CITY OF JACKSONVILLE NOTES

GENERAL

JEA

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

CITY: Except for new subdivision infrastructure construction, all work performed within a City of

performing the proposed work must have a current Right-of-way Bond on file with Development

Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor

STATE: All work performed within a state right-of-way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance-of-traffic approvals for work within FDOT right-of-ways. The

needed for FDOT approval must be submitted to Development Services as revisions.

right-of-ways. It is the developer's responsibility to obtain permission from any railroad

Annual reports in compliance with the SJRWMD stormwater permits are required from the maintenance entity of all stormwater management facilities. Send copies of the reports to:

The owner of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning

right-of-way owner before performing any work within their right-of-way.

http://www.coj.net/Departments/Public+Works/Engineering+and+Construction+Management/

FDOT regional office can be contacted at (904) 360-5200 Any changes to the approved plans

RAILROAD: Railroad companies may require special approvals or permits to work within their

UTILITY WORK

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric construction must be approved separately through the respective utility company. In most cases, this will be:

JEA Tower - 4th Floor, 21 W. Church Street, Jacksonville, FL 32202 http://www.jea.com/business/services/devandbuild/developers.asp

Services. Right-of-way Permit applications are processed at:

WORK WITHIN THE RIGHT-OF-WAY

Development Services Customer Service Counter

Edward Ball Building, 2nd Floor

214 N. Hogan St.

(904) 255-8572 http://row.jaxdev.info/

Jacksonville, FL 32202

Adjacent State Roads:

STORMWATER

214 N. Hogan St. Jacksonville, FL 32202

2600 Blair Stone Road Tallahassee, Florida 32399-2400

Engineering and Construction Management

construction. Send NOI and NOI fee to:

Florida Department of Environmental Protection NPDES Stormwater Notices Center, Mail Station #2510

Edward Ball Building, 10th Floor

CONSTRUCTION DRAWINGS FOR

(866) 336-6312 http://www.dep.state.fl.us/water/stormwater/npdes/ The contractor shall contact Environmental Quality Division, Erosion and Sedimentation
Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection:
Environmental Quality Division 407 North Laura Street, Third Floor Jacksonville, FL, 32202 (904) 255-7222
FIRE MARSHALL Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.
Underground mains and hydrants shall be installed, completed, and in service prior to construction work.
Underground contractor shall submit to the Fire Marshall for approval complete specs for all underground pipe and fittings relating to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with contractor's state license number.
LANDSCAPE
A Site Work Permit is required for this project.
Tree Fund payment is due: inches at \$ = \$
Article 25 funds are due: inches at \$ = \$
TRAFFIC ENGINEERING TRAFFIC SIGNS
Metro Name (each)
Standard (each)
Stop/Yield (each)
Design (per plat) 1 per plat
Installation (per hour) 1 per 2 signs (rounded up)
Streetlights Required
NOTE: Traffic sign costs change from time to time. Consult Attachment 8 of the Land Development Procedures Manual (http://ldpm.jaxdev.com/) for the current rates before paying for any sign installations.
No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.

PREPARED BY: ENGLAND, THIMS, & MILLER, INC.

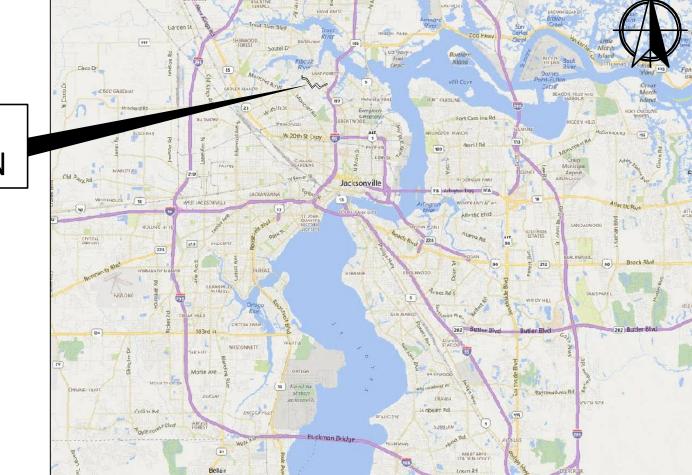


JEA REFERENCE DOCUMENTS IN EFFECT **DURING DESIGN:** Water and Wastewater Standards Manual (Jan, 2019) Water, Wastewater, and Reclaimed Water Design Guidelines (Jan, 2019) **Building Community**_{sm}

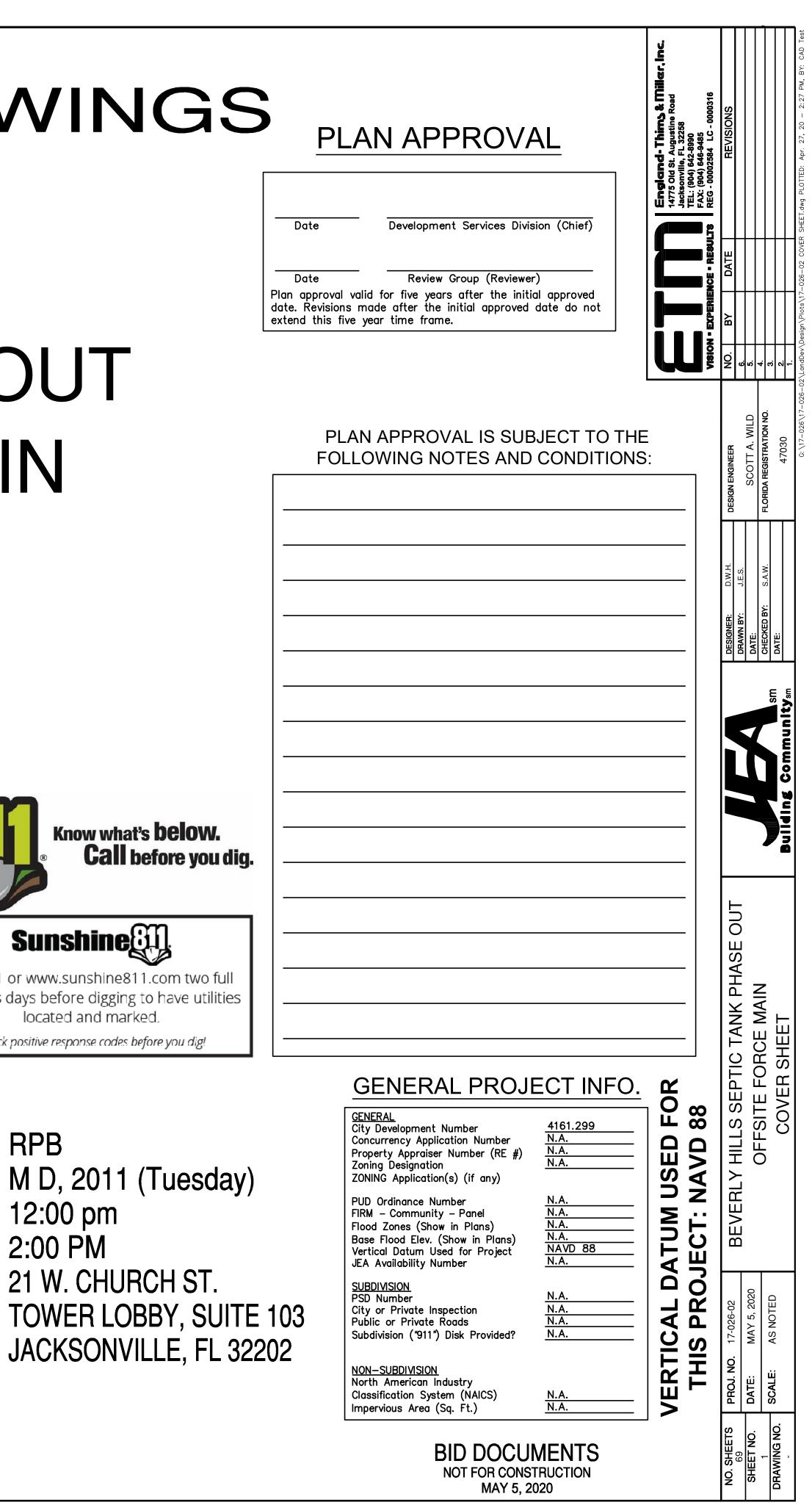
BEVERLY HILLS SEPTIC TANK PHASE OUT **OFFSITE FORCE MAIN**

JEA PROJ. NO.: 8005613 ETM PROJ. NO.: 17-026-02











Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked. Check positive response codes before you dig!

VICINITY MAP NOT TO SCALE

> IFB BID NO.: BID DUE DATE: TIME OF RECEIPT: TIME OF OPENING: BID PLACE:

> > sm

RPB 12:00 pm 2:00 PM 21 W. CHURCH ST.

BLE					RES	TORATION	NOTES		
APPLICA	SURVEY AND LC				1. THE PROF	CONTRACTOR SHALL EMPL PERTY CORNERS AND LANI	OY A LAND SURVEYOR, REGISTE MARKS WHICH MAY BE DISTURE	ERED IN THE STATE OF FLORIDA, TO REFERENCE BED BY CONSTRUCTION, KNOWN CORNER LOCA	
 ■ APPL 	1. ALL ELEVATIONS ARE BASED ON	-					JACKSONVILLE ENGINEERING DIVI	'ISION. IEADWALLS AND STORM DRAIN INLETS REMOVEI) OR
	 2. ELEVATIONS ARE BASED ON NAV 					URBED BY THE CONSTRUC			
□■	3. LOCATION OF EXISTING UTILITIES	S OBTAINED BY S	SOFT DIG LOCATES WHERE SHOWN ON PLANS, OR INCLUDE	D WITH BID SPECS.			MARKINGS SHALL BE RESTORED DOT STANDARD SPECIFICATIONS.	D TO THEIR PRE-CONSTRUCTION CONDITION IN A	ACCORDANCE
	4. EXISTING WATER AND SEWER LIN	NES ARE SHOWN	N AS PER FIELD LOCATES AND SUBDIVISION AS-BUILT PLANS).				D DURING CONSTRUCTION SHALL BE REPLACED S. SIDEWALKS REMOVED AND REPLACED IN CUR	
		THAT IN SOME	ZING GROUND PENETRATING RADAR (GPR) AND A DIGITAL L CASES UTILITIES HAVE BEEN LOCATED, AND SURVEY HAS B		THE	RIGHT-OF-WAY LINE OR NE	AREST JOINT AND REMOVED AND	ALLED. DRIVEWAYS AND SIDEWALKS SHALL BE S D REPLACED TO THE EDGE OF STREET. DISTURBED OR DAMAGED BY THE CONSTRUCTION	
	6. ALL PIPE LENGTHS SHOWN ON PI ETC. OR ALONG THE CENTER LIN		ES ARE FROM CENTER TO CENTER OF MANHOLES, CATCH INS AND WATER MAINS.	BASINS, INLETS	6. ALL F	PAVEMENT REPAIR SHALL E	BE IN ACCORDANCE WITH THE CI	ITY OF JACKSONVILLE/FDOT STANDARD DETAILS	
□■	7. INVERT ELEVATIONS SHOWN ON	DRAWINGS REF	ER TO THE CENTERLINE OF MANHOLES, UNLESS OTHERWIS	SE INDICATED.		CIFICATIONS LATEST EDITIO		PAVEMENT AS PER C.O.J. CASE X (10) PAVEMENT	
	8. THE LOCATION OF ALL EXISTING OF NEW SERVICES SHALL BE VER		TER SERVICE LINES MAY NOT BE INDICATED ON THESE PLA	NS. THE LOCATION		ACEMENT DETAIL.			
□■	9. BENCHMARK DATA:PER SURV					TRACTOR MUST MAINTAIN / E OCCURRED.	AND PRESERVE NEWLY GRADED) AREAS AND REPAIR AREAS WHERE SETTLING A	ND EROSION
			S (NOT ALL INCLUSIVE):		UTIL	ITY CONTA			
	1. CONTRACTOR TO OBTAIN ALL RE						IC WORKS DEPT. – – – – –		— —904-630-2489
			N THE PROJECT AREA UNLESS SPECIFICALLY SHOWN ON PL	ANS	D. FLOF	RIDA DEPT. OF TRANSPOR	TATION ————————		— — —904-360-5200
	3. THE CONTRACTOR IS RESPONSIE	BLE FOR OBTAIN	IING A CONSUMPTIVE USE PERMIT (C.U.P.) THROUGH THE S		F. JEA	~ GENERAL INFORMATION ~ PROJECT OUTREACH — ~ POWER OUTAGES — —			— — — 904-665-7500
	4 THE DEPARTMENT OF TRANSPOR		CTIVITIES BE REQUIRED. DAD COMPANIES AND C.O.J. ARE TO BE NOTIFIED IN ADVAN	CF OF	H. JEA	~ POWER OUTAGES — — ~ SEWER PROBLEMS — — ~ WATER PROBLEMS — —			- — -904-665-4802
	CONSTRUCTION PER THEIR RESP	PECTIVE PERMIT	CONDITIONS.		J. COM	~ WATER PROBLEMS — · ICAST ~ EMERGENCY HOTL 0/PEOPLES GAS — — —	_INE		— —904-380-6341
			DOCUMENTS, JEA WATER AND SEWER STANDARDS, DETAIL STANDARD SPECIFICATIONS AND DETAILS AND ALL APPLIC			SHINE ONE CALL — — —			
	NOTIFIED. WITH APPROVAL OF T	HE PERMITTING	IPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER A AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RES D AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST	ISTANT GASKET					
	7. THE CONTRACTOR SHALL NOTIFY PRIOR TO CONSTRUCTION OF FA		TILITY CONTACT PERSONNEL NOT LESS THAN ONE WEEK IR RESPECTIVE AREAS.			<u>GENERAL</u>	LEGEND	UTILITY SYM	IBOLS
		IEETS. NO TRIMN	VITH JACKSONVILLE ORDINANCE CODE 656 AND/OR AS /ING OF OVERHANGING TREE LIMBS WILL BE ALLOWED.	RIGHT OF WAY LINE		EXISTING	PROPOSED	ELECTRIC POLE OR S.B.T. POLE (WOOD)	OR C (WITH LIGHT)
	SEDIMENTATION CONTROL DEVIC		E INLET STRUCTURES IN THE PROJECT AREA AND ERECT ARY PER THE CITY OF JACKSONVILLE STORMWATER	CENTER LINE	ION	6' CHAIN LINK	<u> </u>	WOOD POWER POLE ELECTRIC POLE OR S.B.T. POLE (CONC.)	O WPP P OR P (WITH LIGHT)
	POLLUTION PREVENTION PLAN. 10. CONTRACTOR TO COORDINATE V	WORK WITH OTH	ER UTILITIES DURING CONSTRUCTION.	FENCE (HEIGHT & MAT' INDICATED)	L.	X	— X <u>– 6' CHAIN LINK</u>	CONCRETE POWER POLE GUY WIRE	
F F	(ISTING UTILITY F	PROTE	CTION:	DITCH OR SWALE		DD		TRAFFIC SIGNAL POLE	O I.P.
			TY DAMAGES OCCURRING IN THE DUVAL COUNTY	CATCH BASIN					
CAUS	ED BY HIS WORK THROUGH FIELD VEF	RIFICATION OF T	PREVENT DAMAGES TO EXISTING UTILITIES HE LOCATION OF THE EXISTING UTILITIES. IN THE	STORM DRAIN GRATE		24" RCP	24" RCP	UNDERGROUND TELECOMMUNICATION LINE	UGT
CASE			DRMED DURING THE CONTRACTORS WORK. IN THE E PLACE PRIOR TO MOBILIZATION OF THE DRILLING	STORM SEWER (SIZE & MAT'L. INDICATED)				UNDERGROUND GAS LINE UNDERGROUND FIBER OPTIC LINE	UGG UFO
) -		TION OF EXISTI	NG UTILITIES AS NEEDED TO AVOID CONTACT.	STORM SEWER (SIZE & MAT'L. INDICATED)			=======	OVERHEAD UTILITIES UNDERGROUND WATER LINE	OH UGW
METH	ODS MAY INCLUDE BUT SHALL NOT BE	LIMITED TO "SO	EQUIPMENT OR OTHER ACCEPTABLE MEANS. SUCH DFT DIG" EQUIPMENT AND GROUND PENETRATING	CULVERT W/ENDWALLS	G (SIZE &	18" CMP	╔╼ <u>᠆^{18" CMP}</u> ฦ	UNDERGROUND SANITARY SEWER LINE (GF	AVITY)S
	R (GPR). THE EXCAVATOR SHALL BE HI ASTRUCTURE AND THE EXISTING FACIL		DAMAGES CAUSED TO THE CITY'S/JEA'S UTILITY COMPANIES.	MAT'L. INDICATED) WATER MAIN		w6"₩ <u>VC</u>		UNDERGROUND SANITARY SEWER LINE (FC	
			OR TO LOCATE AND AVOID ALL UTILITIES, OTHER W GROUND SURFACE. ALL DAMAGE RESULTING	SIZE, TYPE INDICATED			c 8" PVC	WATER METER WATER METER WITH TOUCHREAD	WM(TR)
	I THE CONTRACTOR'S FAILURE TO CON RACTOR'S EXPENSE.	MPLY WITH THIS	REQUIREMENT SHALL BE REPAIRED AT THE	SIZE, TYPE INDICATED		SS	<u>5</u>	TELEPHONE BOX	T T
Δ	BREVIATIONS:			SEWER FORCE MAIN SIZE, TYPE INDICATED LINE VALVE		FM		CATV BOX	
			INTERSECTION	CHECK VALVE				CONCRETE MONUMENT	⊡ см
AC A.G. B	ASBESTOS CEMENT ALLEY GRATE BASE LINE	INT. INV. I.P.	INVERT IRON PIPE	FIRE HYDRANT		мф	₩¢	SOIL BORING (NUMBER INDICATED)	⊕ B−1
B.M. BC	BENCH MARK BOTTOM OF CURVE	J.W.W.	JACKSONVILLE WATER WORKS	VALVE (TYPE INDICATE	D)			SOFT DIG (TEST HOLE) (NUMBER INDICATED)) 😧 TH1
C.B. C.I.	CATCH BASIN CAST IRON	LT. MB	LEFT MAIL BOX	PLUG (AT END OF LINE)		-		BENCHMARK	\bullet
G C.E.P.	CENTER LINE CITY ELECTRIC POLE	M.H. N.T.S.	MANHOLE NOT TO SCALE	VALVE (TYPE INDICATE	D)	N N		TREE, SIZE & TYPE INDICATED	• 12" O
CONC. CONST.	CONCRETE CONSTRUCTION	0.E. 0.T.	OVERHEAD ELECTRIC OVERHEAD TELEPHONE	REDUCER		D		MAIL BOX	MB
C.M.P. C.M.P.A. CULV.	CORRUGATED METAL PIPE CORRUGATED METAL PIPE ARCH CULVERT	P.R.M. P.V.C.	PERMANENT REFERENCE MONUMENT POLYVINYL CHLORIDE	FIRE HYDRANT		-Ó-		SIGN - TYPE INDICATED	O
C&G C	CURB & GUTTER CUT	r R	RADIUS RATE	SPOT ELEVATION	,	HC × COR × J	1275 <u>NHC</u>	BUSH, SHRUB OR HEDGE	(SHRUB
D.B.I. D.W. OR DR	DITCH BOTTOM INVERT DRIVEWAY	R.C.P. RT	RIGHT	MANHOLE - TYPE (IF IN E - ELECTRIC S - SANIT	DICATED) ARY	×(100.00) OR × 100.00		FULL DEPTH ASPHALT PAVEMENT REPLACEMENT	
D.I. E.O.P.	DUCTILE IRON EDGE OF PAVEMENT	R/W R.D.	RIGHT OF WAY ROOF DRAIN	D - STORM T - TELEPHC CLEAN OUT	NE	• C.O.	MH1	ASPHALT PAVEMENT OVERLAY	
ELEV.	ELEVATION ELLIPTICAL REINFORCED	S/W S.B.T.	SIDE WALK SOUTHERN BELL TELEPHONE STATION	SPRINKLER HEAD TEMPORARY SAMPLING	G TAP POINT	• SPR	SAMPLE TAP NO. TAP NO.	AND REPLACED	
EXP. JT. F	CONC. PIPE EXPANSION JOINT FILL	STA TC TFM	STATION TOP OF CURVE TOP OF FORCE MAIN	(BACTERIOLOGICAL SA)			
F.H.	FIEL FIRE HYDRANT FLOW LINE	TWM TWM U.G.E.	TOP OF WATER MAIN UNDERGROUND ELECTRIC	SILT HAY BARRIER					
FM GALV./GLV	FORCE MAIN GALVANIZED	U.G.T. U.S.C. & G.S.	UNDERGROUND TELEPHONE UNITED STATES COASTAL &				<u> ALLENT</u>		
G G.V.	GAS LINE GAS VALVE	V.C.	GEODETIC SURVEY VITRIFIED CLAY						
HDPE	HIGH DENSITY POLYETHYLENE PIPE HEAD WALL	WM W.V. WI P	WATER METER WATER VALVE WOOD LIGHT POLE						
H.W. H.C.	HEAD WALL HIGH CURB	WLP WPP WTP	WOOD LIGHT POLE WOOD POWER POLE WOOD TELEPHONE POLE						

 \sim

INSTALLATION NOTES:

ž	AF		ISTALLATION IN
		1.	CONTRACTOR TO REHABILITATE A SPECIFICATION 446-2, UNLESS OTH
		2.	CONTRACTOR TO RENEW, REHABI
		3.	CONTRACTOR TO INSTALL SEWER SEWER MAIN IS LESS THAN 5 FEET
		4.	WHEN THE DISTANCE BETWEEN A CONTRACTOR SHALL BE RESPONS POLES. THE CONTACTS FOR JEA A
			RICHARD HEALD, EMAIL: healrs@
			A MINIMUM OF TWO (2) WORKING E DISCUSS THE REQUIRED WORK. AI WORK TO BE ACCOMPLISHED.
		5.	ALL NEW STORM DRAIN PIPE JOINT
		6.	THE DESIGN FOR THE PROJECT IS ALTERNATIVE MEANS OR METHOD MEANS OR METHOD.
	•	7.	THE CONTRACTOR SHALL MINIMIZE METHODS SHALL BE LEFT TO THE CONTRACT SPECIFICATIONS. NO E WORK DAY.
		8.	CONTRACTOR SHALL PROVIDE ADD CONSTRUCTION AS NEEDED. CORD CORPORATION STOP LOCATIONS C
		9.	WATER AND SEWER SERVICES SH CERTIFICATION, AND PRIOR TO TH
		10.	IF EXISTING VALVES ARE IN UNPAV THE VALVE BOX AND COVER SHAL CLOSED, THE VALVE BOX GROUT F
		11.	CONTRACTOR SHALL REPLACE EX
		12.	CONTRACTOR TO PROVIDE ADDITI SELECTION PER JEA STANDARDS.
		13.	WATER METERS MAY REQUIRE RE DEPARTMENT AND RELOCATE WAT
	•	14.	PRIOR TO COMMENCING ANY EXCA TOPOGRAPHIC SURVEY DATA AND CONTRACTOR DISCOVER ANY INAC IMMEDIATELY NOTIFY THE DESIGN ORDERED.
		15.	SHEET PILING WILL BE REQUIRED
		16.	ALL WATER, RECLAIMED WATER, A UNDER THE CURRENT FLORIDA ST CHAPTER 489 FS.
		17.	THE CONTRACTOR SHALL CONTAC JEA WATER AND WASTEWATER UT
•		18.	JEA WATER AND WASTEWATER TA WATER METER INSTALLATION. WA (TRANSFER OF OWNERSHIP) DOCU WATER AND WASTEWATER IMPRO
		19.	FINAL CONNECTION TO THE JEA SY (TRANSFER OF OWNERSHIP/MAINT
	•	20.	THE MINIMUM HORIZONTAL AND VI IMPROVEMENTS SHALL CONFORM BETWEEN THE PROPOSED WATER WATER AND WASTEWATER STAND
	•	21.	WATER AND WASTEWATER PIPES UNPAVED OR SIDEWALK AREAS AN OPEN CUT AND UTILIZING HORIZON WASTEWATER STANDARDS MANUA
	•	22.	WATER AND WASTEWATER PRESS TWO TIMES OPERATING PRESSUR BACTERIOLOGICAL ANALYSIS. ALL INSPECTOR SHALL BE NOTIFIED 72 POTABLE WATER MAINS SHALL BE
•		23.	RESIDENTIAL SERVICES USING RE ON EACH POTABLE WATER SERVIC BACKFLOW PREVENTER SHALL BE WATER SERVICES, APPENDIX B, C
		24.	FOR DEVELOPMENTS UTILIZING REPRIOR TO THE INSTALLATION OF T
		25.	ALL BACKFLOW PREVENTERS SHA TESTED AFTER INSTALLATION BY A
		26.	BACKFLOW PREVENTERS ON FIRE

England-Thims & Millær, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 642-8990 FAX: (904) 646-9485 RS REG - 00002584 LC - 0000316	REVISIONS					
	BY DATE					
	NO.	2. 6	4.	ю.	5 is	1.
	DESIGN ENGINEER	SCOTT A. WILD			47030	
		DHAWN BY: J.E.S. DATE:	, ED DV.	CHECKED B1. S.A.W.	DATE:	
UIRED F THE				am s		DUILEINE COMMUNICYS
ILLED ID IST BE	BEVERI Y HILLS SEPTIC TANK PHASE OUT		OFFSITE FORCE MAIN		GENERAL NOTES & LEGEND	
D ST BE	BFVF)				

ALL MANHOLES ON PIPE BURST SEWERS VIA COATING/LINING PER JEA THERWISE NOTED ON THE PLANS.

BILITATE, REPLACE OR REINSTALL AS APPLICABLE ALL SERVICE LATERALS TO R.O.W.

SERVICE PIPING A MINIMUM OF 60 INCHES BELOW GRADE. WHERE NEW SANITARY T DEEP, THE SEWER SERVICE PIPE SHALL BE INSTALLED AS DEEP AS POSSIBLE.

A POWER POLE AND THE TRENCH IS LESS THAN THE TRENCH DEPTH, THE SIBLE FOR COORDINATING WITH JEA ELECTRICAL PERSONNEL TO SECURE POWER ARE AS FOLLOWS:

s@jea.com

DAYS NOTICE IS REQUIRED FOR AN OUTSIDE MEETING WITH JEA ELECTRICAL TO ADDITIONAL TIME WILL BE REQUIRED BY JEA ELECTRICAL FOR ANY REQUIRED

NTS SHALL BE WRAPPED WITH FILTER FABRIC.

BASED UPON THE "OPEN-CUT" METHOD OF CONSTRUCTION. IF USING DDS, THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE STANDARDS FOR THAT

ZE SERVICE INTERRUPTIONS AT SERVICE CONNECTIONS. THE MEANS AND E DISCRETION OF THE CONTRACTOR, SUBJECT TO THE REQUIREMENTS OF THE EXISTING ACTIVE SERVICE SHALL BE LEFT INTERRUPTED AT THE END OF THE

DDITIONAL CORPORATION STOPS FOR FILLING AND DRAINING PURPOSES DURING RPORATION STOPS ARE TO BE PLUGGED AND LEFT IN PLACE. INDICATE S ON RECORD DRAWINGS (AS-BUILTS).

HALL BE TRANSFERRED TO THE NEW MAIN UPON COMPLETION AND F.D.E.P./J.E.A. HE EXISTING MAINS BEING ABANDONED.

AVED AREAS AND ARE TO BE TAKEN OUT OF SERVICE, THEY SHALL BE CLOSED AND ALL BE REMOVED. IF THE VALVES ARE UNDER PAVED AREAS, THEY SHALL BE FILLED AND THE COVER REMOVED.

XISTING WATER METER BOXES WHEN DEEMED NECESSARY BY THE JEA INSPECTOR.

TIONAL DEPTH OF BURY VIA PIPE JOINT DEFLECTION TO ACCOMMODATE VALVE

ELOCATION FOR CONSTRUCTION, CONTRACTOR SHALL CONTACT JEA METER ATER METERS AS NECESSARY.

CAVATION OR GRADING, THE CONTRACTOR SHALL OBTAIN ALL GEOTECHNICAL AND ID LOCATIONS OF ABOVE GROUND AND UNDERGROUND UTILITIES. SHOULD THE ACCURACIES, ERRORS OR OMISSIONS IN THE SURVEY DATA, HE SHALL N ENGINEER IN ORDER THAT PROPER ADJUSTMENTS CAN BE ANTICIPATED AND

O ON ALL EXCAVATIONS DEEPER THAN 16 FEET.

AND WASTEWATER CONSTRUCTION SHALL BE PROVIDED BY A CONTRACTOR QUALIFIED, AS REQUIRED STATUTE, OR BY AN UNDERGROUND UTILITY CONTRACTOR, LICENSED UNDER THE PROVISIONS OF

ACT THE JEA, AND SCHEDULE A PRE-CONSTRUCTION MEETING, TO BE HELD PRIOR TO INITIATING THE UTILITY WORK, INCLUDING ALL UTILITY MAIN TAPS BY THE CONTRACTOR.

AP FEES, JEA WATER AND SEWER CAPACITY FEES, AND JEA METER FEES SHALL BE PAID PRIOR TO THE ATER METERS WILL NOT BE INSTALLED PRIOR TO THE ISSUANCE OF REQUIRED ACCEPTANCE CUMENTS, WHICH MAY INCLUDE THE ISSUANCE OF A REGULATORY CLEARANCE LETTER (COC) FOR THE ROVEMENTS, COMPLETION, AND APPROVAL OF FINAL INSPECTION AND APPROVED AS-BUILT DRAWINGS.

SYSTEM MAY BE CONTINGENT UPON THE CONSTRUCTION, DEDICATION, AND FINAL ACCEPTANCE NTENANCE) OF THE JEA OFF-SITE UTILITIES.

VERTICAL SEPARATION REQUIREMENTS FOR THE WATER, RECLAIMED WATER, AND WASTEWATER M TO THE LATEST JEA AND FDEP RULES. THE MINIMUM HORIZONTAL SEPARATION REQUIREMENTS R AND WASTEWATER UTILITIES AND PONDS OR STRUCTURES SHALL CONFORM TO THE LATEST JEA IDARDS MANUAL.

S LESS THAN 24-INCHES IN DIAMETER SHALL BE CONSTRUCTED WITH A MINIMUM 30-INCHES COVER IN AND A MINIMUM OF 36-INCHES COVER IN PAVED AREAS. THE MAXIMUM COVER FOR UTILITIES, BOTH ONTAL DIRECTIONAL DRILL METHODS, SHALL COMPLY WITH THE LATEST JEA WATER AND JAL.

SSURE MAINS AND SERVICES SHALL PASS A JEA PRESSURE AND LEAKAGE TEST AT 150-PSI MINIMUM, OR RE, FOR TWO HOURS. IN ADDITION, WATER MAINS SHALL BE DISINFECTED AND PASS A L TESTS SHALL CONFORM TO JEA AND FDEP RULES, REGULATIONS, AND AWWA C0651. THE JEA 72-HOURS (MIN) PRIOR TO PERFORMING THESE TESTS. NO FINAL CONNECTION(S) TO EXISTING E MADE UNTIL THE NEW MAIN IS PRESSURE TESTED, DISINFECTED, AND CLEARED FOR SERVICE.

RECLAIMED WATER FOR IRRIGATION MUST HAVE A JEA APPROVED BACKFLOW PREVENTER INSTALLED ICE PRIOR TO THE INSTALLATION OF A JEA RECLAIMED WATER METER. THE INSTALLATION OF A BE IN ACCORDANCE WITH THE JEA RULES AND REGULATIONS FOR WATER, SEWER AND RECLAIMED CROSS CONNECTION CONTROL POLICY.

RECLAIMED WATER , A JEA APPROVED RECLAIMED WATER SIGNAGE PLAN SHALL BE IMPLEMENTED THE RECLAIMED WATER METERS.

ALL BE IN ACCORDANCE WITH JEA CROSS CONNECTION PROGRAM. BACKFLOW PREVENTERS MUST BE Y A CERTIFIED TESTER AND ANNUALLY THEREAFTER. JEA CONTACT: PERMITTING (904) 665-7988.

RE LINES OR COMBINATION FIRE/POTABLE MAINS SHALL HAVE FREEZE PROTECTION.

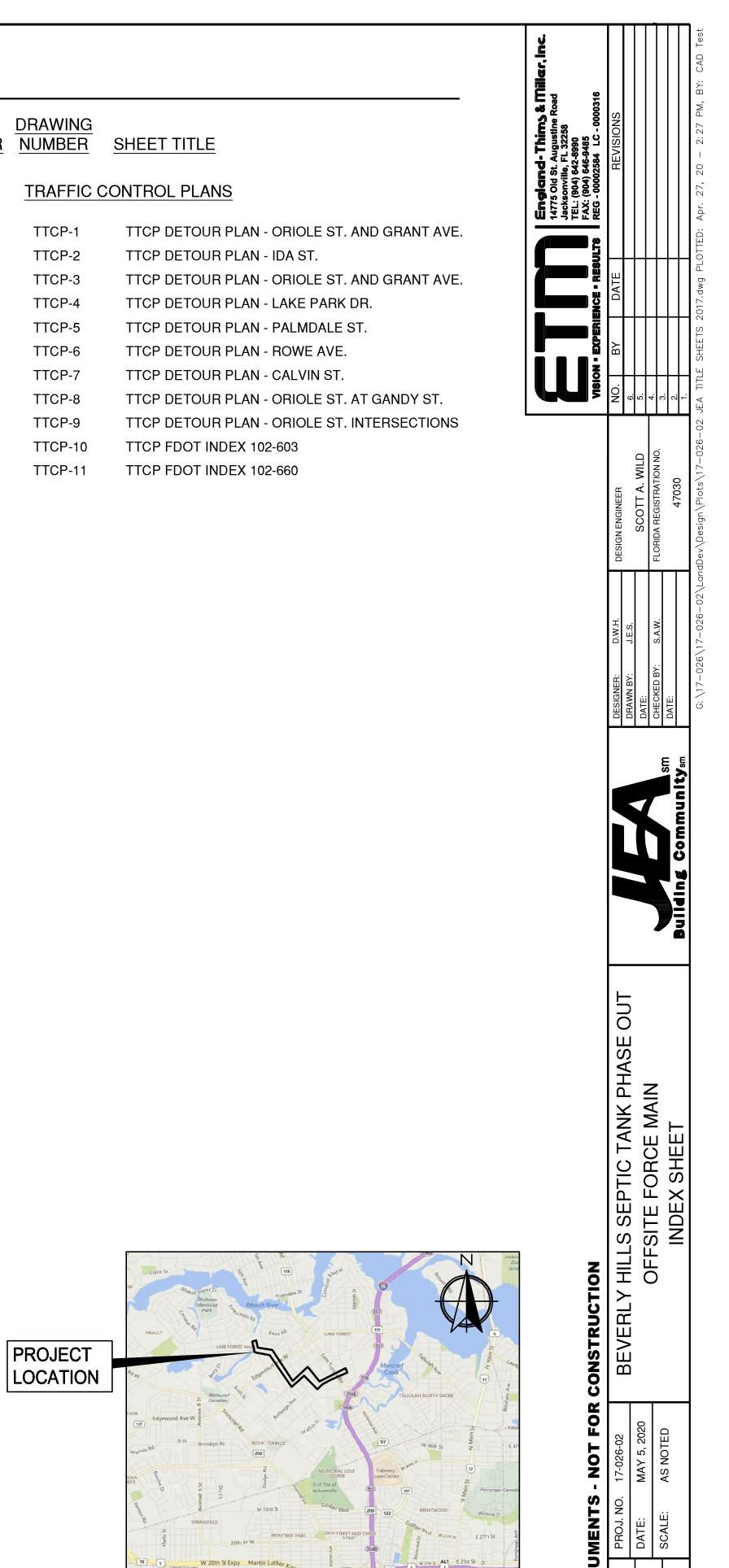
<u>SHEET</u> <u>NUMBER</u>	DRAWING NUMBER	SHEET TITLE	<u>SHEET</u> <u>NUMBER</u>	DRAWING NUMBER	SHEET TITLE	<u>SHEET</u> NUMBEF	<u>DR</u> <u>NU</u>
1	-	COVER SHEET					
2	G-1	GENERAL NOTES AND LEGEND			AIN DETAILS		TF
3	G-2	INDEX SHEET	34	W-STD-1	WATER MAIN DETAILS	59	т
4	G-3	KEY SHEET	35	W-STD-2	WATER MAIN DETAILS	60	Т
5	G-4	OVERALL WATER MAIN PLAN	36	W-STD-3	WATER MAIN DETAILS	61	T
6	G-5	OVERALL FORCE MAIN PLAN	37	W-STD-4	WATER MAIN DETAILS	62	Т
7	G-6	PIPE CROSSING DATA TABLE				63	Т
	WATER AN	D SEWER IMPROVEMENTS				64	T
				SANITARY	SEWER DETAILS	65	-
8	C-1	LAKE PARK COURT - PLAN & PROFILE				66	T
9	C-2	LAKE PARK DRIVE - PLAN & PROFILE	38	S-STD-1	SANITARY SEWER DETAILS	67	Т
10	C-3	PALMDALE STREET - PLAN & PROFILE	39	S-STD-2	SANITARY SEWER DETAILS	68	Т
11	C-4	PALMDALE STREET - PLAN & PROFILE	40	S-STD-3	SANITARY SEWER DETAILS	69	Т
12	C-5	ORIOLE STREET - PLAN & PROFILE					
13	C-6	ORIOLE STREET - PLAN & PROFILE					
14	C-7	ORIOLE STREET - PLAN & PROFILE		PAVING AN	ID DRAINAGE DETAILS		
15	C-8	ORIOLE STREET - PLAN & PROFILE	41	PD_STD_1	PAVING AND DRAINAGE DETAILS		
16	C-9	ORIOLE STREET - PLAN & PROFILE	42	PD-STD-1	PAVING AND DRAINAGE DETAILS		
17	C-10	ORIOLE STREET - PLAN & PROFILE	43	PD-STD-2	PAVING AND DRAINAGE DETAILS		
18	C-11	ROWE AVENUE - PLAN & PROFILE	44	PD-STD-3	PAVING AND DRAINAGE DETAILS		
19	C-12	ROWE AVENUE - PLAN & PROFILE		10-310-4	TAVING AND DITAINAGE DETAILS		
20	C-13	ROWE AVENUE - PLAN & PROFILE					
21	C-14	GRANT AVENUE - PLAN & PROFILE		STORMWA	TER POLLUTION PREVENTION PLANS		
22	C-15	GRANT AVENUE - PLAN & PROFILE					
23	C-16	GRANT AVENUE - PLAN & PROFILE	45	ESC-1	EROSION AND SEDIMENT CONTROL PLAN		
24	C-17	IDA STREET - PLAN & PROFILE	46	ESC-2	EROSION AND SEDIMENT CONTROL PLAN		
25	C-18	IDA STREET - PLAN & PROFILE	47	ESC-3	EROSION AND SEDIMENT CONTROL PLAN		
26	C-19	IDA STREET - PLAN & PROFILE	48	ESC-4	EROSION AND SEDIMENT CONTROL PLAN		
27	C-20	IDA STREET - PLAN & PROFILE	49	ESC-5	EROSION AND SEDIMENT CONTROL PLAN		
28	C-21	IDA STREET - PLAN & PROFILE	50	ESC-6	EROSION AND SEDIMENT CONTROL PLAN		
29	C-22	IDA STREET EXISTING PAVEMENT TOPO	51	ESC-7	EROSION AND SEDIMENT CONTROL PLAN		
			52	ESC-8	EROSION AND SEDIMENT CONTROL PLAN		
	DEMOLITIC	ON PLANS	53	ESC-9	EROSION AND SEDIMENT CONTROL PLAN		
20			54	ESC-10	EROSION AND SEDIMENT CONTROL PLAN		
30	D-1	DEMOLITION PLAN	55	ESC-11	EROSION AND SEDIMENT CONTROL PLAN		
31	D-2	DEMOLITION PLAN	56	ESC-12	EROSION AND SEDIMENT CONTROL DETAILS		
32	D-3	DEMOLITION PLAN	57	SWPPP-1	STORMWATER POLLUTION PREVENTION PLAN		
33	D-4	DEMOLITION PLAN	58	SWPPP-2	SWPPP CONTRACTOR CERTIFICATIONS		

30	D-1	DEMOLITION PLAN
31	D-2	DEMOLITION PLAN
32	D-3	DEMOLITION PLAN
33	D-4	DEMOLITION PLAN

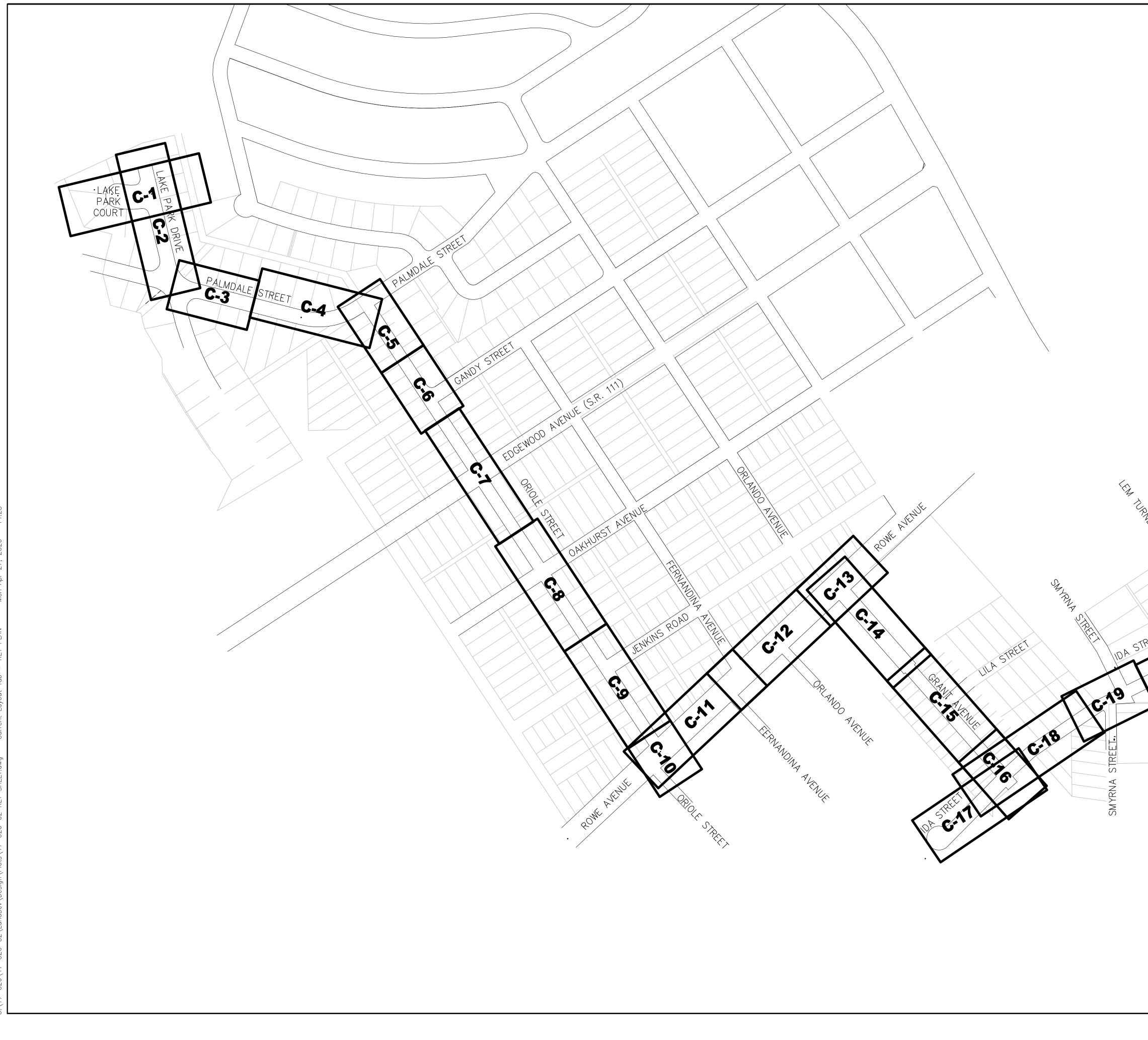
LEGEN	D:	LEGEND	(CONTINUED):	LEGENI	D (CONTINUED):	TREE L	_EGEND:	
BC	BACK OF CURVE	GYA	GUY ANCHOR	TER	COMMUNICATIONS RISER	CAM	CAMPHOR	
BFP	BACK FLOW PREVENTER	INV	INVERT	TH	TEST HOLE	CED	CEDAR	
BGV	COMMUNICATIONS UNDERGROUND VAULT	IP	IRON PIPE	ТМН	COMMUNICATIONS MANHOLE	HOL	HOLLY	
BOL	BOLLARD	IRC	IRON ROD AND CAP	TOB	TOP OF BANK	MAG	MAGNOLIA	
C&G	CONCRETE CURB AND GUTTER	L	ARC LENGTH	TPD	TELEPHONE PEDESTAL	ORMTL	ORNAMENTAL CLUSTER	
CB	CHORD BEARING	<u> </u>	LEFT	TSC	COMMUNICATIONS SERVICE CABINET	СРМ	CRAPE MYRTLE CLUSTER	
CBS	CATCH BASIN	(M)	MEASURED	UNK	UNKNOWN			
СН	CHORD DISTANCE	М.В.	MAP BOOK	WLP	WOOD LIGHT POLE			
CI	CURB INLET	MES	CONCRETE MITERED END SECTION	WM	WATER METER			Γ
CLF	CHAIN LINK FENCE	MH	MANHOLE	WPF	WOOD PRIVACY FENCE			
CMP	CORRUGATED METAL PIPE	MUP	METAL UTILITY POLE	WUP	WOOD UTILITY POLE			! <i>'</i>
CONC	CONCRETE	N&D	NAIL AND DISK	WV	WATER VALVE			
CPP	CORRUGATED PLASTIC PIPE		OFFICIAL RECORDS BOOK		UNDERGROUND TELECOMMUNICATION LINE			
CUP	CONCRETE UTILITY POLE		OFFICIAL RECORDS VOLUME		UNDERGROUND GAS LINE			
DLP	DELINEATOR POST	Р.В.	PLAT BOOK		UNDERGROUND FIBER OPTIC LINE			
DMH	DRAINAGE MANHOLE	PG.	PAGE	- <i>OH</i> -	OVERHEAD UTILITIES			
ECMP	ELLIPTICAL CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE PIPE		UNDERGROUND WATER LINE			
ELV	ELEVATION	R	RADIUS		UNDERGROUND SANITARY SEWER LINE (GRAVITY)			
EP	EDGE OF PAVEMENT	RCP	REINFORCED CONCRETE PIPE	-FM-	UNDERGROUND SANITARY SEWER LINE (FORCE MAIN	1)		
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	RP	REFLECTOR POST	Λ	CENTRAL ANGLE	•/		
EW	CONCRETE ENDWALL	RT	RIGHT	4	BENCHMARK			
EWB	ELECTRIC WIRE PULL BOX	R/W	RIGHT OF WAY	Å	TEST HOLE LOCATION			
FH	FIRE HYDRANT	SMH	SANITARY MANHOLE	8	BLOCK NUMBER			
FNC	FENCE	SPWY	CONCRETE SPILLWAY		SIGN			
GLV	GALVANIZED	STA.	STATION	e				

INDEX OF DRAWINGS:

SURVEY LEGEND

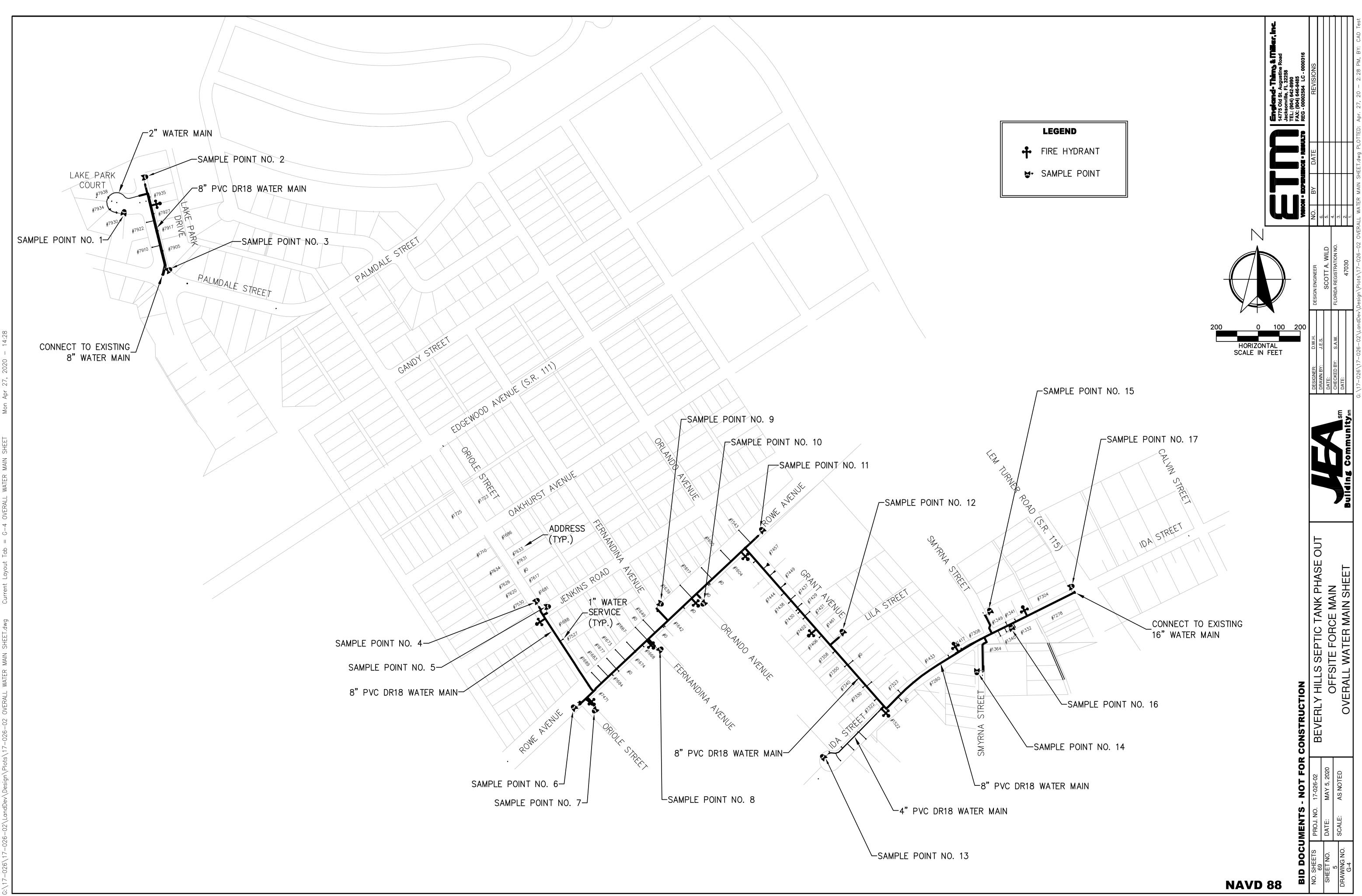


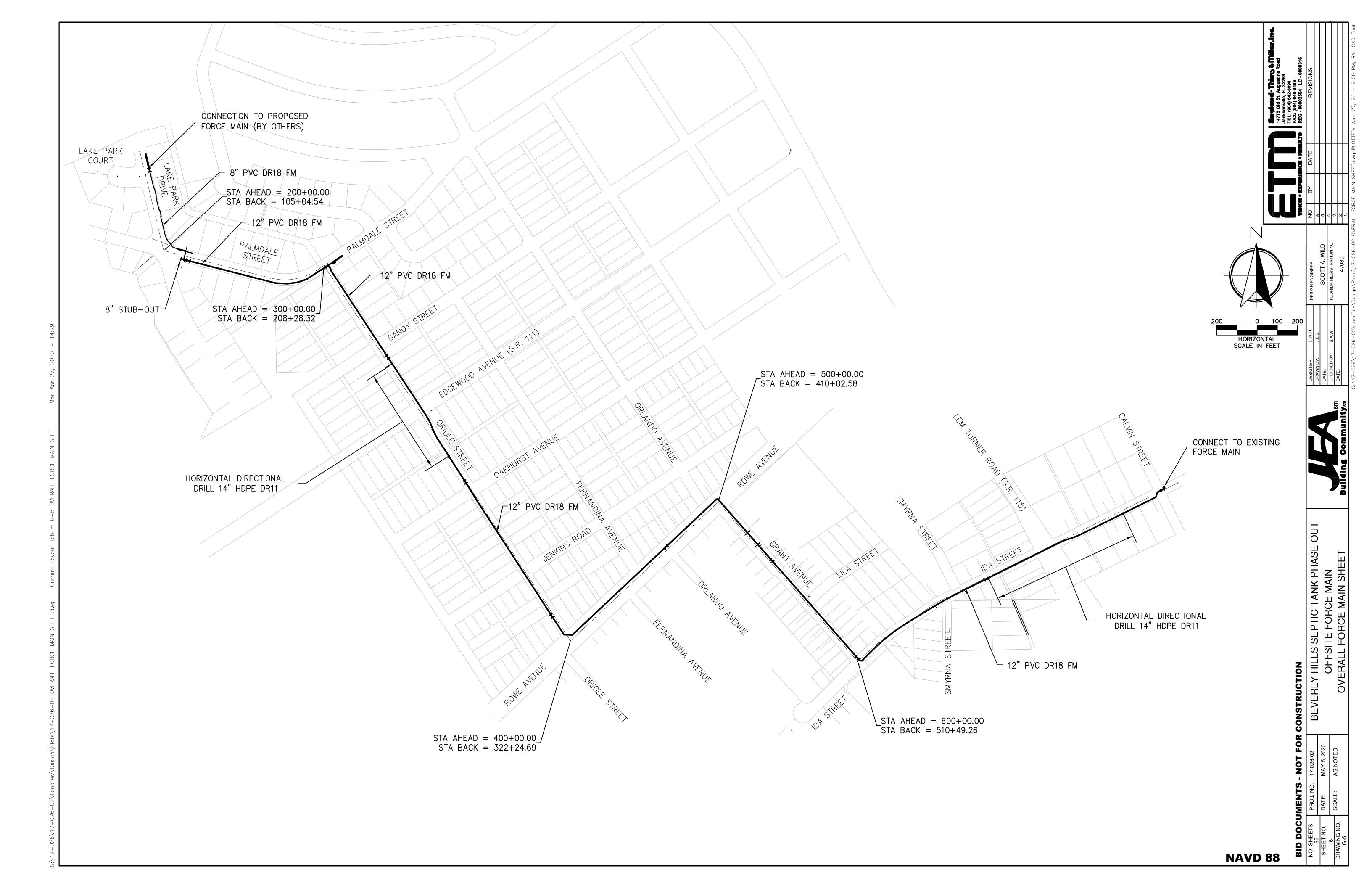
VICINITY MAP NOT TO SCALE



:\17-026\17-026-02\LandDev\Design\Plots\17-026-02 KEY SHEET.dwg Current Layout Tab = KEY PLAN Mon Apr 27, 2020 - 1

	APPROVE FILES OF CONSTRAINED AND A DESCRIPTION OF CONSTRAINED	DESIGNER: D.W.H. DESIGN ENGINEER NO. BY DATE	DRAWN BY: J.E.S. SCOTT A. WILD SCOTT A. WILD	CHECKED BY: S.A.W. FLORIDA REGISTRATION NO. 4. DATE: 47030 2.	
THE C-20	CONSTRUCTION	REVERI Y HILLS SEPTIC TANK PHASE OUT			
	BID DOCUMENTS - NOT FOR CO	02	SHEET NO. DATE: MAY 5, 2020	4 SCALE: AS NOTED	G-3





	BEVERLY H	ROSSING SYNOPSIS HILLS OFFSITE FORC 026-02\LandDev\Design\Da		PE CROSSING DA	TA TABLE.xlsx		RW FM SD SS	/ - POTABLE / - REUSE W/ - FORCE M/ - STORM DI - SANITARY - FINISH GF	ATI AIN RA ′ S
Plan DWG Number	Crossing No.	Road	Station	Top Pipe /Bottom Pipe	FG Elev at Crossing	Top EL Top pipe	Top Pipe Size-Type	Bott EL Top pipe	E
C-2	1	LAKE PARK DR.	100+85	W/SS	6.95	3.95	8" PVC	3.19	+
<u> </u>	2	LAKE PARK DR.	104+80.28	SD/W	5.27	3.69	36" X 58" ECMP	0.19	+
<u> </u>	3	LAKE PARK DR.	104+75.19	SD/FM	4.72	3.53	36" X 58" ECMP	0.03	+
<u> </u>	4	PALMDALE ST.	201+07	W/FM	5.88	2.74	8" PVC	1.99	+
<u> </u>	5	PALMDALE ST.	201+07	FM/SS	6.11	2.28	8" PVC	1.53	+
<u> </u>	6	PALMDALE ST.	207+77.72	FM/SS	9.63	6.05	12" PVC	4.95	+
C-5	7	PALMDALE ST.	208+15.87	SD/FM	10.03	8.94	34" X 53" ERCP	5.27	
<u> </u>	8	ORIOLE ST.	300+23.23	SD/FM	10.46	6.67	15" RCP	6.29	
C-5	9	ORIOLE ST.	300+25.98	SS/FM	10.07	4.68	8" PVC	4.59	
<u> </u>	10	ORIOLE ST.	303+41.52	FM/FM	19.13	15.29	4" PVC	14.89	+
 C-6	11	ORIOLE ST.	304+58.19	SD/FM	21.26	16.53	24" X 38" RCP	13.91	
<u> </u>	12	ORIOLE ST.	305+74.87	SD/FM	23.94	21.56	18" RCP	19.20	+
<u> </u>	12	ORIOLE ST.	308+16.36	SS/FM	31.56	21.68	24" RCP	18.66	+
<u> </u>	10	ORIOLE ST.	308+83.07	W/FM	31.99	28.99	8" PVC	28.23	+
<u> </u>	15	ORIOLE ST.	309+23.65	FM/FM	32.29	28.91	4" PVC	28.51	
<u> </u>	16	ORIOLE ST.	313+09.34	SD/FM	29.73	28.25	15" RCP	26.62	
C-8	17	ORIOLE ST.	313+19.08	FM/FM	29.92	26.08	4" PVC	25.68	
C-8	18	ORIOLE ST.	313+52.93	SD/W	29.84	28.53	19" X 30" ERCP	26.41	
C-9	19	ORIOLE ST.	318+25	SD/W	30.05	28.98	15" RCP	27.35	
C-10	20	ORIOLE ST.	321+75.50	W/FM	30.11	27.11	8" PVC	26.35	
C-10	21	ORIOLE ST.	321+79.35	W/FM	30.10	27.10	2" GSP	26.89	
C-12	22	ROWE AVE.	404+74.87	W/FM	31.07	28.07	8" PVC	27.31	
C-12	23	ROWE AVE.	404+80	W/FM	31.10	29.06	2" GSP	28.85	-
C-14	24	GRANT AVE.	500+17.66	W/FM	26.20	23.99	2" GSP	23.78	
C-14	25	GRANT AVE.	500+25.30	SD/FM	26.12	25.78	15" CMP	24.15	
C-14	26	GRANT AVE.	500+33.69	W/FM	26.08	23.08	8'' PVC	22.32	
C-15	27	GRANT AVE.	506+48.59	SD/W	23.30	22.41	12" RCP	21.07	
C-15	28	GRANT AVE.	506+48.60	W/FM	23.68	20.00	8'' PVC	19.24	
C-15	29	GRANT AVE.	506+51	W/FM	23.66	21.96	2" GSP	21.75	
C-16	30	GRANT AVE.	510+31.39	SD/W	22.44	21.07	15'' CMP	19.82	
C-16	31	GRANT AVE.	510+30.78	SD/FM	22.16	20.77	15'' CMP	19.52	
C-16	32	GRANT AVE.	600+10	W/FM	22.36	18.31	8'' PVC	17.55	
C-18	33	IDA ST.	601+74.31	SD/W	20.83	19.26	15'' CMP	18.01	
C-18	34	IDA ST.	601+79.27	SD/FM	20.45	19.21	15'' CMP	17.96	
C-19	35	IDA ST.	605+48.26	W/FM	21.94	18.94	8" PVC	18.18	
C-19	36	IDA ST.	606+24.09	SD/W	22.24	18.75	15" RCP	17.12	
C-19	37	IDA ST.	606+25.19	SD/W	21.11	19.04	15" RCP	17.41	
C-19	38	IDA ST.	608+44.30	SD/FM	21.24	19.01	15" RCP	17.38	
C-20	39	IDA ST.	608+44.30	SD/FM	17.33	14.88	15" RCP	13.25	
C-20	40	IDA ST.	610+81.53	W/FM	17.33	14.78	15" RCP	13.15	
C-20	41	IDA ST.	611+87.60	W/FM	18.58	15.60	16" CI	14.27	
C-20	42	IDA ST.	612+27.64	FM/FM	18.98	15.98	8'' PVC	15.22	
C-20	43	IDA ST.	617+02.90	SS/FM	19.44	16.92	15" RCP	15.29	
C-21	44	IDA ST.	617+03	W/FM	26.93	23.02	6" PVC	22.45	_
C-21	45	IDA ST.	617+05	FM/SS	26.89	21.40	12" PVC	20.30	_
C-21	46	IDA ST.	617+24	FM/SS	27.25	23.93	12" PVC	22.83	_
C-19	47	IDA ST.	606+13	SD/W	21.26	19.01	15" RCP	17.38	+
									\mp
									+
									+
									+
									+

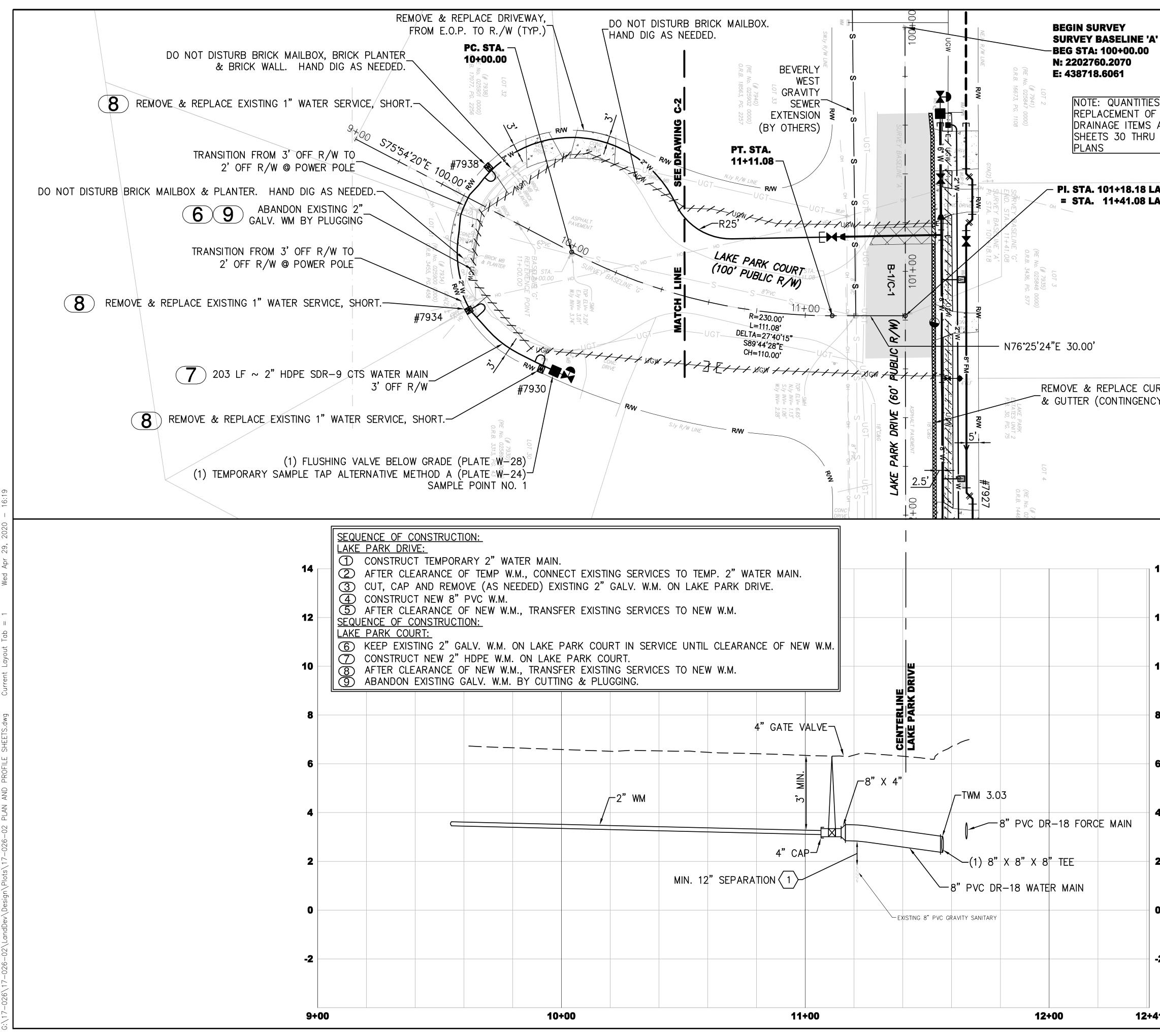
VATER		
TER		
IN		
SEWER		
ADE		
Top EL	Bott pipe	Clearance
Bottom Pipe	Size-Type	Btwn Pipes
1.97	8'' PVC	1.22
-0.81	8'' PVC	1.00
-0.97	8" PVC	1.00
0.99	8" PVC	1.00
-1.02	8" PVC	2.54
3.95	8" PVC	1.00
3.47	12" PVC	1.80
3.47	12'' PVC	2.82
3.59	12" PVC	1.00
12.60	12" PVC	2.29
12.91	12" PVC	1.00
18.20	12'' PVC	1.00
12.20	14" HDPE	6.46
12.20	14" HDPE	16.00
12.46	14" HDPE	16.05
24.21	12'' PVC	2.41
24.21	12" PVC	1.47
24.21	12" PVC	2.20
26.35	8" PVC	1.00
25.11	12" PVC	1.24
25.11	12" PVC	1.78
25.71	12" PVC	1.60
25.71	12" PVC	3.14
20.83	12" PVC	2.95
20.83	12" PVC	3.32
20.83	12" PVC	1.49
20.00 18.07	8" PVC	1.07
18.07	12" PVC 12" PVC	1.17
18.45	8" PVC	3.68 1.37
16.42	12" PVC	3.10
16.42	12" PVC	1.13
16.28	8" PVC	1.73
16.45	12" PVC	1.51
16.79	12" PVC	1.39
15.96	8" PVC	1.16
15.55	8" PVC	1.86
15.72	12" PVC	1.66
12.14	8" PVC	1.11
9.46	14" HDPE	3.69
-1.42	14" HDPE	15.69
-1.28	14" HDPE	16.50
-0.52	14" HDPE	15.81
21.40	12" PVC	1.05
13.46	8" PVC	6.84
13.25	8" PVC	9.58
15.55	8" PVC	1.83

England-Thims & Millar, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 642-8990 FAX: (904) 646-9485 REG - 00002584 LC - 0000316	REVISIONS		
	DATE		
	ВΥ		
	NO.	6.	Ľ

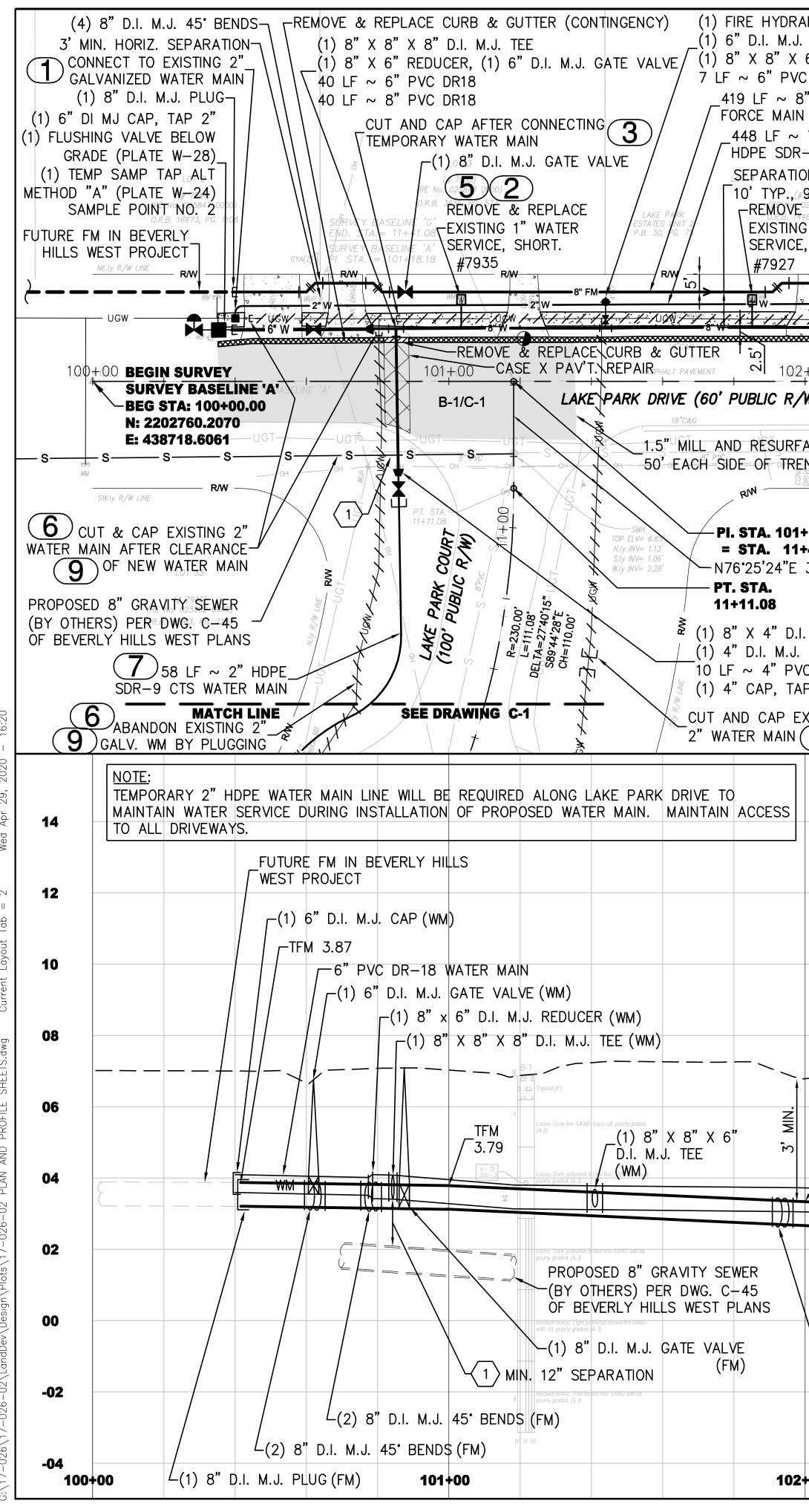
DATE: SCOTT A. WILD 5. CHECKED BY: S.A.W. FLORIDA REGISTRATION NO. 4. DATE: 47030 2.					
ED BY: S.A.W.	5.	4.	З.	~	i
DATE: CHECKED BY: S.A.W. DATE:	SCOTT A. WILD	ELOPIDA DECICTDATION NO		00027	4/030
	DATE:		CULCARED DI . O.A.W.	DATE:	



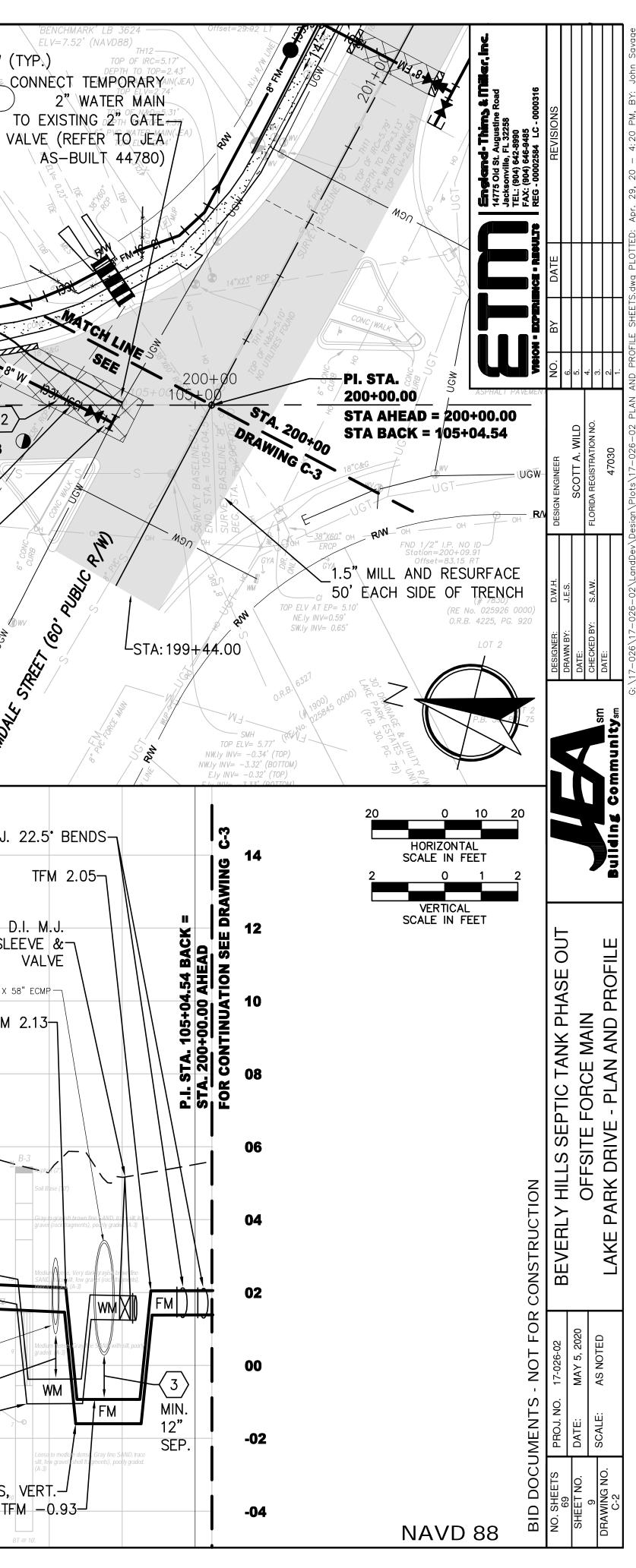
NOT FOR CONSTRUCTION	BEVERLY HILLS SEPTIC TANK PHASE OUT				
	17-026-02	MAY 5, 2020		AS NULED	
MENTS	PROJ. NO.	DATE:		SCALE:	
BID DOCUMENTS -	NO. SHEETS 69	SHEET NO.	7	DRAWING NO.	G-6

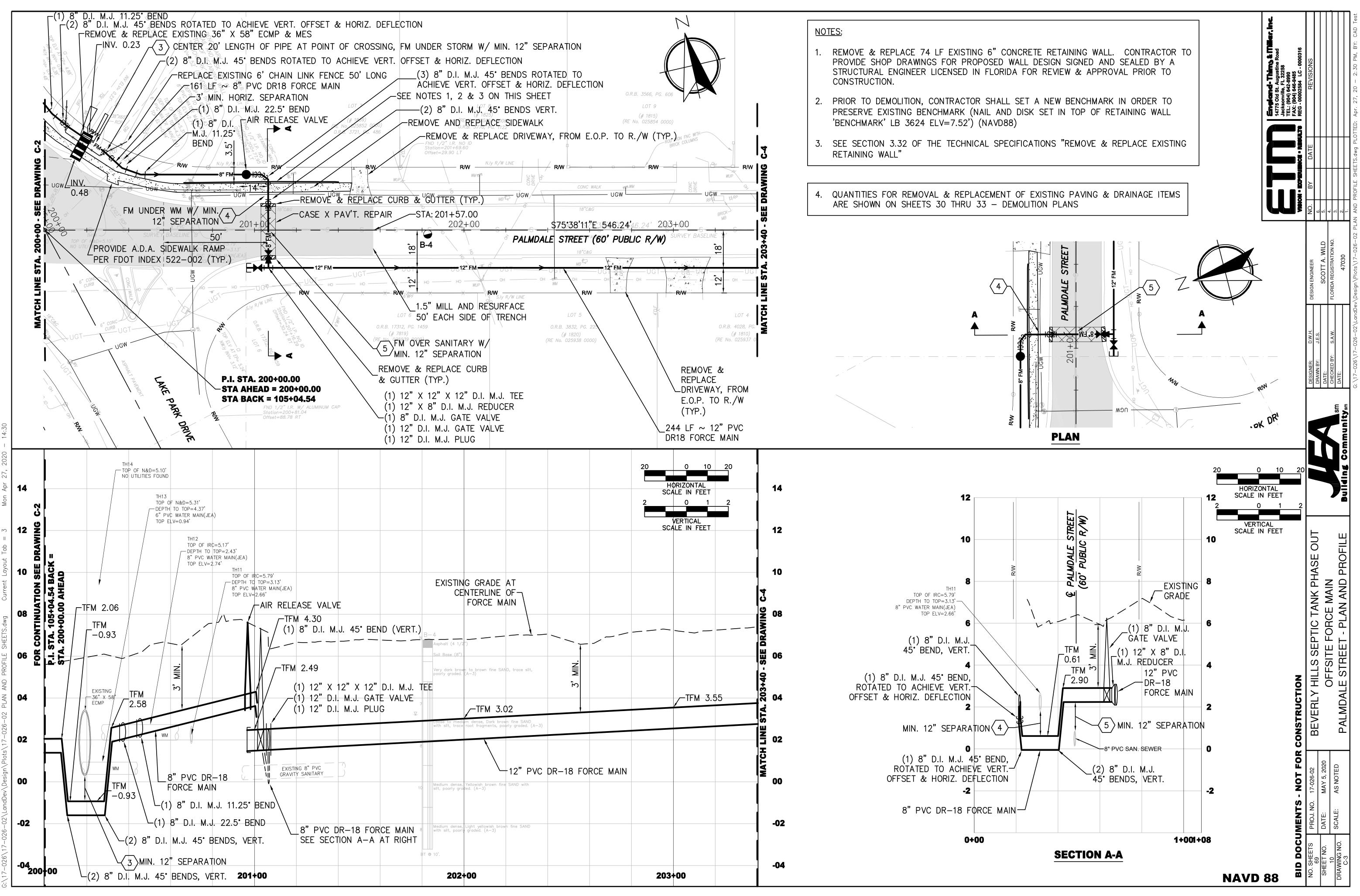


S FOR REMOVAL & EXISTING PAVING & ARE SHOWN ON J 33 – DEMOLITION		England-Thims & Miller, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258	Vision - ExpensionCE - Reoulds Red - 1000 584 LC - 0000316	NO. BY DATE REVISIONS 6. 5. 1 1		PLAN AND PROFILE SHEETS.dwg PLOTTED: Apr. 29, 20 – 4:19 PM, BY: John Savage
IRB CY)		HORIZONTAL SCALE IN FEET	20	DESIGNER: D.W.H. DESIGN ENGINEER DRAWN BY: J.E.S. SCOTT A. WILD	(ED BY: S.A.W. FLORID	G: \17-026\17-026-02\LandDev\Design\Plots\17-026-02
12 10 8 6 4			FOR CONSTRUCTION	BEVERLY HILLS SEPTIC TANK PHASE OUT	OFFSITE FORCE MAIN LAKE PARK COURT - PLAN AND PROFILE	
2 0 -2			BID DOCUMENTS - NOT FOR C	NO. SHEETS PROJ. NO. 17-026-02 69 SHFFT NO DATE: MAY 5. 2020	SCALE:	
41		NAVD 88		~ 0.	D	

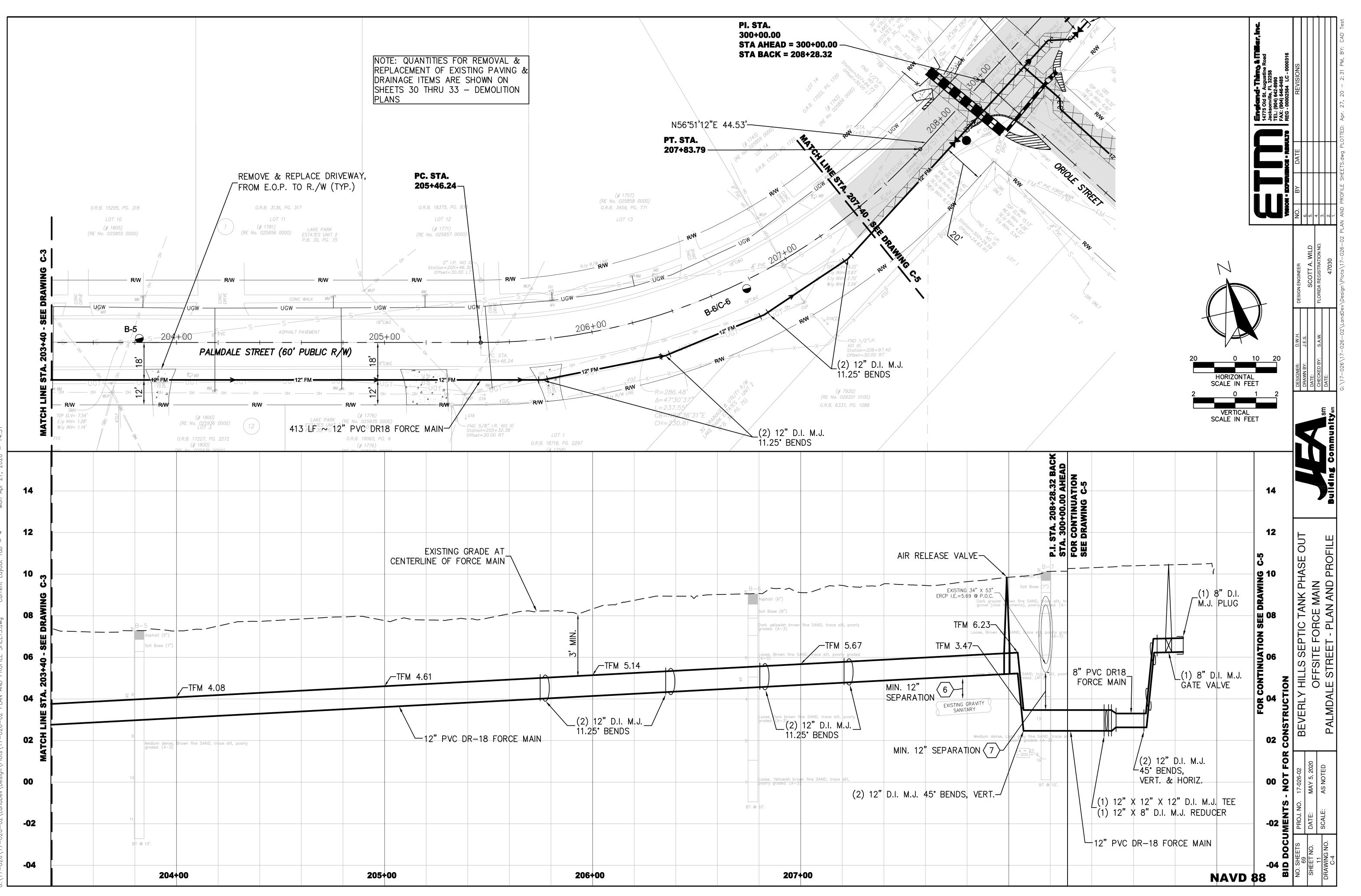


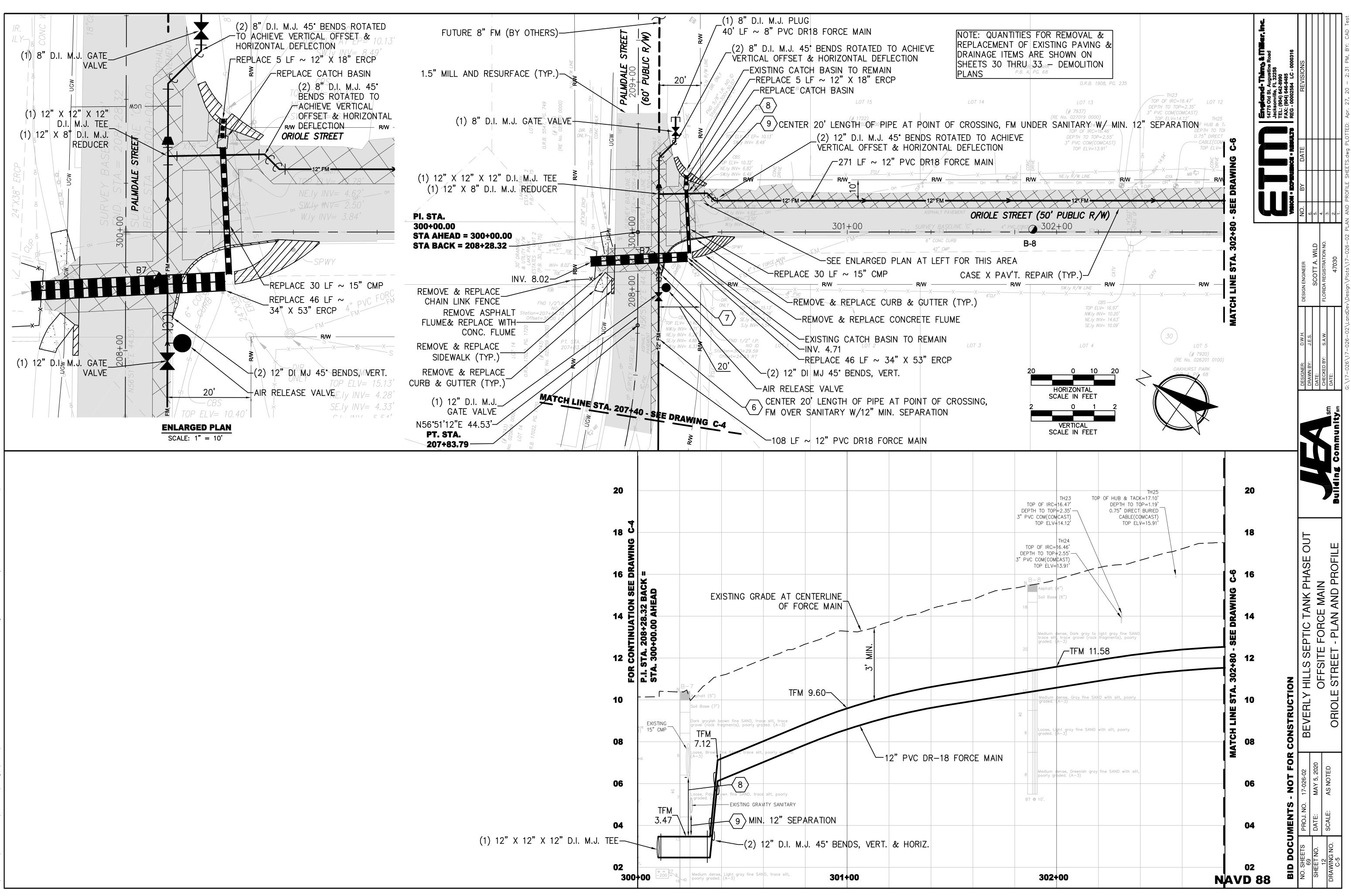
				in in the
6" D.I. M.J. TEE C DR18 TEMP. 2" -9 CTS WM ON VARIES: 9:5' MIN. 25' $40'$ REPLACE 3' MIN. HORIZ -(4) 8" D.I. 25' $40'$ REPLACE 5' 1" WATER 2'' GALVANIZED	2"W 2"W 2"W 2"W 3"W 8"W B-2) 8" D.I. M.J. 45' BEN REMOVE & REPLACE 4' SIDEWALK (TYP.) REMOVE & REPLACE 1" WATER SERVICES LOT 6 (1) TEMP. 3 (P) SAMPLE F (1) E (1) E (1	EXISTING EXISTING E (2) EXISTING S, SHORT. 2 5 SAMPLE TAP LATE W-25) POINT NO. 3 B" D.I. M.J. SWIJ N= 0.64 SWIJ N= 0.64 FW B"FM 2" W Comparison STOP EL ATE SWIJ N= 0.64 SWIJ N= 0.64
	CONTINGENCY)	/ st	A:103+90.00	SURVEY BASELINE 'A'
ACE UGT S UGT S NCH OH OH OH OH OH OH SW.Iy R/W LII	-UGT	UGTUGT онон ххон Rww#7910	- R/W	В-3 S S S PVC ^S (H 2-1) OH 2-1) OH 2-1) OH 2-1) OH 2-1) OH 2-1) OH 2-1) OH 2-1)
+18.18 LAKE PARK DRIVE	DVE & REPLACE		FND 1/2" I.P. NO ID Station=103+88.24 Offset=30.00 RT (1) 8" D.I. M.J	
+41.08 LAKE PARK COURT SERV 30.00 [™] (7922) (125508 0000)	$\frac{1}{2}$ $\frac{1}{5}$ $\frac{2}{5}$	RK (RE No. 023897 MOVE & REPLACE	22.5° BEND	
4 404 LF ~ 8" PVC DR	P.B. 30, P	XISTING 1" WATER (SERVICE, LONG.	25 //	TOP ELV AT P= 5.06'
. M.J. REDUCER GATE VALVE C DR18 PPED 2" XISTING 3 6 NOTE: QUANTITI REMOVAL & REPLACEMENT (EXISTING PAVING DRAINAGE ITEMS SHOWN ON SHE THRU 33 – DEI PLANS	ES FOR DF G & S ARE ETS 30	REPLACE CURB & GU	PAV'T. REPAIR BENDS, VERT. EEVE & VALVE	1/2" I.P. NO ID on=104+23.42 et=88.94 RT
 3 CUT, CAP AND REMOVE (4 CONSTRUCT NEW 8" PVC 5 AFTER CLEARANCE OF NE SEQUENCE OF CONSTRUCTION: LAKE PARK COURT: 6 KEEP EXISTING 2" GALV. 7 CONSTRUCT NEW 2" HDPI 8 AFTER CLEARANCE OF NE 	MP W.M., CONNECT EXISTI AS NEEDED) EXISTING 2"	GALV. W.M. ON LAKE NG SERVICES TO NEV RT IN SERVICE UNTIL URT. NG SERVICES TO NEV	PARK DRIVE. W.M. CLEARANCE OF NEW	(2) 8" D.I. M.J. (1) 8" X 8" (1) 8" X 8" TAPPING SL W.M. EXISTING 36" X
EXISTING GRADE AT	TH10 TOP OF N&D=	6.62'		
	DEPTH TO TO 2" GALVANIZE WATER MAIN(TOP ELV=5.45 B-2	D (EA) 5'	(2) 8" D.I. M	.J. 11.25" BENDS
	5 Loose, L poorly g	ight brownish gray fine SAND, trace sill, adedl (A-3)	(1) 8" D.I. M.J. 2	2.5° BEND-
8" PVC DR-18 WATE				
	TFM 2.88	dense, Dark grayish brown fine SAND with rool fragments, poorly graded. (A-3)		TFM 2.42
	FM ())		WM	
-(2) 8" D.I. (FM) -8" PVC DR-18 FORC		medium dense, Brown fine SANN with y graded. (A-3) -(2) 8" D.I. M.J. 45	FM D.I. M.J. 45' BENDS	EXISTING 19" X 38" ECMP
(2) 8" D.I. M.J. 45' BENDS (FM)		(FM)	• BENDS MIN. 1 (4) 8" D.I. M.J. 45•	2" SEPARATION (2) BENDS VERT.
	11 Medium graded. BT @ 10'.	densé, Gray fine SAND, trace silt, pobrty (A-3)	(4) 8"D.I. M.J. 45° BENDS, T
+00	103+00		104·	+00



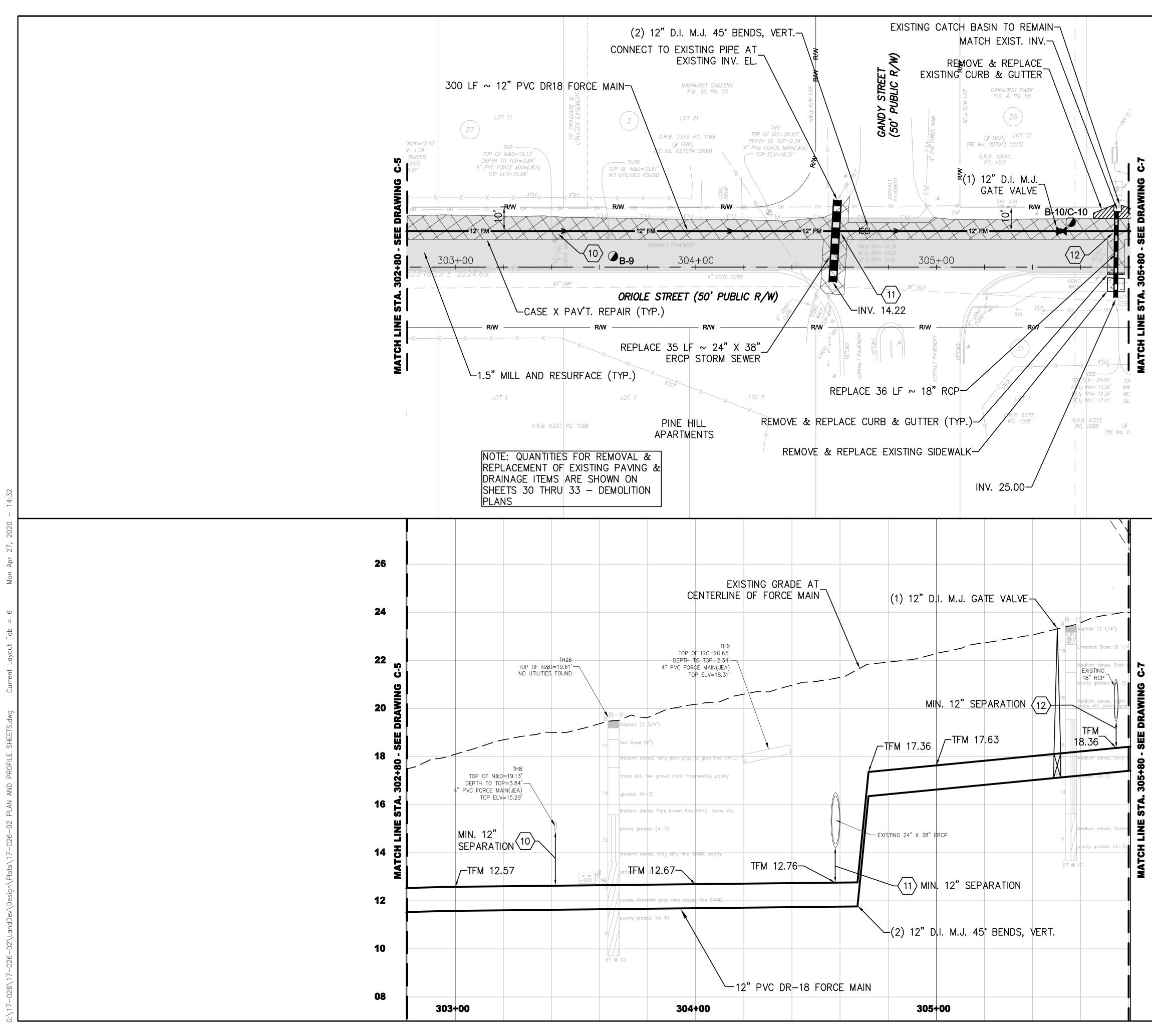


M



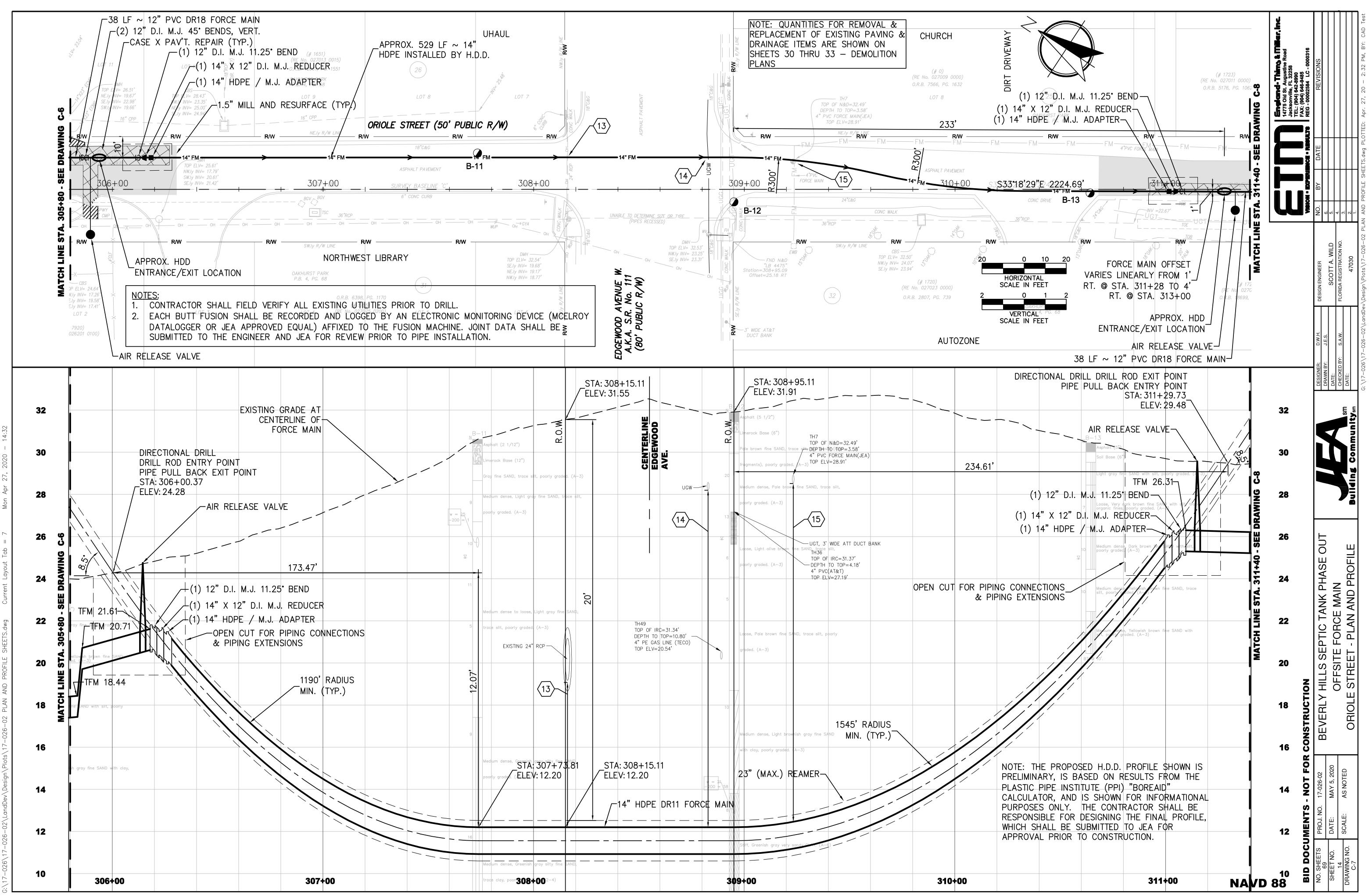


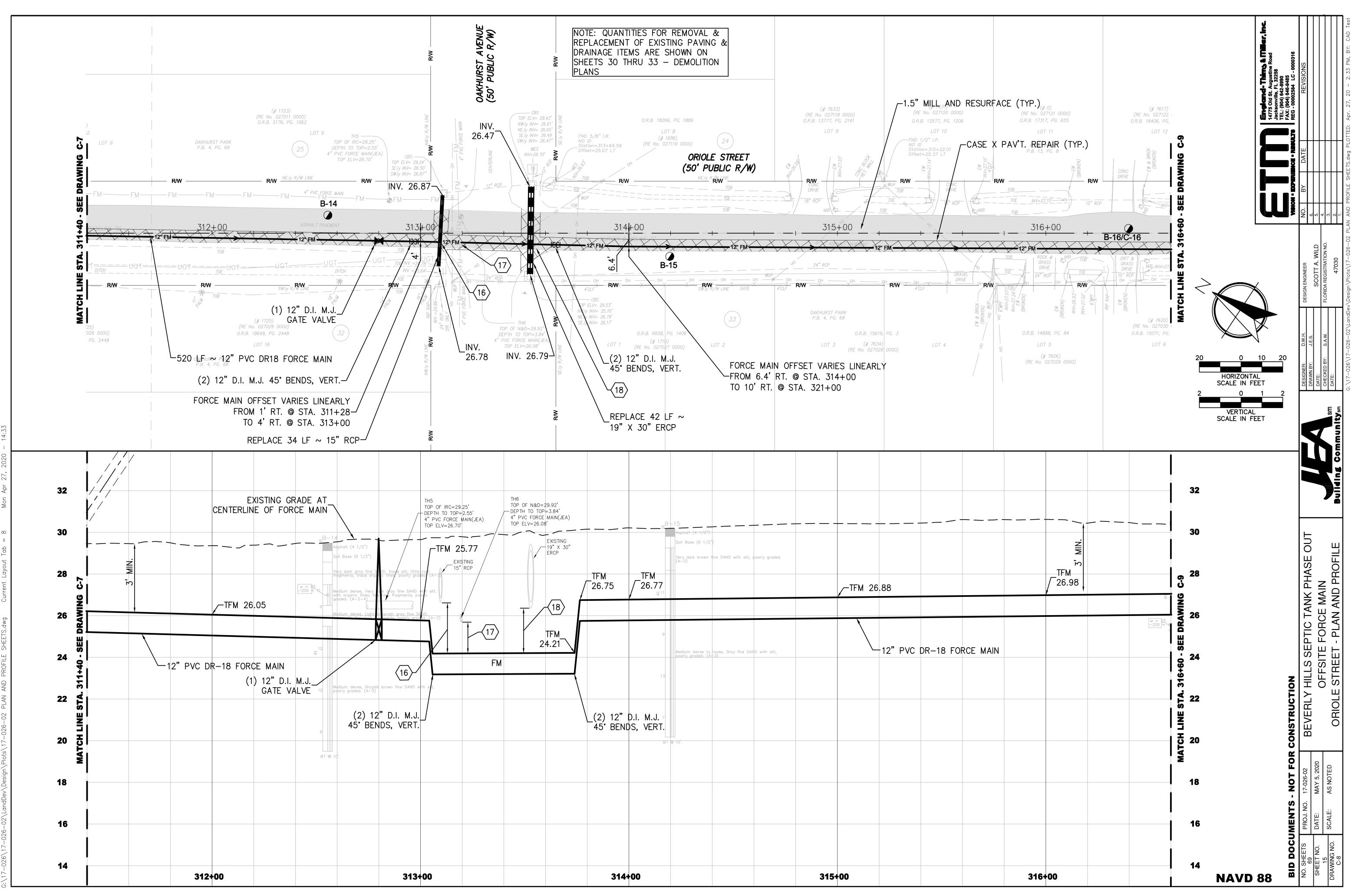


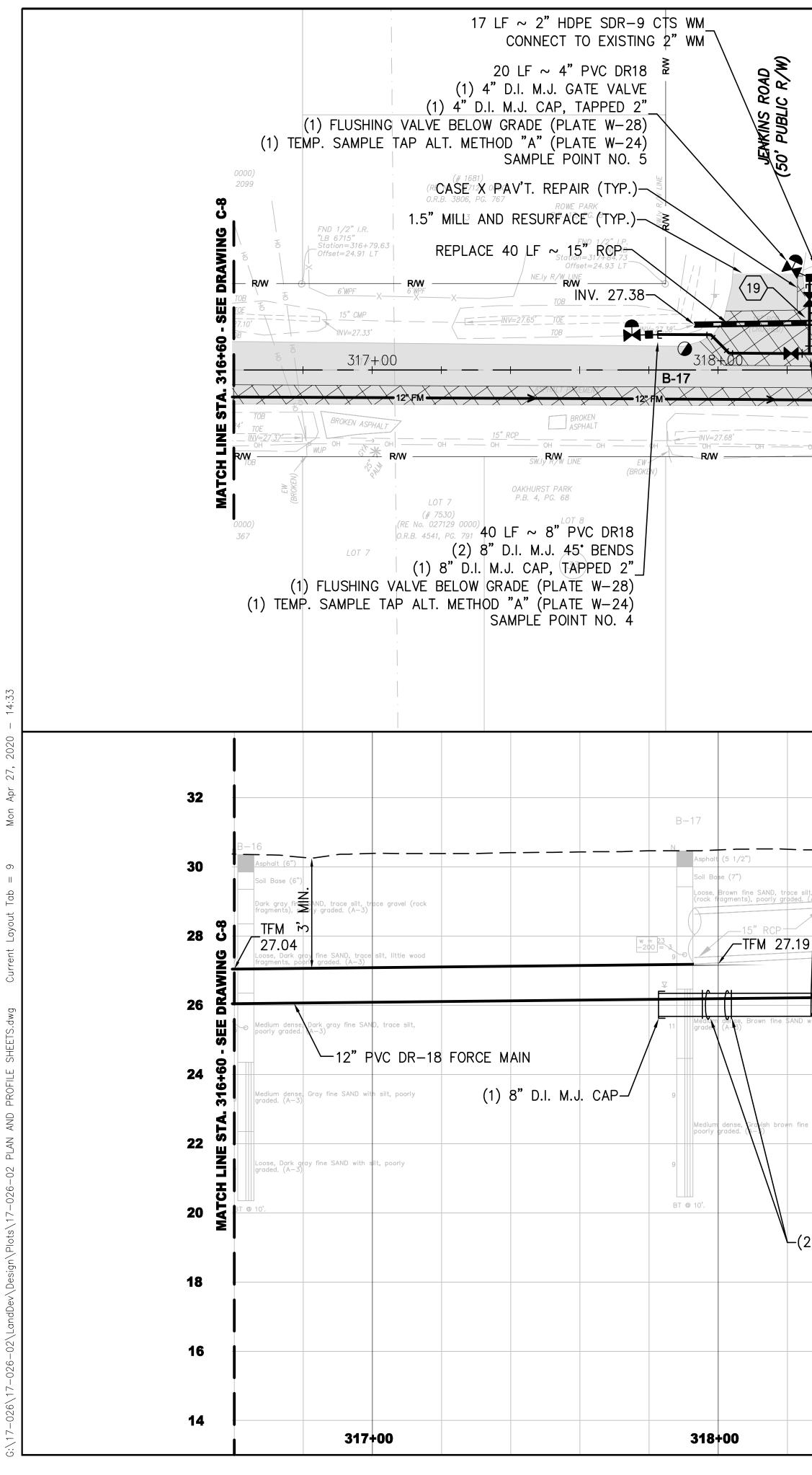


G: \17-026\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AND PROFILE SHEETS.dwg PLOTTED: Apr. 27, 20 - 2:32 PM, BY: CAD Test

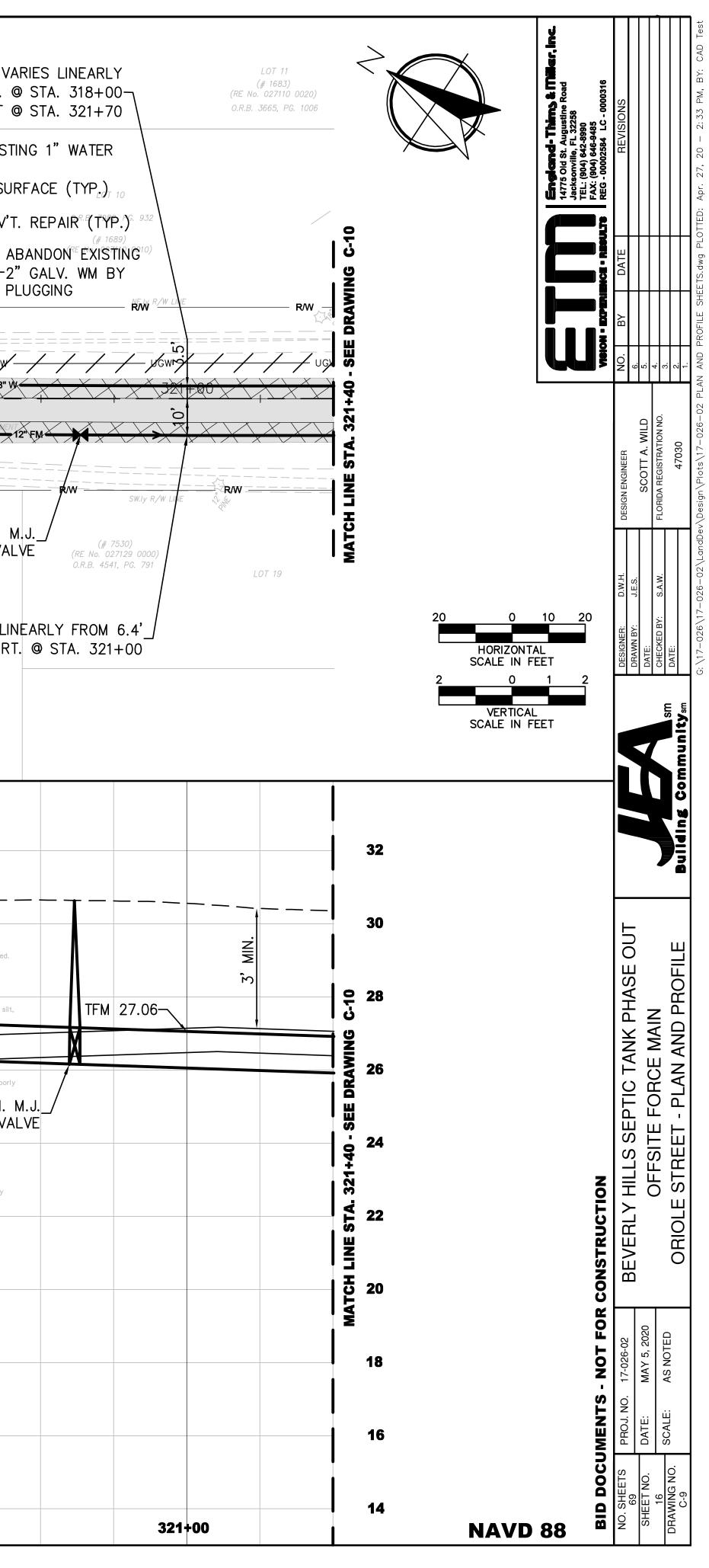
				<u></u>	
England-Thins & Miler, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 642-8990	Te FAX: (904) 646-9485 Te REG - 00002584 LC - 0000316	REVISIONS			
	NCE - REBULTS	DATE			
	VISION - EXPERII	NO. BY	, 'n.	4. 3.	2. 1.
		DESIGN ENGINEER	SCOTT A. WILD	FLORIDA REGISTRATION NO.	47030
			DATE: J.E.S. DATE:	CHECKED BY: S.A.W.	ALE:
HORIZONTAL SCALE IN FEET 2 0 1 2 VERTICAL SCALE IN FEET				sm (
26					Building Communitysm
24			-		Ш
22		REVERI Y HILLS SEPTIC TANK PHASE OUT			ORIOLE STREET - PLAN AND PROFILE
20		TIC TAN			PLAN AI
18	-	I I S SFF			TREET -
16	FOR CONSTRUCTION	/FRI Y HI		5	RIOLE S
14	R CONST	RF/		, 	0
12	NOT	17-026-02	MAY 5, 2020	AS NOTED	
10	BID DOCUMENTS -	PROJ. NO.	DATE:	- SCALE:	
08 NAVD 88	BID DOC	NO. SHEETS	SHEET NO.	13 DRAMING NO	C-6

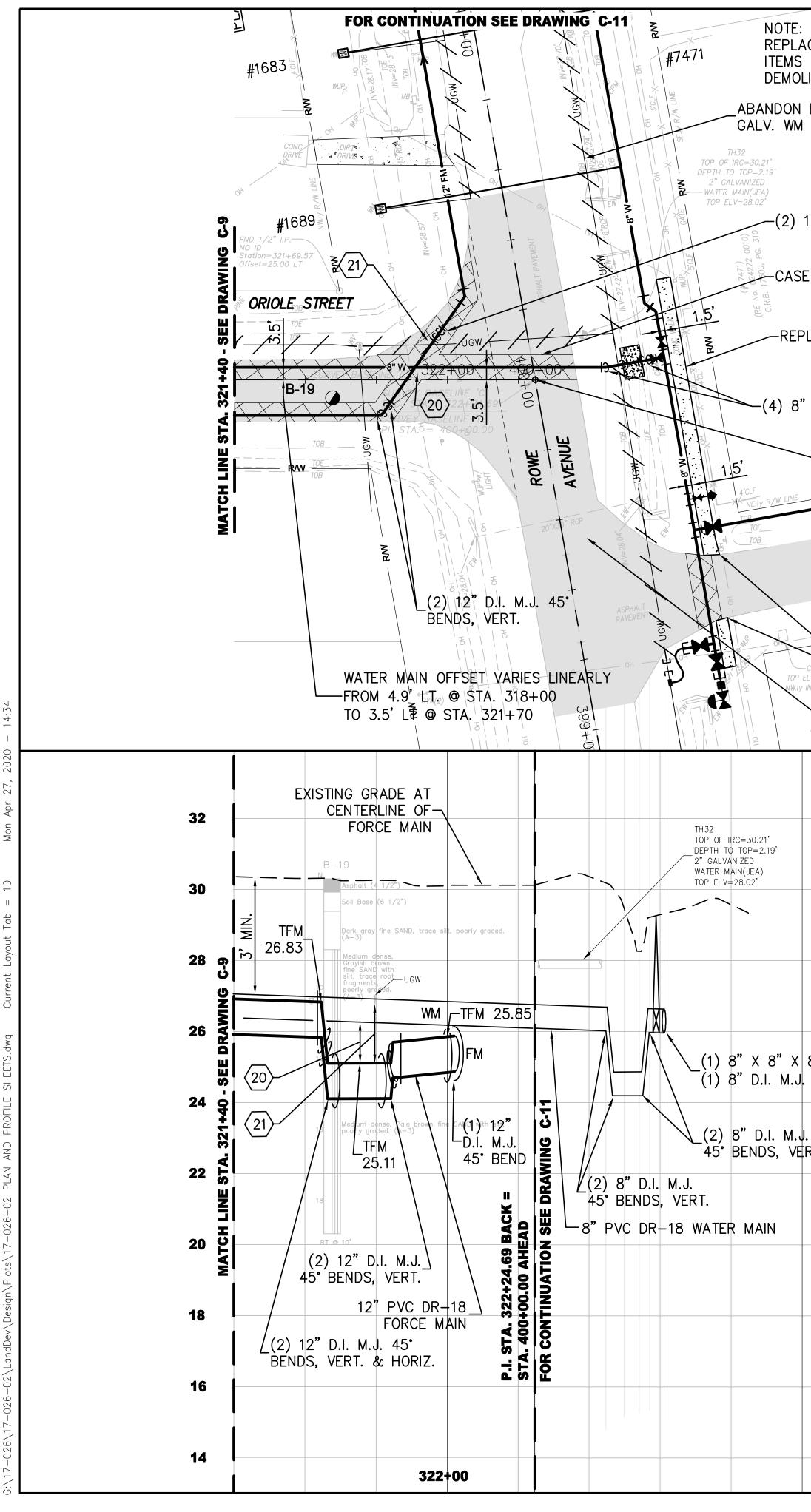






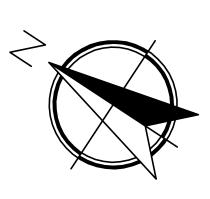
_314 LF ~ 8" PVC _ABANDON EXISTING 2" DR18 WATER MAIN GALV. WM BY PLUGGING WATER MAIN OFFSET VARIES LINEARLY FROM 4.9' LT. @ STA. 318+00-(1) FIRE HYDRANT (PLATE W-13) TO 3.5' LT @ STA. 321+70 ŠŤA. 318+45.00 (2) 6" D.I. M.J. 45' BENDS INV. REMOVE & REPLACE EXISTING 1" WATER 27.58 / (1) 6" D.J. M.J. GATE VALVE SERVICE, SHORT. (#) (RE No. 0. (1)^{*FE*} 8^{*P*} ⁰ X¹⁰ 8^{*P*} ⁰ X¹⁰ 8^{*P*} ⁰ X¹⁰ 8^{*P*} ⁰ X¹⁰ 8^{*P*} ¹⁰ 1. M.J., TEE -1.5" MILL AND RESURFACE (TYP.), 18 LF \sim 6" PVC DR18 ₹ S O.R.B. 3108, PG. 125 -CASEAX PAV'T. REPAIR (TYP.) 4' × 4' REINFORCED ORIOLE STREET CONCRETE CAP AT (50' PUBLIC R/W) ←2" GALV. WM BY SURVEY IR 5488 -DITCH, PLUGGING #7527 SEE DETAIL — R/W ON SHEET PD-1 B-18 2" EM 🛁 <u>OH</u> _____OH_ ____ _____OH _____OH _____ R/W (1) 12" D.I. M.J._ -480 LF \sim 12" PVC DR18 FORCE MAIN GATE VALVE LOT 1 LOT 21 (# 7530) (RE No. 027129 0000) AIR RELEASE (1) 8" X 8" X 4" D.I. M.J. TEE O.R.B. 4541, PG. 791 VALVE (1) 8" D.I. M.J. GATE VALVE ROWE PARK P.B. 13, PG. 8 FORCE MAIN OFFSET VARIES LINEARLY FROM 6.4' RT. @ STA. 314+00 TO 10' RT. @ STA. 321+00 NOTE: QUANTITIES FOR REMOVAL & REPLACEMENT OF EXISTING PAVING & DRAINAGE ITEMS ARE SHOWN ON SHEETS 30 THRU 33 - DEMOLITION **PLANS** AIR RELEASE VALVE-EXISTING GRADE AT CENTERLINE OF FORCE MAIN ight gray fine SAND, trace silt, poorly graded. -12" PVC DR-18 FORCE MAIN ∕_TFM 27.40 -TFM 27.30 $\langle 19 \rangle$ prown fine SAND, trace silt FM WM ense, Yellow fine SAND with silt, poorly Medium dense graded. (A-3 (1) 12" D.I. M.J._ └──8" PV¢ DR-18 WATER MAIN GATE VALVE └─(1) 8" X 8" X 4" D.I. M.J. TEE Loose, Pale brown fine SAND with silt, poorly graded. (A-3) rown fine SAND with : └─(1) 8" X 8" X 6" D.I. M.J. TEE (1) 8" X 8" X 4" D.I. M.J. TEE -(1) 8" D.I. M.J. GATE VALVE (1) 4" D.I. M.J. GATE VALVE © 10'. (2) 8" D.I. M.J. 45" BENDS 319+00 320+00





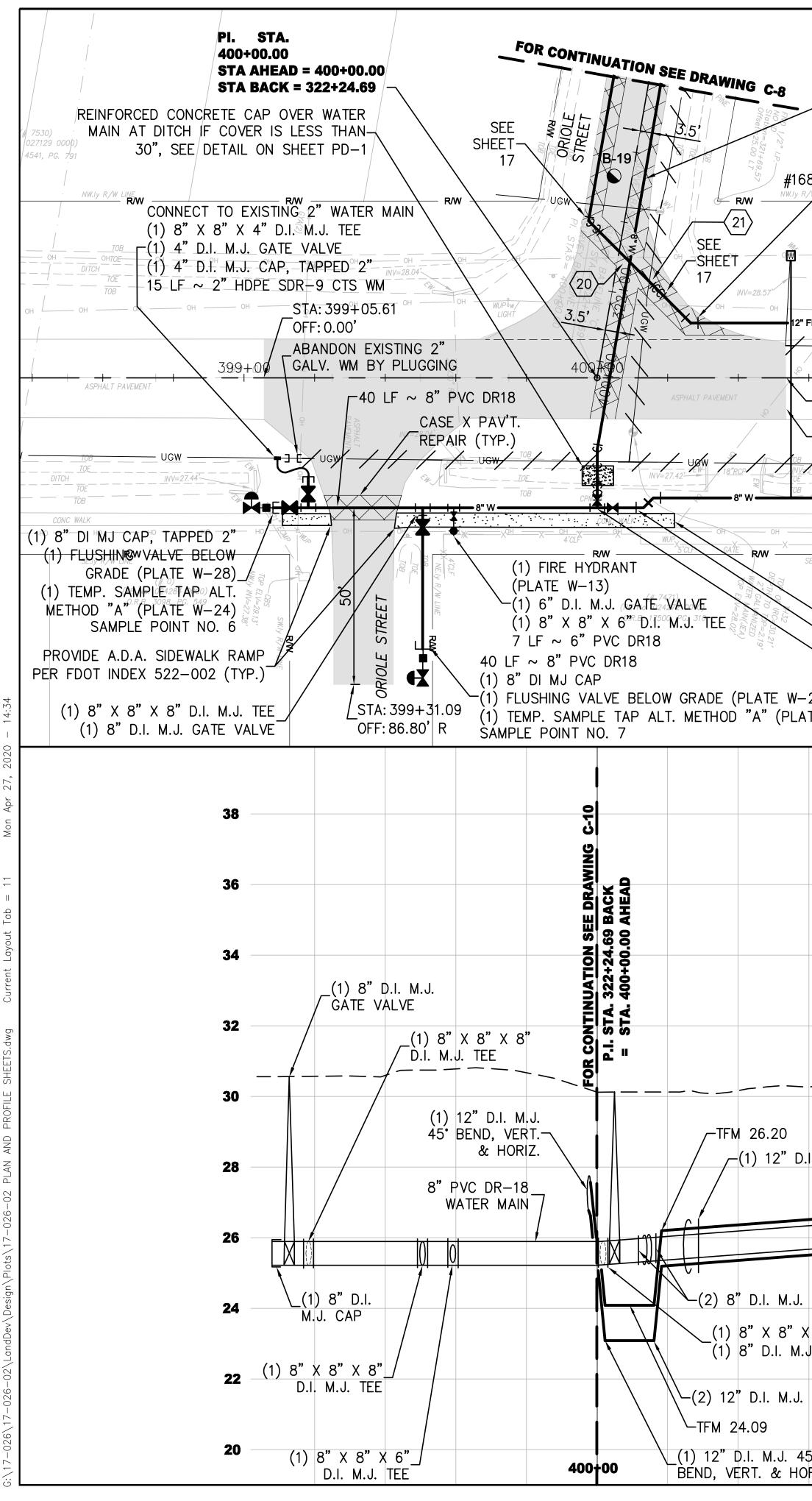
.А 5	CEMEN ARE S	IT OF EXIŞ	REMOVAL & TING PAVING SHEETS 30 T					
		NG 2 " LUGGING						
	12" D.I	I. M.J. 45°	BENDS, VERT			<u>NOTE:</u> THE ONLY PURPO		
SE	E X PA	V'T. REPA	R (TYP.)			INFORMATION ON DOES NOT APPE IMPROVEMENTS S	AR ON SHEET C	–11. THEREFO
P	LACE	EXISTING 4	' SIDEWALK ('	TYP.)		QUANTIFIED ON STABULATIONS FO	SHEET C-11, AN	
				, ,				
,"	D.I. N	1.J. 45° BE	NDS, VERT.					
_								
	- RAV		PI. STA. 400+00.00					
		OTPEF	STA BACK	D = 400+00.00 = 322+24.69				
	OR	IOLE STREE						
			RM					
>	CBS 'LV=29.13' INV=27.38'		E A.D.A. SIDE					
ly			OT INDEX 522					
	0000) 5.49	EACH SIDE	OF TRENCH ((TYP.)				
		32						
		30						
		28						
, ,	8" D.I.	26 . M.J. TEE						
J.	GATE	VALVE 24						
J	RT.							
		22						
		20						
		18						
		16						
		14						
_					 			

NAVD		0 VERTICAL SCALE IN FE	0 HORIZONTA SCALE IN FE			
8 BID DOCUMENTS - NOT FOF	FOR CONSTRUCTION	1 2	10 20 L L ET			England - Thins & Miller, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 642-8990 FAX: (904) 646-9485 REG - 00002584 LC - 0000316
NO. SHEETS PROJ. NO. 17-026-02			DESIGNER: D.W.H.	DESIGN ENGINEER	NO. BY DATE	REVISIONS
69			DRAWN BY: J.E.S.		6.	
SHEET NO. DATE: MAY 5, 2020			DATE:	SCOTT A. WILD	5.	
			CHECKED BY: S.A.W.	FLORIDA REGISTRATION NO.	.4 [,] c	
DRAWING NO. SCALE: AS NOTED	ODIOLE STDEET DI ANI AND DOOEILE		DATE:	06077		
C-10		Building Communitysm		4/030		

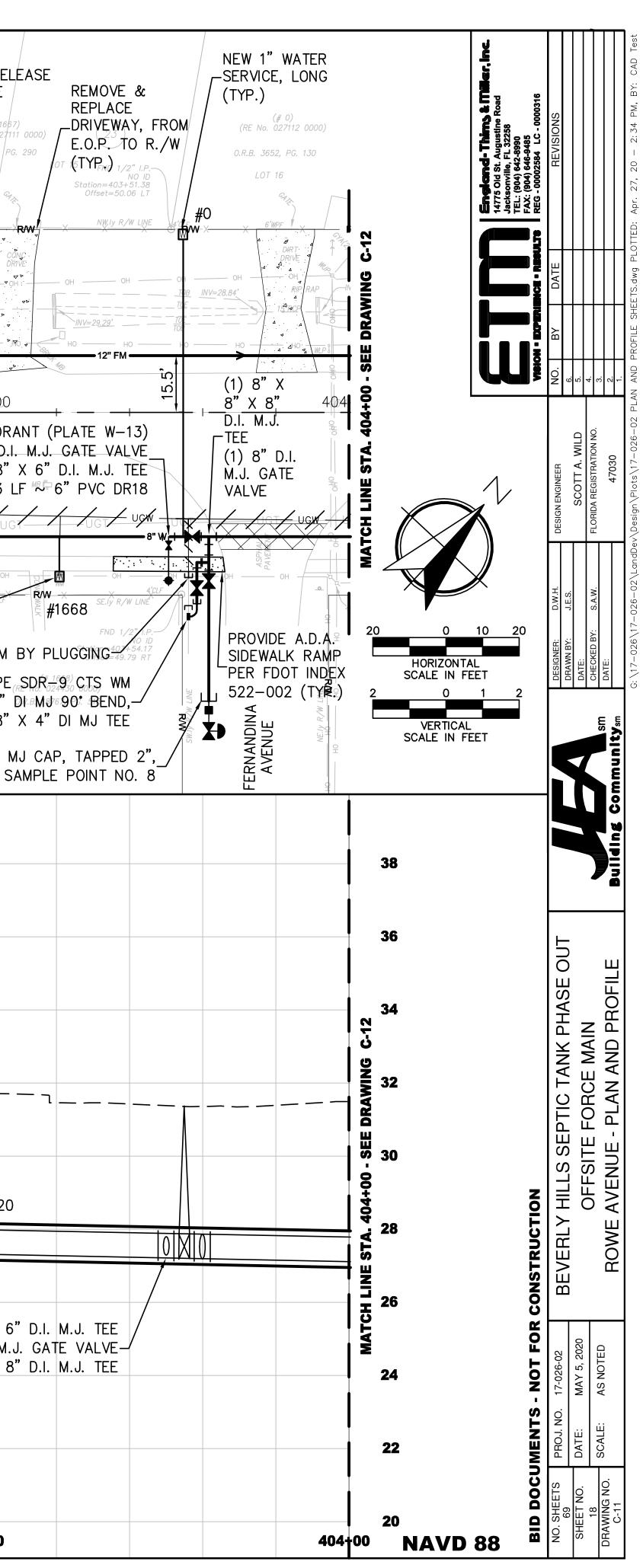


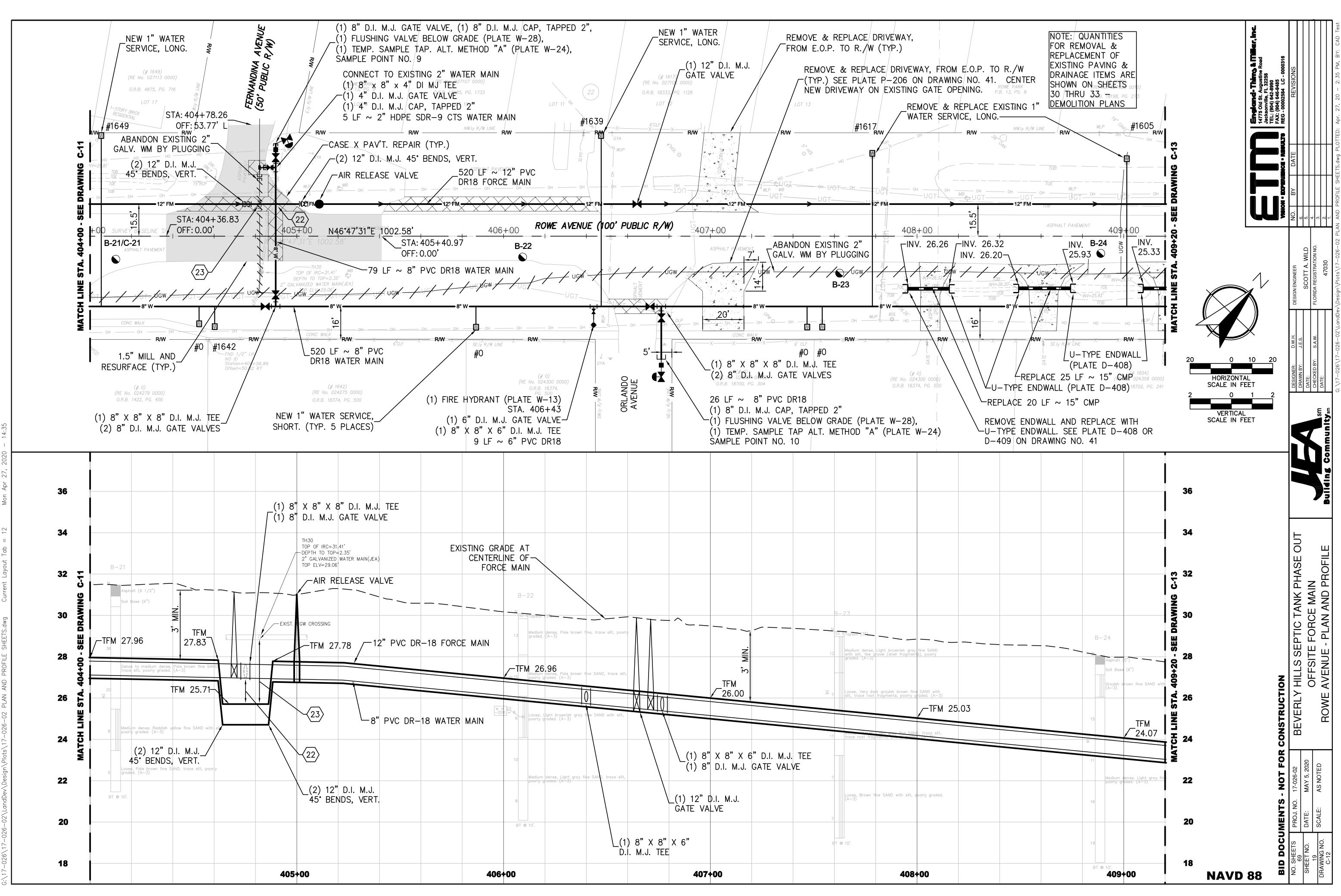
HOW THE PROFILE ROWE AVENUE THAT FORE THE LABELED AND IN THE QUANTITY

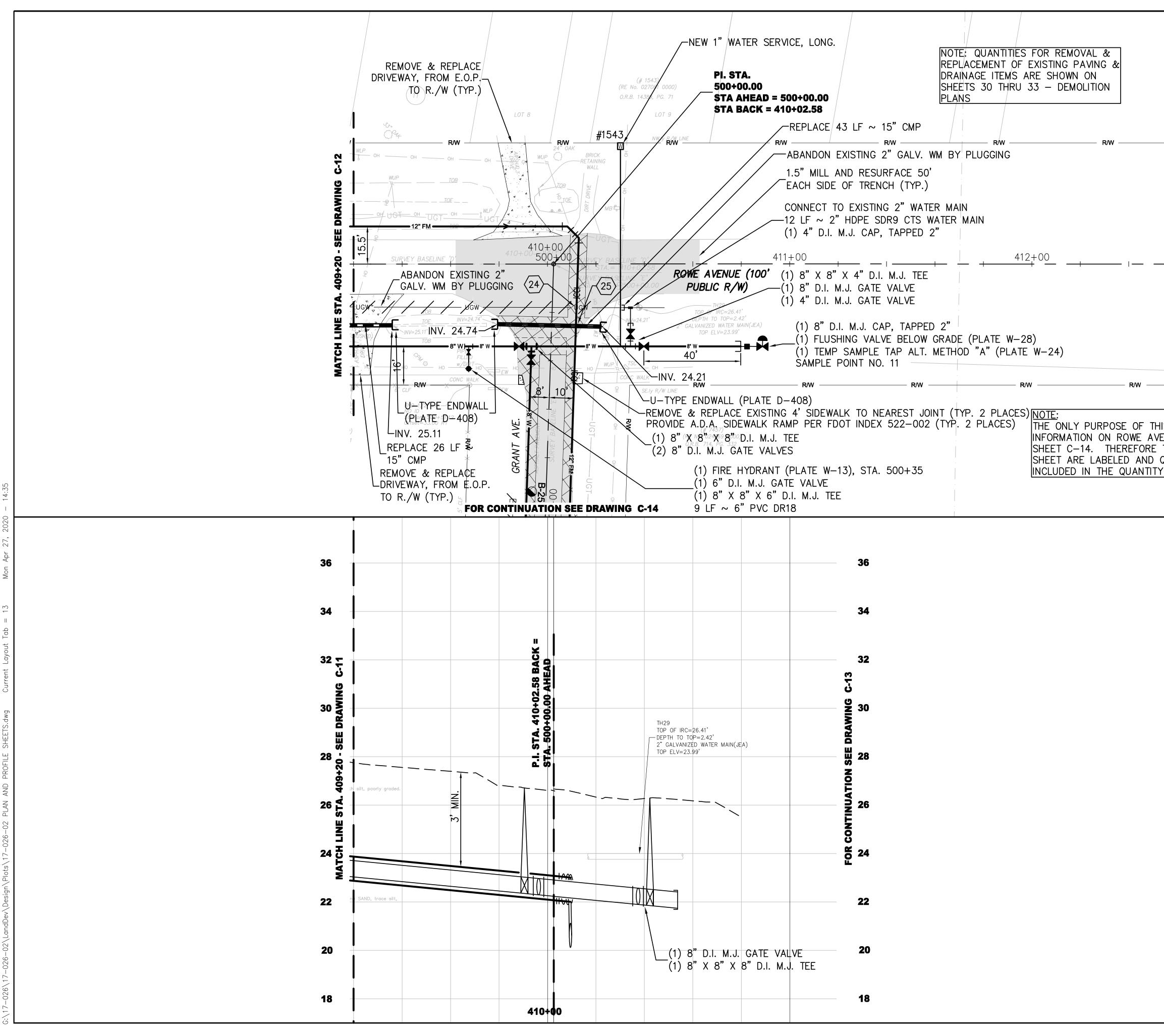
NAVD 88 🗖 🛛 🖄



		1			4								
		0.R.B.	₹118 L	.F ~ 8" PV	C DR18 W	ATER MAI	N / r	-456 LF	~ 12" PVC D	R18 FOR	CE MAIN	_AIR F	
			LOT 11 (# 1683)			8599, PG. 1412		 R.B. 4405, PG.; 91			REPLACE	VALV	
/	PF	0020) 1006			(# 1	OT 12 1677) 27110 0030)		LOT 13 (# 1673) No. 027110 0000	EX SE	ISTING 1" RVICE, LO	שאבדביי איז איז איז איז איז איז איז איז איז א		0271
58	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		M.J. 45° E ∉1683 /	BEND		/		#167	200 ROWE	Y. F. 5 PL	ACES) LOT 14 #1667		GP
R/	W LINE	/	FX	A RW 4'C	<u>⊮ </u>	77 				X {:> 20"PIN	- R/W X <u>4'CLF</u> IE	Б	
		НО НО		но <u>во тов</u> н		-OH WUP	DH G TOB		Тов _{он} МV=28.88			OH WUP	0 D ▶
		INV=28.17'TOB TOE INV=28.13'			NV=28.47'	12"RCP	<u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>		TOE TOE NV=28.74'		<u>12"RCP</u> MM W		 ▼
' F /		JER /					- 94 он & PLANTER		OH OH		HO HO HO	H0	A
/		S 401	+00				H 402 Y BASELINE 'D'	+00 RC)WE AVENUE +	+		403+0	
\	_STA: 400+ OFF: 0.00' 1.5" MILL			ASPHALT	PAVEMENT	I.		-20	↓		SPHALT PAVEMENT (1	(1) 6"	D.
			A ORAVEL A	W 1977.83			A BY PLUG		MB ⊑ Conc → DRIVE			(1) 8" X [₹] 1	o 3
		TOB	8" W	TOE TOB	22. H	-8" W			-8"₩- -8"₩- -8"₩-			0GW 8"W	-U(
	— он <u>—</u> (—Х. <i>5'CLF</i> Х.	он он	M H A A A A A A A A A A A A A A A A A A	и <i>солс</i> М он солс	WALK			ОН ——— ОН	- R/W -	REN	онс <i>WALK</i> #16 он 10VĘ _w & "RE		- OH
SL	E.Iy R/W LINE		CONC DRIVE	#1684				-51 LF ~	EXI 8" PVC	STING 1"	WATER SE (TYP. 3 PL	RVICE,	CLF
		/E & REPL	1	₩ <u>AUK</u> (TYP.	.) (R	NEW 1" W. SERVICE, R.B. 18043, PG. 11	SHORT DEPTH	D WATER MAIN(JEA	N A		EXISTING 2		
	(2)	8" D.I. M			.e	(TING 2" WATE APPED 2", (1)				4"
	28) TE W-24)	(2) 8" D.	.I. M.J. GA	D.I. M.J. TE TE VALVES					E VALVE, 40			8, (1) 8" D	
	,	(1) FL	USHING VA	ALVE BELOV	V GRADE ((PLATE W-	·28), (1) T	EMP. SAM	PLE TAP ALT	. METHO	D "A" (PLA	TE W-24),	
					FXI	STING GRA	ης ατ						
						CENTERLI			AIR F	RELEASE	VALVE		
_								<u>20</u>				-	
•				<u>~ </u>		/		Medium dens 8	e, Black fine SAND, trace	silt, trace Z			
						TH31 IRC=30.56' TOP=2.45' —			M 07 57	3, MI			
) . 	I. M.J. 45°	BEND PVC DR-	-18 FORCE		ALVANIZED WATER		w = <u>29</u> -200 = 5		M 27.57 e, Very dark gray fine SA raded. (A=3)	ND, trace		-TFM 28.	.20
			TFM 26				Ţ						
								6 Medium dens graded. (A-	e, Brown fine SAND, trace	e silt, poorly	(1)	o" v o" v	
	45° BENDS		/C DR-18	WATER MA	AIN			Medium dens	e, Light olive brown fine S	SAND, trace	(8" X 8" X 1) 8" D.I. 8" X 8" X	М.
Х	8" D.I. M	.J. TEE						4 silt, poorly g	rpdeđ. (A—3)				
. J	J. GATE VA	ALVE											
								Medium dens	e, Pale brown fine SAND, (A=3)	trace silt,			
	45' BENDS	S, VERT.						3 Medium dens poorly grade BT © 10'.	e, Pale brown fine SAND,	trace silt,			
	45° BENDS	S, VERT. 401 +	.00				402-1	BT ⊚ 10'.	e, Pale brown fine SAND,	trace silt,		403+0	

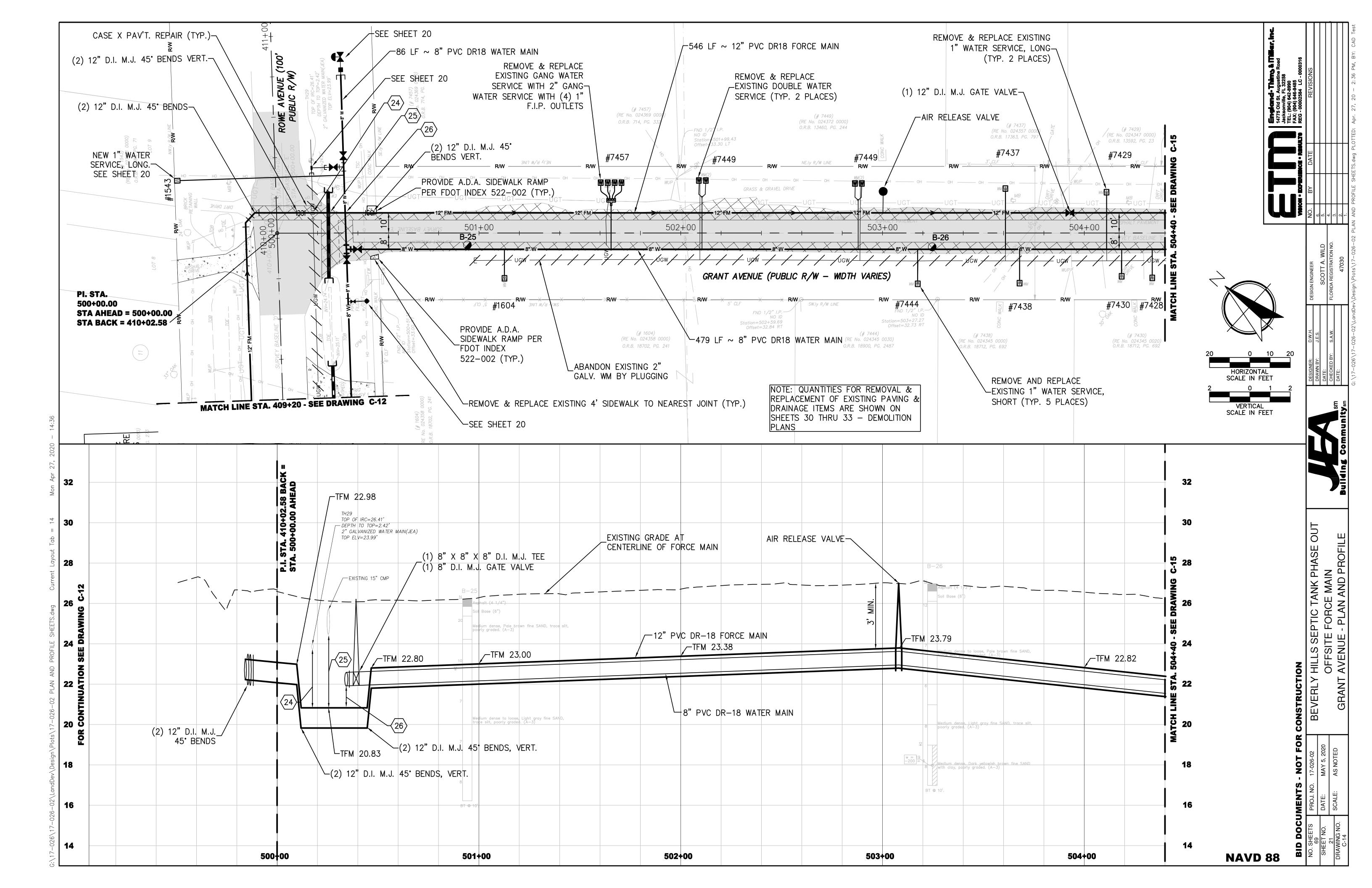


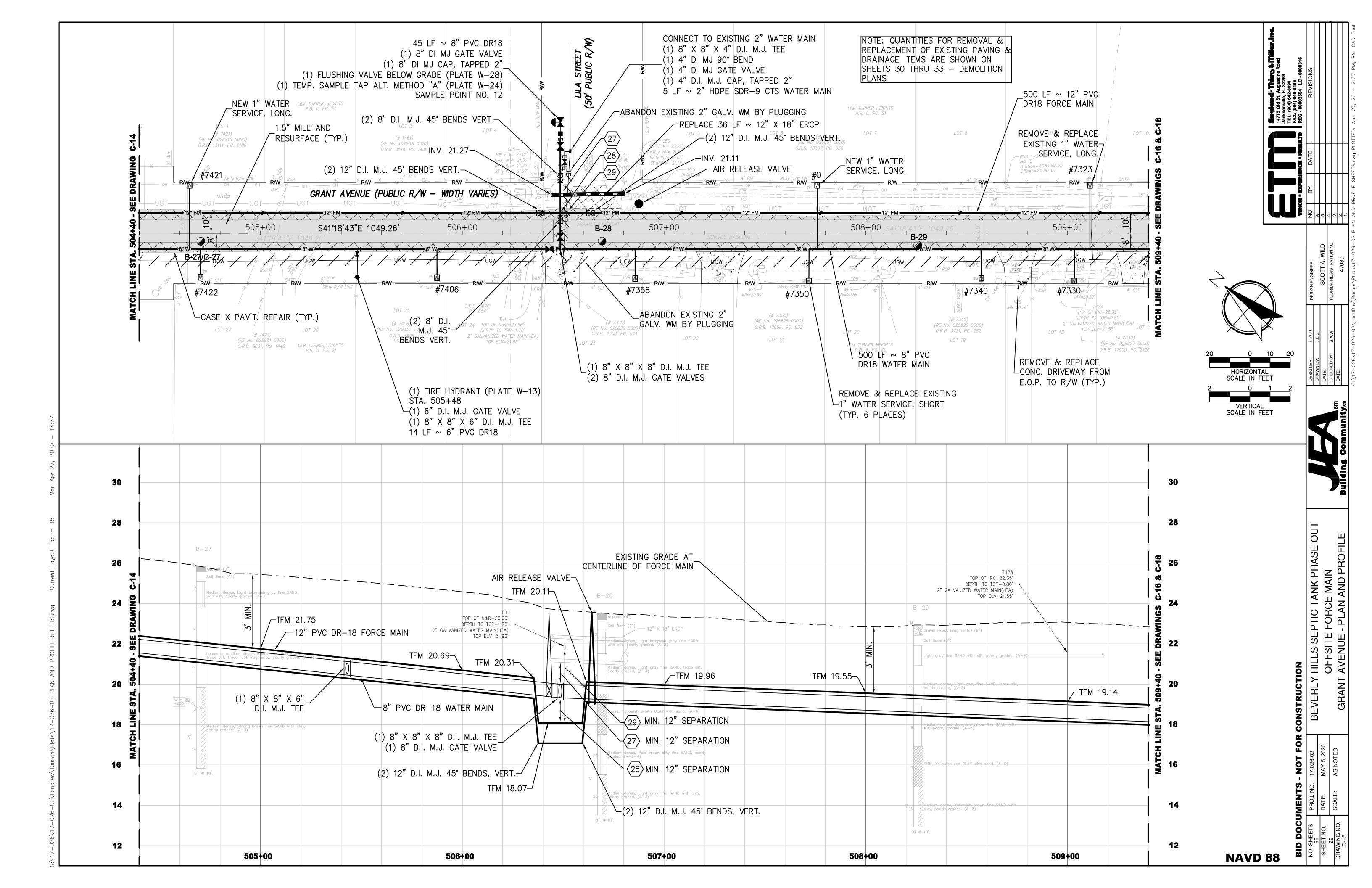


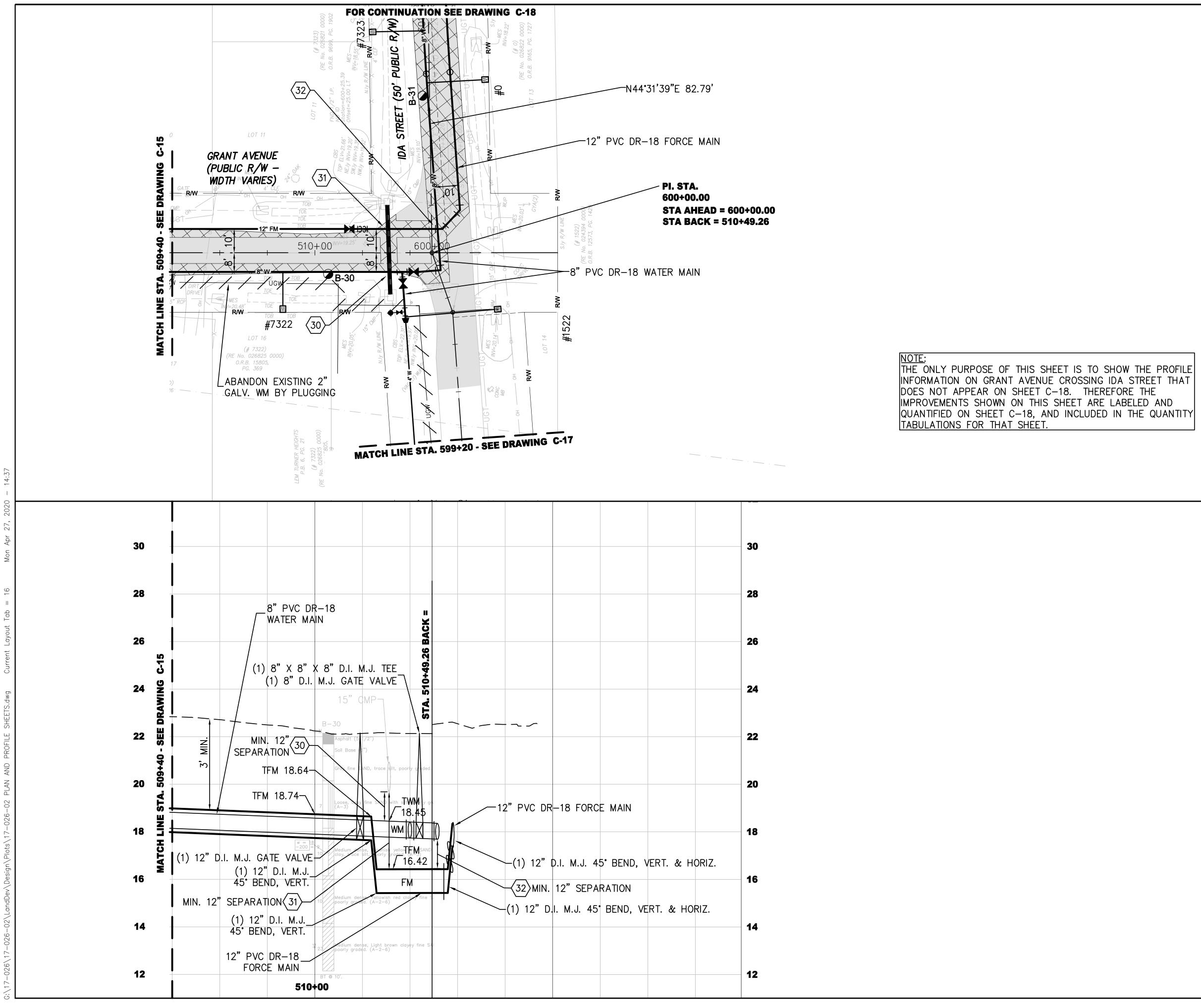


est
Ē
Q
СA
Ы
Ы
35
3
Ι
20
Υ,
2
٥٢.
¥
$\ddot{}$
TTED
E
LO
<u> </u>
٧g
ō
EETS
Ш
SHI
\exists
Ч
PR(
4
\sim
QN.
AND
AN AND
LAN AN
PLAN AN
02 PLAN AN
-02 PLAN AN
02 PLAN AN
-026-02 PLAN AN
026-02 PLAN AN
-026-02 PLAN AN
<pre>\17-026-02 PLAN AN</pre>
<pre>\17-026-02 PLAN AN</pre>
n\Plots\17-026-02 PLAN AN
ign\Plots\17-026-02 PLAN AN
vesign/Plots/17-026-02 PLAN AN
sign\Plots\17-026-02 PLAN AN
ev\Design\Plots\17-026-02 PLAN AN
v\Design\Plots\17-026-02 PLAN AN
andDev\Design\Plots\17-026-02 PLAN AN
\LandDev\Design\Plots\17-026-02 PLAN AN
\LandDev\Design\Plots\17-026-02 PLAN AN
-02\LandDev\Design\Plots\17-026-02 PLAN AN
26-02\LandDev\Design\Plots\17-026-02 PLAN AN
026-02\LandDev\Design\Plots\17-026-02 PLAN AN
26-02\LandDev\Design\Plots\17-026-02 PLAN AN
<pre>\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN</pre>
26\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN
026\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN
26\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN
-026\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN
-026\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN
:\17-026\17-026-02\LandDev\Design\Plots\17-026-02 PLAN AN

RW HIS SHEET IS TO SHOW THE PROFILE RW HIS SHEET IS TO SHOW THE PROFILE HIS SHEET IS TO SHOW THE PROFILE				_		_
Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field Image: state in Field	England - Thins & M 14775 Old St. Augustine Road Jaconville, FL 32258 TEL: (904) 646-9485 FAX: (904) 646-9485 REG - 00000264 LC - 0000316	SINCIONS				
R A CONTRACT OF C		I BY I DATE	5			
Image: A construct of the		2				
THE IMPROVEMENTS SHOWN ON THIS VALUED IN SHEET. Improvements of the test Improvements of the test Improvements of the test Improvements of test Improvements of test Improvements of test Improvements of test			DESIGN			
A TABULATIONS FOR THAT SHEET. ACRICATION A TABULATIONS FOR THAT SHEET. ACRIANT A TABULATION FOR CONSTRUCTION ACRIANT	AIS SHEET IS TO SHOW THE PROFILE VENUE THAT DOES NOT APPEAR ON THE IMPROVEMENTS SHOWN ON THIS 2 0 1 2				DATE:	
ID DOCUMENTS - NOT FOR CONSTRUCTION Selects Prior 17-056-00 BEVERLY HILLS SEPTIC TANK PHASE OUT OFFSITE FORCE MAIN C13 C13 C13 C13 C13 C13 C13 C13	Y TABULATIONS FOR THAT SHEET.					
iD DOCUMENTS - NOT FOR CC SHEETS PROJ. NO. 17-026-02 0 DATE: MAY 5, 2020 20 SCALE: AS NOTED						
ID DOCUMENTS - NOT SHEETS PROJ. NO. 17-026- 69 69 69 613 0. STHEET NO. 17-026- 63 617 17-026- 63 617 17-026- 63 617 17-026- 17-026- 17-026- 63 17-026- 17-020-			BEVERLY HILLS SEPTIC TANK PHASE OUT	OFFSITE FORCE MAIN	ROWF AVENUF - PLAN AND PROFILE	
BID DOCUME SHEET NO. SHEETS SHEET NO. SHEETS SHEET NO. SCA DRAWING NO. SCA C-13 SCA			NO. 17-026	MAY 5,		
		NO CHEFTS				<u>ر</u> 5

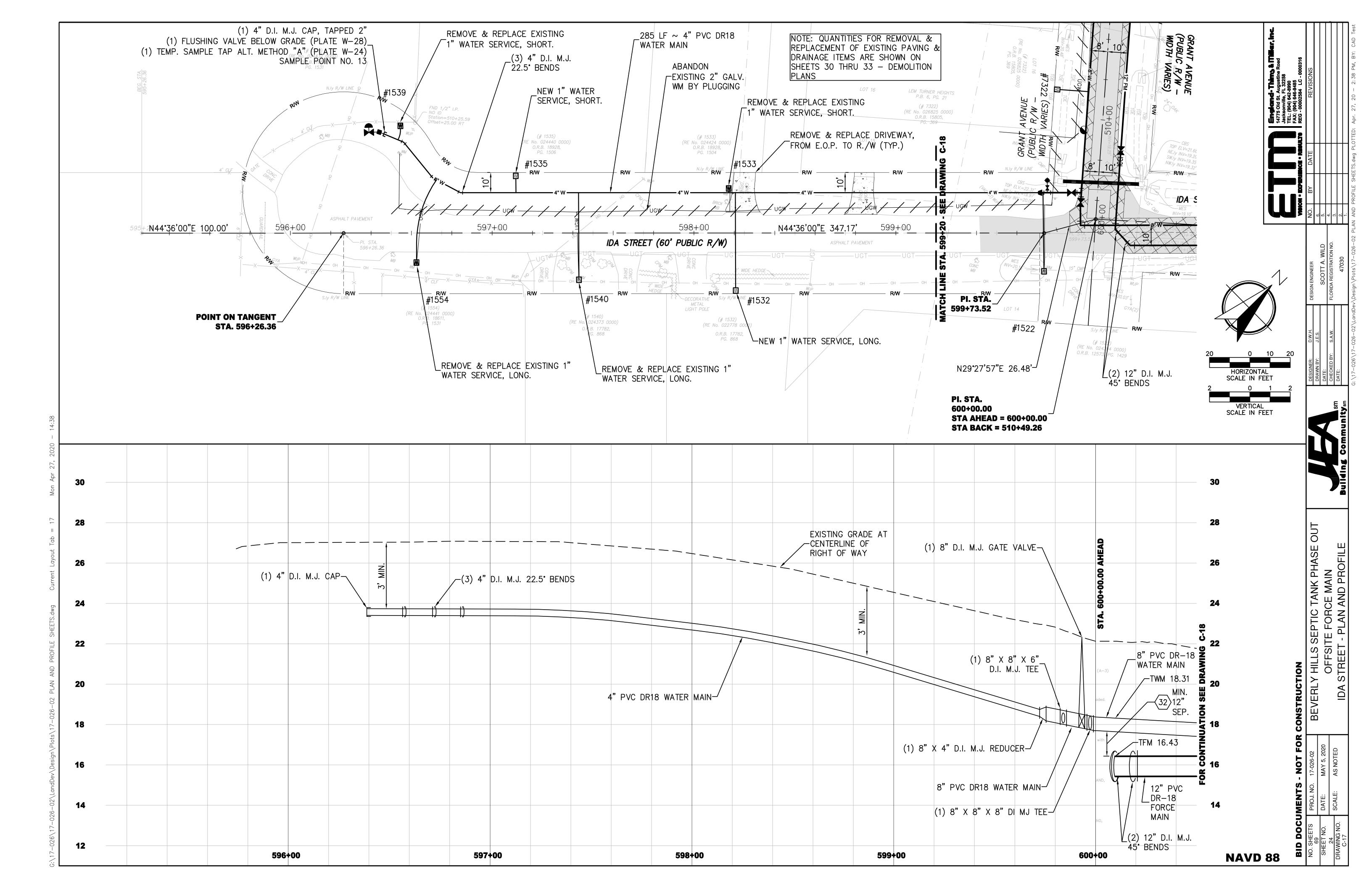


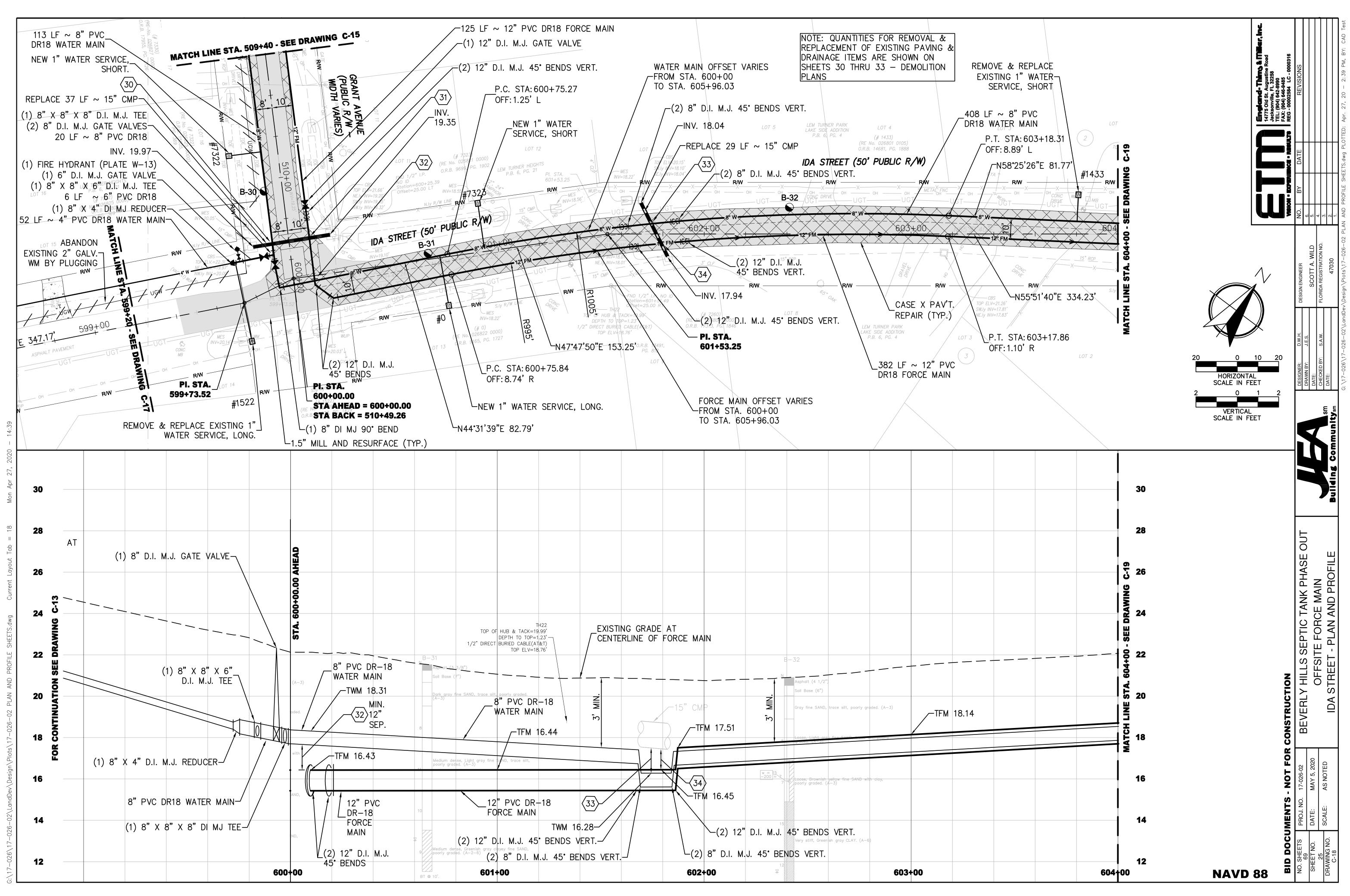


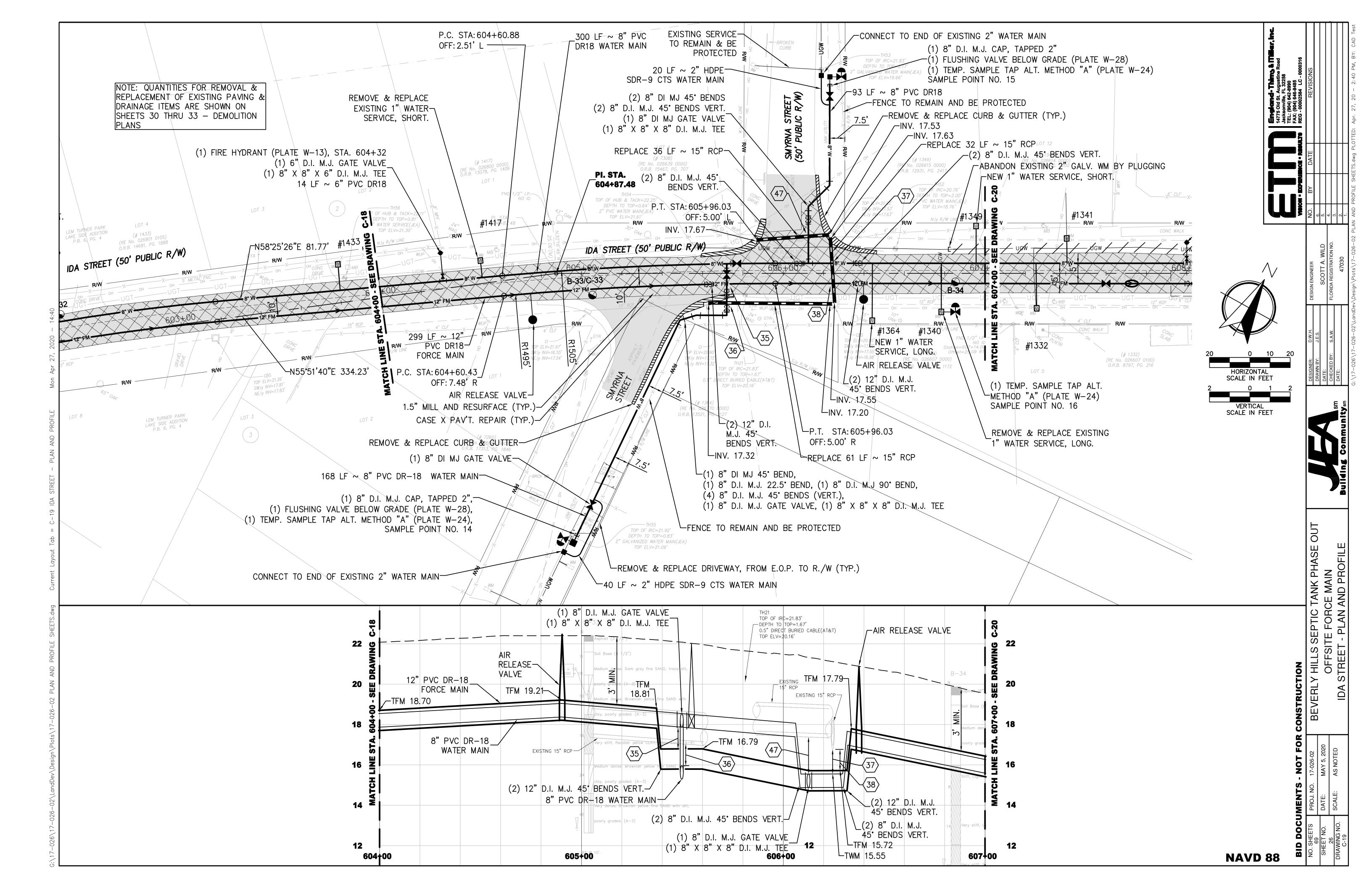


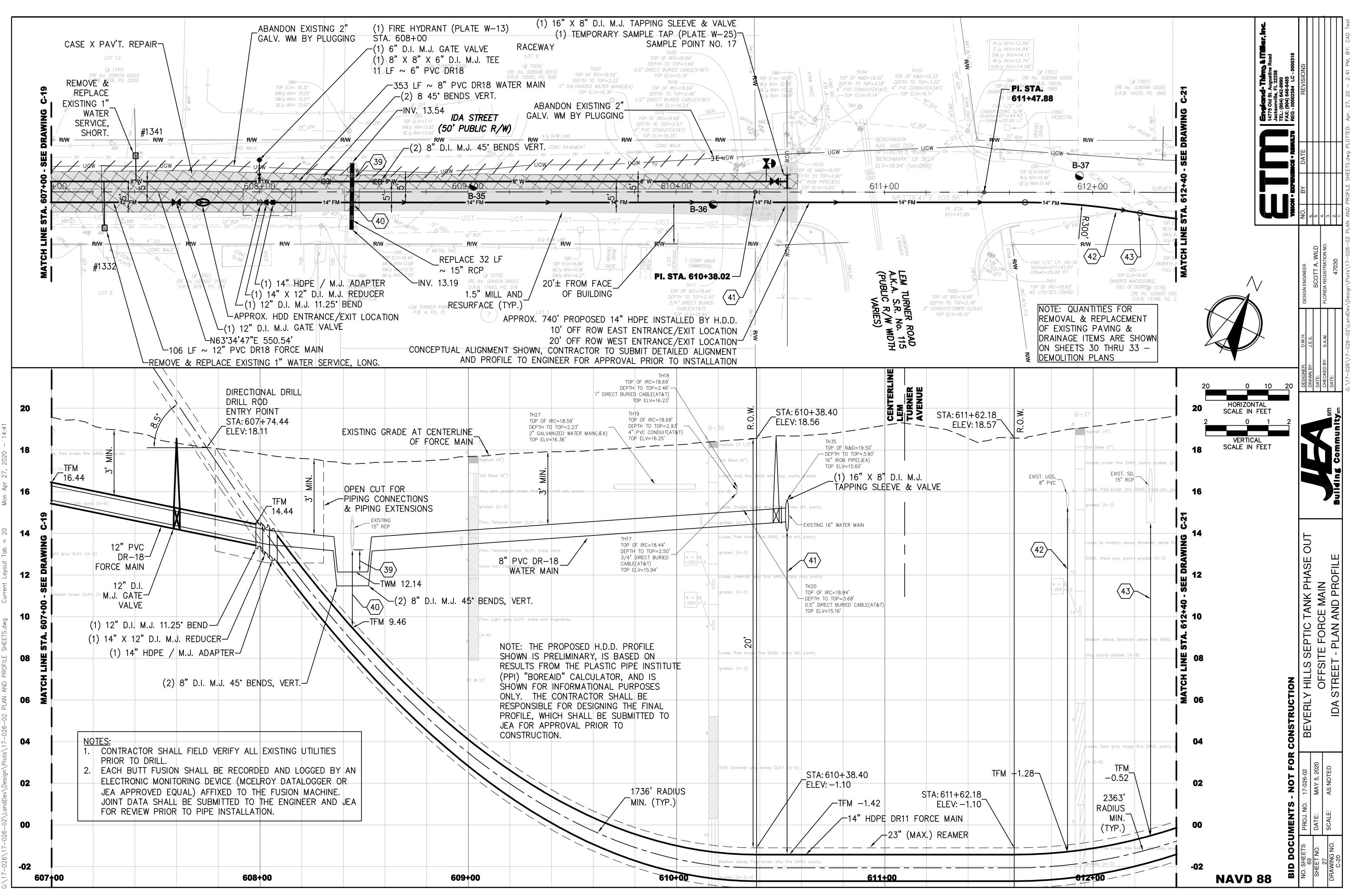
					30
					28
					26
					24
					22
					20
DR	-18 FORC	E MAIN			18
	D.I. M.J. 4	5° BEND, V RATION	/ERT. & H(ORIZ.	16
D.	I. M.J. 45'	BEND, VE	RT. & HOI	RIZ.	14
					12

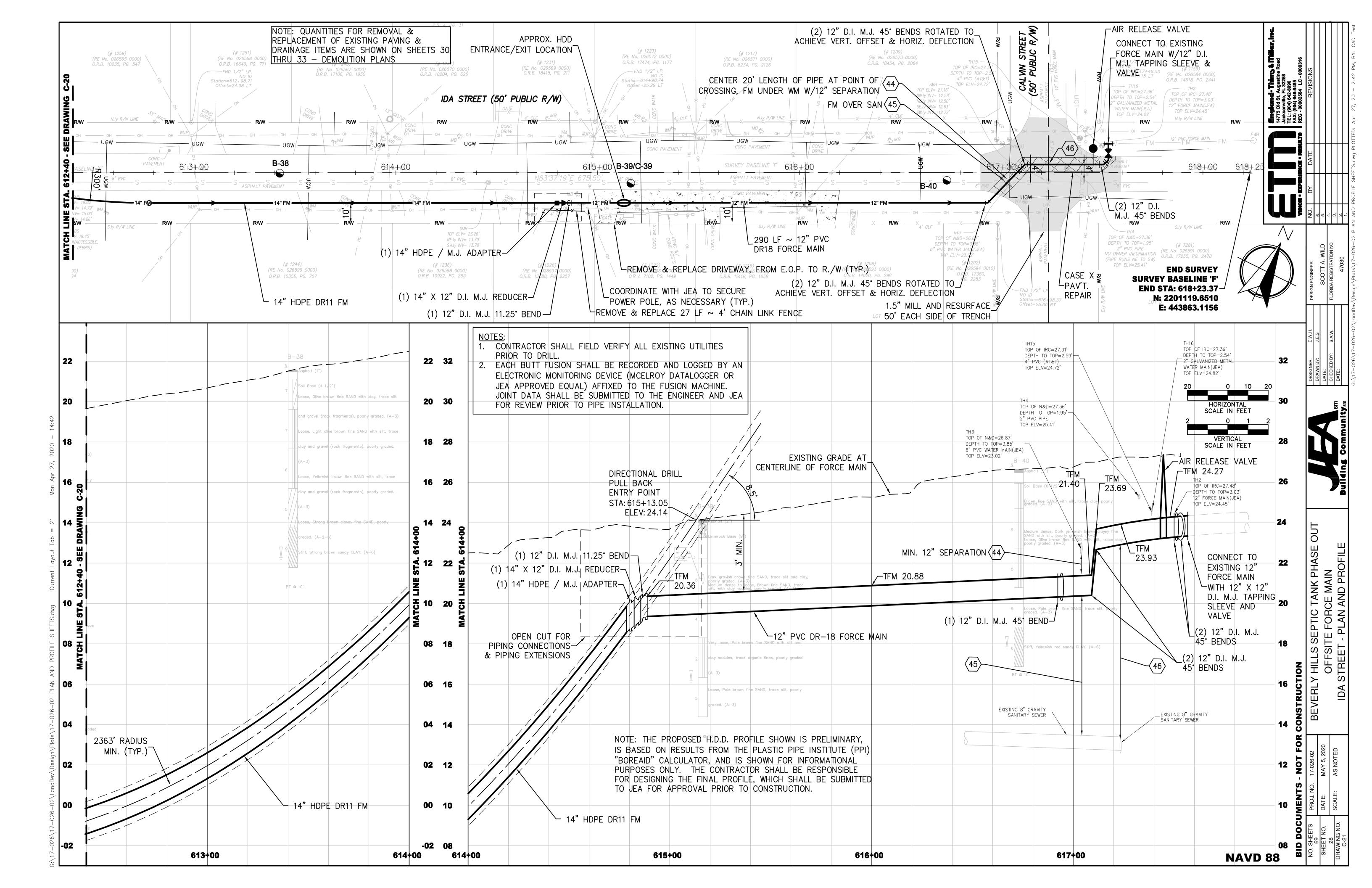
View Control Control Control Con	DESIGN ENGINEER NO. BY DATE REVISIONS	e.	SCOTT A. WILD 5. 5.	FI ORIDA REGISTRATION NO 4.		47030 2. 2.	1. 1.
0 10 20 HORIZONTAL SCALE IN FEET 0 1 2 VERTICAL SCALE IN FEET	DESIGNER: D.W.H.	DRAWN BY: J.E.S.	DATE:	CHECKED BY SAW			
OT FOR CONSTRUCTION	בווב ביוע ביזע בעדור דאאוג פטאכב רווד						
BID DOCUMENTS - NOT FOR	NO. SHEETS PROJ. NO. 17-026-02	69	SHEET NO. DATE: MAY 5, 2020		DRAWING NO SCALE: AS NOTED	NO.	C-16

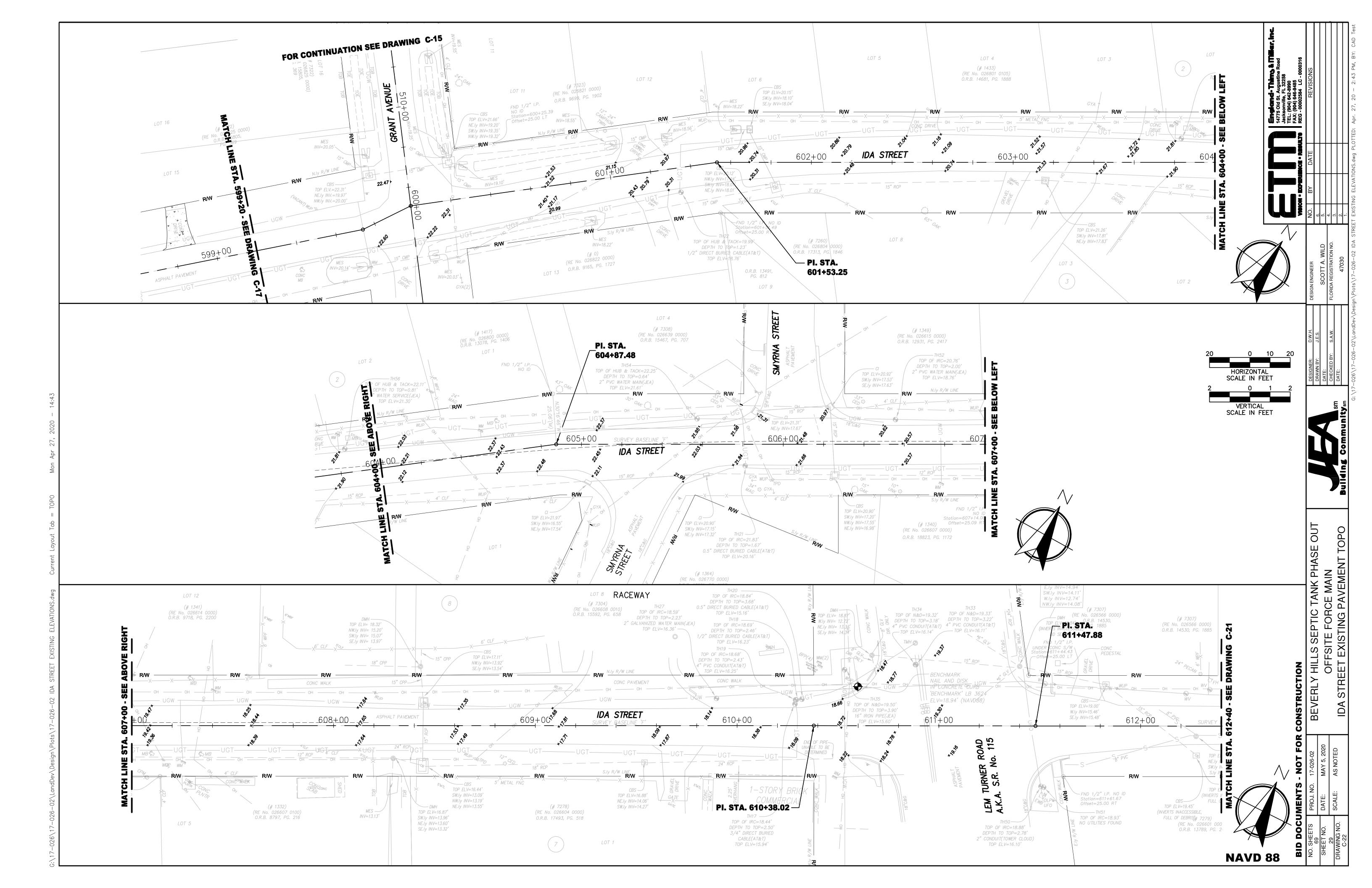


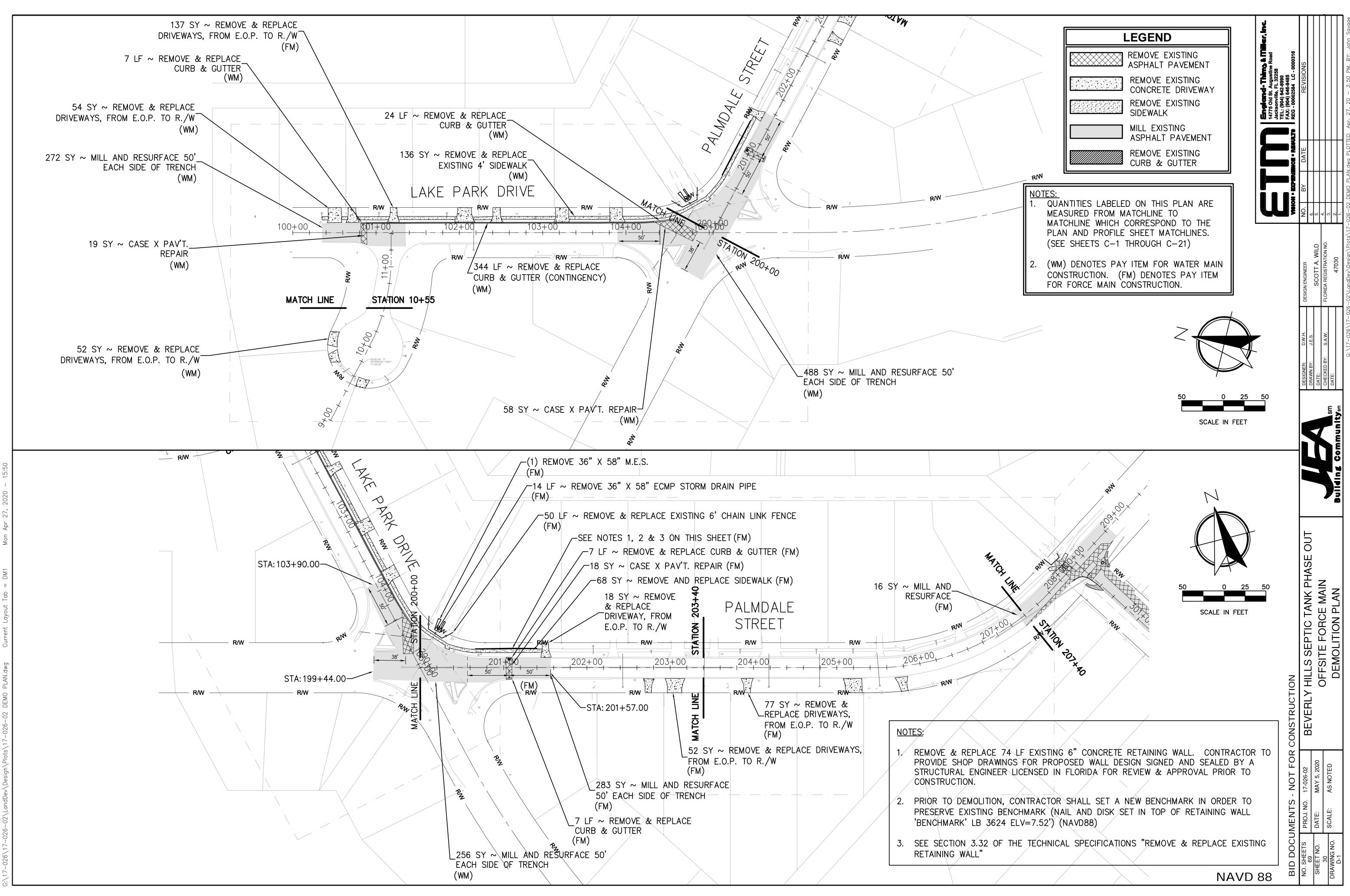


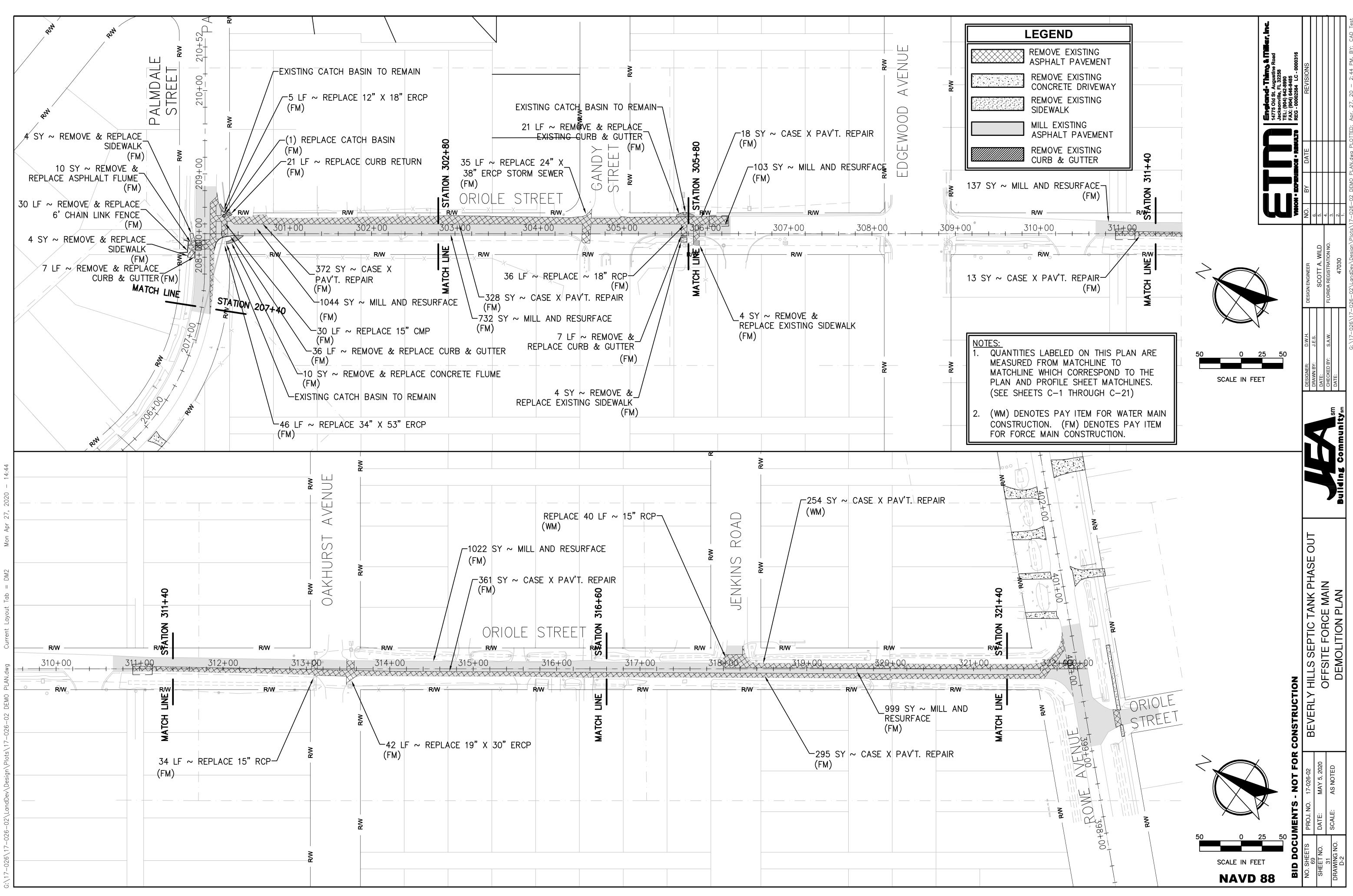


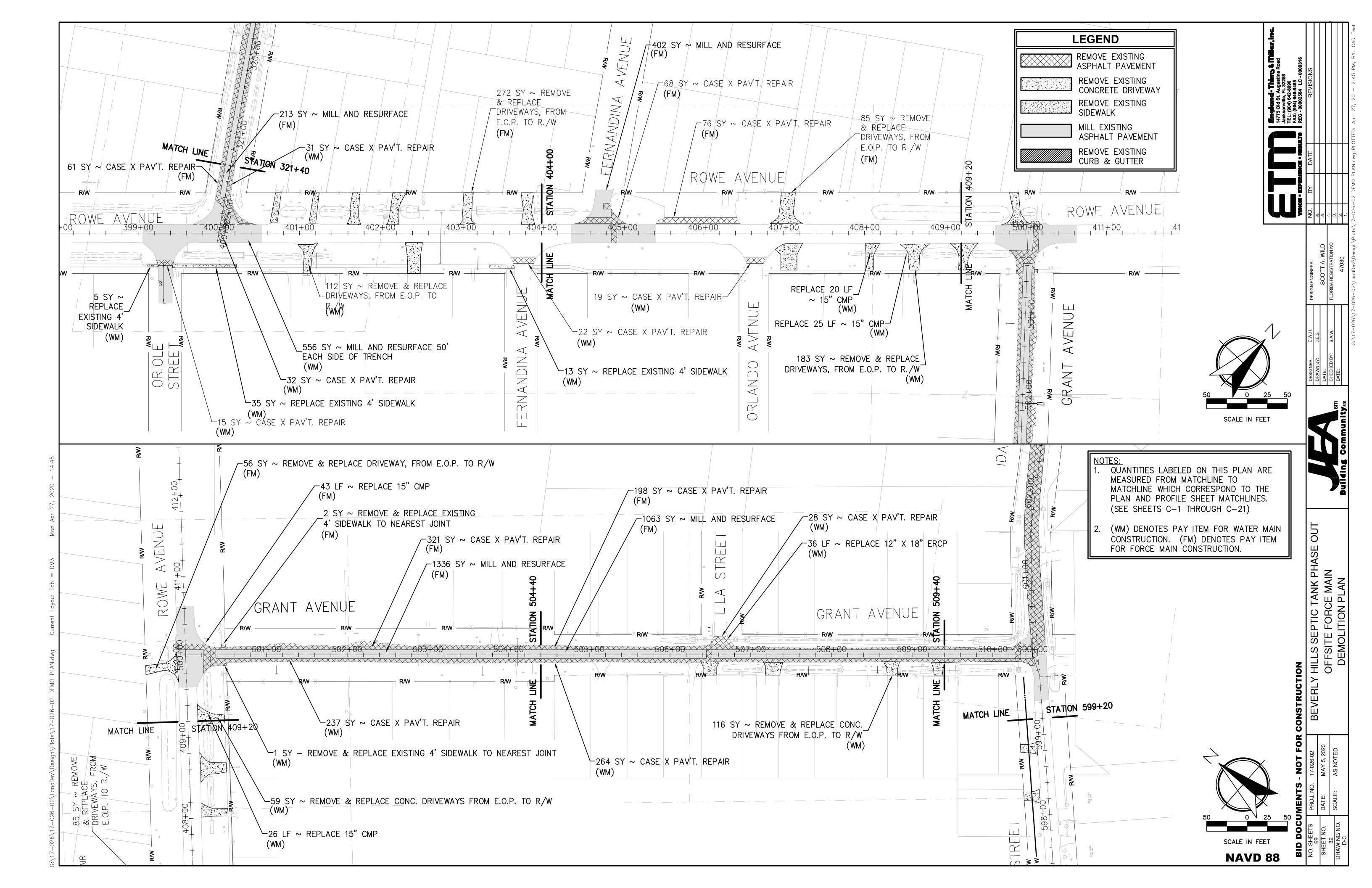


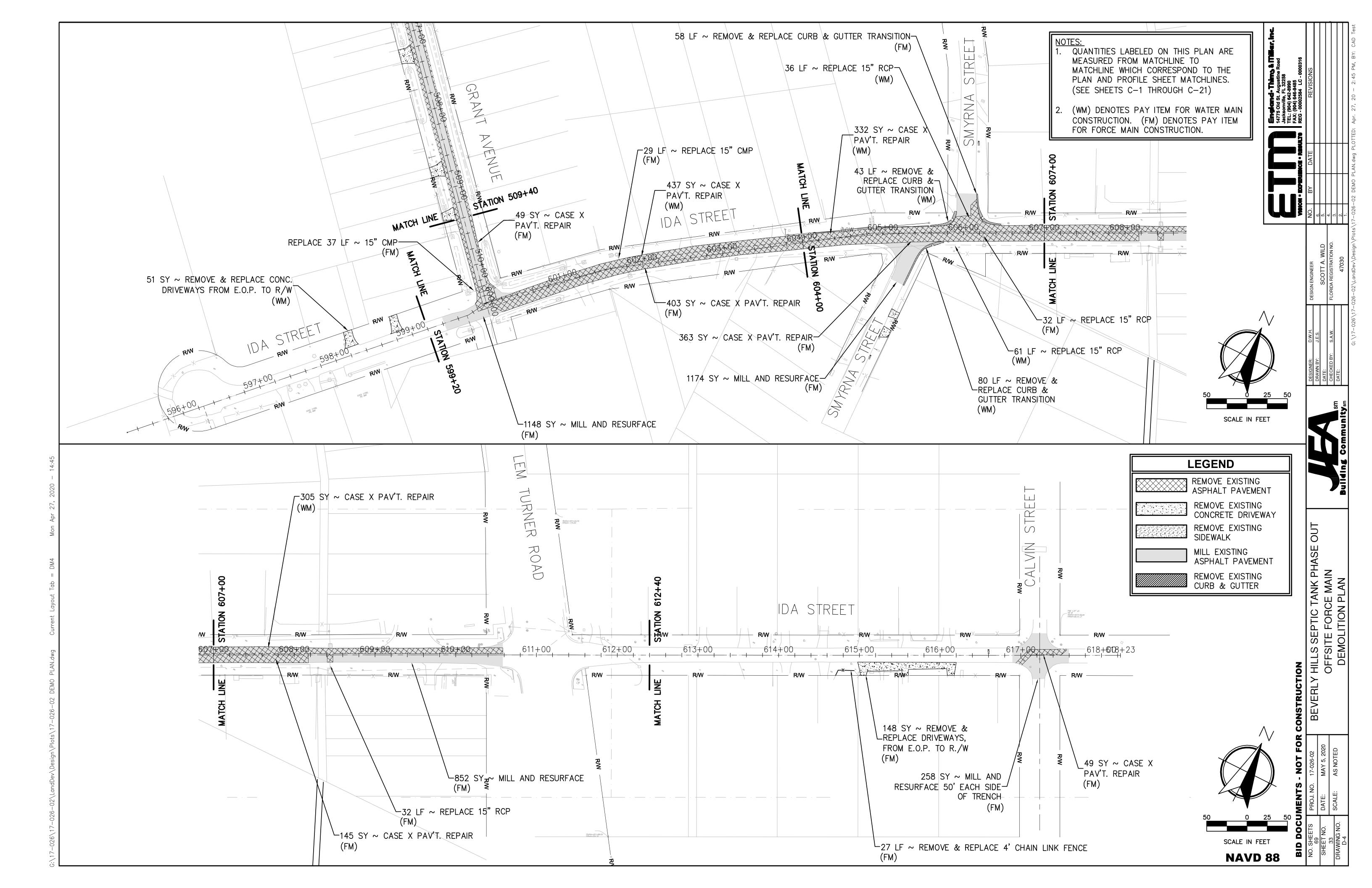












	PROPOSED UTILITY											
	PO	TABLE WA	TER		STEWATE Y AND FOF		RECL	AIMED WA	ATER	VACI	JUM SEWI	ERS
CONFLICTING UTILITY	HORIZ.	VERT.	JOINT SPACING*	HORIZ.	VERT.	JOINT SPACING*	HORIZ.	VERT.	JOINT SPACING*	HORIZ.	VERT.	JOINT SPACING*
POTABLE WATER	3' NOTE 1	12"	3' NOTE 2	6' to 10'	12" NOTE 5	6' NOTE 2	3'	12"	6' NOTE 2	3' to 10'	12"	3' NOTE 2
RECLAIMED WATER	3'	12"	6' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3'	12"	6' NOTE 2	3' NOTE 1	12"	3' NOTE 2
WASTEWATER (GRAVITY AND FORCE MAIN)	6' to 10'	12"	6' NOTE 2	3' NOTE 1	12"	6"	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
VACUUM SEWERS	3' to 10'	12"	3' NOTE 2	3' NOTE 1	12"	6"	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
RIGHT OF WAYS	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A
PERMANENT STRUCTURES (SIGNS, POLES, ETC.)	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A
STORM SEWERS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
GAS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
TREES	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A
ALL OTHER UTILITIES	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

NOTES:

1. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.

2. THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.

3. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

4. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURES.

5. WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.

6. REFER TO POTABLE WATER PIPING- SECTION 350, III.4.11.

SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS

JANUARY 2019

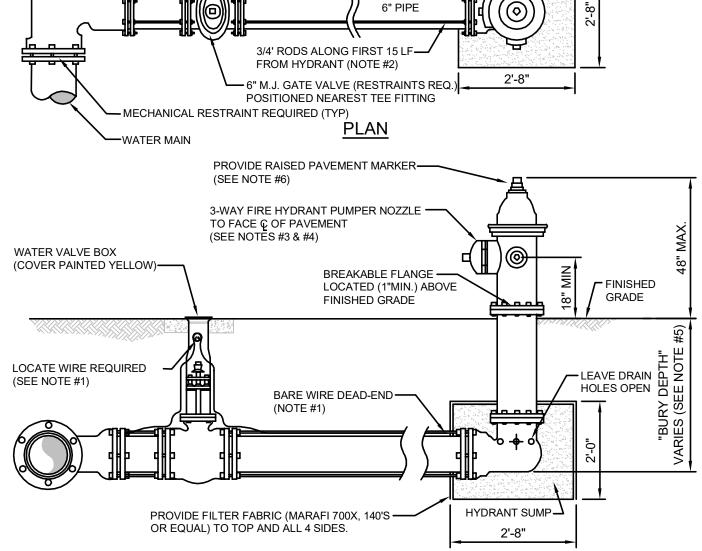
PLATE W-10

WATER MAIN AND NON-WATER MAIN SEPARATION REQUIREMENTS - NOTES

- 1. IT IS REQUIRED THAT "WATER MAINS" BE INSTALLED, CLEANED, DISINFECTED AND HAVE A SATISFACTORY BACTERIOLOGICAL SURVEY PERFORMED IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS. CHAPTER 62-555, F.A.C. AND LATEST JEA WATER AND SEWER STANDARDS. FOR THE PURPOSE OF THIS SECTION. THE PHRASE "WATER MAINS" SHALL MEAN MAINS. INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING FITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER FIRE HYDRANT LEADS; AND SERVICE LINES THAT HAVE AN INSIDE DIAMETER OF THREE (3) INCHES OR GREATER. IN ADDITION, THE PHRASE "RECLAIMED WATER" REFERS TO THE WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 2. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
- 3. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER. WASTEWATER FORCE MAIN. OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER (SPECIAL CASE).
- 4. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLE TWELVE (12) INCHES, ABOVE OR AT LEAST TWELVE (12) INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- 5. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS A LEAST TWELVE (12) INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- 6. AT THE UTILITY CROSSINGS DESCRIBED IN NOTES 4 AND 5 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER, AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINE CONVEYING RECLAIMED WATER.
- 7. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SO THAT THE HYDRANTS ARE AT LEAST THREE (3) FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER; AT LEAST THREE (3) FEET. AND PREFERABLY TEN (10) FEET. FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER: AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER OR WASTEWATER FORCE MAIN.
- 8. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE, THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER TO OBTAIN APPROVAL OF ANY ALTERNATIVE CONSTRUCTION METHODS, PRIOR TO CONSTRUCTION.

NOTES ON UTILITY SEPARATION REQUIREMENTS

JANUARY 2019

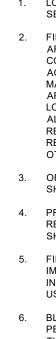


ί0" ΜΙΝ

- MJ TEE, [HYDRANT/ANCHOR TEE SHALL BE APPROVED BY O&M MANAGER]

PROVIDE SPOOL PIECE WITH

3/4" RODS (24" LONG MIN)



NOTES:

2020

FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE

BLUE REFLECTIVE MARKERS SHALL BE INSTALLED IN SUCH A MANNER THAT THE REFLECTIVE FACE OF THE MARKER IS PERPENDICULAR TO A LINE PARALLEL TO THE ROADWAY CENTERLINE. THE BLUE REFLECTIVE MARKERS SHALL BE PLACED IN THE CENTER OF THE TRAVEL LANE, DIRECTLY ACROSS FROM AND ADJACENT TO EACH FIRE HYDRANT.

FIRE HYDRANTS SHALL BE ORDERED WITH PROPER "BURY DEPTH" TO MEET ACTUAL FIELD CONDITIONS. THIS IS ESPECIALLY IMPORTANT FOR BRANCH LINES WHICH TEE-OFF A 12" OR LARGER WATER MAIN. UNLESS APPROVED OTHERWISE BY JEA, THE INSTALLATION OF (45°) BENDS IS NOT ACCEPTABLE WHEN UTILIZED TO CORRECT AN IMPROPERLY FURNISHED HYDRANT. THE USE OF HYDRANT EXTENSIONS SHOULD BE MINIMIZED.

REPAINTED (RUS- KIL ENAMEL-INTERNATIONAL YELLOW OR EQUAL). PRIVATELY OWNED AND MAINTAINED FIRE HYDRANTS SHALL BE PAINTED RED.

PRIOR TO PROJECT FINAL INSPECTION, THE HYDRANT AND ALL ABOVE GROUND PIPING SHALL BE RE-OILED, GREASED AND

OPERATION OF THE FIRE HYDRANT SHALL BE EITHER FULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRANT SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.

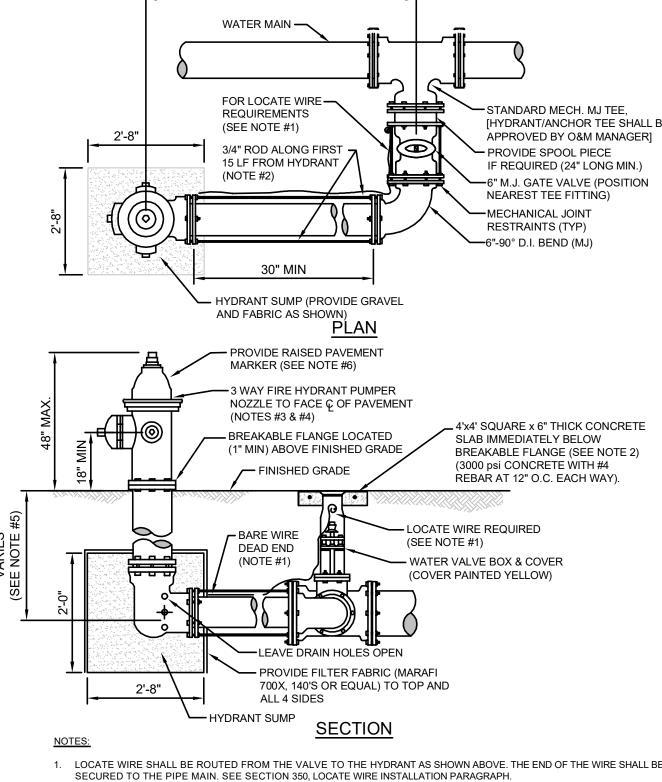
ALL PIPING, VALVES AND FITTINGS ALONG THE HYDRANT BRANCH MAIN WHICH IS WITHIN 15 LF OF THE HYDRANT SHALL BE RESTRAINED UTILIZING ONLY TWO 3/4" DIA (THREADED ENDS) STEEL RODS AND EYE BOLTS (NO JOINT RESTRAINT DEVICES REQUIRED). A SPLIT SERRATED RING WITH RESTRAINT EARS (ÉBAA 15 PF06 or EQUAL) MAYBE USED IN THIS ASSEMBLY. ALL OTHER JOINTS ALONG THE HYDRANT BRANCH MAIN OUTSIDE OF THE FIRST 15 LF SHALL INCLUDE JOINT RESTRAINTS.

AREAS. THE DISTANCE RANGE FROM EDGE OF ADJACENT PAVEMENT, BACK OF CURB AND FACE OF SIDEWALK SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND AS APPROVED BY JEA AND APPLICABLE PERMITTING AGENCIES. DISTANCE SHALL BE MEASURED TO THE CLOSEST PART OF THE FIRE HYDRANT (I.E. THE PUMPER NOZZLE). THE MAXIMUM DISTANCE (BACK OF CURB) SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND AS APPROVED BY JEA. FOR OTHER LOCATION LIMITATIONS SEE PLATES W-10 AND W-11. IF PIPING BETWEEN TEE AND HYDRANT IS LONGER THAN 80 LF, AN ADDITIONAL 6" GATE VALVE IS REQUIRED AT THE HYDRANT LOCATION (PROVIDE 30" SEPARATION).

2. FIRE HYDRANTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK AND NOT WITHIN SWALE/DITCH

LOCATE WIRE SHALL BE ROUTED FROM THE VALVE TO THE HYDRANT AS SHOWN ABOVE. THE END OF THE WIRE SHALL BE SECURED TO THE PIPE MAIN. SEE SECTION 350, LOCATE WIRE INSTALLATION PARAGRAPH

SECTION



10' MAX

FIRE HYDRANT INSTALLATION LIMITED SPACE

JANUARY 2019

USE OF HYDRANT EXTENSIONS SHOULD BE MINIMIZED.

6. BLUE REFLECTIVE MARKERS SHALL BE INSTALLED IN SUCH A MANNER THAT THE REFLECTIVE FACE OF THE MARKER IS PERPENDICULAR TO A LINE PARALLEL TO THE ROADWAY CENTERLINE. THE BLUE REFLECTIVE MARKERS SHALL BE PLACE THE CENTER OF THE TRAVEL LANE, DIRECTLY ACROSS FROM AND ADJACENT TO EACH FIRE HYDRANT.

JOINT RESTRAINTS.

SHALL BE PAINTED RED.

SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.

PLATE W-13

-HYDRANT SUMP (PROVIDE GRAVEL

AND FILTER FABRIC AS SHOWN)

	Control <t< th=""><th>BY DATE REVISIONS</th></t<>	BY DATE REVISIONS
	THESE DETAILS AS SHOWN ON THIS DRAWING ARE BY THE J.E.A. WE TAKE NO EXCEPTION TO THE DESIGN	R: D.W.H. DESIGN ENGINEER NO. Y: J.E.S. SCOTT A. WILD 4. BY: S.A.W. FLORIDA REGISTRATION NO. 2. BY: S.A.W. 77030 1.
BE		Building Communitysm
BE SATED O LESS SS COUNTY IF ANT SVITHIN SOLTS INTHIN SOLTS INTHIN	FOR CONSTRUCTION	BEVERLY HILLS SEPTIC TANK PHASE OUT OFFSITE FORCE MAIN WATER DETAILS
s WITHIN BOLTS HAYBE NCLUDE NT AND TS HALLY A THE T. THE CED IN -14	ID DOCUMENTS - NOT	NO. SHEETS PROJ. NO. 17-026-02 69 DATE: MAY 5, 2020 34 SCALE: AS NOTED W.STD-1

[HYDRANT/ANCHOR TEE SHALL B APPROVED BY O&M MANAGER] - PROVIDE SPOOL PIECE IF REQUIRED (24" LONG MIN.) 6" M.J. GATE VALVE (POSITION NEAREST TEE FITTING) -MECHANICAL JOINT RESTRAINTS (TYP)

4'x4' SQUARE x 6" THICK CONCRETE SLAB IMMEDIATELY BELOW BREAKABLE FLANGE (SEE NOTE 2) (3000 psi CONCRETE WITH #4 REBAR AT 12" O.C. EACH WAY).

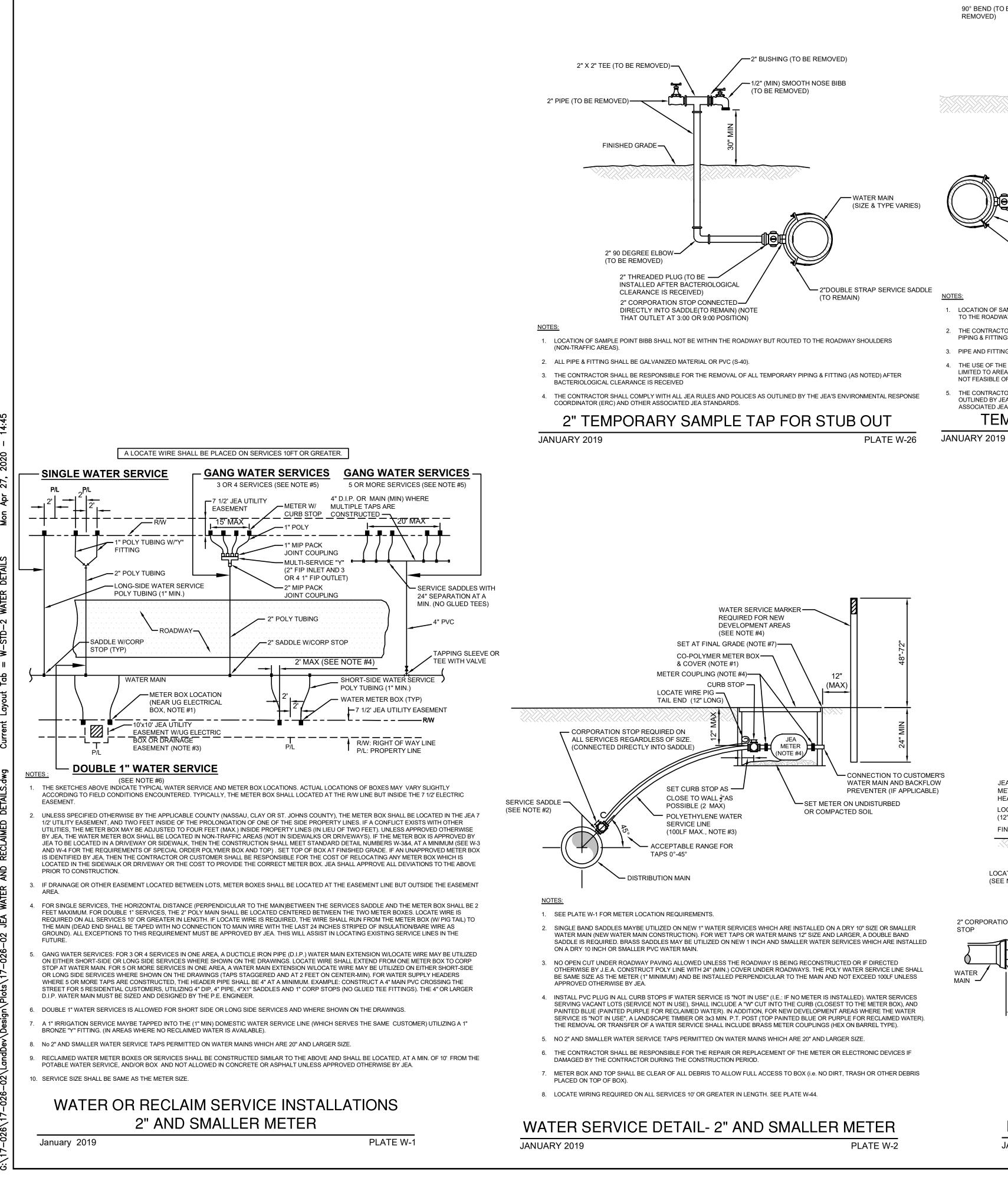
2. FIRE HYDRANTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK, ALL HYDRANTS SHALL BE LOCA NO LESS THAN THREE (3) FEET FROM THE EDGE OF PAVEMENT OR BACK OF CURB OF THE ADJACENT ROADWAY AND NO THAN THREE (3) FEET FROM ANY PHYSICAL FEATURE WHICH MAY OBSTRUCT ACCESS OR VIEW OF ANY HYDRANT UNLESS OTHERWISE APPROVED BY THE JEA. THE MAXIMUM DISTANCE (BACK OF CURB) SHALL BE IN COMPLIANCE WITH LOCAL CO FIRE DEPARTMENT RULES AND AS APPROVED BY JEA. FOR OTHER LOCATION LIMITATIONS SEE PLATES W-10 AND W-11. IF PIPING BETWEEN TEE AND HYDRANT IS LONGER THAN 80 LF, AN ADDITIONAL 6" GATE VALVE IS REQUIRED AT THE HYDRA LOCATION (PROVIDE 30" SEPARATION). ALL PIPING, VALVES AND FITTINGS ALONG THE HYDRANT BRANCH MAIN WHICH IS 15 LF OF THE HYDRANT SHALL BE RESTRAINED UTILIZING ONLY TWO 3/4" DIA (THREADED ENDS) STEEL RODS AND EYE BO (NO JOINT RESTRAINT DEVICES REQUIRED). A SPLIT SERRATED RING WITH RESTRAINT EARS (EBAA 15 PF06 or EQUAL) MA USED IN THIS ASSEMBLY. ALL OTHER JOINTS ALONG THE HYDRANT BRANCH MAIN OUTSIDE OF THE FIRST 15 LF SHALL INC

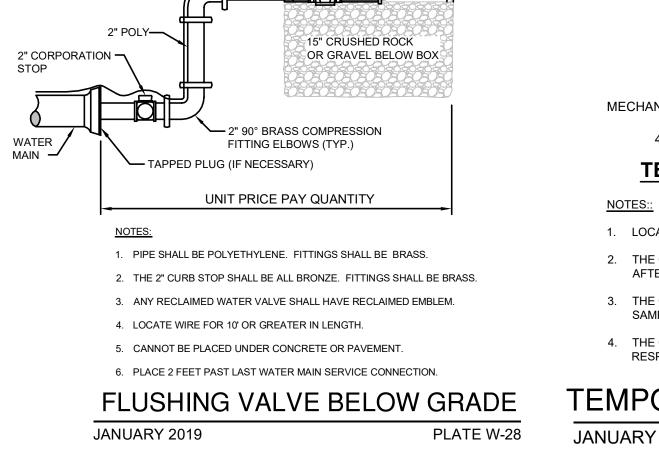
3. OPERATION OF THE FIRE HYDRANT SHALL BE EITHER FULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRAN

4. PRIOR TO PROJECT FINAL INSPECTION, THE HYDRANT AND ALL ABOVE GROUND PIPING SHALL BE RE-OILED, GREASED AN REPAINTED (RUS- KIL ENAMEL-INTERNATIONAL YELLOW OR EQUAL). PRIVATELY OWNED AND MAINTAINED FIRE HYDRANT

5. FIRE HYDRANTS SHALL BE ORDERED WITH PROPER "BURY DEPTH" TO MEET ACTUAL FIELD CONDITIONS. THIS IS ESPECIA IMPORTANT FOR BRANCH LINES WHICH TEE-OFF A 12" OR LARGER WATER MAIN. UNLESS APPROVED OTHERWISE BY JEA, INSTALLATION OF (45°) BENDS IS NOT ACCEPTABLE WHEN UTILIZED TO CORRECT AN IMPROPERLY FURNISHED HYDRANT

PLATE W-





90° BEND (TO BE -(TO BE REMOVED) REMOVED) WATER SHALL FLOW STRAIGHT DOWN (NOT ANGLE) -FINISHED GRADE └── PIPE (1⁄2" SIZE MIN.) (TO BE REMOVED) ROUTÉ TO ROADWAY SHOULDER IF REQUIRED (SEE NOTES) BUSHING IF REQ. (TO BE REMOVED) 1" THREADED PLUG (TO BE INSTALLED AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED) -90° DEGREE BEND (TO BE REMOVED) -1" CORPORATION STOP CONNECTED DIRECTLY INTO SADDLE (TO REMAIN) -1" WATER SERVICE SADDLE (TO REMAIN) (NOTE THAT OUTLET, AT 3:00 OR 9:00 POSITION) -WATER MAIN (SIZE & TYPE VARIES) NOTES 1. LOCATION OF SAMPLE POINT BIBB SHALL NOT BE WITHIN THE ROADWAY BUT ROUTED TO THE ROADWAY SHOULDERS (NON-TRAFFIC AREAS)

1" SERVICE SADDLE -W/ CORP

NOTES::

JANUARY 2019

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY

PLATE W-25

- 2" POLY WITH BRASS FITTING

¬2" BRASS, 90° ELBOW & PLUG

CLOSE NIPPLE

- SMOOTH HOSE BIBB

ASSOCIATED JEA STANDARDS.

- PIPING & FITTINGS (AS NOTED), AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.
- 3. PIPE AND FITTINGS SHALL BE PVC (SCH. 40) OR GALV. MATERIAL.

- 4. THE USE OF THE ABOVE CONSTRUCTION FOR A TEMPORARY SAMPLE POINT SHALL BE LIMITED TO AREAS WHERE A SAMPLE TAP BY ALTERNATIVE METHODS (SEE W-24) IS NOT FEASIBLE OR IF DIRECTED OTHERWISE BY JEA.
- THE CONTRACTOR SHALL COMPLY WITH ALL JEA RULES AND POLICIES AS AS

OUTLINED BY JEA'S ENVIRONMENTAL RESPONSE COORDINATOR (ERC) AND OTHER

TEMPORARY SAMPLE TAP

2" CURB STOP - FIP-

(SEE NOTE #2)

JEA STANDARD WATER

HEAVY DUTY IRON LID.

FINISHED GRADE -

(12" LONG)

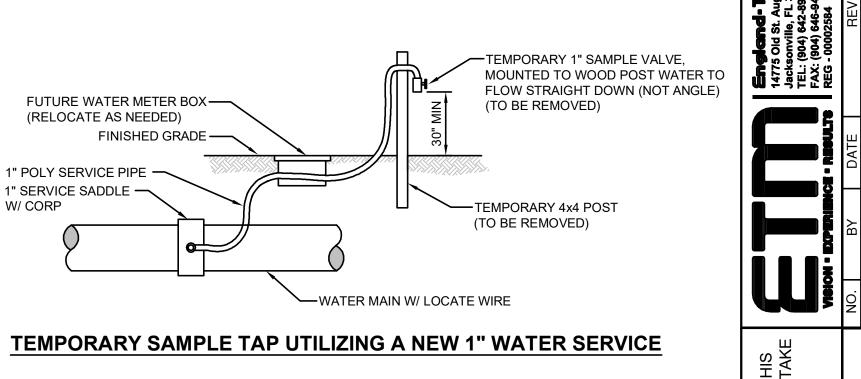
LOCATE WIRE-

(SEE NOTE #4)

LOCATE WIRE PIG TAIL END

2019 PLATE W-24A NAVD 88	BID	
ORARY SAMPLE TAP ALTERNATIVE METHOD B	DOO	CHEFTS
CONTRACTOR SHALL COMPLY WITH ALL JEA RULES AND POLICIES AS OUTLINED BY THE JEA'S ENVIRONMENTAL PONSE COORDINATOR (ERC) AND OTHER ASSOCIATED JEA STANDARDS.	COME	
CONTRACTOR SHALL UTILIZE THE ABOVE ALTERNATIVE METHODS FOR CONSTRUCTION OF TEMPORARY PLE POINTS IN ALL AREAS, WHERE POSSIBLE.		-

S EPTIC TANK PHAS E FORCE MAIN ER DETAILS - SMOOTH NOSE BIBB (1/2" MIN), WATER TO FLOW STRAIGHT DOWN (TO BE REMOVED) - 45° ELBOW & NIPPLES (1/2" MIN GALVANIZED) (TO BE REMOVED) SE TEI TEI - PLUG (TO BE REMOVED) SI — FINISHED GRADE WATER MAIN W/ LOCATE WIRE ш MECHANICAL RESTRAINT (TYP)-മ 45° BEND (TO BE REMOVED) -**TEMPORARY SAMPLE TAP UTILIZING PLUG AT FLUSHING LOCATION** 1. LOCATION OF SAMPLE POINT BIBB SHALL NOT BE WITHIN THE ROADWAY BUT ROUTED TO THE ROAD SHOULDERS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS (AS NOTED) AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.



NO N

THE J.E.A.

AS ≺ T

S B

AIL

THESE DE DRAWING NO EXCEP

ANAS

1. LOCATION OF SAMPLE POINT BIBB SHALL NOT BE WITHIN THE ROADWAY BUT ROUTED TO THE ROAD SHOULDERS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS (AS NOTED) AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.

THE CONTRACTOR SHALL UTILIZE THE ABOVE ALTERNATIVE METHODS FOR CONSTRUCTION OF TEMPORARY SAMPLE POINTS IN ALL AREAS, WHERE POSSIBLE.

4. THE CONTRACTOR SHALL COMPLY WITH ALL JEA RULES AND POLICIES AS OUTLINED BY THE JEA'S ENVIRONMENTAL RESPONSE COORDINATOR (ERC) AND OTHER ASSOCIATED JEA STANDARDS.

TEMPORARY SAMPLE TAP ALTERNATIVE METHOD A PLATE W-24

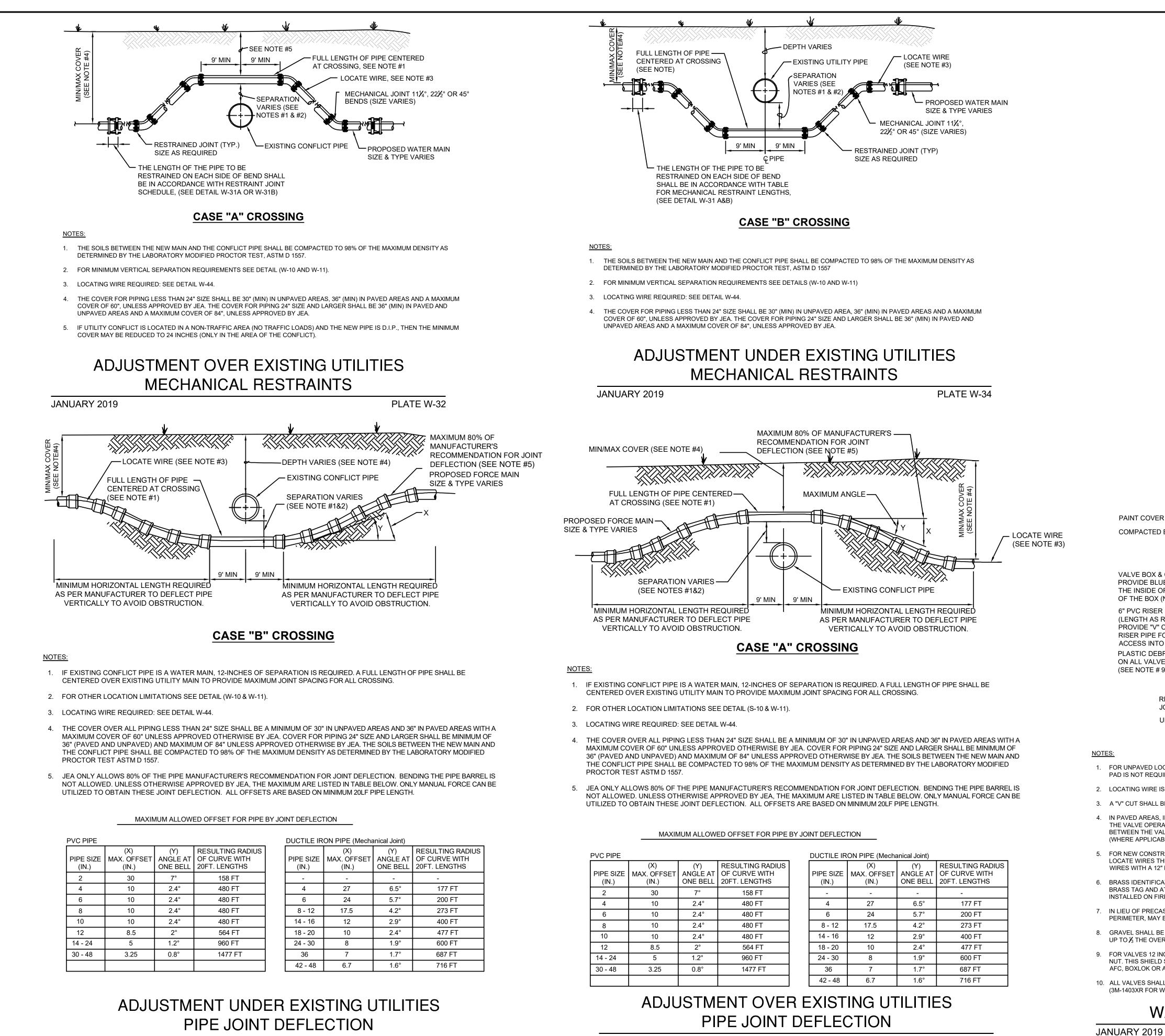


PLATE W-40

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLE	CTION
	011011

PVC PIPE			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
2	30	7°	158 FT
4	10	2.4°	480 FT
6	10	2.4°	480 FT
8	10	2.4°	480 FT
10	10	2.4°	480 FT
12	8.5	2°	564 FT
14 - 24	5	1.2°	960 FT
30 - 48	3.25	0.8°	1477 FT

DUCTILE IR	ON PIPE (Mecha	anical Joint)	
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
-	-	-	-
4	27	6.5°	177 FT
6	24	5.7°	200 FT
8 - 12	17.5	4.2°	273 FT
14 - 16	12	2.9°	400 FT
18 - 20	10	2.4°	477 FT
24 - 30	8	1.9°	600 FT
36	7	1.7°	687 FT
42 - 48	6.7	1.6°	716 FT

COMPACTED EARTH (TYP) -

VALVE BOX & COVER (TYP) -PROVIDE BLUE PAINT TO THE INSIDE OF THE TOP SECTION OF THE BOX (NOTE #5) 6" PVC RISER PIPE -(LENGTH AS REQUIRED) PROVIDE "V" CUT IN TOP OF 6" **RISER PIPE FOR LOCATE WIRE** ACCESS INTO VALVE BOX PLASTIC DEBRIS SHIELD REQUIRED -ON ALL VALVES 12" AND SMALLER (SEE NOTE # 9)

JOINT (TYP)

- 5. FOR NEW CONSTRUCTION, TH LOCATE WIRES THRU A "V" CL WIRES WITH A 12" LONG PIG-
- 6. BRASS IDENTIFICATION TAG I BRASS TAG AND ATTACH TAG INSTALLED ON FIRE HYDRAN
- 7. IN LIEU OF PRECAST CONCRE PERIMETER, MAY BE USED.
- 8. GRAVEL SHALL BE PROVIDED UP TO ⅓ THE OVERALL HEIGH
- 9. FOR VALVES 12 INCH AND SM NUT. THIS SHIELD SHALL CEN AFC, BOXLOK OR APPROVED
- 10. ALL VALVES SHALL BE INSTAL (3M-1403XR FOR WATER AND

JANUARY 2019

PLATE W-41



NAVD 88

PLATE W-18

HE VALVE BOX SHALL BE ADJUSTED TO MIDRANGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS. ROUTE JT IN THE TOP OF THE 6" PVC RISER PIPE FOR LOCATE WIRE ACCESS INTO VALVE BOX. THE LOCATE FAIL AT THE TOP SHALL BE CONNECTED TOGETHER WITH A WIRE NUT.
NDICATING "WATER", VALVE SIZE, DIRECTION AND TURNS TO OPEN & VALVE TYPE. PROVIDE A $\not\!\!\!/ 2$ " HOLE IN G (TWIST WIRE AROUND TAG) TO THE END OF THE LOCATE WIRE. TAGS ARE NOT REQUIRED ON VALVES BRANCH LINES.
TE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W/2 - #4 REBAR AROUND
UNDER ALL VALVES 20" AND LARGER. THE MINIMUM VERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE T OF THE VALVE.
ALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH INSTALLS BELOW THE OPERATING TER THE RISER PIPE BOX OVER THE OPERATING NUT AND MINIMIZE INFILTRATION. SHIELD SHALL BE BY EQUAL.
LED WITH AN ELECTRIC LOCATE MARKER. MARKER SHALL BE 4" DIA. COLOR CODED BALL MARKER 1408XR FOR RECLAIMED WATER).

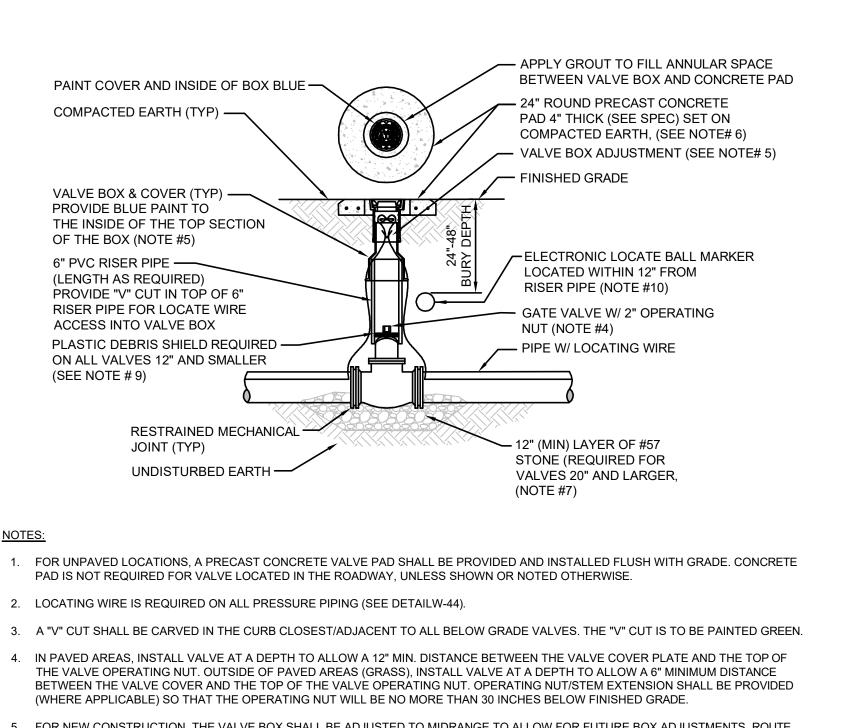
WATER VALVE INSTALLATION DETAIL

THESE DET DRAWING / NO EXCEP⁻ Ē ш EPTIC TANK PHASE E FORCE MAIN ER DETAILS SE TE OFFSI' ОF VERL ш മ

TAK

NO NO

ETAILS AS SHOWN C ARE BY THE J.E.A.



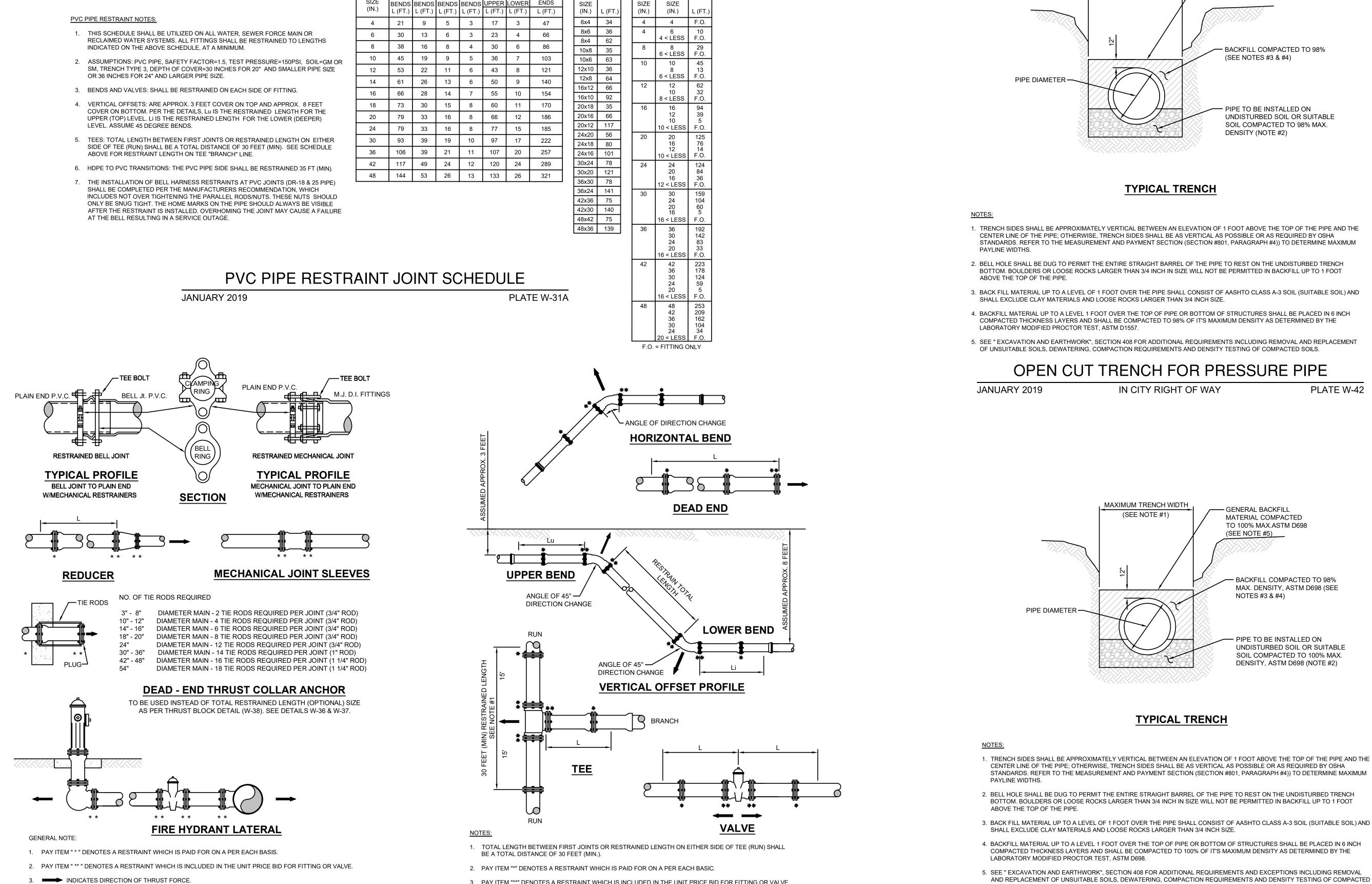
- RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THE ABOVE SCHEDULE, AT A MINIMUM.
- SM, TRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE.
- 4. VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET UPPER (TOP) LEVEL. LI IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
- ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.
- SHALL BE COMPLETED PER THE MANUFACTURERS RECOMMENDATION, WHICH INCLUDES NOT OVER TIGHTENING THE PARALLEL RODS/NUTS. THESE NUTS SHOULD ONLY BE SNUG TIGHT. THE HOME MARKS ON THE PIPE SHOULD ALWAYS BE VISIBLE AT THE BELL RESULTING IN A SERVICE OUTAGE.

MECHANICAL RESTRAINT DETAILS - I

LENGTH (L)	TO BE F	RESTRAI	NED	-			
NOMINAL		HORIZON	TAL BENDS	3	VERTICAL OFFSET 45° BENDS		
PIPE SIZE (IN.)	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)			
4	21	9	5	3	17	3	
6	30	13	6	3	23	4	
8	38	16	8	4	30	6	
10	45	19	9	5	36	7	
12	53	22	11	6	43	8	
14	61	26	13	6	50	9	
16	66	28	14	7	55	10	
18	73	30	15	8	60	11	
20	79	33	16	8	66	12	
24	79	33	16	8	77	15	
30	93	39	19	10	97	17	
36	106	39	21	11	107	20	
42	117	49	24	12	120	24	
48	144	53	26	13	133	26	

PLATE W-31C

JANUARY 2019



(SEE PLATE Nos. 38C & 38D FOR ADDITIONAL DETAILS)

SEE NOTE 5

RUN BRANCH

SIZE

REDUCERS

VALVES

OR DEAD

ENDS

JANUARY 2019

3. PAY ITEM "**" DENOTES A RESTRAINT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE.

MECHANICAL RESTRAINT DETAILS - II

PLATE W-31D

5. SEE " EXCAVATION AND EARTHWORK", SECTION 408 FOR ADDITIONAL REQUIREMENTS AND EXCEPTIONS INCLUDING REMOVAL AND REPLACEMENT OF UNSUITABLE SOILS, DEWATERING, COMPACTION REQUIREMENTS AND DENSITY TESTING OF COMPACTED **OPEN CUT TRENCH FOR PRESSURE PIPE**

TYPICAL TRENCH

JANUARY 2019

SOILS.

NAVD 88

IN STATE ROAD RIGHT -OF-WAY

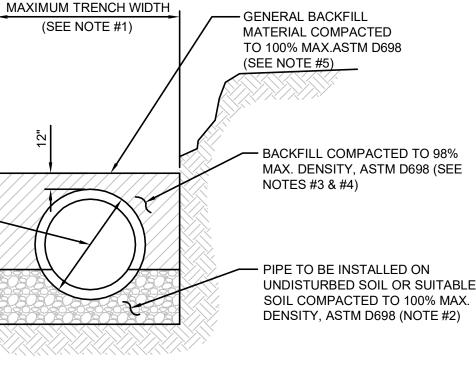
PLATE W-42A

2. BELL HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BOTTOM. BOULDERS OR LOOSE ROCKS LARGER THAN 3/4 INCH IN SIZE WILL NOT BE PERMITTED IN BACKFILL UP TO 1 FOOT

STANDARDS. REFER TO THE MEASUREMENT AND PAYMENT SECTION (SECTION #801, PARAGRAPH #4)) TO DETERMINE MAXIMUM

CENTER LINE OF THE PIPE; OTHERWISE, TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA

1. TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL BETWEEN AN ELEVATION OF 1 FOOT ABOVE THE TOP OF THE PIPE AND THE



OPEN CUT TRENCH FOR PRESSURE PIPE

IN CITY RIGHT OF WAY

MAXIMUM TRENCH WIDTH

(SEE NOTE #1)

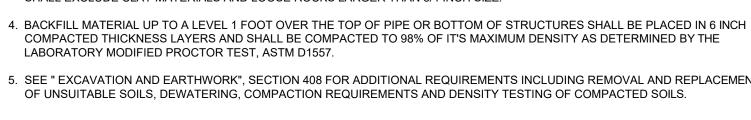
PLATE W-42









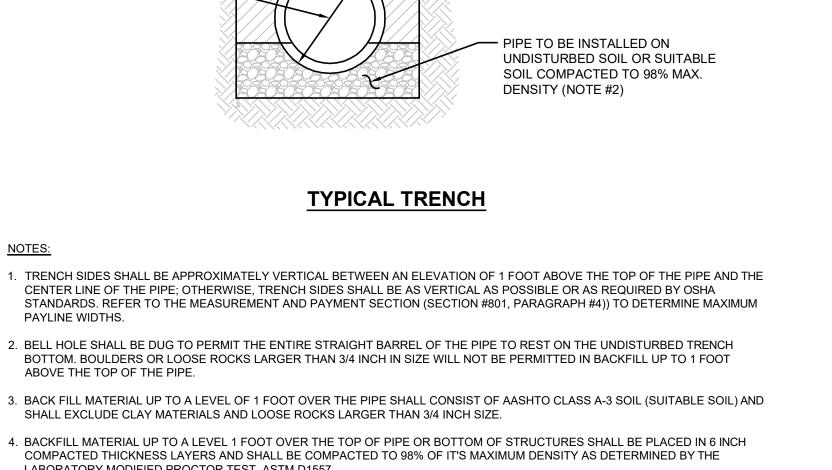


GENERAL BACKFILL

MATERIAL (SEE NOTE #5)

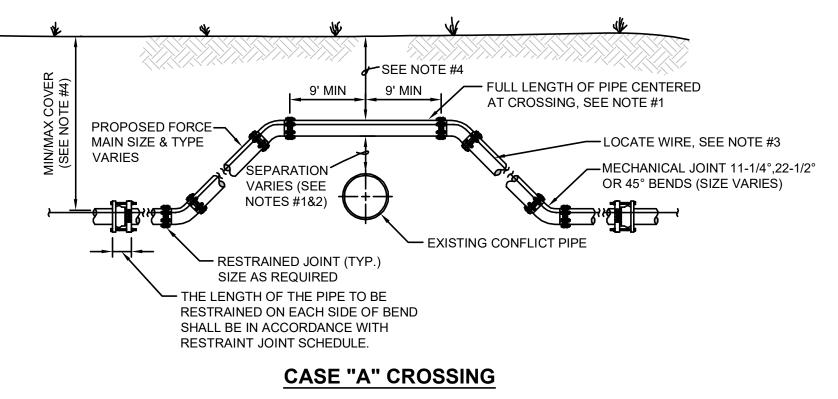
- BACKFILL COMPACTED TO 98%

(SEE NOTES #3 & #4)





2020



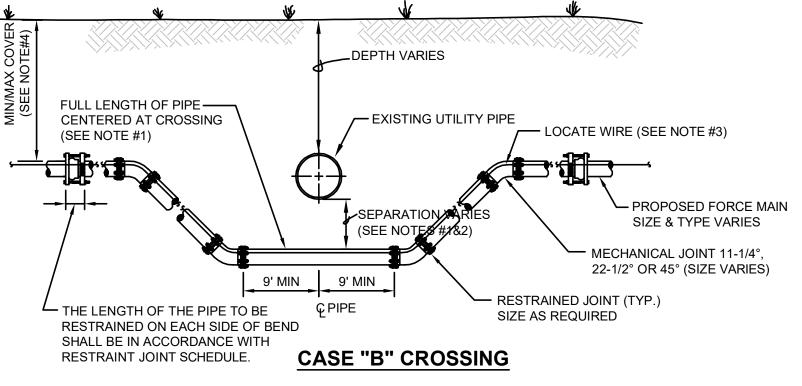
NOTES:

- 1. IF EXISTING CONFLICT PIPE IS A WATER OR RECLAIMED WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSINGS.
- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (S-26 & S-27).
- 3. LOCATING WIRE REQUIRED: SEE DETAIL S-49.
- 4. THE COVER FOR PIPING LESS THAN 24" SIZE SHALL BE 30" (MIN) IN UNPAVED AREAS, 36" (MIN) IN PAVED AREAS AND A MAXIMUM COVER OF 60", UNLESS PRE-APPROVED BY JEA. THE COVER FOR PIPING 24" SIZE AND LARGER SHALL BE 36" (MIN) IN PAVED AND UNPAVED AREAS AND A MAXIMUM COVER OF 84", UNLESS APPROVED BY JEA.
- 5. THE SOILS BETWEEN THE MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.

ADJUSTMENT OVER EXISTING UTILITIES MECHANICAL RESTRAINTS

JANUARY 2019

PLATE S-39



NOTES:

- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (S-26 & S-27).

- 3. LOCATING WIRE REQUIRED: SEE DETAIL S-49.

JANUARY 2019

NAVD 88	
---------	--

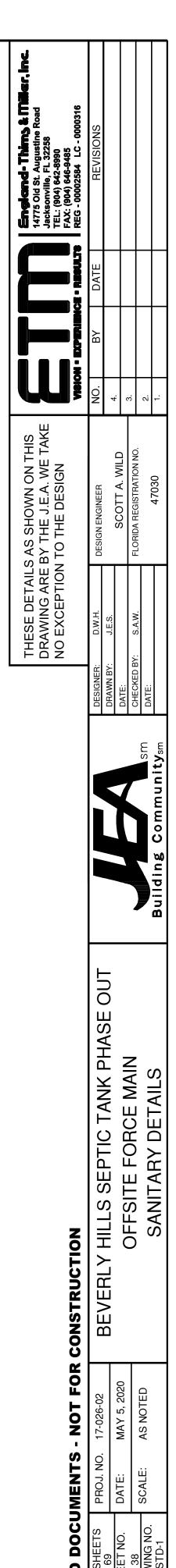
PLATE S-41

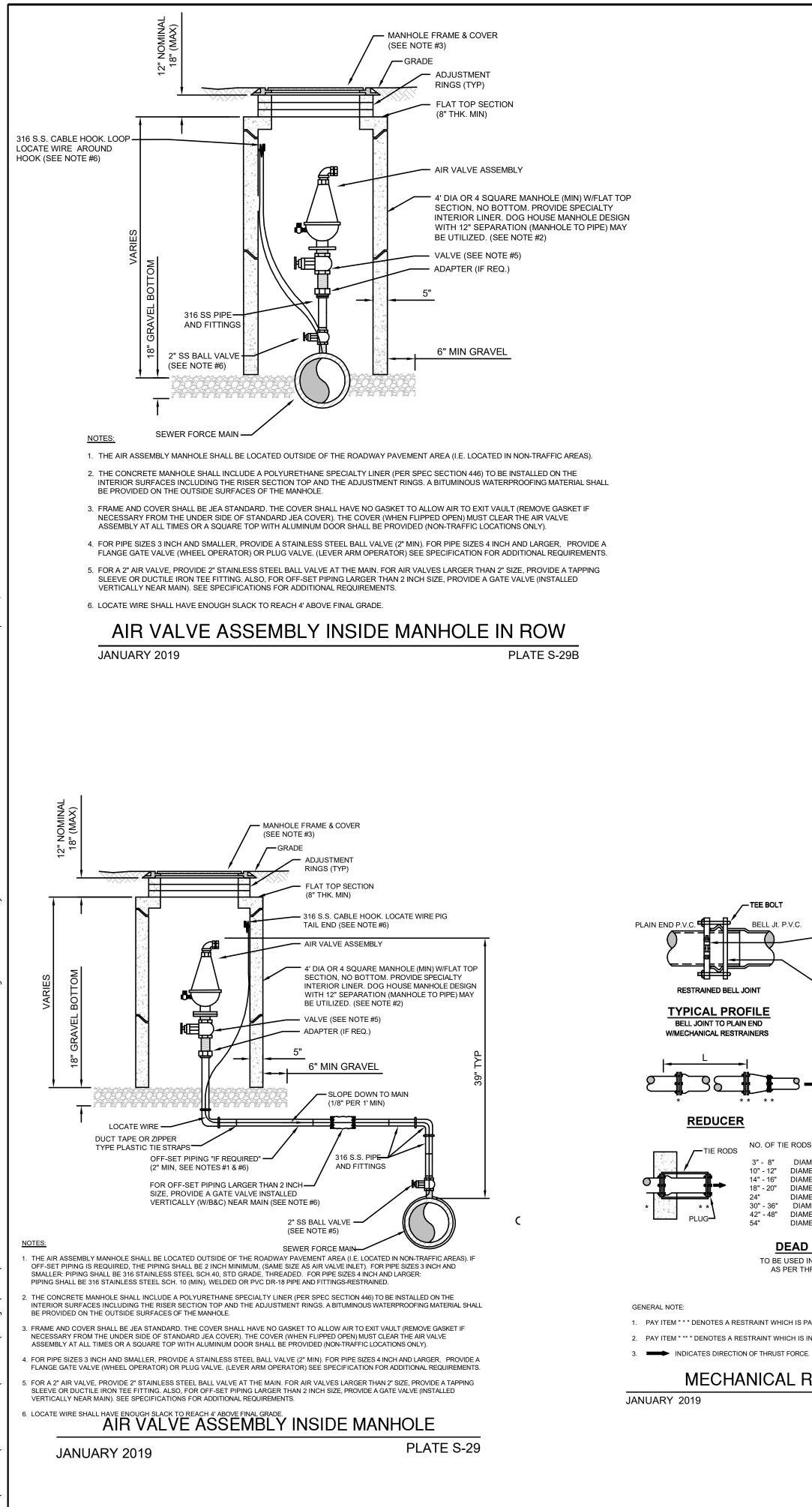
ADJUSTMENT UNDER EXISTING UTILITIES MECHANICAL RESTRAINTS

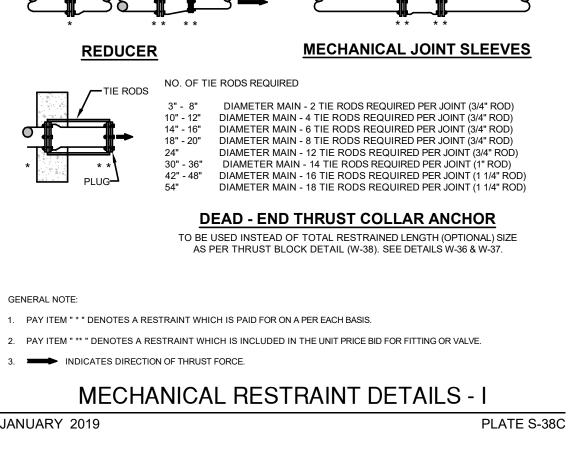
5. THE SOILS BETWEEN THE MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.

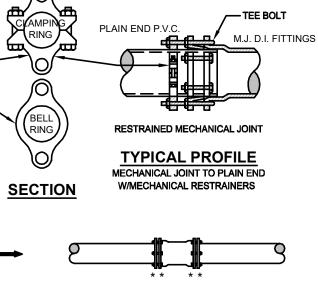
4. THE COVER FOR PIPING LESS THAN 24" SIZE SHALL BE 30" (MIN) IN UNPAVED AREAS, 36" (MIN) IN PAVED AREAS AND A MAXIMUM COVER OF 60", UNLESS PRE-APPROVED BY JEA. THE COVER FOR PIPING 24" SIZE AND LARGER SHALL BE 36" (MIN) IN PAVED AND UNPAVED AREAS AND A MAXIMUM COVER OF 84", UNLESS APPROVED BY JEA.

1. IF EXISTING CONFLICT PIPE IS A WATER OR RECLAIMED WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED.A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSINGS.







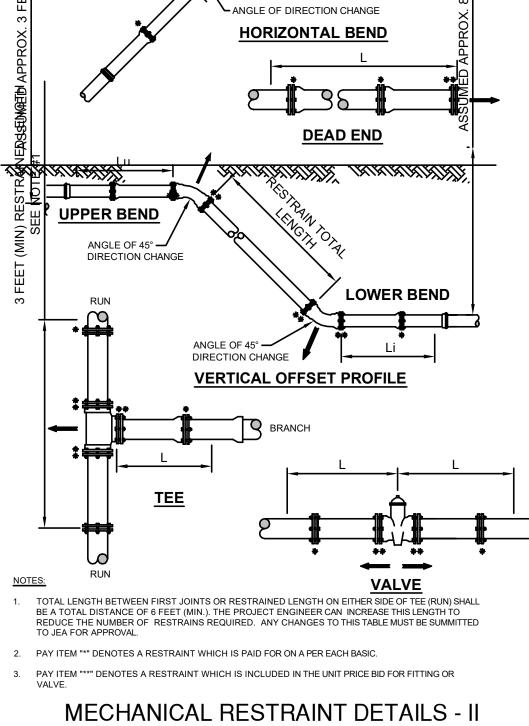


BELL Jt. P.V.C.

3" - 8"

10" - 12"

24"



1. THIS SCH

- RECLAIM INDICATE
- 2. ASSUMP SM, TREN OR 36 IN
- BENDS A
- 4. VERTICA COVER UPPER (
- LEVEL. A 5. TEES: TO
- SIDE OF ABOVE F
- 6. HDPE TO
- 7. THE INST SHALL BE INCLUDE ONLY BE AFTER T AT THE I

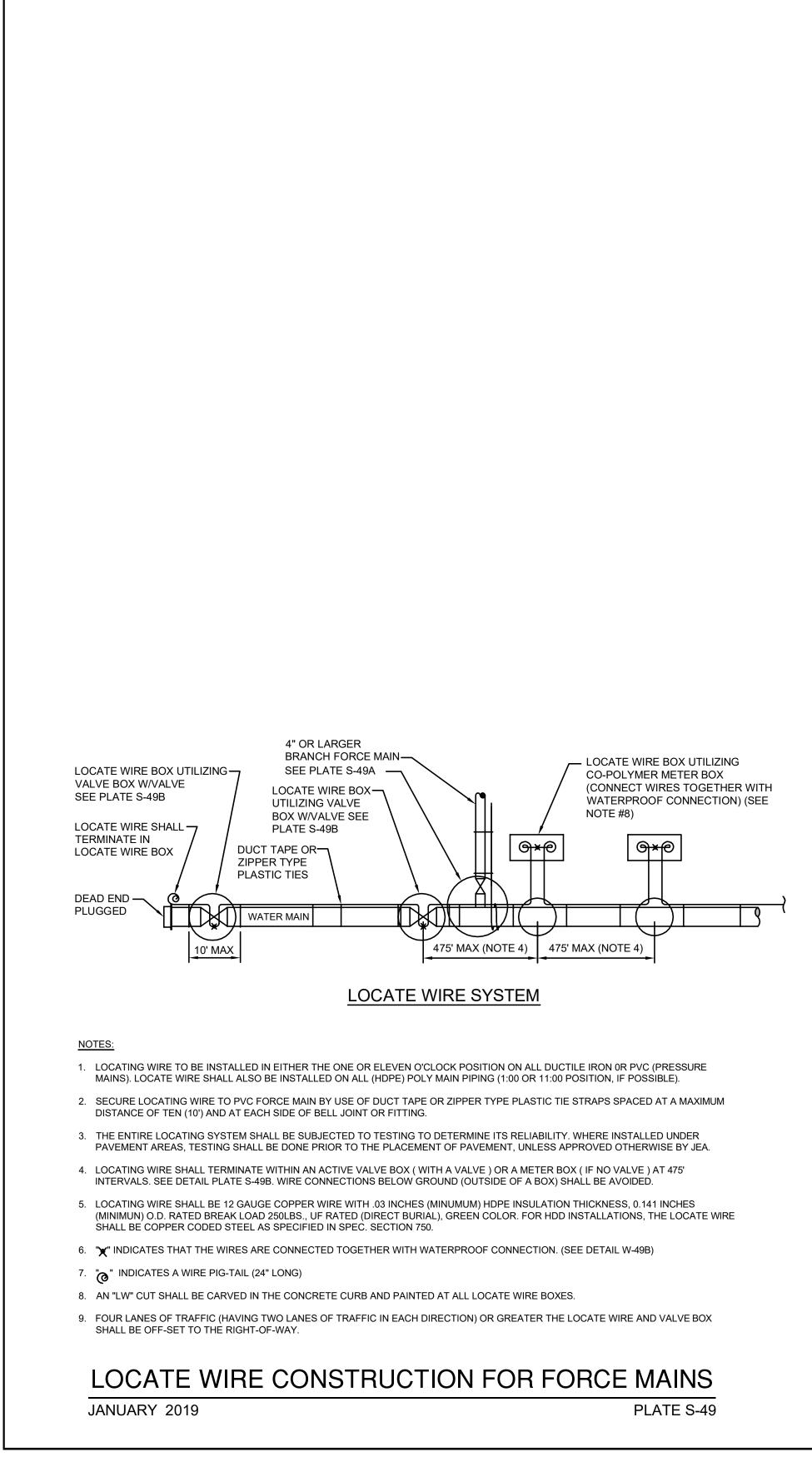
JANUAI

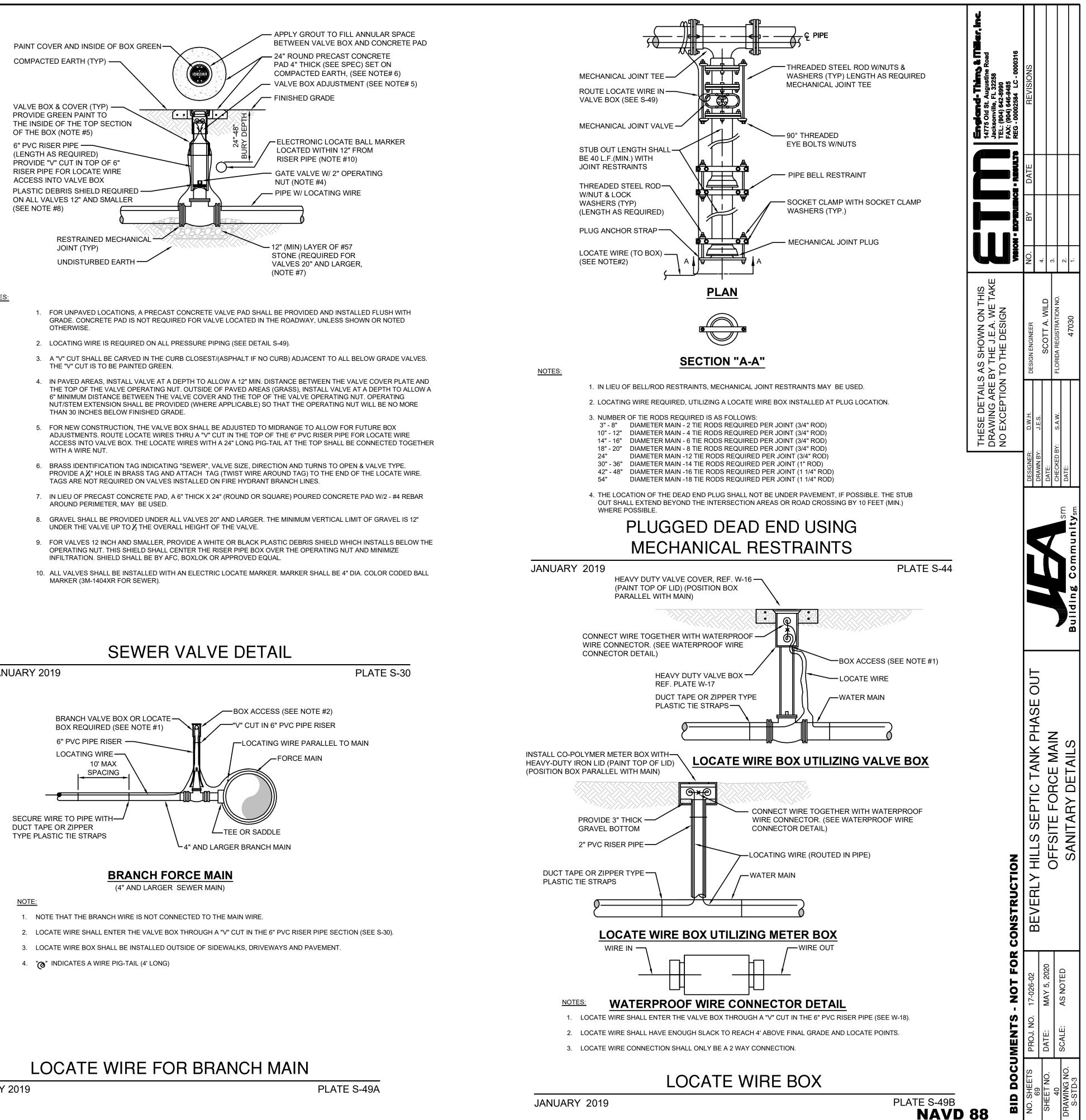
						(055								
) BE F	RESTRAI	NED	3	VERTICAL	OFFSETS	VALVES		. 38C & 38I JCERS	J FOR AD	DITIONAL DE TEES SEE NOTE 5	́	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
90°	45°	22.5°	11.25°	(SEE N	ENDS IOTE 4)	OR DEAD ENDS			RUN	BRANCH				
ENDS (FT.)	BENDS L (FT.)	BENDS L (FT.)	BENDS L (FT.)	UPPER L (FT.)	LOWER L (FT.)	ENDS L (FT.)	SIZE (IN.)	L (FT.)	SIZE (IN.)	SIZE (IN.)	L (FT.)	Road Road	- 0000316 DNS	
21	9	5	3	17	3	47	6x4 8x6	34 36	4	4	F.O. 10			
30 38	13 16	6 8	3	23 30	4 6	66 86	8x4	62		4 < LESS	F.O.		EVISIO	
38 45	16 19	8 9	4 5	30 36	6 7	86 103	10x8 10x6	35 63	8	8 6 < LESS	29 F.O.	Jand Old St. / onville, F 904) 646	- 00002584	
53	22	11	6	43	8	121	12x10	36	10	10 8 6 < LESS	45 13 F.O.			
61	26	13	6	50	9	140	12x8 16x12	64 66	12	12	62 32	HATT Jack FATT FATL		
66 73	28 30	14 15	7 8	55 60	10 11	154 170	16x10 20x18	92 35		10 8 < LESS	F.O.		┋┝┼╴	+++
79	33	16	8	66	12	186	20x18 20x16	35 66	16	16 12 10	94 39 5		DATE	
79	33	16	8	77	15	185	20x12 24x20	117 56		10 < LESS	F.O.			
93	39	19	10	97	17	222	24x20 24x18	80	20	20 16 12	125 76 14			
106	39 49	21 24	11 12	107 120	20 24	257 289	24x16 30x24	101 78		10 < LESS	F.O.		BY	
117 144	53	24	12	120	24 26	321	30x20	121	24	24 20 16	124 84 36			
							36x30 36x24	78 141	30	12 < LESS 30	F.O. 159			
							42x36	75	30	24	104 60		Ž	4 v. v. –
							42x30 48x42	140 75		20 16 16 < LESS	5 F.O.	'HIS TAKE		
	ALL FIT HEDULE,			RESTRA	AINED I C) LENGTHS	48x36	139	36	36 30	192 142	THIS		o g
						SI, SOIL=GI				24 20	83 33	N ON T A. WE SIGN		A. WILD RATION NO. 030
	F COVEF RGER PI			к 20" AN	ND SMAL	LER PIPE SI	ΖE		42	16 < LESS 42		DESI	VEER	ТТ А. V ыSTRATIO 47030
ALL BE	ERESTR	AINED C	N EACH	SIDE OF	FITTING	6.			72	36 30	178 124		DESIGN ENGINEER	SCOTT FLORIDA REGIST 47
										24 20	59 5		SIGN	
THE	RESTRA					H FOR THE (DEEPER)			48	16 < LESS 48	F.O. 253	I ∢ ≿ Ĕ	Ĩ	-
							-0			42 36	209 162	TAILS ARE B		
L BE A		DISTAN	CE OF 3	0 FEET (I		H ON EITHE				30 24	104 34	ESE DETAILS / WING ARE B) EXCEPTION T		
						D 35 FT (MIN)		F.O	20 < LESS = FITTING (THESE DRAWIN NO EXC	D.W.H.	S.A.W.
						R-18 & 25 PIF						THESE DETAILS DRAWING ARE F NO EXCEPTION		
ER TH	IE MANU	FACTUR	RERS RE	COMME	NDATION		,						VER:	ED BY:
HE HO	ME MAR	KS ON T	HE PIPE	SHOUL	D ALWAY	'S BE VISIBL AUSE A FAIL	E						DESIGNER: DRAWN BY	DATE: DATE: DATE: DATE:
	SERVICE													
P۱	ΡF	RF!	STF	RAI	NT.	JOIN	TSC	HFL)]	Ξ				ĘϜ
		· • • •	- 1	.,	、 、			-		– _ATE S-:	384			sm ity _{sm}
									Р	_ATE 5-,	38A			u n i
			X) NAL											K unuuo
			12" NOMINAL 18" (MAX)						DLE FRAME OTE #3)	& COVER				
			12" 18							TMENT				00
				- V			/ 	₽∕	RINGS	(TYP)				ildin
					6. 4 . 19		a de la companya de la compa	Ĺ		OP SECTION K. MIN)				
				I	Ň			14		. CABLE HOOP ID (SEE NOTE	K. LOCATE WIRE P #6)	PIG		~ 0
										LVE ASSEMBL	•	+	-	
							₹			OR 4 SQUARE	MANHOLE (MIN) V	N/FLAT TOP	∣∟	
		C	VARIES						SECTI INTER	ON, NO BOTTO OR LINER. DO	M. PROVIDE SPE G HOUSE MANHC	CIALTY DLE DESIGN	- DO	1
							\overline{Z}			2" SEPARATIC LIZED. (SEE NO	ON (MANHOLE TO DTE #2)	PIPE) MAY		
			GRAVEL		Ń		$\overline{\mathbb{D}}_{-}$	4		(SEE NOTE #5 ER (IF REQ.))	Z	ပ	
								949 - 4 94 - 4 - 4	5"			2" MIN	PHA	. –
			18"				∏∕ ⁻-			IN GRAVEL	_	0		' Al S
			+	<u> </u>	<u>.</u> 2727272	20202020202				SLOPE DOWN (1/8" PER 1' MII		BALL VALVE	ANK	FORCE MAIN RY DETAILS
			-								/ /	NOTE #6)	_ ⊢	сп : П
					OCATE WI								PTIC	n
						TIE STRAPS	NG "IF REQUIF	RED"		316 SS PIPE		<u>/</u>	ЪТ	Р Ч
						(2" MIN, SEE M	NOTES #1 & #5	i)		AND FITTING	ss (())	S Б	TE TA
						FOR OFF-SET SIZE, PROVID VERTICALLY	E A GATE VAL	VE INSTALL	ED		\searrow	/	ပ	FSITI ANIT,
									,	WER FORCE M		2		OFFSITE
	N	DTES:							56			AS). IF AL SHALL T IF	2 T	•
	1.	OFF-SET I	PIPING IS F	REQUIRED,	THE PIPING	G SHALL BE 2 IN	CH MINIMUM, (SAME SIZE A	S AIR VALVE		I NON-TRAFFIC ARE E SIZES 3 INCH AND ARGER [:]	AS). IF	<u>ר</u> אן ב	
		PIPING SH	ALL BE 31	6 STAINLES	SS STEEL S	CH. 10 (MIN), WI	ELDED OR PVC	DR-18 PIPE A	ND FITTINGS	RESTRAINED.			EVERI	İ
	2.	INTERIOR	SURFACE	S INCLUDIN	NG THE RIS		P AND THE AD				NSTALLED ON THE PROOFING MATERIA	AL SHALL		1
	3.										T (REMOVE GASKET R THE AIR VALVE		5 🖻	ł
		ASSEMBL	Y AT ALL T	IMES OR A	SQUARE T	OP WITH ALUMI	NUM DÓOR SH	ALL BE PROV	IDED (NON-T	RAFFIC LOCATIO	NS ONLY).	(2	· · · ·
	4.										AND LARGER, PRO DITIONAL REQUIRE	EMENTS.)	0
	5.	SLEEVE O	R DUCTILE	E IRON TEE	FITTING. A	LSO, FOR OFF-	SET PIPING LAP	RGER THAN 2			SIZE, PROVIDE A TAF VALVE (INSTALLED	PPING	-026-02	Y 5, 2020 NOTED
	6.			,		TIONS FOR ADE						ġ		
													17	AS
												u F	o z	iii
					OF	TIONA	LOV	V PRO	OFILE	-			PROJ. NO	DATE: SCALE:
		_	A	RVA	ALVE	ASSE	MBLY	INSI	DE M	ANHOI	E			ŭ j ŭ
		JANU	ARY 20	19							PLATE S-29A	Ā 5	S S	. ļ
													SHEETS 69	IEET NO. 39 WING NO
												6	ت ت م	기유 이혼은

JANUARY 2019

	LENGTH (L) TO BE I	RESTRA	INED				(SEE	PLATE Nos. 38C & 38D	FOR ADI	DITIONAL DETAILS)	y	Π		Π
	NOMINAL	90°	HORIZON		i	VERTICAL 45° B (SEE N	OFFSETS ENDS OTE 4)	VALVES OR DEAD	REDUCERS	RUN	TEES SEE NOTE 5 BRANCH	ار ال			
	SIZE (IN.)		BENDS	22.5° BENDS L (FT.)			LOWER L (FT.)	ENDS L (FT.)	SIZE (IN.) L (FT.)	SIZE (IN.)	SIZE (IN.) L (FT.)	ms & Mi ine Road 58 - 0000316			
	4	21	9	5	3	17	3	47	6x4 34 8x6 36	4	4 F.O. 6 10	hims justine R 32258 90 85 LC - 000	SIONS		
	6 8	30 38	13 16	6 8	3 4	23 30	4 6	66 86	8x4 62 10x8 35	8	4 < LESS F.O. 8 29	P D C S 4 -	REVISIONS		
	10	45	19	9	5	36	7	103	10x6 63 12x10 36	10	6 < LESS F.O. 10 45 8 13	jand old St. Au sonville, FL (904) 646-9 (904) 646-9			
	12 14	53 61	22 26	11 13	6 6	43 50	8 9	121 140	12x8 64	12	6 < LESS F.O. 12 62	Lacks Jacks FAX: FAX: REG			
	16	66	28	14	7	55	10	154	16x12 66 16x10 92		10 32 8 < LESS F.O.	<u> </u>	\vdash		\square
	18 20	73 79	30 33	15 16	8 8	60 66	11 12	170 186	20x183520x1666	16	16 94 12 39 10 5		DATE		
	24	79	33	16	8	77	15	185	20x12 117 24x20 56	20	10 < LESS F.O. 20 125				
	30 36	93 106	39 39	19 21	10 11	97 107	17 20	222 257	24x18 80 24x16 101		16 76 12 14 10 < LESS F.O.		Bγ		
	42	117	49	24	12	120	24	289	30x24 78 30x20 121	24	24 124 20 84				
	48	144	53	26	13	133	26	321	36x30 78 36x24 141		16 36 12 < LESS F.O.			++-	
PVC PIPE RESTR	RAINT NOTE	<u>S:</u>							42x36 75	30	30 159 24 104 20 60 16 5		S .	4 κ. γ.	
	EDULE SHAL D WATER S								48x42 75		16 < LESS F.O.	'HIS TAKE			
									48x36 139	36	36 192 30 142 24 83	⊢		A. WILD RATION NO.	
SM, TRENO	IONS: PVC P CH TYPE 3, [HES FOR 24'	DEPTH C	OF COVE	R=30 INC	HES FO						20 33 16 < LESS F.O.		ER	T A. V	47030
	D VALVES: 8					SIDE OF	FITTING	6.		42	42 223 36 178 30 124	SHOWN He J.e./ The de:/	DESIGN ENGINEER	SCOTT FLORIDA REGIST	4
	OFFSETS: A N BOTTOM. F										24 59 20 5	S I C	ESIGN		
UPPER (TO	OP) LEVEL. L SUME 45 DE	i IS THE	RESTRA							48	16 < LESS F.O. 48 253 42 209	TAILS A ARE BY TION TO			Г
	AL LENGTH EE (RUN) SH										36 162 30 104	DETA VG AR SEPTIC			
ABOVE FO	R RESTRAIN	NT LENG	TH ON T	EE "BRA	NCH" LIN	NE.	/iiii). OL		-	F O	24 34 20 < LESS F.O. = FITTING ONLY	SE D WING XCE	D.W.H. J.E.S.	S.A.W.	
 HDPE TO F THE INSTA 									·	1.0.		THESE DETAILS DRAWING ARE F NO EXCEPTION		s s s s s s s s s s s s s s s s s s s	
SHALL BE INCLUDES	COMPLETED) PER TH TIGHTEN	HE MANU	JFACTUF E PARAL	RERS RE LEL ROD	COMMEN S/NUTS	NDATION THESE	I, WHICH NUTS SHOL	LD		I		NER: N BY:	KED BY	
AFTER TH	NUG TIGHT E RESTRAIN LL RESULTI	T IS INS	TALLED.	OVERH	OMING T	E SHOULI HE JOIN	D ALWAY F MAY C	'S BE VISIBL AUSE A FAIL	E URE				DESIGNER: DRAWN BY	DATE: CHECKED I DATE:	i
AT THE BE						~ ^ / •					_			<u></u>	<u> </u>
	PVC	; PI	PE	RE	SIF	AI		JOIN	T SCHED	ULE	=			sm	ı n i ty _{sm}
JANUAR'	Y 2019									Pl	LATE S-38A			7	unit
					XX)									*	n m m
					12" NOMINAL 18" (MAX)				MANHOL (SEE NO	E FRAME TE #3)	& COVER				S
					12				GRA	DE — ADJUS RINGS					ng
						- V					OP SECTION				Buildi
-					Ì	t	N			,	. CABLE HOOK. LOCATE WIRE PIG				Βu
										TAIL EN	ND (SEE NOTE #6)	A			
						1					DR 4 SQUARE MANHOLE (MIN) W/FLAT TO	OP	∣∟		
					VARIES					SECTIO	DN, NO BOTTOM. PROVIDE SPECIALTY OR LINER. DOG HOUSE MANHOLE DESIC 2" SEPARATION (MANHOLE TO PIPE) MA	GN	OUT		
							Ň	0		BE UTII	(SEE NOTE #5)				
ć -					GRAVEL						ER (IF REQ.)	22" MIN	PHASE		
<u>}.</u>					18" G			1	7- -	5" 6" MI	IN GRAVEL	22'		MAIN	S
					•		<u>.</u> 2505050	202020202020			SLOPE DOWN TO MAIN (1/8" PER 1' MIN)2" SS BALL VAL	VE	ANK	Ž,	AIL
											(SEE NOTE #6)			ШU	Ц
						DUCT	CATE WI	ZIPPER		/			PTIC	$\overline{\frown}$	
<u> </u>						TYPE		TIE STRAPS OFF-SET PIPI (2" MIN, SEE N	NG "IF REQUIRED"	/	316 SS PIPE AND FITTINGS		SEP		АНҮ
0								SIZE, PROVID	PIPING LARGER THAN 2 IN E A GATE VALVE INSTALLE	C			S S	SIT	Z
								VERTICALLY (W/B&C) NEAR MAIN (SEE N	,		Z	HILL		SA
			-	OTES: THE AIR 4		MANHOLE					(I.E. LOCATED IN NON-TRAFFIC AREAS). IF	LIO	L .	Ŭ	
			1.	OFF-SET SMALLER	PIPING IS F : PIPING SH	REQUIRED, HALL BE 316	THE PIPING STAINLES	SHALL BE 2 IN S STEEL SCH.40		AIR VALVE I OR PIPE SIZ	NLET). FOR PIPE SIZES 3 INCH AND ES 4 INCH AND LARGER:	<u>.</u> C	EVERLY		
			2.	THE CON	CRETE MA	NHOLE SHA S INCLUDIN	LL INCLUD	E A POLYURETH ER SECTION TO	IANE SPECIALTY LINER (PER P AND THE ADJUSTMENT RIN	SPEC SECT	TION 446) TO BE INSTALLED ON THE MINOUS WATERPROOFING MATERIAL SHALL)TR	×		
			3.	FRAME AI	ND COVER	SHALL BE J	EA STAND		R SHALL HAVE NO GASKET T		IR TO EXIT VAULT (REMOVE GASKET IF	ONSTRUCTION	BE		
*			٨	ASSEMBL	Y AT ALL T	IMES OR A	SQUARE T	OP WITH ALUMI	NUM DÓOR SHALL BE PROVID	ED (NON-TF	EN) MUST CLEAR THE AIR VALVE RAFFIC LOCATIONS ONLY). PE SIZES 4 INCH AND LARGER, PROVIDE A	R CC	┣,	<u> </u>	
				FLANGE (GATE VALV	E (WHEEL C	PERATOR	OR PLUG VALV	E. (LEVER ARM OPERATOR) S	EÉ SPECIF	PE SIZES 4 INCH AND LARGER, PROVIDE A ICATION FOR ADDITIONAL REQUIREMENTS. IRGER THAN 2" SIZE, PROVIDE A TAPPING	FOF		2020 ED	
IALL				SLEEVE C	OR DUCTILE	E IRON TEE //AIN). SEE \$	FITTING. A	LSO, FOR OFF- TIONS FOR ADD	ET PIPING LARGER THAN 2 II TIONAL REQUIREMENTS.		ROVIDE A GATE VALVE (INSTALLED	OT	-026-02	<u>0</u> 1	
			6.	LOCATE V	VIRE SHAL	L HAVE ENC	OUGH SLAC	K TO REACH 4'	ABOVE FINAL GRADE.			Ž	17-0	MAY AS N	
												TS	N N		
П					. -				L LOW PRC			N E	PROJ.	DATE: SCALE:	
PLATE S-38D				14 111	AI ARY 20		NLVE	ASSE	MBLY INSIC	א שע ע	PLATE S-29A	DOCUMENT	┝╧┙		
				JANU	איז 20	U					FLATE 3-29A	000	SHEETS 69	EET NO. 39 WING NO.	2.5
													SHE 69		STC

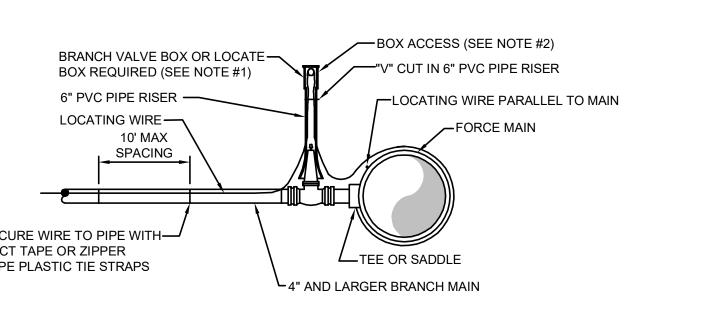
NAVD 88



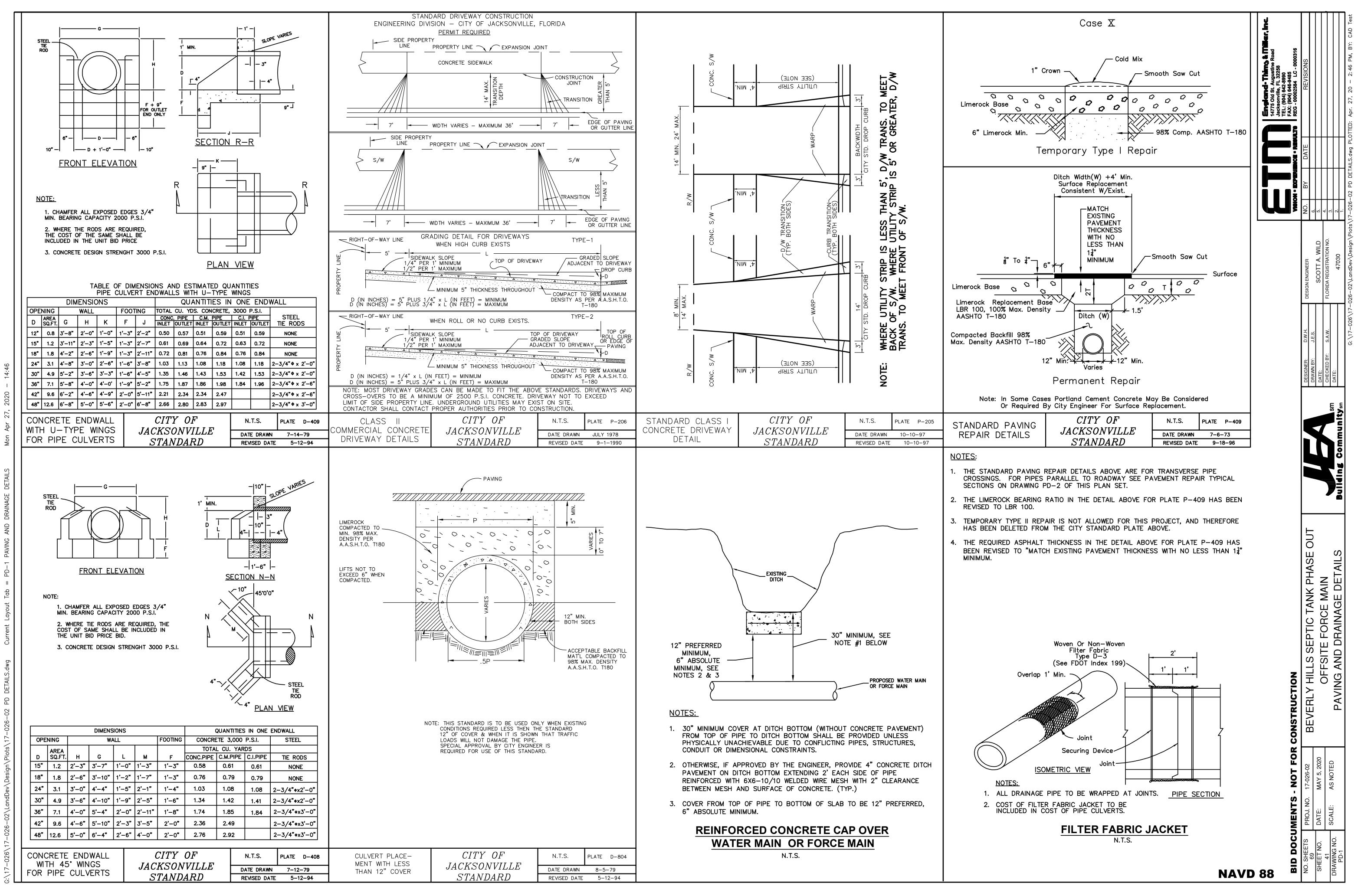


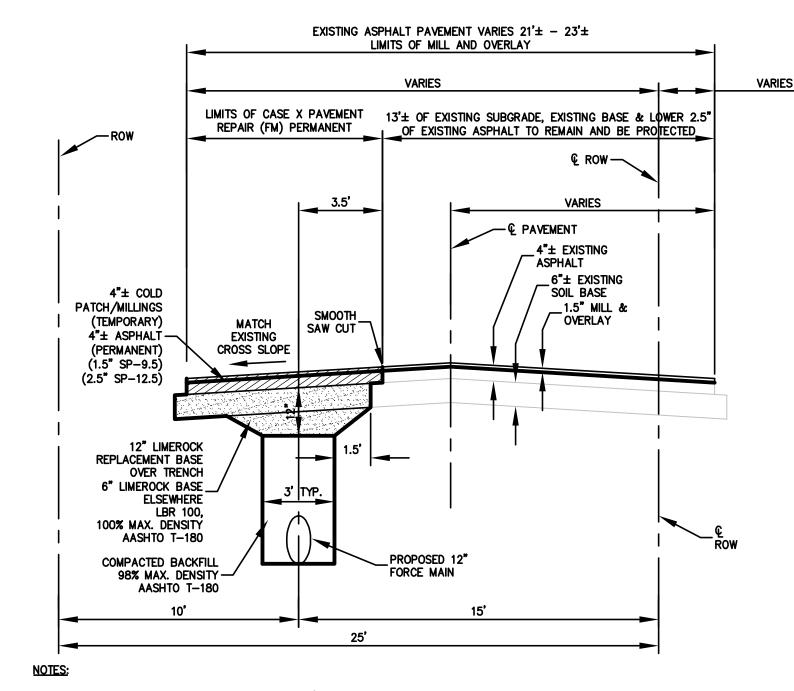
NOTES:





JANUARY 2019





1. LIMEROCK REPLACEMENT BASE & COLD PATCH/MILLINGS SHALL BE INSTALLED ON THE SAME DAY AS PIPE INSTALLATION.

2. CONTRACTOR SHALL MAINTAIN COLD PATCH/MILLINGS TO PROVIDE A SMOOTH DRIVEABLE SURFACE AT ALL TIMES.

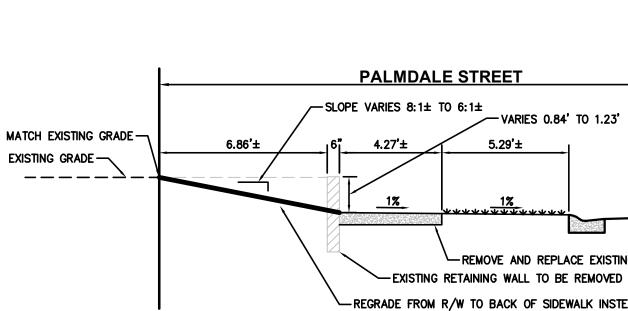
- 3. COLD PATCH/MILLINGS TO BE REMOVED & REPLACED WITH THE FIRST 2.5" + OF PERMANENT SP-12.5 ASPHALT AT ANY TIME. THE REMAINING TOP 1.5" OF PERMANENT SP-9.5 ASPHALT WITHIN REPAIR AREA SHALL BE PLACED CONCURRENT WITH 1.5" MILL & OVERLAY OPERATION.
- 4. PAYMENT FOR COLD PATCH/MILLINGS & FIRST 2.5" OF SP-12.5 ASPHALT SHALL BE INCLUDED IN COST OF "CASE X PAVEMENT REPAIR PERMANENT". PAYMENT FOR REMAINING 1.5" OF SP-9.5 SHALL BE INCLUDED IN COST OF "1.5" MILL & OVERLAY".

5. EXISTING PAVEMENT & SOIL BASE THICKNESS ARE FROM GEOTECHNICAL REPORT PREPARED BY MESKEL & ASSOCIATES ENGINEERING DATED NOVEMBER 1, 2019 AS SHOWN ON PLANS AND SUMMARIZED BELOW:

BORING	PAVEMENT	SOIL BASE
NUMBER	THICKNESS	THICKNESS
B-7	5"	7"
B-8	4"	6"
B-9	3 ¾"	6 "
B-10	3¼"	6¼"
	•	•

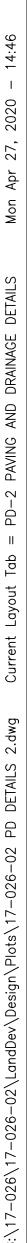
ORIOLE STREET PAVEMENT REPAIR TYPICAL SECTION STA. 300+00± TO STA. 306+00±

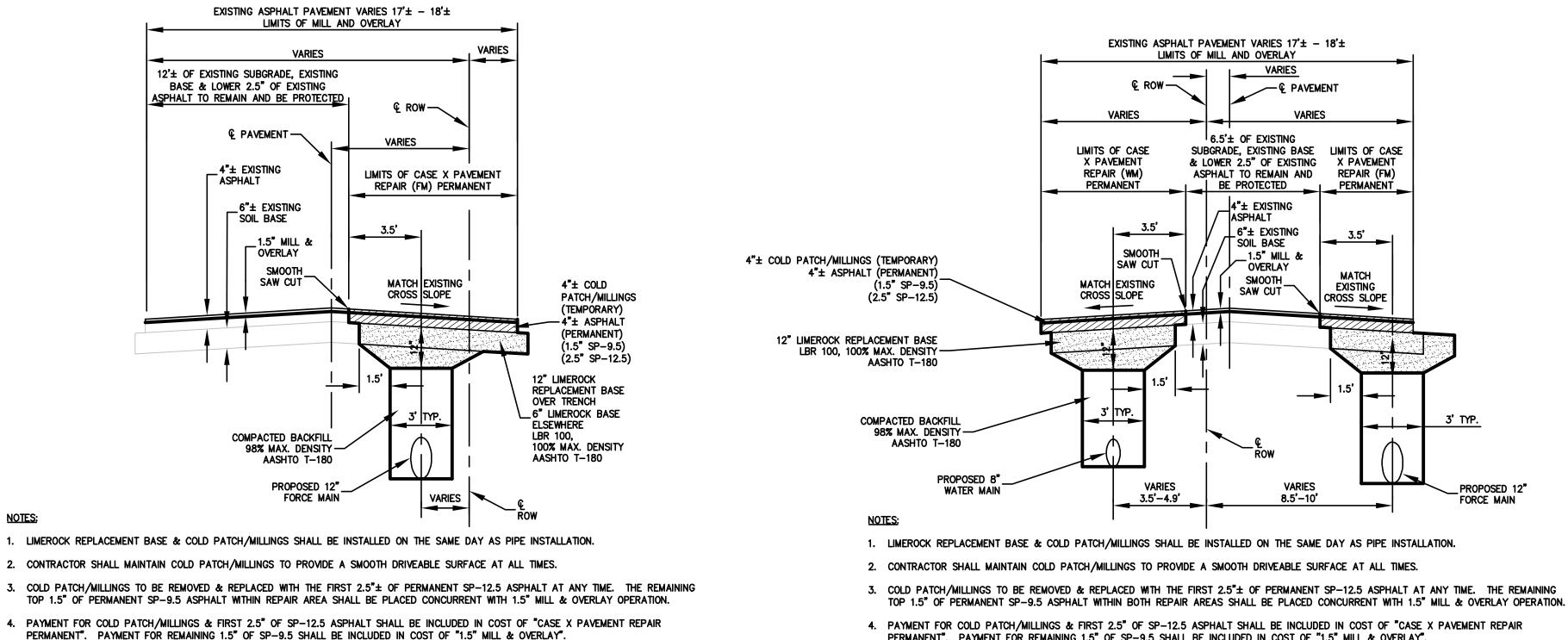
N.T.S.



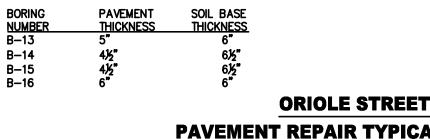
REGRADE EXISTING RIGHT-OF-WAY INSTEAD OF REPLACING RETAINING WALL (BID ALTERNATE)

N.T.S.





EXISTING PAVEMENT & SOIL BASE THICKNESS ARE FROM GEOTECHNICAL REPORT PREPARED BY MESKEL & ASSOCIATES ENGINEERING DATED NOVEMBER 1, 2019 AS SHOWN ON PLANS AND SUMMARIZED BELOW:



NOTES:

5

PAVEMENT REPAIR TYPICAL SECTION STA. 311+00± TO STA. 318+00± N.T.S.

PAVEMENT

THICKNESS

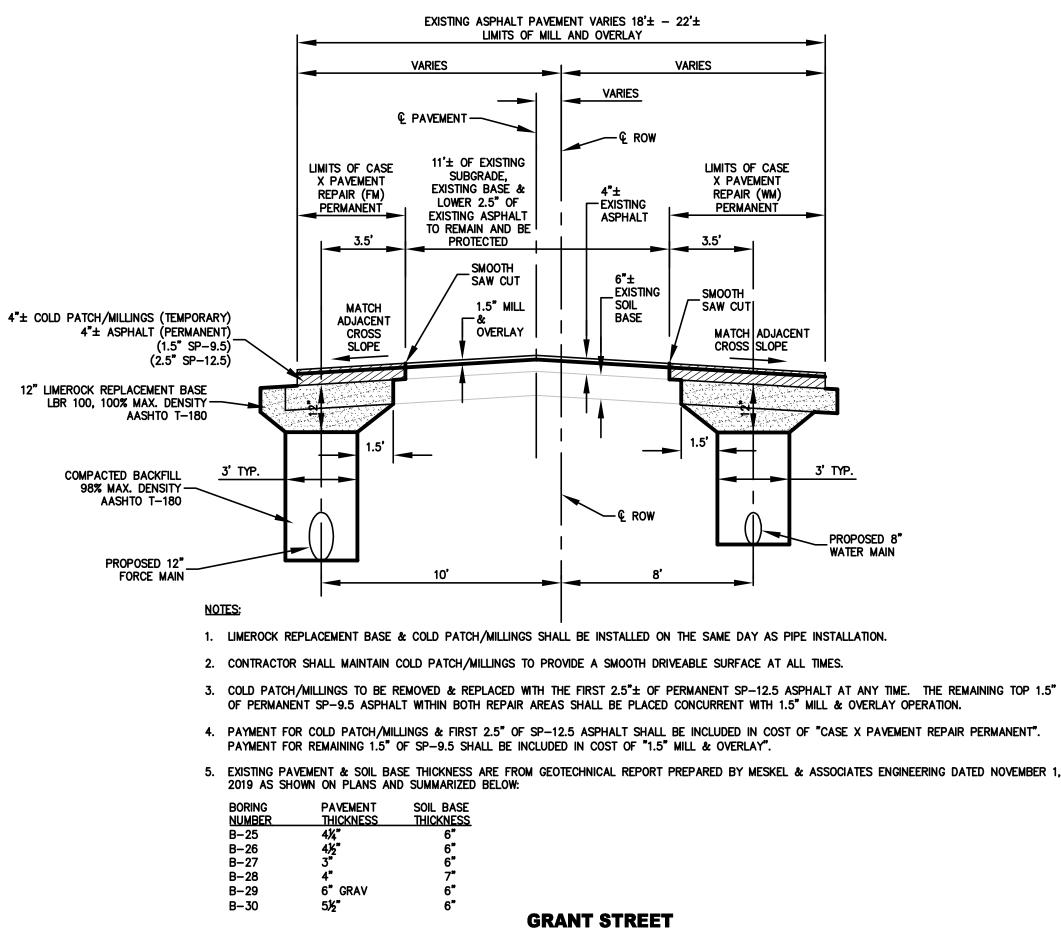
BORIN

NUMBE

B-17

B–18

B–19



- REMOVE AND REPLACE EXISTING SIDEWALK
- -REGRADE FROM R/W TO BACK OF SIDEWALK INSTEAD OF REPLACING RETAINING WALL

PERMANENT". PAYMENT FOR REMAINING 1.5" OF SP-9.5 SHALL BE INCLUDED IN COST OF "1.5" MILL & OVERLAY".

5. EXISTING PAVEMENT & SOIL BASE THICKNESS ARE FROM GEOTECHNICAL REPORT PREPARED BY MESKEL & ASSOCIATES ENGINEERING DATED NOVEMBER 1, 2019 AS SHOWN ON PLANS AND SUMMARIZED BELOW: SOIL BASE

THICKNESS

ORIOLE STREET PAVEMENT REPAIR TYPICAL SECTION

STA. 318+00± TO STA. 322+00±

N.T.S.

PAVEMENT REPAIR TYPICAL SECTION N.T.S.

2 ° F C I

 \triangleleft

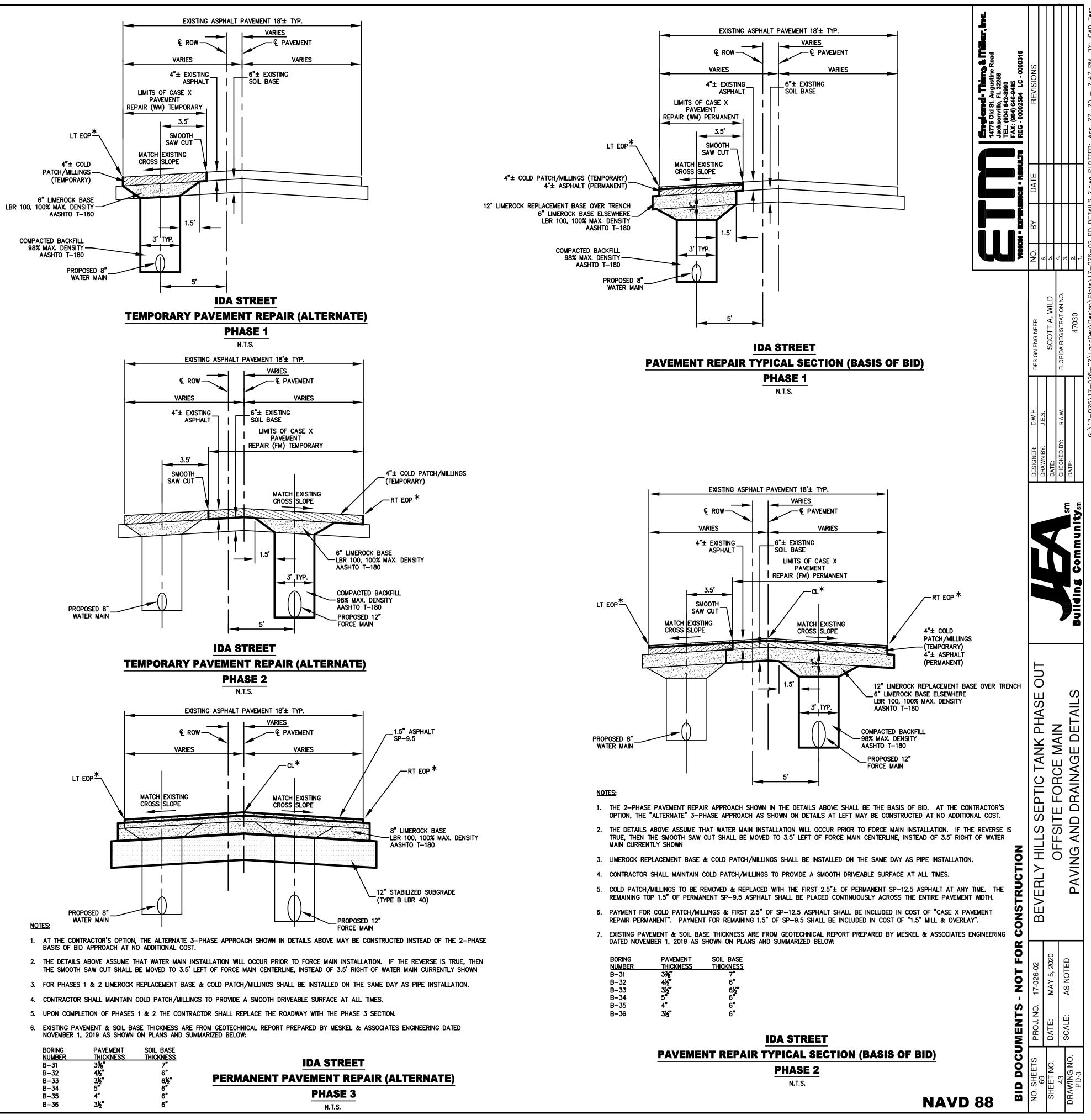
.NO PHASE All ' HILLS SEPTIC TANK PH, OFFSITE FORCE MAIN NG AND DRAINAGE DET, ОF **丫** A V Ω ш >Ш L D AN SH

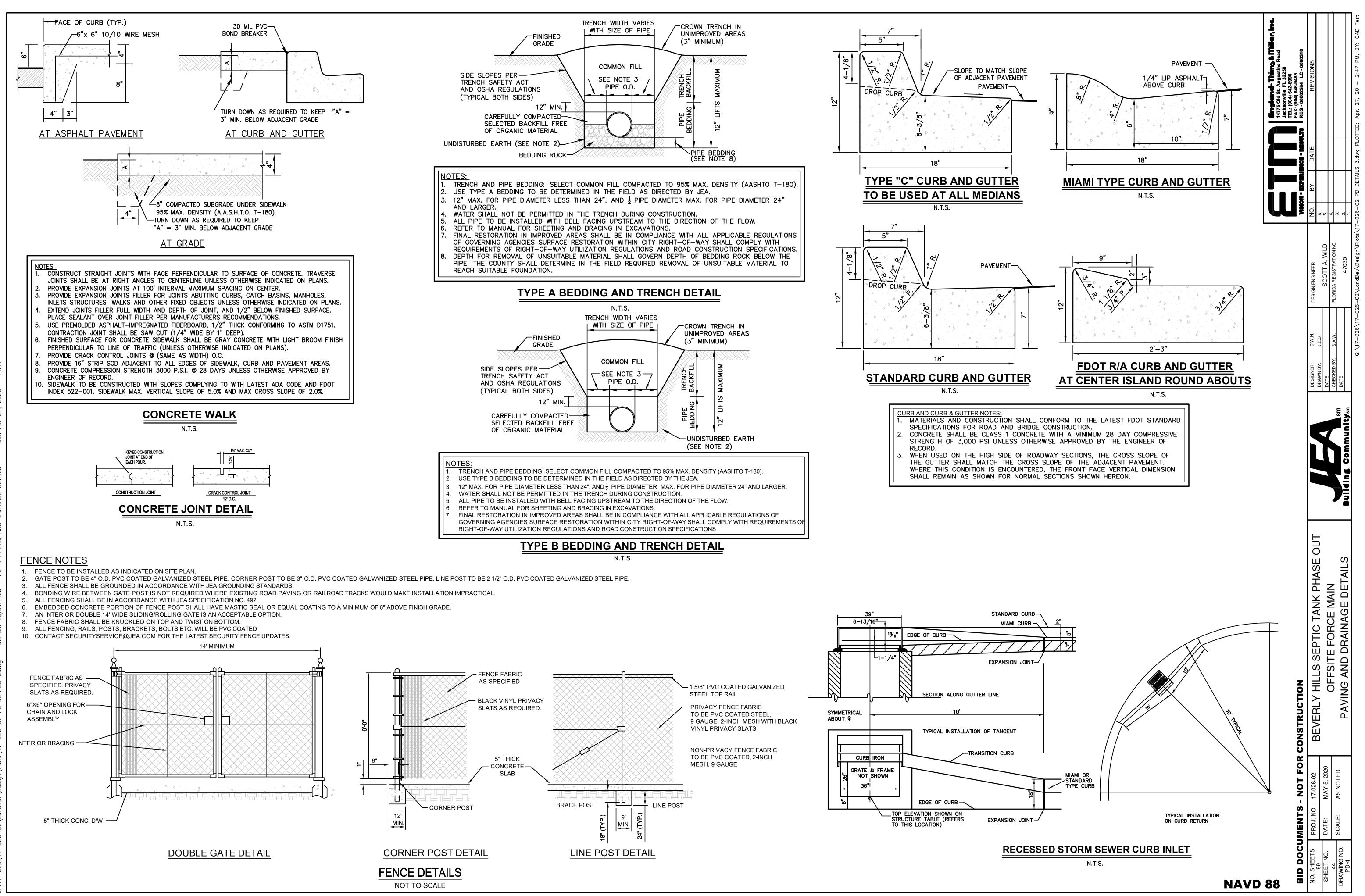
NAVD 88	N	Α	V	D	88
---------	---	---	---	---	----

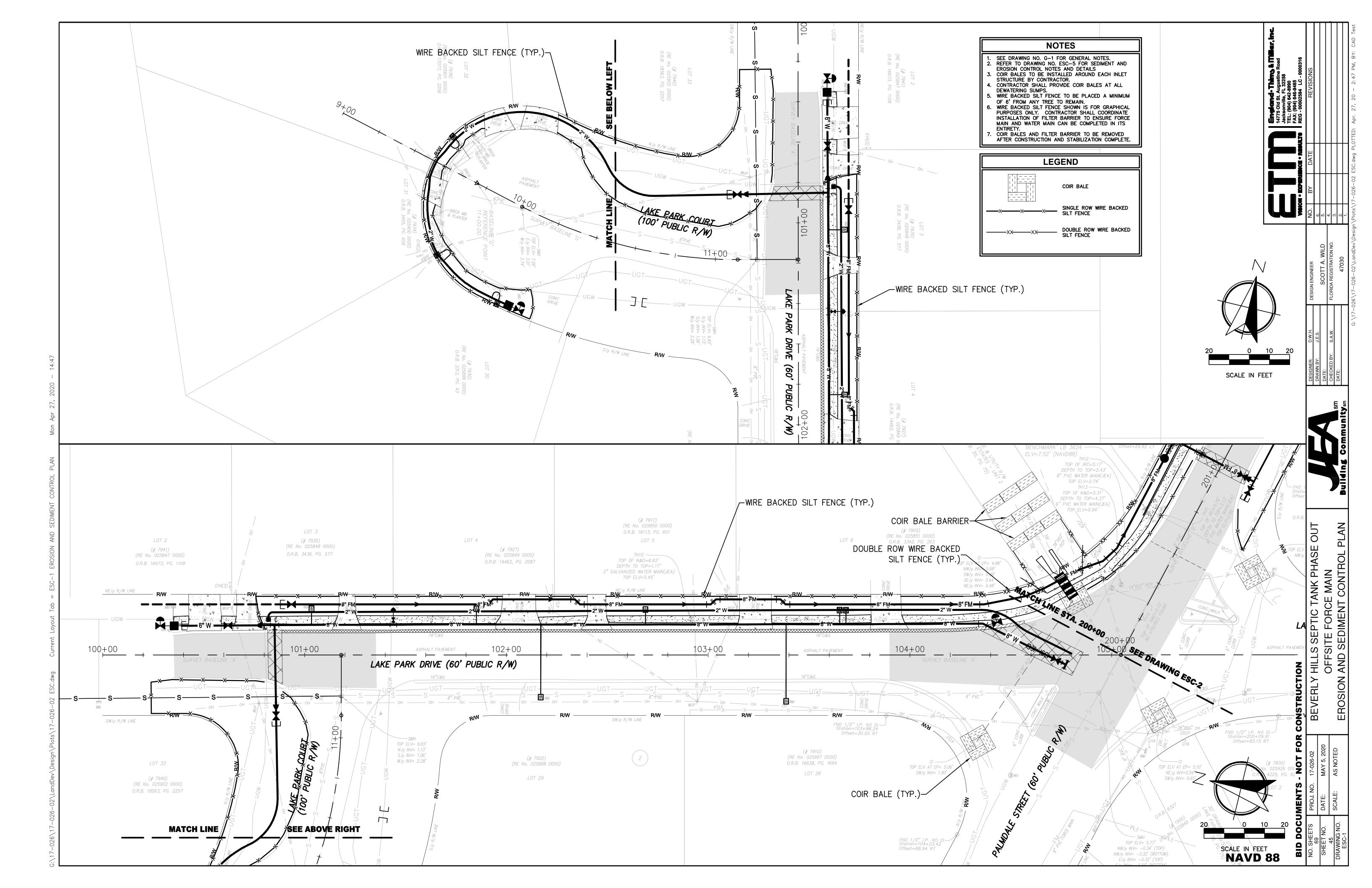
STA	OFF	ELEV	DESC
600+06.14	16.61	22.22	RT EOF
600+18.45	7.27	22.31	CL
600+21.74	-6.95	21.90	LT EOP
600+29.65	-4.34	22.06	LT EOP
600+38.23	-3.08	22.02	LT EOP
600+46.28	14.39	21.54	RT EOF
600+67.53	4.95	21.40	CL
600+68.06	13.18	20.99	RT EOF
600+68.45	-4.85	21.53	LT EOF
601+03.54	-6.89	21.15	LT EOF
601+09.81	10.86	20.43	RT EOF
601+17.90	2.74	20.79	CL
601+27.61	10.21	20.31	RT EOF
601+28.18	-7.46	20.97	LT EOF
601+68.31	-9.39	20.96	LT EOF
601+69.19	-0.19	20.74	CL
601+69.73	8.34	20.31	RT EOF
602+13.79	-12.24	20.86	LT EOF
602+15.24	-3.46	20.79	CL
602+16.49	5.61	20.49	RT EOF
602+47.24	-13.00	21.04	LT EOF
602+64.21	-13.87	21.16	LT EOF
602+65.12	-4.89	21.09	CL
602+66.47	4.23	20.74	RT EOF
603+11.63	-4.41	21.57	CL
603+11.75	4.62	21.33	RT EOF
603+13.16	-12.74	21.52	LT EOF
603+41.56	5.56	21.67	RT EOF
603+57.08	-2.95	21.85	CL
603+62.39	-11.43	21.72	LT EOF
603+76.41	7.05	21.90	RT EOF
603+80.39	-10.59	21.81	LT EOF

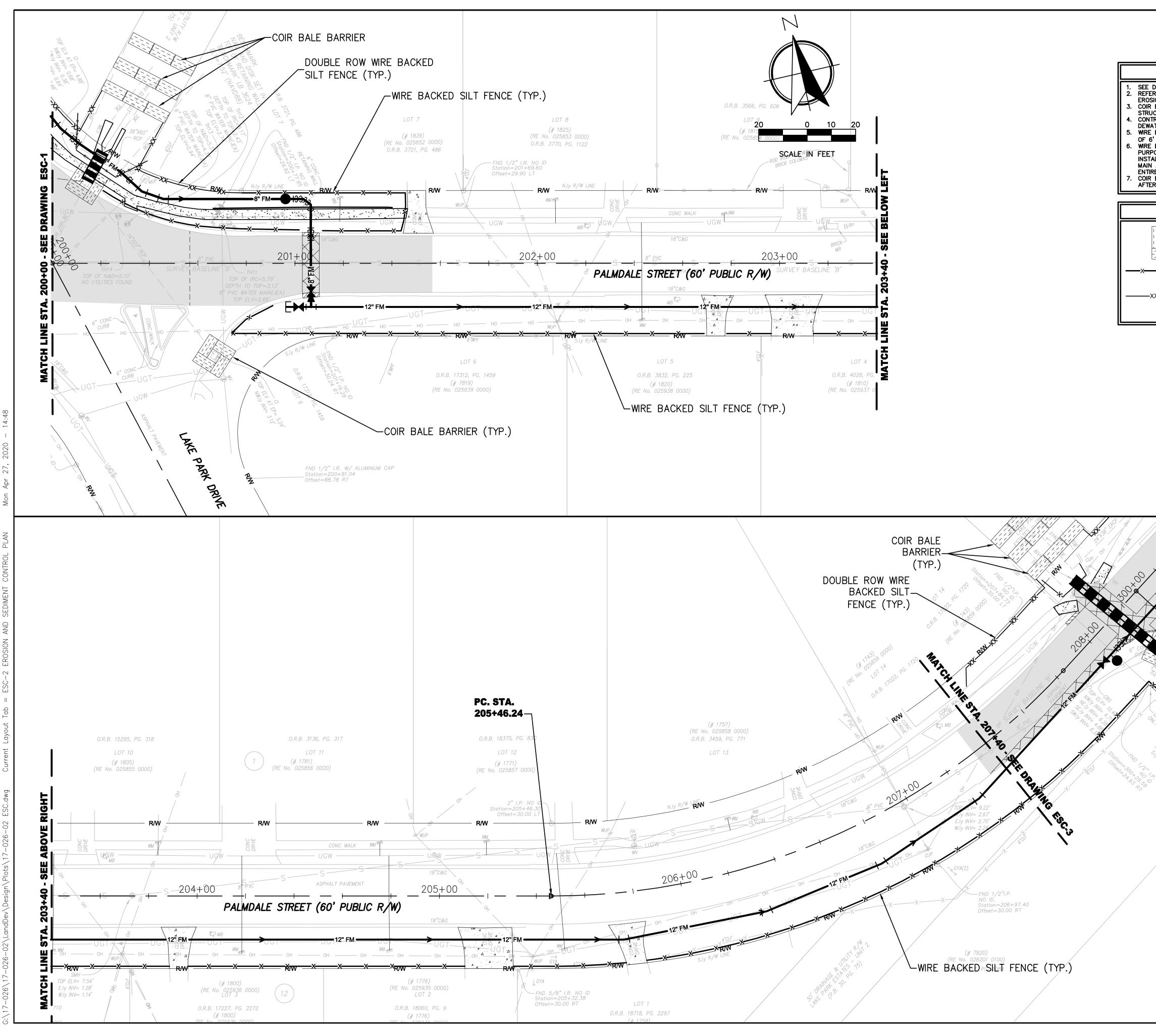
STA	OFF	ELEV	DESC
604+09.47	8.17	22.12	RT EOP
604+09.76	-9.21	22.03	LT EOP
604+10.16	-0.44	22.21	CL
604+56.56	10.16	22.37	RT EOP
604+57.39	2.19	22.43	CL
604+58.06	-6.94	22.37	LT EOP
604+76.37	11.94	22.48	RT EOP
605+05.53	15.73	22.11	RT EOP
605+07.59	-6.97	22.37	LT EOP
605+09.24	2.56	22.45	CL
605+50.42	18.39	21.99	RT EOP
605+58.21	-8.62	21.95	LT EOP
605+59.19	0.28	22.03	CL
605+75.17	10.25	21.84	RT EOP
605+76.09	-9.33	21.58	LT EOP
605+87.58	-14.73	21.31	LT EOP
606+06.59	10.29	21.66	RT EOP
606+07.08	-0.62	21.48	CL
606+21.97	-17.34	20.97	LT EOP
606+49.68	-9.29	20.62	LT EOP
606+59.14	-0.31	20.57	CL
606+59.14	10.05	20.37	RT EOP
607+07.85	9.64	19.36	RT EOP
607+09.14	-0.15	19.42	CL
607+09.91	-9.83	19.47	LT EOP
607+57.85	9.66	18.39	RT EOP
607+58.79	-10.22	18.25	LT EOP
607+59.14	0.01	18.44	CL
608+11.16	9.64	17.64	RT EOP
608+11.64	0.18	17.65	CL
608+12.05	-8.93	17.65	LT EOP

TING PAVEMENT ELEVATIONS AS DEFINED BY THE AS SUMMARIZED IN THE TABLE BELOW:

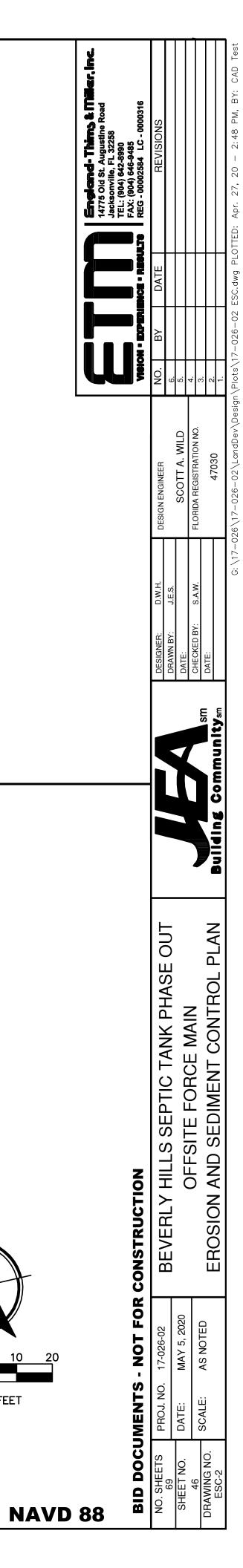


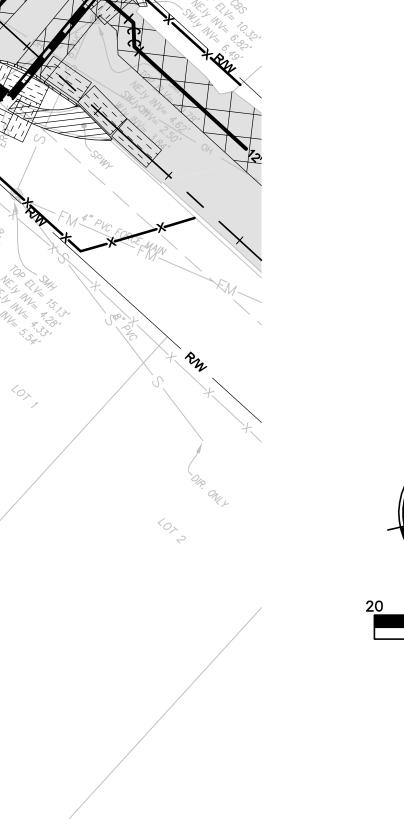




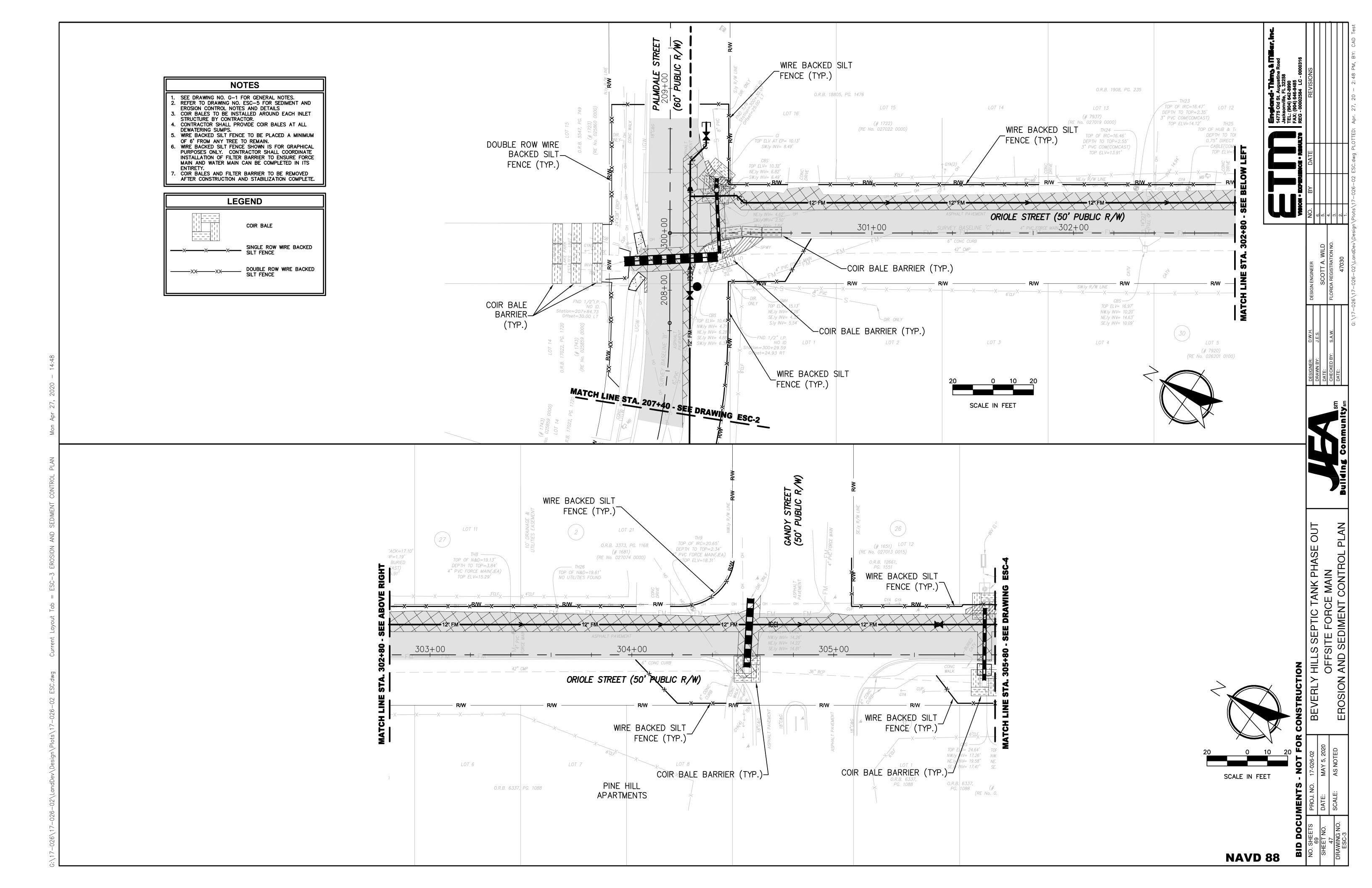


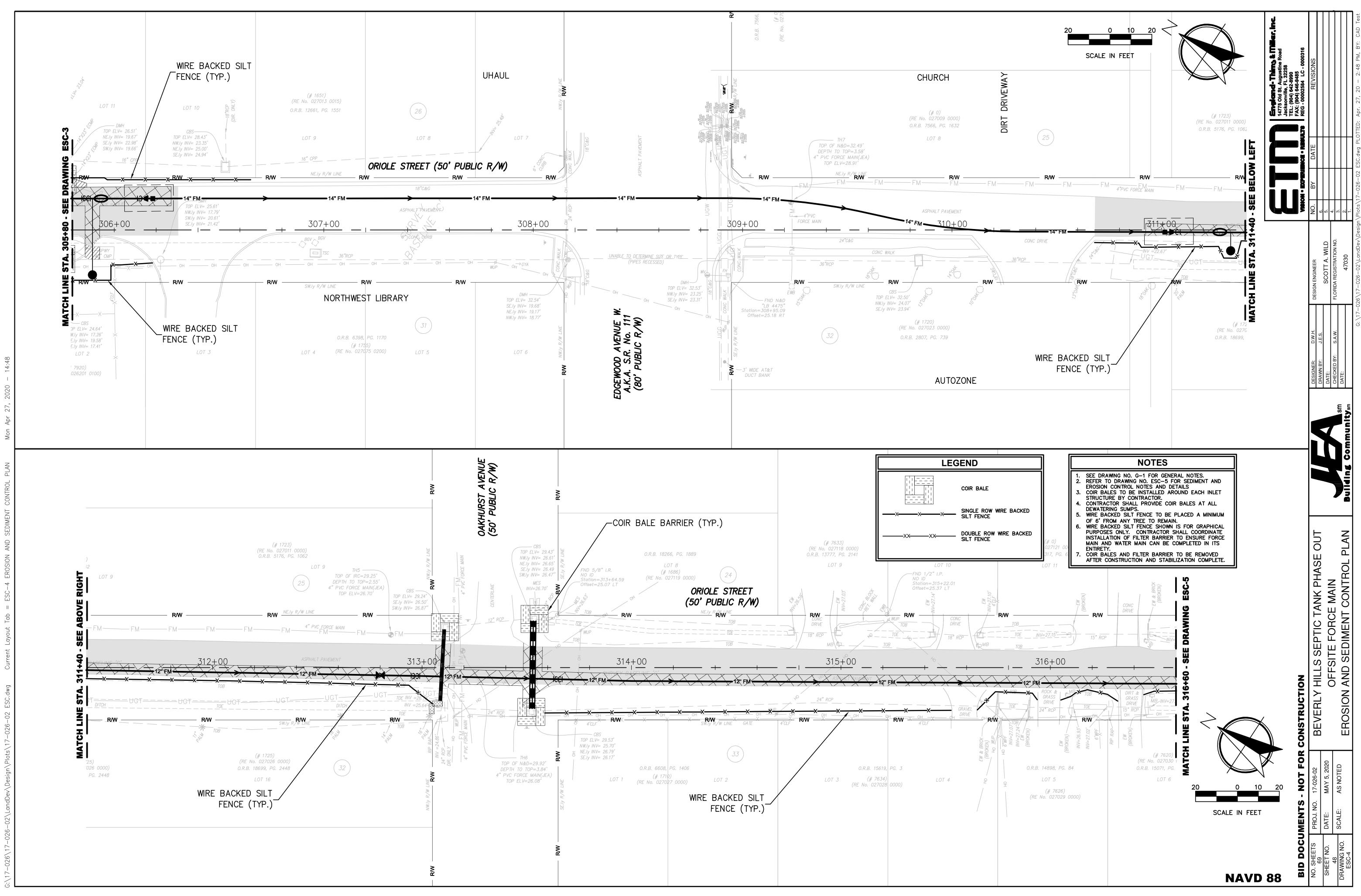
NOTES
DRAWING NO. G-1 FOR GENERAL NOTES. IR TO DRAWING NO. ESC-5 FOR SEDIMENT AND SION CONTROL NOTES AND DETAILS BALES TO BE INSTALLED AROUND EACH INLET ICTURE BY CONTRACTOR. IRACTOR SHALL PROVIDE COIR BALES AT ALL ATERING SUMPS. BACKED SILT FENCE TO BE PLACED A MINIMUM 'FROM ANY TREE TO REMAIN. BACKED SILT FENCE SHOWN IS FOR GRAPHICAL POSES ONLY. CONTRACTOR SHALL COORDINATE ALLATION OF FILTER BARRIER TO ENSURE FORCE AND WATER MAIN CAN BE COMPLETED IN ITS RETY. BALES AND FILTER BARRIER TO BE REMOVED IR CONSTRUCTION AND STABILIZATION COMPLETE.
LEGEND
COIR BALE
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

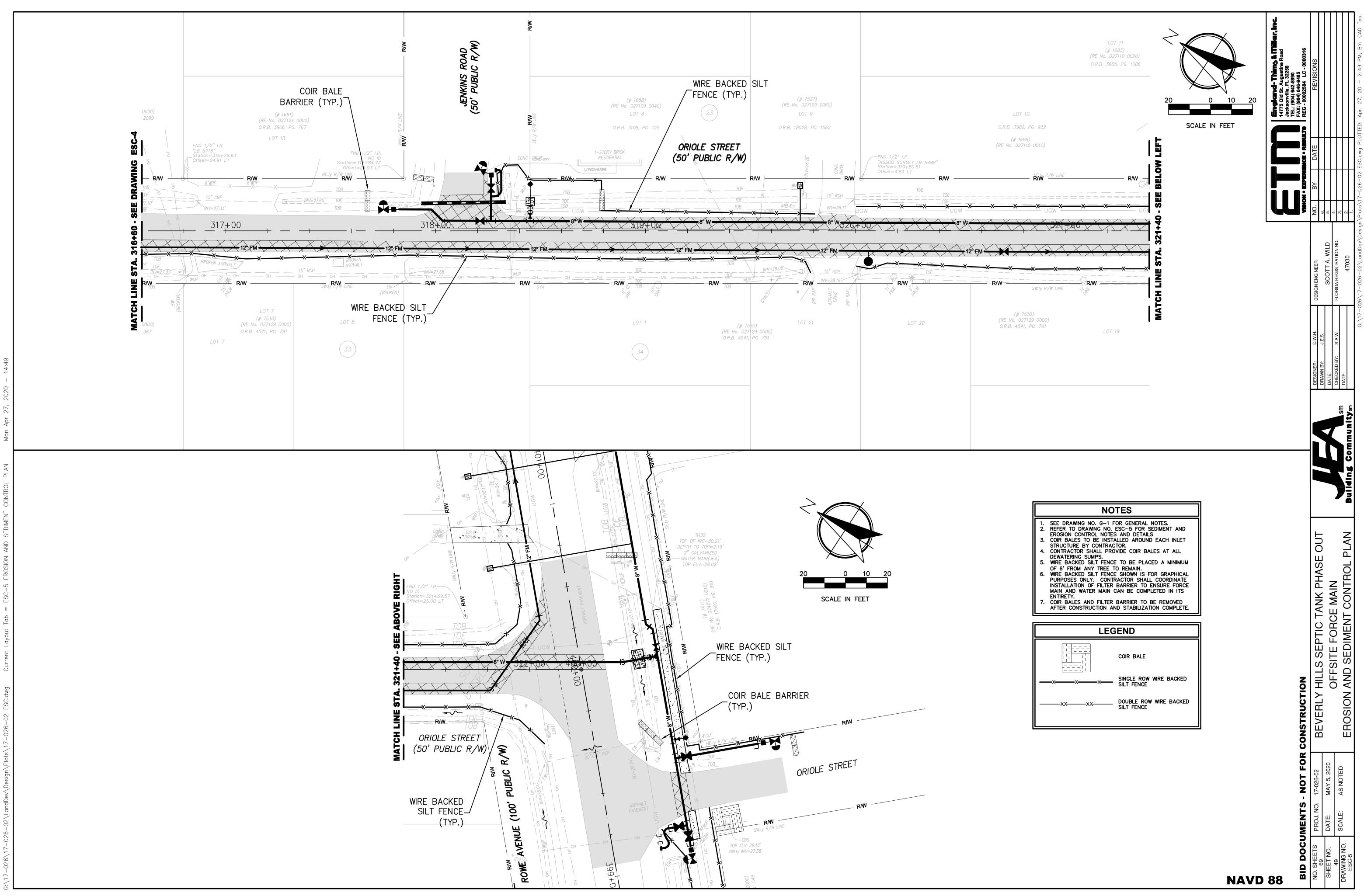


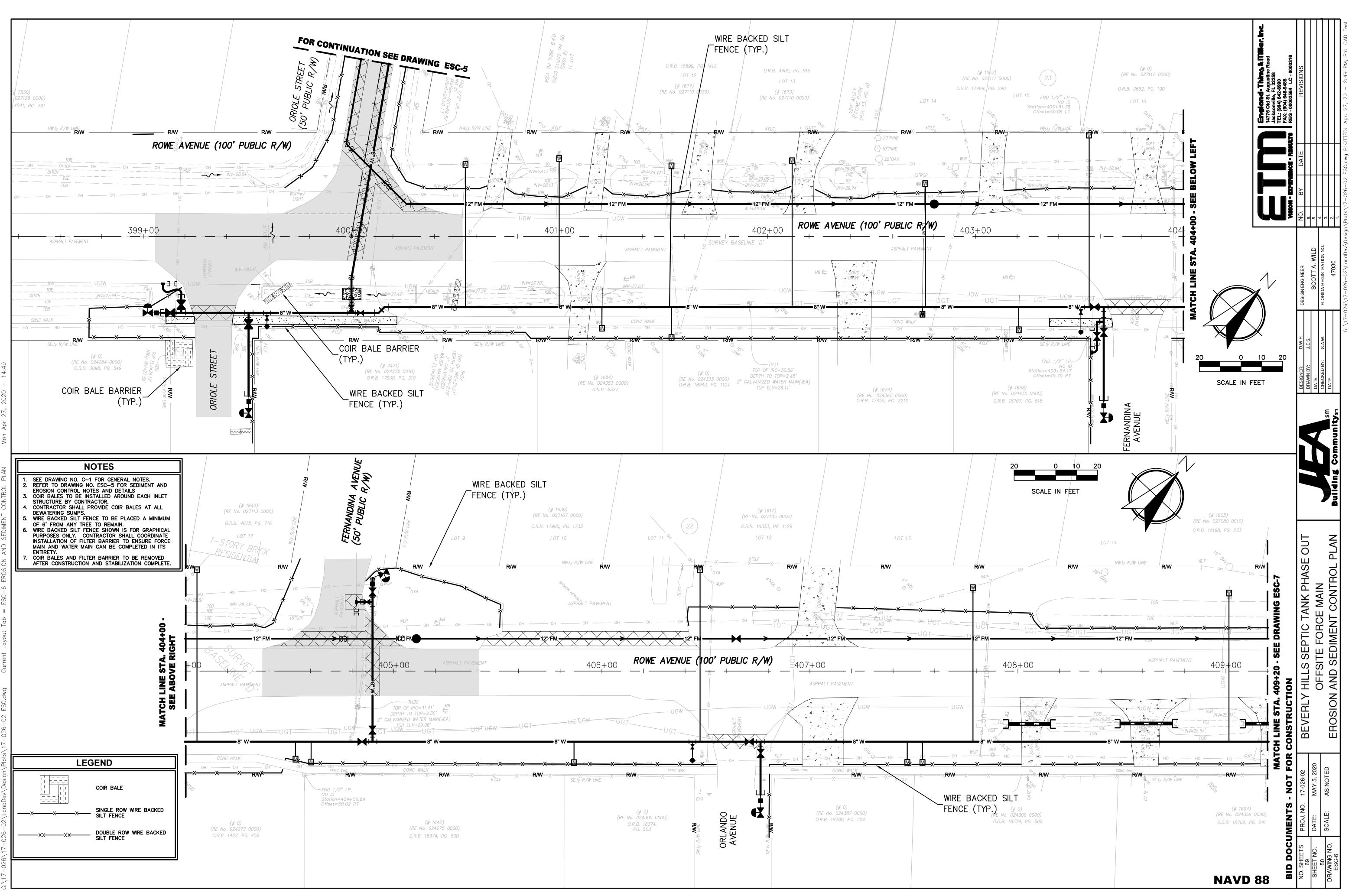


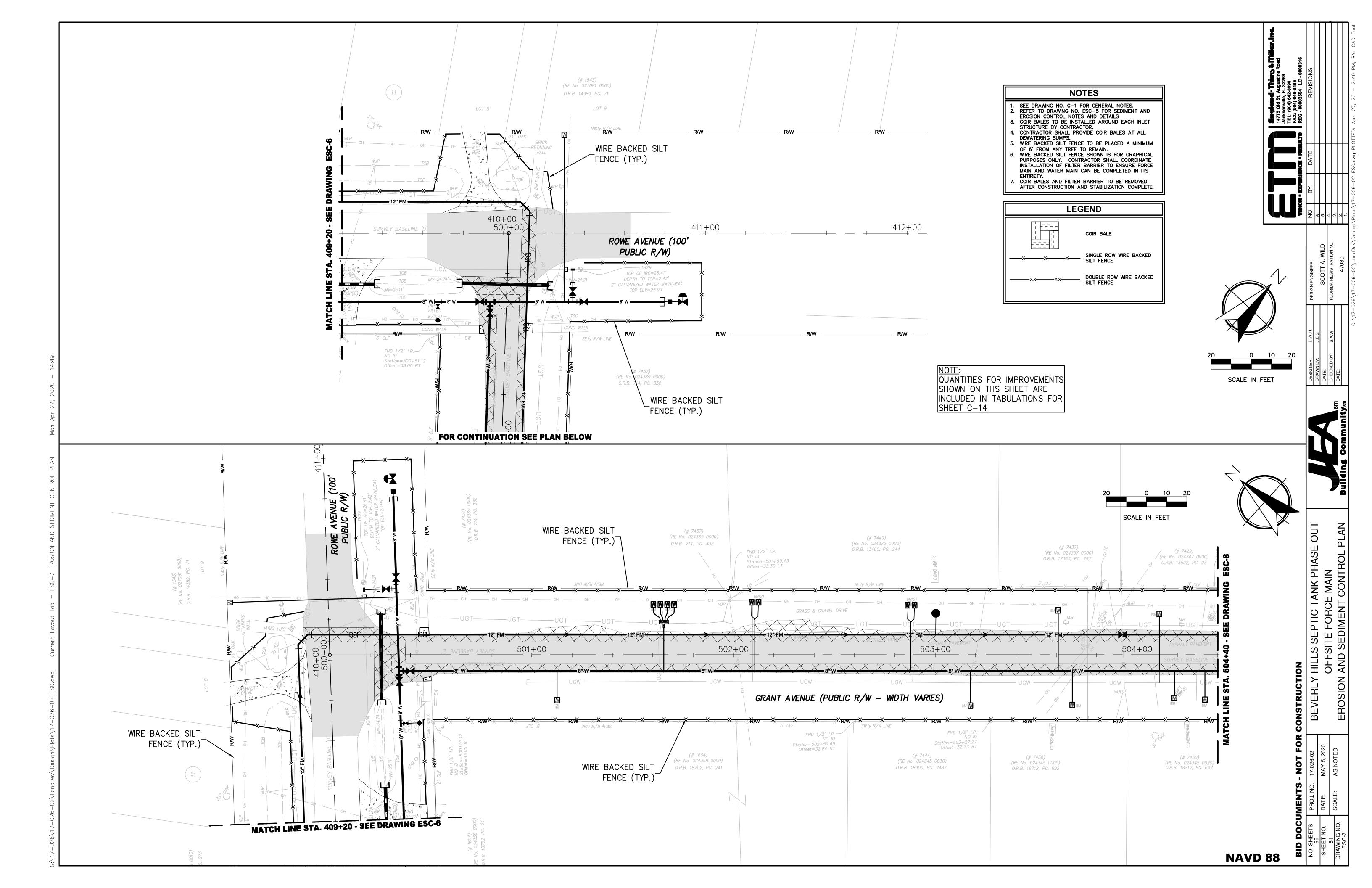
SCALE IN FEET

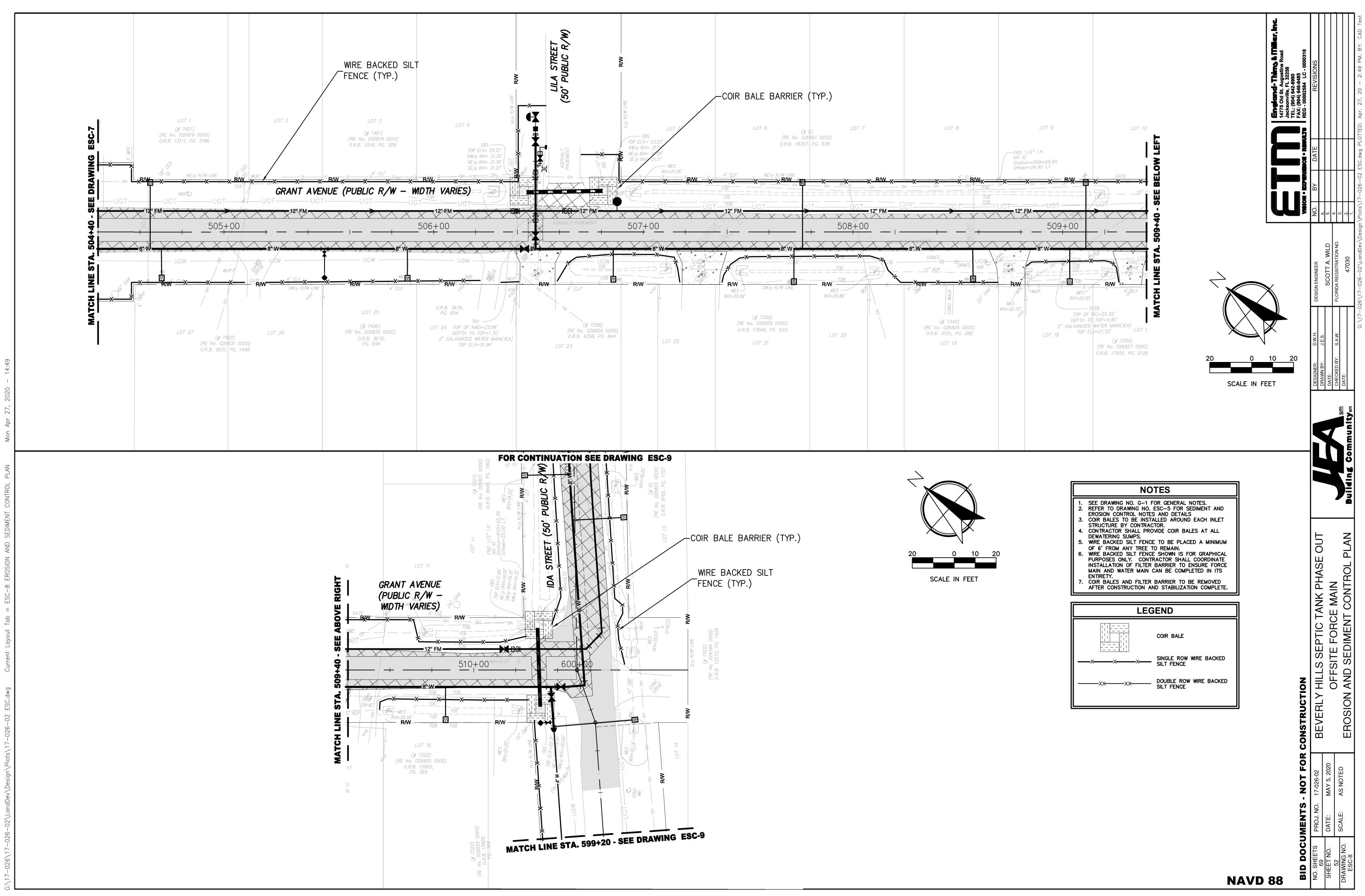


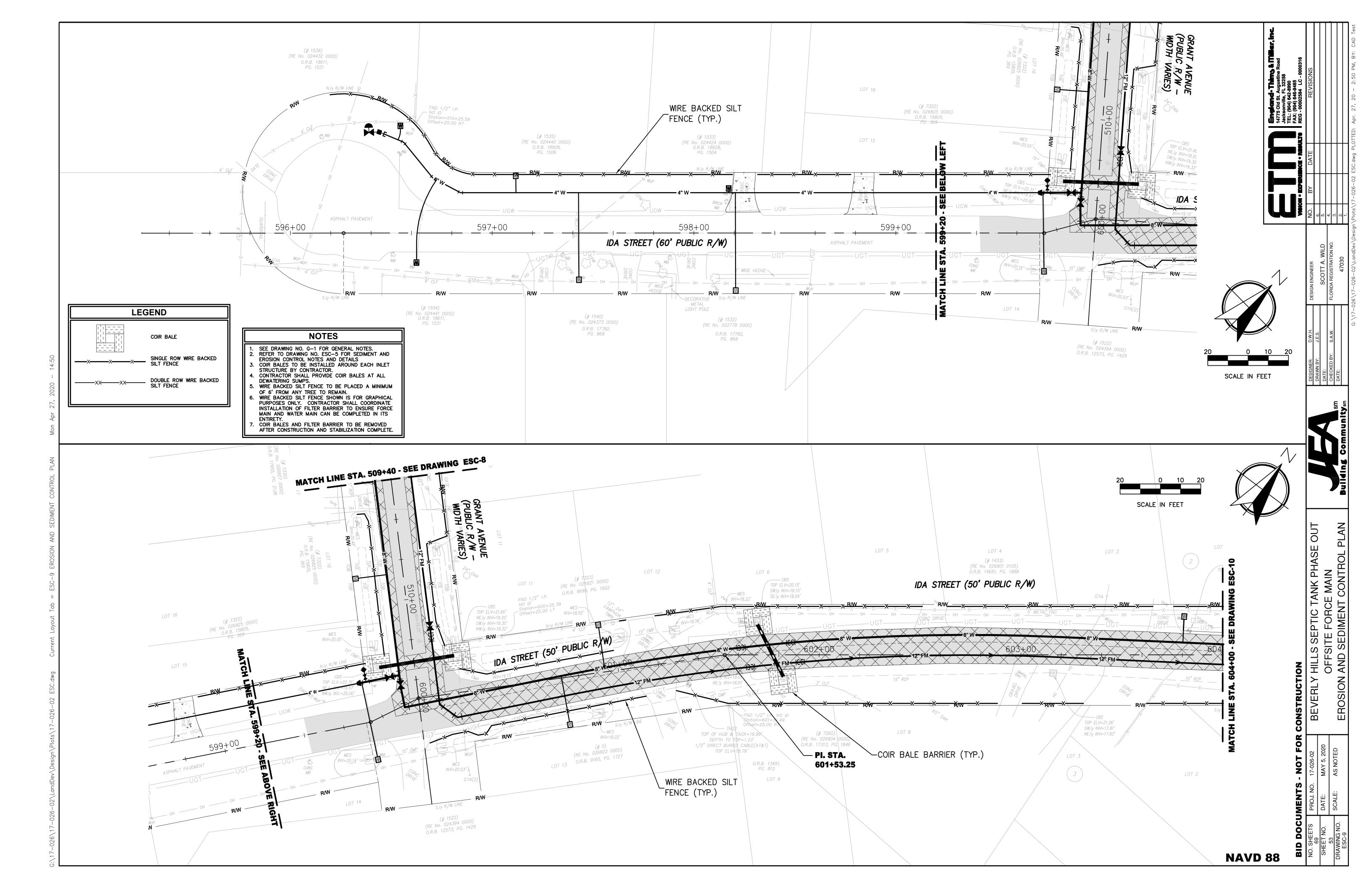


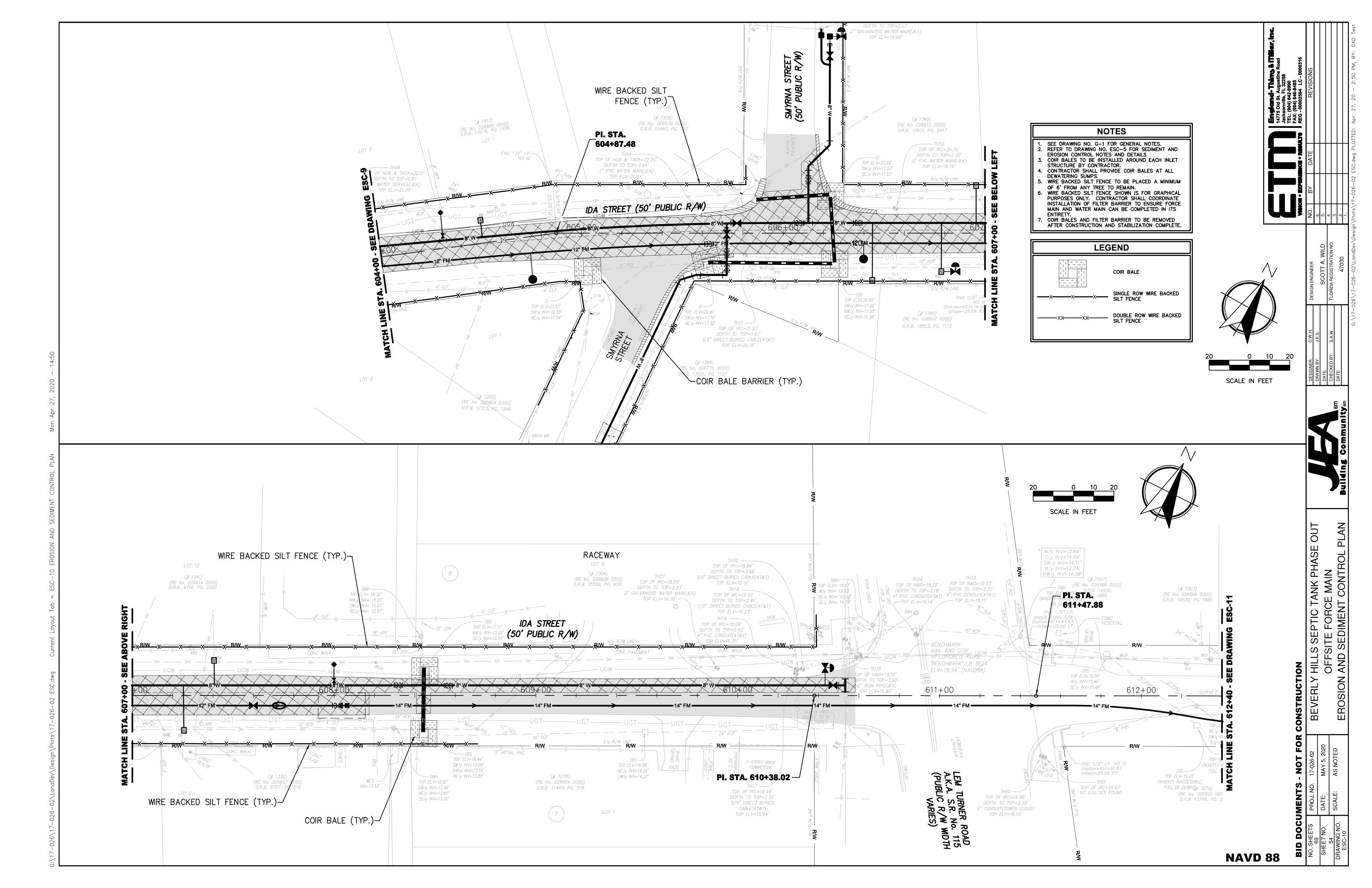


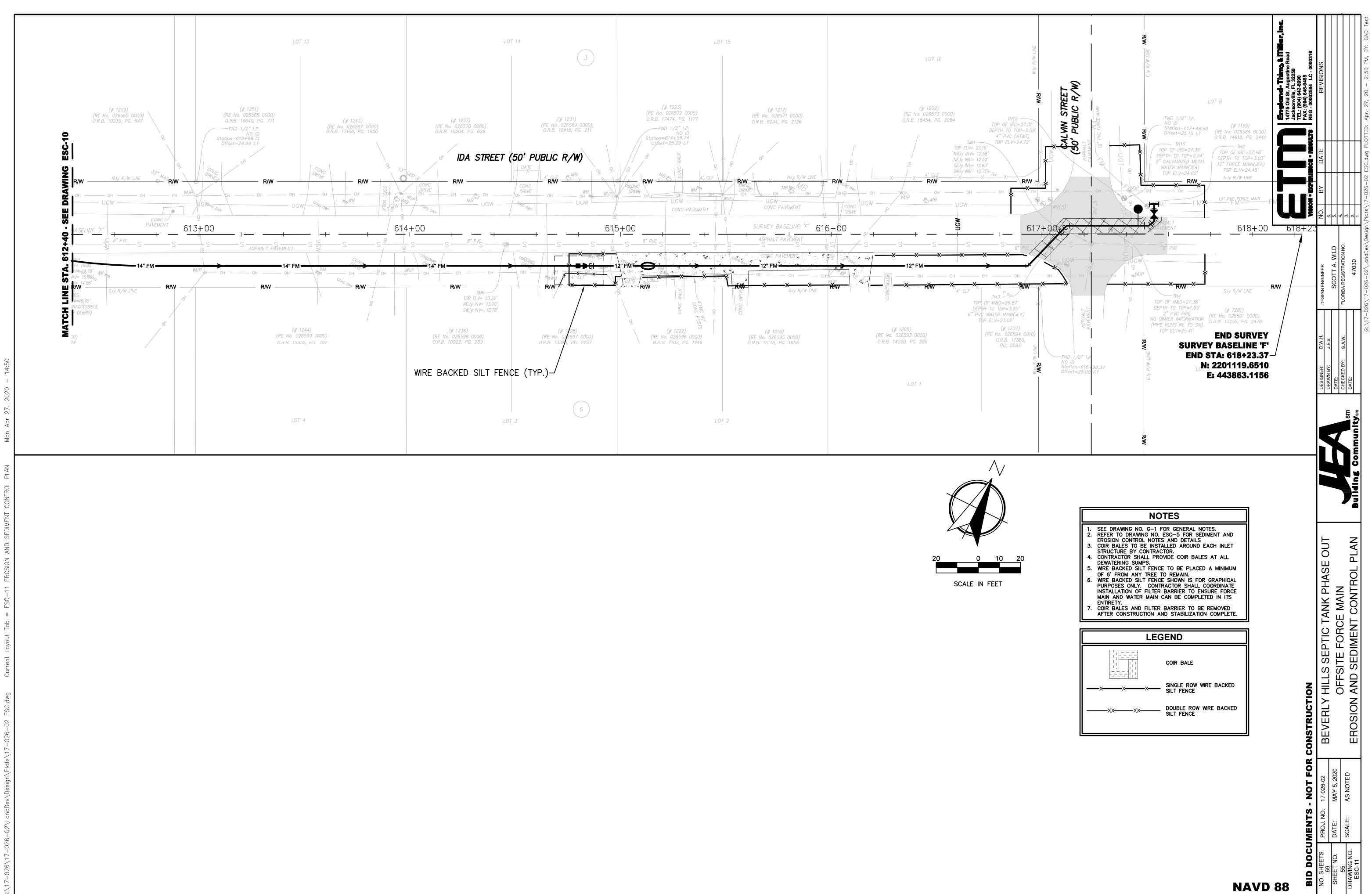










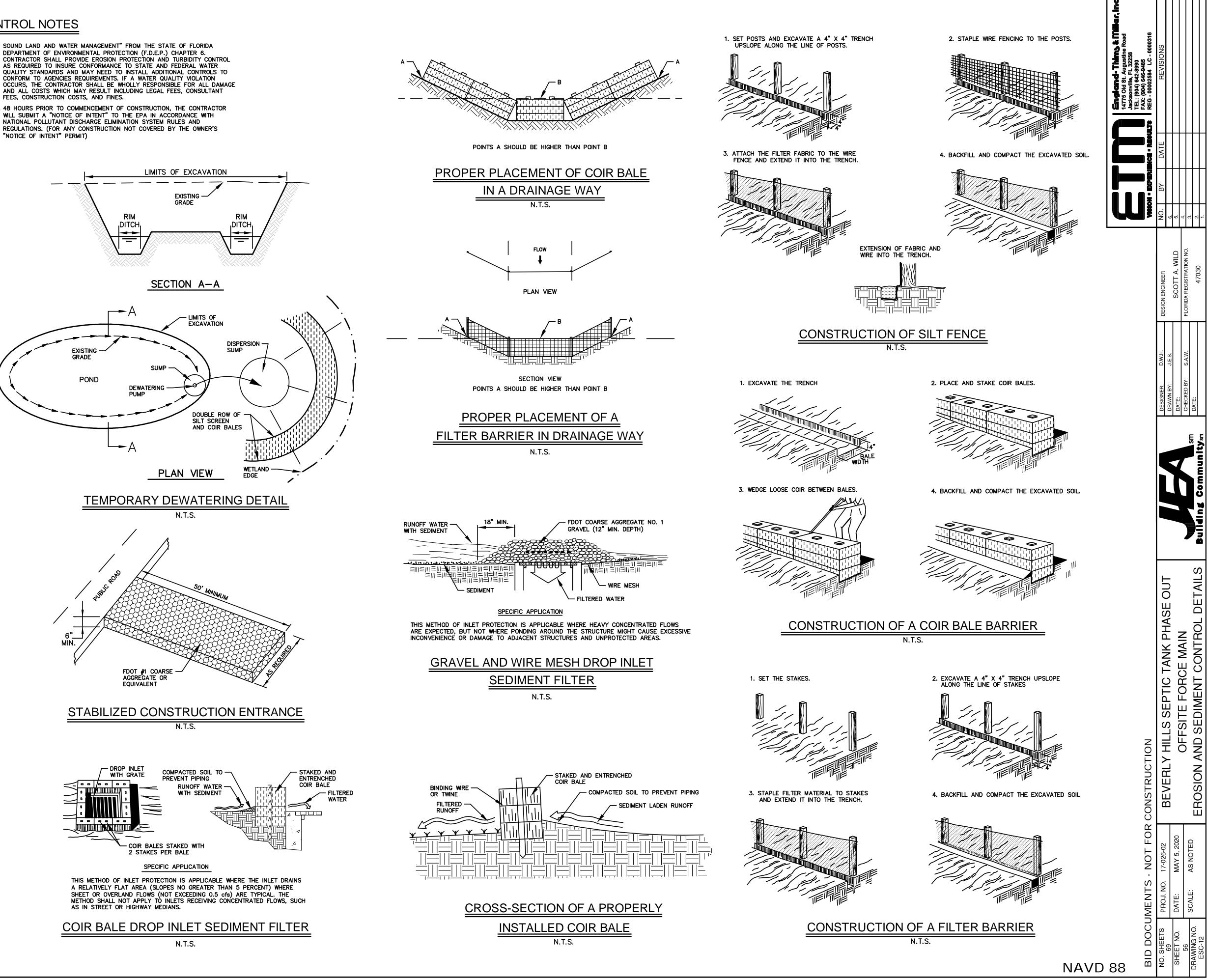


SEDIMENT AND EROSION CONTROL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
- 2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
- . ADDITIONAL PROTECTION ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
- 4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
- 5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS REQUIRED, THE STRIPS SHALL BE OVERLAPPED.
- 6. FDOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ON SEDIMENT FILTER DETAIL (SEE DETAIL THIS SHEET). THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
- 7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
- 8. BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
- 9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
- 10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
- 11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
- 12. LOOSE COIR SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
- 13. COIR BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- 14. CLOSE ATTENTION SHALL BE GIVEN TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
- 15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
- 16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. IT MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE, AFTER THE COIR BALE OR FILTER BARRIERS, AND OR SILT FENCES ARE NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- 18. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 19. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
- 20. STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS REQUIRED.
- 21. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT RULES AND REGULATIONS.
- 23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.P.) CHAPTER 6.
- 24. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAILS (THIS SHEET) FOR TYPICAL CONSTRUCTION.
- 25. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
- 26. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
- 27. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
- 28. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED AND MULCHED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR SHALL USE ADDITIONAL MEASURES TO STABILIZE DISTURBED AREAS THROUGH COMPACTION, SILT SCREENS, COIR BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
- 29. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION, AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.
- 30. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
- 31. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.
- 32. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS AND PRESERVATION EASEMENTS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
- 33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER THE CONTRACT DOCUMENTS AND MEETING THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, CITY OF JACKSONVILLE AND NPDES FINAL STABILIZATION REQUIREMENTS.
- 34. THESE PLANS INCLUDING THE POLLUTION PREVENTION PLAN INDICATE THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO

DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6. CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION FEES, CONSTRUCTION COSTS, AND FINES.

35. 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR WLL SUBMIT A "NOTICE OF INTENT" TO THE EPA IN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM RULES AND REGULATIONS. (FOR ANY CONSTRUCTION NOT COVERED BY THE OWNER'S "NOTICE OF INTENT" PERMIT)





SITE DESCRIPTION PROJECT NAME AND LOCATION: BEVERLY HILLS SEPTIC TANK PHASE OUT OFFSITE FORCE MAIN JACKSONVILLE, FL OWNER/DEVELOPER NAME AND ADDRESS: JEA 21 W. CHURCH ST. MORE ADDRESS:	GENERAL THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION. SEQUENCE OF MAJOR ACTIVITIES: THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS: 1. INSTALL SILT FENCES AND COIR BALES AS REQUIRED.
BEVERLY HILLS SEPTIC TANK PHASE OUT OFFSITE FORCE MAIN JACKSONVILLE, FL OWNER/DEVELOPER NAME AND ADDRESS: JEA 21 W. CHURCH ST.	REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION. SEQUENCE OF MAJOR ACTIVITIES: THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
21 W. CHURCH ST.	THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
JACKSONVILLE, FL 32202 DESCRIPTION: THIS PROJECT WILL CONSIST OF: CONSTRUCTION OF A 12" SANITARY SEWER FORCE MAIN AND A POTABLE WATER MAIN TO REPLACE EXISTING 2" WATER MAINS. CONSTRUCTION WILL CONSIST OF INSTALLATION OF UNDERGROU UTILITIES AND ASSOCIATED PAVEMENT AND DRAINAGE REPAIRS. SOIL DISTURBING ACTIVITIES WILL INCLUDE: EXCAVATION TRENCHING AND HORIZONTAL DIRECTIONAL DRILLING PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; RE EXISTING GRADES; REPLACING DISTURBED STORM SEWER & UTIL RECONSTRUCTION OF DISTURBED SIDEWALKS, CURB AND GUTTER WIDTH PAVEMENT REMOVAL AND REPLACEMENT. GENERALIZED RUNOFF CURVE NUMBERS (REFER TO DRAINAGE CALCULATIONS FOR ACTUAL CURVE NUMBER FOR EACH BASIN) 1. PRE-CONSTRUCTION = 88 2. DURING CONSTRUCTION = 88 3. POST-CONSTRUCTION = 88 SOILS:	 2. INSTALL UTILITIES, STORM SEWER, CURBS & GUTTER, PAVEMENT REPAIR. 3. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING. 4. COMPLETE FINAL PAVING. 5. REMOVE ACCUMULATED SEDIMENT. 6. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY MEASURES AND RESEED/SOD AS REQUIRED.
 * SEE ATTACHED FOR SOILS DATA SITE MAPS: * SEE ATTACHED DWG. No. X - X FOR POST DEVELOPMENT G 	TIMING OF CONTROLS/MEASURES
 * SEE ATTACHED DWG. No. X - X FOR POST DEVELOPMENT G AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WAT WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NO CONTROLS AND STORM WATER DISCHARGE POINTS. * SEE ATTACHED DWG. No. X AND X FOR LOCATION OF TEMPO STABILIZATION PRACTICES, AND TURBIDITY BARRIERS SITE AREA: TOTAL AREA OF SITE = 11 AC± TOTAL AREA TO BE DISTURBED = 4 AC± NAME OF RECEIVING WATERS: RIBAULT RIVER 	AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND COIR BALES, WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE STARLING MEASURES SHALL BE INITIATED AS
CONTROLS	CONTROLS
THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL DRAWING NUMBERS 45 THROUGH 56 HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLAN HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLAN OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSU PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY STATE AND LOCAL LAWS. REFER TO "CONTRACTORS REQUIREMENT VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENT AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLI-	TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAMING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REDERAL, AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT YIS" FOR A PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE REGULATORY AGENCIES. EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE ETE. EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES 1. COIR BALE BARRIER: COIR BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS: A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF COIR BALE PROSION CONTROL PERCENS IS REQUIRED FOR LESS THAN 3 MONTHS.
REFER TO " CONTRACTORS REQUIREMENTS" FOR THE TIMING OF C	
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWIN BEEN OBTAINED. D.E.P. DREDGE/FILL PERMIT # N/A C.O.E. DREDGE/FILL PERMIT # N/A S.J.R.W.M.D. M.S.S.W. PERMIT # N/A	
POLLUTION PREVENTION PLAN CERTIFICATION	4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT- FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUP ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QU PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBM MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE A PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING TH FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SIGNED: 	 GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL SYSTEM, OR INFORMATION, THE AND BELIEF, ARE SIGNIFICANT HE POSSIBILITY OF 5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY. 6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE

CONTRACTOR'S REQUIREMENTS

- 7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT -LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- 8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 7 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
- 9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
- 10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- 11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
- 12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- 13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- 14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.
- STRUCTURAL PRACTICES
- 1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
- 2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING LIMITATIONS:
- A. THE SEDIMENT TRAP MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE.
- 3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.
- 4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

Fertilizers Concrete Asphalt Tar Detergents

Petroleum Based Products Cleaning Solvents Paints

Wood Masonry Blocks

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

- THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.
- GOOD HOUSEKEEPING THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.
- * AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED
- TO DO THE JOB. * ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER

ENCLOSURE. * PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH

THE ORIGINAL MANUFACTURER'S LABEL.

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE * ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

CONTAIN IMPORTANT PRODUCT INFORMATION.

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE: PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

CONCRETE TRUCKS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL

INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

				in the	Π	Τ	$\prod_{i=1}^{n}$		
		MAINTENANCE/INSPECTION PRO	CEDURES	aad hill					
	THE FOLLOWING ARE	DIMENT CONTROL INSPECTION AND MA E INSPECTION AND MAINTENANCE PRA EROSION AND SEDIMENT CONTROLS.		L	REVISIONS				
		* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.							
	THE PERSON RES SOMEONE APPOIN	ASURES WILL BE INSPECTED BY THE S PONSIBLE FOR THE DAY TO DAY SITE TED BY THE SUPERINTENDENT, AT LEA STORM EVENT OF 0.25 INCHES OR GR	OPERATION OR AST ONCE A WEEK AND	14775 Jackson Jackson FAX: (() FAX: () FAX: ()					
	* ALL TURBIDITY CO	ONTROL MEASURES WILL BE MAINTAINE AIR IS NECESSARY, IT WILL BE INITIAT	D IN GOOD WORKING		DATE	+			
		NT WILL BE REMOVED FROM SILT FENC HIRD THE HEIGHT OF THE FENCE.	E WHEN IT HAS			+	$\left \right $		
	SEE IF THE FABR	* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.							
	AND BUILT UP SE	SINS WILL BE INSPECTED FOR THE DE EDIMENT WILL BE REMOVED WHEN IT R DESIGN CAPACITY OR AT THE END O	EACHES 10	₩	NO.	2. 0.	4. w		
	* DIVERSION DIKES/ REPAIRED.	SWALES WILL BE INSPECTED AND ANY	BREACHES PROMPTLY			q	N		
		PERMANENT SEEDING AND PLANTING , WASHOUTS, AND HEALTHY GROWTH.	WILL BE INSPECTED		ER	t a. wild	FLORIDA REGISTRATION NO	7030	
		NSPECTION REPORT WILL BE MADE AF DPY OF THE REPORT FORM SHALL BE				SCOTT	REGIST	47	
	AVAILABLE UPON STATE OR LOCAL	L BE KEPT ON SITE DURING CONSTRU REQUEST TO THE OWNER, ENGINEER AGENCY APPROVING SEDIMENT AND	OR ANY FEDERAL,		DESIGN ENGINE		FLORIDA		
	THE REPORTS SH. POLLUTION PREVE THE SITE IS FINAI	R MANAGEMENT PLANS. ALL BE MADE AND RETAINED AS PAR INTION PLAN FOR AT LEAST THREE YE ILLY STABILIZED AND THE NOTICE OF	EARS FROM THE DATE THAT TERMINATION IS SUBMITTED.		Ξ		N.		
	* THE SITE SUPERIN WILL BE RESPONS	ALL IDENTIFY ANY INCIDENTS OF NON- ITENDENT WILL SELECT UP TO THREE SIBLE FOR INSPECTIONS, MAINTENANCE FILLING OUT THE INSPECTION AND MAI	INDIVIDUALS WHO AND REPAIR			: J.E.S.	BY: S.A.W.		
	REPORT.	CTED FOR INSPECTION AND MAINTENAI			ESIGNER	DRAWN BY	Ĥ	DATE:	
	RESPONSIBILITIES SUPERINTENDENT. MAINTENANCE PRA	WILL RECEIVE TRAINING FROM THE SI THEY WILL BE TRAINED IN ALL THE I ACTICES NECESSARY FOR KEEPING TH	TE. NSPECTION AND E EROSION AND						
	SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.							nity sm	
	* IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:							Commun	
	* WATER FROM WATER LINE FLUSHING * PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR								
	HAZARDOUS MATE	ERIALS HAVE OCCURRED).						l n	
		GROUNDWATER (FROM DEWATERING E ATER DISCHARGES WILL BE DIRECTED SCHARGE.							
		CONTRACTOR'S CERTIFICAT	ION					z	
	CONDITIONS OF THE	ENALTY OF LAW THAT I UNDERSTAND	HARGE		∣⊢	- -		PLAN	
	DISCHARGES ASSOC	(INPDES) PERMIT THAT AUTHORIZES IATED WITH INDUSTRIAL ACTIVITY FROM IDENTIFIED AS PART OF THIS CERTIFI	I THE					NOI	
		DEWATERING			DH0	Ś	7	ENT N	
	ASSOCIATED WITH THI WETLANDS, SWALES A EFFLUENT (WATER TO THE TEST RESULTS O 62-621.300(2), F.A.O CONSTRUCTION ACTIV PROTECTION DISTRICT CONTRACTOR SHALL PROJECT AND COMPL WATER EXCEEDS THE SHALL COMPLY WITH	ARGE OF GROUND WATER (DEWATERING) F IS PROJECT TO WATERS OF THE STATE (II AND MUNICIPAL STORM SEWERS), THE CON D BE DISCHARGED) IN ACCORDANCE WITH 1 ON THE EFFLUENT ARE BELOW THE SCREEN C., THE CONTRACTOR SHALL SUBMIT A SUI TTY AND THE TEST RESULTS TO THE DEP/ OFFICE, WITHIN ONE (1) WEEK AFTER DIS CONTINUE TO SAMPLE THE EFFLUENT AS Y WITH ALL CONDITIONS OF RULE 62–621 SCREENING VALUES OF RULE 62–621.300 OTHER APPLICABLE RULES AND REGULATI WATER) TO SURFACE WATERS OF THE STA	NCLUDING, BUT NOT LIMITED TO, TRACTOR SHALL TEST THE RULE 62-621.300(2), F.A.C. IF NING VALUES OF RULE MMARY OF THE PROPOSED ARTMENT OF ENVIRONMENTAL CHARGE BEGINS. THE REQUIRED THROUGHOUT THE .300(2), F.A.C. IF THE GROUND D(2), F.A.C., THE CONTRACTOR ONS PRIOR TO DISCHARGE OF THE	CTION	V HILLS SEPTIC TANK PHAS		OFFSITE FORCE MAIN	ATER POLLUTION PREVEN	
	SIGNATURE	BUSINESS NAME AND ADDRESS	RESPONSIBLE FOR/DUTIES	ONSTRUCTION	REVERI V			ORMWAT	
		OF CONTRACTOR & ALL SUBS	GENERAL CONTRACTOR	R C		Τ_		ST	
			SUB-CONTRACTOR		02	2020		L L	
			SUB-CONTRACTOR	- LON	17-026-02	AY 5.			
				 	Ō.	∣≥			
			SUB-CONTRACTOR	ENT ENT	PROJ. NO	DATE:	SCALE		
			SUB-CONTRACTOR		-	T	<u> </u>		
			NAVD		NO. SHEETS	69 SHEET NO.	57	DRAWING NO. SWPPP-1	
1				50					

BEVERLY HILLS SEPTIC TANK PHASE OUT BEVERLY HILLS SEPTIC TANK PHASE OUT STATE SPLATTENDER PERVERSTOOR PARK SUSPECTION ALLOFTENDER SEPTION PLAK INFORMATION PERVERSTOOR PARK SUSPECTION ALLOFTENDER SEPTION PLAK INFORMATION PERVERSTOOR PARK SURVELING INFORMATION PERVERSTOOR PARK SURVELING INFORMATION PERVERSTOOR PARK SURVELING INFORMATION PERVERSTOOR PARK SURVELING ON ONE SURVELING ON ON ONE SURVELING ON ON ON	BEVERLY HILLS SEPTIC TANK PHASE OUT <i>STORM KARRA POLITICION PERFERENTION FURN STORM KARRA POLITICION PERFERENTION FUN STORM KARRA POLITICION PERFERENTION FUN STORM KARRA POLITICION PERFERENTION FUN POLICION PERFERENTION FUN POLICION PERFERENTION FUN POLICION PERFERENTION FUN POLICION PERFERENTION FUN POLICION PERFERENTION FUN POLICION PERFERENTION FUND POLICION PERFERENTIAL POLICION PERFERENTIALA POLICIONAL PERFE</i>	BEIGRAFIE DWH BEIGRAFIE DWH DRAWIN DESIGNER DWH DESIGNER DMULLY
	BEVERLY HILLS SEPTIC TANK PHASE OUT BEVERLY HILLS SEPTIC TANK PHASE OUT DESERTING REFERENCE REFERENCE DESERTING REFERENCE REFERENCE DESERTING REFERENCE REFERENCE DESERTING REFERENCE REFERENCE DESERTING REFEREN	BB BB DOLUMENTS - NOT FOR CONSTRUCTION No. SHETS PROL NOT FOR CONSTRUCTION