

**TRENCH EXCAVATION SAFETY PROTECTION:**

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**CAUTION!!**

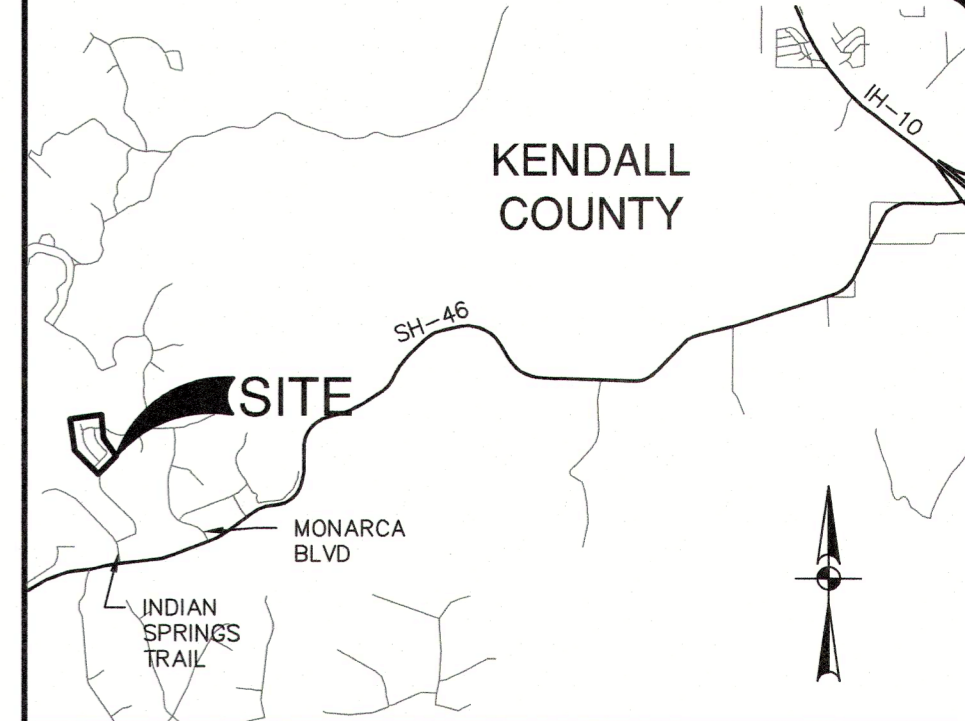
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

**NOTE:**

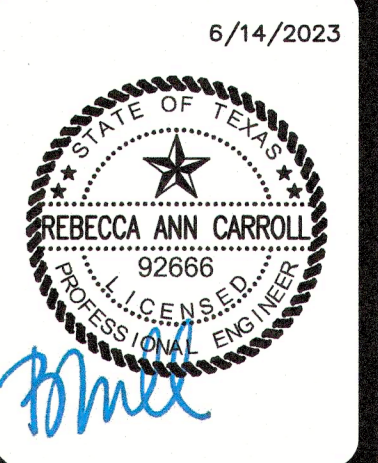
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

**NOTE:**

CONTRACTOR TO ADJUST ANY EXISTING SURFACE UTILITIES TO MATCH FINISHED GRADES



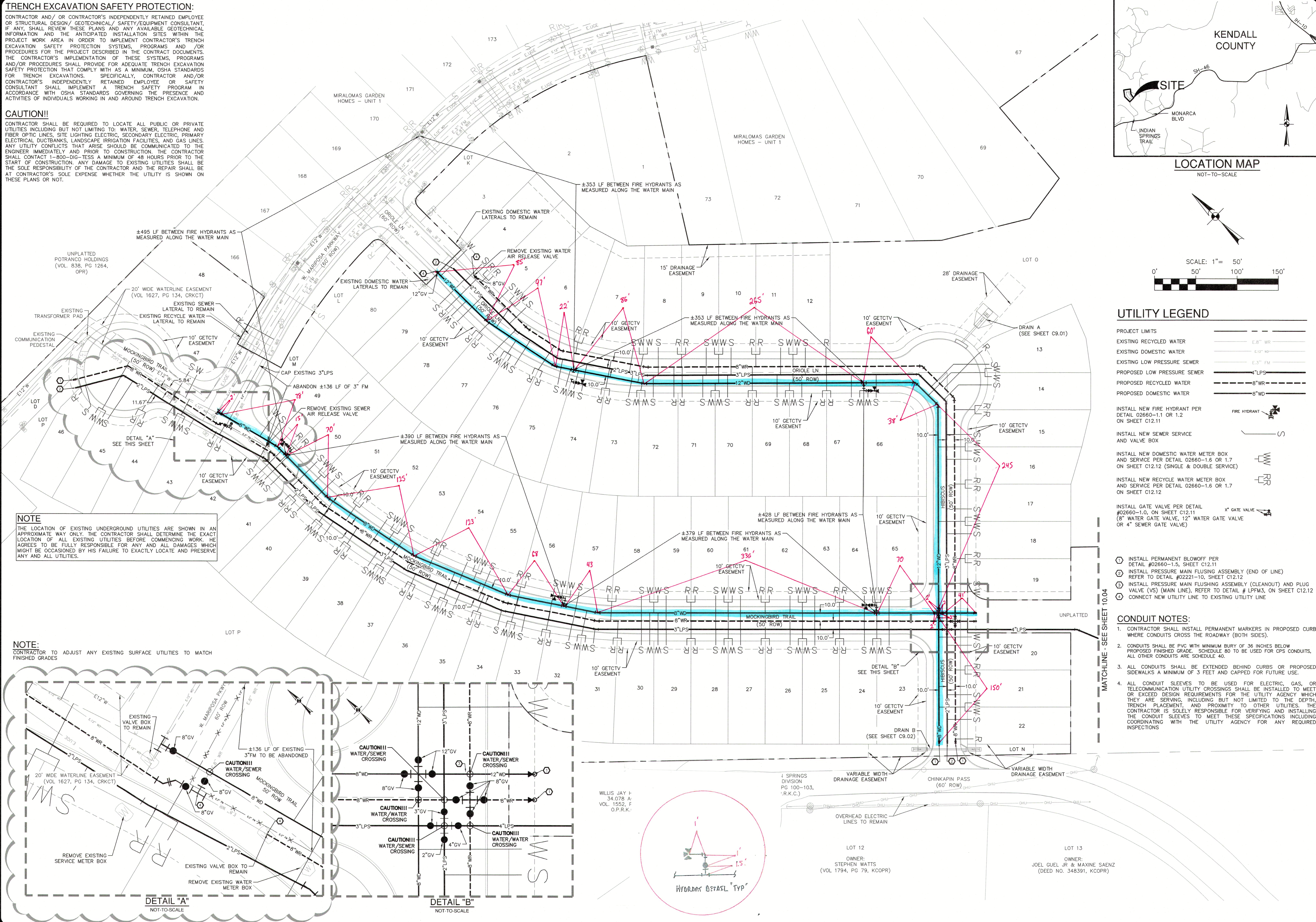
NO.	REVISION	DATE
1	ADDED LABELS, REVISED BACKGROUNDS	02/23/23
2	EXTENDED VIEWPORT TO SHOW MORE OF CHINKAPIN PASS	03/20/23
3	REPLACED 8" WITH 12" DOMESTIC WATER MAIN	03/29/23
4	RELOCATED LPS PIPING	04/12/23



**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78218 | 210.575.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008880

**MIRALOMAS GARDEN HOMES - UNIT 3**  
 KENDALL COUNTY, TEXAS  
 UTILITY PLAN

PLAT NO.	
JOB NO.	12616-04
DATE	JUNE 2023
DESIGNER	AC
CHECKED	BC DRAWN AR
SHEET	C10.00



**UTILITY LEGEND**

PROJECT LIMITS	---
EXISTING RECYCLED WATER	— E.8" WR
EXISTING DOMESTIC WATER	— E.12" WR
EXISTING LOW PRESSURE SEWER	— E.3" FM
PROPOSED LOW PRESSURE SEWER	— 4"LPS
PROPOSED RECYCLED WATER	— 8"WR
PROPOSED DOMESTIC WATER	— 8"WD

- INSTALL NEW FIRE HYDRANT PER DETAIL 02660-1.1 OR 1.2 ON SHEET C12.11**
- INSTALL NEW SEWER SERVICE AND VALVE BOX**
- INSTALL NEW DOMESTIC WATER METER BOX AND SERVICE PER DETAIL 02660-1.6 OR 1.7 ON SHEET C12.12 (SINGLE & DOUBLE SERVICE)**
- INSTALL NEW RECYCLE WATER METER BOX AND SERVICE PER DETAIL 02660-1.6 OR 1.7 ON SHEET C12.12**
- INSTALL GATE VALVE PER DETAIL #02660-1.0, ON SHEET C12.11 (8" WATER GATE VALVE, 12" WATER GATE VALVE OR 4" SEWER GATE VALVE)**
- INSTALL PERMANENT BLOWOFF PER DETAIL #02660-1.5, SHEET C12.11
  - ⊗ INSTALL PRESSURE MAIN FLUSHING ASSEMBLY (END OF LINE) REFER TO DETAIL #02221-10, SHEET C12.12
  - ⊕ INSTALL PRESSURE MAIN FLUSHING ASSEMBLY (CLEANOUT) AND PLUG VALVE (VS) (MAIN LINE), REFER TO DETAIL # LPM3, ON SHEET C12.12
  - ⊙ CONNECT NEW UTILITY LINE TO EXISTING UTILITY LINE

- CONDUIT NOTES:**
- CONTRACTOR SHALL INSTALL PERMANENT MARKERS IN PROPOSED CURB WHERE CONDUITS CROSS THE ROADWAY (BOTH SIDES).
  - CONDUITS SHALL BE PVC WITH MINIMUM BURY OF 36 INCHES BELOW PROPOSED FINISHED GRADE. SCHEDULE 80 TO BE USED FOR CPS CONDUITS. ALL OTHER CONDUITS ARE SCHEDULE 40.
  - ALL CONDUITS SHALL BE EXTENDED BEHIND CURBS OR PROPOSED SIDEWALKS A MINIMUM OF 3 FEET AND CAPPED FOR FUTURE USE.
  - ALL CONDUIT SLEEVES TO BE USED FOR ELECTRIC, GAS, OR TELECOMMUNICATION UTILITY CROSSINGS SHALL BE INSTALLED TO MEET OR EXCEED DESIGN REQUIREMENTS FOR THE UTILITY AGENCY WHICH THEY ARE SERVING, INCLUDING BUT NOT LIMITED TO THE DEPTH, TRENCH PLACEMENT, AND PROXIMITY TO OTHER UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING AND INSTALLING THE CONDUIT SLEEVES TO MEET THESE SPECIFICATIONS INCLUDING COORDINATING WITH THE UTILITY AGENCY FOR ANY REQUIRED INSPECTIONS