



LEGEND

- CATCHMENT AREA BOUNDARY
- TC PATH
- 1.00% SLOPE OF TC PATH SEGMENT
- EXISTING GRADING CONTOUR

NOTE: TC PATH EXHIBITS SHEET FLOW FIRST APPROX. 100', THEN SHALLOW CONCENTRATED FLOW (FLOW DEPTH 0.1' - 0.5')

EXISTING DRAINAGE AREAS								
DRAINAGE AREA	AREA PERVIOUS (SF)	AREA IMPERVIOUS (SF)	AREA ROOF (SF)	AREA TOTAL (SF)	AREA TOTAL (ACRES)	CN (WEIGHTED)	T _c (MIN)	DRAINAGE DIRECTION
A	156,438	-	-	156,438	3.59	74	15.6	SOUTHWEST INFILTRATION BASIN GREEN MEADOW PL CUL DE SAC
B	104,065	22,056	15,016	141,137	3.24	80	9.6	
C1	12,661	-	-	12,661	0.29	74	11.4	SWALE BETWEEN LOTS 21 & 22
C2	6,618	-	-	6,618	0.15	74	10.4	SWALE BETWEEN LOTS 20 & 21
C3	18,962	-	-	18,962	0.44	74	11.8	SWALE ON LOT 20
C4	33,221	-	-	33,221	0.76	74	13.6	SWALE ALONG RED BARN LN.
D	24,345	-	-	24,345	0.56	74	10.2	RED BARN LANE
E	117,151	21,607	-	138,758	3.19	78	10.6	DEPRESSION IN TREELINE (SOUTH OF EAST PARKING LOT)
F	13,305	-	-	13,305	0.31	74	7.4	DEPRESSION IN TREELINE (NORTH OF EAST PARKING LOT)
G	56,727	10,244	-	66,971	1.54	78	12.7	MIDDLE OF PARKING LOT
H	1,084	15,063	-	16,147	0.37	96	6.0	SOUTH OF PARKING LOT
I	4,275	5,059	1,148	10,482	0.24	88	6.0	LOWSPOT TO NORTHEAST OF BUILDING
J	798	40	-	838	0.02	75	6.0	WATERTOWN PLANK ROAD BRICK PATH NORTH OF BUILDING
K	9,600	1,816	17,190	28,606	0.66	90	9.8	
L	36,454	7,269	-	43,723	1.00	78	11.4	DEPRESSION NORTHWEST OF BUILDING
M	53,002	-	-	53,002	1.22	74	15.2	GRAVEL PIT
N	6,111	505	-	6,616	0.15	76	6.4	INLET EAST OF BUILDING
O	9,468	4,653	4,584	18,705	0.43	86	10.4	INLET EAST OF BUILDING
P	3,636	878	13,877	18,391	0.42	93	6.0	INLET EAST OF BUILDING
Q	6,396	1,162	7,365	14,923	0.34	88	6.0	INLET EAST OF BUILDING
R	4,279	5,420	11,025	20,724	0.48	93	10.5	INLET EAST OF BUILDING
S	-	808	4,491	5,299	0.12	88	6.0	INLET EAST OF BUILDING
T	21,454	14,191	-	35,645	0.82	84	11.4	DEPRESSION EAST OF INLETS
U	14,032	1,519	-	15,551	0.36	76	7.0	WATERTOWN PLANK ROAD/ O'DONOHUE'S
V	2,290	7,676	16,533	26,499	0.61	96	6.0	INLET WEST OF BUILDING
W	54,767	17,055	3,625	75,447	1.73	81	9.3	DEPRESSION WEST OF BUILDING
X	79,699	21,341	3,130	104,170	2.39	80	13.0	DEPRESSION WEST OF BUILDING
Y	12,489	-	-	12,489	0.29	74	6.0	LOW SPOT SOUTH OF TREE LINE
Z	157,056	11,071	-	168,127	3.86	76	15.8	SOUTHWEST INFILTRATION BASIN
O1*	11,697	-	-	11,697	0.27	74	6.0	SOUTHWEST INFILTRATION BASIN
O2*	129,638	-	3,040	132,678	3.05	75	12.2	SOUTHEAST INFILTRATION BASIN
TOTAL (SITE)	1,020,383	169,433	97,984	1,287,800	29.564			

NOTE: *DENOTES OFFSITE FLOW COMING ONSITE

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
EXISTING CONDITIONS