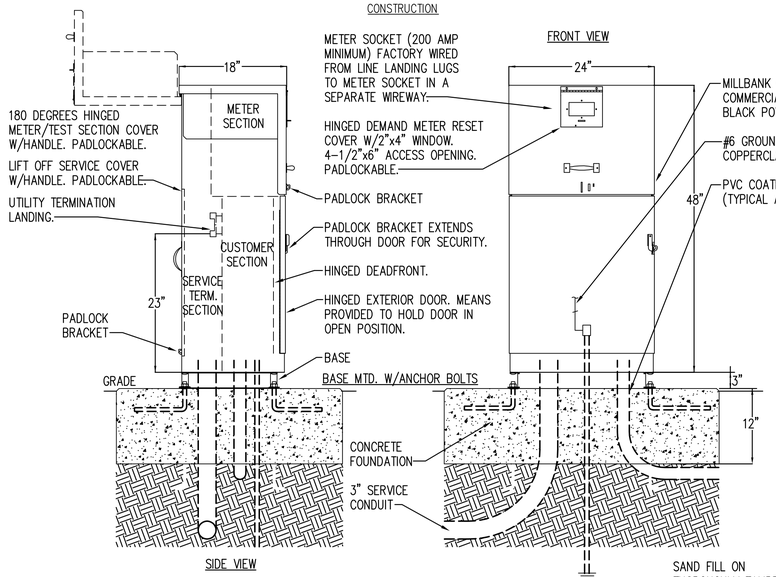
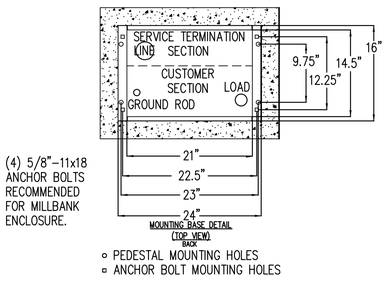
PEDESTAL NOTES

1. CONTROL CABINET SHALL BE U/L LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. CONSTRUCTION SHALL BE NEMA 3R.
3. PROVIDE 200A METER, SOCKET, PANELBOARD PER PANELBOARD SCHEDULE. PEDESTAL SHALL CONTAIN (3) 30A, 3P, 240V CONTACTORS WITH HAND-OFF-AUTO SELECTOR SWITCH TO CONTROL LOADS IN PANEL. PROVIDE PHOTO CELL RECEPTACLE. E.C. TO PROVIDE PHOTO CELL FOR DUSK TO DAWN OPERATION. EQUAL TO INTERMATIC #K4121. PROVIDE 7 DAY ASTRONOMIC TIME CLOCK FOR CONTROL OF CONTACTORS. SEE LIGHTING CONTROL DIAGRAM.
4. SERVICE EQUIPMENT ENCLOSURE AND METERING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE SERVING UTILITY. WHEN THE SERVING UTILITY PROVIDES BOTH METERED AND UNMETERED CIRCUITS, A SEPARATE BUS SHALL BE PROVIDED FOR EACH CIRCUIT. THE METER AREA SHALL HAVE A SEALABLE, LOCKABLE, RAINTIGHT COVER THAT CAN BE REMOVED WITHOUT THE USE OF TOOLS.
5. SERVICE EQUIPMENT SHALL BE FACTORY WIRED AND CONFORM TO NEMA STANDARDS.
6. THE EXTERIOR DOOR SHALL HAVE PROVISIONS FOR PADLOCKING. THE PADLOCK HOLE SHALL BE A MINIMUM DIAMETER OF 7/16".
7. ALL TERMINALS FOR INCOMING SERVICE CONDUCTORS SHALL BE COMPATIBLE WITH EITHER COPPER OR ALUMINUM CONDUCTORS SIZED TO SUIT THE CONDUCTORS SHOWN ON THE PLAN. TERMINAL LUGS SHALL BE COPPER OR TIN-PLATED ALUMINUM. SOLID NEUTRAL TERMINAL STRIP SHALL BE RATED 125A UNLESS OTHERWISE SPECIFIED AND FOR USE WITH COPPER OR ALUMINUM CONDUCTORS. THE TERMINAL SHOULD INCLUDE BUT NOT BE LIMITED TO:
   A) INCOMING TERMINALS (LANDING LUGS)
   B) NEUTRAL LUGS
   C) SOLID NEUTRAL TERMINAL STRIP.
   D) TERMINAL STRIPS FOR CONDUCTORS WITHIN THE ENCLOSURE.
8. PROVIDE PANELBOARD PER PANELBOARD SCHEDULES.
9. PLUG-IN CIRCUIT BREAKERS MAY BE MOUNTED IN THE VERTICAL OR HORIZONTAL POSITION. CABLE-IN/ CABLE-OUT CIRCUIT BREAKERS SHALL BE MOUNTED IN THE VERTICAL POSITION.
10. FASTENERS ON THE EXTERIOR OF THE ENCLOSURE SHALL BE VANDAL RESISTANT AND SHALL NOT BE REMOVABLE FROM THE EXTERIOR. ALL NUTS, BOLTS, SCREWS, WASHERS, AND HINGES SHALL BE STAINLESS STEEL.
11. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
12. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
13. FOUNDATION/PAD SHALL EXTEND 18" MINIMUM BEYOND EDGE OF ENCLOSURE.



PAD NOTES:

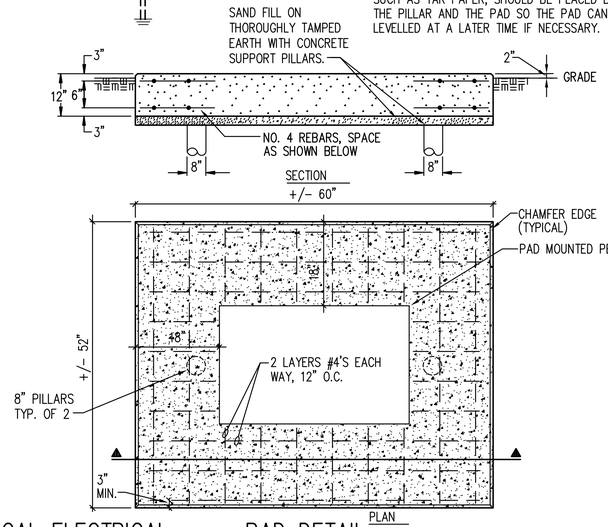
1. THE TOP OF THE PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. THE CORNERS AND EDGES SHALL BE CHAMFERED.
2. THE CONCRETE SHALL BE A MINIMUM OF 4,000 LB. MIX.
3. CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
4. TOP OF CONDUITS SHALL BE FLUSH WITH TOP OF PAD.
5. THE CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
6. CONCRETE FILLED PILLARS ARE FORMED BY AUGERING AN 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH (MIN. 36"). A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THE PAD CAN BE LEVELLED AT A LATER TIME IF NECESSARY.



(4) 5/8"-11x18 ANCHOR BOLTS RECOMMENDED FOR MILLBANK ENCLOSURE.

NOTE:
1. UTILITY METER SHALL BE LOCATED PER WESTAR REQUIREMENTS. VERIFY ALL SERVICE REQUIREMENTS WITH WESTAR.

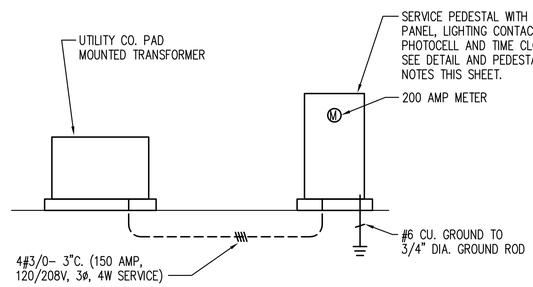
PAD BY CONTRACTOR, VERIFY ALL REQUIREMENTS WITH EQUIPMENT PROVIDED PRIOR TO PLACING CONCRETE PAD.



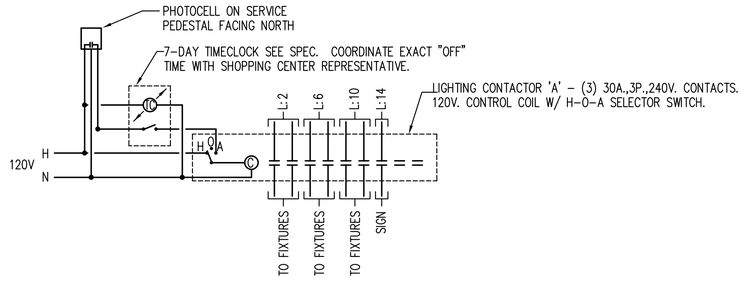
PEDESTAL DETAIL
NO SCALE

TYPICAL ELECTRICAL SERVICE PEDESTAL DETAIL
1 NO SCALE VOLTAGE: 120/208V, 3ø, 4 WIRE

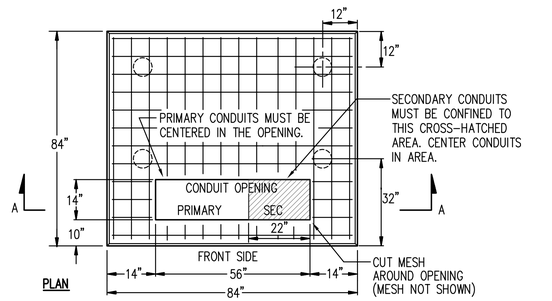
PAD DETAIL
NO SCALE



2 ELECTRICAL RISER DIAGRAM
NO SCALE



3 LIGHTING CONTROL WIRING DIAGRAMS
NO SCALE



NOTES:

1. VERIFY PAD LOCATION, DIMENSIONS & ALL REQUIREMENTS WITH LOCAL UTILITY CO.
2. THE TOP OF THE TRANSFORMER PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. THE CORNERS AND EDGES SHALL BE ROUNDED OR BEVELLED.
3. THE CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
4. CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
5. TOP OF CONDUITS SHALL BE FLUSH WITH TOP OF PAD.
6. THE CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
7. PILLARS ARE FORMED BY AUGERING AN 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THE PAD CAN BE LEVELLED AT A LATER TIME IF NECESSARY.

4 TRANSFORMER PAD DETAIL
NO SCALE

PANELBOARD: L — 208/120 VOLTS, 3 PHASE, 4 WIRE; 150 AMP MAIN BKR, SURFACE MTD.; 80000 AIC LABELED
S.E. SERVICE ENTRANCE LABELED W/GRD. BUS

	CIRC NO.	LOAD V. A.	LOAD TYPE	LOAD DESCRIPTION	P.	AMP SIZE	PHS.	PHS.	AMP SIZE	P.	LOAD DESCRIPTION	LOAD TYPE	LOAD V. A.	CIRC NO.	
②	1		MTR	FUTURE FOUNTAIN PUMP	3	20	A	20	2	SIT POLES	LGHT	2400	2	③
	3						B						4	
	5						C	20	2	SITE POLES	LGHT	2400	6	③
①②④	7		LGHT	FUTURE FOUNTAIN LIGHTS	1	20	A						8	
	9			SPARE	1	20	B	20	2	SPARE			10	③
	11			SPARE	1	20	C						12	
	13			SPARE	1	20	A	20	1	SIGN			14	③
	15			SPARE	1	20	B	20	1	SPARE			16	
	17			SPARE	1	20	C	20	1	SPARE			18	
	19			SPARE	1	20	A	20	1	SPARE			20	
	21			SPARE	1	20	B	20	1	SPARE			22	
	23			SPARE	1	20	C	20	1	SPARE			24	

① GFCP BREAKER.
② VERIFY ACTUAL BREAKER SIZE REQUIRED WITH EQUIPMENT PROVIDED.
③ VIA CONTACTOR 'A'.

No.	Revision	By	Date

NEWMARKET OFFICE 2ND
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

ELECTRICAL DETAILS AND SCHEDULES

GARY JANZEN, P.E.- CITY ENGINEER
CITY OF WICHITA PROJ. NO. 472-84990

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 SOUTH TOPEKA WICHITA, KS 67202
316-262-2691 www.pec1.com

Designed by DCG | Job No. 35-11114-000
Drawn by MDB | Date July 2011
Sht. 28 of 31

Saved 08-30-2011 9:06:20 AM by ADM
Plot Scale = 1.360 12-21-2012 6:16:55 PM by BJS
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