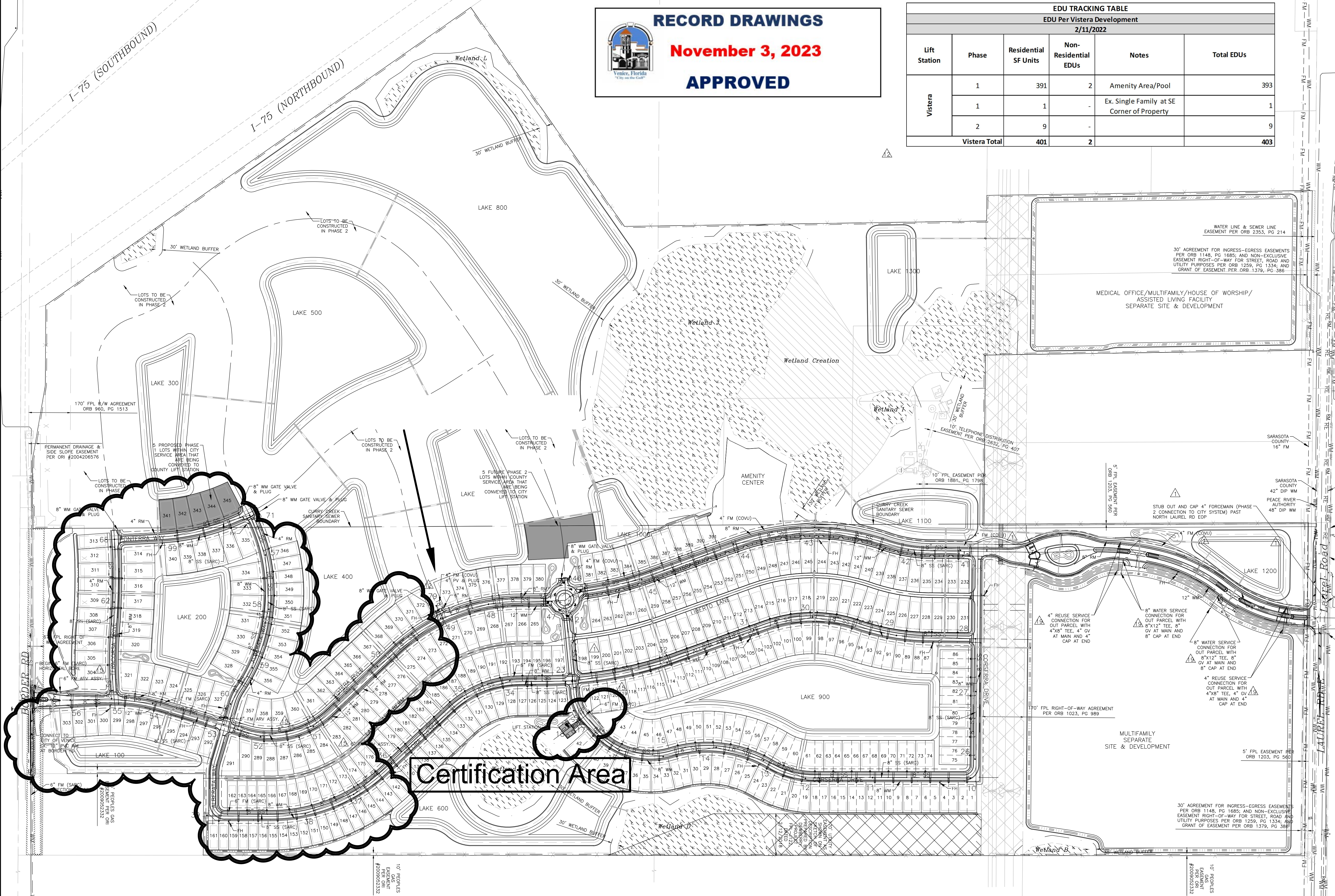


PARTIAL RECORD DRAWING VISTERA - PHASE 1- SEGMENT 4

RECORD DRAWINGS
November 3, 2023
APPROVED

EDU TRACKING TABLE					
EDU Per Vistera Development					
2/11/2022					
Lift Station	Phase	Residential SF Units	Non-Residential EDUs	Notes	Total EDUs
Vistera	1	391	2	Amenity Area/Pool	393
	1	1	-	Ex. Single Family at SE Corner of Property	1
	2	9	-		9
Vistera Total		401	2		403



- SARASOTA COUNTY MANHOLE LINE NOTES:**
- PLEASE NOTE ALL PROPOSED MANHOLES REQUIRING LINERS (LIFT STATION WET WELL, FIRST UPSTREAM MANHOLE FROM THE LIFT STATION, MANHOLES WITH OPPOSING FLOWS, DROP MANHOLES AND CONNECTION OF THE PROPOSED FORCE MAIN TO A MANHOLE AND THE NEXT TWO (2) DOWNSTREAM MANHOLES) THAT ARE REQUIRED TO BE LINED SHALL BE LINED WITH THE FOLLOWING: (PER SARASOTA COUNTY UTILITY MANUAL 4.13.2.C.2)
 - A. AGRU SURE-GRIP LINER - POLYPROPYLENE RANDOM CO-POLYMER (PP-R) AS MANUFACTURED BY AGRU/AMERICAN, INC. GEORGETOWN, SC.
 - B. ROYAL ANCHOR SYSTEMS, INC. STACY, MN.
 - C. DURA PLATE 100 LINER - POLYVINYL CHLORIDE (PVC) BY A-LOK PRODUCTS INC., TULLYTOWN, PA.
 - D. GU FIBERGLASS REINFORCED PLASTIC - POLYURETHANE HYBRID POLYMER AS MANUFACTURED BY GU FLORIDA, INC. SARASOTA, FL.
 - ALL EXISTING MANHOLES (AT THE CONNECTION OF THE PROPOSED FORCE MAIN TO THE EXISTING MANHOLE AND THE NEXT TWO (2) DOWNSTREAM MANHOLES, (PER ULRWSSC SEC. 13.13.2.C.2)) SHALL BE COATED WITH THE FOLLOWING:
 - A. SEWERCOAT AS MANUFACTURED BY KERNOES INC., CHESAPEAKE, VA.
 - B. RAVEN 405 AS MANUFACTURED BY RAVEN LINING SYSTEMS, TULSA, OK.
- WATER, SEWER & RECLAIM SERVICE PROVIDER NOTES:**
- FOR PHASE 1 OF THIS DEVELOPMENT AND FOR THE NE MULTI-FAMILY OUTPARCEL, THE WATER AND REUSE SERVICE SHALL BE PROVIDED BY THE CITY OF VENICE.
 - FOR PHASE 1 OF THIS DEVELOPMENT AND FOR THE NE MULTI-FAMILY OUTPARCEL, THE WASTEWATER SERVICE SHALL BE PROVIDED BY SARASOTA COUNTY. FURTHER, SARASOTA COUNTY SHALL OWN AND MAINTAIN THE ON-SITE PUMP STATION AND THE CONNECTING FORCEMAIN.
 - FOR PHASE 2 OF THIS DEVELOPMENT AND FOR THE NEW OUTPARCEL, THE WATER, REUSE AND WASTEWATER SERVICE SHALL BE PROVIDED BY THE CITY OF VENICE.

LEGEND:

	WETLAND AREAS
	WETLAND CREATION

REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
10/10/22		PARTIAL RECORD DRAWING	TER
19	08/03/22	ADD WATER AND REUSE SERVICES FOR NE OUTPARCEL	ERC
15	04/16/22	CHANGES PER FDEP COMMENTS	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD
1	05/13/21	CHANGES PER BIDDERS RFIs	CD

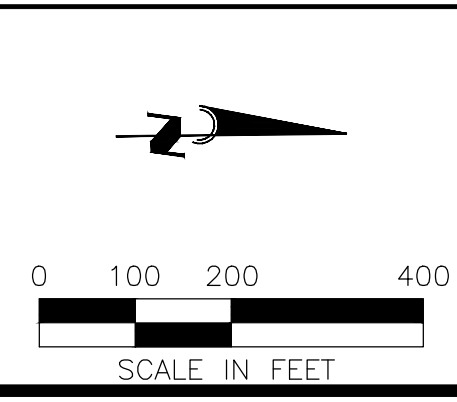
CALL BEFORE YOU DIG!
"SUNSHINE STATE ONE-CALL CENTER"
1-800-432-4770
THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

ISSUE DATE: 08/19/22
ISSUE DESCRIPTION: RECORD DRAWINGS

Civil Engineering | Land Surveying

AM ENGINEERING, LLC.

8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengllc.com
CA #33105 | LB #4334

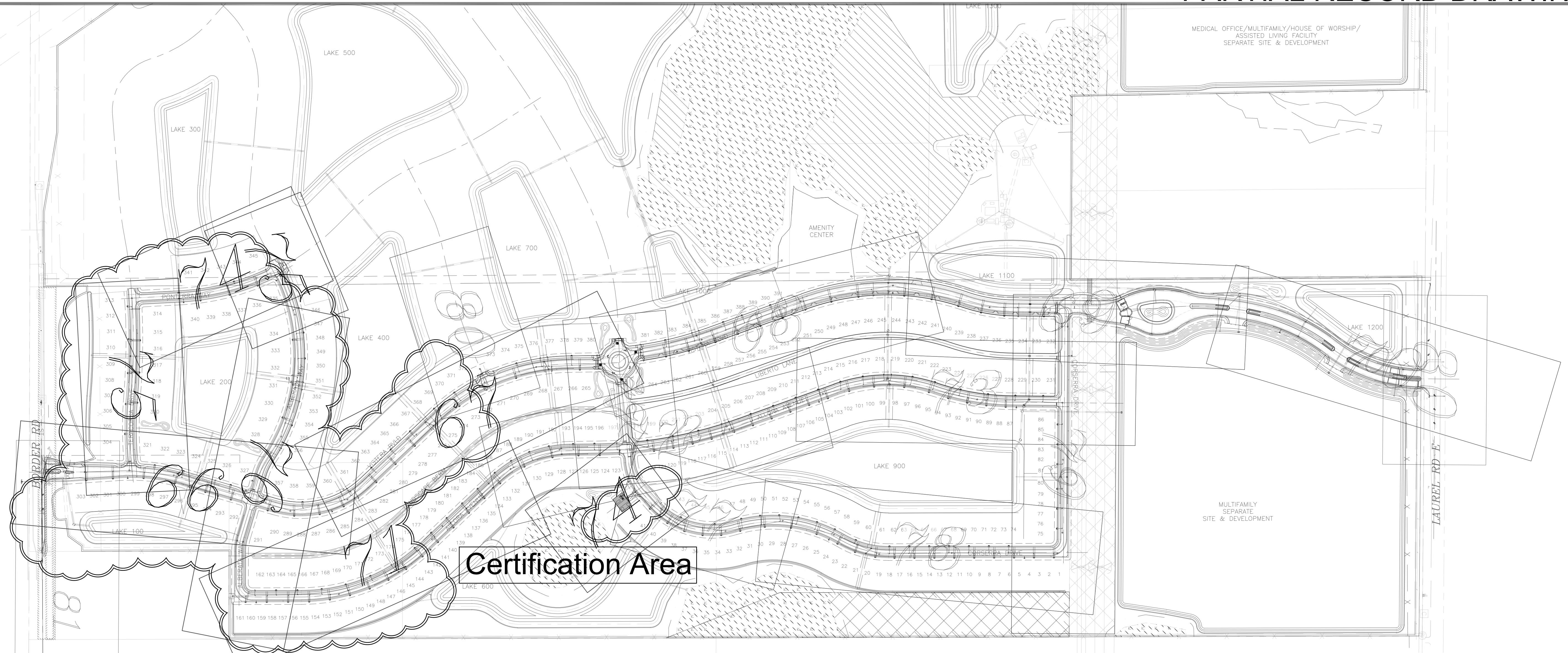


BORDER ROAD INVESTMENTS, LLC
VISTERA OF VENICE
RECORD MASTER UTILITY PLAN

HORIZONTAL SCALE: 1"=200'
VERTICAL SCALE: N/A
VERTICAL DATUM: NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 64A

DATE: 11/03/23
DESIGNED BY: BOBBI R. CLAYBROOKE, P.E.
FLORIDA P.E. NO. 90804

08/19/2023 8:23:51 AM I:\Projects\2023\081923\081923_VisPh1Seg4\Drawings\081923_VisPh1Seg4_MUP.dwg PLOT: 11/03/23 11:02:22 AM



Certification Area

RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFWM COMMENTS AND CONTRACTOR RFIs	CD

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 1-800-432-4770
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ISSUE DATE: 08/19/22
 ISSUED BY: CD

RECORD DRAWINGS

AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengfl.com
 CA #33105 | LB #4334

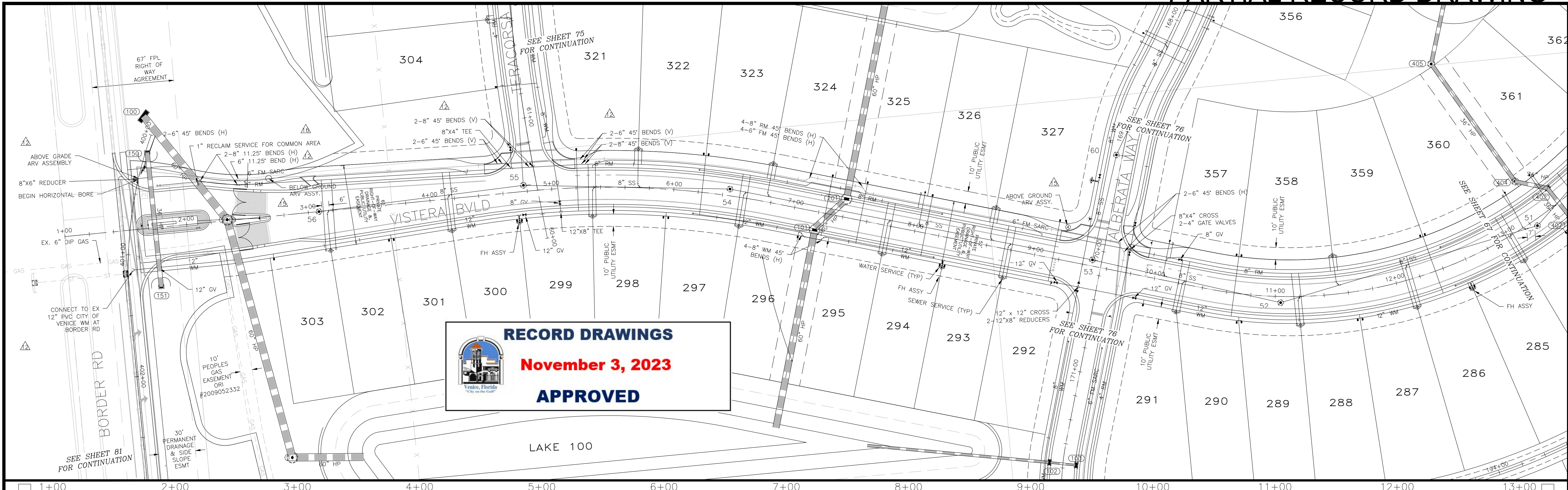
SCALE IN FEET

CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 FILE: RECORD
 UTILITY KEY SHEET

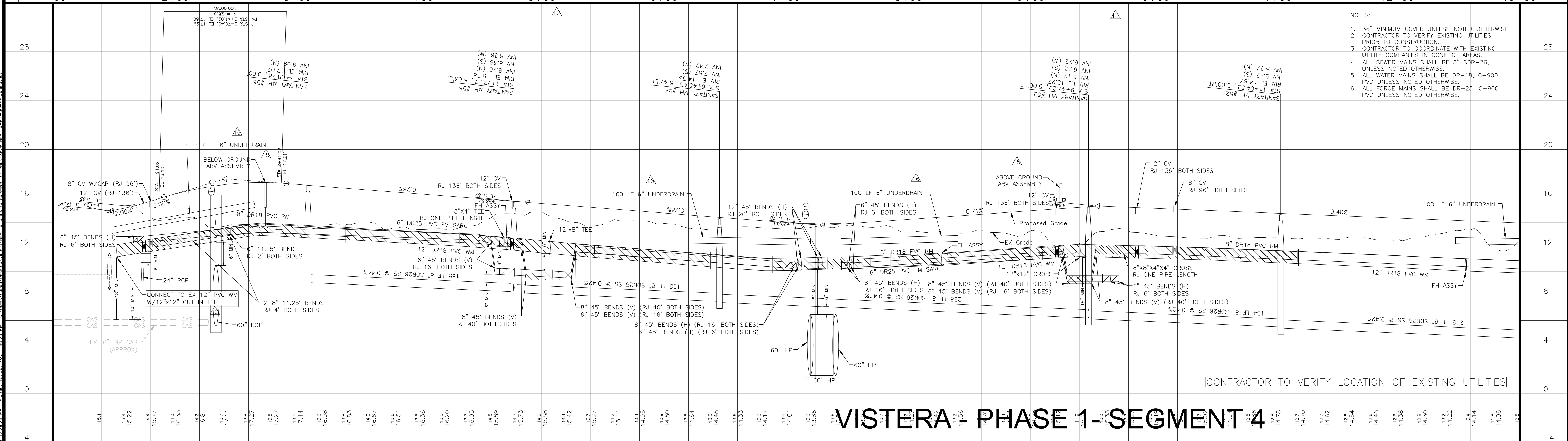
HORIZONTAL SCALE: 1"=200'
 VERTICAL SCALE: N/A
 VERTICAL DATUM: NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 65

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804

© 2023 Am Engineering, LLC. 10/6/2023 11:59:33 AM | Plotfile: I:\Users\kayla\Desktop\Projects\2023\11-29-23\11-29-23.dwg | P:\Users\kayla\Desktop\Projects\2023\11-29-23\11-29-23.dwg



RECORD DRAWINGS
November 3, 2023
APPROVED

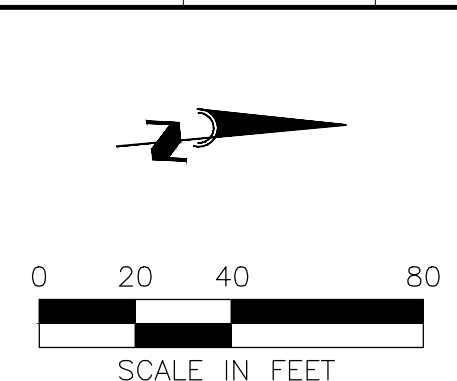


- NOTES:**
- 36" MINIMUM COVER UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
 - ALL SEWER MAINS SHALL BE DR-18, C-900 UNLESS NOTED OTHERWISE.
 - ALL WATER MAINS SHALL BE DR-18, C-900 UNLESS NOTED OTHERWISE.
 - ALL FORCE MAINS SHALL BE DR-25, C-900 PVC UNLESS NOTED OTHERWISE.

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
15	04/16/22	CHANGES PER FDEP COMMENTS	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

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 1-800-432-4770
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 ISSUE DATE: **08/19/22**
RECORD DRAWINGS

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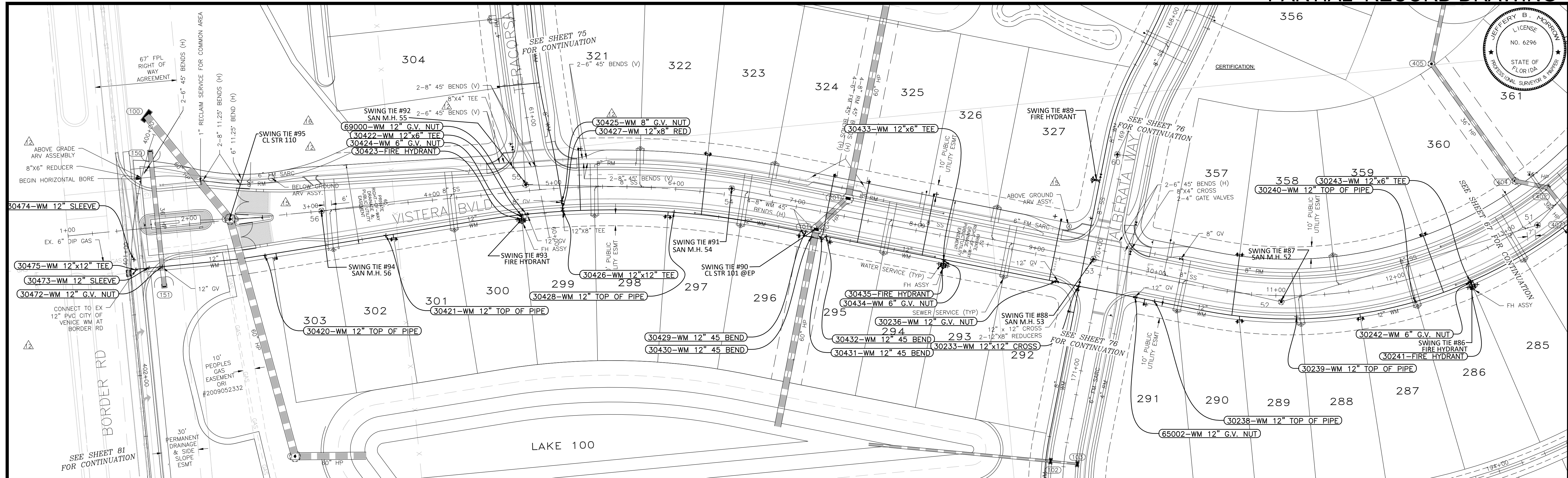
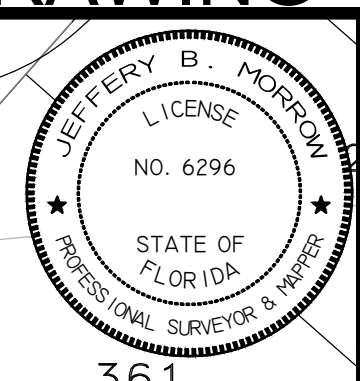


BORDER ROAD INVESTMENTS, LLC
 VISTERA OF VENICE
RECORD PLAN AND PROFILE
 VISTERA BOULEVARD
 STA 1+00 TO STA 13+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 DATUM: NGVD 1929
 SHEET NUMBER: NEAL0016
 DATE: 66

PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, P.E.
 FLORIDA P.E. No. 90804

Date: 08/19/2022 10:22:28 AM | Path: C:\Users\kessal\Documents\Projects\2022\102228\102228.dwg | User: kessal | Plot: 102228.dwg | Plot Date: 08/19/2022 10:22:28 AM | Plot Path: C:\Users\kessal\Documents\Projects\2022\102228\102228.dwg | Plot Scale: 1"=40' | Plot Orientation: Landscape | Plot Size: 24" x 36" | Plot Title: VISTERA - PHASE 1 - SEGMENT 4



SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30233	WM 12"x12" CROSS	SWING TIE 88 - SAN M.H. 53	25.2	SWING TIE 89 - FIRE HYDRANT	89.2	10.8
30236	WM 12" G.V. NUT	SWING TIE 88 - SAN M.H. 53	35.0	SWING TIE 89 - FIRE HYDRANT	89.7	13.0
30238	WM 12" TOP OF PIPE	SWING TIE 88 - SAN M.H. 53	60.8	SWING TIE 89 - FIRE HYDRANT	110.7	12.4
30239	WM 12" TOP OF PIPE	SWING TIE 86 - FIRE HYDRANT	146.0	SWING TIE 87 - SAN M.H. 52	18.2	12.5
30240	WM 12" TOP OF PIPE	SWING TIE 86 - FIRE HYDRANT	48.5	SWING TIE 87 - SAN M.H. 52	109.7	11.7
30242	WM 6" G.V. NUT	SWING TIE 86 - FIRE HYDRANT	2.4	SWING TIE 87 - SAN M.H. 52	155.8	11.8
30243	WM 12"x6" TEE	SWING TIE 86 - FIRE HYDRANT	3.2	SWING TIE 87 - SAN M.H. 52	155.6	11.2
30420	WM 12" TOP OF PIPE	SWING TIE 94 - SAN M.H. 56	58.8	SWING TIE 95 - CL STR 110	41.6	12.8
30421	WM 12" TOP OF PIPE	SWING TIE 92 - SAN M.H. 55	122.7	SWING TIE 93 - FIRE HYDRANT	112.3	12.9
30422	WM 12"x6" TEE	SWING TIE 91 - SAN M.H. 54	173.6	SWING TIE 92 - SAN M.H. 55	25.8	12.8
30423	FIRE HYDRANT	SWING TIE 91 - SAN M.H. 54	173.9	SWING TIE 92 - SAN M.H. 55	29.0	18.5
30424	WM 6" G.V. NUT	SWING TIE 91 - SAN M.H. 54	173.7	SWING TIE 92 - SAN M.H. 55	27.0	13.6
30425	WM 8" G.V. NUT	SWING TIE 91 - SAN M.H. 54	139.8	SWING TIE 92 - SAN M.H. 55	32.0	13.2
30426	WM 12"x12" TEE	SWING TIE 91 - SAN M.H. 54	139.5	SWING TIE 92 - SAN M.H. 55	36.9	12.3
30427	WM 12"x8" RED	SWING TIE 91 - SAN M.H. 54	139.9	SWING TIE 92 - SAN M.H. 55	35.2	12.3
30428	WM 12" TOP OF PIPE	SWING TIE 90 - CL STR 101 @EP	117.6	SWING TIE 91 - SAN M.H. 54	51.1	11.6
30429	WM 12" 45 BEND	SWING TIE 90 - CL STR 101 @EP	9.4	SWING TIE 91 - SAN M.H. 54	70.3	10.7
30430	WM 12" 45 BEND	SWING TIE 90 - CL STR 101 @EP	8.1	SWING TIE 91 - SAN M.H. 54	76.3	10.8
30431	WM 12" 45 BEND	SWING TIE 90 - CL STR 101 @EP	8.3	SWING TIE 91 - SAN M.H. 54	83.6	10.5
30432	WM 12" 45 BEND	SWING TIE 90 - CL STR 101 @EP	10.4	SWING TIE 91 - SAN M.H. 54	86.9	10.6
30433	WM 12"x6" TEE	SWING TIE 88 - SAN M.H. 53	122.4	SWING TIE 89 - FIRE HYDRANT	141.4	11.5
30434	WM 6" G.V. NUT	SWING TIE 88 - SAN M.H. 53	122.1	SWING TIE 89 - FIRE HYDRANT	141.7	10.9
30435	FIRE HYDRANT	SWING TIE 88 - SAN M.H. 53	122.7	SWING TIE 89 - FIRE HYDRANT	143.2	15.7
30472	WM 12" G.V. NUT	SWING TIE 94 - SAN M.H. 56	137.9	SWING TIE 95 - CL STR 110	67.4	14.0
30473	WM 12" SLEEVE	SWING TIE 94 - SAN M.H. 56	148.7	SWING TIE 95 - CL STR 110	77.2	12.1
30474	WM 12" SLEEVE	SWING TIE 94 - SAN M.H. 56	158.5	SWING TIE 95 - CL STR 110	85.0	12.4
30475	WM 12"x12" TEE	SWING TIE 94 - SAN M.H. 56	159.5	SWING TIE 95 - CL STR 110	87.4	12.4
65002	WM 12" G.V. NUT	SWING TIE 88 - SAN M.H. 53	48.8	SWING TIE 87 - SAN M.H. 52	120.8	13.4
69000	WM 12" G.V. NUT	SWING TIE 92 - SAN M.H. 55	24.8	SWING TIE 93 - FIRE HYDRANT	7.1	14.3

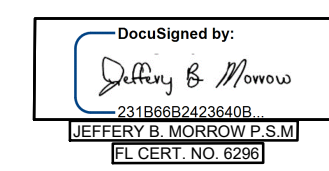
SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
285	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	4.5	SWING TIE 87 - SAN M.H. 52	161.1
286	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	3.8	SWING TIE 87 - SAN M.H. 52	153.4
287	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	93.7	SWING TIE 87 - SAN M.H. 52	68.3
288	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	97.1	SWING TIE 87 - SAN M.H. 52	65.0
289	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	132.1	SWING TIE 89 - FIRE HYDRANT	166.7
290	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	128.9	SWING TIE 89 - FIRE HYDRANT	164.4
291	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	57.0	SWING TIE 89 - FIRE HYDRANT	110.6
293	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	119.1	SWING TIE 89 - FIRE HYDRANT	140.8
294	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	126.6	SWING TIE 89 - FIRE HYDRANT	146.6
295	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	16.3	SWING TIE 91 - SAN M.H. 54	92.4
296	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	16.0	SWING TIE 91 - SAN M.H. 54	67.1
297	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	120.4	SWING TIE 91 - SAN M.H. 54	55.8
298	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	124.5	SWING TIE 91 - SAN M.H. 54	59.3
299	1" WATER METER BOX	SWING TIE 92 - SAN M.H. 55	29.5	SWING TIE 93 - FIRE HYDRANT	3.2
300	1" WATER METER BOX	SWING TIE 92 - SAN M.H. 55	30.1	SWING TIE 93 - FIRE HYDRANT	3.8
301	1" WATER METER BOX	SWING TIE 92 - SAN M.H. 55	116.2	SWING TIE 93 - FIRE HYDRANT	104.6
302	1" WATER METER BOX	SWING TIE 92 - SAN M.H. 55	119.6	SWING TIE 93 - FIRE HYDRANT	108.1
303	1" WATER METER BOX	SWING TIE 94 - SAN M.H. 56	54.4	SWING TIE 95 - CL STR 110	49.3
321	1" WATER METER BOX	SWING TIE 92 - SAN M.H. 55	53.2	SWING TIE 93 - FIRE HYDRANT	75.4
322	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	109.6	SWING TIE 91 - SAN M.H. 54	35.8
323	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	106.5	SWING TIE 91 - SAN M.H. 54	33.3
324	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	45.8	SWING TIE 91 - SAN M.H. 54	85.6
325	1" WATER METER BOX	SWING TIE 90 - CL STR 101 @EP	57.4	SWING TIE 91 - SAN M.H. 54	112.6
326	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	139.0	SWING TIE 89 - FIRE HYDRANT	131.4
327	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	47.2	SWING TIE 89 - FIRE HYDRANT	45.4
357	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	118.4	SWING TIE 89 - FIRE HYDRANT	131.1
358	1" WATER METER BOX	SWING TIE 88 - SAN M.H. 53	122.3	SWING TIE 89 - FIRE HYDRANT	134.7
359	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	58.0	SWING TIE 87 - SAN M.H. 52	126.6
360	1" WATER METER BOX	SWING TIE 86 - FIRE HYDRANT	56.3	SWING TIE 87 - SAN M.H. 52	130.4

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
8111 Blaikie Court, Suite E
Sarasota, FL 34240
Phone: (941) 378-4797
Fax: (941) 378-0058

I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.E. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23		RECORD DRAWINGS	JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
15	04/16/22	CHANGES PER FDEP COMMENTS	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

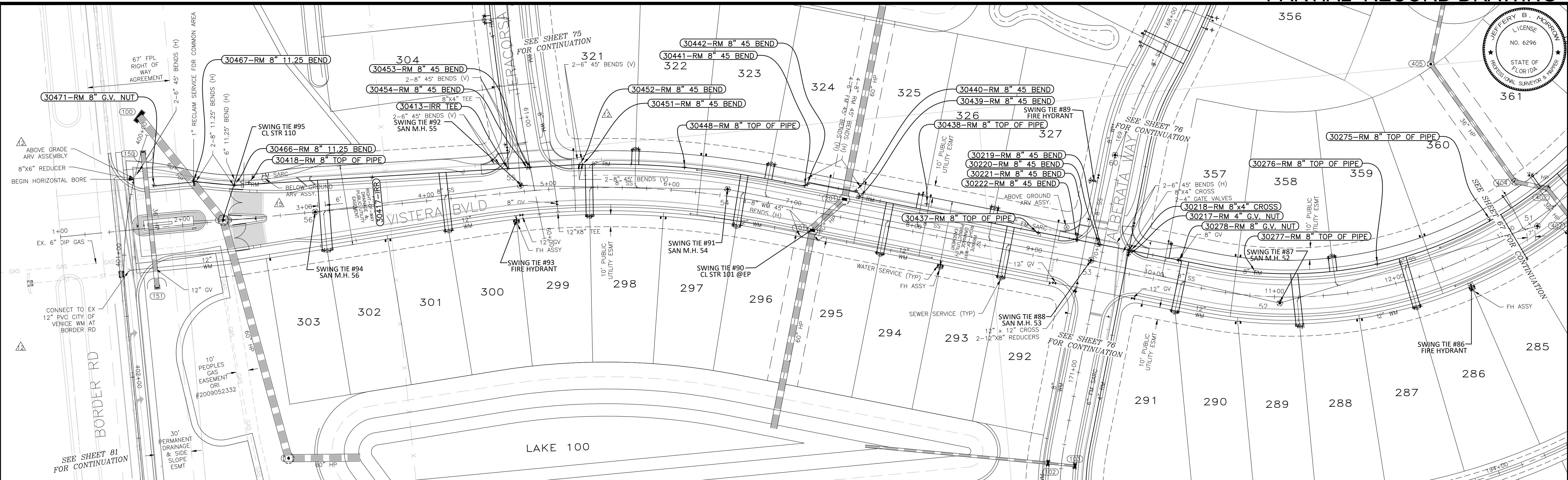
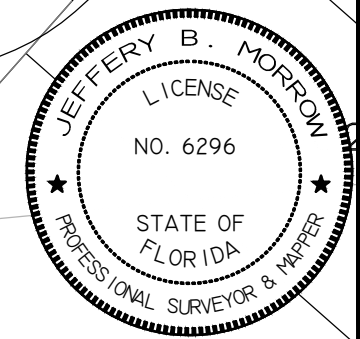
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ISSUE DATE: 08/19/22
ISSUE DESCRIPTION: RECORD DRAWINGS

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Civil Engineering | Land Surveying
8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengll.com
CA #33105 | LB #4334

SCALE IN FEET
0 20 40 80

CLIENT: BORDER ROAD INVESTMENTS, LLC
PROJECT: VISTERA OF VENICE
RECORDPLAN AND PROFILE
VISTERA BOULEVARD
STA 1+00 TO STA 13+00

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
DATE: 11/03/23
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 66A
BOBBI R. CLAYBROOKE, P.E.
FLORIDA P.E. NO. 90804



SWING TIE INFORMATION - REUSE MAIN

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
286	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	44.5	SWING TIE 87 - SAN M.H. 52	114.7
287	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	49.3	SWING TIE 87 - SAN M.H. 52	110.1
288	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	141.7	SWING TIE 87 - SAN M.H. 52	27.3
289	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	145.1	SWING TIE 87 - SAN M.H. 52	24.6
290	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	82.0	SWING TIE 89 - FIRE HYDRANT	127.3
291	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	77.4	SWING TIE 89 - FIRE HYDRANT	123.7
292	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	73.3	SWING TIE 89 - FIRE HYDRANT	108.8
293	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	76.9	SWING TIE 89 - FIRE HYDRANT	110.8
294	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	170.4	SWING TIE 90 - CL STR 101 @EP	59.9
295	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	174.4	SWING TIE 90 - CL STR 101 @EP	55.7
296	1" REUSE METER BOX	SWING TIE 90 - CL STR 101 @EP	59.0	SWING TIE 91 - SAN M.H. 54	31.1
297	1" REUSE METER BOX	SWING TIE 90 - CL STR 101 @EP	64.3	SWING TIE 91 - SAN M.H. 54	29.0
298	1" REUSE METER BOX	SWING TIE 91 - SAN M.H. 54	113.1	SWING TIE 92 - SAN M.H. 55	62.6
299	1" REUSE METER BOX	SWING TIE 91 - SAN M.H. 54	116.6	SWING TIE 92 - SAN M.H. 55	59.5
300	1" REUSE METER BOX	SWING TIE 92 - SAN M.H. 55	67.7	SWING TIE 93 - SAN M.H. 56	112.4
301	1" REUSE METER BOX	SWING TIE 92 - SAN M.H. 55	72.5	SWING TIE 93 - SAN M.H. 56	107.4
302	1" REUSE METER BOX	SWING TIE 92 - SAN M.H. 55	164.6	SWING TIE 93 - SAN M.H. 56	33.3
303	1" REUSE METER BOX	SWING TIE 92 - SAN M.H. 55	169.3	SWING TIE 93 - SAN M.H. 56	31.8
321	1" REUSE METER BOX	SWING TIE 91 - SAN M.H. 54	83.6	SWING TIE 92 - SAN M.H. 55	95.6
322	1" REUSE METER BOX	SWING TIE 91 - SAN M.H. 54	79.9	SWING TIE 92 - SAN M.H. 55	100.0
323	1" REUSE METER BOX	SWING TIE 90 - CL STR 101 @EP	64.4	SWING TIE 91 - SAN M.H. 54	39.1
324	1" REUSE METER BOX	SWING TIE 90 - CL STR 101 @EP	61.2	SWING TIE 91 - SAN M.H. 54	43.6
325	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	147.3	SWING TIE 90 - CL STR 101 @EP	93.9
326	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	92.2	SWING TIE 89 - FIRE HYDRANT	86.1
327	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	87.1	SWING TIE 89 - FIRE HYDRANT	83.9
357	1" REUSE METER BOX	SWING TIE 88 - SAN M.H. 53	66.8	SWING TIE 89 - FIRE HYDRANT	81.2
358	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	118.6	SWING TIE 87 - SAN M.H. 52	53.2
359	1" REUSE METER BOX	SWING TIE 86 - FIRE HYDRANT	114.4	SWING TIE 87 - SAN M.H. 52	57.9

SWING TIE INFORMATION - REUSE SERVICES

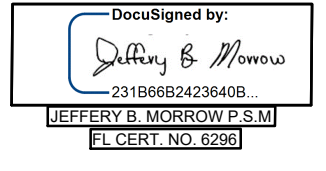
POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30275	RM 8" TOP OF PIPE	SWING TIE 86 - FIRE HYDRANT	56.0	SWING TIE 87 - SAN M.H. 52	183.8	10.5
30276	RM 8" TOP OF PIPE	SWING TIE 86 - FIRE HYDRANT	78.7	SWING TIE 87 - SAN M.H. 52	85.3	10.7
30277	RM 8" TOP OF PIPE	SWING TIE 87 - SAN M.H. 52	31.7	SWING TIE 88 - SAN M.H. 53	134.2	11.1
30278	RM 8" G.V. NUT	SWING TIE 87 - SAN M.H. 52	89.2	SWING TIE 88 - SAN M.H. 53	71.8	10.8
30217	RM 4" G.V. NUT	SWING TIE 88 - SAN M.H. 53	31.6	SWING TIE 89 - FIRE HYDRANT	67.1	12.3
30218	RM 8"x4" CROSS	SWING TIE 88 - SAN M.H. 53	33.1	SWING TIE 89 - FIRE HYDRANT	65.0	11.7
30219	RM 8" 45 BEND	SWING TIE 88 - SAN M.H. 53	15.1	SWING TIE 89 - FIRE HYDRANT	53.1	12.0
30220	RM 8" 45 BEND	SWING TIE 88 - SAN M.H. 53	15.1	SWING TIE 89 - FIRE HYDRANT	52.3	10.2
30221	RM 8" 45 BEND	SWING TIE 88 - SAN M.H. 53	20.0	SWING TIE 89 - FIRE HYDRANT	50.8	9.2
30222	RM 8" 45 BEND	SWING TIE 88 - SAN M.H. 53	20.9	SWING TIE 89 - FIRE HYDRANT	50.5	11.6
30437	RM 8" TOP OF PIPE	SWING TIE 88 - SAN M.H. 53	48.4	SWING TIE 89 - FIRE HYDRANT	62.7	11.7
30438	RM 8" TOP OF PIPE	SWING TIE 88 - SAN M.H. 53	141.5	SWING TIE 90 - CL STR 101 @EP	95.3	10.3
30439	RM 8" 45 BEND	SWING TIE 90 - CL STR 101 @EP	46.1	SWING TIE 91 - SAN M.H. 54	107.6	10.5
30440	RM 8" 45 BEND	SWING TIE 90 - CL STR 101 @EP	47.3	SWING TIE 91 - SAN M.H. 54	104.9	10.8
30441	RM 8" 45 BEND	SWING TIE 90 - CL STR 101 @EP	36.3	SWING TIE 91 - SAN M.H. 54	63.2	10.9
30442	RM 8" 45 BEND	SWING TIE 90 - CL STR 101 @EP	37.0	SWING TIE 91 - SAN M.H. 54	65.4	10.8
30448	RM 8" TOP OF PIPE	SWING TIE 90 - CL STR 101 @EP	116.2	SWING TIE 91 - SAN M.H. 54	39.4	11.8
30448	RM 8" TOP OF PIPE	SWING TIE 91 - SAN M.H. 54	39.4	SWING TIE 92 - SAN M.H. 55	134.0	11.8
30451	RM 8" 45 BEND	SWING TIE 91 - SAN M.H. 54	120.3	SWING TIE 92 - SAN M.H. 55	52.3	12.0
30452	RM 8" 45 BEND	SWING TIE 91 - SAN M.H. 54	122.2	SWING TIE 92 - SAN M.H. 55	50.6	9.7
30413	RM 8"x4" TEE	SWING TIE 92 - SAN M.H. 55	17.4	SWING TIE 93 - FIRE HYDRANT	42.7	12.4
30453	RM 8" 45 BEND	SWING TIE 92 - SAN M.H. 55	15.7	SWING TIE 93 - FIRE HYDRANT	44.2	10.0
30454	RM 8" 45 BEND	SWING TIE 92 - SAN M.H. 55	14.9	SWING TIE 93 - FIRE HYDRANT	43.7	12.5
30417	RM 8" TOP OF PIPE	SWING TIE 92 - SAN M.H. 55	121.8	SWING TIE 94 - SAN M.H. 56	54.6	12.5
30418	RM 8" TOP OF PIPE	SWING TIE 94 - SAN M.H. 56	59.2	SWING TIE 95 - CL STR 110	37.3	11.3
30466	RM 8" 11.25 BEND	SWING TIE 94 - SAN M.H. 56	69.3	SWING TIE 95 - CL STR 110	30.3	12.3
30467	RM 8" 11.25 BEND	SWING TIE 94 - SAN M.H. 56	101.9	SWING TIE 95 - CL STR 110	39.5	12.5
30471	RM 8" G.V. NUT	SWING TIE 94 - SAN M.H. 56	133.3	SWING TIE 95 - CL STR 110	63.0	13.4

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blaikie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.S.M. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



RECORD DRAWINGS
 November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23	RECORD DRAWINGS		JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
15	04/16/22	CHANGES PER FDEP COMMENTS	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770

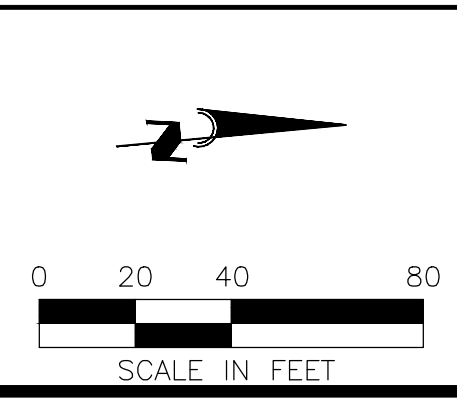
THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

ISSUE DATE: 08/19/22

ISSUE DESCRIPTION: RECORD DRAWINGS

AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying

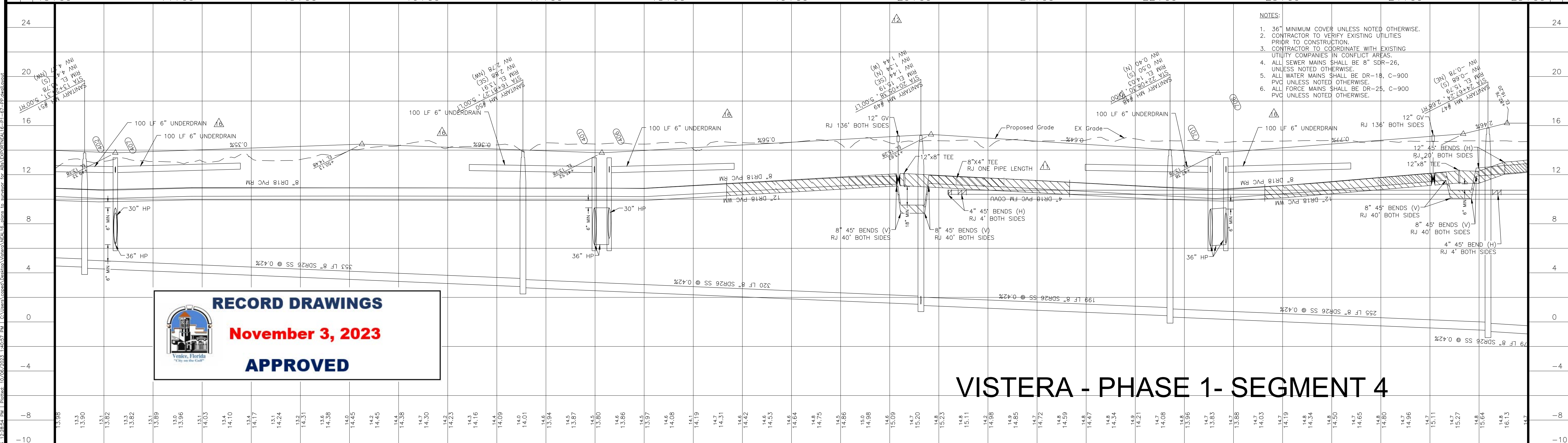
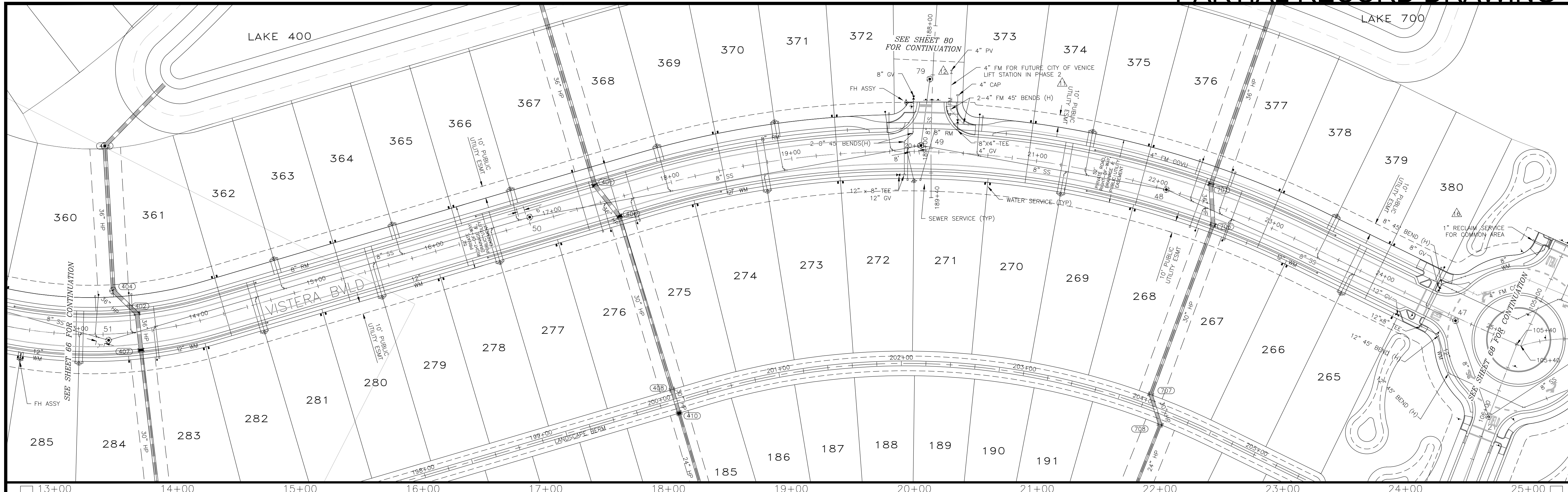
8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



OWNER: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 TITLE: RECORD PLAN AND PROFILE VISTERA BOULEVARD STA 1+00 TO STA 13+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 66 B

BOBBY R. CLAYBROOKE, P.E.
 DATE: 11/03/23
 FLORIDA P.E. NO. 90804



- NOTES:
- 36" MINIMUM COVER UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
 - ALL SEWER MAINS SHALL BE 8" SDR-26, UNLESS NOTED OTHERWISE.
 - ALL WATER MAINS SHALL BE DR-18, C-900 PVC UNLESS NOTED OTHERWISE.
 - ALL FORCE MAINS SHALL BE DR-25, C-900 PVC UNLESS NOTED OTHERWISE.

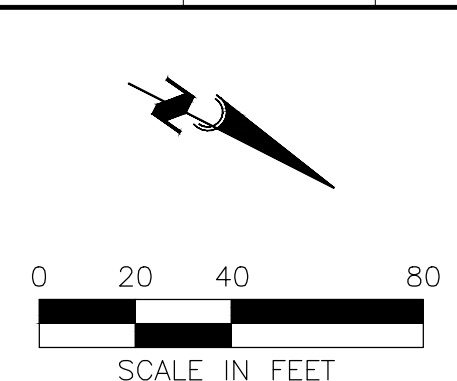
RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
11	01/27/22	CHANGES PER COV COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SIFWMD COMMENTS AND CONTRACTOR RFIs	CD

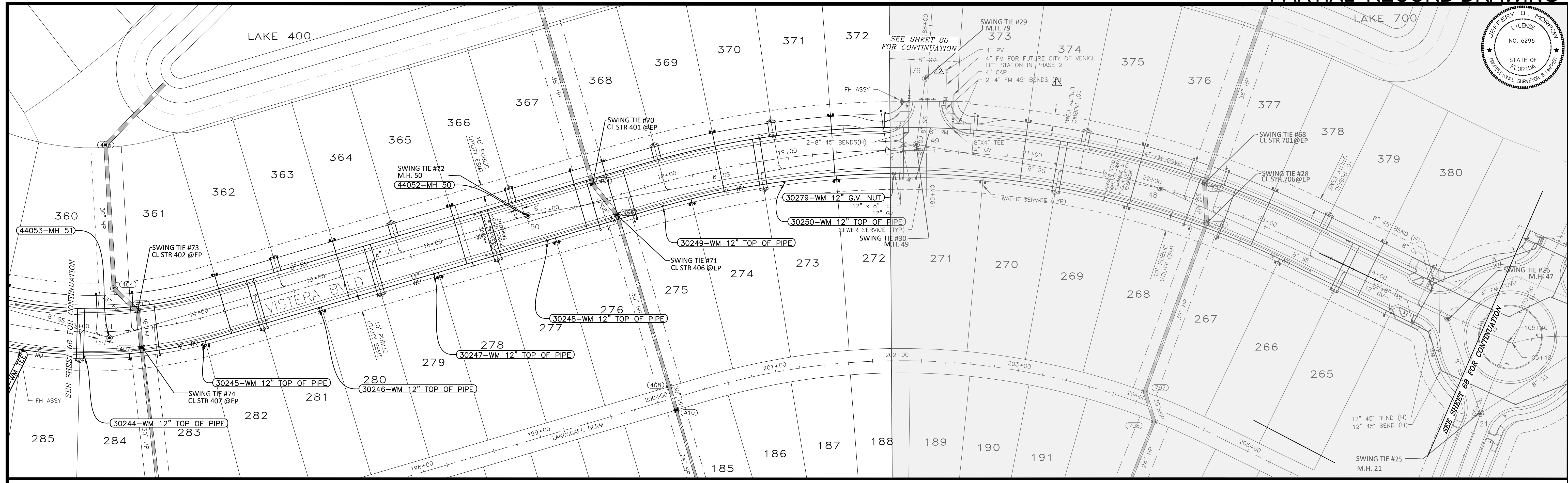
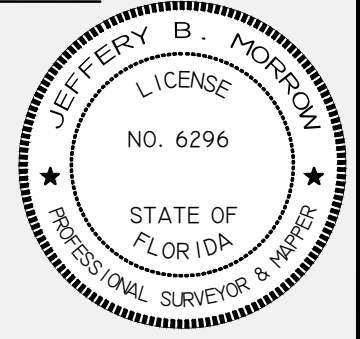
CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
 ISSUE DATE: 04-30-21
RECORD DRAWINGS

Civil Engineering | Land Surveying
ENGINEERING, LLC.
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengfl.com
 CA #33105 | LB #4334



OWNER: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 RECORDPLAN AND PROFILE
 VISTERA BOULEVARD
 STA 13+00 TO STA 25+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 VERTICAL DATUM: NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 67
 PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804



SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
272	1" WATER METER BOX	SWING TIE 29 - SAN M.H. 79	111.2	SWING TIE 30 - SAN M.H. 49	69.8
273	1" WATER METER BOX	SWING TIE 29 - SAN M.H. 79	113.6	SWING TIE 30 - SAN M.H. 49	73.3
274	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	84.7	SWING TIE 71 - CL STR 406 @EP	64.9
275	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	81.4	SWING TIE 71 - CL STR 406 @EP	61.4
276	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	54.4	SWING TIE 71 - CL STR 406 @EP	52.0
277	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	57.1	SWING TIE 71 - CL STR 406 @EP	55.8
278	1" WATER METER BOX	SWING TIE 71 - CL STR 406 @EP	151.7	SWING TIE 72 - SAN M.H. 50	86.6
279	1" WATER METER BOX	SWING TIE 71 - CL STR 406 @EP	155.1	SWING TIE 72 - SAN M.H. 50	89.8
280	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	153.3	SWING TIE 74 - CL STR 407 @EP	152.8
281	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	149.7	SWING TIE 74 - CL STR 407 @EP	149.0
282	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	64.8	SWING TIE 74 - CL STR 407 @EP	55.2
283	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	61.4	SWING TIE 74 - CL STR 407 @EP	51.3
284	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	39.0	SWING TIE 74 - CL STR 407 @EP	14.3
361	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	68.7	SWING TIE 74 - CL STR 407 @EP	82.6
362	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	72.0	SWING TIE 74 - CL STR 407 @EP	85.3
363	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	168.4	SWING TIE 74 - CL STR 407 @EP	177.2
364	1" WATER METER BOX	SWING TIE 73 - CL STR 402 @EP	172.2	SWING TIE 74 - CL STR 407 @EP	180.8
365	1" WATER METER BOX	SWING TIE 71 - CL STR 406 @EP	138.1	SWING TIE 72 - SAN M.H. 50	66.5
366	1" WATER METER BOX	SWING TIE 71 - CL STR 406 @EP	134.8	SWING TIE 72 - SAN M.H. 50	63.3
367	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	22.0	SWING TIE 71 - CL STR 406 @EP	51.9
368	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	22.3	SWING TIE 71 - CL STR 406 @EP	45.2
369	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	105.8	SWING TIE 71 - CL STR 406 @EP	102.8
370	1" WATER METER BOX	SWING TIE 70 - CL STR 401 @EP	108.9	SWING TIE 71 - CL STR 406 @EP	105.4
371	1" WATER METER BOX	SWING TIE 29 - SAN M.H. 79	85.6	SWING TIE 30 - SAN M.H. 49	75.6
372	1" WATER METER BOX	SWING TIE 29 - SAN M.H. 79	82.3	SWING TIE 30 - SAN M.H. 49	72.6

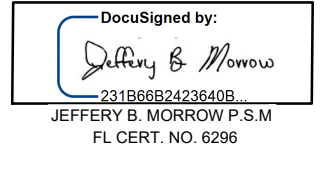
SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30250	WM 12" TOP OF PIPE	SWING TIE 29 - SAN M.H. 79	144.3	SWING TIE 30 - SAN M.H. 49	112.0	11.0
30279	WM 12" G.V. NUT	SWING TIE 29 - SAN M.H. 79	83.2	SWING TIE 30 - SAN M.H. 49	29.5	12.6
30248	WM 12" TOP OF PIPE	SWING TIE 70 - CL STR 401 @EP	59.2	SWING TIE 71 - CL STR 406 @EP	60.5	10.7
30249	WM 12" TOP OF PIPE	SWING TIE 70 - CL STR 401 @EP	59.7	SWING TIE 71 - CL STR 406 @EP	38.7	11.2
30247	WM 12" TOP OF PIPE	SWING TIE 71 - CL STR 406 @EP	157.0	SWING TIE 72 - SAN M.H. 50	90.7	10.6
30244	WM 12" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	56.8	SWING TIE 74 - CL STR 407 @EP	47.4	11.0
30245	WM 12" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	59.2	SWING TIE 74 - CL STR 407 @EP	50.1	10.4
30246	WM 12" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	148.6	SWING TIE 74 - CL STR 407 @EP	148.6	10.7

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blaikie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4787
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23



RECORD DRAWINGS
November 3, 2023
APPROVED

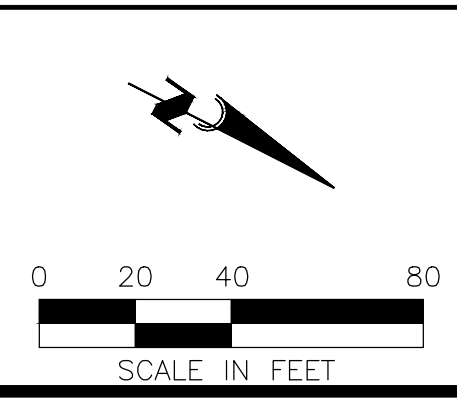
VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23	RECORD DRAWINGS		JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
11	01/27/22	CHANGES PER COV COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

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 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: RECORD DRAWINGS

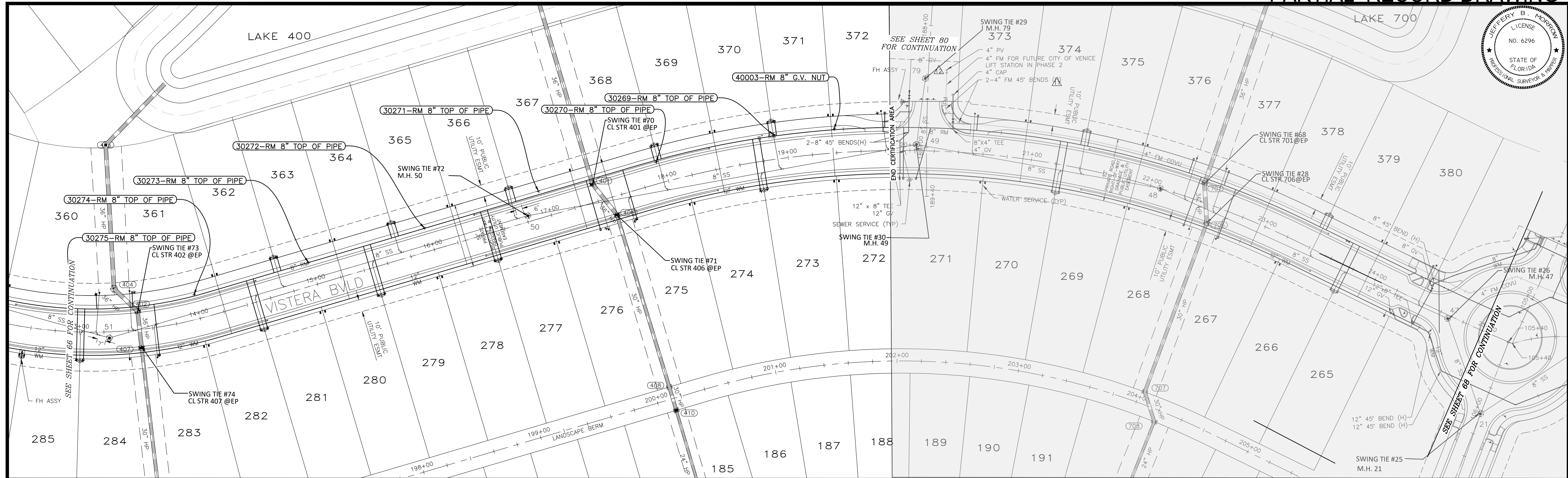
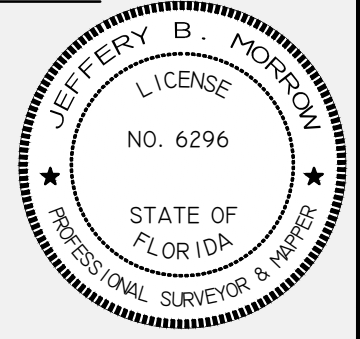
AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



PROJECT: BORDER ROAD INVESTMENTS, LLC
 VISTERA OF VENICE
 RECORDPLAN AND PROFILE
 VISTERA BOULEVARD
 STA 13+00 TO STA 25+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 67A

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: 11/03/23
 FLORIDA P.E. No. 90804



SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
273	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	143.0	SWING TIE 71 - CL STR 406 @EP	125.7
274	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	138.1	SWING TIE 71 - CL STR 406 @EP	120.5
275	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	45.3	SWING TIE 71 - CL STR 406 @EP	17.0
276	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	37.3	SWING TIE 71 - CL STR 406 @EP	14.2
277	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	96.9	SWING TIE 72 - SAN M.H. 50	41.9
278	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	101.0	SWING TIE 72 - SAN M.H. 50	45.3
279	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	203.1	SWING TIE 72 - SAN M.H. 50	133.9
280	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	198.2	SWING TIE 74 - CL STR 407 @EP	198.9
281	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	107.4	SWING TIE 74 - CL STR 407 @EP	104.5
282	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	102.7	SWING TIE 74 - CL STR 407 @EP	99.4
283	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	39.0	SWING TIE 74 - CL STR 407 @EP	15.7
284	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	59.8	SWING TIE 74 - CL STR 407 @EP	49.6
285	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	64.9	SWING TIE 74 - CL STR 407 @EP	56.3
360	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	37.4	SWING TIE 74 - CL STR 407 @EP	57.0
361	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	16.9	SWING TIE 74 - CL STR 407 @EP	44.9
362	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	117.6	SWING TIE 74 - CL STR 407 @EP	128.0
363	1" REUSE METER BOX	SWING TIE 73 - CL STR 402 @EP	122.1	SWING TIE 74 - CL STR 407 @EP	132.2
364	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	171.1	SWING TIE 72 - SAN M.H. 50	115.4
365	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	165.9	SWING TIE 72 - SAN M.H. 50	110.1
366	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	71.6	SWING TIE 72 - SAN M.H. 50	29.2
367	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	66.9	SWING TIE 72 - SAN M.H. 50	27.7
368	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	57.9	SWING TIE 71 - CL STR 406 @EP	63.3
369	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	62.7	SWING TIE 71 - CL STR 406 @EP	66.8
370	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	151.9	SWING TIE 71 - CL STR 406 @EP	144.8
371	1" REUSE METER BOX	SWING TIE 70 - CL STR 401 @EP	157.0	SWING TIE 71 - CL STR 406 @EP	149.8
372	1" REUSE METER BOX	SWING TIE 29 - SAN M.H. 79	49.3	SWING TIE 30 - SAN M.H. 49	41.0

SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30269	RM 8" TOP OF PIPE	SWING TIE 29 - SAN M.H. 79	133.0	SWING TIE 30 - SNA M.H. 49	116.6	10.9
40003	RM 8" G.V. NUT	SWING TIE 29 - SAN M.H. 79	86.1	SWING TIE 30 - SNA M.H. 49	68.3	13.1
30270	RM 8" TOP OF PIPE	SWING TIE 70 - CL STR 401 @EP	55.3	SWING TIE 71 - CL STR 406 @EP	54.0	10.9
30271	RM 8" TOP OF PIPE	SWING TIE 70 - CL STR 401 @EP	44.8	SWING TIE 72 - SAN M.H. 50	22.1	10.7
30272	RM 8" TOP OF PIPE	SWING TIE 70 - CL STR 401 @EP	142.5	SWING TIE 72 - SAN M.H. 50	85.7	10.5
30273	RM 8" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	146.0	SWING TIE 74 - CL STR 407 @EP	153.3	10.7
30274	RM 8" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	48.9	SWING TIE 74 - CL STR 407 @EP	60.8	10.7
30275	RM 8" TOP OF PIPE	SWING TIE 73 - CL STR 402 @EP	53.4	SWING TIE 74 - CL STR 407 @EP	65.0	10.5

POINT BREAK SURVEYING, LLC

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 Phone: (941) 378-4787
 Fax: (941) 378-0058

CERTIFICATION: I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23

DocuSigned by:
 Jeffery B. Morrow
 JEFFERY B. MORROW P.S.M.
 FL CERT. NO. 6296

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.S.M. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



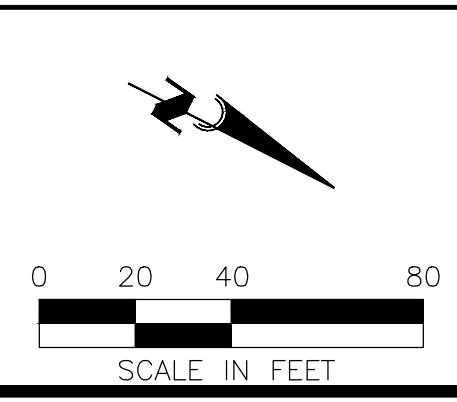
VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23	RECORD DRAWINGS		JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
11	01/27/22	CHANGES PER COV COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: RECORD DRAWINGS

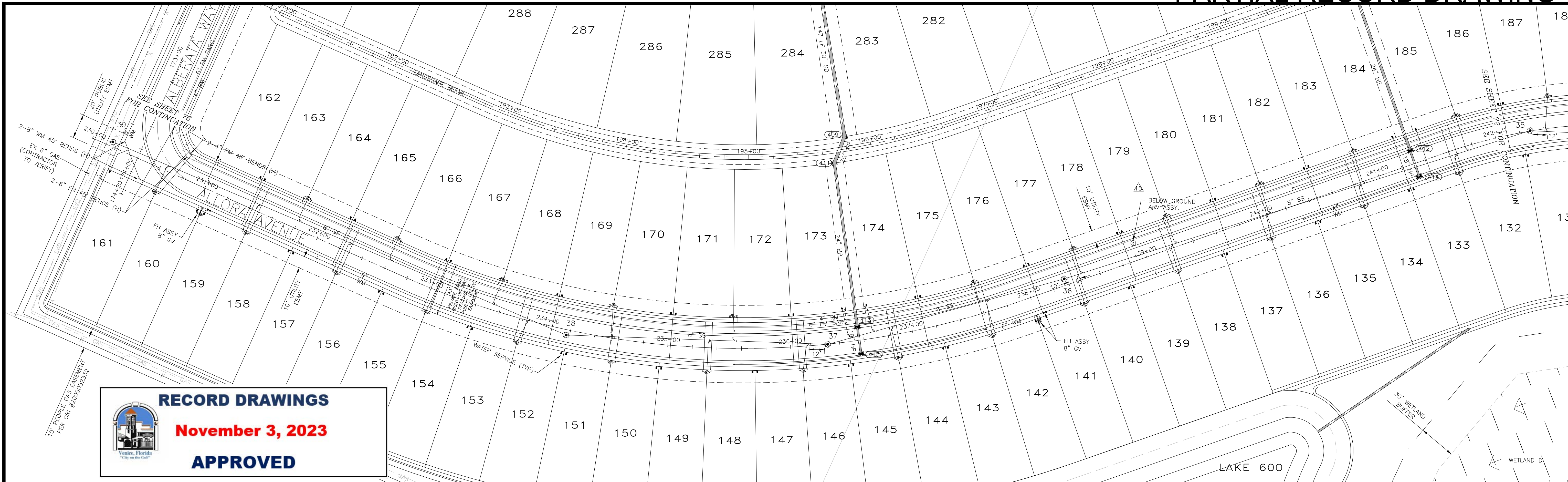
AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



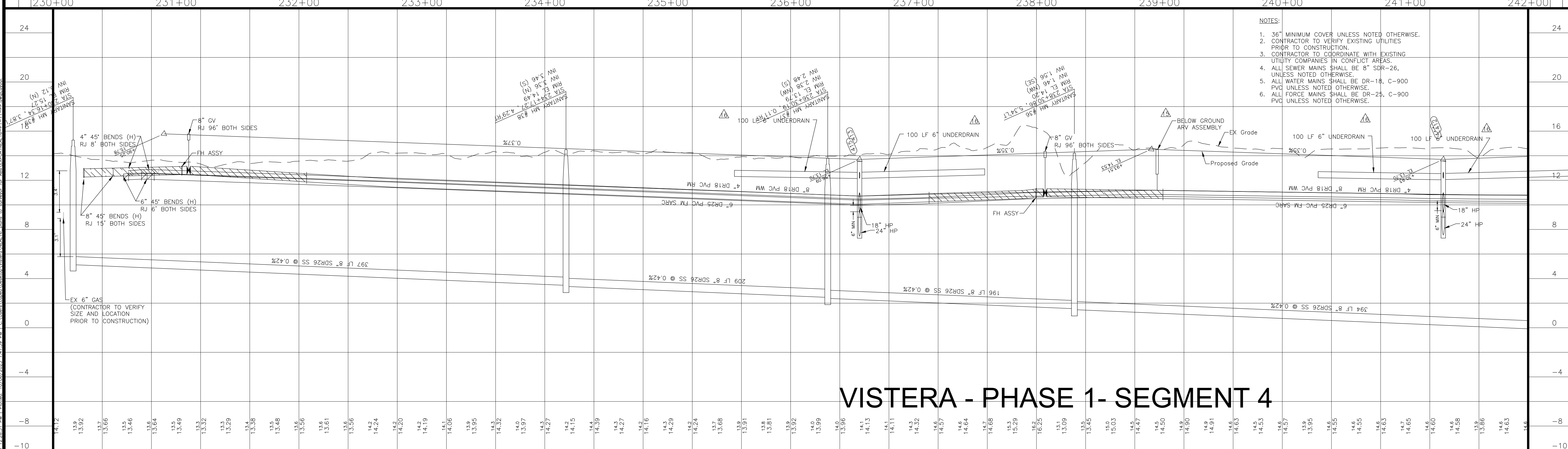
OWNER: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 TITLE: RECORDPLAN AND PROFILE VISTERA BOULEVARD STA 13+00 TO STA 25+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 NGVD 1929
 SHEET NUMBER: NEAL0016
 TOTAL SHEETS: 67 B

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. NO. 90804



RECORD DRAWINGS
November 3, 2023
APPROVED

- NOTES:
- 36" MINIMUM COVER UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
 - ALL SEWER MAINS SHALL BE 8" SDR-26, UNLESS NOTED OTHERWISE.
 - ALL WATER MAINS SHALL BE DR-18, C-900 PVC UNLESS NOTED OTHERWISE.
 - ALL FORCE MAINS SHALL BE DR-25, C-900 PVC UNLESS NOTED OTHERWISE.

VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
15	04/16/22	CHANGES PER PDEP COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

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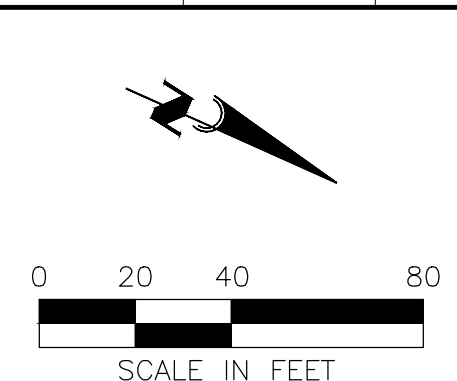
ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: RECORD DRAWINGS

Civil Engineering | Land Surveying



ENGINEERING, LLC.

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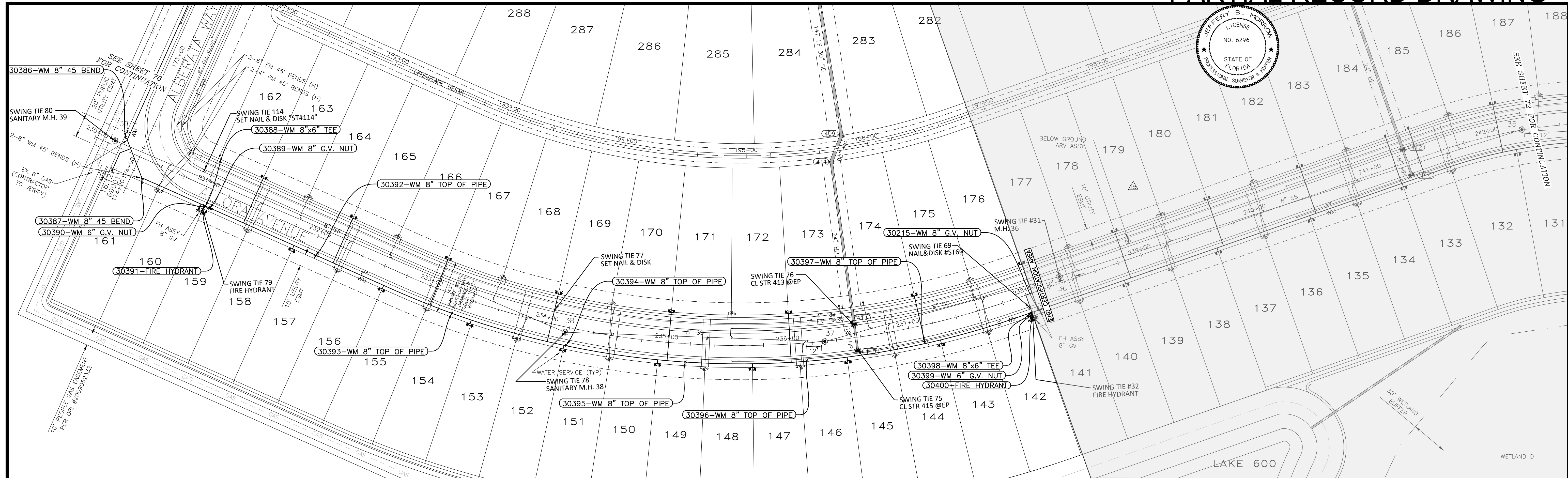


OWNER: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 RECORDPLAN AND PROFILE
 ALLORA AVENUE
 STA 230+00 TO STA 242+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 VERTICAL DATUM: NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 71

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804

Date: 11/03/2023 10:24:17 AM | Project: 19/20/2023 1:41:58 PM | Location: C:\Users\jessica\OneDrive\Documents\Projects\19/20/2023\19-20-2023-19-20-2023.dwg | User: jessica



SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL.
30215	WM 8" G.V. NUT	SWING TIE 31 - SAN M.H. 36	30.2	SWING TIE 69 - SET NAIL & DISK "ST#69"	8.5	11.2
30398	WM 8"x6" TEE	SWING TIE 31 - SAN M.H. 36	36.2	SWING TIE 69 - SET NAIL & DISK "ST#69"	4.7	10.9
30399	WM 6" G.V. NUT	SWING TIE 31 - SAN M.H. 36	36.8	SWING TIE 69 - SET NAIL & DISK "ST#69"	5.8	11.8
30400	FIRE HYDRANT	SWING TIE 31 - SAN M.H. 36	37.5	SWING TIE 69 - SET NAIL & DISK "ST#69"	7.8	16.7
30396	WM 8" TOP OF PIPE	SWING TIE 75 - CL STR 415 @EP	42.5	SWING TIE 76 - CL STR 413 @EP	48.2	9.7
30397	WM 8" TOP OF PIPE	SWING TIE 75 - CL STR 415 @EP	55.2	SWING TIE 76 - CL STR 413 @EP	59.4	11.9
30393	WM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST#76"	84.5	SWING TIE 78 - SAN M.H. 38	94.4	11.3
30394	WM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST#76"	30.4	SWING TIE 78 - SAN M.H. 38	10.8	11.2
30395	WM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST#76"	115.1	SWING TIE 78 - SAN M.H. 38	101.2	11.3
30386	WM 8" 45 BEND	SWING TIE 79 - FIRE HYDRANT	86.3	SWING TIE 80 - SAN M.H. 39	9.0	12.2
30387	WM 8" 45 BEND	SWING TIE 79 - FIRE HYDRANT	55.6	SWING TIE 80 - SAN M.H. 39	38.5	12.7
30388	WM 8"x6" TEE	SWING TIE 79 - FIRE HYDRANT	2.9	SWING TIE 80 - SAN M.H. 39	91.4	12.8
30389	WM 8" G.V. NUT	SWING TIE 79 - FIRE HYDRANT	5.5	SWING TIE 80 - SAN M.H. 39	95.3	13.9
30390	WM 6" G.V. NUT	SWING TIE 79 - FIRE HYDRANT	2.1	SWING TIE 80 - SAN M.H. 39	90.8	13.7
30391	FIRE HYDRANT	SWING TIE 112 - SET NAIL & DISK "ST#112"	32.0	SWING TIE 80 - SAN M.H. 39	91.3	18.6

SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
141	1" WATER METER BOX	SWING TIE 31 - SAN M.H. 36	36.5	SWING TIE 32 - FIRE HYDRANT	3.5
142	1" WATER METER BOX	SWING TIE 31 - SAN M.H. 36	42.0	SWING TIE 32 - FIRE HYDRANT	4.5
143	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	70.2	SWING TIE 76 - CL STR 413 @EP	74.6
144	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	66.4	SWING TIE 76 - CL STR 413 @EP	71.1
145	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	11.9	SWING TIE 76 - CL STR 413 @EP	30.5
146	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	14.1	SWING TIE 76 - CL STR 413 @EP	31.4
147	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	86.3	SWING TIE 76 - CL STR 413 @EP	89.6
148	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	89.7	SWING TIE 76 - CL STR 413 @EP	92.7
149	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	97.1	SWING TIE 78 - SAN M.H. 38	81.8
150	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	93.8	SWING TIE 78 - SAN M.H. 38	78.3
151	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	34.8	SWING TIE 78 - SAN M.H. 38	15.7
152	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	33.1	SWING TIE 78 - SAN M.H. 38	15.2
153	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	69.1	SWING TIE 78 - SAN M.H. 38	76.6
154	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	72.2	SWING TIE 78 - SAN M.H. 38	80.1
155	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	142.0	SWING TIE 78 - SAN M.H. 38	153.5
156	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	145.2	SWING TIE 78 - SAN M.H. 38	156.9
157	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	172.6	SWING TIE 79 - FIRE HYDRANT	82.4
158	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	168.7	SWING TIE 79 - FIRE HYDRANT	78.5

SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
159	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	94.3	SWING TIE 79 - FIRE HYDRANT	3.4
160	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	88.2	SWING TIE 79 - FIRE HYDRANT	4.5
161	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	24.3	SWING TIE 79 - FIRE HYDRANT	80.7
162	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	124.2	SWING TIE 79 - FIRE HYDRANT	55.9
163	1" WATER METER BOX	SWING TIE 80 - SAN M.H. 39	127.7	SWING TIE 79 - FIRE HYDRANT	57.8
164	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	183.9	SWING TIE 79 - FIRE HYDRANT	121.9
165	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	179.7	SWING TIE 79 - FIRE HYDRANT	125.7
166	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	98.6	SWING TIE 78 - SAN M.H. 38	115.1
167	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	94.8	SWING TIE 78 - SAN M.H. 38	111.2
168	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	15.2	SWING TIE 78 - SAN M.H. 38	34.2
169	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	15.1	SWING TIE 78 - SAN M.H. 38	32.4
170	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	94.0	SWING TIE 78 - SAN M.H. 38	87.0
171	1" WATER METER BOX	SWING TIE 77 - SET NAIL & DISK "ST#76"	97.4	SWING TIE 78 - SAN M.H. 38	90.3
172	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	66.1	SWING TIE 76 - CL STR 413 @EP	56.6
173	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	62.8	SWING TIE 76 - CL STR 413 @EP	53.0
174	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	63.4	SWING TIE 76 - CL STR 413 @EP	53.8
175	1" WATER METER BOX	SWING TIE 75 - CL STR 415 @EP	66.2	SWING TIE 76 - CL STR 413 @EP	57.1
176	1" WATER METER BOX	SWING TIE 31 - SAN M.H. 36	35.4	SWING TIE 32 - FIRE HYDRANT	44.3
177	1" WATER METER BOX	SWING TIE 31 - SAN M.H. 36	33.1	SWING TIE 32 - FIRE HYDRANT	45.1

RECORD DRAWINGS
November 3, 2023
APPROVED

POINT BREAK SURVEYING, LLC
 CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blakely Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23

DocuSigned by:
 Jeffery B. Morrow
 License No. 6296

VISTERA - PHASE 1- SEGMENT 4

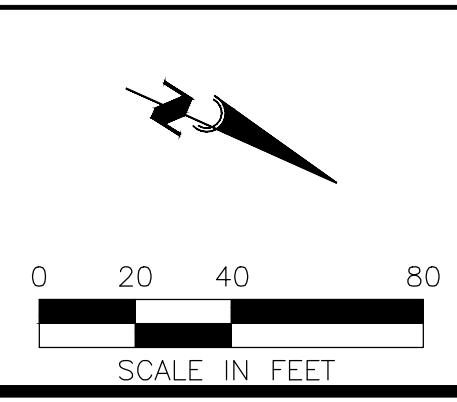
REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
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ISSUE DATE: 04-30-21

RECORD DRAWINGS

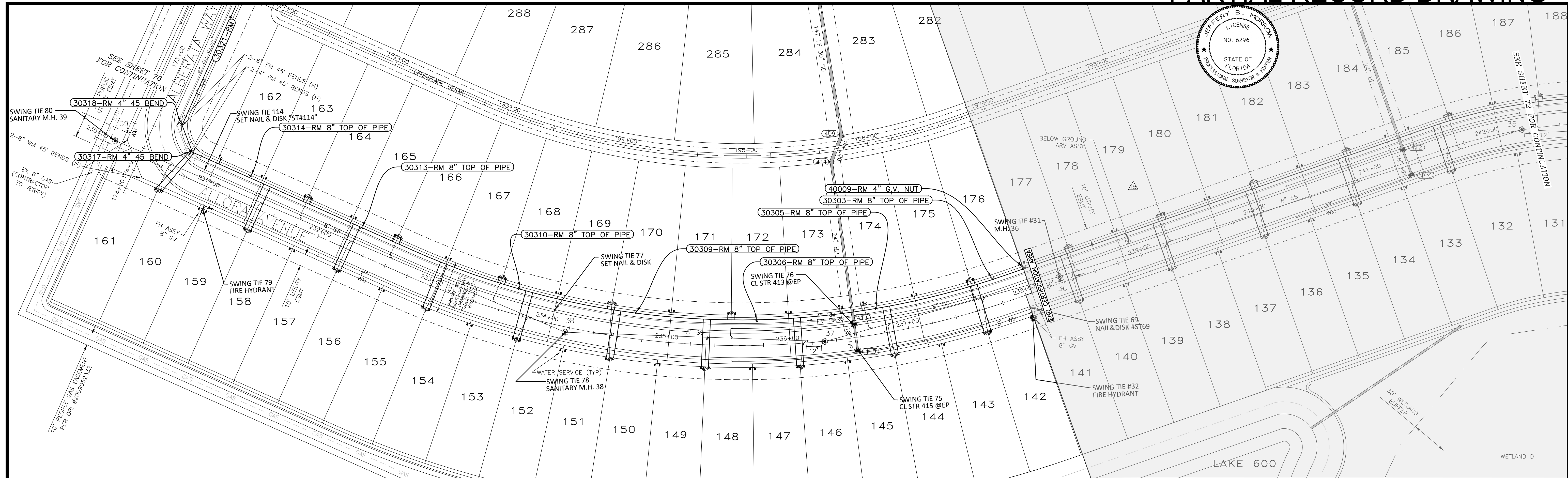
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 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



OWNER: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 DRAWING: RECORD PLAN AND PROFILE
 ALLORA AVENUE
 STA 230+00 TO STA 242+00

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'
NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 71A

PROJECT ENGINEER: BOBBY R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. NO. 90804



SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
142	1" REUSE METER BOX	SWING TIE 31 - SAN M.H. 36	71.3	SWING TIE 32 - FIRE HYDRANT	36.9
143	1" REUSE METER BOX	SWING TIE 31 - SAN M.H. 36	75.5	SWING TIE 32 - FIRE HYDRANT	41.5
144	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	33.0	SWING TIE 76 - CL STR 413 @EP	42.6
145	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	28.7	SWING TIE 76 - CL STR 413 @EP	39.7
146	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	46.5	SWING TIE 76 - CL STR 413 @EP	53.5
147	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	50.4	SWING TIE 76 - CL STR 413 @EP	56.8
148	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	122.6	SWING TIE 76 - CL STR 413 @EP	123.8
149	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	127.8	SWING TIE 76 - CL STR 413 @EP	128.9
150	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	62.0	SWING TIE 78 - SAN M.H. 38	44.3
151	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	57.9	SWING TIE 78 - SAN M.H. 38	39.8
152	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	39.0	SWING TIE 78 - SAN M.H. 38	38.8
153	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	41.6	SWING TIE 78 - SAN M.H. 38	43.2
154	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	103.2	SWING TIE 78 - SAN M.H. 38	113.4
155	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	108.6	SWING TIE 78 - SAN M.H. 38	119.0
156	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	179.6	SWING TIE 78 - SAN M.H. 38	192.1
157	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	184.3	SWING TIE 78 - SAN M.H. 38	196.9
158	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	43.0	SWING TIE 80 - SAN M.H. 39	133.5
159	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	37.9	SWING TIE 80 - SAN M.H. 39	128.6
160	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	37.9	SWING TIE 80 - SAN M.H. 39	55.0
161	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	42.5	SWING TIE 80 - SAN M.H. 39	51.1
162	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	44.1	SWING TIE 80 - SAN M.H. 39	87.8
163	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	84.3	SWING TIE 80 - SAN M.H. 39	161.9
164	1" REUSE METER BOX	SWING TIE 79 - FIRE HYDRANT	88.9	SWING TIE 80 - SAN M.H. 39	167.2
165	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	144.6	SWING TIE 78 - SAN M.H. 38	160.7
166	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	139.4	SWING TIE 78 - SAN M.H. 38	155.5
167	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	53.1	SWING TIE 78 - SAN M.H. 38	70.8
168	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	48.5	SWING TIE 78 - SAN M.H. 38	66.4
169	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	45.3	SWING TIE 78 - SAN M.H. 38	43.6
170	1" REUSE METER BOX	SWING TIE 77 - SET NAIL & DISK "ST77"	49.7	SWING TIE 78 - SAN M.H. 38	47.0
171	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	109.6	SWING TIE 76 - CL STR 413 @EP	103.1
172	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	104.9	SWING TIE 76 - CL STR 413 @EP	98.2
173	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	36.8	SWING TIE 76 - CL STR 413 @EP	17.6
174	1" REUSE METER BOX	SWING TIE 75 - CL STR 415 @EP	38.0	SWING TIE 76 - CL STR 413 @EP	19.9
175	1" REUSE METER BOX	SWING TIE 31 - SAN M.H. 36	75.9	SWING TIE 32 - FIRE HYDRANT	61.2
176	1" REUSE METER BOX	SWING TIE 31 - SAN M.H. 36	71.2	SWING TIE 32 - FIRE HYDRANT	57.5

SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30303	RM 8" TOP OF PIPE	SWING TIE 31 - SAN M.H. 36	54.9	SWING TIE 32 - FIRE HYDRANT	45.0	10.7
40009	RM 4" G.V. NUT	SWING TIE 31 - SAN M.H. 36	30.8	SWING TIE 32 - FIRE HYDRANT	40.3	11.1
30305	RM 8" TOP OF PIPE	SWING TIE 75 - CL STR 415 @EP	37.2	SWING TIE 76 - CL STR 413 @EP	23.0	10.8
30306	RM 8" TOP OF PIPE	SWING TIE 75 - CL STR 415 @EP	86.0	SWING TIE 76 - CL STR 413 @EP	79.9	11.1
30309	RM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST77"	66.4	SWING TIE 78 - SAN M.H. 38	59.8	11.3
30310	RM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST77"	34.1	SWING TIE 78 - SAN M.H. 38	52.1	11.4
30313	RM 8" TOP OF PIPE	SWING TIE 77 - SET NAIL & DISK "ST77"	172.4	SWING TIE 78 - SAN M.H. 38	188.0	11.8
30314	RM 8" TOP OF PIPE	SWING TIE 79 - FIRE HYDRANT	47.7	SWING TIE 80 - SAN M.H. 39	114.9	12.3
30317	RM 4" 45 BEND	SWING TIE 79 - FIRE HYDRANT	48.7	SWING TIE 80 - SAN M.H. 39	62.8	12.6
30318	RM 4" 45 BEND	SWING TIE 79 - FIRE HYDRANT	71.9	SWING TIE 80 - SAN M.H. 39	56.3	12.7

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blakie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

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DocuSigned by:
 Jeffery B. Morrow
 License No. 6296
 License State: FL
 License Type: Professional Surveyor & Mapper

RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23		RECORD DRAWINGS	JC
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 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
 ISSUE DATE: 04-30-21
RECORD DRAWINGS

AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334

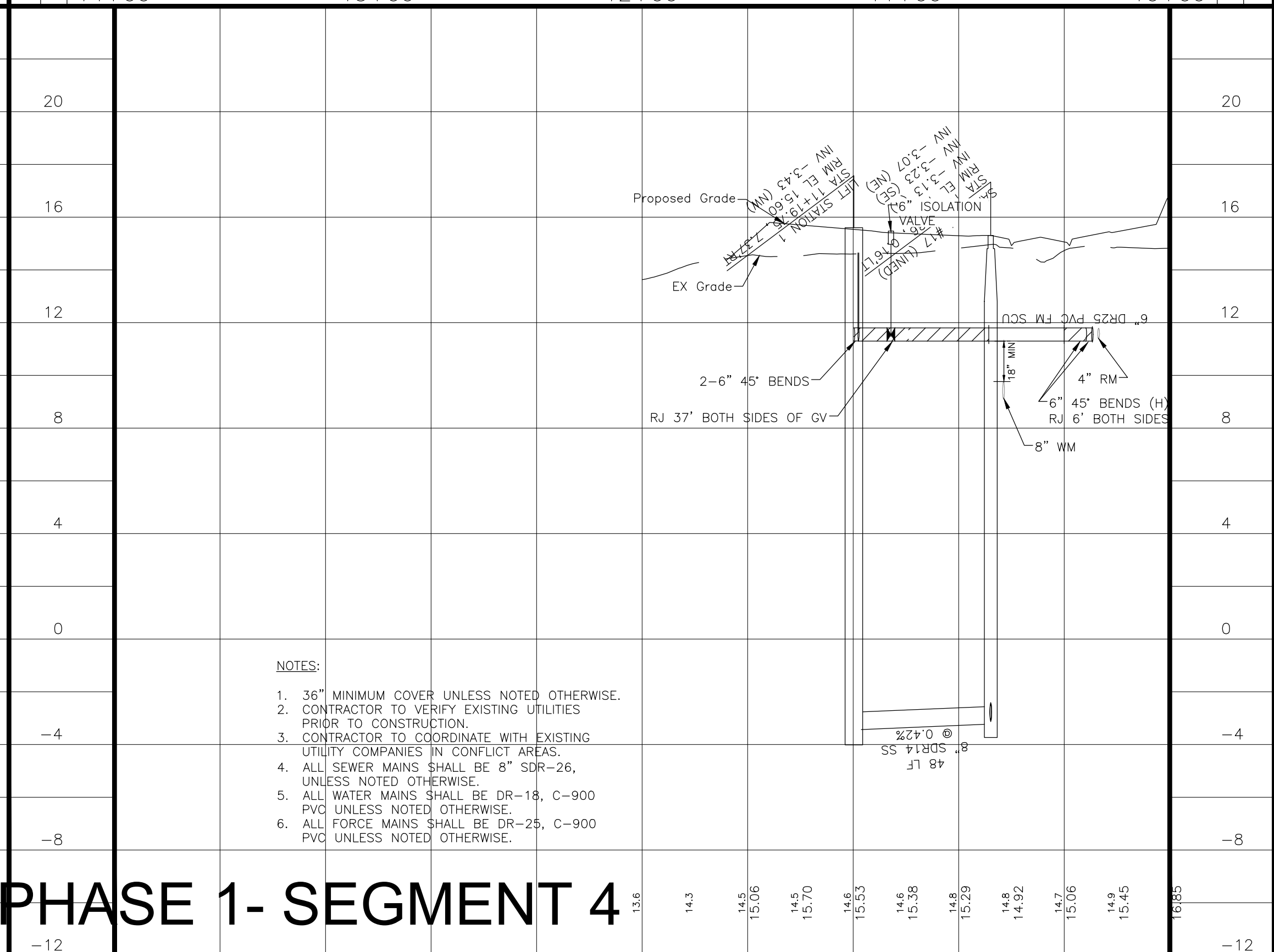
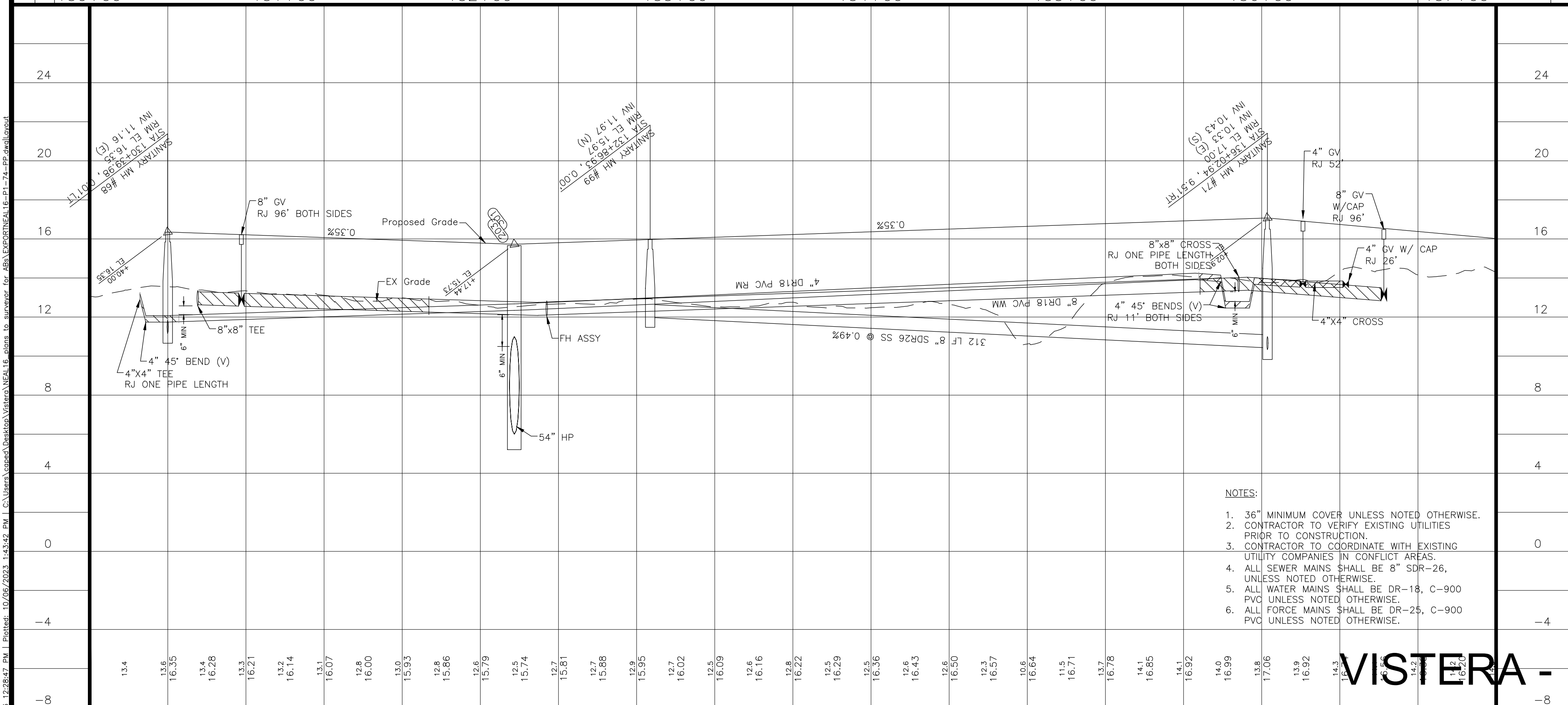
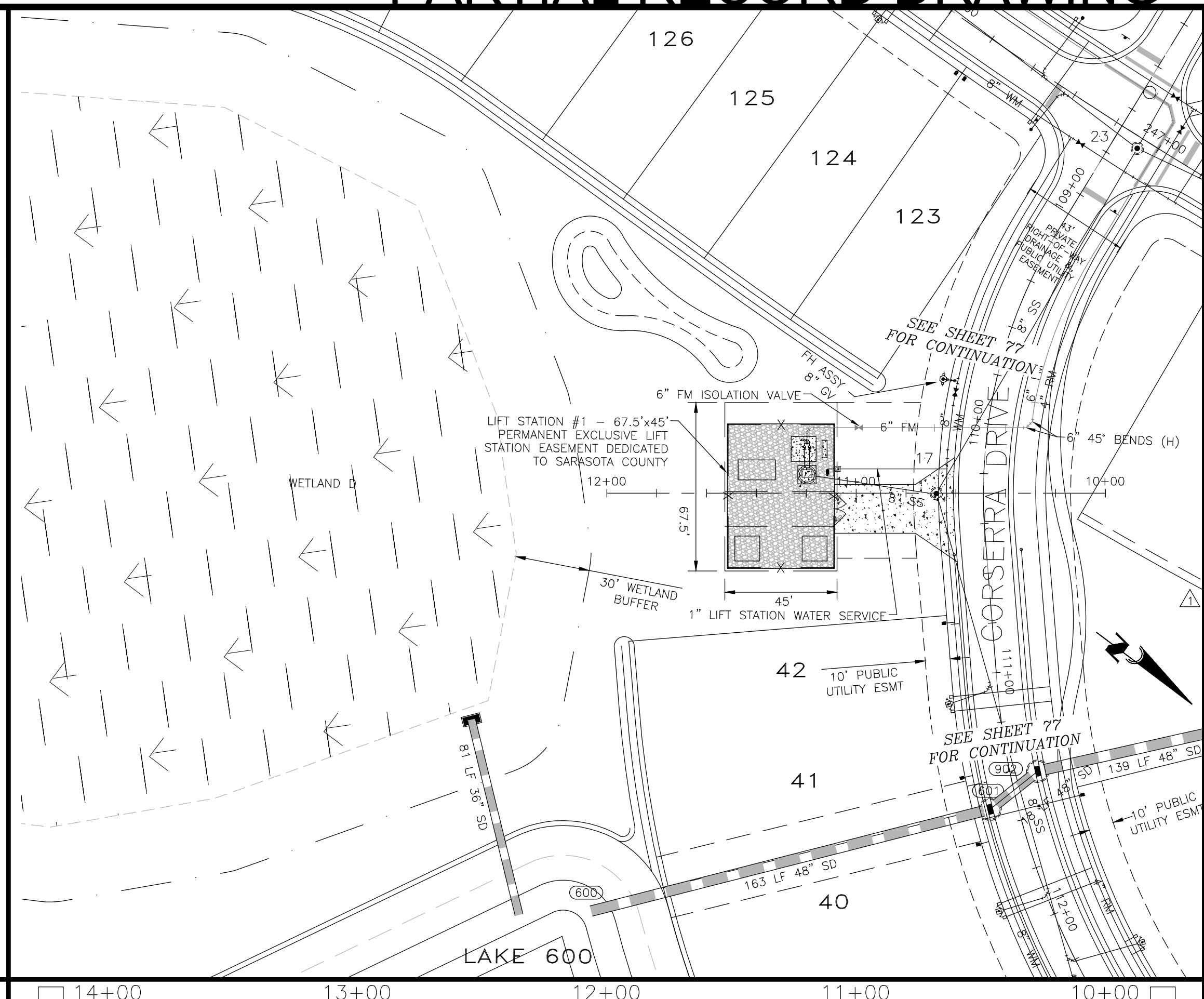
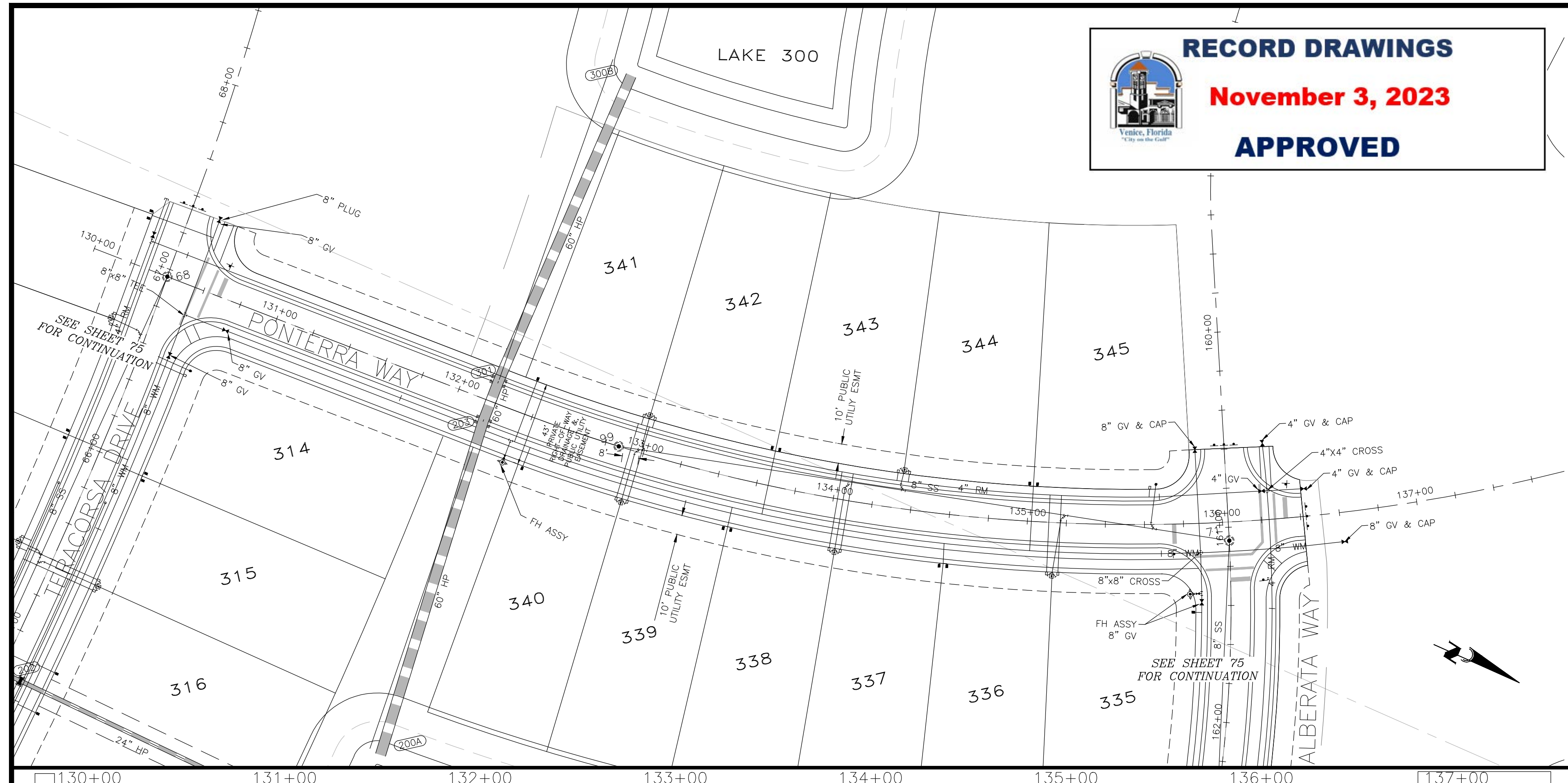
0 20 40 80
 SCALE IN FEET

CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 RECORD PLAN AND PROFILE
 ALLORA AVENUE
 STA 230+00 TO STA 242+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 NGVD 1929
 SHEET NUMBER: 71B

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. NO. 90804

RECORD DRAWINGS
November 3, 2023
APPROVED

NOTES:

1. 36" MINIMUM COVER UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
4. ALL SEWER MAINS SHALL BE 8" SDR-26, UNLESS NOTED OTHERWISE.
5. ALL WATER MAINS SHALL BE DR-18, C-900 PVC UNLESS NOTED OTHERWISE.
6. ALL FORCE MAINS SHALL BE DR-25, C-900 PVC UNLESS NOTED OTHERWISE.

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VISTERA - PHASE 1- SEGMENT 4

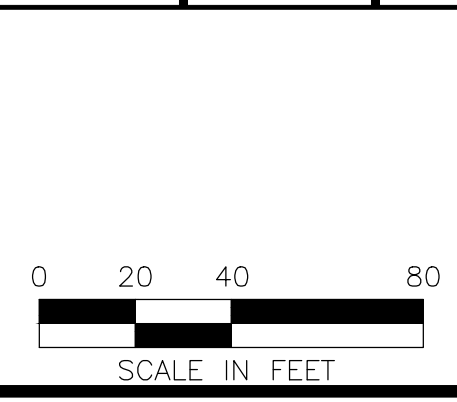
REV. No.	REV. DATE	REVISION DESCRIPTION	BY
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD
1	05/13/21	CHANGES PER BIDDERS RFIs	CD

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ISSUE DATE: **04-30-21** CD

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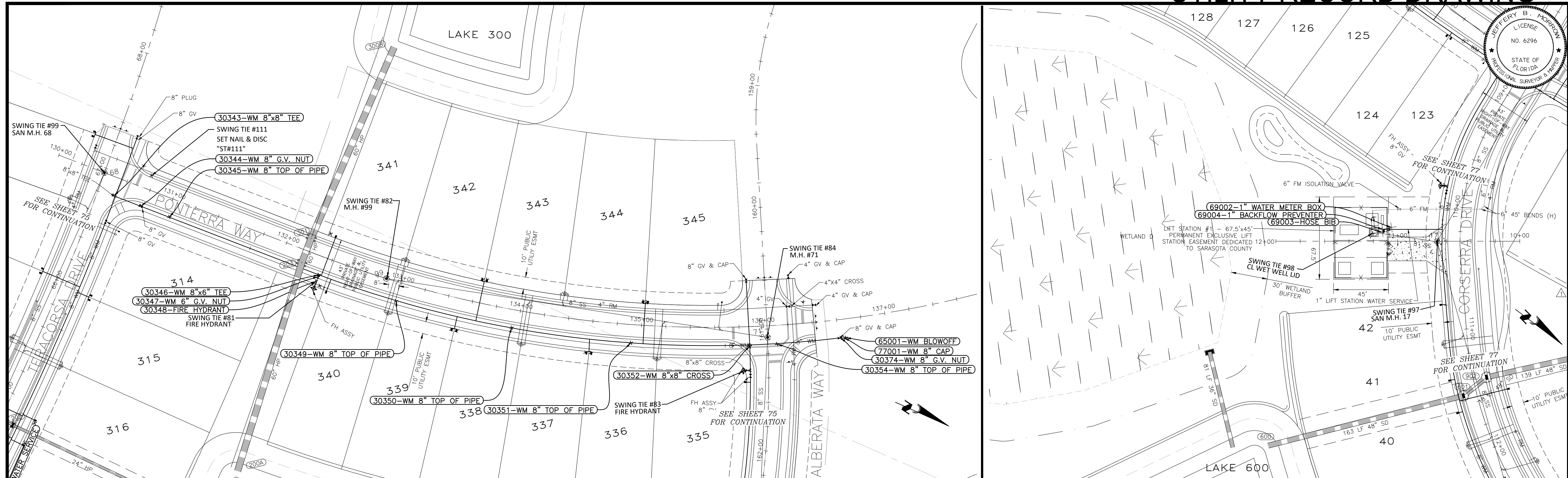
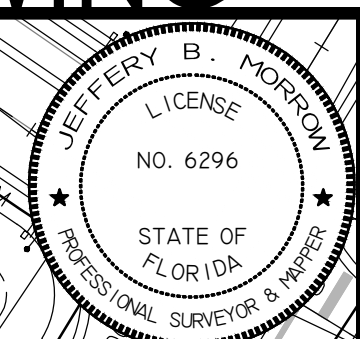


CLIENT: **BORDER ROAD INVESTMENTS, LLC**
 PROJECT: **VISTERA OF VENICE**
 TITLE: **RECORDPLAN AND PROFILE**
POMTERRA STA 130+00 TO 137+00
LIFT STA 14+00 TO 10+00

HORIZONTAL SCALE: **1"=40'**
 VERTICAL SCALE: **1"=4'**
 VERTICAL DATUM: **NGVD 1929**
 PROJECT NUMBER: **NEAL0016**
 SHEET NUMBER: **74**

PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. **90804**

© 2023 Engineering, LLC. 10/21/2023 1:28:42 PM | Project: 19/09/2023 1:28:42 PM | Location: C:\Users\kayla\OneDrive\Documents\Projects\19/09/2023 1:28:42 PM | 19/09/2023 1:28:42 PM | 19/09/2023 1:28:42 PM



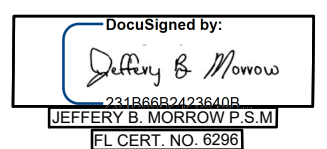
SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
336	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	127.339	SWING TIE 84 - SAN M.H. 71	145.206
337	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	131.64	SWING TIE 84 - SAN M.H. 71	149.458
338	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	122.086	SWING TIE 82 - SAN M.H. 99	71.611
339	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	117.837	SWING TIE 82 - SAN M.H. 99	67.759
340	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	4.886	SWING TIE 82 - SAN M.H. 99	55.759
341	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	40.894	SWING TIE 82 - SAN M.H. 99	58.618
342	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	136.612	SWING TIE 82 - SAN M.H. 99	78.151
343	1" WATER METER BOX	SWING TIE 81 - FIRE HYDRANT	140.299	SWING TIE 82 - SAN M.H. 99	81.841
344	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	100.619	SWING TIE 84 - SAN M.H. 71	105.626
345	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	97.893	SWING TIE 84 - SAN M.H. 71	102.663

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blaikie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 10/20/23



SWING TIE INFORMATION - WATER SERVICES

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
69002	1" WATER METER BOX	SWING TIE 98 - CL WET WELL LID	16.1	SWING TIE 97 - SAN M.H. 17	39.3	15.6
69003	HOSE BIB	SWING TIE 98 - CL WET WELL LID	7.9	SWING TIE 97 - SAN M.H. 17	45.8	15.5
69004	1" BACKFLOW PREVENTER	SWING TIE 98 - CL WET WELL LID	8.8	SWING TIE 97 - SAN M.H. 17	46.0	15.5

SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30343	WM 8"x8" TEE	SWING TIE 99 - SAN M.H. 68	20.3	SWING TIE 111 - SET NAIL & DISK "ST#111"	35.0	12.7
30344	WM 8" G.V. NUT	SWING TIE 99 - SAN M.H. 68	40.5	SWING TIE 111 - SET NAIL & DISK "ST#111"	26.4	14.3
30345	WM 8" TOP OF PIPE	SWING TIE 99 - SAN M.H. 68	64.6	SWING TIE 111 - SET NAIL & DISK "ST#111"	36.9	13.2
30346	WM 8"x6" TEE	SWING TIE 81 - FIRE HYDRANT	5.8	SWING TIE 82 - SAN M.H. 99	56.2	13.0
30347	WM 6" G.V. NUT	SWING TIE 81 - FIRE HYDRANT	4.2	SWING TIE 82 - SAN M.H. 99	56.7	13.9
30348	FIRE HYDRANT	SWING TIE 99 - SAN M.H. 68	195.1	SWING TIE 82 - SAN M.H. 99	58.6	18.9
30349	WM 8" TOP OF PIPE	SWING TIE 81 - FIRE HYDRANT	67.7	SWING TIE 82 - SAN M.H. 99	20.8	12.9
30350	WM 8" TOP OF PIPE	SWING TIE 81 - FIRE HYDRANT	164.9	SWING TIE 82 - SAN M.H. 99	110.0	12.8
30351	WM 8" TOP OF PIPE	SWING TIE 84 - SAN M.H. 71	111.9	SWING TIE 83 - FIRE HYDRANT	96.3	12.7
30352	WM 8"x8" CROSS	SWING TIE 84 - SAN M.H. 71	16.0	SWING TIE 83 - FIRE HYDRANT	19.9	13.3
30354	WM 8" TOP OF PIPE	SWING TIE 84 - SAN M.H. 71	9.7	SWING TIE 83 - FIRE HYDRANT	33.9	12.5
30374	WM 8" G.V. NUT	SWING TIE 84 - SAN M.H. 71	60.2	SWING TIE 83 - FIRE HYDRANT	82.7	15.1
65001	WM BLOWOFF	SWING TIE 84 - SAN M.H. 71	64.6	SWING TIE 83 - FIRE HYDRANT	87.0	15.0
77001	WM 8" CAP	SWING TIE 84 - SAN M.H. 71	63.2	SWING TIE 83 - FIRE HYDRANT	85.5	12.0



VISTERA - PHASE 1- SEGMENT 4

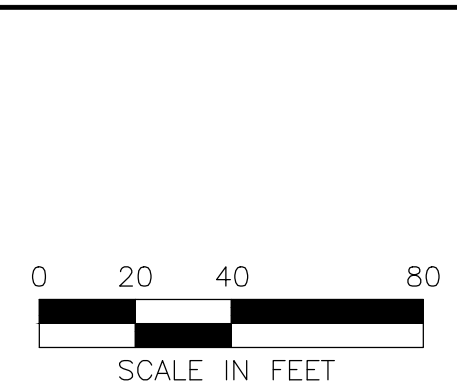
REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
10/23/23		RECORD DRAWINGS	JC				
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD				
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD				
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD				
1	05/13/21	CHANGES PER BIDDERS RFIs	CD				

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ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: RECORD DRAWINGS

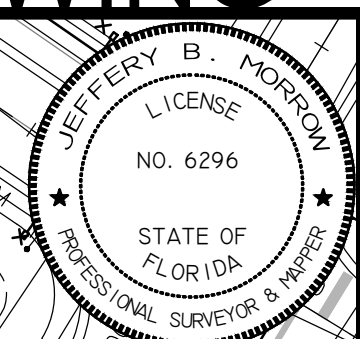
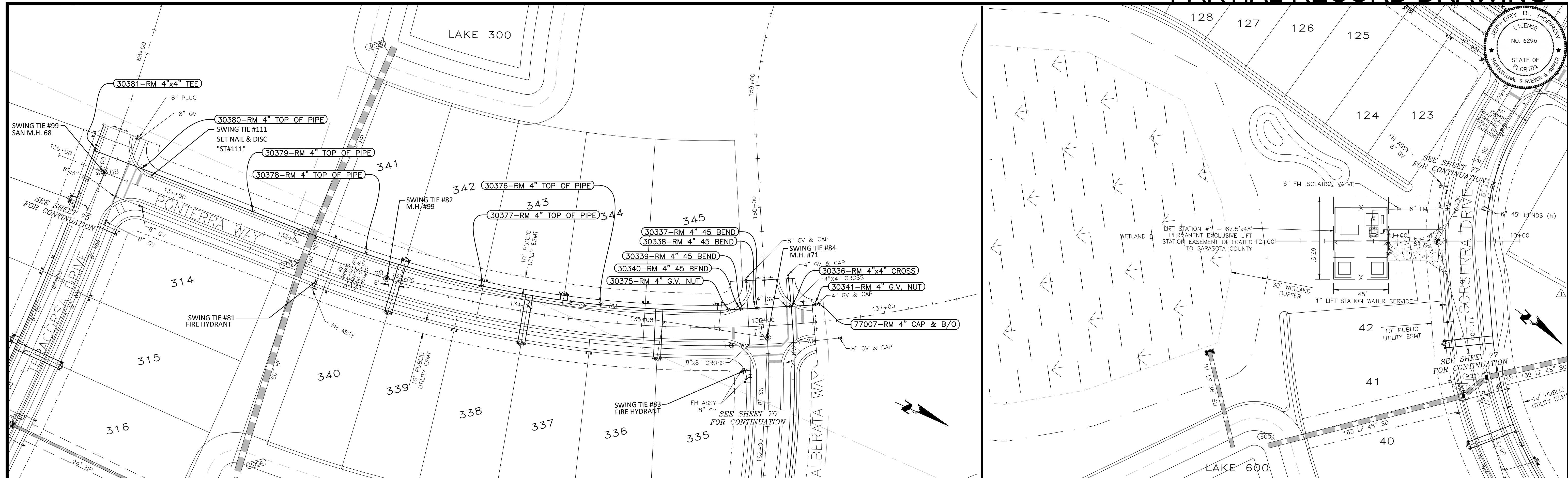
Civil Engineering | Land Surveying

8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



CLIENT: BORDER ROAD INVESTMENTS, LLC	HORIZONTAL SCALE: 1"=40'
PROJECT: VISTERA OF VENICE	VERTICAL SCALE: 1"=4'
DATE: 10/23/23	NGVD 1929
PROJECT NUMBER: RECORDPLAN AND PROFILE	PROJECT NUMBER: NEAL0016
SHEET NUMBER: POMTERRA STA 130+00 TO 137+00	SHEET NUMBER: 74A
LIFT STA 14+00 TO 10+00	

BOBBI R. CLAYBROOKE, P.E.
 DATE: 11/03/23
 FLORIDA P.E. No. 90804



SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
335	1" REUSE METER BOX	SWING TIE 83 - FIRE HYDRANT	70.5	SWING TIE 84 - SAN M.H. 71	89.6
336	1" REUSE METER BOX	SWING TIE 83 - FIRE HYDRANT	75.3	SWING TIE 84 - SAN M.H. 71	94.2
337	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	177.5	SWING TIE 82 - SAN M.H. 99	124.0
338	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	173.0	SWING TIE 82 - SAN M.H. 99	119.6
339	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	66.7	SWING TIE 82 - SAN M.H. 99	29.2
340	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	62.8	SWING TIE 82 - SAN M.H. 99	27.8
341	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	73.7	SWING TIE 82 - SAN M.H. 99	19.6
342	1" REUSE METER BOX	SWING TIE 81 - FIRE HYDRANT	77.9	SWING TIE 82 - SAN M.H. 99	22.1
343	1" REUSE METER BOX	SWING TIE 83 - FIRE HYDRANT	164.2	SWING TIE 84 - SAN M.H. 71	173.5
344	1" REUSE METER BOX	SWING TIE 83 - FIRE HYDRANT	158.6	SWING TIE 84 - SAN M.H. 71	167.8
345	1" REUSE METER BOX	SWING TIE 83 - FIRE HYDRANT	59.8	SWING TIE 84 - SAN M.H. 71	50.7

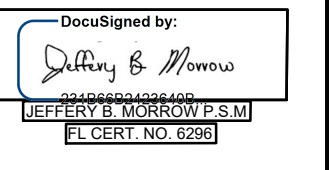
SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30380	RM 4" TOP OF PIPE	SWING TIE 99 - SAN M.H. 68	30.8	SWING TIE 111 - SET NAIL & DISK "ST111"	10.2	12.4
30381	RM 4"x4" TEE	SWING TIE 99 - SAN M.H. 68	20.6	SWING TIE 111 - SET NAIL & DISK "ST111"	51.1	12.5
30377	RM 4" TOP OF PIPE	SWING TIE 81 - FIRE HYDRANT	135.6	SWING TIE 82 - SAN M.H. 99	77.4	13.2
30378	RM 4" TOP OF PIPE	SWING TIE 81 - FIRE HYDRANT	47.3	SWING TIE 82 - SAN M.H. 99	26.8	12.9
30379	RM 4" TOP OF PIPE	SWING TIE 81 - FIRE HYDRANT	77.4	SWING TIE 82 - SAN M.H. 99	122.9	12.7
30336	RM 4"x4" CROSS	SWING TIE 84 - SAN M.H. 71	32.4	SWING TIE 83 - FIRE HYDRANT	64.8	13.4
30337	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	25.4	SWING TIE 83 - FIRE HYDRANT	52.0	13.6
30338	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	26.2	SWING TIE 83 - FIRE HYDRANT	51.9	11.6
30339	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	31.4	SWING TIE 83 - FIRE HYDRANT	50.8	11.5
30340	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	32.7	SWING TIE 83 - FIRE HYDRANT	50.8	13.7
30341	RM 4" G.V. NUT	SWING TIE 84 - SAN M.H. 71	47.4	SWING TIE 83 - FIRE HYDRANT	78.6	14.5
30375	RM 4" G.V. NUT	SWING TIE 84 - SAN M.H. 71	39.8	SWING TIE 83 - FIRE HYDRANT	52.1	14.5
30376	RM 4" TOP OF PIPE	SWING TIE 84 - SAN M.H. 71	139.6	SWING TIE 83 - FIRE HYDRANT	130.6	12.5
77007	RM 4" CAP & B/O	SWING TIE 84 - SAN M.H. 71	50.7	SWING TIE 83 - FIRE HYDRANT	81.5	13.3

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 007384
 8111 Blaikie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23
 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.S.M. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



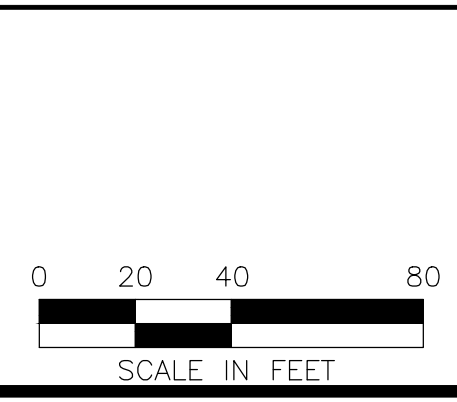
RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
09/25/23		RECORD DRAWINGS	JC				
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD				
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD				
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD				
1	05/13/21	CHANGES PER BIDDERS RFIs	CD				

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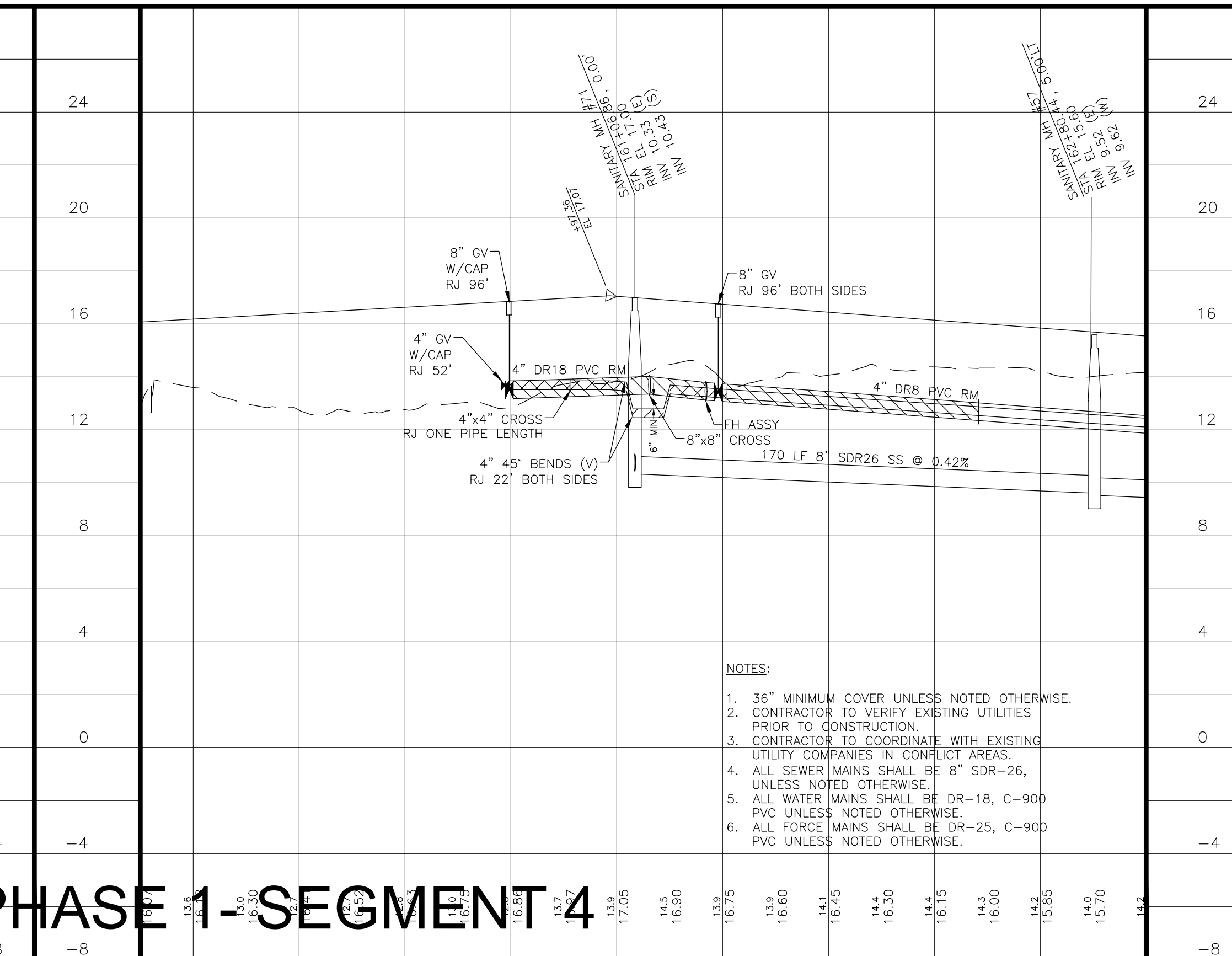
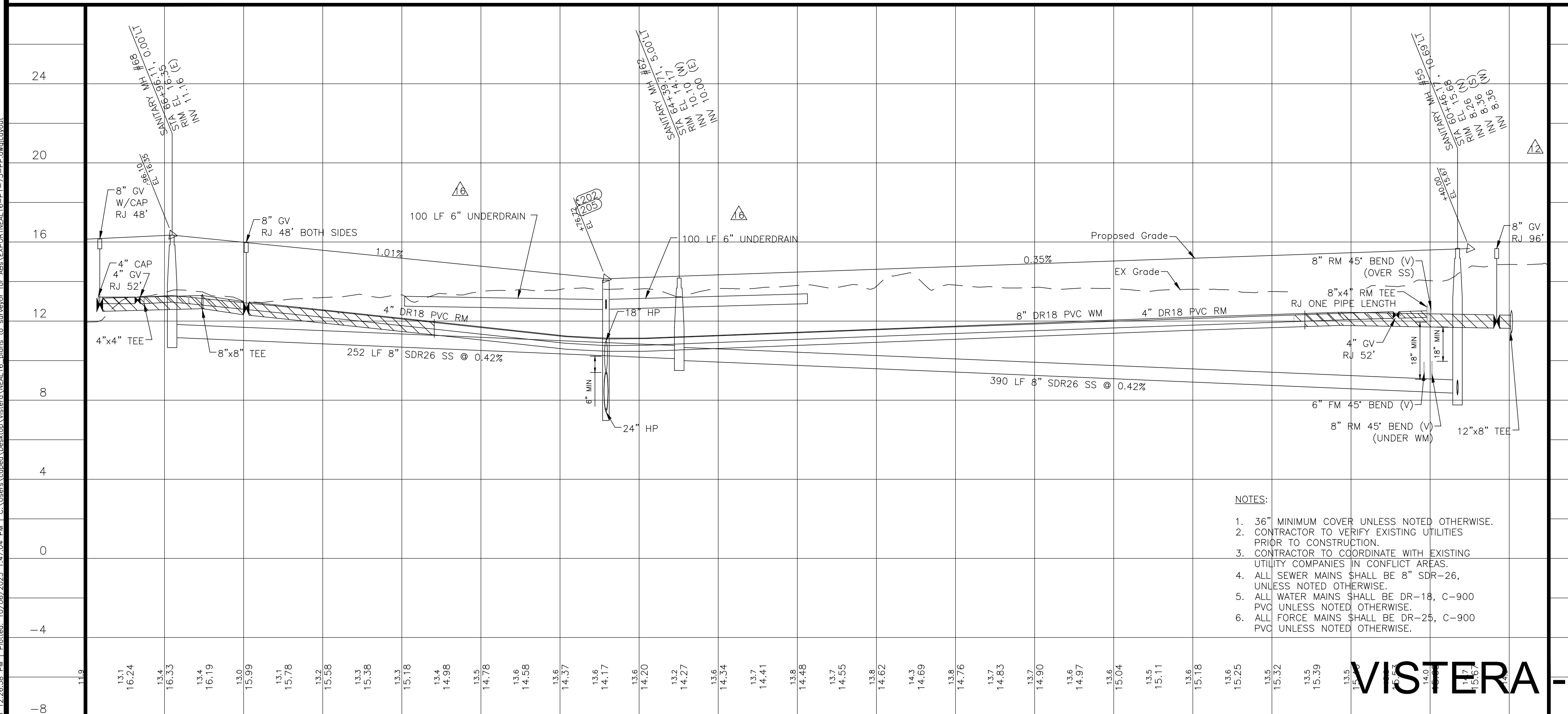
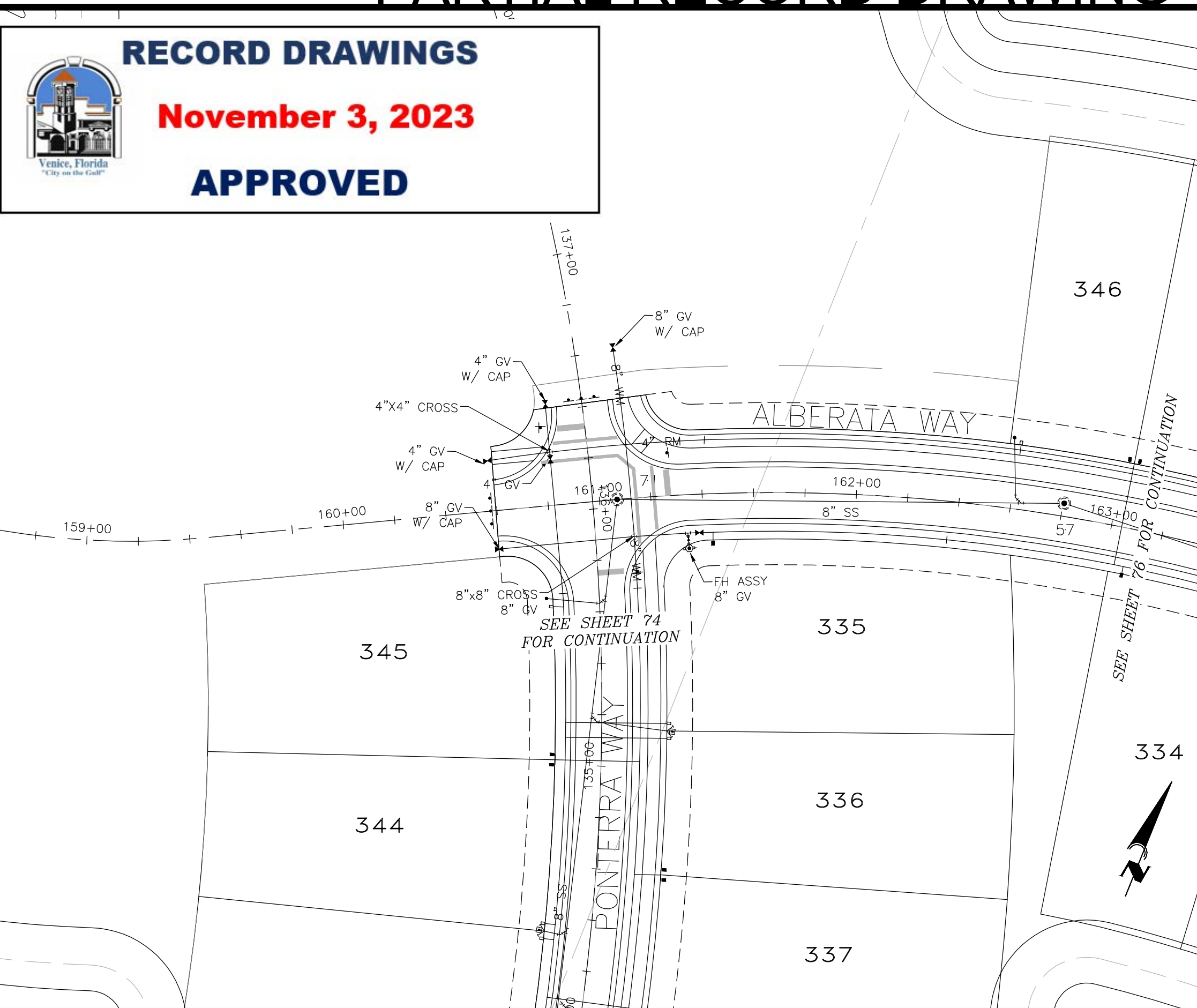


CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 SHEET: RECORD PLAN AND PROFILE
 PONTERRA STA 130+00 TO 137+00
 LIFT STA 14+00 TO 10+00

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 4'
 NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 74 B

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804

RECORD DRAWINGS
November 3, 2023
APPROVED



- NOTES:**
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VISTERA - PHASE 1 - SEGMENT 4

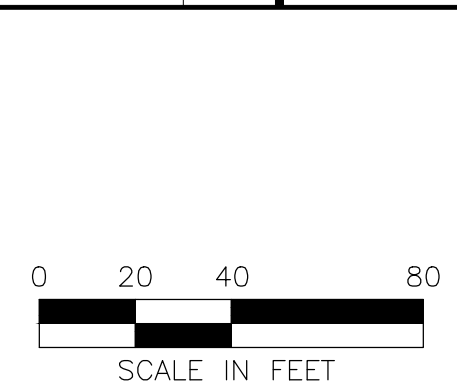
REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD				
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD				
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD				
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD				

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ISSUE DATE: 04-30-21

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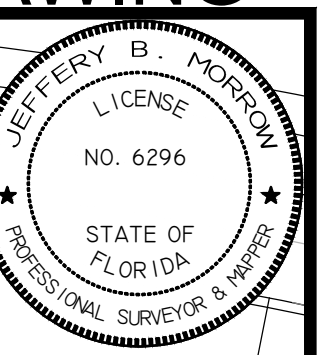
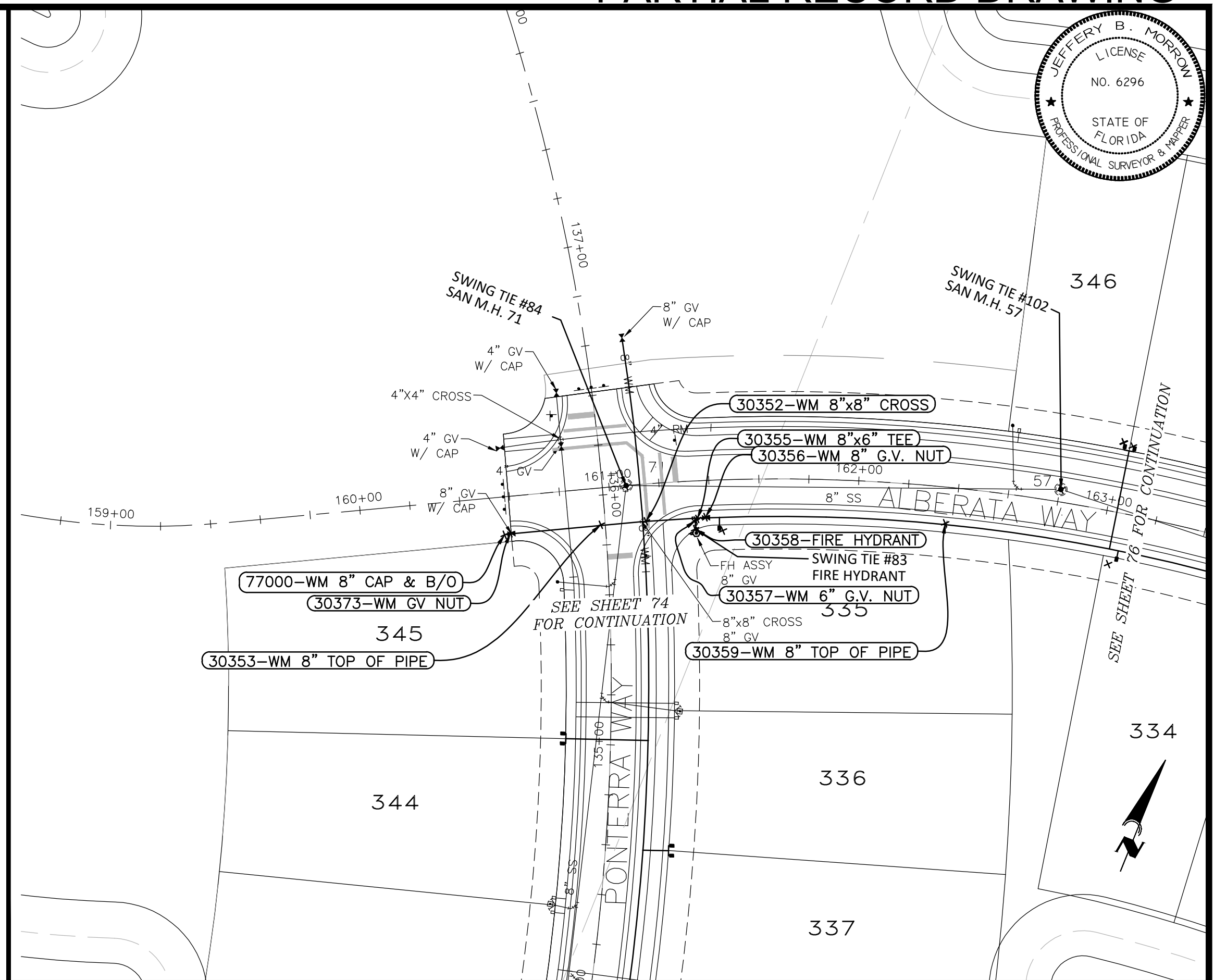
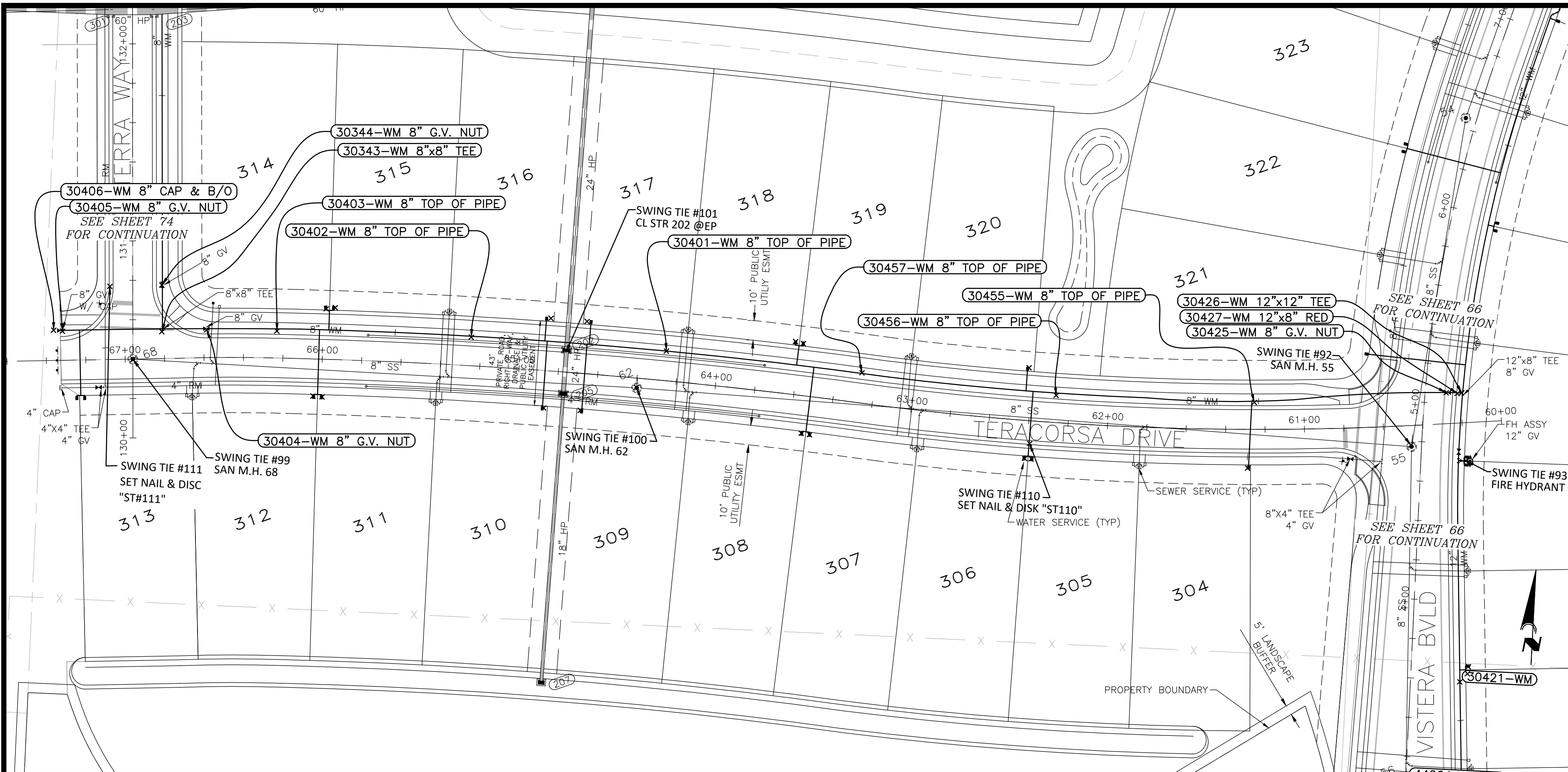


CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 RECORD PLAN AND PROFILE
 TERACORSA STA 60+00 TO 67+20
 ALBERATA STA 159+00 TO 163+00

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=4'
 DATUM: NGVD 1929
 SHEET NUMBER: NEAL0016
 TOTAL SHEETS: 75

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804

Date: 10/24/2023 10:24:58 AM | Project: 19242303 - 222858 - Vistera - 19242303 - 10/24/23 10:24:58 AM | Location: C:\Users\kayla\OneDrive\Documents\Projects\19242303 - 222858 - Vistera - 19242303 - 10/24/23 10:24:58 AM



SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30343	WM 8"x8" TEE	SWING TIE 92 - SAN M.H. 55	20.3	SWING TIE 111 - SET NAIL & DISK "ST#111"	35.0	12.7
30344	WM 8" G.V. NUT	SWING TIE 92 - SAN M.H. 55	40.5	SWING TIE 111 - SET NAIL & DISK "ST#111"	26.4	14.3
30403	WM 8" TOP OF PIPE	SWING TIE 92 - SAN M.H. 55	74.4	SWING TIE 111 - SET NAIL & DISK "ST#111"	87.8	12.5
30404	WM 8" G.V. NUT	SWING TIE 92 - SAN M.H. 55	40.2	SWING TIE 111 - SET NAIL & DISK "ST#111"	53.8	13.9
30405	WM 8" G.V. NUT & B/O	SWING TIE 92 - SAN M.H. 55	38.6	SWING TIE 111 - SET NAIL & DISK "ST#111"	33.1	14.4
30406	WM 8" CAP	SWING TIE 92 - SAN M.H. 55	42.9	SWING TIE 111 - SET NAIL & DISK "ST#111"	36.2	13.0
30401	WM 8" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	23.9	SWING TIE 101 - CL STR 202 @EP	50.8	11.1
30402	WM 8" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	87.5	SWING TIE 101 - CL STR 202 @EP	48.8	11.4
30457	WM 8" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	114.7	SWING TIE 101 - CL STR 202 @EP	150.3	11.4
30455	WM 8" TOP OF PIPE	SWING TIE 110 - SET NAIL & DISK "ST#110"	116.0	SWING TIE 92 - SAN M.H. 55	82.4	11.2
30456	WM 8" TOP OF PIPE	SWING TIE 110 - SET NAIL & DISK "ST#110"	28.0	SWING TIE 92 - SAN M.H. 55	181.7	11.1
30425	WM 8" G.V. NUT	SWING TIE 92 - SAN M.H. 55	32.0	SWING TIE 93 - FIRE HYDRANT	35.9	13.2
30426	WM 12"x12" TEE	SWING TIE 92 - SAN M.H. 55	36.9	SWING TIE 93 - FIRE HYDRANT	34.5	12.3
30427	WM 12"x8" RED	SWING TIE 92 - SAN M.H. 55	35.2	SWING TIE 93 - FIRE HYDRANT	34.4	12.3

SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
304	1" WATER METER BOX	SWING TIE 110 - SET NAIL & DISK "ST#110"	110.9	SWING TIE 92 - SAN M.H. 55	83.7
305	1" WATER METER BOX	SWING TIE 110 - SET NAIL & DISK "ST#110"	5.8	SWING TIE 92 - SAN M.H. 55	192.8
306	1" WATER METER BOX	SWING TIE 110 - SET NAIL & DISK "ST#110"	6.1	SWING TIE 92 - SAN M.H. 55	196.1
307	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	91.1	SWING TIE 101 - CL STR 202 @EP	130.3
308	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	86.8	SWING TIE 101 - CL STR 202 @EP	126.1
309	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	30.8	SWING TIE 101 - CL STR 202 @EP	30.4
310	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	48.2	SWING TIE 101 - CL STR 202 @EP	30.5
311	1" WATER METER BOX	SWING TIE 99 - SAN M.H. 68	97.8	SWING TIE 100 - SAN M.H. 62	159.6
312	1" WATER METER BOX	SWING TIE 99 - SAN M.H. 68	93.2	SWING TIE 100 - SAN M.H. 62	164.2
314	1" WATER METER BOX	SWING TIE 99 - SAN M.H. 68	101.3	SWING TIE 100 - SAN M.H. 62	162.3
315	1" WATER METER BOX	SWING TIE 99 - SAN M.H. 68	105.9	SWING TIE 100 - SAN M.H. 62	158.1
316	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	55.8	SWING TIE 101 - CL STR 202 @EP	19.0
317	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	41.8	SWING TIE 101 - CL STR 202 @EP	18.9
318	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	84.0	SWING TIE 101 - CL STR 202 @EP	116.4
319	1" WATER METER BOX	SWING TIE 100 - SAN M.H. 62	87.6	SWING TIE 101 - CL STR 202 @EP	120.3
320	1" WATER METER BOX	SWING TIE 110 - SET NAIL & DISK "ST#110"	40.6	SWING TIE 92 - SAN M.H. 55	197.7



POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blakeie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.S.M. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30358	FIRE HYDRANT	SWING TIE 102 - SAN M.H. 57	147.2	SWING TIE 84 - SAN M.H. 71	32.4	19.5
30359	WM 8" TOP OF PIPE	SWING TIE 102 - SAN M.H. 57	48.4	SWING TIE 83 - FIRE HYDRANT	100.0	13.2
30352	WM 8"x8" CROSS	SWING TIE 84 - SAN M.H. 71	16.0	SWING TIE 83 - FIRE HYDRANT	19.9	13.3
30353	WM 8" TOP OF PIPE	SWING TIE 84 - SAN M.H. 71	18.4	SWING TIE 83 - FIRE HYDRANT	37.7	12.9
30355	WM 8"x6" TEE	SWING TIE 84 - SAN M.H. 71	31.3	SWING TIE 83 - FIRE HYDRANT	4.2	13.5
30356	WM 8" G.V. NUT	SWING TIE 84 - SAN M.H. 71	34.0	SWING TIE 83 - FIRE HYDRANT	6.3	14.9
30357	WM 6" G.V. NUT	SWING TIE 84 - SAN M.H. 71	31.0	SWING TIE 83 - FIRE HYDRANT	3.5	14.4
30373	WM GV NUT	SWING TIE 84 - SAN M.H. 71	49.9	SWING TIE 83 - FIRE HYDRANT	73.8	15.0
77000	WM 8" CAP & B/O	SWING TIE 84 - SAN M.H. 71	52.3	SWING TIE 83 - FIRE HYDRANT	76.2	15.0

SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
346	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	174.9	SWING TIE 102 - SAN M.H. 57	31.2
347	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	178.1	SWING TIE 102 - SAN M.H. 57	33.3
334	1" WATER METER BOX	SWING TIE 83 - FIRE HYDRANT	165.7	SWING TIE 102 - SAN M.H. 57	35.3

VISTERA - PHASE 1- SEGMENT 4

09/25/23	RECORD DRAWINGS	JC
16	05/10/22	CHANGES PER CONTRACTOR RFI
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS
3	09/02/21	CHANGES PER SWFMM COMMENTS AND CONTRACTOR RFIs

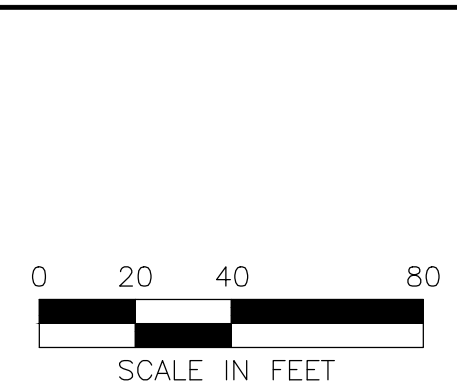
CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

04-30-21

RECORD DRAWINGS

AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying

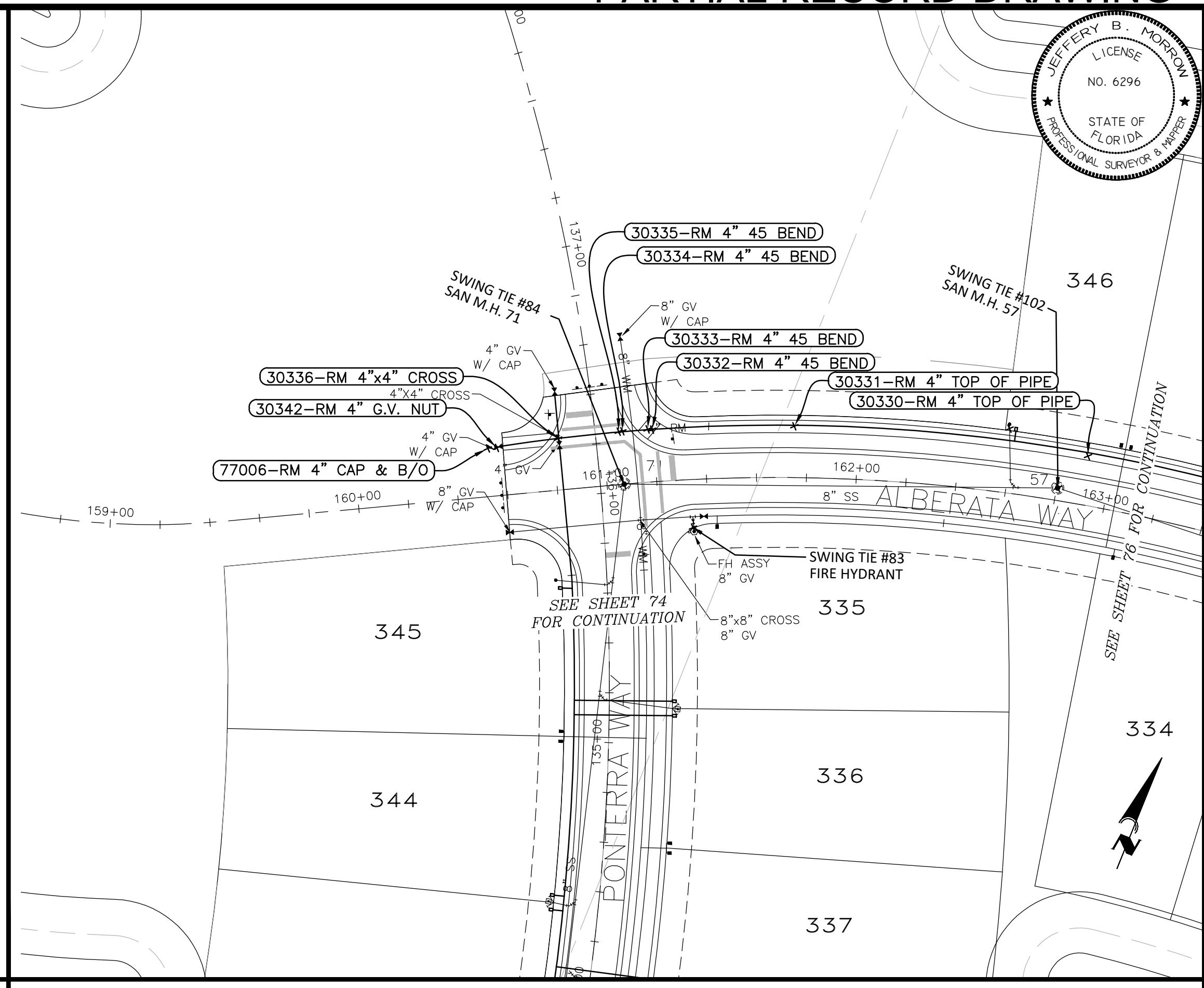
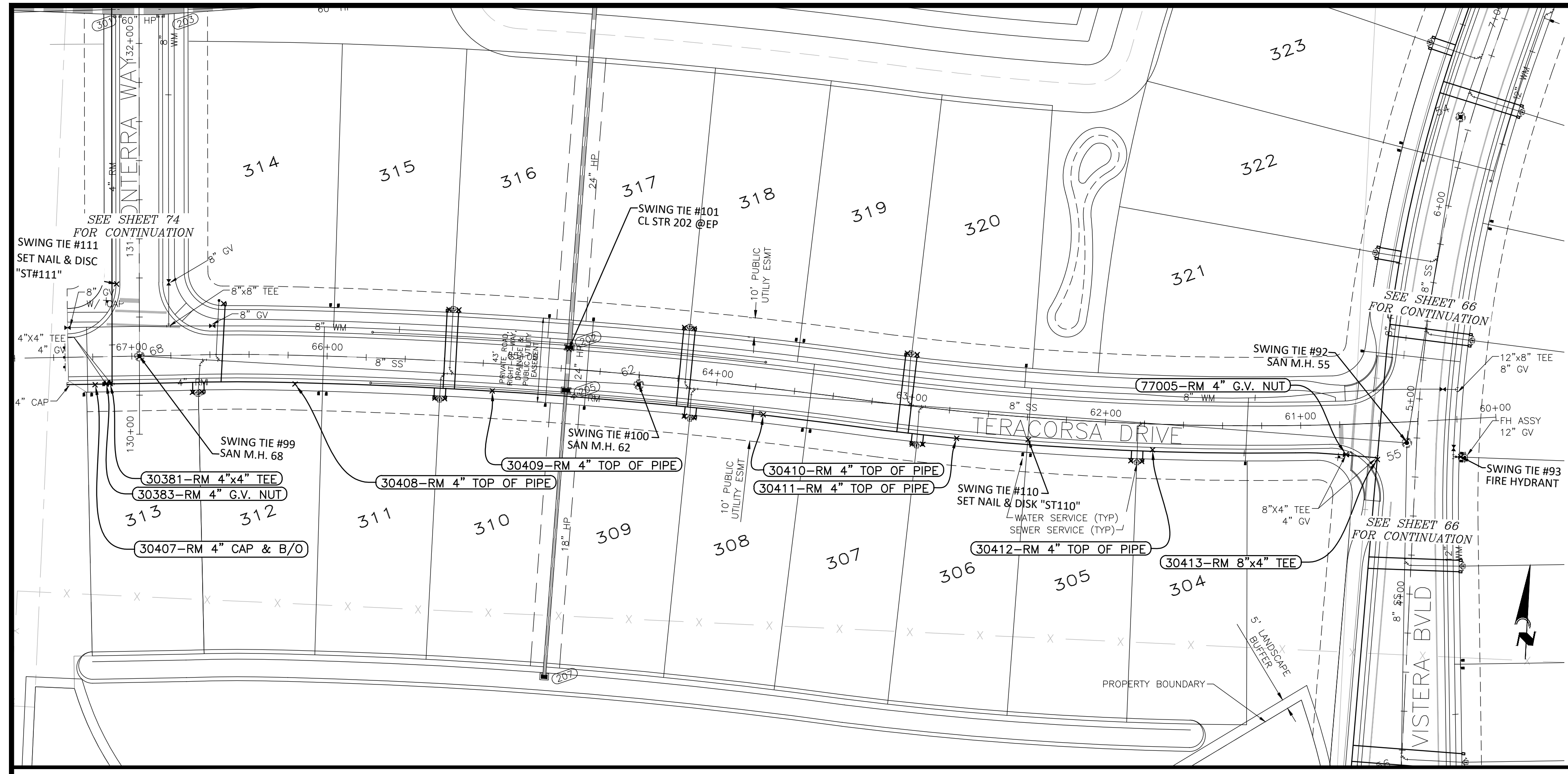
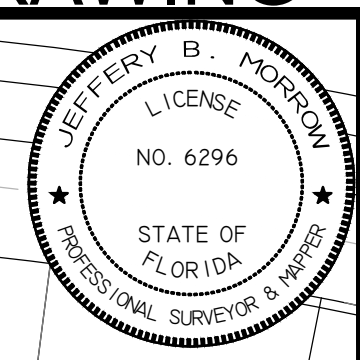
8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 TITLE: RECORDPLAN AND PROFILE TERACORSA STA 60+00 TO 67+20 ALBERATA STA 159+00 TO 163+00

HORIZONTAL SCALE: 1" = 40'
 VERTICAL SCALE: 1" = 4'
 NGVD 1929
 PROJECT NUMBER: NEAL0016
 SHEET NUMBER: 75A

BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804



SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
304	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	59.2	SWING TIE 92 - SAN M.H. 55	135.8
305	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	53.6	SWING TIE 92 - SAN M.H. 55	141.3
306	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	54.0	SWING TIE 100 - SAN M.H. 62	148.7
307	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	59.4	SWING TIE 100 - SAN M.H. 62	143.4
308	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	72.9	SWING TIE 100 - SAN M.H. 62	33.2
309	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	68.2	SWING TIE 100 - SAN M.H. 62	28.7
310	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	68.5	SWING TIE 100 - SAN M.H. 62	99.5
311	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	73.0	SWING TIE 100 - SAN M.H. 62	104.4
312	1" REUSE METER BOX	SWING TIE 99 - SAN M.H. 68	36.6	SWING TIE 111 - SET NAIL & DISK "ST111"	70.3
313	1" REUSE METER BOX	SWING TIE 99 - SAN M.H. 68	32.8	SWING TIE 111 - SET NAIL & DISK "ST111"	67.8
314	1" REUSE METER BOX	SWING TIE 99 - SAN M.H. 68	50.8	SWING TIE 111 - SET NAIL & DISK "ST111"	55.7
315	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	64.8	SWING TIE 100 - SAN M.H. 62	104.3
316	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	59.9	SWING TIE 100 - SAN M.H. 62	99.5
317	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	60.1	SWING TIE 100 - SAN M.H. 62	37.3
318	1" REUSE METER BOX	SWING TIE 101 - CL STR 202 @EP	64.8	SWING TIE 100 - SAN M.H. 62	40.1
319	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	76.1	SWING TIE 100 - SAN M.H. 62	138.5
320	1" REUSE METER BOX	SWING TIE 110 - SET NAIL & DISK "ST110"	71.7	SWING TIE 100 - SAN M.H. 62	143.4

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blakie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23

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SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
346	1" REUSE METER BOX	SWING TIE 102 - SAN M.H. 57	30.7	SWING TIE 83 - FIRE HYDRANT	133.0

SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30332	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	24.8	SWING TIE 83 - FIRE HYDRANT	42.6	13.6
30333	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	24.2	SWING TIE 83 - FIRE HYDRANT	43.4	12.2
30334	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	21.5	SWING TIE 83 - FIRE HYDRANT	47.9	12.0
30335	RM 4" 45 BEND	SWING TIE 84 - SAN M.H. 71	21.5	SWING TIE 83 - FIRE HYDRANT	48.6	13.4
30336	RM 4"x4" CROSS	SWING TIE 84 - SAN M.H. 71	32.4	SWING TIE 83 - FIRE HYDRANT	64.8	13.4
30342	RM 4" G.V. NUT	SWING TIE 84 - SAN M.H. 71	53.2	SWING TIE 83 - FIRE HYDRANT	84.8	14.0
77006	RM 4" CAP & B/O	SWING TIE 84 - SAN M.H. 71	56.6	SWING TIE 83 - FIRE HYDRANT	88.2	12.9
30330	RM 4" TOP OF PIPE	SWING TIE 83 - FIRE HYDRANT	161.0	SWING TIE 102 - SAN M.H. 57	17.5	11.1
30331	RM 4" TOP OF PIPE	SWING TIE 83 - FIRE HYDRANT	57.5	SWING TIE 102 - SAN M.H. 57	108.6	13.5

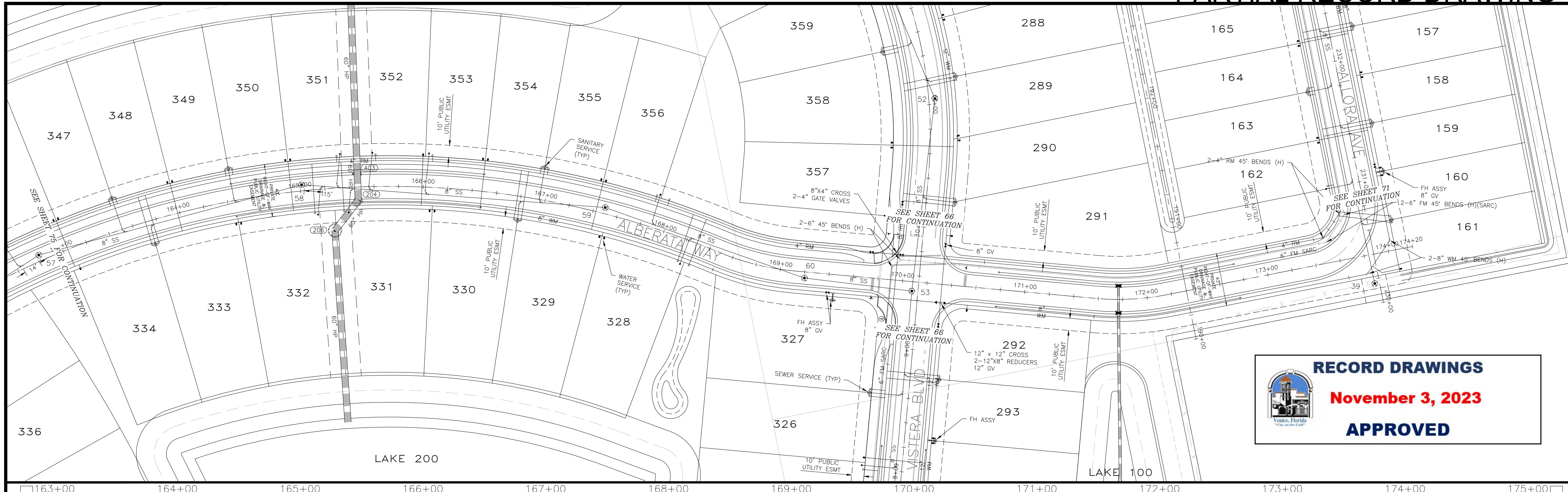
SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30381	RM 4"x4" TEE	SWING TIE 99 - SAN M.H. 68	20.6	SWING TIE 111 - SET NAIL & DISK "ST111"	51.1	12.5
30383	RM 4" G.V. NUT	SWING TIE 99 - SAN M.H. 68	22.0	SWING TIE 111 - SET NAIL & DISK "ST111"	51.4	13.4
30407	RM 4" CAP	SWING TIE 99 - SAN M.H. 68	27.0	SWING TIE 111 - SET NAIL & DISK "ST111"	52.8	16.9
30408	RM 4" TOP OF PIPE	SWING TIE 99 - SAN M.H. 68	80.8	SWING TIE 111 - SET NAIL & DISK "ST111"	104.7	12.2
30409	RM 4" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	75.0	SWING TIE 101 - CL STR 202 @EP	44.7	11.5
30410	RM 4" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	65.7	SWING TIE 101 - CL STR 202 @EP	104.9	11.2
30411	RM 4" TOP OF PIPE	SWING TIE 100 - SAN M.H. 62	165.2	SWING TIE 110 - SET NAIL & DISK "ST110"	36.7	11.7
30412	RM 4" TOP OF PIPE	SWING TIE 110 - SET NAIL & DISK "ST110"	63.9	SWING TIE 92 - SAN M.H. 55	129.9	11.8
30413	RM 8"x4" TEE	SWING TIE 110 - SET NAIL & DISK "ST110"	179.1	SWING TIE 92 - SAN M.H. 55	17.4	12.4
77005	RM 4" G.V. NUT & B/O	SWING TIE 110 - SET NAIL & DISK "ST110"	162.8	SWING TIE 92 - SAN M.H. 55	31.6	12.4

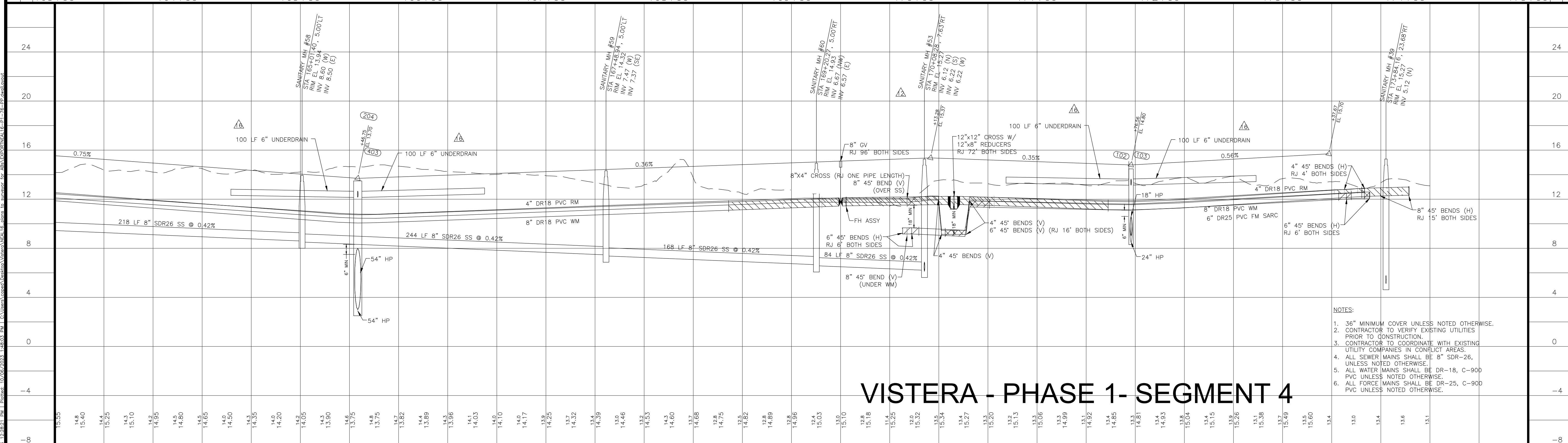
RECORD DRAWINGS
 November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

09/25/23	RECORD DRAWINGS	JC																						
CALL BEFORE YOU DIG! "SUNSHINE STATE ONE-CALL CENTER" 1-800-432-4770 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.										Civil Engineering Land Surveying AM ENGINEERING, LLC. 8340 Consumer Court Sarasota, FL 34240 Phone: (941) 377-9178 www.amengll.com CA #33105 LB #4334					BORDER ROAD INVESTMENTS, LLC VISTERA OF VENICE RECORDPLAN AND PROFILE TERACORSA STA 60+00 TO 67+20 ALBERATA STA 159+00 TO 163+00					HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=4' NGVD 1929 PROJECT NUMBER: NEAL0016 SHEET NUMBER: 75 B BOBBI R. CLAYBROOKE, P.E. DATE: _____ FLORIDA P.E. NO. 90804				
16 05/10/22 CHANGES PER CONTRACTOR RFI CD 12 02/09/22 CHANGES PER COUNTY UTILITY COMMENTS CD 4 10/21/21 CHANGES PER COUNTY AND CITY COMMENTS CD 3 09/02/21 CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs CD										04-30-21 CD RECORD DRAWINGS										SCALE IN FEET 0 20 40 80				



RECORD DRAWINGS
November 3, 2023
APPROVED



VISTERA - PHASE 1- SEGMENT 4

- NOTES:**
1. 36" MINIMUM COVER UNLESS NOTED OTHERWISE.
 2. CONTRACTOR TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 3. CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
 4. ALL SEWER MAINS SHALL BE 8" SDR-26, UNLESS NOTED OTHERWISE.
 5. ALL WATER MAINS SHALL BE DR-18, C-900 PVC UNLESS NOTED OTHERWISE.
 6. ALL FORCE MAINS SHALL BE DR-25, C-900 PVC UNLESS NOTED OTHERWISE.

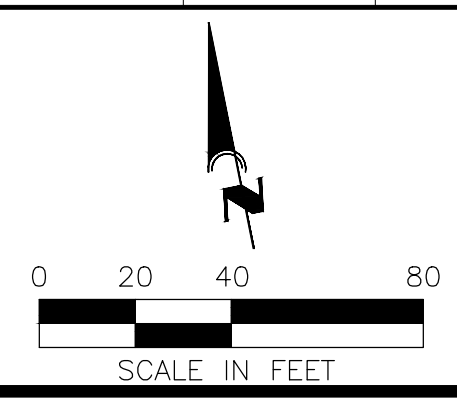
REV. No.	REV. DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

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ISSUE DATE: 04-30-21

RECORD DRAWINGS

AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334

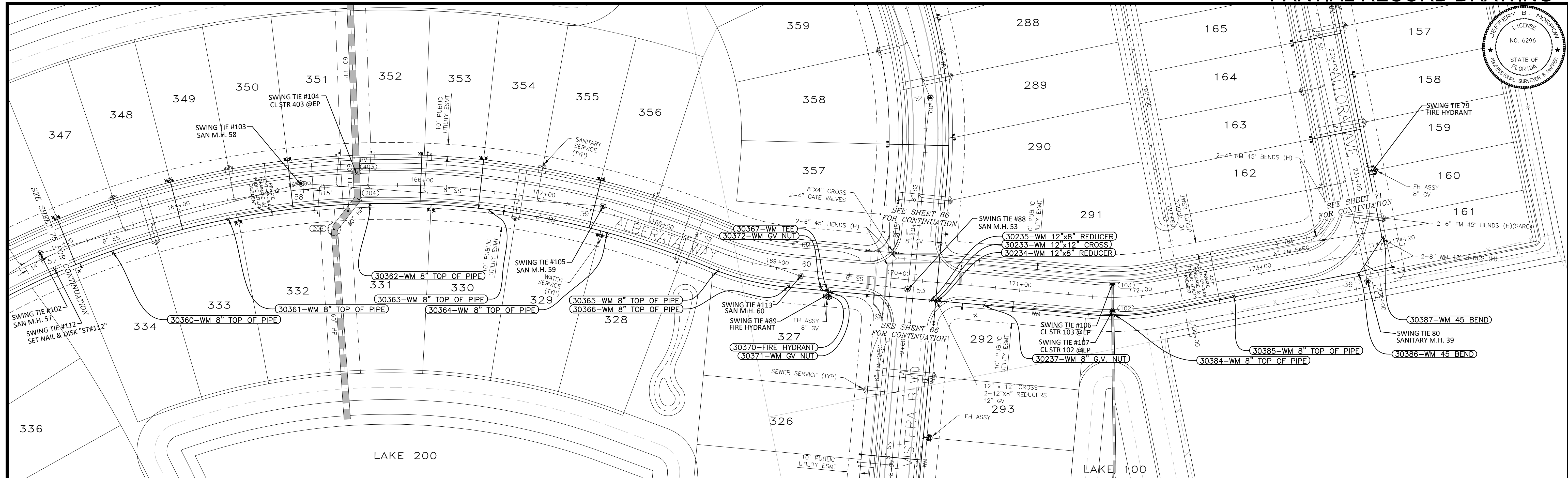
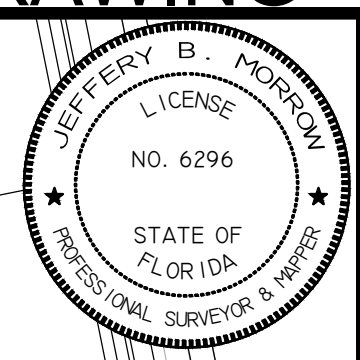


CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 TITLE: RECORDPLAN AND PROFILE
 ALBERATA WAY
 STA 163+00 TO STA 175+00

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
VERTICAL DATUM: NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 76

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: _____
 FLORIDA P.E. No. 90804

C:\Users\j2023\Documents\16242603_16242603.dwg | Project: 16242603_16242603 | Date: 10/21/2023 14:50:58 | User: j2023 | Path: C:\Users\j2023\Documents\16242603_16242603.dwg



SWING TIE INFORMATION - WATER SERVICES

Table with 6 columns: LOT NUMBER, DESCRIPTION, SWING TIE & DESCRIPTION, DISTANCE, SWING TIE & DESCRIPTION, DISTANCE. Lists water service swing ties for lots 256 through 355.

SWING TIE INFORMATION - WATER MAIN

Table with 7 columns: POINT NUMBER, DESCRIPTION, SWING TIE & DESCRIPTION, DISTANCE, SWING TIE & DESCRIPTION, DISTANCE, EL. Lists water main swing ties for points 30360 through 30387.

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384, 8111 Blaikie Court, Suite E, Sarasota, FL 34240, Phone: (941) 378-4797, Fax: (941) 378-0056

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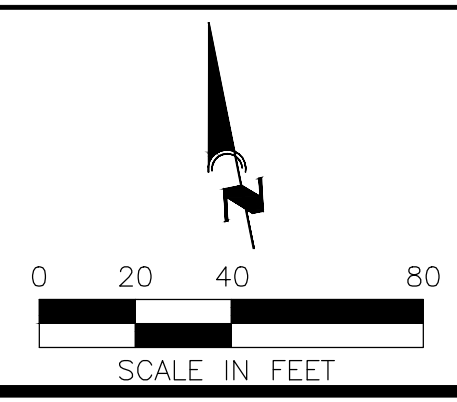


VISTERA - PHASE 1- SEGMENT 4

Revision table with columns: REV. No., REV. DATE, REVISION DESCRIPTION, BY. Shows revisions from 09/25/23 to 05/10/22.

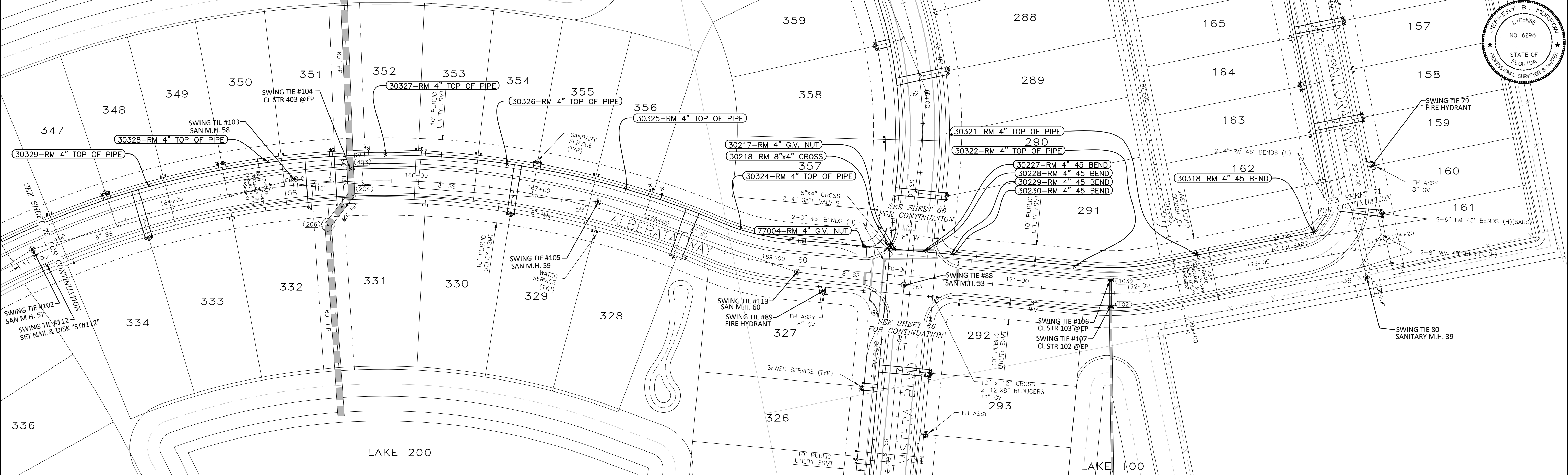
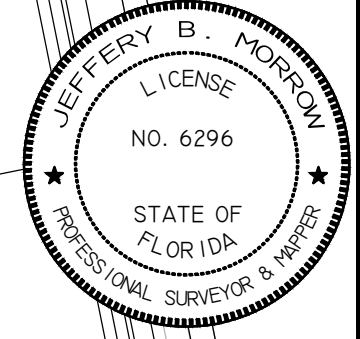
CALL BEFORE YOU DIG! SUNSHINE STATE ONE-CALL CENTER 1-800-432-4770. RECORD DRAWINGS stamp.

AM ENGINEERING, LLC logo and contact information: 8340 Consumer Court Sarasota, FL 34240, Phone: (941) 377-9178 | www.amengll.com



BORDER ROAD INVESTMENTS, LLC, VISTERA OF VENICE, RECORDPLAN AND PROFILE ALBERATA WAY STA 163+00 TO STA 175+00

Scale: 1"=40' (Horizontal), 1"=4' (Vertical). Project Engineer: BOBBI R. CLAYBROOKE, P.E. Date: 11/03/23. Sheet Number: 76A.



SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE
223	1" REUSE METER BOX	SWING TIE 102 - SAN M.H. 57	94.0	SWING TIE 112 - SET NAIL & DISK "ST112"	84.6
328	1" REUSE METER BOX	SWING TIE 105 - SAN M.H. 59	76.0	SWING TIE 113 - SAN M.H. 60	101.6
329	1" REUSE METER BOX	SWING TIE 104 - CL STR 403 @EP	137.8	SWING TIE 105 - SAN M.H. 59	69.6
330	1" REUSE METER BOX	SWING TIE 104 - CL STR 403 @EP	133.0	SWING TIE 105 - SAN M.H. 59	74.4
331	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	48.5	SWING TIE 104 - CL STR 403 @EP	29.5
332	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	26.7	SWING TIE 104 - CL STR 403 @EP	46.1
333	1" REUSE METER BOX	SWING TIE 102 - SAN M.H. 57	97.1	SWING TIE 112 - SET NAIL & DISK "ST112"	87.8
347	1" REUSE METER BOX	SWING TIE 102 - SAN M.H. 57	72.4	SWING TIE 112 - SET NAIL & DISK "ST112"	73.2
348	1" REUSE METER BOX	SWING TIE 102 - SAN M.H. 57	76.1	SWING TIE 112 - SET NAIL & DISK "ST112"	76.4
349	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	63.6	SWING TIE 104 - CL STR 403 @EP	108.8
350	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	59.3	SWING TIE 104 - CL STR 403 @EP	104.4
351	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	39.2	SWING TIE 104 - CL STR 403 @EP	21.9
352	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	65.9	SWING TIE 104 - CL STR 403 @EP	22.3
353	1" REUSE METER BOX	SWING TIE 103 - SAN M.H. 58	106.9	SWING TIE 104 - CL STR 403 @EP	60.0
354	1" REUSE METER BOX	SWING TIE 104 - CL STR 403 @EP	150.5	SWING TIE 105 - SAN M.H. 59	60.9
355	1" REUSE METER BOX	SWING TIE 104 - CL STR 403 @EP	154.7	SWING TIE 105 - SAN M.H. 59	57.4
356	1" REUSE METER BOX	SWING TIE 105 - SAN M.H. 59	44.8	SWING TIE 113 - SAN M.H. 60	139.1
GREEN SPACE	1" REUSE METER BOX	SWING TIE 105 - SAN M.H. 59	53.8	SWING TIE 113 - SAN M.H. 60	129.1
GREEN SPACE	1" REUSE METER BOX	SWING TIE 105 - SAN M.H. 59	84.7	SWING TIE 113 - SAN M.H. 60	91.7

SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE & DESCRIPTION	DISTANCE	SWING TIE & DESCRIPTION	DISTANCE	EL
30329	RM 4" TOP OF PIPE	SWING TIE 102 - SAN M.H. 57	108.2	SWING TIE 103 - SAN M.H. 58	118.2	11.5
30327	RM 4" TOP OF PIPE	SWING TIE 103 - SAN M.H. 58	77.5	SWING TIE 104 - CL STR 403 @EP	30.9	11.3
30328	RM 4" TOP OF PIPE	SWING TIE 103 - SAN M.H. 58	25.3	SWING TIE 104 - CL STR 403 @EP	67.6	11.2
30326	RM 4" TOP OF PIPE	SWING TIE 104 - CL STR 403 @EP	127.8	SWING TIE 105 - SAN M.H. 59	80.2	11.0
30324	RM 4" TOP OF PIPE	SWING TIE 105 - SAN M.H. 59	118.5	SWING TIE 113 - SAN M.H. 60	58.4	10.9
30325	RM 4" TOP OF PIPE	SWING TIE 105 - SAN M.H. 59	25.5	SWING TIE 113 - SAN M.H. 60	155.0	10.8
30217	RM 4" G.V. NUT	SWING TIE 113 - SAN M.H. 60	81.8	SWING TIE 88 - SAN M.H. 53	31.6	12.3
30218	RM 8"x4" CROSS	SWING TIE 113 - SAN M.H. 60	79.1	SWING TIE 88 - SAN M.H. 53	33.1	11.7
30227	RM 4" 45 BEND	SWING TIE 113 - SAN M.H. 60	104.9	SWING TIE 88 - SAN M.H. 53	32.4	11.3
30228	RM 4" 45 BEND	SWING TIE 113 - SAN M.H. 60	107.0	SWING TIE 88 - SAN M.H. 53	33.5	10.7
30229	RM 4" 45 BEND	SWING TIE 113 - SAN M.H. 60	127.1	SWING TIE 88 - SAN M.H. 53	46.6	9.2
30230	RM 4" 45 BEND	SWING TIE 113 - SAN M.H. 60	129.0	SWING TIE 88 - SAN M.H. 53	47.9	12.1
77004	RM 4" G.V. NUT	SWING TIE 113 - SAN M.H. 60	58.7	SWING TIE 88 - SAN M.H. 53	46.3	12.3
30321	RM 4" TOP OF PIPE	SWING TIE 106 - CL STR 103 @EP	74.4	SWING TIE 107 - CL STR 102 @EP	82.1	12.2
30322	RM 4" TOP OF PIPE	SWING TIE 106 - CL STR 103 @EP	31.7	SWING TIE 107 - CL STR 102 @EP	43.5	12.3
30318	RM 4" 45 BEND	SWING TIE 80 - SAN M.H. 39	56.3	SWING TIE 79 - FIRE HYDRANT	71.9	12.7

POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
 8111 Blaikie Court, Suite E
 Sarasota, FL 34240
 Phone: (941) 378-4797
 Fax: (941) 378-0058

CERTIFICATION:
 I HEREBY CERTIFY THAT THE AS-BUILT MEASUREMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED IN THE FIELD UNDER MY DIRECTION, TOGETHER WITH AS-BUILT MEASUREMENTS FROM MARKERS POSITIONED AND INFORMATION PROVIDED BY CONTRACTOR. DATE OF LAST FIELD MEASUREMENTS: 09/21/23
 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JEFFERY MORROW P.S.M. USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

RECORD DRAWINGS
November 3, 2023
APPROVED

VISTERA - PHASE 1- SEGMENT 4

09/25/23	RECORD DRAWINGS	JC	
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
12	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS	CD
7	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS	CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS	CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs	CD

CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

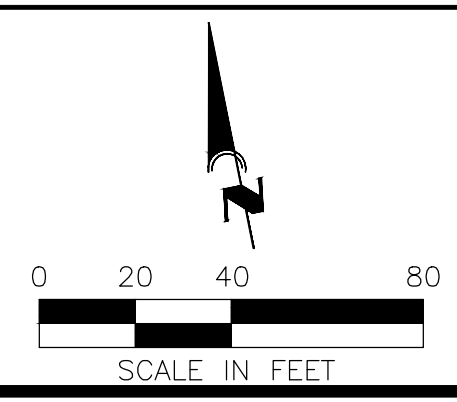
ISSUE DATE: 04-30-21

RECORD DRAWINGS

Civil Engineering | Land Surveying

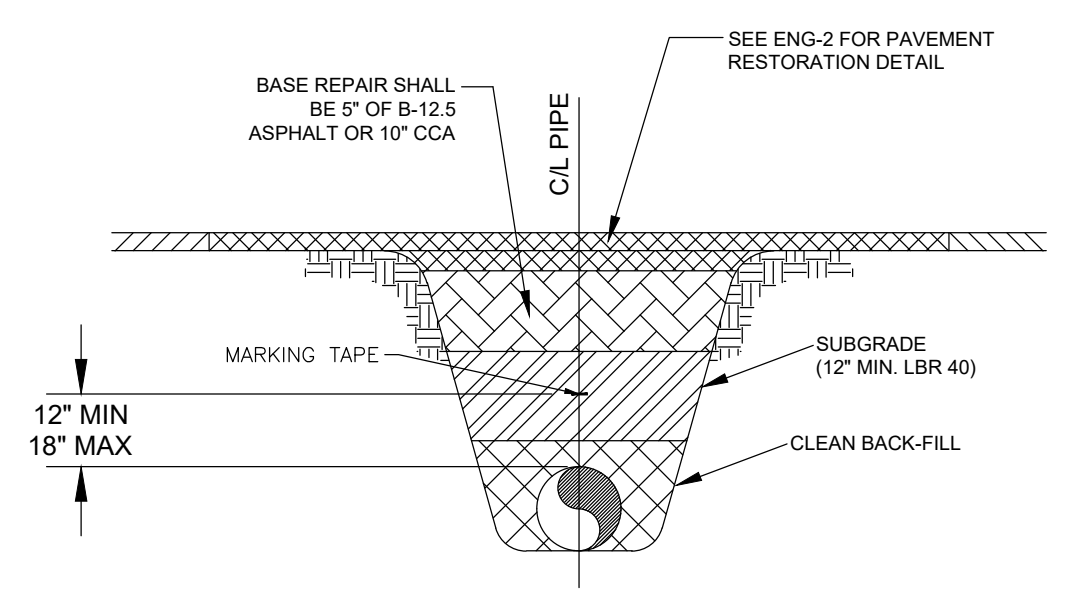
AM ENGINEERING, LLC.

8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



CLIENT:	BORDER ROAD INVESTMENTS, LLC
PROJECT:	VISTERA OF VENICE
DATE:	RECORDPLAN AND PROFILE ALBERATA WAY STA 163+00 TO STA 175+00

HORIZONTAL SCALE:	1" = 40'
VERTICAL SCALE:	1" = 4'
NGVD DATUM:	NGVD 1929
PROJECT NUMBER:	NEAL0016
SHEET NUMBER:	76 B
PROJECT ENGINEER:	BOBBY R. CLAYBROOKE, P.E. DATE: _____ FLORIDA P.E. No. 90804



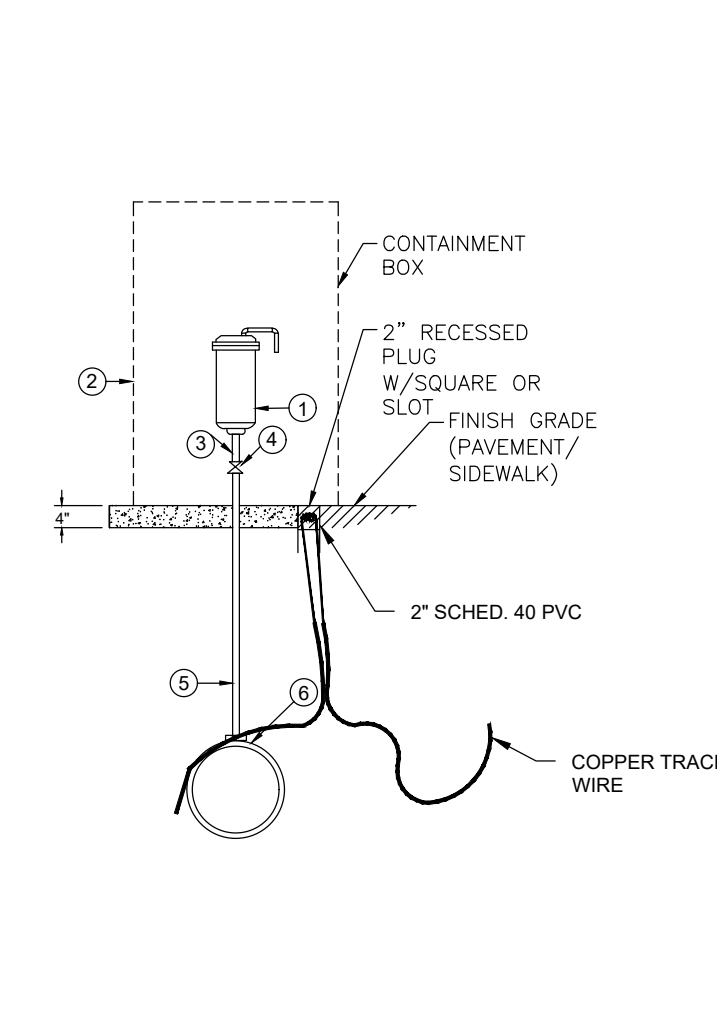
MARKING TAPE AND MESSAGES		
PIPE	TAPE COLOR	MESSAGE
PVC STORM WATER	WHITE	CAUTION STORM WATER OR STORM DRAIN BELOW
POTABLE WATER MAIN	BLUE	CAUTION POTABLE WATER MAIN BELOW
REUSE WATER MAIN	PURPLE	CAUTION REUSE WATER MAIN BELOW
SEWER FORCE MAIN	GREEN	CAUTION SEWER FORCE MAIN BELOW
SEWER & SERVICE LATERALS	GREEN	CAUTION SEWER MAIN BELOW

- COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE ATTACHED TO TOP OF PIPE AT 20' INTERVALS ON ALL RECLAIMED WATER, FORCE OR POTABLE WATER MAINS. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE)
- MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. MAXIMUM COVER SHALL BE 42" FROM FINISHED GRADE UNLESS OTHERWISE APPROVED.
- INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS.
- CONFLICTS - UTILIZE 45° BENDS WITH SEPARATION AS PER CITY DETAILS.
- ALL UTILITIES (PUBLIC & PRIVATE) THAT CROSS A DITCH/SWALE SHALL BE 36" MIN. BELOW THE ACTUAL DESIGN BOTTOM OF CONVEYANCE.
- MARKING TAPE SHALL BE 3" WIDE (MIN.) DETECTIBLE UNDERGROUND WARNING TAPE. INSTALL CENTERED DIRECTLY OVER THE PIPE.
- SEE S-6 FOR GRAVITY SEWER PIPE TRENCH DETAIL.

PRESSURE PIPE TRENCH DETAIL
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL UTILITY PIPE TRENCH	DATE MAY 2020 SHEET NO. U-1
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- ABOVE GROUND ARV CONTAINMENT NOTES:
- 12" HOLE MUST BE IN CENTER OF PAD.
 - CONTAINMENT BOX MUST BE COMPLETELY CONSTRUCTED OF STAINLESS STEEL.
 - CONTAINMENT BOX MUST BE EQUIPPED WITH A LOCKABLE DOOR.
 - THIS IS THE PREFERRED INSTALLATION IN LOW TRAFFIC AREAS.

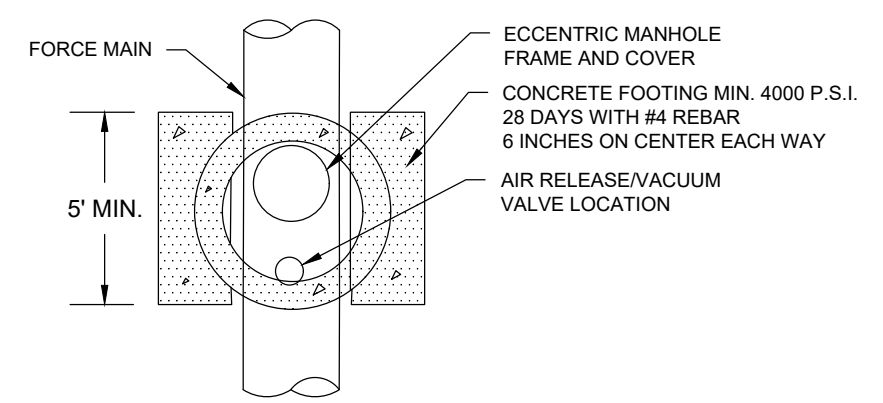


- AUTOMATIC AIR RELEASE WITH BACKWASH ACCESSORIES, MANUFACTURED BY APCO MODEL 400, VAL-MATIC MODEL 48 OR H-TEC MODEL 986 FOR POTABLE & REUSE. WASTEWATER SHALL BE H-TEC MODEL 986 ONLY.
- APPROVED STAINLESS STEEL ABOVE GROUND VALVE BOX SECTION WITH TOP SLAB, ASTM C478, LATEST REVISION.
- PIPE AND FITTINGS SHALL BE THREADED SCH 80 SS 316.
- SS 316 BALL VALVE.
- POLYUBING.
- ALL SS DOUBLE BAND SERVICE SADDLE (INCLUDING BODY).
- CAVS SHALL BE PLACED AT THE HIGH POINT OF THE MAIN.
- PIPE CAV'S DISCHARGE TO NEAREST GRAVITY SEWER MANHOLE (SEWER & REUSE ONLY).

AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV) DETAIL
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL AUTO. COMBINATION AIR RELEASE VALVE	DATE MAY 2020 SHEET NO. U-2
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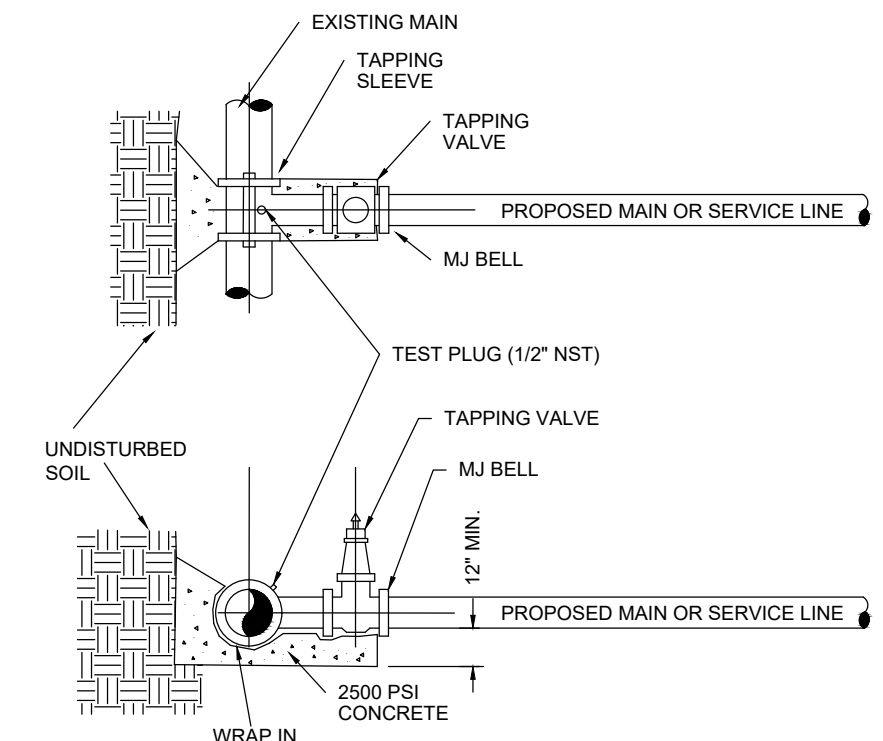
ALTERNATE REQUIRES APPROVAL OF UTILITIES DEPARTMENT



- AUTOMATIC AIR RELEASE WITH BACKWASH ACCESSORIES, MANUFACTURED BY APCO MODEL 400, VAL-MATIC MODEL 48 OR H-TEC MODEL 986 FOR POTABLE & REUSE. WASTEWATER SHALL BE H-TEC MODEL 986 ONLY.
- PRECAST CONCRETE 4 FOOT DIA. MANHOLE.
- PIPE AND FITTINGS SHALL BE THREADED SCH 80 SS 316.
- SS 316 BALL VALVE.
- CRUSHED SHELL.
- ALL SS DOUBLE BAND SERVICE SADDLE (INCLUDING BODY).
- PIPE CAV'S DISCHARGE TO NEAREST GRAVITY SEWER MANHOLE (SEWER & REUSE ONLY).

AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV) DETAIL (ALTERNATE)
N.T.S.

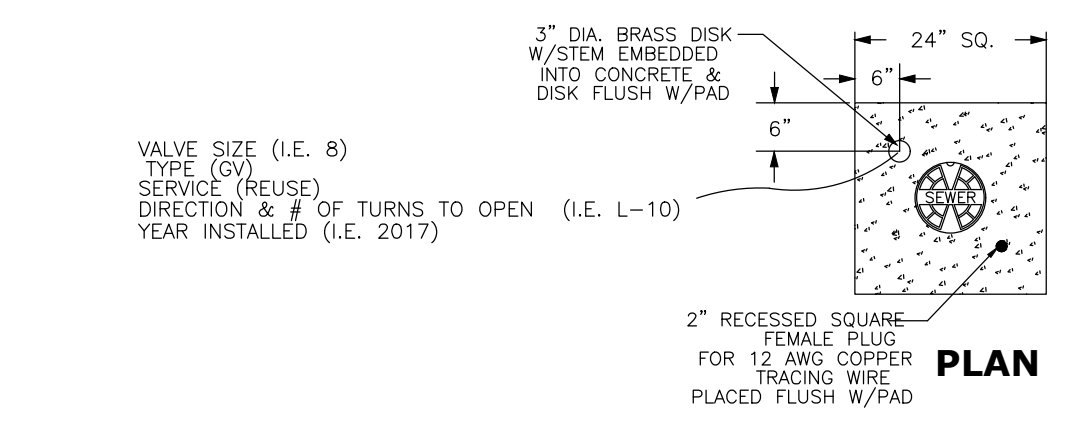
CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL AUTO. COMBINATION AIR RELEASE VALVE	DATE MAY 2020 SHEET NO. U-2a
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- EXISTING MAIN SHALL NOT BE TAPPED UNTIL THE ASSEMBLED SLEEVE AND VALVE ARE TESTED IN PLACE AT A MINIMUM OF 150 PSI FOR THIRTY MINUTES.
- UPON SUCCESSFUL TAPPING SLEEVE PRESSURE TEST (NOTE 1), THE THRUST BLOCK SHALL BE POURED AND HAVE SET FOR 24 HRS PRIOR TO TAPPING. READY-MADE THRUST BLOCKS CAN BE USED WITH CITY APPROVAL.
- STAINLESS STEEL TAPPING SLEEVE SHALL BE FORD. ALL HARDWARE SHALL BE 316 STAINLESS STEEL. GASKETS SHALL BE VIRGIN SBR COMPOUND.
- GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER OR AMERICAN VALVE. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED (INTERIOR AND EXTERIOR) MEET ANSIAWWA C550, AND BE NSF61 CERTIFIED.
- TAPPING SLEEVES MAY ONLY BE USED WHEN THE TAP DIAMETER IS AT LEAST ONE PIPE SIZE SMALLER THAN THE DIAMETER OF THE MAIN BEING TAPPED.
- VALVE BOX ALIGNMENT DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH W-1 ON ALL VALVES ABOVE 1'.

TAPPING SLEEVE & VALVE DETAIL
N.T.S.

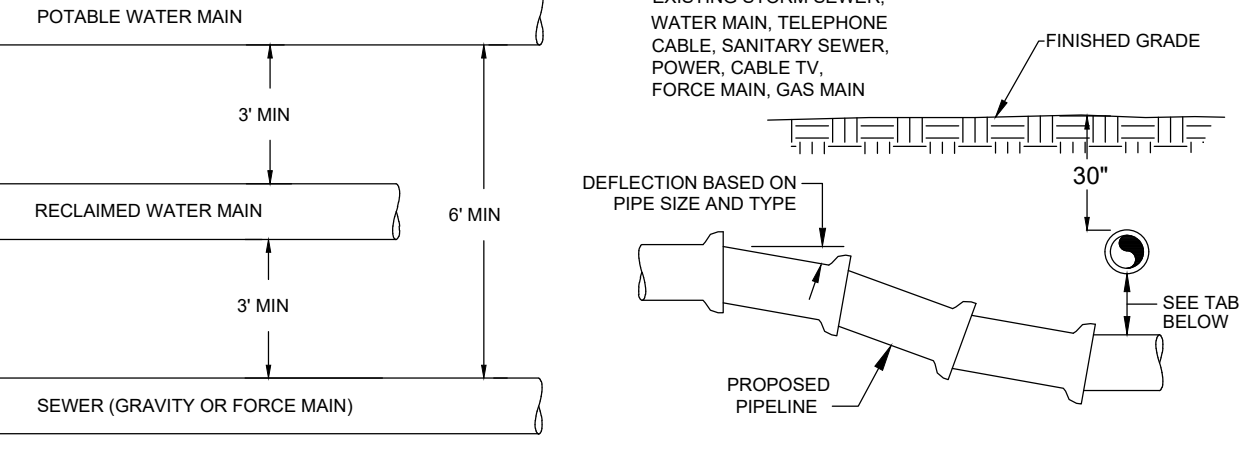
CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL TAPPING SLEEVE & VALVE	DATE MAY 2020 SHEET NO. U-3
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- PAVED AREAS: SET CONCRETE PAD AND COVER FLUSH WITH FINISHED PAVEMENT SURFACE.
- UNPAVED AREAS: SET PAD AND COVER 4" DEPTH ABOVE FINISHED GRADE.
- VALVES LOCATED IN DITCH AND COVER 4" DEPTH (LINE) MUST USE TRENCH ADAPTER VALVE BOX (AMERICAN FLOW CONTROL).
- COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE). CONTINUITY TEST SHALL BE PERFORMED ON ALL TRACER WIRES THROUGHOUT CONSTRUCTION.
- PRE-CAST PADS MAY BE USED WITH CITY APPROVAL.
- FOR CURBED ROADWAYS, CURBS SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
- VALVE BOX COVERS SHALL BE PAINTED BLUE FOR POTABLE WATER, PURPLE FOR REUSE WATER, AND GREEN FOR SEWER.

VALVE BOX DETAIL
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL VALVE BOX	DATE MAY 2020 SHEET NO. U-4
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MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)		MINIMUM VERTICAL SEPARATION DISTANCES (IN)	
(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)		(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)	
WATER MAIN	3	WATER MAIN	6
FORCE MAIN	6	FORCE MAIN	12
SANITARY SEWER	3	SANITARY SEWER	6
REUSE MAIN	3	REUSE MAIN	6
STORM WATER	3	STORM WATER	6
OTHER UTILITIES (TELEPHONE, CABLE, ETC.)	3	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)	6

- MAXIMUM JOINT DEFLECTION SHALL BE 90% OF MANUFACTURER'S RECOMMENDATION.
- WHEREVER POSSIBLE, THE LAYOUT OF UTILITIES SHALL PLACE SANITARY SEWER AND SEWER FORCE MAINS BELOW RECLAIMED MAINS AND BELOW WATER MAINS, RESPECTIVELY. WHERE WATER MAINS ARE ABOVE GRAVITY SEWERS OR WASTEWATER FORCE MAINS, A VERTICAL CLEARANCE OF 6 INCHES IS ACCEPTABLE. STORM SHALL BE PLACED BELOW BOTH WATER AND SEWER WHERE POSSIBLE.
- ACCEPTABLE VARIANCES:
 - WHERE HORIZONTAL SEPARATION CANNOT BE MAINTAINED, C900 DR14 PVC PIPE SHALL BE USED FOR ONE OF THE PIPELINES.
 - WHERE VERTICAL CLEARANCE CANNOT BE MAINTAINED, ONE FULL LENGTH OF DR14 C900 PIPE SHALL BE INSTALLED CENTERED AT THE POINT OF CROSSING.
 - WHERE 36" MINIMUM DEPTH OF COVER CANNOT BE MAINTAINED, SPECIAL PROTECTION OR PIPE MATERIAL UPGRADE MAY BE REQUIRED, AT THE DISCRETION OF THE UTILITY DEPARTMENT.
- NO UTILITY PIPE SHALL PASS THROUGH, OR COME IN CONTACT WITH ANY PART OF A SANITARY MANHOLE OR STORMWATER STRUCTURE WITHOUT APPROVAL FROM THE UTILITIES DIRECTOR OR CITY ENGINEER.

UTILITY CONFLICT & SEPARATION DETAIL
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL UTILITY CONFLICTS & SEPARATIONS	DATE MAY 2020 SHEET NO. U-5
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PIPE FITTINGS
N.T.S.

- ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON.
- ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER) SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT.
- ALL FITTINGS SHALL MEET ANSIAWWA C116/A21.16 STANDARDS.

SERVICE	COLOR	MATERIAL/CLASS
POTABLE WATER MAIN	BLUE	AWWA C900 PVC / DR 18
RAW WATER MAIN	WHITE	FUSIBLE C900 PVC / DR 18
REUSE MAIN	PURPLE	HDPE PPI PE 4710 / DR 11 (DUCTILE IRON PIPE SIZE)
FORCE MAIN (MIN. 4" DIAMETER)	GREEN	PE (POLYUBING) / DR 9
WATER SERVICE	BLUE	PE (POLYUBING) / DR 9
REUSE SERVICE	PURPLE	PE (POLYUBING) / DR 9
GRAVITY SEWER MAIN (MIN. 8" DIAMETER)	GREEN	ASTMD3034 / SDR 26 FUSIBLE PVC / SDR 26
SEWER LATERAL (MIN. 6" DIAMETER)	GREEN	ASTMD3034 / SDR 26 / SDR 35 / SCH 40 PVC

PIPE MATERIAL SCHEDULE
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL PIPE FITTINGS & MATERIAL	DATE MAY 2020 SHEET NO. U-6
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MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING											
FITTING	PIPE SIZE (INCHES)										
45 BEND: H	4	6	9	12	14	16	21	23	25	29	
	VU	6	9	7	9	10	13	15	16	19	
		VD	12	20	26	32	37	48	53	28	68
			22.5 BEND: H	3	4	6	7	8	10	11	12
VU	2	3	4	4	5	6	7	8	9		
	VD	7	10	13	15	18	23	26	28	33	
		11.25 BEND: H	2	2	3	3	4	5	5	6	7

MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING											
FITTING	PIPE SIZE (INCHES)										
90 BEND: H	4	23	33	43	51	60	76	83	90	104	
	45 BEND: H	10	14	18	21	25	31	34	37	43	
		VU	6	8	11	13	16	20	22	24	28
			VD	22	30	40	48	56	72	80	87
22.5 BEND: H	5	7		8	10	12	15	17	18	21	
	VU	3	4	5	6	7	10	11	12	14	
		VD	10	15	19	23	27	35	38	42	49
11.25 BEND: H	2		3	4	5	6	7	8	9	10	
	PLUGS:	52	73	96	115	136	174	193	211	246	

- ABBREVIATIONS: H=HORIZONTAL, VU=VERTICAL UP, VD=VERTICAL DOWN.
- FOR TEE OR REDUCER FITTINGS SUBMIT RESTRAINED JOINT LENGTH CALCULATIONS TO CITY ENGINEER FOR REVIEW AND APPROVAL, USING THE ASSUMPTIONS LISTED ABOVE.
 - RESTRAINED JOINT LENGTH FOR WATER AND REUSE MAINS BASED ON TEST PRESSURE OF 150 PSI. RESTRAINED JOINT LENGTH FOR FORCE (SEWER) MAINS BASED ON TEST PRESSURE OF 100 PSI. CALCULATIONS WERE MADE USING EBAA IRON SOFTWARE (AVAILABLE AT WWW.EBAA.COM) AND THE FOLLOWING ASSUMPTIONS: GRANULAR MATERIAL (GM) SOIL TYPE, TRENCH TYPE 3, BURY DEPTH OF 3 FT, AND SAFETY FACTOR OF 2 TO 1. IF FIELD CONDITIONS DIFFER FROM ABOVE ASSUMPTIONS FOR SHALL PROVIDE CALCULATIONS BASED ON ACTUAL CONDITIONS.
 - RESTRAINED JOINT SHALL BE USED ON ALL JOINTS FROM ANY MAIN TEE TO ANY FIRE HYDRANT ASSEMBLY.
 - THRUST BLOCKS WILL NOT BE ACCEPTED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 - ALL HARDWARE SHALL BE 316 SS.

PRESSURE MAIN RESTRAINED JOINT TABLE
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - GENERAL RESTRAINED JOINT TABLE	DATE MAY 2020 SHEET NO. U-7
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CALL BEFORE YOU DIG!
"SUNSHINE STATE ONE-CALL CENTER"
1-800-432-4770
THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

DATE: 04-30-21

RECORD DRAWINGS

Civil Engineering | Land Surveying

AM ENGINEERING, LLC.

8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengllc.com
CA #33105 | LB #4334

BORDER ROAD INVESTMENTS, LLC

VISTERA OF VENICE

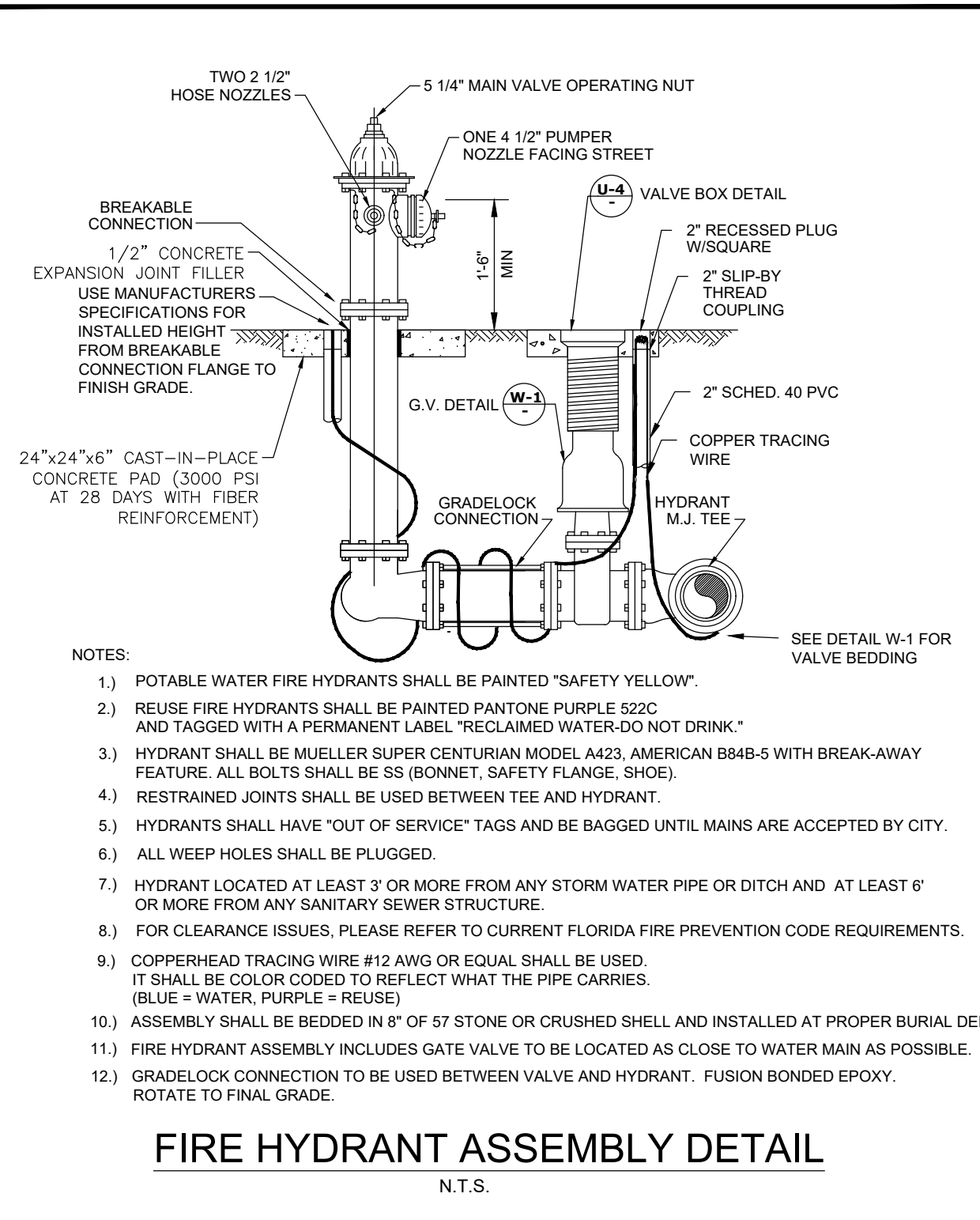
RECORD
CITY OF VENICE UTILITY DETAILS

RECORD DRAWINGS

November 3, 2023

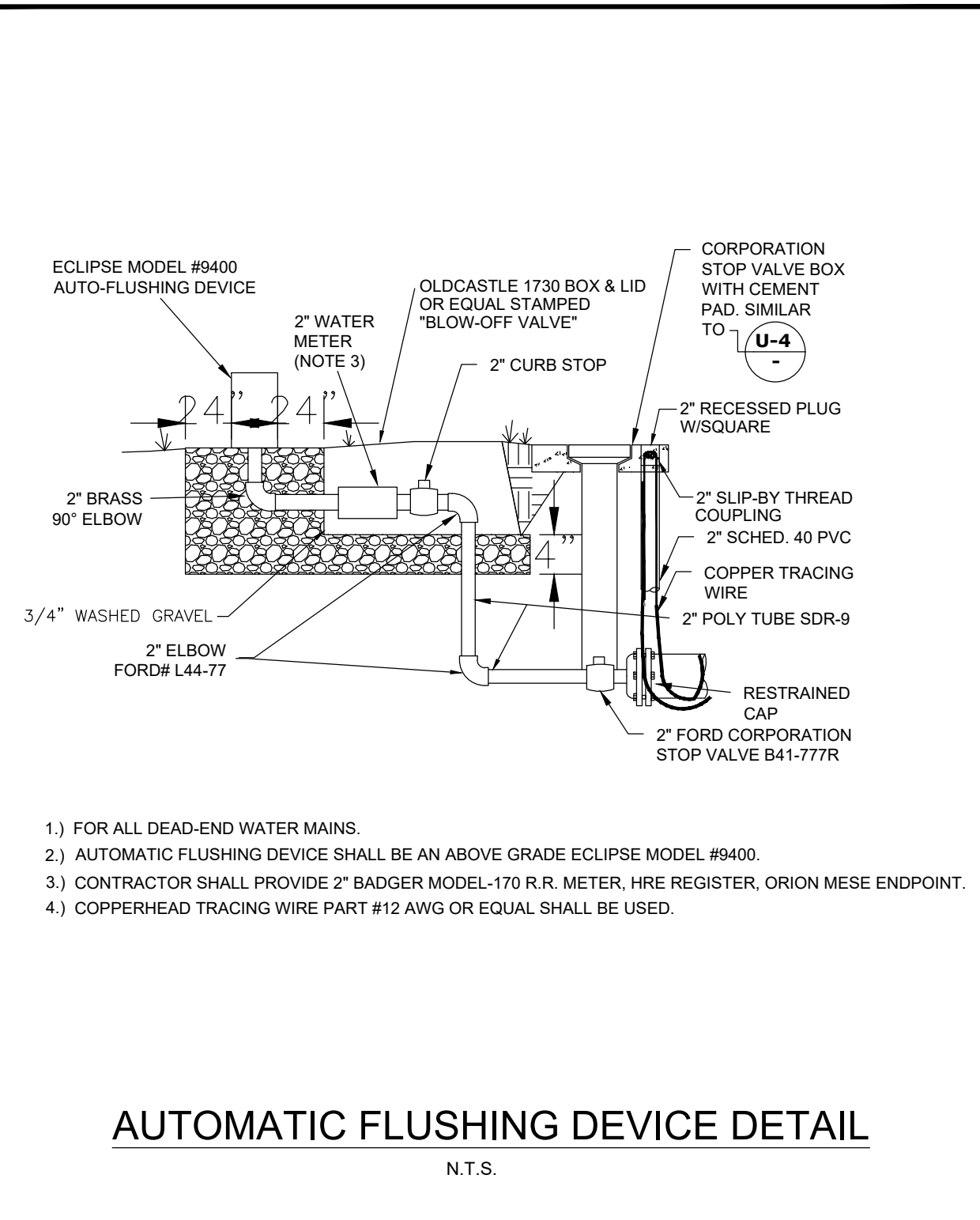
APPROVED

16 05/10/22 CHANGES PER CONTRACTOR RFI CD
 4 10/21/21 CHANGES PER COUNTY AND CITY COMMENTS CD
 3 09/02/21 CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs CD
 DATE REV. DATE REVISION DESCRIPTION BY



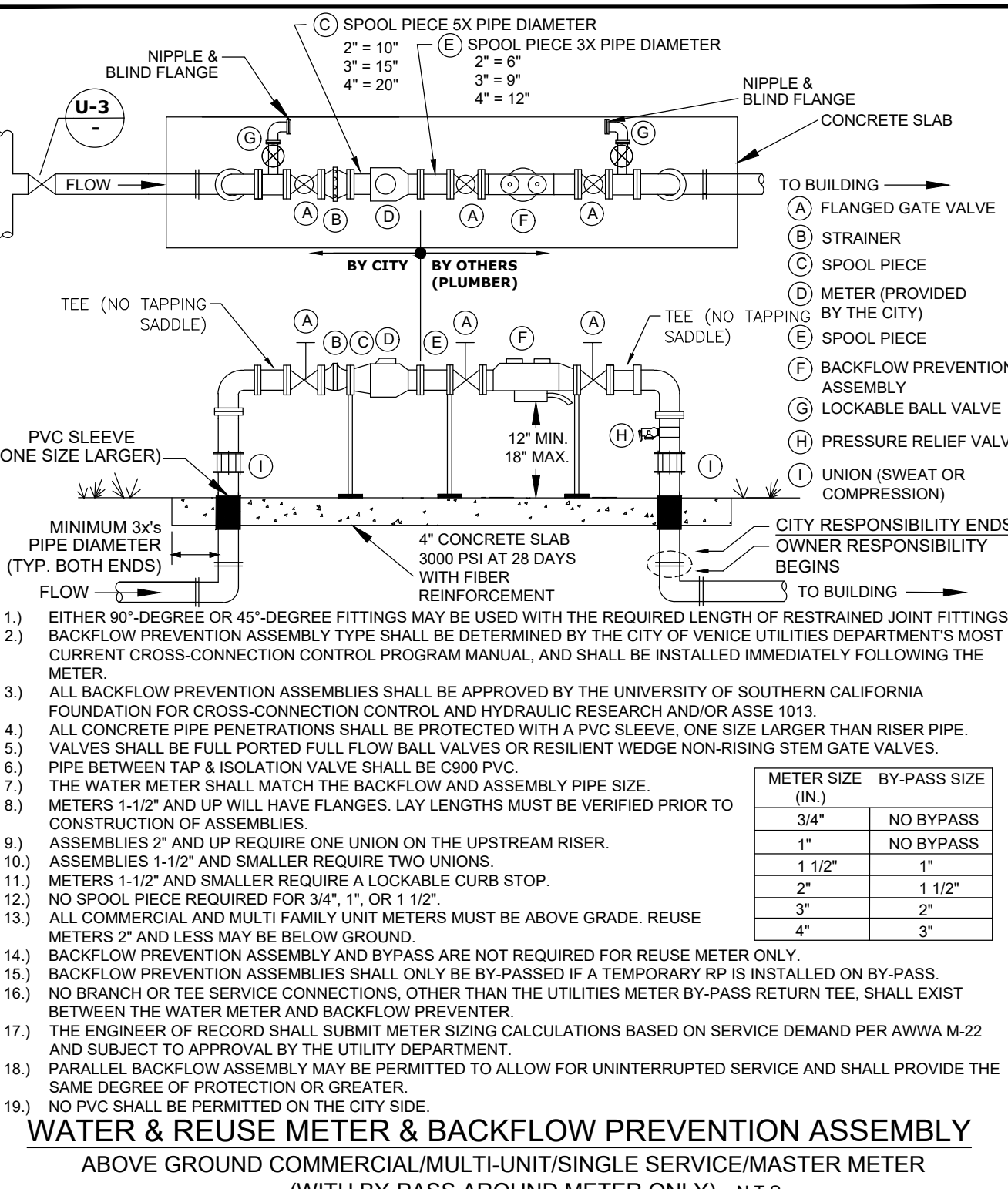
- NOTES:
- POTABLE WATER FIRE HYDRANTS SHALL BE PAINTED "SAFETY YELLOW."
 - REUSE FIRE HYDRANTS SHALL BE PAINTED PANTONE PURPLE 522C AND TAGGED WITH A PERMANENT LABEL "RECLAIMED WATER-DO NOT DRINK."
 - HYDRANT SHALL BE MUELLER SUPER CENTURIAN MODEL #423, AMERICAN B84B-5 WITH BREAK-AWAY FEATURE. ALL BOLTS SHALL BE SS (BONNET, SAFETY FLANGE, SHOES).
 - RESTRAINED JOINTS SHALL BE USED BETWEEN TEE AND HYDRANT.
 - HYDRANTS SHALL HAVE "OUT OF SERVICE" TAGS AND BE BAGGED UNTIL MAINS ARE ACCEPTED BY CITY.
 - ALL WEEP HOLES SHALL BE PLUGGED.
 - HYDRANT LOCATED AT LEAST 3' OR MORE FROM ANY STORM WATER PIPE OR DITCH AND AT LEAST 6' OR MORE FROM ANY SANITARY SEWER STRUCTURE.
 - FOR CLEARANCE ISSUES, PLEASE REFER TO CURRENT FLORIDA FIRE PREVENTION CODE REQUIREMENTS.
 - COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
 - ASSEMBLY SHALL BE BEDDED IN 6" OF 57 STONE OR CRUSHED SHELL AND INSTALLED AT PROPER BURIAL DEPTH.
 - FIRE HYDRANT ASSEMBLY INCLUDES GATE VALVE TO BE LOCATED AS CLOSE TO WATER MAIN AS POSSIBLE.
 - GRADELOCK CONNECTION TO BE USED BETWEEN VALVE AND HYDRANT. FUSION BONDED EPOXY. ROTATE TO FINAL GRADE.

FIRE HYDRANT ASSEMBLY DETAIL
N.T.S.



- FOR ALL DEAD-END WATER MAINS.
- AUTOMATIC FLUSHING DEVICE SHALL BE AN ABOVE GRADE ECLIPSE MODEL #9400.
- CONTRACTOR SHALL PROVIDE 2" BADGER MODEL-170 R.R. METER, HIRE REGISTER, ORION MESE ENDPOINT.
- COPPERHEAD TRACING WIRE PART #12 AWG OR EQUAL SHALL BE USED.

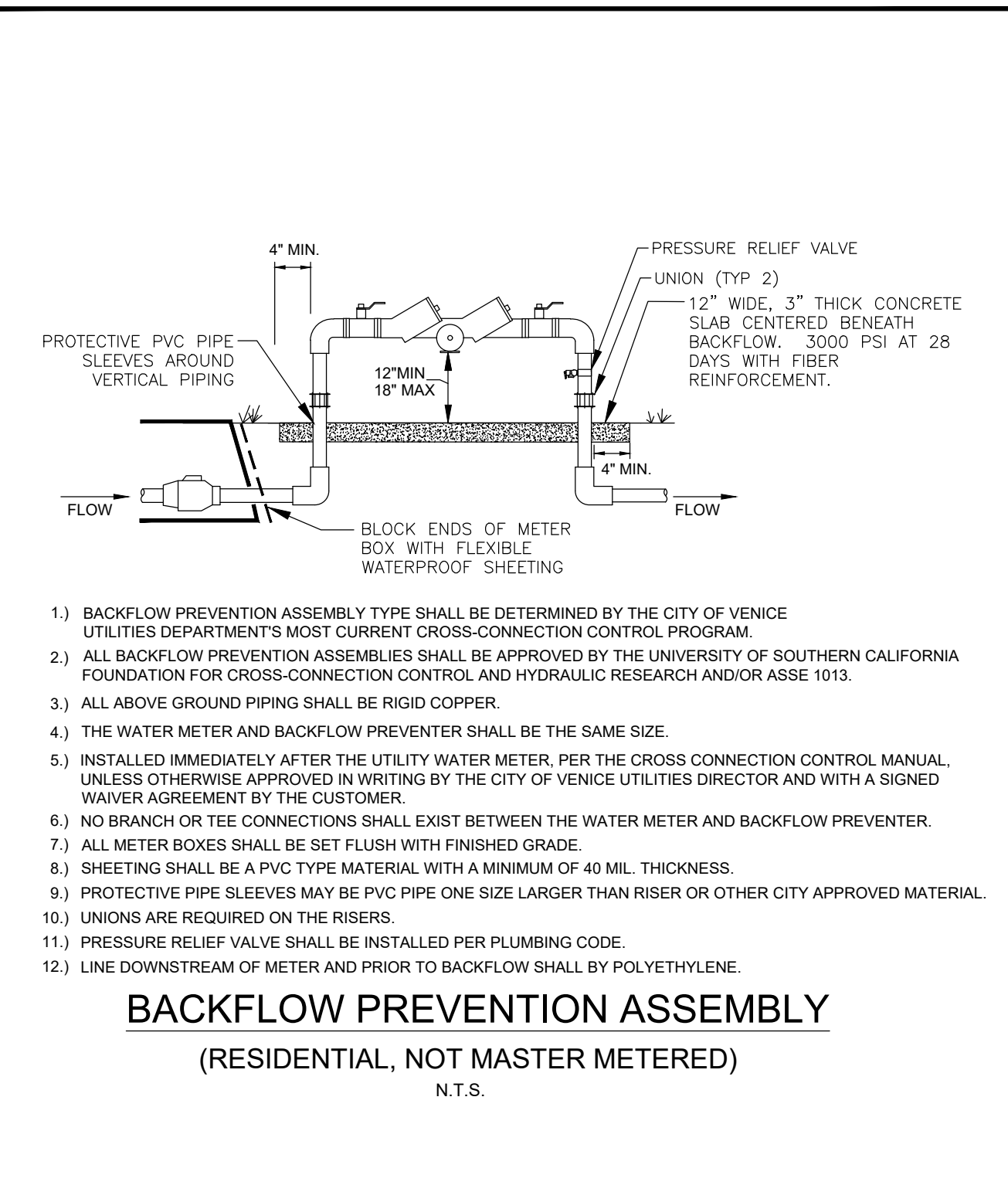
AUTOMATIC FLUSHING DEVICE DETAIL
N.T.S.



- EITHER 90-DEGREE OR 45-DEGREE FITTINGS MAY BE USED WITH THE REQUIRED LENGTH OF RESTRAINED JOINT FITTINGS.
- BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM MANUAL, AND SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE METER.
- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR ASSE 1013.
- ALL CONCRETE PIPE PENETRATIONS SHALL BE PROTECTED WITH A PVC SLEEVE, ONE SIZE LARGER THAN RISER PIPE.
- VALVES SHALL BE FULL PORTED FULL FLOW BALL VALVES OR RESILIENT WEDGE NON-RISING STEM GATE VALVES.
- PIPE BETWEEN TAP & ISOLATION VALVE SHALL BE C900 PVC.
- THE WATER METER SHALL MATCH THE BACKFLOW AND ASSEMBLY PIPE SIZE.
- METERS 1-1/2" AND UP WILL HAVE FLANGES. LAY LENGTHS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ASSEMBLIES.
- ASSEMBLIES 2" AND UP REQUIRE ONE UNION ON THE UPSTREAM RISER.
- ASSEMBLIES 1-1/2" AND SMALLER REQUIRE TWO UNIONS.
- METERS 1-1/2" AND SMALLER REQUIRE A LOCKABLE CURB STOP.
- NO SPOOL PIECE REQUIRED FOR 3/4", 1", OR 1 1/2".
- ALL COMMERCIAL AND MULTI FAMILY UNIT METERS MUST BE ABOVE GRADE. REUSE METERS 2" AND LESS MAY BE BELOW GROUND.
- BACKFLOW PREVENTION ASSEMBLY AND BYPASS ARE NOT REQUIRED FOR REUSE METER ONLY.
- BACKFLOW PREVENTION ASSEMBLIES SHALL ONLY BE BY-PASSED IF A TEMPORARY RP IS INSTALLED ON BY-PASS.
- NO BRANCH OR TEE SERVICE CONNECTIONS, OTHER THAN THE UTILITIES METER BY-PASS RETURN TEE, SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
- THE ENGINEER OF RECORD SHALL SUBMIT METER SIZING CALCULATIONS BASED ON SERVICE DEMAND PER AWWA M-22 AND SUBJECT TO APPROVAL BY THE UTILITIES DEPARTMENT.
- PARALLEL BACKFLOW ASSEMBLY MAY BE PERMITTED TO ALLOW FOR UNINTERRUPTED SERVICE AND SHALL PROVIDE THE SAME DEGREE OF PROTECTION OR GREATER.
- NO PVC SHALL BE PERMITTED ON THE CITY SIDE.

METER SIZE (IN.)	BY-PASS SIZE (IN.)
3/4"	NO BYPASS
1"	NO BYPASS
1 1/2"	1"
2"	1 1/2"
3"	2"
4"	3"

WATER & REUSE METER & BACKFLOW PREVENTION ASSEMBLY
ABOVE GROUND COMMERCIAL/MULTI-UNIT/SINGLE SERVICE/MASTER METER (WITH BY-PASS AROUND METER ONLY) N.T.S.



- BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM.
- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR ASSE 1013.
- ALL ABOVE GROUND PIPING SHALL BE RIGID COPPER.
- THE WATER METER AND BACKFLOW PREVENTER SHALL BE THE SAME SIZE.
- INSTALLED IMMEDIATELY AFTER THE UTILITY WATER METER, PER THE CROSS CONNECTION CONTROL MANUAL, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY OF VENICE UTILITIES DIRECTOR AND WITH A SIGNED WAIVER AGREEMENT BY THE CUSTOMER.
- NO BRANCH OR TEE CONNECTIONS SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
- ALL BRANCH BOXES SHALL BE SET FLUSH WITH FINISHED GRADE.
- SHEETING SHALL BE A PVC TYPE MATERIAL WITH A MINIMUM OF 40 MIL. THICKNESS.
- PROTECTIVE PIPE SLEEVES MAY BE PVC PIPE ONE SIZE LARGER THAN RISER OR OTHER CITY APPROVED MATERIAL.
- UNIONS ARE REQUIRED ON THE RISERS.
- PRESSURE RELIEF VALVE SHALL BE INSTALLED PER PLUMBING CODE.
- LINE DOWNSTREAM OF METER AND PRIOR TO BACKFLOW SHALL BE POLYETHYLENE.

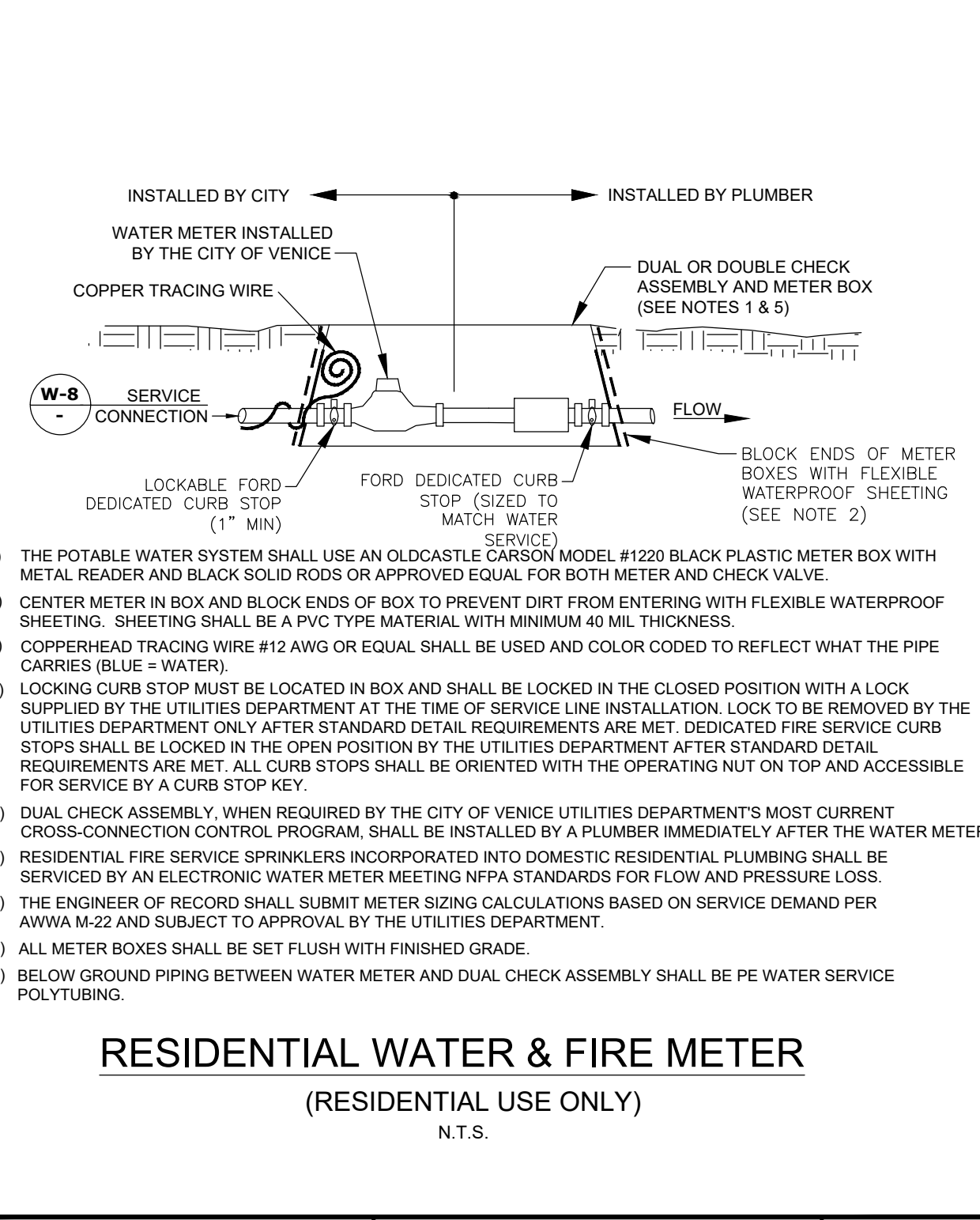
BACKFLOW PREVENTION ASSEMBLY
(RESIDENTIAL, NOT MASTER METERED)
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER FIRE HYDRANT ASSEMBLY	DATE MAY 2020 SHEET NO. W-2
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CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER AUTOMATIC FLUSHING DEVICE	DATE MAY 2020 SHEET NO. W-3
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CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER WATER & REUSE METER & BACKFLOW	DATE MAY 2020 SHEET NO. W-4
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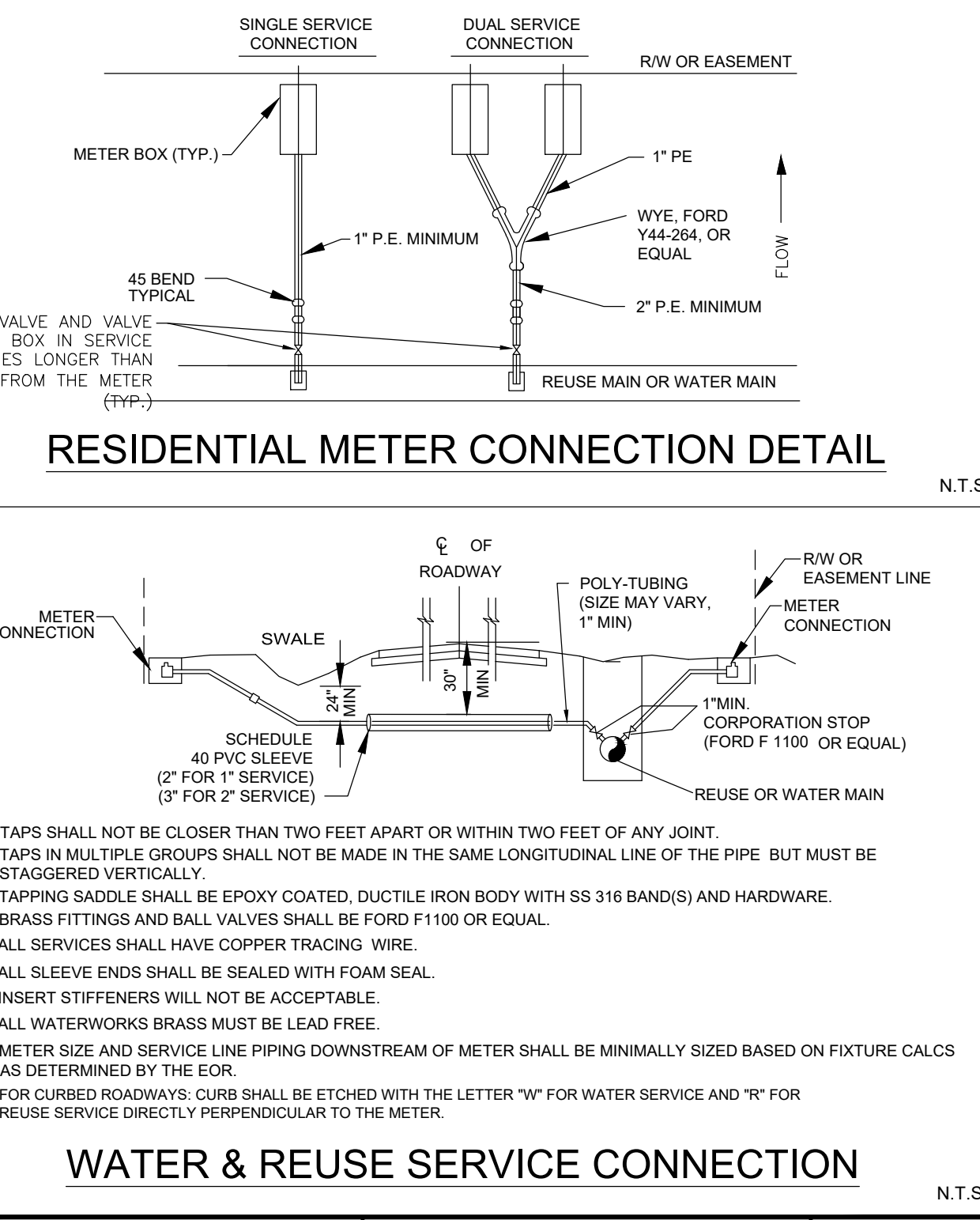
CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER BACKFLOW ASSEMBLY (NO MASTER METER)	DATE MAY 2020 SHEET NO. W-5
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- THE POTABLE WATER SYSTEM SHALL USE AN OLDCASTLE CARBON MODEL #1220 BLACK PLASTIC METER BOX WITH METAL READER AND BLACK SOLID RODS OR APPROVED EQUAL FOR BOTH METER AND CHECK VALVE.
- CENTER METER IN BOX AND BLOCK ENDS OF BOX TO PREVENT DIRT FROM ENTERING WITH FLEXIBLE WATERPROOF SHEETING. SHEETING SHALL BE A PVC TYPE MATERIAL WITH MINIMUM 40 MIL THICKNESS.
- COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED AND COLOR CODED TO REFLECT WHAT THE PIPE CARRIES (BLUE = WATER).
- LOCKING CURB STOP MUST BE LOCATED IN BOX AND SHALL BE LOCKED IN THE CLOSED POSITION WITH A LOCK SUPPLIED BY THE UTILITIES DEPARTMENT AT THE TIME OF SERVICE LINE INSTALLATION. LOCK TO BE REMOVED BY THE UTILITIES DEPARTMENT ONLY AFTER STANDARD DETAIL REQUIREMENTS ARE MET. DEDICATED FIRE SERVICE CURB STOPS SHALL BE LOCKED IN THE OPEN POSITION BY THE UTILITIES DEPARTMENT AFTER STANDARD DETAIL REQUIREMENTS ARE MET. ALL CURB STOPS SHALL BE ORIENTED WITH THE OPERATING NUT ON TOP AND ACCESSIBLE FOR SERVICE BY A CURB STOP KEY.
- DUAL CHECK ASSEMBLY, WHEN REQUIRED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM, SHALL BE INSTALLED BY A PLUMBER IMMEDIATELY AFTER THE WATER METER.
- RESIDENTIAL FIRE SERVICE SPRINKLERS INCORPORATED INTO DOMESTIC RESIDENTIAL PLUMBING SHALL BE SERVICED BY AN ELECTRONIC WATER METER MEETING NFPA STANDARDS FOR FLOW AND PRESSURE LOSS.
- THE ENGINEER OF RECORD SHALL SUBMIT METER SIZING CALCULATIONS BASED ON SERVICE DEMAND PER AWWA M-22 AND SUBJECT TO APPROVAL BY THE UTILITIES DEPARTMENT.
- ALL METER BOXES SHALL BE SET FLUSH WITH FINISHED GRADE.
- BELOW GROUND PIPING BETWEEN WATER METER AND DUAL CHECK ASSEMBLY SHALL BE PE WATER SERVICE POLYTUBING.

RESIDENTIAL WATER & FIRE METER
(RESIDENTIAL USE ONLY)
N.T.S.

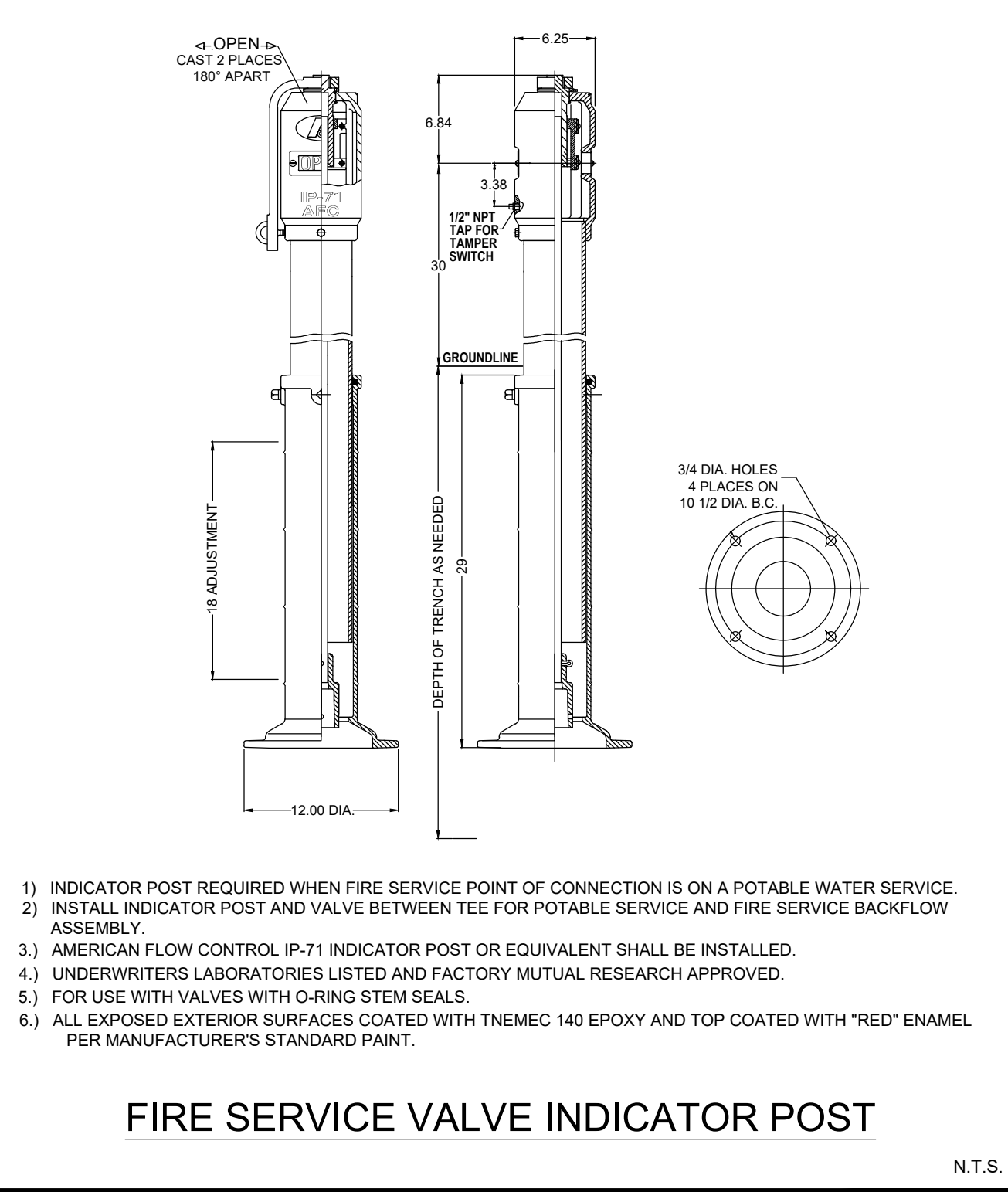
CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER RESIDENTIAL WATER & FIRE METER	DATE MAY 2020 SHEET NO. W-6
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- TAPS SHALL NOT BE CLOSER THAN TWO FEET APART OR WITHIN TWO FEET OF ANY JOINT.
- TAPS IN MULTIPLE GROUPS SHALL NOT BE MADE IN THE SAME LONGITUDINAL LINE OF THE PIPE BUT MUST BE STAGGERED VERTICALLY.
- TAPPING SADDLE SHALL BE EPOXY COATED, DUCTILE IRON BODY WITH SS 316 BAND(S) AND HARDWARE.
- BRASS FITTINGS AND BALL VALVES SHALL BE FORD F1100 OR EQUAL.
- ALL SERVICES SHALL HAVE COPPER TRACING WIRE.
- ALL SLEEVE ENDS SHALL BE SEALED WITH FOAM SEAL.
- INSERT STIFFENERS WILL NOT BE ACCEPTABLE.
- ALL WATERWORKS BRASS MUST BE LEAD FREE.
- METER SIZE AND SERVICE LINE PIPING DOWNSTREAM OF METER SHALL BE MINIMALLY SIZED BASED ON FIXTURE CALCS AS DETERMINED BY THE EOR.
- FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "W" FOR WATER SERVICE AND "R" FOR REUSE SERVICE DIRECTLY PERPENDICULAR TO THE METER.

WATER & REUSE SERVICE CONNECTION
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER RESIDENTIAL METER & SERVICE CONNECTION	DATE MAY 2020 SHEET NO. W-8
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- INDICATOR POST REQUIRED WHEN FIRE SERVICE POINT OF CONNECTION IS ON A POTABLE WATER SERVICE.
- INSTALL INDICATOR POST AND VALVE BETWEEN TEE FOR POTABLE SERVICE AND FIRE SERVICE BACKFLOW ASSEMBLY.
- AMERICAN FLOW CONTROL IP-71 INDICATOR POST OR EQUIVALENT SHALL BE INSTALLED.
- UNDERWRITERS LABORATORIES LISTED AND FACTORY MUTUAL RESEARCH APPROVED.
- FOR USE WITH VALVES WITH O-RING STEM SEALS.
- ALL EXPOSED EXTERIOR SURFACES COATED WITH TNEMC 140 EPOXY AND TOP COATED WITH "RED" ENAMEL PER MANUFACTURER'S STANDARD PAINT.

FIRE SERVICE VALVE INDICATOR POST
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	UTILITIES - WATER FIRE SERVICE INDICATOR POST	DATE MAY 2020 SHEET NO. W-10
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REV. NO.	REV. DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
16	05/10/22	CHANGES PER CONTRACTOR RFI				CD
4	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS				CD
3	09/02/21	CHANGES PER SWFMD COMMENTS AND CONTRACTOR RFIs				CD

CALL BEFORE YOU DIG!
"SUNSHINE STATE ONE-CALL CENTER"
1-800-432-4770
THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.

ISSUE DATE: 04-30-21
ISSUE DESCRIPTION: RECORD DRAWINGS

ENGINEERING, LLC.
Civil Engineering | Land Surveying
8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengll.com
CA #33105 | LB #4334

CLIENT: BORDER ROAD INVESTMENTS, LLC	HORIZONTAL SCALE: N/A	PROJECT ENGINEER:
PROJECT: VISTERA OF VENICE	VERTICAL SCALE: N/A	
DATE: RECORD	VERTICAL DATUM: NGVD 1929	
CITY OF VENICE UTILITY DETAILS	PROJECT NUMBER: NEAL0016	
	SHEET NUMBER: 88	

BOBBY R. CLAYBROOKE, P.E.
DATE: 05/10/22
FLORIDA P.E. NO. 90804