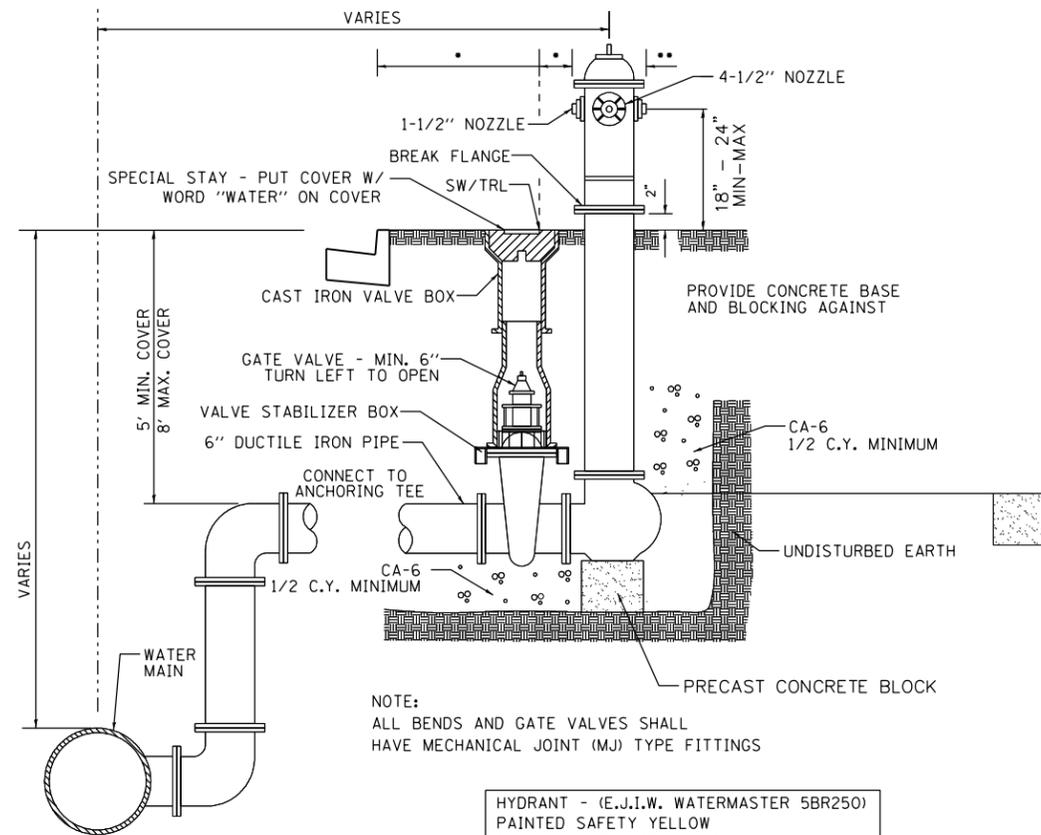


VALVE STABILIZER DETAIL

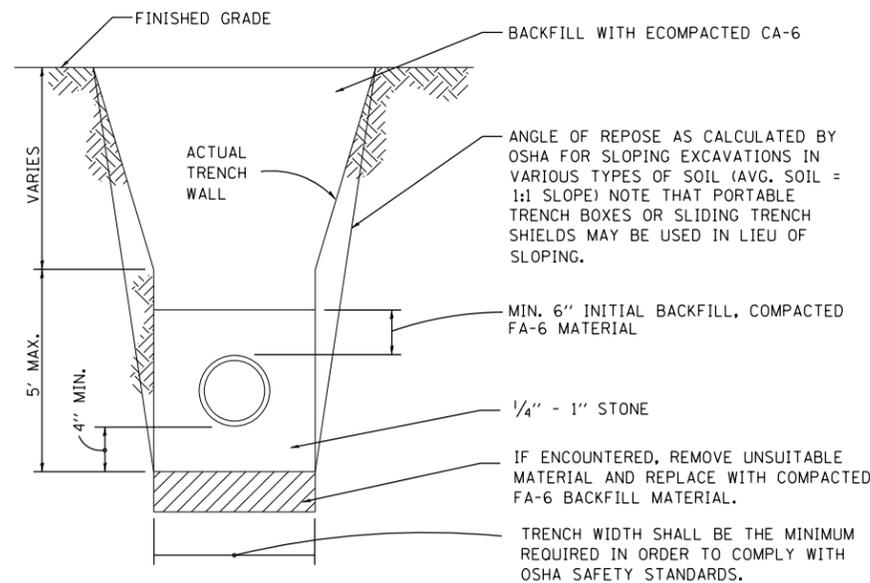


NOTE:  
ALL BENDS AND GATE VALVES SHALL  
HAVE MECHANICAL JOINT (MJ) TYPE FITTINGS

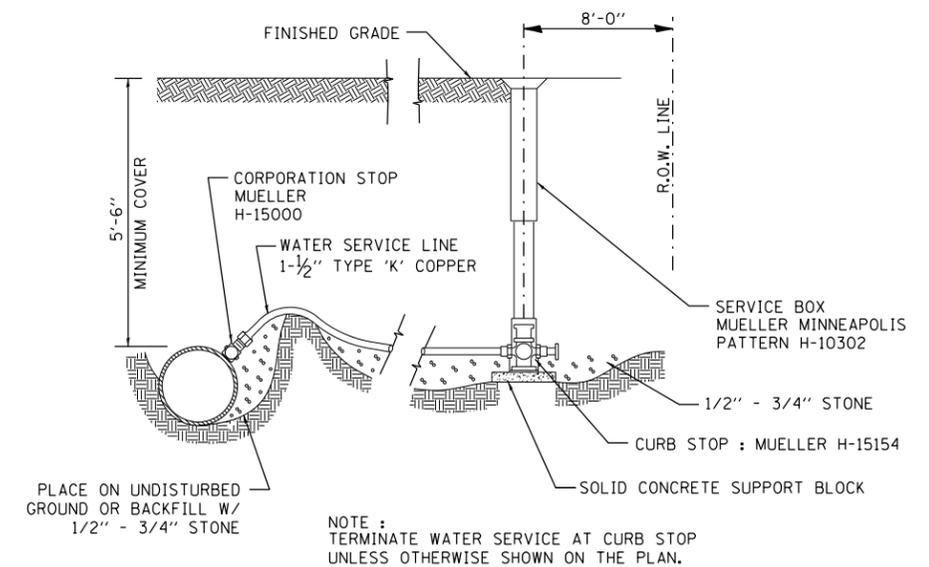
HYDRANT - (E.J.I.W. WATERMASTER 5BR250)  
PAINTED SAFETY YELLOW  
BREAKABLE FLANGE AND COUPLING  
2 - 2 1/2" AND 1 - 4 1/2" HOSE NOZZLE ALL  
WITH NATIONAL STANDARD THREADS

- CONTRACTOR MUST ENSURE HYDRANT WILL BE 2' MINIMUM FROM PROPOSED FACE OF ROADWAY CURB AND 6" MINIMUM FROM SIDEWALK/TRAIL.
- FIRE HYDRANTS MAY BE PLACED IMMEDIATELY ADJACENT TO THE ROADWAY R.O.W. IF ALL CLEARANCES ARE MET.

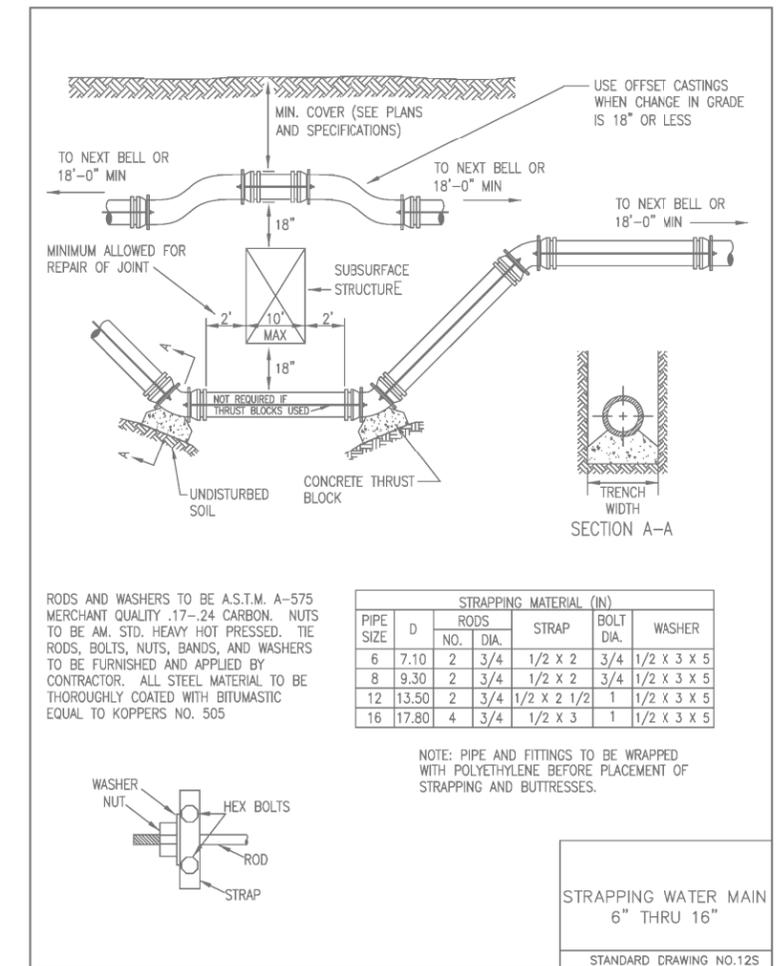
**HYDRANT INSTALLATION**



**WATER MAIN TRENCH**



**WATER SERVICE CONNECTION (SMALLER THAN 2-INCHES)**



PIPE SIZE	D	STRAPPING MATERIAL (IN)			
		RODS NO.	STRAP DIA.	BOLT DIA.	WASHER
6	7.10	2	3/4	1/2 X 2	3/4 1/2 X 3 X 5
8	9.30	2	3/4	1/2 X 2	3/4 1/2 X 3 X 5
12	13.50	2	3/4	1/2 X 2 1/2	1 1/2 X 3 X 5
16	17.80	4	3/4	1/2 X 3	1 1/2 X 3 X 5

NOTE: PIPE AND FITTINGS TO BE WRAPPED WITH POLYETHYLENE BEFORE PLACEMENT OF STRAPPING AND BUTTRESSES.

STRAPPING WATER MAIN  
6" THRU 16"  
STANDARD DRAWING NO.125

FILE NAME = D160M62-SHT-WATER07.dgn	USER NAME = Frank.Stallone	DESIGNED - DF	REVISED -
		DRAWN - DF	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - TDW	REVISED -
SHT.PLAN	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	236
WT-07		CONTRACT NO. 60M62		
ILLINOIS FED. AID PROJECT				