
TRAPELO ROAD	19+91.00	Lt
TRAPELO ROAD	72+26.00	Rt
TRAPELO ROAD	72+56.00	Rt
TRAPELO ROAD	74+03.00	Rt
TRAPELO ROAD	74+68.00	Lt
TRAPELO ROAD	75+64.00	Lt
TRAPELO ROAD	76+13.00	Lt
TRAPELO ROAD	76+39.00	Rt
TRAPELO ROAD	76+81.00	Lt
TRAPELO ROAD	77+25.00	Rt
TRAPELO ROAD	79+16.00	Lt
TRAPELO ROAD	80+43.00	Lt
TRAPELO ROAD	80+84.00	Rt
TRAPELO ROAD	81+03.00	Rt
TRAPELO ROAD	81+16.00	Lt
TRAPELO ROAD	81+41.00	Rt
TRAPELO ROAD	82+67.00	Lt
TRAPELO ROAD	83+41.00	Lt
TRAPELO ROAD	85+60.00	Rt
COMMON STREET N.	01+43.00	Rt
COMMON STREET S.	01+53.00	Rt
TRAPELO ROAD	89+65.00	Rt

—PRELIMINARY ESTIMATE OF QUANTITIES— DETAIL SHEET—

CITY/TOWN **BELMONT**

CORRIDOR IMPROVEMENTS

YEAR **2012**

DATE- **FEBRUARY, 2012**

TRAPELO ROAD	89+83.00	Rt
TRAPELO ROAD	90+24.00	Lt
TRAPELO ROAD	90+24.00	Rt
TRAPELO ROAD	90+70.00	Lt
TRAPELO ROAD	91+01.00	Lt
TRAPELO ROAD	94+92.00	Lt
TRAPELO ROAD	95+28.00	Rt
TRAPELO ROAD	95+83.00	Rt
TRAPELO ROAD	96+04.00	Lt
TRAPELO ROAD	96+36.00	Rt
TRAPELO ROAD	114+03.00	Lt
TRAPELO ROAD	114+90.00	Rt
VAN NESS ROAD	-	Rt
TRAPELO ROAD	116+05.00	Rt
TRAPELO ROAD	116+91.00	Rt
WINDSOR AVE	-	Rt
TRAPELO ROAD	130+00.00	Rt
TRAPELO ROAD	132+65.00	Lt
TRAPELO ROAD	142+97.00	Lt
TRAPELO ROAD	143+48.00	Rt

Item 102.5 ROADSIDE TREE PROTECTION

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>SIZE</u>
MILL STREET	00+52.00	Lt	18.0
MILL STREET	00+60.00	Rt	12.0
MILL STREET	00+72.00	Rt	12.0
MILL STREET	00+99.00	Lt	36.0
TRAPELO ROAD	19+75.00	Lt	12.0
TRAPELO ROAD	19+91.00	Lt	12.0
TRAPELO ROAD	20+18.00	Lt	12.0
TRAPELO ROAD	20+35.00	Lt	10.0
TRAPELO ROAD	20+91.00	Lt	24.0
TRAPELO ROAD	21+67.00	Lt	20.0
TRAPELO ROAD	21+81.00	Lt	20.0
TRAPELO ROAD	33+55.00	Lt	14.0
TRAPELO ROAD	33+77.00	Lt	10.0
TRAPELO ROAD	34+03.00	Lt	12.0
TRAPELO ROAD	35+08.00	Lt	10.0
TRAPELO ROAD	35+35.00	Lt	10.0
TRAPELO ROAD	36+87.00	Rt	4.0
TRAPELO ROAD	37+62.00	Rt	8.0
TRAPELO ROAD	37+73.00	Rt	10.0
LEXINGTON STREET	02+72.00	Lt	8.0
LEXINGTON STREET	02+91.00	Lt	6.0
LEXINGTON STREET	03+05.00	Lt	4.0
CHURCH STREET	00+58.00	Lt	8.0
CHURCH STREET	01+25.00	Lt	8.0

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CITY/TOWN **BELMONT**

CORRIDOR IMPROVEMENTS

YEAR **2012**DATE- **FEBRUARY, 2012**

CHURCH STREET	01+88.00	Lt	8.0
SYCAMORE STREET	-	Rt	8.0
TRAPELO ROAD	48+95.00	Lt	20.0
TRAPELO ROAD	66+77.00	Rt	3.0
TRAPELO ROAD	67+12.00	Rt	3.0
TRAPELO ROAD	67+47.00	Rt	3.0
TRAPELO ROAD	67+82.00	Rt	3.0
TRAPELO ROAD	69+83.00	Lt	20.0
TRAPELO ROAD	69+86.00	Lt	16.0
TRAPELO ROAD	72+25.00	Rt	20.0
TRAPELO ROAD	72+57.00	Rt	12.0
TRAPELO ROAD	73+09.00	Lt	10.0
TRAPELO ROAD	74+00.00	Rt	12.0
TRAPELO ROAD	74+67.00	Lt	12.0
TRAPELO ROAD	75+64.00	Lt	10.0
TRAPELO ROAD	76+13.00	Lt	16.0
TRAPELO ROAD	76+39.00	Rt	10.0
TRAPELO ROAD	76+81.00	Lt	16.0
TRAPELO ROAD	77+25.00	Rt	14.0
TRAPELO ROAD	77+80.00	Lt	24.0
TRAPELO ROAD	78+06.00	Lt	18.0
TRAPELO ROAD	78+47.00	Rt	6.0
TRAPELO ROAD	79+15.00	Lt	12.0
TRAPELO ROAD	80+42.00	Lt	13.0
TRAPELO ROAD	80+83.00	Rt	12.0
TRAPELO ROAD	81+03.00	Rt	6.0
TRAPELO ROAD	81+16.00	Lt	10.0
TRAPELO ROAD	81+40.00	Rt	8.0
TRAPELO ROAD	83+41.00	Lt	12.0
TRAPELO ROAD	85+59.00	Rt	8.0
COMMON STREET N.	04+93.00	Rt	18.0
COMMON STREET N.	05+08.00	Rt	12.0
COMMON STREET N.	01+44.00	Lt	4.0
COMMON STREET S.	01+53.00	Rt	8.0
TRAPELO ROAD	87+34.00	Rt	3.0
TRAPELO ROAD	87+54.00	Lt	12.0
TRAPELO ROAD	87+68.00	Lt	10.0
TRAPELO ROAD	89+64.00	Rt	6.0
TRAPELO ROAD	89+83.00	Rt	8.0
TRAPELO ROAD	90+24.00	Lt	20.0
TRAPELO ROAD	90+24.00	Rt	8.0
TRAPELO ROAD	90+69.00	Lt	16.0
TRAPELO ROAD	91+01.00	Lt	12.0
TRAPELO ROAD	94+90.00	Lt	26.0
TRAPELO ROAD	95+27.00	Rt	24.0
TRAPELO ROAD	95+57.00	Lt	3.0
TRAPELO ROAD	95+84.00	Rt	20.0
TRAPELO ROAD	96+05.00	Lt	14.0

—PRELIMINARY ESTIMATE OF QUANTITIES — DETAIL SHEET—

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CITY/TOWN **BELMONT**

CORRIDOR IMPROVEMENTS

YEAR 2012DATE- FEBRUARY, 2012

TRAPELO ROAD	96+34.00	Rt	16.0
OAK AVENUE	-	Lt	2.0
TRAPELO ROAD	97+61.00	Lt	14.0
TRAPELO ROAD	99+52.00	Rt	4.0
TRAPELO ROAD	99+76.00	Rt	4.0
BELMONT STREET	102+53.0 0	Lt	16.0
PAYSON ROAD	-	Rt	12.0
BELMONT STREET	114+03.0 0	Lt	16.0
BELMONT STREET	114+89.0 0	Rt	30.0
VAN NESS ROAD	-	Rt	14.0
VAN NESS ROAD	-	Lt	12.0
COMMONWEALTH ROAD	-	Lt	12.0
BELMONT STREET	116+03.0 0	Rt	14.0
BELMONT STREET	116+61.0 0	Lt.	16.0
BELMONT STREET	116+91.0 0	Rt	20.0
BELMONT STREET	117+82.0 0	Lt.	4.0
BELMONT STREET	118+78.0 0	Lt.	10.0
STULTS ROAD	-	Lt	18.0
STULTS ROAD	-	Rt	20.0
BELMONT STREET	119+32.0 0	Rt	18.0
BELMONT STREET	119+50.0 0	Rt	2.0
SCHOOL STREET	00+80.00	Rt	18.0
SCHOOL STREET	01+36.00	Rt	18.0
SCHOOL STREET	01+54.00	Rt	12.0
SCHOOL STREET	01+71.00	Rt	16.0
WINDSOR AVE	-	Rt	22.0
WESTLUND ROAD	-	Lt	20.0
BELMONT STREET	132+37.0 0	Lt	12.0
BELMONT STREET	132+64.0 0	Lt	20.0
BELMONT STREET	133+35.0 0	Rt	32.0
BELMONT STREET	137+15.0 0	Lt	24.0
BELMONT STREET	143+48.0 0	Rt	30.0
BELMONT STREET	147+04.0 0	Lt	3

BELMONT STREET	147+39.0 0	Rt	24
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Item 103. TREE REMOVED – DIAMETER UNDER 24 INCHES

STREET	STA.	SIDE	TYPE	SIZE	QUANT.
MILL ST	01+27.06	Rt.	VARIES	12	1
MILL ST	01+16.52	Rt.		15	1
MILL ST	01+08.50	Rt.		15	1
MILL ST	00+98.67	Rt.		10	1
MILL ST	00+93.60	Rt.		6	1
MILL ST	00+78.46	Rt.		8	1
MILL ST	00+69.74	Rt.		8	1
TRAPELO RD	18+10.24	Lt.		8	1
TRAPELO RD	19+31.26	Lt.		14	1
TRAPELO RD	19+40.26	Lt.		12	1
TRAPELO RD	19+48.04	Lt.		8	1
TRAPELO RD	19+77.61	Lt.		12	1
TRAPELO RD	21+29.98	Lt.		16	1
TRAPELO RD	21+46.30	Lt.		6	1
TRAPELO RD	21+53.82	Lt.		6	1
TRAPELO RD	21+57.86	Lt.		6	1
TRAPELO RD	21+77.55	Lt.		18	1
TRAPELO RD	21+95.16	Lt.		14	1
TRAPELO RD	21+96.70	Lt.		6	1
TRAPELO RD	21+97.25	Lt.		6	1
TRAPELO RD	22+01.85	Lt.		6	1
TRAPELO RD	22+03.43	Lt.		6	1
TRAPELO RD	22+07.35	Lt.		12	1
TRAPELO RD	22+18.16	Lt.		10	1
TRAPELO RD	22+20.55	Lt.		10	1
TRAPELO RD	22+25.55	Lt.		10	1
TRAPELO RD	22+36.49	Lt.		12	1
TRAPELO RD	22+49.69	Lt.		8	1
TRAPELO RD	22+48.97	Lt.		CLUMP	MULTIPLE
TRAPELO RD	22+57.42	Lt.		22	1
TRAPELO RD	22+91.45	Lt.		16	1
TRAPELO RD	23+19.23	Lt.		6	1
TRAPELO RD	23+28.90	Lt.		14	1
TRAPELO RD	23+31.35	Lt.		12	1
TRAPELO RD	23+53.98	Lt.		14	1
LEXINGTON ST	00+63.11	Rt.		18	1
TRAPELO RD	35+26.73	Lt.		UNKNOW N	1
TRAPELO RD	42+84.73	Lt.		2	1
TRAPELO RD	52+22.33	Rt.		6	1
TRAPELO RD	52+64.24	Rt.		6	1

TRAPELO RD	61+81.96	Rt.		6	1
TRAPELO RD	62+14.59	Rt.		14	1
TRAPELO RD	62+52.41	Rt.		10	1
TRAPELO RD	62+61.32	Rt.		Dead	1
TRAPELO RD	70+14.75	Rt.		10	1
HARRIETT AVE	00+74.64	MIDDLE		3	1
TRAPELO RD	84+24.37	Lt.		6	1
TRAPELO RD	84+59.87	Rt.		8	1
TRAPELO RD	85+24.61	Rt.		8	1
COMMON ST-S	00+83.66	Rt.		8	1
COMMON ST-S	01+13.10	Rt.		4	1
TRAPELO RD	89+34.84	Rt.		14	1
TRAPELO RD	91+31.31	Rt.		14	1
TRAPELO RD	97+24.21	Lt.		2	1
TRAPELO RD	97+29.03	Rt.		20	1
TRAPELO RD	99+99.74	Rt.		6	1
BELMONT ST	101+03.2 3	Rt.		8	1
BELMONT ST	101+27.0 8	Rt.		6	1
BELMONT ST	101+51.5 9	Rt.		8	1
BELMONT ST	101+90.9 9	Rt.		6	1
BELMONT ST	101+93.6 7	Lt.		12	1
BELMONT ST	102+18.4 0	Rt.		4	1
BELMONT ST	102+46.5 9	Rt.		4	1
BELMONT ST	102+99.0 9	Rt.		4	1
BELMONT ST	104+15.9 8	Lt.		10	1
BELMONT ST	115+84.1 7	Lt.		16	1
BELMONT ST	118+24.1 7	Lt.		19	1
BELMONT ST	119+98.3 4	Lt.		4	1
SCHOOL ST	00+97.26	Rt.		16	1
BELMONT ST	145+15.4 0	Lt.		18	1
BELMONT ST	149+93.7 3	Rt.		14	1

Item 104. TREE REMOVED—DIAMETER OVER 24 INCHES

STREET	STA.	SIDE	TYPE	SIZE	QUANT.
TRAPELO RD	27+90.61	Rt.	VARIES	42	1

TRAPELO RD	62+20.15	Rt.		30	1
TRAPELO RD	9490.62	Rt.		24	1

Item 105. STUMP REMOVED

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
MILL ST	01+95.15	Rt.
MILL ST	01+37.05	Rt.
MILL ST	01+27.06	Rt.
MILL ST	01+20.50	Rt.
MILL ST	01+02.65	Rt.
TRAPELO RD	20+25.00	Lt.
BELMONT RD	119+84.7 0	Rt.

Item 120. EARTH EXCAVATION

Including all excavated materials not quantified under other item.

Item 121. CLASS A ROCK EXCAVATION

0.5% Boulders from item 120.

Item 127. CONCRETE EXCAVATION

Including all removal of public sidewalk, islands, cement concrete driveways, private concrete walks and driveways.

Item 129.3 OLD PAVEMENT EXCAVATION

Including all pavement excavation for roadway narrowing, widening, islands, full depth replacement, poor pavement after micro-milling, and HMA public sidewalks.

Item 129.52 TRACK EXCAVATION-TWO RAILS

STATION		
<u>STREET</u>	<u>START</u>	<u>END</u>
CHURCH STREET	00+42.69	3+40.00

Item 129.54 TRACK EXCAVATION-FOUR RAILS

STATION		
<u>STREET</u>	<u>START</u>	<u>END</u>
TRAPELO RD	89+92.42	90+87.04
TRAPELO RD	93+35.98	96+42.85
BELMONT ST	104+12.5 2	104+55.0 1
BELMONT ST	105+44.5 7	112+79.9 0
BELMONT ST	113+58.1 2	114+90.3 8

Item 141. CLASS A TRENCH EXCAVATION

For all walls, swales, waterways, culverts, wingwalls, etc.

STATION

STREET	START	END
MILL STREET	0+50	2+50
TRAPELO RD	20+50	23+75

Item 141.1 TEST PIT FOR EXPLORATION

STREET	STA.	SIDE	QUANT.
TRAPELO RD	17+40.00	22+00.00	3
TRAPELO RD	22+00.00	27+50.00	0
TRAPELO RD	27+50.00	33+50.00	6
TRAPELO RD	33+50.00	39+00.00	2
TRAPELO RD	39+00.00	44+00.00	2
TRAPELO RD	44+00.00	50+00.00	6
TRAPELO RD	50+00.00	56+00.00	6
TRAPELO RD	56+00.00	61+00.0	5
TRAPELO RD	61+00.00	67+00.00	2
TRAPELO RD	67+00.00	73+00.00	4
TRAPELO RD	73+00.00	79+00.00	2
TRAPELO RD	79+00.00	85+00.00	3
TRAPELO RD	85+00.00	91+00.00	10
TRAPELO RD	91+00.00	96+00.00	2
TRAPELO RD	96+00.00	102+00.0 0	2
BELMONT ST	102+00.0 0	108+00.0 0	0
BELMONT ST	108+00.0 0	113+00.0 0	3
BELMONT ST	113+00.0 0	118+00.0 0	1
BELMONT ST	118+00.0 0	123+00.0 0	4
BELMONT ST	123+00.0 0	129+00.0 0	6
BELMONT ST	129+00.0 0	134+00.0 0	1
BELMONT ST	134+00.0 0	140+00.0 0	3
BELMONT ST	140+00.0 0	145+00.0 0	3
BELMONT ST	145+00.0 0	147+14.5 5	1
CONTINGENCY			73

Item 142. CLASS B TRENCH EXCAVATION

<u>STREET</u>	<u>FROM</u>	<u>STREET</u>	<u>TO</u>
MILL ST	01+14	MILL ST.	00+77
MILL ST	01+14	MILL ST.	01+10
TRAPELO RD	30+38	TRAPELO RD.	31+47
TRAPELO RD	31+47	TRAPELO RD.	32+34
TRAPELO RD	32+34	TRAPELO RD.	33+13
TRAPELO RD	33+13	TRAPELO RD.	33+49
TRAPELO RD.	33+49	LEXINGTON ST.	01+83
LEXINGTON ST	01+54	LEXINGTON ST.	01+84
CHURCH ST.	00+99	TRAPELO RD.	38+09
TRAPELO RD	38+09	TRAPELO RD.	39+46
TRAPELO RD	39+46	TRAPELO RD.	40+84
TRAPELO RD.	40+84	TRAPELO RD.	41+15
TRAPELO RD.	40+84	TRAPELO RD.	40+80
TRAPELO RD.	41+07	TRAPELO RD.	41+21
TRAPELO RD.	45+81	TRAPELO RD.	46+34
TRAPELO RD.	46+34	TRAPELO RD.	46+59
TRAPELO RD	48+47	TRAPELO RD.	48+47
TRAPELO RD	48+47	TRAPELO RD.	50+56
TRAPELO RD	50+67	TRAPELO RD.	50+56
TRAPELO RD	55+52	TRAPELO RD.	56+06
TRAPELO RD	55+52	TRAPELO RD.	55+96
TRAPELO RD	55+96	TRAPELO RD.	58+23
TRAPELO RD	58+23	TRAPELO RD.	58+60
TRAPELO RD	58+60	TRAPELO RD.	59+78
TRAPELO RD.	59+78	TRAPELO RD.	60+89
TRAPELO RD.	60+89	TRAPELO RD.	63+69
TRAPELO RD	63+69	TRAPELO RD.	63+80
TRAPELO RD	68+24	TRAPELO RD.	70+46
TRAPELO RD	70+46	TRAPELO RD.	71+35
TRAPELO RD.	71+35	TRAPELO RD.	71+65
HARRIET ST.	00+90	TRAPELO RD.	71+35
TRAPELO RD	71+47	TRAPELO RD.	70+90
TRAPELO RD	71+65	TRAPELO RD.	73+32
TRAPELO RD	73+32	TRAPELO RD.	73+88
TRAPELO RD	73+84	TRAPELO RD.	75+53
TRAPELO RD	75+53	TRAPELO RD.	76+07
TRAPELO RD	76+07	TRAPELO RD.	77+70
TRAPELO RD.	78+29	TRAPELO RD.	81+55
TRAPELO RD	81+55	TRAPELO RD.	84+28
TRAPELO RD	84+28	TRAPELO RD.	87+56
TRAPELO RD	84+28	TRAPELO RD.	84+29
TRAPELO RD	84+29	TRAPELO RD.	85+03
TRAPELO RD	85+03	TRAPELO RD.	86+47
TRAPELO RD	86+47	TRAPELO RD.	87+34
TRAPELO RD	87+34	TRAPELO RD.	87+48
TRAPELO RD	87+34	TRAPELO RD.	87+80

TRAPELO RD	87+56	TRAPELO RD.	88+25
TRAPELO RD	87+80	TRAPELO RD.	90+41
TRAPELO RD	90+41	TRAPELO RD.	93+17
BELMONT ST	107+44	BELMONT ST	110+27
BELMONT ST	110+27	BELMONT ST	112+65
BELMONT ST	112+65	BELMONT ST	113+25
BELMONT ST	115+40	BELMONT ST	115+42
BELMONT ST	117+28	BELMONT ST	117+45
BELMONT ST	117+45	BELMONT ST	119+34
BELMONT ST	119+31	BELMONT ST	119+34
BELMONT ST	119+02	BELMONT ST	119+07
BELMONT ST	120+70	SCHOOL ST S	00+55
BELMONT ST	119+34	BELMONT ST	120+95
BELMONT ST	123+61	BELMONT ST	123+62
BELMONT ST	123+62	BELMONT ST	125+66
BELMONT ST	125+66	WORCESTER ST	00+35
BELMONT ST	125+66	BELMONT ST	127+59
BELMONT ST	127+59	BELMONT ST	127+54
BELMONT ST	127+59	BELMONT ST	128+70
BELMONT ST	128+70	BELMONT ST	130+95
BELMONT ST	130+95	PARK ROAD	
BELMONT ST	130+95	BELMONT ST	132+18
BELMONT ST	132+18	BELMONT ST	134+84
BELMONT ST	134+84	BELMONT ST	138+32
BELMONT ST	138+32	BELMONT ST	140+74
BELMONT ST	140+74	BELMONT ST	142+76
BELMONT ST	142+76	BELMONT ST	143+31
BELMONT ST	143+31	BELMONT ST	144+51
BELMONT ST	144+51	BELMONT ST	145+72
BELMONT ST	140+74	OXFORD RD.	02+56
OXFORD RD.	02+56	OXFORD RD.	05+03

Item 144. CLASS B ROCK EXCAVATION

For drainage, water pipes, structures, walls, electrical conduit and/or as directed by Engineer.

Item 145. DRAINAGE STRUCTURE ABANDONED

As shown on the plans and as directed by the engineer.

STREET	STA.	SIDE	CB	DMH
MILL ST	1+10	Rt.	1	0
TRAPELO RD	18+11	Lt.	1	0
TRAPELO RD	18+52	Lt.	1	0
TRAPELO RD	21+86	Rt.	1	0
TRAPELO RD	27+56	Lt.	1	0
TRAPELO RD	30+18	Lt.	1	0

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TRAPELO RD	31+53	Lt.	1	0
TRAPELO RD	32+48	Rt.	1	0
TRAPELO RD	31+54	Lt.	0	1
TRAPELO RD	34+69	Rt.	1	0
LEXINGTON ST	4+07	Rt.	1	0
LEXINGTON ST	4+11	Lt.	1	0
CHURCH ST	3+34	Rt.	1	0
CHURCH ST	0+99	Rt.	1	0
TRAPELO RD	41+37	Rt.	1	0
TRAPELO RD	48+23	Rt.	1	0
TRAPELO RD	48+30	Rt.	1	0
TRAPELO RD	48+76	Rt.	1	0
TRAPELO RD	61+13	Rt.	1	0
TRAPELO RD	61+13	Rt.	0	1
TRAPELO RD	63+28	Lt.	1	0
TRAPELO RD	67+45	Lt.	1	0
HARRIETT AVE	0+76	Lt.	1	0
TRAPELO RD	73+06	Rt.	1	0
TRAPELO RD	75+85	Lt.	1	0
TRAPELO RD	76+06	Rt.	1	0
TRAPELO RD	78+29	Rt.	0	1
TRAPELO RD	78+74	Rt.	1	0
TRAPELO RD	82+19	Rt.	1	0
TRAPELO RD	86+43	Lt.	1	0
COMMON ST N	0+80	Rt.	1	0
TRAPELO RD	92+54	Lt.	1	0
TRAPELO RD	92+60	Lt.	0	1
BELMONT ST	102+32	Rt.	1	0
BELMONT ST	104+67	Lt.	1	0
BELMONT ST	109+35	Rt.	1	0
BELMONT ST	112+05	Rt.	1	0
BELMONT ST	112+61	Lt.	1	0
BELMONT ST	117+73	Rt.	1	0
BELMONT ST	118+75	Rt.	1	0
BELMONT ST	123+45	Lt.	1	0
BELMONT ST	123+62	Lt.	1	0
BELMONT ST	124+43	Rt.	1	0
TEMPLETOM PKWY	1+04	Rt.	1	0
TEMPLETOM PKWY	1+04	Lt.	1	0
BELMONT ST	135+90	Rt.	1	0
BELMONT ST	141+33	Rt.	1	0
BELMONT ST	141+62	Rt.	1	0

Item 146. DRAINAGE STRUCTURE REMOVED

At the following locations and/or as directed by the Engineer:

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>CB</u>	<u>DMH</u>
MILL ST	1+15	Rt.	1	0
MILL ST	3+31	Rt.	1	0
TRAPELO RD	30+05	Rt.	0	1
TRAPELO RD	47+58	Rt.	1	0
TRAPELO RD	58+60	Rt.	0	1
TRAPELO RD	58+19	Rt.	1	0
TRAPELO RD	73+32	Rt.	0	1
BELMONT ST	119+82	Rt.	1	0
BELMONT ST	119+85	Rt.	1	0
BELMONT ST	119+87	Rt.	1	0
TRAPELO RD	130+97	Lt.	0	1
TRAPELO RD	127+32	Lt.	1	0
TRAPELO RD	105+37	Rt.	1	0

Item 150.1 SPECIAL BORROW

To be used at all areas of rock cut and areas where unsuitable material is encountered.

Item 151. GRAVEL BORROW

For roadway subbase, driveway, sidewalk foundation, curb foundation and/or as directed by the Engineer

Item 151.2 GRAVEL BORROW FOR BACKFILLING STRUCTURES AND PIPES

For pipe bedding and backfill and backfill of drainage structures and as directed by the Engineer.

Item 153. CONTROLLED DENSITY FILL-EXCAVATABLE

For backfilling traffic signal conduit in the roadway as shown on the Typical sections, and for difficult to compact areas in utility trenches, as directed by the Engineer.

Item 156. CRUSHED STONE

6" bed to be used under all drainage structures and/or as directed by the Engineer.

Item 170. FINE GRADING AND COMPACTING

For all areas of Full Depth Construction, Drives, Walkways, Loamed Areas and as directed by the Engineer

Item 180.1 HEALTH AND SAFETY PLAN

Item 180.2 IMPLEMENTATION OF HEALTH AND SAFETY PLAN

Item 180.3 PERSONNEL PROTECTION LEVEL C UPGRADE

Item 180.4 MONITORING/HANDLING AND STOCKPILLING OF CONTAMINATED SOILSItem 181.1 DISPOSAL OF CONTAMINATED SOIL

For use in disposing of soil that is found to be contaminated.

Item 184.1 DISPOSAL OF TREATED WOOD PRODUCTS

For use in disposing of any wooden landscape edging that cannot be retained as well as existing railroad ties.

Item 201.5 CATCH BASIN - MUNICIPAL STANDARD

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
MILL ST	00+76.38	Rt.
MILL ST	01+09.20	Rt.
TRAPELO RD	18+03.90	Lt.
TRAPELO RD	28+55.00	Lt.
TRAPELO RD	29+95.40	Lt.
TRAPELO RD	31+53.20	Lt.
TRAPELO RD	33+07.70	Rt.
LEXINGTON ST	03+93.30	Rt.
LEXINGTON ST	04+10.20	Rt.
LEXINGTON ST	04+38.50	Lt.
TRAPELO RD	34+60.40	Rt.
CHURCH ST	03+74.90	Lt.
CHURCH ST	03+32.90	Rt.
CHURCH ST	01+05.30	Rt.
TRAPELO RD	39+43.20	Lt.
TRAPELO RD	39+42.40	Rt.
TRAPELO RD	41+47.90	Rt.
TRAPELO RD	41+07.30	Rt.
TRAPELO RD	43+86.10	Rt.
TRAPELO RD	45+74.10	Rt.
TRAPELO RD	45+99.00	Rt.
TRAPELO RD	46+26.50	Rt.
TRAPELO RD	47+66.40	Rt.
TRAPELO RD	48+75.70	Lt.
TRAPELO RD	49+06.60	Lt.
TRAPELO RD	48+28.90	Rt.
TRAPELO RD	50+90.30	Rt.
TRAPELO RD	50+83.00	Rt.
TRAPELO RD	50+40.70	Rt.
TRAPELO RD	55+56.90	Lt.
TRAPELO RD	56+04.60	Lt.
TRAPELO RD	63+16.90	Lt.
TRAPELO RD	63+55.80	Lt.
TRAPELO RD	66+67.40	Rt.

TRAPELO RD	67+49.90	Lt.
TRAPELO RD	68+78.90	Rt.
HARRIET AVE	00+89.90	Rt.
TRAPELO RD	71+90.20	Lt.
TRAPELO RD	73+88.70	Rt.
TRAPELO RD	73+37.70	Rt.
TRAPELO RD	74+45.80	Lt.
TRAPELO RD	76+06.70	Rt.
TRAPELO RD	77+88.40	Lt.
TRAPELO RD	80+57.50	Lt.
TRAPELO RD	84+47.10	Rt.
TRAPELO RD	84+17.70	Rt.
TRAPELO RD	87+51.60	Lt.
TRAPELO RD	86+45.00	Lt.
TRAPELO RD	88+71.40	Rt.
TRAPELO RD	93+48.20	Lt.
TRAPELO RD	92+85.00	Lt.
TRAPELO RD	99+70.80	Lt.
TRAPELO RD	102+30.7 0	Rt.
TRAPELO RD	104+70.0 0	Lt.
BELMONT ST	105+37.3 0	Rt.
BELMONT ST	107+40.9 0	Rt.
BELMONT ST	108+78.6 0	Rt.
BELMONT ST	109+87.7 0	Rt.
BELMONT ST	111+15.5 0	Rt.
BELMONT ST	112+24.7 0	Rt.
BELMONT ST	113+32.9 0	Rt.
BELMONT ST	110+25.0 0	Lt.
BELMONT ST	114+85.8 0	Lt.
BELMONT ST	115+16.1 0	Lt.
BELMONT ST	115+46.0 0	Lt.
BELMONT ST	117+03.9 0	Lt.
BELMONT ST	117+37.5 0	Lt.
BELMONT ST	117+56.4 0	Rt.

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BELMONT ST	118+77.1 0	Rt.
BELMONT ST	119+18.1 0	Lt.
BELMONT ST	119+43.4 0	Lt.
BELMONT ST	118+93.8 0	Rt.
BELMONT ST	119+19.1 0	Rt.
BELMONT ST	119+75.5 0	Rt.
SCHOOL ST	00+85.50	Rt.
SCHOOL ST	00+65.80	Lt.
BELMONT ST	121+49.8 0	Rt.
NEWTON ST	00+72.20	Lt.
NEWTON ST	00+49.70	Rt.
BELMONT ST	124+36.0 0	Rt.
BELMONT ST	125+76.2 0	Rt.
WORCESTER ST	00+66.70	Lt.
WORCESTER ST	00+56.20	Rt.
BELMONT ST	127+38.5 0	Lt.
BELMONT ST	127+47.0 0	Lt.
BELMONT ST	127+72.6 0	Lt.
BELMONT ST	130+68.2 0	Lt.
BELMONT ST	132+17.5 0	Lt.
BELMONT ST	134+37.5 0	Lt.
BELMONT ST	137+98.4 0	Lt.
BELMONT ST	140+49.6 0	Lt.
BELMONT ST	145+78.0 0	Lt.
BELMONT ST	145+90.2 0	Rt.
BELMONT ST	128+19.4 0	Rt.
BELMONT ST	128+68.0 0	Rt.
TEMPLETON PRK	01+05.60	Rt.
TEMPLETON PRK	01+37.50	Lt.

Item 201.52 CATCH BASIN – MUNICIPAL STANDARD TYPE 2

STREET	STA.	SIDE
MILL ST	03+33.60	Rt.
TRAPELO RD	30+29.60	Rt.

Item 201.53 CATCH BASIN – MUNICIPAL STANDARD TYPE 3

STREET	STA.	SIDE
MILL ST	00+69.60	Rt.
MILL ST	01+42.70	Rt.
TRAPELO RD	29+17.80	Rt.
TRAPELO RD	48+29.10	Lt.
TRAPELO RD	55+17.10	Rt.
TRAPELO RD	58+18.50	Rt.
TRAPELO RD	60+46.40	Rt.
TRAPELO RD	63+21.40	Rt.
TRAPELO RD	63+59.00	Rt.
HARRIET AVE	01+25.10	Rt.
TRAPELO RD	78+45.60	Rt.
TRAPELO RD	81+54.40	Rt.
COMMON ST N	00+69.60	Rt.
TRAPELO RD	90+48.20	Lt.
TRAPELO RD	99+72.80	Rt.
TRAPELO RD	104+29.30	Lt.
BELMONT ST	106+79.20	Rt.
BELMONT ST	107+45.60	Rt.
BELMONT ST	118+89.80	Lt.
BELMONT ST	123+32.40	Lt.
BELMONT ST	125+44.20	Lt.
BELMONT ST	128+49.40	Lt.
BELMONT ST	134+98.40	Rt.
BELMONT ST	139+93.80	Rt.
BELMONT ST	142+84.90	Lt.
BELMONT ST	140+85.40	Rt.

Item 201.54 CATCH BASIN – MUNICIPAL STANDARD TYPE 4

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

Item 202. **MANHOLE**

STREET	STA.	SIDE
MILL ST	00+76.60	Rt.
MILL ST	01+14.30	Rt.
TRAPELO RD	29+19.20	Rt.
TRAPELO RD	30+37.80	Rt.
TRAPELO RD	30+08.70	Lt.
TRAPELO RD	31+47.40	Rt.
TRAPELO RD	32+33.70	Rt.
TRAPELO RD	33+12.80	Rt.
TRAPELO RD	33+48.60	Rt.
LEXINGTON ST	00+82.80	Lt.
CHURCH ST	03+34.60	Rt.
CHURCH ST	00+99.00	Rt.
TRAPELO RD	39+45.80	Rt.
TRAPELO RD	40+83.60	Lt.
TRAPELO RD	45+81.10	Rt.
TRAPELO RD	46+33.80	Rt.
TRAPELO RD	47+58.00	Rt.
TRAPELO RD	48+41.70	Lt.
TRAPELO RD	48+35.40	Rt.
TRAPELO RD	48+46.90	Rt.
TRAPELO RD	50+55.80	Rt.
TRAPELO RD	50+66.70	Rt.
TRAPELO RD	56+05.50	Lt.
TRAPELO RD	55+51.90	Rt.
TRAPELO RD	55+95.50	Rt.
TRAPELO RD	58+22.70	Rt.
TRAPELO RD	58+59.70	Rt.
TRAPELO RD	59+77.70	Rt.
TRAPELO RD	60+88.80	Rt.
TRAPELO RD	63+18.70	Rt.
TRAPELO RD	63+54.70	Lt.
TRAPELO RD	66+63.90	Rt.
TRAPELO RD	67+49.30	Lt.
HARRIET AVE	00+89.90	Rt.
TRAPELO RD	71+46.90	Lt.
TRAPELO RD	73+31.80	Rt.
TRAPELO RD	73+83.70	Rt.
TRAPELO RD	74+54.90	Lt.
TRAPELO RD	77+82.70	Lt.
TRAPELO RD	80+51.50	Lt.
TRAPELO RD	76+06.70	Rt.

TRAPELO RD	78+29.10	Rt.
TRAPELO RD	84+28.70	Lt.
TRAPELO RD	84+29.60	Rt.
TRAPELO RD	85+03.20	Lt.
TRAPELO RD	86+47.30	Lt.
TRAPELO RD	88+24.80	Rt.
TRAPELO RD	90+40.60	Lt.
TRAPELO RD	93+13.30	Lt.
TRAPELO RD	100+99.1 0	Lt.
TRAPELO RD	104+30.8 0	Lt.
BELMONT ST	106+86.4 0	Rt.
BELMONT ST	107+43.7 0	Lt.
BELMONT ST	107+52.5 0	Rt.
BELMONT ST	108+85.6 0	Rt.
BELMONT ST	110+27.0 0	Lt.
BELMONT ST	111+21.4 0	Rt.
BELMONT ST	112+31.8 0	Rt.
BELMONT ST	112+65.2 0	Lt.
BELMONT ST	113+40.5 0	Rt.
BELMONT ST	115+39.6 0	Lt.
BELMONT ST	115+41.7 0	Lt.
BELMONT ST	117+28.2 0	Lt.
BELMONT ST	117+44.9 0	Lt.
BELMONT ST	118+01.7 0	Rt.
BELMONT ST	119+01.9 0	Rt.
BELMONT ST	119+34.1 0	Lt.
BELMONT ST	119+30.5 0	Lt.
BELMONT ST	119+07.4 0	Rt.
BELMONT ST	119+82.8 0	Rt.
SCHOOL ST S	00+55.10	Lt.

BELMONT ST	120+69.5 0	Rt.
NEWTON ST	00+68.20	Lt.
BELMONT ST	123+54.6 0	Lt.
BELMONT ST	123+62.3 0	Lt.
BELMONT ST	123+61.3 0	Lt.
BELMONT ST	124+32.4 0	Rt.
BELMONT ST	125+66.0 0	Lt.
WORCESTER ST	00+34.90	Lt.
BELMONT ST	125+83.2 0	Rt.
BELMONT ST	127+58.9 0	Lt.
BELMONT ST	127+54.3 0	Lt.
BELMONT ST	128+70.2 0	Lt.
BELMONT ST	130+94.6 0	Lt.
BELMONT ST	132+17.5 0	Lt.
BELMONT ST	134+84.4 0	Lt.
BELMONT ST	135+04.3 0	Rt.
BELMONT ST	138+08.6 0	Lt.
BELMONT ST	140+95.1 0	Rt.
BELMONT ST	142+75.7 0	Lt.
BELMONT ST	143+30.5 0	Lt.
BELMONT ST	144+51.4 0	Lt.
BELMONT ST	145+72.3 0	Lt.
BELMONT ST	145+97.2 0	Rt.

Item 202.2 MANHOLE (9 TO 14 FOOT DEPTH)

STREET	STA.	SIDE
TRAPELO RD	46+59.70	Rt.
TRAPELO RD	71+34.80	Rt.
BELMONT ST	121+54.2	Rt.

	0	
OXFORD ROAD	02+56.00	Lt.
	140+73.9	
BELMONT ST	0	Lt.

Item 203. SPECIAL MANHOLE

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
TRAPELO ROAD	87+33.50	Lt.
OXFORD ROAD	05+03.20	Lt.

Item 204. GUTTER INLET

For use at the following locations and where existing utilities require their use.

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
TRAPELO RD	21+38.80	Lt.
TRAPELO RD	28+51.90	Lt.
TRAPELO RD	47+91.90	Lt.
TRAPELO RD	87+54.30	Lt.
TRAPELO RD	88+40.70	Lt.
TRAPELO RD	92+89.10	Rt.
TRAPELO RD	93+29.10	Rt.
BELMONT ST	114+85.90	Lt.

Item 207.1 DROP INLET TYPE BF

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
MILL ST	01+16.2 0	Rt.

Item 208.1 DROP INLET TYPE CF

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>
TRAPELO RD	18+55.6 0	Rt.
MILL STREET	00+65.8 0	Rt.
HARRIET AVE	00+89.1 0	Lt.

Item 220. DRAINAGE STRUCTURE ADJUSTED

All new drainage structures as well as existing drainage structures and MWRA Structures at the following locations are to remain and shall be adjusted to line and grade 3 times over the course of the project:

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

Item 220.1 DRAINAGE STRUCTURE REMOVED AND RESET

For the relocation of trench drain at the following location:

STREET	STA.	SIDE
Trapelo Road	25+40.00	Lt.

Item 220.2 DRAINAGE STRUCTURE REBUILT

For use where adjusting or remodeling a structure will not suffice, according to the Engineer.

Item 220.3 DRAINAGE STRUCTURE CHANGE IN TYPE

Where at locations shown on the Drainage and Utility Plans and as directed by the Engineer, including at the following location:

STREET	STA.	SIDE	TYPE
TRAPELO RD	21+40.9 8	Lt.	DMH
TRAPELO RD	28+72.2 0	Rt.	DMH
TRAPELO RD	48+89.82	Lt.	DMH
TRAPELO RD	68+43.22	Lt.	DMH
TRAPELO RD	88+12.5 3	Lt.	DMH
TRAPELO RD	93+22.5 9	Rt.	DMH

Item 220.4 GALVANIZED CURB COVER

For instances where the casting of a utility falls within the proposed curb line and the casting or curb cannot be relocated enough to avoid the conflict. Where at locations shown on the Drainage and Utility Plans and as directed by the Engineer, including at the following location:

STREET	STA.	SIDE	TYPE
TRAPELO RD	30+65.3 0	Lt.	EMH

Item 220.5 DRAINAGE STRUCTURE REMODELED

Where in the judgment of the Engineer the structure needs to be remodeled.

STREET	STATION	SIDE	TYPE
TRAPELO ROAD	28+72.20	Rt.	DMH
TRAPELO ROAD	34+25.50	Lt.	CB
TRAPELO ROAD	34+65.80	Lt.	DMH
TRAPELO ROAD	35+33.70	Lt.	CB
TRAPELO ROAD	41+33.40	Rt.	CB

TRAPELO ROAD	41+45.00	Lt.	DMH
TRAPELO ROAD	48+49.57	Lt.	DMH
TRAPELO ROAD	60+62.70	Lt.	CB
TRAPELO ROAD	82+74.30	Lt.	CB
COMMON ST N	04+27.70	Lt.	CB
COMMON ST N	04+85.90	Rt.	CB
TRAPELO ROAD	100+15.11	Rt.	CB
BELMONT ROAD	120+82.12	Lt.	CB
BELMONT ROAD	132+73.60	Rt.	CB
BELMONT ROAD	135+03.70	Rt.	CB
BELMONT ROAD	137+80.43	Rt.	CB
BELMONT ROAD	143+02.92	Rt.	CB
BELMONT ROAD	145+27.23	Rt.	CB

Item 220.6 SANITARY STRUCTURE REBUILT

For use where adjusting or remodeling a structure will not suffice, according to the Engineer.

Item 220.7 SANITARY STRUCTURE ADJUSTED

Where at locations shown on the Drainage and Utility Plans and as directed by the Engineer, including at the following locations:

STREET	START	END	QTY.
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+50.0 0	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+00.0	4

		0	
BELMONT ST	102+00.0 0	107+00.0 0	3
BELMONT ST	107+00.0 0	113+00.0 0	1
BELMONT ST	113+00.0 0	118+00.0 0	5
BELMONT ST	118+00.0 0	123+00.0 0	5
SCHOOL ST (N)	00+00.00	02+93.00	1
SCHOOL ST (S)	00+00.00	03+00.00	1
BELMONT ST	123+00.0 0	129+00.0 0	8
BELMONT ST	129+00.0 0	134+00.0 0	4
BELMONT ST	134+00.0 0	140+00.0 0	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+00.0 0	145+00.0 0	6
OXFORD AVE	00+00.00	05+63.93	2
BELMONT ST	145+00.0 0	150+00.0 0	2

Item 220.8 SANITARY STRUCTURE REMODELED

For use where adjusting a structure will not suffice, according to the Engineer.

Item 222.3 FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD

As directed by the Engineer. New frame and covers to be used to supplement the use of Removing and Resetting existing frame and covers.

Item 223. FRAME AND GRATE (OR COVER) REMOVED AND RESET

Where, in the judgment of the Engineer, an existing manhole frame and cover on an existing structure being removed or changed in type can be reused at another location.

Item 223.1 FRAME AND GRATE (OR COVER) REMOVED AND STACKED

All catch basin frames and grates within the State layout that are not being reused for new structures, and any damaged frames and covers will be removed and stacked for use by Town.

Item 224.12 12 INCH HOOD

To be used on all new Catch Basins found in Items 201.5, 201.52, 201.53, and 201.54.

Item 227.4 MASONRY PLUG

Where shown on the Drainage and Utility Plans and as directed by the Engineer,
including at the following locations:

A. Drainage Pipe

STREET	STA.	(LF) DIAMETE R
MILL ST	01+08	1.00
TRAPELO RD.	18+09	0.83
TRAPELO RD.	34+67	0.83
LEXINGTON ST.	04+53	0.83
LEXINGTON ST.	04+53	0.83
CHURCH ST.	00+99	0.83
TRAPELO RD.	47+61	0.67
TRAPELO RD.	48+25	0.83
TRAPELO RD.	48+29	0.83
TRAPELO RD.	48+32	0.83
TRAPELO RD.	48+46	0.83
TRAPELO RD.	55+95	1.00
TRAPELO RD.	74+09	1.25
TRAPELO RD.	75+21	1.25
TRAPELO RD.	73+36	1.75
TRAPELO RD.	75+36	1.75
TRAPELO RD.	78+29	0.83
TRAPELO RD.	78+29	0.83
TRAPELO RD.	78+72	0.83
TRAPELO RD.	84+28	1.25
TRAPELO RD.	84+29	1.25
TRAPELO RD.	84+97	1.50
TRAPELO RD.	86+45	0.83
BELMONT ST	88+14	0.83
COMMON ST.	00+54	1.00
BELMONT ST	102+4 7	1.00
BELMONT ST	104+8 7	1.00
BELMONT ST	113+1 1	1.00
BELMONT ST	125+6 4	1.25
BELMONT ST	125+6 7	1.25
BELMONT ST	127+5 3	1.25
BELMONT ST	127+5 5	1.25

B. Water Pipe

—PRELIMINARY ESTIMATE OF QUANTITIES — DETAIL SHEET—
 CITY/TOWN **BELMONT** CORRIDOR IMPROVEMENTS

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(LF)		
STREET	STA.	DIAMETE R
TRAPELO RD.	49+02	0.50
TRAPELO RD.	49+10	0.50
TRAPELO RD.	47+59	0.50
TRAPELO RD.	47+70	0.50
TRAPELO RD.	48+22	0.50
TRAPELO RD.	48+34	0.50
TRAPELO RD.	55+52	0.67
TRAPELO RD.	55+65	0.67
TRAPELO RD.	76+02	0.50
TRAPELO RD.	76+12	0.50
BELMONT ST	139+5 3	0.50

C. Gas Pipe

(LF)		
STREET	STA.	DIAMETE R
TRAPELO RD.	39+3 9	0.50
TRAPELO RD.	39+4 8	0.50
TRAPELO RD.	71+8 4	0.50
TRAPELO RD.	71+8 7	0.50
TRAPELO RD.	71+9 7	0.50
TRAPELO RD.	74+4 0	0.50
TRAPELO RD.	74+4 2	0.50
TRAPELO RD.	74+5 0	0.50
TRAPELO RD.	74+5 2	0.50

Item 238.08 8 INCH DUCTILE IRON PIPE

To be used as directed by the Engineer.

Item 238.10 10 INCH DUCTILE IRON PIPE

Where directed by the Engineer and at the following locations.

<u>STREET</u>	<u>STRUCTUR E</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
TRAPELO RD	GI	28+51.90	Lt.	28+55.00	TYPE 1	Lt.
TRAPELO RD	TYPE 1	28+55.00	Lt.	28+62.44	DMH	Lt.
TRAPELO RD	DMH	30+08.70	Lt.	30+61.05	DMH	Lt.
TRAPELO RD	TYPE 1	29+95.40	Lt.	30+08.70	DMH	Lt.
TRAPELO RD	TYPE 1	31+53.20	Lt.	31+62.74	DMH	Lt.
CHURCH ST	TYPE 1	03+74.90	Lt.	03+34.60	DMH	Rt.
TRAPELO RD	GI	47+91.90	Lt.	48+29.10	TYPE 3	Lt.
TRAPELO RD	GI	87+54.30	Lt.	00+69.60	TYPE 3	Rt.
TRAPELO RD	TYPE 3	99+72.80	Rt.	100+14.8 8	CB	Rt.
BELMONT ST	TYPE 1	104+70.0 0	Lt.	104+90.5 0	DMH	Lt.

Item 238.12 12 INCH DUCTILE IRON PIPE

<u>STREET</u>	<u>STRUCTUR E</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
TRAPELO RD	DMH	87+33.5 0	Lt.	87+47.8 4	DMH	Lt.
TRAPELO RD	DMH	87+33.5 0	Lt.	87+47.8 4	DMH	Lt.
TRAPELO RD	TYPE 1	40+47.9 0	Rt.	40+55.1 0	DMH	Rt.

Item 241.12 12 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCT.</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCT.</u>	<u>SIDE</u>
MILL ST	TYPE 2	03+33.60	Rt.	03+20.70	DMH	Rt.
MILL ST	TYPE 3	01+42.70	Rt.	01+14.30	DMH	Rt.
MILL ST	TYPE 1	01+09.20	Rt.	01+14.30	DMH	Rt.
MILL ST	DMH	01+14.30	Rt.	00+76.60	DMH	Rt.
MILL ST	DMH	00+76.60	Rt.	00+65.80	TYPE 1	Rt.
MILL ST	TYPE 3	00+69.60	Rt.	00+76.60	DMH	Rt.
TRAPELO RD	DMH	17+47.27	Rt.	18+55.60	TYPE CF	Rt.
TRAPELO RD	TYPE 1	18+03.80	Lt.	18+08.75	DMH	Lt.
TRAPELO RD	TYPE 1	28+52.89	Lt.	28+55.89	DMH	Lt.

TRAPELO RD	DMH	30+37.80	Rt.	30+29.60	TYPE 2	Rt.
TRAPELO RD	DMH	33+12.80	Rt.	33+07.70	TYPE 1	Rt.
LEXINGTON ST	DMH	00+82.80	Lt.	00+87.70	DMH	Lt.
LEXINGTON ST	TYPE 1	04+38.50	Lt.	04+56.40	DMH	Rt.
LEXINGTON ST	TYPE 1	04+10.20	Rt.	03+93.30	TYPE 1	Rt.
LEXINGTON ST	TYPE 1	03+93.30	Rt.	04+56.40	DMH	Rt.
TRAPELO RD	TYPE 1	34+60.40	Rt.	34+65.80	DMH	Rt.
CHURCH ST	DMH	03+34.60	Rt.	03+32.90	TYPE 1	Rt.
CHURCH ST	DMH	03+34.60	Rt.	03+23.00	DMH	Rt.
CHURCH ST	TYPE 1	01+05.30	Rt.	00+99.00	DMH	Rt.
TRAPELO RD	DMH	39+45.80	Lt.	39+43.20	TYPE 1	Lt.
TRAPELO RD	TYPE 1	39+42.40	Rt.	39+45.80	DMH	Rt.
TRAPELO RD	TYPE 1	40+80.99	Lt.	40+83.60	DMH	Lt.
TRAPELO RD	TYPE 1	40+80.99	Lt.	40+83.60	DMH	Lt.
TRAPELO RD	DMH	41+21.68	Rt.	41+07.30	TYPE 1	Rt.
TRAPELO RD	TYPE 1	43+86.10	Rt.	45+81.10	DMH	Rt.
TRAPELO RD	DMH	45+81.10	Rt.	45+74.10	TYPE 1	Rt.
TRAPELO RD	DMH	45+81.10	Rt.	46+33.80	DMH	Rt.
TRAPELO RD	DMH	46+33.80	Rt.	46+59.70	DMH 9-14	Rt.
TRAPELO RD	TYPE 1	45+99.00	Rt.	46+33.80	DMH	Rt.
TRAPELO RD	DMH	46+33.80	Rt.	46+26.50	TYPE 1	Rt.
TRAPELO RD	DMH	47+58.00	Rt.	47+66.40	TYPE 1	Rt.
TRAPELO RD	DMH	47+58.00	Rt.	48+35.40	DMH	Rt.
TRAPELO RD	GICI	47+91.90	Lt.	48+29.10	TYPE 3	Lt.
TRAPELO RD	TYPE 3	48+29.10	Lt.	48+49.57	DMH	Lt.
TRAPELO RD	DMH	48+89.80	Lt.	49+06.60	TYPE 1	Lt.
TRAPELO RD	TYPE 1	48+29.10	Rt.	48+35.40	DMH	Rt.
TRAPELO RD	DMH	48+35.40	Rt.	48+46.90	DMH	Rt.
TRAPELO RD	DMH	48+46.90	Rt.	50+55.80	DMH	Rt.
TRAPELO RD	DMH	50+55.80	Rt.	50+90.30	TYPE 1	Rt.
TRAPELO RD	TYPE 1	50+83.00	Rt.	50+66.70	DMH	Rt.
TRAPELO RD	DMH	50+66.70	Rt.	50+55.80	DMH	Rt.
TRAPELO RD	DMH	50+66.70	Rt.	50+40.70	TYPE 1	Rt.
TRAPELO RD	TYPE 1	55+57.90	Lt.	56+05.50	DMH	Lt.
TRAPELO RD	DMH	56+05.50	Lt.	56+04.60	TYPE 1	Lt.
TRAPELO RD	DMH	56+04.60	Lt.	55+51.90	DMH	Rt.
TRAPELO RD	DMH	55+51.90	Rt.	55+17.10	TYPE 3	Rt.
TRAPELO RD	DMH	58+22.70	Rt.	58+18.50	TYPE 3	Rt.
TRAPELO RD	DMH	60+88.80	Rt.	60+46.40	TYPE 3	Rt.
TRAPELO RD	TYPE 3	63+21.40	Rt.	63+83.14	DMH	Rt.
TRAPELO RD	TYPE 3	63+59.00	Rt.	63+18.70	DMH	Rt.
TRAPELO RD	TYPE 1	63+16.90	Lt.	63+43.05	DMH	Lt.
TRAPELO RD	DMH	63+43.05	Lt.	63+54.70	DMH	Lt.
TRAPELO RD	DMH	63+54.70	Lt.	63+55.80	TYPE 1	Lt.
TRAPELO RD	DMH 9-14	66+63.90	Rt.	66+67.40	TYPE 1	Rt.
TRAPELO RD	DMH	67+49.30	Lt.	67+49.90	TYPE 1	Lt.
TRAPELO RD	TYPE 1	68+78.90	Rt.	68+42.30	DMH	Rt.

TRAPELO RD	DMH 9-14	71+26.90	Rt.	00+89.80	DMH	Rt.
HARRIET AVE	DMH	00+89.80	Rt.	01+25.10	TYPE 3	Rt.
HARRIET AVE	TYPE 1	00+89.90	Rt.	00+89.80	DMH	Rt.
HARRIET AVE	DMH	00+89.80	Rt.	00+89.10	TYPE CF	Lt.
TRAPELO RD	TYPE 1	71+90.20	Lt.	71+46.90	DMH	Lt.
TRAPELO RD	DMH	73+83.70	Rt.	73+88.70	TYPE 1	Rt.
TRAPELO RD	TYPE 1	73+37.70	Rt.	73+49.50	DMH	Rt.
TRAPELO RD	TYPE 1	74+45.80	Lt.	74+54.90	DMH	Lt.
TRAPELO RD	DMH	77+82.70	Lt.	77+88.40	TYPE 1	Lt.
TRAPELO RD	DMH	80+51.50	Lt.	80+57.50	TYPE 1	Lt.
TRAPELO RD	DMH	76+06.70	Rt.	76+06.73	TYPE 1	Rt.
TRAPELO RD	DMH	78+29.10	Rt.	78+45.60	TYPE 3	Rt.
TRAPELO RD	DMH	81+54.40	Rt.	81+54.40	TYPE 3	Rt.
TRAPELO RD	TYPE 1	84+17.70	Rt.	84+29.60	DMH	Rt.
TRAPELO RD	DMH	84+29.60	Rt.	84+47.10	DMH	Rt.
COMMON ST N	TYPE 3	00+69.60	Rt.	87+60.90	DMH	Lt.
TRAPELO RD	TYPE 1	87+51.60	Rt.	87+55.60	DMH	Rt.
TRAPELO RD	DMH	88+24.80	Rt.	88+71.40	TYPE 1	Rt.
TRAPELO RD	DMH	90+40.60	Lt.	90+48.20	TYPE 3	Lt.
TRAPELO RD	DMH	93+17.09	Lt.	93+48.20	TYPE 1	Lt.
TRAPELO RD	TYPE 1	92+85.00	Lt.	93+13.30	DMH	Lt.
TRAPELO RD	DMH	93+22.60	Rt.	92+89.10	GI	Rt.
TRAPELO RD	GI	93+29.10	Rt.	93+22.60	DMH	Rt.
TRAPELO RD	TYPE 3	99+70.80	Lt.	100+12.2 2	DMH	Lt.
TRAPELO RD	TYPE 1	102+30.7 0	Rt.	102+50.9 1	DMH	Rt.
TRAPELO RD	TYPE 1	104+29.3 0	Lt.	104+30.8 0	DMH	Lt.
TRAPELO RD	TYPE 1	105+37.3 0	Rt.	105+37.3 0	DMH	Rt.
BELMONT RD	TYPE 3	106+79.2 0	Rt.	106+86.4 0	DMH	Rt.
BELMONT RD	TYPE 3	107+45.6 0	Rt.	107+52.5 0	DMH	Rt.
BELMONT RD	TYPE 1	108+78.6 0	Rt.	107+85.6 0	DMH	Rt.
BELMONT RD	TYPE 1	109+87.7 0	Rt.	110+16.7 9	DMH	Rt.
BELMONT RD	TYPE 1	111+15.2 0	Rt.	111+21.4 0	DMH	Rt.
BELMONT RD	TYPE 1	112+24.7 0	Rt.	111+31.8 0	DMH	Rt.
BELMONT RD	TYPE 1	107+40.9 0	Lt.	107+43.7 0	DMH	Lt.
BELMONT RD	DMH	107+43.7 0	Lt.	110+27.0 0	DMH	Lt.
BELMONT RD	DMH	110+27.0 0	Lt.	110+25.0 0	TYPE 1	Lt.
BELMONT RD	DMH	110+27.0	Lt.	112+65.2	DMH	Lt.

		0		0		
BELMONT RD	TYPE 1	112+55.1 0	Lt.	112+65.2 0	DMH	Lt.
BELMONT RD	DMH	112+65.2 0	Lt.	113+25.0 5	DMH	Lt.
BELMONT RD	GI	114+85.9 0	Lt.	114+85.8 0	TYPE 1	Lt.
BELMONT RD	TYPE 1	114+85.8 0	Lt.	115+39.6 0	DMH	Lt.
BELMONT RD	DMH	115+39.6 0	Lt.	115+41.7 0	DMH	Lt.
BELMONT RD	TYPE 1	115+16.1 0	Lt.	115+39.6 0	DMH	Lt.
BELMONT RD	DMH	115+39.6 0	Lt.	115+46.0 0	TYPE 1	Lt.
BELMONT RD	TYPE 1	117+03.9 0	Lt.	117+28.2 0	DMH	Lt.
BELMONT RD	DMH	117+28.2 0	Lt.	117+44.9 0	DMH	Lt.
BELMONT RD	TYPE 1	117+37.5 0	Lt.	117+28.2 0	DMH	Lt.
BELMONT RD	TYPE 1	117+56.4 0	Rt.	118+01.7 0	DMH	Rt.
BELMONT RD	DMH	119+30.5 0	Lt.	118+90.8 0	TYPE 3	Lt.
BELMONT RD	TYPE 1	119+18.1 0	Lt.	119+30.5 0	DMH	Lt.
BELMONT RD	DMH	119+30.5 0	Lt.	119+43.4 0	TYPE 1	Lt.
BELMONT RD	TYPE 1	118+77.1 0	Rt.	119+01.9 0	DMH	Rt.
BELMONT RD	DMH	119+01.9 0	Rt.	119+07.4 0	DMH	Rt.
BELMONT RD	TYPE 1	118+93.8 0	Rt.	119+01.9 0	DMH	Rt.
BELMONT RD	DMH	119+01.9 0	Rt.	119+19.1 0	TYPE 1	Rt.
BELMONT RD	TYPE 1	119+75.5 0	Rt.	119+82.8 0	DMH	Rt.
SCHOOL ST	TYPE 1	00+85.50	Rt.	00+55.10	DMH	Lt.
SCHOOL ST	DMH	00+55.10	Lt.	120+69.5 0	DMH	Rt.
SCHOOL ST	TYPE 1	00+65.80	Rt.	00+55.10	DMH	Lt.
BELMONT RD	TYPE 1	121+49.8 0	Rt.	121+54.2 0	DMH 9-14	Rt.
NEWTON ST	TYPE 1	00+72.20	Lt.	00+68.20	DMH	Lt.
NEWTON ST	DMH	00+68.20	Lt.	123+61.3 0	DMH	Lt.
NEWTON ST	TYPE 1	00+59.70	Rt.	123+61.3 0	DMH	Lt.
BELMONT RD	TYPE 3	123+32.4	Lt.	123+61.3	DMH	Lt.

		0		0		
BELMONT RD	DMH	123+62.3 0	Lt.	123+62.3 0	DMH	Lt.
BELMONT RD	DMH	124+32.4 0	Rt.	124+36.0 0	TYPE 1	Rt.
WORCESTER ST	DMH	00+34.90	Lt.	125+44.2 0	TYPE 1	Lt.
WORCESTER ST	TYPE 1	00+66.70	Lt.	00+34.90	DMH	Lt.
WORCESTER ST	DMH	00+31.90	Lt.	00+56.20	TYPE 1	Lt.
WORCESTER ST	DMH	00+34.90	Lt.	125+65.8 0	DMH	Lt.
BELMONT RD	DMH	127+58.9 0	Lt.	127+54.3 0	DMH	Lt.
BELMONT RD	DMH	127+54.3 0	Lt.	127+38.5 0	TYPE 1	Lt.
BELMONT RD	TYPE 1	127+47.0 0	Lt.	127+54.3 0	DMH	Lt.
BELMONT RD	DMH	127+54.3 0	Lt.	127+72.6 0	TYPE 1	Lt.
BELMONT RD	DMH	127+54.3 0	Lt.	127+58.9 0	DMH	Lt.
BELMONT RD	DMH	128+70.2 0	Lt.	128+49.4 0	TYPE 3	Lt.
BELMONT RD	TYPE 1	130+68.2 0	Lt.	130+94.5 0	DMH	Lt.
BELMONT RD	MEET EXIST. PIPE	130+99.1 0	Lt.	130+94.5 0	DMH	Lt.
BELMONT RD	DMH	132+17.5 0	Lt.	137+17.5 0	TYPE 1	Lt.
BELMONT RD	DMH	134+84.4 0	Lt.	134+37.5 0	TYPE 1	Lt.
BELMONT RD	TYPE 3	134+98.4 0	Rt.	135+04.3 0	DMH	Rt.
BELMONT RD	DMH	138+32.3 0	Lt.	137+98.4 0	TYPE 1	Lt.
BELMONT RD	DMH	140+73.9 0	Lt.	140+49.6 0	TYPE 1	Lt.
BELMONT RD	DMH	140+73.9 0	Lt.	142+75.7 0	DMH	Lt.
BELMONT RD	DMH	142+75.7 0	Lt.	142+84.9 0	TYPE 1	Lt.
BELMONT RD	DMH	142+75.7 0	Lt.	143+30.5 0	DMH	Lt.
BELMONT RD	DMH	143+30.5 0	Lt.	144+51.4 0	DMH	Lt.
BELMONT RD	DMH	144+51.4 0	Lt.	145+72.3 0	TYPE 1	Lt.
BELMONT RD	TYPE 1	125+80.4 0	Rt.	125+76.2 0	DMH	Rt.
BELMONT RD	TYPE 1	128+19.4 0	Rt.	128+51.1 0	DMH	Rt.

BELMONT RD	DMH	128+41.0 2	Rt.	128+56.7 0	DMH	Rt.
BELMONT RD	DMH	128+56.7 0	Rt.	128+68.6 0	TYPE 1	Rt.
TEMPLETON PRK	TYPE 1	01+37.50	Lt.	00+91.50	DMH	Lt.
BELMONT RD	TYPE 3	139+93.8 0	Rt.	140+05.1 0	DMH	Rt.
BELMONT RD	TYPE 3	140+85.4 0	Rt.	140+95.1 0	DMH	Rt.
BELMONT RD	DMH	141+73.1 0	Rt.	141+75.5 4	DMH	Rt.
BELMONT RD	TYPE 1	145+90.2 0	Rt.	145+97.2 0	DMH	Rt.

Item 241.15 15 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCTURE</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCTURE</u>	<u>SIDE</u>
TRAPELO RD	MEET EXIST.	28+85.50	Rt.	29+19.20	DMH	Rt.
TRAPELO RD	DMH	29+19.20	Rt.	30+37.80	DMH	Rt.
TRAPELO RD	DMH	55+51.90	Rt.	55+95.50	DMH	Rt.
TRAPELO RD	DMH	55+95.50	Rt.	58+22.70	DMH	Rt.
TRAPELO RD	DMH	58+22.70	Rt.	58+59.70	DMH	Rt.
TRAPELO RD	EXIST. DRAIN	74+08.11	Lt.	74+54.90	DMH	Lt.
TRAPELO RD	DMH	74+54.90	Lt.	75+24.39	EXIST. DRAIN	Lt.
TRAPELO RD	DMH	84+27.79	Lt.	87+55.60	DMH	Lt.
TRAPELO RD	DMH	87+80.05	Lt.	88+02.80	DMH	Lt.
TRAPELO RD	DMH	88+24.80	Rt.	87+55.60	DMH	Lt.
BELMONT ST	DMH	117+44.9 0	Lt.	119+34.1 0	DMH	Lt.
BELMONT ST	DMH	119+34.1 0	Lt.	119+30.5 0	DMH	Lt.

Item 241.18 18 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCTUR E</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
MILL ST	DMH	01+14.30	Rt.	01+16.20	TYPE BF	Rt.
MILL ST	DMH	01+14.30	Rt.	01+09.50	DMH	Rt.
TRAPELO RD	DMH	30+37.80	Rt.	31+47.40	DMH	Rt.

—PRELIMINARY ESTIMATE OF QUANTITIES — **DETAIL SHEET** —
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YEAR **2012**

DATE- **FEBRUARY, 2012**

TRAPELO RD	DMH	31+47.40	Rt.	32+33.70	DMH	Rt.
TRAPELO RD	DMH	32+33.70	Rt.	33+12.80	DMH	Rt.
TRAPELO RD	DMH	33+12.80	Rt.	33+48.60	DMH	Rt.
TRAPELO RD	DMH	33+48.60	Rt.	00+82.80	DMH	Lt.
LEXINGTON ST	DMH	00+82.80	Lt.	01+54.16	DMH	Lt.
CHURCH ST	DMH	00+99.00	Rt.	38+09.28	DMH	Rt.
TRAPELO RD	DMH	38+09.28	Rt.	39+45.80	DMH	Rt.
TRAPELO RD	DMH	48+41.70	Lt.	48+49.60	DMH	Lt.
BELMONT ST	DMH	119+34.10	Lt.	120+94.55	DMH	Lt.

Item 241.21 21 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCTUR E</u>	<u>FROM</u>	<u>SIDE</u>	<u>TO</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
TRAPELO RD	DMH	39+45.80	Lt.	40+83.60	DMH	Lt.
TRAPELO RD	DMH	41+12.31	Lt.	40+83.60	DMH	Lt.
TRAPELO RD	DMH	59+77.70	Rt.	58+59.70	DMH	Rt.
TRAPELO RD	DMH	59+77.70	Rt.	60+88.80	DMH	Rt.
BELMONT ST	DMH	123+62.30	Lt.	125+65.80	DMH	Lt.
BELMONT ST	DMH	125+65.80	Lt.	127+58.90	DMH	Lt.

Item 241.24 24 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCTUR E</u>	<u>STATION</u>	<u>SIDE</u>	<u>STATION</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
TRAPELO RD	DMH	60+88.80	Rt.	63+68.70	DMH	Rt.
TRAPELO RD	DMH	63+83.14	Rt.	63+68.70	DMH	Rt.
TRAPELO RD	DMH	87+80.05	Lt.	90+40.60	DMH	Lt.
TRAPELO RD	DMH	90+40.60	Lt.	93+17.09	DMH	Lt.
BELMONT ST	DMH	120+82.80	Rt.	120+89.13	MEET EXIST	Rt.
BELMONT ST	DMH	127+58.90	Lt.	128+70.20	DMH	Lt.
BELMONT ST	DMH	128+70.20	Lt.	130+94.50	DMH	Lt.
BELMONT ST	DMH	130+94.60	Lt.	132+17.50	DMH	Lt.
BELMONT ST	DMH	132+17.50	Lt.	134+84.40	DMH	Lt.

—PRELIMINARY ESTIMATE OF QUANTITIES— DETAIL SHEET—
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DATE- **FEBRUARY, 2012**

BELMONT ST	DMH	134+84.4 0	Lt.	138+10.7 0	DMH	Lt.
BELMONT ST	DMH	138+10.7 0	Lt.	140+73.9 0	DMH	Lt.
BELMONT ST	DMH	140+73.9 0	Lt.	02+56.00	DMH	Lt.
OXFORD RO	DMH	02+56.00	Lt.	05+03.20	DMH	Lt.

Item 241.27 27 INCH REINFORCED CONCRETE PIPE

<u>STREET</u>	<u>STRUCTUR E</u>	<u>STATIO N</u>	<u>SIDE</u>	<u>STATIO N</u>	<u>STRUCTUR E</u>	<u>SIDE</u>
TRAPELO RD	DMH	68+25.17	Rt.	70+46.15	DMH	Rt.
TRAPELO RD	DMH	70+46.15	Rt.	71+34.80	DMH	Rt.
TRAPELO RD	DMH	71+34.80	Rt.	71+65.10	DMH	Rt.
TRAPELO RD	DMH	71+65.10	Rt.	73+31.80	DMH	Rt.
TRAPELO RD	DMH	73+31.80	Rt.	73+83.70	DMH	Rt.
TRAPELO RD	DMH	73+83.70	Rt.	75+52.80	DMH	Rt.
TRAPELO RD	DMH	75+52.80	Rt.	76+06.70	DMH	Rt.
TRAPELO RD	DMH	76+06.70	Rt.	77+69.50	DMH	Rt.
TRAPELO RD	DMH	77+69.50	Rt.	78+29.10	DMH	Rt.
TRAPELO RD	DMH	78+29.10	Rt.	81+54.40	DMH	Rt.
TRAPELO RD	DMH	81+54.40	Rt.	84+27.80	DMH	Rt.
TRAPELO RD	DMH	84+27.80	Rt.	84+28.70	DMH	Lt.
TRAPELO RD	DMH	84+28.70	Lt.	85+03.20	DMH	Lt.
TRAPELO RD	DMH	85+03.20	Lt.	86+47.30	DMH	Lt.
TRAPELO RD	DMH	86+47.30	Lt.	87+33.50	DMH	Lt.
TRAPELO RD	DMH	87+33.50	Lt.	87+80.05	DMH	Lt.

Item 242.12 12 INCH REINFORCED CONCRETE PIPE FLARED END

<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

Item 269.08 8 INCH SLOT PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN)

STREET	START	END
TRAPELO ROAD	21+38.80	23+54.50

Item 302.06 6 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)

STREET	START	END	SIDE
TRAPELO RD.	47+86.67	47+98.13	Lt.
TRAPELO RD.	53+47.40	53+56.33	Rt.
BELMONT ST	108+72.7 8	108+99.2 2	Rt.
BELMONT ST	111+24.2 7	111+31.1 8	Rt.
BELMONT ST	129+01.5 0	129+10.5 0	Lt.
BELMONT ST	139+53.1 4	139+56.8 6	Rt.

Item 302.08 8 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)

STREET	START	END	SIDE
BELMONT ST	125+88.1 5	125+98.2 1	Lt.
TRAPELO RD	33+52.46	33+53.43	Rt.
TRAPELO RD	37+87.90	38+00.52	Rt.

Item 302.10 10 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)

STREET	START	END	SIDE
CHURCH ST.	01+87.35	00+97.65	Rt.
TRAPELO RD.	38+14.23	38+14.41'	Lt.
TRAPELO RD.	77+79.37	77+96.98'	Lt.
TRAPELO RD.	80+48.81	80+66.67	Lt.
BELMONT RD.	121+39.5 3	121+70.3 7	Rt.
BELMONT RD.	120+60.6 7	120+75.3 5	Rt.

Item 302.12 12 INCH DUCTILE IRON WATER PIPE (RUBBER GASKET)

STREET	START	END	SIDE
TRAPELO RD	87+73.19	87+61.20	Lt.

Item 309. DUCTILE IRON FITTINGS FOR WATER PIPE

STREET	STA	STA	SIDE	TYPE	QTY
TRAPELO RD.	47+86.67	47+98.13	Lt.	45 BEND	2
TRAPELO RD.	53+47.40	53+56.33	Rt.	45 BEND	2
BELMONT ST	108+72.7	108+99.2	Rt.	45 BEND	7

	8	2			
BELMONT ST	111+24.2 7	111+31.1 8	Rt.	45 BEND	2
BELMONT ST	129+01.5 0	129+10.5 0	Lt.	45 BEND	2
BELMONT ST	139+53.1 4	139+56.8 6	Rt.	22.5 BEND	1
BELMONT ST	125+88.1 5	125+98.2 1	Lt.	60 BEND	1
TRAPELO RD	33+52.46	33+53.43	Rt.	45 BEND	4
TRAPELO RD	37+87.90	38+00.52	Rt.	45 BEND	4
CHURCH ST.	01+87.35	00+97.65	Rt.	45 BEND	4
TRAPELO RD.	38+14.23	38+14.41'	Lt.	45 BEND	4
TRAPELO RD.	77+79.37	77+96.98'	Lt.	45 BEND	4
TRAPELO RD.	80+48.81	80+66.67	Lt.	45 BEND	4
BELMONT RD.	121+39.5 3	121+70.3 7	Rt.	45 BEND	4
BELMONT RD.	120+60.6 7	120+75.3 5	Rt.	45 BEND	4
TRAPELO RD	87+61.20	87+73.19	Lt.	45 BEND	4

Item 347.075 3/4 INCH COPPER TUBBING TYPE K

To be used where instructed by the Engineer.

Item 347.1 1 INCH COPPER TUBBING TYPE K

To be used where instructed by the Engineer.

Item 347.15 1.5 INCH COPPER TUBBING TYPE K

STREET	START	END
TRAPELO RD	33+55.00	33+65.00

Item 350.06 6 INCH GATE AND GATE BOX

Where shown on the Drainage and Utility Plans and as directed by the Engineer, including at the following locations:

STREET	STA.	SIDE
BELMONT ST	108+94.5 9	Rt.
BELMONT ST	111+28.1 2	Rt.
BELMONT ST	139+55.4 3	Rt.

Item 354.12 12 INCH AND UNDER GATE BOX REMOVED AND RESET

For use if gate box is affected by other work.

Item 357.06 6 INCH GATE BOX

For use to replace any existing gate boxes that are broken.

Item 357.08 8 INCH GATE BOX

For use to replace any existing gate boxes that are broken.

Item 357.10 10 INCH GATE BOX

For use to replace any existing gate boxes that are broken.

Item 357.12 12 INCH GATE BOX

For use to replace any existing gate boxes that are broken.

Item 358. GATE BOX ADJUSTED

To be performed 3 times over the duration of the project. Where shown on the Drainage and Utility Plans and as directed by the Engineer, including the following locations:

<u>STREET</u>	<u>START</u>	<u>END</u>	<u>QTY.</u>
TRAPELO RD	16+66.08	22+00.00	2
MILL ST	00+00.00	4+00.00	4
TRAPELO RD	22+00.00	27+50.00	3
TRAPELO RD	27+50.00	33+50.00	10
PLEASANT ST	00+00.00	01+50.00	4
LEXINGTON ST	00+00.00	4+60.00	
TRAPELO RD	33+50.00	39+00.00	10
CHURCH ST	00+00.00	04+00.00	7
TRAPELO RD	39+00.00	44+00.00	9
TRAPELO RD	44+00.00	50+00.00	13
TRAPELO RD	50+00.00	55+50.00	6
TRAPELO RD	55+50.00	61+00.0	11
BEECH ST (S)	00+00.00	01+50.00	2
BEECH ST (N)	00+00.00	01+00.00	3
TRAPELO RD	61+00.00	67+50.00	11
TRAPELO RD	67+50.00	73+00.00	4
SLADE ST			2
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	8
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	4
CUSHING AVE			2
TRAPELO RD	91+00.00	96+00.00	10
TRAPELO RD	96+00.00	102+00.00	10

BELMONT ST	102+00.00	108+00.00	10
BELMONT ST	108+00.00	113+00.00	4
BELMONT ST	113+00.00	118+00.00	9
BELMONT ST	118+00.00	123+00.00	14
BELMONT ST	123+00.00	129+00.00	21
BELMONT ST	129+00.00	134+00.00	8
BELMONT ST	134+00.00	140+00.00	13
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	9
BELMONT ST	145+00.00	147+14.55	4

Item 376.2 HYDRANT – REMOVED AND RESET

STREET	STA.	SIDE
TRAPELO RD.	47+99.09	Lt.
TRAPELO RD.	53+47.40	Lt.
TRAPELO RD.	68+26.04	Rt.
BELMONT ST	108+98.8 7	Rt.
BELMONT ST	111+32.1 3	Rt.
BELMONT ST	125+99.1 4	Lt.
BELMONT ST	129+00.5 7	Lt.
BELMONT ST	139+57.8 1	Rt.

Item 376.5 HYDRANT ADJUSTED

As directed by the Engineer.

Item 381. SERVICE BOX

STREET	STA.	SIDE
TRAPELO RD	98+63.35	Rt.
BELMONT ST	120+48.79	Lt
BELMONT ST	122+80.67 '	Rt.
BELMONT ST	126+24.33	Lt
BELMONT ST	137+12.82	Lt
BELMONT ST	137+63.97	Lt
BELMONT ST	141+73.59 '	Lt

Item 381.1 SERVICE BOX REMOVE AND RESET

As directed by the Engineer.

Item 381.3 SERVICE BOX ADJUSTED

At locations found in the process of reconstructing the sidewalks and at the following locations:

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

Item 383.3 METER CHAMBER REMOVED AND RESET

Where shown on the Drainage and Utility Plans and as directed by the Engineer, including the following locations.

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD.	34+40.00	Rt.	1
TRAPELO RD.	35+60.00	Rt.	1

Item 384. CURB STOP

Where shown on the Drainage and Utility Plans and as directed by the Engineer, including the following locations.

<u>STREET</u>	<u>STA.</u>	<u>SIDE</u>	<u>QTY.</u>
TRAPELO RD	98+63.35	Rt.	1
BELMONT ST	120+48.79	Lt	1
BELMONT ST	122+80.67	Rt.	1
BELMONT ST	126+24.33	Lt	1
BELMONT ST	137+12.82	Lt	1
BELMONT ST	137+63.97	Lt	1
BELMONT ST	141+73.59	Lt	1

Item 384.2 CURB STOP ADJUSTED

As directed by the Engineer.

Item 390. SPRINKLER HEAD REMOVED AND RESET

As directed by the Engineer.

Item 390.1 SPRINKLER SYSTEM PIPE

As directed by the Engineer.

Item 402. DENSE GRADE CRUSHED STONE FOR SUBBASE

At areas of roadway widening greater than 4 feet and full depth reconstruction.

Item 415. PAVEMENT MICRO MILLING

Limits of micro-milling shown in Construction Plans.

Item 431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE

At areas of roadway widening less than 4 feet and as directed by the Engineer.

Item 440. CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL

Assume two applications upon all roadway widening, full depth reconstruction, and sidewalk reconstruction areas.

Item 443. WATER FOR ROADWAY DUST CONTROL

As directed by the Engineer.

Item 450.90 CONTRACTOR QUALITY CONTROLItem 451. HMA FOR PATCHING

For permanent trench repair over drainage pipes, water pipes, traffic signal conduit, test pits, and roadway repair after milling.

Item 452. ASPHALT EMULSION FOR TACK COAT

For application as necessary over areas of resurfacing, assume two applications over entire roadway area at 0.00564 GAL/SF.

Item 453. HMA JOINT SEALANT

To be used for cold joints in the top course, in between courses along the roadway and as directed by the engineer.

Item 454.5 LATEX MODIFICATION OF HMA

For Top and Binder Courses Only. Not for Base Course.

Item 455.23 SUPERPAVE SURFACE COURSE 12.5(SSC-12.5)

To be used as the top course for all full depth pavement, roadway widening, and pavement overlay areas.

Item 455.31 SUPERPAVE INTERMEDIATE COURSE 12.5(SIC-12.5)

To be used as the intermediate course for all full depth pavement, roadway widening, and pavement overlay areas (excluding side streets).

Item 455.42 SUPERPAVE BASE COURSE 37.5(SBC-37.5)

To be used as the base course for all full depth pavement areas.

Item 455.52 SUPERPAVE LEVELING COURSE 9.5(SLC-9.5)

To be used as a leveling course in areas where the proposed grade is 3.5" or more above the existing grade.

Item 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK

For temporary trench repair over drainage pipes, water pipes, traffic signal conduit, and test pits.

Item 482.15 HOT APPLIED ASPHALTIC CRACK FILLER (POLYESTER FIBERS)

To be applied to the milled surface prior to the placing of the binder course.

Item 482.3 SAWING ASPHALT PAVEMENT

Where proposed hot mix asphalt surface meets existing hot mix asphalt surfaces, where shown on the Construction Plans, and as directed by the Engineer.

Item 482.4 SAWING CEMENT CONCRETE

Where proposed concrete pavement surface meets existing concrete pavement surfaces, the cutting of existing concrete curb, Along either side of drainage and water trenches, Test Pit excavations, and drainage structures prior to the application of the permanent patch, Saw cuts for the permanent patch of the traffic signal conduit is included in the conduit item, where shown on the Construction Plans, and as directed by the Engineer.

Item 486.2 COLORED SCORED CEMENT CONCRETE PAVEMENT

To be used where shown on the Construction Plans along Trapelo Road and Belmont Street.

<u>STREET</u>	<u>STA. FROM</u>	<u>STA. TO</u>	<u>SIDE</u>
CHURCH ST	00+42.67	03+96.30	Lt.
TRAPELO RD	35+03.79	40+89.89	Lt.
TRAPELO RD	38+55.02	41+50.00	Rt.
TRAPELO RD	41+92.27	46+00.35	Rt.
TRAPELO RD	50+68.98	55+34.38	Rt.
TRAPELO RD	53+45.48	56+11.74	Lt.
TRAPELO RD	56+32.55	66+74.69	Lt.
TRAPELO RD	55+73.92	58+26.56	Rt.
TRAPELO RD	60+87.65	71+26.04	Rt.
TRAPELO RD	74+07.12	86+46.90	Lt.
TRAPELO RD	84+43.73	87+79.07	Rt.
COMMON ST N	01+51.22	05+56.35	Lt.
COMMON ST N	00+66.67	05+15.28	Rt.
COMMON ST S	00+43.95	04+05.96	Rt.
COMMON ST S	00+64.00	03+36.66	Lt.
TRAPELO RD	87+37.93	87+77.10	Lt.
TRAPELO RD	88+04.14	92+89.51	Lt.
TRAPELO RD	88+36.51	100+15.3 2	Rt.
BELMONT ST	119+44.36	121+41.4 5	Lt.
BELMONT ST	130+93.89	135+44.0 0	Rt.
BELMONT ST	121+67.40	123+54.6 3	Lt.
BELMONT ST	125+81.53	127+48.9	Lt.

		0	
BELMONT ST	131+14.85	134+61.7 3	Lt.
BELMONT ST	135+17.64	135+63.1 1	Lt.
BELMONT ST	136+43.33	141+72.7 3	Rt.
BELMONT ST	138+54.34	140+66.7 7	Lt.
BELMONT ST	140+93.56	143+10.2 7	Lt.
BELMONT ST	143+37.67	146+03.0 0	Lt.

Item 487. RESIN WALKWAY

To be used for cross walk identification where shown on the Construction Plans along Trapezo Road and Belmont Street.

<u>STREET</u>	<u>STA. FROM</u>
TRAPELO RD	39+60
TRAPELO RD	86+95
TRAPELO RD	88+40
COMMON ST S	0+48
COMMON ST N	0+55
TRAPELO RD	86+50 LT

Item 506. GRANITE CURB TYPE VB – STRAIGHT

See Construction Plans and as directed by the Engineer.

Item 506.1 GRANITE CURB TYPE VB - CURVED

See Construction Plans and as directed by the Engineer.

Item 509. GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT

See Construction Plans, Construction Details and as directed by the Engineer.

Item 509.1 GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED

See Construction Plans, Construction Details and as directed by the Engineer.

Item 509.2 GRANITE CURB FOR MBTA POLE - STRAIGHT

See Construction Plans, Construction Details and as directed by the Engineer.

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
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—PRELIMINARY ESTIMATE OF QUANTITIES — DETAIL SHEET—
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BELMONT ST	118+38.1 8	RT.
BELMONT ST	119+36.5 1	RT.
BELMONT ST	122+81.5 6	RT.
BELMONT ST	126+04.4 6	RT.
BELMONT ST	127+37.3 6	RT.
BELMONT ST	128+10.4 1	RT.
BELMONT ST	129+28.8 6	RT.
BELMONT ST	130+45.9 3	RT.
BELMONT ST	132+59.6 8	RT.
BELMONT ST	133+93.2 7	RT.
BELMONT ST	137+70.8 6	RT.
BELMONT ST	142+39.5 7	RT.
BELMONT ST	144+00.0 0	RT.
BELMONT ST	104+08.2 4	LT.
BELMONT ST	107+74.9 8	LT.
BELMONT ST	108+92.6 8	LT.
BELMONT ST	110+08.5 0	LT.
BELMONT ST	111+25.6 4	LT.
BELMONT ST	115+97.3 7	LT.
BELMONT ST	118+39.3 5	LT.
BELMONT ST	120+54.9 8	LT.
BELMONT ST	127+35.1 2	LT.
BELMONT ST	131+42.3 8	LT.
BELMONT ST	135+52.5 3	LT.
BELMONT ST	136+66.2 9	LT.
BELMONT ST	137+76.2 4	LT.

BELMONT ST	142+45.5 0	LT.
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Item 514. GRANITE CURB INLET – STRAIGHT

For Catch Basin Curb Inlets (CBCI) as identified on the Drainage and Utility Plan.

Item 514.2 GRANITE CURB INLET – STRAIGHT – MUNICIPAL STANDARD

For Catch Basin Type 2 Curb Inlets (CBCI) as identified on the Drainage and Utility Plan.

Item 515. GRANITE CURB INLET – CURVED

For Catch Basin Curb Inlets (CBCI) as identified on the Drainage and Utility Plan.

Item 516. GRANITE CURB CORNER TYPE A

New curb corners are to be installed where there are not existing curb corners that can be removed and reset. See Construction Plans and as directed by the Engineer.

Item 531. TIMBER EDGING

<u>STREET</u>	<u>START</u>	<u>END</u>
LEXINGTON ST	3+96.88	4+71.39
TRAPELO RD	90+7.68	90+17.03
TRAPELO RD	90+21.66	90+38.25
TRAPELO RD	90+44.19	90+71.53
TRAPELO RD	90+93.85	90+75.67
TRAPELO RD	96+16.04	96+22.34
TRAPELO RD	96+28.41	96+41.75
TRAPELO RD	98+9.30	98+26.85
BELMONT ST	108+95.7 3	109+07.9 0
BELMONT ST	109+17.7 3	109+25.8 3
BELMONT ST	128+94.6 1	129+22.7 0
BELMONT ST	129+25.8 6	129+41.0 3

Item 531.1 TIMBER EDGING REMOVED AND RESET

<u>STREET</u>	<u>START</u>	<u>END</u>
TRAPELO RD	93+60.32	
TRAPELO RD	95+93.25	96+54.66
BELMONT ST	132+75.7 1	132+88.5 7

Item 532. CEMENT CONCRETE QUARTER ROUND CURB

As indicated on the Construction Plans, Construction Details and as directed by the Engineer.

<u>STREET</u>	<u>START</u>	<u>END</u>
BELMONT ST	122+08.0 3	122+17.1 1
BELMONT ST	144+54.2 8	144+71.0 8
ARLINGTON ST	01+02.75	01+57.75
ARLINGTON ST	01+57.75	01+87.75
ARLINGTON ST	2+50.18	2+78.85

Item 532.1 CEMENT CONCRETE QUARTER ROUND CURB REMOVED AND RESET

As indicated on the Construction Plans, Construction Details and as directed by the Engineer.

<u>STREET</u>	<u>START</u>	<u>END</u>
TRAPELO RD	121+44.9 4	121+68.9 5
BELMONT ST	114+94.5 9	115+07.6 5
BELMONT ST	127+82.0 1	128+28.0 5
BELMONT ST	131+18.9 2	131+25.4 5
BELMONT ST	145+80.8 1	145+90.7 1

Item 533.1 PAVER EDGING REMOVED AND RESET

As indicated on the Construction Plans, Construction Details and as directed by the Engineer.

<u>STREET</u>	<u>START</u>	<u>END</u>
TRAPELO RD	45+77.07	45+98.57
TRAPELO RD	96+34.39	96+52.68
BELMONT ST	115+24.4 8	115+38.3 6

Item 570.1 HOT MIX ASPHALT CURB TYPE 1

As indicated on the Construction Plans, Construction Details and as directed by the Engineer.

STREET	START	END
TRAPELO RD	35+44.89	35+53.81
TRAPELO RD	62+47.79	62+62.91
TRAPELO RD	61+74.34	62+24.53
TRAPELO RD	62+91.07	62+91.08
BELMONT ST	142+13.4 9	142+23.9 1

Item 580. CURB REMOVED AND RESET

As indicated on the Construction Plans by the abbreviation (R&R) and as directed by the Engineer.

Item 580.1 CURB REMOVED, RELOCATED, AND RESET

As indicated on the Construction Plans by the abbreviation (R,R&R) and as directed by the Engineer.

Item 581. CURB INLET REMOVED AND RESET

As indicated on the Construction Plans in areas of curb (R&R) and as directed by the Engineer.

Item 581.1 CURB INLET REMOVED, RELOCATED, AND RESET

As indicated on the Construction Plans in areas of curb (R,R&R) and as directed by the Engineer.

Item 582. CURB CORNER REMOVED AND RESET

As indicated on the Construction Plans in areas of curb (R&R) and as directed by the Engineer.

Item 582.2 CURB CORNER RELOCATED, REMOVED, AND RESET

As indicated on the Construction Plans areas of curb (R,R&R) and as directed by the Engineer.

Item 590. CURB REMOVED AND STACKED

As directed by the Engineer.

Item 593. EDGING REMOVED AND STACKED

As indicated on the Construction Plans and as directed by the Engineer.

STREET	START	END
TRAPELO	25+45.0	28+15.0

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RD	0	0
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Item 594. CURB REMOVED AND DISCARDED

As directed by the Engineer.

Item 645.142 42 INCH CHAIN LINK FENCE (PTR) VINYL COATED (LINE PST OPT.)

STREET	START	END
TRAPELO RD	22+75.0 0	23+35.0 0

Item 645.148 48 INCH CHAIN LINK FENCE (PTR) VINYL COATED (LINE PST OPT.)

STREET	START	END
BELMONT ST	144+99.0 0	145+15.0 0
BELMONT ST	145+18.0 0	145+35.0 0

Item 645.172 72 INCH CHAIN LINK FENCE (PTR) VINYL COATED (LINE PST OPT.)

STREET	START	END
TRAPEL O	61+76.0 0	62+25.0 0
TRAPEL O	62+47.0 0	62+65.0 0

Item 650.042 42 INCH CHAIN LINK FENCE GATE WITH GATE POST

STREET	START	END
TRAPELO RD	22+75.0 0	23+71.0 0

Item 650.048 48 INCH CHAIN LINK FENCE GATE WITH GATE POST

STREET	START	END
BELMONT ST	144+99.0 0	145+35.0 0

Item 650.072 72 INCH CHAIN LINK FENCE GATE WITH GATE POST

STREET	START	END
TRAPEL O	61+76.0 0	62+25.0 0
TRAPEL O	62+47.0 0	62+65.0 0

Item 653.042 42 INCH CHAIN LINK FENCE CORNER OR INTERMEDIATE BRACE POST

STREET	START	END
TRAPELO RD	22+75.0 0	23+71.0 0

Item 653.048 48 INCH CHAIN LINK FENCE CORNER OR INTERMEDIATE BRACE POST

STREET	START	END
BELMONT ST	144+99.0 0	145+15.0 0
BELMONT ST	145+18.0 0	145+35.0 0

Item 653.072 72 INCH CHAIN LINK FENCE CORNER OR INTERMEDIATE BRACE POST

STREET	START	END
TRAPEL O	61+76.0 0	62+25.0 0
TRAPEL O	62+47.0 0	62+65.0 0

Item 654.042 42 INCH CHAIN LINK FENCE FABRIC

STREET	START	END
TRAPELO RD	22+75.0 0	23+71.0 0

Item 654.048 48 INCH CHAIN LINK FENCE FABRIC

STREET	START	END
BELMONT ST	144+99.0 0	145+15.0 0
BELMONT ST	145+18.0 0	145+35.0 0

Item 654.072 72 INCH CHAIN LINK FENCE FABRIC

STREET	START	END
TRAPEL O	61+76.0 0	62+25.0 0
TRAPEL O	62+47.0 0	62+65.0 0

Item 666. CHAIN LINK FENCE REMOVED AND RESET

STREET	START	END
TRAPELO RD	23+32.98	23+68.55
TRAPELO RD	23+38.39	23+67.69
TRAPELO RD	50+08.03	50+36.24
TRAPELO RD	50+74.60	50+89.01
BELMONT ST	124+41.0	124+65.0

	0	0
BELMONT ST	125+71.0 0	126+14.0 0
BELMONT ST	121+20.3 6	131+26.8 6
BELMONT ST	140+54.7 1	140+62.4 0
BELMONT ST	143+82.4 1	143+04.7 9

Item 668. CHAIN LINK GATE WITH POSTS REMOVED AND RESET

<u>STREET</u>	<u>START</u>	<u>END</u>
BELMONT ST	135+94.8 0	136+23.8 3

Item 670.1 METAL FENCE REMOVED AND RESET

<u>STREET</u>	<u>START</u>	<u>END</u>	<u>SIDE</u>
TRAPELO RD	23+37.0 0	23+69.0 0	LT
TRAPELO RD	23+37.0 0	23+69.0 0	LT

Item 672.1 METAL FENCE GATE AND GATE POST REMOVED AND RESET

As directed by the Engineer.

Item 685.3 STONE MASONRY WALL IN CEMENT MORTAR (BALANCED)

<u>STREET</u>	<u>STAR T</u>	<u>END</u>
MILL STREET	0+00	2+31
TRAPELO RD	19+74	20+8 5

Item 690. STONE MASONRY WALL REMOVED AND REBUILT IN CEMENT MORTAR

<u>STREET</u>	<u>STAR T</u>	<u>END</u>
TRAPELO RD	21+10	23+7 0

Item 697. SEDIMENTATION FENCE

As shown on Construction Plans, with Hay Bales.

<u>STREET</u>	<u>STAR T</u>	<u>END</u>
MILL STREET	00+90	1+9 5

Item 697.1 SILT SACK

To be used for all catch basins within the project's limits. From Items 201.5, 201.52, 201.53, 201.54, 204., 220., 220.5.

Item 701. CEMENT CONCRETE SIDEWALK

Concrete walk surface as shown on Construction Plans to be used on Trapelo Rd, Belmont Street, and all side streets as well as back of walk areas.

Item 701.01 SCORED CEMENT CONCRETE SIDEWALK

Scored Concrete walk surface as shown on Construction Plans to be used on Trapelo Rd, Belmont Street, mainly in commercial areas.

Item 701.02 COLORED SCORED CEMENT CONCRETE SIDEWALK

Colored Scored Concrete walk surface as shown on Construction Plans to be used on Trapelo Rd, Belmont Street, mainly in commercial areas.

Item 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAY

Concrete walk surface as shown on Construction Plans to be used on Trapelo Rd, Belmont Street, and all side streets at driveways.

Item 701.11 SCORED CEMENT CONCRETE SIDEWALK AT DRIVEWAY

Colored Concrete walk surface as shown on Construction Plans to be used on Trapelo Rd, Belmont Street, mainly in commercial areas.

Item 701.2 CEMENT CONCRETE WHEELCHAIR RAMP

See Construction Plans, Construction Details, and as directed by the Engineer.

Item 702. HOT MIX ASPHALT WALK SURFACE

Item 703. HOT MIX ASPHALT DRIVEWAY

As shown on Construction Plans, and as directed by the Engineer.

Item 705.1 FLAGSTONE WALK REMOVED RELAID

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
BELMONT ST	108+55	Lt

Item 706.1 BRICK WALK REMOVED AND RELAID

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
TRAPELO RD	23+80	Rt
TRAPELO RD	29+25	Rt
TRAPELO RD	29+80	Rt

Item 707.1 PARK BENCH

STREET	STATION	SIDE
TRAPELO RD	35+15.00	Lt
TRAPELO RD	35+21.00	Lt
TRAPELO RD	35+27.00	Lt
CHURCH ST	02+13.00	Rt
COMMON ST N.	00+50.40	Rt
COMMON ST N.	00+62.30	Rt
TRAPELO RD	88+67.30	Lt
TRAPELO RD	90+33.20	Rt
TRAPELO RD	99+92.30	Rt
TRAPELO RD	99+95.60	Rt
BELMONT ST	101+61.2 0	Rt
BELMONT ST	119+51.3 0	Rt
BELMONT ST	119+88.4 0	Rt
BELMONT ST	120+58.9 0	Lt

Item 707.11 PARK BENCH REMOVED AND STACKED

STREET	STATION	SIDE
TRAPELO ROAD	35+19.68	Lt.
TRAPELO ROAD	88+69.31	Lt.
TRAPELO ROAD	90+33.31	Rt
COMMON ST N.	01+04.48	Rt

Item 707.112 REPLACEMENT BENCH PLAQUE

STREET	STATION	SIDE
TRAPELO ROAD	35+19.68	Lt.
TRAPELO ROAD	88+69.31	Lt.
TRAPELO ROAD	90+33.31	Rt
COMMON ST N.	01+04.48	Rt

Item 707.2 TRASH RECEPTACLE

STREET	STATION	SIDE
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TRAPELO RD	35+10.00	Lt
TRAPELO RD	35+83.10	Rt
TRAPELO RD	37+01.80	Rt
CHURCH ST	00+51.20	Lt
CHURCH ST	01+76.10	Lt
CHURCH ST	02+73.10	Rt
CHURCH ST	03+75.80	Lt
TRAPELO RD	38+77.90	Lt
TRAPELO RD	40+83.60	Rt
TRAPELO RD	47+15.60	Rt
TRAPELO RD	51+93.50	Rt
TRAPELO RD	53+25.60	Rt
TRAPELO RD	54+79.20	Rt
TRAPELO RD	55+52.20	Lt
TRAPELO RD	56+85.90	Rt
TRAPELO RD	57+17.50	Lt
TRAPELO RD	60+47.50	Rt
TRAPELO RD	63+53.30	Rt
TRAPELO RD	70+88.30	Rt
TRAPELO RD	71+80.40	Rt
TRAPELO RD	84+62.00	Lt
TRAPELO RD	85+91.30	Rt
COMMON RD N.	00+54.40	Rt
COMMON RD N.	01+53.20	Lt
COMMON RD N.	02+74.20	Rt
COMMON RD N.	03+07.60	Lt
COMMON RD N.	03+48.70	Rt
COMMON RD S.	00+71.00	Rt
TRAPELO RD	88+45.00	Lt
TRAPELO RD	89+44.40	Lt
TRAPELO RD	90+17.30	Rt
TRAPELO RD	99+71.50	Rt
BELMONT ST	101+54.9 0	Rt
BELMONT ST	122+18.5 0	Lt
GROVE ST	00+69.20	Rt
BELMONT ST	141+13.2 0	Lt
BELMONT ST	144+05.7 0	Lt

Item 707.21 TRASH RECEIPTACLE REMOVED AND STACKED

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

Item 707.71 3 INCH WAVERELY TRAIL MEDALLION (INSTALLATION ONLY)

STREET	START	END	SIDE
TRAPELO	17+40.0	22+00.0	Rt

RD	0	0	
TRAPELO RD	22+00.0	27+00.0	Rt
TRAPELO RD	27+00.0	33+00.0	Rt
TRAPELO RD	33+00.0	39+00.0	Rt
TRAPELO RD	39+00.0	44+00.0	Rt
TRAPELO RD	39+00.0	44+00.0	Lt

Item 707.72 12 INCH WAVERELY TRAIL MEDALLION (INSTALLATION ONLY)

<u>STREET</u>	<u>START</u>	<u>END</u>	<u>SIDE</u>
TRAPELO RD	17+40.0	22+00.0	Rt
TRAPELO RD	22+00.0	27+00.0	Rt
TRAPELO RD	27+00.0	33+00.0	Rt
TRAPELO RD	33+00.0	39+00.0	Rt
TRAPELO RD	39+00.0	44+00.0	Rt
TRAPELO RD	39+00.0	44+00.0	Lt

Item 707.81 WAVERLY TRAIL SIGN REMOVED AND RESET

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
Trapelo Road	22+85	Rt.

Item 707.82 ELECTRIC BOLLARD SYSTEM LOCATION 1

In Waverley Square and associated with Traffic Control Signal Location #6.

Item 707.83 ELECTRIC BOLLARD SYSTEM LOCATION 2

In Cushing Square and associated with Traffic Control Signal Location #9.

Item 707.9 BICYCLE RACK

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
CHURCH ST	02+45.20	Rt
TRAPELO RD	39+37.80	Rt
TRAPELO RD	39+80.20	Rt
TRAPELO RD	55+57.00	Lt
TRAPELO RD	56+80.90	Rt

TRAPELO RD	63+48.50	Rt
HARRIET AVE	00+52.10	Lt
TRAPELO RD	83+51.10	Rt
COMMON ST N.	00+72.20	Rt
COMMON ST N.	01+51.00	Lt
TRAPELO RD	88+57.00	Lt
TRAPELO RD	89+91.70	Rt
TRAPELO RD	99+67.50	Rt
BELMONT ST	101+50.4 0	Rt
BELMONT ST	107+49.6 0	Rt
BELMONT ST	113+56.2 0	Rt
BELMONT ST	119+32.1 0	Rt
BELMONT ST	119+38.0 0	Rt
BELMONT ST	122+22.6 0	Lt
BELMONT ST	129+22.3 0	Lt
BELMONT ST	141+17.2 0	Rt
BELMONT ST	145+70.0 0	Rt

Item 710.4 **BOUND - PLAIN GRANITE**

As indicated on the Grading and Curb Tie Plans, Construction Plan, and/or as directed by the Engineer.

STREET	STATION	SIDE
MILL ST	03+12.58	RT
TRAPELO RD	30+18.83	LT
TRAPELO RD	31+63.20	LT
BELMONT ST	125+99.6 3	RT
BELMONT ST	128+98.4 0	RT

Item 711. **BOUND REMOVED AND RESET**

For raising or lowering the elevation of an existing bound to match proposed conditions.

STREET	STATION	SIDE
TRAPELO RD	25+25.50	RT

LEXINGTON ST	04+00.50	RT
LEXINGTON ST	04+03.70	RT
BELMONT ST	130+72.7 0	LT
BELMONT ST	131+22.7 0	LT
BELMONT ST	138+12.3 0	LT
BELMONT ST	138+62.4 0	LT
BELMONT ST	140+60.3 0	LT

Item 716. BARBER SHOP POST REMOVED & RESET

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
COMMON ST NORTH	01+12.00	RT

Item 745.1 PEDESTRIAN BUS SHELTER REMOVED AND RESET

<u>STREET</u>	<u>STATION</u>
CHURCH ST	02+63.56
TRAPELO RD	101+73.4 7

Item 745.3 PEDESTRIAN BUS SHELTER INSTALLED

<u>STREET</u>	<u>STATION</u>
TRAPELO RD	37+24.43
TRAPELO RD	56+57.67
TRAPELO RD	71+90.36
TRAPELO RD	83+75.00
BELMONT ST	113+72.0 2
BELMONT ST	146+02.7 0
BELMONT ST	141+43.8 7

Item 751. LOAM BORROW

Item 752.1 TREE PIT

—PRELIMINARY ESTIMATE OF QUANTITIES — DETAIL SHEET—

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CITY/TOWN BELMONTCORRIDOR IMPROVEMENTSYEAR 2012DATE- FEBRUARY, 2012Item 752.3 ROOT PATH

Where shown on the Construction Plans, and as directed by the Engineer.

Item 752.31 BIAXIAL SOIL REINFORCING GRID

To be used in areas where Item 752.3 is located.

Item 752.4 BIO-SWALE SOIL

<u>STREET</u>	<u>STA</u>	<u>STA</u>	<u>SIDE</u>
TRAPELO RD	18+43.0 0	20+83.0 0	RT

Item 752.5 STRUCTURAL SOIL

<u>STREET</u>	<u>STA</u>	<u>SIDE</u>
LEXINGTON ST	00+86.00	RT
TRAPELO RD	65+96.00	RT
TRAPELO RD	72+31.00	LT
TRAPELO RD	72+85.00	LT
TRAPELO RD	73+36.00	LT
COMMON ST S.	01+12.00	LT
COMMON ST S.	03+23.00	LT
COMMON ST S.	03+50.00	RT
TRAPELO RD	96+84.00	RT
TRAPELO RD	97+30.00	RT
TRAPELO RD	98+36.00	RT
BELMONT ST	124+92.0 0	LT
BELMONT ST	125+41.0 0	LT
BELMONT ST	133+80.0 0	LT
GROVE ST	00+62.00	RT
BELMONT ST	137+68.0 0	RT
BELMONT ST	139+88.0 0	RT

Item 765. SEEDINGItem 767.6 AGED PINE BARK MULCH

As shown on the Construction Plans, Typical Section, and/or as directed by the Engineer.

Item 767.8 BALES OF HAY FOR EROSION CONTROL

As shown on the Construction Plans and/or as directed by the Engineer.

<u>STREET</u>	<u>STAR T</u>	<u>END</u>
MILL STREET	00+90	1+9 5

Item 770. LAWN SODDING

As shown on the Construction Plans, Typical Section, and/or as directed by the Engineer.

- Item 773.238 PINE – RED 8-9 FEET HEIGHT
- Item 773.436 PINE - WHITE 5-6 FEET HEIGHT
- Item 775.004 ASH - GREEN 2-2.5 INCH CALIPER
- Item 775.018 BEECH - RIVERS PURPLE 2-2.5 INCH CALIPER
- Item 775.028 ELM-AMERICAN-'VALLEY FORGE' 2-2.5 INCH CALIPER
- Item 775.054 HORNBEAM FASTIGIATE 2-2.5 INCH CALIPER
- Item 775.061 PAGODA TREE 'REGENT' 2-2.5 INCH CALIPER
- Item 775.148 LINDEN – LITTLE LEAF – 'GREENSPIRE' 2-2.5 INCH CALIPER
- Item 775.437 LOCUST – HONEY – 'SKYLINE' 2-2.5 INCH CALIPER
- Item 776.042 MAPLE – HEDGE 1.5-2 INCH CALIPER
- Item 776.523 MAPLE - RED 'ARMSTRONG' 2-2.5 INCH CALIPER
- Item 776.543 MAPLE - RED 'OCTOBER GLORY' 2-2.5 INCH CALIPER
- Item 777.036 OAK – NORTHERN RED 2-2.5 INCH CALIPER
- Item 777.142 OAK - PIN GREEN PILLAR 2-2.5 INCH CALIPER
- Item 777.164 OAK - PYRAMIDAL ENGLISH 2-2.5 INCH CALIPER
- Item 777.241 OAK – SCARLET 2-2.5 INCH CALIPER
- Item 777.331 OAK – WHITE 2-2.5 INCH CALIPER
- Item 777.542 PLANETREE - LONDON 2-2.5 INCH CALIPER
- Item 778.412 CRABAPPLE – 'ADIRONDACK' 1.5-2 INCH CALIPER
- Item 781.152 GINKGO – BILOBA 2-2.5 INCH CALIPER
- Item 781.155 GINKGO – BILOBA 'FASTIGIATA' 2-2.5 INCH CALIPER
- Item 781.578 LILAC TREE - JAPANESE 1.5-2 INCH CALIPER
- Item 782.252 MOUNTAIN ASH – KOREAN - PYRAMIDAL 1.5-2 INCH CALIPER
- Item 782.423 PEAR – CALLERY – 'CHANTICLEER" 2-2.5 INCH CALIPER
- Item 785.643 INKBERRY – DENSA 2-3 FEET HEIGHT
- Item 786.461 JUNIPER – SARGENT'S 15-18 INCH SPREAD
- Item 786.471 JUNIPER – 'SEA GREEN' 18-24 INCH HEIGHT
- Item 787.262 YEW – SPREADING ENGLISH 15-18 INCH SPREAD
- Item 787.245 YEW - HICKS 30-36 INCH
- Item 791.251 FORSYTHIA - 'ARNOLD DWARF' 15-24 INCH
- Item 793.331 PRIVET – REGAL 18-24 INCH
- Item 796.011 BEAR BERRY 2 GALLON
- Item 796.423 DWARF FOUNTAIN GRASS – 'HAMELN' 1 GALLON

As shown on the Landscaping Plans and/or as directed by the Engineer.

- Item 804.2 2 INCH ELECTRICAL CONDUIT TYPE NM – PLASTIC (UL)
- Item 804.3 3 INCH ELECTRICAL CONDUIT TYPE NM – PLASTIC (UL)

<u>Item 804.32</u>	<u>3 INCH ELECTRICAL CONDUIT TYPE NM (DOUBLE) – PLASTIC (UL)</u>
<u>Item 804.33</u>	<u>3 INCH ELECTRICAL CONDUIT TYPE NM (TRIPLE) – PLASTIC (UL)</u>
<u>Item 811.31</u>	<u>PULL BOX 12 X 12 INCHES – SD2.031</u>
<u>Item 811.32</u>	<u>PULL BOX 12 X 24 INCHES</u>

As shown on the Traffic Signal Plans and/or as directed by the Engineer.

Item 811.36 ELECTRIC MANHOLE ADJUSTED

<u>STREET</u>	<u>STATION</u>	<u>SIDE</u>
TRAPELO RD	49+18.00	Rt
TRAPELO RD	52+53.30	Rt
TRAPELO RD	56+05.50	Rt
TRAPELO RD	59+44.60	Rt
TRAPELO RD	82+64.90	Rt
TRAPELO RD	83+49.50	Rt
TRAPELO RD	86+75.50	Rt
TRAPELO RD	89+09.60	Rt
TRAPELO RD	89+82.70	Rt
TRAPELO RD	91+63.00	Rt
TRAPELO RD	94+00.00	Rt
TRAPELO RD	98+31.00	Rt
BELMONT RD	101+25.0 0	Rt
BELMONT RD	103+71.7 0	Rt
BELMONT RD	106+59.5 0	Rt

Item 813.79 INTERCONNECT CABLE SYSTEM

As shown on the Traffic Signal Interconnect Plan to electronically connect Traffic signal Locations 1 through 6.

<u>Item 815.03</u>	<u>TRAFFIC CONTROL SIGNAL LOCATION 3</u>
<u>Item 816.01</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 1</u>
<u>Item 816.02</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 2</u>
<u>Item 816.04</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 4</u>
<u>Item 816.05</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 5</u>
<u>Item 816.06</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 6</u>
<u>Item 816.07</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 7</u>
<u>Item 816.08</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 8</u>
<u>Item 816.09</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 9</u>
<u>Item 816.10</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 10</u>
<u>Item 816.11</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 11</u>
<u>Item 816.12</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 12</u>
<u>Item 816.13</u>	<u>TRAFFIC SIGNAL RECONSTRUCTION LOCATION NO. 13</u>

See Traffic Signal Plans.

Item 823.75 MBTA CATENARY POLE REMOVED AND RESTACKED

STREET	STA.	OFFSET	SIDE
TRAPELO RD	37+00.09	31.3'	RT
TRAPELO RD	37+87.40	42.0'	RT
TRAPELO RD	41+11.95	33.8'	RT
TRAPELO RD	71+12.76	30.0'	RT
TRAPELO RD	72+10.62	29.8'	RT
TRAPELO RD	84+52.60	40.0'	RT
TRAPELO RD	98+89.67	30.9'	RT
BELMONT ST	120+12.7 2	25.6'	RT
BELMONT ST	121+51.9 7	25.5'	RT
BELMONT ST	127+37.3 6	25.0'	RT
BELMONT ST	131+35.8 9	25.0'	RT
BELMONT ST	135+14.6 2	29.1'	RT
CHURCH	2+85.66	28.6'	RT
CHURCH	3+18.38	14.2'	RT

Item 823.76 MBTA CATENARY POLE

STREET	STA.	SIDE
TRAPELO RD	36+97.72	35.0' RT
TRAPELO RD	37+86.14	47.7' RT
TRAPELO RD	41+15.12	30.3' RT
TRAPELO RD	71+09.46	36.0' RT
TRAPELO RD	72+07.71	36.9' RT
TRAPELO RD	84+72.62	30.5' RT
TRAPELO RD	98+81.34	35.6' RT
BELMONT ST	120+14.2 1	38.0' RT
BELMONT ST	121+46.0	30.6'

	5	RT
BELMONT ST	127+33.9 5	26.3' RT
BELMONT ST	131+40.0 4	26.3' RT
BELMONT ST	135+10.7 5	33.1' RT
CHURCH	2+81.49	28.4' RT
CHURCH	3+21.22	28.3' RT

Item 823.77 **MBTA FOUNDATION ABANDONED**

Foundations to be abandoned where MBTA Poles are being removed and stacked as well as where directed to do so by the engineer.

Item 823.78 **MBTA POLE PROTECTION**

STREET	STA.	SIDE
TRAPELO ROAD	49+01.0 0	Rt
TRAPELO ROAD	59+68.2 0	Rt
TRAPELO ROAD	95+10.8 0	Rt
TRAPELO ROAD	98+19.6 0	Rt
BELMONT ROAD	10679.5	Rt

Item 823.79 **MBTA FOUNDATION REMOVED**

Foundations to be removed where abandoning the foundation does not suffice.

Item 826.70 **ELECTRIC SERVICE RISER RELOCATION**

For use to replace an existing riser as directed by the Engineer, including the following locations.

STREET	STA.	SIDE
TRAPELO RD	21+20.9 2	40.4' LT
TRAPELO RD	62+73.7	30.6' RT

Item 826.80 **ELECTRIC SPLICE BOX REPLACEMENT**

STREET	STA.	SIDE
TRAPELO RD	21+5 0	LT

<u>Item 827.21</u>	<u>24-INCH WARNING CLUSTER (H1-2)- ALUMINUM PANEL (TYPE A)</u>
<u>Item 831.</u>	<u>ROADSIDE GUIDE SIGN (D6/D8) - ALUM. PANEL (TYPE A)</u>
<u>Item 832.</u>	<u>WARNING REGULATORY & ROUTE MARKER- ALUM. PANEL (TYPE A)</u>
<u>Item 841.1</u>	<u>SUPPORTS FOR GUIDE SIGN (D6 W/D8-5 INCH TUBULAR POST) STEEL</u>
<u>Item 847.1</u>	<u>SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY – STEEL</u>
<u>Item 847.1</u>	<u>SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL</u>

As indicated on the Sign Summary Sheet and Pavement Marking Plans.

<u>Item 850.41</u>	<u>ROADWAY FLAGGER</u>
<u>Item 851.</u>	<u>SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS</u>
<u>Item 852.</u>	<u>SAFETY SIGNING FOR CONSTRUCTION OPERATIONS</u>
<u>Item 853.1</u>	<u>PORTABLE BREAKAWAY BARRICADE TYPE III</u>
<u>Item 853.2</u>	<u>TEMPORARY PRECAST CONCRETE MEDIAN BARRIER</u>
<u>Item 853.21</u>	<u>TEMPORARY PRECAST CONCRETE MEDIAN BARRIER R & R</u>
<u>Item 853.41</u>	<u>TEMP.IMP.ATTENUATOR FOR SHLDR, INCAPABLE OF REDIRECTION</u>
<u>Item 853.411</u>	<u>TEMP.IMP.ATTENUATOR FOR SHLDR, INCAPABLE OF REDIRECTION R&R</u>

As required by the MUTCD and as directed by the Engineer.

<u>Item 854.014</u>	<u>TEMPORARY PAVING MARKINGS - 4 IN. (PAINTED)</u>
<u>Item 854.016</u>	<u>TEMPORARY PAVING MARKINGS – 6 IN. (PAINTED)</u>

To be used on milled surface and binder surfaces.

<u>Item 854.034</u>	<u>TEMPORARY PAVEMENT MARKINGS - 4 IN. (REMOVABLE TAPE)</u>
<u>Item 854.036</u>	<u>TEMPORARY PAVING MARKINGS – 6 IN. (REMOVABLE TAPE)</u>

To be used on top surface prior to final pavement markings.

<u>Item 854.1</u>	<u>PAVEMENT MARKING REMOVAL - PAINT</u>
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For removal of any Existing or Temporary Pavement Markings and as directed by the Engineer

<u>Item 854.3</u>	<u>PAVEMENT MARKING REMOVAL – TAPE</u>
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For removal of any Temporary Pavement Marking Tape and as directed by the Engineer

<u>Item 856.</u>	<u>SPECIAL LIGHTING UNIT (FLASHING ARROW)</u>
<u>Item 856.12</u>	<u>PORTABLE CHANGEABLE MESSAGE SIGN</u>
<u>Item 859.</u>	<u>REFLECTORIZED DRUM</u>

As required by the MUTCD and as directed by the Engineer.

<u>Item 864.04</u>	<u>PAVEMENT ARROWS AND LEGENDS REFL. WHITE (THERMOPLASTIC)</u>
<u>Item 865.1</u>	<u>CROSS WALKS AND STOP LINES REFL. WHITE (THERMOPLASTIC)</u>
<u>Item 866.04</u>	<u>4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)</u>
<u>Item 866.06</u>	<u>6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)</u>
<u>Item 866.08</u>	<u>8 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)</u>
<u>Item 867.04</u>	<u>4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)</u>

Item 867.08 8 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)
Item 867.12 12 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)
Item 874. STREET NAME SIGN

To be used on top surface prior as final pavement markings where indicated on the Pavement Markings and Signings Plans.

Item 874.11 STREET SIGN WITHOUT POST

Street Sign Without Post are oversized street name signs mounted on the traffic signal mast arms.

Item 874.2 TRAFFIC SIGN REMOVED AND RESET
Item 874.4 TRAFFIC SIGN REMOVED AND STACKED
Item 874.7 MISCELLANEOUS SIGNS REMOVED AND STACKED
Item 874.8 MISCELLANEOUS SIGNS REMOVED AND RESET

Where shown on the Pavement Markings and Signings Plans and as directed by the Engineer.

Item 901.3 4000 PSI, 1.5 IN., 565 CEMENT CONCRETE FOR POST FOUNDATION
Item 903. 3000 PSI, 1.5 IN. 470 CEMENT CONCRETE

For thrust blocks and foundations of permanent and temporary fences, and as directed by the Engineer.