

STANDARD DETAILS
FOR
PUBLIC UTILITIES DEPARTMENT
WATER MAIN & WASTEWATER
CONSTRUCTION DETAILS



PUBLIC UTILITIES DEPARTMENT
UNIFIED GOVERNMENT
OF
ATHENS-CLARKE COUNTY
GEORGIA

<https://www.accgov.com/>

August 2025

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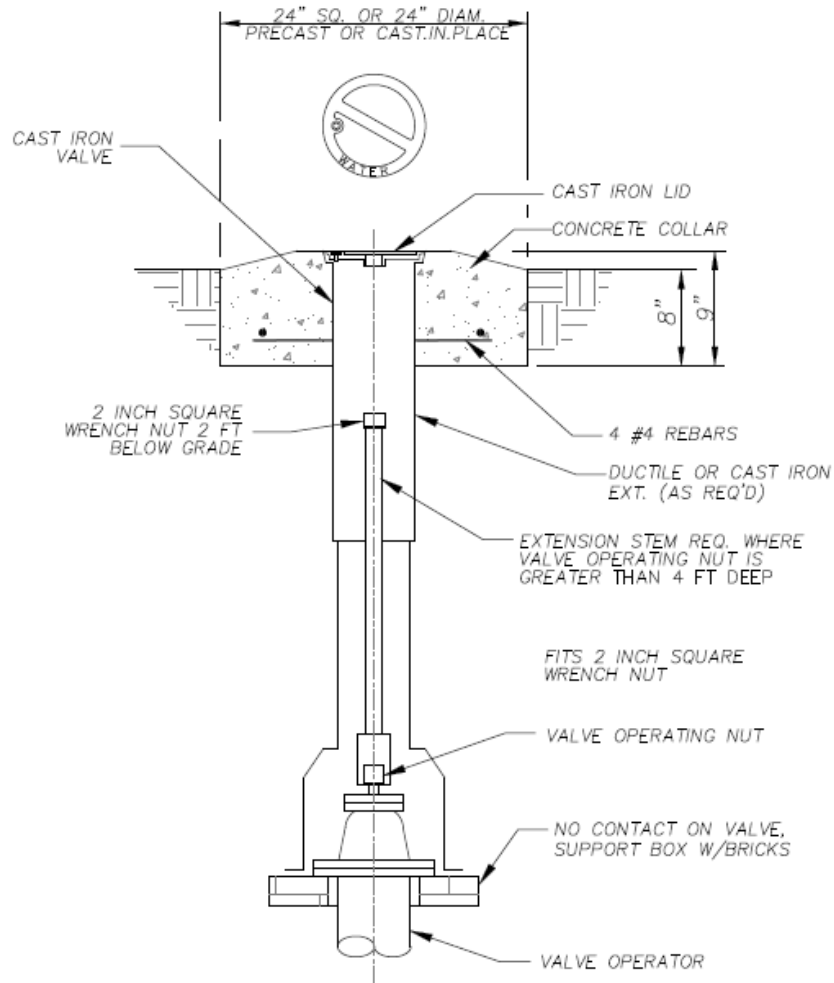
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W-1 Underground Valve Box

DET-W-01-- UNDERGROUND VALVE BOX.dwg



Underground Valve Box
NTS

W-1

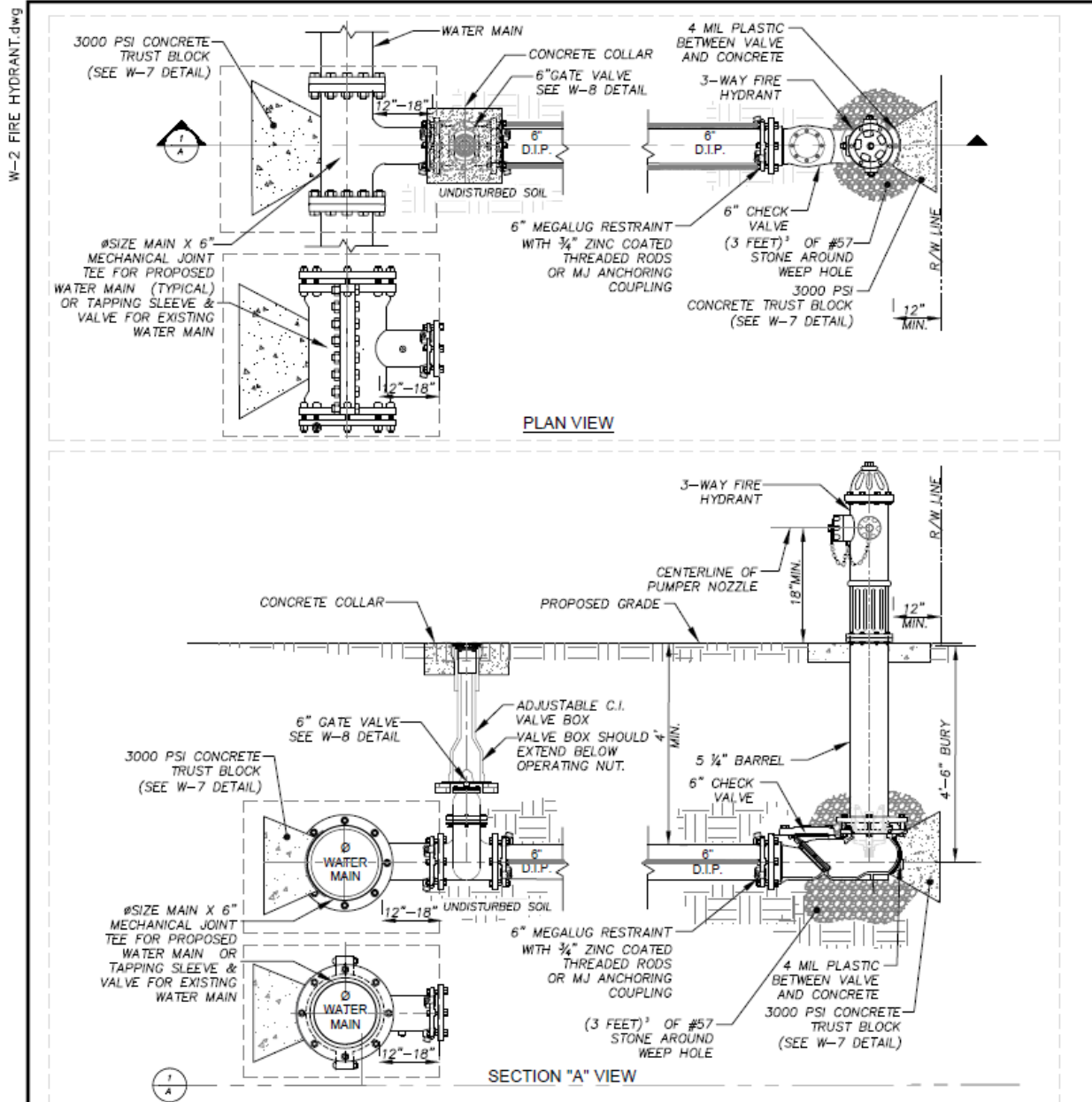
Standard Specification and Detail for:

Underground Valve Box

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



W-2 Fire Hydrant Assembled Detail



NTS

W-2

Standard Specification and Detail for:

Fire Hydrant Assembled, 6" Check valve, 6" DIP branch and 6" Gate Valve

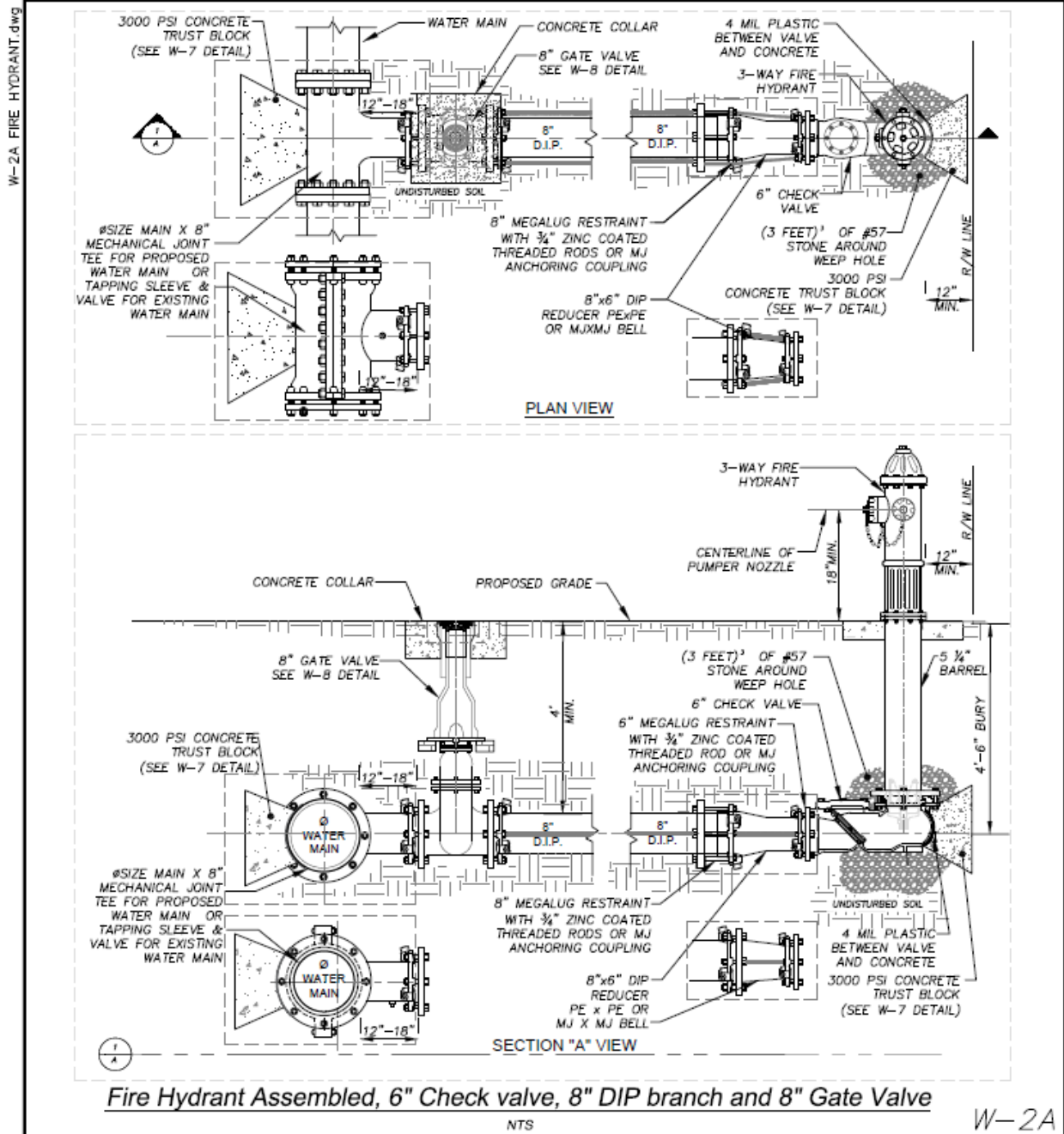
GMD: NA	County: Athens-Clarke	State: Georgia	Date: November, 2022
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: MRA			
Scale: AS-SHOWN			

Fax: 706-613-3198

Voice: 706-613-3490



W-2A Fire Hydrant Assembled Connected to 8" Water Main Detail



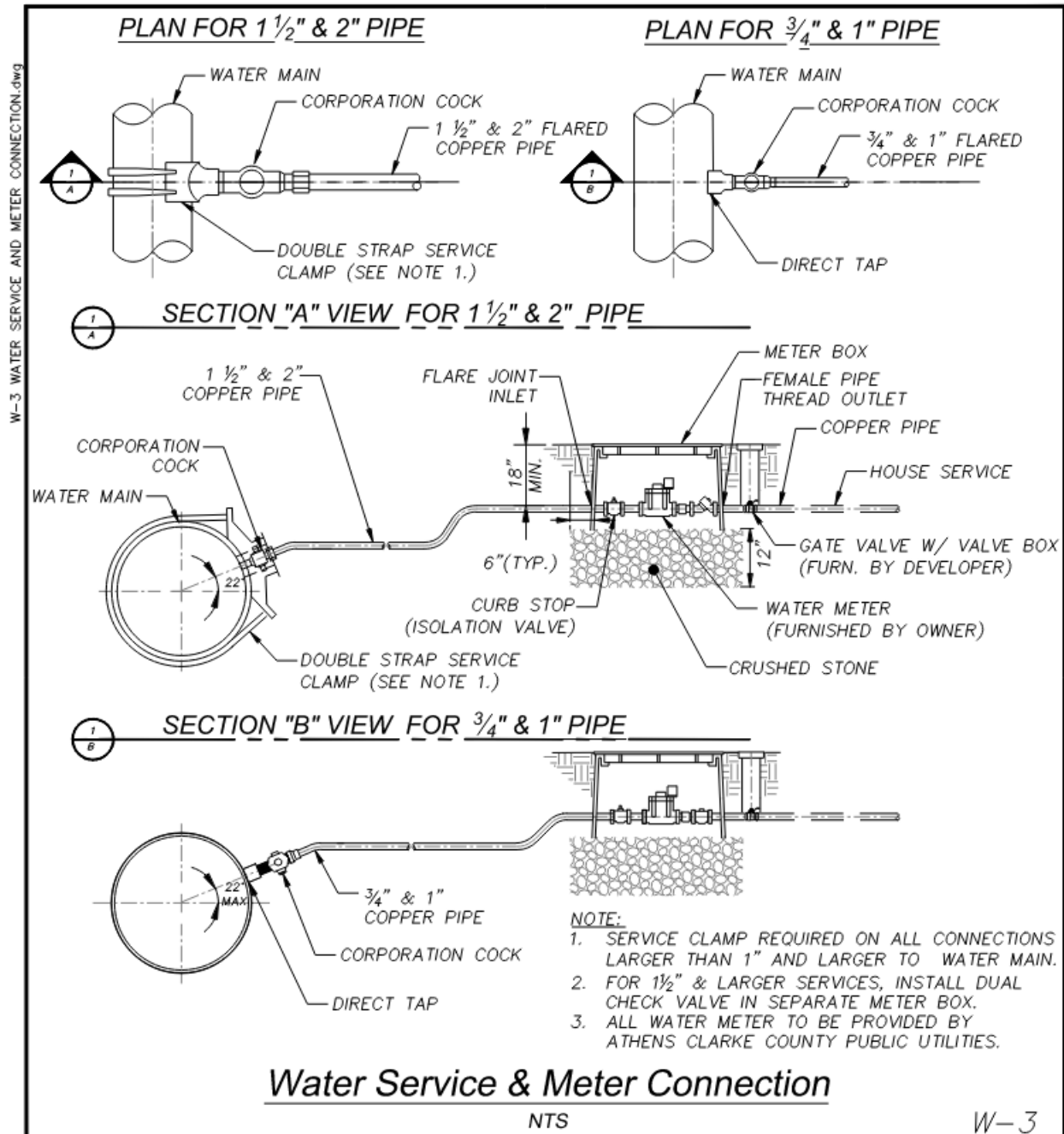
Standard Specification and Detail for:

Fire Hydrant Assembled, 6" Check valve, 8" DIP branch and 8" Gate Valve

GMD: NA	County: Athens-Clarke	State: Georgia	Date: November, 2022
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: MRA			
Scale: AS-SHOWN			
Fax: 706-613-3198		Voice: 706-613-3490	



W-3 Water Service & Meter Connection



Water Service & Meter Connection

NTS

W-3

Standard Specification and Detail for:

Water Service & Meter Connection

GMD: NA County: Athens-Clarke State: Georgia Date: June, 2025

Drawn by: KFM

The Unified Government of Athens-Clarke County

Approved by: MRA

Department of Public Utilities

Scale: AS-SHOWN

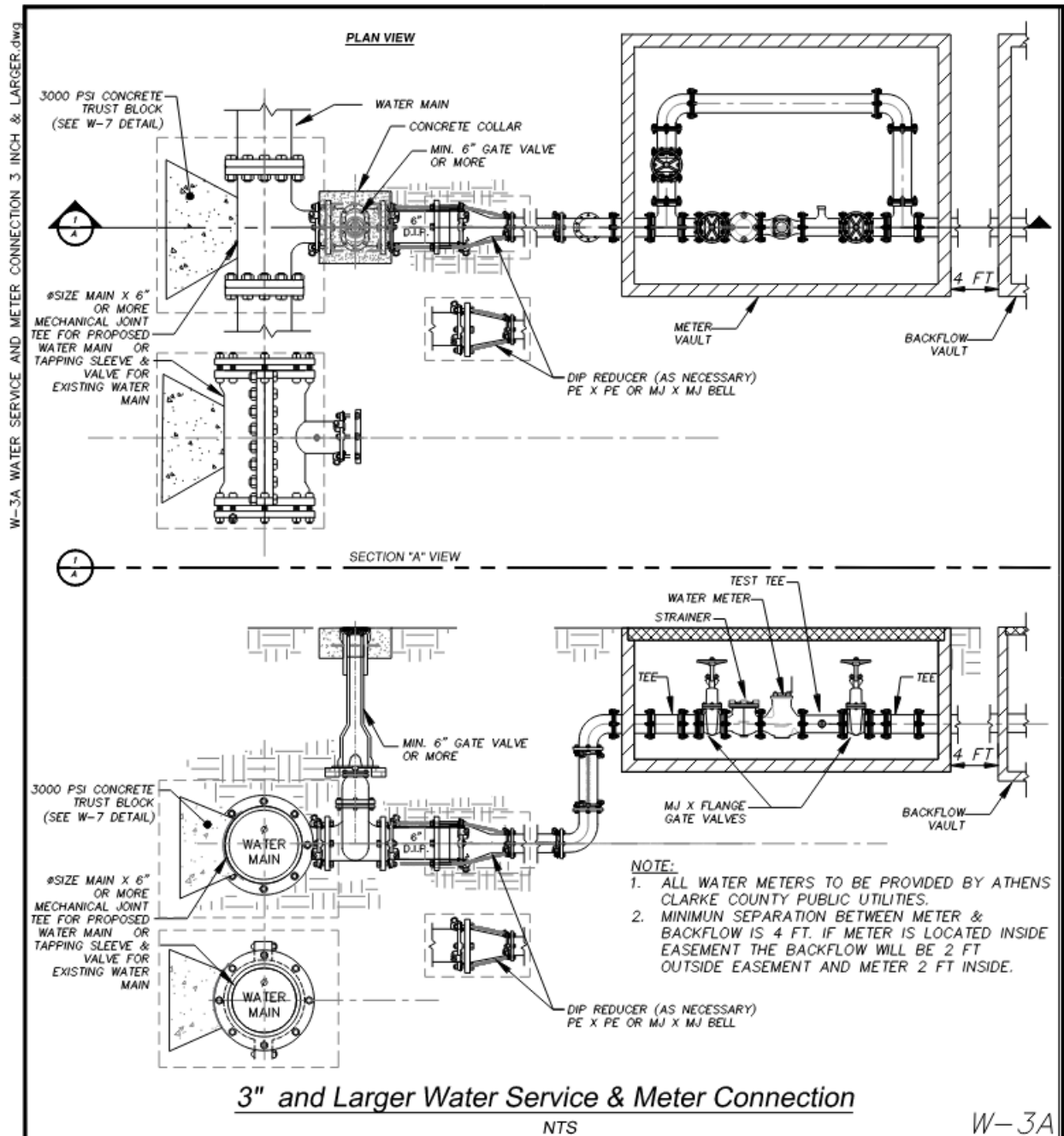
Fax: 706-613-3198

124 E Hancock Ave
Athens, Georgia 30601

Voice: 706-613-3490



W-3A 3" and Large Water Service & Meter Connection



Standard Specification and Detail for:

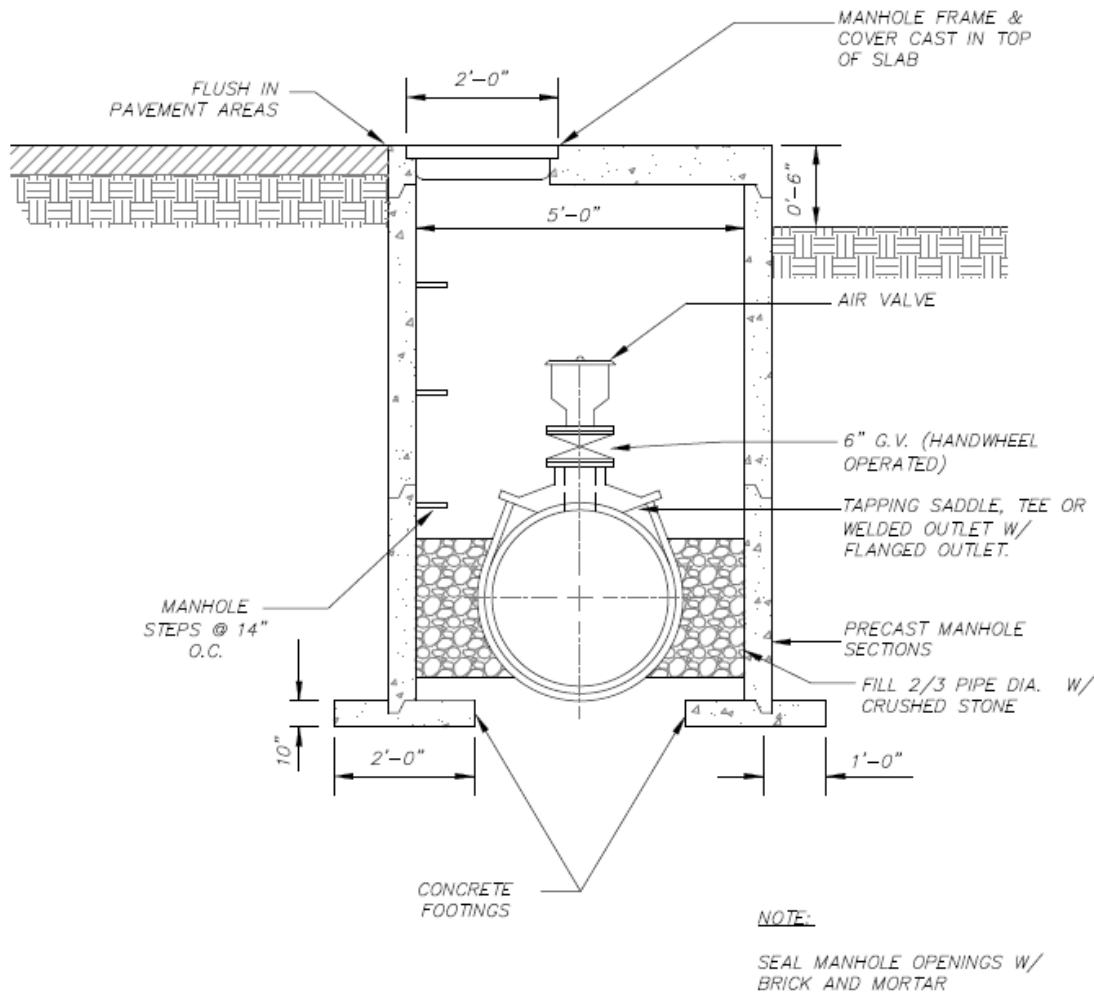
3" and Larger Water Service & Meter Connection

GMD: NA	County: Athens-Clarke	State: Georgia	Date: June, 2025
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: JH			
Scale: AS-SHOWN			



W-4 Air Valve - Automatic

DET-W-04 - AIR VALVE-AUTOMATIC.dwg



Air Valve - Automatic

NTS

W-4

Standard Specification and Detail for:

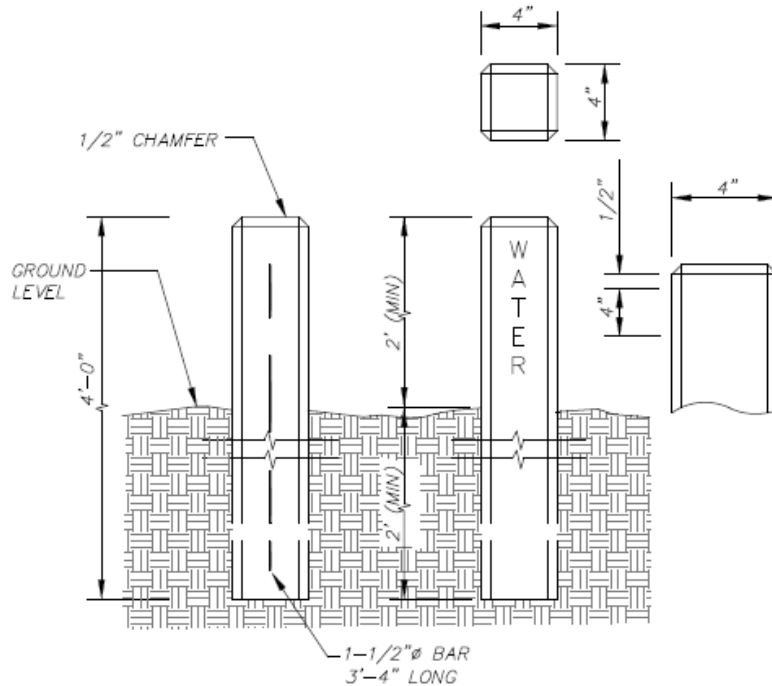
Air Valve - Automatic

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



W-5 Water Valve Marker

DET-W-05 - WATER VALVE MARKER.dwg



NOTE:
VALVE MAKER POST TO BE 3 FEET BEHIND VALVE.

Water Valve Marker

NTS

W-5

Standard Specification and Detail for:

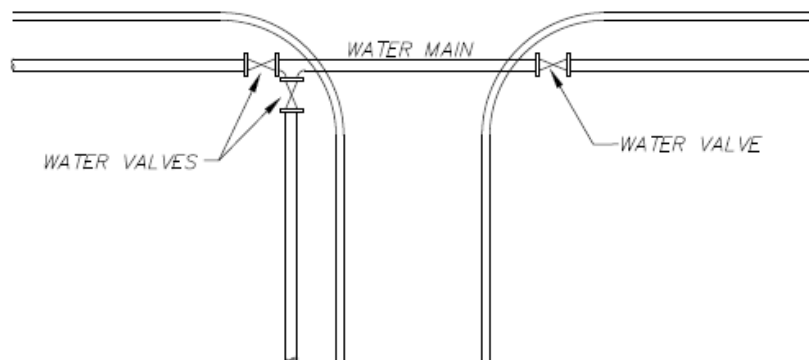
Water Valve Marker

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



W-6 Typical Valve Location

DET-W-6 - TYPICAL VALVE LOCATION.dwg



NOTE:

AT STREET INTERSECTIONS PLACE VALVES AS SHOWN.

Typical Valve Location

NTS

W-6

Standard Specification and Detail for:

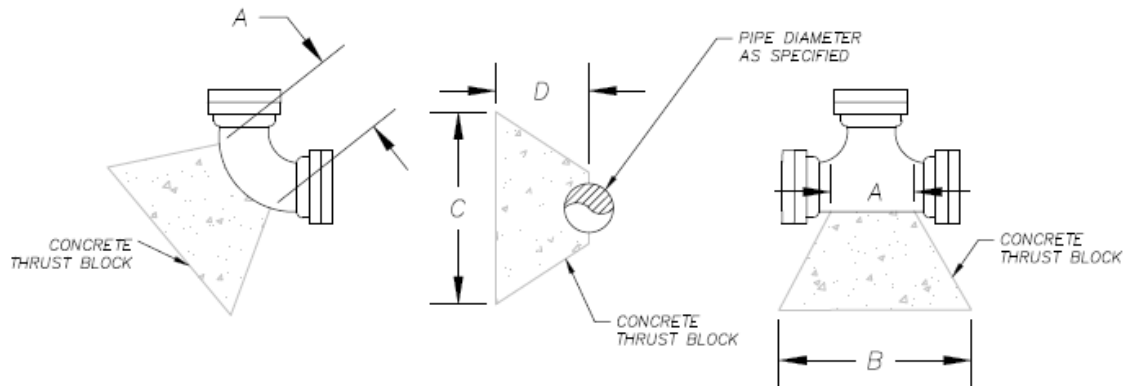
Typical Valve Location

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



W-7 Thrust Block Detail

DET-W-7 - THRUST BLOCK.dwg



90 DEGREE BEND					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	3.0	7.0	7.0	4.5	
20	2.5	6.0	6.0	4.0	
18	2.0	5.5	5.0	3.5	
16	2.0	5.0	5.0	3.5	
14	2.0	4.0	4.0	2.5	
12	1.5	3.5	3.5	2.5	
10	2.0	3.0	3.0	2.0	
8	1.0	2.5	2.5	2.0	
6	1.0	2.0	2.0	1.5	
4	1.0	1.5	1.5	1.5	

45 DEGREE BEND					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	2.5	5.5	5.5	4.0	
20	2.0	4.5	4.0	3.0	
18	2.0	4.0	4.0	3.0	
16	2.0	3.5	3.5	2.5	
14	1.5	3.0	3.0	2.0	
12	1.5	3.0	2.5	2.0	
10	1.5	2.5	2.0	2.0	
8	1.0	2.0	2.0	1.5	
6	1.0	1.5	1.5	1.0	
4	1.0	1.0	1.0	1.0	

22.5 DEGREE BEND					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	2.0	3.5	3.5	2.5	
20	2.0	3.0	3.0	2.0	
18	1.5	3.0	3.0	1.5	
16	1.5	2.5	2.5	1.5	
14	1.5	2.5	2.5	1.0	
12	1.5	2.0	2.0	1.0	
10	1.0	2.0	2.0	1.0	
8	1.0	1.5	1.5	1.0	
6	1.0	1.5	1.5	1.0	
4	1.0	1.0	1.0	1.0	

11.25 DEGREE BEND					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	2.0	3.0	3.0	1.0	
20	1.5	2.5	2.5	1.0	
18	1.5	2.0	2.0	1.0	
16	1.5	2.0	2.0	1.0	
14	1.5	1.5	1.5	1.0	
12	1.5	1.5	1.5	1.0	
10	1.0	1.5	1.5	1.0	
8	1.0	1.0	1.0	1.0	
6	1.0	1.0	1.0	1.0	
4	1.0	1.0	1.0	1.0	

UNBALANCED TEE & PLUG					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	3.0	6.0	6.0	3.0	
20	2.5	5.0	5.0	2.5	
18	2.5	4.5	4.5	2.0	
16	2.5	4.0	4.0	2.0	
14	2.0	3.5	3.5	1.5	
12	2.0	3.0	3.0	1.5	
10	1.5	2.5	2.5	1.0	
8	1.5	2.0	2.0	1.0	
6	1.5	1.5	1.5	1.0	
4	1.0	1.0	1.0	1.0	

TEE					
PIPE DIA. (INCHES)	DIMENSIONS (FEET)				
	A	B	C	D	
24	2.5	6.0	6.0	3.5	
20	2.5	5.0	5.0	3.0	
18	1.5	4.5	4.5	3.0	
16	1.5	4.0	4.0	2.5	
14	1.5	3.5	3.5	2.5	
12	1.5	3.0	3.0	2.0	
10	1.5	2.5	2.5	1.5	
8	1.0	2.0	2.0	1.5	
6	1.0	1.5	1.5	1.5	
4	1.0	1.0	1.0	1.0	

NOTES:

1. DIMENSIONS OF THRUST BLOCKS ARE BASED ON PRESSURE OF 150 PSI AND SOIL PRESSURE OF 2000 PSF.
2. ADDITIONAL CONCRETE BLOCKING MAY BE REQUIRED FOR PRESSURES GREATER THAN 150 PSI OR IF ALLOWABLE SOIL PRESSURE IS LESS THAN 2000 PSF.
3. CONCRETE IS TO BE CLASS "B" (2500 PSI).
4. CONCRETE THRUST BLOCKS ARE REQUIRED AT ALL TEES, FIRE HYDRANTS, WYES, PLUGS, CAPS, AND BENDS OF 11.25 DEGREES OR MORE.

W-7

Standard Specification and Detail for:

Thrust Block Detail

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities124 E Hancock Ave
Athens, Georgia 30601

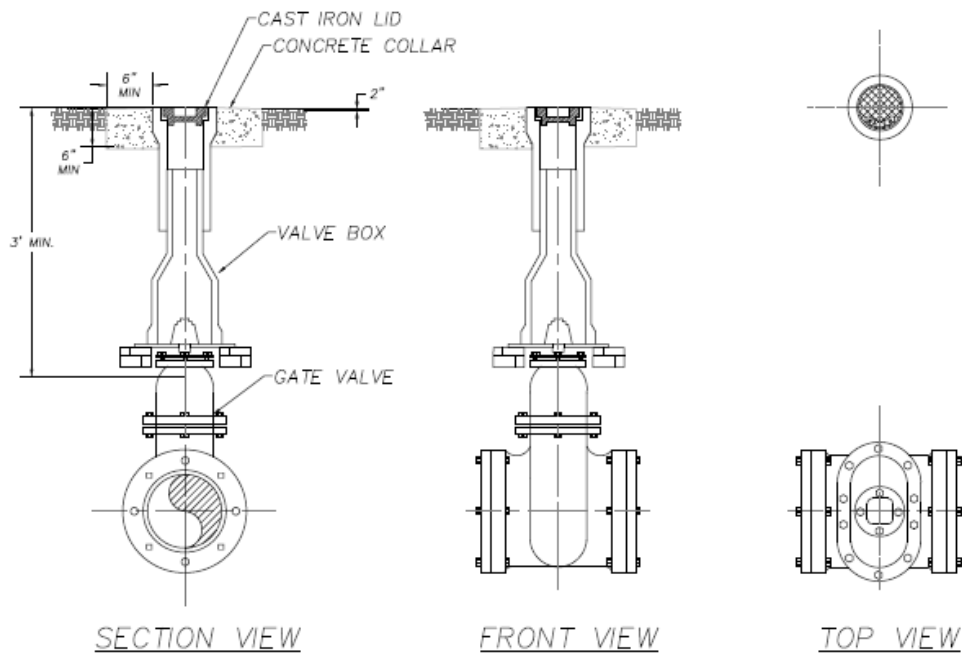
Fax: 706-613-3198

Voice: 706-613-3490



W-8 Gate Valve Detail

DET-W-08 - GATE VALVE.dwg



NOTES:

1. 18" TO 24" SCREW ADJUSTABLE
2. 6" SCHEDULE 40 PVC FOR EXTENSION

Gate Valve Detail

NTS

W-8

Standard Specification and Detail for:

Gate Valve

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

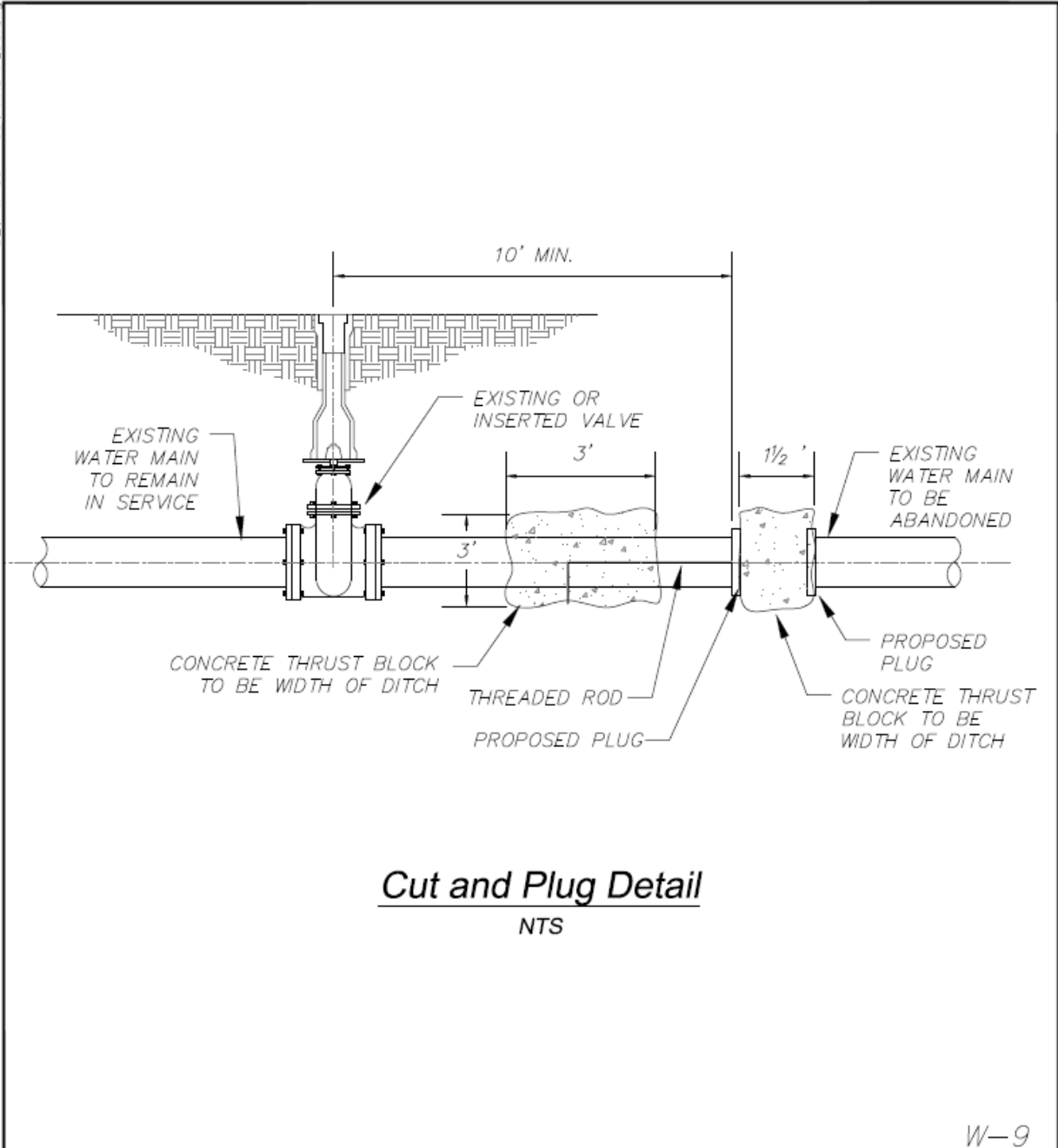
124 E Hancock Ave
Athens, Georgia 30601

Voice: 706-613-3490



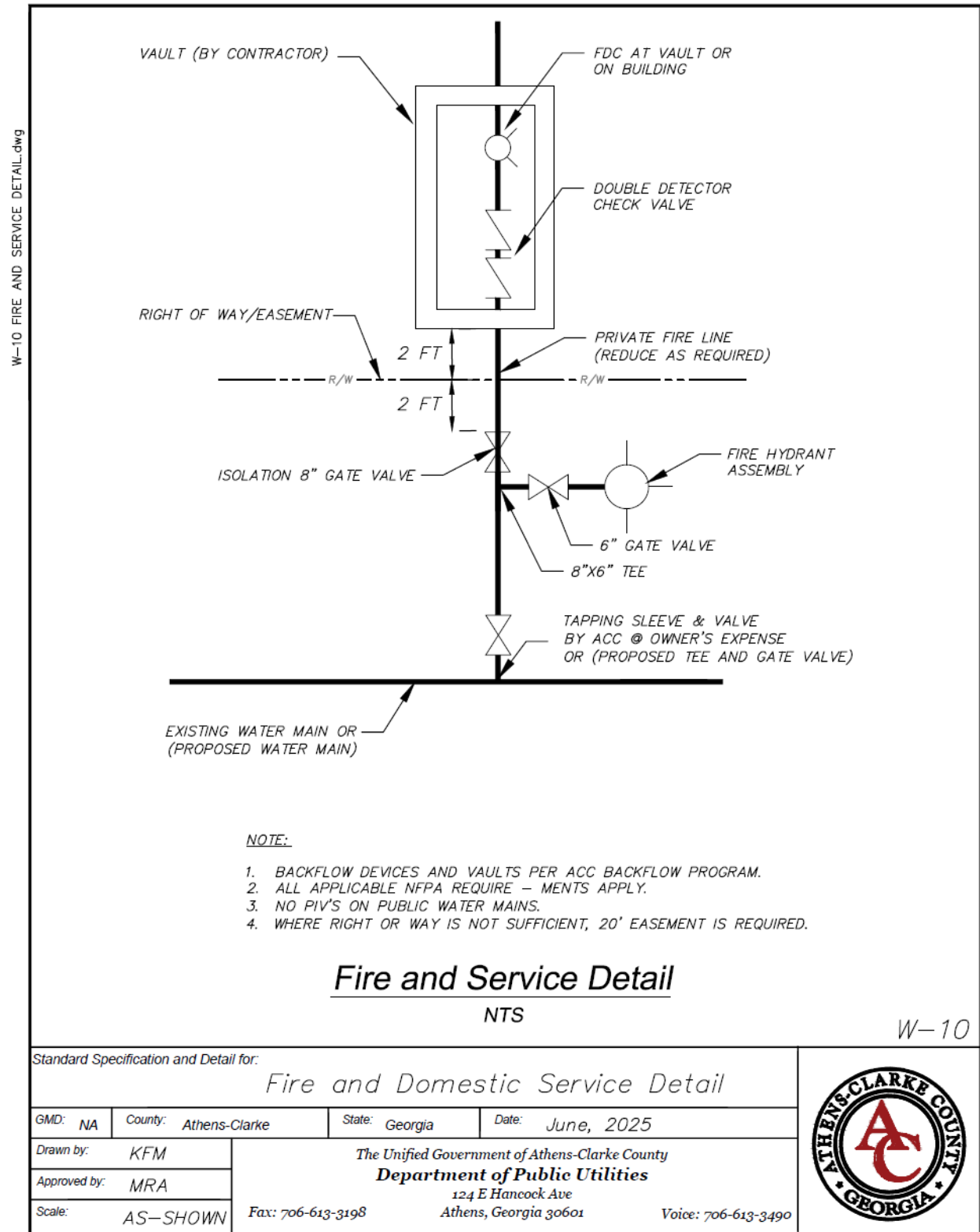
W-9 Cut and Plug Detail

DET-W-09 - CUT AND PLUG.dwg

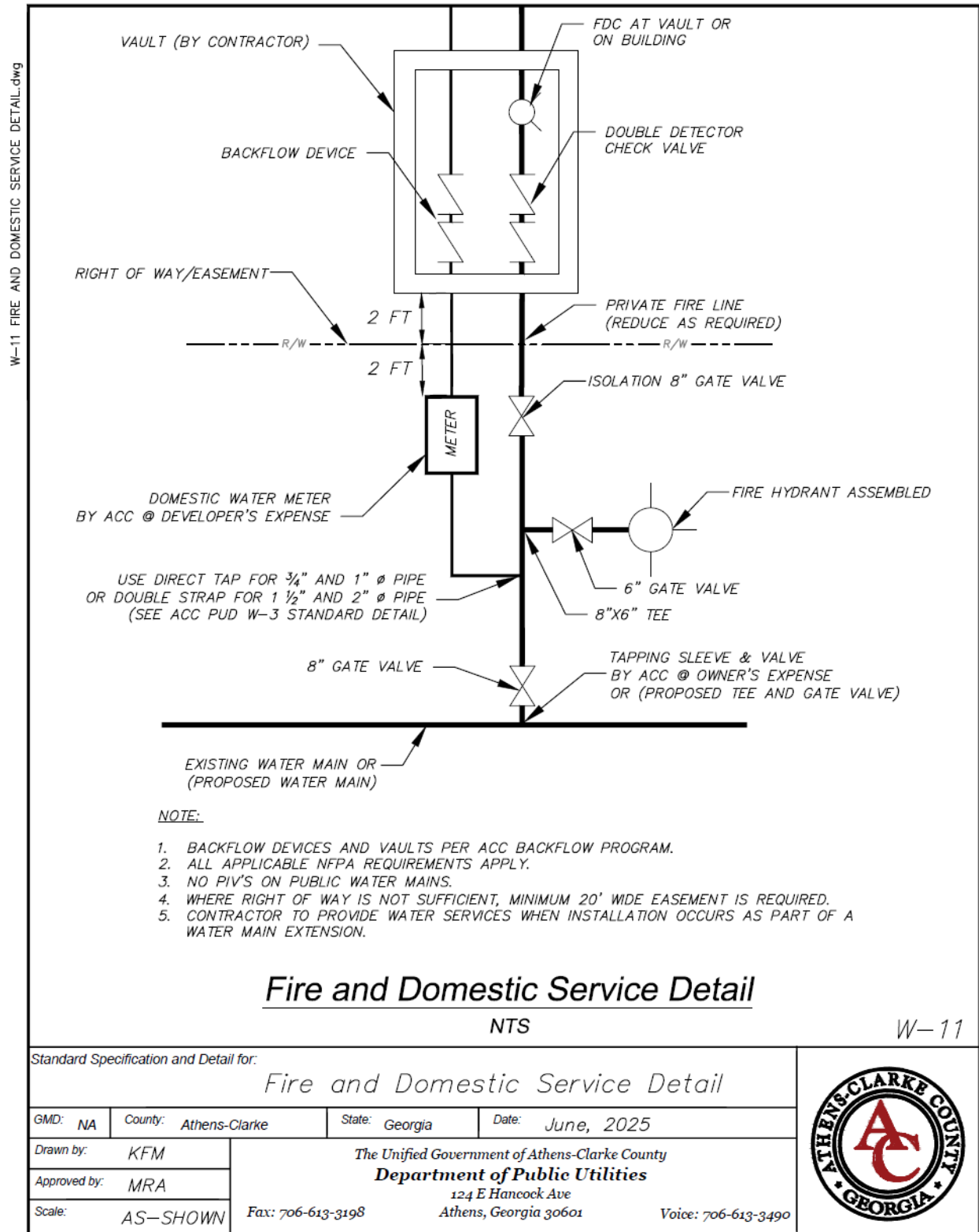


Standard Specification and Detail for:			
<i>Cut and Plug Detail</i>			
GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			
			

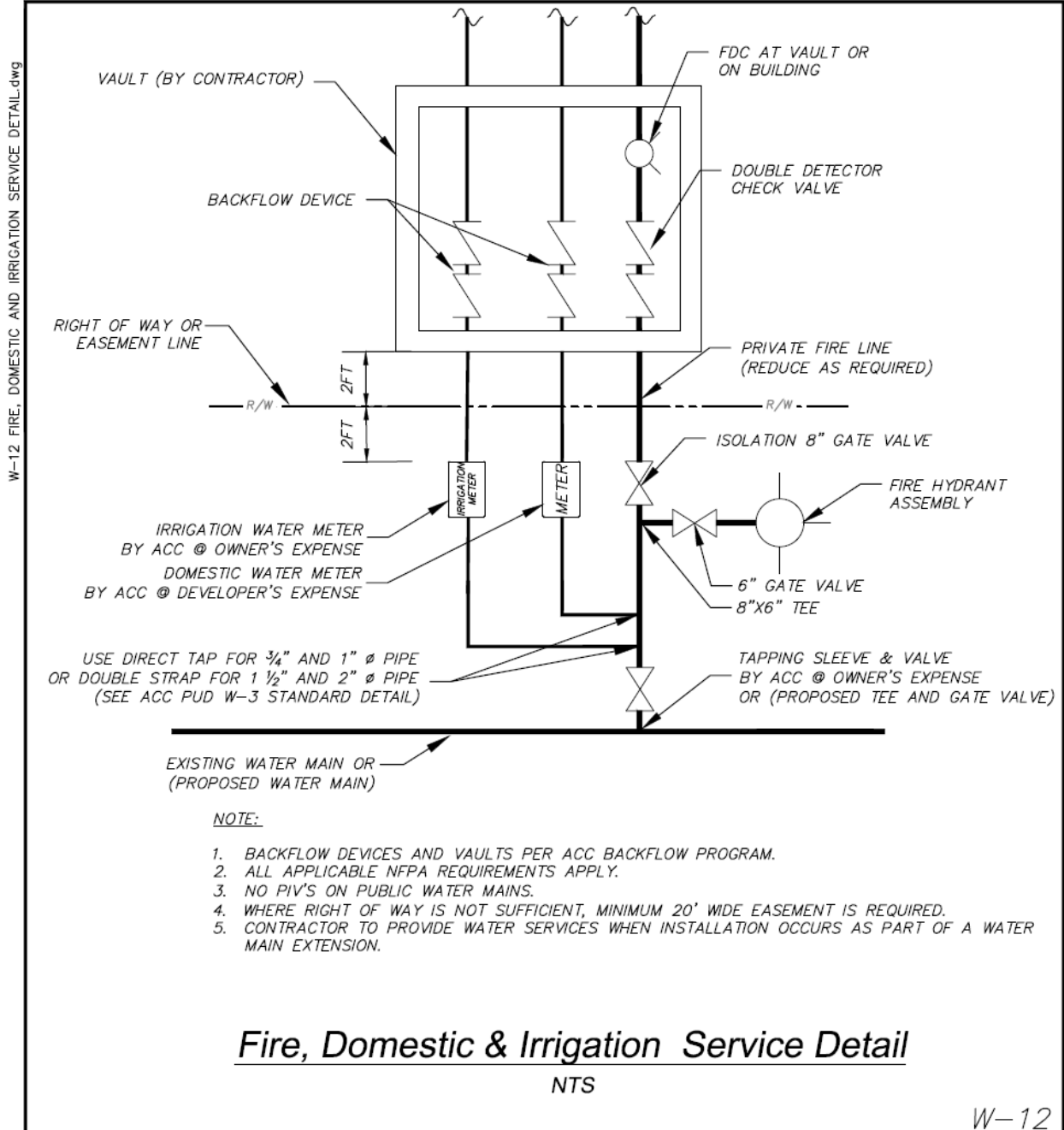
W-10 Fire and Service Detail



W-11 Fire and Domestic Service Detail



W-12 Fire, Domestic & Irrigation Service Detail



Standard Specification and Detail for:

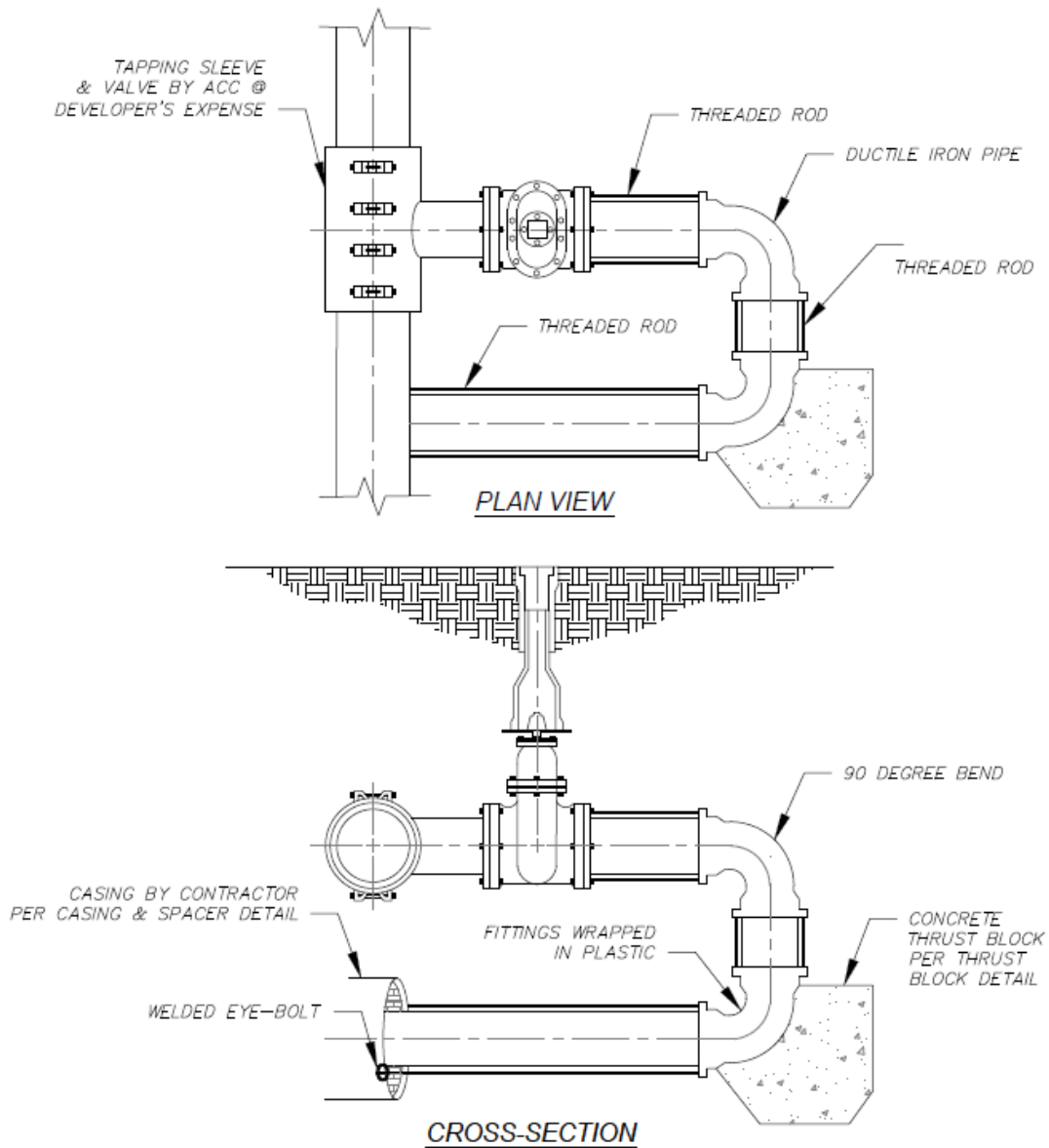
Fire, Domestic and Irrigation Service Detail

GMD: NA	County: Athens-Clarke	State: Georgia	Date: June, 2025
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: MRA			
Scale: AS-SHOWN			



W-13 Back Tap Installation Detail

DET-W-13 - BACK TAP INSTALLATION DETAIL.dwg



Back Tap Installation Detail

NTS

W-13

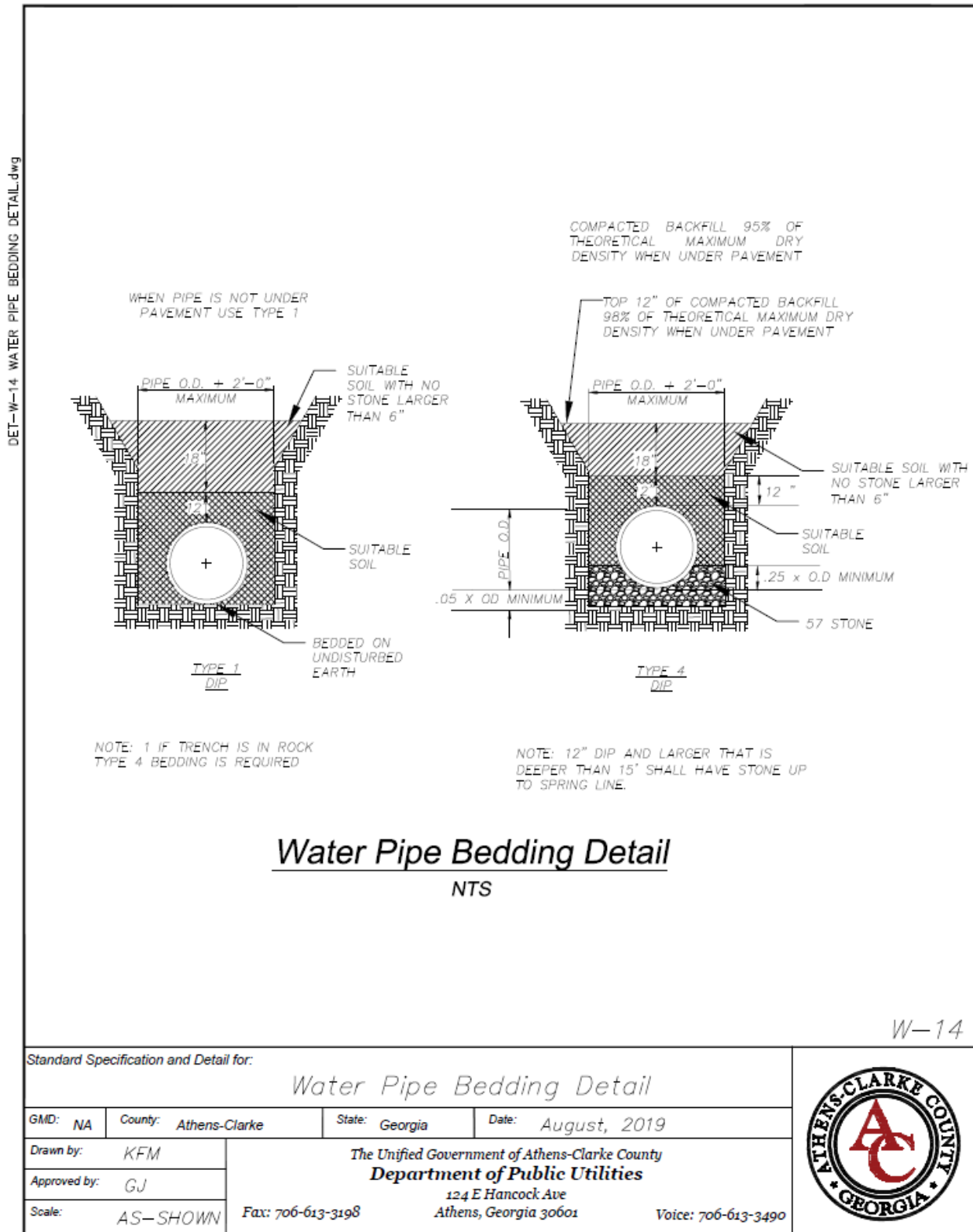
Standard Specification and Detail for:

Back Tap Installation Detail

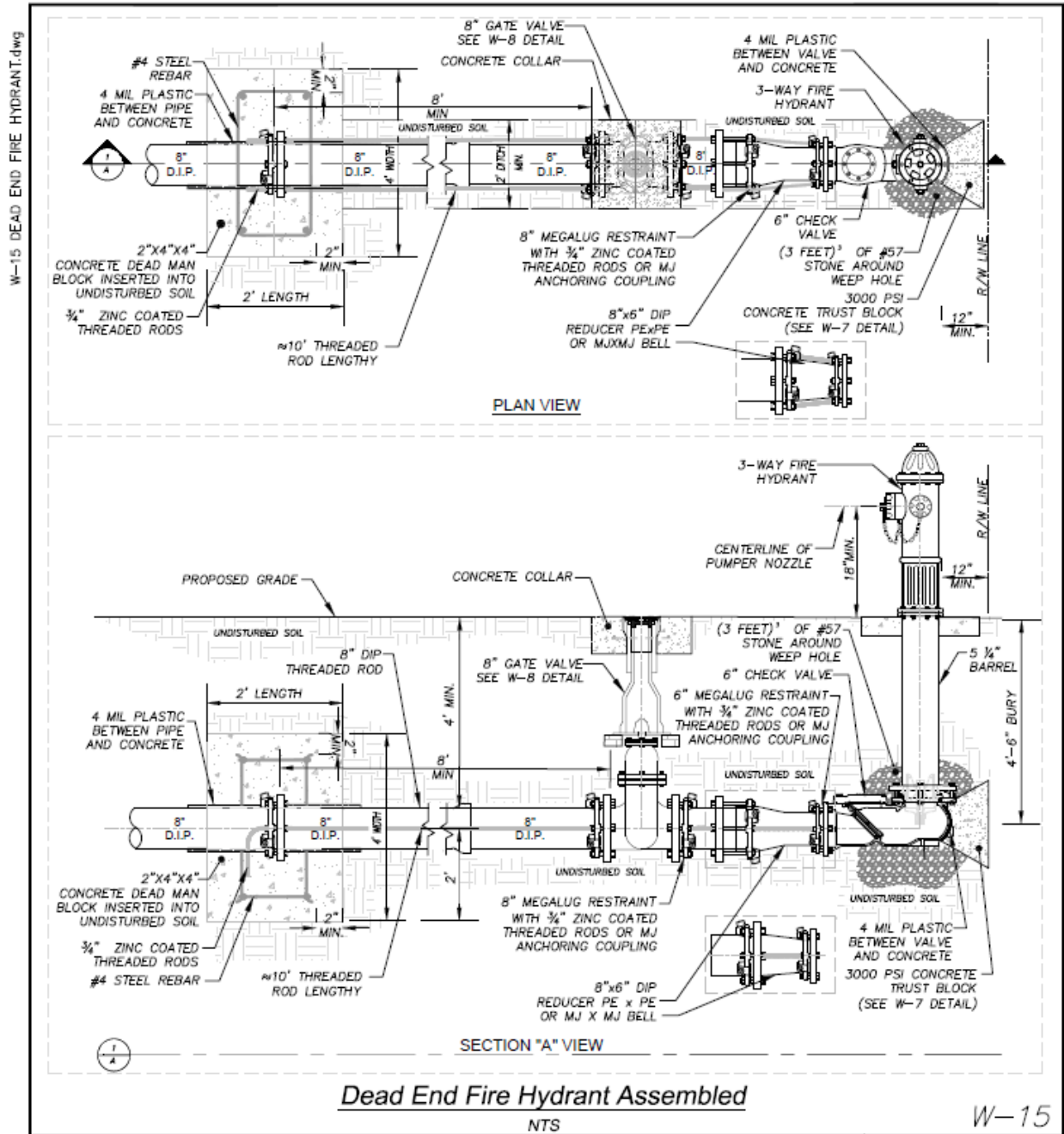
GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



W-14 Water Pipe Bedding Detail



W-15 Dead End Fire Hydrant Assembled Detail



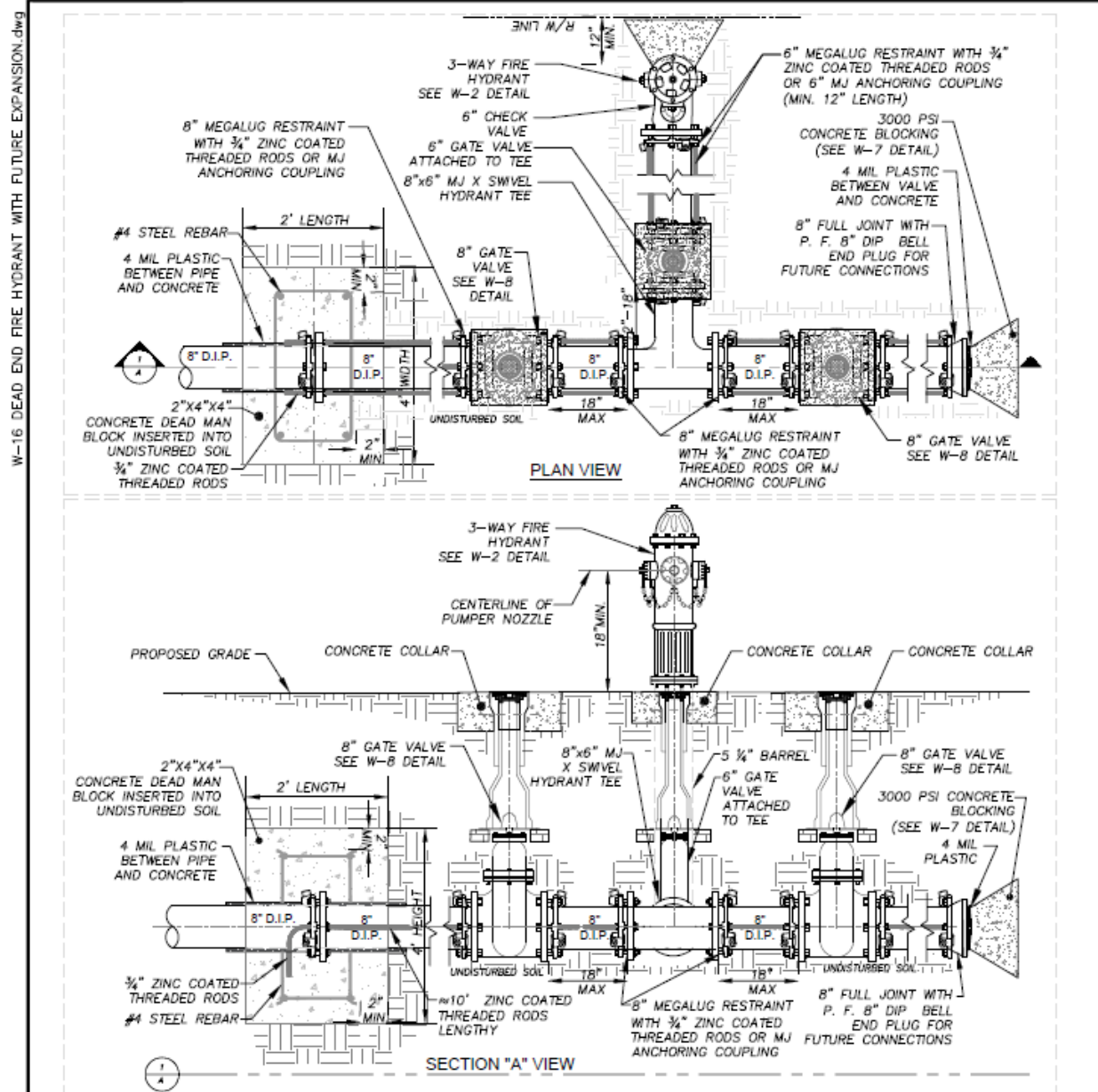
Standard Specification and Detail for:

Dead End Fire Hydrant w/ Gate Valve

GMD: NA	County: Athens-Clarke	State: Georgia	Date: November, 2022
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: MRA			
Scale: AS-SHOWN			



W-16 Dead End Fire Hydrant prepared for Future Extensions Detail.



Standard Specification and Detail for:

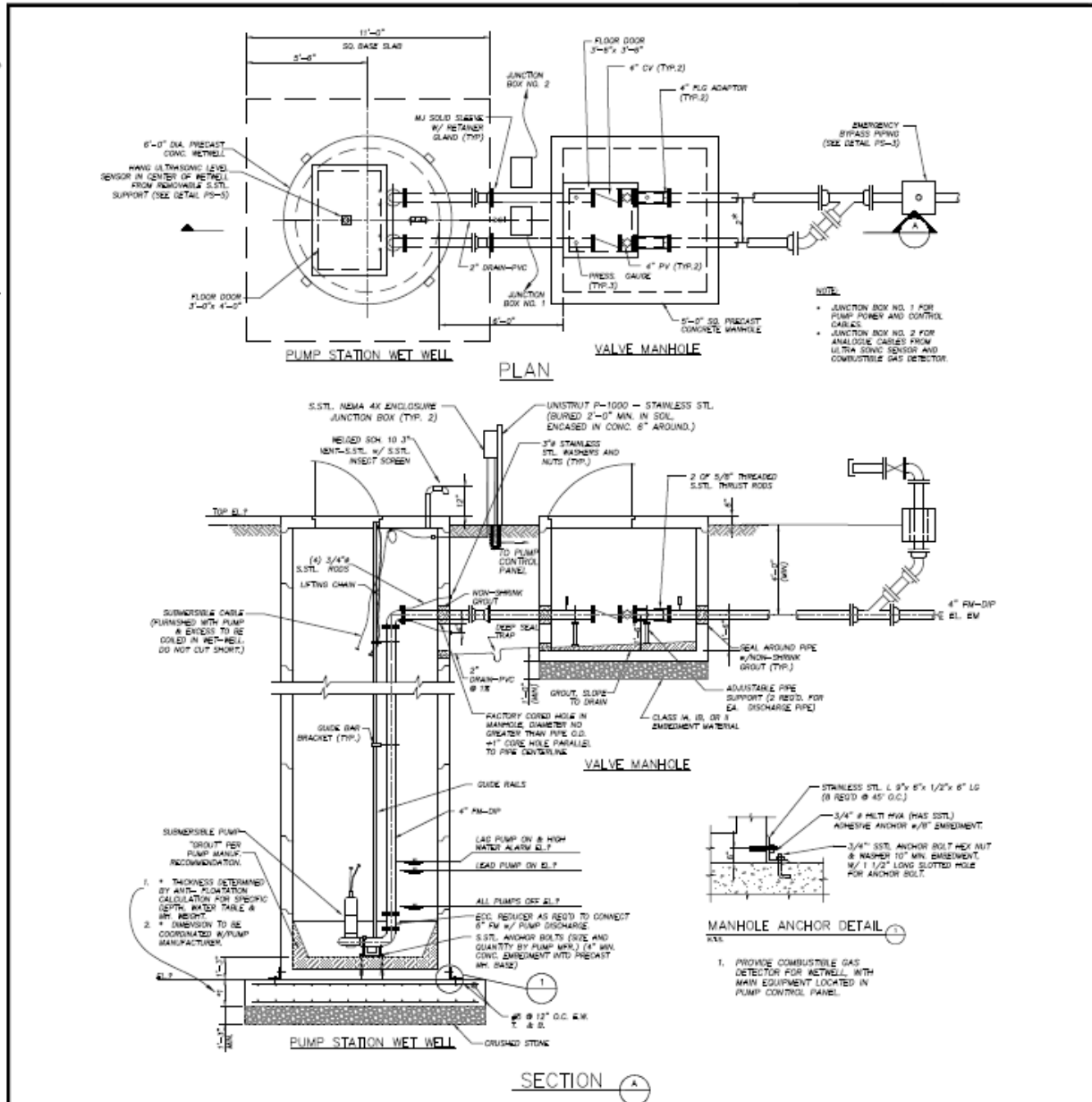
Dead End Fire Hydrant w/ Tee and Tee, Gate Valve for Future Extension

GMD: NA	County: Athens-Clarke	State: Georgia	Date: November, 2022
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: MRA			
Scale: AS-SHOWN			



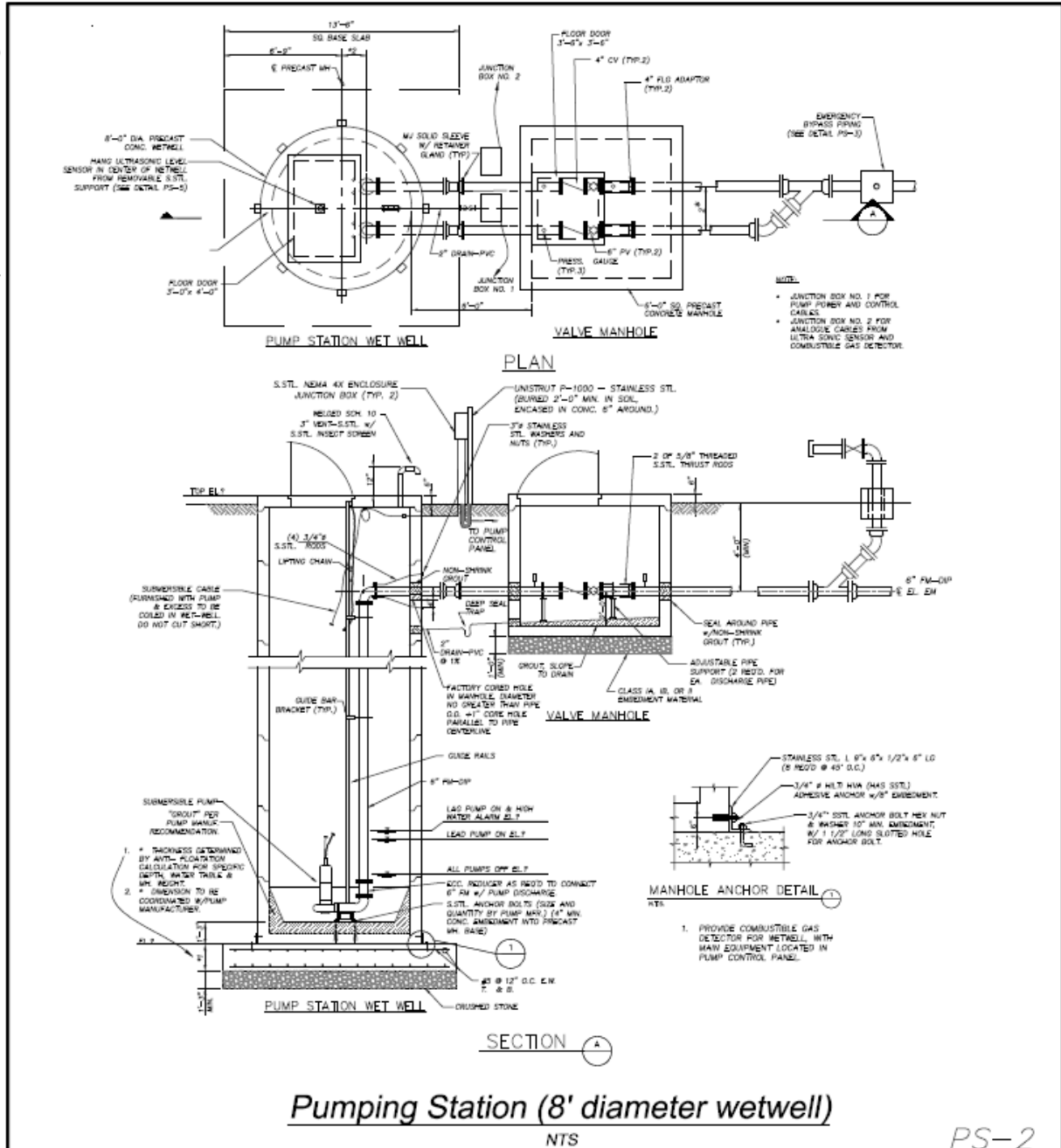
PS-1 Pumping Station (6' diameter wetwell)

ACC01ps1 - PUMPING STATION 6.dwg



PS-2 Pumping Station (8' diameter wetwell)

AC001ps2 - PUMPING STATION 8.dwg



Standard Specification and Detail for:

Pumping Station (8' diameter wetwell)

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

124 E Hancock Ave

Athens, Georgia 30601

Fax: 706-613-3198

Voice: 706-613-3490

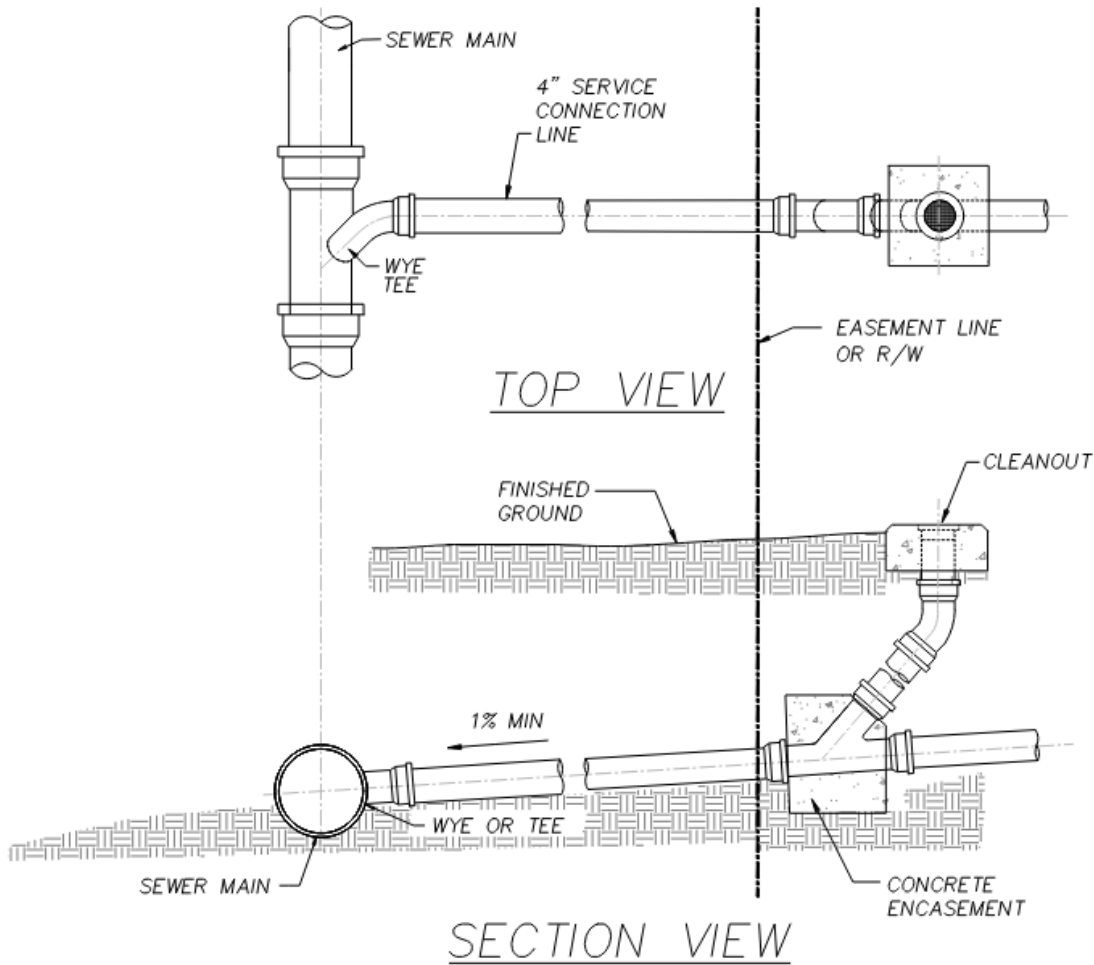


SS-1 Service Connection on New Sewers

SS-1 SERVICE CONNECTION IN NEW SEWER.dwg

NOTES:

1. CONNECTION TO NEW SEWER SHALL BE WITH TEE WYE WITH SDR 26 PVC.
2. NO TEES ON SEWERS LARGER THAN 12 INCHES IN DIAMETER
3. SERVICE PIPE MATERIAL SHALL BE SCHEDULE SDR 26 WHEN CONNECTING TO PVC.
4. SERVICE PIPE MATERIAL SHALL BE DUCTILE IRON WHEN CONNECTING TO DUCTILE IRON.
5. CONNECTION TO NEW DIP SEWER SHALL BE WITH 8"X4" MJ TEE.



Service Connection On New Sewers

NTS

SS-1

Standard Specification and Detail for:

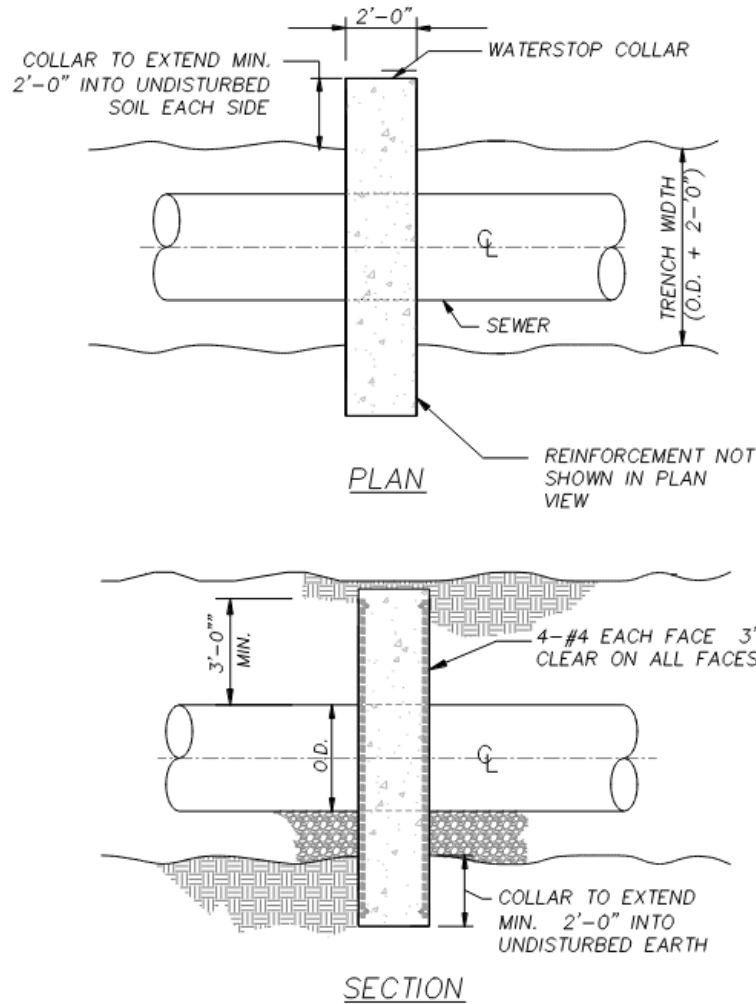
Service Connection On New Sewers

GMD: NA	County: Athens-Clarke	State: Georgia	Date: June, 2025
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: MRA			
Scale: AS-SHOWN			



SS-2 Water Stop Collar

SS-2 WATER STOP COLLAR.dwg



Water Stop Collar

SS-2

Standard Specification and Detail for:

Water Stop Collar

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County

Department of Public Utilities

124 E Hancock Ave

Athens, Georgia 30601

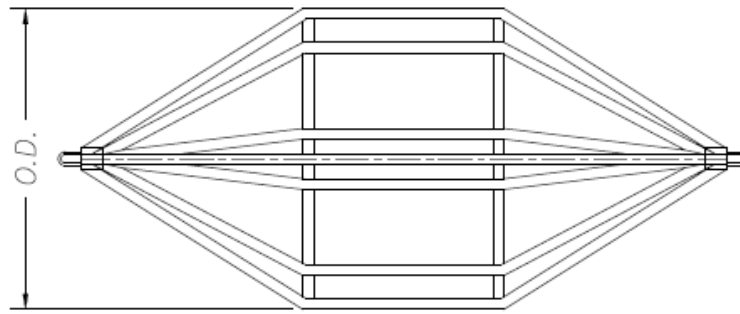
Fax: 706-613-3198

Voice: 706-613-3490

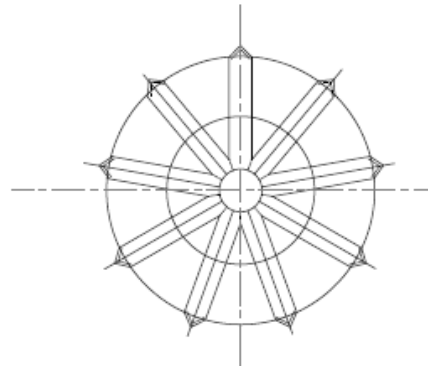


SS-3 Deflection Test Mandrel

SS-3 - DEFLECTION TEST MANDREL.dwg



SIDE OR TOP VIEW



END VIEW

SEWER SIZE	MINIMUM MANDREL DIAMETER
8	7.41
10	9.31
12	11.21
15	14.06

EQUAL TO 95% OF BASE INSIDE DIAMETER

Deflection Test Mandrel

SS-3

Standard Specification and Detail for:

Deflection Test Mandrel

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: GJ			
Scale: AS-SHOWN			

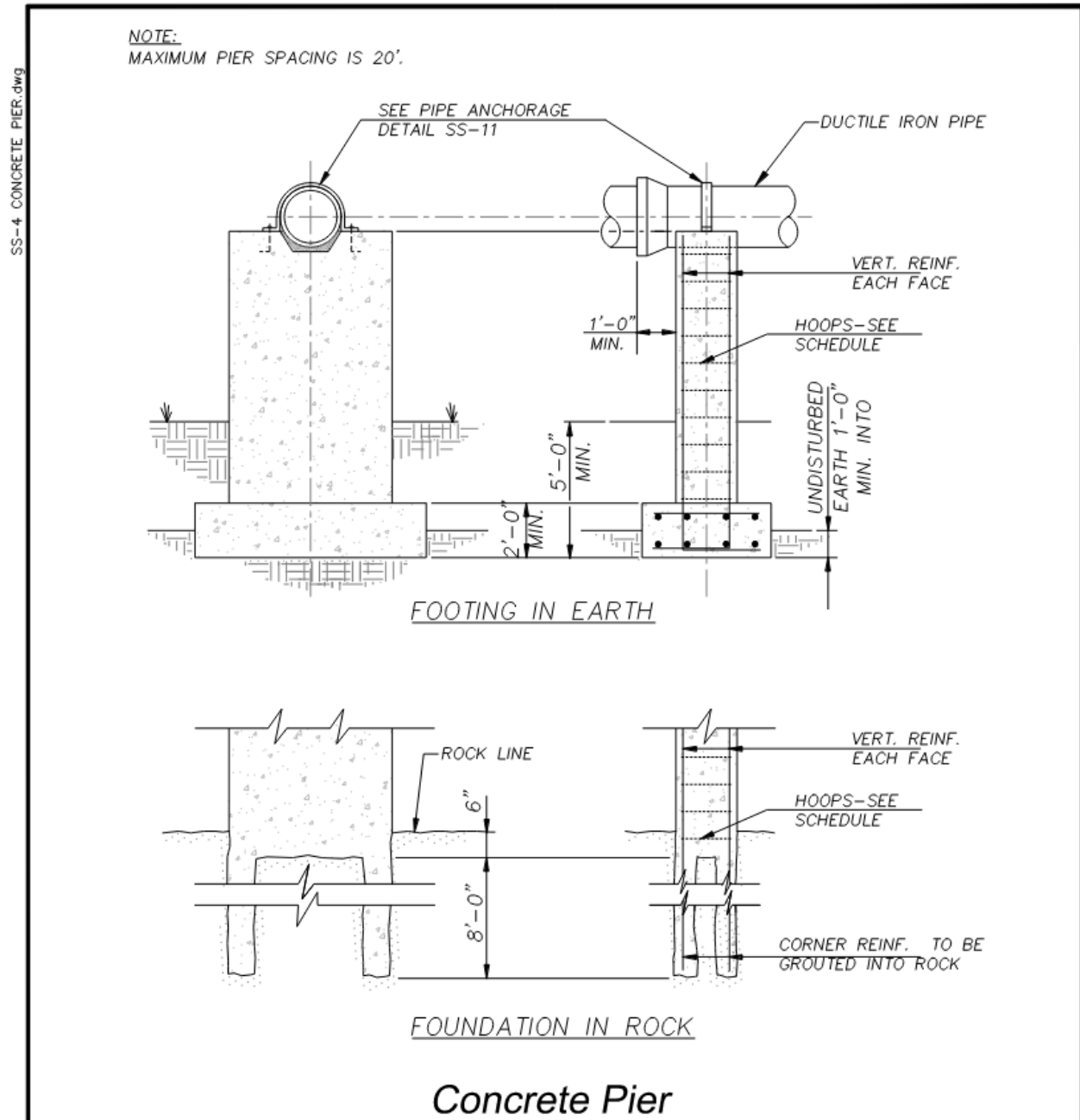
Fax: 706-613-3198

Athens, Georgia 30601

Voice: 706-613-3490



SS-4 Concrete Pier



SS-4

Standard Specification and Detail for:

Concrete Pier

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

124 E Hancock Ave

Athens, Georgia 30601

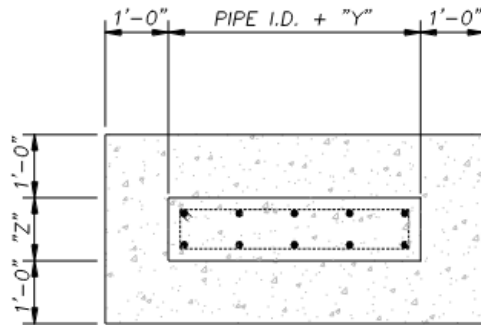
Fax: 706-613-3198

Voice: 706-613-3490

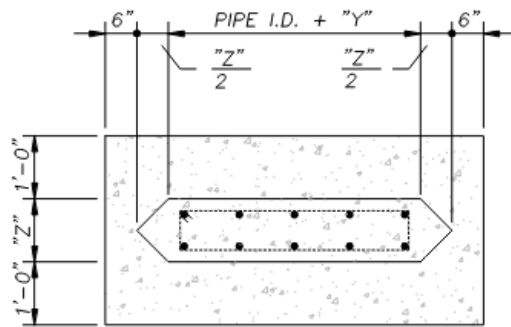


SS-5 Concrete Pier Footing

SS-5 CONCRETE PIER FOOTING.dwg

PLAN - OVERLAND

PIPE I.D.	"Y"	"Z"	VERT. REINF. @12" O.C.	HOOPS @12" O.C.
8"-16"	24"	12"	#5	#3

PLAN - IN STREAMNOTES:

1. FOOTING REINF. SAME AS VERT. REINF. EA. WAY TOP & BOTTOM.
2. WHEN BASE IS IN ROCK OMIT FOOTING & GROUT VERTICAL CORNER BARS 8' INTO ROCK.

Concrete Pier Footing

NTS

SS-5

Standard Specification and Detail for:

Concrete Pier Footing

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County

Department of Public Utilities

124 E Hancock Ave

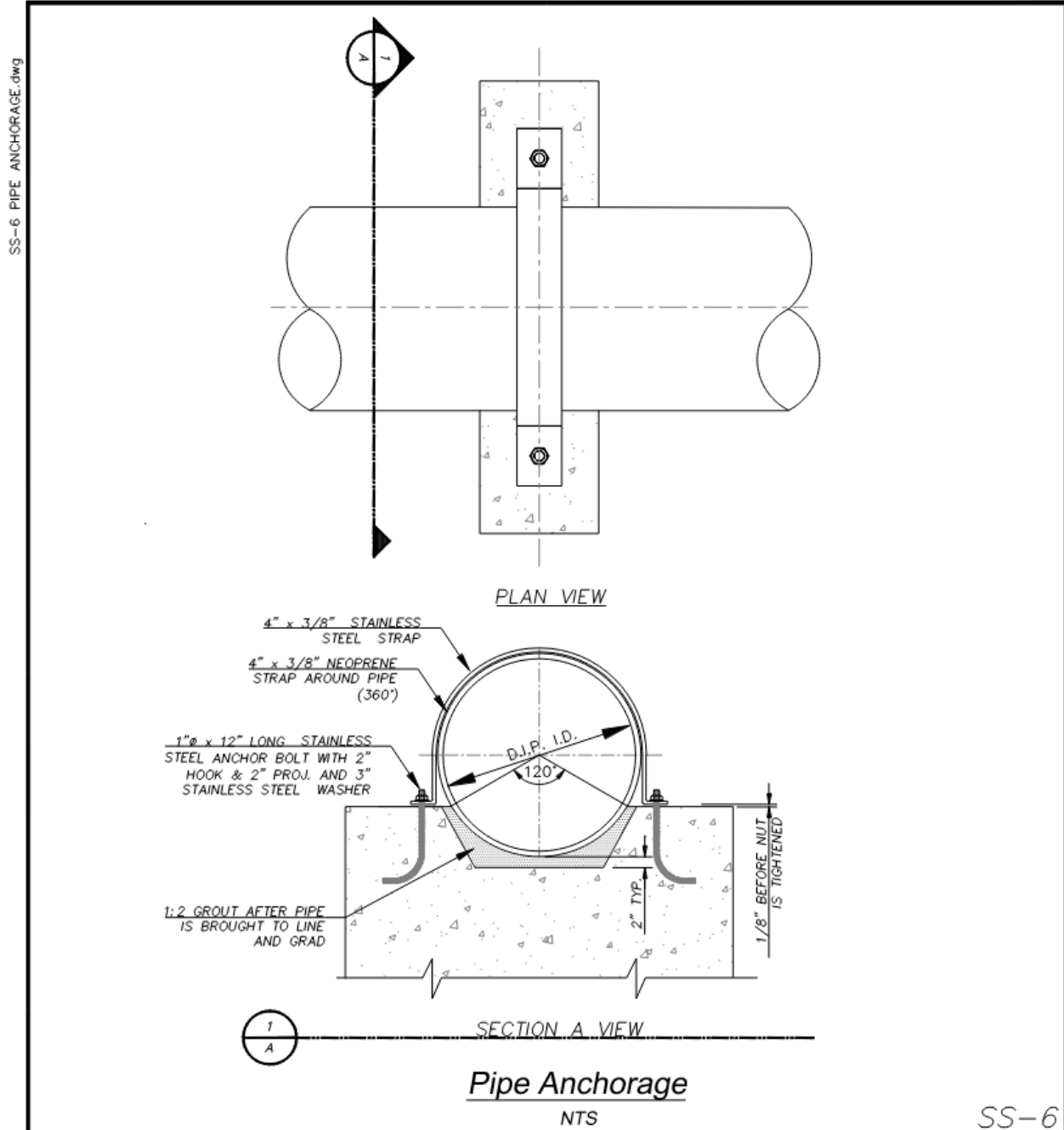
Athens, Georgia 30601

Fax: 706-613-3198

Voice: 706-613-3490



SS-6 Pipe Anchorage



Standard Specification and Detail for:

Pipe Anchorage

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2025

Drawn by: KFM

Approved by: MRA

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County

Department of Public Utilities

124 E Hancock Ave

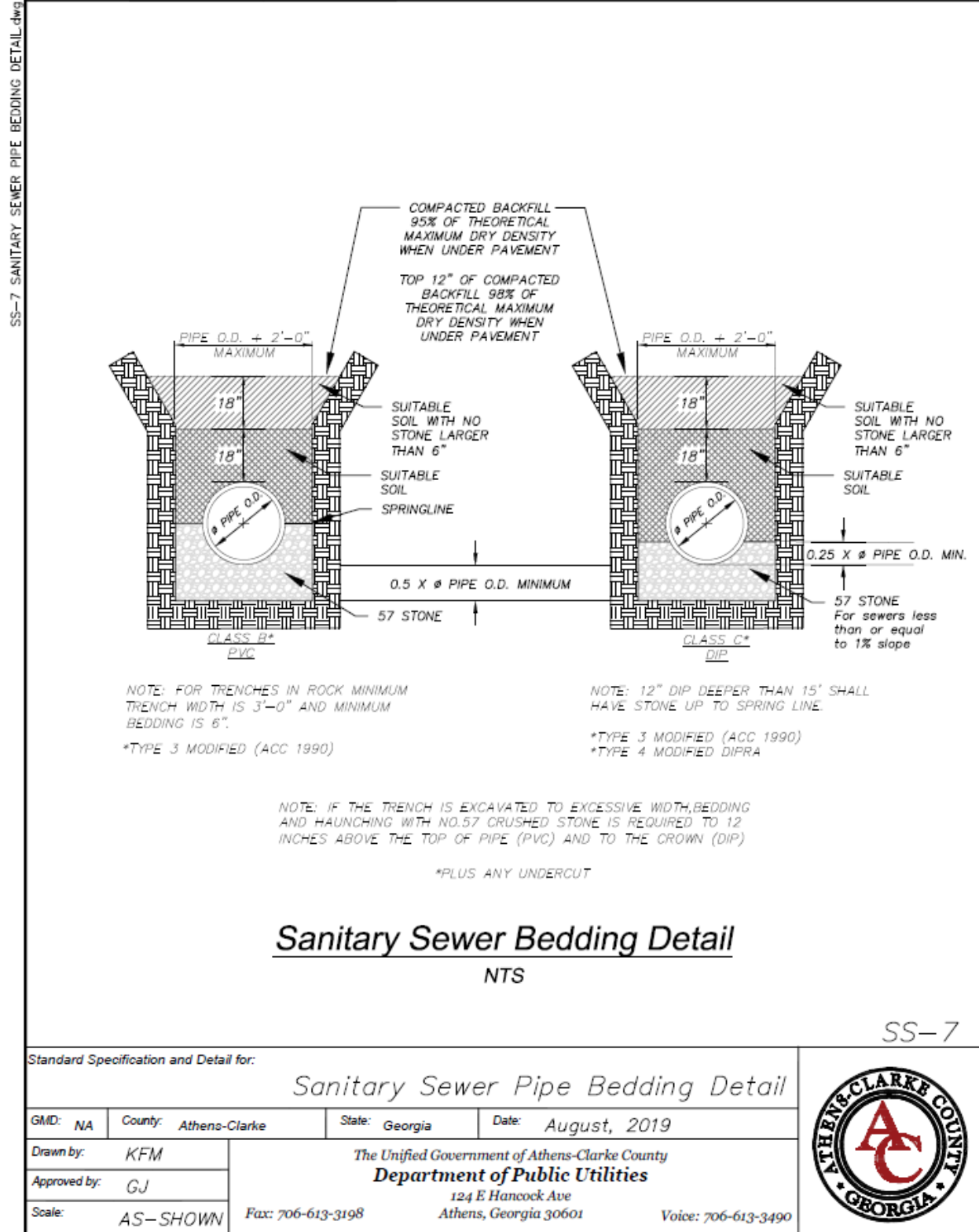
Athens, Georgia 30601

Fax: 706-613-3198

Voice: 706-613-3490

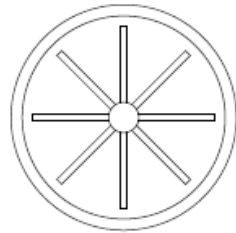


SS-7 Sanitary Sewer Pipe Bedding Detail

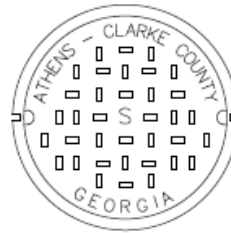


MH-1 Frame and Cover Manhole Detail

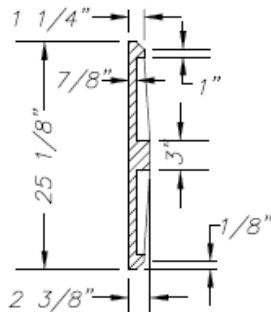
MH1 FRAME AND COVER.dwg



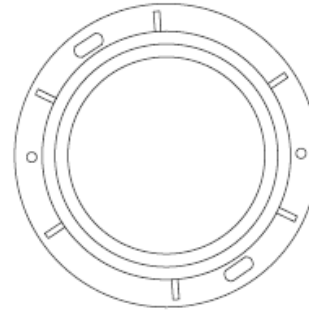
COVER BACK



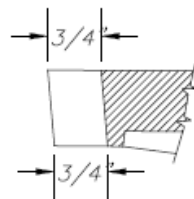
COVER FACE



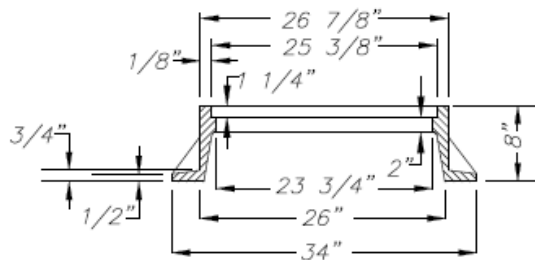
COVER SECTION



FRAME PLAN



(2) TYPE ONE PICKSLOTS
PICKSLOT DETAIL



FRAME SECTION

Frame and Cover Manhole Detail

NTS

MH-1

Standard Specification and Detail for:

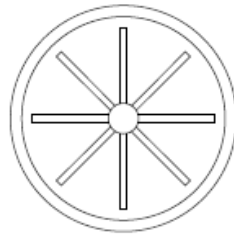
Frame and Cover Manhole Detail

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-2 Frame and Cover Private Manhole Detail

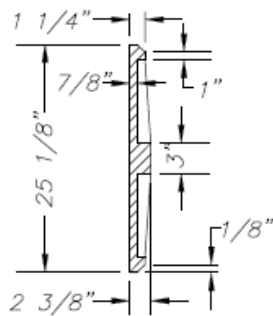
MH-2- PRIVATE FRAME AND COVER.dwg



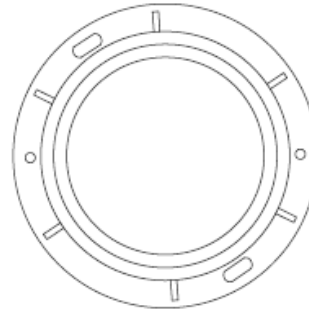
COVER BACK



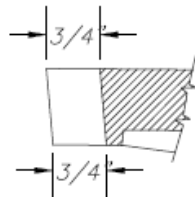
COVER FACE



COVER SECTION

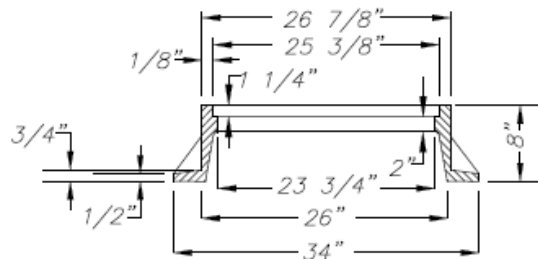


FRAME PLAN



(2) TYPE ONE PICKSLOTS

PICKSLOT DETAIL



FRAME SECTION

Frame and Cover Private Manhole Detail

NTS

MH-2

Standard Specification and Detail for:

Frame and Cover Private Manhole Detail

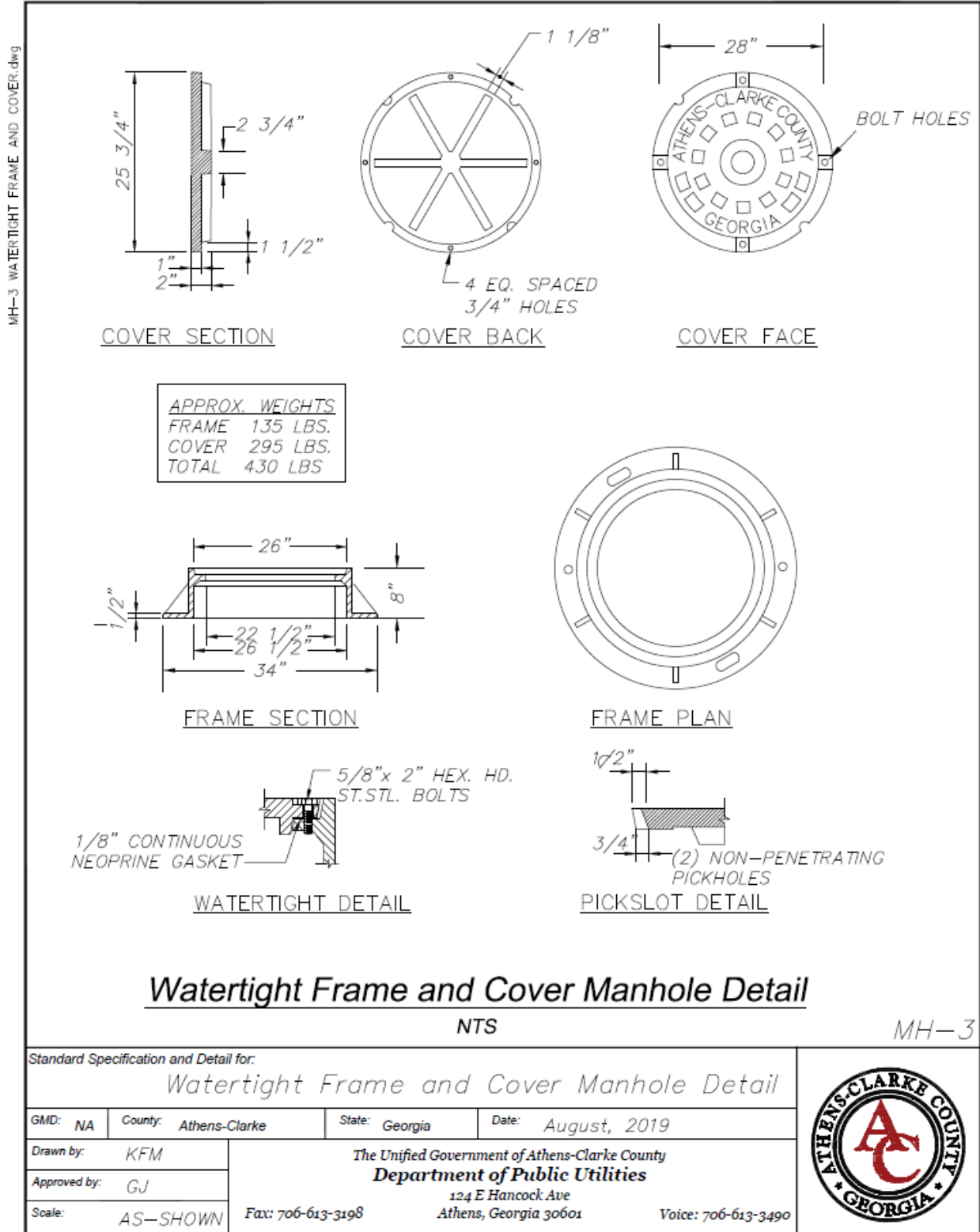
GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: GJ			
Scale: AS-SHOWN			

Fax: 706-613-3198

Voice: 706-613-3490

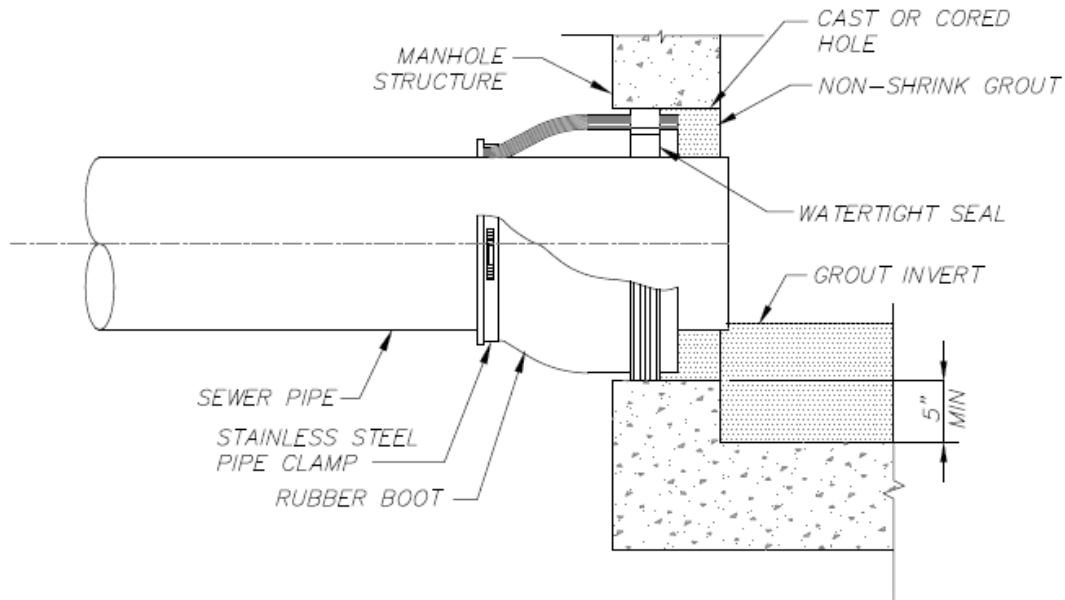


MH-3 Watertight Frame and Cover Manhole Detail



MH-4 Boot Connection

ACC-MH-4- BOOT CONNECTION.dwg



Boot Connection

NTS

MH-4

Standard Specification and Detail for:

Boot Connection

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

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Athens, Georgia 30601

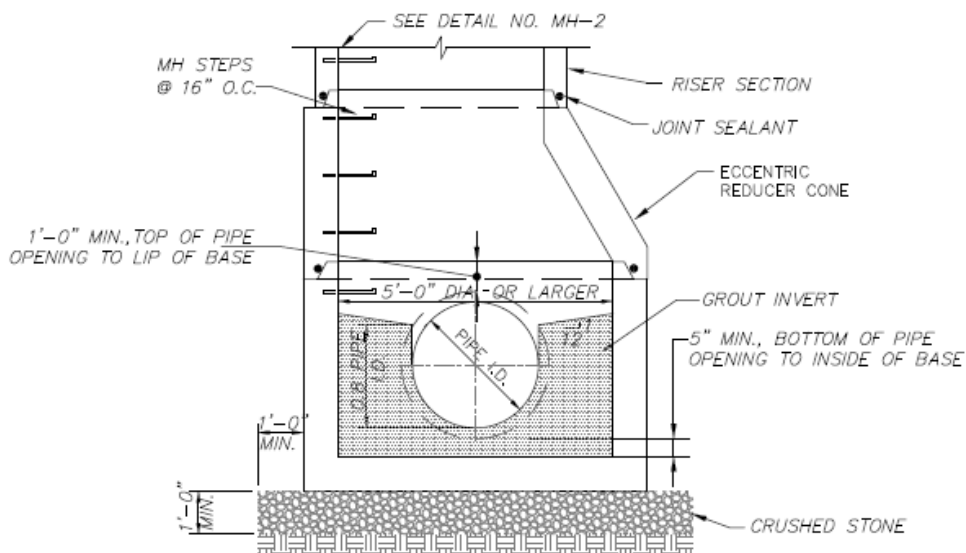
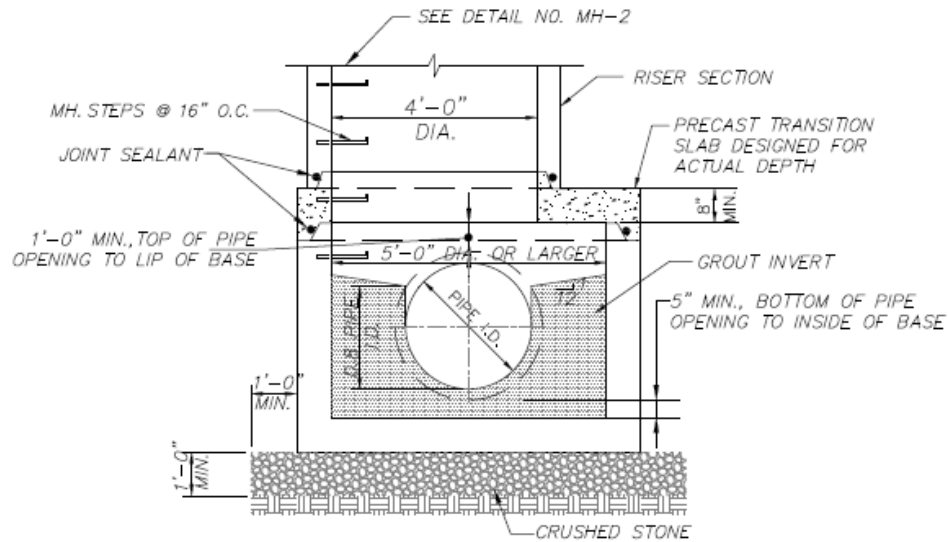
Fax: 706-613-3198

Voice: 706-613-3490



MH-5 Large Diameter Manhole Base

MH5- LARGE DIAMETER MANHOLE BASE.dwg



Large Diameter Manhole Base

NTS

MH-5

Standard Specification and Detail for:

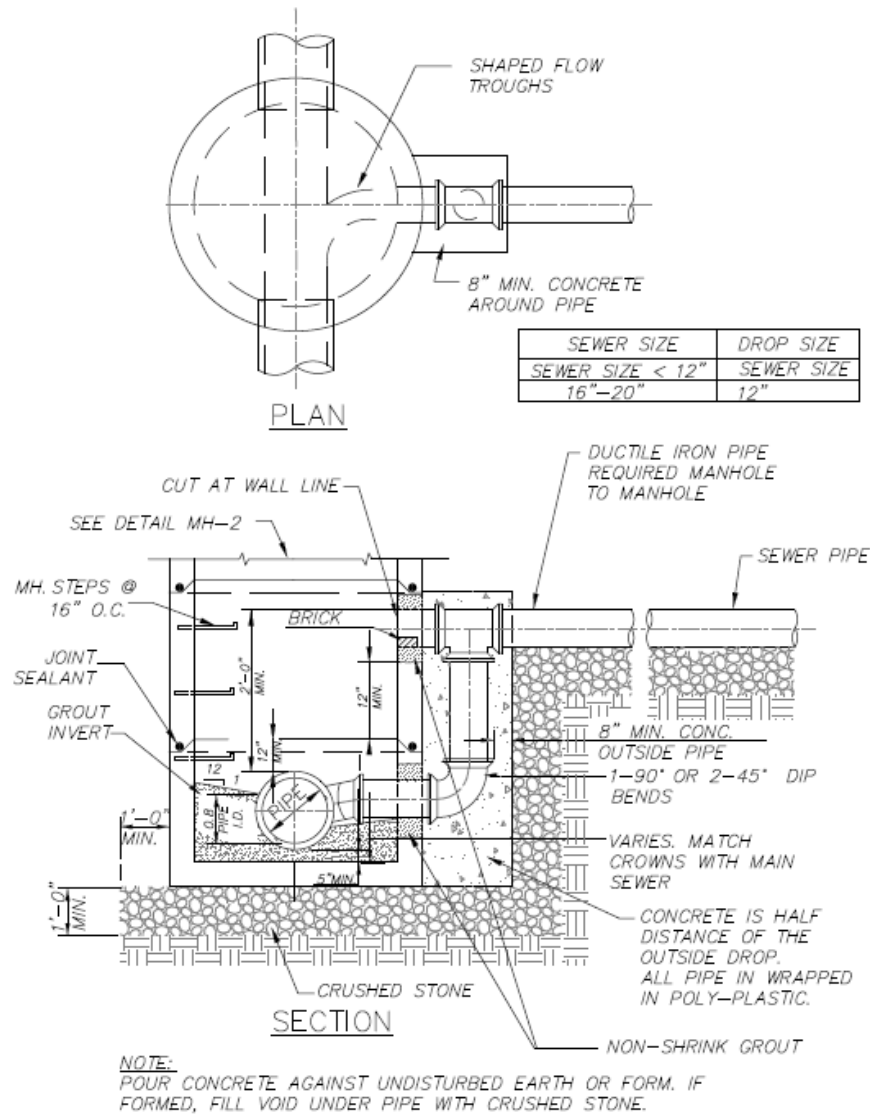
Large Diameter Manhole Base

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-6 Manhole Base with Hole Connection

MH6 - MANHOLE BASE WITH HOLE CONNECTION.dwg



Manhole Base with Hole Connection

NTS

MH-6

Standard Specification and Detail for:

Manhole Base with Hole Connection

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

124 E Hancock Ave
Athens, Georgia 30601

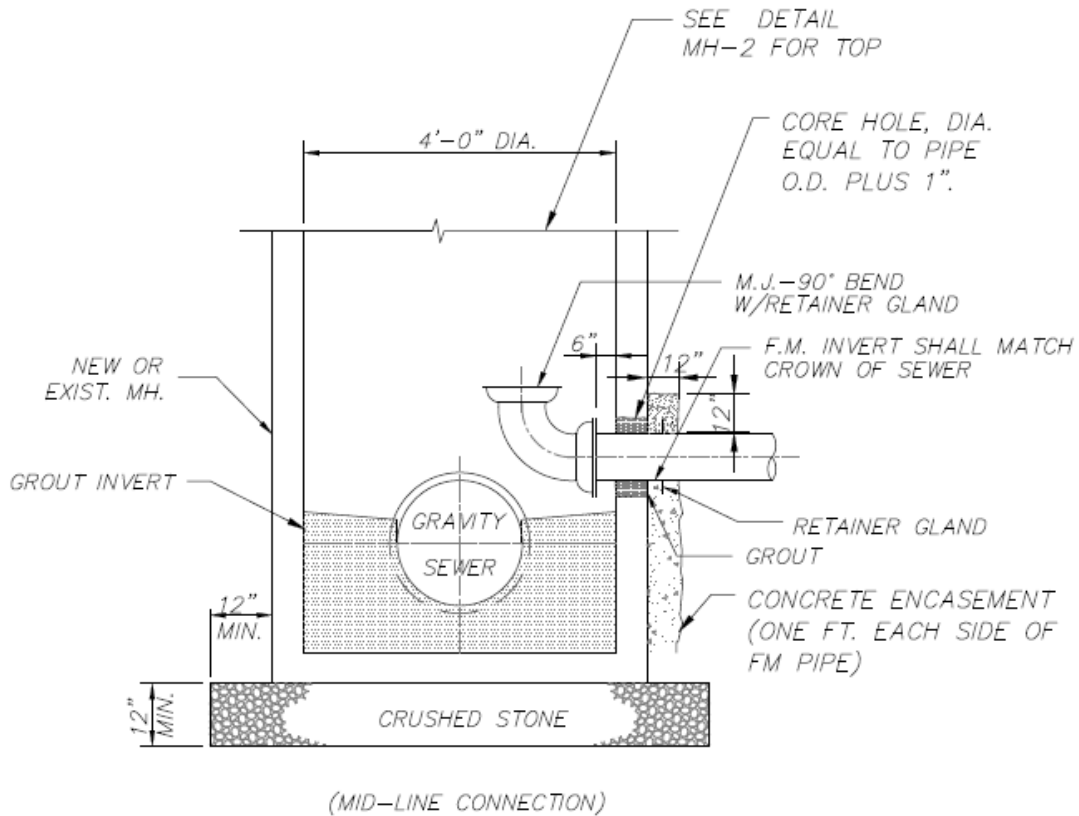
Fax: 706-613-3198

Voice: 706-613-3490



MH-8 Force Main Discharge Manhole Type 1

ACC-MH8 FORCE MAIN DISCHARGE MANHOLE TYPE 1.dwg



Force Main Discharge Manhole Type 1 NTS

MH-8

Standard Specification and Detail for:

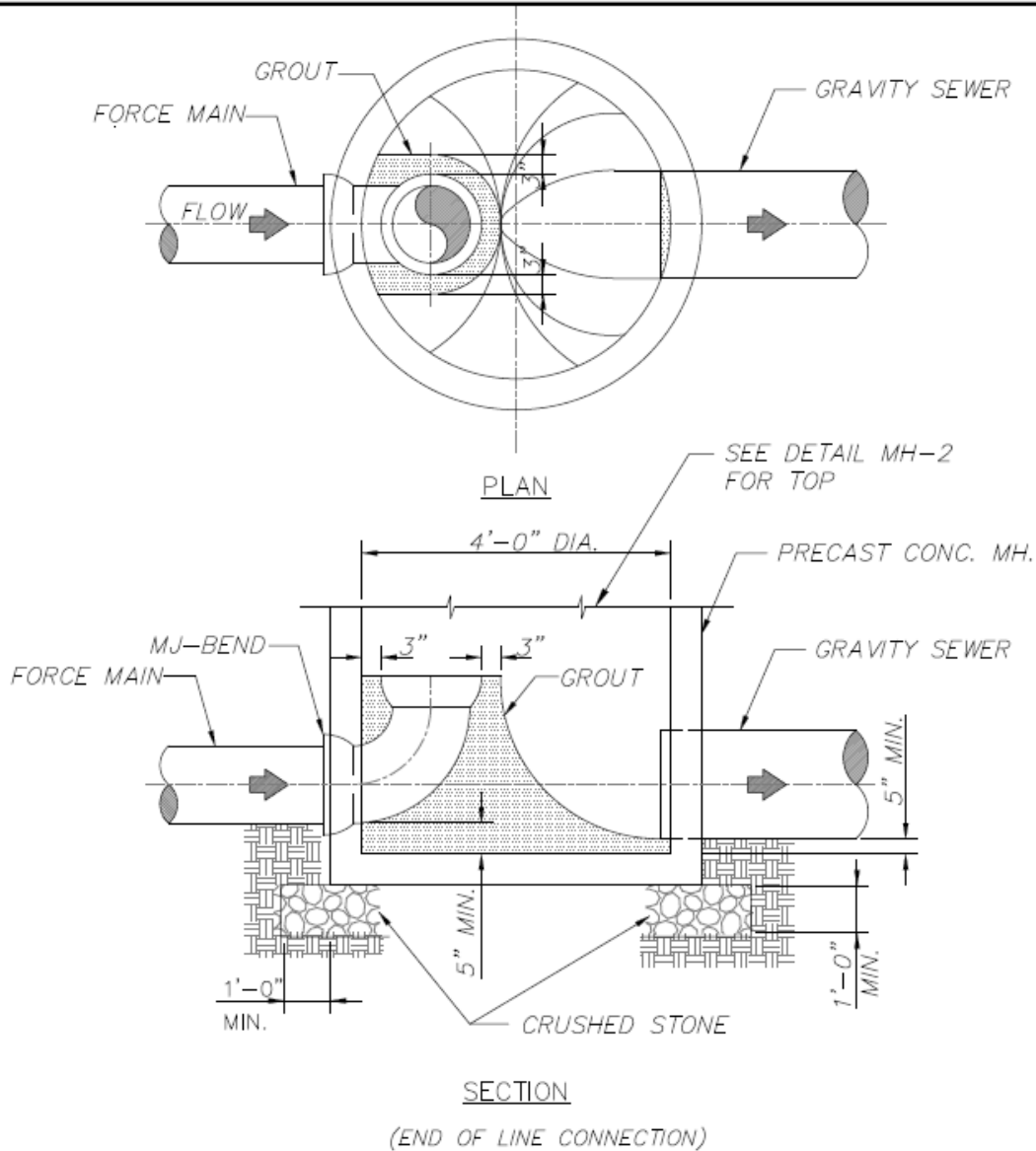
Force Main Discharge Manhole Type 1

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-9 Force Main Discharge Manhole Type 2

ACC-MH9 FORCE MAIN DISCHARGE MANHOLE TYPE 2.dwg



Force Main Discharge Manhole Type 2 NTS

MH-9

Standard Specification and Detail for:

Force Main Discharge Manhole Type 2

GMD: NA County: Athens-Clarke State: Georgia Date: August, 2019

Drawn by: KFM

Approved by: GJ

Scale: AS-SHOWN

The Unified Government of Athens-Clarke County
Department of Public Utilities

124 E Hancock Ave
Athens, Georgia 30601

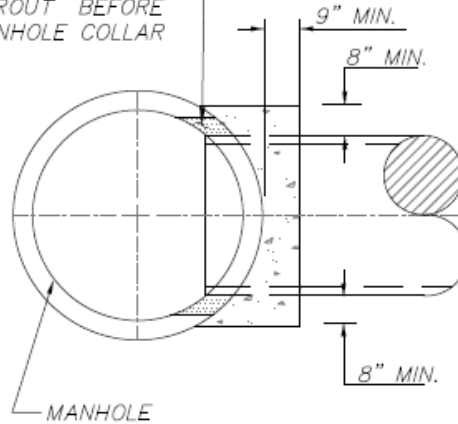
Fax: 706-613-3198 Voice: 706-613-3490



MH-10 Manhole Collar

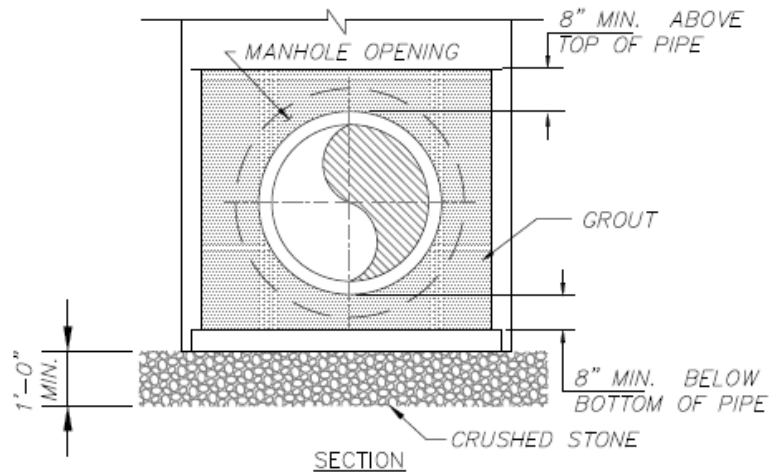
ACC-MH10 MANHOLE COLLAR.dwg

FILL VOID BETWEEN PIPE AND MANHOLE WALL WITH NON-SHRINK GROUT BEFORE FORMING MANHOLE COLLAR



PLAN

MANHOLE COLLARS SHALL BE USED FOR SEWER CONNECTIONS TO MANHOLES:
1. IF EXIST. MANHOLE IS BRICK.
2. IF MANHOLE IS CONSTRUCTED OVER EXIST. SEWER.



SECTION

Manhole Collar
NTS

MH-10

Standard Specification and Detail for:

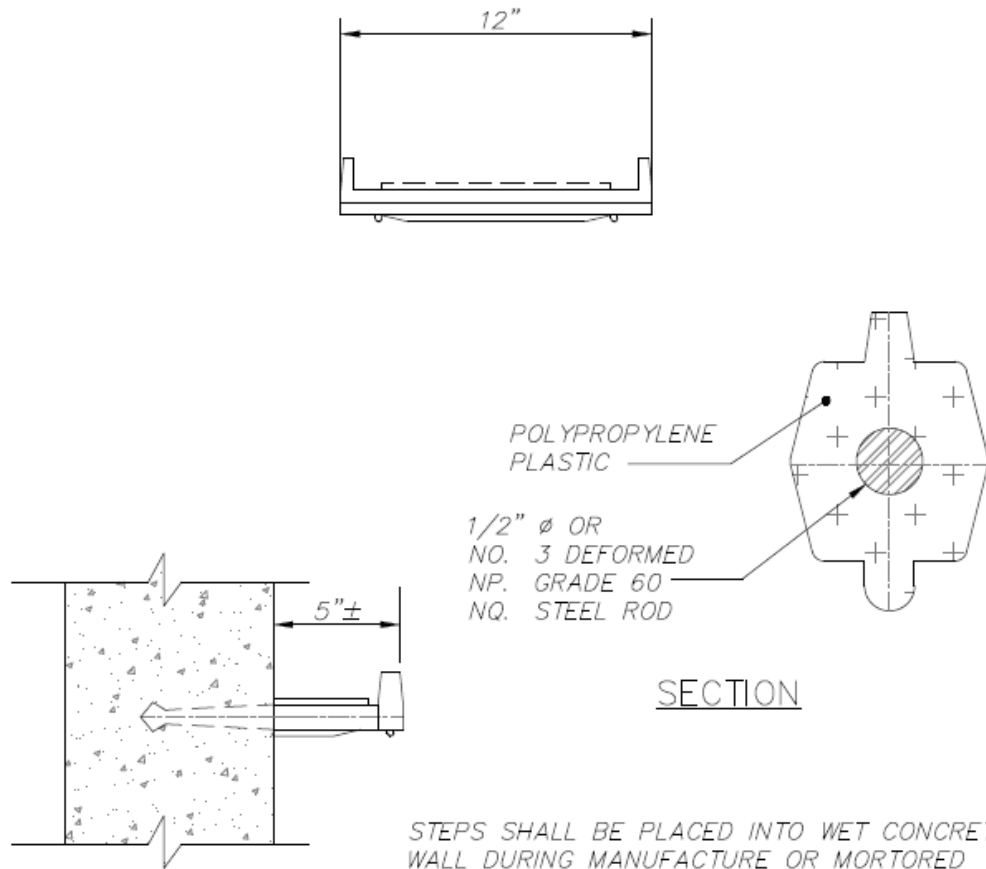
Manhole Collar

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-11 Manhole Step

ACC-MH11 MANHOLE STEP.dwg



STEPS SHALL BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE OR MORTORED INTO HOLES AFTER CONCRETE HAS SET.

Manhole Step NTS

MH-11

Standard Specification and Detail for:

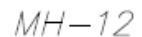
Manhole Step

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: GJ			
Scale: AS-SHOWN			

Fax: 706-613-3198

Voice: 706-613-3490



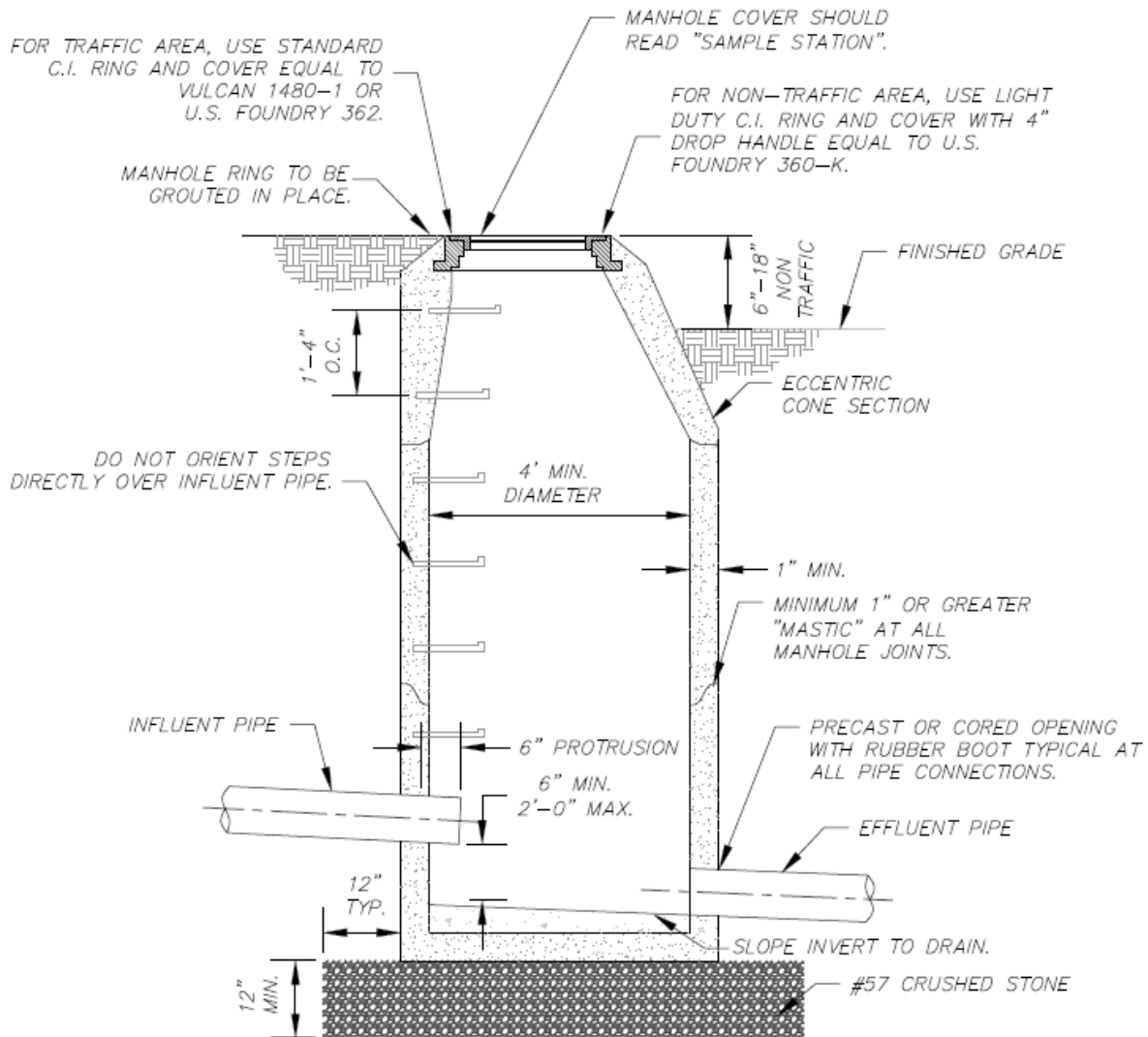


Sample Manhole



MH-13 Industrial Sample Manhole

ACC-MH13 INDUSTRIAL SAMPLE MANHOLE.dwg



Industrial Sample Manhole
NTS

MH-13

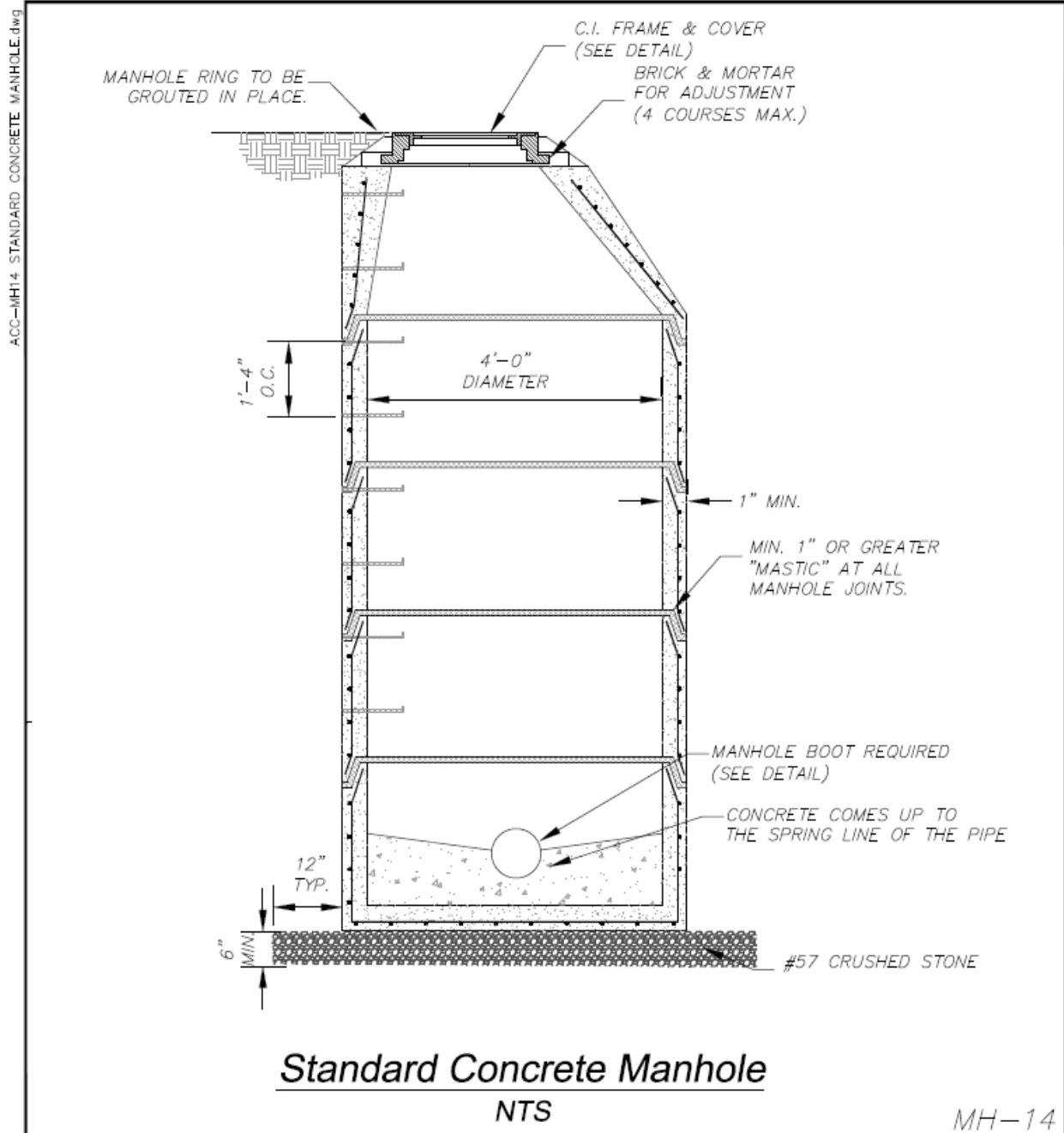
Standard Specification and Detail for:

Industrial Sample Manhole

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-14 Standard Concrete Manhole



Standard Specification and Detail for:

Standard Concrete Manhole

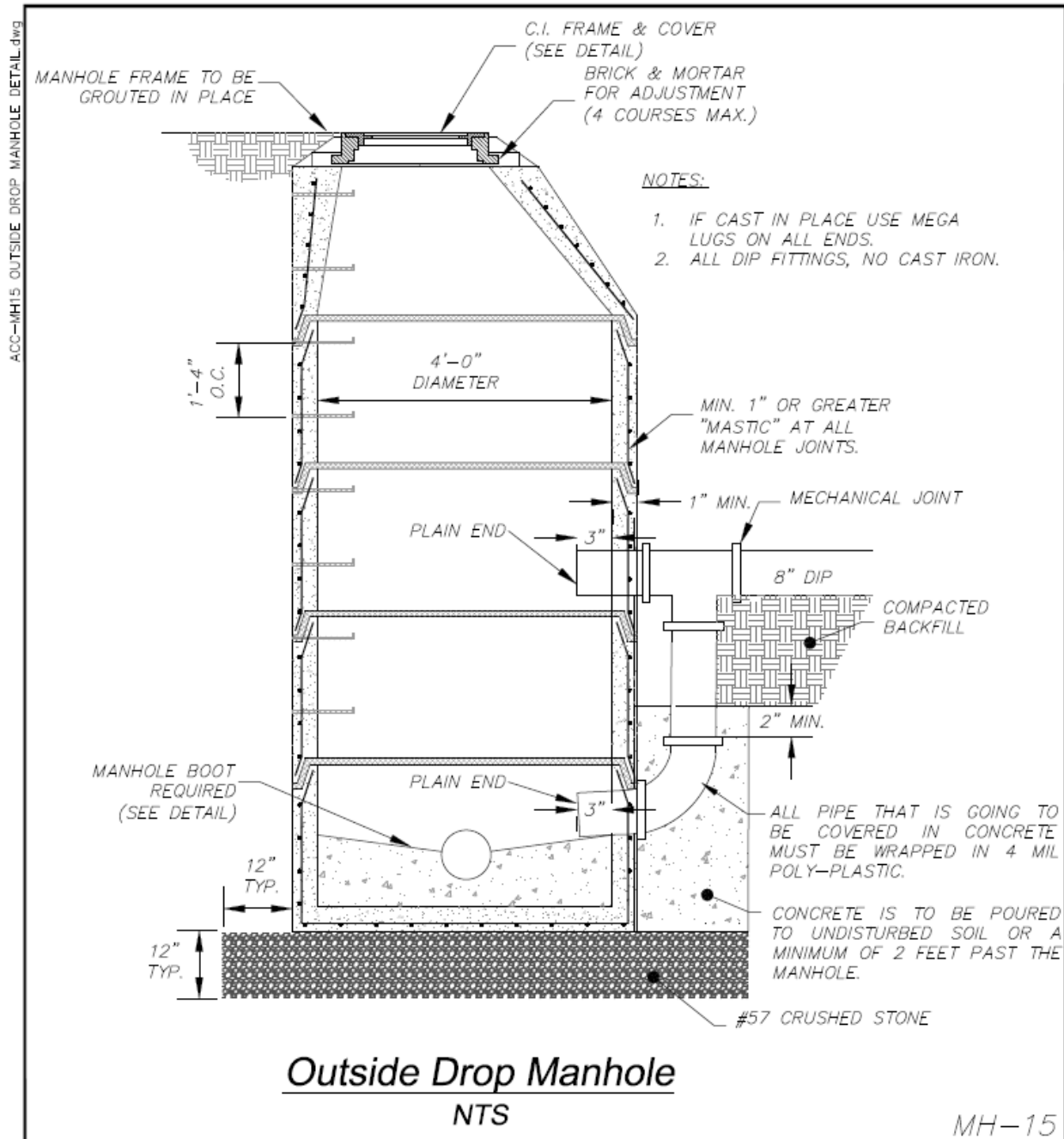
GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: GJ			
Scale: AS-SHOWN			

Fax: 706-613-3198

Voice: 706-613-3490



MH-15 Outside Drop Manhole



Standard Specification and Detail for:

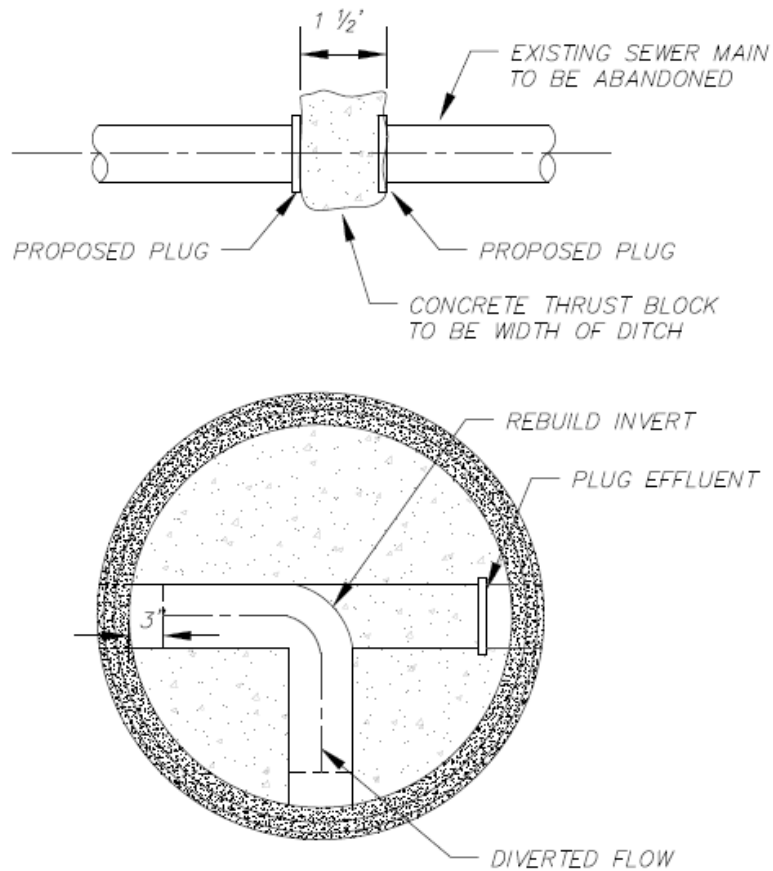
Outside Drop Manhole

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



MH-16 Sewer Main Diversion

ACC-MH16 SEWER MAIN DIVERSION DETAIL.dwg



Sewer Main Diversion NTS

MH-16

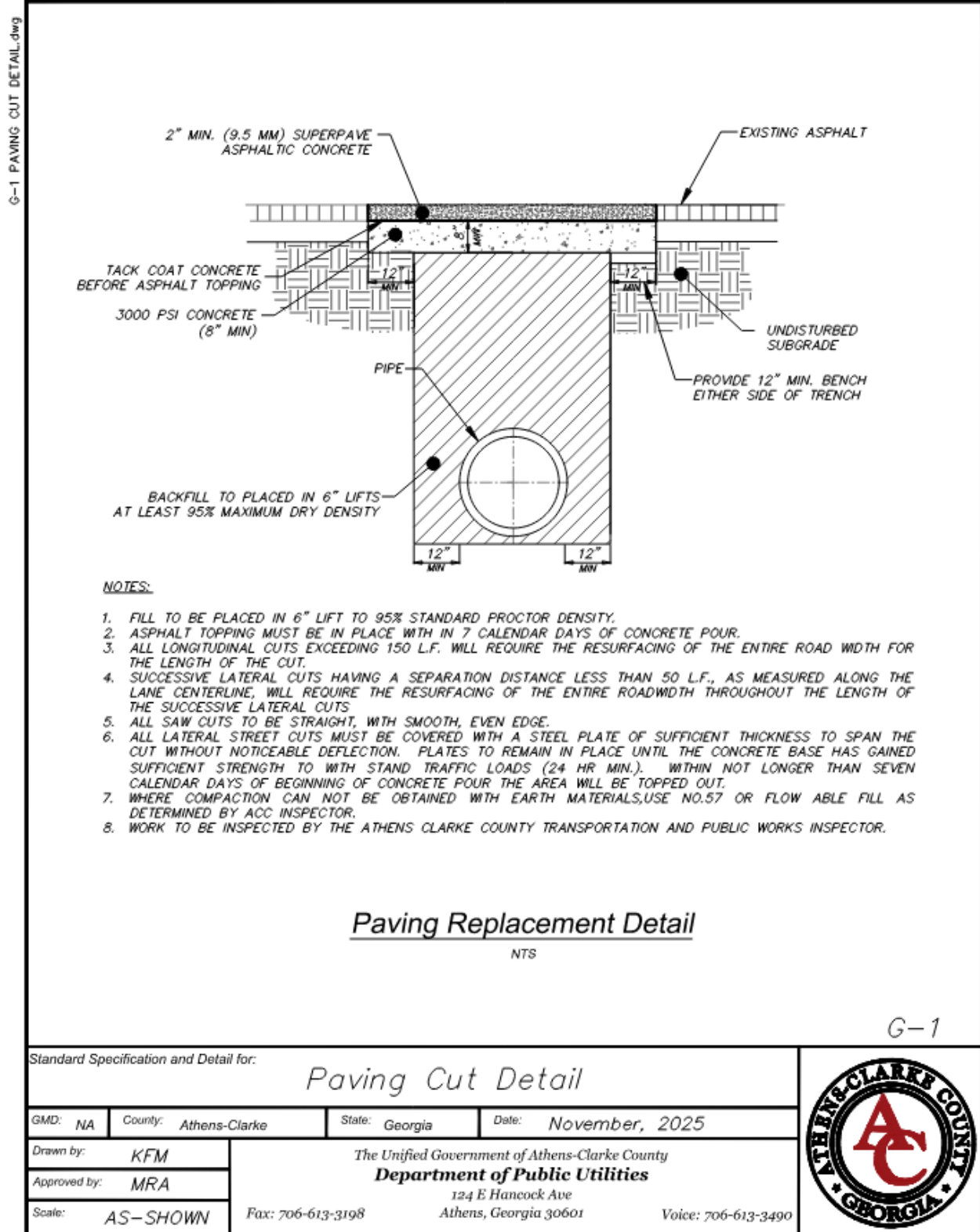
Standard Specification and Detail for:

Sewer Main Diversion

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			

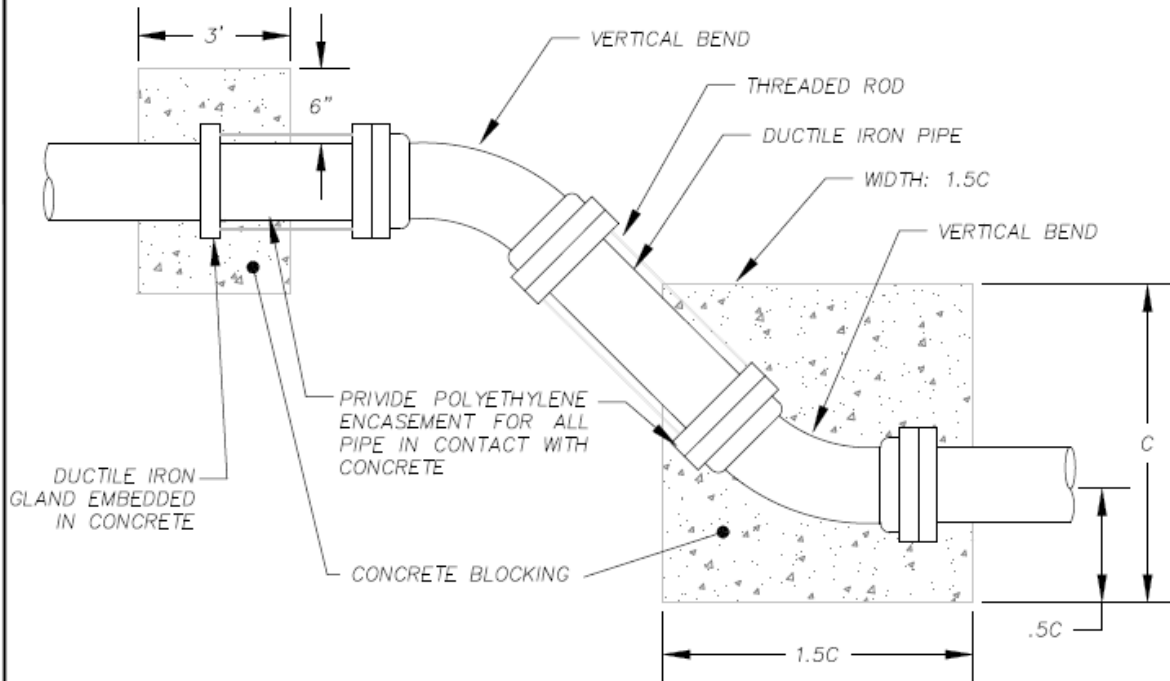


G-1 Paving Cut Detail



G-2 Vertical Bend Detail

DET-G-2 - VERTICAL BEND DETAIL.dwg

NOTE:

1. CONNECT THREADED RODS TO EMBEDDED FITTING OR RETAINER GLAND AS REQUIRED.

Vertical Bend Detail

NTS

G-2

Standard Specification and Detail for:

Vertical Bend Detail

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



G-3 Casing and Spacer Detail

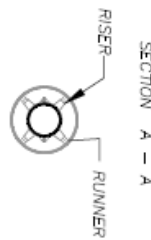
DET-G-3 — CASING AND SPACER DETAIL.dwg

Casing and Spacer Detail

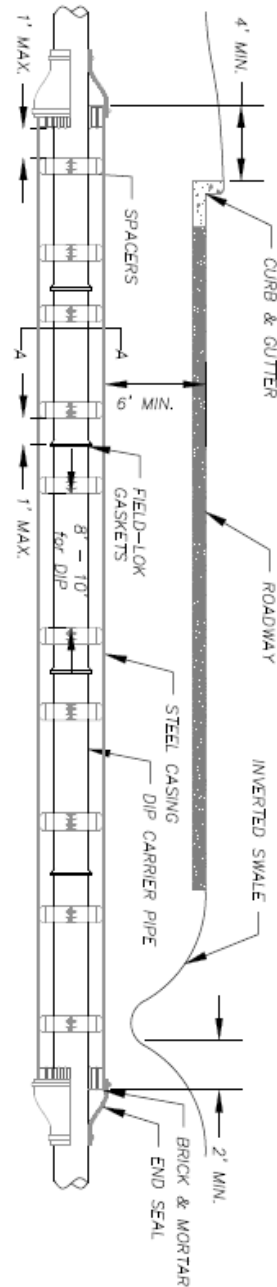
NTS

- NOTE:**
1. CASING TO EXTEND 4' BEYOND CURB & GUTTER OR EDGE OF PAVEMENT IN FILL SECTION.
 2. CASING TO EXTEND 2' BEYOND THE BACK EDGE OF THE BOTTOM OF THE DITCH OR 2' BEYOND THE BOTTOM OF A V-DITCH.
 3. FOR WATER AND/OR SANITARY SEWER ONLY.

UNDER RAILROADS		
PIPE DIAMETER	CASING DIAMETER	MIN. WALL THICKNESS
8"	18"	.313"
10"	20"	.344"
12"	22"	.375"
14"	24"	.407"
16"	30"	.469"



UNDER HIGHWAYS		
PIPE DIAMETER	CASING DIAMETER	MIN. WALL THICKNESS
8"	16"	.250"
10"	18"	.250"
12"	18"	.250"
16"	24"	.250"
20"	30"	.312"
30"	42"	.375"



G-3

Standard Specification and Detail for:

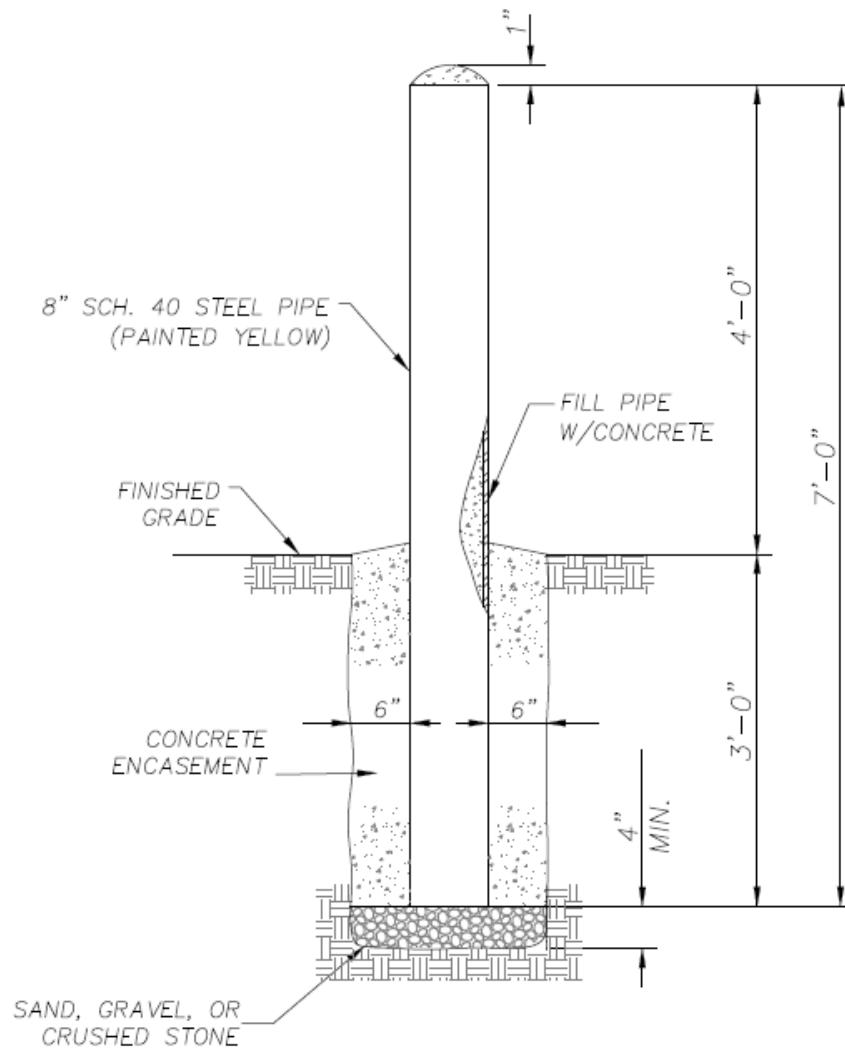
Casing and Spacer Detail

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601 Fax: 706-613-3198 Voice: 706-613-3490		
Approved by: GJ			
Scale: AS-SHOWN			



G-4 Bollard

DET-G-4- BOLLARD.dwg



Bollard
NTS

G-4

Standard Specification and Detail for:

Bollard

GMD: NA	County: Athens-Clarke	State: Georgia	Date: August, 2019
Drawn by: KFM	The Unified Government of Athens-Clarke County Department of Public Utilities 124 E Hancock Ave Athens, Georgia 30601		
Approved by: GJ			
Scale: AS-SHOWN			

Fax: 706-613-3198

Voice: 706-613-3490

