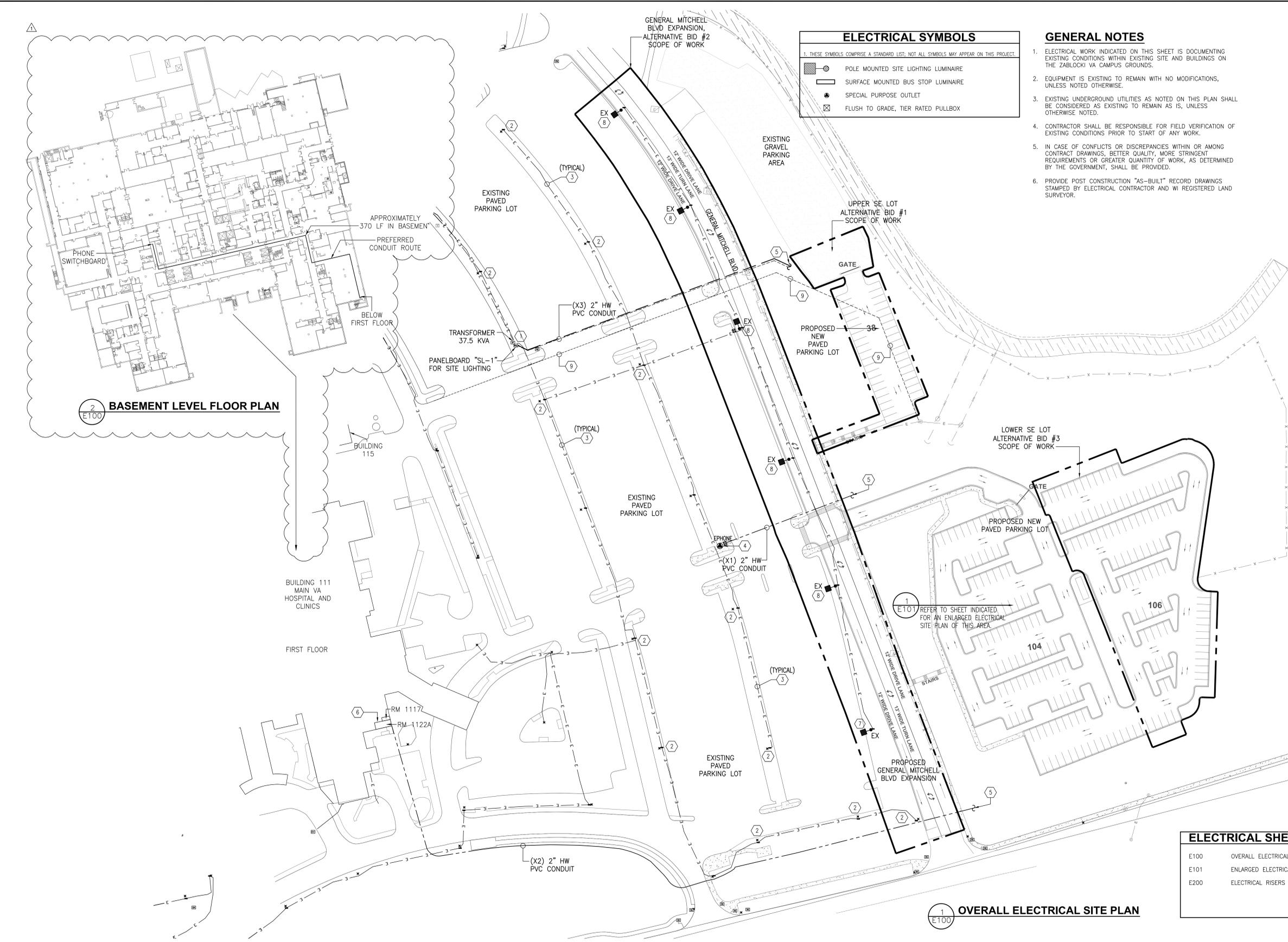


three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

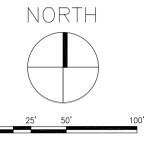


ELECTRICAL SYMBOLS	
1. THESE SYMBOLS COMPRISE A STANDARD LIST; NOT ALL SYMBOLS MAY APPEAR ON THIS PROJECT.	
	POLE MOUNTED SITE LIGHTING LUMINAIRE
	SURFACE MOUNTED BUS STOP LUMINAIRE
	SPECIAL PURPOSE OUTLET
	FLUSH TO GRADE, TIER RATED PULLBOX

- ### GENERAL NOTES
- ELECTRICAL WORK INDICATED ON THIS SHEET IS DOCUMENTING EXISTING CONDITIONS WITHIN EXISTING SITE AND BUILDINGS ON THE ZABLOCKI VA CAMPUS GROUNDS.
  - EQUIPMENT IS EXISTING TO REMAIN WITH NO MODIFICATIONS, UNLESS NOTED OTHERWISE.
  - EXISTING UNDERGROUND UTILITIES AS NOTED ON THIS PLAN SHALL BE CONSIDERED AS EXISTING TO REMAIN AS IS, UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO START OF ANY WORK.
  - IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG CONTRACT DRAWINGS, BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
  - PROVIDE POST CONSTRUCTION "AS-BUILT" RECORD DRAWINGS STAMPED BY ELECTRICAL CONTRACTOR AND WI REGISTERED LAND SURVEYOR.

- ### KEYED NOTES
- LOCATION OF EXISTING TRANSFORMER AND PANELBOARD "SL-1" FOR EXTERIOR SITE LIGHTING. TRANSFORMER IS 37.5 KVA, SINGLE PHASE WITH A 120/240-VOLT SECONDARY OUTPUT. PANEL LOCATED WITHIN STAINLESS STEEL LOCKABLE ENCLOSURE. NEW POWER CIRCUITS FOR THIS PROJECT SHALL ORIGINATE FROM THIS PANELBOARD "SL-1". EC TO PROVIDE CIRCUIT BREAKERS, AS SPECIFIED ON SHEET E101 TO FEED NEW PARKING LOT EQUIPMENT.
  - LOCATION OF EXISTING POLE MOUNTED SITE LIGHTING FIXTURE SERVING THE EXISTING PARKING LOTS. 200-WATT HIGH PRESSURE SODIUM LAMPING, TYPE V DISTRIBUTION ON A 30-FOOT POLE. HANDHOLE PULL BOX LOCATED NEAR EACH POLE BASE FOR WIRING ACCESS POINT.
  - LOCATION OF EXISTING BRANCH CIRCUIT WIRING WITHIN CONDUIT BELOW GRADE. CONDUIT ROUTING SHOWN FOR REFERENCE ONLY. CONDUIT ROUTING IS BASED ON AVAILABLE RECORD DRAWING INFORMATION FROM ZABLOCKI VAMC.
  - LOCATION OF EXISTING BLUE EMERGENCY STATION. TALK-A-PHONE, INSTALLED DURING PREVIOUS CAMPUS PROJECT. EC TO EXTEND BRANCH POWER CIRCUIT TO NEW EMERGENCY BLUE PHONES IN NEW PARKING LOT. SEE SHEET E101 FOR EMERGENCY PHONE LOCATIONS.
  - FOR ELECTRICAL DISTRIBUTION DESIGN WITHIN THIS AREA, SEE SHEET E101, ENLARGED ELECTRICAL SITE PLAN.
  - APPROXIMATE LOCATION OF DEPUTY CHIEF OF POLICE OFFICE, ROOM 1123. TERMINATE EMERGENCY TALK-A-PHONE FIBER OPTICS FOR CAMERA AND WEBS MASS NOTIFICATION SYSTEM IN THIS ROOM ON EXISTING 48 PORT POE SWITCH. COORDINATE WORK IN FIELD WITH JOHNSON CONTROLS INC AND VAMC STAFF PRIOR TO ROUGH-IN. MOUNT CONDUIT TO EAST WALL NEAR CORNER, UP TO ENTRY ELEVATION, THEN AROUND CORNER TO ENTRY POINT INTO ROOM 1122A.
  - EXISTING SITE LIGHTING POLE LOCATION TO REMAIN AS IS. SHOWN ON THIS SHEET FOR REFERENCE ONLY.
  - EXISTING SITE LIGHTING POLE TO BE IMPACTED BY NEW CIVIL ROADWAY/CURB WORK IN THIS AREA. POLE AND PULLBOX TO BE RELOCATED TO GRASS AREA LOCATED BEHIND ROAD "BACK OF CURB". SEE POLE BASE DETAIL 1/E200 FOR NEW POLE BASE. FIELD COORDINATE FINAL POLE LOCATIONS IN FIELD. FINAL COORDINATION REQUIRED WITH ZABLOCKI VAMC STAFF. PROVIDE NEW CONDUIT AND CONDUCTORS TO RECONNECT BRANCH LIGHTING CIRCUITS.
  - EC SHALL BE AWARE THAT THE VA/WE ENERGIES WILL BE INSTALLING/HAS INSTALLED NEW UNDERGROUND ELECTRIC UTILITY POWER CONDUIT SYSTEM IN PROPOSED CONSTRUCTION AREAS. COORDINATE NEW CONDUIT RUNS WITH EXISTING AND NEWLY RENOVATED SITE.

ELECTRICAL SHEET INDEX	
E100	OVERALL ELECTRICAL SITE PLAN
E101	ENLARGED ELECTRICAL SITE PLAN
E200	ELECTRICAL RISERS AND DETAILS



1 OVERALL ELECTRICAL SITE PLAN  
E100

Amendment 1	04/17/14
Revisions:	Date

Dept. of Veterans Affairs  
 Medical Center  
 5000 W. National Avenue  
 Milwaukee, WI



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THE MATRIX GROUP  
 ENGINEERING CONSULTANTS

PROJECT LEADER:

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 211 6TH STREET WEST  
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MILWAUKEE, WI  
 623 N. HAYFAIR RD.  
 SUITE 100  
 MILWAUKEE, WI 53208  
 PHONE: (414) 258-8804  
 FAX: (414) 258-8154

Drawing Title	Electrical Site Plan - Overall
Approved:	Project Director

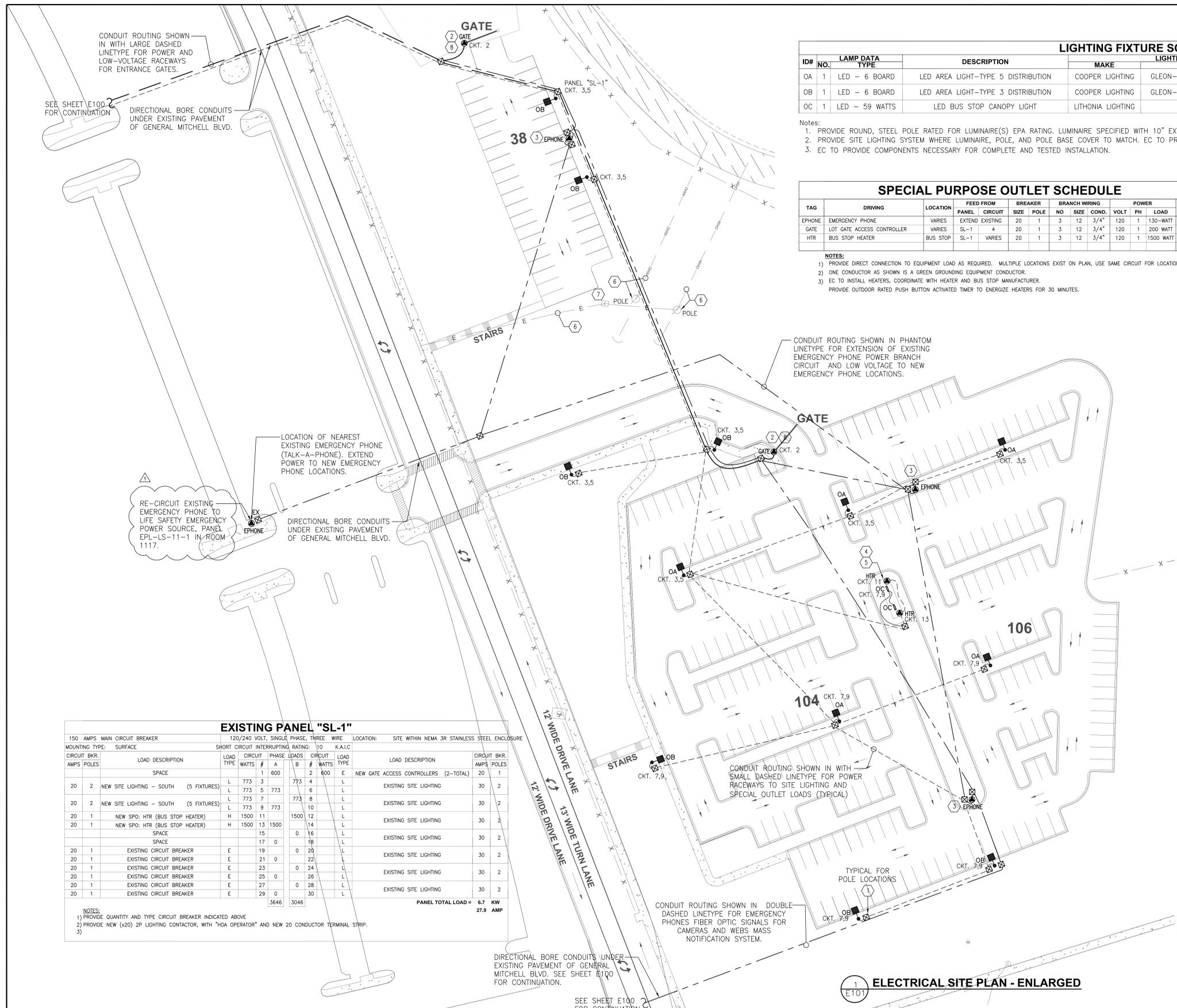
Project Title	SITE SOUTH EAST AREA PARKING LOT
Location	VA Medical Center, Milwaukee, WI
Date	December 12, 2013

Project Number	695-13-174
Building Number	-
Drawing Number	E100

100% CONSTRUCTION DOCUMENTS

Office of Facilities Management

three inches = one foot  
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 one inch = one foot  
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 one eighth inch = one foot



ID#	NO.	LAMP DATA TYPE	DESCRIPTION	MAKE	LIGHTING FIXTURE CATALOG NO.	MOUNT	Equal Manufacturers	VOLT.	SEE NOTE
OA	1	LED - 6 BOARD	LED AREA LIGHT-TYPE 5 DISTRIBUTION	COOPER LIGHTING	GLEON-AA-06-LED-E15WQ-BLACK-EA-TH	29' POLE	KIM, GARDCO	MVOLT	1, 2
OB	1	LED - 6 BOARD	LED AREA LIGHT-TYPE 3 DISTRIBUTION	COOPER LIGHTING	GLEON-AA-06-LED-E1-T3-COLOR-EA-TH	29' POLE	KIM, GARDCO	MVOLT	1, 2
OC	1	LED - 59 WATTS	LED BUS STOP CANOPY LIGHT	LITHONIA LIGHTING	VAP-59LED-SYM-STSL	CEILING	COOPER, KIM	MVOLT	3

- Notes:
1. PROVIDE ROUND, STEEL POLE RATED FOR LUMINAIRE(S) EPA RATING. LUMINAIRE SPECIFIED WITH 10" EXTENDED ARM FOR POLE MOUNTING.
  2. PROVIDE SITE LIGHTING SYSTEM WHERE LUMINAIRE, POLE, AND POLE BASE COVER TO MATCH. EC TO PROVIDE ALL COMPONENTS NECESSARY FOR INSTALLATION OF SITE LIGHTING SYSTEM.
  3. EC TO PROVIDE COMPONENTS NECESSARY FOR COMPLETE AND TESTED INSTALLATION.

TAG	DRIVING	LOCATION	FEED FROM	BREAKER	BRANCH WIRING	POWER	SEE
EPHONE	EMERGENCY PHONE	VARIES	EXTEND EXISTING	20 1	3 12 3/4"	120 1 130-WATT	1, 2
GATE	LOT GATE ACCESS CONTROLLER	VARIES	SL-1	4 20 1	3 12 3/4"	120 1 200 WATT	1, 2
HTR	BUS STOP HEATER	BUS STOP	SL-1	VARIES	20 1 3 12 3/4"	120 1 1500 WATT	3

- NOTES:
- 1) PROVIDE DIRECT CONNECTION TO EQUIPMENT LOAD AS REQUIRED. MULTIPLE LOCATIONS EXIST ON PLAN, USE SAME CIRCUIT FOR LOCATIONS.
  - 2) ONE CONDUCTOR AS SHOWN IS A GREEN GROUNDING EQUIPMENT CONDUCTOR.
  - 3) EC TO INSTALL HEATERS, COORDINATE WITH HEATER AND BUS STOP MANUFACTURER. PROVIDE OUTDOOR RATED PUSH BUTTON ACTIVATED TIMER TO ENERGIZE HEATERS FOR 30 MINUTES.

**GENERAL NOTES**

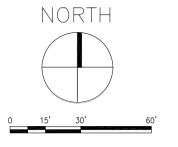
1. ELECTRICAL WIRING FOR SITE LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG COPPER CONDUCTORS TO MINIMIZE VOLTAGE DROP.
2. POWER CIRCUITS, EXCEPT TALK-A-PHONE, INDICATED ON THIS SHEET SHALL BE WIRED FROM PANEL "SL-1" REFER TO SHEET E100 FOR PANEL LOCATION. TALK-A-PHONE POWER EXTENDED FROM JUNCTION BOX AT CLOSEST EXISTING TALK-A-PHONE TOWER.
3. WIRE SIZING INDICATED ON THIS SHEET IS BASED ON THE USE OF COPPER CONDUCTORS PER THE NATIONAL ELECTRICAL CODE AND ALL STATE ELECTRICAL CODE REQUIREMENTS.
  - a) PVC CONDUIT MUST BE PROPERLY "WELDED"
  - b) RIGID METAL CONDUIT REQUIRED FOR EXPOSED CONDUIT.
  - c) PROVIDE "DETECTABLE" WARNING TAPE 12" BFG.
  - d) ADD PULL STRING TO CONDUITS.
4. TRENCHING AND CONDUIT PATHWAYS HAVE BEEN SHOWN FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR TO VISIT SITE TO FIELD VERIFY EXISTING CONDITIONS AND DETERMINE BEST WAY TO RUN ELECTRICAL SO AS NOT TO DAMAGE EXISTING TREES OR PAVEMENT. PROVIDE TRENCHING PER M/C300.
5. CIRCUIT NUMBERS INDICATED ON THIS PLAN ARE ARBITRARY AND ARE SHOWN FOR REFERENCE ONLY. THE ELECTRICAL CONTRACTOR WIRE ALL CIRCUITS BACK TO NEW CIRCUIT BREAKERS MOUNTED IN AVAILABLE MOUNTING SPACE WITHIN PANEL "SL-1" AS INDICATED ON SHEET E100.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR TO ALL TRENCHED AND DAMAGED AREAS WITH TOPSOIL AND GRASS SEED, FERTILIZER, AND MULCH.
7. PROVIDE "AS BUILT" PLANS TO THE VA CENTER ENGINEERING DEPARTMENT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO THE START OF ANY WORK.
9. IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
10. DIRECTIONAL BORING UNDER GENERAL MITCHELL BLVD REQUIRED ONLY IF BLVD RENOVATION WORK IS NOT ACCEPTED AS PART OF VA STAFFS FINAL APPROVED PROJECT SCOPE.
11. PROVIDE POST CONSTRUCTION "AS-BUILT" RECORD DRAWINGS STAMPED BY ELECTRICAL CONTRACTOR AND WI REGISTERED LAND SURVEYOR.

**LOW-VOLTAGE CABLING NOTES:**

1. FOR EMERGENCY PHONE STATION LOCATIONS, FOLLOWING CABLING SHALL BE INSTALLED:
  - a) 12-STRAND, SINGLE-MODE FIBER OPTIC CABLE (62.5 MICRONS). TWO STRANDS TO BE USED FOR VIDEO CAMERA, TWO STRANDS TO BE USED FOR WEBS MASS NOTIFICATION SYSTEM.
  - b) DEDICATED CATEGORY 5E VOICE CABLE FOR INTERCOM BACK TO HEAD-END EQUIPMENT. (LOCATION TO BE VERIFIED)
  - c) PROVIDE (X1) 2' HW PVC CONDUITS TO MAIN VA HOSPITAL (BUILDING 111), DEPUTY CHIEF OF POLICE OFFICE (ROOM 1123) FOR CAMERA AND WEBS SYSTEM FRONT END EQUIPMENT. PROVIDE (X1) SPARE CONDUIT WITH NYLON PULL STRING.
2. FOR ENTRANCE GATE LOCATIONS, THE FOLLOWING CABLING SHALL BE INSTALLED:
  - a) PROVIDE CATEGORY 5E VOICE CABLING BACK TO HEAD-END CONTROL UNIT EQUIPMENT. (LOCATION TO BE VERIFIED).
  - b) AIPHONE INTERCOM SYSTEM POWERED VIA LOW-VOLTAGE CABLING.

**KEYED NOTES**

- 1) SEE ELECTRICAL SHEET E200 FOR LIGHTING DETAILS INCLUDING SITE LIGHTING CONCRETE POLE BASE DETAIL "1/E200" AND QUARTZITE PULL BOX (HANDHOLE) DETAIL "3/E200" FOR ADDITIONAL INFORMATION.
- 2) PARKING LOT GATE ACCESS SYSTEM TO MATCH ZABLOCKI VA CAMPUS STANDARDS. ENTRANCE GATE EQUIPMENT TO BE FURNISHED/INSTALLED BY TAPCO. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO GATE EQUIPMENT AS REQUIRED AND SHALL PROVIDE ENTRANCE/EXIT DRIVE LANE LOOP DETECTORS. COORDINATE AND INSTALL LOOP DETECTORS PER MANUFACTURERS RECOMMENDATIONS. REFER TO DETAIL 5/E200 FOR ADDITIONAL INFORMATION.
- 3) PROPOSED LOCATION OF EMERGENCY PHONE TOWER MANUFACTURED BY TALK-A-PHONE COMPANY. MODEL# WEBS-MT/R OP4. TOWER TO MATCH EXISTING INSTALLED ON ZABLOCKI VA CAMPUS DURING RECENT PROJECT. REFER TO DETAILS "2/E200 & 4/E200" FOR MORE INFORMATION. EMERGENCY PHONE TO CONTAIN:
  - 1) BLUE LIGHT
  - 2) MASS NOTIFICATION SPEAKERS
  - 3) EMERGENCY INTERCOM STATION
  - 4) SECURITY CAMERA DOME WITH 360-DEGREE PTZ CAMERA.
- 4) EC TO INSTALL (X2) 1500W BUS STOP HEATERS. COORDINATE HEATER LOCATIONS WITH MANUFACTURERS RECOMMENDED "OFFSET" DISTANCES. LOCATE ON CEILING SUPPORTS. HEATERS PROVIDED BY OTHERS. EC TO PROVIDE OUTDOOR RATED "PUSH BUTTON" TO ACTIVATE EC PROVIDED BUS STOP HEATER TIMER. UPON ACTIVATION HEATER SHALL OPERATE FOR 30 MINUTES.
- 5) EC TO PROVIDE (X2) TYPE "OC" LUMINAIRES. LUMINAIRES TO BE LOCATED ON BUS STOP CEILING. COORDINATE WITH HEATER LOCATION IN FIELD. PROVIDE ALL EQUIPMENT NECESSARY FOR INSTALLATION, INCLUDING BUT NOT LIMITED TO, STANCHIONS, MOUNTING HARDWARE, JUNCTION BOXES, AND CONDUITS.
- 6) COORDINATE ALL ELECTRICAL UNDERGROUND WORK (TRENCHING/CONDUITS) IN THIS AREA WITH WE ENERGIES. TWO (2) EXISTING INCOMING WE ENERGIES FEEDERS AT 13.2 KV INSTALLED IN DUCT BANK CONSTRUCTION. CARE TO BE TAKEN NOT TO DISTURB THESE LOCATIONS.
- 7) SEE ELECTRICAL SHEET E100, KEYED NOTE #9 FOR ADDITIONAL INFORMATION REGARDING WORK IN THIS AREA.
- 8) DESIGN INTENT IS TO HAVE TWO GATES PER LOCATION, ONE CONTROLLED BY CARD READER, ONE BY LOOP DETECTOR.



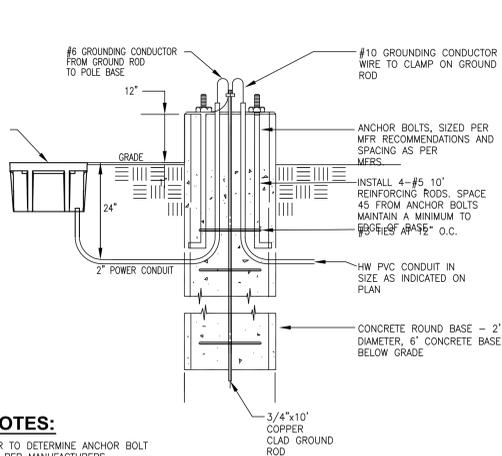
EXISTING PANEL "SL-1"									
150 AMPS MAIN CIRCUIT BREAKER					120/240 VOLT, SINGLE PHASE, THREE WIRE				
MOUNTING TYPE: SURFACE					SHORT CIRCUIT INTERRUPTING RATING: 10 K.A.I.C.				
CIRCUIT BKR.	LOAD DESCRIPTION	LOAD TYPE	WATTS	AMPS	CIRCUIT	PHASE	LOADS	CIRCUIT	LOAD DESCRIPTION
20	NEW SITE LIGHTING - SOUTH (5 FIXTURES)	L	773	3	773	4	L	30	2
20	NEW SITE LIGHTING - SOUTH (5 FIXTURES)	L	773	5	773	6	L	30	2
20	NEW SPO: HTR (BUS STOP HEATER)	H	1500	11	1500	12	L	30	2
20	NEW SPO: HTR (BUS STOP HEATER)	H	1500	13	1500	14	L	30	2
20	SPACE		15	0	18	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	19	0	20	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	21	0	22	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	23	0	24	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	25	0	26	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	27	0	28	0	L	30	2
20	EXISTING CIRCUIT BREAKER	E	29	0	30	0	L	30	2
			3646		3046		PANEL TOTAL LOAD = 6.7 KW 27.9 AMP		

NOTES:  
 1) PROVIDE QUANTITY AND TYPE CIRCUIT BREAKER INDICATED ABOVE.  
 2) PROVIDE NEW (X20) 2P LIGHTING CONTACTOR, WITH "NO OPERATOR" AND NEW 20 CONDUCTOR TERMINAL STRIP.  
 3)

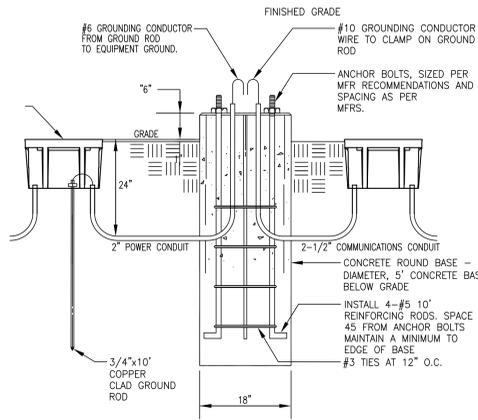
**1 ELECTRICAL SITE PLAN - ENLARGED**

Dept. of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI	CONSULTANTS: THE SIGMA GROUP Single Source. Sound Solutions. www.thissigmagroup.com 1300 West Canal Street Milwaukee, WI 53233 Phone: 414-643-4200 Fax: 414-643-4210	PROJECT LEADER: ASHLAND, WI 211 6TH STREET WEST ASHLAND, WI 54806 PHONE: (715) 882-8004 FAX: (715) 882-8005 MILWAUKEE, WI 823 N HAYWARD RD. SUITE 100 MILWAUKEE, WI 53208 PHONE: (414) 258-8804 FAX: (414) 258-8154	Drawing Title <b>Electrical Site Plan - Enlarged</b>	Project Title <b>SITE SOUTH EAST AREA PARKING LOT</b>	Project Number <b>695-13-174</b>
			Approved: Project Director	Location <b>VA Medical Center, Milwaukee, WI</b>	Building Number -
Amendment 1 Revisions:	Date 04/17/14	Date December 12, 2013	Checked By: RW	Drawn By: KG	Form 08-6231, OCT 1978

QUAZITE PULLBOX:  
11"X18"X18"  
SEE DETAIL 3/E200 FOR  
ADDITIONAL INFORMATION  
(TYP), INSTALL PER  
MANUFACTURERS  
RECOMMENDATIONS.

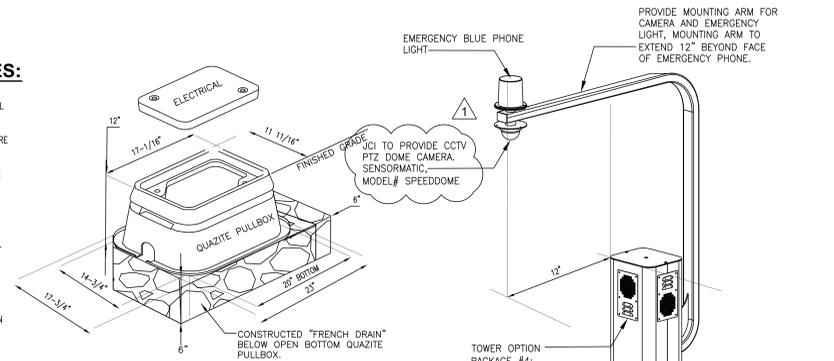


QUAZITE PULLBOX:  
11"X18"X18"  
SEE DETAIL 3/E200 FOR  
ADDITIONAL INFORMATION  
(TYP), INSTALL PER  
MANUFACTURERS  
RECOMMENDATIONS.



**PULLBOX GENERAL NOTES:**

1. EXCAVATE AN ADDITIONAL 8" OF DEPTH AT QUAZITE PULL BOX LOCATION FOR PLACEMENT OF PULL BOX AND GRAVEL FOR FRENCH DRAIN.
2. PROVIDE 6" OF GRAVEL UNDER QUAZITE PULL BOX. SECURE OPEN BOTTOM PULL BOX ON GRAVEL FOUNDATION.
3. EXTEND GRAVEL 6" ON ALL SIDES OF PULL BOX FOR THE CREATION OF FRENCH DRAIN.
4. SLOPE ALL UNDERGROUND CONDUITS TO OPEN BOTTOM PULL BOXES.
5. PROVIDE WATERPROOF WIRE CONNECTIONS AND WRAP ALL CONDUCTORS WITH ELECTRICAL TAPE. MARK EXTRA CIRCUIT CONDUCTORS AS "SPARE" AND CAP. LEAVE 24" MINIMUM LEADS ON ALL CONDUCTORS.
6. QUAZITE PULLBOX, MODEL #PG1188B12 WITH GASKETED ASSEMBLY. PROVIDE TIER RATED COVER, MODEL #PG1188G00. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.



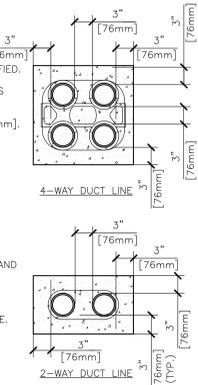
**3 QUAZITE PULLBOX DETAIL**  
E200 SCALE = NTS

**DUCT BANK NOTES:**

1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
2. PROVIDE REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" [610mm].
4. PROVIDE MINIMUM 6" [152mm] SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.
5. INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.

**GENERAL NOTES:**

1. THIS DETAIL SPECIFICATION SHALL BE APPLIED TO ALL MAIN ELECTRICAL/LOW VOLTAGE DISTRIBUTION SYSTEMS.
2. COORDINATE REQUIREMENTS WITH ELECTRICAL SHEETS E100 AND E101.
3. REFER TO CIVIL TRENCH DETAIL ON SHEET "M/C300".
4. DUCT BANK TO BE INSTALLED IN TRENCH REFERENCED ABOVE.

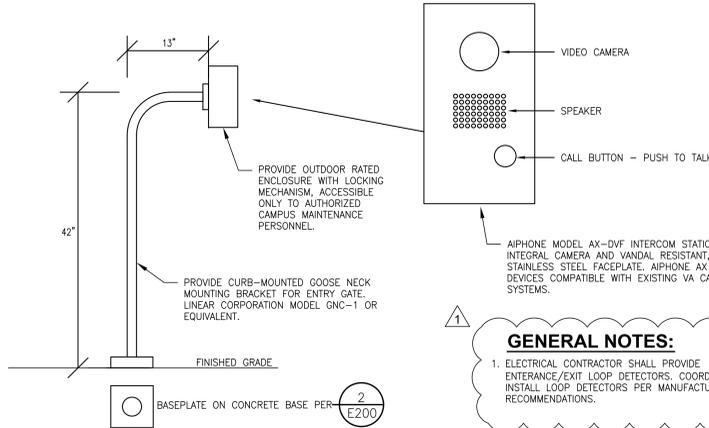


**8 DUCT BANK DETAILS**  
E200 SCALE = NTS

**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR TO DETERMINE ANCHOR BOLT SIZES AND SPACING AS PER MANUFACTURERS TEMPLATE.

**1 SITE LIGHTING CONCRETE POLE BASE DETAIL**  
E200 SCALE = NTS

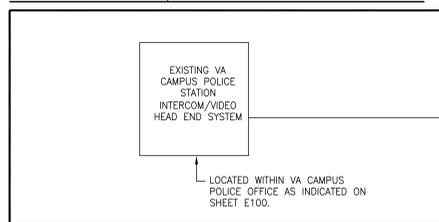


**GENERAL NOTES:**

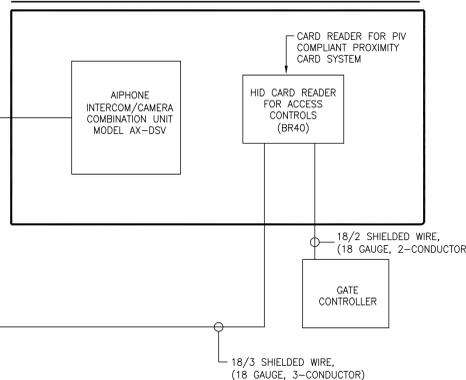
1. ELECTRICAL CONTRACTOR SHALL PROVIDE ENTRANCE/EXIT LOOP DETECTORS. COORDINATE AND INSTALL LOOP DETECTORS PER MANUFACTURERS RECOMMENDATIONS.

**5 ENTRY GATE ACCESS PEDESTAL DETAIL**  
E200 SCALE = NTS

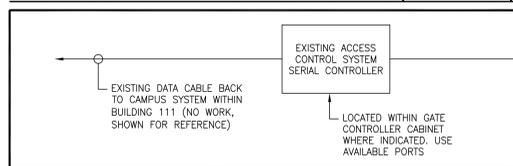
**POLICE OFFICES, DEPUTY CHIEF ROOM 1123**



**INTERNAL TO ENTRY GATE PEDESTAL BOX**



**EXISTING GATE ENTRY STATION - GATE 6 (VALET LOT)**

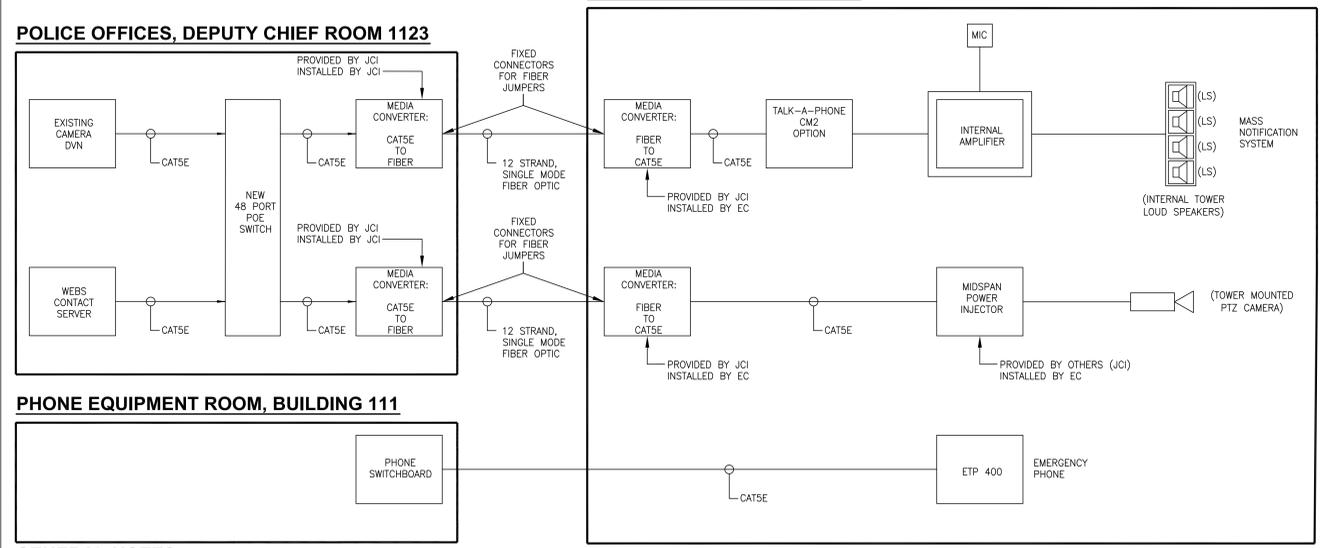


**6 ENTRY GATE - LOW VOLTAGE WIRING RISER DIAGRAM**  
E200 SCALE = NTS

**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR TO RETAIN JOHNSON CONTROLS INC. (JCI) FOR JCI PROVIDED EQUIPMENT, PROGRAMMING, AND COMMISSIONING. INSTALL PER MANUFACTURERS RECOMMENDATIONS. CONTACT MR CHRIS INDIRARAJ OF JOHNSON CONTROLS AT: 414-465-9366

**INTERNAL TO TALK-A-PHONE**



**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR TO RETAIN JOHNSON CONTROLS INC. (JCI) FOR JCI PROVIDED EQUIPMENT, PROGRAMMING, AND COMMISSIONING. INSTALL PER MANUFACTURERS RECOMMENDATIONS. CONTACT MR CHRIS INDIRARAJ OF JOHNSON CONTROLS AT: 414-465-9366

**7 TALK-A-PHONE - LOW VOLTAGE WIRING RISER DIAGRAM**  
E200 SCALE = NTS

Amendment 1	04/17/14
Revisions:	Date

**VA** Dept. of Veterans Affairs  
Medical Center  
5000 W. National Avenue  
Milwaukee, WI

CONSULTANTS:  
**THE MATRIX GROUP**  
ENGINEERING CONSULTANTS

PROJECT LEADER:  
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Fax: 414-643-4210

**Chequamegon**  
BAY GROUP, INC.

Drawing Title  
**Electrical Schedules and Details**  
Approved: Project Director

Project Title  
**SITE SOUTH EAST AREA PARKING LOT**  
Location  
VA Medical Center, Milwaukee, WI  
Date  
December 12, 2013

Project Number  
**695-13-174**  
Building Number  
**-**  
Drawing Number  
**E200**

Office of Facilities Management  
Department of Veterans Affairs

100% CONSTRUCTION DOCUMENTS