

**LEGEND-ONE LINE OR SCHEMATIC**

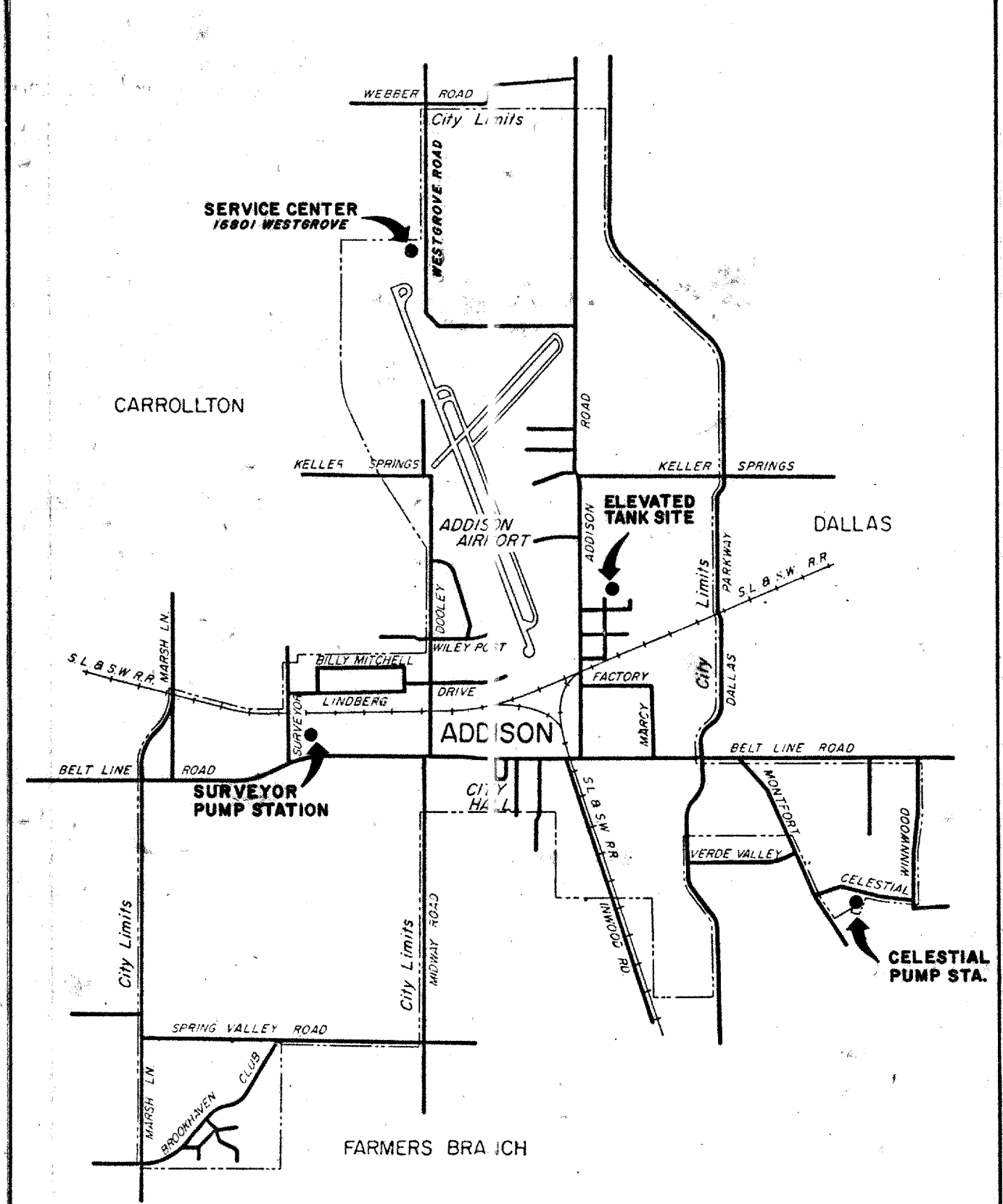
	POWER TRANSFORMER		REACTOR		MOMENTARY PUSHBUTTON NORMALLY CLOSED		LIGHTNING ARRESTER: STA-STATION GRADE INT-INTERMEDIATE GRADE DIST-DISTRIBUTION GRADE
	MEDIUM VOLTAGE CABLE TERMINATION		LOW VOLTAGE CB: AT - AMP TRIP AF - AMP FRAME		MAINTAINED PUSHBUTTON WITH MUSHROOM HEAD - PULL TO RESET		SURGE CAPACITOR: INT-INTERMEDIATE GRADE DIST-DISTRIBUTION GRADE
	DRAWOUT EQUIPMENT OR DEVICE		MOTOR CIRCUIT PROTECTOR - NUMBER DENOTES CONTINUOUS CURRENT RATING		SELECTOR SWITCH - TWO POSITION		PROTECTIVE RELAY: NUMBER INDICATES ANSI DEVICE DESIGNATION
	SWITCH - RATINGS AS INDICATED		RELAY: CR - CONTROL RELAY TR - TIMING RELAY		SELECTOR SWITCH - THREE POSITION		METERING DEVICE: V - VOLTMETER A - AMMETER
	MEDIUM VOLTAGE POWER CIRCUIT BREAKER		COUNTER		FLOW SWITCH		METERING SWITCH: VS - VOLTMETER SWITCH AS - AMMETER SWITCH
	CURRENT TRANSFORMER		ELAPSED TIME METER		LIMIT SWITCH		RESISTOR OR IMPEDANCE
	ZERO SEQUENCE CURRENT TRANSFORMER		CONDUIT AND CABLE SCHEDULE ID NUMBER		TEMPERATURE SWITCH		KEY INTERLOCK
	TRANSFORMER: PT-POTENTIAL CPT-CONTROL POWER		FUSE - RATINGS AS INDICATED		PRESSURE SWITCH		CONTACTOR - CURRENT RATING AS INDICATED
	TRANSFORMER CONNECTION TYPE - DELTA/WYE SHOWN		LOW VOLTAGE FUSED SWITCH: AT - FUSE SIZE AF - MAX SWITCH RATING		LEVEL SWITCH		MAGNETIC STARTER - NEMA SIZE INDICATED
	GROUND		MOMENTARY PUSHBUTTON NORMALLY OPEN		REMOTE DEVICE		OVERLOAD ELEMENT
			MCC DOOR MOUNTED DEVICE				

**ABBREVIATIONS**

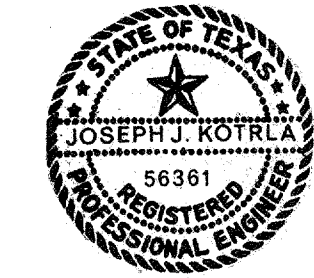
AC	ALTERNATING CURRENT	ICTO	INSTANT CLOSE, TIMED OPEN	VBS	VIBRATION SWITCH OR DETECTOR
AF	ABOVE FINISHED FLOOR	ITR	INDICATE TOTALIZE RECORD	V	VOLTS
AG	ABOVE GRADE	LA	LIGHTNING ARRESTER	WP	WEATHER PROOF
ALUM	ALUMINUM	LCO	LOW LEVEL CUT OFF	XFBR	TRANSFORMER
AMP	AMPERE	LTF	LIQUID TIGHT FLEXIBLE CONDUIT	XFMR	TRANSFORMER
ASC	ALUMINUM SLOTTED CHANNEL	LTS	LIGHT	XP	EXPLOSION PROOF
ATS	AUTOMATIC TRANSFER SWITCH	LS	LIMIT SWITCH	2S2W	TWO SPEED TWO WINDING
AUTO	AUTOMATIC	MED	MOTORIZED BACKDRAFT DAMPER	Z	IMPEDANCE
AUX, X	AUXILIARY	MCC	MOTOR CONTROL CENTER	JB	JUNCTION BOX
AWG	AMERICAN WIRE GAUGE	MCP	MOTOR CIRCUIT PROTECTOR	JTB	JUNCTION BOX W/TERMINALS
BFP	BLOWN FUSE PROTECTION	MFR	MANUFACTURER		
BRG	BEARING	MH	MANHOLE		
BRKT	BRACKET	MIV	MOTORIZED INTAKE VENT		
CONC	CONCRETE	MLO	MAIN LUGS ONLY		
C COND	CONDUIT	MNTD	MOUNTED		
CB	CIRCUIT BREAKER	MTR	MOTOR		
CKT	CIRCUIT	MV	MERCURY VAPOR		
CLF	CURRENT LIMITING FUSE	NC	NORMALLY CLOSED		
CPT	CONTROL POWER TRANSFER	NO	NORMALLY OPEN		
CR	CONTROL RELAY	NOTC	NORMALLY OPEN TIMED CLOSED		
CS	CONTROL SWITCH OR CONTROL STATION	N/P	NAMEPLATE		
CT	CURRENT TRANSFORMER	NTS	NOT TO SCALE		
CU	COPPER	OC	ON CENTER		
DI	DOOR INTERLOCK	OGL	OVERLOADS		
DN	DOWN	PC	PHOTO CELL		
DES	DRILLED EXPANSION SHELL	PCC	PALSTIC COATED RIGID STEEL CONDUIT		
DPTD	DOUBLE-POLE DOUBLE-THROW SWITCH	PMT	PAD MOUNTED TRANSFORMER		
EC	EMPTY CONDUIT	PNL	PANEL		
ELEV	ELEVATION	PB	PUSHBUTTON		
ETM	ELAPSED TIME METER	PRI	PRIMARY		
EOEH	ELECTRICALLY OPERATED ELECTRICALLY HELD	PT	POTENTIAL TRANSFORMER		
EOHM	ELECTRICALLY OPERATED MECHANICALLY HELD	PVC	POLYVINYL CHLORIDE		
EF	EXHAUST FAN	QTY	QUANTITY		
EFP	EXPANSION FITTINGS	RECPT	RECEPTACLE		
EXOW	EXOTHERMIC WELD	RPD	REMOTE PILOT DEVICE		
FBO	FURNISHED BY OTHERS	RPO	REMOTE PILOT OPERATOR		
FDR	FEEDER	RTD	RESISTANCE TEMPERATURE DETECTOR		
FLA	FULL LOAD AMPERAGE	RVNR	REDUCED VOLTAGE NON-REVERSING		
FVNR	FULL VOLTAGE NON-REVERSING	SC	SURGE CAPACITOR		
FVR	FULL VOLTAGE REVERSING	SCH	SCHEDULE		
FU	FUSE	SEC	SECONDS OR SECONDARY		
G, GND	GROUND	SF	SUPPLY FAN		
GEN	GENERATOR	SH	SHIELDED		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	S/N	SOLID NEUTRAL		
GFP	GROUND FAULT PROTECTION	SPDT	SINGLE-POLE DOUBLE THROW SWITCH		
GRS	GALVANIZED RIGID STEEL	SPN STL	STAINLESS STEEL		
HDG	HOT DIPPED GALVANIZED	SS	SAFETY SWITCH		
HDM	HARDWARE	SW	SWITCH		
HH	HANDHOLE	SWGR	SWITCHGEAR		
HID	HIGH INTENSITY DISCHARGE	SZ	SIZE		
HPS	HIGH PRESSURE SODIUM	TCIO	TIME CLOSE INSTANT OPEN		
HOA	HAND-OFF-AUTOMATIC SELECTOR SWITCH	TR	TIMING RELAY		
HT	HEIGHT	TYP	TYPICAL		
HTR	HEATER	UG	UNDERGROUND		
HZ	HERTZ	UH	UNIT HEATER		

**LEGEND-PLAN VIEWS**

	SAFETY SWITCH OR DISCONNECT SWITCH		TERMINAL BOX		THREE-WAY SWITCH		INTERCOM
	COMBINATION MOTOR STARTER		CONDUIT RUN EXPOSED UNLESS OTHERWISE NOTED 2" 12, 3/4" 12, 3/4" C UNLESS OTHERWISE NOTED		FOUR-WAY SWITCH		HORN OR SPEAKER
	MOTOR STARTER		CONDUIT RUN UNDERGROUND OR IN SLAB OR CONCEALED		KEY-OPERATED SWITCH		FIRE ALARM PULL STATION
	CONTACTOR		CONDUIT TURNING DOWN OR AWAY FROM VIEWER		SWITCH AND PILOT LAMP		FIRE DETECTOR
	MOTOR - NUMBER INDICATES HORSEPOWER		CONDUIT TURNING UP OR TO VIEWER		MANUAL MOTOR STARTER WITH OVERLOADS		SMOKE DETECTOR
	JUNCTION BOX - CEILING MOUNTED		LIQUID TIGHT FLEXIBLE CONDUIT		DUPLEX RECEPTACLE 120V, 20A, NUMBER DENOTES CIRCUIT		FIRE ALARM HORN
	JUNCTION BOX - WALL MOUNTED		"TEE" CONDUIT FITTING		FLOOR DUPLEX RECEPTACLE OUTLET		SECTION DETAIL OR SECTION NO. ELECTRICAL SHEET NO.
	CEILING MOUNTED LIGHT FIXTURE - TYPE A, CONTROLLED BY SWITCH B		CONDUIT TO PANEL L1, CIRCUITS 1 AND 3, 2 # 12, # 12 G, 3/4" CONDUIT		FLOOR SPECIAL PURPOSE OUTLET		DETAIL REFERENCE SHEET NO. DETAIL NO.
	WALL MOUNTED LIGHT FIXTURE - TYPE A		SINGLE-POLE LIGHT SWITCH		SPECIAL RECEPTACLE NEMA DESIGNATION SHOWN		
	EMERGENCY LIGHT FIXTURE		DOUBLE-POLE LIGHT SWITCH		TELEPHONE OUTLET		



**LOCATION MAP**  
NO SCALE



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS <b>CELESTIAL ROAD PUMP STATION</b>			
CHARLES R. McHEARY & ASSOCIATES CONSULTING ENGINEERS SUITE 217 6800 LEW FREEMAN DALLAS, TEXAS 75240		ELECTRICAL LEGENDS	
<b>GINN, INC.</b> Consulting Engineers Dallas, Texas			
Designed - JK	Drawn - JW	Date -	Job No. -
Approved -	Checked -	Scale -	Sheet E1 OF E12

*Joseph J. Kotrla*  
2-12-87