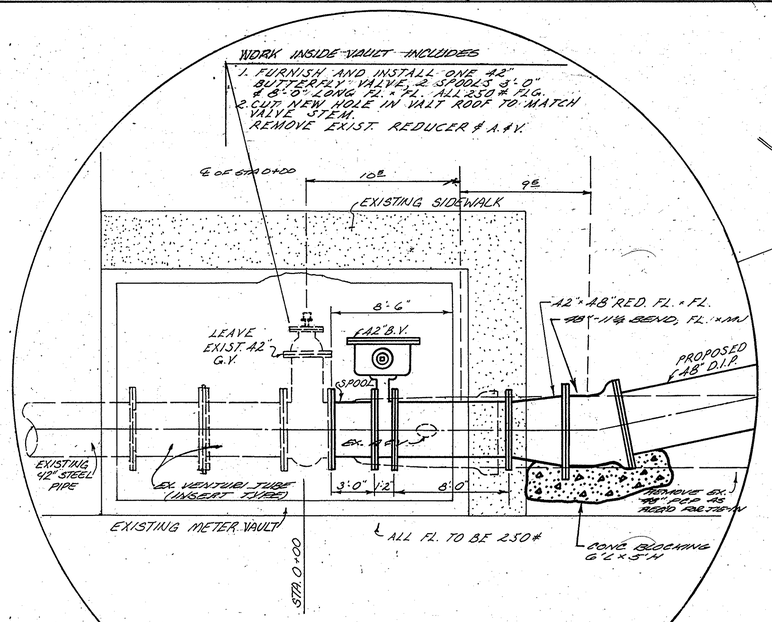
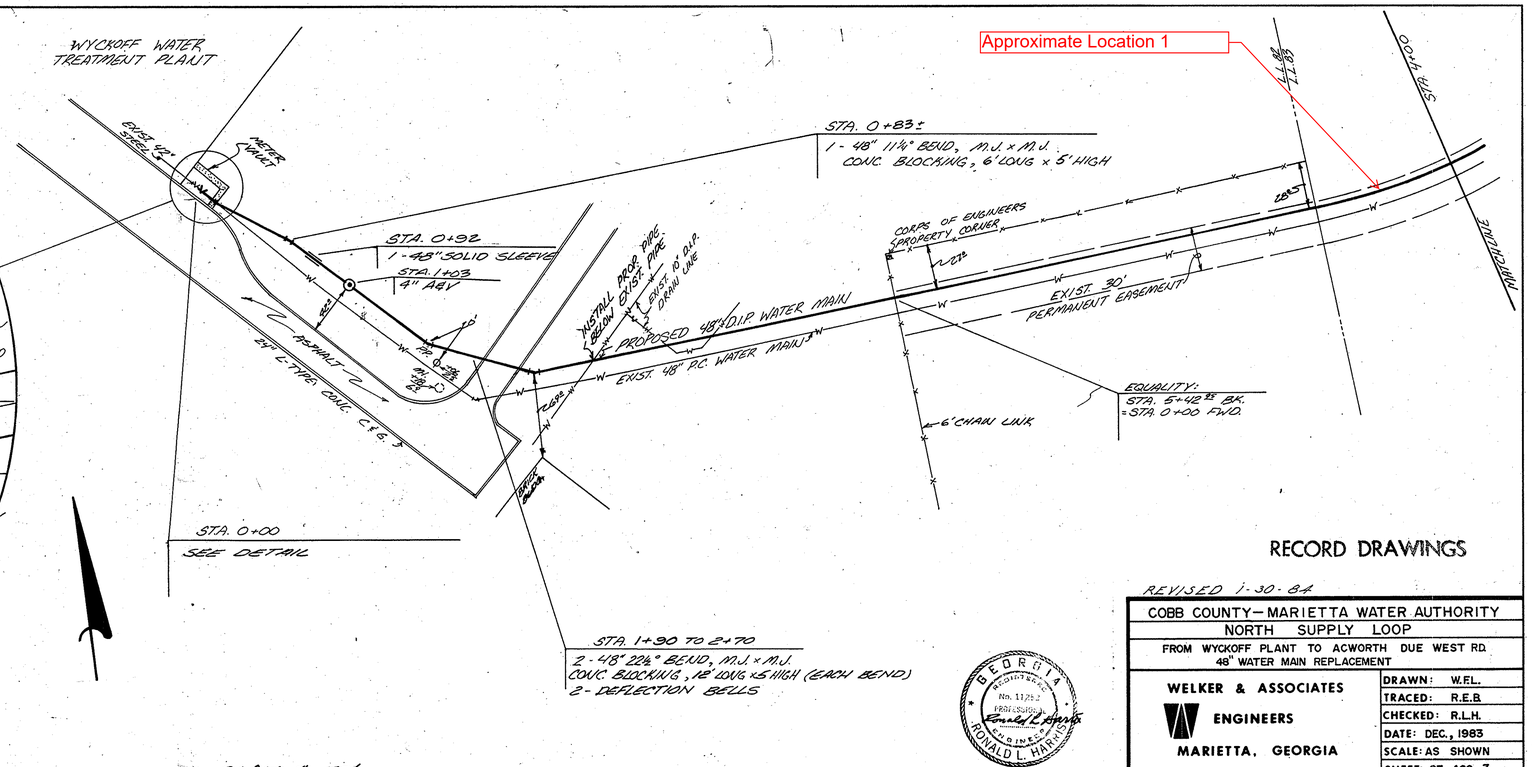
PLAN
REVISED
NOTED
NOTE BOOK
No.
ALIGNMENT CHECKED
PT. OF WAY CHECKED
BY
DATE

WORK INSIDE VAULT INCLUDES
1. FURNISH AND INSTALL ONE 42" BUTTERFLY VALVE, 2 SPOOLS 3'-0" & 8'-0" LONG FL. x FL. ALL 250# FLG.
2. CUT NEW HOLE IN VAULT ROOF TO MATCH VALVE SYSTEM.
REMOVE EXIST. REDUCER & A.V.V.



METER VAULT DETAIL
(PLAN VIEW)

SCALE: 1"=5'



Approximate Location 1

RECORD DRAWINGS

REVISED 1-30-84

COBB COUNTY—MARIETTA WATER AUTHORITY
NORTH SUPPLY LOOP
FROM WYCKOFF PLANT TO ACWORTH DUE WEST RD.
48" WATER MAIN REPLACEMENT

WELKER & ASSOCIATES
ENGINEERS
MARIETTA, GEORGIA

DRAWN:	W.E.L.
TRACED:	R.E.B.
CHECKED:	R.L.H.
DATE:	DEC., 1983
SCALE:	AS SHOWN
SHEET:	83-460-3

GEORGIA REGISTERED No. 11282 PROFESSIONAL ENGINEER RONALD L. HARRIS

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No.
GRADES CHECKED
B. M.'S NOTED
STRUCTURE NOTATIONS CHECKED
BY
DATE

PLAN: 1"=50'
PROFILE: HOR. 1"=50'
VERT. 1"=10'

B.M. ELEV. = 891.18
TOP OF COVER OF CORPS OF ENGINEERS ID MARKER #G-26-3, 90'±L STA. 0+00

EXIST. GRADE
PROPOSED 48" D.I.P. WATER MAIN
EXIST. 48"
STA. 5+42.25 BK. = STA. 0+00 FWD.

900 890 880 870 860 850 840

0 1 2 3 4 5 0 1 2 3 4

PLATE 1 PLAN-PROFILE O. P.-R. & R. E. STANDARD

DIETZGEN CORPORATION

Location 2

STA. 8+40
1 - 48" x 6" SADDLE
1 - 6" G.V. & BOX (FL. x M.J.)
1 - 6" 45° BEND (FL. x FL.)
1 - VALVE MARKER
± 6" D.I.P. AS REQ'D
1 - 6" 45° BEND (MJ x MJ)

CORPS OF ENGINEERS

PROPOSED 48" D.I.P. WATER MAIN

EXIST. R/W

GEORGIA POWER

EXIST. 30' PERMANENT EASEMENT

EXIST. 48" PC. WATER MAIN

MATCH LINE STA. 7+00

MATCH LINE STA. 19+00

CORPS OF ENGINEERS

RECORD DRAWINGS

COBB COUNTY-MARIETTA WATER AUTHORITY
NORTH SUPPLY LOOP
FROM WYCKOFF PLANT TO ACWORTH DUE WEST RD.
48" WATER MAIN REPLACEMENT

WELKER & ASSOCIATES
ENGINEERS
MARIETTA, GEORGIA

DRAWN: W.F.L.
TRACED: R.E.B.
CHECKED: R.L.H.
DATE: DEC., 1983
SCALE: AS SHOWN
SHEET: 83-460-4

GEORGIA REGISTERED No. 11252 PROFESSIONAL ENGINEER RONALD L. HARRIS

PLAN: 1" = 50'
PROFILE: HOR. 1" = 50'
VERT. 1" = 10'

EXIST. GROUND

0.10% MIN. GRADE

PROPOSED 48" D.I.P. WATER MAIN

0.10% MIN. GRADE

PLATE 1 PLAN-PROFILE O. P. R. & R. E. STANDARD

DIETZGEN CORPORATION


STA. 20+57±
1-48" x 4" SADDLE
1-4" A.&V. VALVE ASSEMBLY
PAUL H. WEST
CHARLES L. DARNELL
LL 83
LL 84
GEORGIA POWER 100' R/W
PROPOSED 48" D.I.P. WATER MAIN
EXIST. 48" P.C. W.M.
EXIST. 30' PERMANENT EASEMENT
CORPS OF ENGINEERS
JACK AUSTIN
MATCH LINE
STA. 19+00
STA. 23+08
1-48" x 6" SADDLE
1-6" G.V. & BOX (FL. x M.J.)
1-6" 45° BEND (FL. x FL.)
1-VALVE MARKER
18-6" D.I.P. AS REQ'D.
1-6" 45° BEND (MJ x MJ)
Location 3
STA. 33+40 E.O.L.
EXIST. 48" G.V.
STA. 33+78
EXIST. 48" P.C. W.M.
ACWORTH DUE WEST ROAD
STA. 32+85
1-48" x 4" SADDLE
1-4" A.&V. VALVE ASSEMBLY
EXISTING
STA. 32+00
1-48" SOLID SLEEVE
REMOVE AND REPLACE TO HERE
BELL BOLT JT. (TYP.)
8" VALVE W/ BL. FL.
CONC. THRUST COLLAR
48" P.C.P.
20" G.V.
20" ADAPTER FL. x L.J. BELL
FL. x L.J. SPIGOT ADAPTER
PROPOSED
2' SPOOL FL. x FL.
48" B.V.
48" FL. x P.E.
48" x 48" x 20" TEE
48" FL. x FL.
B.B. JOINTS
CONN. TO EXIST. 48"
20" B.V. & BOX
20" SOLID SLEEVE
REUSE EX. 20" ADAPTER
EX. 20" P.C.P.
RECORD DRAWINGS
REVISED 2-1-84
COBB COUNTY - MARIETTA WATER AUTHORITY
NORTH SUPPLY LOOP
FROM WYCKOFF PLANT TO ACWORTH DUE WEST RD.
48" WATER MAIN REPLACEMENT
WELKER & ASSOCIATES
ENGINEERS
MARIETTA, GEORGIA
DRAWN: W.F.L.
TRACED: R.E.B.
CHECKED: R.L.H.
DATE: DEC., 1983
SCALE: AS SHOWN
SHEET: 83-460-5
GEORGIA
REGISTERED
No. 11252
PROFESSIONAL
ENGINEER
RONALD L. HARRIS
PLAN: 1" = 50'
EXIST. GROUND
PROPOSED 48" D.I.P. WATER MAIN
EXIST. 48" P.C. W.M.
930
920
910
900
890
880
870
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
PLAN
NOTE BOOK
No.
PROFILE
PLATE 7. PLAN-PROFILE
DIETZGEN CORPORATION

Location 4

N/F HARRY A. OAKS JR.

GA. POWER MONUMENT

GAS REGULATOR

GRAVEL

ACWORTH DUE WEST ROAD

R/W

P.P.

T.M.

V.M.

W.M.

A&V MH

VALVE

MH

I.P.F.

WOODS LINE

CEMETERY

35+00

NOW OR FORMERLY MATT H. & MELISSA NELSON

CADDIE DRIVE

STA. 38+50
1 - 8" BLOW-OFF ASSEMBLY

40+00

NOW OR FORMERLY JAMES J. & JOANNE MCGUIRE

30' PERMANENT WATERLINE EASEMENT

48" D.I.P. WATER MAIN

82'

91'

46'

38'

48" D.I.P. WATER MAIN

CONCRETE

DITCH

ABANDONED 48" PCCP WATERLINE

30' PERMANENT WATERLINE EASEMENT

POWER BOX

WOODS LINE

TENNIS COURTS

IN GROUND POOL

CONC. PARKING

NOW OR FORMERLY HARWELL HOMES BLDR., INC.

NOW OR FORMERLY HARWELL HOMES BLDR., INC.

NOW OR FORMERLY JIMMY N. STANTON

NOW OR FORMERLY BOBBY E. & BRENDA S. LANDERS

CLEANOUT

4' CHAIN LINK FENCE

116'

117'

NOW OR FORMERLY WAYNE G. & LINDA J. PRUITT

STA. 34+20
1-4" A&V VALVE ASSEMBLY

STA. 41+57
1 - 4" A&V VALVE ASSEMBLY

NOW OR FORMERLY BRIAN & LEANNE BING

NOW OR FORMERLY MARSHALL D. CLAY

LAUREL DRIVE

50' R/W

45+00 LINE

MATCH STA.

NOW OR FORMERLY NICK & JENNY MARTIN

NOW OR FORMERLY LEONARD LESTER, JR., & MARY ELLEN LESTER

6' WOOD FENCE

SCALE: 1"=50'

PLAN

PROFILE
SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

STA. 34+20
4" A & V

STA. 38+50
8" BLOWOFF

STA. 41+57
4" A & V

48" D.I.P WATER MAIN CLASS 51

EX. GROUND @ SURVEY

930
920
910
900
890
880
870
860

34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00

921.32 919.74 918.17 916.61 915.04 910.73 906.42 901.27 896.16 893.96 891.89 895.45 899.05 904.14 908.97 907.77 906.54 904.61 902.86 904.29 905.55 903.65 901.74

RECORD DRAWINGS

COBB COUNTY-MARIETTA WATER AUTHORITY
ACWORTH DUE WEST ROAD TO LAUREL DRIVE
48" WATER MAIN REPLACEMENT

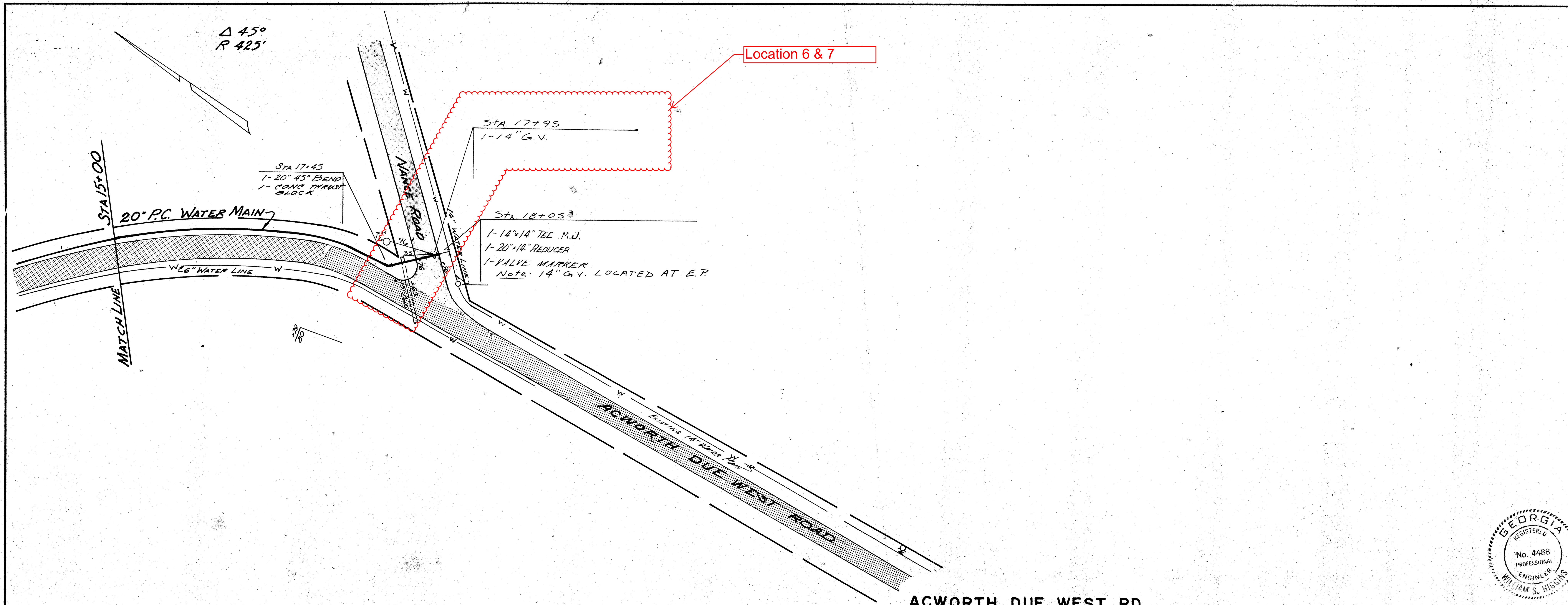
STA. 34+00 TO STA. 45+00

GEORGIA REGISTERED No. 11252 PROFESSIONAL ENGINEER RONALD L. HARRIS

DRAWN: B.C.J.	DATE: APRIL 1996
DESIGNED: H.A.A.	SCALE: AS SHOWN
CHECKED: R.L.H.	JOB NO: 93-420
APPROVED: R.L.H.	SHEET: 03

Welker & Associates, Inc.
Engineers Since 1945
445 Manget Street
Marietta, Georgia 30060
Phone: (770) 422-1902

Location 4
Lcation 5
GEORGIA POWER COMPANY R/W
STA 0+00 ACWORTH DUE WEST ROAD = STA 33+35 NORTH COBB SUPPLY LOOP
CONN TO EXIST 20" GATE VALVE
5+00
10+00
STA 7+92
1-6" AIR & VACUUM RELIEF VALVE ASSEMBLY
Δ-38° LT
R-600'
MATCH LINE
STA 15+00
ACWORTH DUE WEST RD.
20" P.C. WATER MAIN
20' ASPH. PAV'M'T.
48" P.C. WATER SEE SHEET #21
AS BUILT
COBB COUNTY MARIETTA WATER AUTHORITY
NORTH SUPPLY LOOP
ACWORTH DUE WEST RD.
STA. 0+00 TO STA. 15+00
WELKER & ASSOCIATES ENGINEERS
MARIETTA, GEORGIA
DRAWN BY: DEH
TRACED BY: THC
DATE: DEC. 1973
SCALE: 1" = 50'
SHEET: C.C.M.W.A. 468A-24
GEORGIA REGISTERED No. 4488 PROFESSIONAL ENGINEER WILLIAM S. HIGGINS
PLAN
PROFILE
B.M.: NAIL IN PP S.W. INT. ACWORTH DUE WEST RD. & GA. POWER LINE ELEV. 929.18
CLASS 250
950
940
930
920
A
B
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
ACWORTH DUE WEST RD.



AS BUILT

COBB COUNTY MARIETTA WATER AUTHORITY

NORTH SUPPLY LOOP

ACWORTH DUE WEST RD.
STA. 15+00 TO STA. 18+05.30

WELKER & ASSOCIATES ENGINEERS
MARIETTA, GEORGIA

DRAWN BY: DEH
TRACED BY: THC
DATE: DEC. 1973
SCALE: 1" = 50'
SHEET: C.C.M.W.A. 468 A-25

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 4488 WILLIAM S. HIGGINS

ACWORTH DUE WEST RD.

Location 8

STA. 18+45 (BLOW-OFF)
1-6" FL. OUTLET (TAPPING SADDLE)
1-6" G.V. & BOX (FL x MJ)
6" D.I.P. AS REQ'D
1-VALVE MARKER
1-MJ x DE 90° BEND
2-6" RETAINER GLAND
12'-6" D.I.P.

PROPOSED 36" WATER MAIN
(CLASS 51 D.I.P.) WITH POLYETHYLENE WRAP

LINE 15+00

MATCH STA.

ACWORTH DUE WEST ROAD

PROPOSED 8" STEEL GAS MAIN

3 BOARD FENCE

3 BOARD FENCE

EXIST. 14" D.I.P. WATER MAIN

3 STD. B.W.

SURVEY LINE 15±6' WEST OF PAVEMENT

STA. 28+23
1-36", 22½° BEND, M.J. x M.J.

CONC. BLOCKING, 6' LONG x 4' HIGH

Location 6 & 7

6" A.C. WATER MAIN

EXIST. 2" STEEL GAS MAIN

EXIST. 20" P.C. WATER MAIN

10' CONSTRUCTION EASEMENT

LINE 30+00

EASEMENT #1
RECORDED DEED BOOK 3683 PAGE 471 COBB COUNTY GA.

MARY M. DAVIS CARR

STA. 28+62
1-36", 11¼° BEND, M.J. x M.J.
CONC. BLOCKING, 4' LONG x 4' HIGH

STA. 28+34
4" AIR RELEASE VALVE IN M.H.
1-4" A.R.V. VALVE ASSEMBLY

NANCE RD.

EXIST. 14" D.I.P. WATER MAIN

STA. 27+33

RECORD DRAWINGS

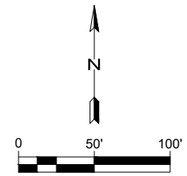
COBB COUNTY-MARIETTA WATER AUTHORITY	
ACWORTH- DUE WEST ROAD	
36" WATER MAIN	
WELKER & ASSOCIATES ENGINEERS MARIETTA, GEORGIA	DRAWN: R.A.G
	TRACED: R.A.G
	CHECKED: R.L.H
	DATE: JULY, 1985
	SCALE: AS NOTED
	SHEET: 85-406-4

GEORGIA REGISTERED No. 11252 PROFESSIONAL ENGINEER RONALD L. HARRIS

PLAN: 1"=50'
PROFILE: HOR. 1"=50'
VERT. 1"=10'

PROPOSED 36" D.I.P. WATER MAIN

PLATE 1 PLAN - PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK



NOTES:

1. CONTRACTOR SHALL INSTALL RIP RAP ALONG ENTIRE WIDTH OF THE EXISTING CHANNEL FOR THE LENGTH WITHIN THE 30' PERMANENT EASEMENT. RIP RAP SHALL BE INSTALLED SUCH THAT IT DOES NOT DAM THE FLOW IN THE CHANNEL. CONTRACTOR SHALL RE-GRADE CHANNEL BANKS AS REQUIRED FOR PROPER RIP RAP PLACEMENT. EXISTING JOINT OF DUCTILE IRON PIPE LYING IN THE CHANNEL SHALL BE REMOVED AND DISPOSED OF IN A LEGAL MANNER.
2. ALL NEW PIPE/FITTINGS ARE ZINC COATED AND DOUBLE POLY-WRAPPED WITH BLACK 8-MIL OUTER LAYER AND WHITE 4-MIL V-BIO INNER LAYER.
3. EXISTING 48" DIP MAY HAVE DIFFERENT O.D. CONTRACTOR TO FIELD VERIFY PIPE O.D. PRIOR TO ORDERING MATERIALS.

ESI
ENGINEERING STRATEGIES, INC.

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

	REVISION	DATE
1		

DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

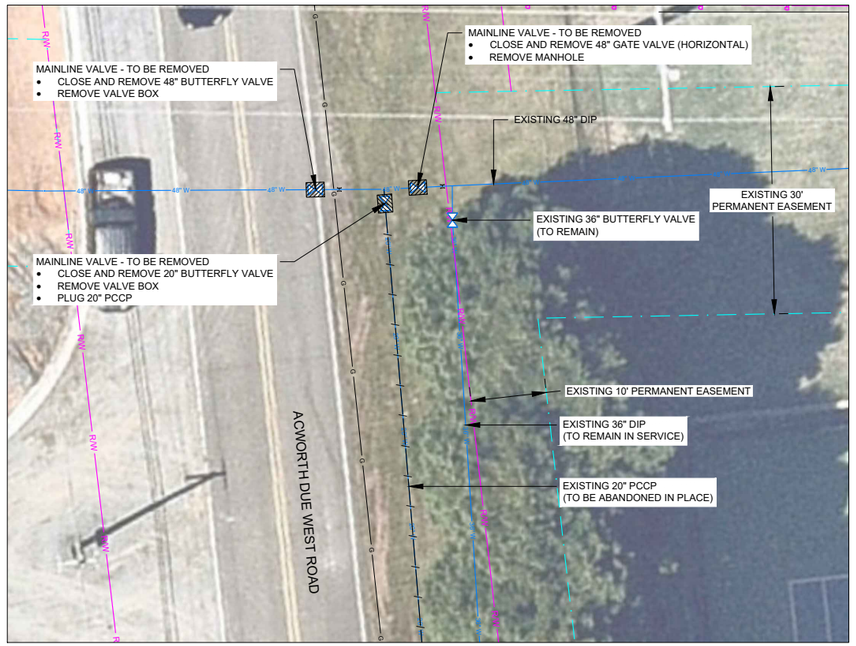
BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS

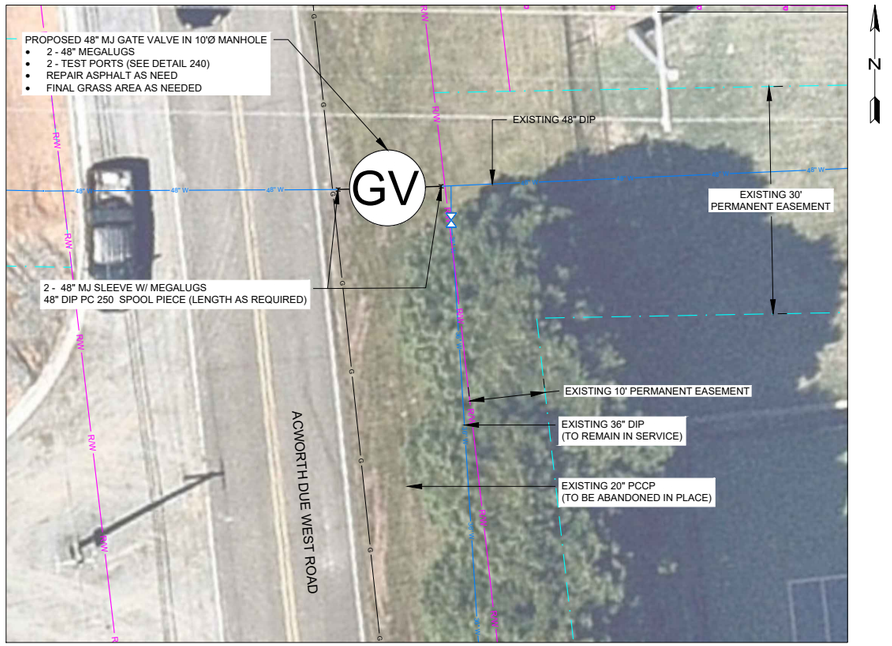
LOCATIONS 1, 2 AND 3

L:\CCMWA\2021 Blow-off Replacements\Dwg\Sheets\CS-BOR Locations.dwg - 10/20/2020 8:53 AM BY: JFLECK



LOCATION No. 4 (EXISTING)

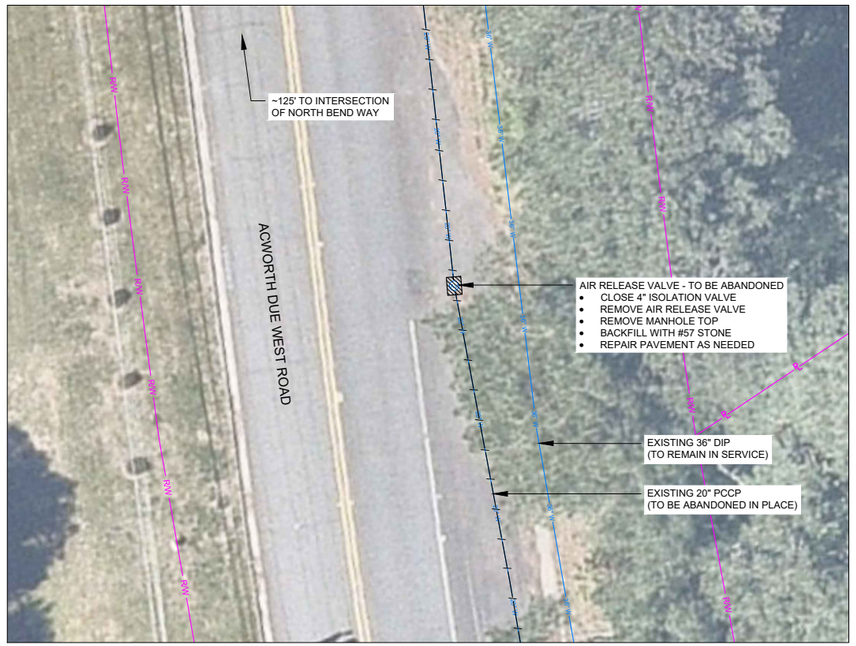
1" = 10'



LOCATION No. 4 (PROPOSED)

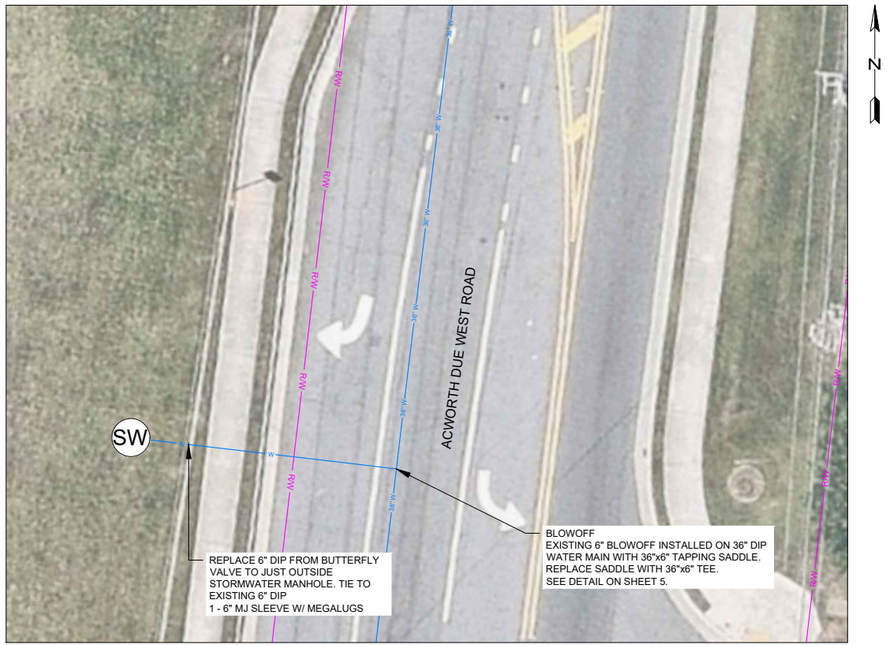
1" = 10'

NOTES:
1. ALL NEW PIPE/FITTINGS ARE ZINC COATED AND DOUBLE POLY-WRAPPED WITH BLACK 8-MIL OUTER LAYER AND WHITE 4-MIL V-BIO INNER LAYER.



LOCATION No. 5

1" = 10'



LOCATION No. 8

1" = 10'

ESI
ENGINEERING STRATEGIES, INC.

L:\COMWA\2021 Blow-off Replacements\Dwg\Sheets\CS-BOR Locations.dwg - 10/20/2020 8:53 AM BY: JFLECK

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

REVISION	DATE
△	

DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS

LOCATIONS 3, 4, 6, AND 9

ACWORTH DUE WEST ROAD
(50' R/W)

NANCE ROAD
(50' R/W)

EXISTING 36" DIP PC 250
(TO REMAIN IN SERVICE)

EXISTING 20" PCCP
(TO BE ABANDONED IN PLACE)

EXISTING 6" DIP - CCWS
(TO REMAIN IN SERVICE)

ABANDONED 6" AC - CCWS

LOCATION No. 7 NEW 12" OUTLET TO CCWS
1 - 36"x12" MJ TEE W/ MEGALUGS
1 - 36" DIP PE SPOOL PIECE (2'-0" LONG)
1 - 36" SOLID SLEEVE W/ MEGALUGS
1 - 12" MJ GATE VALVE W/ MEGALUGS (NOTE 6)
1 - 12" DIP (LENGTH AS REQUIRED)
1 - 12"x6" MJ REDUCER
1 - 6" DIP (LENGTH AS REQUIRED)
1 - 6" MJ BENDS W/ MEGALUGS (AS REQUIRED)

1 - CONNECT TO CCWS EXISTING 6" DIP
1 - 6" MJ TEE W/ MEGALUGS
1 - 6" PE SPOOL PIECE
1 - 6" SOLID SLEEVE W/ MEGALUGS
1 - 6" MJ GATE VALVE W/ MEGALUGS AND VALVE BOX
1 - VALVE MARKER

GUARD RAIL
(CONTRACTOR TO REMOVE
AND REINSTALL AS REQUIRED)

EXISTING 14" DIP - CCWS
(TO REMAIN IN SERVICE)

LOCATION No. 6 - OUTLET VALVE
- CLOSE 14" GATE VALVE
- REMOVE VALVE BOX
- CUT AND PLUG BOTH EXPOSED ENDS OF PCCP
- REPAIR PAVEMENT AS NEEDED

N/F
MASON JOE G & GWENDOLYN
20010702930

N/F
WARE JOSHUA & ELENI
20010700120

ACWORTH DUE WEST ROAD
(50' R/W)

N

0 10' 20'

NOTES:
1. ALL NEW PIPE/FITTINGS ARE ZINC COATED AND DOUBLE POLY-WRAPPED WITH BLACK 8-MIL OUTER LAYER AND WHITE 4-MIL V-BIO INNER LAYER.
2. ALL NEW PIPE/FITTINGS SHALL BE INSTALLED USING TYPE 5 BEDDING.
3. NEW CONNECTION BETWEEN CCMWA 36" DIP AND CCWS 6" DIP ARE SHOWN CONCEPTUALLY. CONTRACTOR SHALL ADJUST THE LAYOUT AS REQUIRED PER FIELD CONDITIONS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH COBB EMC SHOULD THE POWER POLE GUY WIRES NEED TO BE TEMPORARILY REMOVED OR SUPPORTED FOR CONSTRUCTION OF PROPOSED WATER MAIN CONNECTIONS.
5. SHOULD THE ABANDONED 6" AC PIPE BE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL MAKE EVER EFFORT NOT TO BREAK THE PIPE AND SHALL REMOVE AND DISPOSE OF IT IN A LEGAL AND PROPER MANNER.
6. 12" GATE VALVE SHALL BE INSTALLED IN 4' Ø MANHOLE WITH A FLAT TOP AND A 30" FRAME AND COVER. RIM SHALL BE FLUSH WITH EXISTING GRADE.

ESI
ENGINEERING STRATEGIES, INC.

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

	REVISION	DATE
1		

DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

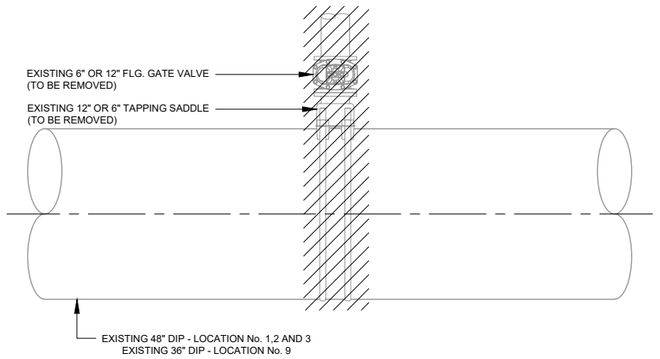
0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS

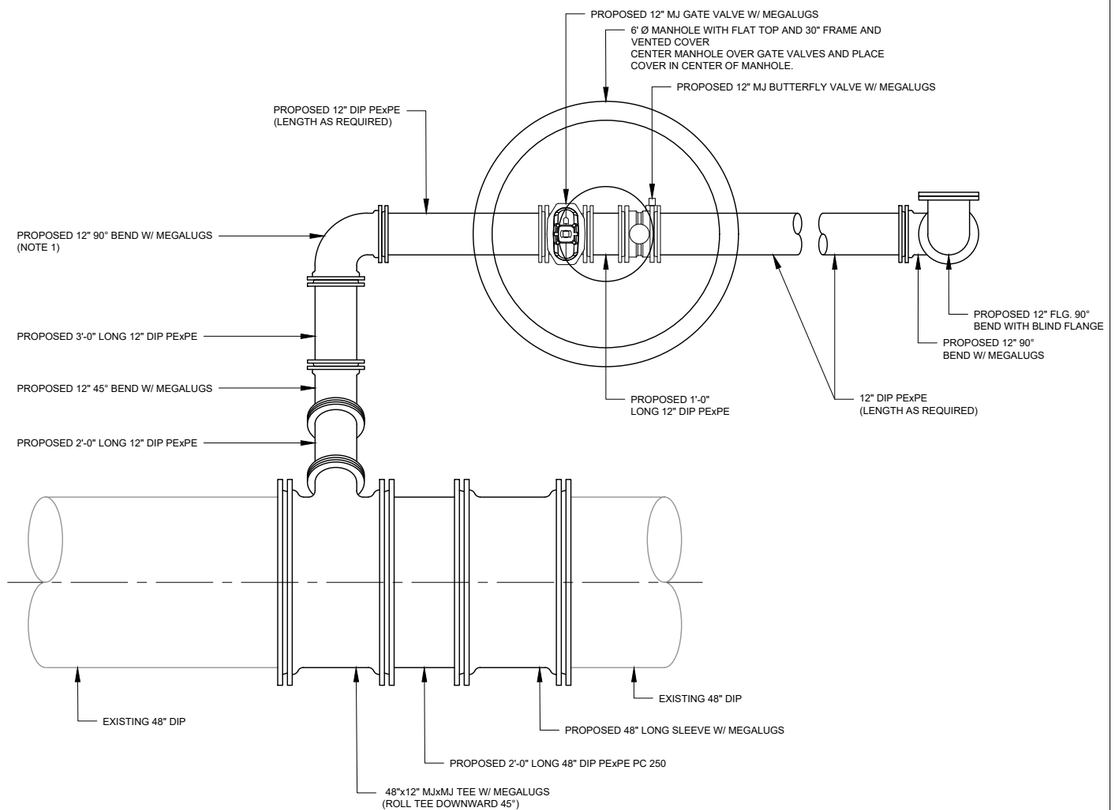
LOCATIONS 7 AND 8

L:\CCMWA\2021 Blow-off Replacements\Dwg\Sheets\CS-BOR Locations.dwg - 10/20/2020 8:53 AM BY: JFLECK

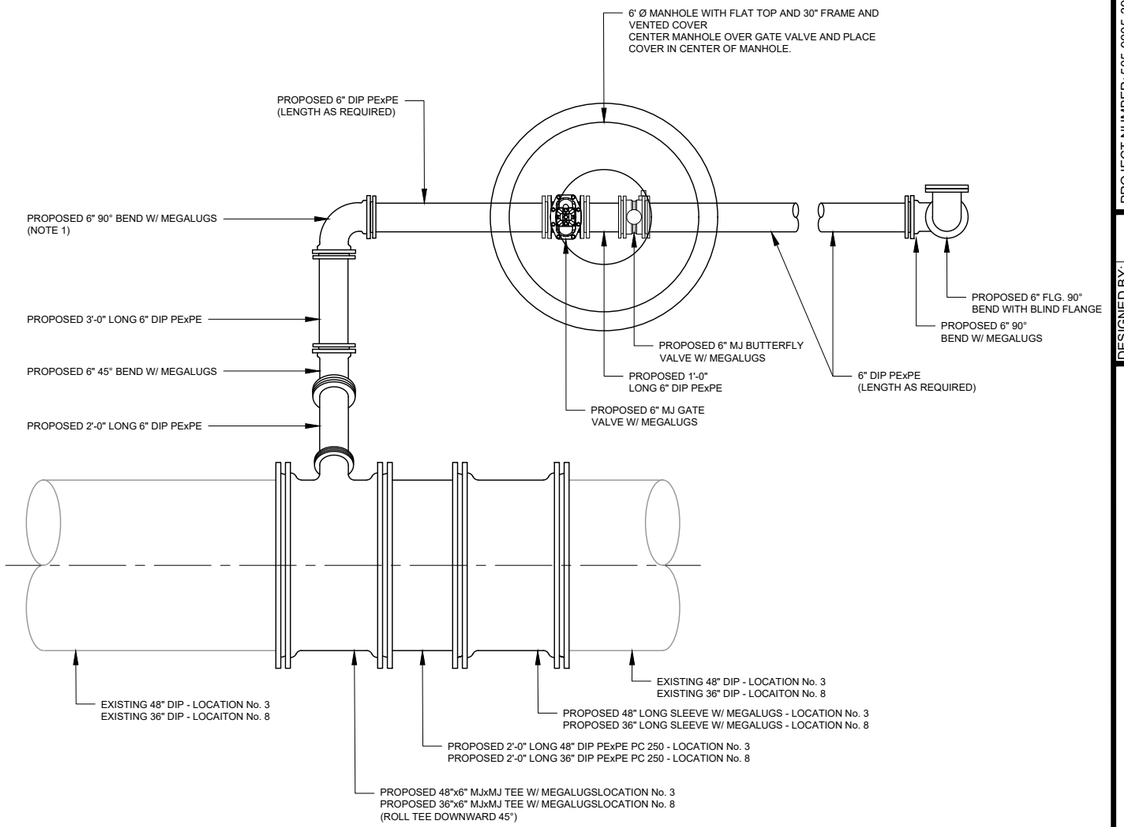
NOTES:
1. 90° BEND USED ONLY WHERE EXISTING UTILITIES OR SPACE DOES NOT ALLOW PIPING STRAIGHT OUT FROM 48" OR 36" TEE.
2. ALL NEW PIPE/FITTINGS ARE ZINC COATED AND DOUBLE POLY-WRAPPED WITH BLACK 8-MIL OUTER LAYER AND WHITE 4-MIL V-BIO INNER LAYER.



EXISTING LAYOUT - LOCATION Nos. 1, 2, 3 AND 8



LOCATIONS 1 AND 2



LOCATIONS 3 AND 8

BLOW-OFF REPLACEMENT DETAIL 1
SCALE: 1/2" = 1'-0"

ESI
ENGINEERING STRATEGIES, INC.

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DATE	REVISION

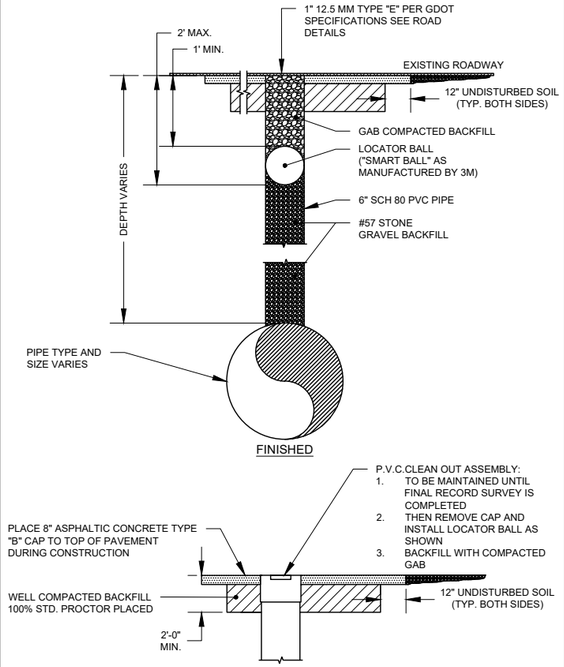
PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

DESIGNED BY:
DRAWN BY:
REVIEWED BY:

BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

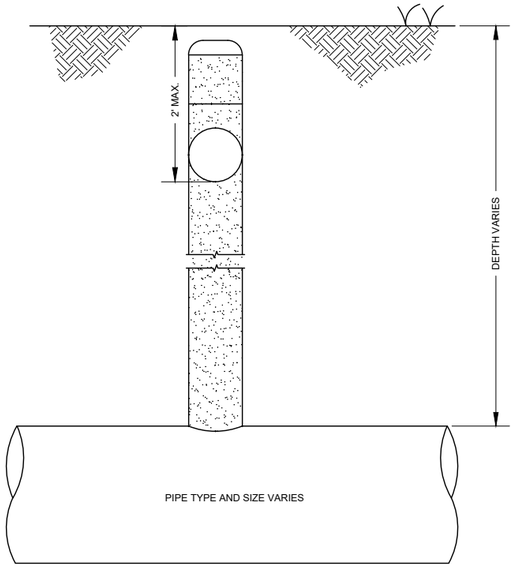
COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS
BLOW-OFF REPLACEMENT DETAIL



PVC AS-BUILT LOCATOR INSTALLATION DETAIL (IN PAVEMENT)

N.T.S.

110-A

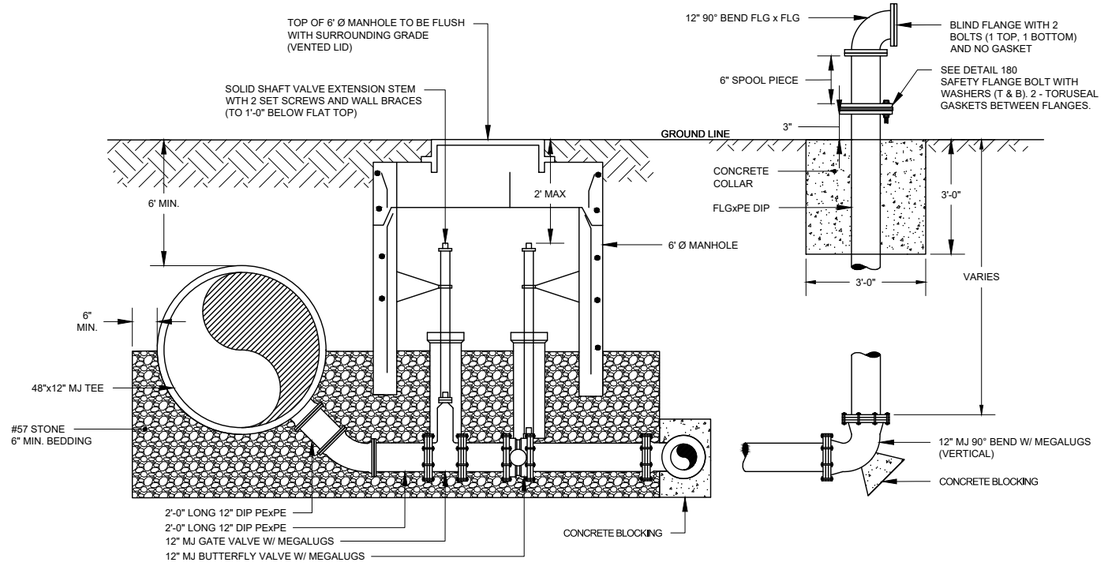


NOTE:
LOCATOR BALL TO BE PLACED AT ALL FITTINGS, CONNECTIONS TO EXISTING LINES, AND AT EVERY 3RD JOINT OF PIPE ON STRAIGHT RUNS.

PVC AS-BUILT LOCATOR INSTALLATION DETAIL (OUTSIDE OF PAVEMENT)

N.T.S.

110-B



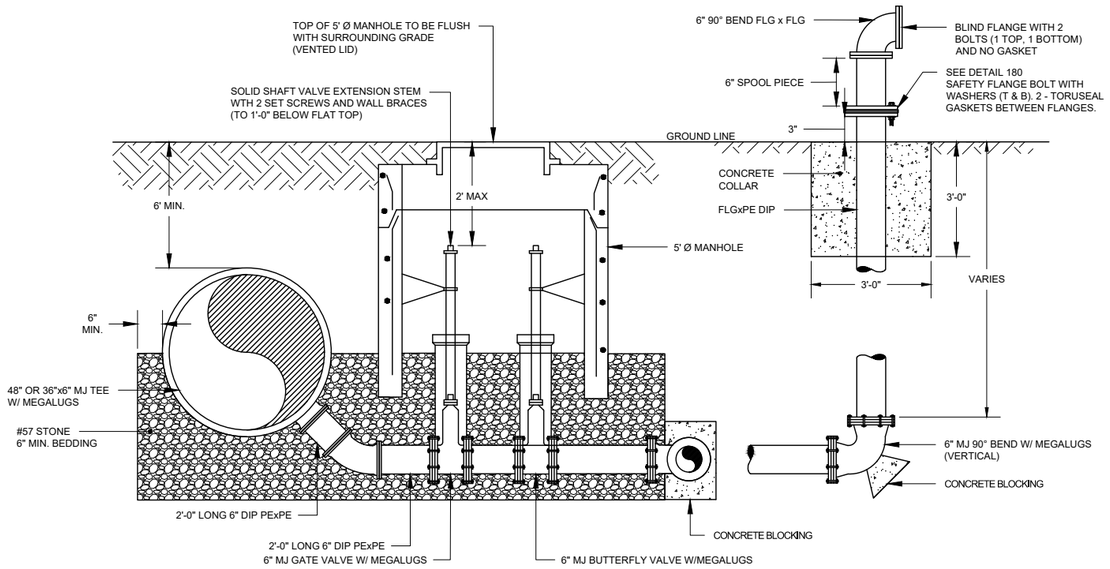
NOTES:

1. MEGALUGS TO BE USED WITH ALL MECHANICAL JOINT FITTINGS. PUSH-ON JOINTS TO BE RESTRAINED WITH FAST GRIP GASKETS.
2. TEES & BENDS SHALL BE MECHANICAL JOINT WITH MEGALUGS.
3. ALL BLOW-OFF PIPING SHALL BE DOUBLE POLY WRAPPED.

12" BLOW-OFF ABOVE GRADE INSTALLATION DETAIL

N.T.S.

120



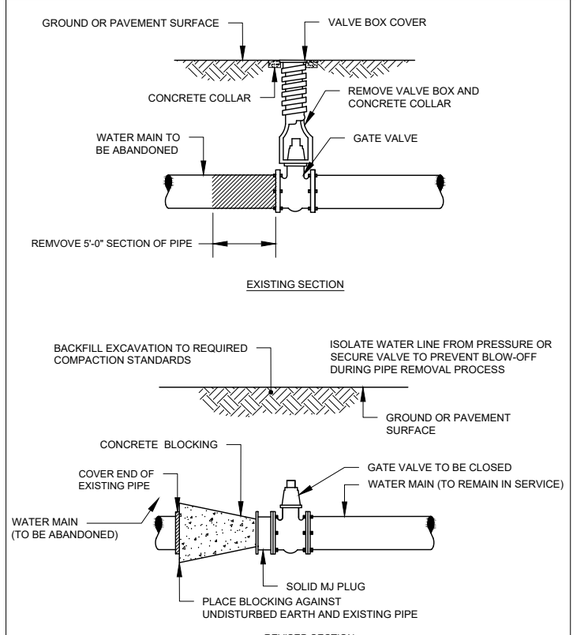
NOTES:

1. MEGALUGS TO BE USED WITH ALL MECHANICAL JOINT FITTINGS. PUSH-ON JOINTS TO BE RESTRAINED WITH FAST GRIP GASKETS.
2. TEES & BENDS SHALL BE MECHANICAL JOINT WITH MEGALUGS.
3. ALL BLOW-OFF PIPING SHALL BE DOUBLE POLY WRAPPED.

6" BLOW-OFF ABOVE GRADE INSTALLATION DETAIL

N.T.S.

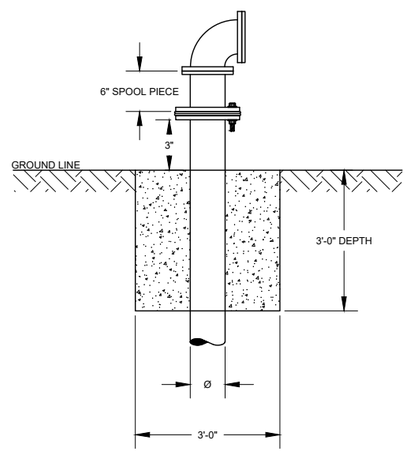
120



VALVE ABANDONMENT DETAIL

N.T.S.

150



NOTES:

1. SAFETY FLANGE BOLTS SHALL BE $\frac{3}{4}$" Ø GRADE 5 STEEL WITH MINIMUM TENSILE STRENGTH OF 120 KSI. BOLTS, NUTS, AND WASHERS SHALL BE ELECTRO ZINC PLATED. SAFETY FLANGE BOLTS AND ACCESSORIES SHALL BE MANUFACTURED BY BIRMINGHAM FASTENERS OR APPROVED EQUAL.
2. USE AMERICAN RED RUBBER FLAT GASKET (TORUSEAL) OR APPROVED EQUAL.

BLOW-OFF FITTING AND FLANGED FITTING DETAIL

N.T.S.

180

ESI
ENGINEERING STRATEGIES, INC.

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

REVISION	DATE

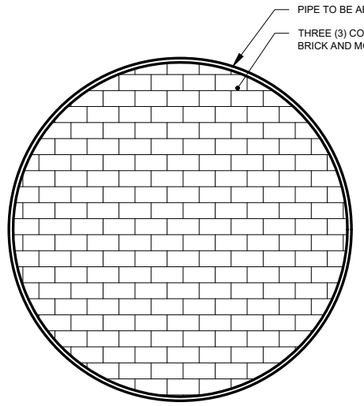
DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS
STANDARD DETAILS (1 OF 4)

L:\CCMWA\2021 Blow-off Replacements\Dwg\Sheets\GS-Details.dwg - 10/20/2020 8:53 AM BY: JFLECK

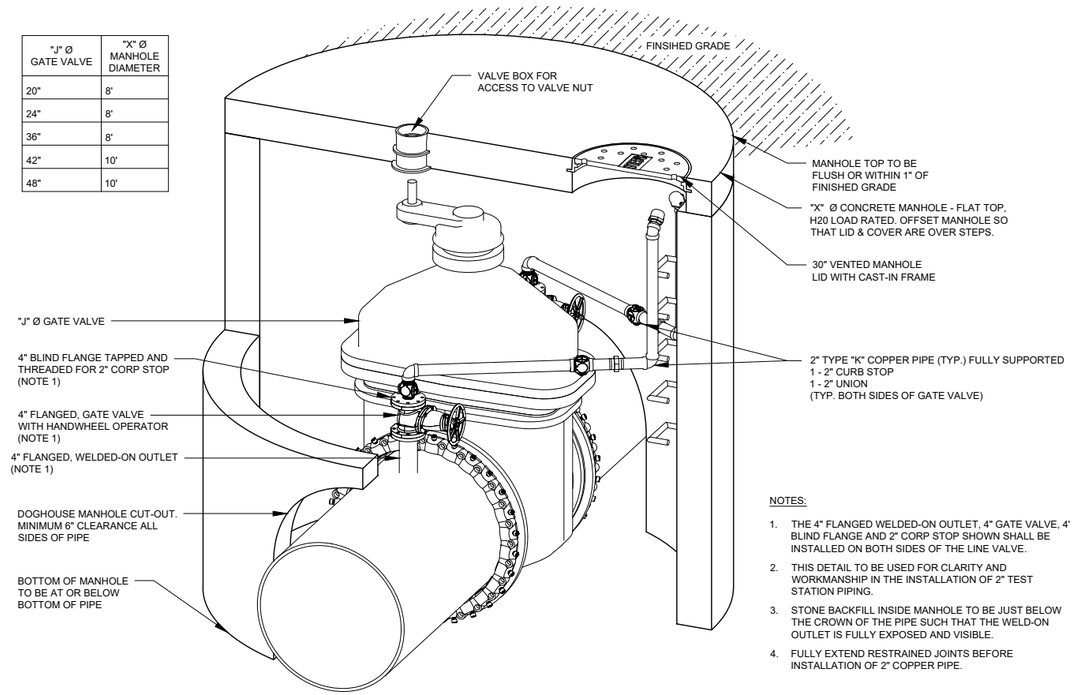


ABANDONED PIPE AND BULKHEAD BRICK DETAIL

N.T.S.

230

"J" Ø GATE VALVE	"X" Ø MANHOLE DIAMETER
20"	8'
24"	8'
36"	8'
42"	10'
48"	10'



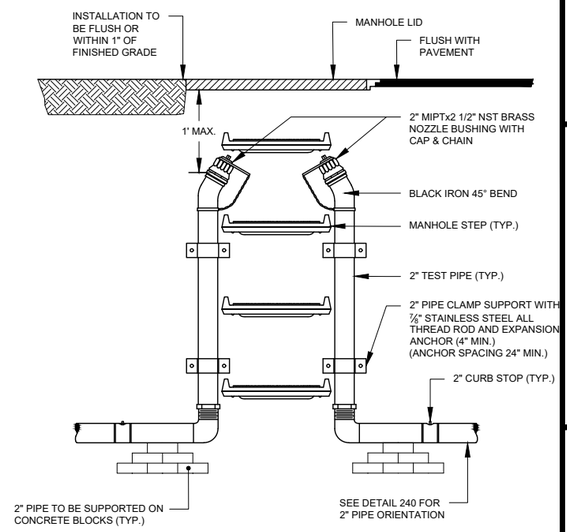
NOTES:

1. THE 4" FLANGED WELDED-ON OUTLET, 4" GATE VALVE, 4' BLIND FLANGE AND 2" CORP STOP SHOWN SHALL BE INSTALLED ON BOTH SIDES OF THE LINE VALVE.
2. THIS DETAIL TO BE USED FOR CLARITY AND WORKMANSHIP IN THE INSTALLATION OF 2" TEST STATION PIPING.
3. STONE BACKFILL INSIDE MANHOLE TO BE JUST BELOW THE CROWN OF THE PIPE SUCH THAT THE WELD-ON OUTLET IS FULLY EXPOSED AND VISIBLE.
4. FULLY EXTEND RESTRAINED JOINTS BEFORE INSTALLATION OF 2" COPPER PIPE.

GATE VALVE TEST STATION PIPING ARRANGEMENT DETAILS

N.T.S.

240



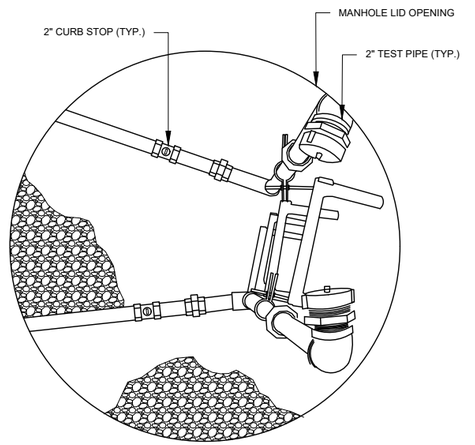
NOTE:

1. INSULATE BETWEEN DISSIMILAR METALS WITH RUBBER GASKET MATERIAL.
2. ALL 2" PIPE, FITTINGS AND HARDWARE SHALL BE RATED FOR WORKING PRESSURE OF MINIMUM 250 PSI.

IN-LINE VALVE MANHOLE AND TEST CONNECTIONS DETAIL

N.T.S.

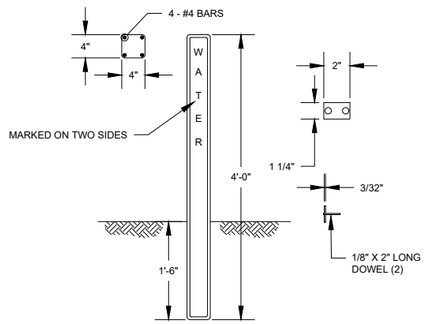
240-A



VALVE TEST CONNECTIONS DETAIL

N.T.S.

240-B

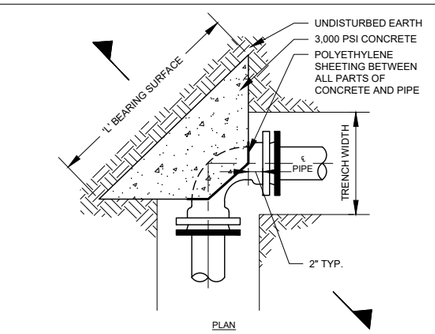


ALUMINUM PLATE CAST IN SIDE OF MARKER POST. DISTANCE (NEAREST FOOT) FROM ℄OF POST TO ℄ OF VALVE BOX AND DIRECTION ARROW TO BE STAMPED INTO PLATE WITH STEEL DIE AFTER MARKER IS SET.

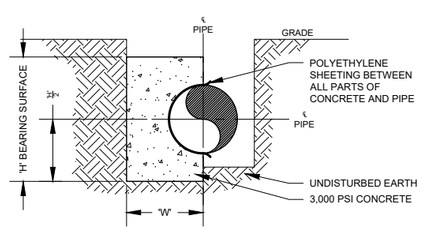
VALVE MARKER DETAIL

N.T.S.

310



PLAN



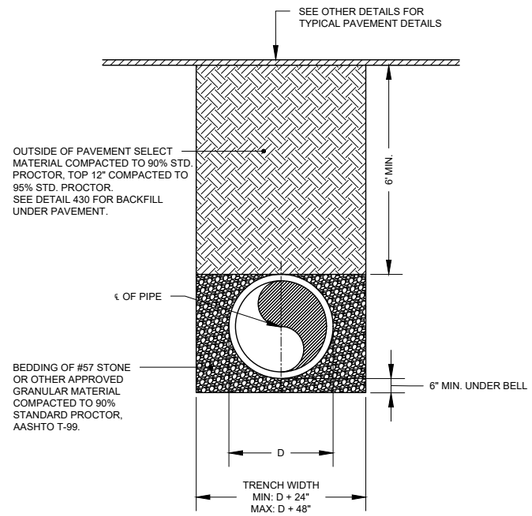
SECTION

TABLE FOR CONCRETE BLOCKING (225 PSI TEST PRESSURE)					
	MINIMUM BEARING AREA (LENGTH x HEIGHT)				
FITTING	6" Ø	8" Ø	10" Ø	12" Ø	16" Ø
11 ¼° BEND	1 x 1	2 x 1	2 x 1	2 x 2	3 x 2
22 ½° BEND	2 x 1	2 x 2	2 x 2	3 x 2	4 x 3
45° BEND	2 x 2	2 x 2	3 x 2	4 x 2	5 x 3
90° BEND	3 x 2	4 x 2	4 x 4	5 x 3	6 x 5
TEE	2 x 2	3 x 2	4 x 2	4 x 3	6 x 3
DEAD END	2 x 2	3 x 2	4 x 2	4 x 3	6 x 3

CONCRETE BLOCKING DETAIL

N.T.S.

320



NOTES:

1. TYPE 5 BEDDING SHALL BE USED FOR THE ENTIRE LENGTH OF THIS PROJECT.
2. PLACE EARTHEN DAM EVERY 200' OF PIPE.

TYPE 5 (MODIFIED) BEDDING DETAIL

N.T.S.

330

ESI
ENGINEERING STRATEGIES, INC.

L:\CCMWA\2021 Blow-off Replacements\Dwg\Sheets\GS-Details.dwg - 10/20/2020 8:53 AM BY: JFLECK

PROJECT NUMBER: 505-9005-39-20-0000
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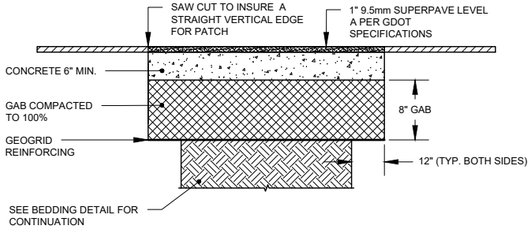
REVISION	DATE

DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

BAR BELOW IS 1" LONG FOR SCALES SHOWN ON THIS SHEET. IF NOT 1" LONG ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS
STANDARD DETAILS (2 OF 4)



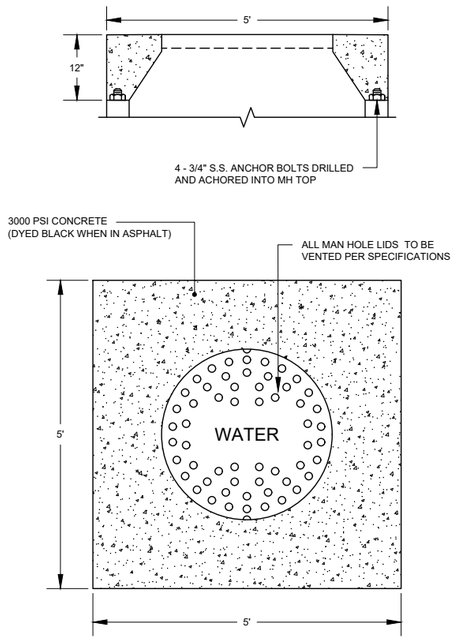
NOTES:

1. ALL PAVEMENT TO BE SAW CUT
2. SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT PRIME APPLIED BEFORE PLACEMENT OF ASPHALTIC TOP.

ASPHALT REPAIR DETAIL

N.T.S.

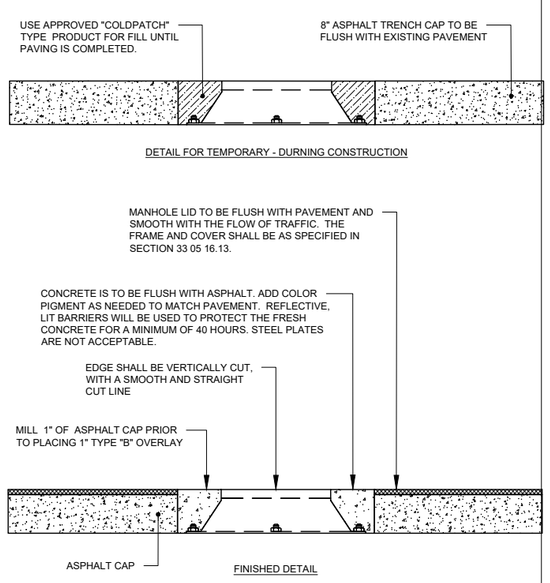
340



MANHOLE LID & CONCRETE PAD DETAIL #1

N.T.S.

450

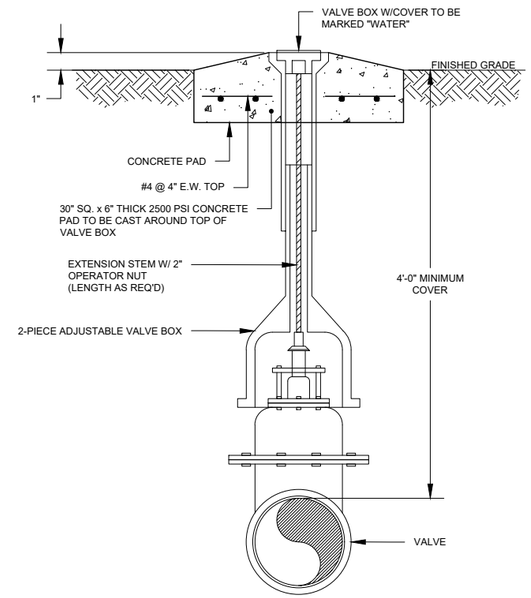


NOTE: ALL MAN HOLE LIDS TO BE VENTED PER SPECIFICATIONS.

MANHOLE LID & CONCRETE PAD DETAIL #2 DETAIL

N.T.S.

460

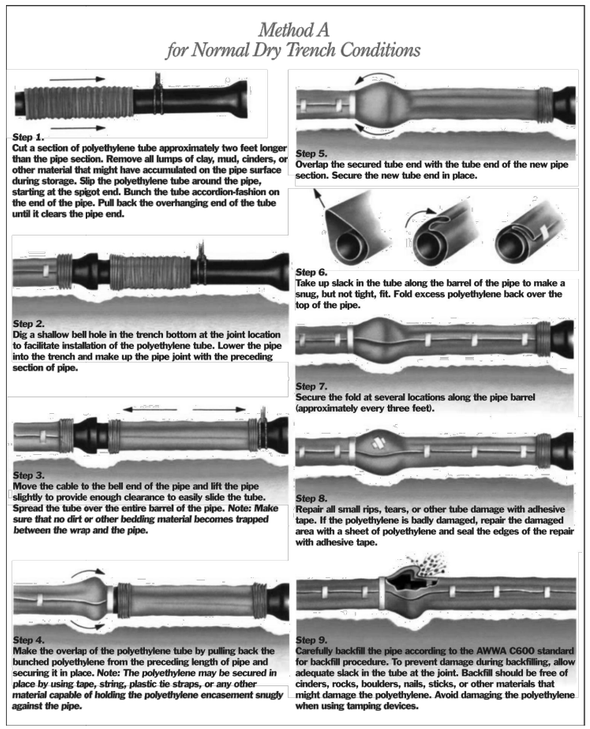


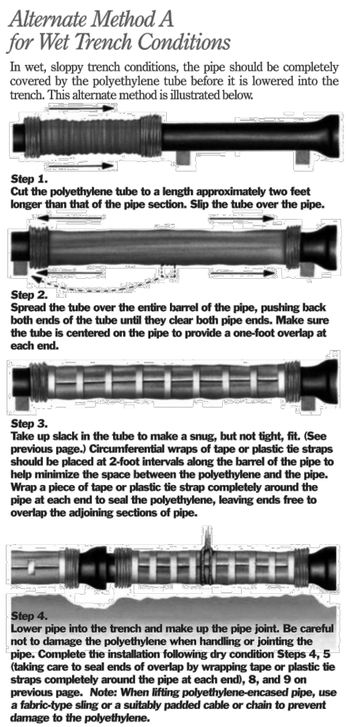
NOTES:

1. CAST AROUND THE TOP OF EACH VALVE BOX A CONCRETE PAD 2'-0" IN DIA. OR 2'-0" SQUARE AND 8" THICK WHEN VALVES ARE LOCATED IN UNPAVED AREAS. PAD NOT REQUIRED IN PAVED AREAS.
2. IF PRECAST PADS ARE USED, THE VOID BETWEEN THE PRECAST PAD AND THE VALVE BOX SHALL BE FILLED W/NON-SHRINK EPOXY GROUT.

TYPICAL VALVE BOX AND OPERATOR SETTING DETAIL

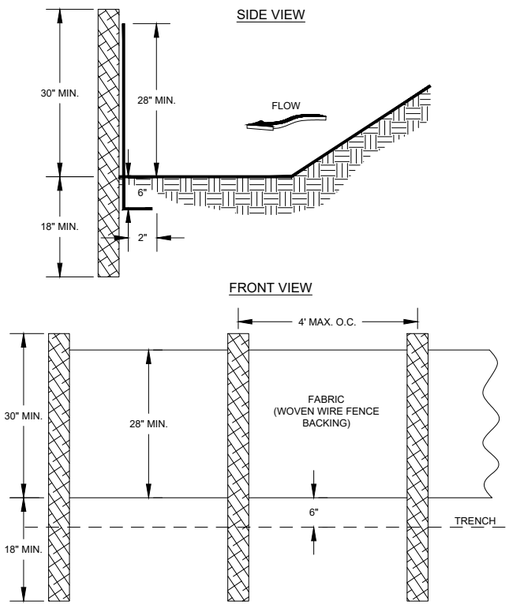
N.T.S.





POLYETHYLENE ENCASEMENT INSTALLATION DETAIL

N.T.S.

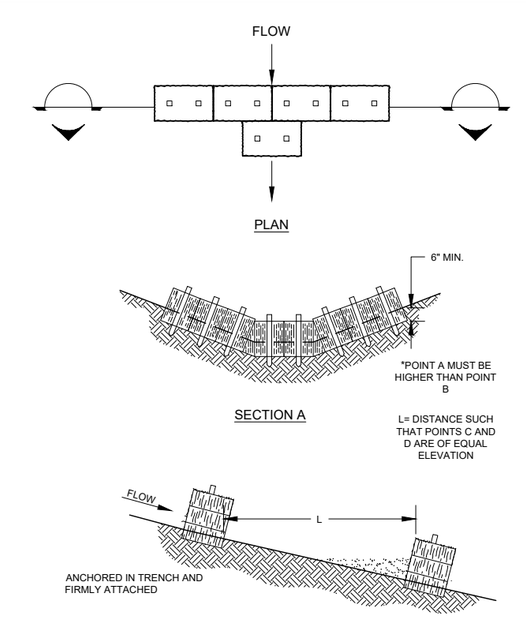


NOTES:
1. USE STEEL POSTS AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE SENSITIVE

N.T.S.

Sd1-S



CHANNEL PROFILE - SPACING BETWEEN EROSION BALES

HAYBALE CHECK DAM

N.T.S.

Cd

ESI
ENGINEERING STRATEGIES, INC.

L:\COMMVA\2021 Blow-off Replacements\Dwg\Sheets\GS-Details.dwg - 10/20/2020 8:53 AM BY: JFLECK

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

REVISION	DATE

DESIGNED BY: DE
DRAWN BY: DE
REVIEWED BY: JRF

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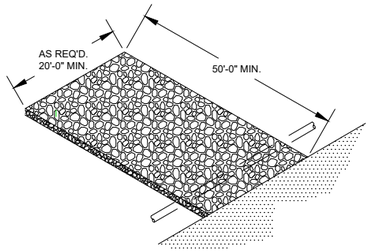
0 1"

COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS

STANDARD DETAILS (3 OF 4)



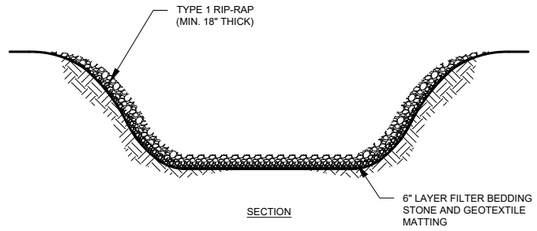
NOTE:
EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC R.O.W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5 TO 3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

TEMPORARY CONSTRUCTION EXIT
N.T.S.
Co

NOTES:

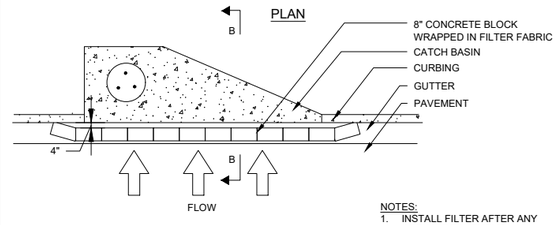
PURPOSE
OPEN CHANNELS ARE CONSTRUCTED OR STABILIZED TO BE NON-EROSIVE, WITH NO SEDIMENT DEPOSITION AND TO PROVIDE ADEQUATE CAPACITY FOR FLOOD WATER, DRAINAGE, OTHER WATER MANAGEMENT PRACTICES, OR ANY COMBINATION THEREOF.

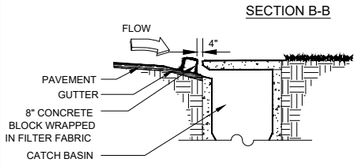
INSTALLATION
1. INSTALL IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (RIP-RAP APPENDIX C), AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
2. DUMPED AND MACHINE PLACED RIP-RAP SHOULD NOT BE INSTALLED ON SLOPES STEEPER THAN 1.5:1.
3. ROCK SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL OTHER RESPECTS FOR THE PURPOSE INTENDED.
4. THE GEOTEXTILE SHALL BE PLACED ON A SMOOTH GRADED SURFACE AND IN SUCH A MANNER THAT IT WILL NOT EXCESSIVELY STRETCH OR TEAR UPON PLACEMENT OF THE OVERLYING MATERIALS. CARE SHOULD BE TAKEN TO PLACE THE GEOTEXTILE IN INTIMATE CONTACT WITH THE SOIL SUCH THAT NO VOID SPACES EXIST BETWEEN THE UNDERLYING SOIL AND THE GEOTEXTILE.



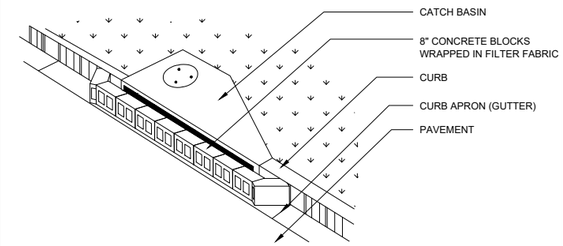
SECTION

CHANNEL STABILIZATION
N.T.S.
Ch-Rp





NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



CURB INLET FILTER "PIGS IN A BLANET"
N.T.S.
Sd2-P

ESI
ENGINEERING STRATEGIES, INC.

PROJECT NUMBER: 505-9005-39-20-0000
PROJECT DATE: OCTOBER 2020

REVISION	DATE
1	

DESIGNED BY:
DRAWN BY:
REVIEWED BY:

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COBB COUNTY-MARIETTA WATER AUTHORITY
2021 BLOW-OFF REPLACEMENTS
STANDARD DETAILS (4 OF 4)