

EXISTING CONDITIONS LEGEND

- WATERSHED BOUNDARY
- TIME OF CONCENTRATION
- REACH
- #### CATCHMENT AREA
- #### REACH
- #### POINT OF ANALYSIS
- #### STORMWATER TREATMENT/DETENTION POND
- HSG #
- HSG #

LEGEND

- EXISTING
- PROPERTY LINE/O.W.
 - ABUTTER LINE/O.W.
 - DEED LINE/O.W.
 - SETBACK
 - ▭ BUILDING
 - ▭ EDGE PAVEMENT
 - ▭ EDGE GRAVEL
 - TREELINE
 - CONTOURS
 - STONE WALL

TIME OF CONCENTRATION PATH TABLE

SUBCATCHMENT	PATH	FLOW TYPE	LENGTH	SLOPE	TIME OF CONCENTRATION (MINUTES)
1.0S	A TO B	SHEET	81	4.60%	13.4
	B TO C	SHALLOW	120	10.00%	1.3
	C TO D	SHALLOW	28	50.00%	0.1
	D TO E	SHALLOW	215	1.00%	2.2
	E TO F	SHALLOW	96	5.50%	1.4
	F TO G	SHALLOW	49	14.00%	0.3
	G TO H	SHALLOW	76	6.00%	0.3
	H TO I	SHALLOW	62	10.00%	0.2
	I TO J	PIPE	35	3.14%	0.1
	J TO K	SHALLOW	55	10.00%	0.2
	K TO L	SHALLOW	139	11.00%	0.3
TOTAL	-	-	-	-	19.8
2.0S	A TO B	SHEET	28	29.00%	2.7
	B TO C	SHALLOW	22	9.00%	0.2
	C TO D	SHALLOW	38	40.00%	0.2
	D TO E	SHALLOW	133	0.80%	5.0
	E TO F	SHALLOW	57	25.00%	0.4
	TOTAL	-	-	-	-
2.1S	A TO B	SHEET	150	4.76%	21.7
	B TO C	SHALLOW	152	4.70%	2.3
	C TO D	SHALLOW	102	10.00%	1.1
	TOTAL	-	-	-	-
3.0S	A TO B	SHEET	150	5.00%	21.3
	B TO C	SHALLOW	557	7.00%	7.0
	C TO D	SHALLOW	205	4.00%	3.4
	TOTAL	-	-	-	-

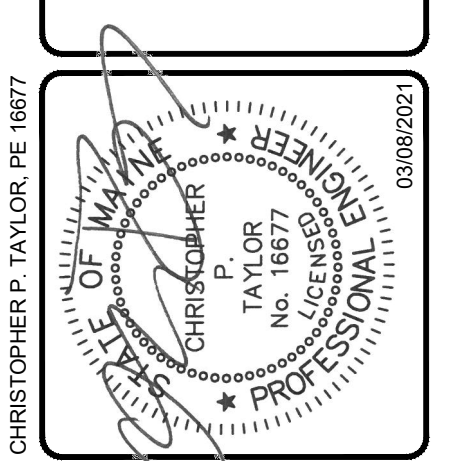
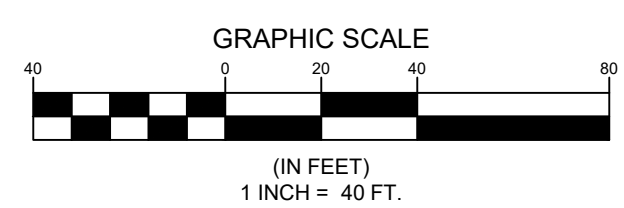
SOIL TYPES

SYMBOL	SOIL SERIES	PHASE	SLOPE	HSG	DRAINAGE CLASS
HgB	HERMON	SANDY LOAM	3-8%	A	SOMEWHAT EXCESSIVELY DRAINED
HgC	HERMON	SANDY LOAM	8-15%	A	SOMEWHAT EXCESSIVELY DRAINED
HhB	HERMON	SANDY LOAM	0-8%	A	SOMEWHAT EXCESSIVELY DRAINED
HhC	HERMON	SANDY LOAM	8-15%	A	SOMEWHAT EXCESSIVELY DRAINED
PIB	PERU	FINE SANDY LOAM	0-8%	C/D	MODERATELY WELL DRAINED
PIC	PERU	FINE SANDY LOAM	8-15%	C/D	MODERATELY WELL DRAINED

- NOTES:**
- EXISTING CONDITIONS INFORMATION IS BASED ON AN ELECTRONIC SURVEY FILE PREPARED BY HOLDEN ENGINEERING AND SURVEYING, INC. IN SEPTEMBER 2020. TOPOGRAPHIC INFORMATION IS BASED ON A COMBINATION OF SURVEYED DATA WITHIN THE LIMITS OF PROPOSED WORK, AND LIDAR INFORMATION.
 - ON-SITE SOIL INFORMATION IS BASED ON THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS) CUSTOM SOIL RESOURCE REPORT FOR CUMBERLAND AND PARTS OF OXFORD COUNTY, MAINE, DATED NOVEMBER 4, 2020.

STORMWATER PEAK DISCHARGE SUMMARY TABLE

POINT OF ANALYSIS	2-YEAR STORM		10-YEAR STORM		25-YEAR STORM		50-YEAR STORM	
	PRE (CFS)	POST (CFS)	PRE (CFS)	POST (CFS)	PRE (CFS)	POST (CFS)	PRE (CFS)	POST (CFS)
POA-1	0.8	0.4	2.6	1.0	4.4	1.4	6.1	2.3
POA-2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
POA-3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0



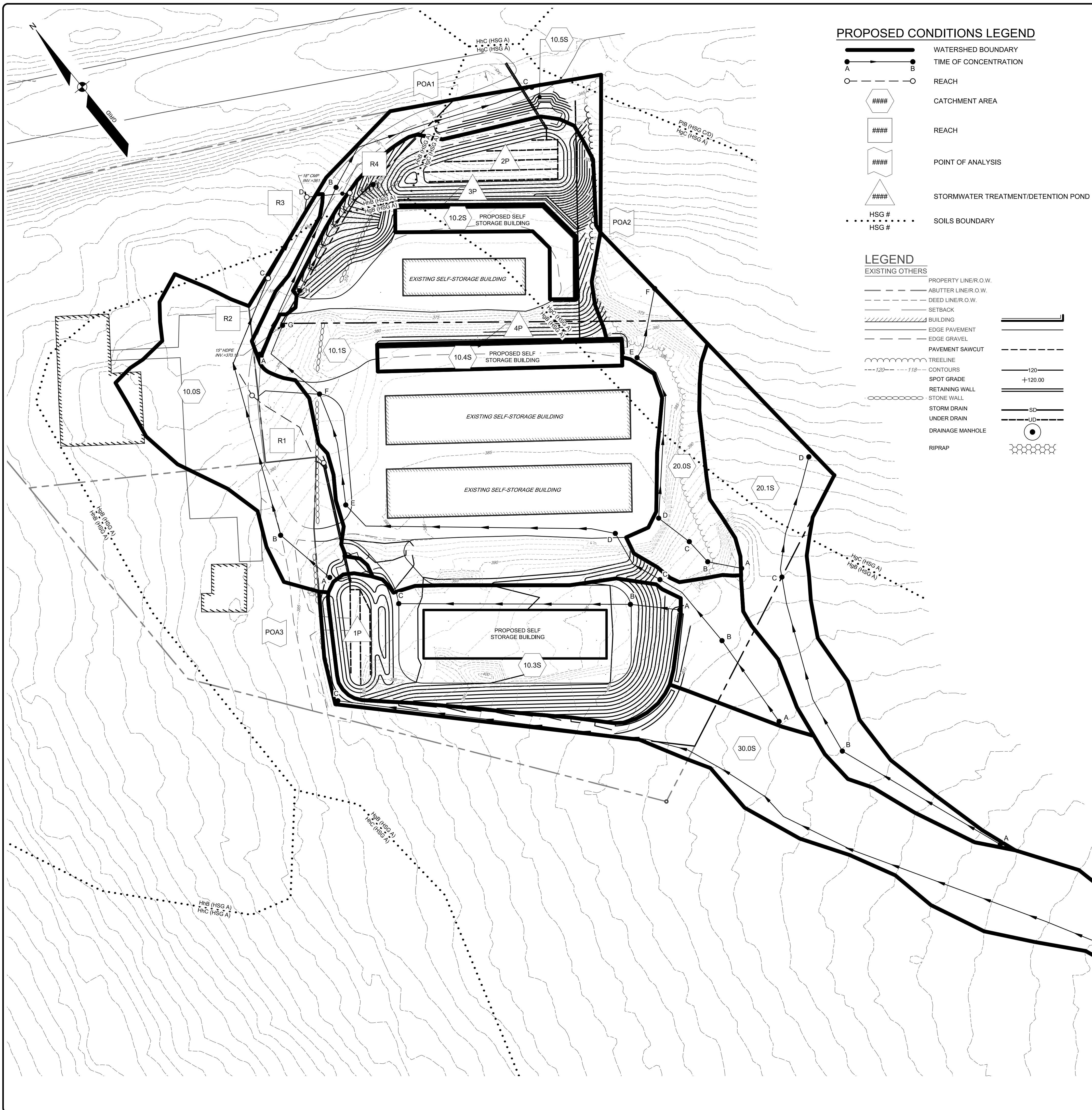
REV	BY	DATE	STATUS	REVISION
A	CPT	03/08/2021	SUBMIT FOR TOWN AND MAINE DEP REVIEW	

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SEBAGO TECHNICS
 75 John Roberts Rd.
 South Portland, ME 04106
 Tel. 207-200-2100
 WWW.SEBAGOTECHNICS.COM

EXISTING CONDITIONS SWM PLAN
 OF:
 NAPLES SELF-STORAGE
 17 SERENITY HILL ESTATES
 NAPLES, ME 04055
 FOR:
 NAPLES SELF-STORAGE, LLC
 4023 DEAN MARTIN DRIVE
 LAS VEGAS, NV 89103

DESIGNED	DJS
DRAWN	DJS
CHECKED	CPT
DATE	03/08/2021
SCALE	1" = 40'
PROJECT	20522



PROPOSED CONDITIONS LEGEND

- WATERSHED BOUNDARY
- TIME OF CONCENTRATION
- REACH
- #### CATCHMENT AREA
- #### REACH
- #### POINT OF ANALYSIS
- #### STORMWATER TREATMENT/DETENTION POND
- HSG #
- HSG #

LEGEND

- EXISTING OTHERS**
- PROPERTY LINE/R.O.W.
 - ABUTTER LINE/R.O.W.
 - DEED LINE/R.O.W.
 - SETBACK
 - ▭ BUILDING
 - EDGE PAVEMENT
 - EDGE GRAVEL
 - PAVEMENT SAWCUT
 - TREELINE
 - CONTOURS
 - SPOT GRADE
 - RETAINING WALL
 - STONE WALL
 - STORM DRAIN
 - UNDER DRAIN
 - DRAINAGE MANHOLE
 - RIPRAP

TIME OF CONCENTRATION PATH TABLE

SUBCATCHMENT	PATH	FLOW TYPE	LENGTH	SLOPE	TIME OF CONCENTRATION (MINUTES)
10.0S	A TO B	SHEET	63	8.00%	8.8
	B TO C	SHALLOW	213	5.00%	0.8
	C TO D	SHALLOW	74	8.00%	0.3
	TOTAL	-	-	-	9.9
10.1S	A TO B	SHEET	81	4.60%	13.4
	B TO C	SHALLOW	72	5.00%	1.1
	C TO D	SHALLOW	54	50.00%	0.2
	D TO E	SHALLOW	228	1.00%	1.9
	E TO F	SHALLOW	94	5.00%	1.4
	F TO G	SHALLOW	77	10.00%	0.8
	G TO H	PIPE	32	3.80%	0.0
	H TO I	SHALLOW	107	8.00%	0.4
	TOTAL	-	-	-	19.2
	10.2S	A TO B	DIRECT	-	-
TOTAL		-	-	-	6.0
A TO B		SHEET	41	33.00%	1.6
10.3S	B TO C	SHALLOW	190	1.00%	1.6
	C TO D	DIRECT	-	-	2.8
	TOTAL	-	-	-	6.0
	A TO B	DIRECT	-	-	6.0
10.4S	TOTAL	-	-	-	6.0
	A TO B	SHEET	150	8.00%	1.0
	B TO C	SHALLOW	188	8.00%	0.5
10.5S	C TO D	DIRECT	-	-	4.5
	TOTAL	-	-	-	6.0
	A TO B	SHEET	28	29.00%	2.7
	B TO C	SHALLOW	22	9.00%	0.2
	C TO D	SHALLOW	38	40.00%	0.2
20.0S	D TO E	SHALLOW	133	0.80%	5.0
	E TO F	SHALLOW	57	25.00%	0.4
	TOTAL	-	-	-	8.5
	A TO B	SHEET	150	4.78%	21.7
	B TO C	SHALLOW	152	4.70%	2.3
20.1S	C TO D	SHALLOW	102	10.00%	1.1
	TOTAL	-	-	-	25.1
	A TO B	SHEET	150	3.64%	24.1
	B TO C	SHALLOW	557	4.78%	8.5
30.1S	C TO D	SHALLOW	216	3.60%	7.6
	TOTAL	-	-	-	40.2

SOIL TYPES

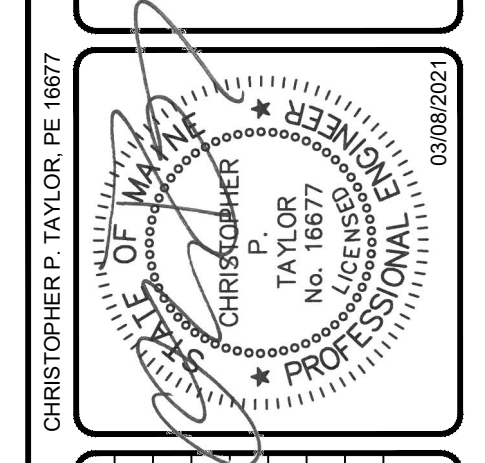
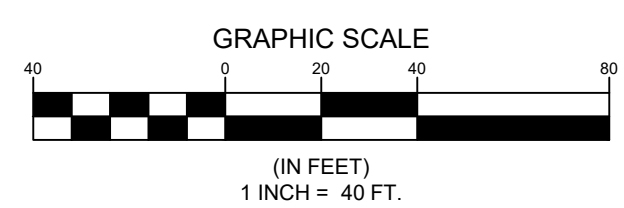
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POA-2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
POA-3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0



CHRISTOPHER TAYLOR, P.E. 18677
 TAYLOR
 No. 18677
 PROFESSIONAL ENGINEER
 STATE OF MAINE
 CIVIL ENGINEER
 03/08/2021

REVISIONS:

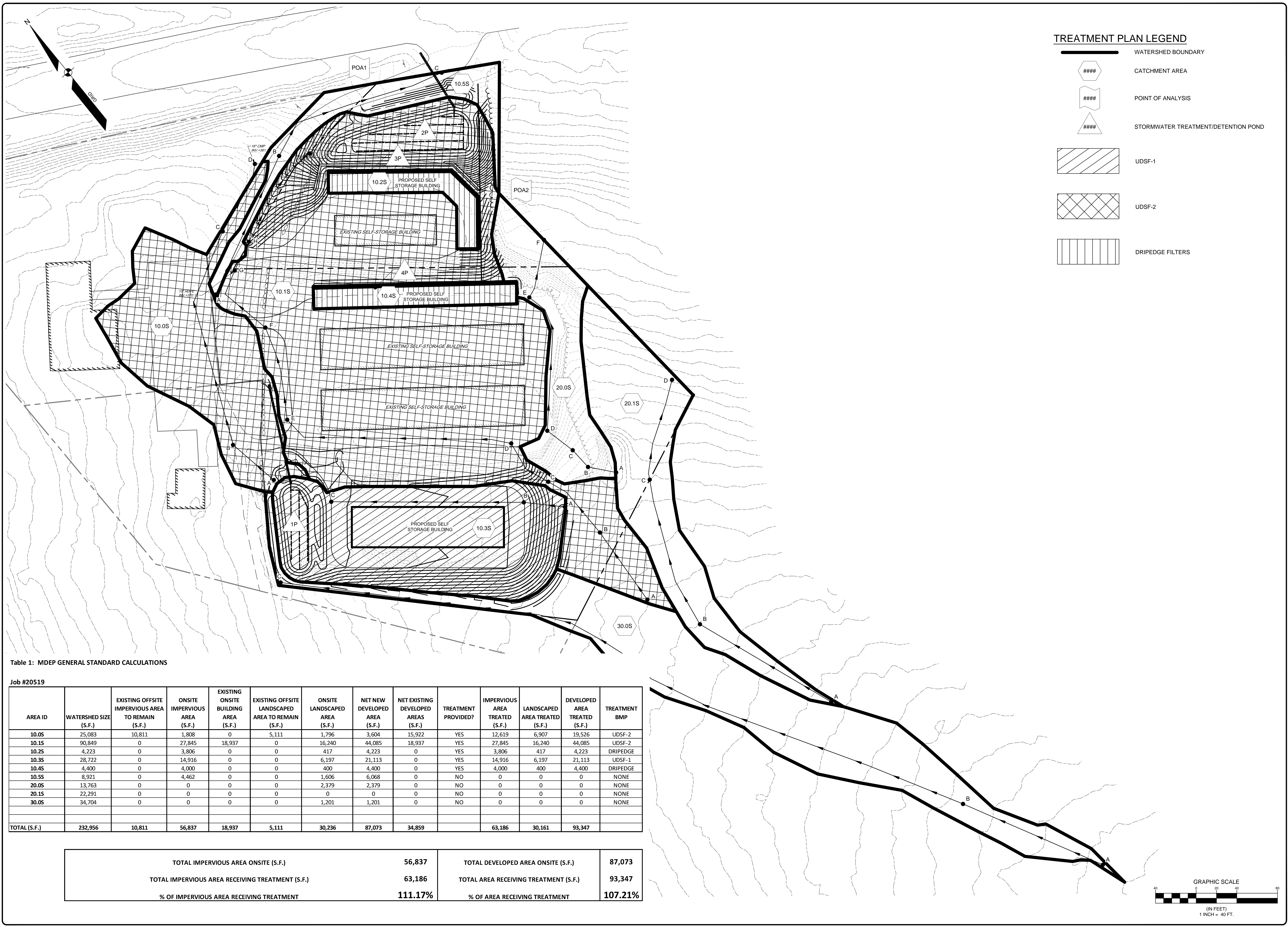
NO.	DATE	DESCRIPTION
1	03/08/2021	SUBMIT FOR TOWN AND MAINE DEP REVIEW

REV. BY: DATE: STATUS: THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.



PROPOSED CONDITIONS SWM PLAN
 OF:
NAPLES SELF-STORAGE
 17 SERENITY HILL ESTATES
 NAPLES, ME 04055
 FOR:
NAPLES SELF-STORAGE, LLC
 4023 DEAN MARTIN DRIVE
 LAS VEGAS, NV 89103

DESIGNED	DJS
DRAWN	DJS
CHECKED	CPT
DATE	03/08/2021
SCALE	1" = 40'
PROJECT	20522



TREATMENT PLAN LEGEND

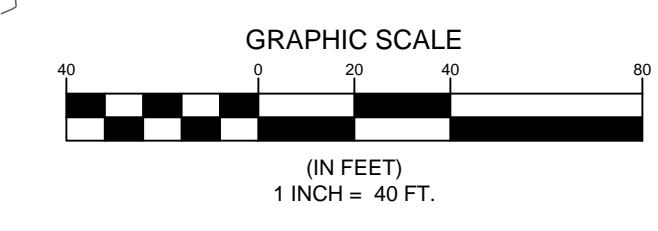
- WATERSHED BOUNDARY
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- STORMWATER TREATMENT/DETENTION POND
- UDSF-1
- UDSF-2
- DRIPEDGE FILTERS

Table 1: MDEP GENERAL STANDARD CALCULATIONS

Job #20519

AREA ID	WATERSHED SIZE (S.F.)	EXISTING OFFSITE IMPERVIOUS AREA TO REMAIN (S.F.)	ONSITE IMPERVIOUS AREA (S.F.)	EXISTING ONSITE BUILDING AREA (S.F.)	EXISTING OFFSITE LANDSCAPED AREA TO REMAIN (S.F.)	ONSITE LANDSCAPED AREA (S.F.)	NET NEW DEVELOPED AREA (S.F.)	NET EXISTING DEVELOPED AREAS (S.F.)	TREATMENT PROVIDED?	IMPERVIOUS AREA TREATED (S.F.)	LANDSCAPED AREA TREATED (S.F.)	DEVELOPED AREA TREATED (S.F.)	TREATMENT BMP
10.0S	25,083	10,811	1,808	0	5,111	1,796	3,604	15,922	YES	12,619	6,907	19,526	UDSF-2
10.1S	90,849	0	27,845	18,937	0	16,240	44,085	18,937	YES	27,845	16,240	44,085	UDSF-2
10.2S	4,223	0	3,806	0	0	417	4,223	0	YES	3,806	417	4,223	DRIPEDGE
10.3S	28,722	0	14,916	0	0	6,197	21,113	0	YES	14,916	6,197	21,113	UDSF-1
10.4S	4,400	0	4,000	0	0	400	4,400	0	YES	4,000	400	4,400	DRIPEDGE
10.5S	8,921	0	4,462	0	0	1,606	6,068	0	NO	0	0	0	NONE
20.0S	13,763	0	0	0	0	2,379	2,379	0	NO	0	0	0	NONE
20.1S	22,291	0	0	0	0	0	0	0	NO	0	0	0	NONE
30.0S	34,704	0	0	0	0	1,201	1,201	0	NO	0	0	0	NONE
TOTAL (S.F.)	232,956	10,811	56,837	18,937	5,111	30,236	87,073	34,859		63,186	30,161	93,347	

TOTAL IMPERVIOUS AREA ONSITE (S.F.)	56,837	TOTAL DEVELOPED AREA ONSITE (S.F.)	87,073
TOTAL IMPERVIOUS AREA RECEIVING TREATMENT (S.F.)	63,186	TOTAL AREA RECEIVING TREATMENT (S.F.)	93,347
% OF IMPERVIOUS AREA RECEIVING TREATMENT	111.17%	% OF AREA RECEIVING TREATMENT	107.21%



CHRISTOPHER P. TAYLOR, P.E. 16677

A	CPT	03/08/2021	STATUS: SUBMIT FOR TOWN AND MAINE DEP REVIEW
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SEBAGO
TECHNIQS

75 John Roberts Rd.
Sullivan, IA
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TREATMENT PLAN
OF:
NAPLES SELF-STORAGE
17 SERENITY HILL ESTATES
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FOR:
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4023 DEAN MARTIN DRIVE
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