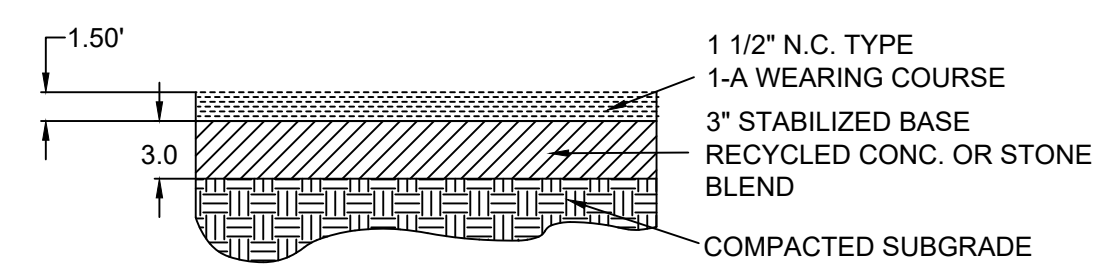
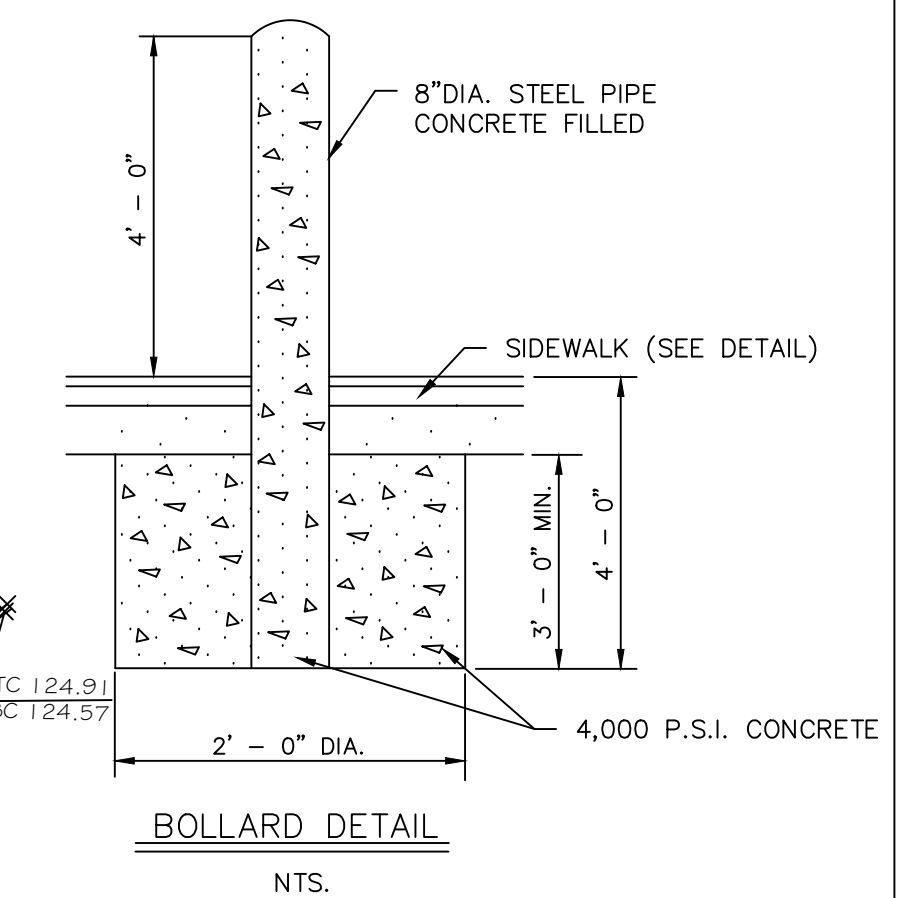


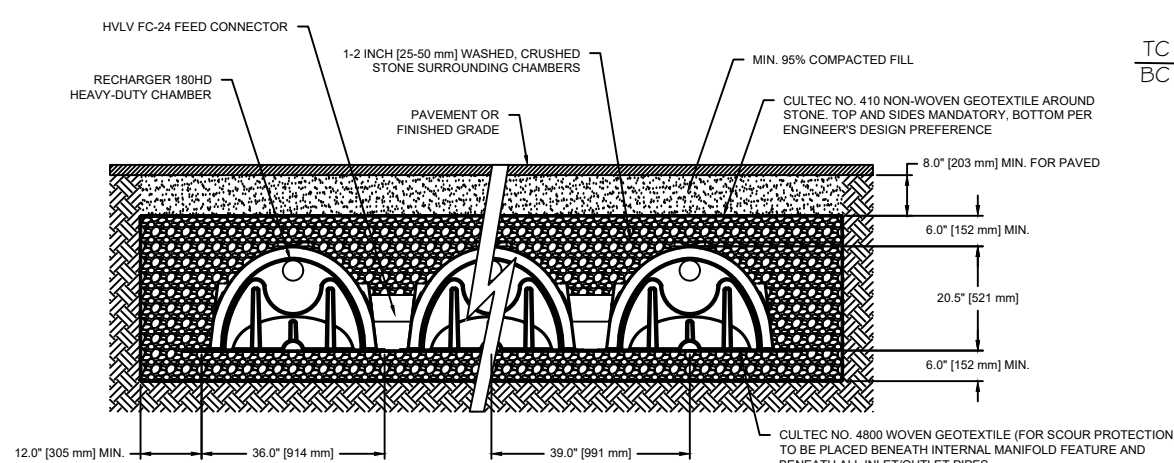
**CULTEC CALCULATIONS:**  
 836 CF/3.45 CF PER LF = 242 LF/6.33 CF PER UNIT  
 = 38 UNITS X 3' PER UNIT = 114' CULTEC

**LEGEND**

- -BOLLARD AT CURB
- ▨ -PAVEMENT REMOVAL



- NOTES:  
 1. INSTALL UTILITIES PRIOR TO INSTALLATION OF SUB BASE  
 2. ASPHALT TO HAVE COMPRESSIVE STRENGTH OF 100 PSI.  
 3. CBR VALUE OF GRANULAR SUB BASE TO BE 90.



TYPICAL CROSS-SECTION FOR CULTEC  
N.T.S.

**DRAINAGE CALCULATIONS:**

**DRAINAGE REQUIREMENTS:**

2 INCH RAINFALL = .167 FEET

COEFFICIENTS:  
 HARD SURFACES = 1.0

**DRAINAGE AREA A, B, & C:**  
 BUILDING ROOF

- A. (2800 SF) (.167) (1.0) =
- B. (1500 SF) (.167) (1.0) =
- C. (3500 SF) (.167) (1.0) =

REQUIRED:	PROVIDED:
468 CUFT REQUIRED	CONNECTED TO EXISTING DRAIN
836 CUFT REQUIRED	SEE REVISION NOTE
836 CUFT REQUIRED	SEE REVISION NOTE

- REVISION NOTE:**
- SOIL INCOUNTED VERY SILTY.
  - LIMITED SPACE AVAILABLE DUE TO GRAVE LOCATIONS CLOSE TO ROAD EDGE.
  - CHANGING FROM DRAINAGE RINGS TO CULTEC BINS WITH SHALLOW INSTALLATION AND LIMITED OVERFLOW PROVISION AFTER 2" OF STORAGE. 835CF / 24 HRS. = 34.8 CF PER HR / 60MIN. = 0.58 CF PER SEC. - MINIMAL QUANTITY
  - EXISTING SITE DRAINAGE SYSTEM FUNCTIONING WELL, NO PROBLEMS.

REVISIONS	
DATE:	DESCRIPTION:
4/22/2022	TOWN REVISION
3/1/2023	DRAINAGE REVISION

**PROPOSED EVERGREEN / MAUSOLEUM BUILDING ADDITION**  
**NASSAU KNOLLS CEMETERY**  
 PORT WASHINGTON BOULEVARD  
 PORT WASHINGTON  
 TOWN OF NORTH HEMPSTEAD  
 NASSAU COUNTY, NY  
 NCTM# 05 - J - 702

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**GRADING AND DRAINAGE PLAN**

DATE:	SHEET NO.
8/16/2020	1
DRAWN BY: MM	OF
FILENAME:	1
PLOT NAME:	
LAST PLOT:	
SCALE:	1"=10'

NOTE: Under N.Y.S. Education Law Sec. 7209 Sub. 2, it is illegal for any person, unless acting under the direction of a LICENSED Professional Engineer, to offer any item on this drawing in any way. If any item is so offered, the Professional Engineer who so offers or who directs another to so offer, shall offer to the State the seal and the notation "offered" followed by his signature, the date of the alteration and a specific description of the alteration.

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