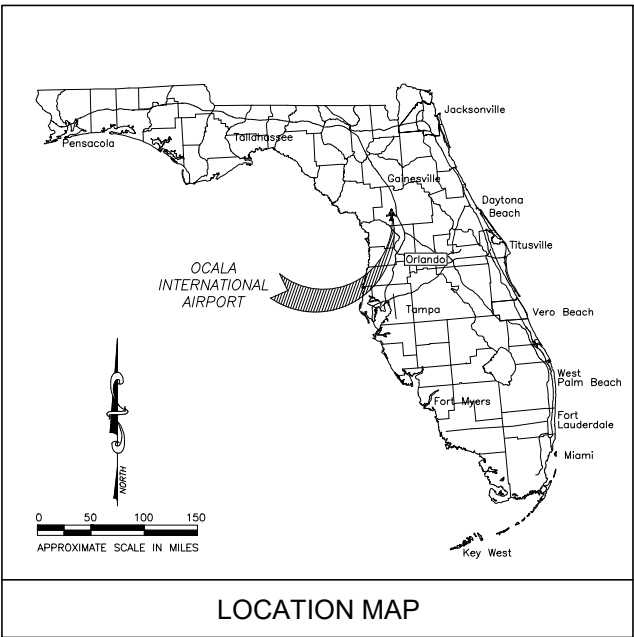


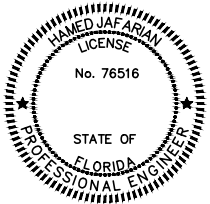
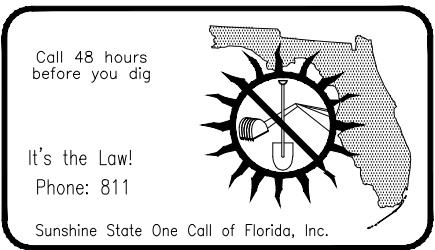
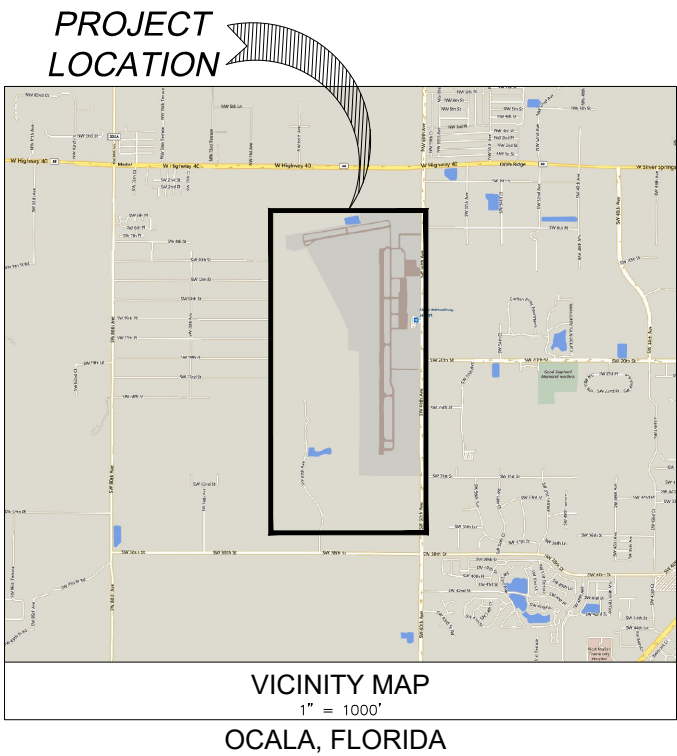
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TERMINAL APRON REHABILITATION

AT

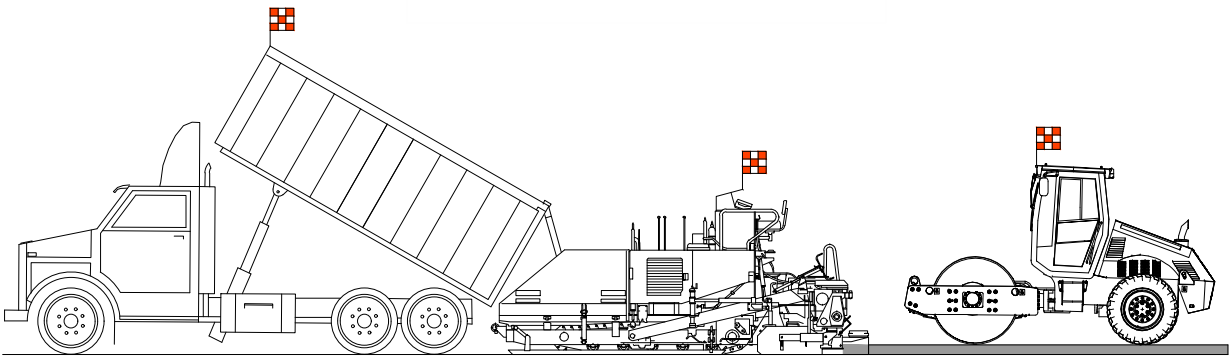


FAA AIP PROJECT No.: 3-12-0055-034-2024
FDOT FM NO. : 455217-1-94-01 (G3474)



HAMED JAFARIAN, FL P.E. NO. 76516

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE ABOVE SHEETS IN ACCORDANCE WITH RULE 61615-23.004, F.A.C. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



BID DOCUMENTS

MARCH 2025

PREPARED BY:

IE INFRASTRUCTURE
CONSULTING & ENGINEERING

5550 W. IDLEWILD AVENUE, SUITE 115

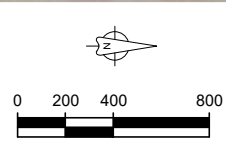
TAMPA, FL 33634

(813) 330-2704

CERTIFICATE OF AUTHORIZATION NO.: 30862

DRAWING INDEX	
DWG. No.	DESCRIPTION
G0.0	COVER SHEET
G1.0	PROJECT LAYOUT PLAN
G1.1-G1.5	CONSTRUCTION SAFETY & PHASING PLAN, NOTES AND DETAILS
G2.1	GENERAL NOTES
C1.1	EXISTING CONDITIONS
C1.2	EXISTING CONDITIONS - PHOTOS
C2.1	DEMOLITION & PAVEMENT REMOVAL PLAN
C3.1-C3.2	TYPICAL SECTIONS AND DETAILS
C4.1	PAVEMENT LAYOUT AND MARKING PLAN
C5.1	GRADING AND DRAINAGE PLAN
C6.1	MARKING DETAILS

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INFRASTRUCTURE
CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

PROJECT LAYOUT PLAN

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

Sheet Number:

G1.0

LEGEND	
	CONTRACTOR'S STAGING AREA
	CONTRACTOR'S HAUL ROUTE
	LIMIT OF CONSTRUCTION
	RSA RUNWAY SAFETY AREA
	TOFA TAXIWAY OBJECT FREE AREA
	TSA TAXIWAY SAFETY AREA
	TERMINAL

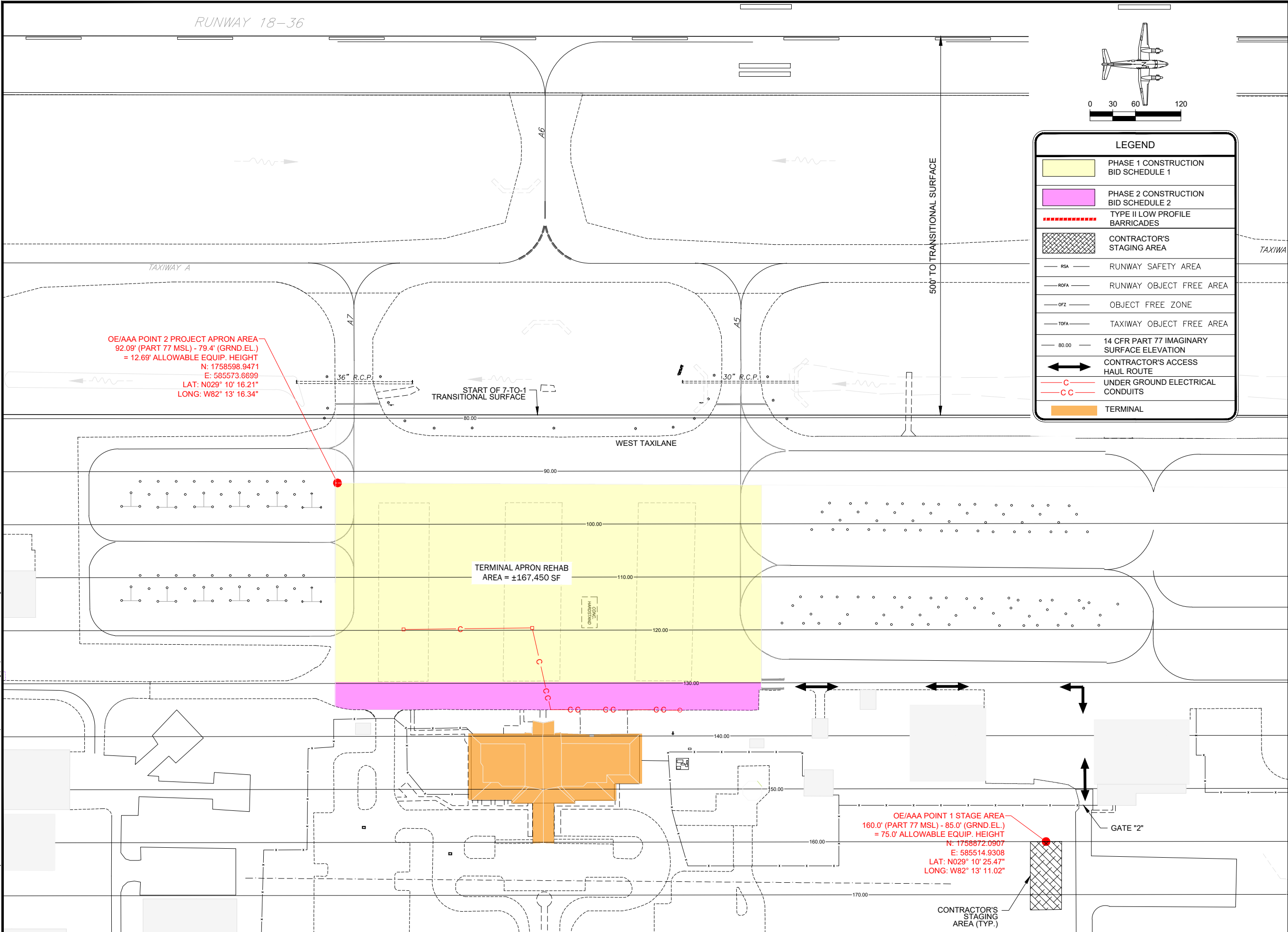
PROJECT AREA
±167,450 SF

CONTRACTOR'S
STAGING
AREA (TYP.)

CONTRACTOR
ACCESS THROUGH
GATE 2

SW 60TH AVE

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5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:

AM

Checked By:

HJ

Technician:

AM

ICE Project Name:

24-227

Engineer of Record:

NOTES:

1. SEE SHEET G1.6 FOR BARRICADE DETAILS.
2. SEE SHEET G1.6 FOR ADDITIONAL SECURITY, SAFETY AND PHASING NOTES.
3. CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.
4. CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

**CONSTRUCTION SAFETY &
PHASING PLAN (OVERALL)**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

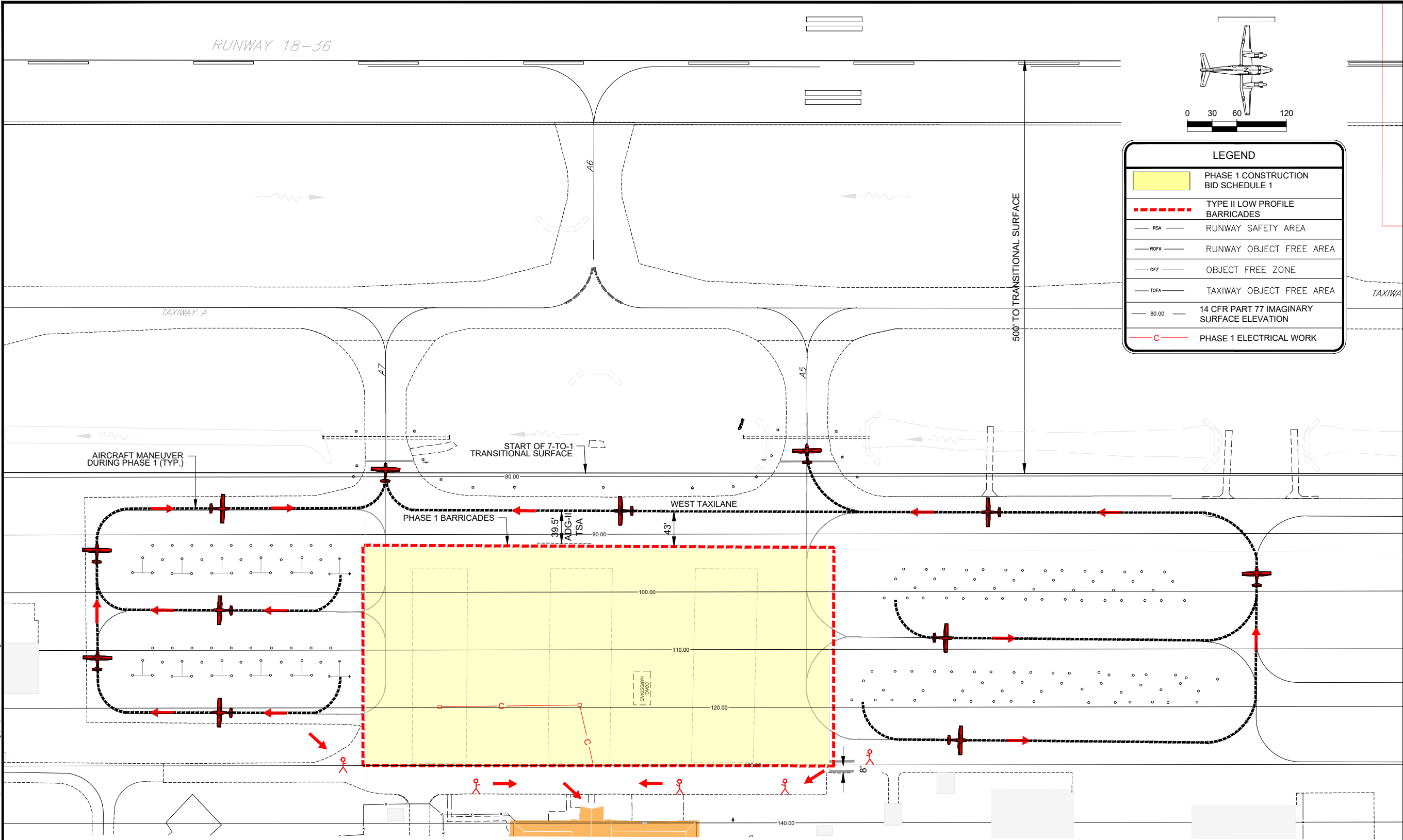
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Sheet Number:

G1.1

BID DOCUMENTS (NOT FOR CONSTRUCTION)

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INFRASTRUCTURE
CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

1. SEE SHEET G1.1 FOR STAGE AREA
2. SEE SHEET G1.4 FOR BARRICADE DETAILS.
3. SEE SHEET G2.1 FOR ADDITIONAL SECURITY, SAFETY AND PHASING NOTES.
4. CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

**CONSTRUCTION SAFETY &
PHASING PLAN (PHASE 1)**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

Sheet Number:

G1.2

PHASING SCHEDULE

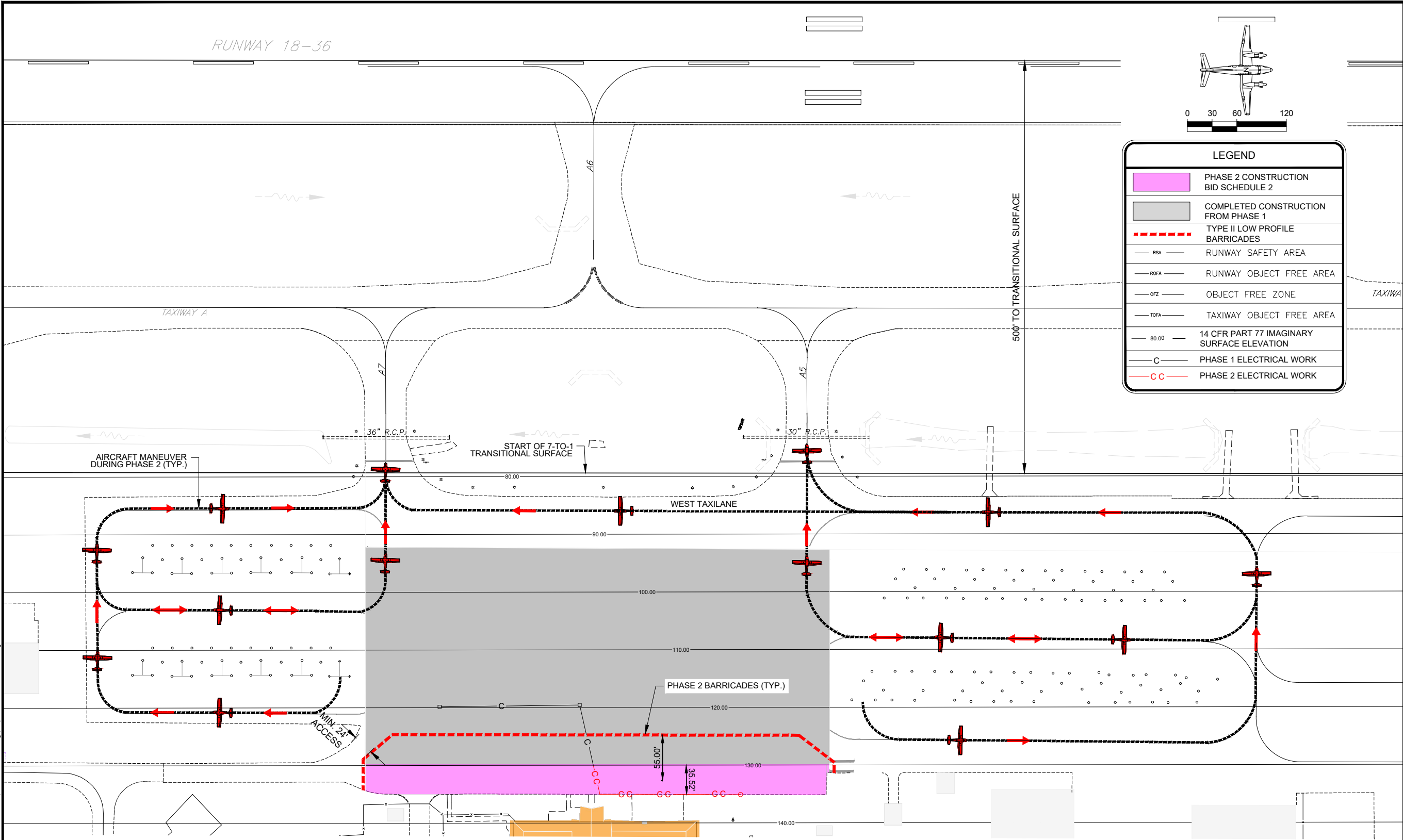
PHASE	DURATION	LIQUIDATED DAMAGES	DESCRIPTION OF WORK	IMPACT
1	21 CALENDAR DAYS	PER CONTRACT	PLACE PHASE 1 BARRICADES, CLEAN APRON, REMOVE EXIST. ASPHALT, REMOVE EXIST. TIE-DOWNS, REMOVE EXIST. CONC. PAD, REMOVE 1"-2" OF EXIST BASE, GROUT FILL TIE-DOWN REMOVALS, COMPLETE ELECTRICAL WORK, COMPACT/ROLL EXISTING BASE, PLACE PRIME COAT, PLACE FIRST LIFT OF P-403 OVERLAY, PLACE TACK COAT, PLACE SECOND LIFT OF P-403 OVERLAY, PLACE TACK COAT, PLACE FINAL LIFT OF P-404 OVERLAY, APPLY TEMPORARY PAINT, APPLY PERMANENT PAINT PER SPECS.	AIRPORT WILL BE OPEN TO ALL TAKEOFF AND LANDING OPERATIONS ON RUNWAY "18-36" FOR PHASE 1. TAXIWAYS "A", "A5", AND "A7" SHALL REMAIN OPERATIONAL DURING THIS PHASE. CONTRACTOR MAY ONLY PERFORM WORK DURING THE HOURS OF 7:00 AM TO 5:00 PM MONDAY-FRIDAY AND 8:00 AM TO 5:00 PM ON SATURDAY, EXCLUDING SUNDAYS, AND HOLIDAYS. ANY DEVIATION FROM THIS SCHEDULE REQUIRES PRE-APPROVAL FROM AIRPORT MANAGER.

CONSTRUCTION PHASING NOTES:

1. PROJECT DURATION IS CONTINUOUS THROUGH ALL PROJECT PHASES. THERE WILL BE NO LAPS IN TIME BETWEEN PHASES.
2. CONTRACTOR IS REQUIRED TO ENSURE CONTINUOUS ACCESS TO THE TERMINAL BUILDING THROUGHOUT THIS PHASE OF THE PROJECT.
3. CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.
4. OWNER MAY REQUIRE OCCASIONAL USE OF WEST TAXILANE. CONTRACTOR SHALL COORDINATE MILLING AND PAVING OPERATIONS IN THE AREA IMMEDIATELY ADJACENT TO THE TAXILANE WITH THE OWNER. ALL OTHER ACTIVITIES SHALL PULL BACK AND YIELD TO AIRCRAFT.

BID DOCUMENTS (NOT FOR CONSTRUCTION)

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LEGEND

PHASE 2 CONSTRUCTION
BID SCHEDULE 2

COMPLETED CONSTRUCTION
FROM PHASE 1

TYPE II LOW PROFILE
BARRICADES

— RSA —

RUNWAY SAFETY AREA

— ROFA —

RUNWAY OBJECT FREE AREA

— OFZ —

OBJECT FREE ZONE

— TOFA —

TAXIWAY OBJECT FREE AREA

— 80.00 —

14 CFR PART 77 IMAGINARY
SURFACE ELEVATION

— C —



PHASE 1 ELECTRICAL WORK


— CC —

PHASE 2 ELECTRICAL WORK

PHASE	DURATION	LIQUIDATED DAMAGES	DESCRIPTION OF WORK	IMPACT
2	1 CALENDAR DAY (NIGHT WORK)	PER CONTRACT	REMOVE PHASE 1 BARRICADES, PLACE PHASE 2 BARRICADES, CLEAN APRON, REMOVE 2" OF EXIST. ASPHALT, COMPLETE ELECTRICAL WORK, FILL & COMPACT OPEN TRENCHES, PLACE TACK COAT, PLACE 2" OF SP-12.5 OVERLAY, APPLY TEMPORARY PAINT, APPLY PERMANENT PAINT PER SPECS.	AIRPORT WILL BE OPEN TO ALL TAKEOFF AND LANDING OPERATIONS ON RUNWAY "18-36" FOR PHASE 2. TAXIWAYS "A", "A5", AND "A7" SHALL REMAIN OPERATIONAL DURING THIS PHASE. WORK HOURS 9:00 PM TO 5:00 AM. ANY DEVIATION FROM THIS SCHEDULE REQUIRES PRE-APPROVAL FROM AIRPORT MANAGER.

- CONSTRUCTION PHASING NOTES:
- PROJECT DURATION IS CONTINUOUS THROUGH ALL PROJECT PHASES. THERE WILL BE NO LAPS IN TIME BETWEEN PHASES.
 - NO MEN OR EQUIPMENT PERMITTED IN THE RSA OR TOFA WITHOUT CLOSURES.
 - CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.
 - PLACEMENT OF CONDUIT IN PHASE 2 AREA MAY BE ACCOMPLISHED IN PHASE 1 PROVIDING ACCESS TO TERMINAL FOR VEHICLES, GOLF CARTS, AND PEDESTRIANS.


5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:
**TERMINAL
APRON
REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:
1. SEE SHEET G1.1 FOR STAGE AREA
2. SEE SHEET G1.4 FOR BARRICADE DETAILS.
3. SEE SHEET G2.1 FOR ADDITIONAL SECURITY, SAFETY AND PHASING NOTES.
4. CONTRACTOR TO KEEP A SWEEPER TRUCK DURING CONSTRUCTION AT ALL TIME.

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:
**CONSTRUCTION SAFETY &
PHASING PLAN (PHASE 2)**

FAA A.I.P. Project No.:
3-12-0055-034-2024

FDOT Project No.:
455217-1-94-01 (G3474)

Date:
MAR 2025

Sheet Number:
G1.3

BID DOCUMENTS (NOT FOR CONSTRUCTION)

1. THE CONTRACTOR SHALL OBTAIN, HAVE KNOWLEDGE OF, AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT:
 - A. OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION - AC 150/5370-2, LATEST EDITION.
 - B. AIRPORT SAFETY SELF-INSPECTION - AC 150/5200-18, LATEST EDITION.
 - C. PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AIRPORTS - AC 150/5210-5, LATEST EDITION.
 - D. CODE OF FEDERAL REGULATIONS (CFR) PART 139
2. NOTICE TO AIRMEN (NOTAM) - THE AIRPORT WILL ISSUE ALL NOTAMS TO THE FAA FLIGHT SERVICE STATION RELATED TO THIS PROJECT IN ACCORDANCE WITH ESTABLISHED CRITERIA.
3. FOR OTHER CONDITIONS RELATED TO SAFETY, SEE SPECIFICATIONS.
4. PRIOR TO THE CLOSURE OF ANY AIRFIELD PAVEMENT, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 3 DAYS NOTICE SO A NOTAM CAN BE ISSUED.
5. AIRCRAFT TRAFFIC SHALL HAVE THE RIGHT-OF-WAY AT ALL TIMES.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO USE ANY OF THE EXISTING RUNWAYS, TAXIWAYS, OR VEHICLE PARKING AREAS AS PART OF THE HAUL ROAD UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER.
7. THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER TO MINIMIZE INTERFERENCE TO AIRCRAFT OPERATIONS DURING CONSTRUCTION.
8. NO CONTRACTOR VEHICLES, EQUIPMENT, OR PERSONNEL SHALL CROSS OR BE WITHIN ANY RUNWAY, TAXIWAY, OR TAXILANE OBJECT FREE AREA UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER.
9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER IN SCHEDULING ALL AIRFIELD PAVEMENT OPENINGS/CLOSINGS TO BE CONSISTENT WITH AIRFIELD OPERATIONS. WHEN THE CONTRACTOR'S OPERATIONS CROSS ACTIVE TAXIWAYS OR RUNWAYS HE SHALL BE REQUIRED TO PROVIDE A FLAGMAN ON EACH SIDE OF ACTIVE CROSSING TO DIRECT VEHICULAR TRAFFIC AND PROTECT AIRCRAFT TRAFFIC. THE CONTRACTOR SHALL ALSO HAVE SUITABLE EQUIPMENT APPROVED BY THE ENGINEER AT EACH CROSSING TO KEEP THE CROSSING CLEAN OF ALL DIRT AND DEBRIS AND SAFE FOR AIRCRAFT TRAFFIC.
10. ALL AIRFIELD PAVEMENTS SHALL BE KEPT FREE OF DIRT AND ALL OTHER DEBRIS AT ALL TIMES. ANY SPILLAGE OF EXCAVATION OF OTHER MATERIAL SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR USING A VACUUM OR MOTOR-DRIVEN SWEEPER. A PROGRAM OF REGULAR INSPECTION OF AIRFIELD PAVEMENTS SHALL BE IMPLEMENTED AS PART OF THE CONTRACTOR'S SAFETY PLAN COMPLIANCE DOCUMENT.
11. ANY UNPLANNED, UNAPPROVED, OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR NAVIGATIONAL AID REQUIRES IMMEDIATE NOTIFICATION OF THE AIRPORT MANAGER AND ENGINEER BY THE CONTRACTOR. THE COST OF MATERIALS AND LABOR REQUIRED TO REPAIR THE LIGHTING CIRCUIT SHALL BE BORNE BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROTECT ALL NAVIGATIONAL AIDS (NAVAIDS) DURING CONSTRUCTION. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING NAVAIDS. ANY DAMAGE TO NAVAIDS MAY REQUIRE SUBMITTALS FOR REPAIR OF THE DAMAGED FACILITY TO BE APPROVED BY THE ENGINEER. THE ENGINEER SHALL BE NOTIFIED OF ANY DAMAGE AND IMMEDIATE REPAIR AT THE CONTRACTOR'S EXPENSE WILL BE REQUIRED.
13. CONTRACTOR SHALL MAINTAIN ALL AIRFIELD SAFETY DEVICES SUCH AS STAKED LIMIT LINES, FOR THE DURATION OF THE PROJECT AS REQUIRED. DAMAGED STAKES OR FLAGGING SHALL BE REPLACED IMMEDIATELY. CONTRACTOR TO SUBMIT PLAN SHOWING LOCATION OF LIMIT LINES FOR EACH PHASE AND FOR PROJECT DURATION TO THE ENGINEER FOR APPROVAL.
14. ALL ACTIVE AIRPORT OPERATIONAL AREAS WHICH ARE ADJACENT TO A CONSTRUCTION WORK AREA SHALL BE SEPARATED BY LOW PROFILE BARRICADES WITH RED FLASHING LIGHTS. THE CONTRACTOR SHALL PROVIDE, MAINTAIN, AND INSTALL THE BARRICADES.
15. BARRICADES USED TO CLOSE NON-AIRFIELD AREAS SUCH AS ROADS OR PARKING LOTS SHALL CONFORM TO FDOT INDEX 600. ACCEPTABLE OPTIONS INCLUDE PLASTIC DRUMS, TYPE I BARRICADE, TYPE II BARRICADE, OR TYPE III BARRICADE.
16. THE CONTRACTOR SHALL PROVIDE TEMPORARY R11-2, 48 x 30 "ROAD CLOSED" SIGNS TO BE USED IN CONJUNCTION WITH TRAFFIC BARRELS AT ALL LOCATIONS TO BE CLOSED TO VEHICULAR TRAFFIC.
17. CONTRACTOR MAY AT HIS OPTION PROVIDE TEMPORARY CHAIN LINK FENCE AROUND THE CONTRACTOR'S STAGING AREA. THE CITY ASSUMES NO RESPONSIBILITY FOR THE SECURITY OF EQUIPMENT, MATERIAL, OR ANY OTHER ELEMENTS RELATED TO THE CONTRACTOR'S OPERATIONS.
18. THE CONTRACTOR SHALL PROMINENTLY DISPLAY AVIATION SAFETY FLAGS ON ALL CONSTRUCTION EQUIPMENT AT THE HIGHEST POINT ON EACH PIECE OF EQUIPMENT. SEE DETAIL THIS SHEET.
19. FOR OTHER CONDITIONS RELATING TO SAFETY, SEE CONSTRUCTION SAFETY AND PHASING DOCUMENT (CSPF).

FLAG
(SEE DETAIL
THIS SHEET)



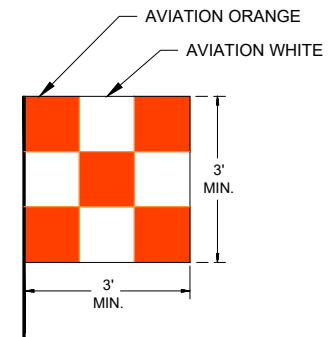
- CAUTION LIGHTS

LOW PROFILE BARRICADE DETAIL

N.T.S.

NOTES:

- 1) ALL BARRICADES SHALL BE LINKED END TO END IN ALL LOCATIONS.
- 2) FRANGIBLE, LOW PROFILE BARRICADES SHALL BE USED WHERE WORK IS ADJACENT TO ACTIVE AIRCRAFT OR INSIDE OF AN ACTIVE TAXIWAYS SAFETY AREA. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS.
- 3) SECURE EACH BARRICADES WITH TWO SAND BAGS OR USE WATER FILLED.



CONSTRUCTION SAFETY FLAG

NOTE:
SAFETY FLAG SHALL BE PROMINENTLY DISPLAYED ON ALL
CONSTRUCTION EQUIPMENT. AN AMBER FLASHING LIGHT IS
REQUIRED FOR NIGHT WORK AND MAY BE SUBSTITUTED FOR
THE FLAG DURING THE DAY.



TRAFFIC CONE

N.T.S.



Project Name:

TERMINAL APRON REHABILITATION

Designer:

AM

Checked By:

HJ

Technician:

ICE Project Name:

Engineer of Record:

NOTES:

REVISIONS

[illegible]

Drawing Name:

NOTES & DETAILS (1 OF 2)

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

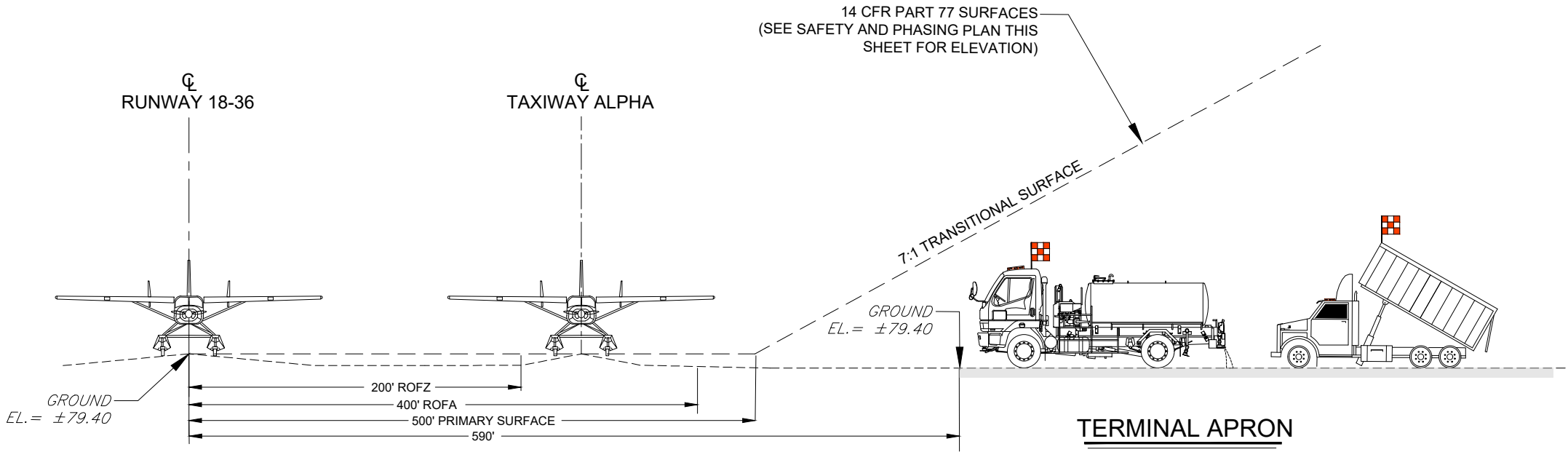
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BID DOCUMENTS (NOT FOR CONSTRUCTION)

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EQUIPMENT HEIGHT RESTRICTION	
OE/AAA POINT NO. (SEE SAFETY AND PHASING PLAN)	MAXIMUM ALLOWABLE EQUIPMENT HEIGHT AT POINT
POINT 1	75.0 (FT)
POINT 2	12.69 (FT)

SEE SHEET G1.1 FOR POINT LOCATIONS

EQUIPMENT HEIGHT NOTES	
1. THE CONTRACTOR SHALL ADHERE TO THE MAXIMUM ALLOWABLE HEIGHT REQUIREMENTS SHOWN IN THE PLANS. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LOCATIONS WITH THE ENGINEER PRIOR TO CONSTRUCTION.	
2. IF THE CONTRACTOR'S OPERATIONS WILL RESULT IN ADDITIONAL AIRSPACE IMPACTS, THE CONTRACTOR SHALL OBTAIN FAA APPROVAL BY SUBMITTING FORM 7460-1.	
3. THE CONTRACTOR SHALL SUPPLY ALL INFORMATION REQUESTED BY THE ENGINEER TO PROPERLY EVALUATE WHETHER ADDITIONAL AIRSPACE IMPACTS ARE LIKELY AND WARRANT THE CONTRACTOR TO FILE A FORM 7460-1. THE ENGINEER'S DECISION SHALL BE FINAL.	

EQUIPMENT HEIGHT RESTRICTION DETAIL

N.T.S.



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TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

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TERMINAL
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Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

- SEE SHEET G1.6 FOR BARRICADE DETAILS.
- SEE SHEET G1.6 FOR ADDITIONAL SECURITY, SAFETY AND PHASING NOTES.

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

NOTES & DETAILS (2 OF 2)

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

Sheet Number:

G1.5

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GENERAL NOTES

1. CONSTRUCTION STAKE-OUT SHALL BE PERFORMED BY CONTRACTOR IN ACCORDANCE WITH ARTICLE 50-06 OF THE GENERAL PROVISIONS OF THE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MEASUREMENTS THAT MAY BE REQUIRED TO LAY OUT THE CONSTRUCTION. THE COST OF STAKING WILL NOT BE PAID FOR DIRECTLY AND SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS ITEMS OF WORK.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CLEANUP AND DISPOSAL OF ALL TRASH AND DEBRIS CREATED BY HIS WORK OR PERSONNEL. NO BURNING IS ALLOWED ON SITE. ALL TRASH AND DEBRIS MUST BE DISPOSED OF OFFSITE.
3. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR ASPHALT AND OR CONCRETE BATCH PLANT LOCATIONS WHICH MUST BE LOCATED OFF AIRPORT PROPERTY.
4. THE CONTRACTOR SHALL VISIT SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY VARIATIONS FROM THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS.
5. APPROVED CUTS IN PAVEMENT OR CONCRETE SHALL BE MADE USING A PAVEMENT SAW, AND SHALL BE PATCHED TO MATCH THE EXISTING SURFACE IN A MANNER APPROVED BY THE ENGINEER.
6. EXISTING EASEMENTS TO OTHER PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
7. AIRFIELD PAVEMENTS SHALL BE KEPT FREE OF ALL DEBRIS, DIRT, ETC., AT ALL TIMES. ANY SPILLAGE OF EXCAVATION OR OTHER MATERIAL SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR WITH A MOTOR DRIVEN SWEEPER OR VACUUM AS REQUIRED BY THE ENGINEER. A PROGRAM OF REGULAR AIRFIELD PAVEMENT INSPECTION WILL BE PLANNED BY THE CONTRACTOR, AIRPORT OPERATIONS AND THE OWNER'S REPRESENTATIVE. SWEEPERS ARE TO BE EQUIPPED WITH NON-METALIC BROOMS.
8. ALL NON-PAVED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS, SUCH AS THE CONTRACTOR'S ACCESS ROAD, STAGING AREA, HAUL ROUTES, ETC., SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND GRASSED PER ITEM T-901 UPON COMPLETION OF THE PROJECT.
9. ANY DAMAGES DONE TO AIRPORT PROPERTY OR UTILITIES (SUCH AS RUNWAY, TAXIWAYS, APRONS, FENCING, EXISTING CABLES) WILL BE REPAIRED BY THE CONTRACTOR TO THE APPROVAL OF THE OWNER OF THE FACILITY IN A SATISFACTORY MANNER. THE CONTRACTOR WILL BEAR ALL COSTS FOR REPAIRS USING INDUSTRY STANDARD PRACTICES AND MATERIALS.
10. THE CONTRACTOR SHALL MAINTAIN SECURITY WITHIN THE PROJECT SITE AT ALL TIMES. NO UNAUTHORIZED PERSONNEL SHALL BE ALLOWED ON THE SITE.
11. CONTRACTOR SHALL MAINTAIN ALL AIRFIELD SAFETY DEVICES SUCH AS STAKED LIMIT LINES, FOR THE DURATION OF THE PROJECT AS REQUIRED. DAMAGED STAKES OR FLAGGING SHALL BE REPLACED IMMEDIATELY. CONTRACTOR TO SUBMIT PLAN SHOWING LOCATION OF LIMIT LINES FOR EACH PHASE AND FOR PROJECT DURATION TO THE ENGINEER FOR APPROVAL.
12. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR THE COMPLETION OF THIS PROJECT.
13. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL ENVIRONMENTAL RULES AND REGULATIONS OF THE CITY, COUNTY, STATE, ARMY CORPS OF ENGINEERS, AND ANY OTHER JURISDICTIONAL AGENCIES, AND ALL CONDITIONS SET FORTH IN ENVIRONMENTAL PERMITS.
14. AIRCRAFT OPERATING ON THE AIRFIELD MAKE THE CONSTRUCTION AREA A ZONE OF HIGH LEVEL NOISE. THE CONTRACTOR IS ADVISED TO TAKE THE NECESSARY PRECAUTIONS, SUCH AS THE USE OF EAR PLUGS AND EAR MUFFS TO PREVENT EAR INJURY TO ANY PERSONNEL WORKING IN THE AREA.
15. ALL DISPUTES ARISING FROM THE CONTRACTOR SHALL BE DECIDED BY THE ENGINEER, WHOSE DECISION SHALL BE FINAL.
16. BURNING OF DEBRIS WILL NOT BE ALLOWED ON AIRPORT PROPERTY.
17. ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SHOWN IN THE CONTRACT DOCUMENTS. CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE LEGALLY DISPOSED OF OFF AIRPORT PROPERTY.
18. THE CONTRACTOR SHALL KEEP A WATER TRUCK ONSITE AT ALL TIMES FOR THE PURPOSE OF CONTROLLING DUST AS REQUIRED BY THE CONTRACT DOCUMENTS.

HAUL ROUTE / STAGING

19. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE STORAGE AND SECURITY OF HIS MATERIAL AND EQUIPMENT AND SHALL ERECT STORAGE FACILITIES AND FENCING AS NECESSARY. THE CONTRACTOR'S STORAGE AND STAGING AREA SHALL BE IN THE LOCATION SHOWN ON DRAWING G-1.1 & G1.2.
20. THE CONTRACTOR'S STAGING AREA(S) AND HAUL ROUTES SHOWN ON THE PLANS ARE GENERAL AND FOR INFORMATIONAL PURPOSES ONLY. THE ACTUAL SIZE AND LOCATION OF STAGING AREAS AND HAUL ROUTES WILL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
21. CONTRACTOR WILL NOT BE ALLOWED TO USE ANY OF THE EXISTING RUNWAYS OR TAXIWAYS AS PART OF THE HAUL ROAD UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR CROSS ANY RUNWAY AT ANY TIME WITH CONSTRUCTION VEHICLES OR EQUIPMENT.
22. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE PROJECT ACCESS ROUTES APPROVED BY THE ENGINEER ONLY. THE CONTRACTOR SHALL

- BE RESPONSIBLE FOR THE SECURITY OF ALL GATES HE USES FOR ACCESS ONTO AIRPORT PROPERTY. THE CONTRACTOR SHALL POST A GUARD AT ANY ACCESS GATE THAT IS NOT LOCKED.
23. THE EXISTING AIRPORT PAVEMENTS ACCESS ROADS AND HAUL ROUTES MAY NOT BE CAPABLE OF SUPPORTING CERTAIN TYPES OF CONSTRUCTION EQUIPMENT. PRIOR TO BIDDING, THE CONTRACTOR SHALL FULLY SATISFY HIMSELF AS TO THE ABILITY OF THE EXISTING AIRPORT PAVEMENTS TO SATISFACTORILY SUSTAIN THE TYPE OF EQUIPMENT HE PLANS TO USE. CONTRACTOR SHALL SIZE THE EQUIPMENT USED FOR CONSTRUCTION ACCORDINGLY. ANY DAMAGE CAUSED BY HAULING OR ANY OTHER CONSTRUCTION ACTIVITY TO EXISTING PAVEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
24. THE OWNER'S REPRESENTATIVE SHALL DESIGNATE AREAS TO BE USED BY THE CONTRACTOR FOR THE PARKING OF CONSTRUCTION EQUIPMENT AND VEHICLES WHEN NOT ENGAGED IN THE CONSTRUCTION DURING NON-WORKING DAYS AND NIGHTS AS WELL AS AREAS FOR CONTRACTOR'S EMPLOYEES AUTO PARKING.
25. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ALL PERMANENT AND TEMPORARY UTILITY CONNECTIONS TO THE STAGING AREA.

MOVEMENT ON AIRFIELD

26. AREAS OUTSIDE THE PROJECT LIMITS ARE DESIGNATED AS RESTRICTED AREAS. THE CONTRACTOR'S FORCES ARE PROHIBITED FROM ENTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE OR AIRPORT OPERATIONS.
27. THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION OPERATIONS AS SHOWN ON THE CONSTRUCTION SAFETY & PHASING PLAN, AND HIS APPROVED PHASING PLAN. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER'S REPRESENTATIVE TO MINIMIZE INTERFERENCE TO AIRCRAFT OPERATIONS DURING CONSTRUCTION.
28. NO CONTRACTOR VEHICLES, EQUIPMENT, OR PERSONNEL SHALL CROSS OR BE WITHIN ANY RUNWAY SAFETY AREA OR WITHIN ANY TAXIWAY OBJECT FREE AREA AS DELINEATED IN THE PLANS. THE CONTRACTOR SHALL NOT PARK OR LEAVE UNATTENDED ANY EQUIPMENT WITHIN THE RUNWAY OBJECT FREE AREA (ROFA) OR THE RUNWAY PROTECTION ZONE (RPZ). EQUIPMENT NOT MANNED AND BEING USED SHALL NOT BE ALLOWED WITHIN THE ROFA OR RPZ.
29. ALL VEHICLES USED ON THE AIRFIELD SHALL MEET FAA REQUIREMENTS FOR MARKINGS AND LIGHTING. (SEE AC 150/5210-5D).
30. ALL ACTIVE AIRPORT OPERATIONAL AREAS WHICH ARE ADJACENT TO A CONSTRUCTION WORK AREA SHALL BE SEPARATED BY TYPE II LOW PROFILE BARRICADES OR OTHER BARRIER APPROVED BY THE ENGINEER. NO CONSTRUCTION TRAFFIC WILL CROSS ACTIVE AIRPORT OPERATIONAL AREAS. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE BARRIERS AS SHOWN ON THE DRAWINGS AND WHERE DIRECTED BY THE ENGINEER. SEE SPECIFICATION 01030 AND 01530 FOR ADDITIONAL INFORMATION.
31. THE CONTRACTOR SHALL WORK WITH THE ENGINEER IN SCHEDULING ALL TAXIWAY OPENINGS/CLOSINGS TO BE CONSISTENT WITH AIRFIELD OPERATIONS. WHEN THE CONTRACTOR'S OPERATIONS CROSS ACTIVE TAXIWAYS, HE SHALL BE REQUIRED TO PROVIDE A FLAGMAN ON EACH SIDE OF THE ACTIVE CROSSING TO DIRECT VEHICULAR TRAFFIC AND PROTECT AIRCRAFT TRAFFIC. THE CONTRACTOR SHALL ALSO HAVE SUITABLE EQUIPMENT APPROVED BY THE ENGINEER AT EACH CROSSING TO KEEP THE CROSSING CLEAN OF ALL DIRT AND DEBRIS AND SAFE FOR AIRCRAFT TRAFFIC.

BURIED UTILITIES

32. PRIOR TO DIGGING ANY TRENCHES, THE CONTRACTOR SHALL NOTIFY AIRPORT FOR ALL UTILITIES (ELECTRIC, GAS, TELEPHONE, WATER, FIBER, AND ETC.) AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES IN CONSTRUCTION AREA. ANY DAMAGES TO EXISTING UTILITIES OR UNDERGROUND PIPELINES ON OR OFF AIRPORT PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPAIR WORK SHALL MEET THE APPROVAL OF THE OWNER OF THE DAMAGED UTILITY. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY/PIPE REPAIR OR REPLACEMENT.
34. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, AIRFIELD LIGHTING AND NAVAIDS NOT CALLED OUT TO BE REMOVED OR ABANDONED. ANY DAMAGES DONE TO AIRPORT PROPERTY OR UTILITIES (INCLUDING, BUT NOT LIMITED TO RUNWAYS, TAXIWAYS, APRONS, FENCING, EXISTING CABLES, LIGHTING, SIGNS, NAVAIDS) WILL BE REPAIRED BY THE CONTRACTOR TO THE APPROVAL OF THE OWNER OF THE FACILITY IN A SATISFACTORY MANNER. THE CONTRACTOR WILL BEAR ALL COSTS FOR REPAIRS.
35. ANY UNPLANNED, UNAPPROVED, OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR NAVIGATIONAL AID REQUIRES IMMEDIATE NOTIFICATION OF AIRPORT OPERATIONS AND THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR. THE COST OF MATERIALS AND LABOR REQUIRED TO REPAIR THE LIGHTING CIRCUIT SHALL BE BORNE BY THE CONTRACTOR.

LIQUIDATED DAMAGES

LIQUIDATED DAMAGES AS PRESCRIBED IN SECTION 01010 - SUMMARY OF WORK, OF THE CONTRACT DOCUMENTS SHALL BE ASSESSED FOR:

1. EACH DAY BEYOND THE SPECIFIED CONTRACT TIME THE ENTIRE PROJECT IS NOT SUBSTANTIALLY COMPLETE AND READY FOR USE BY THE OWNER.
2. CONTRACTOR SHALL RETURN AFTER 30 DAYS FOR MARKING APPLICATION.

SURVEY NOTES

1. DATE OF FIELD SURVEY: JANUARY 14, 2025
2. SUBJECT TO RIGHTS OF WAY, RESTRICTIONS, EASEMENTS AND RESERVATIONS OF RECORD.
3. UNLESS OTHERWISE SHOWN, UNDERGROUND IMPROVEMENTS NOT LOCATED.
4. PUBLIC RECORDS NOT SEARCHED BY R.M. BARRINEAU & ASSOCIATES, INC.
5. BEARINGS AND STATE PLANE COORDINATES DEPICTED HEREON ARE GRID, WEST FLORIDA ZONE, NAD-83 (CORS96) EPOCH:2002.0000), BASED ON TRIMBLE VIRTUAL REFERENCE STATION NETWORK AND REFERENCED TO CITY OF OCALA ENGINEERING DEPARTMENT CONTROL POINTS 0011 AND 0012.
6. VERTICAL DATUM BASED ON CITY OF OCALA ENGINEERING DEPARTMENT CONTROL POINTS 0011 WITH AN ELEVATION OF 85.20', NAVD-88.
7. ORIENTATION FOR THE IMPROVEMENTS SHOWN HEREON SHOULD NOT BE USED TO RECONSTRUCT BOUNDARY LINES.
8. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
9. THIS SURVEY DEPICTS THE PROPERTY AS IT EXISTED ON THE SURVEY DATE, NOT NECESSARILY THE SIGNATURE DATE.
10. THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE BENEFIT OF THE PARTY(IES) NAMED HEREON, AND SHALL NOT BE DUPLICATED OR RELIED UPON BY ANY OTHER INDIVIDUAL OR ENTITY WITHOUT AUTHORIZATION FROM R.M. BARRINEAU & ASSOCIATES, INC.



Project Name:

TERMINAL
APRON
REHABILITATION

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

GENERAL NOTES

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

Sheet Number:

G2.1

BID DOCUMENTS (NOT FOR CONSTRUCTION)



INFRASTRUCTURE
CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

**EXIST. CONDITIONS -
PHOTOS**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

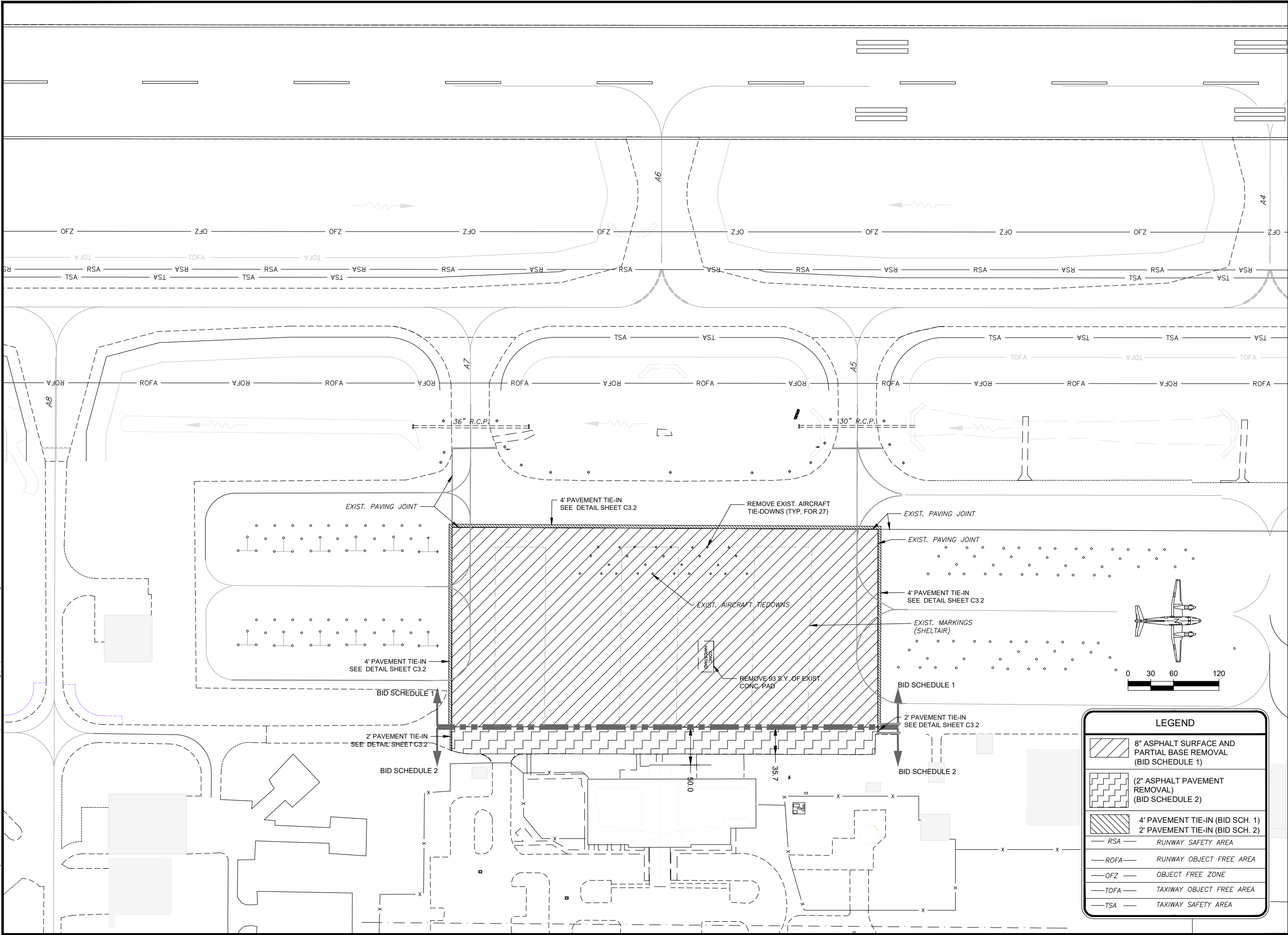
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MAR 2025

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INFRASTRUCTURE
CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE, SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

TERMINAL APRON REHABILITATION

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

DEMOLITION & PAVEMENT REMOVAL PLAN

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

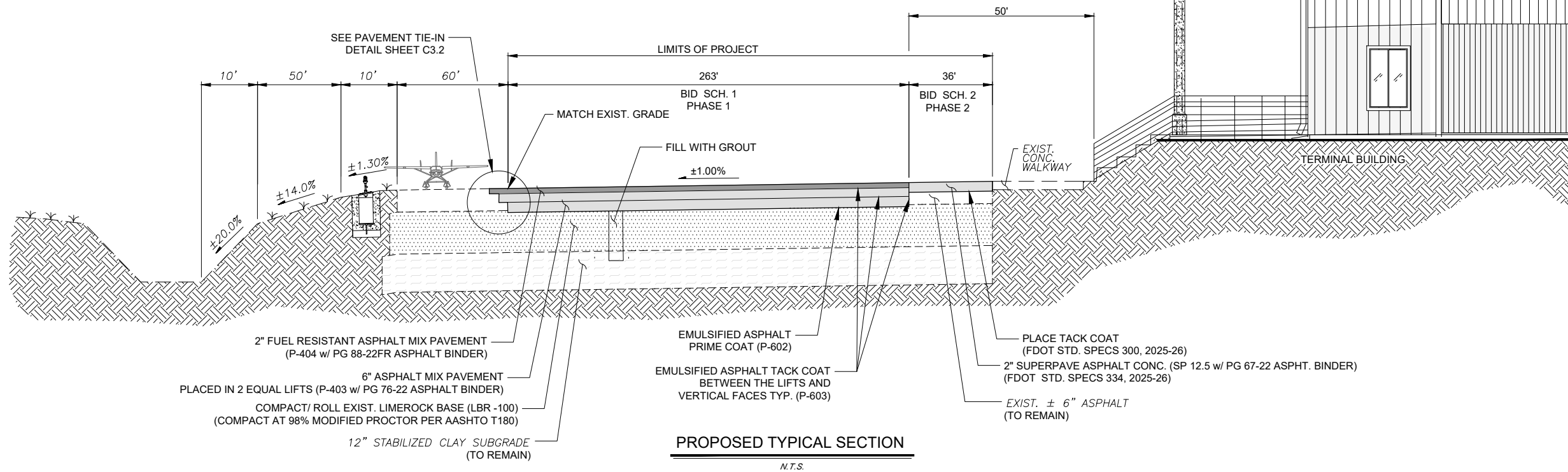
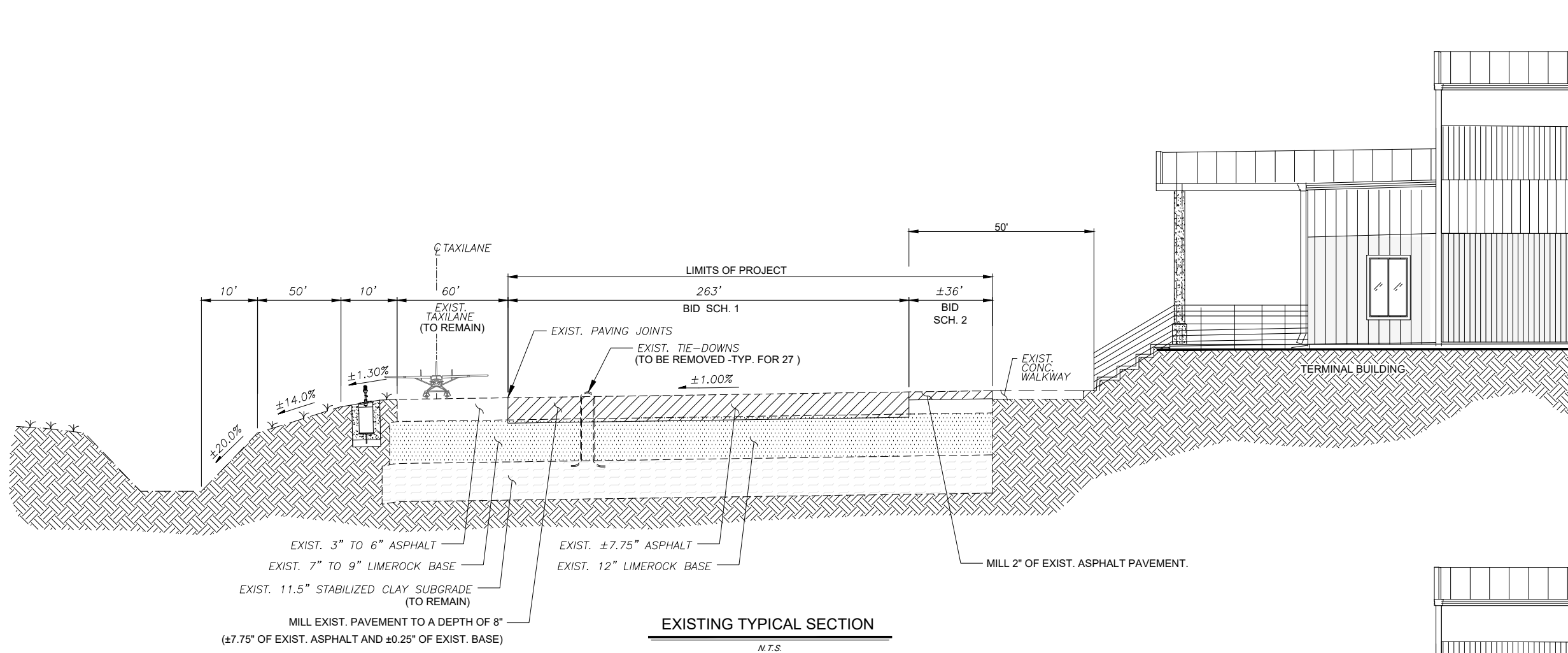
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C2.1

BID DOCUMENTS (NOT FOR CONSTRUCTION)

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CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE. SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

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Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

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NO.	DESCRIPTION	DATE	BY

Drawing Name:

**TYPICAL SECTIONS
AND DETAILS**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

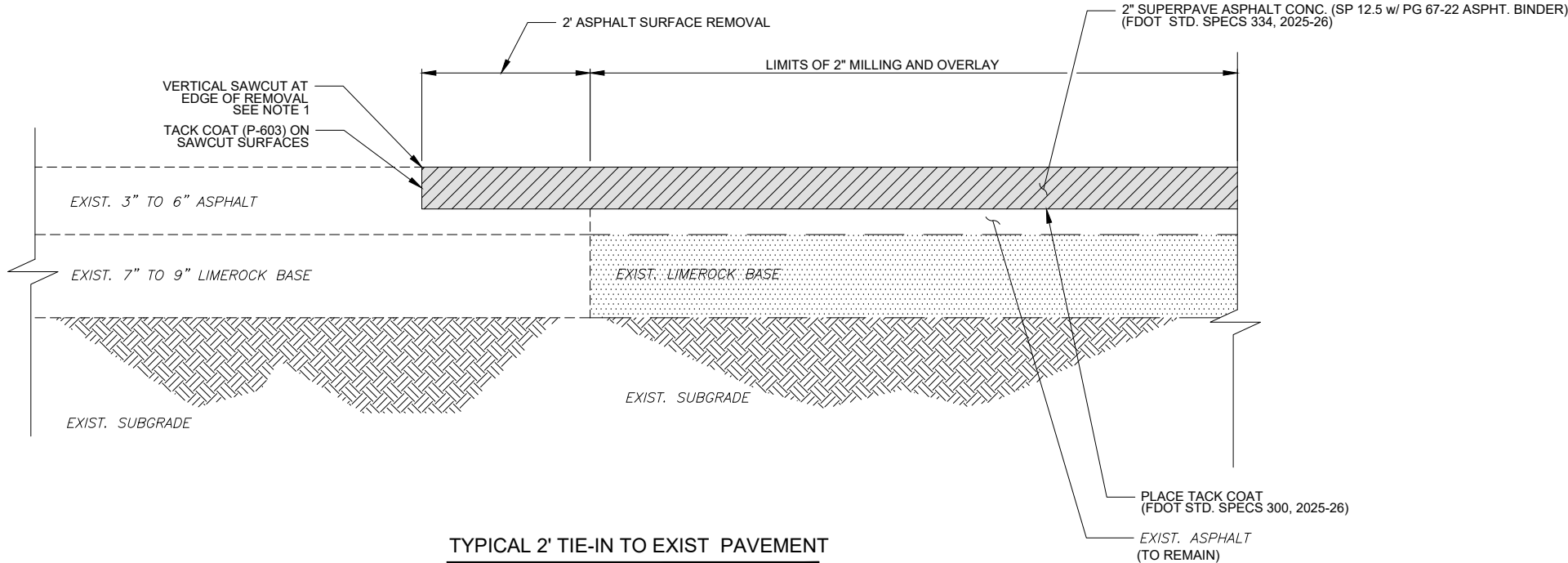
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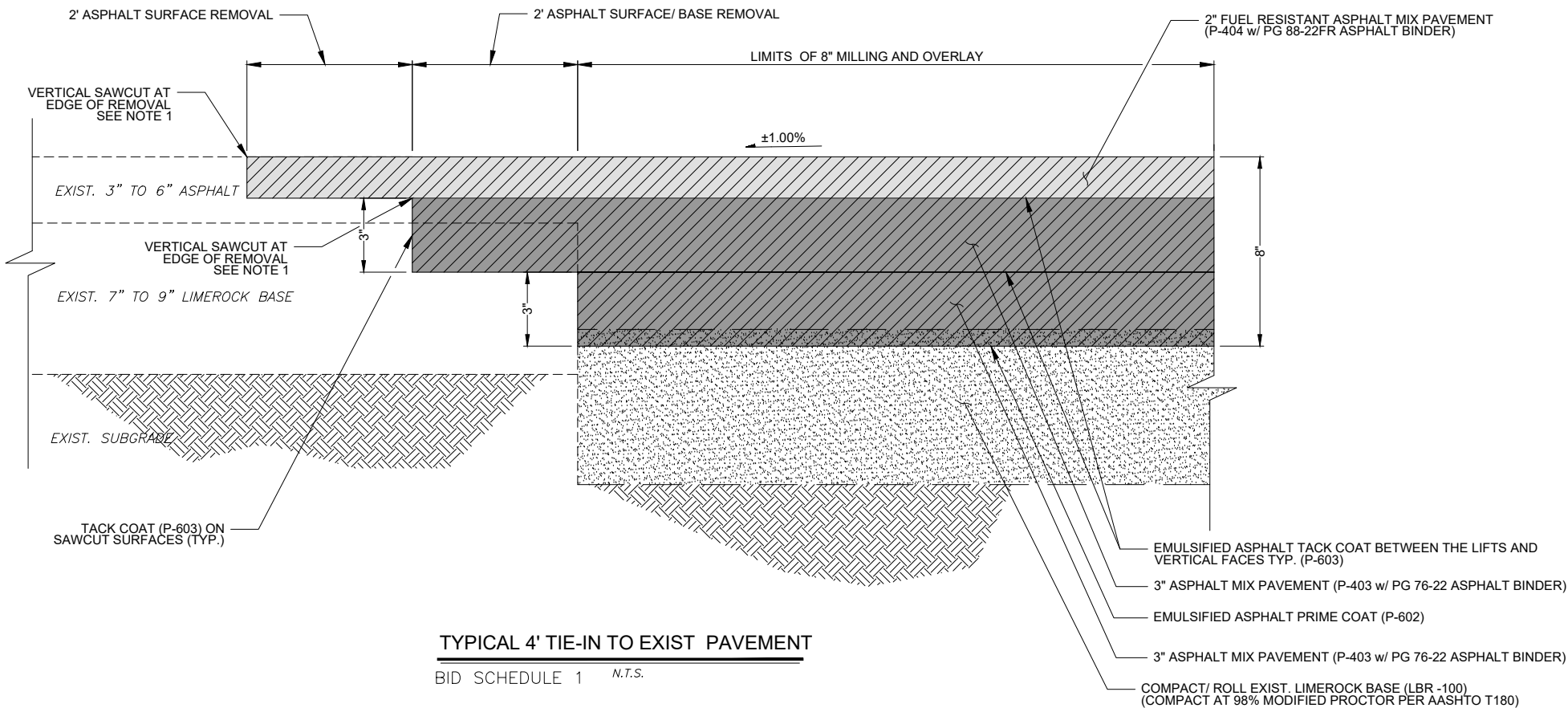
BID DOCUMENTS (NOT FOR CONSTRUCTION)

NOTES:

1. SAWCUT EXISTING ASPHALT TO NEAT STRAIGHT (OR CURVED WHERE INDICATED) VERTICAL LINES IN SOUND PAVEMENT. REMOVE EXISTING BASE COURSE TO NEAT VERTICAL LINES. MAINTAIN EDGE OF PAVEMENT TO NEAT SQUARE LINES. RAVELING OR DAMAGE AT EDGES THAT ARE UNACCEPTABLE TO THE ENGINEER SHALL BE RE-SAWCUT FOR ENTIRE LENGTH OF THE JUNCTURE AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE BEFORE PLACEMENT OF THE NEW BASE OR SURFACE COURSE.



TYPICAL 2' TIE-IN TO EXIST PAVEMENT
BID SCHEDULE 2 N.T.S.



TYPICAL 4' TIE-IN TO EXIST PAVEMENT
BID SCHEDULE 1 N.T.S.



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CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE. SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
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Project Name:

**TERMINAL
APRON
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Designer:

AM

Checked By:

HJ

Technician:

AM

ICE Project Name:

24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

TYPICAL SECTIONS

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

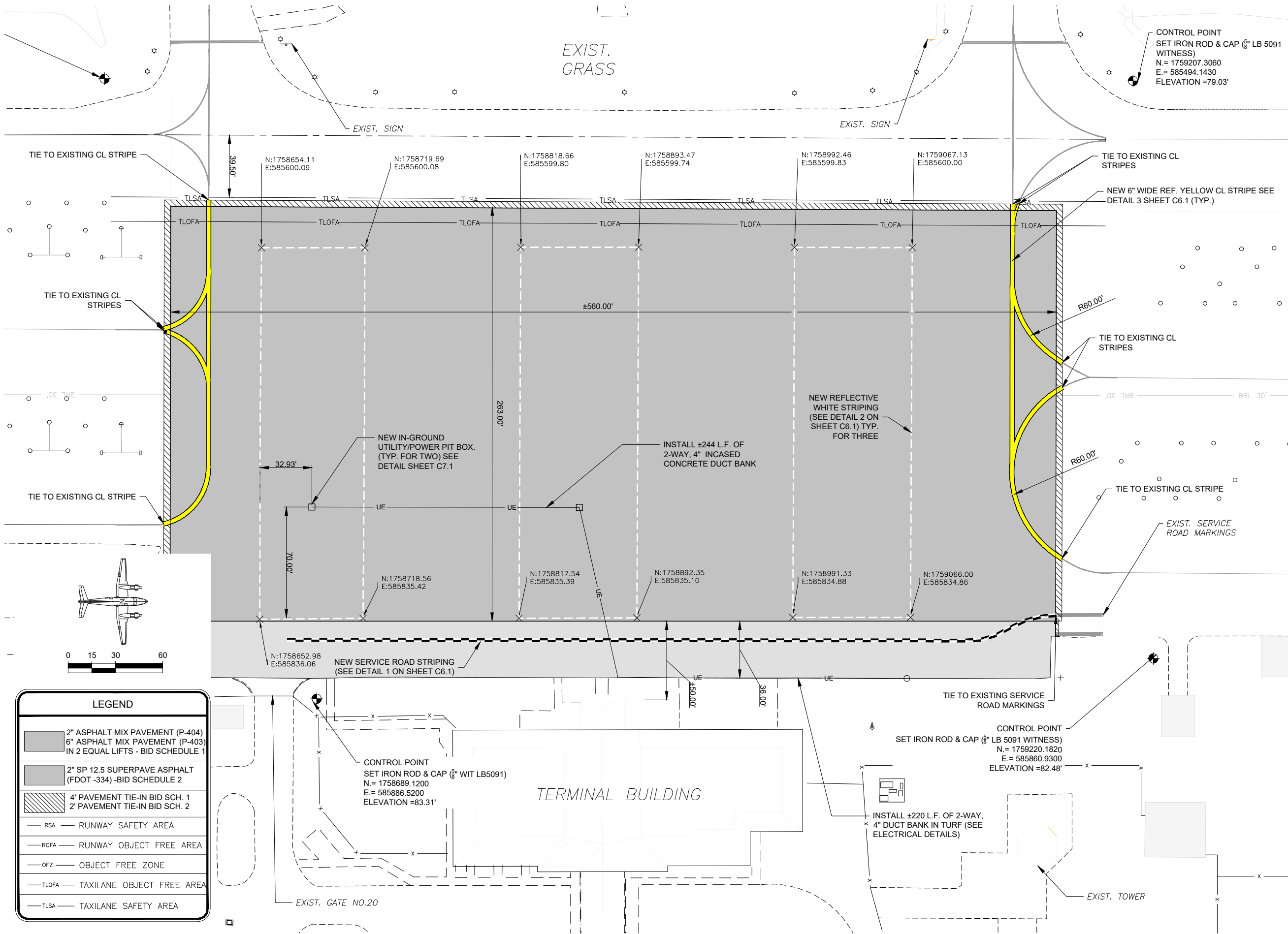
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C3.2

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CONSULTING & ENGINEERING

5550 WEST IDLEWILD AVE. SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
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REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

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Drawing Name:

**PAVEMENT LAYOUT AND
MARKING PLAN**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

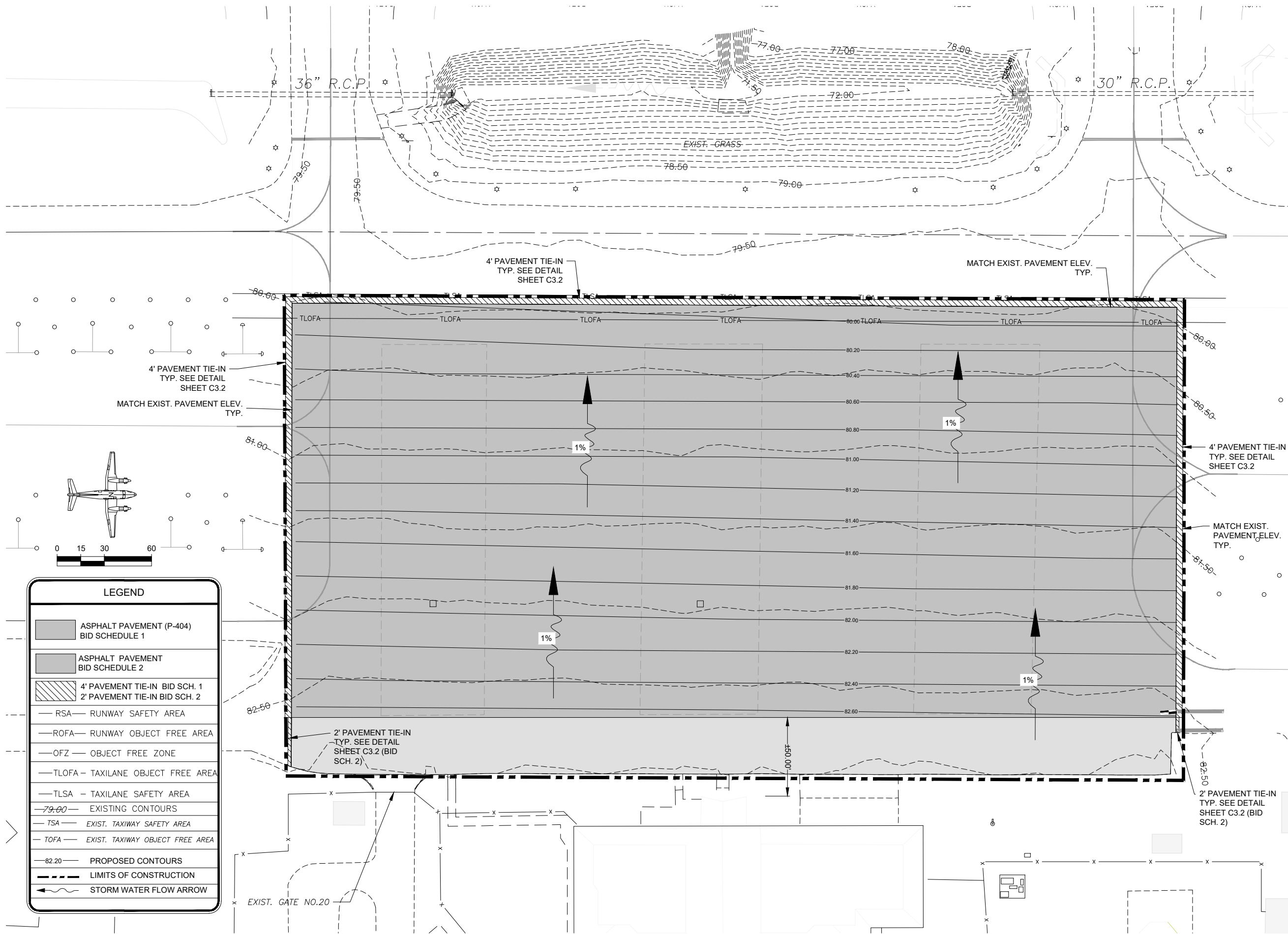
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BID DOCUMENTS (NOT FOR CONSTRUCTION)

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CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE. SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:
AM

Checked By:
HJ

Technician:
AM

ICE Project Name:
24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

**GRADING &
DRAINAGE PLAN**

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

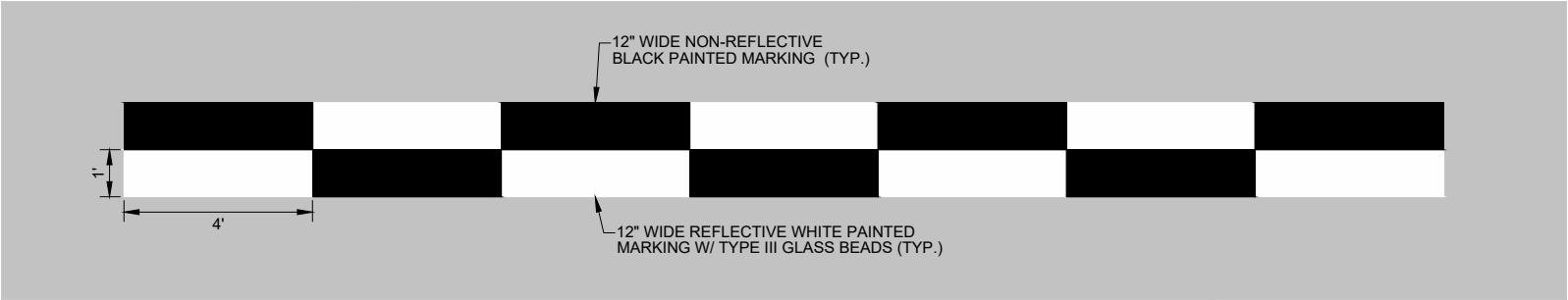
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MAR 2025

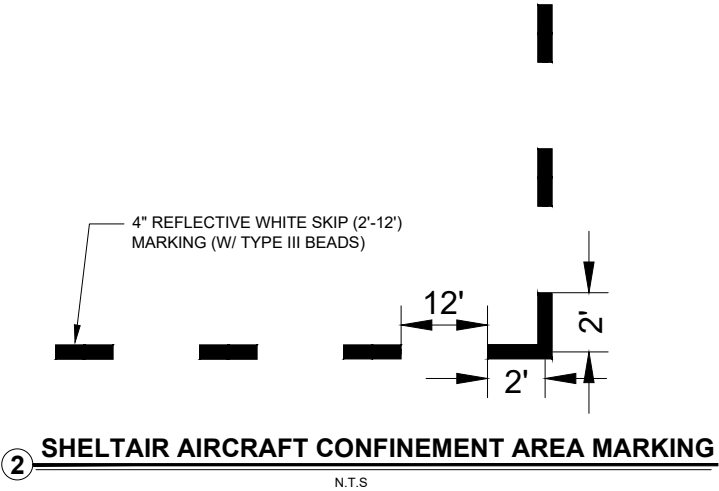
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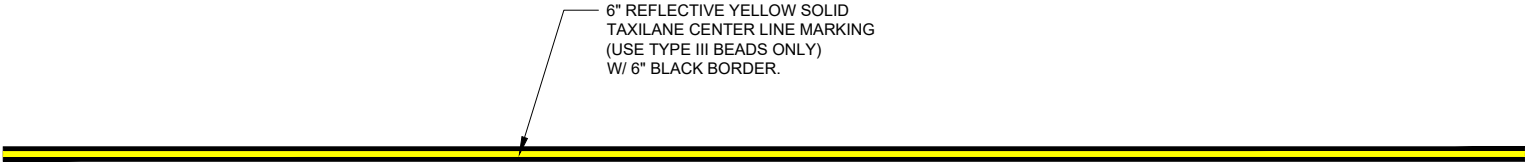
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1 **SERVICE ROAD STRIPING DETAIL**
N.T.S



2 **SHELTAIR AIRCRAFT CONFINEMENT AREA MARKING**
N.T.S



3 **TAXILANE CENTERLINE MARKING**
N.T.S



Project Name:

TERMINAL
APRON
REHABILITATION

Designer: AM	Checked By: HJ
Technician: AM	ICE Project Name: 24-227

Engineer of Record:

NOTES:

REVISIONS			
NO.	DESCRIPTION	DATE	BY

Drawing Name:

MARKING DETAILS

FAA A.I.P. Project No.: 3-12-0055-034-2024	
FDOT Project No.: 455217-1-94-01 (G3474)	
Date: MAR 2025	Sheet Number: C6.1



- WATERPROOF AIRFIELD RATED CORRUGATED HATCH
- REFLECTIVE RED CAUTION MARKING
- EXPANSION JOINT
- P-610 CONCRETE FRAME
- POWER OUTLET / FRAME
- RECEPTACLE TO MATCH



NEW UNDERGROUND HATCH MINI PIT SYSTEM FULL ASSEMBLY

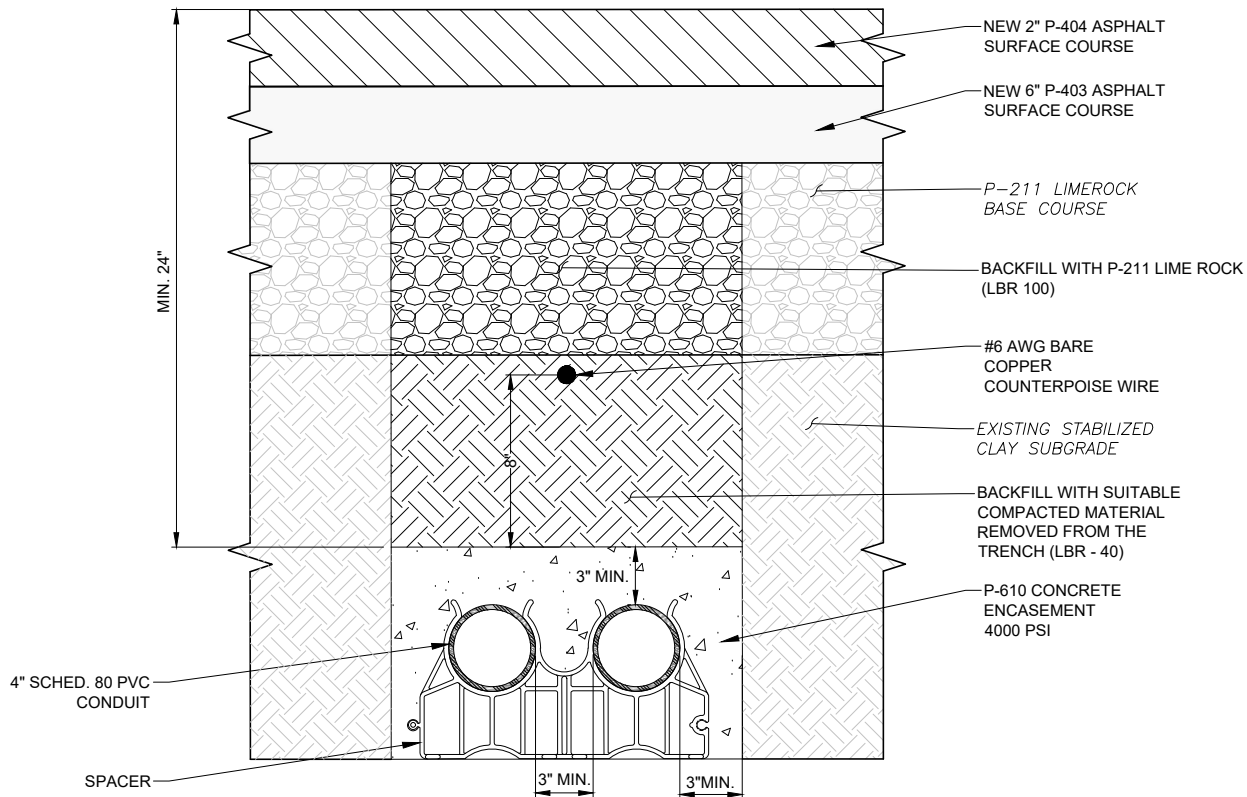
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NOTES:

- REQUIRED 50 HZ AC POWER NEW AIRCRAFT SOCKETS ARE FITTED TO UPPER PART OF THE HATCH FOR EASE OF OPERATION. REQUIRED TO HAVE ONLY ONE A MAIN POWER DISCONNECT/ BREAKER.
- WATERPROOF CORRUGATED HATCH LOAD CAPACITY: F900 (90T/M²).
- THE HATCH MUST BE PROTECTED FROM SPARK FORMATION CAUSED BY COLLISIONS WITH METAL OBJECTS.
- REQUIRED TO HAVE WATER/ SUMP PUMP WATER LEVEL DETECTOR.
- ALL COMPONENTS SHALL BE EXPLOSION PROOF.
- EXPLOSION PROOF CABLES WILL BE PROVIDED AND INSTALL BY OTHERS.
- ALL COMPONENTS SHALL BE ATEX/ UL CERTIFIED AND MEET NFPA 70 (NEC), NFPA 415, AND FAA REQUIREMENTS.

EXIST. 60A 3 PHASE, 250VAC OUTLET, GPU & MAIN BREAKER PANEL PHOTOS

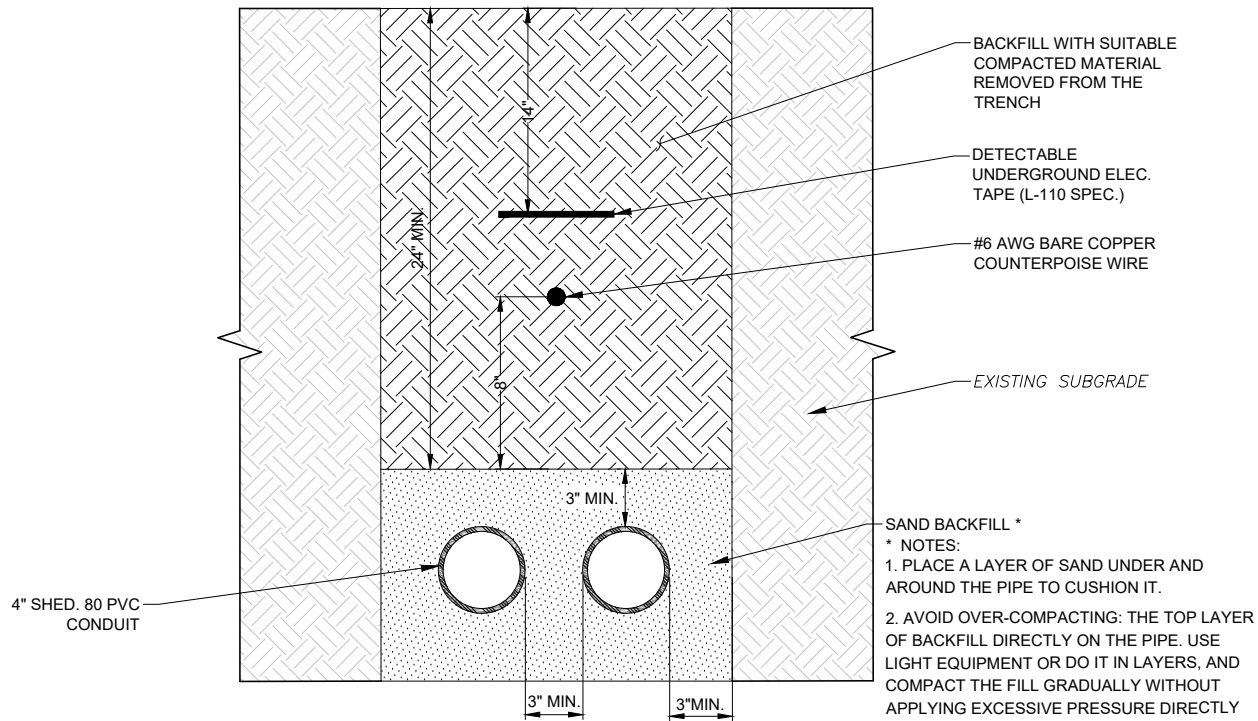
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2-WAY, 4" DUCT BANK IN FULL-STRENGTH PAVEMENT

SCALE: NTS

- COST OF TRENCHING/ EXCAVATION, AND COMPACTION SHALL BE INCIDENTAL TO THE L-110-5 PAY ITEM NUMBER. (BID SCHEDULE 1)



2-WAY, 4" DUCT BANK IN TURF

SCALE: NTS

- COST OF TRENCHING/ EXCAVATION, COMPACTION, AND DETECTABLE UNDERGROUND TAPES SHALL BE INCIDENTAL TO THE L-110-5 PAY ITEM NUMBER. (BID SCHEDULE 2)



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CONSULTING & ENGINEERING
5550 WEST IDLEWILD AVE. SUITE 115
TAMPA, FLORIDA 33634 (813) 330-2701
CERTIFICATE OF AUTHORIZATION NO.: 30862

Project Name:

**TERMINAL
APRON
REHABILITATION**

Designer:

AM

Checked By:

HJ

Technician:

AM

ICE Project Name:

24-227

Engineer of Record:

NOTES:

REVISIONS

NO.	DESCRIPTION	DATE	BY

Drawing Name:

ELECTRICAL DETAILS

FAA A.I.P. Project No.:

3-12-0055-034-2024

FDOT Project No.:

455217-1-94-01 (G3474)

Date:

MAR 2025

Sheet Number:

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