

CONTROLLER

METER

TO TRANSFORMER
-INSTALL PER
MIDAMERICAN ENERGY COMPANY REQUIREMENTS CONTROL PANEL

-LIGHTING

-(2) TO LIGHTING

-GROUND ROD

GRADE

CONTROLLER

MIDAMERICAN ENERGY

COMPANY XFMR

MIDAMERICAN ENERGY

COIL 30' OF CABLE FOR CONNECTION

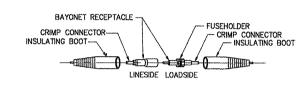
- 3-3AWG, 1 1/2" CONDUIT INSTALL PER

MIDAMERICAN

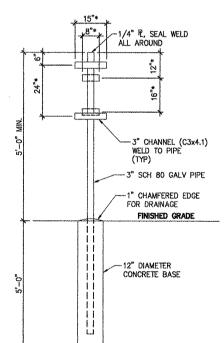
BY MIDAMERICAN ENERGY COMPANY

3-10AWG_OUT IN CND TO NEXT PULLBOX OR 3-10AWG, OUT IN CND TO NEXT 3-10AWG, IN CND LIGHT FIXTURE -SEE CONNECTION FROM PULLBOX

- PROVIDE SUFFICIENT CONDUCTOR SLACK TO PERMIT WITHDRAWAL OF THE CONDUCTOR THROUGH THE HANDHOLE.
- 2. CONNECTIONS AS SHOWN ON DRAWINGS
- (3) PULLBOX WIRING SCHEMATIC



(4) BAYONET FUSE CONNECTOR DETAIL



ELECTRICAL NOTES

16" DIAMETER SIZE BASE SUCH THAT THE CONCRETE EXCEEDS POLE BASE DIMENSION

BAYONET FUSE

INSULATING LINK (LOWER HANDHOLE)

CONNECTOR SEE DETAIL 4

BY A MINIMUM OF 2" ON ALL SIDES

1) LIGHT POLE BASE DETAIL

1. ELECTRICAL WORK SHALL BE INSTALLED PER NATIONAL ELECTRICAL CODE.

FIXTURE

- 2. EACH CONDUIT SHALL INCLUDE A GROUND UNLESS NOTED OTHERWISE.
- 3. CONDUITS SHALL BE 1 1/2" PVC UNLESS NOTED OTHERWISE.

PROVIDE SUFFICIENT CONDUCTOR SLACK TO PERMIT WITHDRAWAL OF THE CONDUCTOR THROUGH THE HANDHOLE

2. CONNECTIONS AS SHOWN ON DRAWINGS

(2) CONNECTION DETAIL
NOT TO SCALE

4. WIRE TYPE - USE. (10AWG UNLESS NOTED OTHERWISE)

STREET SIDE

(LOWER)-

- 5. COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, CONDUIT AND WRING WITH MIDAMERICAN ENERGY COMPANY, EXISTING SITE CONDITIONS AND CITY OF MOLINE.
- 6. ELECTRICAL DRAWINGS NOT-TO-SCALE. SEE CIVIL DRAWINGS FOR POLE AND EQUIPMENT LOCATIONS, COORDINATE WITH CITY OF MOLINE.
- ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ELECTRICAL STANDARDS MANUAL AND THE STREET LIGHTING PLANS. THIS WORK WILL BE MEASURED AS A LUMP SUM ITEM AND PAYMENT WILL BE MADE FOR "ELECTRICAL SYSTEM COMPLETE"



Date 7/72//2

Exp. Date 12/10/13

SHIVEHATTERY ARCHITECTURE + ENGINFERING 1701 River Drive, Suite 200 | Moline, Illinois 61265 309.764.7650 | fax: 319.362.2883 | shive-hattery.com

Iowa I Illinois I Missouri Illinois Firm Number: 184-000214

-SURGE PROTECTOR PER SPECIFICATIONS

-BACK SIDE HAND HOLE WITH FLUSH COVER (UPPER)

PROVIDE INLINE FUSES 20A WITH BREAKAWAY FEATURE

- STUB CONDUIT UP 6"

- VERTICAL CORNERS WITH 1" CHAMFERS

-3000 PSI CONCRETE BASE (SQUARE OR ROUND) COMPACTED IN SMOOTH FORMS

MINIMUM OF 4 ANCHOR BOLTS - 30" MINIMUM LENGTH

-4 #6 VERTICAL BARS WITH #3 TIES AT 12" ON CENTER

ABOVE BASE -- BASE COVER

BASE PLATE

-FXOTHERMIC WELD

- 8AWG (BARE)

-GROUND ROD

-1 1/4" CONDUIT FROM PULLBOX

EXTEND TO FIRM UNDISTURBED SOIL

INCOMING FROM PULLBOX

-3-10AWG, IN 1 1/4" CND

FINISHED GRADE

COVER			
	PUL	LBOX SCH	HEDULE
BOY	STYLE	PLAN MARK	SIZE
BOX	TYPE 1		12 x 1
	NOTES:		harana ana ana ana ana ana ana ana ana an
		OGO PER EQUIF APPROVED BY E	
ETED PULL BOX AS:	SEMBL	Y DETAI	L.
E			

8 240V LIGHTING CONTROL DETAIL (TYPICAL FOR 3 PLACES) 120V, 208V, 240V, 277V 9 WARP9 LED 100A, 240V SINGLE PHASE SERVICE

	LIG	HING SUMMART OF QUANTITIES	
		"FOR REFERENCE ONLY"	
QUANTITY	TYPE	DESCRIPTION	
3		ELECTRIC SERVICE (240V, 100A, SINGLE PHASE) COMPLETE CONTROL PANEL A AND CONTROL PANEL B	
3	-	LIGHTING CONTROL AND METERING ON SUPPORT COMPLETE WIT- WIRING, CONDUIT, GROUND ROD, EXCAVATION AND FOUNDATION. CONTROL PANEL A AND CONTROL PANEL B	
32	TYPE A	LUMINAIRE (TYPE II LIGHT DISTRIBUTION) COMPLETE WITH WIRING, SURGE PROTECTION, FUSES AND SPLICES.	
32	ALUMINUM	16 FOOT LIGHT POLE	
32	-	LIGHT POLE FOUNDATION COMPLETE WITH EXCAVATION, CONDUIT TO PULLBOX, GROUND WIRE AND GROUND ROD.	
54	TYPE 1	PULLBOX	
4,100 FT.		310 AWG WIRING	
120 FT.	-	5-10 AWG WIRING	
200 FT.	-	3-3 AWG WIRING	
275 FT.	1 1/2"	CONDUIT (PUSHED)	
1,920 FT.	1 1/2"	CONDUIT (TRENCHED)	

LICHTING SHAMARY OF CHANTITIES

(7) 240V, 3 WIRE 100A SERVICE DETA(ITYPICAL FOR 3 PLACES)

ITEM HIGHT FIXTURE TYPE A ①

PULLBOX TYPE 1

23

GRADE

140 WATT LED STREET LIGHT AND 16' ROUND ALUMINUM POLE WITH HANDHOLE AT 5' MIN. (BACK SIDE) AND HANDHOLE AT BASE (STREET SIDE). LIGHT DISTRIBUTION TYPE III.

PULLBOX W/COVER LOGO 'LIGHTING',

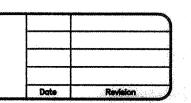
QUAZITE STRONGWELL: 12"x12" PC1212BA12 W/PC1212CA00 COVER OR APPROVED EQUIVALENT

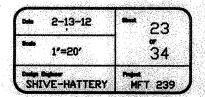
5 EQUIPMENT MOUNTING FRAME DETAIL (3 REQUIRED)

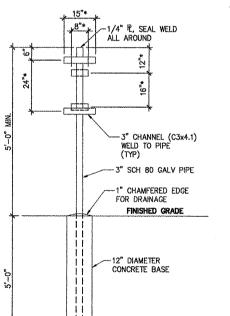


CITY OF MOLINE DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION 3635 4TH AVENUE, MOLINE, IL 61265 (309) 524-2350 CITY ENGINÈER - SCOTT HINTON, P.E.

RIVERTECH BOULEVARD ELECTRICAL LIGHTING DETAILS STA, 00+00 TO 37+65.06







EQUIPMENT SCHEDULE

DESCRIPTION PART # LAMP: KIM LIGHTING 1SA/WP9LE3/L5K240/SG/DF/TB/VSF-1SA POLE: WJM MFG, RA6000716-GY(KIM STEALTH GRAY)2-BC-VD

10. LO. DIMENSIONS WITH " * " ARE APPROXIMATE. COORDINATE WITH UTILITY COMPANY AND ELECTRICAL CONTRACTOR FOR EXACT DIMENSIONS PER EQUIPMENT REQUIREMENTS. 2. PRIME AND PAINT SURFACES OF PANEL AND FRAME. COLOR TO BE DARK GREEN.