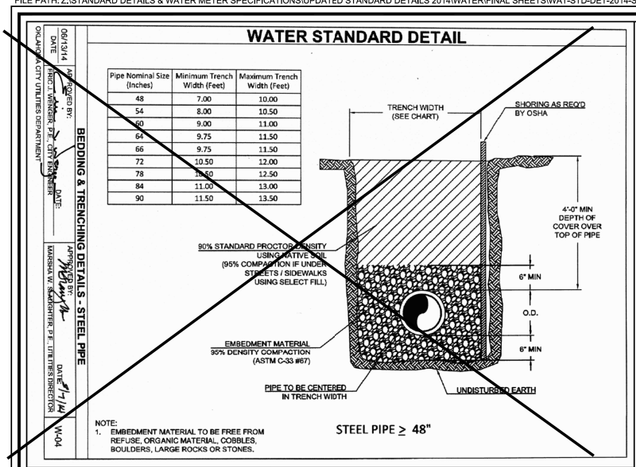
PLOTTED: Friday, November 07, 2014 1:44:23 PM
FILE PATH: Z:\STANDARD DETAILS & WATER METER SPECIFICATIONS\UPDATED STANDARD DETAILS 2014\WATER\FINAL SHEETS\WAT-STD-DET-2014-SIGNED.DWG

WATER STANDARD DETAIL

BEDDING & TRENCHING DETAILS - STEEL PIPE — W-04

Pipe Nominal Size (Inches)	Minimum Trench Width (Feet)	Maximum Trench Width (Feet)
48	7.00	10.00
54	8.00	10.50
60	9.00	11.00
64	9.75	11.50
66	9.75	11.50
72	10.50	12.00
78	11.00	12.50
84	11.00	13.00
90	11.50	13.50



STEEL PIPE ≥ 48"

NOTE:
1. EMBEDMENT MATERIAL TO BE FREE FROM REFUSE, ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES.

WATER STANDARD DETAIL

WATER STANDARD DETAIL INDEX — W-00

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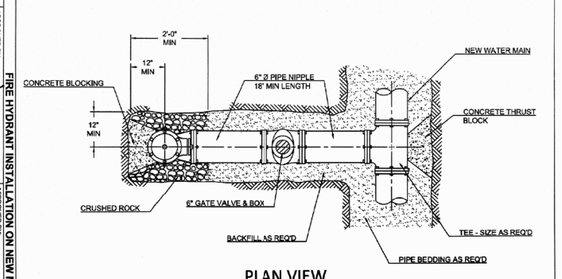
WATER STANDARD DETAIL

FIRE HYDRANT INSTALLATION ON NEW MAIN — W-05 — 1 OF 2



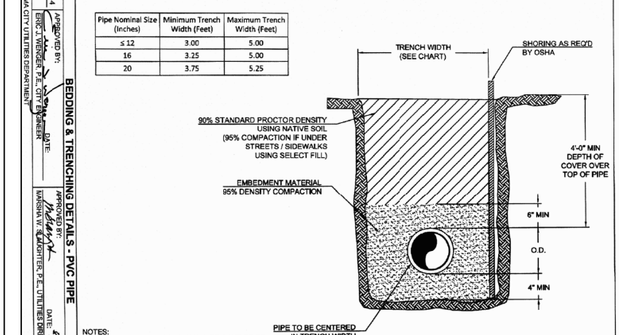
PLAN VIEW

NOTES:
1. HYDRANT COLOR IS AS FOLLOWS:
   (a) "INTERNATIONAL ORANGE" (SW 4081) FOR PUBLIC
   (b) "SAFETY RED" (SW 4082) FOR PRIVATE
2. SEE DETAIL W-43 & W-44 FOR THRUST BLOCK SIZING.
3. ALL VALVES & VALVE BOXES ARE TO BE INSTALLED OUTSIDE EXISTING OR PROPOSED ADA RAMPS.

WATER STANDARD DETAIL

BEDDING & TRENCHING DETAILS - PVC PIPE — W-01

Pipe Nominal Size (Inches)	Minimum Trench Width (Feet)	Maximum Trench Width (Feet)
≤ 12	3.00	5.00
16	3.25	5.00
20	3.75	5.25

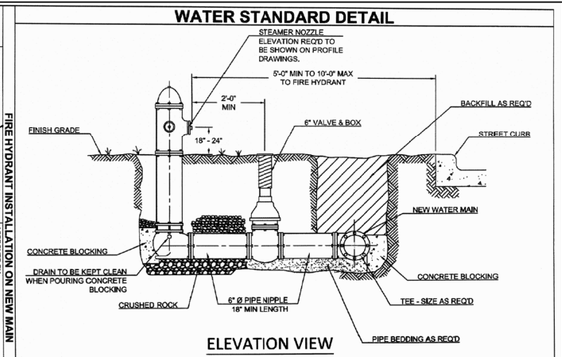


PVC PIPE

NOTES:
1. EMBEDMENT MATERIAL SHALL BE SAND TO BE READILY WORKED UNDER THE SIDES OF THE PIPE. IT SHALL BE FREE FROM REFUSE, ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES.
2. SEE DETAIL W-13 FOR TRACER WIRE INSTALLATION.

WATER STANDARD DETAIL

FIRE HYDRANT INSTALLATION ON NEW MAIN — W-06 — 2 OF 2



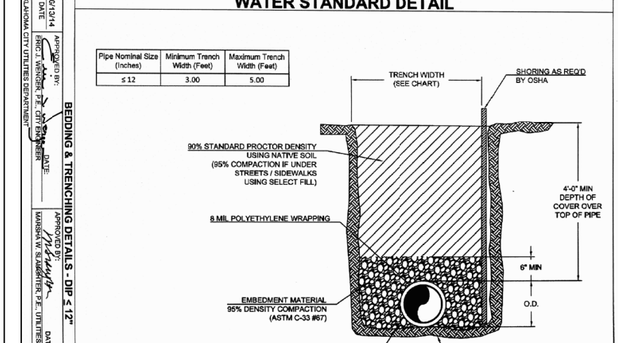
ELEVATION VIEW

NOTES:
1. HYDRANT COLOR IS AS FOLLOWS:
(a) "INTERNATIONAL ORANGE" (SW 4081) FOR PUBLIC
(b) "SAFETY RED" (SW 4082) FOR PRIVATE
2. SEE DETAIL W-43 & W-44 FOR THRUST BLOCK SIZING.
3. ALL VALVES & VALVE BOXES ARE TO BE INSTALLED OUTSIDE EXISTING OR PROPOSED ADA RAMPS.

WATER STANDARD DETAIL

BEDDING & TRENCHING DETAILS - DIP ≤ 12" — W-02

Pipe Nominal Size (Inches)	Minimum Trench Width (Feet)	Maximum Trench Width (Feet)
≤ 12	3.00	5.00

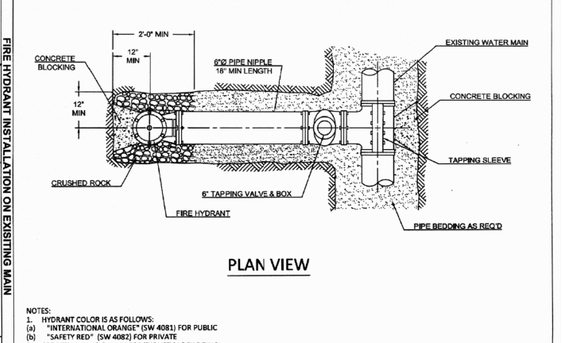


DUCTILE IRON PIPE ≤ 12"

NOTE:
1. EMBEDMENT MATERIAL TO BE FREE FROM REFUSE, ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES.

WATER STANDARD DETAIL

FIRE HYDRANT INSTALLATION ON EXISTING MAIN — W-07 — 1 OF 2



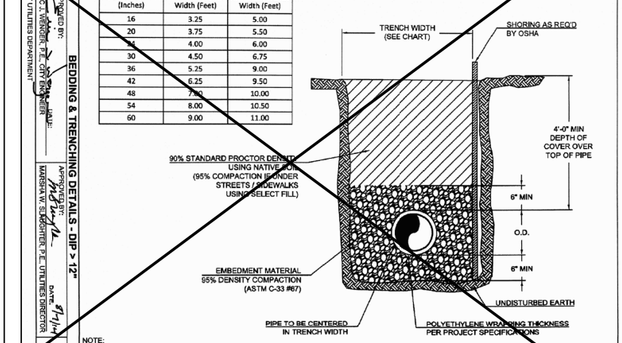
PLAN VIEW

NOTES:
1. HYDRANT COLOR IS AS FOLLOWS:
(a) "INTERNATIONAL ORANGE" (SW 4081) FOR PUBLIC
(b) "SAFETY RED" (SW 4082) FOR PRIVATE
2. SEE DETAIL W-43 & W-44 FOR THRUST BLOCK SIZING.
3. ALL VALVES & VALVE BOXES ARE TO BE INSTALLED OUTSIDE EXISTING OR PROPOSED ADA RAMPS.

WATER STANDARD DETAIL

BEDDING & TRENCHING DETAILS - DIP > 12" — W-03

Pipe Nominal Size (Inches)	Minimum Trench Width (Feet)	Maximum Trench Width (Feet)
16	3.25	5.00
20	3.75	5.50
24	4.00	6.00
30	4.50	6.75
36	5.25	9.00
42	6.25	9.50
48	7.00	10.00
54	8.00	10.50
60	9.00	11.00



DUCTILE IRON PIPE > 12"

NOTE:
1. EMBEDMENT MATERIAL TO BE FREE FROM REFUSE, ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES.

WATER
STANDARD DETAILS

NO.	DATE	DESCRIPTION
1	11/07/14	STD DRAWING W-00 MODIFIED

SHEET NUMBER: W-STD-01
SCALE: AS SHOWN
DATE: 11/07/14
DRAWN BY: JGS
CHECKED BY: JOHNSEARN

The City of Oklahoma City
Utilities Department
Engineering Division

MacArthur Associated Consultants
25 N.W. 146th Street • Edmond, OK 73013 • 405.840.2811
C.O.A. No. 699 Renewal Date: 06-30-19

OKLAHOMA CITY BOULEVARD
OKLAHOMA CITY
W-STD-01
Project No. WC-0917
STATE JOB NO. 17428(88)
Sheet No. 71B
OKLAHOMA CO.