# RECORD DRAWINGS

#### **GENERAL NOTES**

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF VENICE LAND DEVELOPMENT REGULATIONS.
- THE CONTRACTOR SHALL RETAIN ON THE WORK SITE AT ALL TIMES COPIES OF ALL PERMITS NECESSARY FOR CONSTRUCTION.
- THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS THE BENCHMARK DATUM FOR THIS PROJECT CONVERSION FACTOR: NAVD 1988 + 1.12 FT = NGVD 1929.
- ALL AREAS DESIGNATED AS "PRESERVE OR CONSERVATION" TO BE CLEARLY DELINEATED PRIOR TO

### **GENERAL CONSTRUCTION NOTES:**

- 1. THERE SHALL BE NO CHANGE OR DEVIATION FROM THESE PLANS UNLESS APPROVED BY THE ENGINEER OR CITY OF VENICE.
- ALL CLEARING AND GRUBBING DEBRIS TO BE REMOVED FROM SITE AND IS PART OF CLEARING AND GRUBBING ITEM.
- IT IS THE INTENT OF THE OWNER THAT CERTAIN TREES BE DESIGNATED TO BE SAVED AND PROTECTED BY THE CONTRACTOR. IT IS ASSUMED THESE TREES ARE HEALTHY AND ARE EXPECTED TO BE PART OF THE LANDSCAPE DEVELOPMENT. THEREFORE, IF ANY TREE(S) DAMAGED BY CONSTRUCTION OPERATION OR BY OTHER MEANS (EXCLUDING LIGHTNING, WINDSTORM AND OTHER ACTS OF GOD) PERISHES WITHIN THE CONSTRUCTION PERIOD, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF THOSE TREES. NO ADDITIONAL COMPENSATION WILL BE MADE BY THE OWNER FOR THE LABOR, MATERIAL OR MACHINERY REQUIRED TO REMOVE SAID TREE(S), EXOTIC VEGETATION (E.G., MELALEUCA AND BRAZILIAN PEPPER) EXISTING WITHIN THE PROJECT AREA SHALL BE REMOVED AND PROPERLY DISPOSED OF IN AN APPROVED LANDFILL.
- WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME
- LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES, LAKE SLOPES, AND TWO FEET (2') WIDE STRIP ADJACENT TO ALL CURBING, AND AS DIRECTED BY THE ENGINEER, ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS, FINISH EARTHWORK GRADING WILL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS. SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST. ALL EROSION SILTATION AND MAINTAINING GRADES IS THE RESPONSIBILITY OF THE
- 6. CALL "SUNSHINE" (1-800-432-4770), COMCAST, FPL, CITY OF VENICE UTILITIES DEPARTMENT, TECO, AND FRONTIER PRIOR TO CONSTRUCTION AND CONNECTION TO EXISTING UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
- ALL UTILITY LINES, STORM DRAIN LINES AND ACCESSORIES SUCH AS, BUT NOT LIMITED TO MANHOLES, CLEANOUTS, SEWER AND WATER SERVICES, VALVES, FIRE HYDRANTS AND INLETS WILL BE CONSTRUCTED TO ALIGNMENT AND LOCATIONS SHOWN ON PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CLEARING, GRUBBING, STRIPPING, AND COMPACTION WILL BE INSPECTED BY THE ENGINEER PRIOR TO FILLING
- PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, CONSERVATION/PRESERVE AREAS, EXISTING LAKES & WATERWAYS WITHIN AND ADJOINING THE AREA OF CONSTRUCTION ACTIVITY SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND/OR SILT BARRIERS. TREE PROTECTION BARRICADES SHALL MEET THE STANDARDS OF THE CITY OF VENICE. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "BEST MANAGEMENT PRACTICES PLAN" AND THE "BMP DETAILS" SHOWN ON DWGS. A-6 THROUGH A-7 OF THE FULL CIVIL CONSTRUCTION PLANS. THE ENGINEER WILL DETERMINE THE EXTENT AND TYPE OF PROTECTIVE MEASURES TO BE CONSTRUCTED FOR PROTECTION OF CONSERVATION/PRESERVE AREAS, THE ENGINEER SHALL BE NOTIFIED WHEN PRESERVE AREA BARRICADES AND BARRIERS ARE IN PLACE.
- 10. THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN THE AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE
- 11. ALL DRAINAGE PIPE JOINTS SHALL BE WRAPPED PER FDOT INDEX NO. 280, SHEET 1.

BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

- 12. ROADWAY AND DRAINAGE STRUCTURES SHALL MEET FDOT STANDARD SPECIFICATIONS SECTION 346 OF 3000 PSI CONCRETE
- 13. THE WETLAND AND ASSOCIATED UPLAND VEGETATIVE BUFFER SHALL BE MAINTAINED IN ACCORDANCE WITH MANAGEMENT GUIDELINES CONTAINED WITHIN THE COMPREHENSIVE PLAN AS A CONSERVATION AREA OR PRESERVE ALL ACTIVITIES INVOLVING FILLING EXCAVATING WELL DRILLING ALTERING VEGETATION (INCLUDING TRIMMING OF BOTH TREES AND UNDERSTORY) AND STORING OF MATERIALS SHALL BE PROHIBITED WITHIN PRESERVATION AREAS, UNLESS WRITTEN APPROVAL IS FIRST OBTAINED FROM RESOURCE PROTECTION SERVICES TO FACILITATE IMPLEMENTATION OF APPROVED HABITAT MANAGEMENT PLANS OR THE REMOVAL OF NUISANCE/INVASIVE VEGETATION.
- 14. A TREE REMOVAL AND PROTECTION PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, CLEARING OR TREE REMOVAL. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE CITY OF VENICE CODE.
- EROSION AND SEDIMENT CONTROL BMPS IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP), BEST MANAGEMENT PRACTICES (BMP) PLAN, OR STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS, OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. ITHE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.1
- 16. OFFSITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MS4, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO THE CITY OF VENICE WITHIN 24 HOURS OF THE OCCURRENCE. THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN
- 17. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO THE CITY OF VENICE. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL
- 18. IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND THE CITY OF VENICE SHALL BE CONTACTED.
- 19. FERTILIZER APPLICATION SHALL BE CONSISTENT WITH THE CITY OF VENICE CODE. 20. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM - STORMWATER:

READILY AVAILABLE TO STATE INSPECTORS.

- i. NPDES CONSTRUCTION GENERIC PERMIT COVERAGE SHALL BE OBTAINED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION COMMENCEMENT IN ACCORDANCE WITH RULE 62-621.300(4)(A), F.A.C.
- ii. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE POSTED AT THE SITE IN ACCORDANCE
- iii. A COPY OF THE CERTIFIED NPDES NOI, OR A COPY OF THE FDEP COVERAGE CONFIRMATION LETTER SHALL BE PROVIDED TO AIR AND WATER QUALITY IN ACCORDANCE WITH RULE 62-621.300(4)(A)PART III.D.1, F.A.C..
- iv. THE SWPPP SHALL BE CERTIFIED IN ACCORDANCE WITH RULE 62-621.300(4)(A)PART V.D.6, F.A.C., AND A COPY OF THE CERTIFIED DOCUMENT SHALL BE SUBMITTED TO AIR AND WATER QUALITY AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- v. A COPY OF THE SWPPP, AND COPIES OF THE INSPECTION AND MAINTENANCE RECORDS SHALL BE MAINTAINED AT THE PROJECT SITE, AND SHALL BE
- vi. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DEWATERING:
- THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE DEP. PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DISCHARGE TESTING SHALL BE PROVIDED TO AIR AND WATER QUALITY.
- 21. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(c)1., FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE
- 22. DEPARTMENT OF ENVIRONMENTAL PROTECTION WATER AND WASTEWATER PERMITS ARE REQUIRED.
- 23. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.
- 24. IN THE EVENT THAT THE CONSTRUCTION SITE IS ABANDONED PRIOR TO THE PROJECT COMPLETION, ALL CONSTRUCTION AND VEGETATIVE DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED LANDFILL FACILITY.
- 25. A SEPARATE BUILDING PERMIT MUST BE APPLIED FOR AND ISSUED FOR EVERY SIGN, WALL, OUTDOOR LIGHTING AND STRUCTURE ON THE SITE. THE APPROVAL OF THESE CONSTRUCTION PLANS DOES NOT EXEMPT THE CONTRACTOR FROM OBTAINING THE NECESSARY BUILDING PERMITS.

#### CITY OF VENICE REQUIRED NOTES:

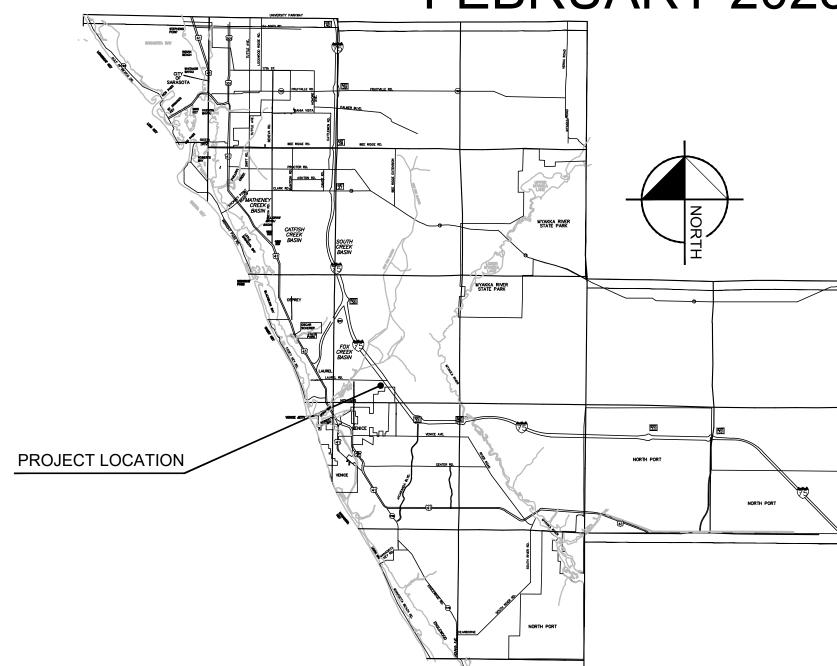
- ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW
- 2. ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT ROW SHALL REQUIRE A COPY OF STATE ISSUED
- TREE REMOVAL PERMIT MUST BE OBTAINED FROM THE CITY OF VENICE.
- 4. POST DEVELOPMENT RUNOFF DOES NOT EXCEED 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 MARSHALL AS PER F.S. 633.521.
- 6. CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.
- 7. ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
- 8. CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND
- CONSTRUCTION PLAN APPROVAL WILL NOT BE ISSUED UNTIL CONSTRUCTION PLANS FOR THE REQUIRED CURRY LANE ROADWAY AND UTILITY IMPROVEMENTS HAVE BEEN APPROVED.

# WATERMARK AT VENICE

## PARTIAL CERTIFICATION #1

SECTION 33, TOWNSHIP 38 S, RANGE 19 E NORTH VENICE, FLORIDA

## FEBRUARY 2023



**VICINITY MAP** 



DEVELOPER: WATERMARK RESIDENTIAL 111 MONUMENT CIRCLE, SUITE 1500

PH: (463) 237-3246 CONTACT: GENE BEIERMANN. P.E.

INDIANAPOLIS, IN 46204

**ENGINEER AND LANDSCAPE ARCHITECTURE:** KIMLEY HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236 PH:(941)379-7600

SURVEYOR: BRITT SURVEYING, INC. 606 CYPRESS AVENUE VENICE, FL 34285 PH: (941) 493-1396 CONTACT: RANDALL E. BRITT, PSM

CONTACT: KYLE C. KRAGEL, P.E.

ARCHITECT: STUDIO M ARCHITECTURE & PLANNING 2 WEST MAIN STREET

CARMEL, IN 46032 PH: (317) 810-1502

MEP: KBSO CONSULTING 1344 SOUTH RANGELINE ROAD, SUITE 202 CARMEL, IN 46032 PH (317) 344-8044

1777 MAIN STREET, Suite 200, Sarasota, FL 34236 PHONE (941) 379-7600

WWW.KIMLEY-HORN.COM REGISTRY NO. 696

B-4A SITE PLAN B-4C SITE PLAN <del>B-4D</del> SITE PLAN —B-4E B-4F SITE PLAN — B-4G B-4H SITE PLAN <del>B-5</del> MASTER DRAINAGE PLAN B-5A PAVING, GRADING AND DRAINAGE PLAN B-5B PAVING, GRADING AND DRAINAGE PLAN B-5C B-5D PAVING, GRADING AND DRAINAGE PLAN B-5F PAVING, GRADING AND DRAINAGE PLAN PAVING, GRADING AND DRAINAGE PLAN B-5H PAVING, GRADING AND DRAINAGE PLAN B-5I POOL DECK GRADING ENLARGEMENT PLAN B 6A PAVING, GRADING AND DRAINAGE DETAILS B-6B PAVING, GRADING AND DRAINAGE DETAILS CONTROL STRUCTURE DETAIL B-7 C-1A MASTER UTILITY PLAN C-1C BACKFLOW AND METER ENLARGED PLAN — UTILITY INDEX PLAN— UTILITY PLAN AND PROFILE UTILITY PLAN AND PROFILE ——C-3B C-3C UTILITY PLAN AND PROFILE C-3D HTILITY PLAN AND PROFILE \_\_\_C-3E\_\_ UTILITY PLAN AND PROFILE C-4A UTILITY DETAILS

UTILITY DETAILS

Sheet List Table

A-7 BEST MANAGEMENT PRACTICES PLAN DETAILS

Sheet Title

COVER SHEET

GENERAL NOTES

AERIAL SITE PLAN

EXISTING CONDITIONS PLAN

EXISTING CONDITIONS DLAN

DEMOLITION PLAN

Sheet Number

A-2

——A-3

— A-5

B-2

# **RECORD DRAWINGS**

**APPROVED** 

C-4B

GEOTECH: ECS FLORIDA, LLC 4524 N. 56TH STREET TAMPA, FL 33610

PH: (813) 302-1644 CONTACT: TRAVIS L. GIAFAGLIONE, E.I.

**ENVIRONMENTAL: ENVIRONMENTAL** CONSULTING & TECHNOLOGY, INC. 1191 SARASOTA CENTER BLVD SARASOTA, FL 34240 PH: (941) 377-8608





PARCEL AREA:

LAND USE DEVELOPMENT DATA

RMF-1 (CITY OF VENICE, PID: 0387-140004, 0387-14-0003), RMF-3 (PID: 0387-13-0001)

ABUTTING ZONING: WEST: PINEBROOK ROAD PUBLIC COUNTY RIGHT-OF-WAY

EAST: RMF-1 (CITY OF VENICE) NORTH: CURRY LANE PRIVATE RIGHT-OF-WAY

SOUTH: OUE-1 (SARASOTA COUNTY), RMF-1 (CITY OF VENICE), PUD (CITY OF VENICE)

PROPOSED ZONING: RMF-3 (PID: 0387-13-0001), RMF-1 (PID: 0387-14-0004, 0387-14-0003)

PROJECT ADDRESS: 500 R AND F RANCH ROAD, 2800 AND 2806 CURRY LANE

0387-13-0001, 0387-14-0004, 0387-14-0003

29.4 ACRES

6.52 ACRES **ROADS AND PARKING** 4.56 ACRES 2.74 ACRES SIDFWALK PONDS @ CONTROL WATER LEVEL 3.55 ACRES (12.1%)**EXISTING WETLAND** 1.27 ACRES 29.4 ACRES

**BUILDING SETBACKS**:

SIDE: 15' **REAR**: 15'

FRONT: 20'

**MAXIMUM BUILDING HEIGHT: 35'** 

PH1 (ONE BEDROOM DUPLEX BUILDING): 22'-6" PH2 (TWO BEDROOM DUPLEX BUILDING): 20'-8"

PH3 (THREE BEDROOM DUPLEX BUILDING): 27'-6"

194 UNITS / 19.4 AC. = 10 UNITS PER ACRE (MAXIMUM ALLOWED = 13 UNITS/ACRE) PID 0387-14-0003 AND 0387-14-0004: 50 UNITS / 10.0 AC. = 5 UNITS PER ACRE (MAXIMUM ALLOWED = 5 UNITS/ACRE)

RECLAIMED WATER: PROVIDED BY CITY OF VENICE.

WATER: POTABLE WATER SUPPLY WILL BE FROM CITY OF VENICE UTILITIES.

SEWER: WASTEWATER SERVICES WILL BE PROVIDED BY CITY OF VENICE UTILITIES

GARBAGE: GARBAGE PICKUP WILL BE PROVIDED BY CITY OF VENICE.

ROADWAYS: ACCESS TO THIS PROJECT IS PROVIDED FROM PINEBROOK ROAD AND CURRY LANE

PARKING LOT: TO BE PRIVATELY MAINTAINED.

<u>TREE LOCATION:</u> THE PROPOSED DEVELOPMENT AND ITS ORIENTATION TO THE EXISTING TREES IS SHOWN ON THE AERIAL PHOTOGRAPH. TREES WILL BE PRESERVED WHERE POSSIBLE. TREE REMOVAL PERMIT WILL BE APPLIED FOR PRIOR TO

NOTE: THE SUBJECT PROPERTY LIES IN FLOOD ZONE "X", BASE FLOOD ELEVATION NOT DETERMINED PER FLOOD INSURANCE RATE MAP FOR SARASOTA COUNTY, FLORIDA, COMMUNITY NO. 12115C0243F, DATED NOVEMBER 4, 2016, AND ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

FEMA DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

ENVIRONMENTAL AND SURFACE WATER MANAGEMENT SYSTEM DRAINAGE SYSTEM WILL BE PRIVATELY MAINTAINED.

WELLS: THERE ARE NO KNOWN WELLS WITHIN THE PROJECT BOUNDARY

IMPERVIOUS AREA\*: <u> 10.76</u> <u>36.5%</u>

29.4 100% \*POND @ CONTROL WATER LEVEL AREA AND EXISTING WETLAND AREA INCLUDED IN CALCULATION.

ADA: ALL SIDEWALK STREET CROSSINGS AT CURBS, GUTTERS AND INTERSECTIONS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND FLORIDA ACCESSIBILITY CODE.

TREE MITIGATION PLANS: INCLUDED WITH THIS SUBMITTAL

LANDSCAPE PLANS: INCLUDED WITH THIS SUBMITTAL.

REQUIRED PARKING CALCULATION:

MULTIFAMILY DWELLINGS: 2 SPACE PER UNIT

TOTAL REQUIRED PARKING SPACES = 244 UNITS \* 2 SPACES = 488 TOTAL SPACES REQUIRED (10 ADA)

COMCAST CABLE

5205 FRUITVILLE ROAD

SARASOTA, FLORIDA

PARKING SPACES PROVIDED:

PROVIDED PARKING SPACES\* = 502 SPACES PROVIDED (10 ADA)

\*INCLUDES GARAGE SPACES

#### **UTILITY COMPANIES:**

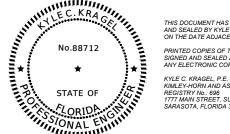
TECO GAS 5657 NORTH McINTOSH 8261 VICO COURT SARASOTA, FLORIDA SARASOTA, FLORIDA 34240-7844 34233

FRONTIER 1701 RINGLING BLVD SARASOTA, FLORIDA

941-906-6711

**VENICE UTILITIES** 401 W. VENICE AVE VENICE, FL 34285 (941)882-7297 CONTACT: PATIENCE ANATASIO

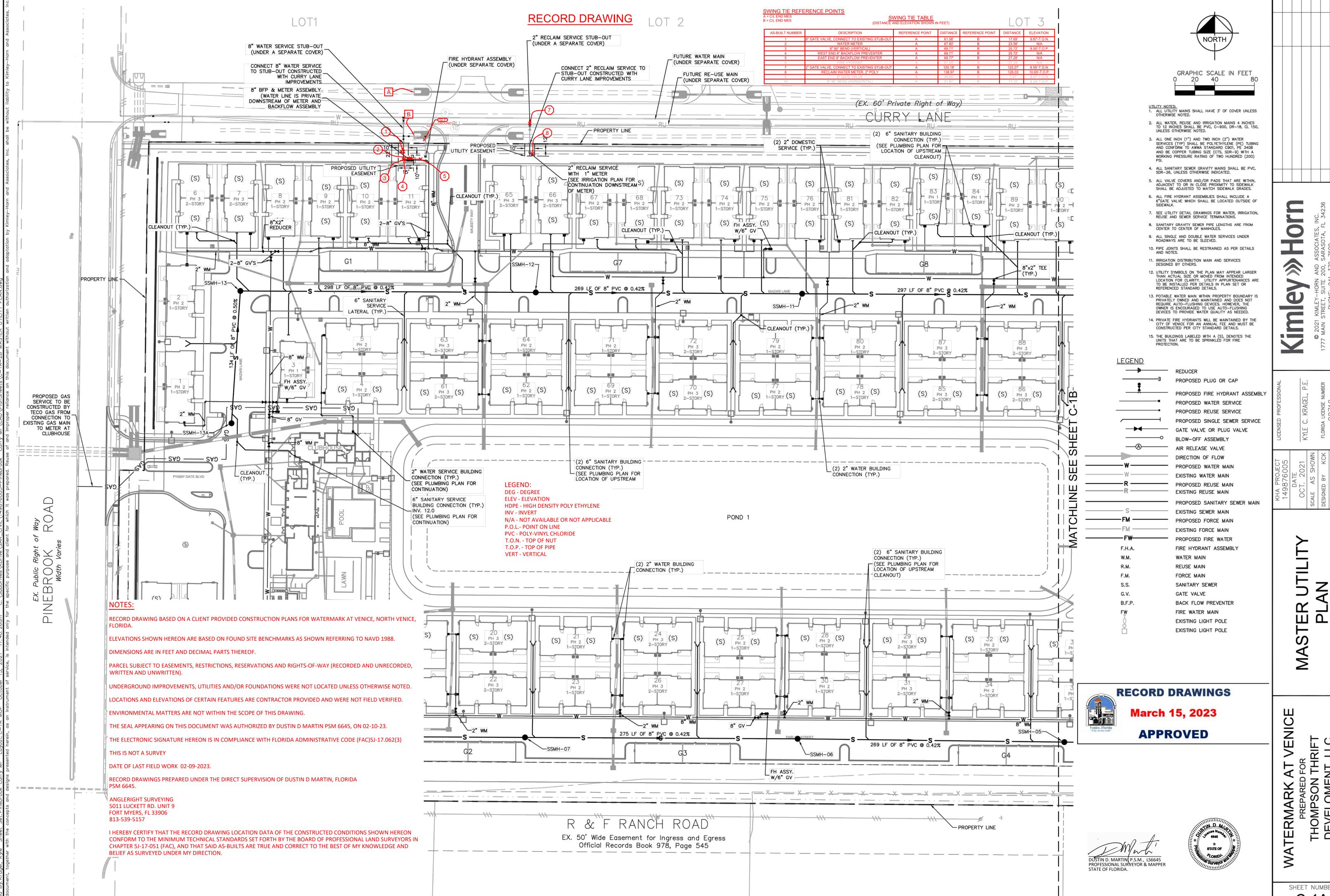
> I HEREBY CERTIFY THAT THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS, INCLUDING THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTIONS 335.075(1) AND (4), FLORIDA STATUTES.



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY KYLE C. KRAGEL, P.E. ON THE DATE ADJACENT TO THE SEAL. KYLE C. KRAGEL, P.E. No.: 88712 KIMLEY-HORN AND ASSOCIATES. INC

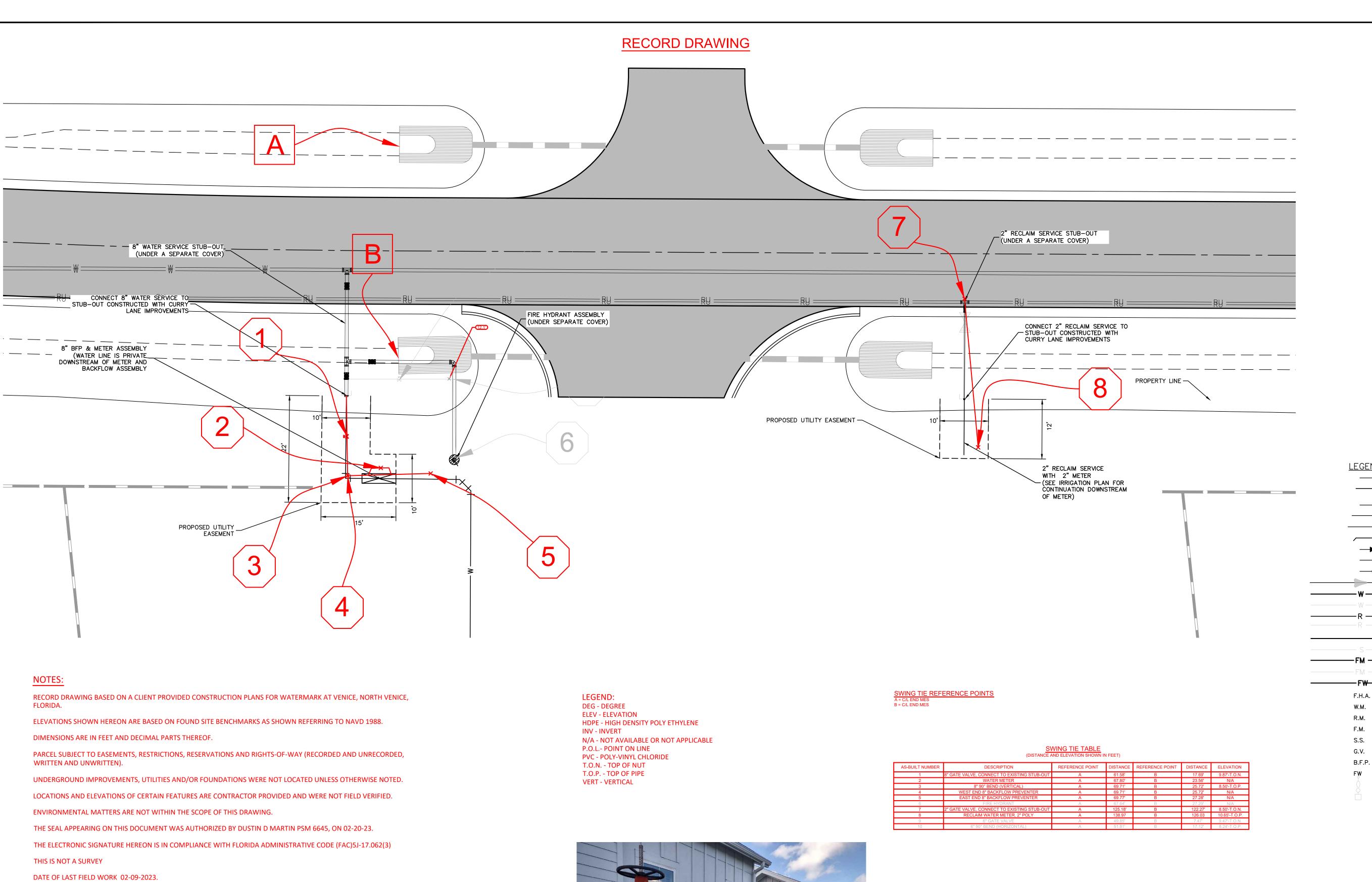
> KYLE C. KRAGEL, P.E. FLA. P.E. LICENSE # 88712 **REGISTRY NO. 696**

DATE:



TERMARK THOMI DEVEI

> SHEET NUMBER C-1A



VIEW OF BFP ASSEMBLY LOOKING SOUTHWEST, SHOWING WATER METER OFFSET ON NORTH SIDE.

RECORD DRAWINGS PREPARED UNDER THE DIRECT SUPERVISION OF DUSTIN D MARTIN, FLORIDA

I HEREBY CERTIFY THAT THE RECORD DRAWING LOCATION DATA OF THE CONSTRUCTED CONDITIONS SHOWN HEREON

CONFORM TO THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J-17-051 (FAC), AND THAT SAID AS-BUILTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND

PSM 6645.

813-539-5157

ANGLERIGHT SURVEYING 5011 LUCKETT RD. UNIT 9

FORT MYERS, FL 33906

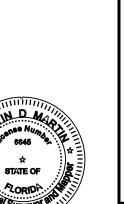
BELIEF AS SURVEYED UNDER MY DIRECTION.

**RECORD DRAWINGS** 

March 15, 2023 **APPROVED** 







C-1C

3. ALL ONE INCH (1") AND TWO INCH (2") WATER SERVICES (TYP) SHALL BE POLYETHYLENE (PE) TUBING AND CONFORM TO AWWA STANDARD C901, PE 3408 AND BE COPPER TUBING SIZE (CTS, SDR-9) WITH A WORKING PRESSURE RATING OF TWO HUNDRED (200) 4. ALL SANITARY SEWER GRAVITY MAINS SHALL BE PVC, SDR-26, UNLESS OTHERWISE INDICATED. ALL VALVE COVERS AND/OR PADS THAT ARE WITHIN, ADJACENT TO OR IN CLOSE PROXIMITY TO SIDEWALK SHALL BE ADJUSTED TO MATCH SIDEWALK GRADES. 6. ALL FIRE HYDRANT ASSEMBLIES SHALL INCLUDE A 6"GATE VALVE WHICH SHALL BE LOCATED OUTSIDE OF 7. SEE UTILITY DETAIL DRAWINGS FOR WATER, IRRIGATION, REUSE AND SEWER SERVICE TERMINATIONS. 8. SANITARY GRAVITY SEWER PIPE LENGTHS ARE FROM CENTER TO CENTER OF MANHOLES. 9. ALL SINGLE AND DOUBLE WATER SERVICES UNDER ROADWAYS ARE TO BE SLEEVED. 10. PIPE JOINTS SHALL BE RESTRAINED AS PER DETAILS AND NOTES. 11. IRRIGATION DISTRIBUTION MAIN AND SERVICES DESIGNED BY OTHERS. 12. UTILITY SYMBOLS ON THE PLAN MAY APPEAR LARGER
THAN ACTUAL SIZE OR MOVED FROM INTENDED
LOCATION FOR CLARITY. UTILITY APPURTENANCES ARE
TO BE INSTALLED PER DETAILS IN PLAN SET OR

GRAPHIC SCALE IN FEET

UTILITY NOTES:

1. ALL UTILITY MAINS SHALL HAVE 3' OF COVER UNLESS OTHERWISE NOTED.

ALL WATER, REUSE AND IRRIGATION MAINS 4 INCHES TO 12 INCHES SHALL BE PVC, C-900, DR-18, CL 150, UNLESS OTHERWISE NOTED.

REFERENCED STANDARD DETAILS.

13. POTABLE WATER MAIN WITHIN PROPERTY BOUNDARY IS PRIVATELY OWNED AND MAINTAINED AND DOES NOT REQUIRE AUTO-FLUSHING DEVICES. HOWEVER, THE OWNER IS ENCOURAGED TO USE AUTO-FLUSHING DEVICES TO PROVIDE WATER QUALITY AS NEEDED.

14. PRIVATE FIRE HYDRANTS WILL BE MAINTAINED BY THE CITY OF VENICE FOR AN ANNUAL FEE AND MUST BE CONSTRUCTED PER CITY STANDARD DETAILS.

15. ALL RESIDENTIAL BUILDINGS ARE TO BE SPRINKLED FOR FIRE PROTECTION.

REDUCER PROPOSED PLUG OR CAP PROPOSED FIRE HYDRANT ASSEMBLY PROPOSED WATER SERVICE PROPOSED REUSE SERVICE PROPOSED SINGLE SEWER SERVICE GATE VALVE OR PLUG VALVE BLOW-OFF ASSEMBLY AIR RELEASE VALVE DIRECTION OF FLOW PROPOSED WATER MAIN EXISTING WATER MAIN PROPOSED REUSE MAIN EXISTING REUSE MAIN PROPOSED SANITARY SEWER MAIN

EXISTING SEWER MAIN PROPOSED FORCE MAIN EXISTING FORCE MAIN PROPOSED FIRE WATER FIRE HYDRANT ASSEMBLY WATER MAIN REUSE MAIN

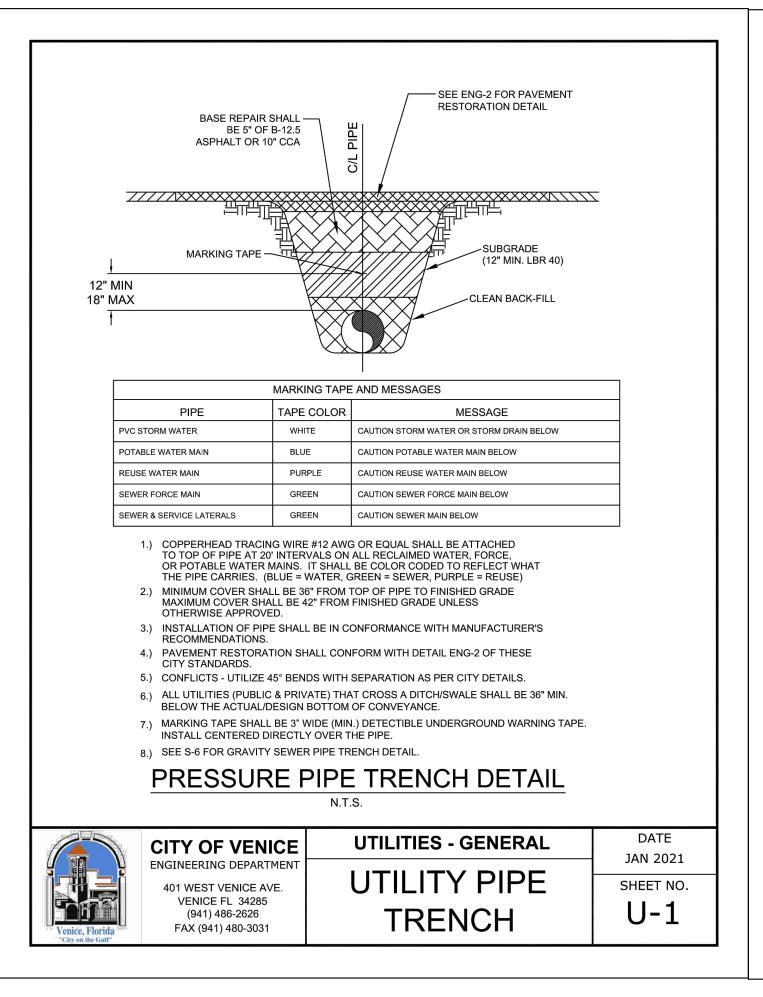
FORCE MAIN SANITARY SEWER GATE VALVE BACK FLOW PREVENTER FIRE WATER MAIN EXISTING LIGHT POLE EXISTING LIGHT POLE

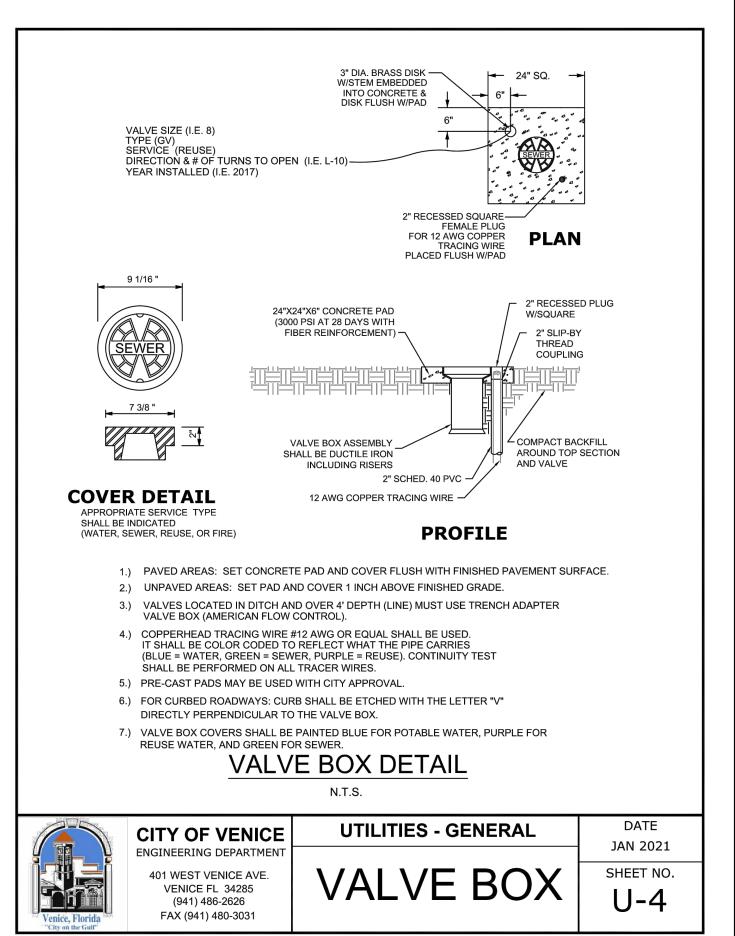
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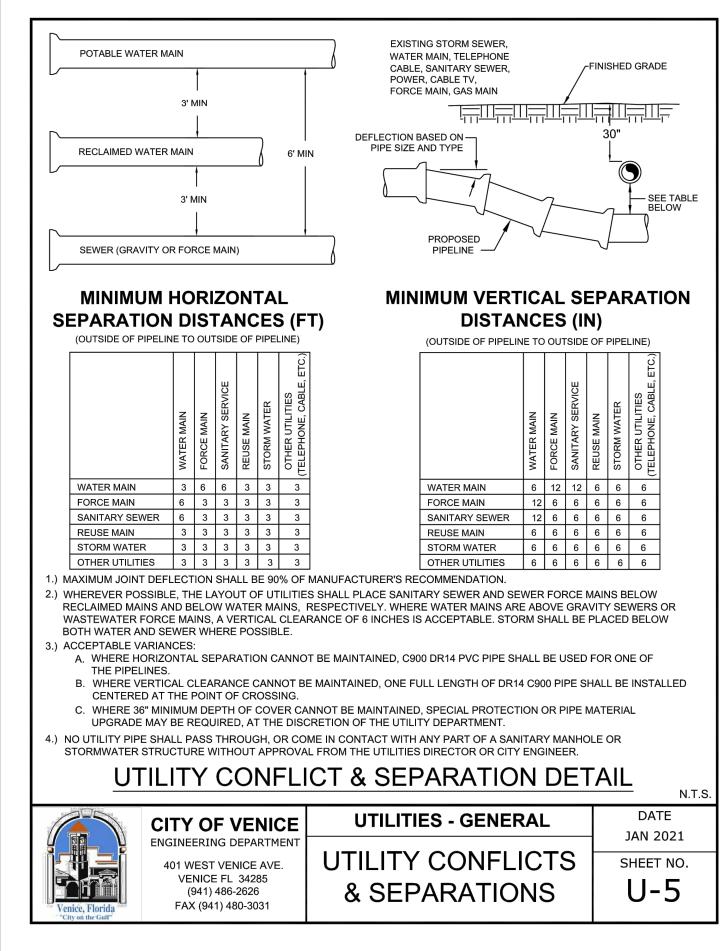
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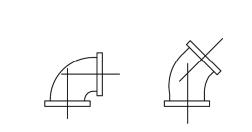
SHEET NUMBER











1.) ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON. 2.) ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER)

SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT. 3.) ALL FITTINGS SHALL MEET ANSI/AWWA C116/A21.16 STANDARDS.

## PIPE FITTINGS

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

# PIPE MATERIAL SCHEDULE

	CITY OF VENICE	UTILITIES - GENERAL	DATE
	ENGINEERING DEPARTMENT		JAN 2021
	401 WEST VENICE AVE.	PIPE FITTINGS &	SHEET NO.
	VENICE FL 34285 (941) 486-2626	MATERIAL	U-6
Venice, Florida	FAX (941) 480-3031	MATERIAL	

				` ,	FORCE SIDE OF		3		
FITTING	PIPE SIZE (INCHES)								
1111110	4	6	. 8	10	12	16	18	20	24
45 BEND: H	6	9	12	14	16	21	23	25	29
VU [	4	6	7	9	10	13	15	16	19
VD [	12	20	26	32	37	48	53	28	68
22.5 BEND: H	3	4	6	7	8	10	11	12	14
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2	3	4	4	5	6	7	8	9
VD [	7	10	13	15	18	23	26	28	33
11.25 BEND: H	2	2	3	3	4	5	5	6	7
FITTING	MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING PIPE SIZE (INCHES)								
FITTING	4	6	8	10	12	16	18	20	24
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
VD [	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
VD [	10	15	19	23	27	35	38	42	49
11.25 BEND: H	2	3	4	5	6	7	8	9	10
PLUGS:	52	73	96	115	136	174	193	211	246
ABBREVIATIONS FOR TEE OR REDUCER FIT REVIEW AND APPROVAL, U RESTRAINED JOINT LENGT LENGTH FOR FORCE (SEW) IRON SOFTWARE (AVAILAB	TINGS SL SING THE H FOR W ER) MAIN	JBMIT RES E ASSUMF ATER ANI S BASED	STRAINED PTIONS LIS D REUSE I ON TEST	) JOINT L STED ABO MAINS BA PRESSU	ENGTH CA OVE. ASED ON T RE OF 100	EST PRE	ONS TO C SSURE OI CULATION	ITY ENGI F 150 PSI NS WERE	. RESTRA

4.) THRUST BLOCKS WILL NOT BE ACCEPTED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

PRESSURE MAIN RESTRAINED

**JOINT TABLE** 

**UTILITIES - GENERAL** 

RESTRAINED

**JOINT TABLE** 

N.T.S.

DATE

JAN 2021

SHEET NO.

5.) ALL HARDWARE SHALL BE 316 SS.

CITY OF VENICE

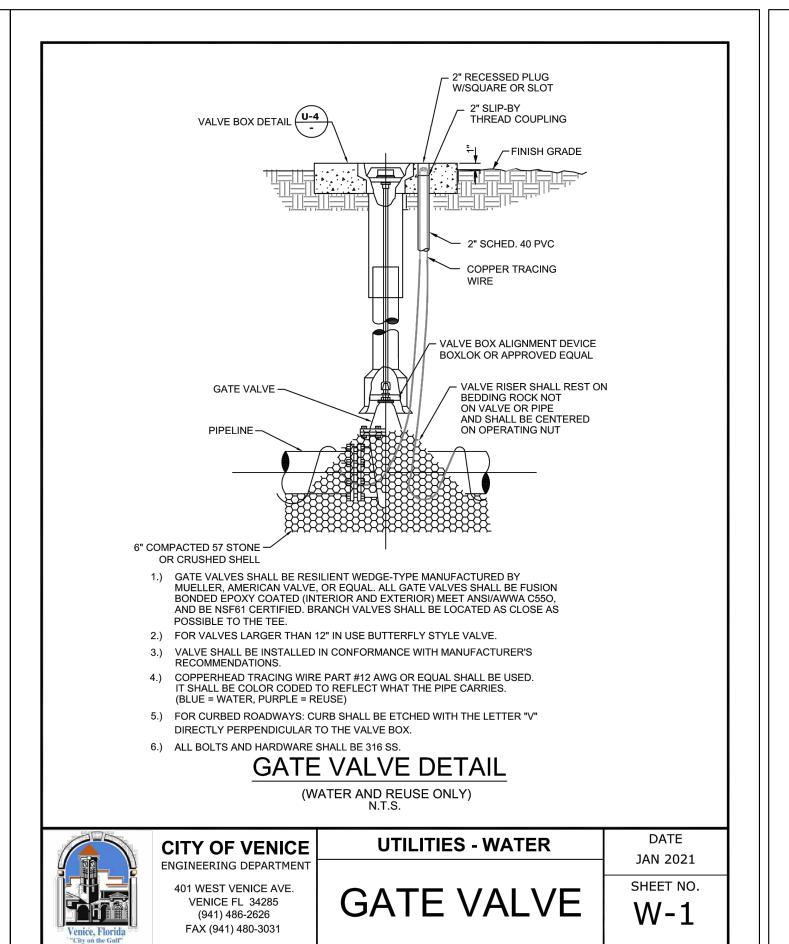
ENGINEERING DEPARTMENT

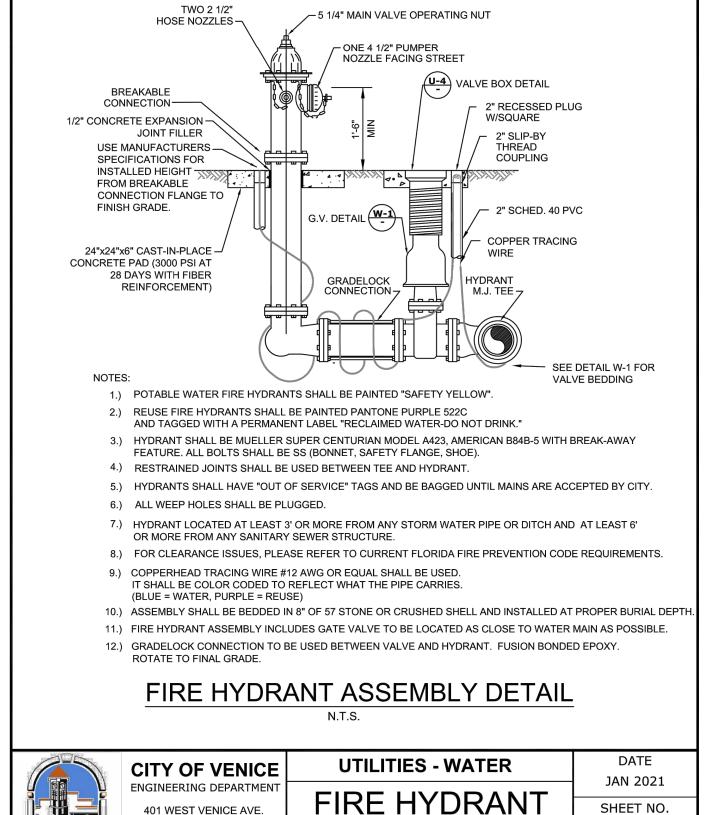
401 WEST VENICE AVE.

(941) 486-2626

FAX (941) 480-3031

VENICE FL 34285





**ASSEMBLY** 

VENICE FL 34285

(941) 486-2626

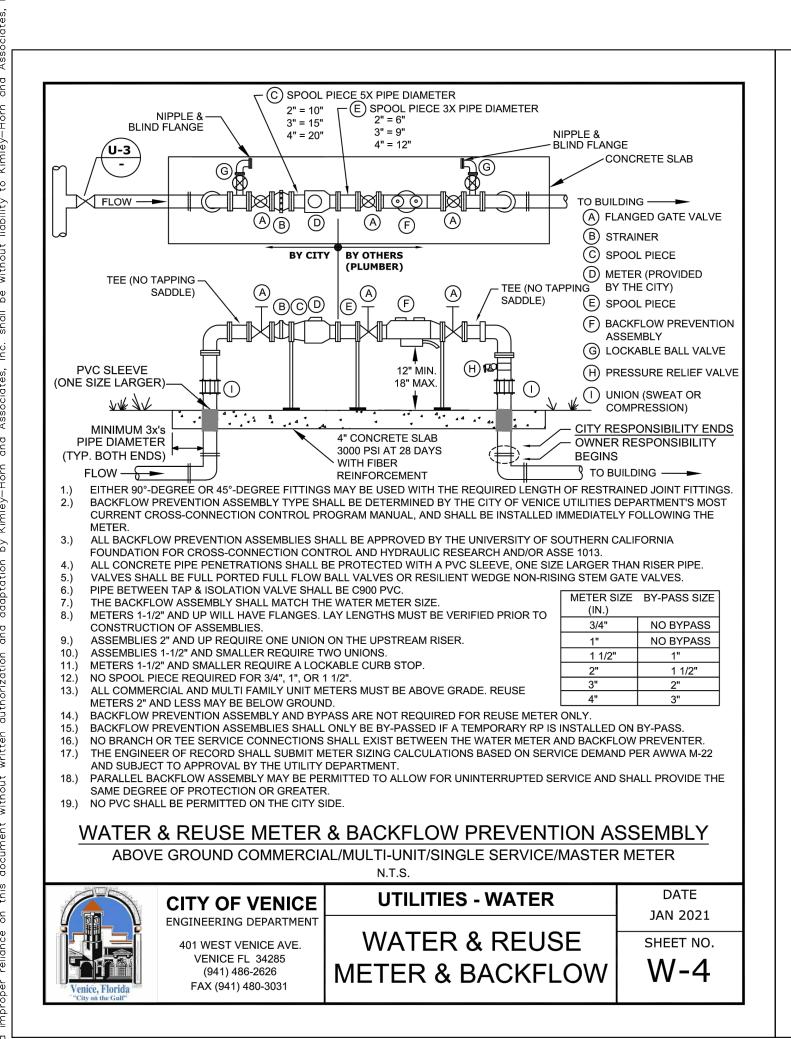
FAX (941) 480-3031

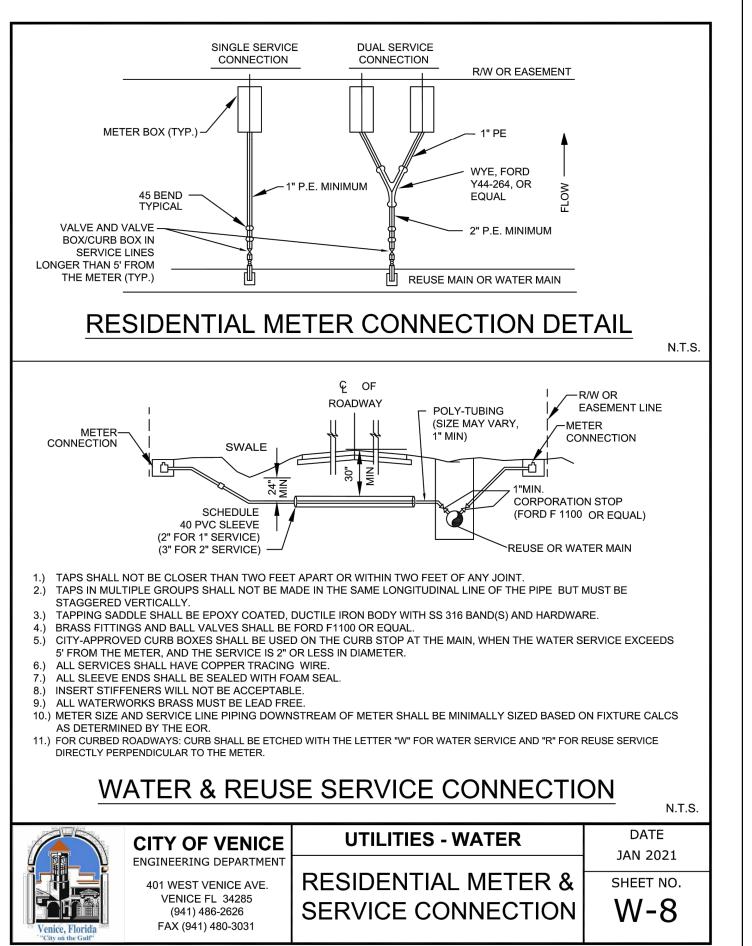
VENIC SHEET NO. W-2

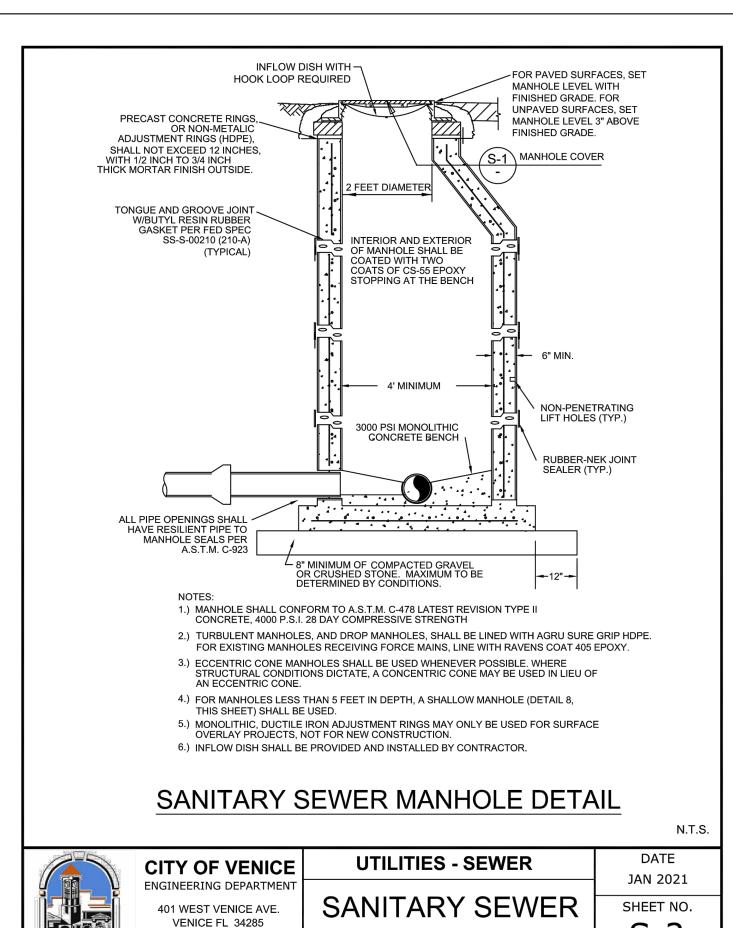
No.88712

SHEET NUMBER

C-4A



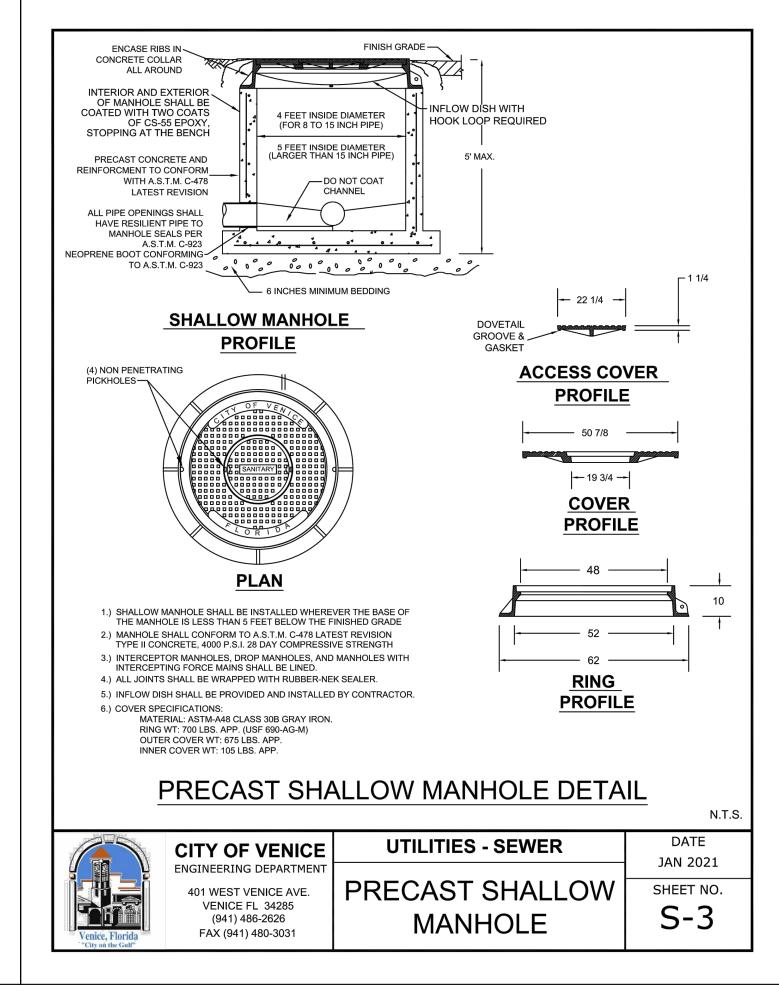




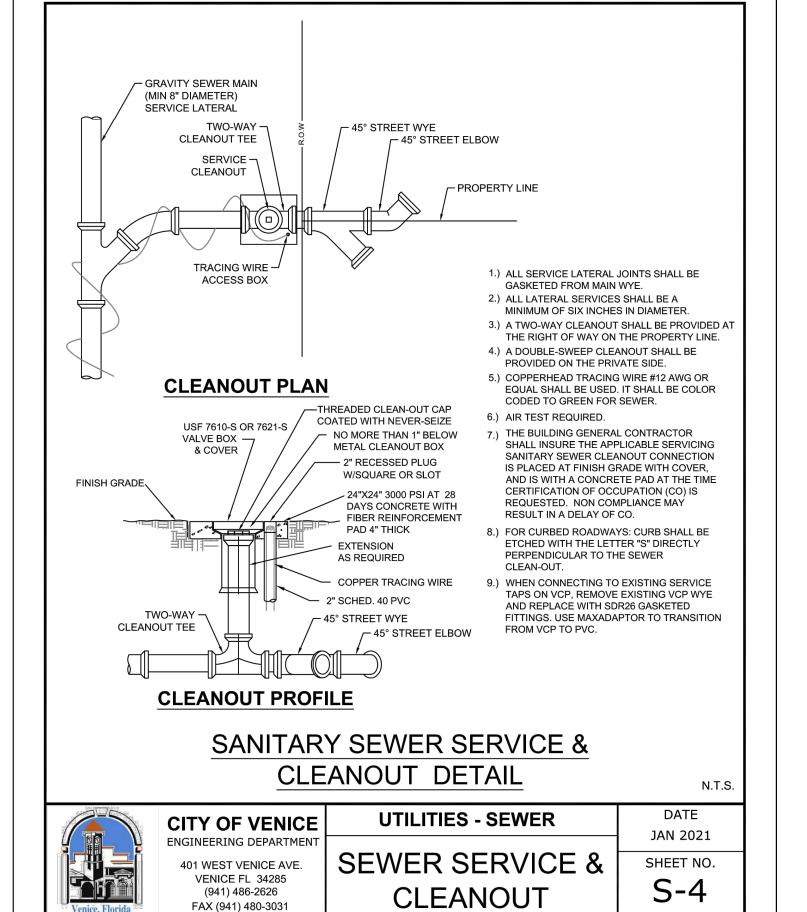
**MANHOLE** 

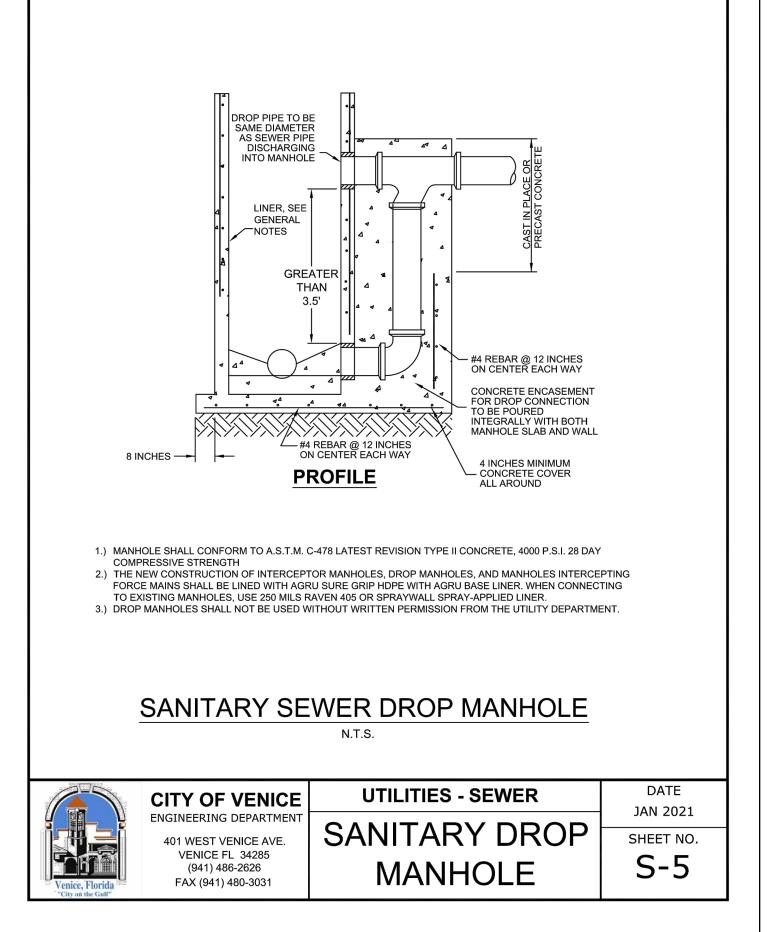
(941) 486-2626

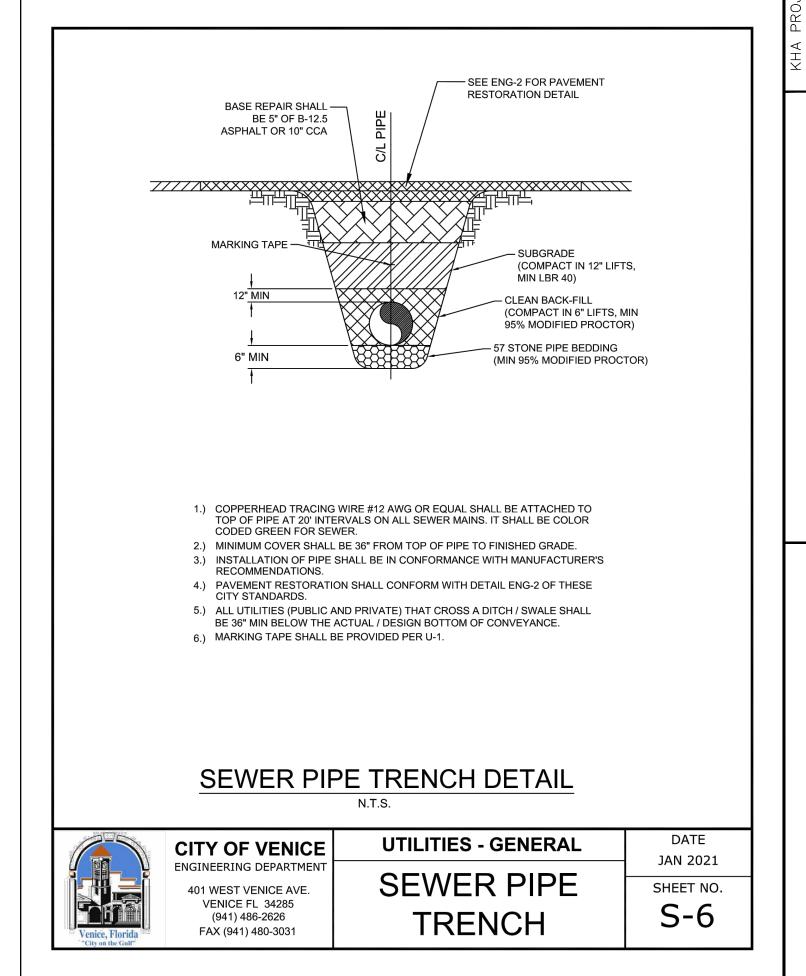
FAX (941) 480-3031

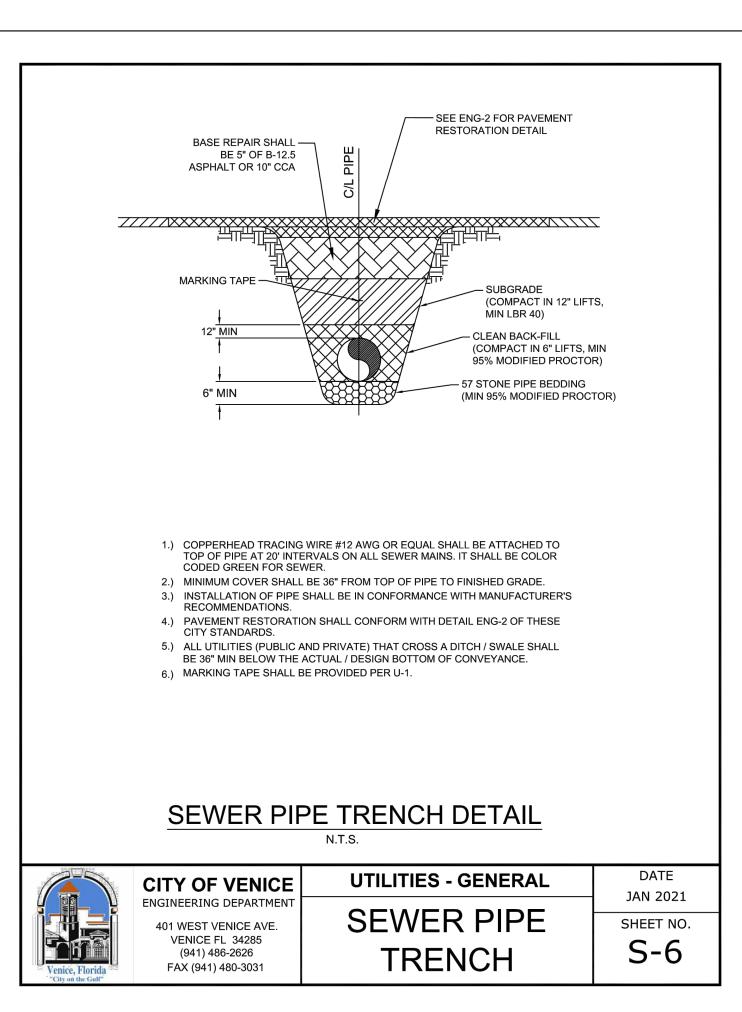












VENIC WA

EC.KRA

No.88712

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SHEET NUMBER

C-4B