EROSION AND SEDIMENT CONTROL NOTES

1. THE PROJECT IS NOT SUBJECT TO PREPARATION OF A SWPPP DUE TO THE AMOUNT OF SOIL DISTURBANCE PROPOSED. HOWEVER, EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED TO LIMIT THE TRANSPORT OF SEDIMENT OFFSITE.
2. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE PROVIDED ON THIS SHEET. ALL EROSION CONTROL STRUCTURES SHALL BE REPAIRED AND MAINTAINED AS NECESSARY BY THE CONTRACTOR.
3. ALL STORMWATER MANAGEMENT STRUCTURES (E.G., SWALES, CULVERTS) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. SEDIMENT AND TRASH SHALL BE REMOVED, AS NECESSARY
4. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE MEASURES SHALL MEET THE REQUIREMENTS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
5. ANY PILE OF POTENTIALLY EROSIVE MATERIAL TEMPORARILY STOCKPILED ON THE SITE DURING THE CONSTRUCTION PROCESS SHALL BE LOCATED IN AN AREA AWAY FROM STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED FROM EROSION BY A SURROUNDING SILT FENCE.
6. PERMANENT SEEDED AREAS FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH DETAIL AND SPECIFICATIONS ON THE DETAIL SHEET.
7. AREAS UNDERGOING CLEARING OR GRADING AND WHERE WORK IS DELAYED OR COMPLETED AND WILL NOT BE REDISTURBED FOR A PERIOD OF 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS.
8. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY STANDARD METHODS OF LIGHTLY WATERING ALL EXPOSED SOIL AND RAPIDLY STABILIZING THE REGRADED AREAS WITH TOPSOIL, LOAM AND/OR SEEDING.
9. THE PROJECT ENGINEER SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE START OF ANY SITE WORK, AND BY SUCH NOTIFICATION, SHALL BE PROVIDED WITH THE NAME AND TELEPHONE NUMBER OF THE GENERAL CONTRACTOR RESPONSIBLE FOR SUCH WORK.
10. THE CITY MAY INSPECT EROSION AND SEDIMENT CONTROL PRACTICES ON THE SITE DURING CONSTRUCTION AND RECOMMEND THAT THE CONTRACTOR INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DEEMED NECESSARY TO PROTECT ANY UNDISTURBED AREAS OF THE SITE. ANY SUCH REQUESTS SHALL BE MADE DIRECTLY TO THE CONTRACTOR AND QUALIFIED PROFESSIONAL AND FOLLOWED UP WITH A WRITTEN NOTIFICATION TO THE DEVELOPER. IN ADDITION, THE CITY SHALL BE CONSULTED ON ANY SPECIAL ADDITIONS OR DELETIONS OF EROSION CONTROL MEASURES WARRANTED BY CHANGING FIELD CONDITIONS.
11. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AKA SUMP PIT) TO FILTER WATER FOR PUMPING TO A SUITABLE LOCATION.
12. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED SUBJECT TO APPROVAL BY THE CITY.

INSPECTION SCHEDULE & MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCKPILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORKS. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED, REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

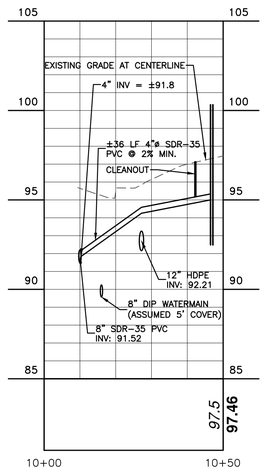
DEWATERING PITS:
(IF REQUIRED) – INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND NEW PITS SHALL BE CONSTRUCTED AS NEEDED.

CATCH BASINS:
ALL CATCH BASINS SHALL BE INSPECTED AFTER EACH STORM EVENT FOR SEDIMENT ACCUMULATION, AND DEBRIS, AND REMOVE AS NECESSARY. THE INLET PROTECTION SHALL BE INSPECTED FOR SEDIMENT ACCUMULATION AND REPLACED AS NECESSARY. WHEN SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN SUMP REACHES 1/2 OF THE SUMP DEPTH, IT SHALL BE REMOVED.

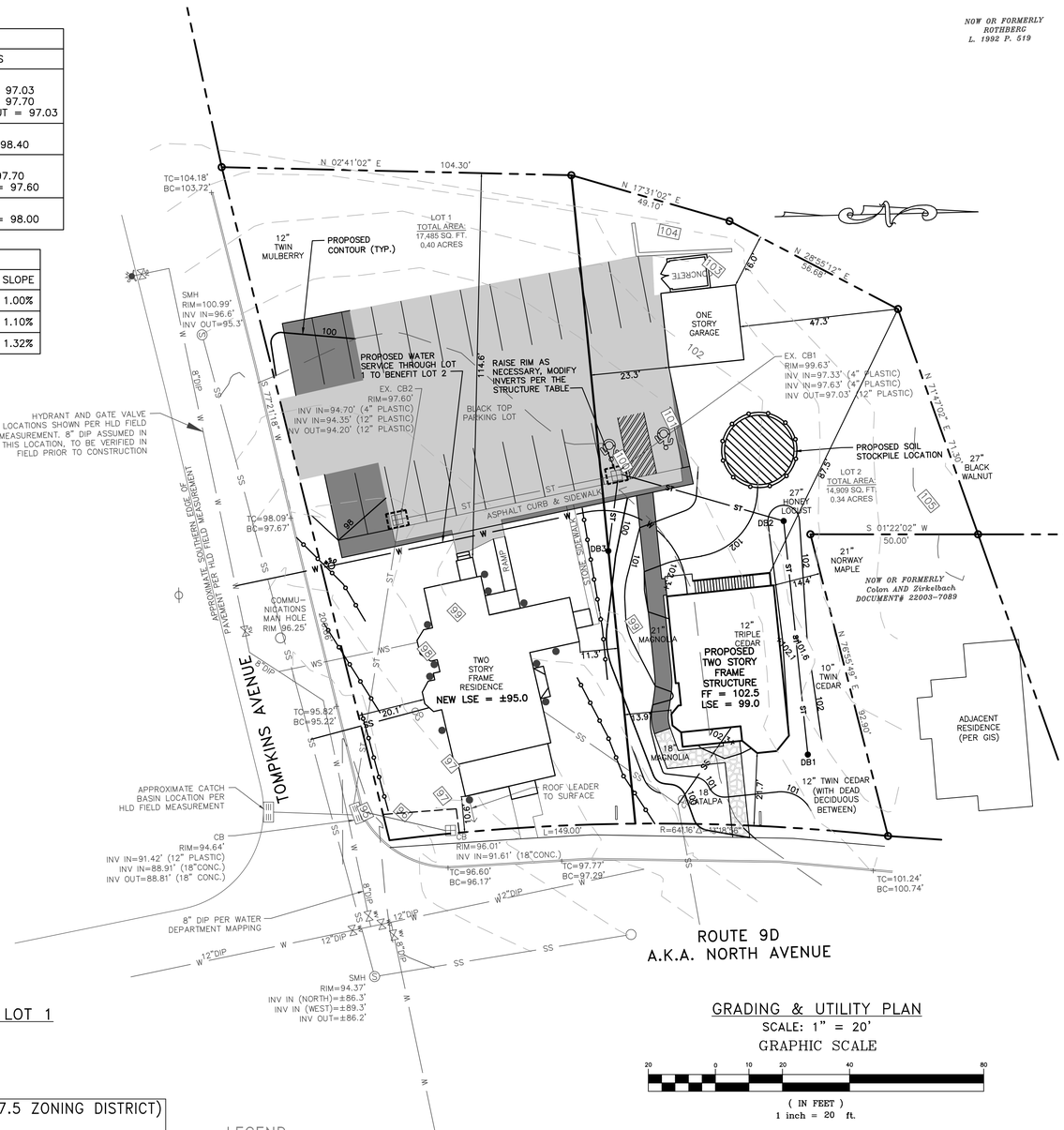
PUBLIC ROADWAYS:
IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. THIS SHALL BE DONE AS NEEDED DURING THE COURSE OF CONSTRUCTION, AND AT THE END OF EACH WORK DAY.

STORM STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
EX_CB1	RIM = 106.16 DB2–EX_CB1 INV IN = 97.03 DB3–EX_CB1 INV IN = 97.70 EX_CB1 TO EX_CB2 INV OUT = 97.03
DB1	RIM = 101.20 DB1–DB2 INV OUT = 98.40
DB2	RIM = 101.20 DB1–DB2 INV IN = 97.70 DB2–EX_CB1 INV OUT = 97.60
DB3	RIM = 100.38 DB3–EX_CB1 INV OUT = 98.00

STORM PIPE TABLE			
PIPE ID	SIZE & MATERIAL	LENGTH	SLOPE
DB1–DB2	12" ø CORR HDPE	68 LF	1.00%
DB2–EX_CB1	12" ø CORR HDPE	48 LF	1.10%
DB3–EX_CB1	8" ø CORR HDPE	20 LF	1.32%



PROPOSED SANITARY SEWER SERVICE – LOT 1
1:4 VERTICAL
1:20 HORIZONTAL



GRADING & UTILITY PLAN
SCALE: 1" = 20'
GRAPHIC SCALE

20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GENERAL UTILITY NOTES:

1. ALL OTHER UTILITIES (TELEPHONE, ELECTRIC, GAS, CABLE, ETC.) SHALL BE INCORPORATED PRIOR TO CONSTRUCTION. ALL SUCH UTILITY DESIGNS SHALL BE DEVELOPED IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANIES.
2. THE CONTRACTOR SHALL PERFORM A UTILITIES CALL-OUT PRIOR TO CONSTRUCTION TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS BY CONTACTING UFPO @ 1–800–962–7962.
3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND INVERTS OF ALL CATCH BASINS & STORM SEWER LINES, SANITARY MANHOLES & SEWER LINES, WATERLINES AND OTHER UNDERGROUND UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOT ASSUME THAT ALL LOCATIONS AS SHOWN ON THE PLAN ARE CORRECT. TO ACCOMPLISH THIS, THE CONTRACTOR SHALL POTHOLE ALL PROPOSED UTILITY CONNECTION AND CROSSING LOCATIONS TO EXPOSE THE UNDERGROUND UTILITY AND ASCERTAIN THE HORIZONTAL AND VERTICAL POSITION OF SAID UTILITIES, AND TO VERIFY UTILITY SIZE AND MATERIAL. IF ANY EXISTING UTILITIES ARE NOT IN THE LOCATION WHERE THEY ARE SHOWN ON THE PLAN, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.
4. PIPE CONNECTIONS TO ALL CATCH BASINS SHALL BE MADE WATERTIGHT, WITH PARTICULAR ATTENTION BEING PAID TO CONNECTIONS LOCATED WITHIN 10 FEET OF SEWER MAINS (AND SERVICE LATERALS).

SANITARY SEWER NOTES:

1. THE EXISTING AND PROPOSED BUILDINGS ARE TO BE SERVED BY THE CITY OF BEACON MUNICIPAL SEWER SYSTEM. INSTALLATION OF ALL COMPONENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY CODE, CHAPTER 179.
2. SERVICE LATERALS SHALL BE 4" DIAMETER SDR–35 PVC WITH A MINIMUM SLOPE OF 2%, UNLESS OTHERWISE NOTED ON THE PLAN.
3. THE EXISTING BUILDING SHALL BE RE–PLUMBED INTERIOR TO PROVIDE FOR A NEW SEWER SERVICE IN THE LOCATION SHOWN.
4. THE PROPOSED BUILDING SHALL UTILIZE THE EXISTING SEWER LATERAL FROM THE EXISTING BUILDING. THE PORTION OF THE EXISTING SEWER LATERAL TO THE POINT OF NEW CONNECTION SHALL BE ABANDONED IN PLACE.

WATER NOTES:

1. THE PROPOSED BUILDINGS ARE TO BE SERVED BY THE CITY OF BEACON MUNICIPAL WATER SYSTEM. INSTALLATION OF ALL COMPONENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY CODE, CHAPTER 219.
2. THE NEW SERVICE LINE SHALL BE 1" COPPER K.
3. AN EASEMENT FOR THE WATER SERVICE LINE THROUGH LOT 1 FOR THE BENEFIT OF LOT 2 SHALL BE FILED AS PART OF THE SUBDIVISION PORTION OF THE APPLICATION.

ROOF DRAINAGE NOTES:

1. FINAL DOWNSPOUT LOCATIONS TO BE DETERMINED BASED ON FINAL ARCHITECTURAL PLANS.
2. DOWNSPOUTS ON THE NORTH SIDE OF THE EXISTING BUILDING AND THE SOUTH SIDE OF THE PROPOSED BUILDING SHALL BE DIRECTED TO DB3. DOWNSPOUTS ON THE NORTH SIDE OF THE PROPOSED BUILDING SHALL BE DIRECTED TO EITHER DB1 OR DB2.

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.

SIGHT DISTANCE NOTES:

THE EXISTING DRIVEWAY SIGHT DISTANCE MEETS OR EXCEEDS COMPLIANCE WITH THE CITY OF BEACON'S 192–9(B) CODE AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION REQUIREMENTS. THE STATE UTILIZES THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) GUIDELINES FOR INTERSECTION SIGHT DISTANCES. FOR ROADS WITH A SPEED LIMIT OF 30 MPH, AASHTO DESIGN TABLES CALL FOR A SIGHT DISTANCE OF 290 FEET TO THE LEFT AND 335 FEET TO THE RIGHT. THE MEASURED SIGHT DISTANCE IS AS FOLLOWS:

EXISTING DRIVEWAY: SLSD RIGHT = ±241' FEET
SLSD LEFT = CLEAR TO INTERSECTION WITH NORTH AVENUE

AS SLSD RIGHT IS SLIGTHLY DEFICIENT, STOPPING SIGHT DISTANCE (SSD) WAS MEASURED TO BE 278', WHICH EXCEEDS THE MINIMUM REQUIRED 200 FEET WHEN APPROACHING THE PROPOSED DRIVEWAY FROM THE WEST (EASTBOUND).

OWNER'S CONSENT:

THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

_____ _____
NORM SCHOFIELD DATE

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.

SCHEDULE OF REGULATIONS (R1–7.5 ZONING DISTRICT) AND LOT CONFORMANCE TABLE:			
PARAMETER	REQUIREMENT	LOT #1	LOT #2
LOT AREA:	7,500 SQUARE FEET MIN	17,485 S.F.	14,909 S.F.
LOT WIDTH:	75 FEET MINIMUM	86 FEET	62 FEET(1)
LOT DEPTH:	100 FEET MINIMUM	197 FEET	181 FEET
YARD SETBACKS:			
FRONT YARD:	30 FEET MINIMUM	10.6 FEET(2)	21.7 FEET(2)
SIDE YARD(3):	10 FEET MINIMUM	11.3 FEET	13.9 FEET
SIDE YARD (TOTAL OF TWO):	20 FEET MINIMUM TOTAL	31.4 FEET	28.3 FEET
REAR YARD:	30 FEET MINIMUM	114.0 FEET	87.5 FEET
YARD SETBACKS (ACCESSORY STRUCTURE):			
SIDE YARD:	5 FEET MINIMUM	N/A	16.0 FEET
REAR YARD:	5 FEET MINIMUM	N/A	47.3 FEET
MAIN BUILDING HEIGHT:	MAX 35 FEET, 2.5 STORIES	<35 FEET	<35 FEET
ACCESSORY BLDG. HEIGHT:	MAX 15 FEET, 1 STORY	N/A	<15 FEET
BUILDING COVERAGE:	MAX 30%	11.6%	13.1%

1. AT ITS JUNE 19, 2018 MEETING, THE ZONING BOARD OF APPEALS GRANTED AN AREA VARIANCE FOR PLACEMENT OF THE BUILDING WHERE THE MINIMUM LOT WIDTH IS 62 FEET IN ORDER TO MAXIMIZE SEPARATION TO THE NATIONALLY REGISTERED HISTORIC PLACE TO THE WEST AND TO PROVIDE A CONSISTENT STREETSCAPE ALONG ROUTE 9D (NORTH AVENUE).
2. PRE–EXISTING, NON CONFORMING LOT 1. IN ORDER TO PROVIDE A CONSISTENT FRONT YARD SETBACK TO BUILDINGS ALONG NORTH AVENUE IN ACCORDANCE WITH SECTION 223–13K, THE PLANNING BOARD AGREED WITH THE PROPOSED FRONT YARD SETBACK SHOWN FOR LOT 2.
3. PER SECTION 223–13J: ON A CORNER LOT IN ANY RESIDENCE DISTRICT, THERE SHALL BE PROVIDED A SIDE YARD ON THE SIDE STREET EQUAL IN DEPTH TO THE REQUIRED FRONT YARD ON SAID LOT. THIS REQUIREMENT APPLIES TO LOT 1.

LEGEND

- EXISTING PROPERTY LINE
- 30 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- W EXISTING WATER MAIN
- EXISTING HYDRANT
- EXISTING SEWER MANHOLE
- SS EXISTING SEWER MAIN
- EXISTING CATCH BASIN
- ST EXISTING STORMWATER LINE
- EXISTING DOWNSPOUT TO CLOSED SYSTEM BELOW GROUND
- EXISTING IMPERVIOUS AREA

- PROPOSED PROPERTY LINE
- 100 PROPOSED MAJOR CONTOUR
- 97 PROPOSED MINOR CONTOUR
- WS PROPOSED WATER SERVICE 1"ø COPPER K
- PROPOSED WATER SHUTOFF VALVE
- PROPOSED SEWER CLEANOUT
- SS PROPOSED SANITARY SERVICE LATERAL 4"ø SDR–35 PVC
- PROPOSED INLET PROTECTION
- PROPOSED SILT FENCE
- PROPOSED IMPERVIOUS AREA
- PROPOSED DRAIN BASIN
- ST PROPOSED STORM PIPE

SEAL

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

REVISIONS:			
NO.	DATE	DESCRIPTION	BY
1	3/27/2018	PER PLANNING BOARD COMMENTS	DGK
2	4/24/2018	PER PLANNING BOARD COMMENTS	DGK
3	7/31/2018	PER PLANNING BOARD COMMENTS	DGK
4	8/28/2018	PER PLANNING BOARD COMMENTS	DGK

Special Use Permit Application

Sheet 4 of 5 - Grading & Utility Plan

Owner:
North Avenue Properties, LLC
1181 North Avenue
Beacon, New York 12508

Architect:
Aryeh Siegel, Architect
514 Main Street
Beacon, New York 12508

Site / Civil Engineer:
Hudson Land Design
174 Main Street
Beacon, New York 12508

Surveyor:
John J. Post, Jr.
PO Box 827
Stone Ridge, New York 12484

Landscape Designer:
Landscape Restorations
P.O. Box 286
Beacon, New York 12508

Office Building - 1181 North Avenue
Beacon, New York
Scale: As Noted
February 27, 2018