

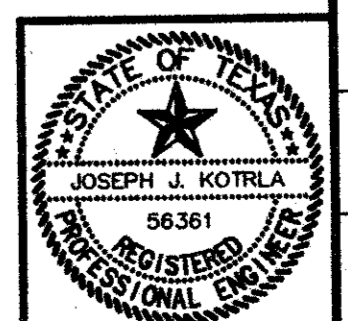
- NOTES:**
- USE EXISTING GROUNDING PAD FOR RELOCATED 150KVA TRANSFORMER TO GROUND NEW MCC "LB". RUN #4/0G IN 1" ALUMINUM CONDUIT. SUPPORT CONDUIT TO EXISTING SWITCHGEAR. GROUND WIRE IN ATTIC CAN BE RUN BARE. SUPPORT GROUND WIRE TO EXISTING RAFTERS.
 - REPLACE EXISTING EF-8 WITH NEW PENN ZEPHYR Z12H. PROVIDE NEW DUCT OF APPROPRIATE SIZE AND ROUTE TO EXISTING EF-5 AS SHOWN.
 - PROVIDE PENN ZEPHYR TDA Z12H INLINE SUPPLY FAN. ATTACH TO DUCT AND SUPPORT FROM CEILING AS SHOWN IN DETAIL.
 - ALL CONDUITS RUN IN ATTIC SHALL BE INSTALLED IN ORDER NOT TO OBSTRUCT WALKWAY ABOVE. ALLOW ROOM IN ATTIC FOR FUTURE AIR CONDITIONING EQUIP. AND DUCT SIMILAR TO THAT ABOVE CONTROL ROOM.
 - ALL NEW DUCTWORK SHALL BE MINIMUM 20 GAGE GALVANIZED STEEL WITH INTERLOCKING CONSTRUCTION. TRANSITION TO 22"x12" FROM NEW ZEPHYR FAN TO END OF DUCT.
 - REMOVE FILTER FROM BEHIND EXISTING GRILLE AND REPLACE WITH FABRICATED INSECT SCREEN. REPLACE ORIGINAL GRILLE.
 - FURNISH AND INSTALL NEW MANUAL MOTOR STARTER FOR NEW SUPPLY FAN. MOUNT STARTER ON SIDE OF SUPPLY FAN.
 - ALL CONDUITS FOR SWITCH GEAR ROOM SHALL BE RUN IN ATTIC. NEW EXPOSED CONDUITS IN SWITCH GEAR ROOM SHALL BE MOUNTED ON WALL AND PAINTED TO MATCH.
 - NEW SUPPLY FAN EQUIPMENT AND ACCESSORIES SHALL BE PAINTED TO MATCH EXISTING WALLS.
 - NEW 1500VA, 120V UPS FOR GENERATOR PROTECTIVE RELAYING AND PLC. RUN 2#12, #12G 3/4"C TO GENERATOR CONTROLS IN SWITCHGEAR. FURNISH AND INSTALL NEW 20A 1P BREAKER IN PNL L1.
 - NEW EMERGENCY LIGHT, HOLOPHANE DM6C50TNS2F1. MOUNT 7'AFF. RUN 2#12, #12G 3/4"C TO PNL L1. FURNISH AND INSTALL 20A 1P BREAKER.
 - NEW SIGNAL TERMINAL CABINET. TERMINATE ALL SIGNAL WIRING FROM GENERATOR IN NEW CABINET. FURNISH AND INSTALL HOFFMAN 24" T X 20" W X 8" D NEMA 12 W SUBPANEL. PAINT TO MATCH BLDG.

CONDUIT & CABLE SCHEDULE						
TAG #	CONDUIT SIZE	CABLES # SIZE	GND	SOURCE	LOAD	REMARKS
P105	5"	3 #2	#2	GEN.		USE EXIST. EC/NEW WIRING
P108	3"	3 #350	#2	MCC-LB	WP2	USE EXIST. EC/NEW WIRING
P110	3"	3 #3/0	#6	MCC-LB	WP4	USE EXIST. EC/NEW WIRING
C100	1 1/4"	20 #14	#10	PNL-11	JTB-C1	USE EXIST. COND. & WIRING
C101	1 1/4"	20 #14	#10	PNL-11	JTB-C1	USE EXIST. COND. & WIRING
C108	1 1/4"	20 #14	#14	MCC-LB	WP2/CS	USE EXIST. EC/NEW WIRING
C110	1 1/4"	20 #14	#14	MCC-LB	WP4/CS	USE EXIST. EC/NEW WIRING
C118	3/4"	8 #14	#14	WP2/CS	VLV CTRL	USE EXIST. EC/NEW WIRING
C120	3/4"	8 #14	#14	WP4/CS	VLV CTRL	USE EXIST. EC/NEW WIRING
C301	3/4"	20 #14	#14	MCC-LB	JTB-C1	USE EXIST. EC/NEW WIRING
C303	3/4"	20 #14	#14	MCC-LB	JTB-C1	USE EXIST. EC/NEW WIRING
C307	3/4"	MFG'S CABLE		JTB-C1	JTB-C1	USE EXIST. EC/NEW WIRING
S108	1 1/4"	1 2C/S 16		MCC-LB	WP2/CS	USE EXIST. EC/NEW WIRING
S110	1 1/4"	1 2C/S 16		MCC-LB	WP4/CS	USE EXIST. EC/NEW WIRING
S100	1 1/4"	14 #14		PNL-11	JTB-S1	USE EXIST. COND. & SPARE WIRING
S101	1 1/4"	14 #14		PNL-11	JTB-S1	USE EXIST. COND. & SPARE WIRING
S301	3/4"	1 2C/S 18		FT-6A	JTB-S1	EXIST. COND. & WIRING

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea, L.L.P.

ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
David [Signature]
DATE: 2-10-98



2-10-98 ADDENDUM 2
NO. DATE REVISION

TOWN OF ADDISON, TEXAS

**CELESTIAL ROAD PUMP STATION ADDITIONS
PUMP STATION PLAN**

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: J.J.K. PROJECT: 97 180 SHEET NO. 12
DRAWN BY: C.C.C. DATE: JANUARY, 1998 OF SHEETS