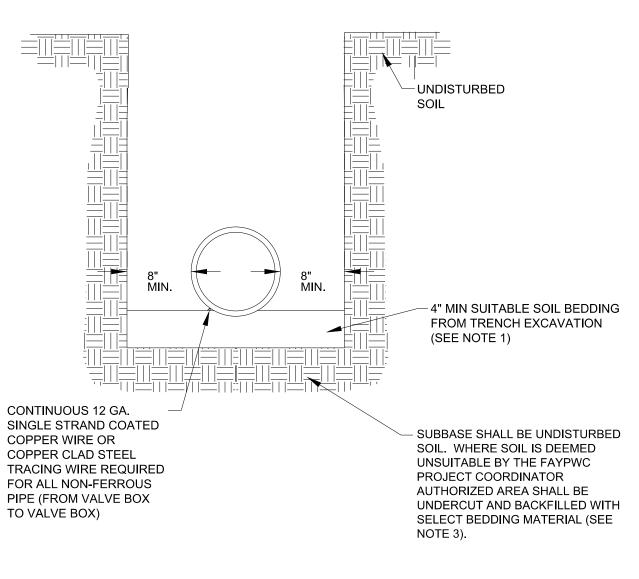


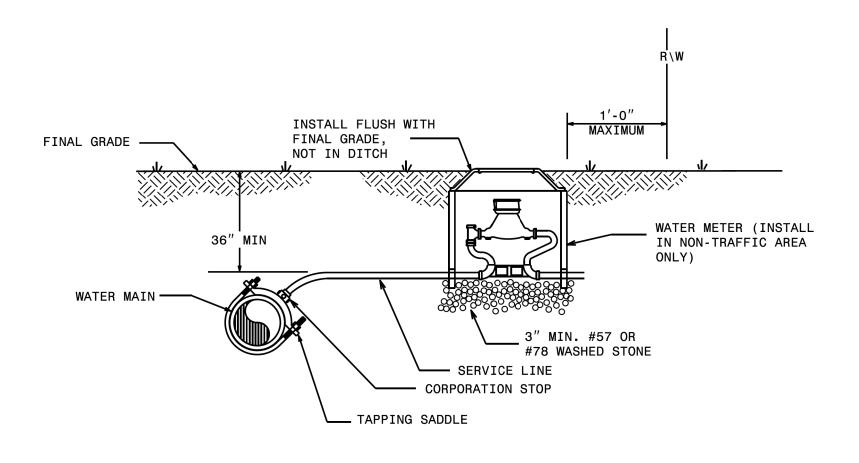
WATER MAIN BEDDING DETAIL



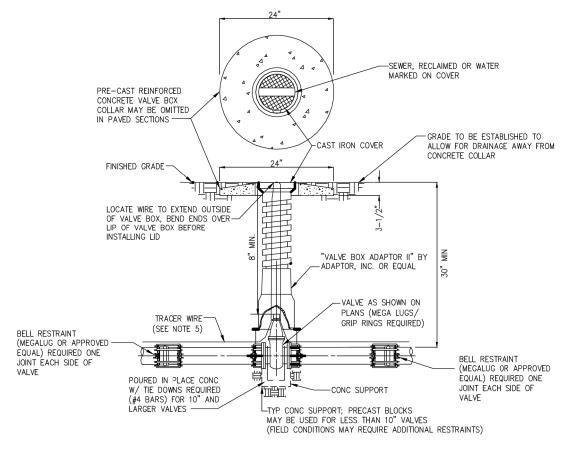
1. SUITABLE SOIL BEDDING IS DEFINED AS "NATIVE" SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH.

2. SUITABLE BEDDING MATERIAL SHALL EXTEND TO UNDISTURBED TRENCH WALLS.

3. IF GROUND CONDITIONS WARRANT, IT MAY BE NECESSARY TO BED DUCTILE IRON WATER MAINS IN SELECT BEDDING MATERIAL (No.5 OR No.57 STONE) TO THE SPRINGLINE OF THE PIPE. SUCH INSTALLATION SHALL BE AS DIRECTED BY THE FAYPWC PROJECT COORDINATOR.

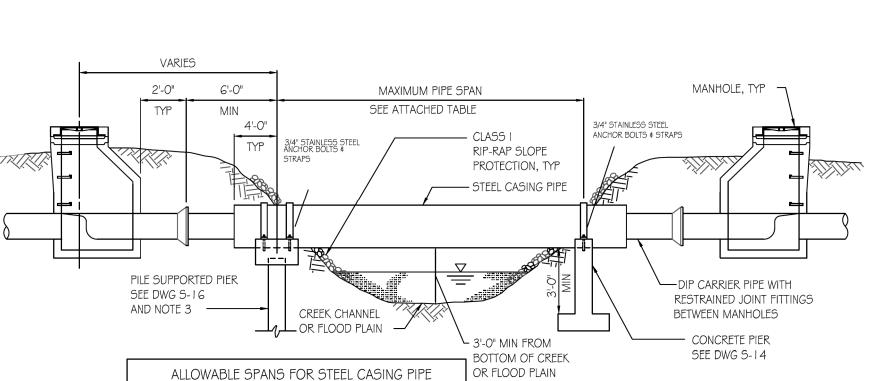


NOTES: 1. THIS DETAIL SHOWS THE TYPICAL FINAL WATER METER CONFIGURATION AFTER INSTALLATION OF A PROPOSED WATER METER, RECONNECTION OF AN EXISTING WATER METER, OR RELOCATION OF A WATER METER.

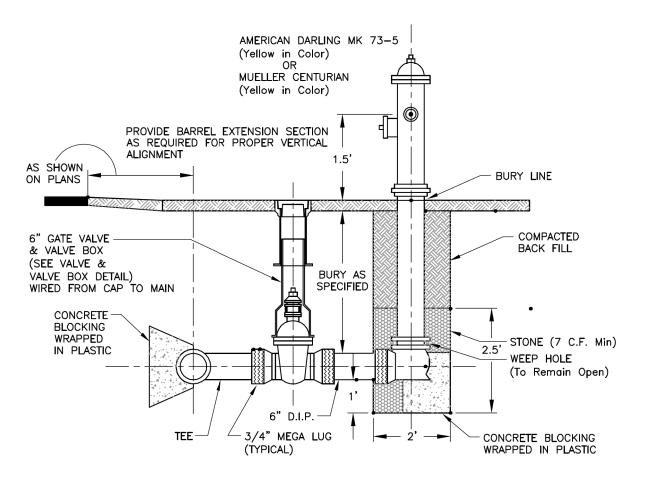


- 1. TOP OF VALVE BOX AND COLLAR SHALL BE PAINTED GREEN FOR SEWER FM, PURPLE FOR RECLAIMED WATER, AND BLUE FOR WATER.
- EXTENSION STEM WILL BE REQUIRED TO BE WITHIN 2 FEET OF THE SURFACE IF OPERATING NUT WOULD
 OTHERWISE BE OVER 5 FEET BELOW GRADE. EXTENSIONS SHALL BE PERMANENTLY ATTACHED TO VALVE NUT
 AND SHALL BE PROVIDED WITH HORIZONTAL SPACERS FOR VERTICAL ALIGNMENT WITHIN THE VALVE BOX.
- 3. MINIMUM CLEARANCE TO EXTENSION IS 8".
- 4. WIRE COLORS REQUIRED: SEWER-GREEN/WATER-BLUE/RECLAIMED WATER-PURPLE OR GREEN WITH PURPLE
- 5. 12 GA. COPPERHEAD SUPER FLEX TRACER WIRE OR APPROVED EQUAL.

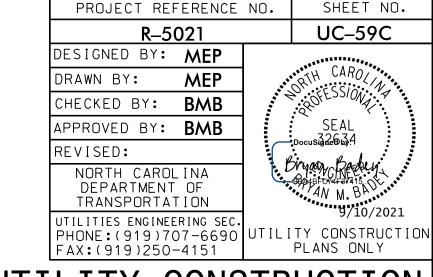
VALVE BOX



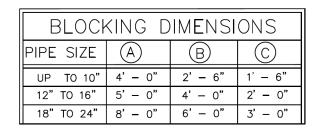
CARRIER PIPE, DIP DIAMETER (IN.)	CASING PIPE, STEEL DIAMETER (IN.)	MINIMUM CASING PIPE WALL THICKNESS (IN.)	ALLOWABLE SPAN (FT.)
6	14	0.3750	40
8	16	0.3750	45
10	18	0.3750	50
12	20	0.3750	50
14	24	0.3750	55
16	26	0.3750	55
18	30	0.3750	60
20	32	0.3750	60
24	36	0.4375	65
30	42	0.4375	65
36	48	0.500	65
42	56	0.5000	65

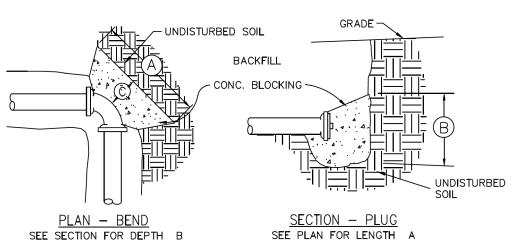


FIRE HYDRANT ASSEMBLY

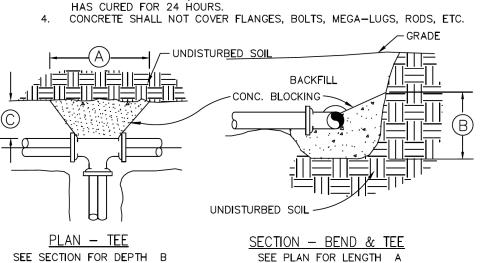


UTILITY CONSTRUCTION

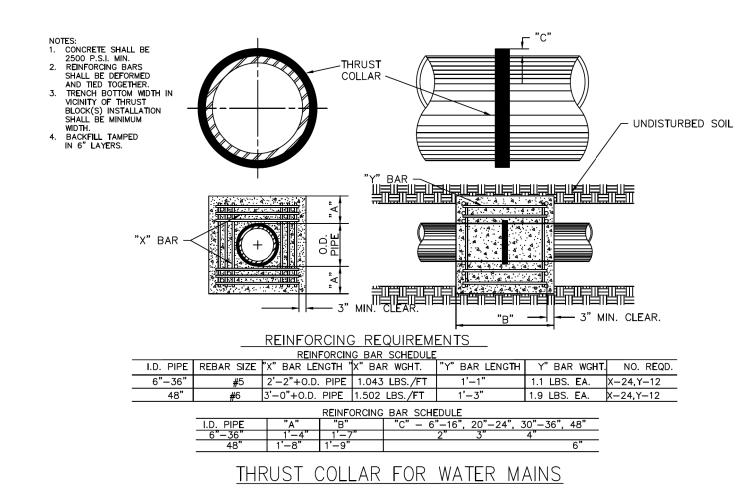




- 1. 2500 P.S.I. CONC. REMOVE LOOSE EARTH AND POUR AGAINST UNDISTURBED SOIL.
- BACKFILL TO EXISTING/FINISH GRADE AFTER CONCRETE
- HAS CURED FOR 24 HOURS.



THRUST BLOCKS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TRACER WIRE TO EXTEND OUTSIDE OF VALVE BOX, BEND ENDS OVER LIP OF VALVE BOX BEFORE INSTALLING LID

PROVIDE TRACER WIRE ON ALL NON-FERROUS PIPELINES.

TRACER WIRE AT VALVES

12 GA., "COPPERHEAD SUPER FLEX" TRACER WIRE (OR APPROVED EQUAL)

NOTE:

1. WRE COLOR REQUIRED

• SEWER-GREEN

• WATER-BLUE

• RECLAIMED WATER-PURPLE OR GREEN WITH PURPLE STRIPE

"VALVE BOX ADAPTOR II" BY ADAPTOR, INC. OR EQUAL —

