

- [illegible]

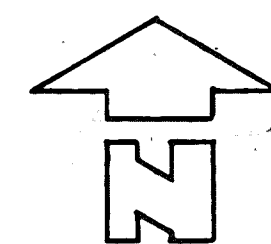
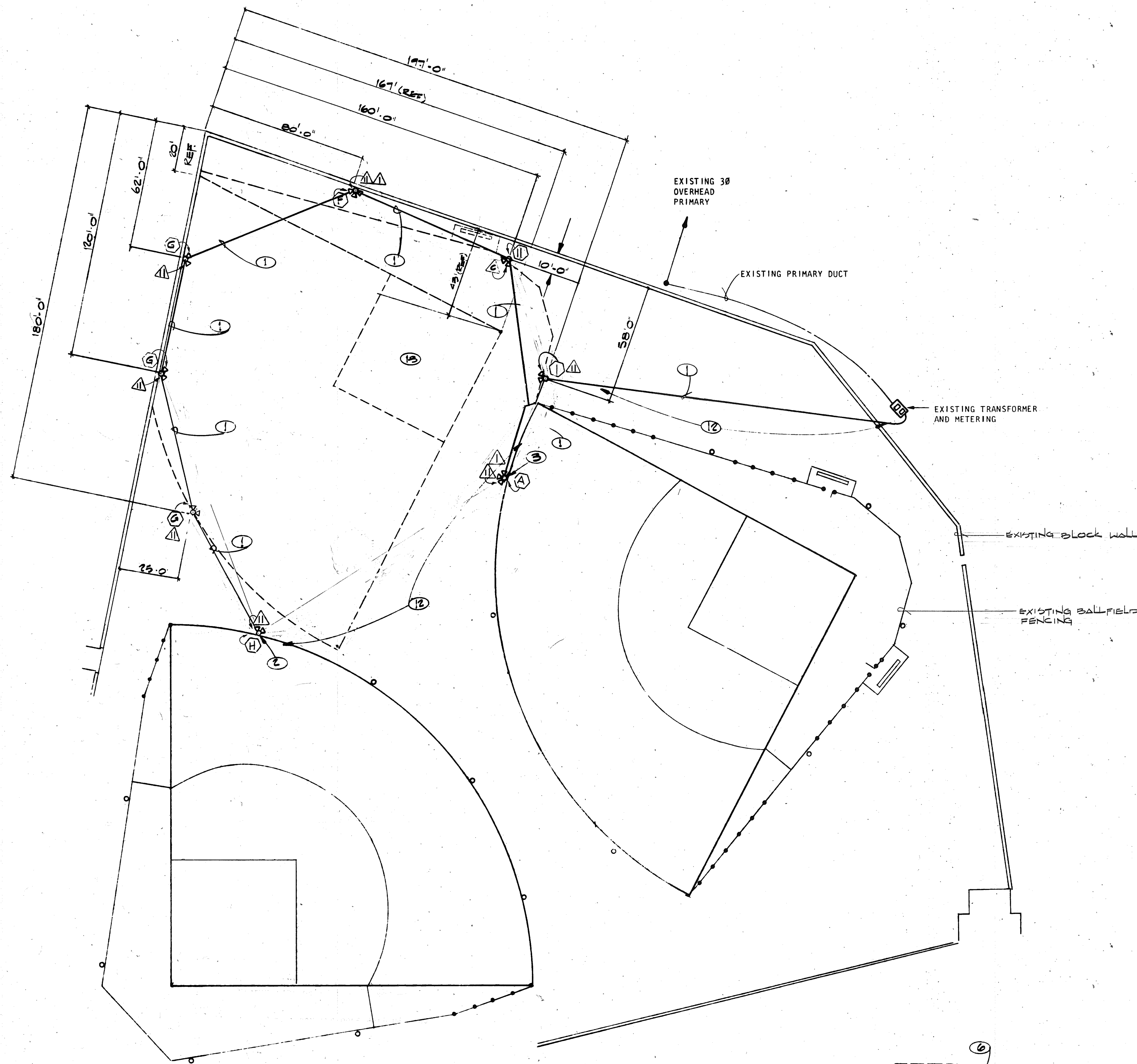
RISER DIAGRAM
NO SCALE

SUN TEQ ENGINEERING INC.

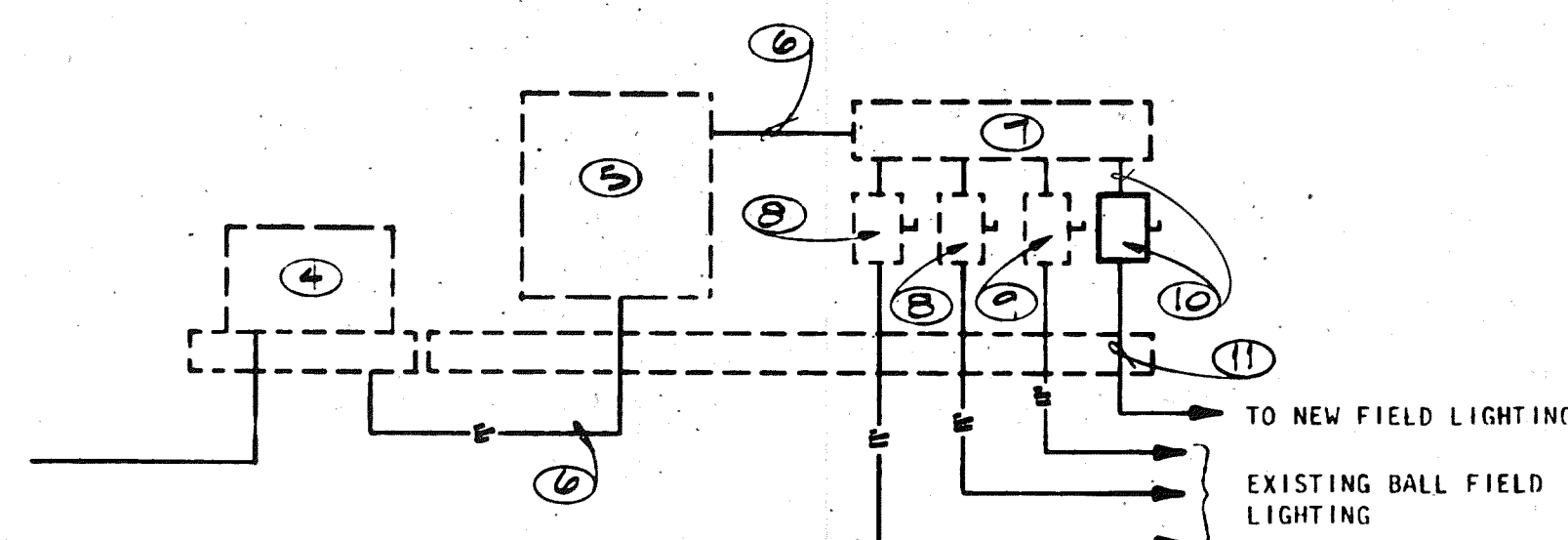
CITY ENGINEER

DRAWING NO.	00196	SHEET	2	OF	7
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HEIGHTS COMMUNITY CENTER - ELECTRICAL PLAN
SCALE 1"=30'-0"



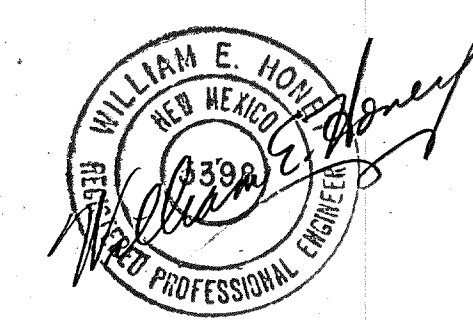
RISER DIAGRAM
NO SCALE

KEYED NOTES

- ① 3C #8 CU. DIRECT BURIAL WITH #8 BARE CU. MINIMUM DEPTH OF BURIAL 36".
- ② MOUNT LIGHTS ON EXISTING POLE PER POLE SCHEDULE. DO NOT DISTURB EXISTING LIGHTS AND WIRING.
- ③ MOUNT LIGHTS ON EXISTING POLE PER POLE SCHEDULE. REMOVE SMALL FLOODLIGHT. DO NOT DISTURB OTHER EXISTING LIGHTS AND WIRING.
- ④ EXISTING 277/480V Y TRANSFORMER.
- ⑤ EXISTING METER AND INSTRUMENT TRANSFORMER ENCLOSURE.
- ⑥ EXISTING 4C-#500 MCM AL IN 4" GRS CONDUIT.
- ⑦ EXISTING 8"x8"x2'-0" WIREWAY.
- ⑧ EXISTING 60A, 3P. SAFETY SWITCH.
- ⑨ EXISTING 30A, 2P SAFETY SWITCH.
- ⑩ INSTALL 60A, 3P. HEAVY DUTY SAFETY SWITCH (SQUARE D H362 NRB) WITH 3-40A BUSS CLASS R FUSES. PAINT TO MATCH BACKBOARD. DRILL LOCKING DEVICE TO PERMIT LOCKING IN BOTH "OPEN" AND "CLOSED" POSITION.
- ⑪ 3C #8CU DIRECT BURIAL WITH 1 #8 BARE CU. PROTECT WITH 2" GRS CONDUIT AND EXISTING 2" GRS CONDUIT ELBOW THROUGH SLAB.
- ⑫ CAUTION: EXISTING BURIED ELECTRICAL CABLES IN THIS AREA TO SUPPLY EXISTING BALL FIELD LIGHTING.
- ⑬ FENCES AND LAYOUT FOR NEW BALL FIELD TO BE ACCOMPLISHED BY OWNER AFTER LIGHTING PROJECT IS COMPLETE.

TOTAL CONNECTED LOAD:	BALLFIELD #1 (EXISTING)	22.5KVA
	BALLFIELD #2 (EXISTING)	22.5KVA
	BALLFIELD #3 (NEW)	22.5KVA
		67.5KVA

1	2	3	4	5	6	7	8	9	10	11	12
06	00	02	03	62							



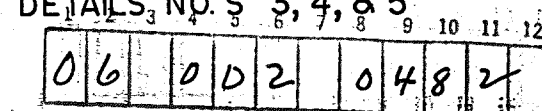
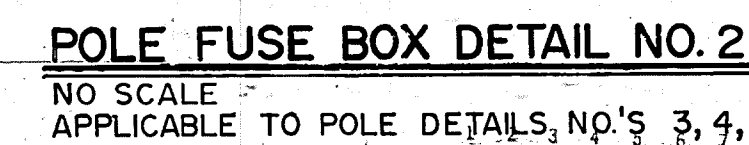
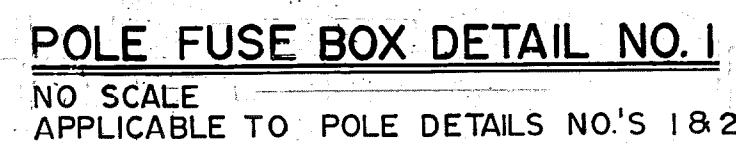
SUN TEQ ENGINEERING INC.

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: HEIGHTS C.C. & LOS ALTOS SOFTBALL LIGHTING ELECTRICAL PLAN- HEIGHTS C.C.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO. 00197			SHEET 3 OF 7		

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR: PALLES ELECTRIC CO.	DATE			MAP NO. K-15	FIELD NOTES	EST. NO.	W.O. NO.	NO.	DATE
WORK STAKED BY: J. F. P. J. J. J.	DATE				BY				
FIELD ACCEPTANCE BY: J. F. P. J. J. J.	DATE								
FIELD CORRECTION BY: J. F. P. J. J. J.	DATE								
DRAWING CORRECTED BY: J. F. P. J. J. J.	DATE								
RECORDED BY: J. F. P. J. J. J.	DATE								



SUN TEQ ENGINEERING

APPROVED FOR CONSTRUCTION	
CITY ENGINEER	DATE

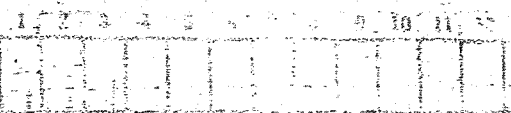
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: HEIGHTS C.C. & LOS ALTOS SOFTBALL LIGHTING ELECTRICAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO. 00198			SHEET 4 OF 7		

[illegible]

FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	MOUNTING
	WIDELITE LHM 1500-5T-240	1-M1500 HBU-E CLEAR	POLE
	WIDELITE LHM 1500-4T-240	1-M1500 HBU-E CLEAR	POLE
	WIDELITE LHM-2/1000-5T/6T-480 R-2	2-MU1000 BU CLEAR	POLE
	WIDELITE LHM-2/1000-6T-480R-2	2-MU1000 BU CLEAR	POLE
	WIDELITE LHM-1000-6T-480	1-MU1000 BU CLEAR	POLE

POLE SCHEDULE			
TYPE	DESCRIPTION	MOUNTING HGT.	DETAIL NO.
	EXISTING 60' POLE	40'-0"	1
	EXISTING 50 FOOT POLE	48'-0"	5
	EXISTING 55 FOOT POLE	55'-0"	3
	NEW 60 FOOT CLASS 3 DOUGLAS FIR TREATED POLE 8'-0" EMBEDDED DEPTH	50'-0"	4
	NEW 50 FOOT CLASS 3 DOUGLAS FIR TREATED POLE 8'-0" EMBEDDED DEPTH	40'-0"	2
	NEW 60 FOOT CLASS 3 DOUGLAS FIR TREATED POLE 8'-0" EMBEDDED DEPTH	40'-0"	1
	NEW 60 FOOT CLASS 3 DOUGLAS FIR TREATED POLE 9'-0" EMBEDDED DEPTH	50'-0"	2
	EXISTING 60 FOOT POLE	50'-0"	2

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	FLOODLIGHTS MOUNTED ON WOOD POLES SEE POLE AND FIXTURE SCHEDULES FOR DETAILS.
	SAFETY SWITCH, TO HAVE POLES AND RATING REQUIRED, TO BE NEMA 3R IF INSTALLED OUTDOORS.
	UNDERGROUND CONDUCTORS ENCASED IN CONDUIT.
	UNDERGROUND CONDUCTORS DIRECT BURIAL.
	EXISTING LIGHTING POLES
	LIGHTING FIXTURE DESIGNATION, SEE FIXTURE SCHEDULE.
	POLE DESIGNATION, SEE POLE SCHEDULE.



06 002 0582

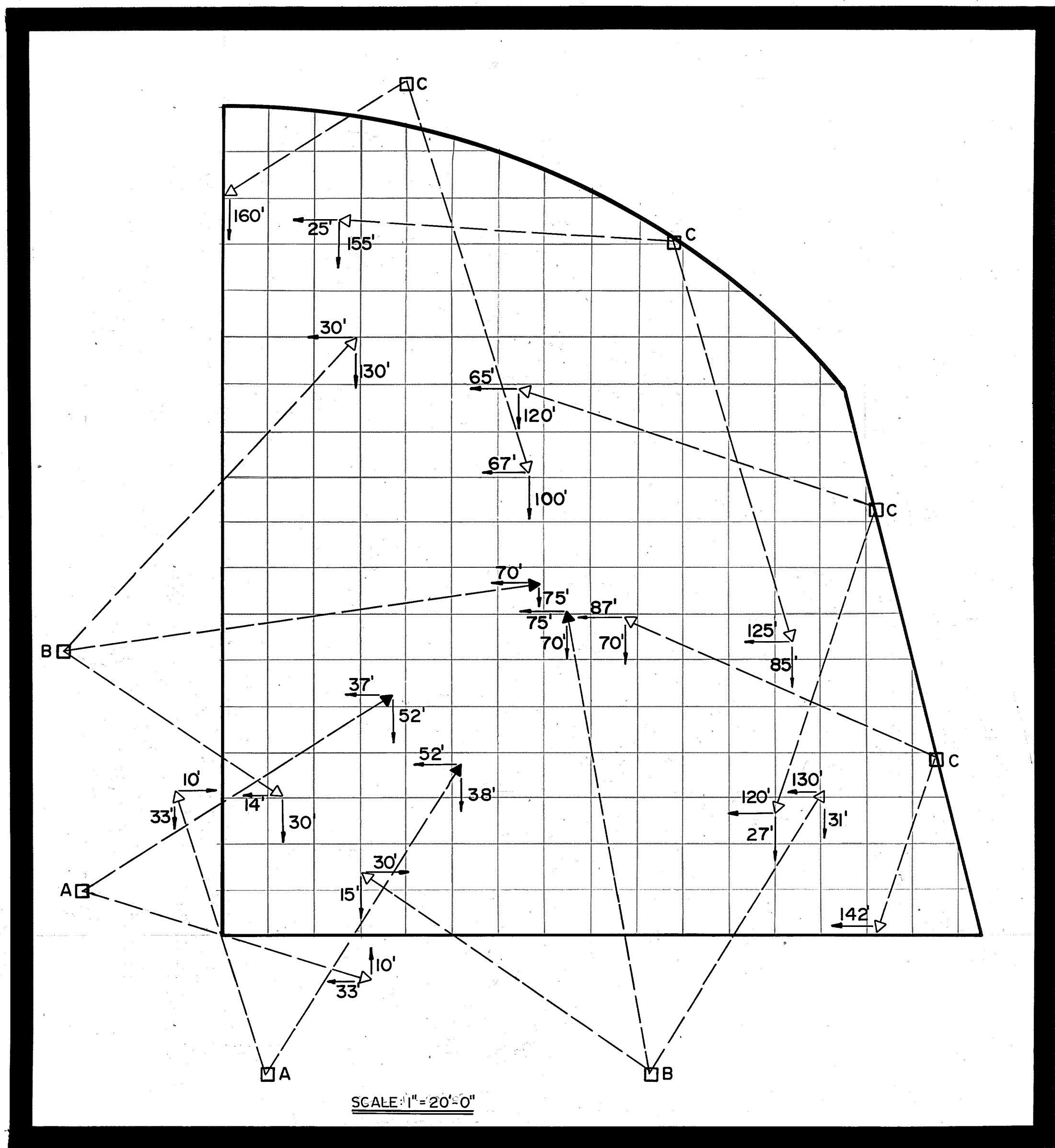


SUN TEQ ENGINEERING INC.

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION				
TITLE: HEIGHTS C.C. & LOS ALTOS SOFTBALL LIGHTING ELECTRICAL SCHEDULES				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer			Liquid Waste	
A.C.E.- Design			Traffic	
A.C.E.-Hydrology			Water	
DRAWING NO. 00199			SHEET 5 OF 7	



LIGHT FIXTURE SCHEDULE		
QUANTITY	WIDE-LITE CATALOG NO.	DESCRIPTION
4	LHM-2/1000-BT/WT-480K	WIDE-LITE "LEAGUE LITE" FLOODLIGHT
4	LHM-2/1000-WT-480K	WIDE-LITE "LEAGUE LITE" FLOODLIGHT
2	LHM-1000-WT-480K	WIDE-LITE "LEAGUE LITE" FLOODLIGHT
1B	MVR-1000/1	CLEAR METAL HALIDE LAMP

POLE SCHEDULE			
POLE	QUANTITY	WIDE-LITE CATALOG NO.	MIN. MOUNTING HEIGHT
A	1	LHM-2/1000-BT/WT-480	45.0'
B	1	LHM-2/1000-BT/WT-480	45.0'
C	1	LHM-2/1000-WT-480	45.0'

NOTE:
EXACT MOUNTING DETAILS SHALL BE DETERMINED AT JOB SITE BY OTHERS.
---> DENOTES THE AIMING OF ONE LHM-1000-WT REFLECTOR HEAD
---> DENOTES THE AIMING OF ONE LHM-1000-BT REFLECTOR HEAD.
---> DISTANCE TO LEFT FOUL LINE
---> DISTANCE TO RIGHT FOUL LINE

1 2 3 4 5 6 7 8 9 10 11 12
06 002 0682

APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

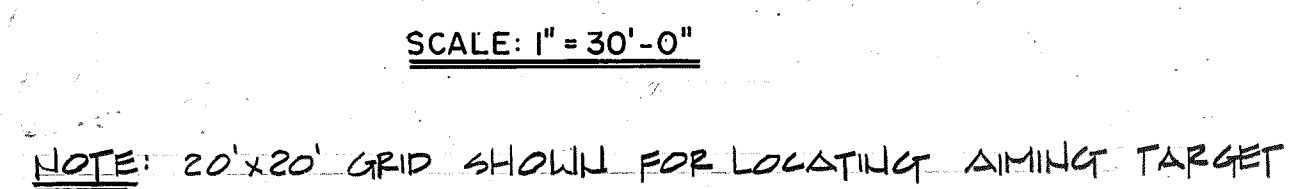
TITLE:
HEIGHTS C.C. & LOS ALTOS - SOFTBALL LIGHTING
AIMING DIAGRAM - HEIGHTS C.C.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING
NO. 00270

SHEET OF
6 7

REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
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		WO. NO.				INSPECTOR'S	DATE
						ACCEPTANCE BY	DATE
						VERIFICATION BY	DATE
						DRAWN BY	DATE
						CHECKED BY	DATE
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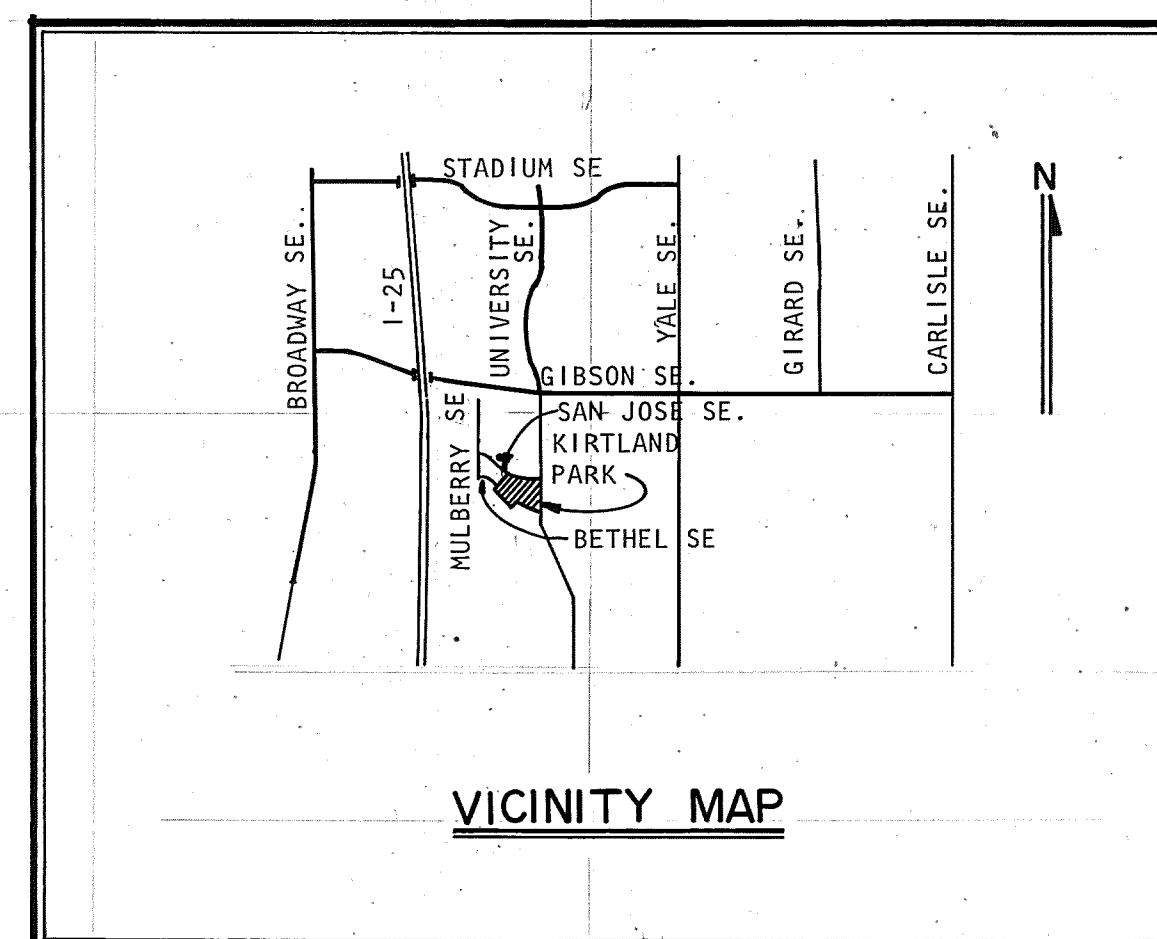
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		MAP NO.	FIELD NOTES						
		EST. NO.	W.O. NO.	NO.	BY	DATE			
NO.	DATE						WORK STAKED BY	DATE	
							INSPECTORS NAME	DATE	
							FIELD RANGE BY	DATE	
							VERIFICATION BY	DATE	
							CORRECTED BY	DATE	
MICRO-FILM INFORMATION									
DESIGNED BY		DATE					RECORDED BY	DATE	
DRAWN BY		DATE					NO.		
CHECKED BY		DATE							

CITY OF ALBUQUERQUE

PARKS AND RECREATION DEPARTMENT

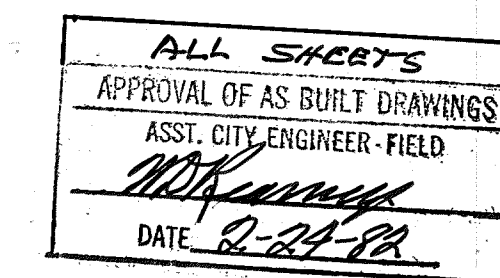
KIRTLAND PARK MULTIPURPOSE COURT LIGHTING



INDEX OF DRAWINGS

DRAWING	NUMBER	PROJECT SHT.
TITLE SHEET, VICINITY MAP, INDEX OF DRAWINGS	00182	1 OF 4
ELECTRICAL PLAN	00183	2 OF 4
ELECTRICAL DETAILS	00184	3 OF 4
ELECTRICAL DETAILS	00185	4 OF 4

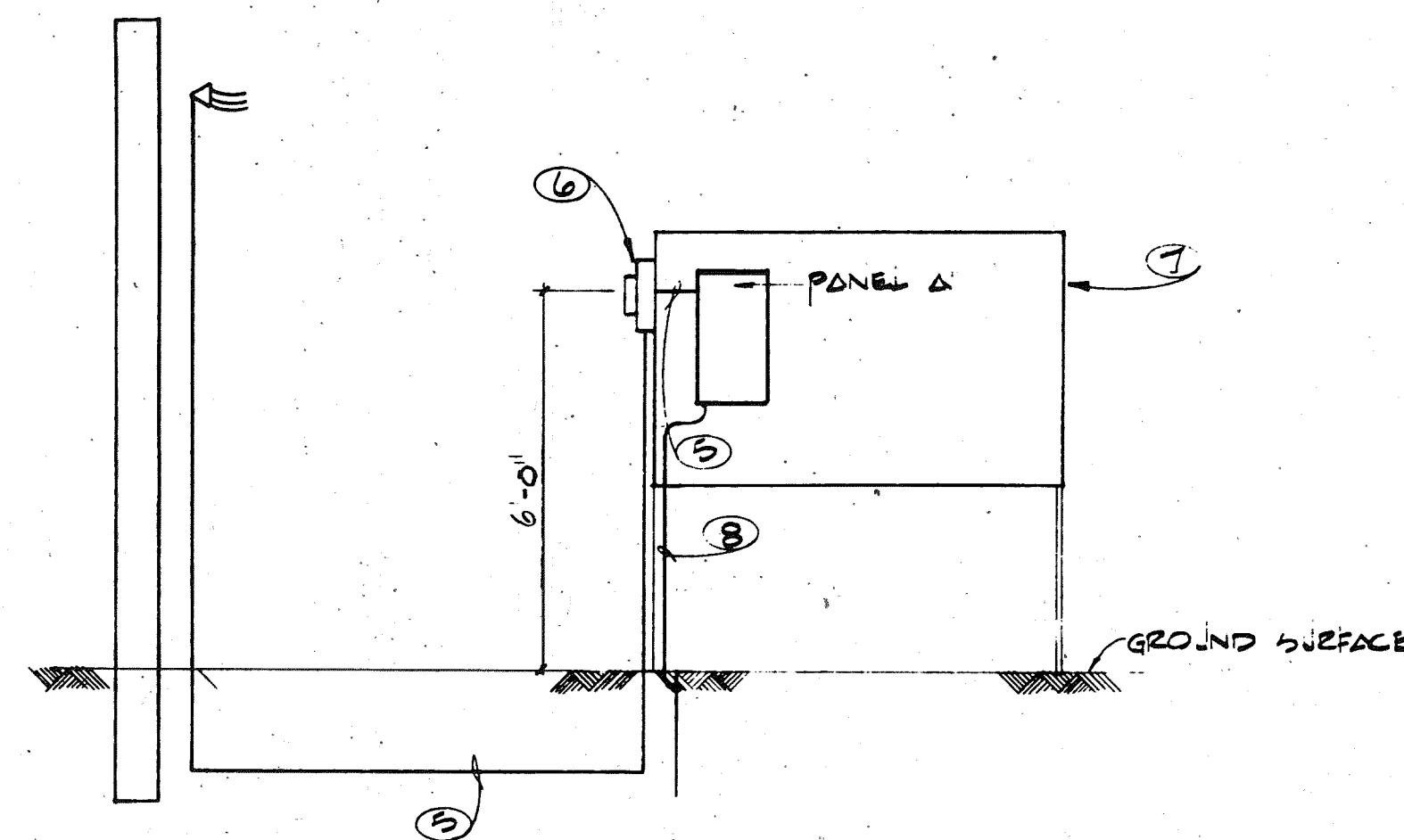
SUN TEQ ENGINEERING INC.
 503 SAN MATEO BLVD. N.E.
 ALBUQUERQUE, N.M. 87108
 505-266-6425



1	2	3	4	5	6	7	8	9	10	11	12
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SUN TEQ ENGINEERING		KIRTLAND PARK MULTIPURPOSE COURT LIGHTING			
Drawn	Approved	For CITY OF ALBUQUERQUE			
SHEET 1 OF 4	Scale	Proj. No.	00182	Rev.	

				REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				MAP NO. M-15		FIELD NOTES				CONTRACTOR GUIDANCE ELECTRIC	
				EST. NO.		W.O. NO.				WORK ORDER NO.	
								NO.		DATE	
										BY	
										REMARKS	
										NO. DATE	
REVISIONS DESIGN											
DESIGNED BY		SUN TEQ ENGINEERING		DATE		11/14/80					
DRAWN BY		SUN TEQ ENGINEERING		DATE		11/14/80					
CHECKED BY		SUN TEQ ENGINEERING		DATE		11/14/80					
FIELD INFORMATION FIELD NO. _____ DATE _____ VERIFICATION BY _____ DATE _____ CORRECTED BY _____ DATE _____ MICRO-FILM INFORMATION											
RECORDED BY				DATE							
NO.											



RECEPTION AREA

FRONT VIEW

KEYED NOTES

- ① PUSH BUTTON SWITCH IN SINGLE STATION ENCLOSURE SQUARE "D" MOMENTARY KR 3BW/KA-2 SPST NO.
- ② LIGHTING CONTROL CENTER TORK T90IL WITH RESERVE POWER SPRING.
- ③ PHOTO CONTROL ON ROOF. POINT NORTH. (PART OF LIGHTING CONTROL CENTER.)
- ④ CONTROL CIRCUIT TO ELECTRICAL EQUIPMENT ENCLOSURE. 5C #12 IN 3/4" GRS CONDUIT.
- ⑤ 3C #3THW IN 1 1/2" GRS CONDUIT INSTALL RISER AND WEATHER HEAD ON EXISTING POWER POLE PER PNM REQUIREMENTS DS-4-10.0.
- ⑥ 200A METER SOCKET PER PNM REQUIREMENT DS-19-11.1.
- ⑦ ELECTRICAL EQUIPMENT ENCLOSURE.
- ⑧ -8 BARE COPPER GROUND TO 8' x 5/8" DRIVEN GROUND ROD. DRIVE TOP OF ROD TO 1'-0" BELOW GROUND LEVEL. PROTECT GROUND CONDUCTOR WITH 1/2" GRS CONDUIT TO 1'-0" BELOW GROUND SURFACE.

TOTAL INITIAL CONNECTED LOAD - 5.3 KVA
MINIMUM FEEDER - $\frac{1.25 \times 5.300}{240} = 28 \text{ AMP}$
MAXIMUM SHORT CIRCUIT CURRENT - 3300 AMPS

1	2	3	4	5	6	7	8	9	10	11	12
0	6			0	0	3		0	3	8	3



CITY ENGINEER DATE

CITY OF ALBUQUERQUE	
MUNICIPAL DEVELOPMENT DEPARTMENT	
ENGINEERING DIVISION	
TITLE: KIRTLAND PARK MULTIPURPOSE COURT	
ELECTRICAL DETAILS	

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. -Hydrology			Water		

DRAWING NO. 00184

SHEET 3 OF 4

		REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
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									ACCEPTANCE BY DATE
									FIELD LOCATION BY SURVEY DATE (11/14/80)
									DRAWINGS BY DATE (11/14/80)
									CONTRACTOR FIELD REVISIONS DATE (11/14/80)
				REVISIONS		MICRO-FILM INFORMATION			
				DESIGN					
DESIGNED BY	SUN TEC ENGINEERING	DATE	11/14/80					RECORDED BY DATE	
DRAWN BY	SUN TEC ENGINEERING	DATE	11/14/80					NO.	



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: KIRTLAND PARK MULTIPURPOSE COURT ELECTRICAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO. 00185			SHEET 4 OF 4		