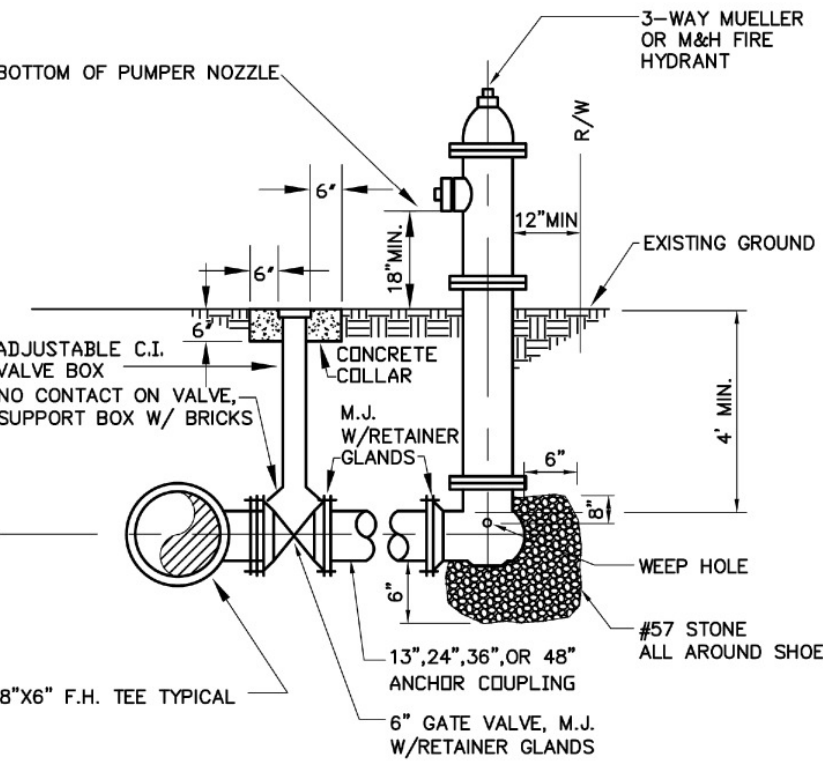
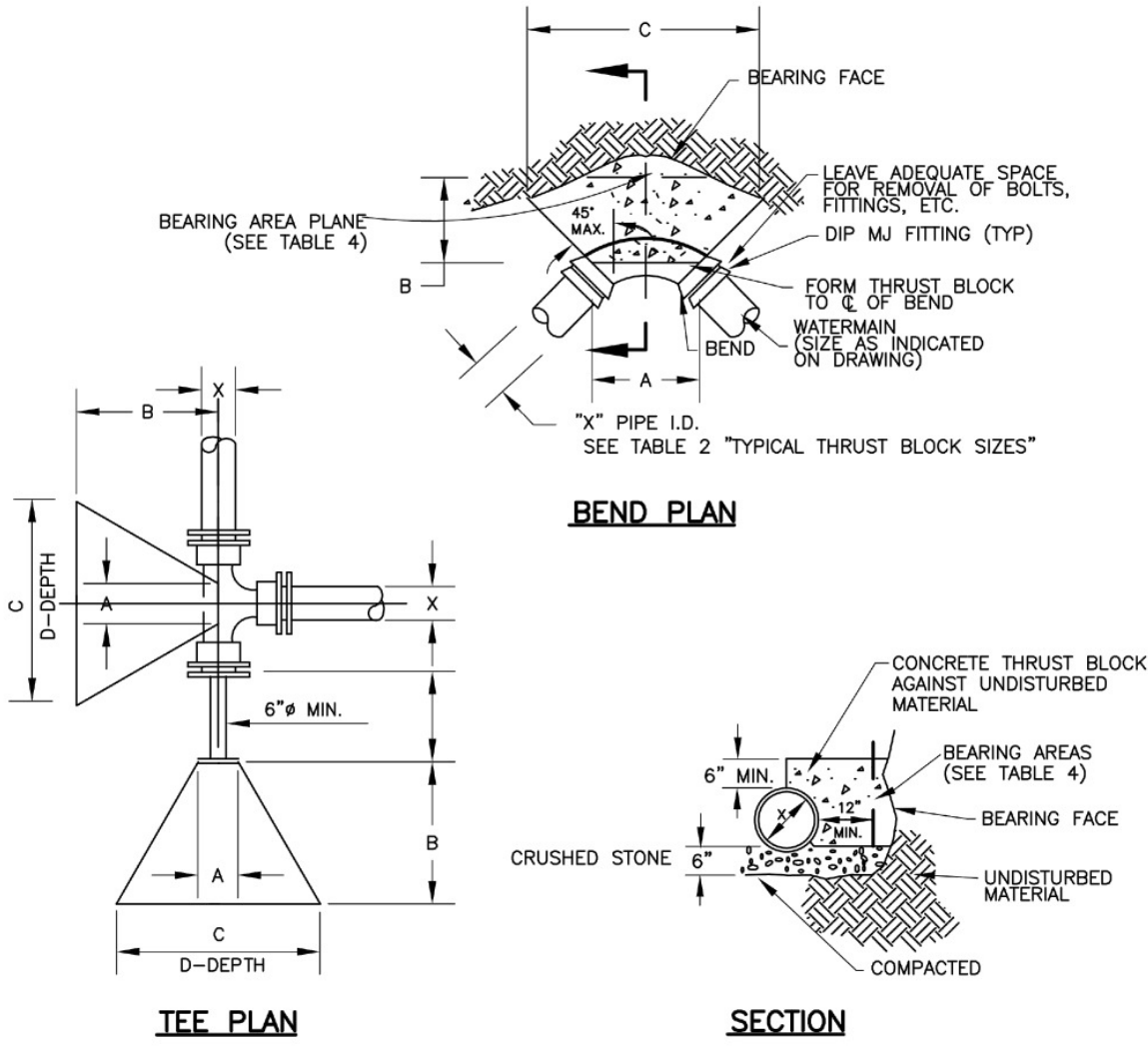




NOTES: FOR MAIN SIZES 16-INCH AND LARGER, 6-INCH G.V. MAY BE CONNECTED TO MAIN BY TAPPING SADDLE AND ANCHOR COUPLING IN LIEU OF HYDRANT TEE

CITY OF COVINGTON
WATER SYSTEM DETAIL
FIRE HYDRANT
ASSEMBLY FOR ROADS
AND HIGHWAYS

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- NOTES:
- ALL WATERMAIN BENDS SHALL BE BACKED UP WITH A CONCRETE THRUST BLOCK BETWEEN THE PIPE AND UNDISTURBED MATERIAL.
 - BEARING AREA REQUIRED ON VERTICAL PLANE 90° TO RADIAL PLANE PASSING THROUGH MIDPOINT OF BEND.
 - FOR BEARING AREA REQUIREMENTS SEE TABLE 4 * BEARING AREAS (SF) AGAINST UNDISTURBED MATERIAL FOR WATERLINE FITTING.*

CITY OF COVINGTON
WATER SYSTEM DETAIL
WATERLINE THRUST
BLOCK

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TABLE 2					
TYPICAL BLOCK THRUST SIZES					
DEADEND & TEES	X	A	B	C	D
	12"	1'-0"	3'-0"	3'-6"	3'-6"
BENDS	10"	1'-0"	2'-6"	4'-8"	2'-6"
	8"	0'-10"	2'-0"	4'-0"	2'-6"
	6"	0'-8"	1'-6"	2'-6"	1'-6"
	12"	1'-0"	4'-0"	6'-0"	4'-3"
	10"	1'-0"	3'-0"	5'-0"	3'-6"
	8"	0'-10"	2'-6"	4'-0"	3'-0"
	6"	0'-8"	1'-6"	3'-6"	2'-6"
	12"	1'-0"	3'-3"	5'-3"	3'-3"
	10"	1'-0"	2'-3"	4'-6"	2'-6"
	8"	0'-10"	1'-6"	3'-6"	2'-3"
22-1/2"	12"	1'-0"	1'-3"	2'-6"	1'-6"
	10"	1'-0"	1'-3"	2'-6"	1'-6"
	8"	0'-8"	1'-0"	1'-6"	1'-3"
	12"	1'-0"	1'-6"	2'-6"	1'-6"
	10"	1'-0"	1'-3"	2'-3"	1'-3"
	8"	0'-10"	1'-0"	1'-6"	1'-0"
	6"	0'-8"	1'-0"	1'-6"	0'-4"
	12"	1'-0"	1'-6"	2'-6"	1'-6"
	10"	1'-0"	1'-3"	2'-3"	1'-3"
	8"	0'-10"	1'-0"	1'-6"	1'-0"

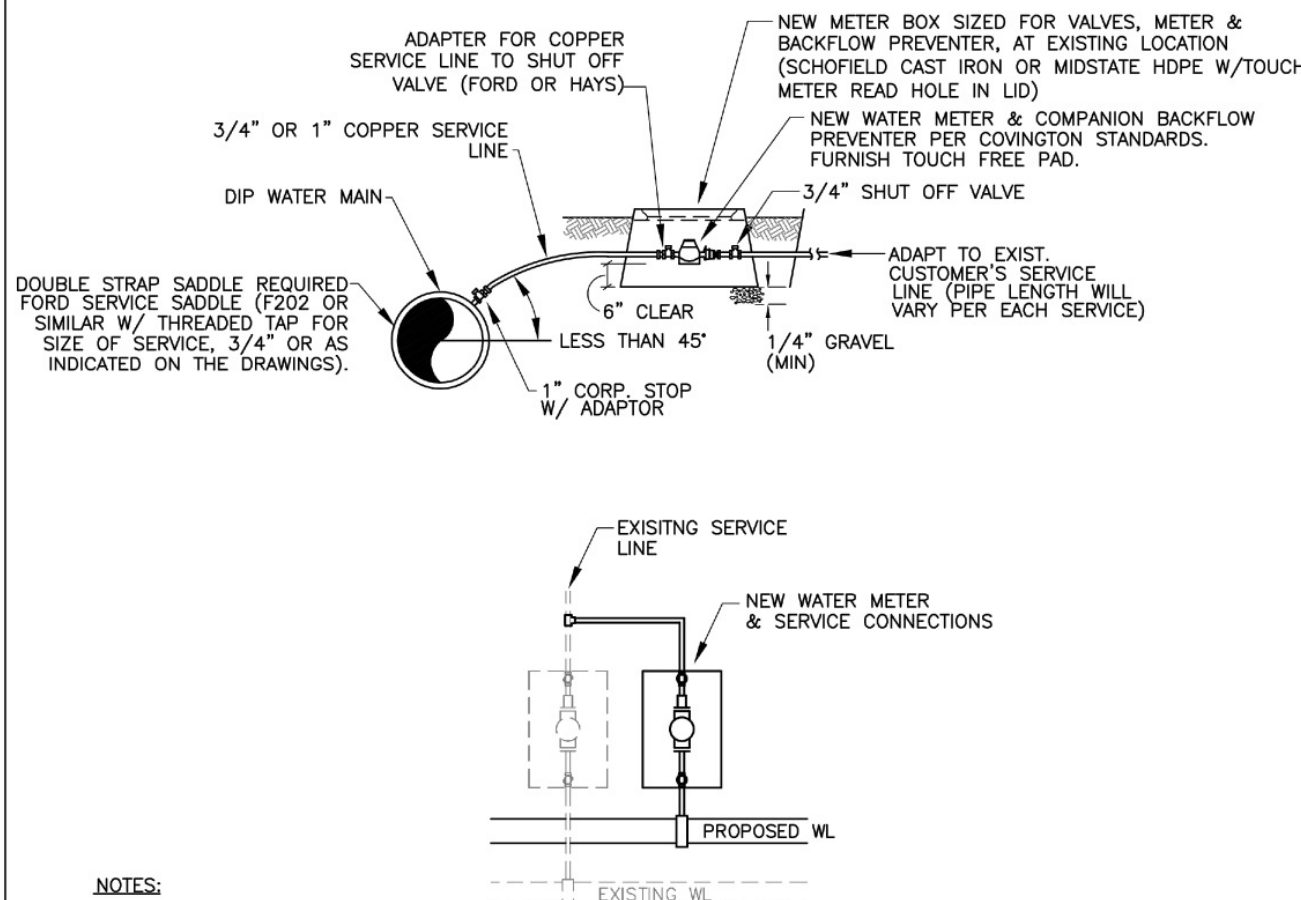
NOTE: MECHANICAL JOINT FITTINGS 4" I.D. AND LESS SHALL BE RESTRAINED WITH RETAINER GLANDS
X = DIAMETER OF PIPE TO BE BLOCKED 250 PSI TEST PRESSURE AND 2000 PSF SOIL BEARING

TABLE 3				
DIMENSIONS AND REINFORCING FOR GRAVITY THRUST BLOCK CONSTRUCTION				
FITTING (DIA. IN.)	W (MIN)	X (MIN)	MAIN REINF.	
			M-BARS EA SIDE	M-BARS TOTAL
6 TO 10	3'-0"	10"	2-#5	4-#5
12 TO 14	3'-6"	1'-4"	4-#5	8-#5
16	3'-6"	1'-6"	3-#6	6-#6

* TABLE APPLIES TO ONLY VERTICAL BENDS AT TOP.

CITY OF COVINGTON
WATER SYSTEM DETAIL
THRUST BLOCK
DIMENSIONS

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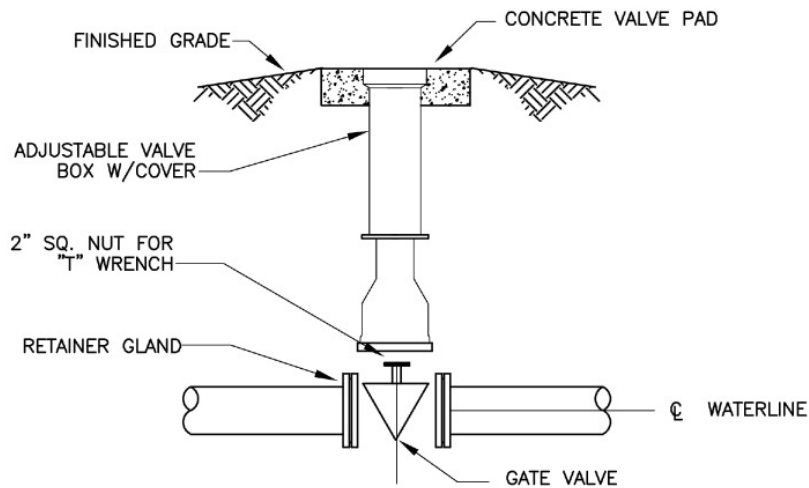


NOTES:

- TYPICALLY, THE CITY INSTALLS THE WATER TAPS AND SETS THE METERS, SWIVEL & BOX. THE BACKFLOW PREVENTER SHALL BE INSTALLED BY THE BUILDER/DEVELOPER OR HIS/HER REPRESENTATIVE AND SHALL BE CONNECTED TO THE SWIVEL. IF THE METER AND BACKFLOW PREVENTER WILL NOT FIT IN ONE BOX, WHEN INCORPORATING THE SWIVEL, THEN A SEPARATE BOX FOR THE BACKFLOW PREVENTER MUST BE USED. THIS BACKFLOW PREVENTER BOX MUST BE THE SAME MAKE, MODEL, AND COLOR AS WATER METER BOX. IF THE SWIVEL IS BYPASSED, THE C.O. FOR THAT PARTICULAR HOME OR BUSINESS WILL BE HELD UNTIL THE BACKFLOW PREVENTER IS PROPERLY INSTALLED.
- ONCE THE CITY INSTALLS THE METER AND APPURTENANCES, THE BOX LID IS CLOSED. MANY TIMES DURING THE CONSTRUCTION OF THE HOUSE, THE LIDS ARE TOSSED TO THE SIDE. THIS CAN CAUSE THE METER TO FREEZE AND BREAK DURING THE WINTER MONTHS. IF THIS HAPPENS, THE BUILDER/DEVELOPER WILL BE CHARGED FOR A NEW METER AND INSTALLATION COST.
- AT THE REQUEST OF THE BUILDER/DEVELOPER AND AFTER PAYMENT FOR THE WATER TAP, THE METER AND APPURTENANCES ARE SET BY THE CITY. IT IS THE RESPONSIBILITY OF THE BUILDER/DEVELOPER TO ENSURE THAT THE BOXES REMAIN INTACT AND UNDISTURBED. IF GRADE CHANGES OR MATERIAL DELIVERY RESULTS IN ALTERED OR BROKEN BOXES, THE BUILDER

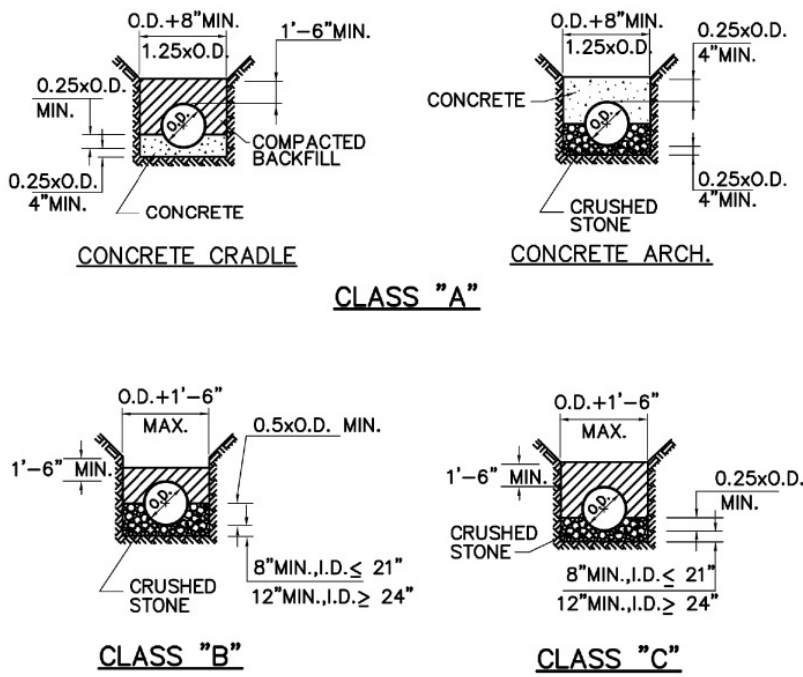
CITY OF COVINGTON
WATER SYSTEM DETAIL
WATER SERVICE
CONNECTION

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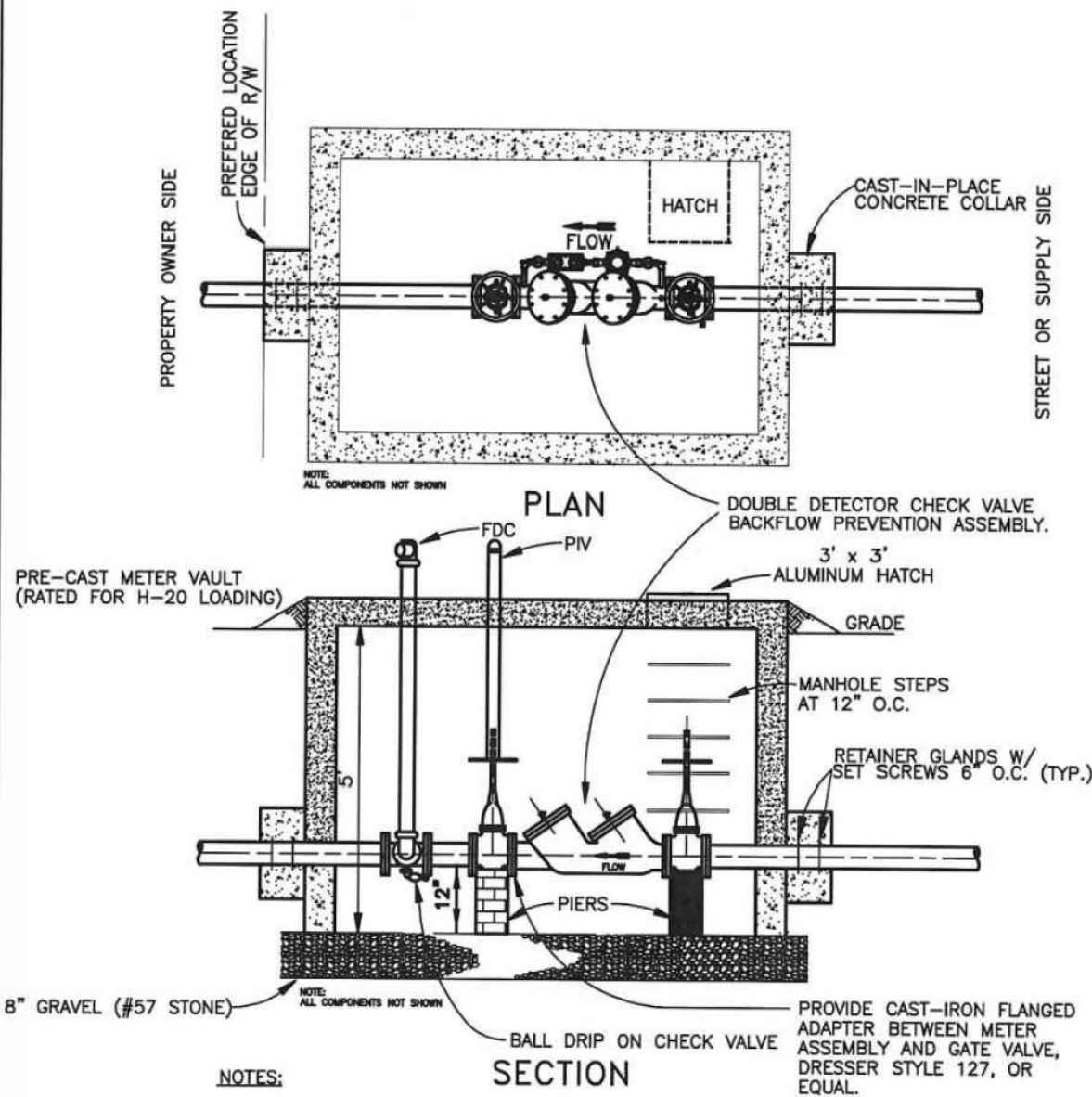
CITY OF COVINGTON
WATER SYSTEM DETAIL
ISOLATION GATE
VALVE

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CITY OF COVINGTON
WATER SYSTEM DETAIL
BEDDING CLASSES

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NOTES:

- BOXES EXCEEDING 5' IN DEPTH MUST BE APPROVED BY THE CITY.
- WHEN METER BOX CANNOT BE LOCATED ENTIRELY ON R/W, A PERMANENT EASEMENT SHALL BE OBTAINED TO PREVENT FENCES OR OTHER OBSTRUCTION FROM BEING ERECTED AROUND THE METER BOX.
- COVER OPENING & STEPS TO BE PLACED NEAREST THE METER REGISTER.
- THESE BOXES ARE NOT TO BE INSTALLED IN TRAFFIC AREAS WITHOUT PRIOR PERMISSION FROM THE CITY.
- ALL VALVES AND FITTINGS INSIDE THE VAULT SHALL BE FLANGED.
- REDUCED PRESSURE DETECTOR ASSEMBLY REQUIRED WHEN THE DANGER FROM BACKFLOW PRESENTS A HEALTH HAZARD.

CITY OF COVINGTON
CROSS-CONNECTION
CONTROL PROGRAM

DOUBLE
DETECTOR CHECK
VALVE IN VAULT
CONSTRUCTION STANDARD

ORIGINAL: FEB. 1996
REVISED: APR. 2006
APPROVED:
STANDARD NO. 06

CREATIVE
LICENSE

DATE TITLE

PROJECT NUMBER:
26-002

1167 PACE ST. - PHASE I

1167 PACE ST, COVINGTON, GA



RELEASED FOR
CONSTRUCTION

VAULT
DETAILS

A006