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REVISIONS

PROJECT

**DERBY WELCOME CENTER**  
 PROJECT #10691-1(8)

NEW FACILITY

DERBY VERMONT

DATE: 01/07/02  
 SCALE: AS SHOWN  
 CHECKED:  
 PROJECT NO: 2003

**SITE LIGHTING PLAN AND DETAILS**

**ES1**

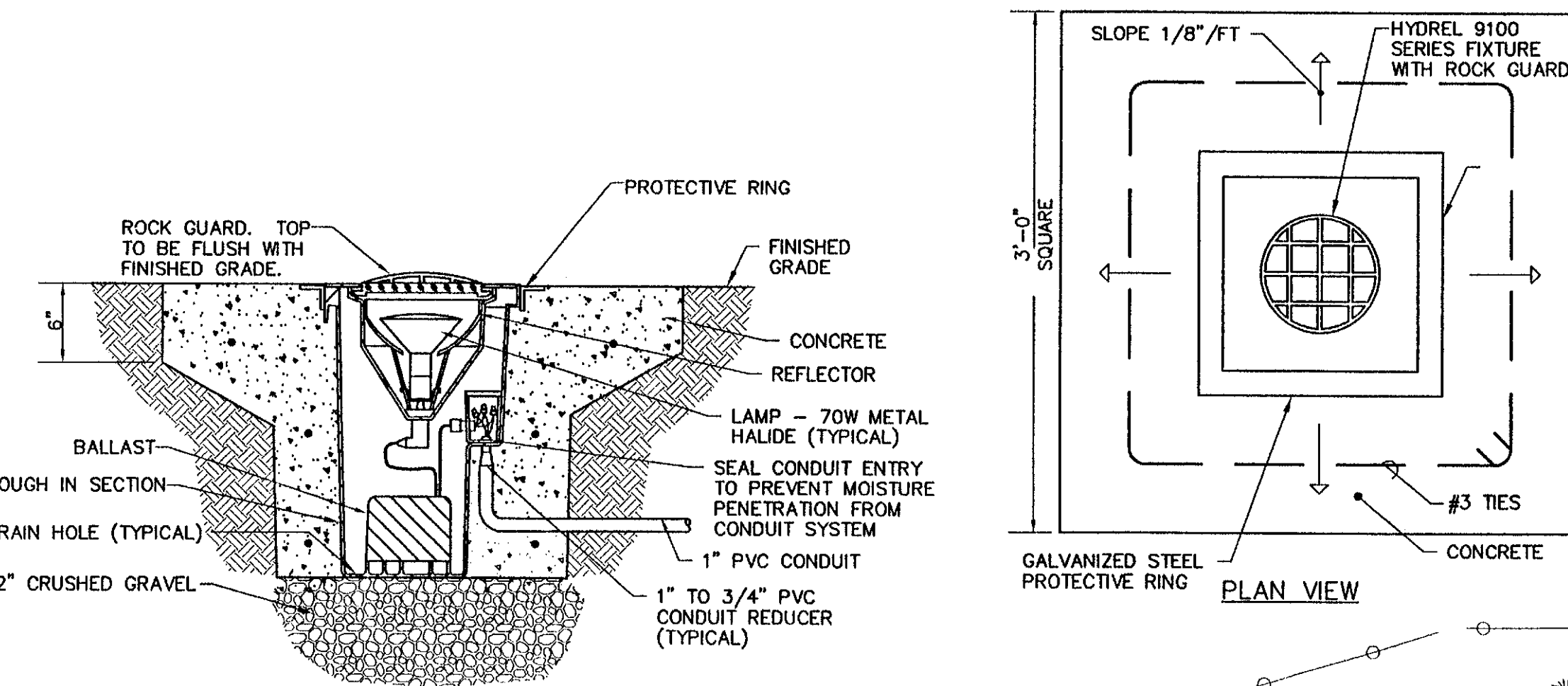
**SITE LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER	CATALOG NUMBER	TYPE	COLOR	MOUNTING	VOLTAGE	LAMPS	REMARKS	TOTAL
A	LUMEC	HBS-250 MH-MCF-120-CWA-RDA-1A-GLS	MH	GRAY	POLE @ 30FT	240	(1) 250W MH ED-128	PULSE START	300
B	AAL	UCM-SR-STR-OAL-100MH-(BY ARCH)-SLA-17	MH	BY ARCH	POLE @ 16FT	240	(1) 100W MH ED-17	PULSE START W/ OPAL ACRYLIC LENS	120
C	HYDREL	9100-A-70M-120-SP-34NPT-ISS	MH	STEEL	IN-GROUND	120	(1) 70W MH T-6	LOCATE 2.5' ON CENTER FROM POLE CENTER	94
POLE	AAL	PR4-4R16-125 (WITH B FIXTURE)	-	BY ARCH	ON BASE	-	NONE	16FT POLE	-

NOTE: CONTRACTOR SHALL COORDINATE ALL FIXTURES WITH LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS, TYPICAL.

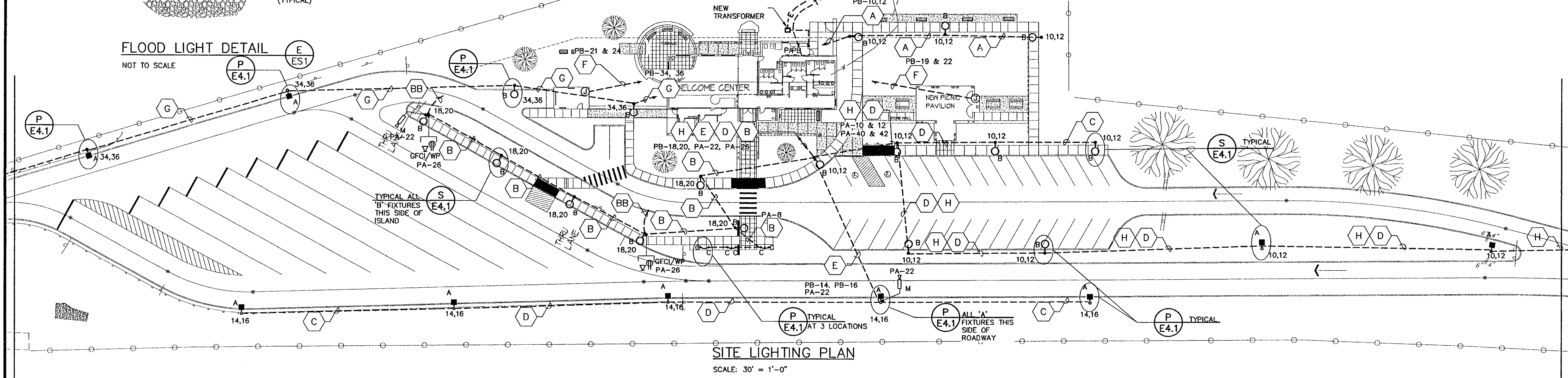
**DESCRIPTION OF COMPONENTS:**

LUMINAIRE: HYDREL 9100 SERIES WITH ACCESSORIES  
 LAMP: SYLVANIA METALARC PROTECH MP70PAR38/U/SP20  
 IGC: INGROUND UPLIGHT FOR INSTALLATION IN CONCRETE. LOCATE 2'-5" AWAY FROM POLE.  
 FS: INTEGRATED FUSE  
 PG: PROTECTIVE CAST BRONZE GUARD  
 DWC: TWO WIRE CONNECTORS



**FLOOD LIGHT DETAIL**

NOT TO SCALE

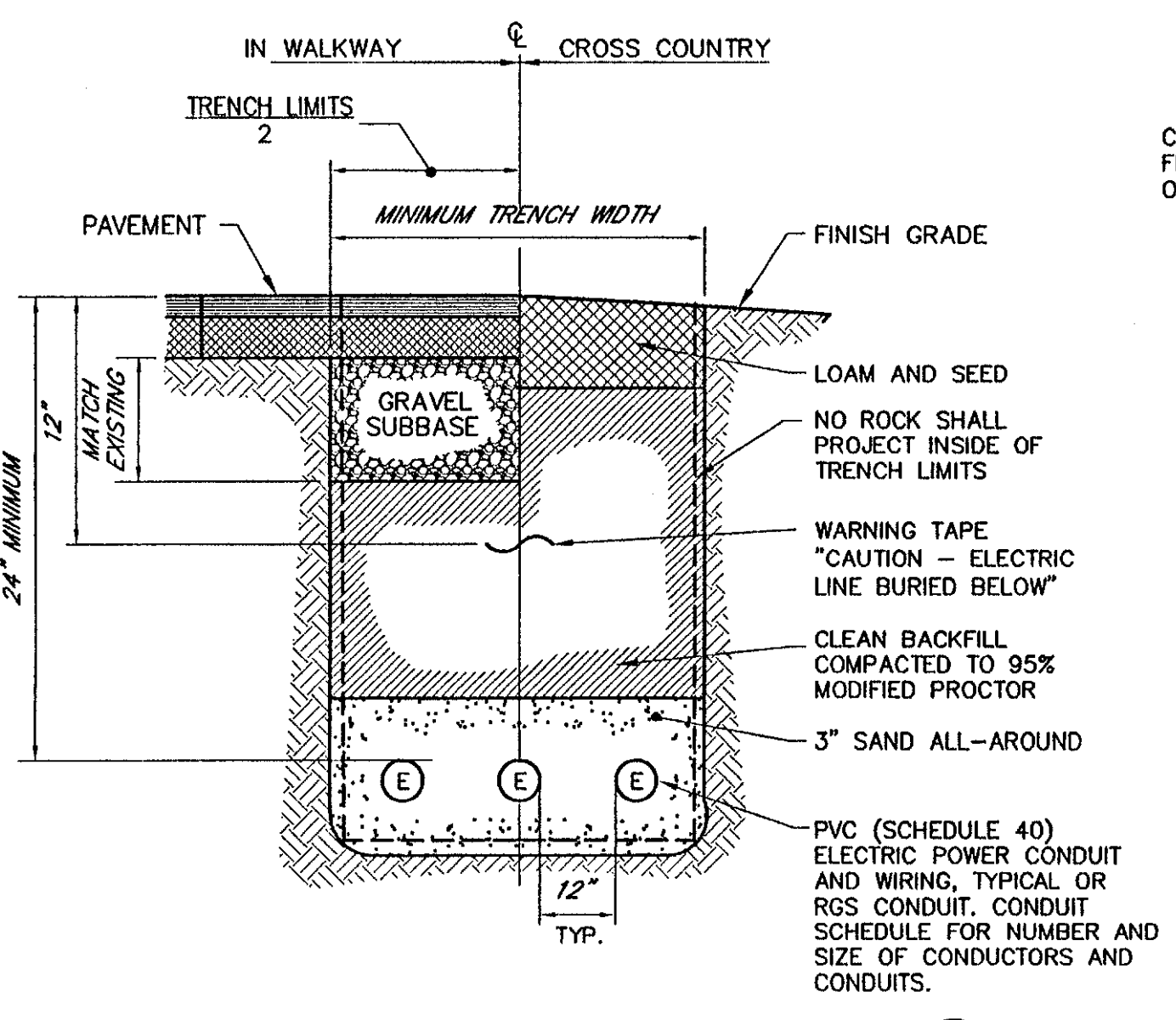


**SITE LIGHTING PLAN**

SCALE: 30' = 1'-0"

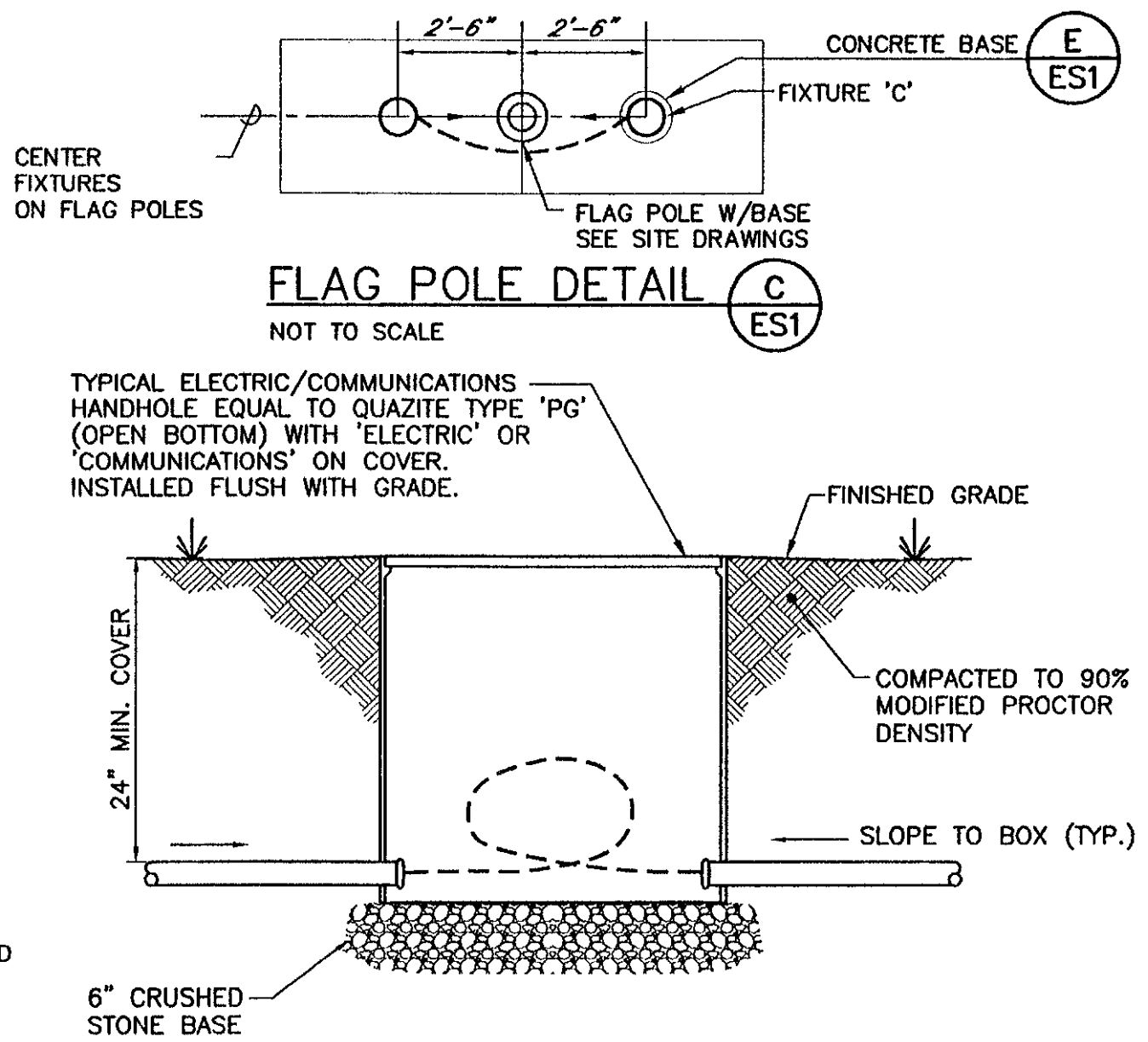
1-91 Southbound

1-91 Southbound



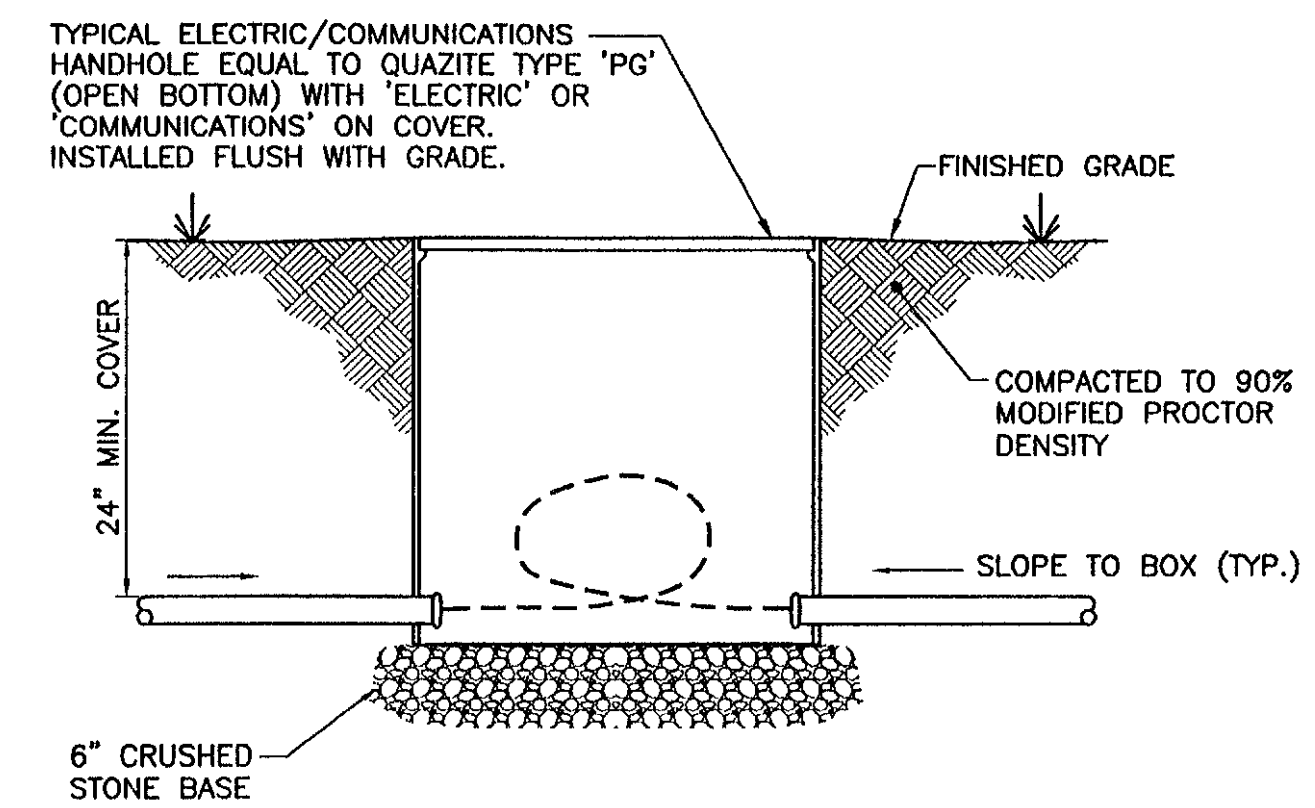
**TYPICAL TRENCH SECTION**

NOT TO SCALE



**FLAG POLE DETAIL**

NOT TO SCALE

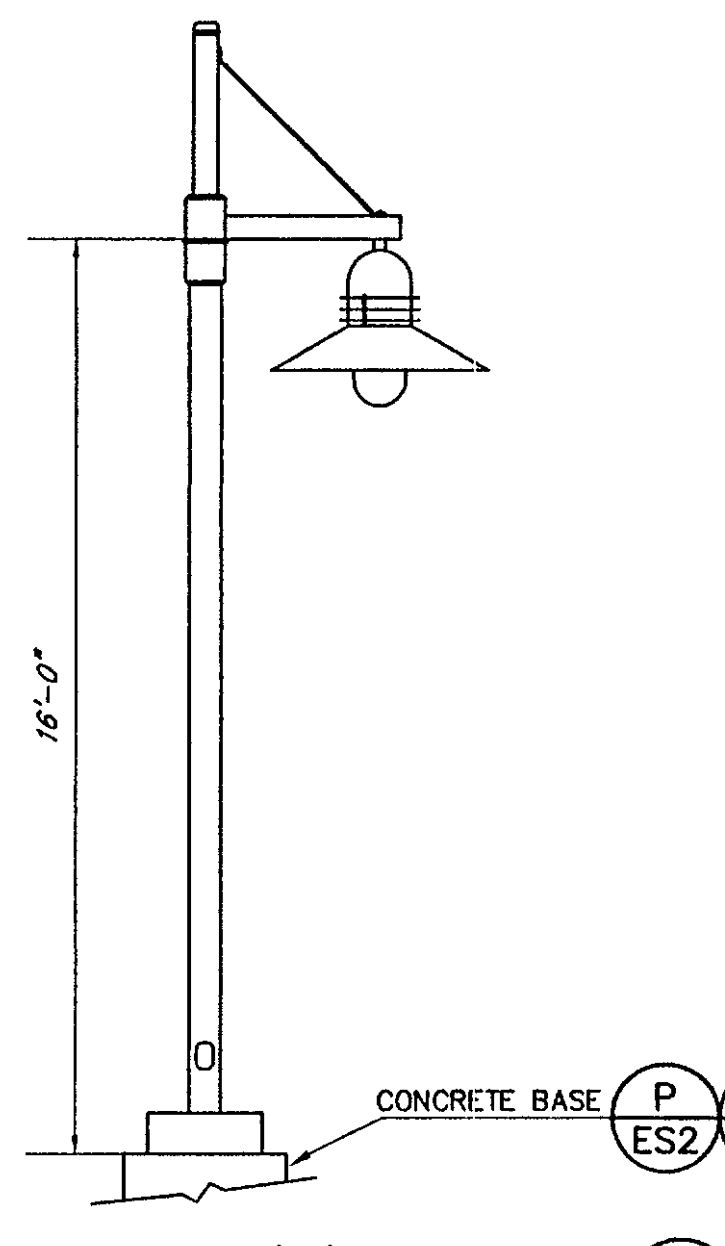


**TYPICAL SECTION AT HANDHOLE**

NOT TO SCALE

**HANDHOLE NOTE:**

1. ELECTRIC AND COMMUNICATION HANDHOLE SIZE SHALL BE 17"x30"x36" DEEP, TYPICAL.



**TYPICAL TYPE 'B' FIXTURE**

NOT TO SCALE

**CONDUIT & CONDUCTOR SCHEDULE**

KEY	CONDUIT SIZE	CONDUCTORS						
		FOR FIXTURES	FOR RECEPTALS	FOR GROUND	CONDUIT SIZE	FOR CAMERAS	CONDUIT SIZE	FOR TELEPHONE
A	1"	2#10		1#10				
B	1"	2#8	2#8	1#8	1"	2#8		
BB							1"	PHONE CABLE
C	2"	2#6		1#6				
D	2"	4#6		1#6				
E	2"	4#6		1#6	1"	2#6		
F	1"	2#10	2#10	1#10				
G	2"	6#2		1#2				
H	(2)2" & (1)2" SPARE	4#2		1#2				(NOTE NO. 6)
J	2"	2#2		1#2				

**GENERAL NOTES:**

1. MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT
2. LIGHTS SHALL BE FUSED AT BASE WITH Y-TYPE FUSE KIT (EQUAL TO HOMAC [FLOOD SEAL] FYC-6 AND 10 AMP FUSE TAGS INDICATING CIRCUIT NUMBER AND PANEL SOURCES AT EVERY POLE BASE AND HANDHOLE.
3. CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT NUMBER AND PANEL SOURCES AT EVERY POLE BASE AND HANDHOLE.
4. UTILIZE APPROVED DUAL-RATES PARALLEL TAP CONNECTOR EQUAL TO ILSCO GTA-2-2 WITH INSULATED COVER FOR TAPS AT POLE BASE, TYPICAL FOR LIGHTING AND BASE RECEPTACLE CONDUCTORS.
5. CABLE FOR THE CAMERAS SHALL BE SHIELDED CABLE.
6. PROVIDE 1-2" SPARE CONDUIT FROM HANDHOLE #1/#2 TO ELECTRICAL ROOM. INSTALL (3) PULL BOXES AT BASE OF POLES IN 3 LOCATIONS AT +/- 120FT. O.C.