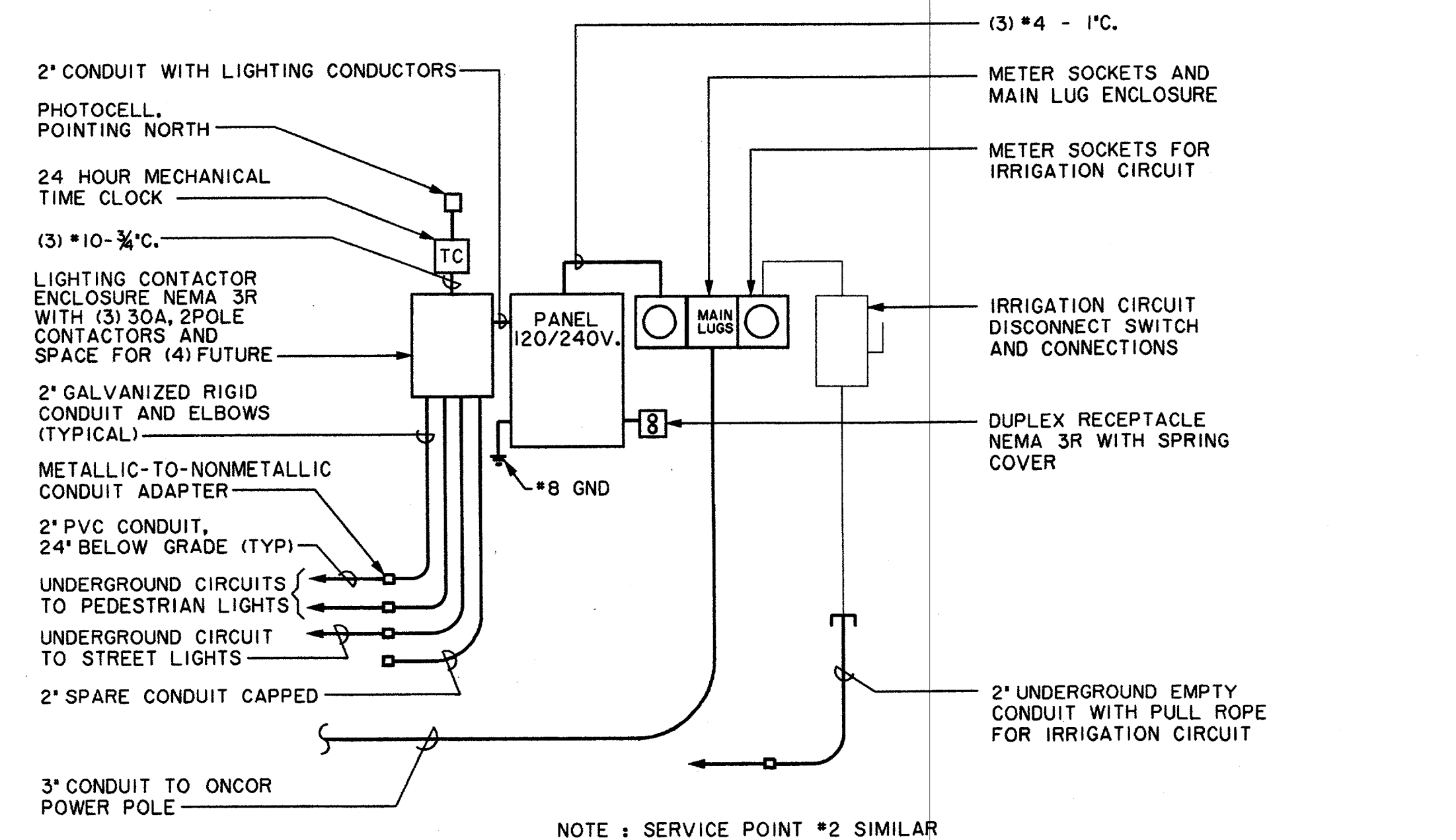


1 BASE BID : POWER RISER DIAGRAM - SERVICE POINT #1
55 SCALE: NONE

- NOTE:**
1. PROVIDE ALL INSTALLATION HARDWARE INCLUDING STEEL ENCLOSURE FOR SECURE INSTALLATION (DET. 3/55).
 2. TERMINAL BLOCK ENCLOSURE TO HAVE SPACE FOR MIN. OF (4) CIRCUITS FOR FUTURE EXPANSION.
 3. EXACT LOCATION OF PANEL TO BE DETERMINED AT PROJECT SITE.
 4. SERIES RATING FOR CIRCUIT BREAKERS SHALL BE 65K AIC.
 5. ENTIRE INSTALLATION TO BE RATED FOR NEMA 3R OUTDOOR INSTALLATION. PANEL AND SWITCH SHALL HAVE PROVISIONS FOR LOCKING.
 6. EXACT LOCATIONS OF EQUIPMENT SHALL BE DETERMINED AT THE PROJECT SITE. COORDINATE LOCATIONS WITH ONCOR ELECTRIC UTILITY AND OWNER.
 7. PROGRAM LIGHTS "ON" BY PHOTO CELL AND "OFF" BY TIME CLOCK.



2 ALTERNATE BID : POWER RISER DIAGRAM - SERVICE POINT #1
55 SCALE: NONE

GENERAL NOTES	
NUMBER	DESCRIPTION
1.	THE TERM "PROVIDE" SHALL MEAN FOR THE CONTRACTOR TO FURNISH AND INSTALL A COMPLETE OPERATING SYSTEM.
2.	LOCATIONS OF ALL LIGHT FIXTURES, PULL BOXES AND ROUTING OF CONDUITS SHALL BE IDENTIFIED ON THE SITE BY STAKES AND PAINT PRIOR TO ANY EXCAVATION. REQUIREMENTS FOR CONDUIT ROUTING ARE PROVIDED ON DRAWINGS AND SPECIFICATIONS. OWNER WILL REVIEW AT THE SITE AND PROVIDE DIRECTIONS ON FIELD ADJUSTMENTS OF UP TO 10 FEET FROM LOCATIONS SHOWN ON THE DRAWINGS.
3.	CONTRACTOR SHALL COORDINATE STORM WATER, WASTEWATER, WATER, IRRIGATION AND ELECTRICAL CONDUIT TRENCHING AND INSTALLATION TO MINIMIZE THE DISTURBANCE OF EXISTING TREE ROOTS.
4.	ALL PULL BOXES ARE 12"x18"x12" DEEP CONCRETE BOX WITH BOLT ON CONCRETE COVER OF BOX TO ALLOW CONDUCTORS TO LOOP THROUGH BOX.

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	PULL BOX, (12"x12"x18"L)
A-1,3	CIRCUIT NUMBERS FROM PANELS AT SERVICE POINTS.
	ELECTRIC SERVICE POINT WITH UTILITY METERS, DISCONNECT SWITCHES, PANELBOARD & LIGHTING CONTROLS.
	PEDESTRIAN LIGHT FIXTURE TYPE "A".
	STREET LIGHT FIXTURE TYPE "B".

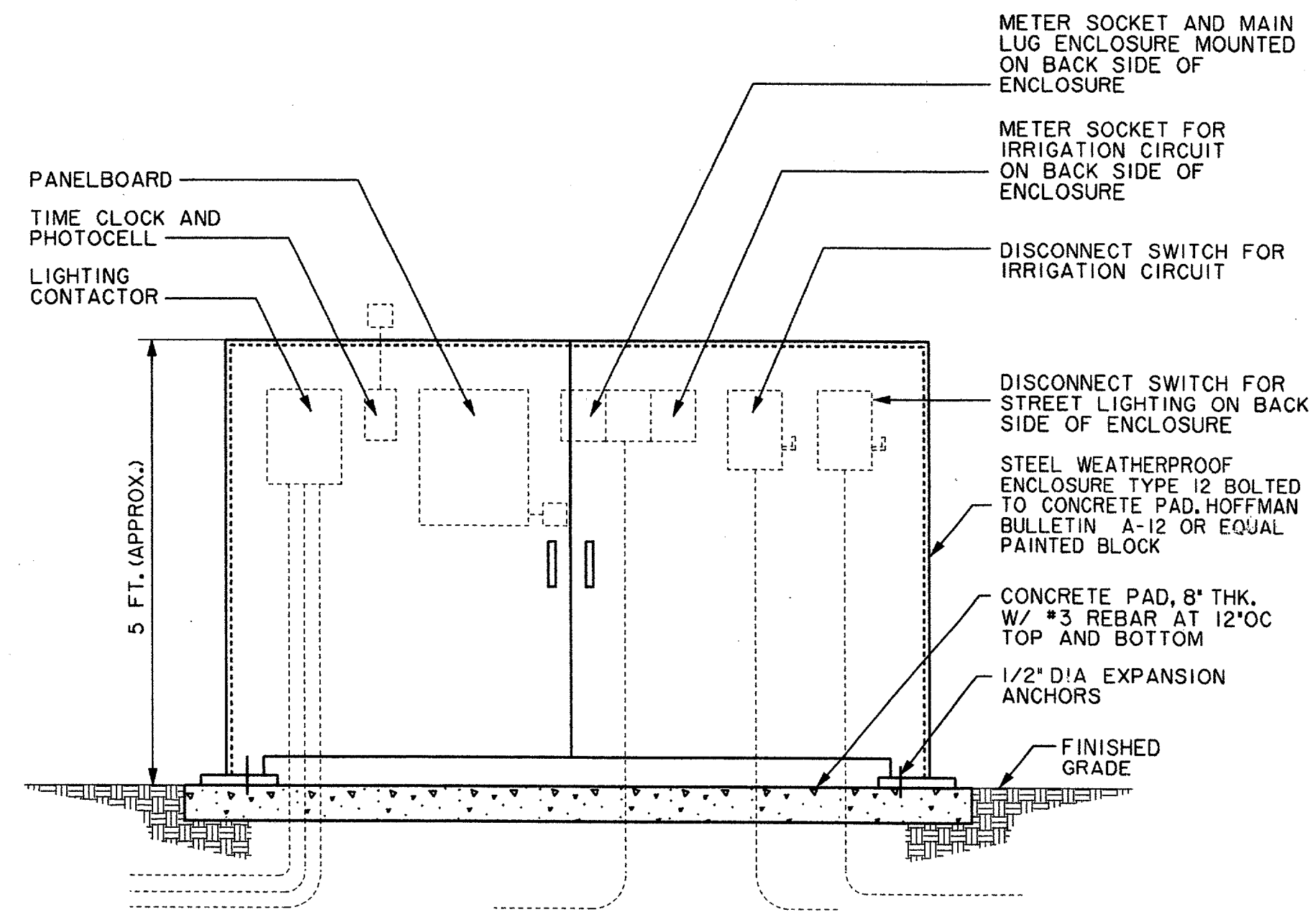
CIRCUIT SCHEDULE			
PANELBOARD	CIRCUIT BREAKER	CIRCUIT NUMBERS	LOAD SERVED
PANEL "A" 120/240 VOLT 1PH., 3WIRE WITH GROUND	20A/2P	A-1,3	PEDESTRIAN LIGHTS "A" (EAST)
	20A/2P	A-5,7	PEDESTRIAN LIGHTS "A" (WEST)
	20A/2P SPACES	A-9,11	STREET LIGHTS "B" (ALTERNATE)
80 AMP MCB (TYPICAL FOR PANEL "B")	20A/1P SPACES	A-2	DUPLEX RECEPTACLE
	20A/2P SPACES	A-4,6,8	
	20A/2P SPACES	A-10,12	
		A-14,16,18	

- NOTES TO CIRCUIT SCHEDULE:**
1. PROVIDE A #8 EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS.
 2. MAINTAIN CONDUCTOR SIZE SCHEDULED THROUGHOUT ENTIRE CIRCUIT.
 3. CIRCUITS SCHEDULED ABOVE ARE ALL RUN IN 2" CONDUIT.

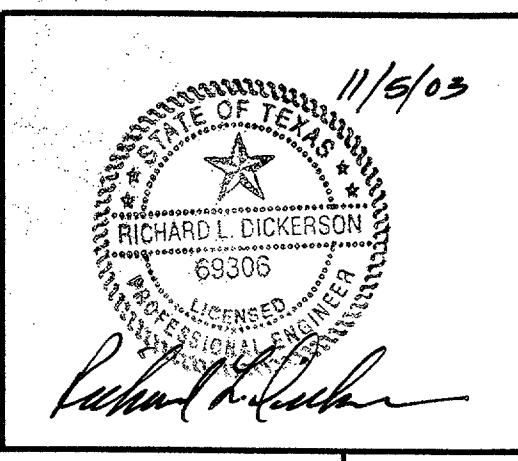
LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	LAMP	MANUFACTURER	CATALOG NO.	FINISH
A	CUSTOM STYLE (PEDESTRIAN)	175 MH	BEGA	9802MH (2 LIGHTS 180 DEG. APART)	BLACK
A-POLE	LENGTH 15'-8" ROUND HINGED POLE		BEGA	1508HR	BLACK
B	CUSTOM STYLE (STREET)	250 MH	----	SEE NOTE #7 BELOW.	BLACK
B-POLE	LENGTH 30'-6" SQUARE POLE		----	SEE NOTE #7 BELOW.	BLACK

- NOTES:**
1. PROVIDE REINFORCED CONCRETE BASE, ANCHOR BOLTS AND REQUIRED ACCESSORIES. REFER TO DETAILS ON SHEET 13.
 2. BID SHALL BE BASED UPON THE ABOVE LISTED LIGHT FIXTURES TO MATCH EXISTING LIGHTING INSTALLATIONS. SUBSTITUTIONS MUST BE APPROVED BY OWNER PRIOR TO AWARD OF CONTRACT.
 3. PROVIDE MATCHING BASE COVER FOR EACH FIXTURE. GROUT UNDER ALL POLE BASES.
 4. ALL FIXTURES ARE 240 VOLT. PROVIDE DOUBLE FUSING IN EACH POLE
 5. A CUSTOM HINGED POLE IS REQUIRED FOR FIXTURE TYPE A & B (45° HINGED).
 6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 7. FOR DESCRIPTION OF TYPE "B" STREET LIGHT FIXTURE AND POLE REFER TO "SPECIAL PROVISION MISCELLANEOUS DETAILS" IN THE SPECIFICATIONS.

- BASE BID: (REF. SHEET 54) TOWN OF ADDISON OWNS THE PEDESTRIAN LIGHT SYSTEM. ONCOR WILL ACCEPT OWNERSHIP OF STREET LIGHT SYSTEM**
1. PROVIDE (1) 3" EMPTY CONDUIT BELOW GRADE FROM ONCOR SERVICE POLE TO SERVICE POINT.
 2. PROVIDE STEEL WEATHERPROOF ENCLOSURE WITH CONCRETE PAD TO SUPPORT UTILITY METERS, PANELBOARDS AND LIGHTING CONTROL EQUIPMENT. REFER TO DETAIL 3/55.
 3. PROVIDE ALL METER SOCKETS, DISCONNECT SWITCHES, PANELBOARDS AND LIGHTING CONTROL EQUIPMENT.
 4. PROVIDE PEDESTRIAN LIGHT FIXTURES TYPE "A". POLES, CONCRETE POLE BASE AND UNDERGROUND CONDUITS WITH POWER CIRCUITRY.
 5. PROVIDE STREET LIGHT FIXTURES TYPE "B". POLES, CONCRETE POLE BASE AND EMPTY UNDERGROUND CONDUIT SYSTEM. POWER WIRING WILL BE INSTALLED BY ONCOR.
 6. PROVIDE EMPTY CONDUIT FOR IRRIGATION SYSTEM.
- ALTERNATE BID: (REF. SHEET 54A) TOWN OF ADDISON OWNS THE PEDESTRIAN LIGHT SYSTEM AND THE STREET LIGHT SYSTEM**
1. IN ADDITION TO THE BASE BID PROVIDE POWER WIRING TO STREET LIGHTS, STREET LIGHT AND PEDESTRIAN LIGHT POWER CIRCUITS INSTALLED IN A COMMON CONDUIT SYSTEM.



3 SERVICE POINT ENCLOSURE
55 SCALE: NONE



DATE	DESCRIPTION	REF. NO.
1/05/04	ISSUED FOR CONSTRUCTION	
11/07/03	ISSUED FOR BID	

STREET LIGHT NOTES & DETAILS

SPECTRUM DRIVE EXTENSION

TOWN OF ADDISON, TEXAS

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DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	NONE	AUG 2003	01-3220-01	55