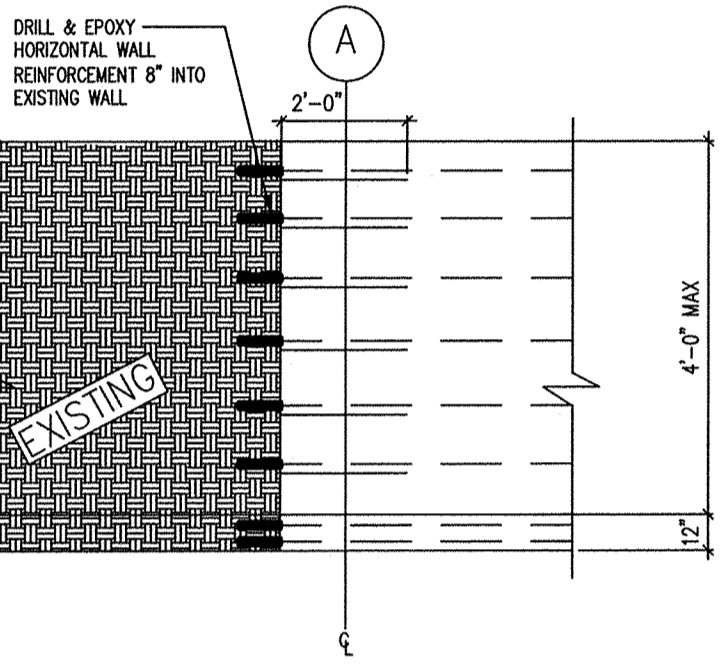
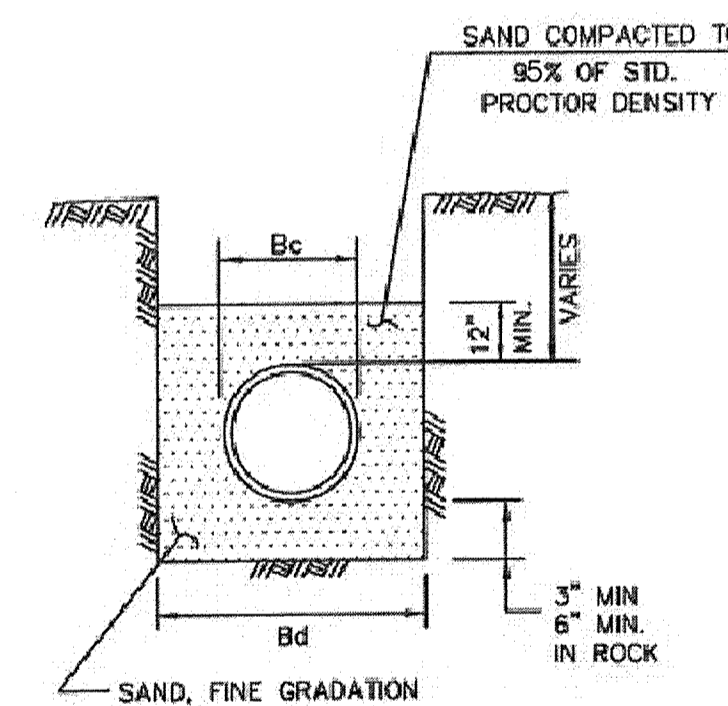


WALL SECTION-A
SCALE: N.T.S.



EXISTING WALL-DEMO
SCALE: N.T.S.
* DEMO EXISTING WALL TO MAX. HEIGHT OF NEW WALL.

*NOTE: RETAINING WALL SURFACE SHALL BE STONE OR FORM LINE FACED.



NOTES:
1. Bc = OUTSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH

SIZE OF PIPE IN INCHES DIA.	KIND OF PIPE	EXTERNAL DIA. (Bc) IN INCHES	TRENCH WIDTH (Bd) IN INCHES
6"	PVC WATER PIPE	6.28	24
8"	PVC WATER PIPE	8.16	24
10"	PVC WATER PIPE	10.2	26

WATER EMBEDMENT
CLASS "B-3"

10/28/2014

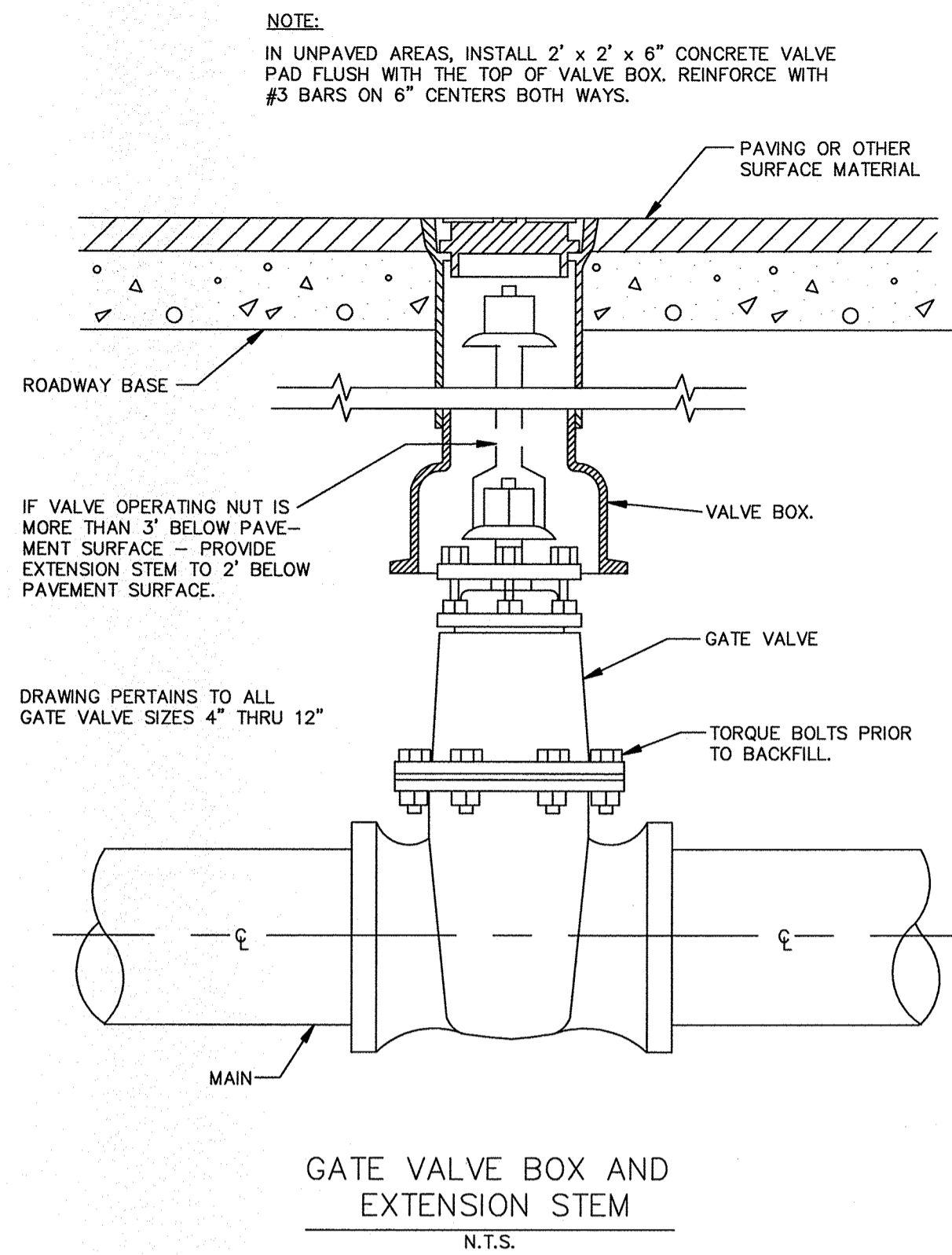
ERIC L. DAVIS ENGINEERING, INC.
120 East Main Street
P.O. Box 78226
Rockwall, TX 75087
E-Mail: eric@ecdlp.com

RETAINING WALL DETAIL
ENGINEERED FOR
C. SCOTT LEWIS
HOMES

ERIC L. DAVIS ENGINEERING, INC.
120 East Main Street
P.O. Box 78226
Rockwall, TX 75087
E-Mail: eric@ecdlp.com

SCALE: N.T.S.

C

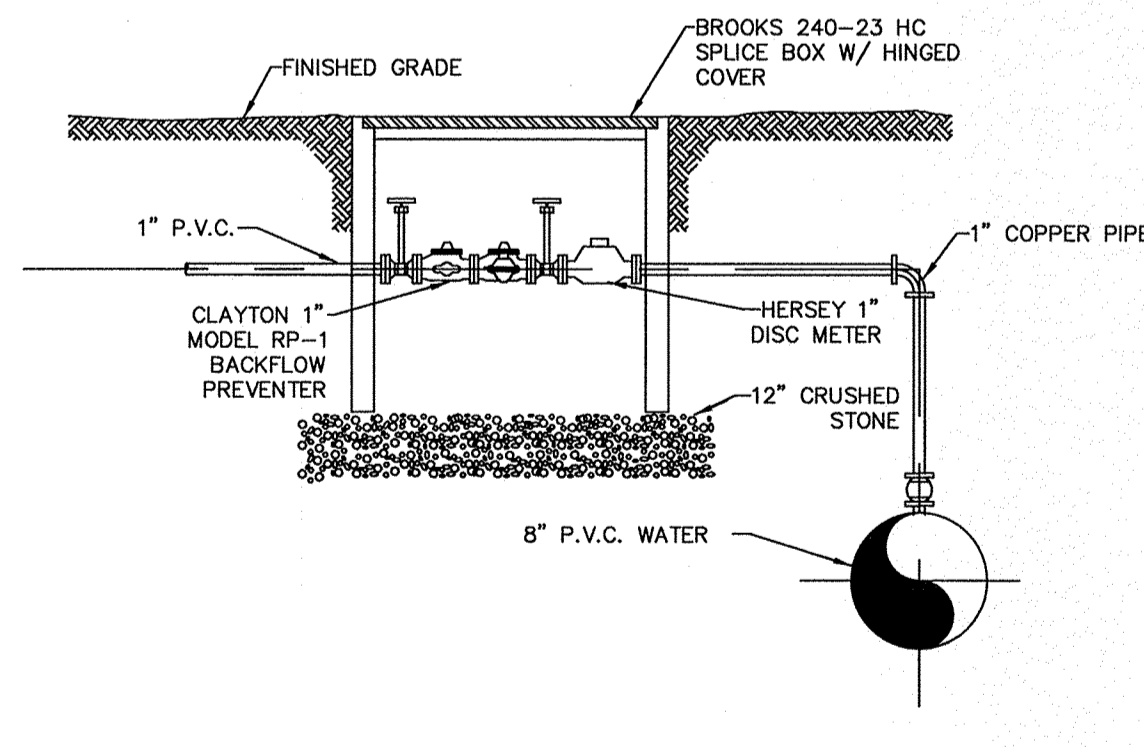


GATE VALVE BOX AND EXTENSION STEM
N.T.S.

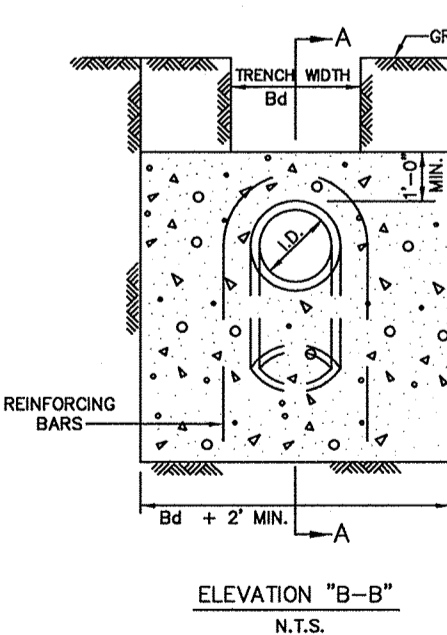
GENERAL NOTES FOR ALL THRUST BLOCKS:

- CONCRETE FOR BLOCKING SHALL BE CLASS "B".
- ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 PSI FOR P.V.C. AND CONCRETE PIPE. (NO DUCTILE IRON PIPE ALLOWED)
- VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
- WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
- POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
- DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
- THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND 2000 LBS./S.F. IN ROCK.
- USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.
- CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

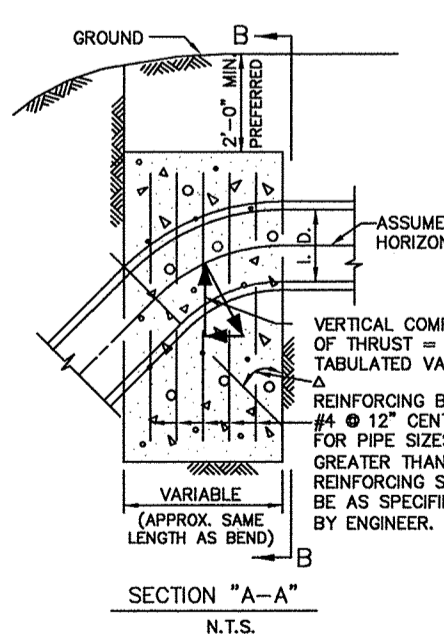
I.D. (IN.)	G. THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	1.0	1.0	1.5	1.0	1.5
10.12	1.5	1.5	2.0	1.5	2.0
16.18	2.0	2.0	2.5	2.0	2.5
20	2.5	2.5	3.0	2.5	3.0
24	3.0	3.0	3.5	3.0	3.5
30	4.0	4.0	4.5	4.0	4.5
36	5.0	5.0	5.5	5.0	5.5
42	6.0	6.0	6.5	6.0	6.5
48	7.0	7.0	7.5	7.0	7.5
54	8.0	8.0	8.5	8.0	8.5
60	9.0	9.0	9.5	9.0	9.5
66	10.0	10.0	10.5	10.0	10.5
72	11.0	11.0	11.5	11.0	11.5
78	12.0	12.0	12.5	12.0	12.5
84	13.0	13.0	13.5	13.0	13.5
90	14.0	14.0	14.5	14.0	14.5
96	15.0	15.0	15.5	15.0	15.5



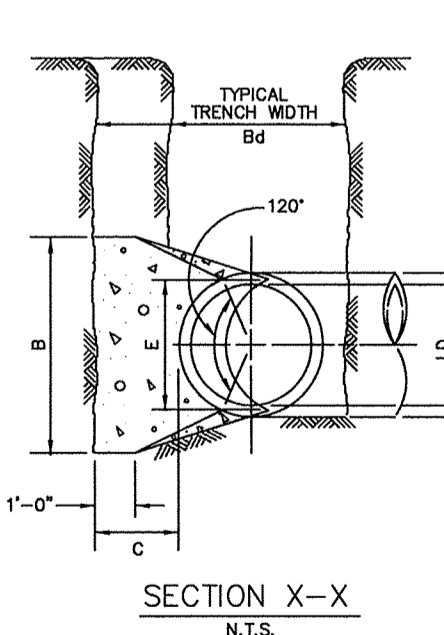
BACKFLOW PREVENTER DETAIL
NO SCALE



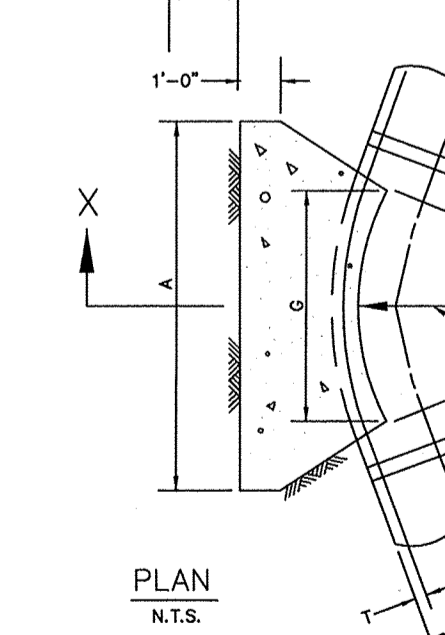
ELEVATION "B-B"
N.T.S.



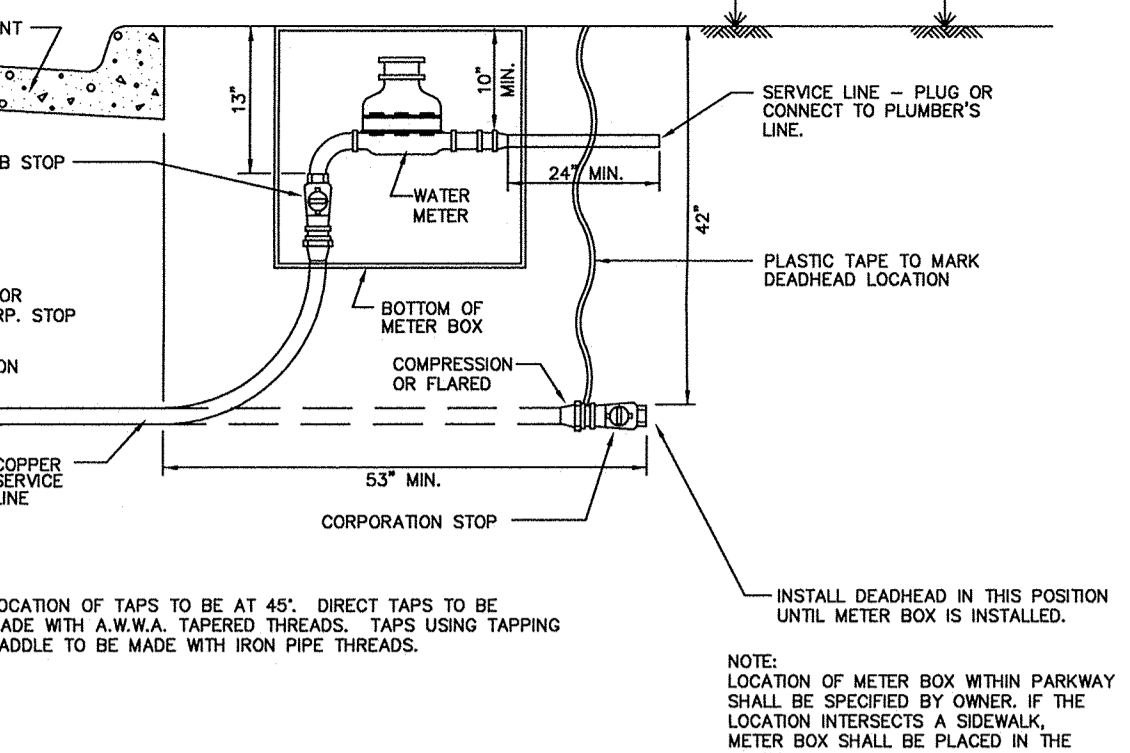
SECTION "A-A"
N.T.S.



SECTION X-X'
N.T.S.



PLAN
N.T.S.



WATER SERVICE INSTALLATION

I.D. (IN.)	G. THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	1.0	1.0	1.5	1.0	1.5
10.12	1.5	1.5	2.0	1.5	2.0
16.18	2.0	2.0	2.5	2.0	2.5
20	2.5	2.5	3.0	2.5	3.0
24	3.0	3.0	3.5	3.0	3.5
30	4.0	4.0	4.5	4.0	4.5
36	5.0	5.0	5.5	5.0	5.5
42	6.0	6.0	6.5	6.0	6.5
48	7.0	7.0	7.5	7.0	7.5
54	8.0	8.0	8.5	8.0	8.5
60	9.0	9.0	9.5	9.0	9.5
66	10.0	10.0	10.5	10.0	10.5
72	11.0	11.0	11.5	11.0	11.5
78	12.0	12.0	12.5	12.0	12.5
84	13.0	13.0	13.5	13.0	13.5
90	14.0	14.0	14.5	14.0	14.5
96	15.0	15.0	15.5	15.0	15.5

VERTICAL THRUST BLOCK

I.D. (IN.)	G. THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	1.0	1.0	1.5	1.0	1.5
10.12	1.5	1.5	2.0	1.5	2.0
16.18	2.0	2.0	2.5	2.0	2.5
20	2.5	2.5	3.0	2.5	3.0
24	3.0	3.0	3.5	3.0	3.5
30	4.0	4.0	4.5	4.0	4.5
36	5.0	5.0	5.5	5.0	5.5
42	6.0	6.0	6.5	6.0	6.5
48	7.0	7.0	7.5	7.0	7.5
54	8.0	8.0	8.5	8.0	8.5
60	9.0	9.0	9.5	9.0	9.5
66	10.0	10.0	10.5	10.0	10.5
72	11.0	11.0	11.5	11.0	11.5
78	12.0	12.0	12.5	12.0	12.5
84	13.0	13.0	13.5	13.0	13.5
90	14.0	14.0	14.5	14.0	14.5
96	15.0	15.0	15.5	15.0	15.5

AT PIPE BEND

I.D. (IN.)	G. THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	1.0	1.0	1.5	1.0	1.5
10.12	1.5	1.5	2.0	1.5	2.0
16.18	2.0	2.0	2.5	2.0	2.5
20	2.5	2.5	3.0	2.5	3.0
24	3.0	3.0	3.5	3.0	3.5
30	4.0	4.0	4.5	4.0	4.5
36	5.0	5.0	5.5	5.0	5.5
42	6.0	6.0	6.5	6.0	6.5
48	7.0	7.0	7.5	7.0	7.5
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60	9.0	9.0	9.5	9.0	9.5
66	10.0	10.0	10.5	10.0	10.5
72	11.0	11.0	11.5	11.0	11.5
78	12.0	12.0	12.5	12.0	12.5
84	13.0	13.0	13.5	13.0	13.5
90	14.0	14.0	14.5	14.0	14.5
96	15.0	15.0	15.5	15.0	15.5

TABLES OF DIMENSIONS AND QUANTITIES

I.D. (IN.)	G. THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	1.0	1.0	1.5	1.0	1.5
10.12	1.5	1.5	2.0	1.5	2.0
16.18	2.0	2.0	2.5	2.0	2.5
20	2.5	2.5	3.0	2.5	3.0
24	3.0	3.0	3.5	3.0	3.5
30	4.0	4.0	4.5	4.0	4.5
36	5.0	5.0	5.5	5.0	5.5
42	6.0	6.0	6.5	6.0	6.5
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60	9.0	9.0	9.5	9.0	9.5
66	10.0	10.0	10.5	10.0	10.5
72	11.0	11.0	11.5	11.0	11.5
78	12.0	12.0	12.5	12.0	12.5
84	13.0	13.0	13.5	13.0	13.5
90	14.0	14.0	14.5	14.0	14.5
96	15.0	15.0	15.5	15.0	15.5

TABLES OF DIMENSIONS AND QUANTITIES

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

TODD WINTTERS 7.25.15
DATE

BENCHMARK:
BM FOUND ON 10' RECESSED CURB INLET IN THE NORTH LINE OF RALPH HALL PARKWAY ADJACENT TO SITE. ELEVATION = 547.25

ENGINEERINGCONCEPTS & DESIGN, L.P.
ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

REVISIONS:	
DRAWN: TONY	DATE: JANUARY 08, 2015
CHECKED: TW	DATE:
PROJECT NO.: 2109	
DWG FILE NAME: Z:\PROJECTS\02109\DWG\SHEETS\11-13 GENERAL NOTES.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.



WATER & RETAINING WALL DETAILS
LOT 6, BLOCK 1
HORIZON VILLAGE
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET
12
OF
13