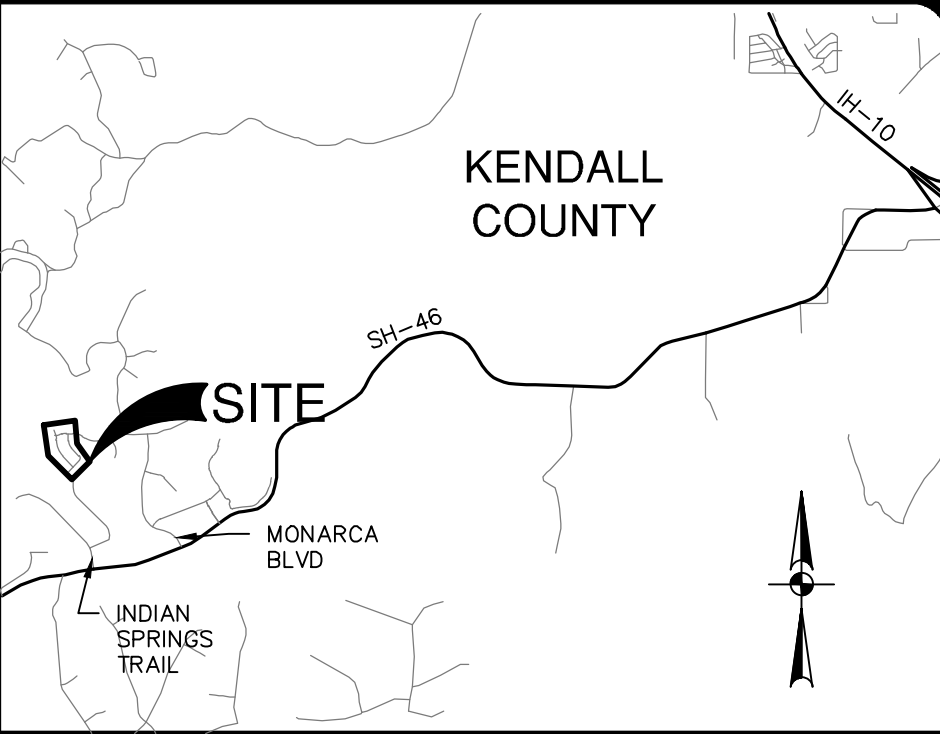
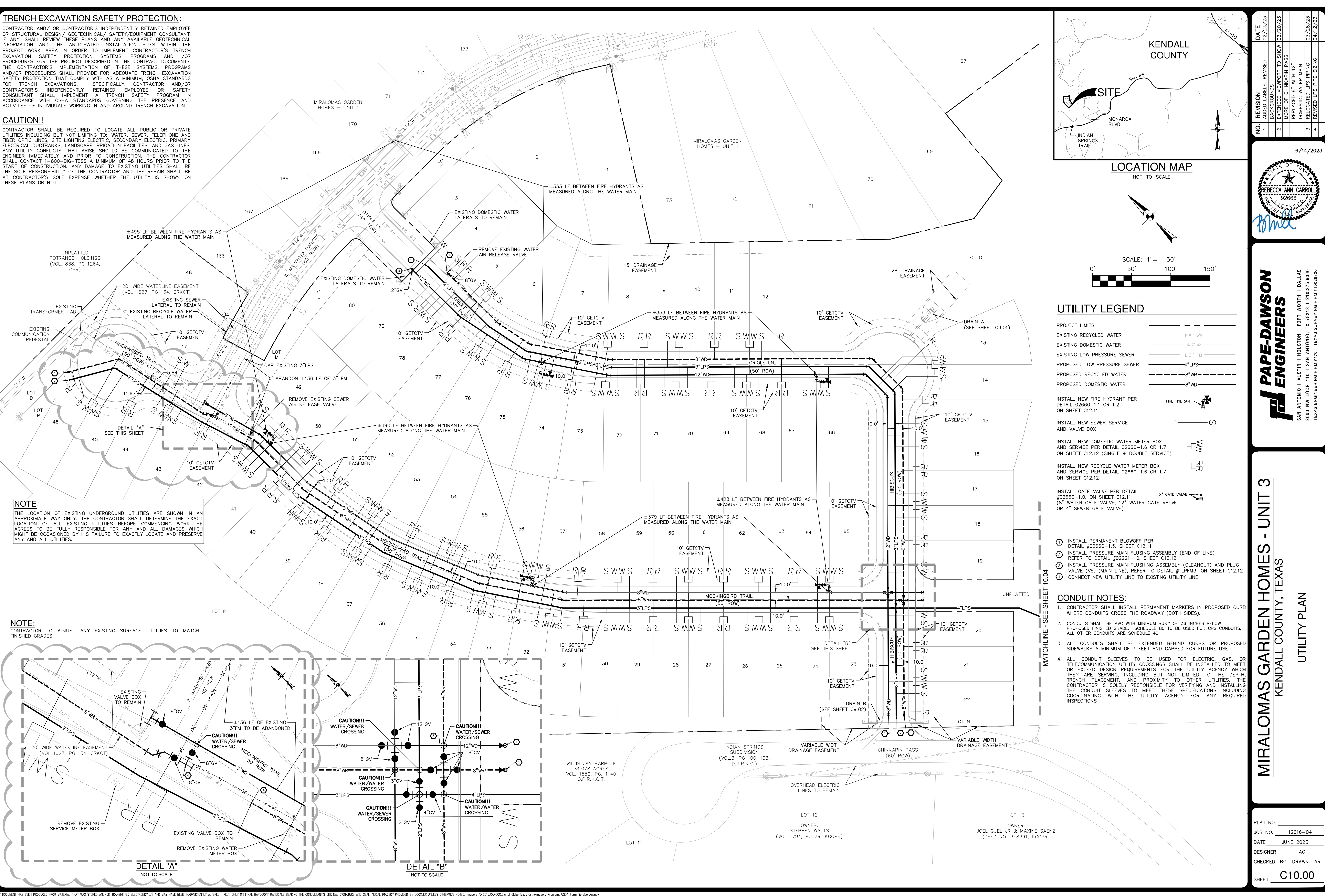


TRENCH EXCAVATION SAFETY PROTECTION:

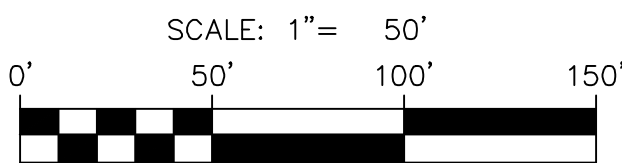
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S 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.



LOCATION MAP
NOT-TO-SCALE



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)

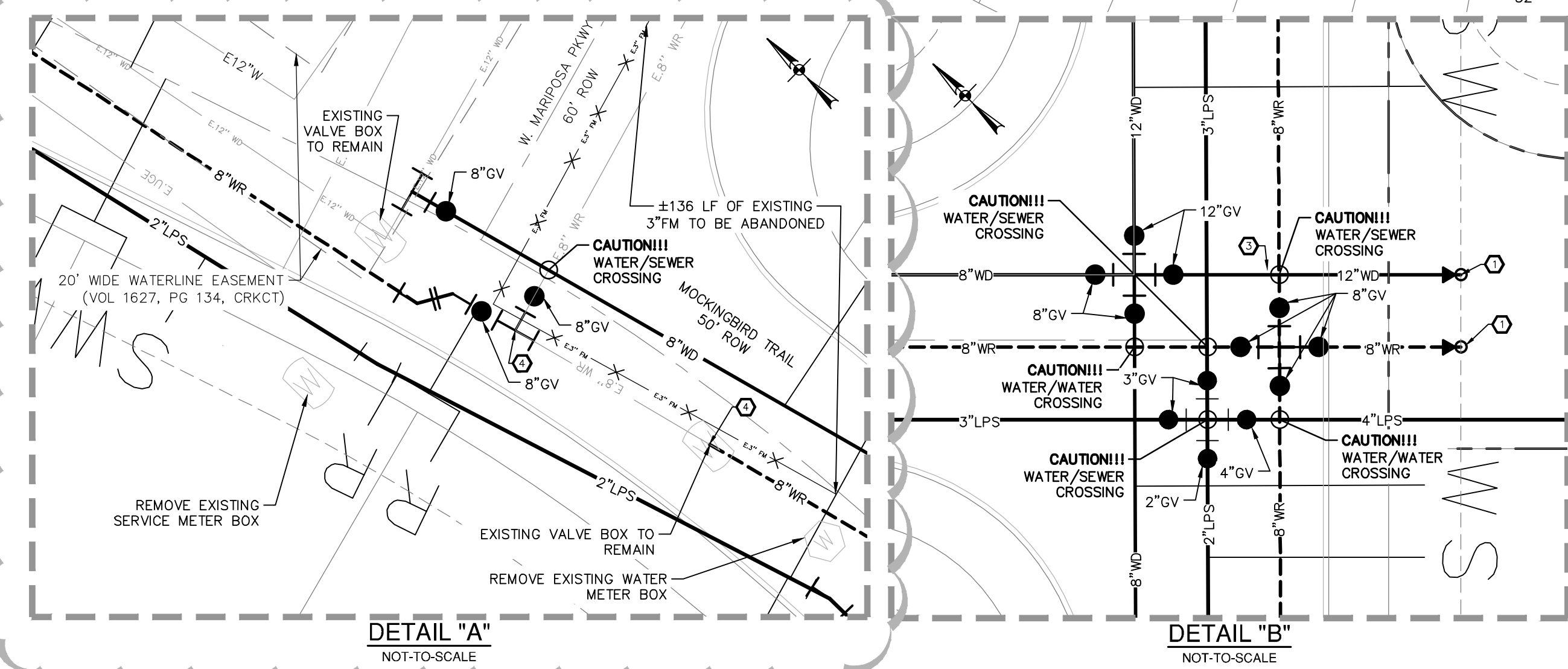
- 1. INSTALL PERMANENT BLOWOFF PER
DETAIL #02660-1.5, SHEET C12.11
- 2. INSTALL PRESSURE MAIN FLUSHING ASSEMBLY (END OF LINE)
REFER TO DETAIL #02221-10, SHEET C12.12
- 3. INSTALL PRESSURE MAIN FLUSHING ASSEMBLY (CLEANOUT) AND PLUG
VALVE (VS) (MAIN LINE), REFER TO DETAIL # LPFM3, ON SHEET C12.12
- 4. CONNECT NEW UTILITY LINE TO EXISTING UTILITY LINE

CONDUIT NOTES:

- 1. CONTRACTOR SHALL INSTALL PERMANENT MARKERS IN PROPOSED CURB
WHERE CONDUITS CROSS THE ROADWAY (BOTH SIDES).
- 2. 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.
- 3. ALL CONDUITS SHALL BE EXTENDED BEHIND CURBS OR PROPOSED
SIDEWALKS A MINIMUM OF 3 FEET AND CAPPED FOR FUTURE USE.
- 4. 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

NOTE
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN
APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT
LOCATION OF ALL EXISTING 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



PAPE-DAWSON
ENGINEERS

MIRALOMAS GARDEN HOMES - UNIT 3
KENDALL COUNTY, TEXAS

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

NO.	REVISION	DATE
1	ADDED LABELS, REVISED	02/23/23
2	EXTENDED VIEWPORT TO SHOW MORE OF CHINKAPIN PASS REPLACED 8" WITH 12"	03/20/23
3	DOMESTIC WATER MAIN RELOCATED LPS PIPING	03/28/23
4	REVISED LPS PIPE SIZING	04/12/23



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #20 | TEXAS SURVEYING FIRM #1005860

UTILITY PLAN