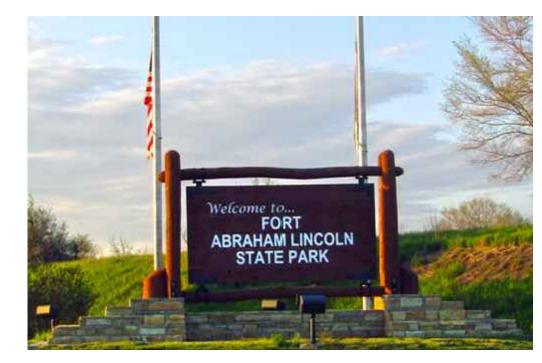
### NORTH DAKOTA PARKS AND RECREATION DEPARTMENT

## ELECTRICAL UPGRADES FORT ABRAHAM LINCOLN STATE PARK 2023



### PROJECT CONTACTS

### CLIENT

NORTH DAKOTA PARKS AND RECREATION DEPARTMENT Brendan Ternes 604 E. BOULEVARD AVE., DEPT. 750 BISMARCK, ND 58505 701-328-5355

FORT ABRAHAM LINCOLN STATE PARK Erik Dietrich 4480 FORT LINCOLN RD. MANDAN, ND 58554 701-667-634

### PROJECT ENGINEERS

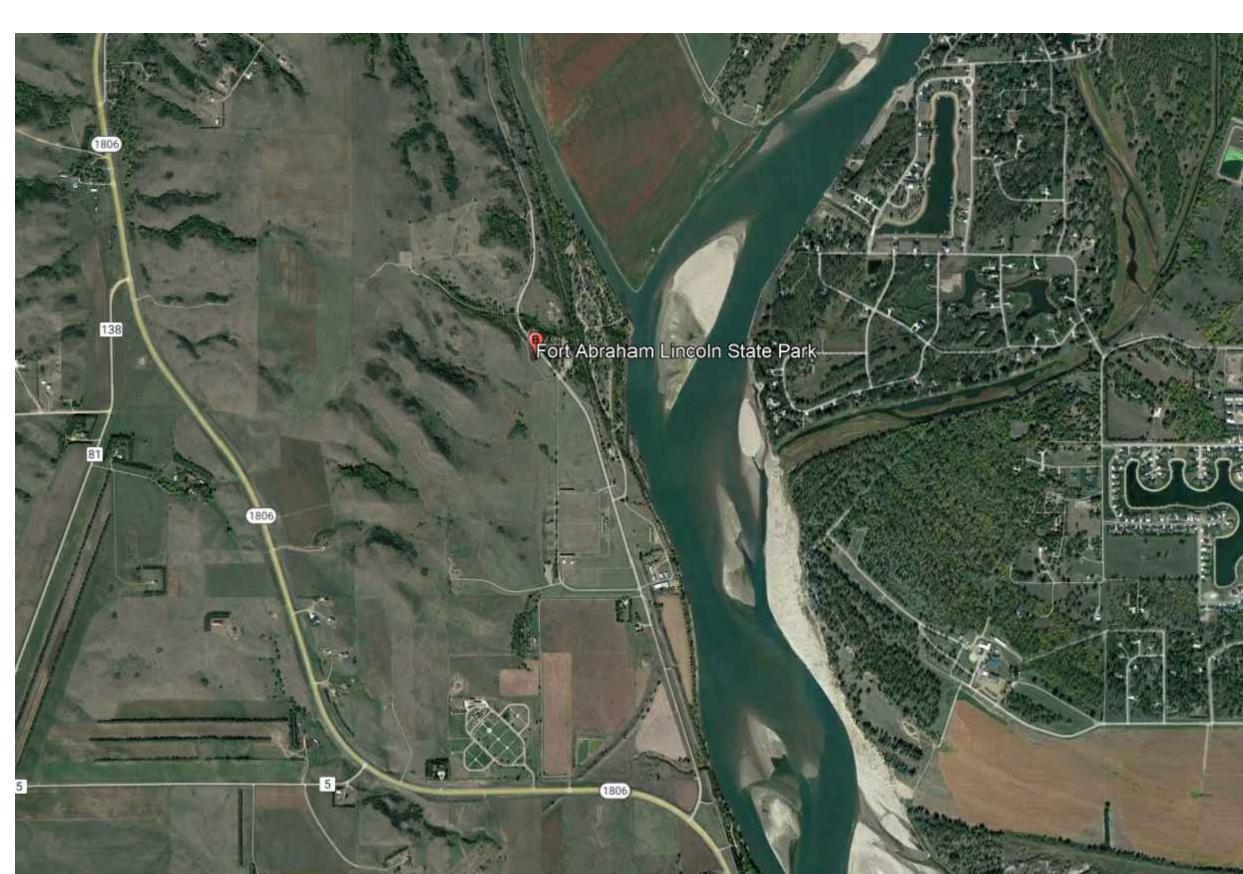
BARTLETT & WEST Mike Van Duyne 3456 E. CENTURY AVE. BISMARCK, ND 58503 701-221-8362

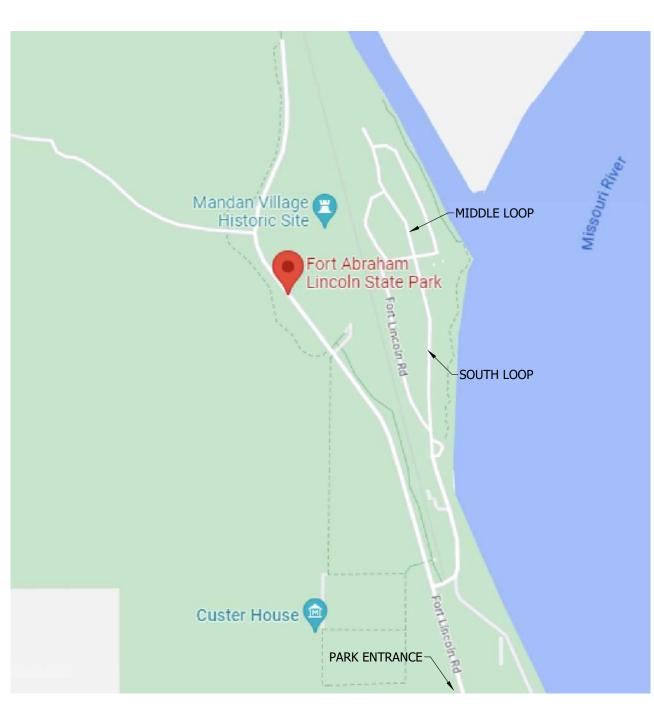
### UTILITIES

MOR-GRAN-SOU ELECTRIC Jason Helgeson 2816 37TH ST. NW. MANDAN, ND 58554 701-663-0297 jhelgeson@morgransou.com

### GENERAL NOTES

- IT IS UNDERSTOOD THAT THESE PLANS WERE DESIGNED IN ACCORDANCE WITH STANDARD PRACTICES WIDELY ACCEPTED THROUGH THE FIELD OF ELECTRICAL ENGINEERING AND SURVEYING AT THE TIME THEY WERE ISSUED ALTHOUGH THE PLANS REPRESENTED HERE HAVE BEEN DESIGN BY, OR UNDER THE DIRECT SUPERVISION OF, A REGISTERED PROFESSIONAL ENGINEER, BARTLETT & WEST WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY PHYSICAL WORK THAT IS NOT CONSTRUCTED UNDER THE DIRECT FULL TIME OBSERVATION OF PERSONNEL EMPLOYED BY BARTLETT & WEST.
- 2. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON INFORMATION PROVIDED TO BARTLETT & WEST AND/OR FIELD OBSERVED. ACCURACY OF LOCATIONS OF ALL UNDERGROUND UTILITIES IS NEITHER GUARANTEED NOR WARRANTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 3. ALL CONSTRUCTION SHALL CONFORM WITH LOCAL AND STATE BUILDING, PLUMBING, AND ELECTRICAL CODES.





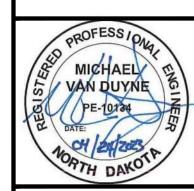
**NORTH DAKOTA ONE CALL** 1-800-795-0555



Sartlett&West
3456 E CENTURY AVENUE - BISMARCK, ND 5850.
PHONE 701-258-111

I LINCOLN STATE PARK VER SHEET

NORTH DAKOTA PARKS & RECREATED RECRE



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**GENERAL SYMBOLS** 

INDICATES DIRECTION OF PLAN NORTH

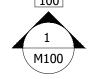
DETAIL REFERENCE - UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET

PLAN NOTE REFERENCE

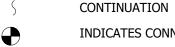
REVISION DELTA



ROOM NUMBER REFERENCE



SECTION CUT REFERENCE - UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER



INDICATES CONNECTION TO EXISTING SYSTEM

G/C

M/C

E/C



### **ABBREVIATIONS**

ABOVE FINISHED FLOOR ABOVE FINISHED GRADE CENTERLINE ELEVATION DOWN **EXISTING** 

GENERAL CONTRACTOR MECHANICAL CONTRACTOR ELECTRICAL CONTRACTOR PLUMBING CONTRACTOR

ALTERNATING CURRENT BREAKER

CONTROL TRANSFORMER CIRCUIT BREAKER DISCONNECT SWITCH DUPLEX RECEPTACLE, GFI DISCONNECT CIRCUIT BREAKER GROUND FAULT CIRCUIT BREAKER HOT BOX CIRCUIT BREAKER

LIGHT CIRCUIT BREAKER MAIN CIRCUIT BREAKER MOTORIZED DAMPER MOTOR POWER CIRCUIT BREAKER PUMP CIRCUIT BREAKER PANEL HEATER CIRCUIT BREAKER

RECEPTACLE CIRCUIT BREAKER SPARE CIRCUIT BREAKER TRANSFORMER TRANSFORMER CIRCUIT BREAKER TELEMETRY RADIO

VALVE CONTROLS CIRCUIT BREAKER VARIABLE FREQUENCY DRIVE

QUOTATION AROUND TEXT INDICATES A SCHEDULED ITEM THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES DEVICE BOTTOM TO BE MOUNTED 4" ABOVE COUNTER TOP BACKSPLASH

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES GROUND FAULT THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES ISOLATED

GROUND SERVICE THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES LOCKING OR

TWIST-LOCK TYPE DEVICE THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES WEATHER-PROOF ENCLOSURE

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES EXPLOSION-PROOF ENCLOSURE

MOUNTING HEIGHT AFF TO TOP OF OF DEVICE

THESE LETTERS ADJACENT TO ANY SYMBOL INDICATES TAMPER PROOF

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> 04-24-2023 FL-E-000

> > 2 of 16

MBOLS N STA TRICAL SAM LINC

O

EX RV POWER PEDESTAL, POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO BE REMOVED. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE

DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - SOUTH LOOP FOR NEW POWER PEDESTAL IMPROVEMENTS.

> UNISTRUT, UTILITY METER, AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO BE REMOVED. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS.

 $\langle 3 \rangle$  E/C to refer to electrical details 2/FL-E-502 and

4 > EX PANELBOARD, POWER CONNECTION, CONCRETE PAD, UNISTRUT, UTILITY METER, AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS.

 $\langle$  5  $\rangle$  E/C to refer to electrical details 1/FL-E-502 and

CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFER TO ELECTRICAL DETAILS 4/FL-E-502 AND 1/FL-E-602.

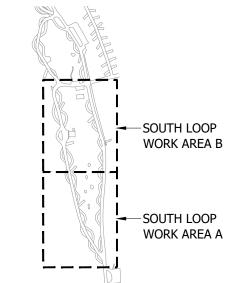
AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFER TO ELECTRICAL DETAILS 5/FL-E-502 AND 1/FL-E-602.

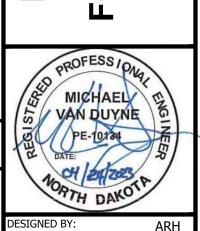
 $\langle$  8  $\rangle$  EX STORM DRAIN SUMP PUMP JUNCTION BOX TO REMAIN. EX POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFER TO ELECTRICAL DETAILS 8/FL-E-502.

(9) EX UTILITY SECTIONALIZER SWITCH TO REMAIN. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFE TO ELECTRICAL DETAILS 1/FL-E-502 AND 1/FL-E-602

 $\langle 10 
angle$  ex pole mounted lighting fixture and associated LIGHTING POLE TO REMAIN AND BE RECONNECTED. EX POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO BE REMOVED. EX BELO GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'0" TO BE DISCONNECTED LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -SOUTH LOOP FOR LIGHTING FIXTURE POWER

 $\langle 11 
angle$  ex storm drain sump pump lockout to be removed FROM EX POWER PEDESTAL. EX POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - SOUTH LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFER TO ELECTRICAL DETAILS 9/FL-E-502.





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DESIGNED BY:	ARH
DRAWN BY:	SDM
APPROVED BY:	MSV
DESIGN PROJ:	21219.000
CONST PROJ:	
SCALE:	AS NOTED
DATE:	04-24-2023
DRAWING NO:	
FL-	E-101

- $\langle$  1  $\rangle$  EX RV POWER PEDESTAL, POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO BE REMOVED. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - MIDDLE LOOP FOR NEW
- $\langle 2 \rangle$  EX PANELBOARD, POWER CONNECTION, UNISTRUT, AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - MIDDLE LOOOP FOR NEW PANELBOARD IMPROVEMENTS.
- $\langle 3 \rangle$  E/C to refer to electrical details 3/FL-E-502 and
- $\langle$  4 angle ex panelboard, associated transformer, and all ASSOCIATED BRANCH CIRCUITS TO REMAIN. E/C TO FIELD INVESTIGATE, RETRACE AND RELABEL ALL EX CIRCUIT BREAKERS. FIELD COORDINATE ALL
- EX PANELBOARD TO REMAIN. EX POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - MIDDLE LOOP FOR NEW PANELBOARD IMPROVEMENTS, E/C TO REFER TO ELECTRICAL DETAILS 6/FL-E-502 AND 2/FL-E-602.
- AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO REMAIN. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN - MIDDLE LOOP FOR NEW PANELBOARD IMPROVEMENTS. E/C TO REFER TO ELECTRICAL DETAILS 7/FL-E-502 AND 2/FL-E-602.
- EX POLE MOUNTED LIGHTING FIXTURE AND ASSOCIATED LIGHTING POLE TO REMAIN AND BE RECONNECTED. EX POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO BE REMOVED. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -MIDDLE LOOP FOR LIGHTING FIXTURE POWER
- (8) EX RV POWER PEDESTAL, LIGHTS, POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT AT THE TRIPLE SHELTER TO BE REMOVED. EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW GRADE DIRECT BURY WIRE BELOW 1'-0" TO BE DISCONNECTED, LABELED "ABANDONED", AND ABANDONED IN PLACE. REFER TO ELECTRICAL IMPROVEMENT SITE PLAN MIDDLE LOOP FOR NEW POWER PEDESTAL
- (9) EX GOODBOY AND SHEHEKE CABINS POWER CONNECTION AND ALL ASSOCIATED ABOVE GRADE WIRE REFER TO ELECTRICAL IMPROVEMENT SITE PLAN -MIDDLE LOOP FOR NEW POWER PEDESTAL

MIDDLE LOOP

WORK AREA

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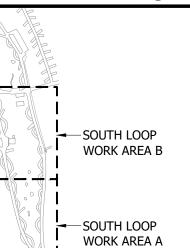
ELECTRIC

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DRAWN BY:	SDM									
APPROVED BY:	MSV									
DESIGN PROJ:	21219.000									
CONST PROJ:										
SCALE:	AS NOTED									
DATE:	04-24-2023									

FL-E-102

### **REFERENCE NOTES:**

- EQUIPMENT PAD. E/C TO FIELD VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS WITH ELECTRIC
- PROVIDED BY ELECTRIC UTILITY. E/C TO COORDINATE EXACT CONNECTION REQUIREMENTS WITH ELECTRIC
- (3) REFER TO ELECTRICAL IMPROVEMENT RISER DIAGRAM
- 4 NEW 1200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD. REFER TO PANELBOARD SCHEDULE ON SHEET FL-E-601.
- (5) EX 800 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD. E/C TO RELABEL AND RECONFIGURE PANELBOARD, REFER TO PANELBOARD SCHEDULE ON SHEET FL-E-601.
- $\langle$  6  $\rangle$  E/C has the option to Bore under the Stand (RV GRAVEL PAD) OR TRENCH THROUGH THE STAND. E/C TO RECLAIM TO EX CONDITIONS. E/C TO REPLACE ALL THE DISTURBED STAND AND GRASS AREAS WITH MATCHING MATERIALS, BACKFILLING, AND SEEDING REQUIREMENTS THAT MEET NORTH DAKOTA PARKS AND RECREATION DEPARTMENT'S STANDARDS. MIXED GRAVEL/SAND/DIRT REPLACEMENT FILL MATERIAL WILL NOT BE ACCEPTED. E/C WILL BE REOUIRED TO SORT EX MATERIAL IF REUSED. E/C TO FIELD COORDINATE ALL
- 7 > E/C TO PROVIDE NEW CONCRETE EQUIPMENT PAD UNDER EX PANELBOARD. E/C TO FIELD VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS WITH ELECTRIC UTILITY.
- $\langle 8 \rangle$  E/C has the option to bore under the road or TRENCH THROUGH THE ROAD. E/C TO RECLAIM TO EX CONDITIONS. E/C TO REPLACE ALL THE DISTURBED ASPHALT ROADWAY, GRAVEL, AND GRASS AREAS WITH MATCHING MATERIALS, BACKFILLING, AND SEEDING REQUIREMENTS THAT MEET NORTH DAKOTA PARKS AND RECREATION DEPARTMENT'S STANDARDS. MIXED GRAVEL/SAND/DIRT REPLACEMENT FILL MATERIAL WILL NOT BE ACCEPTED. E/C WILL BE REQUIRED TO SORT EX MATERIAL IF REUSED IN GRAVEL AREAS. E/C TO FIELD COORDINATE ALL REQUIREMENTS.
- 9 > E/C TO CONNECT NEW FEEDER WIRE AND CONDUIT TO EX COMFORT STATION PANELBOARD. PROVIDE NEW LABEL "COMFORT STATION PANELBOARD" FOR EX PANELBOARD. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 3/FL-E-602.
- $\langle 10 \rangle$  E/C TO CONNECT NEW FEEDER WIRE AND CONDUIT TO EX STORM DRAIN SUMP PUMP JUNCTION BOX. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 3/FL-E-602.
- $\langle 11 \rangle$  E/C TO CONNECT NEW FEEDER WIRE AND CONDUIT TO EX LIFT STATION PANELBOARD. PROVIDE NEW LABEL "LIFT STATION PANELBOARD" FOR EX PANELBOARD. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 3/FL-E-602.
- $\langle 12 \rangle$  EX SECTIONALIZER SWITCH TO REMAIN. E/C TO CONNECT NEW MAIN FEEDER WIRE AND CONDUIT TO EX SECTIONALIZER SWITCH. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 3/FL-E-602.
- $\langle$ 13angle E/C to connect new feeder wire and conduit to EX POLE MOUNTED LIGHTING FIXTURE. ALL EXPOSED FEEDER WIRE TO BE IN RIGID CONDUIT PAINTED TO MATCH EX POLE FINISH. FIELD VERIFY EXACT
- $\langle$ 14angle E/C to refer to 1/FL-E-501 for New Single Back-in PEDESTAL LOCATION.
- $\langle 15 \rangle$  E/C to refer to 2/FL-E-501 for New Double Back-in PEDESTAL LOCATION.
- $\langle 16 \rangle$  E/C to refer to 4/FL-E-501 for New Single PULL-THROUGH PEDESTAL LOCATION.
- $\langle 17 
  angle$  e/C to refer to 5/FL-E-501 for New Double PULL-THROUGH PEDESTAL LOCATION.
- $\langle 18 
  angle$  ex utility transformer and utility meter, to REMAIN. E/C TO COORDINATE EXACT CONNECTION REQUIREMENTS WITH ELECTRIC UTILITY.
- $\langle 19 
  angle$  E/C to refer to 5/FL-E-506 for panelboard berm MOUNTING DETAIL.
- $\langle 20 \rangle$  E/C to refer to 5/FL-E-506 for panelboard berm MOUNTING DETAIL.
- $\langle 21 \rangle$  E/C to refer to 5/FL-E-506 for panelboard berm MOUNTING DETAIL.



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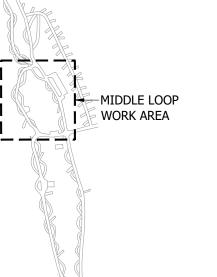
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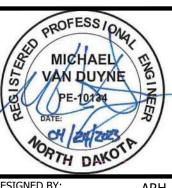
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### REFERENCE NOTES:

- $\langle \ 1 \ 
  angle$  e/c to provide New Utility transformer concrete EQUIPMENT PAD. E/C TO FIELD VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS WITH ELECTRIC
- 2 NEW UTILITY TRANSFORMER AND UTILITY METER, PROVIDED BY ELECTRIC UTILITY. E/C TO COORDINATE EXACT CONNECTION REQUIREMENTS WITH ELECTRIC
- (3) REFER TO ELECTRICAL IMPROVEMENT RISER DIAGRAM
- 4 NEW 800 AMP, 120/240 VOLT, 3 WIRE PANELBOARD. REFER TO PANEL BOARD SCHEDULE ON SHEET FL-E-601. REFER TO DETAIL 4/FL-E-503.
- $\langle$  5  $\rangle$  EX 800 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD. E/C TO RELABEL AND RECONFIGURE PANELBOARD, REFER TO PANELBOARD SCHEDULE ON
- $\langle$  6  $\rangle$  E/C has the option to bore under the stand (RV GRAVEL PAD) OR TRENCH THROUGH THE STAND. E/C TO RECLAIM TO EX CONDITIONS. E/C TO REPLACE ALL THE DISTURBED STAND AND GRASS AREAS WITH MATCHING MATERIALS, BACKFILLING, AND SEEDING REQUIREMENTS THAT MEETING NORTH DAKOTA PARKS AND RECREATION DEPARTMENT'S STANDARDS. MIXED GRAVEL/SAND/DIRT REPLACEMENT FILL MATERIAL WILL NOT BE ACCEPTED. E/C WILL BE REQUIRED TO SORT EX MATERIAL IF REUSED E/C TO FIELD COORDINATE ALL REQUIREMENTS.
- 7 E/C TO PROVIDE NEW 6" CONCRETE EQUIPMENT PAD UNDER EX PANELBOARD. PROVIDE PAD WITH 4'-0" IN FRONT OF PANEL DOOR AND 0'-6" LARGER THAN PANEL AND SUPPORTS ON ALL OTHER SIDES. E/C TO FIELD VERIFY EXACT LOCATION AND COORDINATE ALL REQUIREMENTS WITH ELECTRIC UTILITY.
- TRENCH THROUGH THE ROAD. E/C TO RECLAIM TO EX CONDITIONS. E/C TO REPLACE ALL THE DISTURBED ASPHALT ROADWAY, GRAVEL, AND GRASS AREAS WITH MATCHING MATERIALS, BACKFILLING, AND SEEDING REQUIREMENTS THAT MEETING NORTH DAKOTA PARKS AND RECREATION DEPARTMENT'S STANDARDS. MIXED GRAVEL/SAND/DIRT REPLACEMENT FILL MATERIAL WILL NOT BE ACCEPTED. E/C WILL BE REQUIRED TO SORT EX MATERIAL IF REUSED IN GRAVEL AREAS. E/C TO FIELD COORDINATE ALL REQUIREMENTS.
- ⟨ 9 ⟩ EX FEEDER WIRE AND CONDUIT TO EX AMPHITHEATER PANELBOARD. PROVIDE NEW LABEL "AMPHITHEATER PANELBOARD" FOR EX PANELBOARD, FIELD VERIFY EX CONDITIONS. REFER TO ELECTRICAL RISER DIAGRAM
- $\langle 10 
  angle$  ex feeder wire and conduit to ex triple shelter POWER PEDESTALS AND EX LIGHT FIXTURES. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 4/FL-E-602.
- $\langle 11 
  angle$  e/C to connect new feeder wire and conduit to ex RESTROOM PANELBOARD. PROVIDE NEW LABEL "RESTROOM PANELBOARD" FOR EX PANELBOARD. REFER TO ELECTRICAL RISER DIAGRAM DETAIL 4/FL-E-602.
- $\langle 12 \rangle$  E/C to field investigate, retrace ex circuits CONNECTIONS AND RELABEL ALL EX CIRCUIT BREAKERS
- $\langle 13 
  angle$  ex panelboard and associated transformer to REMAIN, UNLESS NOTED OTHERWISE.
- $\langle 14 
  angle$  E/C to connect new feeder wire and conduit t POLE MOUNTED LIGHTING FIXTURE. ALL EXPOSED FEEDE WIRE TO BE IN RIGID CONDUIT PAINTED TO MATCH EX POLE FINISH. FIELD VERIFY EXACT REQUIREMENTS.
- |15
  angle EX UTILITY TRANSFORMER AND UTILITY METER, TO REMAIN. E/C TO COORDINATE EXACT CONNECTION REQUIREMENTS WITH ELECTRIC UTILITY.
- $\langle 16 
  angle$  E/C to refer to 1/FL-E-501 for New Single Back-in PEDESTAL LOCATION.
- $\langle$ 17angle e/C to refer to 2/FL-E-501 for New Double Back-in
- $\langle 18 \rangle$  E/C to refer to 4/FL-E-501 for New Single PULL-THROUGH PEDESTAL LOCATION.
- (19) E/C TO REFER TO 5/FL-E-501 FOR NEW DOUBLE PULL-THROUGH PEDESTAL LOCATION.
- $\langle 20 \rangle$  E/C to refer to 5/FL-E-506 for panelboard berm MOUNTING DETAIL.





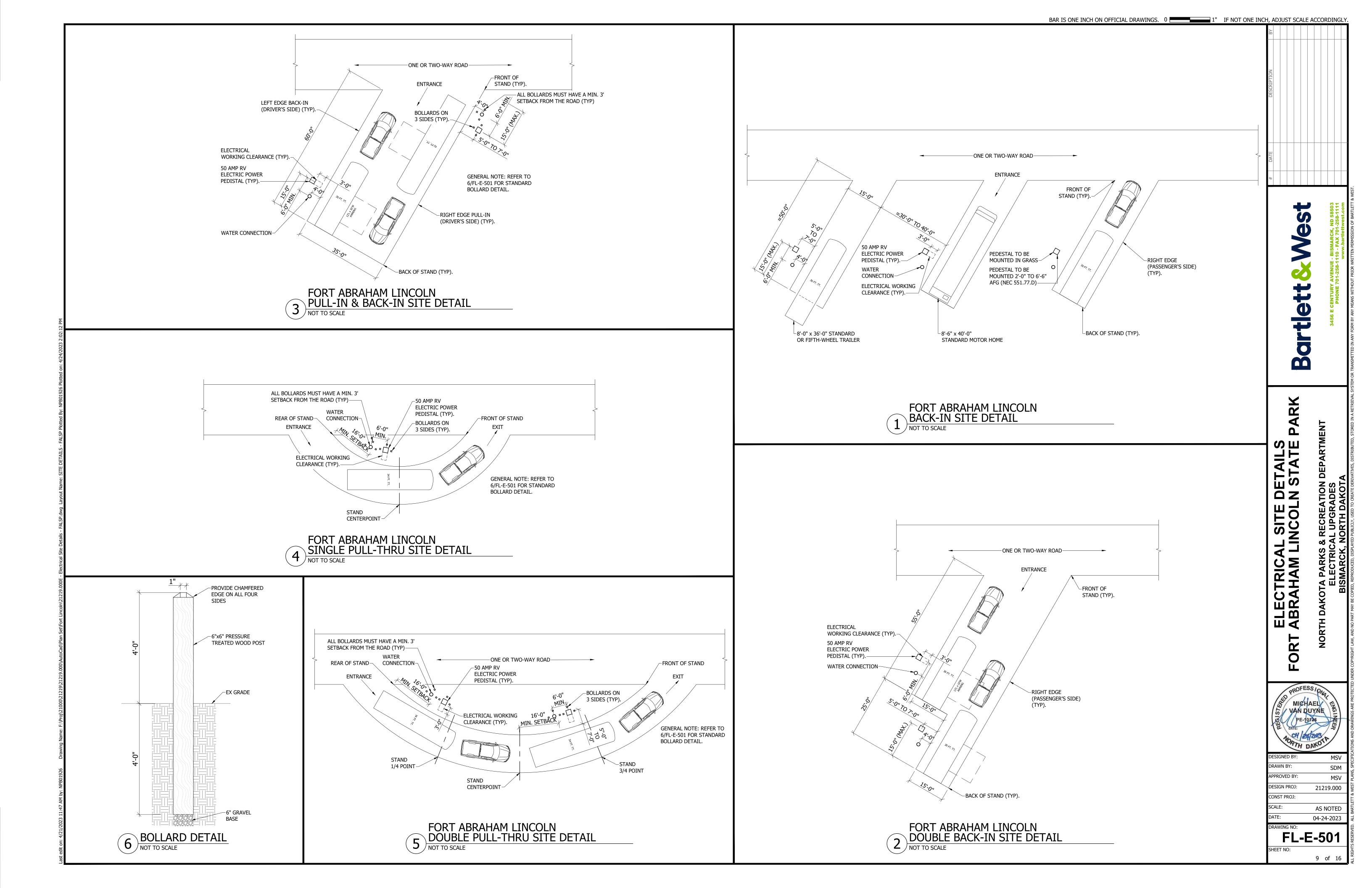
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DESIGNED BY:	ARH									
DRAWN BY:	SDM									
APPROVED BY:	MSV									
DESIGN PROJ:	21219.000									
CONST PROJ:										
SCALE:	AS NOTED									
DATE:	04-24-2023									

FL-E-112



1 EX "P2" AND EX "T2" (EAST OF SITE 39, SOUTH LOOP)
NOT TO SCALE

7 EX AMPHITHEATER (EAST OF SITE 20, MIDDLE LOOP)
NOT TO SCALE

4 EX LIFT STATION (EAST OF SITE 11, SOUTH LOOP)
NOT TO SCALE

EX STORM DRAIN SUMP PUMP JUNCTION BOX-

EX COMFORT STATION MIDWEST ELECTRIC 200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE

PANELBOARD-



8 EX STORM SUMP PUMP JB (COMFORT STATION, SOUTH LOOP)
NOT TO SCALE

EX COMFORT STATION MIDWEST ELECTRIC 200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD-

5 EX RESTROOM (NORTH OF SITE 13, SOUTH LOOP)
NOT TO SCALE

EX UTILITY METER ON BACK OF UNISTRUT #02520 EX "P3" SIEMENS 800 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD-

2 EX "P3" AND EX "T3" (WEST OF SITE 6, SOUTH LOOP)
NOT TO SCALE

EX STORM DRAIN
SUMP PUMP LOCK OUT IN POWER PEDESTAL 32



EX RESTROOM
MIDWEST ELECTRIC
200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE LOADCENTER

MIDWEST ELECTRIC 200 AMP, 120/240 VOLT,

1 PHASE, 3 WIRE PANELBOARD

6 EX RESTROOM (EAST OF SITE 17, EAST LOOP OF MIDDLE LOOP)
NOT TO SCALE



EX "P4" SIEMENS 800 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD

−EX "T3"

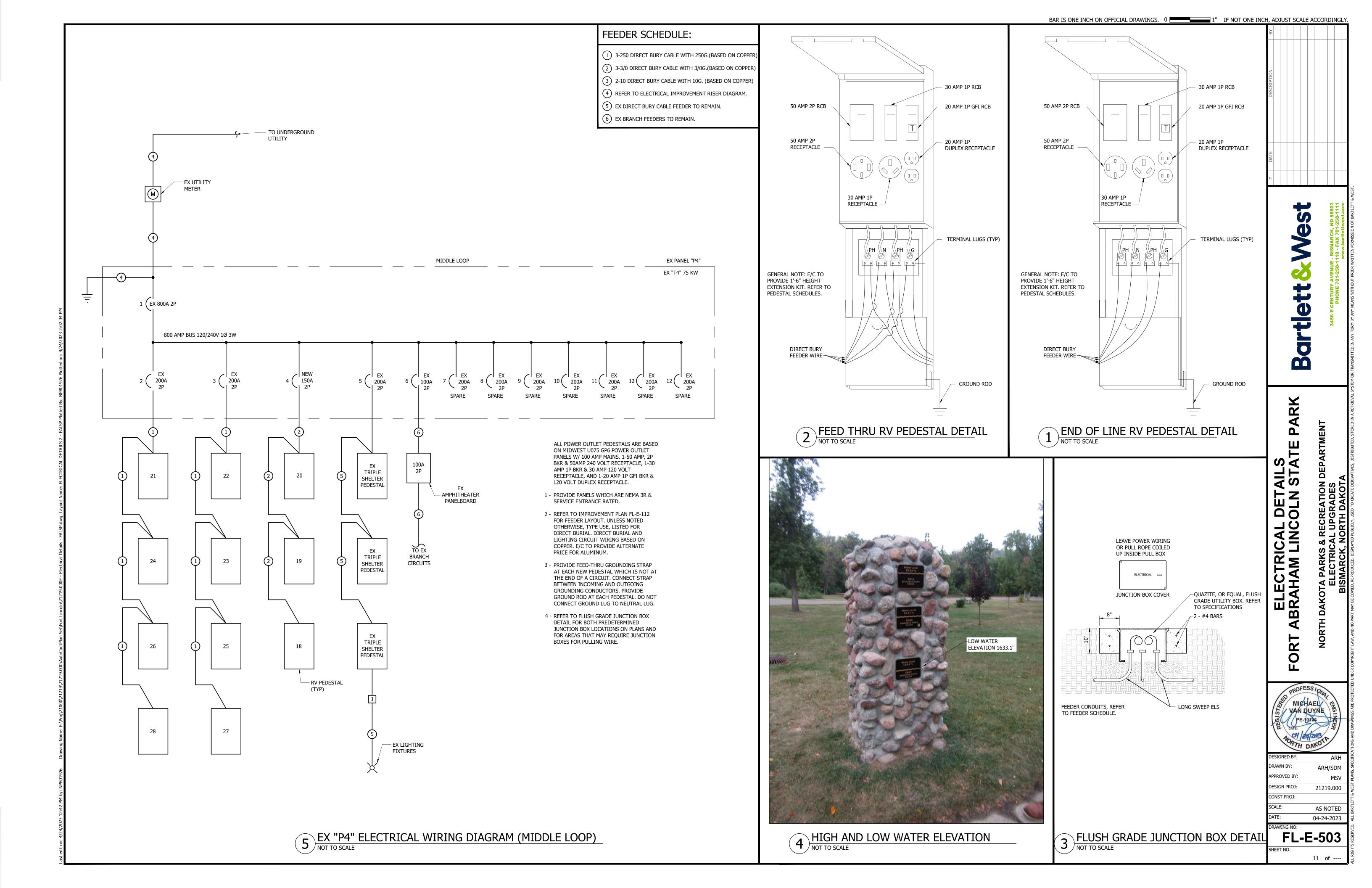
FL-E-502

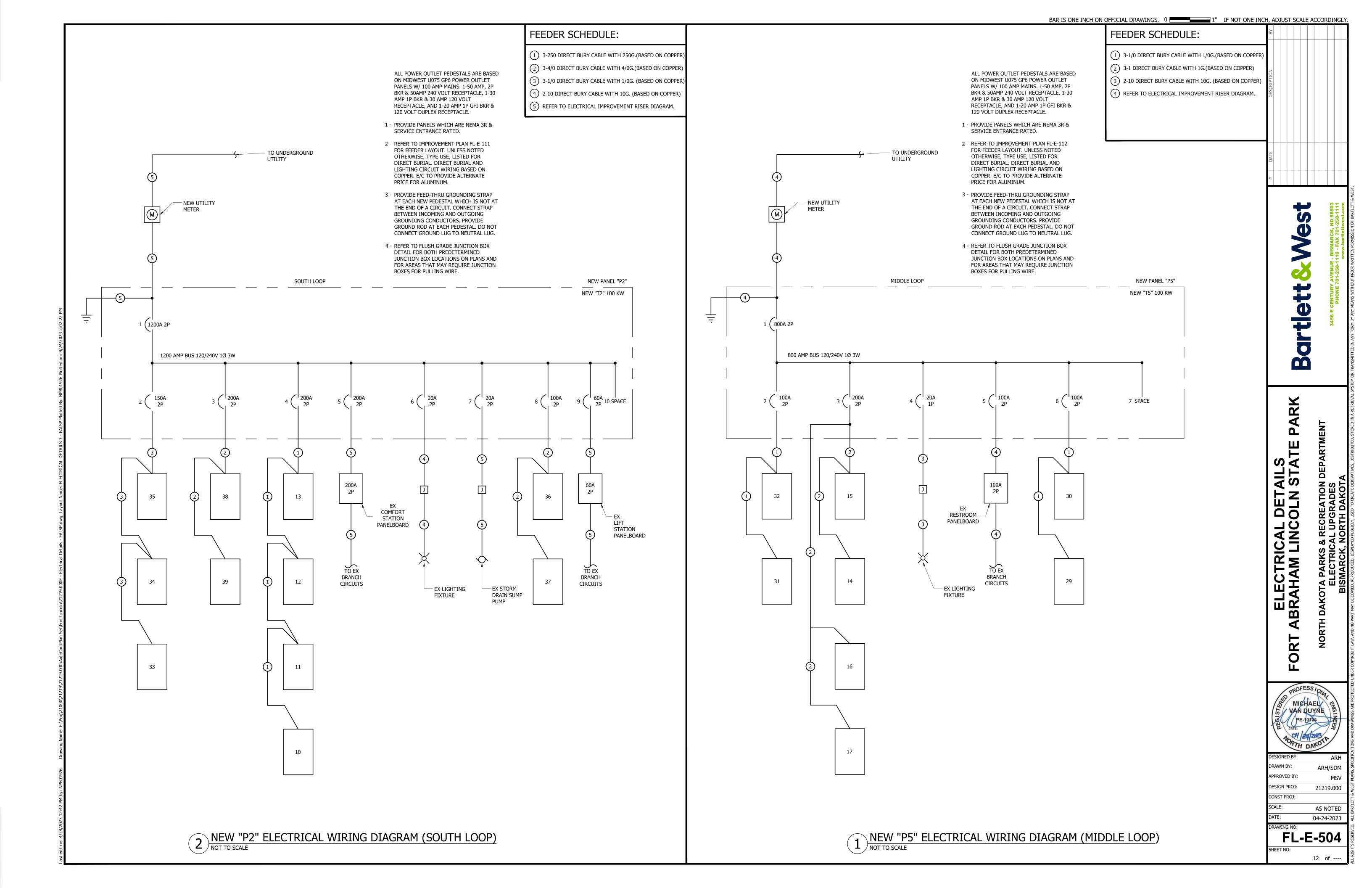
10 of ----

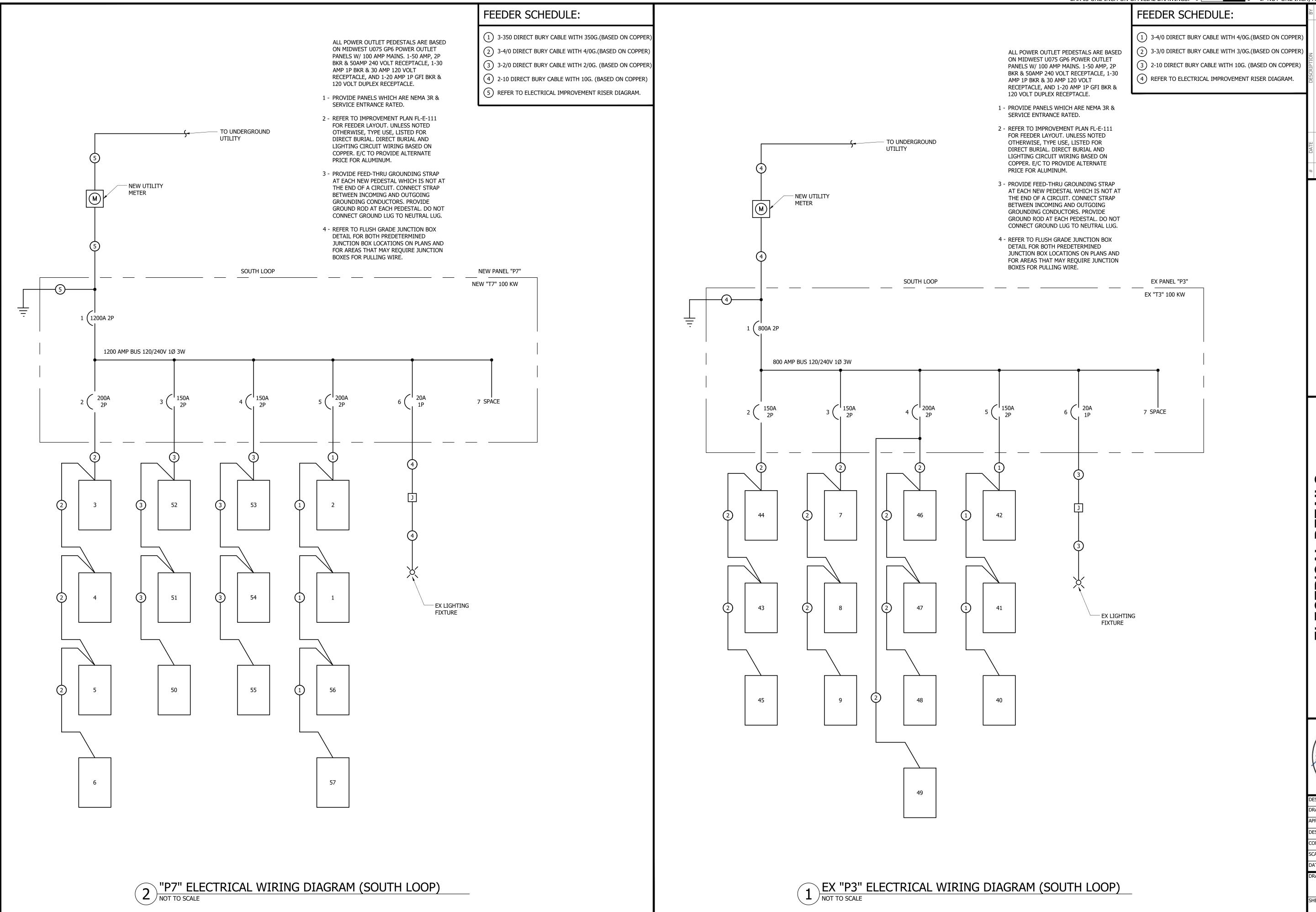
3 EX "P4" AND EX "T4" (NORTH OF SITE 21, MIDDLE LOOP)
NOT TO SCALE

9 EX SUMP PUMP LOCK OUT (SITE 32, SOUTH LOOP)
NOT TO SCALE

ELECTRICAL DE ABRAHAM LINCOL







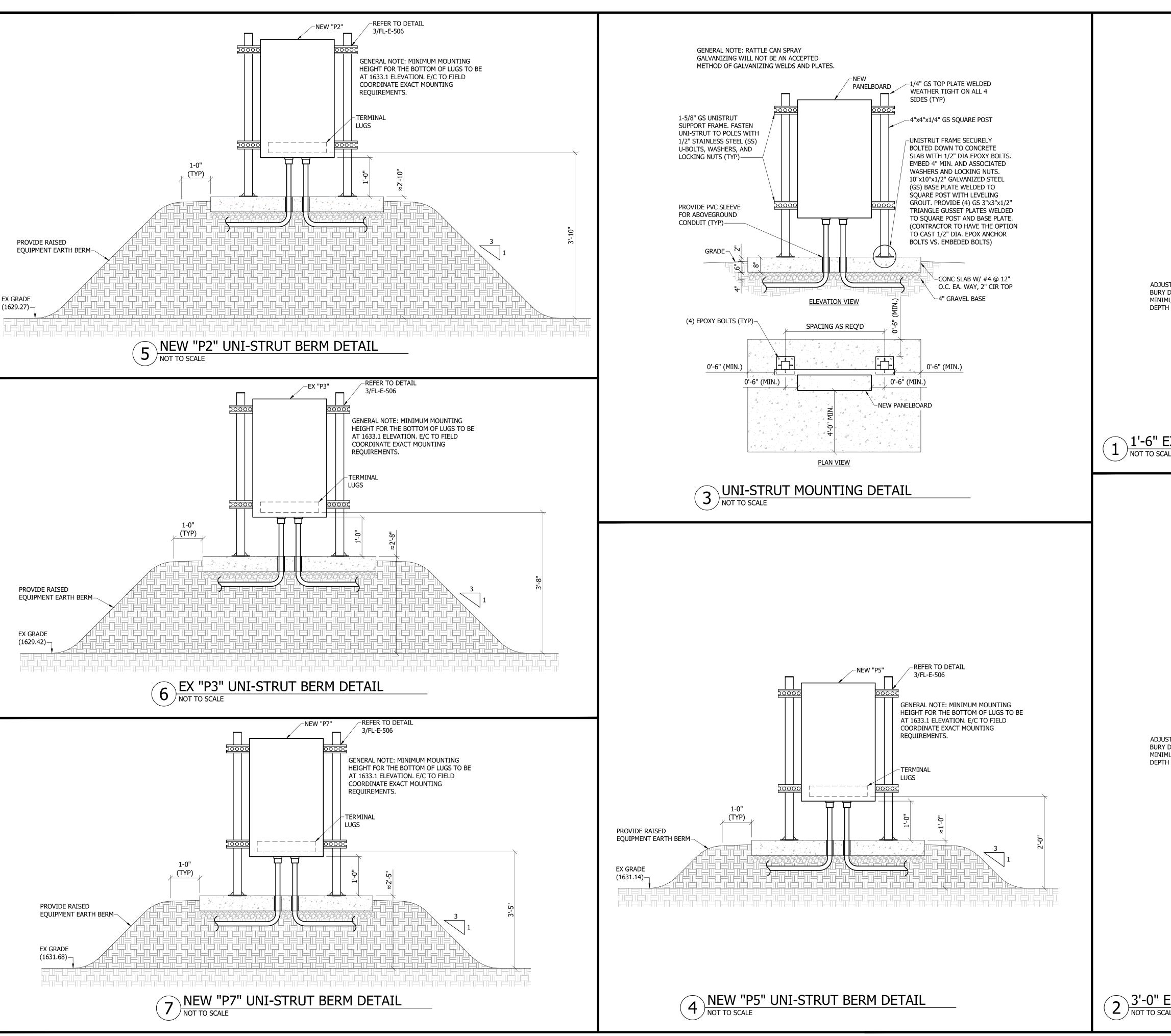
BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

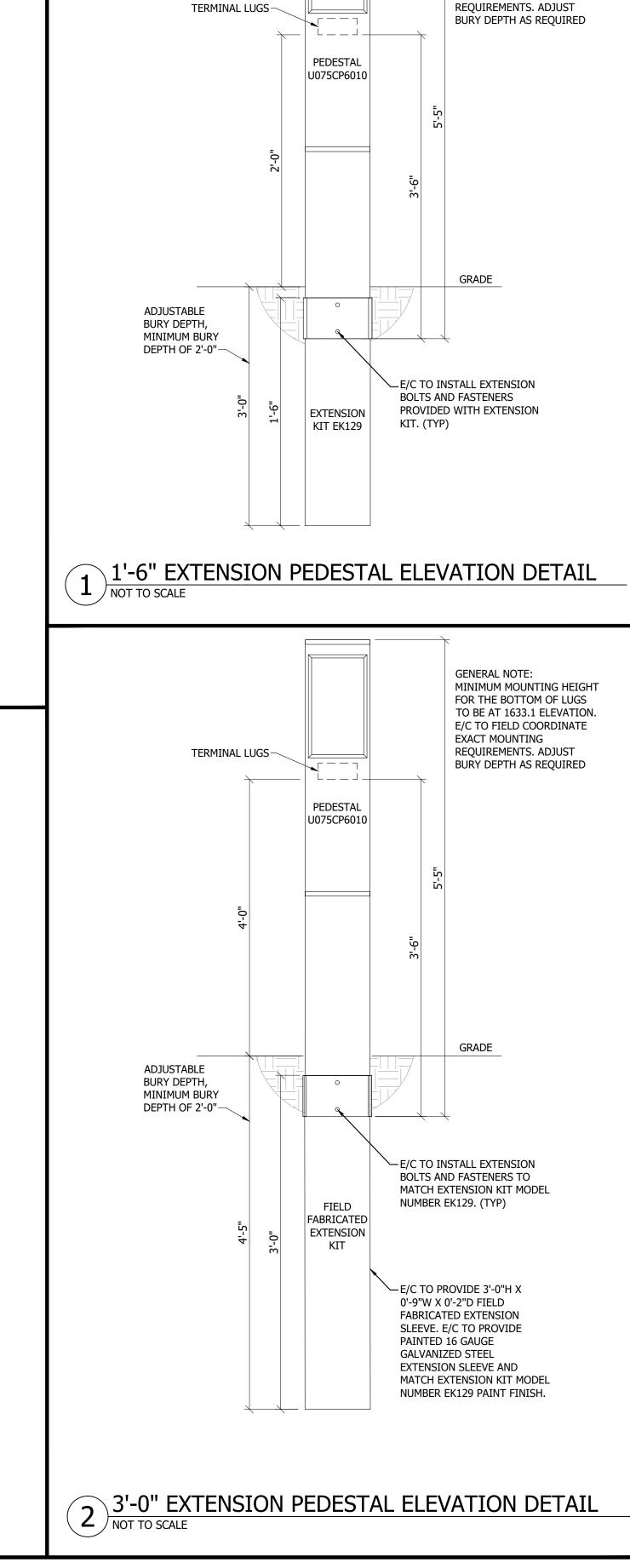
ETAIL!

APPROVED BY: 21219.000 AS NOTED 04-24-2023

FL-E-505

13 of ----





O ARK ELECTRICAL DE ABRAHAM LINCOL **FORT** 

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

MINIMUM MOUNTING HEIGHT

FOR THE BOTTOM OF LUGS

TO BE AT 1633.1 ELEVATION.

E/C TO FIELD COORDINATE

GENERAL NOTE:

EXACT MOUNTING

RAWN BY: SDM/ARH APPROVED BY: MSV ESIGN PROJ: 21219.000 CONST PROJ: AS NOTED

04-24-2023 **FL-E-506** 

<b>RV PE</b>	DESTAL SCHE	DULE - MIDDLE	LOOP							
									ENCLOSURE	
MARK	MFGR	MODEL	AMPERAGE	VOLTAGE	POLES	EX"P4" CIRCUIT #	"P5" CIRCUIT #	RECEPTACLES	TYPE	NOTES
"EP14"	MIDWEST	U075GP6	100	240	2		3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP15"	MIDWEST	U075GP6	100	240	2		3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP16"	MIDWEST	U075GP6	100	240	2		3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP17"	MIDWEST	U075GP6	100	240	2		3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP18"	MIDWEST	U075GP6	100	240	2	4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP19"	MIDWEST	U075GP6	100	240	2	4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP20"	MIDWEST	U075GP6	100	240	2	4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP21"	MIDWEST	U075GP6	100	240	2	2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP22"	MIDWEST	U075GP6	100	240	2	3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP23"	MIDWEST	U075GP6	100	240	2	3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP24"	MIDWEST	U075GP6	100	240	2	2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP25"	MIDWEST	U075GP6	100	240	2	3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP26"	MIDWEST	U075GP6	100	240	2	2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP27"	MIDWEST	U075GP6	100	240	2	3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP28"	MIDWEST	U075GP6	100	240	2	2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP29"	MIDWEST	U075GP6	100	240	2		6	50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP30"	MIDWEST	U075GP6	100	240	2		6	50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP31"	MIDWEST	U075GP6	100	240	2		2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP32"	MIDWEST	U075GP6	100	240	2		2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
										XX. 43.

NOTES: 1. LOCATE NEW BACK IN PEDESTALS 5'-7' FROM LEFT EDGE (DRIVER'S SIDE) OF STAND AND A MAXIMUM OF 15'-0" FROM BACK OF STAND TO COMPLY WITH 551.77(A) OF N.E.C.

2. LOCATE NEW PULL THROUGH PEDESTALS 5'-7' FROM LEFT EDGE (DRIVER'S SIDE) OF STAND AND A MAXIMUM OF 16'-0" FROM BACK OF STAND TO THE CENTER POINT

BETWEEN THE TWO READS THAT GIVE ACCESS TO AND FROM THE SITE TO COMPLY WITH 551.77(A) OF N.E.C.

3. E/C TO PROVIDE 1'-6" HEIGHT EXTENSION KIT MODEL NUMBER EK129 AND ALL ASSOCIATED ACCESSORIES. 4. E/C TO REFER TO 1'-6" EXTENSION PEDESTAL ELEVATION DETAIL 1/FL-E-506.

5. PROVIDE FEED THRU LUGS.

RV PEDE	STAL SCHE	DULE - SOL	JTH LOOP								
	2	31	1	5	d					ENCLOSURE	
MARK	MFGR	MODEL	AMPERAGE	VOLTAGE	POLES	EX "P2" CIRCUIT #	"P3" CIRCUIT #	"P7" CIRCUIT #	RECEPTACLES	TYPE	NOTES
"EP1"	MIDWEST	U075GP6	100	240	2			5	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP2"	MIDWEST	U075GP6	100	240	2			5	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP3"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP4"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP5"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP6"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP7"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP8"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP9"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"E10"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP11"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP12"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP13"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP33"	MIDWEST	U075GP6	100	240	2	2			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"FP34"	MIDWEST	U075GP6	100	240	2	2			50A/2P, 30A/1P, 20A/1P	NFMA 3R	2.3.4.5

"EP2"	MIDWEST	U075GP6	100	240	2			5	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP3"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP4"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP5"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP6"	MIDWEST	U075GP6	100	240	2			2	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP7"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP8"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP9"	MIDWEST	U075GP6	100	240	2		3		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"E10"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP11"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP12"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP13"	MIDWEST	U075GP6	100	240	2	4			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP33"	MIDWEST	U075GP6	100	240	2	2			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP34"	MIDWEST	U075GP6	100	240	2	2			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP35"	MIDWEST	U075GP6	100	240	2	2			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP36"	MIDWEST	U075GP6	100	240	2	8			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP37"	MIDWEST	U075GP6	100	240	2	8			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP38"	MIDWEST	U075GP6	100	240	2	3			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP39"	MIDWEST	U075GP6	100	240	2	3			50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP40"	MIDWEST	U075GP6	100	240	2		5		50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP41"	MIDWEST	U075GP6	100	240	2		5		50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP42"	MIDWEST	U075GP6	100	240	2	· c	5		50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP43"	MIDWEST	U075GP6	100	240	2		2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP44"	MIDWEST	U075GP6	100	240	2		2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP45"	MIDWEST	U075GP6	100	240	2		2		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP46"	MIDWEST	U075GP6	100	240	2		4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP47"	MIDWEST	U075GP6	100	240	2		4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP48"	MIDWEST	U075GP6	100	240	2	6	4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP49"	MIDWEST	U075GP6	100	240	2		4		50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP50"	MIDWEST	U075GP6	100	240	2			3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP51"	MIDWEST	U075GP6	100	240	2			3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	1,3,4,5
"EP52"	MIDWEST	U075GP6	100	240	2	S		3	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP53"	MIDWEST	U075GP6	100	240	2			4	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP54"	MIDWEST	U075GP6	100	240	2			4	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP55"	MIDWEST	U075GP6	100	240	2			4	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP56"	MIDWEST	U075GP6	100	240	2			5	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5
"EP57"	MIDWEST	U075GP6	100	240	2			5	50A/2P, 30A/1P, 20A/1P	NEMA 3R	2,3,4,5

1. LOCATE NEW BACK IN PEDESTALS 5'-7' FROM LEFT EDGE (DRIVER'S SIDE) OF STAND AND A MAXIMUM OF 15'-0" FROM BACK OF STAND TO COMPLY WITH 551.77(A) OF N.E.C. 2. LOCATE NEW PULL THROUGH PEDESTALS 5'-7' FROM LEFT EDGE (DRIVER'S SIDE) OF STAND AND A MAXIMUM OF 16'-0" FROM BACK OF STAND TO THE CENTER POINT

BETWEEN THE TWO READS THAT GIVE ACCESS TO AND FROM THE SITE TO COMPLY WITH 551.77(A) OF N.E.C. 3. E/C TO PROVIDE FIELD FABRICATED 3'-0" HEIGHT EXTENSION SLEEVE SIMILAR TO EXTENSION KIT MODEL NUMBER EK129. E/C TO PROVIDE MATCHING FASTENERS AND BOLTS.

4. E/C TO REFER TO 3'-0" EXTENSION PEDESTAL ELEVATION DETAIL 2/FL-E-506.

5. PROVIDE FEED THRU LUGS.

MARK:	NEW "P5"			NEMA 3R		MAIN BUSS:	800	AMF
VOLTAGE:	120/240	PHASE:	1	WIRE:	3	GROUND BUS:	400	AMF
		MIDDLE L	OOP.			CIRCUIT	BREAKER	l l
UNIT NO.		EQUIP	MENT SE	RVED		AMP POLI		
1	МСВ	3.400				800 2		
2	RV SITE 32	,31				100 2		
3	RV SITE 14	,15,16,17				200	2	
4	EX LIGHT F	IXTURE			20	1		
5	EX RESTRO	OM PANELE	BOARD		100	2		
6	RV SITE 30	, 29				100 2		
7	SPACE							
8								
9								
10								
11	(							
12								
ACCESSOR	TEC+							

MARK:	NEW "P7"			NEMA 3R		MAIN BUSS:	1200	AMP	
VOLTAGE:	120/240	PHASE:	1	WIRE:	3	GROUND BUS:	600	AMP	
		SOUTH L	.OOP	1		CIRCUIT	BREAKER	₹	
UNIT NO.		EQUIP	MENT S	ERVED		AMP	PO	LE	
1	MCB					1000	2	2	
2	RV SITE 3,4	1,5,6			200	2			
3	RV SITE 50	,51,52			150	2	2		
4	RV SITE 53	,54,55		150	2	2			
5	RV SITE 2,1	1,56,57			200	2	2		
6	EX LIGHT F	IXTURE				20	20 1		
7	SPACE								
8									
9									
10									
11									
12									
ACCESSOR	IES: AIC RATING	8	0						

MARK:	NEW "P2"			NEMA 3R		MAIN BUSS:	1200	AME	
VOLTAGE:	120/240	PHASE:	1	WIRE:	3	GROUND BUS:	600	AMF	
		SOUTH L	ООР			CIRCUIT	BREAKER	₹	
UNIT NO.		EQUIP	MENT SE	RVED		AMP POL			
1	МСВ					1000 2			
2	RV SITE 35	,34,33				150 2			
3	RV SITE 38	,39			100	2			
4	RV SITE 13	,12,11,10			200	2			
5	EX COMFO	RT STATIO	N		200	2			
6	EX LIGHT F	IXTURE				20	1		
7	EX STORM	DRAIN SUM	1P PUMP			20	1	1	
8	RV SITE 36	, 37				100	2	2	
9	EX LIFT ST	ATION				60	2	2	
10	SPARE								
11									
12									
ACCESSOR	IES:					9	7		

MARK:	EX "P3"			NEMA 3R		MAIN BUSS:	800
VOLTAGE:	120/240	PHASE:	1	WIRE:	3	GROUND BUS:	400
		SOUTH L	OOP	,		CIRCUIT I	BREAKE
UNIT NO.	V.	EQUIP	MENT SE	RVED		AMP	PC
1	MCB					800	1
2	RV SITE 44	,43,45		**150	:		
3	RV SITE 7,	8,9		**150			
4	RV SITE 46	,47,48,49	200	200 2			
5	RV SITE 42	2,41,40	**150 2				
6	EX LIGHT F	IXTURE		20			
7	SPACE						
8							
9							
10							
11							
12							
ACCESSOR							

CIRCUIT BREAKER AS NOTED

MARK:	EX "P4"			NEMA 3R		MAIN BUSS:	800	AM	
VOLTAGE:	120/240	PHASE:	1	WIRE:	3	GROUND BUS:	400	AM	
		MIDDLE L	OOP	:1		CIRCUIT	BREAKER	₹	
UNIT NO.		EQUIP	MENT S	ERVED		AMP	PO	POLE	
1	МСВ					800 2			
2	RV SITE 21	,24,26,28				200	2	2	
3	RV SITE 22	,23,25,27				200	2		
4	RV SITE 20	,1 <mark>9,</mark> 18				**150	2		
5	EX TRIPLE	SHELTER			200	2	2		
6	EX AMPHIT	HEATER		100 2					
7	SPARE					200	2	!	
8	SPARE					200	2		
9	SPARE					200	2	!	
10	SPARE					100		!	
11	SPARE					100	2	!	
12	SPARE					100	2	!	
13	SPARE					100	2	1	

APPROVED BY: DESIGN PROJ: 21219.000 CONST PROJ: AS NOTED 04-24-2023

FL-E-601 15 of 16

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

**REFERENCE NOTES:** 

1 EX PANELBOARD, POWER CONNECTION, UNISTRUT, AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO

2 EX BELOW GRADE DIRECT BURY WIRE TO BE CUT BACK AND REMOVED TO 1'-0" BELOW GRADE. EX BELOW

(3) EX UTILITY METER, METER POLE, AND ASSOCIATED

(4) EX UTILITY TRANSFORMER, EQUIPMENT BASE, AND ASSOCIATED WIRE AND CONDUIT TO REMAIN.

5 EX UTILITY SECTIONALIZER SWITCH, POWER CONNECTIONS, UNI-STRUT, AND EQUIPMENT PAD TO REMAIN. ALL EX WIRE AND CONDUIT TO BE TO REMAIN UNLESS NOTED OTHERWISE.

 $\langle$  6  $\rangle$  EX PANELBOARD, POWER CONNECTION, UNISTRUT, AND ALL ASSOCIATED ABOVE GRADE WIRE AND CONDUIT TO

 $\overline{\langle 7 \rangle}$  ex "T3" transformer and equipment base to be RELOCATED. REFER TO SOUTH LOOP - IMPROVMENT PLAN FOR NEW LOCATION. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.

 $\langle$  8 angle ex "P3" panelboard to be relocated, ex unistrut AND EQUIPMENT PAD SHOULD BE REMOVED. REFER TO SOUTH LOOP - IMPROVMENT PLAN FOR NEW LOCATION. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.

 $\langle 9 \rangle$  E/C to provide New Uni-Strut mounting STRUCTURE. REFER TO UNI-STRUT MOUNTING DETAIL

 $raket{10}$  EX UTILITY METER TO BE RELOCATED. REFER TO SOUTH LOOP - IMPROVMENT PLAN FOR NEW LOCATION. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.

(11) RELOCATE EX PANELBOARD.

(12) RELOCATE EX UTILITY METER.

### FEEDER SCHEDULE:

1 EX UTILITY PRIMARY FEEDER WIRE AND CONDUIT TO

2 EX UTILITY GROUND WIRE AND CONDUIT TO BE

(3) EX MAIN SERVICE FEEDER WIRE AND CONDUIT TO BE

4 EX MAIN SERVICE GROUND WIRE AND CONDUIT TO

(6) EX UNDERGROUND DIRECT BURY MAIN FEEDER TO

REMAIN AND BE ABANDONED IN PLACE.

(7) EX UNDERGROUND DIRECT BURY BRANCH FEEDER TO REMAIN AND BE ABANDONED IN PLACE.

(8) UTILITY TO PROVIDE PRIMARY FEEDERS, ASSOCIATED CONDUIT AND TRENCHING. E/C TO COORDINATE WITH

(9) EX UTILITY GROUND WIRE AND CONDUIT TO REMAIN.

10 EX UNDERGROUND DIRECT BURY MAIN FEEDER WIRE

(11) EX BRANCH FEEDERS TO REMAIN.

(12) EX MAIN SERVICE GROUND WIRE AND CONDUIT TO BE

13) UTILITY TO PROVIDE UTILITY METER WIRE AND CONDUIT. E/C TO COORDINATE WITH UTILITY.

(14) 3-350 IN EACH OF 4-3"C. (BASED ON COPPER)

(15) 1-3/0G IN 1"C. (BASED ON COPPER)

(16) UTILITY TO PROVIDE GROUND WIRE AND CONDUIT. E/C TO COORDINATE WITH UTILITY.

(17) 3-3/0 AND 1-6G IN 2"C. (BASED ON COPPER)

(18) 3-1/0 & 1-3G IN 1 1/2"C. (BASED ON COPPER)

(19) EX MAIN SERVICE FEEDER WIRE AND CONDUIT TO BE INTERCEPTED AND EXTENDED TO NEW "T3" LOCATION. UTILITY TO PROVIDE PRIMARY FEEDERS, ASSOCIATED CONDUIT AND TRENCHING. E/C TO COORDINATE WITH

(20) 3-1 AND 1-8G IN 1 1/2"C. (BASED ON COPPER)

(21) 3-350 IN EACH OF 3-3"C. (BASED ON COPPER)

(22) 1-3/0G IN 1"C. (BASED ON COPPER)

24) 2 SETS OF 3-300 DIRECT BURY CABLE WITH 300G. (BASED ON COPPER)

VAN DUYNE

DIAGRAMS

ECTRICAL I FORT ABRA

AWN BY: SDM PPROVED BY: MSV ESIGN PROJ: 21219.000 ONST PROJ: AS NOTED

> 04-24-2023 **FL-E-602**