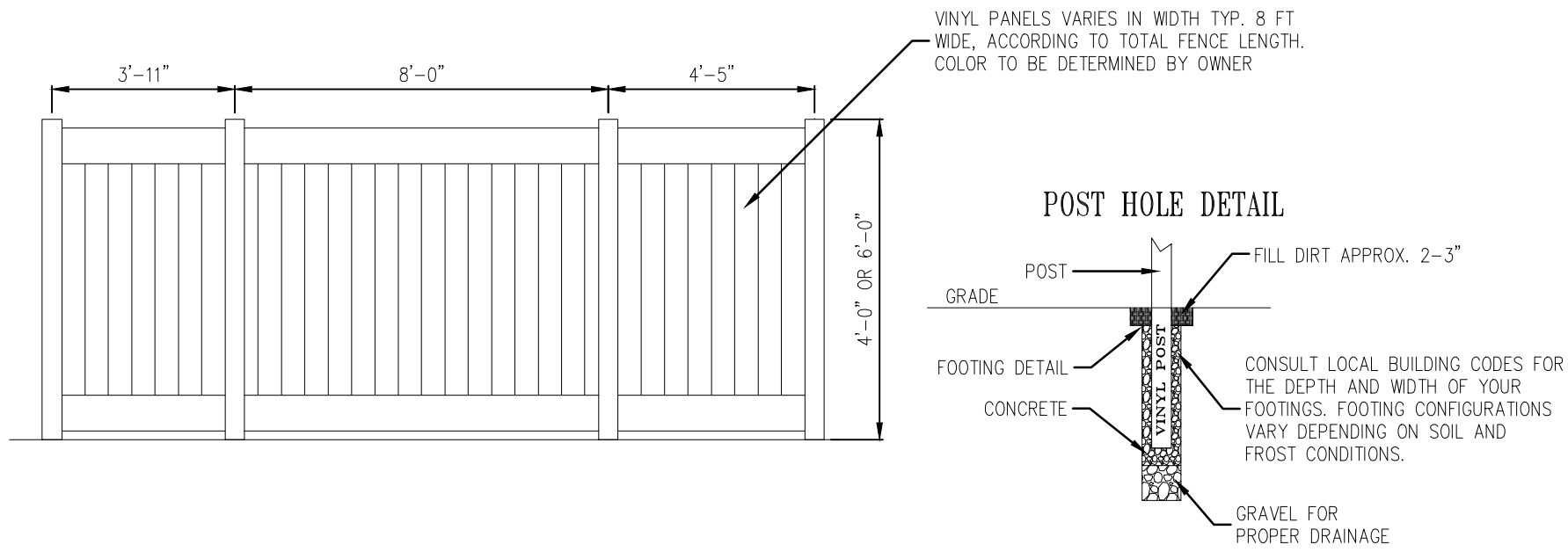
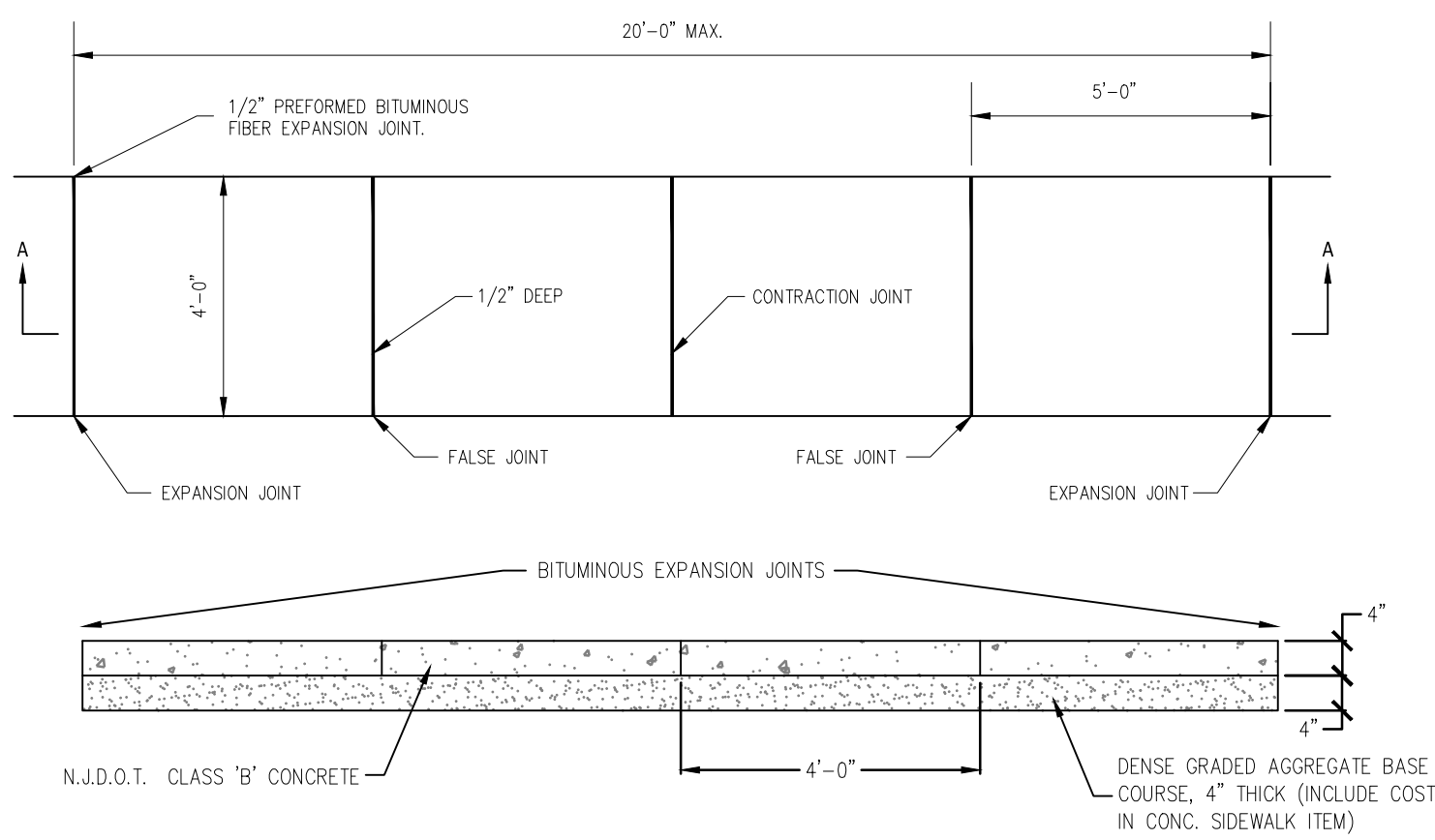


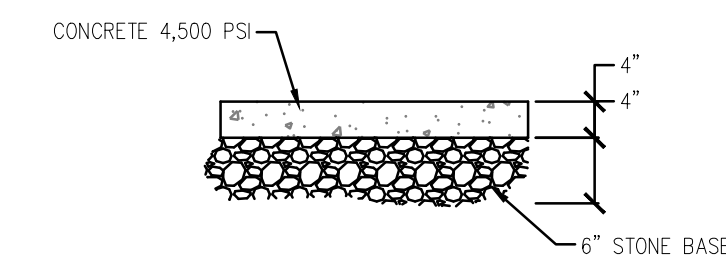


4' & 6' VINYL PRIVACY FENCE
N.T.S.

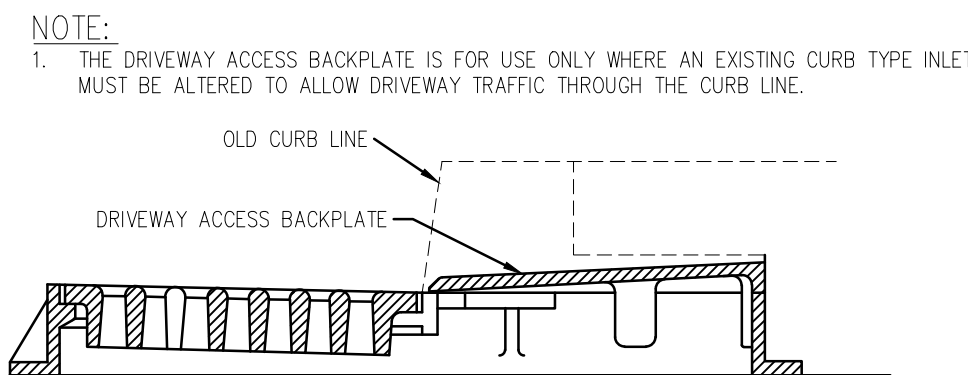


- CONSTRUCTION NOTES:
1. A PREFORMED, BITUMINOUS EXPANSION JOINT 3" THICK, 4" WIDE, AND EXTENDING THE FULL WIDTH OF THE WALK, UNBROKEN, SHALL BE INSTALLED EVERY TWENTY (20) FEET.
 2. CONSTRUCTION JOINTS SHALL BE INSTALLED EVERY FOUR (4) FEET THE FULL WALK WIDTH. HOWEVER, WHERE SIDEWALK IS DISTINCTLY WIDER THAN 4 FEET, THE JOINT SPACING IS TO BE INCREASED TO PROVIDE APPROXIMATELY SQUARE CONCRETE SIDEWALK FLAGS BETWEEN JOINTS.
 3. THERE SHALL BE A BROOM FINISH WITH TWICE TOOLED EDGES.

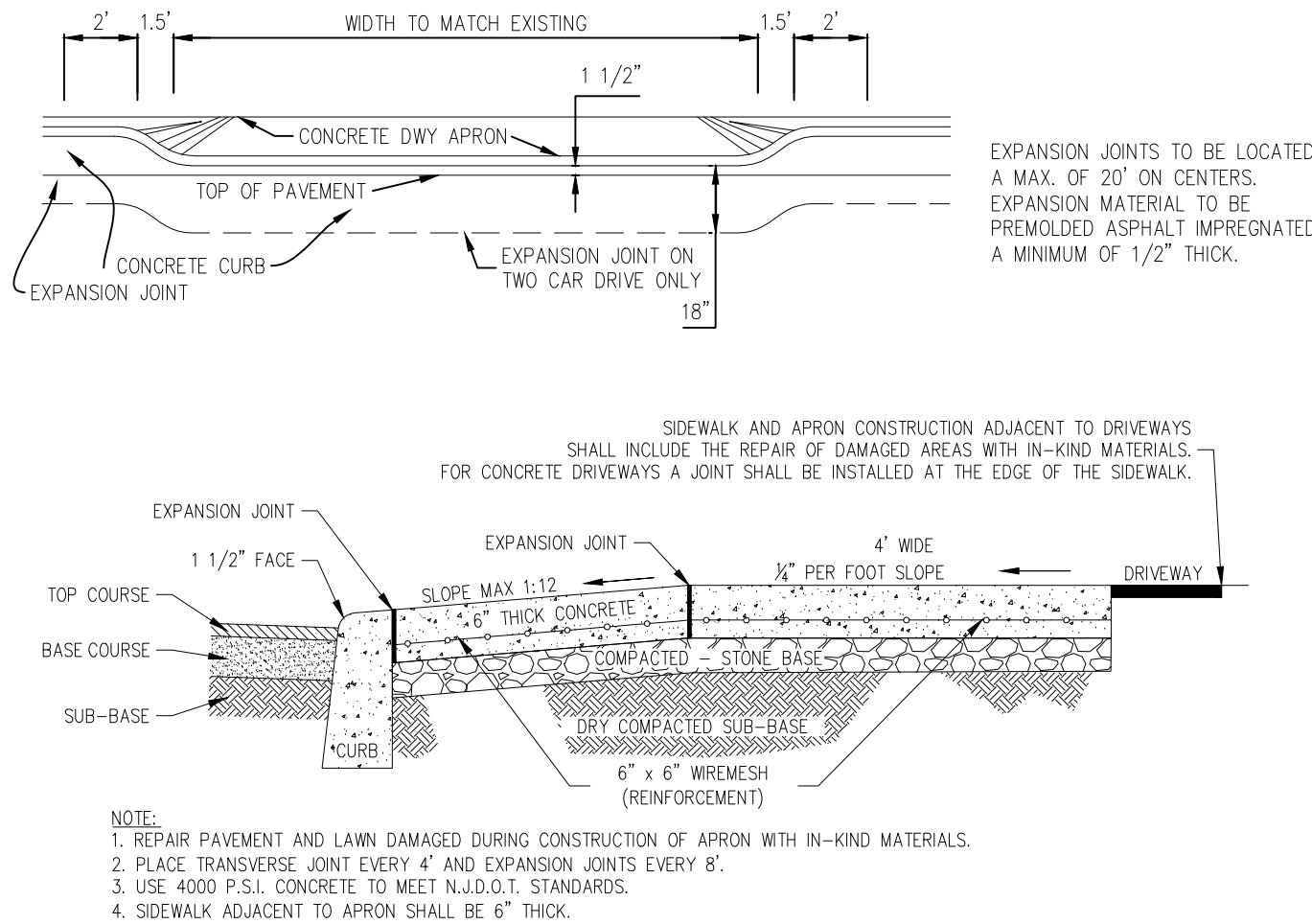
CONCRETE SIDEWALK DETAIL
N.T.S.



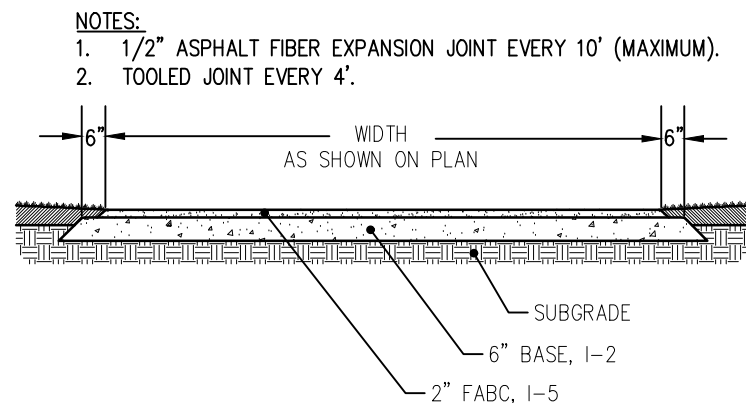
CONCRETE PAD LANDING
N.T.S.



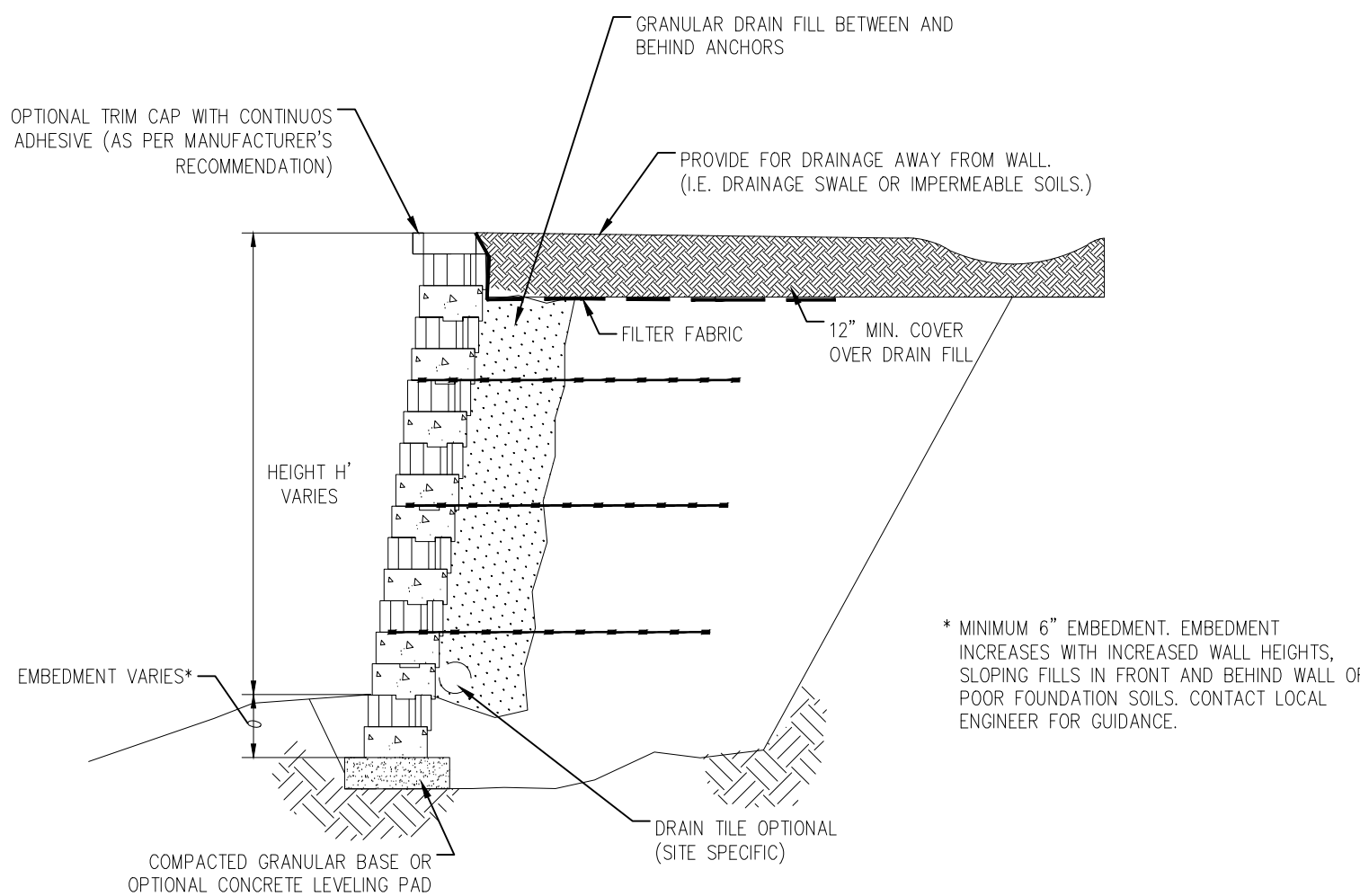
DRIVEWAY ACCESS BACKPLATE DETAIL
N.T.S.



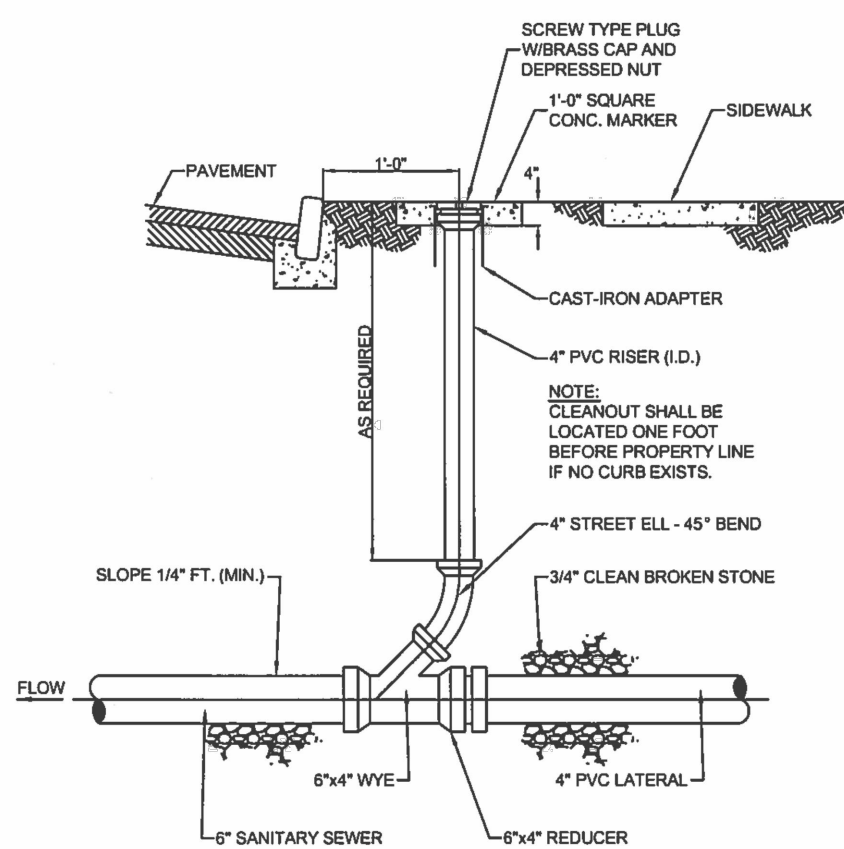
CONCRETE DRIVEWAY ENTRANCE WITH SIDEWALK
N.T.S.



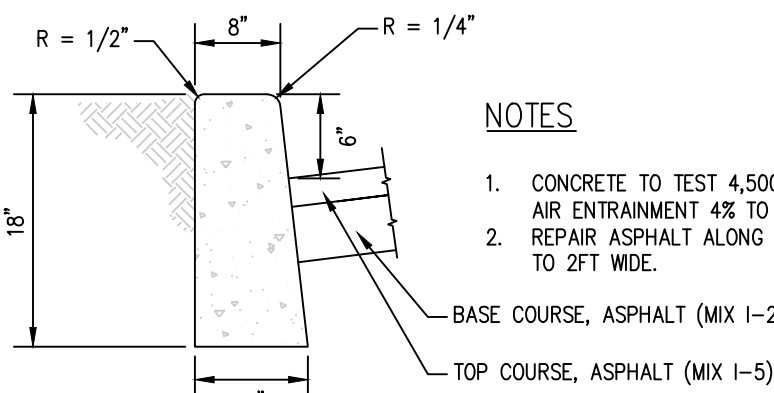
RESIDENTIAL DRIVEWAY PAVEMENT DETAIL
(SINGLE & TWO FAMILY)
N.T.S.



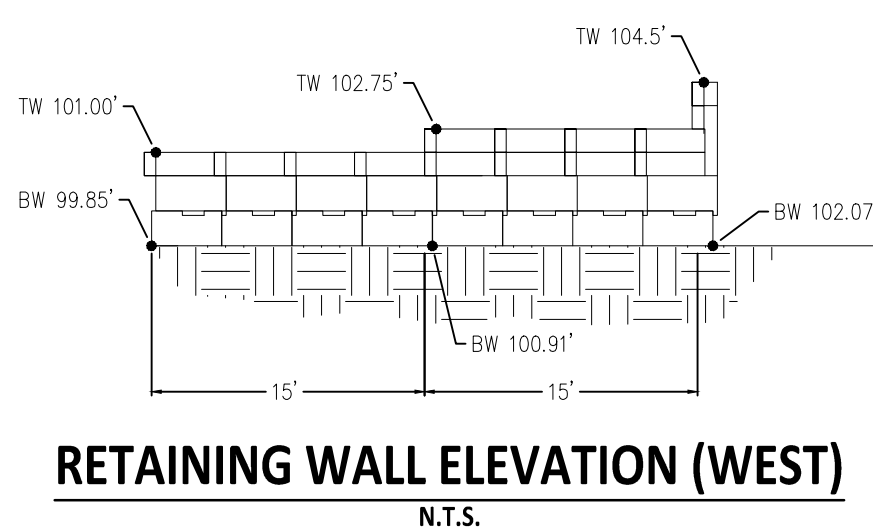
DECORATIVE RETAINING WALL DETAIL
N.T.S.



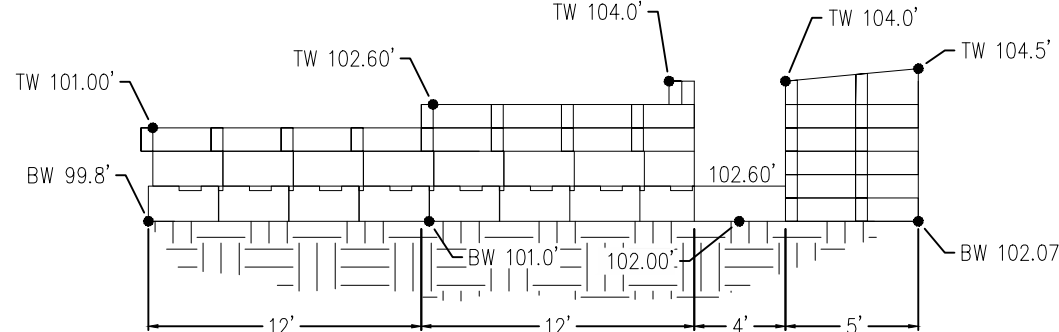
STANDARD CLEANOUT DETAIL
N.T.S.



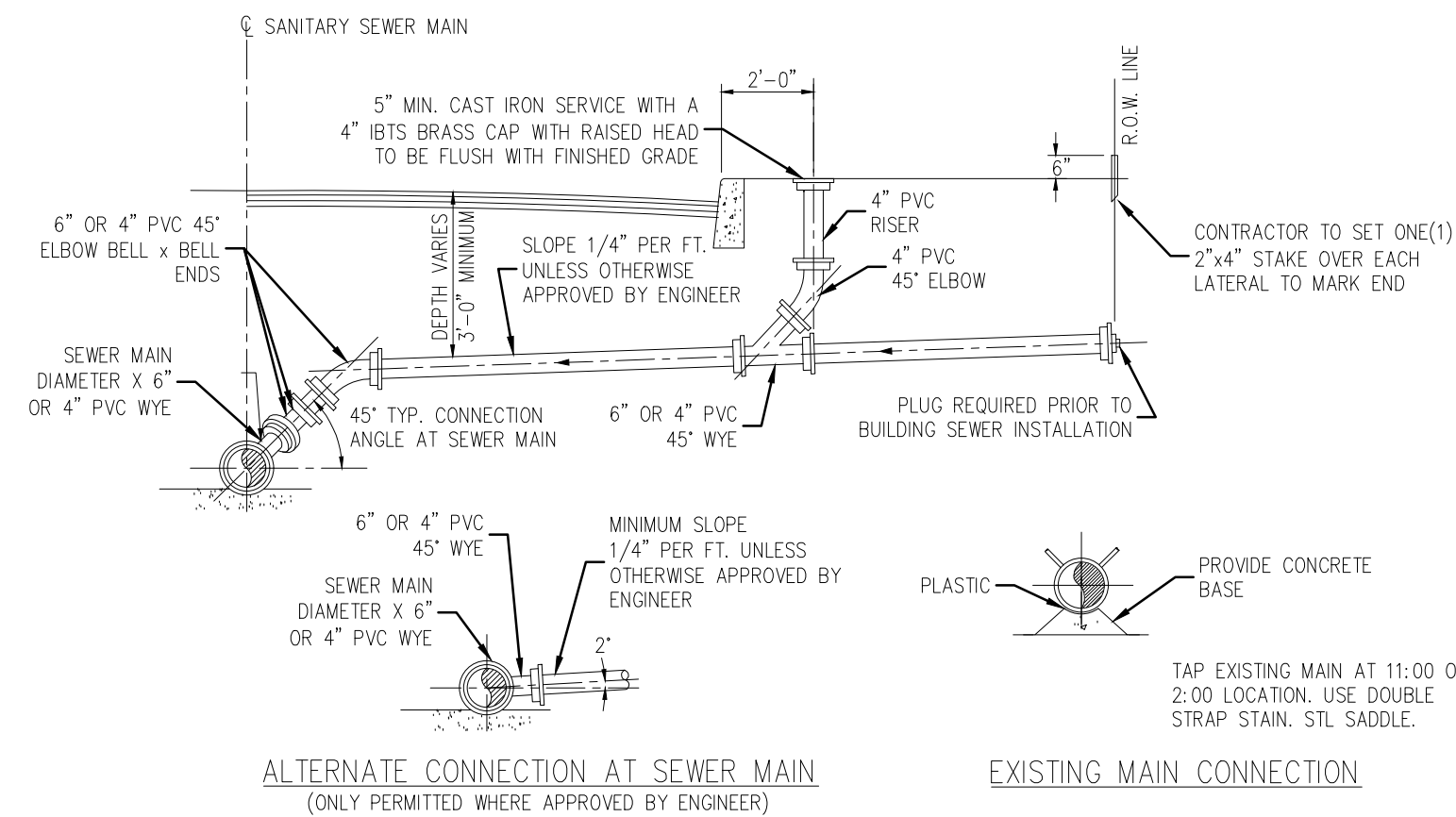
TYPICAL 9' X 18' CURB DETAIL
N.T.S.



RETAINING WALL ELEVATION (WEST)
N.T.S.



RETAINING WALL ELEVATION (EAST)
N.T.S.



SANITARY SEWER LATERAL CONNECTION
N.T.S.

DRAINAGE CALCULATIONS:

EXISTING IMPERVIOUS AREA COVERAGE: 168± SQ. FT.

PROPOSED IMPERVIOUS COVERAGE: 2,179± SQ. FT.

PROPOSED ADDITIONAL IMPERVIOUS AREA: 2,011± SQ. FT.

REQUIRED STORAGE: 333± CU FT

PROPOSED STORAGE: 341± CU FT

SEEPAGE PIT DESIGN

- 2" OVER IMPERVIOUS AREA
- AREA CONTRIBUTING TO SEEPAGE PIT (IMPERVIOUS) = 2,011 SF
- VOLUME REQUIRED = 333 CF

TANK VOLUME

$V_{TANK} = (\pi/8) (DEPTH)$

$V_{TANK} = 157 CF$

STONE VOLUME

VOLUME OF EXCAVATION = $(11/2)^2 \times \pi \times 6.5' = 617 CF$

LESS VOLUME OF TANK = 157 CF

NET VOLUME OF STONE = 460 CF

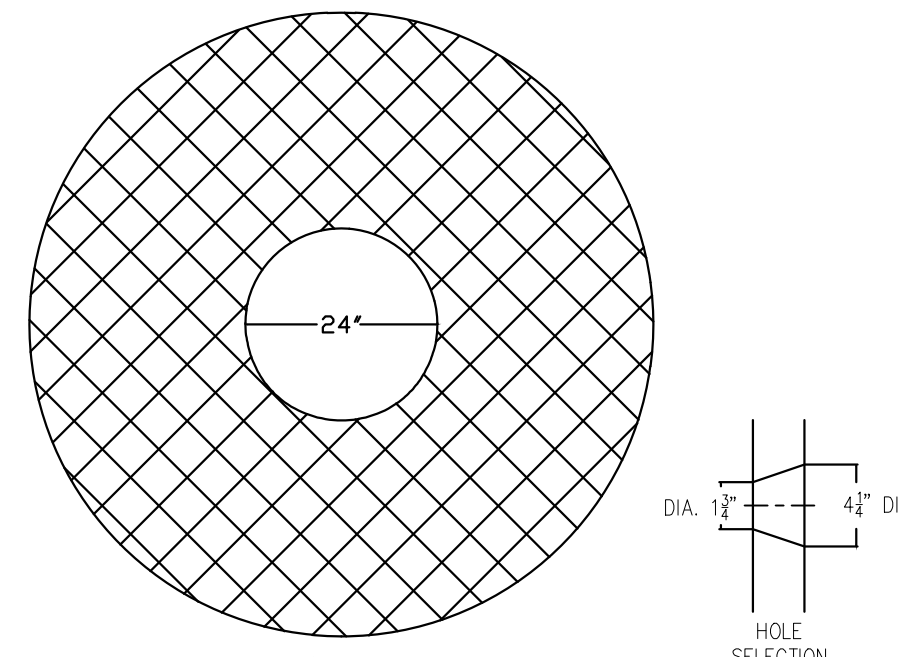
ASSUMING 40% STONE VOID S = $(V_{TANK}) - (V_{STONE}) = 184 CF$

STORE VOLUME

$V_{PIT} = V_{TANK} + V_{STONE} = 341 CF$

VOLUME REQUIRED (CF) 333 CF < VOLUME PROPOSED (CF) 341 CF

SYSTEM OK ✓



8' SEEPAGE PIT WITH RESIDENTIAL TRAFFIC TOP
N.T.S.

SITE DETAILS

NEW TWO FAMILY DWELLING

156 MAIN STREET
BLOCK 89, LOT 21
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY 07052

DATE: JULY 29, 2022

No.: SC21-06

DRAWN: CDA

SCALE: NTS

SHEET No.: 4 OF 4

SANDRA CACERES, P.E.

N.J.PROFESSIONAL ENGINEER, LICENSE No. 24GE04562600
830 NORTH AVENUE WEST
WESTFIELD, NEW JERSEY 07090
PHONE No. 908 296-3956

REV. DATE DESCRIPTION

REV.	DATE	DESCRIPTION