

LEGEND

- EXISTING PROPERTY LINE
- - - EXISTING EASEMENT
- - - EXISTING CHAIN LINK FENCE
- - - EXISTING EDGE OF PAVEMENT
- W A23 W A24 EXISTING WETLAND
- W A23 W A24 EXISTING WETLAND FLAG
- 190 EXISTING 10' CONTOUR
- 215.1 EXISTING 2' CONTOUR
- W EXISTING 12" WATER MAIN
- 180.0 PROPOSED 10' CONTOUR
- 188.8 PROPOSED 2' CONTOUR
- 188.8 PROPOSED SPOT ELEVATION
- 187.8 184.0 PROPOSED TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- ▣ PROPOSED OUTLET STRUCTURE
- ▢ PROPOSED END SECTION
- ⊕ PROPOSED WATER GATE VALVE
- ⊙ PROPOSED FIRE HYDRANT
- PROPOSED HDPE DRAINAGE PIPE (SIZE AS NOTED)
- PROPOSED 8" PVC SDR 35 SEWER MAIN
- PROPOSED 4" PVC SDR 35 SEWER SERVICE
- PROPOSED 8" DIP CLASS 52 WATER MAIN
- PROPOSED 8" DIP WATER SERVICE LINE
- PROPOSED GRASS SWALE

PROPOSED SEWER TABLE

STRUCTURE	RM	INV.	PIPE	LENGTH	SLOPE
SMH 7	192.2	188.0	8" PVC	136 L.F.	0.8%
SMH 6	194.4	186.9	8" PVC	203 L.F.	0.8%
SMH 5	196.1	185.2	8" PVC	259 L.F.	0.8%
SMH 4	198.4	183.0	8" PVC	48 L.F.	1.1%
SMH 3	184.0	181.4	8" PVC	188 L.F.	0.8%
SMH 2	184.0	180.9	8" PVC	48 L.F.	0.8%
SMH 1	188.8	178.9	8" PVC	156 L.F.	1.2%
SMH 5B	195.8	191.6	8" PVC	62 L.F.	0.8%
SMH 5A	196.5	191.1	8" PVC	81 L.F.	0.8%
SMH 5	196.1	185.2	8" PVC	81 L.F.	7.2%

PROPOSED DRAINAGE TABLE

STRUCTURE	RM	INV.	PIPE	LENGTH	SLOPE
DI 7	195.9	192.8	12" HDPE	106 L.F.	2.1%
CB 5	193.5	190.8	12" HDPE	46 L.F.	1.1%
CB 4	191.2	187.6	15" HDPE	184 L.F.	1.1%
CB 3	189.7	186.1	15" HDPE	143 L.F.	1.0%
CB 2	189.0	182.3	24" HDPE	35 L.F.	1.1%
ES 1	-	180.0	24" HDPE	76 L.F.	3.0%
CB 4A	191.3	188.1	12" HDPE	26 L.F.	1.9%
CB 4	191.3	187.6	12" HDPE	26 L.F.	1.9%
CB 2A	189.0	185.8	12" HDPE	25 L.F.	2.0%
CB 2	189.0	185.3	12" HDPE	25 L.F.	2.0%
OS 1.3P	193.5	188.2	12" HDPE	102 L.F.	1.1%
CB 3C	194.2	187.1	15" HDPE	83 L.F.	1.1%
CB 3B	193.0	186.0	15" HDPE	88 L.F.	1.0%
CB 3A	192.7	185.1	15" HDPE	155 L.F.	1.0%
CB 3	189.7	183.5	15" HDPE	155 L.F.	1.0%
SDI 22	189.9	186.7	15" HDPE	47 L.F.	1.5%
ES 21	-	186.0	15" HDPE	47 L.F.	1.5%
SDI 12	203.5	200.3	12" HDPE	22 L.F.	15.9%
SDI 11	200.0	196.8	12" HDPE	55 L.F.	8.7%
DMH 10	195.2	192.0	12" HDPE	110 L.F.	2.0%
DMH 9	193.0	189.8	12" HDPE	60 L.F.	1.2%
ES 8	-	182.5	12" HDPE	60 L.F.	1.2%
SDI 14	195.5	192.3	12" HDPE	95 L.F.	6.6%
ES 13	-	186.0	12" HDPE	95 L.F.	6.6%
SDI 17	190.5	187.1	15" HDPE	45 L.F.	8.0%
DMH 16	188.1	183.5	15" HDPE	47 L.F.	1.1%
ES 15	-	183.0	15" HDPE	47 L.F.	1.1%
CB 19	189.3	186.1	12" HDPE	46 L.F.	3.0%
FS 1.1	187.7	184.7	12" HDPE	30 L.F.	5.7%
ES 18	-	183.0	12" HDPE	30 L.F.	5.7%
FS 1.1	187.7	184.7	8" HDPE	10 L.F.	2.0%
HDS 1.1	187.8	184.5	8" HDPE	10 L.F.	2.0%
1.2P	-	184.3	8" HDPE	10 L.F.	2.0%
1.2P	-	184.3	8" HDPE	19 L.F.	1.1%
DMH 16	188.1	184.1	8" HDPE	19 L.F.	1.1%
ES 24	-	176.0	15" HDPE	44 L.F.	1.1%
ES 23	-	175.5	15" HDPE	44 L.F.	1.1%
OS 1.1P	183.5	179.0	24" HDPE	34 L.F.	1.5%
ES 25	-	178.5	24" HDPE	34 L.F.	1.5%
CB 28	188.9	185.7	12" HDPE	18 L.F.	2.8%
CB 27	188.9	185.2	12" HDPE	137 L.F.	3.8%
ES 26	-	180.0	12" HDPE	137 L.F.	3.8%
SDI 30	189.6	186.2	15" HDPE	92 L.F.	2.4%
ES 29	-	184.0	15" HDPE	92 L.F.	2.4%

PERMANENT STORMWATER FACILITIES MAINTENANCE SCHEDULE

PRACTICE/FACILITY	MONTHLY	AFTER MAJOR STORM EVENTS	BI-ANNUALLY	YEARLY	EVERY 5 to 10 YEARS
GRASS & RIP RAP SWALES	Ensure contributing areas clean of debris, no evidence of erosion, & mowing performed.	Inspect for erosion, soil permeability & evidence of flow going around structures.	-	Inspect & clean accumulated sediment.	-
INFILTRATION UNITS	-	Confirm infiltrators de-water within 40 hours	Inspect & clean	Inspect outlet structures & remove accumulated sediment.	Clean isolator row per manufacturer's recommendations
SUBSURFACE STORMWATER COLLECTION SYSTEMS	-	-	Inspect & clean	Inspect, clean, repair and/or replace structures. Remove debris.	-
DEEP SUMP CATCH BASINS	-	-	Inspect for damage to frame and grate, and pipe inlets/outlets. Clean accumulated sediment in sump.	-	-
BIORETENTION FILTER, STORMWATER POND	Inspect first few months after construction for eroding soils & sumpage & repair immediately	Inspect orifices, inlets & outlets for clogging eroding soils on the basin berm & embankments, & sources of erosion, & stabilize and/or repair immediately.	Mow berms and exterior embankments. Remove debris & litter from basins & outlet structures. Remove sediment if accumulated greater than 1"	-	Inspect for & remove accumulated sediment

Note: The party responsible for implementation of the maintenance schedule during and after construction is:
 Beacon Views, LLC
 500 River Avenue, Suite 145
 Waterford, NJ 08701
 or any future owner/operator

1	4-28-20	RESUBMISSION TO PLANNING BOARD	JFR
NO.	DATE	REVISION	BY

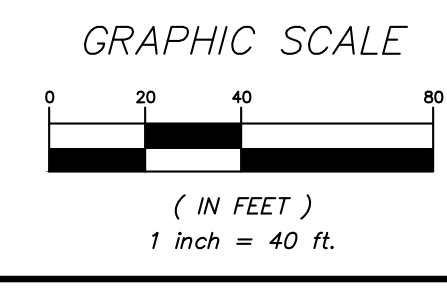
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PROJECT: **BEACON VIEWS**
 CITY OF BEACON, DUTCHESS COUNTY, NEW YORK

DRAWING: **GRADING & UTILITIES PLAN**

PROJECT NUMBER: 19131.100 PROJECT MANAGER: J.J.C.
 DATE: 8-27-19 DRAWN BY: J.F.R.
 SCALE: 1" = 40' CHECKED BY: A.D.T.

DRAWING NO. SHEET
SP-2 4
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ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 2209 OF ARTICLE 145 OF THE EDUCATION LAW.