344 NORTH BROADWAY UPPER NYACK, NY

PROJECT NARRATIVE

A NEW ADDITION IS PROPOSED AT THE

EXISTING DWELLING IS TO REMAIN AND THE

DEVELOPED LOT AND BUILDING USE AS

ABOVE-REFERENCED ADDRESS, COMPRISED OF A

PROPOSED GARAGE AND 2ND FLOOR ADDITION. THE

SINGLE-FAMILY RESIDENCE IS TO CONTINUE. A NEW

STORMWATER MANAGEMENT SYSTEM IS PROPOSED

TO INFILTRATE STORMWATER FROM THE NEW ROOF.

OWNER: WILLIAM ZOBRIST & **HOLLY CULLEN**

ZONING INFORMATION

344 NORTH BROADWAY UPPER NYACK, NY 10960 **SECTION: 60.13** BLOCK: 3

LOT: 56 ZONE: R-30

GROSS LOT AREA: 1.26 ACRES (55,669 SF)

CONSTRUCTION NOTES:

- EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS, PRIVATE RECORDS AS SUPPLIED BY THE OWNER, OR DATA OBTAINED VERBALLY FROM OWNERS OR OFFICIALS FAMILIAR WITH THE PROJECT SITE. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS ON THE CONSTRUCTION PLANS. OTHER UNDERGROUND FACILITIES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL INVERT ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- IF CHANGED CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF EITHER (1) PREEXISTING SUBSURFACE CONDITIONS DIFFERING FROM THOSE INDICATED IN THE PLANS, OR (2) PREEXISTING UNKNOWN SUBSURFACE CONDITIONS OF AN UNUSUAL NATURE, DIFFERING MATERIALLY FROM THOSE ORIGINALLY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN THE CHARACTER OF THE WORK PROVIDED FOR IN THE CONTRACT. THE CONTRACTOR AND/OR OWNER SHALL MAKE NO CLAIMS TO THE ENGINEER FOR RECOMPENSATION FOR EXTRA WORK RESULTING FROM CHANGED CONDITIONS UNLESS THE ENGINEER HAS APPROVED THE WORK IN WRITING.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVED CITY ORDINANCES AND SHALL POST SUCH DOCUMENTS AT VISIBLE LOCATIONS AND MAINTAIN UPDATED DOCUMENTATION ACCORDINGLY.
- CONTRACTOR SHALL CALL THE UTILITIES UNDERGROUND LOCATION CENTER FOR FIELD LOCATIONS OF ALL UTILITIES AND SHALL NOT BEGIN EXCAVATION UNTIL ALL KNOWN UNDERGROUND FACILITIES IN THE VICINITY OF THE PROPOSED WORK HAVE BEEN LOCATED AND MARKED. IF THE UTILITY IS NOT A SUBSCRIBER OF THE UTILITIES UNDERGROUND LOCATION CENTER, THEN THE CONTRACTOR SHALL GIVE NOTICE TO THAT UTILITY.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL INFORMATION PROVIDED BY UTILITY PURVEYORS, AND CITY OR STATE RECORDS RELATED TO THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO THESE FACILITIES AND SHALL RESTORE ALL UTILITIES AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY ALL UTILITY SERVICES FOR TEMPORARY SHUT OFF AS REQUIRED. CONTRACTOR SHALL MAINTAIN AND PROTECT SERVICES AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
- NO PUBLIC WAYS OR WALKS MAY BE OBSTRUCTED WITHOUT THE WRITTEN PERMISSION OF GOVERNING AUTHORITIES AND OF THE OWNER. WHERE ROUTES ARE PERMITTED TO BE CLOSED, PROVIDE ALTERNATE ROUTES AND SIGNAGE IF REQUIRED.
- 8. WET DEBRIS WITH WATER AS NECESSARY TO LIMIT DUST TO LOWEST PRACTICAL LEVEL. DO NOT WET TO THE EXTENT OF FLOODING, CONTAMINATED RUNOFF, OR ICING.
- 9. ANY PORTIONS OF PAVEMENT TO BE REMOVED MUST BE SEPARATED BY MAKING A NEAT VERTICAL SAW CUT ALONG THE BOUNDARIES OF THE AREA TO BE REMOVED. MAKE CUTS AT CLOSEST PAVING
- 10. PROVISIONS SHALL BE MADE TO ALLEVIATE THE SPREAD OF DEBRIS. DIRT, AND DUST TO THE ADJACENT PROPERTIES. THE PROPERTY SHALL BE KEPT AS CLEAN AS POSSIBLE AT ALL TIMES. MAINTAIN HAULING ROUTES CLEAN AND FREE OF ANY DEBRIS RESULTING FROM DEMOLITION WORK ON THIS PROJECT. ANY HAZARDOUS MATERIAL REMOVAL, SUCH AS ASBESTOS REMOVAL, SHALL BE PERFORMED PRIOR TO ANY DEMOLITION ACTIVITY. THE HAZARDOUS MATERIAL REMOVAL SHALL BE PERFORMED BY A LICENSED ABATEMENT COMPANY.
- 11. THE REFUSE RESULTING FROM ANY CLEARING AND GRUBBING AND ALL DEBRIS AND MATERIALS FROM THE STRUCTURE(S) TO BE DEMOLISHED SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER CONSISTENT WITH ALL GOVERNMENT REGULATIONS. IN NO CASE SHALL REFUSE MATERIAL BE LEFT ON THE PROJECT SITE, PUSHED ONTO ABUTTING PRIVATE PROPERTIES, OR BE BURIED IN EMBANKMENTS OR TRENCHES ON THE PROJECT SITE. DEBRIS SHALL NOT BE DEPOSITED IN ANY STREAM, LAKE, WETLAND, BODY OF WATER, OR IN ANY STREET OR ALLEY, OR UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PRIVATE PROPERTY OWNER. NO RECLAIMED LUMBER OR MATERIALS SHALL BE RE-USED EXCEPT AS SPECIFICALLY APPROVED BY THE ARCHITECT OR OWNER.

SANITARY SEWER LINE REQUIREMENTS

- CLEANOUTS SHALL BE PROVIDED ON SEWER LINES WHEREVER A GRADE CHANGE OR ALIGNMENT CHANGE IS MADE (SEE CLEANOUT DETAIL FOR MORE INFO)
- 2. SEWER LINES SHALL BE SEPARATED FROM POTABLE WATER LINES BY A MINIMUM OF 10' HORIZONTAL
- SEWER LINES CROSSING POTABLE WATER LINES JOINTS MUST BE MINIMUM OF 18' BELOW WATER LINES. WATER LINES MUST BE MINIMUM 10' FROM POINT OF CROSSING. SEWER LINES ARE TO BE MINIMUM 10' FROM POINT OF CROSSING. SEWER LINES ARE TO BE CONSTRUCTED TO STANDARDS EQUIVALENT TO WATER MAIN SPECIFICATIONS AND SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING
- GRAVITY LINES SHALL BE A MINIMUM OF 4"
- 5. LINES MUST BE OF CAST IRON PIPE FOR A MINIMUM DISTANCE OF 2' BEYOND FOUNDATION WALL 6. GRAVITY LINES TO BE PITCHED MINIMUM 1/4" VERTICAL PER 1' HORIZONTAL, UNLESS NOTED
- 7. TRENCHES ARE TO BE FIRMLY TAMPED BY HAND ABOUT THE PIPE

DRAWING LIST

HEET	DWG	NAME
	C-001	TITLE PAGE & NOTES
	C-100	SITE PLAN, PART PLAN, AREA CALCS
	C-200	CIVIL DETAILS
	C-300	TYP. CULTEC DETAILS

SEDIMENT & EROSION CONTROL DETAILS

					Zone :	= R-30				
	Minimum Net Lot Area (SF)	Minimum Lot Width	Minimum Frontage	Minimum Required Front Yard	Minimum Required Side Yard / Total	Minimum Required Rear Yard	Minimum Required Building Height (Principal/accessory)	Max Development Coverage	Max Building Coverage	Max F.A.R.
REQUIRED	30,000	100 FT	100 FT	35 FT	25 FT / 50FT	25 FT	28 SF / 15 FT	25 % of Net Lot	12 % of Net Lot	0.2
EXISTING	52,623	29'-6"	50'-5""	36 FT	48.5 FT / 130.5 FT	145.4 FT	23'-4"	18.81%	3.72%	0.058
PROPOSED	52,623	*29'-6"	*50'-5""	36 FT	48.5 FT / 119.4 FT	NO CHANGE	NO CHANGE	NO CHANGE	4.40%	0.074

Upper Nyack Zoning Ordinance

*EXISTING NON-CONFORMING. NO PROPOSED CHANGE

LEGEND: PROPOSED STORM COMPONENT PROPOSED ADDITION FOOTPRINT AVENUE **IMPERVIOUS ROOF** BUILDING FOOTPRINT PROPERTY LOCATION EXISTING SITE STRUCTURE 60.13-3-56 STORM CATCH BASIN ADJACENT BUILDING MAJOR TOPO CONTOUR MINOR TOPO CONTOUR PROPOSED TOPO CONTOUR **VICINITY MAP** 10' OFFSET FROM COMPONENT SCALE: 1" = 100'-0" AREA OF WORK (2000 SF) __ SF ___ SF ___ EXISTING TREE TO REMAIN AREA DECUCTIONS EXISTING TREE TO BE REMOVED NEW PAVEMENT (NONE) 2.1.58.1 WATERBODY DEDUCTION 50% OF AREA OF ANY... WATER PAVEMENT / STRUCT. T.B.R. BODIES... DESIGNATED ON FEMA 100-YEAR FLOOD MAP PROPOSED SPOT ELEVATION 2.1.58.2,3 SLOPE DEDUCTION 50% AND 100% OF THE AREA OF

National Flood Hazard Layer FIRMette Legend With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone NO SCREEN Area of Minimal Flood Hazard Zone A Effective LOMRs Area of Undetermined Flood Hazard Zo GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES | | Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundar -- -- Coastal Transect Baseline OTHER - Profile Baseline FEATURES | Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS The pin displayed on the map is an approxim point selected by the user and does not repres This map complies with FEMA's standards for the use of he basemap shown complies with FEMA's basemap The flood hazard information is derived directly from the thoritative NFHL web services provided by FEMA. This map was exported on 11/6/2023 at 9:26 AM and does not reflect changes or amendments subsequent to this date and ime. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, FIRM panel number, and FIRM effective date. Map images fo unmapped and unmodernized areas cannot be used for Basemap Imagery Source: USGS National Map 2023

SITE/CIVIL CONSTRUCTION SEQUENCING:

INSTALL SILT FENCE, EROSION CONTROL, AND CONSTRUCTION FENCE

ANY LAND WITH A SLOPE OF 26-39% AND > 40% RESPECTIVELY

- PERFORM DEMOLITION AS PER SPECIFICATIONS
- REMOVE ALL DEBRIS AS PER SPECIFICATION
- INSTALL ALL ADDITIONAL EROSION CONTROL AND STABILIZATION OF DEMO. AREAS REMOVE CONSTRUCTION FENCING, ENSURE PROPER MAINTENANCE OF SILT FENCING
- 6. INSTALL SUBSURFACE UTILITIES, FOUNDATION & ROUGH SITEWORK (MINOR REGRADING) PROVIDE TEMP. SEEDING / SODDING &
- **EROSION CONTROL MEASURES**
- CONSTRUCTION OF DWELLING SITE STRUCTURES, REPAIR OF EXISTING STRUCT. & UTILIZATION OF TEMPORARY STAGING AREA
- 8. REMOVE EXISTING PARKING / STAGING AREA INSTALL MISC. SITE STRUCT & PERFORM FINISH GRADING
- 10. REMOVE TEMP. EROSION CONTROL MEASURES, INSTALL NEW PAVEMENT & PERMANENT LANDSCAPING. SITE STABILIZATION (80% UNIFORM DENSITY OF VEGETATION) MUST BE ACHIEVED PRIOR TO REMOVING TEMPORARY EROSION CONTROL MEASURES.

STORM WATER SYSTEM CLEANING AND MAINTENANCE:

STORM WATER SYSTEM SHOULD BE CLEANED OF LEAVES, SAND, DIRT, SEDIMENT, TRASH AND OTHER DEBRIS BY HAND OR BY VACTOR TRUCK. THE SYSTEM IS TO BE EVALUATED, CLEANED AND MAINTAINED AT LEAST TWO TIMES PER YEAR. SURFACE GRATES AND INTERIOR SUMPS SHOULD BE MAINTAINED TO FUNCTION AS ORIGINALLY DESIGNED. SEE MAINTENANCE PLAN ON FILE WITH BOTH THE PROPERTY OWNER AND THE LOCAL BUILDING DEPARTMENT FOR MORE DETAILS.

SITE PLAN UNIFORM NOTES

1. PR	OPERTY REFERENCE:	APPROVED BY VILLA	AGE OF UPPER NYACK TRUSTEES
SE	CTION: 60.13		
BL	OCK: 3		
LO	PT: 56		
2. OV	VNER: DR HOLLY CULLEN		
AN	ID WILLIAM ZOBRIST		
34	4 NORTH BROADWAY,		
UP	PPER NYACK, NY 10960		
AP	PPLICANT: JOREL VACCARO, PE	NAME	DATE

SURVEY METES AND BOUNDS AND ANY OTHER INFORMATION TAKEN FROM JAY A. GREENWELL, PLS, LLC LAND PLANNING AND LAND SURVEYING. 34 WAYNE AVENUE SUFFERN, NEW YORK 10901

4. DATUM ELEVATIONS NY, I.E. NAVD-1988 ETC.

307 MCLEAN AVENUE YONKERS, NY 10705

DISTRICTS ZONING: R-30 SCHOOL: NYACK UNION FREE FIRE: NYACK

WATER: VEOLIA LIGHTING: CLARKSTOWN CONSOLIDATED SEWER: ORANGETOWN

6. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239 OF THE NEW YORK GENERALMUNICIPAL LAW.

7. ALL NEW UTILITY SERVICES SHALL BE INSTALLED UNDERGROUND

IRON PINS 3/4" IN DIAMETER AND MINIMUM 30" LONG SHALL BE INSTALLED AT LOT CORNERS AFTER FINAL GRADING.

9. PLAN IS SUBJECT TO ALL STATE, COUNTY AND LOCAL CONSTRUCTION AND UTILITY STANDARDS AS APPLICABLE 10. THE ENGINEER SHALL COMPLY WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND THE "NEW YORK STATE STANDARDS FOR URBAN EROSION AND SEDIMENT CONTROL".

11. SUBJECT TO STORMWATER MAINTENANCE AGREEMENT FILED IN THE ROCKLAND COUNTY CLERKS OFFICE IF APPLICABLE 12. RETAINING WALL SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE STATE OF NY AND DESIGN SHALL BE SUBMITTED

FOR REVIEW WITH THE APPLICATION FOR BUILDING PERMIT. CERTIFICATION OF CONSTRUCTION IN ACCORDANCE WITH THE DESIGN, BY A NYS LICENSED PROFESSIONAL ENGINEER, SHALL BE SUBMITTED PRIOR TO APPLICATION FOR CERTIFICATION OF OCCUPANCY.

13. SITE PLAN APPROVAL FOR THE APPLICAITON WITH GRANTED BY RESOLUTION OF THE VILLAGE OF UPPER NYACK PLANNING BOARD DATED: ONCE THIS SITE PLAN IS SIGNED BY THE PLANNING BOARD CHAIR, IT SHALL EXPIRE IF

A BUILDING PERMIT HAS NOT BEEN ISSUED FOR CONSTRUCTION IN ACCORDANCE WITH AN APPROVED SITE PLAN WITHIN 18 MONTHS OF THE DATE THAT THE SITE PLAN WAS SIGNED BY THE PLANNING BOARD CHAIR OR IF ALL IMPROVEMENTS PERMITTED OR REQUIRED BY THE SITE PLAN APPROVAL ARE NOT COMPLETED AND A CERTIFICATE OF OCCUPANCY AND/OR CERTIFICATE OF COMPLIANCE HAS NOT BEEN ISSUED WITHIN 2 YEARS OF THE DATE THAT THE BUILDING PERMIT IS ISSUED. UNLESS EXTENDED PURSUANT TO VILLAGE OF UPPER NYACK ZONING LAW (LOCAL LAW #5 OF 2022 AS AMENDED). §10.4.1.2.

THE USE FOR WHICH SITE PLAN APPROVAL WAS GRANTED HAS SUBSTANTIALLY CEASED FOR A PERIOD OF 12 CONSECUTIVE MONTHS. VILLAGE OF UPPER NYACK ZONING LAW (LOCAL LAW #5 OF 2022 AS AMENDED), §10.4.1.3.

[FOR USES PERMITTED PURSUANT TO SPECIAL USE PERMIT APPROVAL]: THE SITE PLAN APPROVAL FOR SUCH USE SHALL EXPIRE UPON THE EXPIRATION OF THE SPECIAL USE PERMIT PURSUANT TO SECTION 9.4 OF THE VILLAGE OF UPPER NYACK ZONING LAW, LOCAL LAW 5 OF 2022. VILLAGE OF UPPER NYACK ZONING LAW (LOCAL LAW #5 OF 2022 AS AMENDED),

14. THIS SITE PLAN IS SUBJECT TO COMPLIANCE WITH ALL LAWS, REGULATIONS, ORDINANCES AND SPECIFICATIONS OF THE VILLAGE OF UPPER NYACK.

15. IF THIS PROPERTY HAS BEEN THE SUBJECT OF REVIEW BY THE VILLAGE OF UPPER NYACK ZONING BOARD OF APPEALS AND/OR PLANNING BOARD. THIS APPROVAL PERMITS THE CONSTRUCTION OF BUT DOES NOT OTHERWISE AFFECT OR ALTER SUCH PRIOR APPROVALS OR ANY CONDITIONS THERETO.

16. NO OUTDOOR LIGHTING SHALL PRODUCE ILLUMINATION BEYOND THE BOUNDARIES OF THE LOT ON WHICH IT IS LOCATED. AND LIGHT SOURCES SHALL BE SHIELDED FROM ADJACENT PROPERTIES

17. ANY CHANGES OR MODIFICATIONS TO THIS SITE PLAN REQUIRE AMENDED SITE PLAN APPROVAL FROM THE VILLAGE OF UPPER NYACK PLANNING BOARD.

18. THE CONTINUED VALIDITY OF ANY CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE FOR THE IMPROVEMENTS DEPICTED ON THIS PLAN SHALL BE SUBJECT TO CONTINUED CONFORMANCE WITH THIS SITE PLAN AND THE CONDITIONS HERETO.

19. EXCAVATED MATERIAL WILL BE REMOVED.

20. THE PLANS AND SPECIFICATIONS DEPICTED ON THESE DRAWINGS ARE IN COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AS CURRENTLY IN EFFECT.

21. [IF REQUIRED] PERCOLATION TEST SHALL BE PERFORMED AT THE TIME OF BUILDING PERMIT APPLICATION, WITH RESULTS TO BE PROVIDED TO VILLAGE ENGINEER TO VERIFY DRYWELL DESIGN. DESIGN SHALL BE REVISED AS REQUIRED BASED ON PERCOLATION RATE OF SITE SOILS.

PLANTING & LANDSCAPING NOTES

- 1. ALL PLANTING SHALL BE PLACED UNDER THE DIRECTION OF THE DESIGN PROFESSIONAL. GIVE 48 HOURS' NOTICE BEFORE PLANTING. FINAL CONFIGURATION UPON REVIEW AND COORDINATION WITH PROJECT ENGINEER.
- 2. ALL PLANTS SHALL BE NURSERY-GROWN PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF
- NURSERYMEN STANDARDS AND SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL BEFORE AND AFTER PLANTING. 3. GUARANTEE ALL PLANTS AND WORKMANSHIP FOR A PERIOD OF TWO PLANTING SEASONS. (ONE FULL YEAR)

4. PLACE 4" OF TOPSOIL ON ALL LAWN AREAS AND ALL AREAS NOT PAVED OR BUILT UPON.

5. PLANT PITS SHALL BE 36" WIDER FOR TREES (MINIMUM OF TWO TIMES ROOT BALL DIAMETER) AND 24" WIDER FOR SHRUBS, AND AS DEEP AS THE ROOT BALL. SET PLANTS AT SAME LEVEL AS ORIGINALLY GROWN ON BASE OF UNDISTURBED SOIL. THE TRUNK FLARE AND ROOT COLLAR SHALL BE VISIBLE AT THE TOP OF THE PLANT BED AT THE TIME OF FINAL INSPECTION. REMOVE ALL EXISTING SOIL FROM PLANT PIT AND BACKFILL WITH A MIXTURE OF ONE PART PEAT HUMUS; ONE PART DEHYDRATED COW MANURE; AND FOUR PARTS TOPSOIL. FERTILIZE ALL PLANTS WITH 2 TO 3 OZ. PER FOOT OF SHRUB HEIGHT AND 2 TO 3 LBS. PER INCH OF TREE TRUNK OF 5-10-5 FERTILIZER. FOR EVERGREEN PLANTING, ADD 1 LB. PER 100 SQUARE FEET OF PLANT BED EACH OF AMMONIUM SULFATE AND SUPERPHOSPHATE. LOOSEN SOIL AROUND EDGES OF PLANT PIT.

6. FERTILIZE AREAS BEFORE SEEDING OR SODDING WITH 15 LBS. PER 1000 SQUARE FEET OF 10-20-10 FERTILIZER OR APPROVED EQUIVALENT. REPEAT AFTER 8 WEEKS.

7. MULCH ALL PLANTS AND PLANTED AREAS WITH A 4" DEPTH OF SHREDDED PINE, OAK BARK OR OTHER SHREDDED BARK, TREATED FOR FIRE REPELLENCY. DO NOT PLACE MULCH AGAINST TREE OR SHRUB TRUNK. THE TRUNK FLARE AND ROOT COLLAR SHALL BE VISIBLE AT THE TOP OF THE PLANT BED WITH NO MULCH AGAINST TRUNK. DO NOT CREATE MOUND OF MULCH AROUND TREE. FINISH GRADE TO BE SAME AS ORIGINALLY GROWN.

8. LAWN AREAS SHALL BE SEEDED AT 5 LBS. PER 1000 SQUARE FEET WITH THE FOLLOWING SEED MIXTURE: 20% JAMESTOWN II CHEWINGS FESCUE, 60% BARON KENTUCKY BLUEGRASS, AND 20% PALMER II PERENNIAL RYE, OR APPROVED EQUIVALENT. MULCH NEWLY SEEDED LAWN AT 90 LBS. PER 1000 SQUARE FEET WITH HAY OR STRAW MULCH.

9. THE CONTRACTOR IS RESPONSIBLE TO PLANT THE TOTAL QUANTITIES OF ALL PLANTS SHOWN ON THE PLANTING PLAN. THE QUANTITIES

OF PLANTING SHOWN GRAPHICALLY ON THE PLAN SHALL GOVERN.

10. EXISTING TREES SHOWN ON THIS PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 6-FOOT HIGH WOODEN FENCE WITH POSTS PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE SHOWN TO REMAIN THAT IS REMOVED DURING CONSTRUCTION SHALL BE REPLACED BY A 4" CALIPER SHADE TREE AS DIRECTED BY THE DESIGN PROFESSIONAL. WHEN AN AREA OF EXISTING TREES IS SHOWN TO BE SAVED, AND AN AREA OF SUCH TREES HAS BEEN REMOVED, A 2 1/2" - 3" CAL. SHADE TREE SHALL BE REPLACED FOR EACH 200 SQUARE FEET OF AREA DISTURBED.



THE ENTIRE CONTENTS OF THIS DOCUMENT, INCLUDING ALL SKETCHES, PLAN STUDIES, DRAWINGS, SCHEDULES, AND SPECIFICATIONS, AND ALL COPYRIGH INEREIN, ARE AND SHALL REMAIN THE SOLE AND EXCLUSIVE PROPERTY (RYPTON ENGINEERING, PLLC. THE DOCUMENTS AND THEIR CONTENTS M. HOT BE USED, PHOTOCOPIED OR REPRODUCED DIGITALLY, ELECTRONICALLY ON ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT (RYPTON ENGINEERING, PLLC. ORIGINAL SHEET SIZE 24X36

REVISIONS:

344 N BROADWAY UPPER NYACK, NY

TITLE PAGE

SEAL & SIGNATURE:

SCALE:

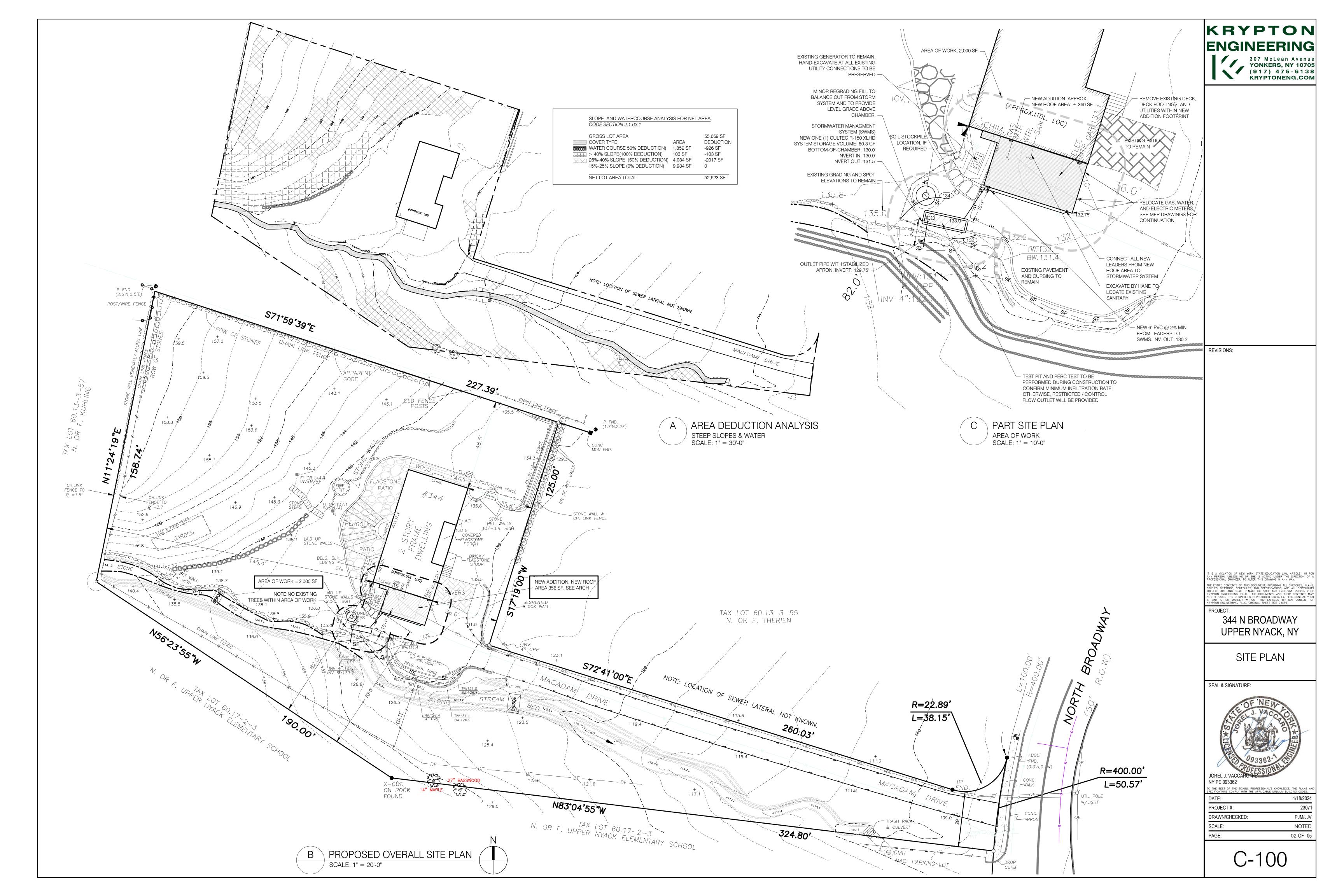
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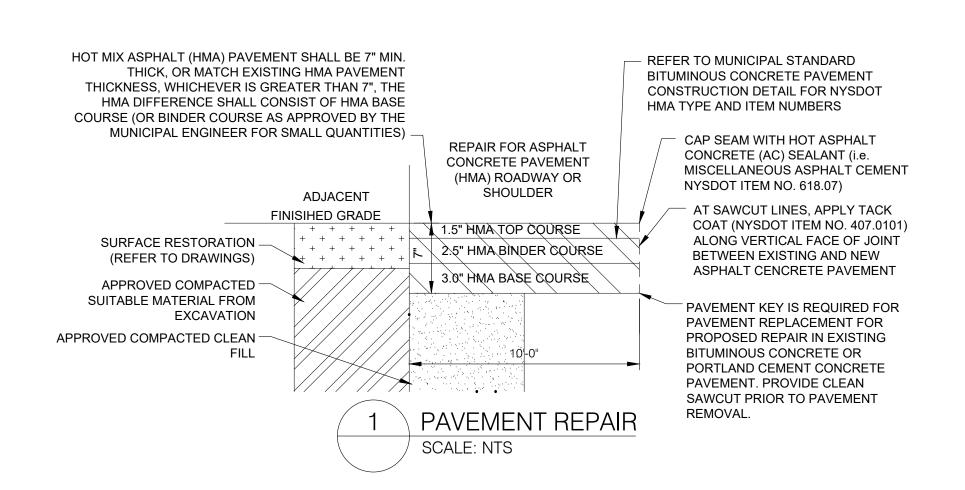


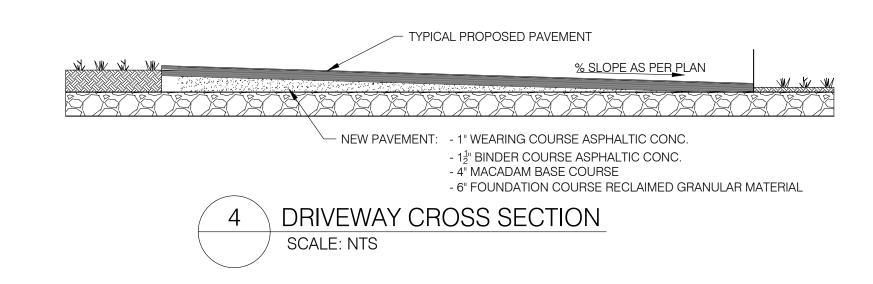
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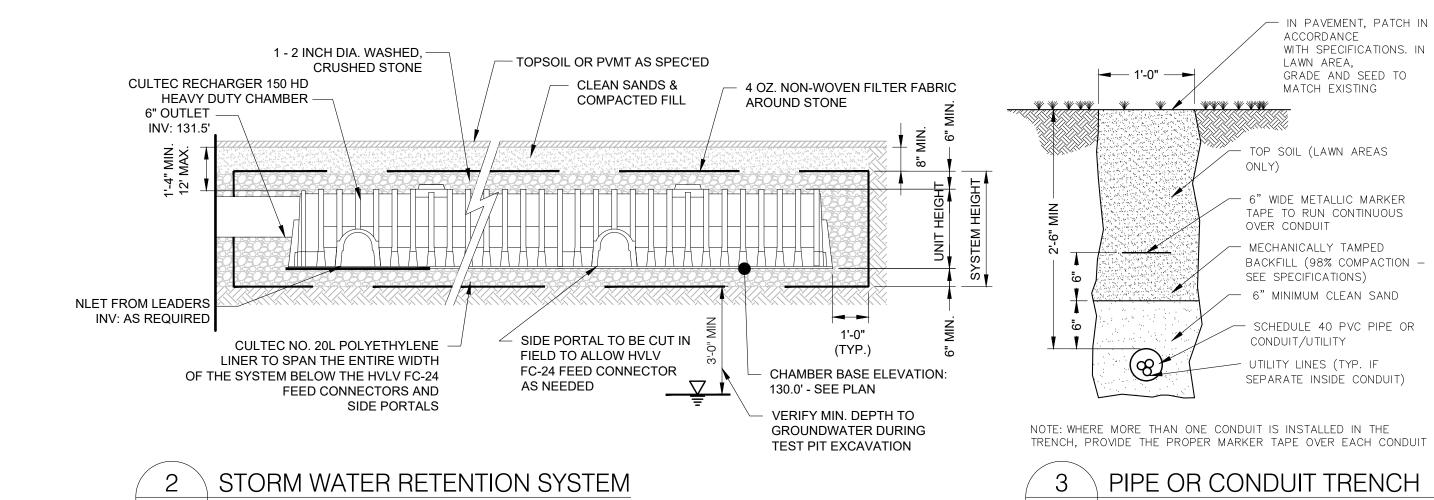
NOTED

01 OF 05









WATER MAIN

- EX'G WATER

MAIN JOINT

- NEW SEWER LINE

EX'G WATER MAIN

CROSSING BENEATH

L/2

WATER-SEWER CROSSING

SCALE: NTS

V.I.F. EXISTING INVERT AT CROSSING

NEW SEWER LINE

3. L/2 = 5'-0'' MIN

LOCATION.

1. NOTIFY KE IMMEDIATELY IF WATER MAIN INVERT IS

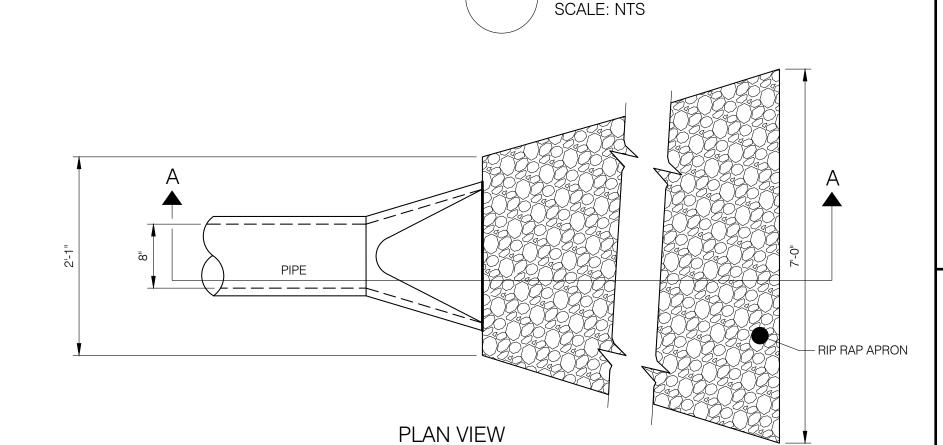
2. WORK WITH REFERENCE DRAWING NEW YORK

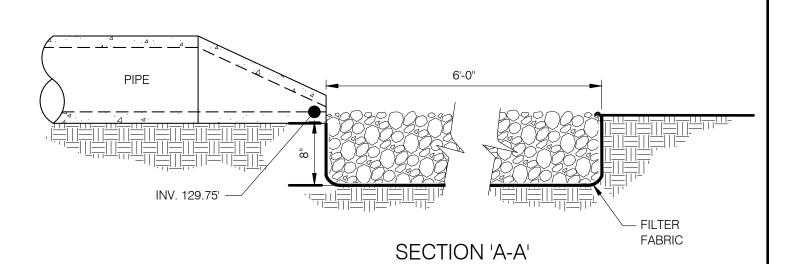
STATE DOT 663-01 AND WESTCHESTER JOINT

WITHIN 18" OF PROPOSED LOCATION OF TOP OF

WATERWORKS (WJWW) 8/SD-1 (STANDARD DETAIL 8)

SCALE: NTS





STABILIZED DISCHARGE FOR STORM PIPE

KRYPTON

ENGINEERING

307 McLean Avenue YONKERS, NY 10705 (917) 475-6138 KRYPTONENG.COM

/ IN PAVEMENT, PATCH IN

GRADE AND SEED TO

WITH SPECIFICATIONS. IN

ACCORDANCE

LAWN AREA,

- TOP SOIL (LAWN AREAS

— 6" WIDE METALLIC MARKER

- MECHANICALLY TAMPED

- 6" MINIMUM CLEAN SAND

SCHEDULE 40 PVC PIPE OR

SEPARATE INSIDE CONDUIT)

- UTILITY LINES (TYP. IF

SEE SPECIFICATIONS)

CONDUIT/UTILITY

BACKFILL (98% COMPACTION -

OVER CONDUIT

TAPE TO RUN CONTINUOUS

ONLY)

PIPE OR CONDUIT TRENCH

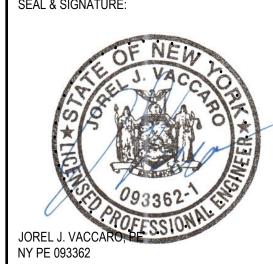
MATCH EXISTING

344 N BROADWAY UPPER NYACK, NY

SITE CIVIL DETAILS

SEAL & SIGNATURE:

REVISIONS:



1/18/2024 PROJECT #: 23071 DRAWN/CHECKED: PJM/JJV NOTED PAGE: 03 OF 05

C-200

CULTEC RECHARGER® 150XLHD SPECIFICATIONS CULTEC RECHARGER® 150XLHD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER CHAMBER PARAMETERS 1. THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832) 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE 3. THE CHAMBER SHALL BE ARCHED IN SHAPE. 4. THE CHAMBER SHALL BE OPEN-BOTTOMED. 5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB NO SEPARATE COUPLINGS OR SEPARATE END WALLS. INSTALLED LENGTH OF A JOINED RECHARGER 150XLHD SHALL BE 10.25 FEET (3.12 m).

METHOD, CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING 6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 150XLHD SHALL BE 18.5 INCHES (470 mm) TALL, 33 INCHES (838 mm) WIDE AND 11 FEET (3.35 m) LONG. THE

7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 12 INCHES (300 mm) HDPE OR 15" (375 mm) SMOOTH-WALL PVC.

8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV® FC-24

FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. THE NOMINAL INSIDE

DIMENSIONS OF EACH SIDE PORTAL SHALL BE 8.5 INCHES (216 mm) HIGH BY 12 INCHES (304 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 10.25 INCHES (260 mm). 9. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV® FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (615

10. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 150XLHD CHAMBER SHALL BE 2.650 FT³ / FT (0.246 m³ / m) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 150XLHD SHALL BE 27.16 FT3 / UNIT (0.77 m³ / UNIT) - WITHOUT

11. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT3 / FT (0.085 m3 / m) - WITHOUT STONE

12. THE RECHARGER 150XLHD CHAMBER SHALL HAVE THIRTY DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE LATERAL CONVEYANCE OF

13. THE RECHARGER 150XLHD CHAMBER SHALL HAVE 20 CORRUGATIONS.

14. THE ENDWALL OF THE CHAMBER, WHEN PRESENT, SHALL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH 15. THE RECHARGER 150XLRHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE

CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO

SEPARATE END PLATES OR SEPARATE ENDWALLS. 16. THE RECHARGER 150XLSHD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES (254 mm) HIGH

17. THE RECHARGER 150XLIHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES (254 mm) HIGH X 20.5 INCHES (521 mm) WIDE.

18. THE RECHARGER 150XLEHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.

19. THE HVLV® FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 150XLHD AND ACT AS CROSS FEED CONNECTIONS.

20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN

21. THE CHAMBER SHALL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR

22. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.

23. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.

24. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. 25. THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED TO MEET THE MATERIAL

AND STRUCTURAL REQUIREMENTS OF IAPMO PS 63-2019, INCLUDING RESISTANCE TO AASHTO H-10 AND H-20 HIGHWAY LIVE LOADS. WHEN INSTALLED IN ACCORDANCE WITH CULTEC'S INSTALLATION INSTRUCTIONS 26. THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH

THE SPECIFICATION OF NSAI IRISH AGREEMENT BOARD CERTIFICATE FOR CULTEC

27. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.65 m).

ATTENUATION AND INFILTRATION

CULTEC HVLV® FC-24 FEED CONNECTOR PRODUCT SPECIFICATIONS

CULTEC HVLV_FC-24 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER 150XLHD STORMWATER CHAMBERS

CHAMBER PARAMETERS

1. THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY

3. THE CHAMBER SHALL BE ARCHED IN SHAPE.

4. THE CHAMBER SHALL BE OPEN-BOTTOMED. 5. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 MM) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (614 mm) LONG

6. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT3 / FT (0.085 m³ / m)

7. THE HVLV FC-24 FEED CONNECTOR CHAMBER SHALL HAVE 2 CORRUGATIONS

POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.

8. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS

9. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

10. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR® AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION INTO THE STONE.

1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)

2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE 3. THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).

5. THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632 TESTING METHOD.

4. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632 TESTING

6. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING 7. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833 TESTING

8. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.

9. THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD. 10. THE GEOTEXTILE SHALL HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM D4751 TESTING METHOD. 11. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.

D4491 TESTING METHOD. 13. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

12. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER ASTM

CULTEC NO. 4800™ WOVEN GEOTEXTILE

CULTEC NO. 4800 WOVEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE. IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE

THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT.

(203-775-4416 OR 1-800-428-5832) THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE

THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X

2,448 N) PER ASTM D4632 TESTING METHOD. THE GEOTEXTILE SHALL HAVE A ELONGATION @ BREAK RESISTANCE OF 20 X 20%

PER ASTM D4632 TESTING METHOD. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X

5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS/FT

(14 X 16 KN/M) PER ASTM D4595 TESTING METHOD.

OF 2,740 X 2, 740 LBS/FT (40 X 40 KN/M) PER ASTM D4595 TESTING METHOD. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 10% STRAIN OF 4,800 X 4,800 LBS/FT (70 X 70 KN/M) PER ASTM D4595 TESTING

9. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,700 LBS (7,560 N) PER ASTM D6241 TESTING METHOD. THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 180 X 180 LBS

(801 X 801 N) PER ASTM D4533 TESTING METHOD THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4751 TESTING METHOD.

12. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4491 TESTING METHOD 13. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 11.5 GPM/FT2 (470

LPM/M2) PER ASTM D4491 TESTING METHOD. 14. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.

6.0" [150 mm] DIA. INSPECTION PORT KNOCK-OUT MODEL 150XLRHD STAND ALONE SMALL RIB LARGE RIB MODEL 150XLSHD STARTER SMALL RIB LARGE RIB - 132.0" [3353 mm] -- INSTALLED LENGTH = 123.0" [3125 mm] LARGE RIB MODEL 150XLIHD INTERMEDIATE SMALL RIB LARGE RIB SMALL RIB — SIDE PORTAL FOR OPTIONAL INTERNAL MANIFOLD (ACCOMMODATES CULTEC HVLV FC-24 FEED CONNECTOR OR STORM PIPE) MAX. PIPE MODEL 150XLEHD END 10" [250 mm] HDPE MAX PIPE SIZE IN END WALL: 10" [250 mm] PVC 12" [300 mm] HDPE SMALL RIB LARGE RIB CULTEC RECHARGER 150XLHD CHAMBER STORAGE = 2.65 CF/FT INSTALLED LENGTH ADJUSTMENT = 0.75' [0.23 m]

CULTEC RECHARGER 150XLHD HEAVY DUTY THREE VIEW

- FINISHED GRADE

CULTEC HVLV FC-24 -

FEED CONNECTOR WHERE SPECIFIED

→ 33.0" [838 mm] — →

RECHARGER 150XLHD

HEAVY DUTY CHAMBER

12.0' MAX

COVER DEPTH

FEED CONNECTOR THREE VIEW

- 1-2 INCH [25-50 mm] WASHED, CRUSHED STONE

- NATURALLY COMPACTED FILL

- CULTEC NO. 410 NON-WOVEN

AND SIDES ARE MANDATORY;

- CULTEC NO. 4800 WOVEN GEOTEXTILE TO BE

PLACED BENEATH INTERNAL MANIFOLD

PIPES (FOR SCOUR PROTECTION)

- PROJECT ENGINEER OF RECORD OR GEOTECHNICAL CONSULTANT IS RESPONSIBLE FOR

ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAS BEEN MET

FEATURE AND BENEATH ALL INLET/OUTLET

PREFERENCE

GEOTEXTILE AROUND STONE. TOP

BOTTOM PER ENGINEER'S DESIGN

- 6.0" [152 mm] MIN

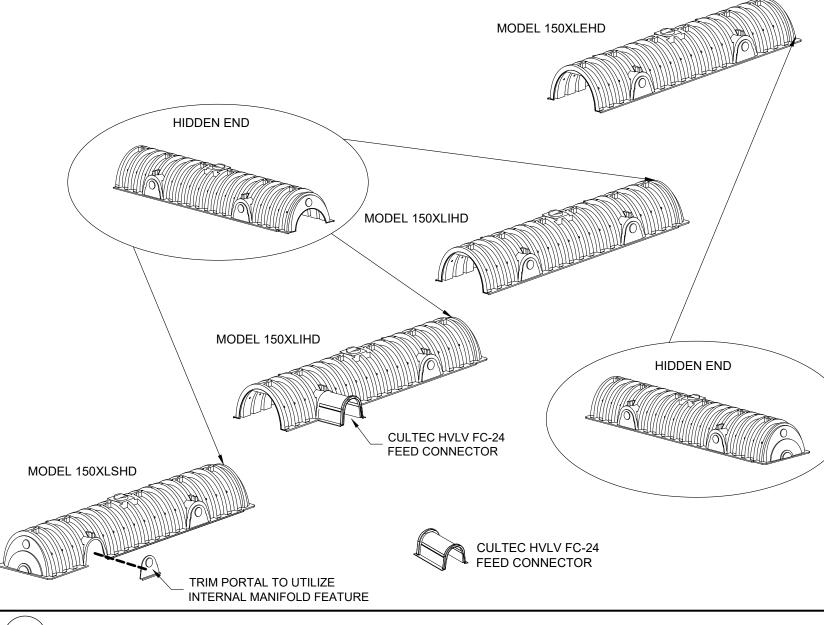
6.0" [152 mm] MIN.

18.5" [470 mm]

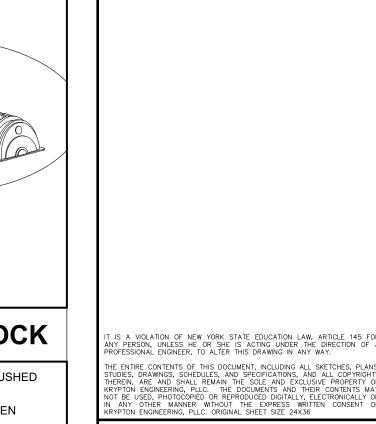
6.0" [152 mm] MIN.

LARGE RIB **SMALL RIB END DETAIL END DETAIL** UNITS ARE USED AS SINGLE STAND ALONE SECTIONS UNITS ARE USED UNITS ARE USED AS MIDDLE SECTIONS TO EXTEND THE LENGTH OF A LINE. MODEL EHD ARE USED TO END THE LENGTH OF A LINE.

HIDDEN END MODEL 150XLIHD CULTEC HVLV FC-24 FEED CONNECTOR MODEL 150XLSHD CULTEC HVLV FC-24 FEED CONNECTOR TRIM PORTAL TO UTILIZE INTERNAL MANIFOLD FEATURE **RECHARGER 150XLHD HEAVY DUTY TYP. INTERLOCK**



RECHARGER 150XLHD HEAVY DUTY END DETAIL



REVISIONS:

PROJECT: 344 N BROADWAY UPPER NYACK, NY

KRYPTON

ENGINEERING

KRYPTONENG.COM

TYPICAL CULTEC DETAILS

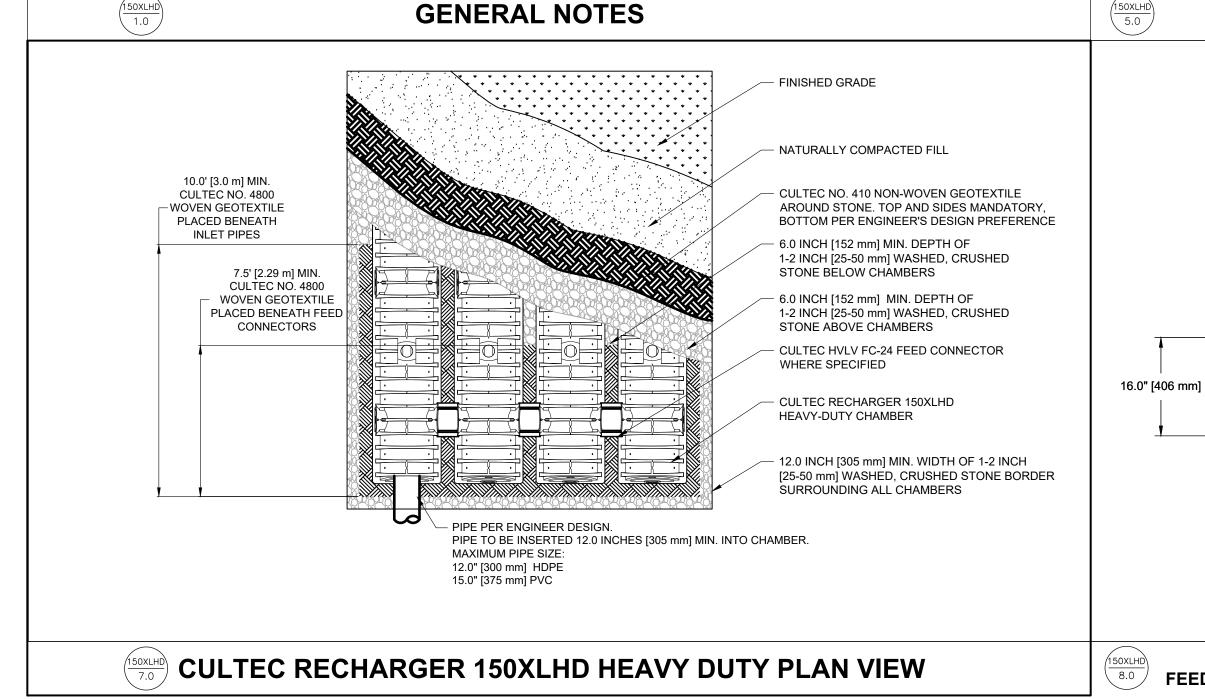
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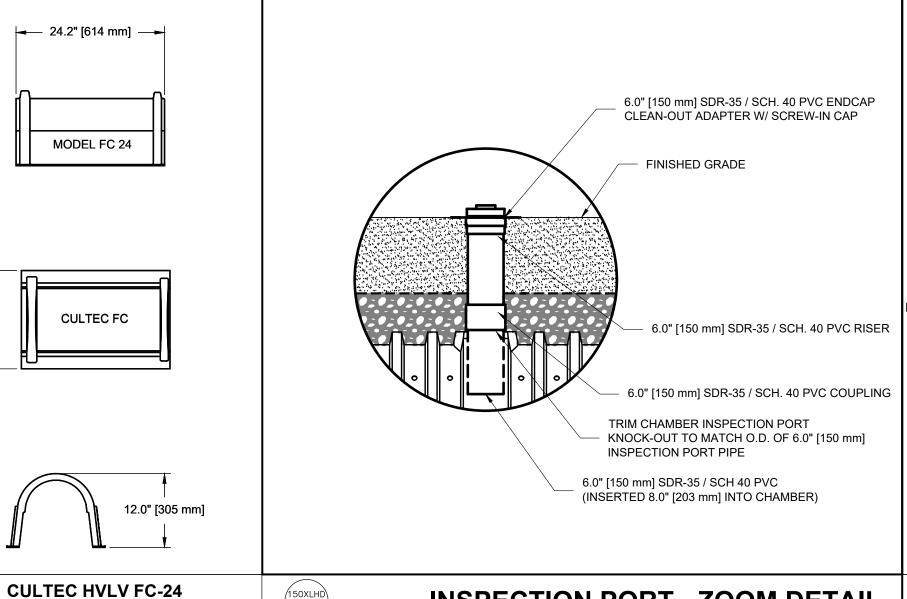
NY PE 093362 DATE: 1/18/2024 PROJECT #: 2307 DRAWN/CHECKED: PJM/JJV SCALE: NOTED PAGE: 04 OF 05

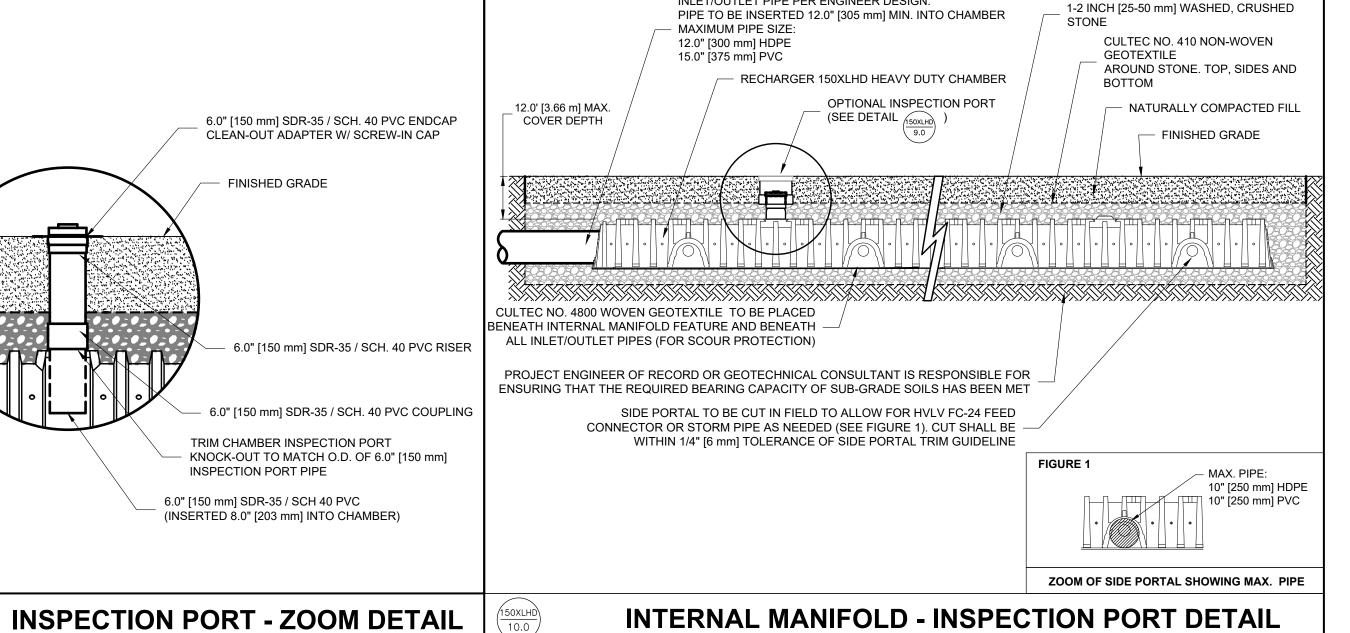
CULTEC RECHARGER 150XLHD HEAVY DUTY CROSS SECTION

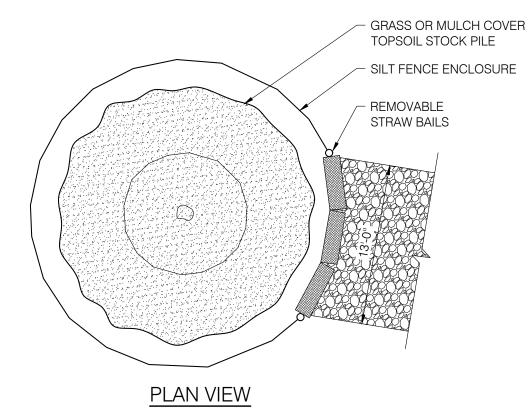
39.0" [991 mm]

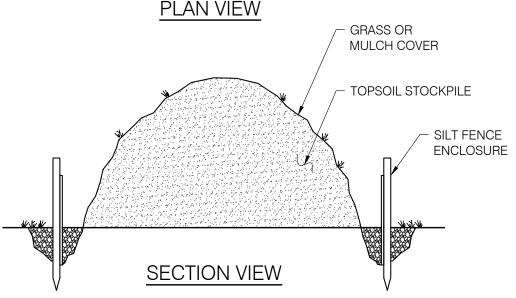
CENTER TO CENTER









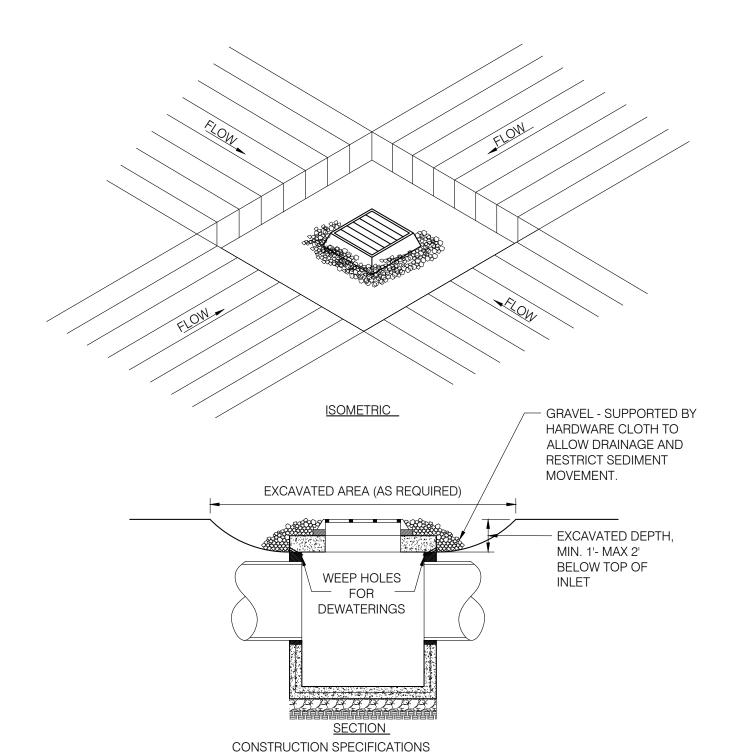


NOTES:
1-TOPSOIL REMOVED DURING SITE PREPARATION SHALL BE STOCKPILED ON-SITE FOR FUTURE USE IN SITE RECLAMATION AND REVEGATATION.

2- SOIL STOCKPILE SHALL BE ENCIRCLED WITH SILT FENCING WITH PASSAGEWAY PROVIDED FOR EQUIPMENT ACCESS.

3- PROVIDE TEMPORARY GRASS OR MULCH COVER IF STOCKPILE IS TO REMAIN UNDISTURBED FOR THIRTY DAYS OR MORE. TEMPORARY COVER SHALL CONSIST OF ONE OF THE FOLLOWING MEASURES:
- GRASS SEED: 1/2 LB. RYE GRASS /1000S.F
- MULCH: 100LBS OF STRAW OR HAY/1000S.F

DETAIL - SOIL STOCKPILE



DROP INLET PROTECTION DETAIL

1- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.

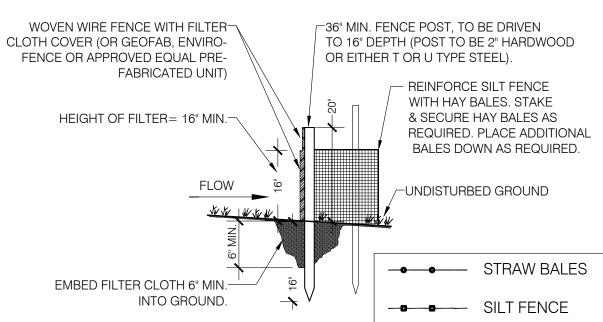
2- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.

4- UPON STABILIZATION OF CONSTRUCTION DRAINAGE AREA, SEAL WEEP

HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT SOIL

3- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.

PROPERLY AND STABILIZE WITH PERMANENT SEEDING.



NOTES: 1- POST SPACING TO BE 10' MAX. O.C.

2- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES

3- WOVEN WIRE FENCE TO BE 14 GA. MIN., 6" MAX. SPACING.

4- FILTER CLOTH TO BE FILTER X, MIRAFI 100XOR APPROVED EQUAL.

5- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE, WITH WIRE TIES SPACED EVERY 24" AT TOP AND MID SECTION.

6- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED OR TIED TO A POST (PROVIDE POST AT SPLICE).

7- MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.

8- BALES SHALL BE PLACED AT THE TOE OF SLOPE OR ON THE CONTOUR AND IN A ROW

WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

9- EACH BALE SHALL BE EMBEDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED

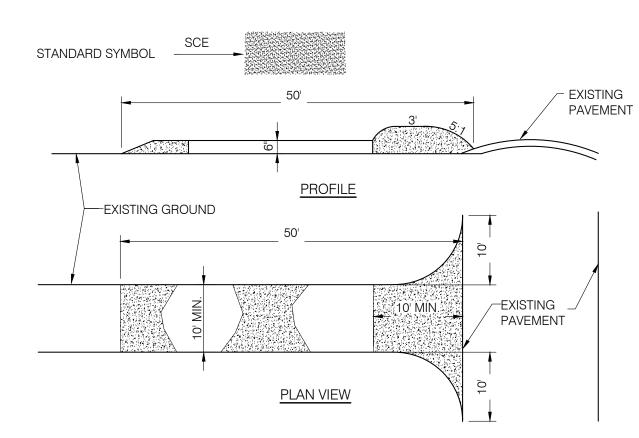
SO THE BINDINGS ARE HORIZONTAL.

10- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN 1 1/2' TO 2' INTO THE GROUND AND FLUSH WITH THE BALE.

11- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

12- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

DETAIL - SILT FENCE



CONSTRUCTION SPECIFICATIONS:

1- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).

3- THICKNESS - NOT LESS THAN (6) INCHES.

4- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

5- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE . FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.

6- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPE WILL BE PERMITTED.

7- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANING OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

8-WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCITON ENTRANCE

EROSION CONTROL:

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN STATE STANDARDS AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.

 ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECTED TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY
- RECEIVE TEMPORARY SEEDING AND MULCHING. IF THE SEASON PROHIBITS TEMPORARY SEEDING. THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR
- EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

 3. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECTED TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN
- COMBINATION WITH STRAW MULCH OR SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO NY STANDARDS.
- COMBINATION WITH STRAW MULCH OR SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO NY
 4. STABILIZATION SPECIFICATIONS:

A. TEMPORARY SEEDING AND MULCHING:

-LIME - 90 LBS./ 1,000 SF GROUND LIMESTONE; FERTILIZER - 11 LBS./1,000 SF, 10-20-10 OR EQUIVALENT WORKED INTO THE SOIL A MINIMUM OF 4".
-SEED - PERENNIAL RYE GRASS 40 LBS./ACRE (1 LB / 1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.

-MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS./1,000 SF TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

B. PERMANENT SEEDING AND MULCHING:

-TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
-LIME - 90 LBS./1,000 SF GROUND LIMESTONE; FERTILIZER - 11 LBS./ 1,000 SF, 10-20-10 OR EQUIVALENT WORKED INTO THE SOIL A MINIMUM OF 4"
-SEED TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 150 LBS./ACRE (3.5 LBS./1,000 SF) OR OTHER APPROVED SEED; PLANT BETWEEN MARCH 1 AND OCTOBER 15.
-MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS./1,000 SF TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID BINDER).

- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- 6. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
 7. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOOD PLAIN SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED
- BY A STRAW BALE SEDIMENT BARRIER AND/OR SILT FENCE.

 8. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 1" 23" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT
- FILTER FABRIC AND MAINTAINED.
- 9. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 10. DRIVEWAYS MUST BE STABILIZED WITH 1" 2½" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- 1. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR INTO PUBLIC RIGHT-OF-WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 2. CATCH BASIN INLETS WILL BE PROTECTED WITH AN INLET FILTER DESIGNED IN ACCORDANCE WITH NY STANDARDS.
- STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

 DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH NY STANDARDS.
- DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER, CALCIUM CHLORIDE OR OTHER APPROVED METHOD IN ACCORDANCE WITH NY STANDARDS.
 TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND IN ACCORDANCE WITH NY
- STANDARDS.

 17. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORM WATER OUTFALLS OR OFF-SITE AS A RESULT
- OF CONSTRUCTION OF THE PROJECT.

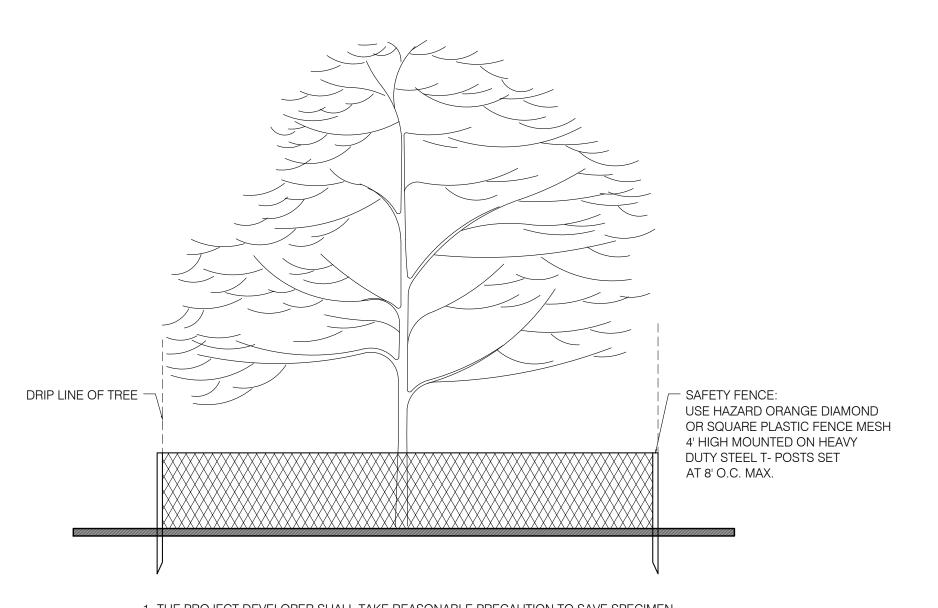
 18. ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO
- IMPLEMENTATION IN THE FIELD.

 19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION.
- 20. SILT FENCING SHALL BE ADJUSTED IN FIELD AND NOT ENCROACH ONTO EXISTING TREES TO REMAIN AND SHALL ENCOMPASS LIMITS OF DISTURBANCE INCLUDING SEEPAGE PIT LOCATIONS.
- 21. THE TREE PROTECTION AND PRESERVATION WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREA WITH MANY TREES. STEPS THAT WILL BE TAKEN TO RESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS FOLLOWS:
- A. NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
- B. THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH THE TREES.C. TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT A 5 TO 10 FOOT HEIGHT.
- D. THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING METHODS:
- ONE (1) FOOT RADIUS FROM TRUCK PER INCH DBH.
 DRIP LINE OF THE TREE CANOPY.
- THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE. IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:
- LIGHT TO HEAVY IMPACTS MINIMUM OF EIGHT INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON
 COMPLETION OF WORK
- LIGHT IMPACT ONLY INSTALLATION OF \$\frac{3}{4}\$ INCH OF PLYWOOD OR BOARDS, OR EQUAL OVER THE AREA TO BE PROTECTED. THE BUILDER OR ITS AGENT MAY NOT CHANGE GRADE WITHIN THE TREE PROTECTION ZONE OF A PRESERVED TREE UNLESS SUCH GRADE CHANGE HAS RECEIVED FINAL APPROVAL FROM THE PLANNING BOARD. IF THE GRADE LEVEL IS TO BE CHANGED MORE THAN (6) INCHES, TREES DESIGNATED TO BE PRESERVED SHALL BE WELLED AND/OR PRESERVED IN A RAISED BED, WITH THE TREE WELL A RADIUS OF THREE (3) FEET LARGER THAN THE TREE CANOPY.
- 22. PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, INCLUDING THE REMOVAL OF TREES, THE CONTRACTOR SHALL INSTALL THE SOIL EROSION AND SEDIMENTATION CONTROL AS REQUIRED BY THE DRAWINGS. PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK, THE ENGINEER SHALL BE NOTIFIED IN ADVANCE TO INSPECT THE INSTALLATION OF ALL REQUIRED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR SHALL
- CONTACT THE ENGINEER AT LEAST 48 HOURS IN ADVANCE FOR AN INSPECTION.
 23. ALL LANDSCAPING SHOWN ON THE SITE PLANS SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE USE OF THIS SITE.
- ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH NEW PLANTS AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.

 24. IF THE CONTRACTOR, DURING THE COURSE OF CONSTRUCTION, ENCOUNTERS SUCH CONDITIONS AS FLOOD AREA, UNDERGROUND WATER, SOFT OR SILTY AREAS, IMPROPER DRAINAGE, OR ANY OTHER UNUSUAL CIRCUMSTANCES OR CONDITIONS THAT WERE NOT FORESEEN IN THE ORIGINAL PLANNING, SUCH CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER OF RECORD. THE CONTRACTOR MAY SUBMIT THEIR RECOMMENDATIONS AS TO THE SPECIAL TREATMENT TO BE GIVEN AND SATISFACTORY CONSTRUCTION.
- SUCH AREAS TO SECURE ADEQUATE, PERMANENT AND SATISFACTORY CONSTRUCTION.

 25. THE CONTRACTOR'S TRAILER, IF ANY IS PROPOSED, SHALL BE LOCATED AS APPROVED BY THE MUNICIPALITY.
- 25. THE CONTRACTOR'S TRAILER, IF ANY IS PROPOSED, SHALL BE LOCATED AS APPROVED BY THE MUNICIPALITY.

 26. PERMANENT VEGETATION COVER OF DISTURBED AREAS SHALL BE ESTABLISHED ON THE SITE WITHIN THIRTY (30) DAYS OF THE COMPLETION OF CONSTRUCTION.



1- THE PROJECT DEVELOPER SHALL TAKE REASONABLE PRECAUTION TO SAVE SPECIMEN QUALITY TREES IN AREAS NOTED ON THE PLANS FOR CLEARING. WHEN POSSIBLE, THE DEVELOPER SHALL PROTECT INDIVIDUAL SPECIMEN TREES THROUGH THE INSTALLATION OF SAFETY FENCING AROUND THE DRIP LINE PERIMETER OF THE TREE.

2- SAFETY FENCING SHALL BE INSTALLED AT THE ONSET OF SITE CONSTRUCTION TO PREVENT VEHICLE TRAFFIC FROM COMPACTING THE SOILS IN THE VICINITY OF THE TREE ROOT STRUCTURE.



REVISIONS:

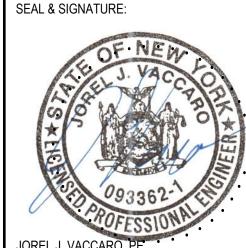
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TO THE BEST OF THE SIGNING PROFESSIONAL'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

DATE: 1/18/2024

PROJECT#: 23071

DRAWN/CHECKED: PJM/JJV

SCALE: NOTED

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