

	PROPERTY LINE		EXISTING / PROPOSED MANHOLE
	EXISTING STORM SEWER		EXISTING / PROPOSED LIGHT POLE
	PROPOSED STORM SEWER		EXISTING / PROPOSED CATCH BASIN
	PROPOSED EDGE DRAIN (DETAIL ON XX)		PROPOSED CLEANOUT
	SANITARY SEWER		EXISTING UTILITY POLE
	WATER		
	UNDERGROUND ELECTRIC		
	GAS		
	UNDERGROUND TELEPHONE/DATA		
	PROPOSED BACKFILL (SEE NOTES)		

1. FOR ADDITIONAL INFORMATION REFERENCE THE ATTACHED CITY OF PLYMOUTH TOWNSHIP STANDARD DETAILS.
2. REFER TO PLYMOUTH TOWNSHIP STANDARD GRADING, DRAINAGE, AND SURFACING DETAILS FOR STORM STRUCTURE TYPES.
3. SEE MASTER UTILITY PLAN FOR CROSSING INFORMATION AND UTILITY ROUTING.
4. REFER TO SHEET C1-5.1 FOR STORMWATER CALCULATIONS.
5. REFER TO SHEET C1-5.4 FOR DETENTION.
6. REFER TO SHEET C1-5.5 MECHANICAL PREP-TREATMENT UNIT DETAILS.
7. PROVIDE A TOTAL OF 40-LF OF UNDERDRAIN AT DRAINAGE STRUCTURES. PIPE UNDERDRAIN SHALL BE EIGHT (8) INCH DIAMETER PERFORATED PLASTIC UNDERDRAIN PIPE PLACED IN A TRENCH BACKFILLED WITH 10A STONE FILL DEPTH UNDERDRAIN SHALL BE EITHER ASS. PIPE OR PIPE WITH MINIMUM 1/8" HOLES. MINIMUM COVERING THICKNESS OF 1000 LB/LSY.
8. SEWER & WATER MAIN CROSSINGS SHALL PROVIDE MINIMUM 18-INCHES BETWEEN TOP/BOTTOM OF PIPES.

STORM STRUCTURE SCHEDULE					
NUMBER	TYPE	DIA. (INCH)	RIM/FG	INVERT	
R22	MH	48	700.07	PR 12" INV.	N 696.32
R22A	CO	6	701.56	PR 12" INV.	SE 696.32
R23	WYE			PR 12" INV.	N 696.34
				PR 12" INV.	S 696.34
				PR 12" INV.	E 696.34
R24	WYE			PR 12" INV.	S 696.47
				PR 8" INV.	N 696.74
				PR 8" INV.	E 696.74
R25	WYE			PR 6" INV.	N 697.05
				PR 8" INV.	S 696.92
				PR 8" INV.	E 696.92
R26	WYE			PR 6" INV.	S 697.35
				PR 6" INV.	N 697.35
				PR 8" INV.	E 697.22
R27	CB	48	700.45	PR 24" INV.	E 693.64
				PR 24" INV.	W 693.64
R28	CB	48	702.38	PR 15" INV.	SE 697.99
R29	MH	48	701.21	PR 24" INV.	N 693.77
				PR 24" INV.	W 693.67
R30	CB	48	701.55	PR 24" INV.	S 694.23
				PR 24" INV.	N 694.23
R31	MH	48	701.62	PR 24" INV.	S 695.19
				EX 15" INV.	E 695.56
R33	EX CB	48	697.76	EX 15" INV.	SE 692.78
RD1	ROOF			PR 6" INV.	E 695.37
RD2	ROOF			PR 6" INV.	E 699.27
RD3	ROOF			PR 6" INV.	E 699.01
RD4	ROOF			PR 6" INV.	E 699.11
RD5	ROOF			PR 6" INV.	E 699.35
RD6	ROOF			PR 6" INV.	S 698.96
RD7	ROOF			PR 12" INV.	W 696.36
RD8	ROOF			PR 8" INV.	W 696.77
RD9	ROOF			PR 8" INV.	W 696.95
RD10	ROOF			PR 8" INV.	W 697.25

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

ALL PRIVATE UTILITY
MANHOLE COVERS
SHALL NOT CONTAIN
CITY OF LIVONIA LOGO

