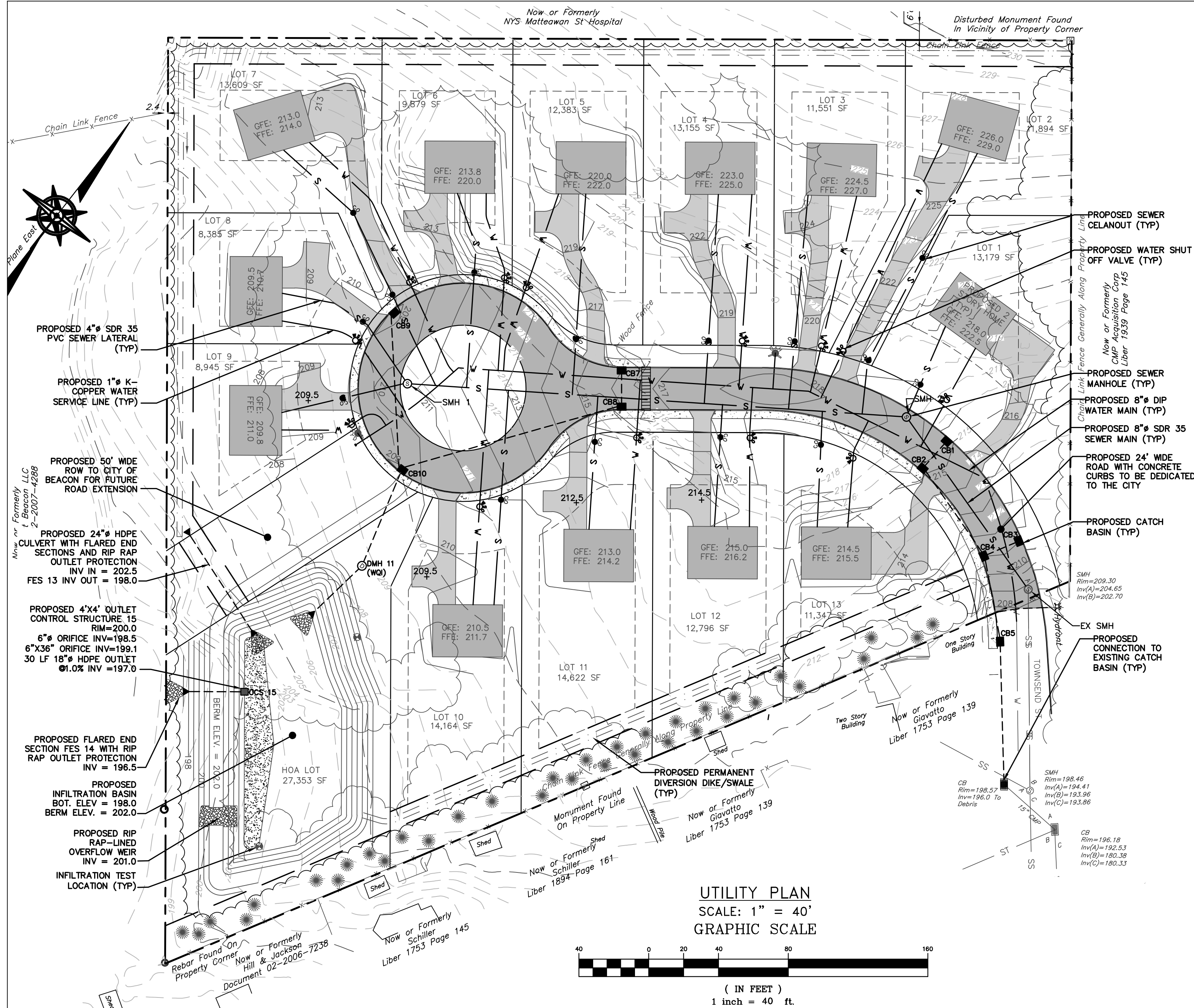




LEGEND

---	EXISTING PROPERTY LINE
---	PROPOSED PROPERTY LINE
---	EXISTING ADJOINER LINE
---	EXISTING TREE
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	PROPOSED SEWER MAIN
---	PROPOSED SILT FENCE
---	EXISTING OVERHEAD WIRE
---	EXISTING FENCE
---	EXISTING WATER MAIN
---	EXISTING WATER SERVICE LINE
---	PROPOSED DRAINAGE LINE
---	PROPOSED WATER MAIN
---	PROPOSED WATER SHUT-OFF VALVE
---	PROPOSED HYDRANT
---	PROPOSED SEWER MANHOLE
---	PROPOSED CATCH BASIN

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.

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

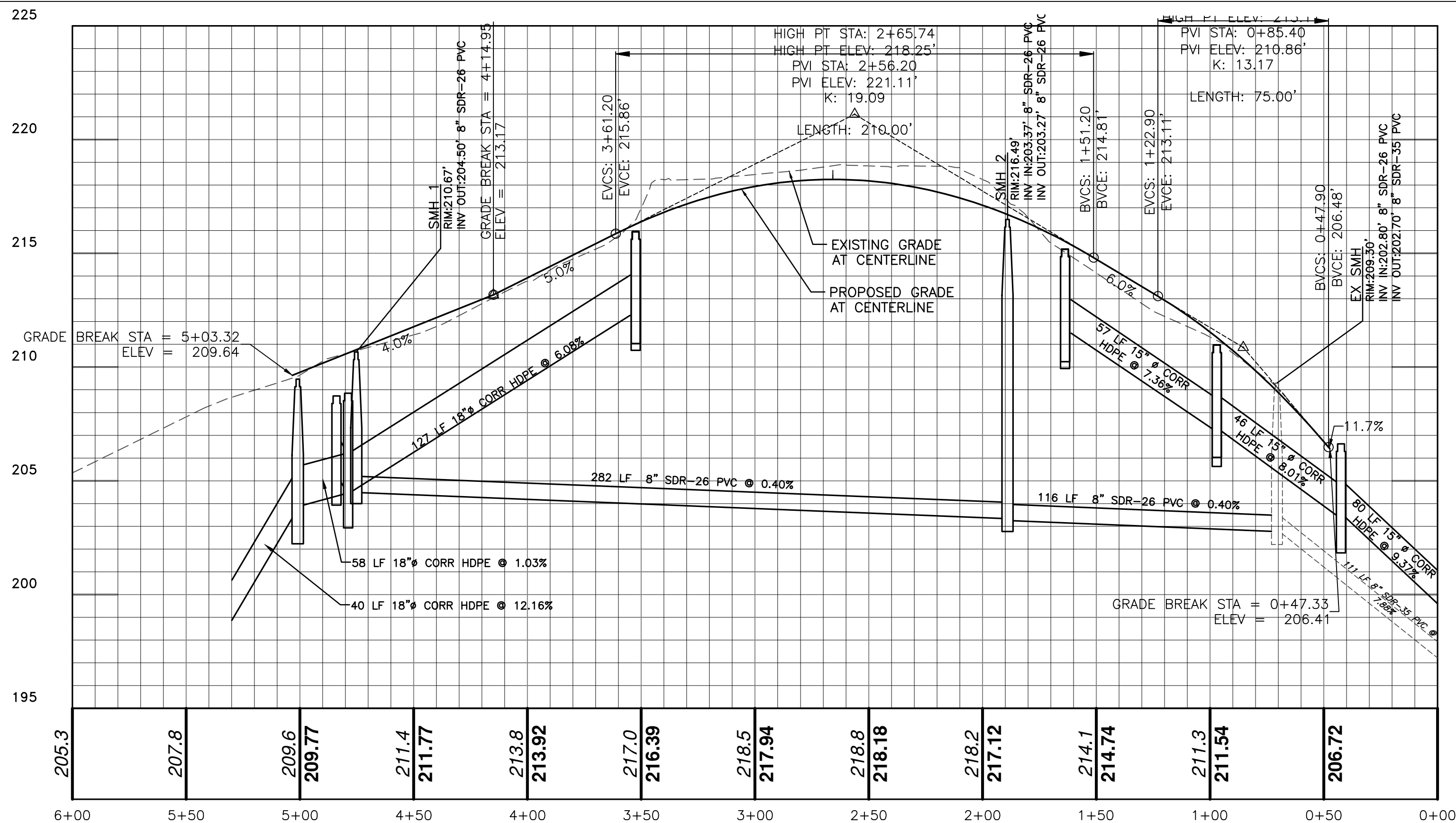
_____ DAY OF _____, 20____, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT, AS APPROVED, SHALL VOID THIS APPROVAL.

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.



ROAD EXTENSION PROFILE

SCALE: 1" = 4' V
1" = 40' H

STORM SEWER STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
CB 5	RIM = 206.62 SUMP = 202.50 PIPE 4-5 INV IN = 203.60 PIPE 5-EX INV OUT = 203.50
CB1	RIM = 215.18 SUMP = 210.90 PIPE 1-2 INV OUT = 211.90
CB2	RIM = 215.18 SUMP = 210.60 PIPE 1-2 INV IN = 211.70 PIPE 2-4 INV OUT = 211.60
CB3	RIM = 210.97 SUMP = 206.70 PIPE 3-4 INV OUT = 207.70
CB4	RIM = 210.97 SUMP = 206.30 PIPE 2-4 INV IN = 207.40 PIPE 3-4 INV IN = 207.40 PIPE 4-5 INV OUT = 207.30
CB7	RIM = 215.95 SUMP = 211.70 PIPE 7-8 INV OUT = 212.70
CB8	RIM = 215.95 SUMP = 211.40 PIPE 7-8 INV IN = 212.50 PIPE 8-10 INV OUT = 212.40
CB9	RIM = 208.73 SUMP = 204.60 PIPE 9-10 INV OUT = 205.60
CB10	RIM = 208.85 SUMP = 203.60 PIPE 8-10 INV IN = 204.70 PIPE 9-10 INV IN = 204.70 PIPE 10-11 INV OUT = 204.60
DMH 11	RIM = 209.47 SUMP = 202.90 PIPE 10-11 INV IN = 204.00 PIPE 11-12 INV OUT = 203.90

FLARED END SECTION TABLE	
STRUCTURE	STRUCTURE DETAILS
FES 12	PIPE 11-12 INV IN = 199.00

STORM SEWER PIPE TABLE			
PIPE NAME	LENGTH	SIZE AND MATERIAL	SLOPE
PIPE 1-2	20 LF	15" Ø CORR HDPE	0.98%
PIPE 2-4	57 LF	15" Ø CORR HDPE	7.36%
PIPE 3-4	25 LF	15" Ø CORR HDPE	1.20%
PIPE 4-5	46 LF	15" Ø CORR HDPE	8.01%
PIPE 5-EX	80 LF	15" Ø CORR HDPE	9.37%
PIPE 7-8	17 LF	18" Ø CORR HDPE	1.19%
PIPE 8-10	127 LF	18" Ø CORR HDPE	6.08%
PIPE 9-10	87 LF	18" Ø CORR HDPE	1.03%
PIPE 10-11	58 LF	18" Ø CORR HDPE	1.03%
PIPE 11-12	40 LF	18" Ø CORR HDPE	12.16%

SANITARY SEWER STRUCTURE TABLE	
STRUCTURE	STRUCTURE DETAILS
EX SMH	RIM = 209.30 SUMP = 202.70 PIPE 2-EX INV IN = 202.80 EX. PIPE INV OUT = 202.70
SMH 1	RIM = 210.67 SUMP = 204.50 PIPE 1-2 INV OUT = 204.50
SMH 2	RIM = 216.49 SUMP = 203.27 PIPE 1-2 INV IN = 203.37 PIPE 2-EX INV OUT = 203.27

SANITARY SEWER PIPE TABLE			
PIPE NAME	LENGTH	SIZE AND MATERIAL	SLOPE
PIPE 1-2	282 LF	8" SDR-26 PVC	0.40%
PIPE 2-EX	116 LF	8" SDR-26 PVC	0.40%
EX. PIPE	111 LF	8" SDR-35 PVC	7.88%

UTILITY PLAN & PROFILE 25 TOWNSEND STREET

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

HUDSON
LAND DESIGN

HUDSON LAND DESIGN
PROFESSIONAL ENGINEERING P.C.

174 MAIN STREET
BEACON, NEW YORK 12508
PH: 845-440-6926 F: 845-440-6637



SEAL

JON D. BODENDORF, P.E.
NYS LICENSE NO. 076245
DANIEL G. KOEHLER, P.E.
NYS LICENSE NO. 082716

SHEET: 3 OF 7

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