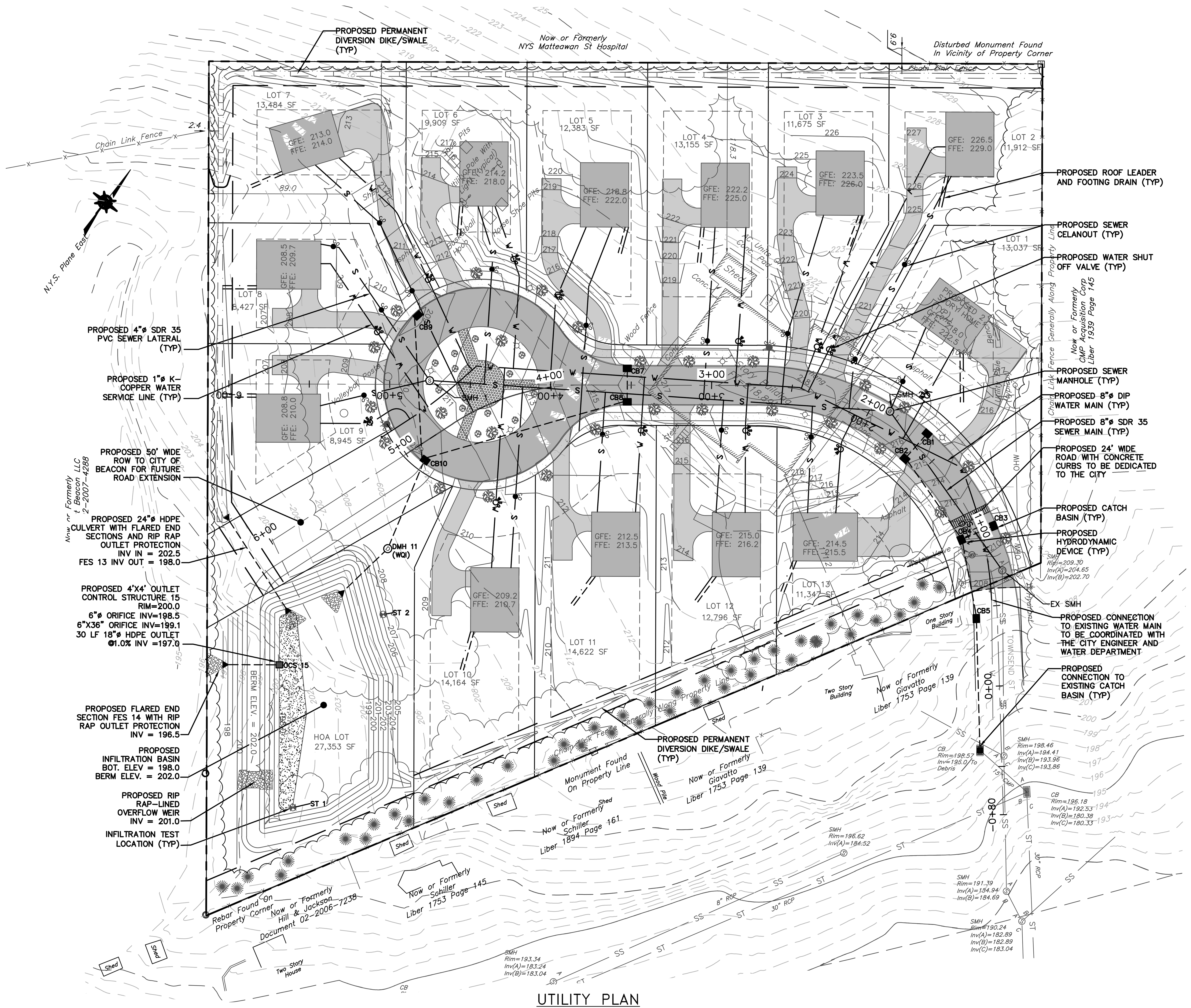

UTILITY PLAN

SCALE: 1" = 40'

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING ADJOINER LINE
- EXISTING TREE
- 30 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 30 PROPOSED MAJOR CONTOUR
- 28 PROPOSED MINOR CONTOUR
- S PROPOSED SEWER MAIN
- PROPOSED SILT FENCE
- EXISTING OVERHEAD WIRE
- X EXISTING FENCE
- W EXISTING WATER MAIN
- WS WS EXISTING WATER SERVICE LINE
- PROPOSED DRAINAGE LINE
- W PROPOSED WATER MAIN
- PROPOSED WATER SHUT-OFF VALVE
- PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STREET TREE
- PROPOSED EVERGREEN

INFILTRATION TEST TABLE:
INFILTRATION TESTS RESULTS ESTABLISHED ON 8/26/2017
ST1: 84" DEEP: 4.0 INCHES/HOUR, 3.0 INCHES/HOUR, 1.5 INCHES/HOUR
ST2: 84" DEEP: 1.5 INCHES/HOUR, 1.0 INCHES/HOUR, 1.0 INCHES/HOUR

DEEP TEST HOLE TABLE:
DEEP TEST HOLE RESULTS ESTABLISHED ON 8/26/17
TP1: 0"-8" TOPSOIL, 8"-75" GRAVELLY CLAY LOAM, 75"-96" HARDPAN; NO ROCK, NO GROUNDWATER, NO MOTTLING
TP2: 0"-8" TOPSOIL, 8"-85" GRAVELLY CLAY LOAM;85"-96" HARDPAN NO ROCK, NO GROUNDWATER, NO MOTTLING

INSPECTION SCHEDULE & LONG TERM MAINTENANCE OF STORMWATER STRUCTURES

CATCH BASINS AND PIPING:

ALL CATCH BASINS SHALL BE INSPECTED AFTER EACH STORM EVENT FOR SEDIMENT ACCUMULATION, AND DEBRIS, AND REMOVE AS NECESSARY. WHEN SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN SUMP REACHES 1/2 OF THE SUMP DEPTH, IT SHALL BE REMOVED. ASSOCIATED PIPING SHALL BE INSPECTED ANNUALLY AND ACCUMULATED SEDIMENT SHALL BE REMOVED AS NEEDED.

HYDRODYNAMIC DEVICES:

THE VORTEX UNITS SHALL BE INSPECTED QUARTERLY DURING THE FIRST YEAR OF OPERATION. THE MANUFACTURER RECOMMENDS THAT THE CDS UNITS BE INSPECTED BI-ANNUALLY (ONCE IN THE SPRING AND ONCE IN THE FALL). THE STRUCTURE SHALL BE VISUALLY INSPECTED FOR BLOCKAGES OR OBSTRUCTIONS IN THE INLET OR SEPARATION SCREEN. THE INSPECTION SHOULD ALSO QUANTIFY ACCUMULATION OF HYDROCARBONS, SEDIMENT AND TRASH WITHIN THE SYSTEM. INSPECTIONS AND MAINTENANCE SHALL BE PERFORMED BY QUALIFIED PERSONNEL WITH ADEQUATE TRAINING IN THESE TYPES OF UNITS. THE UNITS SHALL BE CLEANED BY VACUUM TRUCK ONCE A YEAR (EXCEPT FOR THE FIRST YEAR WHERE MORE FREQUENT CLEANINGS MAY BE REQUIRED).

INFILTRATION BASIN:

THE INFILTRATION BASIN SHALL BE INSPECTED MONTHLY FOR SEDIMENT AND DEBRIS ACCUMULATION. INFLOW PIPES, OUTLET STRUCTURES AND SPILLWAYS SHOULD ALSO BE INSPECTED FOR SEDIMENT AND DEBRIS MONTHLY. ANY ACCUMULATED SEDIMENT OR DEBRIS SHOULD BE REMOVED AS NECESSARY. PLANTINGS SHALL BE INSPECTED MONTHLY FOR HEIGHT, FERTILIZER, QUANTITY AND UNAUTHORIZED INVASIVE OR INAPPROPRIATE SPECIES. AFTER STORM EVENTS, THE INFILTRATION BASIN DEWATERING DURATION SHOULD ALSO BE MONITORED. THE BASIN FLOOR SHALL BE MOWED AS REQUIRED; HOWEVER, THE GRASS HEIGHT SHALL NOT EXCEED 18". SEDIMENT SHALL BE CLEANED OUT OF THE INFILTRATION BASIN ANNUALLY.

UTILITY PLAN
25 TOWNSEND STREET

25 TOWNSEND STREET
CITY OF BEACON
DUTCHESS COUNTY, NEW YORK
TAX ID: 6055-03-383149
SCALE: 1" = 40'
DECEMBER 7, 2015

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE CITY OF BEACON, NEW YORK, ON THE

______________ DAY OF ________________, 20_______, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT, AS APPROVED, SHALL VOID THIS APPROVAL.

SIGNED THIS __________________ DAY OF _______________, 20____, BY

______________________________ CHAIRMAN

______________________________ SECRETARY

IN ABSENCE OF THE CHAIRMAN OR SECRETARY, THE ACTING CHAIRMAN OR ACTING SECRETARY RESPECTIVELY MAY SIGN IN THIS PLACE.

DRAWN BY: JDB | CHECKED BY: MAB | JOB NO.: 2015:025

REVISIONS:

NO.	DATE	DESCRIPTION	BY
1	02/27/18	PER PLANNING BOARD COMMENTS	CMB
2	03/27/18	PER PLANNING BOARD COMMENTS	CMB
3	05/29/18	PER PLANNING BOARD COMMENTS	AG
4	06/26/18	PER PLANNING BOARD COMMENTS	CMB

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PH: 845-440-6926 F: 845-440-6637

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