

BUS		125A		PANEL No. <u>LP</u>										LOCATION		ROUTE 2 & PARK	
PANEL RATING		22 KAIC												MOUNTING		PEDESTAL	
SUPPLY VOLTAGE		120/208V												DRAWING No.			
SERVICE		1 PHASE, 3 WIRE															

WIRING	DESCRIPTION	VA OR W		BREAKER	POLE	A	NO	BUS	CKT.	CONN	NO	BREAKER	POLE	A	VA OR W		DESCRIPTION	WIRING	
		#A	#B												#A	#B		COND	WIRE
SEE ONE-LINE	STREET LIGHTS	720		1	30	1	x	2	1	30	240						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	STREET LIGHTS	720		1	30	3	x	4	1	30	240						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	STREET LIGHTS	240		1	30	5	x	6	1	30	600						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	STREET LIGHTS	360		1	30	7	x	8	1	30	720						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	STREET LIGHTS	360		1	30	9	x	10	1	30							SPARE		
SEE ONE-LINE	STREET LIGHTS	480		1	30	11	x	12	1	30							SPARE		
SEE ONE-LINE	STREET LIGHTS	360		1	30	13	x	14	1	30							SPARE		
SEE ONE-LINE	STREET LIGHTS	240		1	30	15	x	16	1	30							SPARE		
	SPARE			1	20	17	x	18	1	20							SPARE		
	TOTAL 1	1680	1800								TOTAL 2	840	960						
	TOTAL 2	840	960																
	TOTAL 1 + 2	2520	2760																
	CONN. LOAD TOTAL	5280																	
	AMPERES	22																	

MAIN BREAKER	100A	MAIN LUGS	N/A
FEEDER ENTRANCE	BOTTOM	ENCLOSURE TYPE	NEMA 3R
FEEDER SIZE	SEE ONE LINE	ACCESSORIES	
SOURCE	TRANSFORMER		
PANEL TYPE	BOLT-ON		

BUS		225A		PANEL No. <u>GRN</u>										LOCATION		ROUTE 2 & PARK	
PANEL RATING		22 KAIC												MOUNTING		PEDESTAL	
SUPPLY VOLTAGE		120/208V												DRAWING No.			
SERVICE		1 PHASE, 3 WIRE															

WIRING	DESCRIPTION	VA OR W		BREAKER	POLE	A	NO	BUS	CKT.	CONN	NO	BREAKER	POLE	A	VA OR W		DESCRIPTION	WIRING	
		#A	#B												#A	#B		COND	WIRE
SEE ONE-LINE	STREET LIGHTS	480		1	30	1	x	2	1	30	600						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	STREET LIGHTS	480		1	30	3	x	4	1	30	600						STREET LIGHTS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	5	x	6	1	20	900						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	7	x	8	1	20	600						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	9	x	10	1	20	600						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	11	x	12	1	20	900						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	13	x	14	1	20	360						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	15	x	16	1	20	360						HOLIDAY RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	17	x	18	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	19	x	20	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	21	x	22	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	23	x	24	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	25	x	26	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	27	x	28	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
SEE ONE-LINE	VENDOR RECPS	1600		1	20	29	x	30	1	20	1600						VENDOR RECPS	SEE	ONE-LINE
	SPARE			1	20	31	x	32	1	20							SPARE		
	SPARE			1	20	33	x	34	1	20							SPARE		
	SPARE			1	20	35	x	36	1	20							SPARE		
	SPARE			1	20	37	x	38	1	20							SPARE		
	SPARE			1	20	39	x	40	1	20							SPARE		
	SPARE			1	20	41	x	42	1	20							SPARE		
	TOTAL 1	11680	10080								TOTAL 2	8860	7260						
	TOTAL 2	8860	7260																
	TOTAL 1 + 2	20540	17340																
	CONN. LOAD TOTAL	37880																	
	AMPERES	158																	
	DEMAND AMPS	112																	

MAIN BREAKER	150A	MAIN LUGS	N/A
FEEDER ENTRANCE	BOTTOM	ENCLOSURE TYPE	NEMA 3R
FEEDER SIZE	SEE ONE LINE	ACCESSORIES	PHOTO CELL
SOURCE	TRANSFORMER		TIME CLOCK
PANEL TYPE	BOLT-ON		CONTACTOR

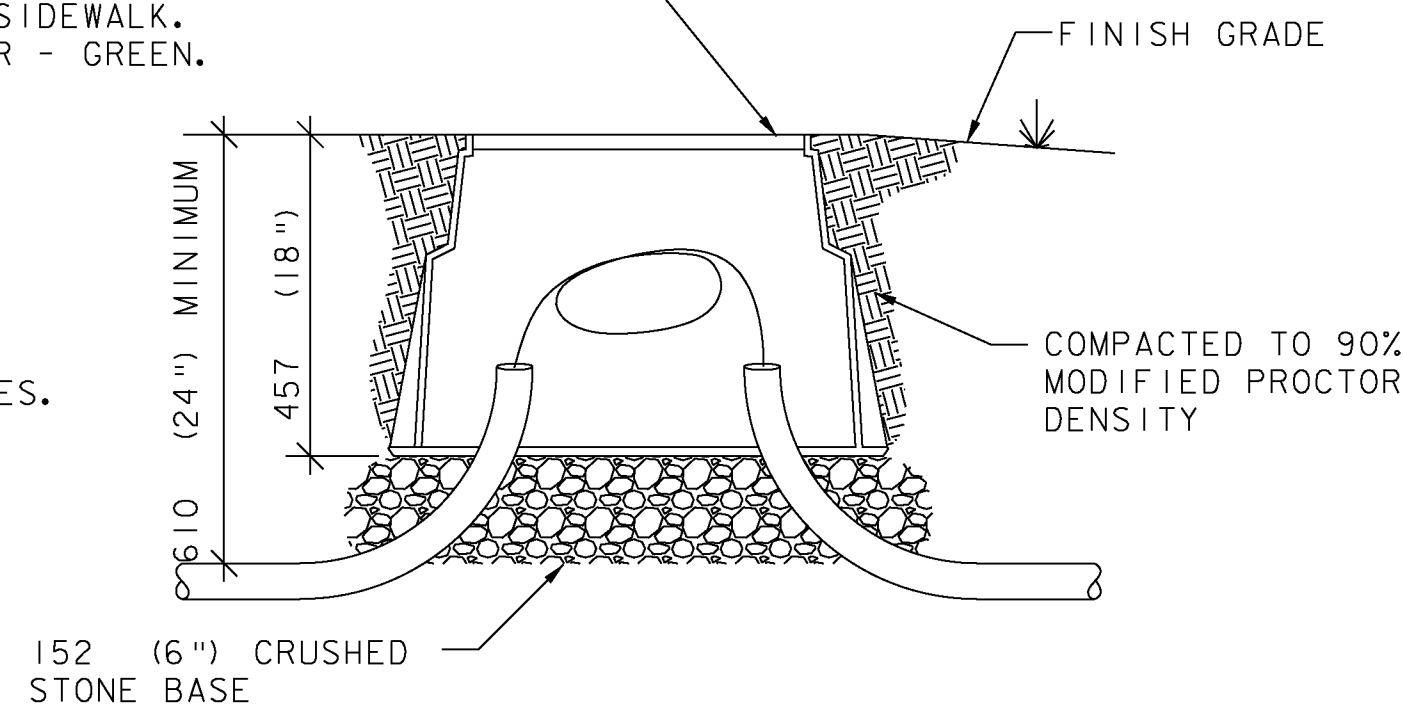
KEY	CONDUIT SIZE	CONDUCTORS		
		FOR FIXTURES	FOR RECEPTACLES	FOR GROUND
A	53 (2")	2#6		1#6G
AR	53 (2")	2#6	2#10	1#6G
B	53 (2")	3#4		1#6G
BR	53 (2")	3#6	4#10	1#6G
BR2	53 (2")	6#6	8#10	1#6G
C	53 (2")	3#2		1#6G
D	53 (2")	6#2		1#6G
E	53 (2")	1100 kg PULLCORD		
F	103 (4")	6#2		1#6G
G	103 (4")	6#6		1#6G
H	103 (4")	3#2 & 3#6		1#6G
I	103 (4")	1100 KG PULLCORD		
J	103 (4")	3 #2		1#6G
K	103 (4")	3 # 4/0		1#4G
L	78 (3")	3#6	11#10	1#6G
M	78 (3")		12#6, 8#8, 6#10	1#6G
N	78 (3")		12#6, 16#8, 16#10	1#6G

KEY	CONDUIT SIZE	CONDUCTORS	
		FOR RECEPTACLES	FOR GROUND
R	50 (2")	2#10	1#10G
R2	50 (2")	4#10	1#10G
VR1	-	2#6	1#6G
VR2	-	4#6	1#6G
VR3	-	6#6	1#6G
VR4	-	8#6	1#6G
VR5	-	10#6	1#6G
VR6	-	12#6	1#6G
VR7	-	12#6, 2#8	1#6G
VR8	-	12#6, 4#8	1#6G
VR9	53 (2")	12#6, 4#8, 2#10	1#6G
VR10	53 (2")	12#6, 4#8, 4#10	1#6G
V1	-	2#8	1#6G
V2	-	4#8	1#6G
V3	-	4#8, 2#10	1#6G
V4	-	4#8, 4#10	1#6G
V5	-	4#8, 6#10	1#6G
V6	-	4#8, 8#10	1#6G

GENERAL NOTES:

- MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT.
- LIGHTS SHALL BE FUSED AT BASE WITH Y-TYPE FUSE KIT (EQUAL TO HOMAC (FLOOD SEAL)) FYC-6 AND 10 AMP FUSE.
- CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT NUMBER AND SOURCE AT EVERY POLE BASE, JUNCTION BOX, HANDHOLE AND TRANSFORMER.
- ALL TAP CONNECTIONS SHALL UTILIZE APPROVED DUAL-RATED PARALLEL TAP CONNECTOR EQUAL TO ILSCO GTA SERIES WITH INSULATED COVER FOR TAPS AT POLE BASE.
- ALL CONNECTIONS IN HANDHOLE SHALL BE MADE WITH INSULATED WATERPROOF MECHANICAL SCREW-TYPE CONNECTORS. NO BARE OR COMPRESSION TYPE CONNECTORS MAY BE USED.
- V SERIES WIRING SHALL BE LOCATED IN ASSOCIATED FIXTURE CONDUIT TYPE BR CONDUIT, UNLESS CONDUIT SIZE IS INDICATED IN SCHEDULE.

TYPICAL ELECTRIC HANDHOLE EQUAL TO CDR SYSTEMS CORP. 432 x 762 (17" x 30") SERIES, OPEN BOTTOM. FLUSH MOUNT BOLTED COVER, WITH COVER LOGO TO READ 'ELECTRIC'. INSTALL FLUSH WITH GRADE OR SIDEWALK. CAT. NUMBER PA-14-WL-D, COLOR - GREEN.



TYPICAL SECTION AT HANDHOLE
NOT TO SCALE

HANDHOLE NOTES:

- HH -12 AND HH-G2 SHALL BE EQUAL TO 24"x 36" / 610 x 914 SERIES.
- ALL OTHER HANDHOLES, UNLESS NOTED, SHALL BE 17"x 30" / 432 x 762 SERIES.
- HANDHOLES ARE PAID AS ITEM 678.26

**REPLACEMENT SHEETS
ISSUED 02/24/2012**

PROJECT NAME: DANVILLE
PROJECT NUMBER: F EGC 028-3(32)

FILE NAME: ...\\PlotFiles\\lighting-det03.ptf PLOT DATE: 2/24/2012
DESIGN SUPERVISOR: GARY SANTY DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
LIGHTING DETAILS SHEET LTD-4 SHEET 191 OF 306

