

### **EROSION AND SEDIMENT CONTROL NOTES**

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND FROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

- TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY PRIOR TO EXPECTED RAIN EVENTS AND AFTER EACH HEAVY RAIN TO ENSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
- THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH ACCEPTED STANDARDS.
- ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED FERTILIZED. TEMPORARILY SEEDED AND MULICHED WITHIN 14 DAYS.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO
- ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO
- THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
- SOIL SEEDING AND FERTILIZER AMENDMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT

EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".

ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".

## **ENGINEERS NOTES TO OWNER / CONTRACTOR**

THESE DRAWINGS MAY OR MAY NOT TRULY REFLECT EXISTING CONDITIONS AND THAT SUCH INFORMATION IS INCLUDED ON THE ASSUMPTION THAT IT MAY BE OF INTEREST TO THE CONTRACTOR, BUT THE ENGINEER, OWNER AND THEIR CONSULTANTS DO NOT ASSUME RESPONSIBILITY FOR ITS ACCURACY OR COMPLETENESS. THE CONTRACTOR HAS AN OBLIGATION TO DETERMINE FOR ITESELF THE TRUE NATURE OF EXISTING CONDITIONS.

- A PRE-CONSTRUCTION SITE INSPECTION WITH CRONIN ENGINEERING, P.E., P.C. IS REQUIRED W/ THE OWNER AND CONTRACTOR PRESENT TO CONFIRM THE CONSTRUCTION PROCEDURE.
- THERE SHALL BE NO MODIFICATION TO ANY ASPECT OF THIS PLAN WITHOUT FIRST CONTACTING CRONIN

ENGINEERING, P.E., P.C. FOR APPROVAL

- PRIOR TO ANY EXCAVATION, THE OWNER AND/OR CONTRACTOR SHALL CALL THE UNDERGROUND LINE LOCATION SERVICE (CODE 53) AT (800)-962-7962. FOR MORE INFORMATION, VISIT WWW.DIGSAFELYNEWYORK.COM.
- EROSION & SEDIMENT CONTROL MEASURES AS SHOWN IN THIS PLAN SET SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK. IF UNFORESEEN FIELD CONDITIONS ARE ENCOUNTERED WHICH PROHIBIT THE INSTALLATION OF CERTAIN EROSION & SEDIMENT CONTROL MEASURES AS SHOWN, IT SHALL BE THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO CONTACT CRONIN ENGINEERING P.E. P.C. IMMEDIATELY TO DISCUSS ALTERNATIVE METHODS. IT SHALL BE THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO ENSURE THE INTEGRITY OF ALL EROSION & SEDIMENT CONTROL MEASURES AT ALL TIMES THROUGHOUT THE DURATION OF THE
- CRONIN ENGINEERING, P.E., P.C. MAKES NO REPRESENTATIONS OR CERTIFICATIONS AS TO THE INTEGRITY, LOCATION OR EXISTENCE OF SUBSURFACE STRUCTURES OR SOIL CONDITIONS WITH RESPECT TO STABILITY AND SUITABILITY FOR THE INTENDED PURPOSE. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY ALL SUBSURFACE CONDITIONS AND ENSURE THAT ALL IMPROVEMENTS ARE PLACED ON MATERIAL WITH A SUITABLE BEARING CAPACITY
- CRONIN ENGINEERING, P.E., P.C. MAKES NO REPRESENTATION OR CERTIFICATIONS AS TO THE QUANTITY OF MATERIAL NEEDED OR TO BE REMOVED FOR THE SUCCESSFUL CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE QUANTITY OF MATERIAL NEEDED OR TO BE REMOVED TO SUCCESSFULLY CONSTRUCT THE PROJECT.
- IN THE EVENT THAT FIELD CONDITIONS ARE DIFFERENT THAN WHAT IS PRESENTED IN THIS PLAN SET, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO NOTIFY CRONIN ENGINEERING, P.E., P.C. PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK.
- IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED (I.E. ROCK, GROUNDWATER, ETC.), THE OWNER AND/OR CONTRACTOR SHALL STOP WORK AND NOTIFY CRONIN ENGINEERING, P.E., P.C. ALL NECESSARY MODIFICATIONS OR CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY CRONIN ENGINEERING, P.E., P. PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK. FURTHERMORE, THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.
- IT IS THE OWNER AND/OR CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW OSHA, NYS AND ANY OTHER APPLICABLE CODES OR REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO PROVIDING ADEQUATE BRACING AND GUARANTEEING THE STABILITY OF EXCAVATIONS AND OTHER
- CRONIN ENGINEERING, P.E. P.C. MAKES NO REPRESENTATION AS TO THE QUALITY (I.E. CONTAMINATION), IF ANY, OF THE SOILS ON THIS SITE. THE OWNER AND/OR CONTRACTOR ARE RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE SITE HAS NO CONTAMINATED SOILS.
- CRONIN ENGINEERING, P.E. P.C. MAKES NO REPRESENTATION AS TO THE SOIL BEARING CAPACITY OF THE SOILS ON SITE. THE OWNER AND/OR ARCHITECT ARE RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE CONSTRUCTION OF THE FOUNDATION MEETS THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE AND THE BUILDING CODE OF THE TOWN OF CORTLANDT. FOUNDATION DESIGN IS NOT PROVIDED BY THIS OFFICE AND IS THE RESPONSIBILITY OF THE OWNER/ARCHITECT/BUILDER.
- THE OWNER/BUILDER/ARCHITECT ARE RESPONSIBLE TO ENSURE THAT THE BUILDING FOUNDATION MEETS ALL VILLAGE CODES AND THE NEW YORK STATE RESIDENTIAL BUILDING CODE. IF UNSUITABLE MATERIAL IS ENCOUNTERED. THE OWNER SHALL MAKE PROVISIONS (I.E. DEEPER FOOTING, SPREAD FOOTING, GRADE BEAMS. PILES, ETC.) AS NECESSARY TO ENSURE A CODE COMPLIANT FOUNDATION TO THE SATISFACTION OF THE TOWN OF CORTLANDT BUILDING DEPARTMENT.

#### -FILTER X MIRAFI 100X OR STABILINKA T140N FILTER CLOTH OR APPROVED EQUAL WOVEN WIRE FENCE (MIN. 14 % GAUGE W/ MAX 6" MESH SPACING AS DEEMED NECESSARY BY QUALIFIED INSPECTOR.) 2" X 2" WOOD POST, NO. 2 RE-BAR OR STEEL PICKETS -FILTER X, MIRAFI 100X, OR STABILINKA T140N FILTER CLOTH OR APPROVED EQUA -WOVEN WIRE FENCE (MIN. 14 ½ GAUGE W/ MAX 6" MESH (AS DEEMED NECESSARY BY QUALIFIED INSPECTOR.) -2" X 2" WOOD POST. NO. 2 -TOE-IN FILTER FABRIC RE-BAR OR STEEL PICKETS BACKFILL AND TAMP SOIL TO **FRONT VIEW** SECURE FABRIC IN PLACE SECTION VIEW -FILTER X, MIRAFI 100X, OR STABILINKA T140N FILTER CLOTH OR APPROVED EQUAL WOVEN WIRE FENCE (MIN. 14 % GAUGE W/ MAX 6" MESH SPACING AS DEEMED NECESSARY BY QUALIFIED INSPECTOR.) -EXISTING / FINAL GRADE TOE-IN FILTER FABRIC, BACKFILL AND TAMP SOIL TO SECURE FABRIC IN PLACE ISOMETRIC VIEW └─6" X 6" X 6" TRENCH **INSTALLATION NOTES:** EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER SIDE OF A SLOPE AS SPECIFIED ON SITE PLAN UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNHILL) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF STORM WATER FLOW) DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH

LAY THE TOE-IN FLAP OF FABRIC FLAT IN THE BOTTOM OF THE TRENCH AND BACKFILL THE TRENCH AND TAM THE SOIL OVER THE FLAP TO SECURELY HOLD THE FABRIC IN PLACE. STEEPER SLOPES REQUIRE AN

SILT FENCE INSTALLATION

PREFABRICATED UNITS SHALL BE OF TYPE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.

JOIN SECTIONS AS SHOWN ABOVE

# . IF SURFACE WATER IS FLOWING TOWARD THE CONSTRUCTION ENTRANCE, IT SHALL BE PIPED

**INSTALLATION NOTES:** 

. STONE SIZE SHALL BE 3" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT ONLY. 2. LENGTH SHALL BE AS SHOWN BUT NOT LESS THAN 30'

3. THE THICKNESS SHALL BE NO LESS THAN 12" AT THE CONSTRUCTION ENTRANCE.

**SECTION** 

. THE WIDTH SHALL BE 12' AT A MINIMUM BUT NOT LESS THAN THE FULL WIDTH OF THE TRAVELED WAY

STONE OR GRAVEL

PROVIDE 3" CLEAN CRUSHED STONE OR GRAVEL TO DEPTH OF

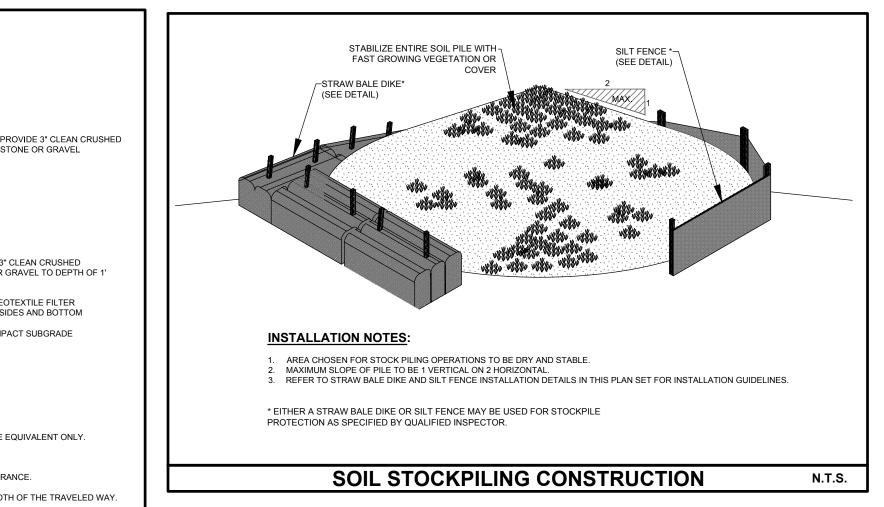
PROVIDE GEOTEXTILE FILTER

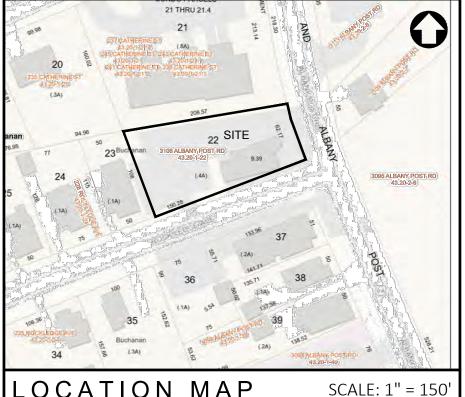
COMPACT SUBGRADE

FABRIC ON SIDES AND BOTTOM

- FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACING OF ANY STONE. FILTER FABRIC WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE CONSTRUCTION
- UNDERNEATH THE STABILIZED ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SIDE SLOPES SHALL BE PERMITTED
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT FROM CONSTRUCTION INTO THE PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO CAPTURE SEDIMENT. ANY SEDIMENT TRACKED, DROPPED OR WASHED INTO PUBLIC RIGHT OF WAY SHALL BE REMOVED IMMEDIATELY
- WHEELS OF CONSTRUCTION VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING ONTO THE PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED. IT SHALL BE DONE IN AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROPRIATE SEDIMENT TRAPPING
- CONSTRUCTION OR UNTIL FINAL GRADE IS ACHIEVED. STABILIZED CONSTRUCTION ENTRANCE

PERIODIC INPECTION AND MAINTENANCE SHALL BE PROVIDED FOR THE DURATION OF





LOCATION MAP



# OWNER/DEVELOPER

GALLON MEASURE 3106 ALBANY POST ROAD BUCHANAN, NY 10511

UNDER NEW YORK STATE EDUCATIONAL LAW ARTICLE 145, SECTION 7209 (2), IT I UNLAWFUL FOR ANY PERSON TO ALTER ANY ITEM ON THIS DRAWING, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF ANY ITEM IS ALTERED. THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION. • COPYRIGHT "2024" BY CRONIN ENGINEERING, P.E., P.C. ALL RIGHTS RESERVED.

REVISIONS

2	ENGINEER COMMENTS DATED 05-28-2024			JULY 10, 2024	
1	REVISED FOR PLANNING BOARD APPLICATION			MAY 8, 2024	
#	REASON			DATE	
MUNICIPAL TAX IDENTIFICATION:					
SECTION:		43.20	TEOF	NEWY	
BLOCK:		1	STEN	STOK WICHAEL PA	
LOT:		22	*	1 × (2 × )	
SUBLOT:			50		
DRAWN BY: AD / KW			12/10		
			<b>□ ∥%λ\ 08</b>	7679	

DRAWN E CHECKED: JA PROJECT: ALBANY POST RD

DECEMBER 6, 2023

231202

PATRICK M. BELL, PE LICENSE #087679

**CRONIN** 

(914) 736-3664

39 Arlo Lane

CONSTRUCTION DETAILS

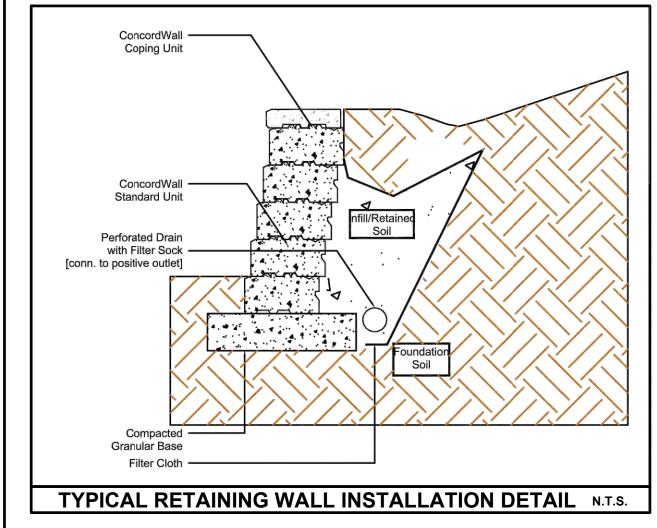
Cortlandt Manor, New York 10567

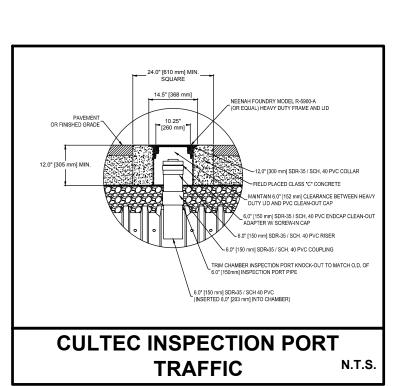
SITE DEVELOPMENT PLAN

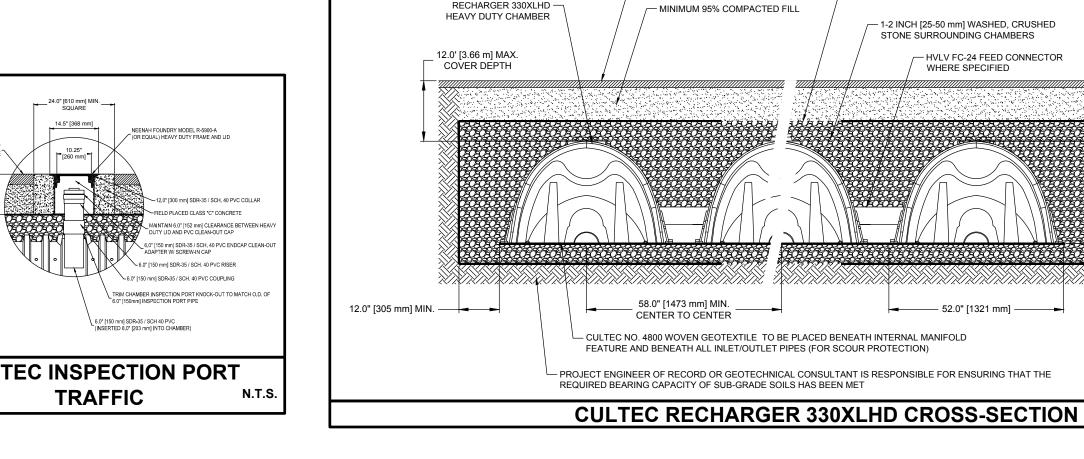
GALLON MEASURE

LOCATION: 3106 ALBANY POST ROAD VILLAGE OF BUCHANAN (TOWN OF CORTLANDT), NY

CD-3.1 SHEET 5 OF 5







## **CONSTRUCTION SEQUENCE**

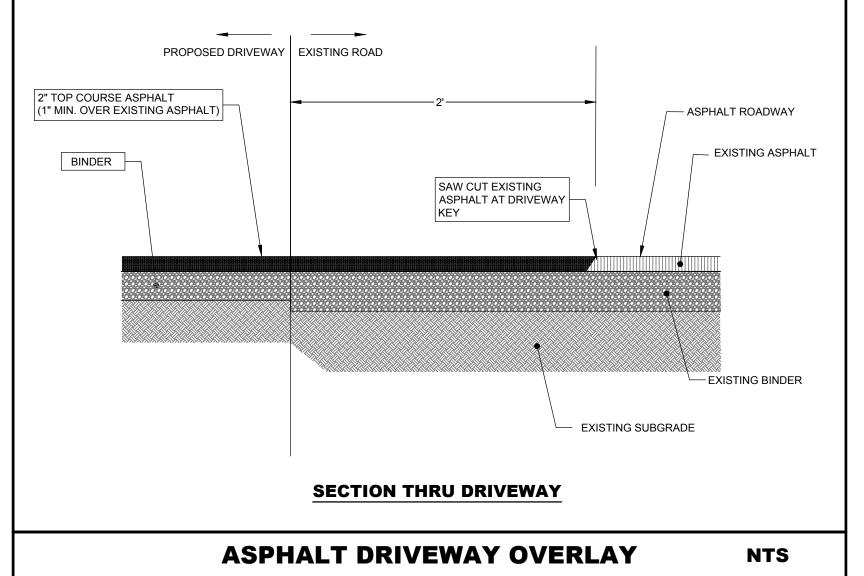
THE PROPOSED PROJECT CONSISTS OF CONSTRUCTION OF A NEW SINGLE-FAMILY RESIDENCE ON AN EXISTING 3.8586 ACRE VACANT PARCEL, TO INCLUDE AN ASPHALT DRIVEWAY.

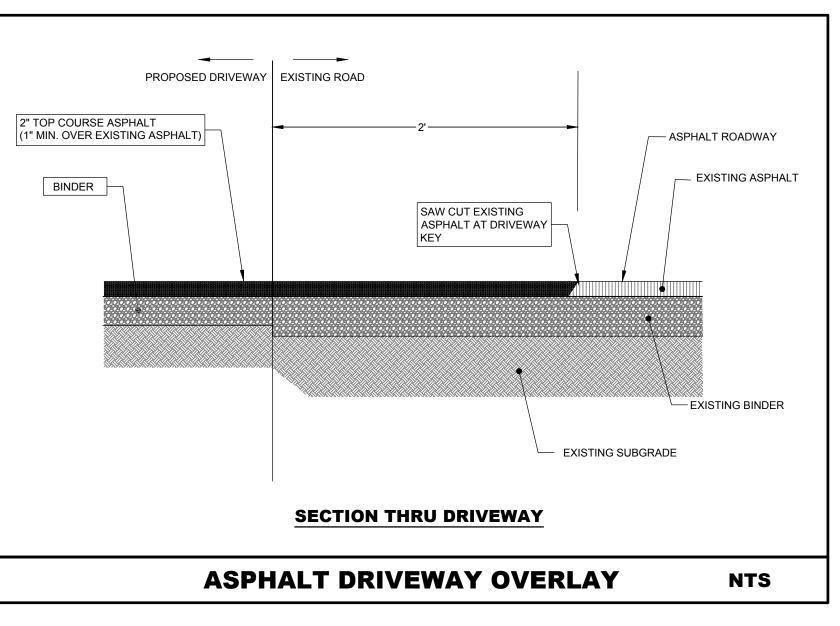
THE FOLLOWING IS THE ANTICIPATED SEQUENCE OF CONSTRUCTION

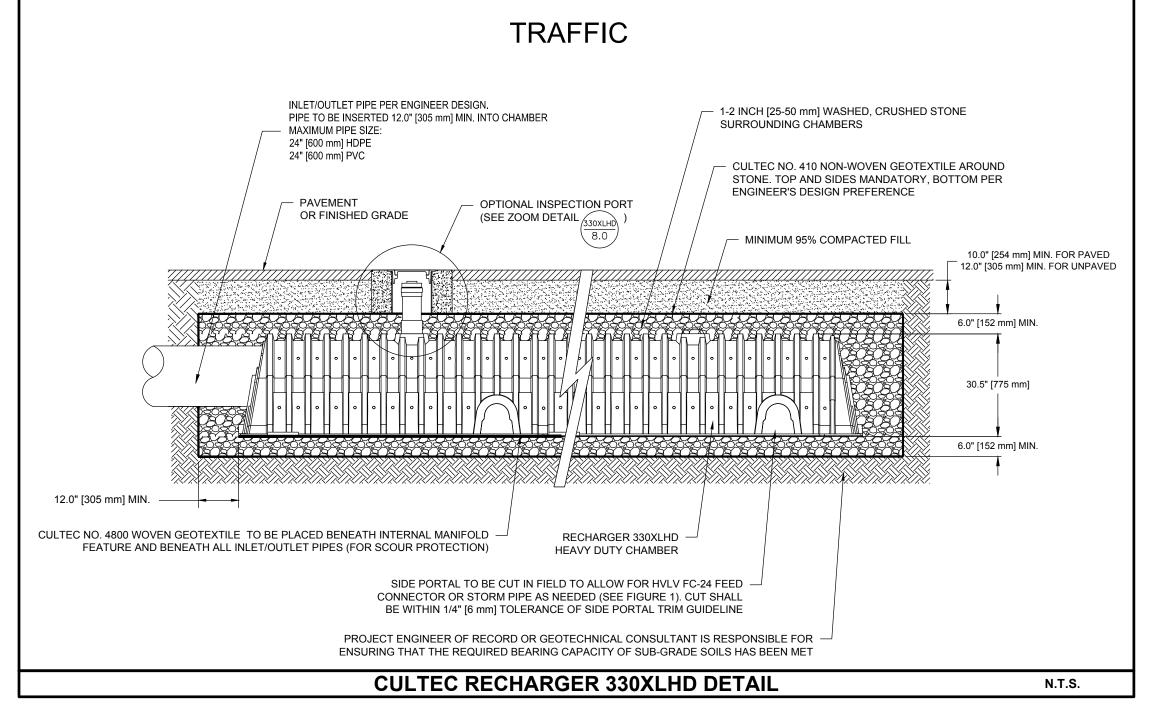
- OBTAIN THE NECESSARY APPROVAL SIGNATURES ON THE SITE DEVELOPMENT PLANS FROM THE VILLAGE OF BUCHANAN.
- CONDUCT A PRE-CONSTRUCTION MEETING AT THE SITE WITH REPRESENTATIVES FROM THE VILLAGE, THE SITE GENERAL CONTRACTOR AND THE OWNER.
- FILE THE NECESSARY DOCUMENTS TO OBTAIN THE REQUIRED BUILDING PERMIT(S).
- INSTALL THE NECESSARY SOIL EROSION AND SEDIMENT CONTROL PRACTICES.
- PERFORM REMOVAL OF THE SHED, STORAGE CONTAINER, AND CONCRETE PAD.
- CONSTRUCT THE FOOTINGS AND FOUNDATIONS FOR THE PROPOSED BUILDING EXPANSION. PROCEED WITH THE CONSTRUCTION OF THE BUILDING ADDITION.
- INSTALL NEW FIRE SERVICE, CULTECS, AND OIL WATER SEPARATOR.
- PERFORM FINAL GRADING AROUND THE BUILDING.
- THROUGHOUT THE PROCESS, SCHEDULE INSPECTIONS AS NECESSARY WITH THE VILLAGE OF BUCHANAN BUILDING DEPARTMENT.
- 2. INSTALL LANDSCAPE PLANTINGS.

). FINALIZE BUILDING CONSTRUCTION.

- PROVIDE PARKING MARKINGS PER APPROVED SITE PLAN.
- 4. FINALIZE AND STABILIZE ALL SITE CONSTRUCTION. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES.
- APPLY FOR AND OBTAIN CERTIFICATE OF OCCUPANCY.







**TRAFFIC** 

CULTEC NO. 410 NON-WOVEN GEOTEXTILE AROUND STONE. TOP AND

SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN PREFERENCE

10.0" [254 mm] MIN. FOR PAVED

N.T.S.

12.0" [305 mm] MIN. FOR UNPAVEI

6.0" [152 mm] MIN.

30.5" [775 mm]

6.0" [152 mm] MIN.

- PAVEMENT OR FINISHED GRADE