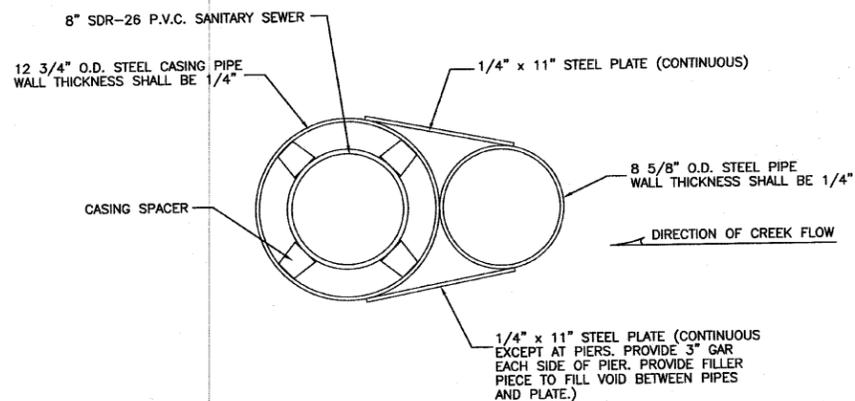


TYPICAL EXISTING CONDITIONS AT PIERS
N.T.S.



PROPOSED IMPROVEMENT DETAIL
N.T.S.

NOTES:

It is the intention of this project to replace the existing sanitary sewer creek crossing with the same diameter pipe and configuration in order to fit the existing concrete piers.

Both steel pipes are to end within the manholes provide welded steel cover on 8 5/8" o.d. pipe and a rubber boot which will be attached to both the 12 3/4" o.d. pipe and the 8" san sewer using stainless steel banding.

Provide non-shrink hydraulic grout around pipes to seal manhole.
All plates shall be 1/4" continuously welded 100%.

Steel Pipe: Steel pipe shall be carbon steel of the diameter and thickness indicated on the Drawings conforming to ASTM A53, Grade B, 35 ksi yield strength.

Steel Plate: Steel plate shall be carbon steel of the size and thickness indicated on the Drawings conforming to ASTM A36, 36 ksi yield strength.

PVC Sanitary Sewer Pipe: Sewer pipe shall PVC pipe of the size indicated on the Drawings conforming to ASTM D3034, SDR 26. PVC pipe joints shall be flexible elastomeric seals per ASTM D3212 and F477.

Casing Spacers: The spacer body shall be of stainless steel construction with a PVC liner, and the runners shall be polyethylene. All fasteners and misc. parts shall be constructed in stainless steel. Casing spacer shall be the type as designed by Cascade Waterworks Manufacturing of Yorkville, IL, or equal.

Non-shrink Hydraulic Grout: Non-shrink grout shall be a cementitious, non-shrink grout conforming to ASTM C1107.

All welding shall be performed per the American Welding Society Standard D1.1 Structural Welding Code for Steel. All welds shall be 1/4" continuous fillet welds unless noted otherwise on the Drawings.

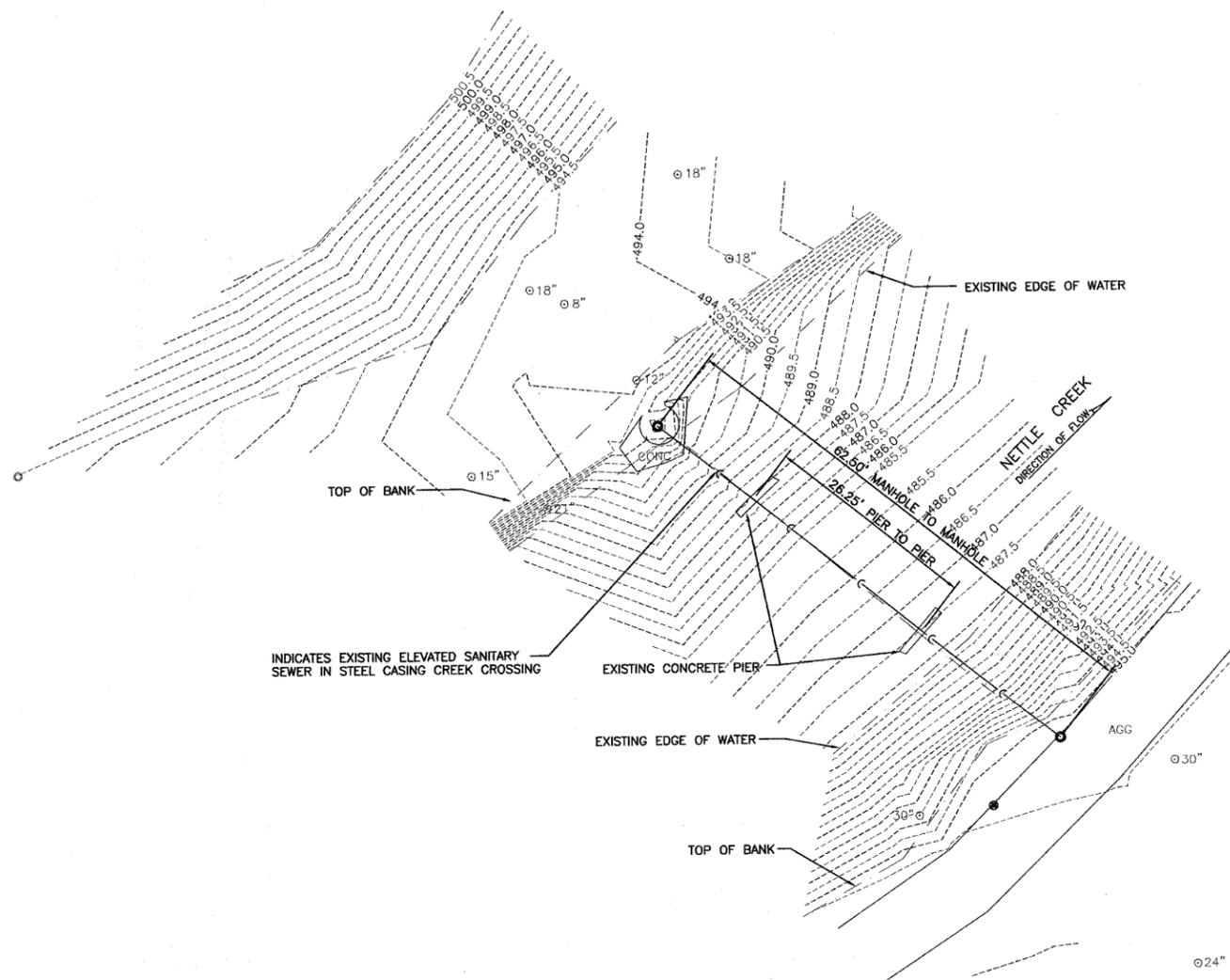
In addition to these Special Provisions, the following documents shall serve as standard specifications for this project:

Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2007, herein referred to as the Roadway Standards.

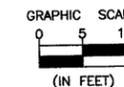
Illinois Society of Professional Engineers Standard Specifications for Water and Sewer Construction in Illinois, Adopted July 1, 2009, herein referred to as the Sewer Standards.

In case of disagreement between these standard specifications and the Special Provisions, the Special Provisions shall hold precedence unless approved by the Engineer.

This work will be paid for at the contract unit price per FOOT, SANITARY SEWER REMOVAL AND REPLACEMENT \$8.00



IMPROVEMENT PLAN VIEW



FILE NAME =
011-TOPO-1-27-10.DWG

USER NAME = ---
PLOT SCALE = 1"=20'
PLOT DATE = 04/10

DESIGNED - A.M.F.
DRAWN - G.A.H.
CHECKED - J.K.C.
DATE - 04/10

REVISED -
REVISED -
REVISED -
REVISED -

FAU 5958 (OTTAWA AVENUE)
SECTION 07-00137-00-BR
GRUNDY COUNTY

SANITARY SEWER CREEK CROSSING REMOVAL AND REPLACEMENT

SCALE: AS NOTED SHEET NO. 11 OF 11 SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5958	07-00137-00-BR	GRUNDY	11	11
CONTRACT NO. 87463				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				