

CONSTRUCTION PLANS

BO008



4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 TEL (630) 487-5550

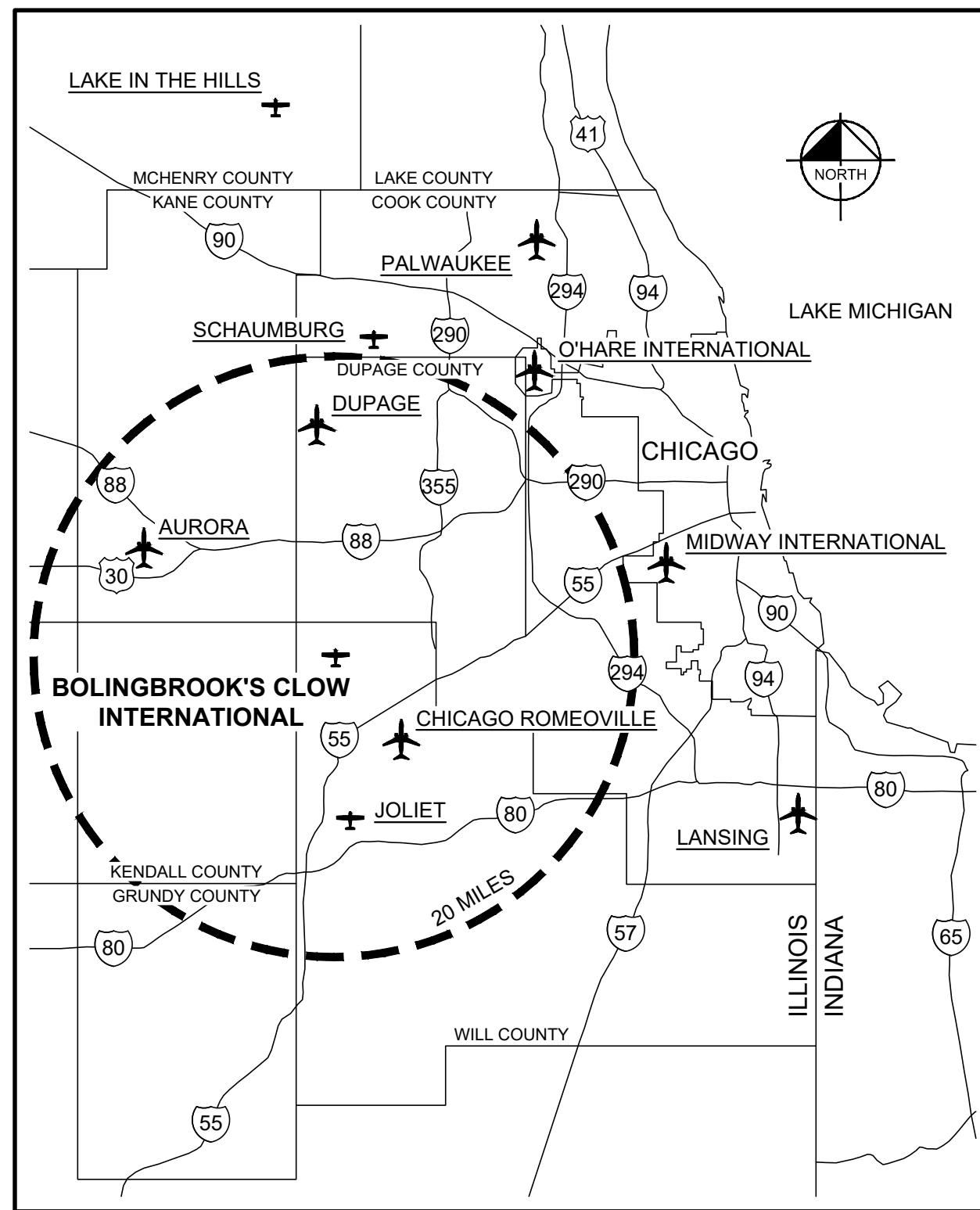


VILLAGE OF BOLINGBROOK BOLINGBROOK'S CLOW INTERNATIONAL AIRPORT (1C5) BOLINGBROOK, WILL COUNTY, ILLINOIS

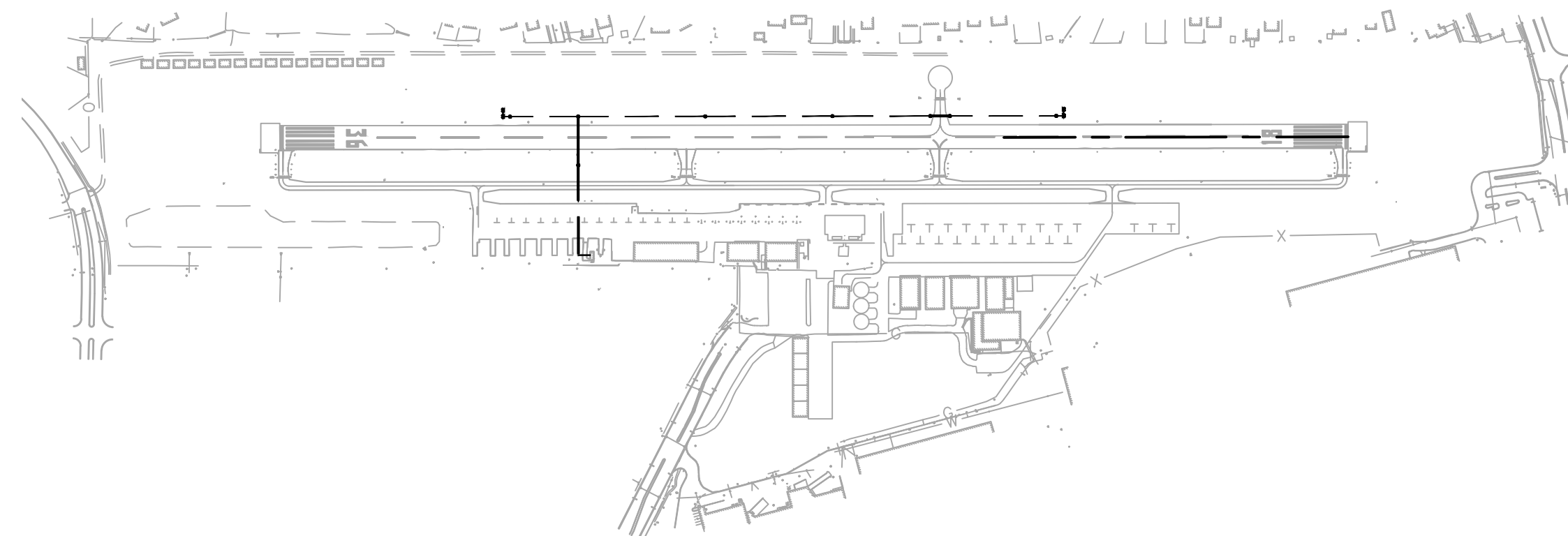
INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 ILLINOIS PROJECT NO. 1C5-5132

CONTRACT NO. BO008
 SBG PROJECT NUMBER: 3-17-SBGP-TBD

ISSUED FOR BID
 SUBMITTED: 06/05/2026
 BID LETTING: 07/31/2026



LOCATION MAP
 NTS



4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 (630) 487-5550

VILLAGE OF BOLINGBROOK
 375 WEST BRIARCLIFF ROAD
 BOLINGBROOK, ILLINOIS 60440
 TEL (630) 226-8400

Matthew Eastman
 MATTHEW EASTMAN
 DIRECTOR OF COMMUNITY DEVELOPMENT

06/05/2026
 DATE

4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 (630) 487-5550

Joseph D. Bradshaw
 SUBMITTED BY:
 JOSEPH BRADSHAW, P.E. ELECTRICAL ENGINEER

06/05/2026
 DATE

4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 (630) 487-5550

Luke M. Burlingame
 SUBMITTED BY:
 LUKE BURLINGAME, P.E. PROJECT ENGINEER

06/05/2026
 DATE

DATE:	06/05/2026	SCALE:	NTS
DRAWN BY:	LMB	CHECKED BY:	JY
REV.	DATE	DESCRIPTION	
0	06/05/2026	ISSUED FOR BID	

TITLE: COVER SHEET
 PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:
 DRAWING NO. GC-000
 PROJECT NUMBER: 168001006



K:\CHS Aviation\168001006-1C5-Inst\11-PAPI\Cover\Plans\168001006-CV-Covering-Burlingame, Luke 6/4/2026 12:53 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION AND IS CONTROLLED BY 49 CFR PART 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DIRECTED IN 49 CFR PART 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR, THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

K:\GIS\A\168001006-105-Inst\1_PAPI\Cadd\Drawings\168001006-EC_IndexNotes.dwg - Burlingame, Luke 6/8/2026 4:40 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNLAWFUL TO DISCLOSE, REPRODUCE, OR TRANSMIT INFORMATION CONTAINED HEREIN TO ANY UNAUTHORIZED PERSON OR ENTITY. ANY UNAUTHORIZED DISCLOSURE, REPRODUCTION, OR TRANSMISSION OF THIS INFORMATION IS PROHIBITED. THIS DOCUMENT IS UNCLASSIFIED AND IS NOT SUBJECT TO THE PROVISIONS OF EXECUTIVE ORDER 13526, WHICH REQUIRES THE PROTECTION OF INFORMATION THAT IS UNLAWFUL TO DISCLOSE, REPRODUCE, OR TRANSMIT TO ANY UNAUTHORIZED PERSON OR ENTITY. ANY UNAUTHORIZED DISCLOSURE, REPRODUCTION, OR TRANSMISSION OF THIS INFORMATION IS PROHIBITED.

SHEET INDEX		
COUNT	SHEET NO.	SHEET NAME
1	GC-000	COVER SHEET
2	GC-101	SHEET INDEX, SOQ, LEGEND AND ABBREVIATIONS
3	GC-102	ACCESS, SAFETY AND GENERAL NOTES
4	GC-103	HORIZONTAL AND VERTICAL CONTROL PLAN
5	PH-100	CONSTRUCTION SAFETY AND PHASING PLAN
6	PH-501	CONSTRUCTION SAFETY AND PHASING DETAILS
7	E100	ELECTRICAL SCOPE OF WORK
8	E101	ELECTRICAL LAYOUT
9	E102	ELECTRICAL LAYOUT
10	E103	ELECTRICAL LAYOUT
11	E104	ELECTRICAL LAYOUT
12	E201	ELECTRICAL DETAILS
13	E202	ELECTRICAL DETAILS
14	E203	RUNWAY 18 PAPI SITING
15	E204	RUNWAY 36 PAPI SITING
16	E205	PAPI FOUNDATION AND INSTALLATION DETAILS
17	E206	ELECTRICAL DETAILS
18	E301	ELECTRICAL VAULT PLAN
19	E401	ELECTRICAL CIRCUIT MAP
20	E501	PAPI SITING ELEVATIONS

BASE BID					
NO.	ITEM	DESCRIPTION	UNIT	QUANTITY	FIELD QUANTITY
1	AR108108	1/C #8 5 KV CABLE	LINEAR FOOT	4730.0	
2	AR125620	ABBREVIATED PAPI (L-881 SYSTEM)	EACH	2.0	
3	AR150520	MOBILIZATION	LUMP SUM	1.0	
4	AR801714	PROVIDE AND INSTALL NEW H-20 LOAD RATED CONCRETE HANDHOLE	EACH	4.0	
5	AR801717	INSTALL NEW 240V, 6.6A, 5KW 3-STEP CONSTANT CURRENT REGULATOR IN VAULT	LUMP SUM	1.0	
6	AR801718	2-2" SCH. 40 PVC DIRECTIONAL BORE	LINEAR FOOT	505.0	
7	AR801719	2-2" PVC DUCT, DIRECT BURY	LINEAR FOOT	1735.0	
8	AR801720	PROVIDE AND INSTALL NEW TWO CAN JUNCTION CAN PLAZA	EACH	4.0	

LEGEND

- ROFA— RUNWAY OBJECT FREE AREA
- RSA— RUNWAY SAFETY AREA
- TOFA— TAXIWAY OBJECT FREE AREA
- TSA— TAXIWAY SAFETY AREA
- ST- PROPOSED STORM SEWER PIPE
- ST— EXISTING STORM SEWER PIPE
- 657— EXISTING CONTOUR
- 657— PROPOSED CONTOUR
- — — BITUMINOUS PAVEMENT SAWING
- - - - LIMITS OF GRADING
- SF— SILT FENCE
- S— EXISTING SANITARY SEWER LINE
- S— PROPOSED SANITARY SEWER LINE
- T— EXISTING TELEPHONE LINE
- WTR— EXISTING WATER LINE
- W— PROPOSED WATER LINE
- X— EXISTING CHAIN LINK FENCE
- O— EXISTING WROUGHT IRON FENCE
- - - COMM - - - EXISTING COMMUNICATIONS CABLE
- COM— PROPOSED COMMUNICATIONS CABLE
- - - G - - - EXISTING NATURAL GAS LINE
- GAS— PROPOSED NATURAL GAS SLEEVE
- - - E - - - EXISTING POWER CONDUIT
- ELEC— PROPOSED ELECTRICAL CONDUIT
- - - UD - - - PROPOSED UNDERDRAIN
- △ ● FOUND SURVEY MONUMENT
- ×656.15 SPOT ELEVATION
- Ⓛ EXISTING ELECTRICAL HANDHOLE
- Ⓧ EXISTING ELECTRICAL MANHOLE
- Ⓜ EXISTING ELECTRICAL CABINET
- Ⓝ EXISTING ELECTRICAL DUCT MARKER
- Ⓣ EXISTING COMMUNICATIONS/TELEPHONE PEDESTAL
- Ⓢ EXISTING COMMUNICATIONS/TELEPHONE MANHOLE
- Ⓢ EXISTING NATURAL GAS VALVE
- Ⓢ EXISTING SANITARY SEWER MANHOLE
- Ⓢ EXISTING WATER MANHOLE
- Ⓢ EXISTING UTILITY
- Ⓢ EXISTING STORM SEWER INLET
- Ⓢ PROPOSED STORM SEWER INLET
- Ⓢ EXISTING AIRCRAFT TIE DOWN
- Ⓢ PROPOSED AIRCRAFT TIE DOWN
- Ⓢ EXISTING RETROREFLECTIVE MARKER
- Ⓢ PROPOSED RETROREFLECTIVE MARKER
- Ⓢ BL-X BORING LOCATION
- Ⓢ INLET PROTECTION
- Ⓢ BMX SURVEY BENCHMARK
- Ⓢ CP CONTROL POINT
- Ⓢ EXISTING HYDRANT AND VALVE
- Ⓢ PROPOSED WATERMAIN STRUCTURE

ABBREVIATIONS

- | | | | |
|--------|---------------------------------------|------|-----------------------------------|
| AC | ADVISORY CIRCULAR | MIN | MINIMUM |
| AOA | AIR OPERATIONS AREA | MH | MANHOLE |
| APPROX | APPROXIMATELY | N | NORTH |
| BM | BENCHMARK | NE | NORTHEAST |
| CB | CATCH BASIN | NO | NUMBER |
| CL | CENTERLINE | NW | NORTHWEST |
| CP | CONTROL POINT | NTS | NOT TO SCALE |
| COMM | COMMUNICATIONS | OC | ON-CENTER |
| CY | CUBIC YARD | OFA | OBJECT FREE AREA |
| E | EAST | PC | POINT OF CURVATURE |
| EA | EACH | POC | POINT ON CURVE |
| EG | EXISTING GROUND | PR | PROPOSED |
| EL | ELEVATION | PT | POINT OF TANGENCY |
| EX | EXISTING | R | RADIUS |
| FAA | FEDERAL AVIATION ADMINISTRATION | RCP | REINFORCED CONCRETE PIPE |
| FFE | FINISHED FLOOR ELEVATION | RSA | RUNWAY SAFETY AREA |
| FG | FINISHED GRADE | RT | RIGHT |
| FL | FLOWLINE | S | SOUTH |
| FOD | FOREIGN OBJECT DEBRIS | SE | SOUTHEAST |
| FT | FEET | SOQ | SUMMARY OF QUANTITIES |
| GAL | GALLON | STA | STATION |
| GB | GRADE BREAK | SW | SOUTHWEST |
| IDOT | ILLINOIS DEPARTMENT OF TRANSPORTATION | SY | SQUARE YARD |
| INV | INVERT | TOFA | TAXILANE/TAXIWAY OBJECT FREE AREA |
| LF | LINEAR FOOT | TSA | TAXILANE/TAXIWAY SAFETY AREA |
| LP | LOW POINT | TW | TAXIWAY |
| LS | LUMP SUM | TYP | TYPICAL |
| LT | LEFT | UNO | UNLESS NOTED OTHERWISE |
| MAX | MAXIMUM | VAR | VARIES |
| | | W | WEST |

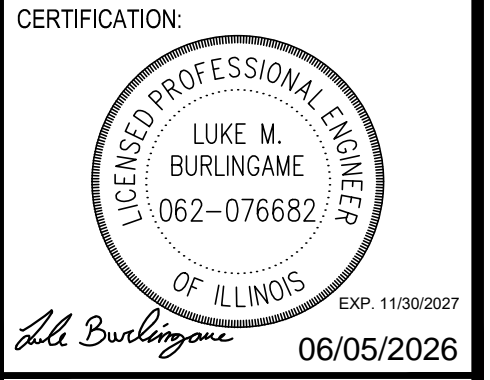


4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 TEL (630) 487-5550



DATE:	06/05/2026	SCALE:	NTS
DRAWN BY:	LMB	CHECKED BY:	JY
REV.	DATE	DESCRIPTION	
0	06/05/2026	ISSUED FOR BID	

TITLE: SHEET INDEX, SOQ, LEGEND AND ABBREVIATIONS
PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS



DRAWING NO. **GC-101**
 PROJECT NUMBER: 168001006



K:\CHS Aviation\168001006-105-Inst-GI-PAE\Coord Plans\168001006-GC-IndexNotes.dwg, Burlingame, Luke 6/14/2026 5:52 PM
THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNLAWFUL TO DISCLOSE, REPRODUCE, TRANSMIT, OR IN ANY MANNER MAKE AVAILABLE TO ANY PERSON OR ENTITY INFORMATION CONTAINED HEREIN, UNLESS AUTHORIZED BY THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

ACCESS AND SAFETY NOTES:

I. ACCESS AND VEHICLE PARKING:

- A. ACCESS POINT AND HAUL ROUTE FOR ALL CONTRACTOR PERSONNEL, VEHICLES AND EQUIPMENT ARE AS SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS AND COORDINATE OFF SITE HAUL ROUTES WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. HAUL ROUTES ARE TO REMAIN CLEAN AND PASSABLE AT ALL TIMES.
- B. CONTRACTOR SHALL FURNISH AND INSTALL A PROFESSIONALLY PAINTED SIGN MEETING OWNER APPROVAL AT THE CONSTRUCTION ENTRANCE TO DIRECT MATERIAL SUPPLIERS AND EMPLOYEES TO THE CONSTRUCTION SITE. THE SIGN SHALL READ "CONSTRUCTION VEHICLES ONLY - NO VENDORS ALLOWED".
- C. ALL CONTRACTOR VEHICLES AND PERSONNEL SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. NO CONTRACTOR VEHICLES WILL BE ALLOWED ON OTHER AIRFIELD OPERATIONS AREAS.
- D. THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY THE ENGINEER AND AIRPORT MANAGER.
- E. ALL ACCESS GATES SHALL BE KEPT CLOSED DURING CONTRACTOR'S WORK HOURS. THE CONTRACTOR SHALL CLOSE AND LOCK ACCESS GATE AT THE COMPLETION OF EACH WORK DAY. AIRPORT MANAGER WILL PROVIDE LOCK AND KEYS FOR ACCESS GATE.
- F. AT THE COMPLETION OF EACH WORKDAY OR WHEN NOT IN USE, CONSTRUCTION EQUIPMENT SHALL BE STORED IN THE CONTRACTOR'S STAGING AREA AND/OR DESIGNATED EQUIPMENT STAGING AREAS. CLOSED AREAS OF APRON PAVEMENT MAY BE USED FOR TEMPORARY STAGING OF EQUIPMENT WITH THE APPROVAL OF THE AIRPORT MANAGER.

II. COORDINATION AND COMMUNICATION DURING CONSTRUCTION:

- A. CONTRACTOR SHALL ADVISE AND THEN VERIFY WITH RESIDENT ENGINEER 72 HOURS IN ADVANCE AS TO THE NEED FOR NOTICES TO AIR MISSIONS (NOTAMS), NO RUNWAY, TAXIWAY OR APRON SHALL BE CLOSED WITHOUT APPROVAL FROM THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
- B. CONTRACTOR SHALL APPOINT A CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE AIRPORT MANAGER, WHO SHALL BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE JOB IS IN PROGRESS. THE SUPERINTENDENT SHALL BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO SHALL BE AVAILABLE ON A 24-HOUR BASIS.
- C. PRIOR TO CONSTRUCTION IN THE RESPECTIVE WORK AREAS, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA AS SHOWN ON DRAWINGS PH-101 THROUGH PH-103 BY USING LOW PROFILE BARRICADES. CONTRACTOR SHALL MAINTAIN, MOVE AND REMOVE BARRICADES (AS DIRECTED BY THE ENGINEER) TO DELINEATE AREAS CLOSED TO AIRCRAFT TRAFFIC.
- D. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO AIRPORT MANAGER THE NAME AND TELEPHONE NUMBER OF THE INDIVIDUAL(S) WHO WILL BE ON CALL 24 HOURS PER DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING & BARRICADES.
- E. THE CONTRACTOR SHALL HAVE ON-SITE AT ALL TIMES DURING WORKING HOURS, AN AIRPORT RADIO TO CONTINUOUSLY MONITOR AIRCRAFT TRAFFIC ON AND AROUND THE AIRPORT. THE COMMON TRAFFIC ADVISORY FREQUENCY IS 122.90. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MONITOR AND GIVE WAY TO ALL AIRCRAFT TRAFFIC.

III. TRAFFIC CONTROL:

- A. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE MARKED WITH COMPANY PAINTED DESIGNS, INSIGNIAS OR OTHER COMPANY MARKINGS, WHICH ARE CLEARLY VISIBLE. CONTRACTOR SHALL PROVIDE EACH VEHICLE WITH A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHOULD BE AT LEAST 3 FOOT SQUARE, AND HAVE A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE. ALL VEHICLES ON THE AIRFIELD SHALL BE LIT WITH A BEACON AND FLASHERS.
- B. CONSTRUCTION EQUIPMENT SHALL HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.
- C. ONLY RUBBER Tired VEHICLES WILL BE ALLOWED ON PAVEMENT.
- D. NO PEDESTRIAN TRAFFIC OUTSIDE THE CONSTRUCTION WORK SITE WILL BE PERMITTED.
- E. ANY DAMAGE TO AIRPORT ROADS, AIRFIELD PAVEMENT, PARKING AREAS, STORAGE AREAS OR TURF AREAS DUE TO CONSTRUCTION EQUIPMENT OR CONSTRUCTION TRAFFIC SHALL BE REPAIRED TO ORIGINAL CONDITION TO THE SATISFACTION OF, AND AT NO EXPENSE TO THE OWNER.
- F. ANY WORKERS AND/OR EQUIPMENT NOT IN COMPLIANCE WITH CONSTRUCTION SAFETY AND PHASING PLAN SHALL IMMEDIATELY BE REMOVED FROM THE WORK AREA AND THEY WILL NOT BE PERMITTED TO WORK ON THE SITE THROUGHOUT THE REMAINDER OF THE PROJECT.

IV. EQUIPMENT AND STOCKPILE HEIGHT:

- A. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT OPERATING IN THE AOA SHALL BE IN CONFORMANCE WITH THE FAA FORM 7460 DEVELOPED FOR THIS PROJECT. EQUIPMENT MUST NOT PENETRATE THE ROFA OF ANY ACTIVE RUNWAY, OR TOFA OF ANY ACTIVE TAXIWAY, AS DEFINED IN FAA AC 150/5300-13, CURRENT EDITION. ANY DEVIATIONS FROM THE APPROVED FAA FORM 7460 MUST BE APPROVED BY THE AIRPORT AND RESUBMITTED TO THE FAA. ADDITIONAL FAA SUBMITTAL SHALL HAVE NO IMPACT ON THE CONSTRUCTION SCHEDULE.
- B. CONTRACTOR SHALL NOT STOCKPILE CONSTRUCTION MATERIALS, SPOILS, DEBRIS OR REFUSE IN ANY AREA WHERE SUCH STOCKPILES WOULD PENETRATE APPROACH SURFACES. STOCKPILING OF MATERIAL WITHIN THE SAFETY AREA AND THE OBJECT FREE AREA OF AN ACTIVE RUNWAY OR TAXIWAY IS PROHIBITED.
- C. ALL STOCKPILES ADJACENT TO ACTIVE RUNWAY SAFETY AREAS OR OBSTACLE FREE ZONES SHALL BE IDENTIFIED WITH AN ORANGE & WHITE CONSTRUCTION FLAG AND A 360 DEGREE RED OBSTRUCTION LIGHT PLACED AT THE HIGHEST POINT OF THE STOCKPILE.
- D. STOCKPILED MATERIAL SHALL BE CONTAINED IN A MANNER TO PREVENT MOVEMENT AND/OR DUST RESULTING FROM AIRCRAFT PROPELLER WASH OR WIND CONDITIONS. IN ADDITION, STOCKPILED MATERIAL SHALL HAVE SILT FENCE PLACED AROUND IT TO PREVENT FOD FROM MOVING ONTO THE AIRFIELD PAVEMENTS OR POLLUTING WATERCOURSES.

V. EXCAVATION AND TRENCHES:

- A. ALL BARRICADES LOCATED WITHIN OR ADJACENT TO AREAS OF AIRCRAFT OPERATION SHALL BE LOW PROFILE TYPE AS DETAILED ON SHEET PH-501.
- B. OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE BARRICADES WITH FLASHING RED LIGHTS ACCEPTABLE TO THE AIRPORT MANAGER.
- C. ALL CONSTRUCTION AREAS THAT POSE A HAZARD TO OPERATING AIRCRAFT SHALL BE PROPERLY MARKED WITH LOW-PROFILE BARRICADES.
- D. LOW PROFILE BARRICADES SHALL BE KEPT OUTSIDE THE LIMITS OF ANY ACTIVE RUNWAY SAFETY AREA OR TAXIWAY OBJECT FREE AREA.

VI. OTHER SAFETY REQUIREMENTS:

- A. CONTRACTOR SHALL MAINTAIN SAFETY PRACTICES THAT CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
- B. WASTE AND LOOSE MATERIALS CAPABLE OF CAUSING DAMAGE TO AIRCRAFT SHALL NOT BE LEFT WITHIN ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE CLEANED UP IMMEDIATELY TO THE SATISFACTION OF THE AIRPORT MANAGER OR THE ENGINEER.
- C. ALL TRASH RECEPTACLES SHALL BE PROPERLY COVERED TO PREVENT FOD.
- D. THE CONTRACTOR SHALL CONTROL BLOWING DUST FROM ANY HAUL ROUTE OR WORK AREA REGARDLESS OF SOURCE.
- E. THE CONTRACTOR SHALL BE REQUIRED TO USE A WATER TRUCK AND A SWEEPER DURING ALL CONSTRUCTION ACTIVITIES AND AS DIRECTED BY THE AIRPORT MANAGER. COST FOR THE DUST CONTROL AND SWEEPING WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- F. THE CONTRACTOR MUST ATTEND A MANDATORY SAFETY TRAINING MEETING LED BY THE AIRPORT STAFF PRIOR TO THE START OF CONSTRUCTION.
- G. PRIOR TO THE COMPLETION OF EACH WORK DAY, ALL AIRFIELD PAVEMENT SURFACES WITHIN AND ADJACENT TO THE WORK AREA AND THOSE USED AS HAUL ROUTES SHALL BE SWEEP CLEAN.

VII. CONTRACTOR SAFETY PLAN SUBMITTALS:

- F. CONTRACTOR SHALL FURNISH A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) THAT PROVIDES DETAILED INFORMATION REGARDING COMPLIANCE WITH THE PROJECT'S CONSTRUCTION SAFETY AND PHASING PLAN IN CONJUNCTION WITH HIS/HER PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SPCD 10 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
 - 1. PROPOSED ACCESS POINTS, STAGING AREA AND HAUL ROUTES.
 - 2. ANY TEMPORARY MARKINGS TO BE USED.
 - 3. THE LOCATION AND TYPE OF BARRICADES OR OTHER TRAFFIC CONTROL DEVICES.
 - 4. AREAS TO WHICH CONSTRUCTION OPERATIONS WILL BE LIMITED, ALONG WITH PROPOSED MEASURES TO MINIMIZE THE POSSIBILITY OF CONTRACTOR EQUIPMENT AND/OR WORKERS ACCIDENTALLY ENTERING ANY AOA.
 - 5. ANY REQUESTED TEMPORARY AMENDMENTS TO THE AIRPORT SECURITY PLAN FOR SPECIAL CONDITION OR MODIFICATIONS.
- B. CONTRACTOR SPCD SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN THESE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR (AC) 150/5370-2, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, CURRENT EDITION.

GENERAL NOTES:

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT, OBTAIN AND PAY FOR ALL APPLICABLE PERMITS, FEES AND LICENSES FOR CONSTRUCTION AND EQUIPMENT.
- 2. TRAFFIC MAINTENANCE, INCLUDING BUT NOT LIMITED TO, BARRICADES, TAXIWAY CLOSURE MARKERS, ETC SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTANT COORDINATION BETWEEN THE SUBCONTRACTORS AND THE ENGINEER. ALL CONSTRUCTION ACTIVITIES PLANNED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND OWNER.
- 4. LIMITS OF WORK SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.
- 5. THERE SHALL BE NO PERMANENT WASTE SITES ON AIRPORT PROPERTY. ANY TEMPORARY WASTE AREA WILL BE APPROVED BY THE ENGINEER AND SHALL BE KEPT IN A NEAT CONDITION. THE OWNER MAY DIRECT THE CONTRACTOR TO REMOVE WASTE IF NOT PROPERLY MAINTAINED.
- 6. PRIOR TO COMPLETION OF THE PROJECT THE CONTRACTOR SHALL RESTORE ALL DAMAGED AREAS (NOT DESIGNATED FOR CONSTRUCTION) TO THEIR PRE-CONSTRUCTION CONDITION.
- 7. LOCATING, FLAGGING, AND PROTECTING ALL EXISTING UTILITIES DURING THE DURATION OF THE CONSTRUCTION PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE LOCATIONS OF THE EXISTING UTILITIES ON THE CONTRACT DRAWINGS WERE OBTAINED FROM EXISTING RECORDS AND NO GUARANTEE OF ACCURACY OR SUFFICIENCY FOR THIS INFORMATION IS ASSUMED BY THE OWNER OR ENGINEER. ANY DAMAGE TO ANY EXISTING UTILITIES WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF AND AT NO EXPENSE TO THE AIRPORT MANAGER.
- 8. THE CONSTRUCTION COVERED BY THE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE FAA AND IDOT.
- 9. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE ENGINEER.
- 10. CONTRACTOR SHALL EXAMINE THE FINISHED SURFACE, GRADES, TOPSOIL QUALITY, AND TOPSOIL DEPTH PRIOR TO LANDSCAPING. NO WORK SHALL BE CONDUCTED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. CONTRACTOR SHALL VERIFY LIMITS OF WORK WITH THE ENGINEER BEFORE STARTING.
- 11. CONTRACTOR SHALL IMPORT AND/OR PROVIDE SALVAGED TOPSOIL MEETING THE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- 12. THE CONTRACTOR SHALL FURNISH AND PLACE A MINIMUM OF 4.00 INCHES OF TOPSOIL, WITH THE LOWER PORTION BLENDED INTO EXISTING SOILS.
- 13. PROPOSED ELEVATIONS INDICATED ARE FOR TOP OF FINAL GRADE, PAVEMENT, OR STRUCTURE UNLESS INDICATED OTHERWISE.
- 14. ELEVATIONS DENOTED AS "MATCH" ARE INTENDED TO MEET EXISTING GRADE ELEVATIONS. CONTRACTOR SHALL VERIFY ELEVATIONS AT TIE-INS AND MATCH POINTS PRIOR TO BEGINNING CONSTRUCTION AND VERIFY WITH THE ENGINEER.
- 15. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ANY DRAINAGE FEATURE OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER SUBJECT TO THE APPROVAL OF THE AIRPORT MANAGER. ANY REWORK OR ADDITIONAL WORK REQUIRED BECAUSE OF THE CONTRACTOR'S FAILURE TO MAINTAIN ADEQUATE DRAINAGE WILL BE AT THE CONTRACTOR'S EXPENSE.
- 16. THE CONTRACTOR SHALL REMOVE STANDING WATER FROM THE PROJECT WORK LIMITS AS NECESSARY TO PROTECT SUBGRADE, SUBBASE, AND/OR BASE COURSE TO NEW PAVEMENT, SURROUNDING PAVEMENT-TO-REMAIN, OR OTHER COMPLETED WORKS.
- 17. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING ALL UTILITY CONNECTION FEES AND OBTAINING ALL PERMITS REQUIRED FOR THE UTILITY CONSTRUCTION AND CONNECTIONS. THIS INCLUDES ALL FEES ASSOCIATED WITH CONNECTION CHARGES AND METERS.
- 18. THE CONTRACTOR SHALL NOTE THAT OTHER CONTRACTORS MAY BE WORKING IN THE VICINITY OF THE PROJECT AND MAY REQUIRE ACCESS TO THEIR WORK AREAS. THE CONTRACTOR SHALL NOT DIRECTLY COMMUNICATE WITH THE CONTRACTORS ON OTHER PROJECTS UNLESS AUTHORIZED TO DO SO. COOPERATION OF THE CONTRACTOR WITH ADJACENT PROJECTS IS EXPECTED.

Kimley»Horn

4201 WINFIELD ROAD
SUITE 600
WARRENVILLE, IL 60555
TEL (630) 487-5550



DATE: 06/05/2026 SCALE: NTS

DRAWN BY: LMB CHECKED BY: JY

REV. DATE DESCRIPTION

0 06/05/2026 ISSUED FOR BID

TITLE: ACCESS, SAFETY, AND GENERAL NOTES
PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:



06/05/2026

DRAWING NO. GC-102

PROJECT NUMBER: 168001006



AIRSPACE CRITICAL LOCATIONS (7460)

POINT #	DESCRIPTION	NORTHING	EASTING	MAX STRUCTURE HEIGHT	ELEVATION	OVERALL OBJECT HEIGHT	LATITUDE	LONGITUDE	AERONAUTICAL STUDY NUMBER
1	CONTRACTOR EQUIPMENT	1830754.88	1039794.87	25'	651'	676'	N41° 41' 34.49"	W88° 07' 47.85"	2025-AGL-8342-NRA
2	CONTRACTOR EQUIPMENT	1832744.43	1039732.85	25'	665'	690'	N41° 41' 54.14"	W88° 07' 48.61"	2025-AGL-8342-NRA
3	CONTRACTOR EQUIPMENT	1832747.55	1039832.72	25'	668'	693'	N41° 41' 54.17"	W88° 07' 47.29"	2025-AGL-8342-NRA
4	CONTRACTOR EQUIPMENT	1830757.99	1039894.82	25'	659'	684'	N41° 41' 34.52"	W88° 07' 46.53"	2025-AGL-8342-NRA
5	CONTRACTOR EQUIPMENT	1831079.75	1039884.78	25'	660'	685'	N41° 41' 37.69"	W88° 07' 46.66"	2025-AGL-8342-NRA
6	CONTRACTOR EQUIPMENT	1831155.24	1039882.43	25'	660'	685'	N41° 41' 38.44"	W88° 07' 46.68"	2025-AGL-8342-NRA
7	CONTRACTOR EQUIPMENT	1831169.37	1040335.86	25'	659'	684'	N41° 41' 38.57"	W88° 07' 40.71"	2025-AGL-8342-NRA
8	CONTRACTOR EQUIPMENT	1831093.89	1040338.21	25'	658'	683'	N41° 41' 37.82"	W88° 07' 40.68"	2025-AGL-8342-NRA

PHASE***	DURATION (WORKING DAYS)*	AIRFIELD CLOSURES	WORK ELEMENTS**	WORK RESTRICTIONS
1	15	1. RUNWAY 18/36 WHEN WORKING INSIDE THE RUNWAY SAFETY AREA	1. INSTALLATION OF CABLE IN UNIT DUCT. 2. ELECTRICAL VAULT MODIFICATIONS. 3. INSTALLATION OF NEW L-881 PAPI.	1. RUNWAY 18-36 SHALL BE CLOSED ANYTIME WORK ENTERS THE RUNWAY SAFETY AREA. 2. ALL EQUIPMENT MUST BE LOWERED WHEN NOT IN USE AND MAY NOT BE LEFT INSIDE OF THE RUNWAY OBJECT FREE AREA.
2	10	1. RUNWAY 18/36 WHEN WORKING INSIDE THE RUNWAY SAFETY AREA	1. INSTALLATION OF NEW L-881 PAPI. 2. INSTALLATION OF CABLES, CABLES IN UNIT DUCT, AND ASSOCIATED MATERIALS.	1. RUNWAY 18-36 SHALL BE CLOSED ANYTIME WORK ENTERS THE RUNWAY SAFETY AREA. 2. ALL EQUIPMENT MUST BE LOWERED WHEN NOT IN USE AND MAY NOT BE LEFT INSIDE OF THE RUNWAY OBJECT FREE AREA.

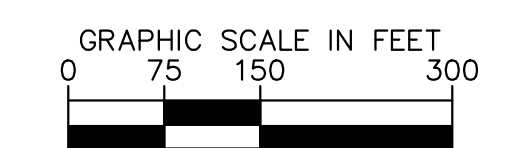
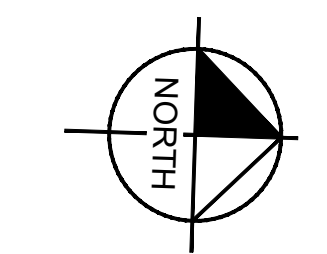
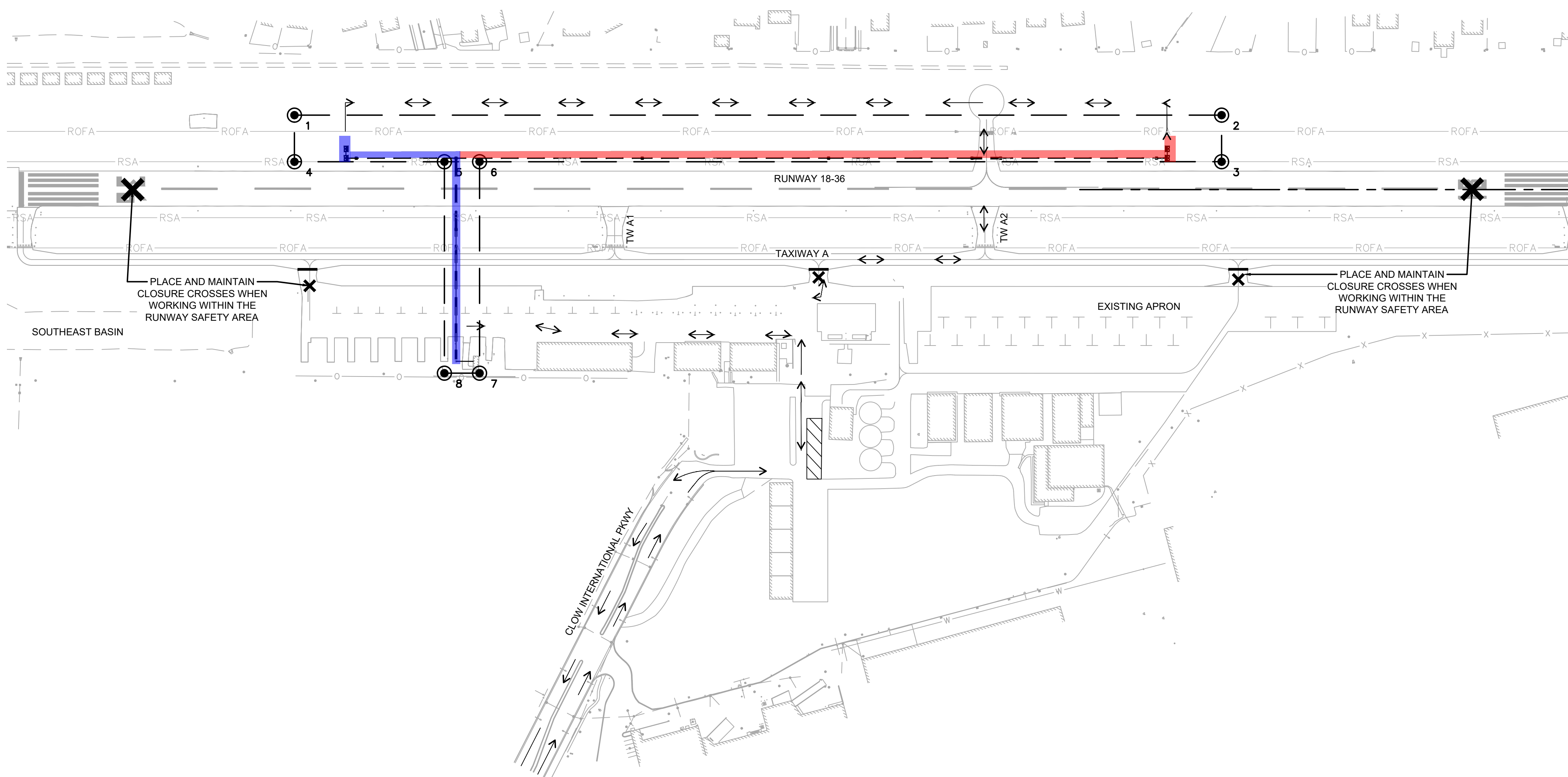
* DURATIONS DO NOT INCLUDE TIME REQUIRED FOR THE FAA FLIGHT CHECK OR MATERIAL PROCUREMENT
 **THESE ARE MAJOR WORK ELEMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL WORK ELEMENTS WITHIN EACH OPERATIONAL PHASE
 ***PHASE 1 AND 2 MAY BE WORKED ON CONCURRENTLY WITH APPROVAL FROM THE AIRPORT.

LEGEND

- PHASE 1 WORK LIMITS
- PHASE 2 WORK LIMITS
- CONTRACTOR STAGING AND STORAGE AREA
- LOW PROFILE BARRICADES (SEE DETAIL ON PH-501)
- AIRSPACE EVALUATION LIMITS
- AIRSPACE CRITICAL LOCATION
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- CONTRACTOR HAUL ROUTE
- TAXIWAY OR RUNWAY CLOSURE CROSS (SEE DETAIL ON SHEET PH-501)

GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE TO THE AIRPORT AND RESIDENT ENGINEER FOR APPROVAL IN ACCORDANCE WITH THESE PHASING PLANS, SPECIFICATIONS, AND GENERAL PROVISIONS.
- THE CONTRACTOR SHALL NOTIFY THE AIRPORT MANAGER AND RESIDENT ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF WORK INSIDE THE RSA. THE RSA SHALL BE MARKED AND VISIBLE WITH SPRAY PAINT AT ALL TIMES THROUGHOUT CONSTRUCTION.
- PRIOR TO IMPLEMENTATION OF THIS PLAN, THE AIRPORT WILL ANALYZE ALL CONSTRUCTION ACTIVITY AND/OR OTHER SPECIALIZED ACTIVITY ON THE AIRPORT AND DETERMINE THE LIMITATIONS TO BE IMPOSED.
- WORK WITHIN ACTIVE TAXIWAY SAFETY AND/OR OBJECT FREE AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE PHASING PLANS AND SHALL BE COORDINATED WITH THE AIRPORT.
- THE CONTRACTOR SHALL BE AWARE AND YIELD TO ALL ACTIVE AIRCRAFT OPERATIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ACCESS EACH WORK AREA BY THE HAUL ROUTES SHOWN ON THE PLANS. ANY DEVIATION TO THE HAUL ROUTES MUST BE APPROVED BY THE AIRPORT AND RESIDENT ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO SERVICE ROADS AND AIRPORT TENANT AREAS AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE THE AIRPORT ENTRANCE AT CLOW INTERNATIONAL PARKWAY TO GAIN ACCESS TO THE JOB SITE.
- THE USE OF OFF-ROAD TRUCKS ARE NOT PERMITTED ON THE AIRPORT SERVICE DRIVES OR OTHER ROADWAYS. THE CONTRACTOR CAN ONLY UTILIZE TRUCKING EQUIPMENT SUITABLE FOR OVER-THE-ROAD USE.
- THE CONTRACTOR SHALL LIMIT TRUCK TRAFFIC BACKING UP ON CLOW INTERNATIONAL PARKWAY.
- THE CONTRACTOR SHALL CONDUCT POWER VACUUM CLEANING IMMEDIATELY FOLLOWING ANY ACCESS ONTO OR CROSSING OF THE PAVEMENT BY CONSTRUCTION TRAFFIC.
- NOTICE OF PROPOSED CONSTRUCTION WAS SUBMITTED ON JUNE 09, 2025 TO THE FAA OBSTRUCTION EVALUATION/ AIRPORT AIRSPACE ANALYSIS (OE/AAA).
- THE CONTRACTOR'S SPCD SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN THESE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR (AC) 150/5370-2, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, CURRENT EDITION.



4201 WINFIELD ROAD
 SUITE 600
 WARRENVILLE, IL 60555
 TEL (630) 487-5550



DATE:	06/05/2026	SCALE:	NTS
DRAWN BY:	LMB	CHECKED BY:	JY

REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

CONSTRUCTION SAFETY AND PHASING PLAN
INSTALL PRECISION APPROACH PATH INDICATOR (PAPI)
FOR RUNWAY 18/36
VILLAGE OF BOLINGBROOK
BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:

LUKE M. BURLINGAME
 LICENSED PROFESSIONAL ENGINEER
 OF ILLINOIS
 062-076682
 EXP. 11/30/2027

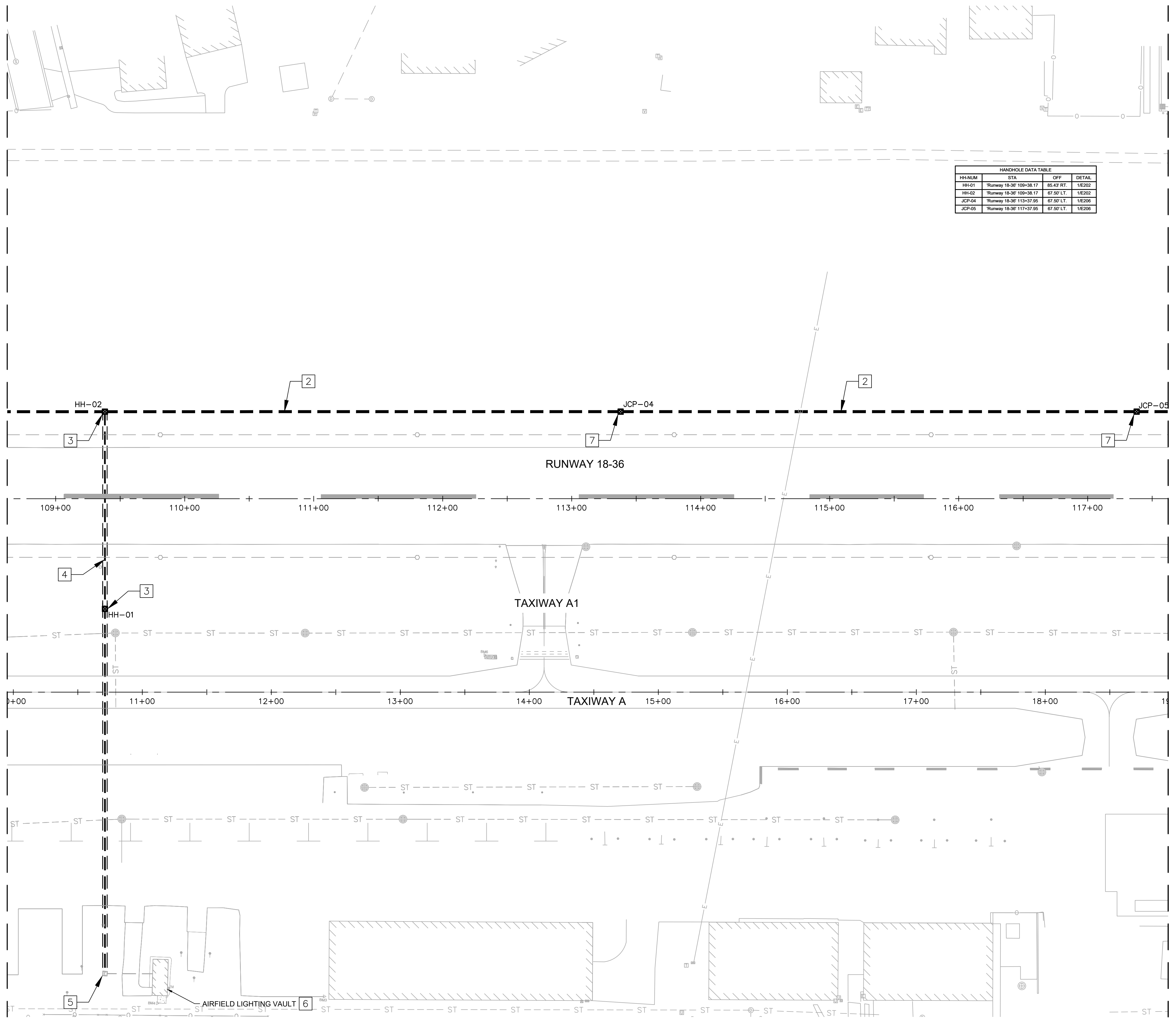
DRAWING NO. **PH-101**

PROJECT NUMBER: 168001006

K:\GIS_Airport\168001006_105_Inst\11_PAPI_Coord\Drawings\168001006-011_Phasing.dwg, Burlingame, Luke, 6/4/2026, 2:05 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED IN 49 CFR PART 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DIRECTED IN 49 CFR PART 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR, THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

K:\CHS Aviation\168001006-105-Instal PAPI\Coord Plans\168001006-El.dwg Burdige, Luke 6/8/2026 4:51 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DIRECTED IN 49 CFR PART 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR, THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

MATCH LINE - SEE SHEET E101



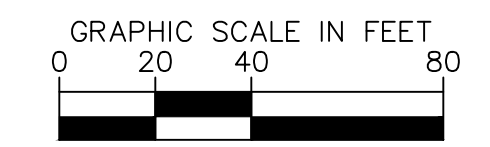
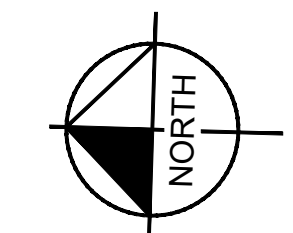
HANDHOLE DATA TABLE			
HH-NUM	STA	OFF	DETAIL
HH-01	Runway 18-36 109+38.17	85.43 RT.	1E202
HH-02	Runway 18-36 109+38.17	67.50 LT.	1E202
JCP-04	Runway 18-36 113+37.95	67.50 LT.	1E206
JCP-05	Runway 18-36 117+37.95	67.50 LT.	1E206

LEGEND

- NEW DUCT
- EXISTING CONDUIT
- DIRECTIONAL BORE
- CONCRETE HANDHOLE
- PRECISION APPROACH PATH INDICATOR (PAPI)

- CONSTRUCTION NOTES**
- 2 INSTALL NEW 2-2" DIRECT BURIED SCH 40 PVC OR HDPE DUCT WITH L-824 5KV AIRFIELD CABLING FOR PAPI CIRCUIT. SEE SHEET E201 FOR DETAIL.
 - 3 INSTALL NEW H-20 LOAD RATED CONCRETE HANDHOLE. SEE SHEET E202 FOR DETAIL.
 - 4 INSTALL NEW 2-2" PVC OR HDPE CONDUIT IN DIRECTIONAL BORE WITH WITH L-824 5KV AIRFIELD CABLING FOR PAPI CIRCUIT. SEE E201 FOR DETAIL.
 - 5 INTERCEPT EXISTING HANDHOLE WITH NEW 2-2" CONDUIT AND L-824 5KV AIRFIELD CABLING FOR PAPI CIRCUIT.
 - 6 FURNISH AND INSTALL NEW L-828 240V, 6.6A, 5KW 3-STEP CONSTANT CURRENT REGULATOR IN EXISTING AIRFIELD LIGHTING VAULT FOR NEW PAPI CIRCUIT.
 - 7 FURNISH AND INSTALL NEW TWO CAN JUNCTION CAN PLAZA. SEE DETAIL E206 FOR DETAIL.

MATCH LINE - SEE SHEET E103



4201 WINFIELD ROAD
SUITE 600
WARRENVILLE, IL 60555
TEL (630) 487-5550



DATE: 06/05/2026	SCALE: 1"= 40'-0"
DRAWN BY: DKP	CHECKED BY: JDB

REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

TITLE: ELECTRICAL LAYOUT
 PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:

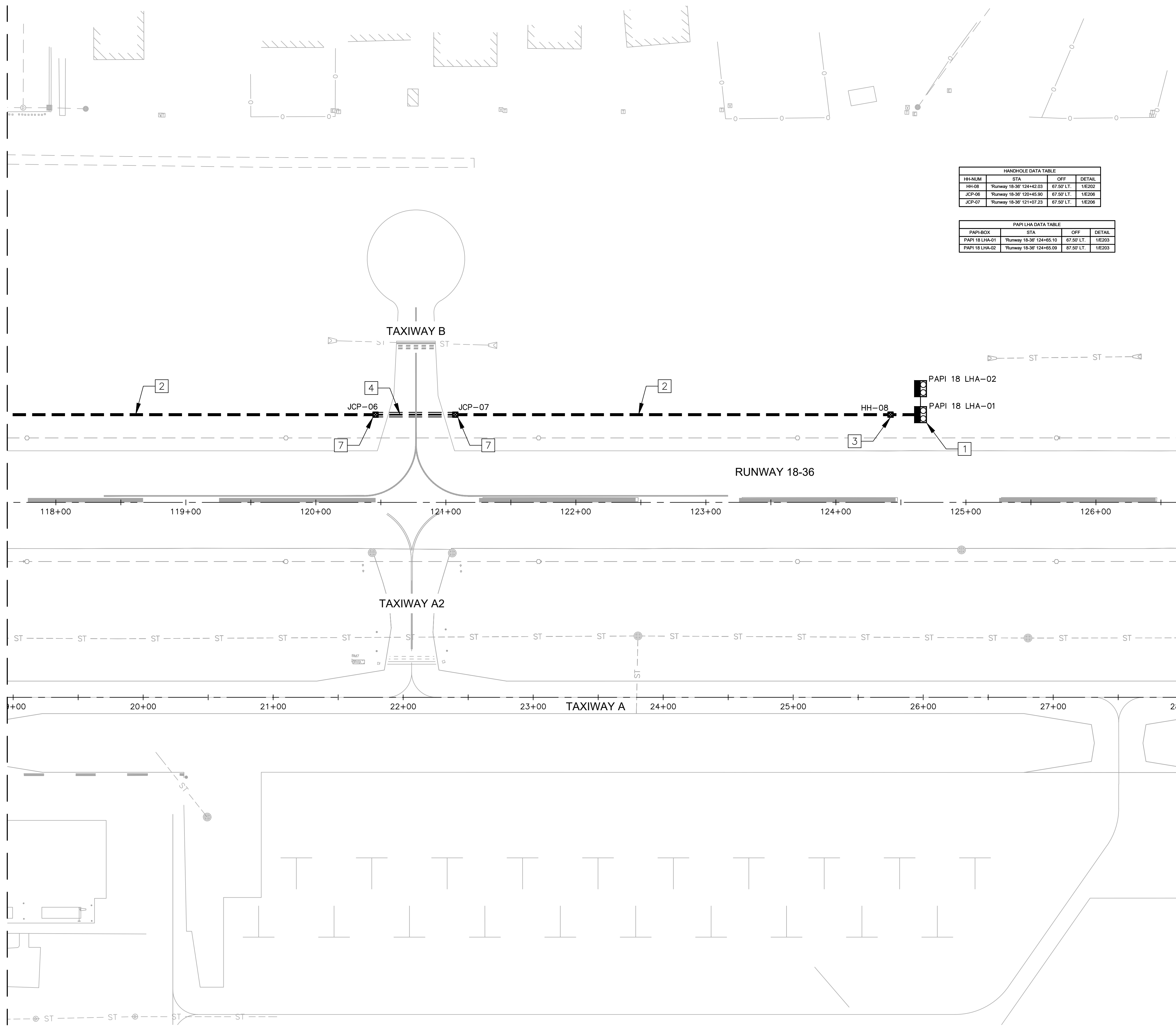
Joseph D. Bradshaw
06/05/2026

DRAWING NO. E102
 PROJECT NUMBER: 168001006

K:\CHS Aviation\168001006-105-Instal PAPI\Coord Plans\168001006-El.dwg Burdiggome, Luke 6/8/2026 4:51 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION AND IS CONTROLLED BY THE TRANSPORTATION SECURITY ADMINISTRATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

MATCH LINE - SEE SHEET E102

MATCH LINE - SEE SHEET E104



HANDHOLE DATA TABLE			
HH-NUM	STA	OFF	DETAIL
HH-08	Runway 18-36 124+42.03	67.50' LT.	1/E202
JCP-06	Runway 18-36 120+45.90	67.50' LT.	1/E206
JCP-07	Runway 18-36 121+07.23	67.50' LT.	1/E206

PAPI LHA DATA TABLE			
PAPI-BOX	STA	OFF	DETAIL
PAPI 18 LHA-01	Runway 18-36 124+65.10	67.50' LT.	1/E203
PAPI 18 LHA-02	Runway 18-36 124+65.09	67.50' LT.	1/E203

LEGEND

- NEW DUCT
- EXISTING CONDUIT
- DIRECTIONAL BORE
- CONCRETE HANDHOLE
- PRECISION APPROACH PATH INDICATOR (PAPI)

- CONSTRUCTION NOTES**
- 1 INSTALL NEW L-881, STYLE B, CLASS II LED TWO BOX PAPI ON NEW CONCRETE FOUNDATION. SEE SHEET E205 FOR DETAIL.
 - 2 INSTALL NEW 2-2" DIRECT BURIED SCH 40 PVC OR HDPE DUCT WITH L-824 5KV AIRFIELD CABLING FOR PAPI CIRCUIT. SEE SHEET E201 FOR DETAIL.
 - 3 INSTALL NEW H-20 LOAD RATED CONCRETE HANDHOLE. SEE SHEET E202 FOR DETAIL.
 - 4 INSTALL NEW 2-2" PVC OR HDPE CONDUIT IN DIRECTIONAL BORE WITH WITH L-824 5KV AIRFIELD CABLING FOR PAPI CIRCUIT. SEE E201 FOR DETAIL.
 - 7 FURNISH AND INSTALL NEW TWO CAN JUNCTION CAN PLAZA. SEE DETAIL E206 FOR DETAIL.

Kimley»Horn

4201 WINFIELD ROAD
SUITE 600
WARRENVILLE, IL 60555
TEL (630) 487-5550

Bolingbrook
a place to grow

DATE:	06/05/2026	SCALE:	1"= 40'-0"
DRAWN BY:	DKP	CHECKED BY:	JDB
REV.	DATE	DESCRIPTION	
0	06/05/2026	ISSUED FOR BID	

ELECTRICAL LAYOUT

INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK

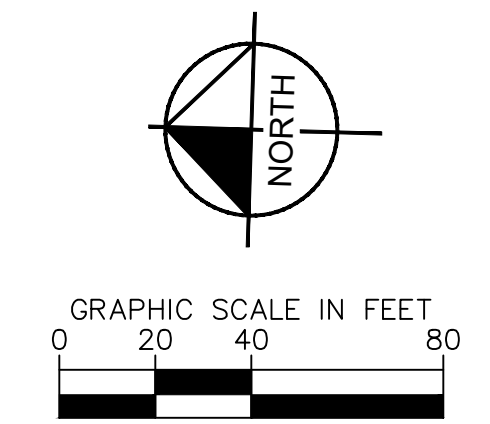
BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:

JOSEPH D. BRADSHAW
062-076052
OF ILLINOIS
EXP. 11/30/2027

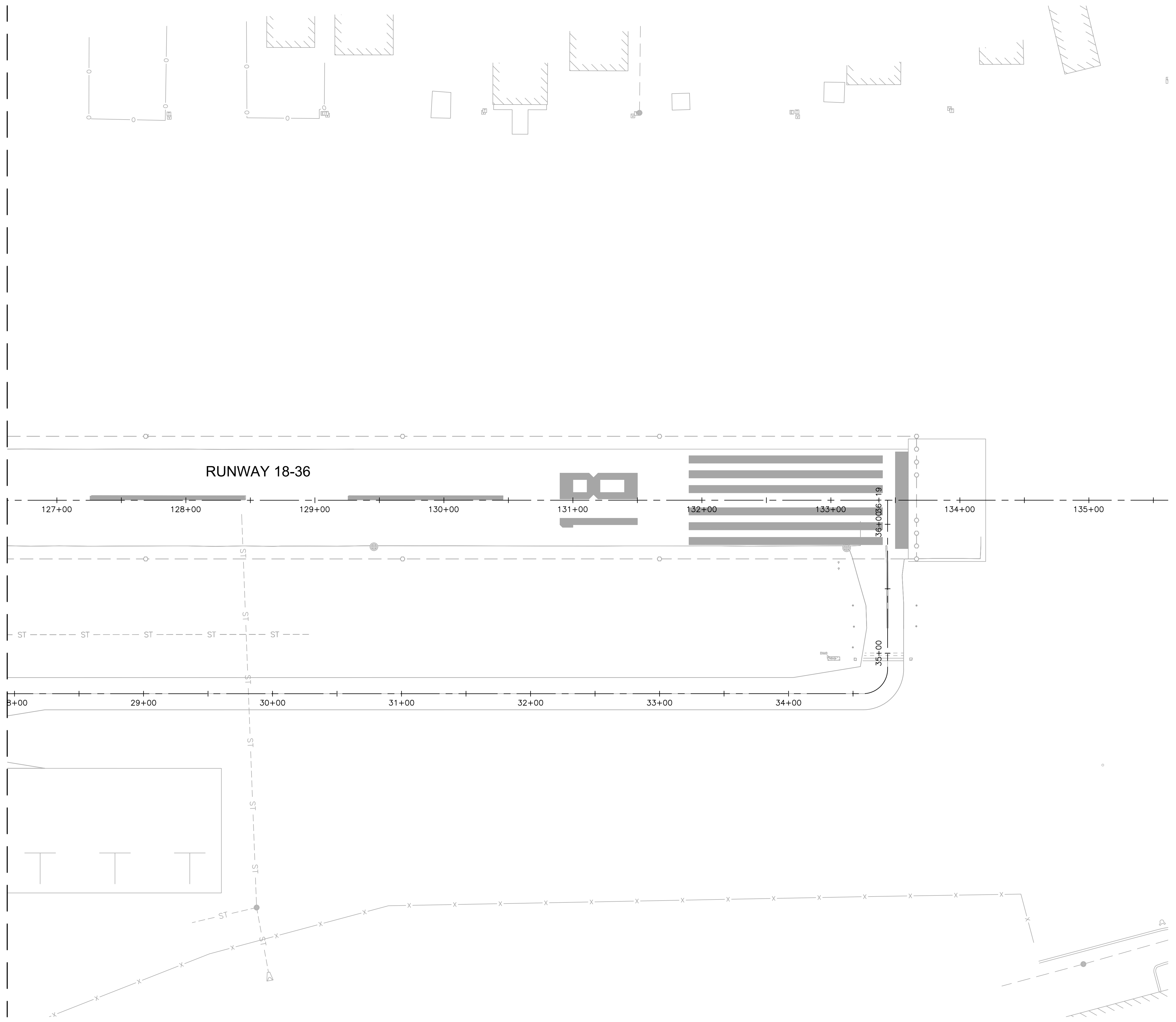
DRAWING NO. **E103**

PROJECT NUMBER: 168001006



K:\GIS_Aviation\168001006 - 105 - Install PAPI\Coord\Drawings\168001006 - E1.dwg Burdette, Luke 6/8/2026 4:51 PM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. NO PART OF THIS DOCUMENT MAY BE DISCLOSED TO PERSONS WITHOUT THE WRITTEN PERMISSION OF THE ADMINISTRATOR, THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

MATCH LINE - SEE SHEET E103



LEGEND

	NEW DUCT
	EXISTING CONDUIT
	DIRECTIONAL BORE
	CONCRETE HANDHOLE
	PRECISION APPROACH PATH INDICATOR (PAPI)

CONSTRUCTION NOTES
NO CONSTRUCTION THIS SHEET.



4201 WINFIELD ROAD
SUITE 600
WARRENVILLE, IL 60555
TEL (630) 487-5550

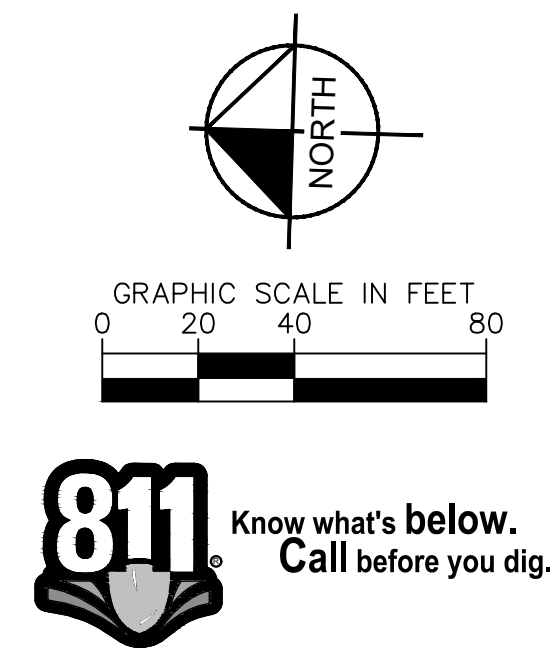


DATE: 06/05/2026	SCALE: 1" = 40'-0"	
DRAWN BY: DKP	CHECKED BY: JDB	
REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

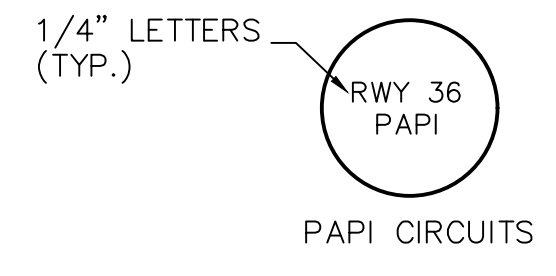
TITLE: ELECTRICAL LAYOUT
PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS



DRAWING NO.: E104
PROJECT NUMBER: 168001006



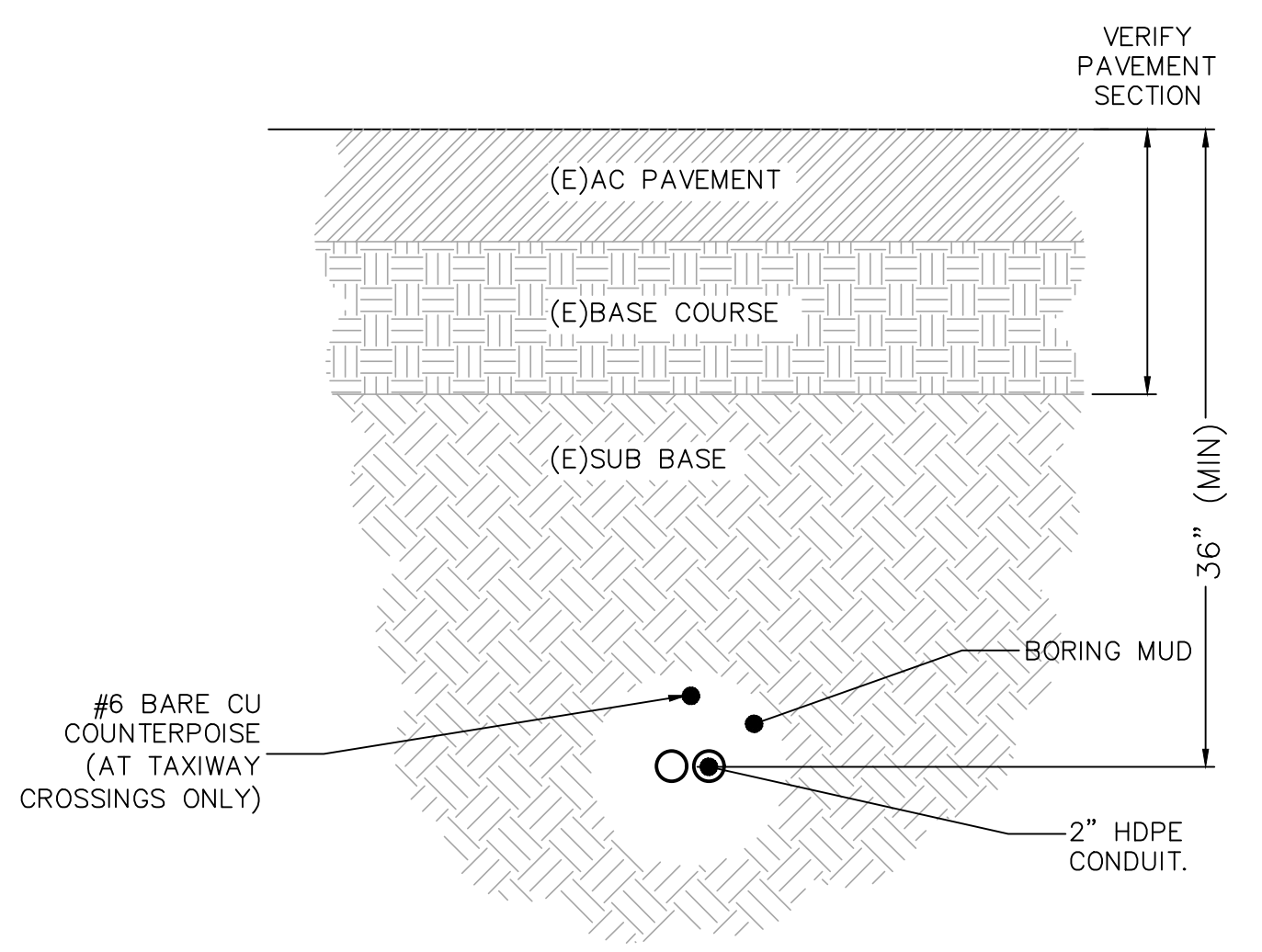
K:\CHS - Aviation\168001006 - 105 - Install PAPI\168001006-105.dwg
 DATE: 06/05/2026 4:11 PM
 DRAWN BY: DPK
 CHECKED BY: JDB
 PROJECT: INSTALLATION OF PAPI AND LIGHTING SYSTEMS FOR RUNWAY 18/36
 TITLE: ELECTRICAL DETAILS



NOTES:

1. BLANK SERVCO BRONZE MARKERS OR EQUIVALENT TO BE EMBEDDED IN FRESH CONCRETE AT TIME OF POUR. LOCATE ON SIDE OF BASE TOWARD R/W OR T/W OR AS DIRECTED BY OWNER. AFTER CONCRETE IS CURED, STAMP WITH FIXTURE AND CIRCUIT IDENTIFICATION AS SHOWN ON PLANS.
2. ALL LIGHTING SYSTEM (SIGNS AND LIGHTS) CABLES ENTERING OR LEAVING OR PASSING THROUGH A MANHOLE, HANDHOLE, PULLBOX, OR LIGHTING FIXTURE BASE SHALL BE IDENTIFIED ON EACH SIDE OF EACH L-823 CONNECTOR KIT WITH AN INDIVIDUAL IDENTIFICATION TAG INDICATING THE LIGHTING CIRCUIT.
3. NO LIGHTING SYSTEM CABLE SHALL BE PULLED "STRAIGHT THROUGH" A HANDHOLE, MANHOLE, JUNCTION BOX OR LIGHT BASE. EACH CABLE SHALL PROVIDED WITH THE SPECIFIED LOOP OF SLACK CABLE AND, UNLESS OTHERWISE NOTED, SHALL BE SPLICED IN EACH MANHOLE, HANDHOLE, JUNCTION BOX AND LIGHT BASE WITH L-823 CONNECTOR KITS AND HEAT-SHRINKABLE SHEATHS AND COLOR CODING. "HOMERUNS" SHALL BE RUN AS CONTINUOUSLY AS POSSIBLE WITHOUT SPLICES IN MANHOLES OR HANDHOLES. "HOMERUNS" ARE THE CIRCUIT PORTION FROM THE LAST HANDHOLE/MANHOLE CONTAINING BRANCHES OF THE CIRCUITS IN SEPARATE DIRECTIONS OF THE FIELD.
4. TAGS SHALL BE NON-CORROSIVE MATERIAL OF TYPE AND SIZE AS SPECIFIED UNDER IL AIRPORT CONSTRUCTION SPECIFICATIONS ITEM 108, CONNECT TO CABLE WITH PLASTIC CABLE TIE.
5. ALL NOMINAL 600V POWER CABLES OR MULTI-PAIR SIGNAL CABLES SHALL BE IDENTIFIED WITH INDIVIDUAL IDENTIFICATION TAGS ONE TIME AS THEY PASS THROUGH EACH HANDHOLE OR MANHOLE AND ON BOTH SIDES OF ANY SPLICES.

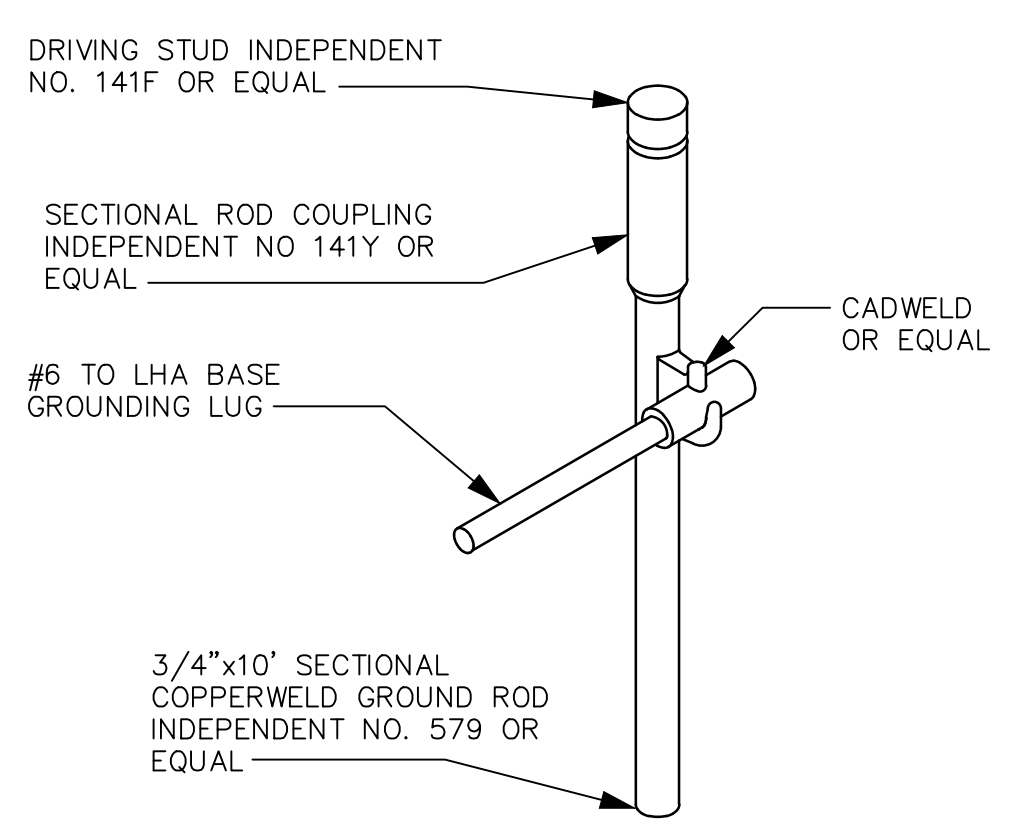
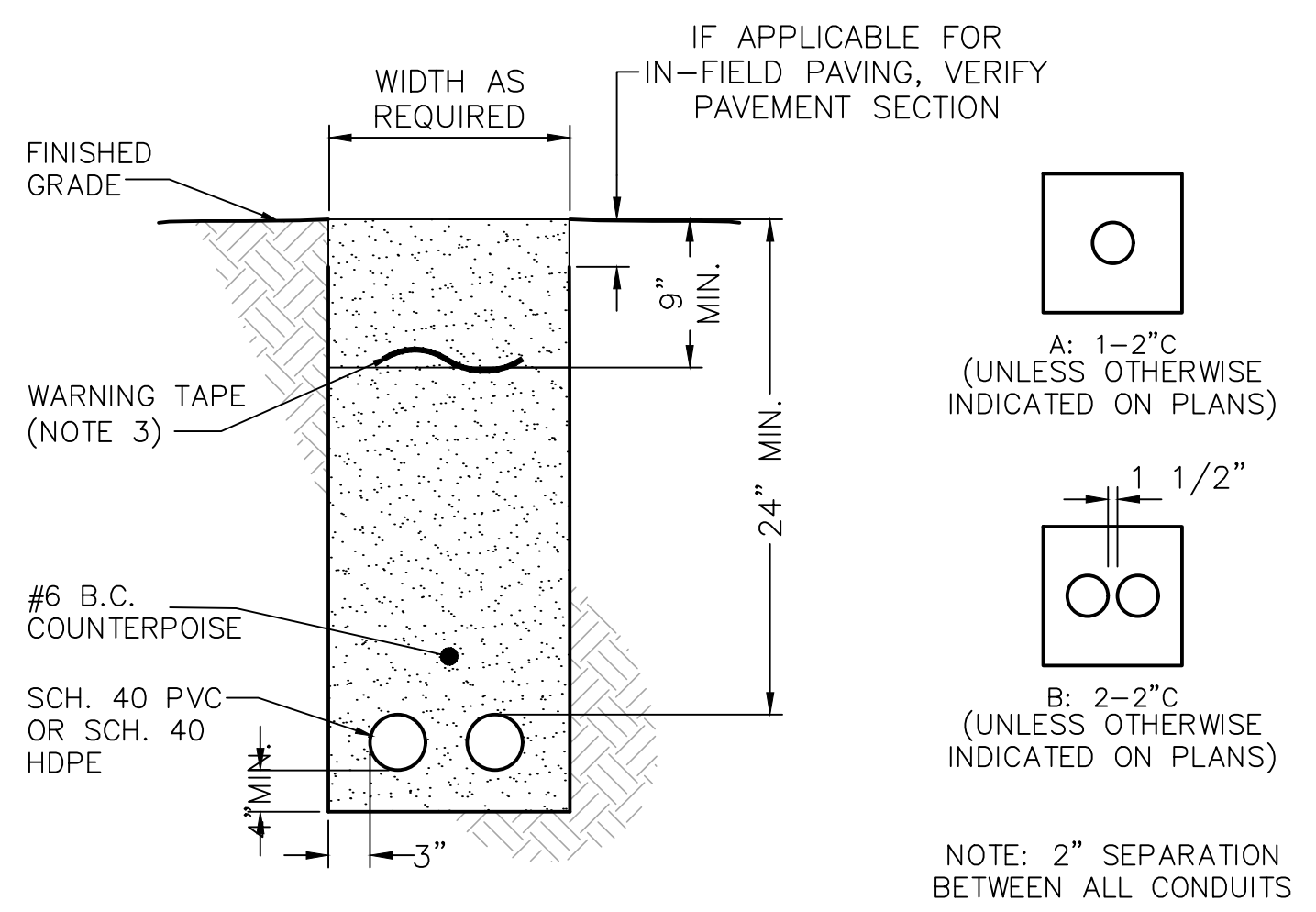
1 POWER AND COMMUNICATION CABLE TAGS
SCALE: NTS



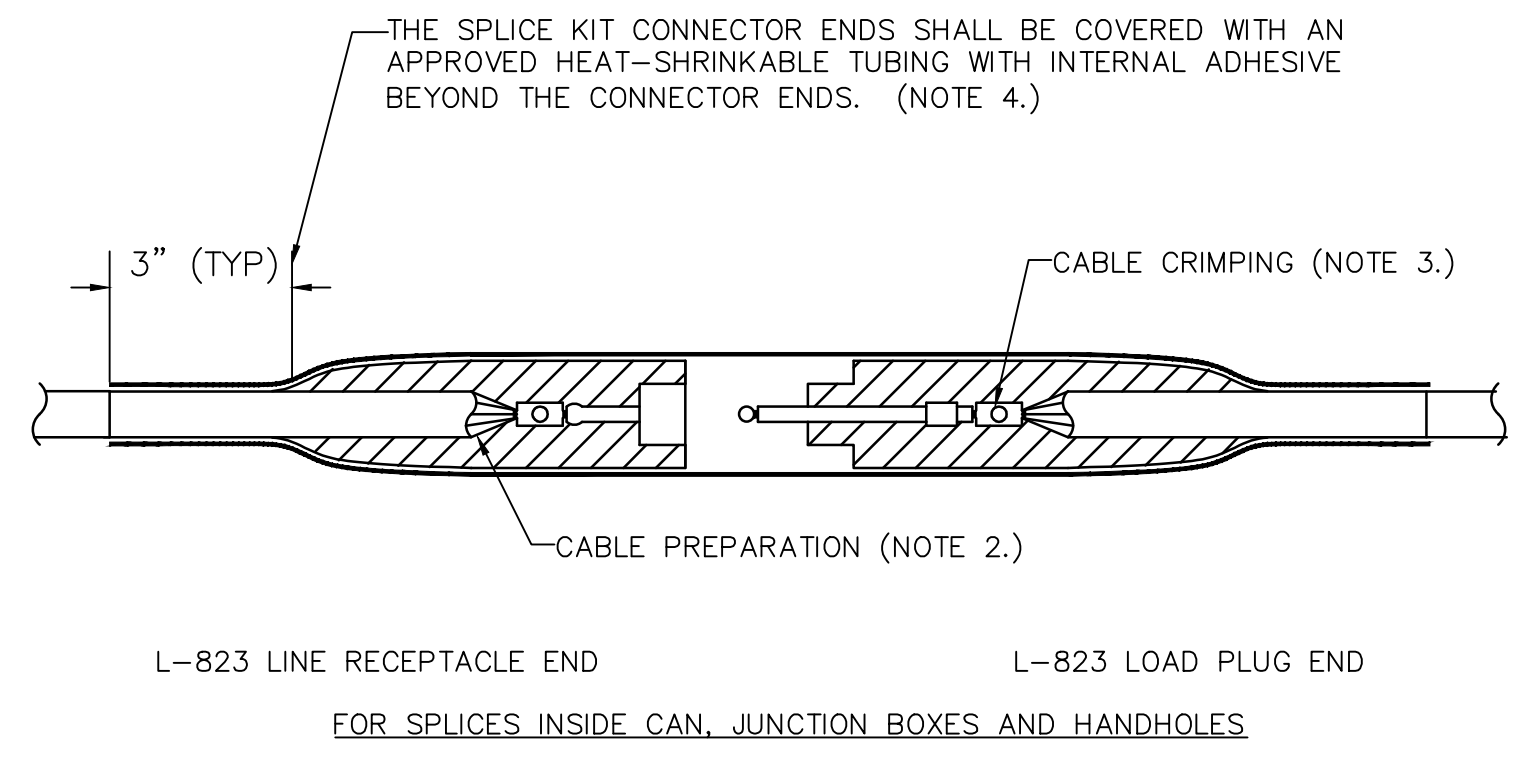
CONDUIT/DUCT & CABLE INSTALLATION NOTES:

1. SEE PLANS FOR REQUIRED DUCT SECTIONS. ALL OF THE SECTIONS SHOWN ON THIS DRAWING MAY NOT BE USED ON THIS PROJECT.
2. PROVIDE PULL ROPES IN ALL (NEW) UNUSED CONDUITS. PLUG UNUSED CONDUIT ENDS IN HANDHOLES OR MANHOLES.
3. WARNING TAPE IS REQUIRED IN ALL AREAS OF THE AIRPORT.
4. UNLESS OTHERWISE NOTED, INSTALL A BARE COPPER (BC) COUNTERPOISE CONDUCTOR (#6 FOR AIRFIELD POWER, #1/0 FOR FAA POWER AND COMM) WITH EACH DUCT ASSEMBLY AND EACH SINGLE CONDUIT. EXOTHERMICALLY WELD TO GROUND RODS PER IL AIRPORT CONSTRUCTION SPECIFICATIONS ITEM 108 AND 110.
5. INSTALL LIGHTING SERIES CIRCUITS AS FOLLOWS:
A. START INSTALLATION IN BOTTOM CONDUITS OF DUCT ARRAY, LEAVING THE UPPER CONDUITS EMPTY.
7. BACKFILL NOTES: REFER TO SPECIFICATION IL AIRPORT CONSTRUCTION SPECIFICATIONS ITEM 110-3.5.
8. REFER TO SPECIFICATION ITEM L-110 FOR CONDUIT/DUCT SPACER SYSTEM.

2 DIRECTIONAL BORE DETAIL
SCALE: NTS



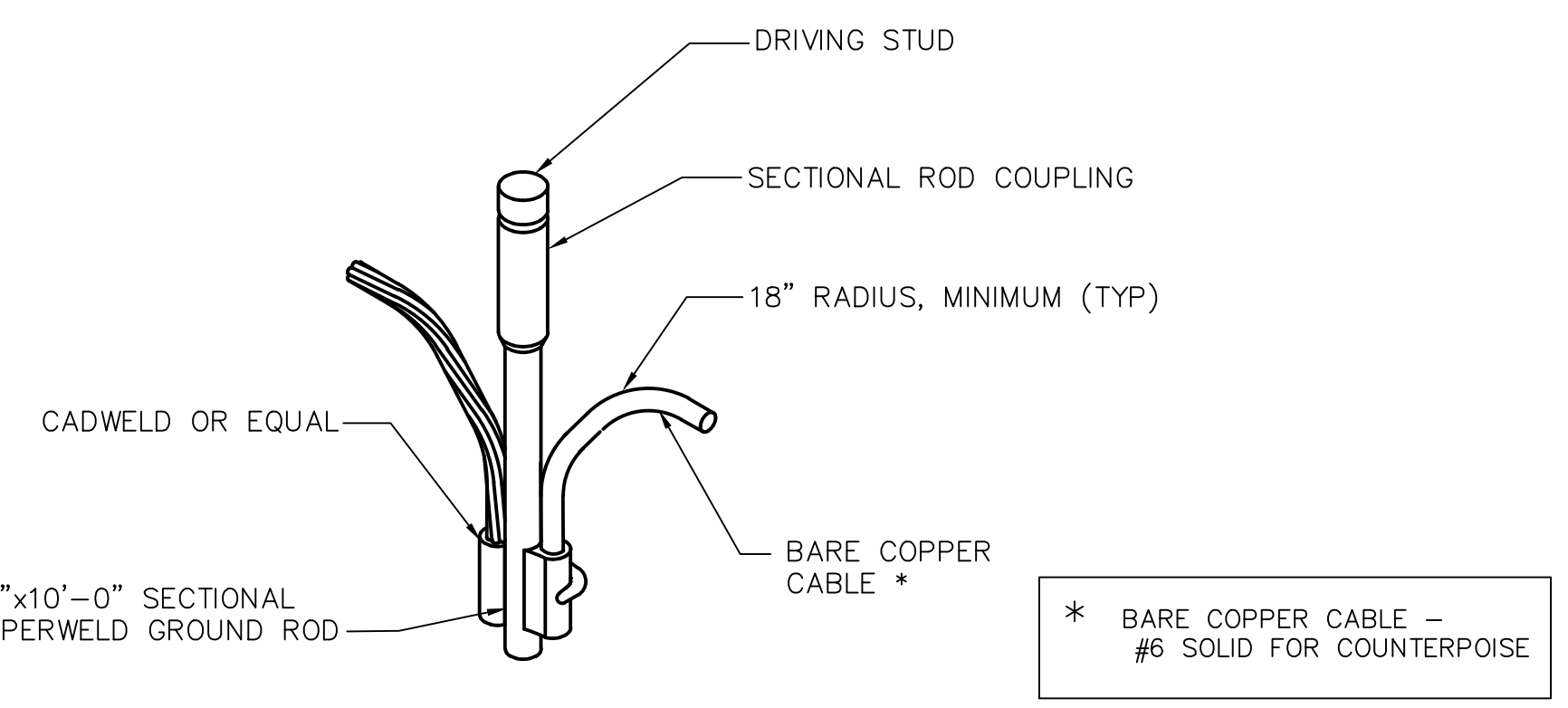
6 GROUNDING SYS. GROUND ROD DETAIL
SCALE: NTS



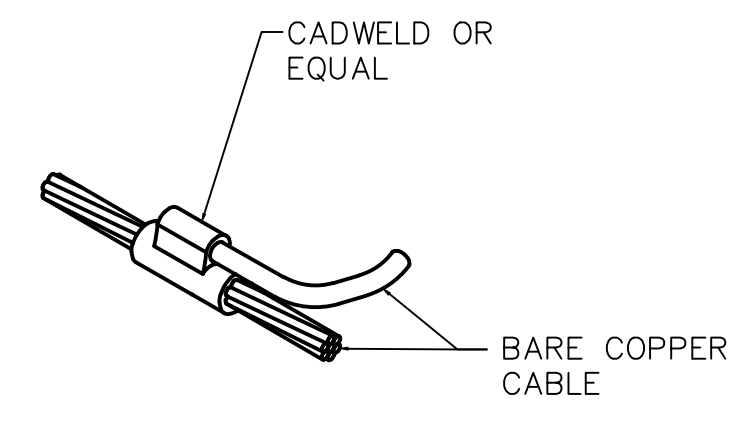
NOTES:

1. PROVIDE MALE & FEMALE L-823 CONNECTORS AS REQUIRED ON EACH CONDUCTOR IN EACH BASE, HANDHOLE OR MANHOLE TO ALLOW ISOLATION OF HOMERUN CIRCUIT.
2. ALL CABLE ENDS SHALL BE PREPARED, IF REQUIRED BY THE MANUFACTURER, WITH THE USE OF A TAPERING TOOL SPECIFICALLY DESIGNED FOR USE WITH L-824 CABLES. KNIVES SHALL NOT BE ALLOWED.
3. PLUG AND RECEPTACLE END FITTINGS SHALL BE CRIMPED ONTO THE CONDUCTOR BY USE OF AN AIRPORT PERSONNEL ACCEPTED HANDHELD RATCHETING TYPE CRIMPING TOOL. EACH CABLE TERMINATION SHALL BE SECURED BY TWO CRIMPS AS PER MANUFACTURER RECOMMENDATIONS.
4. ALL CABLE CONNECTORS SHALL BE MADE WITH L-823 CONNECTOR & WITH A 12" (APPROX.) LENGTH OF HEAT-SHRINKABLE RUBBER SHEATH OVER THE PLUG ASSEMBLY. CABLE CONNECTOR KITS SHALL BE SIZED FOR TYPE B CABLE.
5. AT THE POINT OF CONNECTION WITH THE EXISTING FIELD CIRCUITS, INSTALL NEW L-823 PLUGS ON BOTH THE NEW AND EXISTING CABLES. VERIFY INSULATION TYPES OF BOTH NEW & EXISTING CABLES & COORDINATE WITH TERMINATION KITS TO ASSURE PROPER AND WATERPROOF FIT.
6. THERE SHALL BE NO SPLICES BETWEEN LIGHTS, ONLY IN BASES OR HANDHOLES.

7 TYPICAL 5kV CABLE SPLICE
SCALE: NTS



4 COUNTERPOISE SYS. GROUND ROD DETAIL
SCALE: NTS



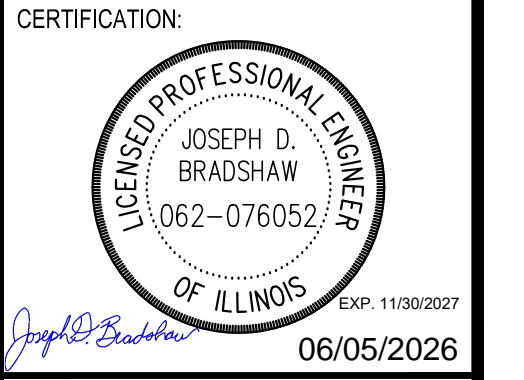
5 COUNTERPOISE SYSTEM GROUNDING DETAIL
SCALE: NTS



DATE: 06/05/2026	SCALE: N/A
DRAWN BY: DKP	CHECKED BY: JDB

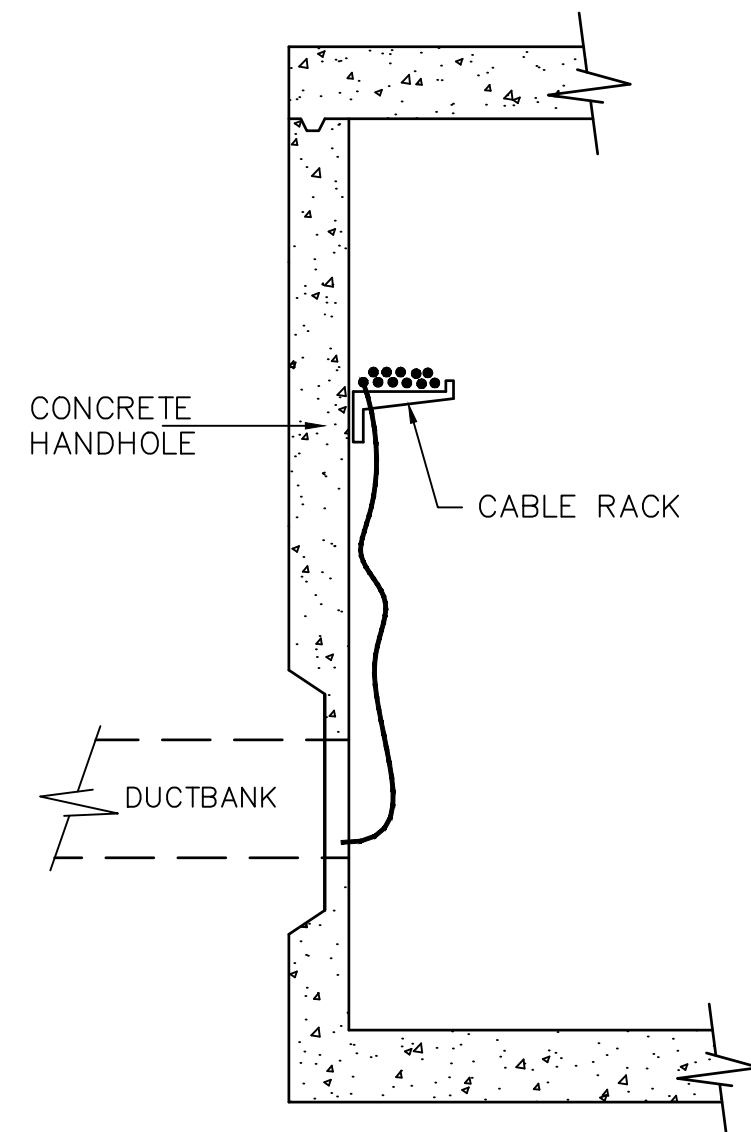
REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

ELECTRICAL DETAILS
 PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK
 TITLE: ELECTRICAL DETAILS



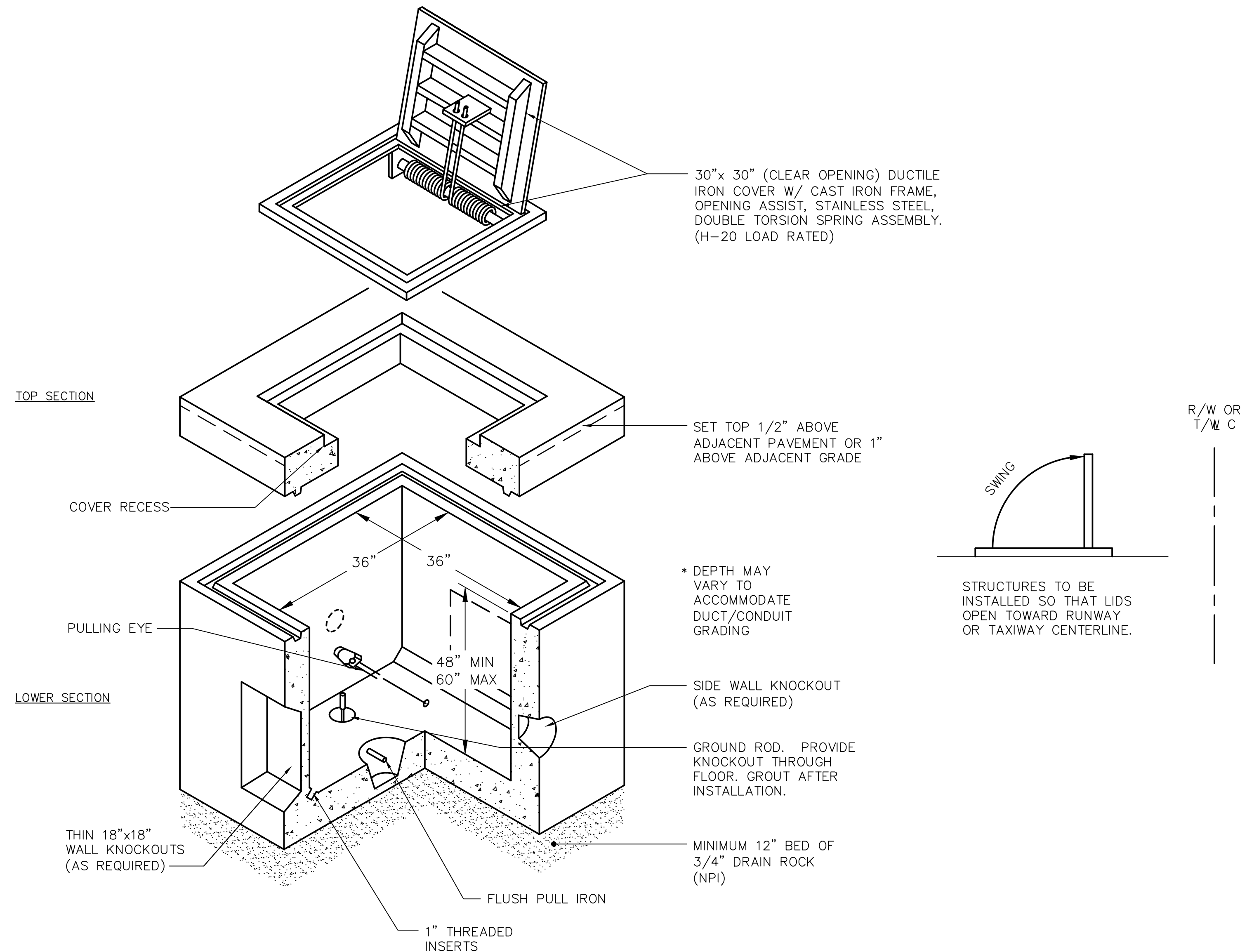
DRAWING NO. E201
PROJECT NUMBER: 168001006

DATE: 06/05/2026	SCALE: N/A	
DRAWN BY: DKP	CHECKED BY: JDB	
REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

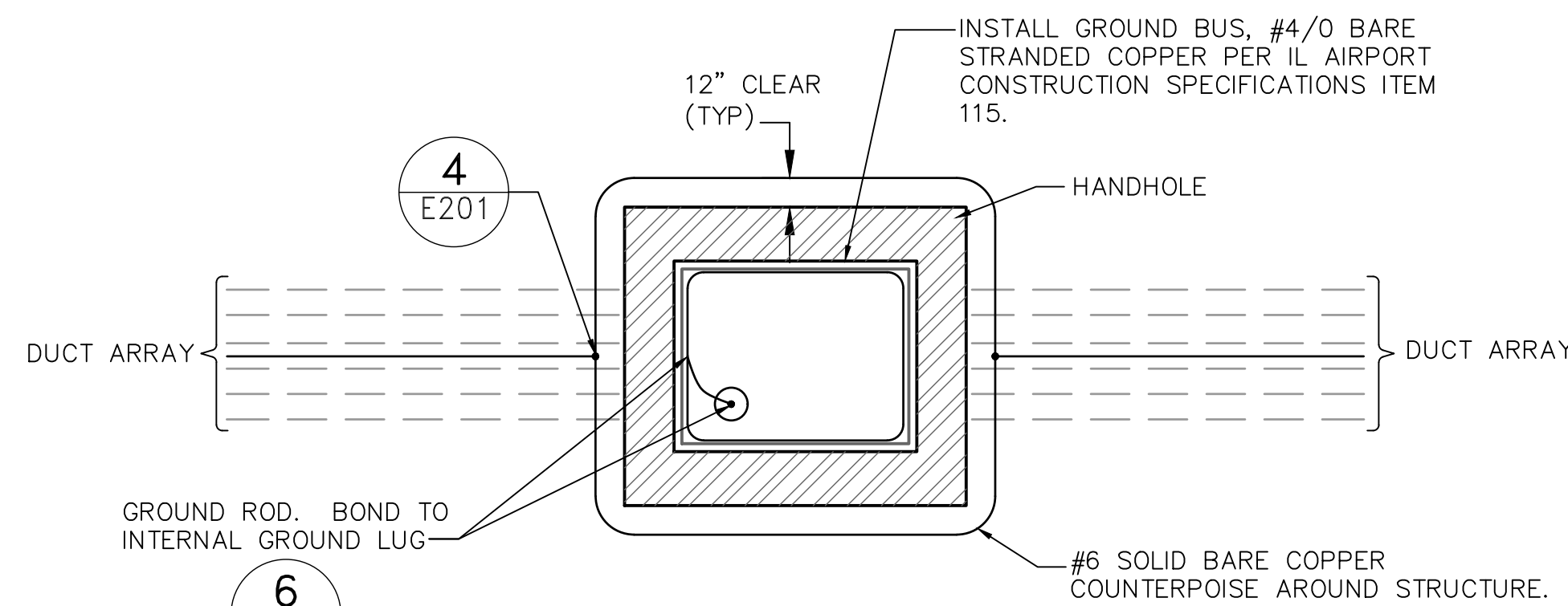


1. PROVIDE GALVANIZED STEEL RACK ARMS, BOLTED TO CHANNELS INSET IN HANDHOLE WALLS. PROVIDE MINIMUM (2) ARMS FOR EVERY WALL.
2. CABLE RACKING SHALL BE LIMITED TO THE UPPER HALF OF THE HANDHOLE.
3. PROVIDE CIRCUIT TAGS FOR EVERY L-823 CABLE SPLICE.
4. PROVIDE A MINIMUM OF EIGHT FEET OF CABLE BETWEEN ENTRY POINT AND L-823 SPLICE.
5. RACK CABLES ON SIDE(S) OF ENTRY/EXIT CONDUITS.
6. #2 AWG BARE COPPER PIGTAIL SHALL BOND THE GROUNDING BUS TO METALLIC CABLE RACK PER IL AIRPORT CONSTRUCTION SPECIFICATIONS ITEM 115.
7. DUCT/CONDUIT ARRAY SHALL ENTER HANDHOLE IN LOWER HALF OF THE HANDHOLE.
8. PROVIDE BELL END FOR EVERY CONDUIT IN THE ARRAY.
9. GROUT AROUND/BETWEEN CONDUITS & CONCRETE WALL.

2 CABLE RACKING DETAIL
SCALE: NTS



1 H-20 LOAD RATED CONCRETE HANDHOLE
SCALE: NTS



NOTE:
ALL COUNTERPOISE WIRES FOR DUCT BANKS AND CONDUITS TO BE CLAMPED TO COUNTERPOISE LOOP AROUND STRUCTURE

3 HANDHOLE COUNTERPOISE DETAIL
SCALE: NTS

HANDHOLE NOTES:

1. ALL STEEL, OTHER THAN REBAR, TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
2. PROVIDE ALL HANDHOLES WITH CABLE RACKS AND PULLING EYES PER SPECIFICATIONS.
3. INSTALL HANDHOLES PARALLEL TO ADJACENT RUNWAY OR TAXIWAY CENTERLINE.
4. PROVIDE GROUND ROD FOR EACH HANDHOLE PER SPECIFICATIONS.
5. GROUT ALL CONDUIT PENETRATIONS.
6. PROVIDE MANUFACTURER'S DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL CONCRETE ELEMENTS OF HANDHOLES AND FABRICATED TRAFFIC LIDS.
7. NOTE: DO NOT CONNECT COUNTERPOISE TO GROUNDING SYSTEM. ROUTE COUNTERPOISE AROUND HANDHOLES. SEE DETAIL 3 THIS SHEET.

TITLE: ELECTRICAL DETAILS

PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:



06/05/2026

DRAWING NO.

E202

PROJECT NUMBER:
168001006



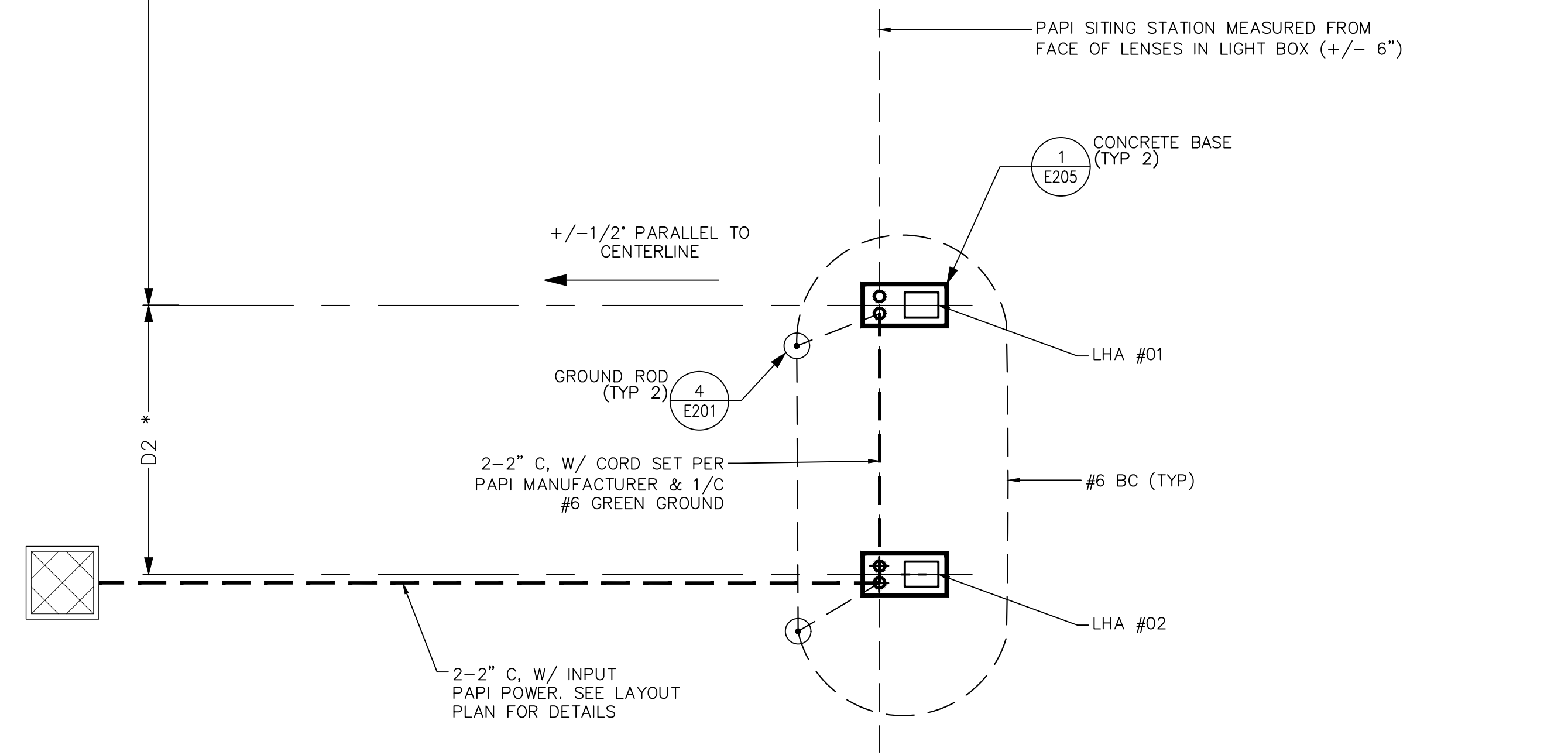
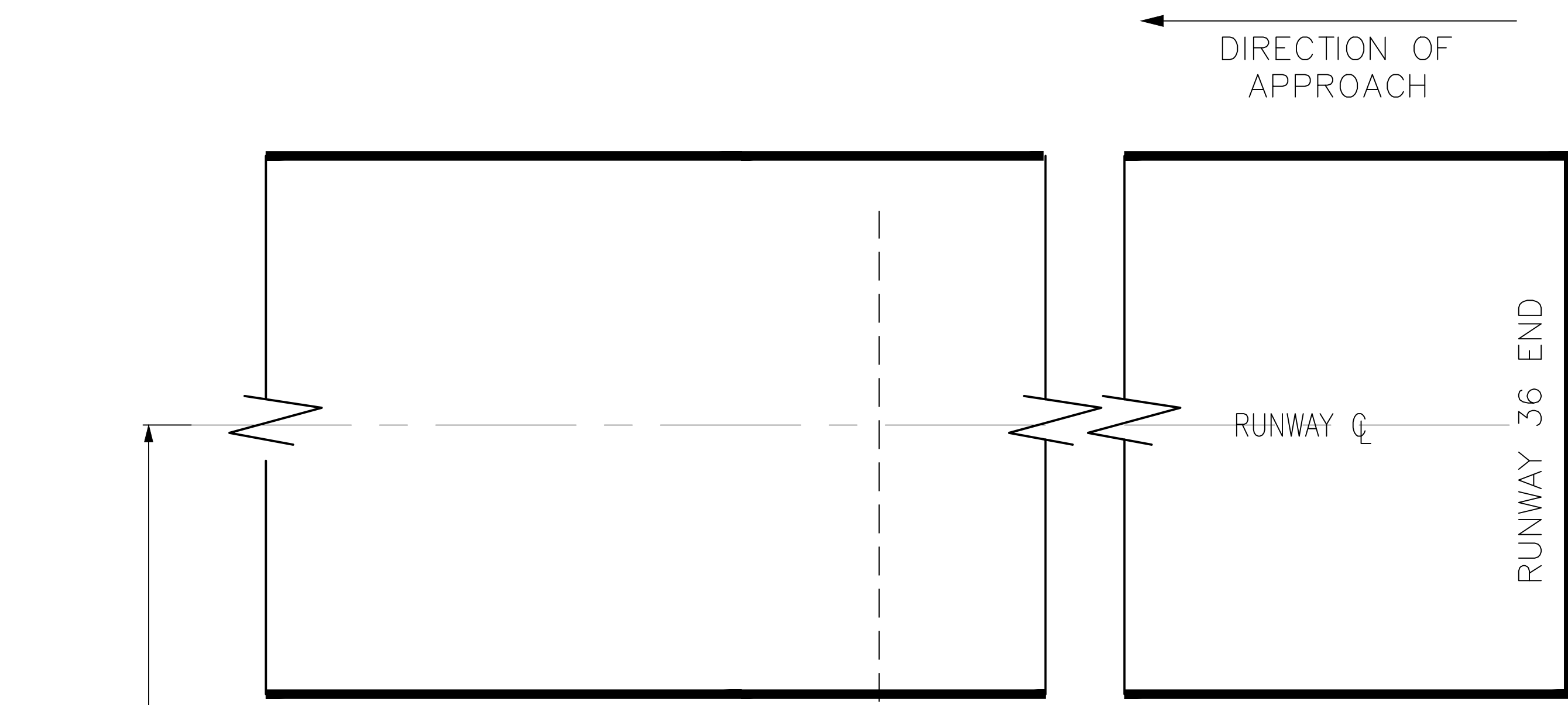
K:\CIS-A\168001006-105-Inst\11-PAPI\Cadd\Drawings\168001006-E2.dwg, Bolingbrook, Luke 6/5/2026 11:50 AM, THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION AND IS CONTROLLED BY 49 CFR PART 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DIRECTED IN 49 CFR PART 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR, THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR US GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PART 1520.

K:\GIS Aviation\168001006-105-Instal PAPI\Coord\168001006-E7.dwg Bolingbrook, IL 6/5/2026 11:50 AM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNLAWFUL TO DISCLOSE, REPRODUCE, OR TRANSMIT INFORMATION CONTAINED HEREIN TO ANY PERSON WITHOUT THE WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

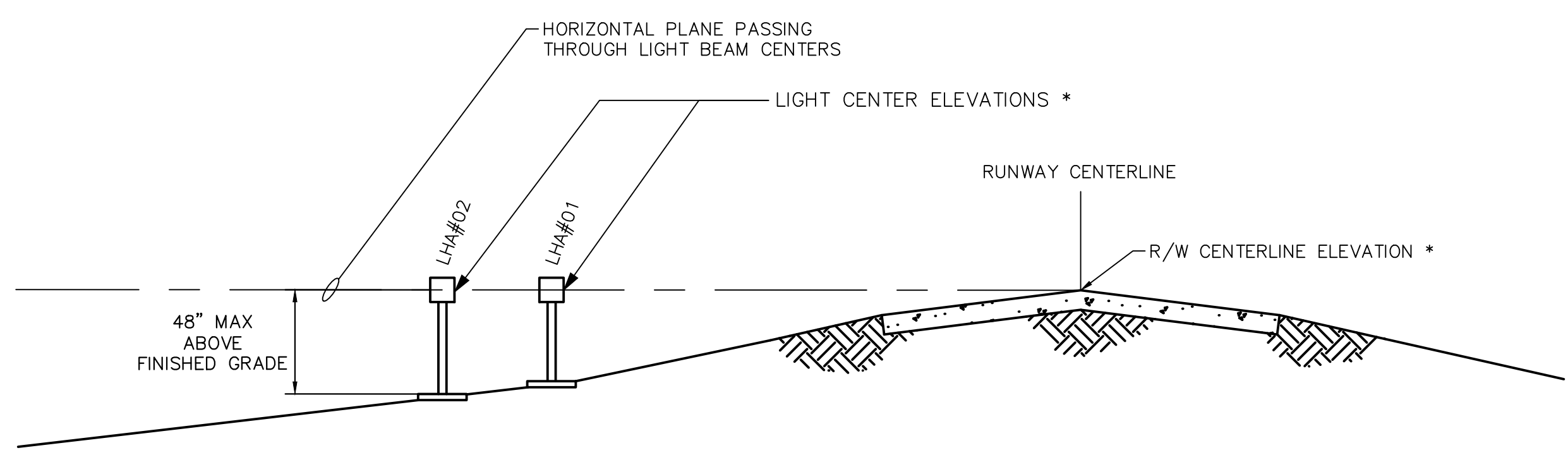


PAPI SITING CRITERIA SCHEDULE										
R/W	DISTANCE FROM THRESHOLD	D1 DIST. FROM R/W CL TO CL OF LHA #1 (FT)	D2 LIGHT HOUSING ASSEMBLY (LHA) SPA. O.C. (FT.)	R/W CL ELEV. @ PAPI SITING STA (FT)**	LIGHT CENTER ELEVATION (FT)	AIMING ANGLE BASED ON 3' 00' GLIDE PATH*		EFFECTIVE VISUAL THRESHOLD CROSSING HEIGHT (TCH)	THRESHOLD R/W CENTERLINE ELEVATION (FT)**	R/W
						LHA#01	LHA#02			
36	702.4'	67'-6"	20'-0"	660.2'	661.2' (NOT TO EXCEED 1' ABOVE RUNWAY CL)	3' 15'	2' 45'	40.0'	357.0'	36

SCHEDULE NOTE:
 * COORD W/ AIRPORT FOR AIMING ANGLES PRIOR INSTALLING PLACARD AFTER FLIGHT TESTING.
 ** CONTRACTOR TO VERIFY ELEVATIONS IN THE FIELD PRIOR TO PAPI INSTALLATION.



1 PAPI SITE PLAN
NOT TO SCALE



NOTES:
 1. SEE PAPI CRITERIA SCHEDULE FOR THESE * DATA.

2 TYPICAL PAPI SECTION
NOT TO SCALE

DATE: 06/05/2026	SCALE: N/A	
DRAWN BY: DKP	CHECKED BY: JDB	
REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

TITLE: RUNWAY 36 PAPI SITING
PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:

 JOSEPH D. BRADSHAW
 LICENSED PROFESSIONAL ENGINEER
 OF ILLINOIS
 06/05/2026

DRAWING NO.: E203
PROJECT NUMBER: 168001006

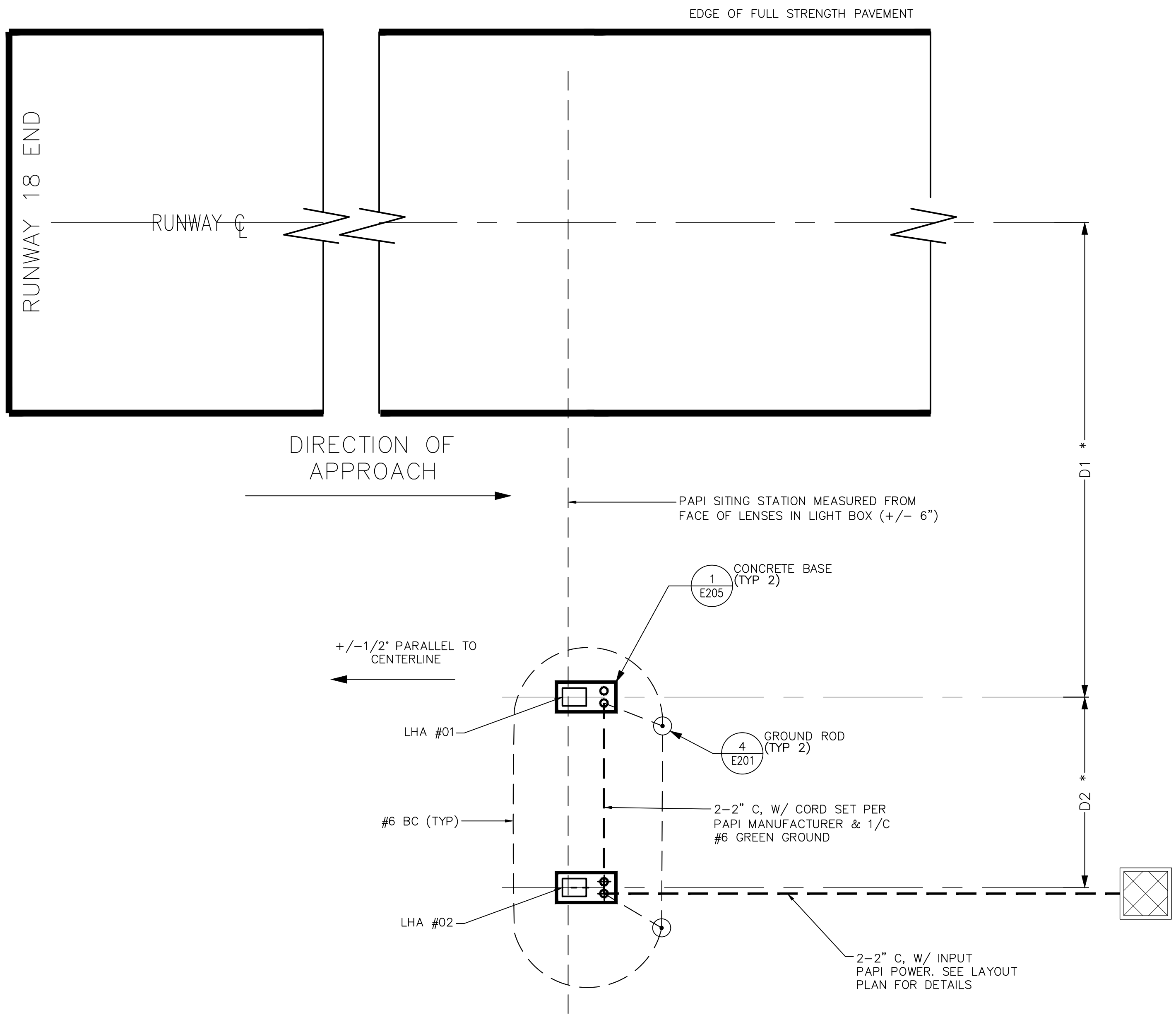


K:\GIS-Aviation\168001006-105-Instal-PAPI\Coord\Drawings\168001006-E2.dwg, Barjingo, Luke 6/5/2026 11:50 AM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNLAWFUL TO DISCLOSE THIS INFORMATION TO ANY PERSON WITHOUT THE WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

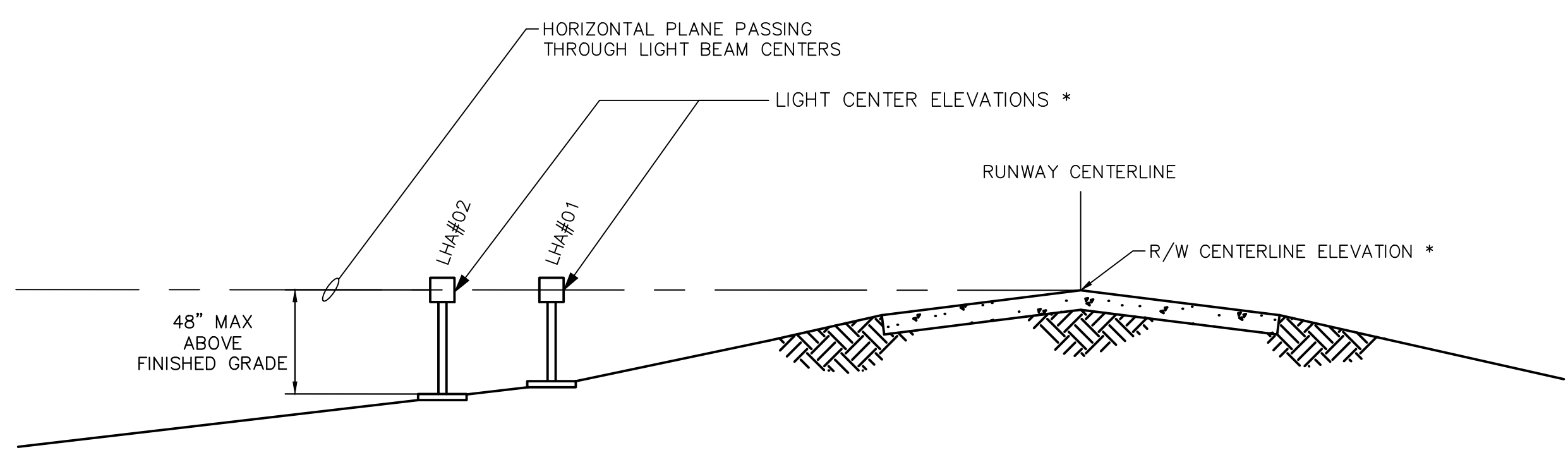


PAPI SITING CRITERIA SCHEDULE												
R/W	DISTANCE FROM THRESHOLD	D1		D2		R/W CL ELEV. @ PAPI SITING STA (FT)**	LIGHT CENTER ELEVATION (FT)	AIMING ANGLE BASED ON 3' 00' GLIDE PATH*		EFFECTIVE VISUAL THRESHOLD CROSSING HEIGHT (TCH)	THRESHOLD R/W CENTERLINE ELEVATION (FT)**	R/W
		DIST. FROM C. TO C. OF LHA #1 (FT)		LIGHT HOUSING ASSEMBLY (LHA) SPA. O.C. (FT.)				LHA#01	LHA#02			
18	894.90'	67'-6"		20'-0"		667.9'	668.9 (NOT TO EXCEED 1' ABOVE RUNWAY CL)	3' 15'	2' 45'	40.0'	674.90'	18

SCHEDULE NOTE:
 * COORD W/ AIRPORT FOR AIMING ANGLES PRIOR INSTALLING PLACARD AFTER FLIGHT TESTING.
 ** CONTRACTOR TO VERIFY ELEVATIONS IN THE FIELD PRIOR TO PAPI INSTALLATION.



1 PAPI SITE PLAN
NOT TO SCALE



NOTES:
 1. SEE PAPI CRITERIA SCHEDULE FOR THESE * DATA.

2 TYPICAL PAPI SECTION
NOT TO SCALE

DATE: 06/05/2026	SCALE: N/A	
DRAWN BY: DKP	CHECKED BY: JDB	
REV. 0	DATE 06/05/2026	DESCRIPTION ISSUED FOR BID

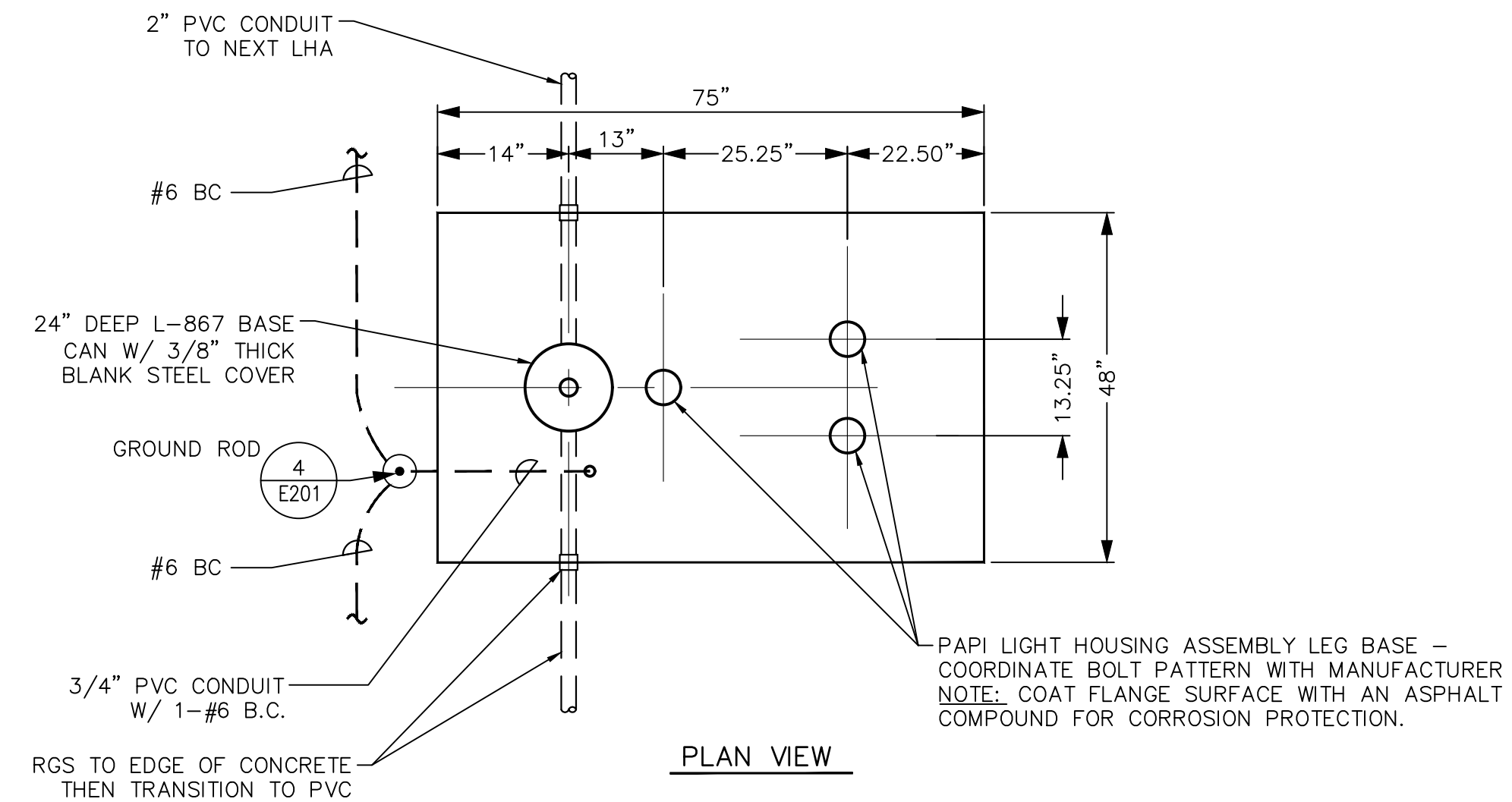
TITLE: RUNWAY 18 PAPI SITING
PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS



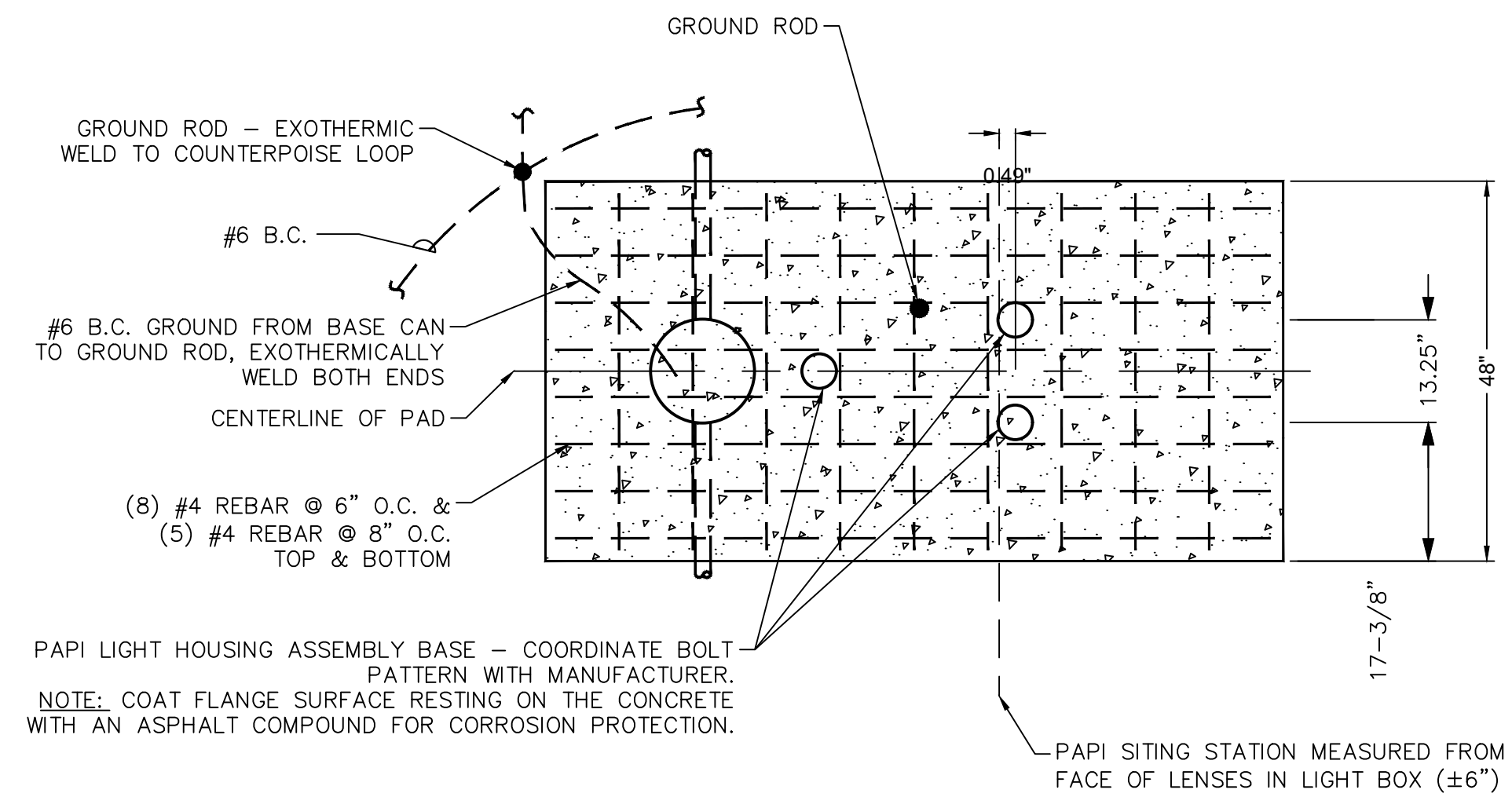
DRAWING NO.: E204
PROJECT NUMBER: 168001006



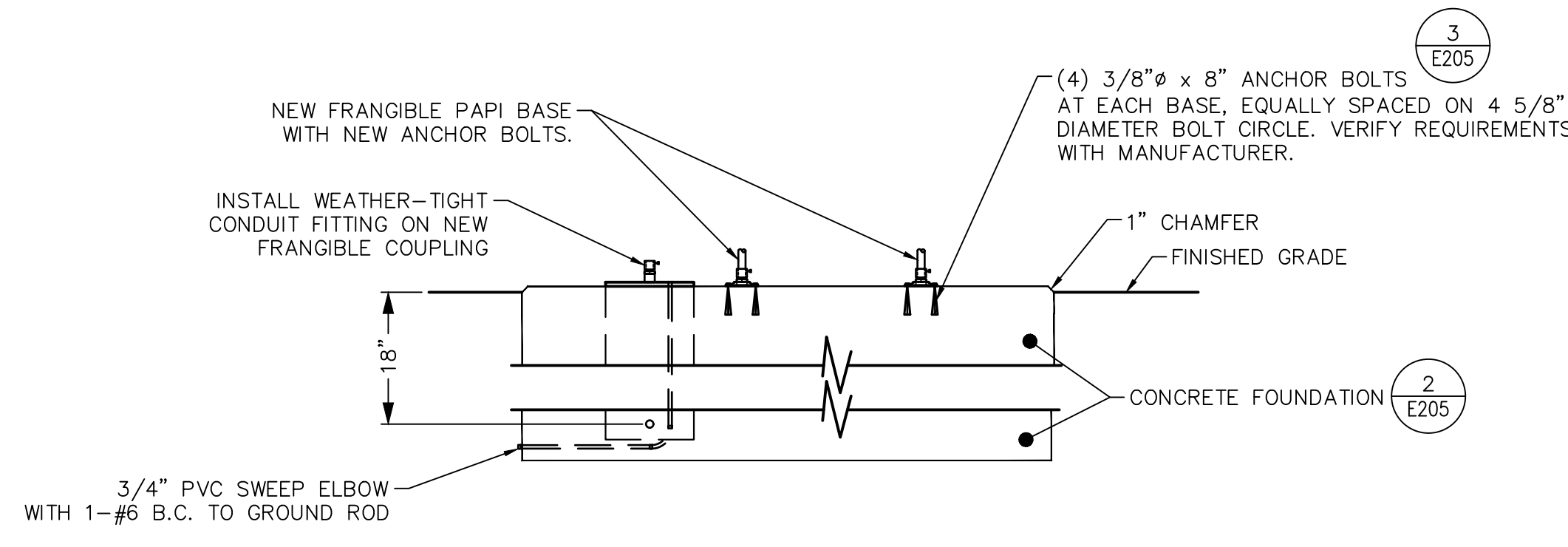
K:\CIS-Aviation\168001006-105-Installs\PAPI\Cadd\Drawings\168001006-EZ.dwg Barjingo, Luke 6/5/2026 11:50 AM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. UNAUTHORIZED DISCLOSURE, REUSE, OR DISTRIBUTION OF THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.



PLAN VIEW



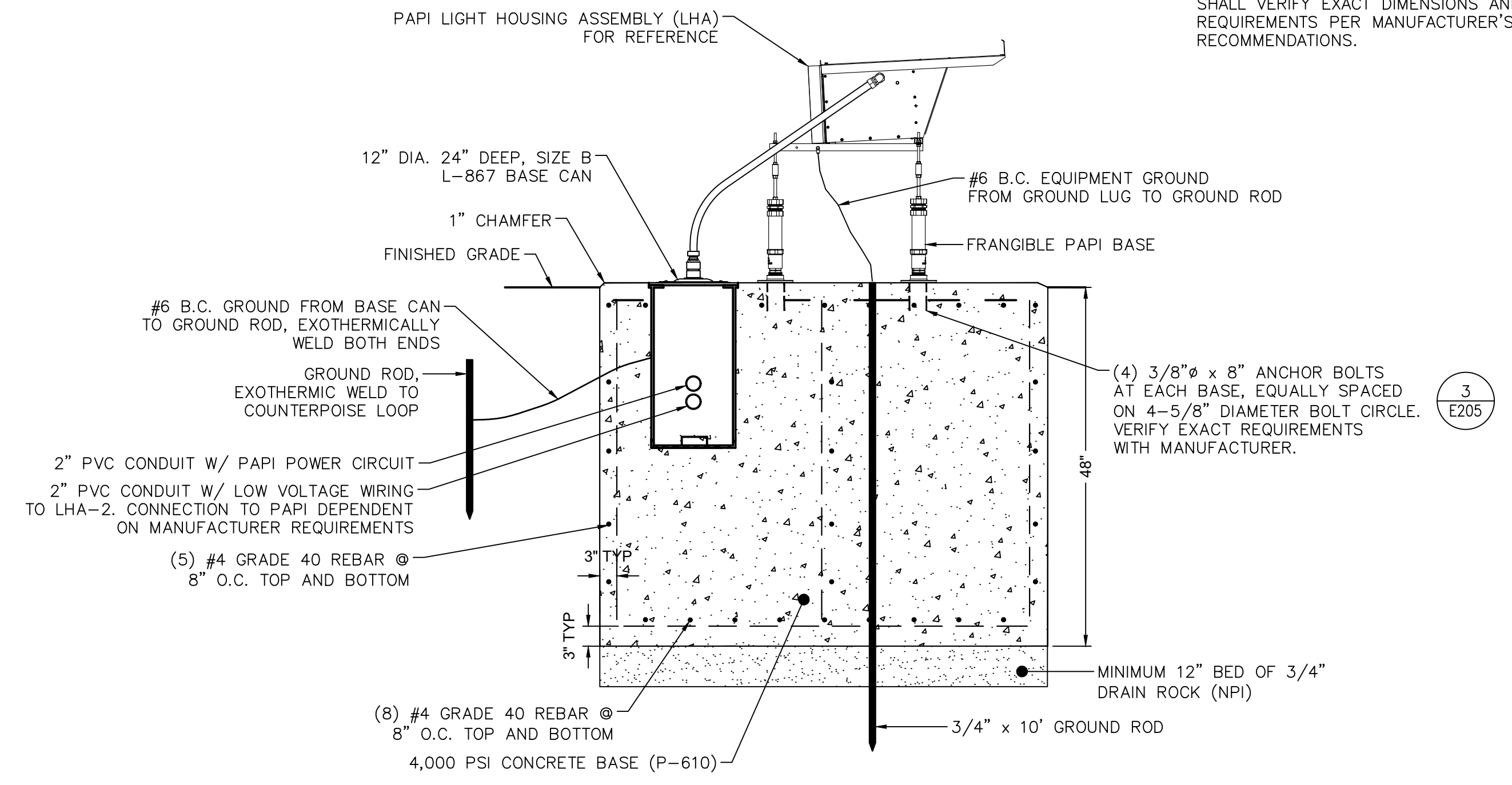
PLAN VIEW



ELEVATION

NOTE: FINISH TOP OF CONCRETE BASE WITH 1/4"/FT. SLOPE, BOTH DIRECTIONS FROM LONGITUDINAL AXES.

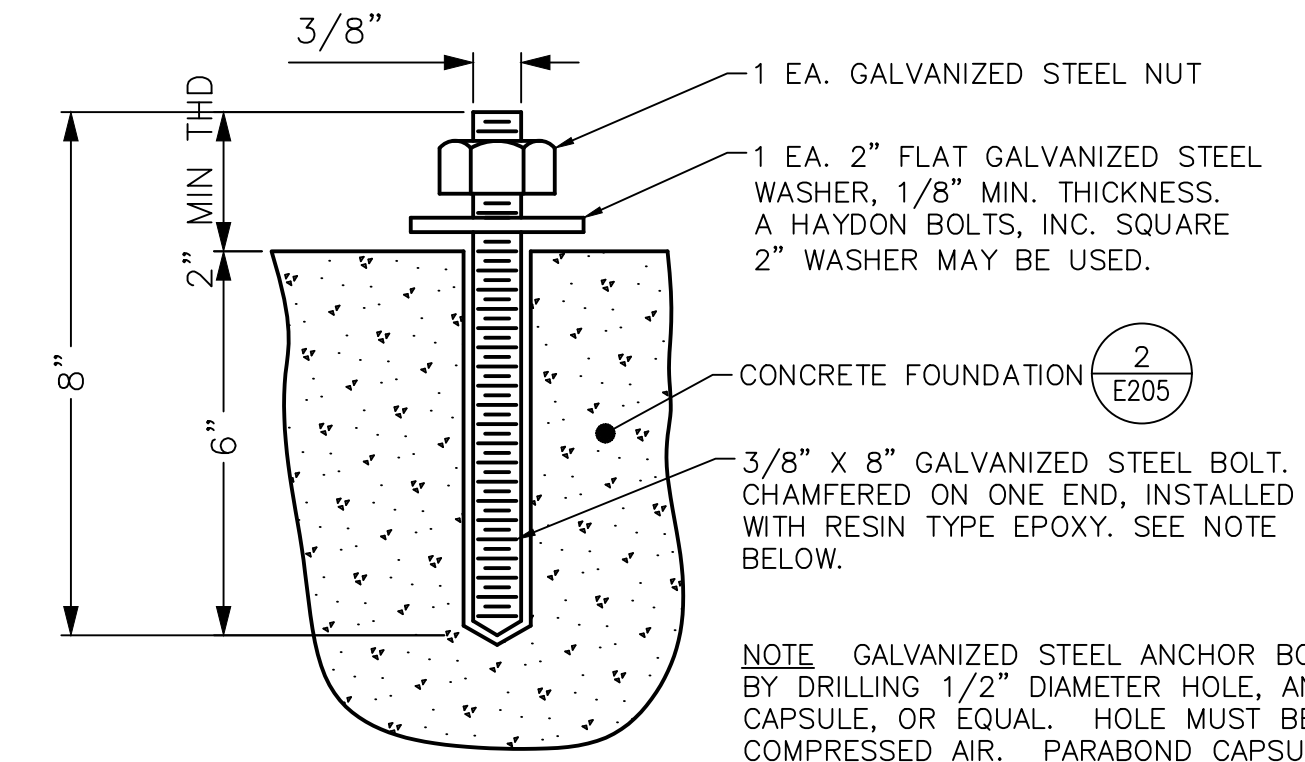
1 PAPI LHA INSTALLATION
SCALE: NTS



ELEVATION

NOTE: FINISH TOP OF CONCRETE BASE WITH 1/4"/FT. SLOPE, BOTH DIRECTIONS FROM LONGITUDINAL AXIS.

2 PAPI LHA CONCRETE FOUNDATION DETAILS
SCALE: NTS



NOTE GALVANIZED STEEL ANCHOR BOLTS SHALL BE INSTALLED BY DRILLING 1/2" DIAMETER HOLE, AND USING 1 PARABOND CAPSULE, OR EQUAL. HOLE MUST BE CLEANED OUT USING COMPRESSED AIR. PARABOND CAPSULES TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS USING A ROTARY HAMMER DRILL & DRIVE UNIT TO DRIVE STUD TO BOTTOM OF HOLE AND MIX CHEMICALS. IMMEDIATELY REMOVE DRIVE UNIT AND, IF NEEDED, PLUMB BOLT. RESIN WILL SET IN ABOUT 20 MINUTES.

3 CHEMICAL ANCHOR BOLT DETAIL
SCALE: NTS

DATE: 06/05/2026	SCALE: N/A	
DRAWN BY: DKP	CHECKED BY: JDB	
REV.	DATE	DESCRIPTION
0	06/05/2026	ISSUED FOR BID

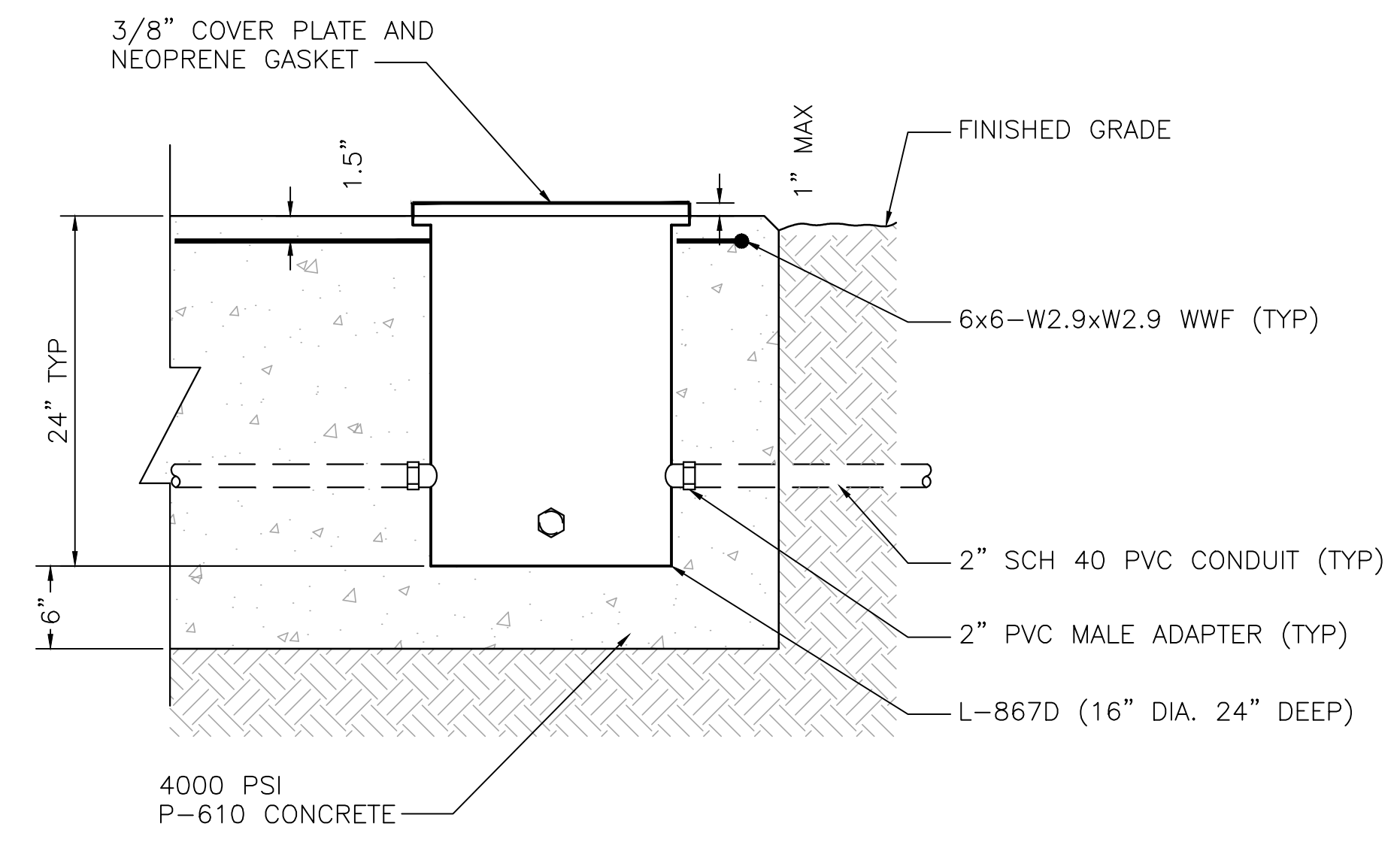
TITLE: PAPI FOUNDATION AND INSTALLATION DETAILS
 PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK
 BOLINGBROOK, WILL COUNTY, ILLINOIS

CERTIFICATION:
 LICENSED PROFESSIONAL ENGINEER
 JOSEPH D. BRADSHAW
 062-076052
 OF ILLINOIS
 EXP. 11/30/2027
 06/05/2026

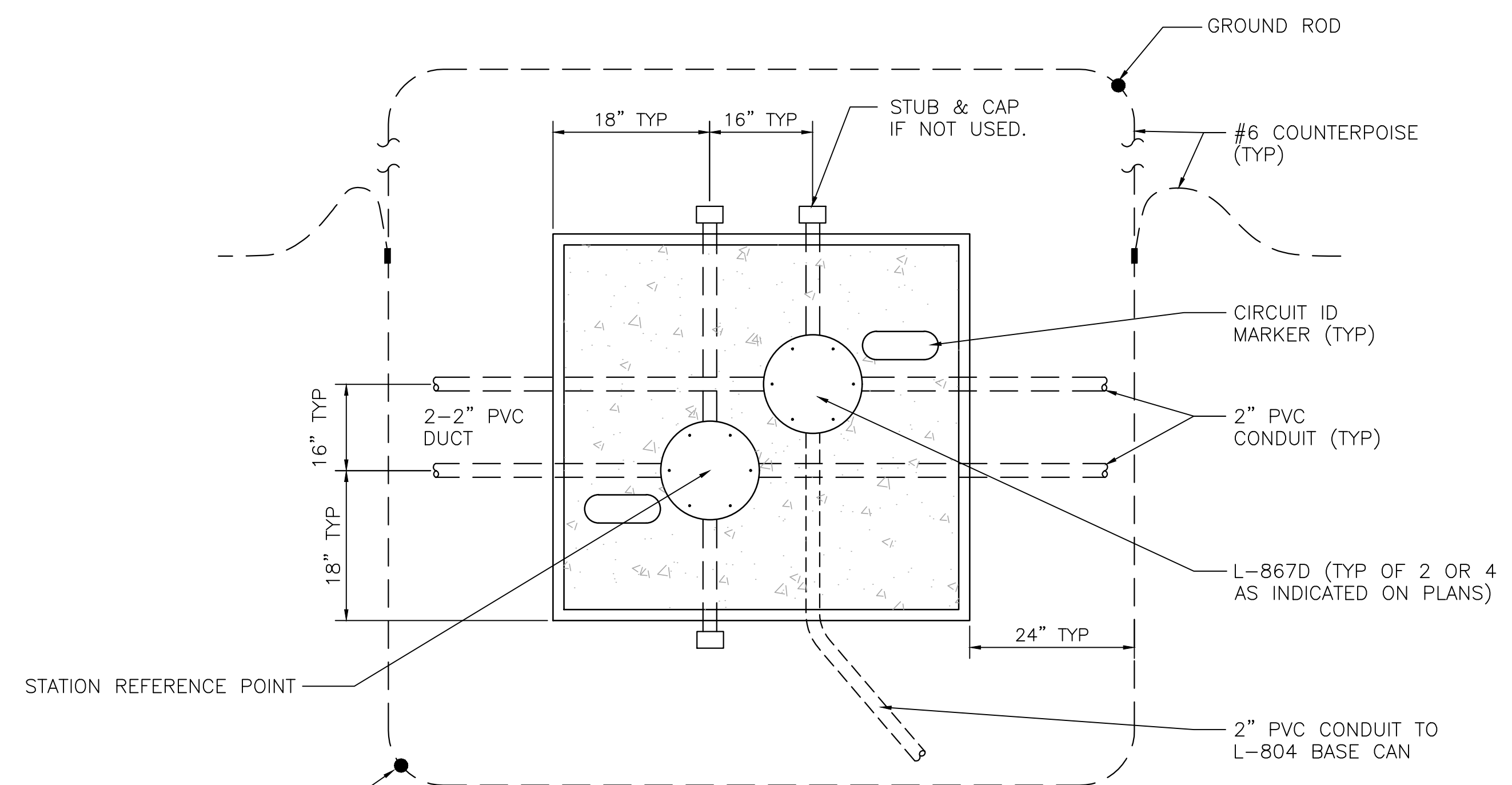
DRAWING NO. E205
 PROJECT NUMBER: 168001006



K:\GIS-Aviation\168001006-105-Inst-El-PAPI-Coord\Drawings\168001006-EZ.dwg Bolingbrook, Luke 6/8/2026 11:26 AM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE AND IS NOT TO BE RELEASED OR DISCLOSED TO THE PUBLIC WITHOUT THE WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.



SECTION



PLAN

EACH JUNCTION CAN SHALL HAVE 4 HUBS. HUBS SHALL BE PLACED IN 2 LAYERS AND THE HUBS IN ONE LAYER SHALL BE 90° APART FOR THE HUBS IN THE OTHER LAYER. EACH PAIR OF HUBS SHALL BE 180° APART.

1 JUNCTION CAN PLAZA DETAIL
E206 N.T.S.

DATE:	06/05/2026	SCALE:	N/A
DRAWN BY:	DKP	CHECKED BY:	JDB
REV.	DATE	DESCRIPTION	
0	06/05/2026	ISSUED FOR BID	

ELECTRICAL DETAILS
INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS



DRAWING NO. **E206**
 PROJECT NUMBER: 168001006



K:\GIS_Aviation\168001006_105_Instal_PAPI_Coord\Drawings\168001006-ELEV.dwg, B:\Engineering, Luke, 6/5/2026, 8:55 AM
 THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION. IT IS UNLAWFUL TO DISCLOSE, REPRODUCE, OR TRANSMIT THIS INFORMATION TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF THE SPECIAL INSPECTOR FOR SECURITY. UNAUTHORIZED RELEASE OF AND MISUSE OF THIS INFORMATION IS PROHIBITED. THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.

LEGEND

RUNWAY CENTERLINE FINISHED GRADE PROFILE	---
VISUAL GLIDESLOPE	—
EFFECTIVE VISUAL THRESHOLD CROSSING HEIGHT	TCH
RUNWAY REFERENCE POINT	RRP

Kimley»Horn

4201 WINFIELD ROAD
SUITE 600
WARRENVILLE, IL 60555
TEL (630) 487-5550

DATE:	06/05/2026	SCALE:	N/A
DRAWN BY:	DKP	CHECKED BY:	JDB
REV.	DATE	DESCRIPTION	
0	06/05/2026	ISSUED FOR BID	

PAPI SITING ELEVATIONS

PROJECT: INSTALL PRECISION APPROACH PATH INDICATOR (PAPI) FOR RUNWAY 18/36 VILLAGE OF BOLINGBROOK, WILL COUNTY, ILLINOIS

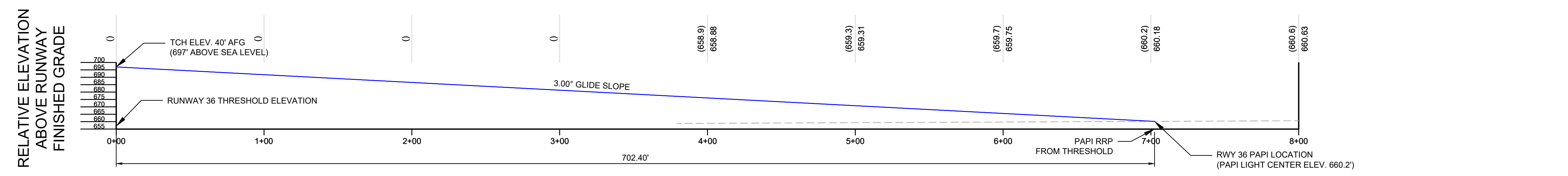
CERTIFICATION:

JOSEPH D. BRADSHAW
062-076052
OF ILLINOIS
EXP. 11/30/2027

DRAWING NO. **E501**

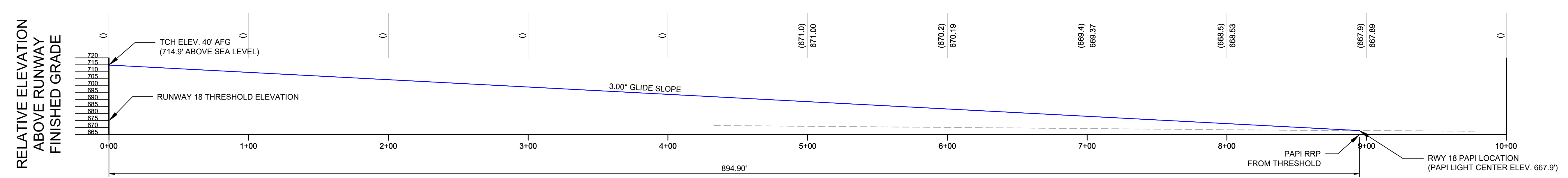
PROJECT NUMBER: 168001006

RUNWAY CENTERLINE SURFACE POINT ELEVATION



1
E501
RUNWAY 36 PAPI SITING ELEVATION

RUNWAY CENTERLINE SURFACE POINT ELEVATION



2
E501
RUNWAY 18 PAPI SITING ELEVATION

