ITB 19-01: ROBERTS DRIVE SIGNAL INSTALLATION

ADDENDUM #1, February 6, 2019

The Bid documents have been modified as follows:

- 1. Are there any major underground utilities in the project limits? **RESPONSE:** See attached Utility drawings furnished for your information/reference only. Contractor shall be responsible to coordinate required utility re-locations and "Call Before You Dig".
- 2. Where is the location of the existing power panel that is going to feed the flashers? Outside or Inside? **RESPONSE:** Use the same power source as the signal cabinet. See attached drawing for more details. (See attached plans: Roberts Drive Boring and Roberts Signal dated Feb. 5, 2019)
- 3. Is there enough space in the existing power panel for the additional circuit? **RESPONSE**: YES
- 4. Is there a particular brand or model of a 4G Cellular Router that the city prefers? **RESPONSE:** N/A. This device has been omitted from the plan.
- 5. Who is the city's service provider of cellular service for the routers? **RESPONSE:** N/A. The wireless router is no longer required due to fiber optic cable drop/extension from the adjacent traffic signal at Roberts/Chamblee-Dunwoody Road.
- 6. Please confirm that all post mounted signs are excluded from the traffic signal scope.

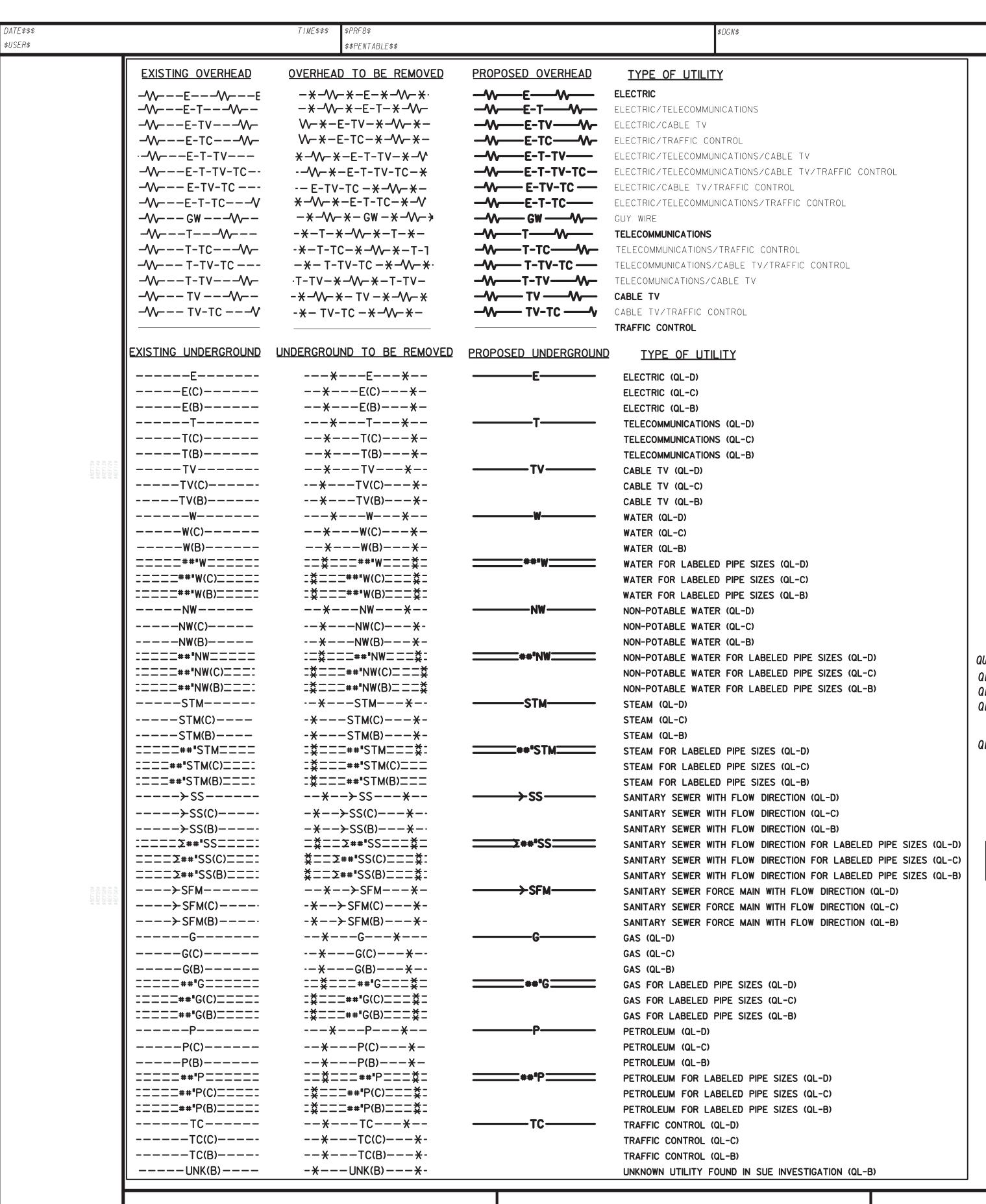
 **RESPONSE: Bidders shall include the signs noted on Sheets 27-0003 (R10-5A, R10-3E(L), R10-3(R), S1-1 and D3-1 (1 thru 3)) and 27-0004.
- Please confirm if the city wants the fire station flasher poles are to black also. RESPONSE: YES.
- 8. Please confirm if the flasher time switch has to be pager programmable or will the city take in consideration a time switch that is not pager programmable? **RESPONSE:** This item has been removed from the project scope. Do not include in your bid proposal.
- 9. Please confirm that the CPR 2102 is the correct choice for this application. The CPR 2102 is a pager programmable time switch which is intended to run schedules. **RESPONSE:** This item has been removed from the project scope. Do not include in your bid proposal.
- 10. We have a signal contactor that would like to put in a bid on the Roberts Drive Signal Project as a subcontractor to us -- they do not want to be the Prime for this project. The bid documents have a 50% participation requirement for the prime contractor and since we do not perform signal work in-house can we do one of the following to satisfy the requirement:
 - a. Purchase all the materials for the project and install the Mast arm bases, leaving signal install to our sub.. or.... **RESPONSE:** No
 - b. Utilize an "Employee Lease Agreement" for the entirety of the signal scope? We can provide an example of this option if you like. **RESPONSE:** No
- 11. The fire station flasher assembly calls for a programmable pager (27-006). Can the city give us information on what programmable pager they need for this? **RESPONSE:** This item has been removed from the project scope. Do not include in your bid proposal.
- 12. For the fire station flasher assembly what is the desired power method and is there any information on where to get power from if AC is desired? **RESPONSE:** AC power will come from the signal cabinet via conduit. See drawing per Note 2 above.

ITB 19-01, Roberts Drive Signal Installation ADENDUM #1, Feb. 5, 2019

- 13. The completion time is stated as 180 calendar days from NTP. There are currently two GDOT approved pole manufacturers for mast arm fabrication. The manufacturer with the shortest lead time is 22 weeks to include powder coating. The other manufacturer is quoting 36 38 weeks lead time. The lead time for acquiring submittal documents ranges from 1 3 weeks between the two. With best possible case scenario of 22 weeks & 2 weeks for submittal documents, 168 calendar days of the allotted 180 days would be used. This does not include the amount of time the City would need to approve or reject the submittals provided. It is highly unlikely enough time would be added to accommodate the second manufacturer's lead time, but would the City consider allotting 220 240 calendar days for construction? **RESPONSE:** The new Austin Elementary School opens on January 2, 2020. The new signal must be operational by then, including 30-day Burn-In. Contract duration shall be revised to 240 days.
- 14. The notes for the fire station flasher state the power breaker/disconnect shall be installed on the power pole. Is the contractor to establish a new service point for these flashers or install conduit to the service point for the traffic signal? **RESPONSE:** The power for the flashers will come from the new signal cabinet.
- 15. Where does the conduit to the fire station from the Pull Box, TP 3 terminate? **RESPONSE:** The conduit to the fire station has been omitted. Should a pull box be installed outside the fire station for termination by others? **RESPONSE:** No. Are the flashers to be push button activated in conjunction with the RTC programmable time switch? **RESPONSE:** Yes. There will be a wireless push button mounted on the inside wall of the fire station at the truck bays. The RTC programmable switch has been omitted from the scope.

Attachments:

Utility Plans, 24-000 thru 24-0006, dated 01.22.2019 (for Reference/Information only) Roberts Drive additional boring/conduit, dated 02.05.2019 Roberts Signal (Fire Station Flasher Assembly), dated 02.05.2019



UTILITY LEGEND				UTILITY CELLS				
	EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
	E	E	E	ELECTRIC MANHOLE	W	W		WELL
	H	н	H	HAND HOLE	w	w	w	WATER VAULT
	Е	Е	E	TRANSFORMER	w	W		WATER VALVE MARKER
	E	E	E	ELECTRIC METER		(A)	(A)	STAND PIPE
	\rightarrow	-		UTILITY POLE/GUY POLE	<u> </u>	0	•	CLEANOUT
	\Diamond	*		LIGHT POLE	(\$\$)	SS	S S	SANITARY SEWER MANHOLE
	~	-	$\overline{}$	GUY ANCHOR	ARV	ARV	(ARV)	AIR RELEASE VALVE
	E	E	E	ELECTRIC BOX	GT	GT	GT	GREASE TRAP
	M	M		MARKER	<u></u>	<u> </u>	(S)	SANITARY SEWER FORCE MAIN VALVE
	T	•	T	TELECOMMUNICATIONS MANHOLE		ŗ	<u>©</u>	VENT
	Т	T		TELECOMMUNICATIONS PEDESTAL	<u>©</u>	G	<u>G</u>	GAS VALVE
	х	x	X	SPLICE BOX	G	G	G	GAS METER
	SLC	SLC	SLC	SUBCRIBER LOOP CARRIER (aka "SLICK")	G	G	G	GAS MANHOLE
				CABINET	(GPR)	GPR	(GPR)	GAS PRESSURE REGULATOR
))	D	PHONE BOOTH	G	G	G	GAS VAULT
	Ĭ	¥		CABLE TV PEDESTAL	GTS	GTS	GTS	GAS TEST STATION
	(TV)	TV		CABLE TV MANHOLE	(P)	P	P	PETROLEUM VALVE
Ì						MISC.		
	₩ ₩	•	@	WATER VALVE	_	<u>ro</u> s+		LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
	(W) (W)	w	(W)	WATER METER WATER MANHOLE		TH		TEST HOLE (QL-A ONLY)
	Ø	~	©	FIRE HYDRANT ASSEMBLY		EOI		END OF INFORMATION
	BFP	BFP	ВГР	(INCLUDES ASSOCIATED VALVE) BACKFLOW PREVENTER		>		
	PIV	PIV		PRESSURE INDICATOR VALVE				QUALITY LEVEL (QL) DELINEATION
				THEODORE INDICATOR TALTE		123		POLE ID

QUALITY LEVELS AND DEFINITIONS

ARV

- QL-D GAS/TELEPHONE/CABLE/POWER INFORMATION IS DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED. QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.
- QL-B WATER/SEWER INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.
- QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE. A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE TELEPHONE PAIR SIZE TELEPHONE CABLE DIAMETER 0.50 TO 2.00 IN UP TO 3.50 IN 101 - 2400

ARV

AN OVERHEAD/SUBSURFACE UTILITY ENGINEERING INVESTIGATION (SUE) WAS PERFORMED AND COMPLETED ON 07/17/17 FOR THIS PROJECT. THE EXISTING OVERHEAD AND UNDERGROUND FACILITIES SHOWN HEREON WERE INCLUDED IN THIS SUE INVESTIGATION. THE PRESENCE OF THESE UTILITY FACILITIES HAVE BEEN THOROUGHLY INVESTIGATED AND THE METHOD OF DETERMINING THEIR LOCATION IS INDICATED AS SHOWN IN THE PLANS. UTILITIES THAT HAVE BEEN INSTALLED AFTER THE DATE ABOVE HAVE NOT BEEN INCLUDED IN THIS INVESTIGATION AND SHOULD BE CONSIDERED AS FROM RECORD DRAWING ONLY. ALL OTHER EXISTING TOPOGRAPHIC FEATURES DEPICTED HEREON HAVE BEEN REFERENCED FROM A TOPOGRAPHIC/MAPPING SURVEY AND CONTROL PACKAGE PROVIDED BY WOLVERTON INC. AND DATED 05/05/17.

(A01)

ALL THE FOLLOWING UTILITY OWNERS WERE REPORTED TO HAVE FACILITIES WITHIN THE VICINITY OF THIS PROJECT AT THE TIME OF THE SUE INVESTIGATION. UTILITIES FOUND WITHIN THE LOS AT THE TIME OF THE SUE INVESTIGATION ARE NOTED FOR EACH UTILITY OWNER LISTED AND ARE SHOWN ON THE PLANS HEREON.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL VALVES. METERS. MANHOLES. AND FIRE HYDRANTS AND ADJUSTING TO GRADE.

ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES HAVE BEEN LOCATED THROUGH FIELD SURVEY AND COORDINATION WITH UTILITY COMPANIES FOR EXISTING LOCATIONS. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL. RELOCATED. OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES. WHICH ARE IN CONFLICT WITH CONSTRUCTION ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THIS WORK.

UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER. 811 OR 1-800-282-7411. FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 OF THE GADOT STANDARDS SPECIFICATION, "COOPERATION WITH UTILITIES".

AIR RELEASE VALVE



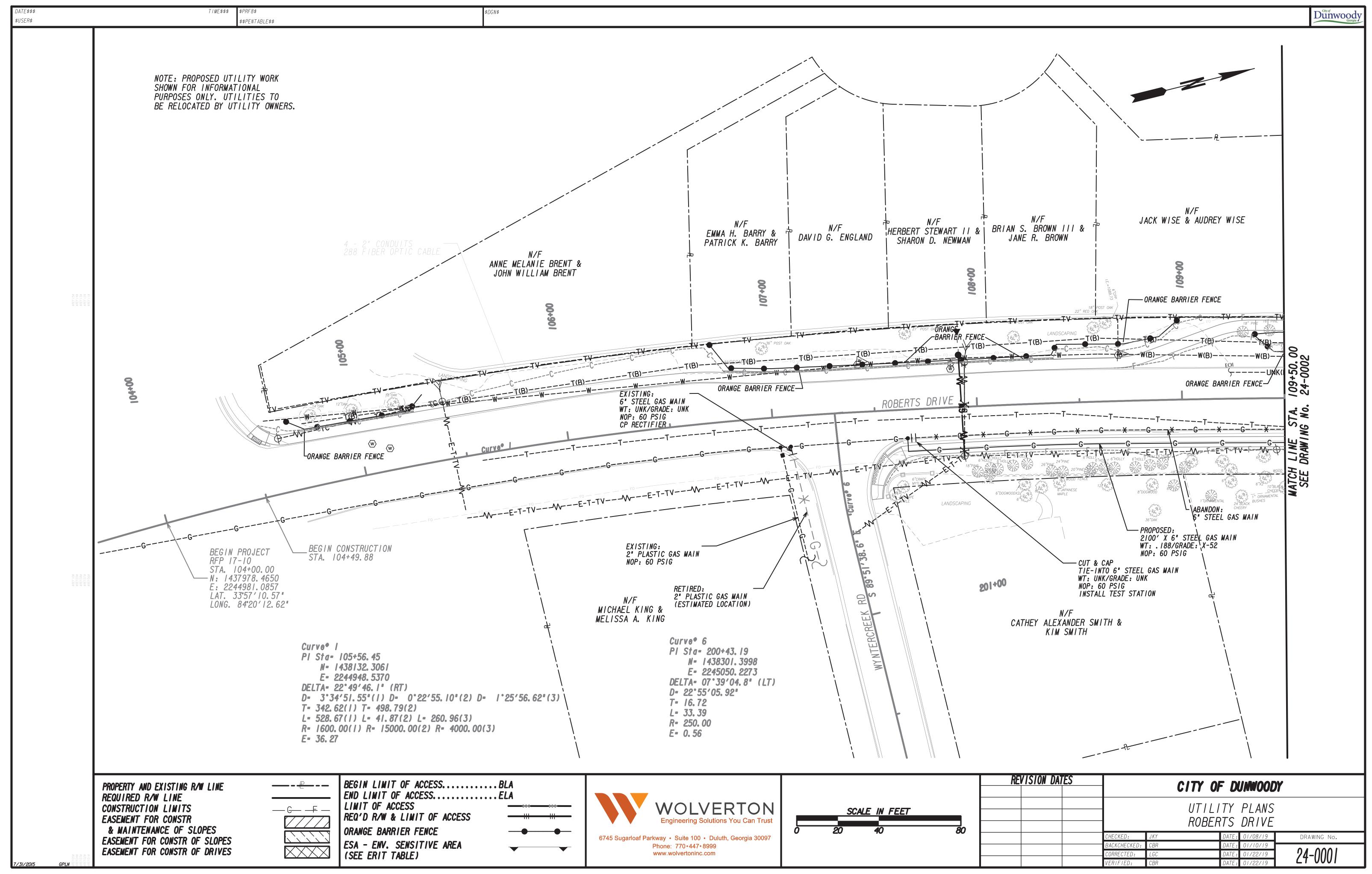
SANITARY SEWER MANHOLE (SSMH) ID

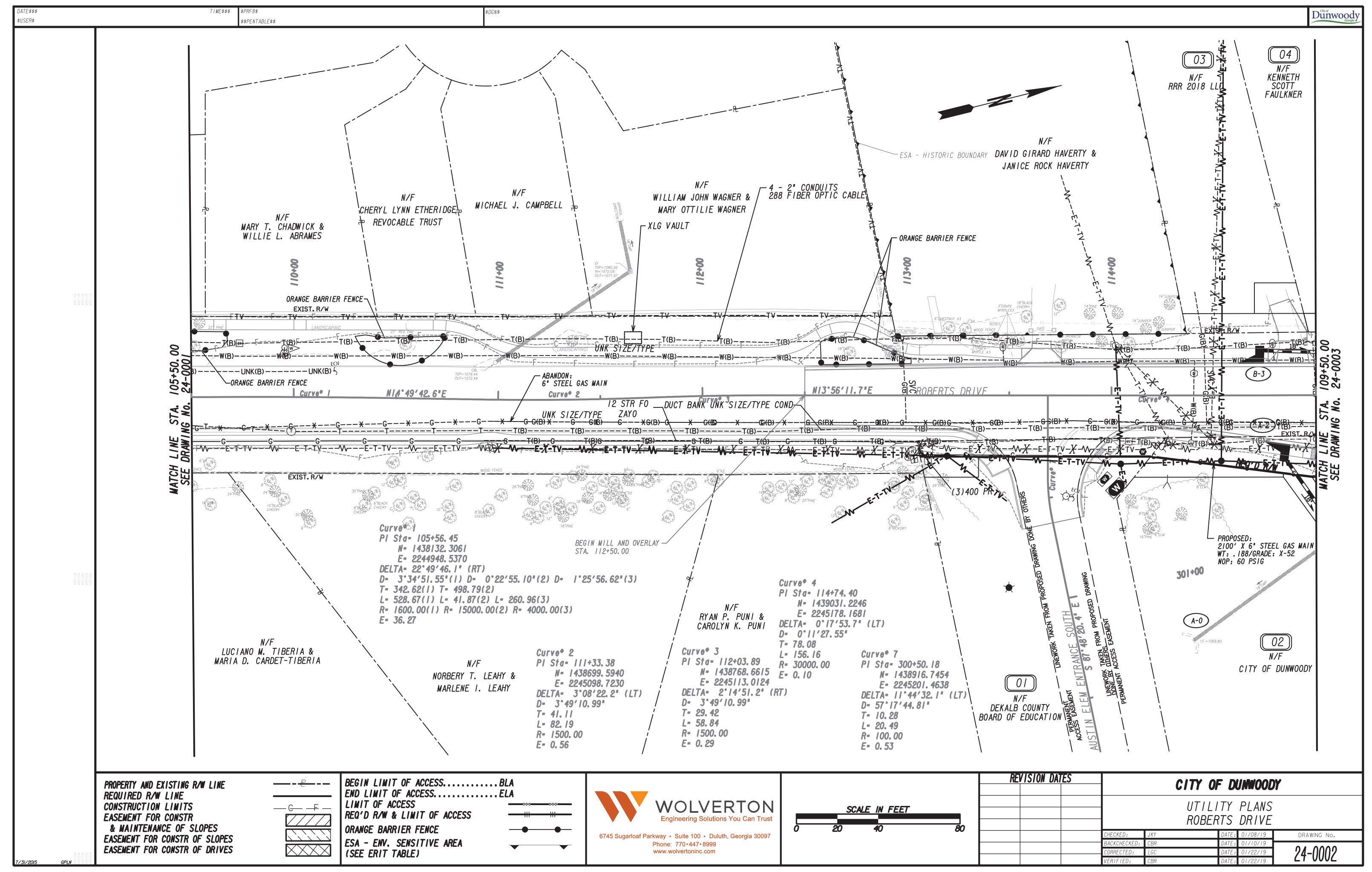
Dunwoody

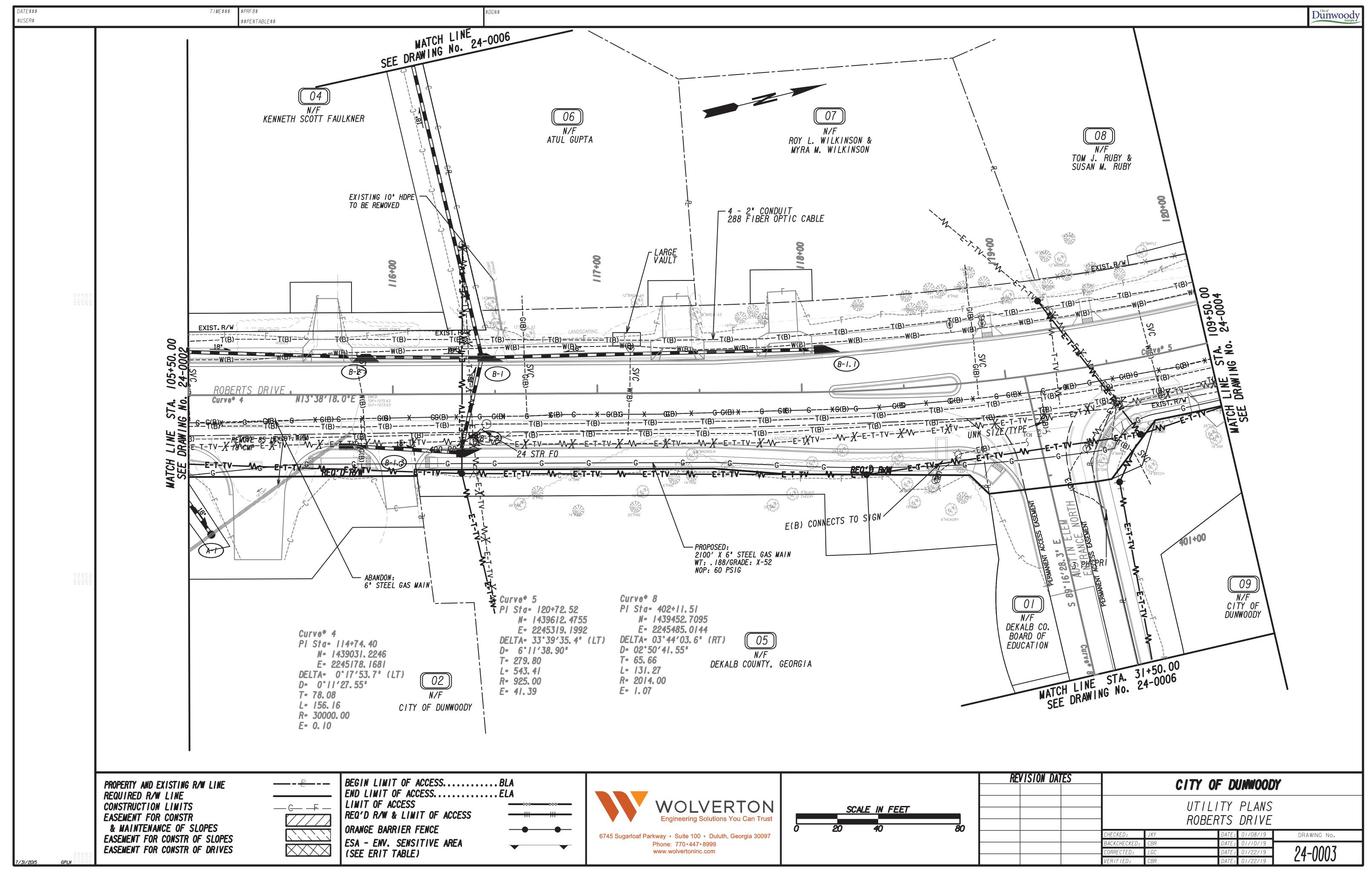
Know what's below. Call before you dig.

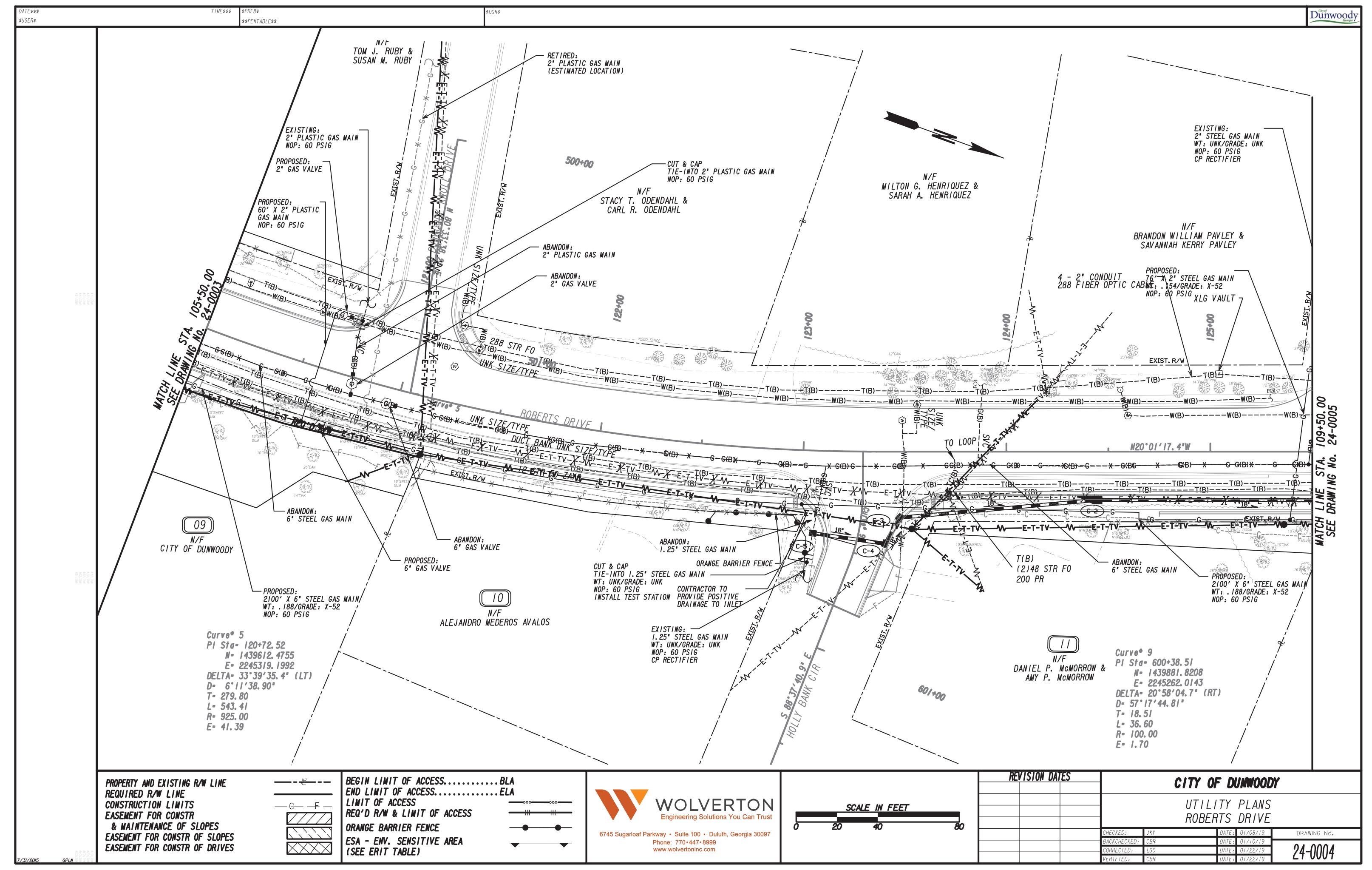


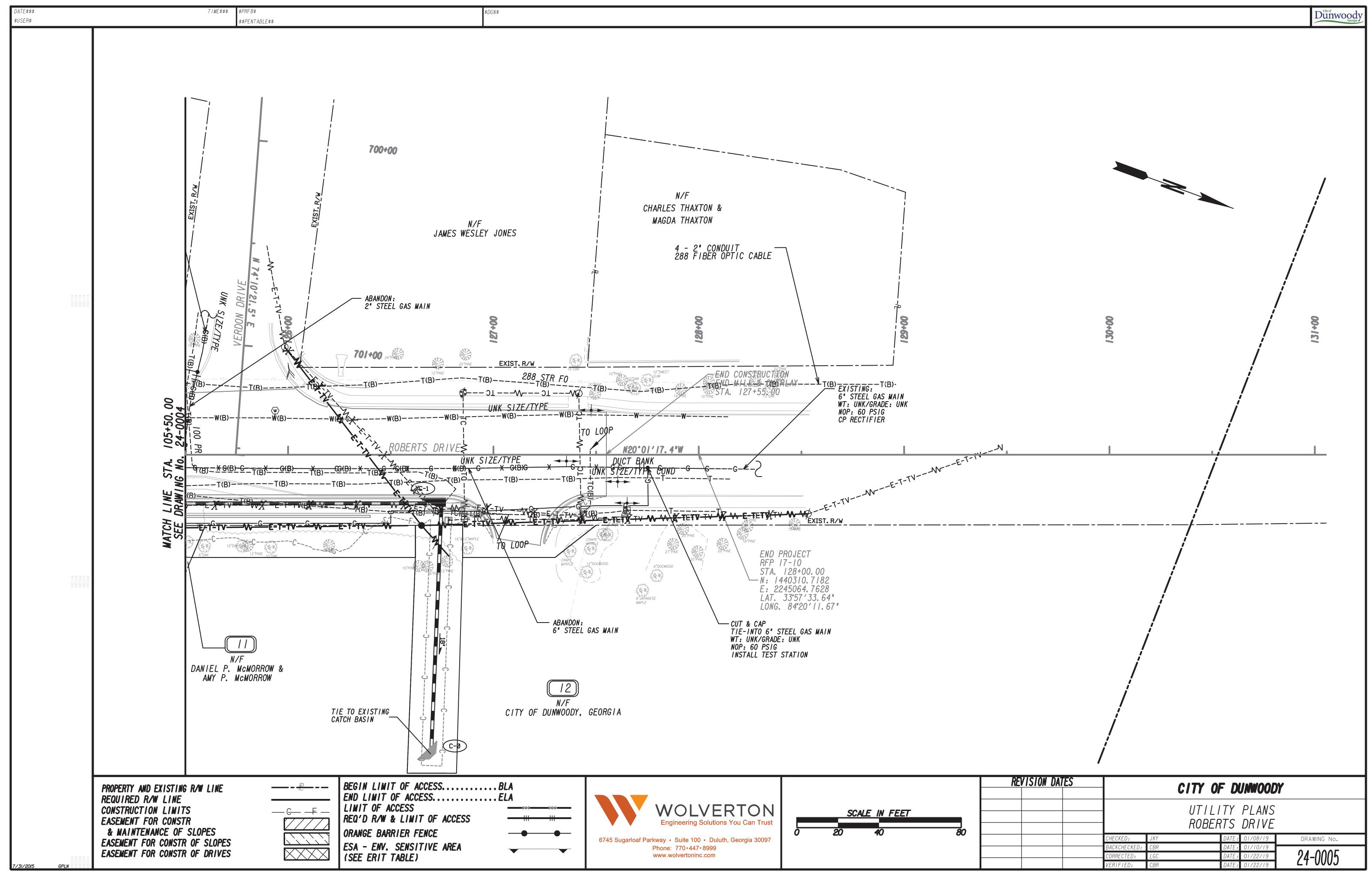
KEV	REVISION DATES			CITY OF DUMMOODY			
			UTILITY PLANS ROBERTS DRIVE				
			CHECKED:	JKY	DATE:	01/08/19	DRAWING No.
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:	01/10/19	24-0000
			VERIFIED:		DATE:	01/11/19	L T UUUU

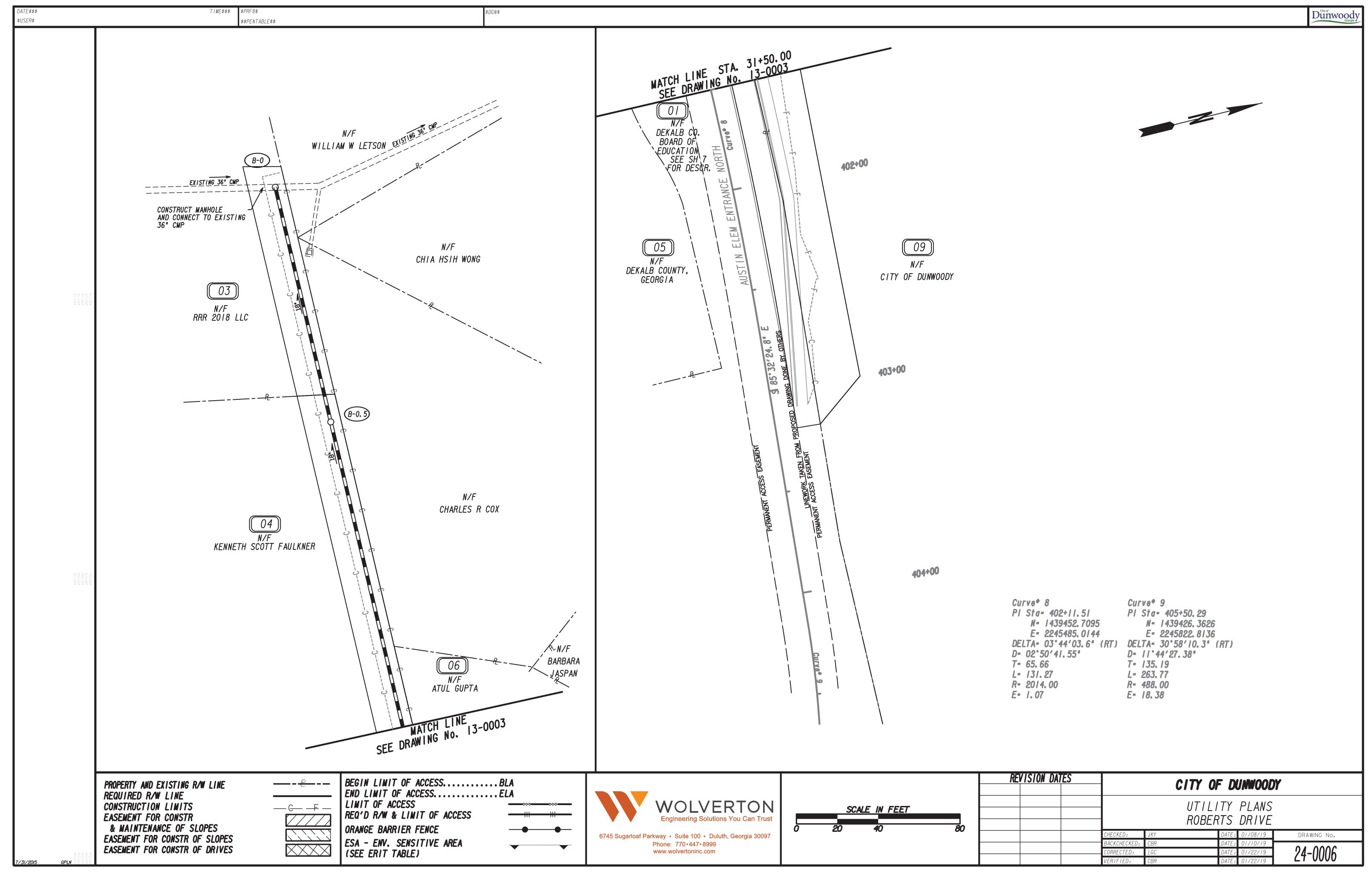




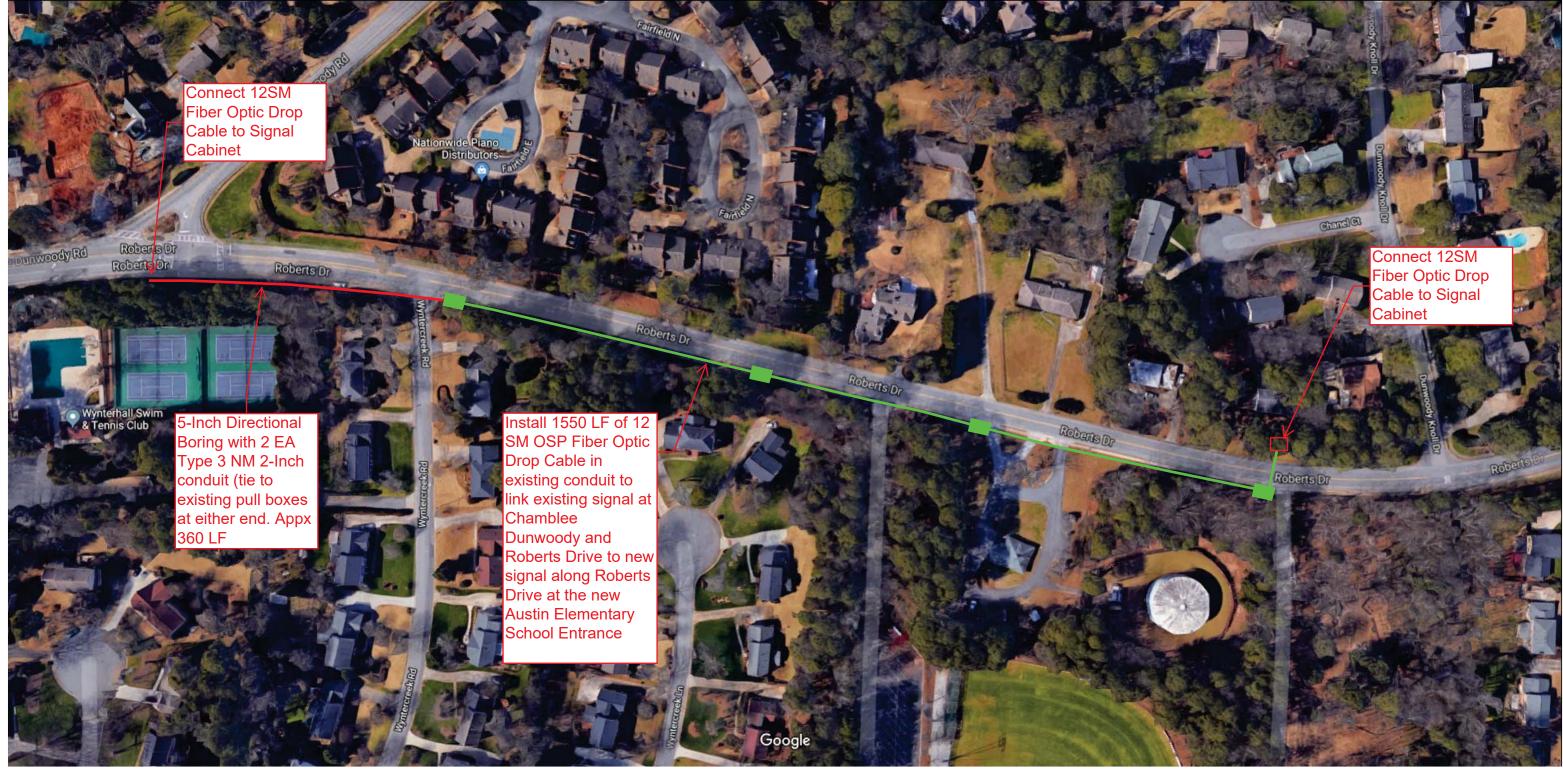




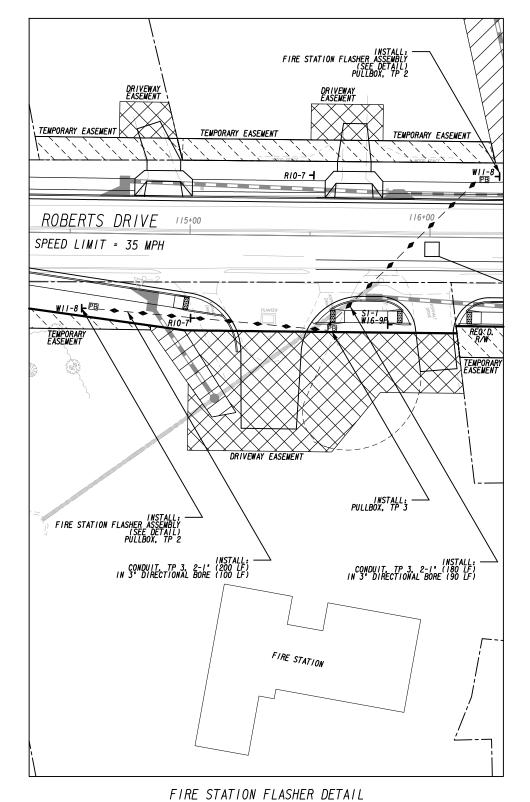




Google Maps

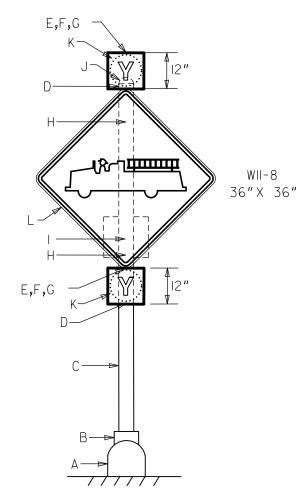


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FIRE STATION FLASHER ASSEMBLY



FIRE STATION FLASHER NOTES:

- I. THE TYPE OF PROPOSED FIRE STATION FLASHER SHALL BE APPROVED BY THE CITY OF DUNWOODY PRIOR TO PURCHASING AND INSTALLATION.
- 2. THE POST SUPPORTING THE FLASHER SHALL BE POWDER COATED BLACK.
- 3. THE FLASHER SHALL BE EQUIPPED WITH WIRELESS ACTIVATION CAPABILITIES, SIMILAR TO THE TAPCO BLINKER BEACON OR EQUIVALENT.
- 4. THE FLASHING INTERVAL SHALL BE DETERMINED BY THE CITY OF DUNWOODY.
- POWER FOR THE FLASHER SHALL BE ROUTED BACK TO THE TRAFFIC SIGNAL CABINET AT THE INTERSECTION OF ROBERTS DRIVE AT ROBERTS PARK ROAD. THE CITY OF DUMWOODY WILL DETERMINE THE ROUTING OF THE CABLE AND CONDUIT TO CONNECT THE FLASHER WITH THE TRAFFIC SIGNAL CABINET IN THE FIELD.

FIRE STATION FLASHER ASSEMBLY PARTS LIST

FLASHING WARNING ASSEMBLY SHALL INCLUDE PEDESTAL POLE, FOUNDATION, GROUND ROD, SIGNAL HEADS, SIGNS AND BRACKETS.

- A. I EA ALUMINUM SQUARE BASE ASSY. W/ALUMINUM DOOR, PELCO PB-5335, OR EQUIV. (SHALL BE POWDER COATED BLACK)

 B. I EA. POLE COLLAR ASSY., PELCO PB-5325, OR EQUIV.

 C. I EA. SPUN ALUMINUM POLE, SCH 40, I3 FEET LONG, 4% 0.D. X.237 WALL, PELCO PB-5100-13, OR EQUIV. (SHALL BE POWDER COATED BLACK)

 D. 2 EA. SIGNAL BRACKET ASSY., 4* POLE SIDE MOUNT, PELCO SE-5053, OR EQUIV.

 E. 2 EA. SIGNAL CLOSURE CAP, 1% X 2* THREADED, PELCO SE-0442, OR EQUIV.

 F. 2 EA. NEOPRENE GASKET, PELCO SE-0354, OR EQUIV.

 G. 2 EA. HEX NUT, 1%, PELCO SE-4017, OR EQUIV.

 H. 2 EA. U-BOLT SIGN CLAMP, PELCO SH-0206, OR EQUIV.

 I. I EA. CABINET MOUNTING ASSY, 4* POLE, PELCO SE-100 OR EQUIV.

 J. I EA. POLE CAP, ALUM., ACORN TYPE, PELCO PB-5401, OR EQUIV.

 K. 2 EA. I-SECTION, 12* TRAFFIC SIGNAL HEAD, PLASTIC, BLACK, W/5MM PIXELATED LEDS

 L. I EA. WII-8 SIGN, 36* X 36*, TP 2 MATL, REFL SHEETING TP 9

SIGNAL LEGEND	DETECTION LEGEND			
PROPOSED SIGNAL HEAD PROPOSED 4-SECTION SIGNAL HEAD	PROPOSED INDUCTANCE LOOP			
-++> EXISTING -+ PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD	PROPOSED VIRTUAL DETECTION ZONE			
T	☐ PROPOSED VIDEO DETECTION CAMERA			
→ RELOCATED Ψ PEDESTRIAN SIGNAL HEAD SIGNAL HEAD	PROPOSED WAGNETOWETER PROPOSED RADAR			





	RE	VISION DAT	ES	SIGNAL PLANS						
				ROBERTS DRIVE & ROBERTS PARK ROAD						
٠				NODENTS BRIVE & NOBERTS TARK NOAD						
				CHECKED:		DATE:	DD AWARD AL			
				BACKCHECKED:		DATE:	DRAWING No.			
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