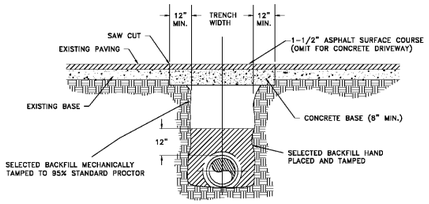
REVISIONS			
REV	DESCRIPTION	Date	APPROVED



PAULDING COUNTY, GEORGIA
DEPARTMENT OF WATER, SEWER, & ENVIRONMENTAL SERVICES
TELEPHONE (770) 445-7466
FAX (770) 443-9066

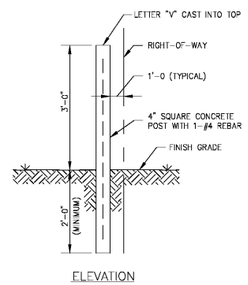
WATER & SEWER DETAILS
ROADWAY AND DRIVEWAY PATCH

SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W&S-03	REV

REVISIONS			
REV	DESCRIPTION	Date	APPROVED

NOTES

1. PLACE MARKER IN A PROTECTED LOCATION AT EDGE OF RIGHT-OF-WAY.
2. MARKER NOT REQUIRED FOR VALVES AT FIRE HYDRANTS.



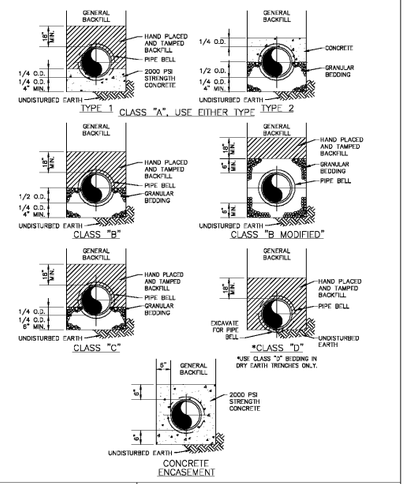
ELEVATION

PAULDING COUNTY, GEORGIA
DEPARTMENT OF WATER, SEWER, & ENVIRONMENTAL SERVICES
TELEPHONE (770) 445-7466
FAX (770) 443-9066

WATER DETAILS
VALVE MARKER

SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W-07	REV

REVISIONS			
REV	DESCRIPTION	Date	APPROVED



PAULDING COUNTY, GEORGIA
DEPARTMENT OF WATER, SEWER, & ENVIRONMENTAL SERVICES
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FAX (770) 443-9066

WATER & SEWER DETAILS
PIPE BEDDING

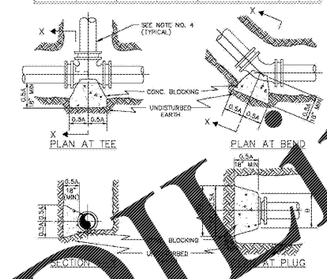
SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W&S-01	REV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. USE READY MIX CONCRETE WITH 3,000 PSI STRENGTH @ 28 DAYS.
2. PLACE CONCRETE BEARING SURFACES AGAINST UNDISTURBED EARTH.
3. PLACE CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.
4. PROVIDE 6" SECTION OF DIP ON EACH SIDE OF BEND.

PIPE SIZE DIAMETER	90° BEND A	45° BEND A	22.5° BEND A	11.25° BEND A	TEES A	TEES B	PLUGS A	PLUGS B
4"	16"	12"	10"	10"	12"	12"	12"	10"
6"	20"	16"	12"	12"	16"	16"	16"	12"
8"	30"	20"	15"	12"	24"	24"	24"	12"
10"	36"	26"	18"	14"	30"	30"	30"	14"
12"	40"	32"	20"	16"	36"	36"	36"	16"
14"	48"	36"	25"	18"	42"	42"	42"	18"
16"	54"	42"	30"	20"	48"	48"	48"	22"



PAULDING COUNTY, GEORGIA
WATER AND SEWER SYSTEM
TELEPHONE (678) 224-4086
FAX (678) 224-4486

TYPICAL WATER, REUSE WATER & SEWER DETAIL
THRUST BLOCKING

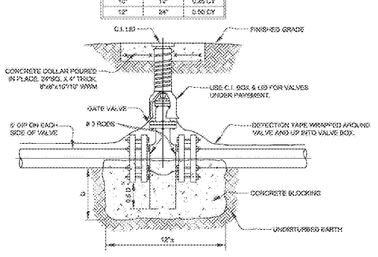
SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W&S-02	REV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. ALL GATE VALVES 3-INCHES AND LARGER SHALL BE RESILIENT SEAT WEDGE TYPE AND SHALL BE MANUFACTURED BY MUELLER OR M&H VALVE.
2. ALL GATE VALVES 3 1/2 INCHES IN DIAMETER AND SMALLER SHALL BE BRONZE, HEAVY DUTY, RISING STEM RATED FOR 200 PSI WSP AND 500 PSI EQUAL TO CRANE 428.
3. USE READY-MIX CONCRETE WITH 3,000 PSI STRENGTH @ 28 DAYS.
4. PLACE CONCRETE BEARING SURFACES AGAINST UNDISTURBED EARTH.
5. PLACE CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.

VALVE SIZE	DEPTH "D"	VOLUME
4"	9"	0.12 CY
6"	9"	0.19 CY
8"	9"	0.19 CY
10"	12"	0.25 CY
12"	24"	0.50 CY



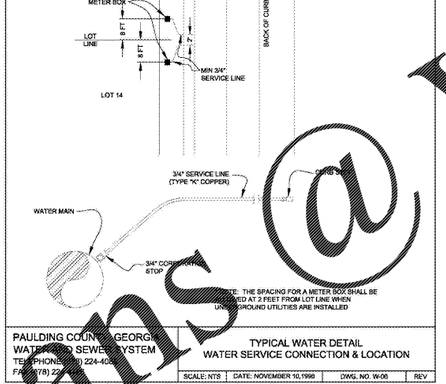
SECTION

PAULDING COUNTY, GEORGIA
WATER AND SEWER SYSTEM
TELEPHONE (678) 224-4086
FAX (678) 224-4486

TYPICAL WATER DETAIL
GATE VALVE

SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W-01	REV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



NOTE: THE SPACING FOR A METER BOX SHALL BE ADJUSTED AT 2 FEET FROM LOT LINE WHEN UNDERGROUND UTILITIES ARE INSTALLED

PAULDING COUNTY, GEORGIA
WATER AND SEWER SYSTEM
TELEPHONE (678) 224-4086
FAX (678) 224-4486

TYPICAL WATER DETAIL
WATER SERVICE CONNECTION & LOCATION

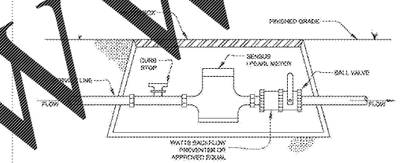
SCALE: NTS	DATE: NOVEMBER 10,1998	DWG. NO. W-05	REV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTE:

FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED [illegible] METER BOX MUST BE FLUSH WITH GRADE. MATERIALS AS NOTED [illegible] EQUAL.

CONTACT [illegible] FOR SIZES 4" AND LARGER, A 5/8"X3/4" MANUAL METER IS REQUIRED. FOR SIZES 1" AND SMALLER, A SENSUS 400 SERIES METER IS REQUIRED. FOR METER DETAILS ON SIZES 1" AND SMALLER, CONTACT PAVING ENGINEERING DIVISION.



PAULDING COUNTY, GEORGIA
WATER AND SEWER SYSTEM
TELEPHONE (678) 222-6850
FAX (678) 224-4486

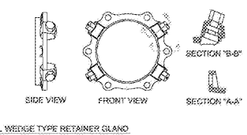
TYPICAL WATER DETAIL
METER AND BACKFLOW PREVENTER

SCALE: NTS	DATE: NOVEMBER 10,2014	DWG. NO. W-06	REV

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOMINAL PIPE SIZE	WEDGES QUANTITY	BOLTS QUANTITY	PRESS RATING
4"	4	4	350
6"	6	6	350
8"	8	8	350
10"	10	10	350
12"	6	6	350
14"	10	10	350
16"	12	12	350
18"	12	12	350
20"	14	14	350
24"	16	16	350

"6" SIZE SHOWN



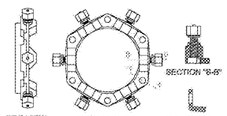
TYPICAL WEDGE TYPE RETAINER GLAND

MEGALUG SERIES 2000PV MECHANICAL JOINT

NOMINAL PIPE SIZE	WEDGES QUANTITY	BOLTS QUANTITY	PRESS RATING
4"	4	4	***
6"	6	6	***
8"	8	8	***
10"	8	8	***
12"	8	8	***
14"	10	10	***
16"	12	12	***
18"	12	12	***
20"	14	14	***
24"	16	16	***

8" SIZE SHOWN

***PRESSURE RATING DETERMINED BY PVC CLASS REFER TO MANUFACTURER SPECIFICATIONS.



NOTES:

1. RETAINER GLAND SHALL BE EITHER A SET SCREW OR WEDGE TYPE.
2. SET SCREW TYPE SHALL BE ADIPCO, EBAA IRON, UNION FOUNDRY OR TYLER. COMPACTA/KNUCKLE/HIT RETAINER GLANDS SHALL NOT BE ALLOWED.
3. WEDGE TYPE SHALL BE MEGALUG, SERIES 1100 AS MANUFACTURED BY EBAA IRON, INC.

PAULDING COUNTY, GEORGIA
WATER AND SEWER SYSTEM
TELEPHONE (678) 224-4086
FAX (678) 224-4486

TYPICAL WATER, REUSE WATER & SEWER DETAIL
RETAINER GLAND

SCALE: NTS	DATE: REVISED NOV 15, 2011	DWG. NO. W&S-XX	REV

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BYA
Bynum & Associates
ARCHITECTS
5955 Shiloh Road East, Suite 200
Alpharetta, Georgia 30005 | (678) 585-4508

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 25080 ROBERT A. McCANN
8/8/18

HGA
HAINES GIBSON & ASSOCIATES
CONSULTING ENGINEERS
WATER & WASTEWATER SERVICES
3960 MARIETTA HIGHWAY, SUITE 100
CANTON, GEORGIA 30114
PHONE (770) 479-1900
FAX (770) 479-7990

NO.	DESCRIPTION	DATE

PAULDING COLLEGE & CAREER ACADEMY
4555 DALLAS ACWORTH HIGHWAY
DALLAS, GEORGIA 30132
(FACILITY CODE NO. 710-3952)

PAULDING COUNTY SCHOOLS

CONSTRUC-
TION
DETAILS

Date AUG 8, 2018
Project Number 17129

C5.1

HGA JOB No. 2018-186