

PROPOSED STORM SEWER STRUCTURES												PROPOSED STORM SEWER PIPES						TRENCH BACKFILL C.Y.		
	DESCRIPTION	LOCATION	RIM	INV (W)	INV (E)	INV (N)	INV (S)	INV (NE)	INV (NW)	INV (SE)	INV (SW)	P	DIA.	TYPE	L	S	U/S INV.	D/S INV.	TYPE	
S 301	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	114+91.51 / 17.50' LT	620.55				617.53					P 301	12	DIP	35	1%	617.53	617.18	1	5.3
S 302	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	114+92.08 / 17.50' RT	620.61			617.18					617.08	P 302	12	RCP	8	1%	617.08	617.00	1	1.7
S 303	COMBINED SEWER MANHOLES, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	114+86.56 / 23.02' RT	621.15	610.78 (EX 27")	610.78 (EX 27")		617.00													
S 304	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	115+26.12 / 44.81' RT	620.55		615.30							P 303	10	DIP	11	1%	615.30	615.19	2	6.8
S 305	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	115+51.91 / 44.81' RT	620.50	615.10								P 304	10	RCP	15	1%	615.10	614.95	2	9.8
S 306	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	115+25.86 / 47.90' LT	620.49							615.00		P 305	10	RCP	18	1%	615.00	614.84	2	10.9
S 307	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	115+51.19 / 48.32' LT	620.36								615.25	P 306	10	DIP	18	1%	615.25	615.07	2	11.2
S 401	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	118+21.17 / 17.50' LT	620.20				617.20					P 402	12	DIP	35	1%	617.20	616.85	1	5.3
S 402	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	118+22.55 / 17.50' RT	620.17			616.85					616.75	P 403	12	RCP	8	1%	616.75	616.67	1	1.7
S 403	COMBINED SEWER MANHOLES, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	118+17.18 / 22.87' RT	620.75	611.18 (EX 24")	611.18 (EX 24")		616.67													
S 404	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	118+52.77 / 47.69' RT	620.10					616.60				P 404	10	DIP	30	1%	616.60	616.30	2	7.6
S 405	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	118+86.93 / 48.41' RT	620.09						616.40			P 405	12	RCP	31	1%	616.40	616.09	2	8.4
S 406	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	118+52.65 / 49.12' LT	619.85							615.40		P 406	10	DIP	20	1%	615.40	615.20	2	7.0
S 407	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	118+87.54 / 49.13' LT	620.00							614.60		P 407	12	RCP	19	1%	614.60	614.40	2	13.0
S 408	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	119+70.54 / 13.00' RT	620.18							615.66		P 408	12	RCP	11	1%	615.66	615.50	2	3.5
S 409	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	119+80.58 / 46.34' RT	620.06			615.73						P 409	12	RCP	23	1%	615.73	615.50	2	6.9
S 410	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	121+54.35 / 17.50' LT	619.70				616.64					P 410	12	DIP	35	1%	616.64	616.29	1	5.3
S 411	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	121+53.50 / 17.50' RT	619.70			616.29					616.19	P 411	12	RCP	7	1%	616.19	616.12	1	1.7
S 412	COMBINED SEWER MANHOLES, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	121+48.78 / 22.22' RT	620.35	611.75 (EX 18")	611.75 (EX 18")		616.12													
S 413	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	121+88.01 / 47.71' RT	619.72				615.50					P 412	10	DIP	14	1%	615.50	615.36	2	4.4
S 414	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	122+13.63 / 48.16' RT	619.76						615.50			P 413	10	DIP	14	1%	615.50	615.36	2	4.4
S 415	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	121+88.08 / 44.56' LT	619.67							615.20		P 414	10	DIP	15	1%	615.20	615.05	2	5.0
S 416	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	122+13.17 / 44.58' LT	619.70								615.20	P 415	10	DIP	15	1%	615.20	615.05	2	5.0
S 417	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	122+47.63 / 17.50' LT	619.79				616.79					P 416	12	DIP	35	1%	616.79	616.44	1	5.3
S 418	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	122+47.74 / 17.50' RT	619.79	616.34		616.44						P 417	12	DIP	48	1%	616.34	615.86	2	12.1
S 501	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	128+15.60 / 17.50' LT	619.50				616.61					P 501	12	DIP	35	1%	616.61	616.26	1	5.3
S 502	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	128+15.82 / 17.50' RT	619.55			616.26					616.16	P 502	12	RCP	6	1%	616.16	616.10	1	1.3
S 503	COMBINED SEWER MANHOLES, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	128+11.45 / 21.87' RT	620.05	610.47 (EX 30")	610.47 (EX 30")		616.10													
S 504	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	128+45.44 / 48.34' RT	619.25		615.50							P 503	12	RCP	18	1%	615.50	615.32	1	4.2
S 505	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	128+79.73 / 48.32' RT	619.25	615.50								P 504	12	DIP	18	1%	615.50	615.32	1	4.2
S 506	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	128+45.17 / 48.03' LT	619.38							615.30		P 505	12	DIP	20	1%	615.30	615.10	2	5.6
S 507	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	128+80.44 / 48.18' LT	619.36							615.30		P 506	12	DIP	17	1%	615.30	615.13	2	4.7
S 601	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	129+09.59 / 17.50' LT	619.42				616.49					P 601	12	DIP	35	1%	616.49	616.14	1	5.3
S 602	CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, WITH HALF TRAP	129+09.64 / 17.50' RT	619.42			616.14				616.04		P 602	12	RCP	7	1%	616.04	615.97	1	1.5
S 603	COMBINED SEWER MANHOLES, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	129+14.36 / 22.22' RT	619.85	610.78 (EX 24")	610.78 (EX 24")		615.97													

PLANT LIST

Sym.	Botanical Name	Common Name	Qty.	Size	Cont.
Ac fr	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple	14	4"	B & B
UI AC	Ulmus 'Accolade'	Accolade Elm	11	4"	B & B

Sym.	Botanical Name	Common Name	Qty.	Size	Cont.
Ro KO	Rosa KnockOut	KnockOut Rose	28	2 GAL.	Cont.

Sym.	Botanical Name	Common Name	Qty.	Size	Cont.
Ca ca	Campanula carpatica 'Blue Clips'	Blue Clips Harebell	208	#1	Cont.
Ge pa	Geranium pratense 'Midnight Reiter'	Midnight Reiter Geranium	72	#1	Cont.
He HR	Hemerocallis 'Happy Returns'	Happy Returns Daylily	182	#1	Cont.
He LW	Hemerocallis 'Little Wine Cup'	Little Wine Cup Daylily	163	#1	Cont.
He SO	Hemerocallis 'Stella d'Oro'	Stella d'Oro Daylily	440	#1	Cont.
He RR	Hemerocallis 'Rosy Returns'	Rosy Returns Daylily	196	#1	Cont.
Sp he	Sporobolus heterolepis 'Tara'	Dwarf Prairie Dropseed	72	#1	Cont.

VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID AND 8" VALVE

STRUCTURE NO.	STA.	OFFSET	TEE
VV101	100+80.37	4.4' RT	-
VV102	103+14.35	18.7' RT	8x4
VV201	107+24.94	4.4' RT	-
VV202	107+55.09	18.4' RT	8x4
VV301	111+49.97	4.4' RT	-
VV302	112+26.78	18.2' RT	8x6
VV303	112+45.15	4.4' RT	-
VV304	115+00.07	4.4' RT	-
VV305	115+29.96	14.6' RT	8x4
VV401	118+49.90	4.4' RT	-
VV402	118+60.26	20.0' RT	8x4
VV403	121+91.71	11.2' RT	8x6
VV501	124+83.82	4.4' RT	-
VV502	125+22.34	14.1' RT	8x8
VV503	125+74.76	4.4' RT	-
VV602	132+32.88	4.4' RT	-
VV701	135+15.69	18.1' RT	8x4
VV702	138+16.04	4.4' RT	-

VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID AND 12" VALVE

STRUCTURE NO.	STA.	OFFSET	TEE
VV601	132+10.54	11.3' RT	12x8

SUBSURFACE PAVEMENT DRAIN

SPD NO.	STATION	FROM OFFSET	STRUCT NO.	TO		LENGTH (FT)	DIA.	
				STATION	OFFSET			STRUCT NO.
1001	102+87	17.5 LT	EXISTING	102+87	17.5 RT	EXISTING	35	6
2001	105+99	17.5 LT	EXISTING	105+99	17.5 RT	EXISTING	35	6
2002	108+99	17.5 LT	EXISTING	108+99	17.5 RT	EXISTING	35	6
3001	113+16	17.5 LT	EXISTING	113+16	17.5 RT	EXISTING	35	6
3002	116+23	17.5 LT	EXISTING	116+23	17.5 RT	EXISTING	35	6
4001	119+79	17.5 LT	EXISTING	119+79	17.5 RT	EXISTING	35	6
4002	122+50	17.5 LT	S417	122+50	17.5 RT	S418	35	6
5001	125+19	38.2 LT	EXISTING	125+19	40.6 RT	EXISTING	79	6
5002	128+16	17.5 LT	S507	128+16	17.5 RT	S502	35	6
6001	132+38	17.5 LT	EXISTING	132+38	17.5 RT	EXISTING	35	6
7001	135+69	17.5 LT	EXISTING	135+69	17.5 RT	EXISTING	35	6

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

STRUCTURE NO.	STA.	OFFSET
FH101	102+75.28	24.6' LT
FH201	107+16.87	24.2' LT
FH301	115+16.40	42.5' LT
FH401	118+46.77	19.0' RT
FH402	121+81.40	18.9' LT
FH501	128+41.52	23.9' LT
FH601	131+68.15	35.86' RT
FH701	135+06.47	35.21' RT

CURED-IN-PLACE PIPE

TYPE	SIZE (IN.)	STA. / OFF.	TO	STA. / OFF.	LENGTH (FEET)
COMBO	30	125+32 / 24.69 RT		126+93 / 21.22 RT	162
COMBO	18	109+04 / 21.08 RT		111+08 / 22.64 RT	204
COMBO	18	111+08 / 22.64 RT		111+86 / 22.69 RT	78

PVC STORM AND SAN SEWER R&R 15" DIA, 41-50 FT LENGTH

STA. / OFF.	TO	STA. / OFF.	LENGTH (FEET)
107+26 / 23.01 RT		107+65 / 23.01 RT	40

SANITARY SEWER 24"

PIPE NAME	STA. / OFF.	TO	STA. / OFF.	LENGTH (FEET)	T.B.F. (CY)
P307	115+36 / 23.05 RT		116+20 / 23.15 RT	84	91
P308	116+20 / 23.15 RT		116+99 / 23.04 RT	79	58
P401	117+19 / 23.01 RT		118+17 / 22.87 RT	98	70
P418	118+17 / 22.87 RT		118+70		