

SDPC PRODUCTS • NEW HOPE, MINNESOTA
 REGISTERED BY PART NUMBER 8582
 REGISTERED UNDER THE STATE OF MINNESOTA
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ESTIMATED QUANTITIES							
ITEM NO.	SPEC NO.	ITEM	UNIT	TOTAL QUANTITIES	STREET QUANTITY	STORM SEWER QUANTITY	HIGHLAND ROAD QUANTITY
1	2021.501	MOBILIZATION	LS	1	0.62	0.20	0.18
2	2101.502	CLEAR	TREE	18	18		
3	2101.507	GRUB	TREE	18	18		
4	2104.501	REMOVE SEWER PIPE (STORM)	LF	209	209		
5	2104.501	REMOVE CONCRETE CURB & GUTTER	LF	445	445		
6	2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	SF	1,400	1,400		
7	2104.503	REMOVE CONCRETE SIDEWALK	SF	150	150		
8	2104.505	REMOVE BITUMINOUS PAVEMENT	SY	19,800	19,800		
9	2104.509	REMOVE MANHOLE OR CATCH BASIN	EACH	3	3		
10	2104.509	REMOVE SIGN	EACH	37	37		
11	2104.511	SAW CUT BITUMINOUS (FULL DEPTH)	LF	1,030	1,030		
12	2104.513	SAW CUT CONCRETE (FULL DEPTH)	LF	88	88		
13	2104.521	SALVAGE CHAIN LINK FENCE	LF	25	25		
14	2104.523	SALVAGE MAILBOX	EACH	23	23		
15	2104.523	SALVAGE SIGN	EACH	2	2		
16	2104.523	SALVAGE HYDRANT AND VALVE	EACH	10	10		
17	2105.501	COMMON EXCAVATION (P)	CY	6,611	6,611		
18	2105.521	SELECT GRANULAR BORROW (CV)	CY	1,800	1,800		
19	2211.501	AGGREGATE BASE CLASS 5, ROAD	TON	6,800	6,800		
20	2211.501	AGGREGATE BASE CLASS 5, TRAIL	TON	1,200	1,200		
21	2232.501	MILL BITUMINOUS PAVEMENT	SY	320	320		
22	2350.501	TYPE MV4 WEARING COURSE MIXTURE	TON	1,420	1,420		
23	2350.501	TYPE LV4 WEARING COURSE MIXTURE (TRAIL)	TON	540	540		
24	2350.501	TYPE MV4 WEARING COURSE MIXTURE (DRIVEWAY)	TON	100	100		
25	2350.502	TYPE LV3 NON-WEARING COURSE MIX. (BASE)	TON	1,830	1,830		
26	2501.602	12" FLARED END SECTION W/TRASHGUARD	EA	2		2	
27	2501.602	18" FLARED END SECTION W/TRASHGUARD	EA	2		2	
28	2501.602	21" FLARED END SECTION W/TRASHGUARD	EA	1		1	
29	2502.541	4" PERF PE PIPE DRAIN W/sock	LF	2,350		2,350	
30	2503.511	8" PVC PIPE SEWER SDR 26	LF	366		366	
31	2503.541	12" RC PIPE SEWER DES 3006 CL V	LF	438		438	
32	2503.541	15" RC PIPE SEWER DES 3006 CL V	LF	1,742		1,742	
33	2503.541	18" RC PIPE SEWER DES 3006 CL III	LF	1,621		1,621	
34	2503.541	21" RC PIPE SEWER DES 3006 CL III	LF	74		74	
35	2503.602	CONNECT TO EXISTING DRAINAGE STRUCTURE	EACH	1		1	
36	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	3		3	
37	2506.502	CONST DRAINAGE ST DESIGN SPECIAL 24"x36"	EACH	15		15	
38	2506.502	CONST DRAINAGE ST. DESIGN 27-4020	EACH	2		2	
39	2506.502	CONST DRAINAGE ST. DESIGN 48-4020	EACH	35		35	
40	2511.502	RANDOM RIP RAP CLASS IV	CY	170		170	
41	2521.501	4" CONCRETE SIDEWALK	SF	24,000	24,000		
42	2531.501	CONCRETE CURB AND GUTTER DESIGN B618	LF	8,200	8,200		
43	2531.507	CONCRETE DRIVEWAY PAVEMENT (6" THICK)	SY	275	275		
44	2531.507	CONCRETE DRIVEWAY PAVEMENT (8" THICK)	SY	50	50		
45	2531.507	CONCRETE DRIVEWAY APRON (6" THICK)	SY	190	190		
46	2531.507	CONCRETE DRIVEWAY APRON (8" THICK)	SY	85	85		
47	2531.604	CONCRETE VALLEY GUTTER (8" THICK)	SY	100	100		
48	2531.604	VALLEY GUTTER TRIANGULAR SECT. (8" THICK)	EACH	8	8		
49	2531.618	TRUNCATED DOMES	SF	320	320		
50	2540.602	INSTALL SALVAGED MAILBOX	EACH	23	23		
51	2557.603	INSTALL FENCE	LF	25	25		
52	2575.505	SODDING	SY	14,000	14,000		
53	2575.523	EROSION CONTROL BLANKET, CATEGORY 3	SY	1,000	1,000		
54	2563.601	TRAFFIC CONTROL	LS	1	0.62	0.20	0.18
55	2564.531	F & I SIGN PANEL	SF	300	300		
56	2564.531	F & I STREET SIGN	EACH	16	16		
57	2564.602	INSTALL SALVAGED SIGN	EACH	2	2		
58	2564.603	4" DOUBLE SOLID LINE, YELLOW - EPOXY	LF	3,900	3,900		
59	2564.603	4" SOLID LINE, WHITE - EPOXY	LF	145	145		
60	2564.603	24" STOP LINE, WHITE - EPOXY	LF	200	200		
61	2564.603	4" DOUBLE SOLID LINE, YELLOW - PAINT	LF	3,900	3,900		
62	2564.603	24" STOP LINE, WHITE - PAINT	LF	60	60		
63	2564.604	CROSSWALK MARKING - EPOXY	SY	250	250		
64	2573.502	SILT FENCE TYPE MACHINE SLICED	LF	2,270	2,260		
65	2573.530	INLET PROTECTION, TYPE A	EACH	46	46		
66	2573.530	INLET PROTECTION, TYPE C	EACH	46	46		

ESTIMATED QUANTITIES							
ITEM NO.	SPEC NO.	ITEM	UNIT	TOTAL QUANTITIES	STREET QUANTITY	STORM SEWER QUANTITY	HIGHLAND ROAD QUANTITY
1	2504.602	INSTALL SALVAGED HYDRANT & VALVE	EACH	10	10		
2	2504.602	16" X 8" WET TAP	EACH	9			9
3	2504.602	WATER SERVICE CONNECTION	EACH	18			18
4	2504.602	ADJUST VALVE BOX	EACH	3	3		
5	2504.602	WATERMAIN OFFSET	EACH	1	1		
6	2504.603	1" TYPE K COPPER PIPE	LF	900			900
7	2504.603	8" DUCTILE IRON WATERMAIN CL52	LF	559			559
8	2504.608	DUCTILE IRON FITTINGS	LB	368			368
1	2503.602	8" X 4" PVC WYE	EACH	17			17
2	2503.603	8" PVC PIPE SEWER SDR 35	LF	3,128			3,128
3	2503.603	4" PVC SERVICE PIPE SCH 40	LF	700			700
4	2506.602	CONSTRUCT SANITARY MANHOLES	EACH	13			13
5	2550.602	CORE DRILL MANHOLE	EACH	1			1

BASIS FOR EST. QUANTITIES

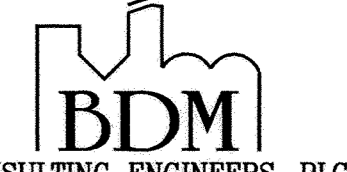
CL 5 AGG BASE: COMPACTED DRY DENSITY - 1.86 TN/CY
 BITUMINOUS PAVEMENT: TYPE 2350 - 1.98 TN/CY
 BITUMINOUS TACK COAT: 0.05 GAL/SY

NO.	DATE	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO.: 15316
 DATE: 05-02-2006

RECORD PLAN
HIGHLAND ROAD IMPROVEMENTS
ESTIMATED QUANTITIES


BDM
 CONSULTING ENGINEERS, PLC
 Engineers and Surveyors
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 Phone: (763) 786-4570
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DRAWN BY: NAB
 CHECKED BY: KJT
 DESIGNED BY: KJT
 JOB NO. 2260680

SHEET **3** SHEETS **55**