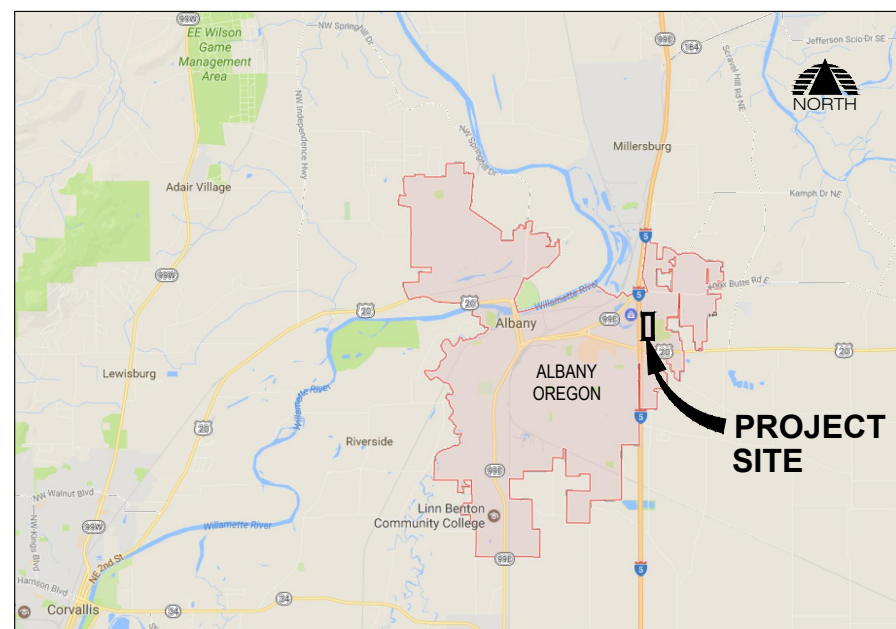


# CITY OF ALBANY ALBANY MUNICIPAL AIRPORT

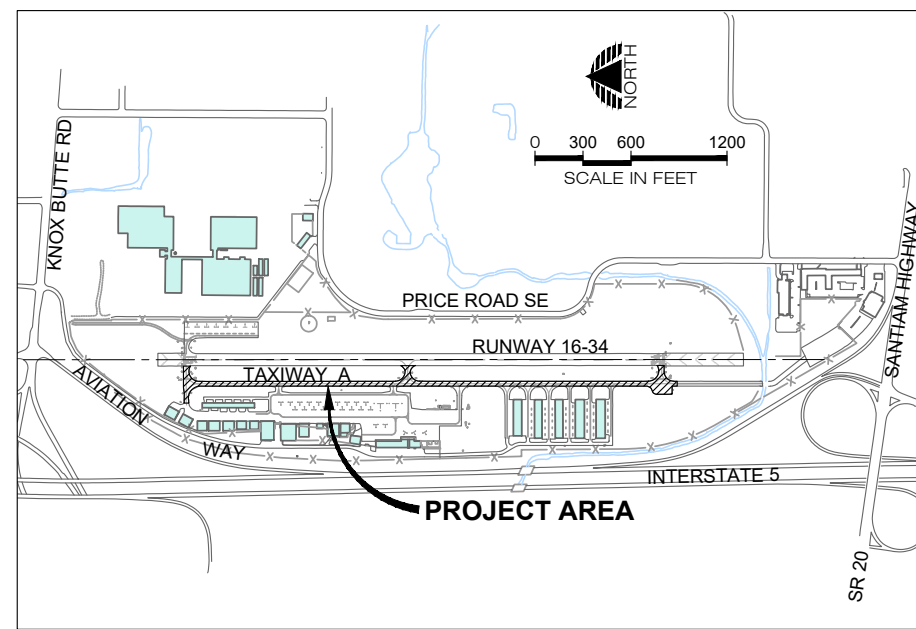
## INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

AIP NO. 3-41-0001-022-2024

### VICINITY MAP





### PROJECT MAP



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- 2 LEGEND AND BID SCHEDULE
- 3 SITE PLAN
- 4 CONSTRUCTION SAFETY AND PHASING PLAN - CRITICAL AREAS
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- 7 ADDITIVE - CONSTRUCTION SAFETY AND PHASING PLAN - PHASE 3
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- 23 ELECTRICAL PANEL DETAILS
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 <b>PRECISION APPROACH</b> <b>ENGINEERING</b> 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043		REVISIONS:	DATE	APPD.	DATE: JUN 2024	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  <b>COVER SHEET</b>  PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b>
					SCALE: AS SHOWN		SHEET NO. <b>1</b> OF <b>28</b>

# LEGEND

## CIVIL SYMBOLS LEGEND

EXISTING	NEW	
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		CONTOUR
		DITCH FLOW LINE
		FENCE
		STORM DRAIN
		UNDER DRAIN
		CULVERT
		SANITARY SEWER
		WATER
		GAS
		TELEPHONE
		IRRIGATION
		SLOPE SYMBOL
		CATCH BASIN
		STORM DRAIN MANHOLE
		CLEANOUT
		CULVERT END STRUCTURE
		SURFACE FLOW DIRECTION
		SANITARY MANHOLE
		FIRE HYDRANT
		WATER METER
		WATER VAULT
		WATER VALVE
		IRRIGATION VALVE
		TIE DOWN
		SIGN
		SURVEY CONTROL POINT
		SURVEY FOUND MONUMENT
		BRASS CAP
		BENCHMARK
		AIRPORT BEACON
		SHRUBS
		TREES
		ABANDONED FEATURE LINE
		DEMO FEATURE LINES

## ELECTRICAL LEGEND

EXISTING	NEW	
		HANDHOLE
		POWER VAULT
		DUCT MARKER
		JUNCTION CAN
		ELECTRICAL RISER
		RUNWAY EDGE LIGHT AND THRESHOLD LIGHT C = CLEAR R = RED G = GREEN Y = YELLOW O = OPAQUE
		RUNWAY LIGHT IN PAVEMENT (FLUSH MOUNT)
		REIL (RUNWAY END IDENTIFIER LIGHT)
		PAPI (PRECISION APPROACH PATH INDICATOR)
		TAXIWAY LIGHT (BLUE LENS)
		TAXIWAY LIGHT IN PAVEMENT (FLUSH MOUNT)
		RETROREFLECTIVE MARKER
		POWER CIRCUIT / OVERHEAD
		POWER UNDERGROUND
		POWER POLE
		GUY WIRE
		STREET LIGHT
		GUIDANCE SIGN

# BASE BID SCHEDULE - PAPI

BID ITEM NUMBER	BID SPEC NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	CONSTRUCTION QUANTITY
1	E-020	CONSTRUCTION SURVEY AND STAKING	LS	1	
2	C-102	TEMPORARY EROSION CONTROL	LS	1	
3	C-105	MOBILIZATION	LS	1	
4	E-110	DEMOLITION	LS	1	
5	T-901	SEEDING	1000SF	7	
6	L-108	NO. 8 AWG, 5 KV, L-824 CABLE	LF	9,870	
7	L-109	L-821/L-841 LIGHTING CONTROL CABINET	LS	1	
8	L-109	MISCELLANEOUS ELECTRICAL IMPROVEMENTS	LS	1	
9	L-110	2-INCH PVC CONDUIT	LF	50	
10	L-110	ELECTRICAL TRENCH	LF	50	
11	L-115	JUNCTION CAN	EA	1	
12	L-125	L-881(L) RW 34 PAPI SYSTEM	LS	1	
13	L-125	L-881(L) RW 16 PAPI SYSTEM	LS	1	

# ADDITIVE BID A SCHEDULE - TAXIWAY A LIGHTING

BID ITEM NUMBER	BID SPEC NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	CONSTRUCTION QUANTITY
A1	E-020	CONSTRUCTION SURVEY AND STAKING	LS	1	
A2	C-102	TEMPORARY EROSION CONTROL	LS	1	
A3	C-105	MOBILIZATION	LS	1	
A4	E-110	DEMOLITION	LS	1	
A5	T-901	SEEDING	1000SF	26	
A6	L-108	NO. 8 AWG, 5 KV, L-824 CABLE	LF	9,280	
A7	L-109	L-828 6.6A, 10KW, 240VAC REGULATOR	EA	1	
A8	L-109	MISCELLANEOUS ELECTRICAL IMPROVEMENTS	LS	1	
A9	L-110	2-INCH PVC CONDUIT	LF	6,910	
A10	L-110	4-INCH PVC CONDUIT	LF	170	
A11	L-110	ELECTRICAL TRENCH	LF	6,420	
A12	L-110	CROSS DIRECTIONAL BORING	LF	660	
A13	L-115	JUNCTION CAN	EA	6	
A14	L-125	TAXIWAY EDGE LIGHT ON EXISTING BASE CAN	EA	10	
A15	L-125	TAXIWAY EDGE LIGHT ON NEW BASE CAN	EA	99	

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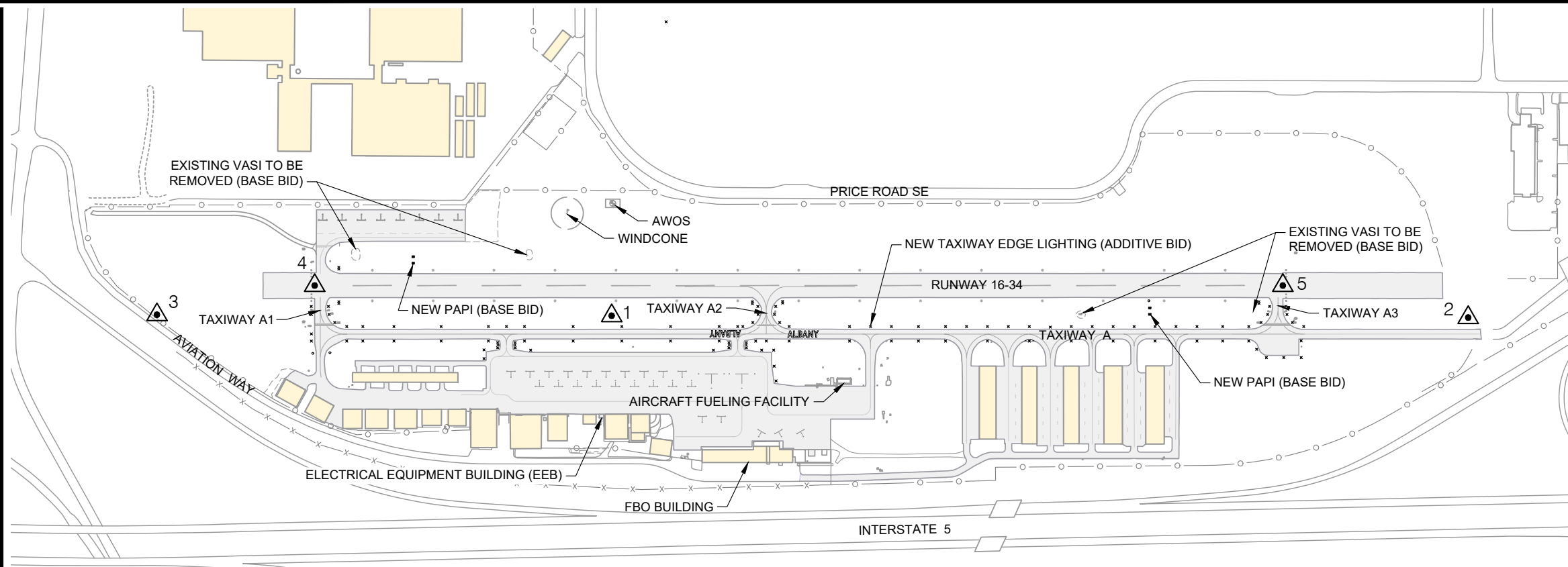
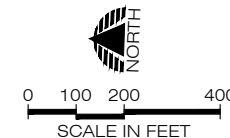
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CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

## LEGEND AND BID SCHEDULE

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:	ALB007
SHEET NO.	2
OF	28



**SURVEY REFERENCE CONTROL POINTS TABLE**

POINT NO	NORTHING	EASTING	ELEV	DESCRIPTION
▲ 1	365191.39	7535931.33	223.07	PACS
▲ 2	362535.55	7535845.21	224.20	SACS
▲ 3	366601.34	7535977.06	221.90	SACS
▲ 4	366109.62	7536052.90	225.80	RUNWAY 16 END
▲ 5	363107.24	7535962.07	226.48	RUNWAY 34 END

HORIZONTAL DATUM: NAD 83 OREGON STATE PLANE NORTH ZONE  
 COORDINATES SHOWN ARE INTERNATIONAL FEET  
 VERTICAL DATUM: NAVD 88

- SURVEY NOTES:**
- HORIZONTAL AND VERTICAL CONTROL SURVEY REFERENCE POINTS ARE PROVIDED FOR CONTROL OF THE PROJECT. ALL LAYOUT AND CONSTRUCTION SURVEYING SHALL BE CONDUCTED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF OREGON.
  - PRIOR TO BEGINNING ANY LAYOUT, THE CONTRACTOR'S SURVEYOR SHALL OCCUPY ALL REFERENCE CONTROL POINTS SHOWN IN THE TABLE ON THIS SHEET AND VERIFY DATA GIVEN. ANY DISCREPANCY SHALL IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION OR CORRECTION.

**GENERAL NOTES:**

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GENERAL CONTRACT PROVISIONS, TECHNICAL SPECIFICATIONS AND CONSTRUCTION SAFETY AND PHASING PLAN SECTIONS OF THE CONTRACT DOCUMENT FOR REQUIREMENTS RELATING TO CONSTRUCTION SAFETY, LAYOUT WORK, QUALITY CONTROL TESTING AND OTHER CONTRACT PROVISIONS.
- THE CONTRACTOR, ENGINEER, OWNER, AND OTHER INVITED REPRESENTATIVES OR GUESTS WILL CONDUCT A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING CONSTRUCTION IN ORDER TO DISCUSS PROJECT SCHEDULE, CONSTRUCTION REQUIREMENTS, AIRFIELD IMPACTS, AND OTHER AGENDA ITEMS RELATED TO THE PROJECT.
- THE CONTRACTOR SHALL OBTAIN AND THE OWNER WILL PAY FOR ANY PERMITS, FEES, OR CHARGES NECESSARY TO COMPLETE THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL UTILITIES DURING THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING THE UTILITY NOTIFICATION CENTER TO LOCATE PUBLIC UTILITIES AND FOR ANY ADDITIONAL UTILITY LOCATES INCLUDING HIRING A PRIVATE LOCATE SERVICE IF REQUIRED. ANY UTILITIES DAMAGED IN CONJUNCTION WITH THE CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND/OR REPAIRED BY THE CONTRACTOR AS APPROVED BY THE OWNER.
- ALL HAUL ROUTES SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT. VERIFY CONDITION WITH OWNER PRIOR TO CONSTRUCTION. RESTORATION AND GRADING OF GRAVEL ACCESS ROADS SHALL BE CONDUCTED UPON COMPLETION OF USE BY THE CONTRACTOR.
- LIMITS OF WORK SHOWN ON THIS SHEET ARE APPROXIMATE AND SHOW GENERAL AREAS OF WORK. SEE SPECIFIC SHEETS FOR ACTUAL LIMITS OF WORK.

**CONTRACTOR'S SUPERINTENDENT AND SAFETY OFFICER:**

- THE CONTRACTOR SHALL HAVE A FULL TIME SUPERINTENDENT ON THE PROJECT SITE ANY TIME WORK IS BEING ACCOMPLISHED ON THE AIRPORT. THIS INCLUDES WORK BEING PERFORMED BY SUBCONTRACTORS OR SERVICE PROVIDERS UNLESS OTHERWISE APPROVED BY THE OWNER.
- THE CONTRACTOR SHALL ASSIGN ONE PERSON TO BE THE SAFETY OFFICER DURING THE PROJECT. THE SAFETY OFFICER SHALL BE ONSITE AT ALL TIMES WHEN WORK IS OCCURRING IN THE AIR OPERATIONS AREA (AOA) WHEN THE AIRPORT IS OPEN UNLESS OTHERWISE APPROVED BY THE OWNER. THE SAFETY OFFICER SHALL BE RESPONSIBLE FOR THE EDUCATION AND TRAINING OF ALL PERSONNEL WHO WILL ACCESS AIRPORT PROPERTY. THE OFFICER SHALL MAINTAIN RECORDS INDICATING THAT PERSONNEL HAVE BEEN TRAINED AND ARE FAMILIAR WITH SAFETY RULES AND REGULATIONS RELATED TO OPERATIONS AT THE AIRPORT DURING CONSTRUCTION. PERSONNEL WHO VIOLATE SAFETY REQUIREMENTS MAY BE REMOVED FROM THE PROJECT AT THE DISCRETION OF THE OWNER. THE SAFETY OFFICER SHALL ALSO BE RESPONSIBLE FOR FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT. SEE CONSTRUCTION SAFETY AND PHASING PLAN FOR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR'S SUPERINTENDENT AND SAFETY OFFICER SHALL ATTEND THE WEEKLY CONSTRUCTION MEETING.

**WEEKLY CONSTRUCTION MEETING:**

- THE CONTRACTOR, ENGINEER, RPR, OWNER, OWNER'S REPRESENTATIVE AND OTHER INVITED REPRESENTATIVES OR GUESTS WILL CONDUCT A WEEKLY CONSTRUCTION MEETING IN ORDER TO DISCUSS ACTIVITIES ON THE PROJECT. THE MEETING SHALL BE USED TO DISCUSS CONSTRUCTION ISSUES, PROJECT SCHEDULE, AND AIRPORT OPERATIONS DURING CONSTRUCTION AND OTHER AGENDA ITEMS RELATED TO THE PROJECT. SPECIFIC ACTIVITIES ANTICIPATED FOR THE FOLLOWING WEEK SHALL BE DISCUSSED, PARTICULARLY THOSE IMPACTING AIRPORT OPERATIONS AND SAFETY. A TWO WEEK LOOK AHEAD SHALL ALSO BE PROVIDED.

**PROJECT FUNDING:**

- EXECUTION OF ALL WORK IN THIS CONTRACT IS CONTINGENT UPON THE CITY OF ALBANY'S RECEIPT OF FEDERAL FUNDS. THESE FUNDS WILL NOT BE ASSURED UNTIL A GRANT IS EXECUTED BETWEEN THE FAA AND THE CITY OF ALBANY AFTER THE CONTRACT BID OPENING. GRANT EXECUTION IS EXPECTED TO OCCUR IN THE SUMMER OF 2024. OWNER SHALL HAVE THE FINAL AUTHORITY REGARDING START DATE OF CONSTRUCTION.
- ALL ELEMENTS OF WORK ARE AIRPORT IMPROVEMENT PROGRAM (AIP) ELIGIBLE.

**CONSTRUCTION SCHEDULE:**

- THE CONTRACTOR SHALL PREPARE AND SUBMIT A "CONSTRUCTION SAFETY PLAN COMPLIANCE DOCUMENT" AND "CONSTRUCTION SCHEDULE" TO THE ENGINEER AND OWNER FOR REVIEW A MINIMUM OF 10 DAYS PRIOR TO STARTING CONSTRUCTION OR PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, WHICHEVER OCCURS EARLIER. THE PLAN MUST BE ACCEPTABLE TO THE OWNER PRIOR TO BEGINNING WORK.
- THE CONSTRUCTION SCHEDULE SHALL BE REVISED ANY TIME AN ELEMENT OF WORK DOES NOT COINCIDE WITH THE INITIAL TIME LINE PRESENTED OR IF REQUESTED BY THE ENGINEER OR OWNER.

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**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
 OREGON  
 DIGITALLY SIGNED  
 JUNE 14, 2024  
 GEOFF W. VAUGHN  
 EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
DRAWN:	JAW
CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**SITE PLAN**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

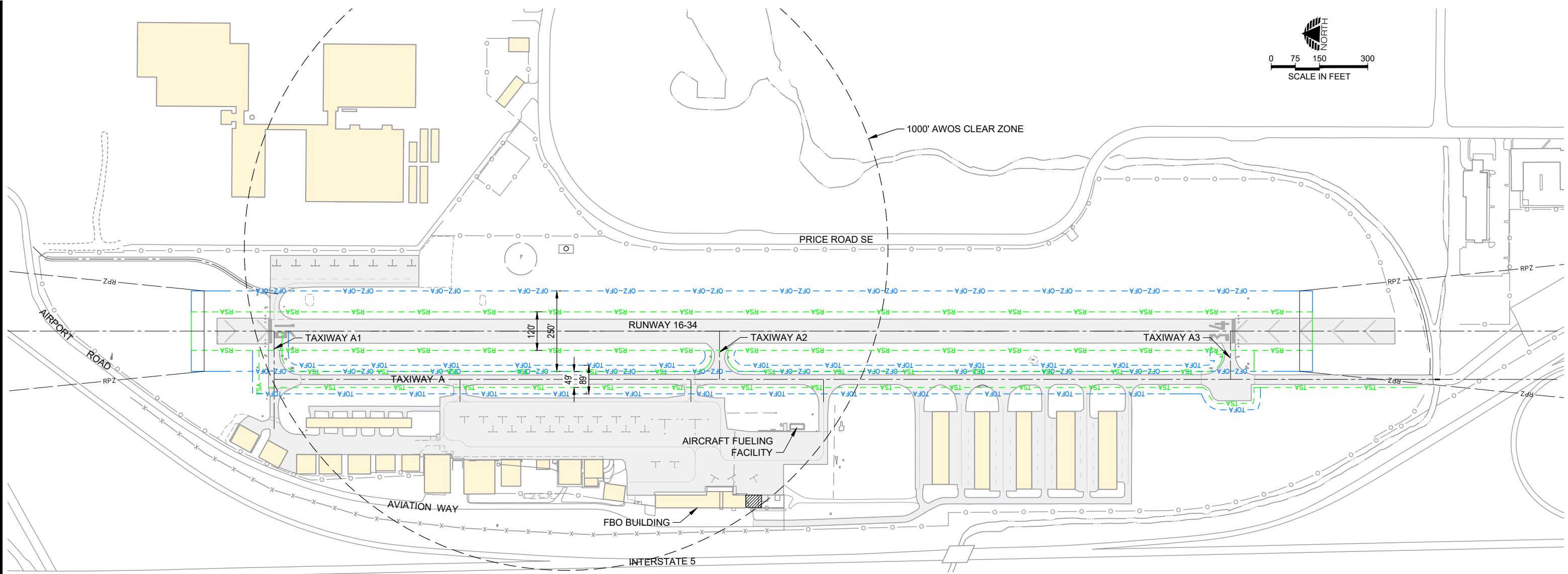
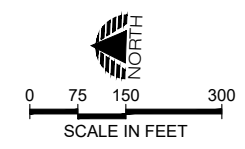
PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**3**

OF **28**



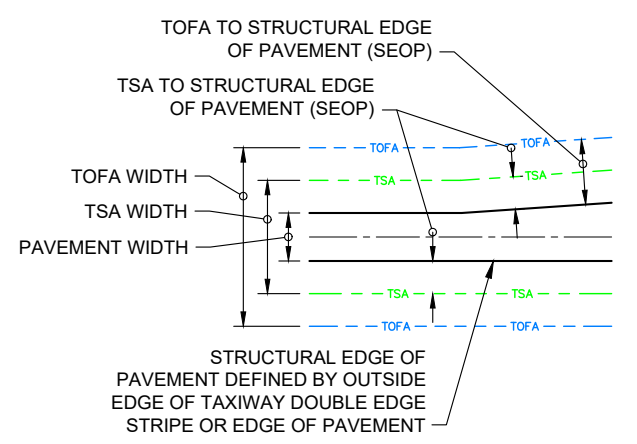
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**CRITICAL AREA DIMENSIONS TABLE**

AREA	PAVEMENT WIDTH	RSA/TSA WIDTH	RSA/TSA TO SEOP	OFA/TOFA WIDTH	OFA/TOFA TO SEOP	OFZ WIDTH	OFZ TO SEOP	LENGTH BEYOND RUNWAY END			
								RSA	OFA	OFZ	
RUNWAYS											
16-34	75'	120'	37.5'	250'	212.5'	250'	162.5'	80'	80'	80'	
TAXIWAYS											
A,A1-A3	30'	49'	22'	89'	48'	N/A	N/A	N/A	N/A	N/A	

- NOTES
- ACRONYMS:
    - RSA RUNWAY SAFETY AREA
    - ROFA RUNWAY OBJECT FREE AREA
    - TSA TAXIWAY/TAXILANE SAFETY AREA
    - TOFA TAXIWAY/TAXILANE OBJECT FREE AREA
    - SEOP STRUCTURAL EDGE OF PAVEMENT
  - SEE CRITICAL AREA DETAIL (1/4) FOR DEFINITION OF WIDTHS



**CRITICAL AREA DETAIL**  
NTS

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**PRECISION APPROACH ENGINEERING**  
5125 Southwest Hout Street  
Corvallis, OR 97333  
541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
72693PE  
DIGITALLY SIGNED  
OREGON  
JUNE 14, 2007  
GEOFF W. VAUGHN  
EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
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SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**CONSTRUCTION SAFETY AND PHASING PLAN - CRITICAL AREAS**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**4**

OF **28**



**PROJECT CONSTRUCTION TIME**

WORK ELEMENTS TO COINCIDE WITH CLOSURE AREAS IDENTIFIED IN CONSTRUCTION PLANS  
 ALL ELEMENTS OF WORK TO BE COMPLETED WITHIN THE TOTAL PROJECT CALENDAR DAY COUNT.

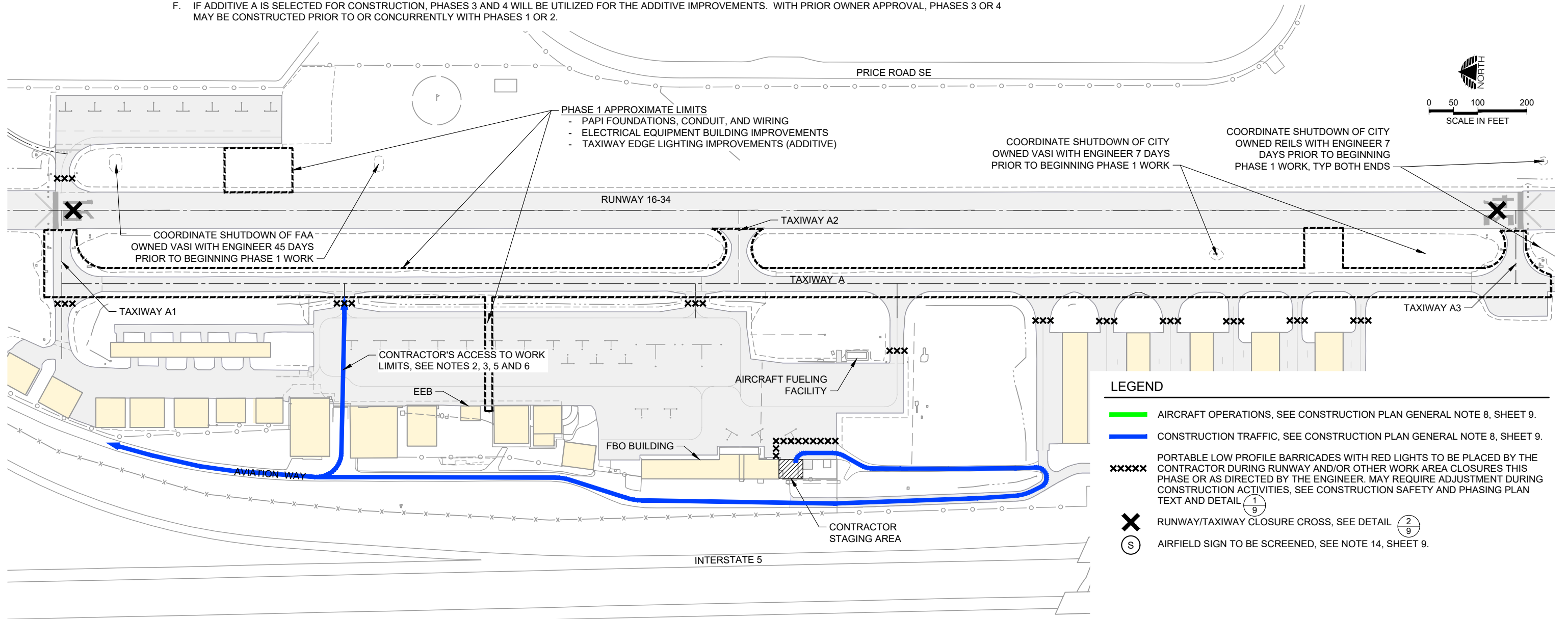
PHASE	AIR OPERATIONS AREA (AOA) IMPACT, SEE GENERAL NOTE 3, SHEET 9	NAVAID/LIGHTING IMPACT	ALLOWABLE DAILY WORK PERIOD, (LOCAL TIME), SEE NOTE A	MAXIMUM NUMBER OF CALENDAR DAYS ALLOWED, SEE NOTE B
1	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	8, SEE NOTE D
2	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	2, SEE NOTE E
3	PARTIAL TAXIWAY A CLOSURE, TAXIWAY A3 CLOSED	NONE	07:00 - 19:00	16, SEE NOTE F
4	PARTIAL TAXIWAY A CLOSURE	NONE	07:00 - 19:00	14, SEE NOTE F

**NOTES:**

- A. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- B. RUNWAY, TAXIWAYS, AND AIR OPERATIONS AREA (AOA) IMPACTS WILL BE FOR THE NUMBER OF DAYS INDICATED.
- C. IF THE CONTRACTOR FAILS TO COMPLETE ANY OF THE PHASES WITHIN THE SPECIFIED TIME PERIOD, LIQUIDATED DAMAGES WILL BE ASSESSED. SEE SPECIFICATIONS.
- D. CONTRACTOR REQUIRED TO CLOSE RUNWAY 16-34, TAXIWAY A, A1, A2, A3 EACH MORNING AND RE-OPEN EACH EVENING FOR THIS PHASE. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, AN ADDITIONAL 7 CALENDAR DAYS WILL BE ALLOWED WITHIN PHASE 1 FOR ADDITIVE WORK ELEMENTS.
- E. FOLLOWING PHASE 1 COMPLETION, WORK WILL BE SUSPENDED UNTIL PHASE 2 CAN START. PHASE 2 WILL BE BEGIN ONCE PAPI FOUNDATIONS ARE SUFFICIENTLY CURED TO ALLOW FOR INSTALLATION OF THE NEW PAPI UNITS.
- F. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, PHASES 3 AND 4 WILL BE UTILIZED FOR THE ADDITIVE IMPROVEMENTS. WITH PRIOR OWNER APPROVAL, PHASES 3 OR 4 MAY BE CONSTRUCTED PRIOR TO OR CONCURRENTLY WITH PHASES 1 OR 2.

**PHASING NOTES**

1. SEE CONSTRUCTION PLAN GENERAL NOTES, SHEET 9, FOR ADDITIONAL REQUIREMENTS.
2. VEHICLES LOCATED IN OR CROSSING ACTIVE AREAS MUST HAVE A WORKING TWO-WAY RADIO, BE UNDER THE SUPERVISION OF CONTRACTOR FURNISHED FLAGGERS, OR BE ESCORTED BY A VEHICLE WITH A RADIO. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL NOT LEAVE OR PLACE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ACTIVE AREAS. MATERIALS TRACKED ONTO ACTIVE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
4. THE ENGINEER MAY REQUIRE SAFETY MEASURES IN ADDITION TO THOSE SHOWN. CONTRACTOR SHALL COMPLY AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR ACCESS TO WORK AREA REQUIRES CROSSING ACTIVE APRON AREAS. CONTRACTOR MUST HAVE APPROVAL FROM THE OWNER PRIOR TO ANY VEHICLES ENTERING ACTIVE AREAS.
6. WHEN THE CONTRACTOR AND/OR ANY OF ITS SUBCONTRACTORS, SUPPLIERS, OR AGENTS ARE CROSSING THE APRON, THEY SHALL YIELD RIGHT OF WAY TO AIRCRAFT AT ALL TIMES. ANY PERSON OR VEHICLE TRANSITING THE APRON SHALL YIELD BY STOPPING IN PLACE AND WAITING FOR THE AIRCRAFT TO PASS OR MAKE ITS INTENTIONS KNOWN PRIOR TO PROCEEDING.
7. TRENCHES WITHIN THE RSA OR TSA SHALL BE BACKFILLED PRIOR TO OPENING THE RUNWAY OR TAXIWAY TO AIRCRAFT, SEE NOTE 7 ON SHEET 9.



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ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**CONSTRUCTION SAFETY AND PHASING PLAN - PHASE 1**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:	ALB007
SHEET NO.	5
OF	28

**PROJECT CONSTRUCTION TIME**

WORK ELEMENTS TO COINCIDE WITH CLOSURE AREAS IDENTIFIED IN CONSTRUCTION PLANS  
 ALL ELEMENTS OF WORK TO BE COMPLETED WITHIN THE TOTAL PROJECT CALENDAR DAY COUNT.

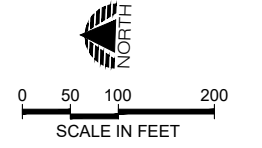
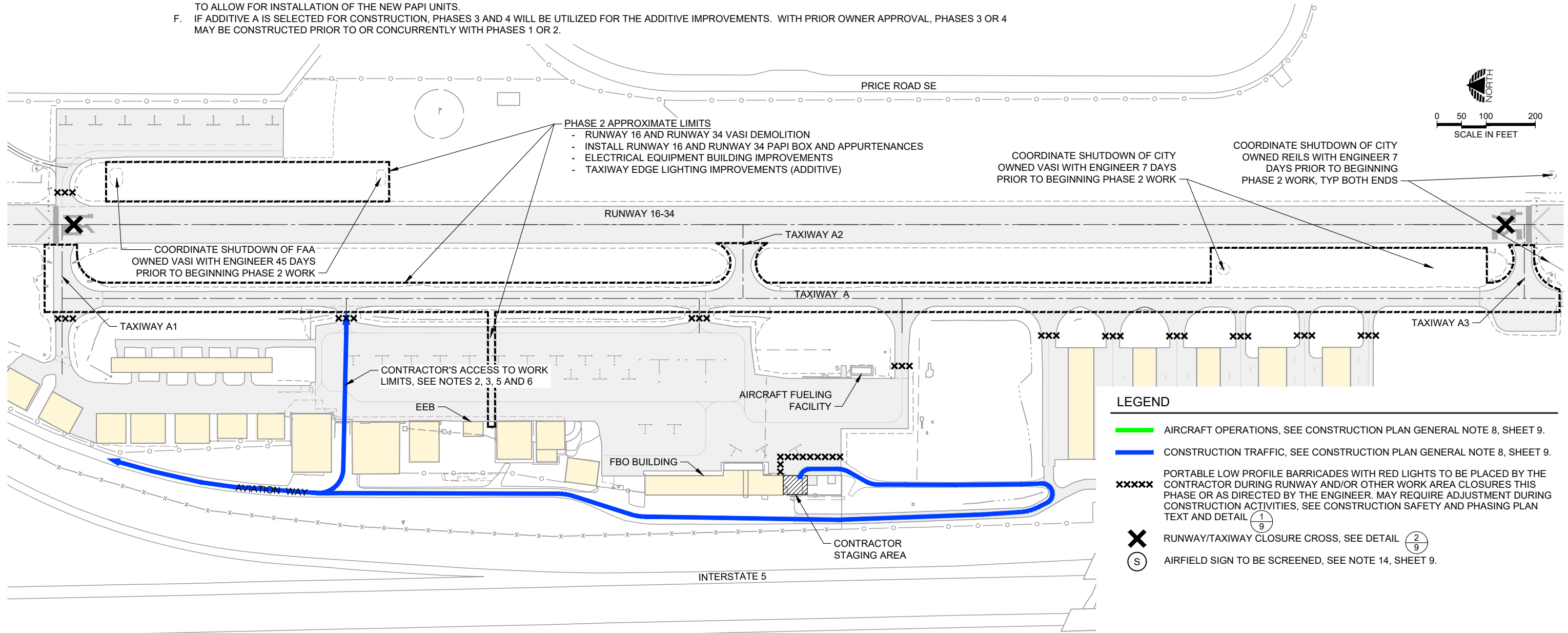
PHASE	AIR OPERATIONS AREA (AOA) IMPACT, SEE GENERAL NOTE 3, SHEET 9	NAVAID/LIGHTING IMPACT	ALLOWABLE DAILY WORK PERIOD, (LOCAL TIME), SEE NOTE A	MAXIMUM NUMBER OF CALENDAR DAYS ALLOWED, SEE NOTE B 8, SEE NOTE D
1	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	8, SEE NOTE D
2	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	2, SEE NOTE E
3	PARTIAL TAXIWAY A CLOSURE, TAXIWAY A3 CLOSED	NONE	07:00 - 19:00	16, SEE NOTE F
4	PARTIAL TAXIWAY A CLOSURE	NONE	07:00 - 19:00	14, SEE NOTE F

**NOTES:**

- A. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- B. RUNWAY, TAXIWAYS, AND AIR OPERATIONS AREA (AOA) IMPACTS WILL BE FOR THE NUMBER OF DAYS INDICATED.
- C. IF THE CONTRACTOR FAILS TO COMPLETE ANY OF THE PHASES WITHIN THE SPECIFIED TIME PERIOD, LIQUIDATED DAMAGES WILL BE ASSESSED. SEE SPECIFICATIONS.
- D. CONTRACTOR REQUIRED TO CLOSE RUNWAY 16-34, TAXIWAY A, A1, A2, A3 EACH MORNING AND RE-OPEN EACH EVENING FOR THIS PHASE. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, AN ADDITIONAL 7 CALENDAR DAYS WILL BE ALLOWED WITHIN PHASE 1 FOR ADDITIVE WORK ELEMENTS.
- E. FOLLOWING PHASE 1 COMPLETION, WORK WILL BE SUSPENDED UNTIL PHASE 2 CAN START. PHASE 2 WILL BE BEGIN ONCE PAPI FOUNDATIONS ARE SUFFICIENTLY CURED TO ALLOW FOR INSTALLATION OF THE NEW PAPI UNITS.
- F. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, PHASES 3 AND 4 WILL BE UTILIZED FOR THE ADDITIVE IMPROVEMENTS. WITH PRIOR OWNER APPROVAL, PHASES 3 OR 4 MAY BE CONSTRUCTED PRIOR TO OR CONCURRENTLY WITH PHASES 1 OR 2.

**PHASING NOTES**

1. SEE CONSTRUCTION PLAN GENERAL NOTES, SHEET 9, FOR ADDITIONAL REQUIREMENTS.
2. VEHICLES LOCATED IN OR CROSSING ACTIVE AREAS MUST HAVE A WORKING TWO-WAY RADIO, BE UNDER THE SUPERVISION OF CONTRACTOR FURNISHED FLAGGERS, OR BE ESCORTED BY A VEHICLE WITH A RADIO. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL NOT LEAVE OR PLACE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ACTIVE AREAS. MATERIALS TRACKED ONTO ACTIVE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
4. THE ENGINEER MAY REQUIRE SAFETY MEASURES IN ADDITION TO THOSE SHOWN. CONTRACTOR SHALL COMPLY AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR ACCESS TO WORK AREA REQUIRES CROSSING ACTIVE APRON AREAS. CONTRACTOR MUST HAVE APPROVAL FROM THE OWNER PRIOR TO ANY VEHICLES ENTERING ACTIVE AREAS.
6. WHEN THE CONTRACTOR AND/OR ANY OF ITS SUBCONTRACTORS, SUPPLIERS, OR AGENTS ARE CROSSING THE APRON, THEY SHALL YIELD RIGHT OF WAY TO AIRCRAFT AT ALL TIMES. ANY PERSON OR VEHICLE TRANSITING THE APRON SHALL YIELD BY STOPPING IN PLACE AND WAITING FOR THE AIRCRAFT TO PASS OR MAKE ITS INTENTIONS KNOWN PRIOR TO PROCEEDING.



**LEGEND**

- AIRCRAFT OPERATIONS, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- CONSTRUCTION TRAFFIC, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- XXXXX PORTABLE LOW PROFILE BARRICADES WITH RED LIGHTS TO BE PLACED BY THE CONTRACTOR DURING RUNWAY AND/OR OTHER WORK AREA CLOSURES THIS PHASE OR AS DIRECTED BY THE ENGINEER. MAY REQUIRE ADJUSTMENT DURING CONSTRUCTION ACTIVITIES, SEE CONSTRUCTION SAFETY AND PHASING PLAN TEXT AND DETAIL 1  
9
- ✕ RUNWAY/TAXIWAY CLOSURE CROSS, SEE DETAIL 2  
9
- Ⓢ AIRFIELD SIGN TO BE SCREENED, SEE NOTE 14, SHEET 9.

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**PRINT IN COLOR**  
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**PRECISION APPROACH**  
**ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
 OREGON  
 DIGITALLY SIGNED  
 JUNE 14, 2024  
 GEOFF W. VAUGHN  
 EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
DRAWN:	JAW
CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**CONSTRUCTION SAFETY AND PHASING PLAN - PHASE 2**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:	<b>ALB007</b>
SHEET NO.	<b>6</b>
OF	<b>28</b>

**PROJECT CONSTRUCTION TIME**

WORK ELEMENTS TO COINCIDE WITH CLOSURE AREAS IDENTIFIED IN CONSTRUCTION PLANS  
 ALL ELEMENTS OF WORK TO BE COMPLETED WITHIN THE TOTAL PROJECT CALENDAR DAY COUNT.

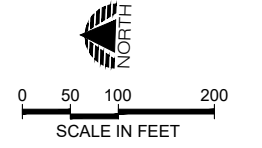
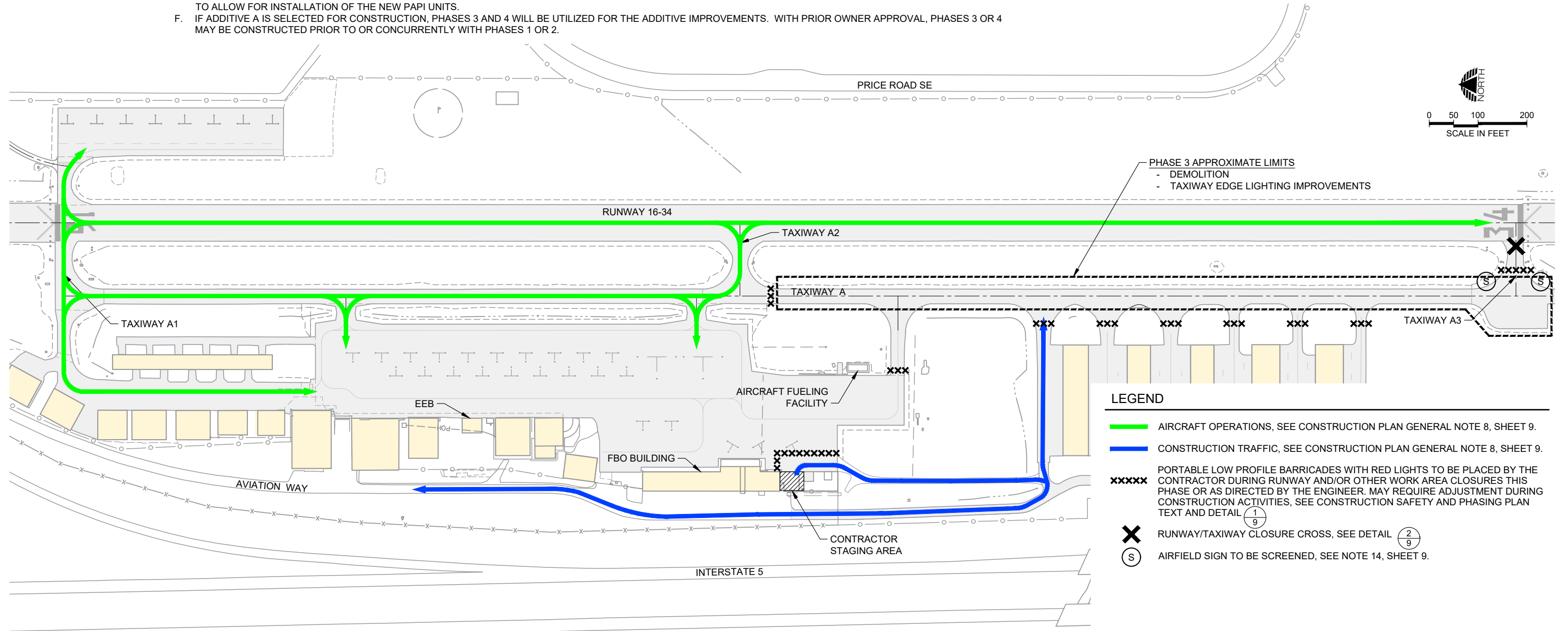
PHASE	AIR OPERATIONS AREA (AOA) IMPACT, SEE GENERAL NOTE 3, SHEET 9	NAVAID/LIGHTING IMPACT	ALLOWABLE DAILY WORK PERIOD, (LOCAL TIME), SEE NOTE A	MAXIMUM NUMBER OF CALENDAR DAYS ALLOWED, SEE NOTE B
1	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	8, SEE NOTE D
2	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	2, SEE NOTE E
3	PARTIAL TAXIWAY A CLOSURE, TAXIWAY A3 CLOSED	NONE	07:00 - 19:00	16, SEE NOTE F
4	PARTIAL TAXIWAY A CLOSURE	NONE	07:00 - 19:00	14, SEE NOTE F

**NOTES:**

- A. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- B. RUNWAY, TAXIWAYS, AND AIR OPERATIONS AREA (AOA) IMPACTS WILL BE FOR THE NUMBER OF DAYS INDICATED.
- C. IF THE CONTRACTOR FAILS TO COMPLETE ANY OF THE PHASES WITHIN THE SPECIFIED TIME PERIOD, LIQUIDATED DAMAGES WILL BE ASSESSED. SEE SPECIFICATIONS.
- D. CONTRACTOR REQUIRED TO CLOSE RUNWAY 16-34, TAXIWAY A, A1, A2, A3 EACH MORNING AND RE-OPEN EACH EVENING FOR THIS PHASE. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, AN ADDITIONAL 7 CALENDAR DAYS WILL BE ALLOWED WITHIN PHASE 1 FOR ADDITIVE WORK ELEMENTS.
- E. FOLLOWING PHASE 1 COMPLETION, WORK WILL BE SUSPENDED UNTIL PHASE 2 CAN START. PHASE 2 WILL BE BEGIN ONCE PAPI FOUNDATIONS ARE SUFFICIENTLY CURED TO ALLOW FOR INSTALLATION OF THE NEW PAPI UNITS.
- F. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, PHASES 3 AND 4 WILL BE UTILIZED FOR THE ADDITIVE IMPROVEMENTS. WITH PRIOR OWNER APPROVAL, PHASES 3 OR 4 MAY BE CONSTRUCTED PRIOR TO OR CONCURRENTLY WITH PHASES 1 OR 2.

**PHASING NOTES**

1. SEE CONSTRUCTION PLAN GENERAL NOTES, SHEET 9, FOR ADDITIONAL REQUIREMENTS.
2. VEHICLES LOCATED IN OR CROSSING ACTIVE AREAS MUST HAVE A WORKING TWO-WAY RADIO, BE UNDER THE SUPERVISION OF CONTRACTOR FURNISHED FLAGGERS, OR BE ESCORTED BY A VEHICLE WITH A RADIO. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL NOT LEAVE OR PLACE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ACTIVE AREAS. MATERIALS TRACKED ONTO ACTIVE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
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PHASE 3 APPROXIMATE LIMITS  
 - DEMOLITION  
 - TAXIWAY EDGE LIGHTING IMPROVEMENTS

**LEGEND**

- AIRCRAFT OPERATIONS, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- CONSTRUCTION TRAFFIC, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- XXXXX PORTABLE LOW PROFILE BARRICADES WITH RED LIGHTS TO BE PLACED BY THE CONTRACTOR DURING RUNWAY AND/OR OTHER WORK AREA CLOSURES THIS PHASE OR AS DIRECTED BY THE ENGINEER. MAY REQUIRE ADJUSTMENT DURING CONSTRUCTION ACTIVITIES, SEE CONSTRUCTION SAFETY AND PHASING PLAN TEXT AND DETAIL 1  
9
- X RUNWAY/TAXIWAY CLOSURE CROSS, SEE DETAIL 2  
9
- S AIRFIELD SIGN TO BE SCREENED, SEE NOTE 14, SHEET 9.

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**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
 OREGON  
 DIGITALLY SIGNED  
 JUNE 14, 2024  
 GEOFF W. VAUGHN  
 EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

DATE: JUN 2024  
 DESIGN: GWV  
 DRAWN: JAW  
 CHECKED: GWV  
 REVISION NUMBER: 0  
 SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  
**ADDITIVE - CONSTRUCTION SAFETY AND PHASING PLAN - PHASE 3**  
 PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**  
 SHEET NO.  
**7**  
 OF **28**



**PROJECT CONSTRUCTION TIME**

WORK ELEMENTS TO COINCIDE WITH CLOSURE AREAS IDENTIFIED IN CONSTRUCTION PLANS  
 ALL ELEMENTS OF WORK TO BE COMPLETED WITHIN THE TOTAL PROJECT CALENDAR DAY COUNT.

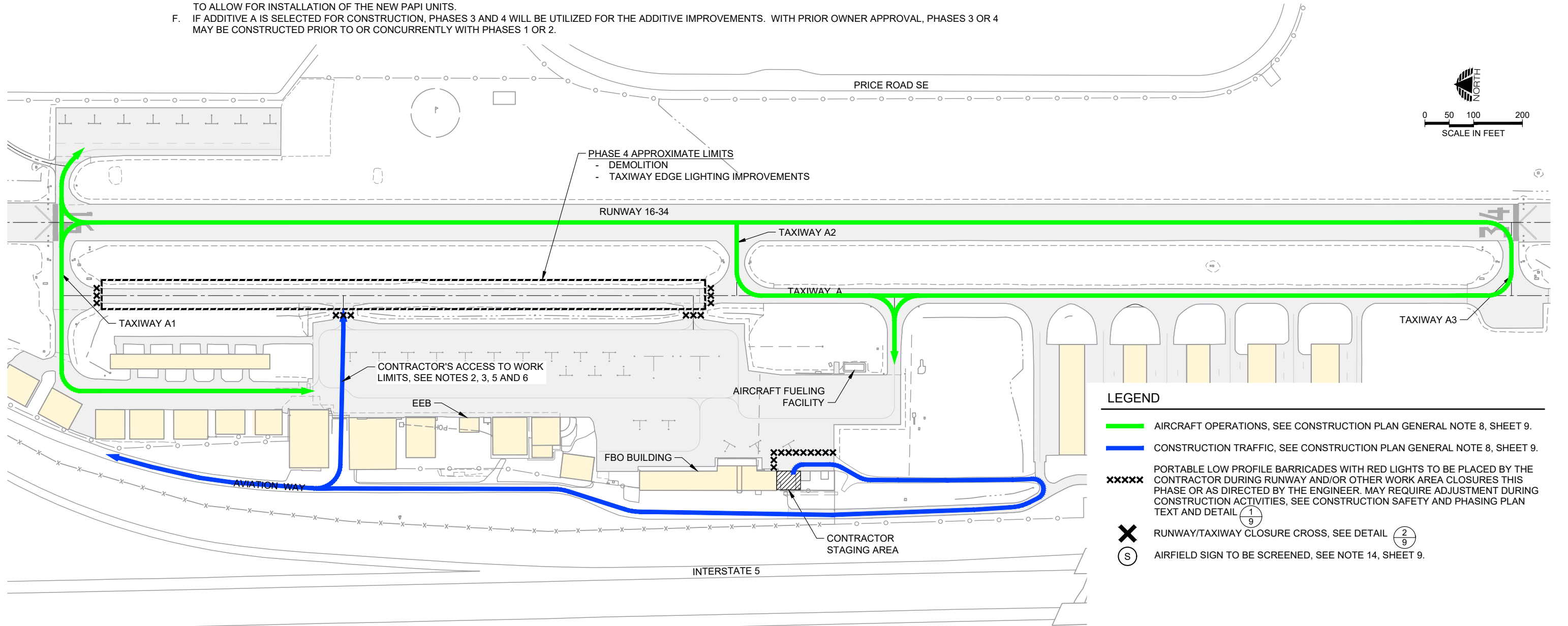
PHASE	AIR OPERATIONS AREA (AOA) IMPACT, SEE GENERAL NOTE 3, SHEET 9	NAVAID/LIGHTING IMPACT	ALLOWABLE DAILY WORK PERIOD, (LOCAL TIME), SEE NOTE A	MAXIMUM NUMBER OF CALENDAR DAYS ALLOWED, SEE NOTE B
1	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	8, SEE NOTE D
2	RUNWAY 16-34 CLOSED, TAXIWAY A1, A2, AND A3 CLOSED, PARTIAL TAXIWAY A CLOSURE	RUNWAY 16- REIL, RUNWAY 16 VASI, RUNWAY 34 VASI, RUNWAY 16-34 EDGE LIGHTING	07:00 - 19:00	2, SEE NOTE E
3	PARTIAL TAXIWAY A CLOSURE, TAXIWAY A3 CLOSED	NONE	07:00 - 19:00	16, SEE NOTE F
4	PARTIAL TAXIWAY A CLOSURE	NONE	07:00 - 19:00	14, SEE NOTE F

**NOTES:**

- A. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- B. RUNWAY, TAXIWAYS, AND AIR OPERATIONS AREA (AOA) IMPACTS WILL BE FOR THE NUMBER OF DAYS INDICATED.
- C. IF THE CONTRACTOR FAILS TO COMPLETE ANY OF THE PHASES WITHIN THE SPECIFIED TIME PERIOD, LIQUIDATED DAMAGES WILL BE ASSESSED. SEE SPECIFICATIONS.
- D. CONTRACTOR REQUIRED TO CLOSE RUNWAY 16-34, TAXIWAY A, A1, A2, A3 EACH MORNING AND RE-OPEN EACH EVENING FOR THIS PHASE. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, AN ADDITIONAL 7 CALENDAR DAYS WILL BE ALLOWED WITHIN PHASE 1 FOR ADDITIVE WORK ELEMENTS.
- E. FOLLOWING PHASE 1 COMPLETION, WORK WILL BE SUSPENDED UNTIL PHASE 2 CAN START. PHASE 2 WILL BE BEGIN ONCE PAPI FOUNDATIONS ARE SUFFICIENTLY CURED TO ALLOW FOR INSTALLATION OF THE NEW PAPI UNITS.
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**PHASING NOTES**

1. SEE CONSTRUCTION PLAN GENERAL NOTES, SHEET 9, FOR ADDITIONAL REQUIREMENTS.
2. VEHICLES LOCATED IN OR CROSSING ACTIVE AREAS MUST HAVE A WORKING TWO-WAY RADIO, BE UNDER THE SUPERVISION OF CONTRACTOR FURNISHED FLAGGERS, OR BE ESCORTED BY A VEHICLE WITH A RADIO. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL NOT LEAVE OR PLACE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ACTIVE AREAS. MATERIALS TRACKED ONTO ACTIVE AREAS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
4. THE ENGINEER MAY REQUIRE SAFETY MEASURES IN ADDITION TO THOSE SHOWN. CONTRACTOR SHALL COMPLY AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
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**LEGEND**

- AIRCRAFT OPERATIONS, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- CONSTRUCTION TRAFFIC, SEE CONSTRUCTION PLAN GENERAL NOTE 8, SHEET 9.
- XXXXX** PORTABLE LOW PROFILE BARRICADES WITH RED LIGHTS TO BE PLACED BY THE CONTRACTOR DURING RUNWAY AND/OR OTHER WORK AREA CLOSURES THIS PHASE OR AS DIRECTED BY THE ENGINEER. MAY REQUIRE ADJUSTMENT DURING CONSTRUCTION ACTIVITIES, SEE CONSTRUCTION SAFETY AND PHASING PLAN TEXT AND DETAIL 1  
9
- X** RUNWAY/TAXIWAY CLOSURE CROSS, SEE DETAIL 2  
9
- (S)** AIRFIELD SIGN TO BE SCREENED, SEE NOTE 14, SHEET 9.

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**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043



REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
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CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**ADDITIVE - CONSTRUCTION SAFETY AND PHASING PLAN - PHASE 4**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

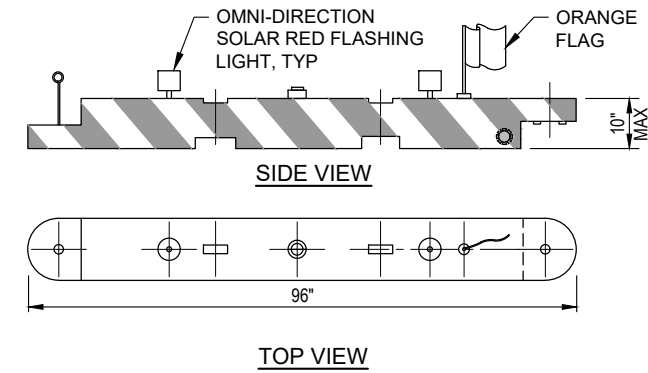
PROJECT NUMBER:	<b>ALB007</b>
SHEET NO.	<b>8</b>
OF	<b>28</b>

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CONSTRUCTION PLAN GENERAL NOTES

- EXCEPT FOR CLOSURES NOTED, AIRPORT AND AIR OPERATIONS AREAS (AOAS) TO REMAIN OPEN TO AIRCRAFT OPERATIONS DURING ENTIRE COURSE OF WORK. SEE SPECIFICATIONS AND CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) TEXT FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL COORDINATE WORK TO ASSURE MINIMUM INCONVENIENCE TO AIRPORT OPERATIONS. IN ALL CIRCUMSTANCES SAFETY SHALL TAKE PRECEDENCE.
- AIRCRAFT ACCESS TO THE APRON AREAS AND HANGARS TO BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE.
- WORK WITHIN THE RUNWAY OBSTACLE FREE ZONE (ROFZ) OR TAXIWAY OBJECT FREE AREA (TOFA) WILL REQUIRE CLOSURE OF IMPACTED RUNWAY OR TAXIWAY. SEE AIRFIELD CRITICAL AREAS DRAWING FOR LIMITS. SEE CSPP TEXT FOR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE SUFFICIENT LEAD TIME FOR REQUIRED NOTIFICATIONS WITH PROJECT STAKEHOLDERS AND THE FEDERAL AVIATION ADMINISTRATION. THIS WILL REQUIRE SUBMITTAL OF A PRELIMINARY SCHEDULE TO INCLUDE START DATES FOR INDIVIDUAL PHASES AND DATES FOR AIRPORT FACILITIES IMPACTS WITHIN 10 CALENDAR DAYS AFTER NOTICE OF CONTRACT AWARD. A REVISED "CONSTRUCTION SCHEDULE" WILL BE PREPARED IN CONJUNCTION WITH THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL NOTIFY THE OWNER WITH REQUESTS FOR NOTICES TO AIRMEN (NOTAMS) 48 HOURS PRIOR TO IMPLEMENTATION. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR CONSTRUCTION RELATED AOA CLOSURES. CLOSURES ARE SUBJECT TO APPROVAL BY THE OWNER. SEE CSPP TEXT FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL DELINEATE LOCATION OF ROFZ AND TOFA AT TRAFFIC ACCESS POINTS, AND PROVIDE OTHER FIELD DELINEATION TO SEPARATE CONSTRUCTION ACTIVITIES FROM AIRPORT OPERATIONS AS DIRECTED BY THE ENGINEER. DELINEATION WITHIN THE ROFZ AND TOFA SHALL BE LOW PROFILE AND SHALL NOT PRESENT A HAZARD TO AIRCRAFT. CONES, STAKES, OR OTHER METHODS AS APPROVED BY THE ENGINEER MAY BE USED OUTSIDE THE ROFA AND TOFA.
- BARRICADES, LIGHTS, AND OTHER CONSTRUCTION CONTROL DEVICES FURNISHED, PLACED, AND MAINTAINED BY THE CONTRACTOR SHALL BE PROVIDED AT VARIOUS LOCATIONS, AS NECESSARY TO ADEQUATELY SEPARATE CONSTRUCTION ACTIVITIES FROM THE AOA. BARRICADES SHOWN ON THE DRAWINGS ARE FOR REFERENCE AND THE NUMBER AND LOCATION OF BARRICADES MAY CHANGE TO MEET SAFETY REQUIREMENTS.
- PRIOR TO REOPENING A CLOSED RUNWAY OR TAXIWAY FOR OPERATIONS THE CONTRACTOR SHALL PROVIDE ADEQUATE TIME FOR THE ENGINEER OR OWNER TO INSPECT FOR CLEANLINESS AND CONFORMANCE TO REGULATIONS INCLUDING GRADING REQUIREMENTS OF THE RUNWAY SAFETY AREA (RSA) OR TAXIWAY SAFETY AREA (TSA). THE TIME NEEDED FOR INSPECTION AND POSSIBLE NECESSARY CORRECTIVE ACTION SHALL BE INCLUDED WITHIN THE ALLOWED CLOSURE PERIOD.
- WORK AREAS SHOWN IN PHASING PLANS ARE APPROXIMATE. SEE APPROPRIATE DRAWINGS FOR SPECIFIC WORK LIMITS. CONTRACTOR SHALL COORDINATE ALL WORK ELEMENTS COMPATIBLE WITH INTENDED PHASE UNLESS OTHERWISE APPROVED BY THE ENGINEER OR OWNER. AIRCRAFT OPERATIONS ROUTES SHOWN ARE APPROXIMATE AND ARE NOT LIMITED TO LOCATIONS SHOWN. CONTRACTOR SHALL REMAIN CLEAR OF AIRCRAFT OPERATIONS AT ALL TIMES.
- CONTRACTOR SHALL NOT BLOCK VEHICLE ACCESS ROADS OR GATES AT ANY TIME.
- LOCATION OF THE CONTRACTOR'S STAGING AREAS ARE APPROXIMATE. VERIFY LIMITS AND LOCATIONS WITH ENGINEER PRIOR TO MOBILIZATION.
- ALL VEHICLES NOT ESSENTIAL FOR CONSTRUCTION, INCLUDING CONTRACTOR-EMPLOYEE VEHICLES SHALL REMAIN OUTSIDE OF AIR OPERATIONS AREA. PARKING SHALL BE CONFINED TO THE CONTRACTOR'S STAGING AREA.
- ALL PORTIONS OF WORK NOT COVERED BY PAYMENT UNDER A SPECIFIC BID ITEM OR LISTED AS INCIDENTAL TO A BID ITEM SHALL BE CONSIDERED INCIDENTAL TO THE MOBILIZATION BID ITEM.
- THE CONTRACTOR SHALL USE AND MONITOR THE AIRPORT'S COMMON TRAFFIC ADVISORY FREQUENCY (CTAF), 122.725 MHZ. SEE CSPP TEXT FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL SCREEN EXISTING GUIDANCE SIGNS LEADING TO CLOSED AREAS USING METHODS APPROVED BY ENGINEER. CONTRACTOR SHALL SUBMIT GUIDANCE SIGN SCREENING PLAN FOR ENGINEER REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
- ALL CONSTRUCTION EQUIPMENT MUST BE MARKED WITH A 3 FEET BY 3 FEET ORANGE AND WHITE CHECKERED FLAG AND/OR AMBER BEACON. ALL CONSTRUCTION VEHICLES MUST BE CLEARLY MARKED WITH THE COMPANY LOGO AT ALL TIMES.
- AIRFIELD LIGHTING TO BE OPERATIONAL AT ALL TIMES FROM SUNSET TO SUNRISE FOR AREAS OPEN TO AIRCRAFT OPERATIONS.



NOTES:

- PROVIDE BARRICADE CAPABLE OF BEING FILLED WITH WATER OR SAND. IF ALTERNATE METHOD OF ANCHORING IS USED IT SHALL NOT CAUSE DAMAGE TO PAVEMENT.
- BARRICADE TO BE CAPABLE OF BEING DEPLOYED BY ONE PERSON WHEN EMPTY.
- CONTRACTOR SHALL MAINTAIN ALL LIGHTS IN WORKING ORDER FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL REPLACE FLAGS AS NECESSARY OR AS DIRECTED BY THE ENGINEER DUE TO DETERIORATION.
- BARRICADES TO BE PROVIDED BY THE CONTRACTOR ARE INCIDENTAL TO THE MOBILIZATION BID ITEM AND ARE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
- NO CONSTRUCTION SHALL BEGIN UNTIL BARRICADES HAVE BEEN PLACED AND APPROVED BY THE ENGINEER.

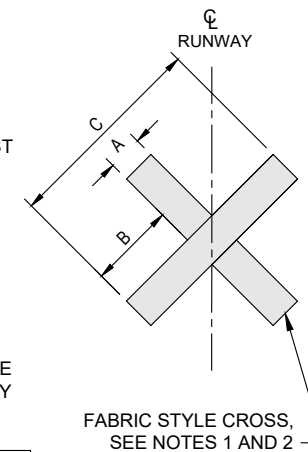
PORTABLE PLASTIC BARRICADE DETAIL

1  
9

NTS

CLOSURE CROSS NOTES:

- TWO FAA APPROVED FABRIC STYLE TEMPORARY CLOSURE CROSSES SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND MAINTAINING THE CONDITION OF THE CROSSES. CROSSES MUST BE PROPERLY CONFIGURED AND SECURED TO PREVENT MOVEMENT BY PROP WASH, JET BLAST, OR OTHER WIND CURRENTS AS REQUIRED OR DIRECTED BY THE RPR. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PLACE CLOSURE CROSSES AT THE RUNWAY NUMERALS OR AS INDICATED ON THE DRAWINGS ANYTIME RUNWAY 16-34 OR CONNECTOR TAXIWAY IS CLOSED TO OPERATIONS.
- CLOSURE CROSSES TO BE PROVIDED BY THE CONTRACTOR ARE INCIDENTAL TO THE MOBILIZATION BID ITEM AND ARE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.



SYMBOL TYPE	A	B	C
CLOSED RUNWAY	10'	25'	60'
CLOSED TAXIWAY	5'	12.5'	30'

CLOSURE CROSS DETAIL

2  
9

NTS



REVISIONS: \_\_\_\_\_ DATE APPD. \_\_\_\_\_

DATE: JUN 2024  
DESIGN: GWV  
DRAWN: JAW  
CHECKED: GWV  
REVISION NUMBER: 0

SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

CONSTRUCTION SAFETY AND PHASING PLAN - NOTES AND DETAILS

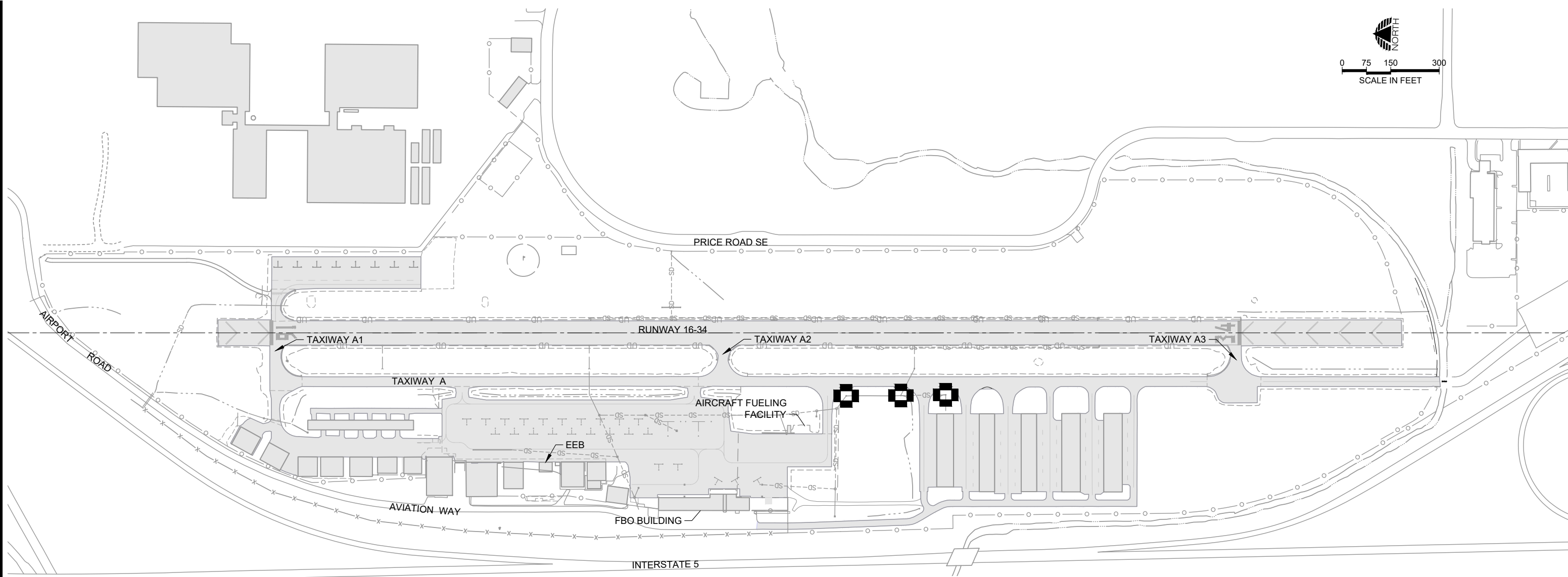
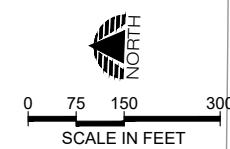
PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
ALB007

SHEET NO.

9

OF 28

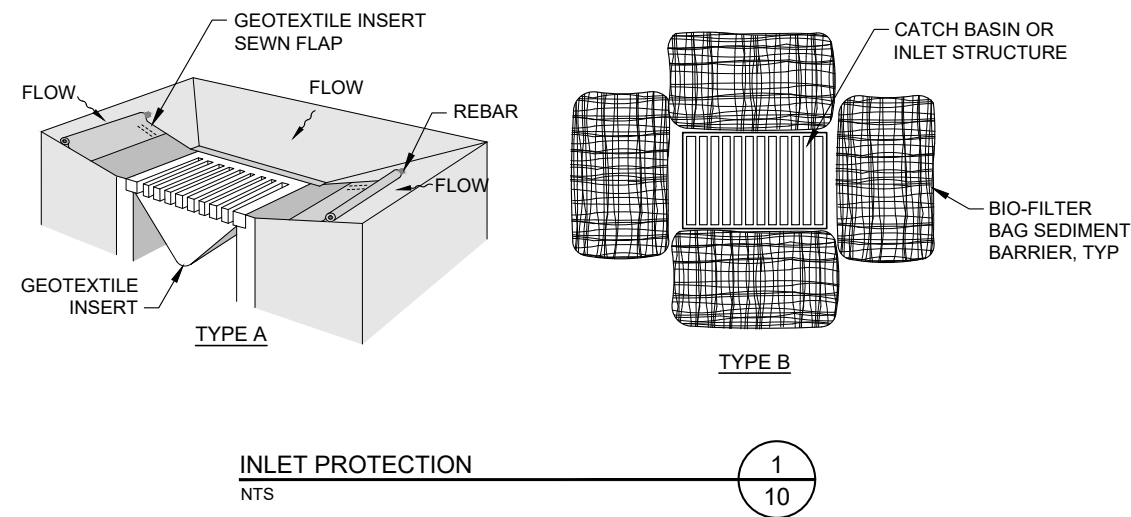


**EROSION AND SEDIMENT CONTROL NOTES**

- BEST MANAGEMENT PRACTICES (BMPs) FOR TEMPORARY EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED AND MAINTAINED UNTIL SITE IS STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL MEASURES REQUIRED BY THE CONTRACTORS MEANS AND METHODS OF CONSTRUCTION TO CONTROL EROSION AND SEDIMENT AT THE CONSTRUCTION SITE. IT IS THE CONTRACTORS RESPONSIBILITY TO PREVENT A VIOLATION OF SURFACE WATER QUALITY, GROUND WATER QUALITY, OR SEDIMENT MANAGEMENT STANDARDS. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES AND STANDARDS.
- PUBLIC RIGHT-OF-WAY AND AIRCRAFT OPERATIONS AREAS SHALL BE KEPT IN A CLEAN AND SERVICEABLE CONDITION AT ALL TIMES. IN THE EVENT MATERIALS ARE INADVERTENTLY DEPOSITED ON ROADWAYS, TAXIWAYS, TAXILANES OR APRONS THE MATERIAL SHALL BE PROMPTLY REMOVED.
- CONTRACTOR SHALL USE ALL MEANS NECESSARY TO MINIMIZE DUST DURING CONSTRUCTION. IF THE ENGINEER REQUESTS DUST CONTROL, THE CONTRACTOR SHALL COMPLY IMMEDIATELY.
- THE CONTRACTOR SHALL HAVE SWEEPING OR VACUUMING CAPABILITIES IN ORDER TO REMOVE DEBRIS FROM ACTIVE OPERATIONAL AREAS. MATERIALS TRACKED ONTO THESE AREAS MUST BE CONTINUOUSLY REMOVED DURING THE PROJECT.
- CONTRACTOR SHALL INSTALL AGGREGATE CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT FACILITY, VERIFY LOCATION WITH ENGINEER PRIOR TO INSTALLATION.
- SEED AND MULCH ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. ALL SEEDING AND MULCHING COSTS SHALL BE PAID FOR UNDER THE TEMPORARY EROSION CONTROL BID ITEM. CONTRACTOR SHALL PROVIDE SEED MIX TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.

**LEGEND - STANDARD PRACTICE CODING SYSTEM**

CODE	SYMBOL	DESCRIPTION
IP		STORMDRAIN INLET PROTECTION, SEE DETAIL <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1/10</span>



06/07/24 - 4:30pm - BFortenberry - P:\VAL\B007 LTG\_PAPI\_TW-A\040CAD\DWG\Sheets\ALB007-ESCP.dwg

**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
 OREGON  
 DIGITALLY SIGNED  
 JUNE 14, 2024  
 GEOFF W. VAUGHN  
 EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
DRAWN:	JAW
CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**EROSION AND SEDIMENT CONTROL PLAN**

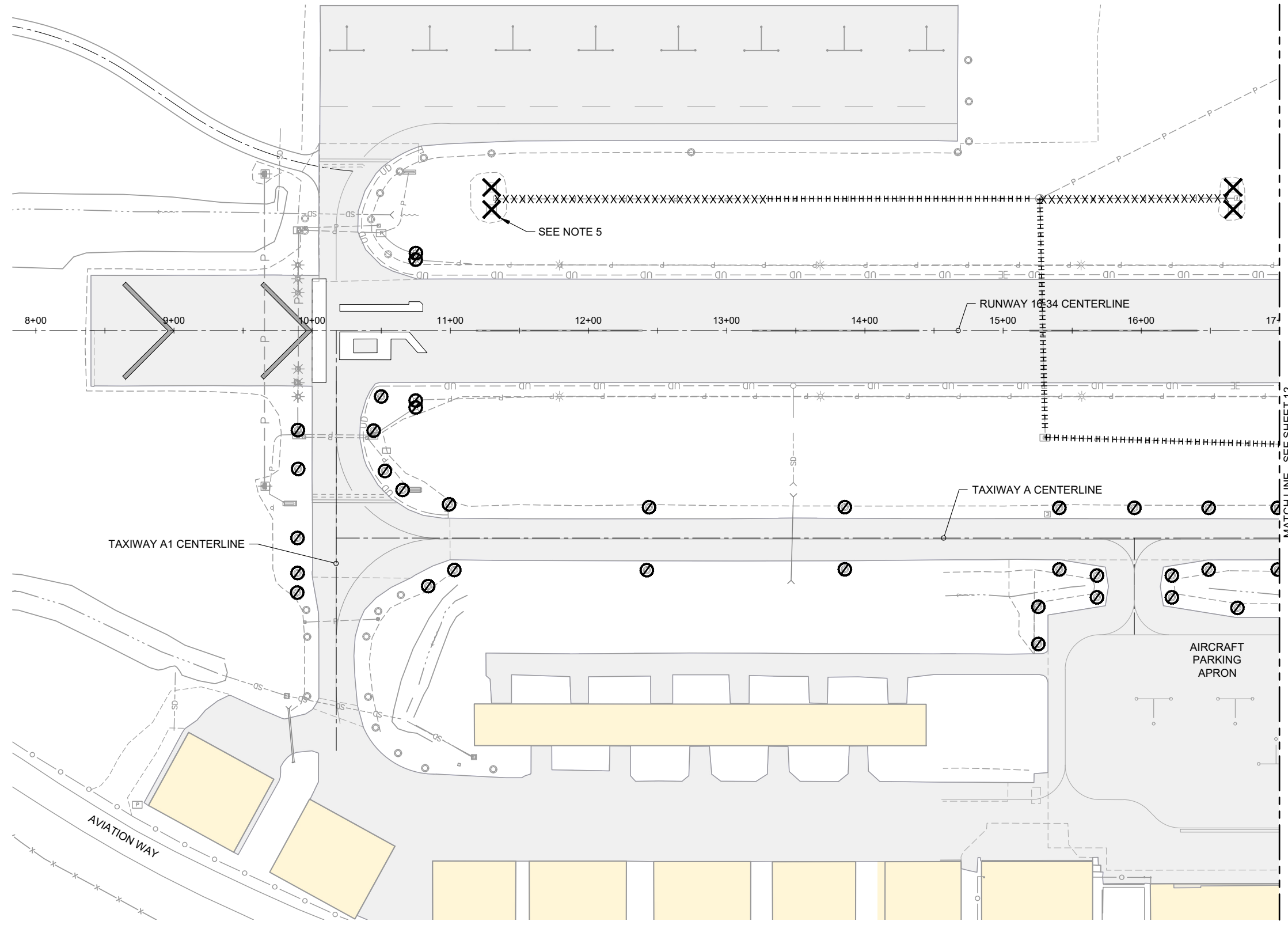
PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**10**

OF **28**

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- LEGEND**
- EXISTING PAVEMENT
  - XXXXXX · EXISTING ELECTRICAL CONDUIT AND CIRCUIT TO BE REMOVED, FOR DIRECT BURIED CABLE SEE NOTE 4
  - HHHHH · EXISTING ELECTRICAL CIRCUIT TO BE REMOVED, PROTECT CONDUIT OR DUCT DURING CONSTRUCTION FOR RE-USE, SEE ELECTRICAL PLANS
  - X · STRUCTURE TO BE REMOVED
  - O · ADDITIVE A - RETROREFLECTIVE MARKER OR TAXIWAY EDGE LIGHT REMOVAL, SEE NOTE 7
  - ① · PROTECT DURING CONSTRUCTION

- DEMOLITION NOTES**
1. ALL ELEMENTS OF DEMOLITION, UNLESS OTHERWISE NOTED, SHALL BE DISPOSED OF OFF-SITE AND PAID FOR UNDER THE LUMP SUM DEMOLITION BID ITEM.
  2. ANY ITEM ENCOUNTERED DURING CONSTRUCTION REQUIRING REMOVAL NOT SHOWN ON PLANS SHALL BE CONSIDERED INCIDENTAL TO DEMOLITION BID ITEM, UNLESS PAID UNDER A SEPARATE DEMOLITION OR REMOVAL BID ITEM, VERIFY WITH RPR.
  3. ALL KNOWN UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES AND REPLACING UTILITIES DAMAGED DURING CONSTRUCTION.
  4. DIRECT BURIED CABLE SHALL BE REMOVED IF ENCOUNTERED, OTHERWISE TERMINATE CONNECTIONS AND ABANDON IN-PLACE.
  5. FAA PERSONNEL WILL REMOVE EXISTING RUNWAY 16 VASI UNITS. FOLLOWING REMOVAL OF THE RUNWAY 16 VASI UNITS, CONTRACTOR SHALL DEMOLISH AND DISPOSE OF VASI FOUNDATIONS, CONDUIT AND APPURTENANCES AS SHOWN.
  6. CONTRACTOR SHALL DEMOLISH AND DISPOSE OF EXISTING RUNWAY 34 VASI UNITS, FOUNDATIONS, AND APPURTENANCES.
  7. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, ALL RETROREFLECTIVE MARKERS AND EXISTING BLUE TAXIWAY EDGE LIGHT FIXTURES SHALL BE REMOVED AND DISPOSED OF OFFSITE. ALL WORK SHALL BE INCIDENTAL TO THE LUMP SUM DEMOLITION BID ITEM.

**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
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REVISIONS:	DATE	APPD.

DATE:	JUN 2024
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CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**DEMOLITION PLAN**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

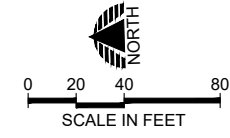
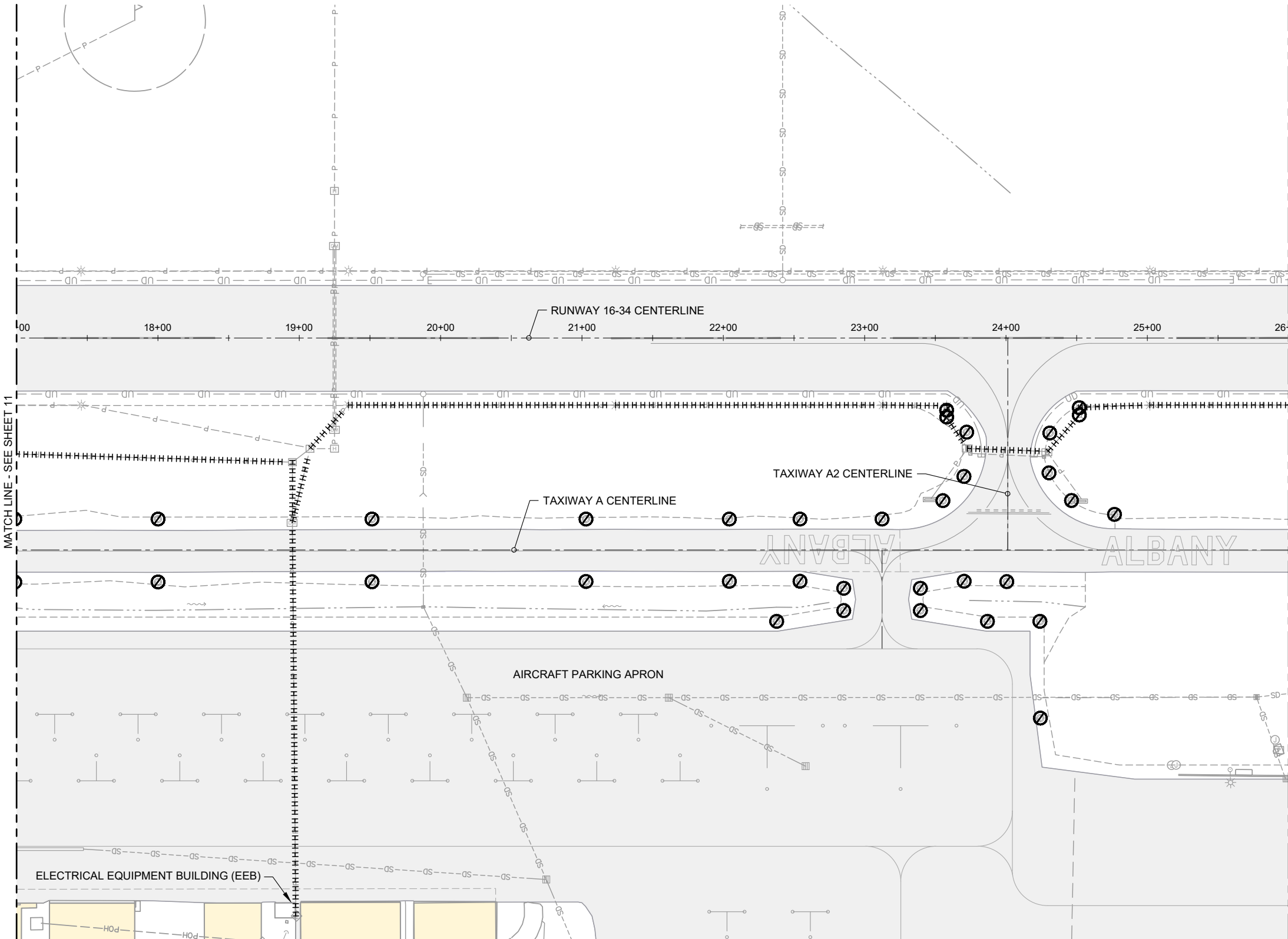
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**ALB007**

SHEET NO.  
**11**

OF **28**



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- LEGEND**
- EXISTING PAVEMENT
  - XXXXXX · EXISTING ELECTRICAL CONDUIT AND CIRCUIT TO BE REMOVED, FOR DIRECT BURIED CABLE SEE NOTE 4
  - HHHHH · EXISTING ELECTRICAL CIRCUIT TO BE REMOVED, PROTECT CONDUIT OR DUCT DURING CONSTRUCTION FOR RE-USE, SEE ELECTRICAL PLANS
  - X · STRUCTURE TO BE REMOVED
  - ⊙ · ADDITIVE A - RETROREFLECTIVE MARKER OR TAXIWAY EDGE LIGHT REMOVAL, SEE NOTE 7
  - ① · PROTECT DURING CONSTRUCTION

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  2. ANY ITEM ENCOUNTERED DURING CONSTRUCTION REQUIRING REMOVAL NOT SHOWN ON PLANS SHALL BE CONSIDERED INCIDENTAL TO DEMOLITION BID ITEM, UNLESS PAID UNDER A SEPARATE DEMOLITION OR REMOVAL BID ITEM, VERIFY WITH RPR.
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  6. CONTRACTOR SHALL DEMOLISH AND DISPOSE OF EXISTING RUNWAY 34 VASI UNITS, FOUNDATIONS, AND APPURTENANCES.
  7. IF ADDITIVE A IS SELECTED FOR CONSTRUCTION, ALL RETROREFLECTIVE MARKERS AND EXISTING BLUE TAXIWAY EDGE LIGHT FIXTURES SHALL BE REMOVED AND DISPOSED OF OFFSITE. ALL WORK SHALL BE INCIDENTAL TO THE LUMP SUM DEMOLITION BID ITEM.

**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
 72693PE  
 OREGON  
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 GREGG W. VAUGHN  
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REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
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CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**DEMOLITION PLAN**

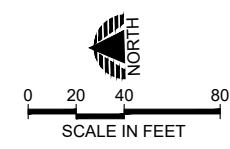
PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**


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**12**

OF **28**

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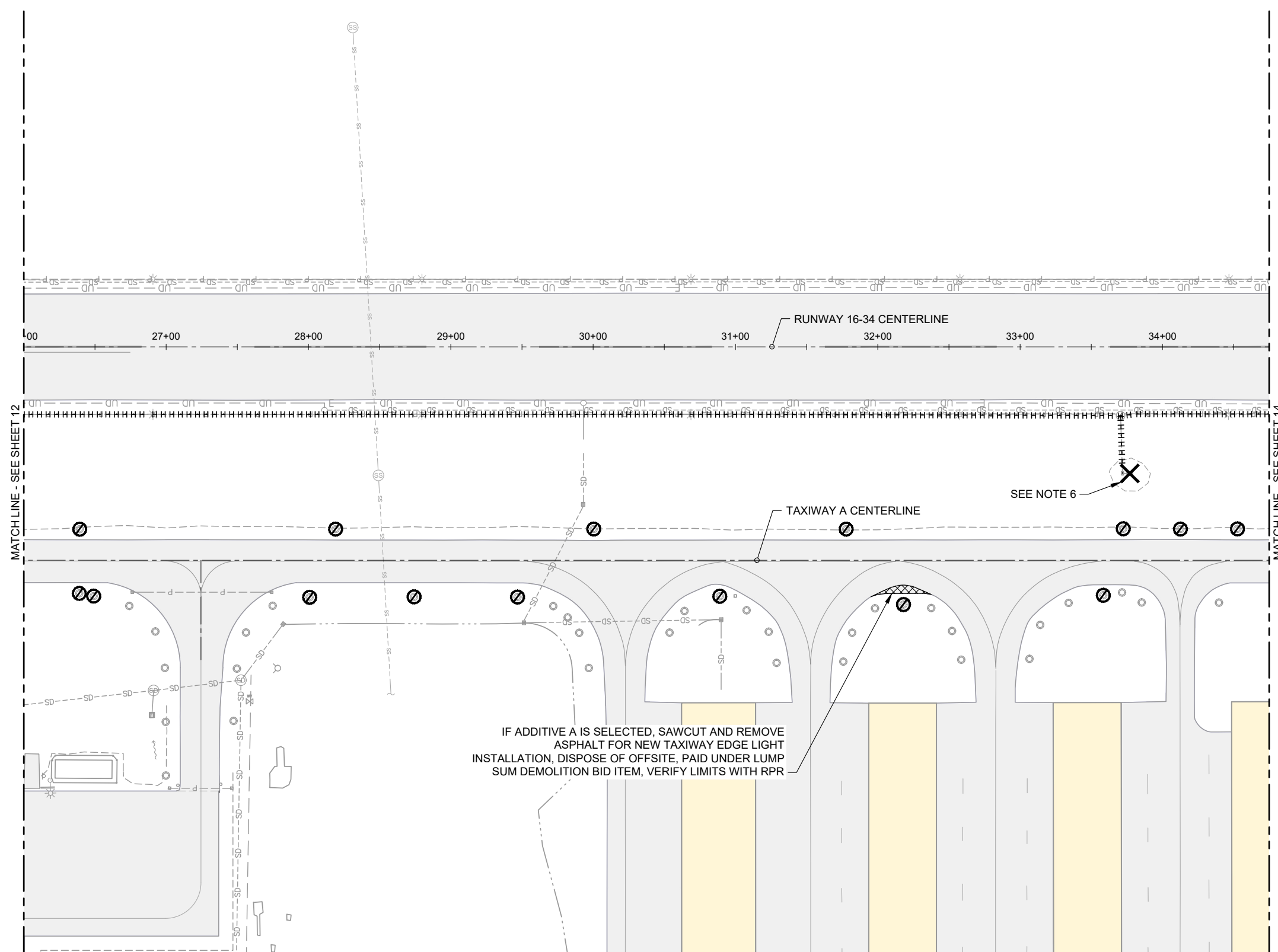


**LEGEND**

-  EXISTING PAVEMENT
- XXXXXX · EXISTING ELECTRICAL CONDUIT AND CIRCUIT TO BE REMOVED, FOR DIRECT BURIED CABLE SEE NOTE 4
- HHHHH · EXISTING ELECTRICAL CIRCUIT TO BE REMOVED, PROTECT CONDUIT OR DUCT DURING CONSTRUCTION FOR RE-USE, SEE ELECTRICAL PLANS
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**DEMOLITION NOTES**

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**PRECISION APPROACH**  
ENGINEERING  
5125 Southwest Hout Street  
Corvallis, OR 97333  
541•754•0043



REVISIONS:	DATE	APPD.

DATE: JUN 2024  
 DESIGN: GWV  
 DRAWN: JAW  
 CHECKED: GWV  
 REVISION NUMBER: 0  
 SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

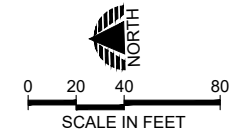
**DEMOLITION PLAN**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**13**

OF **28**

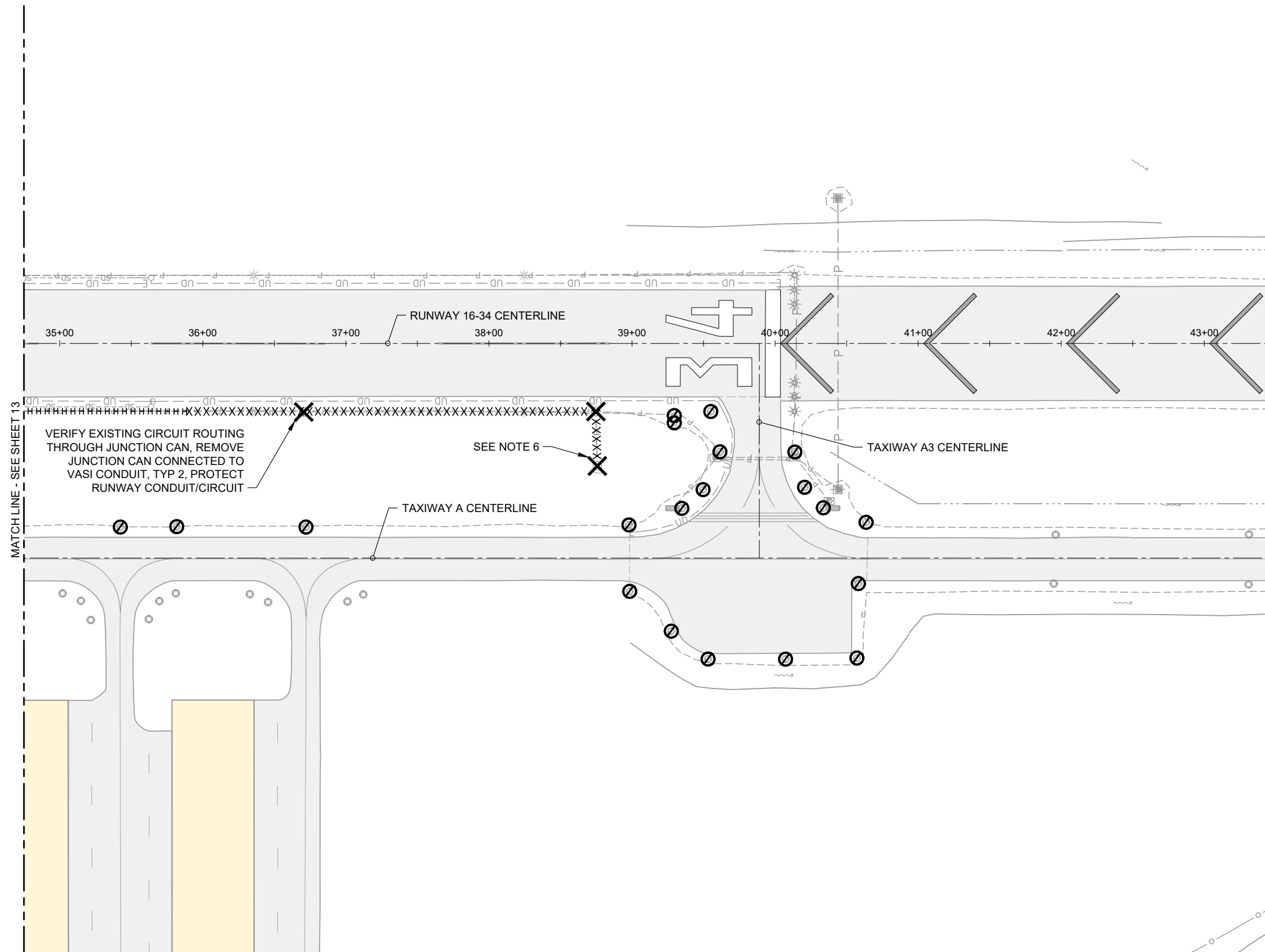


**LEGEND**

- EXISTING PAVEMENT
- XXXXXX · EXISTING ELECTRICAL CONDUIT AND CIRCUIT TO BE REMOVED, FOR DIRECT BURIED CABLE SEE NOTE 4
- HHHHH · EXISTING ELECTRICAL CIRCUIT TO BE REMOVED, PROTECT CONDUIT OR DUCT DURING CONSTRUCTION FOR RE-USE, SEE ELECTRICAL PLANS
- STRUCTURE TO BE REMOVED
- ADDITIVE A - RETROREFLECTIVE MARKER OR TAXIWAY EDGE LIGHT REMOVAL, SEE NOTE 7
- PROTECT DURING CONSTRUCTION

**DEMOLITION NOTES**

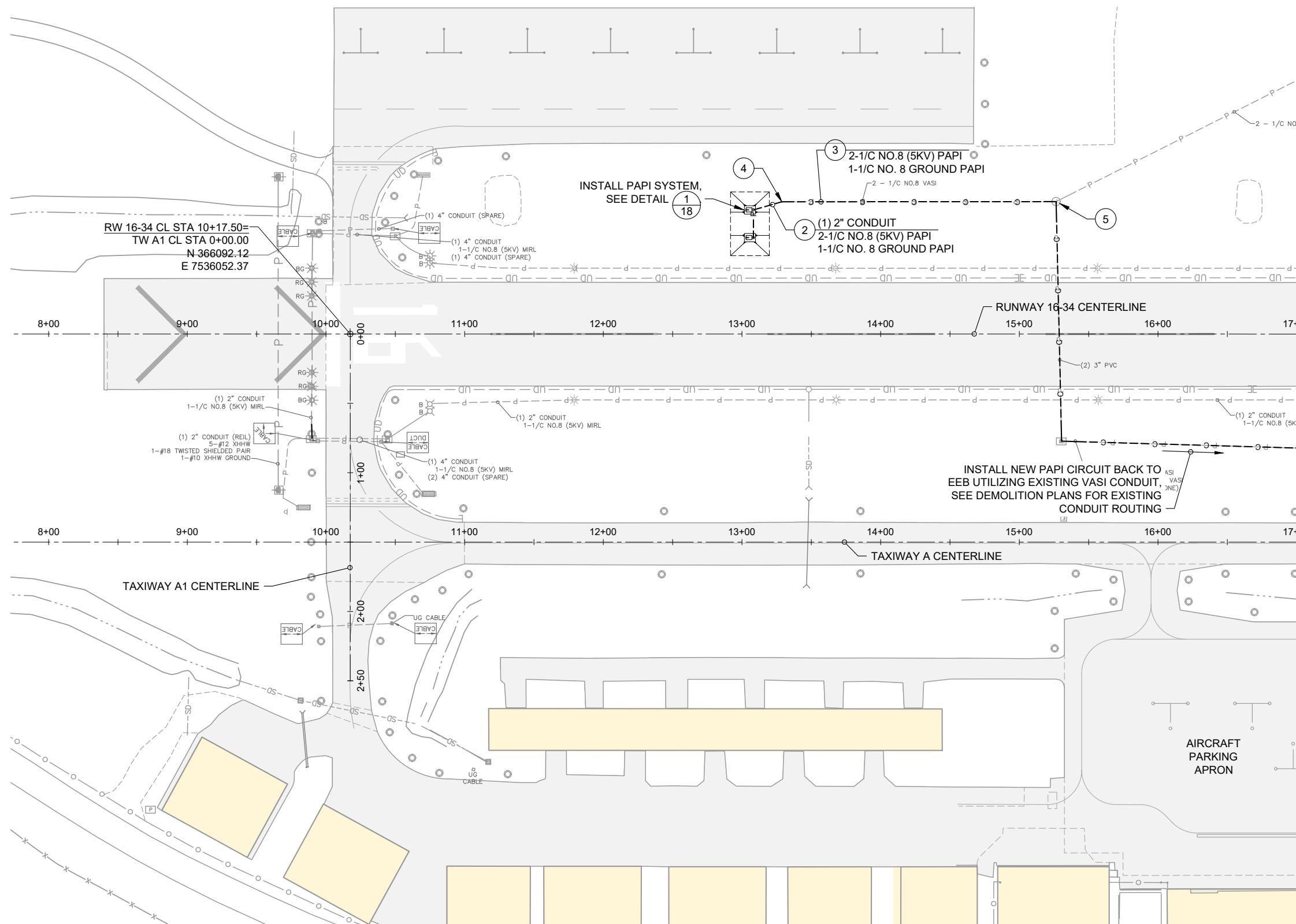
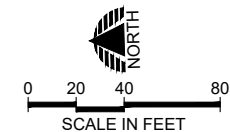
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06/07/24 - 4:30pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A\040CAD\DWG\Sheets\ALB007-Demo.dwg

 <b>PRECISION APPROACH</b> <b>ENGINEERING</b> 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043		REVISIONS: _____	DATE _____	APPD. _____	DATE: JUN 2024	<b>ALBANY MUNICIPAL AIRPORT</b> INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  <b>DEMOLITION PLAN</b>  PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b>
		REVISIONS: _____	DATE _____	APPD. _____	SCALE: AS SHOWN		SHEET NO. <b>14</b> OF <b>28</b>





**ELECTRICAL CONSTRUCTION NOTES**

- ① INSTALL JUNCTION CAN, SEE DETAIL 17
- ② INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL 17
- ③ REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
- ④ EXPOSE AND CONNECT TO EXISTING CONDUIT
- ⑤ PROTECT EXISTING CIRCUITS DURING CONSTRUCTION

**NOTES**

- 1. ALL ELECTRICAL WORK SHALL OCCUR WITHIN THE CONSTRUCTION PHASES AS DEPICTED IN THE CONSTRUCTION PHASING PLAN. NO WORK SHALL BE DONE OUTSIDE THE CONSTRUCTION PHASE UNLESS APPROVED BY THE ENGINEER.
- 2. PARALLEL CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH.
- 3. HOMERUN TO EEB SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF SPLICES POSSIBLE, VERIFY WITH RPR.

**ELECTRICAL LEGEND**

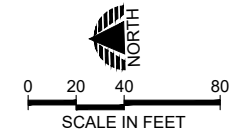
- C--- NEW CIRCUITS TO BE PLACED IN EXISTING CONDUIT, REPLACE EXISTING CIRCUITS IN CONDUITS AS INDICATED
- P--- NEW CONDUITS WITH NEW CIRCUITS, AND/OR NEW SPARE CONDUITS
- (1) 2" ④ INDICATES NUMBER OF NEW CONDUITS AND SIZE

**CIRCUIT LEGEND**

ABBREVIATION	DESCRIPTION
RWEL	RUNWAY EDGE LIGHTS AND SIGNS
TWEL	TAXIWAY EDGE LIGHTS
AWOS	AWOS POWER SUPPLY
VASI	VASI POWER SUPPLY (PORTIONS TO BE REUSED FOR PAPI)
PAPI	PAPI POWER SUPPLY

06/07/24 - 4:30pm - BFortenberry - P:\AVALB007 LTG\_PAPI\_TW-A1040CAD\DWG\Sheets\ALB007-EL-Plan.dwg

	 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043		REVISIONS: _____ DATE APPD. _____	DATE: JUN 2024 DESIGN: GWV DRAWN: JAW CHECKED: GWV REVISION NUMBER: 0 SCALE: AS SHOWN	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  <b>ELECTRICAL PLAN</b> PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b> SHEET NO. <b>15</b> OF 28



**ELECTRICAL CONSTRUCTION NOTES**

- ① INSTALL JUNCTION CAN, SEE DETAIL 1/17
- ② INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL 2/17
- ③ REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
- ④ EXPOSE AND CONNECT TO EXISTING CONDUIT
- ⑤ PROTECT EXISTING CIRCUITS DURING CONSTRUCTION

**NOTES**

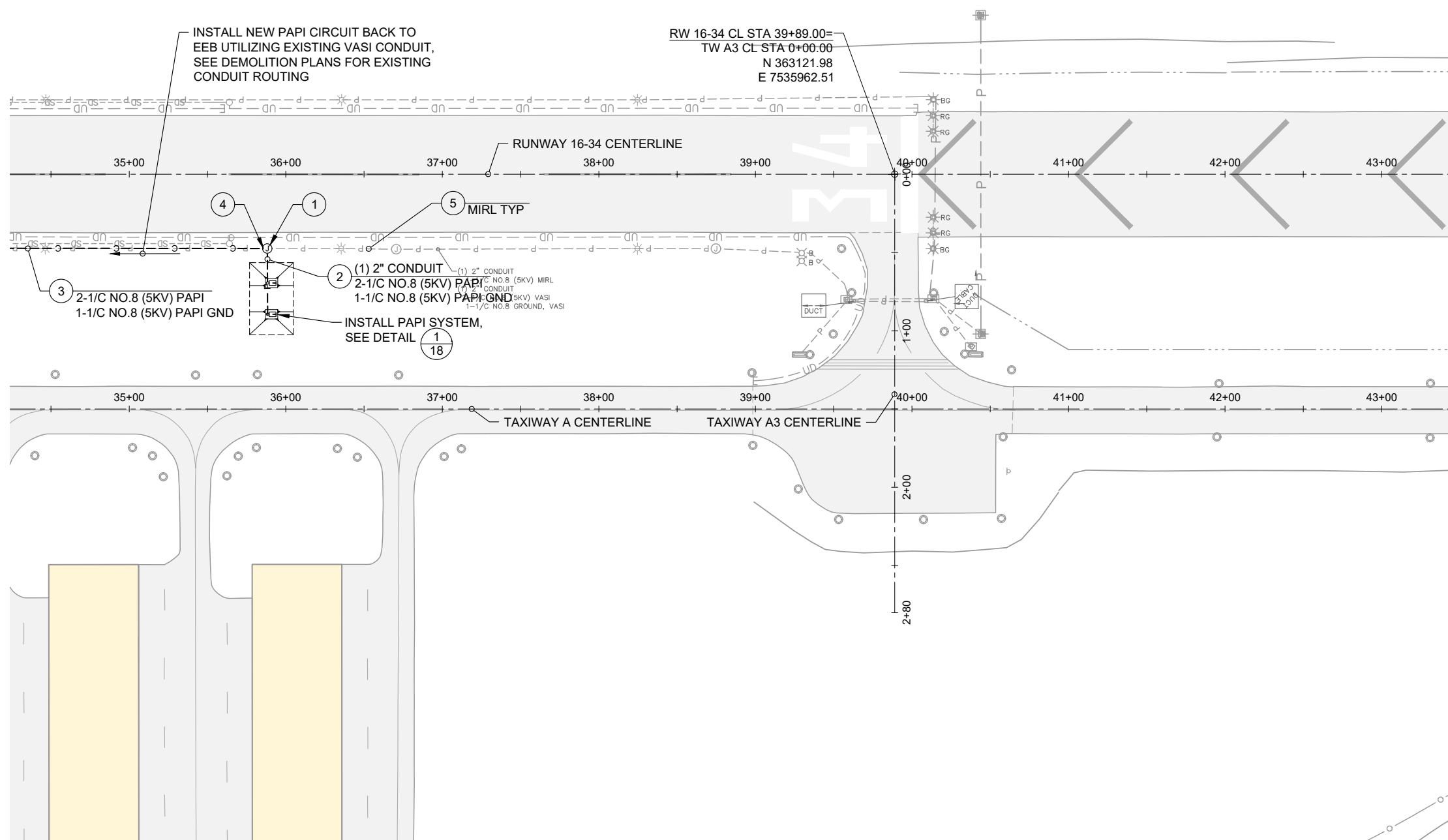
- 1. ALL ELECTRICAL WORK SHALL OCCUR WITHIN THE CONSTRUCTION PHASES AS DEPICTED IN THE CONSTRUCTION PHASING PLAN. NO WORK SHALL BE DONE OUTSIDE THE CONSTRUCTION PHASE UNLESS APPROVED BY THE ENGINEER.
- 2. PARALLEL CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH.
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**ELECTRICAL LEGEND**

- c --- NEW CIRCUITS TO BE PLACED IN EXISTING CONDUIT, REPLACE EXISTING CIRCUITS IN CONDUITS AS INDICATED
- p --- NEW CONDUITS WITH NEW CIRCUITS, AND/OR NEW SPARE CONDUITS
- (1) 2" ④ INDICATES NUMBER OF NEW CONDUITS AND SIZE

**CIRCUIT LEGEND**

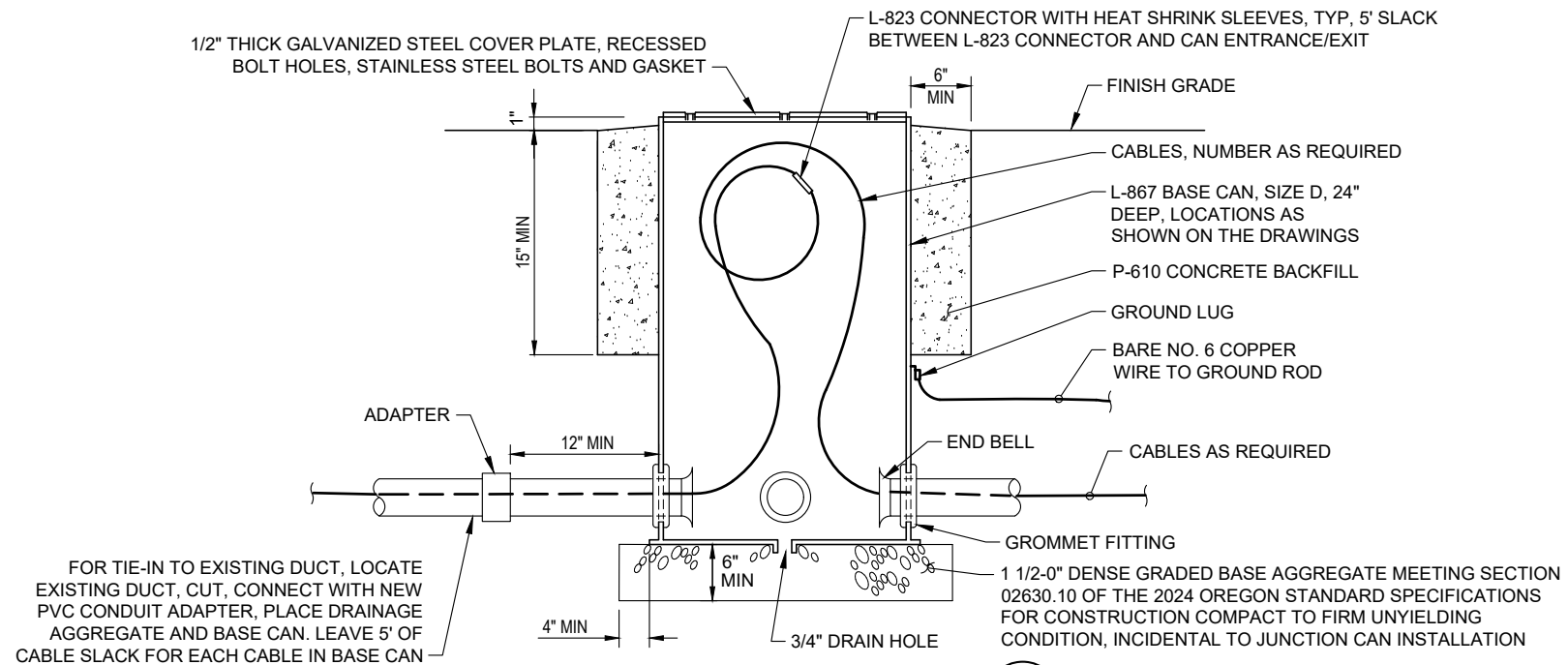
ABBREVIATION	DESCRIPTION
RWEL	RUNWAY EDGE LIGHTS AND SIGNS
TWEL	TAXIWAY EDGE LIGHTS
AWOS	AWOS POWER SUPPLY
VASI	VASI POWER SUPPLY (PORTIONS TO BE REUSED FOR PAPI)
PAPI	PAPI POWER SUPPLY



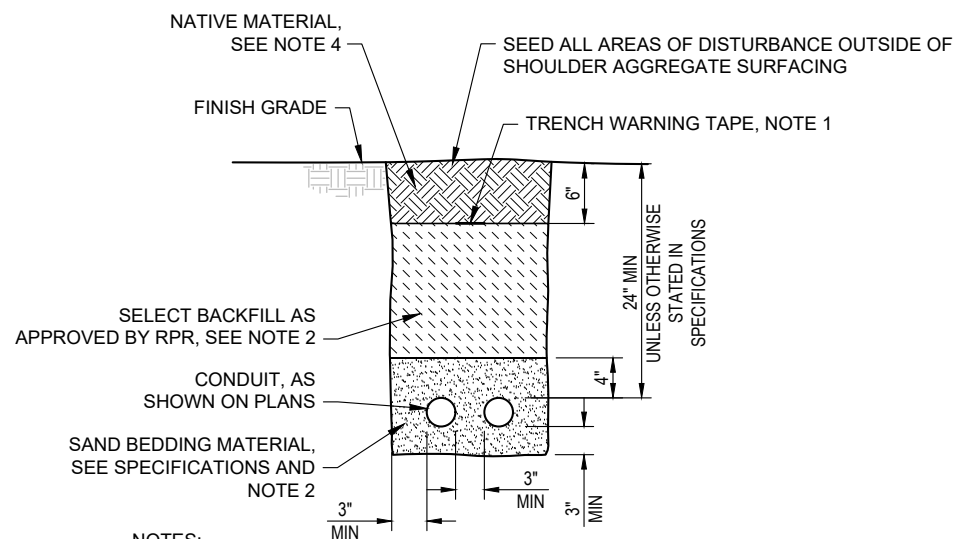
06/07/24 - 4:31pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A\0400CAD\DWG\Sheets\ALB007-EL-Plan.dwg

	 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043		REVISIONS:	DATE	APPD.	DATE: JUN 2024	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  <b>ELECTRICAL PLAN</b>  PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b>
						DESIGN: GWV		DRAWN: JAW
						SCALE: AS SHOWN	OF <b>28</b>	

06/07/24 - 4:31pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A1040CAD\DWG\Sheets\ALB007-ELDE.dwg

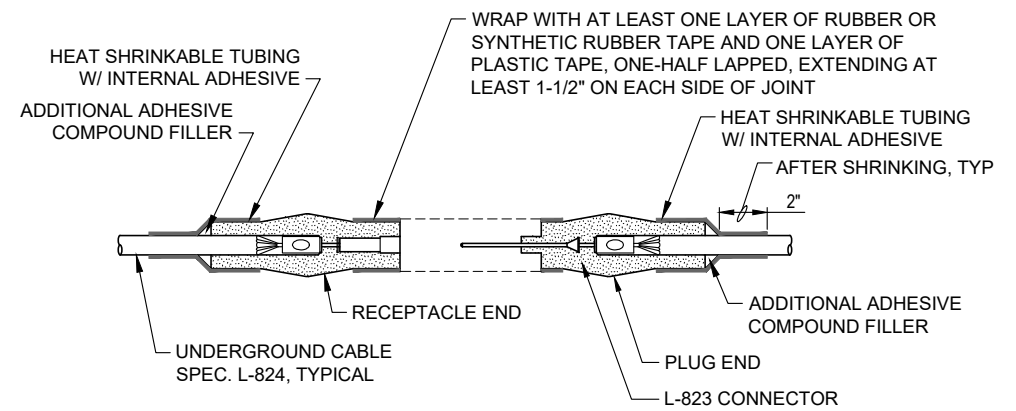


**JUNCTION CAN INSTALLATION DETAIL** 1  
NTS 17



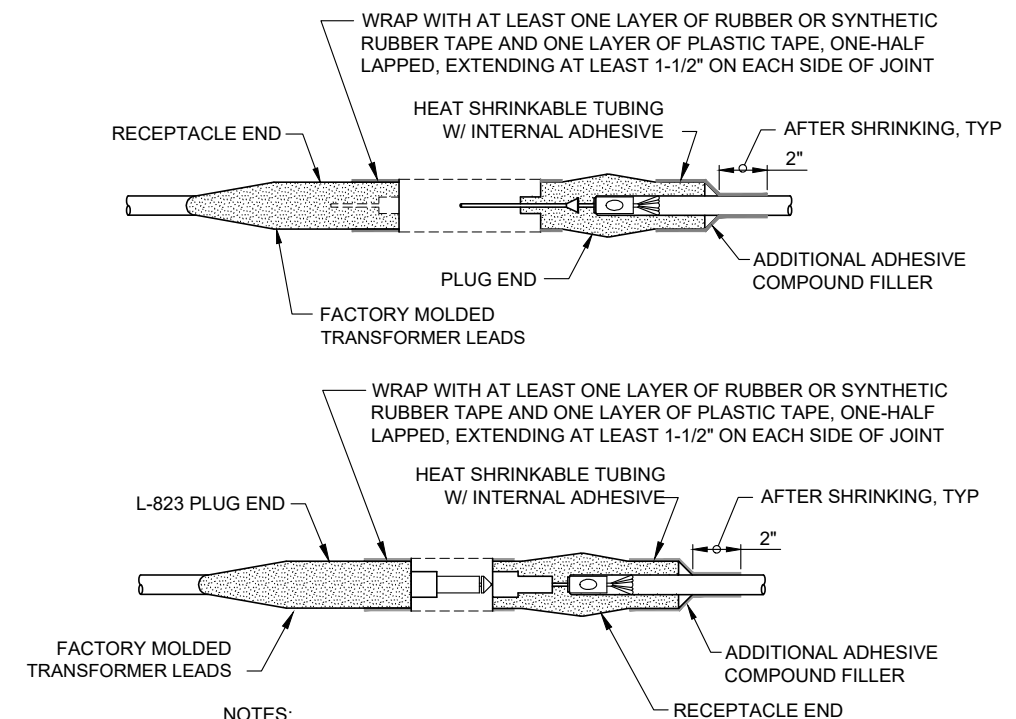
- NOTES:
- WARNING TAPE NOT REQUIRED FOR DUCT(S) ENCASED IN CONCRETE.
  - BACKFILL CONSIDERED INCIDENTAL TO ELECTRICAL TRENCH BID ITEM.
  - 1-DUCT INSTALLATION SIMILAR. MORE THAN TWO DUCTS MAINTAIN HORIZONTAL AND VERTICAL SPACING.
  - STRIP AND STOCKPILE NATIVE TOP SOIL OR AGGREGATE SURFACING PRIOR TO TRENCHING, PLACE AND COMPACT TO A DENSE AND UNYIELDING CONDITION AS APPROVED BY THE RPR.

**NON-PAVED AREA ELECTRICAL TRENCH DETAIL** 2  
NTS 17



NOTE:  
SPLICES TO BE USED AT JUNCTION OF HOMERUN AT THE EEB.

**CABLE SPLICE - TYPE B** 3  
NTS 17



- NOTES:
- FOR SPLICES AT LIGHT FIXTURES AND SIGNS.
  - INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE

**CABLE SPLICE - TYPE C** 4  
NTS 17



REVISIONS:	DATE	APPD.

DATE: JUN 2024  
DESIGN: GWV  
DRAWN: JAW  
CHECKED: GWV  
REVISION NUMBER: 0  
SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**ELECTRICAL DETAILS**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

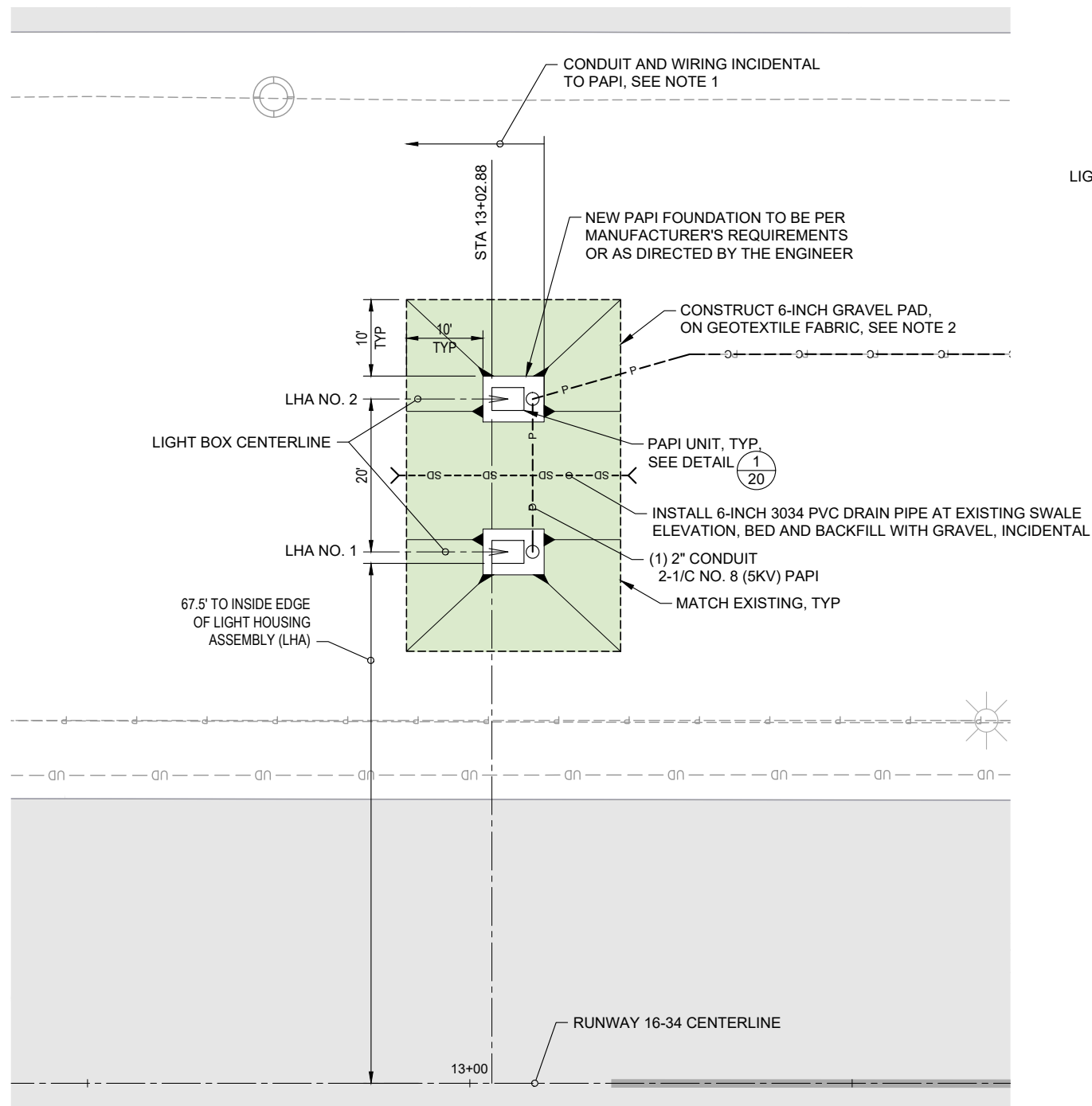
PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**17**

OF **28**

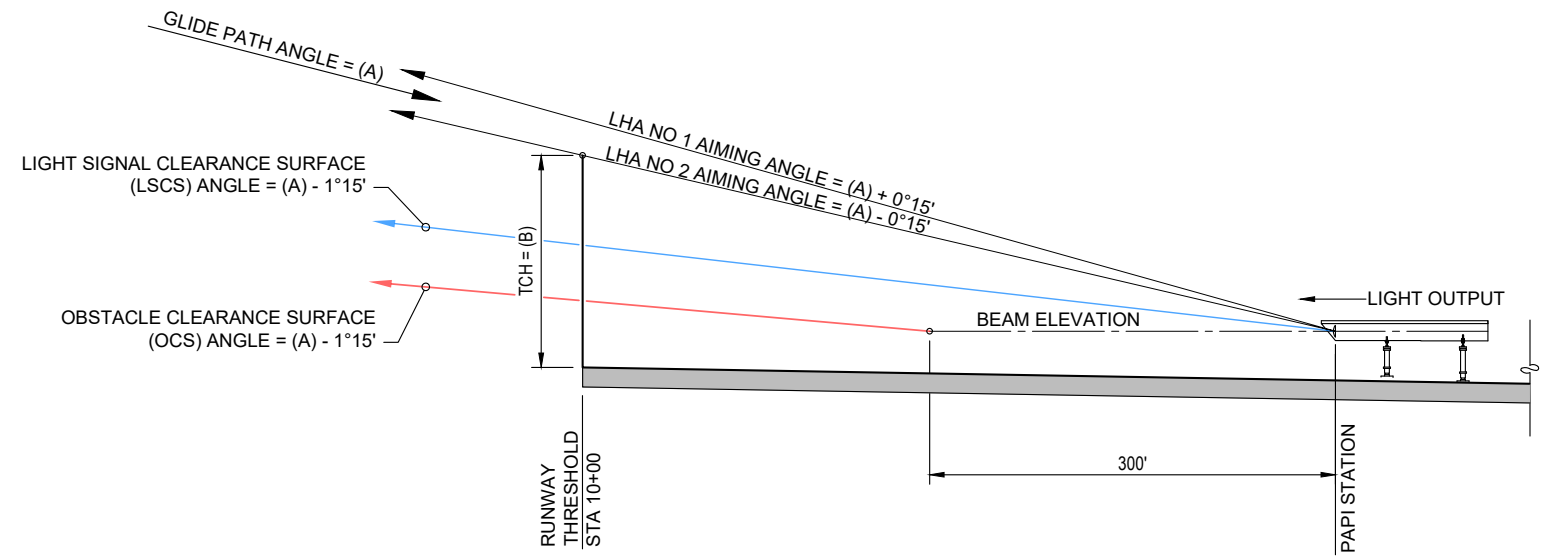
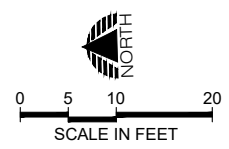


06/07/24 - 4:31pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A10400CAD\DWG\Sheets\ALB007-PAPI-Details.dwg



- NOTE:
1. ALL ELEMENTS OF WORK TO INSTALL RUNWAY 16 PAPI TO BE PAID UNDER THE L-881(L) RW 16 PAPI SYSTEM BID ITEM.
  2. CONTRACTOR SHALL INSTALL GRAVEL PAD SURROUNDING PAPI UNITS USING 1 1/2-0" DENSE GRADED BASE AGGREGATE MEETING SECTION 02630.10 OF THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION COMPACTED LEVEL. ALL EXCAVATION, GRADING, FABRIC PLACEMENT, AND COMPACTION SHALL BE CONSIDERED INCIDENTAL TO THE L-881 PAPI SYSTEM BID ITEM.

**RUNWAY 16 PAPI LAYOUT DETAIL** 1  
NTS 18

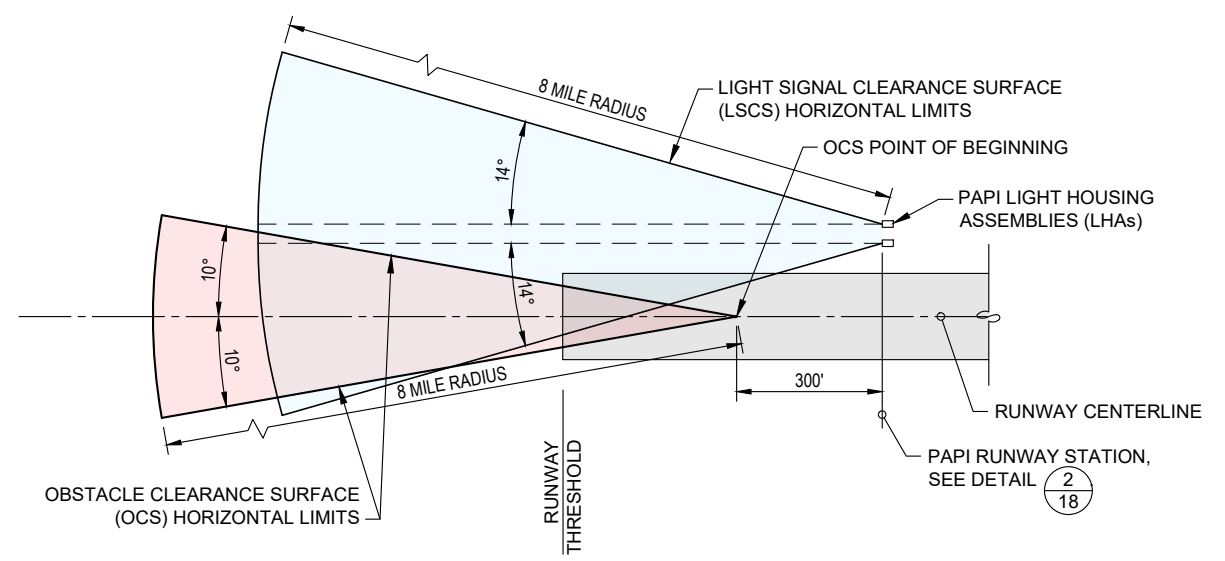


**PAPI DATA TABLE**

RUNWAY	GLIDE PATH ANGLE	TCH (B)	STATION	BEAM EL.
16	4°00'	20'	13+02.88	225.93'

NOTE: BEAM ELEVATION = RUNWAY CENTERLINE ELEVATION  
LHA = LIGHT HOUSING ASSEMBLY

**RUNWAY 16 PAPI ELEVATION DETAIL** 2  
NTS 18



**CLEARANCE SURFACE PLAN** 3  
NTS 18

**PRINT IN COLOR**  
THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. PRINTING IN BLACK AND WHITE MAY REDUCE READABILITY AND ALTER ENTITY DEFINITION OR REPRESENTATION.

**PRECISION APPROACH ENGINEERING**  
5125 Southwest Hout Street  
Corvallis, OR 97333  
541•754•0043

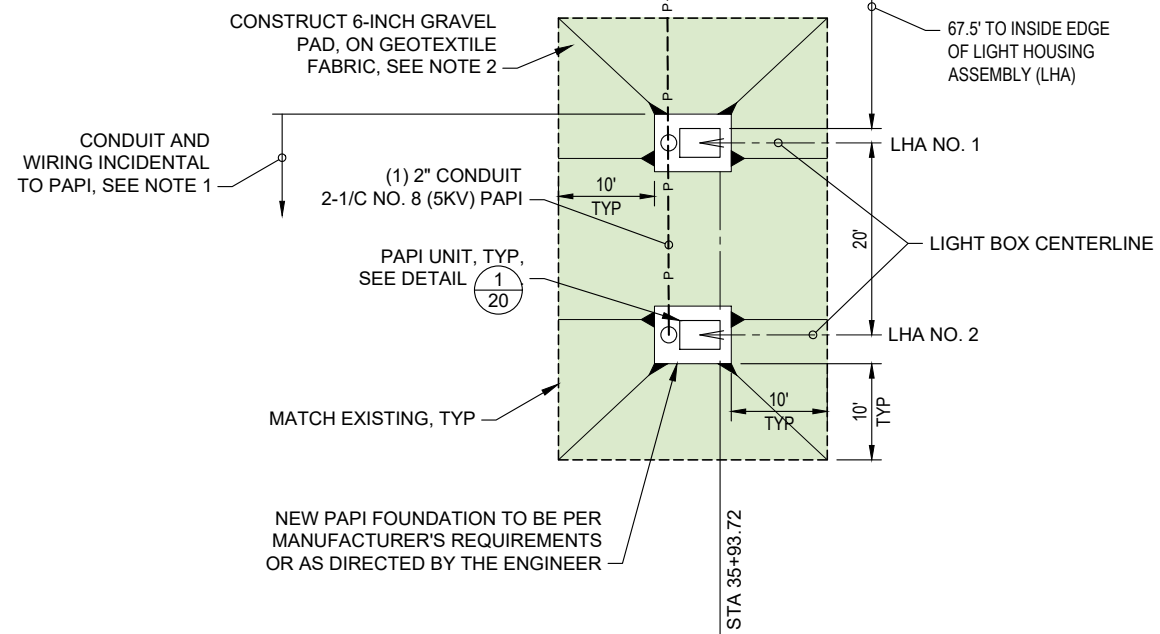
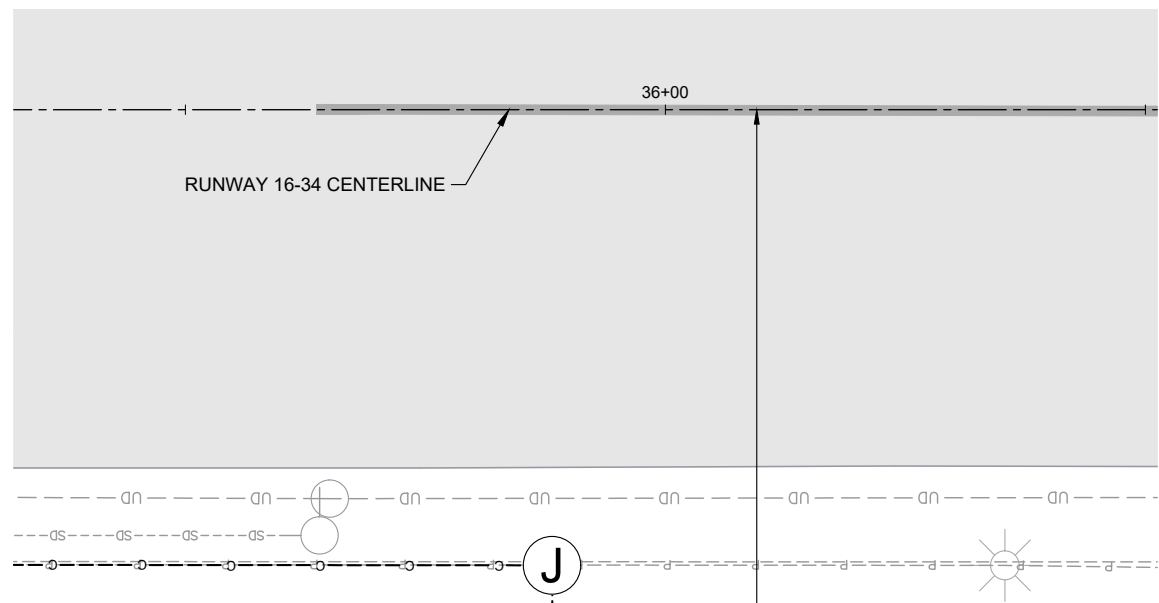
REGISTERED PROFESSIONAL ENGINEER  
72693PE  
DIGITALLY SIGNED  
OREGON  
JUNE 14, 2007  
GEOFF W. VAUGHN  
EXPIRES 6/30/2024

REVISIONS:	DATE	APPD.

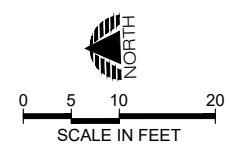
DATE: JUN 2024  
DESIGN: GWV  
DRAWN: JAW  
CHECKED: GWV  
REVISION NUMBER: 0  
SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  
**RUNWAY 16 PAPI INSTALLATION DETAILS**  
PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

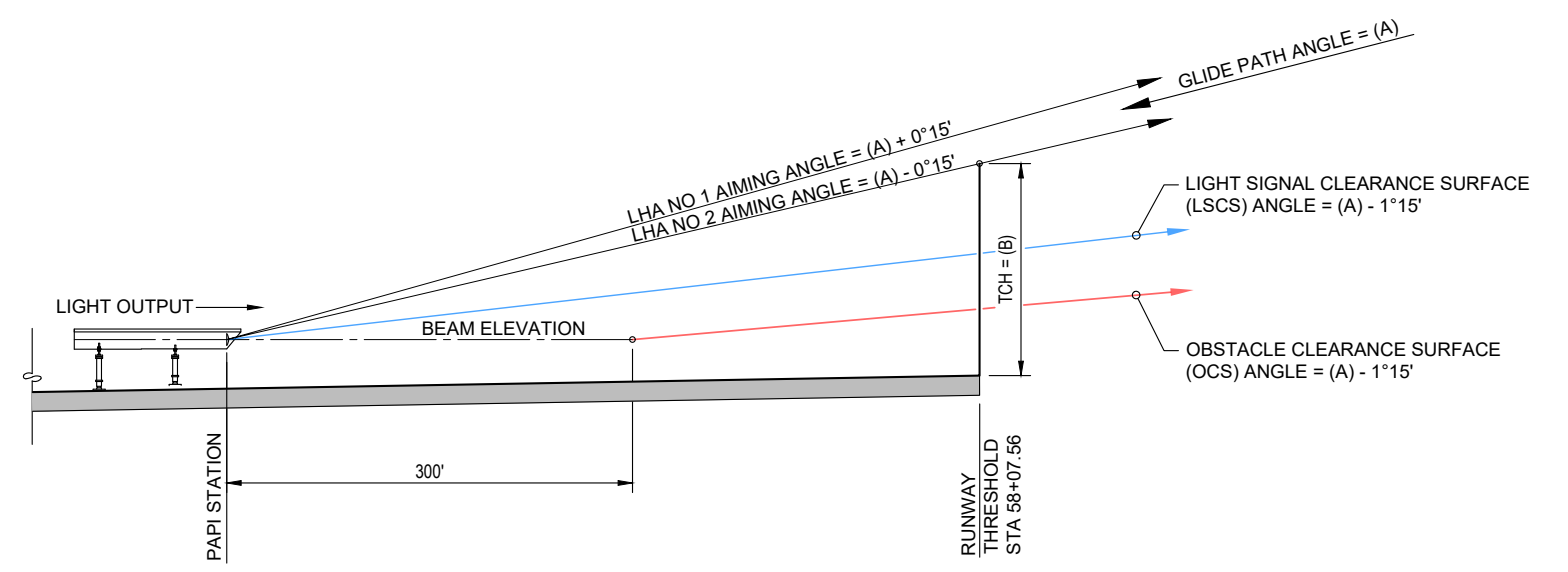
PROJECT NUMBER:  
**ALB007**  
SHEET NO.  
**18**  
OF **28**



- NOTE:
1. ALL ELEMENTS OF WORK TO INSTALL RUNWAY 34 PAPI TO BE PAID UNDER THE L-881(L) RW 34 PAPI SYSTEM BID ITEM.
  2. CONTRACTOR SHALL INSTALL GRAVEL PAD SURROUNDING PAPI UNITS USING 1 1/2-0" DENSE GRADED BASE AGGREGATE MEETING SECTION 02630.10 OF THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION COMPACTED LEVEL. ALL EXCAVATION, GRADING, FABRIC PLACEMENT, AND COMPACTION SHALL BE CONSIDERED INCIDENTAL TO THE L-881 PAPI SYSTEM BID ITEM.



**RUNWAY 34 PAPI LAYOUT DETAIL** 1/19  
NTS

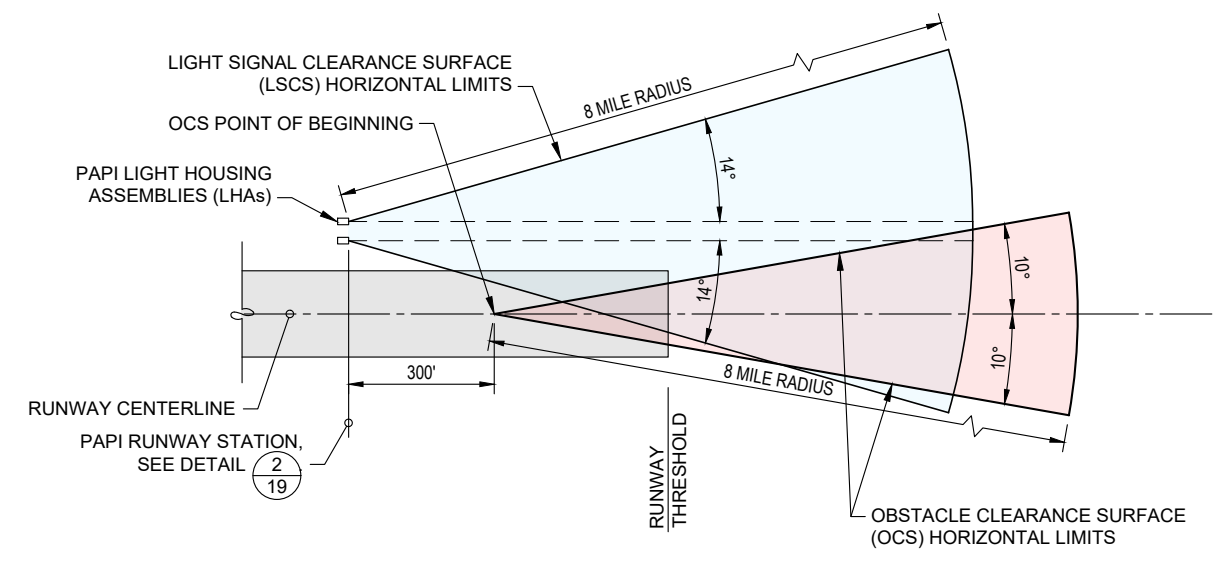


**PAPI DATA TABLE**

RUNWAY	GLIDE PATH ANGLE (A)	TCH (B)	STATION	BEAM EL.
34	4°00'	27'	35+93.72	226.41

NOTE: BEAM ELEVATION = RUNWAY CENTERLINE ELEVATION  
LHA = LIGHT HOUSING ASSEMBLY

**RUNWAY 34 PAPI ELEVATION DETAIL** 2/19  
NTS



**CLEARANCE SURFACE PLAN** 3/19  
NTS

**PRINT IN COLOR**

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**PRECISION APPROACH ENGINEERING**

5125 Southwest Hout Street  
Corvallis, OR 97333  
541•754•0043

REGISTERED PROFESSIONAL ENGINEER  
72693PE  
DIGITALLY SIGNED  
OREGON  
JUNE 14, 2007  
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ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

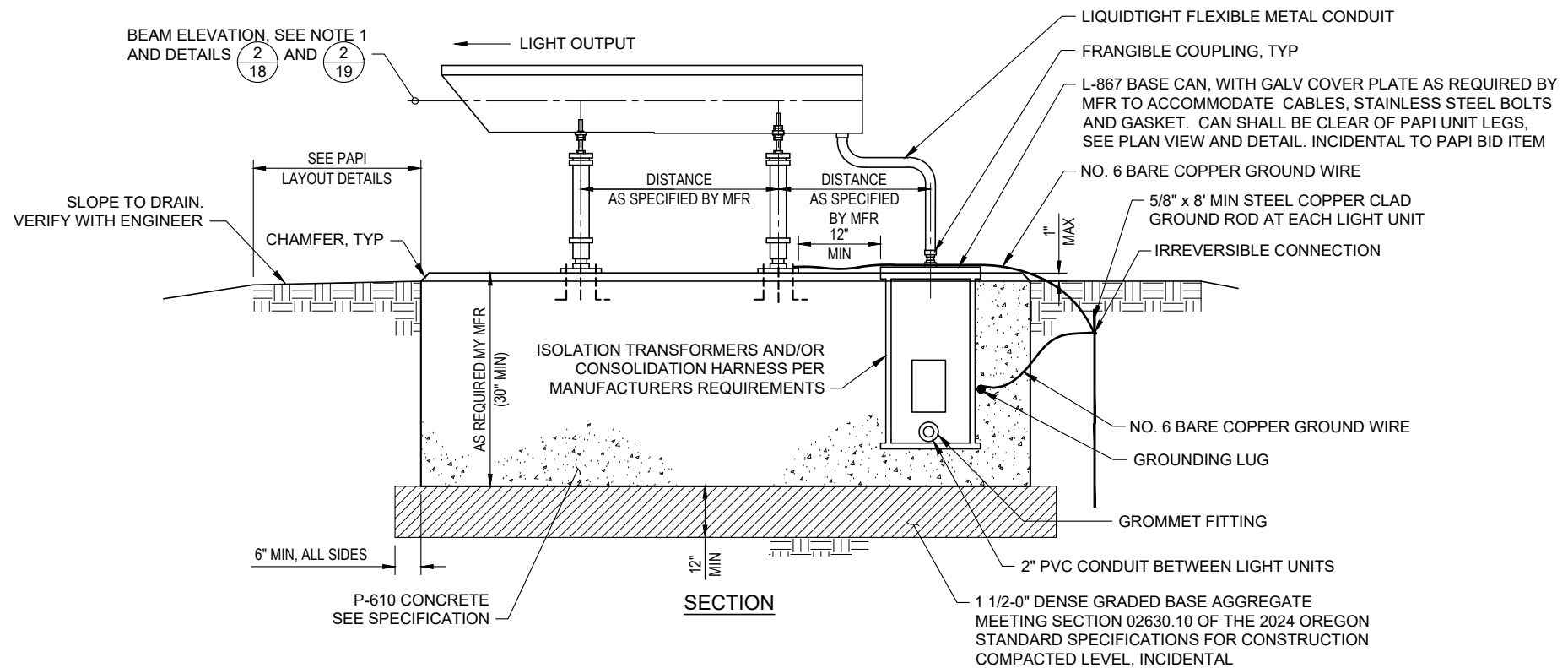
**RUNWAY 34 PAPI INSTALLATION DETAILS**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

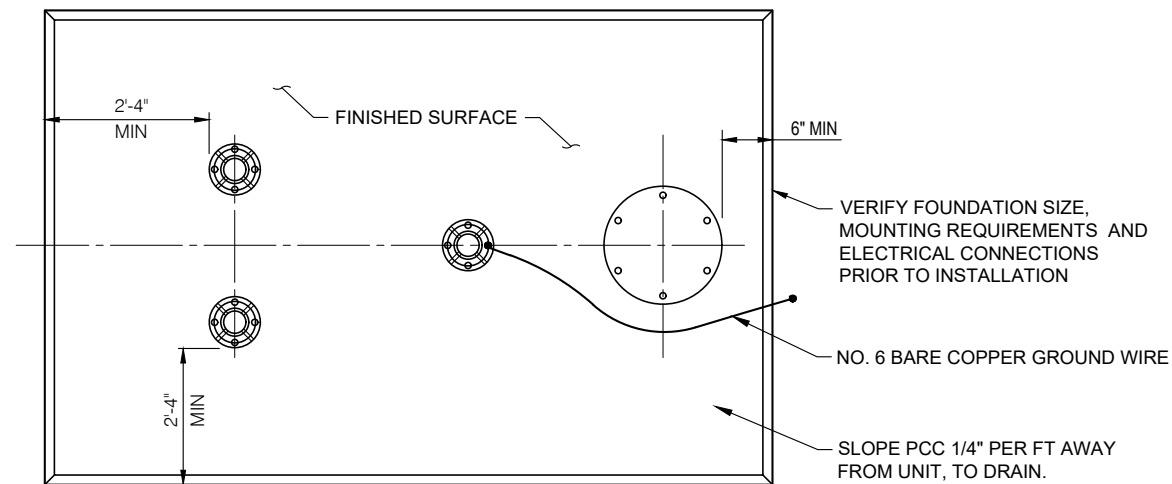
SHEET NO.  
**19**  
OF **28**

06/07/24 - 4:31pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A1040CAD\DWG\Sheets\ALB007-PAPI-Details.dwg



NOTES:

1. VERIFY BEAM ELEVATIONS WITH ENGINEER PRIOR TO INSTALLATION OF PAPI UNITS. ADJUSTMENTS MIGHT BE NECESSARY FOR COMPATIBLE LENGTH OF MOUNTING LENS.
2. LIGHT UNITS SHALL BE AIMED PER PAPI LAYOUT DETAIL.
3. AZIMUTH AIMING: EACH UNIT SHALL BE AIMED OUTWARD INTO THE APPROACH ZONE ON A LINE PARALLEL TO THE RUNWAY CENTER LINE WITHIN A TOLERANCE OF ± 1/2 DEGREE.
4. MOUNTING HEIGHT TOLERANCES: THE BEAM CENTERS OF ALL LIGHT UNITS SHALL BE WITHIN ±1" OF A HORIZONTAL PLANE.
5. TOLERANCE ALONG LINE PERPENDICULAR TO RUNWAY: THE FRONT FACE OF EACH LIGHT UNIT IN A BAR SHALL BE LOCATED ON A LINE PERPENDICULAR TO THE RUNWAY CENTER LINE WITHIN ±6".
6. ALL HARDWARE SHALL BE STAINLESS STEEL. ALL MACHINE THREADED CONNECTIONS SHALL HAVE ANTI-SEIZE COMPOUND.
7. ALL ELECTRICAL WORK AND MATERIALS, STARTING AT LIGHT HOUSING ASSEMBLY NO.1, INCLUDING EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO PAPI SYSTEM BID ITEM(S) UNLESS OTHERWISE NOTED.
8. REMOVAL OF EXISTING VASI'S AND THEIR STRUCTURES PAID UNDER DEMOLITION BID ITEM. SEE DEMOLITION PLAN.
9. PAINT LIQUID TIGHT FLEXIBLE METAL CONDUIT WITH BLACK PVC PAINT SUITABLE FOR OUTDOOR USE TO PROVIDE ADDITIONAL UV RESISTANCE.
10. PAPI SYSTEM TO BE FAA L-881(L), STYLE A (240VAC), CLASS 1. POWER AND CONTROL UNIT TO BE LOCATED ADJACENT TO LIGHT UNITS.



PAPI UNIT DETAIL

1  
20

**PRECISION APPROACH**  
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SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

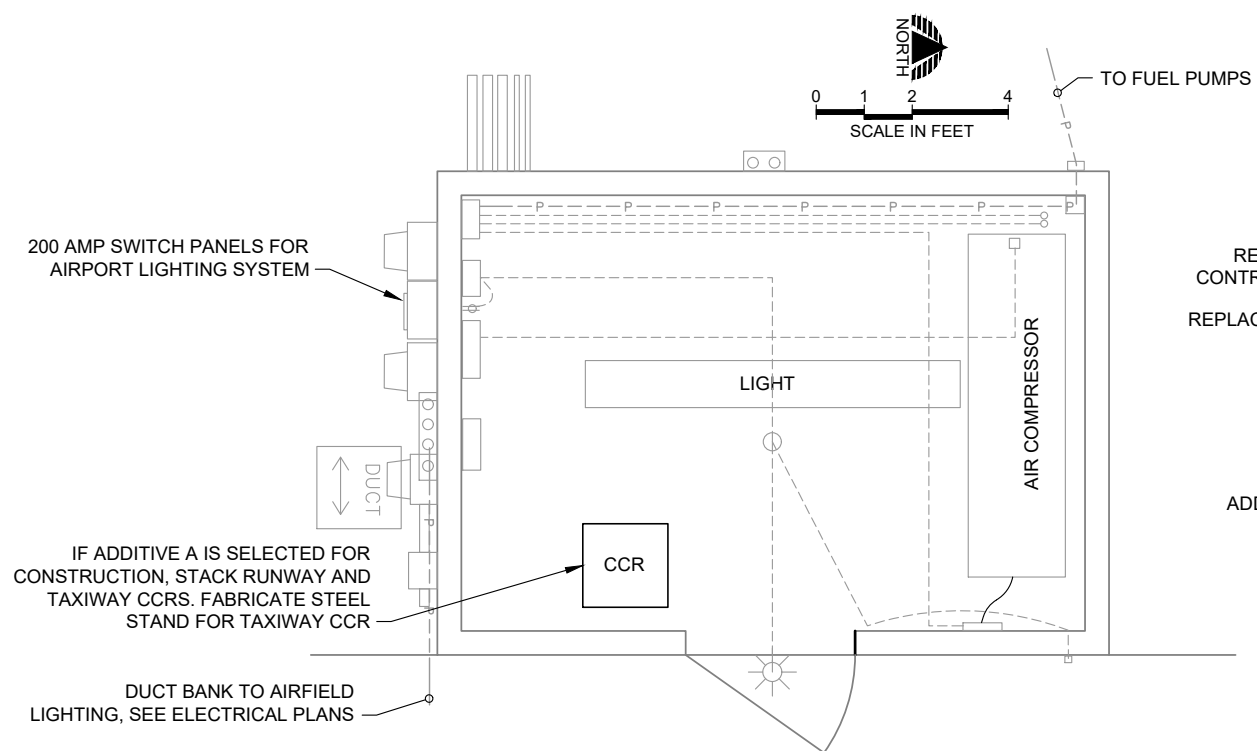
**PAPI INSTALLATION DETAILS**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

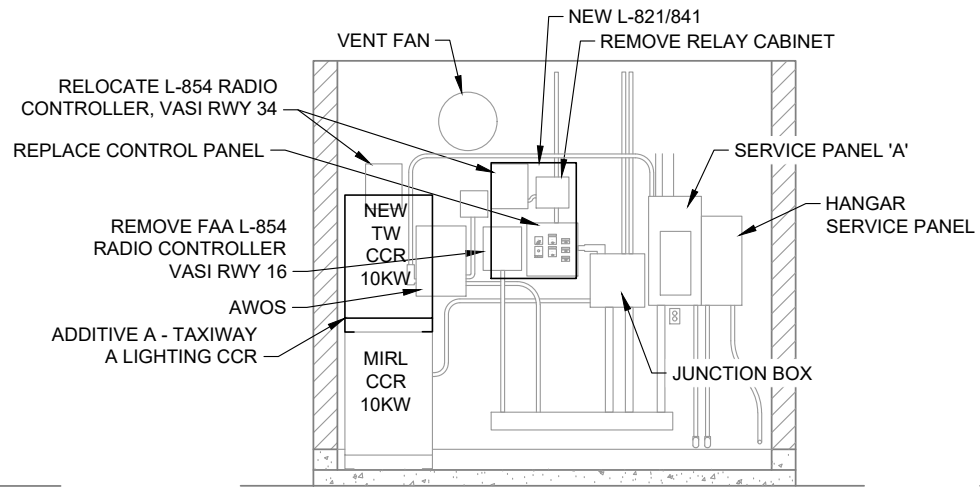
PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**20**  
OF **28**

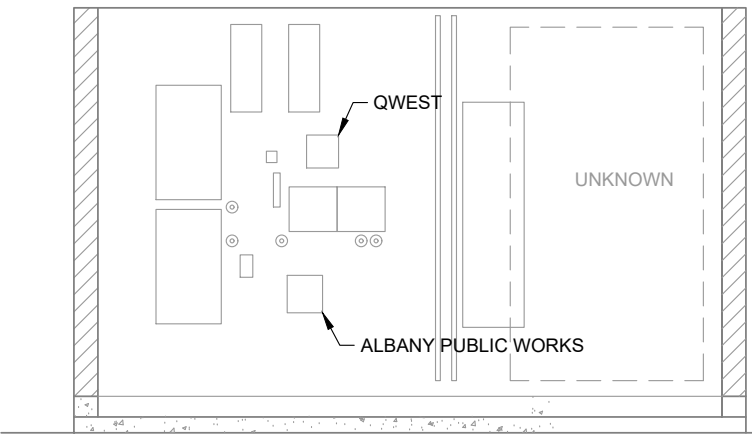
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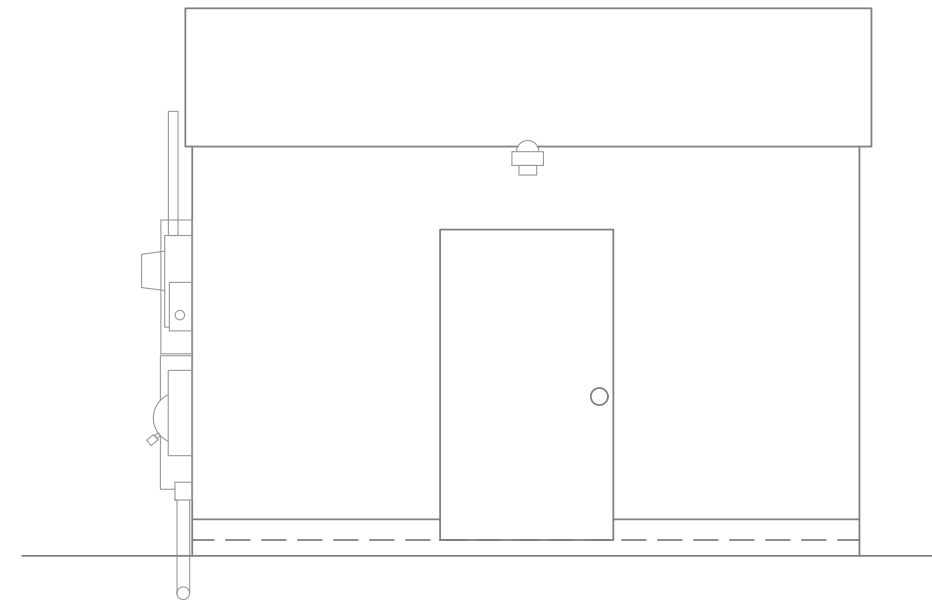
**ELECTRICAL EQUIPMENT BUILDING, PLAN VIEW**



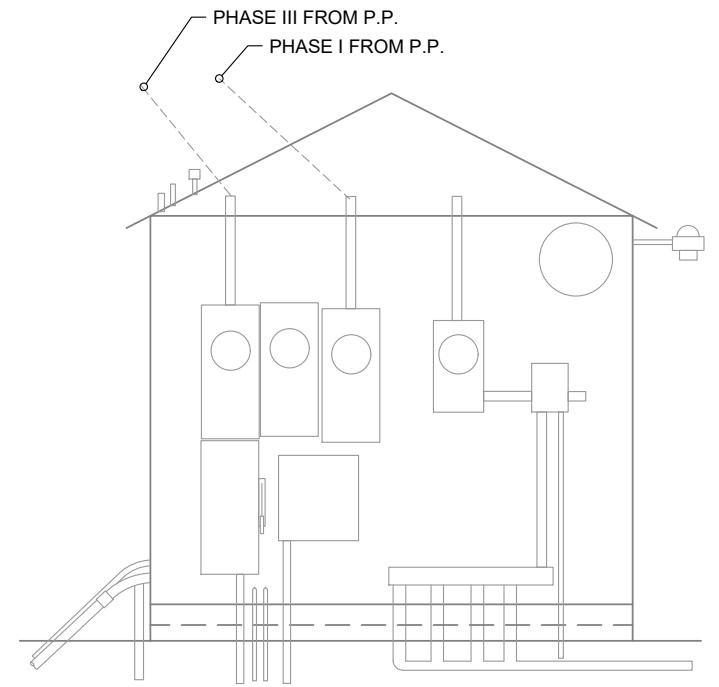
**SOUTH WALL - INTERIOR ELEVATION**



**WEST WALL - INTERIOR ELEVATION**



**EAST WALL - EXTERIOR ELEVATION**

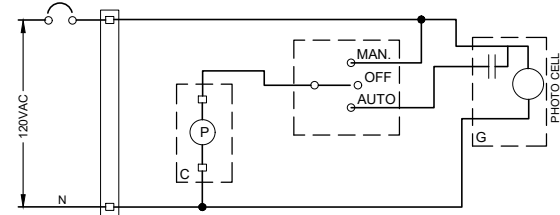


**SOUTH WALL - EXTERIOR ELEVATION**

	 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043			DATE: JUN 2024	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING	PROJECT NUMBER: <b>ALB007</b>
				DESIGN: GWV		<b>ELECTRICAL EQUIPMENT BUILDING DETAILS</b>
				DRAWN: JAW	PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	OF <b>28</b>
				CHECKED: GWV		
				REVISION NUMBER: 0		
				SCALE: AS SHOWN		
				REVISIONS: _____ DATE _____ APPD. _____		



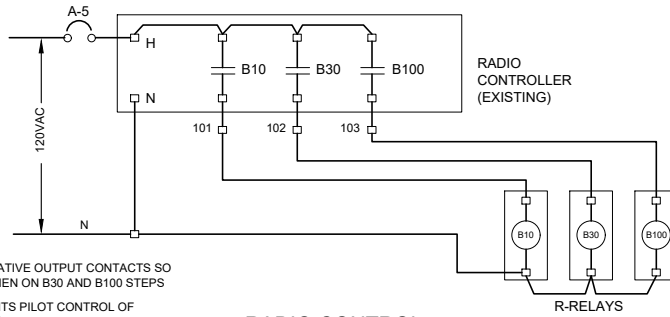
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TO OPERATE LIGHTS DURING THE DAY.  
SET PHOTO SWITCH CONTROL TO MANUAL.

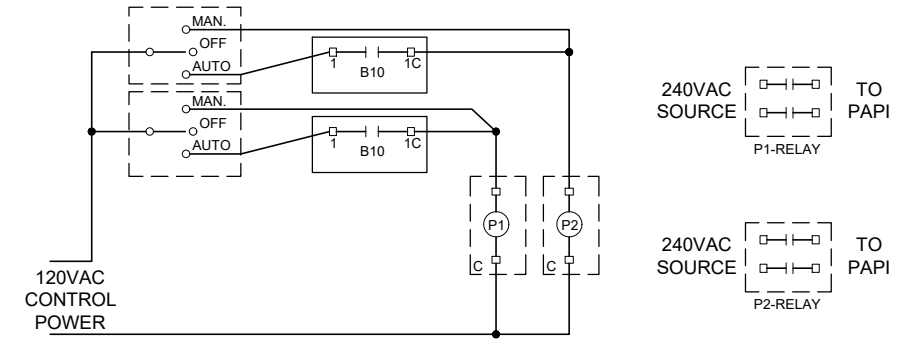
PHOTO ELECTRIC CONTROL

USE PE CELL THAT TURNS ON AT 35FC  
AND OFF AT 60FC

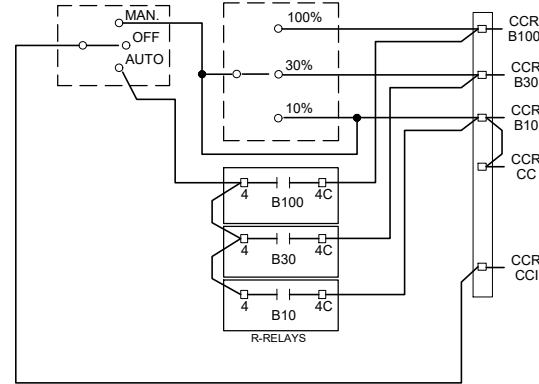


SET PCR TO CUMULATIVE OUTPUT CONTACTS SO  
B10 IS RETAINED WHEN ON B30 AND B100 STEPS  
P-CONTACT PREVENTS PILOT CONTROL OF  
LIGHTS DURING DAY

RADIO CONTROL

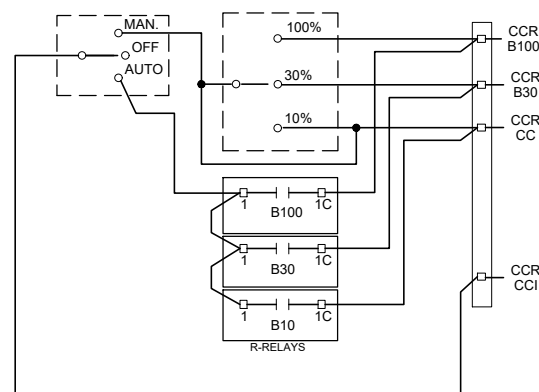


PAPI CONTROL



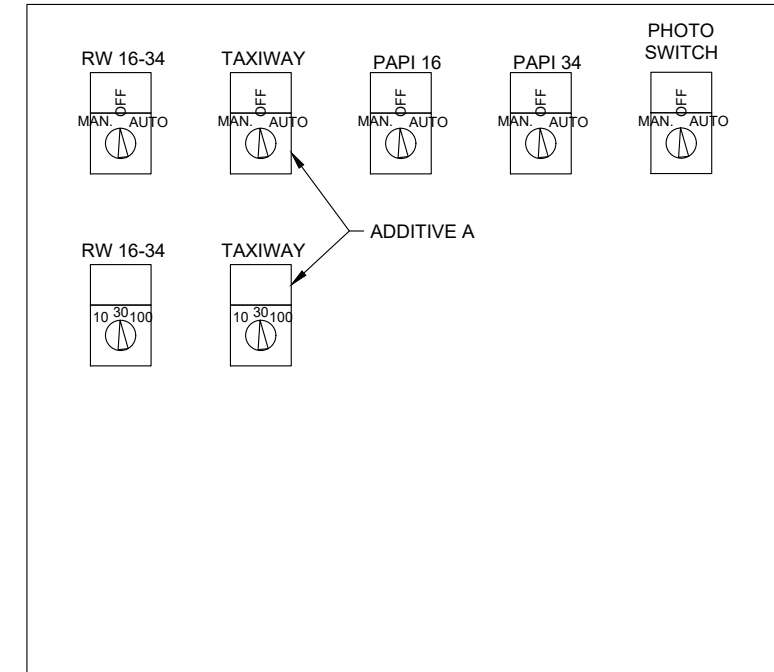
ADDITIVE A - TAXIWAY LIGHTS

CROUSE-HINDS  
REGULATOR



RW1634 MIRL

ADB  
REGULATOR



**CONTROL NOTES:**

1. VERIFY PROPER OPERATION OF ANY EQUIPMENT RECONNECTED BY WORK.
2. LABEL ALL CONTROL WIRES, BOTH ENDS, WITH OPPOSITE END TERMINAL.
3. WHERE REGULATORS HAVE TAPS, VERIFY THAT TAP PROPERLY SET FOR LOAD.
4. SLIGHT MODIFICATION OF THE CONTROL WIRING MAY BE NEEDED TO ASSURE PROPER OPERATION OF THE CONTROL.

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**PRECISION APPROACH**  
ENGINEERING  
5125 Southwest Hout Street  
Corvallis, OR 97333  
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ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**ELECTRICAL EQUIPMENT  
BUILDING DETAILS**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**22**  
OF **28**

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ALBANY AIRPORT EEB ELECTRIC PANEL  
120/240V, 1PH, 3W, 200A

CT NO	LOAD	CB	LOAD	L1	L2	LOAD	CB	LOAD	CT NO
1	J BOX NE CORNER	20	10	15		5	20	RECEPTACLES	2
3	"	20	10		20	10	20	BEACON	4
5	VENT FAN, LIGHTS	20	5	10		5	20	WIND CONE	6
7	SPARE	20	0		5	5	20	"	8
9	"	20	0	45		45	70	R/W MIRL CCR	10
11	NORTH REIL	20	5		50	45	70	"	12
13	"	20	5	6		1	15	CONTROL POWER	14
15	AWOS (NEW)	60	6		16	10	30	GATE PANEL	16
17	"	60	6	16		10	30	"	18
19	PAPI 16	20	1		46	45	70	T/W CCR	20
21	"	20	1	46		45	70	"	22
23	PAPI 34	20	1		1			SPACE	24
25	"	20	1	1				SPACE	26
27		SPACE			0			SPACE	28
29		SPACE		0				SPACE	30
			Total	139	138				

AWOS POWER	WATTS
RADIO	10
WIND SENSOR	0.5
WIND SENSOR HEATER	72
DATA PLATFORM	100
RAIN GAUGE HEATER	300
LASER CEILEOMETER	100
LASER HEATER	500
VISIBILITY SENSOR	200
RADIO	2
TOTAL	1285

ADDITIVE A IMPROVEMENTS

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ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

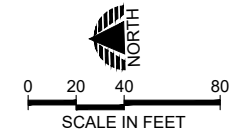
**ELECTRICAL PANEL DETAILS**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**23**

OF **28**



**ELECTRICAL CONSTRUCTION NOTES**

- 1 INSTALL JUNCTION CAN, SEE DETAIL <sup>1</sup>/<sub>17</sub>
- 2 INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL <sup>2</sup>/<sub>17</sub>
- 3 REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
- 4 EXPOSE AND CONNECT TO EXISTING CONDUIT
- 5 PROTECT EXISTING CIRCUITS DURING CONSTRUCTION
- 6 INSTALL NEW LED TAXIWAY EDGE LIGHT ON NEW BASE CAN, FOR LOCATION SEE POINT TABLE, SHEET 27, AND SEE DETAIL <sup>1</sup>/<sub>28</sub>
- 7 REMOVE EXISTING LIGHT FROM RUNWAY CIRCUIT AND CONNECT TO TAXIWAY CIRCUIT. PULL NEW CONDUCTOR FOR RUNWAY CIRCUIT, NO SPLICE WITHIN TAXIWAY LIGHT BASE CAN. INSTALL NEW LED TAXIWAY EDGE LIGHT FIXTURE ON EXISTING BASE CAN, SIMILAR TO DETAIL <sup>1</sup>/<sub>28</sub>
- 8 CROSS DIRECTIONAL BORE, SEE DETAIL <sup>3</sup>/<sub>28</sub>

**NOTES**

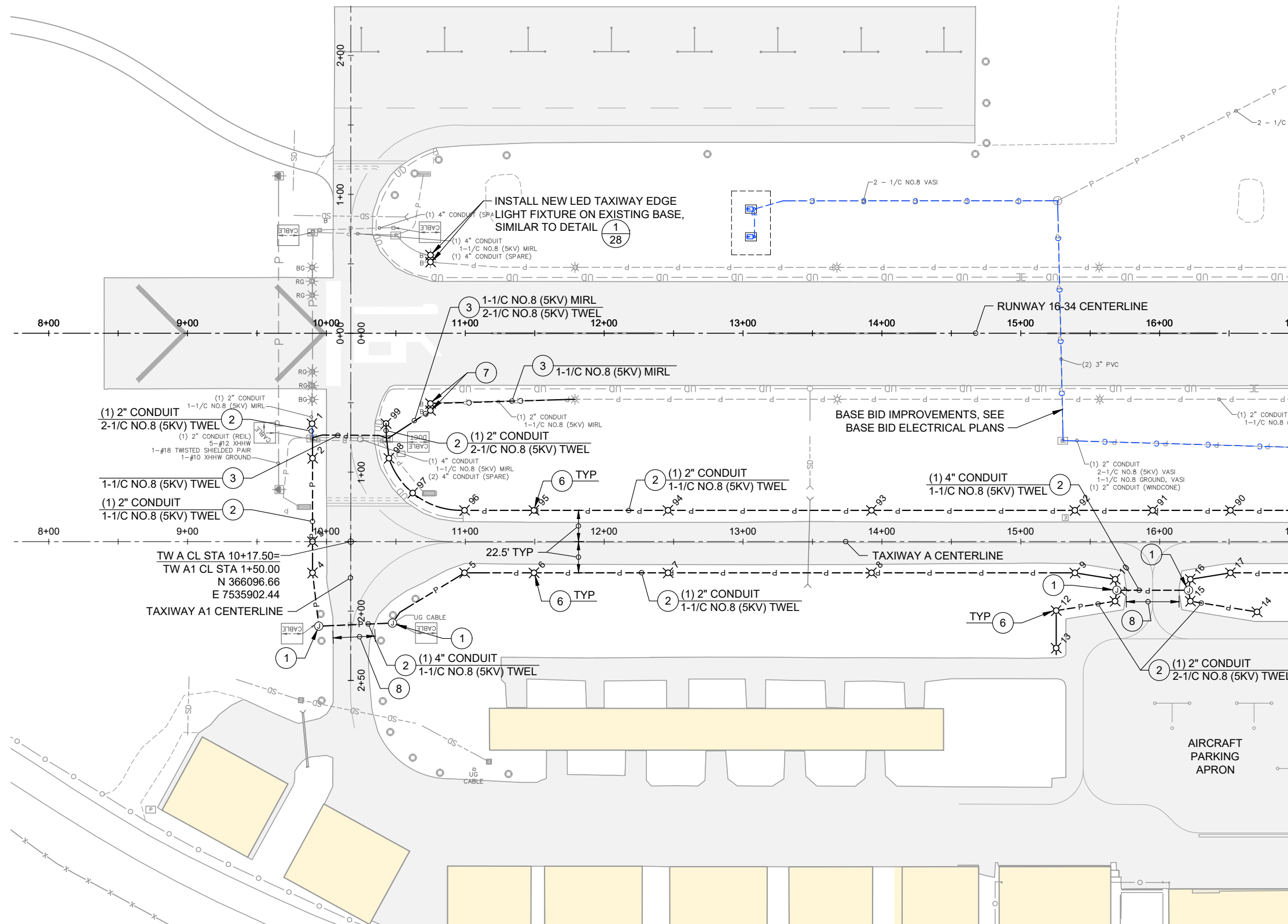
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2. PARALLEL CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH.
3. HOMERUN TO EEB SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF SPLICES POSSIBLE, VERIFY WITH RPR.

**ELECTRICAL LEGEND**

- C --- NEW CIRCUITS TO BE PLACED IN EXISTING CONDUIT, REPLACE EXISTING CIRCUITS IN CONDUITS AS INDICATED
- P --- NEW CONDUITS WITH NEW CIRCUITS, AND/OR NEW SPARE CONDUITS
- (1) 2" <sup>4</sup> INDICATES NUMBER OF NEW CONDUITS AND SIZE

**CIRCUIT LEGEND**

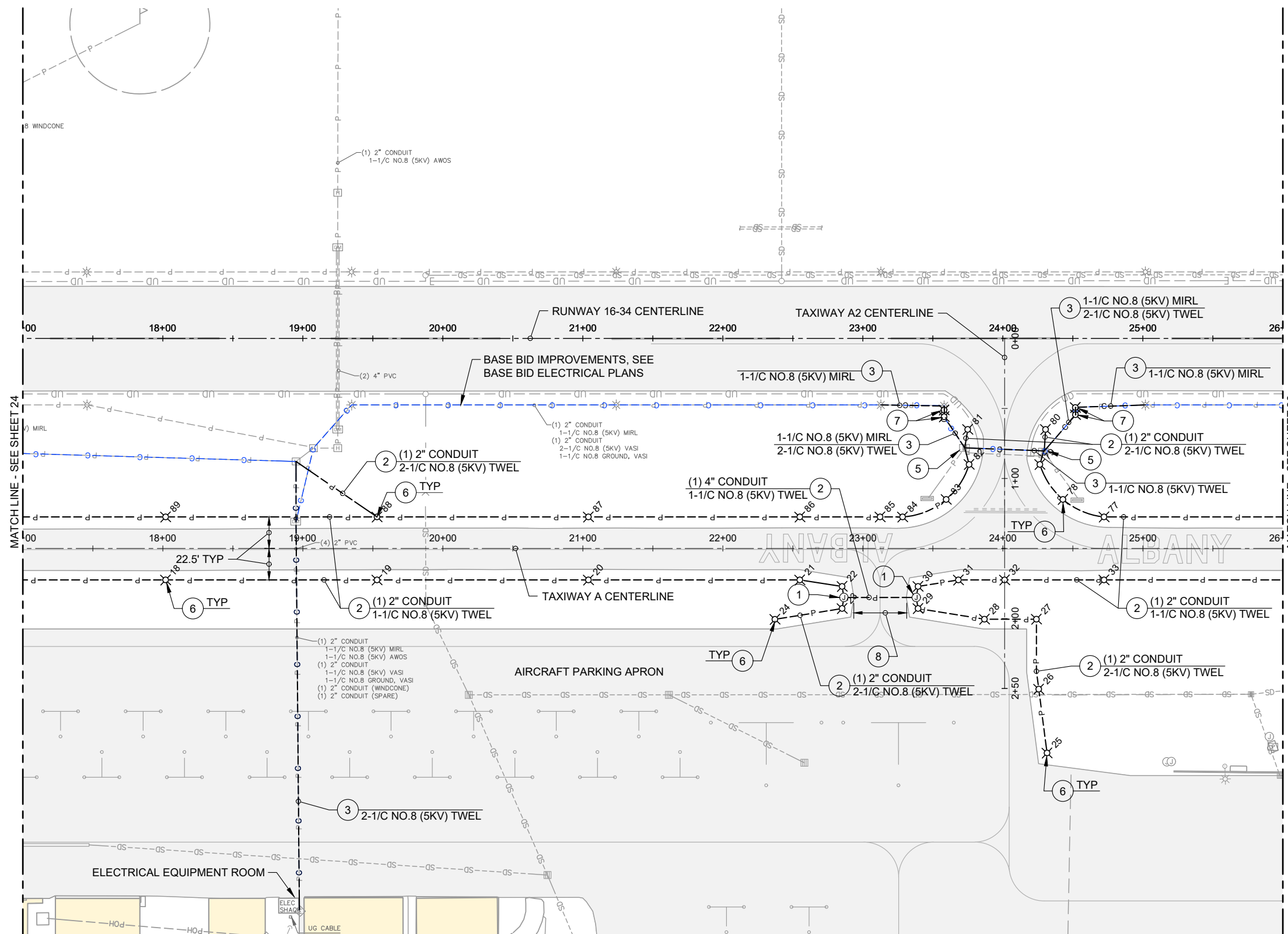
ABBREVIATION	DESCRIPTION
RWEL	RUNWAY EDGE LIGHTS AND SIGNS
TWEL	TAXIWAY EDGE LIGHTS
AWOS	AWOS POWER SUPPLY
VASI	VASI POWER SUPPLY (PORTIONS TO BE REUSED FOR PAPI)
PAPI	PAPI POWER SUPPLY



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	 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043		REVISIONS:	DATE	APPD.	DATE: JUN 2024	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING  <b>ELECTRICAL PLAN - ADDITIVE A</b>  PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b>
						DRAWN: JAW		CHECKED: GWV
						SCALE: AS SHOWN	OF <b>28</b>	

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**ELECTRICAL CONSTRUCTION NOTES**

- 1 INSTALL JUNCTION CAN, SEE DETAIL 1/17
- 2 INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL 2/17
- 3 REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
- 4 EXPOSE AND CONNECT TO EXISTING CONDUIT
- 5 PROTECT EXISTING CIRCUITS DURING CONSTRUCTION
- 6 INSTALL NEW LED TAXIWAY EDGE LIGHT ON NEW BASE CAN, FOR LOCATION SEE POINT TABLE, SHEET 27, AND SEE DETAIL 1/28
- 7 REMOVE EXISTING LIGHT FROM RUNWAY CIRCUIT AND CONNECT TO TAXIWAY CIRCUIT. PULL NEW CONDUCTOR FOR RUNWAY CIRCUIT, NO SPLICE WITHIN TAXIWAY LIGHT BASE CAN. INSTALL NEW LED TAXIWAY EDGE LIGHT FIXTURE ON EXISTING BASE CAN, SIMILAR TO DETAIL 1/28
- 8 CROSS DIRECTIONAL BORE, SEE DETAIL 3/28

**NOTES**

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2. PARALLEL CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH.
3. HOMERUN TO EEB SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF SPLICES POSSIBLE, VERIFY WITH RPR.

**ELECTRICAL LEGEND**

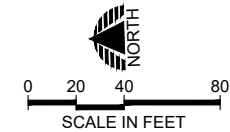
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**CIRCUIT LEGEND**

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	<p><b>PRECISION APPROACH</b> ENGINEERING 5125 Southwest Hout Street Corvallis, OR 97333 541•754•0043</p>		<p>REVISIONS: _____ DATE APPD. _____</p>	<p>DATE: JUN 2024 DESIGN: GWV DRAWN: JAW CHECKED: GWV REVISION NUMBER: 0 SCALE: AS SHOWN</p>	<p>ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING</p> <p><b>ELECTRICAL PLAN - ADDITIVE A</b></p> <p>PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024</p>	<p>PROJECT NUMBER: <b>ALB007</b></p> <p>SHEET NO. <b>25</b> OF <b>28</b></p>
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**ELECTRICAL CONSTRUCTION NOTES**

- 1 INSTALL JUNCTION CAN, SEE DETAIL <sup>1</sup>/<sub>17</sub>
- 2 INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL <sup>2</sup>/<sub>17</sub>
- 3 REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
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- 8 CROSS DIRECTIONAL BORE, SEE DETAIL <sup>3</sup>/<sub>28</sub>

**NOTES**

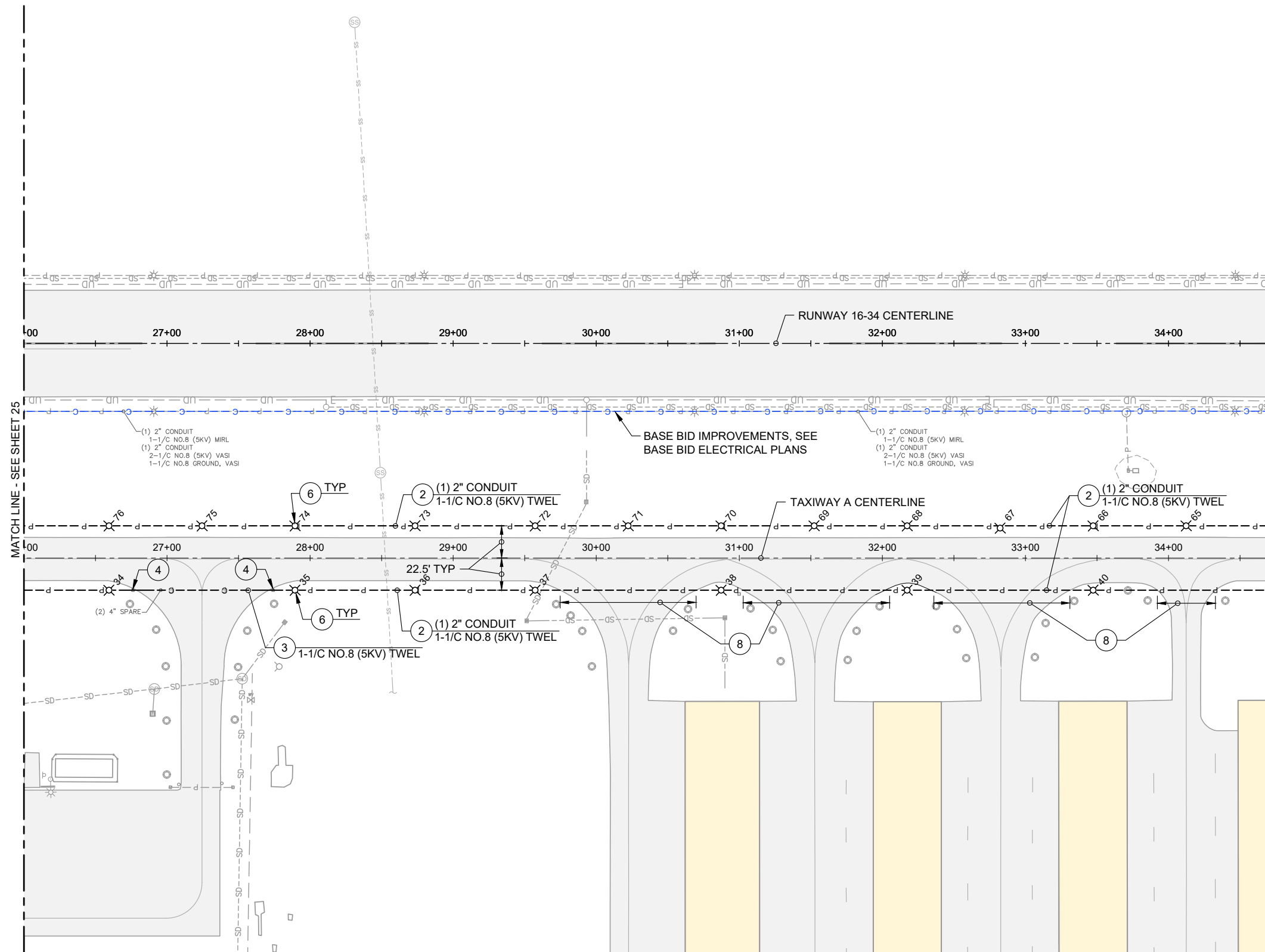
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**WiPoEn**

**PRECISION APPROACH ENGINEERING**  
 5125 Southwest Hout Street  
 Corvallis, OR 97333  
 541•754•0043

REVISIONS:	DATE	APPD.

DATE:	JUN 2024
DESIGN:	GWV
DRAWN:	JAW
CHECKED:	GWV
REVISION NUMBER:	0
SCALE:	AS SHOWN

ALBANY MUNICIPAL AIRPORT  
 INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

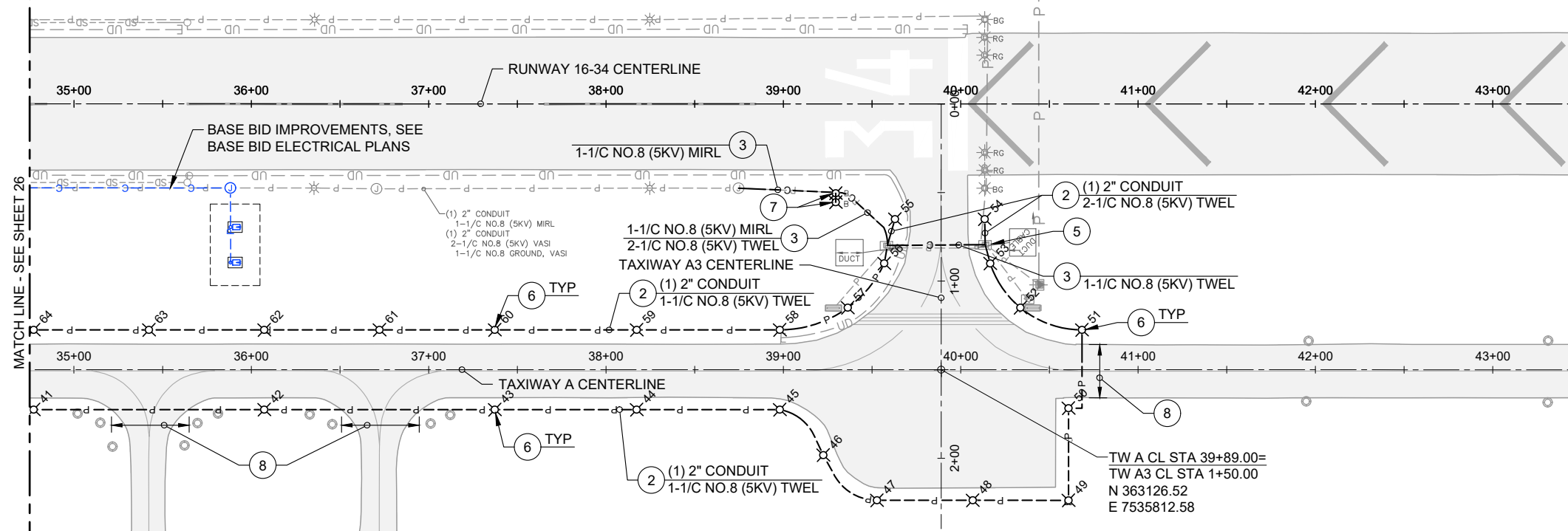
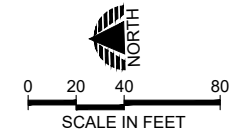
**ELECTRICAL PLAN - ADDITIVE A**

PRECISION APPROACH ENGINEERING, INC.  
 AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**26**

OF **28**



**ELECTRICAL CONSTRUCTION NOTES**

- 1 INSTALL JUNCTION CAN, SEE DETAIL 1/17
- 2 INSTALL CONDUIT, SIZE AS NOTED, SEE DETAIL 2/17
- 3 REMOVE EXISTING CABLE, IF PRESENT, AND INSTALL NEW CIRCUIT(S) IN EXISTING CONDUIT OR ELECTRICAL STRUCTURE, AS NOTED
- 4 EXPOSE AND CONNECT TO EXISTING CONDUIT
- 5 PROTECT EXISTING CIRCUITS DURING CONSTRUCTION
- 6 INSTALL NEW LED TAXIWAY EDGE LIGHT ON NEW BASE CAN, FOR LOCATION SEE POINT TABLE, SHEET 27, AND SEE DETAIL 1/28
- 7 REMOVE EXISTING LIGHT FROM RUNWAY CIRCUIT AND CONNECT TO TAXIWAY CIRCUIT. PULL NEW CONDUCTOR FOR RUNWAY CIRCUIT, NO SPLICE WITHIN TAXIWAY LIGHT BASE CAN. INSTALL NEW LED TAXIWAY EDGE LIGHT FIXTURE ON EXISTING BASE CAN, SIMILAR TO DETAIL 1/28
- 8 CROSS DIRECTIONAL BORE, SEE DETAIL 3/28

**NOTES**

- 1. ALL ELECTRICAL WORK SHALL OCCUR WITHIN THE CONSTRUCTION PHASES AS DEPICTED IN THE CONSTRUCTION PHASING PLAN. NO WORK SHALL BE DONE OUTSIDE THE CONSTRUCTION PHASE UNLESS APPROVED BY THE ENGINEER.
- 2. PARALLEL CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH.
- 3. HOMERUN TO EEB SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF SPLICES POSSIBLE, VERIFY WITH RPR.

**ELECTRICAL LEGEND**

- c --- NEW CIRCUITS TO BE PLACED IN EXISTING CONDUIT, REPLACE EXISTING CIRCUITS IN CONDUITS AS INDICATED
- p --- NEW CONDUITS WITH NEW CIRCUITS, AND/OR NEW SPARE CONDUITS
- (1) 2" 4 INDICATES NUMBER OF NEW CONDUITS AND SIZE

**CIRCUIT LEGEND**

ABBREVIATION	DESCRIPTION
RWEL	RUNWAY EDGE LIGHTS AND SIGNS
TWEL	TAXIWAY EDGE LIGHTS
AWOS	AWOS POWER SUPPLY
VASI	VASI POWER SUPPLY (PORTIONS TO BE REUSED FOR PAPI)
PAPI	PAPI POWER SUPPLY

**TAXIWAY LIGHT LOCATION TABLE**

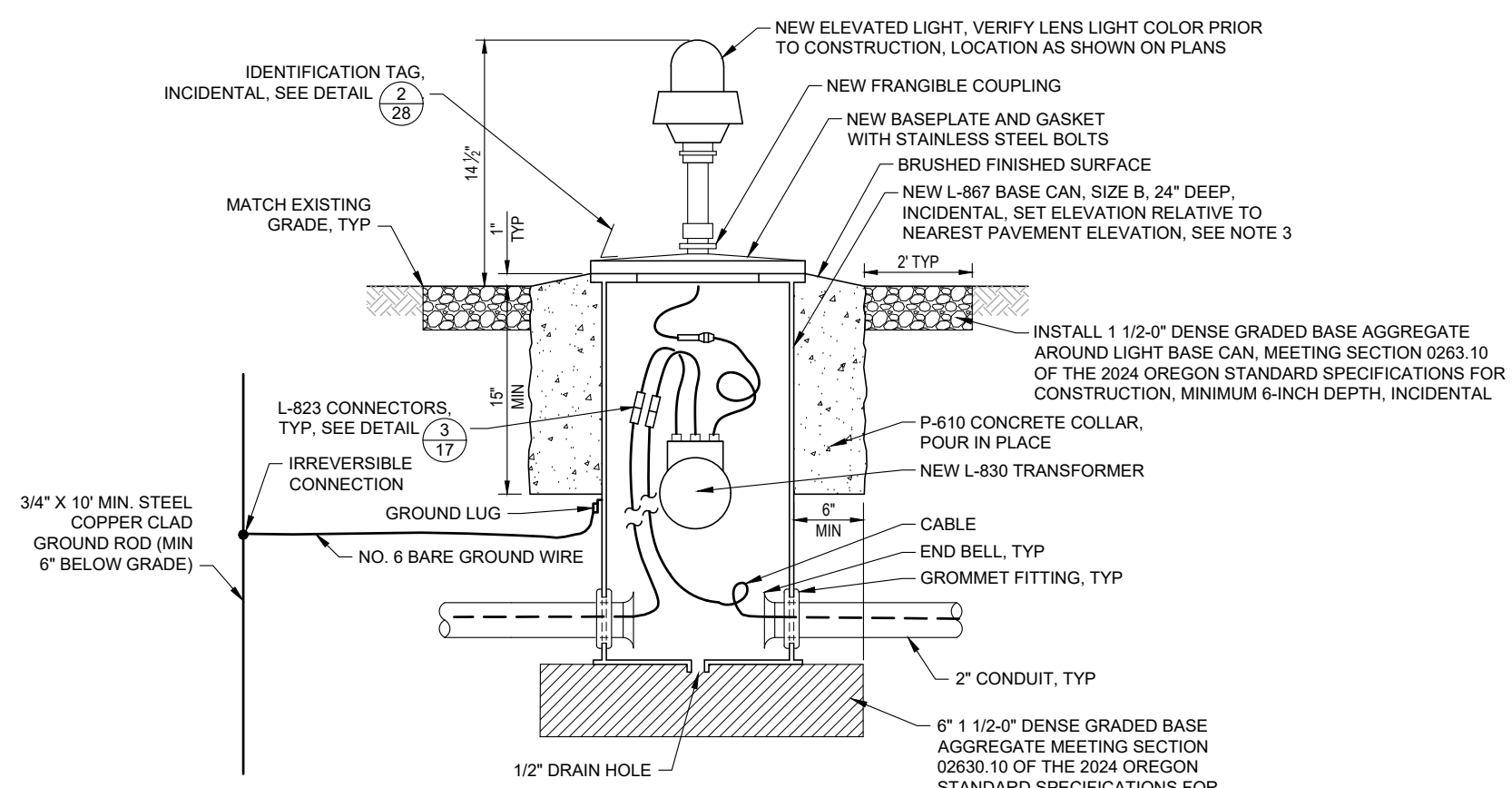
Point Table			Point Table			Point Table			Point Table			Point Table		
Point #	Northing	Easting	Point #	Northing	Easting	Point #	Northing	Easting	Point #	Northing	Easting	Point #	Northing	Easting
1	366121.9534	7535988.1377	21	364860.4076	7535842.5256	41	363638.6566	7535805.5601	61	363442.3849	7535844.6423	81	364737.2938	7535946.3498
2	366122.3327	7535963.2443	22	364830.3539	7535836.9864	42	363508.7161	7535801.6286	62	363507.3552	7535846.6080	82	364737.0705	7535921.3316
3	366124.1473	7535903.2717	23	364830.8310	7535821.2128	43	363378.7756	7535797.6971	63	363572.3255	7535848.5738	83	364754.1798	7535896.8378
4	366124.8277	7535880.7820	24	364879.0392	7535814.9696	44	363298.8122	7535795.2777	64	363637.2957	7535850.5395	84	364785.6857	7535885.2854
5	366015.3987	7535877.4711	25	364687.6663	7535713.6462	45	363218.1592	7535792.8375	65	363702.2660	7535852.5053	85	364801.7562	7535885.7716
6	365965.4216	7535875.9590	26	364692.2033	7535759.4115	46	363194.4158	7535766.4571	66	363767.2363	7535854.4710	86	364859.0467	7535887.5050
7	365868.9657	7535873.0406	27	364692.3431	7535809.4113	47	363164.9447	7535740.0319	67	363832.2065	7535856.4368	87	365009.9777	7535892.0716
8	365722.5327	7535868.6101	28	364729.4397	7535810.5332	48	363110.9694	7535738.3988	68	363897.1768	7535858.4025	88	365160.9086	7535896.6382
9	365576.0997	7535864.1796	29	364776.6365	7535819.5738	49	363056.9941	7535736.7657	69	363962.1471	7535860.3683	89	365311.8395	7535901.2047
10	365547.3484	7535858.6723	30	364776.1595	7535835.3474	50	363055.4215	7535788.7419	70	364027.1173	7535862.3340	90	365462.7705	7535905.7713
11	365547.8255	7535842.8988	31	364747.1839	7535839.0999	51	363046.5019	7535832.6644	71	364092.0876	7535864.2998	91	365518.7505	7535907.4651
12	365590.4020	7535837.3849	32	364714.2262	7535838.1027	52	363080.8391	7535846.2090	72	364157.0579	7535866.2655	92	365574.7388	7535909.1591
13	365591.2169	7535810.4428	33	364643.2431	7535835.9550	53	363097.0869	7535871.7121	73	364240.9402	7535868.8035	93	365721.1718	7535913.5896
14	365445.8858	7535832.1142	34	364456.1032	7535830.2929	54	363099.4450	7535896.7948	74	364324.8018	7535871.3408	94	365867.6048	7535918.0201
15	365493.6310	7535841.2598	35	364326.1627	7535826.3614	55	363149.9860	7535898.3240	75	364389.7721	7535873.3066	95	365964.0607	7535920.9384
16	365493.1540	7535857.0333	36	364242.3011	7535823.8241	56	363156.7951	7535873.5186	76	364454.7423	7535875.2723	96	366014.2312	7535923.1778
17	365464.1314	7535860.7919	37	364158.4188	7535821.2861	57	363178.1136	7535849.1522	77	364461.8822	7535880.9344	97	366051.0381	7535936.0758
18	365313.2004	7535856.2253	38	364028.4783	7535817.3546	58	363216.7983	7535837.8169	78	364670.8387	7535894.3163	98	366067.3240	7535961.5799
19	365162.2695	7535851.6587	39	363898.5377	7535813.4231	59	363297.4513	7535840.2572	79	364686.5692	7535919.8036	99	366068.6958	7535986.6329
20	365011.3386	7535847.0922	40	363768.5972	7535809.4916	60	363377.4147	7535842.6765	80	364681.7445	7535944.6691			

**99% REVIEW SET  
NOT FOR CONSTRUCTION  
6/06/2024**

06/07/24 - 4:32pm - BFortenberry - P:\VAL\B007 LTG\_PAPI\_TW-A\040CAD\DWG\Sheets\ALB007-Electrical.dwg

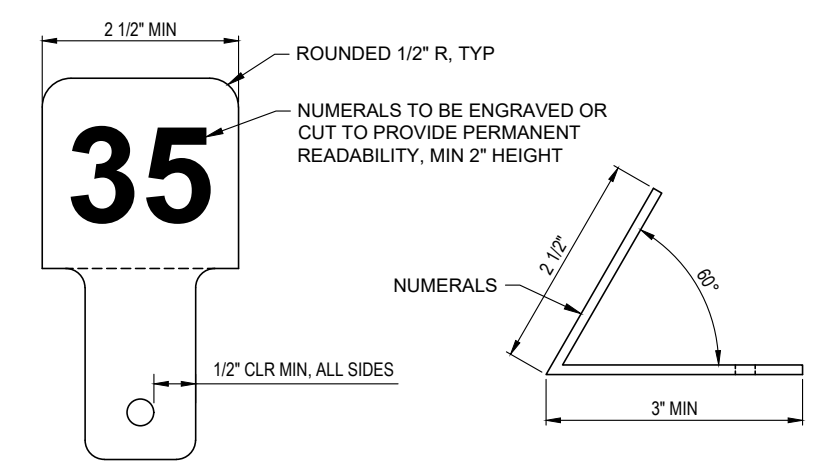
	 5125 Southwest Hout Street Corvallis, OR 97333 541-754-0043		REVISIONS:	DATE	APPD.	DATE: JUN 2024 DESIGN: GWV DRAWN: JAW CHECKED: GWV REVISION NUMBER: 0 SCALE: AS SHOWN	ALBANY MUNICIPAL AIRPORT INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING <b>ELECTRICAL PLAN - ADDITIVE A</b> PRECISION APPROACH ENGINEERING, INC. AIP NO. 3-41-0001-022-2024	PROJECT NUMBER: <b>ALB007</b> SHEET NO. <span style="font-size: 2em;"><b>27</b></span> OF <b>28</b>
								PRECISION APPROACH ENGINEERING, INC.

06/07/24 - 4:32pm - BFortenberry - P:\VALB007 LTG\_PAPI\_TW-A\0400CAD\DWG\Sheets\ALB007-ELDE.dwg



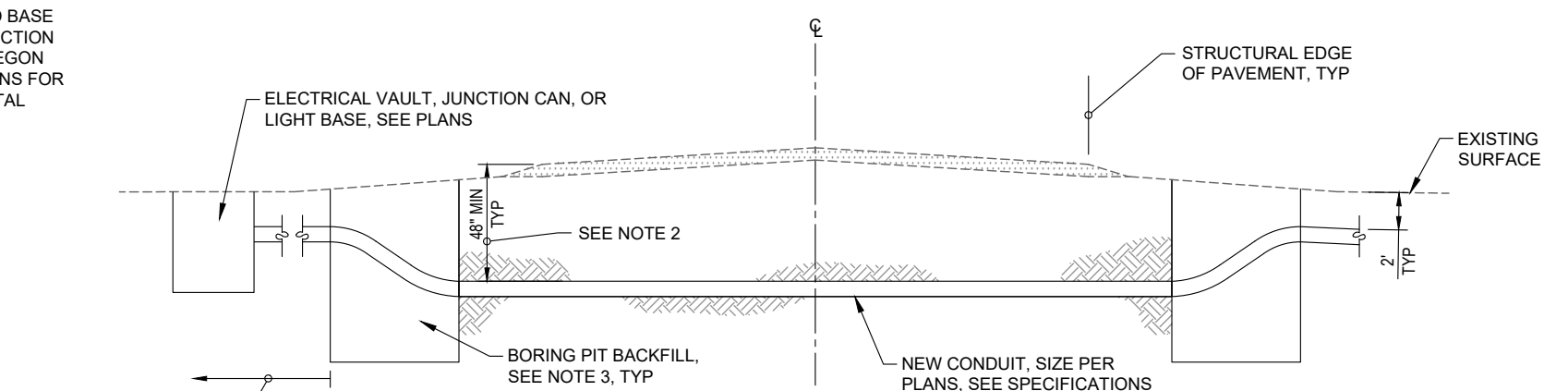
- NOTES:
- WHERE NEW ELEVATED LIGHTS ARE INSTALLED, ANY PARALLEL CONDUITS SHALL BYPASS THE JUNCTION CAN UNLESS OTHERWISE INDICATED ON PLANS.
  - WHERE NEW ELEVATED LIGHTS ARE TO BE INSTALLED ON EXISTING BASE CANS, REMOVE AND REPLACE EXISTING TRANSFORMER AND SPLICES.
  - TOP OF BASE CAN FOR NEW EDGE LIGHT INSTALLATIONS SHALL BE SET OR RAISED TO 1" ABOVE EXISTING GRADE, HOWEVER, SHALL BE NO LOWER THAN 0.4' LOWER THAN THE ELEVATION OF THE NEAREST EDGE OF PAVEMENT ELEVATION. CONTRACTOR SHALL SURVEY AND VERIFY ALL LIGHT BASE ELEVATIONS WITH RPR PRIOR TO CONSTRUCTION.

**ELEVATED LIGHT INSTALLATION DETAIL** 1  
NTS 28



- NOTES:
- SIZE TO CONNECT TO BASE PLATE OF EACH LIGHT. ATTACH TO FIXTURE FACING RUNWAY. VERIFY LABEL ID PLAN WITH RPR, UP TO 6 CHARACTERS OR NUMERALS PER LABEL.
  - TAG TO BE ALUMINUM, 16 GAUGE, MIN.
  - SUBMIT SHOP DRAWING TO RPR FOR APPROVAL.

**IDENTIFICATION TAG DETAIL** 2  
NTS 28



- NOTE:
- PIPE BORES SHALL BE PAID AS JACK AND BORE BID ITEM. UNIT PRICE SHALL BE FULL PAYMENT FOR EACH 4" CONDUIT (BORED) AS SHOWN ON PLANS. MEASUREMENT FOR PAYMENT SHALL BE THE DISTANCE TO NEAREST FACE OF HANDHOLE. BORING METHOD SUBJECT TO SUBMITTAL.
  - CLEARANCE BETWEEN EXISTING OR NEW PAVEMENT SURFACE AND TOP OF PROPOSED ELECTRICAL CONDUIT SHALL BE A MINIMUM OF 48-INCHES OR AS DIRECTED BY ENGINEER.
  - CONTRACTOR SHALL BACKFILL AND ASPHALT PATCH TO MATCH EXISTING CONDITIONS. TURF AREAS SHALL BE BACKFILLED WITH NATIVE MATERIALS. NO DIRECT PAYMENT, CONSIDERED INCIDENTAL TO CROSS DIRECTIONAL BORING BID ITEM.
  - CONTRACTOR MUST REPAIR ANY DAMAGE TO PAVEMENT BY ERRANT BORING AND SHALL BE CONSIDERED INCIDENTAL TO CROSS DIRECTIONAL BORING BID ITEM.
  - ALL WORK AND FITTINGS NECESSARY TO LINK CONDUIT AND PROVIDE CONNECTIONS SHALL BE CONSIDERED INCIDENTAL TO CROSS DIRECTIONAL BORING BID ITEM.

**CROSS DIRECTIONAL BORE PROFILE DETAIL FOR TAXIWAY AND TAXILANE CROSSINGS** 3  
NTS 28

**PRECISION APPROACH ENGINEERING**  
5125 Southwest Hout Street  
Corvallis, OR 97333  
541•754•0043



REVISIONS:	DATE	APPD.

DATE: JUN 2024  
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SCALE: AS SHOWN

ALBANY MUNICIPAL AIRPORT  
INSTALL RUNWAY 16-34 PAPI; INSTALL TAXIWAY A LIGHTING

**ELECTRICAL DETAILS - ADDITIVE A**

PRECISION APPROACH ENGINEERING, INC.  
AIP NO. 3-41-0001-022-2024

PROJECT NUMBER:  
**ALB007**

SHEET NO.  
**28**

OF **28**