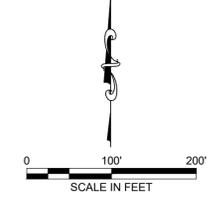
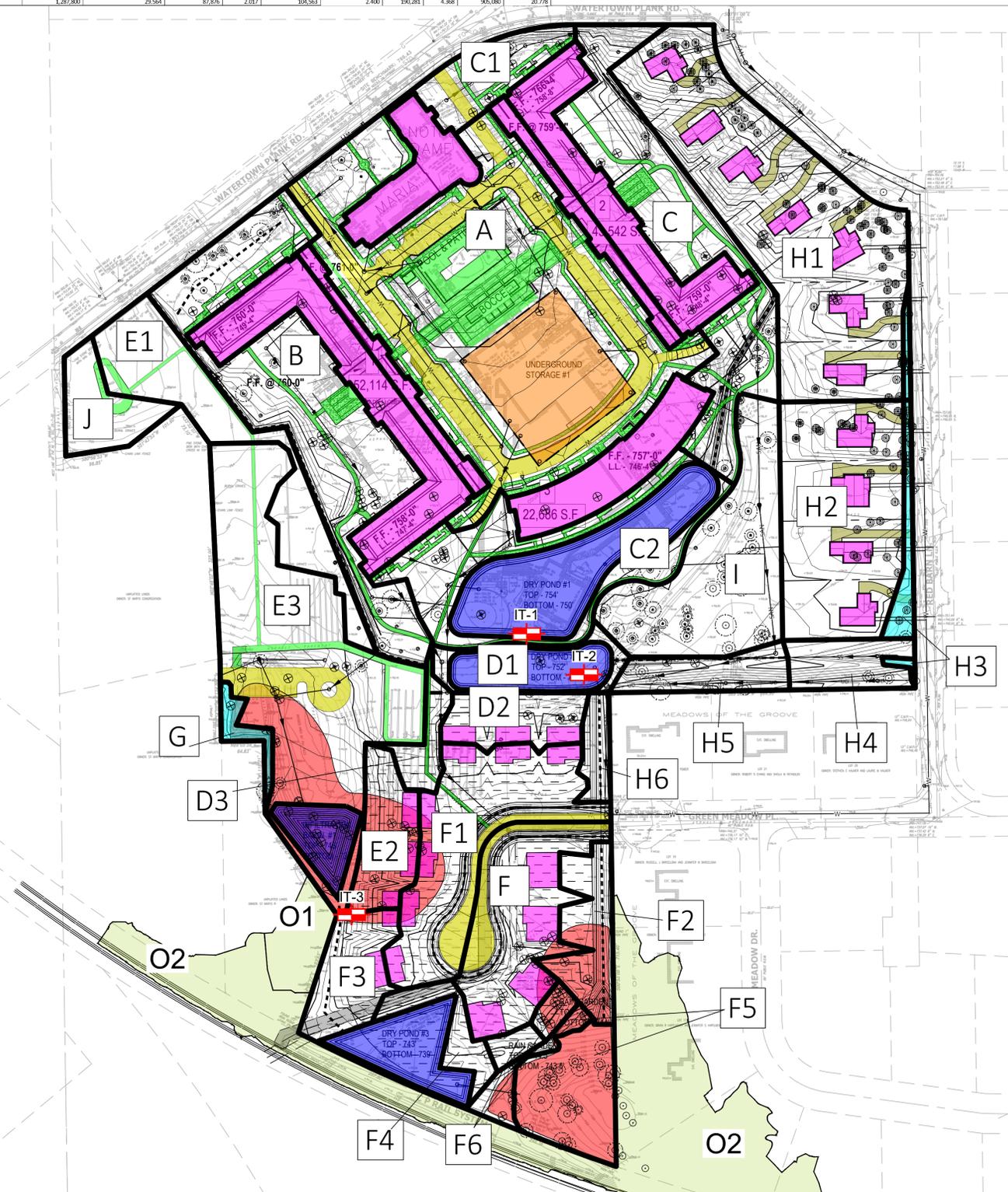


SUB CATCHMENT	BMP	TOTAL AREA (SF)	TOTAL AREA (AC)	WALKS (SF)	WALKS (AC)	PARKING/ROADS (SF)	PARKING/ROADS (AC)	ROOFS (SF)	ROOFS (AC)	LANDSCAPE (SF)	LANDSCAPE (AC)
A	UG#1	227,383	5.220	46,354	1.064	45,317	1.040	38,734	0.889	96,978	2.226
B (Roof to Dry Pond #1)	DRY POND #2 INFILTRATION BASIN #1	123,423	2.948	9,337	0.214	-	-	42,864	0.981	76,242	1.750
C	DRY POND #1	122,293	2.922	8,608	0.199	-	-	32,933	0.756	89,372	2.068
C1	DRY POND #1	18,774	0.430	2,240	0.051	1,774	0.041	-	-	14,290	0.328
C2	DRY POND #1	77,290	1.774	9,728	0.223	-	-	23,739	0.545	43,823	1.006
D1	DRY POND #2	20,896	0.479	-	-	-	-	-	-	20,896	0.479
D2	DRY POND #2	16,636	0.382	-	-	-	-	4,215	0.097	12,421	0.285
D3	INFILTRATION BASIN #1	8,234	0.189	3,062	0.070	-	-	-	-	7,172	0.165
E1	INFILTRATION BASIN #1	39,552	0.908	2,363	0.054	-	-	-	-	37,189	0.858
E2	INFILTRATION BASIN #1	18,887	0.434	-	-	-	-	3,503	0.080	15,384	0.353
E3	INFILTRATION BASIN #1	109,219	2.507	6,532	0.150	8,300	0.191	-	-	94,387	2.167
F	DRY POND #3	43,646	1.002	1,002	0.023	12,277	0.282	11,236	0.258	18,133	0.417
F1	DRY POND #3	54,287	1.245	504	0.012	19,590	0.450	9,963	0.226	25,130	0.599
F2	SOUTHERN HOMES EAST SWALE	18,888	0.434	-	-	-	-	-	-	18,888	0.434
F3	DRY POND #3	20,255	0.466	-	-	-	-	2,087	0.048	18,128	0.416
F4	DRY POND #3	26,797	0.615	-	-	-	-	-	-	26,797	0.615
F5	EXISTING SOUTHEAST BASIN	31,282	0.718	-	-	-	-	-	-	31,282	0.718
F6	DRY POND #3	6,642	0.152	-	-	-	-	-	-	6,642	0.152
G	OFFSITE	4,482	0.103	-	-	-	-	-	-	4,482	0.103
H1	DRY POND #1	114,743	2.634	-	-	9,481	0.218	13,229	0.304	92,033	2.113
H2	SOUTHERN HOMES EAST SWALE	65,303	1.499	-	-	4,833	0.111	7,898	0.181	52,572	1.207
H3	OFFSITE	7,424	0.170	-	-	1,041	0.024	-	-	6,383	0.147
H4	SOUTHERN HOMES EAST SWALE	13,718	0.315	-	-	-	-	-	-	13,718	0.315
H5	SOUTHERN HOMES EAST SWALE	14,502	0.333	-	-	-	-	-	-	14,502	0.333
H6	SOUTHERN HOMES EAST SWALE	6,074	0.139	-	-	-	-	-	-	6,074	0.139
I*	DRY POND #2	56,129	1.289	-	-	-	-	-	-	56,129	1.289
J*	OFFSITE	15,351	0.352	1,360	0.031	-	-	-	-	13,991	0.321
O1**	INFILTRATION BASIN #1	11,697	0.269	-	-	-	-	-	-	11,697	0.269
O2**	EXISTING SOUTHEAST BASIN	132,678	3.046	-	-	-	-	3,040	0.070	129,638	2.976
TOTAL WITHOUT O1 & O2		1,287,800	29.564	87,876	2.017	104,563	2.400	190,281	4.368	906,080	20.778

TOTAL PROPERTY INCLUDING UNDISTURBED AREAS = 1,287,800, without I & J TOTAL AREA = 1,216,320  
 \* WITHIN PROPERTY BOUNDARY BUT UNDISTURBED  
 \*\* OFFSITE COMING ONSITE  
 \*\*\* CONSERVATIVE Tc OF 6 MINUTES WERE USED FOR MAJORITY OF AREAS ON THE PROPERTY  
 \*\*\*\* CN VALUES OF 98 WERE USED FOR ALL IMPERVIOUS AREAS AND CN OF 74 WAS USED FOR LANDSCAPED AREAS



LEGEND

- CATCHMENT AREA BOUNDARY
- EXISTING GRADING CONTOUR
- APPROXIMATE GRAVEL PIT LOCATIONS PER NRCS WEB SOIL SURVEY
- WALKS
- ROADS
- ROOFS
- PONDS
- AREA LEAVING SITE UNTREATED
- UNDERGROUND DETENTION FOOTPRINT
- LANDSCAPING
- SWALE
- STORM SEWER
- STORM MANHOLE
- IT-X  
GZA INFILTRATION TEST LOCATIONS  
\*SEE TABLE BELOW FOR RESULTS

INFILTRATION RESULTS TABLE

Pond Designation	Test Designation	Range of Infiltration Rates (in/hr)	Stabilized Infiltration Rate (in/hr)
Dry Pond 1	Test Pit 1	12.8 to 21.2	12.9
Dry Pond 2	Test Pit 2	1.0 to 1.5	1.0
Infiltration Basin #1	Test Pit 3	10.8 to 19.0	10.8

Notes:  
1) in/hr = inches per hour.

PROJECT TITLE: SCHOOL SISTERS OF NOTRE DAME DEVELOPMENT  
 PRELIMINARY DESIGN, NOT FOR CONSTRUCTION

CLIENT: MANDEL GROUP, INC.

PROJECT LOCATION: 13105 WATERTOWN PLANK RD.  
 ELM GROVE, WI 53122

REVISIONS	DATE	DESCRIPTION

DRAWN BY: JLA DATE: 12/14/2020  
 CHECKED BY: APS DATE: 12/14/2020

SITE TITLE  
 STORM WATER MANAGEMENT PLAN  
 PROPOSED CONDITIONS

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