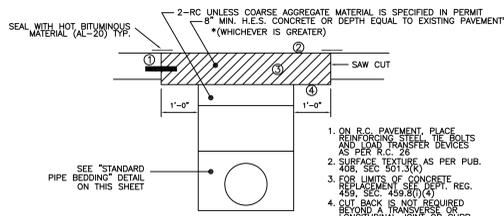
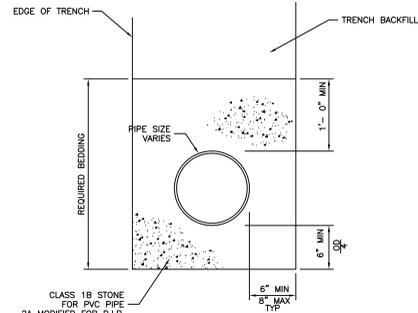


**FLEXIBLE PAVEMENT RESTORATION**

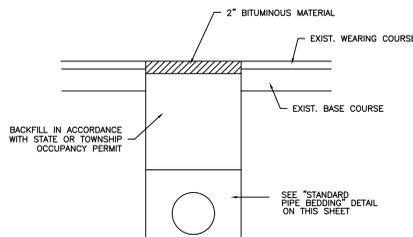


**RIGID PAVEMENT RESTORATION**  
**PERMANENT PAVEMENT TRENCH RESTORATION AND BACKFILL FOR STATE HIGHWAY**

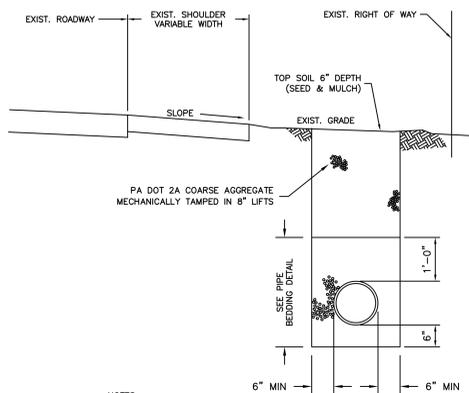
- NOTES:
1. ALL RESTORATION TO BE IN ACCORDANCE WITH PA DOT PUBLICATION 408 AND PA CODE TITLE 67 CHAPTER 459.
  2. SPECIAL CONDITIONS OF OCCUPANCY PERMIT MAY SUPERSEDE THIS DETAIL.



**STANDARD PIPE BEDDING**

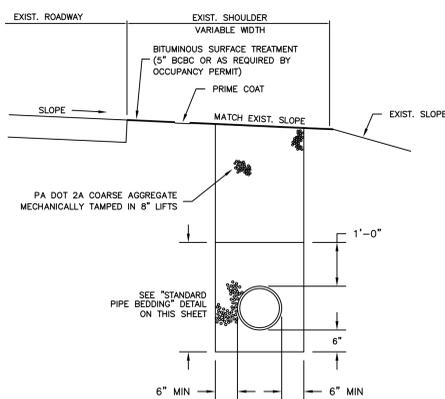


**TEMPORARY PAVEMENT FOR STATE HIGHWAYS AND TOWNSHIP ROADS**



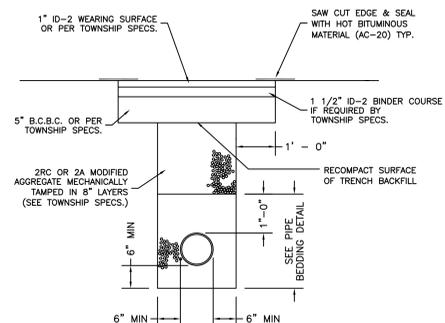
- NOTES:
1. ALL RESTORATION TO BE IN ACCORDANCE WITH PA DOT PUBLICATION 408 AND PA CODE TITLE 67 CHAPTER 459.
  2. SPECIAL CONDITIONS OF OCCUPANCY PERMIT MAY SUPERSEDE THIS DETAIL.

**TRENCH RESTORATION FOR AREAS OUTSIDE SHOULDERS IN STATE HIGHWAY R.O.W.**



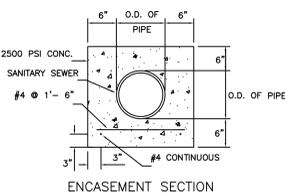
- NOTES:
1. ALL RESTORATION TO BE IN ACCORDANCE WITH PA DOT PUBLICATION 408 AND PA CODE TITLE 67 CHAPTER 459.
  2. SPECIAL CONDITIONS OF OCCUPANCY PERMIT MAY SUPERSEDE THIS DETAIL.

**TRENCH RESTORATION FOR STATE HIGHWAY W/ STABILIZED SHOULDER**



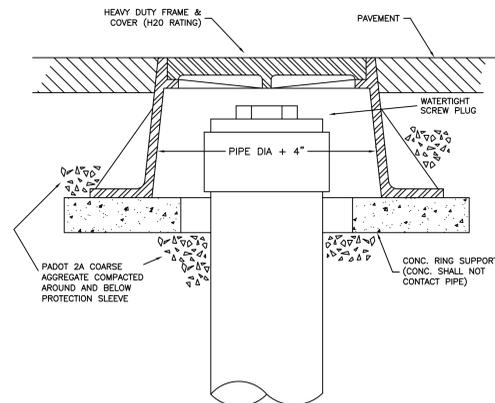
- NOTE: SPECIAL CONDITIONS OF OCCUPANCY PERMIT MAY SUPERSEDE THIS DETAIL.

**PERMANENT PAVEMENT TRENCH RESTORATION AND BACKFILL FOR TOWNSHIP ROADS**



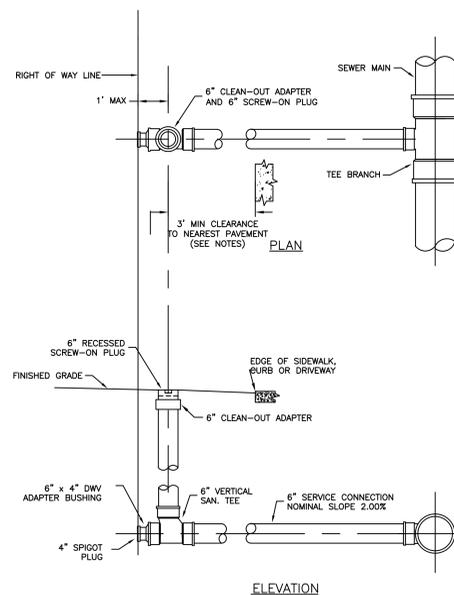
**CONCRETE ENCASEMENT**

- NOTE: PROVIDE REINFORCEMENT AT UTILITY CROSSINGS OR AS DIRECTED BY THE AUTHORITY'S ENGINEER



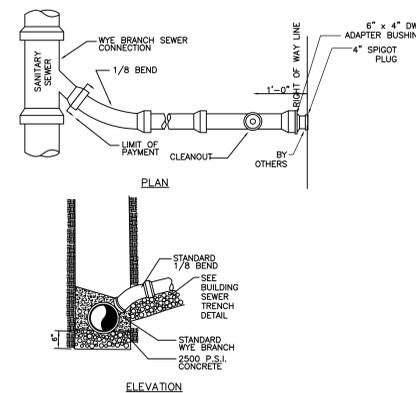
- NOTES:
1. FRAME AND COVER SHALL BE NEENAH FOUNDRY COMPANY MODEL R-1976 OR APPROVED EQUAL.
  2. CLEAN-OUT PROTECTION SLEEVES ARE TO BE INSTALLED FOR CLEAN-OUTS LOCATED IN PAVED AREAS, OR LESS THAN 3 FEET FROM A PAVED AREA.

**CLEAN-OUT PROTECTION SLEEVE (FOR USE IN OR NEAR PAVED AREAS)**

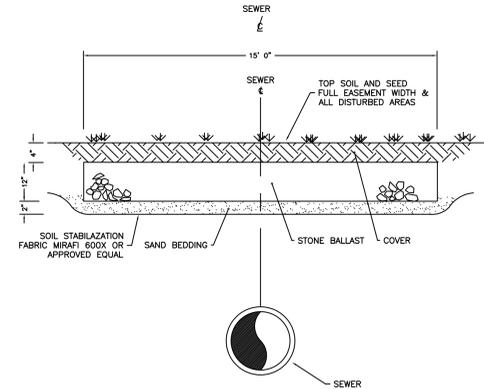


- NOTES:
1. CLEAN-OUTS SHALL NOT NORMALLY BE LOCATED IN OR NEAR PAVED AREAS. UNDER SPECIAL CONDITIONS A CLEAN-OUT LOCATED IN, OR LESS THAN 3 FEET FROM, A PAVED AREA MAY BE ACCEPTABLE IF A PROTECTION SLEEVE AS SHOWN IN "CLEANOUT PROTECTION SLEEVE" DETAIL ON THIS SHEET.

**TEE SERVICE CONNECTION - SHALLOW SEWER**

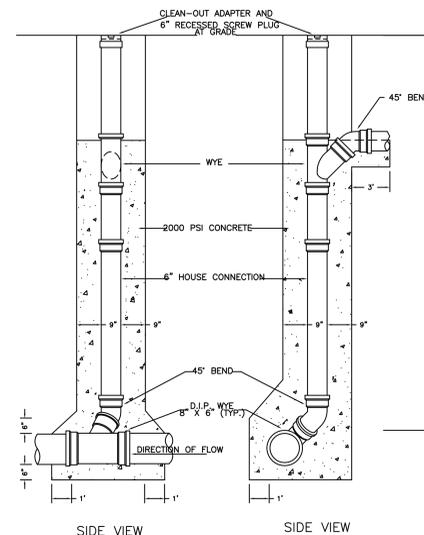


**STANDARD WYE SERVICE CONNECTION**



- NOTES:
1. STABILIZATION FABRIC IS TO BE OMITTED IF SUBGRADE OF BEDROCK OR DENSE GRANULAR MATERIAL.
  2. SURVEYOR MARKERS TO BE PLACED ON 100' C.C. BOTH SIDES OF 15' BASE. MARKER TO BE FLUSH WITH FINISH GRADE.
  3. STABILIZED ACCESS BED SHALL BE INSTALLED ALONG ALL SEWERS LOCATED OUTSIDE ROADWAY RIGHTS-OF-WAY (IN BASEMENTS) FOR PURPOSE OF PROVIDING ACCESS TO MARKER LOCATIONS. STABILIZED ACCESS BED SHALL NOT BE INSTALLED IN WETLAND AREAS OR WATERSHEDS.

**STABILIZED ACCESS BED DETAIL**



- NOTES:
1. DELETE VERTICAL WYE AND UPPER 45° BEND WHEN WITHIN PAVED DRIVEWAY. REPLACE WITH VERTICAL 90° BEND. INSTALL CLEAN-OUT AT PROPERTY LINE IN ACCORDANCE WITH "SERVICE CONNECTION SHALLOW SEWER" DETAIL.
  2. AS AN ALTERNATIVE, A D.I.P. TEE TURNED 45° VERTICALLY MAY BE SUBSTITUTED FOR THE D.I.P. WYE AT THE SEWER MAIN.

**WYE SERVICE CONNECTION - DEEP SEWER**

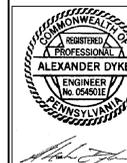
2	ISSUED FOR CONSTRUCTION	8-3-18	JM
REV.	DESCRIPTION	DATE	BY

OWNER:  
BUCKS COUNTY WATER & SEWER AUTHORITY  
1275 ALMHOUSE ROAD  
WARRINGTON, PA 18976

MUNICIPAL FILE NO.:  
XX

DATE:  
1-15-15

**CONSTRUCTION DETAILS**  
**PEBBLE RIDGE / WOODRIDGE AREA**  
**SANITARY SEWERS**  
DOYLESTOWN TOWNSHIP, BUCKS COUNTY, PENNSYLVANIA



**GILMORE & ASSOCIATES, INC.**  
ENGINEERING & CONSULTING SERVICES  
66 EAST BUTLER AVENUE, SUITE 100, NEW BRIGHT, PA 19071-5109 • (610) 345-4320 • www.gilmore-assoc.com

SCALE: 1" = 1'-0"

DESIGNED BY: BMB/TJF/HDS/JM  
DRAWN BY: CB/BMB/TJF  
CHECKED BY: SLR

JOB NO.: 2013-05071  
SHEET NO.: 31 OF 32