

2315 Enterprise Drive - Suite 102 Westchester, II. 60154-5811 708-492-1000

TEMPORARY AGGREGATE

(CONTRACTORS OPTION)

(INCIDENTAL)

MAXIMUM PAYMENT WIDTH OF TRENCH

(BOTTOM OF ROADWAY PAVEMENT AND TBF PAYMENT LIMIT)

SURFACE GRADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BLUFF AVENUE IMPROVEMENTS

STAGE 1

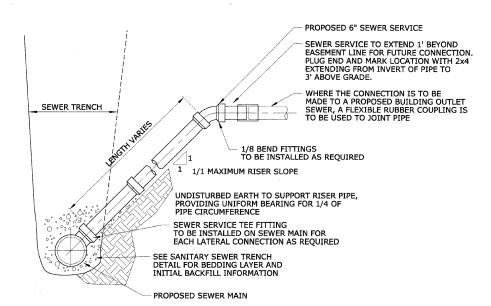
CONSTRUCTION DETAILS - SPECIAL

DRAWN BY H&A
CHECKED BY PFH

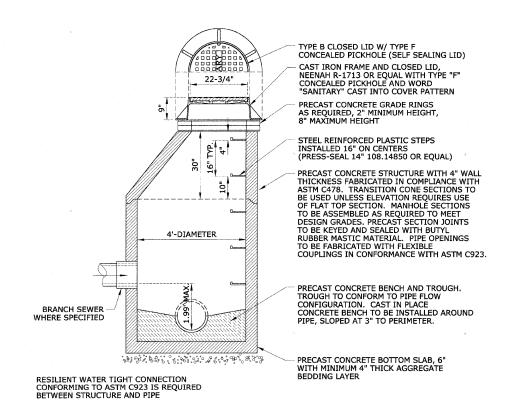
SCALE: NTS

SUBGRADE

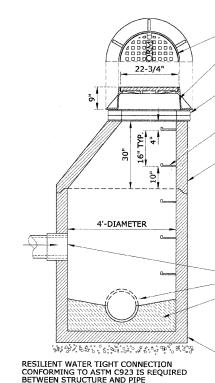
CONTRACT No. 63007



SEWER SERVICE TEE AND RISER



SANITARY MANHOLE, TYPE A, 4'-DIAMETER
WITH TYPE 1 FRAME AND CLOSED LID



CAST IRON FRAME AND CLOSED LID,
NEENAH R-1713 OR EQUAL AND WORD
"STORM" CAST INTO COVER PATTERN

PRECAST CONCRETE GRADE RINGS
AS REQUIRED, 2" MINIMUM HEIGHT,
8" MAXIMUM HEIGHT

STEEL REINFORCED PLASTIC STEPS
INSTALLED 16" ON CENTERS
(PRESS-SEAL 14" 108.14850 OR EQUAL)

PRECAST CONCRETE STRUCTURE WITH 4" WALL
THICKNESS FABRICATED IN COMPLIANCE WITH
ASTM C478. TRANSITION CONE SECTIONS TO
BE USED UNLESS ELEVATION REQUIRES USE
OF ELAT TOP SECTIONS

TYPE B CLOSED LID W/ TYPE F CONCEALED PICKHOLE (SELF SEALING LID)

TRENCH DEPTH / PROTECTION

5 FT AND LESS, W/O PROTECTION

5 FT AND LESS, W/ PROTECTION

GREATER THAN 5 FT

PRECAST CONCRETE STRUCTURE WITH 4" WAL THICKNESS FABRICATED IN COMPLIANCE WITH ASTM C478. TRANSITION CONE SECTIONS TO BE USED UNLESS ELEVATION REQUIRES USE OF FLAT TOP SECTION. MANHOLE SECTIONS TO BE ASSEMBLED AS REQUIRED TO MEET DESIGN GRADES. PRECAST SECTION JOINTS TO BE KEYED AND SEALED WITH BUTYL RUBBER MASTIC MATERIAL. PIPE OPENINGS TO BE SECURELY SEALED WITH CEMENT BRICK AND MORTAR. MORTAR COATING TO BE APPLIED BOTH INSIDE AND OUTSIDE.

INLET PIPE WHERE SPECIFIED STORM SEWER PIPE (TYPICAL)

CAST IN PLACE CONCRETE BENCH TO BE INSTALLED AROUND PIPE, SLOPED AT 3" TO PERIMETER. PRECAST CONCRETE BENCH AND TROUGH. TROUGH TO CONFORM TO PIPE FLOW CONFIGURATION.

- PRECAST CONCRETE BOTTOM SLAB, 6" WITH MINIMUM 4" THICK AGGREGATE BEDDING LAYER

STORM MANHOLE, TYPE A, 4'-DIAMETER WITH TYPE 1 FRAME AND CLOSED LID

