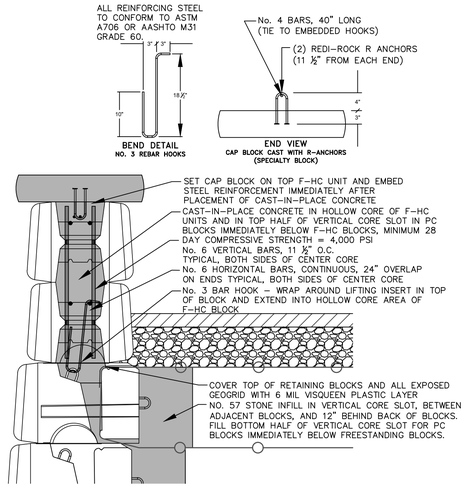
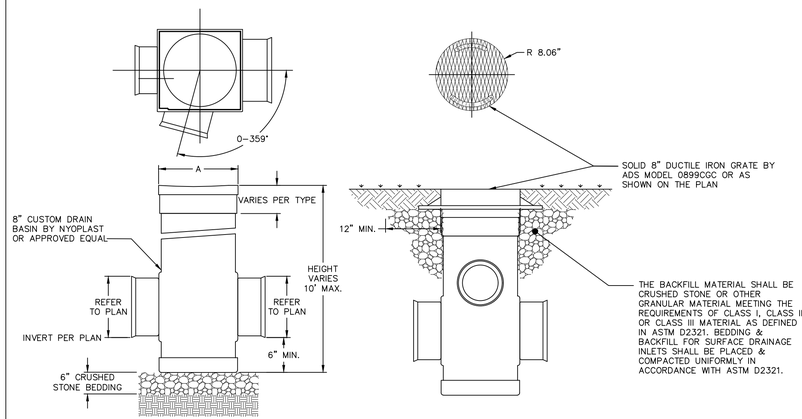


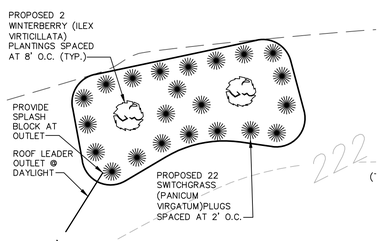
NOTES:
1. RETAINING WALL MANUFACTURED BY REDI-ROCK OR APPROVED EQUAL.
2. MANUFACTURER TO PROVIDE FINAL ENGINEERING CALCULATIONS AND DETAILS TO THE OWNER FOR REVIEW BY THE OWNERS ENGINEER.
3. SEE MANUFACTURER'S DETAILS AND INSTALLATION GUIDELINES FOR FURTHER REQUIREMENTS.

REDI-ROCK PARAPET WALL DETAIL
NOT TO SCALE



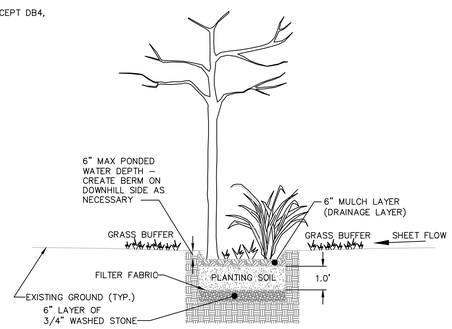
NOTES:
1. DRAIN BASINS TO BE USED TO CONVEY ROOF DRAINAGE TO THE OUTFALLS, AS SHOWN ON THE GRADING AND DRAINAGE PLAN.
2. ALL DRAIN BASINS TO BE EQUIPPED WITH SOLID COVERS EXCEPT DB4, WHICH SHALL BE EQUIPPED WITH A 0899CGS.

DRAIN BASIN DETAIL
NOT TO SCALE



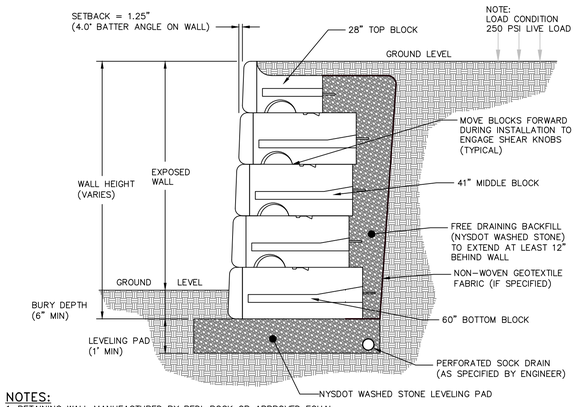
RAIN GARDEN PLANTING PLAN
SCALE: 1" = 5'
GRAPHIC SCALE

5 0 2.5 5 10 20
(IN FEET)
1 inch = 5 ft.



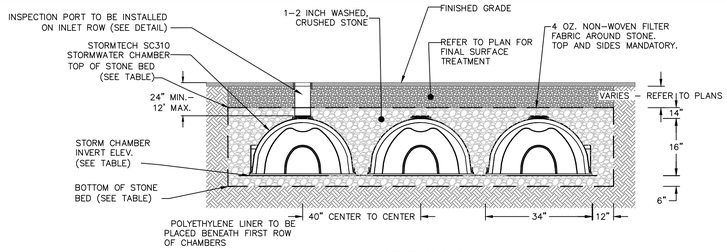
NOTES
1. RAIN GARDEN TO HAVE A MINIMUM FOOTPRINT OF 60 SQUARE FEET WITH 10:1 SIDE SLOPES AT 0.5' DEEP; 1.0' SOIL MEDIA DEPTH; 0.5" DRAINAGE LAYER DEPTH; AND 0.5' PONDING DEPTH.
2. DIRECT ROOF LEADER DISCHARGE TO RAIN GARDEN.
3. PLANTS SHALL BE PLACED IN AREA SHOWN ON THE PLAN.
4. SOIL COMPOSITION SHALL CONSIST OF 50-70% SAND(LESS THAN 5% CLAY CONTENT), 30-50% TOPSOIL WITH AN AVERAGE OF 5% ORGANIC CONTENT. SOIL SHALL BE FREE FROM COMPOST OR PEAT, STONES, ROOTS, WOODY DEBRIS AND ANIMAL WASTE.

TYPICAL RAIN GARDEN DETAIL
NOT TO SCALE

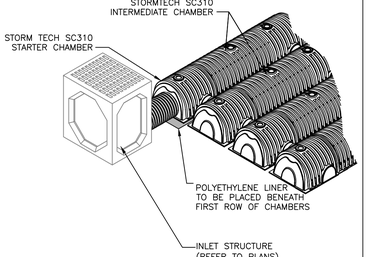


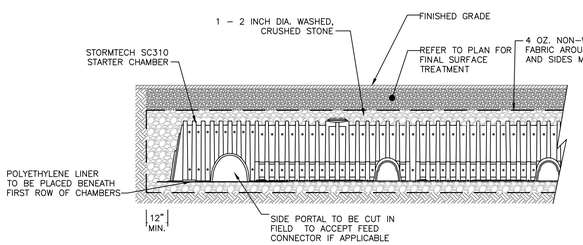
NOTES:
1. RETAINING WALL MANUFACTURED BY REDI-ROCK OR APPROVED EQUAL.
2. MANUFACTURER TO PROVIDE FINAL ENGINEERING CALCULATIONS AND DETAILS TO THE OWNER FOR REVIEW BY THE OWNERS ENGINEER.
3. SEE MANUFACTURER'S DETAILS AND INSTALLATION GUIDELINES FOR FURTHER REQUIREMENTS.

TYPICAL REDI-ROCK GRAVITY WALL WITH 41" BLOCKS
NOT TO SCALE



SECTION VIEW

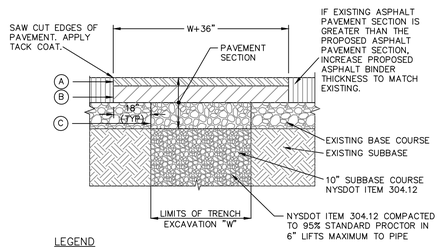




NOTES:
1. STORMTECH SC310 CHAMBERS BY STORMTECH, INC. OF ROCKY HILL, CT. ALL CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH STORMTECH INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
2. THE BED OF THE SYSYTEM FOOTPRINT SHALL BE LAID NEARLY LEVEL.
3. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IF SUBSURFACE CONDITIONS IN THE AREAS OF THE INFILTRATOR TRENCHES IS NOT CONSISTENT WITH THE TEST PIT OR PERCOLATION DATA (E.G. GROUNDWATER OR BEDROCK ENCOUNTERED, SOIL PROPERTIES ARE NOT CONSISTENT, ETC.).

SYSTEM ID	BOTTOM OF STONE BED ELEVATION	CHAMBER INVERT	TOP OF STONE BED ELEVATION	STONE BED FOOTPRINT
LOT 2	213.0	213.5	217.0	424 S.F.

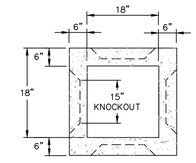
UNDERGROUND DETENTION SYSTEM DETAIL
NOT TO SCALE



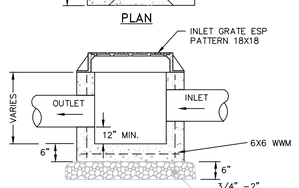
LEGEND
(A) 1.5" ASPHALT CONCRETE TOP COURSE– NYSDOT TYPE F1
(B) 3.0" ASPHALT CONCRETE BINDER COURSE– NYSDOT TYPE F9
(C) 3.0" ASPHALT BASE COURSE– NYSDOT TYPE F9

NOTES:
1. SAW CUT MIN. 18" BEYOND EXCAVATION WITH SMOOTH EDGES. 18" JOINT BETWEEN EXISTING AND NEW TOP COURSE TO BE MILLED. JOINT TO BE SEALED WITH POLYMER MODIFIED SEALER.
2. FURNISH, PLACE, AND COMPACT SUBBASE.
3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC.
4. FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

PAVEMENT RESTORATION DETAIL
NOT TO SCALE



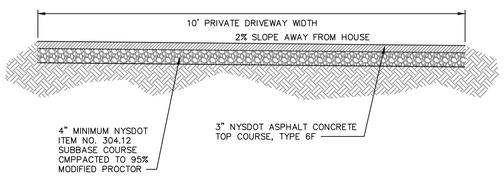
PLAN



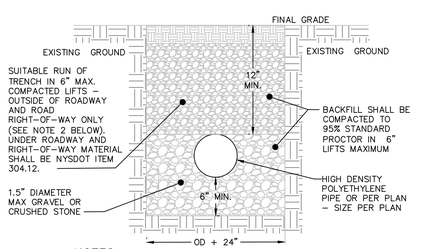
SECTION

NOTES:
1. YARD INLET BASINS SHALL BE PRE CAST REINFORCED CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND SHALL BE IN CONFORMANCE WITH ASTM 478-68. WALLS AND BASE SHALL BE ONE PIECE CONSTRUCTION. YARD INLET BASIN SHOWN BY EXPANDED SUPPLY PRODUCTS (ESP), 3330 ROUTE 9, COLD SPRING, NY (845) 265-3771.
2. BACK FILL USING SELECT MATERIAL, COMPACTED IN 6" LIFTS.
3. SUMP SHALL BE 12".
4. FRAMES AND GRATES SHALL BE SET IN A FULL BED OF MORTAR.

PRE-CAST CONCRETE YARD INLET DETAIL
NOT TO SCALE



PAVED DRIVEWAY SECTION DETAIL
NOT TO SCALE



NOTES:
1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.

STORM LINE TRENCH DETAIL
NOT TO SCALE

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.

Dig Safely. New York
800-962-7962
www.digsafelynewyork.org
- ☐ Call Before You Dig
- ☐ Wait The Required Time
- ☐ Confirm Utility Response
- ☐ Respect the Marks
- ☐ Dig With Care

DRAWN BY: AG	CHECKED BY: DGK	JOB NO.: 2018:014

REVISIONS:

NO.	DATE	DESCRIPTION	BY
1	07/31/18	REVISED LAYOUT CONSULTANTS COMMENTS	AG
2	09/25/18	REVISED PER CONSULTANTS COMMENTS	AG

CONSTRUCTION DETAILS
32 ALICE ST. SUBDIVISION

32 ALICE STREET
CITY OF BEACON
DUTCHESS COUNTY, NEW YORK
TAX ID: 6054-47-320616
SCALE: 1" = 20'
JUNE 26, 2018

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