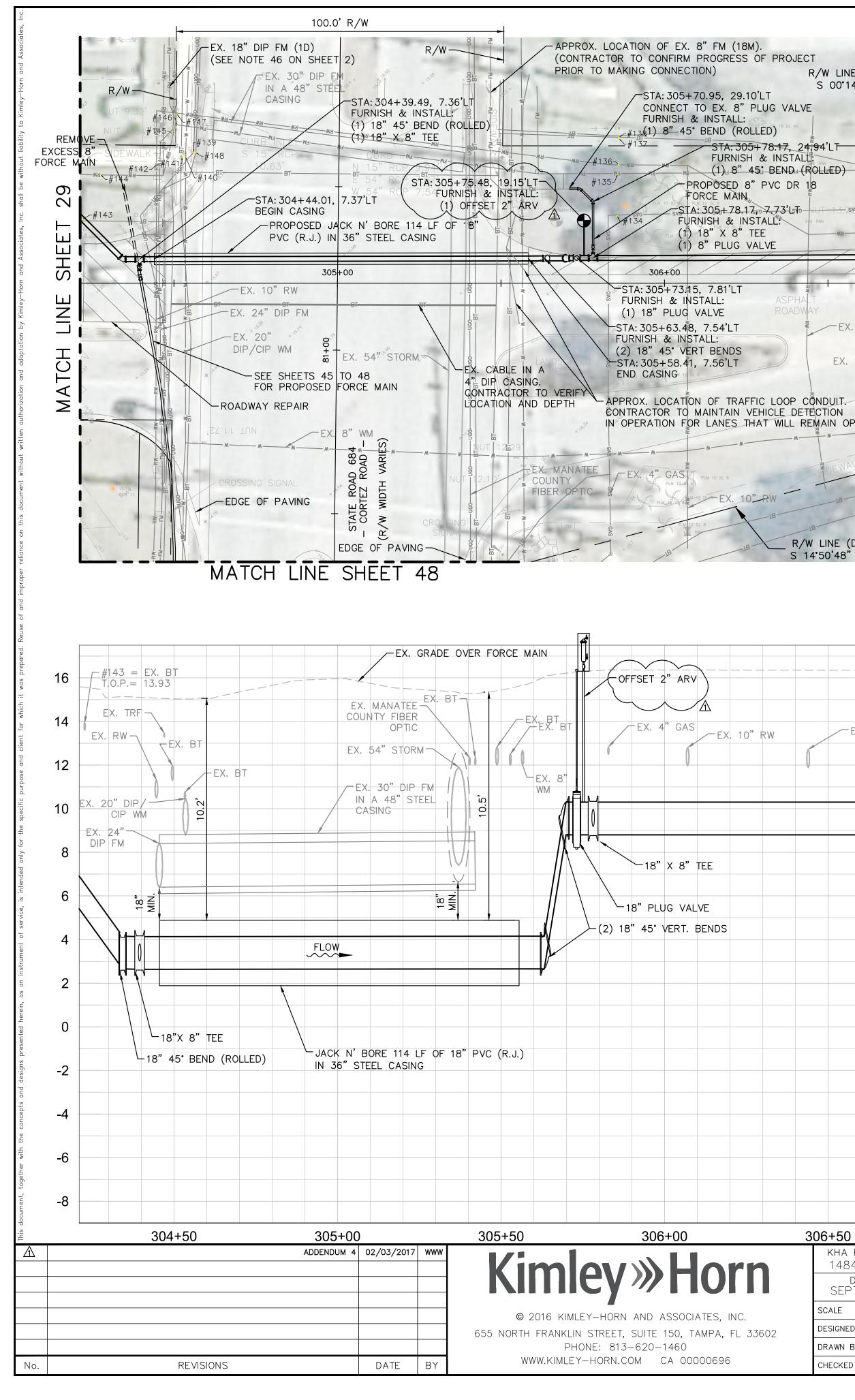


ΕX	K. GRADE OVER F	ORCE MAIN									
						~/					
			EX	. вт			ЕХ. ВТ	-			
					/ EX.	6" WM					-
		N N N N N N N N N N N N N N N N N N N	EX	. 24" STORM							
	8	0			EX. 8" SS			∠PR0	POSED 18" PVC	DR 18	
			V-					FOR	CE MAIN		
			18" MIN.	MIN 3							
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	301+50	OT	302+00			02+50		303+00		303+50)
0 5 5	kha proje 1484000				Y FM	anatee			LICENSED PR	OFESSIONAL	
orn	DATE SEPT 20	16			M	anatee					
_				ГA			4 8 4		W. WADE V	VOOD, P.E	[
TES, INC.	SCALE AS SH					MAIN			FL LICENSE		ſ
MPA, FL 33602	DRAWN BY	AMM JRT		RE	HABI	LITAT	ION		FL LICENSE 69(
0696			ATEE COUN					FI	_ DATE:		
			NILL COON	1 1				1 L			



E	Image: select				18" X 6" (2) 18" 45° BENDS (ROL	
) ▲ EX. 10" R	W EX. 10"	RW	" RW → EX. 6" WM W 0.4 1 0.4 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	EX. BT	PROPOSED 18" PVC DR 18 FORCE MAIN	EX. 8" WM
AINTAIN VEHI	CLE DETECTION WILL REMAIN OPEN.		18 M 18 M 194' M M K ^{0²} C 2 C 2 OK 18 00 00 00 00 00 00			18 #132 #131 19 #132 #131 19 NUT 972 NUT 972 000 R/Wh-LINE (D) S 00°14'53" W
7.81'LT ALL: ALVE 7.54'LT LL: BENDS 7.56'LT	ASPHALT ROADWAY EX. 10" RV EX. 10" RW		OTH STREET WEST B 1289 PG 3007) EX. 6" WM	SURVEY BASE ROADWAY REPAIR	(1) 18" 45° BEI	LL: ^ / / / /

- CONTRACTOR SHALL GROUT FILL

FORCE MAIN AFTER TAKING IT

OUT OF SERVICE.

AND ABANDON ENTIRE EXISTING

-EX. 30" DIP F

R/W LINE (D) (P) ____

S 00°14'53" W

STA: 308+37.25, 38.85'LT-

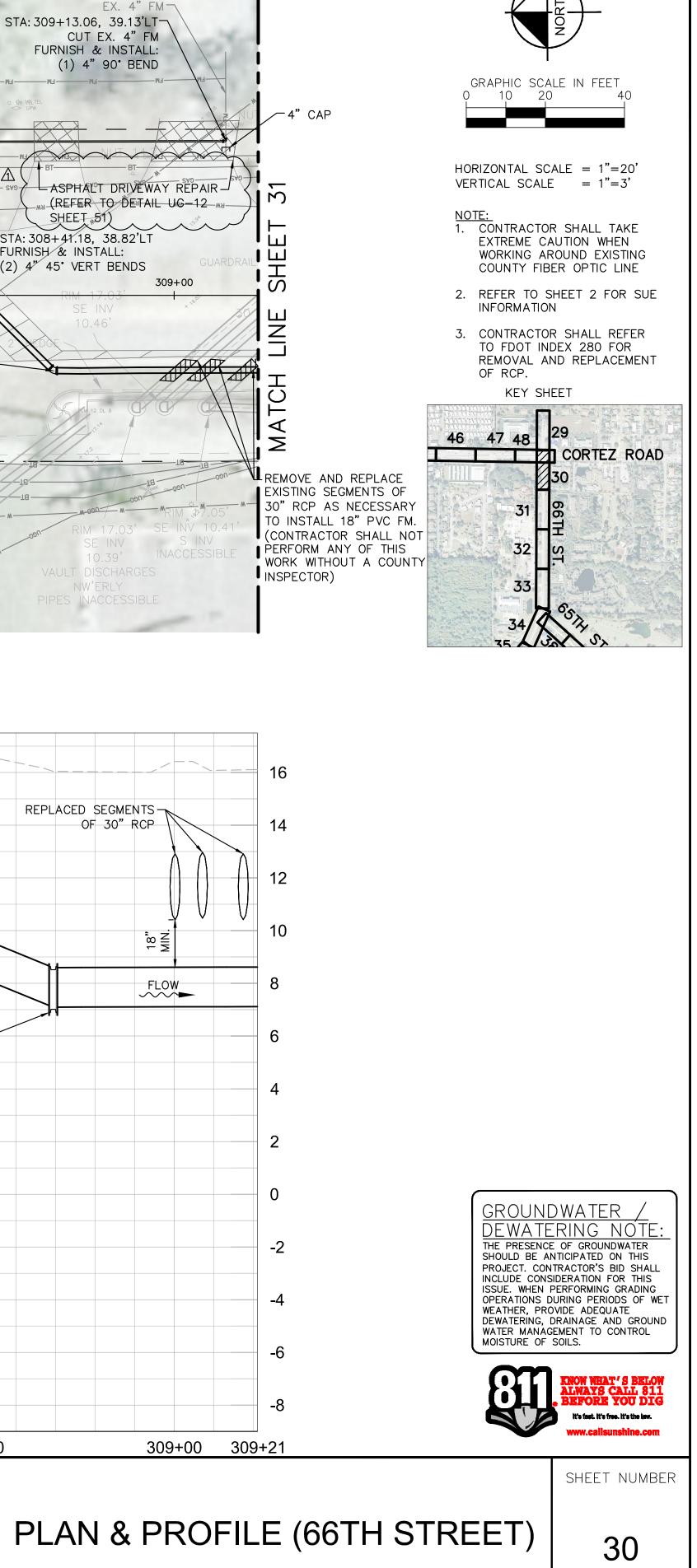
PROPOSED 4" PVC DR 18-

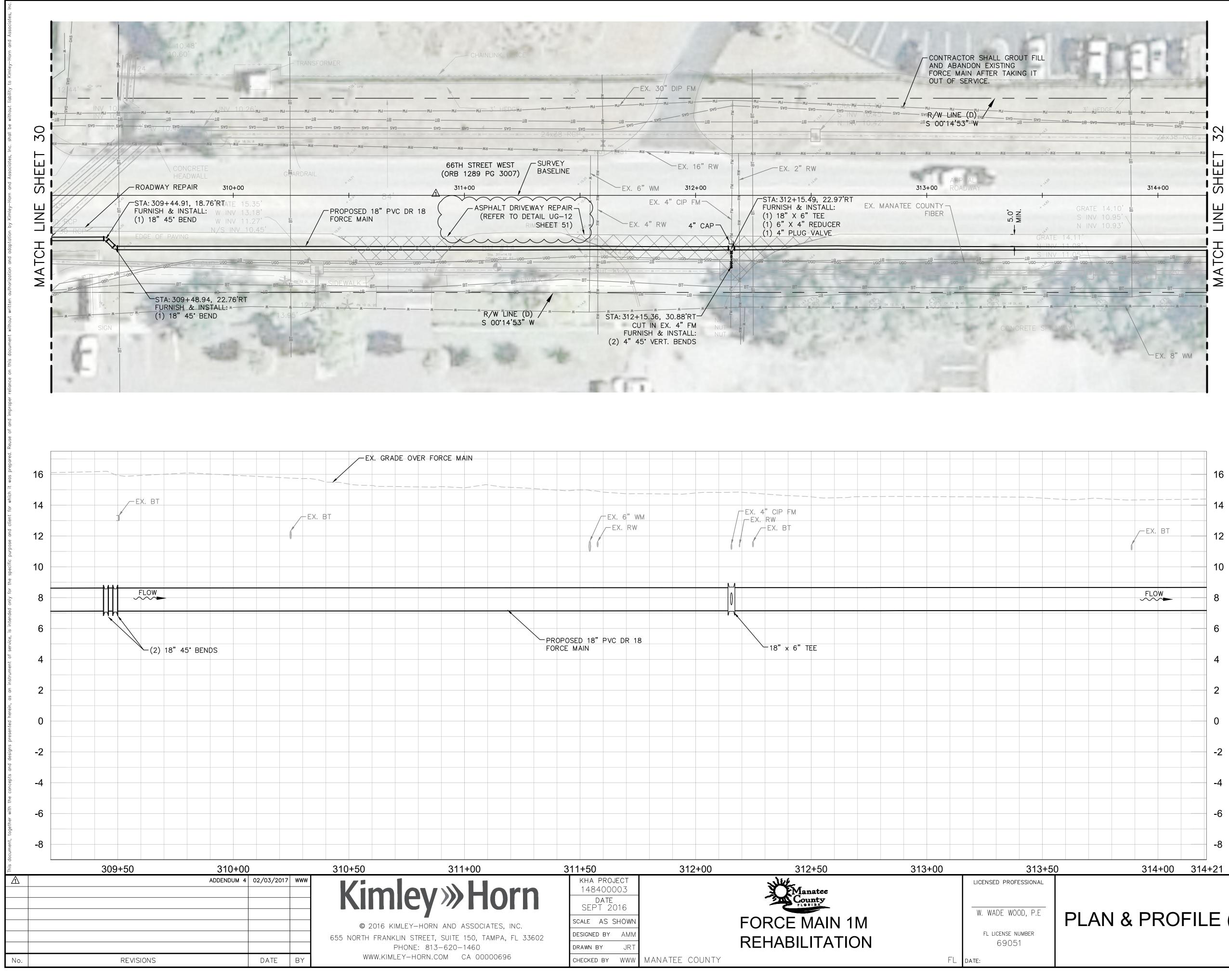
STA: 308+37.24, 8.414LT

FURNISH & INSTALL:

FORCE MAIN

(1) 4" 90° BEND





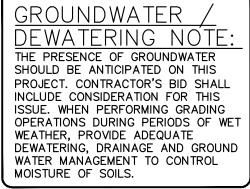
LINK FENCE			- CONTRACTOR SHALL GROUT AND ABANDON EXISTING FORCE MAIN AFTER TAKING	- 10.75
EX. 30" DIF	P FM	UPW	OUT OF SERVICE.	- *
3' HEDGWJ MJ MJ MJ MJ 3' HEDGWJ MJ MJ MJ MJ 10 10 10 540 5V0 5V0 50 55 - 05 - 05 - 05 - 05	BT CAS - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 5		-WJJWJWJWJWJWJWJWJWJWJWJWJWJW	<u>کمی محمد محمد محمد محمد محمد محمد محمد مح</u>
		ж ^{3⁵} ма ма ма ма ма	-WA	<u>з</u>
G 3007) SURVEY BASELINE EX. 6" WM	312+00 EX. 2" R	1.6 ⁶	ASPHAL1 3+00 ROADWAY	× 14th
HALT DRIVEWAY REPAIR FER TO DETAIL UG-12 RIMSHEET 51)	4" CAP	ISTALL: EX. MANATEE CO TEE REDUCER		X WE T
				GRATE 14 N INV 1
				UCC ROUGO
W LINE (D) 00°14'53" W (2) 4" 45° VERT. BE	B'RT	BT BT BT	BT BT BT 18 UI 40 M M M M M M M M M M M M M M M M M M M	TE SPILLWA

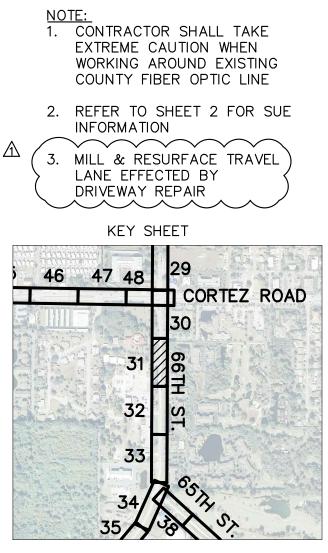
PLAN & PROFILE (66TH STREET)

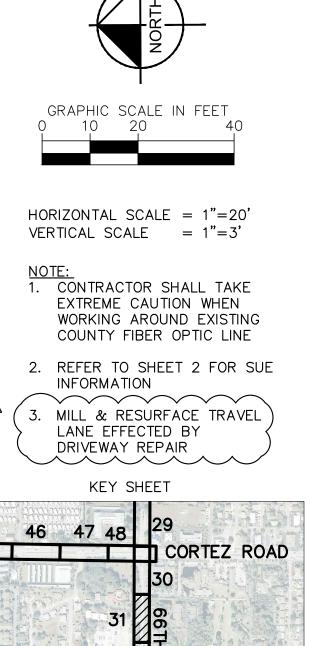
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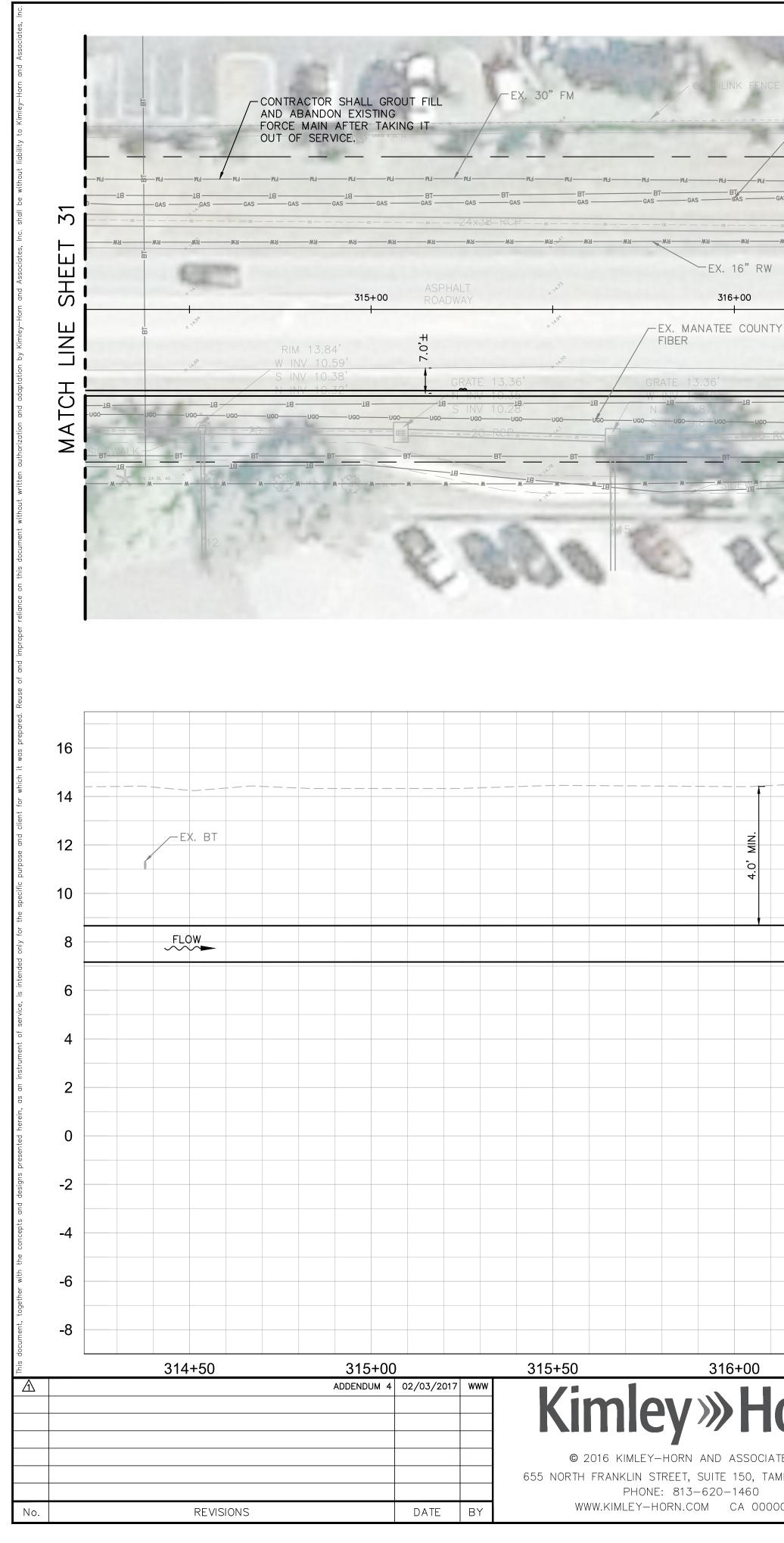
31









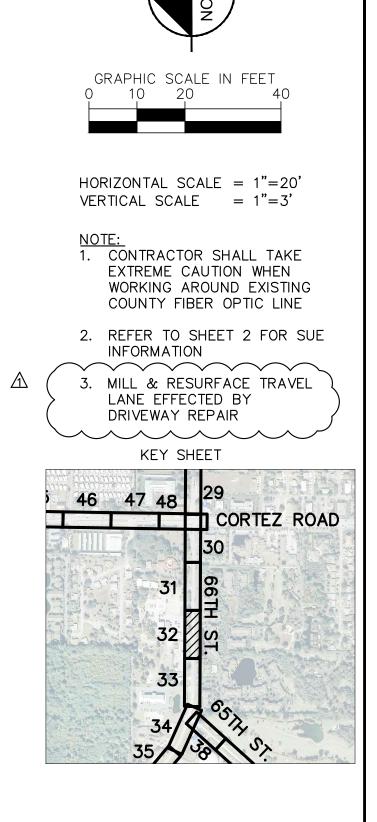


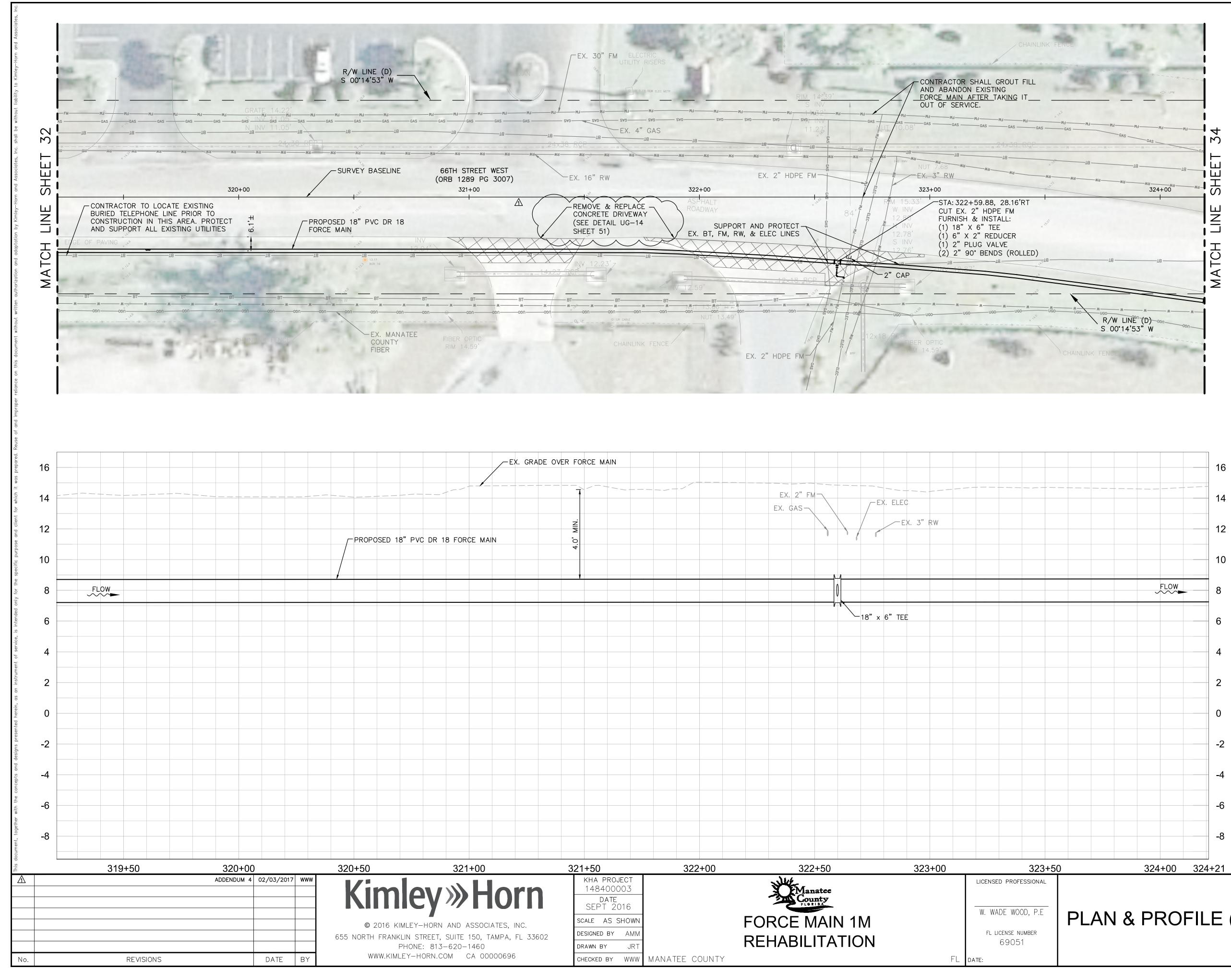
E EX. 4"GAS	R/W LINE (D) S 00°14'53" W			**-	**
		Ber - all	P. L mile	UNKN 10 PL S	х ² Шки 10 D
WWW		-FM		WJGASGASGASGASGASGASGAS	
ос — со —	ososososos	ери	аз	as	4x38 as RCPasx ^{b²} as
- SURVEY	w.	GRATE 13.66' S INV 10.88' 317+00 N INV 10.84'	× 1 ^{n,10}	318+00	
PROPOSED 18" P FORCE MAIN		EET WEST AASPHAI	T DRIVEWAY REPAIR TO DETAIL UG-12 51)	BURIED TELEPH CONSTRUCTION AND SUPPORT	O LOCATE EXISTING ONE LINE PRIOR TO IN THIS AREA. PROTECT ALL EXISTING UTILITIES EDGE OF PAVING
UGO	NUT 12 32'	10 PVC 10 PVC 5TA: 316+59.18, 23.20'RT		BT BT M - M M M M - OSON OSON OSON OSON OSON OSON OSON OSO	EX. 8" WM =
9 3	/ F (TURNISH & INSTALL: 1) 18" PLUG VALVE	R/W S 00*	LINE (D) 14'53" W	

	-EX. GRADE OVER FO	RCE MAIN						
						·		
				OPOSED 18" PVC DR 18 F	FORCE MAI	N		
							FLOW	
	U							
		"						
	-18	PLUG VALVE						
	316+50 KHA PROJECT	317+00	317+50	318-	+00	318+5 LICENSED PROFESSIONAL	0 <u>319+00</u>	319+
orn	148400003		Manatee					
	DATE SEPT 2016					W. WADE WOOD, P.E	PLAN & PRO	
TES, INC. MPA, FL 33602	SCALE AS SHOWN DESIGNED BY AMM		FORCE MAIN			FL LICENSE NUMBER		I IL
	DRAWN BY JRT		REHABILITA	HON		69051		
0696	CHECKED BY WWW	MANATEE COUNTY			FL	DATE:		

	4	
	2	
	0 GROUN	DWATER /
	-2 DEWAT	ERING NOTE: CE OF GROUNDWATER ANTICIPATED ON THIS INTRACTOR'S BID SHALL
	-4 INCLUDE CON ISSUE. WHEN OPERATIONS WEATHER, PF	DERATION FOR THIS PERFORMING GRADING DURING PERIODS OF WET ROVIDE ADEQUATE DRAINAGE AND GROUND
		GEMENT TO CONTROL
	-8	KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.
319+00 31	9+21	www.callsunshine.com
		SHEET NUMBER
PLAN & PROFIL	32	

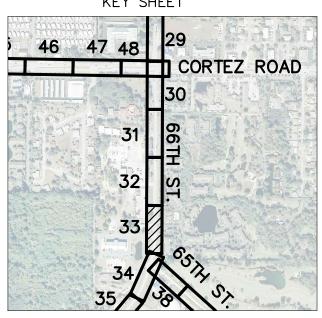
- * * *	*		i
M FM FM FM GAS GAS GA BM #150 GAS GA Sta. 318+80.85 Offset=28.66' LT	\S	GAS 	G
ASPHALT ROADWAY	319+00	- 05	
	- 18	4	
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EX. GRADE OV	ER FORCE MAIN							
			EX. 2" FM EX. GAS	EX. ELEC	;			
	ZI W			E>	K. 3" RW			
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				18" × 6" TEE				
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	321+50	322+00	322+50		323+00		323+50	_
orn	KHA PROJECT 148400003 DATE SEPT 2016		Manatee		323100	LICENSED PROFES		
TES, INC.	SCALE AS SHOW	V	FORCE MAII			W. WADE WOOI	D, P.E	F
IES, INC. IPA, FL 33602	DESIGNED BY AM	M	REHABILITA			FL LICENSE NUN 69051		
0696	DRAWN BY JR				FL			
	CHLORED BT WWW	WANAILL COUNTI			1 L	DATE:		-

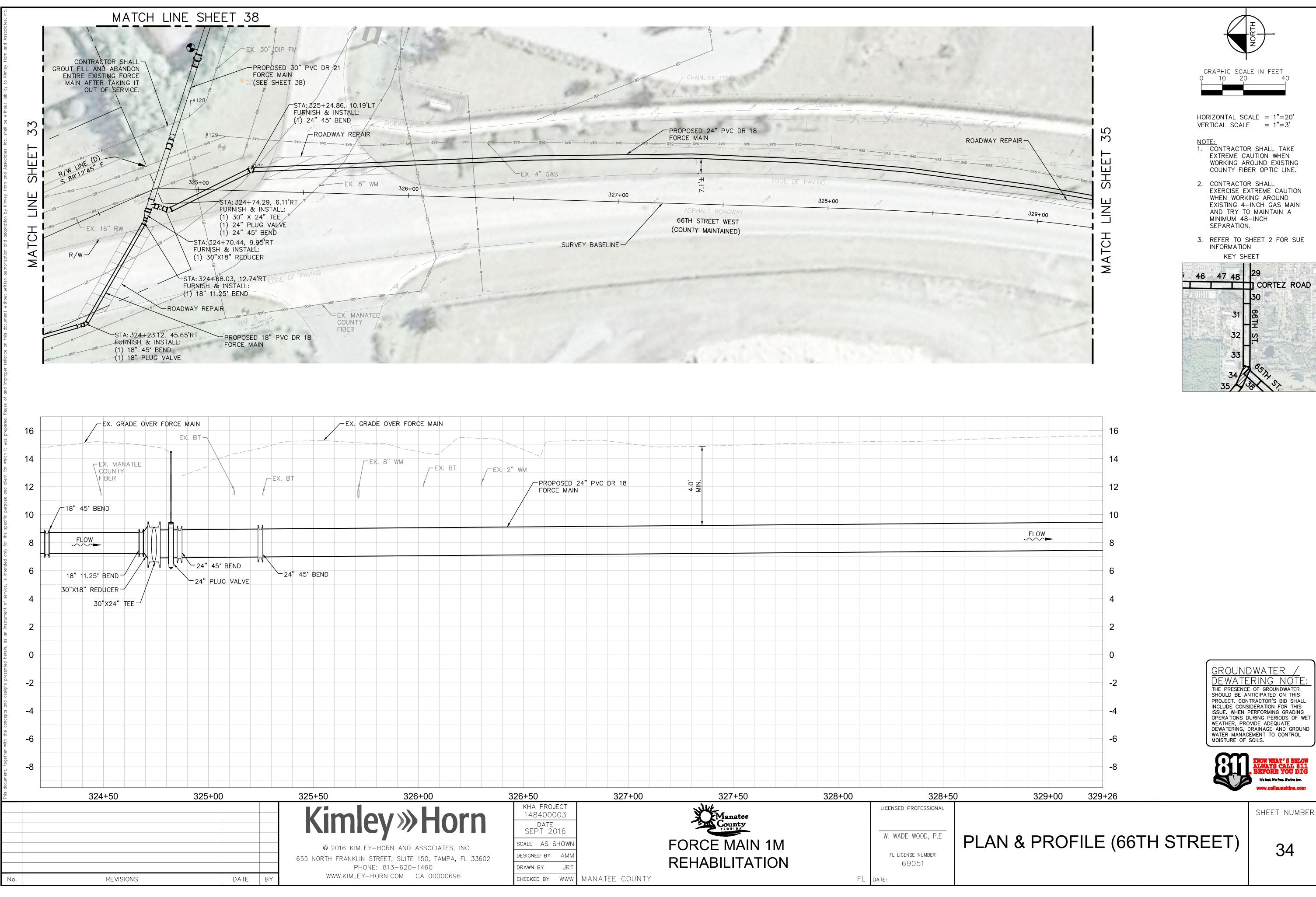
						6	
						4	
						2	
						0	
						-2	GROUNDWATER / DEWATERING NOTE: The presence of groundwater should be anticipated on this
						-4	PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE
						-6	DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.
						-8	KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.
			324	+00	324	+21	www.callsunshine.com
							SHEET NUMBER
PL	AN	8	PF	20	FIL	E	(66TH STREET) 33



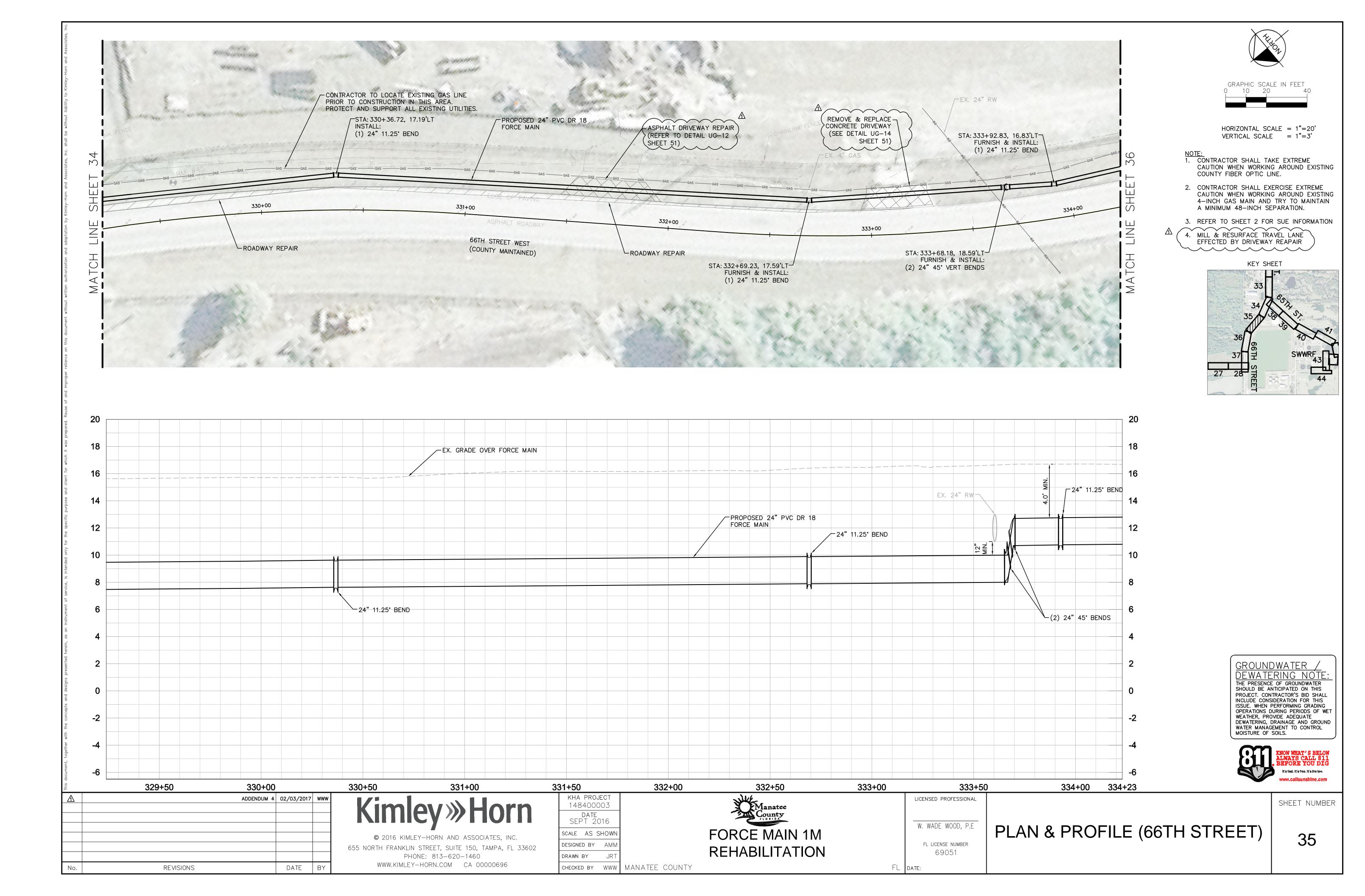
KEY SHEET

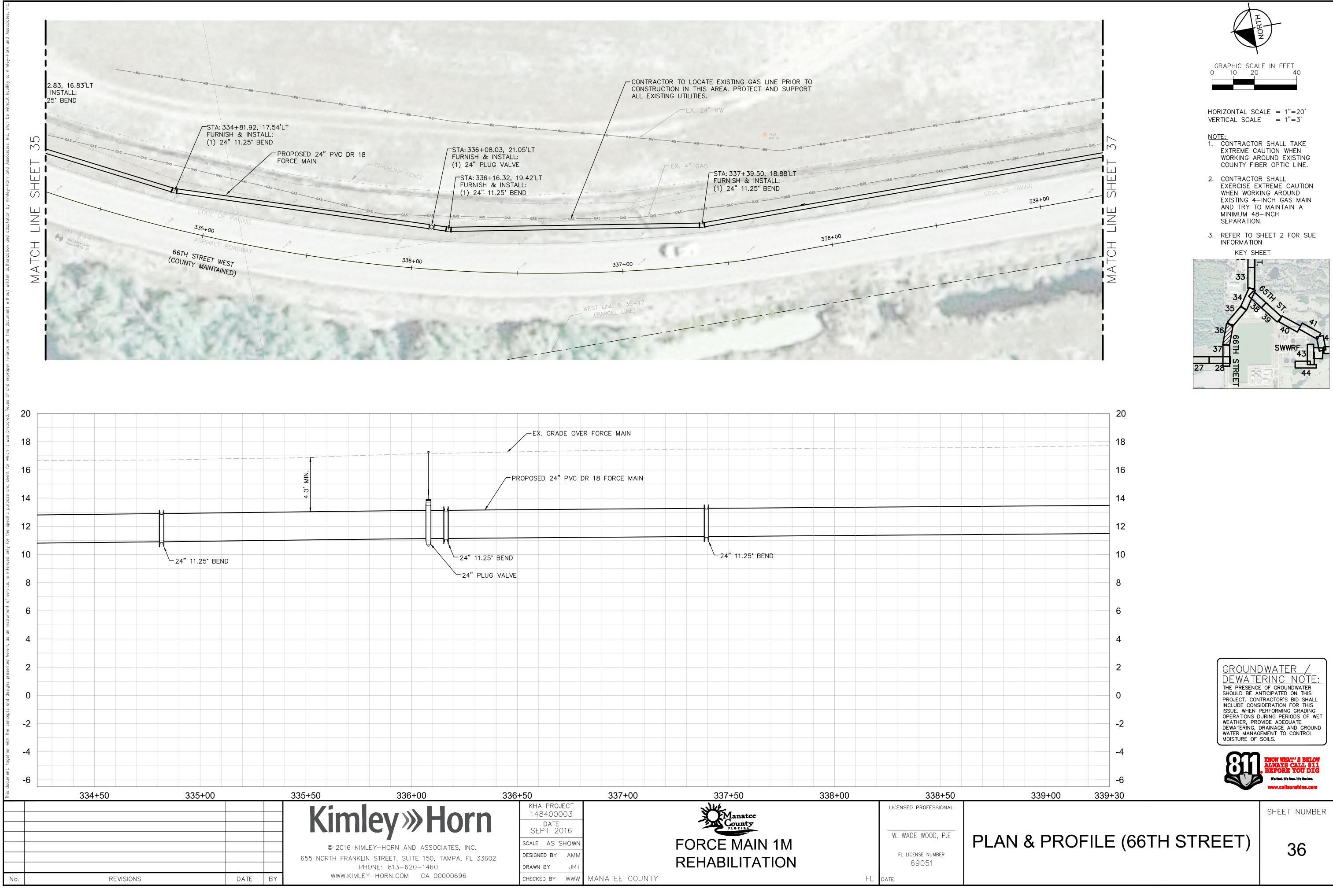
NOTE: 1. CONTRACTOR SHALL TAKE

- EXTREME CAUTION WHEN WORKING AROUND EXISTING COUNTY FIBER OPTIC LINE. 2. REFER TO SHEET 2 FOR SUE INFORMATION
- HORIZONTAL SCALE = 1"=20'VERTICAL SCALE = 1"=3'

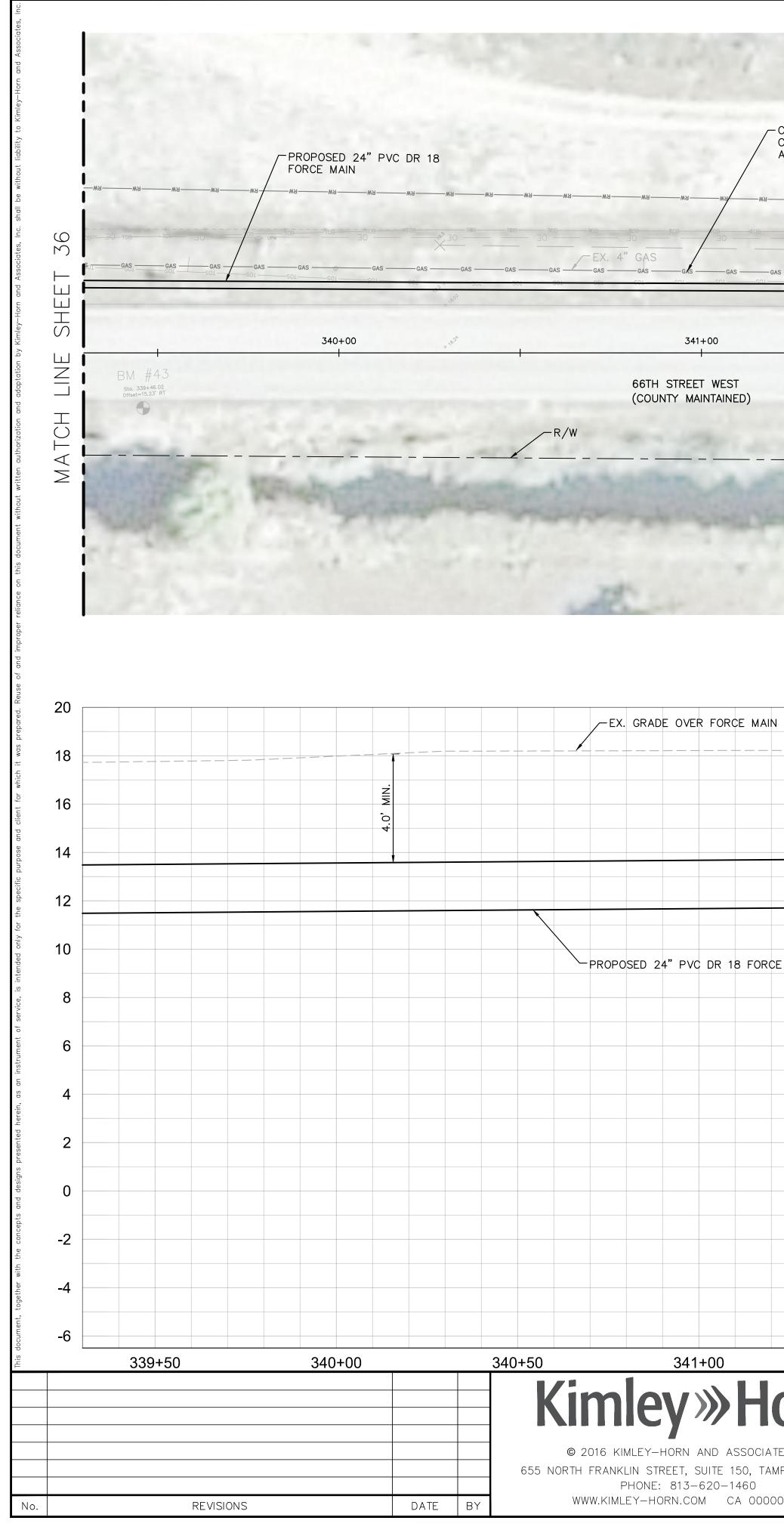


M			(COUNTY MAINTAINED)			
1949 1949 1950	SURVE	Y BASELINE				
,o						
	**					
			Tel VA			
BT /-	EX. 2" WM					
	/-PROPOSED 24	PVC DR 18	0. Z			
	FORCE MAIN		4. 2			
	326+50	327+00	327+50	328+00	328+50)
orn	KHA PROJECT 148400003		Manatee		LICENSED PROFESSIONAL	
orn	date SEPT 2016		FLORIDA		W. WADE WOOD, P.E	r
ES, INC.	SCALE AS SHOWN DESIGNED BY AMM		FORCE MAIN 1N		FL LICENSE NUMBER	ł
1PA, FL 33602	DESIGNED BY AMM DRAWN BY JRT		REHABILITATIO	N	69051	
0696		MANATEE COUNTY		FL	DATE:	





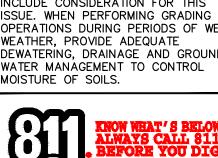
	EX. GRADE	OVER FORCE MAIN					
F	PROPOSED 24" P	VC DR 18 FORCE MAIN					
-24" 11.25° BEND -24" PLUG VALVI			24" 11.25° BEND				
336	6+50	337+00	337+50	338+00		338+50	
OTN TES, INC. MPA, FL 33602		<u>3</u> 6	FORCE MAIN 1M REHABILITATION		W. WADE	WOOD, P.E SE NUMBER	
0696	CHECKED BY W	WWW MANATEE COUNTY		F	L DATE:		



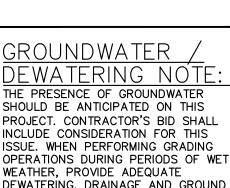
CONTRACTOR TO LC CONSTRUCTION IN T ALL EXISTING UTILIT	HIS AREA. PROTEC	S LINE PRIOR TO T AND SUPPORT	– EX. 24" RW	STA: 342+73.81, 17.16'L FURNISH & INSTALL: (1) 24" PLUG VALVE STA: 342+78.01, 16.6 FURNISH & INSTALL: (1) 24" 90' BEND	4'LT		
XTOB TOB TOB TOB TOB TOB SOL		ASGASGASGAS			$\frac{1}{10} = \frac{1}{10} $	NOTE: 1. CONTRACT EXTREME WORKING COUNTY F 2. CONTRACT	OR SHALL TAKE CAUTION WHEN AROUND EXISTING IBER OPTIC LINE. OR SHALL
× ***		342+00 +	EDGE OF	ROADWAY RI	<u>م 34</u> 3+57 EPAIR	WHEN WOF EXISTING 4 AND TRY MINIMUM 4 SEPARATIO	DN.
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E MAIN				24"90° BEND 24" PLUG VALVE	10 8		
					6		
					2	DEWAT THE PRESEN SHOULD BE	IDWATER / ERING NOTE ICE OF GROUNDWATER ANTICIPATED ON THIS
					-2	DEWATERING	ONTRACTOR'S BID SHAL NSIDERATION FOR THIS N PERFORMING GRADING DURING PERIODS OF N ROVIDE ADEQUATE , DRAINAGE AND GROU AGEMENT TO CONTROL F SOILS.
341+		342+00	342+50	343+00	-4 -6 343+50	ST.	KNOW WHAT'S BEL ALWAYS CALL 83 BEFORE YOU DI It's fast. It's free. It's the law. www.callsunshine.com
DTN es, inc. ipa, fl 33602 0696	KHA PROJECT 148400003 DATE SEPT 2016 SCALE AS SHOW DESIGNED BY AMM DRAWN BY JR	 Л	FORCE MAIN REHABILITA	TION	LICENSED PROFESSIONAL W. WADE WOOD, P.E FL LICENSE NUMBER 69051 DATE:	PLAN & PROFILE (66TH STREET)	SHEET NUME

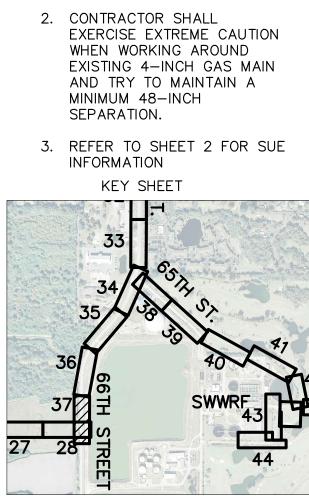


SHEET NUMBER

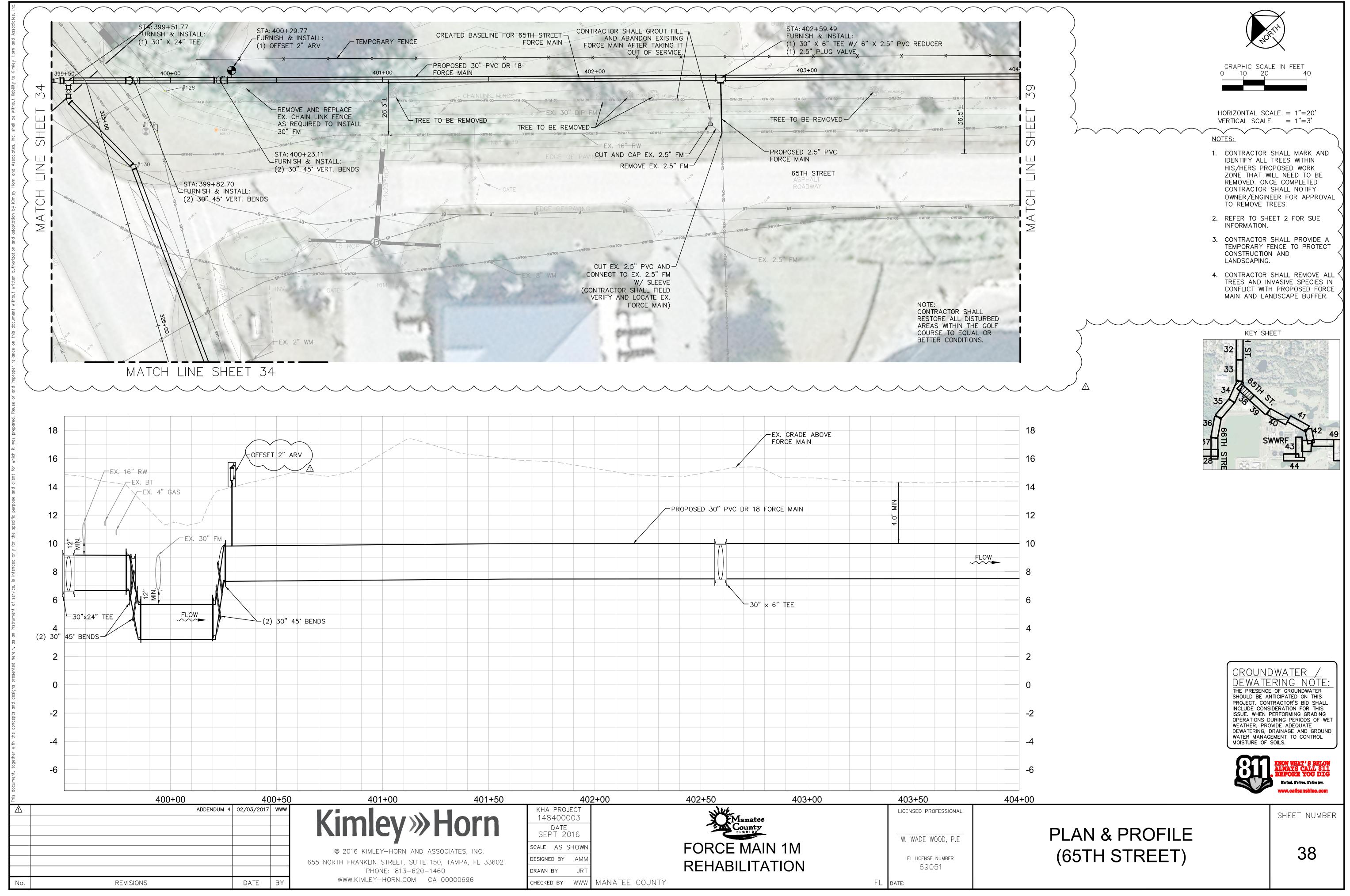


ATERING NOTE: ATERING NOTE: RESENCE OF GROUNDWATER DE ANTICIPATED ON THIS CT. CONTRACTOR'S BID SHALL E CONSIDERATION FOR THIS WHEN PERFORMING GRADING TIONS DURING PERIODS OF WET ER, PROVIDE ADEQUATE ERING, DRAINAGE AND GROUND MANAGEMENT TO CONTROL RE OF SOILS.

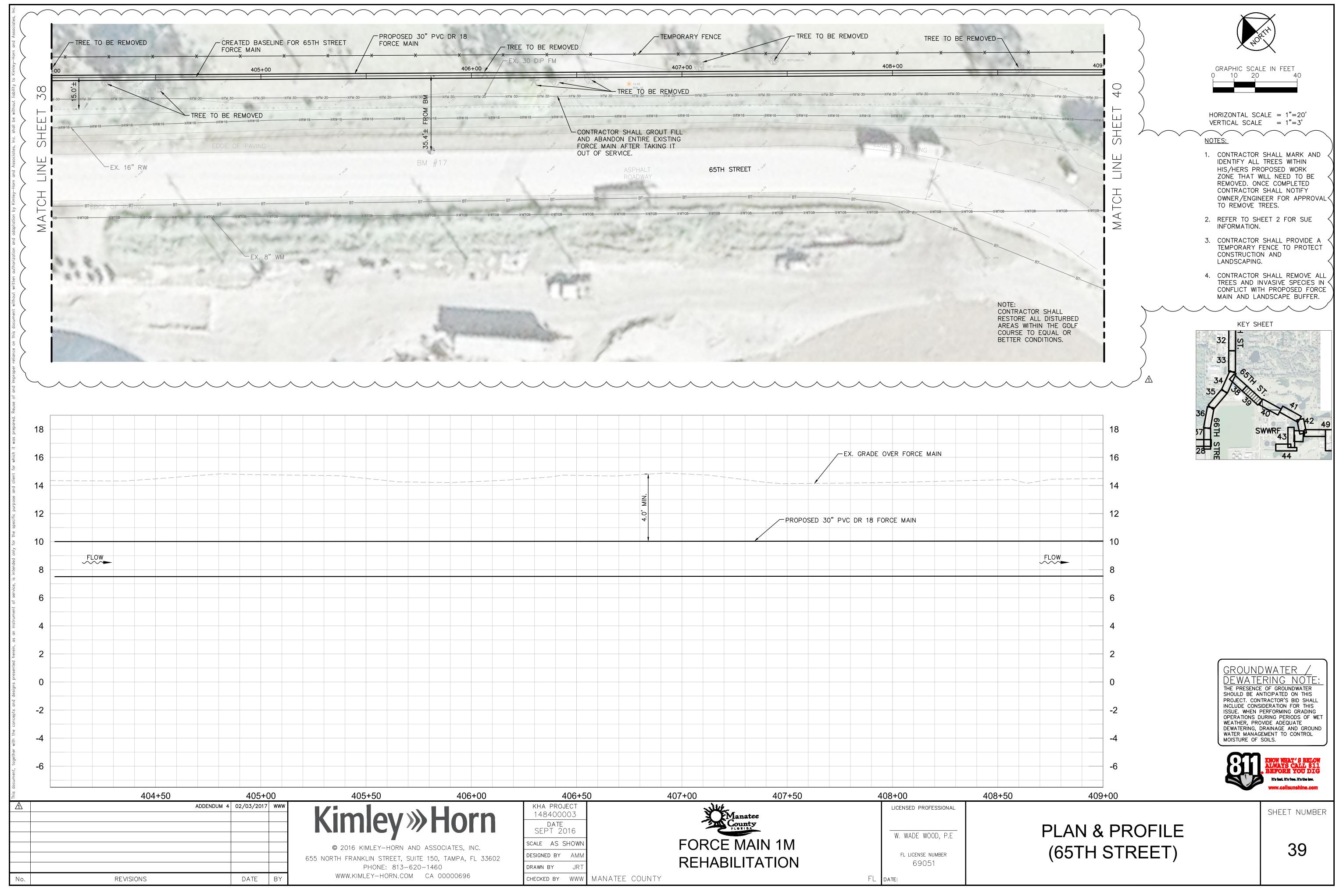




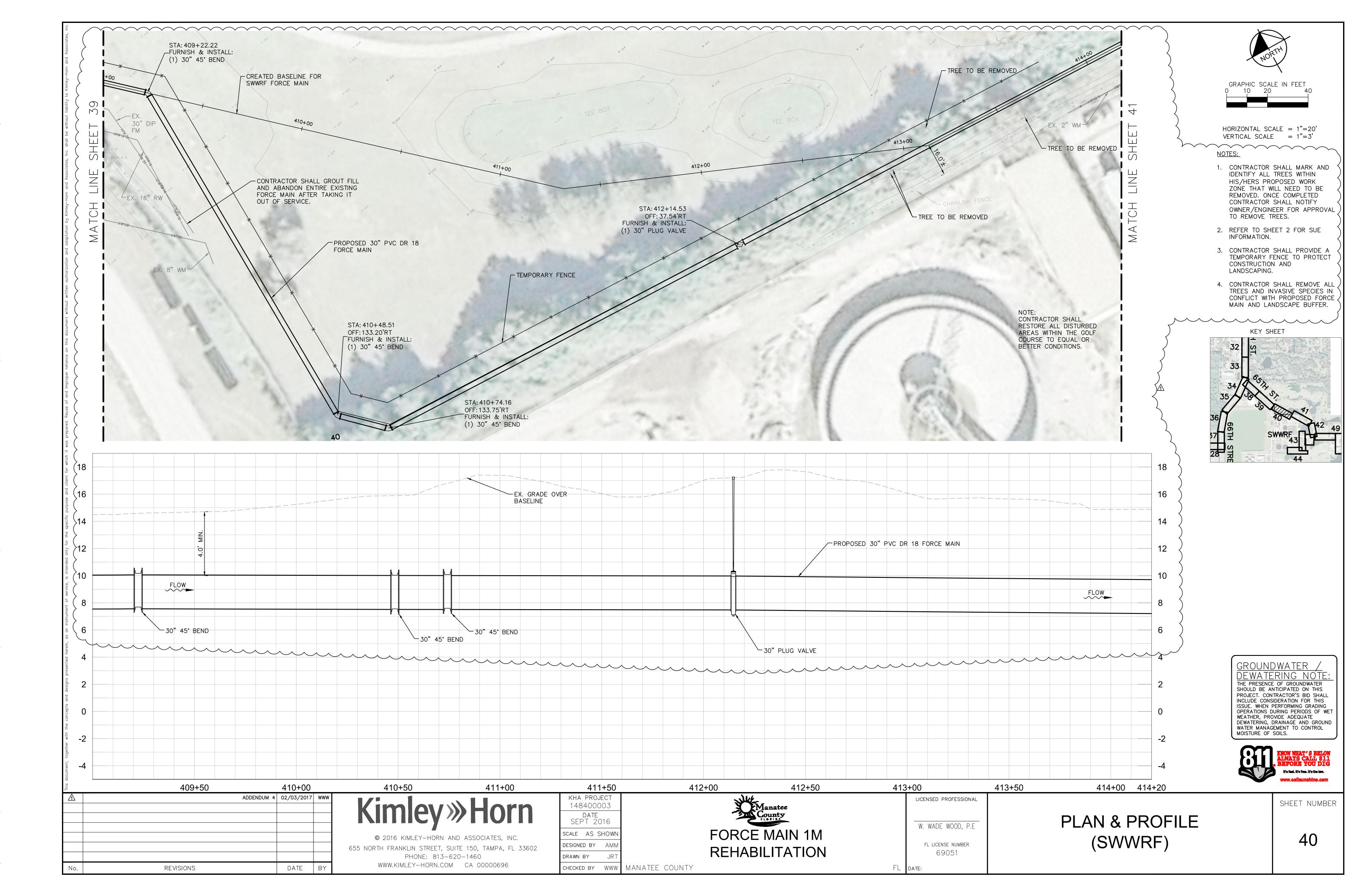


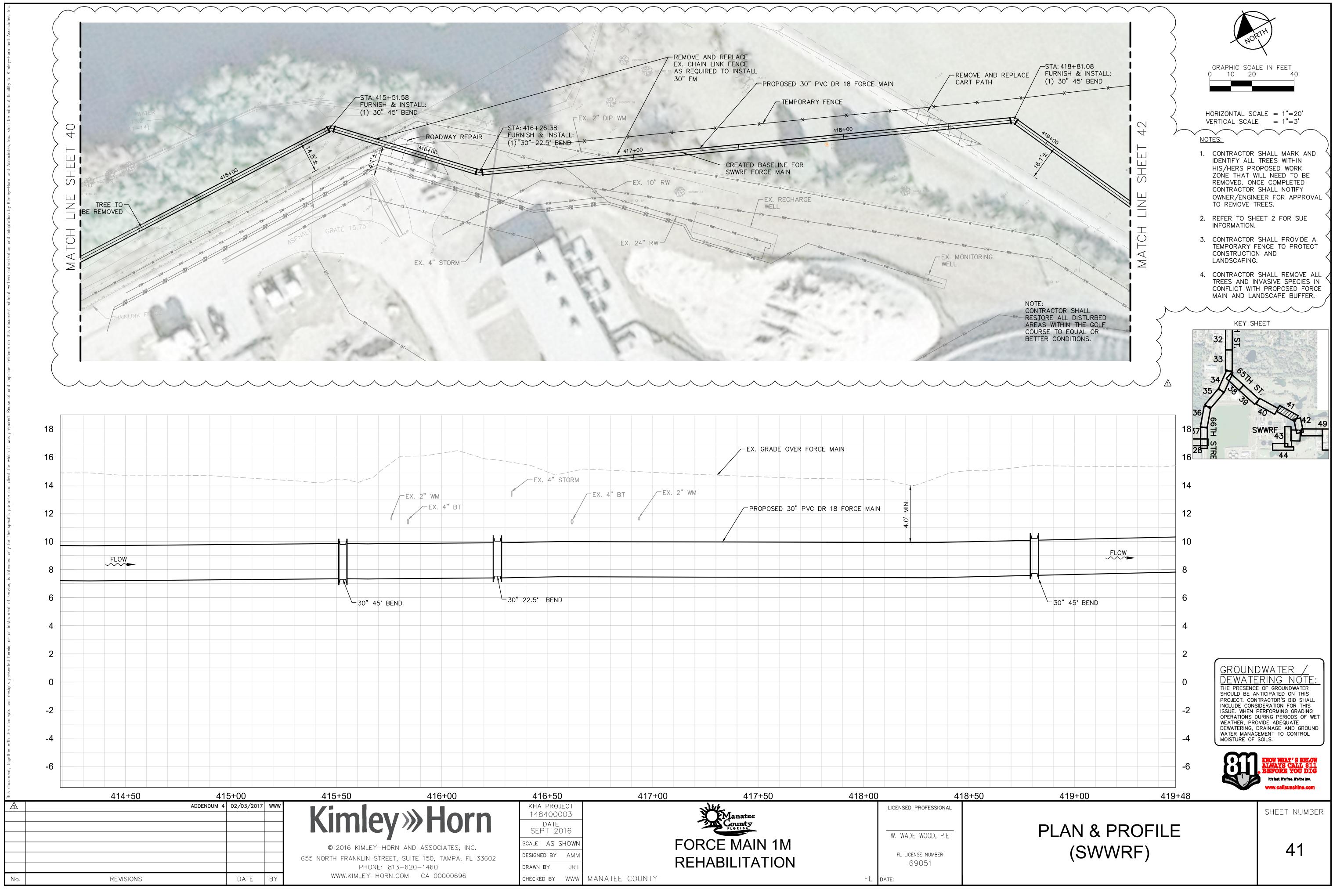


				-EX. GRADE ABOVE		
				FORCE MAIN		
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		F	PROPOSED 30" PVC DR	18 FORCE MAIN	Z W	
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			K A			
						FLC
				30" x 6" TEE		
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orn	KHA PROJECT 148400003		Man	atee	LICENSED PROFESSI	ONAL
orn	date SEPT 2016		Course of the test			
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TES, INC. MPA, FL 33602	DESIGNED BY AMM				FL LICENSE NUMB	ĒR
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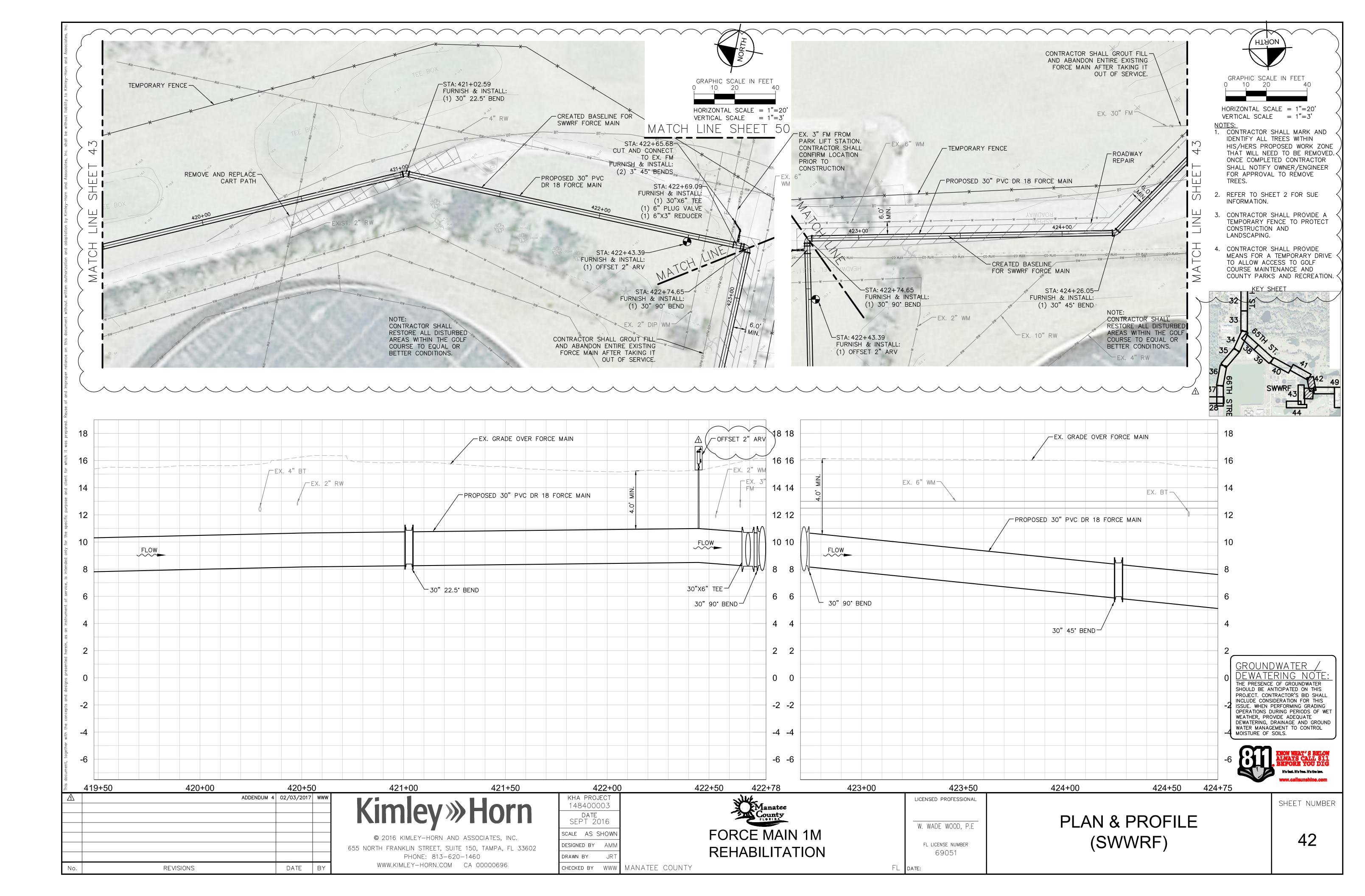


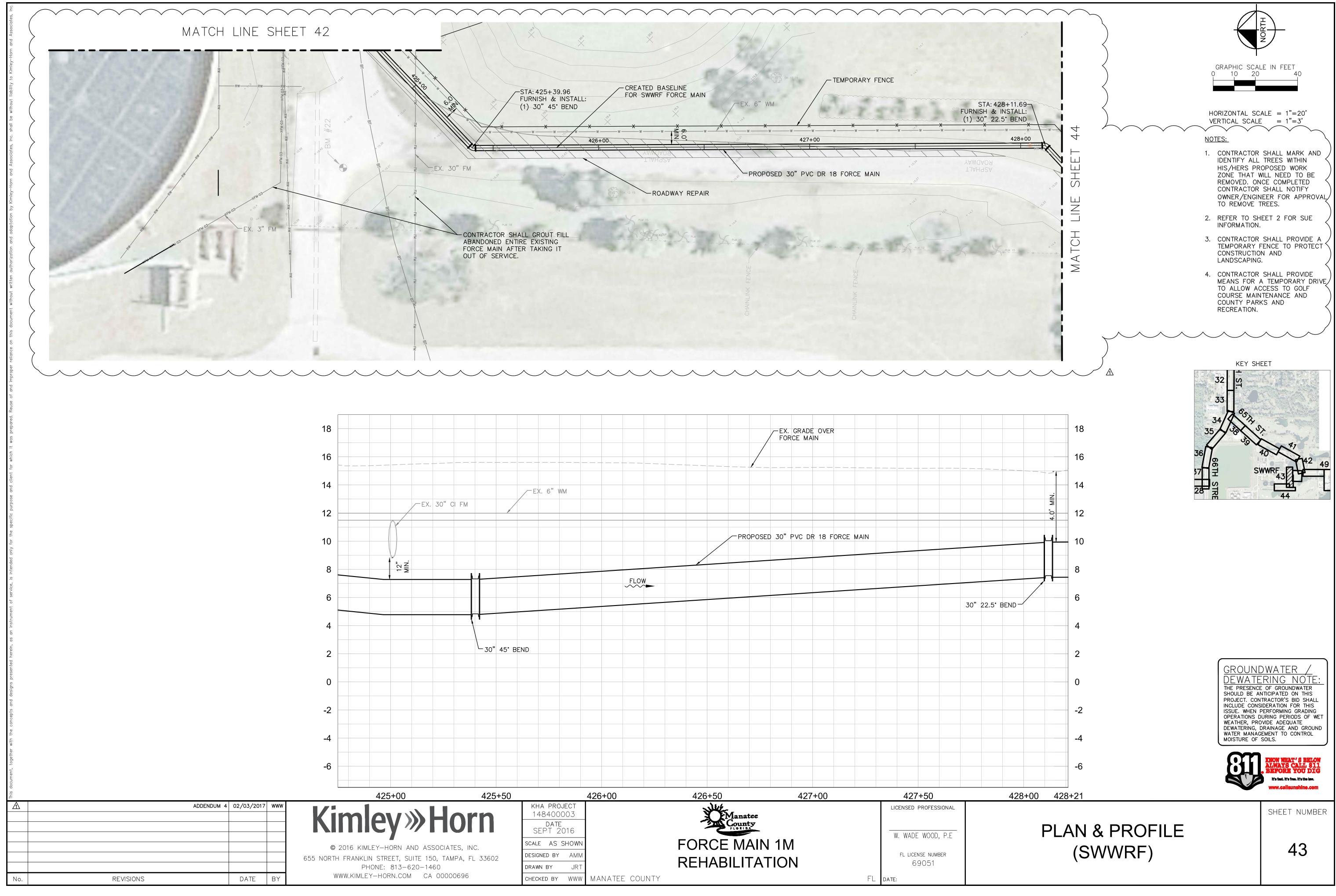
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orn	date SEPT 2016		The Court				-	W WAF	DE WOO	D P F		
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TES,	INC.			CALE	ATE T 201 AS SH	OWN					FOR			N 1M					ADE WC	OD, P.E	-
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							– EX. GRADE	OVER			
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		EX. 6"	WM								
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						PROPOSED) 30" PVC DR	18 FORCE MAIN			
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		DA SEPT scale As				CE MAIN	1 \ /		W. WADE	WOOD, P.E	
TES, IN MPA, FL	C. _ 33602	DESIGNED B	BY AMM							nse number 9051	
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