

4-13-174

LEGEND

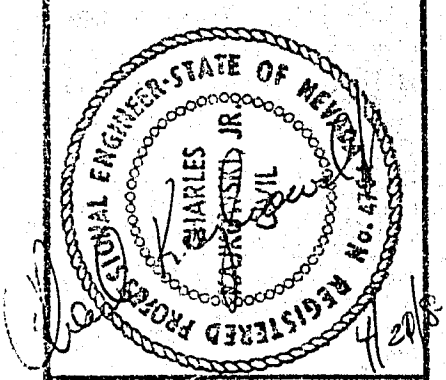
- LIGHTING STANDARD
- # 3/2 PULL BOX
- WATER CONTROLLER CABINET
- 1" CONDUIT STUB AND CAP
- # 1" RIGID NON METALIC CONDUIT SCHEDULE 40 - CONDUCTORS AS INDICATED

APPROXIMATE QUANTITIES		
ITEM No.	DESCRIPTION	TOTAL UNIT
623.00.00	WATER CONTROLLER CABINET	1 E.A.
*	IRRIGATION CONTROLLER	
	LOAD CENTER	1 E.A.
	PUMP TIME CLOCK	1 E.A.
	1" PVC CONDUIT	840 L.F.
	# 10 THW CONDUCTOR	2440 L.F.
	LIGHTING STANDARDS	
	LUMINAIRES	10 E.A.
	POLES	10 E.A.
	FOUNDATIONS	10 E.A.
	FUSE HOLDERS / FUSES	10/20 E.A.
	PULL BOX	1 E.A.

* SEE IRRIGATION PLAN (SHT.) ITEM 213.25.04

GENERAL NOTES

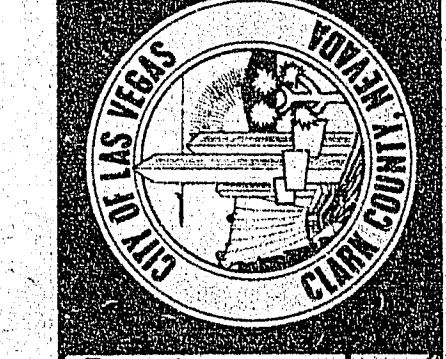
1. UNDERGROUND CONDUIT SHALL BE INSTALLED 24" BELOW FINISH GRADE TO TOP OF CONDUIT. BACKFILL SHALL COMPLY WITH SECTION G23 OF THE CITY OF LAS VEGAS STANDARD SPECIFICATIONS. RIGID METAL CONDUIT SHALL MAKE TRANSITION FROM 24" BELOW GRADE TO EQUIPMENT. 2" 10 MIL PIPE WRAP TAPE SHALL BE INSTALLED WITH A 50% OVERLAP TO ALL PORTIONS OF CONDUIT IN CONTACT WITH EARTH OR SLABS IN CONTACT WITH EARTH. THE TAPE SHALL EXTEND AT LEAST 2" ABOVE FINISH GRADE. ALL PVC CONDUITS SHALL BE SCHEDULE 40.
2. ALL WIRING SHALL BE COPPER WITH THW INSULATION ALL NEUTRAL CONDUCTORS SHALL BE WHITE AND WHITE ONLY. ALL GROUNDING CONDUCTORS SHALL BE GREEN AND GREEN ONLY. THERE SHALL BE NO SPLICES BETWEEN LOAD CENTER IN WATER CONTROLLER CABINET AND PANEL B.
3. ALL WATER HANDLING EQUIPMENT, REINFORCING STEEL, METALIC PORTIONS OF WATER PIPING SYSTEM, WATER CONTROLLER CABINET, AND THE ENCLOSURES OF THE EQUIPMENT INSIDE OF THE CABINET SHALL BE BONDED TOGETHER WITH A BARE # 8 COPPER CONDUCTOR UNBROKEN AND ATTACHED AS SHOWN ON SHEET E3
4. EQUIPMENT MOUNTING, LUG ATTACHMENT, AND BUS INSTALLATION SHALL BE WITH A MACHINE SCREW INTO THREAD OPENINGS OR MACHINE SCREW AND NUT. NO SHEET METAL OR WOOD SCREWS SHALL BE USED.
5. CONDUITS SHALL BE ROUTED OUTSIDE OF PLANTER AREAS WHEREVER POSSIBLE. CONDUITS STUBBED FOR FUTURE USE SHALL HAVE A # 10 INSULATED PULL WIRE INSTALLED AND GROUNDED OUTSIDE CONDUIT AT THE STUBBED END.
6. LIGHTING POLES SHALL BE STEEL, PRIME PAINTED, WITH TWO COATS OF BRONZE ALKYD ENAMEL TO MATCH LUMINAIRE AND SHALL HAVE TWO OR FOUR PIECE BASE COVERS COVERING ENTIRE POLE BASE. LIGHTING STANDARDS SHALL BE INSTALLED AS INDICATED ON PRINTS E1, E2 AND IN DETAIL ON SHEET E3.
7. LUMINAIRES SHALL BE 150/55V HPS WITH POLYCARBONATE REFRACTOR. LINE VOLTAGE SHALL BE 240 V A.C. LUMINAIRES SHALL BE DARK BRONZE AND HAVE MANSARD CANOPY OPTION. G.E. CATALOG # T21 N 291 OR APPROVED EQUAL AS INDICATED ON SHEET E3
8. ALL CONDUITS TO LIGHTING STANDARDS SHALL CONTAIN A GREEN # 10 THW EQUIPMENT GROUND CONNECTED TO POLE GROUNDS AT EACH POLE.
9. ALL WIRING TAPS SHALL BE MADE WITH SPLIT BOLT CONNECTORS PROPERLY TAPED.
10. LIGHTING CONDUCTORS SHALL ORIGINATE AT PANEL "C" CONNECTED TO A TWO POLE 30 AMP CIRCUIT BREAKER
11. A TWO POLE BUS FROM HEX AA WATERPROOF FUSE HOLDER SHALL BE INSTALLED AT EACH POLE AS INDICATED ON SHEET E3
12. DELIVER ALL ITEMS TO BE SALVAGED TO THE C.L.V. ELECTRICAL DIVISION (AT MOJAVE AND BONANZA) DURING RECEIVING HOURS. CONTACT GEORGE FERRIS CHIEF OF ELECTRICAL SERVICES AT 386 6331 24 HOURS PRIOR TO DELIVERY.



Department of Public Services
Engineering Design Division

AREA LIGHTING WATER CONTROLLER ELECTRICAL

LORENZI PARK
SENIOR CITIZENS AREA



Drawing no. 650.19-29

Revisions

Date

Date

Date

Date

Date

Date

Date

Date

Date

Date

Date

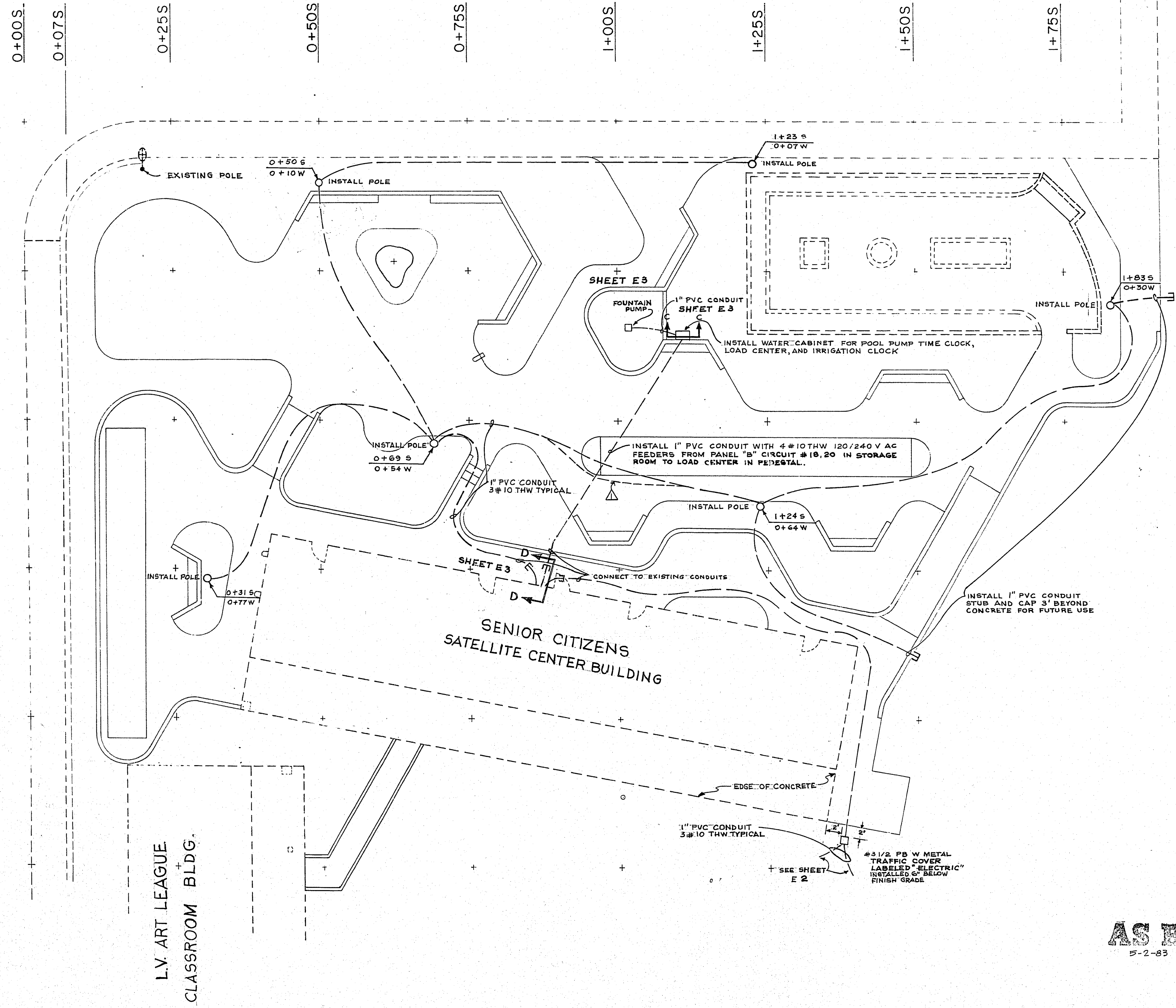
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AS BUILT
5-2-83 P. LEE

CONTRACT DRAWING
OCT 12 1981

BID NO. 82-3550.5