

- MANHOLE DETAIL
- 5.2. OR APPROVED EQUAL FRAME AND COVER CONSTRUCTION SHALL BE COMPATIBLE WITH STANDARD PRECAST SEWER

NOTES:

- 5.1. EAST JORDAN = 2160A

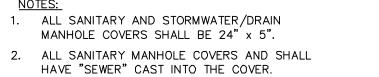
- 4.2. OR APPROVED EQUAL 5. APPROVED MANHOLE COVERS

4. APPROVED MANHOLE FRAMES:

4.1. EAST JORDAN = 1690Z

3. ALL STORMWATER/DRAIN MANHOLE COVERS

SHALL HAVE "DRAIN" CAST INTO THE COVER.



- COVER SHALL HAVE UTILITY NAME CAST IN AS

WELL AS ANY LOCAL INSIGNIA. SEE NOTE 1.

- BRICK CHANNEL TO BE AASHTO M-91-42 GRADE SA SEWER BRICK OR CONCRETE

- 6" THICK 3/4" CRUSHED STONE (MDOT

PSI 3000, WITH NO AIR VOIDS

703.22 TYPE C) BASE

COURSES

NOTES:

WITH TAPE) 2. SET DRAIN IN CHANNEL SURROUNDED BY 8" OF

CONCRETE HAS COMPLETELY HARDENED

A MIN. OF 3500 PSI

INSTALLATION DETAILS

- 1. CHANNELS TO BE INSTALLED WITH A BLANK GRATE; GRATE TO BE PROTECTED FROM CONCRETE POUR (COVER HOLES

EXISTING SOIL

- CONSTRUCTION METHODS (SEE NOTE 4) OPTION 1: 2X4 WOOD MEMBER SUSPENSION METHOD: ATTACHED TO EX. SLAB WITH HARDENED NAIL; SUSPEND CHANNEL WITH WIRE FROM REBAR CLIPS OPTION 2: #3 OR #4 REBAR STAKE SUSPENSION METHOD; LENGTH OF STAKE WILL VARY WITH SLOPE OF DRAIN EX. OR NEW -CONCRETE SLAB #4 REBAR: HORIZONTAL PLACE TOP & BOTTOM OF CONCRETE; POUR 3" CLR AT BOTTOM
- 24" Ø MH FRAME & CONE, SEE NOTE 2. - CEMENT MORTAR (TYPE II CEMENT) - ADJUST TO GRADE WITH SEWER BRICK WITH A MIN. OF 3 COURSES AND A MAX. OF 8 PRECAST CONCRETE TRUNCATED MH CONE. WHEN DEPTH OF SEWER IS LESS THAN OR EQUAL TO 5', USE FLATTOP IN LIEU OF TRUNCATED CONE. - FOR JOINTS OF WATERTIGHT MANHOLE KENT SEAL, RAM NEK OR "O" RING MUST MEET AASHTO M198B ALL PRECAST CONC. SECTIONS SHALL CONFORM TO ASTM C478 AND BE DESIGNED <u>Plan view</u> FOR H-20 LOADING COVER, FRAME AND STONE - PRECAST CONC. BASE SECTION WITH PIPE OPENINGS AS APPROVED BY THE ENGINEER SIDEWALL OF MANHOLE TO BE BACK-FILLED W/SELECT BACKFILL AASHTO SPEC M145-49 AS REVISED, CLASS A-3 OR BETTER POSITIVE SLOPED BENCH OF 1/4"/FT MIN. TOWARDS CHANNEL
- SOLDIER BRICK (BOTH SIDES UNDER STONE) RAM-NEK GASKET ----OR EQUAL 5" ALL JOINTS SHALL BE ----COMPLETELY FILLED

STANDARD FRAME

AND COVER

