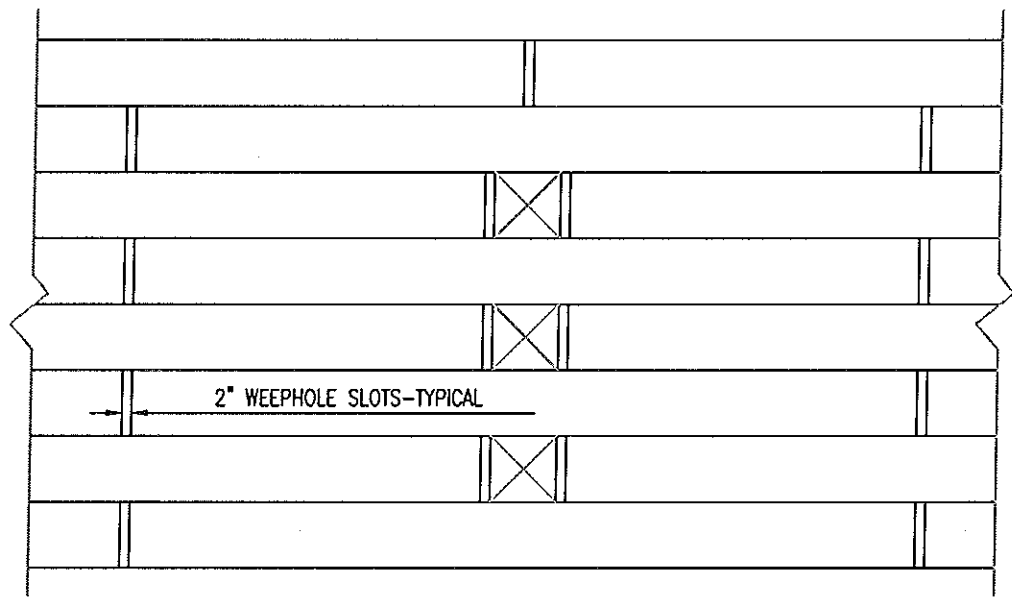


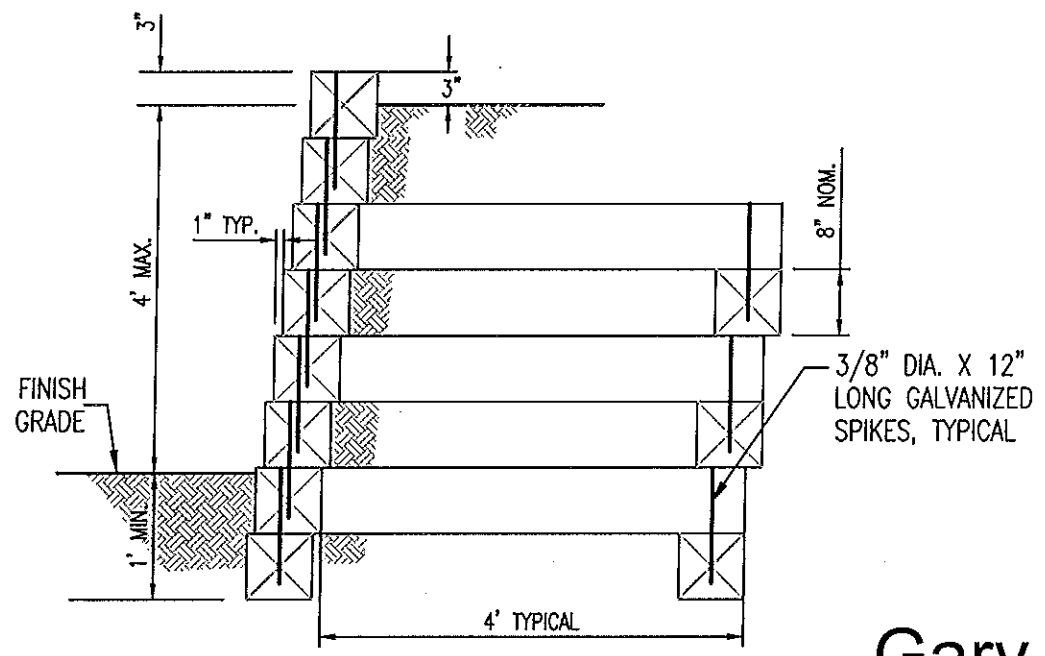
PLAN



ELEVATION

NOTES:

1. THIS DESIGN SHALL BE USED FOR WALLS NOT TO EXCEED 4' HEIGHT.
2. SOIL BEARING CAPACITY TO BE 2,000 PSF MINIMUM.
3. BACKFILL WITH CLEAN SAND.
4. NOMINAL TIE SIZE TO BE 8"x8".
5. PROVIDE 2" WEEPHOLE SLOTS AT EVERY 8'-0" LENGTH IN THIRD COURSE OF WALL HEIGHT.
6. SPIKE TIES AS INDICATED ON PLAN WITH GALVANIZED 3/8" DIAMETER X 12" LONG SPIKES. ACCEPTABLE OPTION IS NO. 3 REBAR.
7. ANY VARIATION FROM THIS DETAIL SHALL REQUIRE SUBMISSION TO PROJECT ENGINEER.
8. BACKFILL SLOPE NOT TO EXCEED 3:1.
9. MINIMUM DISTANCE BETWEEN ADJACENT WALLS NOT TO BE LESS THAN MAXIMUM HEIGHT ABOVE GRADE OF DOWNGRADE WALL.
10. ALL TIMBER TO BE PRESSURE TREATED SOUTHERN PINE NO. 2.
11. ALL CONSTRUCTION TO BE IN CONFORMANCE WITH 2014 FLORIDA BUILDING CODE.
12. WALL IS FOR RISK CATEGORY 1.
13. DESIGN IS FOR MINIMUM WIND LOAD OF 135 M.P.H.



SECTION

**TIMBER RETAINING WALL DETAIL NO. 1
NORTH PROPERTY LINE**

NTS

**Gary A.
Boucher, P.E.
E. 22885**

Digitally signed by: Gary A. Boucher, P.E.
22885
DN: CN = Gary A. Boucher, P.E. 22885
email = gboucher@ozonamail.com C =
AD O = Ozona Engineering, Inc. OU =
Professional Engineer
Date: 2017.07.05 10:29:49 -05'00'

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNED BY MY HAND AND SEAL

STATE CERT. OF AUTH. #A000042

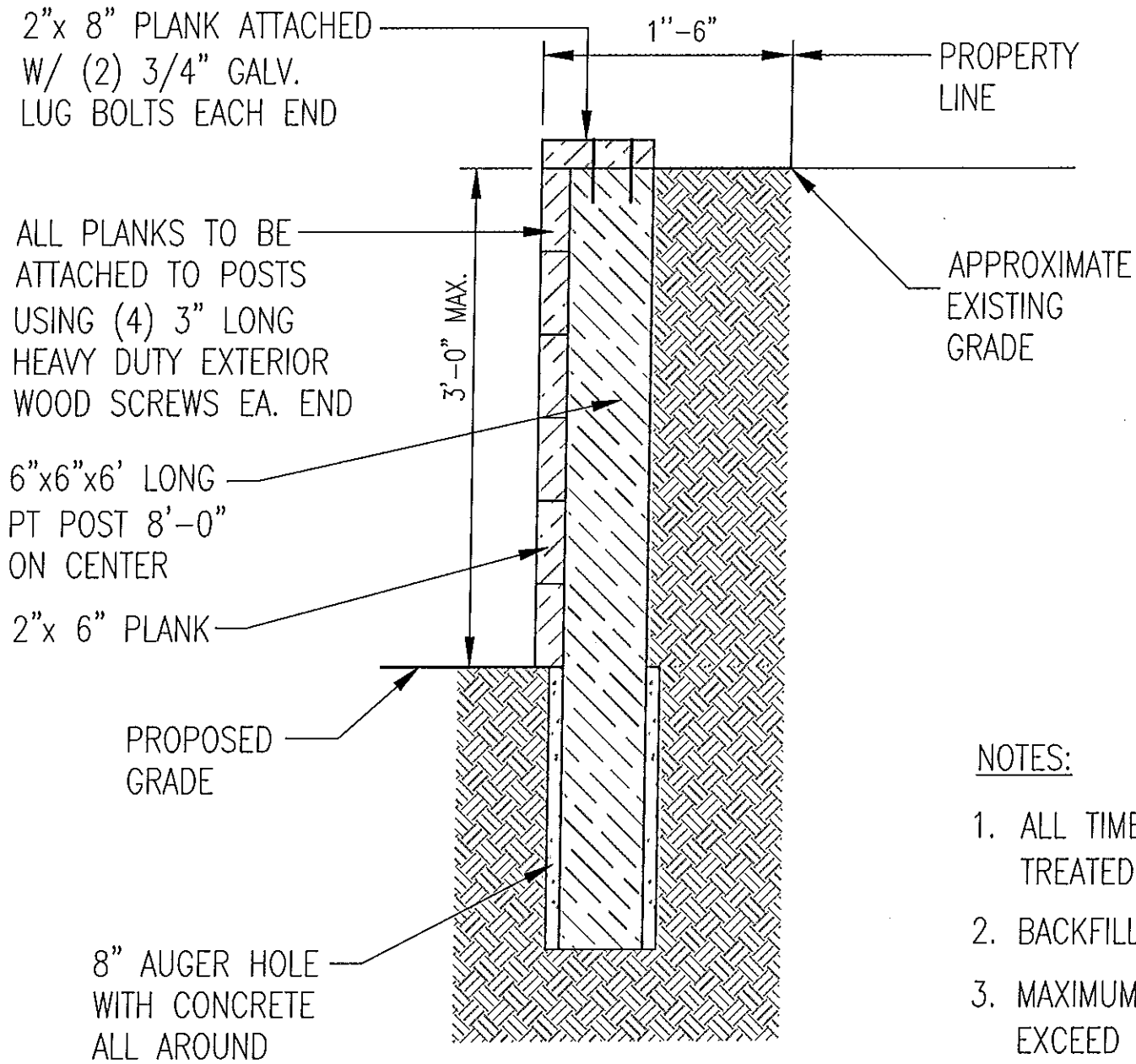
Ozona Engineering, Inc.
P.O. Box 432
Ozona, Florida 34660-432
Phone: (727) 785-3339 Fax: (727) 785-3434

FOR: **STEPHANIE DEEB**
WELLBUILT HOMES, INC.
9400 RIVER CROSSING BLVD. SUITE 102
NEW PORT RICHEY, FL 34655

PROJECT: **LOT 10 & PORTION LOT 9**
NAVARAEZ AVENUE
DESOTO ESTATES
SAFETY HARBOR, FLORIDA

DATE: -
DRAWN BY: AVF

W1



NOTES:

1. ALL TIMBER TO BE PRESSURE TREATED SOUTHERN PINE #2.
2. BACKFILL WITH CLEAN SAND.
3. MAXIMUM WALL HEIGHT SHALL NOT EXCEED 3'

SECTION

**TIMBER RETAINING WALL DETAIL NO. 2
SOUTH PROPERTY LINE**

NTS

**Gary A.
Boucher, P.E.
22885**

Digitally signed by: Gary A. Boucher,
P.E. 22885
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22885 email = gboucher@ozonamail.
com C = AD O = Ozona Engineering,
Inc. OU = Professional Engineer
Date: 2017.07.05 10:31:14 -05'00'

E:
EI

I HEREBY CERTIFY THAT
THIS PLAN AND
SPECIFICATION WAS
PREPARED BY ME OR
UNDER MY DIRECT
SUPERVISION AND THAT I
AM A DULY LICENSED
CIVIL ENGINEER UNDER
THE LAWS OF THE STATE
OF FLORIDA AS ISSUED
BY MY HANG AND SEAL

STATE CERT. OF AUTH. #0000042

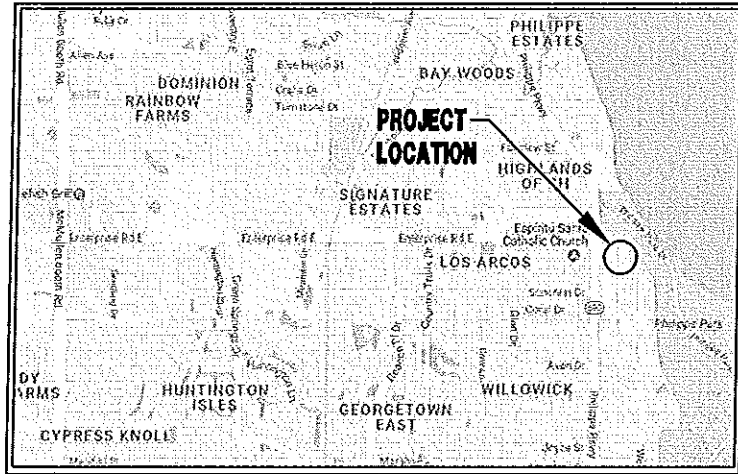
**Ozona
Engineering, Inc.**
P.O. Box 432
Ozona, Florida 34660-432
Phone: (727) 785-3939 Fax: (727) 785-3434

FOR:
STEPHANIE DEEB
WELLBUILT HOMES, INC.
9400 RIVER CROSSING BLVD. SUITE 102
NEW PORT RICHEY, FL 34655

PROJECT:
LOT 10 & PORTION LOT 9
NAVARREZ AVENUE
DEBOTO ESTATES
SAFETY HARBOR, FLORIDA

DATE: -
DRAWN BY: AVF

W2

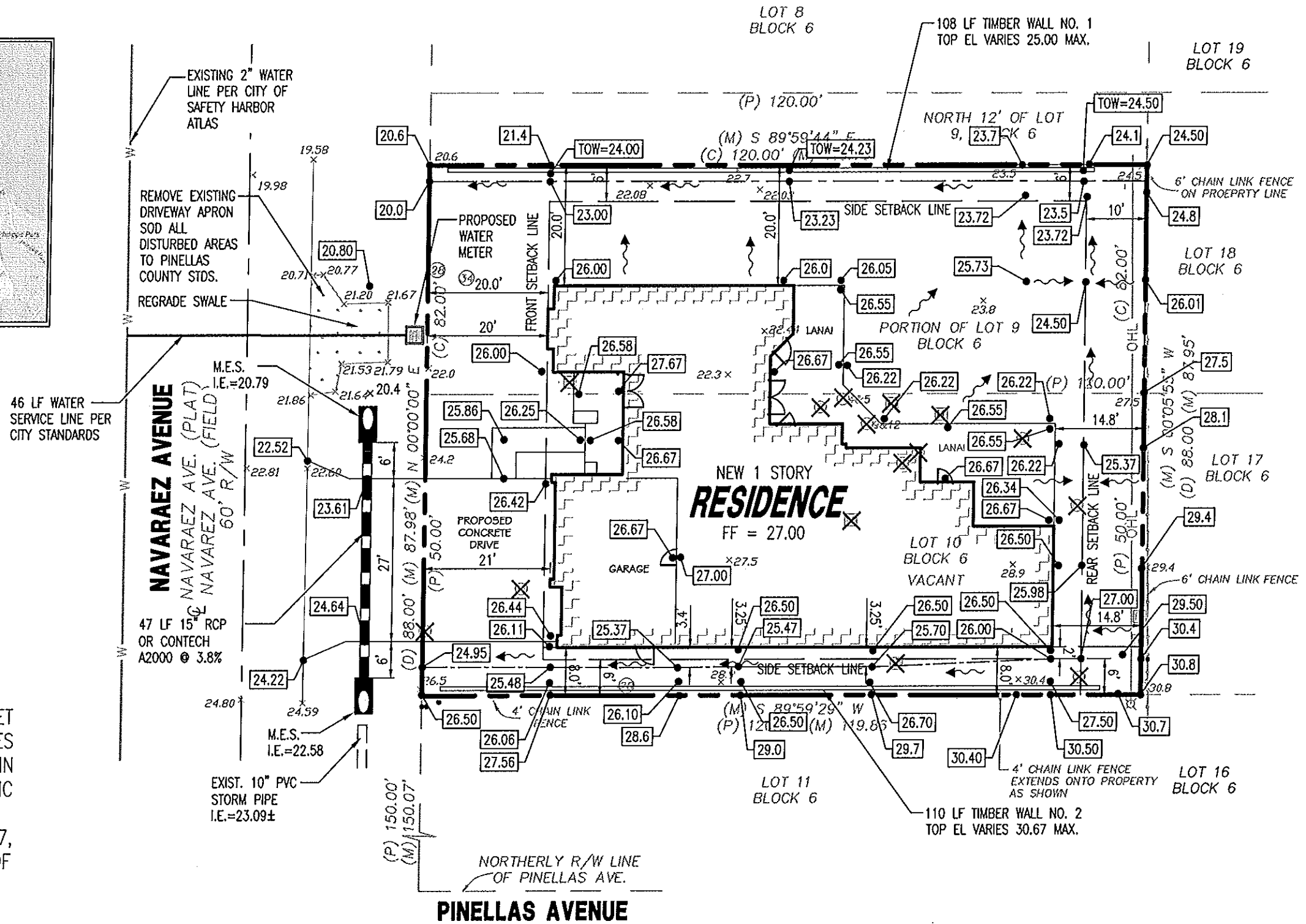


VICINITY MAP
NTS

SITE DATA:
 ZONING: R-3 (PINELLAS COUNTY)
 LAND USE: RL
 SITE AREA = 10,536 SF (0.24 AC)
 BLDG COVERAGE = 3,388 SF (32.2%)
 TOT. IMP. AREA = 4,819 SF (45.7%)

LEGAL DESCRIPTION:
 LOTS 9 AND 10 LESS THE NORTH 12 FEET OF LOT 9, BLOCK 6, DESOTO ESTATES ACCORDING TO THE MAP OR PLAT THEREOF IN PLAT BOOK 13, PAGE 55 OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA. RECORDED IN OFFICIAL RECORDS BOOK 12167, PAGE 1189 OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA.

NOTES:
 1. ELEVATIONS SHOWN HEREON ARE 1988 DATUM.
 2. APPARENT FLOOD HAZARD ZONE: "X" COMMUNITY PANEL NO. 12103C0093G EFFECTIVE DATE: 9/3/03



Gary A.
Boucher, P.
E. 22885

Digitally signed by: Gary A. Boucher, P.E. 22885
 DN: CN = Gary A. Boucher, P.E. 22885 email = goucher@ozonamail.com C = AD O = Ozona Engineering, Inc. OU = Professional Engineer
 Date: 2017.07.05 10:28:42 -05'00'



SITE PLAN

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS ISSUED BY MY HAND AND SEAL.

STATE CERT. OF INTL. #000042

Ozona Engineering, Inc.
 P.O. Box 432
 Ozona, Florida 34660-432
 Phone: (727) 795-3939 Fax: (727) 795-3434

FOR: **STEPHANIE DEEB**
WELLBUILT HOMES, INC.
 9400 RIVER CROSSING BLVD. SUITE 102
 NEW PORT RICHEY, FL 34665

PROJECT: **LOT 10 & PORTION LOT 9**
 NAVARAEZ AVENUE
 DESOTO ESTATES
 SAFETY HARBOR, FLORIDA

DATE: --
 DRAWN BY: AVF

P1

DIMENSIONS AND QUANTITIES

	D	X	A	B	C	E	F	G	H ■	M				N	5 1/2" CONCRETE SLAB (CY) ▣				SODDING (SY)			
										Single	Double	Triple	Quad.		Single	Double	Triple	Quad.	Single	Double	Triple	Quad.
										Pipe	Pipe	Pipe	Pipe		Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe
1:2 Slope	15"	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	2.9'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	21	24	27	30
	18"	2'-10"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	3.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	22	25	28	31
	24"	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	3.4'	5.50'	8.92'	12.33'	15.75'	1.25'	0.54	0.83	1.12	1.42	24	28	32	35
	30"	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	3.4'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	26	31	35	40
	36"	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	3.4'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	28	34	39	45
	42"	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	3.4'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.45	3.19	30	37	43	50
	48"	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	3.4'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	32	39	47	54
	54"	7'-8"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	3.4'	8.42'	16.08'	23.75'	31.42'	1.46'	1.31	2.44	3.58	4.72	34	42	51	59
	60"	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	4.4'	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	36	45	55	64
	66"	9'-2"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	4.4'	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	38	48	58	68
72"	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	4.4'	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	40	51	62	73	
1:4 Slope	15"	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	23	26	29	32
	18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	25	28	31	35
	24"	3'-5"	2.53'	7.18' △	9.71'	7.03' △	11'	1.73'	4.0'	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	28	32	36	40
	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	31	36	41	46
	36"	5'-1"	2.87'	11.31' ◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	34	40	46	52
	42"	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0'	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	38	44	51	58
	48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0'	7.83'	14.58'	21.33'	28.08'	1.42'	1.85	3.30	4.73	6.17	41	48	56	63
	54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	2.14	3.95	5.77	7.58	44	52	61	69
	60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0'	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07	47	56	66	75
	66"	9'-2"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	4.0'	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	49	59	69	80
72"	10'-0"	3.91'	23.68'	27.59'	23.03'	27'	3.30'	4.0'	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	52	63	74	85	

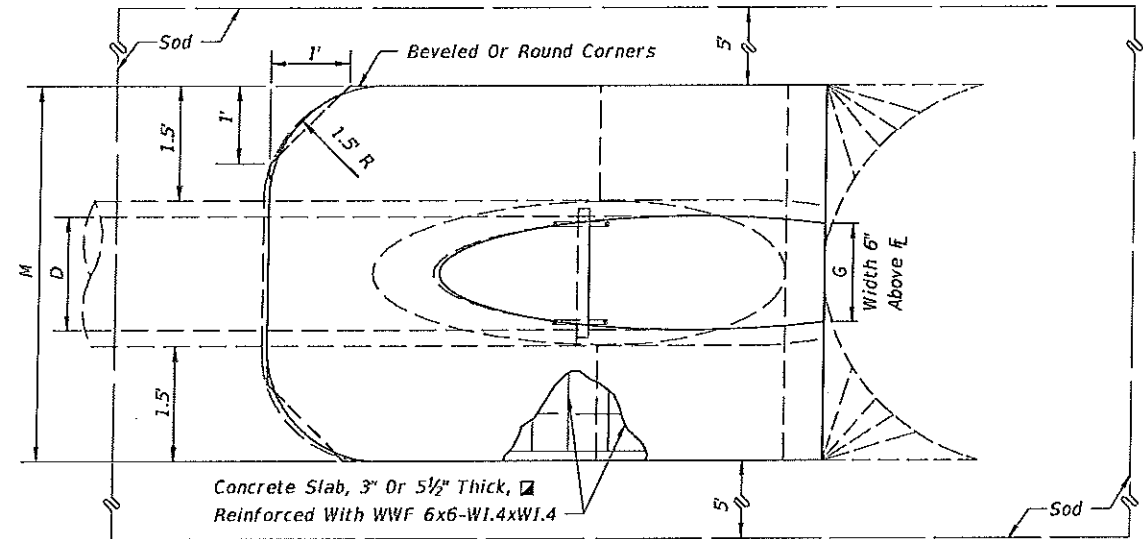
▣ See General Note No. 5.
See Sheet 5 For 3" Slab Quantities

■ Values shown for estimating pipe quantities and are for information only.

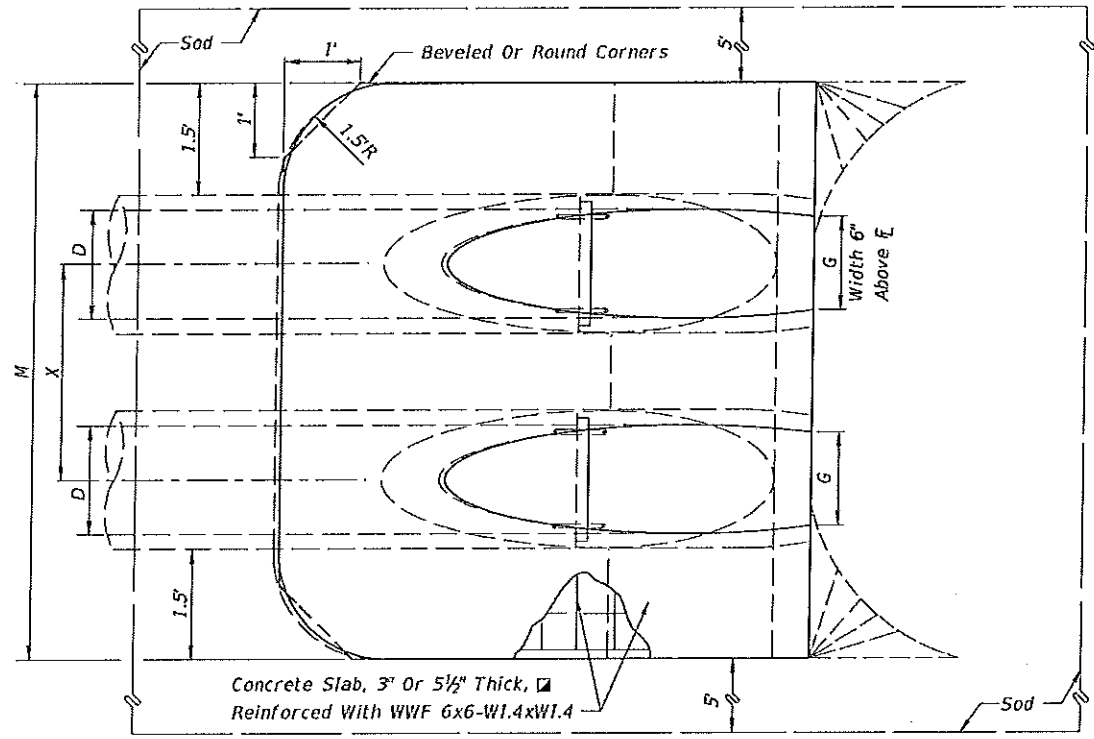
△ 6.42' △ 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.

◇ 10.40' ◇ 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.

△ ◇ Concrete slab shall be deepened to form bridge across crown of pipe. See section below.



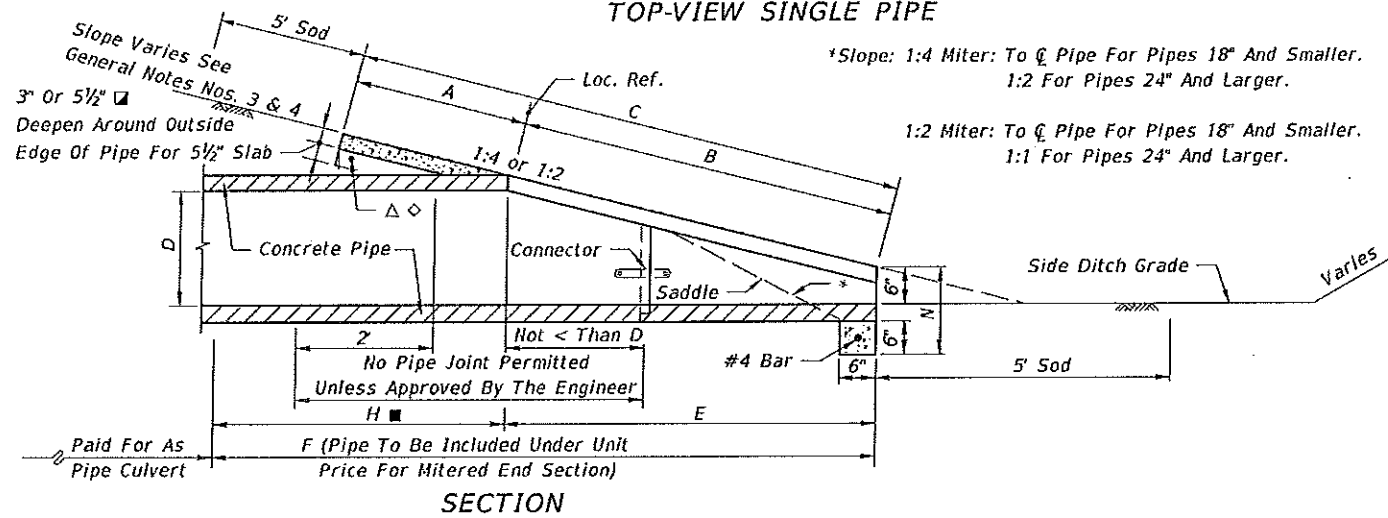
TOP-VIEW SINGLE PIPE



TOP-VIEW MULTIPLE PIPE

NOTE: See sheet 6 for details and notes.

SINGLE AND MULTIPLE ROUND CONCRETE PIPE



SECTION

LAST REVISION 07/01/02	DESCRIPTION:	FDOT 2016 DESIGN STANDARDS	CROSS DRAIN MITERED END SECTION	INDEX NO. 272	SHEET NO. 1 of 6
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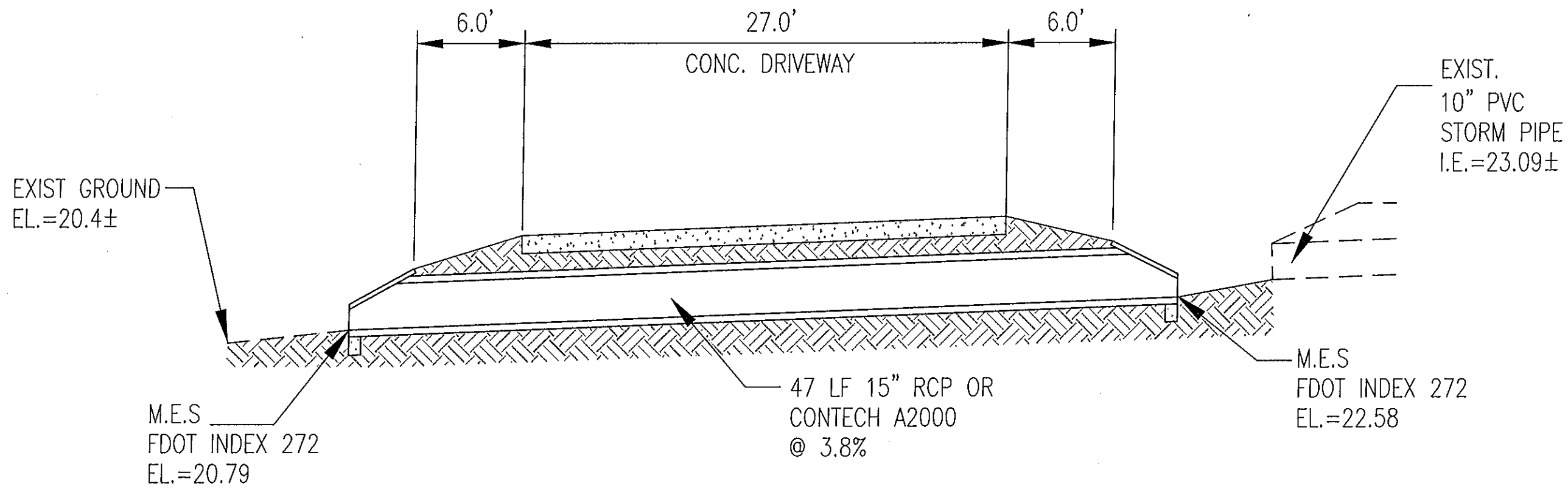
Ozona Engineering, Inc.
P.O. Box 432
Ozona, Florida 34660-432
Phone: (727) 785-3638 Fax: (727) 785-5434

FOR: **STEPHANIE DEEB**
WELLBUILT HOMES, INC.
9400 RIVER CROSSING BLVD. SUITE 102
NEW PORT RICHEY, FL 34668

PROJECT: **LOT 10 & PORTION LOT 9**
NAVARAZ AVENUE
DESOTO ESTATES
SAFETY HARBOR, FLORIDA

DATE: -
DRAWN BY: AVF
D3

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A duly Licensed Civil Engineer under the laws of the State of Florida as shown by my hand and seal.



**SECTION
DRIVEWAY CULVERT**

NTS

Gary A.
Boucher, P.E.
E. 22885

Digitally signed by: Gary A. Boucher, P.E.
22885
DN: CN = Gary A. Boucher, P.E. 22885 email =
gboucher@ozonamail.com C = AD O = Ozona
Engineering, Inc. OU = Professional Engineer
Date: 2017.07.05 10:26:55 -05'00'

STATE CERT. OF AUTH. #00000422

Ozona
Engineering, Inc.
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Ozona, Florida 34660-432
Phone: (727) 785-3939 Fax: (727) 785-3434

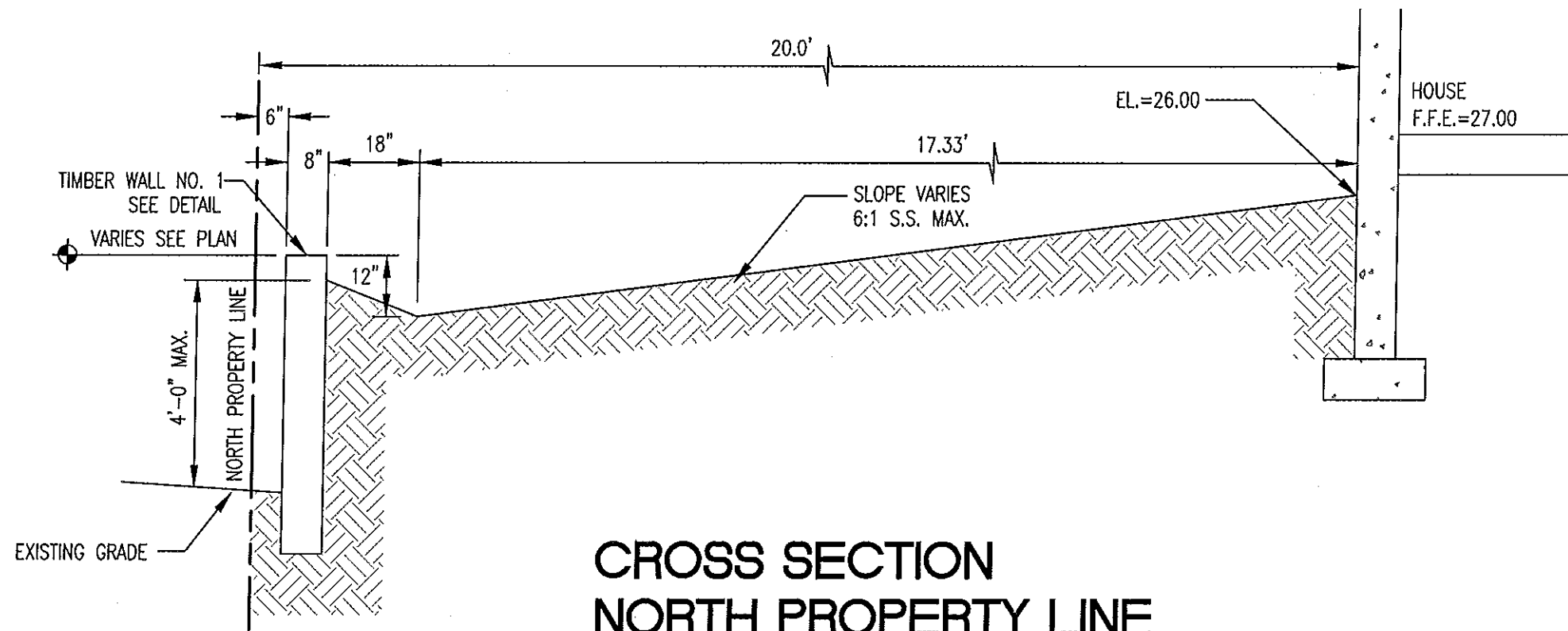
FOR:
STEPHANIE DEEB
WELLBUILT HOMES, INC.
9400 RIVER CROSSING BLVD. SUITE 102
NEW PORT RICHEY, FL 34655

PROJECT:
LOT 10 & PORTION LOT 9
NAVARAEZ AVENUE
DESOTO ESTATES
SAFETY HARBOR, FLORIDA

I HEREBY CERTIFY THAT
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SUPERVISION AND THAT I
AM A QUALIFIED
CIVIL ENGINEER UNDER
THE LAWS OF THE STATE
OF FLORIDA. AS WITNESSED
BY MY HAND AND SEAL

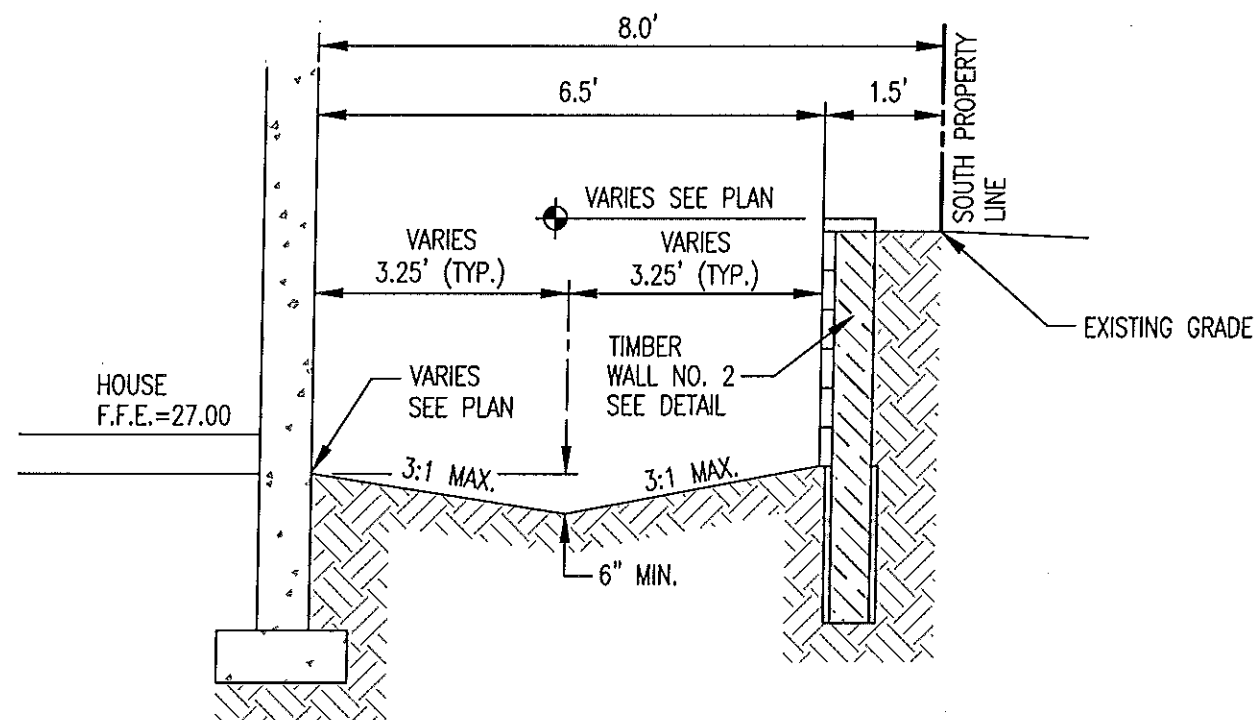
DATE: -
DRAWN BY: AVF

D2



**CROSS SECTION
NORTH PROPERTY LINE**

N.T.S.



**CROSS SECTION
SOUTH PROPERTY LINE**

N.T.S.

Gary A.
Boucher, P.
E. 22885

Digitally signed by: Gary A. Boucher, P.E. 22885
DN: CN = Gary A. Boucher, P.E. 22885 email =
gboucher@ozonamail.com C = AD O = Ozona
Engineering, Inc. OU = Professional Engineer
Date: 2017.07.05 10:24:46 -05'00'

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNED BY MY HAND AND SEAL.

STATE CERT. OF AUTH. #00000422

Ozona
Engineering, Inc.
P.O. Box 432
Ozona, Florida 34660-432
Phone: (727) 785-3939 Fax: (727) 785-3434

FOR:

STEPHANIE DEEB
WELLBUILT HOMES, INC.
9400 RIVER CROSSING BLVD. SUITE 102
NEW PORT RICHEY, FL 34855

PROJECT:

LOT 10 & PORTION LOT 9
NAVARAEZ AVENUE
DESOTO ESTATES
SAFETY HARBOR, FLORIDA

DATE: -
DRAWN BY: AVF

D1