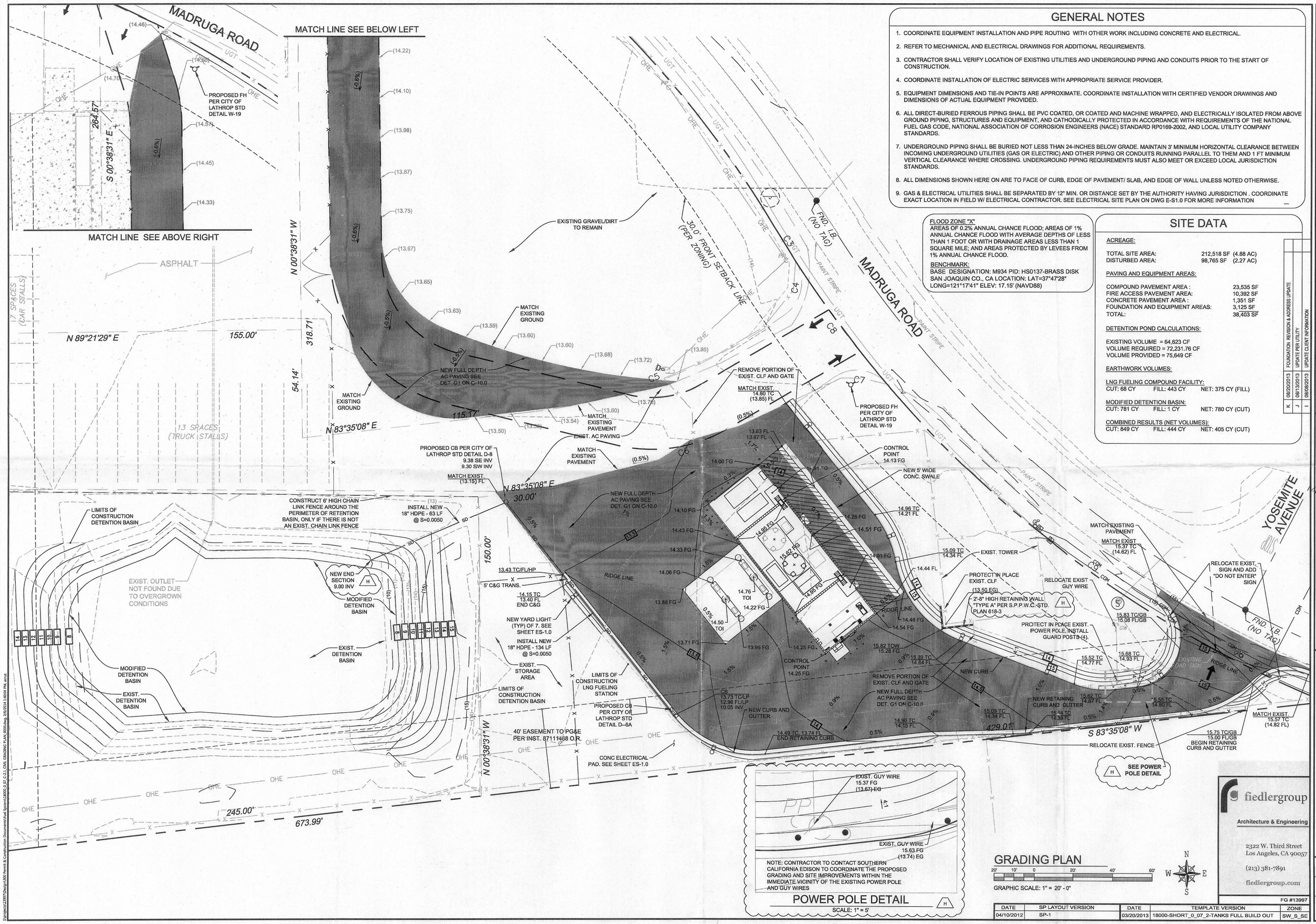

GENERAL NOTES

1. COORDINATE EQUIPMENT INSTALLATION AND PIPE ROUTING WITH OTHER WORK INCLUDING CONCRETE AND ELECTRICAL.
2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES AND UNDERGROUND PIPING AND CONDUITS PRIOR TO THE START OF CONSTRUCTION.
4. COORDINATE INSTALLATION OF ELECTRIC SERVICES WITH APPROPRIATE SERVICE PROVIDER.
5. EQUIPMENT DIMENSIONS AND TIE-IN POINTS ARE APPROXIMATE. COORDINATE INSTALLATION WITH CERTIFIED VENDOR DRAWINGS AND DIMENSIONS OF ACTUAL EQUIPMENT PROVIDED.
6. ALL DIRECT-BURIED FERROUS PIPING SHALL BE PVC COATED, OR COATED AND MACHINE WRAPPED, AND ELECTRICALLY ISOLATED FROM ABOVE GROUND PIPING, STRUCTURES AND EQUIPMENT, AND CATHODICALLY PROTECTED IN ACCORDANCE WITH REQUIREMENTS OF THE NATIONAL FUEL GAS CODE, NATIONAL ASSOCIATION OF CORROSION ENGINEERS (NACE) STANDARD RP0169-2002, AND LOCAL UTILITY COMPANY STANDARDS.
7. UNDERGROUND PIPING SHALL BE BURIED NOT LESS THAN 24-INCHES BELOW GRADE. MAINTAIN 3' MINIMUM HORIZONTAL CLEARANCE BETWEEN INCOMING UNDERGROUND UTILITIES (GAS OR ELECTRIC) AND OTHER PIPING OR CONDUITS RUNNING PARALLEL TO THEM AND 1 FT MINIMUM VERTICAL CLEARANCE WHERE CROSSING. UNDERGROUND PIPING REQUIREMENTS MUST ALSO MEET OR EXCEED LOCAL JURISDICTION STANDARDS.
8. ALL DIMENSIONS SHOWN HERE ON ARE TO FACE OF CURB, EDGE OF PAVEMENT/ SLAB, AND EDGE OF WALL UNLESS NOTED OTHERWISE.
9. GAS & ELECTRICAL UTILITIES SHALL BE SEPARATED BY 12" MIN. OR DISTANCE SET BY THE AUTHORITY HAVING JURISDICTION . COORDINATE EXACT LOCATION IN FIELD W/ ELECTRICAL CONTRACTOR. SEE ELECTRICAL SITE PLAN ON DWG E-S1.0 FOR MORE INFORMATION

FLOOD ZONE "X"
AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

BENCHMARK:
BASE DESIGNATION: M934 PID: HS0137-BRASS DISK SAN JOAQUIN CO., CA LOCATION: LAT=37°47'28" LONG=121°17'41" ELEV: 17.15' (NAVD88)

SITE DATA

ACREAGE:

TOTAL SITE AREA:	212,518 SF	(4.88 AC)
DISTURBED AREA:	98,765 SF	(2.27 AC)

PAVING AND EQUIPMENT AREAS:

COMPOUND PAVEMENT AREA :	23,535 SF
FIRE ACCESS PAVEMENT AREA:	10,392 SF
CONCRETE PAVEMENT AREA :	1,351 SF
FOUNDATION AND EQUIPMENT AREAS:	3,125 SF
TOTAL:	38,403 SF

DETENTION POND CALCULATIONS:

EXISTING VOLUME = 64,623 CF
VOLUME REQUIRED = 72,231.76 CF
VOLUME PROVIDED = 75,649 CF

EARTHWORK VOLUMES:

LNG FUELING COMPOUND FACILITY:
CUT: 68 CY FILL: 443 CY NET: 375 CY (FILL)

MODIFIED DETENTION BASIN:
CUT: 781 CY FILL: 1 CY NET: 780 CY (CUT)

COMBINED RESULTS (NET VOLUMES):
CUT: 849 CY FILL: 444 CY NET: 405 CY (CUT)

REV	DATE	REVISIONS	QC
K	08/20/2013	FOUNDATION, REVISION & ADDRESS UPDATE	
J	08/13/2013	UPDATE PER UTILITY	
I	08/08/2013	UPDATE CLIENT INFORMATION	
H	07/30/2013	REV'D FENCE, POWER POLE, ADD. GRADES ON ACCESS RD	
G	07/24/2013	REVISE DRAIN LINE FROM PVC TO HDPE	
F	07/19/2013	GENERAL UPDATE	
E	04/08/13	EXIST. PRKG & GRAVEL/DIRT TO REMAIN	
D	03/22/13	PER TIMEPLATE UPDATE 07_0320/13	
C	10/22/12	UTILITY CONDUIT, ADDED STRUCTURE LANE CANOPY TO PACKAGE	
B	10/04/12	REV'D EXIT DWY, DETENTION BASIN, FIRE ACCESS	
A	09/27/12	GENERAL REV. / MODIFY ELY DWY / ELECTRICAL	

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REGISTERED PROFESSIONAL ENGINEER PATRICK O. FIEDLER No. C-38123 Exp. 3-31-2015 CIVIL STATE OF CALIFORNIA
FEB 03 2014 DATE

DIGALERT Know what's below. CALL 811 before you dig.
REDUCED PLAN CAUTION: THIS DRAWING HAS BE REDUCED 0 1/2 1 2 3 IN ORIGINAL DRAWING

LNG FUELING STATION
FOOD EXPRESS, INC.
1262 E. MADRUGA ROAD
LATHROP, CA 95330
KEY MAP & GRADING PLAN

ASSET NO: 12-02-8543
APN# 241-410-39-27

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FG #13997

DATE	SP LAYOUT VERSION	DATE	TEMPLATE VERSION	ZONE
04/10/2012	SP-1	03/20/2013	18000-SHORT_0_07_2-TANKS FULL BUILD OUT	SW_S_SE

DATE: 08/31/12
DRAWN BY: IM
SCALE: AS NOTED
SHEET: C-2.1
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