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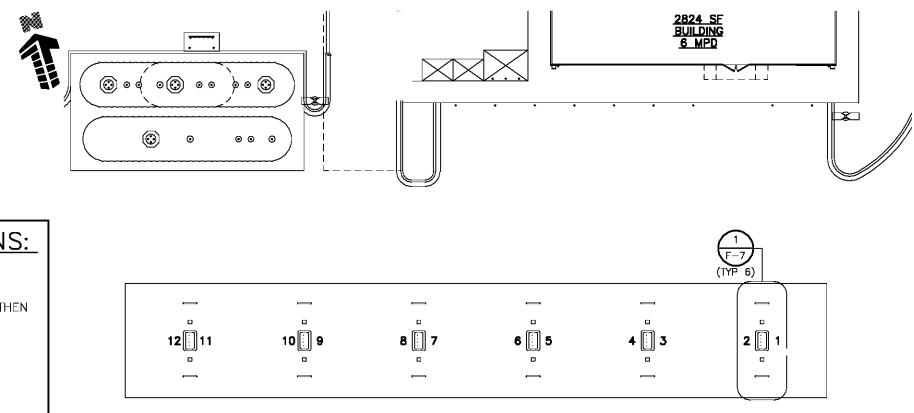
MURPHY EXPRESS
MURPHY OIL U.S.A. INC.
200 EAST PEACH STREET
EL DORADO, ARKANSAS 71730

LEGEND:

- = PART NUMBER; SEE SHEET F-1
- = KEYNOTE; SEE SHEET F-1
- = CONDUIT; SEE SHEET FE-1
- = DETAIL CALLOUT
- = ELEVATION CALLOUT
- = SECTION CALLOUT

DISPENSER NUMBERING INSTRUCTIONS:

1. SEE CIVIL SITE PLAN FOR BUILDING LOCATION.
2. CRINDS ARE NUMBERED INTERNALLY BEGINNING AT 0 (ZERO), THEN FOLLOW DISPENSER NUMBERING.
3. SEE DRAWING F-7 FOR EXACT LOCATION OF DISPENSERS IN RELATION TO CANOPY COLUMNS.
4. CONTRACTOR TO INSTALL OCTANE NUMBERS. (SUPPLIED WITH DISPENSERS)



2 DISPENSER NUMBERING PLAN
SCALE: 1" = 20'

GENERAL NOTES:

1. THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK PURPOSES ONLY. REFER TO CIVIL CONSULTANT FOR RELATIONSHIP OF THESE INSTRUCTIONS TO EXISTING CONDITIONS AND REFERENCE POINTS.
2. SEE DRAWING F-8 FOR PAVING PLAN DETAILS.
3. 1/2" FOAM EXPANSION JOINT MATERIAL SHALL SURROUND THE CANOPY COLUMNS, BUMPERS, BOLLARDS AND DISPENSER ISLANDS AT GRADE.
4. SEE DRAWING FE-1 FOR CONDUIT PLAN.
5. ORIENT SIDE 'A' FOR ALL DISPENSERS IN SAME DIRECTION. REFER TO 1/F-5 AND 1,2/FD-1 FOR SIDE 'A' ORIENTATION.
6. MOUNT TOP OF FIRE EXTINGUISHER ENCLOSURE AT 48" AFG.

SUBMERSIBLE PUMP - MASTER/SLAVE ALTERNATING CIRCUIT TEST PROCEEDURE:

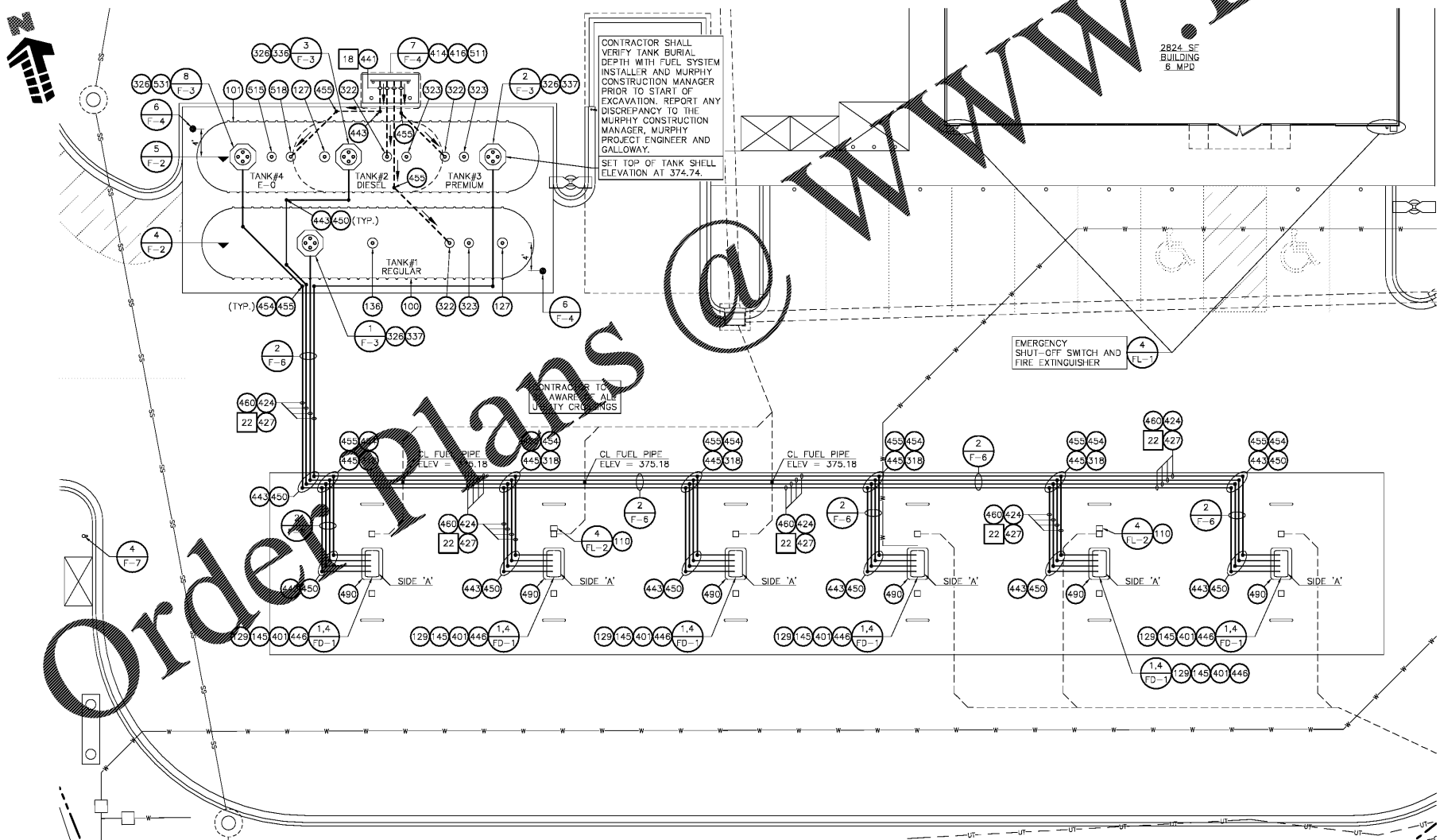
1. REGULAR UNLEADED MASTER/SLAVE ALTERNATING CIRCUIT SHALL BE VERIFIED BY AUTHORIZING A SINGLE REGULAR UNLEADED DISPENSER FUELING POINT (NO NEED TO PUMP FUEL, JUST AUTHORIZE THE FUELING POINT SO THAT A HOOK SIGNAL IS APPLIED TO THE REGULAR UNLEADED PUMP CONTROLLERS) AND OBSERVE THAT ONLY THE MASTER OR SLAVE CONTROLLER RESPONDS (INDICATED BY GREEN LIGHT FLASHING ON ONLY ONE REGULAR UNLEADED STP-SCI CONTROLLER, NOT BOTH).
2. IF PROPERLY OBSERVED, RETURN THE REGULAR UNLEADED FUELING POINT TO THE DISPENSER SO THAT THE HOOK SIGNAL IS DISCONNECTED AND OBSERVE THAT BOTH REGULAR UNLEADED CONTROLLERS ARE IDLE (INDICATED BY SOLID GREEN LIGHT ON BOTH).
3. IF PROPERLY OBSERVED, AGAIN AUTHORIZE A SINGLE REGULAR UNLEADED FUELING POINT AND OBSERVE THAT NOW THE OPPOSITE REGULAR UNLEADED STP-SCI CONTROLLER RESPONDS (INDICATED BY GREEN LIGHT FLASHING ON THE ALTERNATE STP-SCI CONTROLLER, NOT BOTH).
4. IF ANY OF THE ABOVE IS NOT PROPERLY OBSERVED, REVIEW MASTER-SLAVE WIRING AND SETUP PER QUICK INSTALLATION REFERENCE TO CORRECT BEFORE PROCEEDING WITH ANY FURTHER TESTING OR OPERATION OF REGULAR UNLEADED.
5. UPON SUCCESSFUL COMPLETION OF ABOVE TESTING, AUTHORIZE AT LEAST FOUR REGULAR UNLEADED FUELING POINTS AND SIMULTANEOUSLY BEGIN FUELING ALL NOZZLES AT WIDE OPEN FLOW INTO APPROVED GAS CAN FOR AT LEAST 10 SECONDS.
6. AFTER 10 SECONDS, STOP FUELING BUT LEAVE THE FUELING POINTS AUTHORIZED SO THAT A HOOK SIGNAL IS APPLIED TO THE REGULAR UNLEADED PUMP CONTROLS AND OBSERVE THAT THE MASTER AND SLAVE CONTROLLER RESPONDED (INDICATED BY GREEN LIGHT FLASHING ON BOTH REGULAR UNLEADED STP-SCI CONTROLLERS).
7. IF OPERATION IS NOT PROPERLY OBSERVED, REVIEW MASTER-SLAVE WIRING AND SETUP PER QUICK INSTALLATION REFERENCE, INCLUDING CALIBRATION PROCESS.

FUEL CONSULTANT VERIFICATION OF ALLOWABLE BURY DEPTH

800751 SC, Lexington		LOWEST ISLAND 1/2'
PRODUCT PIPING CALCULATION		
1. Elevation at Top of Island		377.98
2. Piping Elevation Exiting Dispenser Sump = #1 - 2.05		375.93
3. Additional piping burial for 9" piping crossover (if applicable = #crossovers x 0.75')	1	0.75
4. Additional piping burial for 6" piping crossing (4" clearance) (if applicable = #crossings x 0.5')	0	0
5. Pipe Elevation Entering STP Sump (#2-#3-#4)		375.18
6. Preliminary Top of Tank Elevation (#5-1.05')		374.14
7. Highest Tank Mat Elevation Above Tank Rib		379.17
8. Preliminary Tank Burial Depth (#7-#6)		5.03
9. Lowest Tank Mat Elevation Above Turbine Sump		378.32
10. Preliminary Tank Burial Depth (#9-#6)		4.18
11. Prelim. Tank Top Elev. (if Tank Burial < 3.58', Set Tanks at Tank Mat Elev. - 3.58')		375.59 374.74
12. TOP OF TANK SHELL ELEVATION		374.74
13. XERKES MAXIMUM BURY DEPTH CHECK		4.43 ± 7.0'

PRODUCT PIPING LEGEND:

- PRODUCT PIPING
- VENT PIPING
- SLOPE 1/4" PER FOOT MINIMUM DOWN TOWARD TANKS
- DIRECTION OF FLOW
- PROPERTY LINE



1 PRODUCT PIPING PLAN
SCALE: 1" = 10'

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