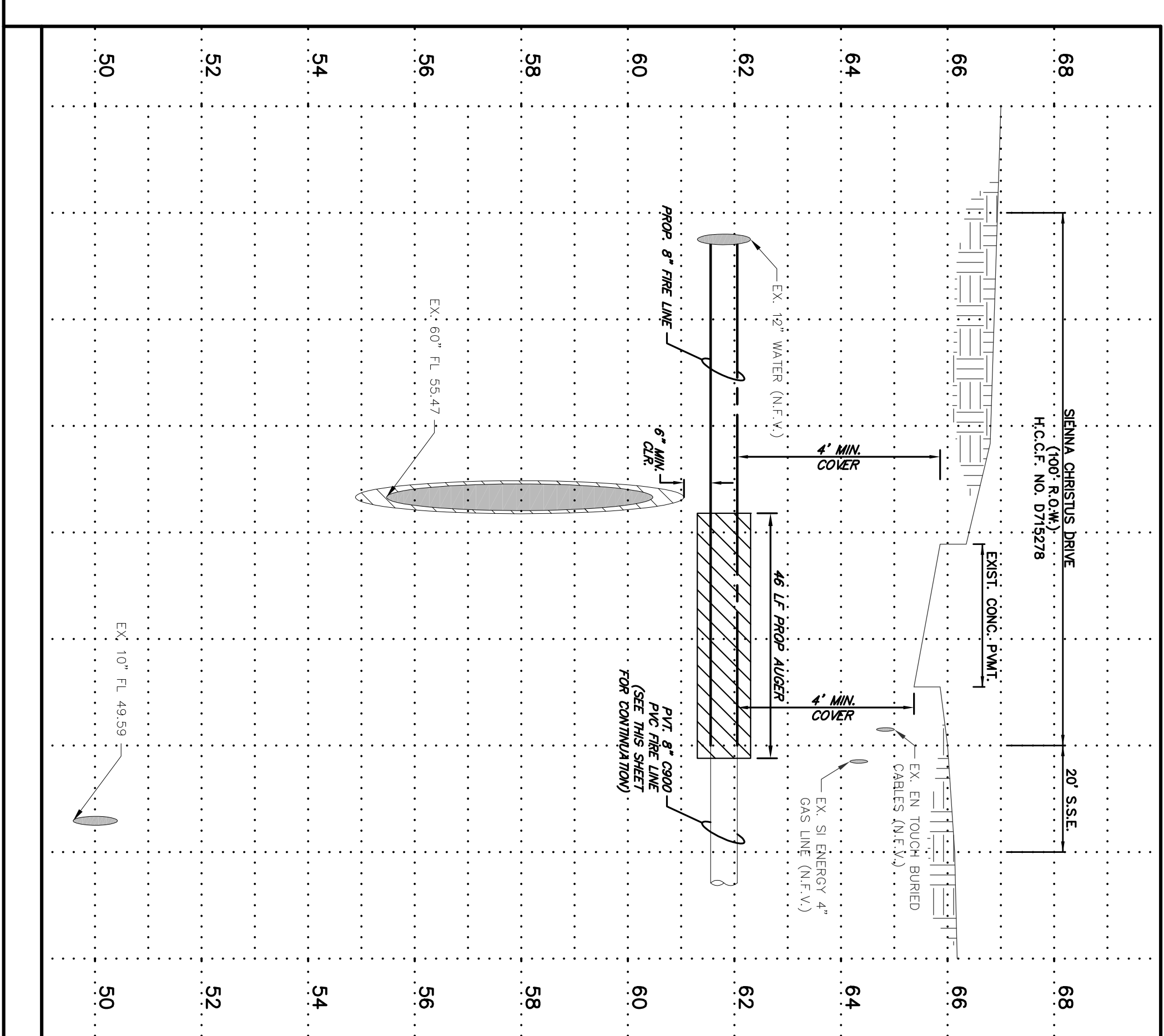


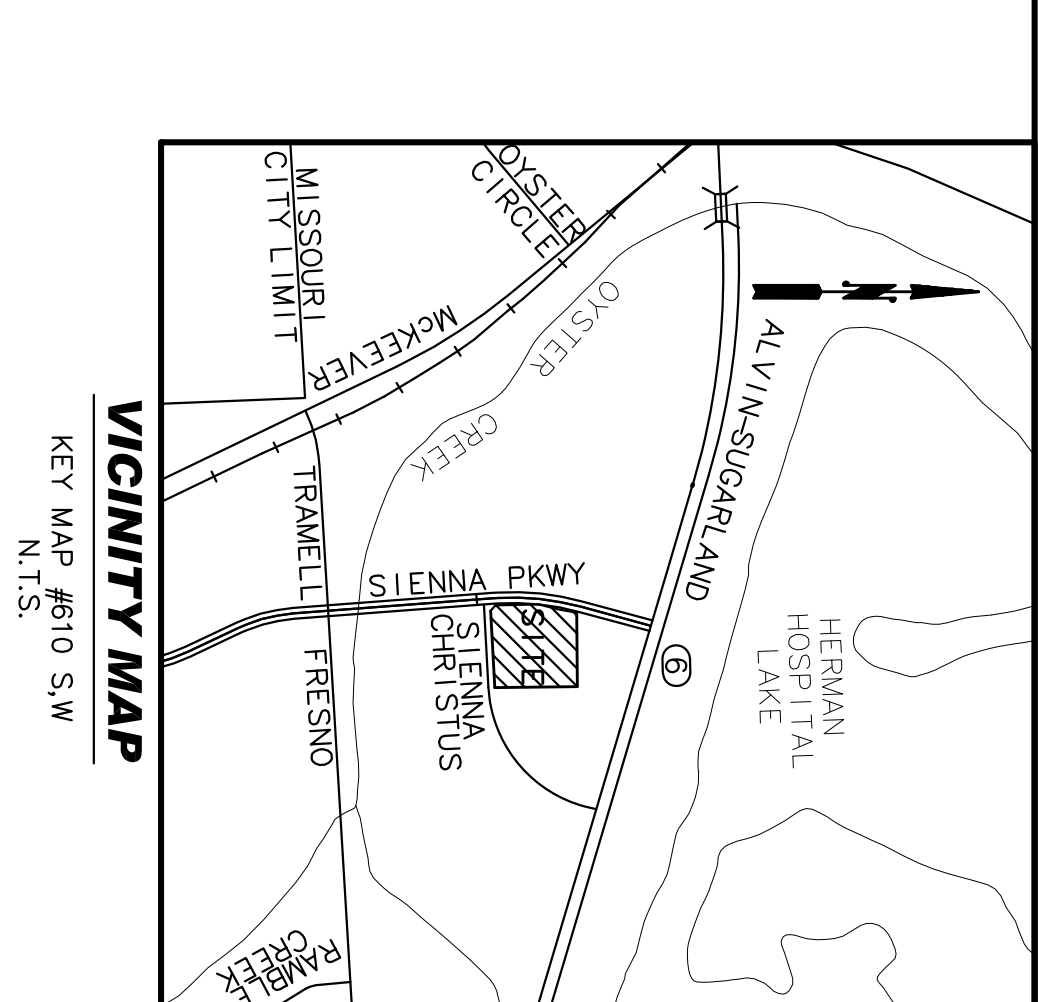
- NOTES:**
- 1 ALL PIPE MATERIALS PROPOSED ON THIS SHEET SHALL BE IN CONFORMANCE WITH THE CITY OF MISSOURI CITY STANDARD SPECS & DETAILS. REFERENCE NOTES AND DETAILS IN THIS PLAN SET.
 - 2 CONTRACTOR SHALL CONTACT THE SIENNA PLANTATION LEVEE IMPROVEMENT DISTRICT, JAMES BROWN P.E. AT 713-953-5284 AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - 3 CONTRACTOR SHALL CONTACT THE SIENNA PLANTATION MUNICIPAL UTILITY DISTRICT NOS. 1 AND 8, JAMES BROWN, P.E. AT 713-953-5284 AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - 4 THE OPENING AND CLOSING OF ALL VALVES ON EXISTING WATER LINES MUST BE PERFORMED EXCLUSIVELY BY THE DISTRICT OPERATOR: SOUTHWEST WATER (MR. MICHAEL BREWER) 281-207-5811.
 - 5 THE DISTRICT OPERATOR MUST PERFORM ALL WATER LINE TO BULKHEAD PREVENTER.
 - 6 CONTRACTOR TO THE BOTTOM OF PROPOSED BACKFLOW PREVENTOR VAULT INTO EXISTING STORM SEWER INLET WITH 2" PVC PIPE SO THAT THE VAULT DOES NOT HOLD WATER.
 - 7 CONTRACTOR TO VERIFY FLOWLINE OF EXISTING WATERLINE, STORM LINE AND SANITARY SEWER AT CROSSING OF PROPOSED 8" FIRE LINE AND MAKE ADJUSTMENTS TO FIELINE DEPTH TO AVOID CROSSING CONFLICTS.

CURVE	RADIUS	DELTA	ARC	BEARING	CHORD
C1	600.00	0014.53°	2.60	S 85.47.32° W	2.60

FIRE LINE AUGER SECTION A-A
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'



- CONTRACTOR TO INCLUDE IN HIS BID PRICE ALL FEES ASSOCIATED WITH WATER AND SEWER TAPPING, CONNECTION, AND INSPECTIONS.
- ALL METERS AND TAPS IN RIGHT OF WAY OR EASEMENTS SHALL BE INSTALLED BY MUD DISTRICT OPERATOR. CONTRACTOR SHALL COORDINATE WITH THE DISTRICT OPERATOR TO VERIFY EXISTING UTILITY LOCATIONS. THE METER PRESEN OF SOUTHWEST WATER COMPANY (MR. BREWER) 281-207-5811, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES THAT HAVE OR MAY HAVE ANY EFFECT ON THE PROPOSED IMPROVEMENTS. BEFORE ANY WORK BEGINS, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BY THE DISTRICT OPERATOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY TERRA ASSOCIATES, INC. BEFORE PROCEEDING FURTHER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND ELEVATION OF ALL UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE RECORD PLANS OF THE UTILITY COMPANIES. EXACT ELEVATION AND FIELD LOCATION OF UTILITIES MAY VARY BASED UPON INSTALLATION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY TERRA ASSOCIATES, INC. BEFORE PROCEEDING FURTHER.
- ALL MATERIALS AND METHODS SHALL MEET MISSOURI PLANTATION MANAGEMENT DISTRICT AND CITY OF MISSOURI CITY STANDARDS.



FLOODPLAIN INFORMATION:
THIS TRACT LIES IN ZONE "X" (UNSHADED), DESIGNATED AS "AREAS FLOODING FROM OVERLAND FLOODING". THE FLOODPLAIN FLOOD PROTECTION PROGRAM COMMUNITY PANEL NUMBER 4819702701, LATEST AVAILABLE PUBLISHED REVISION DATED JANUARY 3, 1997.

BENCHMARK NOTE:
PROJECT BENCHMARK:
MONUMENT NO. 32: 5/8" IRON ROD WITH ALUMINUM CAP STAMPED T.L.A. 32" LOCATED IN MEDIAN OF SIENNA PARKWAY APPROX. 140' SOUTH OF THE SOUTH ROW, LINE OF TRAMMEL-FRESNO ROAD APPROX. 6.2 FEET EAST OF 18.90 FEET SOUTH OF THE NOSE OF THE MEDIAN AS FURNISHED BY LIA ENGINEERING & SURVEYING INC.
ELEV. = 66.44, NOS (1973 ADJ.)

TBL A:
"X" CUT IN 2ND CURB INLET SOUTH OF STATE HWY, NO. 6 ON EAST ELEV. OF 66.01

NOTE:
BENCHMARK INFORMATION WAS TAKEN FROM OVERALL SURVEY. VERIFY SITE ELEVATIONS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

NOTE:
ALL UTILITIES AND EXISTING TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON THE DESIGN PLANS TITLED, "SIENNA, 2 ACRE DETAIL SITE, DATED 9-22-06. THIS INFORMATION WAS SUBJECT TO CHANGE DURING CONSTRUCTION. CONTRACTOR SHALL VISIT SITE TO CORRAL LOCATION AND VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER IMMEDIATELY.

MISSOURI CITY
T E X A S
DEPARTMENT OF PUBLIC WORKS

SCOTT R. ELMER, P.E. CITY ENGINEER, DIRECTOR OF PUBLIC WORKS



TERRA 1445 N. LOOP WEST - SUITE 450
ASSOCIATES, INC. HOUSTON, TEXAS 77008
CONSULTING ENGINEERS TBE Registration No.: F-003832

DRAWN BY: DAB SCALE: 1" = 20' CONTRACT: 1
CHECKED BY: KBP DATE: NOVEMBER 2010 PROJECT NO: 1685-1002
FILE NAME: C4-LAYOUT PLOT SCALE: 1:1 SHEET C4 OF 9

PROPOSED 8" FIRE LINE PRIVATE 8" FIRE LINE TO SERVE SIENNA PLANTATION RETAIL BLDG B PLAN AND PROFILE

REV. NO.	DESCRIPTION	DATE	APP.