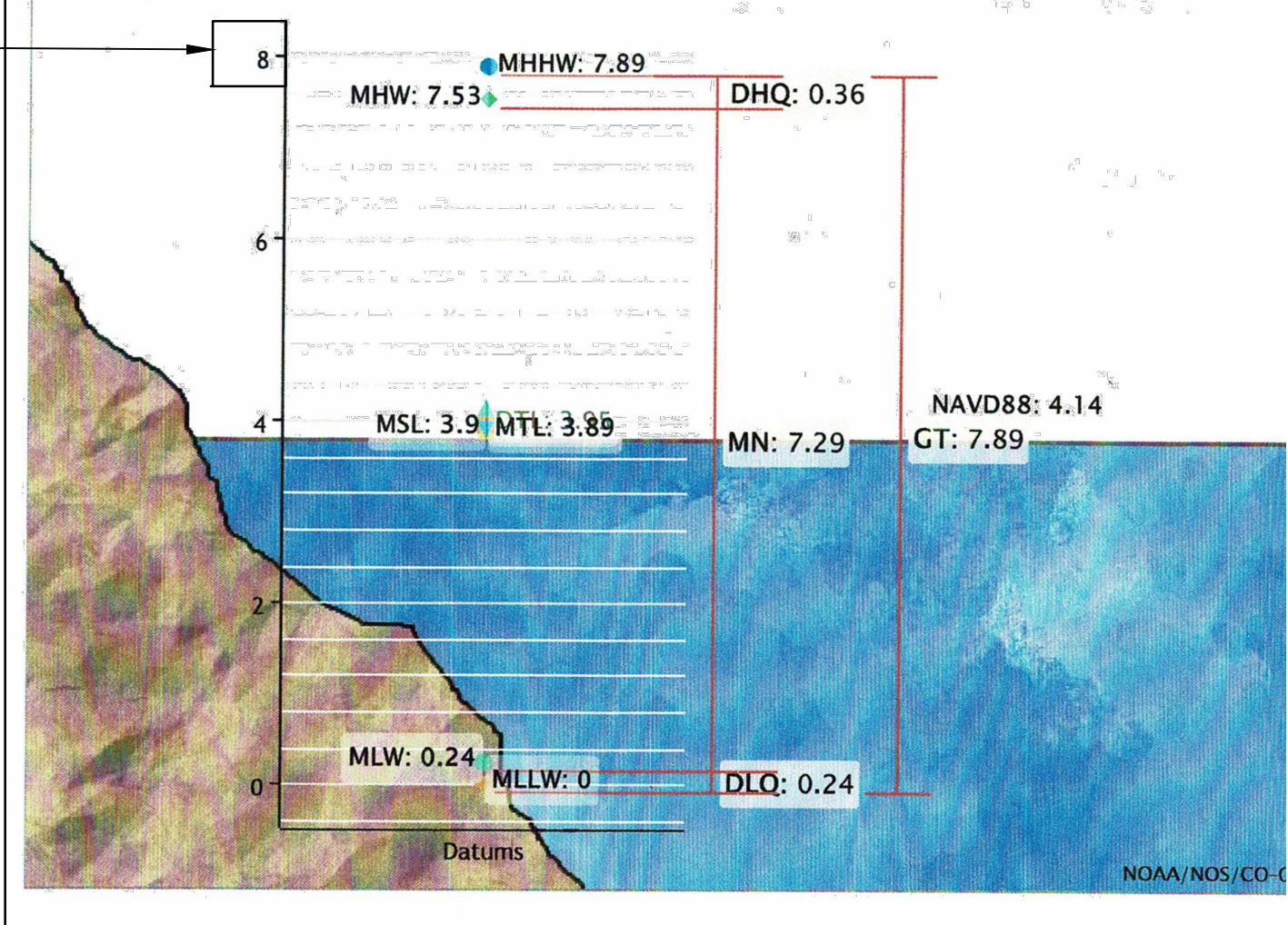


LEGEND

- 87.65
300
T/W
B/W
100
C.O.O
W—W
FEMA 100 YEAR FLOOD ELEVATION (EL. 12 PER FEMA MAP NUMBER 36119C0353F EFFECTIVE DATE SEPT. 28, 2007)
- EXISTING SPOT ELEVATION
EXISTING CONTOUR
TOP OF WALL
BOTTOM OF WALL
PROPOSED SPOT ELEVATION
PROPOSED CONTOUR
CLEANOUT
100 FOOT WETLAND BUFFER (FROM VILLAGE WETLAND MAP)

Datums for 8518091, RYE BEACH, AMUSEMENT PARK, NY

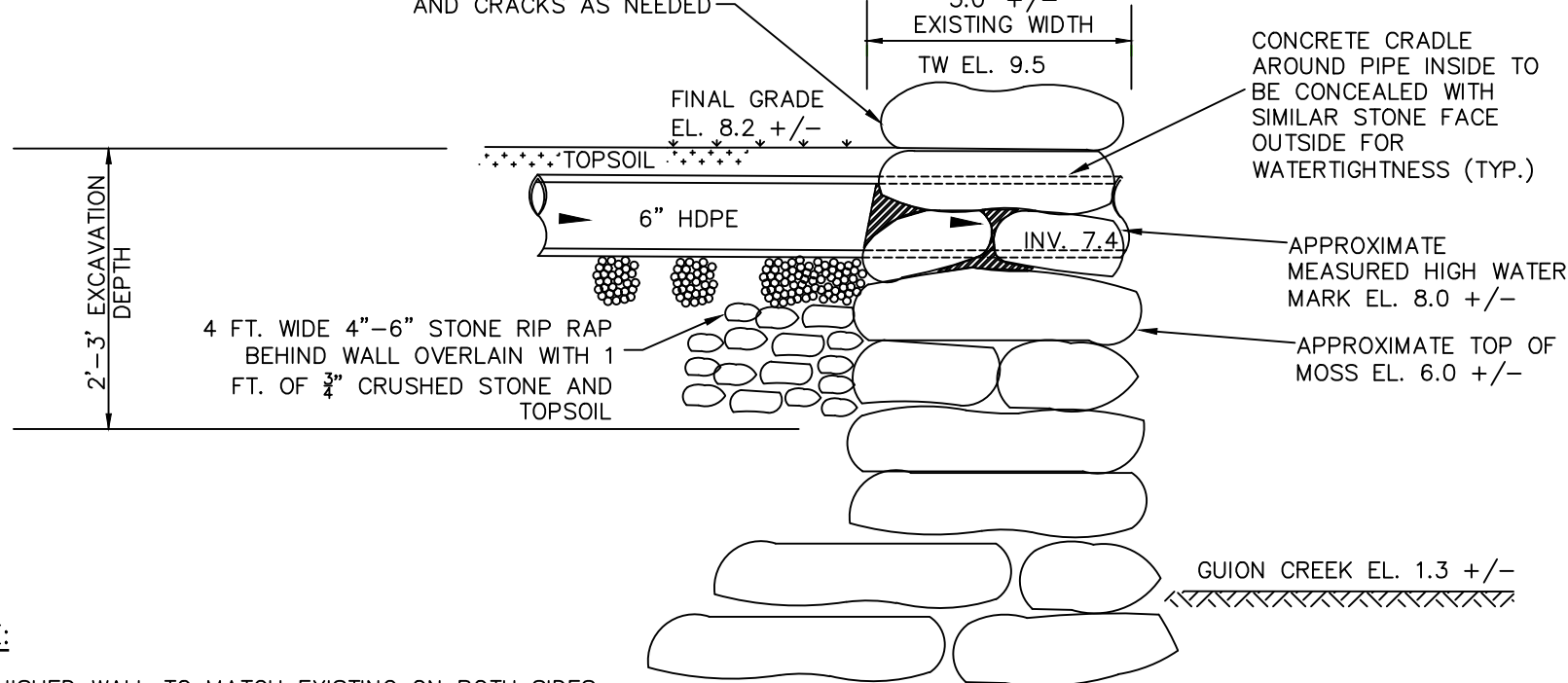
All figures in feet relative to MLLW



TIDE CHART

N.T.S.

REPAIR ANY EXPOSED BREAKS AND CRACKS AS NEEDED



SEA WALL DETAIL

N.T.S.

CONSTRUCTION SEQUENCE

- EXCAVATE 4 FT. WIDE X 30 FT. LONG X 2-3 FT. DEEP TRENCH BEHIND WALL AS SHOWN ON SITE PLAN
- CAREFULLY HAND CHISEL OR CUT STONES AS NEEDED AROUND AFFECTED AREAS AND REMOVE FOR FUTURE USE
- PLACE PIPE AND PLACE INTERIOR CONCRETE SUPPORT CRADLE
- PLACE EXISTING STONES BACK IN AFFECTED AREAS WITH EXISTING STONES AND NEW MATCHING STONES AND MORTAR AS NEEDED TO CLOSE ANY HOLES AND GAPS
- BACKFILL WITH COMPACTED 4-6" STONE RIP RAP OVERLAIN WITH COMPACTED 3" CRUSHED STONE
- PLACE FILTER FABRIC AND TOPSOIL
- RE-SEED AFFECTED LAWN AREA PER DEC SEEDING SPECIFICATION

Condition 3—Vegetative Requirements & Compliance Form

Vegetation Requirements:

1) Site Preparation

- Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- Prepare seedbed by loosening soil to a depth of 4-6 inches.
- Lime to a pH of 6.5
- Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

2) Planting—Sunny Location.

Upon completing soil de-compaction, use a cultipacker type seeder if possible. Seed to a depth of 1/8 to 1/4 inch. If seed is to be broadcast, cultipack or roll after seeding. If hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

Species (% by weight)	lbs/1,000sq. ft.	lbs/acre
65% Kentucky bluegrass blend.....	2.0-2.6.....	85-114
20% perennial ryegrass.....	0.6-0.8.....	26-35
15% fine fescue.....	0.4-0.6.....	19-26
Total.....	3.0-4.0.....	130-175
or		
100% Tall fescue, Turf-type, fine leaf.....	3.4-4.6.....	150-200

- When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

Common white clover can be added to mixtures at the rate of 1-2 lbs/acre to help maintain green color during the dry summer period, however, they will not withstand heavy traffic. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedlings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/winter seedlings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

NYS DEC GRASS SEEDING SPECIFICATIONS

ROBERT ROSELLI, PE

PO BOX 837, MAHWAH, NJ 07430
213 ROUTE 100, KATONAH, NY 10536
TEL: (201) 993-0781 email: info@upstatedevelopment.com

PROPOSED DRAINAGE PLAN

716 & 722 GUION DRIVE AND 721 STUART AVE
VILLAGE OF MAMARONECK
WESTCHESTER COUNTY, NY

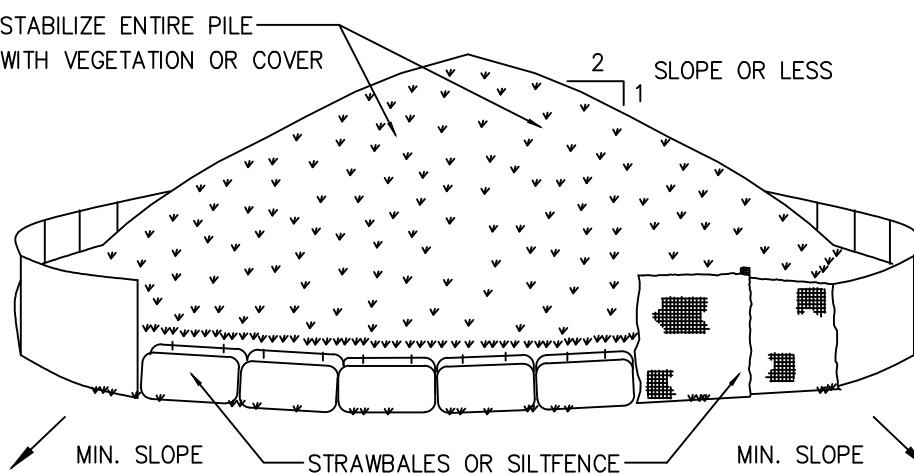
DRAWING NO:

1

SHEET 1 OF 1

SITE LOCATION

NTS



INSTALLATION NOTES

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
- SEE DETAIL FOR INSTALLATION OF SILT FENCE.

SOIL STOCKPILING

N.T.S.

EROSION CONTROL MEASURES AND CONSTRUCTION SEQUENCE

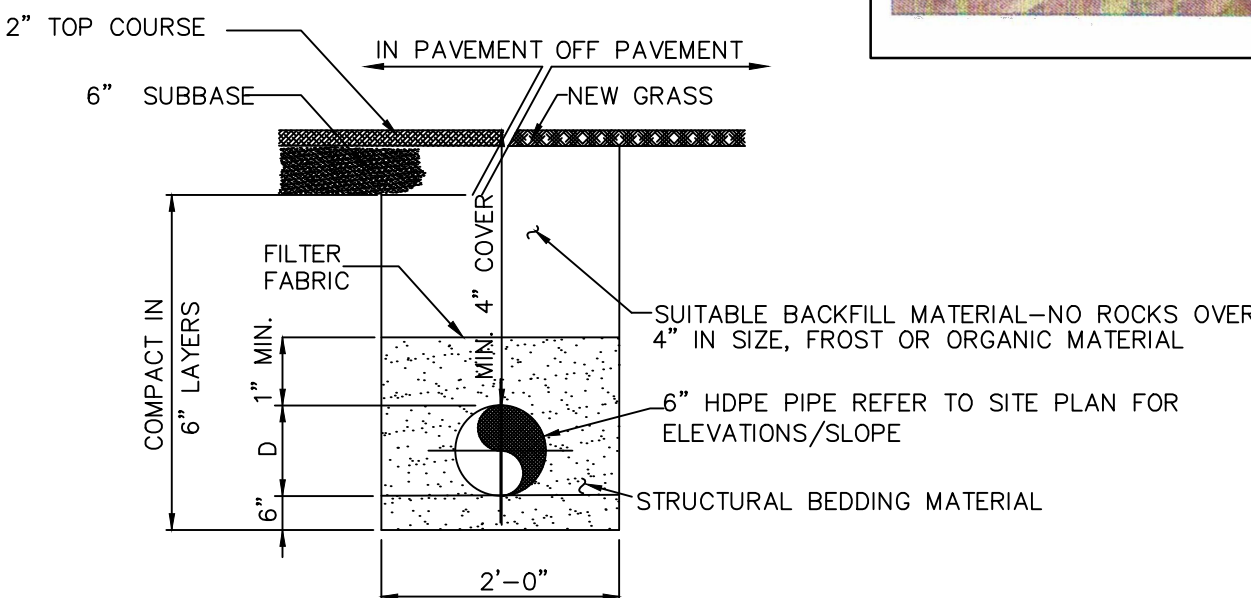
- OBTAIN ALL PERMITS AND PERMISSIONS FROM THE VILLAGE OF MAMARONECK
 - INSTALL SILT FENCE
 - CONSTRUCT NEW DRAINAGE STRUCTURES AND REPAIR SEA WALL AS NEEDED
 - IMPORT FILL/ROUGH GRADE
 - DURING CONSTRUCTION THE OWNER OR HIS REPRESENTATIVE SHALL INSPECT THE EROSION CONTROL MEASURES FOR STRUCTURAL INTEGRITY AND PROPER OPERATION. THE ENTIRE SITE TO BE INSPECTED AFTER EACH RAIN EVENT FOR SIGNS OF EROSION. ADJUSTMENTS TO BE MADE ACCORDINGLY
 - ADDITIONAL EROSION CONTROL MEASURES TO BE INSTALLED AT THE DIRECTION OF TOWN OF CARMEI ENGINEER, CONTRACTOR OR SITE ENGINEER FOR ANY UNFORESEEN CONDITIONS
 - COMPLETION, FINAL GRADE
 - AFTER ALL EARTHWORK IS COMPLETED ALL DISTURBED AREAS TO BE SEEDDED AND MULCHED PER SEEDING SPECIFICATIONS
 - ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED UPON STABILIZATION OF ALL DISTURBED AREAS
- NOTE:
—ANY SOLID WASTE GENERATED DURING CONSTRUCTION TO BE PROPERLY DISPOSED OF IN A DUMPSTER PROVIDED BY A LICENSED HAULER
—ANY SOIL STORED OVER 10 DAYS TO BE STOCKPILED AS PER THE STOCKPILE DETAIL
—THERE ARE NO TREES PROPOSED TO BE REMOVED

OWNER INFORMATION:

- PETER AND SARA RISTINE, 716 GUION DRIVE, VILLAGE TM 4-66H-161 TOWN TM 154.51-1-82
- BRENDAN LEWIS AND JESSICA DOYLE, 722 GUION DRIVE, VILLAGE TM 4-66-3 TOWN TM 154.51-1-83
- ALANNA AND SIMON HEFFENBACH, 721 STUART AVENUE, VILLAGE TM 4-66H-163 TOWN TM 154.51-1-74

GENERAL NOTES:

- THERE SHALL BE NO MODIFICATION OF THIS PLAN DUE TO UNFORESEEN SITE CONDITIONS OR ANY OTHER REASON WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER AND/OR THE VILLAGE OF MAMARONECK
- AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR IS TO CALL THE UNDERGROUND LINE LOCATION SERVICE CODE (CODE 53) @ 800-245-2828. CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL ABOVE GROUND AND BELOW GROUND UTILITIES THROUGHOUT ALL PHASES OF CONSTRUCTION. ANY TRENCHING TO COMPLY WITH ALL OSHA AND NY STATE DEPT. OF LABOR GUIDELINES
- NO TRENCHING TO BE LEFT OPEN OVERNIGHT
- TOPOGRAPHICAL AND SURVEY INFORMATION HEREON IS BASED ON SURVEY PREPARED BY LINK LAND SURVEYING, MAHWAH, NY, JOSEPH LINK, NY PLS, DATED JANUARY 28, 2019. DATUM IS NAVD83
- THE PROJECT SITE IS FEMA FLOOD ZONE AE PER MAP NUMBER 36119C0353F EFFECTIVE 9/28/2007

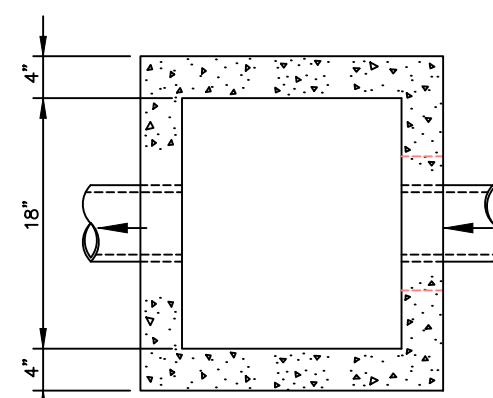


DRAINAGE PIPE TRENCH DETAIL

N.T.S.

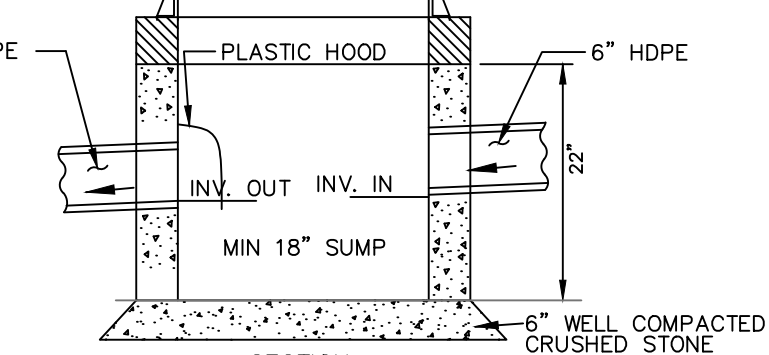
NOTES

- STRUCTURAL BEDDING MATERIAL TO BE 3" COMPACTED CRUSHED STONE OR EQUAL
- ALL PIPE TO BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS



CATCH BASIN

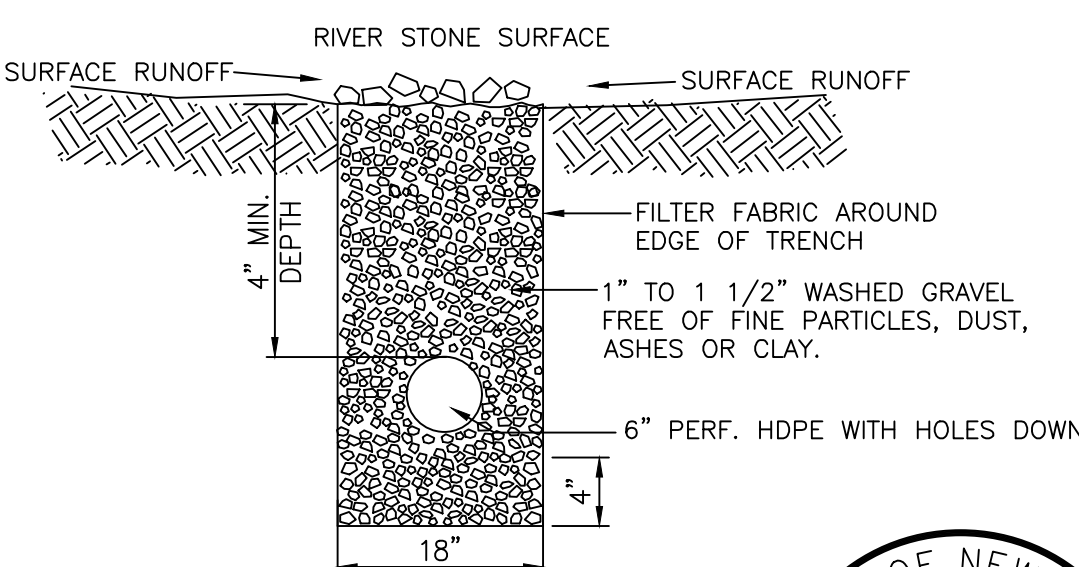
N.T.S.



SILT FENCE DETAIL

N.T.S.

- REQUIREMENTS FOR SILT FENCE:
- FENCE POSTS SHALL BE SPACED 8 FT. CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
 - A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
 - A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, CROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE PORTION OF THE FENCE FOR ADDED STRENGTH.

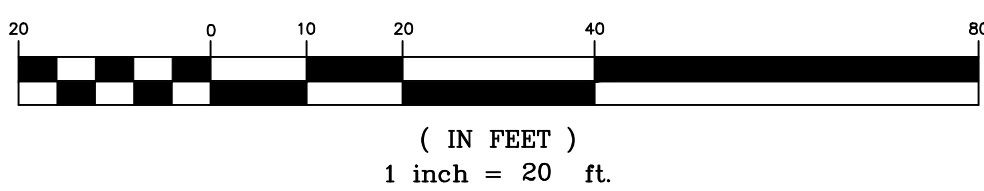


PERFORATED PIPE TRENCH DRAIN

N.T.S.

PROPOSED STREAM DRAINAGE & GRADING PLAN

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

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- ADD TIDE CHART, WETLAND BUFFER PER VILLAGE PLANNER
- ADD FEMA 100 YEAR FLOOD LINE
- REMOVE PROPOSED FILL; ADDRESS HCZMC COMMENTS

REVISION

DATE	APPROVED
04.09.19	RR
05.30.19	RR
06.27.19	RR

DESIGNER: RR
DRAWN BY: RR
CHECK BY: RR
DATE: 04.09.19
SCALE: as shown
PROJECT NO.: ristine



ROBERT ROSELLI, P.E.
N.Y. LIC. NO. 078664