

5) 3/19/2020

## LEGEND ABBREVIATIONS

EL or ELEV	ELEVATION
INV	INVERT
LF	LINEAR FEET
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
SB	SOIL BORING
STA	STATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
C	CENTERLINE
F	FLOW LINE
CMP	CORRUGATED METAL PIPE
D.I.P.	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE PIPE
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
MH	MANHOLE
STR	STORM SEWER STRUCTURE
X.XX' LT/X.XX' RT	FEET LEFT or FEET RIGHT

## SYMBOLS

	IN-LINE PLUG VALVE W/ BOX
	IN-LINE GATE VALVE W/ BOX
	FIRE HYDRANT, COMPLETE
	WATER METER
	IRRIGATION METER
	SANITARY SEWER MANHOLE
	SANITARY SEWER LATERAL & CLEAN-OUT
	STORM SEWER & STRUCTURE
	ENDWALL
	PROPOSED ELEVATION
	PROPOSED PAVEMENT ELEVATION
	EXISTING ELEVATION
	EXISTING PAVEMENT ELEVATION
	DIRECTION OF DRAINAGE FLOW
	PROPOSED CONTROL STRUCTURE
	PROPOSED LAKE
	PROPOSED LITTORAL SHELF
	MINIMUM FINISHED FLOOR ELEVATION

NOTE: OPEN SYMBOLS AND DASHED LINES DENOTE EXISTING IMPROVEMENTS

## SITE DEVELOPMENT DATA:

PROJECT:	VICENZA
ENGINEER:	STANTEC, INC. 6900 PROFESSIONAL PKWY EAST SARASOTA, FL 34240
SURVEYOR:	STANTEC, INC. 6900 PROFESSIONAL PKWY EAST SARASOTA, FL 34240
DEVELOPER/OWNER:	NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC 5800 LAKEWOOD RANCH BLVD SARASOTA, FL 34240
ZONING:	SJMR PROPERTY PUD
FLOOD ZONE:	PER FIRM #12115C0263F & 12115C0351F (NAVD 1988)
EXISTING LAND USE:	PASTURE - AGRICULTURE - VACANT
PROPOSED LAND USE:	SINGLE FAMILY RESIDENTIAL
SEWER PROVIDER:	SARASOTA COUNTY UTILITIES
WATER PROVIDER:	CITY OF VENICE UTILITIES
ELECTRIC PROVIDER:	FLORIDA POWER & LIGHT
GARBAGE:	CITY OF VENICE
PROJECT AREA:	185.56 AC - PHASE 1 106.24 AC - PHASE 2 291.78 AC WITHIN PUD
PID:	PORTIONS OF PID#0391001020 AND #039300300
DATUM:	NATIONAL GEODETIC VERTICAL DATUM (NAVD) OF 1988. (UNLESS SPECIFIED OTHERWISE)

SARASOTA COUNTY UTILITY CONSTRUCTION, CITY OF VENICE, FDEP AND FDOH WATER AND WASTEWATER PERMITS ARE REQUIRED.

SARASOTA COUNTY UTILITIES CONTACT: MICHAEL MEHAN, PE  
PH: 941-861-0581  
1001 SARASOTA CENTER BLVD  
SARASOTA, FL 34240

CITY OF VENICE UTILITIES CONTACT: JOHN MONVILLE  
PH: 941-882-7300  
200 WARFIELD AVE N  
VENICE, FL 34285

FP&L CONTACT: PAM DURHAM  
PAMELY.DURHAM@FPL.COM

## GENERAL NOTES:

THE HOMEOWNERS ASSOCIATION IS RESPONSIBLE FOR THE MAINTENANCE OF THE COMMON AREAS, STORMWATER MANAGEMENT SYSTEM, IRRIGATION AND ROADS. THE WATER SYSTEM SHALL BE TURNED OVER TO THE CITY OF VENICE FOR OWNERSHIP AND MAINTENANCE. THE SANITARY SEWER SYSTEM SHALL BE TURNED OVER TO SARASOTA COUNTY FOR OWNERSHIP AND MAINTENANCE.

THE HOA DOCUMENTS SHALL BE CONSISTENT WITH THE HOA MAINTENANCE RESPONSIBILITIES IDENTIFIED.

THE DATUM OF THE ELEVATIONS SHOWN ARE NAVD 1988

TO CONVERT FROM THE GRADES SHOWN HEREIN IN THE NAVD 1988 DATUM TO THE NGVD 1929 DATUM, ADD 1.11 FT.

DEVELOPMENT ON THE ±186 ACRES IS CONSISTENT WITH THE LAND USE ILLUSTRATED ON THE PUD PLAN.

ANY WELLS ON SITE THAT WILL NOT BE USED MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER PURSUANT TO RULE 400-3.53(2) F.A.C.

ANY WELL DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO THE SARASOTA COUNTY HEALTH DEPARTMENT, ENVIRONMENTAL HEALTH WITHIN 24 HOURS OF DISCOVERY.

IRRIGATION SHALL BE BY PRIVATE SYSTEM THROUGH LAKE AND WELL SUPPLEMENT.

THE 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.

## CITY OF VENICE NOTES:

- ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW PERMIT.
- ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF THE ISSUED PERMITS.
- TREE REMOVAL PERMIT MUST BE OBTAINED FROM SARASOTA COUNTY NATURAL RESOURCES DEPARTMENT.
- POST DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT.
- ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, OR V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHAL AS PER S.F.S. 633.521
- CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION
- ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE AND / OR SARASOTA COUNTY STANDARDS.
- CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.
- ENGINEER'S QUANTITY ESTIMATE OF INFRASTRUCTURE IMPROVEMENTS (PHASE1) :

ON SITE:	
LINEAR FEET OF RECLAIMED WATER	0 LF
LINEAR FEET OF POTABLE WATER MAIN	14,010 LF
LINEAR FEET OF GRAVITY SEWER MAIN	10,988 LF
LINEAR FEET OF FORCE MAIN	3,912 LF
NUMBER OF MANHOLES	42

## WATER MAIN RECORD DRAWINGS FOR

# VICENZA (PHASE 1)

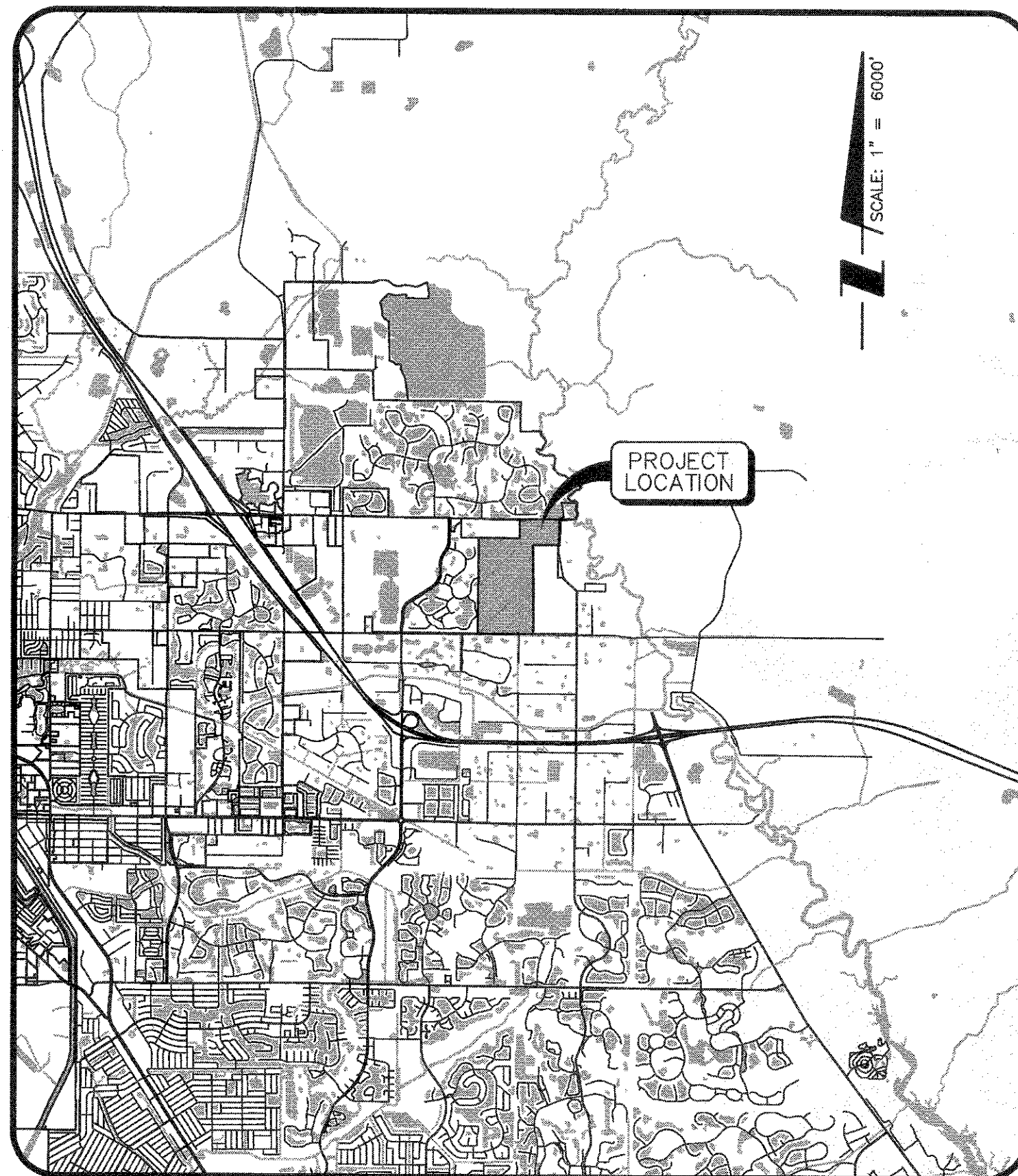
## SUBPHASE 1-1

## PART OF SECTION 35 AND 36, TOWNSHIP 38 SOUTH RANGE 19 EAST

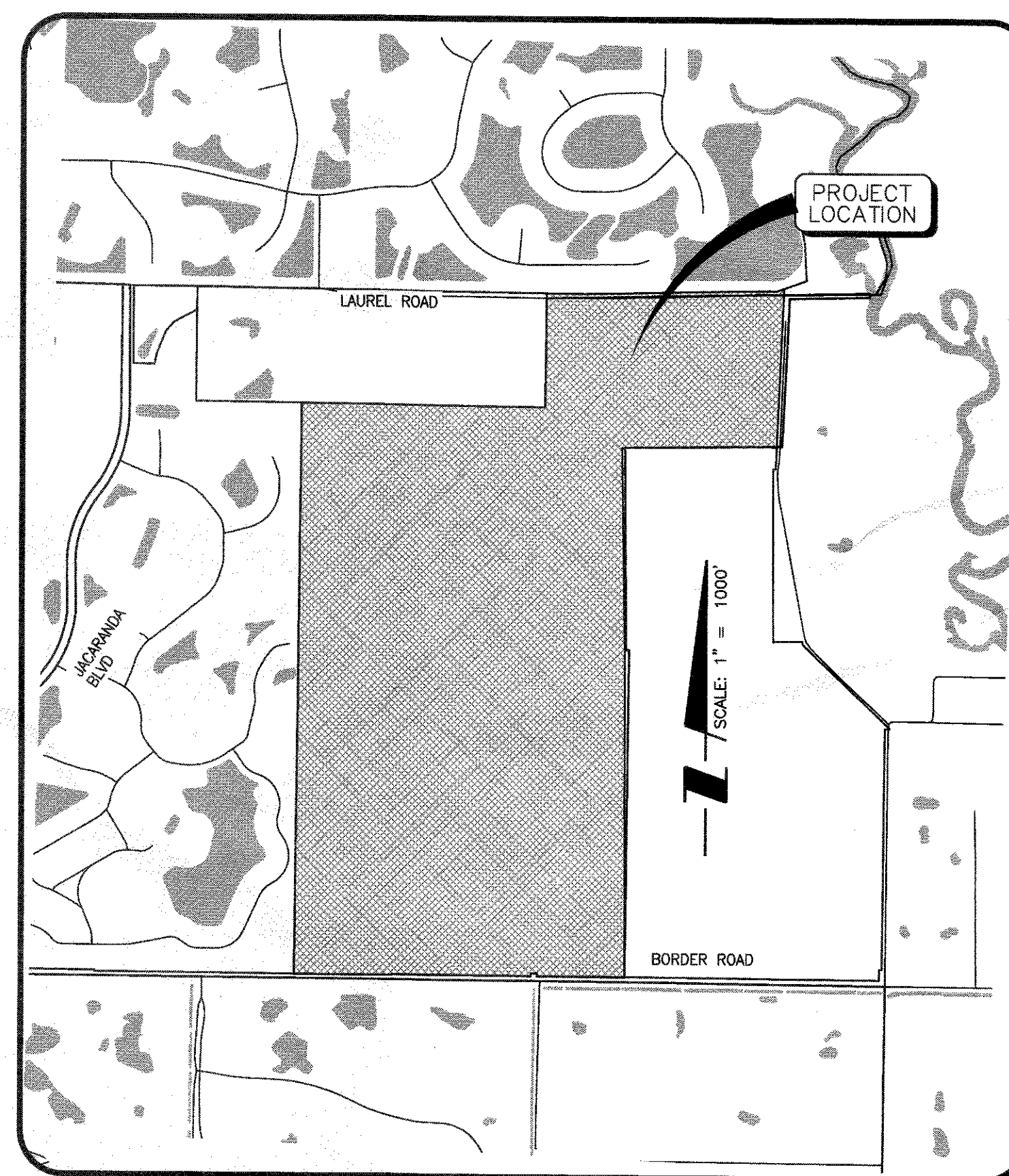
## SARASOTA COUNTY, FLORIDA A DEVELOPMENT BY

## NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC 5800 LAKEWOOD RANCH BOULEVARD NORTH SARASOTA, FLORIDA 34240 (941)-328-1111

RECORD  
DRAWING



LOCATION MAP



SITE MAP

NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
1	11/05/19	RECORD DRAWING	AG/JP	1			
2	02/14/19	REVISED PER COUNTY COMMENTS DATED 02/12/2019	RTD/B9450	2			
3	02/01/19	REVISED PER CITY COMMENT (SIDEWALK REVISED TO MATCH PP)	RTD/B9450	3			
4	01/07/19	REVISED PER CITY COMMENTS DATED 01/02/2019	RSB/115155	4			
5	12/04/18	REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP	RSB/115155	5			
6	11/12/18	REVISED MURT TO MAINTAIN 8' WIDTH	RTD/B9450	6			

## VICENZA - SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

## ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE

NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS  
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [ ]  
NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

## AS-BUILT DRAWING

CROSS SURVEYING, L.L.C.

CERTIFICATE OF AUTHORIZATION LB 0007977  
5205 OFFICE PARK BLVD, SUITE 101, BRADENTON FLORIDA 34203  
(941) 745-5249 (941) 885-9359 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN IN BRACKETS [ ] UPON THE DESIGN CONTRIBUTION PLANS, IS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND MORE COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEYOR AND MAPPER.  
DATE OF CERTIFICATION 03-04-2020  
DATE OF FIELD SURVEY 05-15-2019  
GERALD D. STROOP, P.E.  
FLORIDA CERTIFICATE NO. 4679

## INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	AERIAL LOCATION MAP
3	EXISTING CONDITIONS PLAN
4	MASTER SITE PLAN
5-9	SITE PLAN (PHASE 2)
10-19	SITE PLAN (PHASE 1)
20	MASTER GRADING AND DRAINAGE PLAN
21-25	GRADING AND DRAINAGE PLAN (PHASE 2)
26-35	GRADING AND DRAINAGE PLAN (PHASE 1)
36	MASTER WATER AND SEWER PLAN
37	PLAN AND PROFILE KEY SHEETS
38-43	PLAN AND PROFILE ARIANO AVENUE (PHASE 1)
46-50	PLAN AND PROFILE ARIANO AVENUE (PHASE 2)
51-52	PLAN AND PROFILE ORTELLE TERRACE
53	53-56 PLAN AND PROFILE TRACINO LOOP
57	57-58 PLAN AND PROFILE SAREZZO CIRCLE
59-60	PLAN AND PROFILE PALIBORO CIRCLE
61-66	PLAN AND PROFILE PALMARIA COURT
67	PLAN AND PROFILE SPOLETO CIRCLE
68-69	PLAN AND PROFILE TRACINO TERRACE
70-75	PLAN AND PROFILE POTENZA LOOP
76-79	PLAN AND PROFILE ALTAMURA CIRCLE
80-81	PLAN AND PROFILE BRINDISI CIRCLE
82	PAVING DETAILS
83	GRADING DETAILS
84	GRADING SECTIONS
85-87	DRAINAGE DETAILS
88-90	STORM STRUCTURE TABLE
91-93	OUTFALL CONSTRUCTION DETAILS
94	GENERAL UTILITY CONSTRUCTION DETAILS
95	WATER DISTRIBUTION CONSTRUCTION DETAILS
96	WASTEWATER COLLECTION CONSTRUCTION DETAILS
97	LIFT STATION 2 DETAILS
98	LIFT STATION 1 DETAILS
99	SIGNAGE AND MARKING PLAN
100	BEST MANAGEMENT PRACTICES PLAN
101	BEST MANAGEMENT PRACTICES DETAILS

## SUPPLEMENTAL DRAWINGS

LANDSCAPE PLANS	
KEY	KEY SHEET
PS-1	PLANT SCHEDULE SHEET
PL-1 PL-6	PLANTING PLANS
PL-17	PLANTING DETAILS
SGD-1-3	SGD PLANS
SARASOTA COUNTY SUPPLEMENTAL LIFT STATION DETAILS	
11 SHEETS	STANDARD FABRICATION PLANS AND CONTROL SCHEMATICS FOR SINGLE & THREE PHASE DUPLEX MOTOR CONTROL PANELS AT WASTEWATER LIFT STATION (MCP-COVER, MCP-01, MCP-02, MCP-03A, MCP-03B, MCP-03C, MCP-03D, MCP-04A, MCP-04B, MCP-04C, MCP-04D, MCP-04E)
5 SHEETS	STANDARD INSTALLATION PLANS FOR DUPLEX MOTOR CONTROL PANEL (MCP) AND REMOTE TELEMETRY UNIT (RTU) FOR WASTE WATER LIFT STATIONS (MRI-COVER, MRI-01, MRI-02, MRI-03, MRI-04)
9 SHEETS	STANDARD FABRICATION PLANS FOR PLC REMOTE TELEMETRY UNIT (RTU) FOR DUPLEX WASTE WATER LIFT STATIONS (RTU-COVER, RTU-01A, RTU-01B, RTU-02, RTU-03, RTU-04A, RTU-04B, RTU-04C, RTU-04D)

## STATUS : REVISIONS

PROJECT PLANNER JIM COLLINS	PROJECT DEVELOPER NEAL COMMUNITIES	PROJECT CONSULTANT STANTEC
PROJECT DESIGNER RUSSELL DICKENS	PROJECT MANAGER MELANIE DELEHANTY SMITH, P.E. FLORIDA LICENSE NO. 75447	PROJECT ENGINEER TRAVIS FLEDDERMAN, P.E. FLORIDA LICENSE NO. 82341

CHECKED BY	DATE	APPROVED
		MAR 24 2020
RECORD DRAWINGS		

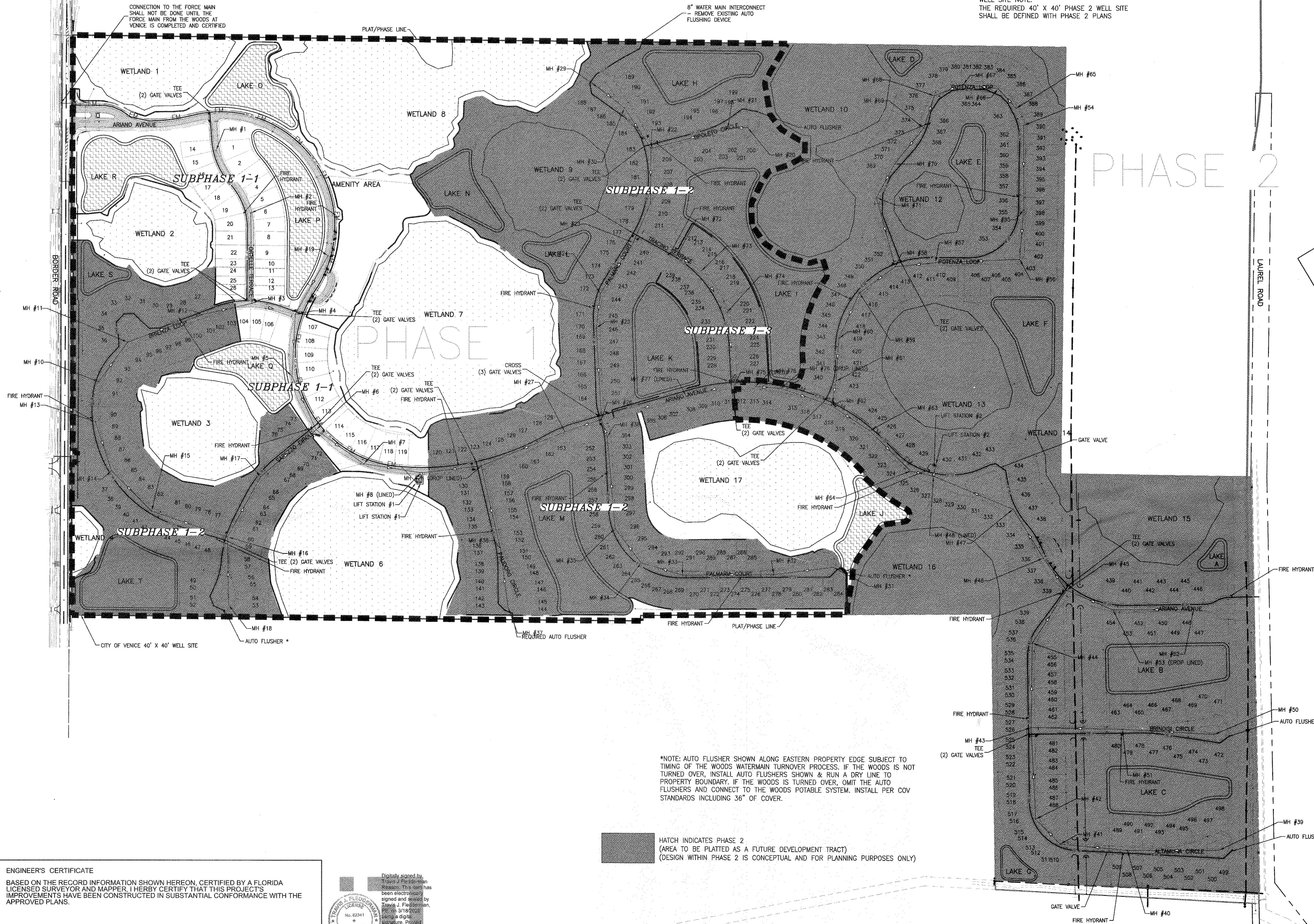
PROJECT NUMBER 215614167	
DATE FEBRUARY 2019	INDEX NUMBER D-ASB 01 (COV)



# SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

WELL SITE NOTE:  
THE REQUIRED 40' X 40' PHASE 2 WELL SITE  
SHALL BE DEFINED WITH PHASE 2 PLANS

SCALE: 1" = 200'



## ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE

Digitally signed by Travis J. Fledderman  
Reason: This form has been electronically signed and sealed by Travis J. Fledderman, PE on 3/18/2020. 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.

REVISION	DATE	BY / EDP. NO.	CHECKED BY / EDP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
RECORD DRAWING	11/05/19	AG/JJP					
E	02/14/19	RTD/89450			DESIGNED BY:		2018-02
D	02/01/19	RTD/89450			DRAWN BY:		2018-02
C	01/07/19	RSB/115155			CHECKED BY:		
B	12/04/18	RSB/115155			CONTRACT ADMIN. BY:		
A							

## VICENZA - SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

CLIENT: NEAL COMMUNITIES OF  
SOUTHWEST FLORIDA, LLC

PROJECT: VICENZA

DATE: 2018-02  
HORIZONTAL SCALE: 1" = 200'  
VERTICAL SCALE:

TITLE: MASTER WATER AND SEWER PLAN

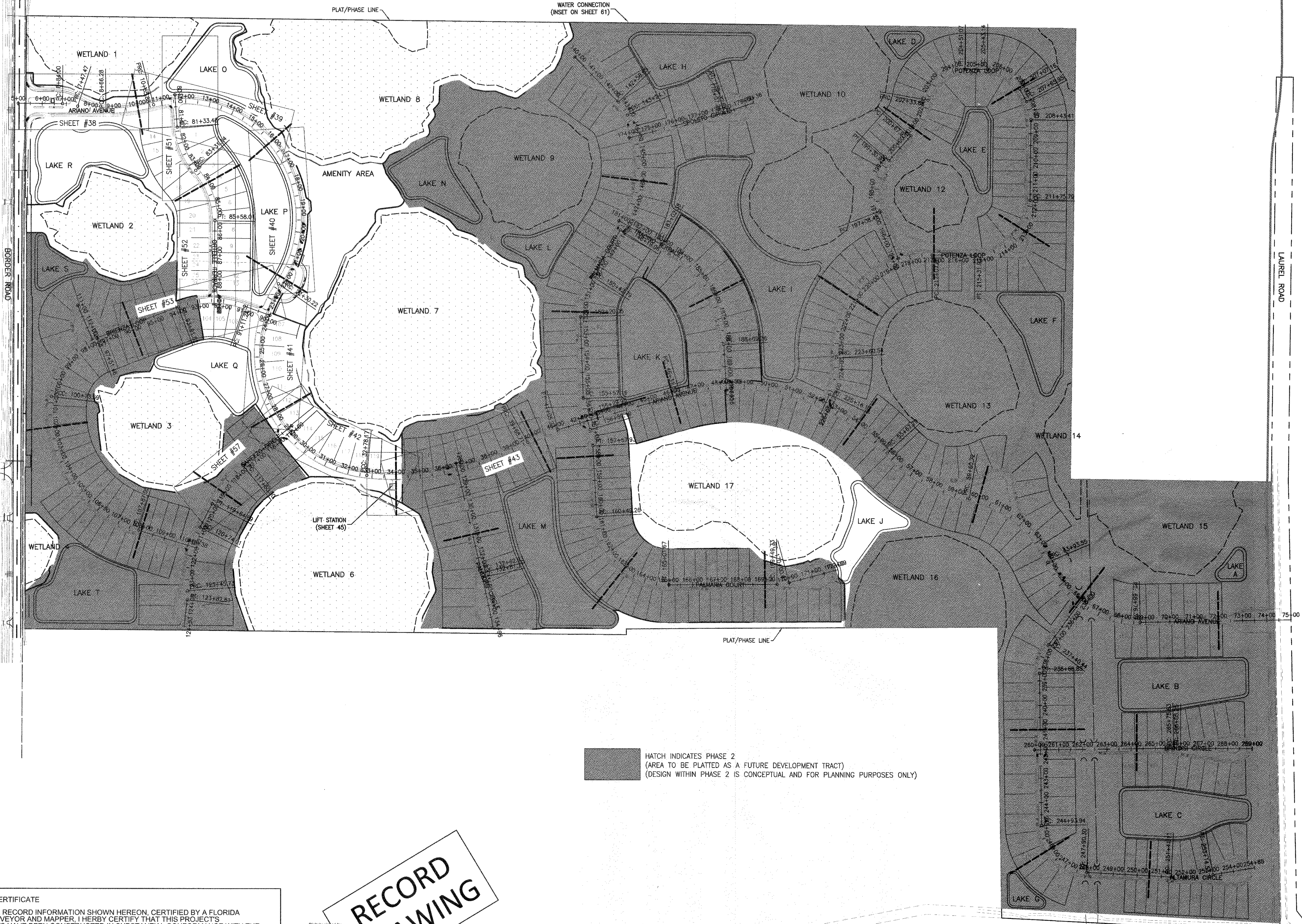
INDEX NUMBER: 215614167-02C-141UP  
SHEET NUMBER: 36 OF 101

CROSS REFERENCE FILE NO.:  
PROJECT NUMBER: 215614167



SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

SCALE: 1" = 200'



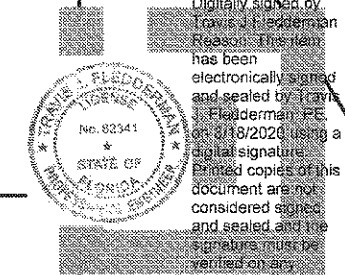
HATCH INDICATES PHASE 2  
(AREA TO BE PLATTED AS A FUTURE DEVELOPMENT TRACT)  
(DESIGN WITHIN PHASE 2 IS CONCEPTUAL AND FOR PLANNING PURPOSES ONLY)

ENGINEER'S CERTIFICATE  
BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #62341

DATE

RECORD  
DRAWING



REV NO.	REVISION	DATE	BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
E	RECORD DRAWING	11/05/19	AG/JP		
E	REVISED PER COUNTY COMMENTS DATED 02/12/19	02/14/19	RTD/89450		
D	REVISED PER CITY COMMENT (SIDEWALK REVISED TO MATCH PP)	02/01/19	RTD/89450		
C	REVISED PER CITY COMMENTS DATED 01/02/2019	01/07/19	RSB/115155		
B	REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP	12/04/18	RSB/115155		

VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS

CLIENT: NEAL COMMUNITIES OF  
SOUTHWEST FLORIDA, LLC

PROJECT: VICENZA

DATE: 2018-02	TITLE: PLAN AND PROFILE KEY SHEET	INDEX NUMBER: 215614167-02C-151KP
HORIZONTAL SCALE: 1" = 200'		SHEET NUMBER: 37 OF 101
VERTICAL SCALE: 1" = 20'		
SEC. TWP. RGE. 36 38S 19E	CROSS REFERENCE FILE NO.: 215614167	PROJECT NUMBER: 215614167

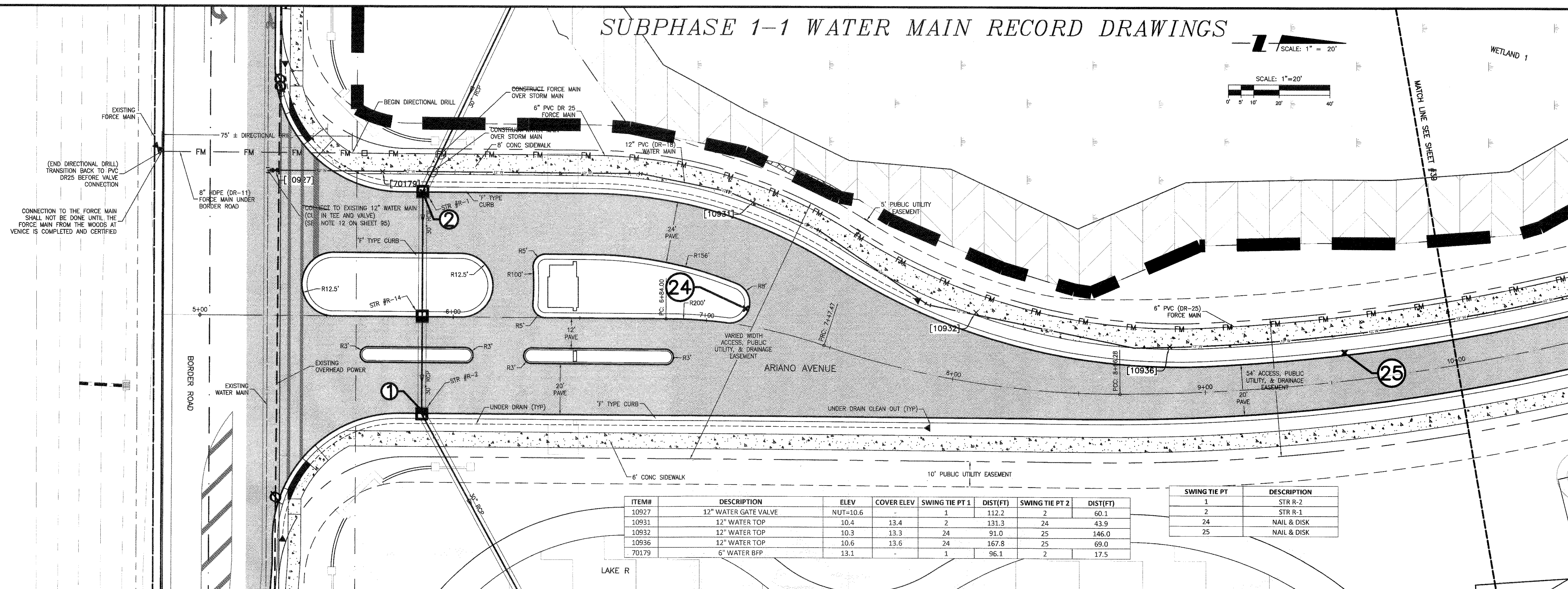
APPROVED  
MAR 24 2020  
RECORD DRAWINGS



## SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

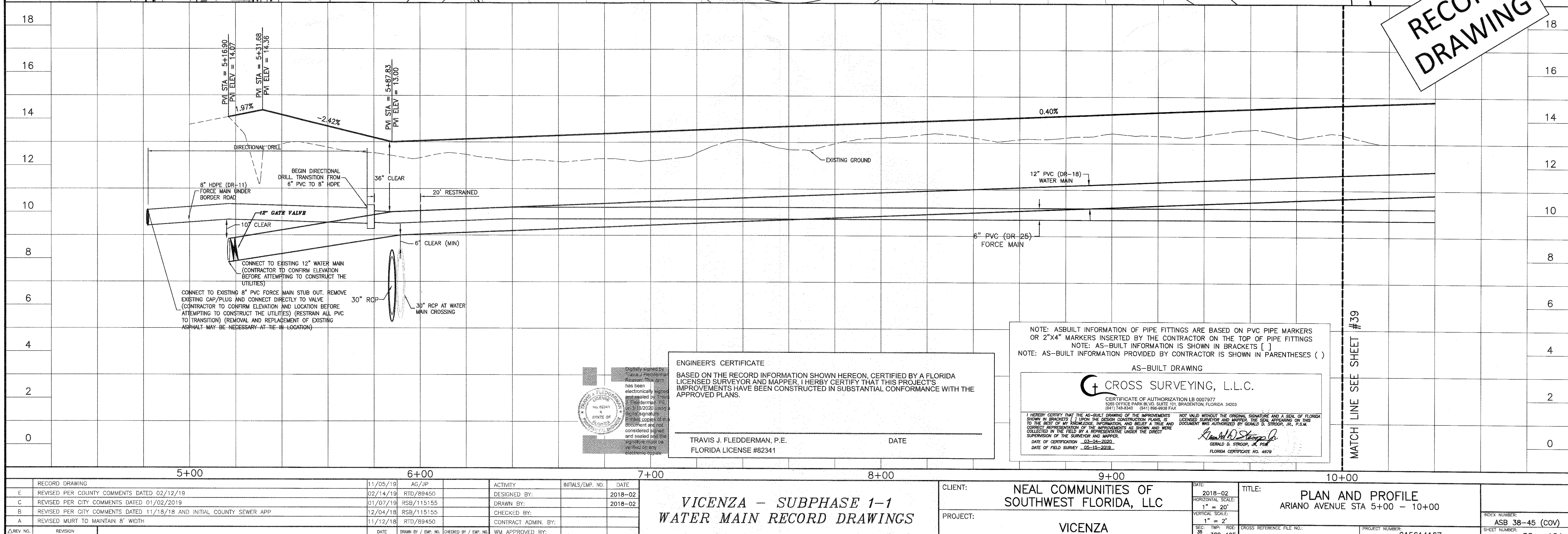
SCALE: 1" = 20'

SCALE: 1" = 20'



ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
10927	12" WATER GATE VALVE	NUT=10.6	-	1	112.2	2	60.1
10931	12" WATER TOP	10.4	13.4	2	131.3	24	43.9
10932	12" WATER TOP	10.3	13.3	24	91.0	25	146.0
10936	12" WATER TOP	10.6	13.6	24	167.8	25	69.0
70179	6" WATER BFP	13.1	-	1	96.1	2	17.5

SWING TIE PT	DESCRIPTION
1	STR R-2
2	STR R-1
24	NAIL & DISK
25	NAIL & DISK

APPROVED  
MAR 24 2020  
RECORD DRAWINGSRECORD  
DRAWING

ENGINEER'S CERTIFICATE  
BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA  
LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S  
IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE  
APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE

NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS  
OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS  
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [ ]  
NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

AS-BUILT DRAWING

CROSS SURVEYING, L.L.C.

CERTIFICATE OF AUTHORIZATION LB 0007977  
6205 OFFICE PARK BLVD, SUITE 101, BRADENTON, FLORIDA 34203  
(941) 748-8340 (941) 996-9938 FAX  
I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS  
SHOWN IN BRACKETS [ ] UPON THE DESIGN CONSTRUCTION PLANS, IS  
TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND  
CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND WERE  
COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT  
SUPERVISION OF THE SURVEYOR AND MAPPER.  
DATE OF CERTIFICATION 03-24-2020  
DATE OF FIELD SURVEY 03-15-2019  
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND A SEAL OF FLORIDA  
LICENSED SURVEYOR AND MAPPER, THE SEAL APPEARING ON THIS  
DOCUMENT WAS AUTHORIZED BY GERALD D. STROOP, JR., P.E.  
GERALD D. STROOP, JR., P.E.  
FLORIDA CERTIFICATE NO. 4879

REVISION	DATE	BY / EMP. NO.	DESCRIPTION
E	02/14/19	RTD/89450	REVISED PER COUNTY COMMENTS DATED 02/12/19
C	01/07/19	RSB/115155	REVISED PER CITY COMMENTS DATED 01/02/2019
B	12/04/18	RSB/115155	REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP
A	11/12/18	RTD/89450	REVISED MURT TO MAINTAIN 8' WIDTH

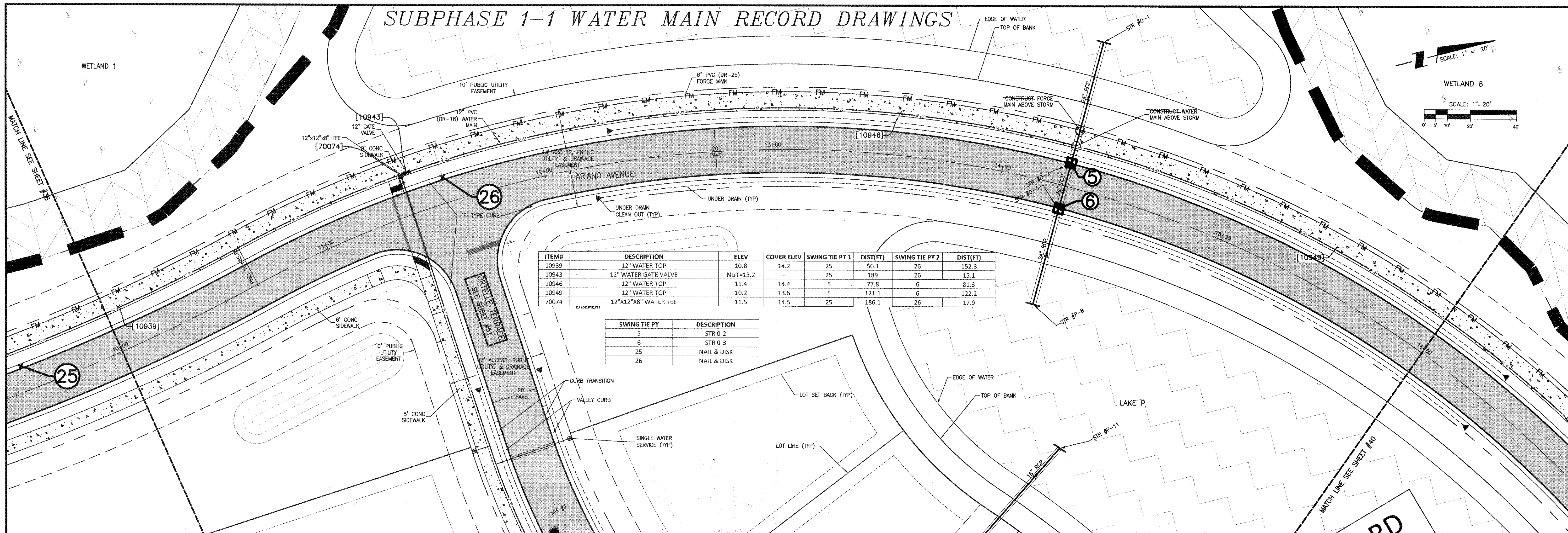
VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS

CLIENT: NEAL COMMUNITIES OF  
SOUTHWEST FLORIDA, LLC  
PROJECT: VICENZA

TITLE: PLAN AND PROFILE  
ARIANO AVENUE STA 5+00 - 10+00  
INDEX NUMBER: ASB 38-45 (COV)  
SHEET NUMBER: 38 OF 101  
CROSS REFERENCE FILE NO.: 215614167  
PROJECT NUMBER: 215614167



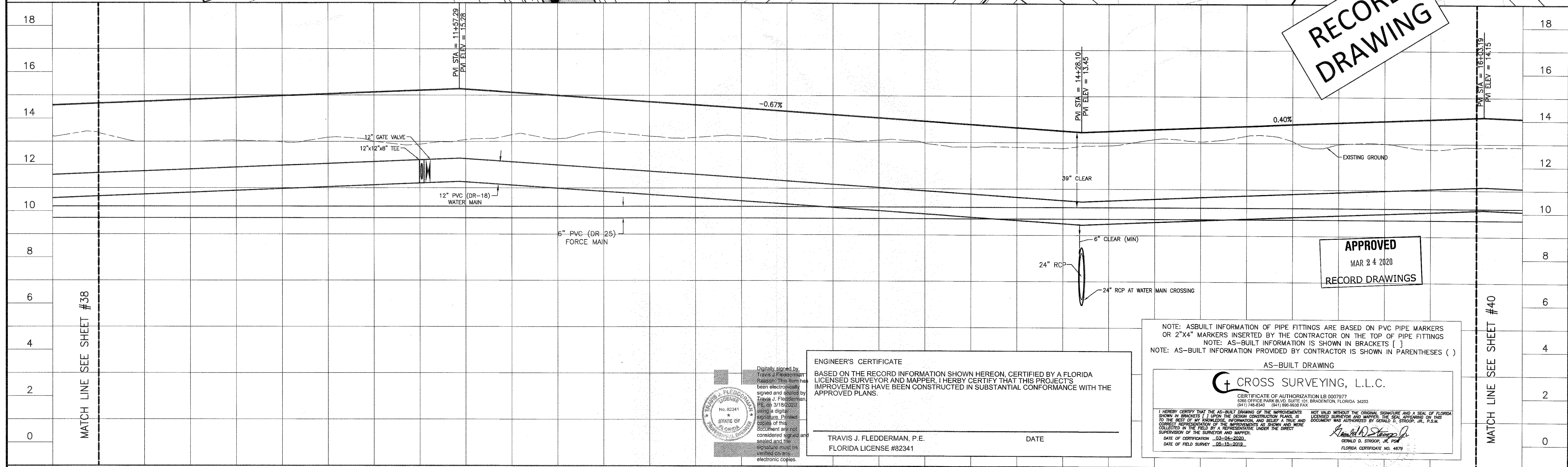
SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS



ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
10939	12" WATER TOP	10.8	14.2	25	50.1	26	152.3
10943	12" WATER GATE VALVE	NUT=13.2		25	189	26	15.1
10946	12" WATER TOP	11.4	14.4	5	77.8	6	81.3
10949	12" WATER TOP	10.2	13.6	5	121.1	6	122.2
70074	12"x12"x8" WATER TEE	11.5	14.5	25	186.1	26	17.9

SWING TIE PT	DESCRIPTION
5	STR 0-2
6	STR 0-3
25	NAIL & DISK
26	NAIL & DISK

RECORD  
DRAWING



Digitally signed by  
Travis J. Fledderman  
Reason: This item has  
been electronically  
signed and sealed by  
Travis J. Fledderman,  
PE, on 3/19/2020.  
I am a digital  
signature. Printed  
copies of this  
document are not  
considered signed and  
sealed and the  
signature must be  
verified on the  
electronic copies.

ENGINEER'S CERTIFICATE  
BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA  
LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S  
IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE  
APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE

NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS  
OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS  
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS ( )  
NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

AS-BUILT DRAWING

CROSS SURVEYING, L.L.C.

CERTIFICATE OF AUTHORIZATION LB 0007977  
6888 OFFICE PARK BLVD. SUITE 101, BRADENTON, FLORIDA 34203  
(941) 748-8340 (941) 696-9638 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS  
SHOWN IN BRACKETS ( ) UPON THE DESIGN CONSTRUCTION PLANS, IS  
TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND  
CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND WERE  
COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT  
SUPERVISION OF THE SURVEYOR AND MAPPER.

DATE OF CERTIFICATION 03-04-2020  
DATE OF FIELD SURVEY 05-15-2019

GERALD D. STROOP, JR., P.S.M.  
FLORIDA CERTIFICATE NO. 4479

REVISION	DATE	DESIGNED BY	CHECKED BY	CONTRACT ADMIN. BY	WM APPROVED BY	CLIENT	PROJECT	TITLE	INDEX NUMBER	SHEET NUMBER
RECORD DRAWING	11/05/19	AG/JP				NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC	VICENZA	PLAN AND PROFILE ARIANO AVENUE STA 10+00 - 16+00	ASB 38-45 (COV)	39 of 101
E	02/14/19	RTD/89450								
C	01/07/19	RSB/115155								
B	12/04/18	RSB/115155								
Δ	02/12/19									
Δ	01/02/2019									
Δ	11/18/18									

VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS



**SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS**

SCALE: 1"=20'

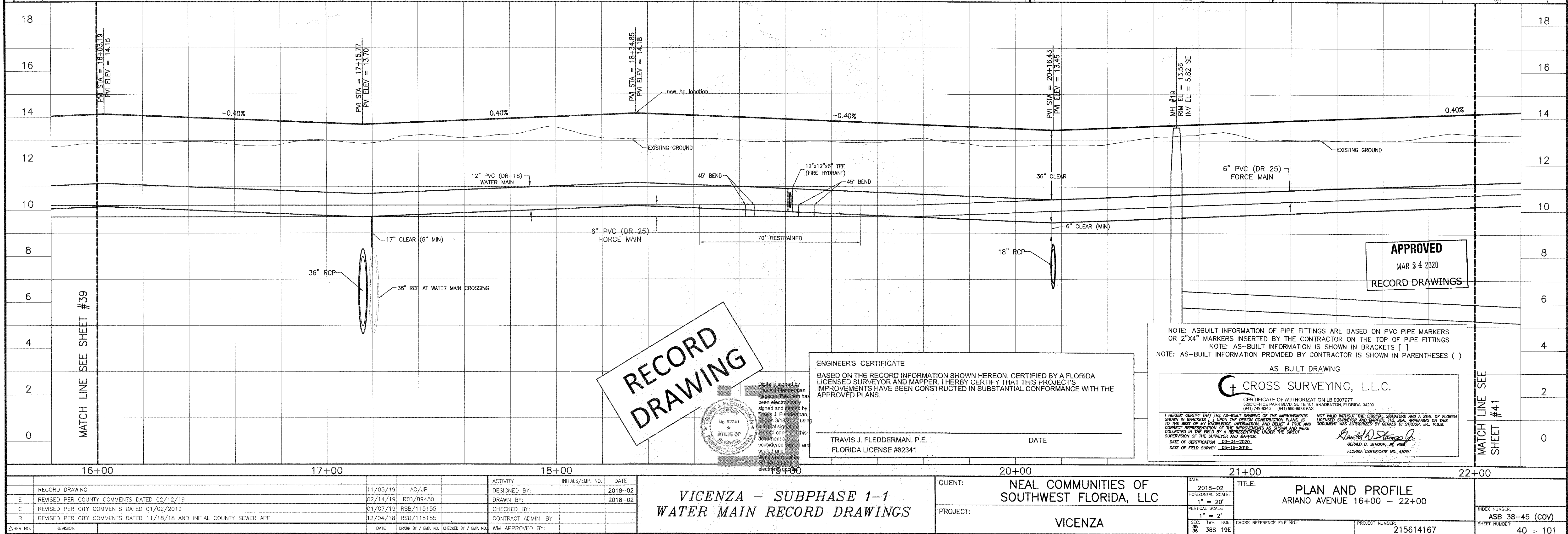
WETLAND 8

ARIANO AVENUE

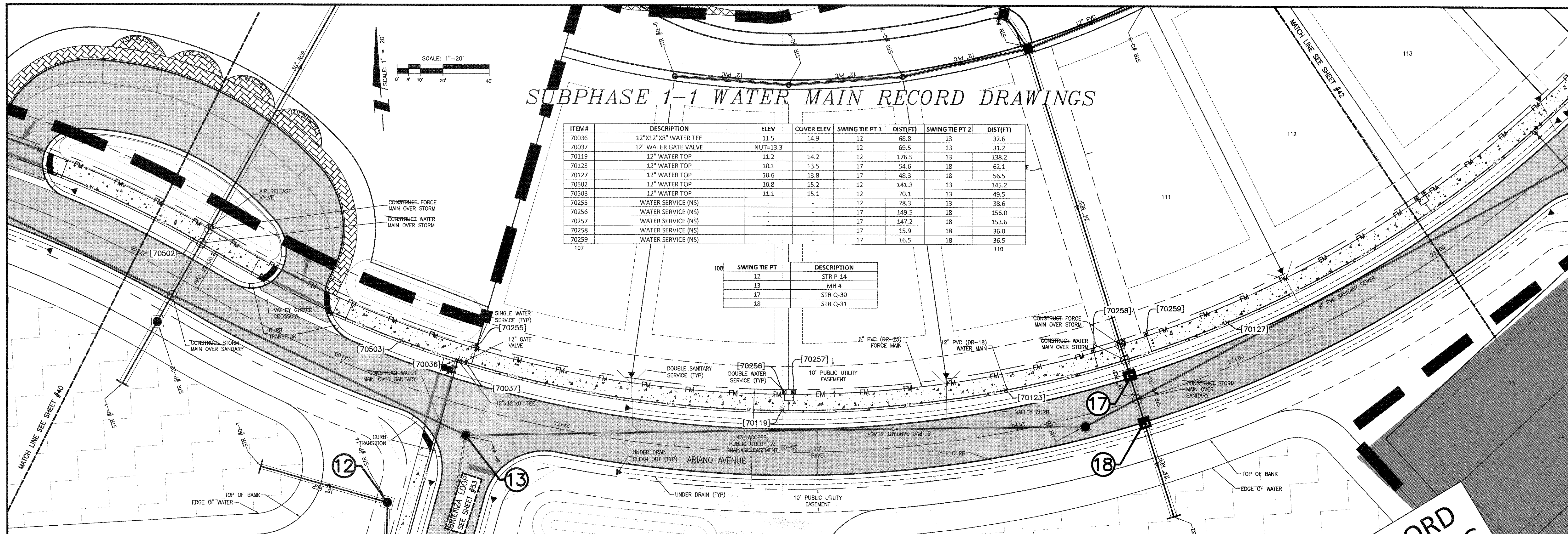
LAKE P

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
10500	12"x6" WATER TEE	10.7	13.8	9	118.4	10	118.9
10950	12" WATER TOP	10.8	13.8	7	76.9	8	80.4
10953	12" WATER TOP	10.5	13.6	7	22.3	8	35.8
10954	12" WATER TOP	10.5	14.3	7	120.3	8	121.2
10958	12" WATER TOP	10.7	13.8	9	90.1	10	92.8
70115	FHA	TOP=16.7	-	9	120.7	10	123.0
70117	6" WATER GATE VALVE	NUT=11.8	-	9	120.3	10	122.2
70170	WATER SERVICE (NS)	-	-	9	78.1	10	83.7
70500	12" WATER TOP	10.7	14.1	9	12.0	10	29.7
70501	12" WATER TOP	10.6	13.9	9	108.6	10	109.8
70515	WATER SERVICE (NS)	-	-	9	114.7	10	117.5

SWING TIE PT	DESCRIPTION
7	STR P-15
8	STR P-16
9	STR P-5
10	STR P-6





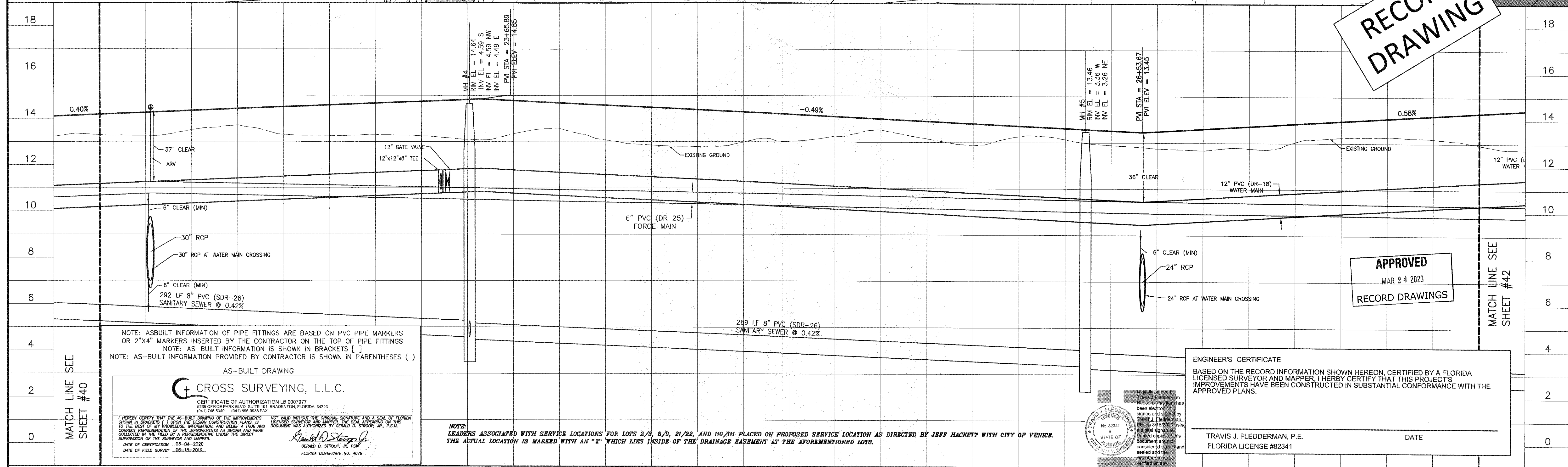


# SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70036	12"x12"x8" WATER TEE	11.5	14.9	12	68.8	13	32.6
70037	12" WATER GATE VALVE	NUT=13.3	-	12	69.5	13	31.2
70119	12" WATER TOP	11.2	14.2	12	176.5	13	138.2
70123	12" WATER TOP	10.1	13.5	17	54.6	18	62.1
70127	12" WATER TOP	10.6	13.8	17	48.3	18	56.5
70502	12" WATER TOP	10.8	15.2	12	141.3	13	145.2
70503	12" WATER TOP	11.1	15.1	12	70.1	13	49.5
70255	WATER SERVICE (NS)	-	-	12	78.3	13	38.6
70256	WATER SERVICE (NS)	-	-	17	149.5	18	156.0
70257	WATER SERVICE (NS)	-	-	17	147.2	18	153.6
70258	WATER SERVICE (NS)	-	-	17	15.9	18	36.0
70259	WATER SERVICE (NS)	-	-	17	16.5	18	36.5

SWING TIE PT	DESCRIPTION
12	STR P-14
13	MH 4
17	STR Q-30
18	STR Q-31

RECORD  
DRAWING



NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS  
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [ ]  
NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

CROSS SURVEYING, L.L.C.  
CERTIFICATE OF AUTHORIZATION LB 0007977  
3265 OFFICE PARK BLVD, SUITE 101, BRADENTON, FLORIDA 34203  
(941) 748-8350 (941) 896-0088 FAX  
I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN IN BRACKETS [ ] UPON THE RECORD CONSTRUCTION PLANS IS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND WERE COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEYOR AND MAPPER.  
DATE OF CERTIFICATION 03-04-2020  
DATE OF FIELD SURVEY 05-19-2019  
GERALD D. STROOP, JR., P.E.  
FLORIDA CERTIFICATE NO. 4679

NOTE: LEADERS ASSOCIATED WITH SERVICE LOCATIONS FOR LOTS 2/3, 8/9, 21/22, AND 10/11 PLACED ON PROPOSED SERVICE LOCATION AS DIRECTED BY JEFF HACKETT WITH CITY OF VENICE. THE ACTUAL LOCATION IS MARKED WITH AN "X" WHICH LIES INSIDE OF THE DRAINAGE EASEMENT AT THE AFOREMENTIONED LOTS.

APPROVED  
MAR 24 2020  
RECORD DRAWINGS

ENGINEER'S CERTIFICATE  
BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HEREBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.  
TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341  
DATE

REVISION	DATE	BY / EDP. NO.	CHECKED BY / EDP. NO.	WM APPROVED BY:	CLIENT:	PROJECT:	DATE:	TITLE:	INDEX NUMBER:
RECORD DRAWING	11/05/19	AG/JP			NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC	VICENZA	2018-02	PLAN AND PROFILE	ASB 38-45 (COV)
REVISED PER COUNTY COMMENTS DATED 02/12/19	02/14/19	RTD/89450					2018-02	ARIANO AVENUE 22+00 - 28+00	
REVISED PER CITY COMMENTS DATED 01/02/2019	01/07/19	RSB/115155					1" = 20'		
REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP	12/04/18	RSB/115155					1" = 2"		

## VICENZA - SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS



ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70131	12" WATER TOP	10.8	14.4	17	146.5	18	152.0
70135	12"x12"x8" WATER TEE	11.3	14.3	19	30.1	27	103.3
70137	12" WATER GATE VALVE	NUT=12.8	-	19	28.6	27	101.2
70143	12" WATER TOP	10.9	14.6	19	108.0	20	147.3
70146	12" WATER TOP	10.9	13.9	20	51.3	21	34.6
70150	12" WATER TOP	10.8	13.9	20	59.6	21	64.6
70153	12" WATER TOP	11.2	14.7	22	114.9	23	130.5
70156	12" WATER TOP	10.7	14.1	22	28.7	23	66.6
70225	WATER SERVICE (NS)	-	-	22	29.0	23	27.7
70260	WATER SERVICE (NS)	-	-	19	80.9	27	160.0
70261	WATER SERVICE (NS)	-	-	19	83.2	27	162.1
70262	WATER SERVICE (NS)	-	-	19	102.8	27	41.0
70263	WATER SERVICE (NS)	-	-	19	100.4	27	39.7
70264	WATER SERVICE (NS)	-	-	20	33.7	21	16.1
70265	WATER SERVICE (NS)	-	-	20	34.4	21	16.0
70266	WATER SERVICE (NS)	-	-	22	122.7	23	140.2
70267	WATER SERVICE (NS)	-	-	22	124.8	23	142.2

SWING TIE PT	DESCRIPTION
17	STR Q-30
18	STR Q-31
19	MH 6
20	MH 7
21	STR Q-15
22	MH 8
23	LS 1
27	NAIL & DISK

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70131	12" WATER TOP	10.8	14.4	17	146.5	18	152.0
70135	12"x12"x8" WATER TEE	11.3	14.3	19	30.1	27	103.3
70137	12" WATER GATE VALVE	NUT=12.8	-	19	28.6	27	101.2
70143	12" WATER TOP	10.9	14.6	19	108.0	20	147.3
70146	12" WATER TOP	10.9	13.9	20	51.3	21	34.6
70150	12" WATER TOP	10.8	13.9	20	59.6	21	64.6
70153	12" WATER TOP	11.2	14.7	22	114.9	23	130.5
70156	12" WATER TOP	10.7	14.1	22	28.7	23	66.6
70225	WATER SERVICE (NS)	-	-	22	29.0	23	27.7
70260	WATER SERVICE (NS)	-	-	19	80.9	27	160.0
70261	WATER SERVICE (NS)	-	-	19	83.2	27	162.1
70262	WATER SERVICE (NS)	-	-	19	102.8	27	41.0
70263	WATER SERVICE (NS)	-	-	19	100.4	27	39.7
70264	WATER SERVICE (NS)	-	-	20	33.7	21	16.1
70265	WATER SERVICE (NS)	-	-	20	34.4	21	16.0
70266	WATER SERVICE (NS)	-	-	22	122.7	23	140.2
70267	WATER SERVICE (NS)	-	-	22	124.8	23	142.2

**RECORD  
DRAWING**

**APPROVED**  
MAR 24 2020  
RECORD DRAWINGS

ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE \_\_\_\_\_

Digitally signed by Travis J. Fiedderman Reason. This item has been electronically signed and sealed by Travis J. Fiedderman, PE on 3/18/2020 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.

NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS

NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [ ]

NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

AS-BUILT DRAWING

**C**ROSS SURVEYING, L.L.C.


CERTIFICATE OF AUTHORIZATION LB 0007977  
5265 OFFICE PARK BLVD. SUITE 101, BRADENTON, FLORIDA 34203

(B41) 748-8340 (B41) 886-2838 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN IN BRACKETS [ ] UPON THE DESIGN CONSTRUCTION PLANS IS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND WERE COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEYOR AND MAPPER.

DATE OF CERTIFICATION 03-04-2020  
DATE OF FIELD SURVEY 05-16-2019

NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND A SEAL OF FLORIDA LICENSED SURVEYOR AND MAPPER. THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY GERALD D. STROOP, JR., P.S.M.

  
GERALD D. STROOP, JR., P.S.M.  
FLORIDA CERTIFICATE NO. 10788

GERALD D. STROOP, JR., P.S.

255 LF 8" PVC (SDR-26)  
SANITARY SEWER @ 0.42%

28+00		29+00		30+00	
	RECORD DRAWING	11/05/18	AG/JP	ACTIVITY	INITIALS/EMP. NO. DATE
E	REVISED PER COUNTY COMMENTS DATED 02/12/19	02/14/19	RTD/89450	DESIGNED BY:	2018-02
C	REVISED PER CITY COMMENTS DATED 01/02/2019	01/07/19	RSB/115155	DRAWN BY:	2018-02
B	REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP	12/04/18	RSB/115155	CHECKED BY:	
ΔREV NO.	REVISION	DATE	DESIGN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:

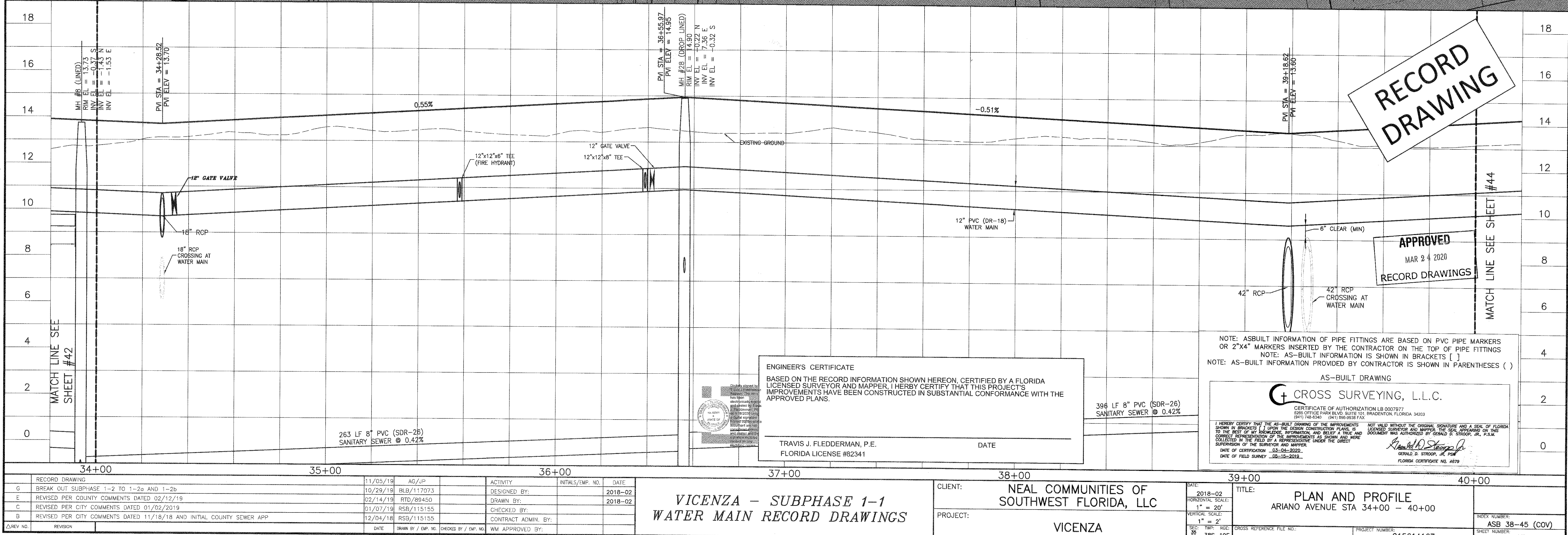
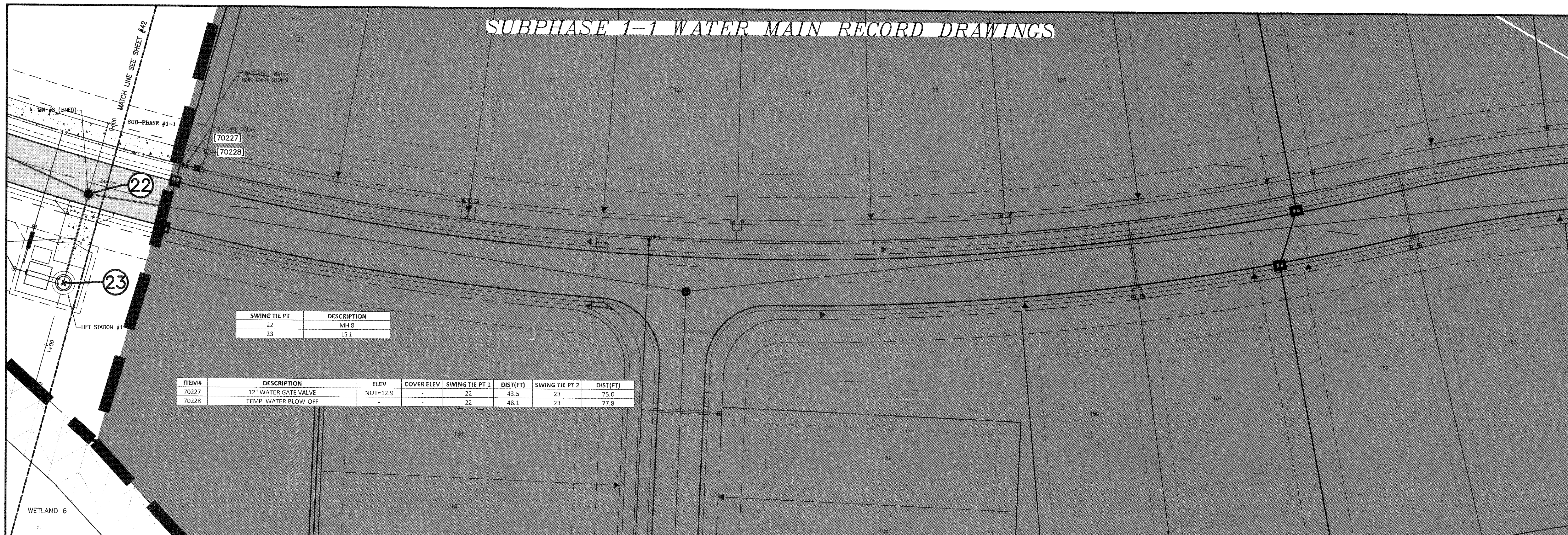
VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS

CLIENT:	NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC
PROJECT:	VICENZA

DATE: 2018-02	TITLE: PLAN AND PROFILE ARIANO AVENUE STA 28+00 - 34+00		INDEX NUMBER: ASB 38-45 (COV)
HORIZONTAL SCALE: 1" = 20'	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 15541102	SHEET NUMBER:
VERTICAL SCALE: 1" = 2'			
SIG.: TWP.: ROE:			

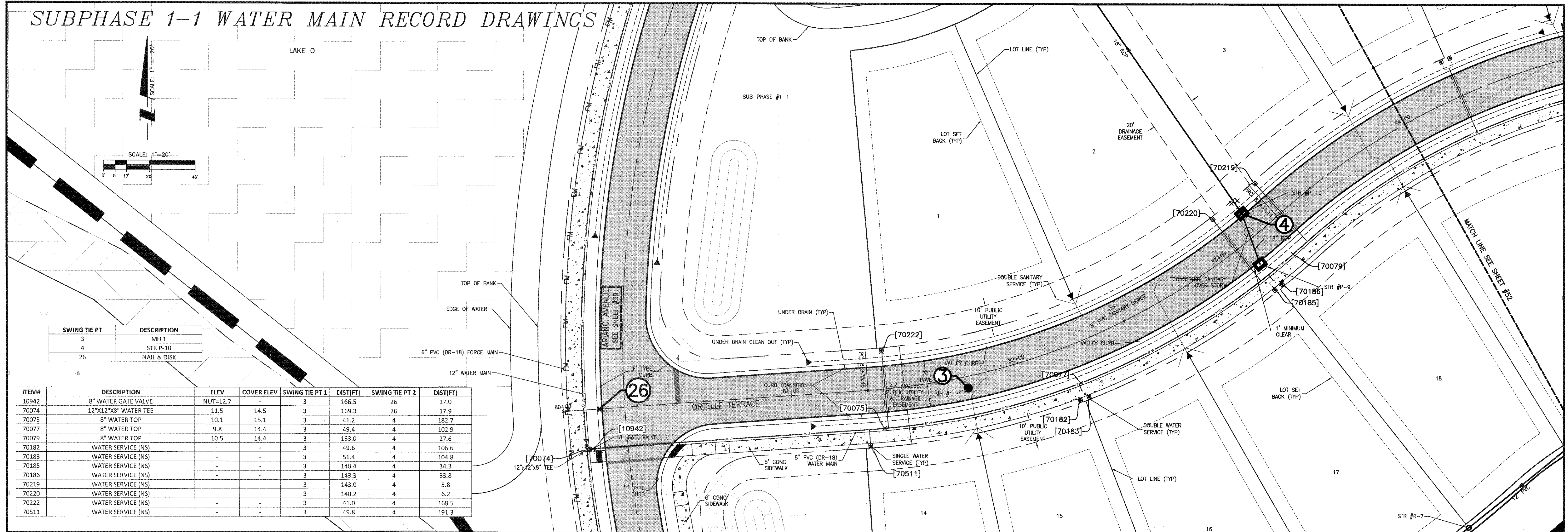


## SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

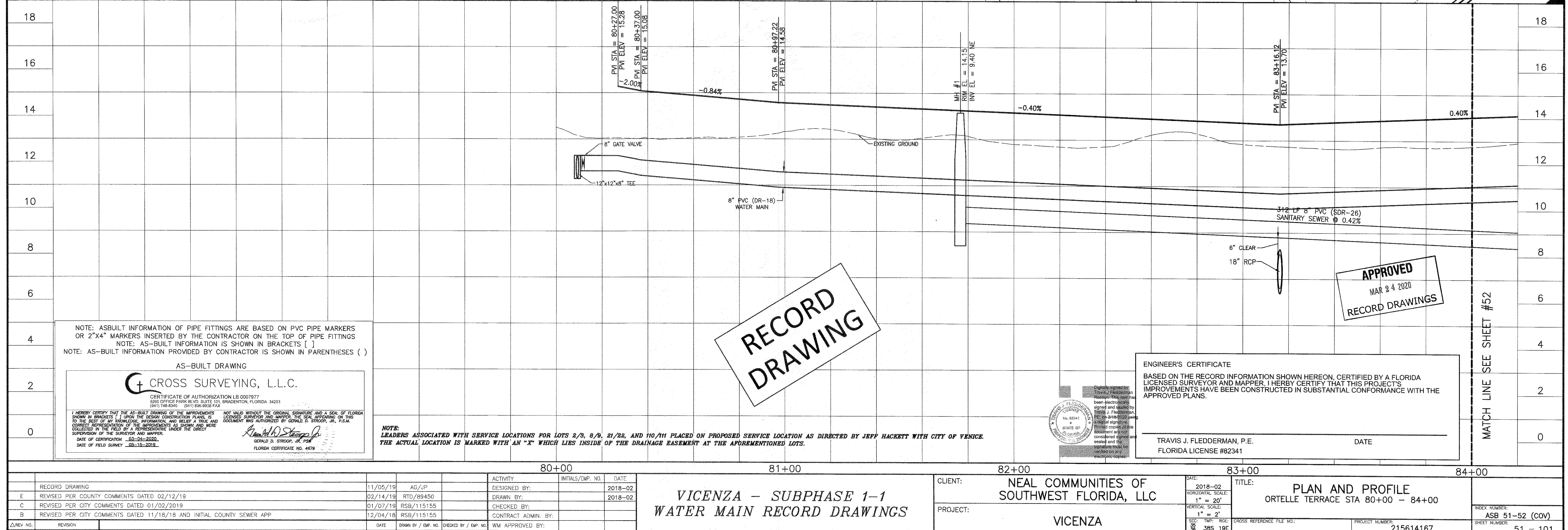




SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

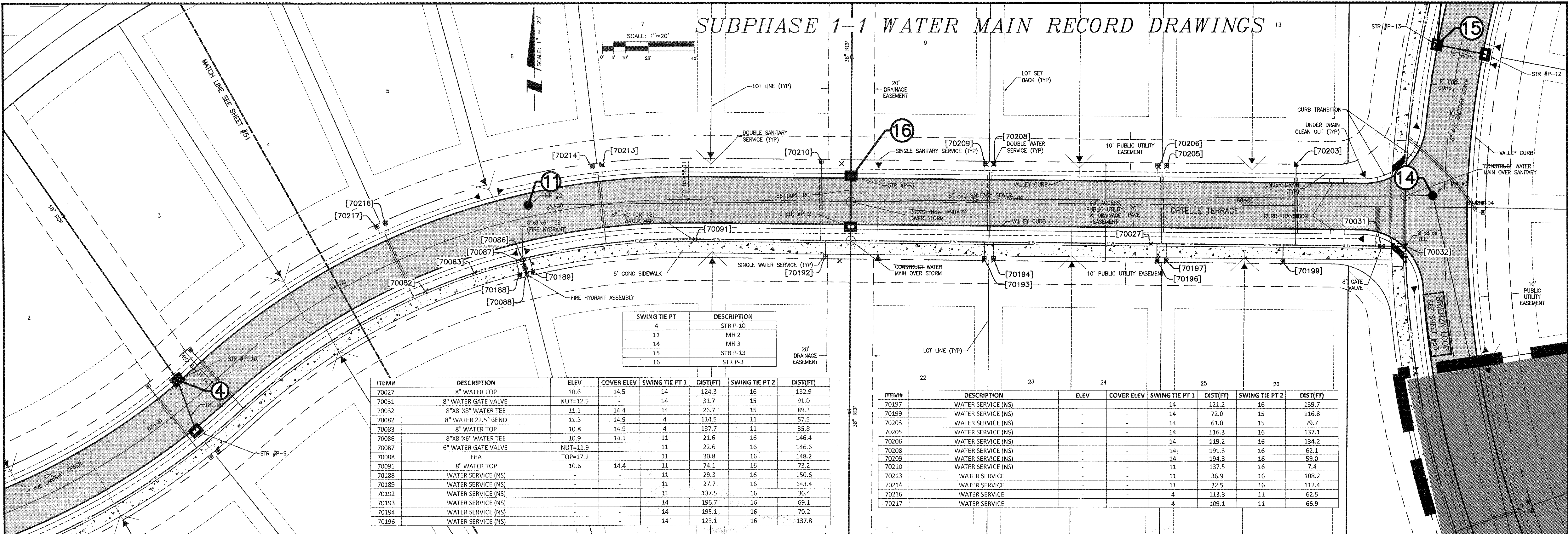


ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
10942	8" WATER GATE VALVE	NUT=12.7	-	3	166.5	26	17.0
70074	12"x12"x8" WATER TEE	11.5	14.5	3	169.3	26	17.9
70075	8" WATER TOP	10.1	15.1	3	41.2	4	182.7
70077	8" WATER TOP	9.8	14.4	3	49.4	4	102.9
70079	8" WATER TOP	10.5	14.4	3	153.0	4	27.6
70182	WATER SERVICE (NS)	-	-	3	49.6	4	106.6
70183	WATER SERVICE (NS)	-	-	3	51.4	4	104.8
70185	WATER SERVICE (NS)	-	-	3	140.4	4	34.3
70186	WATER SERVICE (NS)	-	-	3	143.3	4	33.8
70219	WATER SERVICE (NS)	-	-	3	143.0	4	5.8
70220	WATER SERVICE (NS)	-	-	3	140.2	4	6.2
70222	WATER SERVICE (NS)	-	-	3	41.0	4	168.5
70511	WATER SERVICE (NS)	-	-	3	49.8	4	191.3



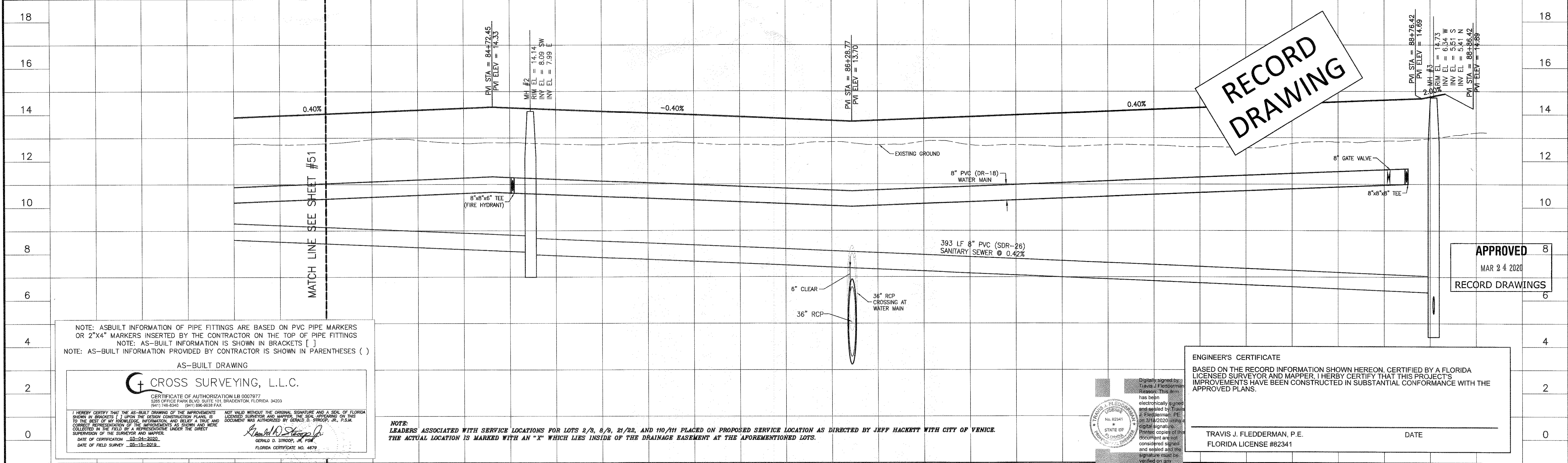


# SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS



ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70027	8" WATER TOP	10.6	14.5	14	124.3	16	132.9
70031	8" WATER GATE VALVE	NUT=12.5	-	14	31.7	15	91.0
70032	8"x8"x8" WATER TEE	11.1	14.4	14	26.7	15	89.3
70082	8" WATER 22.5° BEND	11.3	14.9	4	114.5	11	57.5
70083	8" WATER TOP	10.8	14.9	4	137.7	11	35.8
70086	8"x8"x6" WATER TEE	10.9	14.1	11	21.6	16	146.4
70087	6" WATER GATE VALVE	NUT=11.9	-	11	22.6	16	146.6
70088	FHA	TOP=17.1	-	11	30.8	16	148.2
70091	8" WATER TOP	10.6	14.4	11	74.1	16	73.2
70188	WATER SERVICE (NS)	-	-	11	29.3	16	150.6
70189	WATER SERVICE (NS)	-	-	11	27.7	16	143.4
70192	WATER SERVICE (NS)	-	-	11	137.5	16	36.4
70193	WATER SERVICE (NS)	-	-	14	196.7	16	69.1
70194	WATER SERVICE (NS)	-	-	14	195.1	16	70.2
70196	WATER SERVICE (NS)	-	-	14	123.1	16	137.8

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70197	WATER SERVICE (NS)	-	-	14	121.2	16	139.7
70199	WATER SERVICE (NS)	-	-	14	72.0	15	116.8
70203	WATER SERVICE (NS)	-	-	14	61.0	15	79.7
70205	WATER SERVICE (NS)	-	-	14	116.3	16	137.1
70206	WATER SERVICE (NS)	-	-	14	119.2	16	134.2
70208	WATER SERVICE (NS)	-	-	14	191.3	16	62.1
70209	WATER SERVICE (NS)	-	-	14	194.3	16	59.0
70210	WATER SERVICE (NS)	-	-	11	137.5	16	7.4
70213	WATER SERVICE (NS)	-	-	11	36.9	16	108.2
70214	WATER SERVICE (NS)	-	-	11	32.5	16	112.4
70216	WATER SERVICE (NS)	-	-	4	113.3	11	62.5
70217	WATER SERVICE (NS)	-	-	4	109.1	11	66.9



NOTE: AS-BUILT INFORMATION OF PIPE FITTINGS ARE BASED ON PVC PIPE MARKERS OR 2"x4" MARKERS INSERTED BY THE CONTRACTOR ON THE TOP OF PIPE FITTINGS  
 NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [ ]  
 NOTE: AS-BUILT INFORMATION PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ( )

AS-BUILT DRAWING

**CROSS SURVEYING, L.L.C.**

CERTIFICATE OF AUTHORIZATION LB 0007977  
 5205 OFFICE PARK BLVD, SUITE 101, BRADENTON, FLORIDA 34203  
 (941) 765-0340 (941) 586-0038 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN IN BRACKETS [ ] UPON THE DESIGN CONSTRUCTION PLANS, IS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND WERE COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEYOR AND MAPPER.

DATE OF CERTIFICATION 02-04-2020  
 DATE OF FIELD SURVEY 02-15-2019

GERALD D. STROOP, JR. P.E.  
 FLORIDA CERTIFICATE NO. 4679

NOTE: LEADERS ASSOCIATED WITH SERVICE LOCATIONS FOR LOTS 2/3, 8/9, 21/22, AND 110/111 PLACED ON PROPOSED SERVICE LOCATION AS DIRECTED BY JEFF HACKETT WITH CITY OF VENICE.  
 THE ACTUAL LOCATION IS MARKED WITH AN "X" WHICH LIES INSIDE OF THE DRAINAGE EASEMENT AT THE AFOREMENTIONED LOTS.

ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
 FLORIDA LICENSE #82341

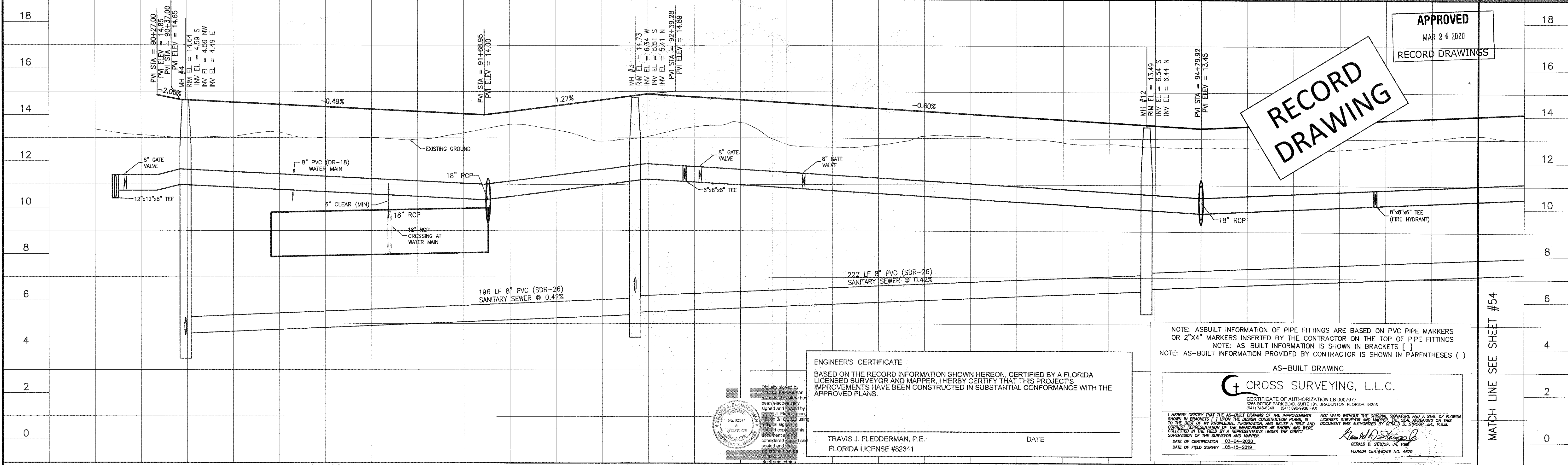
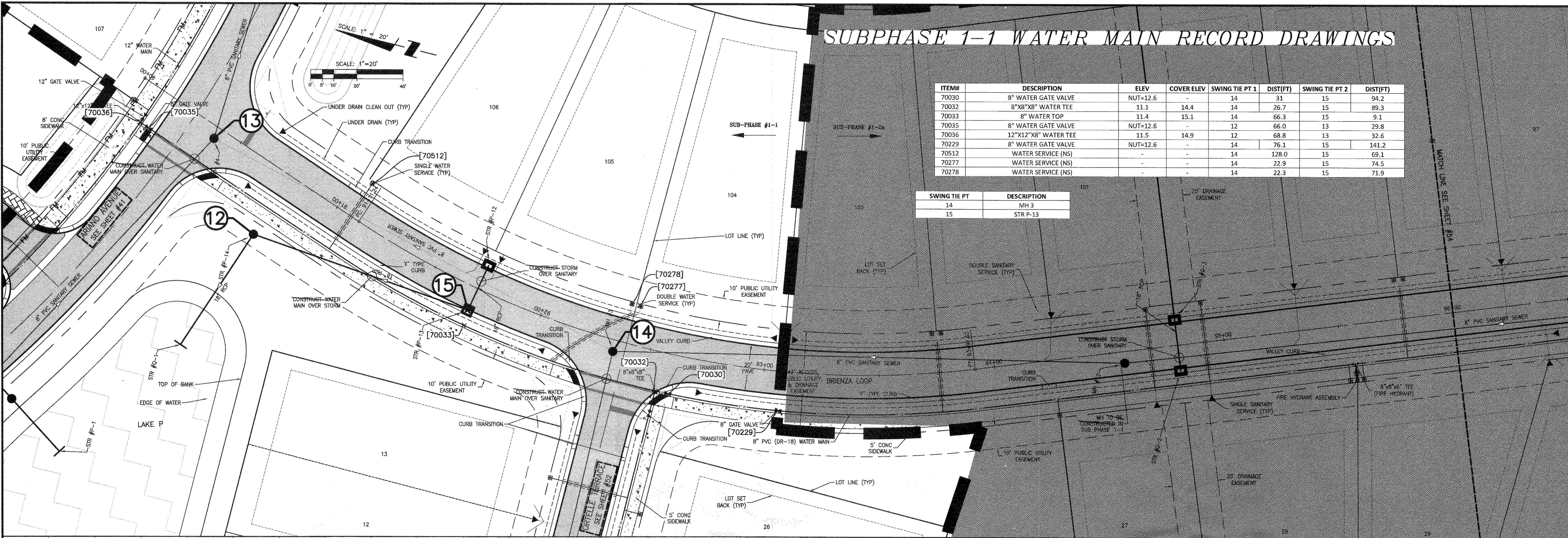
DATE



SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70030	8" WATER GATE VALVE	NUT=12.6	-	14	31	15	94.2
70032	8"x8"x8" WATER TEE	11.1	14.4	14	26.7	15	89.3
70033	8" WATER TOP	11.4	15.1	14	66.3	15	9.1
70035	8" WATER GATE VALVE	NUT=12.6	-	12	66.0	13	29.8
70036	12"x12"x8" WATER TEE	11.5	14.9	12	68.8	13	32.6
70229	8" WATER GATE VALVE	NUT=12.6	-	14	76.1	15	141.2
70512	WATER SERVICE (NS)	-	-	14	128.0	15	69.1
70277	WATER SERVICE (NS)	-	-	14	22.9	15	74.5
70278	WATER SERVICE (NS)	-	-	14	22.3	15	71.9

SWING TIE PT	DESCRIPTION
14	MH 3
15	STR P-13



H	RECORD DRAWING	11/05/19	AG/JP	ACTIVITY	INITIALS/EMP. NO.	DATE
G	BREAK OUT SUBPHASE 1-2 TO 1-2a AND 1-2b	10/29/19	BLB/117073	DESIGNED BY:		2018-02
E	REVISED PER COUNTY COMMENTS DATED 02/12/19	02/14/19	RTD/89450	DRAWN BY:		2018-02
C	REVISED PER CITY COMMENTS DATED 01/02/2019	01/07/19	RSB/115155	CHECKED BY:		
B	REVISED PER CITY COMMENTS DATED 11/18/18 AND INITIAL COUNTY SEWER APP	12/04/18	RSB/115155	CONTRACT ADMIN. BY:		
Δ/REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	

VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS

CLIENT: NEAL COMMUNITIES OF  
SOUTHWEST FLORIDA, LLC

PROJECT: VICENZA

TITLE: PLAN AND PROFILE  
TRACINO LOOP STA 90+00 - 96+00

INDEX NUMBER: ASB 53-56 (COV)

SHEET NUMBER: 53 OF 101




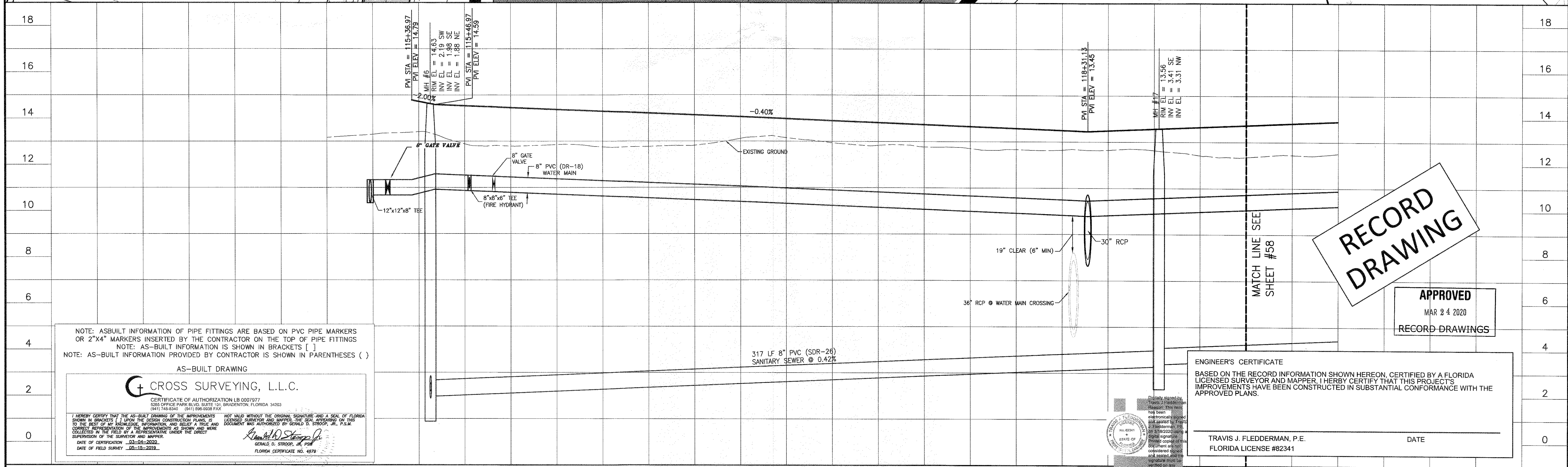
**SUBPHASE 1-1 WATER MAIN RECORD DRAWINGS**

SCALE: 1"=20'

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70136	8" WATER GATE VALVE	NUT=12.5	-	19	27.5	27	103.2
70139	8"x8"x6" WATER TEE	11.3	15.1	19	28.9	27	104.7
70231	FHA	TOP=17.2	-	19	33.9	27	111.8
70233	6" WATER GATE VALVE	NUT=12.4	-	19	29.6	27	105.8
70505	8" WATER GATE VALVE	NUT=12.5	-	19	34.0	27	106.5

WETLAND 3

ITEM#	DESCRIPTION	ELEV	COVER ELEV	SWING TIE PT 1	DIST(FT)	SWING TIE PT 2	DIST(FT)
70136	8" WATER GATE VALVE	NUT=12.5	-	19	27.5	27	103.2
70139	8"x8"x6" WATER TEE	11.3	15.1	19	28.9	27	104.7
70231	FHA	TOP=17.2	-	19	33.9	27	111.8
70233	6" WATER GATE VALVE	NUT=12.4	-	19	29.6	27	105.8
70505	8" WATER GATE VALVE	NUT=12.5	-	19	34.0	27	106.5



**RECORD  
DRAWING**

**APPROVED**  
MAR 24 2020  
**RECORD DRAWINGS**

ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE \_\_\_\_\_

VICENZA - SUBPHASE 1-1  
WATER MAIN RECORD DRAWINGS

CLIENT:	NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC
PROJECT:	VICENZA

DATE:	2018-02	TITLE:	PLAN AND PROFILE
HORIZONTAL SCALE:	1" = 20'	SAREZZO CIRCLE STA 115+00 - 119+00	

INDEX NUMBER:  
ASB 57-58 (COV)  
SHEET NUMBER:



## TRENCH NOTES:

- WHERE WATER, REUSE AND/OR SEWER MAINS CROSS WITH LESS THAN EIGHTEEN INCHES (18") VERTICAL CLEARANCE, ONE OF THE FOLLOWING METHODS OF PROTECTION SHALL BE UTILIZED:
  - WHERE A CONFLICT ARISES WITH AN EXISTING SEWER OR REUSE MAIN, THE PROPOSED WATER MAIN SHALL BE A MINIMUM OF TWENTY FEET (20') OF AWWA C-900 DR-14 PVC OR CL-51 D.I.P. CENTERED ON THE POINT OF CROSSING.
  - WHERE A CONFLICT ARISES WITH AN EXISTING WATER OR REUSE MAIN, THE PROPOSED SEWER MAIN SHALL BE A MINIMUM OF TWENTY FEET (20') OF AWWA C-900 DR-14 PVC, CENTERED ON THE POINT OF CROSSING.
  - WHERE A CONFLICT ARISES WITH PROPOSED WATER, REUSE AND/OR SEWER MAINS, THE WATER AND REUSE MAIN SHALL BE A MINIMUM OF TWENTY FEET (20') OF AWWA C-900 DR-14 PVC, OR CL-51 D.I.P., WHILE THE SEWER MAIN SHALL BE A MINIMUM OF TWENTY FEET (20') OF AWWA C-900 DR-14 PVC, CENTERED ON THE POINT OF CROSSING.
- WHEN A WATER MAIN PARALLELS A WASTEWATER LINE, A HORIZONTAL SEPARATION OF AT LEAST TEN FEET (10') FROM OUTSIDE EDGE TO OUTSIDE EDGE, SHOULD BE MAINTAINED. WHEN SEPARATED BY LESS THAN 10 FEET (10') HORIZONTALLY, THE WATER MAIN SHALL BE AWWA C-900 DR-14 PVC, OR CLASS-51 D.I.P. AND SEWER LINES SHALL BE AWWA C-900 DR-14 PVC. JOINTS SHALL BE STAGGERED TO MAXIMIZE JOINT SEPARATION.
- WHEN A WATER MAIN OR WASTEWATER LINE PARALLELS A REUSE MAIN, A HORIZONTAL SEPARATION OF AT LEAST FIVE FEET (5') CENTER OF PIPE TO CENTER OF PIPE, SHOULD BE MAINTAINED. IN NO CASE SHALL THE HORIZONTAL SEPARATION BE LESS THAN THREE FEET (3') FROM OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE.
- TRENCH SHALL BE BRACED OR SHORED IN ACCORDANCE WITH THE "FLORIDA TRENCH & SAFETY ACT".
- WIDTH OF TRENCH BOTTOM SHALL BE OUTSIDE DIAMETER OF PIPE PLUS TWELVE INCHES (12") EACH SIDE, MAXIMUM.
- CONTRACTOR SHALL PLACE METALLIC BURIAL IDENTIFICATION TAPE DIRECTLY ABOVE WATER MAIN IN CONFORMANCE WITH COUNTY CODE.
- ALL WELL POINT HOLES SHALL BE FILLED WITH COARSE SAND OR OTHER SATISFACTORY GRANULAR MATERIAL AT TIME WELL POINTS ARE PULLED.
- DISCHARGE FROM DE-WATERING OPERATION SHALL BE DISPOSED OF IN SUCH A MANNER THAT IT SHALL NOT INTERFERE WITH THE NORMAL DRAINAGE OF THE AREA IN WHICH THE WORK IS BEING PERFORMED, CREATE A PUBLIC NUISANCE OR FORM PONDING. THE OPERATIONS SHALL NOT CAUSE INJURY TO ANY PORTION OF THE WORK COMPLETED, OR IN PROGRESS, OR TO THE SURFACE OF STREETS, OR TO PRIVATE PROPERTY.
- THE PROPOSED DE-WATERING METHOD(S) AND SCHEDULE SHALL BE COORDINATED WITH THE UTILITY AND/OR THE ENGINEER OF RECORD AND OTHER NECESSARY REGULATORY AGENCIES PRIOR TO CONSTRUCTION. ADDITIONALLY, WHERE PRIVATE PROPERTY SHALL BE INVOLVED, ADVANCE PERMISSION SHALL BE OBTAINED BY THE CONTRACTOR AND/OR DEVELOPER.
- THE CONTRACTOR SHALL PROVIDE SOIL COMPACTION TESTING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF THE SPECIFICATIONS DO NOT ADDRESS COMPACTION TESTS, THEY SHALL BE DONE IN ACCORDANCE WITH CITY OF VENICE UNIFORM WATER AND WASTEWATER SYSTEM AND REUSE CODE, LATEST EDITION. ALL SOIL COMPACTION TESTS RESULTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD.
- ALL CONSTRUCTION SHALL ADHERE TO CITY OF VENICE STANDARD DETAILS.
- ALL SANITARY SEWER / FORCE MAIN CONSTRUCTION SHALL ADHERE TO SARASOTA COUNTY DETAILS.

**RECORD  
DRAWING**

THE FOLLOWING TABLES SHOULD BE USED TO DETERMINE THE LENGTH OF PIPE IN FEET FROM EACH BEND, TEE, REDUCER, VALVE, DEAD END OR FITTING THAT SHALL BE RESTRAINED. CALCULATIONS ARE BASED ON EBAA IRON SALES, INC. RESTRAINT LENGTH CALCULATOR V7.1.2. THE DESIGN CRITERIA FOR THESE CALCULATIONS ARE AS FOLLOWS:

TRENCH CONDITION (ANSI/AWWA C150/A21.50)	4
SOIL CLASSIFICATION (ASTM STANDARD D2487)	SM
DEPTH OF COVER (FT.)	3
DESIGN PRESSURE (PSI)	150
SAFETY FACTOR	3
TYPICAL PIPE LENGTH (FT.)	20

- NOTES: 1. VERTICAL OFFSET CALCULATIONS ASSUME 3FT. OF COVER ON BOTH THE UPPER & LOWER SIDES OF VERTICAL OFFSET.
2. WHEN TEE BRANCH SIZE IS LARGER THAN THE RUN SIZE, REFER TO EBAA IRON, INC. CALCULATIONS FOR ADDITIONAL RESTRAINT REQUIRED UNLESS INDICATED.
3. RESTRAIN ONE FULL LENGTH (20') OF PIPE MINIMUM, ON EACH SIDE OF ALL FITTINGS REGARDLESS OF THE VALUES INDICATED IN THESE TABLES.

NOMINAL DIAMETER (IN.)	RESTRAINED LENGTH IN FEET				
	90°	45°	22 1/2°	1 1/4°	IN-LINE VALVE OR DEAD END
4	20	20	20	20	52
6	27	20	20	20	74
8	35	20	20	20	96
10	42	20	20	20	115
12	49	20	20	20	136

NOMINAL DIAMETER (IN.)	RESTRAINED LENGTH IN FEET				
	45°	22 1/2°	1 1/4°	UPPER	LOWER
4	22	20	20	20	20
6	31	20	20	20	20
8	40	20	20	20	20
10	48	20	23	20	20
12	57	20	27	20	20

NOMINAL DIAMETER (IN.)	TEE BRANCH SIZE	BRANCH RESTRAINED LENGTH IN FEET
4	4	52
6	4	74
8	6	96
10	8	115
12	10	136

REDUCER		RESTRAINED LENGTH IN FEET	
LARGE	SMALL	LARGE	SMALL
6	4	38	20
8	4	69	20
8	6	41	20
10	4	94	20
10	6	71	20
10	8	39	20
12	4	118	20
12	6	99	20
12	8	72	20
12	10	40	20



# WATER DISTRIBUTION GENERAL:

THE FOLLOWING NOTES ARE INTENDED AS A SUPPLEMENT TO THE PROJECT SPECIFICATIONS AND ARE NOT INTENDED TO SUPERSEDE THE PROJECT SPECIFICATIONS. IT IS ASSUMED THE IRRIGATION MAINS ARE OR WILL CONVEY REUSE WATERS.

- THE CONTRACTOR SHALL INVESTIGATE AND VERIFY OR HAVE VERIFIED THE LOCATION OF UTILITIES BEFORE STARTING WORK. HE SHALL BE LIABLE FOR ANY EXPENSE RESULTING FROM DAMAGE TO SAME. ANY CONFLICTS WITH EXISTING UTILITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF VENICE UTILITIES DEPARTMENT, UTILITY COMPANIES AND THE ENGINEER 48 HOURS PRIOR TO ANY WORK AT SITE. WATER MAIN TIE-INS REQUIRING WATER SERVICE TO BE SHUT OFF SHALL BE MADE WHEN REQUIRED BY CITY OF VENICE UTILITIES.
- WATER MAIN INSTALLATION SHALL BE CONSTRUCTED WITH A MINIMUM OF 3 FEET OF COVER BELOW PROPOSED GRADE OR TO THE ELEVATIONS AND DEPTHS AS INDICATED ON THE PLANS WITHIN 0.25 FT. COST TO RELAY MAIN, IF NECESSARY, SHALL BE BORNE BY THE CONTRACTOR.
- ALL DISTURBED AREAS IN EXISTING LAWNS SHALL BE REPLACED WITH SOD EQUAL TO OR BETTER THAN EXISTING AND OF THE SAME TYPE. SWALE SLOPES AND BOTTOM SHALL BE SODDED TO ELIMINATE EROSION. RESTORATION DUE TO EROSION OCCURRING PRIOR TO GRASS ROOTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL WATER AS NECESSARY ALL SODDED AREAS UNTIL GRASS ROOTS.
- DUE TO THE PROXIMITY OF EXISTING DRAINAGE STRUCTURES, ROADWAY PAVEMENT, GOLF CART PATHS, CURBS, CULVERTS, RESIDENTIAL STRUCTURES, MAIL BOXES, ETC., THE CONTRACTOR SHALL USE EXCAVATING METHODS WHICH SHALL PREVENT ANY DAMAGE TO SAME UNLESS REMOVAL IS REQUIRED. THE COST OF ANY DAMAGE AND THE REPLACEMENT OF ALL PRIVATE PROPERTY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE BORNE BY THE CONTRACTOR.
- ALL EXISTING SALVAGEABLE PIPE FITTINGS, ETC. SHALL REMAIN THE PROPERTY OF THE OWNER AND BE STORED ON SITE AT THE DIRECTION OF THE ENGINEER.
- ALL PVC WATER MAINS SHALL BE BLUE IN COLOR. COLOR CODED PLASTIC COATED METAL TAPE 3" WIDE WITH THE WORD "WATER MAIN" SHALL BE PLACED 18 INCHES BELOW FINISHED GROUND AND ABOVE D.I.P. AND PVC WATER MAIN. ALSO ATTACH A COLOR-CODED CONTINUOUS NUMBER 12 INSULATED WIRE ON TOP OF THE PIPE AND AS INDICATED ON THE DETAILS FOR VALVES, HYDRANTS, BLOWOFFS, ETC. THE COST FOR COLOR TAPE AND COPPER TRACING WIRE SHALL BE INCLUDED IN THE WATER MAIN UNIT PRICES.
- THE CONTRACTOR SHALL COORDINATE HOLDING OF POLES WITH UTILITY COMPANIES IN ADVANCE SO UNNECESSARY DELAYS OF PROJECT SHALL NOT BE INCURRED. THE COST FOR THE HOLDING OF THE POWER POLES SHALL BE INCLUDED IN THE WATER MAIN UNIT COST ITEMS CONTAINED IN THE PROPOSAL.
- ALL CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF CITY OF VENICE ORDINANCE #99-058 AND #99-063 (UNIFORM WATER, WASTEWATER, & REUSE SYSTEM CODE). LATEST REVISION, AND EXCEED THE REQUIREMENTS OF THAT ORDINANCE WHERE INDICATED ON THESE CONSTRUCTION DRAWINGS OR IN THE PROJECT SPECIFICATIONS.
- WATER TO GO OVER STORM AND SANITARY UNLESS SPECIFICALLY NOTED IN PLANS. WATER SERVICES TO MAINTAIN 1' CLEAR OF ALL UTILITIES (SEE DETAIL W-8 FOR SERVICE COVER REQUIREMENT).
- RESTORATION OF ALL EXISTING ROADWAYS TO CITY OF VENICE STANDARDS AND THE REPLACEMENT OF EXISTING CULVERTS AND DRIVEWAYS ETC., SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE WATER MAIN ITEMS.
- CONNECTIONS TO EXISTING WATER LINES WILL NOT BE PERMITTED UNTIL ALL NEW WATER LINES HAVE SUCCESSFULLY COMPLETED ALL PRESSURE AND BACTERIOLOGICAL TESTING AND CLEARANCE HAS BEEN GRANTED BY FDOT IF TURNED OVER TO THE CITY, OR COORDINATED WITH THE WOODS DEVELOPMENT IF PRIOR TO CITY TURNOVER.
- THE CONTRACTOR SHALL NOTIFY CITY OF VENICE UTILITIES DEPARTMENT OR THE PRIVATE UTILITY REGARDING THE DISPOSITION OF ANY FITTINGS, ETC., THAT ARE TO BE REMOVED.
- THE CONTRACTOR SHALL PROVIDE AND UTILIZE A METERED JUMPER ASSEMBLY BETWEEN THE EXISTING POTABLE WATER SOURCE PIPING AND THE NEW WATER MAIN IN ORDER TO PROVIDE BACKFLOW PREVENTION WHILE FILLING AND FLUSHING THE NEW WATER MAIN. FINAL TIE-IN SHALL BE COMPLETED ONLY AFTER THE NEW SYSTEM HAS BEEN FLUSHED CLEAN, PRESSURE TESTED, DISINFECTED, BACTERIOLOGICALLY CLEARED, CERTIFIED COMPLETE BY THE ENGINEER, AND A RELEASE IS OBTAINED FROM THE HEALTH DEPARTMENT. ENGINEER'S REPRESENTATIVE TO BE PRESENT AT FINAL TIE-IN. THE LENGTH OF PIPE REQUIRED FOR FINAL TIE-IN SHALL BE LIMITED TO LESS THAN 20 FEET. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH HEALTH DEPARTMENT AND LOCAL GOVERNMENT RULES AND REGULATIONS.
- ALL CONSTRUCTION SHALL ADHERE TO CITY OF VENICE STANDARD DETAILS

## SERVICE DETAILS:

- ALL METER BOXES HAVE BEEN CALCULATED FOR LOCATION AND SHALL BE STAKED ACCORDINGLY IN THE FIELD. BOXES FOUND NOT CONSTRUCTED TO THE PROPOSED LOCATION SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE. THOSE BOXES SHOWN IN CLUSTERS SHALL BE PLACED IN A NEAT ROW AND AGAINST EACH OTHER.
- ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS ESTABLISHED IN THE FIELD. NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE OWNER.
- FIRE HYDRANTS SHALL BE CONSTRUCTED WITH "GROUND LINE" SET TO FINISHED GRADES AS ESTABLISHED IN THE FIELD. NORMAL BURY IS 3 FEET OF COVER FOR WATER LINES. IF EXTENSIONS ARE REQUIRED, THE COST SHALL BE INCLUDED IN THE PRICE BID.
- AIR RELEASE TAPS SHALL BE INSTALLED IN WATER MAINS AT HIGH POINTS WHERE REQUIRED. THESE LOCATIONS SHALL BE LOCATED ON THE RECORD DRAWINGS.
- 2 INCHES OR SMALLER DIAMETER SERVICES SHALL INCLUDE THE SERVICE SADDLE, CORPORATION STOP, VARIABLE LENGTH P.E. 3406 - A.S.T.M. 2737 COPPER TUBE SIZE SERVICE PIPE, CURB STOP AND METER BOX OF THE SIZE FOR METER INDICATED.
- VERTICAL CLEARANCE BETWEEN WATER AND STORM/ REUSE/ WASTEWATER LINES SHALL BE 18 INCHES MINIMUM.
- A "W" OR "V" SHALL BE STAMPED INTO CURB WHERE WATER SERVICE OR WATER VALVE IS LOCATED IN ACCORDANCE WITH COUNTY CODE. A MEASUREMENT FROM EDGE OF CURB TAKEN BY THE CONTRACTOR, SHALL BE SHOWN ON THE RECORD PLANS FOR REFERENCE IN LOCATING THE SERVICE OR THE VALVE.

## AS-BUILTS:

- THE CONTRACTOR SHALL LOCATE VALVES, SERVICES, HYDRANTS, AIR RELEASE VALVES, ETC. BY USING A TWO (2) POINT SINGING MEASUREMENT FROM PERMANENT PHYSICAL FEATURES THAT CAN READILY BE FOUND ON THE DRAWING AND IN THE FIELD. THESE MEASUREMENTS SHALL BE SHOWN ON THE "AS-BUILT" DRAWING BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER AT EACH PARTIAL PAYMENT APPLICATION FOR PERMANENT RECORDING.
- THE CONTRACTOR SHALL FURNISH "AS-BUILT" TOP OF PIPE ELEVATIONS OF ALL WATER MAINS EVERY 100', ALL FITTINGS AND ALL CHANGES IN GRADE.
- RECORD DRAWINGS, IF PREPARED BY THE CONTRACTOR OR CONTRACTORS SURVEYOR, DRAFT COPIES OF THE RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINALIZING THE DRAWINGS. ONCE ACCEPTABLE TO THE ENGINEER, THE CONTRACTOR/SURVEYOR WILL PROVIDE 9 SETS OF SIGNED AND SEALED FINALIZED DRAWINGS WITHIN 7 DAYS OF BACTERIOLOGICAL CLEARANCE TESTING FOR SUBMITTAL TO THE COUNTY. ONCE THE DRAWINGS ARE APPROVED BY THE COUNTY, CONTRACTOR/SURVEYOR IS RESPONSIBLE TO PROVIDE THE ENGINEER OF RECORD ONE SET OF MYLARS AND A DIGITAL COPY OF RECORD DRAWINGS IN ACD 14 FORMAT. RECORD INFORMATION SHALL BE ON UNIQUE LAYER(S), USING TEXT SHAPE FILE, THAT COMES WITH STANDARD ACD

## JOINT RESTRAINING:

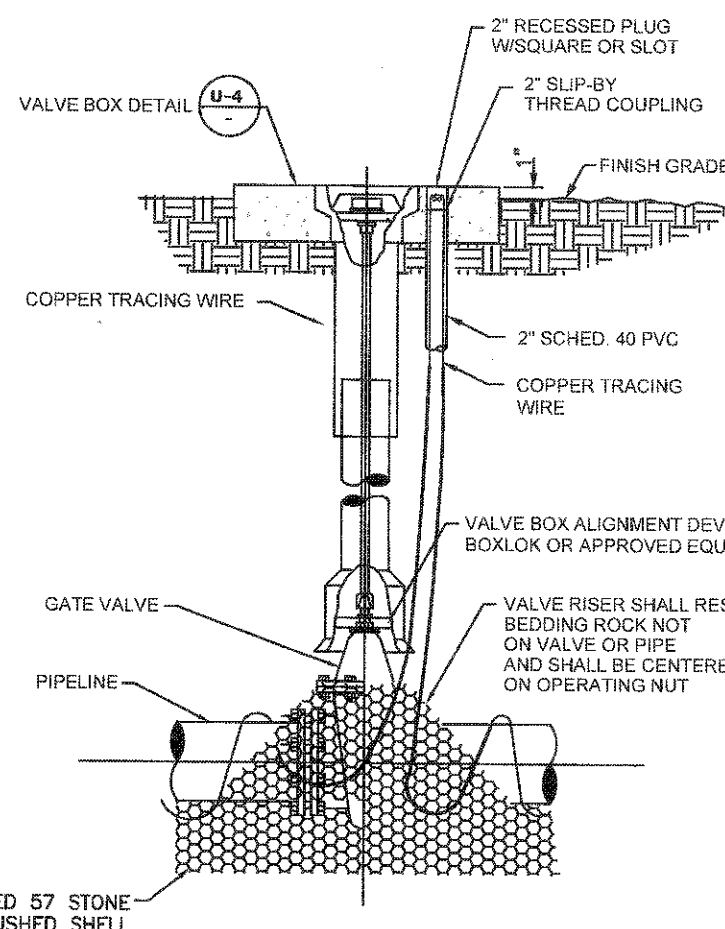
- THE CONTRACTOR SHALL PROVIDE ALL JOINT RESTRAINING AS REQUIRED. SEE RESTRAINED JOINT TABLES.
- DESIGN CRITERIA: 150 P.S.I. TEST PRESSURE TIMES 2 SAFETY FACTOR (300 P.S.I.) FOR WATER HAMMER WITH ASSUMED SOIL BEARING CAPACITY OF 1000 LBS. PER SQUARE FOOT.
- COMPLETELY COAT EXPOSED TIE-BARS OR OTHER UNCOATED STEEL AFTER INSTALLATION WITH TWO COATS OF PORTER TARGET MARK-BUILD #7080 AT 8 MILS D.F.T. EACH (COAT) USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

## ENGINEER'S CERTIFICATE

BASED ON THE RECORD INFORMATION SHOWN HEREON, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, I HERBY CERTIFY THAT THIS PROJECT'S IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

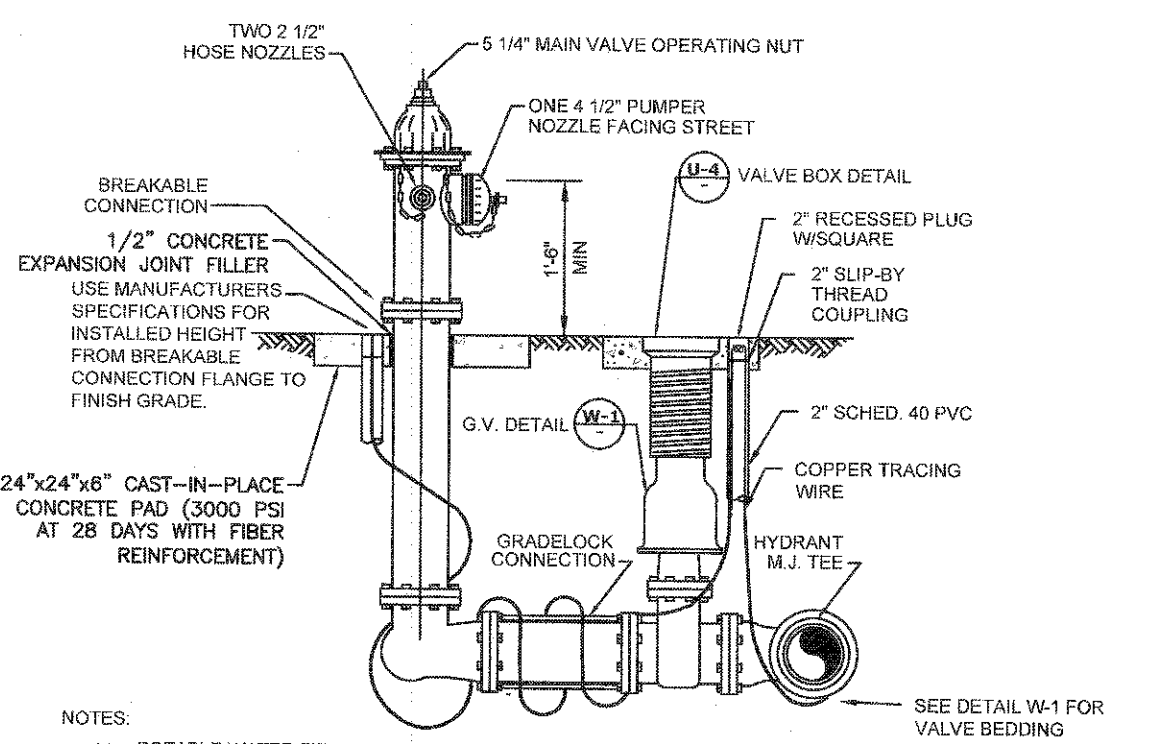
TRAVIS J. FLEDDERMAN, P.E.  
FLORIDA LICENSE #82341

DATE



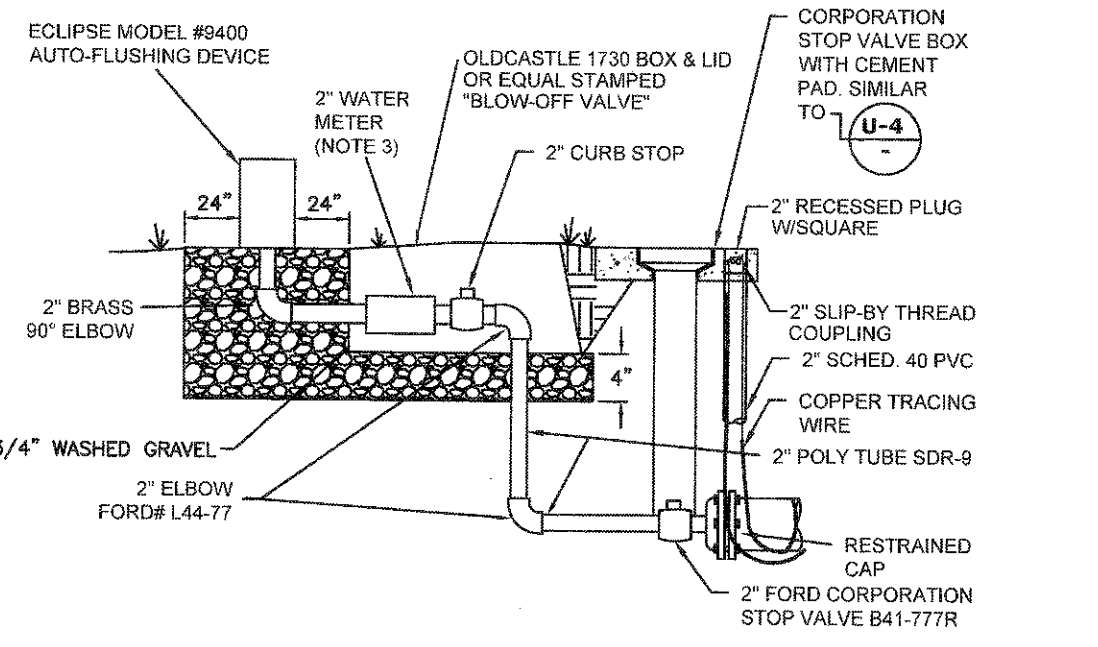
- GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER, AMERICAN VALVE, OR EQUAL. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED INTERIOR AND EXTERIOR (MEET ANSI/AWWA C900, AND BE NSF61 CERTIFIED).
- FOR VALVES LARGER THAN 12" IN USE BUTTERFLY STYLE VALVE.
- VALVE SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- COPPERHEAD TRACING WIRE PART #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
- FOR CURBED ROADWAYS, CURB SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
- ALL BOLTS AND HARDWARE SHALL BE 316 SS (WHEN AVAILABLE).

**GATE VALVE DETAIL**  
(WATER AND REUSE ONLY)  
N.T.S.



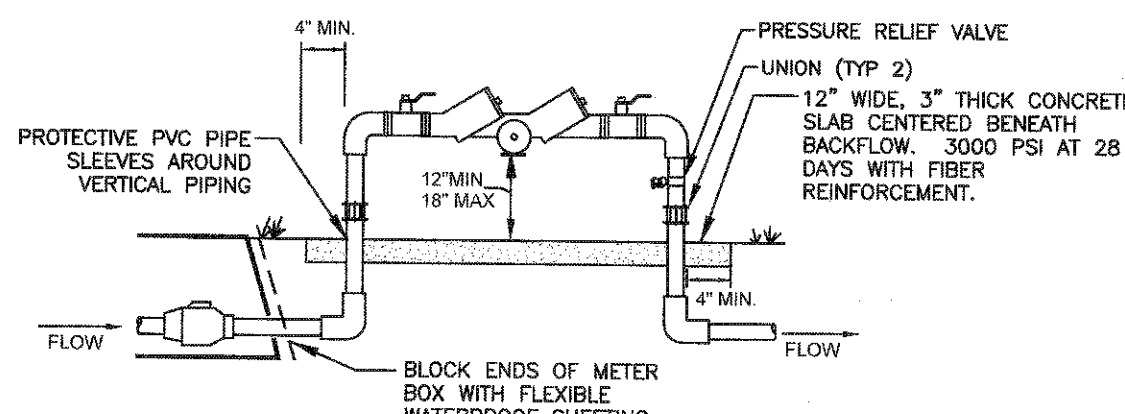
- POTABLE WATER FIRE HYDRANTS SHALL BE PAINTED "SAFETY YELLOW".
- REUSE FIRE HYDRANTS SHALL BE PAINTED PANTONE PURPLE 622C AND TAGGED WITH A PERMANENT LABEL "RECLAIMED WATER-DO NOT DRINK".
- HYDRANT SHALL BE MUELLER SUPER CENTURION MODEL A423, AMERICAN B484V WITH BREAK-AWAY FEATURE. ALL BOLTS SHALL BE SS (BONNET, SAFETY FLANGE, SHOULDER).
- 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 SODDED IN 8" 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 ECLIPSE MODEL #9400.
- CONTRACTOR SHALL PROVIDE 2" BADGER MODEL-170 R.R. METER, HRE REGISTER, ORION WESE ENDPOINT.
- COPPERHEAD TRACING WIRE PART #12 AWG OR EQUAL SHALL BE USED.

**AUTOMATIC FLUSHING DEVICE DETAIL**  
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 1015.
- 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 UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY OF VENICE UTILITIES DIRECTOR.
- NO BRANCH OR TEE CONNECTIONS SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
- ALL METER 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.

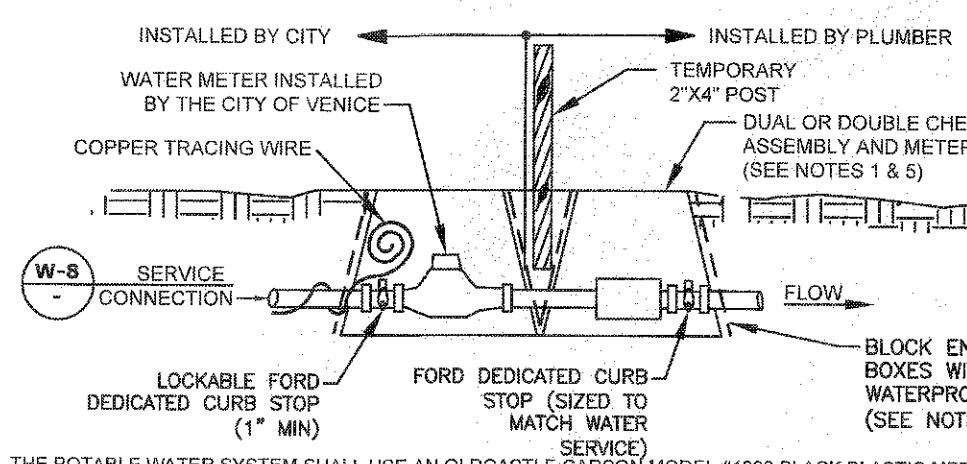
CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>GATE VALVE</b>	SHEET NO. <b>W-1</b>

CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>FIRE HYDRANT ASSEMBLY</b>	SHEET NO. <b>W-2</b>

CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>AUTOMATIC FLUSHING DEVICE</b>	SHEET NO. <b>W-3</b>

CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>BACKFLOW ASSEMBLY (NO MASTER METER)</b>	SHEET NO. <b>W-5</b>

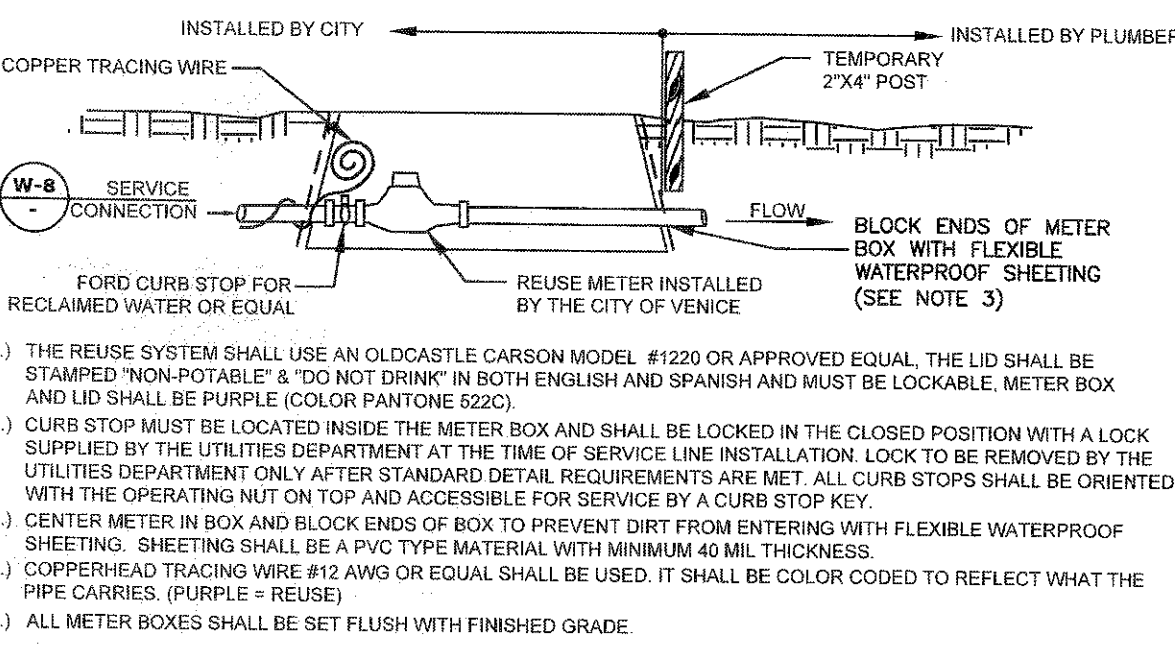
**RECORD  
DRAWING**



- 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 OR DOUBLE CHECK ASSEMBLY WHEN REQUIRED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM, SHALL BE INSTALLED BY A PLUMBER IN A SEPARATE BOX IMMEDIATELY AFTER THE WATER METER BOX. TEST PORTS SHALL BE PLUGGED WITH NON-METALLIC OR PLASTIC PLUGS.
- 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 OR DOUBLE CHECK ASSEMBLY SHALL BE PE WATER SERVICE POLYTUBING.

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

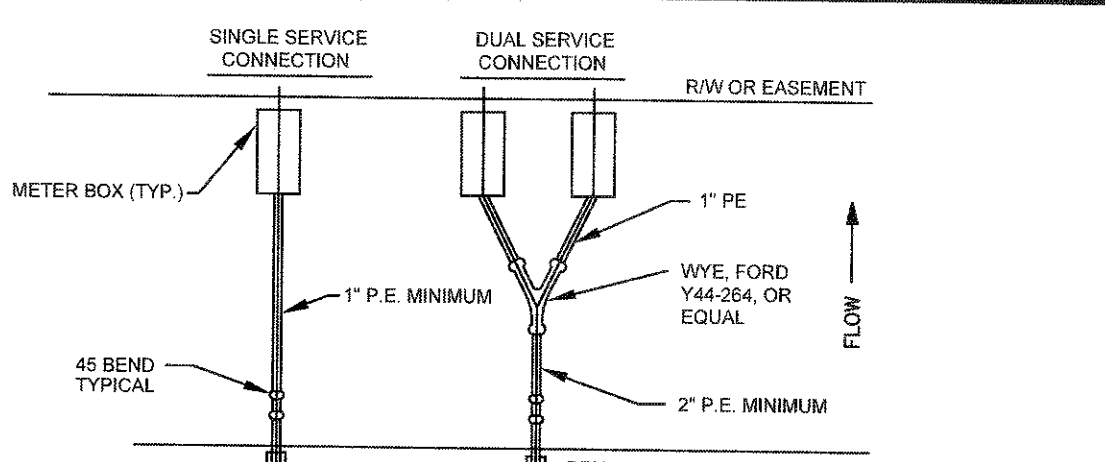
CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>RESIDENTIAL WATER &amp; FIRE METER</b>	SHEET NO. <b>W-6</b>



- THE REUSE SYSTEM SHALL USE AN OLDCASTLE CARBON MODEL #1220 OR APPROVED EQUAL. THE LID SHALL BE STAMPED "NON-POTABLE" & "DO NOT DRINK" IN BOTH ENGLISH AND SPANISH AND MUST BE LOCKABLE. METER BOX AND LID SHALL BE PURPLE (COLOR PANTONE 622C).
- CURB STOP MUST BE LOCATED INSIDE THE METER 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. ALL CURB STOPS SHALL BE ORIENTED WITH THE OPERATING NUT ON TOP AND ACCESSIBLE FOR SERVICE BY A CURB STOP KEY.
- 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. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (PURPLE = REUSE)
- ALL METER BOXES SHALL BE SET FLUSH WITH FINISHED GRADE.

**REUSE METER**  
RESIDENTIAL & COMMERCIAL 2" AND BELOW  
N.T.S.

CITY OF VENICE ENGINEERING DEPARTMENT	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>REUSE METER &amp; TEMPORARY JUMPER</b>	SHEET NO. <b>W-7</b>



**RESIDENTIAL METER CONNECTION DETAIL**  
N.T.S.

- 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	UTILITIES - WATER	DATE JAN. 2019
401 WEST VENICE AVE. VENICE FL 34285 (941) 486-2626 FAX (941) 480-3031	<b>RESIDENTIAL METER &amp; SERVICE CONNECTION</b>	SHEET NO. <b>W-8</b>

**APPROVED**  
MAR 24 2020  
**RECORD DRAWINGS**

**VICENZA - SUBPHASE 1-1**  
**WATER MAIN RECORD DRAWINGS**

CLIENT: **NEAL COMMUNITIES OF SOUTHWEST FLORIDA, LLC**  
PROJECT: **VICENZA**

DATE: 2018-02	TITLE: <b>WATER DISTRIBUTION CONSTRUCTION DETAILS</b>	INDEX NUMBER: <b>ASB 94-95 (COV)</b>
HORIZONTAL SCALE: 1" = 10'	VERTICAL SCALE: 1" = 10'	SHEET NUMBER: <b>95 of 101</b>
SEC. TWP. RGE. 38S 19E	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: <b>215614167</b>
DATE: 11/19/2020 10:55:41 AM	JOINTO: 1	Plotter: 3/4/2019 11:21:32 AM