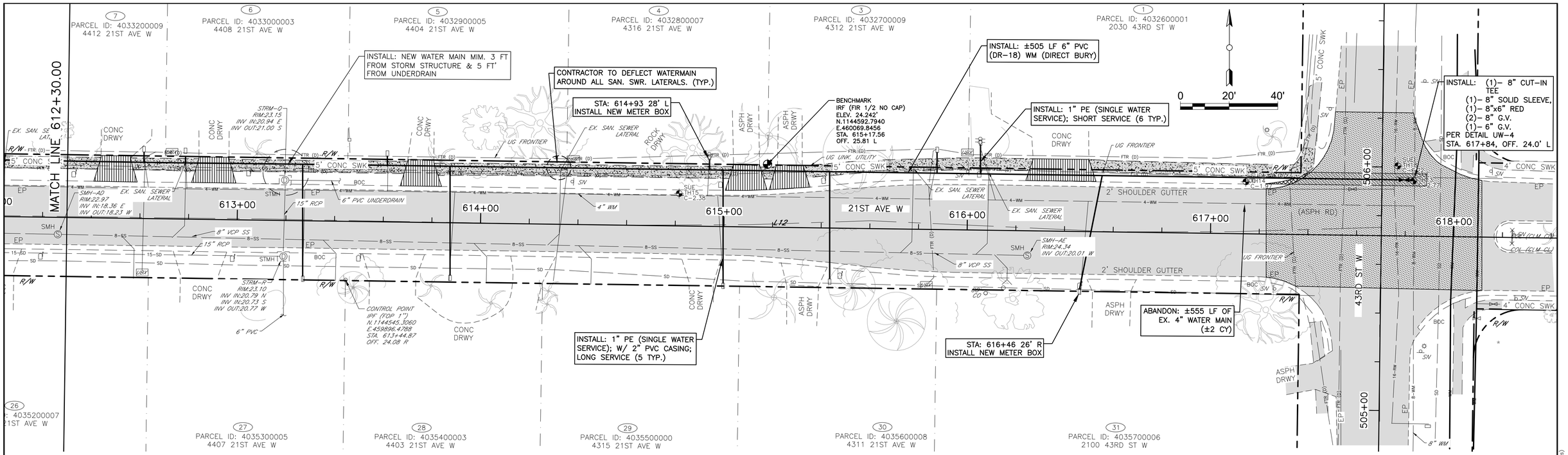
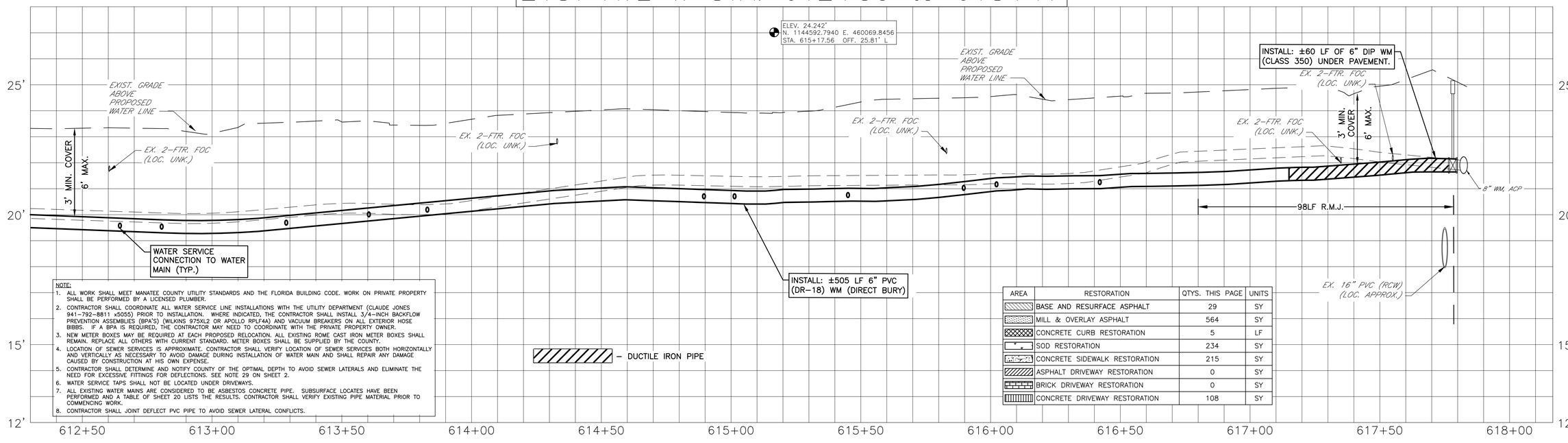


21ST AVE W STA: 612+30 to 618+17



NOTE:
1. ALL WORK SHALL MEET MANATEE COUNTY UTILITY STANDARDS AND THE FLORIDA BUILDING CODE. WORK ON PRIVATE PROPERTY SHALL BE PERFORMED BY A LICENSED PLUMBER.
2. CONTRACTOR SHALL COORDINATE ALL WATER SERVICE LINE INSTALLATIONS WITH THE UTILITY DEPARTMENT (CLAUDE JONES 941-792-8811 x5055) PRIOR TO INSTALLATION. WHERE INDICATED, THE CONTRACTOR SHALL INSTALL 3/4-INCH BACKFLOW PREVENTION ASSEMBLIES (BPA'S) (WILKINS 975XL2 OR APOLLO RPLF4A) AND VACUUM BREAKERS ON ALL EXTERIOR HOSE BIBBS. IF A BPA IS REQUIRED, THE CONTRACTOR MAY NEED TO COORDINATE WITH THE PRIVATE PROPERTY OWNER.
3. NEW METER BOXES MAY BE REQUIRED AT EACH PROPOSED RELOCATION. ALL EXISTING ROME CAST IRON METER BOXES SHALL REMAIN. REPLACE ALL OTHERS WITH CURRENT STANDARD. METER BOXES SHALL BE SUPPLIED BY THE COUNTY.
4. LOCATION OF SEWER SERVICES IS APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION OF SEWER SERVICES BOTH HORIZONTALLY AND VERTICALLY AS NECESSARY TO AVOID DAMAGE DURING INSTALLATION OF WATER MAIN AND SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION AT HIS OWN EXPENSE.
5. CONTRACTOR SHALL DETERMINE AND NOTIFY COUNTY OF THE OPTIMAL DEPTH TO AVOID SEWER LATERALS AND ELIMINATE THE NEED FOR EXCESSIVE FITTINGS FOR DEFLECTIONS. SEE NOTE 29 ON SHEET 2.
6. WATER SERVICE TAPS SHALL NOT BE LOCATED UNDER DRIVEWAYS.
7. ALL EXISTING WATER MAINS ARE CONSIDERED TO BE ASBESTOS CONCRETE PIPE. SUBSURFACE LOCATES HAVE BEEN PERFORMED AND A TABLE OF SHEET 20 LISTS THE RESULTS. CONTRACTOR SHALL VERIFY EXISTING PIPE MATERIAL PRIOR TO COMMENCING WORK.
8. CONTRACTOR SHALL JOINT DEFLECT PVC PIPE TO AVOID SEWER LATERAL CONFLICTS.

AREA	RESTORATION	QTYS. THIS PAGE	UNITS
	BASE AND RESURFACE ASPHALT	29	SY
	MILL & OVERLAY ASPHALT	564	SY
	CONCRETE CURB RESTORATION	5	LF
	SOD RESTORATION	234	SY
	CONCRETE SIDEWALK RESTORATION	215	SY
	ASPHALT DRIVEWAY RESTORATION	0	SY
	BRICK DRIVEWAY RESTORATION	0	SY
	CONCRETE DRIVEWAY RESTORATION	108	SY

NO.	REVISION DESCRIPTION	BY	DATE
1	revised note 2; rev. PVC LF	JSS	6/19
2	revised notes 2&3 and BPA installation locations	JSS	9/19
3	Revised water main connection at Sta 617+84.	JSS	11/19

WILLOW WOODS & LAKES ESTATES
WATER MAIN UPGRADE

PLAN & PROFILE
21ST AVE W-612+30-618+17

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

PROJECT #	404.6089170	
SURVEY #	0577-0032	
SEC./TWN./RGE	33/34/17	
SCALE	SEE PLAN	
	BY	DATE
SURVEYED	FDC	JAN 17
DESIGNED	JSS	MAY 17
DRAWN	CAK	MAY 17
CHECKED	JSS	MM/YYYY

J. SHEA SHOUN, P.E.
FLORIDA REGISTRATION NO. 60923
JOHN "SHEA" SHOUN LICENSE No. 60923 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNATURE AND DATE 11/22/19

SHEET 14 OF 22

H:\Util Eng Design\PROJ\~WTR LINE Proj\Willow Woods & Lakes Estates WM Upgrade\DWGS\~P_Willow Woods.dwg,14, 11/22/2019 1:51 PM Shea Shoun, 1:1, ANSI full bleed D (34.00 x 22.00 Inches)