



A SITE ELECTRICAL PLAN

1"=10'-0"

NEMA-3R ENCLOSURE		EXISTING PANEL <u>M</u>		S.C. RATING 10,000 AIC.					
SIEMENS		SURFACE MOUNTED							
TYPE	P1	120/240 V 1_0_3_W,SN	125 AMP. MAIN L.O.						
CKT No.	DESCRIPTION	KVA	AMP	Ø A	Ø B	AMP	KVA	DESCRIPTION	CKT No.
1	STREET LIGHTS	.9	20	Ø	Ø	20	.2	PHOTOCELL TIME SWITCH AND LIGHT POLE MTD. RECEPT.	2
3	↑			Ø	Ø	20	.2	LIGHT POLE MTD. RECEPT.	4
5	LIGHT POLE MTD. RECEPT.	.2	20	Ø	Ø	20	.2	LIGHT POLE MTD. RECEPT.	6
7	LIGHT POLE MTD. RECEPT.	.2	20	Ø	Ø	20	.2	LIGHT POLE MTD. RECEPT.	8
9	LIGHT POLE MTD. RECEPT.	.2	20	Ø	Ø	20	.2	LIGHT POLE MTD. RECEPT.	10
11	LIGHT POLE MTD. RECEPT.	.2	20	Ø	Ø	20	-	SPARE	12
13	2ND STREET RECEPTACLES POLE 1, 2, 7, 10 & 13	.9	20	Ø	Ø	15	-	SPARE	14
15	2ND STREET RECEPTACLES POLE 3, 4, 8, 11 & 14	.9	20	Ø	Ø	20	-	SPARE	16
17	2ND STREET RECEPTACLES POLE 5, 6, 9 & 12	.7	20	Ø	Ø	20	.9	2ND STREET RECS. POLE 15-19	18
19	SPARE	-	20	Ø	Ø	20	.4	LIGHTED BOLLARDS, BENCHES & SIGN LT. AT 2ND/WASHINGTON	20
21	2ND STREET LIGHT POLES	2.1	20	Ø	Ø	-	-	SPACE ONLY	22
23	↑			Ø	Ø	-	-	SPACE ONLY	24
25	SPACE ONLY	-	-	Ø	Ø	-	-	SPACE ONLY	26
27	SPACE ONLY	-	-	Ø	Ø	-	-	SPACE ONLY	28
29	SPACE ONLY	-	-	Ø	Ø	-	-	SPACE ONLY	30

- PANEL SCHEDULE GENERAL NOTES:**
- LOADS AND CIRCUIT BREAKERS SHOWN WITH LIGHT LINE WEIGHT INDICATE EXISTING LOADS AND BREAKERS TO REMAIN. EXISTING INFORMATION BASED ON ORIGINAL DRAWINGS & FIELD OBSERVATIONS; CONTRACTOR TO VERIFY AND ADJUST TO ACCOMMODATE NEW INSTALLATIONS AS REQUIRED.
 - CONTRACTOR TO FURNISH AND INSTALL CIRCUIT BREAKER HANDLE TIES ON EXISTING SINGLE POLE BREAKERS THAT ARE USED TO FEED NEW, MULTI-WIRE, BRANCH CIRCUITS AS REQUIRED TO COMPLY WITH ARTICLE 210.4(B) OF THE NATIONAL ELECTRICAL CODE.
 - CONTRACTOR SHALL INSTALL A NEW, TYPEWRITTEN CIRCUIT DIRECTORY ON INSIDE DOOR OF PANEL AT COMPLETION OF PROJECT THAT PROPERLY IDENTIFIES ALL: EXISTING LOADS, NEW LOADS AND SPARE CIRCUIT BREAKERS.
- PANEL KEY NOTES:**
- CONNECT NEW LOAD TO EXISTING SPARE CIRCUIT BREAKER VIA LIGHTING CONTACTOR IN ADJACENT LIGHTING CONTROL ENCLOSURE. SEE LIGHTING CONTROL NOTES ON SHEET NUMBER 78 FOR LIGHTING CONTROL REQUIREMENTS.
 - CONNECT NEW LOAD TO NEW CIRCUIT BREAKER VIA LIGHTING CONTACTOR. FURNISH AND INSTALL NEW 20 AMP, 2-POLE CIRCUIT BREAKER IN EXISTING BREAKER SPACE. SEE LIGHTING CONTROL NOTES ON SHEET NUMBER 78 FOR LIGHTING CONTROL REQUIREMENTS.

LETTER DESIG.	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS		MOUNTING	FINISH TRIM	TOTAL VA	REMARKS
				NO.	TYPE				
A	PEMCO	CORO 2-DG-94W12C4K-240V-GLDIII-CC	240	-	L.E.D.'S W/UNIT	20' POLE	RAL9005-TEXTURED	110	SEE DETAIL 'E' ON SHEET 77.
B	HADCO	TB361-LED-BOLLARD-A-LO-12L-A-N	120	-	L.E.D.'S W/UNIT	SIDEWALK	BLACK	10	SEE DETAIL '9' ON SHEET 13.
C	KIM	LTV83EB-WW-5L-3K-UV-RCA83	120	-	L.E.D.'S W/UNIT	GRADE	CAST BRONZE	10	SEE DETAIL 'F' ON SHEET 79.

SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
A-○	POLE WITH (1) LIGHTING FIXTURE, (1) GFCI RECEPT. AND LETTER DESIGNATION. ①	SEE DETAIL 'E' ON SHEET 77.
Ⓟ	BOLLARD LIGHT W/LETTER DESIGNATION	SURFACE
□	PULL BOX ②	GROUND
—/—/—	CONDUIT RUN WITH (3) HOTS, (1) NEUTRAL AND (1) GROUND	EARTH
—/—/—	'HOME RUN' WITH (3) HOTS, (1) NEUTRAL AND (1) GROUND	EARTH
①	POLE NUMBER - SEE GEN. NOTE #5 THIS SHEET	
AFG	ABOVE FINISHED GRADE	
C.	CONDUIT	
GRD.	GROUND	

- GFCI RECEPTACLE TO BE BLACK, WEATHER RESISTANT, 20AMP, 125V. DUPLEX RECEPTACLE - HUBBELL CATALOG NUMBER: GFWRST20BK OR APPROVED EQUAL.
- PULL BOX TO BE GASKETED, 16"Wx22"Lx18"D WITH OPEN BOTTOM AND BOLTED COVER LABELED 'LIGHTING'. QUAZITE MODEL NUMBER: B13162218G/C10162202A029 OR APPROVED EQUAL. NO SPLICES ARE PERMITTED WITHIN BOX.

- GENERAL NOTES:**
- ALL RACEWAYS TO BE 1" TRADE SIZE MINIMUM.
 - ALL RACEWAYS TO BE SCHEDULE 40 PVC.
 - ALL CONDUCTORS TO BE COPPER, No.10 AWG MINIMUM WITH TYPE THWN INSULATION.
 - REPAIR OF ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR INCLUDING ALL MATERIALS, LABOR AND UTILITY COMPANY FEES. REPAIRS SHALL HAVE WRITTEN APPROVAL OF RESPECTIVE UTILITY COMPANY PRIOR TO BEING BACK-FILLED.
 - POLE NUMBER INDICATED ON ELECTRICAL PLANS SHALL BE PAINTED ON HAND-HOLE COVER OF EACH POLE. LETTERS AND NUMERALS SHALL BE WHITE IN COLOR, 1" TALL AND PAINTED USING STENCILS. DECALS ARE NOT PERMITTED.
 - CONTRACTOR SHALL PROVIDE ALL TRENCHING AND BORING REQUIRED FOR INSTALLATION OF UNDERGROUND ELECTRICAL RACEWAYS.
 - REFERENCE CIVIL DRAWINGS AND SPECIFICATIONS FOR TRENCHING AND BACKFILL REQUIREMENTS.
 - CONDUITS INSTALLED BELOW EXISTING PAVED AND HARDSCAPED AREAS THAT ARE NOT BEING DISTURBED AS PART OF THIS PROJECT SHALL BE BORED.

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CONSULTANTS:

2ND STREET IMPROVEMENTS
SANTA FE TO WASHINGTON IN OLD TOWN
WICHITA, KANSAS

WICHITA CITY OF

REVISIONS:

MARK

DATE

DESCRIPTION

PROJ NO: 472-85284
SCALE: 1" = 10'-0"
DATE: 07/13/2018
DESIGNED BY: ST
DRAWN BY: ST
CHECKED BY: TL

SHEET TITLE:

SITE ELECTRICAL PLAN

SHEET NO.

76

SHEET 76 OF 103