



# EMPLOYEE PARKING RELOCATION PHASE 5

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
 MEMPHIS, TENNESSEE  
 MSCAA PROJECT #: 22-1459-05

**IFB PLANS**  
**MARCH 2026**

EMPLOYEE PARKING RELOCATION PHASE 5  
 MEMPHIS INTERNATIONAL AIRPORT

### UTILITY AND EMERGENCY TELEPHONE NUMBERS

MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY (MSCAA) - MEMPHIS, TENNESSEE  
 EMERGENCIES (901) 922-8333  
 AIRPORT COMMUNICATION CENTER (901) 922-8298  
 MSCAA OPERATIONS (901) 922-8117  
 FAA AIR TRAFFIC CONTROL TOWER (901) 842-8400  
 TENNESSE CALL BEFORE YOU DIG (BUD) 811

### OWNER CONTACT INFORMATION

BRIAN TENKHOFF, PE  
 DIRECTOR OF DEVELOPMENT  
 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY (MSCAA)  
 2491 WINCHESTER ROAD, SUITE 113  
 MEMPHIS, TN 38116-3856  
 (901) 922-2297

### ENGINEER CONTACT INFORMATION

JOSH MANN, PE - LEAD CIVIL ENGINEER  
 FOTH INFRASTRUCTURE & ENVIRONMENT, LLC  
 5100 POPLAR AVENUE CLARK TOWER, SUITE 2709A  
 MEMPHIS, TN 38137  
 (515) 322-0069

### PROPERTY ADDRESS

MEMPHIS INTERNATIONAL AIRPORT  
 2491 WINCHESTER ROAD  
 MEMPHIS, TENNESSEE 38116

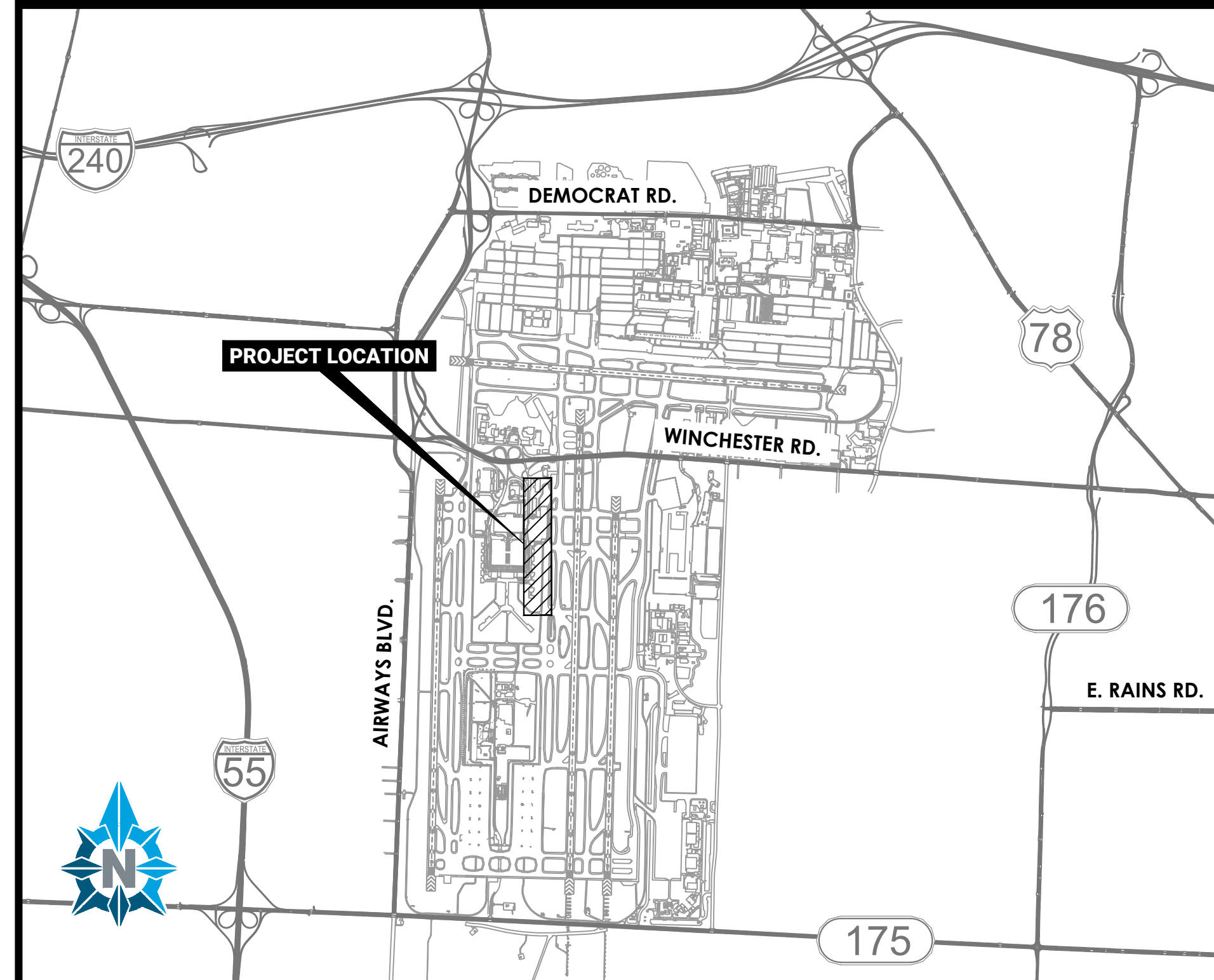
### UTILITY NOTES

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

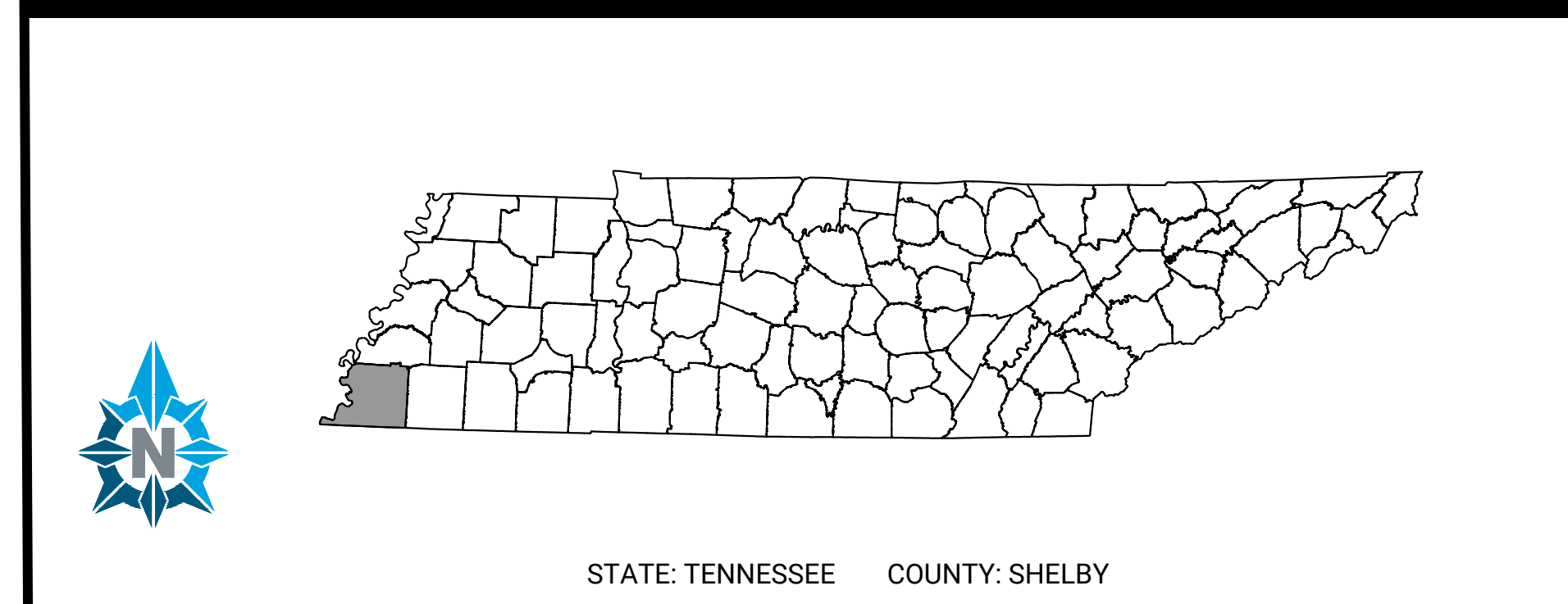
THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT (800) 351-1111 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT. THE CONTRACTOR MUST ALSO CONTACT THE AIRPORT AND THE FAA AT LEAST 48 HOURS IN ADVANCE FOR LOCATES.

UTILITY CONFLICTS DISCOVERED DURING CONSTRUCTION WILL BE ADDRESSED AT THE TIME OF DISCOVERY.

### LOCATION MAP



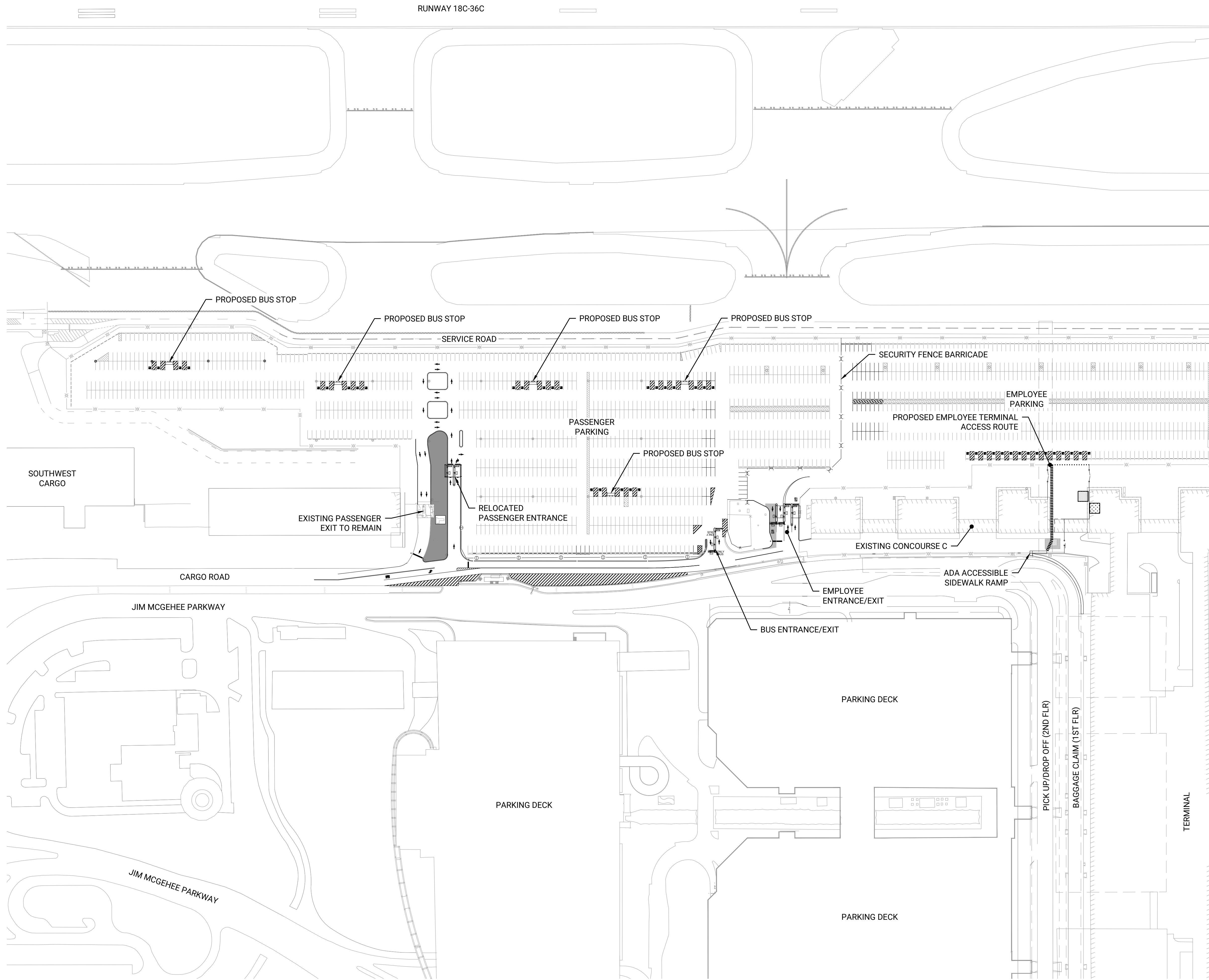
### STATE & COUNTY LOCATION



### INDEX OF SHEETS

SHEET NO.	SHEET TITLE
GI001	COVER SHEET
GI002	PROJECT OVERVIEW
GI003	SUMMARY OF QUANTITIES
GC001	SAFETY & PHASING - NOTES
GC100	SAFETY & PHASING PLAN - OVERVIEW
GC101	SAFETY & PHASING PLAN - PHASE 1
GC102	SAFETY & PHASING PLAN - PHASE 2
GC103	SAFETY & PHASING PLAN - PHASE 3
GC104	SAFETY & PHASING PLAN - PHASE 4
GC105	SAFETY & PHASING PLAN - PHASE 5
GC106	SAFETY & PHASING PLAN - PHASE 6
CD001	DEMOLITION PLAN - GEOMETRIC DATA
CD101	DEMOLITION PLAN (1 OF 2)
CD102	DEMOLITION PLAN (2 OF 2)
CI001	CIVIL LAYOUT - GEOMETRIC DATA
CI101	CIVIL LAYOUT PLAN (1 OF 2)
CI102	CIVIL LAYOUT PLAN (2 OF 2)
CK501 - CK515	CIVIL DETAILS
E0.1 - E0.2	ELECTRICAL NOTES & DETAILS
E1.1 - E1.2	ELECTRICAL DEMOLITION PLAN
E2.1 - E2.3	ELECTRICAL INSTALLATION PLAN
E3.1 - E4.1	POWER & COMMUNICATIONS PLAN
TD101	TELECOMMUNICATIONS REMOVALS (1 OF 2)
TD102	TELECOMMUNICATIONS REMOVALS (2 OF 2)
TI101	TELECOMMUNICATIONS LAYOUT (1 OF 2)
TI102	TELECOMMUNICATIONS LAYOUT (2 OF 2)
TI200	TELECOMMUNICATIONS DETAILS





LEGEND	
	ASPHALT PAVEMENT (EXIST)
	ASPHALT PAVEMENT (PROP)
	CONCRETE MISC. (PROP)
	ADA LOAD ZONE (EXIST)
	ADA LOAD ZONE (PROP)
	EXTRUDED CURB (EXIST)
	EXTRUDED CURB (PROP)
	CURB STOP (EXIST)
	CURB STOP (PROP)
	MARKING (EXIST)
	MARKING (PROP)
	ADA PARKING SYMBOL (EXIST)
	ADA PARKING SYMBOL (PROP)
	AOA FENCE (EXIST)
	AOA FENCE (PROP)
	SECURITY FENCE (EXIST)
	SECURITY FENCE (PROP)
	BARRICADE FENCE (PROP)
	ORNAMENTAL FENCE (PROP)
	LIGHT POLE (EXIST)
	LIGHT POLE (PROP)

PREPARED FOR:

PREPARED BY:

Foth Infrastructure & Environment, LLC  
 5100 Poplar Ave., Clark Tower, Suite 2709A  
 Memphis, TN 38137  
 Phone (901) 497-2500

KEY MAP:

NO	DATE	BY	REVISION DESCRIPTION

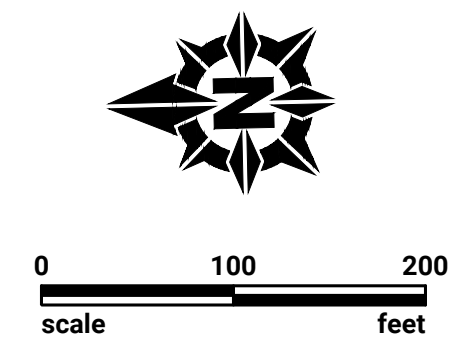
**EMPLOYEE PARKING RELOCATION PHASE 5**  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY

**PROJECT OVERVIEW**

MEMPHIS, TENNESSEE

CAD FILE: C:\pwr\_workdir\pwr\_ie\ed814586\MEM\_SHT\_PH 5\_GI002.dwg

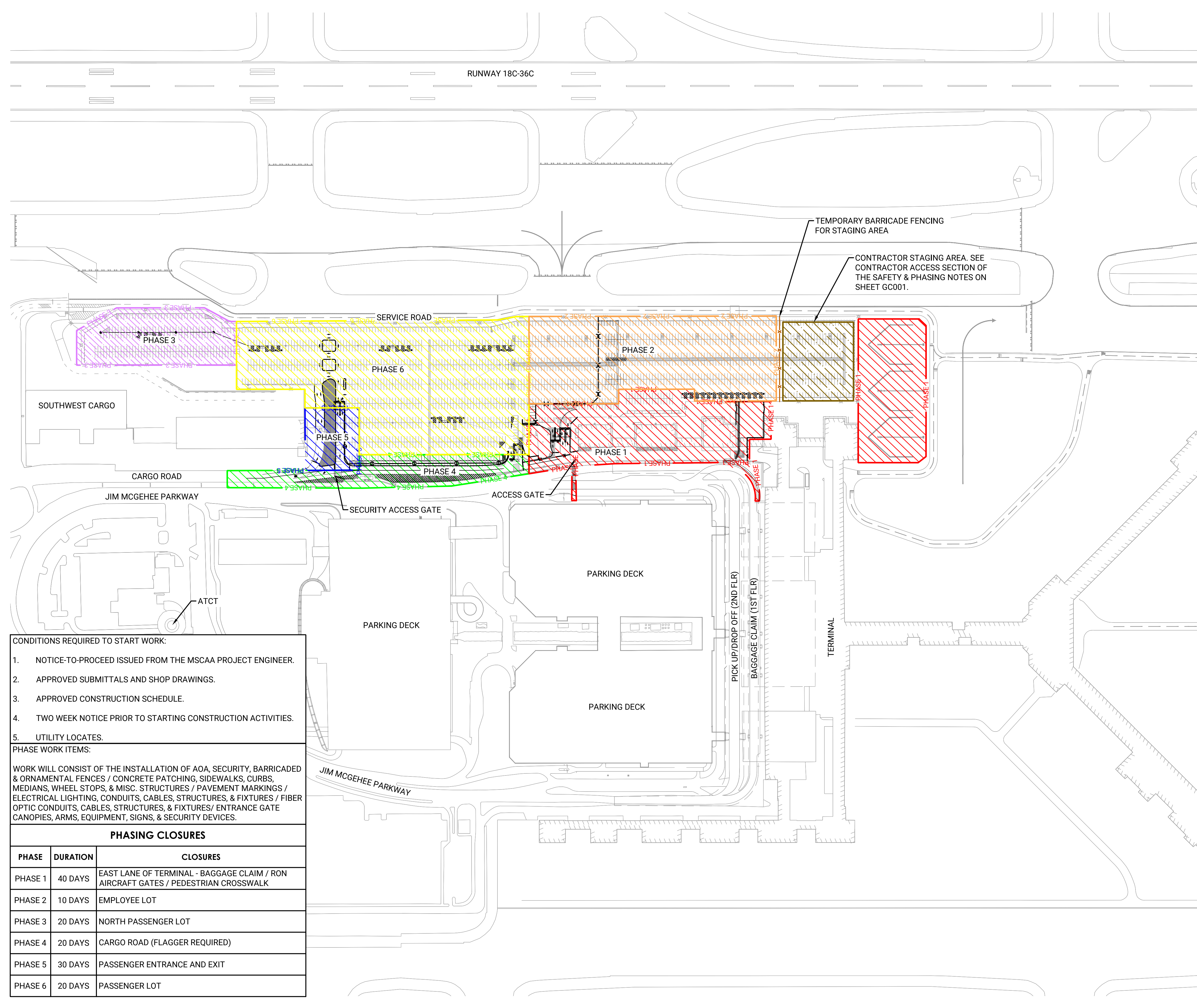
APPROVED BY:



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO. <b>GI002</b>	







**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- TEMPORARY FENCE
- TRAFFIC CHANNELING

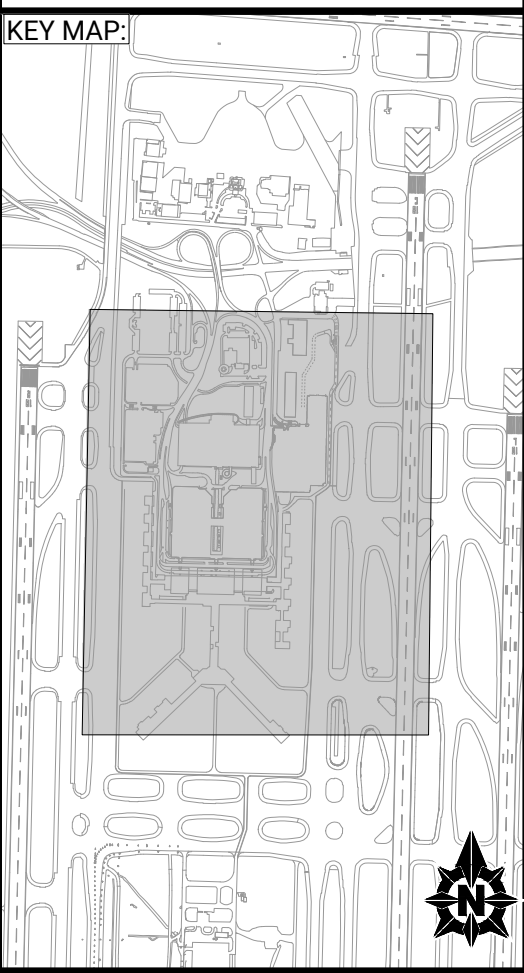
1. THE CONTRACTOR MUST COMPLETE THE PROJECT WITHIN 140 CALENDAR DAYS.
2. A CALENDAR DAY IS DEFINED AS ANY DAY ON THE CALENDAR. IT INCLUDES SATURDAYS, SUNDAYS, HOLIDAYS, AND NON-WORK DAYS. CONTRACT TIME BASED ON CALENDAR DAYS WILL BEGIN ON THE EFFECTIVE DATE IN THE NOTICE TO PROCEED.
3. NIGHTTIME OPERATIONS ARE NOT ANTICIPATED ON THIS PROJECT.
4. LIQUIDATED DAMAGES WILL BE ASSESSED FOR THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS. CONTRACT TIME FOR INDIVIDUAL PHASES AND SUB-PHASES WILL BE SUBJECT TO LIQUIDATED DAMAGES.
5. ALL PHASES AND/OR SUB-PHASES ARE TO BE COMPLETED AS DESCRIBED ON THIS SHEET. IF THE CONTRACTOR WISHES TO COMBINE PHASES OTHER THAN AS NOTED BELOW, THEY MUST FIRST COORDINATE WITH AND OBTAIN WRITTEN APPROVAL FROM THE MSCAA PROJECT ENGINEER.
6. (INCLUDE IF NEEDED) PHASING AND SUB-PHASING LIMITS SHOWN ARE APPROXIMATE. ANY PROPOSED CHANGES OR DEVIATIONS TO THE PHASE AND/OR SUB-PHASE WORK AREAS OR DURATIONS MUST HAVE PRIOR COORDINATION AND APPROVAL FROM THE MSCAA PROJECT ENGINEER. ADDITIONAL BARRICADES MAY BE NEEDED TO ACCOMMODATE CHANGES TO PHASING AND WORK AREAS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE ADDITIONAL REQUIRED BARRICADES.
7. THE CONTRACTOR MUST COORDINATE ALL OPERATIONS WITH THE MSCAA PROJECT ENGINEER AND MUST SUBMIT A PROPOSED SCHEDULE AT LEAST FIVE (5) CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION MEETING. THE SCHEDULE MUST BE UPDATED ON A WEEKLY BASIS PRIOR TO SCHEDULING PROGRESS MEETINGS.
8. THE MSCAA PROJECT ENGINEER MUST BE PROVIDED A MINIMUM OF 48 HOURS NOTICE TO ANY WORK DAY TO ALLOW FOR SCHEDULING OF PERSONNEL FOR OBSERVATION AND TESTING.
9. STAGING AREAS SHOWN ON THE PLANS ARE APPROXIMATE. THE MSCAA PROJECT ENGINEER WILL DETERMINE THE FINAL LOCATION AND SIZE IN THE FIELD. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND SECURITY OF THEIR MATERIALS.
10. PHASE 6 INCLUDES BUS SHELTER INSTALLATION AND MARKINGS IN ISOLATED AREAS. THE CONTRACTOR MUST ISOLATE AN AREA WITH CONES. ONCE THE AREA IS CLEAR OF CARS, THE CONTRACTOR MAY COMPLETE THE WORK IN THAT ISOLATED AREA. ALL WORK IN THAT AREA MUST BE COMPLETED BEFORE MOVING ON TO THE NEXT AREA. IF PERMITTED BY MSCAA, THE CONTRACTOR MAY BE ABLE TO PUT CONES IN THE NEXT AREA OF WORK WHILE THEY FINISH AN AREA TO ENSURE THAT VEHICLES ARE GONE WHEN THEY ARE READY TO SHIFT AREAS.
11. THE EXISTING ENTRANCE AND EXIT PLAZA MUST REMAIN OPEN DURING ALL PHASES EXCEPT PHASE 5. TRAFFIC CONTROL MODIFICATIONS MAY BE NECESSARY TO ALLOW FOR WORK TO BE COMPLETED WHILE MAINTAINING ACCESS.

- CONDITIONS REQUIRED TO START WORK:**
1. NOTICE-TO-PROCEED ISSUED FROM THE MSCAA PROJECT ENGINEER.
  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
  5. UTILITY LOCATES.

**PHASE WORK ITEMS:**

WORK WILL CONSIST OF THE INSTALLATION OF AOA, SECURITY, BARRICADED & ORNAMENTAL FENCES / CONCRETE PATCHING, SIDEWALKS, CURBS, MEDIANS, WHEEL STOPS, & MISC. STRUCTURES / PAVEMENT MARKINGS / ELECTRICAL LIGHTING, CONDUITS, CABLES, STRUCTURES, & FIXTURES / FIBER OPTIC CONDUITS, CABLES, STRUCTURES, & FIXTURES/ ENTRANCE GATE CANOPIES, ARMS, EQUIPMENT, SIGNS, & SECURITY DEVICES.

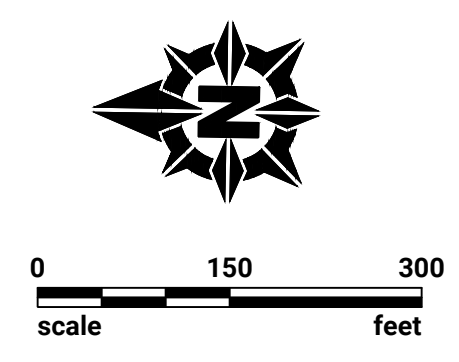
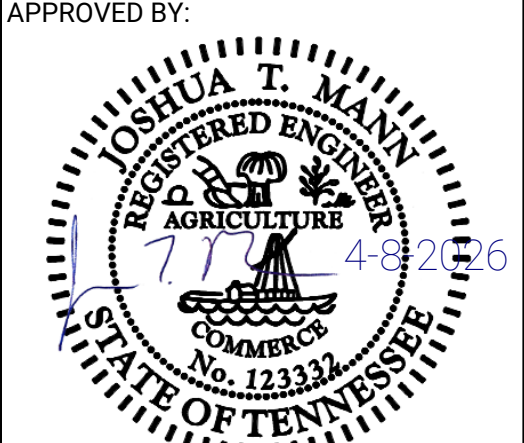
PHASING CLOSURES		
PHASE	DURATION	CLOSURES
PHASE 1	40 DAYS	EAST LANE OF TERMINAL - BAGGAGE CLAIM / RON AIRCRAFT GATES / PEDESTRIAN CROSSWALK
PHASE 2	10 DAYS	EMPLOYEE LOT
PHASE 3	20 DAYS	NORTH PASSENGER LOT
PHASE 4	20 DAYS	CARGO ROAD (FLAGGER REQUIRED)
PHASE 5	30 DAYS	PASSENGER ENTRANCE AND EXIT
PHASE 6	20 DAYS	PASSENGER LOT



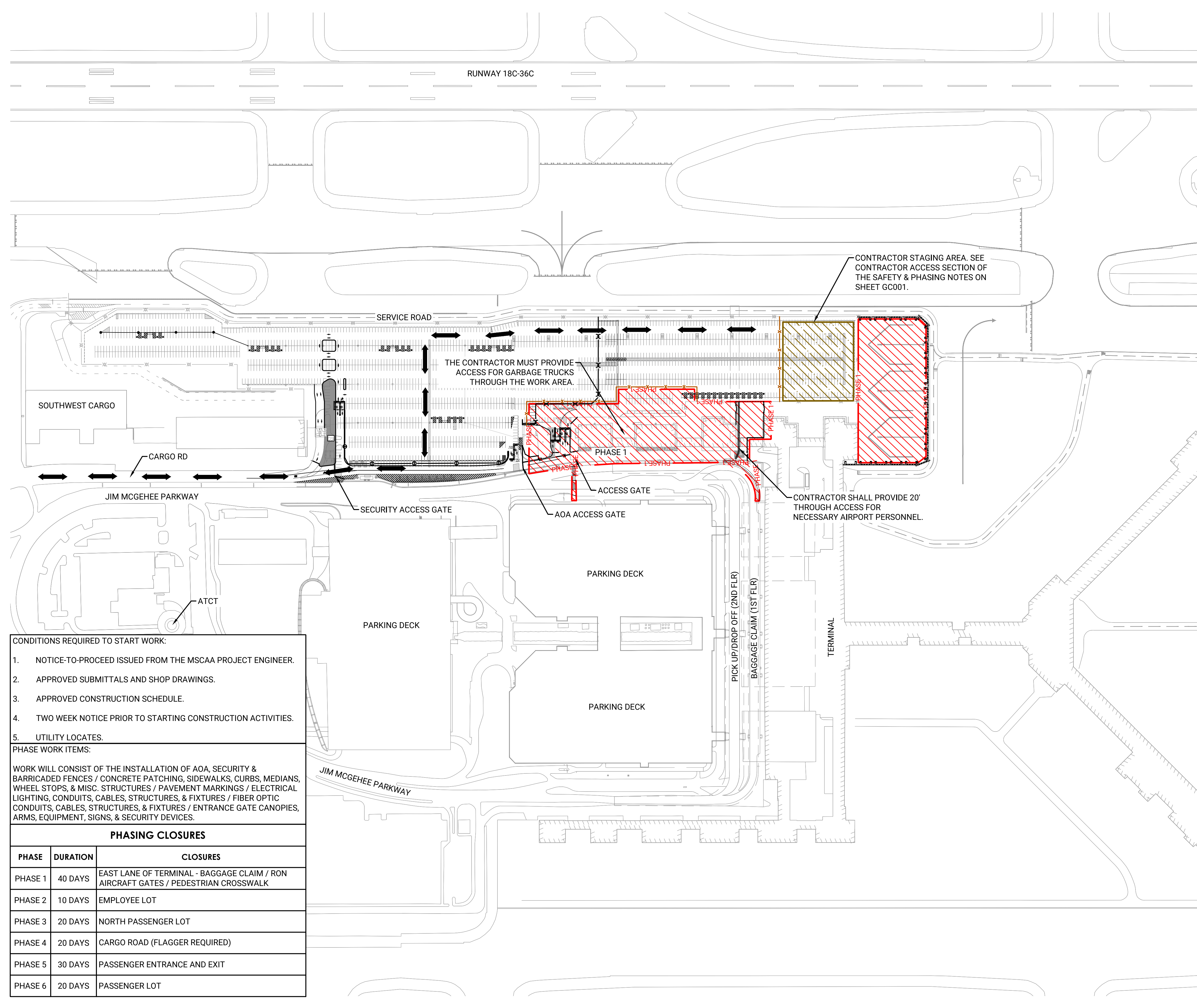
NO	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION PHASE 5  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
SAFETY & PHASING PLAN - OVERVIEW  
MEMPHIS, TENNESSEE

CAD FILE: C:\pwr\_work\kdr\pwr\_ie\cd814586\MEM\_SHT\_PH 5\_GC401.dwg



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. GC100
PROJECT NO: 24M301.04		

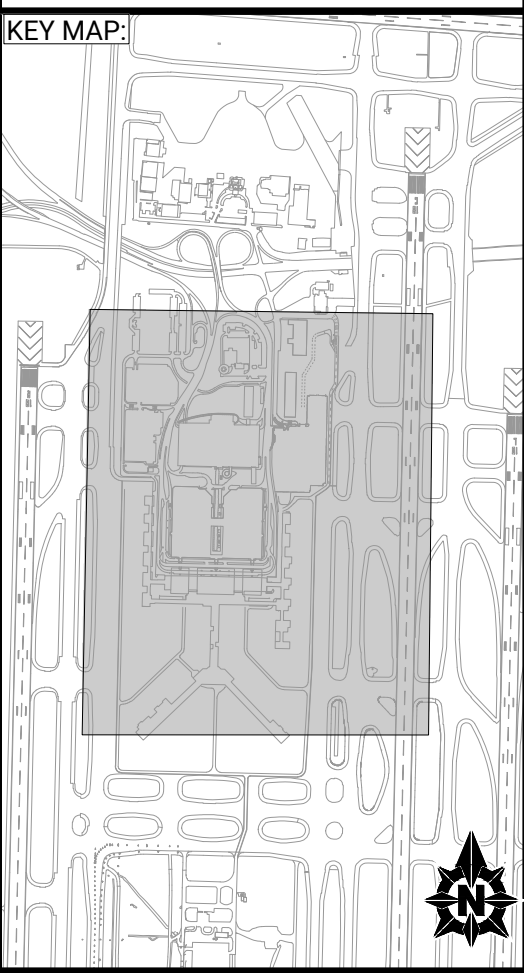


**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING
- LOW PROFILE BARRICADE

PREPARED FOR:

PREPARED BY:  
  
 Foth Infrastructure & Environment, LLC  
 5100 Poplar Ave., Clark Tower, Suite 2709A  
 Memphis, TN 38117  
 Phone (901) 497-2500



- CONDITIONS REQUIRED TO START WORK:**
1. NOTICE-TO-PROCEED ISSUED FROM THE MSCAA PROJECT ENGINEER.
  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
  5. UTILITY LOCATES.

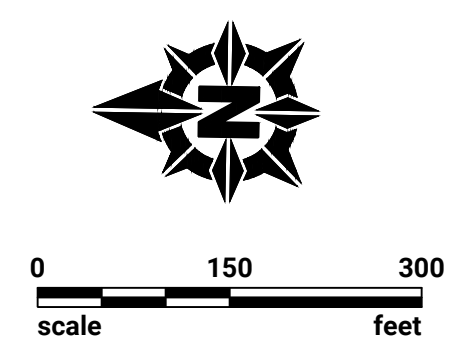
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PHASING CLOSURES		
PHASE	DURATION	CLOSURES
PHASE 1	40 DAYS	EAST LANE OF TERMINAL - BAGGAGE CLAIM / RON AIRCRAFT GATES / PEDESTRIAN CROSSWALK
PHASE 2	10 DAYS	EMPLOYEE LOT
PHASE 3	20 DAYS	NORTH PASSENGER LOT
PHASE 4	20 DAYS	CARGO ROAD (FLAGGER REQUIRED)
PHASE 5	30 DAYS	PASSENGER ENTRANCE AND EXIT
PHASE 6	20 DAYS	PASSENGER LOT

NO	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION PHASE 5  
 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
 SAFETY & PHASING PLAN - PHASE 1  
 MEMPHIS, TENNESSEE  
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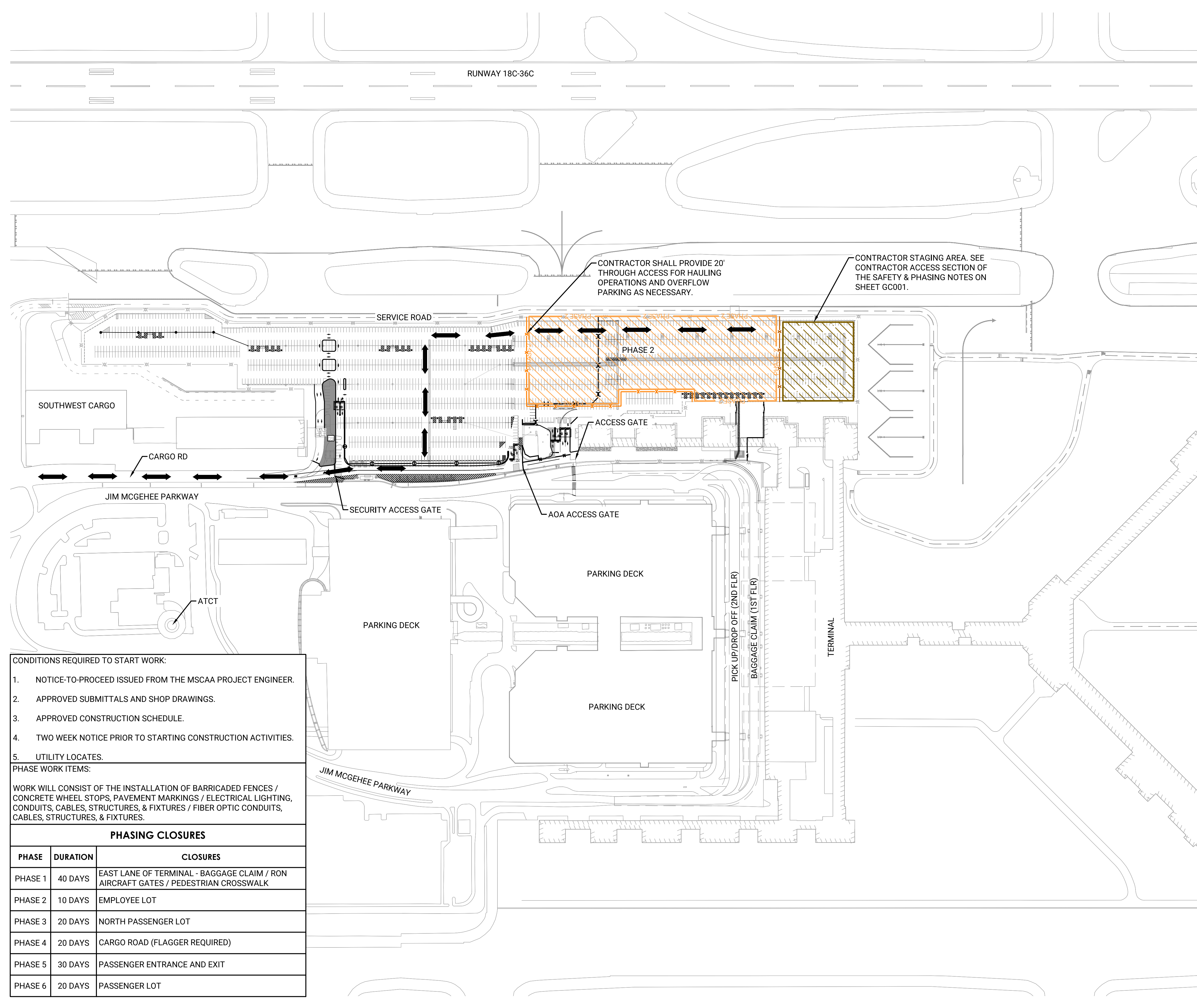
APPROVED BY:



DESIGNED: ACJ  
 LETTING DATE:  
 PROJECT NO: 24M301.04

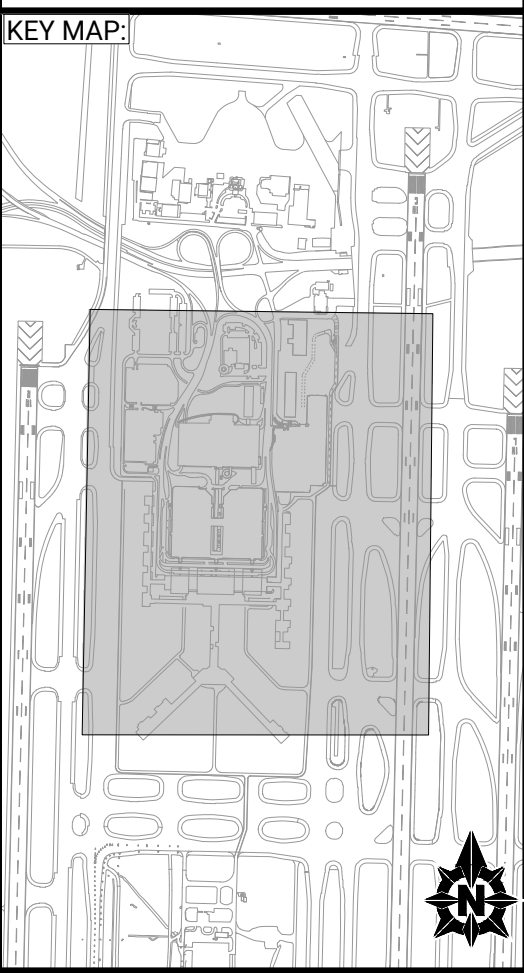
DRAWN: NCR  
 PRINT DATE: 4/8/2026  
 SHEET NO: GC101

CHECKED: WUH  
 SHEET NO: GC101



**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING



- CONDITIONS REQUIRED TO START WORK:**
1. NOTICE-TO-PROCEED ISSUED FROM THE MSCAA PROJECT ENGINEER.
  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
  5. UTILITY LOCATES.

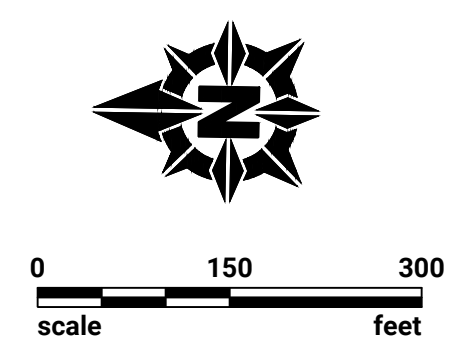
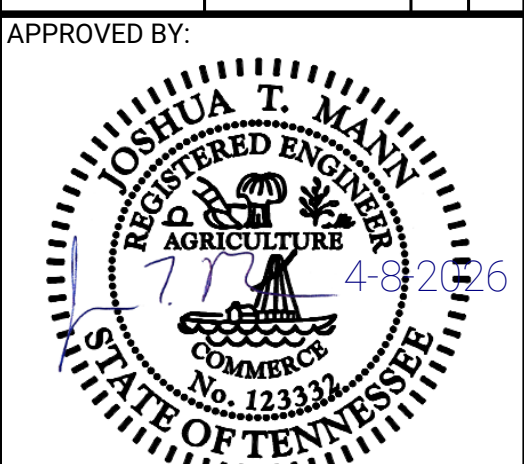
**PHASE WORK ITEMS:**

WORK WILL CONSIST OF THE INSTALLATION OF BARRICADED FENCES / CONCRETE WHEEL STOPS, PAVEMENT MARKINGS / ELECTRICAL LIGHTING, CONDUITS, CABLES, STRUCTURES, & FIXTURES / FIBER OPTIC CONDUITS, CABLES, STRUCTURES, & FIXTURES.

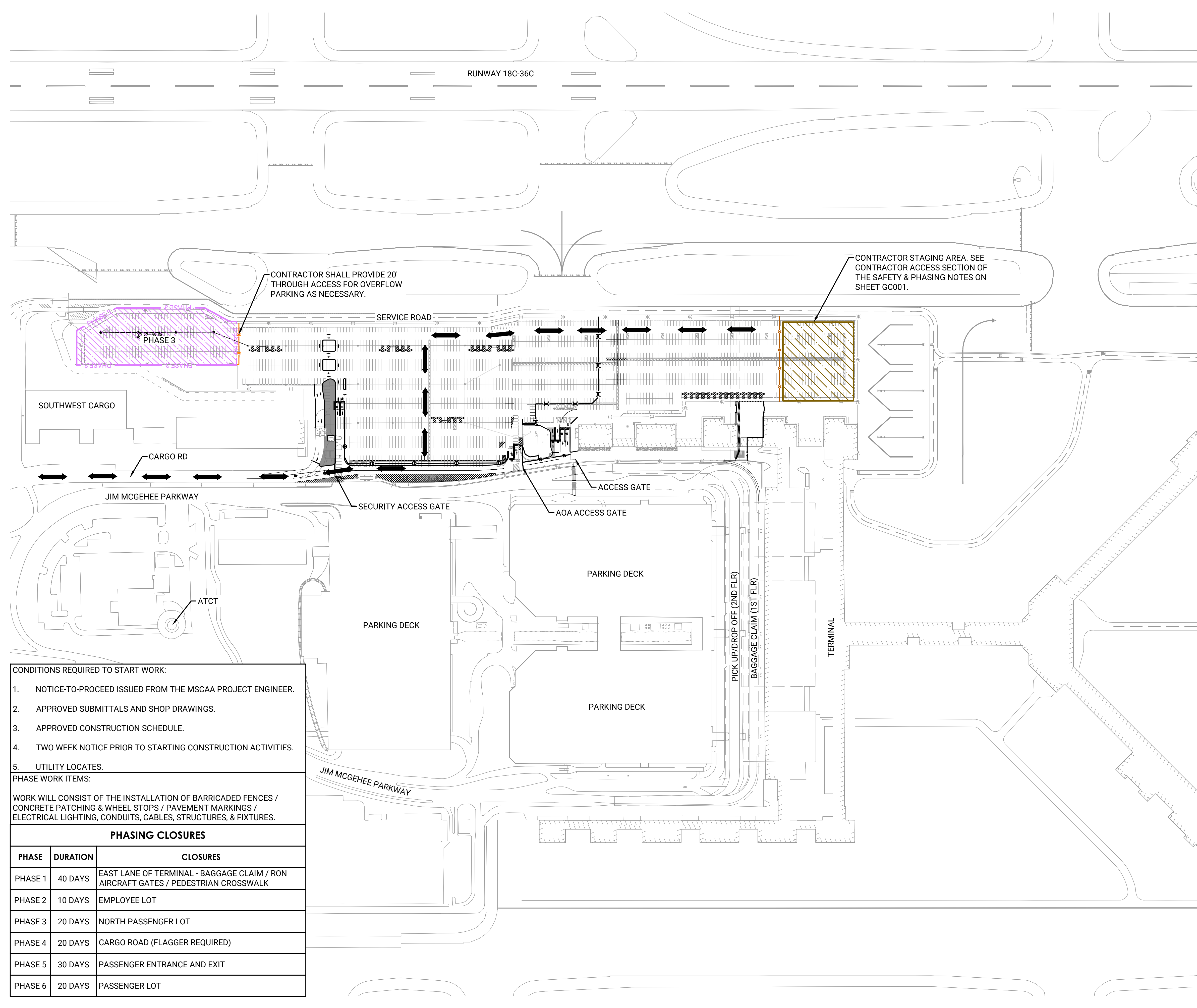
PHASING CLOSURES		
PHASE	DURATION	CLOSURES
PHASE 1	40 DAYS	EAST LANE OF TERMINAL - BAGGAGE CLAIM / RON AIRCRAFT GATES / PEDESTRIAN CROSSWALK
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PHASE 3	20 DAYS	NORTH PASSENGER LOT
PHASE 4	20 DAYS	CARGO ROAD (FLAGGER REQUIRED)
PHASE 5	30 DAYS	PASSENGER ENTRANCE AND EXIT
PHASE 6	20 DAYS	PASSENGER LOT

NO	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
**SAFETY & PHASING PLAN - PHASE 2**  
MEMPHIS, TENNESSEE  
CAD FILE: C:\pwr\_work\kdr\pwr\_ie\cd814586\MEM\_SHT\_PH 5\_GC401.dwg



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. GC102
PROJECT NO: 24M301.04		



CONTRACTOR SHALL PROVIDE 20' THROUGH ACCESS FOR OVERFLOW PARKING AS NECESSARY.

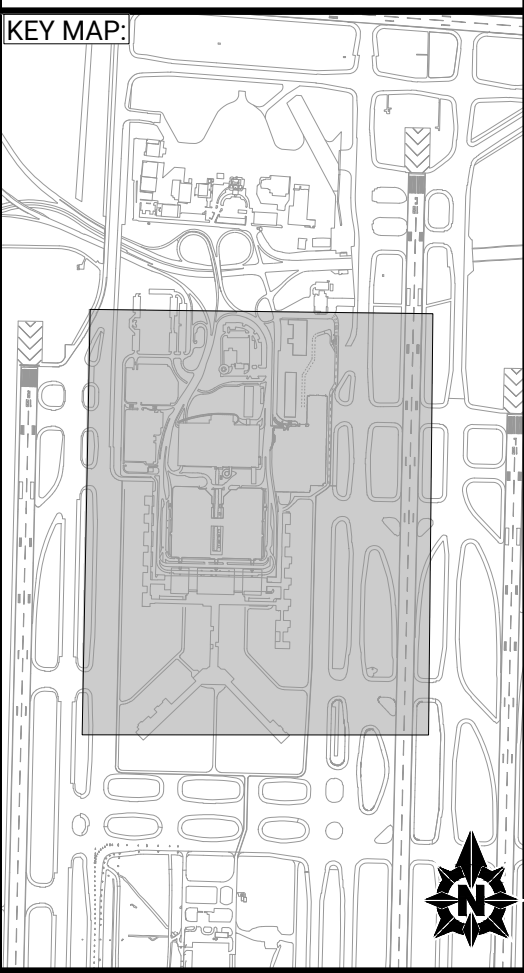
CONTRACTOR STAGING AREA. SEE CONTRACTOR ACCESS SECTION OF THE SAFETY & PHASING NOTES ON SHEET GC001.

**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING



PREPARED BY:  
**Foth**  
 Foth Infrastructure & Environment, LLC  
 5100 Poplar Ave., Clark Tower, Suite 2709A  
 Memphis, TN 38117  
 Phone (901) 497-2500



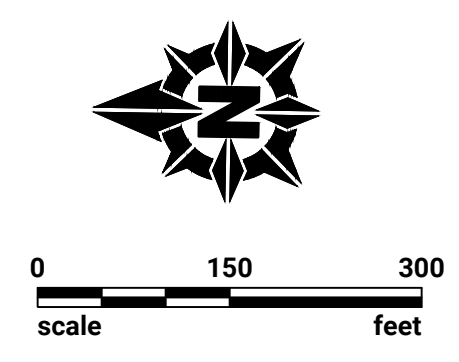
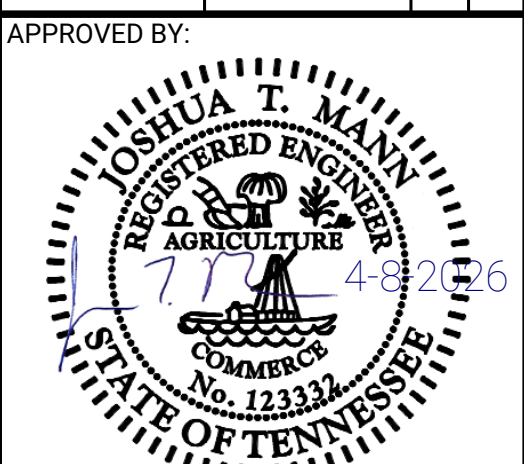
- CONDITIONS REQUIRED TO START WORK:**
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  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
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**PHASE WORK ITEMS:**  
 WORK WILL CONSIST OF THE INSTALLATION OF BARRICADED FENCES / CONCRETE PATCHING & WHEEL STOPS / PAVEMENT MARKINGS / ELECTRICAL LIGHTING, CONDUITS, CABLES, STRUCTURES, & FIXTURES.

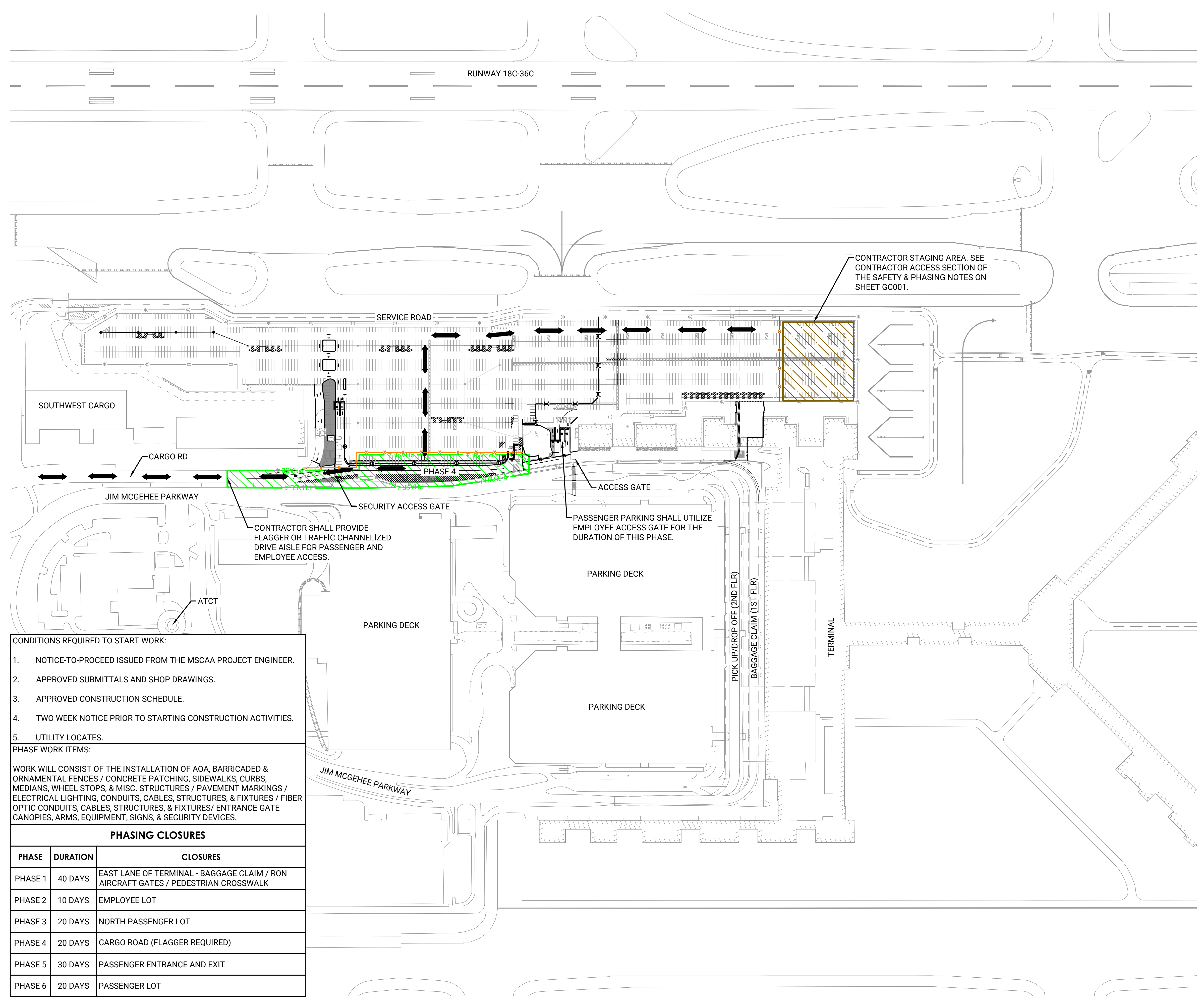
PHASING CLOSURES		
PHASE	DURATION	CLOSURES
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PHASE 6	20 DAYS	PASSENGER LOT

NO	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
**SAFETY & PHASING PLAN - PHASE 3**  
 MEMPHIS, TENNESSEE  
 CAD FILE: C:\pwr\_work\kdr\pwr\_ie\d814586\MEM\_SHT\_PH 5\_GC001.dwg



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. GC103
PROJECT NO: 24M301.04		



**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING

CONTRACTOR STAGING AREA. SEE CONTRACTOR ACCESS SECTION OF THE SAFETY & PHASING NOTES ON SHEET GC001.

CONTRACTOR SHALL PROVIDE FLAGGER OR TRAFFIC CHANNELIZED DRIVE AISLE FOR PASSENGER AND EMPLOYEE ACCESS.

PASSENGER PARKING SHALL UTILIZE EMPLOYEE ACCESS GATE FOR THE DURATION OF THIS PHASE.

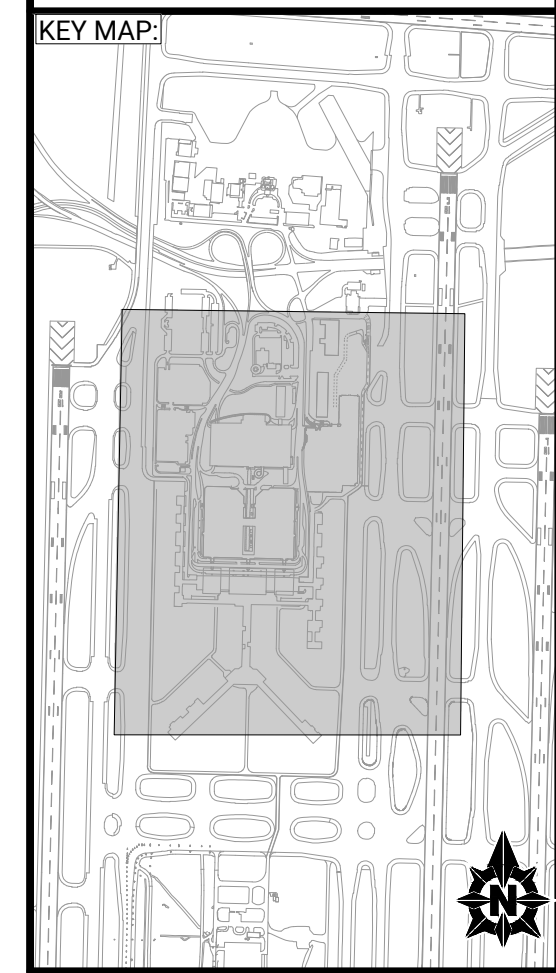
**CONDITIONS REQUIRED TO START WORK:**

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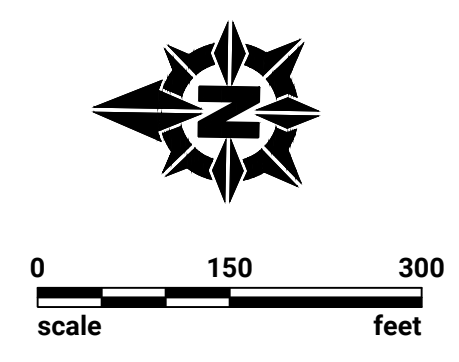
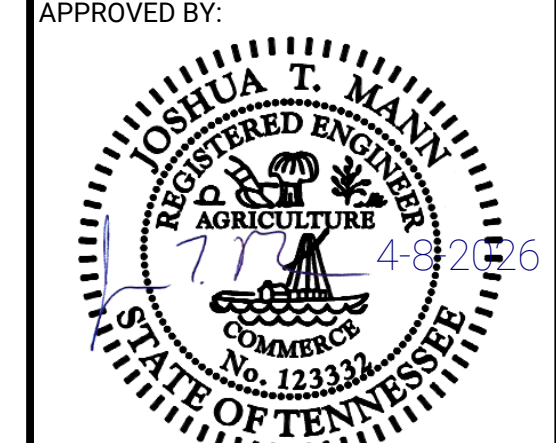


NO	DATE	BY	REVISION DESCRIPTION

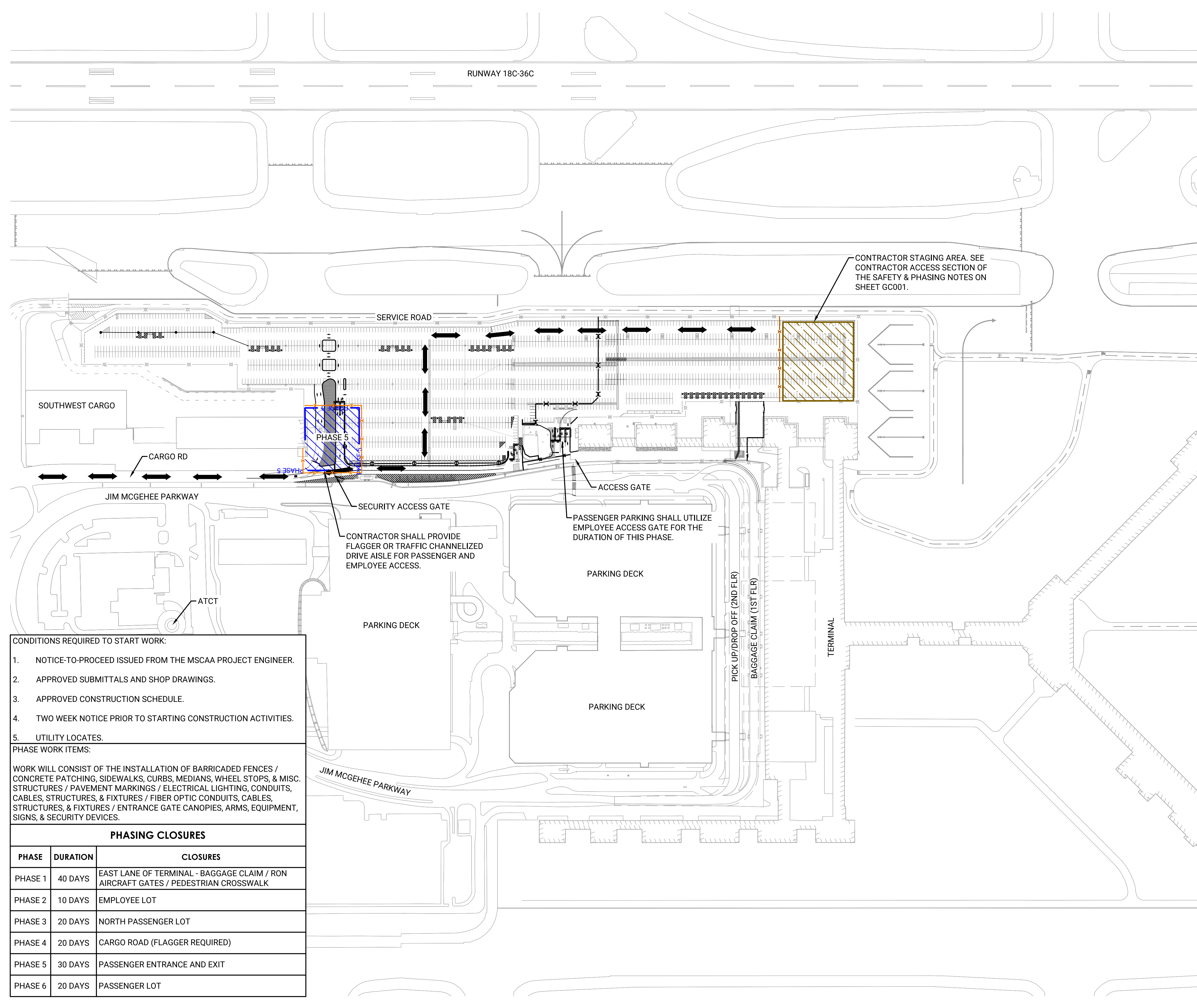
**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

**SAFETY & PHASING PLAN - PHASE 4**  
MEMPHIS, TENNESSEE

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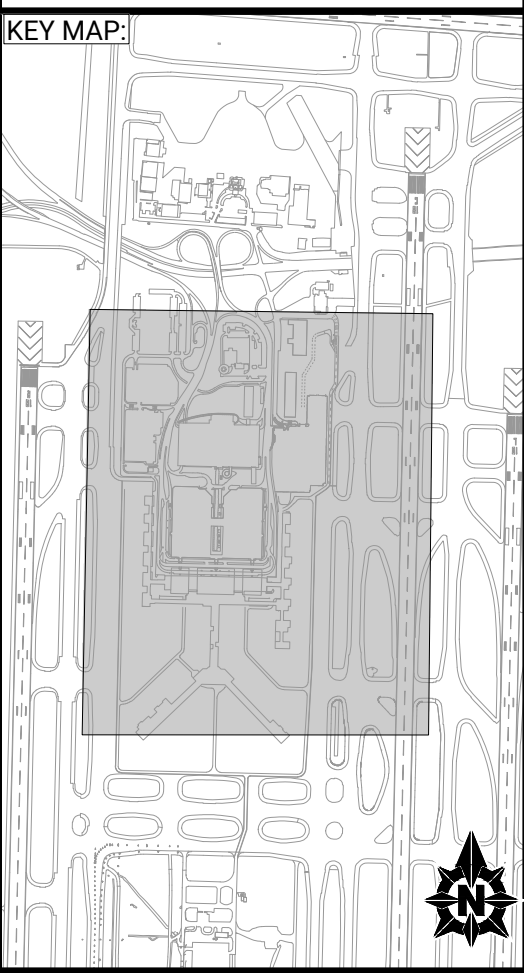


DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. GC104
PROJECT NO: 24M301.04		



**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING



- CONDITIONS REQUIRED TO START WORK:**
1. NOTICE-TO-PROCEED ISSUED FROM THE MSCAA PROJECT ENGINEER.
  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
  5. UTILITY LOCATES.

**PHASE WORK ITEMS:**

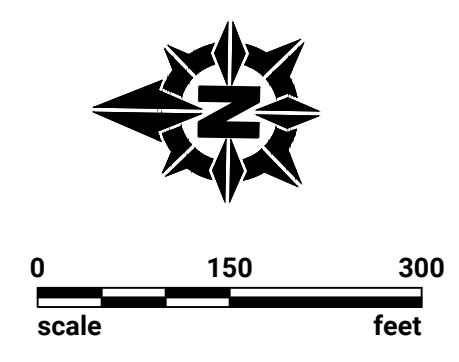
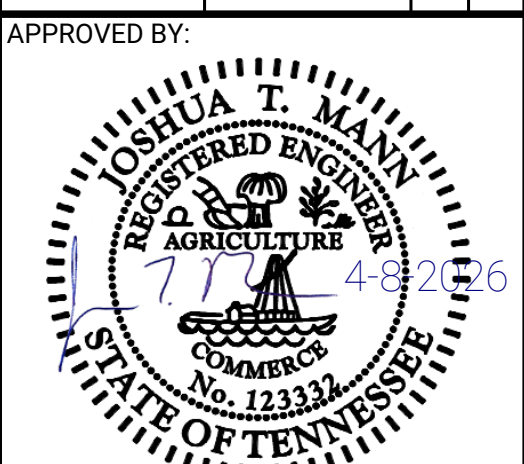
WORK WILL CONSIST OF THE INSTALLATION OF BARRICADED FENCES / CONCRETE PATCHING, SIDEWALKS, CURBS, MEDIANS, WHEEL STOPS, & MISC. STRUCTURES / PAVEMENT MARKINGS / ELECTRICAL LIGHTING, CONDUITS, CABLES, STRUCTURES, & FIXTURES / FIBER OPTIC CONDUITS, CABLES, STRUCTURES, & FIXTURES / ENTRANCE GATE CANOPIES, ARMS, EQUIPMENT, SIGNS, & SECURITY DEVICES.

PHASING CLOSURES		
PHASE	DURATION	CLOSURES
PHASE 1	40 DAYS	EAST LANE OF TERMINAL - BAGGAGE CLAIM / RON AIRCRAFT GATES / PEDESTRIAN CROSSWALK
PHASE 2	10 DAYS	EMPLOYEE LOT
PHASE 3	20 DAYS	NORTH PASSENGER LOT
PHASE 4	20 DAYS	CARGO ROAD (FLAGGER REQUIRED)
PHASE 5	30 DAYS	PASSENGER ENTRANCE AND EXIT
PHASE 6	20 DAYS	PASSENGER LOT

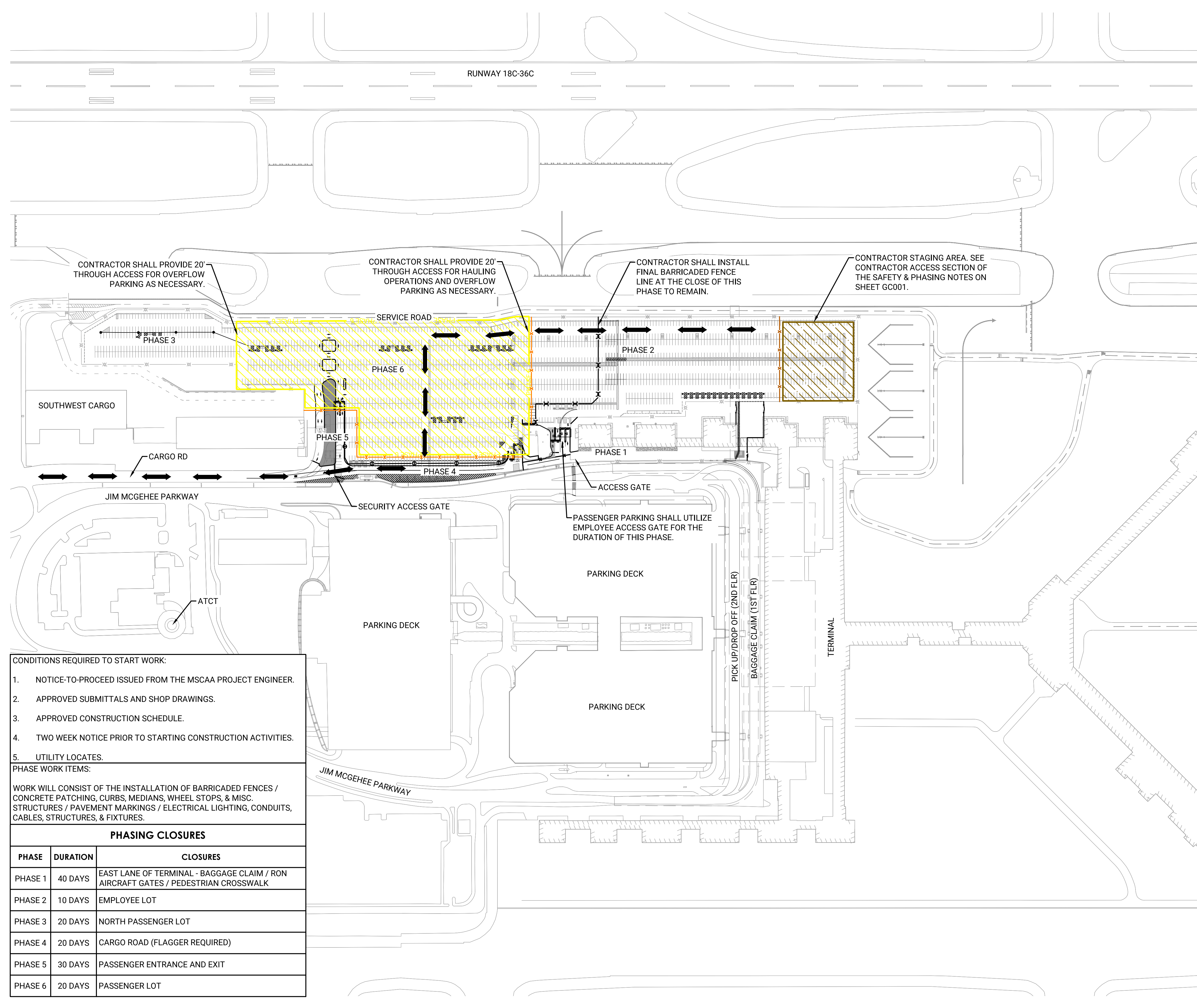
NO	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION PHASE 5  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
SAFETY & PHASING PLAN - PHASE 5  
MEMPHIS, TENNESSEE

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DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO: GC105	



**LEGEND**

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- STAGING AREA
- HAUL ROUTE
- TRAFFIC ROUTE
- TEMPORARY FENCE
- TRAFFIC CHANNELING

PREPARED FOR:

PREPARED BY:

Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38117  
Phone (901) 497-2500

KEY MAP:

- CONDITIONS REQUIRED TO START WORK:**
1. NOTICE-TO-PROCEED ISSUED FROM THE MSCAA PROJECT ENGINEER.
  2. APPROVED SUBMITTALS AND SHOP DRAWINGS.
  3. APPROVED CONSTRUCTION SCHEDULE.
  4. TWO WEEK NOTICE PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
  5. UTILITY LOCATES.

**PHASE WORK ITEMS:**

WORK WILL CONSIST OF THE INSTALLATION OF BARRICADED FENCES / CONCRETE PATCHING, CURBS, MEDIANS, WHEEL STOPS, & MISC. STRUCTURES / PAVEMENT MARKINGS / ELECTRICAL LIGHTING, CONDUITS, CABLES, STRUCTURES, & FIXTURES.

PHASING CLOSURES		
PHASE	DURATION	CLOSURES
PHASE 1	40 DAYS	EAST LANE OF TERMINAL - BAGGAGE CLAIM / RON AIRCRAFT GATES / PEDESTRIAN CROSSWALK
PHASE 2	10 DAYS	EMPLOYEE LOT
PHASE 3	20 DAYS	NORTH PASSENGER LOT
PHASE 4	20 DAYS	CARGO ROAD (FLAGGER REQUIRED)
PHASE 5	30 DAYS	PASSENGER ENTRANCE AND EXIT
PHASE 6	20 DAYS	PASSENGER LOT

NO	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

**SAFETY & PHASING PLAN - PHASE 6**  
MEMPHIS, TENNESSEE

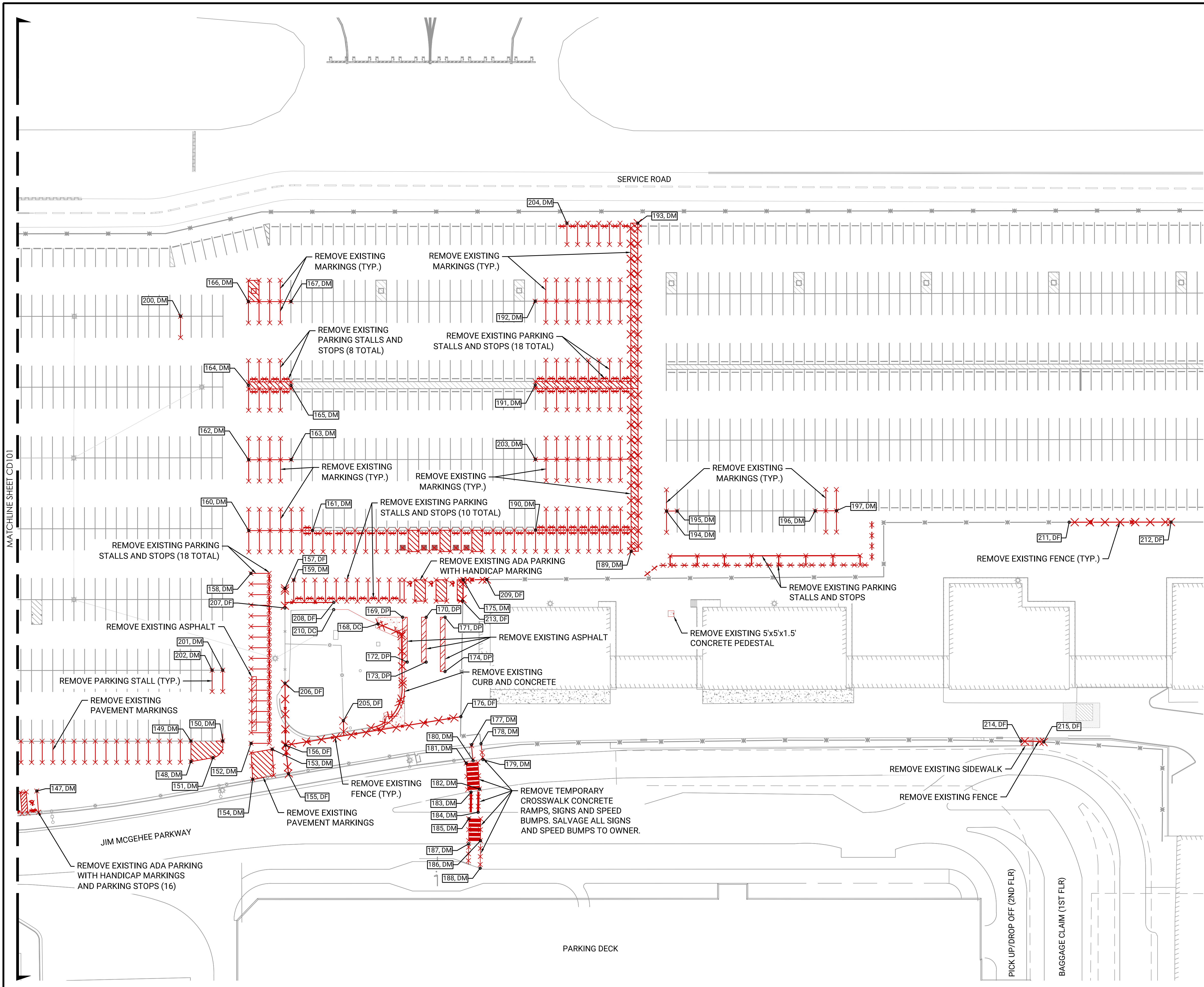
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APPROVED BY:

DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. GC106
PROJECT NO: 24M301.04		

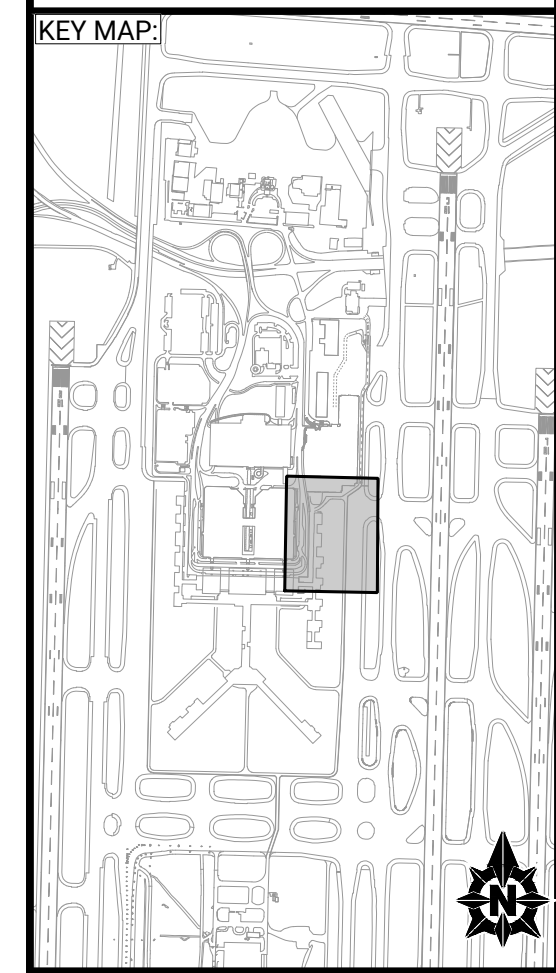






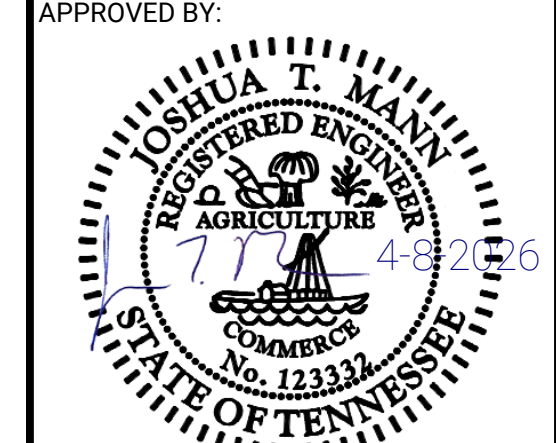
LEGEND	
	TERMINAL MARKING REMOVAL
	DEMOLITION AND REMOVAL
	CONCRETE REMOVAL
	ASPHALT REMOVAL
	AOA FENCE (EXIST)
	SECURITY FENCE (EXIST)
	PAVEMENT MARKINGS (EXIST)
	LIGHT POLE (EXIST)
	EXTRUDED CURB (EXIST)

- | NOTES |  |
|-------|--|
| 1.    | UNDERGROUND FEATURES AND PAVEMENT MARKING LOCATIONS SHOWN ON THIS SHEET ARE APPROXIMATE.   |
| 2.    | THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES AND SATISFY THEMSELVES OF THEIR LOCATION(S), ELEVATION, SIZE, AND MATERIAL PRIOR TO BEGINNING DEMOLITION. ANY DAMAGE TO THE EXISTING UTILITIES THAT ARE NOT TO BE REMOVED SHALL BE CONSIDERED THE RESPONSIBILITY OF THE CONTRACTOR. THEY SHALL BE REPAIRED IMMEDIATELY AND CONTINUE 24/7 UNTIL COMPLETE. REPAIR METHODS SHALL BE APPROVED BY THE PROJECT ENGINEER AND COMPLETED AT THE CONTRACTOR'S EXPENSE. |
| 3.    | THE CONTRACTOR SHALL PROTECT PROJECT WORK ITEMS, EQUIPMENT, AND FIXTURES FROM DAMAGE DUE TO DEMOLITION AND SUBSEQUENT CONSTRUCTION.  |
| 4.    | THE CONTRACTOR SHALL REMOVE ALL ITEMS SHOWN ON THE PLANS. THIS INCLUDES ANCILLARY ITEMS MADE VOID BY THIS SCOPE OF WORK. DO NOT ABANDON IN PLACE, UNLESS OTHERWISE NOTED IN THE PLANS.   |
| 5.    | ALL REMOVED ITEMS NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFF AIRPORT PROPERTY.   |
| 6.    | REMOVAL OF OR MODIFICATIONS TO THE EXISTING AOA FENCE SHALL COME AFTER THE PROPOSED AOA FENCE HAS BEEN INSTALLED AND ACCEPTED BY THE PROJECT ENGINEER AND OPERATIONS. THE PROPOSED FENCE SHALL TIE INTO THE EXISTING FENCE AND CREATE A SECURE CONTINUOUS PERIMETER. THE CONTRACTOR SHALL NOT PERFORM ANY WORK INSIDE THE AOA AREA OR ON THE FENCE WITHOUT PRIOR PROJECT ENGINEER AND OPERATIONS COORDINATION AND APPROVAL.  |

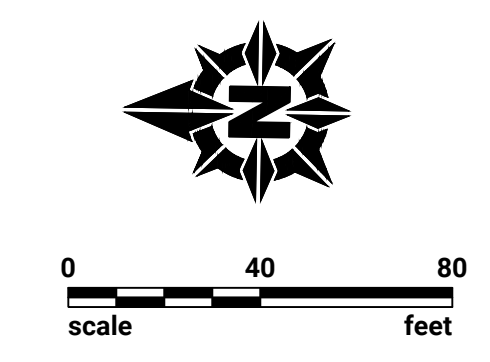


NO.	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION PHASE 5  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY  
**DEMOLITION PLAN (2 OF 2)**  
 MEMPHIS, TENNESSEE  
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DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. CD102
PROJECT NO: 24M301.04		



MATCHLINE SHEET CD101

SERVICE ROAD

JIM MCGEEHEE PARKWAY

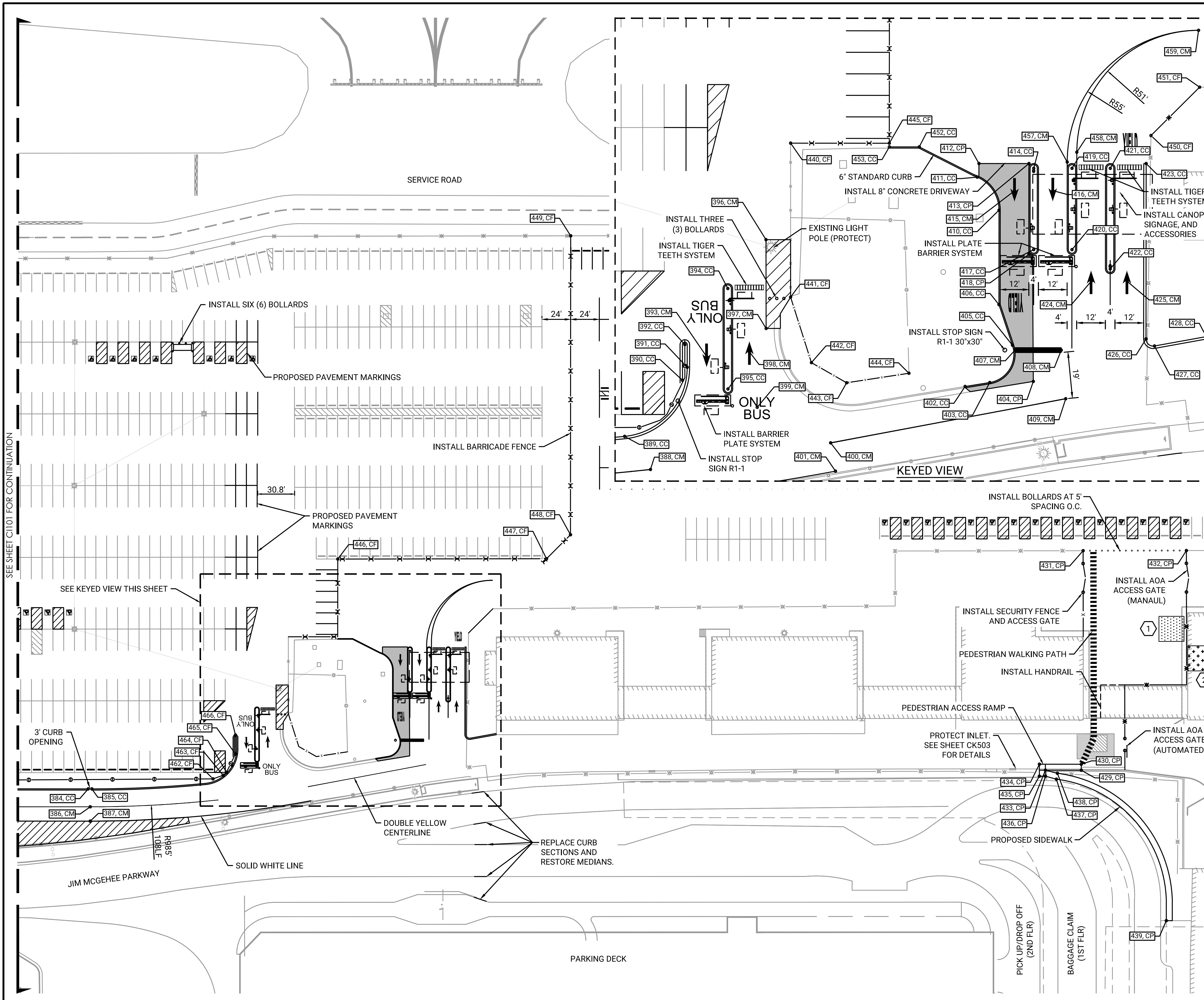
PARKING DECK

PICK UP/DROP OFF (2ND FLR)

BAGGAGE CLAIM (1ST FLR)







**LEGEND**

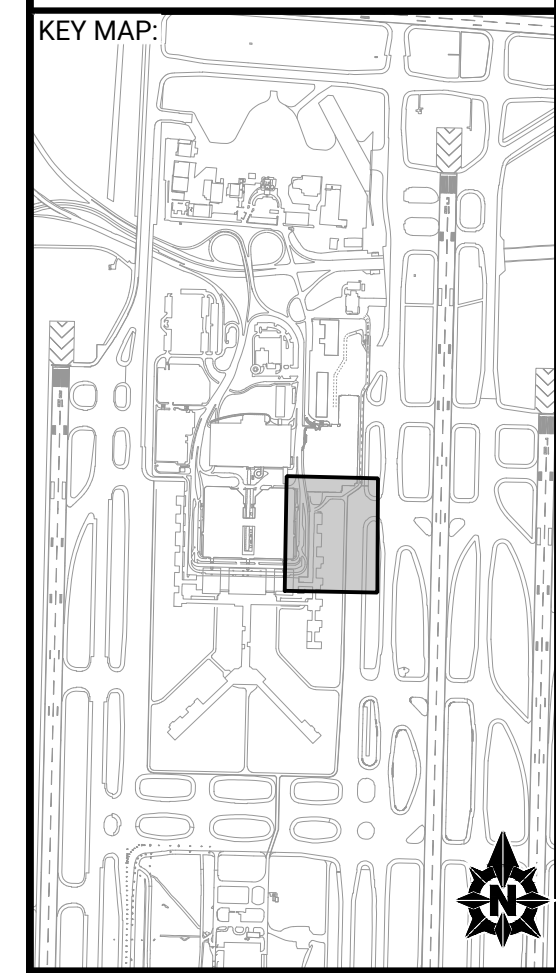
- ASPHALT PAVEMENT (EXIST)
- ASPHALT PAVEMENT (PROP)
- CONCRETE MISC. (PROP)
- ADA LOAD ZONE (EXIST)
- ADA LOAD ZONE (PROP)
- EXTRUDED CURB (EXIST)
- EXTRUDED CURB (PROP)
- CURB STOP (EXIST)
- CURB STOP (PROP)
- MARKING (EXIST)
- MARKING (PROP)
- ADA PARKING SYMBOL (EXIST)
- ADA PARKING SYMBOL (PROP)
- CROSSWALK (EXIST)
- CROSSWALK (PROP)
- SECURITY FENCE (EXIST)
- SECURITY FENCE (PROP)
- ORNAMENTAL FENCE (EXIST)
- ORNAMENTAL FENCE (PROP)
- AOA FENCE (EXIST)
- AOA FENCE (PROP)
- BARRICADE FENCE (PROP)
- PLAN POINT (PROP)
- CONTROL POINT (EXIST)

**NOTES**

- CONTRACTOR SHALL VISIT THE JOB SITE AND COMPLETELY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND SCOPE PRIOR TO CONSTRUCTION. CERTAIN MISCELLANEOUS SUBSIDIARY FEATURES ARE NOT SHOWN ON THE PLANS FOR CLARITY.
- PROJECT DATUM NAD83, TENNESSEE US SURVEY FOOT.
- CONTRACTOR SHALL LOCATE AND PROTECT SURVEY MONUMENTS, REFERENCE POINTS, AND BENCHMARKS DURING CONSTRUCTION.
- CONTRACTOR SHALL CONFIRM THE LOCATION, ELEVATION, SIZE, AND MATERIAL OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR MUST COORDINATE ALL OPERATIONS WITH THE MSCAA PROJECT ENGINEER AND MUST SUBMIT A PROPOSED SCHEDULE AT LEAST FIVE (5) CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION MEETING.
- THE MSCAA PROJECT ENGINEER MUST BE PROVIDED A MINIMUM OF 48 HOURS NOTICE TO ANY WORK DAY TO ALLOW FOR SCHEDULING OF PERSONNEL FOR OBSERVATION AND TESTING.

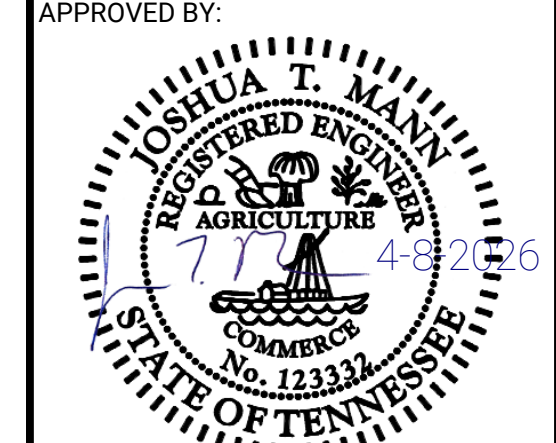
**KEY NOTES**

- 1 EXTERIOR STAIRWELL (BY OTHERS)
- 2 EXISTING ELEVATOR TO BE RENOVATED (BY OTHERS)



NO.	DATE	BY	REVISION DESCRIPTION

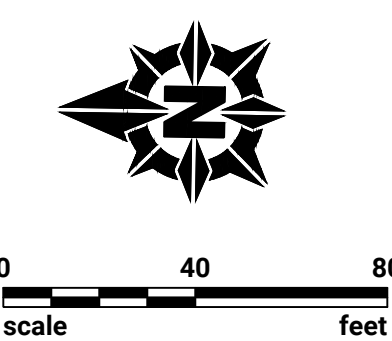
EMPLOYEE PARKING RELOCATION PHASE 5  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY  
 CIVIL LAYOUT PLAN (2 OF 2)  
 MEMPHIS, TENNESSEE  
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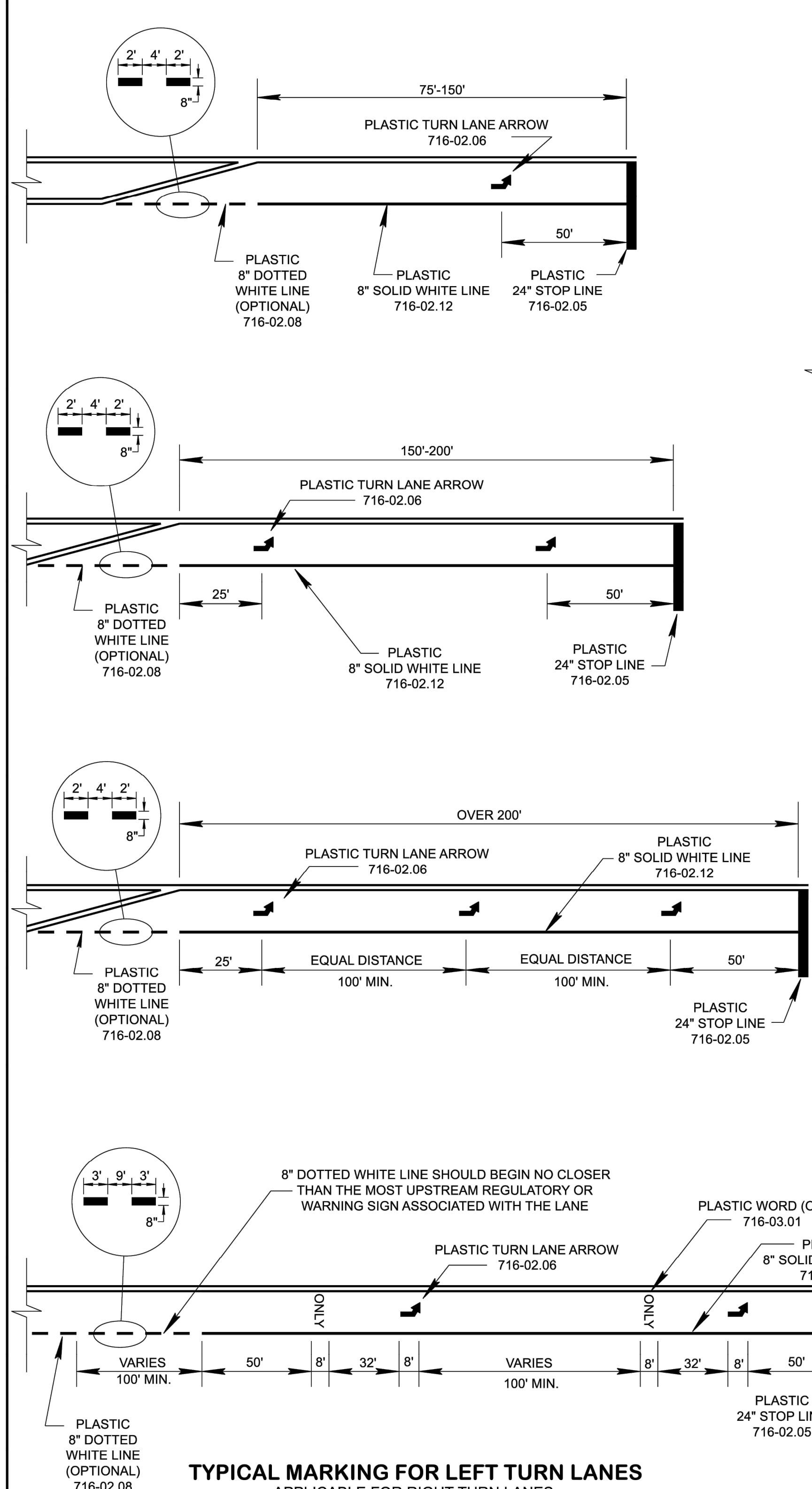
DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. C1102
PROJECT NO: 24M301.04		

SEE SHEET C1101 FOR CONTINUATION

SEE KEYED VIEW THIS SHEET

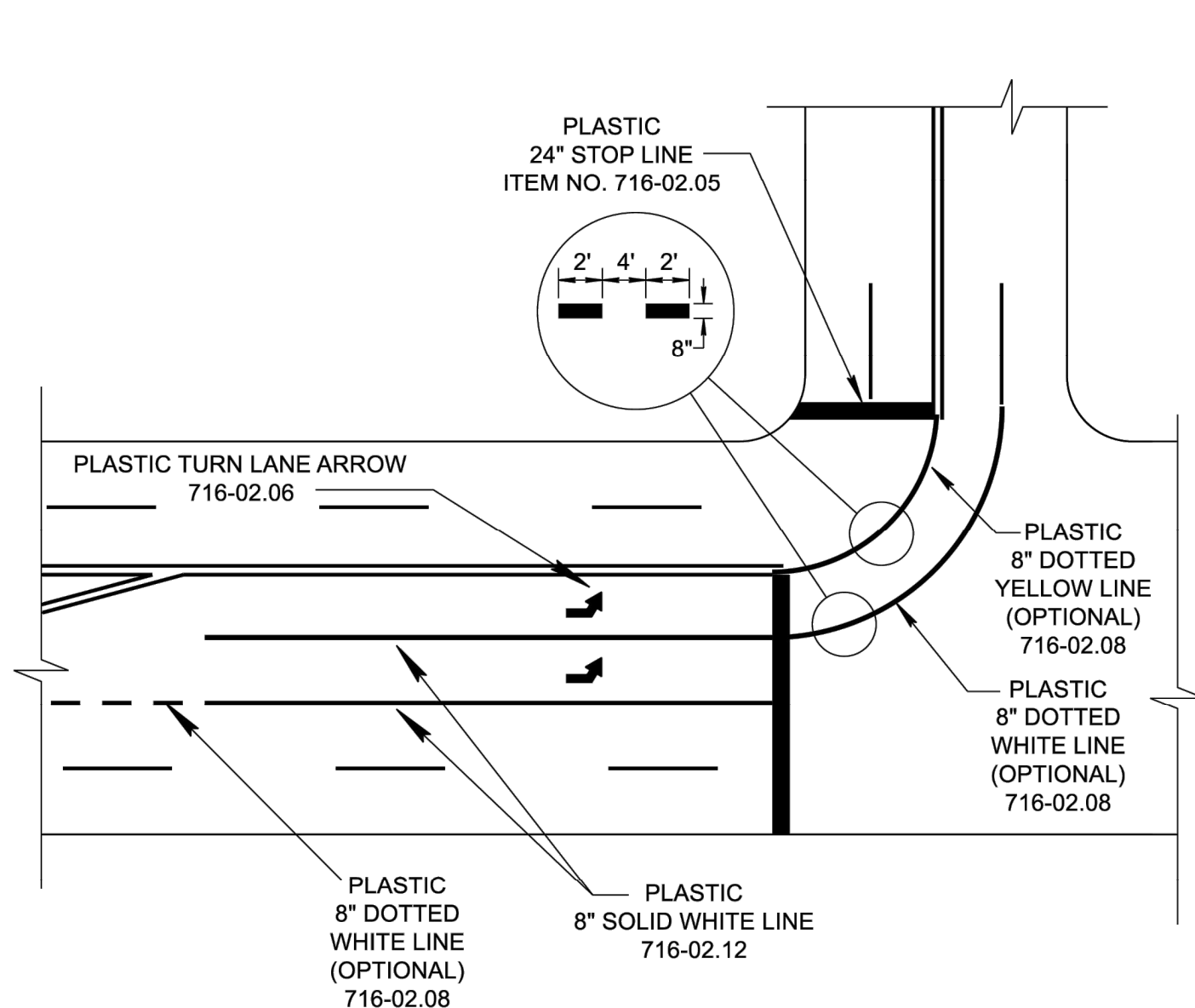


1/21/2025 8:51:42 AM L:\H:\26\26180 - Tennessee DOT Road Design Manual\004 - TDOT Traffic Design Updates\design\CAD\Pavement Markings (M)\TM4.dgn



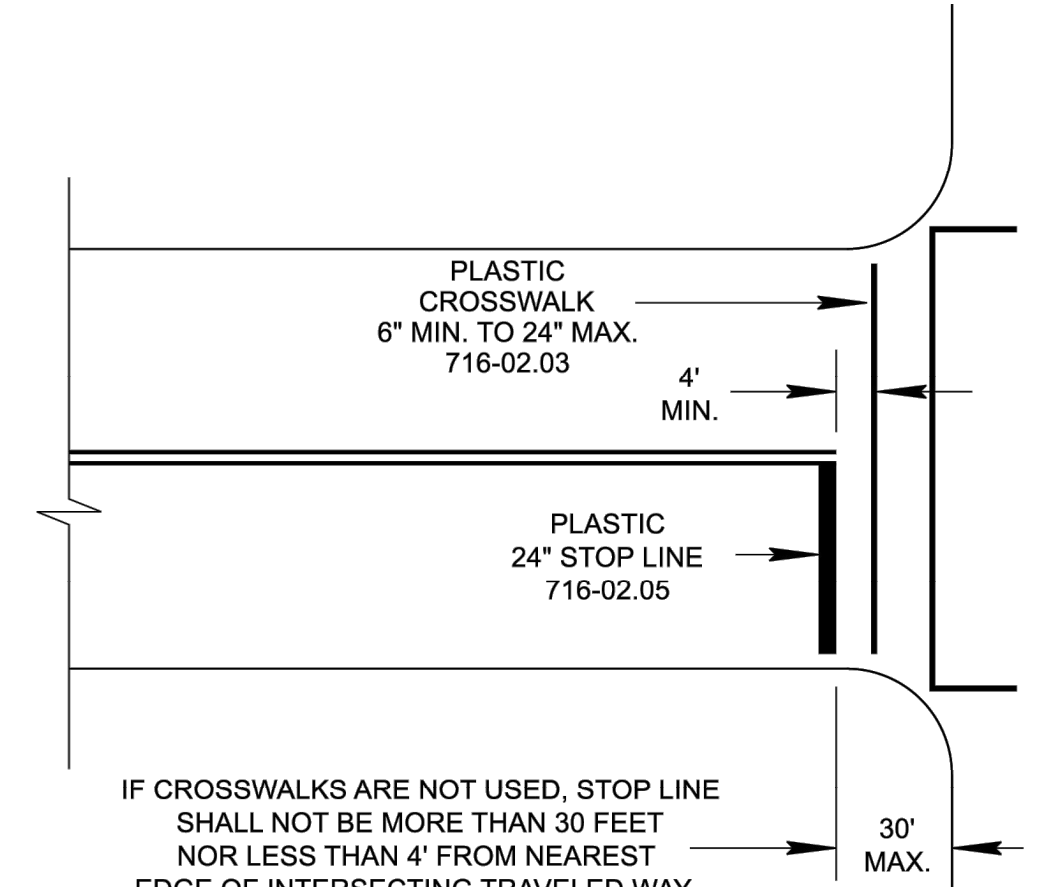
**TYPICAL MARKING FOR LEFT TURN LANES**  
 APPLICABLE FOR RIGHT TURN LANES

IF A THROUGH LANE BECOMES AN EXCLUSIVE LEFT TURN LANE, AN "ONLY" MESSAGE IS REQUIRED FOR EACH ARROW. THE "ONLY" MESSAGE SHALL BE PAID FOR UNDER ITEM NO. 716-03.01, PLASTIC WORD PAVEMENT MARKING (ONLY), PER EACH.

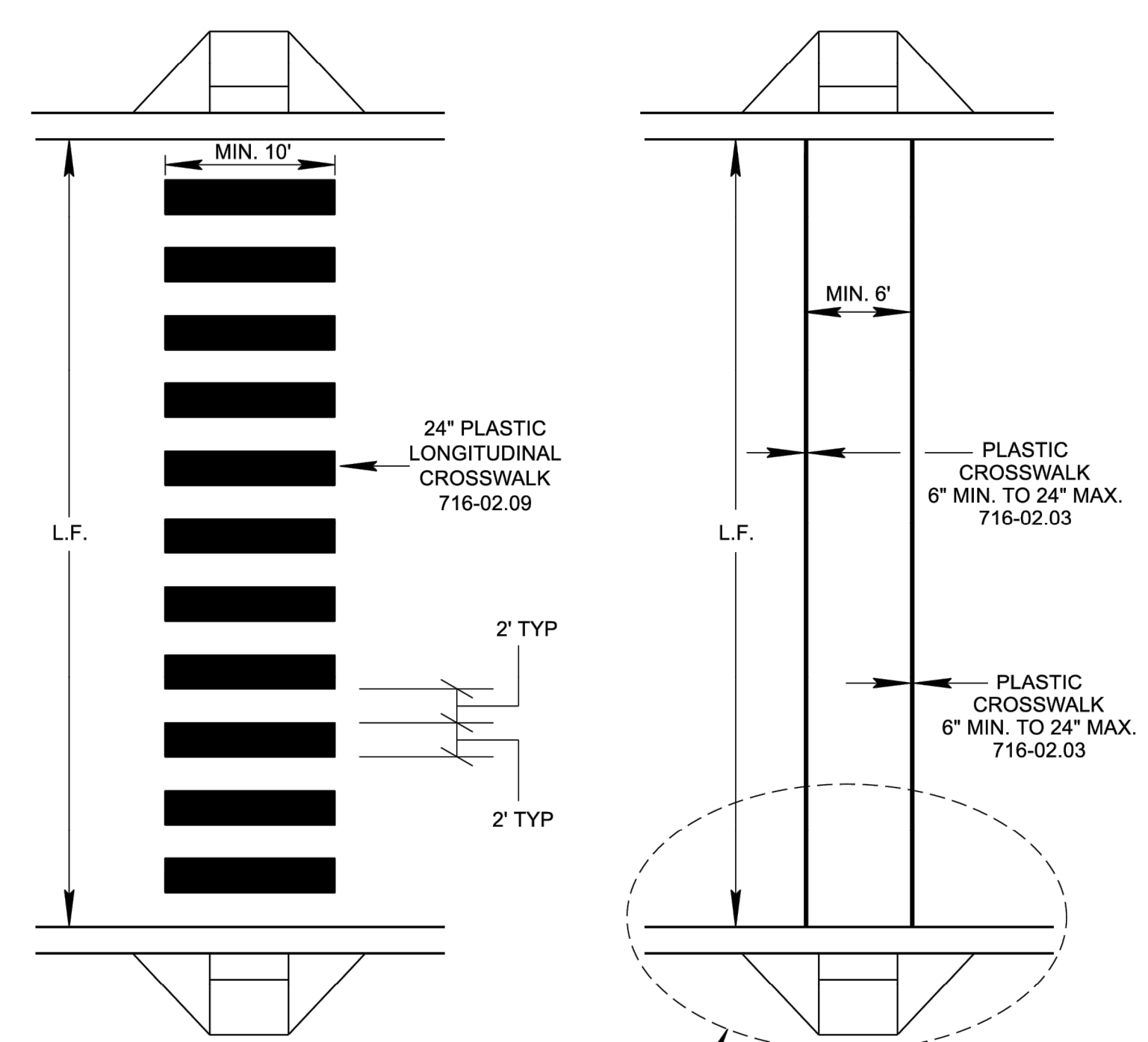
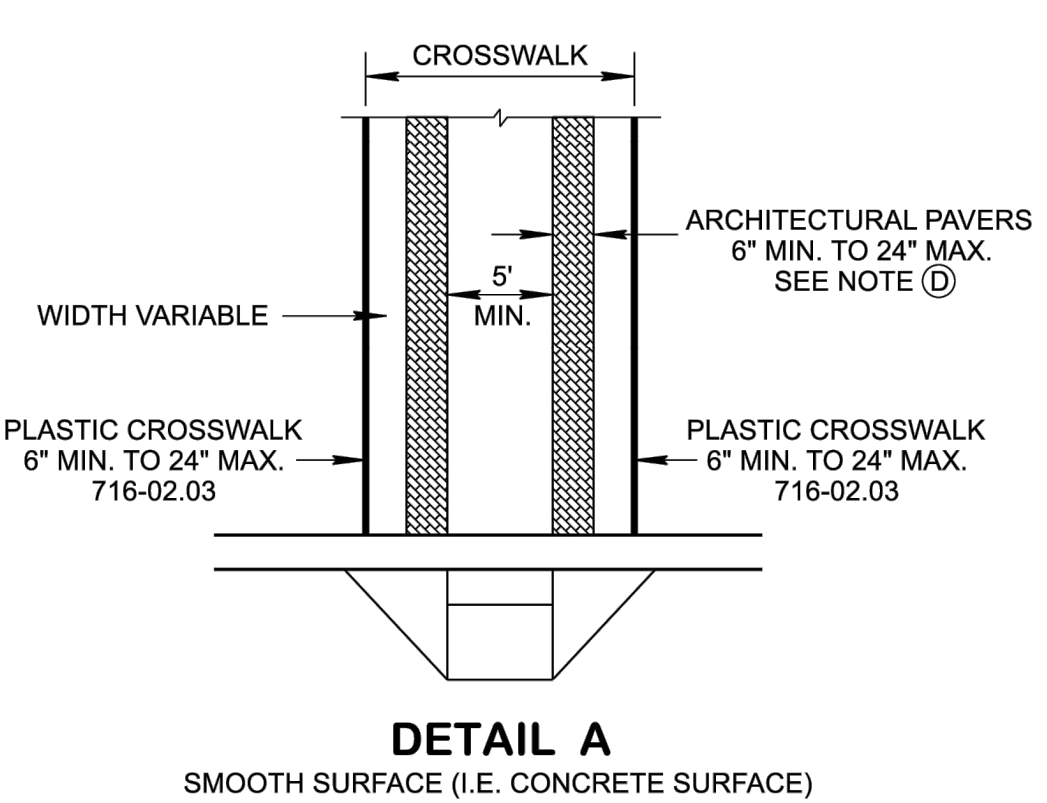


**TYPICAL MARKING FOR DOUBLE LEFT TURN LANES**

LEFT TURN ARROWS SHALL BE PAID FOR UNDER ITEM NO. 716-02.06, PLASTIC PAVEMENT MARKING (TURN LANE ARROW), PER EACH. 8\"/>



**TYPICAL MARKING FOR STOP LANE**



**LONGITUDINAL BAR CROSSWALK MARKING**  
 PREFERRED PAVEMENT CROSSWALK TYPE SHALL BE USED WHERE V>40 MPH

**TRANSVERSE LINE CROSSWALK MARKING**  
 TYPICALLY USED AT LOCAL ROADS AND STREETS

- GENERAL NOTES**
- (A) 6" PAVEMENT MARKING WILL BE USED FOR ALL CENTER LINE, LANE LINES AND EDGE LINES ON ALL ROADS EXCEPT WHERE AS SHOWN ON STANDARD DRAWINGS.
  - CROSSWALK**
  - (B) SPECIAL PAVERS AND PAVEMENT TEXTURES ARE NOT ACCEPTABLE CROSSWALK MARKINGS. THEREFORE, SPECIAL PAVERS AND PAVEMENT TEXTURES SHALL ONLY BE USED IN CONJUNCTION WITH TRANSVERSE CROSSWALK MARKINGS. SPECIAL PAVERS ARE TO BE DESIGNED TO MEET PAVEMENT DESIGN SCHEDULE AND DESIGN LOADING. ON STATE ROUTES, DETAILS SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT.
  - (C) IF SPECIAL PAVERS, PAVEMENT TEXTURES, OR ANY OTHER ARCHITECTURAL PAVEMENT MATERIALS ARE USED, THE ARCHITECTURAL PAVEMENT MATERIALS SHALL PROVIDE A SMOOTH, WITHOUT JOINT, WALKABLE/RIDEABLE, STABLE, FIRM AND SLIP-RESISTANT SURFACE PER ADA STANDARDS.
  - (D) ARCHITECTURAL PAVERS SHALL BE PAID FOR UNDER ITEM NO. 701-01.08, CONCRETE PAVERS (CROSSWALK) PER. SF.
  - STOP LINE PLACEMENT**
  - (E) LOCATION SHALL BE DETERMINED BY VEHICLE TURNING PATHS FROM INTERSECTION ROADWAY, AND IF SIGNALIZED, ITS POSITION RELATIVE TO SIGNAL HEADS, PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  - (F) STOP LINES SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER: 716-02.05, PLASTIC PAVEMENT MARKING (STOP LINE), PER LF.
  - (G) STOP LINES REQUIRED ONLY ON APPROACHES CONTROLLED BY STOP SIGNS OR TRAFFIC SIGNALS.
  - PAYMENT**
  - (H) PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM NO. 716-02.09, PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSSWALK) PER LF. ON LOCAL ROADS WITH ADT<1000, PAVEMENT MARKINGS COULD ALTERNATIVELY BE PAID FOR UNDER ITEM NO. 716-05.22, PAINTED PAVEMENT MARKING (LONGITUDINAL CROSSWALK) PER LF. MEASUREMENT IS CALCULATED AS THE FULL WIDTH OF PAVEMENT.
  - (I) PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM NO. 716-02.03, PLASTIC PAVEMENT MARKING (CROSSWALK) PER LF. ON LOCAL ROADS WITH ADT<1000, PAVEMENT MARKINGS COULD ALTERNATIVELY BE PAID FOR UNDER ITEM NO. 716-05.03, PAINTED PAVEMENT MARKING (CROSSWALK) PER LF. MEASUREMENT IS CALCULATED AS THE FULL WIDTH OF PAVEMENT.

- REV. 2-22-88: REVISED DETAIL LEFT TURN LANE MARKING. ADDED NOTE FOR STOP LINE TO BE PARALLEL TO CROSSWALK. NOTED LONGITUDINAL CROSSWALK LINES TO BE WHITE. CHANGED DWG. NO. FROM T-M-11 TO T-M-4. ADDED DETAIL FOR DOUBLE LEFT TURN LANE.
- REV. 3-20-81: REDREW AND REORGANIZED SHEET. ADDED PAY ITEMS AND THEIR DESCRIPTIONS.
- REV. 5-27-01: CHANGED DESCRIPTION IN ITEM NO. 716-02.09.
- REV. 9-5-01: CHANGED DESCRIPTION IN ITEM NO. 716-02.03.
- REV. 1-19-05: CHANGED HANDICAP RAMP DETAIL SHOWN ON CROSSWALK MARKING DETAILS.
- REV. 3-15-07: REVISED TO REFER THE HANDICAP RAMP STANDARDS TO DETERMINE THE MINIMUM WIDTH OF CROSSWALK MARKINGS.
- REV. 6-1-09: TYPICAL STOP LINE PLACEMENT NOTE REVISED.
- REV. 11-1-11: REVISED PAVEMENT MARKINGS FOR LEFT TURN DETAILS.
- REV. 7-24-14: REVISED CROSSWALK TO SHOW LONGITUDINAL LINES AS PREFERRED OPTION. ADDED PAVEMENT MARKING TABLE.
- REV. 10-10-16: ADDED DETAIL FOR CROSSWALK MARKING, UPDATED ITEM NUMBERS FOR CROSSWALK MARKING, UPDATED NOTES FOR STOP LINE PLACEMENT AND CROSSWALK MARKING.
- REV. 08-02-18: MODIFIED NOTE (A) ADDED ALTERNATIVE PAY ITEMS FOR PAINTED CROSSWALK MARKINGS. ADDED NOTE (C) TO THE CROSSWALK NOTES. REDREW SHEET.
- REV. 06-28-19: REMOVED PAVEMENT MARKING TABLE. PUT CROSSWALK NOTES AND STOP LINE PLACEMENT NOTES IN GENERAL NOTES. REDREW SHEET.
- REV. 07-17-20: ADDED NOTE UNDER TRANSVERSE CROSSWALK MARKING AND REVISED V FOR LONGITUDINAL CROSSWALK MARKING TO >40 MPH.
- REV. 01-24-25: UPDATED TYPICAL DETAILS TO CONFORM WITH MUTCD 11TH EDITION.

MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE  
 STANDARD DRAWING  
 DEPARTMENT OF TRANSPORTATION

**STANDARD INTERSECTION PAVEMENT MARKINGS**

T-M-4

NO.	DATE	BY	REVISION DESCRIPTION

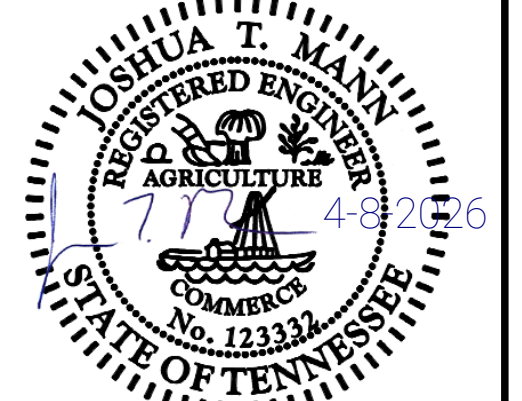
EMPLOYEE PARKING RELOCATION PHASE 5  
 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

CIVIL DETAILS

MEMPHIS, TENNESSEE

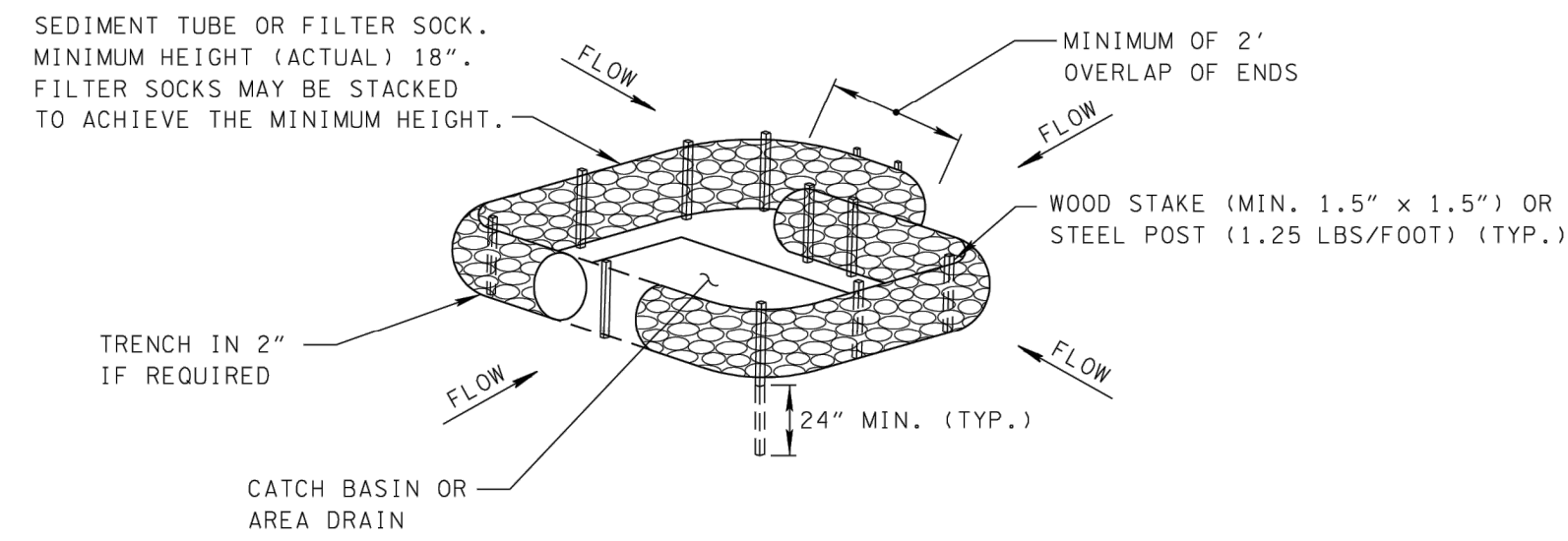
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APPROVED BY:



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. CK501
PROJECT NO: 24M301.04		





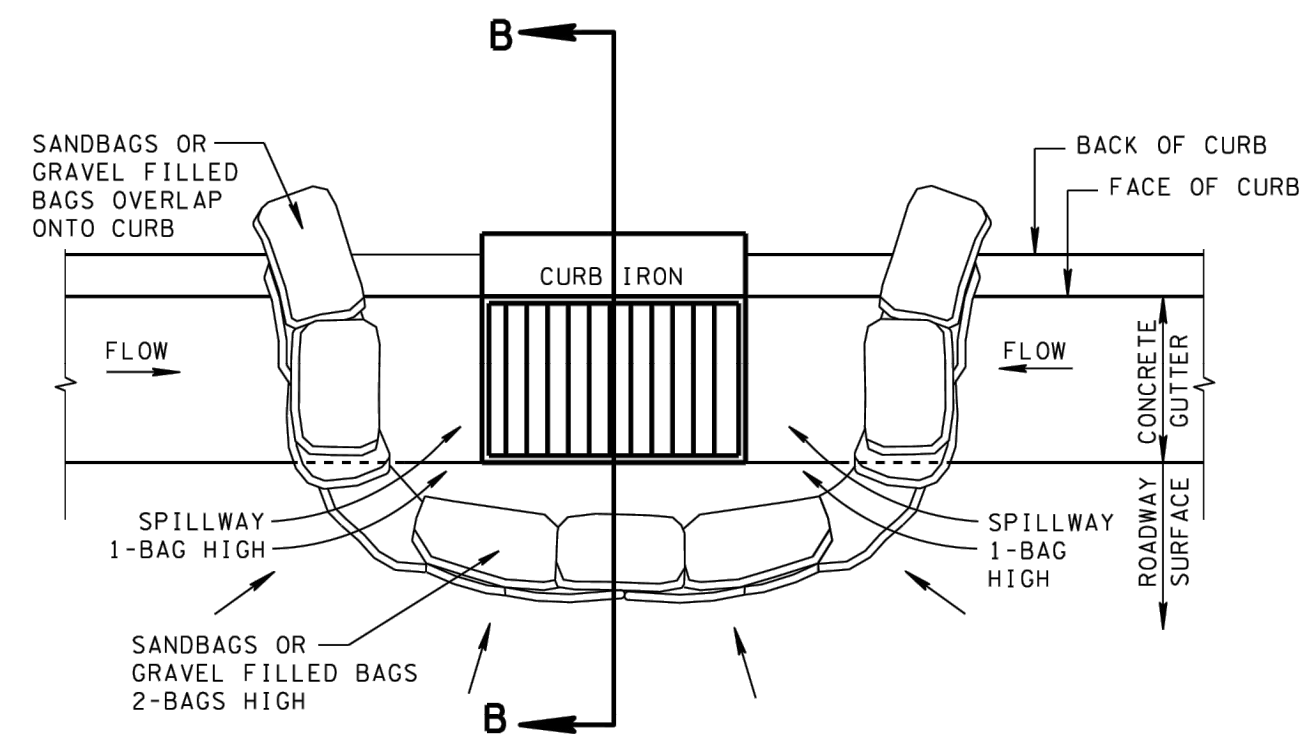
EROSION CONTROL PLAN LEGEND:  (D) CATCH BASIN PROTECTION (TYPE D)

**CATCH BASIN PROTECTION GENERAL NOTES**

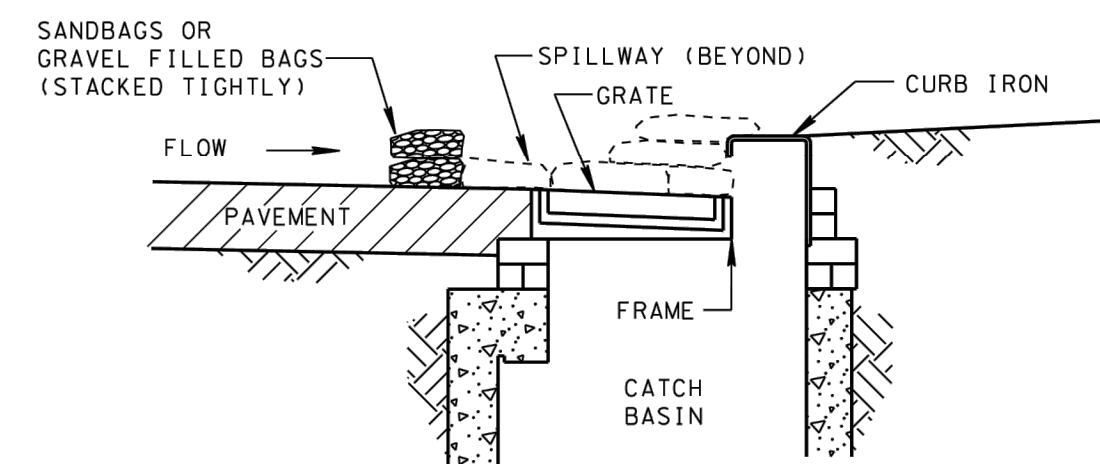
- |   |  |
|---|--|
| <p>(A) CATCH BASIN PROTECTION IS USED TO PREVENT SEDIMENT IN CONSTRUCTION SITE RUNOFF FROM ENTERING A STORM SEWER SYSTEM.</p> <p>(B) TYPE B, TYPE C, TYPE D (SEDIMENT TUBE), AND TYPE E SHOULD ONLY BE USED IN UNPAVED AREAS. TYPE A AND TYPE D (FILTER SOCK) MAY BE USED IN BOTH UNPAVED AND PAVED AREAS.</p> <p>(C) TYPE B, TYPE C, TYPE D, AND TYPE E HAVE A MAXIMUM DRAINAGE AREA OF 1 ACRE. TYPE A HAS A MAXIMUM DRAINAGE AREA OF 2 ACRES.</p> <p>(D) ONLY GEOTEXTILE FABRIC (TYPE III) LISTED ON THE QUALIFIED PRODUCTS LIST SHALL BE USED.</p> <p>(E) THE WIRE MESH USED IN TYPE B AND TYPE C SHALL BE A MINIMUM 19 GAGE HARDWARE CLOTH WITH 1/4 INCH MESH OPENINGS.</p> <p>(F) FOR INSTALLATION DETAILS FOR SILT FENCE WITH WIRE BACKING (EC-STR-3C), FILTER SOCK (EC-STR-B), AND SEDIMENT TUBE (EC-STR-37) REFER TO THEIR RESPECTIVE STANDARD DRAWING. FILTER SOCKS MAY NOT REQUIRE STAKING WHEN APPROVED BY THE ENGINEER.</p> | <p>(G) ANY PRODUCT LISTED ON THE QUALIFIED PRODUCTS LIST AS AN APPROVED ALTERNATE IS ALSO ACCEPTABLE.</p> <p>(H) NOT APPLICABLE.</p> <p>(I) SEDIMENT SHALL BE REMOVED FROM BEHIND THE CATCH BASIN PROTECTION WHEN IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE STRUCTURE.</p> |
|---|--|

**01 TDOT CATCH BASIN PROTECTION (TYPE D)**  
SCALE: NONE

**CURB INLET PROTECTION TYPE 2**  
LOW VOLUME, LOW SPEED TRAFFIC AREAS ONLY



**PLAN VIEW - INLET AT SAG**



**SECTION B-B**

**CURB INLET PROTECTION TYPE 2 GENERAL NOTES**

- (B1) CURB INLET PROTECTION (TYPE 2) IS USED TO INTERCEPT SEDIMENT AND PREVENT SEDIMENT LADEN WATER FROM ENTERING STORM SEWER SYSTEMS. THIS DEVICE IS INTENDED AS A SECONDARY SEDIMENT CONTROL MEASURE. CURB INLET PROTECTION (TYPE 2) IS USED IN AREAS WHERE PONDING IS NOT A CONCERN AND ADEQUATE AREA IS AVAILABLE FOR PONDING.
- (B2) MAXIMUM DRAINAGE AREA IS 1 ACRE.
- (B3) MAXIMUM TOP OF SPILLWAY ELEVATION = TOP OF CURB ELEVATION MINUS 1 INCH.
- (B4) BAGS SHALL BE MADE OF EITHER BURLAP OR GEOTEXTILE FABRIC AND FILLED WITH CLEAN MINERAL AGGREGATE (SIZE 57) OR SAND.
- (B5) PACK SAND/GRAVEL FILLED BAGS TIGHTLY TOGETHER END TO END TO ENSURE NO SEDIMENT FLOWS BETWEEN OR UNDERNEATH THE BAGS. WHERE TIGHT FIT IS UNACHIEVABLE, INSTALL GEOTEXTILE FABRIC (TYPE III) ALONG THE UPSTREAM FACE OF THE BAGS LAPPING OVER THE TOP BAGS 6 INCHES AND EXTENDING GEOTEXTILE FABRIC (TYPE III) A MINIMUM OF 18 INCHES UPSTREAM OF THE BAGS. COVER GEOTEXTILE FABRIC (TYPE III) WITH MINERAL AGGREGATE (SIZE 57) STONE WEDGE TO THE TOP OF THE BAGS.
- (B6) ONLY GEOTEXTILE FABRIC (TYPE III) LISTED ON THE QUALIFIED PRODUCTS LIST SHALL BE USED.
- (B7) AN OVERFLOW SPILLWAY SHALL BE PROVIDED BY LEAVING AN OPENING OF ONE SAND OR GRAVEL BAG WIDE AND HIGH AS SHOWN. STORMS GREATER THAN 2-YEAR, 24 HOUR STORM SHOULD NOT OVERTOP THE CURB.
- (B8) NOT APPLICABLE.
- (B9) ANY PRODUCT LISTED ON THE QUALIFIED PRODUCTS LIST AS AN APPROVED ALTERNATE IS ALSO ACCEPTABLE.
- (B10) MAINTENANCE SHALL BE PERFORMED AS NEEDED. FOR PROPER FUNCTION SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY AND/OR AFTER EVERY RAIN EVENT AND PAID FOR UNDER ITEM NUMBER 209-05, SEDIMENT REMOVAL, PER CUBIC YARD.

**02 TDOT CURB INLET PROTECTION (TYPE 2)**  
SCALE: NONE

PREPARED FOR:



PREPARED BY:



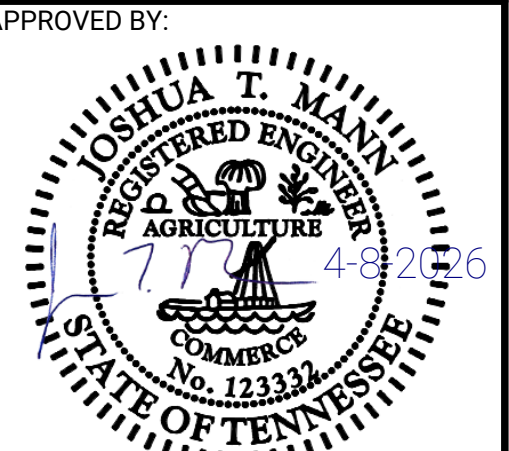
Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38117  
Phone (901) 497-2500

NO.	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

**CIVIL DETAILS**

MEMPHIS, TENNESSEE  
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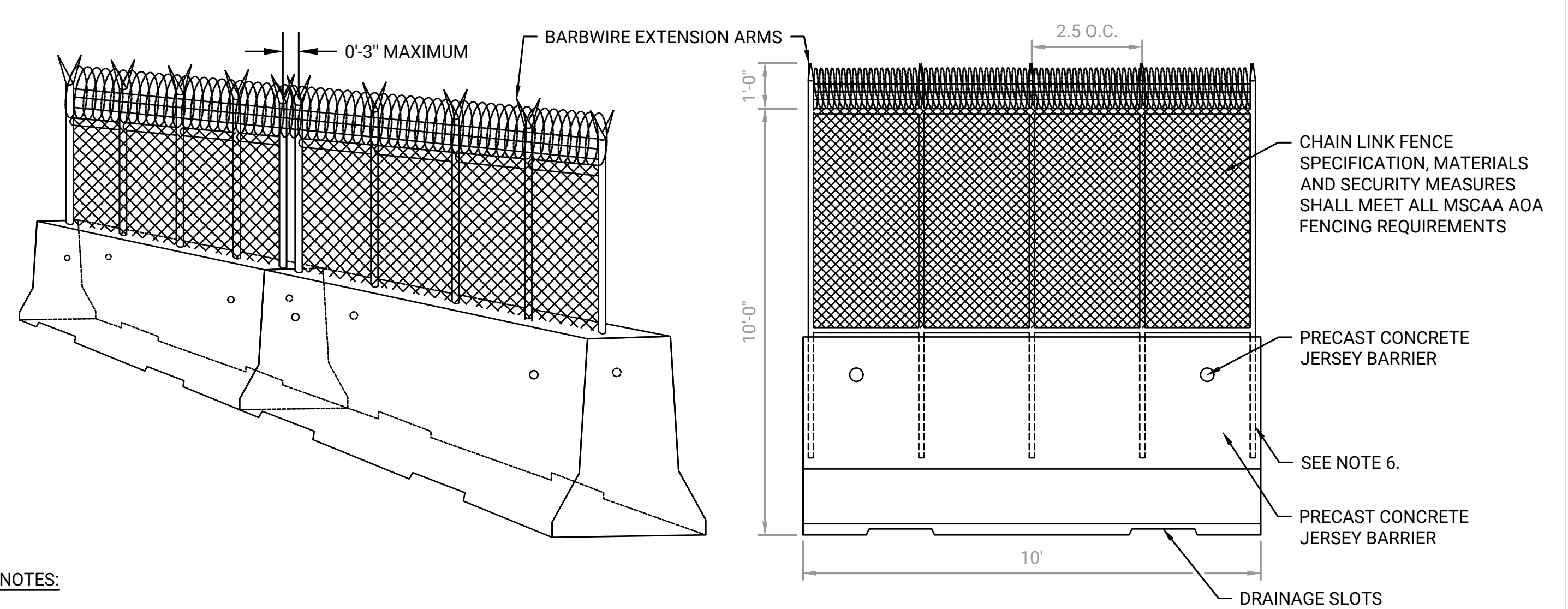


DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO: CK503	

FENCING DATA TABLE				
	MATERIAL	REQUIREMENTS	DIMENSIONS	LOAD CAPACITY
FENCE FABRIC	72", 9-GAUGE ZINC-5% ALUMINUM MISCHMETAL ALLOY WIRE	ASTM F1345, CLASS 2	2 INCH MESH	
POST PIPE	GALVANIZED TUBULAR STEEL PIPE CLASS I, COATINGS TYPE A, EXTERNAL COATING TYPE B, AND INTERNAL COATING TYPE B OR D.	GROUP IA, ASTM F1083, SCHEDULE 40		
LINE & BRACE POST	TYPE I, CONCRETE EMBEDMENT (PERMANENT), IN-GROUND EMBEDMENT (TEMPORARY)		4 INCH OD, 4.5 FOOT CONCRETE EMBEDMENT, 1.5 FOOT CONCRETE OD	2.72 LB/FT POST, 3KSI MIN CONCRETE FOOTING
END & CORNER POST	TYPE I, CONCRETE EMBEDMENT (PERMANENT), IN-GROUND EMBEDMENT (TEMPORARY)		4 INCH OD, 4.5 FOOT CONCRETE EMBEDMENT, 1.5 FOOT CONCRETE OD	3.65 LB/FT POST, 3KSI MIN CONCRETE FOOTING
GATE POST	TYPE I, CONCRETE EMBEDMENT (PERMANENT), IN-GROUND EMBEDMENT (TEMPORARY)		8-5/8 INCH OD, 4.5 FOOT CONCRETE EMBEDMENT, 2.5 FOOT CONCRETE OD	3.65 LB/FT POST, 3KSI MIN CONCRETE FOOTING
TOP RAIL & POST BRACES	TYPE I, 2.27 LB/FT		1.66 INCH OD	2.72 LB/FT
FABRIC TIE WIRE	TIE WIRE SHALL BE ALUMINUM ALLOY. PREFORMED CLIPS OF 6-GAGE, ZINC-COATED, STEEL WIRE MAY BE USED FOR ATTACHING FABRIC TO INTERMEDIATE POSTS.		0.144 INCH OD	
TENSION WIRE	GALVANIZED WIRE		(3) 4 INCH SPACING	
BARBED WIRE	12-1/2 GAUGE ALUMINUM-COATED WIRE WITH 4-POINT BARBS	ASTM A 121, CLASS II	5 INCH SPACING	
EXTENSION ARMS	GALVANIZED			250LB
FITTINGS AND HARDWARE	STEEL FITTINGS AND HARDWARE ZINC COATED	ASTM A 153		
GROUND RODS	COPPER CLAD		5/8 INCH OD, 8 FOOT LENGTH, 500 FOOT SPACING	

### 01 FENCING DATA TABLE

SCALE: NONE

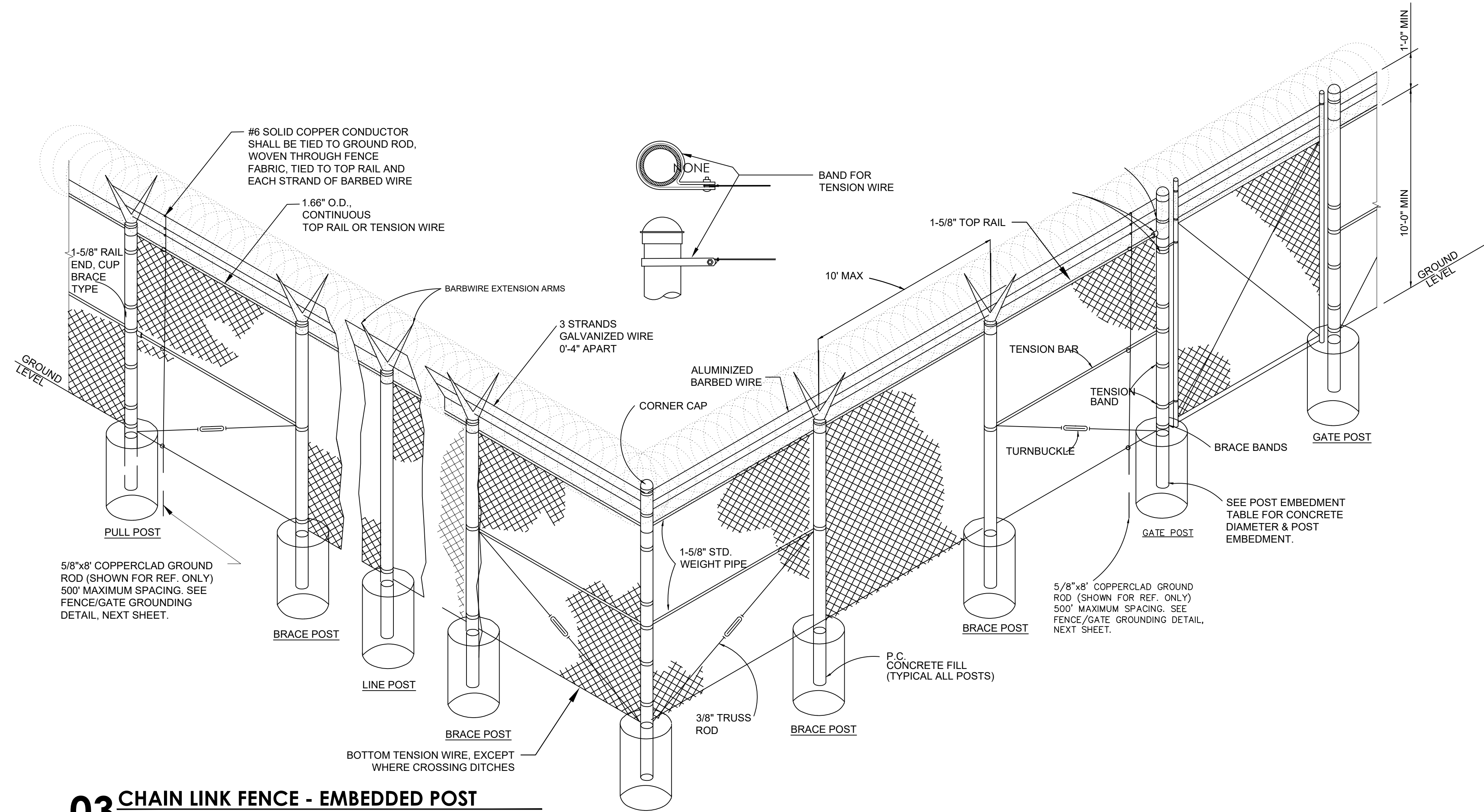


**NOTES:**

1. INSTALLED AT LOCATIONS (APPROXIMATE) AS SHOWN ON THE SAFETY AND PHASING PLANS OR AS DIRECTED BY THE MSCAA PROJECT ENGINEER AND WITH OWNER APPROVAL.
2. BARRICADES ARE CONTINUOUS IN ALL LOCATIONS EXCEPT FOR ACCESS POINTS. NO GAP GREATER THAN 3 INCHES WILL BE PERMITTED IN THE FENCE. ADDITIONAL FENCE FABRIC MAY BE REQUIRED AT GAPS TO ENSURE THEY DO NOT EXCEED THE LIMIT. NO ADDITIONAL PAYMENT WILL BE MADE FOR SECURING FENCE GAPS.
3. FENCING SHALL BE AFFIXED TO CONCRETE BARRICADES BY MANUFACTURER RECOMMENDED METHOD. ATTACHMENT METHODS OF MOUNTING, SLOTTED INSERTS, OR PRECAST SHALL BE APPROVED BY THE MSCAA PROJECT ENGINEER VIA SUBMITTAL PRIOR TO CONSTRUCTION.

### 02 FENCE - BARRICADES

SCALE: NONE



### 03 CHAIN LINK FENCE - EMBEDDED POST

SCALE: NONE

PREPARED FOR:



PREPARED BY:



Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38117  
Phone (901) 497-2500

NO. DATE BY REVISION DESCRIPTION

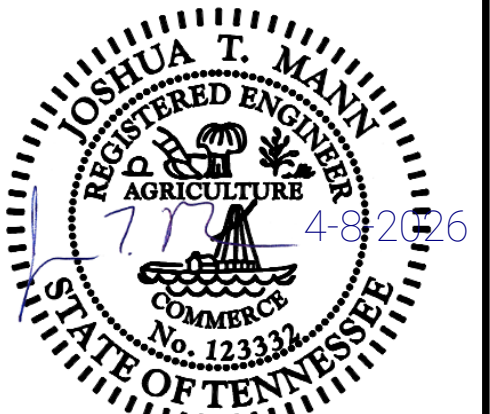
EMPLOYEE PARKING RELOCATION PHASE 5  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

CIVIL DETAILS

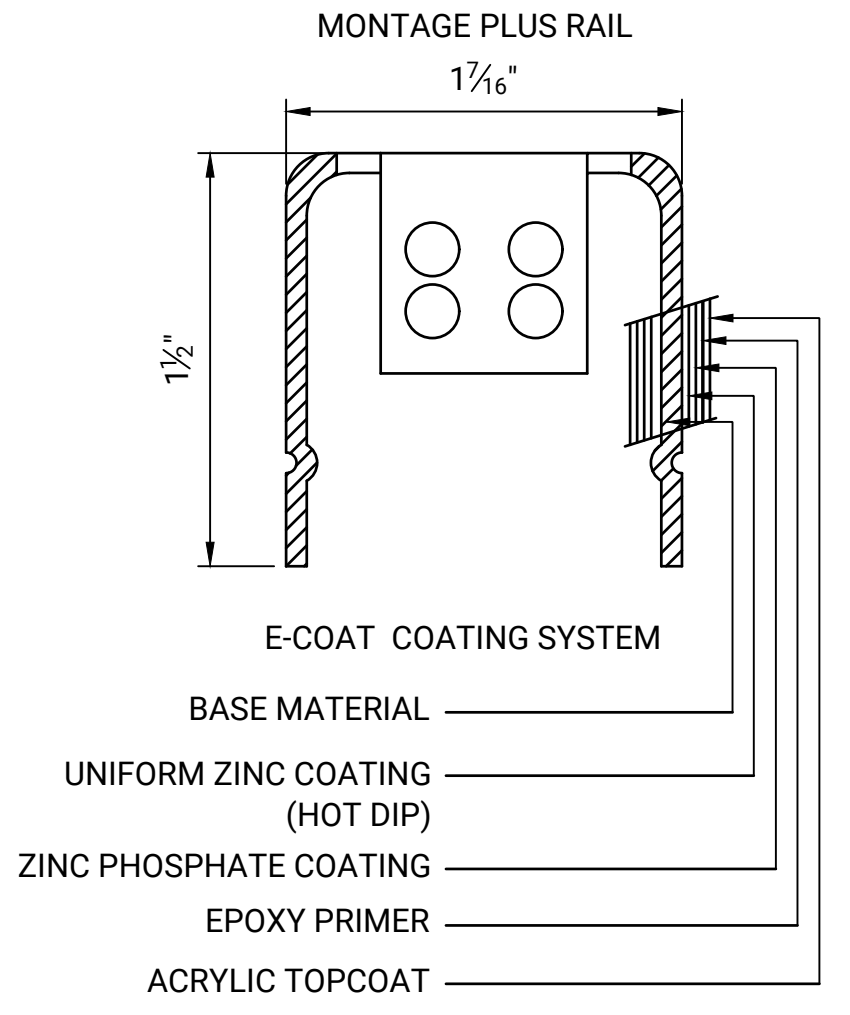
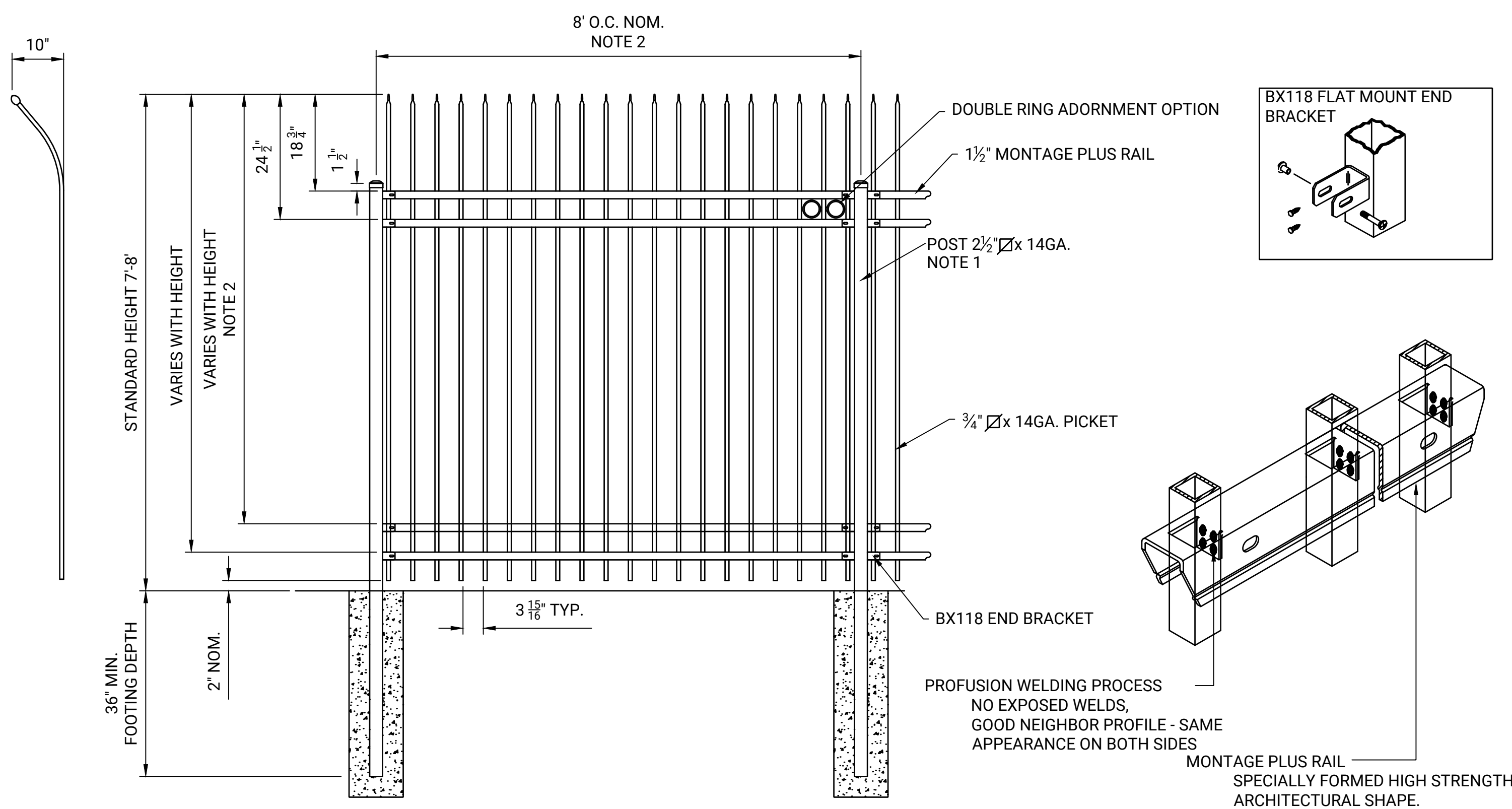
MEMPHIS, TENNESSEE

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APPROVED BY:

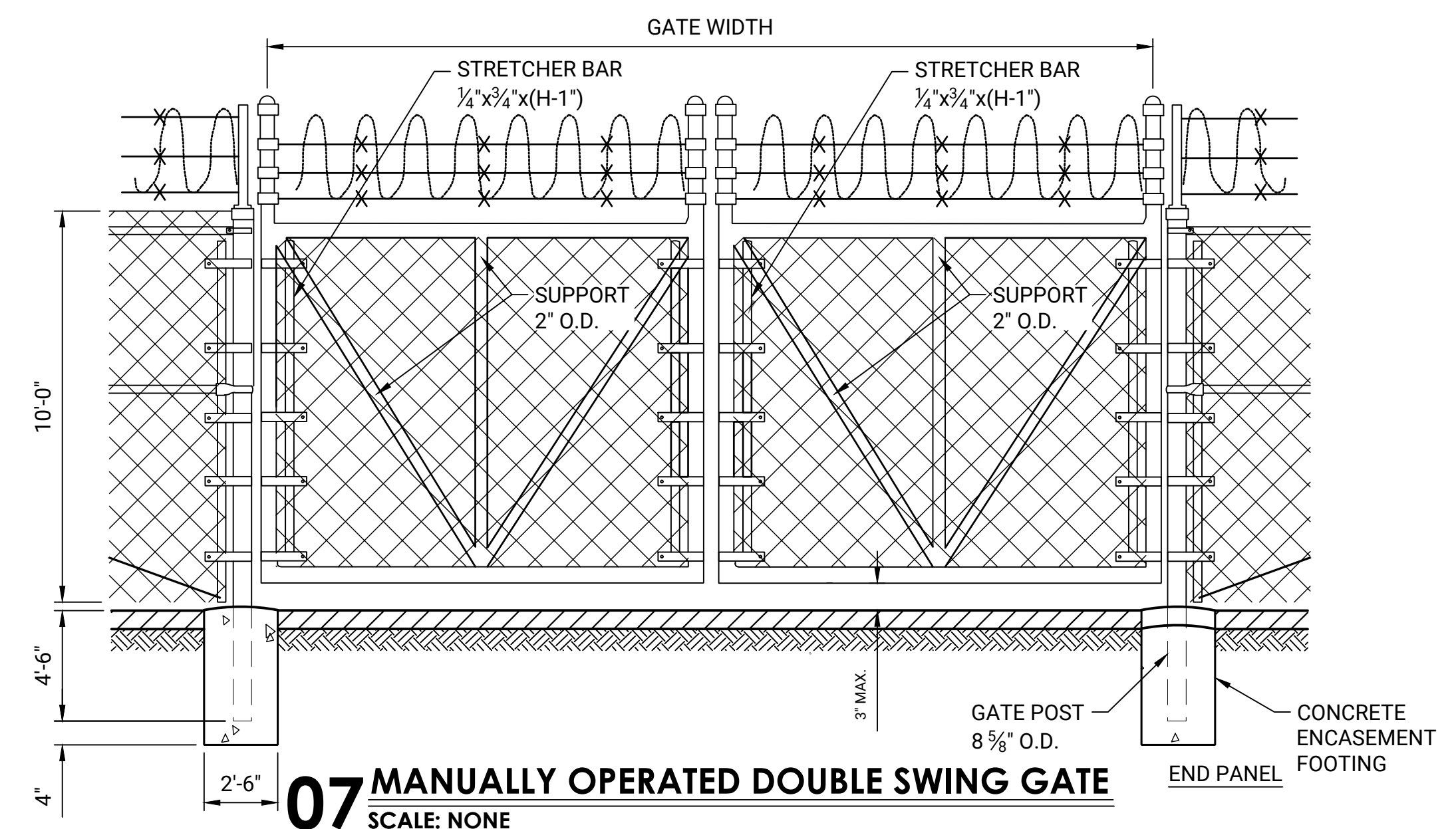


DESIGNED: ACJ  
DRAWN: NCR  
CHECKED: WUH  
LETTING DATE: PRINT DATE: 4/8/2026  
PROJECT NO: 24M301.04 SHEET NO: CK504



- NOTES:
1. POST SIZE DEPENDS ON FENCE HEIGHT AND WIND LOADS. SEE MONTAGE PLUS SPECIFICATION FOR POST SIZING CHART.
  2. FOURTH RAIL OPTIONAL.
  3. 7-8' HEIGHTS WILL REQUIRE A 14GA. PICKET & 14GA. POST.
  4. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.
  4. DRAWING AND INCLUDED INFORMATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE A SUBMITTAL MEETING THE REQUIREMENTS ON THIS DETAIL PRIOR TO PROCUREMENT, SUBJECT TO ENGINEER AND OWNER APPROVAL.
  5. REFERENCE PRODUCT SHALL BE "AMERISTAR, MONTAGE COMMERCIAL INVINCIBLE 3/4-RAIL", OR APPROVED EQUAL.

**01 ORNAMENTAL FENCING**  
SCALE: NONE



**07 MANUALLY OPERATED DOUBLE SWING GATE**  
SCALE: NONE

NO	DATE	BY	REVISION DESCRIPTION

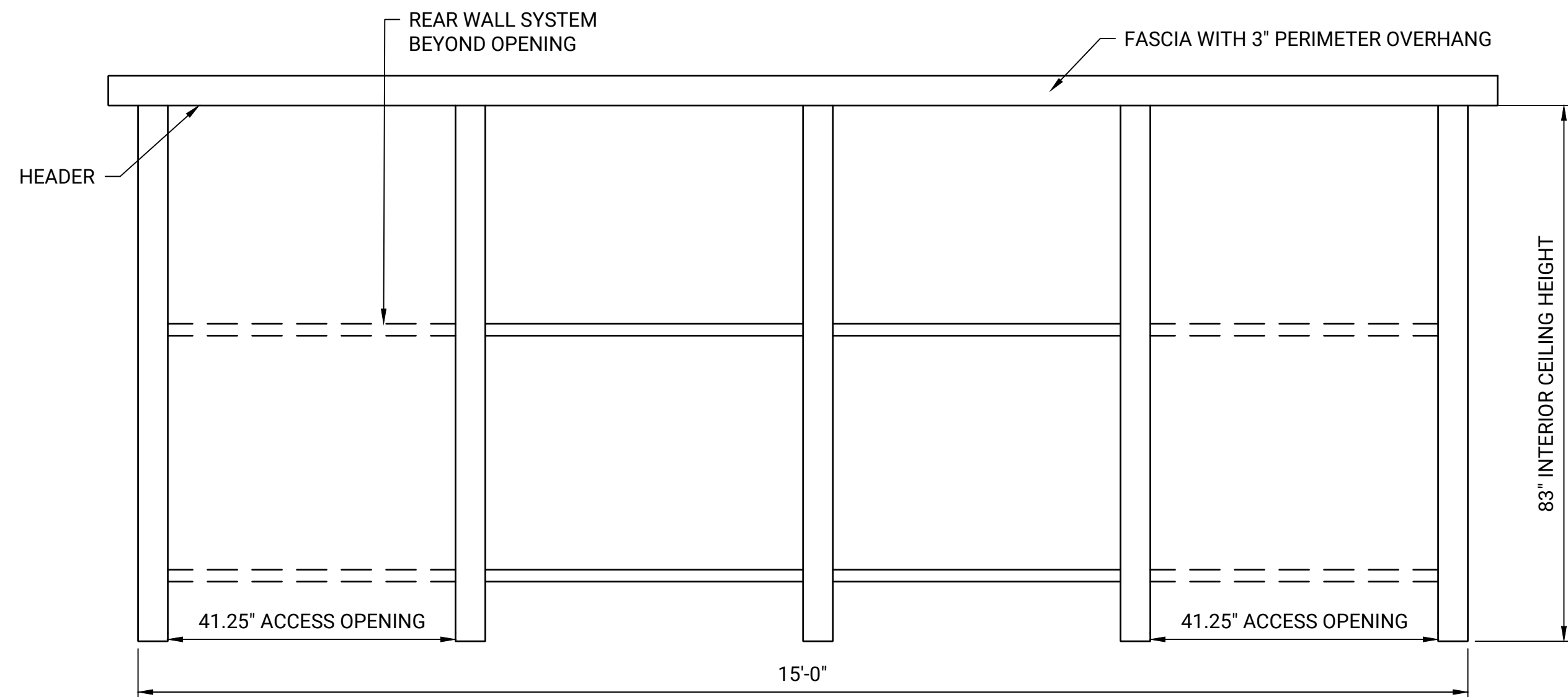
**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY  
**CIVIL DETAILS**  
MEMPHIS, TENNESSEE  
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APPROVED BY:  
**JOSHUA T. MANN**  
REGISTERED ENGINEER  
No. 12333  
STATE OF TENNESSEE  
4-8-2026

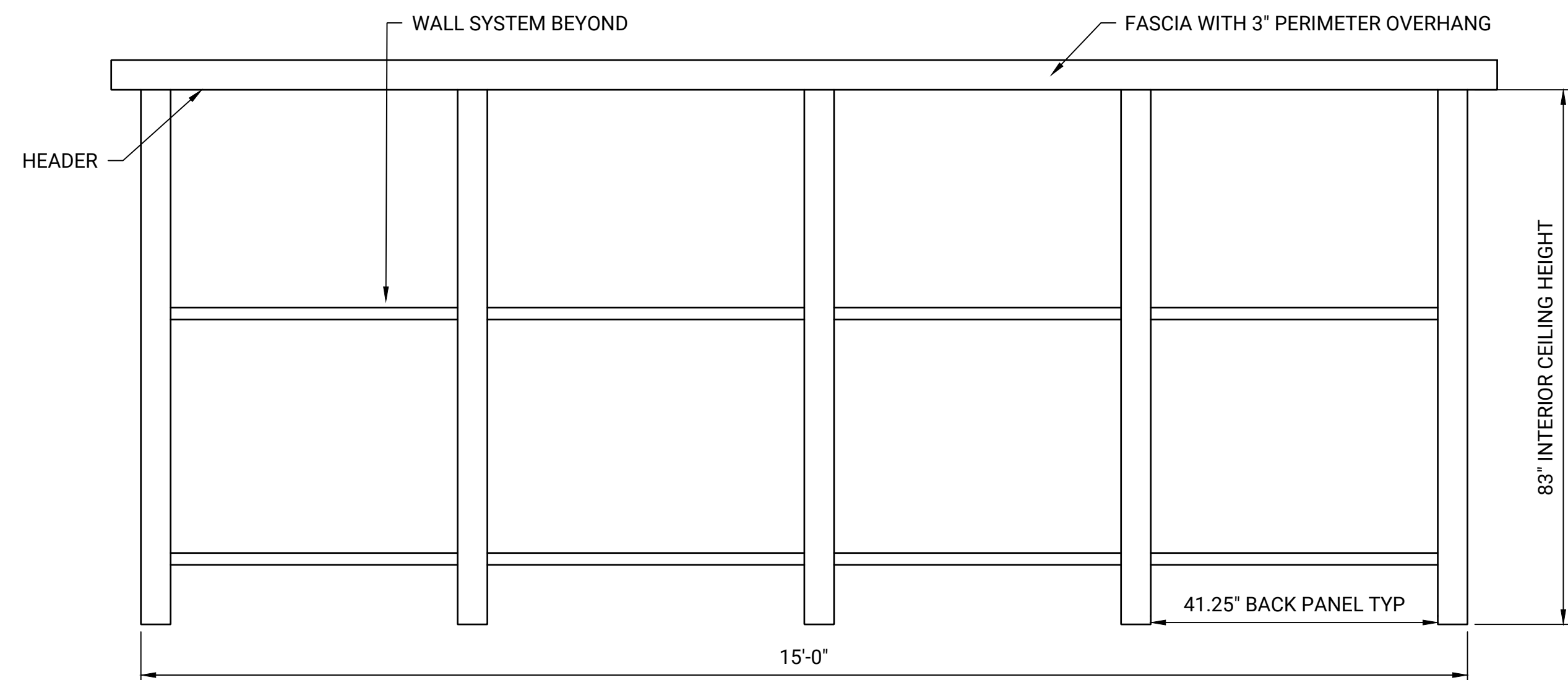
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LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO. <b>CK505</b>	



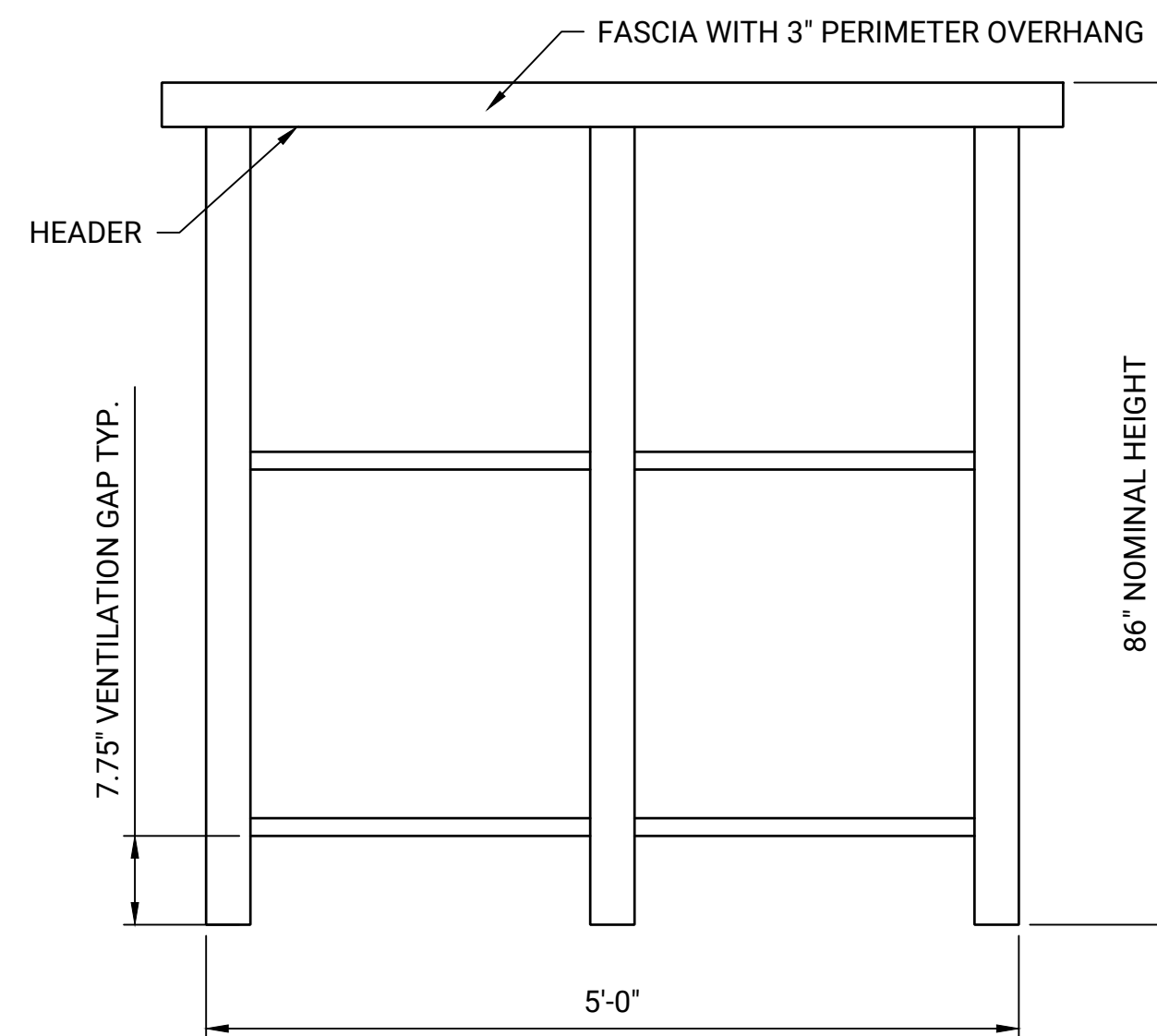




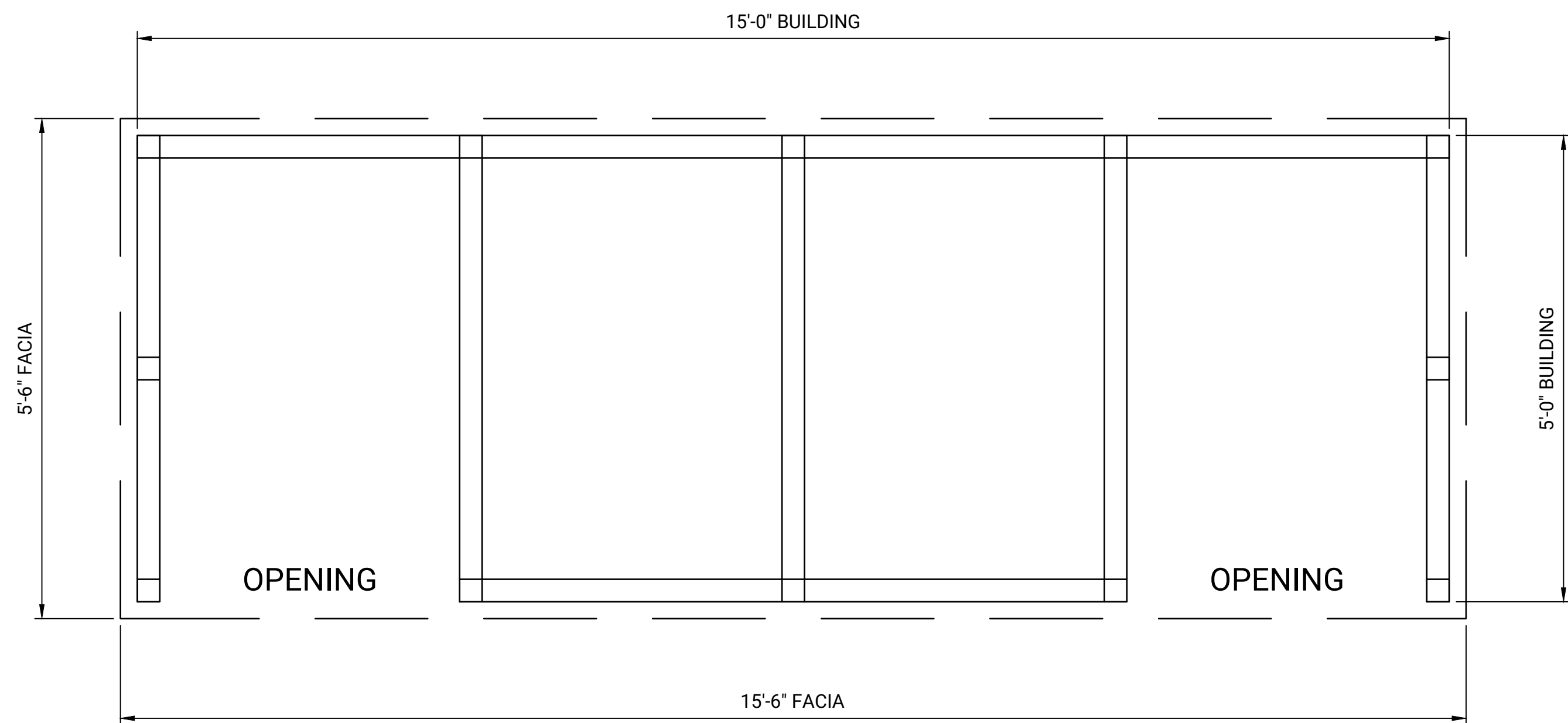
**FRONT VIEW**



**REAR VIEW**



**SIDE VIEW**



**PLAN VIEW**

**NOTES:**

- DRAWING AND INCLUDED INFORMATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE A SUBMITTAL MEETING THE REQUIREMENTS ON THIS DETAIL PRIOR TO PROCUREMENT, SUBJECT TO ENGINEER AND OWNER APPROVAL.
- REFERENCE PRODUCT SHALL BE, OR APPROVED EQUAL TO, BELSON OUTDOORS, FLAT ROOF, DOUBLE OPENING, 5'W X 15'L.
- FRAME SHALL BE 6063-T6 ALUMINUM ALLOY EXTRUSIONS WITH BRONZE FINISH, WITH NO EXPOSED FASTENERS.
- POST 1/4 INCH BY 2 INCH EXPANSION ANCHORING BOLTS SHALL BE LOCATED MINIMUM 3 INCHES FROM PAVEMENT JOINTS.
- FIXED WINDOWS SHALL BE A MINIMUM OF 1/4 INCH CLEAR TEMPERED GLASS, GLAZED WITHIN WALL SYSTEM EXTRUSIONS AND NOT FASTENED TO EXTERIOR WALLS. GLASS SEALED WITH CONCEALED GASKET SYSTEM.

**NOTES:**

- BOLT STRUCTURE TO EXISTING CONCRETE.

**01 BUS STOP SHELTER**  
SCALE: NONE

PREPARED FOR:



PREPARED BY:



Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38117  
Phone (901) 497-2500

NO	DATE	BY	REVISION DESCRIPTION

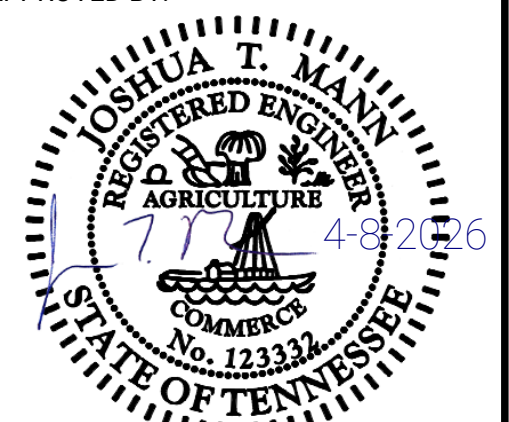
**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

**CIVIL DETAILS**

MEMPHIS, TENNESSEE

CAD FILE: C:\pwworkdir\pwworking\ie\d814586\CK5.00-DETAILS.dwg

APPROVED BY:



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO: <b>CK508</b>	





PREPARED FOR:



PREPARED BY:



Foth Infrastructure & Environment, LLC  
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Memphis, TN 38137  
Phone (901) 497-2500

NO. DATE BY REVISION DESCRIPTION

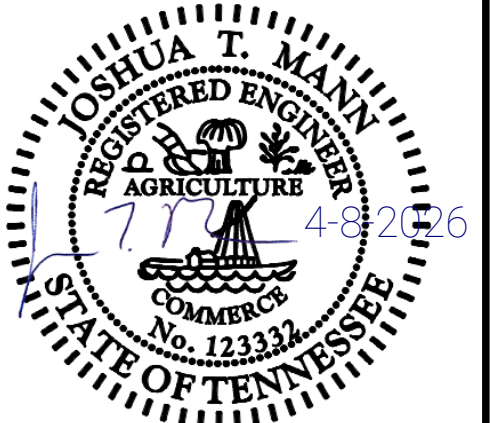
EMPLOYEE PARKING RELOCATION PHASE 5  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

CIVIL DETAILS

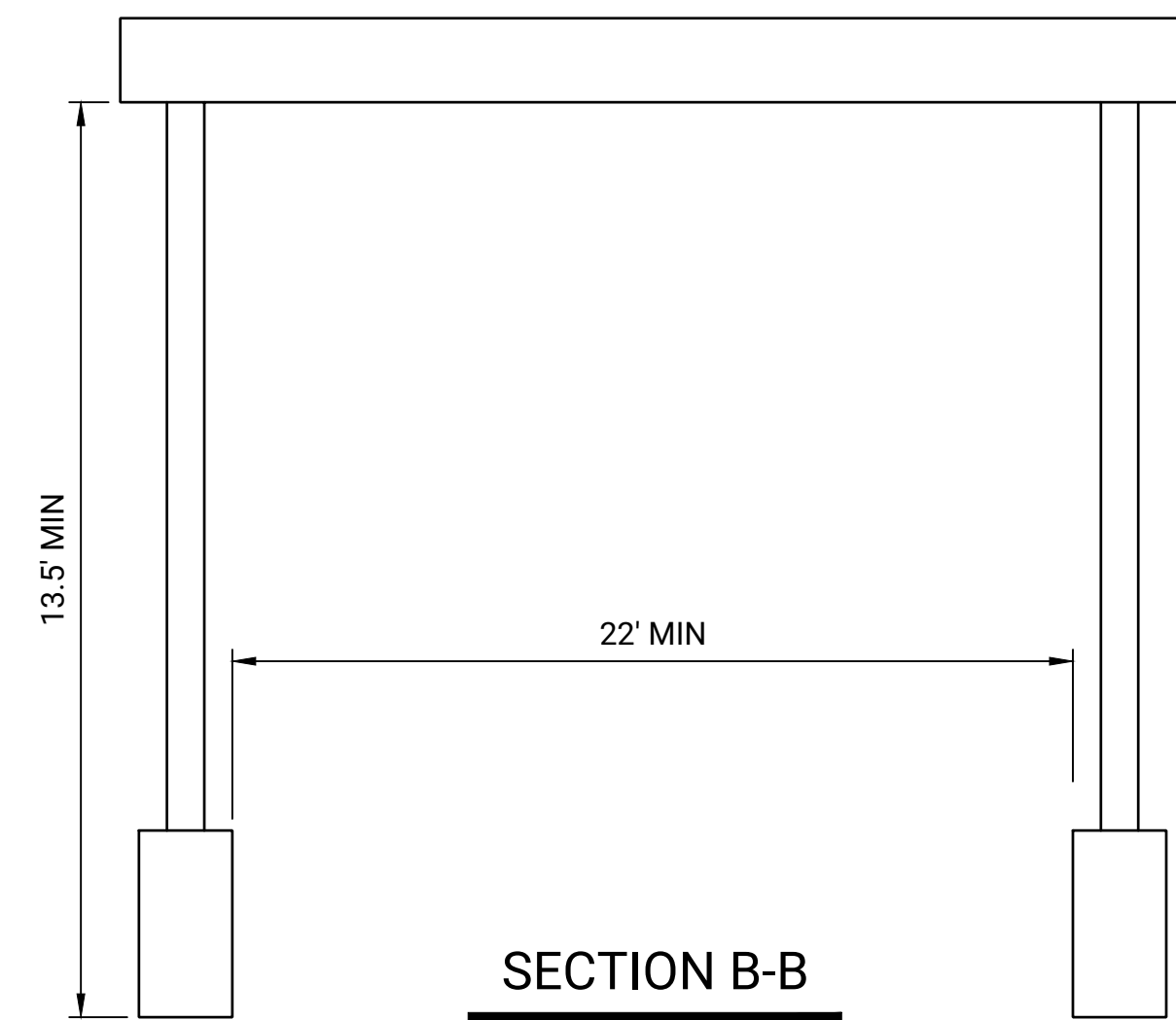
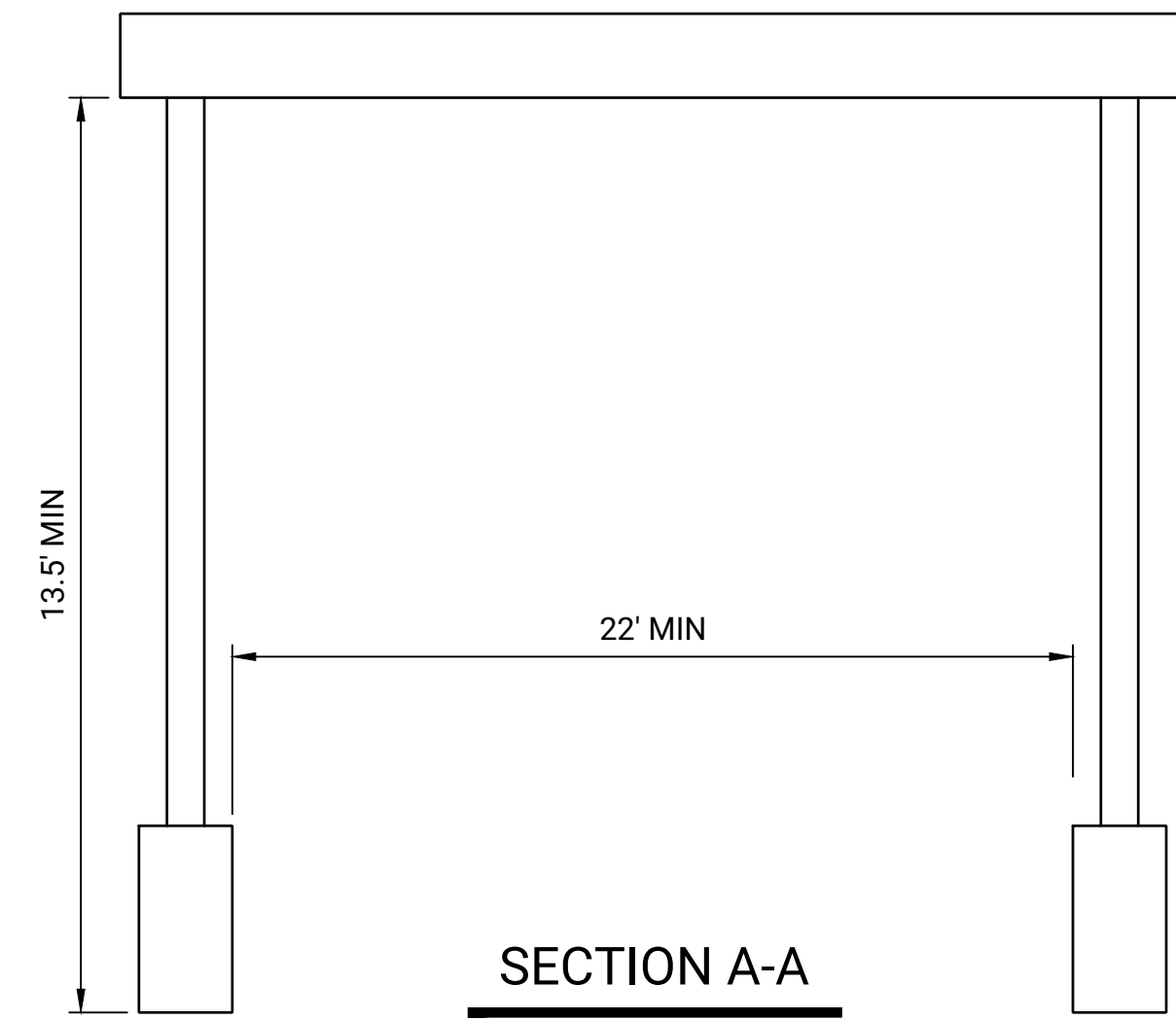
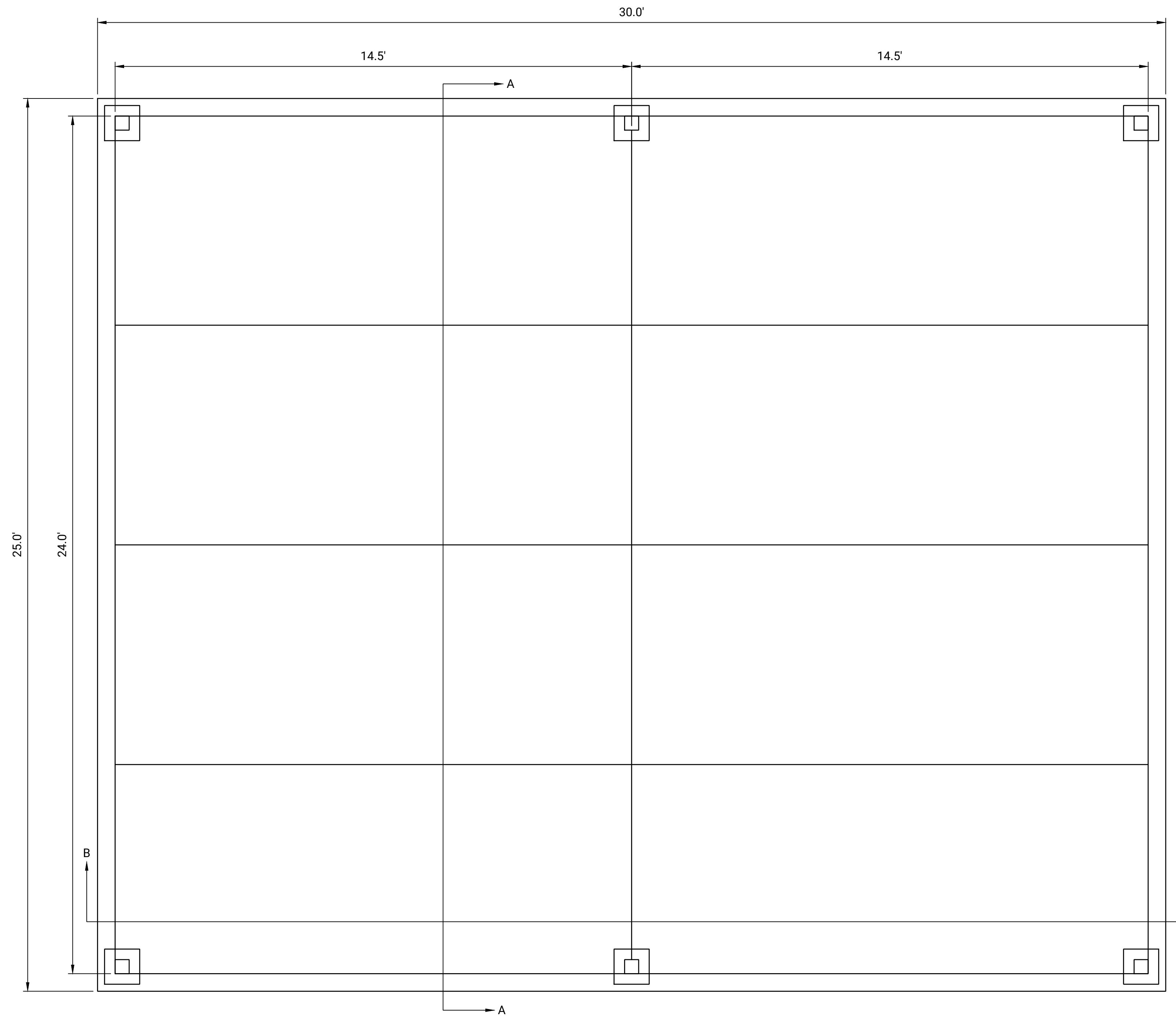
MEMPHIS, TENNESSEE

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APPROVED BY:



DESIGNED: ACJ  
DRAWN: NCR  
CHECKED: WUH  
LETTING DATE: PRINT DATE: 4/8/2026  
PROJECT NO: 24M301.04 SHEET NO: CK511



NOTES:

- 1. CANOPY DRAWING AND INCLUDED INFORMATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE A SUBMITTAL MEETING THE REQUIREMENTS ON THIS DETAIL PRIOR TO PROCUREMENT, SUBJECT TO ENGINEER AND OWNER APPROVAL.
- 2. STRUCTURE AND FOUNDATION DESIGNS MUST BE STAMPED BY A TENNESSEE LICENSED STRUCTURAL ENGINEER.

01 CANOPY FLOOR PLAN

SCALE: NONE





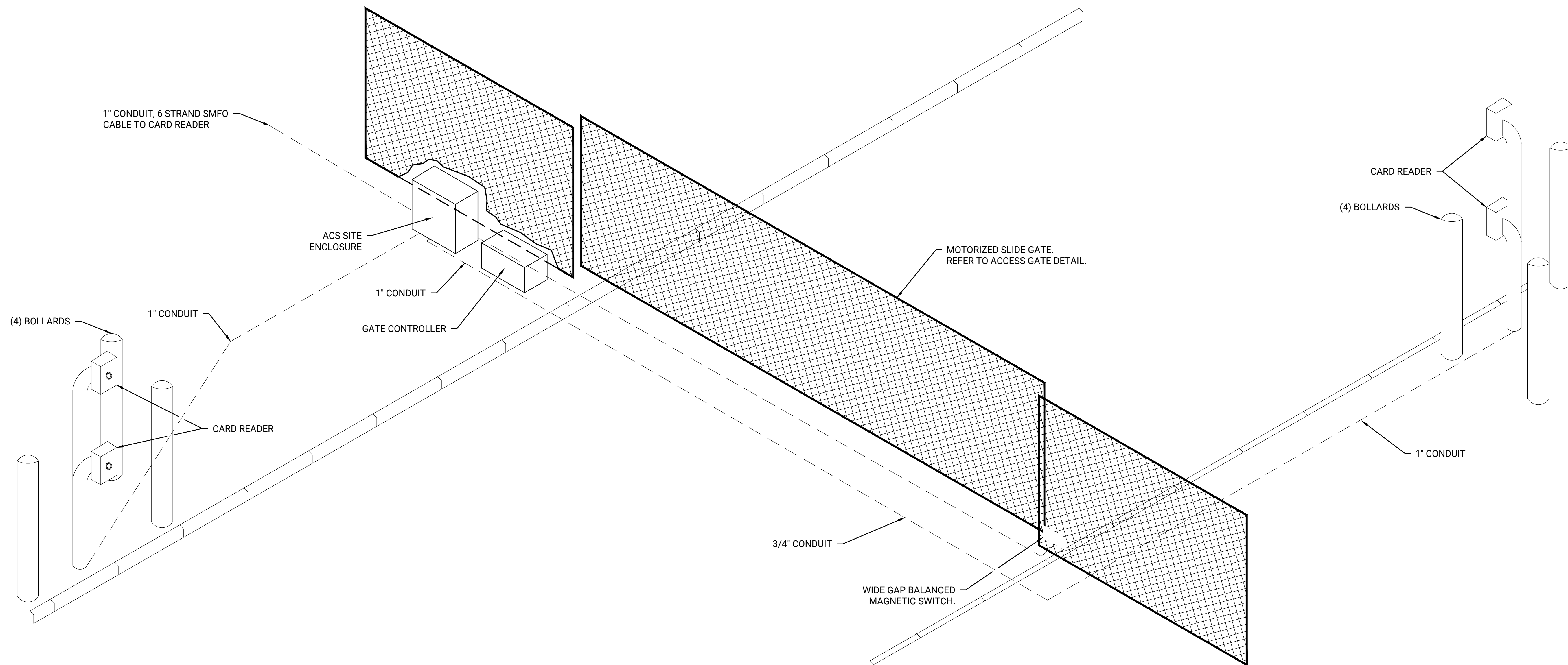
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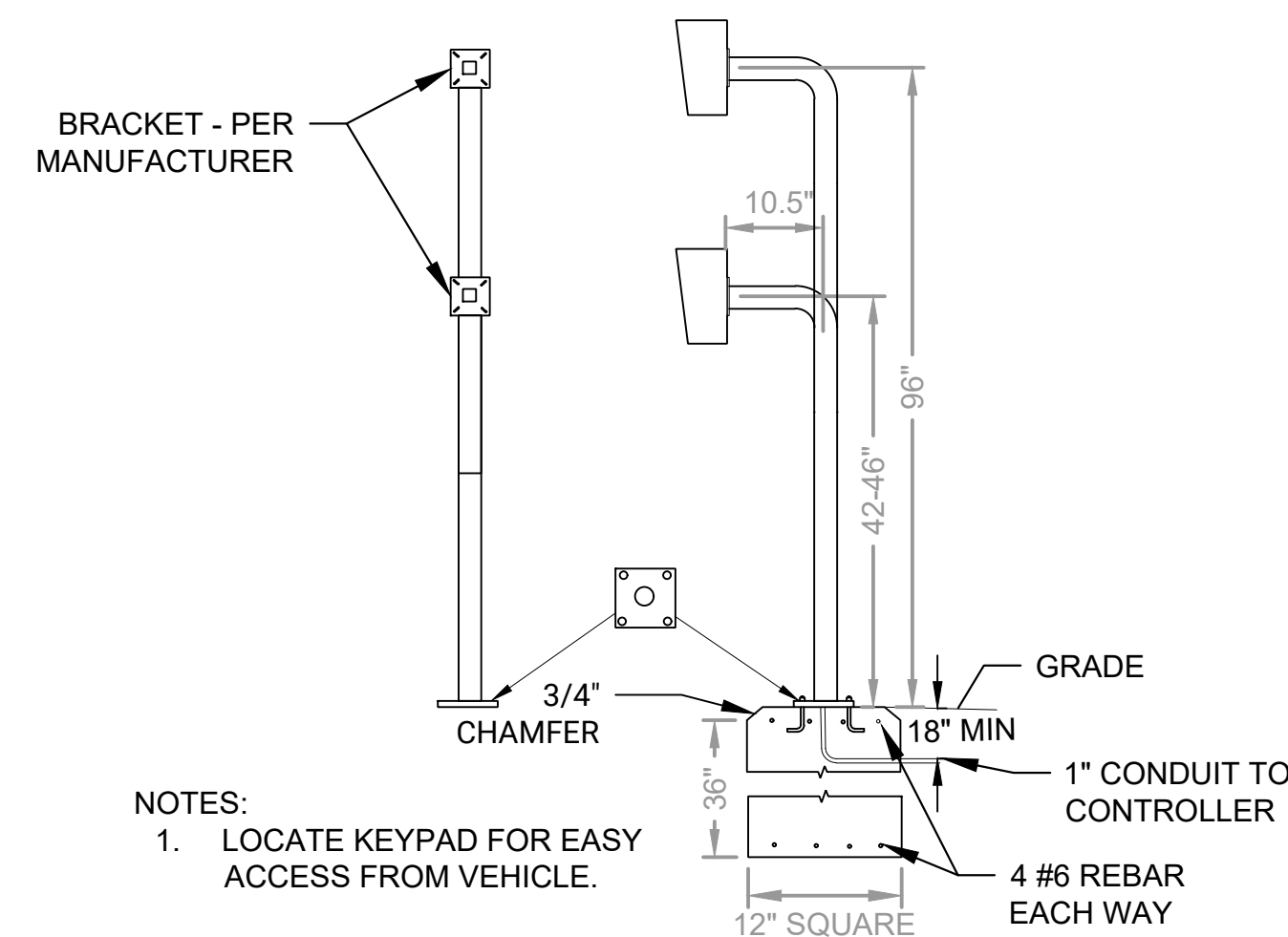
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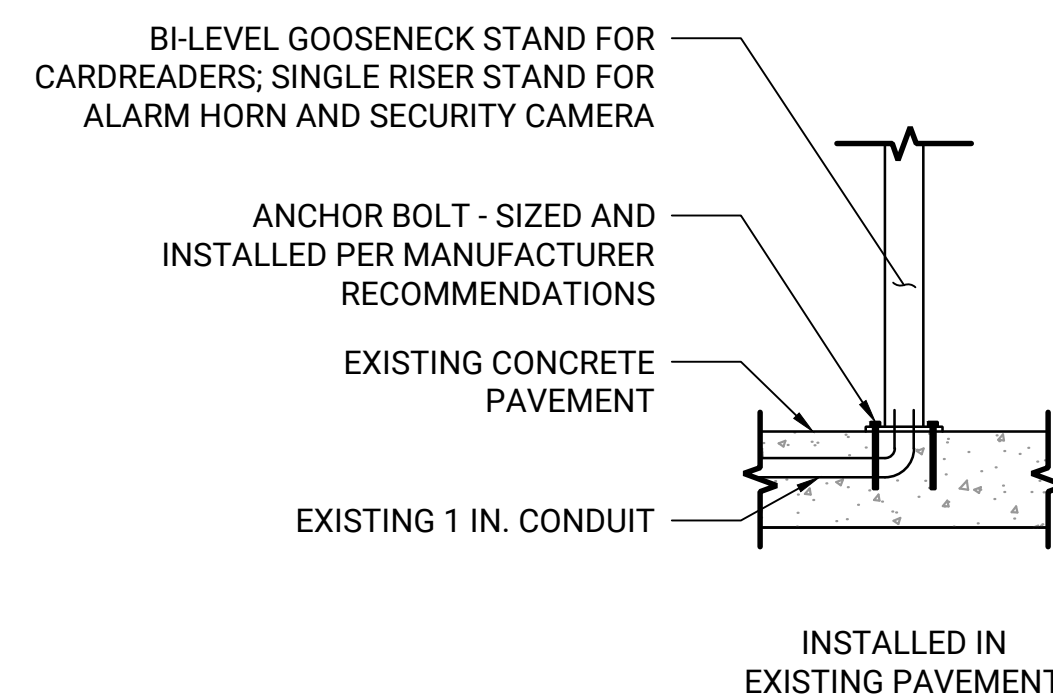
Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38117  
Phone (901) 497-2500



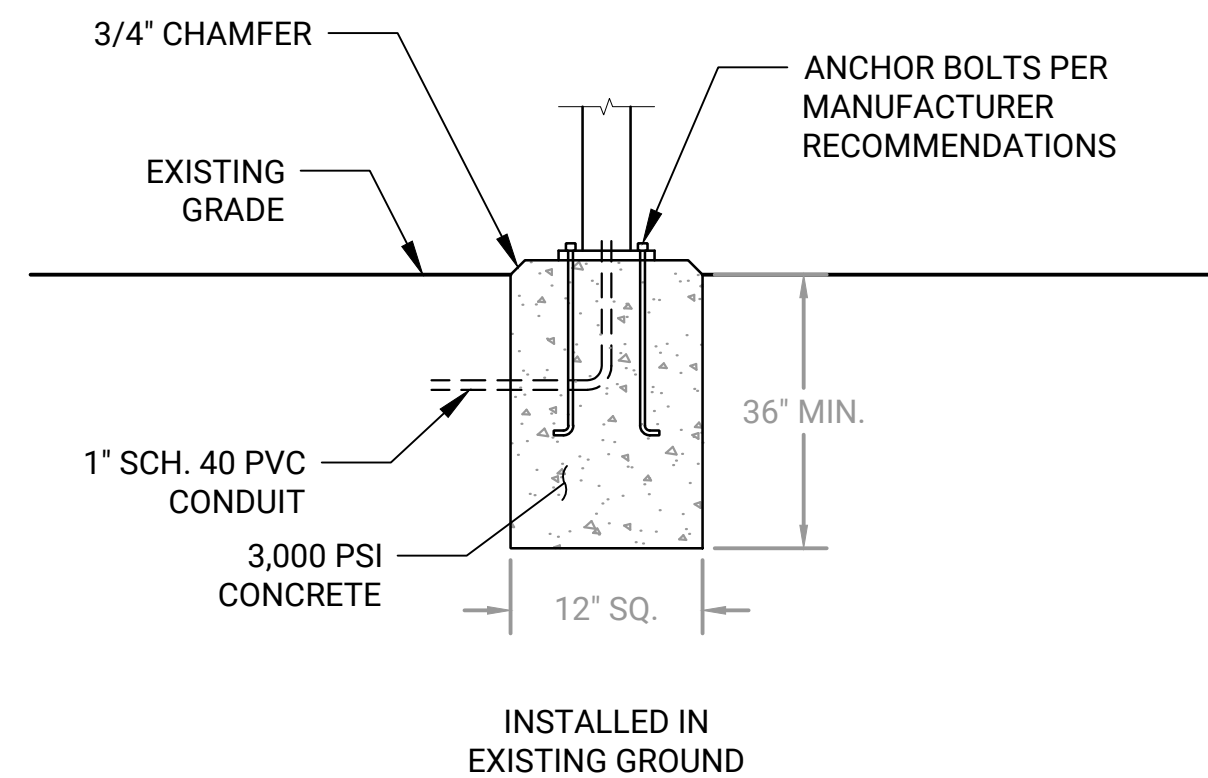
**01 ACCESS GATE LAYOUT**  
SCALE: NONE



**02 CARD READER PEDESTAL DETAIL**  
SCALE: NONE



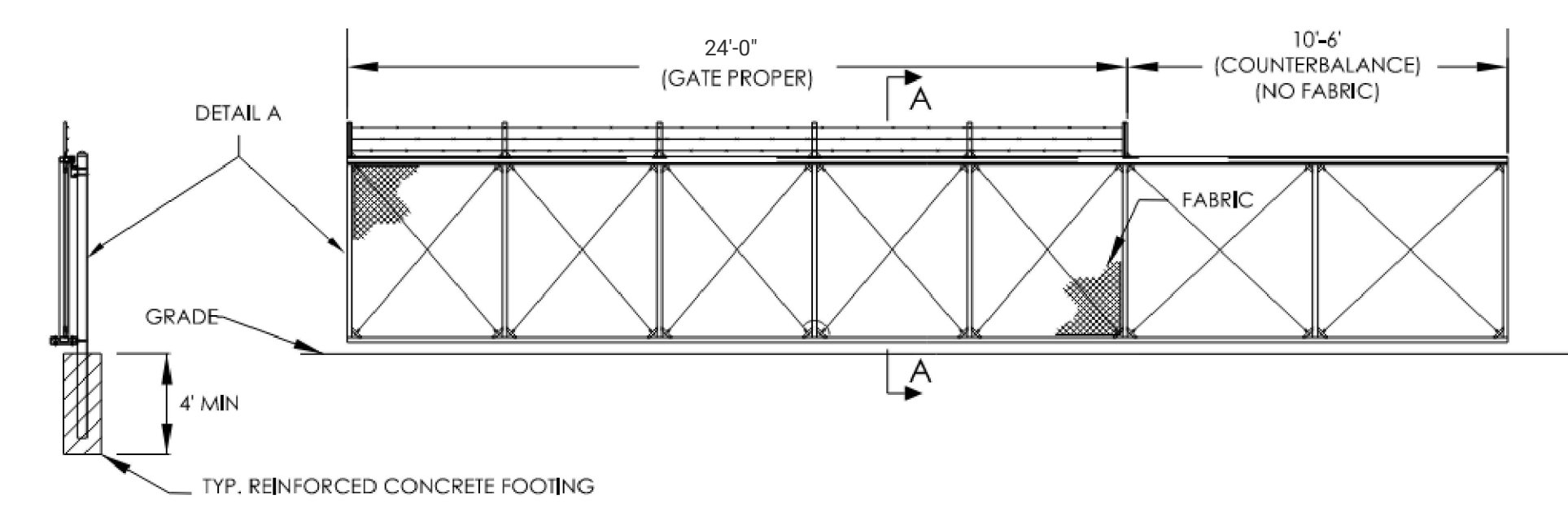
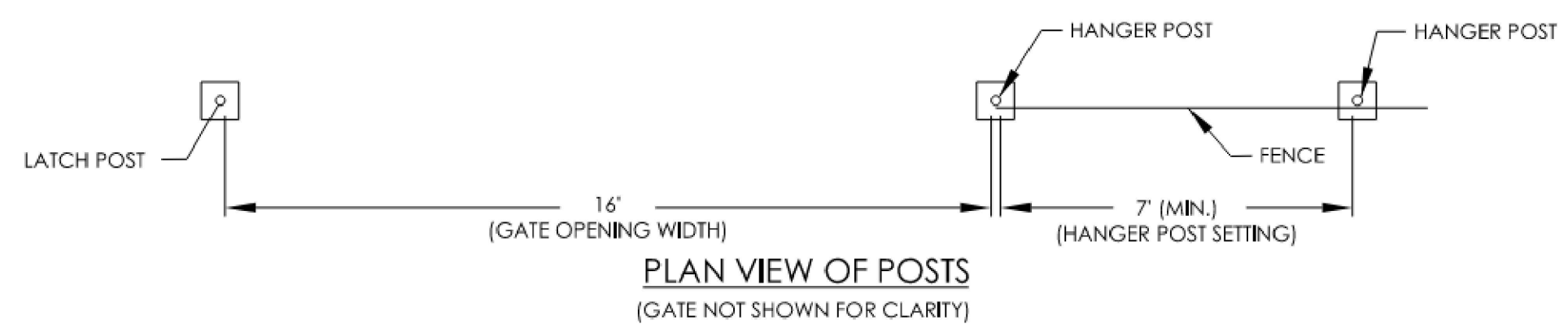
**03 CARD READER PEDESTAL BASE DETAIL**  
SCALE: NONE



NO	DATE	BY	REVISION DESCRIPTION

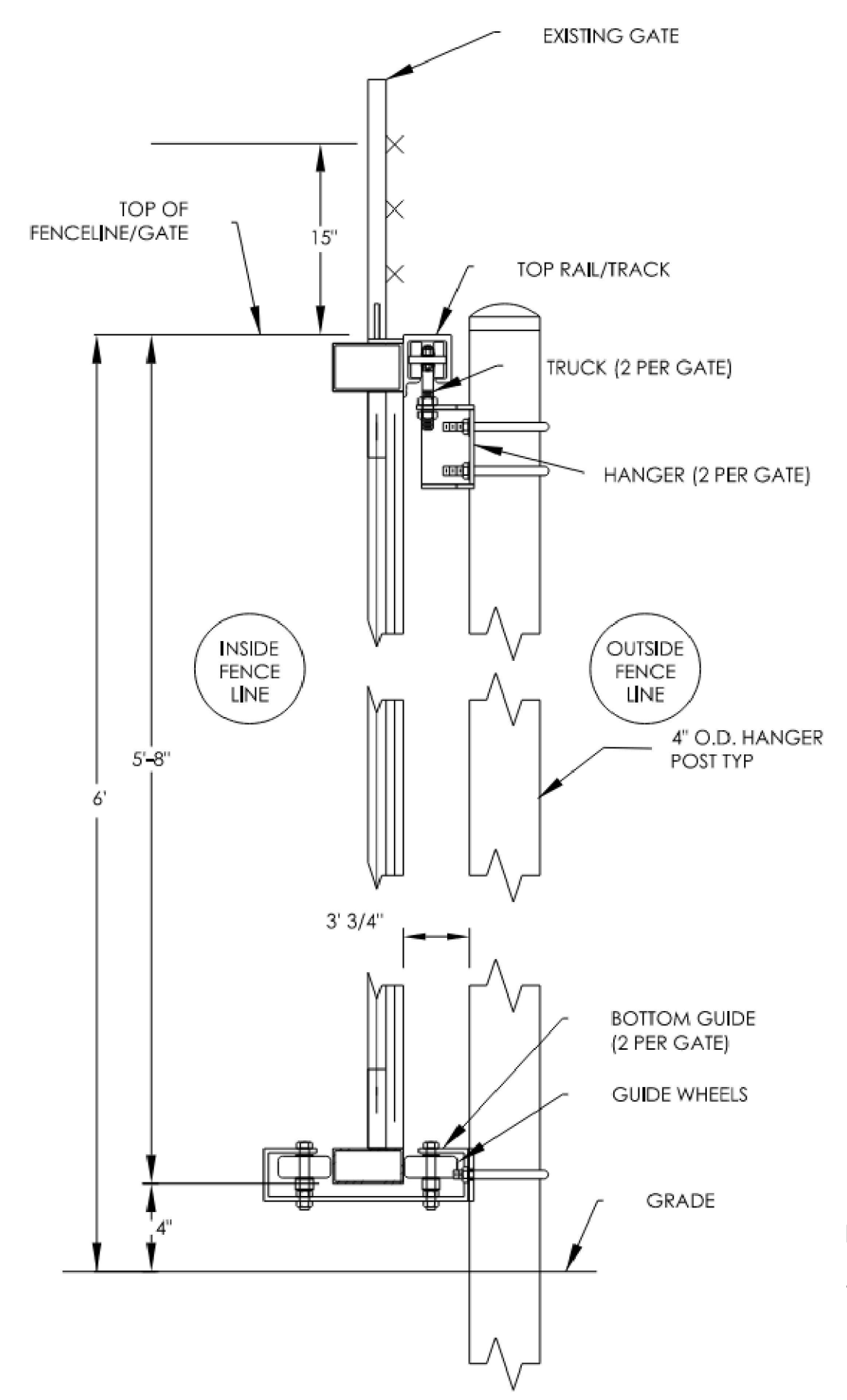
EMPLOYEE PARKING RELOCATION PHASE 5 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY	CIVIL DETAILS	MEMPHIS, TENNESSEE
		CAD FILE: C:\pwworkdir\pwworking\ie\d814586\CK5.00-DETAILS.dwg

APPROVED BY:		
DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO. CK514	

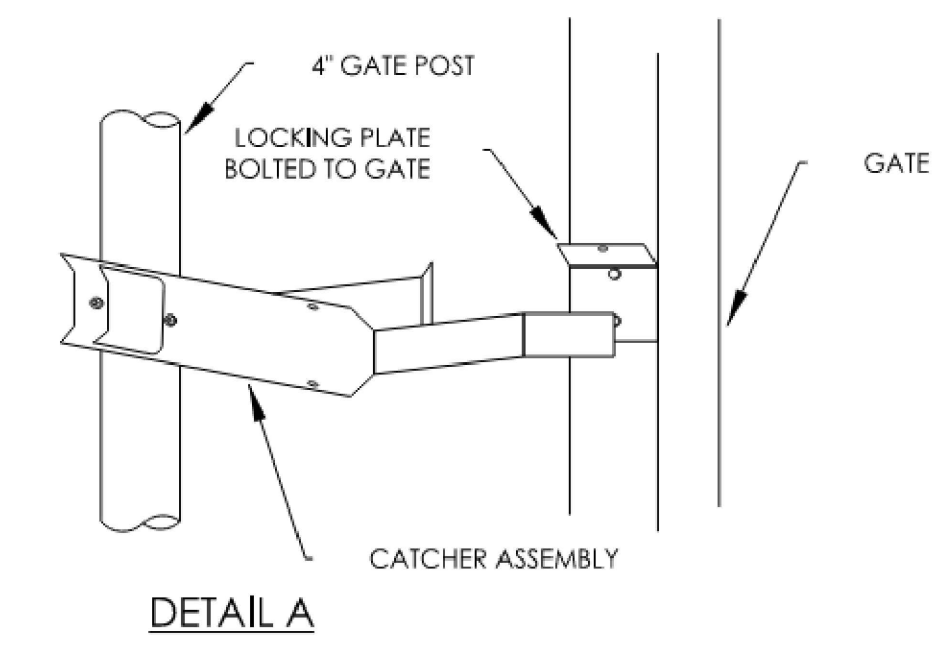


END VIEW  
(W/POSTS)

ELEVATION VIEW  
(POSTS NOT SHOWN FOR CLARITY)



SECTION A-A - GATE PROFILE



DETAIL A

NOTES:

1. ACCESS GATE SHALL CONFORM TO MSCAA AOA SECURITY REQUIREMENTS INCLUDING BUT NOT LIMITED TO 10' HEIGHT, FENCE FABRIC, TENSION WIRE, BARBED WIRE, EXTENSION ARMS, AND 3" GAP MAXIMUM GAPS.
2. CONTRACTOR SUBMITTALS AND INSTALLATION SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER AND OWNER.

**01 ACCESS GATE DETAIL**  
SCALE: NONE

PREPARED FOR:



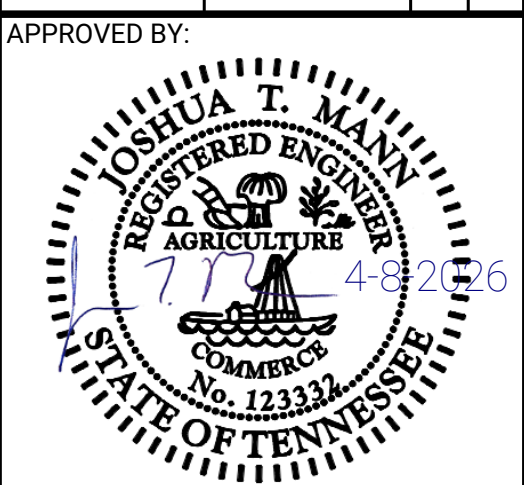
PREPARED BY:



Foth Infrastructure & Environment, LLC  
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Memphis, TN 38137  
Phone (901) 497-2500

NO	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION PHASE 5 MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY	CIVIL DETAILS	MEMPHIS, TENNESSEE
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DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO. CK515	

120/208V 3PH, 4W PANELBOARD

277/480V 3PH, 4W PANELBOARD

WIRE IN CONDUIT RUN PVC UNDER GROUND AND IMS ABOVE GROUND

INDICATES GROUNDING CONDUCTOR

NOTE INDICATION

WP WEATHERPROOF

EX EXISTING

UOI UNLESS OTHERWISE INDICATED

NEW NEW ITEM

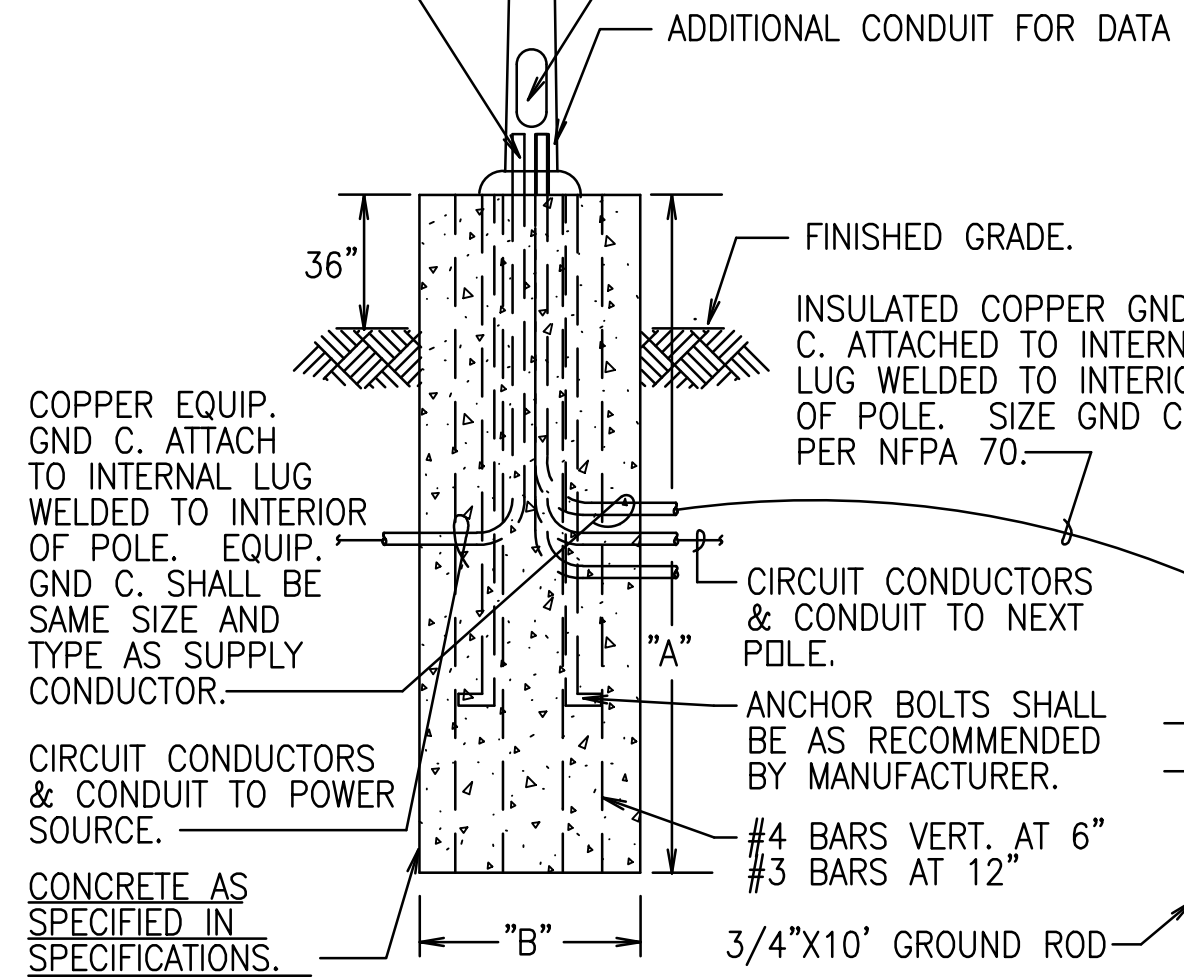
S SINGLE-POLE SWITCH

(2) COOPER LIGHTING "GALN-SA9D-750-U-T4FT\_69976 lu\_1" FIXTURES @ 180 DEGREES ON A SINGLE 35' ROUND TAPERED POLE PROVIDE 480 VOLT FIXTURES WITH INDIVIDUAL PHOTOCELLS ON EACH FIXTURE AND INDIVIDUAL FUSES IN POLE BASE (EACH). PROVIDE CONCRETE POLE BASE PER DETAIL C2 ON THIS SHEET.

(2) COOPER LIGHTING "GALN-SA9D-750-U-T4FT\_69976 lu" FIXTURES @ 90 DEGREES ON A SINGLE 35' ROUND TAPERED POLE PROVIDE 480 VOLT FIXTURES WITH INDIVIDUAL PHOTOCELLS ON EACH FIXTURE AND INDIVIDUAL FUSES IN POLE BASE (EACH). PROVIDE CONCRETE POLE BASE PER DETAIL C2 ON THIS SHEET.

COOPER LIGHTING "CANOPY LIGHT" FIXTURES PROVIDE ALL ADDITIONAL SUPPORT TO MOUNT AS INDICATED.

STANDARD OR POLE AS SPECIFIED.  
HANDHOLE - SEE POLE SPECIFICATION  
PVC CONDUIT STUBBED UP ADJACENT TO HANDHOLE, NUMBER AND SIZE AS REQUIRED.  
ADDITIONAL CONDUIT FOR DATA



LEGEND  
GND C. - GROUNDING CONDUCTOR

POLE HT.	A	B
8' - 12'	60"	12"
13' - 20'	66"	16"
21' - 30'	96"	24"
31' - 40'	102"	30"

PANELBOARD EMPHV SCHEDULE														
60 AMP MAIN CKT. BREAKER, 277/480 VOLT, 3 PHASE, 4 WIRE, 10 K.A.I.C. MINIMUM, SURFACE MOUNTED, 60HZ														
LOAD SERVED	LOAD (VA)			BKR. SIZE	CKT. NO.	PHASE			BKR. SIZE	CKT. NO.	LOAD (VA)			
	A	B	C			A	B	C			A	B	C	
LIGHTS	4500			30/2	1				2	20	0	0	0	SPARE
		4500							4	20				SPARE
LIGHTS			2250	30/2	5				6	20			0	SPARE
	2250								8	20/3	475	1580	285	PANEL EMPLV
SPARE		0	0	30/2	9									
SUBTOTAL	6750	4500	2250								475	1580	285	
TOTALS	PHASE A			PHASE B			PHASE C			TOTAL			TOTAL AMPS:	
	7225			6080			2535			15840 VA			55.02	

MINI-POWER PANEL EMPLV SCHEDULE														
60 AMP MAIN CIRCUIT BREAKER, 208 /120 VOLTS, 3 PHASE, 4WIRE, 10 K.A.I.C. MIN., SURFACE MTD. 60HZ														
LOAD SERVED	LOAD (VA)			BKR. SIZE	CKT. NO.	PHASE			BKR. SIZE	CKT. NO.	LOAD (VA)			
	A	B	C			A	B	C			A	B	C	
South Entrance #1	95			20/2	1				2	20/2	95			Bus Entrance
South Entrance #2		95	95	20/2	5				6	20/2		95	95	Bus Exit
South Exit #1	95								10	20/1		1200		Comm Box
South Exit #2		95	95	20/2	13				12	20/1			1400	Bus Readers
South Exit #2	95								14	20/1	0			Bus Readers
South Exit #2		95							16	20/1		0		SPARE
South Exit Readers			1400	20/1	17				18	20/1			0	SPARE
South Ent. Readers	1400			20/1	19				20	20/1	0			SPARE
SPARE		0		20/1	21				22	20/1		0		SPARE
SPARE				20/1	23				24	20/1			0	SPARE
SUBTOTAL	1685	285	1590								190	1295	1495	
TOTALS	PHASE A			PHASE B			PHASE C			TOTAL			TOTAL AMPS:	
	1875			1580			3085			6540 VA			22.72	

C1 LEGEND - ELECTRICAL

NO SCALE

C2 POLE BASE DETAIL

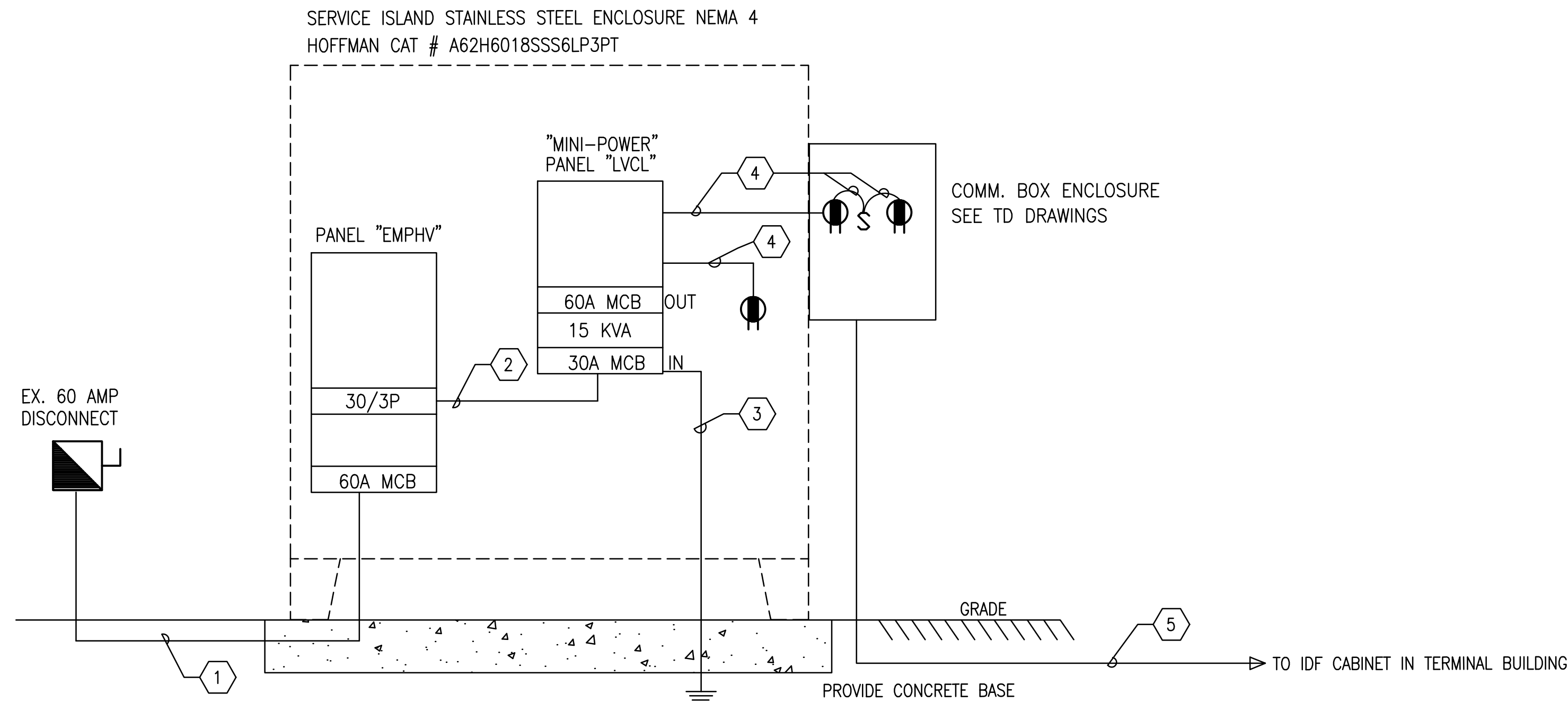
NO SCALE

C3 PANEL SCEDULES

NO SCALE

GENERAL NOTES:

- ALL POWER CIRCUITRY INSIDE POLE SHALL BE RUN IN MC CABLE.
- ALL POWER CIRCUITRY RUN IN EXISTING CONCRETE OR ASPHALT SHALL TRENCHED IN LIEU OF OPEN CUTTING. SEE DTALS ON E02
- ANY PROPOSED LIGHTING SUBSTITUTIONS SHALL MEET THE FOLLOWING CRITERIA:  
\*AVERAGE FOOTCANDLE LEVEL OF 4.9 FC \*MINIMUM MAINTAINED FOOTCANDLE LEVEL OF 1.4 FC \*FIXTURE MAX/MIN UNIFORMITY RATIO NOT TO EXCEED 10:1 \*MAXIMUM SITE WATTAGE SHALL NOT EXCEED 8,346 WATTS \*REPORTED LUMEN MAINTENANCE SHALL BE GREATER THEN 97% AFTER 50,000 HOURS OF LUMINAIRE OPERATION IN AN AMBIENT ENVIRONMENT OF 40°C PER TM-21-11 GUIDELINES.
- ALL PROPOSED FIXTURE SUBSTITUTIONS SHALL BE PROVIDED WITH FULL POINT-BY-POINT PHOTOMETRIC CALCULATIONS THAT SHOW COMPLIANCE WITH THE LISTED CRITERIA FROM GENERAL NOTE 3 ABOVE.
- LIGHT ENGINES MUST FEATURE A QUICK DISCONNECT AND BE FIELD ROTATABLE.
- DRIVERS AND 10KV SURGE MODULES SHALL BE MOUNTED ON A REMOVABLE POWER TRAY.



FEEDER SCHEDULE: (THIS SHEET ONLY)

- 4#1, #6 GROUND - 2" CONDUIT
- 3#10, #10 GROUND - 1/2" CONDUIT
- NEC GROUND
- 2#12, #12 GROUND - 1/2" RIGID METAL CONDUIT

A1 GENERAL NOTES

NO SCALE

A2 SINGLE-LINE - ELECTRICAL

NO SCALE

PREPARED FOR:

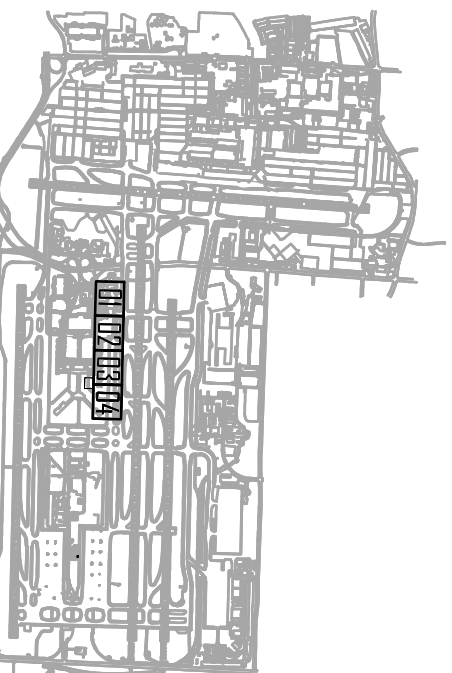


PREPARED BY:



Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38137  
Phone (901) 497-2500

KEY MAP:



REVISION DESCRIPTION

BY

DATE

NO

EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

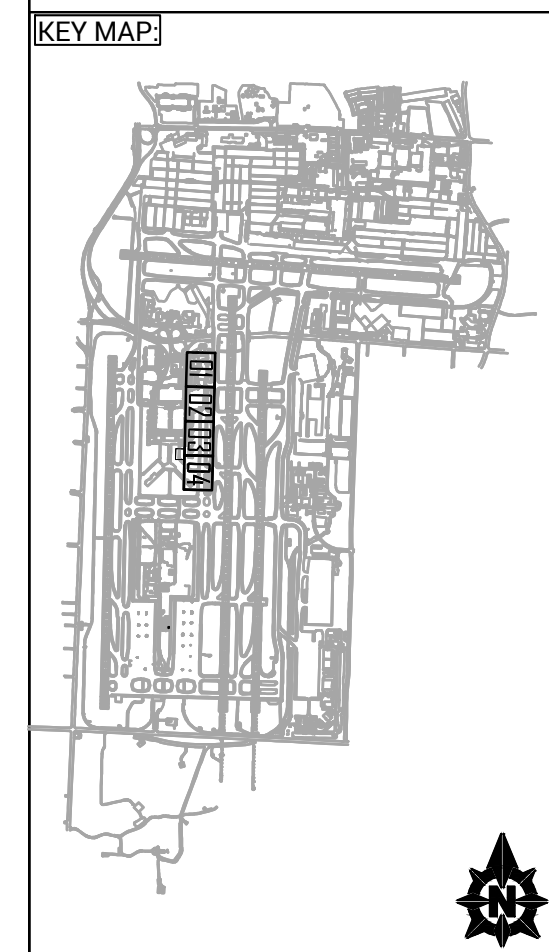
LEGEND AND NOTES -  
ELECTRICAL

MEMPHIS, TENNESSEE  
CAD FILE: H:\63481-MSCAA Lot C Lighting\Elec\E01.dwg

APPROVED BY:



DESIGNED: MSC	DRAWN: MSC	CHECKED: RH
LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO. E0.1	

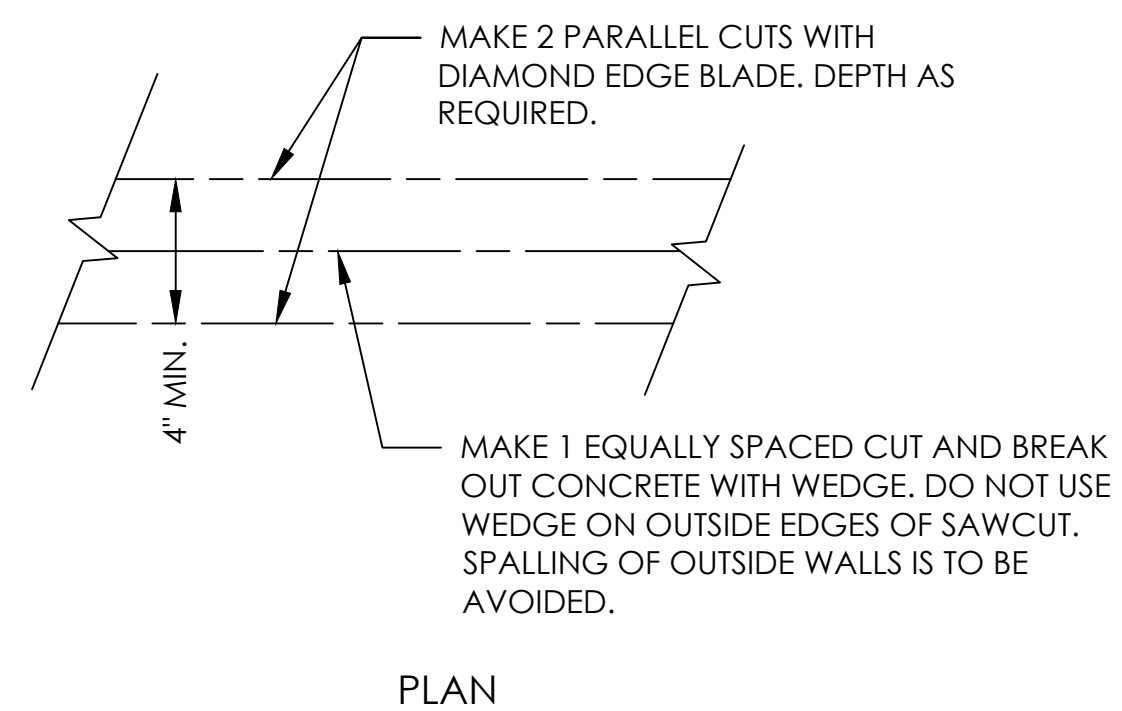


**SEQUENCE OF INSTALLATION IN CONCRETE:**

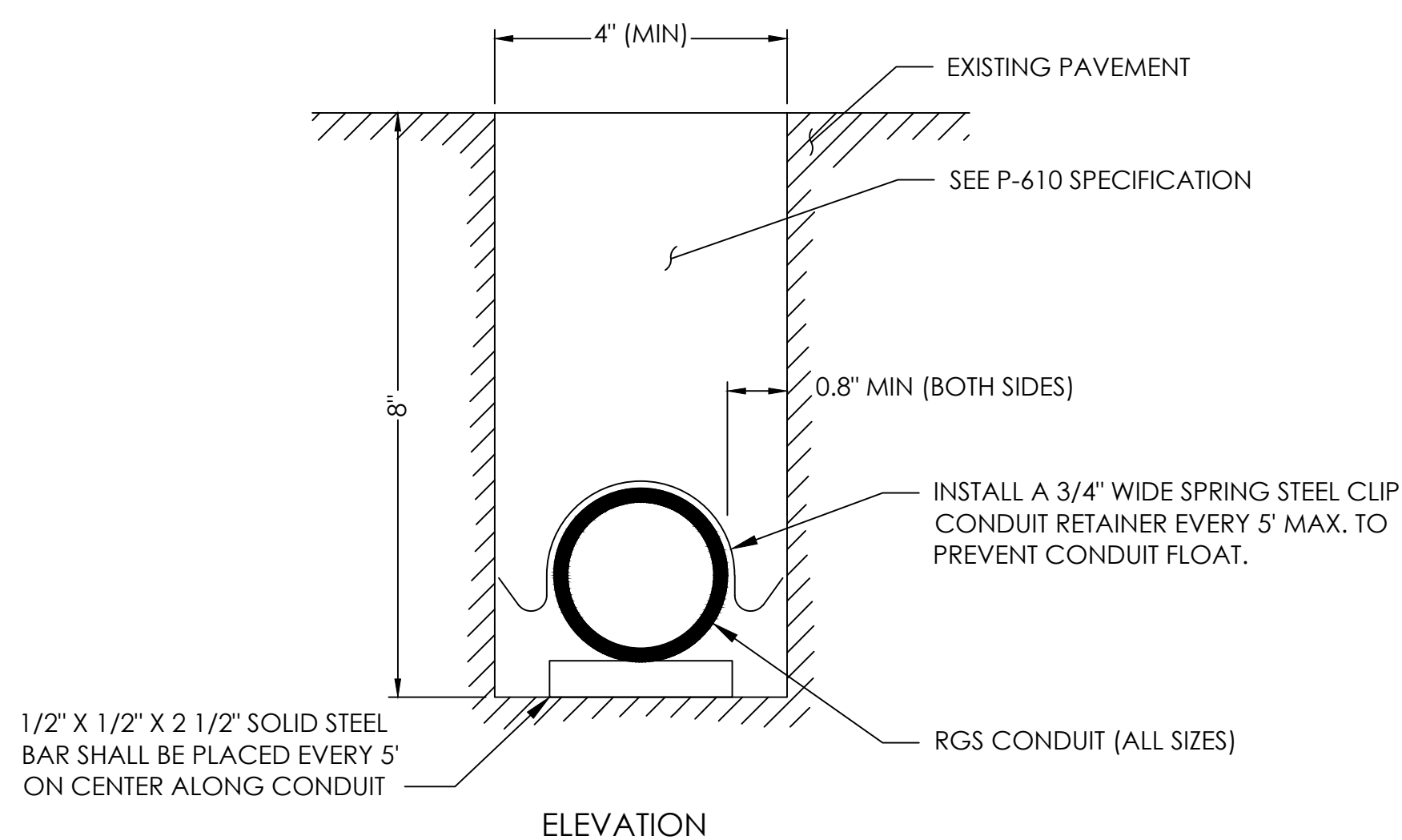
1. TRENCH EXISTING PAVEMENT. SEE DETAIL 1, THIS DRAWING.
2. WATER BLAST EXPOSED SURFACES.
3. INSTALL STEEL CONDUIT AND RETAINERS.
4. APPLY BONDING AGENT.
5. BACKFILL PER P-610 SPECIFICATION.

**NOTES:**

1. CONTRACTOR SHALL INSTALL 1/4" MASONITE FULL DEPTH OF THE IN-PAVEMENT TRENCH AT ALL CONSTRUCTION/CONTRACTION JOINT INTERSECTIONS. SEE DETAIL 3, THIS DRAWING.



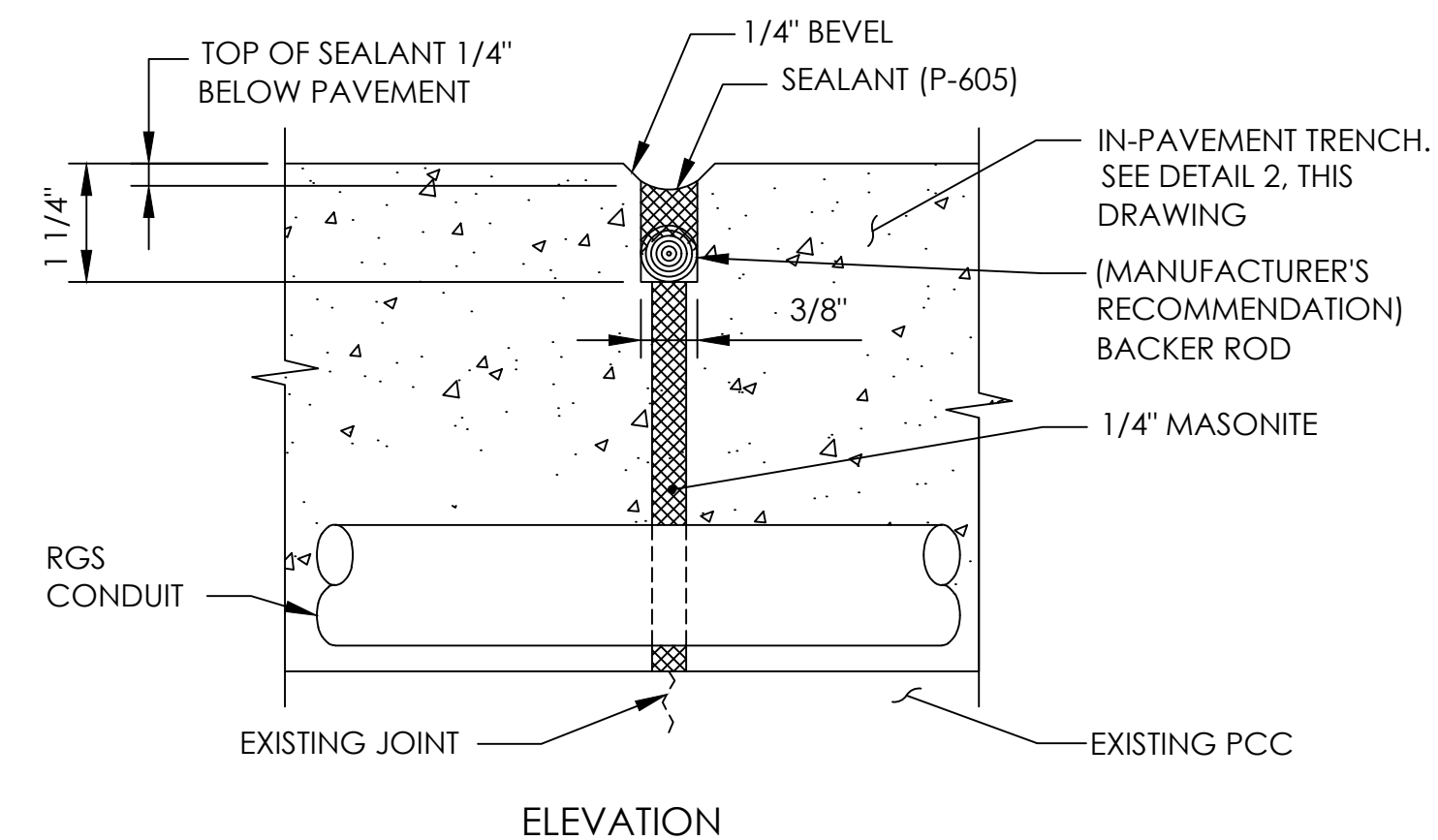
**01 IN-PAVEMENT TRENCH FORMATION-CONCRETE**  
SCALE: NONE



**02 CONDUIT INSTALLATION IN IN-PAVEMENT TRENCH**  
SCALE: NONE

**NOTES:**

1. CONTRACTOR SHALL RE-ESTABLISH AND REPAIR ALL EXISTING PAVEMENT JOINTS DAMAGED DURING CONDUIT INSTALLATION.



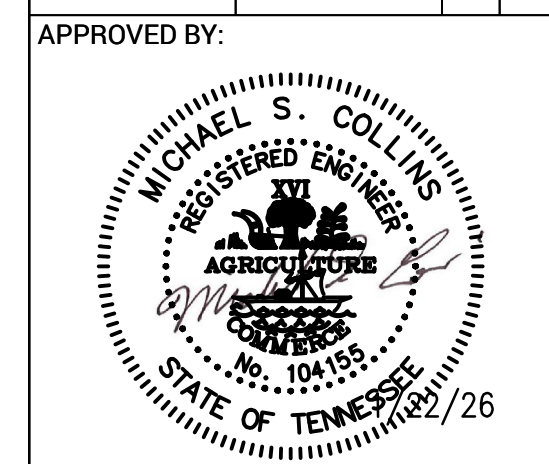
**03 PAVEMENT JOINT AT IN-PAVEMENT TRENCH**  
SCALE: NONE

NO	DATE	BY	REVISION DESCRIPTION

EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

TRENCH DETAILS -  
ELECTRICAL

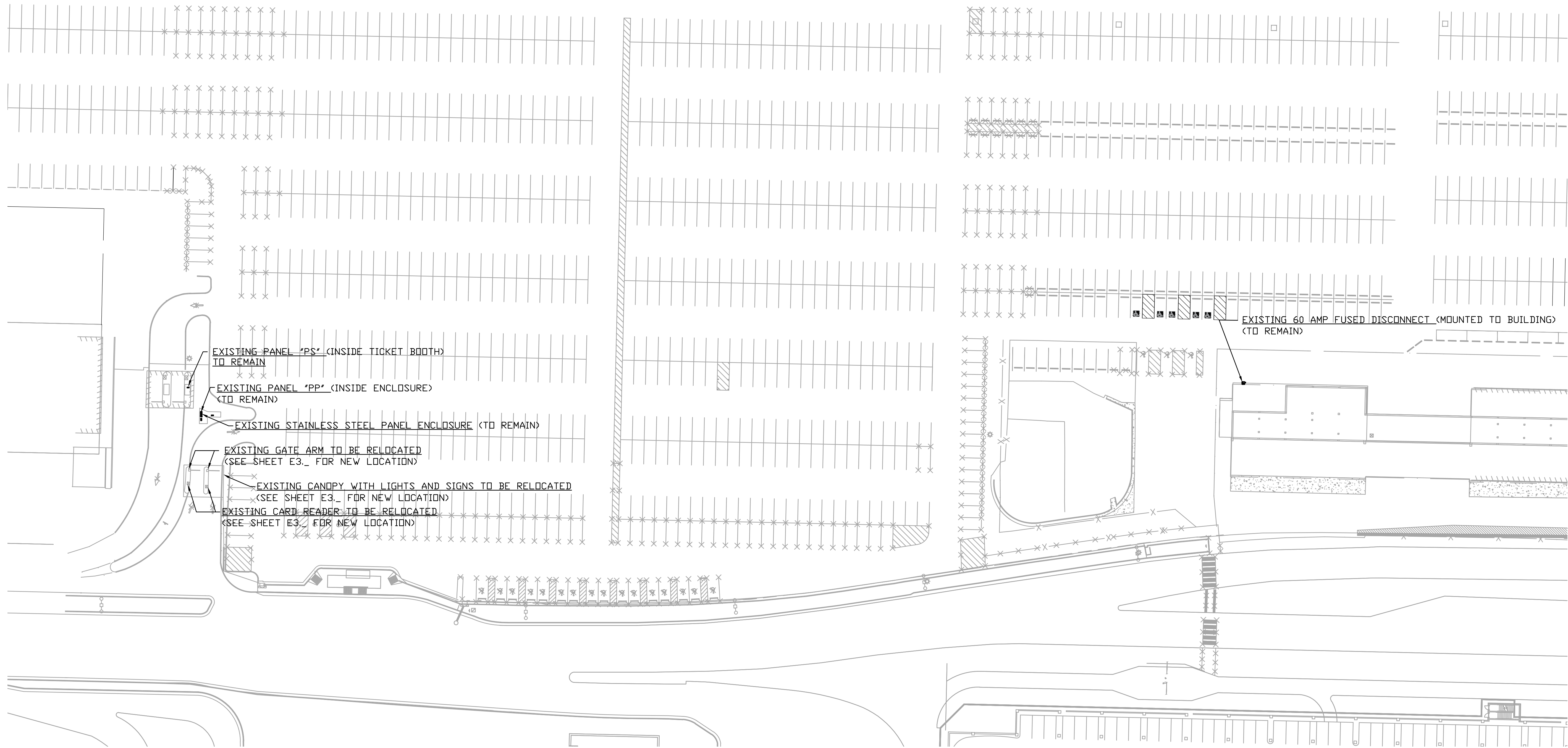
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A1	DETAILS	DESIGNED: MSC	DRAWN: MSC	CHECKED: RH
	NO SCALE	LETTING DATE: MM/DD/YYYY	PROJECT NO: 23M301.02	PRINT DATE: SHEET NO. E0.2

GENERAL NOTES: (THIS SHEET ONLY)

- SEE SHEET E3.1 AND E4.1 FOR RELOCATED EQUIPMENT LOCATIONS.



PREPARED FOR:

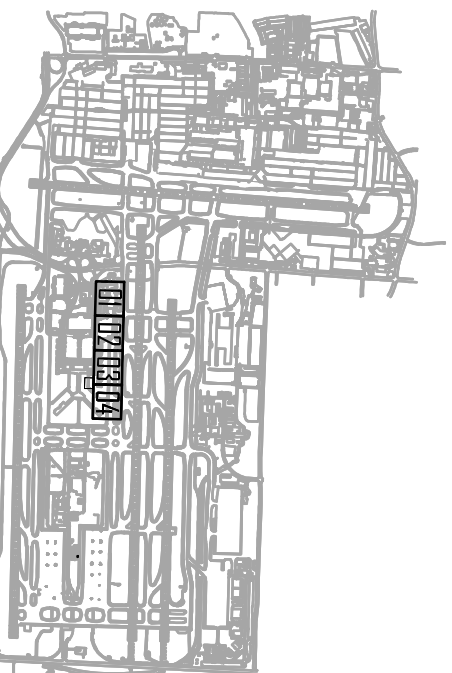


PREPARED BY:



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Memphis, TN 38137  
Phone (901) 497-2500

KEY MAP:



REVISION DESCRIPTION

BY

NO DATE

EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

PARTIAL SITE PLAN -  
ELECTRICAL DEMO

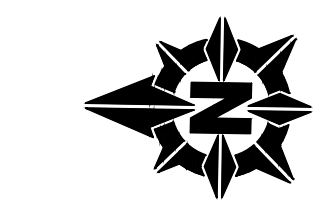
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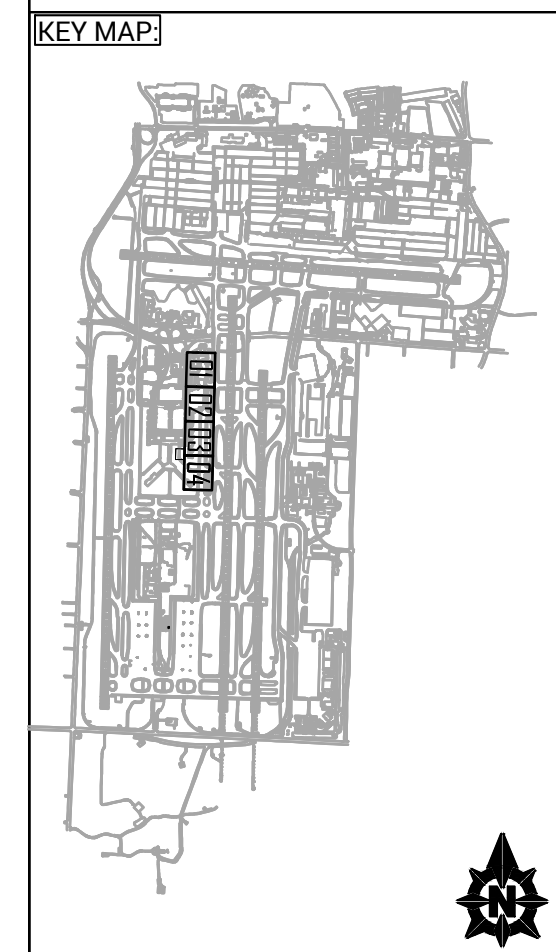
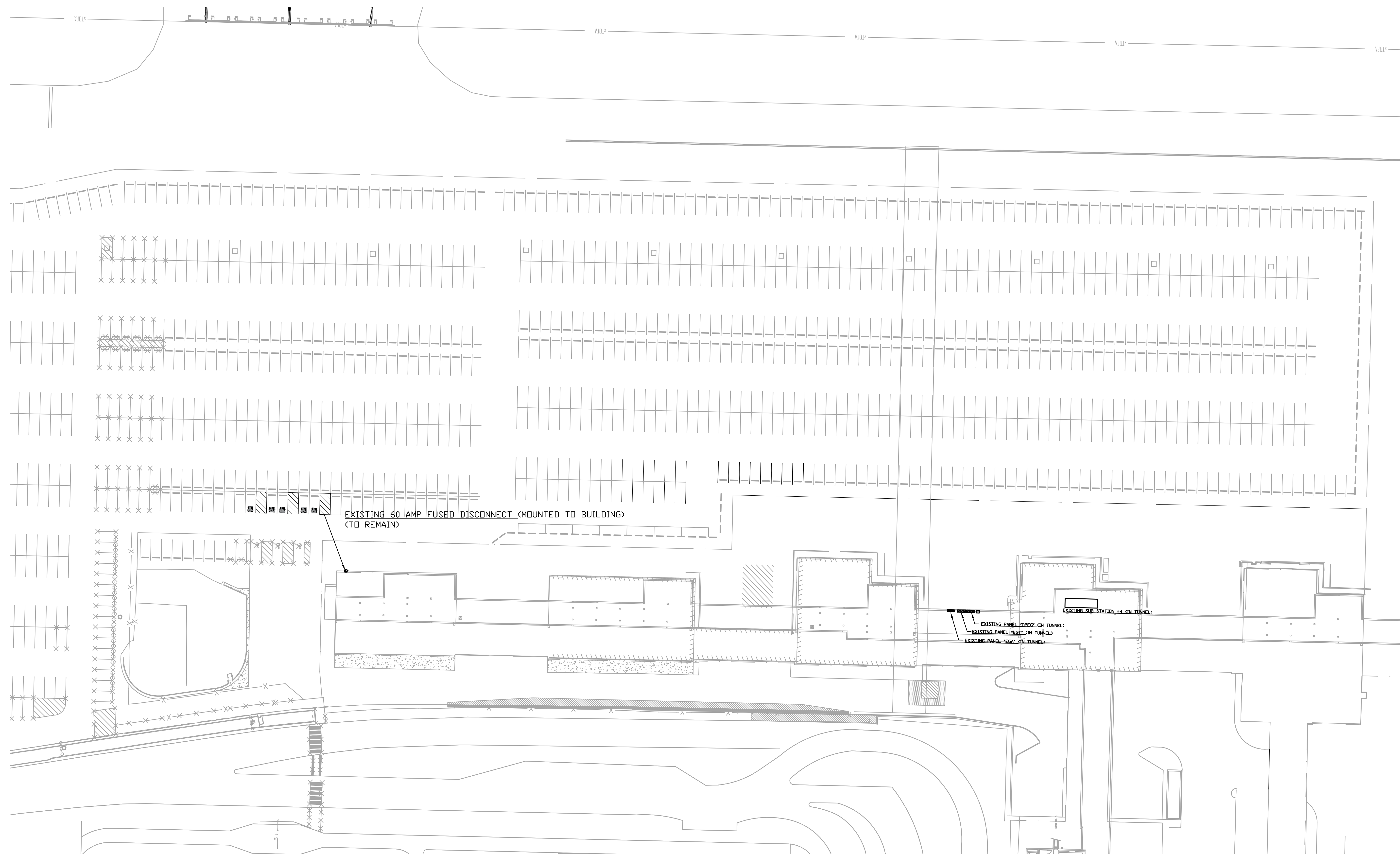
APPROVED BY:



DESIGNED: MSC	DRAWN: MSC	CHECKED: RH
LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO. E1.1	



0 40 80  
scale feet

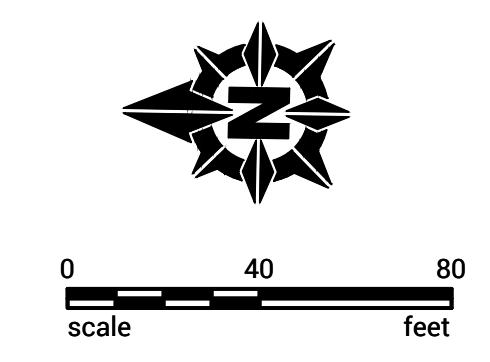
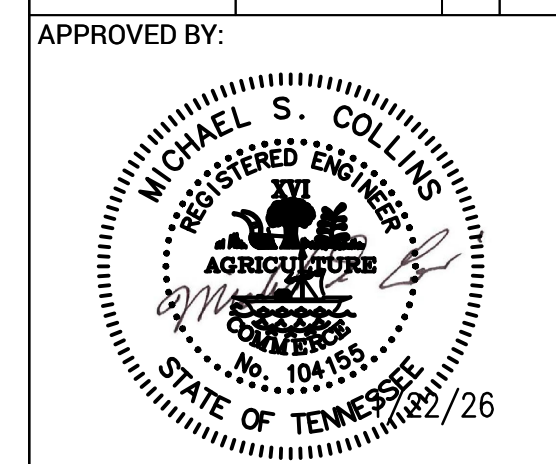


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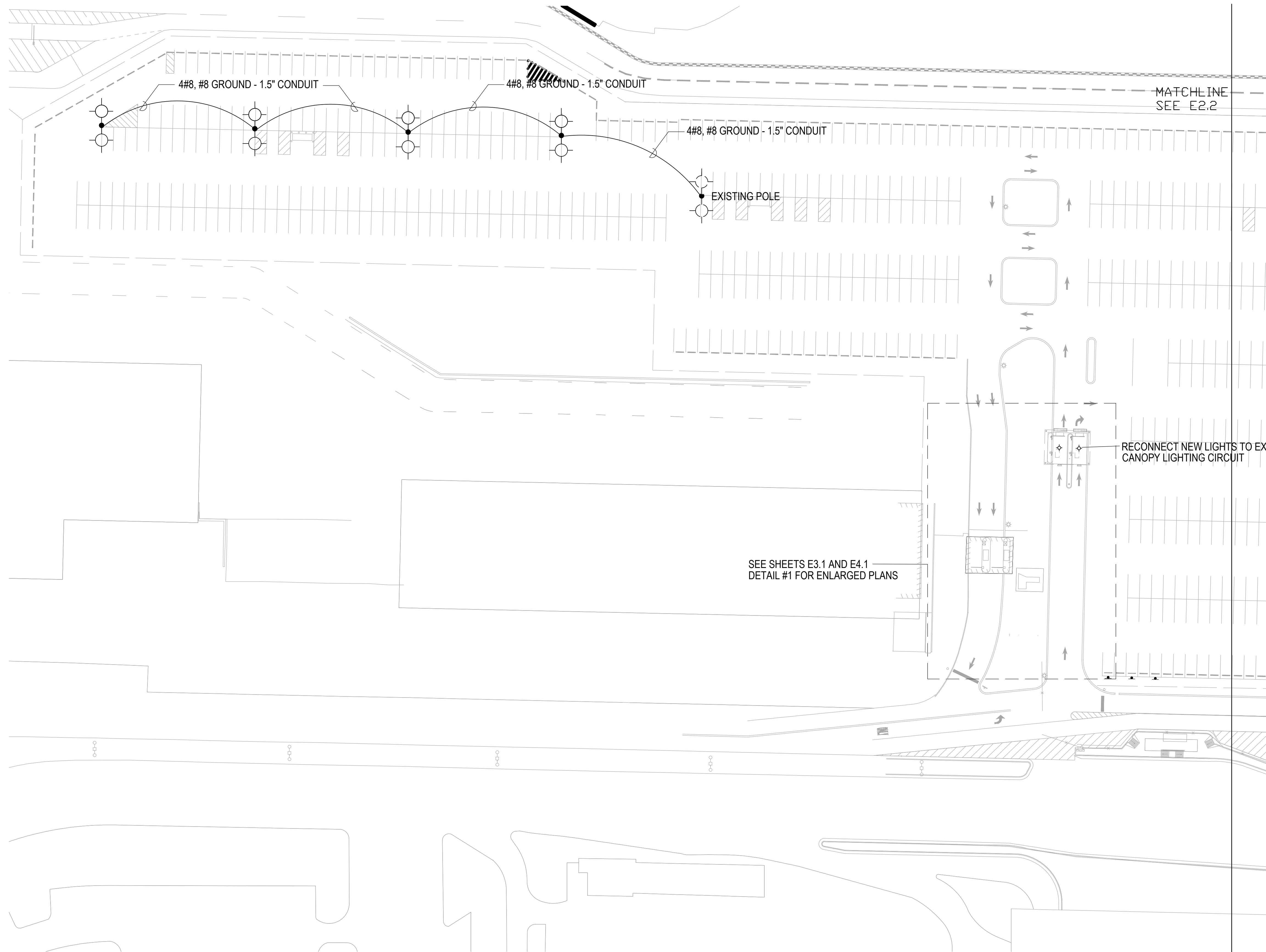
EMPLOYEE PARKING RELOCATION  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY

EXISTING TUNNEL PLAN -  
 ELECTRICAL DEMO

MEMPHIS, TENNESSEE  
 CAD FILE: HA\63481 -MSCAA Lot C Lighting\Elec\ED1\_1.dwg



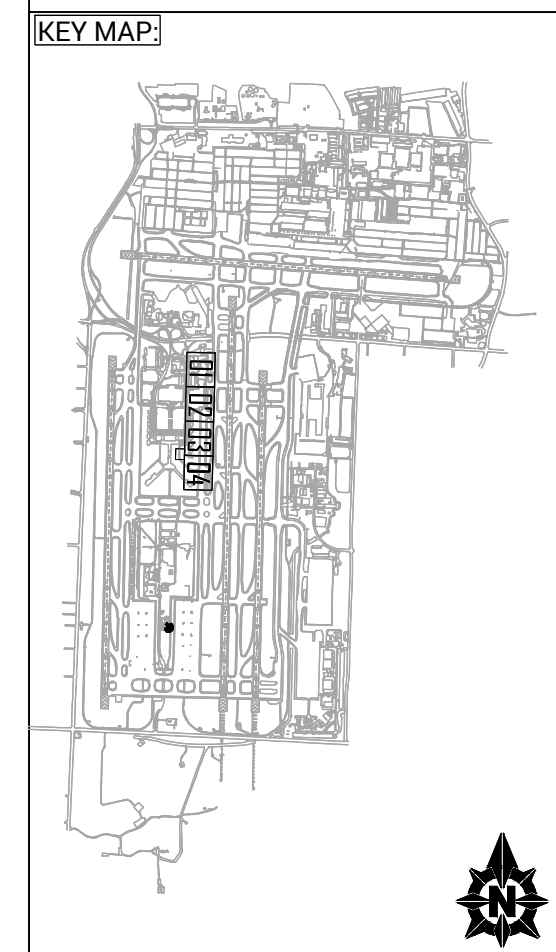
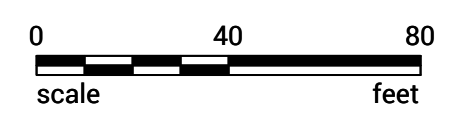
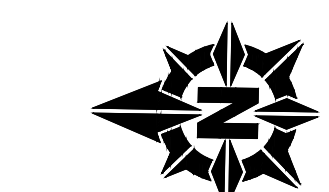
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LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO: E1.2	



MATCHLINE  
SEE E2.2

SEE SHEETS E3.1 AND E4.1  
DETAIL #1 FOR ENLARGED PLANS

RECONNECT NEW LIGHTS TO EX  
CANOPY LIGHTING CIRCUIT



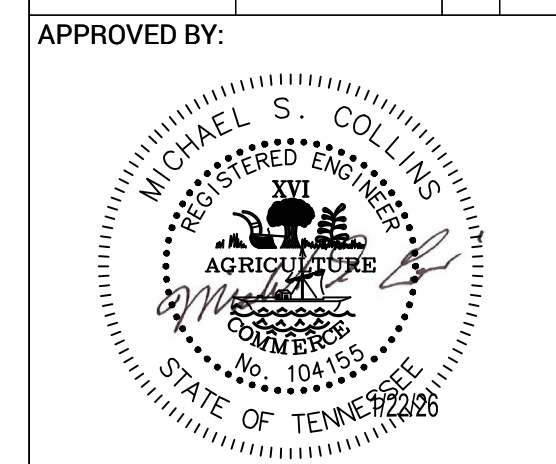
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EMPLOYEE PARKING RELOCATION  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY

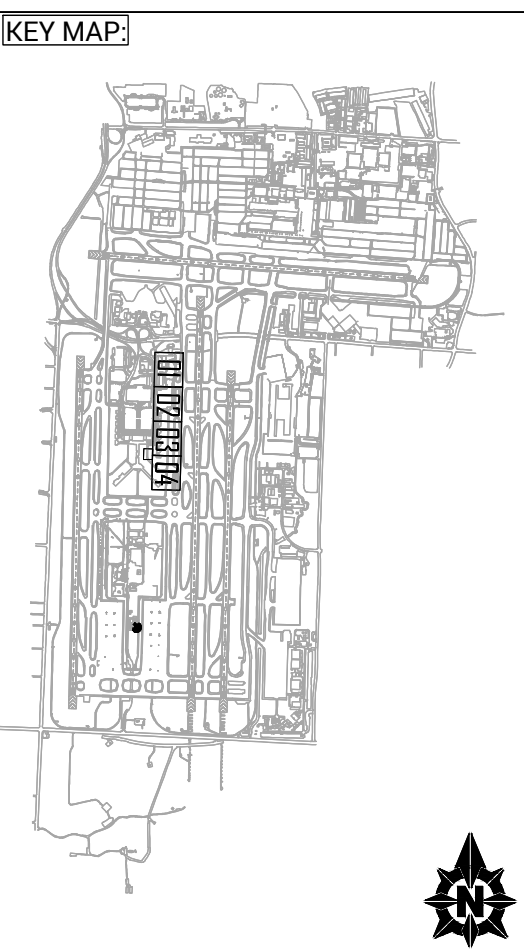
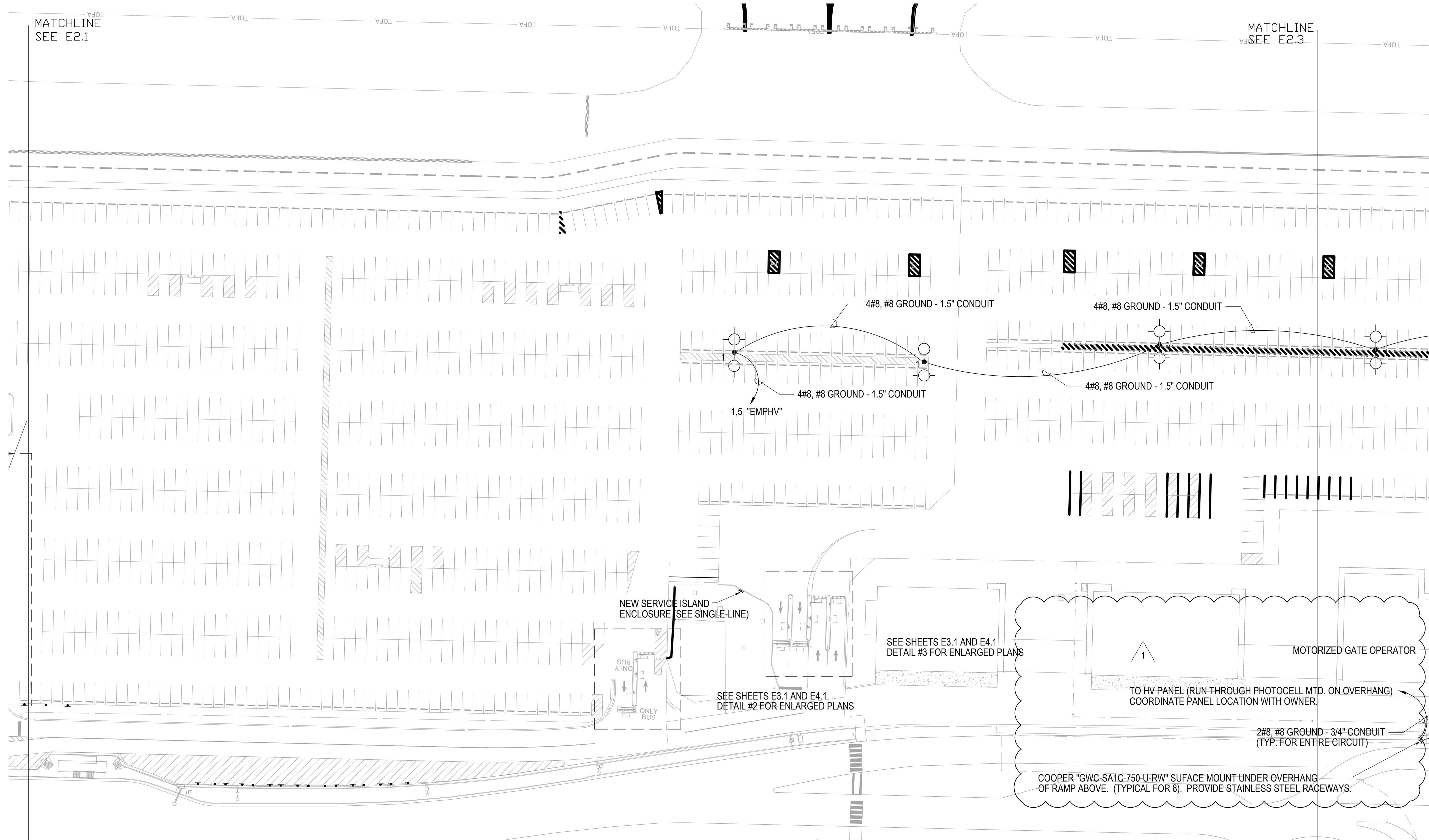
PARTIAL SITE PLAN -  
 LIGHTING

MEMPHIS, TENNESSEE

CAD FILE: HA\63481 -MSCAA Lot C Lighting\Elec\E2.1.dwg



DESIGNED: MSC	DRAWN: MSC	CHECKED: RH
LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO: E2.1	



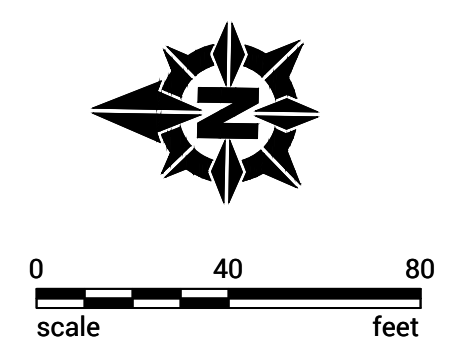
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1	4.10.26	MSC	REV. LIGHTING AND OPERATOR

EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

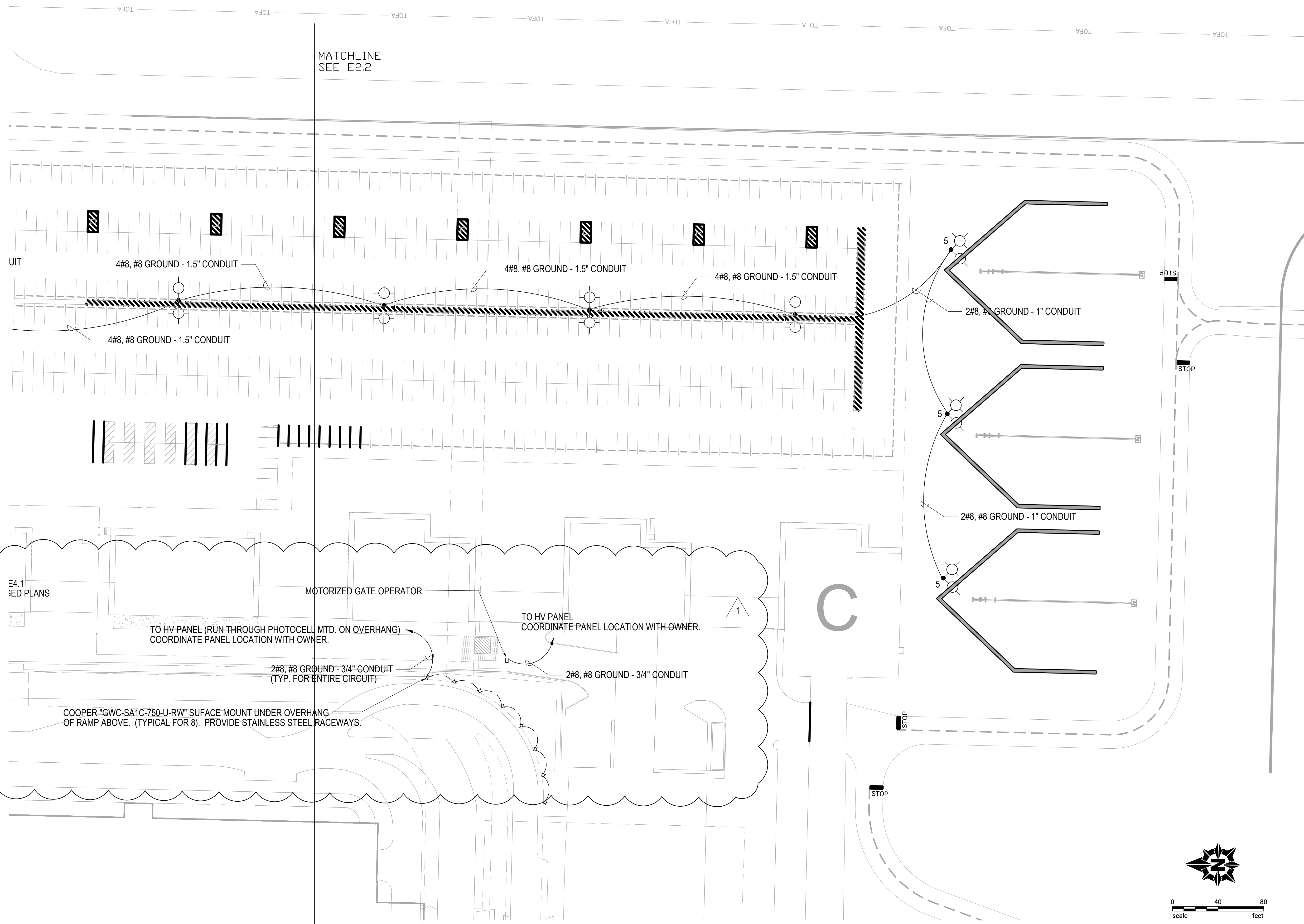
PARTIAL SITE PLAN -  
LIGHTING

MEMPHIS, TENNESSEE  
CAD FILE: I:\63481 - MSCAA Lot C Lighting\Elec\E2.1.dwg

APPROVED BY:



DESIGNED: MSC	DRAWN: MSC	CHECKED: RH
LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO: E2.2	



MATCHLINE  
SEE E2.2

UIT

4#8, #8 GROUND - 1.5" CONDUIT

4#8, #8 GROUND - 1.5" CONDUIT

4#8, #8 GROUND - 1.5" CONDUIT

4#8, #8 GROUND - 1.5" CONDUIT

2#8, #8 GROUND - 1" CONDUIT

2#8, #8 GROUND - 1" CONDUIT

E4.1  
RELOCATED PLANS

MOTORIZED GATE OPERATOR

TO HV PANEL (RUN THROUGH PHOTOCELL MTD. ON OVERHANG)  
COORDINATE PANEL LOCATION WITH OWNER.

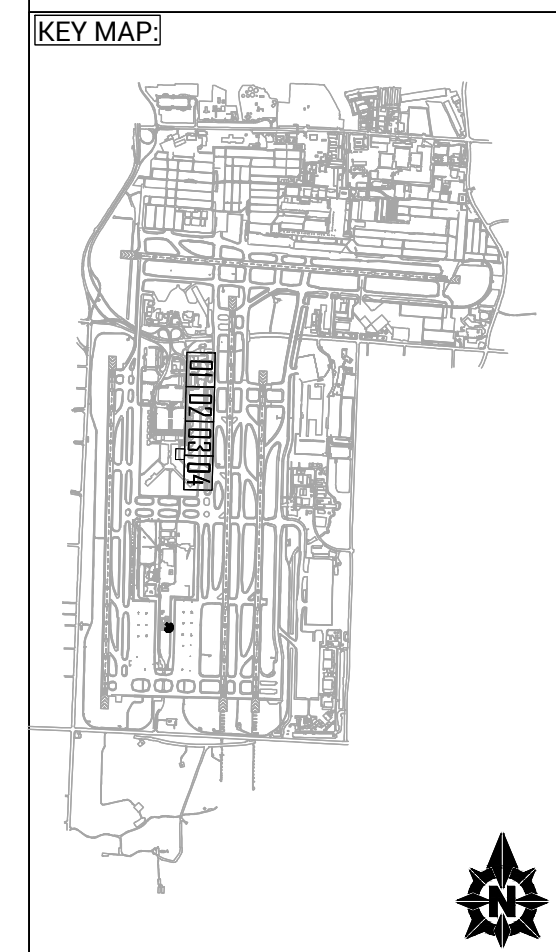
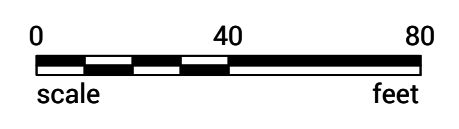
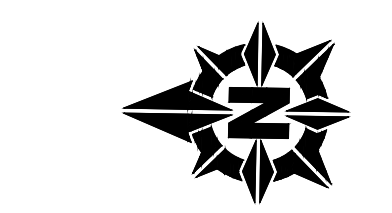
TO HV PANEL  
COORDINATE PANEL LOCATION WITH OWNER.

2#8, #8 GROUND - 3/4" CONDUIT  
(TYP. FOR ENTIRE CIRCUIT)

2#8, #8 GROUND - 3/4" CONDUIT

COOPER "GWC-SA1C-750-U-RW" SURFACE MOUNT UNDER OVERHANG  
OF RAMP ABOVE. (TYPICAL FOR 8). PROVIDE STAINLESS STEEL RACEWAYS.

C



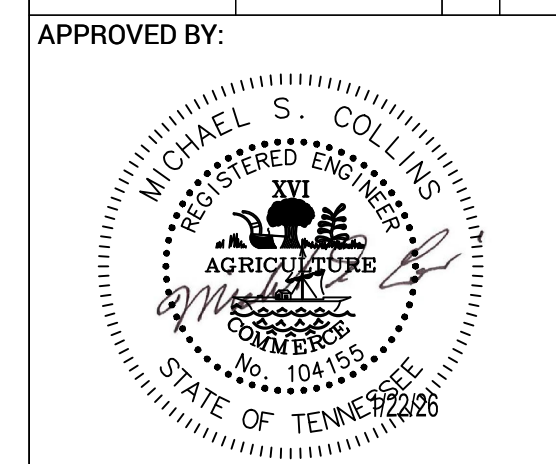
NO	DATE	BY	REVISION DESCRIPTION
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EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

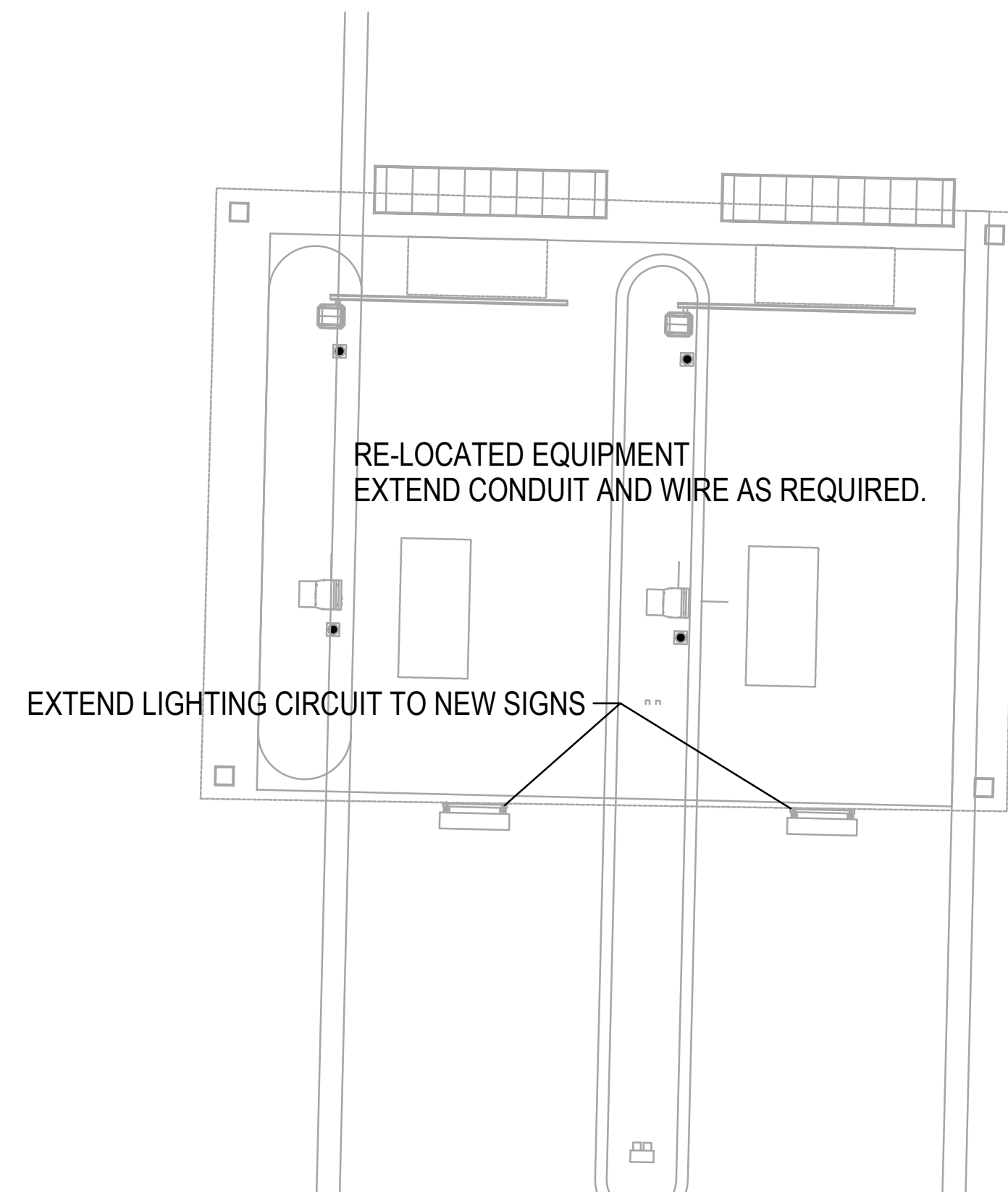
PARTIAL SITE PLAN -  
LIGHTING

MEMPHIS, TENNESSEE

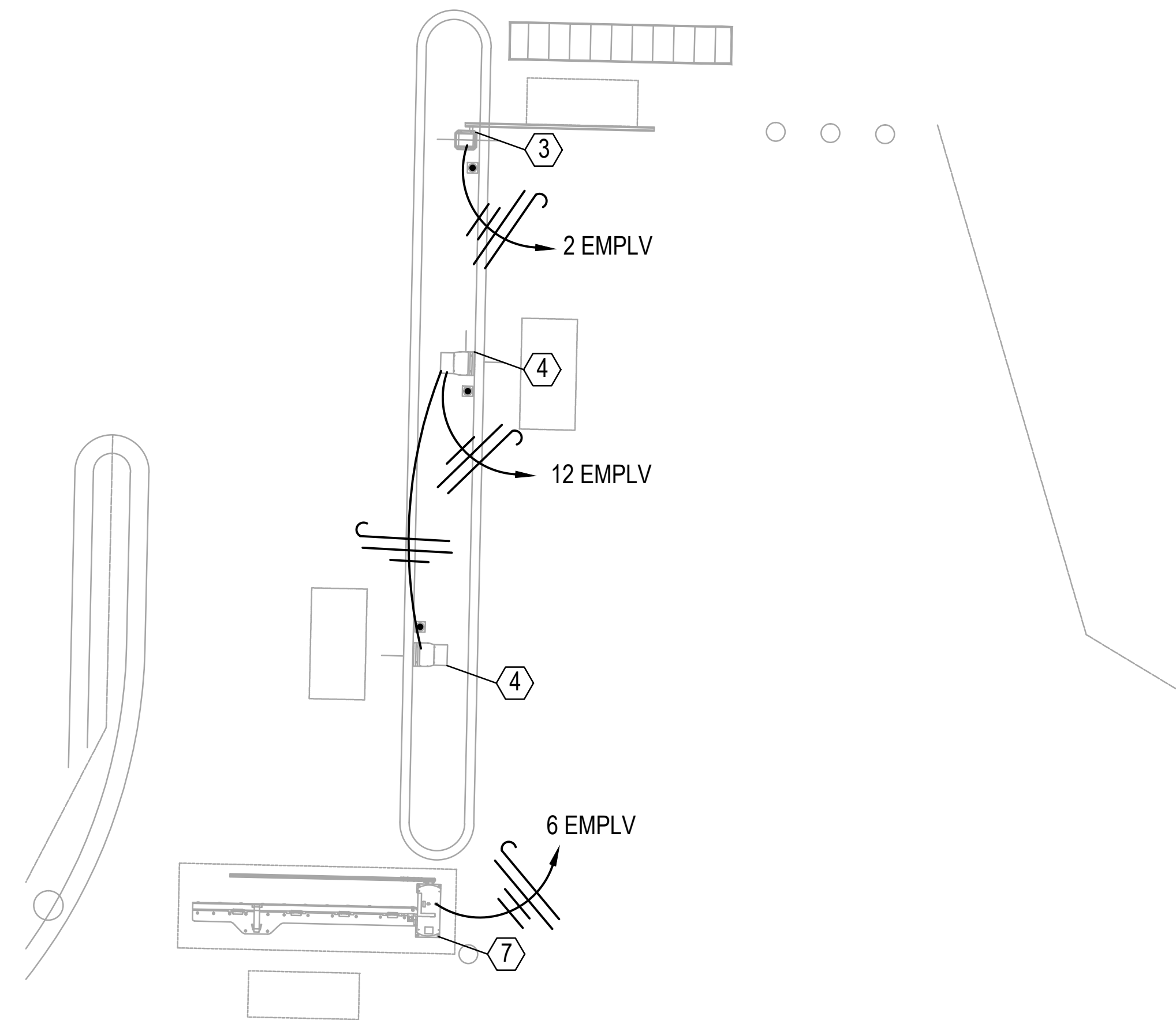
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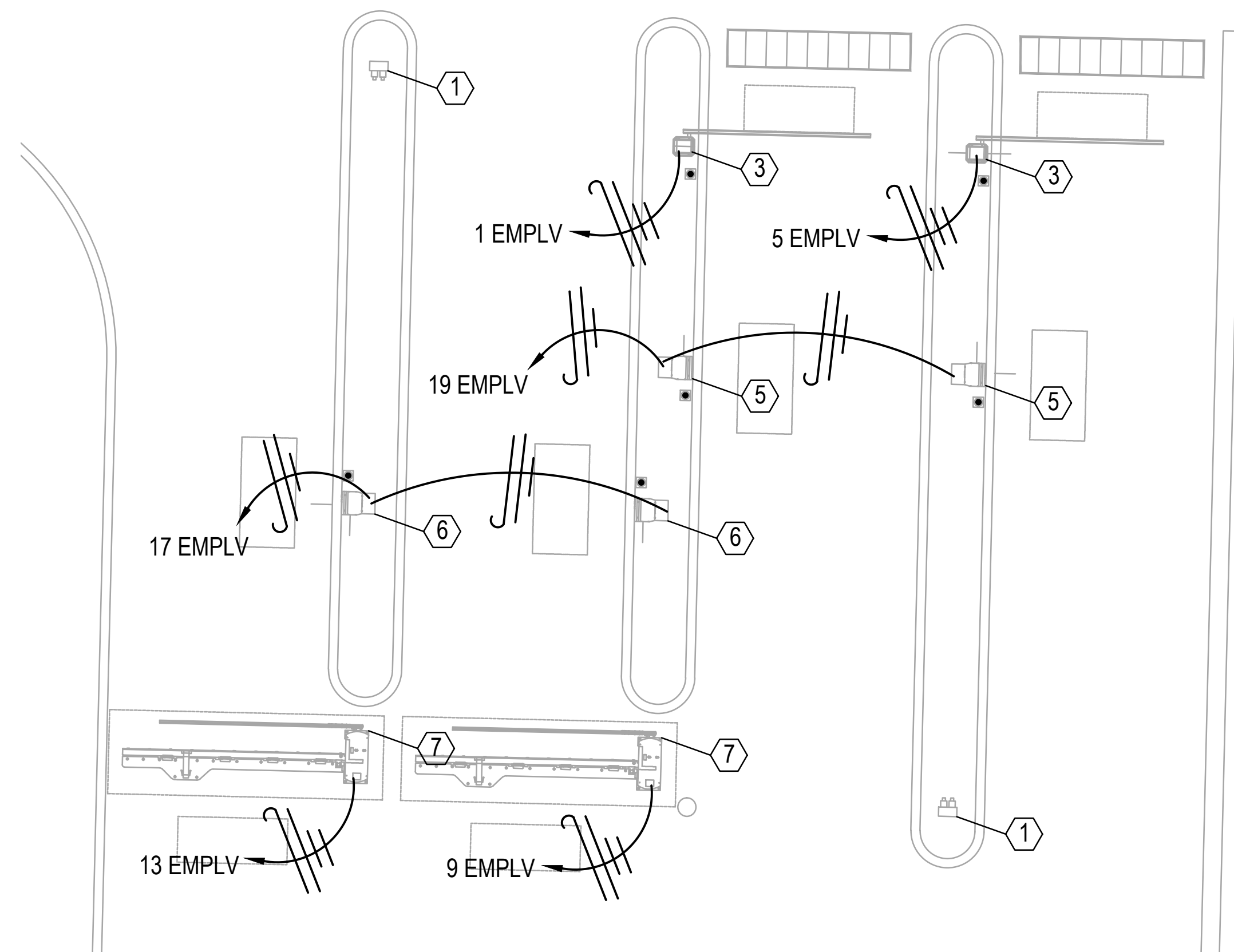
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LETTING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO: E2.3	



1 PARTIAL SITE ENLARGED NORTH PLAN - POWER  
SCALE: 1"=6'0"



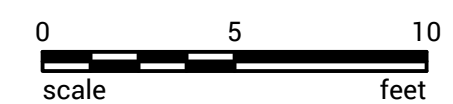
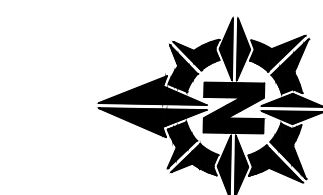
2 PARTIAL SITE ENLARGED BUS PLAN - POWER  
SCALE: 1"=6'0"



3 PARTIAL SITE ENLARGED NORTH PLAN - POWER  
SCALE: 1"=6'0"

REFERENCE NOTES:

1. PROVIDE A SINGLE OMNIQ VISION "QN20" CAMERA ON AN ENERGY LIGHT "8A4SS125" LIGHT POLE. PROVIDE A CONCRETE BASE FOR THE POLE PER DETAIL C2 ON SHEET E0.1.
2. PROVIDE A OMNIQ VISION "SEE CONTROL" SYSTEM WITH ROUTER INSIDE THE COMM BOX AT THE ELECTRICAL SERVICE ISLAND. PROVIDE AN ALPHA MICRO 1000 RUGGED UPS SYSTEM INSIDE COMM BOX.
3. PROVIDE A TIBA PARKING PRO-M-T VEHICLE BARRIER WITH A 12' MICROBOOM.
4. PROVIDE (2) TIBA AU-60 CARD READERS ON A DUAL HEIGHT SQUARE ALUMINUM 8' SQUARE POLE.
5. PROVIDE A TIBA MP-60 ENTRY STATION TICKET MACHINE.
6. PROVIDE A TIBA SW-60 EXIT/PAY STATION MACHINE.
7. PROVIDE A NATASKA APEX MODEL LT-WEDGE/BARRIER WITH BUILT-IN DISCONNECT.



PREPARED FOR:

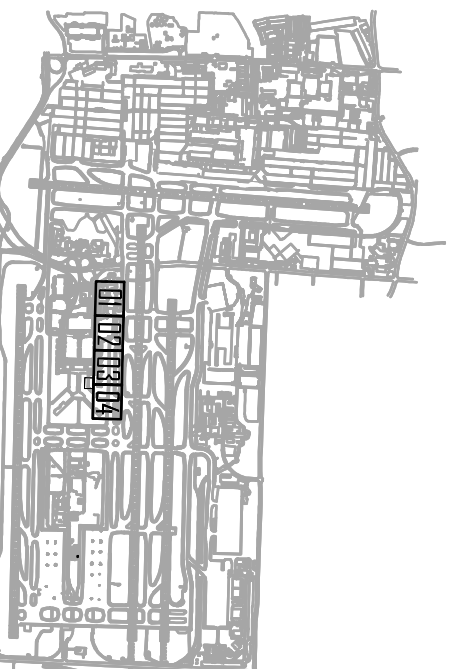


PREPARED BY:



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5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38137  
Phone: (901) 497-2500

KEY MAP:



REVISION  
DESCRIPTION

BY

DATE

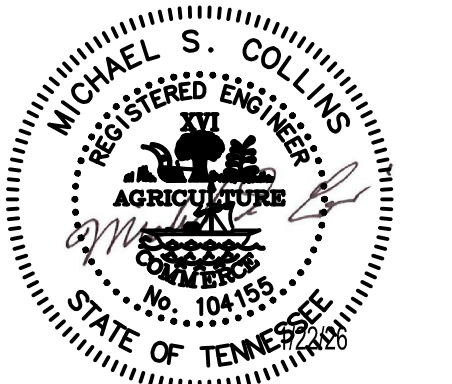
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EMPLOYEE PARKING RELOCATION  
MEMPHIS-SHELBY COUNTY AIRPORT  
AUTHORITY

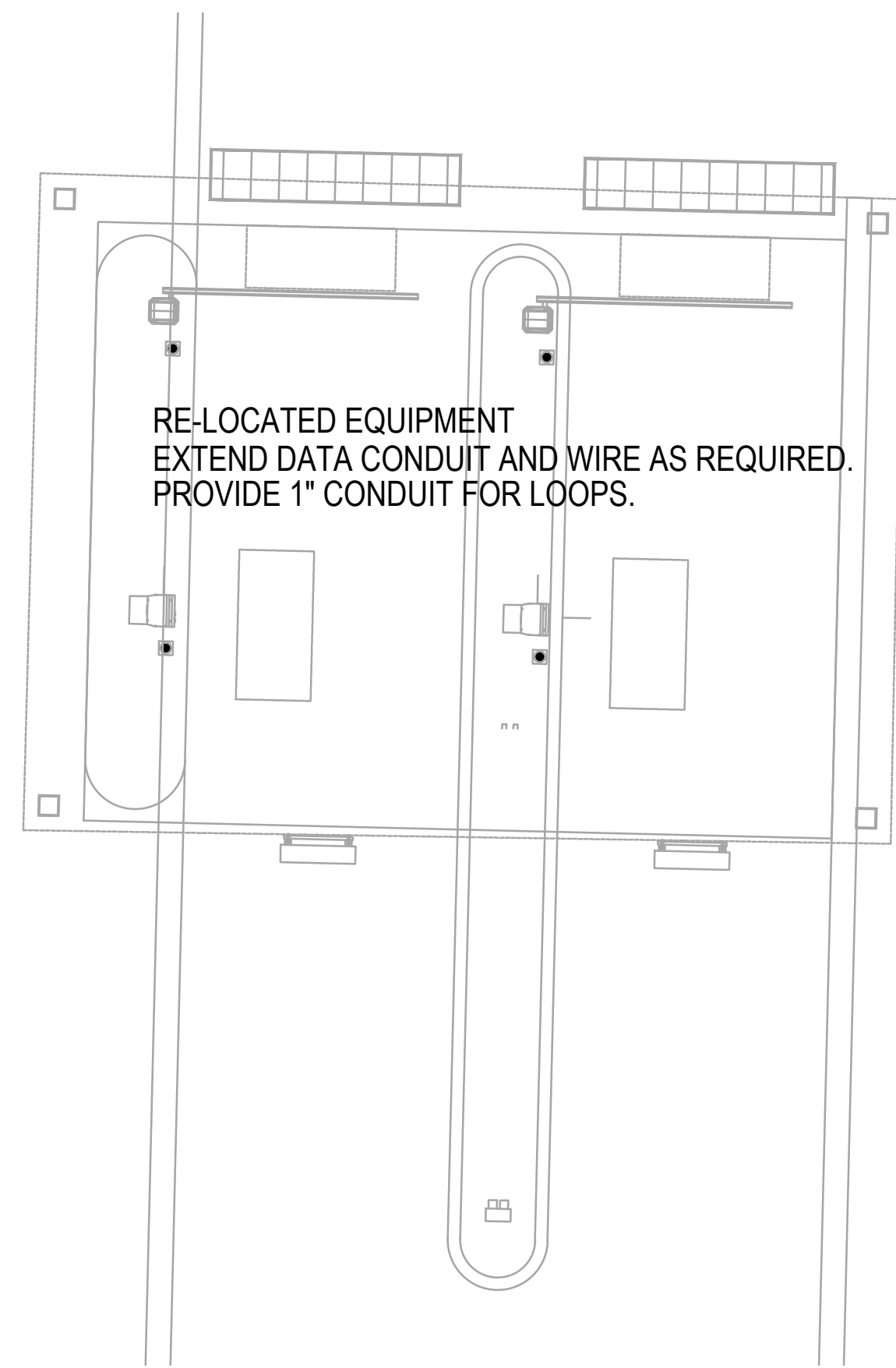
ENLARGED SITE PLANS -  
POWER

MEMPHIS, TENNESSEE  
CAD FILE: H:\A\63481 -MSCAA\Lot C Lighting\Elec\E3.1.dwg

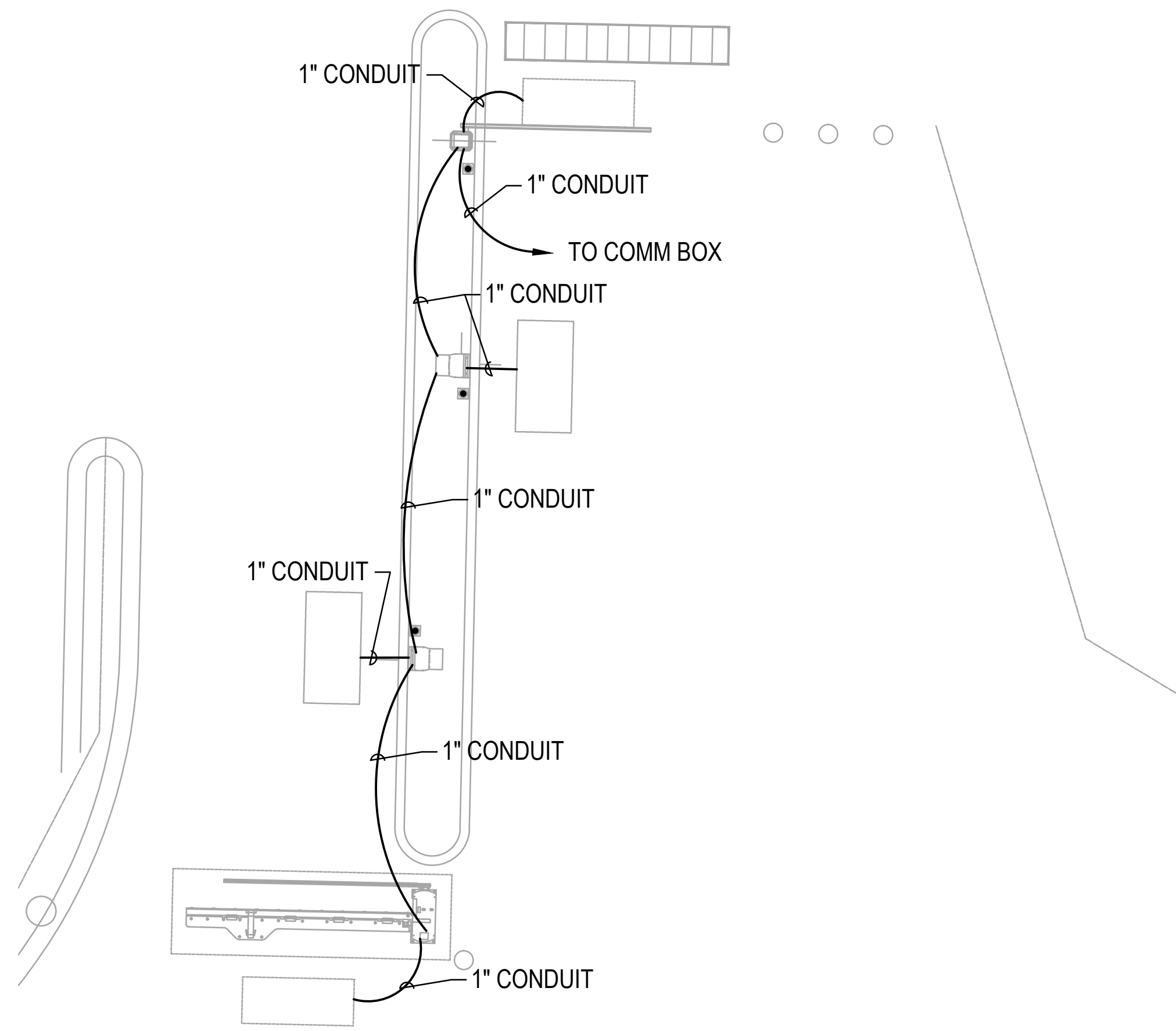
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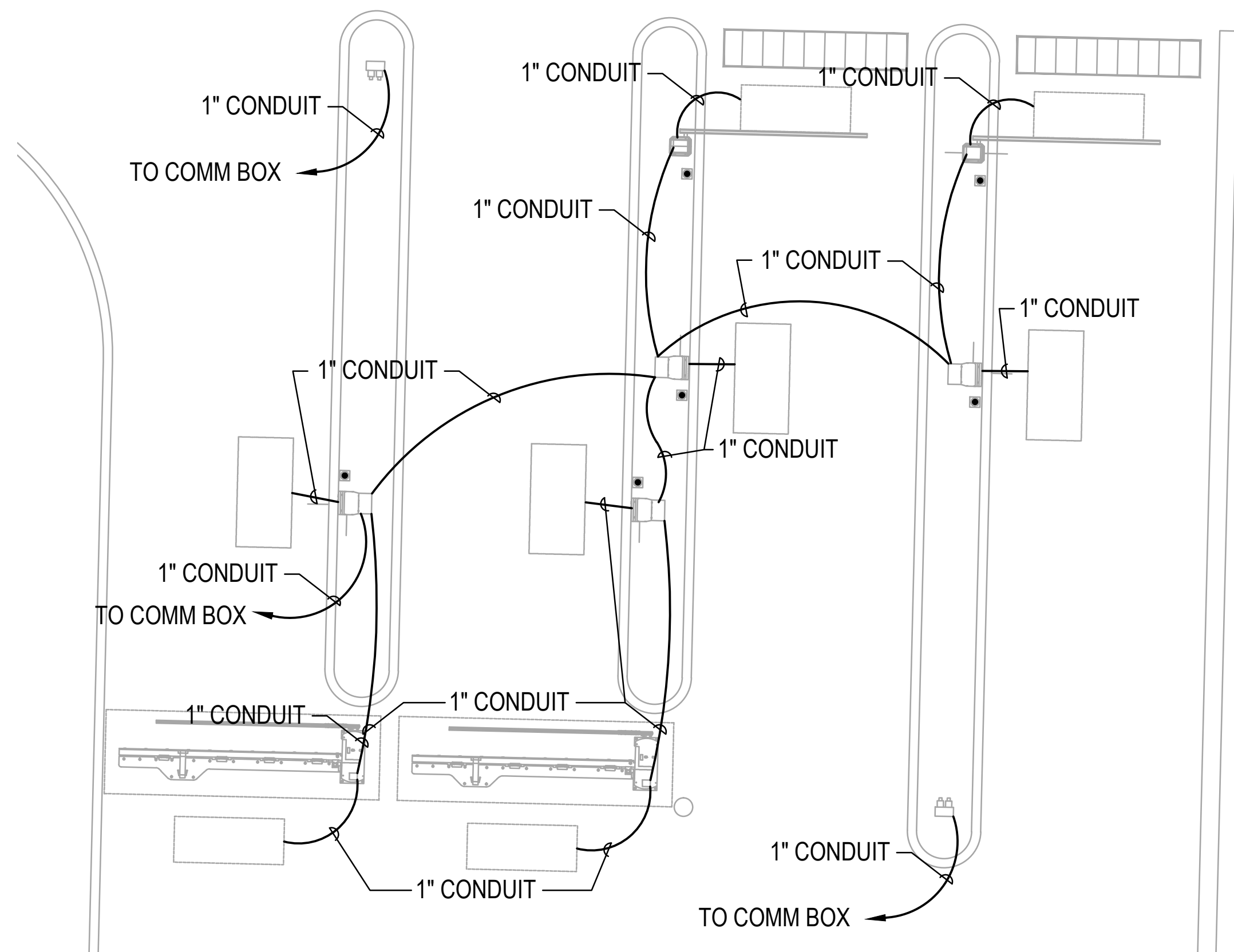
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PROJECT NO: 23M301.02	SHEET NO. E3.1	



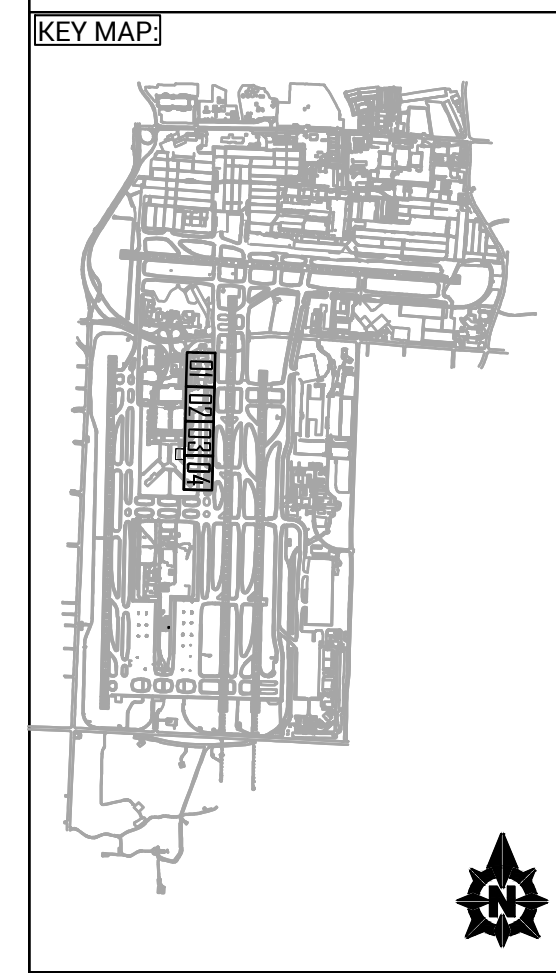
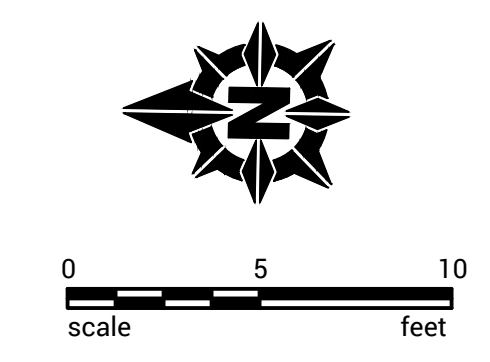
**1 PARTIAL SITE ENLARGED NORTH PLAN - POWER**  
SCALE: 1" = 6' 0"



**2 PARTIAL SITE ENLARGED BUS PLAN - POWER**  
SCALE: 1" = 6' 0"

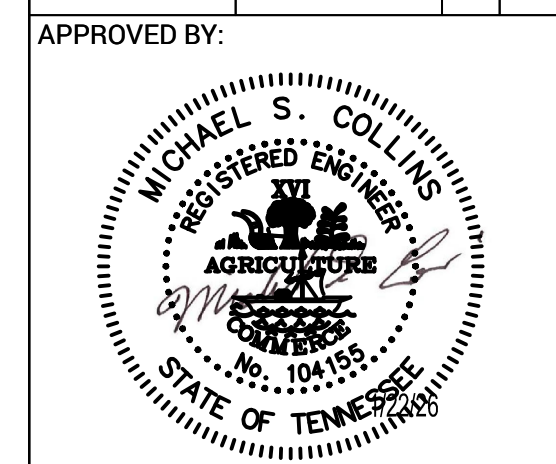


**3 PARTIAL SITE ENLARGED NORTH PLAN - POWER**  
SCALE: 1" = 6' 0"

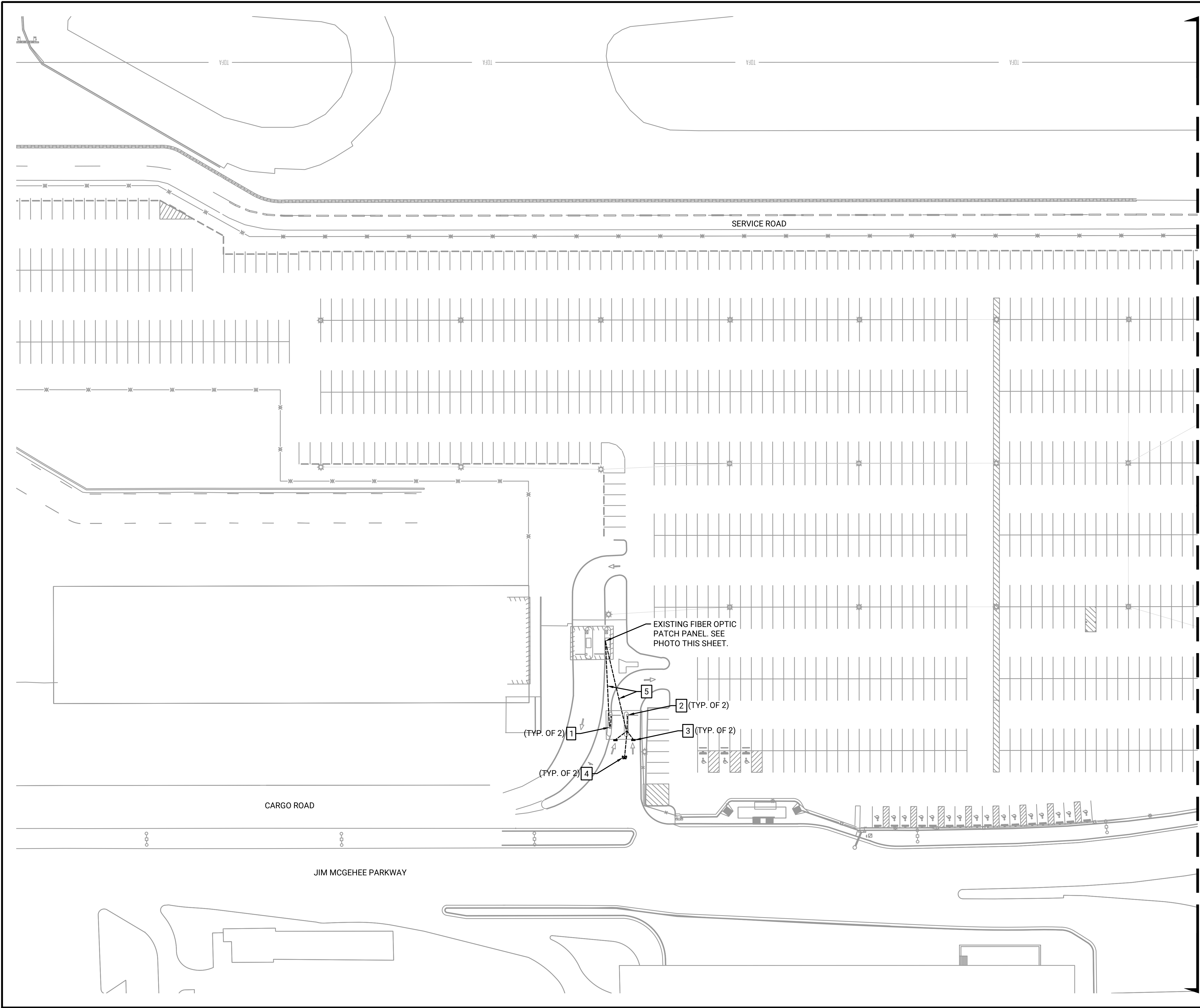


NO	REVISION DESCRIPTION	BY	DATE

EMPLOYEE PARKING RELOCATION  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY  
 ENLARGED SITE PLANS -  
 COMMUNICATIONS  
 MEMPHIS, TENNESSEE  
 CAD FILE: HA\63481 -MSCAA Lot C Lighting\Elec\E4.1.dwg



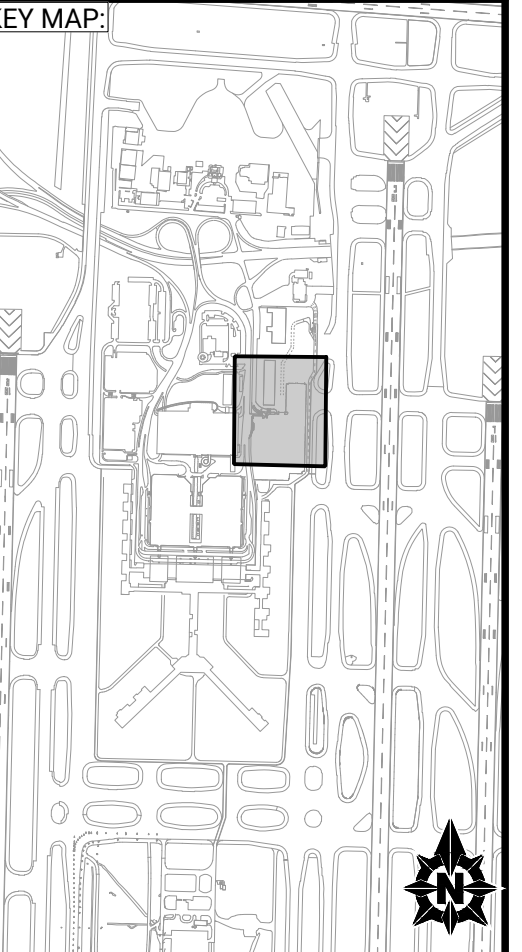
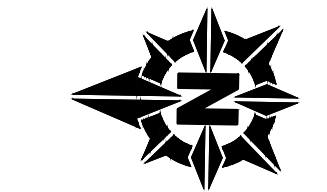
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LETING DATE: MM/DD/YYYY	PRINT DATE:	
PROJECT NO: 23M301.02	SHEET NO: E4.1	



**EXISTING FIBER OPTIC PATCH PANEL**

**KEYED NOTES (THIS SHEET ONLY)**

- 1 RELOCATE EXISTING PARKING LOT TICKET MACHINE AND 8-PORT NETWORK SWITCH MOUNTED INSIDE TICKET MACHINE ENCLOSURE. SEE SHEET T1101 FOR NEW LOCATION.
- 2 RELOCATE EXISTING VEHICLE GATE ARM. SEE SHEET T1101 FOR NEW LOCATION.
- 3 RELOCATE EXISTING LED ENTRY SIGN. SEE SHEET T1101 FOR NEW LOCATION.
- 4 RELOCATE EXISTING LPR CAMERA. SEE SHEET T1101 FOR NEW LOCATION.
- 5 REMOVE 2-STRAND SINGLE-MODE FIBER OPTIC CABLE.



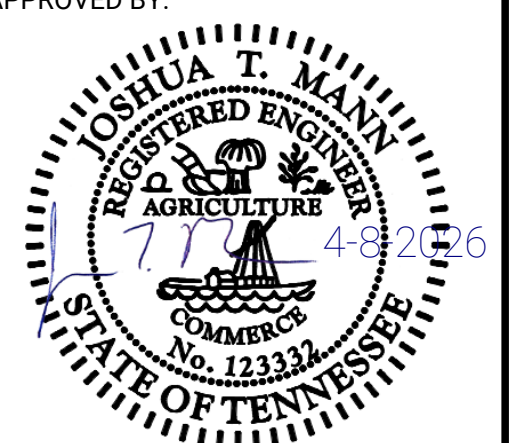
NO.	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

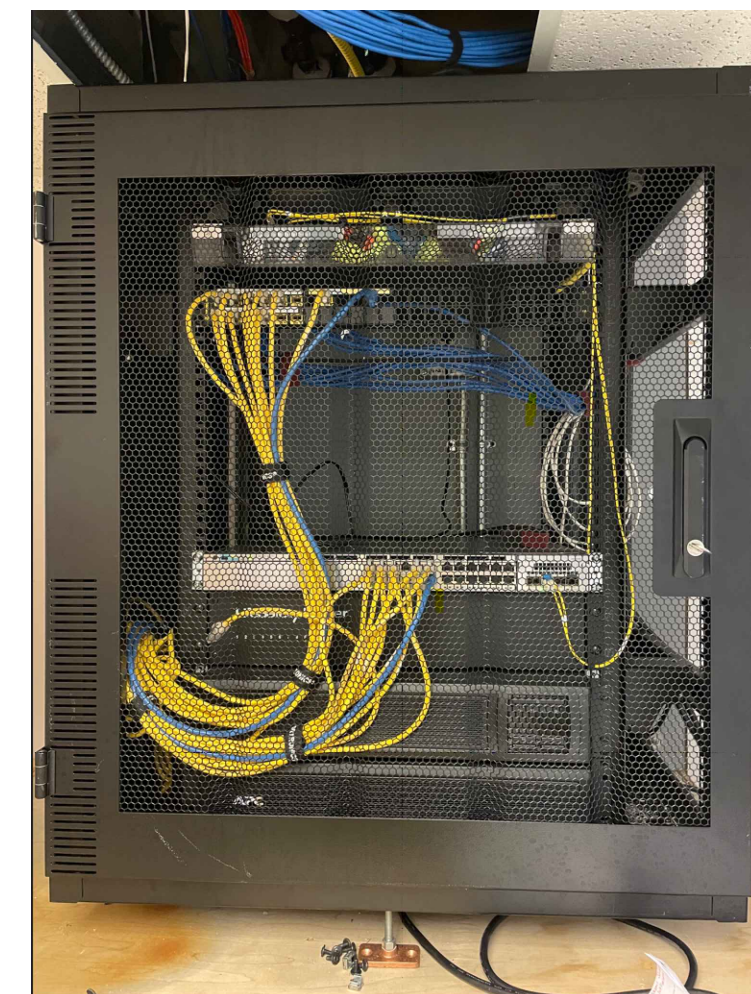
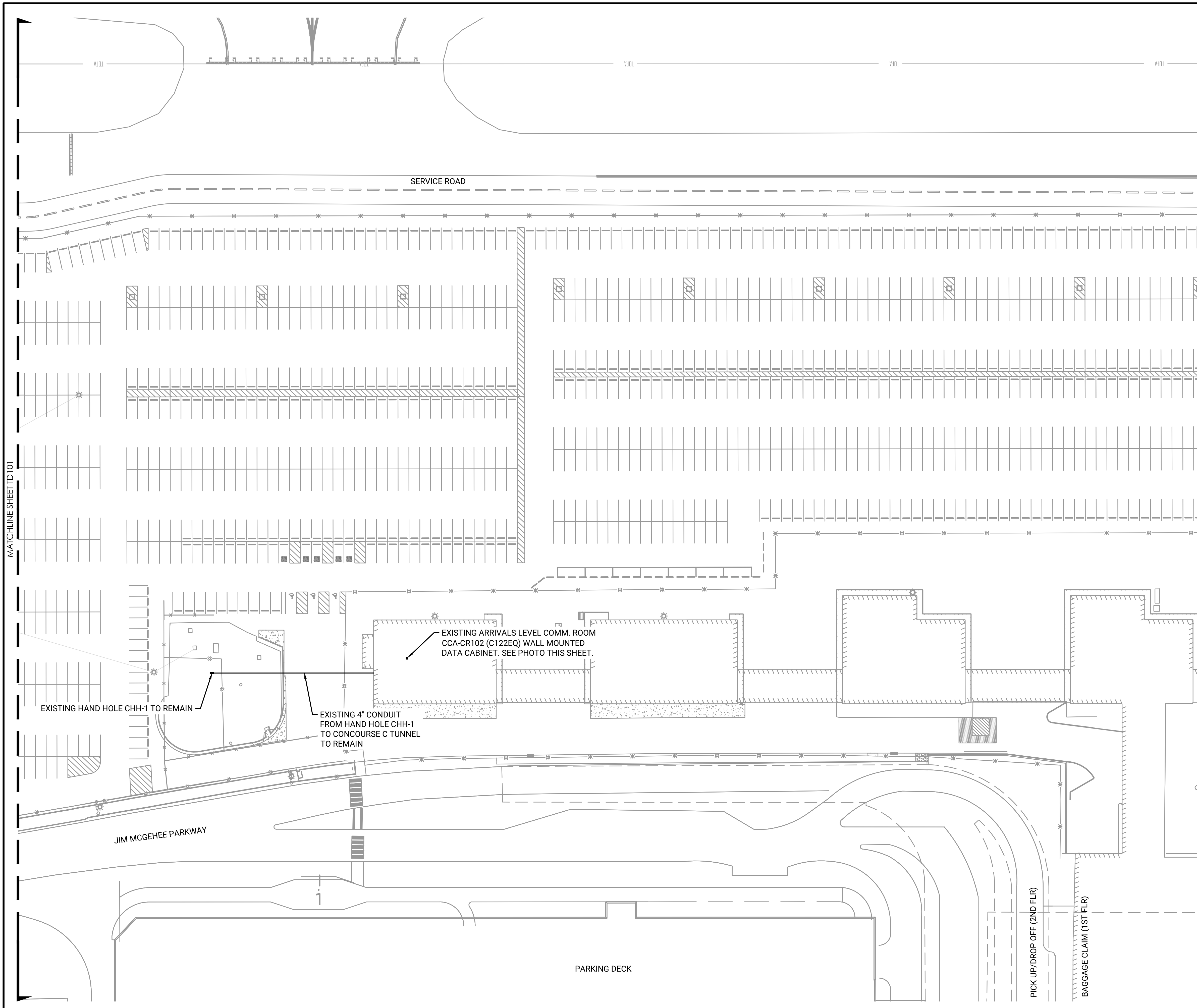
**TELECOMMUNICATIONS REMOVALS (1 OF 2)**

MEMPHIS, TENNESSEE

CAD FILE: C:\pwworkdir\pwworking\jw\_je\d814586\MEM\_SHT\_PH 5\_TD101.dwg



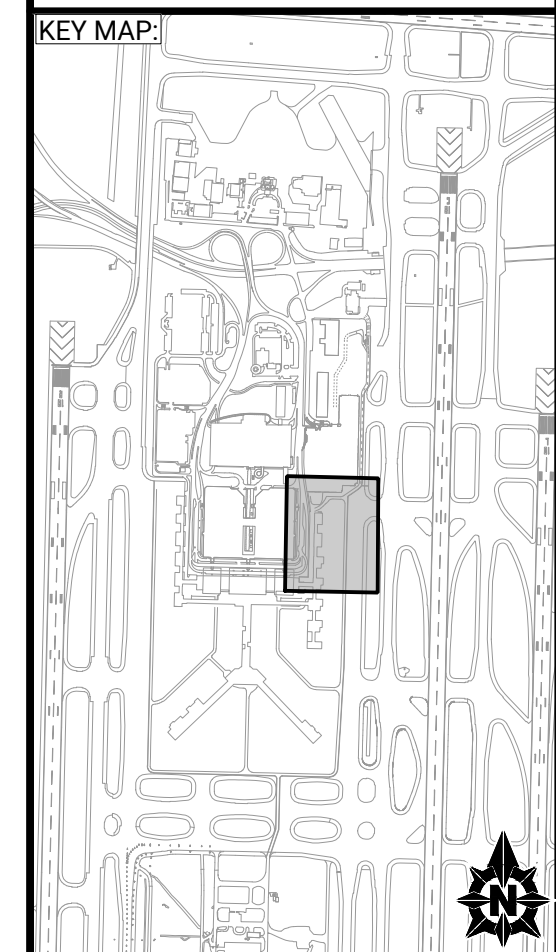
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LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO. <b>TD101</b>	



**EXISTING WALL MOUNTED DATA CABINET**

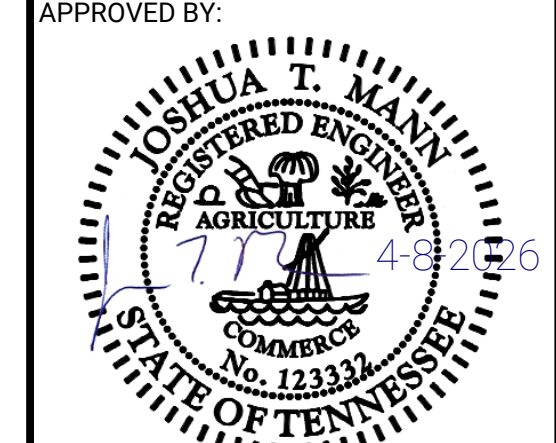
PREPARED FOR:  


PREPARED BY:  
  
 Foth Infrastructure & Environment, LLC  
 5100 Poplar Ave., Clark Tower, Suite 2709A  
 Memphis, TN 38137  
 Phone (901) 497-2500

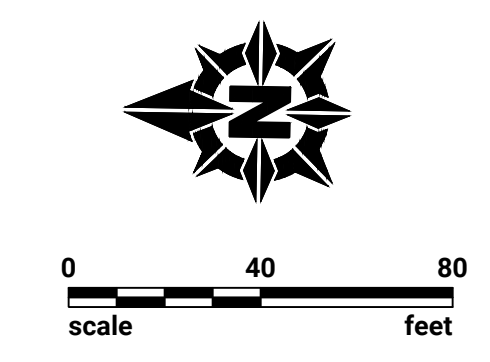


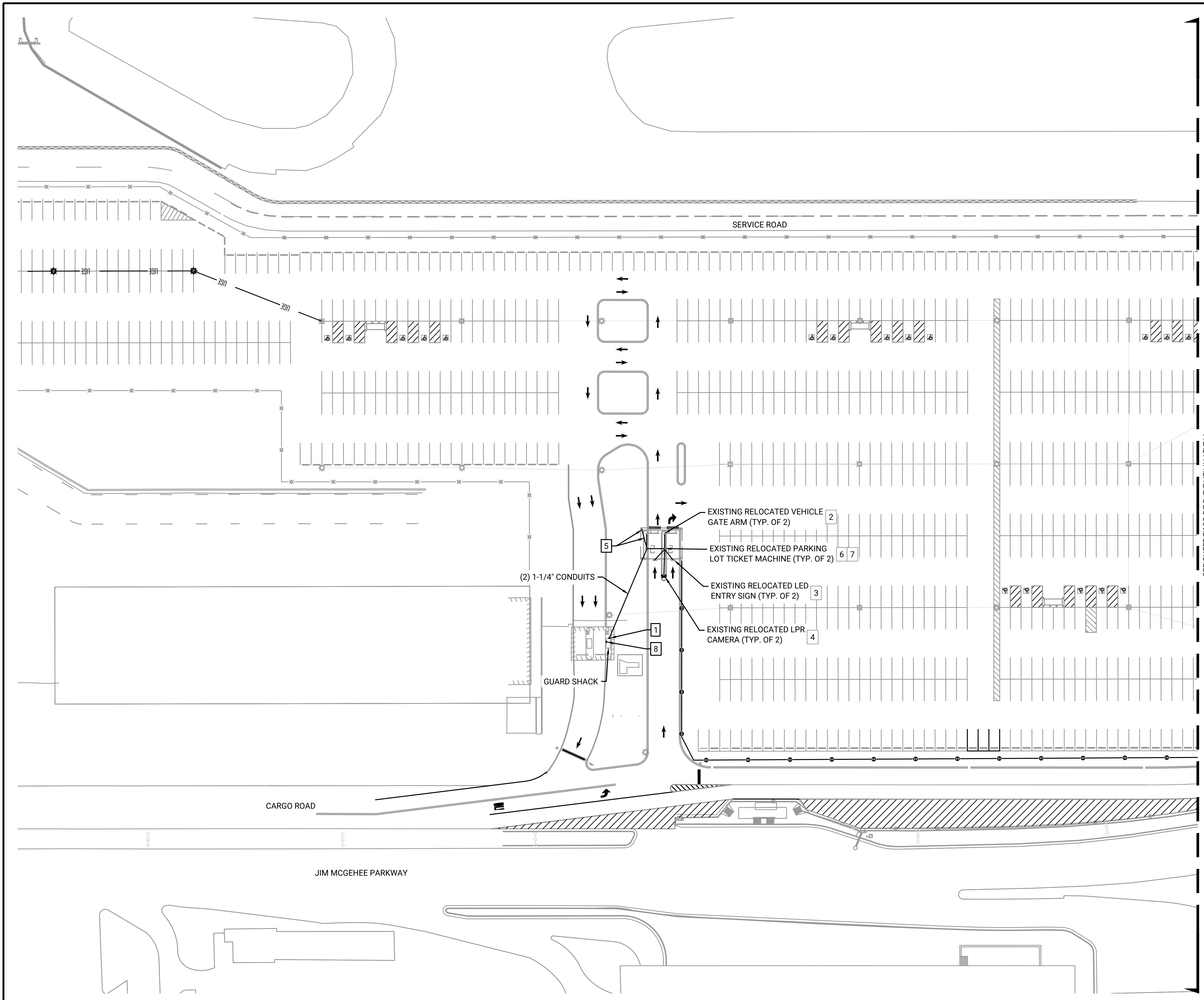
NO.	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
 MEMPHIS-SHELBY COUNTY AIRPORT  
 AUTHORITY  
**TELECOMMUNICATIONS  
 REMOVALS (2 OF 2)**  
 MEMPHIS, TENNESSEE  
 CAD FILE: C:\pwworkdir\pwworking\ie\d814586\MEM\_SHT\_PH 5\_TD101.dwg



DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. <b>TD102</b>
PROJECT NO: 24M301.04		





**KEYED NOTES (THIS SHEET ONLY)**

- 1 PROVIDE 18" HIGH X 18" WIDE X 6" DEEP, NEMA TYPE 4X, STAINLESS STEEL HINGED COVER ENCLOSURE WITH CONTINUOUS HINGE AND PADLOCK HASP MOUNTED TO GUARD SHACK. PROVIDE 2" RIGID GALVANIZED STEEL CONDUIT NIPPLE THROUGH GUARD SHACK EXTERIOR WALL FOR FIBER OPTIC CABLE INSTALLATION.
- 2 PROVIDE VEHICLE GATE ARM CONTROL CABLE IN A 1-1/4" CONDUIT ROUTED BELOW GRADE TO PARKING LOT TICKET MACHINE. FIELD VERIFY EXISTING CABLE TYPE.
- 3 PROVIDE (1) CAT6A, OSP RATED CABLE IN A 1-1/4" CONDUIT ROUTED BELOW GRADE TO NETWORK SWITCH MOUNTED INSIDE PARKING LOT TICKET MACHINE.
- 4 PROVIDE (2) CAT6A, OSP RATED CABLES IN A 1-1/4" CONDUIT ROUTED BELOW GRADE TO NETWORK SWITCH MOUNTED INSIDE PARKING LOT TICKET MACHINE.
- 5 PROVIDE 1-1/4" CONDUIT WITH PULL STRING ROUTED BELOW GRADE FROM PARKING LOT TICKET MACHINE TO CEILING STRUCTURE FOR FUTURE CAMERAS.
- 6 PROVIDE (1) 12-STRAND, OSP RATED, SINGLE-MODE FIBER OPTIC CABLE IN A 1-1/4" CONDUIT TO GUARD SHACK.
- 7 PROVIDE CORNING MODEL NO. SPH-CS12-A9-P00RE WALL MOUNTED SINGLE PANEL HOUSING WITH 12F, LC, UPC, DUPLEX SINGLE-MODE, PIGTAILED CONNECTOR PANEL MOUNTED INSIDE PARKING LOT TICKET MACHINE TO SERVE NETWORK SWITCH.
- 8 PROVIDE (2) CORNING MODEL NO. SPH-CS12-A9-P00RE WALL MOUNTED SINGLE PANEL HOUSINGS WITH 12F, LC, UPC, DUPLEX SINGLE-MODE, PIGTAILED CONNECTOR PANEL MOUNTED INSIDE GUARD SHACK TO SERVE NETWORK SWITCHES MOUNTED INSIDE PARKING LOT TICKET MACHINES.

SEE SHEET T1102 FOR CONTINUATION

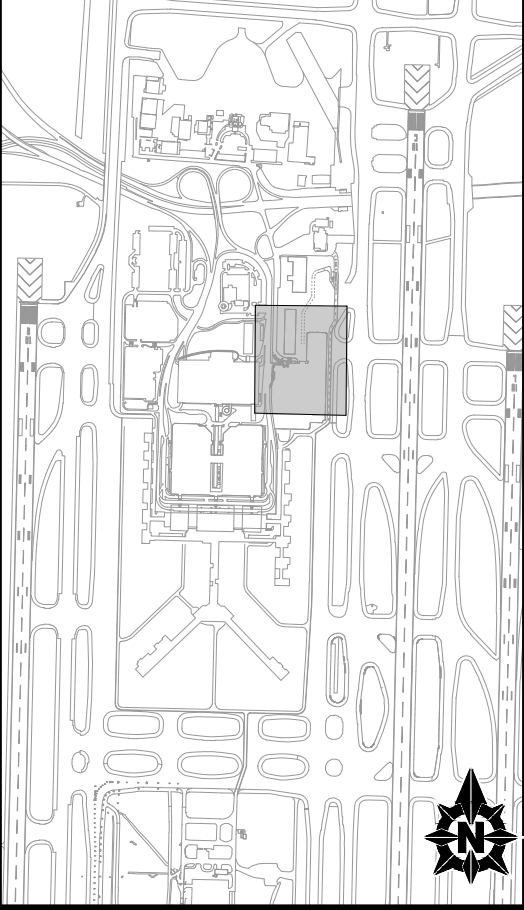
PREPARED FOR:



PREPARED BY:



KEY MAP:

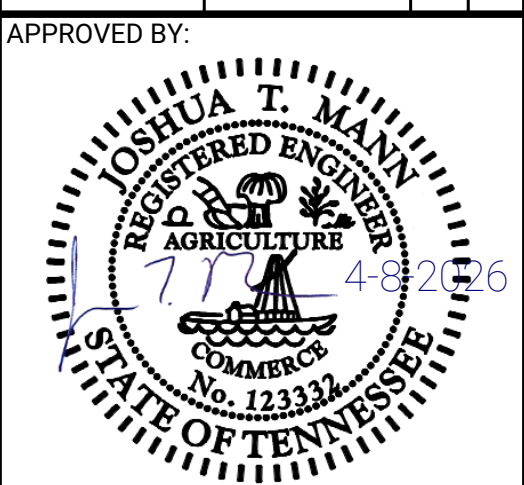


NO	DATE	BY	REVISION DESCRIPTION

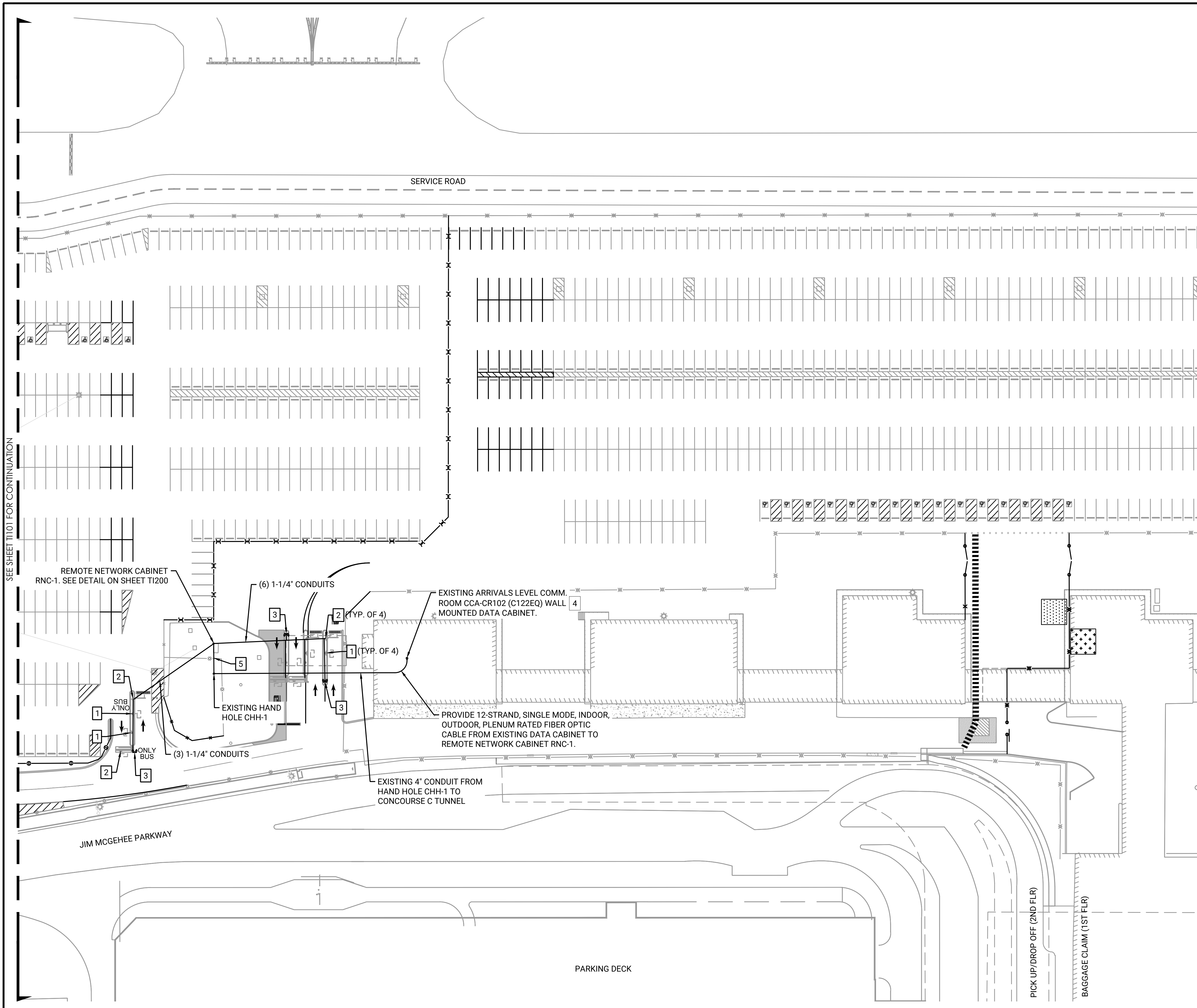
**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

**TELECOMMUNICATIONS LAYOUT (1 OF 2)**

MEMPHIS, TENNESSEE  
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DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	
PROJECT NO: 24M301.04	SHEET NO: T1101	



**KEYED NOTES (THIS SHEET ONLY)**

- 1 PROVIDE (1) CAT6A, OSP RATED CABLE IN A 1-1/4" CONDUIT ROUTED BELOW GRADE FROM PARKING LOT TICKET MACHINE TO REMOTE NETWORK CABINET RNC-1.
- 2 PROVIDE VEHICLE GATE ARM CONTROL CABLE IN A 1-1/4" CONDUIT ROUTED BELOW GRADE TO PARKING LOT TICKET MACHINE. FIELD VERIFY EXISTING CABLE TYPE.
- 3 PROVIDE (2) CAT6A, OSP RATED CABLES IN A 1-1/4" CONDUIT ROUTED BELOW GRADE FROM CAMERA POLE TO REMOTE NETWORK CABINET RNC-1. CAMERAS SHALL BE FURNISHED AND INSTALLED BY OWNER.
- 4 PROVIDE 1 RU FIBER OPTIC PATCH PANEL MOUNTED IN AVAILABLE RACK SPACE WITH (1) 12F, LC, UPC, DUPLEX SINGLE MODE PIGTAILED SPLICE CASSETTE AND (1) BLANK PLATE.
- 5 PROVIDE 1-1/4" CONDUIT FOR INSTALLATION OF FIBER OPTIC CABLE.

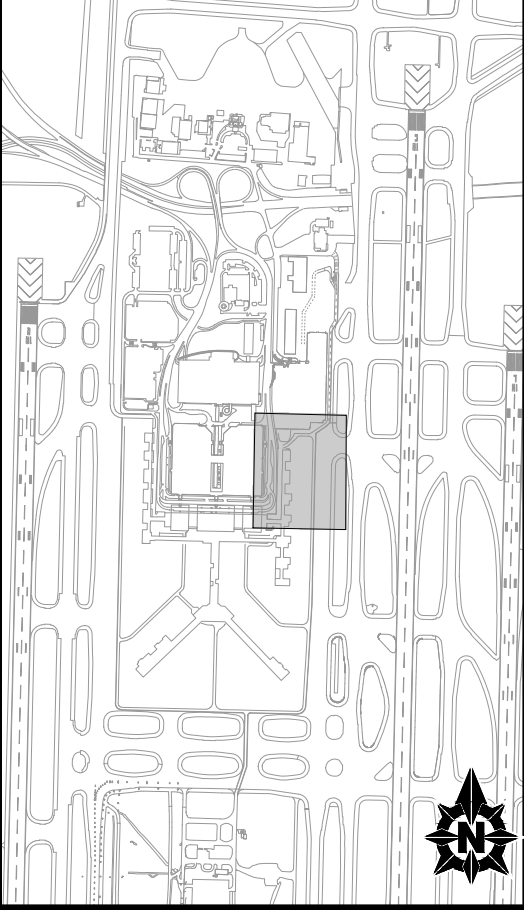
PREPARED FOR:



PREPARED BY:



KEY MAP:



SEE SHEET T1101 FOR CONTINUATION

NO	DATE	BY	REVISION DESCRIPTION

**EMPLOYEE PARKING RELOCATION PHASE 5**  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY  
**TELECOMMUNICATIONS LAYOUT (2 OF 2)**  
MEMPHIS, TENNESSEE  
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APPROVED BY:

DESIGNED: ACJ	DRAWN: NCR	CHECKED: WUH
LETTING DATE:	PRINT DATE: 4/8/2026	SHEET NO. T1102
PROJECT NO: 24M301.04		

MEM EMPLOYEE PARKING RELOCATION PHASE 5 - UNINTERRUPTIBLE POWER SUPPLY (UPS) SCHEDULE

MARK	LOCATION	VOLT - AMPS/WATTS	INPUT VOLTAGE	OUTPUT VOLTAGE	MOUNTING	MAXIMUM DIMENSIONS	OPERATING TEMPERATURE	INPUT CONNECTION	OUTPUT CONNECTIONS	BASIS OF DESIGN MANUFACTURER AND MODEL NUMBER	ACCEPTABLE ALTERNATE MANUFACTURERS
UPS-1	MEM REMOTE NETWORK CABINET RNC-1	850VA/510W	120	120	DIN-RAIL	5.22"H X 12.28"W X 5.50" D	32 - 122 DEGREES F	HARDWIRE	HARDWIRE	EATON #DIN850AC	EQUAL

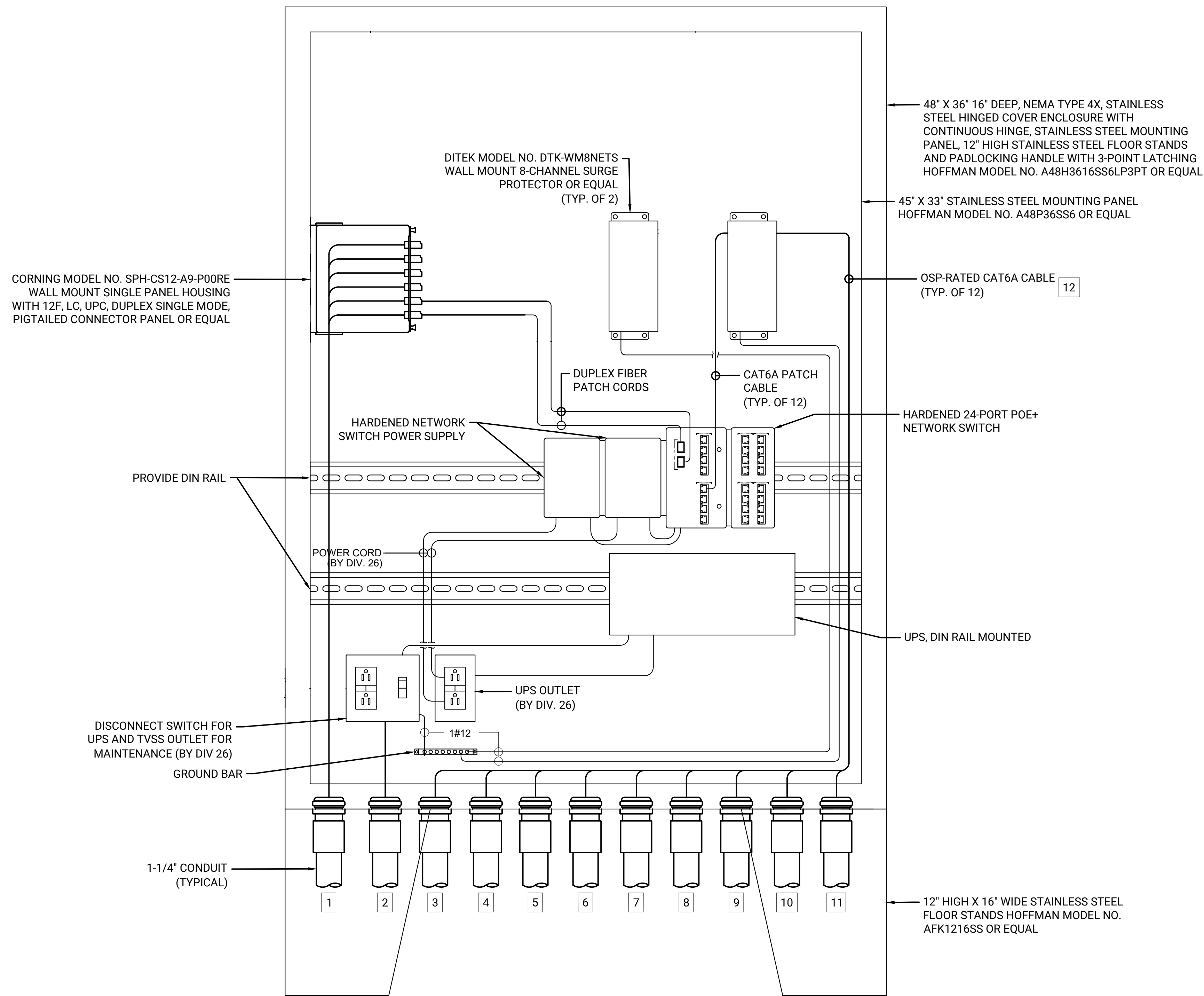
PREPARED FOR:



PREPARED BY:



Foth Infrastructure & Environment, LLC  
5100 Poplar Ave., Clark Tower, Suite 2709A  
Memphis, TN 38137  
Phone (901) 497-2500



KEYED NOTES (THIS SHEET ONLY)

- 12-STRAND, SINGLE-MODE, INDOOR, OUTDOOR, PLENUM RATED FIBER OPTIC CABLE TO EXISTING ARRIVALS LEVEL COMM. ROOM CCA-CR102 (C122EQ) WALL MOUNTED DATA CABINET.
- POWER CIRCUIT (BY DIV. 26). SEE ELECTRICAL DRAWINGS.
- (1) OSP-RATED CAT6A CABLE TO BUS ENTRY LANE PARKING LOT TICKET MACHINE.
- (1) OSP-RATED CAT6A CABLE TO BUS EXIT LANE PARKING LOT TICKET MACHINE.
- (2) OSP-RATED CAT6A CABLES TO BUS ENTRY LANE CAMERA POLE.
- (2) OSP-RATED CAT6A CABLES TO EMPLOYEE ENTRY LANE CAMERA POLE.
- (1) OSP-RATED CAT6A CABLE TO EMPLOYEE EXIT LANE #1 PARKING LOT TICKET MACHINE.
- (1) OSP-RATED CAT6A CABLE TO EMPLOYEE EXIT LANE #2 PARKING LOT TICKET MACHINE.
- (1) OSP-RATED CAT6A CABLE TO EMPLOYEE ENTRY LANE #1 PARKING LOT TICKET MACHINE.
- (1) OSP-RATED CAT6A CABLE TO EMPLOYEE ENTRY LANE #2 PARKING LOT TICKET MACHINE.
- (2) OSP-RATED CAT6A CABLES TO BUS EXIT LANE CAMERA POLE.
- TERMINATE BOTH ENDS OF CABLE WITH 8P8C (RJ-45) MODULAR PLUG TERMINATED LINK (MPTL) FOR DIRECT CONNECTION TO IP FIELD DEVICE.

1 REMOTE NETWORK CABINET DETAIL

NTS

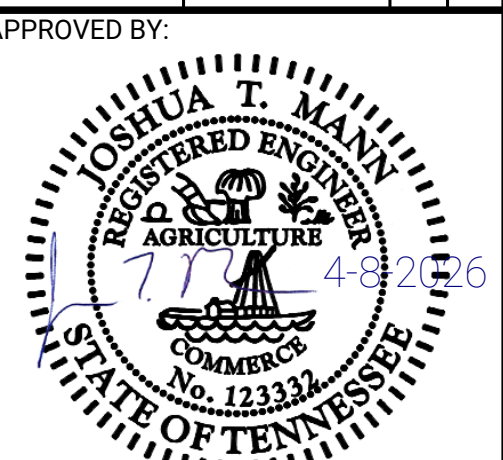
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EMPLOYEE PARKING RELOCATION PHASE 5  
MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY

TELECOMMUNICATIONS DETAILS

MEMPHIS, TENNESSEE

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