

	PROPERTY LINE		EXISTING / PROPOSED MANHOLE
	EXISTING OVERHEAD LINES		EXISTING / PROPOSED HYDRANT
	STORM SEWER		EXISTING / PROPOSED VALVE OR STOP BOX
	EXISTING SANITARY SEWER		EXISTING / PROPOSED LIGHT POLE
	EXISTING WATER		EXISTING / PROPOSED CATCH BASIN
	PROPOSED SANITARY SEWER		PROPOSED CLEANOUT
	PROPOSED WATER		EXISTING UTILITY POLE
	UNDERGROUND ELECTRIC		UTILITY CROSSING
	GAS		
	UNDERGROUND TELEPHONE/DATA		
	PROPOSED SAND BACKFILL		

1. FOR ADDITIONAL INFORMATION REFERENCE THE STANDARD NOTES SHEET, STANDARD DETAILS SHEET(S), AND ANY MUNICIPALITY AND/OR JURISDICTIONAL NOTES/DETAILS INCLUDED WITH THIS PLAN SET.
2. ALL 6" DIAMETER SANITARY SEWER SHALL BE PVC SDR 23.5.
3. ALL SANITARY SEWER 8" DIAMETER AND LARGER SHALL BE PVC TRUSS PIPE.
4. NO FOOTING DRAINS SHALL BE CONNECTED TO THE BUILDING SEWER.
5. SEE MASTER UTILITY PLAN FOR ALL UTILITY ROUTING AND CROSSING INFORMATION.
6. NO CONNECTION RECEIVING STORM SEWER, SURFACE WATER OR GROUND WATER SHALL BE MADE TO THE SANITARY SEWER.
7. INFILTRATION FOR ANY SECTION OF SEWER BETWEEN MANHOLES SHALL NOT EXCEED 100 GALLONS/INCH DIAMETER/MILE/24 HOURS.
8. NO FOOTING DRAINS SHALL BE CONNECTED TO THE BUILDING SEWER.
9. DIFFERENTIAL EXCAVATION AROUND THE EXISTING MANHOLES SHALL NOT EXCEED SIX FEET.
10. CONTRACTOR SHALL NOTIFY THE CITY OF LIVONIA 48 HOURS PRIOR TO THE START OF CONSTRUCTION IF THE CONSTRUCTION IS WITHIN THE CITY'S RIGHT-OF-WAY OR EASEMENT.
11. ALL GREASE TRAPS MUST COMPLY WITH THE FOG ORDINANCE.

SANITARY STRUCTURE SCHEDULE				
NUMBER	TYPE	DIA. (INCH)	RIM/FG	INVERT
S200	EX MH	48	701.84	PR 10" INV. E 691.14
S201	MH	48	700.82	PR 10" INV. N 691.28 PR 10" INV. W 691.28
S202	MH	48	701.48	PR 10" INV. W 691.65 PR 10" INV. S 691.65
S203	MH	48	701.83	PR 10" INV. E 691.78
S300	MH	48	701.29	PR 8" INV. SE 688.05
S301	MH	48	701.11	PR 8" INV. E 688.13 PR 8" INV. NW 688.13
S302	MH	48	700.43	PR 8" INV. NE 688.65 PR 8" INV. W 688.65
S303	MH	48	700.92	PR 8" INV. SW 688.75

CROSSING	UPPER UTILITY		LOWER UTILITY		CLEARANCE	NOTES
	TYPE	B/P ELEV	TYPE	T/P ELEV		
X1	24" ST	693.67	10" EX SAN	688.40	5.27'	FIELD VERIFY EX. SANITARY
X2	18" ST	696.66	12" EX WM	TBD	TBD	VERIFY WM DEPTH, DIP IF NEEDED
X3	15" ST	697.70	12" EX WM	TBD	TBD	VERIFY WM DEPTH, DIP IF NEEDED
X4	12" ST	695.39	6" SAN	TBD	TBD	VERIFY WITH MEP PLANS
X5	ELEC	699.79	### SAN	#N/A	#N/A	
X6	ELEC	699.46	36" ST	696.58	2.87'	
X7	ELEC	699.42	10" SAN	TBD	TBD	FIELD VERIFY SAN DEPTH

<p> <b>CURVE BENCHMARK:</b>  <b>GSS PID:</b> DI6221  <b>ELEVATION:</b> 705.42 (NAVD88)         </p>	<p> <b>SITE BM #3:</b>  <b>ARROW ON FIRE HYDRANT IN CURB ISLAND</b>  <b>AT SOUTHWEST PROPERTY CORNER</b>  <b>ELEVATION:</b> 701.22 (NAVD88)         </p>
<p> <b>SITE BM #1:</b>  <b>ARROW ON FIRE HYDRANT IN CURB ISLAND</b>  <b>NORTH OF SOUTHERLY BUILDING</b>  <b>ELEVATION:</b> 704.36 (NAVD88)         </p>	<p> <b>SITE BM #4:</b>  <b>ARROW ON FIRE HYDRANT IN CURB ISLAND</b>  <b>WEST OF KROGER BUILDING</b>  <b>ELEVATION:</b> 704.25 (NAVD88)         </p>
<p> <b>SITE BM #2:</b>  <b>ARROW ON FIRE HYDRANT IN CURB ISLAND</b>  <b>EAST OF KROGER BUILDING</b>  <b>ELEVATION:</b> 704.88 (NAVD88)         </p>	

