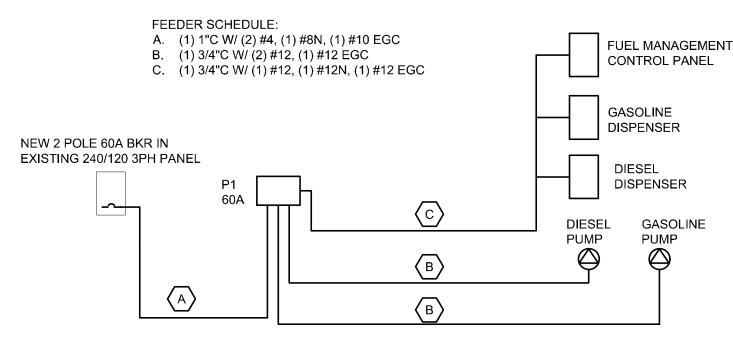
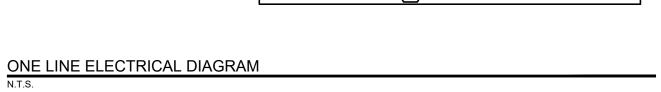
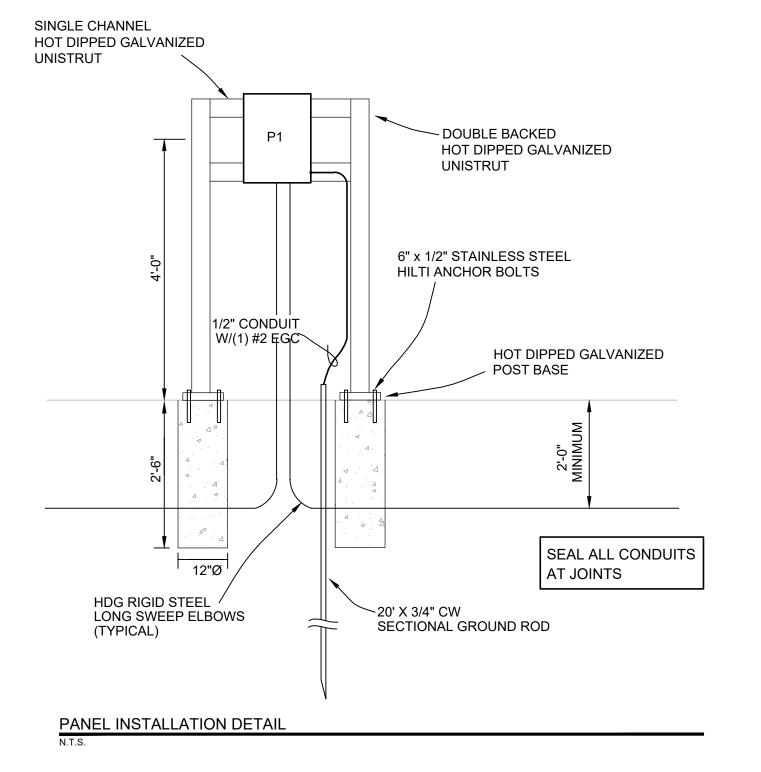
- THE DRAWINGS ARE DIAGRAMMATIC AND ALL MATERIALS AND LABOR REQUIRED TO MAKE THE SYSTEM COMPLETE AND IN SAFE WORKING ORDER SHALL BE PROVIDED. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES.
- 3. THE ELECTRICAL SYSTEM SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, TCEQ AND ANY OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- 4. THE ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, BOXES AND FITTINGS SHALL BE NEW AND SHALL MEET NEMA AND ANSI STANDARDS AND SHALL BEAR THE UL LABEL.
- CONTRACTOR IS RESPONSIBLE FOR FILING / PAYING FOR ALL LOCAL PERMITS AND PERMITS THROUGH TCEQ FOR FUEL STORAGE TANKS, ALONG WITH ALL CERTIFICATES OF INSPECTION THAT PERTAIN TO WORK DONE BY CONTRACTOR. CONTRACTOR SHALL DELIVER COPIES OF ALL PERMITS AND CERTIFICATES OF INSPECTION TO OWNER. CONTRACTOR SHALL DELIVER TO OWNER / CONSTRUCTION MANAGER ALL EQUIPMENT MANUALS (MAINTENANCE, INSTALLATION, USER, ETC.) FOR EQUIPMENT INSTALLED BY
- COORDINATE WORK WITH ALL OTHER TRADES AND DRAWINGS TO DETERMINE INTERFACE REQUIREMENTS NECESSARY TO PROPERLY INTEGRATE ALL SYSTEMS.
- CONTRACTOR SHALL PROVIDE JOB SPECIFIC SUBMITTALS, SHOP DRAWINGS, WIRING DIAGRAMS AND INSTALLATION DETAILS ON ALL EQUIPMENT BEING PROVIDED AND INSTALLED ON THIS PROJECT PRIOR TO PURCHASE AND INSTALLATION.
- AT COMPLETION OF THE JOB, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF AS BUILDS, OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT AND SHALL INSTRUCT OWNER'S MAINTENANCE PERSONNEL ON ALL OPERATING
- 9. ALL WIRING AND DEVICES WITHIN 20 FEET OF FUEL ISLAND SHALL BE INSTALLED AS PER THE NEC ARTICLE 514.
- 10. SURGE PROTECTION SHALL BE COPPER STORM TRAPPERS. CONSULT WITH VENDOR FOR APPLICATION.
- 11. PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.
- 12. FURNISH ALL NECESSARY SLEEVES, INSERTS AND GROUTING FOR ALL WORK PASSING THROUGH OR ATTACHING TO WALLS, FLOORS AND/OR CEILINGS.
- 13. ALL JUNCTION BOXES SHALL BE ACCESSIBLE FOR FUTURE SERVICE PER NEC.
- 14. CONDUITS SHALL NOT BE INSTALLED HORIZONTALLY IN SLAB OR STRUCTURAL FOOTINGS.
- 15. ALL CONDUITS BELOW GRADE SHALL BE PVC WITH RIGID STEEL LONG SWEEP ELBOWS.
- 16. ALL BELOW GRADE GROUNDING CONNECTIONS SHALL BE EXOTHERMIC NO EXCEPTIONS
- 17. A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED WITH THE CIRCUIT CONDUCTORS FOR GROUNDING WHETHER OR NOT INDICATED ON THE DRAWINGS. METAL RACEWAY, OR A CABLE ARMOR OR SHEATH SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR.
- 18. PROVIDE DISCONNECTS FOR ALL EQUIPMENT THAT IS NOT PROVIDED INTEGRAL TO THE EQUIPMENT.
- 19. CONTRACTOR SHALL VERIFY BREAKER REQUIREMENTS FOR ALL EQUIPMENT BEFORE ORDERING DISCONNECT SWITCHES.
- 20. VERIFY EXACT POWER REQUIREMENTS, CONNECTION TYPE AND NEMA CONFIGURATION OF OUTLET REQUIRED FOR OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH IN.
- 21. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT.
- 22. CONTRACTOR SHALL PROVIDE ALL OUTLET BOXES FOR LOW VOLTAGE SYSTEM AND SHALL STUB CONDUIT 12" ABOVE CEILING.
- 23. CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL CONDUIT AND CABLING PENETRATIONS THROUGH FIRE RATED PARTITIONS.
- 24. 120V CIRCUITS GREATER THAN 50' BUT LESS THAN 100' BETWEEN BREAKER PANEL AND FIRST DEVICE SHALL BE WIRED WITH #10 AWG BETWEEN PANEL AND FIRST DEVICE.
- 25. 120V CIRCUITS GREATER THAN 100' BETWEEN BREAKER PANEL AND FIRST DEVICE SHALL BE WIRED WITH #8 AWG BETWEEN PANEL AND FIRST DEVICE.
- 26. CONTRACTORS NEED TO MAKE SITE VISIT PRIOR TO BID. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.
- 27. ALL PANEL BOARDS AND LOAD CENTERS SHALL RECEIVE ENGRAVED NAME PLATES WITH PANEL DESIGNATION, VOLTAGE, PHASE, NUMBER OF WIRES AND A TYPED DIRECTORY FOR PANEL BRANCH CIRCUIT IDENTIFICATION.
- 28. ALL ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR.
- 29. ALL WORK PERTAINING TO THE FUEL TANK SYSTEM SHALL BE PERFORMED BY A CONTRACTOR LICENSED TO INSTALL FUEL DISPENSING SYSTEMS IN THE STATE OF TEXAS.
- 30. FUEL DISPENSING SYSTEM INSTALLATION CONTRACTOR SHALL HAVE LOCAL SERVICE TECHNICIANS FACTORY TRAINED ON THE SYSTEMS BEING INSTALLED.
- 31. CONTRACTOR SHALL INSTALL SYSTEMS SCHEDULED ON PLANS. ANY ALTERNATE EQUIPMENT SHALL BE EQUIVALENT TO THE SPECIFIED EQUIPMENT AND SHALL NOT RELIEVE THE CONTRACTOR OF PROVIDING THE OWNER WITH A FULLY FUNCTIONAL SYSTEM.
- 32. CONTRACTOR SHALL MAKE ALL UTILITY TRENCHES AND SHALL BACK FILL AND COMPACT ALL TRENCHES AS REQUIRED. OWNER SHALL REPAIR DRIVEWAY FINISHES ONCE ALL TRENCHES ARE COMPLETELY BACKFILLED AND COMPACTED IN A SATISFACTORY MANNER.
- 33. ALL FUEL PIPING ABOVE GROUND SHALL BE ASTM53 SCHEDULE 40 STEEL PIPE AND THREADED FITTINGS. ALL PIPING SHALL BE CLEANED AND PAINTED WITH HEAVY DUTY INDUSTRIAL GRADE PAINT. PAINT COLOR TO BE AS PER OWNERS PIPE COLOR SCHEME FOR FUEL PIPING.
- 34. PROVIDE PIPING IDENTIFICATION WITH PREFORMED PLASTIC PIPE WRAPS EQUAL TO CRAFTMARK "SPECMARK" FOR INDOOR AND OUTDOOR APPLICATIONS CONFORMING TO ASME (ANSI) 2007 SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS. LABELS TO SHOW SYSTEM AND FLOW DIRECTION. LABELS TO BE PLACED AT MAXIMUM 15' INTERVALS, NEAR EACH VALVE AND AT EACH BRANCH.

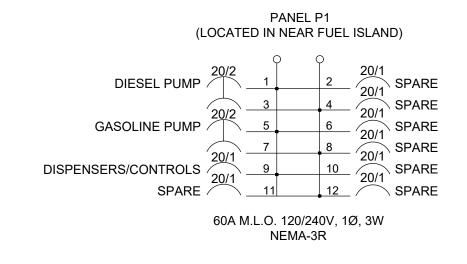
FUEL STORAGE TANK PARTS LIST				
PART NUMBER	MANUFACTURER	QUANTITY	DESCRIPTION	NOTES
		1	4K GALLON UL142 DOUBLE WALL ABOVE GROUND SPLIT FUEL TANK.	3K GALLON DIESEL, 1000 GALLON GASOLINE, PROVIDE FIXED LADDERS FOR ALL TANK ACCESS LOCATIONS
9853	GASBOY	1	SINGLE SIDED ELECTRONIC GASOLINE DISPENSER WITH PEDESTAL	SUBMERSIBLE PUMP DIRECT DRIVE RELAY KIT, REPLACEABLE 22GA KOOLINE SS PANELS / SHEATHING, INTERNAL FILTER, TOPKAT PLUS INTERFACE, DISPLAY POWER FAIL BACK-UP, UL LISTED, W & M; NCWM APPROVED, LED BACK LIGHT, FACTORY EXPLOSION PROOF JUNCTION BOX FOR FIELD WIRING, 13 GA HOT DIPPED G90 GALVANIZED STEEL FRAME, US GALLON MEASUREMENTS, HOSE, BREAKAWAY, SWIVEL, NOZZLE, 120/1/60
9853	GASBOY	1	SINGLE SIDED ELECTRONIC DIESEL FUEL DISPENSER WITH PEDESTAL	SUBMERSIBLE PUMP DIRECT DRIVE RELAY KIT, REPLACEABLE 22GA KOOLINE SS PANELS / SHEATHING, INTERNAL FILTER, TOPKAT PLUS INTERFACE, DISPLAY POWER FAIL BACK-UP, UL LISTED, W & M; NCWM APPROVED, LED BACK LIGHT, FACTORY EXPLOSION PROOF JUNCTION BOX FOR FIELD WIRING, 13 GA HOT DIPPED G90 GALVANIZED STEEL FRAME, US GALLON MEASUREMENTS, HOSE, BREAKAWAY, SWIVEL, NOZZLE, 120/1/60
9800 SERIES	GASBOY	1	TOPKAT PLUS, PEDESTAL MOUNT, ELECTRONIC FUEL MANAGEMENT SYSTEM	MUST CONFORM TO ISO 9001:2000 STANDARDS FOR QUALITY MANAGEMENT, UL APPROVED, MANUAL KEYPAD ENTRY, 2-STAGE AUTHORIZATION PROCESS, RECEIPT PRINTER, HARDWIRED COMMUNICATION VIA ETHERNET TO DEDICATED HOST PC (PC PROVIDED BY OWNER), STORES 25K TRANSACTIONS, 50K DRIVERS/VEHICLES, ONLINE AND OFFLINE MODES, SOLID STATE & RTC (REAL TIME CLOCK) WITH BACK UP, SURGE PROTECTION, (2) SEPERATE ISOLATED TCP/IP ETHERNET PORTS FOR SITER PERIPHERALS INTERFACE AND EXTERNAL COMMUNICATION TO REMOTE HOST COMPUTER, TANK LEVEL SENSING INTERFACE FOR VEEDER-ROOT TLS-4C, FLEETHEAD FUEL MANAGEMENT SOFTWARE, REAL TIME DYNAMIC GRAPHICAL MONITORING AND CONTROL OF DISPENSERS, REPORTING AND ALARMS FOR TANK LEVEL SENSING SYSTEM, REMOTELY OPEN A PUMP AND LIMIT THE QUANTITIES TO SPECIFIC TRANSACTIONS, REMOTE MAINTENANCE, REMOTE TROUBLESHOOT, REM,OTE SOFTWARE UPGRADES, GRAPHIC LCD DISPLAY, 120/1/60
TLS4C	VEEDER-ROOT	1	AUTOMATIC TANK GAUGE WITH INTERSTITIAL TANK MONITORING	7" COLOR WVGA LCD TOUCH SCREEN DISPLAY, MOUNT IN OFFICE BUILDING NEAR REMOTE FUEL MONITORING PC, INTERFACE TO TOPKAT PLUS, HARDWIRE TO PROBES AND SENSORS FOR INPUT, EMAIL NOTIFICATION, TANK SENSORS AND PROBES WITH WATER DETECTION FOR (2) TANKS AND INTERSTITIAL SPACE MONITORING, CONFIGURABLE ALARMS, 120/1/60
P75U1 RJ1	RED JACKET	2	SUBMERSIBLE TURBINE PUMP	UL LISTED, 3/4 HP, 230/1/60, .56 KW, CHECK VALVE, SIPHON PORTS AS NEEDED, LINE PRESSURE PORTS AS NEEDED, VENT PORTS AS NEEDED, FIXED SPEED, INTERLOCK WITH ASSOCIATED FUEL DISPENSER, STAINLESS STEEL TRAPPER INTAKE SCREEN, AUTOMATIC ELECTRICAL DISCONNECT, FUEL DRAIN
6211R302B2LD	POMECO/OPW	1	REMOTE FUEL FILL STATION	POWDER COATED STEEL CONSTRUCTION, ADJUSTABLE LEGS, BASE DRAIN VALVE, (2) 4" ENTRY HOLES, BOOTED ENTRY FITTINGS, 30 GALLON CAPACITY, CARB CERTIFIED, WELDED HINGES, LOCKABLE HATCH, DUST CAPS, OVERFILL PREVENTION, PROVIDE AND INSTALL ALL NECESSARY VALVES AND FITTINGS FOR PROPERLY WORKING SYSTEM TO MEET ALL CODE REQUIREMENTS

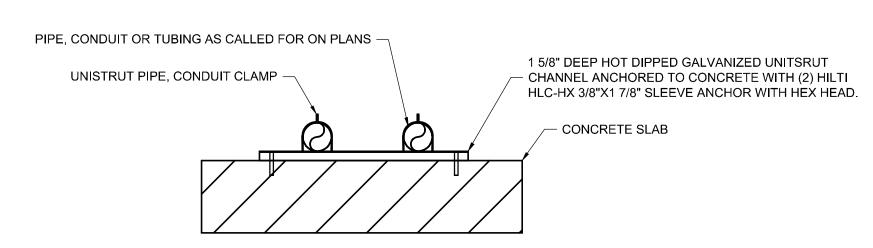
1. THE ABOVE SCHEDULE IS ONLY A LIST OF THE MAJOR COMPONENTS NEEDED FOR THE FUEL DISPENSING SYSTEM. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE MISCELLANEOUS COMPONENTS NEEDED TO PROVIDE THE OWNER WITH A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS ALL CODE REQUIREMENTS.

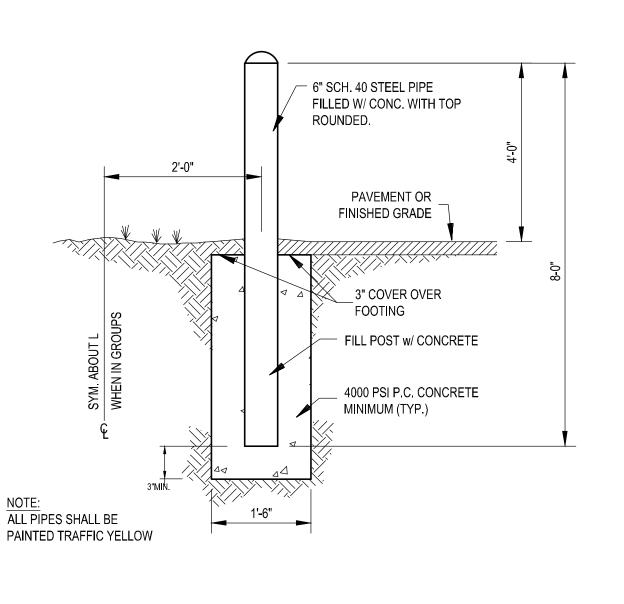




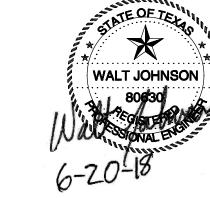




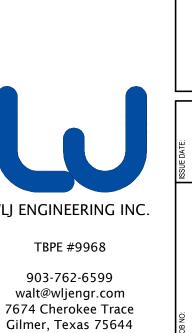




PIPING, CONDUIT SUPPORT DETAIL

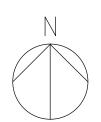


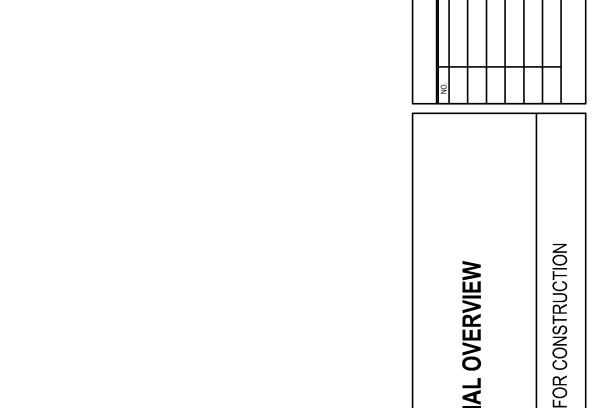




G COUNT TANK INS GORE TE







1" COMMUNICATION CONDUIT UP WALL AND INTO BUILDING 24" A.F.F.. ROUTE WIRING TO OWNERS PC WORKSTATION AND AUTOMATIC TANK GAUGE MODULE. COORDINATE FINAL TERMINATION POINT WITH OWNER. PROVIDE ANY NECESSARY 120V POWER NEEDED FOR AUTOMATIC TANK GAUGE FROM NEAREST AVAILABLE BREAKER PANEL.

EXISTING UTILITY POLE

REGG COUNTY FUEL TANK INST KILGORE TEXA

TBPE #9968

WLJ ENGINEERING INC. 903-762-6599 walt@wljengr.com 7674 Cherokee Trace

Gilmer, Texas 75644