

GENERAL NOTES:

- OWNERSHIP AND UNIFIED CONTROL STATEMENT:**
THE PROPOSED PROJECT WITHIN PIDS 0376130300 & 0376130050 IS UNDER CONTRACT FOR PURCHASE BY TI INVESTORS OF MIRASOL LLC. ALL WORK WITHIN THE KNIGHTS TRAIL ROAD ROW SHALL BE UNDER THE OWNERSHIP & CONTROL OF SARASOTA COUNTY.
- CHARACTER AND INTENDED USE STATEMENT:**
THE PROPOSED USE IS A 210 UNIT MULTI-FAMILY APARTMENT DEVELOPMENT.
- MAINTENANCE OF COMMON FACILITIES STATEMENT:**
REVELLO AT MIRASOL APARTMENTS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PARKING LOTS AND DRIVE AISLES. REVELLO AT MIRASOL SHALL OWN AND MAINTAIN THE ONSITE WATER AND SEWER.
- EXISTING LAND USE:** VACANT
- ZONING:** CMU – COMMERCIAL MIXED USE; FUTURE LAND USE: MIXED USE CORRIDOR
- FLOOD ZONE:** THE SITE LIES WITHIN THE BOUNDARIES OF FLOOD ZONE X PER FIRM MAP 12115C0244F DATED NOVEMBER 4, 2016.
- SITE COVERAGES:**
TOTAL ACREAGE: 11.53 AC
BUILDINGS: 2.41 AC
DRIVEWAYS, SIDEWALKS: 5.94 AC
GREEN SPACE: 3.18 AC
- PARKING CALCULATIONS:**
TOTAL PARKING REQUIRED: (2.0 SPACES PER UNIT) X 210 UNITS + 20 HABITAT FOR HUMANITY SPACES = 440 SPACES REQUIRED
TOTAL SPACES PROVIDED: 491 SPACES (39 SPACES IN GARAGES)
(APPROX. 2.2 SPACES PER UNIT)
TOTAL ACCESSIBLE REQUIRED: 19
TOTAL ACCESSIBLE PROVIDED: 20 SPACES (2 SPACES IN GARAGES)
TOTAL LOADING ZONE REQUIRED: 6 SPACES
TOTAL LOADING ZONE PROVIDED: 6 SPACES
- SETBACKS:**
FRONT YARD: 10' MINIMUM
SIDE YARD: 0'
10' (BETWEEN STRUCTURES, RESIDENTIAL SINGLE FAMILY)
10' (BETWEEN STRUCTURES, ONE-STORY MULTIFAMILY RESIDENTIAL)
20' (BETWEEN STRUCTURES, TWO-STORY OR GREATER MULTIFAMILY RESIDENTIAL)
REAR YARD: 5'
15' WHEN LOCATED ON THE PORTOFINO CMU DISTRICT PERIMETER AND BUILDING HEIGHT EXCEEDS TWO STORIES
ACCESSORY STRUCTURE: 5' MINIMUM
- MAXIMUM BUILDING HEIGHT:**
MAXIMUM RESIDENTIAL BUILDING HEIGHT SHALL BE FOUR (4) STORIES, UP TO 45 FT. NON-HABITABLE BUILDING FEATURES INCLUDING ARCHITECTURAL FEATURES ARE PERMITTED UP TO 65 FT IN HEIGHT (PORTOFINO CMU DESIGN STANDARDS).
BUILDING HEIGHT REFERS TO THE MAXIMUM VERTICAL DISTANCE MEASURED FROM THE FOLLOWING BENCHMARKS:
A. FEMA FIRST HABITABLE FLOOR REQUIREMENT. THIS PROPERTY IS IN ZONE X WHICH DOES NOT HAVE A BFE REQUIREMENT. AS SUCH, THIS BENCHMARK DOES NOT APPLY TO THE SUBJECT PROJECT.
B. 18 INCHES ABOVE THE FDEP REQUIREMENT FOR THE FIRST HABITABLE FLOOR STRUCTURAL SUPPORT. THIS BENCHMARK DOES NOT APPLY TO THIS PROJECT.
C. 18 INCHES ABOVE THE AVERAGE CROWN ELEVATION OF THE ADJACENT ROADWAY. THE ADJACENT ROADWAY FOR THIS SITE IS KNIGHTS TRAIL ROAD WITH AN AVERAGE CROWN ELEVATION WITHIN THE PROJECT AREA OF APPROXIMATELY 18.3 FT (NGVD29), RESULTING IN A BUILDING HEIGHT BENCHMARK OF 19.8 FT (NGVD29). THIS BENCHMARK IS THE MOST APPROPRIATE FOR THIS PROJECT.
D. THE AVERAGE NATURAL GRADE UNALTERED BY HUMAN INTERVENTION. THIS BENCHMARK IS NOT APPROPRIATE FOR THIS SITE.
USING BENCHMARK "C" AND THE PORTOFINO CMU DESIGN STANDARD, THE MAXIMUM ALLOWABLE BUILDING ELEVATION IS 64.8 FT, NGVD29 (19.8 FT, NGVD29 + 45 FT). PROPOSED BUILDING HEIGHT IS THREE (3) STORIES AND IS 61.2 FT, NGVD29 AND IS BELOW THE ALLOWABLE BUILDING ELEVATION.
- OPEN SPACE:**
OPEN SPACE SHALL INCLUDE POCKET OR LINEAR PARK AREA(S) BUFFERS AND SIMILAR OPEN SPACE AREAS TOTALING 100,000 SQ. FT. IMPROVEMENTS TO POCKET OR LINEAR PARK AREA(S), BUFFERS OR SIMILAR MAY INCLUDE CANOPY TREES, SHRUBS, LIGHTING, TRASH RECEPTACLES, BENCHES AND PAVEMENT AND CONCRETE WALKWAYS. NO ACTIVE PARK AREAS OR DEDICATIONS ARE REQUIRED (PORTOFINO CMU DEVELOPMENT STANDARDS).
THE PRORATED SHARE OF OPEN SPACE AREA FOR THE REVELLO APARTMENT SITE IS APPROXIMATELY 22,751 SF PER THE PORTOFINO CMU DEVELOPMENT STANDARDS.
THE OPEN SPACE PROVIDED IS APPROXIMATELY 138,489 SF; EQUATING TO 27.56% OF THE TOTAL PROJECT AREA.
- STORMWATER MANAGEMENT:**
STORMWATER MANAGEMENT FOR THIS PROJECT IS PROVIDED IN THE TOSCANA ISLES STORMWATER LAKES. THE MAXIMUM ALLOWABLE IMPERVIOUS AREA FOR REVELLO AT MIRASOL IS 80%. PROPOSED IMPERVIOUS AREA FOR REVELLO AT MIRASOL IS 72.44%.
- REFUSE AND RECYCLABLE NOTE:**
A TRASH COMPACTOR AND RECYCLE AREA IS LOCATED IN THE SOUTHWEST CORNER OF THIS SITE.
- UTILITY NOTES:**
A. SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF VENICE STANDARDS.
B. WATER DISTRIBUTION CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF VENICE UTILITY CODE.
C. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE" ONE CALL, FPL AND ALL OTHER UTILITY COMPANIES PRIOR TO ANY WORK ONSITE OR OFFSITE SO THAT THE EXACT LOCATION OF ALL UTILITIES CAN BE DETERMINED.
D. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO WELLS LOCATED ON THIS SITE.
E. ANY WELLS DISCOVERED DURING EARTH MOVING, EXCAVATION OR CONSTRUCTION MUST BE REPORTED TO THE ENVIRONMENTAL ENGINEERING DEPARTMENT WITHIN 24 HOURS OF DISCOVERY. IF SAID WELL HAS NO USE IT SHALL BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.
F. TO THE BEST OF OUR KNOWLEDGE NO SEPTIC TANKS ARE LOCATED ON THIS SITE.
G. ALL UTILITIES INCLUDING TELEPHONE, TELEVISION CABLE AND ELECTRICAL SYSTEMS SHALL BE INSTALLED UNDERGROUND.
H. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE CITY OF VENICE STANDARDS DETAILS.
J. CONTRACTOR SHALL VERIFY THE SIZE, CONDITION, AND LOCATION OF UTILITY STUBOUTS PRIOR TO CONNECTION.
- UTILITY PROVIDERS:**
WATER: CITY OF VENICE, 200 WARFIELD AVE, VENICE, FL 34285, (941)480-3333, (941)486-2084 fax
SANITARY SEWER: CITY OF VENICE, 200 WARFIELD AVE, VENICE, FL 34285, (941)480-3333, (941)486-2084 FAX
TELEPHONE: FRONTIER, 1659 US-41 BYPASS S, VENICE, FL 34293, (941)906-6719, (941)952-5793 fax
ELECTRICITY: FLORIDA POWER & LIGHT, 5676 McINTOSH RD., SARASOTA, FL 34233, (941)927-4218
CATV: COMCAST, 5205 FRUITVILLE RD, SARASOTA, FL 34240, (941)371-6700
- CITY OF VENICE REQUIRED NOTES:**
A. ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE ISSUANCE OF A ROW PERMIT.
B. ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF THE ISSUED PERMITS.
C. TREE REMOVAL PERMIT MUST BE OBTAINED FROM CITY OF VENICE.
D. POST DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT.
E. ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS 1, 11 OR V.
F. CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 633.521.
G. CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.
H. ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
I. CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.
I. NO MINIMUM LOT DIMENSIONS ARE REQUIRED BY THE CMU.
- VERTICAL DATUM:**
ELEVATIONS ARE RELATIVE TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929. ELEVATIONS ARE BASED ON SARASOTA COUNTY BENCHMARK #378A WITH A PUBLISHED ELEVATION = 40.737'.
CONVERSIONS FROM NGVD29 TO NAVD88 SHALL FOLLOW:
NGVD29 (FT) - 1.112 (FT) = NAVD88 (FT)
- SITE CLEARING NOTES:**
A. NO CLEARING WITH HEAVY EQUIPMENT, FILLING, OR PLACEMENT OF IMPROVEMENTS OR UTILITY LINES SHALL OCCUR WITHIN THE PROTECTED ROOT ZONE OF ANY HERITAGE OR VENETIAN TREE TO BE SAVED, PER CITY OF VENICE CHAPTER 118-19, REQUIRED BEST MANAGEMENT PRACTICES. THE PROTECTED ROOT ZONE IS DEFINED AS THE DRIPLINE OF THE TREE. ONLY HAND CLEARING OR MOWING IS PERMITTED WITHIN THE PROTECTED ROOT ZONE OF CANOPY TREES TO BE SAVED IF AUTHORIZED BY THE CITY ARBORIST. WHERE UNAUTHORIZED REMOVAL OF NATIVE VEGETATION WITHIN THE PROTECTED ROOT ZONE OCCURS, THE CITY ARBORIST MAY REQUIRE THE REPLANTING OF UNDERSTORY VEGETATION.
B. A CITY OF VENICE TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATION REMOVAL WITHIN THE DRIPLINE OF A TREE, AND/OR TREE REMOVAL.
- MIRASOL CMU OPEN SPACE:**

UTILITY RECORD DRAWINGS
FOR

REVELLO AT MIRASOL

A 210 UNIT APARTMENT PROJECT
CITY OF VENICE, FLORIDA.

CONTRACT PURCHASER:
TI INVESTORS OF MIRASOL, LLC
1600 N. ATLANTIC AVE, SUITE 201
COCOA BEACH, FL 32931

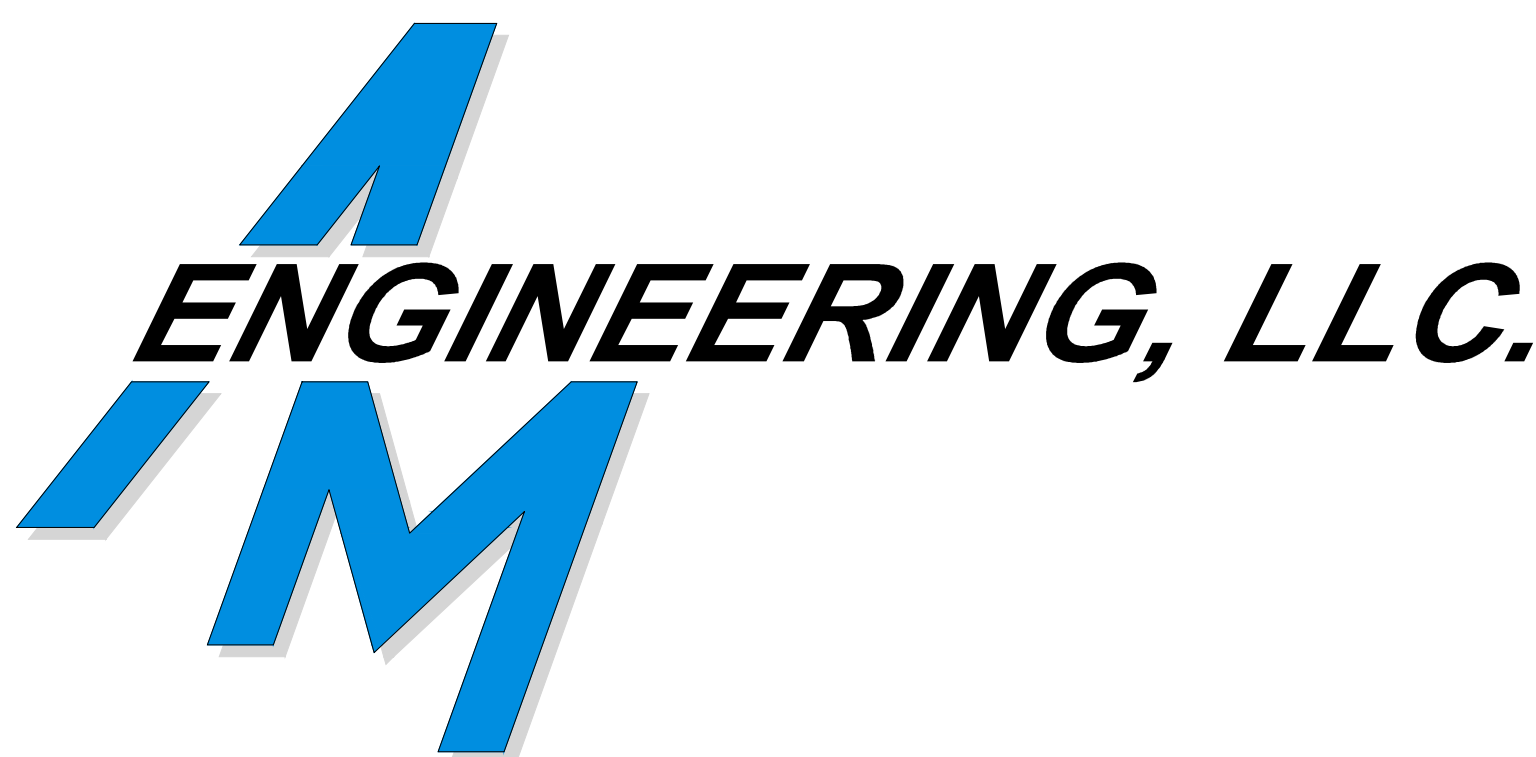
ENGINEER / SURVEYOR:
AM ENGINEERING, LLC.
8340 CONSUMER COURT
SARASOTA, FLORIDA 34240
(941) 377-9178
CERTIFICATE OF AUTHORIZATION No. 33105

OWNER/ DEVELOPER:
LAUREL ROAD DEVELOPMENT, LLC
7350 POINT OF ROCKS RD.
SARASOTA, FLORIDA 34242



INDEX TO SHEETS

SHEET NO.	DESCRIPTION
C-100	COVER SHEET
C-200	EXISTING CONDITIONS
C-300	PROJECT AREA PLAN
C-301	MASTER SITE PLAN
C-302	FENCING DETAILS
C-303	BUILDING OFFSETS
C-400	STORMWATER MANAGEMENT PLAN
C-401 - C-403	PAVING, GRADING & DRAINAGE PLAN
C-500 - C-503	PAVING, GRADING & DRAINAGE DETAILS
C-504	STORMWATER POLLUTION PREVENTION PLAN
C-505	STORMWATER POLLUTION PREVENTION DETAILS
C-600	MASTER UTILITY PLAN
C-601 - C-603	UTILITY PLAN
C-700	PLAN & PROFILE KEY SHEET
C-701 - C-708	PLAN & PROFILE
C-800	WATER & SEWER DETAILS
C-900 - C-901	KNIGHTS TRAIL TURN LANE GRADING PLAN
C-902 - C-903	KNIGHTS TRAIL TURN LANE CROSS SECTIONS
C-904 - C-905	KNIGHTS TRAIL TURN LANE SIGNAGE AND STRIPING PLAN
C-906	KNIGHTS TRAIL TURN LANE MAINTENANCE OF TRAFFIC PLAN
B1	BORE DATA



NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ()
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS []

AS-BUILT DRAWING

ATWELL
866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
8819 STATE ROAD 10 EAST, BRADENTON, FLORIDA 34909
(941) 748-8340 (941) 886-9938 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS NOT SIGNED WITHOUT THE ORIGINAL SIGNATURE AND A SEAL OF FLORIDA SHOWN IN BRACKETS [] UPON THE DESIGN CONSTRUCTION PLANS IS A LICENSED SURVEYOR AND MAPPER. THE SEAL APPEARING ON THIS TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF IS 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 02-15-2024
DATE OF FIELD SURVEY 10-02-2023

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

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GERALD D. STROOP, JR., P.E.M. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

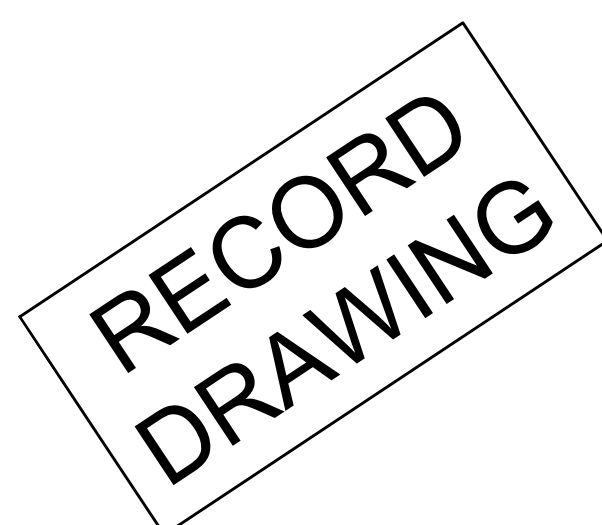
PROJECT LOCATION

LEGAL DESCRIPTION

LOT 5 AND TRACT 302, MIRASOL TOWN CENTER, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 54, PAGE 162 THROUGH 164, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA.

LOCATION MAP

LATITUDE: N027°07'47.9" LONGITUDE: W082°23'30.4"



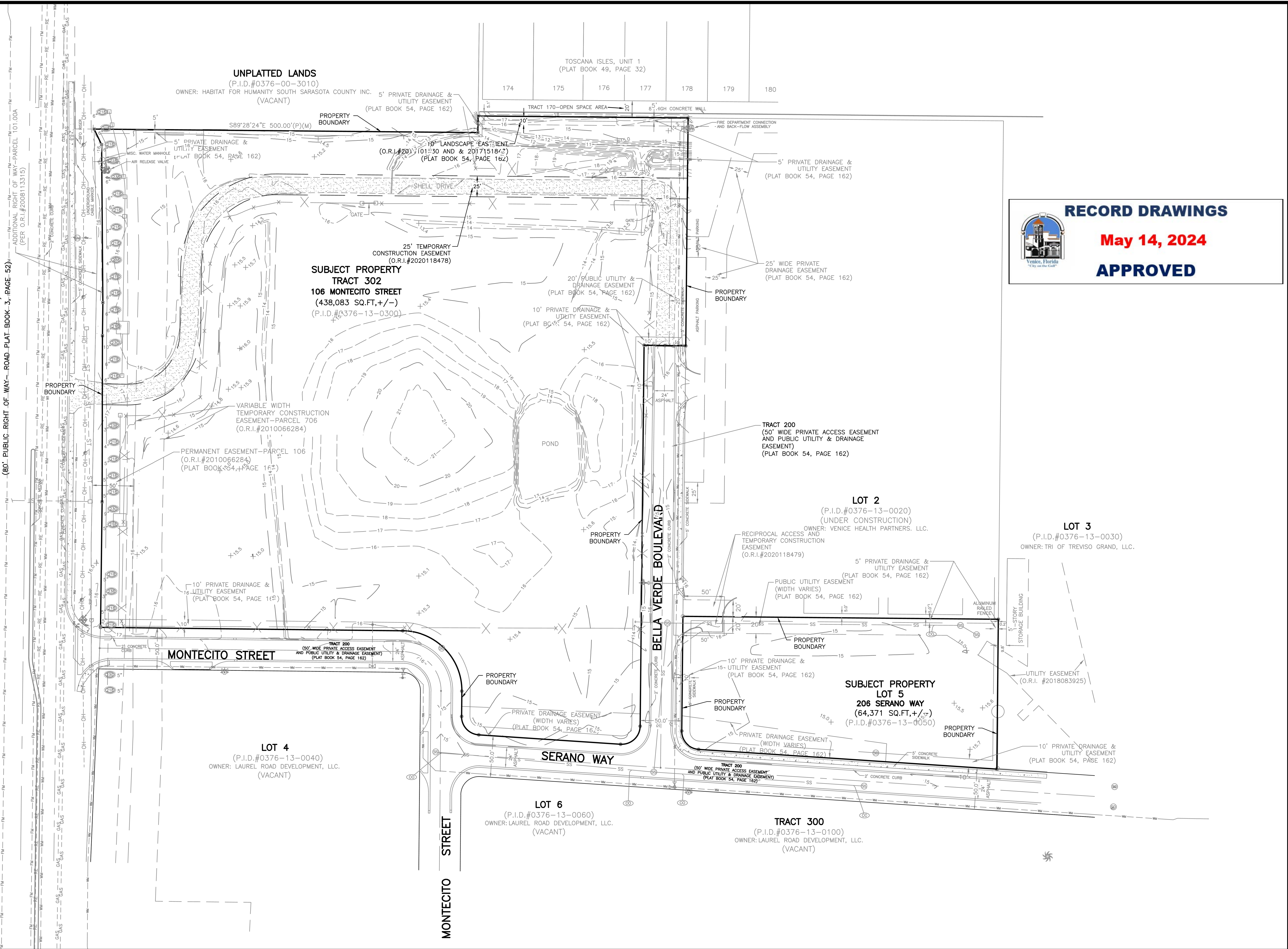
REVISIONS		
BY	DATE	DESCRIPTION
CD	12/29/22	CHANGES PER SFWFMD RAI
MF	02/27/23	REVISIONS PER COV & CONTRACTOR COMMENTS
CD	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS
CD	04/12/23	CHANGES PER CONTRACTOR COMMENTS
BRC	05/10/23	CHANGES PER CITY UTIL COMMENTS
CD	05/31/23	REVISIONS PER COUNTY COMMENTS
CD	06/22/23	REVISIONS PER FDEP COMMENTS
JLC	06/28/23	REVISIONS PER CONTRACTOR COMMENTS
CD	07/21/23	REVISIONS PER COUNTY & CONTRACTOR COMMENTS
CD	08/07/23	REVISIONS PER CONTRACTOR COMMENTS
CD	09/21/23	REVISIONS PER CONTRACTOR RFI
CD	10/31/23	GRADE CLARIFICATION FOR CONTRACTOR
ATWELL	01/04/24	RECORD DRAWINGS

DEVELOPMENT	MIRASOL CMU AREAS COVERED	RESIDENTIAL, MULTI-FAMILY	RESIDENTIAL ASSISTED LIVING / ADULT CONGREGATE CARE FACILITY	PARCEL AREA	AC	OPEN SPACE	AC
TREVISIO GRAND	AREA 2 (MIXED USE) & AREA 3 (RESIDENTIAL)	272 UNITS		19.24	AC	10.40	AC
ATALS VENICE	AREA 1 (COMMERCIAL)		161,913 SF (3 FLOORS)	5.23	AC	1.46	AC
REVELLO	AREA 1 (COMMERCIAL)	210 UNITS		11.53	AC	3.18	AC
TOTAL		482 UNITS	161,913 SF	36.0	AC	15.04	AC
							41.8%

C:\04_Engineering\2024_Sheets\12472624_11371515_AW - Project - Revello at Mirasol - Residential\Utility\Utility - Record Drawings\

RECORD DRAWINGS
May 14, 2024
APPROVED

KNIGHTS TRAIL ROAD
 (A.K.A. HAUL ROAD PRIOR TO 7-27-89)
 (80' PUBLIC RIGHT OF WAY - ROAD PLAT BOOK 3, PAGE 52)



**RECORD
DRAWING**

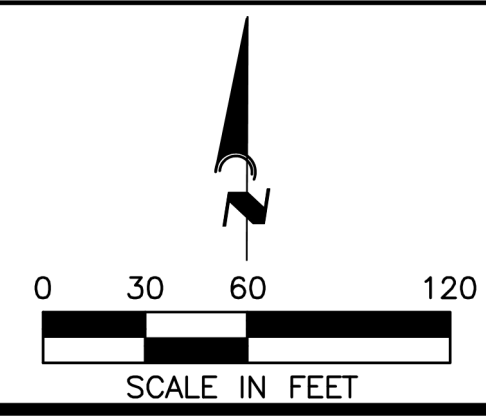
© M. Amengil, 2022. Scale: 1/4" = 60'. Date: 6/2/22. Rev: CD. Project: TI Investors of Mirasol, LLC. Revello at Mirasol. Existing Conditions Plan. Sheet: C-200.

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
01/04/23	RECORD DRAWINGS		ATYELL				

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

DATE: 6/2/22 CD
 CODE DESCRIPTION: CONSTRUCTION PLANS

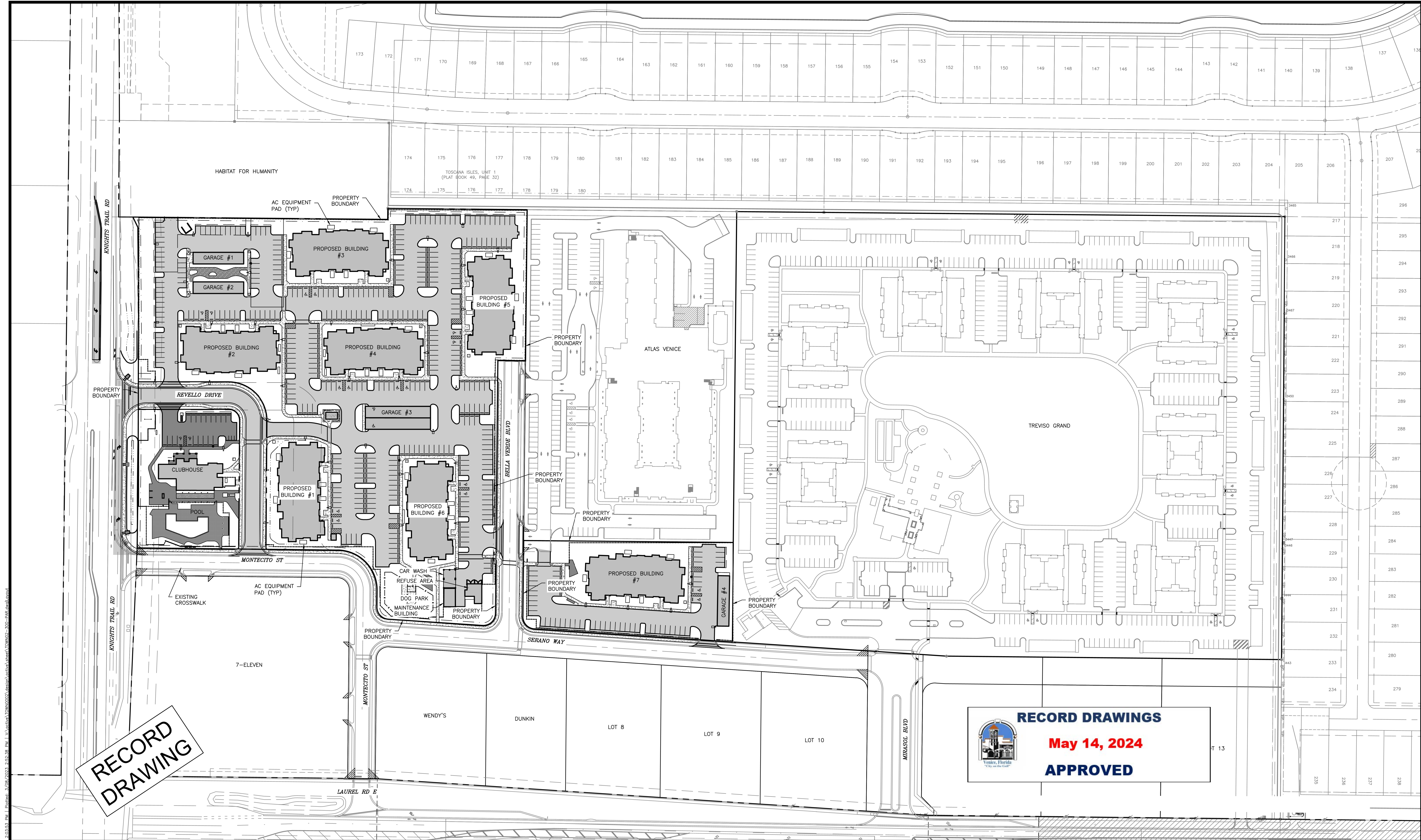
AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengil.com
 CA #33105 | LB #4334



CLIENT: TI INVESTORS OF MIRASOL, LLC
 PROJECT: REVELLO AT MIRASOL
 TITLE: EXISTING CONDITIONS PLAN

HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: N/A
 VERTICAL DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-200

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE
 DATE: 5/14/2024
 FLORIDA P.E. No. 90804



RECORD DRAWING

RECORD DRAWINGS
May 14, 2024
APPROVED

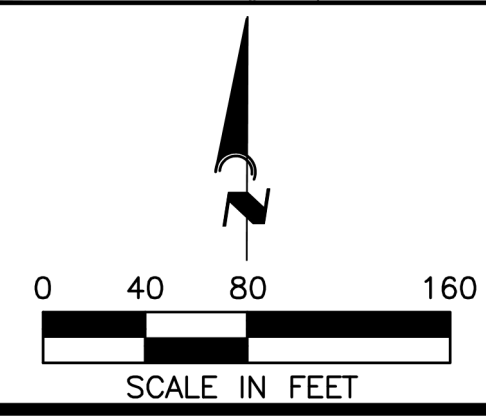
REV. No.	REV. DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
01/04/23	RECORD DRAWINGS		ATVELL			

CALL BEFORE YOU DIG!
 "SUNSHINE STATE ONE-CALL CENTER"
 1-800-432-4770
 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
 DATE: 6/2/22
 CD
CONSTRUCTION PLANS

Civil Engineering | Land Surveying

AM ENGINEERING, LLC.

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



CLIENT: **TI INVESTORS OF MIRASOL, LLC**

PROJECT: **REVELLO AT MIRASOL**

TITLE: **PROJECT AREA PLAN**

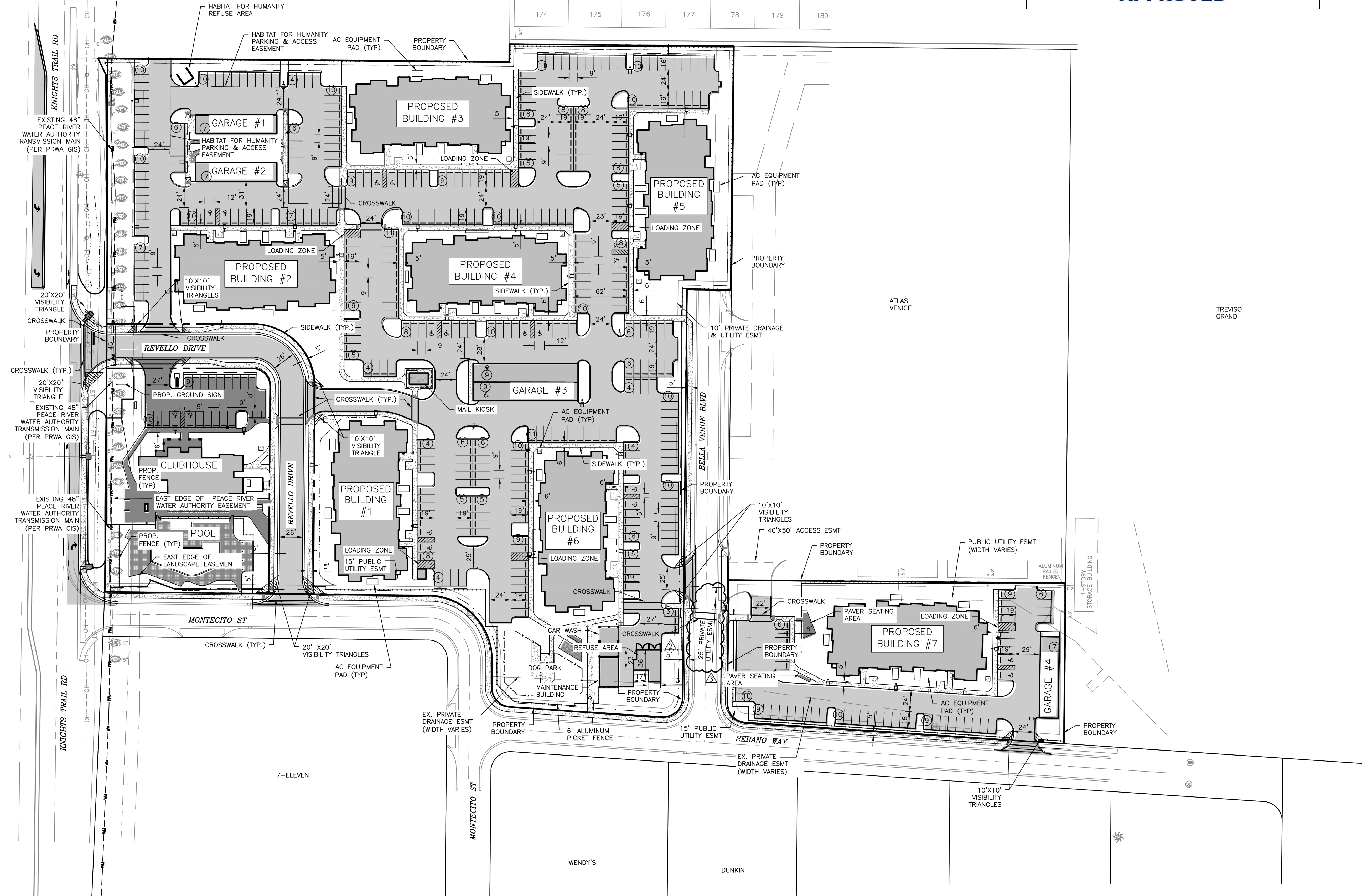
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VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-300

PROJECT ENGINEER: **BOBBI R. CLAYBROOKE, PE**
 DATE: 05/14/2024
 FLORIDA P.E. No. 90804

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TOSCANA ISLES, UNIT 1
 (PLAT BOOK 49, PAGE 32)

174 175 176 177 178 179 180



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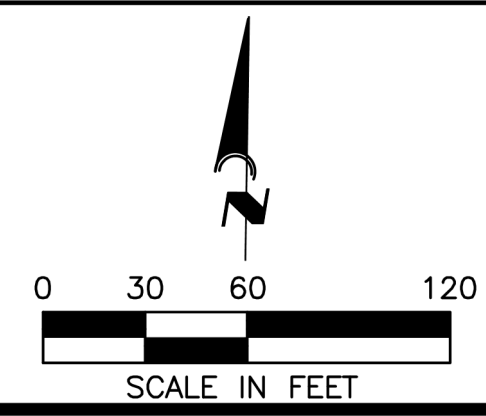
REV. No.	REV. DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CDV & CONTRACTOR COMMENTS	MF			
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD			
	01/04/23	RECORD DRAWINGS	ATWELL			

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

DATE: 6/2/22
 CD

CONSTRUCTION PLANS

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 8340 Consumer Court Sarasota, FL 34240
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 CA #33105 | LB #4334



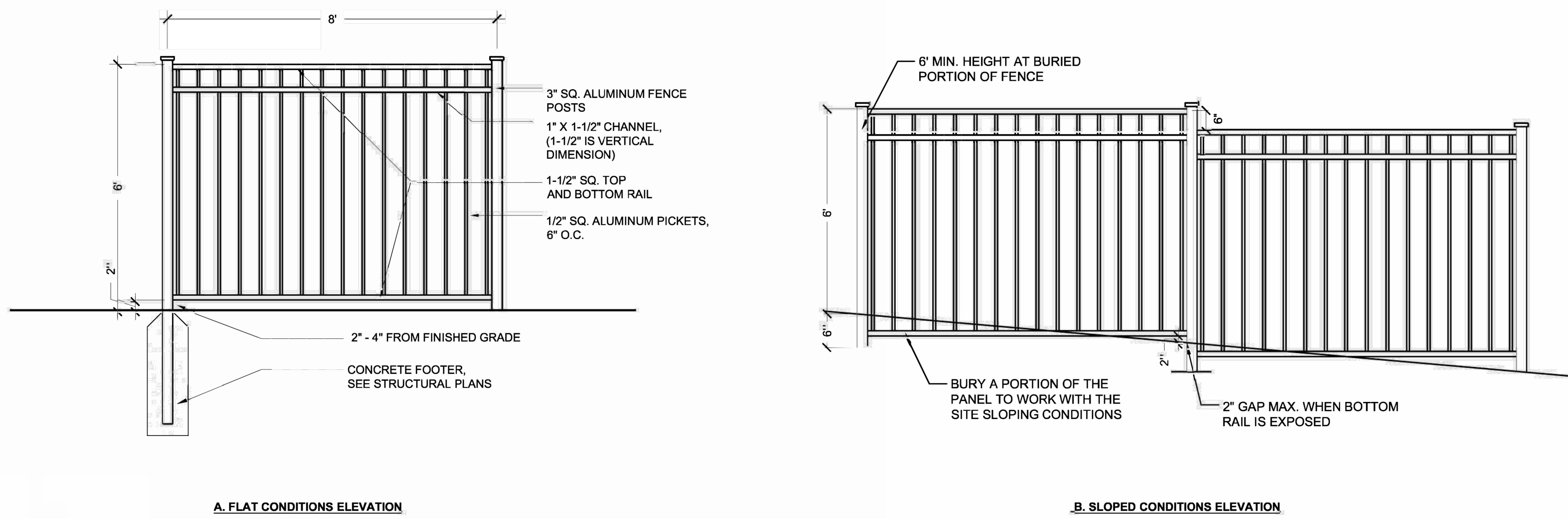
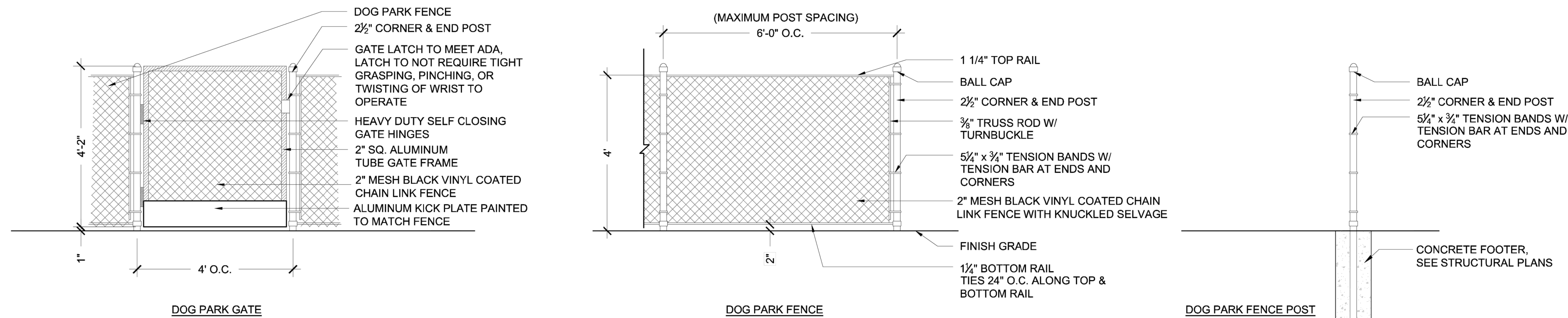
CLIENT: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 TITLE: **MASTER SITE PLAN**

HORIZONTAL SCALE:	1" = 60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-301

PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, PE
 DATE: 5/14/24
 FLORIDA P.E. No. 90804

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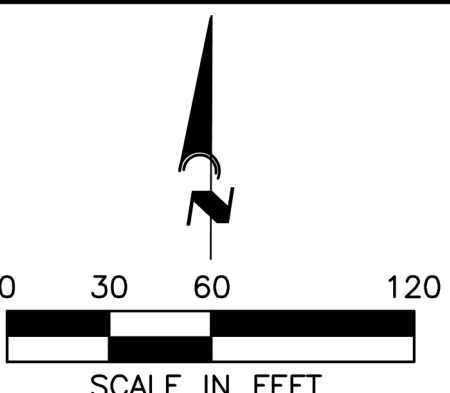
RECORD DRAWINGS
May 14, 2024
APPROVED

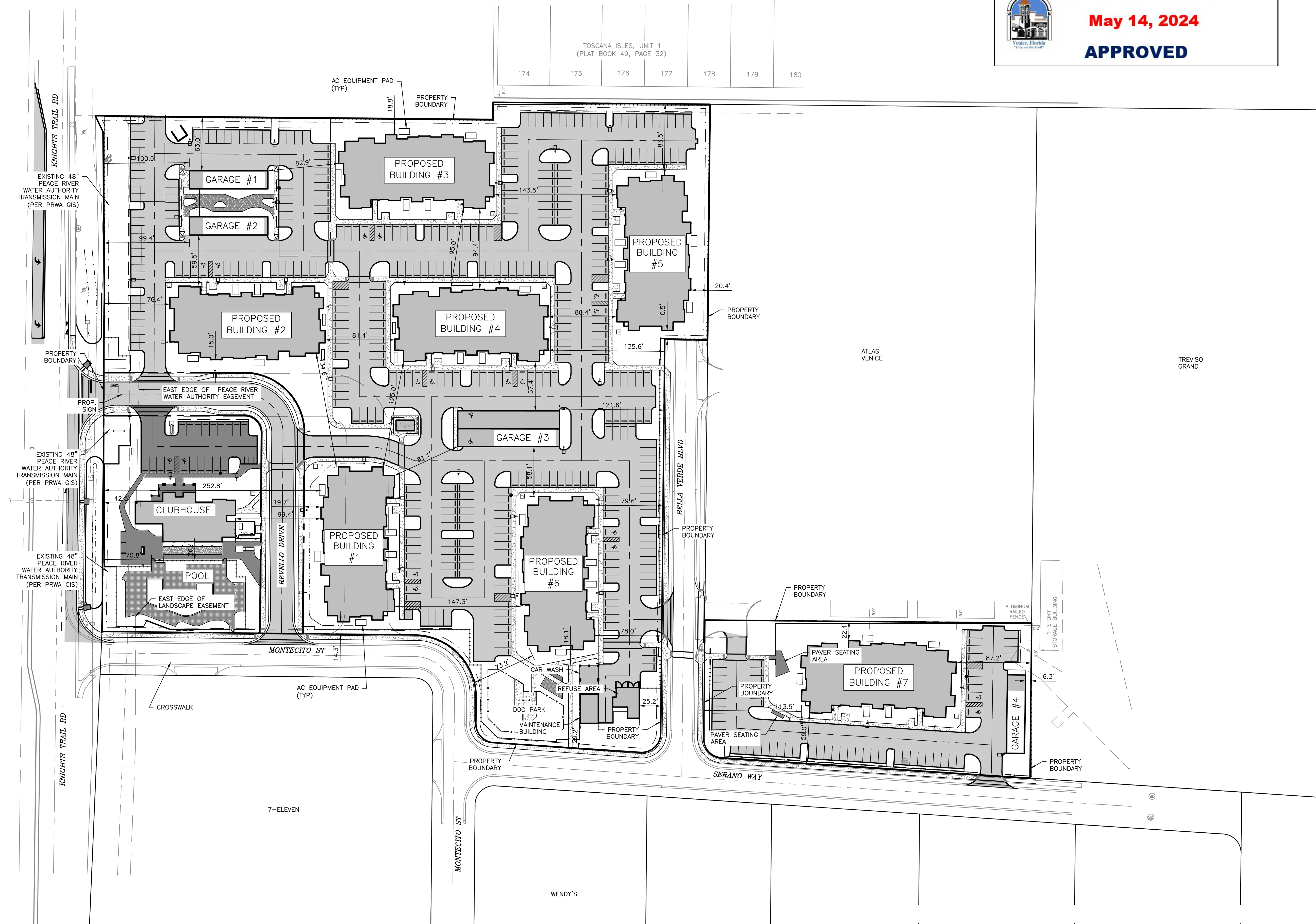
RECORD DRAWING

FENCING NOTES:

1. CONTRACTOR TO SUBMIT SHOW DRAWINGS FOR FENCING PRIOR TO FABRICATION.
2. FOR PERIMETER FENCING, ALL FENCE COMPONENTS TO BE WELDED STRUCTURAL ALUMINIUM WITH NO MECHANICALLY FASTENED JOINTS.
3. FOR DOG PARK FENCING, ALL FENCING, COMPONENTS, AND HARDWARE TO BE BLACK VINYL COATED CHAIN LINK.
4. FENCE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

<p>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.</p>			<p>Civil Engineering Land Surveying AM ENGINEERING, LLC.</p> <p>8340 Consumer Court Sarasota, FL 34240 Phone: (941) 377-9178 www.amengfl.com CA #33105 LB #4334</p>			<p>CLIENT: TI INVESTORS OF MIRASOL, LLC</p> <p>PROJECT: REVELLO AT MIRASOL</p> <p>TITLE: FENCING DETAILS</p>			<p>HORIZONTAL SCALE: 1"=60'</p> <p>VERTICAL SCALE: N/A</p> <p>VERTICAL DATUM: NGVD 29</p> <p>PROJECT NUMBER: TOWN0002</p> <p>SHEET NUMBER: C-302</p>		<p>PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE DATE: _____ FLORIDA P.E. No. 90804</p>														
<p>DATE: 6/2/22</p> <p>SCALE: CD</p> <p>CONSTRUCTION PLANS</p>																									
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01/04/23		RECORD DRAWINGS	ATTWELL																						

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**RECORD
DRAWING**

© M. Amengli, 2022. Scale: 1/8"=1'-0". 01/04/23 RECORD DRAWINGS ATYELL

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
01/04/23	RECORD DRAWINGS		ATYELL

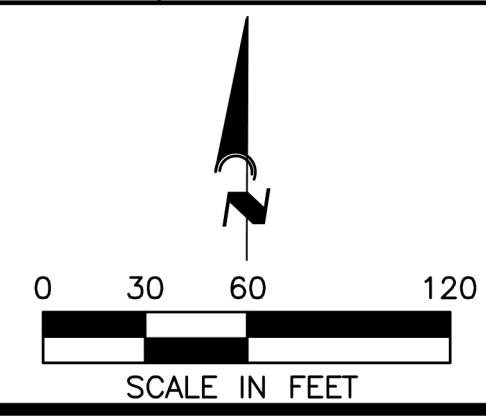
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DATE: **6/2/22** CD
 CODE DESCRIPTION: **CONSTRUCTION PLANS**

Civil Engineering | Land Surveying

AM ENGINEERING, LLC.

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

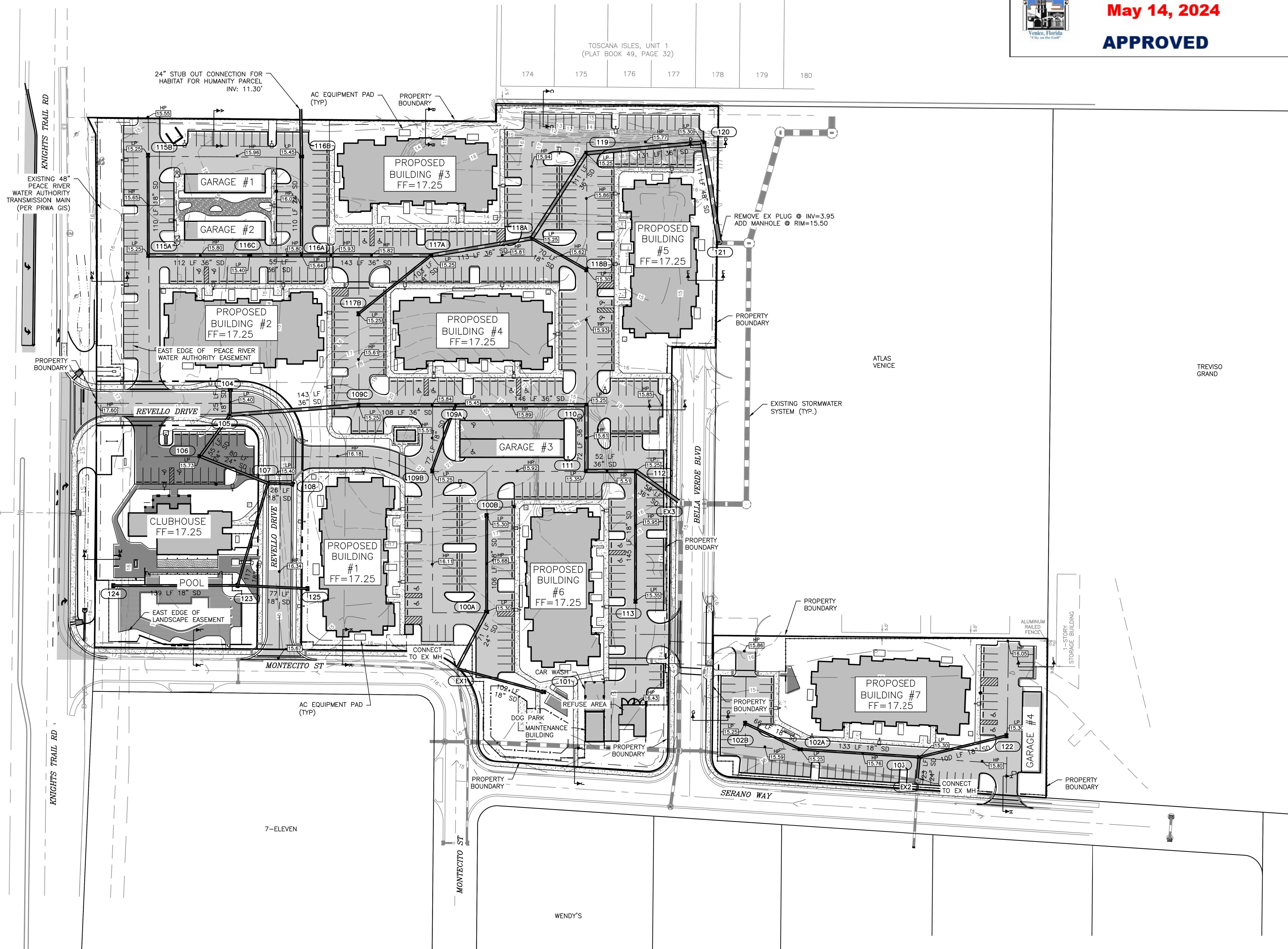


CLIENT: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 TITLE: **BUILDING OFFSETS**

HORIZONTAL SCALE:	1"=60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-303

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

SUMMARY OF DRAINAGE STRUCTURES WITH RIM/GRATE			
STRUCTURE NUMBER	DESCRIPTION	RIM/GRATE	INVERT
EX3	EXISTING INLET	14.83	INV 9.80 NW
EX2	EXISTING MANHOLE	15.52	INV 9.30 N
EX1	EXISTING MANHOLE	15.61	INV 9.50 NE INV 9.50 E
100B	F INLET	15.30	INV 13.25 S
100A	F INLET	15.30	INV 12.25 SW INV 12.85 N
101	TYPE C INLET	15.50	INV 12.75 W
102B	F INLET	15.25	INV 12.30 SE
102A	F INLET	15.25	INV 12.09 NW INV 12.09 E
103	F INLET	15.30	INV 11.90 W INV 9.49 S INV 11.50 E
104	VALLEY INLET	15.14	INV 11.60 S
105	F INLET W/ 6' J BOT	15.14	INV 11.40 N INV 10.70 SW INV 10.40 E
106	F INLET	15.73	INV 10.80 NE INV 10.80 E
107	VALLEY INLET	15.14	INV 10.90 W INV 11.40 E INV 10.90 S
108	VALLEY INLET	15.14	INV 11.50 W
109B	F INLET	15.25	INV 12.26 N
109C	F INLET	15.38	INV 10.30 W INV 10.30 E
109A	F INLET	15.45	INV 10.20 W INV 10.20 E INV 11.90 S
110	F INLET	15.25	INV 10.15 W INV 10.15 S
111	F INLET	15.35	INV 10.10 N INV 10.10 E
112	F INLET	15.25	INV 10.05 W INV 10.15 S INV 10.05 SE
113	F INLET	15.35	INV 10.55 N
115A	F INLET	15.25	INV 11.25 E INV 11.35 N
115B	F INLET	15.25	INV 11.55 S
116C	F INLET	15.40	INV 10.90 W INV 10.90 E
116B	F INLET	15.45	INV 11.20 S INV 11.30 N
116A	F INLET	15.64	INV 10.75 W INV 10.75 N INV 10.75 E
117A	F INLET	15.25	INV 10.39 W INV 10.39 E INV 11.00 SW
117B	F INLET	15.25	INV 11.50 NE
118A	F INLET	15.25	INV 10.00 W INV 10.00 NE INV 10.50 SE
118B	F INLET	15.30	INV 11.00 NW
119	F INLET	15.25	INV 9.50 SW INV 9.50 E
120	F INLET	15.30	INV 5.50 W INV 4.00 S
121	STORM MANHOLE	15.50	INV 3.95 N INV 3.95 E
122	STORM MANHOLE	15.30	INV 11.90 W
123	TYPE C INLET W/ 5' J BOT	16.00	INV 11.00 W INV 11.00 N INV 12.10 E
124	TYPE C INLET	17.25	INV 11.30 E
125	TYPE C INLET	15.50	INV 12.49 W



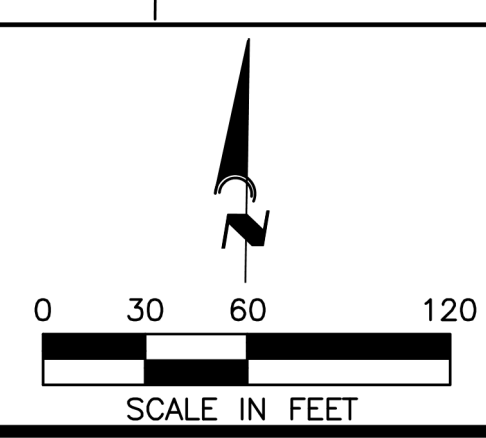
- ALL GRATES SHALL BE U.S.F. STEEL GRATES, TRAFFIC BEARING (OR APPROVED EQUAL).
- YARD INLETS SHALL EITHER HAVE AN 12" OR 8" ROUND GRATE (#40 BLACK) NDS OR APPROVED EQUAL WITH A 6" CONCRETE COLLAR 4" THICK AROUND INLET.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- ALL STORM PIPE SHALL BE RCP. ADS HP-STORM ALLOWED AS SUBSTITUTE AS APPROVED BY ENGINEER.

RECORD DRAWING

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD			
	01/04/23	RECORD DRAWINGS	ATYELL			

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 DATE: 6/2/22
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CONSTRUCTION PLANS

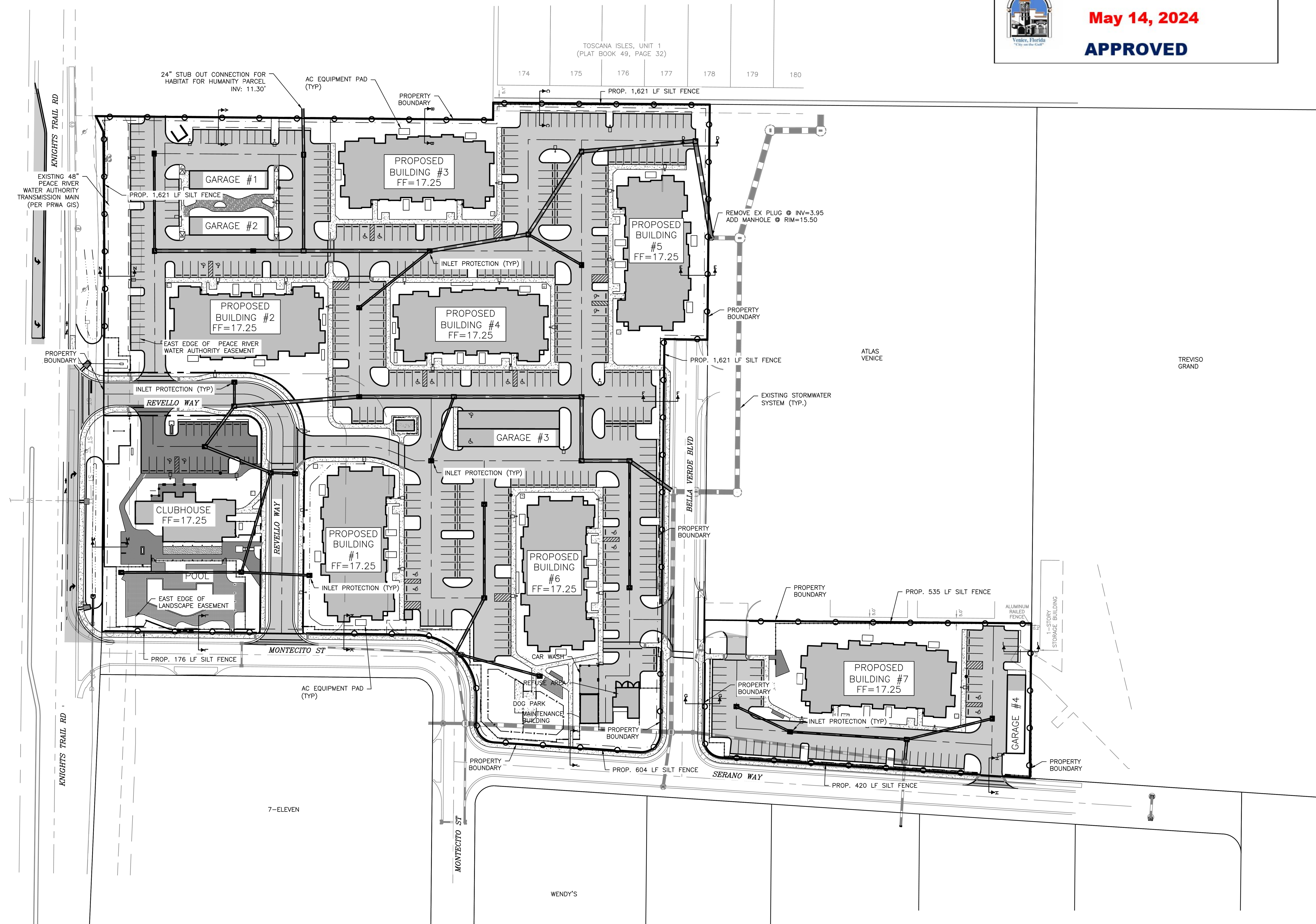
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 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



CLIENT: TI INVESTORS OF MIRASOL, LLC
 PROJECT: REVELLO AT MIRASOL
 TITLE: STORMWATER MANAGEMENT PLAN

HORIZONTAL SCALE:	1"=60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-400

PROJECT ENGINEER: BOBBY R. CLAYBROOKE, PE
 DATE: 5/14/24
 FLORIDA P.E. No. 90804



**RECORD
DRAWING**

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
1	12/29/22	CHANGES PER CITY SFWMD RAI	CD			
01/04/23		RECORD DRAWINGS	ATYELL			

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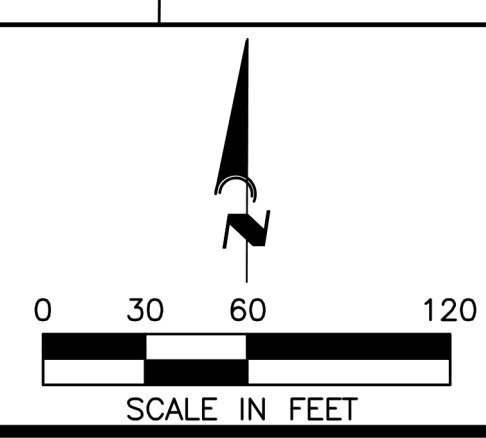
DATE: **6/2/22** CD

CONSTRUCTION PLANS

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



CLIENT: **TI INVESTORS OF MIRASOL, LLC**

PROJECT: **REVELLO AT MIRASOL**

TITLE: **STORMWATER POLLUTION PREVENTION PLAN**

HORIZONTAL SCALE:	1" = 60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-504

PROJECT ENGINEER:

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

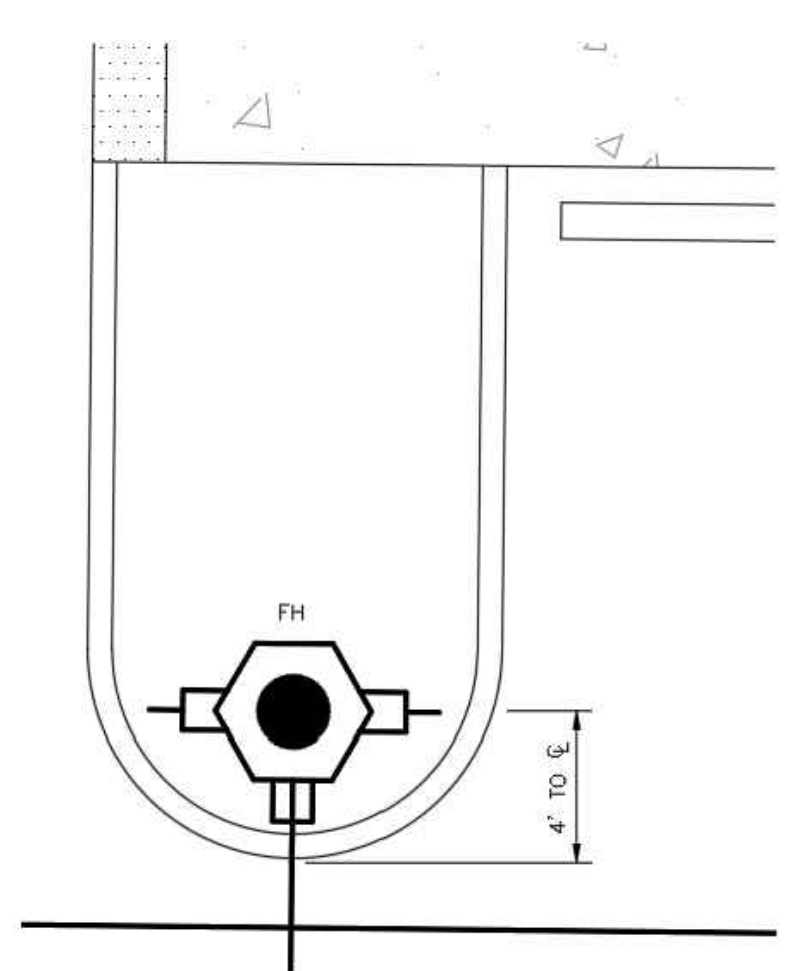
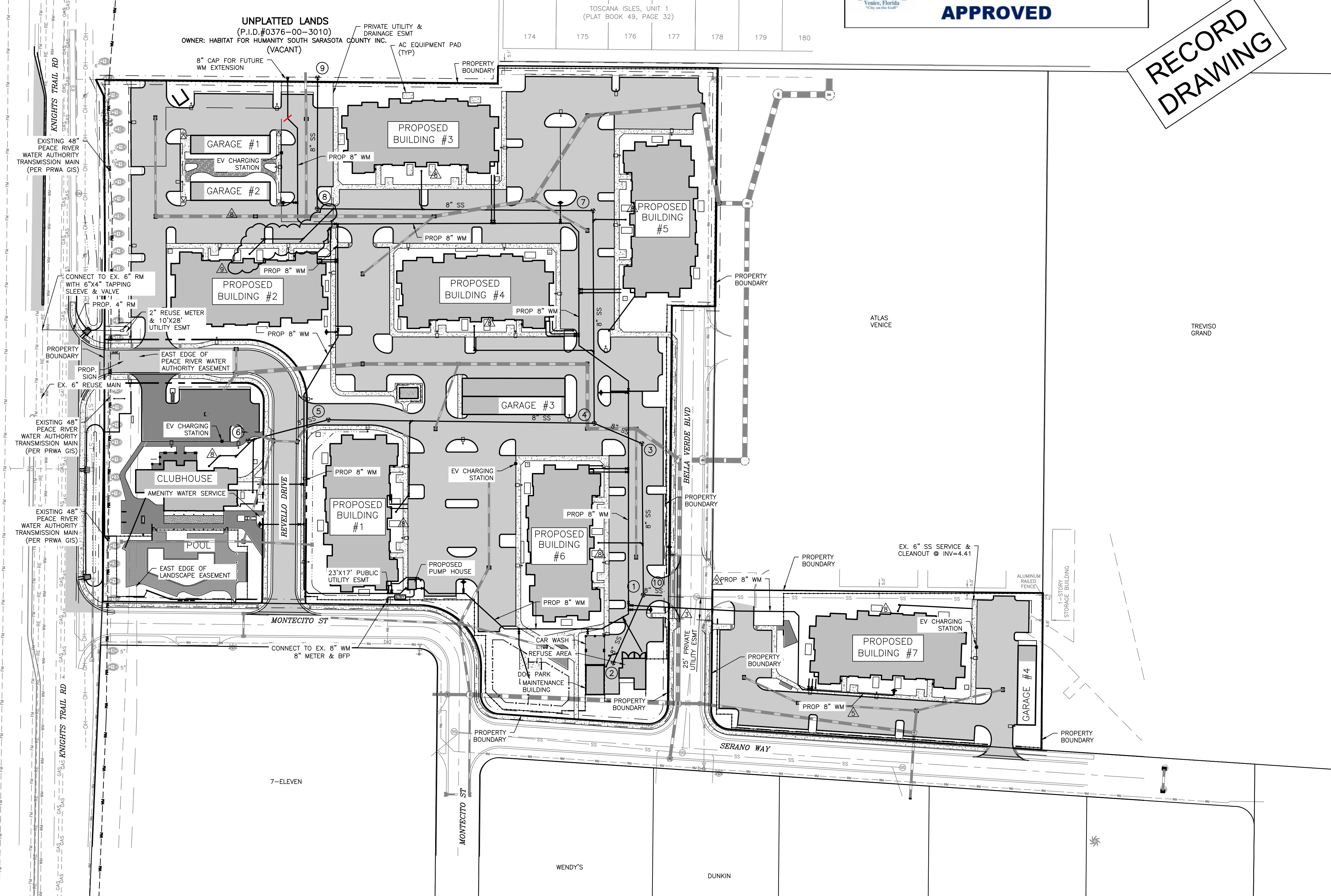
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**RECORD
DRAWING**

STRUCTURE NUMBER	DESCRIPTION	RIM/GRATE	INVERT
1	48" SANITARY MANHOLE	15.90	INV 6.13 N INV 7.93 SW INV 6.03 E
2	48" SANITARY MANHOLE	16.66	INV 9.57 NE
3	48" SANITARY MANHOLE	15.55	INV 6.95 NW INV 6.85 S
4	48" SANITARY MANHOLE	15.49	INV 7.69 W INV 7.18 SE INV 7.29 N
5	48" SANITARY MANHOLE	16.06	INV 9.06 W INV 8.96 E
6	48" SANITARY MANHOLE	16.61	INV 9.45 E
7	48" SANITARY MANHOLE	15.57	INV 8.30 S INV 8.40 W
8	48" SANITARY MANHOLE	15.92	INV 9.72 E INV 9.82 N
9	48" SANITARY MANHOLE	15.50	INV 10.44 S
10	TIE IN TO EX STUB-OUT	N/A	INV 5.95 W

174	175	176	177	178	179	180
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**FIRE HYDRANT
PLACEMENT DETAIL**
 SCALE: 1"=5'

- UTILITY NOTES:**
- SANITARY SEWER (WASTEWATER) EASEMENTS SHALL BE PROVIDED ALONG THE SANITARY SEWER MAIN AND FROM THE MAIN TO THE CLEANOUTS.
 - WATER MAIN EASEMENTS SHALL BE PROVIDED ALONG THE WATER MAIN AND FROM THE WATER MAIN TO THE METER.
 - CONTRACTOR SHALL VERIFY THE SIZE, CONDITION, AND LOCATION OF UTILITY STUB OUTS PRIOR TO CONSTRUCTION.

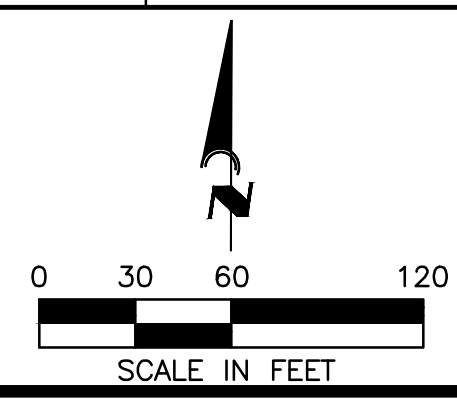
REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD				
5	05/10/23	CHANGES PER CITY UTIL COMMENTS	BRC				
8	06/28/23	CHANGES PER CONTRACTOR COMMENTS	JLC				
9	07/21/23	REVISIONS PER COUNTY & CONTRACTOR COMMENTS	CD				
	01/04/24	RECORD DRAWINGS	ATTWELL				

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ISSUE DATE: **6/2/22** ISSUE BY: **CD**

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CLIENT: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 TITLE: **MASTER UTILITY PLAN**

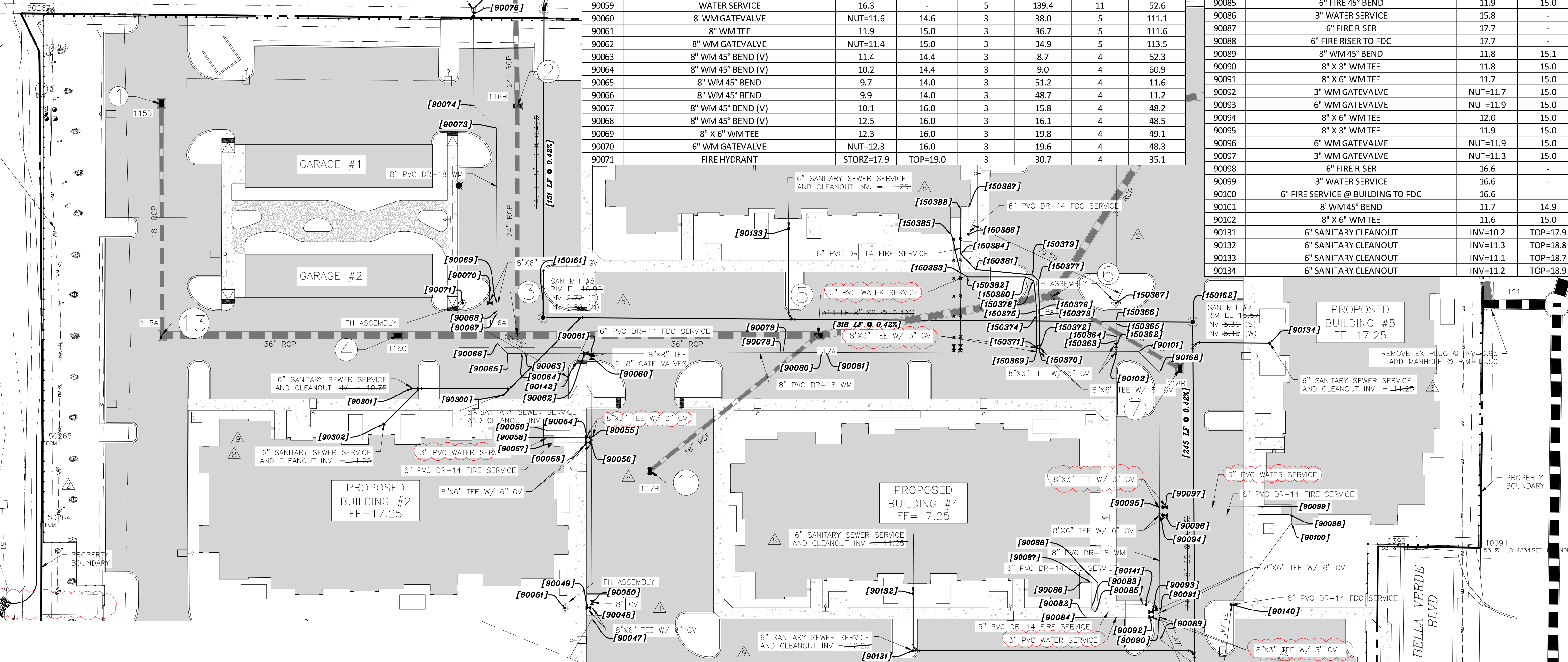
HORIZONTAL SCALE:	1"=60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-600

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

UNPLATTED LANDS
(P.I.D.#0376-00-3010)
OWNER: HABITAT FOR HUMANITY SOUTH SARASOTA COUNTY INC
(VACANT)

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90047	8" WM 45° BEND	12.7	15.7	10	41.6	11	77.6
90048	8" X 6" WM TEE	13.1	16.1	10	45.5	11	74.2
90049	6" WM GATEVALVE	13.0	16.1	10	47.9	11	73.8
90050	8" WM GATEVALVE	13.0	16.1	10	48.9	11	70.3
90051	FIRE HYDRANT	STORZ=18.2	TOP=19.3	10	55.5	11	78.8
90053	6" WM GATEVALVE	NUT=11.6	-	3	63.0	11	33.0
90054	3" WM GATEVALVE	NUT=11.7	15.6	3	60.9	11	34.1
90055	8" X 3" WM TEE	11.6	15.0	3	60.8	11	34.0
90056	8" X 6" WM TEE	11.5	15.0	3	62.8	11	32.5
90057	6" FIRE RISER	17.6	-	5	138.1	11	47.4
90058	3" WATER SERVICE @ BUILDING 2	17.6	-	5	133.7	11	45.1
90059	WATER SERVICE	16.3	-	5	139.4	11	52.6
90060	8" WM GATEVALVE	NUT=11.6	14.6	3	38.0	5	111.1
90061	8" WM TEE	11.9	15.0	3	36.7	5	111.6
90062	8" WM GATEVALVE	NUT=11.4	15.0	3	34.9	5	113.5
90063	8" WM 45° BEND (V)	11.4	14.4	3	8.7	4	62.3
90064	8" WM 45° BEND (V)	10.2	14.4	3	9.0	4	60.9
90065	8" WM 45° BEND	9.7	14.0	3	51.2	4	11.6
90066	8" WM 45° BEND	9.9	14.0	3	48.7	4	11.2
90067	8" WM 45° BEND (V)	10.1	16.0	3	15.8	4	48.2
90068	8" WM 45° BEND (V)	12.5	16.0	3	16.1	4	48.5
90069	8" X 6" WM TEE	12.3	16.0	3	19.8	4	49.1
90070	6" WM GATEVALVE	NUT=12.3	16.0	3	19.6	4	48.3
90071	FIRE HYDRANT	STORZ=17.9	TOP=19.0	3	30.7	4	35.1

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90073	8" WM 45° BEND	11.3	14.5	1	164.8	2	14.5
90074	8" WM 45° BEND	11.4	14.4	1	151.3	2	23.0
90075	WATER SERVICE	15.2	-	1	162.6	2	60.1
90076	8" WM GATEVALVE	NUT=12.8	14.6	1	160.4	2	52.4
90078	8" WM 45° BEND (V)	10.9	14.5	5	18.6	6	133.9
90079	8" WM 45° BEND (V)	9.7	14.5	5	18.5	6	133.9
90080	8" WM 45° BEND (V)	9.4	14.5	5	8.4	6	115.0
90081	8" WM 45° BEND (V)	10.7	14.5	5	8.4	6	114.2
90082	3" WM 45° BEND	11.5	16.0	8	58.9	9	109
90083	6" FIRE 45° BEND	11.8	15.0	8	56.9	9	111.6
90084	3" WM 45° BEND	11.5	15.9	7	128	8	51.1
90085	6" FIRE 45° BEND	11.9	15.0	8	52.0	23	143.0
90086	3" WATER SERVICE	15.8	-	8	65.2	23	156.7
90087	6" FIRE RISER	17.7	-	8	68.1	23	160.2
90088	6" FIRE RISER TO FDC	17.7	-	8	67.6	23	159.7
90089	8" WM 45° BEND	11.8	15.1	7	133.6	8	21.7
90090	8" X 3" WM TEE	11.8	15.0	7	122.7	8	32.7
90091	8" X 6" WM TEE	11.7	15.0	7	120.7	8	34.7
90092	3" WM GATEVALVE	NUT=11.7	15.0	7	121.7	8	35.2
90093	6" WM GATEVALVE	NUT=11.9	15.0	7	119.6	8	37.2
90094	8" X 6" WM TEE	12.0	15.0	7	75.3	8	81.4
90095	8" X 3" WM TEE	11.9	15.0	7	69.1	8	85.4
90096	6" WM GATEVALVE	NUT=11.9	15.0	7	72.1	8	82.3
90097	3" WM GATEVALVE	NUT=11.3	15.0	7	68.0	8	85.9
90098	6" FIRE RISER	16.6	-	8	96.8	23	155.3
90099	3" WATER SERVICE	16.6	-	7	77.7	8	94.2
90100	6" FIRE SERVICE @ BUILDING TO FDC	16.6	-	8	95.0	23	150.0
90101	8" WM 45° BEND	11.7	14.9	6	51.5	7	20.2
90102	8" X 6" WM TEE	11.6	15.0	6	42.0	7	30.9
90103	6" SANITARY CLEANOUT	INV=10.2	TOP=17.9	9	24.2	10	129.1
90104	6" SANITARY CLEANOUT	INV=11.3	TOP=18.8	9	48.9	10	134.9
90105	6" SANITARY CLEANOUT	INV=11.1	TOP=18.7	5	52.2	6	132.9
90106	6" SANITARY CLEANOUT	INV=11.2	TOP=18.9	6	108.6	7	46.1



MANHOLE NUMBER	RIM ELEVATION	INVERT ELEVATION
7	[16.69]	INV [8.36] S INV [8.46] W
8	[16.00]	INV [8.91] N INV [9.81] E
9	[16.62]	INV [10.55] S

CITY MAINTAINED WATER ENDS AT BACK-FLOW PREVENTER BEHIND THE PUMP HOUSE. ALL SANITARY IS CITY MAINTAINED

SEE SHEET C-602 FOR CONTINUATION

RECORD DRAWING

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90140	FDC	TOP=18.5	-	7	117.7	8	45.3
90141	FDC	TOP=18.6	-	7	116.4	8	41.3
90142	FDC	TOP=18.5	-	3	31.3	5	119.5
90168	8" WM 45° BEND	11.7	15.3	6	65.2	7	9.9
90300	6" SANITARY CLEANOUT	INV=10.3	TOP=16.3	3	29.9	4	58.8
90301	6" SANITARY CLEANOUT	INV=10.8	TOP=16.0	3	57.9	4	26.8
90302	6" SANITARY CLEANOUT	INV=11.3	TOP=16.5	3	78.2	4	43.9
150160	SANITARY MH #9	15.6	-	1	193.2	2	50.6
150161	SANITARY MH #8	16.0	-	2	102.9	3	15.8
150162	SANITARY MH #7	15.7	-	6	70.0	7	25.4
150362	6" WM GATEVALVE	NUT=11.6	15.0	6	40.0	7	32.8
150363	6" WM 45° BEND (V)	11.6	15.0	6	38.6	7	33.8
150364	6" WM 45° BEND (V)	10.7	15.0	6	37.2	7	34.5
150365	6" WM 45° BEND (V)	10.4	15.0	6	34.1	7	37.7
150366	6" WM 45° BEND (V)	12.6	15.6	6	33.4	7	38.5
150367	FIRE HYDRANT	STORZ=18.1	TOP=19.3	6	31.2	7	44.4
150369	8" X 3" WM TEE	11.4	15.0	5	106.5	6	27.4
150370	8" X 6" WM TEE	11.6	15.0	5	109.4	6	27.2

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
150371	3" WM GATEVALVE	NUT=11.3	15.0	5	105.9	6	26.7
150372	6" FIRE GATEVALVE	NUT=11.6	15.0	5	109.6	6	26.6
150373	6" FIRE 45° BEND (V)	11.3	15.0	5	109.1	6	10.5
150374	3" WM 45° BEND (V)	10.8	14.0	5	107.4	6	11.7
150375	3" WM 45° BEND (V)	8.7	14.0	5	107.3	6	10.3
150376	6" FIRE 45° BEND (V)	9.3	14.0	5	108.6	6	9.1
150377	6" FIRE 45° BEND	8.9	14.5	5	110.7	6	10.4
150378	3" WATER 45° BEND	8.7	14.4	5	108.4	6	12.0
150379	6" FIRE 45° BEND	10.9	14.4	5	108.4	6	14.6
150380	3" WATER 45° BEND	10.7	14.4	5	105.9	6	16.6
150381	6" FIRE 45° BEND	11.8	15.0	5	83.3	6	39.6
150382	3" WATER 45° BEND	11.3	14.3	5	78.3	6	42.5
150383	3" WATER 45° BEND	11.5	14.5	5	75.9	6	46.3
150384	6" WATER 45° BEND	12.2	15.2	5	80.1	6	49.4
150385	3" WATER SERVICE @ BUILDING	15.8	-	5	81.6	6	57.8
150386	FDC	TOP=18.5	-	5	88.5	6	50.9
150387	6" FIRE SERVICE @ BUILDING TO FDC	17.6	-	6	60.8	7	131.1
150388	6" FIRE SERVICE @ BUILDING	17.6	-	6	61.9	7	132.3

SWING TIE	DESCRIPTION
1	CL GRATE INLET
2	CL GRATE INLET
3	CL GRATE INLET
4	CL GRATE INLET
5	CL GRATE INLET
6	CL GRATE INLET
7	CL GRATE INLET
11	CL GRATE INLET
13	CL GRATE INLET

NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ()
NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS []

AS-BUILT DRAWING

ATWELL
866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
6813 STATE ROAD 70 EAST BRADENTON, FLORIDA 34203
(941) 986-8008 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 RECEIVED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEOR AND MARKER.
DATE OF CERTIFICATION: 02-15-2024
DATE OF FIELD SURVEY: 10-02-2023

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

Gerald D. Strop, Jr.
GERALD D. STROOP, JR., P.S.M.
FLORIDA CERTIFICATE NO. 4679

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GERALD D. STROOP, JR., P.S.M. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CIV & CONTRACTOR COMMENTS	MF				
8	06/28/23	REVISIONS PER CIV & CONTRACTOR COMMENTS	JLC				
9	07/21/23	REVISIONS PER COUNTY & CONTRACTOR COMMENTS	CD				
	01/04/24	RECORD DRAWINGS	ATWELL				

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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.

ISSUE DATE: 6/2/22
ISSUE DESCRIPTION: CD

CONSTRUCTION PLANS

ENGINEERING, LLC.
Civil Engineering | Land Surveying

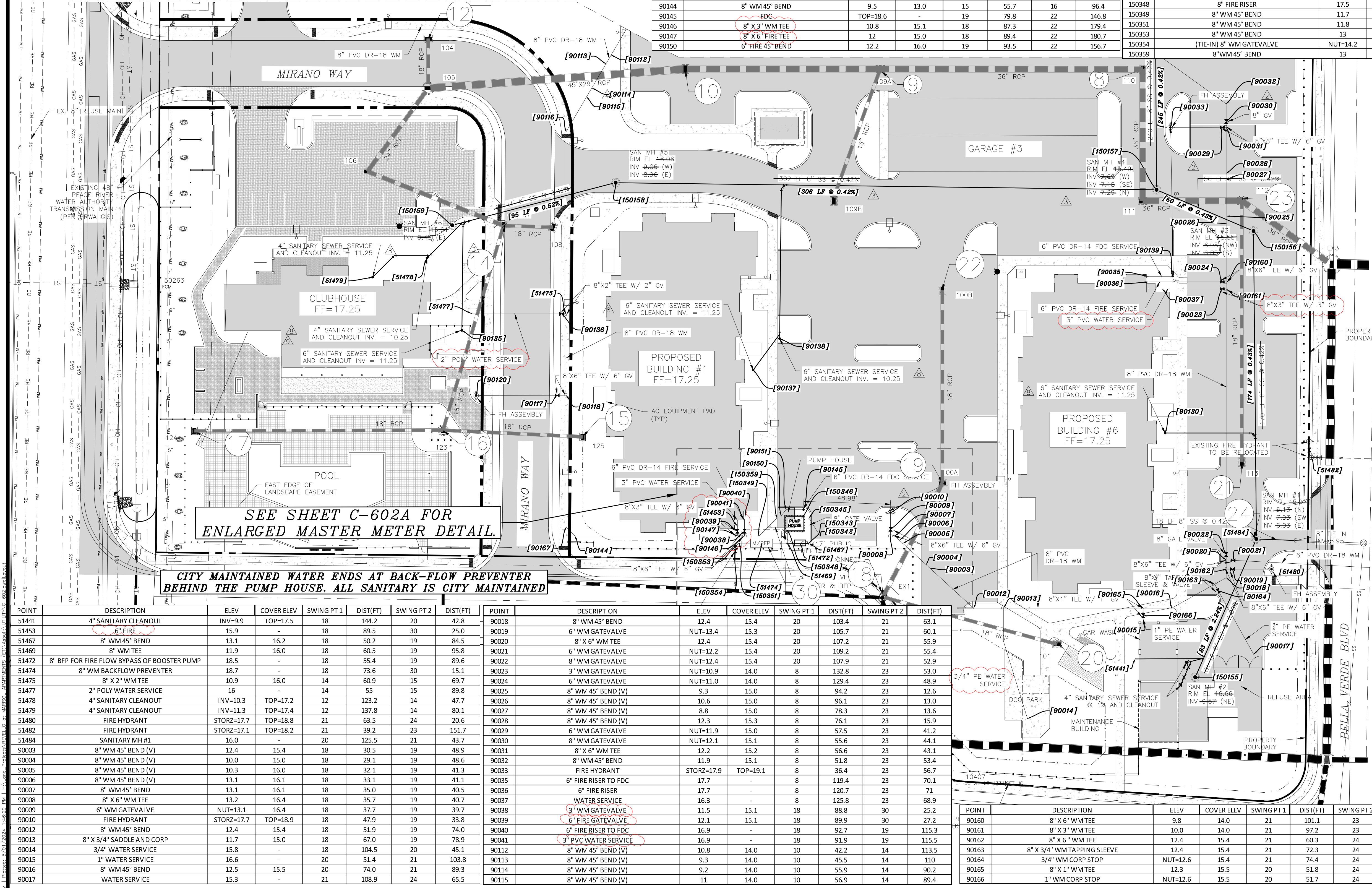
8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengfl.com
CA #33105 | LB #4334

CLIENT: TI INVESTORS OF MIRASOL, LLC
PROJECT: REVELLO AT MIRASOL
UTILITY PLAN

HORIZONTAL SCALE: 1"=30'	PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE
VERTICAL SCALE: N/A	DATE: 09/04/24
PROJECT NUMBER: TOWN0002	FLORIDA P.E. NO: 90804
SHEET NUMBER: C-601	

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90116	8" WM 45° BEND	11.8	14.8	10	76.3	14	64.5
90117	6" WM GATEVALVE	NUT=12.1	14.4	14	100.4	15	27.3
90118	8" X6" WM TEE	11.3	14.4	14	102.8	15	24.7
90120	FIRE HYDRANT	STORZ=18.7	TOP=19.9	14	97.7	15	64
90130	6" SANITARY CLEANOUT	INV=11.2	TOP=19.01	21	46.6	23	138.9
90135	6" SANITARY CLEANOUT	INV=11.3	TOP=18.1	14	64.3	15	90.4
90136	2" WM GATEVALVE	NUT=11.5	16.0	14	60.8	15	69.6
90137	6" SANITARY CLEANOUT	INV=10.2	TOP=20.0	19	125.8	22	115.3
90138	6" SANITARY CLEANOUT	INV=10.1	TOP=19.9	19	122.3	22	94.9
90139	FDC	TOP=18.2	-	21	109.0	23	58.9
90144	8" WM 45° BEND	9.5	13.0	15	55.7	16	96.4
90145	FDC	TOP=18.6	-	19	79.8	22	146.8
90146	8" X 3" WM TEE	10.8	15.1	18	87.3	22	179.4
90147	8" X 6" FIRE TEE	12	15.0	18	89.4	22	180.7
90150	6" FIRE 45° BEND	12.2	16.0	19	93.5	22	156.7

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90151	6" FIRE 45° BEND	12.3	16.1	19	91.0	22	152.8
150155	SANITARY MH #2	16.9	-	21	122.6	24	83.2
150156	SANITARY MH #3	15.7	-	21	132.0	23	18.5
150157	SANITARY MH #4	15.4	-	8	67.3	23	48.8
150158	SANITARY MH #5	16.3	-	12	132.0	14	67.7
150159	SANITARY MH #6	16.7	-	12	104.7	14	29.2
150342	8" WM 45° BEND	12.0	16.0	18	48.1	19	71.6
150343	8" WM TEE	12.2	16.0	18	49.8	19	72.9
150345	8" WM 45° BEND	13.0	16.0	18	61.4	19	78.4
150346	8" FIRE RISER	18.0	-	-	-	-	INSIDE PUMP HOUSE
150348	8" FIRE RISER	17.5	-	-	-	-	INSIDE PUMP HOUSE
150349	8" WM 45° BEND	11.7	16.2	18	79	22	174.1
150351	8" WM 45° BEND	11.8	16.2	18	85.1	22	85.1
150353	8" WM 45° BEND	13	16.3	18	85.9	22	186.8
150354	(TIE-IN) 8" WM GATEVALVE	NUT=14.2	16.4	18	86.3	22	189.4
150359	8" WM 45° BEND	13	16.3	22	160.4	30	8.1



NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ().
 NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS [].

AS-BUILT DRAWING

ATWELL
 866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
 6813 STATE ROAD 78 EAST, BROADVIEW, FLORIDA 34203
 (941) 745-8400 (941) 956-9638 FAX

HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN IN BRACKETS () UPON THE RECORD CONSTRUCTION PLANS, IS A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND RECEIVED IN THE FIELD BY THE REGISTERED PROFESSIONAL ENGINEER AND SUPERVISOR OF THE SURVEYOR AND MAPPER.

DATE OF FIELD SURVEY: 10-25-2023
 DATE OF CERTIFICATION: 02-15-2024
 GERALD D. STROOP, JR., P.E.
 FLORIDA CERTIFICATE NO. 4679

SUMMARY OF SANITARY STRUCTURES

MANHOLE NUMBER	RIM ELEVATION	INVERT ELEVATION
1	[16.95]	INV [8.14] N INV [7.84] SW INV [6.04] E
2	[16.94]	INV [9.70] NE
3	[16.67]	INV [6.97] NW INV [6.87] S
4	[15.42]	INV [7.71] W INV [7.23] SE INV [7.33] N
5	[16.27]	INV [9.10] W INV [9.00] E
6	[16.74]	INV [9.59] E

RECORD DRAWING

SEE SHEET C-602A FOR ENLARGED MASTER METER DETAIL.

CITY MAINTAINED WATER ENDS AT BACK-FLOW PREVENTER BEHIND THE PUMP HOUSE. ALL SANITARY IS CITY MAINTAINED.

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
51441	4" SANITARY CLEANOUT	INV=9.9	TOP=17.5	18	144.2	20	42.8
51453	6" FIRE	15.9	-	18	89.5	30	25.0
51467	8" WM 45° BEND	13.1	16.2	18	50.2	19	84.5
51469	8" WM TEE	11.9	16.0	18	60.5	19	95.8
51472	8" BFP FOR FIRE FLOW BYPASS OF BOOSTER PUMP	18.5	-	18	55.4	19	89.6
51474	8" WM BACKFLOW PREVENTER	18.7	-	18	73.6	30	15.1
51475	8" X 2" WM TEE	10.9	16.0	14	60.9	15	69.7
51477	2" POLY WATER SERVICE	16	-	14	55	15	89.8
51478	4" SANITARY CLEANOUT	INV=10.3	TOP=17.2	12	123.2	14	47.7
51479	4" SANITARY CLEANOUT	INV=11.3	TOP=17.4	12	137.8	14	80.1
51480	FIRE HYDRANT	STORZ=17.7	TOP=18.8	21	63.5	24	20.6
51482	FIRE HYDRANT	STORZ=17.1	TOP=18.2	21	39.2	23	151.7
51484	SANITARY MH #1	16.0	-	20	125.5	21	43.7
90003	8" WM 45° BEND (V)	12.4	15.4	18	30.5	19	48.9
90004	8" WM 45° BEND (V)	10.0	15.0	18	29.1	19	48.6
90005	8" WM 45° BEND (V)	10.3	16.0	18	32.1	19	41.3
90006	8" WM 45° BEND (V)	13.1	16.1	18	33.1	19	41.1
90007	8" WM 45° BEND	13.1	16.1	18	35.0	19	40.5
90008	8" X 6" WM TEE	13.2	16.4	18	35.7	19	40.7
90009	6" WM GATEVALVE	NUT=13.1	16.4	18	37.7	19	39.7
90010	FIRE HYDRANT	STORZ=17.7	TOP=18.9	18	47.9	19	33.8
90012	8" WM 45° BEND	12.4	15.4	18	51.9	19	74.0
90013	8" X 3/4" SADDLE AND CORP	11.7	15.0	18	67.0	19	78.9
90014	3/4" WATER SERVICE	15.8	-	18	104.5	20	45.1
90015	1" WATER SERVICE	16.6	-	20	51.4	21	103.8
90016	8" WM 45° BEND	12.5	15.5	20	74.0	21	89.3
90017	WATER SERVICE	15.3	-	21	108.9	24	65.5

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90018	8" WM 45° BEND	12.4	15.4	20	103.4	21	63.1
90019	6" WM GATEVALVE	NUT=13.4	15.3	20	105.7	21	60.1
90020	8" X 6" WM TEE	12.4	15.4	20	107.2	21	55.9
90021	6" WM GATEVALVE	NUT=12.2	15.4	20	109.2	21	55.4
90022	8" WM GATEVALVE	NUT=12.4	15.4	20	107.9	21	52.9
90023	3" WM GATEVALVE	NUT=10.9	14.0	8	132.8	23	53.0
90024	6" WM GATEVALVE	NUT=11.0	14.0	8	129.4	23	48.9
90025	8" WM 45° BEND (V)	9.3	15.0	8	94.2	23	12.6
90026	8" WM 45° BEND (V)	10.6	15.0	8	96.1	23	13.0
90027	8" WM 45° BEND (V)	8.8	15.0	8	78.3	23	13.6
90028	8" WM 45° BEND (V)	12.3	15.3	8	76.1	23	15.9
90029	6" WM GATEVALVE	NUT=11.9	15.0	8	57.5	23	41.2
90030	8" WM 45° BEND	NUT=12.1	15.1	8	55.6	23	44.1
90031	8" X 6" WM TEE	12.2	15.2	8	56.6	23	43.1
90032	8" WM 45° BEND	11.9	15.1	8	51.8	23	53.4
90033	FIRE HYDRANT	STORZ=17.9	TOP=19.1	8	36.4	23	56.7
90035	6" FIRE RISER TO FDC	17.7	-	8	119.4	23	70.1
90036	6" FIRE RISER	17.7	-	8	120.7	23	71
90037	WATER SERVICE	16.3	-	8	125.8	23	68.9
90038	3" WM GATEVALVE	11.5	15.1	18	88.8	30	25.2
90039	6" FIRE GATEVALVE	12.1	15.1	18	89.9	30	27.2
90040	6" FIRE RISER TO FDC	16.9	-	18	92.7	19	115.3
90041	3" PVC WATER SERVICE	16.9	-	18	91.9	19	115.5
90112	8" WM 45° BEND (V)	10.8	14.0	10	42.2	14	113.5
90113	8" WM 45° BEND (V)	9.3	14.0	10	45.5	14	110
90114	8" WM 45° BEND (V)	9.2	14.0	10	55.9	14	90.2
90115	8" WM 45° BEND (V)	11	14.0	10	56.9	14	89.4

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90160	8" X 6" WM TEE	9.8	14.0	21	101.1	23	48.9
90161	8" X 3" WM TEE	10.0	14.0	21	97.2	23	52.8
90162	8" X 6" WM TEE	12.4	15.4	21	60.3	24	22.6
90163	8" X 3/4" WM TAPPING SLEEVE	12.4	15.4	21	72.3	24	35.6
90164	3/4" WM CORP STOP	NUT=12.6	15.4	21	74.4	24	36.8
90165	8" X 1" WM TEE	12.3	15.5	20	51.8	24	74.4
90166	1" WM CORP STOP	NUT=12.6	15.5	20	51.7	24	75.5

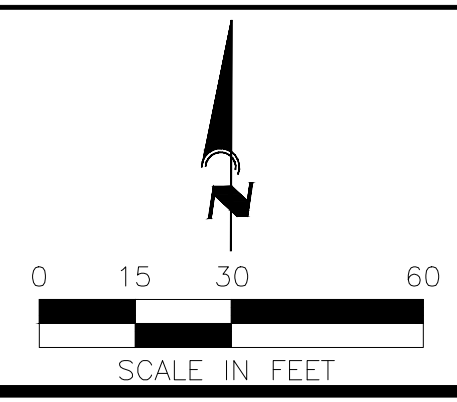
SWING TIE	DESCRIPTION
8	CL GRATE INLET
9	CL GRATE INLET
10	CL GRATE INLET
12	CL GRATE INLET @ EP
14	CL GRATE INLET @ EP
15	CL GRATE INLET
16	CL GRATE INLET
17	CL GRATE INLET
18	CL STORM MANHOLE
19	CL GRATE INLET
20	CL GRATE INLET
21	CL GRATE INLET
22	CL GRATE INLET
23	CL GRATE INLET
24	SANITARY MANHOLE #1
30	SW CORNER OF PUMP HOUSE

NO.	DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CIV & CONTRACTOR COMMENTS	MF
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
4	04/12/23	CHANGES PER CONTRACTOR COMMENTS	CD
8	06/28/23	CHANGES PER CONTRACTOR COMMENTS	JLC
9	07/21/23	REVISIONS PER COUNTY & CONTRACTOR COMMENTS	CD
10	01/04/24	RECORD DRAWINGS	ATWELL

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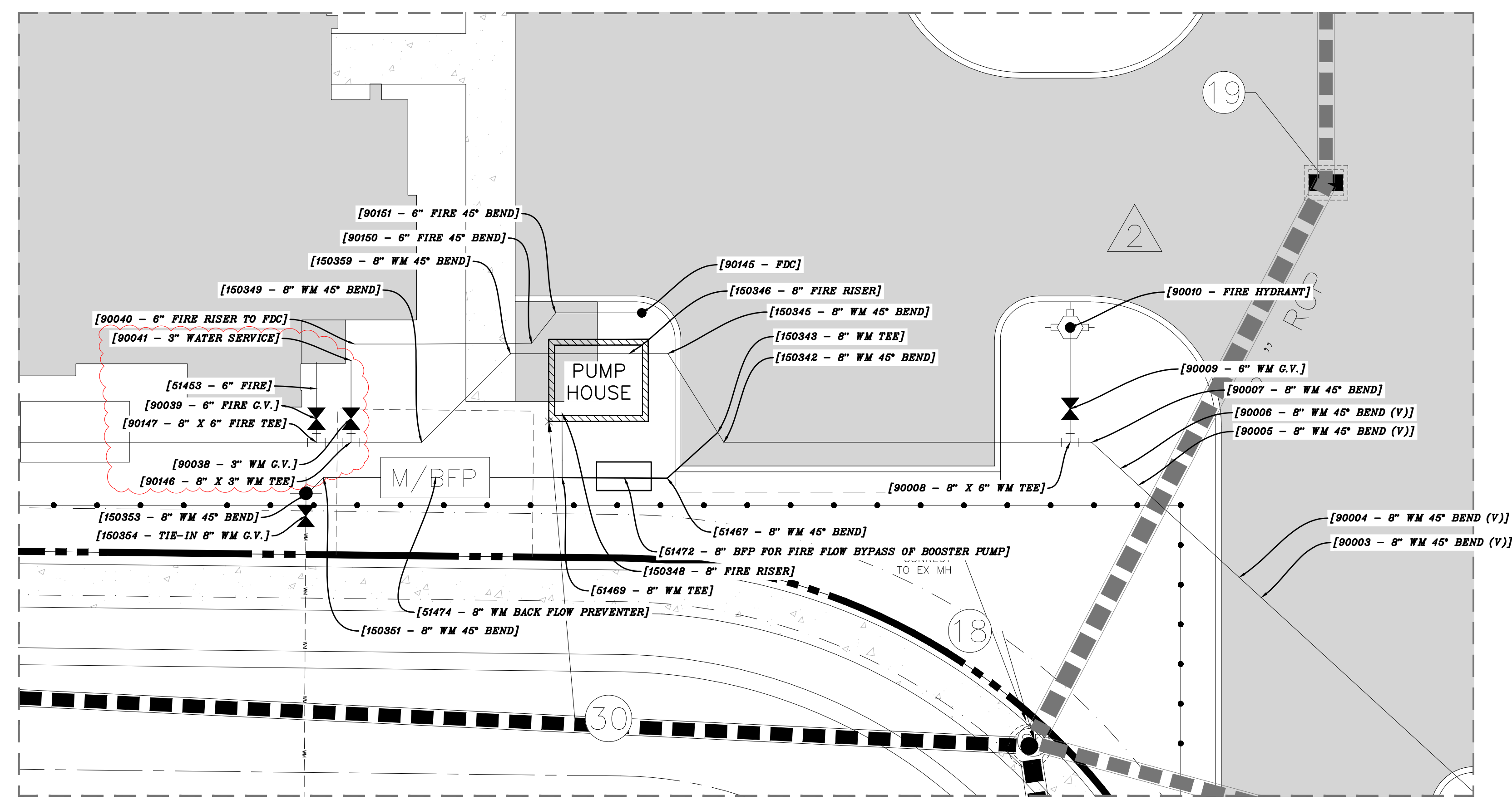
DATE: 6/2/22
 CD

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



TI INVESTORS OF MIRASOL, LLC
 REVELLO AT MIRASOL
 UTILITY PLAN

HORIZONTAL SCALE: 1"=30'
 VERTICAL SCALE: N/A
 DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-602
 PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE
 DATE: 9/8/24
 FLORIDA P.E. NO. 98084



POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90116	8" WM 45° BEND	11.8	14.8	10	76.3	14	64.5
90117	6" WM GATEVALVE	NUT=12.1	14.4	14	100.4	15	27.3
90118	8" X 6" WM TEE	11.3	14.4	14	102.8	15	24.7
90120	FIRE HYDRANT	STORZ=18.7	TOP=19.9	14	97.7	15	64
90130	6" SANITARY CLEANOUT	INV=11.2	TOP=19.01	21	46.6	23	138.9
90135	6" SANITARY CLEANOUT	INV=11.3	TOP=18.1	14	64.3	15	90.4
90136	2" WM GATEVALVE	NUT=11.5	16.0	14	60.8	15	69.6
90137	6" SANITARY CLEANOUT	INV=10.2	TOP=20.0	19	125.8	22	115.3
90138	6" SANITARY CLEANOUT	INV=10.1	TOP=19.9	19	122.3	22	94.9
90139	FDC	TOP=18.2	-	21	109.0	23	58.9
90144	8" WM 45° BEND	9.5	13.0	15	55.7	16	96.4
90145	FDC	TOP=18.6	-	19	79.8	22	146.8
90146	8" X 3" WM TEE	10.8	15.1	18	87.3	22	179.4
90147	8" X 6" FIRE TEE	12	15.0	18	89.4	22	180.7
90150	6" FIRE 45° BEND	12.2	16.0	19	93.5	22	156.7

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90151	6" FIRE 45° BEND	12.3	16.1	19	91.0	22	152.8
150155	SANITARY MH #2	16.9	-	21	122.6	24	83.2
150156	SANITARY MH #3	15.7	-	21	132.0	23	18.5
150157	SANITARY MH #4	15.4	-	8	67.3	23	48.8
150158	SANITARY MH #5	16.3	-	12	132.0	14	69.7
150159	SANITARY MH #6	16.7	-	12	104.7	14	27.2
150342	8" WM 45° BEND	12.0	16.0	18	48.1	19	71.6
150343	8" WM TEE	12.2	16.0	18	49.8	19	72.9
150345	8" WM 45° BEND	13.0	16.0	18	61.4	19	78.4
150346	8" FIRE RISER	18.0	-	-	-	-	-
150348	8" FIRE RISER	17.5	-	-	-	-	-
150349	8" WM 45° BEND	11.7	16.2	18	79	22	174.1
150351	8" WM 45° BEND	11.8	16.2	18	85.1	22	85.1
150353	8" WM 45° BEND	13	16.3	18	85.9	22	186.8
150354	(TIE-IN) 8" WM GATEVALVE	NUT=14.2	16.4	18	86.3	22	189.4
150359	8" WM 45° BEND	13	16.3	22	160.4	30	8.1

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
51441	4" SANITARY CLEANOUT	INV=9.9	TOP=17.5	18	144.2	20	42.8
51453	6" FIRE	15.9	-	18	89.5	30	25.0
51467	8" WM 45° BEND	13.1	16.2	18	50.2	19	84.5
51469	8" WM TEE	11.9	16.0	18	60.5	19	95.8
51472	8" BFP FOR FIRE FLOW BYPASS OF BOOSTER PUMP	18.5	-	18	55.4	19	89.6
51474	8" WM BACK FLOW PREVENTER	18.7	-	18	73.6	30	15.1
51475	8" X 2" WM TEE	10.9	16.0	14	60.9	15	69.7
51477	2" WATER SERVICE	16	-	14	55	15	89.8
51478	4" SANITARY CLEANOUT	INV=10.3	TOP=17.2	12	123.2	14	47.7
51479	4" SANITARY CLEANOUT	INV=11.3	TOP=17.4	12	137.8	14	80.1
51480	FIRE HYDRANT	STORZ=17.7	TOP=18.8	21	63.5	24	20.6
51482	FIRE HYDRANT	STORZ=17.1	TOP=18.2	21	39.2	23	151.7
51484	SANITARY MH #1	16.0	-	20	125.5	21	43.7
90003	8" WM 45° BEND (V)	12.4	15.4	18	30.5	19	48.9
90004	8" WM 45° BEND (V)	10.0	15.0	18	29.1	19	48.6
90005	8" WM 45° BEND (V)	10.3	16.0	18	32.1	19	41.3
90006	8" WM 45° BEND (V)	13.1	16.1	18	33.1	19	41.1
90007	8" WM 45° BEND	13.1	16.1	18	35.0	19	40.5
90008	8" X 6" WM TEE	13.2	16.4	18	35.7	19	40.7
90009	6" WM GATEVALVE	NUT=13.1	16.4	18	37.7	19	39.7
90010	FIRE HYDRANT	STORZ=17.7	TOP=18.9	18	47.9	19	33.8
90012	8" WM 45° BEND	12.4	15.4	18	51.9	19	74.0
90013	8" X 3/4" SADDLE AND CORP	11.7	15.0	18	67.0	19	78.9
90014	3/4" WATER SERVICE	15.8	-	18	104.5	20	45.1
90015	1" WATER SERVICE	16.6	-	20	51.4	21	103.8
90016	8" WM 45° BEND	12.5	15.5	20	74.0	21	89.3
90017	WATER SERVICE	15.3	-	21	108.9	24	65.5

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90018	8" WM 45° BEND	12.4	15.4	20	103.4	21	63.1
90019	6" WM GATEVALVE	NUT=13.4	15.3	20	105.7	21	60.1
90020	8" X 6" WM TEE	12.4	15.4	20	107.2	21	55.9
90021	6" WM GATEVALVE	NUT=12.2	15.4	20	109.2	21	55.4
90022	8" WM GATEVALVE	NUT=12.4	15.4	20	107.9	21	52.9
90023	3" WM GATEVALVE	NUT=10.9	14.0	8	132.8	23	53.0
90024	6" WM GATEVALVE	NUT=11.0	14.0	8	129.4	23	48.9
90025	8" WM 45° BEND (V)	9.3	15.0	8	94.2	23	12.6
90026	8" WM 45° BEND (V)	10.6	15.0	8	96.1	23	13.0
90027	8" WM 45° BEND (V)	8.8	15.0	8	78.3	23	13.6
90028	8" WM 45° BEND (V)	12.3	15.3	8	76.1	23	15.9
90029	6" WM GATEVALVE	NUT=11.9	15.0	8	57.5	23	41.2
90030	8" WM GATEVALVE	NUT=12.1	15.1	8	55.6	23	44.1
90031	8" X 6" WM TEE	12.2	15.2	8	56.6	23	43.1
90032	8" WM 45° BEND	11.9	15.1	8	51.8	23	53.4
90033	FIRE HYDRANT	STORZ=17.9	TOP=19.1	8	36.4	23	56.7
90035	6" FIRE RISER TO FDC	17.7	-	8	119.4	23	70.1
90036	6" FIRE RISER	17.7	-	8	120.7	23	71
90037	WATER SERVICE	16.3	-	8	125.8	23	68.9
90038	3" PVC WATER SERVICE	11.5	15.1	18	88.8	30	25.2
90039	6" FIRE GATEVALVE	12.1	15.1	18	89.9	30	27.2
90040	6" FIRE RISER TO FDC	16.9	-	18	92.7	19	115.3
90041	3" PVC WATER SERVICE	16.9	-	18	91.9	19	115.5
90112	8" WM 45° BEND (V)	10.8	14.0	10	42.2	14	113.5
90113	8" WM 45° BEND (V)	9.3	14.0	10	45.5	14	110
90114	8" WM 45° BEND (V)	9.2	14.0	10	55.9	14	90.2
90115	8" WM 45° BEND (V)	11	14.0	10	56.9	14	89.4

NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ()
 NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS []

AS-BUILT DRAWING

ATWELL
866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
 6815 STATE ROAD 161 EAST BRADENTON, FLORIDA 34308
 (941) 748-8340 (941) 896-9938 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS SHOWN WITHOUT THE ORIGINAL SIGNATURE AND A SEAL OF FLORIDA TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF IS 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: 05-15-2024
 DATE OF FIELD SURVEY: 10-02-2023

Gerald D. Stroop, Jr.
 FLORIDA CERTIFICATE NO. 4679

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
90160	8" X 6" WM TEE	9.8	14.0	21	101.1	23	48.9
90161	8" X 3" WM TEE	10.0	14.0	21	97.2	23	52.8
90162	8" X 6" WM TEE	12.4	15.4	21	60.3	24	22.6
90163	8" X 3/4" WM TAPPING SLEEVE	12.4	15.4	21	72.3	24	35.6
90164	3/4" WM CORP STOP	NUT=12.6	15.4	21	74.4	24	36.8
90165	8" X 1" WM TEE	12.3	15.5	20	51.8	24	74.4
90166	1" WM CORP STOP	NUT=12.6	15.5	20	51.7	24	75.5

RECORD
DRAWING

SWING TIE	DESCRIPTION
8	CL GRATE INLET
9	CL GRATE INLET
10	CL GRATE INLET
12	CL GRATE INLET @ EP
14	CL GRATE INLET @ EP
15	CL GRATE INLET
16	CL GRATE INLET
17	CL GRATE INLET
18	CL STORM MANHOLE
19	CL GRATE INLET
20	CL GRATE INLET
21	CL GRATE INLET
22	CL GRATE INLET
23	CL GRATE INLET
24	SANITARY MANHOLE #1
30	SW CORNER OF PUMP HOUSE

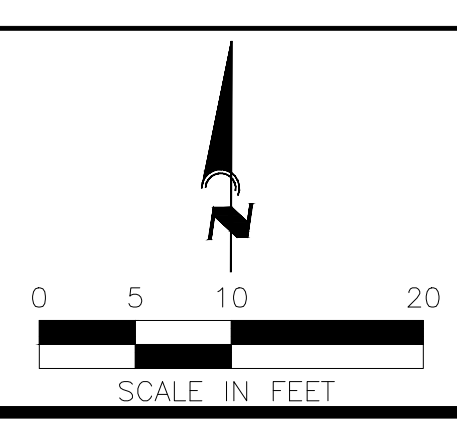
REV. No.	REV. DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CDV & CONTRACTOR COMMENTS	MF
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
4	04/12/23	CHANGES PER CONTRACTOR COMMENTS	CD
8	06/28/23	CHANGES PER CONTRACTOR COMMENTS	JLC
9	07/21/23	REVISIONS PER COUNTY & CONTRACTOR COMMENTS	CD
01/04/24		RECORD DRAWINGS	ATWELL

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: 6/2/22
 ISSUE DESCRIPTION: CONSTRUCTION PLANS

AM ENGINEERING, LLC.
Civil Engineering | Land Surveying

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



PROJECT: TI INVESTORS OF MIRASOL, LLC
 CLIENT: REVELLO AT MIRASOL
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-602A

UTILITY PLAN

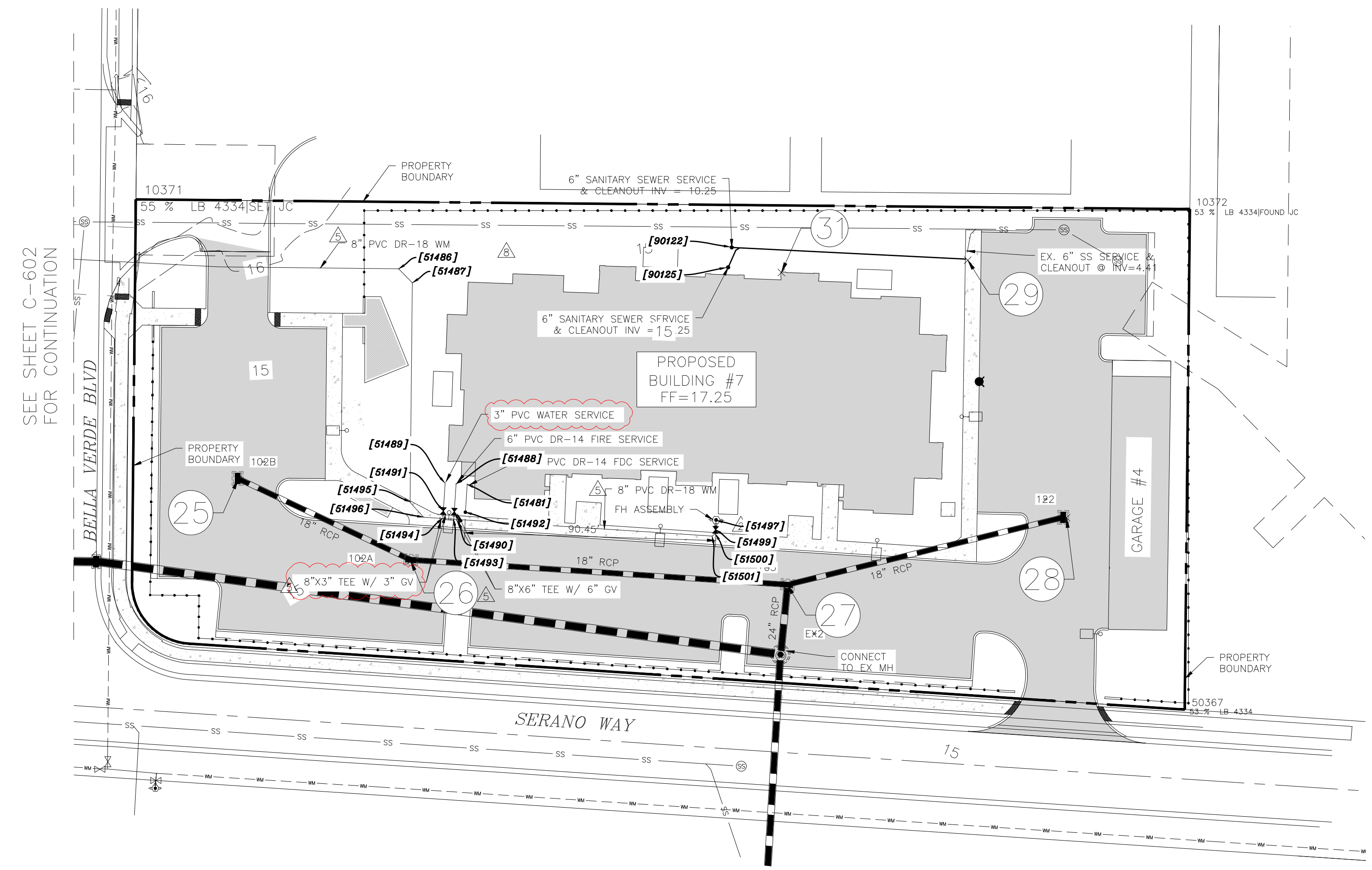
BOBBY R. CLAYBROOKE, PE
 DATE: _____
 FLORIDA P.E. No. 98084

POINT	DESCRIPTION	ELEV	COVER ELEV	SWING PT 1	DIST(FT)	SWING PT 2	DIST(FT)
51486	8" WM 45° BEND	11.9	16.5	25	94.5	26	103.8
51481	6" FIRE RISER TO FDC	16.5	-	25	82.7	26	34.4
51487	8" WM 45° BEND	11.9	16.5	25	94.7	26	100.2
51488	6" FIRE RISER	16.5	-	25	78.7	26	32.3
51489	WATER SERVICE	16.4	-	25	73.5	26	30.3
51490	6" WM GATEVALVE	NUT=13.1	13.0	26	24.1	27	123.7
51491	3" WM GATEVALVE	NUT=12.6	16.0	26	21.8	27	126.7
51492	FDC	16.1	-	25	83.1	26	26.8
51493	8" X 6" WM TEE	11.8	16.2	26	21.6	27	122.5
51494	8" X 3" WM TEE	11.8	16.0	26	19.2	27	126.4
51495	8" WM 45° BEND	11.8	16.2	25	62.6	26	21.0
51496	8" WM 45° BEND	11.8	16.2	25	68.3	26	16.4
51497	FHA	STORZ=17.9	TOP=19.2	26	110.3	27	34.7
51499	8" WM GATEVALVE	NUT=14.3	15.9	26	110.5	27	32.2
51500	8" WM 45° BEND	13.1	16.0	26	110.6	27	31
51501	8" WM 45° BEND	13.1	16.0	26	108.5	27	32.0
90122	6" SANITARY CLEANOUT	INV=10.2	TOP=18.9	29	85.9	31	21.1
90125	6" SANITARY CLEANOUT	INV=10.9	TOP=19.1	29	86.5	31	19.6

SWING TIE	DESCRIPTION
25	CL GRATE INLET
26	CL GRATE INLET
27	CL GRATE INLET
28	CL GRATE INLET
29	EX SANITARY CLEANOUT
31	BUILDING 7 CORNER


CITY MAINTAINED WATER ENDS AT BACK-FLOW PREVENTER BEHIND THE PUMP HOUSE. ALL SANITARY IS CITY MAINTAINED

RECORD DRAWING



NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ()
 NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS []

AS-BUILT DRAWING



866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
 6813 STATE ROAD 70 EAST, BRADENTON, FLORIDA 34203
 (941) 748-8369 (941) 506-9939 FAX

I HEREBY CERTIFY THAT THE AS-BUILT DRAWING OF THE IMPROVEMENTS NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND A SEAL OF FLORIDA SHOWN IN BRACKETS [] UPON THE PERSON CONSTRUCTING THEM. I, LICENSED SURVEYOR AND MAPPER, THE SEAL APPEARING ON THIS TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, A TRUE AND CORRECT REPRESENTATION OF THE IMPROVEMENTS AS SHOWN AND HERE COLLECTED IN THE FIELD BY A REPRESENTATIVE UNDER THE DIRECT SUPERVISION OF THE SURVEYOR AND MAPPER.

DATE OF CERTIFICATION 02-15-2024
 DATE OF FIELD SURVEY 10-02-2023

Gerald D. Stroop, Jr.
 GERALD D. STROOP, JR., P.S.M.
 FLORIDA CERTIFICATE NO. 4679

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER COV & CONTRACTOR COMMENTS	MF
5	05/10/23	CHANGES PER CITY UTIL COMMENTS	ERC
8	06/28/23	REVISIONS PER CONTRACTOR COMMENTS	JLC
01/04/24		RECORD DRAWINGS	ATWELL

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.

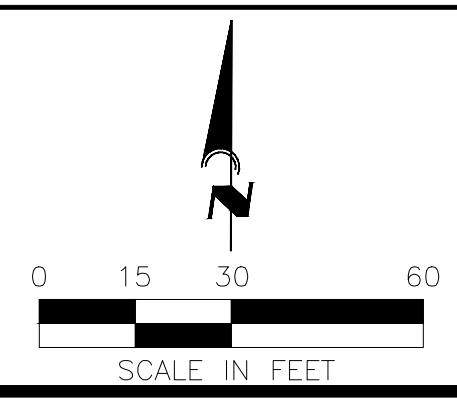
ISSUE DATE: 6/2/22
 ISSUE BY: CD

CONSTRUCTION PLANS



Civil Engineering | Land Surveying

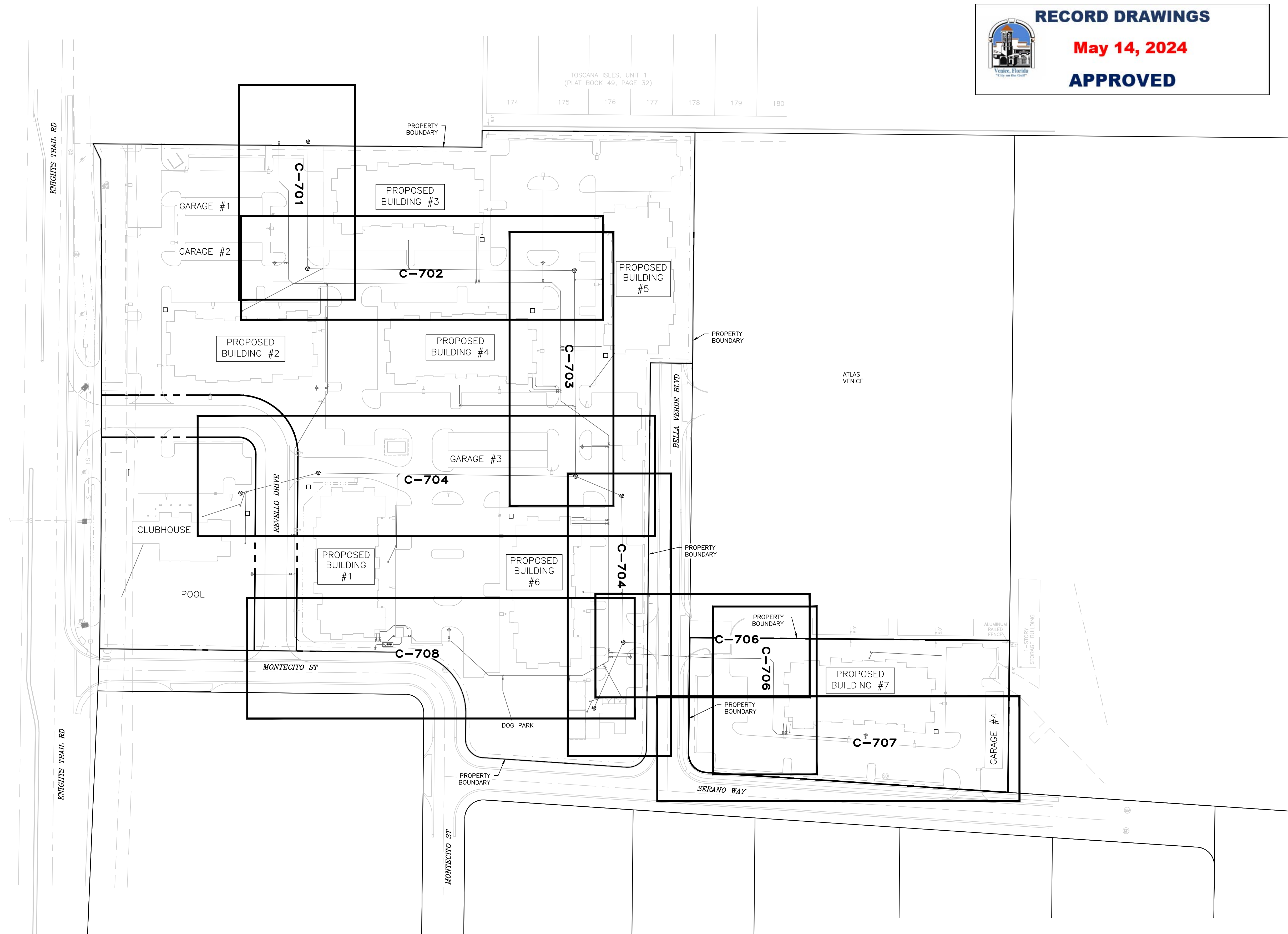
8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengll.com
 CA #33105 | LB #4334



CLIENT: TI INVESTORS OF MIRASOL, LLC
 PROJECT: REVELLO AT MIRASOL
 TITLE: UTILITY PLAN

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: N/A
VERTICAL DATUM: NGVD 29
PROJECT NUMBER: TOWN0002
SHEET NUMBER: C-603

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



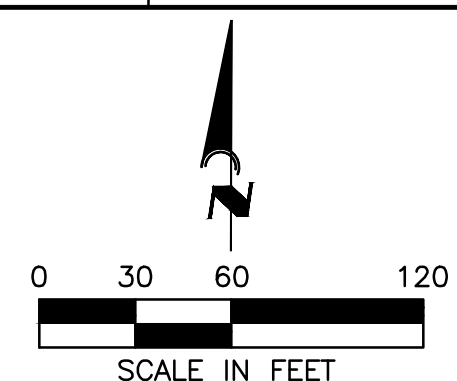
RECORD DRAWING

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REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
01/04/23	RECORD DRAWINGS		ATWELL				

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 ISSUE DATE: 6/2/22
 ISSUED BY: CD
CONSTRUCTION PLANS

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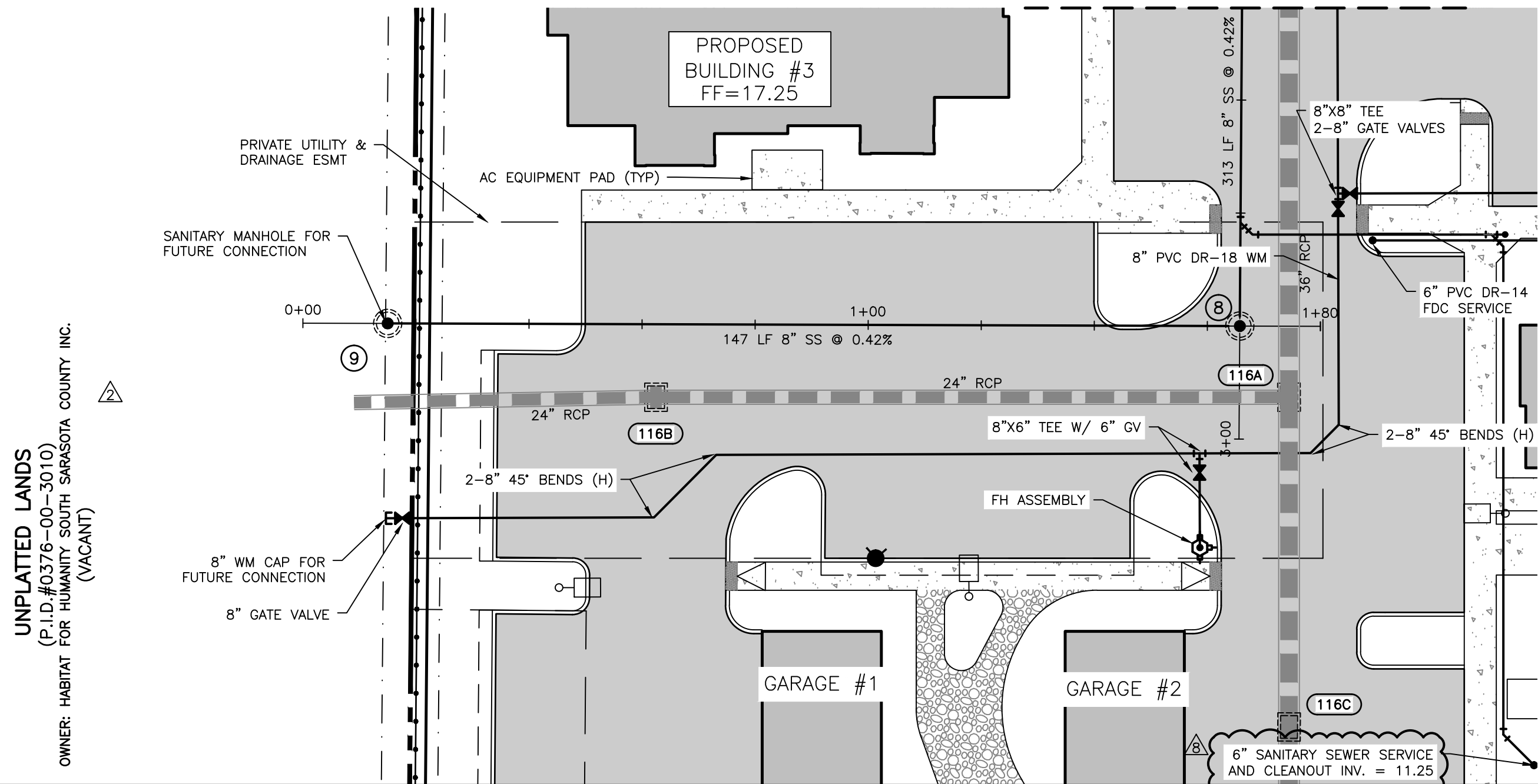
CLIENT: TI INVESTORS OF MIRASOL, LLC
 PROJECT: REVELLO AT MIRASOL
 TITLE: UTILITY PLAN & PROFILE KEY SHEET

HORIZONTAL SCALE:	1"=60'
VERTICAL SCALE:	N/A
VERTICAL DATUM:	NGVD 29
PROJECT NUMBER:	TOWN0002
SHEET NUMBER:	C-700

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

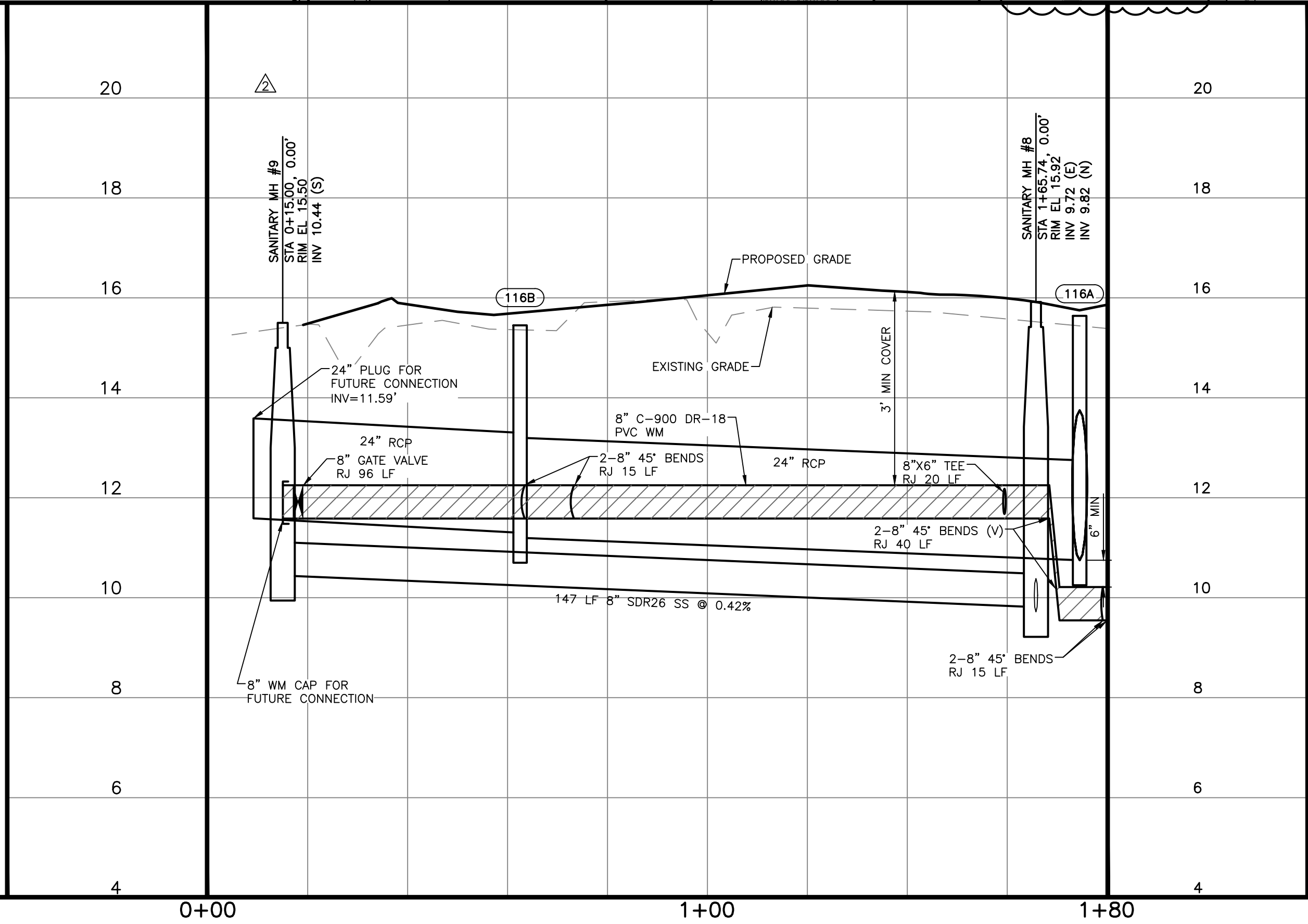
RECORD DRAWINGS
May 14, 2024
APPROVED

SEE SHEET C-702
FOR CONTINUATION



ALL UTILITY RECORD DATA ON UTILITY
PLAN SHEETS C-601 TO C-603

RECORD
DRAWING



REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CDV & CONTRACTOR COMMENTS	MF				
8	06/28/23	REVISIONS PER CDV & CONTRACTOR COMMENTS	JLC				
	01/04/23	RECORD DRAWINGS	ATWELL				

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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.

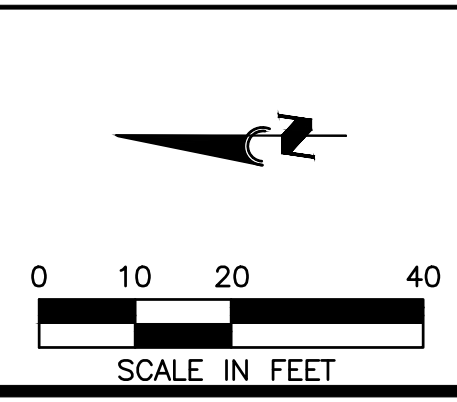
ISSUE DATE: **6/2/22** CD

CONSTRUCTION PLANS

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Phone: (941) 377-9178 | www.amengfl.com
CA #33105 | LB #4334



PROJECT: **TI INVESTORS OF MIRASOL, LLC**

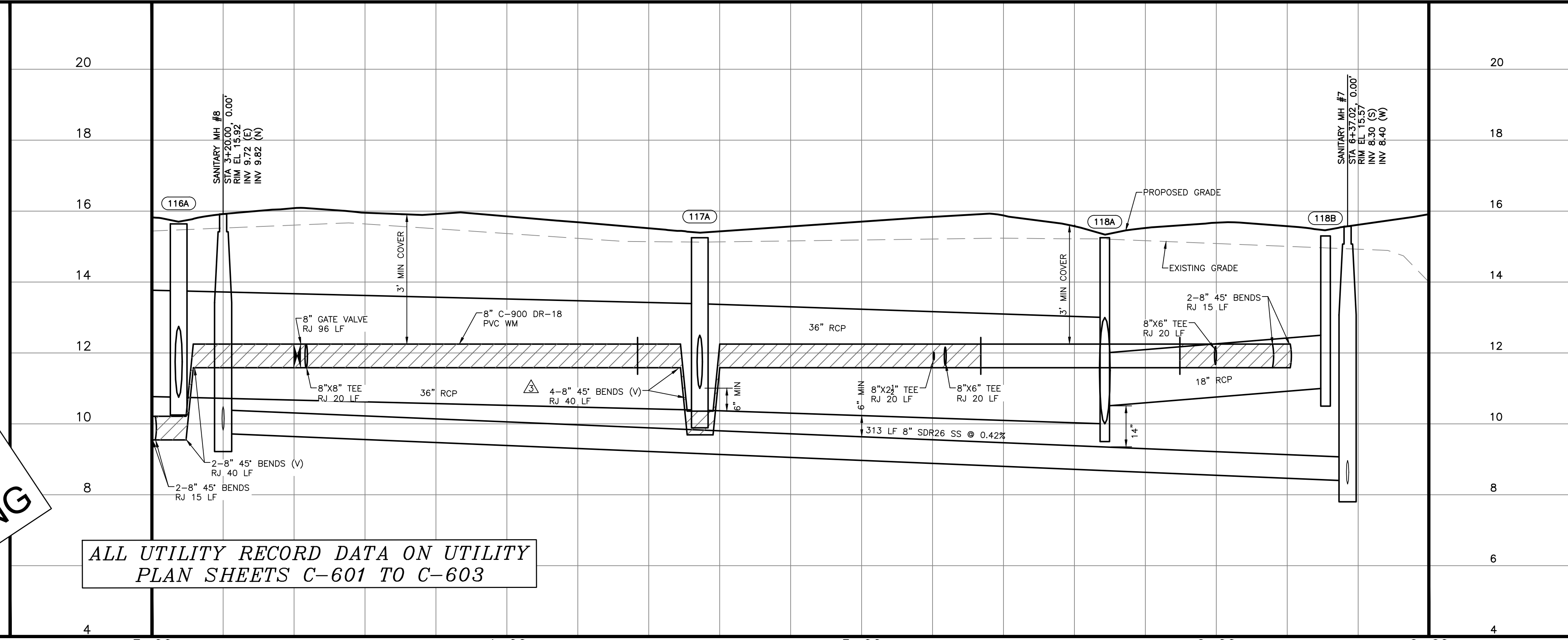
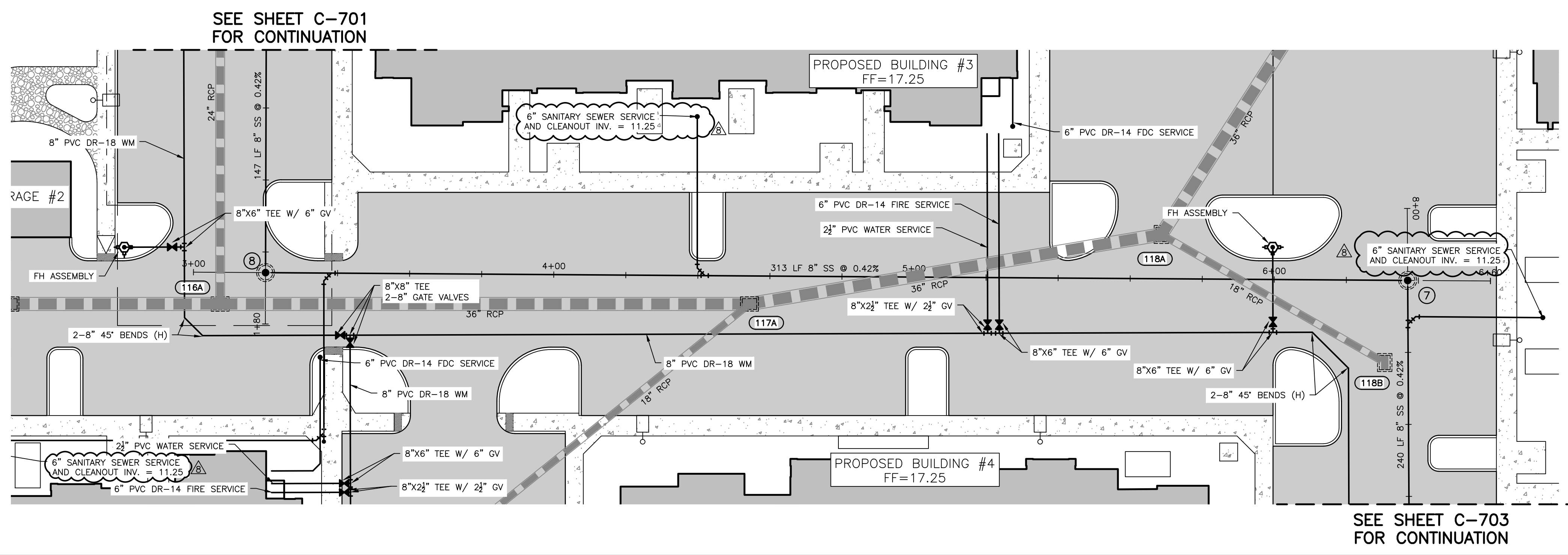
PROJECT: **REVELLO AT MIRASOL**

TITLE: **UTILITY PLAN & PROFILE**

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'
VERTICAL DATUM: NGVD 29
PROJECT NUMBER: TOWN0002
SHEET NUMBER: **C-701**

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

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RECORD DRAWING

NO.	REV. DATE	REVISION DESCRIPTION	BY	DATE
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD	
8	06/28/23	PER COV AND CONTRACTOR COMMENTS	JLC	
	01/04/23	RECORD DRAWINGS	ATWELL	

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 "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: 6/2/22

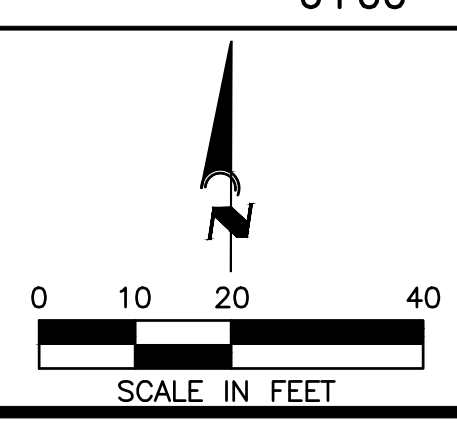
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CONSTRUCTION PLANS

Civil Engineering | Land Surveying

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



CLIENT: TI INVESTORS OF MIRASOL, LLC

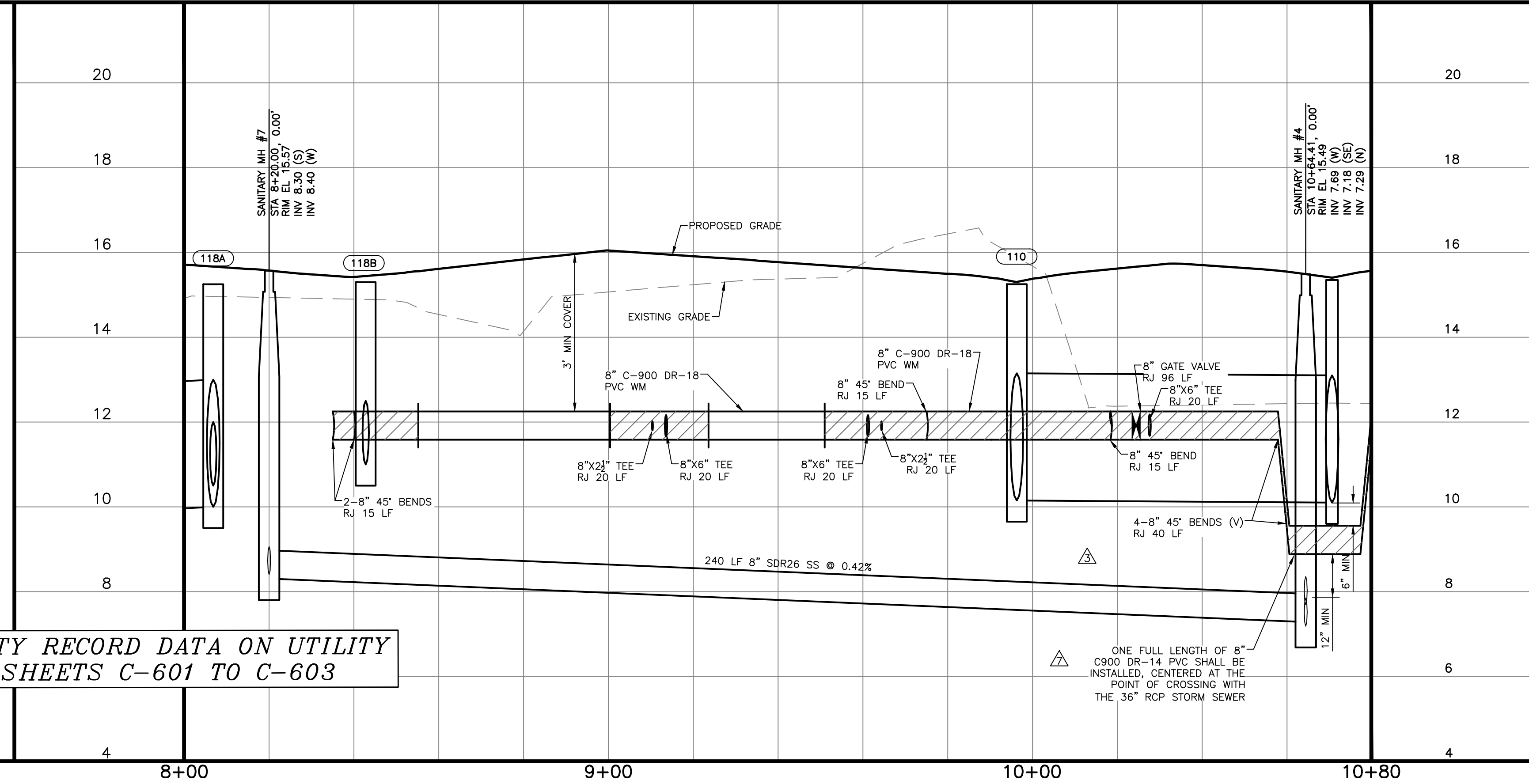
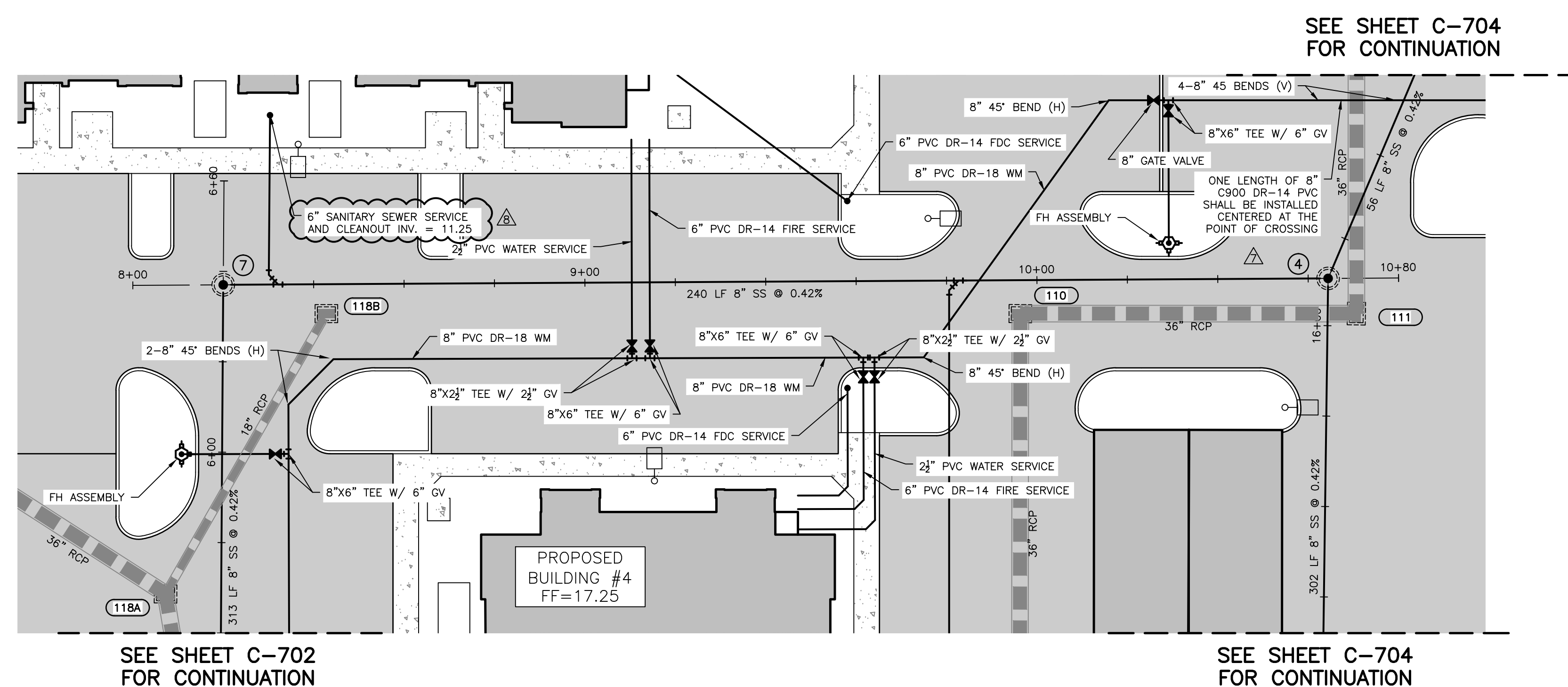
PROJECT: REVELLO AT MIRASOL

TITLE: UTILITY PLAN & PROFILE

HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=2'
 VERTICAL DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-702

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

RECORD DRAWINGS
May 14, 2024
APPROVED

RECORD DRAWING

ALL UTILITY RECORD DATA ON UTILITY PLAN SHEETS C-601 TO C-603

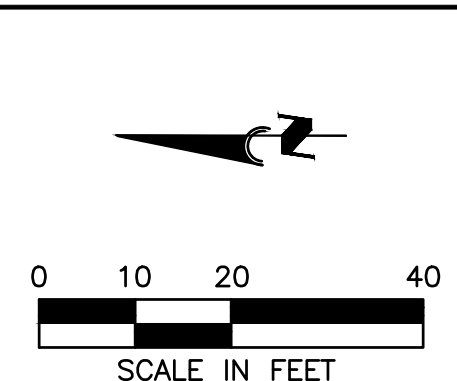
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
7	06/22/23	REVISIONS PER FDEP COMMENTS	CD
8	06/28/23	REVISIONS PER COV AND CONTRACTORS COMMENTS	JLC
	01/04/24	RECORD DRAWINGS	ATWELL

BY	REV. DATE	REVISION DESCRIPTION

CALL BEFORE YOU DIG!
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 THE CONTRACTOR SHALL NOTIFY "SUNSHINE STATE ONE-CALL CENTER" AND ALL OTHER UTILITIES FOR LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
 ISSUE DATE: 6/2/22
 CD
CONSTRUCTION PLANS



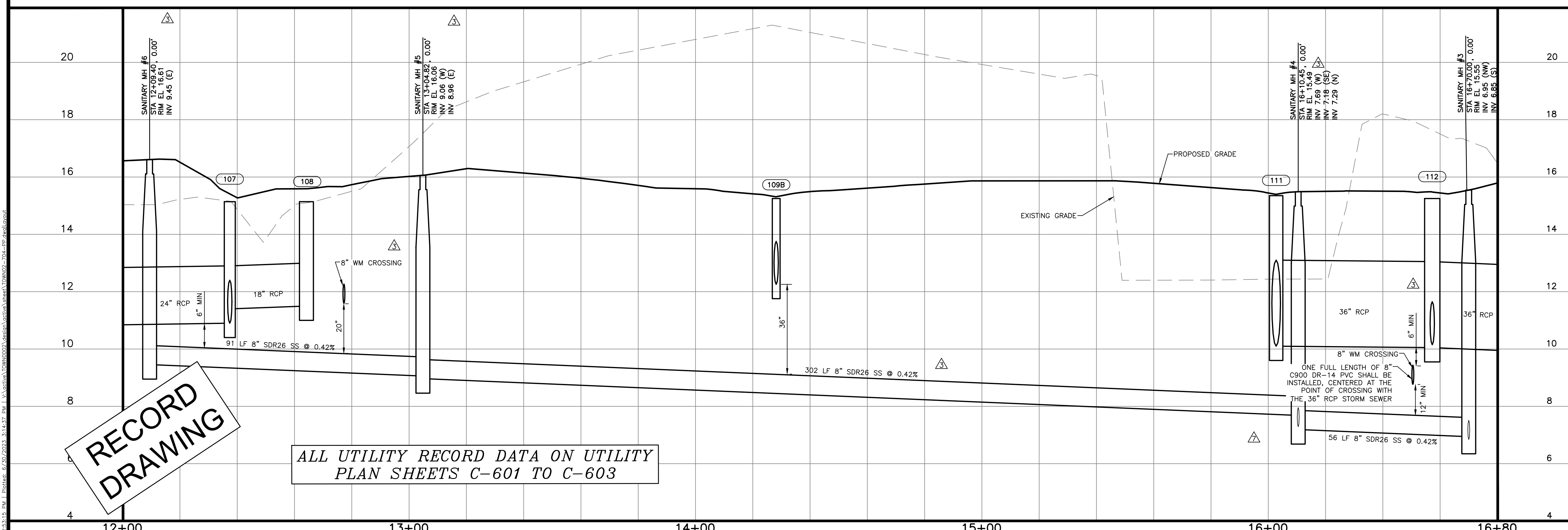
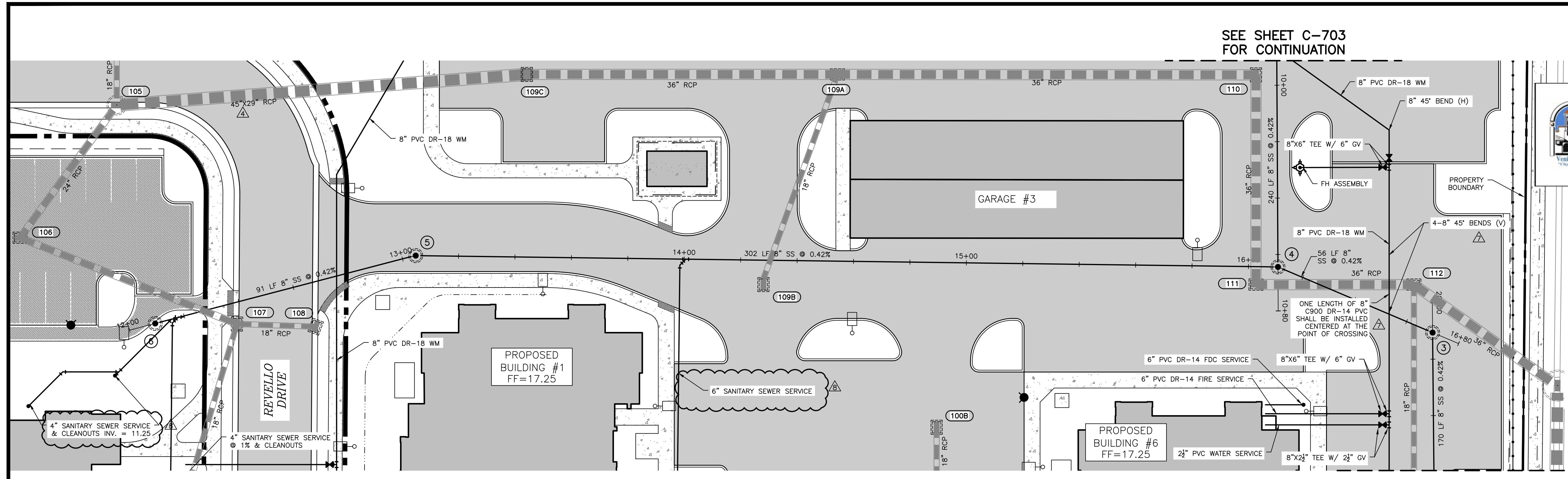
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 CA #33105 | LB #4334



OWNER: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 TITLE: **UTILITY PLAN & PROFILE**

HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=2'
 VERTICAL DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-703

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



RECORD DRAWING

ALL UTILITY RECORD DATA ON UTILITY PLAN SHEETS C-601 TO C-603

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
4	04/12/23	CHANGES PER CONTRACTOR COMMENTS	CD
7	06/22/23	REVISIONS PER FDEP COMMENTS	CD
8	06/28/23	CHANGES PER CONTRACTOR COMMENTS	JLC
	01/04/24	RECORD DRAWINGS	ATWELL

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: 6/2/22

ISSUE BY: CD

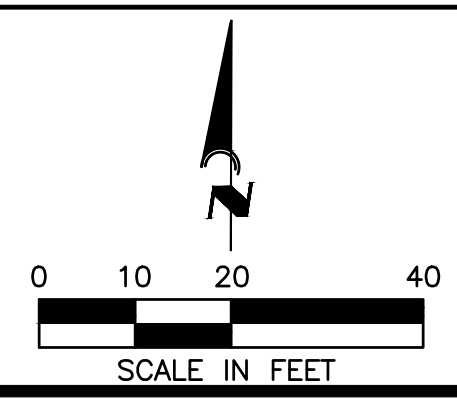
CONSTRUCTION PLANS

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



PROJECT: TI INVESTORS OF MIRASOL, LLC

PROJECT: REVELLO AT MIRASOL

PROJECT: UTILITY PLAN & PROFILE

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=2'

VERTICAL DATUM: NGVD 29

PROJECT NUMBER: TOWN0002

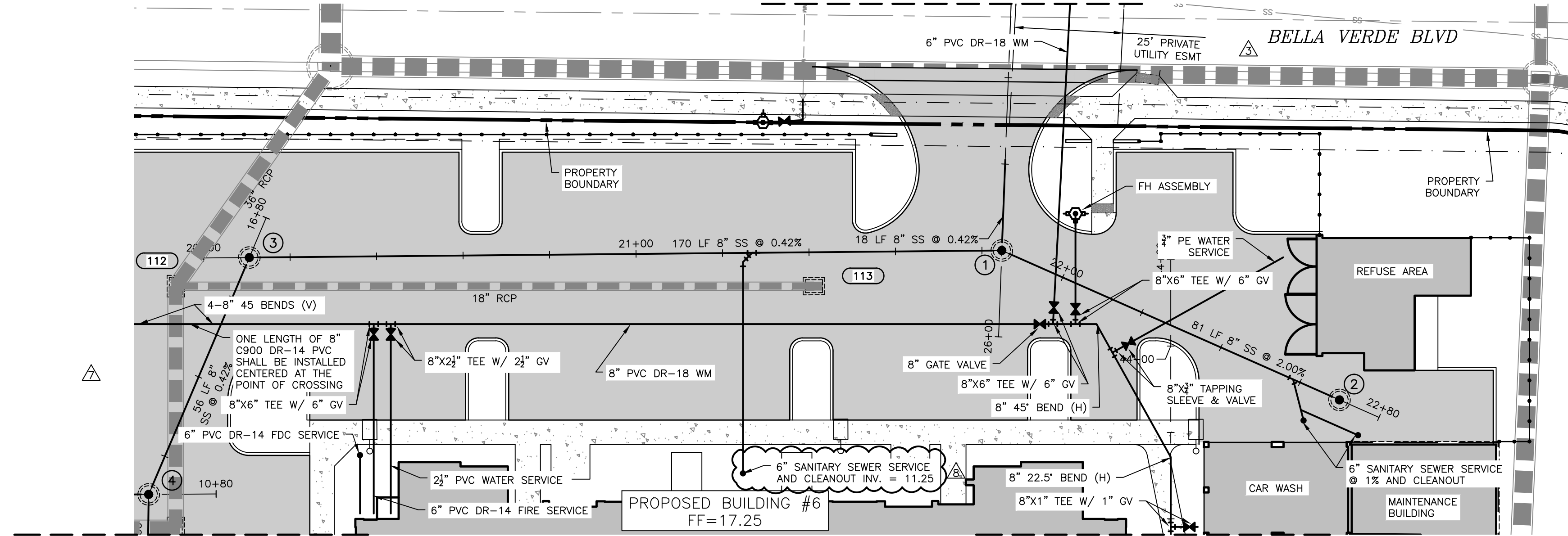
SHEET NUMBER: C-704

PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE

DATE: _____

FLORIDA P.E. No. 90804

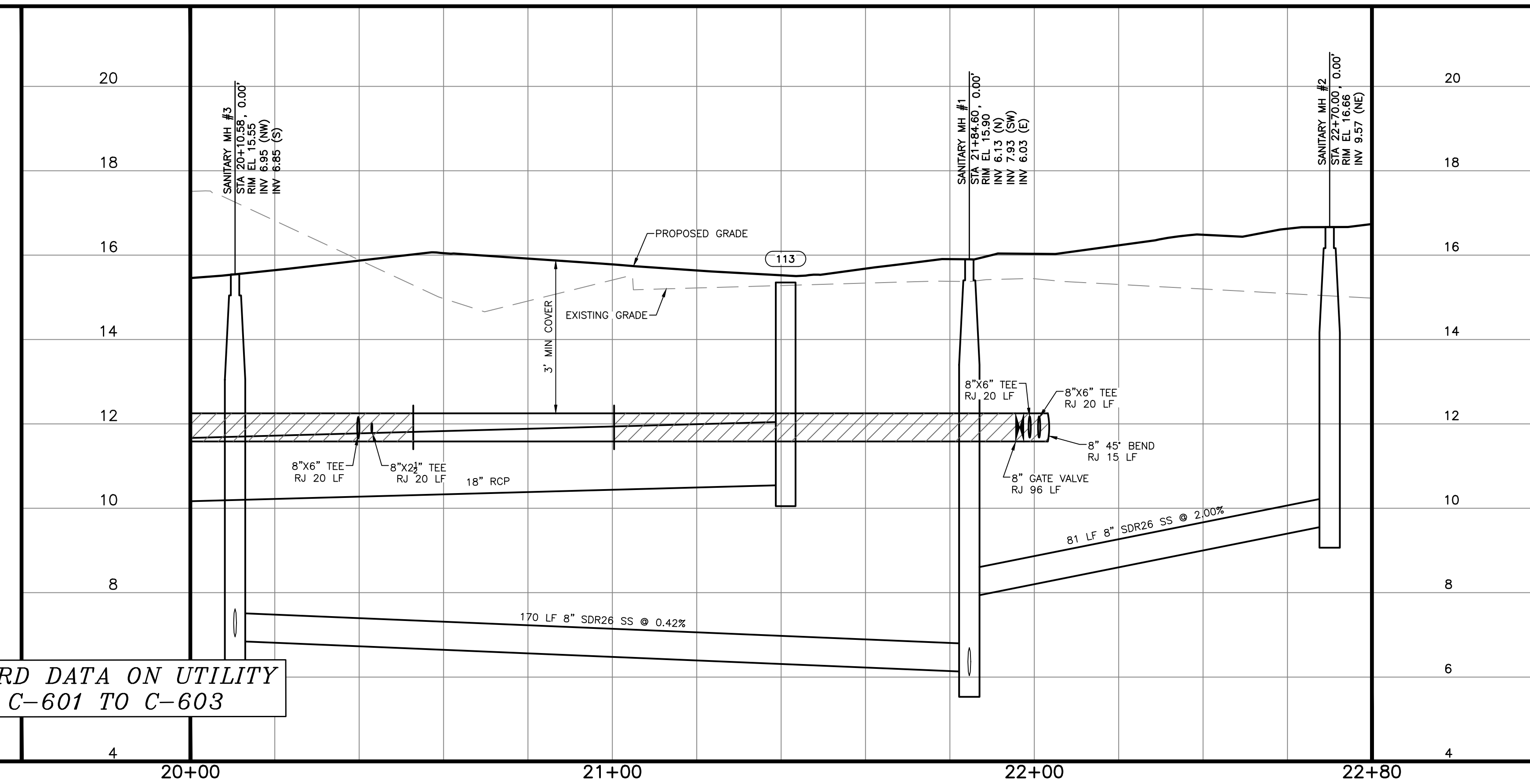
SEE SHEET C-706
FOR CONTINUATION



SEE SHEET C-704
FOR CONTINUATION

SEE SHEET C-708
FOR CONTINUATION

RECORD DRAWINGS
May 14, 2024
APPROVED



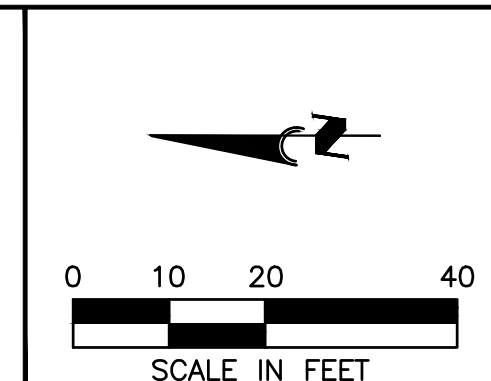
**RECORD
DRAWING**

ALL UTILITY RECORD DATA ON UTILITY
PLAN SHEETS C-601 TO C-603

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	DATE
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD	
7	06/22/23	REVISIONS PER FDEP COMMENTS	CD	
8	06/28/23	REVISIONS PER CONTRACTOR COMMENTS	JLC	
	01/04/24	RECORD DRAWINGS	ATWELL	

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ISSUE DATE: **6/2/22**
ISSUE DESCRIPTION: **CD**
CONSTRUCTION PLANS

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



CLIENT: **TI INVESTORS OF MIRASOL, LLC**
PROJECT: **REVELLO AT MIRASOL**
SHEET: **UTILITY PLAN & PROFILE**

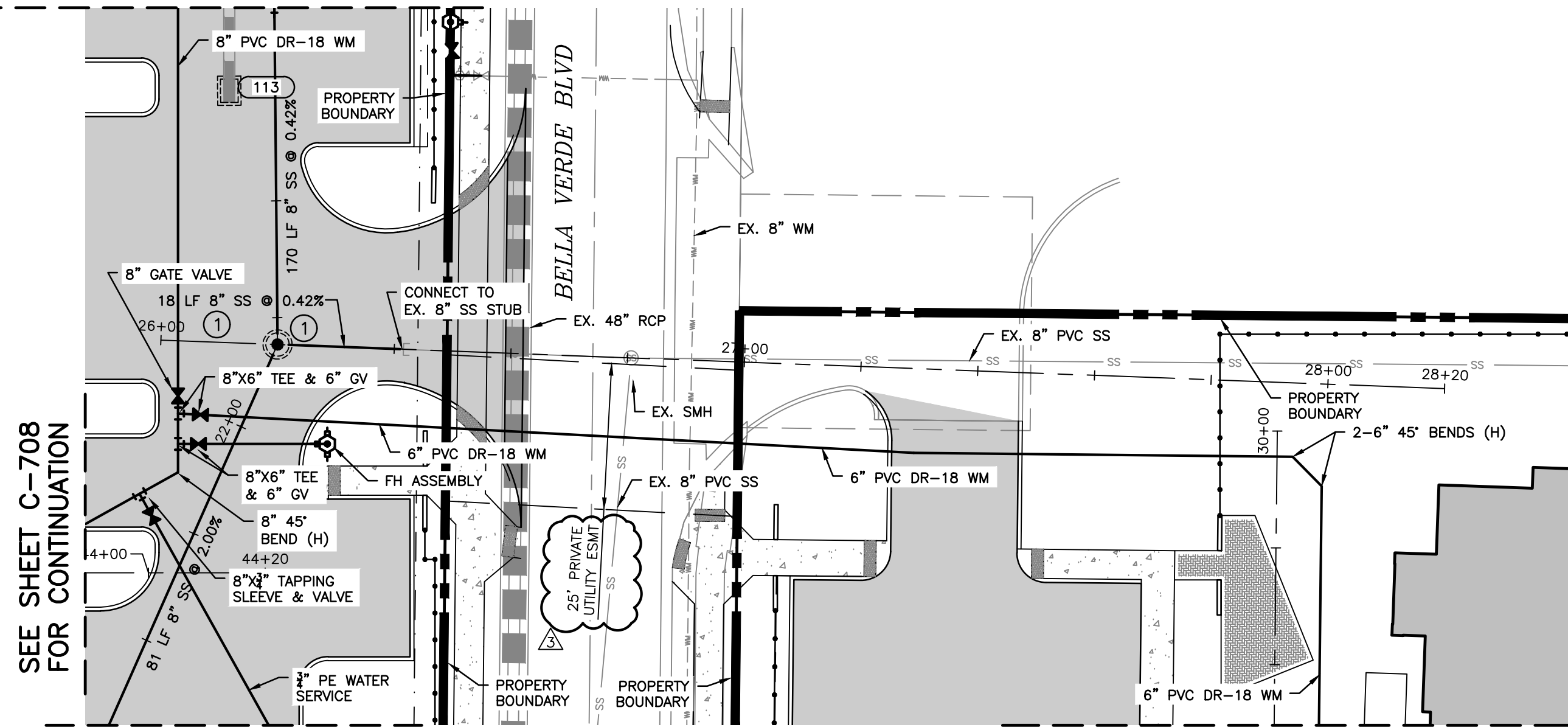
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VERTICAL SCALE: **1"=2'**
VERTICAL DATUM: **NGVD 29**
PROJECT NUMBER: **TOWN0002**
SHEET NUMBER: **C-705**

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

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SEE SHEET C-705 FOR CONTINUATION

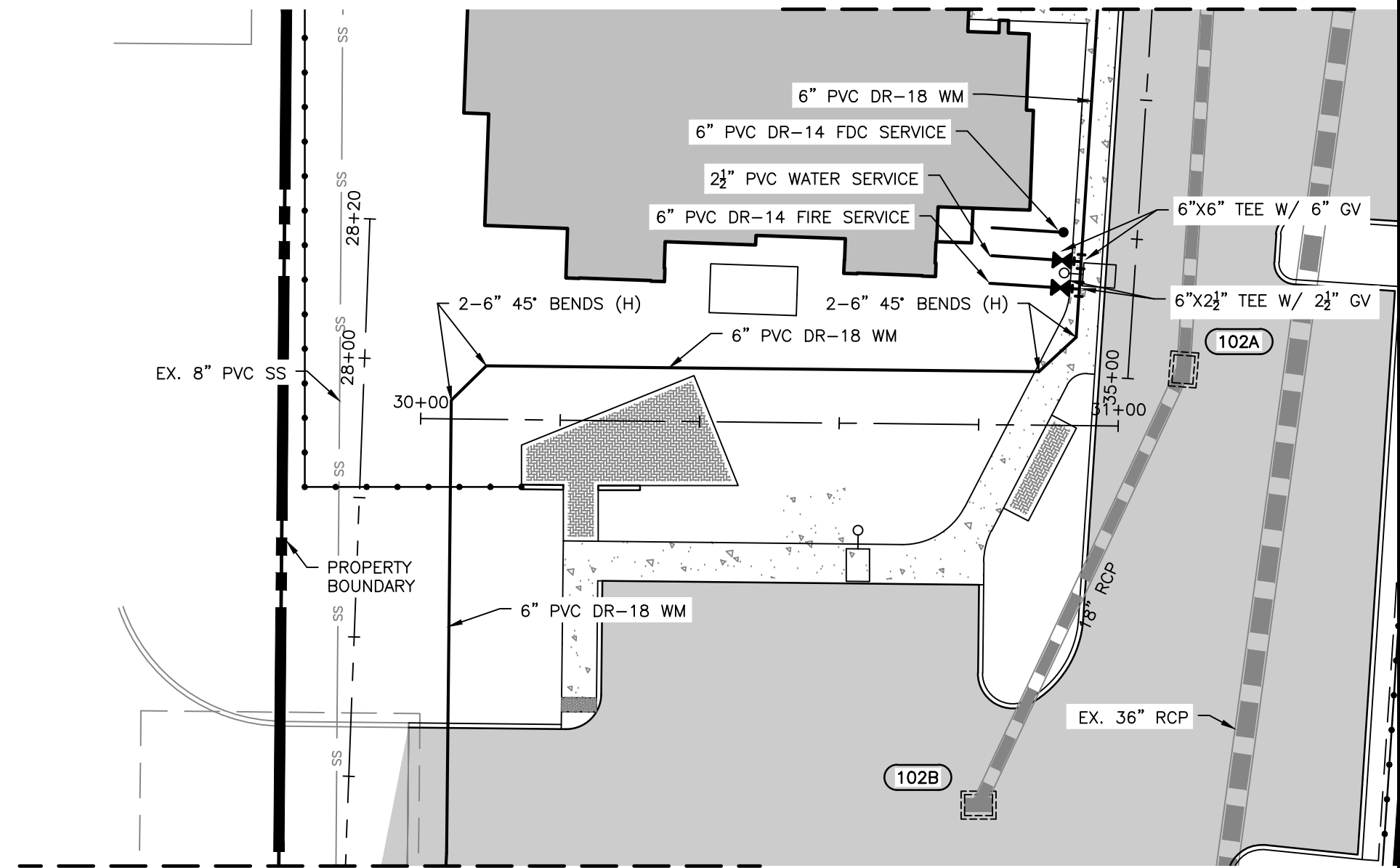
SEE SHEET C-707 FOR CONTINUATION



SEE SHEET C-708 FOR CONTINUATION

SEE SHEET C-705 FOR CONTINUATION

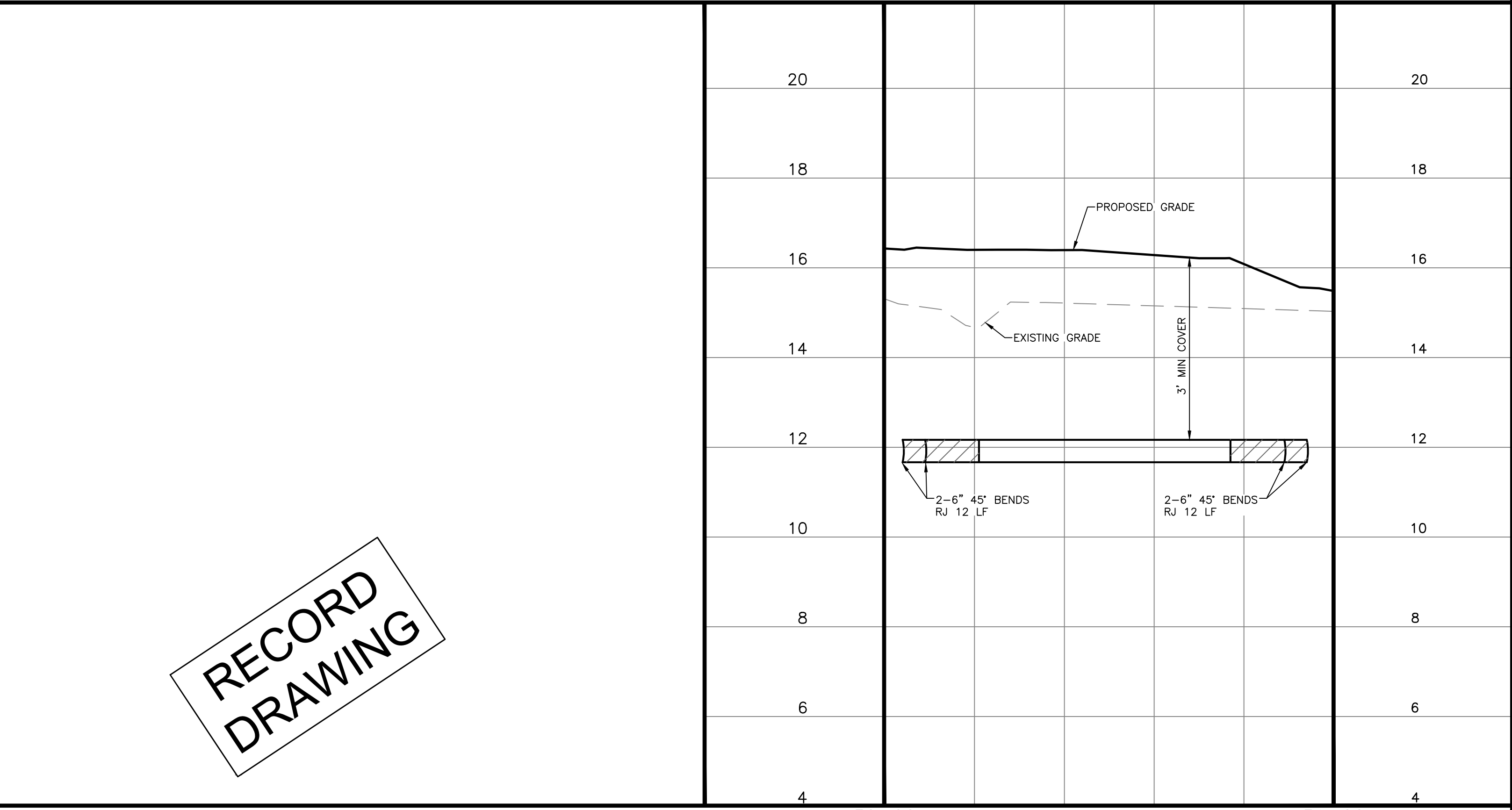
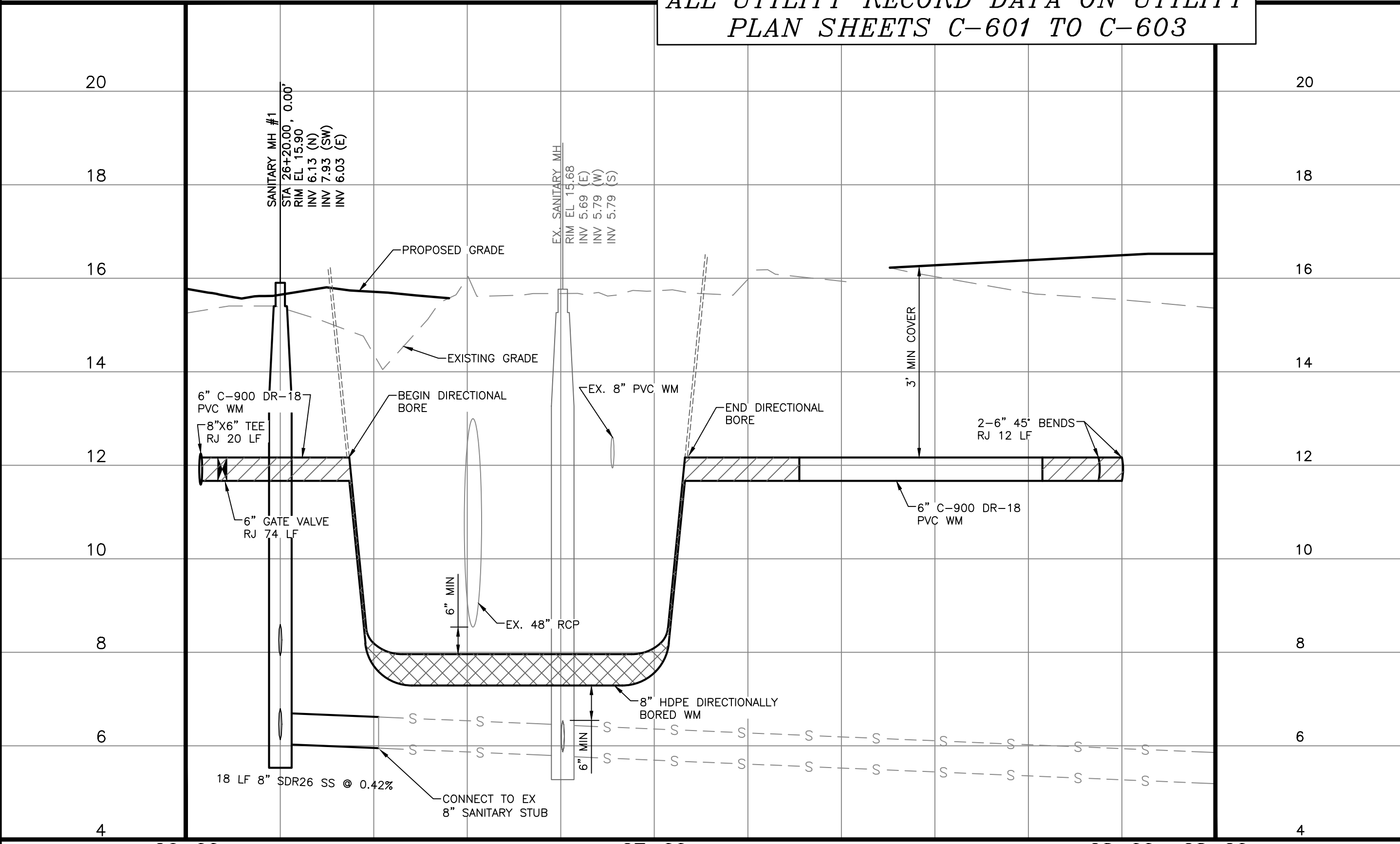
SEE THIS SHEET CONTINUATION



SEE THIS SHEET FOR CONTINUATION

REFER TO SHEET B1 AT END OF SET FOR BORE DATA.

ALL UTILITY RECORD DATA ON UTILITY PLAN SHEETS C-601 TO C-603

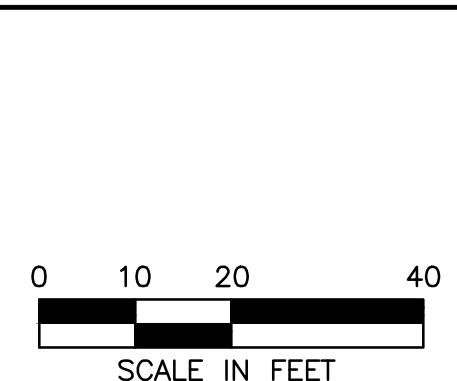


RECORD DRAWING

NO.	REV. DATE	REVISION DESCRIPTION	BY	DATE
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD	
	01/04/24	RECORD DRAWINGS	ATWELL	

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 ISSUE DATE: 6/2/22
 CD
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AM ENGINEERING, LLC.
 Civil Engineering | Land Surveying
 8340 Consumer Court Sarasota, FL 34240
 Phone: (941) 377-9178 | www.amengfl.com
 CA #33105 | LB #4334



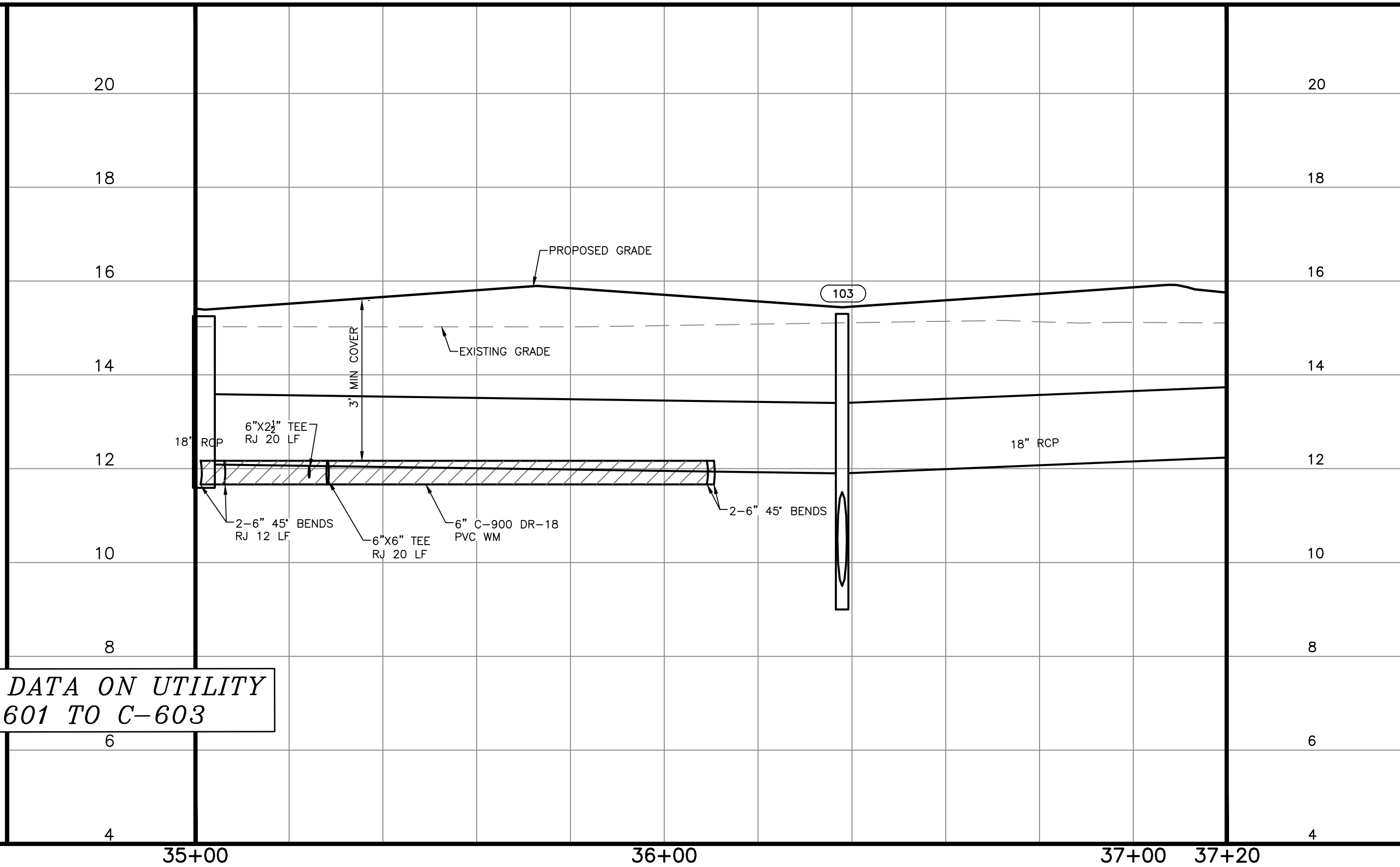
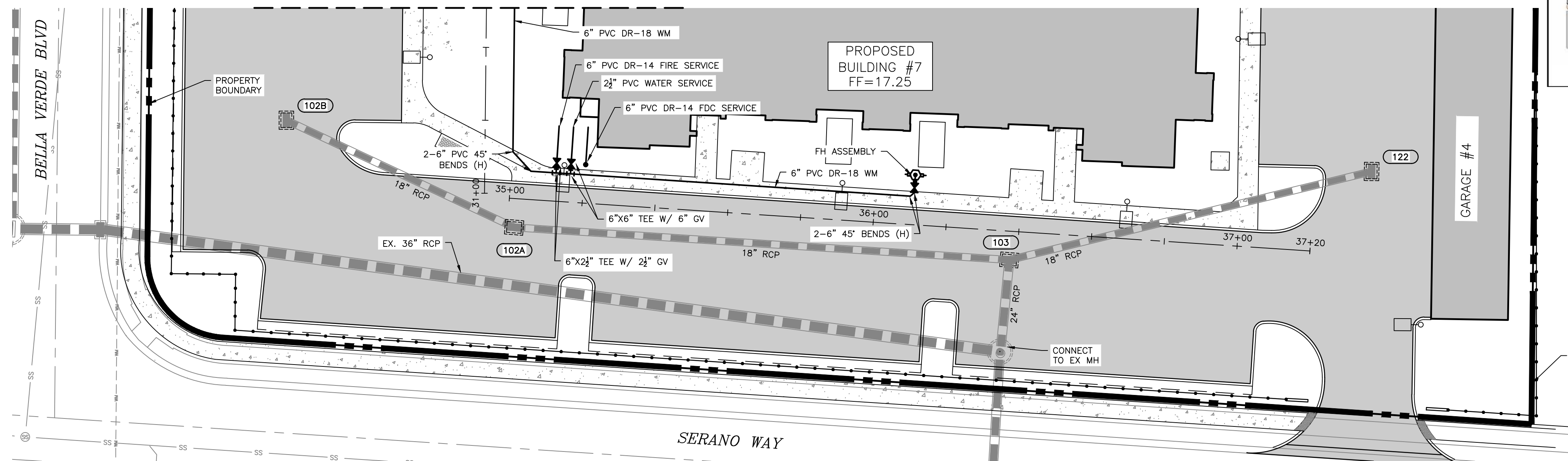
CLIENT: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 SHEET: **UTILITY PLAN & PROFILE**

HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=2'
 VERTICAL DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: **C-706**

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

SEE SHEET C-706
FOR CONTINUATION

RECORD DRAWINGS
May 14, 2024
APPROVED



ALL UTILITY RECORD DATA ON UTILITY
PLAN SHEETS C-601 TO C-603

RECORD
DRAWING

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SCALE IN FEET

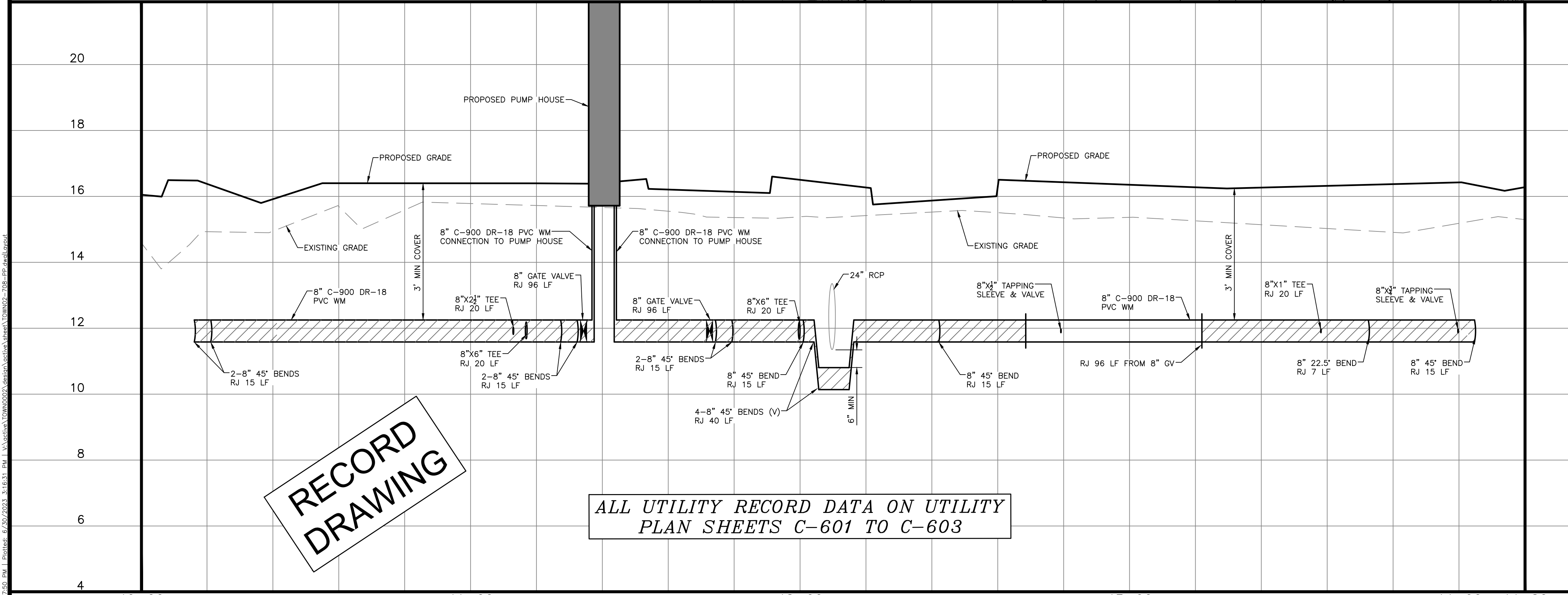
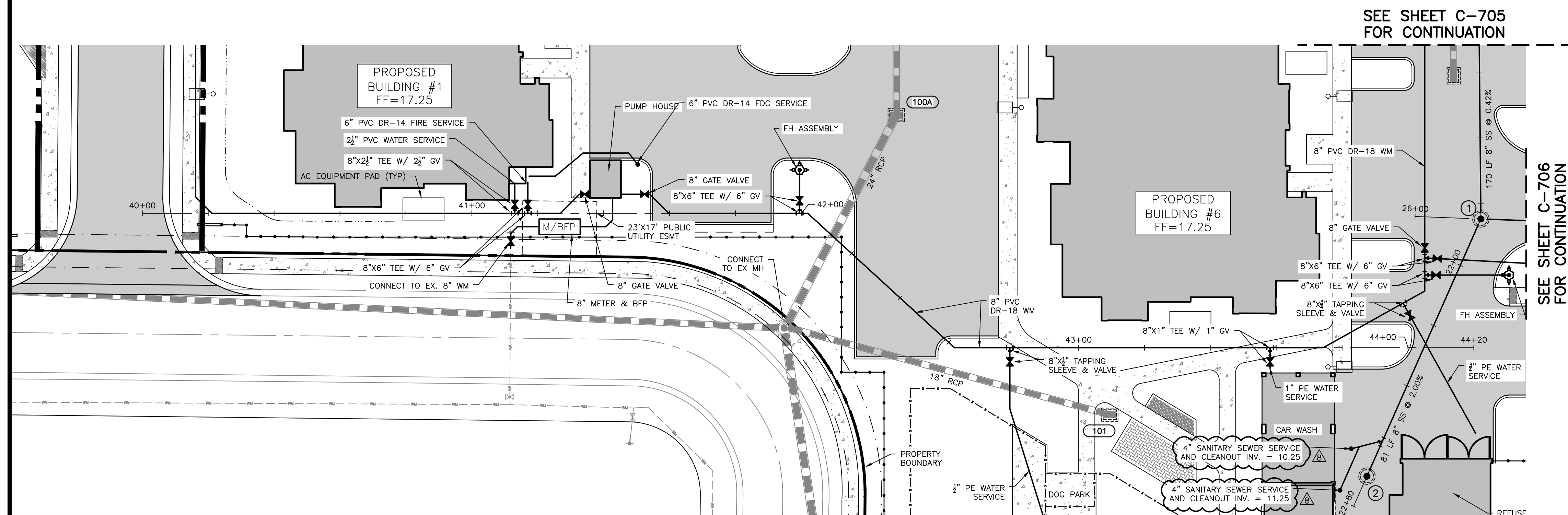
CLIENT: **TI INVESTORS OF MIRASOL, LLC**
PROJECT: **REVELLO AT MIRASOL**
TITLE: **UTILITY PLAN & PROFILE**

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'
VERTICAL DATUM: NGVD 29
PROJECT NUMBER: TOWN0002
SHEET NUMBER: **C-707**

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

REV. No.	REV. DATE	REVISION DESCRIPTION	BY	REV. No.	REV. DATE	REVISION DESCRIPTION	BY
01/04/24		RECORD DRAWINGS	ATWELL				

RECORD DRAWINGS
May 14, 2024
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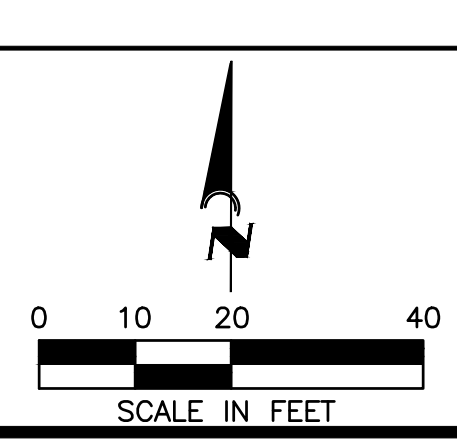
**RECORD
DRAWING**

ALL UTILITY RECORD DATA ON UTILITY
PLAN SHEETS C-601 TO C-603

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
8	06/28/23	REVISIONS PER CONTRACTOR COMMENTS	JLC
	01/04/24	RECORD DRAWINGS	ATWELL

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 ISSUE DATE: 6/2/22
 CD
CONSTRUCTION PLANS

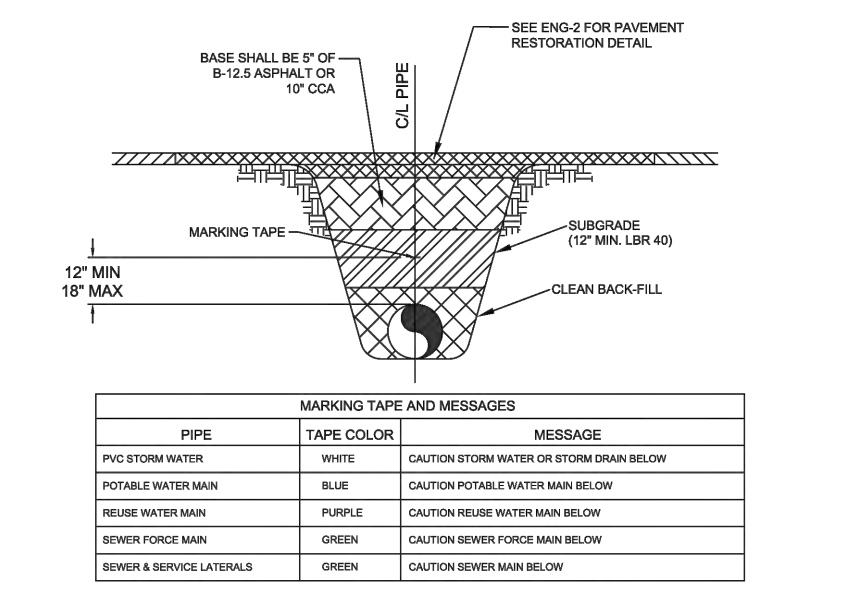
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CLIENT: **TI INVESTORS OF MIRASOL, LLC**
 PROJECT: **REVELLO AT MIRASOL**
 TITLE: **UTILITY PLAN & PROFILE**

HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=2'
 VERTICAL DATUM: NGVD 29
 PROJECT NUMBER: TOWN0002
 SHEET NUMBER: C-708

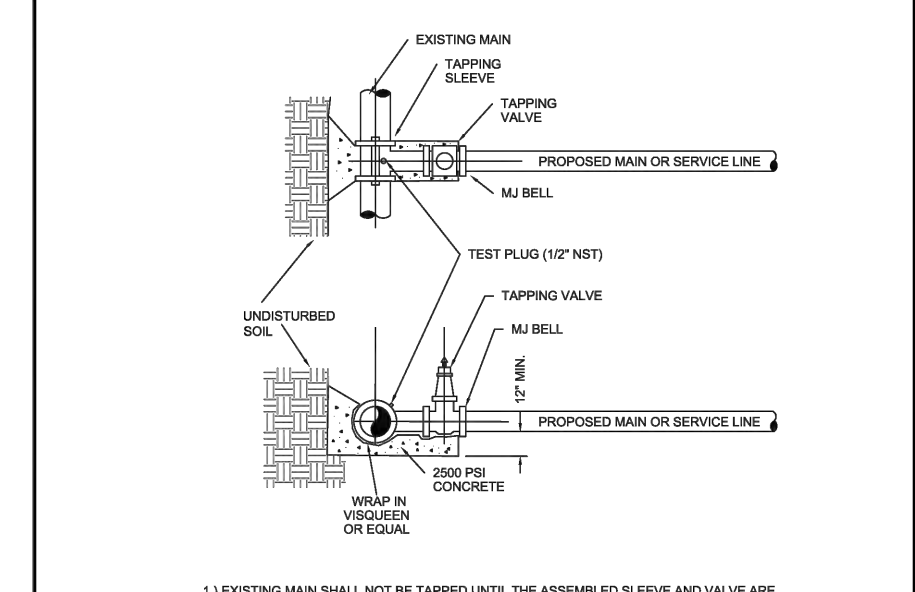
PROJECT ENGINEER:
BOBBI R. CLAYBROOKE, PE
 DATE: _____
 FLORIDA P.E. No. 90804



PIPE	TAPE COLOR	MESSAGE
POTABLE WATER	WHITE	CAUTION WATER MAIN BELOW
POTABLE WATER	BLUE	CAUTION POTABLE WATER MAIN BELOW
REUSE WATER MAIN	PURPLE	CAUTION REUSE WATER MAIN BELOW
SEWER FORCE MAIN	GREEN	CAUTION SEWER FORCE MAIN BELOW
SEWER & SERVICE LATERALS	GREEN	CAUTION SEWER MAIN BELOW

PRESSURE PIPE TRENCH DETAIL

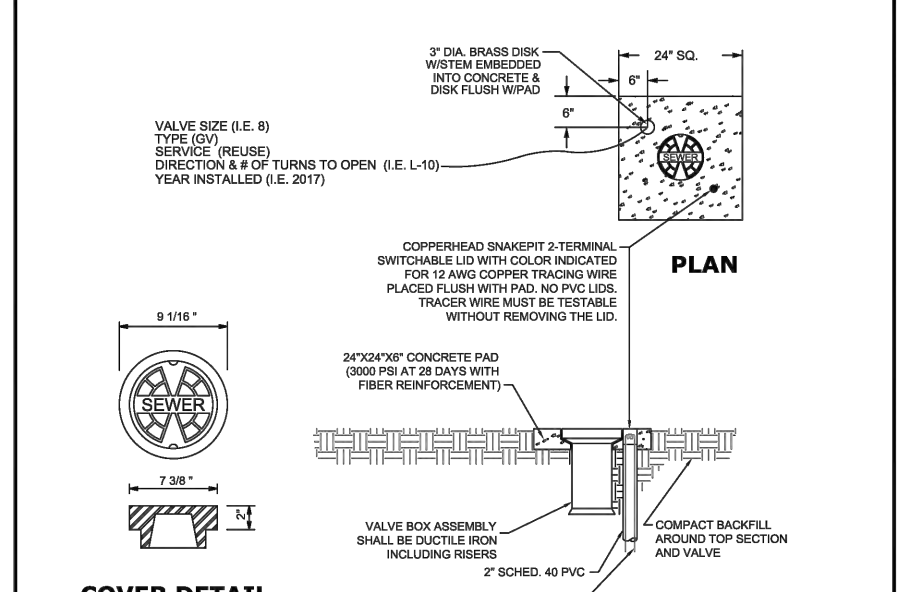
CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	UTILITY PIPE TRENCH	
	SHEET NO.	U-1



- EXISTING MAIN SHALL NOT BE TAPPED UNTIL THE ASSEMBLED SLEEVE AND VALVE ARE TESTED IN PLACE AT A MINIMUM OF 100 PSI FOR TWENTY MINUTES.
- UPON SUCCESSFUL TAPPING PRESSURE TEST, THE 1/2" THICK BLOCK SHALL BE REMOVED AND HAVE SET FOR 24 HRS PRIOR TO TAPPING. READY-MIXED CONCRETE SHALL BE USED FOR CITY APPROVED.
- STAINLESS STEEL TAPPING SLEEVE SHALL BE FUSED TO EXISTING MAIN BY WELDED JOINTS.
- GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER OR AMERICAN VALVE. ALL GATE VALVES SHALL BE FURON BONDED EPOXY COATED.
- INTERIOR AND EXTERIOR MUST MEET ANSII/AWWA C500 AND ANSI SP51 CERTIFIED.
- TAPPING SLEEVES SHALL BE INSTALLED WITH THE TAP CONNECTION AT LEAST ONE PIPE SIZE SMALLER THAN THE DIAMETER OF THE MAIN BEING TAPPED. TRANSMISSION MAINS SHALL NOT BE TAPPED AT A TAP SIZE SMALLER THAN 2" DIA.
- TAPPING SLEEVES SHALL BE INSTALLED WITH THE TAP CONNECTION AT LEAST ONE PIPE SIZE SMALLER THAN THE DIAMETER OF THE MAIN BEING TAPPED.
- MARKING TAPE SHALL BE 2" WIDE AND DETECTABLE UNDERGROUND WARNING TAPE. INSTALL CENTERED DIRECTLY OVER THE PIPE.
- SEE SEE FOR GRAVITY SEWER PIPE TRENCH DETAIL.

TAPPING SLEEVE & VALVE DETAIL

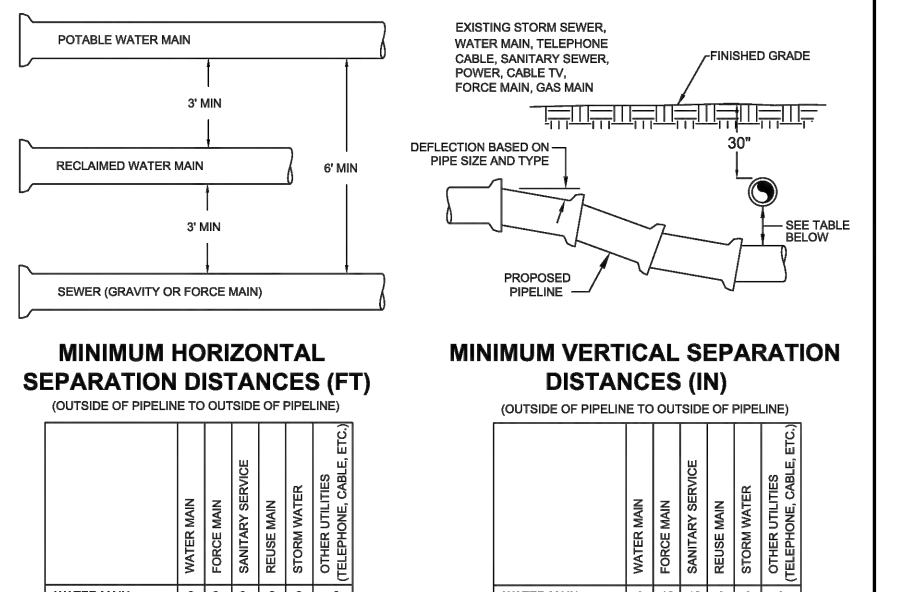
CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	TAPPING SLEEVE & VALVE	
	SHEET NO.	U-3



- PAVED AREAS: SET CONCRETE PAD AND COVER FLUSH WITH FINISHED PAVEMENT SURFACE.
- UNPAVED AREAS: SET PAD AND COVER 1" HIGH ABOVE FINISHED GRADE.
- VALVES LOCATED IN DITCH AND COVER & DEPTH LINE MUST USE TRENCH ADAPTER VALVE BOX (AMERICAN FLOW CONTROL).
- COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED.
- VALVES SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- MARKING TAPE SHALL BE 2" WIDE AND DETECTABLE UNDERGROUND WARNING TAPE. INSTALL CENTERED DIRECTLY OVER THE PIPE.
- SEE SEE FOR GRAVITY SEWER PIPE TRENCH DETAIL.

COVER DETAIL

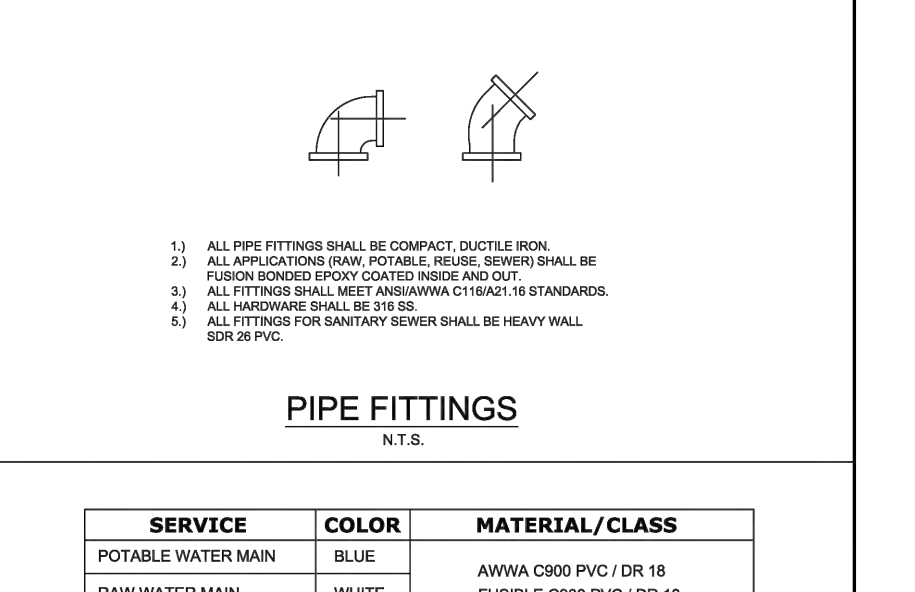
CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	VALVE BOX	
	SHEET NO.	U-4



MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)	MINIMUM VERTICAL SEPARATION DISTANCES (IN)																																																
<table border="1"> <tr><td>WATER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>POTABLE WATER</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>REUSE WATER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>SEWER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>SEWER LATERALS</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>OTHER UTILITIES</td><td>6</td><td>12</td><td>24</td></tr> </table>	WATER MAIN	6	12	24	POTABLE WATER	6	12	24	REUSE WATER MAIN	6	12	24	SEWER MAIN	6	12	24	SEWER LATERALS	6	12	24	OTHER UTILITIES	6	12	24	<table border="1"> <tr><td>WATER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>POTABLE WATER</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>REUSE WATER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>SEWER MAIN</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>SEWER LATERALS</td><td>6</td><td>12</td><td>24</td></tr> <tr><td>OTHER UTILITIES</td><td>6</td><td>12</td><td>24</td></tr> </table>	WATER MAIN	6	12	24	POTABLE WATER	6	12	24	REUSE WATER MAIN	6	12	24	SEWER MAIN	6	12	24	SEWER LATERALS	6	12	24	OTHER UTILITIES	6	12	24
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OTHER UTILITIES	6	12	24																																														

UTILITY CONFLICT & SEPARATION DETAIL

CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	UTILITY CONFLICTS & SEPARATIONS	
	SHEET NO.	U-5



POTABLE WATER MAIN	COLOR	MATERIAL / CLASS
RAW WATER MAIN	WHITE	AWWA C900 PVC / DR 18
REUSE MAIN (MIN. 4" DIAMETER)	PURPLE	FUSIBLE C900 PVC / DR 18
REUSE SERVICE	BLUE	PE (POLYETHYLENE) / DR 9
WATER SERVICE	PURPLE	PE (POLYETHYLENE) / DR 9
GRAVITY SEWER MAIN (MIN. 4" DIAMETER)	GREEN	ASTM D3034 / SDR 26
SEWER LATERAL (MIN. 4" DIAMETER)	GREEN	ASTM D3034 / SDR 26

PIPE MATERIAL SCHEDULE

CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	PIPE FITTINGS & MATERIAL	
	SHEET NO.	U-6

FITTING	MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING									
	4	6	8	10	12	16	18	20	24	28
45 BEND: H	6	9	12	14	16	21	23	25	29	
VU	4	6	7	9	10	13	15	16	19	
22.5 BEND: H	3	4	5	7	8	10	11	12	14	
VU	2	3	4	5	6	7	8	9		
11.25 BEND: H	2	2	3	3	4	5	5	6	7	

FITTING	MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING									
	4	6	8	10	12	16	18	20	24	28
90 BEND: H	23	33	43	51	60	76	83	90	104	
45 BEND: H	10	14	18	21	25	31	34	37	43	
VU	6	8	11	13	16	20	22	24	28	
VU	22	30	40	48	56	72	80	87	102	
22.5 BEND: H	5	7	8	10	12	15	17	18	21	
VU	3	4	5	6	7	10	11	12	14	
VU	10	15	19	23	27	35	38	42	48	
11.25 BEND: H	2	3	4	5	6	7	8	9	10	

PRESSURE MAIN RESTRAINED JOINT TABLE

CITY OF VENICE	UTILITIES - GENERAL	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	RESTRAINED JOINT TABLE	
	SHEET NO.	U-7

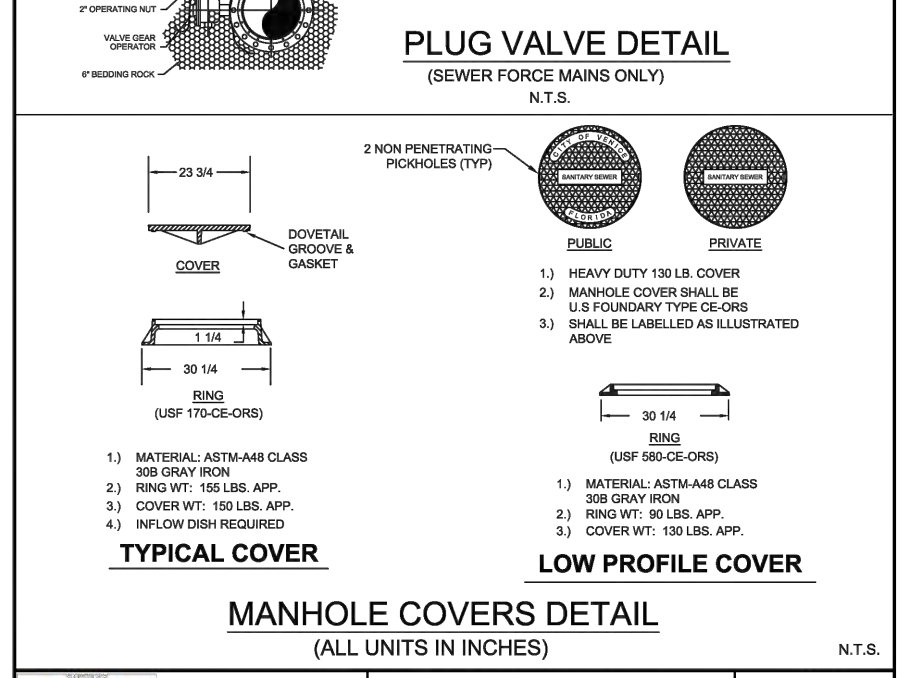
RECORD DRAWINGS
May 14, 2024
APPROVED



- HEAVY DUTY DRAIN COVER SHALL BE INSTALLED OVER THE VALVE BOX.
- COVER SHALL BE 1/2" THICK AND SHALL BE CENTERED ON THE VALVE BOX.
- VALVE SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL SEWER FORCE MAIN PLUG VALVES SHALL BE SEAK OPERATED.

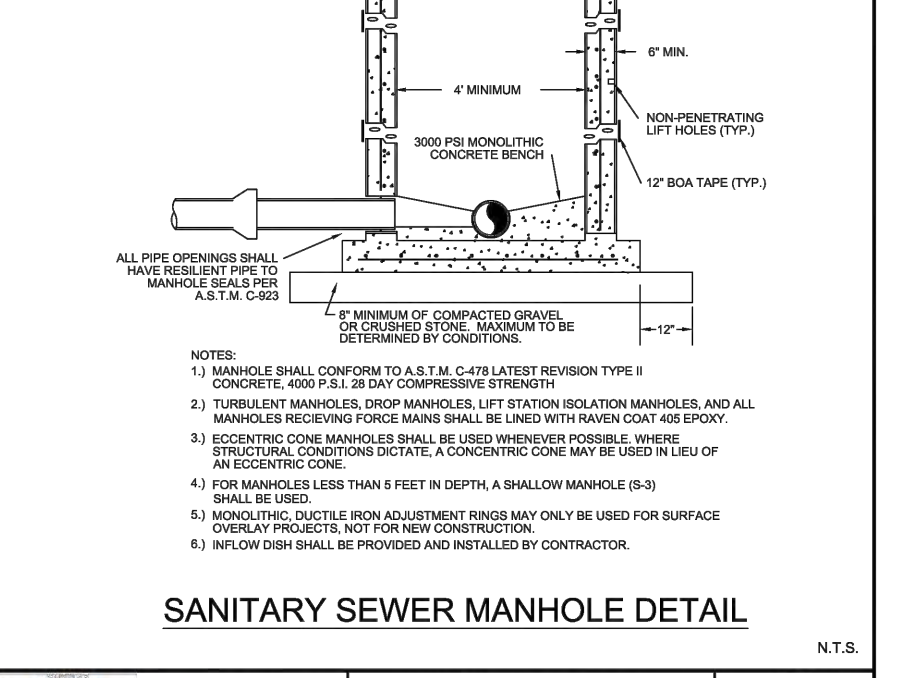
PLUG VALVE DETAIL

CITY OF VENICE	UTILITIES - SEWER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	PLUG VALVE & MANHOLE COVERS	
	SHEET NO.	S-1



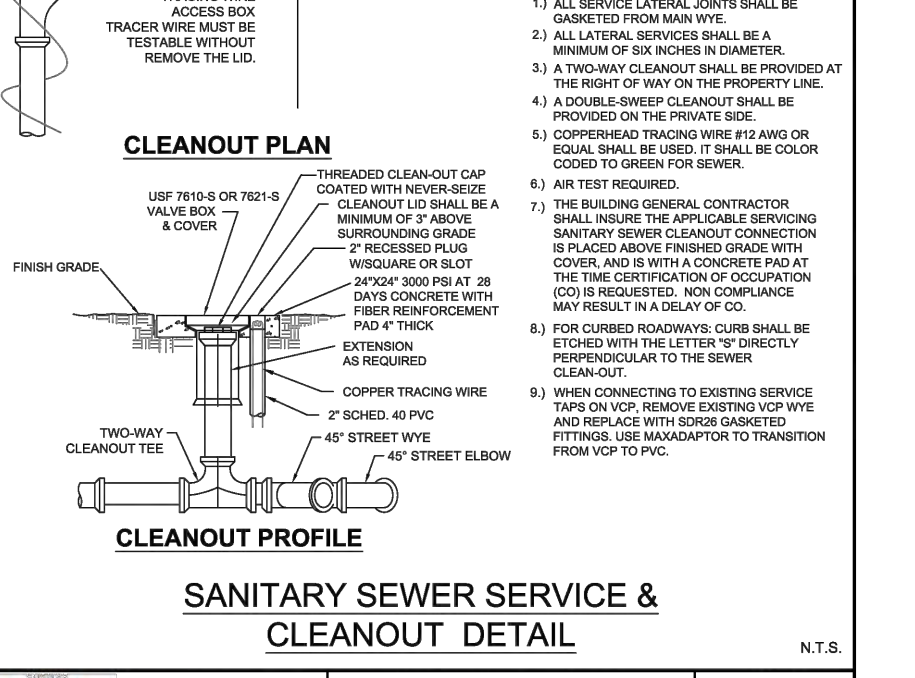
MANHOLE COVERS DETAIL

CITY OF VENICE	UTILITIES - SEWER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	PLUG VALVE & MANHOLE COVERS	
	SHEET NO.	S-1



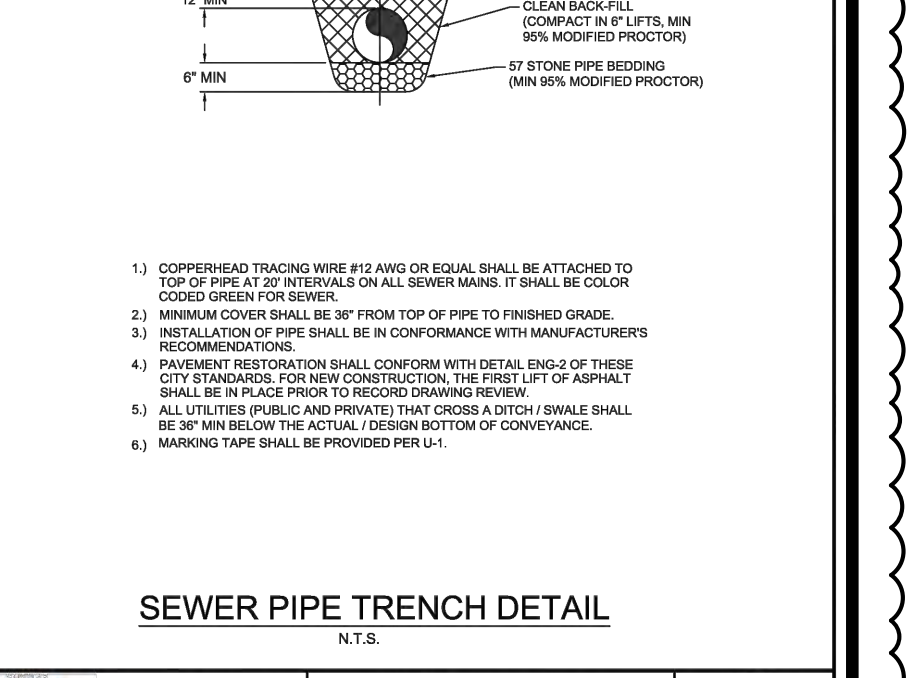
SANITARY SEWER MANHOLE DETAIL

CITY OF VENICE	UTILITIES - SEWER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	SANITARY SEWER MANHOLE	
	SHEET NO.	S-2



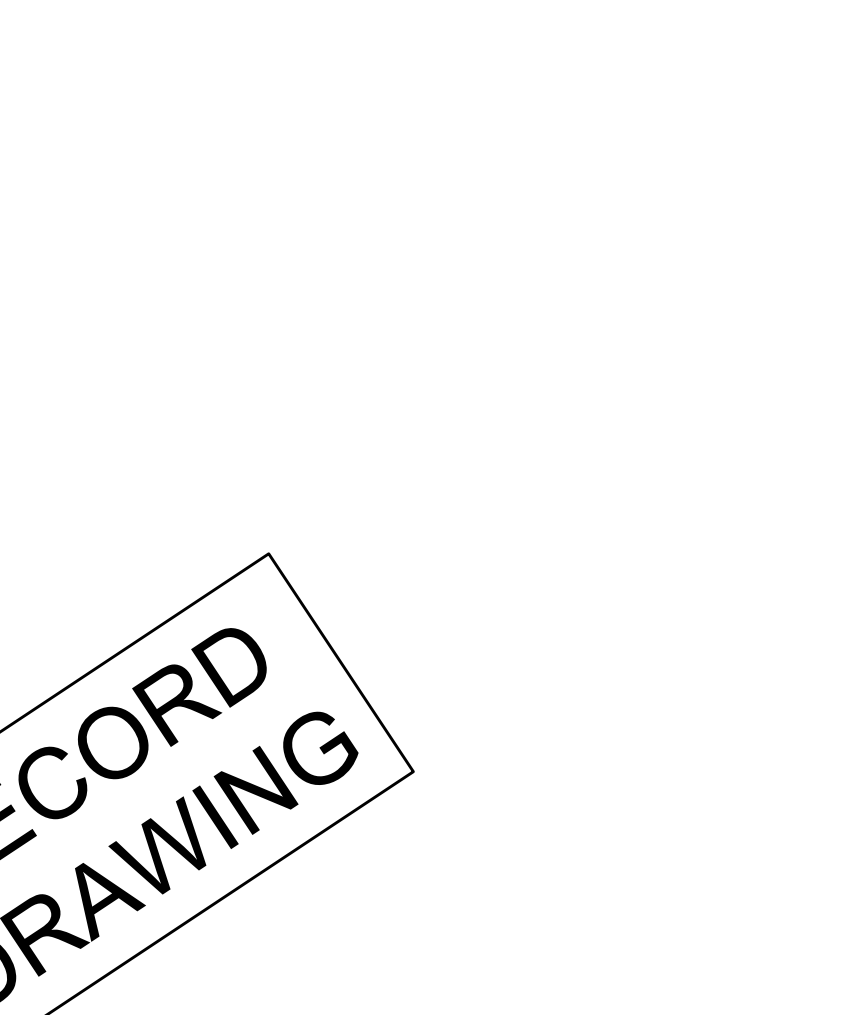
SANITARY SEWER SERVICE & CLEANOUT DETAIL

CITY OF VENICE	UTILITIES - SEWER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	SEWER SERVICE & CLEANOUT	
	SHEET NO.	S-4



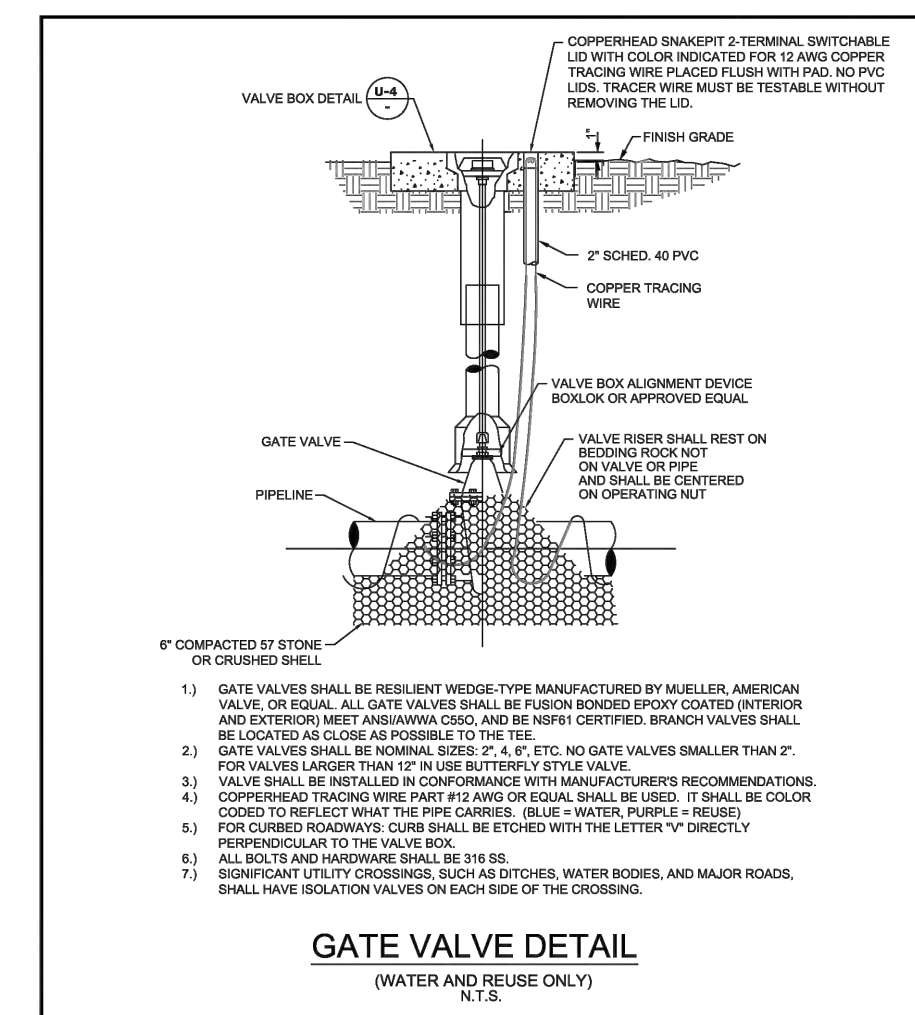
SEWER PIPE TRENCH DETAIL

CITY OF VENICE	UTILITIES - SEWER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	SEWER PIPE TRENCH	
	SHEET NO.	S-6



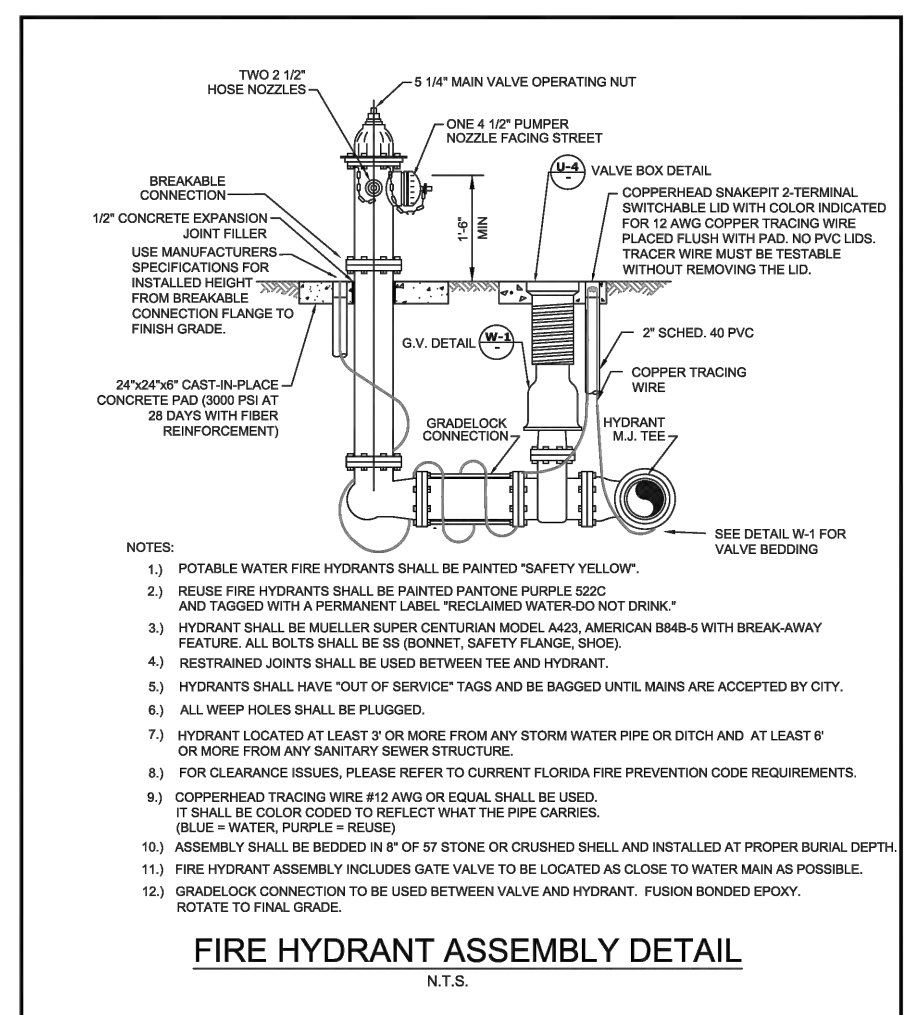
GATE VALVE DETAIL

CITY OF VENICE	UTILITIES - WATER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	GATE VALVE	
	SHEET NO.	W-1



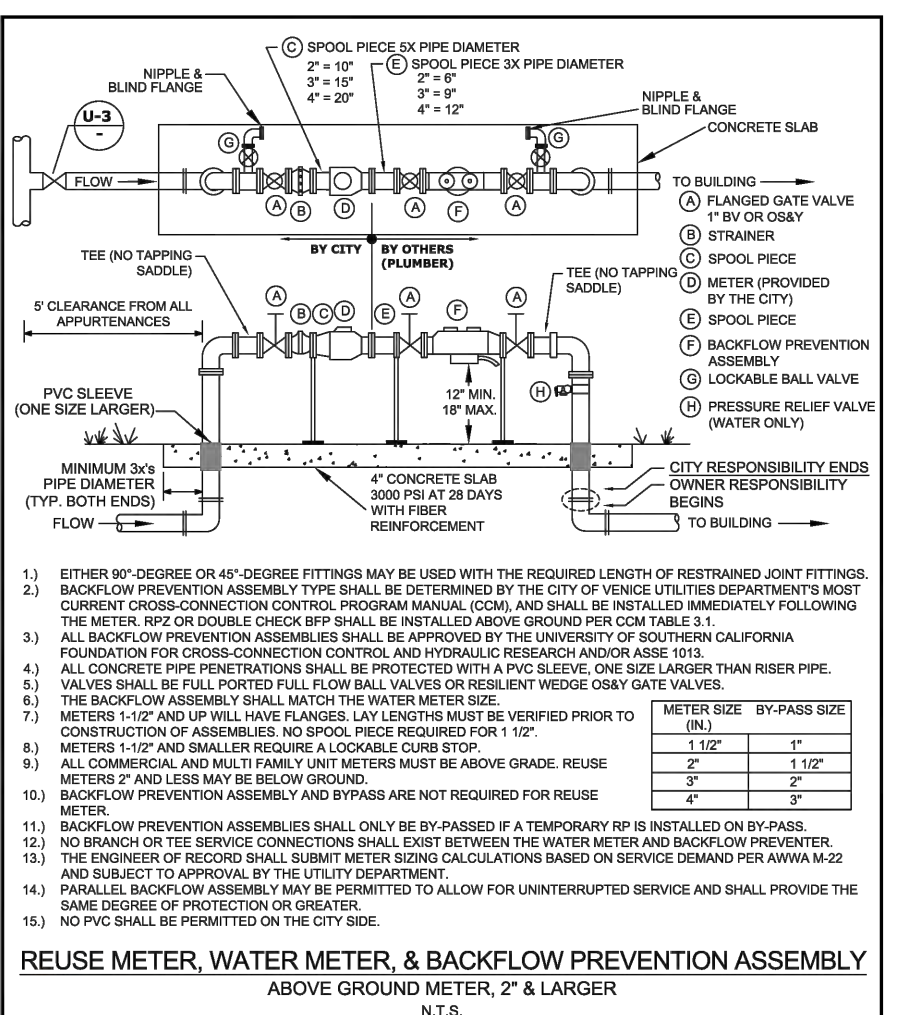
FIRE HYDRANT ASSEMBLY DETAIL

CITY OF VENICE	UTILITIES - WATER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE HYDRANT ASSEMBLY	
	SHEET NO.	W-2



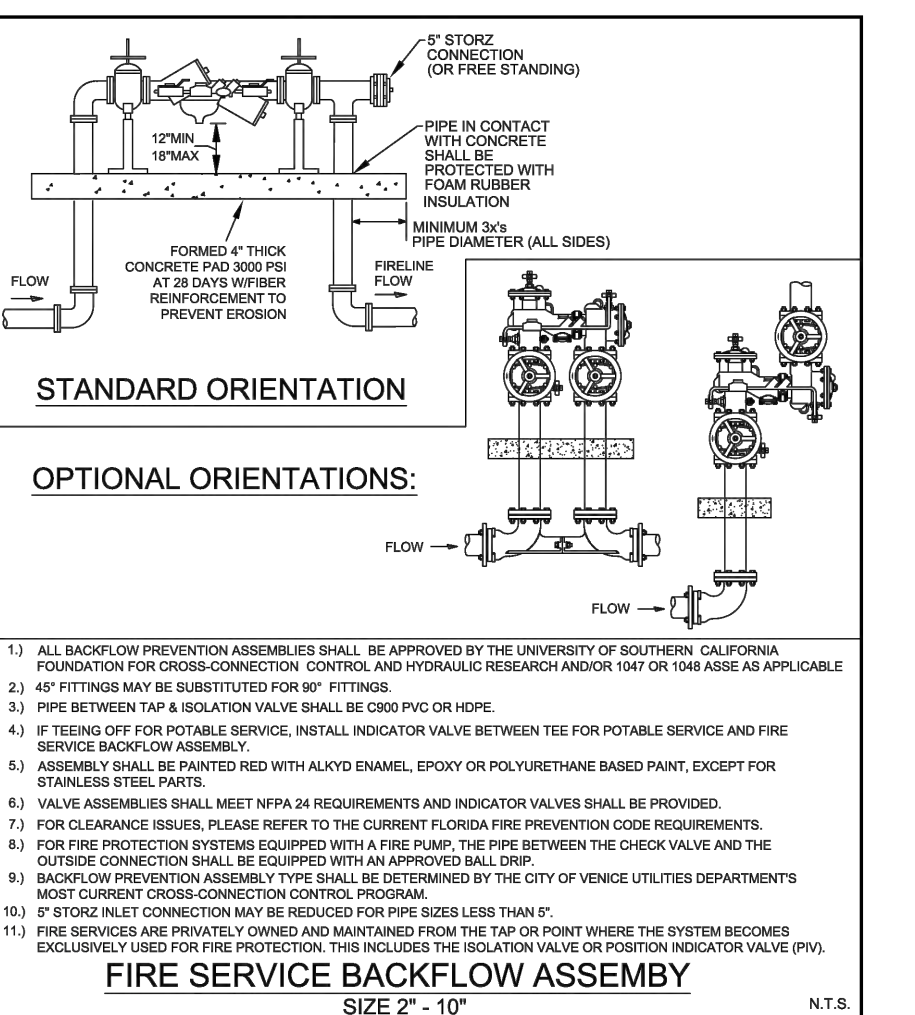
REUSE METER, WATER METER, & BACKFLOW PREVENTION ASSEMBLY

CITY OF VENICE	UTILITIES - WATER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	WATER & REUSE METER & BACKFLOW	
	SHEET NO.	W-4



FIRE SERVICE BACKFLOW ASSEMBLY

CITY OF VENICE	UTILITIES - WATER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE SERVICE BACKFLOW ASSEMBLY	
	SHEET NO.	W-9



FIRE SERVICE POST INDICATOR VALVE

CITY OF VENICE	UTILITIES - WATER	DATE
ENGINEERING DEPARTMENT		JAN 2023
401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2028 FAX (941) 480-3031	FIRE SERVICE INDICATOR POST	
	SHEET NO.	W-10

REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
	01/04/24	RECORD DRAWINGS	ATTELL

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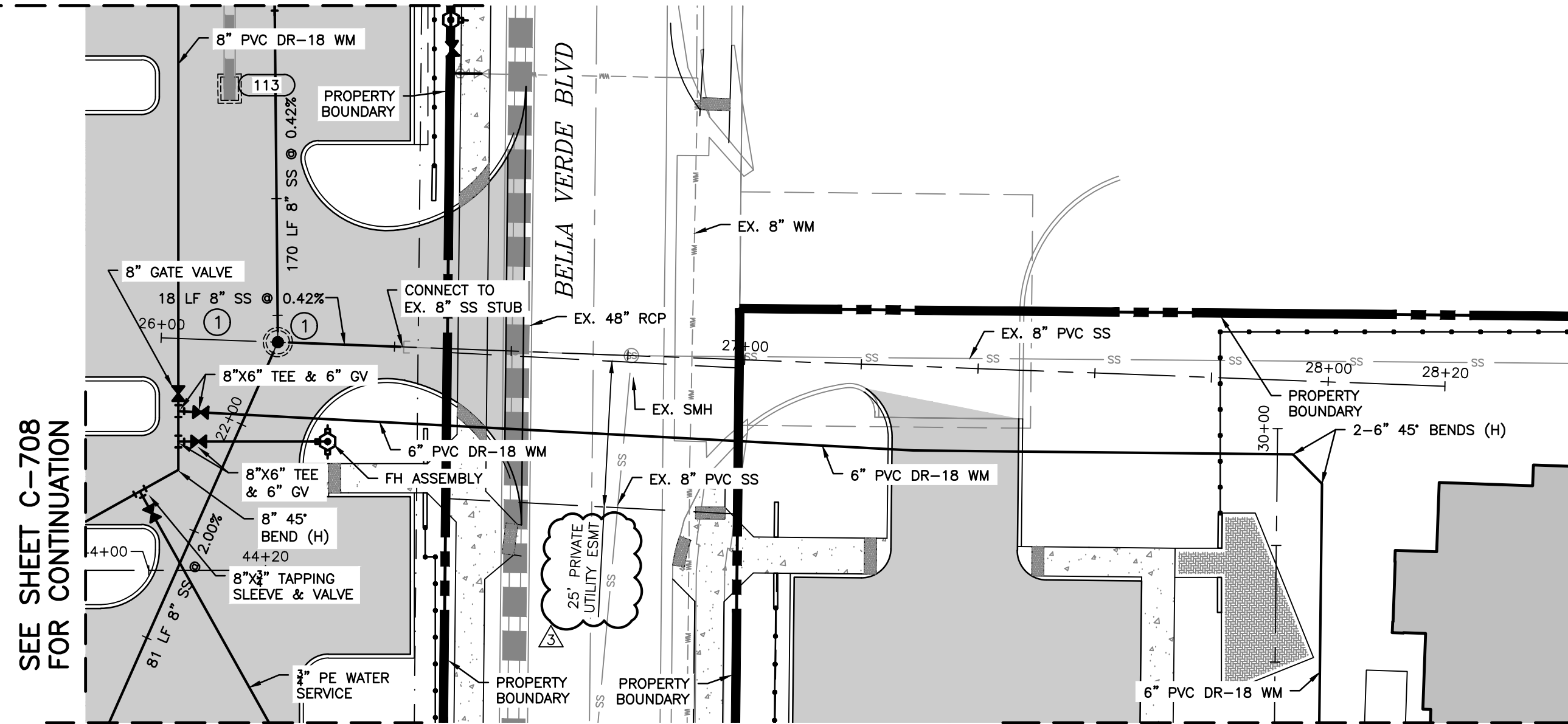
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Civil Engineering | Land Surveying
8340 Consumer Court Sarasota, FL 34240
Phone: (941) 377-9178 | www.amengllc.com
CA #33105 | LB #4334

TI INVESTORS OF MIRASOL, LLC
REVELLO AT MIRASOL
WATER & SEWER DETAILS

DATE: 6/2/22
SHEET NO.: CD
PROJECT NUMBER: TOWN0002
DATE: 09/04
FLORIDA P.E. NO.: 90804

REV. NO.	REV. DATE	REVISION DESCRIPTION	BY
3	04/04/23	PER SHOP DRAWING REVIEW & CITY ENGR COMMENTS	CD
	01/04/24	RECORD DRAWINGS	ATTELL

SEE SHEET C-705 FOR CONTINUATION



SEE SHEET C-708 FOR CONTINUATION

SEE SHEET C-705 FOR CONTINUATION

SEE THIS SHEET CONTINUATION

ALL UTILITY RECORD DATA ON UTILITY PLAN SHEETS C-601 TO C-603

RECORD DRAWINGS
May 14, 2024
APPROVED

BORE DETAILS

Log 1 of 1

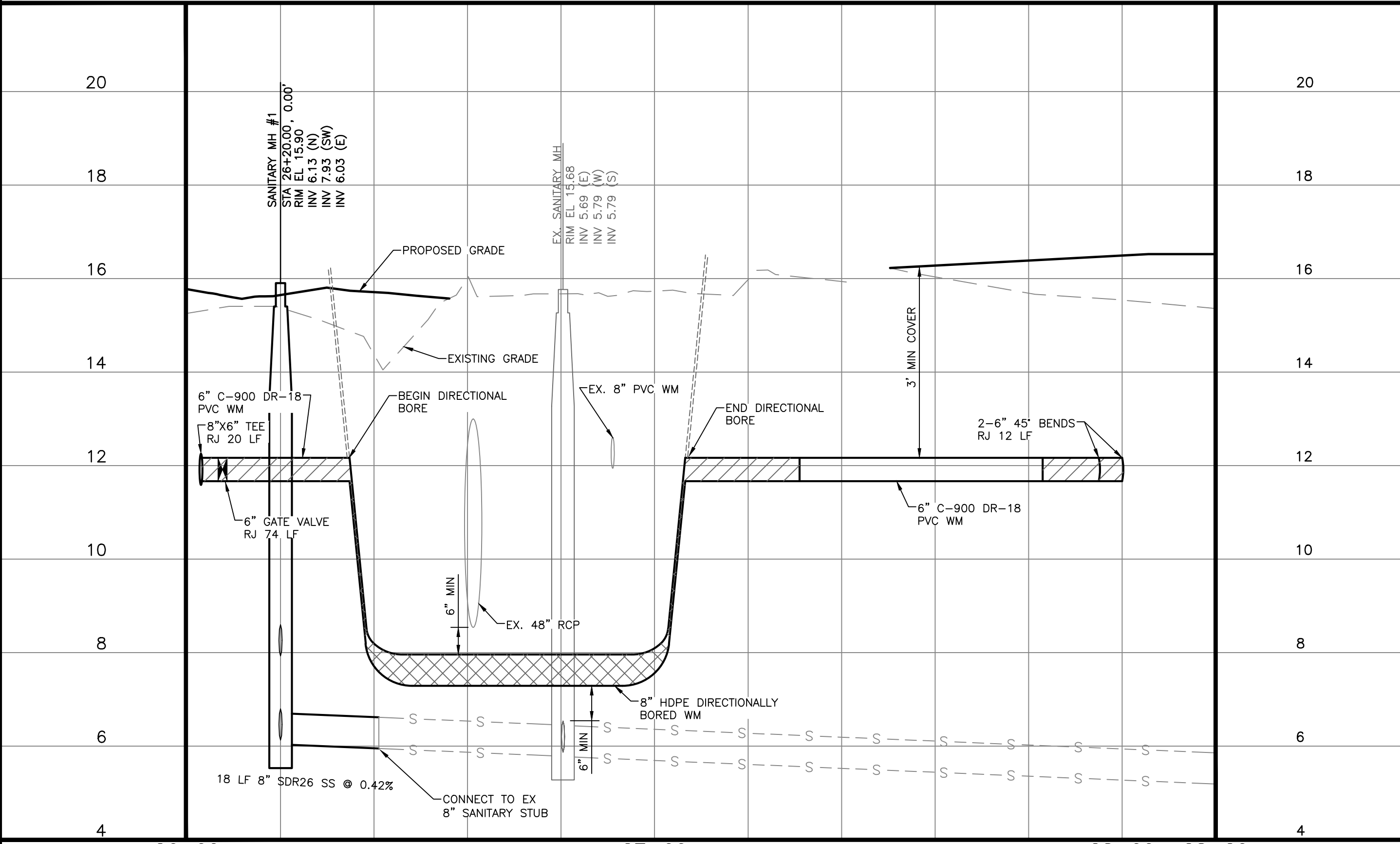
14 Total Rods
10' 0.00" Rod Length
140' 0.00" Bore Length

Bore Log Name: Crew3
Description: null
DBYD/Permit Expiry: null
Locator Name: null
Locator Type: Mag 9
Start Point: East
Terrain: null
Start Date: 07 Sep 2023 2:54 PM
Extra Info 1: null

Job No: E T Mckenze 10"
DBYD/Permit No: null
Operator Name: null
Rig Type: null
Location: Crossing Bella Verde Blvd 160' north from C/L of Serano Way West
Finish Point: null
Drill Head: null
Finish Date: null

Rod	Rod Length	Pitch	Depth	Alignment	Terrain	GPS Location	Date/Time
Rod 1	10' 0.00"	-24.93 (%)	2' 9.00"	0' 0.00"	None	27.1388092041016, -82.3988142440177	07 Sep 2023 2:58 PM
Rod 2	10' 0.00"	-24.93 (%)	4' 3.00"	0' 0.00"	None	27.1388702392578, -82.3985419205065	07 Sep 2023 2:58 PM
Rod 3	10' 0.00"	-23.09 (%)	6' 8.00"	0' 0.00"	None	27.1388702392578, -82.3985499550889	07 Sep 2023 2:59 PM
Rod 4	10' 0.00"	-21.26 (%)	8' 7.00"	0' 0.00"	None	27.1388397216797, -82.3985916157098	07 Sep 2023 2:59 PM
Rod 5	10' 0.00"	-21.26 (%)	10' 10.00"	0' 0.00"	None	27.1388549804688, -82.3986036774665	07 Sep 2023 3:00 PM
Rod 6	10' 0.00"	-14.05 (%)	12' 7.00"	0' 0.00"	None	27.1388702392578, -82.398672878339	07 Sep 2023 3:00 PM
Rod 7	10' 0.00"	-5.24 (%)	13' 11.00"	0' 0.00"	None	27.1388854980469, -82.3987142242874	07 Sep 2023 3:01 PM
Rod 8	10' 0.00"	+1.75 (%)	13' 8.00"	0' 0.00"	None	27.1388702392578, -82.3986932545006	07 Sep 2023 3:02 PM
Rod 9	10' 0.00"	+5.24 (%)	13' 4.00"	0' 0.00"	None	27.1388702392578, -82.3987379673941	07 Sep 2023 3:02 PM
Rod 10	10' 0.00"	+14.05 (%)	11' 3.00"	0' 0.00"	None	27.1389007568359, -82.398756689906	07 Sep 2023 3:03 PM
Rod 11	10' 0.00"	+26.79 (%)	9' 5.00"	0' 0.00"	None	27.1388702392578, -82.398804304797	07 Sep 2023 3:04 PM
Rod 12	10' 0.00"	+26.79 (%)	7' 0.00"	0' 0.00"	None	27.1388702392578, -82.3988273909283	07 Sep 2023 3:04 PM
Rod 13	10' 0.00"	+26.79 (%)	3' 0.00"	0' 0.00"	None	27.1388854980469, -82.3988530601361	07 Sep 2023 3:05 PM
Rod 14	10' 0.00"	+26.79 (%)	1' 0.00"	0' 0.00"	None	27.1388854980469, -82.3988736533097	07 Sep 2023 3:05 PM

RECORD DRAWING



NOTE: STATION AND OFFSET 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 PROVIDED BY CONTRACTOR IS SHOWN IN PARENTHESES ()
 NOTE: AS-BUILT INFORMATION IS SHOWN IN BRACKETS []

AS-BUILT DRAWING

ATWELL
 866.850.4200 www.atwell-group.com

CERTIFICATE OF AUTHORIZATION LB 0007832
 6813 STATE ROAD 70 EAST, BRADENTON, FLORIDA 34203
 (941) 768-5240 (941) 888-9898 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 02-15-2024
 DATE OF FIELD SURVEY 10-02-2023

GERALD D. STROOP, JR., P.S.M.
 FLORIDA CERTIFICATE NO. 4679

REV. No.	REV. DATE	REVISION DESCRIPTION	BY
2	02/27/23	REVISIONS PER CDV & CONTRACTOR COMMENTS	MF
5	05/10/23	CHANGES PER CITY UTIL COMMENTS	BRG
8	06/28/23	REVISIONS PER CONTRACTOR COMMENTS	JLJC
01/04/24 RECORD DRAWINGS ATWELL			

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: 6/2/22
 CD

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

CLIENT: TI INVESTORS OF MIRASOL, LLC
 PROJECT: REVELLO AT MIRASOL

BORE DATA

HORIZONTAL SCALE: N/A	PROJECT ENGINEER: BOBBI R. CLAYBROOKE, PE
VERTICAL SCALE: N/A	DATE: _____
VERTICAL DATUM: NGVD 29	FLORIDA P.E. No. 9804
PROJECT NUMBER: TOWN0002	
SHEET NUMBER: B-1	