

SIDEWALK CONSTRUCTION						
Location	Side	Concrete Sidewalk 4" (sf)	Sidewalk Thickening (lf)	Wheelchair Ramp w/ Detectable Warnings (ea)	Concrete Sidewalk Protection Curb (lf)	Remarks
MT. VERNON:						
96+84.10 to 97+40.23	RT.	329.8				
97+64.23 to 99+63.37	RT.	1,211.6				
99+59.37	RT.			1		
100+45.44	RT.			1		
100+48.44 to 100+61.23	RT.				14.3	
100+48.44 to 101+69.93	RT.	791.3				
101+89.93 to 102+40.32	RT.	302.4				
102+61.72 to 103+36.00	RT.	435.9				
96+84.10 to 98+35.95	LT.	903.3				
98+48.95 to 99+66.25	LT.	715.9				
99+62.24	LT.			1		
100+37.92	LT.			1		
100+33.92 to 100+82.80	LT.	335.3				
100+58.94 to 100+82.80	LT.		23.9			
101+40.80 to 102+37.56	LT.	580.6	96.8			
103+07.69 to 103+36.00	LT.	178.8	28.3			
HILLSIDE:						
45+89.95 to 46+32.83	RT.	240.2				
46+62.96 to 47+71.80	RT.	653.1				
47+96.80 to 49+53.06	RT.	938.0				
49+34.62 to 49+53.06	RT.				18.5	
49+56.06	RT.			1		
50+41.92	RT.			1		
50+44.92 to 51+40.07	RT.	592.4				
51+52.07 to 52+14.05	RT.	383.5				
52+04.95 to 52+14.05	RT.		9.1			
52+49.80	RT.	11.3				
45+90.00 to 46+39.21	LT.	325.4	49.2			
46+75.21 to 47+06.20	LT.	185.9	31.0			
47+39.20 to 49+52.86	LT.	1,324.5	196.7			
49+55.88	LT.			1		
50+41.77	LT.			1		
50+44.77 to 51+14.11	LT.	437.6			40.4	
51+26.80 to 51+41.77	LT.	91.6				
51+53.77 to 51+83.92	LT.	187.6	6.7			
52+35.87 to 52+50.00	LT.	64.5	4.1			
Totals		11,220.3	445.7	8	223.2	Location not specified

BRICK PAVERS				
Location	Side	Brick Pavers (sy)	Concrete Base 8" (Reinf.) (sy)	Remarks
MT. VERNON:				
99+60.81	LT. & RT.	61.6	61.6	
100+41.70	LT. & RT.	61.9	61.9	
HILLSIDE:				
49+55.89	LT. & RT.	61.4	61.4	
50+41.85	LT. & RT.	50.5	50.5	
Totals		235.4	235.4	

* Concrete base below the pavers will be measured and paid for separately. Crushed Rock Base will be measured and paid for as part of the bid item "Crushed Rock Base 6", Reinforced".
 *The concrete band on the east side of the pavers is included in the concrete base quantity.

CONCRETE PAVEMENT AND BASE					
Location	Side	Concrete Pavement 9" (Reinf) (sy)	Concrete Pavement 9" (NRDJ) (sy)	Crushed Rock Base 6", Reinforced (sy)	Remarks
MT. VERNON:					
98+41.76 to 99+37.76			469.3	544.0	
100+67.00 to 103+36.00			1299.5	1508.8	
HILLSIDE:					
48+38.28 to 49+34.28			469.3	544.0	
50+63.49 to 51+59.49			362.7	437.3	
Mt. Vernon & Hillside Intersection		938.0		1277.3	
Totals		938.0	2600.8	4311.4	

CONCRETE CURB AND GUTTER			
Location	Side	Concrete C & G, Type 1 (6" & 1-1/2") (lf)	Remarks
MT. VERNON:			
96+84.10 to 99+37.76	RT.	253.7	
96+84.10 to 99+37.76	LT.	253.7	
100+67.00 to 103+36.00	RT.	269.1	
100+67.00 to 103+36.00	LT.	269.0	
HILLSIDE:			
45+90.00 to 49+34.28	LT.	344.3	
45+90.00 to 49+34.28	RT.	344.5	
50+63.49 to 52+50.00	LT.	186.5	
50+63.49 to 52+50.00	RT.	186.5	
Intersection Mt. Vernon and Hillside		262.2	
Totals		2,369.5	

TREE REMOVAL			
Location	Offset	Large	Small
Street			
HILLSIDE			
51+07.88	33 LT.	1	
			1 #
Totals		1	1

Location not specified

ASPHALT PAVEMENT AND BASE					
Location	Side	AC Pavement 7" (5" Bit Base) (sy)	AC Pavement 2" Mill & Overlay (sy)	Crushed Rock Base 8", Reinforced (sy)	Remarks
MT. VERNON:					
96+84.10 to 98+41.76		758.9		881.7	
HILLSIDE:					
45+90.00 to 48+38.28		1,131.0		1324.3	
51+59.49 to 52+50.00		341.5		412.0	
52+50.00 to 63+63.71			5235.8		
Totals		2231.4	5235.8	2618.0	

EARTHWORK						
Location	EXCAVATION ITEMS			VMF	Fill, Compacted (95% Density) (cy)	Remarks
	Pavement Removed (sy)	Sidewalk, Drive, &/or Pkg Lot Removed* (sy)	Excavation (cy)			
PROJECT:						
	5,951.8	1,643.6	2,861.0			For entire Project
Totals	5,951.8	1,643.6	2,861.0		0.0	

* Includes all sidewalk, ramps, driveways, bus pads and all pavement on private property.
 Δ Based on best available information existing pavement is 8" concrete on Mt. Vernon east of Hillside and 7" asphalt elsewhere. Thicknesses may vary.

SUMMARY OF WATER ITEMS																			
Line No.	Pipe, DICL 8" (lf)	Pipe, DICL 12" (lf)	Pipe, DICL 16" (lf)	Pipe, DICL 20" (lf)	Pipe, 8" (lf)	Pipe, 12" (lf)	Pipe, 16" (lf)	Pipe, 20" (lf)	Pipe, 12" Direct, Drill (lf)	Pipe, 20" Direct, Drill (lf)	Valve Assembly, 8" (ea)	Valve Assembly, 12" (ea)	Valve Assembly, 20" (ea)	Fire Hydrant Assembly (ea)	Fire Hydrant Removal* (ea)	Cut and Cap (ea)	Valve Box Adjusted (ea)	Valve Box Removed (ea)	2" Valve Assembly, Air Release (ea)
Line 1		46.20				592.60			106.70			4	2			1			1
Line 1a		19.90				22.32													
Line 2			40.53				88.18									2			
Line 3			6.22	29.72			64.97	36.02		60.00	1			1	1	3		5	1
Line 4	17.10				14.80									1	1	2		1	
Totals	17.10	66.10	46.75	29.72	14.80	614.92	153.15	36.02	106.70	60.00	1	4	2	2	2	8	0	6	2

*For information only. Subsidiary to "Removal of Existing Structures"

DRIVEWAY PAVEMENT									
Location	Side	Concrete Driveway 8" (Reinf.) (sf)	P (ft)	X (ft)	Width (ft)	Quantities on Private Property			
						Concrete Driveway 8" (Reinf.) (sf)	AC Pavement 5" (sy)	Aggregate Hookup (sy)	Remarks
MT. VERNON:									
97+52.23	34.00 RT.	430.7	14.5	14.5	24.0				
98+42.45	34.00 LT.	321.0	16.5	16.5	13.0				
101+11.80	29.50 LT.	325.1	16.50	27.2	40.0	326.2			
101+79.93	32.50 RT.	651.3	24.50	24.5	20.0				
102+51.02	32.50 RT.	341.6	13.00	13.0	21.4	238.9			
102+54.82	30.00 LT.	404.0	16.50	21.8	18.0	100.8			
102+90.11	30.00 LT.	224.2	6.77	26.5	17.2	339.2			
HILLSIDE:									
46+50.95	42.42 RT.	922.0	27.50	27.5	24.0				
46+57.21	26.82 LT.	276.0	9.24	20.2	18.0	193.8			
47+22.70	27.74 LT.	232.1	8.26	22.3	15.0		23.5		
47+84.30	44.00 RT.	738.5	23.00	23.0	25.0				
51+20.46	25.50 LT.	168.0	10.50	25.7	12.7	190.7			
51+46.07	24.00 RT.	162.0	10.50	10.5	12.0	226.2			
51+47.77	25.50 LT.	160.9	10.50	15.5	12.0	61.4		15.4	
51+98.92	25.50 LT.	209.9	10.50	15.5	12.0	62.0		17.5	
52+20.87	25.50 LT.	209.7	10.50	10.5	12.0	166.0			
52+31.20	25.50 RT.	279.8	10.50	10.5	16.3	163.0			
Totals		6056.6				2,068.1	23.5	32.9	

P = Distance from back of curb to right-of-way line. X = Distance from back of curb to limit of driveway paving

REMOVAL OF EXISTING STRUCTURES*			
Location	Offset	Item	Remarks
Street			
Mt. Vernon			
96+84 to 97+04	25' Lt.	20' of 12" Water Line	
99+70 to 99+90	10' Rt.	20' of 12" Water Line	
99+80 to 100+76	5' Rt.	63' of 60" RCP Pipe	
100+18 to 100+48	5' Rt.	30' x 8' RCMH	Paid for as "MH Removed, Special"
99+80 to 100+20	40' Lt.	40' of 30" RCP Pipe	
99+63 to 99+91	14' Lt.	56' of 8" PVC Sanitary Sewer	
100+25 to 100+71	26' Lt.	47' of 36" RCP Pipe	
100+50	25' Lt.	MH	
100+24 to 100+54	Rt. and Lt.	40' of 30" RCP Pipe	
100+55	7' Lt.	MH	
100+56 to 103+18		262' of 30" RCP Pipe	
102+95 to 103+35	1' Lt.	40' of 12" Water Line	
Hillside			
45+85 to 47+05	12' Lt.	120' of 16" Water Pipe	
45+94 to 50+75	24' Lt.	482' of 60" RCP Pipe	
49+44 to 49+64	14' Lt.	20' of 16" Water Line	
49+62	24' Lt.	Curb Inlet	
49+96	24' Lt.	RCMH	
50+41	24' Lt.	Curb Inlet	
46+17 to 50+39	22' Rt.	427' of 30" RCP Pipe	
49+78	22' Rt.	MH	
50+10 to 50+85	14' Lt.	75' of 8" Water Line	
50+41	22' Rt.	Curb Inlet	
46+82	28' Rt. To 50' Rt.	32' of 4" Steel Pipe	
46+82	50' Rt.	Inlet	
56+88 to 57+20	16' Lt.	32' of 8" Water Pipe	
57+03	24' Lt. to 24' Rt.	48' of 15" RCP Pipe	

*This list does not necessarily constitute a complete list of all items to be removed during construction. This list is provided for information only. Pavement removal and tree removal are paid for separately. Pipe removal and inlet/manhole removal will also be paid for separately but are noted in this table. Sign removals are shown on the signing plans, water valves and meters to be removed are noted in the summary of quantities table. Sand backfill associated with pipe and inlet removals is paid for as "Sand Backfill, Flushed & Vibrated".



STREET IMPROVEMENTS FOR
MT. VERNON & HILLSIDE INTERSECTION
 PAVING PLANS

©2019 MKEC Engineering All Rights Reserved www.mkec.com
 These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

SUMMARY OF QUANTITIES

PROJECT NO.	472-85286	
DATE	DATE	
SCALE	NA	
DESIGNED	DRAWN	CHECKED
JRA	WNJ	JRA
NO.	REVISION	DATE