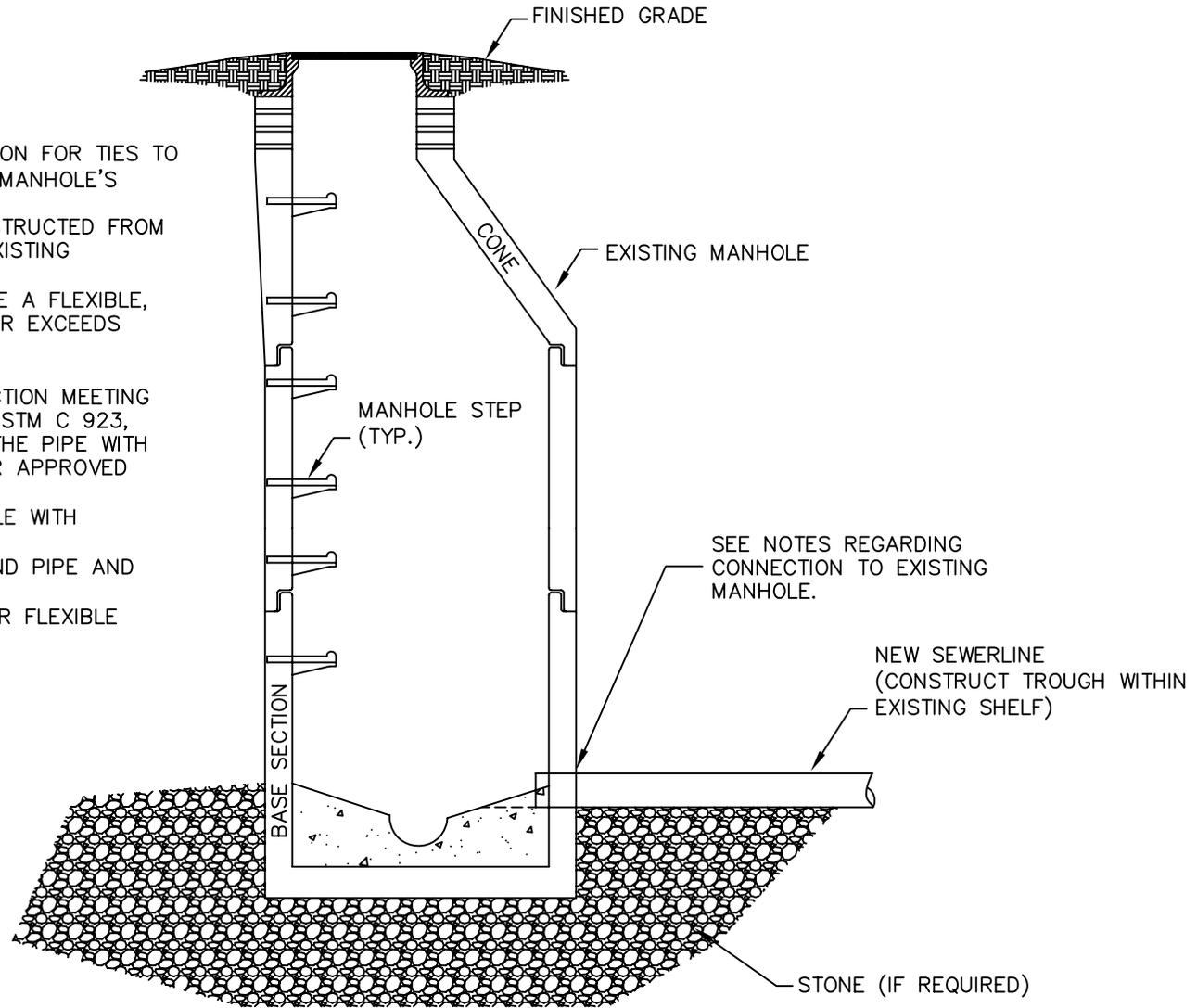


NOTES:

1. THE NEW SEWER LINE INVERT ELEVATION FOR TIES TO EXISTING MANHOLES SHALL MATCH THE MANHOLE'S EXISTING SHELF ELEVATION.
2. A CONCRETE TROUGH IS TO BE CONSTRUCTED FROM THE NEW SEWER LINE INVERT TO THE EXISTING MANHOLE'S INVERT.
3. CORED OR DRILLED OPENING: PROVIDE A FLEXIBLE, WATERTIGHT CONNECTION THAT MEETS OR EXCEEDS ASTM C 923.
4. KNOCK-OUT OPENING:
 - A) PROVIDE A WATERTIGHT CONNECTION MEETING THE MATERIAL REQUIREMENTS OF ASTM C 923, THAT IS SECURELY ATTACHED TO THE PIPE WITH STAINLESS STEEL BANDS OR OTHER APPROVED MEANS.
 - B) GROUT OPENING IN THE MANHOLE WITH NON-SHRINK GROUT.
 - C) POUR CONCRETE COLLAR AROUND PIPE AND OUTSIDE MANHOLE OPENING.
 - D) PROVIDE FLEXIBLE PIPE JOINT OR FLEXIBLE CONNECTOR WITHIN 2' OF COLLAR.



SECTION VIEW
N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION
1	05/16	TROUGH DETAIL EDIT

**YORK COUNTY
ENGINEERING
STANDARDS**

SEWER LINE TO EXISTING MANHOLE

STD. NO.
12.13
DATE
08/10