

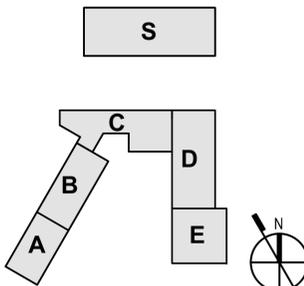


REV	DESCRIPTION	DATE
1	AMENDMENT 001	JAN 2023

COMPOSITE ASE AND VMXS FACILITY

CONNECTICUT AIR NATIONAL GUARD
103 RD AIRLIFT WING - BRADLEY AIR NATIONAL
GUARD BASE
EAST GRANBY, CONNECTICUT

Key Plan:



Scales: NOT TO SCALE

Jacobs Project No.: D3257200

Drawing Title:

CIVIL
CIVIL DETAILS

Phase: B-3 FINAL DESIGN

Date: 03/31/2022

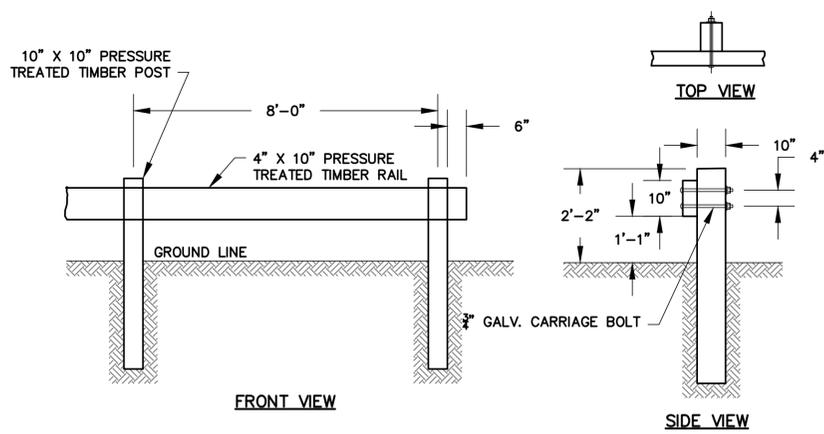
Designed: JPP

Drawn: JPP

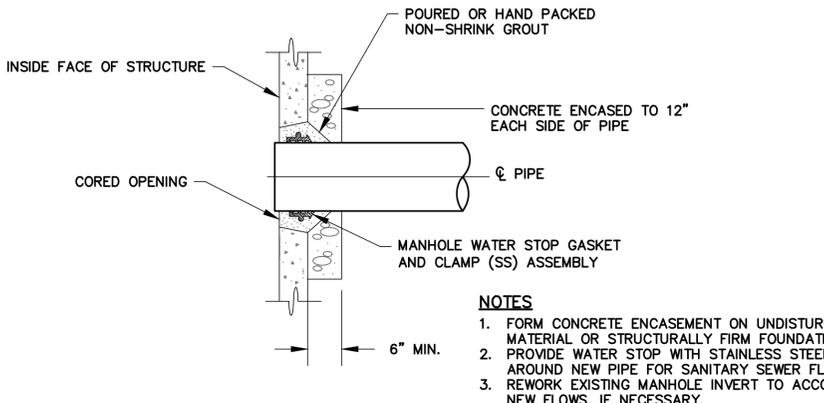
Checked: JWG

Drawing No.:

C-306

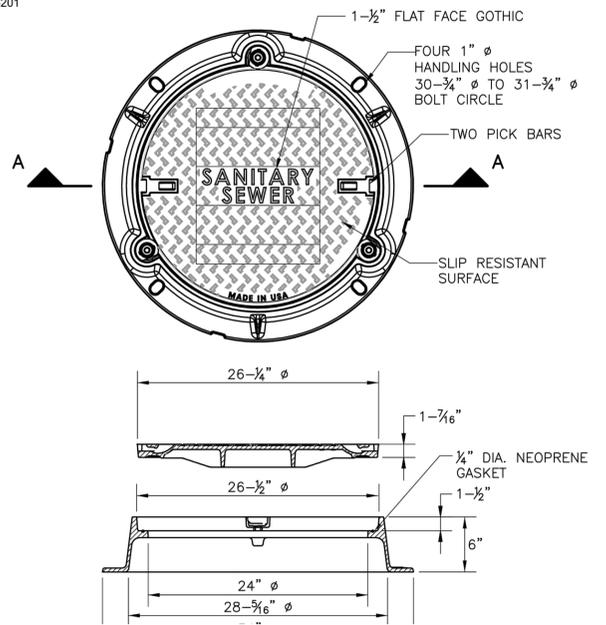


1 **TIMBER GUARDRAIL**
NOT TO SCALE
C-104
C-105

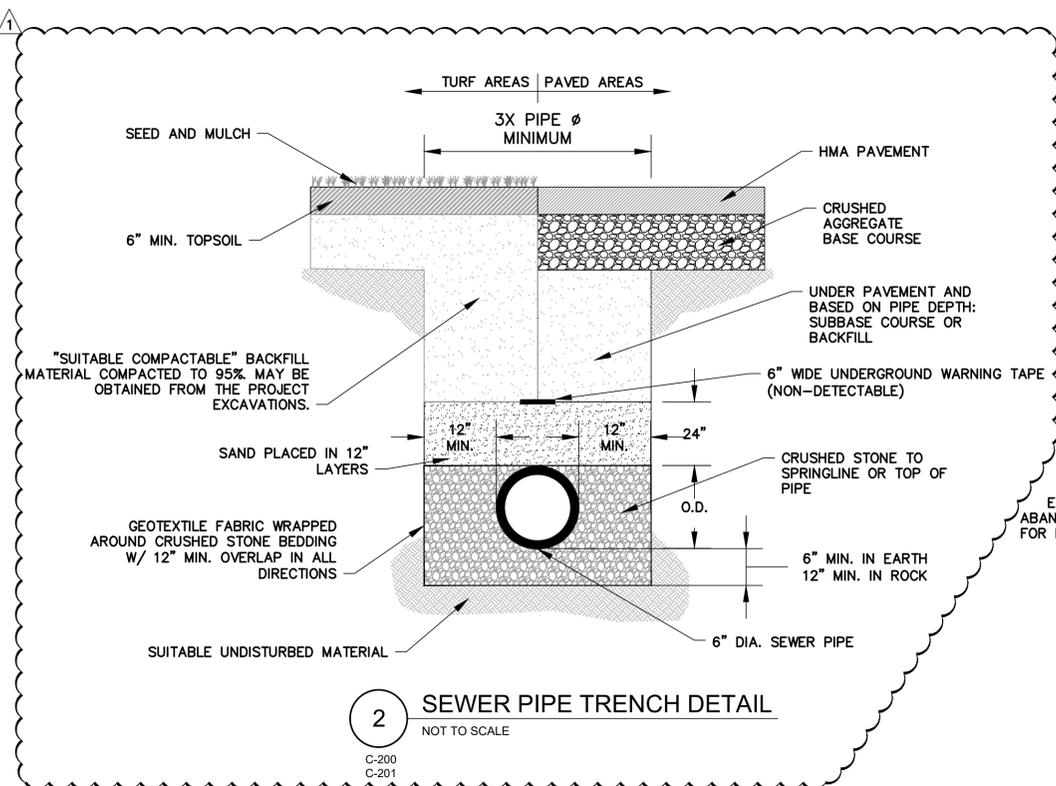


- NOTES**
1. FORM CONCRETE ENCASEMENT ON UNDISTURBED MATERIAL OR STRUCTURALLY FIRM FOUNDATION.
 2. PROVIDE WATER STOP WITH STAINLESS STEEL CLAMP AROUND NEW PIPE FOR SANITARY SEWER FLOWS.
 3. REWORK EXISTING MANHOLE INVERT TO ACCOMMODATE NEW FLOWS, IF NECESSARY.

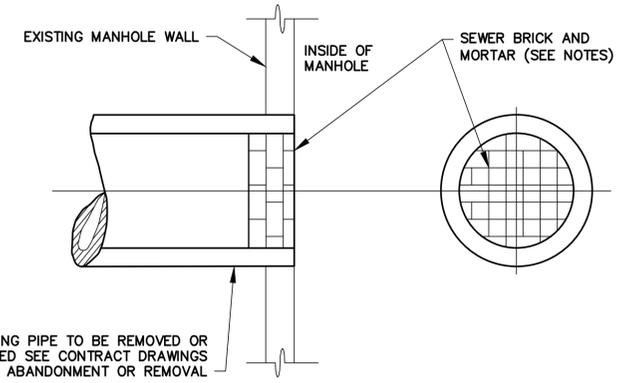
4 **SEWER PIPE CONNECTION TO EXISTING STRUCTURE DETAIL**
NOT TO SCALE
C-200
C-201



6 **STANDARD WATERTIGHT SANITARY MANHOLE FRAME AND COVER**
NOT TO SCALE
C-306

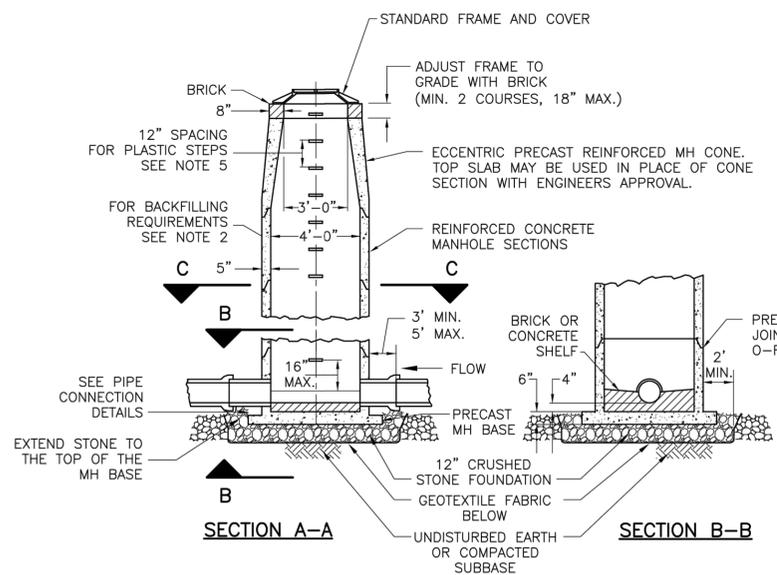


2 **SEWER PIPE TRENCH DETAIL**
NOT TO SCALE
C-200
C-201



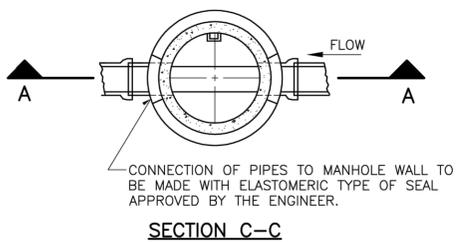
3 **SEWER PIPE PLUG AT MANHOLE DETAIL**
NOT TO SCALE
C-200
C-201

- NOTES**
1. MIN. 6" THICKNESS FOR PIPE SIZES 4" THROUGH 10".
 2. MIN. 8" THICKNESS FOR PIPE SIZES 12" AND 15".
 3. MIN. 12" THICKNESS FOR PIPE SIZES 15" AND GREATER.
 4. SEWER PIPE 36" OR GREATER MAY UTILIZE CONCRETE BLOCK INSTEAD OF SEWER BRICK.



5 **PRECAST SANITARY SEWER MANHOLE DETAIL**
NOT TO SCALE
C-200
C-201

- NOTES:**
1. STANDARD MDC TYPE II PRECAST CONCRETE MANHOLE. PIPE CONNECTION TO MANHOLE SHALL BE WATERTIGHT CONNECTION CAST-IN-PLACE RESILIENT RUBBER GASKET OR RUBBER BOOT IN STAINLESS STEEL BANDS. ANNULAR SPACE AROUND PIPE SHALL BE FILLED WITH GROUT FROM INTERIOR OF STRUCTURE.



- NOTES:**
1. MAXIMUM PIPE SIZE TO BE INSTALLED IN 48" MANHOLE BASE SHALL BE 18".
 2. REFER TO SEWER TRENCH DETAIL FOR BACKFILLING AND COMPACTION REQUIREMENTS AROUND SEWER MANHOLES.
 3. INVERT THROUGH THE MANHOLE SHALL HAVE A UNIFORM GRADE OF MINIMUM 0.10 FEET BETWEEN THE INVERTS OF THE INLET AND OUTLET PIPES. INVERTS SHALL BE FIELD FORMED AND NOT FORMED IN SHOP/YARD.
 4. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE TRIBUTARY INLET AND THE MANHOLE INVERT SHALL BE 18 INCHES. ELEVATION DIFFERENCES GREATER THAN 18 INCHES WILL REQUIRE A DROP CONNECTION.