

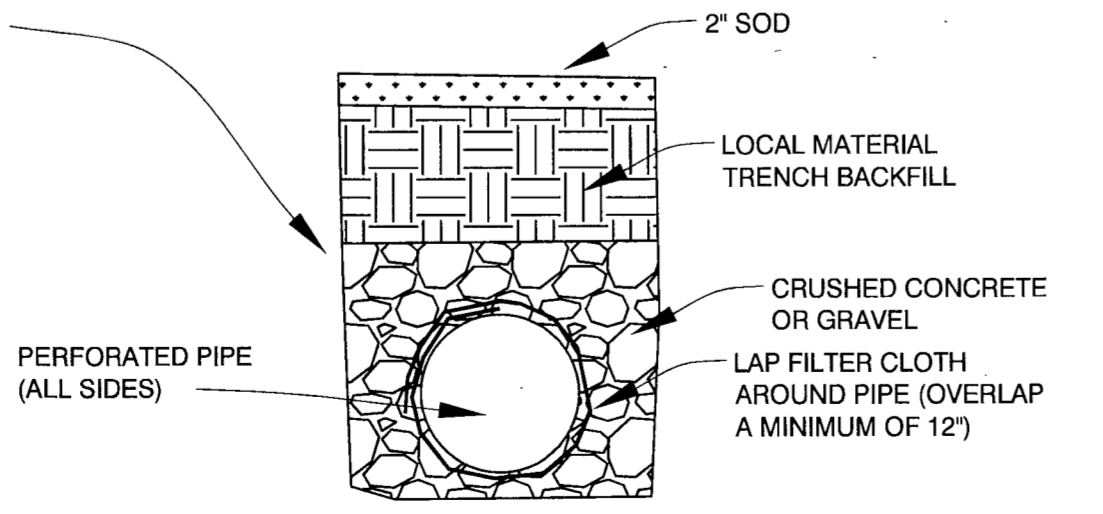
NOTE TO CONTRACTOR:
 POP-UP VALVES TO BE SET WITH THE TOP OF GROUND. SUBMIT SPECIFICATIONS OF POP-UP VALVES TO BE USED. TO THE ENGINEER FOR APPROVAL.

NOTE TO CONTRACTOR:
 SUBMIT SPECIFICATIONS OF THE INLETS TO BE USED. TO THE ENGINEER FOR APPROVAL.

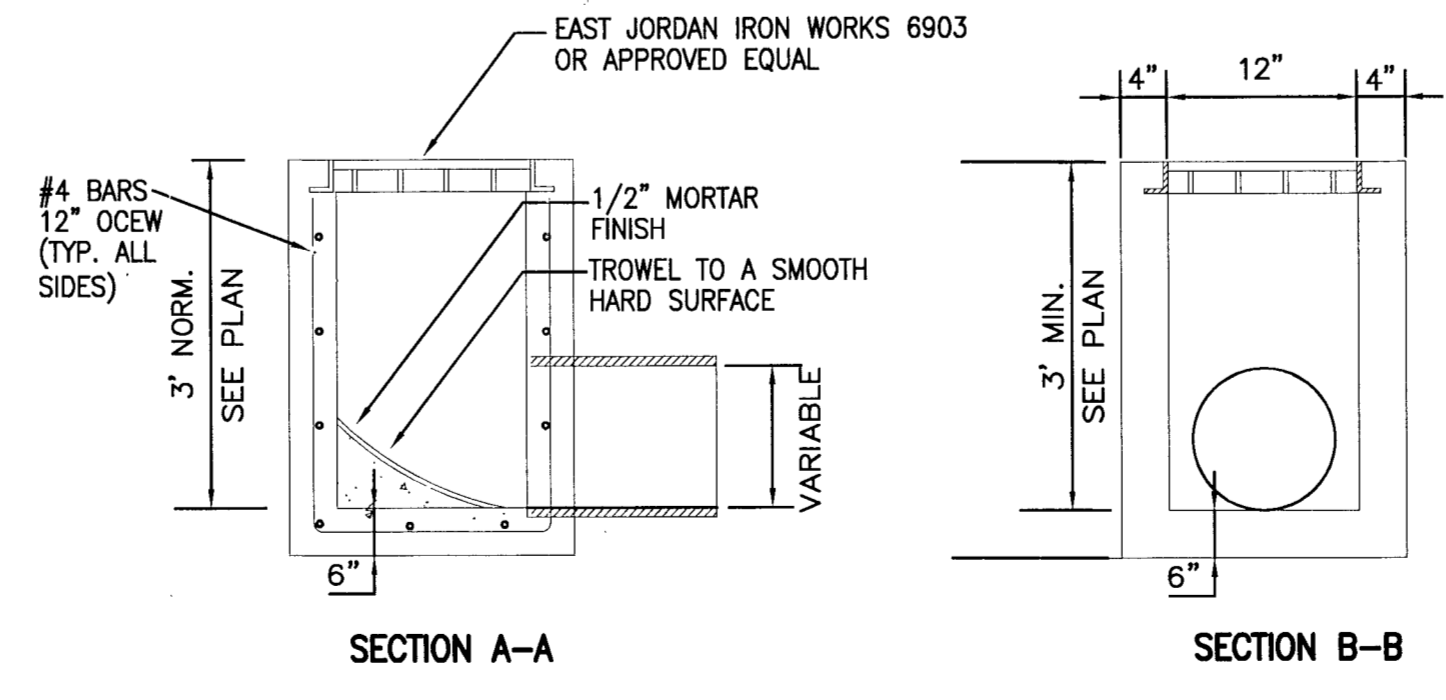
NOTE TO CONTRACTOR:

PERFORATED PIPE TRENCH TO CONTAIN A MIN. OF 6" OF CRUSHED CONCRETE OR GAVEL TO SURROUND THE PIPE. PIPE TO BE SURROUNDED WITH A FILTER CLOTH TO PREVENT CLOGGING OF THE PERFORATIONS.

ENGINEER TO APPROVE BOTH PERFORATED PIPE AND FILTER CLOTH PRIOR TO INSTALLATION.



PERFORATED PIPE TRENCH DETAIL

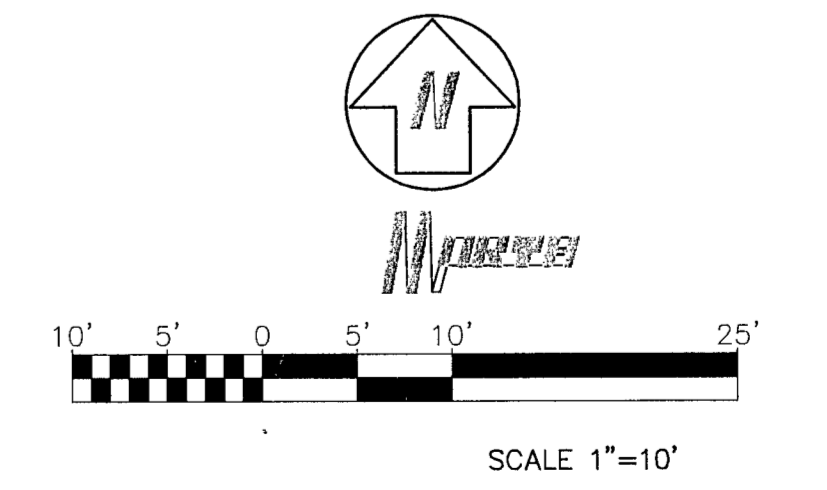


ONE GRATE INLET DETAILS
 SCALE: N.T.S.

WEST PROEPRTY LINE GRATE INLET CAPACITY CALCULATIONS:

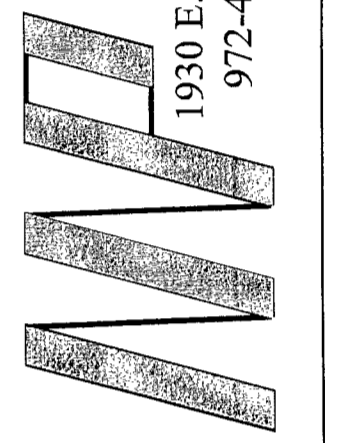
USE SPECIFIED JORDON IRON WORKS INLET INLET EACH INLET HAS APPROXIMATELY AN AREA OF 1/2 S.F. OR 4 SF/INLET

USING THE ORIFICE FORMULA
 ASSUME 6" DEPTH (0.50') OVER GRATE
 $Q = CA\sqrt{2gh}$
 $Q = (0.7)(0.5)\sqrt{2(32.2)(.50)}$
 $Q = 1.98 \text{ cfs/GRATE}$
 THERE ARE 2 INLETS FOR A TOTAL OF 3.96 cfs



DRAINAGE SYSTEM PLAN

MICHAEL PEEPLES
 Engineers and Planners
 1930 E. ROSEMEADE #205 - CARROLLTON, TX 75007
 972-416-1968 (TEL) 214-731-9949 (FAX)
 ENGINEERING FIRM #3754



10/11/10

Lot 5, Block 3, Bellbrook Estates, Addison, Texas
 David & Louise Rosenfield - Owners

SHEET
CE-2
 OF
 PW#2010-10