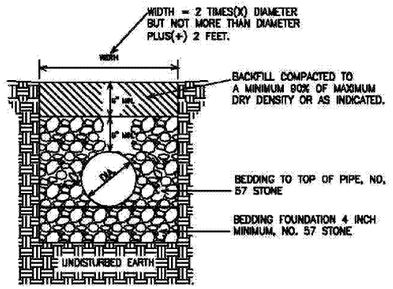
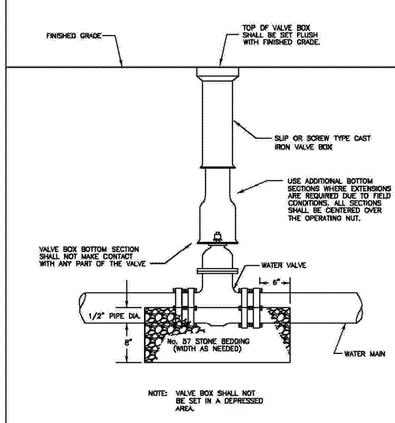


NOTES: UNSUITABLE SOILS ENCOUNTERED IN BOTTOM OF EXCAVATED TRENCH SHALL BE EXCAVATED & REPLACED WITH NO. 57 STONE.

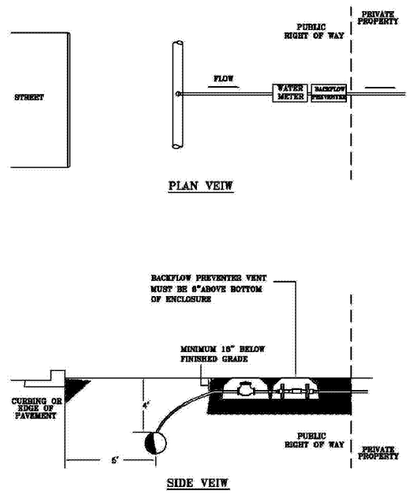
ONLY SUITABLE SOIL SHALL BE USED AS BACKFILL.

CLAYTON COUNTY WATER AUTHORITY			
DATE:	25 JANUARY 2006	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	HDPE PIPE BEDDING	100.3
DRAWN BY:	WWB		

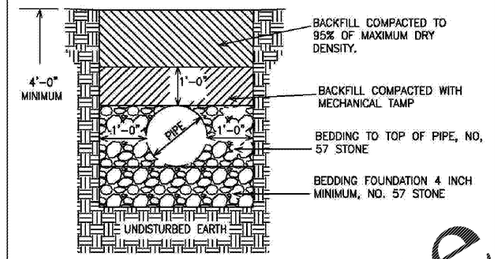


NOTE: VALVE BOX SHALL NOT BE SET IN A DEPRESSED AREA.

CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL NO.
SCALE:	N.T.S.	VALVE BOX	6.1
DRAWN BY:	SRD		



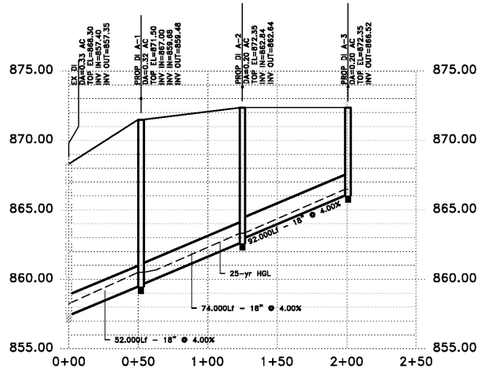
CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	WATER METER BOX	11.1
DRAWN BY:	SRD		



NOTES: UNSUITABLE SOILS ENCOUNTERED IN BOTTOM OF EXCAVATED TRENCH SHALL BE EXCAVATED & REPLACED WITH NO. 57 STONE.

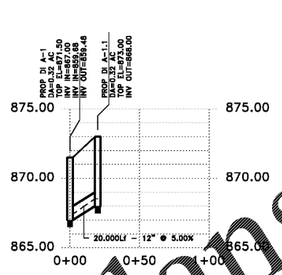
ONLY SUITABLE SOIL SHALL BE USED AS BACKFILL.

CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL P.V.C. SEWER PIPE BEDDING	18.1
DRAWN BY:	SRD		



STORM PIPE - EX DI TO PROP DI A-3

SCALE:
HORIZONTAL 1"=50'
VERTICAL 1"=5'



STORM PIPE - PROP DI A-1 TO PROP DI A-1.1

SCALE:
HORIZONTAL 1"=50'
VERTICAL 1"=5'

PIPE CHART

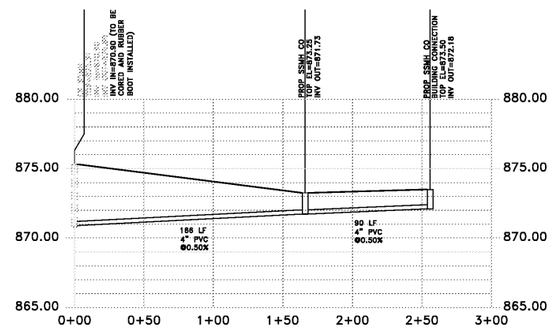
LABEL	STR TYPE	SIZE (IN)	LENGTH (LF)	SLOPE (PERCENT)	MATERIAL	TIME CONC. (MINUTES)	DRAINAGE AREA (ACRES)	RUNOFF COEFF.	STORM FREQUENCY	CAPACITY (CFS)	VELOCITY (FPS)	Q-DISCHARGE (CFS)
A-1	PROP DI	18"	52	4.00	HDPE	5.0	0.33	0.85	25-YEAR	11.38	6.10	6.98
A-2	PROP DI	18"	74	4.00	HDPE	5.0	0.32	0.85	25-YEAR	11.38	3.85	3.46
A-3	PROP DI	18"	92	4.00	HDPE	5.0	0.20	0.85	25-YEAR	11.38	3.80	1.42
A-1.1	PROP MH	12"	20	5.00	HDPE	5.0	0.20	0.95	25-YEAR	4.31	4.39	1.58

NOTES:
1. ALL CONCRETE PIPE TO MEET AASHTO M170 AND GDOT CONSTRUCTION SPECIFICATION SECTION 843
2. RCP CLASS BASED ON DEPTH PER GDOT STD DETAILS 1030d1-1030d3
3. ALL PIPES ARE DESIGNED FOR MINIMUM 2.5 FT/S FOR THE 2-YEAR STORM EVENT FOR SELF-CLEANING TO ENSURE THE PIPES DO NOT CLOG
4. DRAINAGE PIPES AND CULVERTS SHALL BE BACKFILLED WITH MATERIALS THAT MEET THE GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATION FOR ROADWAY MATERIALS, SECTION 810, ROADWAY MATERIALS, CLASS I OR CLASS II SOILS. BACKFILLS WILL BE CONSTRUCTED IN SIX TO TWELVE INCH VERTICAL LAYERS AND THOROUGHLY COMPACTED. THE COMPACTED DRY WEIGHT PER CUBIC FOOT FOR EACH LAYER OF BACKFILL WILL BE AT LEAST NINETY-FIVE (95%) PERCENT OF THE MAXIMUM LABORATORY DRY WEIGHT PER CUBIC FOOT.

GEORGIA811 www.Georgia811.com

811 NOTE:

THE CONTRACTOR/INSTALLER SHALL ADHERE TO THE GEORGIA UTILITIES PROTECTION CENTER "GEORGIA 811 CALL BEFORE YOU DIG" LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT 1.800.282.7411 OR 811 48 HOURS PRIOR TO BEGINNING ANY GROUND DISTURBING ACTIVITIES.



4" SANITARY SEWER PROFILE

SCALE:
HORIZONTAL 1"=50'
VERTICAL 1"=5'

Order Plans @ WWW.DILine.com

MASS ENGINEERING AND CONSULTANTS, LLC.
3459 ACWORTH DUE WEST RD. SUITE 565
ACWORTH, GEORGIA 30101
PHONE: 404.850.7790
WWW.MASS-ENG.COM
Copyright © 2019

GEORGIA REGISTERED No. 001742 PROFESSIONAL ENGINEER JEFFREY P. MASISAK

MASS ENGINEERING AND CONSULTANTS, LLC

REVISIONS

DATE:	DESCRIPTION

PROFILES

PROJECT NUMBER: 19-0103

DATE: OCTOBER 1, 2019

C-10