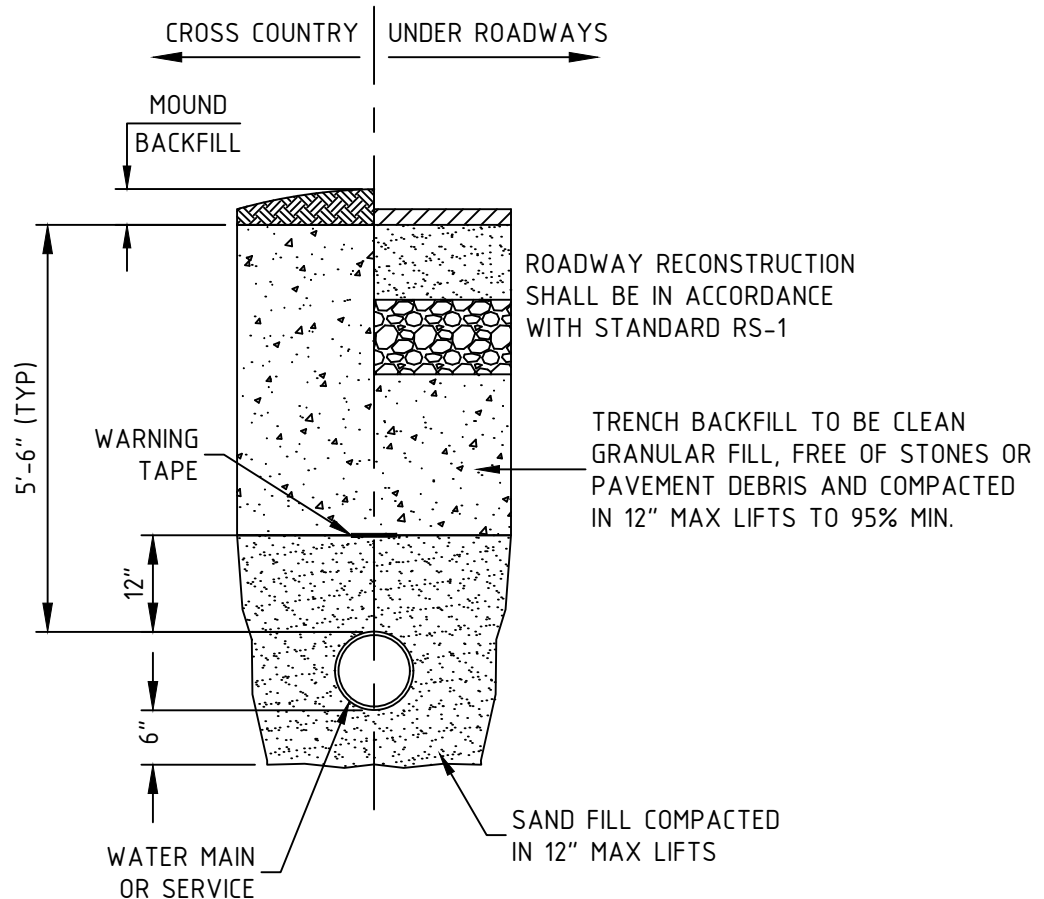
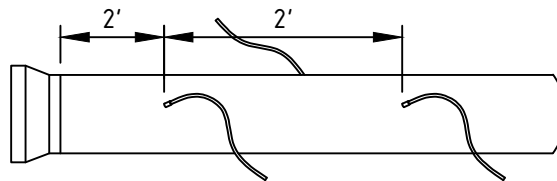




WATER MAIN MATERIAL
SHALL BE CEMENT LINED DUCTILE
IRON

24" MINIMUM SEPARATION BETWEEN
SERVICE TAPS OR FROM A BELL



TRACER WIRE SHALL BE
PLACED OVER ALL SERVICES
THAT ARE NON-METALLIC
SEE DETAIL W-15

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Town of Durham Engineering Division

WATER MAIN/SERVICE TRENCH

SECTION:

WATER

DWG #:

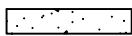
W-1

DATE:

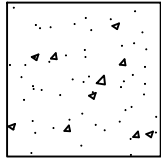
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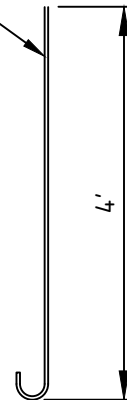


4"x16" CONCRETE SLAB OR
LARGE FLAT ROCK UNDER SHOE



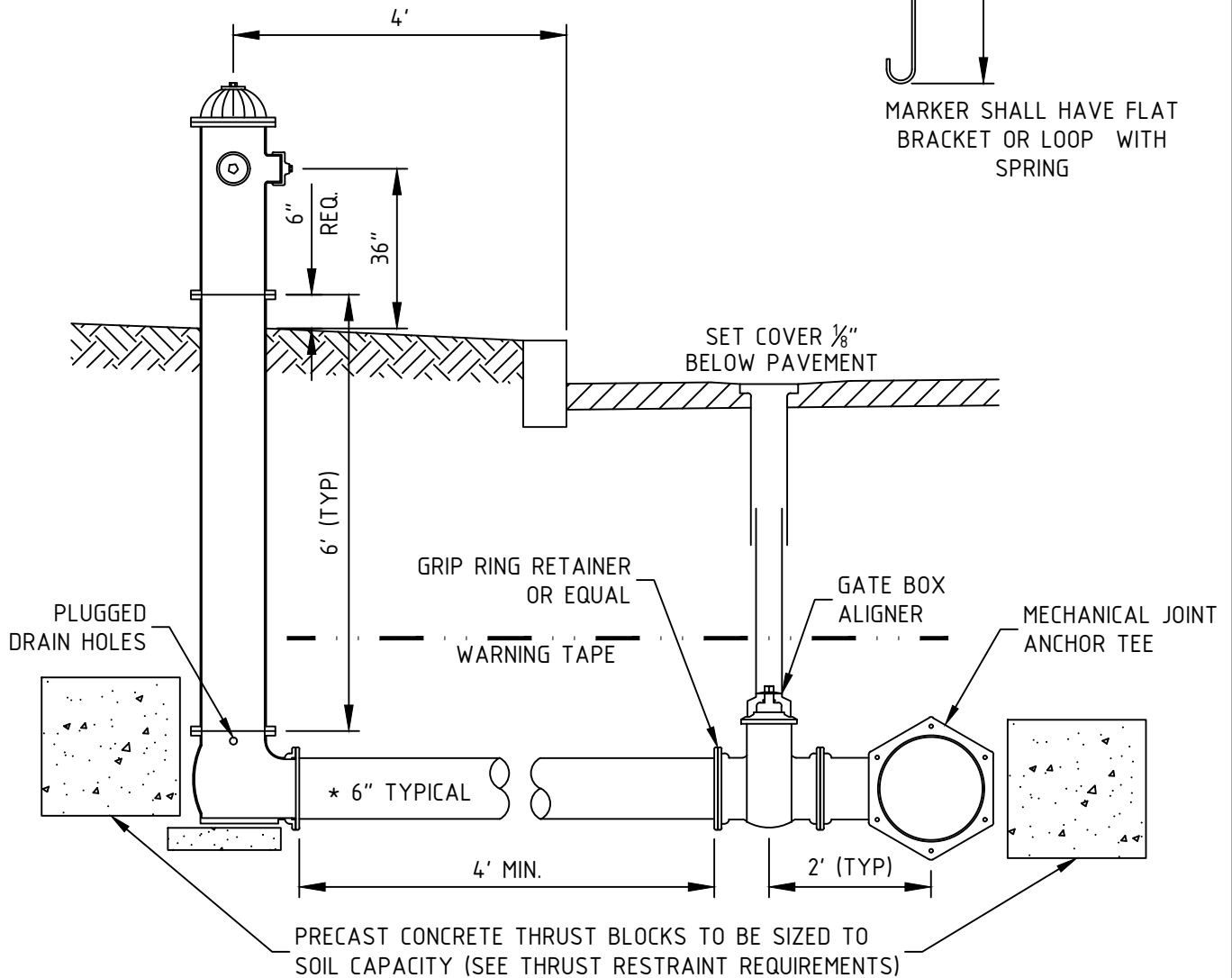
PRECAST CONCRETE THRUST
BLOCK WITH CABLE HITCH 2'x2'

FIBERGLASS
HYDRANT
MARKERS WITH
REFLECTIVE
BANDS



MARKER SHALL HAVE FLAT
BRACKET OR LOOP WITH
SPRING

HYDRANT SHALL BE OPEN LEFT
MUELLER OR AS DIRECTED BY
WATER FOREMAN



- * SHOULD THE HYDRANT BE MORE THAN 20' FROM THE MAIN, THE HYDRANT SERVICE SHALL BE 8" TO A POINT IMMEDIATELY ADJACENT TO THE HYDRANT WHERE THE SERVICE WILL BE REDUCED TO 6"

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FIRE HYDRANT

SECTION:

WATER

DWG #:

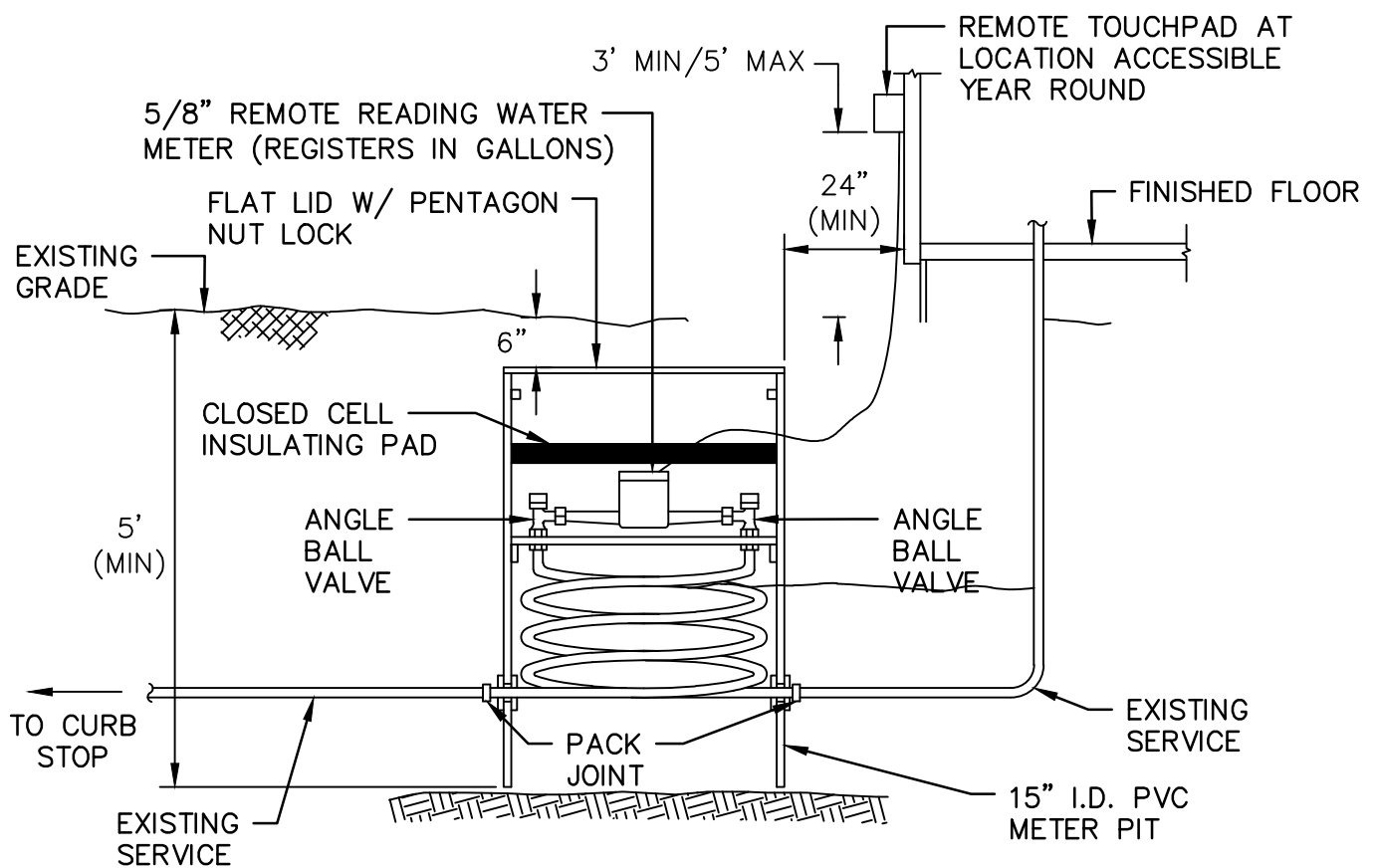
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NOTES:

1. METER PIT SHALL BE REQUIRED AS DIRECTED BY THE TOWN ENGINEER AND/OR DIRECTOR OF PUBLIC WORKS WHEN WATER SERVICE LENGTH IS 150 FT OR MORE.
2. METER PIT SHALL BE LOCATED IN AREA AWAY FROM VEHICLE TRAFFIC.

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RESIDENTIAL METER PIT
DETAIL

SECTION:

WATER

DWG #:

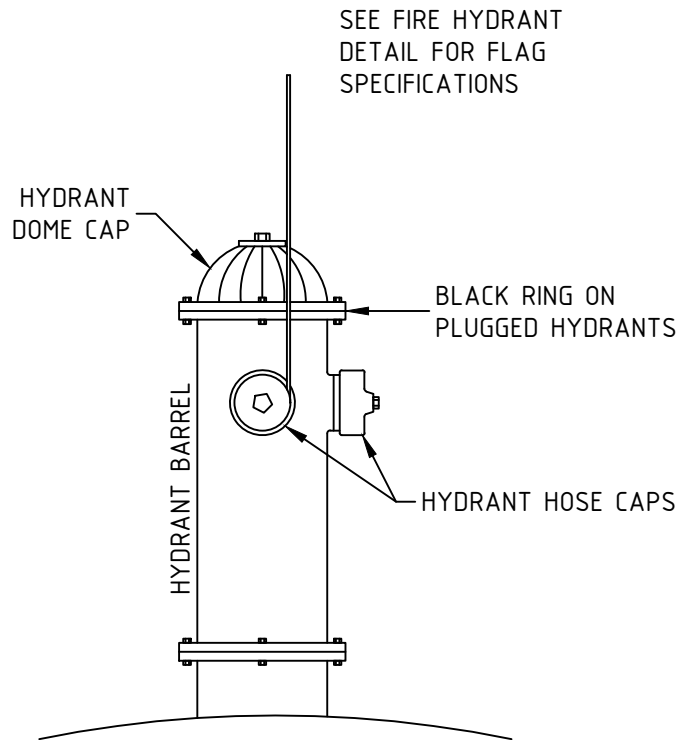
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HYDRANT PAINTING

SERVICE PRESSURE	HYDRANT BARREL	HYDRANT DOME CAP	HYDRANT HOSE CAPS
HIGH PRESSURE	GLOSS YELLOW	WHITE	GLOSS YELLOW

NOTES:

1. THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR THE PAINTING OF THE HYDRANTS.

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HYDRANT PAINTING & MARKER FLAGS

SECTION:

WATER

DWG #:

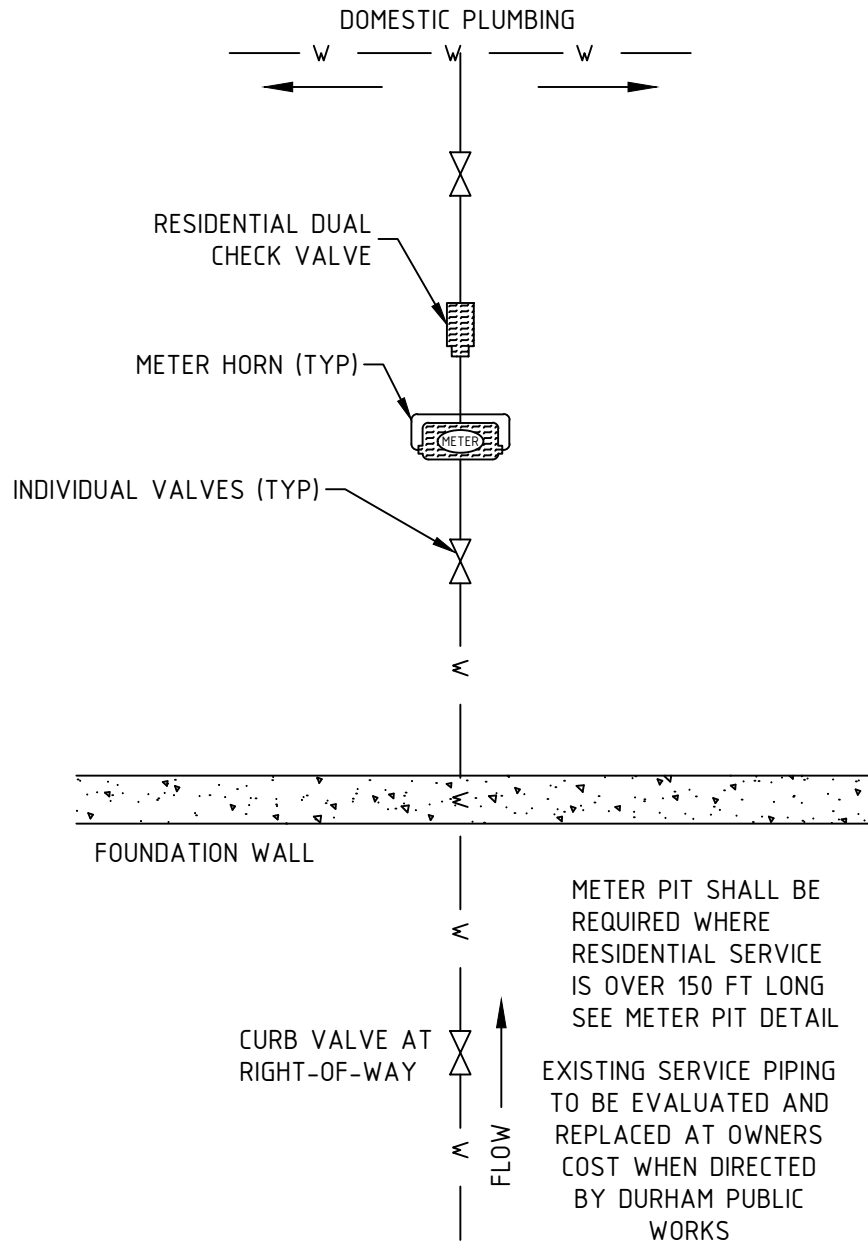
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NOTE: ALL METERS 1 INCH OR LESS SHALL
BE SUPPLIED BY TOWN OF DURHAM
WATER DEPARTMENT

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Town of Durham Engineering Division

SINGLE FAMILY METER INSTALLATION

SECTION:

WATER

DWG #:

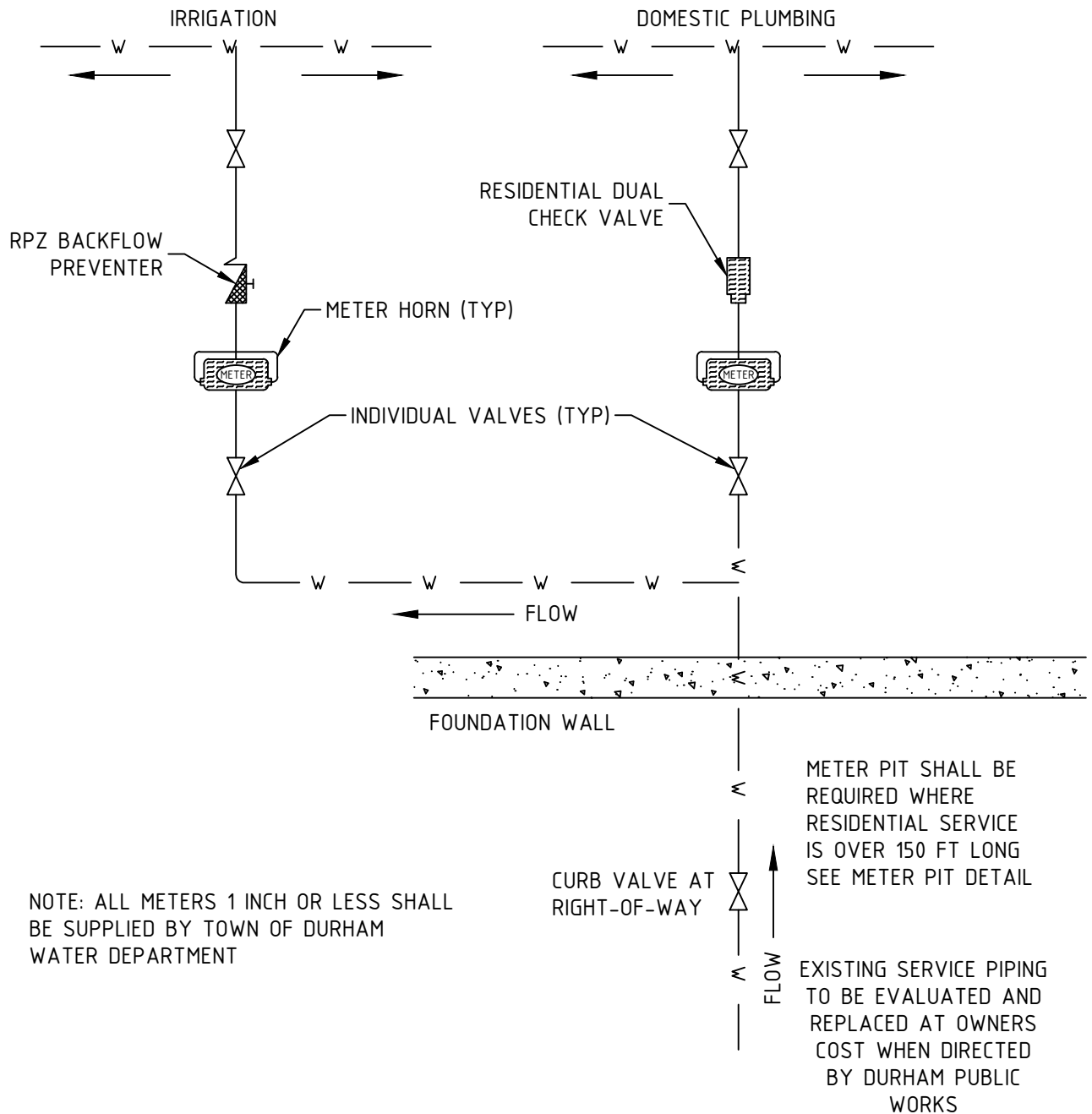
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RESIDENTIAL METER INSTALLATION WITH IRRIGATION

SECTION:

WATER

DWG #:

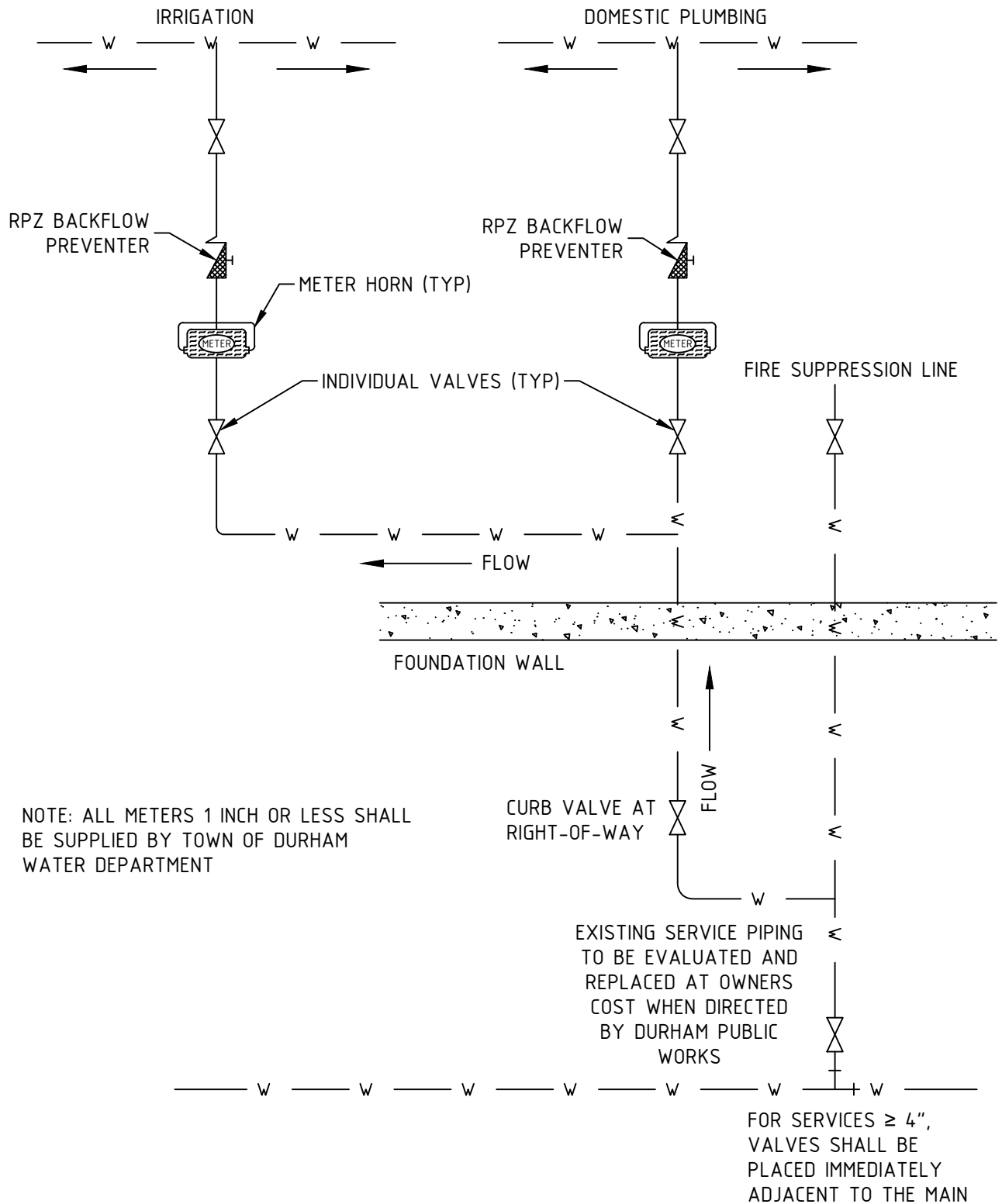
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METER INSTALLATION WITH
IRRIGATION AND FIRE SUPPRESSION

SECTION:

WATER

DWG #:

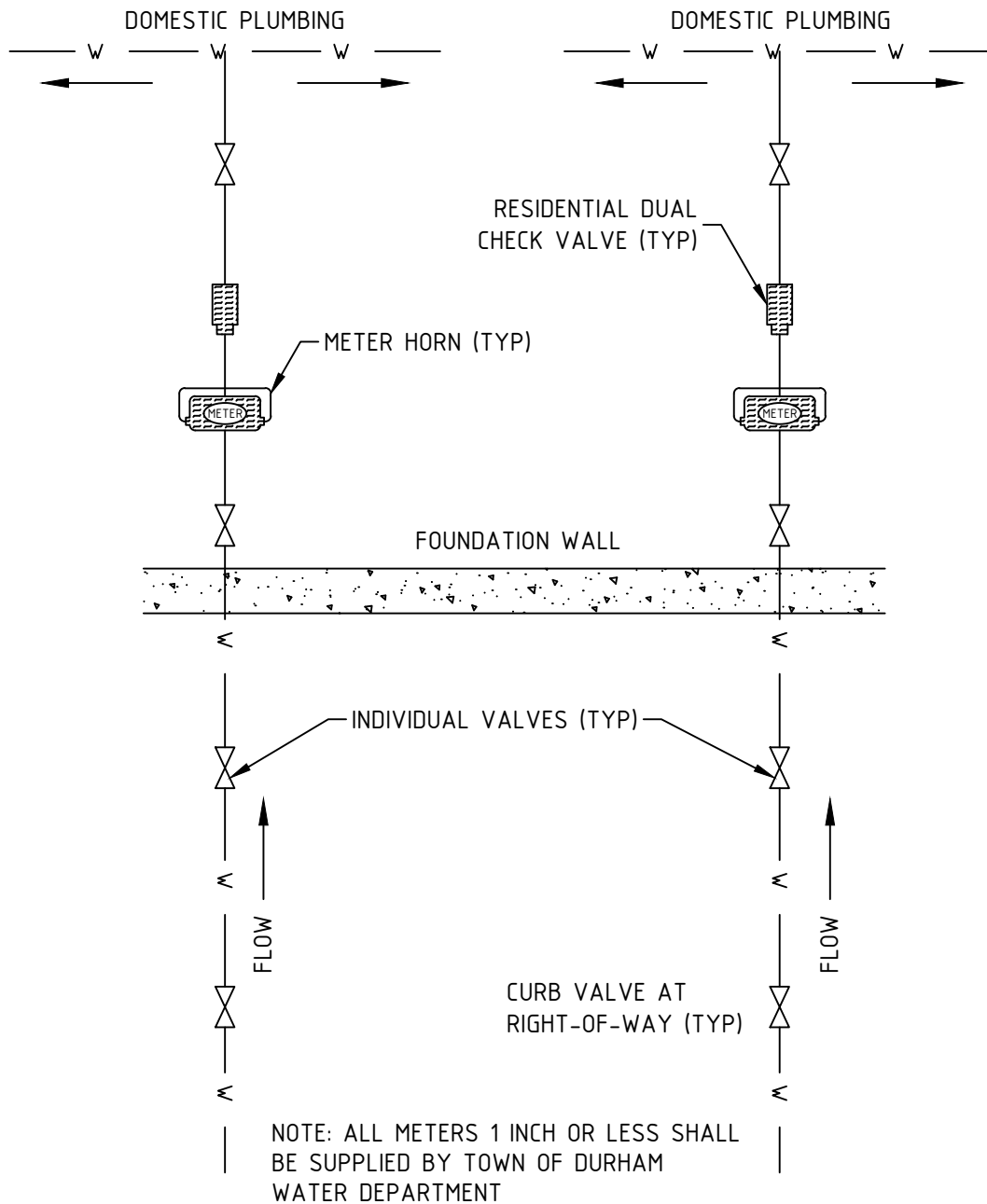
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NEW CONDOMINIUM DUAL RESIDENTIAL METER INSTALLATION

SECTION:

WATER

DWG #:

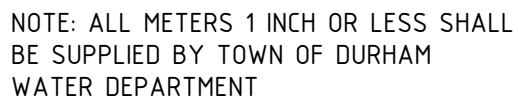
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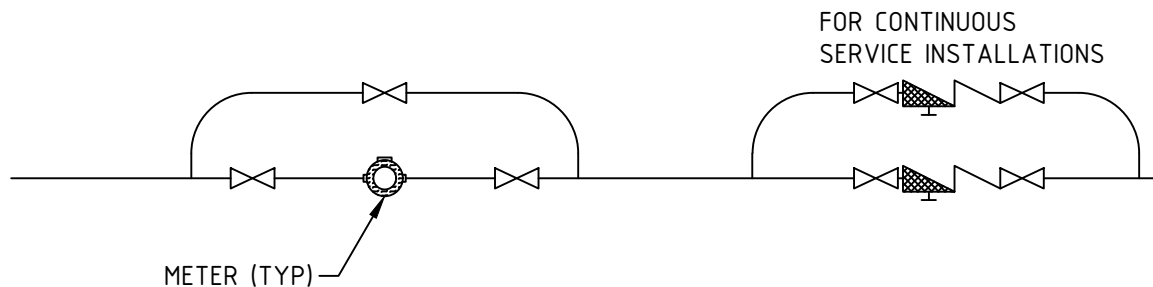
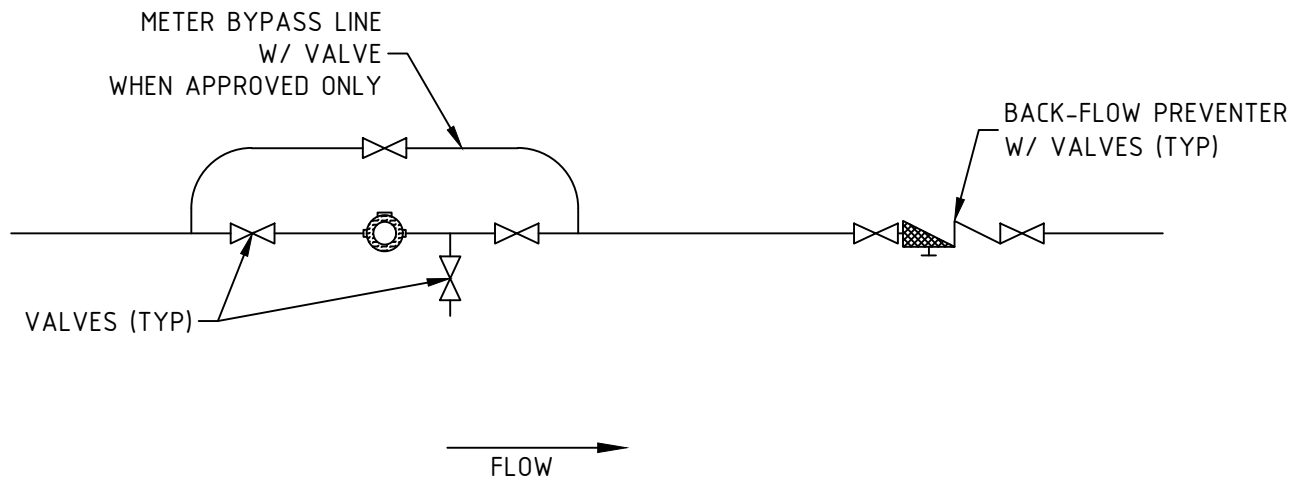
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ON ALL WATER SERVICES WITH A METER SIZE OF $\frac{1}{2}$ " OR LARGER, A BYPASS LINE WITH A 2" TEST OUTLET WHEN APPROVED ONLY.

NO OBSTRUCTIONS ARE ALLOWED:

BEFORE THE METER	5 x D
BEFORE A METER WITH STRAINER	3 x D
AFTER THE METER	2 x D
WHERE D = PIPE DIAMETER	

LAYING LENGTH OF METERS:

$\frac{5}{8}$ " x $\frac{3}{4}$ "	= 7 $\frac{1}{2}$ "
1" x ____	= 10 $\frac{3}{4}$ "
$\frac{1}{2}$ " x ____	= 13"
2" x ____	= 17"
3" TURBO x ____	= 16"
TURBO x ____	= 14"

NOTE: ALL METERS 1 INCH OR LESS SHALL BE SUPPLIED BY TOWN OF DURHAM WATER DEPARTMENT

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WATER METER INSTALLATION

SECTION:

WATER

DWG #:

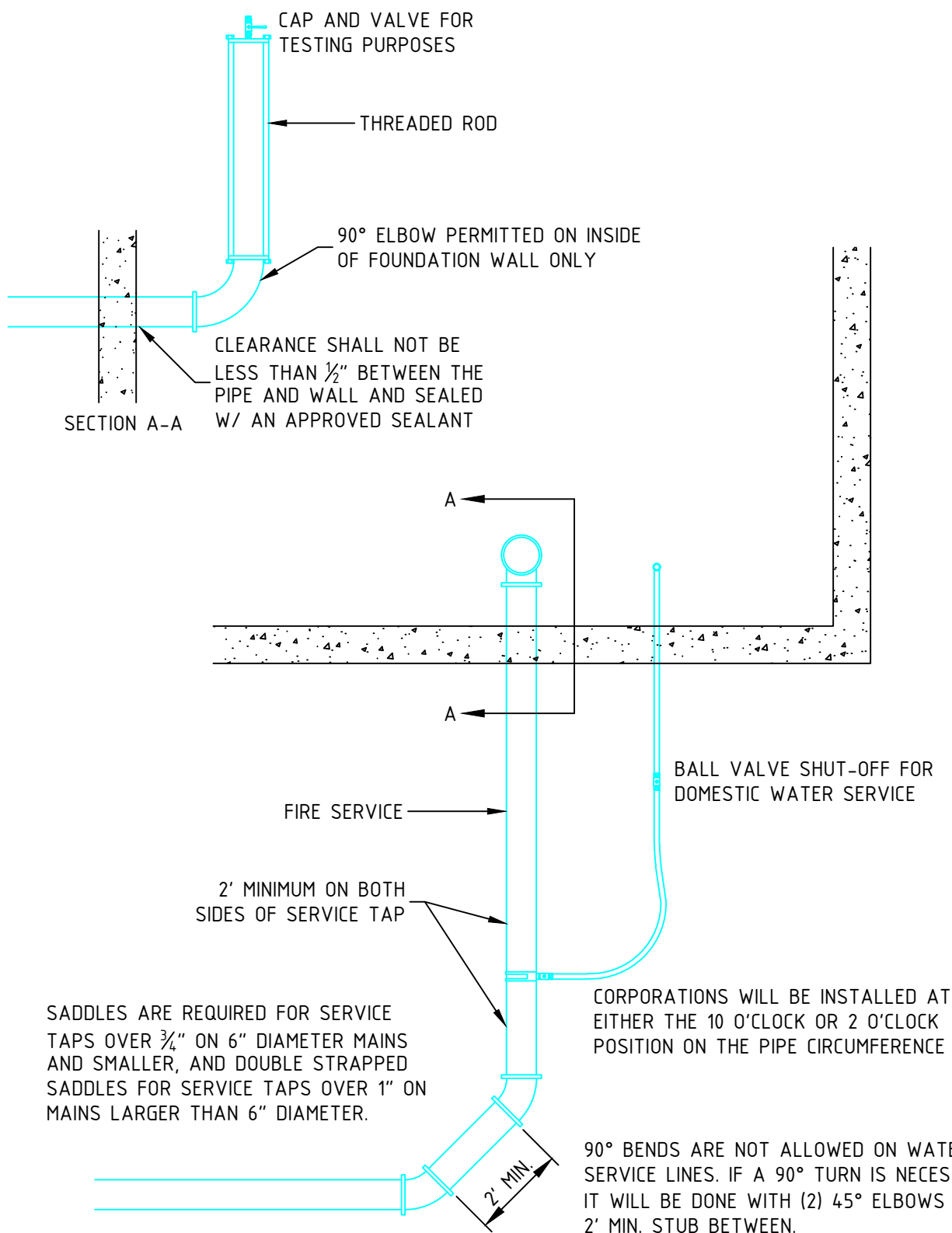
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WATER SERVICE THROUGH FOUNDATION

SECTION:

WATER

DWG #:

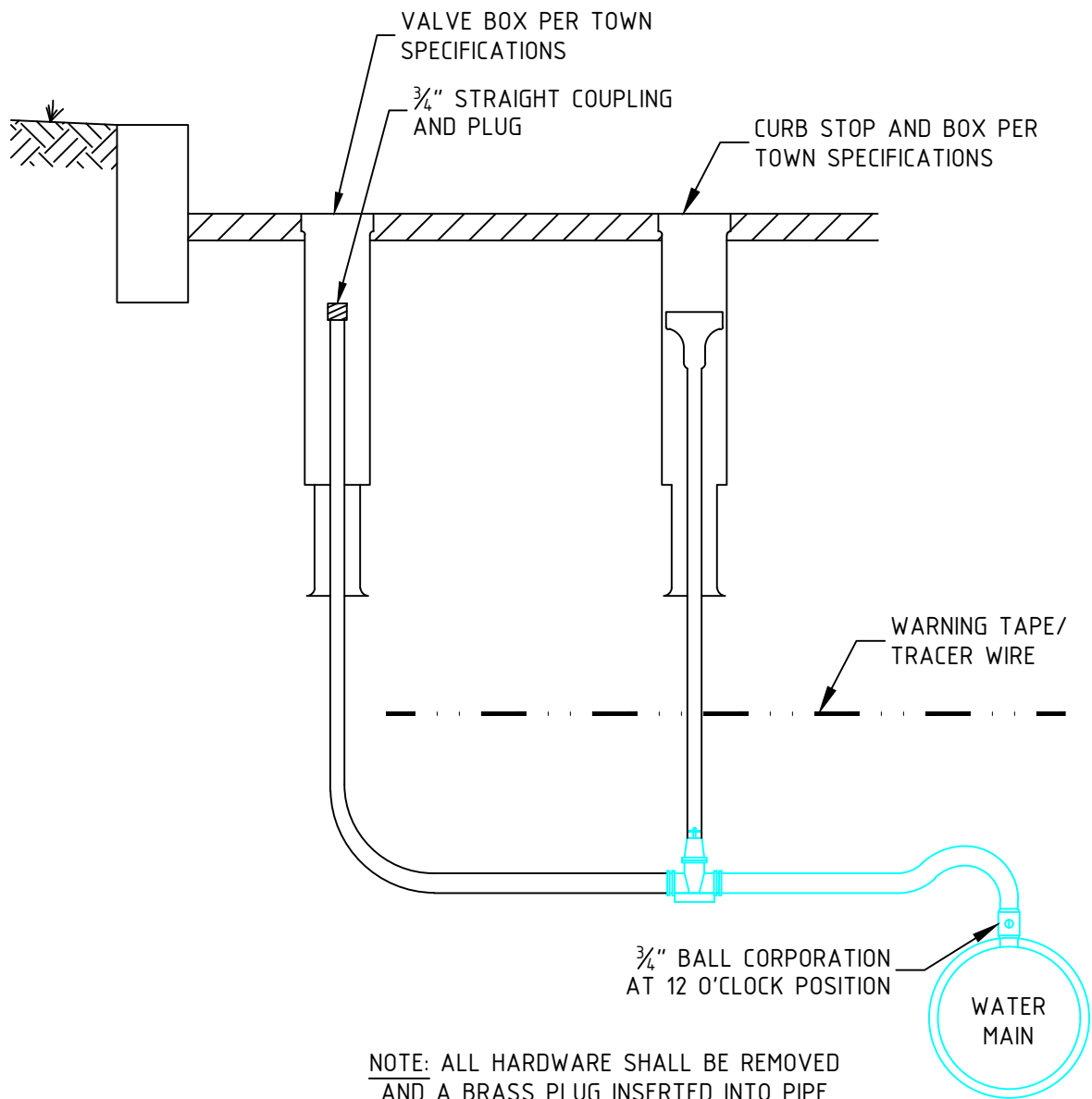
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NOTE: ALL HARDWARE SHALL BE REMOVED
AND A BRASS PLUG INSERTED INTO PIPE
*WHEN REQUIRED BY DURHAM PUBLIC
WORKS

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AIR RELEASE VALVE (FOR TESTING PURPOSES ONLY)

SECTION:

WATER

DWG #:

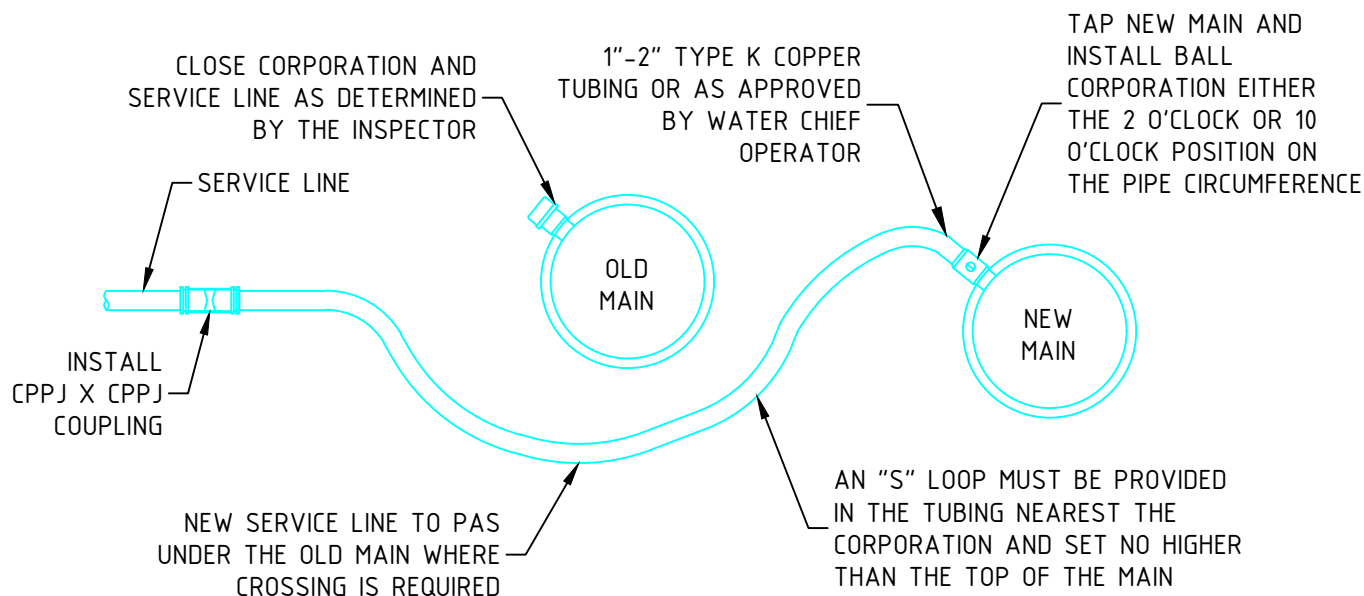
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NOTE: DO NOT TIE OVER THE UNUSED OR ABANDONED SERVICES

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WATER SERVICE TIE OVER

SECTION:

WATER

DWG #:

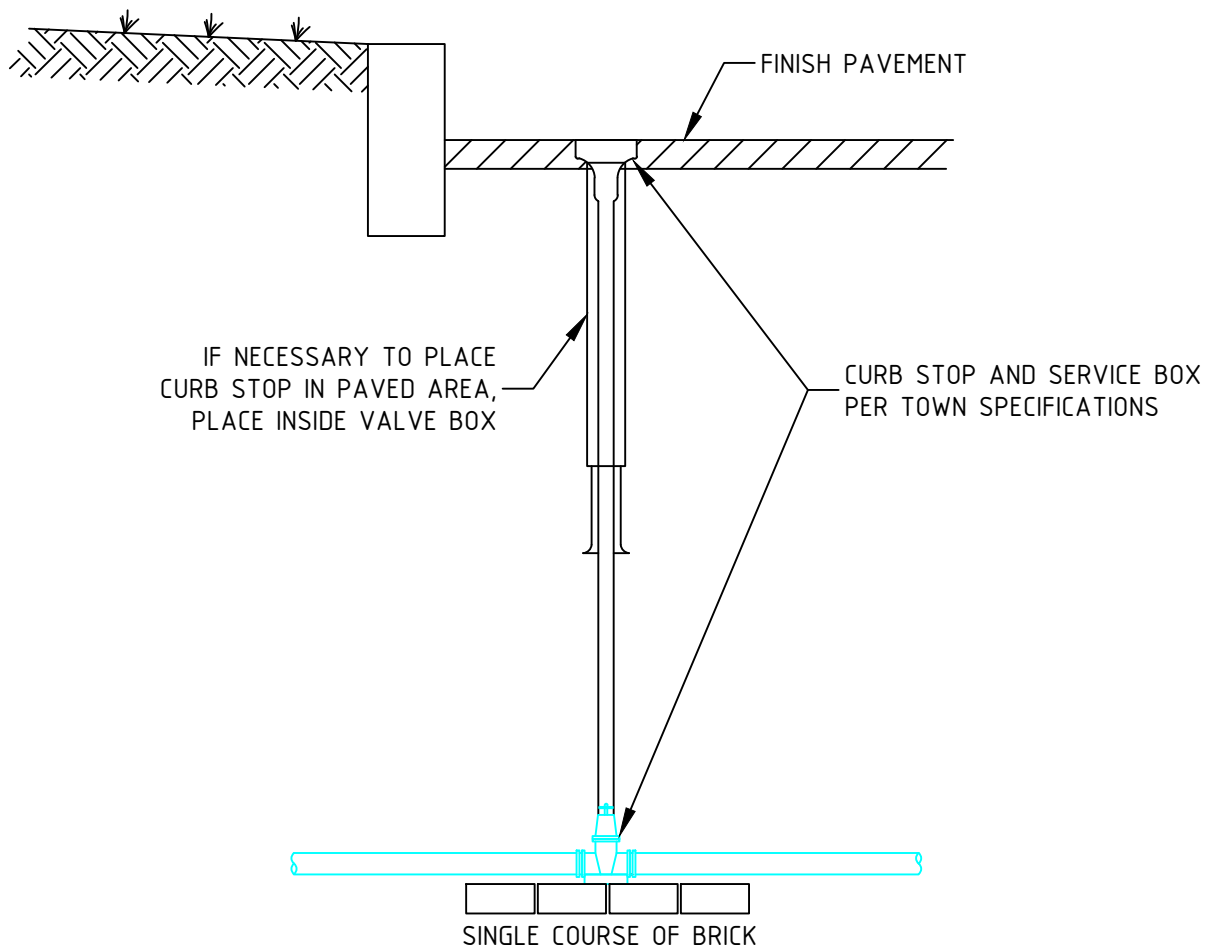
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CURB STOP IN PAVEMENT

SECTION:

WATER

DWG #:

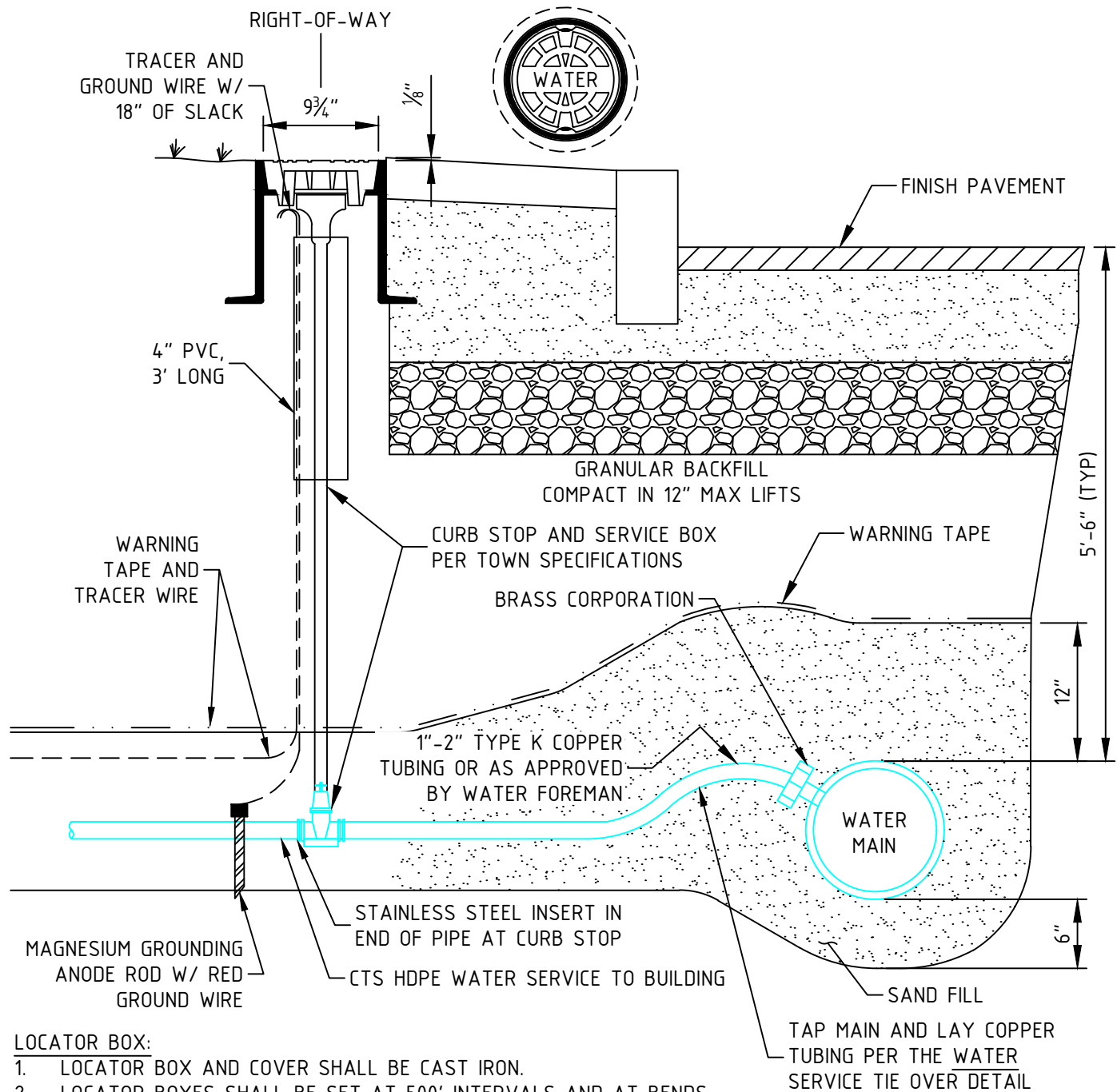
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LOCATOR BOX:

1. LOCATOR BOX AND COVER SHALL BE CAST IRON.
2. LOCATOR BOXES SHALL BE SET AT 500' INTERVALS AND AT BENDS.
3. PROVIDE 18" WIRE LOOP INSIDE THE LOCATOR BOX.
4. LOCATOR BOXES SHALL BE SET AT GRADE IN CROSS COUNTRY LOCATIONS AND 1/8" BELOW PAVEMENT, TAPERED OVER 2'.

TRACER WIRE:

1. CONTINUOUS, DIRECT BURIAL RATED.
2. 12 AWG HIGH STRENGTH SOLID CORE COPPER CLAD STEEL.
3. COATING COLOR SHALL CONFORM TO THE APWA UNIFORM COLOR CODE.

REPAIRS:

1. SPLICES SHALL BE MADE WITH CORROSION PROOF, LOCKABLE WIRE CONNECTORS.

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WATER SERVICE INSTALLATION WITH TRACER WIRE

SECTION:

UTILITIES

DWG #:

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