

REINFORCED CRUSHED ROCK BASE			
STATION	CRUSHED ROCK BASE (200 mm) (m ²)	GEOGRID REINFORCEMENT (FOR BASE) (m ²)	REMARKS
HILLSIDE:			
0+181.670 - 0+547.920	7168.67	7168.67	
0+547.920 - 0+601.353	229.25	229.25	Widening and Overlay
0+601.353 - 0+693.900	113.85	113.85	Overlay and Median
0+530 Perimeter Rd.	72.56	72.56	Valley Gutter
18TH STREET NORTH:			
4+940.898 - 4+983.841	388.70	388.70	
STADIUM:			
4+964.959 - 4+972.716	77.48	77.48	
MAPLEWOOD:			
4+968.821 - 4+977.970	108.96	108.96	
PROJECT TOTAL	8159.47	8159.47	

A. C. PAVEMENT (BM-2, PG 70-28)				
STATION	A.C. WEARING SURFACE (50 mm) (m ²)	A.C. BIT. BASE (PG 70-28) (125 mm) (m ²)	A.C. OVERLAY (50 mm) (m ²)	REMARKS
HILLSIDE:				
0+181.670 - 0+547.920	6205.47	6205.47		
0+547.920 - 0+601.353			925.87	Widening and Overlay
0+601.353 - 0+693.900			1357.73	Overlay and Median
0+693.900 - 0+770.339			1650.44	Overlay Only
18TH STREET NORTH:				
4+940.898 - 4+983.841	307.34	307.34		
STADIUM:				
4+964.959 - 4+972.716	60.95	60.95		
MAPLEWOOD:				
4+968.821 - 4+981.161	86.40	86.40		
PROJECT TOTAL	6660.16	6660.16	3934.04	

REMOVAL OF EXISTING STRUCTURES * (FOR INFORMATION ONLY)		
STATION	OFFSET	DESCRIPTION
STORM SEWER:		
0+393.69	8.1 m Lt.	Curb Inlet
0+393.69 to 0+437.59	8.1 to 10.1 m Lt.	381 mm x 43.4 m RCP
0+437.59	10.1 m Lt.	Manhole
0+437.59 to 0+438.14	10.1 to 13.2 m Lt.	610 mm x 3.2 m RCP
0+438.14 to 0+438.22	13.2 to 30.1 m Lt.	610 mm x 16.9 m RCP
0+437.59 to 0+435.09	10.1 m Lt. to 7.5 m Rt.	610 mm x 17.6 m RCP
SANITARY SEWER		
0+436.28	15.6 m Lt.	Manhole
0+487.25	15.7 m Lt.	Manhole
0+660.37	15.5 m Lt. to 13.5 m Rt.	200 mm x 29.0 m pipe

HOUSE FOUNDATIONS: Hillside					
STATION	SIDE	DESCRIPTION	STATION	SIDE	DESCRIPTION
0+255	Lt.	Demo. Backfill Stabilization	0+465	Lt.	Demo. Backfill Stabilization
0+270	Lt.	Demo. Backfill Stabilization	0+505	Lt.	" (Basement)
0+285	Lt.	Demo. Backfill Stabilization			
0+300	Lt.	Demo. Backfill Stabilization	18th Street		
0+315	Lt.	Demo. Backfill Stabilization	4+960	Lt.	Demo. Backfill Stabilization
0+330	Lt.	Demo. Backfill Stabilization			
0+345	Lt.	Demo. Backfill Stabilization			
0+360	Lt.	Demo. Backfill Stabilization			
0+375	Lt.	Demo. Backfill Stabilization			
0+390	Lt.	Demo. Backfill Stabilization			
0+420	Lt.	" (Basement)			

*THE LISTING MAY NOT BE COMPLETE. PAYMENT FOR STRUCTURES OR OBSTRUCTIONS NOT LISTED BUT WHOSE REMOVAL IS REQUIRED BY THE CONSTRUCTION, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID ITEM "REMOVAL OF EXISTING STRUCTURES".

UTILITY ADJUSTMENTS			
STATION/OFFSET	WATER VALVE	MANHOLE	REMARKS
0+191.89, 8.45 m Lt.	1		2" Service
0+195.38, 3.67 m Rt.		1	SWB Manhole
0+198.03, 9.37 m Lt.	1		
0+213.41, 9.44 m Lt.	1		
0+449.18, 9.68 m Lt.	1		
0+448.49, 9.04 m Lt.	1		
0+535.36, 9.47 m Lt.	1		
PROJECT TOTAL	6	1	

FOR INFORMATION ONLY:
 Fire Hydrant Assy. To be relocated by C.O.W. prior to const. 0+213.42, 11.26 m Lt.
 Fire Hydrant Assy. To be relocated by C.O.W. prior to const. 0+453.10, 7.92 m Lt.
 Fire Hydrant Assy. To be relocated by C.O.W. prior to const. 0+534.45, 11.88 m Lt.

CURB AND GUTTER, COMBINED						
STATION TO STATION	SIDE	TYPE I (m)	TYPE II (m)	TYPE III (m)	Monolithic Edge Curb (m)	REMARKS
HILLSIDE:						
0+181.67 - 0+212.23	Lt.	40.53				Inc. 1 curb return
0+224.38 - 0+438.22	Lt.	221.68				Inc. 2 curb return
0+244.69 - 0+355.97	Rt.	111.28				
0+376.15 - 0+434.20	Rt.	58.05				
0+447.60 - 0+523.60	Lt.	86.74				Inc. 2 curb return
0+532.38 - 0+601.35	Lt.	73.45				Inc. 1 curb return
0+547.92 - 0+601.35	Rt.	53.43				
18TH STREET NORTH:						
4+940.90 - 4+983.841	Lt.	40.96				
4+940.90 - 4+975.30	Rt.	36.39				
STADIUM STREET						
4+964.96 - 4+972.68	Lt.	7.72				
4+964.96 - 4+972.72	Rt.	7.76				
MAPLEWOOD						
4+971.56	Lt.		3.98			Through driveway
4+968.82 - 4+977.97	Rt.	9.15				
4+968.82 - 4+981.16	Lt.	8.36				Excludes driveway
HILLSIDE MEDIAN						
0+271.64 - 0+435.08	℄			331.29		Includes Transition
0+450.57 - 0+520.71	℄			147.06		Includes Transition
0+627.90 - 0+692.29	℄			131.80		Includes Transition
PERIMETER ROAD						
				14.36		Valley Gutter
TOTAL		855.50	3.98	610.15	14.36	

SIDEWALK CONSTRUCTION (AE)				
LOCATION	100 mm (m ²)	WIDTH (m)	REMARKS	
HILLSIDE:				
0+181.67 - 0+210.17	Lt.	54.52	1.8	Excludes 1 wheelchair ramp
0+228.25 - 0+434.01	Lt.	377.26	1.8	Excludes 2 wheelchair ramps
0+451.78 - 0+518.81	Lt.	121.08	1.8	Excludes 2 wheelchair ramps
0+541.74 - 0+598.05	Lt.	101.28	1.8	Excludes 1 wheelchair ramp
18TH STREET NORTH				
4+940.90 - 4+979.41	Rt.	75.43	1.8	
4+940.90 - 4+986.60	Lt.	75.05	1.8	
STADIUM STREET				
4+967.84	Rt.	7.13	1.0	Walk for utility
PROJECT TOTAL		811.75		

SURVEY MONUMENT (INSTALL ONLY)				
STATION	SIDE	QUANTITY EACH	REMARKS	
0+000.000	0.000 m Rt.	1	SE Cor., NW 1/4, Sec. 10, T27S, R1E	
0+402.181	0.000 m Rt.	1	SE Cor., N 1/2, NE 1/4, Sec. 10, T27S, R1E	
PROJECT TOTAL		2		

UNDERDRAIN					
STATION TO STATION	SIDE	MEDIAN UNDERDRAIN (m)	MEDIAN PIPE UNDERDRAIN (m)	PAVEMENT UNDERDRAIN (m)	REMARKS
0+629.229 - 0+690.969	℄	61.7			
0+274.738 - 0+409.507	Lt.		115.3		Drain to curb inlet
0+409.507 - 0+431.795	Lt.		22.4		
0+456.167 - 0+518.165	Lt.		72.9		Drain to pmt. underdrain
0+234.081 - 0+408.943	Lt.		175.3		Drain to curb inlet
0+410.744 - 0+436.375	Lt.		33.0		Drain to curb inlet
0+438.215 - 0+513.275	Lt.		81.1		Drain to curb inlet
0+244.690 - 0+355.968	Rt.		118.5		Drain to curb inlet
0+376.300 - 0+434.196	Rt.		57.9		Drain to curb inlet
PROJECT TOTAL		61.7	210.6	465.8	

EARTHWORK											
STATION TO STATION	EXCAVATION				COMPACTION		TO BE WASTED		SUBGRADE COMPACTION	REMARKS	
	COMMON (m ³)	VMF	*ROCK (m ³)	VMF	SELECT SOIL (m ³)	SELECT SOIL (m ³)	COMMON † EXCAVATION (m ³)	ROCK ‡ EXCAVATION (m ³)	(95%) (m ³)		
ROADWAY IMPROVEMENTS											
0+181.670 to 0+770.339	3,313	0.8	1,475		2,625	1.0	2,385	2,625	265	1,475	1,224
PROJECT TOTAL	3,313		1,475		2,625		2,385	2,625	265	1,475	1,224

* Rock Excavation includes Pavement, Sidewalk and Drive Removal. Paid as "Pavement Removal", "Sidewalk Removal" and "Drive Removal".
 † Removal of waste material shall be subsidiary to "Common Excavation".
 ‡ Removal of waste material shall be subsidiary to "Pavement Removal", "Sidewalk Removal", and "Drive Removal".

WHEELCHAIR RAMP			
STATION	SIDE	QUANTITY (Each)	REMARKS
0+212.33	Lt.	1	
0+226.18	Lt.	1	
0+436.46	Lt.	1	
0+449.41	Lt.	1	
0+521.05	Lt.	1	
0+538.66	Lt.	1	
PROJECT TOTAL		6	

BRICK PAVERS (60 mm)			
STATION	OFFSET (m)	QUANTITY (m ²)	REMARKS
0+271.642	1.552 Lt.	4.15	
0+435.084	8.918 Lt.	9.02	
0+450.570	8.761 Lt.	8.84	
0+520.707	1.245 Lt.	10.89	
0+627.904	℄	5.18	
0+692.294	℄	5.18	
PROJECT TOTAL		43.26	

CONCRETE PAVEMENT (AE)				
STATION	SIDE	150 mm (AE) (Plain) (m ²)	200 mm (Uniform) (AE)(NRDJ) (m ²)	REMARKS
MAPLEWOOD:				
4+971.56	Lt.	14.81		Driveway
HILLSIDE:				
0+547.920 to 0+601.353			116.98	Pvmt. Widening
PROJECT TOTAL		14.81	199.17	

REINFORCED CONCRETE VALLEY GUTTER			
STATION	SIDE	200 mm UNIFORM (AE) (m ²)	REMARKS
PERIMETER ROAD		68.43	Partial replacement of exist. conc. valley gutter
PROJECT TOTAL		68.43	

IRRIGATION SLEEVES (150 mm)(SCH. 40)			
STATION	SIDE	QUANTITY (m)	REMARKS
0+259.0	Rt.	9.9	
0+259.5	Rt.	9.9	
0+314.0	Lt.	9.9	
0+314.5	Lt.	9.9	
0+406.5	Rt.	9.9	
0+407.0	Rt.	9.9	
0+406.5	Lt.	9.9	
0+407.0	Lt.	9.9	
0+443.0	Lt.	24.0	
0+443.0	Lt.	24.0	
0+458.5	Rt.	14.8	
0+459.0	Rt.	14.8	
0+458.5	Lt.	9.9	
0+459.0	Lt.	9.9	
0+631.0	Rt.	11.4	
0+631.5	Rt.	11.4	
0+688.8	Rt.	9.9	
0+689.0	Rt.	9.9	
0+688.5	Lt.	11.5	
0+689.0	Lt.	11.5	
PROJECT TOTAL		242.2	

RECAPITULATION OF QUANTITIES			
BID ITEM	QUANTITY	UNIT	
ROADWAY ITEMS			
FIELD OFFICE AND LABORATORY (TYPE A)	1	EACH	
MOBILIZATION	1	L.S.	
REMOVAL OF EXISTING STRUCTURES	1	L.S.	
EROSION CONTROL (BMP)	1	L.S.	
TRAFFIC CONTROL	1	L.S.	
CLEARING AND GRUBBING	1	L.S.	
PAVEMENT MARKING	1	L.S.	
STREET SIGNAGE	1	L.S.	
PAVEMENT REMOVAL	6,598	m ²	
DRIVEWAY REMOVAL	159	m ²	
SIDEWALK REMOVAL	621	m ²	
COMMON EXCAVATION	3,313	m ³	
COMPACTED SUBGRADE (95% ASTM D 698)	1,224	m ³	
COMPACTION (TYPE B, MR-90)	2,385	m ³	
SELECT SOIL (CONTRACTOR FURNISHED)	2,625	m ³	
GEOGRID REINFORCEMENT (FOR BASE)	8,160	m ²	
CRUSHED ROCK BASE (200 mm)	8,160	m ²	
COLD MILLING ASPHALT PAVEMENT (50 mm)	2,284	m ²	
A.C. PAVEMENT (125 mm BASE COURSE)(BM-2, PG 70-28)	6,660	m ²	
A.C. PAVEMENT (50 mm SURFACE COURSE)(BM-2, PG 70-28)	6,660	m ²	
A.C. PAVEMENT (50 mm)(OVERLAY)(BM-2, PG 70-28)	3,934	m ²	
CONCRETE PAVEMENT (200 mm)(UNIF.)(AE)(NRDJ)	117	m ²	
CONCRETE PAVEMENT (150 mm)(PLAIN)(AE)	15	m ²	
REINFORCED CONCRETE VALLEY GUTTER (200 mm)	68	m ²	
CURB AND GUTTER, COMBINED (TYPE I AND II)	859	m	
CURB AND GUTTER, COMBINED (TYPE III)	610	m	
MONO EDGE CURB	14	m	
CLAY BRICK PAVERS (60 mm)	43	m ²	
SIDEWALK CONSTRUCTION (100 mm)(AE)	812	m ²	
WHEELCHAIR RAMP	6	EACH	
UNDERDRAIN, MEDIAN	62	m	
UNDERDRAIN, MEDIAN PIPE (100 mm PVC)	211	m	
UNDERDRAIN, PAVEMENT (100 mm PVC)	466	m	
STORM SEWER ITEMS			
INLET (CURB)(TYPE 1)(1.5 x 1.32 m)	1	EACH	
INLET (CURB)(TYPE 1)(3.0 x 2.24 m)	1	EACH	
375 mm STORM SEWER (RCP)	30	m	
0.55 m ² STORM SEWER (RCPHE)	36	m	
FLOWABLE FILL (SWS)	36	m	
SANITARY SEWER ITEMS			
MANHOLE, STD.	2	EACH	
200 mm SANITARY SEWER PIPE (PVC)	28	m	
FLOWABLE FILL (SS)	20	m	