

VISTERA - PHASE 1- SEGMENT 2 PARTIAL RECORD DRAWING FOR WATER AND REUSE AT: VISTERA OF VENICE

ISSUED: 08/19/22

TOTAL SITE IS A 391 LOT RESIDENTIAL SUBDIVISION W/PRIVATE ROADS
WITHIN A PLANNED UNIT DEVELOPMENT DISTRICT (GCCF PUD)
SECTION 34, TOWNSHIP 38 SOUTH, RANGE 19 EAST

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95	LAUREL ROAD TURN LANE SIGNING AND MARKING PLAN



DEVELOPER:
NEAL COMMUNITIES, INC.
5800 LAKEWOOD RANCH BOULEVARD
SARASOTA, FL 34240
(941) 328-1111

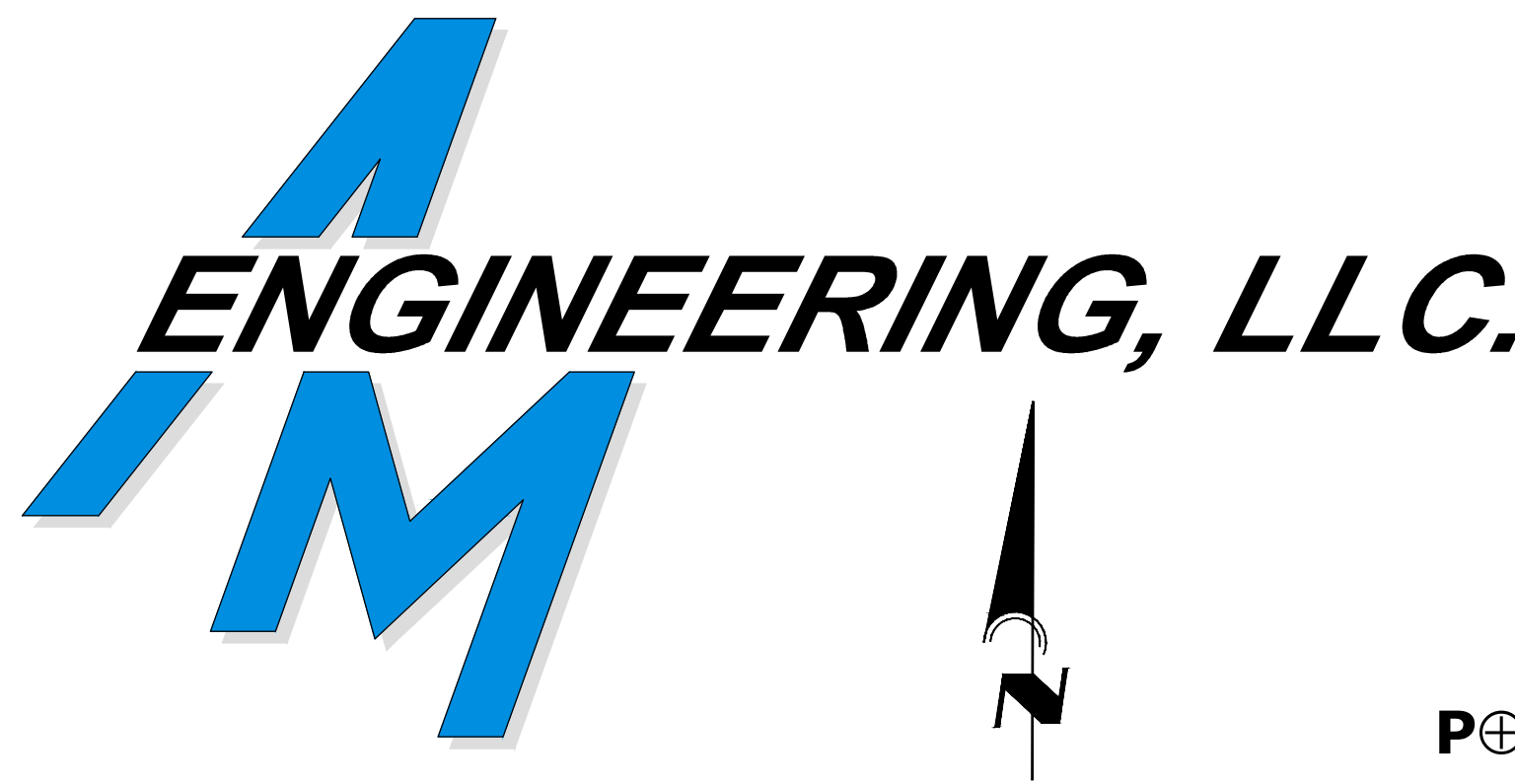
ENGINEER:
AM ENGINEERING, LLC.
8340 CONSUMER COURT
SARASOTA, FLORIDA 34240
(941) 377-9178
CERTIFICATE OF AUTHORIZATION No. 33105
LICENSED BUSINESS No. 4334

SURVEYOR:
ARDURRA, INC.
4921 MEMORIAL HIGHWAY,
ONE MEMORIAL CENTER, SUITE #300
TAMPA, FL 33634
(813) 880-8881
ENGINEERING LICENSE No. 2610

LANDSCAPE ARCHITECT:
BOOTH DESIGN GROUP
146 SECOND STREET NORTH, SUITE #302
ST. PETERSBURG, FL 33701
(727) 821-5699
LICENSE No. LA-6666713

SUPPLEMENTAL LIFT STATION DETAILS BY CAROLLO MOTOR & UTILITY SERVICES:

18G01	COVER SHEET
18E01	DEVELOPER LS - LIFT STATION CONTROL PANEL RACK
18E02	DEVELOPER LS - LIFT STATION RISER DIAGRAM-1
18E03	DEVELOPER LS - LIFT STATION RISER DIAGRAM-2
18GN01	DEVELOPER LS - SYMBOLS AND ABBREVIATIONS - I
18GN02	DEVELOPER LS - SYMBOLS AND ABBREVIATIONS - II
18GN03	DEVELOPER LS - SYMBOLS AND ABBREVIATIONS - III
18GN04	DEVELOPER LS - SYMBOLS AND ABBREVIATIONS - IV
18GB05	DEVELOPER LS - SCHEMATIC SYMBOLS
18N01	DEVELOPER LS - DUPLEX PUMP CONTROL PANEL EXTERNAL ELEVATION
18N02	DEVELOPER LS - DUPLEX PUMP CONTROL PANEL FOR THREE PHASE AND 240V SYSTEMS
	INTERNAL ELEVATION
18N03	DEVELOPER LS - DUPLEX PUMP CONTROL PANEL SINGLE PHASE AND 480V SYSTEMS
	INTERNAL ELEVATION
18N04	DEVELOPER LS - CONTROL SCHEMATIC - 480V THREE PHASE DUPLEX
18N05	DEVELOPER LS - THREE PHASE PUMP STATION



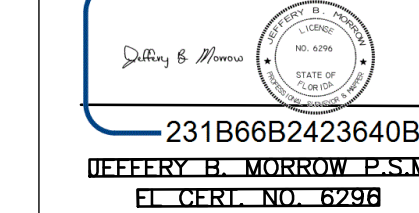
POINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
8111 Blakie Court, Suite E
Sarasota, FL 34240
Phone: (941) 378-4797
Fax: (941) 378-0068

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: 01-24-23

POINT BREAK SURVEYING, LLC
8111 BLAKIE COURT, SUITE E
SARASOTA, FLORIDA 34240
PHONE: (941) 378-4797
FAX: (941) 378-0068

DocuSigned by:



231B66B2423640B...
JEFFERY H. MORROW P.E.
FL CERT. NO. 6298

SARASOTA COUNTY NOTES:

THE ENGINEER OR SURVEYOR, WITH INFORMATION PROVIDED BY THE CONTRACTOR, SHALL PROVIDE RECORD DRAWINGS THAT MEET THE REQUIREMENTS OF THE SARASOTA COUNTY UNIFORM WATER, WASTEWATER AND RECLAIMED WATER CODE, LATEST EDITION.

SARASOTA COUNTY UTILITY DEPARTMENT IS THE UTILITY PROVIDER FOR SANITARY SEWER AND FORCE MAIN FOR PHASE 1 1001 SARASOTA CENTER BLVD, SARASOTA, FL 34240

FORTUITOUS FINDS STATEMENT:

THE FOLLOWING REQUIREMENTS APPLY TO ALL BUILDING CONSTRUCTION OR ALTERATION, OR LAND ALTERATION ACTIVITIES IN ACCORDANCE WITH CHAPTER 66 OF THE SARASOTA COUNTY CODE OF ORDINANCES AND WITH THE HISTORIC PRESERVATION CHAPTER OF SARASOTA COUNTY COMPREHENSIVE PLAN:

A. IF EVIDENCE OF THE EXISTENCE OF CULTURAL RESOURCES IS DISCOVERED OR OBSERVED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES AFTER FINAL APPROVAL, ALL WORK SHALL CEASE IN THE AREA OF EFFECT AS DETERMINED BY THE DIRECTOR, THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF SHALL NOTIFY THE DIRECTOR OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. EXAMPLES OF SUCH EVIDENCE INCLUDE WHOLE OR FRAGMENTARY STONE TOOLS, SHELL TOOLS, ABORIGINAL OR HISTORIC POTTERY, HISTORIC GLASS, HISTORIC BOTTLES, BONE TOOLS, HISTORIC BUILDING FOUNDATIONS, SHELL MOUNDS, SHELL MIDDENS, OR SAND MOUNDS. THE DIRECTOR SHALL ASSESS THE SIGNIFICANCE OF THE FINDS WITHIN THREE WORKING DAYS OF NOTIFICATION AND TO MITIGATE ANY ADVERSE EFFECTS SO AS TO MINIMIZE DELAYS TO DEVELOPMENT ACTIVITIES.

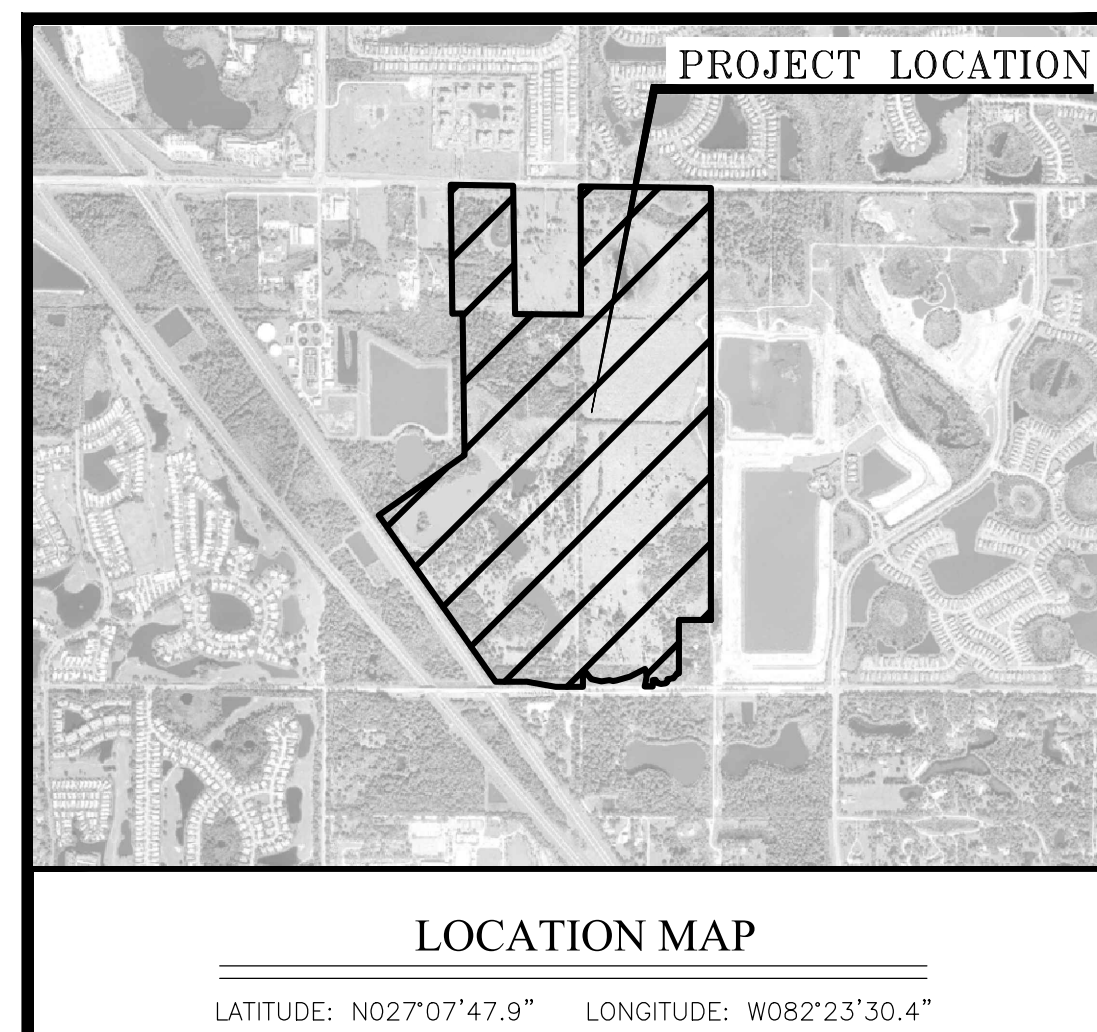
B. IF ANY HUMAN SKELETAL REMAINS OR ASSOCIATED BURIAL ARTIFACTS ARE DISCOVERED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES, ALL WORK IN THAT PARTICULAR AREA MUST CEASE, AND THE PERMITTEE MUST IMMEDIATELY NOTIFY THE NEAREST LAW ENFORCEMENT OFFICE AND NOTIFY THE DIRECTOR OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS, ACCORDING TO CHAPTER 872, FLORIDA STATUTES, IT IS UNLAWFUL TO DISTURB, VANDALIZE, OR DAMAGE A HUMAN BURIAL.

VERTICAL DATUM: CONTOURS AND ELEVATIONS SHOWN ARE IN NGVD 1929 DATUM.
1. TOPOGRAPHIC SURVEY ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND WERE CONVERTED TO NGVD 1929 DATUM FOR CONSISTENCY WITH THE DATUM USED IN THE ICRP DRAINAGE MODEL.

2. CONTROL MONUMENT ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) BENCHMARK "N 699" (PID DL2714), A FOUND ALUMINUM DISK STAMPED (N 699-2007), HAVING A PUBLISHED ELEVATION OF 13.37' NAVD 1988 (14.45'-NOV 1929) AND NATIONAL GEODETIC SURVEY (NGS) BENCHMARK "E 727" (PID DM5040), A FOUND ALUMINUM DISK STAMPED (E 727 2009), HAVING A PUBLISHED ELEVATION OF 14.20' NAVD 1988 (15.31'-NOV 1929)

3. CONVERSION FROM NAVD 1988 TO NGVD 1929 USING VERTCON (http://www.ngs.noaa.gov/cgi-bin/vertcon/vert_con.pl), BASED ON LATITUDE: 27°07'47.9"N, AND LONGITUDE: 82°23'30.4"W, RESULTS IN A VERTICAL SHIFT OF +1.15 FT.

REVISIONS		
BY	DATE	DESCRIPTION
CD	05/13/21	CHANGES PER BIDDER RFIs
CD	06/07/21	CHANGES PER BIDDER RFIs
CD	09/16/21	CHANGES PER SWFWMD COMMENTS AND CONTRACTOR RFIs
CD	10/21/21	CHANGES PER COUNTY AND CITY COMMENTS
CD	11/12/21	CHANGES PER SWFWMD COMMENTS
CD	11/22/21	CHANGES PER CITY COMMENTS
CD	12/07/21	CHANGES PER COUNTY UTILITY COMMENTS
CD	12/20/21	CHANGES PER SWFWMD COMMENTS
CD	12/22/21	CHANGES PER COV COMMENTS
CD	01/18/22	ADDED TURN LANE DRAWINGS
CD	01/27/22	CHANGES PER COV COMMENTS
CD	02/09/22	CHANGES PER COUNTY UTILITY COMMENTS
CD	03/07/22	CHANGES PER FPL
CD	04/01/22	CHANGES PER CONTRACTOR RFI
CD	04/15/22	CHANGES PER FDEP COMMENTS
CD	05/10/22	CHANGES PER CONTRACTOR RFI
CD	06/03/22	CHANGES PER CONTRACTOR RFI
CD	07/29/22	MODIFY WALL AT WEEKLEY LOTS
BRC	08/03/22	ADD WATER AND REUSE SERVICES FOR NE OUTPARCEL
CD	08/22/22	CHANGES PER CONTRACTOR RFI
BRC	09/15/22	CHANGES PER CONTRACTOR RFI
JC	01/26/23	PARTIAL RECORD DRAWING

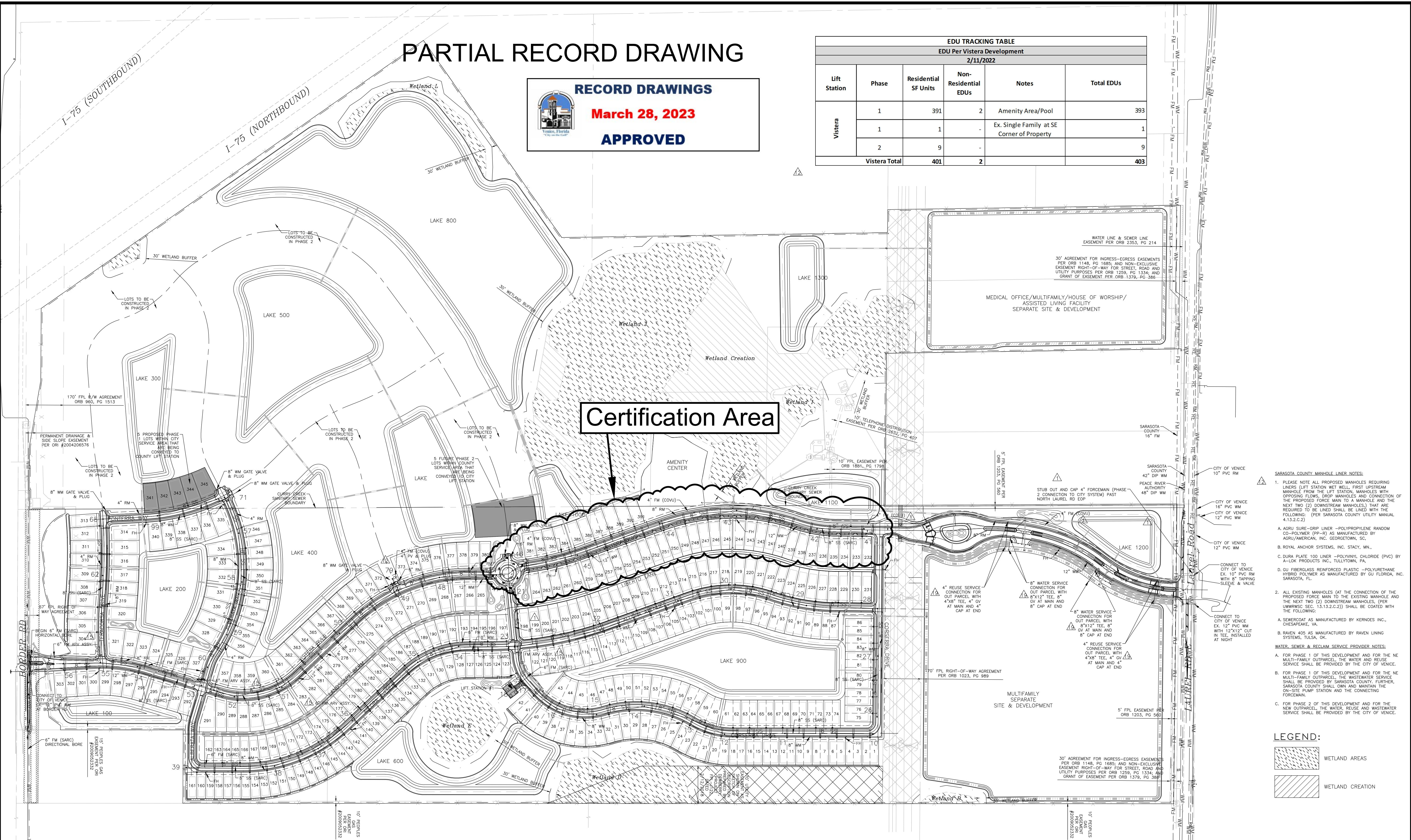


PARTIAL RECORD DRAWING

RECORD DRAWINGS
March 28, 2023
APPROVED

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

Certification Area



- SARASOTA COUNTY MANHOLE LINER 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.

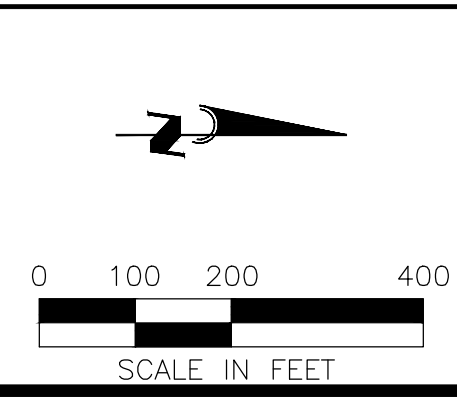
ISSUE DATE: 08/19/22

CONSTRUCTION PLANS

AM ENGINEERING, LLC.

Civil Engineering | Land Surveying

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



BORDER ROAD INVESTMENTS, LLC

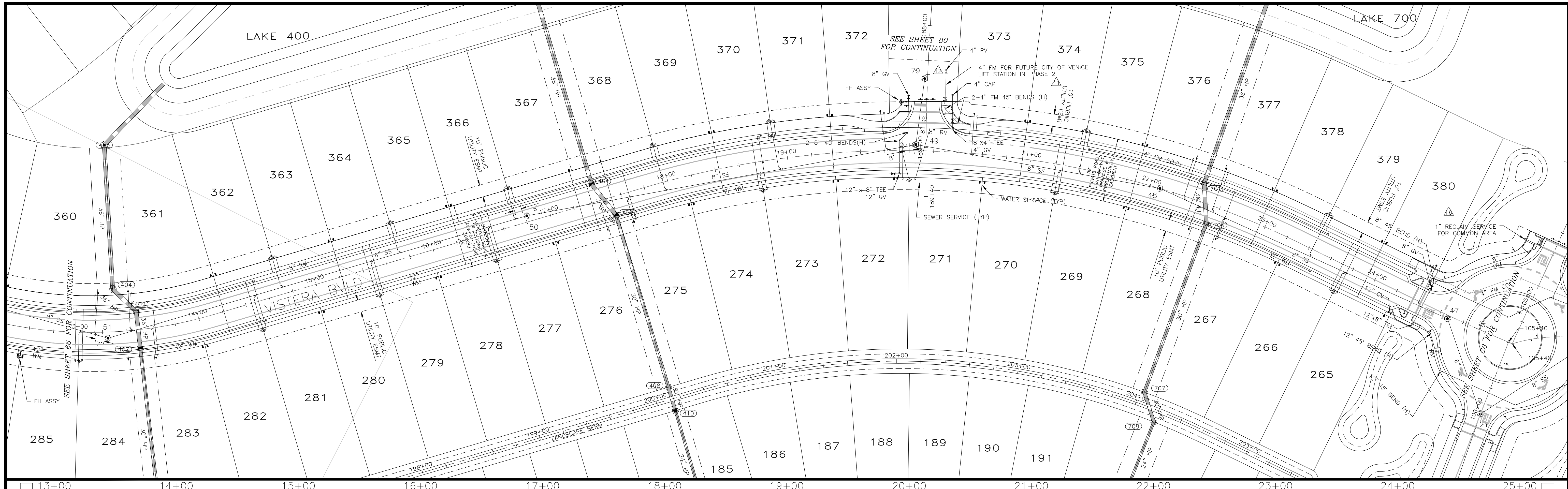
VISTERRA OF VENICE

MASTER UTILITY PLAN

DATE: 6/24

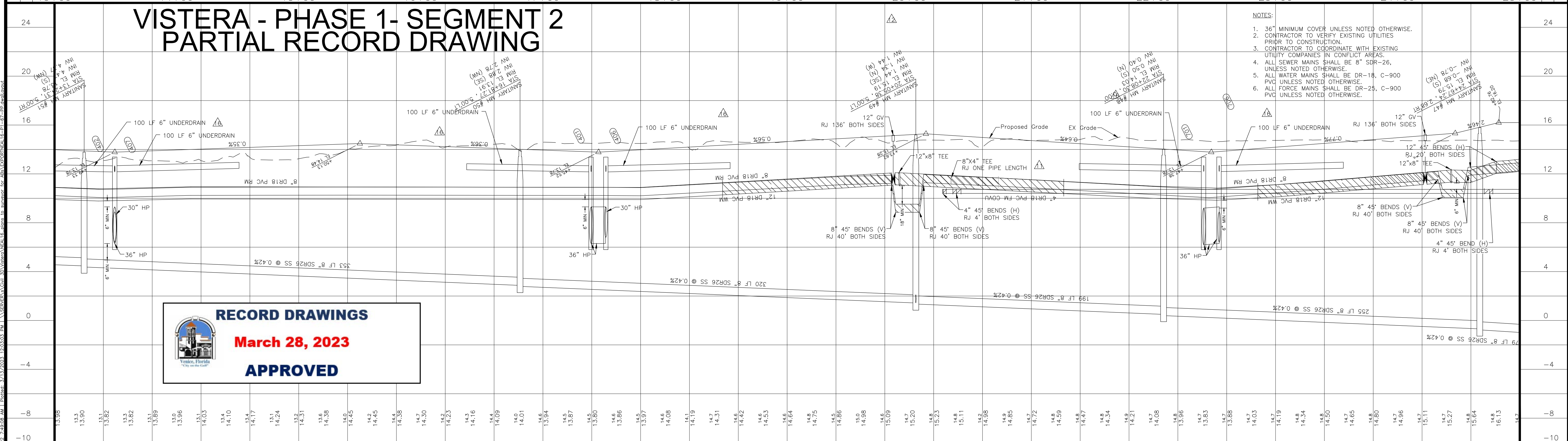
PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, P.E.
 FLORIDA P.E. NO. 90804

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



VISTERA - PHASE 1- SEGMENT 2 PARTIAL RECORD DRAWING

- 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.

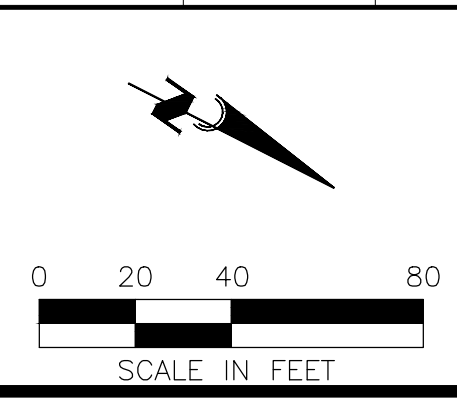


RECORD DRAWINGS
March 28, 2023
APPROVED

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 SWFMD COMMENTS AND CONTRACTOR RFIs	CD

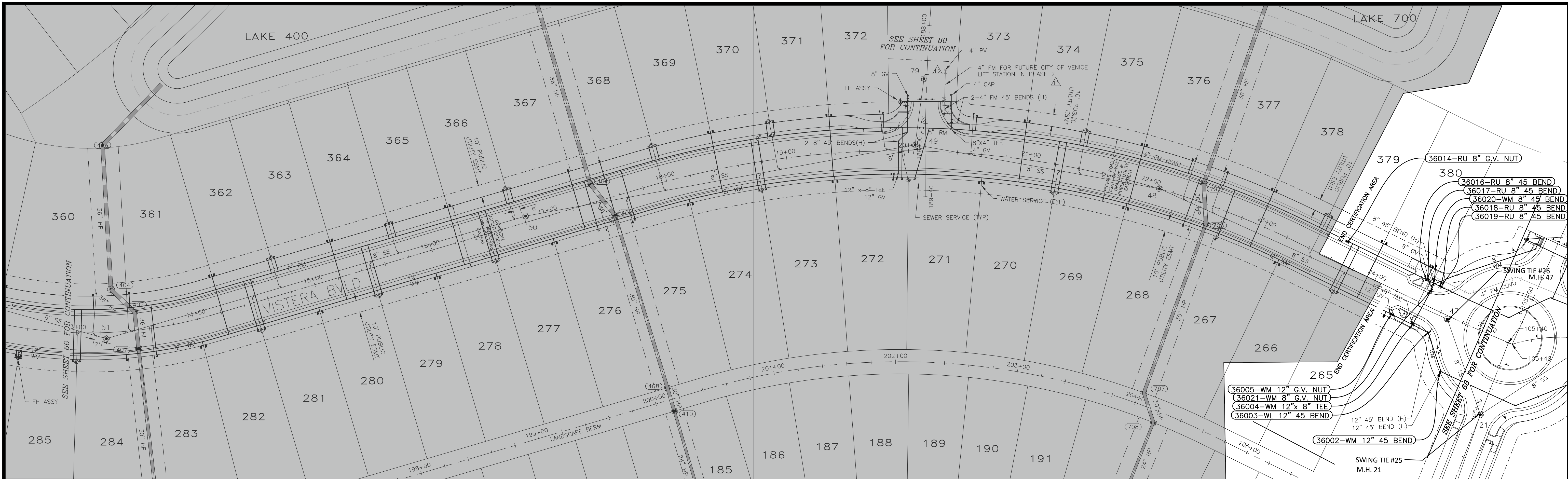
CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
 ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: CONSTRUCTION PLANS

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



BORDER ROAD INVESTMENTS, LLC
 VISTERA OF VENICE
 PLAN 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: 09/08/24
 FLORIDA P.E. NO. 90804



VISTERA - PHASE 1- SEGMENT 2 PARTIAL RECORD DRAWING

RECORD DRAWINGS
March 28, 2023
APPROVED

SWING TIE INFORMATION - SERVICES

Lot Number	Description	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	Elevation
380	REUSE METER BOX	SWING TIE 25 - SAN M.H. 21	127.4	SWING TIE 26 - SAN M.H. 47	46.3	15.6

SWING TIE INFORMATION - REUSE MAIN

Point Number	Description	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	Elevation
36014	RU 8" G.V. NUT	SWING TIE 25 - SAN M.H. 21	177.3	SWING TIE 26 - SAN M.H. 47	104.1	13.8
36016	RU 8" 45° BEND	SWING TIE 25 - SAN M.H. 21	117.8	SWING TIE 26 - SAN M.H. 47	37.0	11.8
36017	RU 8" 45° BEND	SWING TIE 25 - SAN M.H. 21	117.6	SWING TIE 26 - SAN M.H. 47	36.7	9.8
36018	RU 8" 45° BEND	SWING TIE 25 - SAN M.H. 21	109.1	SWING TIE 26 - SAN M.H. 47	28.0	9.7
36019	RU 8" 45° BEND	SWING TIE 25 - SAN M.H. 21	108.9	SWING TIE 26 - SAN M.H. 47	27.9	12.0

SWING TIE INFORMATION - WATER MAIN

Point Number	Description	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	Elevation
36002	WM 12" 45° BEND	SWING TIE 25 - SAN M.H. 21	46.7	SWING TIE 26 - SAN M.H. 47	43.0	12.2
36003	WM 12" 45° BEND	SWING TIE 25 - SAN M.H. 21	78.6	SWING TIE 26 - SAN M.H. 47	19.4	11.5
36004	WM 12"x 8" TEE	SWING TIE 25 - SAN M.H. 21	91.0	SWING TIE 26 - SAN M.H. 47	29.1	11.5
36005	WM 12" G.V. NUT	SWING TIE 25 - SAN M.H. 21	108.5	SWING TIE 26 - SAN M.H. 47	46.2	12.7
36020	WM 8" 45° BEND	SWING TIE 25 - SAN M.H. 21	112.7	SWING TIE 26 - SAN M.H. 47	31.6	11.6
36021	WM 8" G.V. NUT	SWING TIE 25 - SAN M.H. 21	108.7	SWING TIE 26 - SAN M.H. 47	27.9	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

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 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: 01-24-23
 PRINTED COPIES OF THIS DOCUMENT ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ELECTRONIC COPIES OF THIS DOCUMENT ARE ONLY VALID IF THE DIGITAL CERTIFICATION AND DATED BY VERIFIED.

DocuSigned by:

 231B66B2423640B...
 JEFFERY B. MORROW P.S.M
 FL CERT. NO. 6296

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
17	01/26/23	RECORD DRAWINGS	JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
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 ISSUE DATE: 04-30-21
 CD
 CONSTRUCTION PLANS

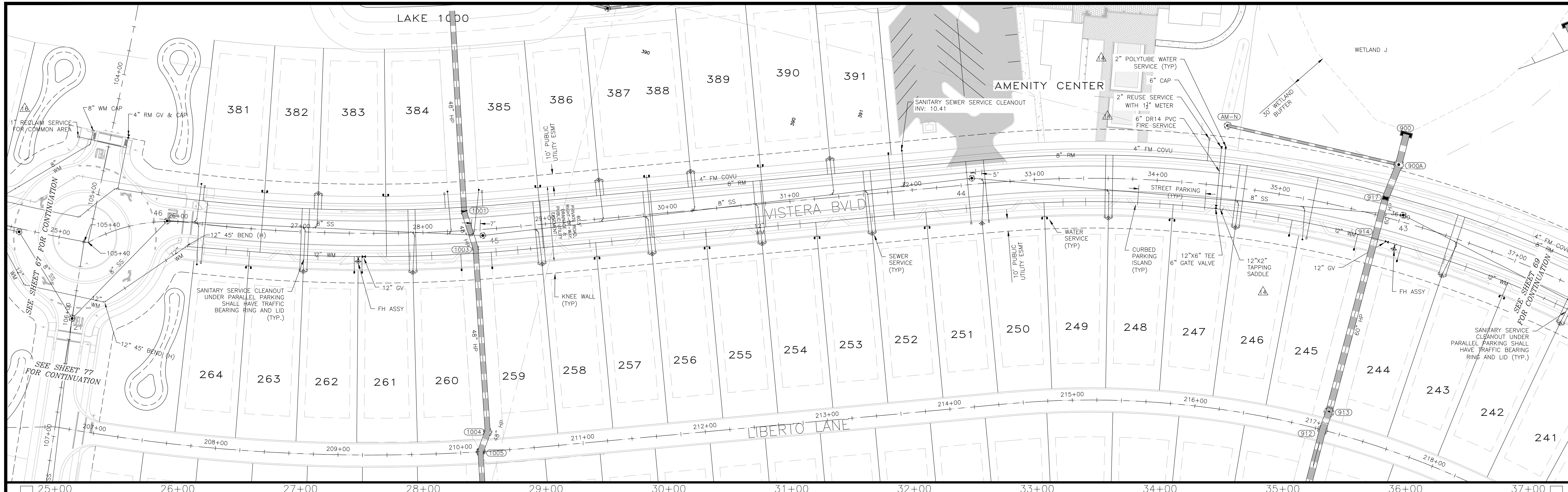
ENGINEERING, LLC.
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 CA #33105 | LB #4334

North Arrow
 0 20 40 80
 SCALE IN FEET

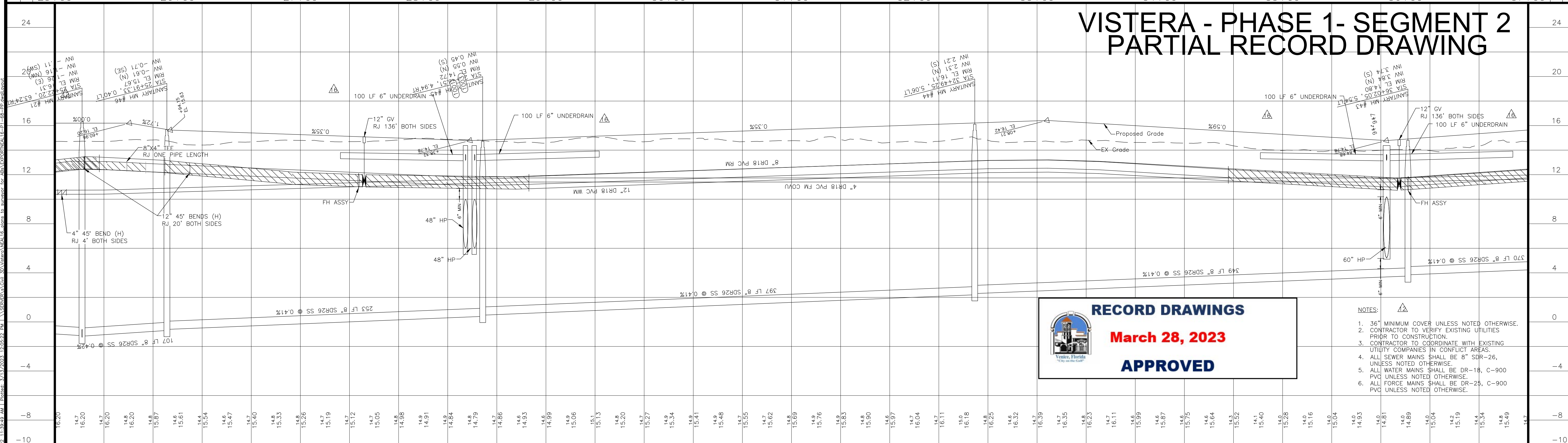
CLIENT: BORDER ROAD INVESTMENTS, LLC
 PROJECT: VISTERA OF VENICE
 RECORD PLAN AND PROFILE
 VISTERA BOULEVARD
 STA 13+00 TO STA 25+00

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

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



VISTERA - PHASE 1- SEGMENT 2 PARTIAL RECORD DRAWING



RECORD DRAWINGS
March 28, 2023
APPROVED

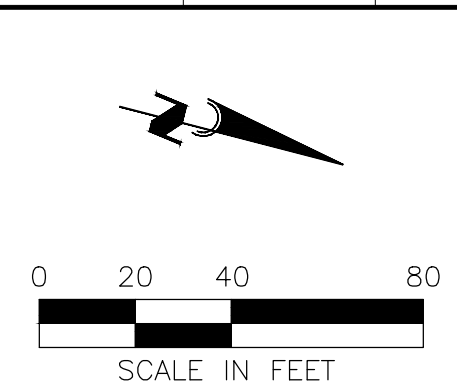
- NOTES:**
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 - CONTRACTOR TO COORDINATE WITH EXISTING UTILITY COMPANIES IN CONFLICT AREAS.
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ISSUE DATE: 04-30-21
 ISSUE DESCRIPTION: CONSTRUCTION PLANS

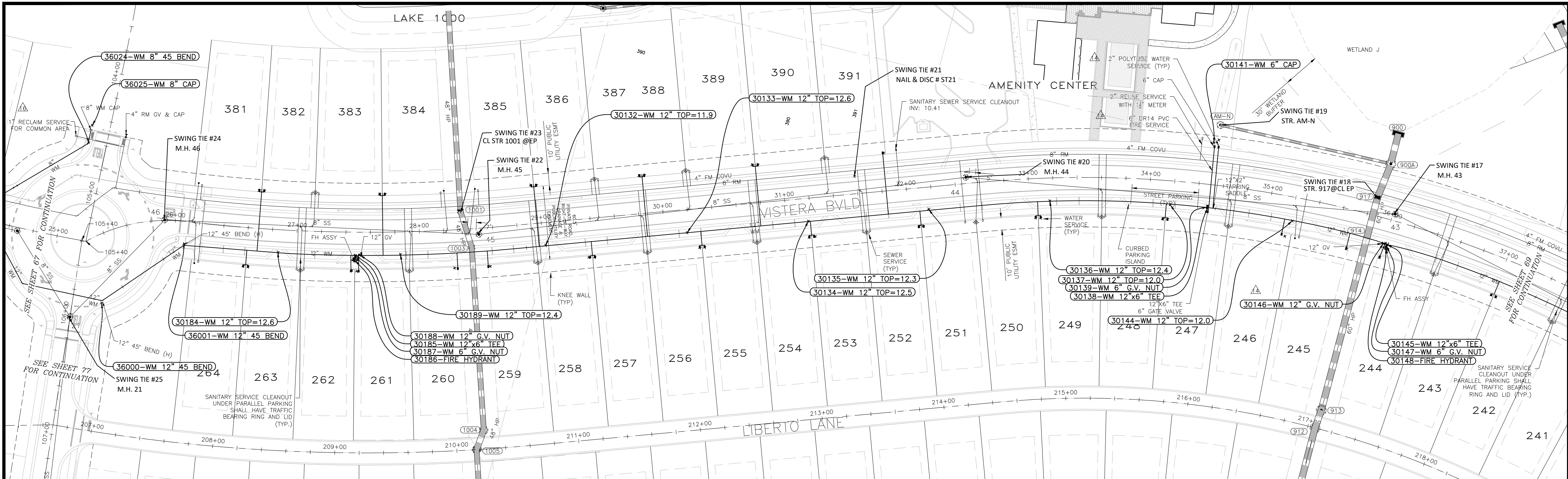
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BORDER ROAD INVESTMENTS, LLC
 VISTERA OF VENICE
 PLAN AND PROFILE
 VISTERA BOULEVARD
 STA 25+00 TO STA 37+00

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 68

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, P.E.
 DATE: 04/30/21
 FLORIDA P.E. No. 90804



SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	ELEVATION
30132	WM 12" TOP=11.9	SWING TIE 22 - SAN M.H. 45	56.0	SWING TIE 23 - CL STR 1001 @EP	74.7	11.9
30133	WM 12" TOP=12.6	SWING TIE 21 - NAIL & DISC #ST21	144.4	SWING TIE 22 - SAN M.H. 45	170.9	12.6
30134	WM 12" TOP=12.5	SWING TIE 20 - SAN M.H. 44	134.4	SWING TIE 21 - NAIL & DISC #ST21	52.6	12.5
30135	WM 12" TOP=12.3	SWING TIE 20 - SAN M.H. 44	40.7	SWING TIE 21 - NAIL & DISC #ST21	66.4	12.3
30136	WM 12" TOP=12.4	SWING TIE 19 - CL STR. AC-N	153.3	SWING TIE 20 - SAN M.H. 44	70.8	12.4
30137	WM 12" TOP=12.0	SWING TIE 18 - CL STR. 917 @EP	169.8	SWING TIE 19 - CL STR. AC-N	77.4	12.0
30138	WM 12"x6" TEE	SWING TIE 18 - CL STR. 917 @EP	139.5	SWING TIE 19 - CL STR. AC-N	68.7	12.1
30139	WM 6" G.V. NUT	SWING TIE 18 - CL STR. 917 @EP	139.6	SWING TIE 19 - CL STR. AC-N	67.9	12.6
30141	WM 6" CAP	SWING TIE 18 - CL STR. 917 @EP	141.7	SWING TIE 19 - CL STR. AC-N	15.7	12.6
30144	WM 12" TOP=12.0	SWING TIE 18 - CL STR. 917 @EP	72.3	SWING TIE 19 - CL STR. AC-N	97.6	12.0
30145	WM 12"x6" TEE	SWING TIE 17 - SAN M.H. 43	26.3	SWING TIE 18 - CL STR. 917 @EP	38.2	11.9
30146	WM 12" GV NUT	SWING TIE 17 - SAN M.H. 43	26.3	SWING TIE 18 - CL STR. 917 @EP	36.8	13.7
30147	WM 6" G.V. NUT	SWING TIE 17 - SAN M.H. 43	27.8	SWING TIE 18 - CL STR. 917 @EP	39.5	12.7
30148	FIRE HYDRANT	SWING TIE 17 - SAN M.H. 43	29.6	SWING TIE 18 - CL STR. 917 @EP	41.2	17.5
30184	WM 12" TOP=12.6	SWING TIE 22 - SAN M.H. 45	164.5	SWING TIE 23 - CL STR 1001 @EP	152.8	12.6
30185	WM 12"x6" TEE	SWING TIE 22 - SAN M.H. 45	102.2	SWING TIE 23 - CL STR 1001 @EP	92.9	12.3
30186	FIRE HYDRANT	SWING TIE 22 - SAN M.H. 45	103.3	SWING TIE 23 - CL STR 1001 @EP	94.8	18.0
30187	WM 6" G.V. NUT	SWING TIE 22 - SAN M.H. 45	102.3	SWING TIE 23 - CL STR 1001 @EP	93.2	13.2
30188	WM 12" G.V. NUT	SWING TIE 22 - SAN M.H. 45	98.1	SWING TIE 23 - CL STR 1001 @EP	89.1	14.0
30189	WM 12" TOP=12.4	SWING TIE 22 - SAN M.H. 45	66.0	SWING TIE 23 - CL STR 1001 @EP	59.9	12.4
36000	WM 12" 45 BEND	SWING TIE 24 - SAN M.H. 46	85.1	SWING TIE 25 - SAN M.H. 21	29.3	12.2
36001	WM 12" 45 BEND	SWING TIE 24 - SAN M.H. 46	25.3	SWING TIE 25 - SAN M.H. 21	111.7	12.5
36024	WM 8" 45 BEND	SWING TIE 24 - SAN M.H. 46	88.5	SWING TIE 25 - SAN M.H. 21	143.5	11.5
36025	WM 8" CAP	SWING TIE 24 - SAN M.H. 46	97.3	SWING TIE 25 - SAN M.H. 21	157.8	11.5

SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE
AMENITY	WATER METER BOX	SWING TIE 18 - CL STR. 917 @EP	155.8	SWING TIE 19 - CL STR. AC-N	12.3
242	WATER METER BOX	SWING TIE 17 - SAN M.H. 43	107.4	SWING TIE 18 - CL STR. 917 @EP	125.5
243	WATER METER BOX	SWING TIE 17 - SAN M.H. 43	103.5	SWING TIE 18 - CL STR. 917 @EP	121.7
244	WATER METER BOX	SWING TIE 17 - SAN M.H. 43	38.4	SWING TIE 18 - CL STR. 917 @EP	48.3
245	WATER METER BOX	SWING TIE 17 - SAN M.H. 43	49.1	SWING TIE 18 - CL STR. 917 @EP	48.5
246	WATER METER BOX	SWING TIE 17 - SAN M.H. 43	82.1	SWING TIE 19 - CL STR. AC-N	104.8
247	WATER METER BOX	SWING TIE 19 - CL STR. AC-N	88.6	SWING TIE 20 - SAN M.H. 44	168.0
248	WATER METER BOX	SWING TIE 19 - CL STR. AC-N	90.4	SWING TIE 20 - SAN M.H. 44	164.3
249	WATER METER BOX	SWING TIE 19 - CL STR. AC-N	166.1	SWING TIE 20 - SAN M.H. 44	69.5
250	WATER METER BOX	SWING TIE 19 - CL STR. AC-N	169.8	SWING TIE 20 - SAN M.H. 44	65.8
251	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	53.7	SWING TIE 21 - NAIL & DISC #ST21	69.5
252	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	56.0	SWING TIE 21 - NAIL & DISC #ST21	66.9
253	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	133.0	SWING TIE 21 - NAIL & DISC #ST21	58.7
254	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	137.8	SWING TIE 21 - NAIL & DISC #ST21	62.2
255	WATER METER BOX	SWING TIE 21 - NAIL & DISC #ST21	135.6	SWING TIE 22 - SAN M.H. 45	185.7
256	WATER METER BOX	SWING TIE 21 - NAIL & DISC #ST21	139.3	SWING TIE 22 - SAN M.H. 45	181.8
257	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	97.4	SWING TIE 23 - CL STR 1001 @EP	115.8
258	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	92.7	SWING TIE 23 - CL STR 1001 @EP	111.3
259	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	28.8	SWING TIE 23 - CL STR 1001 @EP	50.3
260	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	34.4	SWING TIE 23 - CL STR 1001 @EP	45.7
261	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	97.4	SWING TIE 24 - SAN M.H. 46	163.0
262	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	100.6	SWING TIE 24 - SAN M.H. 46	158.9
263	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	179.4	SWING TIE 24 - SAN M.H. 46	78.5
264	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	183.0	SWING TIE 24 - SAN M.H. 46	74.8
381	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	165.6	SWING TIE 24 - SAN M.H. 46	81.2
382	WATER METER BOX	SWING TIE 23 - CL STR 1001 @EP	161.3	SWING TIE 24 - SAN M.H. 46	85.4
383	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	86.8	SWING TIE 23 - CL STR 1001 @EP	67.8
384	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	82.6	SWING TIE 23 - CL STR 1001 @EP	63.4
385	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	58.2	SWING TIE 23 - CL STR 1001 @EP	61.6
386	WATER METER BOX	SWING TIE 22 - SAN M.H. 45	61.8	SWING TIE 23 - CL STR 1001 @EP	66.0
387	WATER METER BOX	SWING TIE 21 - NAIL & DISC #ST21	176.3	SWING TIE 22 - SAN M.H. 45	139.6
388	WATER METER BOX	SWING TIE 21 - NAIL & DISC #ST21	172.1	SWING TIE 22 - SAN M.H. 45	143.7
389	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	175.6	SWING TIE 21 - NAIL & DISC #ST21	84.2
390	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	170.9	SWING TIE 21 - NAIL & DISC #ST21	79.5
391	WATER METER BOX	SWING TIE 20 - SAN M.H. 44	70.6	SWING TIE 21 - NAIL & DISC #ST21	30.5

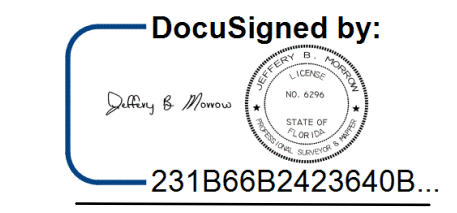
VISTERA - PHASE 1- SEGMENT 2
PARTIAL RECORD DRAWING

RECORD DRAWINGS
March 28, 2023
APPROVED

PINT BREAK SURVEYING, LLC

CERTIFICATE OF AUTHORIZATION LB 0007384
8111 Blairlie 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: 01-24-23
PRINTED COPIES OF THIS DOCUMENT ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ELECTRONIC COPIES OF THIS DOCUMENT ARE ONLY VALID IF THE DIGITAL CERTIFICATION AND DATED BY VERIFIED.



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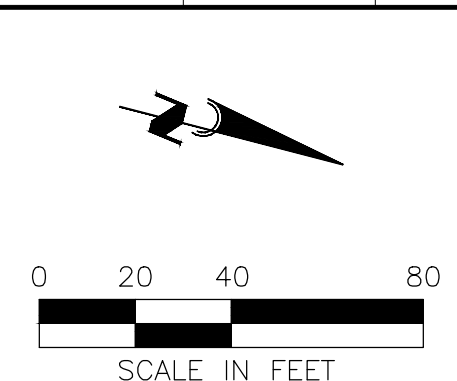
JEFFERY B. MORROW P.S.M
FL CERT. NO. 6296

NO.	DATE	REVISION DESCRIPTION	BY
17	01/26/23	RECORD DRAWINGS	JC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
14	04/01/22	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

NO.	DATE	REVISION DESCRIPTION	BY
1	04-30-21		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: CONSTRUCTION PLANS

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

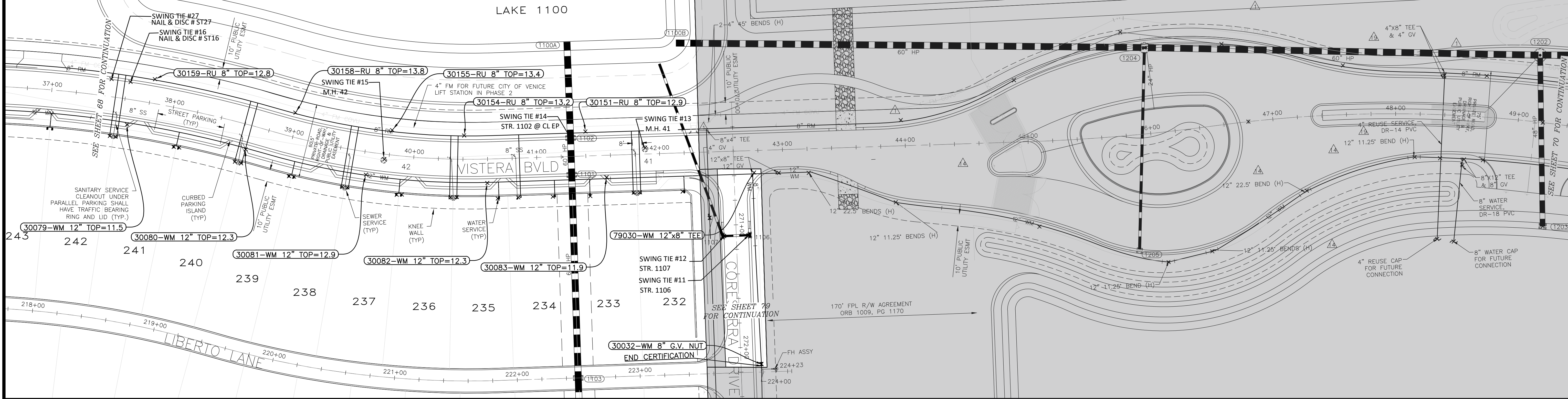


BORDER ROAD INVESTMENTS, LLC
VISTERA OF VENICE
RECORD PLAN AND PROFILE
VISTERA BOULEVARD
STA 25+00 TO STA 37+00

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
VERTICAL DATUM: NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 68A

PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, P.E.
DATE: 03/28/23
FLORIDA P.E. NO. 90804

VISTERA - PHASE 1- SEGMENT 2 PARTIAL RECORD DRAWING



SWING TIE INFORMATION - WATER SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE
232	WATER METER BOX	SWING TIE 13 - SAN M.H. 41	46.8	SWING TIE 14 - CL STR 1102 @ EP	99.7
233	WATER METER BOX	SWING TIE 13 - SAN M.H. 41	59.6	SWING TIE 14 - CL STR 1102 @ EP	48.6
234	WATER METER BOX	SWING TIE 13 - SAN M.H. 41	85.0	SWING TIE 14 - CL STR 1102 @ EP	49.0
235	WATER METER BOX	SWING TIE 14 - CL STR 1102 @ EP	77.0	SWING TIE 15 - SAN M.H. 42	97.7
236	WATER METER BOX	SWING TIE 14 - CL STR 1102 @ EP	145.3	SWING TIE 15 - SAN M.H. 42	32.2
237	WATER METER BOX	SWING TIE 14 - CL STR 1102 @ EP	149.4	SWING TIE 15 - SAN M.H. 42	30.7
238	WATER METER BOX	SWING TIE 15 - SAN M.H. 42	74.9	SWING TIE 16 - PK NAIL & DISC #ST16	153.7
239	WATER METER BOX	SWING TIE 15 - SAN M.H. 42	78.8	SWING TIE 16 - PK NAIL & DISC #ST16	150.0
240	WATER METER BOX	SWING TIE 15 - SAN M.H. 42	167.2	SWING TIE 16 - PK NAIL & DISC #ST16	66.5
241	WATER METER BOX	SWING TIE 15 - SAN M.H. 42	171.7	SWING TIE 16 - PK NAIL & DISC #ST16	63.4

SWING TIE INFORMATION - REUSE SERVICES

LOT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE
232	REUSE METER BOX	SWING TIE 13 - SAN M.H. 41	36.6	SWING TIE 14 - CL STR 1102 @ EP	70.3
233	REUSE METER BOX	SWING TIE 13 - SAN M.H. 41	37.7	SWING TIE 14 - CL STR 1102 @ EP	66.5
234	REUSE METER BOX	SWING TIE 14 - CL STR 1102 @ EP	64.2	SWING TIE 15 - SAN M.H. 42	113.2
235	REUSE METER BOX	SWING TIE 14 - CL STR 1102 @ EP	104.5	SWING TIE 15 - SAN M.H. 42	66.5
236	REUSE METER BOX	SWING TIE 14 - CL STR 1102 @ EP	109.2	SWING TIE 15 - SAN M.H. 42	62.2
237	REUSE METER BOX	SWING TIE 15 - SAN M.H. 42	37.9	SWING TIE 16 - PK NAIL & DISC #ST16	196.2
238	REUSE METER BOX	SWING TIE 15 - SAN M.H. 42	41.2	SWING TIE 16 - PK NAIL & DISC #ST16	192.1
239	REUSE METER BOX	SWING TIE 15 - SAN M.H. 42	116.6	SWING TIE 16 - PK NAIL & DISC #ST16	111.7
240	REUSE METER BOX	SWING TIE 15 - SAN M.H. 42	121.7	SWING TIE 16 - PK NAIL & DISC #ST16	106.8
241	REUSE METER BOX	SWING TIE 16 - PK NAIL & DISC #ST16	46.4	SWING TIE 17 - PK NAIL & DISC #ST27	47.2
242	REUSE METER BOX	SWING TIE 16 - PK NAIL & DISC #ST16	47.1	SWING TIE 17 - PK NAIL & DISC #ST27	46.3

SWING TIE INFORMATION - WATER MAIN

POINT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	ELEVATION
30083	WM 12" TOP=11.9	SWING TIE 13 - SAN M.H. 41	39.5	SWING TIE 14 - CL STR 1102 @ EP	42.0	11.9
30081	WM 12" TOP=12.9	SWING TIE 14 - CL STR 1102 @ EP	169.7	SWING TIE 15 - SAN M.H. 42	19.6	12.9
30082	WM 12" TOP=12.3	SWING TIE 14 - CL STR 1102 @ EP	77.2	SWING TIE 15 - SAN M.H. 42	86.0	12.3
30080	WM 12" TOP=12.3	SWING TIE 15 - SAN M.H. 42	113.2	SWING TIE 16 - PK NAIL & DISC #ST16	108.5	12.3
30079	WM 12" TOP=11.5	SWING TIE 17 - SAN M.H. 43	164.1	SWING TIE 16 - PK NAIL & DISC #ST16	34.8	11.5
30032	WM 8" G.V. NUT	SWING TIE 11 - CL STR 1106 @EP	105.4	SWING TIE 12 - CL STR 1107 @EP	108.7	12.6
79030	WM 12"x8" TEE	SWING TIE 11 - CL STR 1106 @EP	51.1	SWING TIE 12 - CL STR 1107 @EP	57.1	12.6

SWING TIE INFORMATION - REUSE MAIN

POINT NUMBER	DESCRIPTION	SWING TIE AND DESCRIPTION	DISTANCE	SWING TIE AND DESCRIPTION	DISTANCE	ELEVATION
30151	RU 8" TOP=12.9	SWING TIE 13 - SAN M.H. 41	50.4	SWING TIE 14 - CL STR 1102 @ EP	12.9	12.9
30154	RU 8" TOP=13.2	SWING TIE 14 - CL STR 1102 @ EP	87.5	SWING TIE 15 - SAN M.H. 42	67.7	13.2
30155	RU 8" TOP=13.4	SWING TIE 14 - CL STR 1102 @ EP	146.1	SWING TIE 15 - SAN M.H. 42	24.5	13.4
30158	RU 8" TOP=13.8	SWING TIE 15 - SAN M.H. 42	81.7	SWING TIE 16 - PK NAIL & DISC #ST16	136.4	13.8
30159	RU 8" TOP=12.8	SWING TIE 15 - SAN M.H. 42	197.6	SWING TIE 16 - PK NAIL & DISC #ST16	20.0	12.8



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

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.
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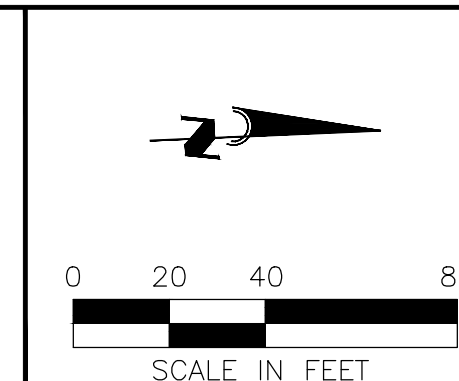
DocuSigned by:
Jeffery B. Morrow
231B66B2423640B...
JEFFERY B. MORROW P.S.M
FL CERT. NO. 6296

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
19	08/03/22	ADD WATER AND REUSE SERVICES FOR NE OUTPARCEL	ERC
16	05/10/22	CHANGES PER CONTRACTOR RFI	CD
14	04/01/22	CHANGES PER CONTRACTOR RFI	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
17	01/26/23	RECORD DRAWINGS	CD

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
04-30-21			CD

CALL BEFORE YOU DIG!
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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

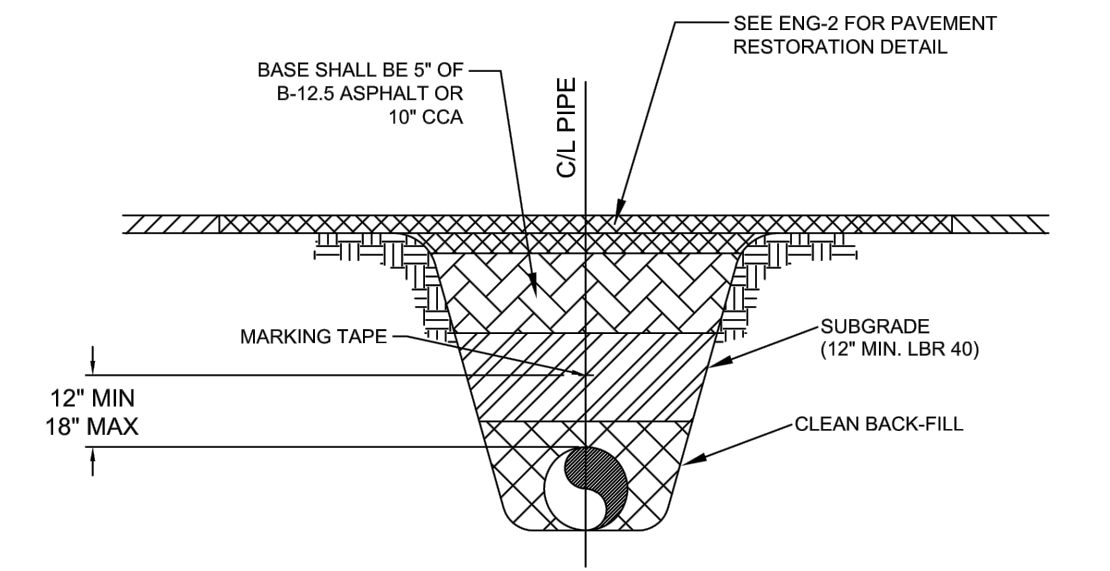
Civil Engineering | Land Surveying
AM ENGINEERING, LLC.
8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengll.com
CA #33105 | LB #4334



OWNER: BORDER ROAD INVESTMENTS, LLC
PROJECT: VISTERA OF VENICE
RECORD PLAN AND PROFILE
VISTERA BOULEVARD
STA 37+00 TO STA 49+00

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
NGVD 1929
PROJECT NUMBER: NEAL0016
SHEET NUMBER: 69A

PROJECT ENGINEER: BOBBY R. CLAYBROOKE, P.E.
DATE: _____
FLORIDA P.E. NO. 9804

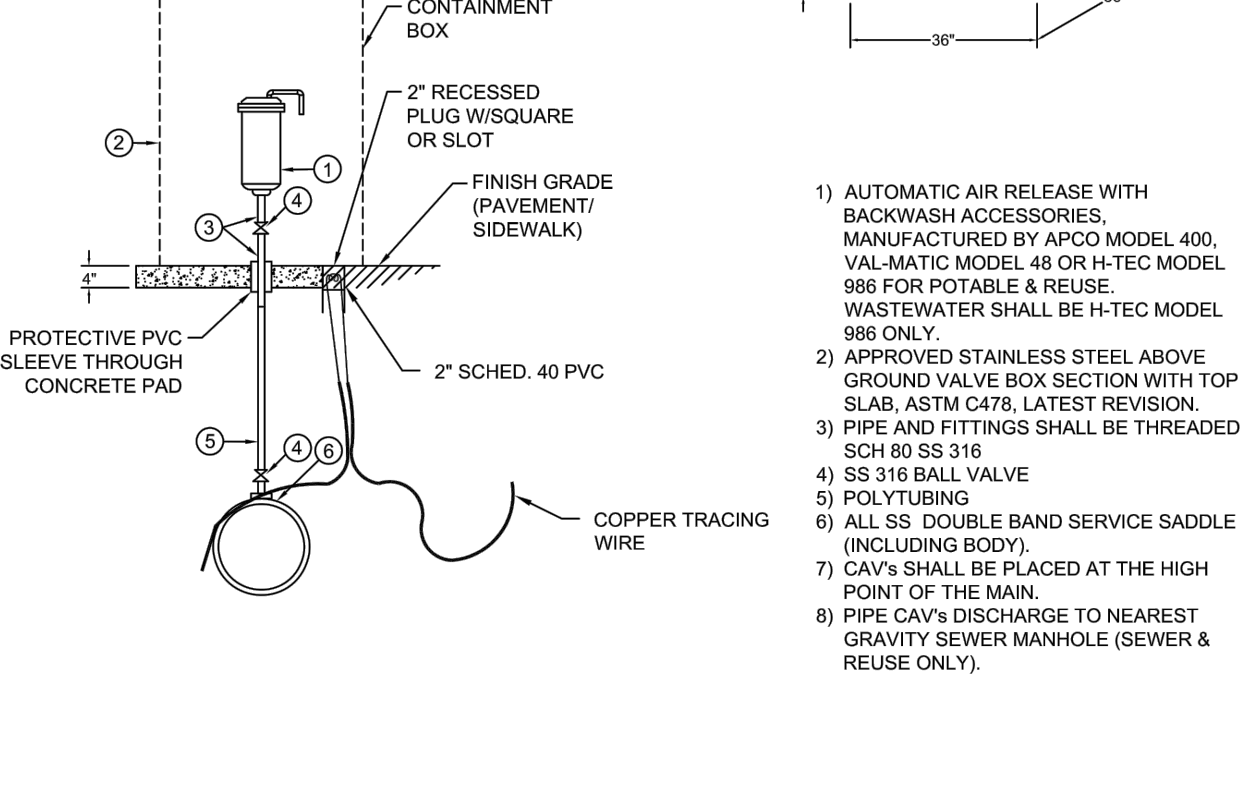
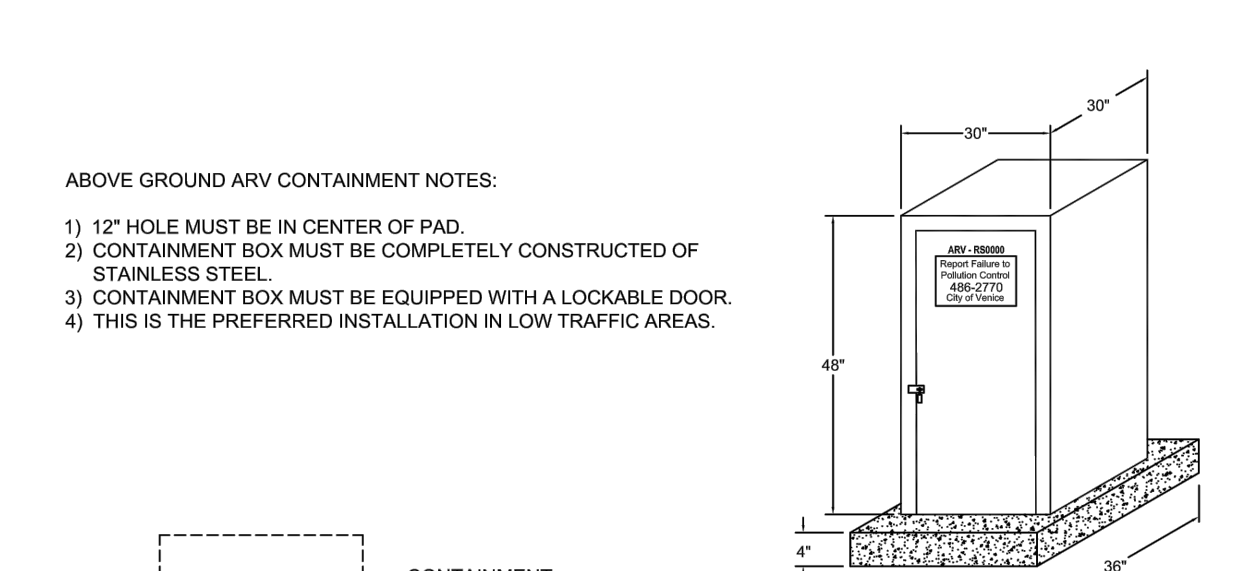


MARKING TAPE AND MESSAGES table with columns: PIPE, TAPE COLOR, MESSAGE

- 1. 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...

PRESSURE PIPE TRENCH DETAIL

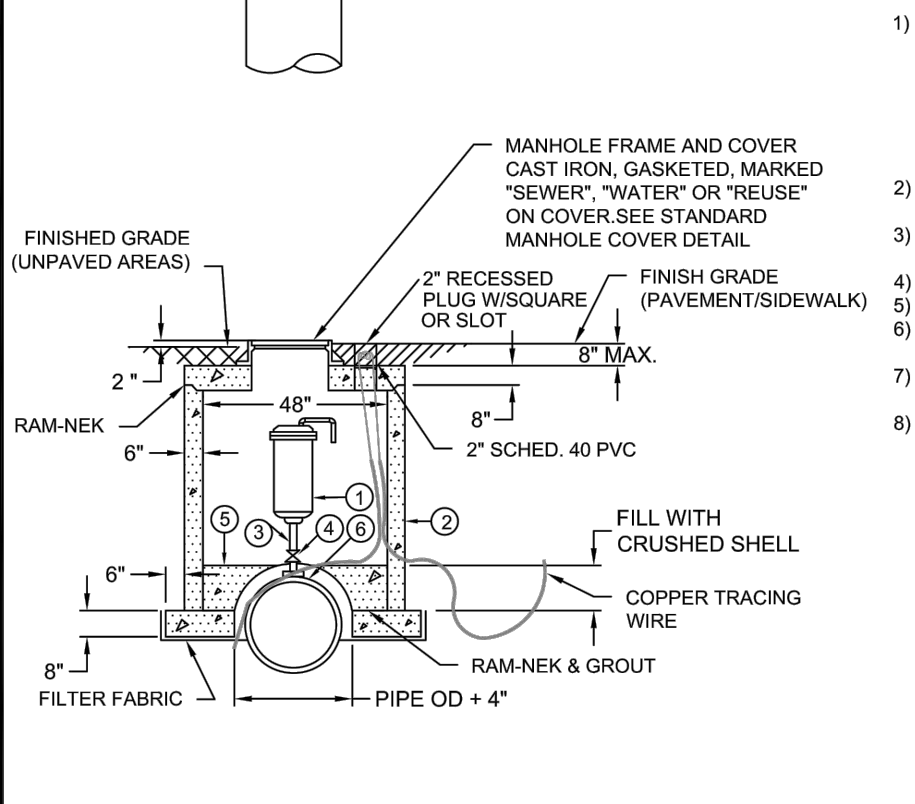
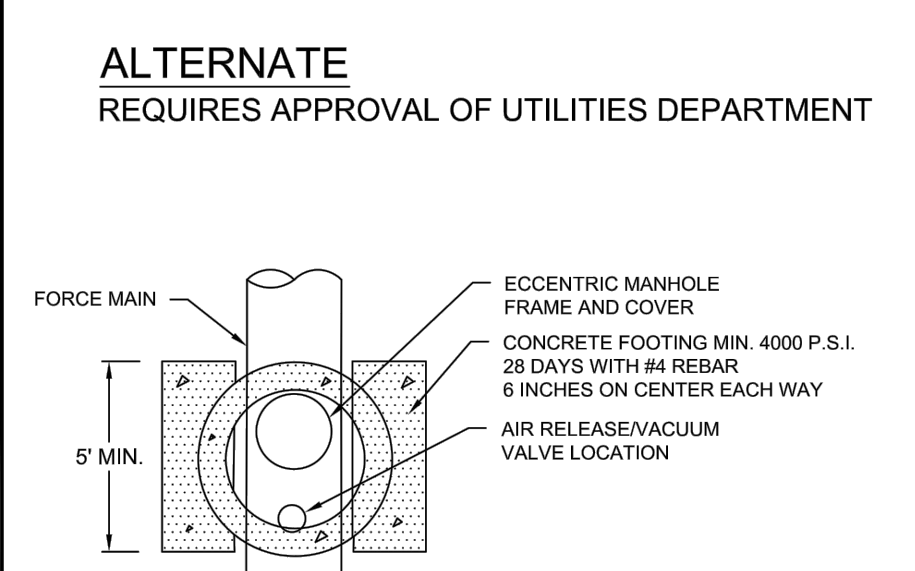
CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-1



- 1. AUTOMATIC AIR RELEASE WITH BACKWASH ACCESSORIES MANUFACTURED BY ARCO MODEL 400, VAL-MATIC MODEL 48 OR H-TEC MODEL 986 FOR POTABLE & REUSE...

AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV) DETAIL

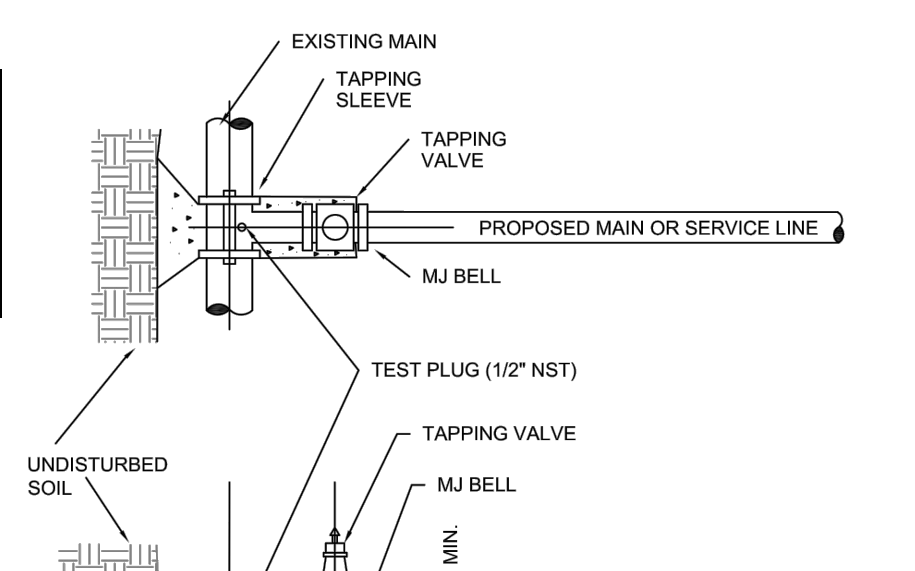
CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-2



- 1. AUTOMATIC AIR RELEASE WITH BACKWASH ACCESSORIES MANUFACTURED BY ARCO MODEL 400, VAL-MATIC MODEL 48 OR H-TEC MODEL 986 ONLY...

AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV) DETAIL (ALTERNATE)

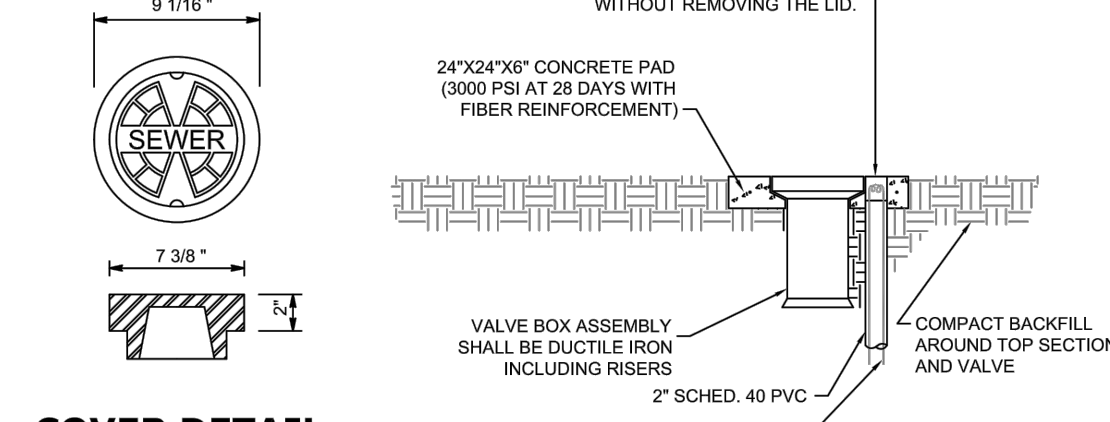
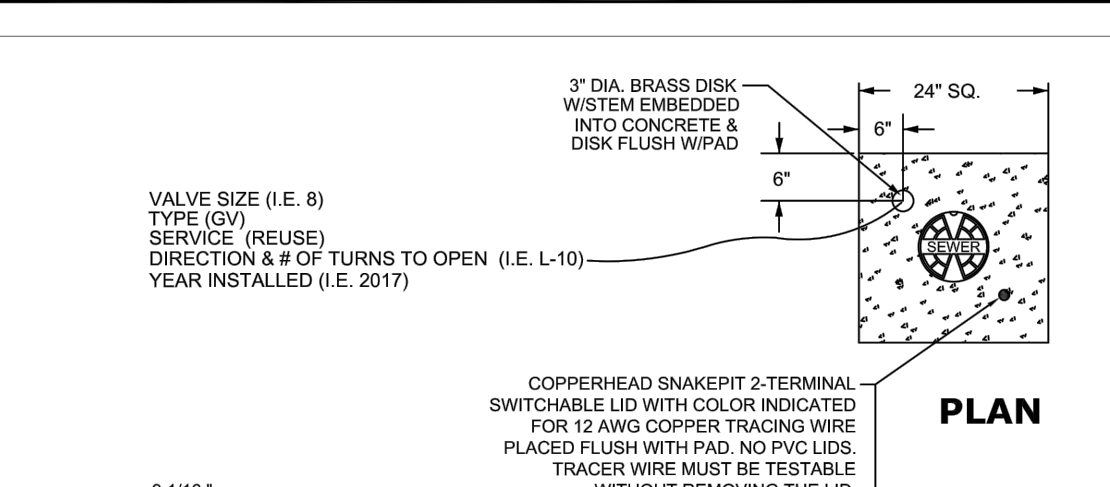
CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-2a



- 1. 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...

TAPPING SLEEVE & VALVE DETAIL

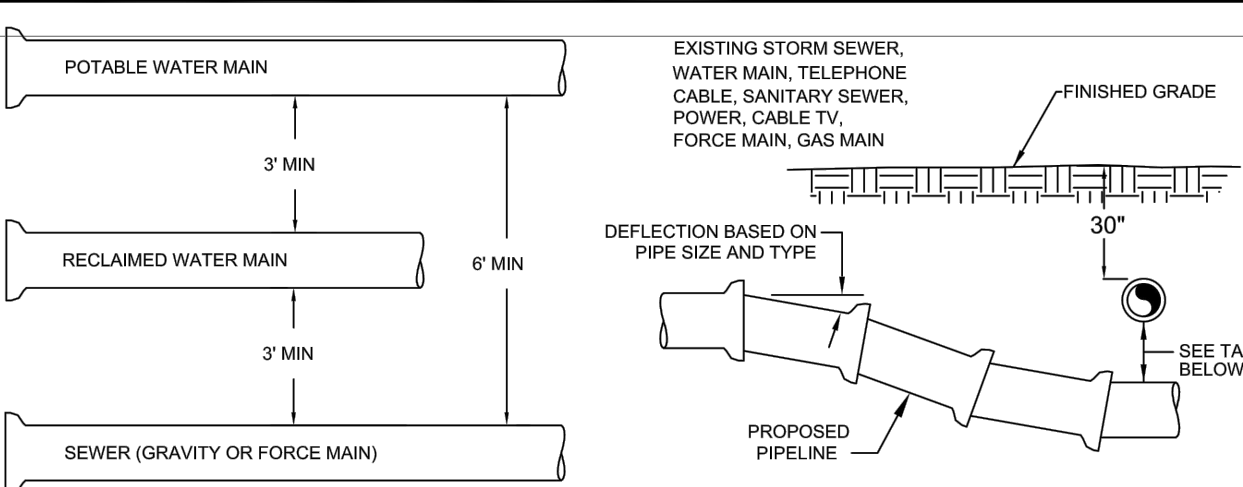
CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-3



- 1. PAVED AREAS: SET CONCRETE PAD AND COVER FLUSH WITH FINISHED PAVEMENT SURFACE. UNPAVED AREAS: SET PAD AND COVER 1 INCH ABOVE FINISHED GRADE...

VALVE BOX DETAIL

CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-4

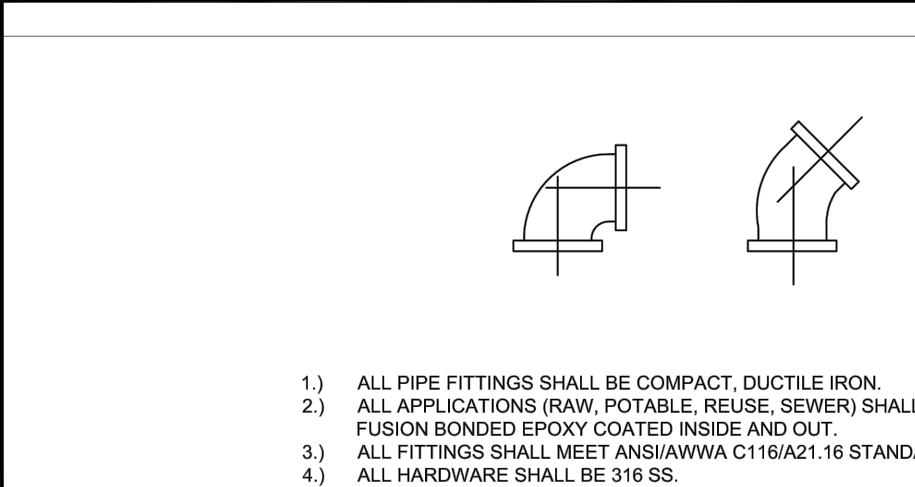


MINIMUM HORIZONTAL SEPARATION DISTANCES (FT) and MINIMUM VERTICAL SEPARATION DISTANCES (IN) tables.

- 1. MAXIMUM JOINT DEFLECTION SHALL BE 90% OF MANUFACTURER'S RECOMMENDATION. 2. WHEREVER POSSIBLE, THE LAYOUT OF UTILITIES SHALL PLACE SANITARY SEWER AND SEWER FORCE MAINS BELOW RECLAIMED MAINS AND BELOW WATER MAINS...

UTILITY CONFLICT & SEPARATION DETAIL

CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-5



- 1. ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON. 2. ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER) SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT...

PIPE FITTINGS

Table with columns: SERVICE, COLOR, MATERIAL/CLASS. Lists materials like AWWA C900 PVC, PE (Polytubing), etc.

PIPE MATERIAL SCHEDULE

CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-6

Table: MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING. Columns: FITTING, PIPE SIZE (INCHES), 4, 6, 8, 10, 12, 16, 18, 20, 24.

Table: MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING. Columns: FITTING, PIPE SIZE (INCHES), 4, 6, 8, 10, 12, 16, 18, 20, 24.

- 1. FOR TEE OR REDUCER FITTINGS SUBMIT RESTRAINED JOINT LENGTH CALCULATIONS TO CITY ENGINEER FOR REVIEW AND APPROVAL. 2. RESTRAINED JOINT LENGTH FOR WATER AND REUSE MAINS BASED ON TEST PRESSURE OF 150 PSI...

PRESSURE MAIN RESTRAINED JOINT TABLE

CITY OF VENICE ENGINEERING DEPARTMENT UTILITIES - GENERAL DATE JAN 2022 SHEET NO. U-7

Vertical text on the left edge of the drawing.

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CITY OF VENICE UTILITY DETAILS

HORIZONTAL SCALE: N/A VERTICAL SCALE: N/A

PROJECT NUMBER: NEAL0016 SHEET NUMBER: 87

BOBBY R. CLAYBROOKE, P.E. DATE: 01/10/2022 FLORIDA P.E. No. 90804

Revision table with columns: REV. NO., REV. DATE, REVISION DESCRIPTION, BY.

