

ESTIMATED QUANTITIES

STORM SEWER

DESCRIPTION	QUANTITY	UNITS
6" PVC, SCH.40, SEWER PIPE	578	L.F.
12" C-76, CLASS IV, SEWER PIPE	497	L.F.
15" C-76, CLASS IV, SEWER PIPE	403	L.F.
18" C-76, CLASS IV, SEWER PIPE	300	L.F.
21" C-76, CLASS IV, SEWER PIPE	191	L.F.
4' DIA. CATCH BASIN W/ 2' SUMP	14	EA.
6' DIA. MANHOLE	1	EA.
OUTLET CONTROL STRUCTURE	1	EA.
6' MANHOLE OVER EX. SEWER	1	EA.
24" END SECTION W/ BAR SCREEN	2	EA.
36" CMP STANDPIPE	2	EA.

SANITARY SEWER

DESCRIPTION	QUANTITY	UNITS
6" PVC, SDR 23.5, BUILDING LEAD	433	L.F.
SANITARY CLEANOUT	1	EA.
TAP/CONNECTION	1	EA.

WATER MAIN

DESCRIPTION	QUANTITY	UNITS
6" DI., CLASS 54, WATER MAIN	160	L.F.
2" COPPER BUILDING SERVICE	160	L.F.
6" GATE VALVE & WELL	1	EA.
2" STOP BOX	1	EA.
WATER MAIN CONNECTION	2	EA.

LEGEND

	EXISTING SANITARY SEWER
	SAN. CLEAN OUT
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EX. R. Y. CATCH BASIN
	EXISTING BURIED CABLES
	OVERHEAD LINES
	LIGHT POLE
	SIGN
	EXISTING GAS MAIN
	PR. SANITARY SEWER
	PR. WATER MAIN
	PR. STORM SEWER
	PR. R. Y. CATCH BASIN
	SAND BACKFILL (95% DENSITY)
	PROPOSED LIGHT POLE

Storm Drainage Structure Schedule	
Structure Name	Structure Details
#1 6' DIA MH OVER EX. SEWER	PR. RIM 99.55 PR. 21" SW. INV. 90.70 PR. 18" NW. INV. 88.00 PR. 21" SE. INV. 88.00
#2 36" CMP STANDPIPE	PR. RIM 93.75 PR. 21" NE. INV. 91.00
#3 24" END SECTION W/ BAR SCREEN & RIP-RAP	PR. RIM 93.70 PR. 21" SE. INV. 91.26
#4 36" CMP STANDPIPE	PR. RIM 94.25 PR. 21" NW. INV. 91.53
#5 24" END SECTION W/ BAR SCREEN & RIP-RAP	PR. RIM 94.02 PR. 21" SE. INV. 91.53
#6 6' DIA MH	PR. RIM 98.70 PR. 18" NE. INV. 92.20 PR. 15" SW. INV. 91.84 PR. 6" SE. INV. 91.84 PR. 6" E. INV. 94.70 PR. 21" NW. INV. 91.84
#7 4' DIA CB W/ 2' SUMP	PR. RIM 98.00 PR. 15" SW. INV. 92.12 PR. 6" SW. INV. 92.12 PR. 15" NE. INV. 92.12
#8 4' DIA CB W/ 2' SUMP	PR. RIM 98.00 PR. 12" SW. INV. 92.55 PR. 6" SE. INV. 92.55 PR. 15" NE. INV. 92.55
#9 4' DIA CB W/ 2' SUMP	PR. RIM 98.20 PR. 12" SW. INV. 93.07 PR. 6" S. INV. 93.07 PR. 12" NE. INV. 93.07
#10 4' DIA CB W/ 2' SUMP	PR. RIM 98.40 PR. 12" SE. INV. 93.30 PR. 12" NE. INV. 93.30
#11 4' DIA CB W/ 2' SUMP	PR. RIM 98.40 PR. 12" SE. INV. 93.58 PR. 12" NW. INV. 93.58
#12 4' DIA CB W/ 2' SUMP	PR. RIM 98.40 PR. 12" SE. INV. 93.90 PR. 12" NW. INV. 93.90
#13 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 12" NW. INV. 94.30
#14 4' DIA CB W/ 2' SUMP	PR. RIM 98.20 PR. 18" SE. INV. 92.34 PR. 18" NW. INV. 92.34
#15 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 18" SE. INV. 92.50 PR. 18" NW. INV. 92.50
#16 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 18" SE. INV. 92.71 PR. 18" NW. INV. 92.71
#17 4' DIA CB W/ 2' SUMP	PR. RIM 98.20 PR. 15" SW. INV. 92.98 PR. 18" NW. INV. 92.98
#18 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 15" SW. INV. 93.52 PR. 6" NW. INV. 93.52 PR. 15" NE. INV. 93.52
#19 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 12" SW. INV. 93.86 PR. 6" NW. INV. 93.86 PR. 15" NE. INV. 93.86
#20 4' DIA CB W/ 2' SUMP	PR. RIM 98.30 PR. 6" NW. INV. 94.30 PR. 12" NE. INV. 94.30
#OC OUTLET CONTROL STRUCTURE	PR. RIM 98.00 PR. 21" SW. INV. 90.83 PR. 21" NE. INV. 90.83

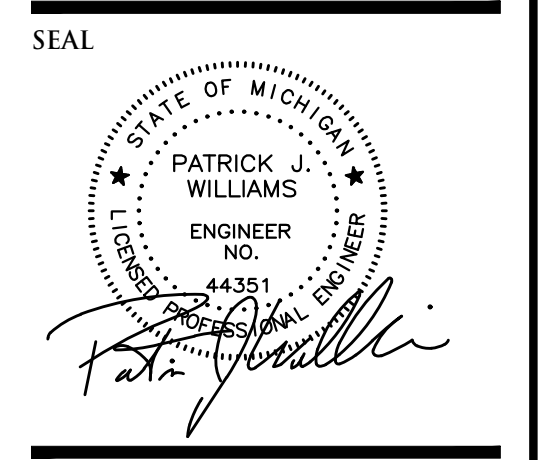
UTILITY CROSSING SCHEDULE

A	EX. ELEC. LINE 95.00 (V.I.F.) PR. 2" WM T/P 92.00 3.00' CLEARANCE	H	6" WM B/P 92.80 6" SAN T/P 92.18 0.62' CLEARANCE *INSTALL CONCRETE CRADLE AS NEEDED
B	EX. ELEC. LINE 95.00 (V.I.F.) PR. 6" WM T/P 92.00 3.00' CLEARANCE	J	6" STM B/P 92.63 6" SAN T/P 90.80 1.83' CLEARANCE
C	12" STM B/P 93.17 2" WM T/P 91.67 1.50' CLEARANCE	K	6" STM B/P 92.20 6" SAN T/P 89.68 2.52' CLEARANCE
D	12" STM B/P 93.19 6" WM T/P 91.67 1.52' CLEARANCE	L	6" STM B/P 91.92 6" SAN T/P 88.92 3.00' CLEARANCE
E	6" STM B/P 93.45 2" WM T/P 91.95 1.50' CLEARANCE	M	6" STM B/P 92.42 6" SAN T/P 88.39 4.03' CLEARANCE
F	6" STM B/P 93.50 6" WM T/P 91.95 1.55' CLEARANCE	N	6" STM B/P 93.50 2" WM T/P 92.00 1.50' CLEARANCE
G	2" WM B/P 93.10 6" SAN T/P 92.03 1.07' CLEARANCE *INSTALL CONCRETE CRADLE AS NEEDED	P	6" STM B/P 93.55 6" WM T/P 92.00 1.55' CLEARANCE



**CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS**

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PROJECT
12802 Kercheval A.K.A.
1610 Algonquin J

CLIENT
SGW Architecture &
Design

Contact: Mark Sullivan
Ph: (312) 561-5329

PROJECT LOCATION
Part of T. 2 North,
R. 11 East
City of Detroit,
Wayne County, Michigan

SHEET
Utility Plan



DATE	ISSUED/REVISED
05-23-2022	CD OWNER REVIEW SET
06-03-2022	CD QA/QC REVIEW SET
06-24-2022	CD OWNER REVIEW SET
01-09-2023	ISSUED FOR PERMIT
05-31-2023	REVISED PER CITY

DRAWN BY:
A. Eizember
DESIGNED BY:
A. Eizember
APPROVED BY:
P. Williams

DATE:
May 23, 2022

SCALE: 1" = 40'

NFE JOB NO. **K005-03** SHEET NO. **C-5**