PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

ISSUED FOR BID
FEBRUARY 2026

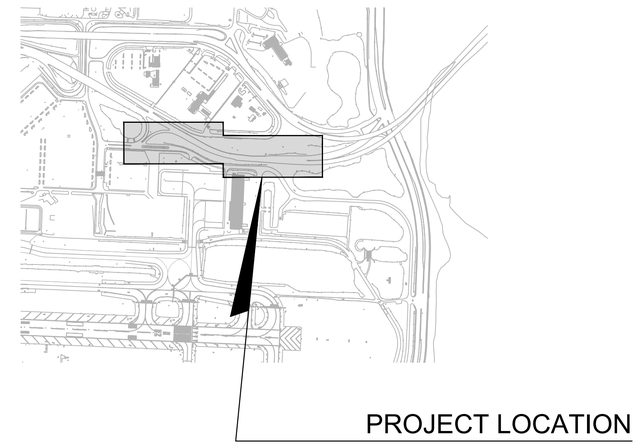
AIR CARGO ACCESS IMPROVEMENTS

PROJECT NO. PB 25-9

VICINITY MAP

PREPARED FOR:

LOCATION MAP



PALM BEACH COUNTY DEPARTMENT OF AIRPORTS

PREPARED BY:

3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

IN PARTNERSHIP WITH:

CHEN MOORE AND ASSOCIATES
3150 SW 38th AVE SUITE 950, MIAMI, FL 33146

QUANTUM ELECTRICAL ENGINEERING, INC.
2755 VISTA PARKWAY, SUITE I-9
WEST PALM BEACH, FL 33411

BROWN & PHILLIPS, INC.
1860 OLD OKEECHOBEE ROAD, SUITE 509
WEST PALM BEACH, FL 33409

TIERRA SOUTH FLORIDA INC.
2765 VISTA PARKWAY, SUITE 10
WEST PALM BEACH, FL 33411

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

MARIA G. MARINO	DISTRICT 1
GREG K. WEISS	DISTRICT 2
JOEL G. FLORES	DISTRICT 3
MARCI WOODWARD, VICE MAYOR	DISTRICT 4
MARIA SACHS	DISTRICT 5
SARA BAXTER, MAYOR	DISTRICT 6
BOBBY POWELL JR.	DISTRICT 7

COUNTY ADMINISTRATOR
VERDENIA C. BAKER

DEPARTMENT OF AIRPORTS
LAURA BEEBE, DIRECTOR OF AIRPORTS
GARY SYPEK, SENIOR DEPUTY DIRECTOR OF AIRPORTS
AIRPORT DEVELOPMENT

PROJECT CONTROLS	
D.O.A. PROJECT NO.:	PB 25-9
HDR PROJECT NO.:	10199929
FDOT FM NO.:	448077-1

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		BASE BID
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2	G-00.02	INDEX OF SHEETS
3	G-00.03	SUMMARY OF QUANTITIES
4	G-00.04	GENERAL NOTES
5	G-00.05	CONSTRUCTION SPECIFICATIONS
6	G-01.01	GENERAL SITE PLAN
7	G-02.01	TEMPORARY TRAFFIC CONTROL PLANS
8	G-02.02	TEMPORARY TRAFFIC CONTROL PLAN PHASE 1A
9	G-02.03	TEMPORARY TRAFFIC CONTROL PLAN PHASE 1B
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SEE BID ALTERNATE SHEET INDEX FOR ADDITIONAL BIDDING INFORMATION PERTAINING TO THE ALTERNATE WORK.

DIGITAL DESIGN SIGNATURES

CIVIL

[DIRECTION TO DRAFTER: AFFIX P.E. STAMP HERE]

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL.

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HDR ENGINEERING, INC
3230 W COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309
EMILIO CORRALES. FL PE NO. 70657

DIGITAL DESIGN SIGNATURES

DRAINAGE

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CHEN MOORE AND ASSOCIATES
3150 SW 38TH AVE SUITE 950
MIAMI, FL 33146
ERIC HARRISON, RLA. FL REGISTRATION NO. 6667129

DIGITAL DESIGN SIGNATURES

ELECTRICAL

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QUANTUM ELECTRICAL ENGINEERING, INC.
2755 VISTA PARKWAY, SUITE I-9
WEST PALM BEACH, FL 33411
JAMES W. KAPPES. FL PE NO. 71499

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DESIGNED BY: J. RODRIGUEZ
DRAWN BY: G. COLOME
CHECKED BY: H. GUTIERREZ
SUBMITTED BY: E. CORRALES
ISSUE DATE: FEBRUARY 2026
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

INDEX OF SHEETS

SHEET ID
G-00.02

ISSUED FOR BID

Summary of Quantities

Item No.	FDOT PI No.	Spec	Description	Quantity	Unit
1	0102-1	101	MOBILIZATION	1	LS
2	0102-1	102	MAINTENANCE OF TRAFFIC	1	LS
3			TEMPORARY EROSION AND POLLUTION CONTROL	1	LS
4	0110-1-1	110	CLEARING & GRUBBING	6300	SY
5	0120 -1	120	REGULAR EXCAVATION	1000	CY
6	0120-6	120	EMBANKMENT	300	CY
7	0160-4	160	TYPE B STABILIZATION	2900	SY
8	0285-709	285	OPTIONAL BASE, BASE GROUP 09	2500	SY
9	0327-70-5	327	MILLING EXISTING ASPHALT PAVEMENT, 2" AVG DEPTH	3200	SY
10	0334 -1-13	334	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	620	TN
11	0337-7-82	337	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5	160	TN
12	0425-4	425	INLETS, ADJUST	1	EA
13	0520-1-10	520	CONCRETE CURB & GUTTER, TYPE F	250	LF
14	0570-1-2	570	PERFORMANCE TURF, SOD	1	LS
15	0710-11101	710	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6" (MOT)	1.1	GM
16	0710-11125	710	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24" (MOT)	70	LF
17	0710-11201	710	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6" (MOT)	0.4	GM
18	0710-11241	710	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6" (MOT)	0.01	GM
19	260000-1	2600	ONE 1" SCHEDULE 40 PVC CONDUIT DIRECT BURIED IN EARTH, COMPLETE IN PLACE.	75	LF
20	260000-2	2600	ONE 2" SCHEDULE 40 PVC CONDUIT DIRECT BURIED IN EARTH, COMPLETE IN PLACE.	25	LF
21	260000-3	2600	ONE 2" HDPE/SCHEDULE 40 PVC CONDUIT DIRECTIONAL BORED 48" DEEP BENEATH EXISTING PAVEMENT, COMPLETE IN PLACE.	200	LF
22	260000-4	2600	#6, XHHW CONDUCTOR INSTALLED IN NEW AND EXISTING CONDUIT SYSTEM, COMPLETE IN PLACE.	900	LF
23	260000-5	2600	ROADWAY LIGHT FIXTURE, BRACKET ARM, POLE AND CONCRETE BASE INSTALLED IN EARTH, COMPLETE IN PLACE.	1	EA
24	260000-6	2600	PULL BOX 13"X24"X12" WITH TRAFFIC RATED COVER INSTALLED IN EARTH, COMPLETE IN PLACE.	1	EA
25	260000-7	2600	REMOVE LIGHT POLE AND CONCRETE BASE, COMPLETE.	1	EA
26			GENERAL SITE WORK/DEMOLITION/ROOT PRUNNING/CLEARING AND GRUBBING	18922	SF
27			REMOVAL EXISTING TREES	20	EA
28			SINGLE TRUNK PALM RELOCATION (ON-SITE) <15, CT	1	EA
29			SINGLE TRUNK PALM RELOCATION (ON-SITE) >15, CT	1	EA
30			TREE PRESERVATION FENCING	2403	LF
31			LIVE OAK - 16'-18' HT, 6" CAL	11	EA
32			SOD - ST. AUGUSTINE GRASS	44117	SF

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DESIGNED BY: J. RODRIGUEZ
DRAWN BY: G. COLOME
CHECKED BY: H. GUTIERREZ
SUBMITTED BY: E. CORRALES
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PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
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PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

SUMMARY OF QUANTITIES

SHEET ID
G-00.03

ISSUED FOR BID

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE PALM BEACH COUNTY DEPARTMENT OF AIRPORTS (PBCDOA), PALM BEACH COUNTY (PBC), THE FEDERAL AVIATION ADMINISTRATION (FAA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), THE TRANSPORTATION SECURITY ADMINISTRATION (TSA), THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) AND OTHER GOVERNING AGENCIES.

2. IT IS THE INTENT THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (FY2024-2025) TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (FY2024-2025), AND THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION BE USED WHERE APPLICABLE FOR THE VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF FLORIDA AND ITS DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THE WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY; THEREBY MAKING SUCH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" TOGETHER WITH THE "FDOT STANDARD PLANS FOR ROAD CONSTRUCTION" AS THE "STANDARD SPECIFICATIONS" FOR THIS PROJECT. IF WITHIN PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS ALSO. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

3. PALM BEACH INTERNATIONAL AIRPORT (PBIA) AND ALL FEDERAL, STATE AND LOCAL ROADS WILL BE IN OPERATION DURING THE CONSTRUCTION OF THIS PROJECT. COORDINATION OF WORK WITH THE PBCDOA, FAA, FDOT, PBC AND LOCAL ATCT REPRESENTATIVES IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.

4. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING ON THE AIRPORT. CONTRACTOR COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO REQUIRED PRIOR TO AND DURING CONSTRUCTION.

5. HAUL ROUTES - THE CONTRACTOR'S ON- AND OFF-AIRPORT HAUL ROUTES AND CONSTRUCTION ACCESS SHALL BE EXISTING HAUL ROADS WHERE AVAILABLE. ANY DEBRIS (WHETHER CAUSED BY THE CONTRACTOR OR NOT) SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-AIRPORT HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-AIRPORT ROADS USED AS HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE MAINTAINED AND STABILIZED BY THE CONTRACTOR AS REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT THROUGHOUT THE DURATION OF THIS PROJECT AND SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO THEIR ORIGINAL CONDITION UPON COMPLETION OF USE, UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER. THE BEFORE AND AFTER CONDITION OF ON- AND OFF-AIRPORT HAUL ROUTES/CONSTRUCTION ACCESS SHALL BE JOINTLY INSPECTED AND PHOTOGRAPHED BY THE CONSTRUCTION MANAGER AND CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR AND CONSTRUCTION MANAGER SHALL MUTUALLY AGREE IN WRITING THE EXISTING CONDITION OF ALL HAUL ROUTES AND CONSTRUCTION ACCESS ROADS UTILIZED FOR THIS PROJECT. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT/REMOVE TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO COMMENCING THE WORK. ALL ON-AIRPORT ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES. ON- AND OFF-AIRPORT HAUL ROUTES AND CONSTRUCTION ACCESS ROADS SHALL BE INSPECTED AND CLEANED DAILY BY THE CONTRACTOR INCLUDING REMOVAL OF CONSTRUCTION DEBRIS SUCH AS MILLINGS, BITUMINOUS SURFACE COURSE, AND TACK COAT MATERIAL TRACKED DURING HAULING AND TRANSPORTING OPERATIONS. ROADWAY TRAFFIC MARKINGS OBSCURED BY THE CONTRACTOR'S ACTIVITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IN ACCORDANCE WITH PBCDOA AND FDOT PAVEMENT MARKING STANDARDS AT THE COMPLETION OF THE PROJECT. SPECIAL ATTENTION SHALL BE MADE BY THE CONTRACTOR AT LOCATIONS SUCH AS SIGNALIZED INTERSECTIONS WHERE TACK COAT MATERIAL HAS THE ABILITY TO BUILD-UP ON THE PAVEMENT SURFACE CREATING A POTENTIAL SAFETY HAZARD FOR THE TRAVELING PUBLIC AND CONTRACTOR EMPLOYEES. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR CONTRACTOR INSPECTIONS, CLEANING OF DEBRIS, RESTRIPING AND ANY OTHER REPAIRS MADE TO HAUL ROUTES AND CONSTRUCTION ACCESS ROADS AS DIRECTED BY THE CONSTRUCTION MANAGER AND THE PBCDOA. ON- AND OFF-AIRPORT ROADS ANTICIPATED TO REQUIRE INSPECTION, CLEANING OF DEBRIS, RESTRIPING AND ANY OTHER REPAIRS INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
   - JAMES L TURNAGE BOULEVARD
   - AUSTRALIAN AVENUE
   - AIRPORT PERIMETER ROAD

6. CONTRACTOR'S STAGING AREAS - AN AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON SHEET G-01.01. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, FENCE, TREES, ETC. WITHIN THE STAGING AREA AND THE SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION UPON COMPLETION OF USE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PROTECTION OR RESTORATION.

7. DISPOSAL AREAS - MATERIAL NOT STOCKPILED FOR USE ON THIS PROJECT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.

8. IF ANY UNUSUAL ODORS, SOIL STAINS OR BURIED WASTES ARE ENCOUNTERED, STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND/OR CONSTRUCTION MANAGER.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE WORK AREA AND COORDINATING THE OVERALL SECURITY OF THE WORK AREA AND MATERIAL STORAGE AND STAGING AREAS WITH THE OWNER.

10. PROTECTION AND REPAIR OF EXISTING UTILITIES - APPROXIMATE LOCATIONS OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY VISUAL, ELECTRICAL AND HAND EXCAVATION OR OTHER METHODS IN COORDINATION WITH ALL UTILITY COMPANIES AND PBCDOA FACILITIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE CONSTRUCTION MANAGER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. REPAIRS TO EXISTING UTILITIES DAMAGED BY CONTRACTOR ACTIVITIES SHALL BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETE. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF AN FAA REPRESENTATIVE. THE FAA MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS, IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS AT NO ADDITIONAL EXPENSE TO THE OWNER.

11. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED STAGING AREA, CONSTRUCTION LIMITS AND HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS ARE FURTHER DEFINED IN THE NOTES AND PLANS ON SHEET G-01.01 FOR CONSTRUCTION SAFETY, PHASING AND MAINTENANCE OF TRAFFIC.

12. WORK PERFORMED UNDER THIS CONTRACT WILL NOT BE CONSIDERED COMPLETE UNTIL FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER AND RECEIPT AND APPROVAL OF THE FOLLOWING DOCUMENTS:
    A) CONTRACTOR'S WAIVER AND RELEASE OF LIEN.
    B) ABSOLUTE BILL OF SALE.
    C) CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT).
    D) CONTRACTOR AS-BUILTS.
    E) FINAL PUNCH LIST COMPLETED AND ACCEPTED BY THE CONSTRUCTION MANAGER.

14. IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PREVAILING WAGE RATES SHALL BE POSTED AT THE CONTRACTOR STAGING AREA IN A WEATHERPROOF ENCLOSURE AND COPIES SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER AND THE OWNER.

15. THE CONTRACTOR SHALL COOPERATE WITH AIRPORT AUTHORITIES, USERS, TENANTS AND FIRE DEPARTMENT WHILE WORKING ON THIS PROJECT.

16. THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT SHALL BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE, AND SHALL BE AVAILABLE IN CASE OF EMERGENCIES ON A 24-HOUR BASIS AND SHALL BE FLUENT IN SPOKEN ENGLISH.

17. REQUESTS FOR FIELD CHANGES OR DEVIATIONS MUST BE SUBMITTED IN WRITING TO THE ENGINEER. ENGINEER WILL HAVE UP TO TWO WEEKS TO RESPOND TO REQUESTED CHANGES. THE ENGINEER'S REVIEW TIME IS NOT PERMITTED TO BE INCLUDED IN REQUEST FOR ADDITIONAL CONTRACT TIME.

18. CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THESE PLANS AND ALL STATE, COUNTY AND LOCAL REQUIREMENTS.

19. ALL LOCATIONS, DIMENSIONS AND ELEVATIONS MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD BEFORE COMMENCING WORK. ANY DISCREPANCY MUST BE BROUGHT, IN WRITING, TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

20. CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ANY AND ALL PIPES, DUCTS AND CABLES FOUND DURING EXCAVATION. INDICATE EXACT POSITION, ELEVATION, DIRECTION, SIZE, MATERIAL, PURPOSE AND ACTIVE STATUS IF KNOWN.

21. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING ABOVE GROUND IMPROVEMENTS THAT ARE TO REMAIN IN PLACE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.

22. CONSTRUCTION EQUIPMENT SHALL BE PARKED ONLY WITHIN THE CONTRACTOR'S STAGING AND STORAGE AREA OUTSIDE ESTABLISHED HOURS OF CONSTRUCTION.

23. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THE SITE FREE OF TRASH. ALL TRASH SHALL BE TOTALLY REMOVED FROM THE WORK AREA BEFORE THE END OF EACH WORK PERIOD.

24. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL CLEAN AND RESTORE THE SITE. ALL RUBBISH AND OTHER MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY AT CONTRACTOR'S DISCRETION AND EXPENSE. THE CONTRACTOR SHALL RESTORE ALL GRASSED AND PAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITY TO THEIR PRE CONSTRUCTION CONDITION.

25. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF THE WORK AREA. THE CONTRACTOR SHALL CONDUCT VACUUM CLEANING OF AFFECTED PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS PER EACH PHASE. CONTRACTOR SHALL CONDUCT VACUUM CLEANING OF ACTIVE PAVEMENTS IMMEDIATELY FOLLOWING ANY ACCESS TO THE PAVEMENT WHICH WAS USED BY CONSTRUCTION TRAFFIC.

26. ALL CONSTRUCTION STAKEOUT SHALL BE BY A QUALIFIED FLORIDA REGISTERED LAND SURVEYOR, AND IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY DEVIATIONS FROM EXISTING GRADES AS SHOWN ON THE PLANS SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER IN WRITING. EXISTING AIRPORT SURVEY MONUMENTS ARE LOCATED NEAR THE CONSTRUCTION AREA. THE CONTRACTOR SHALL AT THEIR EXPENSE, HAVE A QUALIFIED FLORIDA REGISTERED LAND SURVEYOR REPLACE ANY DISTURBED MONUMENT.

27. ANY UNITED STATES COAST AND GEODETIC SURVEY (U.S.C.&G.S.) MONUMENTATION WITHIN THE CONSTRUCTION LIMITS SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY:
    THE NATIONAL GEODETIC SURVEY, INFORMATION SERVICE BRANCH, NOAA, N/NGS12
    1315 EAST-WEST HIGHWAY, ATTENTION SSMC-3 #9202
    SILVER SPRING, MARYLAND 20910-3282
    TELEPHONE: (301) 713-3242

28. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

29. SPECIFICATIONS ARE PROVIDED UNDER 104 WHICH REQUIRE THE CONTRACTOR TO APPLY EITHER WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH WILL BE OBJECTIONABLE TO THE OPERATIONS OR USERS OF THE AREA. ALL COST FOR CONTROLLING DUST OR POLLUTANTS OF ANY KIND SHALL BE PAID FOR UNDER EROSION CONTROL.

30. THE EXACT LIMITS, LIGHTING AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH APPROVAL OF THE OWNER IN AREAS GENERALLY AS SHOWN ON THE PLANS. ANY AND ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY AGENCIES. UTILITY ARRANGEMENTS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. THE CONTRACTOR SHALL USE THE STORAGE AND STAGING AREA SHOWN ON THE PLANS FOR ITS SHOP, MATERIAL AND EQUIPMENT STORAGE AND OTHER PROJECT RELATED ACTIVITIES, INCLUDING EMPLOYEE PARKING. ALL COSTS ASSOCIATED WITH PREPARING THE STORAGE AND STAGING AREA SITE SHALL BE BORNE BY THE CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO, CLEARING AND GRADING OF THE SITE, CONSTRUCTION OF ALL TEMPORARY UTILITIES, ACCESS ROADS, ALL SECURITY FENCING, CLEANUP AND RESTORATION OF SITE TO ORIGINAL CONDITION.

31. DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS ONLY. LARGE SCALE PLANS GOVERN OVER SMALL SCALE PLANS.

32. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF THEIR WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

33. COMPENSATION FOR OPERATIONS THAT ARE NECESSARY TO CONTROL EROSION AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SHALL BE ACCORDING TO SPECIFICATION 104 UNLESS SPECIFIC PAY ITEMS ARE SPECIFIED HEREIN.

34. ALL DEMOLITION WORK AND REMOVAL OF CONSTRUCTION DEBRIS SHALL BE CONDUCTED DURING HOURS APPROVED BY THE OWNER WITHOUT THE INTERRUPTION OF NORMAL AIRPORT DAILY ACTIVITIES.

35. CONTRACTOR SHALL PROVIDE CONSTRUCTION SITE ACCESS TO THE OWNER AND ITS REPRESENTATIVES FOR INSPECTION PURPOSES.

36. WHENEVER, IN THE CONTRACT DOCUMENTS, THE WORDS "PROVIDE", "FURNISH", "INSTALL", "FURNISH AND INSTALL", OR OTHER WORDS OF LIKE IMPORT ARE USED, IT SHALL BE UNDERSTOOD THAT THE INTENT OF THE CONTRACT DOCUMENTS IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL OF THE WORK DESCRIBED. IT IS FURTHER INTENDED THAT THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, TESTING AND INCIDENTALS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS (PLANS), SPECIFICATIONS AND TERMS OF THE CONTRACT.

37. ALL FEES INCLUDING, BUT NOT LIMITED TO, CERTIFICATE OF OCCUPANCY, PERMIT FEES, AND INSPECTION FEES NORMALLY PAYABLE BY THE CONTRACTOR TO THE COUNTY BY VIRTUE OF THIS PROJECT WILL BE PAID FOR BY THE COUNTY UPON 10 WORKING DAYS NOTIFICATION. PERMITS AND FEES WHICH ARE REQUIRED BY ANY OTHER GOVERNMENTAL AGENCY FOR THE INITIAL BUILDING PERMIT FEE HAVE BEEN PAID FOR THE COUNTY. ANY SUB-FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE REQUIREMENT THAT ALL CONTRACTORS AND SUBCONTRACTORS OF ANY TIER BE PROPERLY LICENSED OR CERTIFIED IS NOT WAIVED AND NO FEES REQUIRED TO BE PAID BY ANY CONTRACTOR OR SUBCONTRACTOR RELATED TO LICENSING AND CERTIFICATION ARE BEING WAVED. ALL CONTRACTORS AND SUBCONTRACTORS, IDENTIFIED IN THE BID DOCUMENTS, WHO WORK IN TRADES REQUIRED TO BE LICENSED OR CERTIFIED BY THE PALM BEACH COUNTY CONSTRUCTION INDUSTRY LICENSING BOARD ARE REQUIRED TO HAVE SUCH LICENSES OR CERTIFICATES IN PLACE AT THE TIME OF BID SUBMISSION.

38. A 45 DAY MINIMUM NOTICE IS REQUIRED FOR ANY WORK INVOLVING A FAA OR AIRPORT COMM MANHOLE OR FAA EQUIPMENT. THE NOTICE IS APPLICABLE ANYTIME THE MANHOLE IS OPENED OR ANY WORK INVOLVING CABLES BETWEEN OR WITHIN THE MANHOLES OR ANY WORK IMPACTING FAA EQUIPMENT.

39. ALL PROPOSED GRADES ARE BASED ON NAVD88 DATUM.

40. THIS PROJECT IS WITHIN 10 NAUTICAL MILES OF PALM BEACH INTERNATIONAL AIRPORT AND PALM BEACH COUNTY PARK/LANTANA AIRPORT.

    ALL PERMANENT FEATURES OF THE PROJECT HAVE BEEN FOUND IN COMPLIANCE WITH FEDERAL AVIATION ADMINISTRATION (FAA) 14 CFR PART 77 (§77.7).

    CONTACT APPROPRIATE FAA PERSONNEL TO COORDINATE SUCH COMPLIANCE FOR CONSTRUCTION OPERATIONS AND EQUIPMENT TO BE USED ON THE PROJECT SITE. BE AWARE THAT 14 CFR PART 77 (§77.7) ESTABLISHES THAT NOTIFICATION MUST BE SUBMITTED 45-DAYS PRIOR TO CONSTRUCTION ACTIVITIES WHICH MAY IMPACT AIRPORT-CONTROLLED AIRSPACE OR FACILITIES. GIVEN THE TIME REQUIRED TO CONDUCT AN AERONAUTICAL STUDY, A 45-60 DAY ADVANCE FILING IS RECOMMENDED TO ACCOMMODATE THE REVIEW PROCESS AND ALLOW TIMELY ISSUANCE OF THE FAA DETERMINATION LETTER.

    SEE HTTPS://WWW.FAA.GOV/AIRPORTS/CENTRAL/ENGINEERING/PART77/ FOR ADDITIONAL INFORMATION. FILE THE REQUIRED NOTICE OF CONSTRUCTION COMMENCEMENT FROM (7460-2 PART 1) PRIOR TO STARTING WORK. FILE THE REQUIRED FORM (7460-2 PART 2) WITHIN 5 DAYS OF COMPLETION OF THE HIGHEST ELEMENT OF PERMANENT CONSTRUCTION

GENERAL PROJECT DESCRIPTION

1. THE REHABILITATION/RECONSTRUCTION OF PERIMETER ROAD AND JAMES L TURNAGE BOULEVARD GENERALLY CONSISTS OF:
   - PAVEMENT MILLING AND DEMOLITION;
   - EARTHWORK AND STORMWATER IMPROVEMENTS;
   - SUBBASE AND LIMEROCK BASE COURSE, BITUMINOUS SURFACE COURSE PAVING, AND PAVEMENT MARKING;
   - GRADING AND SODDING.

2. THE CONSTRUCTION OF THE NEW LOOP ON-RAMP GENERALLY CONSIST OF:
   - PAVEMENT DEMOLITION
   - EARTHWORK AND STORMWATER IMPROVEMENTS;
   - SUBBASE AND LIMEROCK BASE COURSE, BITUMINOUS SURFACE COURSE PAVING, AND PAVEMENT MARKING;
   - GRADING AND SODDING.

3. CONTRACTOR SHALL PROTECT AND NOT REMOVE ANY UTILITIES OR DRAINAGE FACILITIES WITHIN THE STAGING AREA.

4. CONTRACTOR TO PROVIDE MINIMUM 6' HIGH FENCE FOR THE STAGING AREA WITH A PRIVACY SCREEN. CONTRACTOR TO SUBMIT A SHOP DRAWING OF THE FENCE FOR ENGINEERS APPROVAL.

5. CONTRACTOR TO PROVIDE A MINIMUM OF 24' WIDE GATE, 6' HIGH WITH PRIVACY SCREEN. CONTRACTOR TO SUBMIT A SHOP DRAWING OF THE GATE FOR ENGINEER'S APPROVAL.

6. AT COMPLETION OF CONTRACT THE CONTRACTOR SHALL LEAVE THE HAUL ROAD AND STAGING AREA IN PRE-CONSTRUCTION. THIS INCLUDES RE-ESTABLISHING ACCEPTABLE TURF.

GENERAL DESCRIPTION OF STAGING, STORAGE AND STOCKPILE AREAS

1. CONTRACTOR STAGING, STORAGE AND STOCKPILE AREAS DESIGNATED FOR USE ON THIS PROJECT SHALL BE IN LOCATIONS AS SHOWN ON SHEET G-01.01

2. EXISTING SITE CONDITIONS CONSIST OF GENERALLY DISTURBED AREAS. SURFACES ARE GRASS, DRAINAGE CONVEYANCE DITCHES, STORMWATER MANAGEMENT FEATURES AND AOA SECURITY FENCING AND GATES.

ACRONYMS:

1. AC - ADVISORY CIRCULAR
2. ADG - AIRPLANE DESIGN GROUP
3. AGL - ABOVE GROUND LEVEL
4. AOA - AIRPORT OPERATIONS AREA
5. ARFF - AIRPORT RESCUE AND FIREFIGHTING
6. ASR - AIRPORT SURVEILLANCE RADAR
7. ATC - AIR TRAFFIC CONTROL
8. ATCT - AIRPORT TRAFFIC CONTROL TOWER
9. BMP - BEST MANAGEMENT PRACTICES
10. CBR - CALIFORNIA BEARING RATIO
11. CFR - CODE OF FEDERAL REGULATIONS
12. CSPP - CONSTRUCTION SAFETY & PHASING PLAN
13. DOA - DEPARTMENT OF AIRPORTS
14. DOT - DEPARTMENT OF TRANSPORTATION
15. EPA - ENVIRONMENTAL PROTECTION AGENCY
16. FAA - FEDERAL AVIATION ADMINISTRATION
17. FAR - FEDERAL AVIATION REGULATION
18. FBO - FIXED BASE OPERATOR
19. FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
20. FOD - FOREIGN OBJECT DEBRIS
21. FWC - FLORIDA FISH AND WILD LIFE CONSERVATION COMMISSION
22. LOC - LOCALIZER
23. MH - MANHOLE
24. MIRL - MEDIUM-INTENSITY RUNWAY LIGHTING
25. NAVAID - NAVIGATIONAL AID
26. NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
27. PAPI - PRECISION APPROACH PATH INDICATOR
28. PBI, PBIA - PALM BEACH INTERNATIONAL AIRPORT
29. PI - POINTS OF INTERSECTION
30. REIL - RUNWAY END IDENTIFIER LIGHTS
31. RPZ - RUNWAY PROTECTION ZONE
32. RSA - RUNWAY SAFETY AREA
33. RWY - RUNWAY
34. SFWMD - SOUTH FLORIDA WATER MANAGEMENT DISTRICT
35. SPCD - SAFETY PLAN COMPLIANCE DOCUMENT
36. SPT - STANDARD PENETRATION TEST
37. TSA - TAXIWAY SAFETY AREA
38. TWY - TAXIWAY
39. VOR - VERY HIGH FREQUENCY OMNIDIRECTIONAL RANGE

DEPARTMENT OF AIRPORTS
PALM BEACH COUNTY

MARK | DESCRIPTION | DATE

LICENSED PROFESSIONAL
[illegible]
FL PE NO.: [illegible]
DATE: FEBRUARY 2026

DESIGNED BY: [illegible]
DRAWN BY: [illegible]
CHECKED BY: [illegible]
SUBMITTED BY: [illegible]
ISSUE DATE: FEBRUARY 2026
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

GENERAL NOTES

SHEET ID
G-00.04

CONSTRUCTION SPECIFICATIONS

SECTION 20 - GENERAL SPECIFICATIONS PAVING GRADING DRAINAGE AND EARTHWORK:

20. GENERAL

20.1. IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE THE MINIMUM ACCEPTABLE TECHNICAL REQUIREMENTS FOR THE MATERIALS AND WORKMANSHIP FOR CONSTRUCTION OF SITE IMPROVEMENTS FOR THIS PROJECT. SUCH IMPROVEMENTS MAY GENERALLY INCLUDE, BUT NOT TO BE LIMITED TO, CLEARING, GRADING, PAVING, REMOVAL OF EXISTING PAVEMENT AND STORM DRAINAGE.

20.2. IT IS THE INTENT THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: (CURRENT EDITION) TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION), AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION) BE USED WHERE APPLICABLE FOR THE VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF FLORIDA AND ITS DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THE WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY; THEREBY MAKING SUCH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" TOGETHER WITH THE "FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS" AS THE "STANDARD SPECIFICATIONS" FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS ALSO. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

20.3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AND PERFORM ALL OPERATIONS REQUIRED TO COMPLETE THE CONSTRUCTION OF A PAVING AND DRAINAGE SYSTEM AS SHOWN ON THE PLANS, SPECIFIED HEREIN, OR BOTH. IT IS THE INTENT TO PROVIDE A COMPLETE AND OPERATING FACILITY IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE CONSTRUCTION DRAWINGS. THE MATERIAL AND EQUIPMENT SHOWN OR SPECIFIED SHALL NOT BE TAKEN TO EXCLUDE ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

20.4. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION. WHERE CONFLICTS OR OMISSIONS EXIST, THE JURISDICTIONAL GOVERNMENT ENGINEERING DEPARTMENT'S STANDARDS SHALL GOVERN. SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

20.5. GUARANTEE - ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (L) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

21. EARTHWORK

21.1. ALL AREAS WITHIN THE PROJECT LIMITS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 1'. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 110 OF THE STANDARD SPECIFICATIONS.

21.2. NONE OF THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT IS TO BE INCORPORATED IN THE NEW LIMEROCK BASE, UNLESS NOTED IN PLANS. THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT MAY BE INCORPORATED INTO THE STABILIZED SUBGRADE / SUBBASE, OR STABILIZED SHOULDER.

21.3. FILL MATERIAL SHALL BE CLASSIFIED AS A-L, A-3, OR A-2-4 IN ACCORDANCE WITH AASHTO N-145 AND SHALL BE FREE FROM VEGETATION AND ORGANIC MATERIAL. NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.

21.4. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.

21.5. ALL MATERIAL OF CONSTRUCTION SHALL BE SUBJECT TO INSPECTION AND TESTING TO ESTABLISH CONFORMANCE WITH THE SPECIFICATIONS AND SUITABLY FOR THE USES INTENDED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE TIMETHEYWILL BE READY FOR AN INSPECTION OR TEST. THE CONTRACTOR SHALL FOLLOW CITY AND COUNTY INSPECTION PROCEDURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY PHASE OF WORK DEPENDENT ON AN INSPECTION OR TEST OF AN EARLIER PHASE OF WORK, PRIOR TO THAT TEST OR INSPECTION PASSING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND LIMEROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.

21.6. WHEN ENCOUNTERED, MUCK SHALL BE COMPLETELY REMOVED FROM THE CENTER LINE (10) TEN FEET BEYOND THE EDGE OF PAVEMENT EACH SIDE. ALL SUCH MATERIAL SHALL BE REPLACED BY APPROVED GRANULAR FILL.

21.7. WHEN ENCOUNTERED WITHIN DRAINAGE SWALES, HARDPAN SHALL BE REMOVED TO FULL DEPTH FOR A WIDTH OF (5) FIVE FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.

21.8. ALL UNDERGROUND UTILITIES AND DRAINAGE INSTALLATIONS SHALL BE IN PLACE PRIOR TO SUBGRADE COMPACTION AND PAVEMENT CONSTRUCTION.

21.9. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1' OF THE REQUIRED ELEVATION FOR NON PAVED AREAS AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.

21.10. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, FILL, EMBANKMENT AND GRADING TO ACHIEVE THE PROPOSED PLAN GRADES INCLUDING TYPICAL ROAD SECTIONS, SIDE SLOPES AND CANAL SECTIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE STANDARD SPECIFICATIONS. IF FILL MATERIAL IS REQUIRED IN EXCESS OF THAT GENERATED BY THE EXCAVATION, THE CONTRACTOR SHALL SUPPLY THIS MATERIAL AS REQUIRED FROM OFF-SITE.

22. DRAINAGE

22.1. INLETS - ALL INLETS SHALL BE THE TYPE DESIGNATED ON THE PLANS, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 425 OF THE STANDARD SPECIFICATIONS. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.

23. ASPHALT PAVING

23.1. WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE.

23.2. INTERNAL ASPHALT PAVING CONSTRUCTED ON EXISTING SANDY SOILS SHALL BE CONSTRUCTED WITH A 12" SUBGRADE, COMPACTED TO A MINIMUM DENSITY OF 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. THE COMPACTED SUBGRADE SHALL BE CONSTRUCTED IN THE LIMITS SHOWN ON THE PLANS. ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE NOTED.

23.3. ASPHALTIC CONCRETE SURFACE COURSE SHALL BE CONSTRUCTED TO THE LIMITS SHOWN ON THE PLANS. THE SURFACE COURSE SHALL CONSIST OF THE THICKNESS AND TYPE ASPHALTIC CONCRETE AS SPECIFIED IN THE PLANS. ALL ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 334 OF THE STANDARD SPECIFICATIONS.

23.4. LIMEROCK BASE SHALL BE PREPARED, COMPACTED AND GRADED AND SHALL BE IN ACCORDANCE WITH SECTION 200 OF THE STANDARD SPECIFICATIONS. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 AND HAVE NOT LESS THAN 70% OF CARBONATES OF CALCIUM AND MAGNESIUM UNLESS OTHERWISE DESIGNATED. THE ENGINEER SHALL INSPECT THE COMPLETED BASE COURSE AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES AND CLEAN THE BASE COURSE PRIOR TO THE PLACEMENT OF THE PRIME COAT. A TACK COAT WILL ALSO BE REQUIRED IF THE ENGINEER FINDS THAT THE PRIMED BASE HAS BECOME EXCESSIVELY DIRTY OR THE PRIME COAT HAS CURED TO THE EXTENT OF LOSING BOUNDING EFFECT PRIOR TO PLACEMENT OF THE ASPHALTIC CONCRETE SURFACE COURSE. THE PRIME AND TACK COATS SHALL BE IN ACCORDANCE WITH SECTION 300 OF THE STANDARD SPECIFICATIONS.

23.5. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" SHALL BE PLACED IN TWO EQUAL LIFTS. IF, THROUGH FIELD TESTS, THE CONTRACTOR CAN DEMONSTRATE THAT THE COMPACTION EQUIPMENT CAN ACHIEVE DENSITY FOR THE FULL DEPTH OF A THICKER LIFT, AND IF APPROVED BY THE ENGINEER, THE BASE MAY BE CONSTRUCTED IN SUCCESSIVE COURSES OF NOT MORE THAN 8 INCHES (200 MM) COMPACTED THICKNESS.

23.6. ASPHALT EDGES THAT ARE NOT CURBED SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE TO THE DIMENSIONS SHOWN ON PLANS.

23.7. IN AREAS WHERE THE BASE IS EXPOSED BY THE MILLING OPERATION, THE CONTRACTOR SHALL RESTORE THE BASE TO ITS ORIGINAL THICKNESS AND STRUCTURAL CAPACITY BEFORE PAVING OVER SUCH AREAS. THIS INCLUDES BUT IS NOT LIMITED TO RESTORING ORIGINAL DEGREE OF COMPACTION, MOISTURE CONTENT, COMPOSITION, STABILITY, AND INTENDED SLOPE. IF PAVING WILL NOT TAKE PLACE THE SAME DAY THE BASE IS EXPOSED AND REWORKED, THE BASE SHALL BE SEALED ACCORDING TO THE GOVERNING STANDARDS AND SPECIFICATIONS. ANY ADDITIONAL WORK RESULTING FROM THE CONTRACTOR'S FAILURE TO PROTECT THE EXPOSED BASE AS STATED ABOVE IN ORDER TO RESTORE THE ORIGINAL STRUCTURAL CAPACITY SHALL BE THE CONTRACTOR'S COST.

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
DESIGNED BY: J. RODRIGUEZ
SUBMITTED BY: E. CORRALES
CHECKED BY: H. GUTIERREZ
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

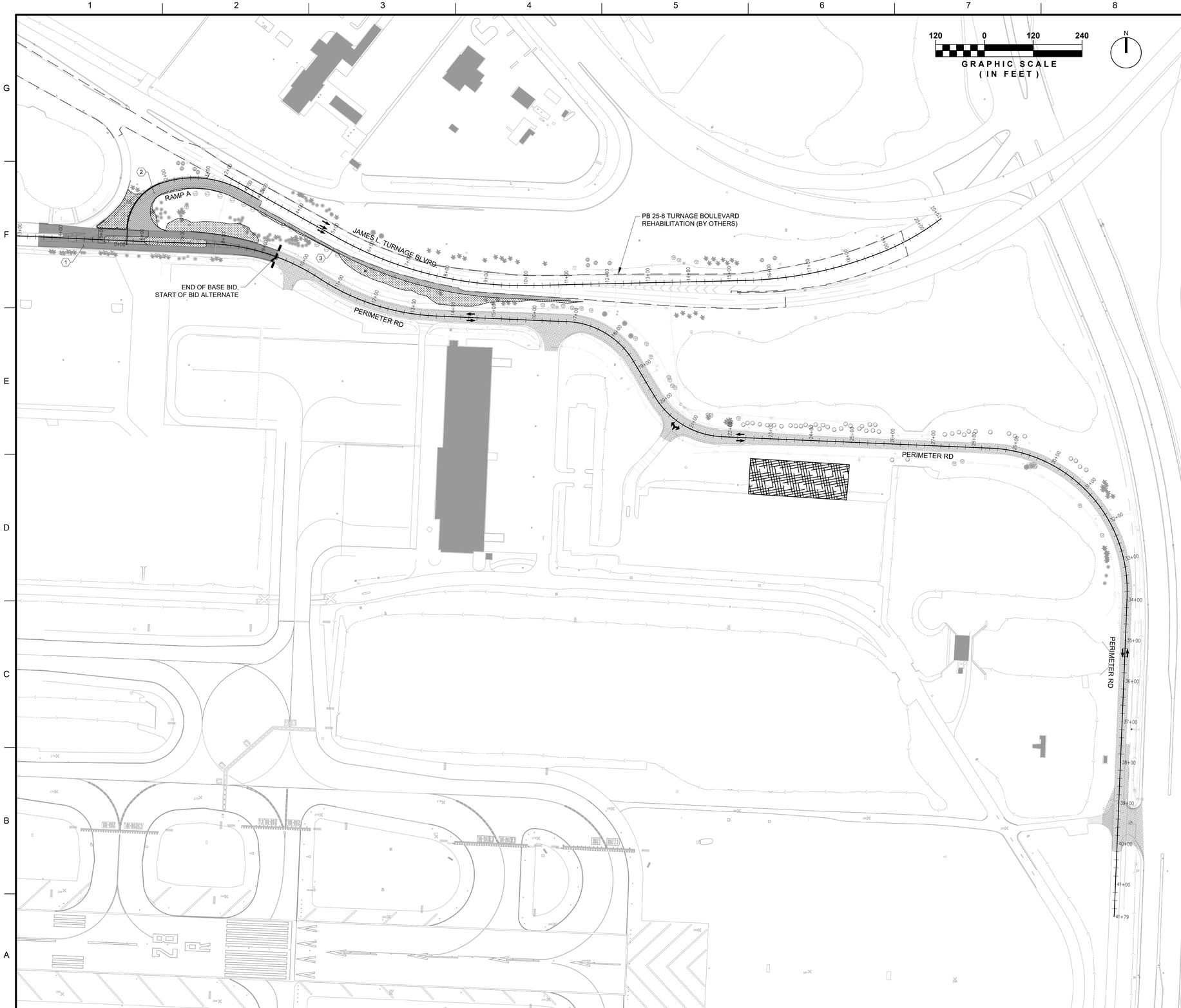
HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CONSTRUCTION SPECIFICATIONS

SHEET ID
G-00.05

ISSUED FOR BID



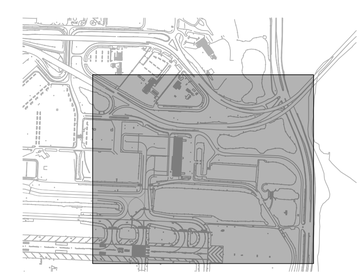
LEGEND

- NEW CONSTRUCTION / RECONSTRUCTION / WIDENING
- MILLING & RESURFACING
- SOD
- CONTRACTOR STAGING AND STOCKPILING AREA
- BID ALTERNATE
- CONTRACTOR'S HAUL ROUTE

SHEET KEYNOTES

1. PAVEMENT RECONSTRUCTION AT PERIMETER ROAD
2. NEW LOOP ON-RAMP CONNECTION
3. WIDENING AND LANE RECONFIGURATION AT SOUTH SIDE OF JAMES L TURNAGE BLVD.

KEY MAP



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SUITE 400
FORT LAUDERDALE, FL 33309

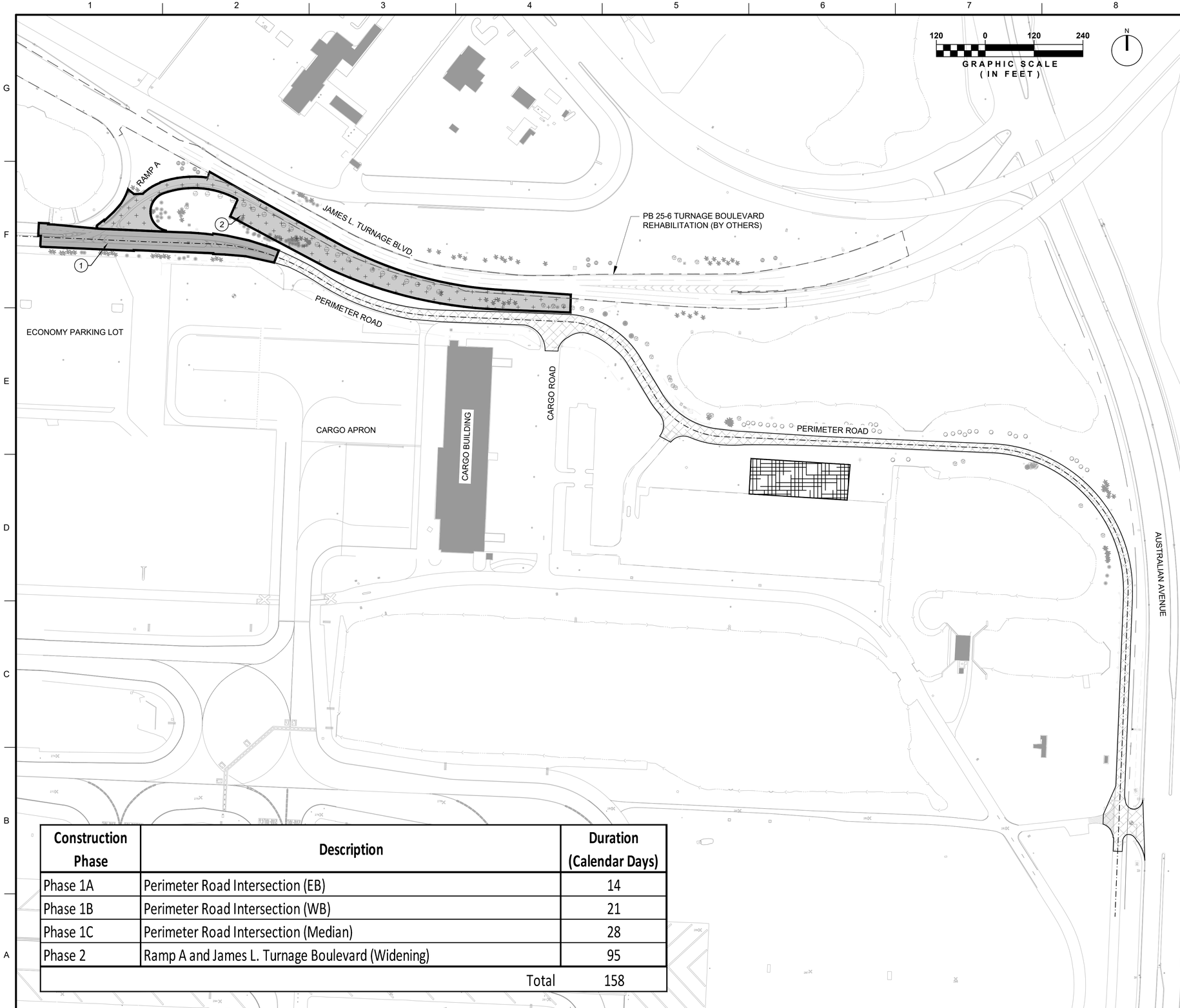
AIR CARGO ACCESS IMPROVEMENTS

PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

GENERAL SITE PLAN

SHEET ID
G-01.01

ISSUED FOR BID



Construction Phase	Description	Duration (Calendar Days)
Phase 1A	Perimeter Road Intersection (EB)	14
Phase 1B	Perimeter Road Intersection (WB)	21
Phase 1C	Perimeter Road Intersection (Median)	28
Phase 2	Ramp A and James L. Turnage Boulevard (Widening)	95
	Total	158

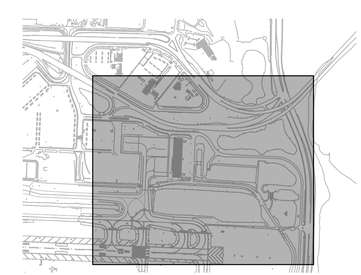
LEGEND

- PHASE 1A,1B, 1C
- PHASE 2
- CONTRACTOR STAGING AND STOCKPILING AREA
- BID ALTERNATE

NOTES

1. THE PHASING PLANS ARE DESIGNED WITH THE INTENT OF MINIMIZING THE IMPACTS OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT AND ITS TENANTS. ALL PHASING REQUIREMENTS WILL BE STRICTLY ENFORCED.
2. REQUESTS TO MODIFY THE PHASING PLAN MUST BE SUBMITTED IN WRITING TO THE AIRPORT WHICH HAS SOLE DISCRETION IN APPROVING OR REJECTING THE REQUEST.
3. THE CONTRACTOR SHALL SUBSTANTIALLY COMPLETE WORK TO THE OWNER'S APPROVAL FOR EACH PHASE BEFORE WORK AT ANOTHER PHASE MAY BEGIN.
4. PALM BEACH COUNTY DEPARTMENT OF AIRPORTS RESERVES THE RIGHT TO CHANGE THE SEQUENCE OF WORK AMONG INDIVIDUAL WORK AREAS, IF NECESSARY DUE TO OPERATIONAL REQUIREMENTS OR FOR OTHER REASONS AT NO ADDITIONAL COST OR INCREASE IN TIME.
5. SEE BID ALTERNATE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.

KEY MAP



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PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

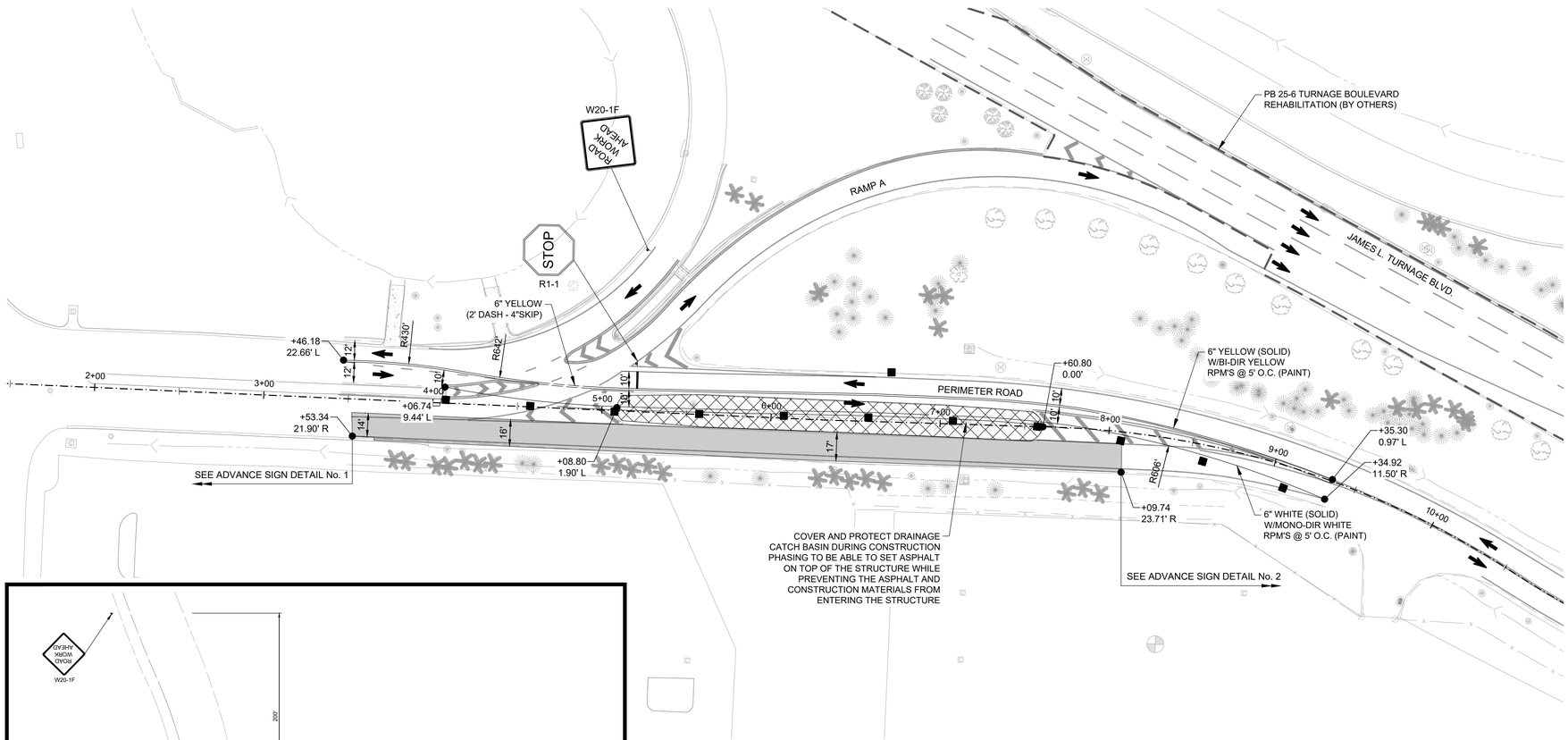
TEMPORARY TRAFFIC CONTROL PLANS

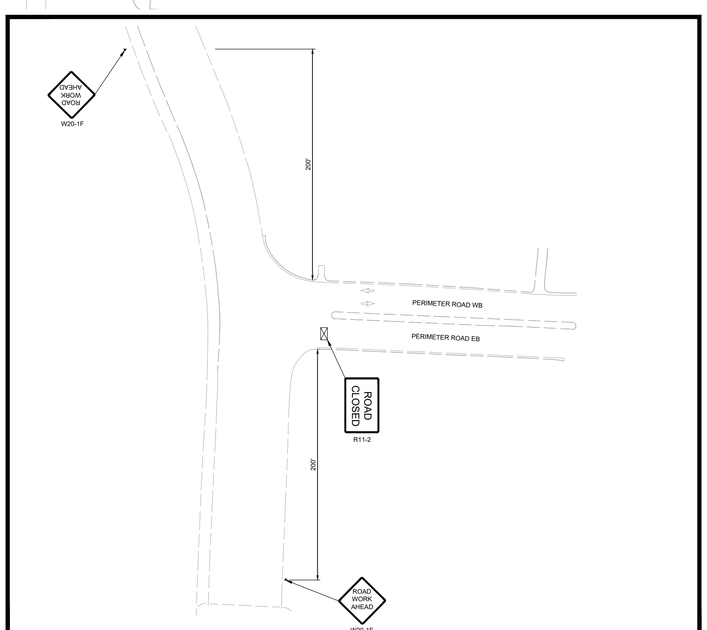
SHEET ID
G-02.01

ISSUED FOR BID

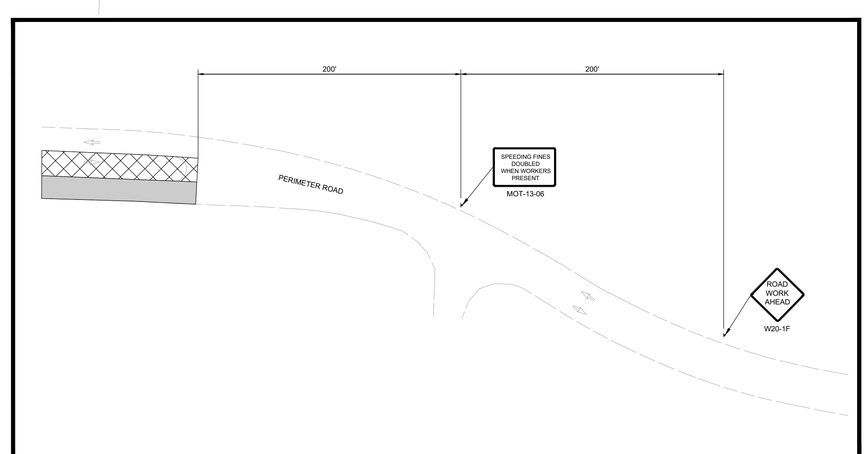
PHASE 1A

LOCATION	TRAFFIC	CONSTRUCTION
JAMES L. TURNAGE BLVD.	OPEN TO TRAFFIC	N/A
RAMP A	OPEN TO TRAFFIC	N/A
PERIMETER ROAD	OPEN TO TRAFFIC	CLOSURE OF PERIMETER ROAD EB. USE TEMPORARY TRAFFIC DIVERSION ALONG PERIMETER ROAD WB.





ADVANCE SIGN DETAIL No.1



ADVANCE SIGN DETAIL No.2

LEGEND

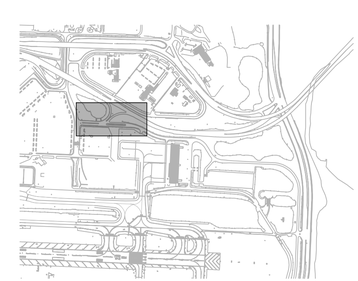
- WORK AREA
- DIRECTIONAL ARROW
- SINGLE SUPPORT SIGN
- CHANNELIZING DEVICE
- CHANNELIZING DEVICE WITH A SIGN: TYPE III - 6'
- TEMPORARY ASPHALT
- TEMPORARY CONCRETE BARRIER WALL

NOTES

PHASE 1A
DURATION: 14 CALENDAR DAYS

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, SIGNS, AND PAVEMENT MARKINGS NECESSARY TO MAINTAIN TRAFFIC AS PER PHASE 1A LAYOUT.
2. REMOVE EXISTING STRIPING IN CONFLICT.
3. CONDUCT CONSTRUCTION OF PERIMETER ROAD EB.

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
SUBMITTED BY: E. CORRALES
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: J. RODRIGUEZ
CHECKED BY: H. GUTIERREZ
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TEMPORARY TRAFFIC CONTROL PLAN
PHASE 1A

SHEET ID
G-02.02

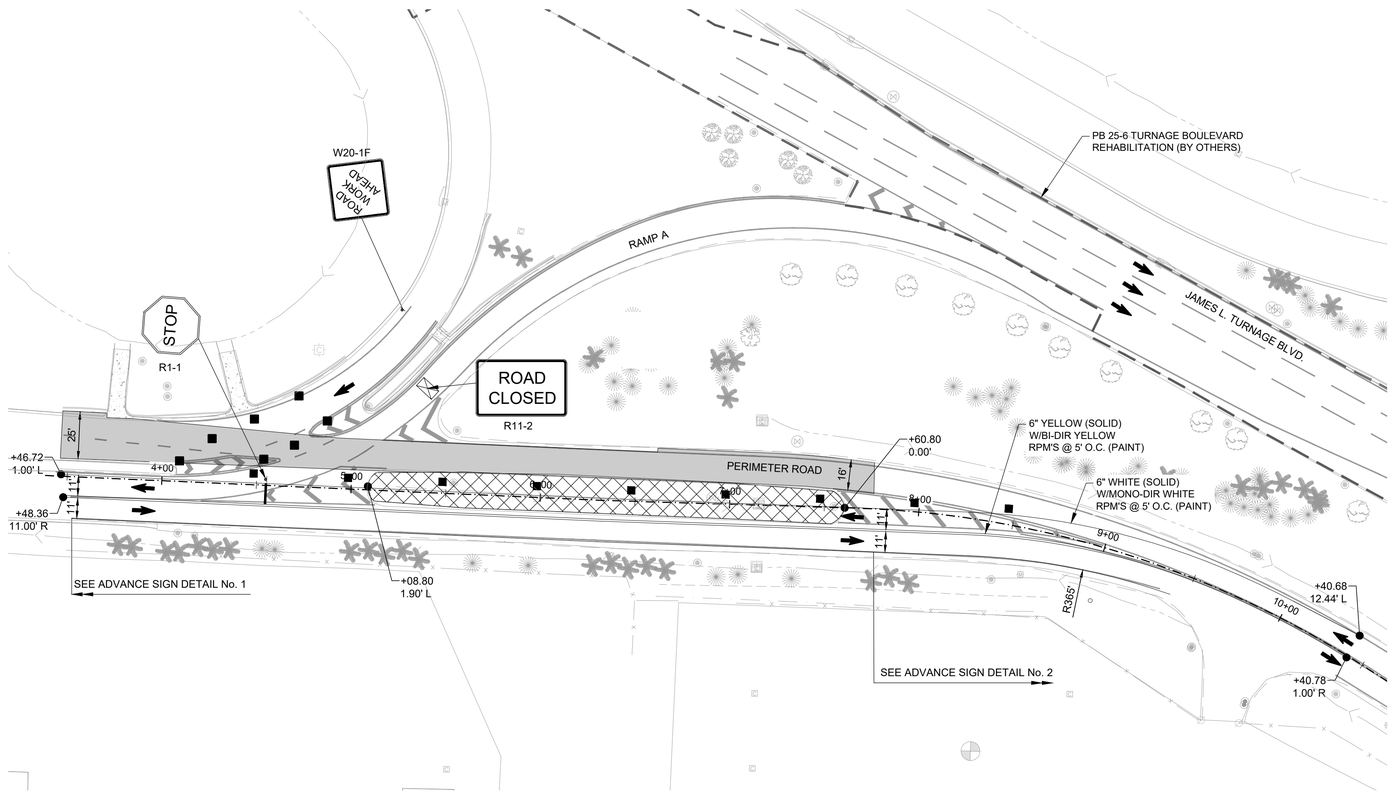
ISSUED FOR BID

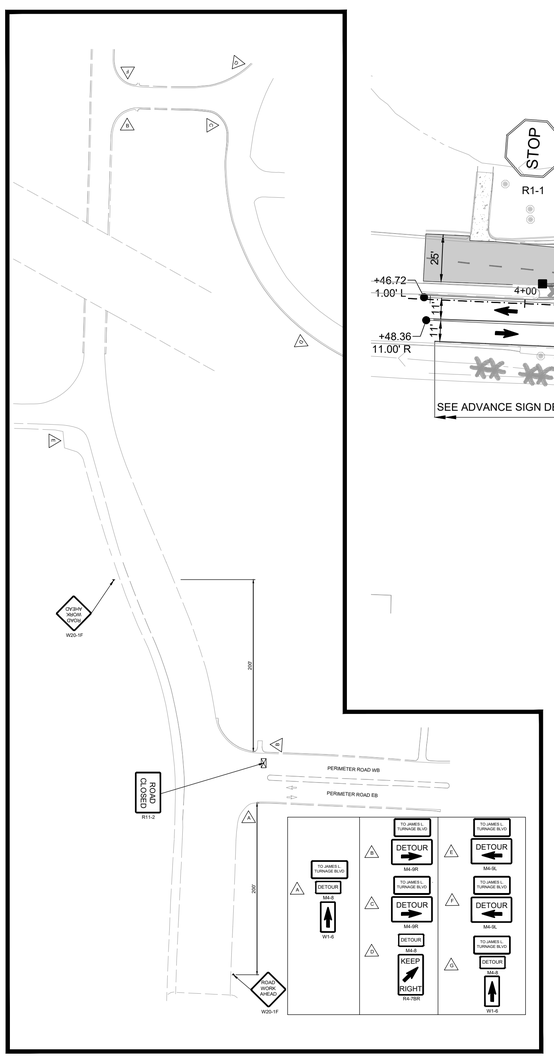
PHASE 1B

LOCATION	TRAFFIC	CONSTRUCTION
JAMES L. TURNAGE BLVD.	OPEN TO TRAFFIC	N/A
RAMP A	CLOSE ACCESS FROM PERIMETER ROAD.	INSTALL TRAFFIC CONTROL DEVICES AS SHOWN
PERIMETER ROAD	OPEN TO TRAFFIC	CLOSURE OF PERIMETER ROAD WB. USE TEMPORARY TRAFFIC DIVERSION ALONG PERIMETER ROAD EB. USE ALTERNATIVE ROUTES TO ACCES JAMES L. TURNAGE BLVD.

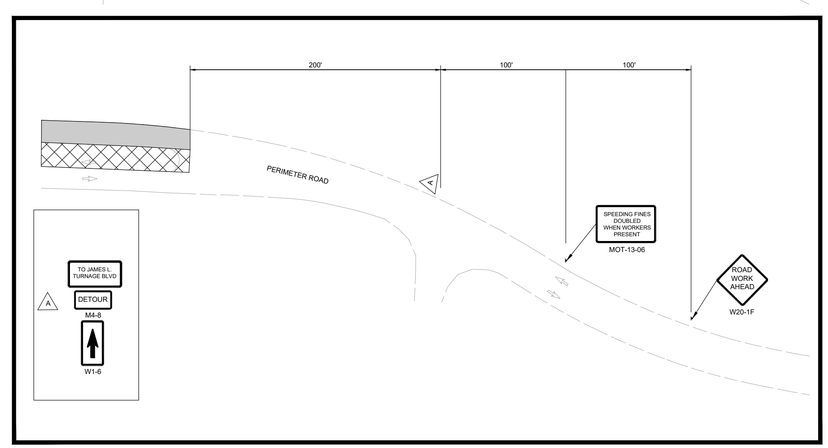
40 0 40 80
GRAPHIC SCALE
(IN FEET)

N





ADVANCE SIGN DETAIL No.1



ADVANCE SIGN DETAIL No.2

LEGEND

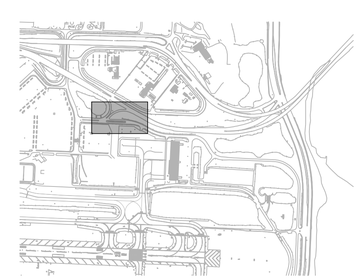
- WORK AREA
- DIRECTIONAL ARROW
- SINGLE SUPPORT SIGN
- CHANNELIZING DEVICE
- CHANNELIZING DEVICE WITH A SIGN: TYPE III - 6'
- TEMPORARY ASPHALT
- TEMPORARY CONCRETE BARRIER WALL
- CC — CRASH CUSHION

NOTES

PHASE 1B
DURATION: 21 CALENDAR DAYS

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, SIGNS, AND PAVEMENT MARKINGS NECESSARY TO MAINTAIN TRAFFIC AS PER PHASE 1B LAYOUT.
2. REMOVE EXISTING STRIPING IN CONFLICT.
3. CONDUCT CONSTRUCTION OF PERIMETER ROAD WB.

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
DESIGNED BY: J. RODRIGUEZ
SUBMITTED BY: E. CORRALES
CHECKED BY: H. GUTIERREZ
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TEMPORARY TRAFFIC CONTROL PLAN
PHASE 1B

SHEET ID
G-02.03

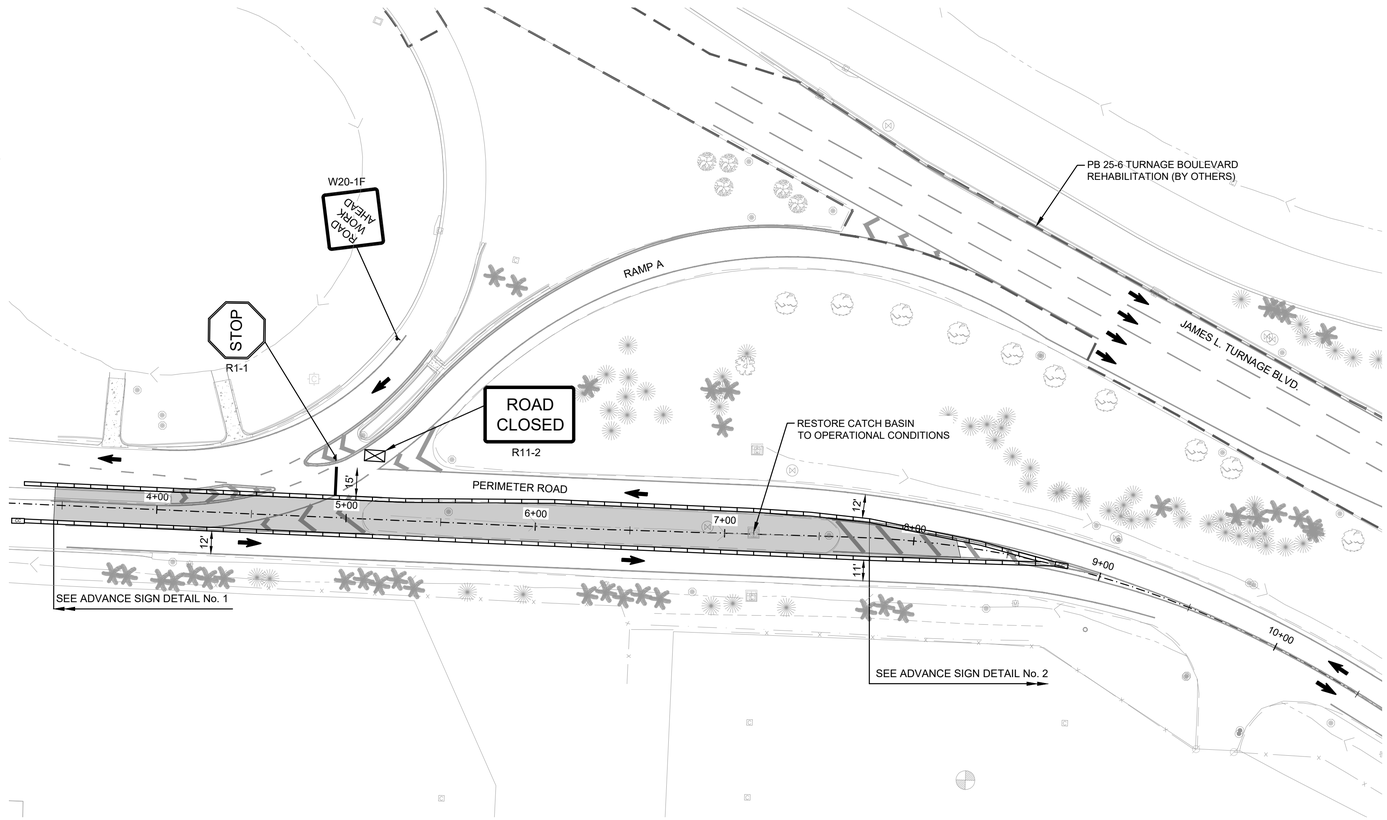
c:\pwworking\east01\d2901720\22-122 PBI-G.02,03.dwg
20 January 2026 7:13 PM Cruz, Shaun

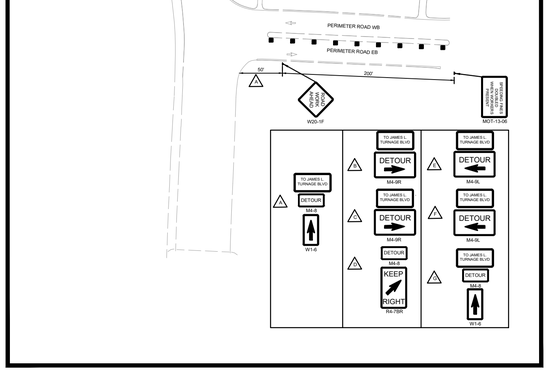
ISSUED FOR BID

PHASE 1C		
LOCATION	TRAFFIC	CONSTRUCTION
JAMES L. TURNAGE BLVD.	OPEN TO TRAFFIC	N/A
RAMP A	CLOSED TO TRAFFIC	INSTALL TRAFFIC CONTROL DEVICES AS SHOWN
PERIMETER ROAD	OPEN TO TRAFFIC	CLOSURE OF PERIMETER ROAD TURNING LANE. USE ALTERNATIVE ROUTES TO ACCESS JAMES L. TURNAGE BLVD.

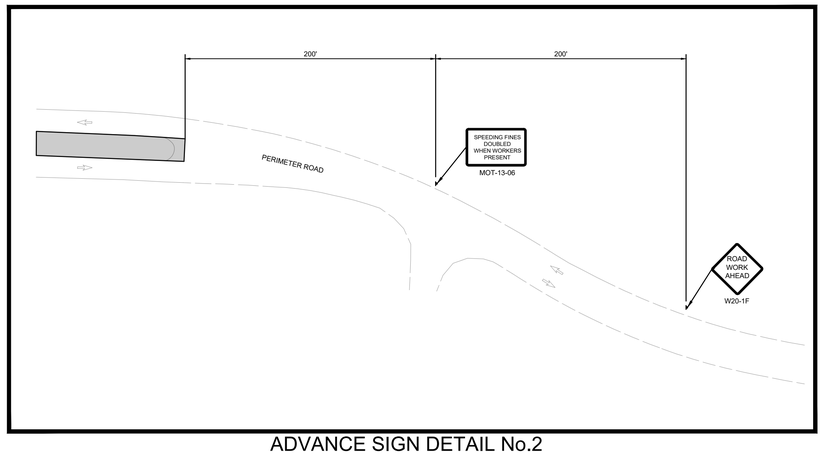
40 0 40 80
GRAPHIC SCALE
(IN FEET)

N





ADVANCE SIGN DETAIL No.1



ADVANCE SIGN DETAIL No.2

LEGEND

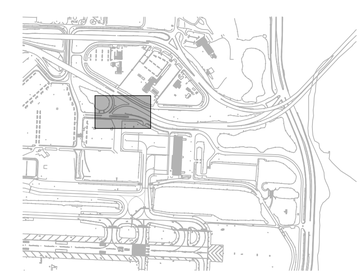
- WORK AREA
- DIRECTIONAL ARROW
- SINGLE SUPPORT SIGN
- CHANNELIZING DEVICE
- CHANNELIZING DEVICE WITH A SIGN: TYPE III - 6'
- TEMPORARY CONCRETE BARRIER WALL
- CC — CRASH CUSHION

NOTES

PHASE 1C
DURATION: 28 CALENDAR DAYS

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, SIGNS, AND PAVEMENT MARKINGS NECESSARY TO MAINTAIN TRAFFIC.
2. CONDUCT CONSTRUCTION OF PERIMETER ROAD TURNING LANE AND MEDIAN.

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DESIGNED BY: J. RODRIGUEZ
DRAWN BY: G. COLOME
CHECKED BY: H. GUTIERREZ
SUBMITTED BY: E. CORRALES
ISSUE DATE: FEBRUARY 2026
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

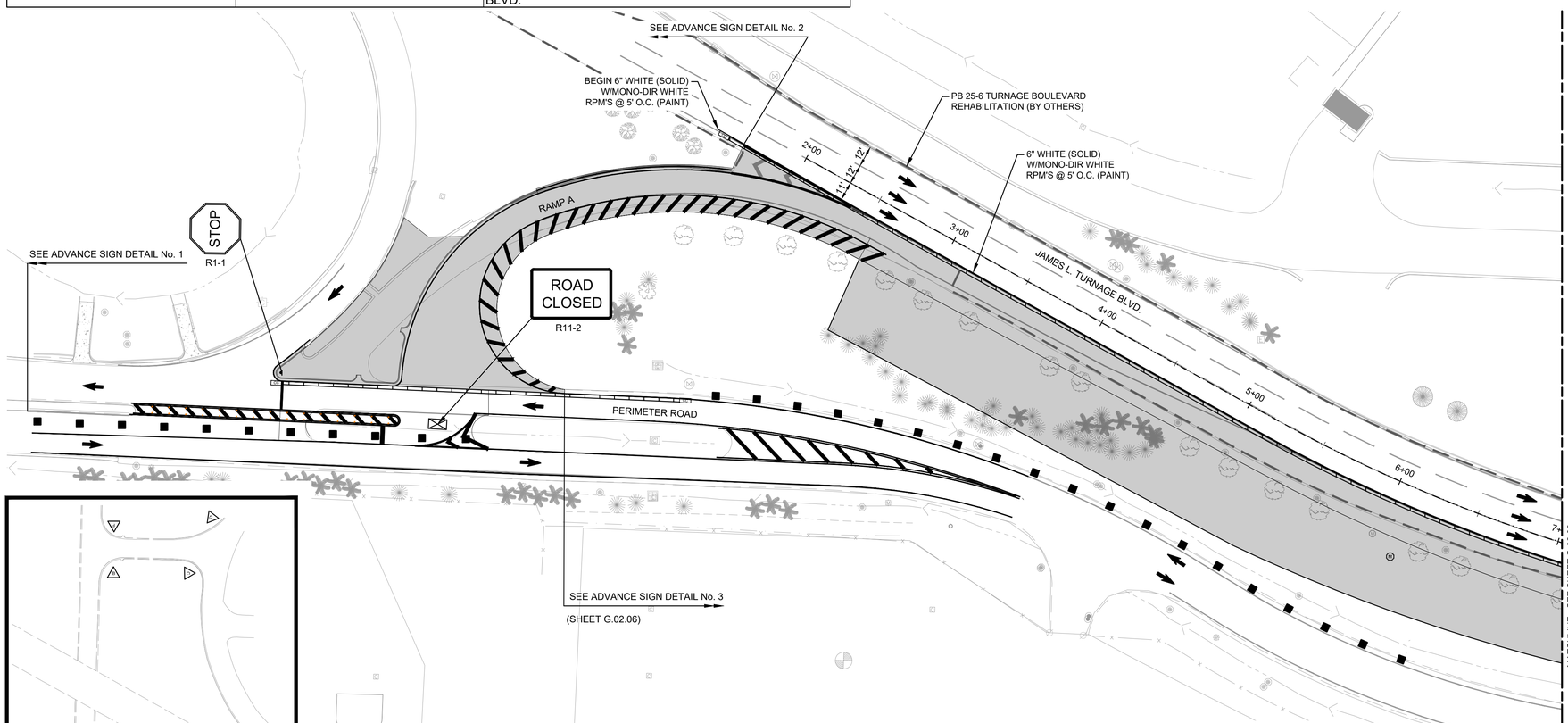
AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

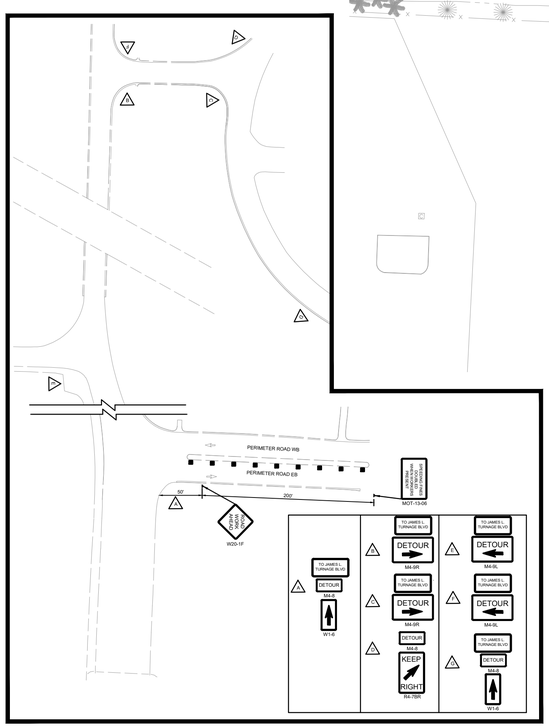
TEMPORARY TRAFFIC CONTROL PLAN
PHASE 1C

SHEET ID
G-02.04

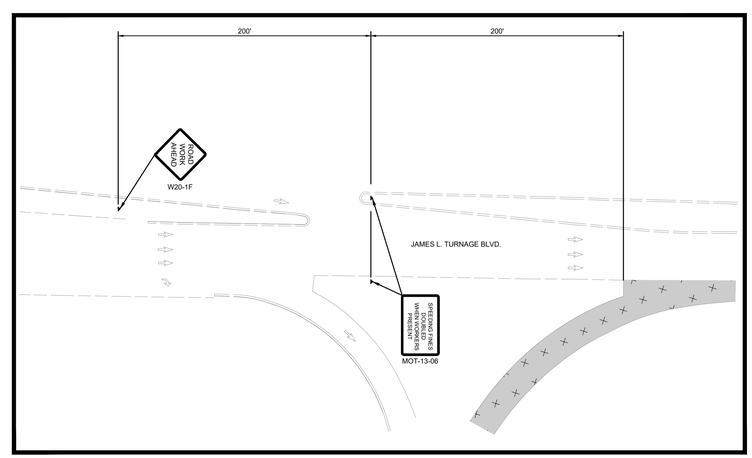
ISSUED FOR BID

PHASE 2		
LOCATION	TRAFFIC	CONSTRUCTION
JAMES L. TURNAGE BLVD.	OPEN TO TRAFFIC	WIDENING
RAMP A	CLOSE ACCESS FROM PERIMETER ROAD	UNDER CONSTRUCTION
PERIMETER ROAD	OPEN TO TRAFFIC	CLOSURE OF PERIMETER ROAD TURNING LANE. USE ALTERNATIVE ROUTES TO ACCESS JAMES L. TURNAGE BLVD.





ADVANCE SIGN DETAIL No.1



ADVANCE SIGN DETAIL No.2

LEGEND

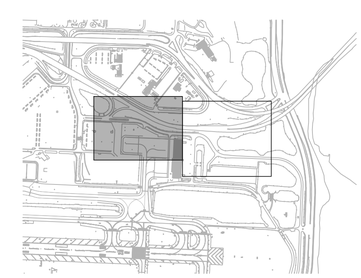
- WORK AREA
- DIRECTIONAL ARROW
- SINGLE SUPPORT SIGN
- TEMPORARY CONCRETE BARRIER WALL
- CHANNELIZING DEVICE
- CC — CRASH CUSHION
- CHANNELIZING DEVICE WITH A SIGN: TYPE III - 6'

NOTES

PHASE 2
DURATION: 95 CALENDAR DAYS

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, SIGNS, AND PAVEMENT MARKINGS NECESSARY TO MAINTAIN TRAFFIC AS PER PHASE 2 LAYOUT.
2. REMOVE EXISTING STRIPING IN CONFLICT.
3. CONSTRUCT NEW RAMP AND CONDUCT WIDENING AT SOUTH SIDE OF JAMES L. TURNAGE BOULEVARD.

KEY MAP



MARK	DESCRIPTION	DATE
1	ADDED MISSING SHEET	3/12/2024

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
DESIGNED BY: J. RODRIGUEZ
SUBMITTED BY: E. CORRALES
CHECKED BY: H. GUTIERREZ
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

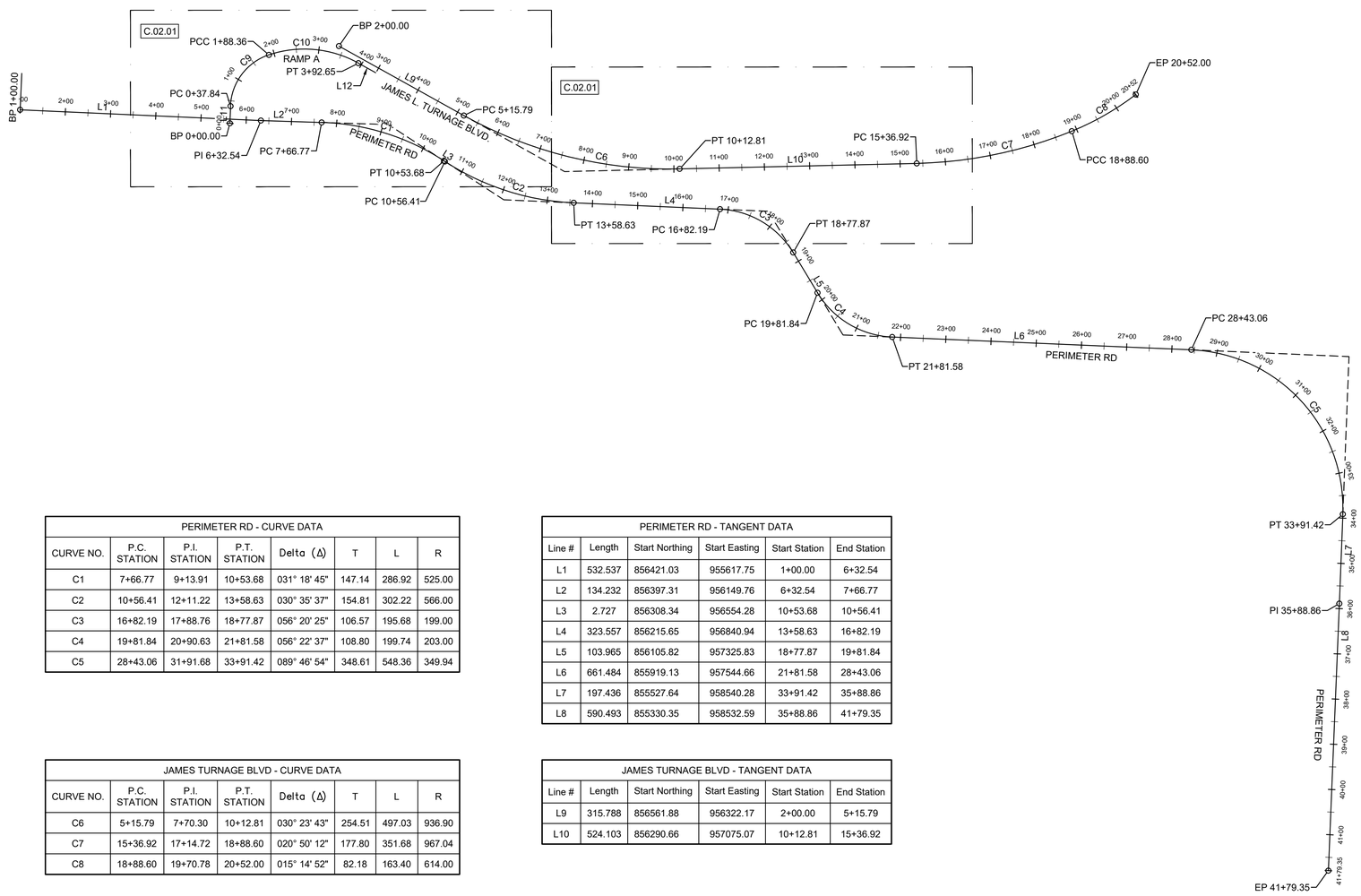
HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TEMPORARY TRAFFIC CONTROL PLAN
PHASE 2

SHEET ID
G-02.05

ISSUED FOR BID



PERIMETER RD - CURVE DATA							
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R
C1	7+66.77	9+13.91	10+53.68	031° 18' 45"	147.14	286.92	525.00
C2	10+56.41	12+11.22	13+58.63	030° 35' 37"	154.81	302.22	566.00
C3	16+82.19	17+88.76	18+77.87	056° 20' 25"	106.57	195.68	199.00
C4	19+81.84	20+90.63	21+81.58	056° 22' 37"	108.80	199.74	203.00
C5	28+43.06	31+91.68	33+91.42	089° 46' 54"	348.61	548.36	349.94

PERIMETER RD - TANGENT DATA					
Line #	Length	Start Northing	Start Easting	Start Station	End Station
L1	532.537	856421.03	955617.75	1+00.00	6+32.54
L2	134.232	856397.31	956149.76	6+32.54	7+66.77
L3	2.727	856308.34	956554.28	10+53.68	10+56.41
L4	323.557	856215.65	956840.94	13+58.63	16+82.19
L5	103.965	856105.82	957325.83	18+77.87	19+81.84
L6	661.484	855919.13	957544.66	21+81.58	28+43.06
L7	197.436	855527.64	958540.28	33+91.42	35+88.86
L8	590.493	855330.35	958532.59	35+88.86	41+79.35

JAMES TURNAGE BLVD - CURVE DATA							
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R
C6	5+15.79	7+70.30	10+12.81	030° 23' 43"	254.51	497.03	936.90
C7	15+36.92	17+14.72	18+88.60	020° 50' 12"	177.80	351.68	967.04
C8	18+88.60	19+70.78	20+52.00	015° 14' 52"	82.18	163.40	614.00

JAMES TURNAGE BLVD - TANGENT DATA					
Line #	Length	Start Northing	Start Easting	Start Station	End Station
L9	315.788	856561.88	956322.17	2+00.00	5+15.79
L10	524.103	856290.66	957075.07	10+12.81	15+36.92

RAMP A - CURVE DATA								
CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Delta (Δ)	T	L	R	e
C9	0+37.84	1+23.74	1+88.36	068° 59' 23"	85.90	150.52	125.00	2%
C10	1+88.36	2+96.82	3+92.65	047° 36' 04"	108.46	204.29	245.90	2%

RAMP A - TANGENT DATA					
Line #	Length	Start Northing	Start Easting	Start Station	End Station
L11	37.845	856391.28	956081.21	0+00.00	0+37.84
L12	43.513	856524.22	956365.21	3+92.65	4+36.17

150 0 150 300

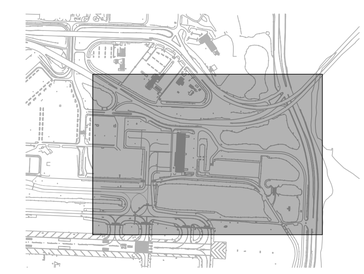
GRAPHIC SCALE
(IN FEET)

N

NOTES

1. THESE PLANS CONTAIN BASIC BASELINE AND BENCH MARK GRADE CONTROL FROM WHICH THE WORK IS TO BE BUILT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING THE CONTROL AND FURNISHING ALL ADDITIONAL STAGING AND MARKING NECESSARY TO COMPLETE THE WORK.
2. CONTRACTOR SHALL RETAIN AND PROTECT ALL SURVEY MONUMENTATION THROUGHOUT THE DURATION OF THE PROJECT.
3. CONTRACTOR SHALL RE-ESTABLISH AND AS-BUILT ALL SURVEY MONUMENTATION DAMAGED AS A RESULT OF THE CONTRACTOR ACTIVITIES.

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
DESIGNED BY: J. RODRIGUEZ
SUBMITTED BY: E. CORRALES
CHECKED BY: H. GUTIERREZ
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

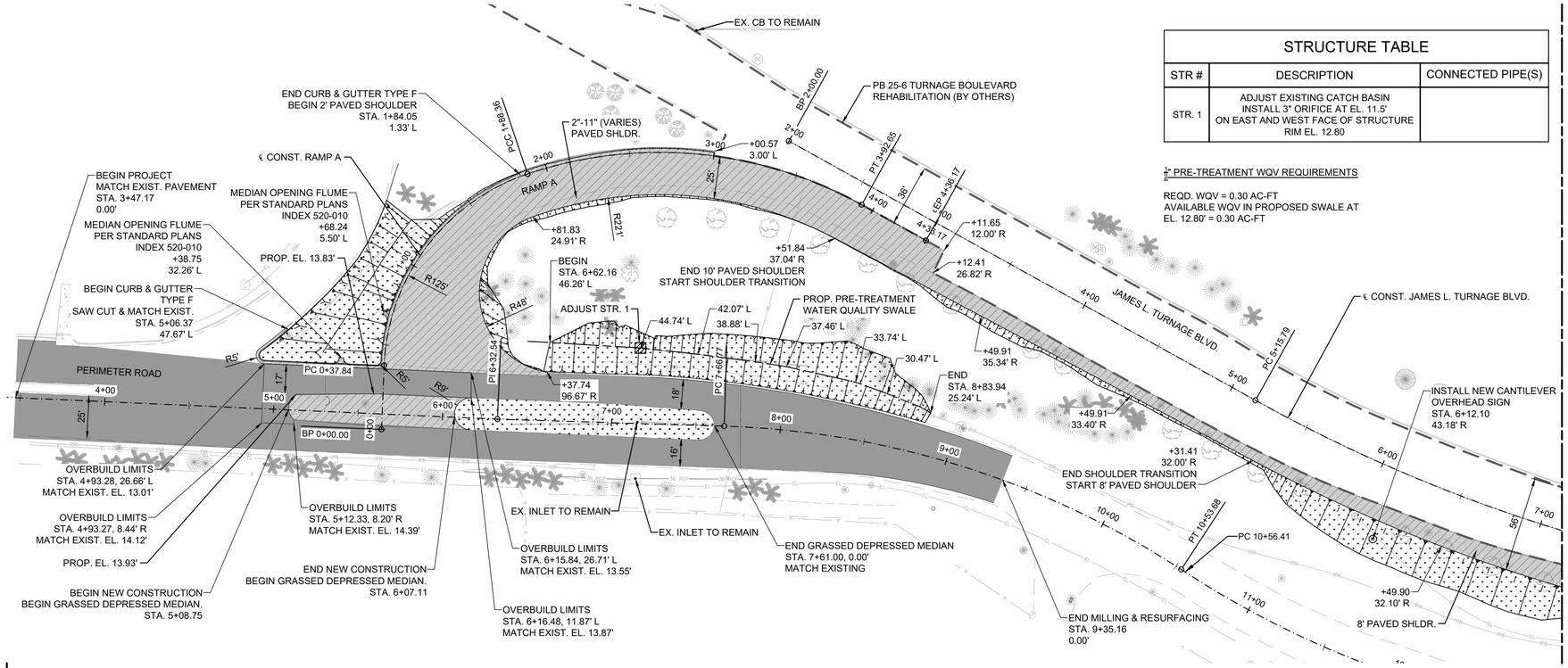
HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

HORIZONTAL CONTROL PLAN

SHEET ID
C-01.01

ISSUED FOR BID



STRUCTURE TABLE

STR #	DESCRIPTION	CONNECTED PIPE(S)
STR. 1	ADJUST EXISTING CATCH BASIN INSTALL 3" ORIFICE AT EL. 11.5' ON EAST AND WEST FACE OF STRUCTURE RIM EL. 12.80	

¾" PRE-TREATMENT WQV REQUIREMENTS

REQD. WQV = 0.30 AC-FT
AVAILABLE WQV IN PROPOSED SWALE AT EL. 12.80' = 0.30 AC-FT

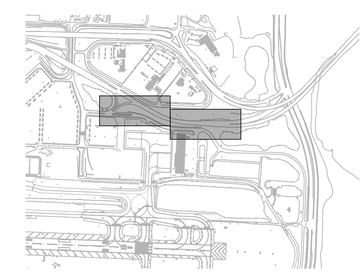
LEGEND

- NEW CONSTRUCTION / RECONSTRUCTION / WIDENING
- MILLING & RESURFACING
- SOD
- GRADING PATTERN

NOTES

1. SEE SHEET C-05.01 FOR TYPICAL SECTIONS.
2. SEE SHEET S-01.01 THROUGH S-01.02 FOR PAVEMENT MARKING PLANS.
3. DRAINAGE AND ELECTRICAL LINES NOT SHOWN FOR CLARITY.
4. MATCH EXISTING EDGE OF PAVEMENT AT ANY TIE-IN LOCATION.
4. SEE SHEET C-03.01 FOR SWALE PROFILE

KEY MAP



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PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD, SUITE 200
FORT LAUDERDALE, FL 33309

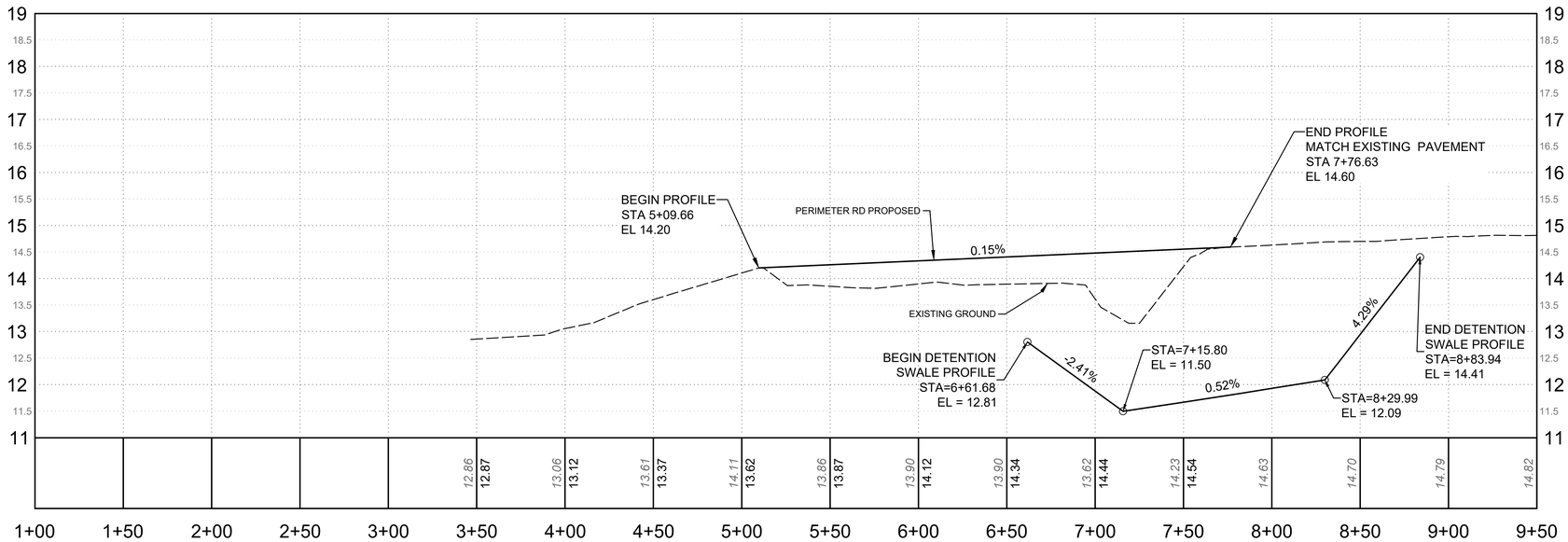
AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

GEOMETRY PLANS

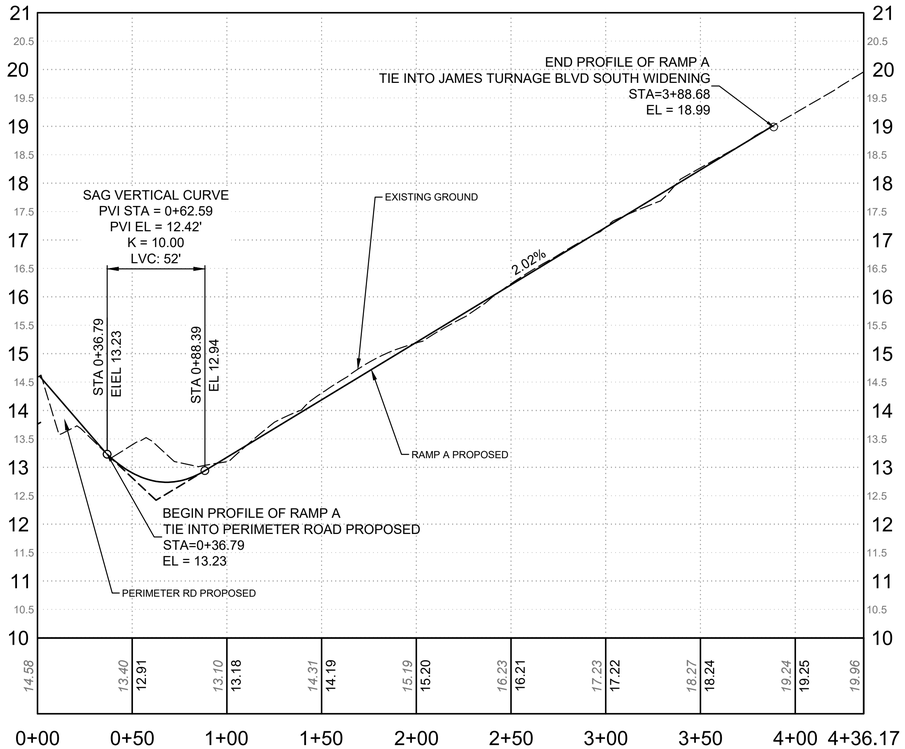
SHEET ID
C-02.01

ISSUED FOR BID

c:\pwworking\east01\d2901720\22-122 PBI-C.02.01.dwg
20 January 2026 7:15 PM Cruz, Shaun



Perimeter Road
STA 1+00.00 TO STA 9+50.00



Ramp A NW Edge
STA 0+00.00 TO STA 4+36.17

LEGEND

- EXISTING GRADE
- FINISHED GRADE
- X.XX EXISTING PROFILE ELEVATION
- X.XX PROPOSED PROFILE ELEVATION

HORI. 0 40' 80'
VERT. 0 1' 2'

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL REG. NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
SUBMITTED BY: E. CORRALES
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: J. RODRIGUEZ
CHECKED BY: H. GUTIERREZ
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

PROFILES

SHEET ID
C-03.01

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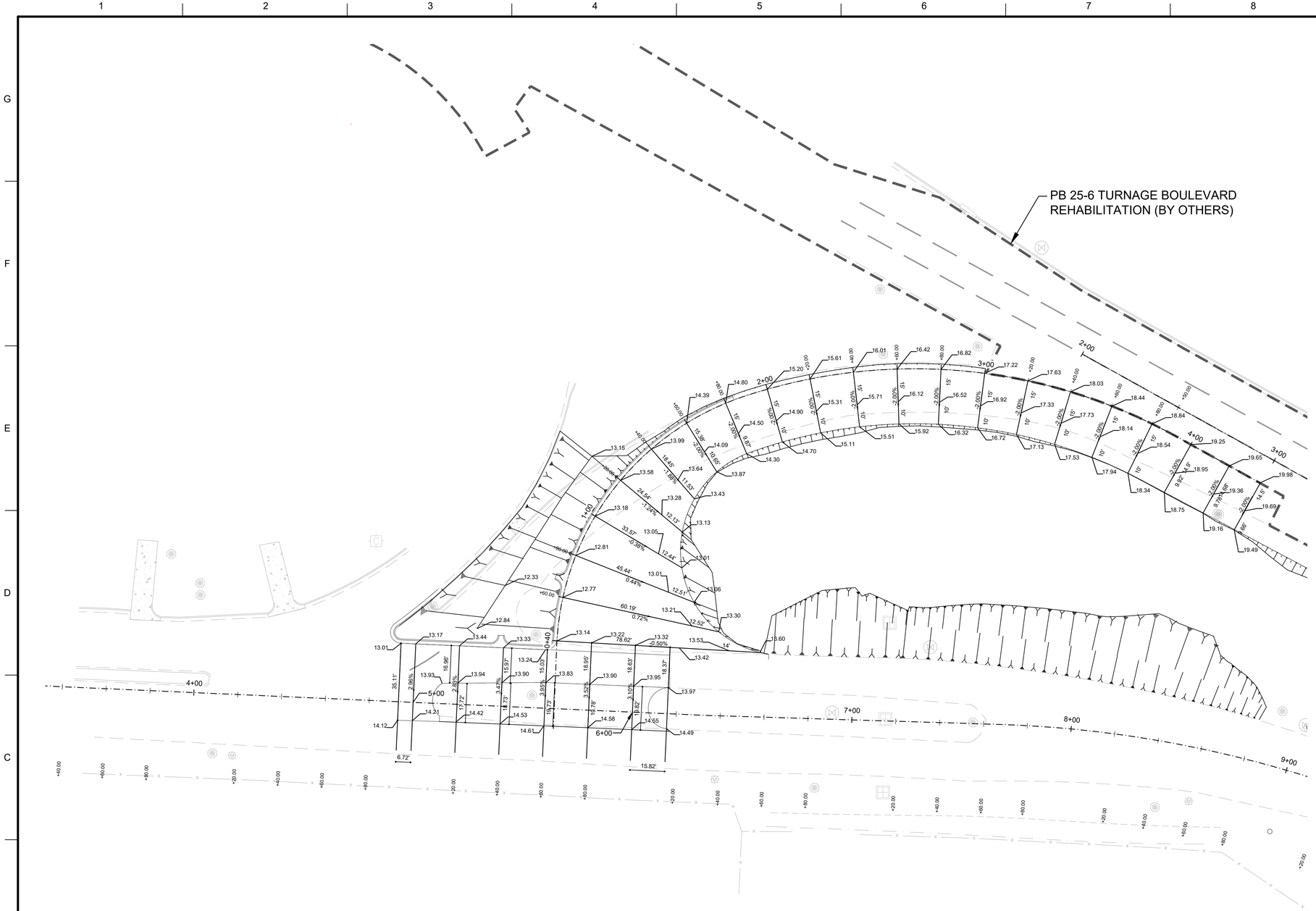
20 January 2026 7:16 PM Cruz, Shaun

ISSUED FOR BID



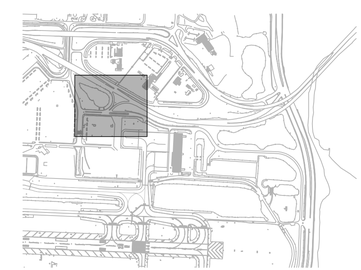
LEGEND

14.17	ELEVATION
-2.00%	PAVEMENT CROSS-SLOPE

NOTES

1. SEE SHEET C05.01 THROUGH C05.03 FOR TYPICAL SECTIONS.
2. SEE SHEET S-01.01 THROUGH S-01.04 FOR PAVEMENT MARKING PLANS.
3. MATCH EXISTING EDGE OF PAVEMENT AT ANY TIE-IN LOCATION.

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DESIGNED BY: J. RODRIGUEZ
DRAWN BY: G. COLOME
CHECKED BY: H. GUTIERREZ
SUBMITTED BY: E. CORRALES
ISSUE DATE: FEBRUARY 2026
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 100
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

RAMP TERMINAL / INTERSECTION DETAILS

SHEET ID
C-04.01

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20 January 2026 7:16 PM Cruz, Shaun

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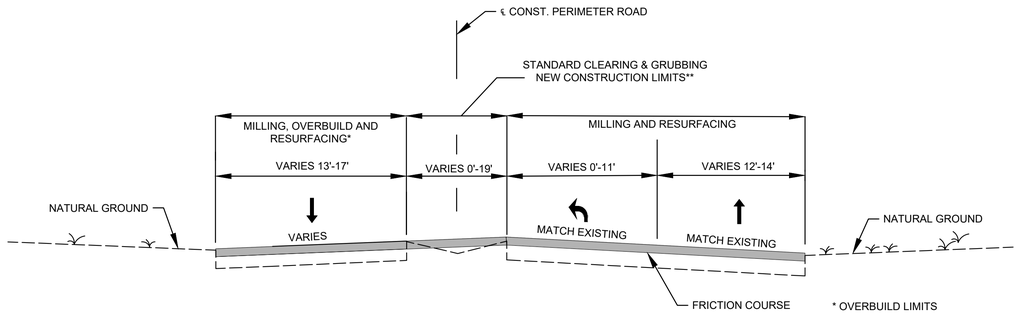


TYPICAL SECTION 1: PERIMETER ROAD
DESIGN SPEED = 30 MPH
STA. 3+47.17 TO STA. 9+35.16

* OVERBUILD LIMITS
STA. 5+00 TO STA. 6+15.4

** WIDENING LIMITS
STA. 5+08.75 TO STA. 6+07.11

MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (2" DEPTH)

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

OVERBUILD (SEE TABLE)

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (THICKNESS VARIES)

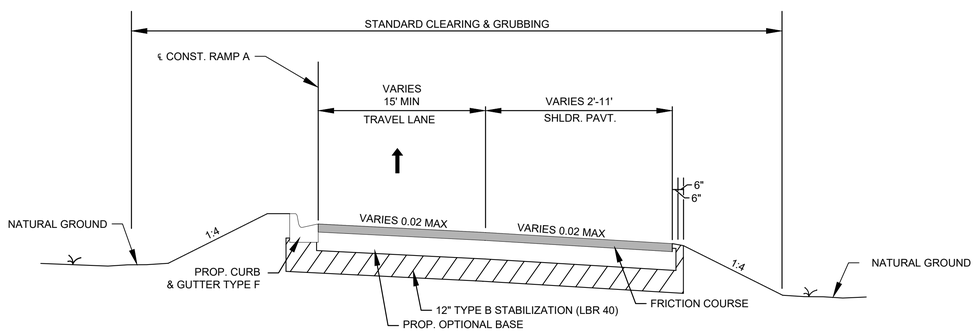
WIDENING/RECONSTRUCTION

TRAVEL LANES

OPTIONAL BASE GROUP 9 AND TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2.5")

OVERBUILD DETAILS - PERIMETER ROAD

LOCATION	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)
5+00	2.97	2.97	0	35
5+25	2.23	2.96	1.5	17
5+50	3.1	3.81	1.5	15.6
5+75	2.87	3.63	1.5	15
6+00	2.32	3.1	1.55	14.9
6+15.4	2.14	2.14	0	14.85

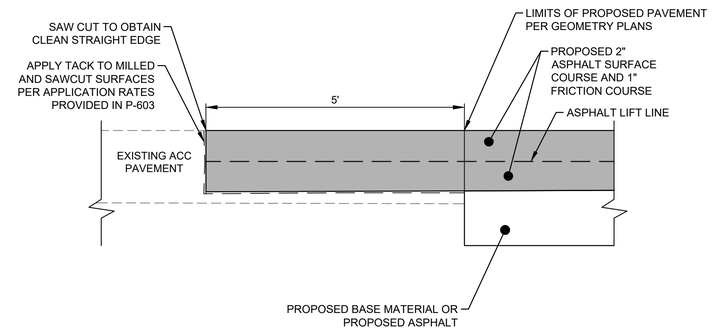


TYPICAL SECTION 2: RAMP A
DESIGN SPEED = 20 MPH
STA. 0+36.79 TO STA. 3+88.68

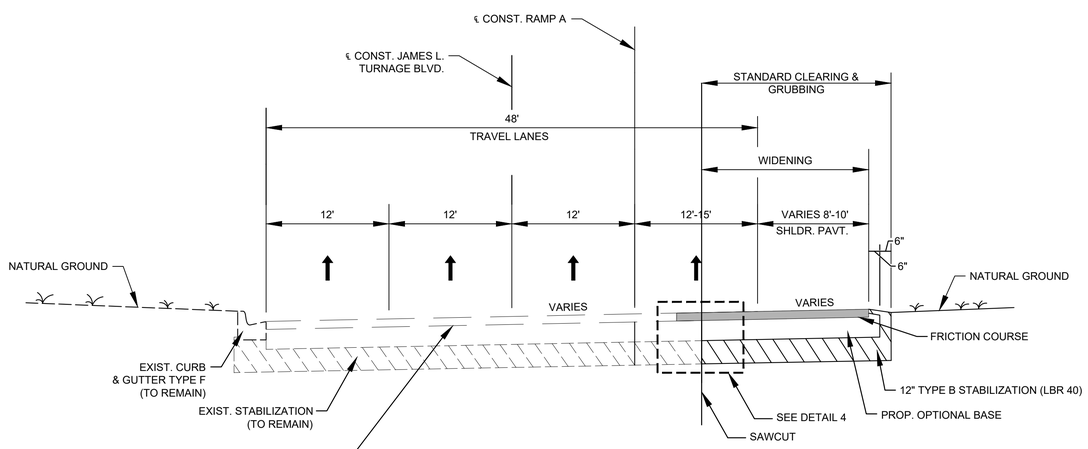
WIDENING/RECONSTRUCTION

TRAVEL LANES/SHOULDER

OPTIONAL BASE GROUP 9 AND TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") WITH FRICTION COURSE FC-9.5 (1")



TYPICAL SECTION 4: ASPHALT TRANSITION DETAIL



TYPICAL SECTION 3: JAMES L. TURNAGE BLVD.
DESIGN SPEED = 35 MPH
STA. 2+00.00 TO STA. 11+08.98

WIDENING/RECONSTRUCTION

TRAVEL LANES / SHOULDERS

OPTIONAL BASE GROUP 9 AND TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") WITH FRICTION COURSE FC-9.5 (1")

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
SUBMITTED BY: E. CORRALES
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: J. RODRIGUEZ
CHECKED BY: H. GUTIERREZ
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

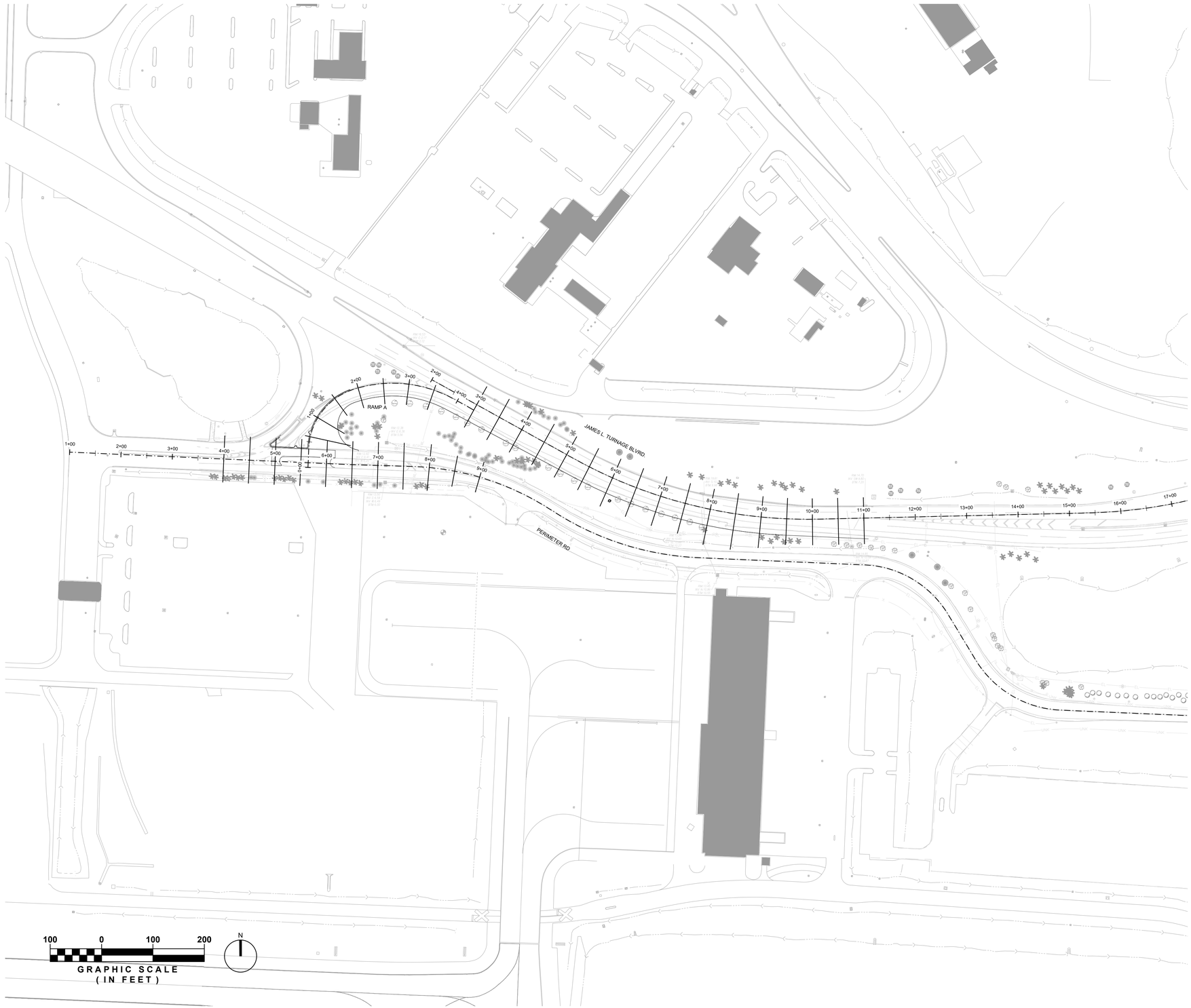
HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TYPICAL SECTIONS

SHEET ID
C-05.01

ISSUED FOR BID



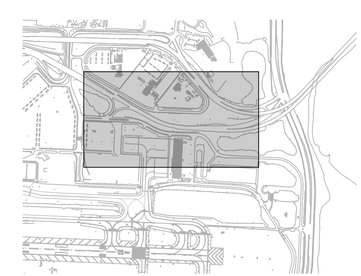
LEGEND

CROSS SECTIONS PATTERN LINES

NOTES

1. FOR CROSS SECTIONS, SEE SHEETS C07.01 THROUGH C07.10

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL

EMILIO CORRALES
FL PE NO. 70657
DATE: FEBRUARY 2026

DESIGNED BY: J. RODRIGUEZ
DRAWN BY: G. COLOME
CHECKED BY: H. GUTIERREZ
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ISSUE DATE: FEBRUARY 2026
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PALM BEACH COUNTY DEPT OF AIRPORTS
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WEST PALM BEACH, FL 33406-1412
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FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS

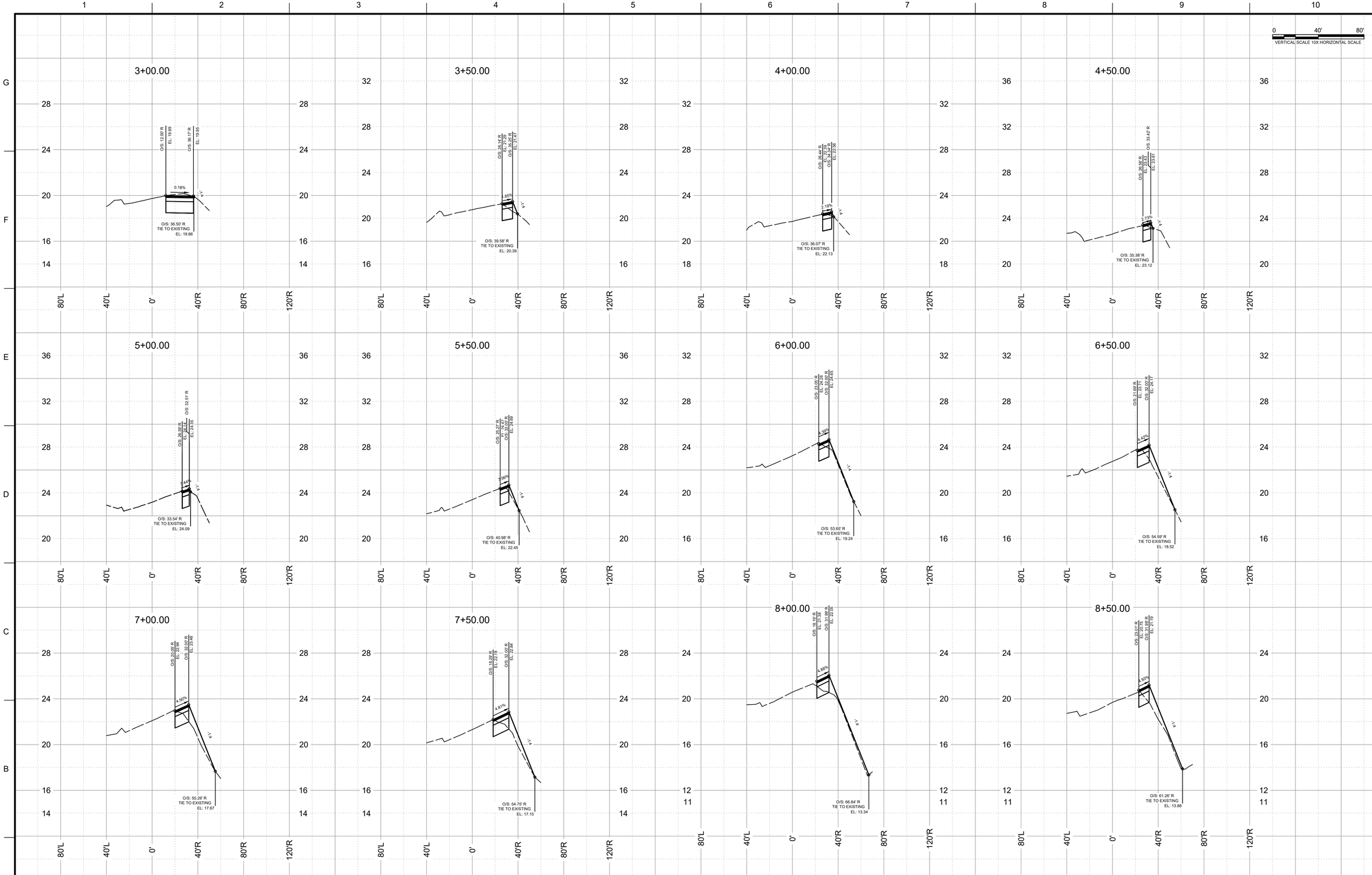
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CROSS SECTIONS MAP

SHEET ID

C-06.01

ISSUED FOR BID



LEGEND

- EXISTING SURFACE
- PROPOSED SURFACE

NOTES

1. ELEVATIONS ARE REFERENCED TO NAV88.
2. CUT AND FILL QUANTITIES ARE MEASURED AND PAID AS DESCRIBED IN THE 120 SPECIFICATION

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL

EMILIO CORRALES
FL REG. NO. 70657
DATE: FEBRUARY 2026

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FORT LAUDERDALE, FL 33309

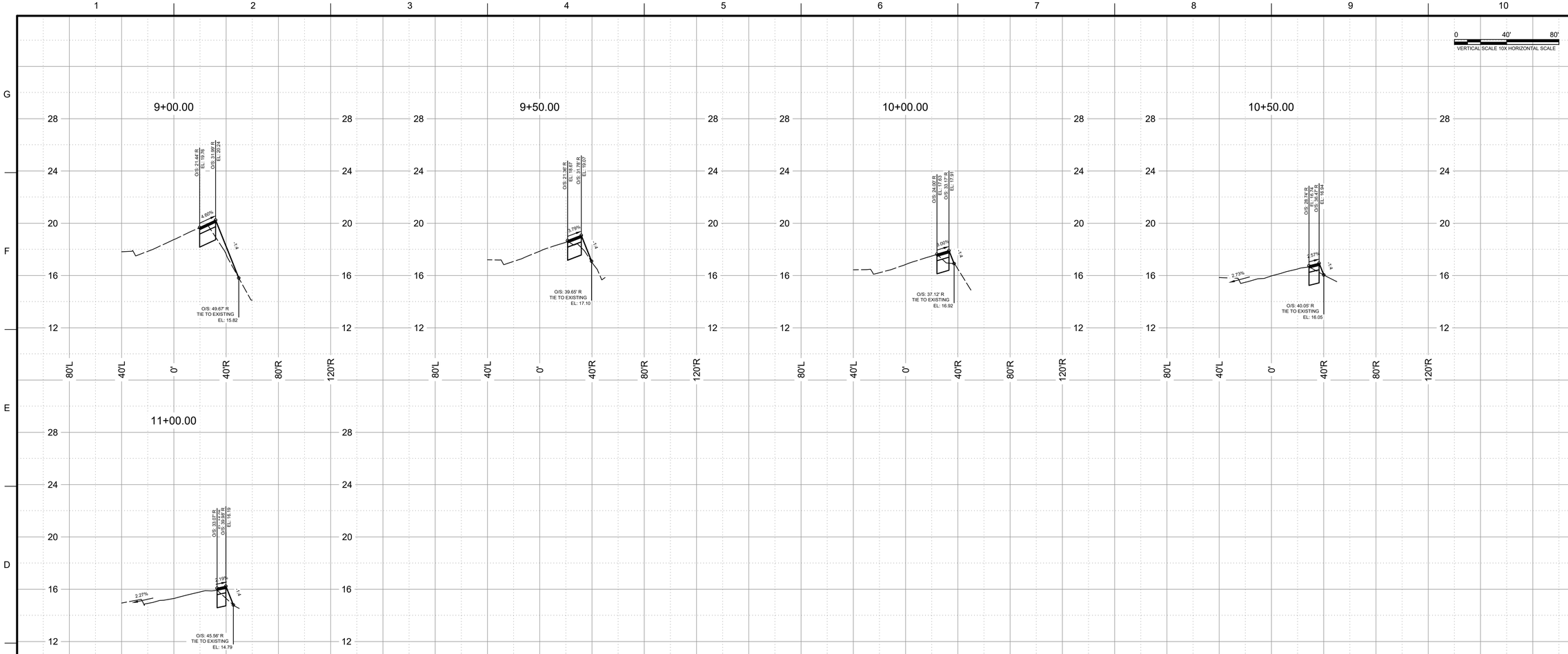
AIR CARGO ACCESS IMPROVEMENTS

PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CROSS SECTIONS JAMES TURNAGE BLVD

SHEET ID
C-07.01

ISSUED FOR BID



LEGEND

- EXISTING SURFACE
- PROPOSED SURFACE

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LICENSED PROFESSIONAL

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SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS

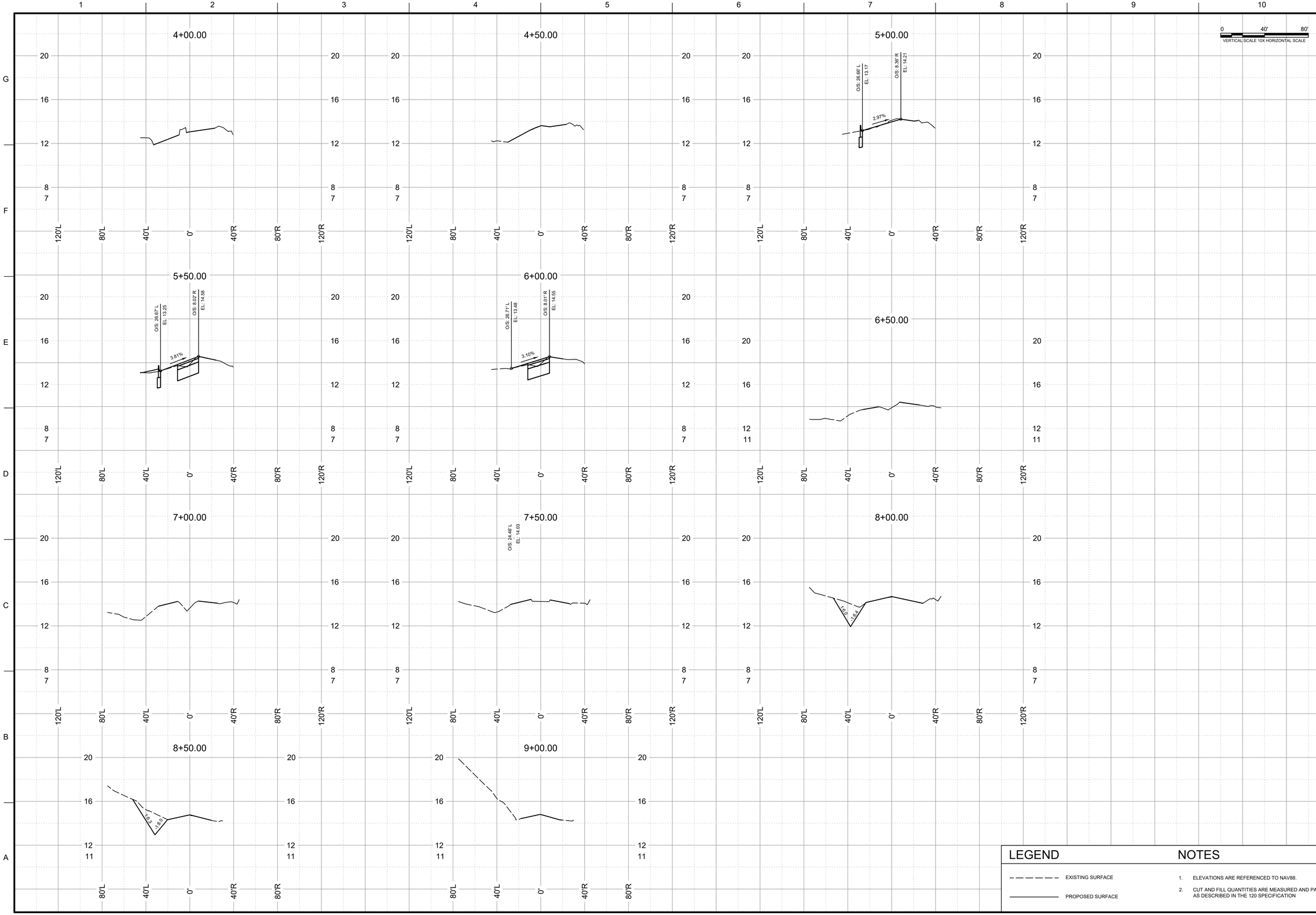
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CROSS SECTIONS
JAMES TURNAGE BLVD

SHEET ID

C-07.02

ISSUED FOR BID



LEGEND

- EXISTING SURFACE
- PROPOSED SURFACE

NOTES

1. ELEVATIONS ARE REFERENCED TO NAV88.
2. CUT AND FILL QUANTITIES ARE MEASURED AND PAID AS DESCRIBED IN THE 120 SPECIFICATION

DEPARTMENT OF AIRPORTS
PALM BEACH COUNTY

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL

EMILIO CORRALES
FL REG. NO. 70657
DATE: FEBRUARY 2026

DRAWN BY: G. COLOME
DESIGNED BY: J. RODRIGUEZ
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PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS

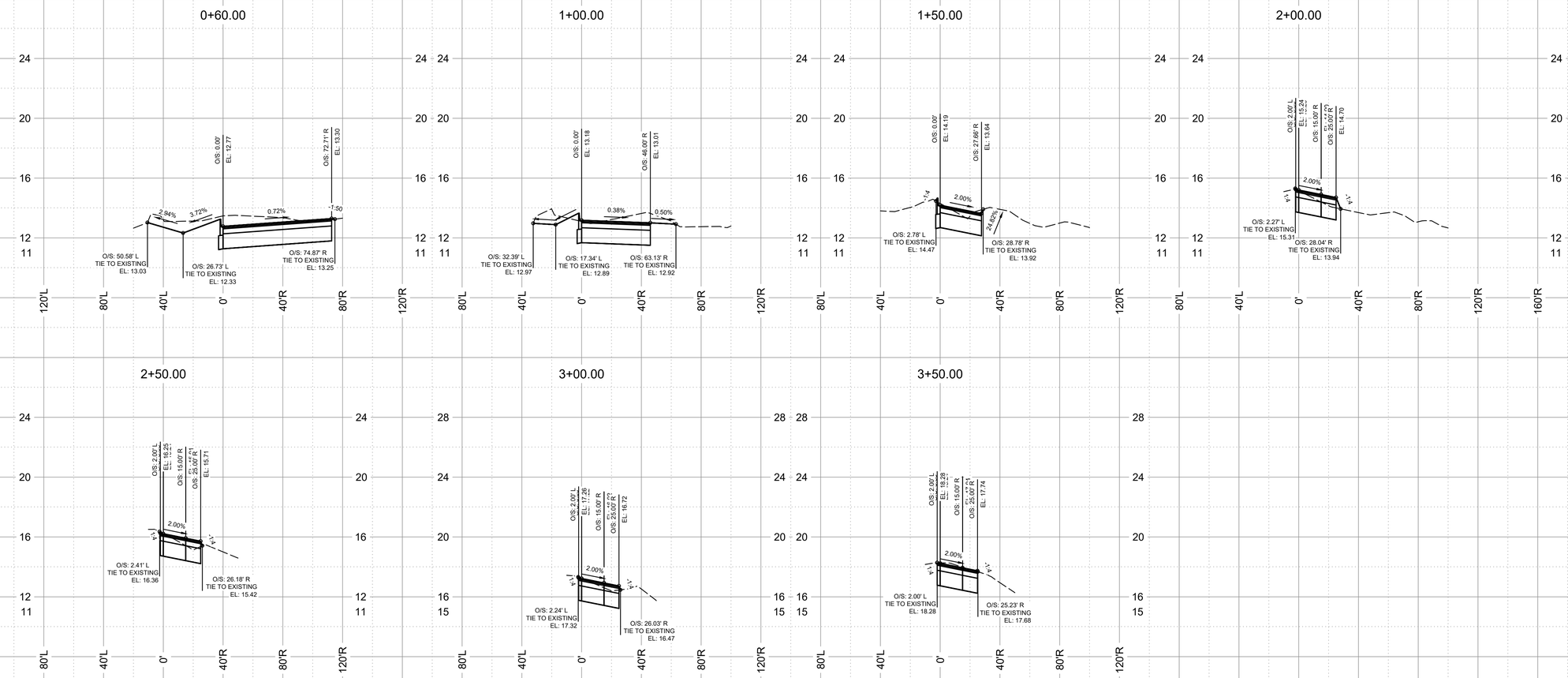
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CROSS SECTIONS PERIMETER RD

SHEET ID
C-07.03

ISSUED FOR BID

0 40' 80'
VERTICAL SCALE 10X HORIZONTAL SCALE



LEGEND

- EXISTING SURFACE
- PROPOSED SURFACE

NOTES

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2. CUT AND FILL QUANTITIES ARE MEASURED AND PAID AS DESCRIBED IN THE 120 SPECIFICATION

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
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FL PE NO. 70657
DATE: FEBRUARY 2026

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WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 100
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

CROSS SECTIONS
RAMP A

SHEET ID
C-07.04

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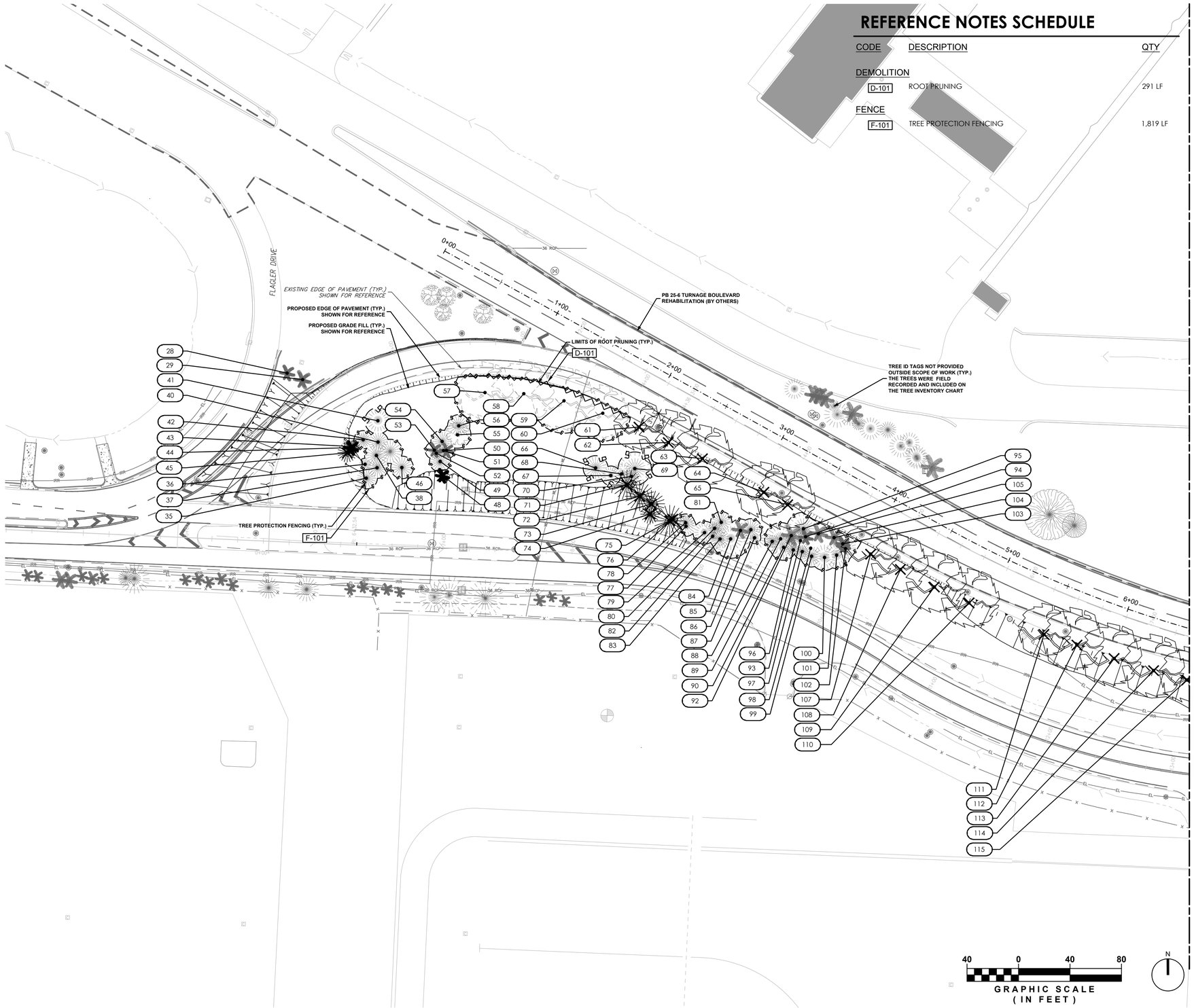
ISSUED FOR BID

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY
DEMOLITION		
D-101	ROOT PRUNING	291 LF
FENCE		
F-101	TREE PROTECTION FENCING	1,819 LF



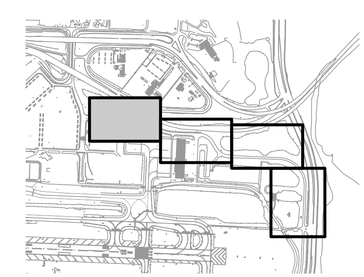
LEGEND

F-101

D-101

NOTES

KEY MAP



cma chen moore and associates
500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86673
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026

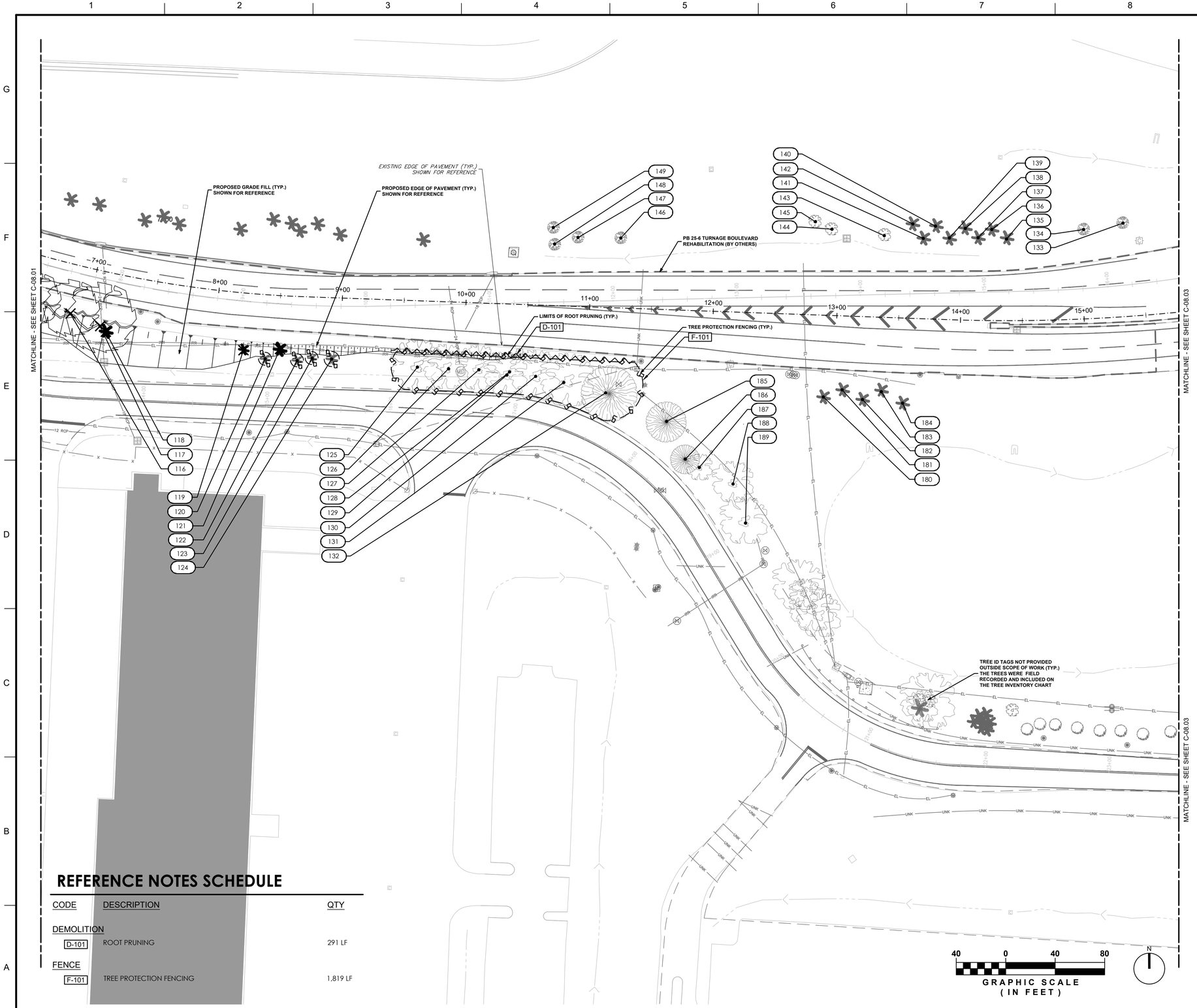
PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420
HDR
3230 W. COMMERCIAL BLVD.
SUITE 200
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.01

ISSUED FOR BID



REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	QTY
DEMOLITION		
D-101	ROOT PRUNING	291 LF
FENCE		
F-101	TREE PROTECTION FENCING	1,819 LF

LEGEND

F-101

D-101

NOTES

cma chen moore and associates
500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
561.746.6900
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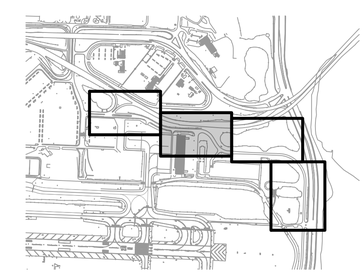
KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66713
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

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PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.02

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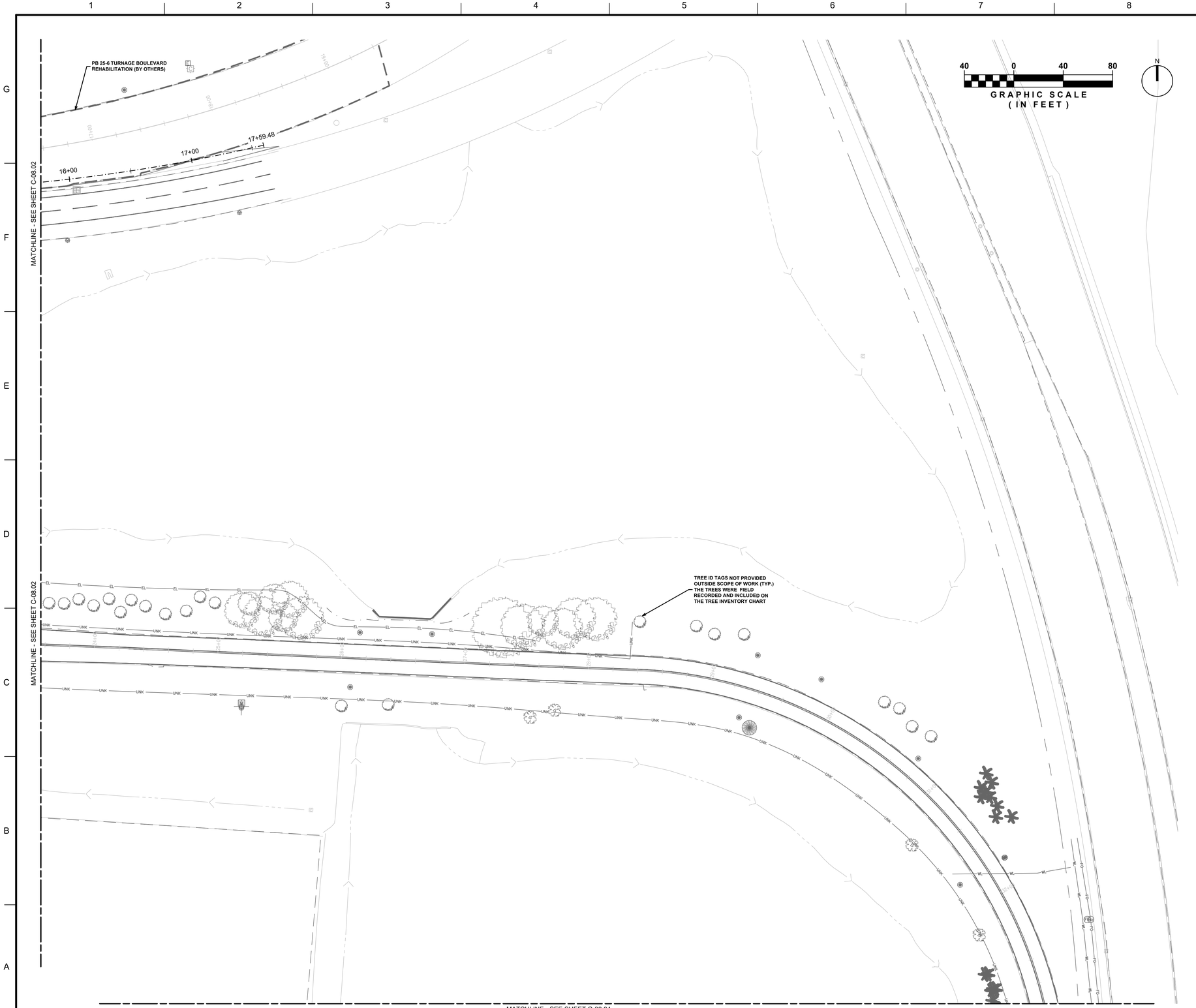

LEGEND

F-101

D-101

NOTES

chen moore and associates

500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
561.746.6900
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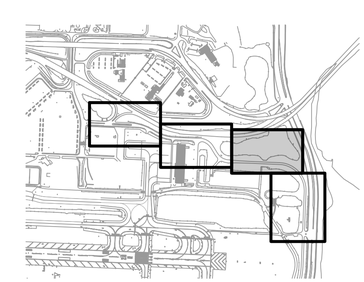
KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL

ERIC HARRISON
FL PE NO.: 6667129
DATE: FEBRUARY 2026

DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026
DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
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PHONE: 561-471-7420

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AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.03

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ISSUED FOR BID

LEGEND

F-101

D-101

NOTES

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500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
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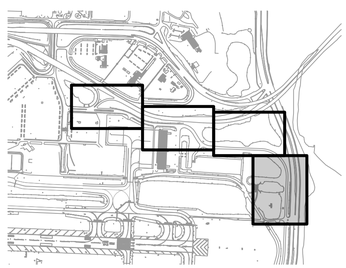
KEY MAP



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PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.04

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ISSUED FOR BID

TREE DISPOSITION CHART

Tree No.	Common Name	Scientific Name	DBH (in.)	Spread (ft.)	Condition	Observation 1	Observation 2	Observation 3	Disposition	Mitigation (Quantity)	Notes
1	Cabbage Palm	*Sabal palmetto*	14	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
2	Cabbage Palm	*Sabal palmetto*	14	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
3	Cabbage Palm	*Sabal palmetto*	23	15	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
4	Cabbage Palm	*Sabal palmetto*	22	14	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
5	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
6	Cabbage Palm	*Sabal palmetto*	14	12	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
7	Cabbage Palm	*Sabal palmetto*	14	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
8	Slash Pine	*Pinus elliottii*	7	12	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
9	Slash Pine	*Pinus elliottii*	19	24	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
10	Cabbage Palm	*Sabal palmetto*	15	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
11	Cabbage Palm	*Sabal palmetto*	16	11	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
12	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
13	Cabbage Palm	*Sabal palmetto*	14	11	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
14	Cabbage Palm	*Sabal palmetto*	14	11	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
15	Slash Pine	*Pinus elliottii*	9	17	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
16	Slash Pine	*Pinus elliottii*	11	19	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
17	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
18	Cabbage Palm	*Sabal palmetto*	16	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
19	Cabbage Palm	*Sabal palmetto*	10	9	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
20	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
21	Cabbage Palm	*Sabal palmetto*	15	9	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
22	Slash Pine	*Pinus elliottii*	14	24	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
23	Slash Pine	*Pinus elliottii*	14	30	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
24	Slash Pine	*Pinus elliottii*	11	28	Good (61% to 80%)	Dead Wood			Remain		OUTSIDE OF PROJECT LIMITS
25	Cabbage Palm	*Sabal palmetto*	13	11	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
26	Cabbage Palm	*Sabal palmetto*	13	9	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
27	Cabbage Palm	*Sabal palmetto*	15	10	Good (61% to 80%)				Remain		OUTSIDE OF PROJECT LIMITS
28	Coconut Palm	*Cocos nucifera*	8	14	Good (61% to 80%)				Remain		
29	Coconut Palm	*Cocos nucifera*	9	16	Good (61% to 80%)				Remain		
30	Coconut Palm	*Cocos nucifera*	8	17	Good (61% to 80%)				Remain		
31	Coconut Palm	*Cocos nucifera*	9	16	Fair (41% to 60%)	Nutrient Deficiency			Remain		
32	Coconut Palm	*Cocos nucifera*	10	14	Fair (41% to 60%)	Nutrient Deficiency			Remain		
33	Coconut Palm	*Cocos nucifera*	9	16	Good (61% to 80%)				Remain		
34	Coconut Palm	*Cocos nucifera*	8	15	Good (61% to 80%)				Remain		
35	Slash Pine	*Pinus elliottii*	9	15	Good (61% to 80%)				Remain		
36	Slash Pine	*Pinus elliottii*	7	9	Fair (41% to 60%)	Reduced Canopy (Moderate)			Remain		
37	Slash Pine	*Pinus elliottii*	11	16	Good (61% to 80%)				Remain		
38	Slash Pine	*Pinus elliottii*	13	18	Good (61% to 80%)				Remain		
39	Slash Pine	*Pinus elliottii*	14	18	Good (61% to 80%)				Remain		
40	Slash Pine	*Pinus elliottii*	12	15	Good (61% to 80%)				Remain		
41	Slash Pine	*Pinus elliottii*	15	18	Good (61% to 80%)	Dead Wood			Remain		
42	Slash Pine	*Pinus elliottii*	10	12	Good (61% to 80%)				Remain		
43	Slash Pine	*Pinus elliottii*	9	10	Good (61% to 80%)				Remove	3	
44	Cabbage Palm	*Sabal palmetto*	14	10	Good (61% to 80%)				Remove		Unable to separate rootballs of 43 and 45
45	Slash Pine	*Pinus elliottii*	10	15	Good (61% to 80%)				Remove	3	
46	Slash Pine	*Pinus elliottii*	12	16	Good (61% to 80%)	Dead Wood			Remain		
47	Cabbage Palm	*Sabal palmetto*	16	12	Good (61% to 80%)				N/A		NOT ON SURVEY
48	Cabbage Palm	*Sabal palmetto*	21	15	Good (61% to 80%)				Relocate		
49	Slash Pine	*Pinus elliottii*	9	15	Good (61% to 80%)				Remain		
50	Cabbage Palm	*Sabal palmetto*	16	11	Good (61% to 80%)				Remain		
51	Slash Pine	*Pinus elliottii*	11	13	Good (61% to 80%)	Dead Wood			Remain		
52	Slash Pine	*Pinus elliottii*	9	13	Good (61% to 80%)	Dead Wood			Remain		
53	Cabbage Palm	*Sabal palmetto*	16	11	Good (61% to 80%)				Remain		
54	Slash Pine	*Pinus elliottii*	14	16	Fair (41% to 60%)	Dead Wood	Reduced Canopy (Moderate)		Remain		
55	Red Bay	*Persea borbonia*	13	19	Good (61% to 80%)	Dead Wood			Remain		
56	Slash Pine	*Pinus elliottii*	9	17	Good (61% to 80%)	Dead Wood			Remain		
57	Indian Laurel Fig	*Ficus nitida*	53	45	Fair (41% to 60%)	Decay Present	Dead Wood		Remain		
58	Indian Laurel Fig	*Ficus nitida*	37	50	Good (61% to 80%)	Stubs with Sprouts			Remain		
59	Indian Laurel Fig	*Ficus nitida*	30	50	Good (61% to 80%)	Dead Wood			Remain		
60	Indian Laurel Fig	*Ficus nitida*	35	45	Good (61% to 80%)	Dead Wood		Broken Limbs	Remain		
61	Indian Laurel Fig	*Ficus nitida*	32	40	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
62	Indian Laurel Fig	*Ficus nitida*	37	50	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
63	Indian Laurel Fig	*Ficus nitida*	36	50	Good (61% to 80%)	Dead Wood	PVC Pipe in Trunk		Remove	N/A	Non-native
64	Indian Laurel Fig	*Ficus nitida*	27	45	Good (61% to 80%)				Remove	N/A	Non-native
65	Indian Laurel Fig	*Ficus nitida*	29	48	Good (61% to 80%)	Dead Wood	Decay Present		Remove	N/A	Non-native
66	Slash Pine	*Pinus elliottii*	11	18	Good (61% to 80%)				Remain		
67	Slash Pine	*Pinus elliottii*	11	13	Good (61% to 80%)	Dead Wood			Remain		
68	Slash Pine	*Pinus elliottii*	11	18	Good (61% to 80%)				Remain		
69	Slash Pine	*Pinus elliottii*	13	23	Good (61% to 80%)	Dead Wood			Remain		
70	Slash Pine	*Pinus elliottii*	8	12	Good (61% to 80%)	Dead Wood			Remain		
71	Slash Pine	*Pinus elliottii*	14	24	Good (61% to 80%)				Remove	3	
72	Slash Pine	*Pinus elliottii*	9	22	Good (61% to 80%)				Remove	2	
73	Slash Pine	*Pinus elliottii*	16	22	Good (61% to 80%)	Dead Wood			Remove	3	
74	Slash Pine	*Pinus elliottii*	9	15	Good (61% to 80%)	Dead Wood			Remove	2	
75	Slash Pine	*Pinus elliottii*	13	24	Good (61% to 80%)				Remove	3	
76	Slash Pine	*Pinus elliottii*	4	8	Good (61% to 80%)				Remove	1	
77	Slash Pine	*Pinus elliottii*	10	15	Good (61% to 80%)				Remain		
78	Slash Pine	*Pinus elliottii*	7	13	Fair (41% to 60%)	Dead Wood	Reduced Canopy (Moderate)		Remain		
79	Slash Pine	*Pinus elliottii*	9	16	Fair (41% to 60%)	Dead Wood	Crown Density - Low		Remain		
80	Slash Pine	*Pinus elliottii*	7	10	Good (61% to 80%)	Dead Wood			Remain		
81	Slash Pine	*Pinus elliottii*	10	15	Good (61% to 80%)	Dead Wood			Remain		
82	Slash Pine	*Pinus elliottii*	15	20	Fair (41% to 60%)	Lopsided/Moderately Reduced Canopy			Remain		
83	Slash Pine	*Pinus elliottii*	8	15	Good (61% to 80%)	Dead Wood			Remain		
84	Slash Pine	*Pinus elliottii*	15	30	Good (61% to 80%)				Remain		
85	Cabbage Palm	*Sabal palmetto*	21	15	Good (61% to 80%)				Remain		
86	Slash Pine	*Pinus elliottii*	8	16	Good (61% to 80%)				Remain		
87	Slash Pine	*Pinus elliottii*	11	18	Good (61% to 80%)				Remain		
88	Slash Pine	*Pinus elliottii*	6	10	Good (61% to 80%)				Remain		
89	Slash Pine	*Pinus elliottii*	13	24	Good (61% to 80%)	Dead Wood			Remain		
90	Slash Pine	*Pinus elliottii*	12	20	Good (61% to 80%)				Remain		
91	Slash Pine	*Pinus elliottii*	12	20	Good (61% to 80%)				Remain		
92	Royal Palm	*Roystonea regia*	12	18	Good (61% to 80%)				Remain		
93	Slash Pine	*Pinus elliottii*	11	16	Good (61% to 80%)	Dead Wood			Remain		
94	Royal Palm	*Roystonea regia*	14	16	Good (61% to 80%)				Remain		
95	Slash Pine	*Pinus elliottii*	16	25	Good (61% to 80%)	Dead Wood			Remain		SURVEY SHOWS TREE SOUTH OF THIS TREE, BUT NO TREE PRESENT TO SOUTH
96	Slash Pine	*Pinus elliottii*	9	11	Good (61% to 80%)				Remain		
97	Slash Pine	*Pinus elliottii*	9	10	Good (61% to 80%)				Remain		
98	Slash Pine	*Pinus elliottii*	9	1	Dead (0% to 5%)				Remain		
99	Slash Pine	*Pinus elliottii*	11	15	Fair (41% to 60%)	Dead Wood	Lopsided/Moderately Reduced Canopy		Remain		
100	Slash Pine	*Pinus elliottii*	12	20	Good (61% to 80%)				Remain		
101	Slash Pine	*Pinus elliottii*	13	20	Good (61% to 80%)	Dead Wood			Remain		
102	Slash Pine	*Pinus elliottii*	14	16	Good (61% to 80%)	Dead Wood			Remain		
103	Cabbage Palm	*Sabal palmetto*	20	16	Good (61% to 80%)	Umbrella Tree on Trunk			Remain		SURVEY SHOWS ADJACENT TREE, BUT NO ADJACENT TREE PRESENT
104	Cabbage Palm	*Sabal palmetto*	18	16	Good (61% to 80%)				Remain		
105	Slash Pine	*Pinus elliottii*	16	16	Good (61% to 80%)				Remain		
106	Slash Pine	*Pinus elliottii*	12	15	Good (61% to 80%)				N/A		NOT ON SURVEY
107	Indian Laurel Fig	*Ficus nitida*	45	45	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
108	Indian Laurel Fig	*Ficus nitida*	41	46	Good (61% to 80%)	Dead Wood	Stubs with Sprouts		Remove	N/A	Non-native
109	Indian Laurel Fig	*Ficus nitida*	41	50	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
110	Indian Laurel Fig	*Ficus nitida*	43	47	Good (61% to 80%)	Stubs with Sprouts			Remove	N/A	Non-native
111	Indian Laurel Fig	*Ficus nitida*	44	45	Good (61% to 80%)	Stubs with Sprouts			Remove	N/A	Non-native
112	Indian Laurel Fig	*Ficus nitida*	37	50	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
113	Indian Laurel Fig	*Ficus nitida*	43	50	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
114	Indian Laurel Fig	*Ficus nitida*	42	52	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
115	Indian Laurel Fig	*Ficus nitida*	34	45	Good (61% to 80%)	Dead Wood			Remove	N/A	Non-native
116	Indian Laurel Fig	*Ficus nitida*	28	50	Good (61% to 80%)	Dead Wood	Broken Branches		Remove	N/A	Non-native
117	Indian Laurel Fig	*Ficus nitida*	62	60	Good (61% to 80%)	Dead Wood	Broken Branches		Remove	N/A	Non-native
118	Royal Palm	*Roystonea regia*	8	12	Fair (41% to 60%)	Suppressed Canopy	Nutrient Deficiency		Remove	1	
119	Cabbage Palm	*Sabal palmetto*	13	10	Good (61% to 80%)				Relocate		
120	Cabbage Palm	*Sabal palmetto*	13	10	Good (61% to 80%)				Remain		
121	Cabbage Palm	*Sabal palmetto*	0	0	Dead (0% to 5%)	Stump Only			Remove	1	
122	Cabbage Palm	*Sabal palmetto*	13	10	Good (61% to 80%)				Remain		
123	Cabbage Palm	*Sabal palmetto*	9	9	Good (61% to 80%)				Remain		
124	Cabbage Palm	*Sabal palmetto*	13	11	Good (61% to 80%)				Remain		
125	Live Oak	*Quercus virginiana*	20	45	Good (61% to 80%)	Dead Wood	Stubs with Sprouts		Remain		
126	Live Oak	*Quercus virginiana*	19	40	Good (61% to 80%)	Dead Wood			Remain		
127	Live Oak	*Quercus virginiana*	19	40	Good (61% to 80%)	Dead Wood			Remain		
128	Live Oak	*Quercus virginiana*	20	38	Fair (41% to 60%)	Reduced Canopy (Moderate)	Stubs with Sprouts		Remain		

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MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86712
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420

HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.05

ISSUED FOR BID

TREE DISPOSITION CHART

Tree No.	Common Name	Scientific Name	DBH (in.)	Spread (ft.)	Condition	Observation 1	Observation 2	Observation 3	Disposition	Mitigation (Quantity)	Notes
129	Live Oak	*Quercus virginiana*	20	38	Fair (41% to 60%)	Reduced Canopy (Moderate)	Stubs with Sprouts		Remain		
130	Live Oak	*Quercus virginiana*	20	46	Good (61% to 80%)	Dead Wood			Remain		
131	Live Oak	*Quercus virginiana*	23	50	Good (61% to 80%)	Dead Wood	Sprouting		Remain		
132	Mahogany	*Swietenia mahagoni*	19	46	Fair (41% to 60%)	Girdling Roots	Dead Wood		Remain		
133	Coconut Palm	*Cocos nucifera*	9	18	Good (61% to 80%)				Remain		
134	Coconut Palm	*Cocos nucifera*	9	15	Fair (41% to 60%)	Nutrient Deficiency			Remain		
135	Royal Palm	*Roystonea regia*	21	16	Good (61% to 80%)				Remain		
136	Royal Palm	*Roystonea regia*	25	22	Good (61% to 80%)				Remain		
137	Royal Palm	*Roystonea regia*	21	18	Good (61% to 80%)				Remain		
138	Royal Palm	*Roystonea regia*	19	16	Good (61% to 80%)	Nutrient Deficiency			Remain		
139	Royal Palm	*Roystonea regia*	22	20	Good (61% to 80%)				Remain		
140	Royal Palm	*Roystonea regia*	18	18	Good (61% to 80%)				Remain		
141	Royal Palm	*Roystonea regia*	18	20	Good (61% to 80%)				Remain		
142	Royal Palm	*Roystonea regia*	18	18	Good (61% to 80%)				Remain		
143	Live Oak	*Quercus virginiana*	13	24	Good (61% to 80%)	Dead Wood			Remain		
144	Live Oak	*Quercus virginiana*	13	26	Fair (41% to 60%)	Leaning (Moderate)	Dead Wood		Remain		
145	Live Oak	*Quercus virginiana*	9	19	Good (61% to 80%)				Remain		
146	Coconut Palm	*Cocos nucifera*	10	20	Good (61% to 80%)				Remain		
147	Coconut Palm	*Cocos nucifera*	11	18	Good (61% to 80%)				Remain		
148	Coconut Palm	*Cocos nucifera*	8	18	Good (61% to 80%)				Remain		
149	Coconut Palm	*Cocos nucifera*	9	18	Good (61% to 80%)				Remain		
150	Queen Palm	*Syagrus romanzoffiana*	8	17	Good (61% to 80%)				Remain		
151	Cabbage Palm	*Sabal palmetto*	9	10	Good (61% to 80%)				Remain		
152	Cabbage Palm	*Sabal palmetto*	11	9	Good (61% to 80%)				Remain		
153	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		
154	Cabbage Palm	*Sabal palmetto*	13	10	Good (61% to 80%)				Remain		
155	Cabbage Palm	*Sabal palmetto*	13	1	Good (61% to 80%)				Remain		
156	Cabbage Palm	*Sabal palmetto*	12	9	Good (61% to 80%)				Remain		
157	Cabbage Palm	*Sabal palmetto*	14	1	Good (61% to 80%)				Remain		
158	Cabbage Palm	*Sabal palmetto*	14	10	Good (61% to 80%)				Remain		
159	Cabbage Palm	*Sabal palmetto*	12	10	Good (61% to 80%)				Remain		
160	Cabbage Palm	*Sabal palmetto*	11	10	Good (61% to 80%)				Remain		
161	Cabbage Palm	*Sabal palmetto*	10	10	Good (61% to 80%)				Remain		
162	Mahogany	*Swietenia mahagoni*	12	19	Fair (41% to 60%)	Girdling Roots	Reduced Canopy (Moderate)		Remain		
163	Mahogany	*Swietenia mahagoni*	19	40	Fair (41% to 60%)	Codominant Leaders/No Included Bark			Remain		
164	Royal Palm	*Roystonea regia*	20	20	Good (61% to 80%)				Remain		
165	Slash Pine	*Pinus elliottii*	9	16	Good (61% to 80%)	Dead Wood			Remain		
166	Slash Pine	*Pinus elliottii*	8	18	Good (61% to 80%)	Dead Wood			Remain		
167	Slash Pine	*Pinus elliottii*	11	16	Good (61% to 80%)				Remain		
168	Slash Pine	*Pinus elliottii*	10	18	Good (61% to 80%)				Remain		
169	Slash Pine	*Pinus elliottii*	12	13	Dead (0% to 5%)				Remain		
170	Slash Pine	*Pinus elliottii*	13	18	Fair (41% to 60%)	Vine Cover (Heavy)	Dead Wood		Remain		
171	Slash Pine	*Pinus elliottii*	8	10	Fair (41% to 60%)	Vine Cover (Heavy)	Dead Wood		Remain		
172	Cabbage Palm	*Sabal palmetto*	123	18	Good (61% to 80%)				Remain		
173	Slash Pine	*Pinus elliottii*	11	15	Good (61% to 80%)	Dead Wood			Remain		
174	Slash Pine	*Pinus elliottii*	10	20	Good (61% to 80%)	Dead Wood			Remain		
175	Slash Pine	*Pinus elliottii*	8	9	Fair (41% to 60%)	Reduced Canopy (Moderate)	Dead Wood		Remain		
176	Cabbage Palm	*Sabal palmetto*	18	16	Good (61% to 80%)				Remain		
177	Cabbage Palm	*Sabal palmetto*	21	16	Good (61% to 80%)				Remain		
178	Cabbage Palm	*Sabal palmetto*	17	16	Good (61% to 80%)				Remain		
179	Slash Pine	*Pinus elliottii*	9	16	Fair (41% to 60%)	Dead Wood	Reduced Canopy (Moderate)		Remain		
180	Royal Palm	*Roystonea regia*	19	18	Good (61% to 80%)				Remain		
181	Royal Palm	*Roystonea regia*	19	18	Good (61% to 80%)				Remain		
182	Royal Palm	*Roystonea regia*	21	17	Good (61% to 80%)				Remain		
183	Royal Palm	*Roystonea regia*	19	18	Good (61% to 80%)				Remain		
184	Royal Palm	*Roystonea regia*	17	16	Good (61% to 80%)				Remain		
185	Mahogany	*Swietenia mahagoni*	14	33	Good (61% to 80%)	Broken Branches	Dead Wood		Remain		
186	Mahogany	*Swietenia mahagoni*	16	24	Poor (21% to 40%)	Reduced Canopy (Moderate)	Trunk Damage (Major)	Broken Branches	Remain		
187	Mahogany	*Swietenia mahagoni*	13	23	Poor (21% to 40%)	Reduced Canopy (Moderate)	Trunk Damage (Major)	Girdling Roots	Remain		
188	Live Oak	*Quercus virginiana*	18	37	Good (61% to 80%)	Dead Wood			Remain		
189	Live Oak	*Quercus virginiana*	22	45	Good (61% to 80%)	Dead Wood	Girdling Roots		Remain		
190	Live Oak	*Quercus virginiana*	23	48	Fair (41% to 60%)	Restricted Canopy			Remain		
191	Live Oak	*Quercus virginiana*	19	25	Fair (41% to 60%)	Restricted Canopy			Remain		
192	Live Oak	*Quercus virginiana*	19	40	Fair (41% to 60%)	Restricted Canopy	Dead Wood		Remain		
193	Live Oak	*Quercus virginiana*	26	40	Fair (41% to 60%)	Restricted Canopy	Dead Wood		Remain		
194	Live Oak	*Quercus virginiana*	49	60	Fair (41% to 60%)	Nutrient Deficiency	Decay Present	Dead Wood	N/A		NOT ON SURVEY
195	Cabbage Palm	*Sabal palmetto*	19	15	Good (61% to 80%)				Remain		
196	Live Oak	*Quercus virginiana*	17	28	Fair (41% to 60%)	Restricted Canopy			Remain		
197	Live Oak	*Quercus virginiana*	22	45	Good (61% to 80%)	Dead Wood			Remain		
198	Live Oak	*Quercus virginiana*	26	50	Good (61% to 80%)	Dead Wood			Remain		
199	Live Oak	*Quercus virginiana*	10	15	Fair (41% to 60%)	Restricted Canopy			N/A		NOT ON SURVEY
200	Cabbage Palm	*Sabal palmetto*	11	11	Good (61% to 80%)				Remain		
201	Cabbage Palm	*Sabal palmetto*	11	9	Good (61% to 80%)				Remain		
202	Cabbage Palm	*Sabal palmetto*	11	9	Good (61% to 80%)				Remain		
203	Cabbage Palm	*Sabal palmetto*	11	10	Good (61% to 80%)				Remain		
204	Cabbage Palm	*Sabal palmetto*	12	11	Good (61% to 80%)				Remain		
205	Cabbage Palm	*Sabal palmetto*	10	10	Good (61% to 80%)				Remain		
206	Cabbage Palm	*Sabal palmetto*	13	11	Good (61% to 80%)				Remain		
207	Live Oak	*Quercus virginiana*	17	25	Fair (41% to 60%)	Restricted Canopy	Dead Wood		Remain		
208	Java Plum	*Syzygium cumini*	28	26	Fair (41% to 60%)	Reduced Canopy (Moderate)	Restricted Canopy	Stubs with Sprouts	Remain		
209	Java Plum	*Syzygium cumini*	21	25	Fair (41% to 60%)	Reduced Canopy (Moderate)	Restricted Canopy	Stubs with Sprouts	Remain		
210	Java Plum	*Syzygium cumini*	23	30	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
211	Java Plum	*Syzygium cumini*	25	25	Poor (21% to 40%)	Reduced Canopy (Major)	Restricted Canopy	Stubs with Sprouts	Remain		
212	Java Plum	*Syzygium cumini*	25	30	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
213	Java Plum	*Syzygium cumini*	19	24	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts	Girdling Roots	Remain		
214	Java Plum	*Syzygium cumini*	23	26	Very Poor/Critical (6% to 20%)	Trunk Damage (Major)	Decay Present	Sprouting	Remain		
215	Java Plum	*Syzygium cumini*	27	28	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
216	Java Plum	*Syzygium cumini*	25	25	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts	Girdling Roots	Remain		
217	Java Plum	*Syzygium cumini*	25	30	Fair (41% to 60%)		Restricted Canopy	Sprouting	Remain		
218	Java Plum	*Syzygium cumini*	21	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
219	Java Plum	*Syzygium cumini*	21	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
220	Java Plum	*Syzygium cumini*	24	28	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
221	Java Plum	*Syzygium cumini*	21	20	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
222	Java Plum	*Syzygium cumini*	25	20	Poor (21% to 40%)	Trunk Damage (Major)	Decay Present	Restricted Canopy	Remain		
223	Java Plum	*Syzygium cumini*	25	30	Fair (41% to 60%)	Reduced Canopy (Major)	Stubs with Sprouts		Remain		
224	Java Plum	*Syzygium cumini*	25	35	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
225	Java Plum	*Syzygium cumini*	24	30	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
226	Java Plum	*Syzygium cumini*	24	30	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
227	Java Plum	*Syzygium cumini*	22	30	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
228	Java Plum	*Syzygium cumini*	23	30	Fair (41% to 60%)	Reduced Canopy (Major)	Stubs with Sprouts		Remain		
229	Java Plum	*Syzygium cumini*	16	20	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
230	Java Plum	*Syzygium cumini*	24	35	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
231	Java Plum	*Syzygium cumini*	19	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
232	Java Plum	*Syzygium cumini*	21	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
233	Java Plum	*Syzygium cumini*	21	30	Poor (21% to 40%)	Restricted Canopy	Stubs with Sprouts		Remain		
234	Java Plum	*Syzygium cumini*	29	50	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
235	Java Plum	*Syzygium cumini*	34	35	Fair (41% to 60%)	Restricted Canopy	Stubs with Sprouts		Remain		
236	Java Plum	*Syzygium cumini*	22	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
237	Java Plum	*Syzygium cumini*	20	35	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
238	Java Plum	*Syzygium cumini*	23	35	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
239	Java Plum	*Syzygium cumini*	26	35	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
240	Java Plum	*Syzygium cumini*	25	25	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
241	Java Plum	*Syzygium cumini*	25	20	Fair (41% to 60%)	Restricted Canopy	Sprouting		N/A		NOT ON SURVEY
242	Java Plum	*Syzygium cumini*	25	30	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
243	Java Plum	*Syzygium cumini*	23	25	Fair (41% to 60%)	Restricted Canopy	Limb Damage - Major	Sprouting	Remain		
244	Java Plum	*Syzygium cumini*	27	30	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
245	Java Plum	*Syzygium cumini*	37	50	Fair (41% to 60%)	Limb Damage - Major	Sprouting		Remain		
246	Java Plum	*Syzygium cumini*	34	60	Fair (41% to 60%)	Girdling Roots			Remain		
247	Java Plum	*Syzygium cumini*	14	16	Poor (21% to 40%)	Restricted Canopy	Reduced Canopy (Major)	Decay Present	Remain		
248	Java Plum	*Syzygium cumini*	34	41	Fair (41% to 60%)	Restricted Canopy	Sprouting		Remain		
249	Java Plum	*Syzygium cumini*	41	60	Fair (41% to 60%)	Restricted Canopy	Dead Wood	Sprouting	Remain		
250	Cabbage Palm	*Sabal palmetto*	11	9	Fair (41% to 60%)	Over-Pruned			Remain		
251	Cabbage Palm	*Sabal palmetto*	11	8	Fair (41% to 60%)	Over-Pruned			Remain		
252	Cabbage Palm	*Sabal palmetto*	14	9	Fair (41% to 60%)	Over-Pruned			N/A		NOT ON SURVEY
253	Cabbage Palm	*Sabal palmetto*	9	8	Fair (41% to 60%)	Over-Pruned			Remain		
254	Cabbage Palm	*Sabal palmetto*	13	9	Fair (41% to 60%)	Over-Pruned			Remain		
255	Cabbage Palm	*Sabal palmetto*	11	8	Fair (41% to 60%)	Over-Pruned			Remain		
256	Cabbage Palm	*Sabal palmetto*	11	8	Fair (41% to 60%)	Over-Pruned			Remain		

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MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86712
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE 561-471-7420
HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.06

ISSUED FOR BID

TREE DISPOSITION CHART

Tree No.	Common Name	Scientific Name	DBH (in.)	Spread (ft.)	Condition	Observation 1	Observation 2	Observation 3	Disposition	Mitigation (Quantity)	Notes
257	Cabbage Palm	*Sabal palmetto*	13	8	Fair (41% to 60%)	Over-Pruned			Remain		
258	Cabbage Palm	*Sabal palmetto*	13	5	Fair (41% to 60%)	Over-Pruned			Remain		
259	Cabbage Palm	*Sabal palmetto*	15	9	Fair (41% to 60%)	Over-Pruned			Remain		
260	Southern Redcedar	*Juniperus virginiana*	9	11	Poor (21% to 40%)	Reduced Canopy (Moderate)	Crown Density - Moderate	Dead Wood	Remain		
261	Southern Redcedar	*Juniperus virginiana*	16	15	Poor (21% to 40%)	Reduced Canopy (Major)	Crown Density - Low	Dead Wood	Remain		
262	Laurel Oak	*Quercus laurifolia*	28	58	Good (61% to 80%)	Dead Wood	Sprouting		Remain		
263	Laurel Oak	*Quercus laurifolia*	27	52	Fair (41% to 60%)	Codominant Leaders/Included Bark	Dead Wood		Remain		
264	Mahogany	*Swietenia mahagoni*	19	36	Poor (21% to 40%)	Codominant Leaders/Included Bark	Decay Present	Limb Damage - Major	Remain		TREE CLUSTER TO EAST NOT PRESENT
265	Live Oak	*Quercus virginiana*	29	67	Good (61% to 80%)	Dead Wood	Sprouting		Remain		
266	Live Oak	*Quercus virginiana*	21	38	Good (61% to 80%)	Dead Wood			Remain		
267	Cabbage Palm	*Sabal palmetto*	18	19	Good (61% to 80%)				Remain		
268	Cabbage Palm	*Sabal palmetto*	17	15	Good (61% to 80%)				Remain		
269	Cabbage Palm	*Sabal palmetto*	18	15	Good (61% to 80%)				Remain		
270	Cabbage Palm	*Sabal palmetto*	18	14	Good (61% to 80%)				Remain		
271	Cabbage Palm	*Sabal palmetto*	16	16	Good (61% to 80%)				Remain		
272	Slash Pine	*Pinus elliottii*	16	30	Good (61% to 80%)	Dead Wood			Remain		
273	Cabbage Palm	*Sabal palmetto*	18	16	Fair (41% to 60%)	Restricted Canopy	Growing Against Pine		Remain		
274	Slash Pine	*Pinus elliottii*	10	18	Good (61% to 80%)				Remain		
275	Cabbage Palm	*Sabal palmetto*	19	18	Fair (41% to 60%)	Restricted Canopy	Growing Against Pine		Remain		
276	Slash Pine	*Pinus elliottii*	17	30	Good (61% to 80%)	Dead Wood			Remain		
277	Cabbage Palm	*Sabal palmetto*	17	16	Good (61% to 80%)				Remain		
278	Slash Pine	*Pinus elliottii*	10	18	Good (61% to 80%)	Dead Wood			Remain		
279	Slash Pine	*Pinus elliottii*	17	33	Good (61% to 80%)	Dead Wood			Remain		
280	Slash Pine	*Pinus elliottii*	18	38	Good (61% to 80%)	Dead Wood			Remain		
Mitigation Requirements											**Total**
Mitigation not required per Article 7.B.1.B.4 (Mitigation calculations shown below for reference purposes per PBC ULDC Article 14) final mitigation requirements shall be interpreted by the Palm Beach County Director of Airports											
Total existing vegetation on site (surveyed and tagged)											280 Trees/ Palms
Total existing vegetation to be preserved and to remain in their original location											245 Trees/ Palms
Total existing vegetation to be relocated on site											2 Palms
Total existing vegetation to be mitigated (Native)											12 Trees/ Palms
Total mitigation required per Table 14.C.7. B Native Vegetation Mitigation											22 Trees/ Palms

ROOT PRUNING NOTES

ROOT PRUNING IS THE CUTTING OF ROOTS TO ACCOMMODATE THE PROPOSED INFRASTRUCTURE AND SITE IMPROVEMENTS. IN INSTANCES WHERE ROOT PRUNING IS REQUIRED, THE WORK SHALL BE CONDUCTED BY AN ISA CERTIFIED ARBORIST. PRIOR TO ROOT PRUNING THE TREES SHALL BE EVALUATED BY AN ISA CERTIFIED ARBORIST TO DETERMINE WHETHER THE ROOT CUTTING WILL DESTABILIZE THE TREE OR CAUSE UNACCEPTABLE DAMAGE TO THE TREE.

1. ROOTS MAY NOT BE TORN OFF WITH POWER EQUIPMENT, AND CUT ROOTS SHALL NOT BE LEFT WITH RIPPED, RAGGED OR SHREDDED ENDS. ROOTS MUST BE CLEANLY SEVERED WITH SHARP HAND TOOLS OR POWER ROOT SAWS.
2. PRUNING TRENCHES SHALL BE BACKFILLED WITH NATIVE SOILS, FREE OF DEBRIS.
3. WHEN A ROOT WITH A DIAMETER OF TWO INCHES OR GREATER IS ENCOUNTERED, A FINAL CLEAN CUT SHALL BE MADE WITH A SAW. THE CUT SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH CLOSEST TO THE TREE.
4. WHEN ADJACENT TO NEW CURBING, UNCURBED PAVED AREAS, OR AREAS OF GRADE CHANGES, ROOTS SHALL BE CUT NO MORE THAN 18 INCHES TOWARDS THE TREE FROM THE BACK OF THE CURB, THE EDGE OF THE PAVEMENT, OR THE POINT OF INTERSECTION OF OLD AND NEW GRADES, RESPECTIVELY. AFTER ROOT PRUNING, NO EXCAVATION FOR THE INSTALLATION OF FORMS OR FOR ANY OTHER REASON MAY BE PERFORMED ANY CLOSER THAN SIX INCHES OUTSIDE OF THE ROOT PRUNING CUT. THE ROOT PRUNING TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY TREES IN NEED OF SUPPLEMENTAL SUPPORT FOLLOWING ROOT PRUNING. PRIOR TO COMMENCEMENT OF ROOT PRUNING, THE CONTRACTOR SHALL FURNISH A SUPPLEMENTAL SUPPORT PLAN WHICH IDENTIFIES EACH TREE IN NEED OF TEMPORARY SUPPLEMENTAL SUPPORT AND PROPOSE A STAKING/GUYING SYSTEM. THE CONTRACTOR SHALL INSTALL THE APPROVED SUPPORT SYSTEMS IMMEDIATELY FOLLOWING ROOT PRUING.

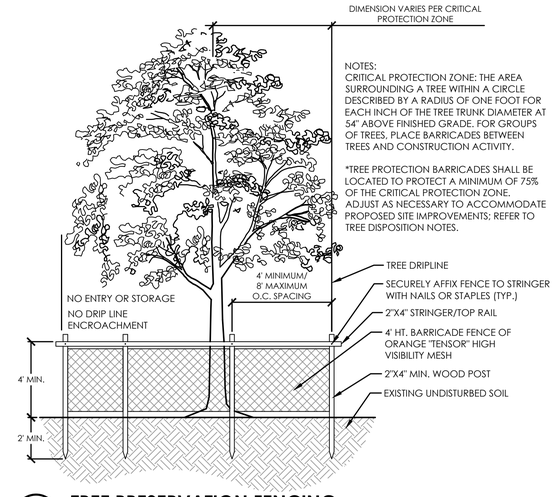
TREE CANOPY PRUNING NOTES

THE SCOPE OF THE WORK MAY REQUIRE THE TRIMMING OF EXISTING TREE CANOPY TO ACCOMMODATE THE PROPOSED SITE IMPROVEMENTS. IF CANOPY TRIMMING IS REQUIRED THE CONTRACTOR SHALL TRIM EXISTING TREES IN ACCORDANCE WITH THE FOLLOWING:

CANOPY TRIMMING SHALL BE PERFORMED IMPLEMENTING ANSI-A300 (AMERICAN NATIONAL STANDARDS INSTITUTE) PRUNING STANDARDS UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST. TRIMMING INCLUDES BOTH HARDWOOD (DICOTYLEDON) AND PALM (MONOCOTYLEDON) SPECIES.

THE CONTRACTOR WILL ENSURE THAT ANY POTENTIAL CANOPY REDUCTION WILL BE KEPT TO A MINIMUM BY REMOVING ONLY WHAT IS NECESSARY TO ACHIEVE THE REQUIRED CLEARANCES FOR THE INSTALLATION OF THE PROPOSED SITE IMPROVEMENTS. WHEN THE PRUNING OF A BRANCH WILL RESULT IN THE REMOVAL OF ONE-HALF (1/2) OF THE FOLIAGE ON THAT BRANCH, IT SHOULD BE REMOVED TO THE PARENT STEM. IF CANOPY REDUCTION WILL RESULT IN A FOLIAGE LOSS GREATER THAN OR EQUAL TO ONE-QUARTER (1/4) OF ANY SINGLE TREE CANOPY, THE CONTRACTOR WILL BE REQUIRED TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO TRIMMMING. TREES THAT ARE PRUNED IN A MANOR INCONSISTENT WITH THE ANSI -A300 PRUNING STANDARDS (INCLUDING BUT NOT LIMITED TO: IMPROPER PRUNING CUTS, EXCESSIVE CANOPY REDUCTION, HEADER CUTS, LION TAILING, HAT RACKING OR TOPPING) WILL REQUIRE THE REMOVAL AND MITIGATION OF THE SUBJECT TREE AT THE CONTRACTOR'S EXPENSE AND BE SUBJECT TO ADDITIONAL FINES AS DETERMINED BY THE GOVERNING ENTITY.

TREE PRESERVATION FENCE DETAIL



1 **TREE PRESERVATION FENCING**

1/4" = 1'-0" 329343-24

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561.746.6900
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MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL REG. NO. 66673
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

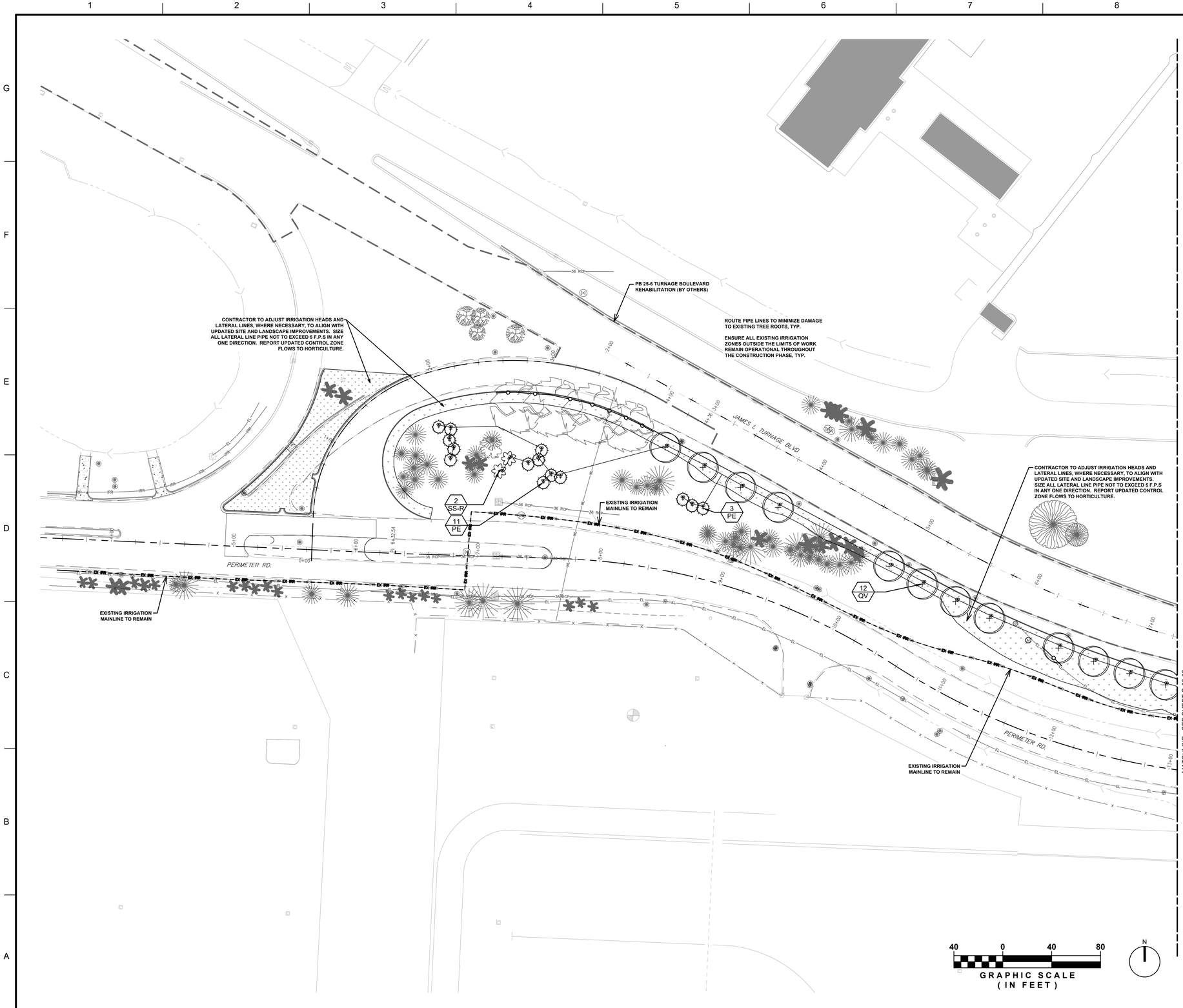
PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420
HDR
3230 W. COMMERCIAL BLVD.
SUITE 200
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

TREE DISPOSITION PLANS

SHEET ID
C-08.07

ISSUED FOR BID



PLANT LEGEND

TREES	CODE	COMMON NAME
	QV	Southern Live Oak
RELOCATED TREES	**CODE**	**COMMON NAME**
	SS-R	Cabbage Palmetto
SOD	**CODE**	**COMMON NAME**
	SOD	St. Augustine Grass

IRRIGATION RESTORATION

- CONTRACTOR SHALL BE REQUIRED TO MODIFY THE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO CONTROLLER MODIFICATIONS, HEADS, PIPING (LATERALS & MAINLINE), SLEEVES, VALVES, WIRING, ETC.
- THE NEW OR MODIFIED IRRIGATION ZONES SHALL BE DESIGNED TO MEET THE INTENT OF THE COUNTY'S LAND DEVELOPMENT CODE, ARTICLE 7, CHAPTER F, SECTION 5.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF IRRIGATION SYSTEM MODIFICATIONS TO THE OWNER/OWNER'S REPRESENTATIVE FOR DESIGN REVIEW AND APPROVAL.
- IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING SITE ITEMS DAMAGED BY THEIR WORK. IRRIGATION CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
- THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE, OR RESTORE ALL SERVICES TO ANY UTILITIES WHICH ARE DISRUPTED DUE TO THEIR OPERATIONS. ALL COSTS INVOLVED IN DISRUPTION OF SERVICE AND REPAIRS DUE TO NEGLIGENCE ON THE PART OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- AS-BUILT DRAWINGS: PROVIDE RECORD DRAWINGS AND PLANS SHOWING ALL CHANGES IN THE DESIGN TO INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL EQUIPMENT AND MATERIALS. THE FOLLOWING SPECIFIC ITEMS MUST BE INCLUDED:
  1. LOCATION AND SIZE OF MAINLINE PIPING, LATERAL PIPING, AND PIPE SLEEVING.
  2. ISOLATION VALVES
  3. REMOTE CONTROL VALVE LOCATIONS, SIZES, NUMBER, AND AREA OF COVERAGE SHOWN USING DIFFERENT COLORS.
  4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.
  5. CONTROLLER AND RAIN SHUTOFF DEVICES.
  6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.
  7. DATE AND SCALE.
  8. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.
  9. THE AS-BUILT DRAWINGS SHALL BE SIGNED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT OR PROFESSIONAL ENGINEER
- CONTRACTOR SHALL FURNISH FIVE EXTRA UNITS OF EACH TYPE OF POPUP SPRAY AND EMITTER THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS. INCLUDE TOOLS TO SERVICE THESE PRODUCTS.

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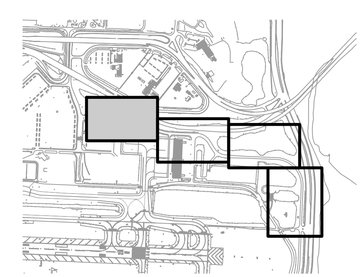
KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86670
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
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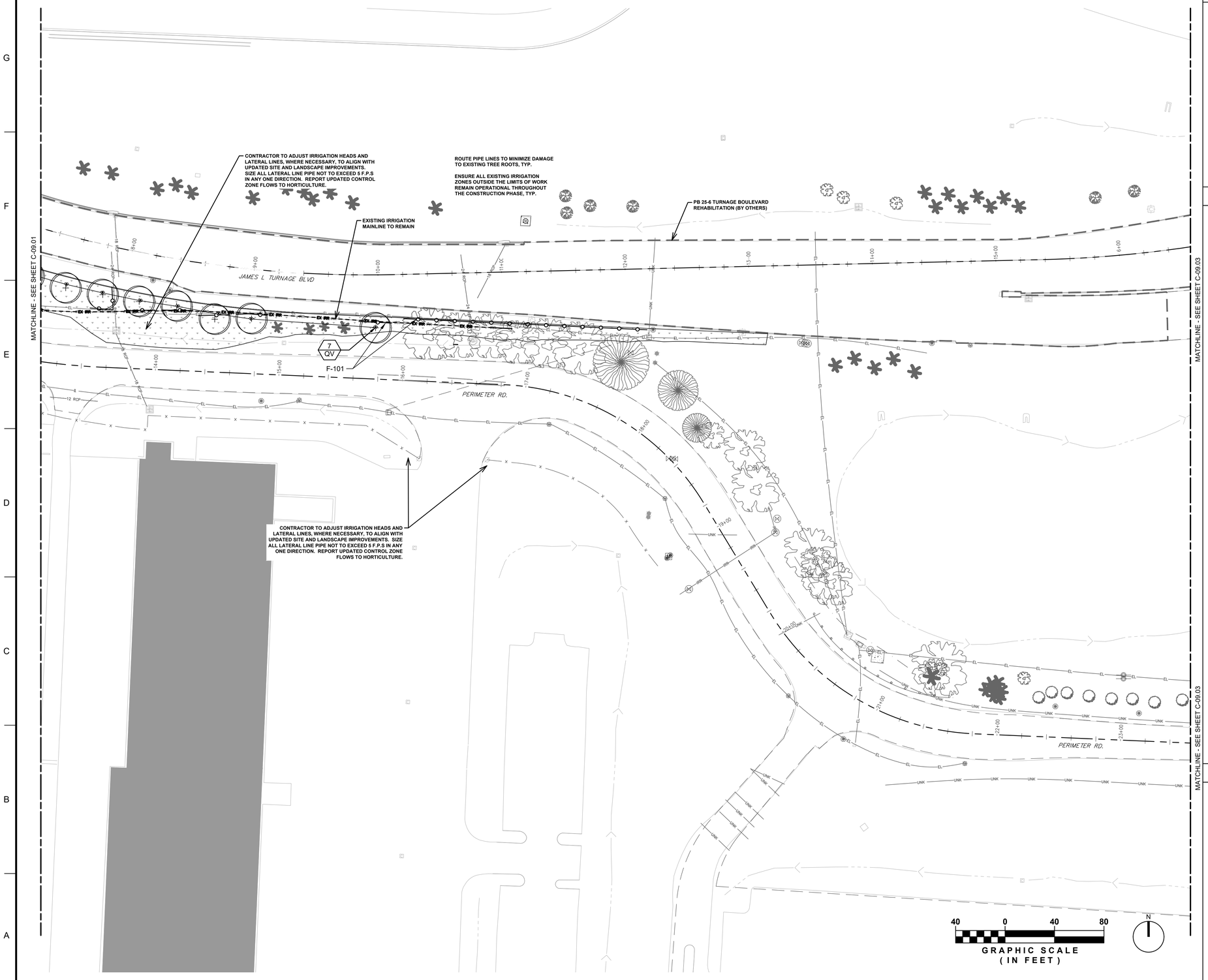
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

IRRIGATION PLAN

SHEET ID
C-09.01

ISSUED FOR BID



PLANT LEGEND

TREES	CODE	COMMON NAME
	QV	Southern Live Oak
RELOCATED TREES	**CODE**	**COMMON NAME**
	SS-R	Cabbage Palmetto
SOD	**CODE**	**COMMON NAME**
	SOD	St. Augustine Grass

IRRIGATION RESTORATION

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  4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.
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  6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.
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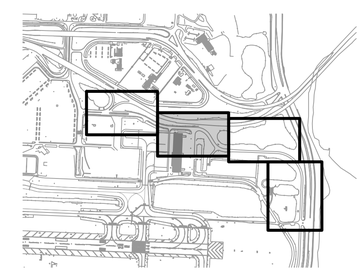
KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86672-20
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
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PHONE: 561-471-7420
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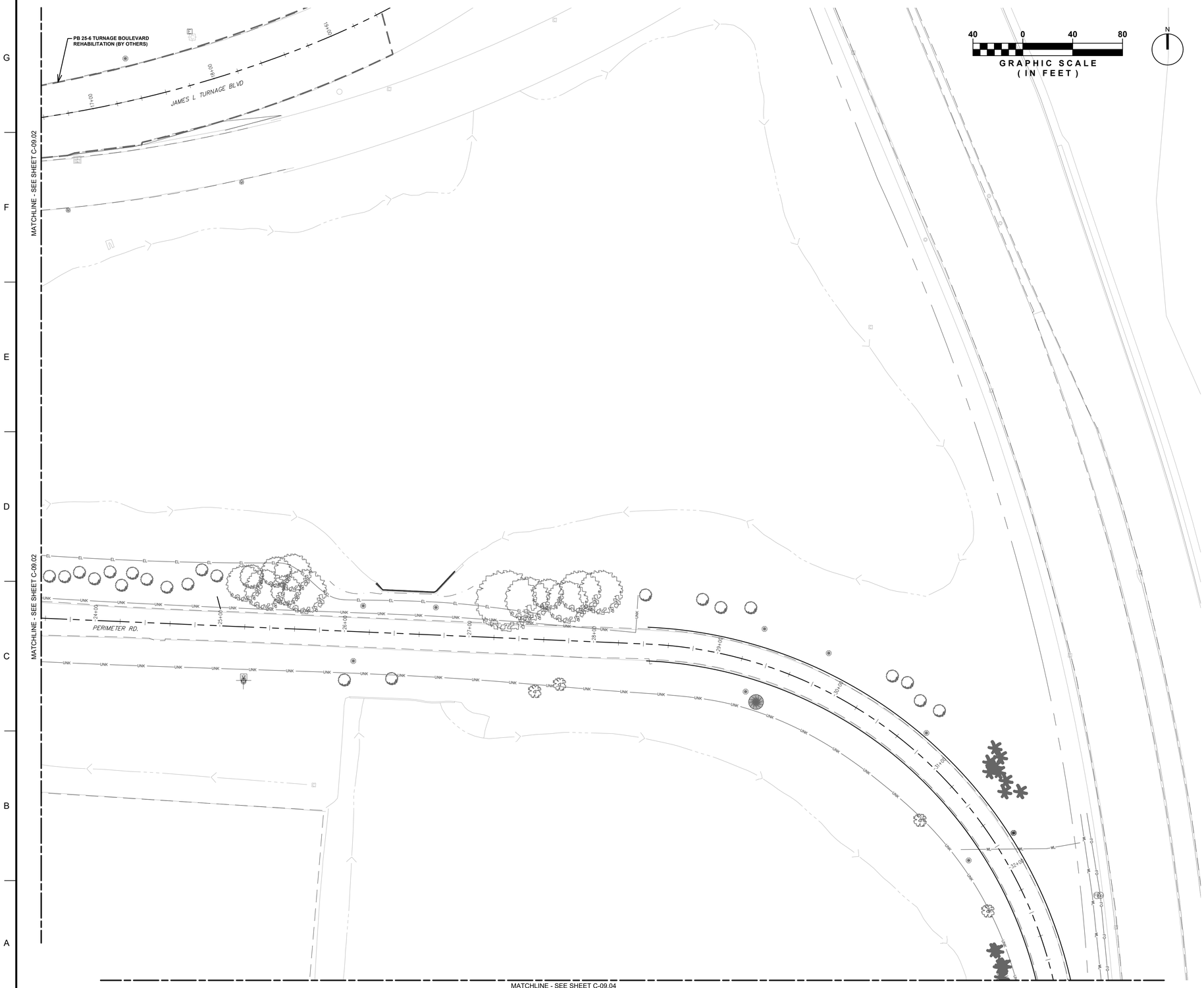
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

IRRIGATION PLAN

SHEET ID
C-09.02

ISSUED FOR BID



PLANT LEGEND

TREES	CODE	COMMON NAME
	QV	Southern Live Oak
RELOCATED TREES	**CODE**	**COMMON NAME**
	SS-R	Cabbage Palmetto
SOD	**CODE**	**COMMON NAME**
	SOD	St. Augustine Grass

IRRIGATION RESTORATION

- CONTRACTOR SHALL BE REQUIRED TO MODIFY THE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO CONTROLLER MODIFICATIONS, HEADS, PIPING (LATERALS & MAINLINE), SLEEVES, VALVES, WIRING, ETC.
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- AS-BUILT DRAWINGS: PROVIDE RECORD DRAWINGS AND PLANS SHOWING ALL CHANGES IN THE DESIGN TO INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL EQUIPMENT AND MATERIALS. THE FOLLOWING SPECIFIC ITEMS MUST BE INCLUDED:

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  2. ISOLATION VALVES
  3. REMOTE CONTROL VALVE LOCATIONS, SIZES, NUMBER, AND AREA OF COVERAGE SHOWN USING DIFFERENT COLORS.
  4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.
  5. CONTROLLER AND RAIN SHUTOFF DEVICES.
  6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.
  7. DATE AND SCALE.
  8. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.
  9. THE AS-BUILT DRAWINGS SHALL BE SIGNED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT OR PROFESSIONAL ENGINEER

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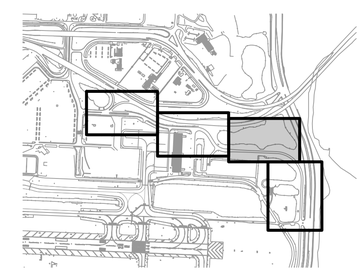
cma chen moore and associates
500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL REG. NO. 66671-29
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
DESIGNED BY: E. FERGUSON
CONTRACT NO.: I-22-PBI-H-007
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420
HDR
3230 W. COMMERCIAL BLVD, SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

IRRIGATION PLAN

SHEET ID
C-09.03

PLANT LEGEND

TREES	CODE	COMMON NAME
	QV	Southern Live Oak
RELOCATED TREES	**CODE**	**COMMON NAME**
	SS-R	Cabbage Palmetto
SOD	**CODE**	**COMMON NAME**
	SOD	St. Augustine Grass

IRRIGATION RESTORATION

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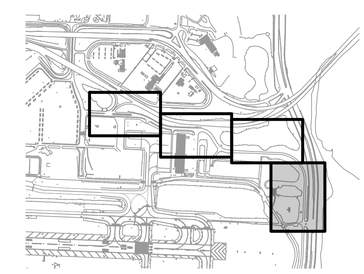

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LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO.: 66671291
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
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PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

IRRIGATION PLAN

SHEET ID
C-09.04

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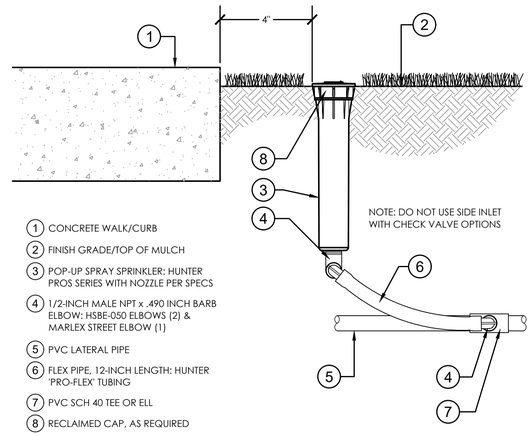
20 January 2026 8:18 PM Cruz, Shaun

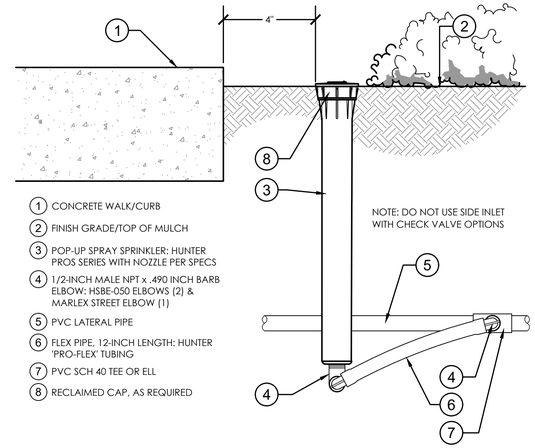
ISSUED FOR BID



1. CONCRETE WALK/CURB
2. FINISH GRADE/TOP OF MULCH
3. POP-UP SPRAY SPRINKLER: HUNTER PROS SERIES WITH NOZZLE PER SPECS
4. 1/2-INCH MALE NPT x .490 INCH BARB ELBOW: HSBE-050 ELBOWS (2) & MARLEX STREET ELBOW (1)
5. PVC LATERAL PIPE
6. FLEX PIPE, 12-INCH LENGTH: HUNTER 'PRO-FLEX' TUBING
7. PVC SCH 40 TEE OR ELL
8. RECLAIMED CAP, AS REQUIRED

1 6" POP-UP SPRAY

3" = 1'-0" 328403.13-05



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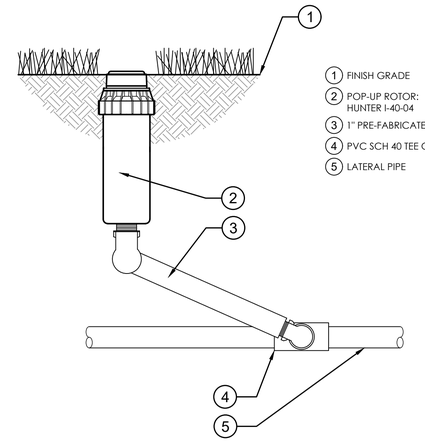
7. PVC SCH 40 TEE OR ELL
8. RECLAIMED CAP, AS REQUIRED

2 12" POP-UP SPRAY

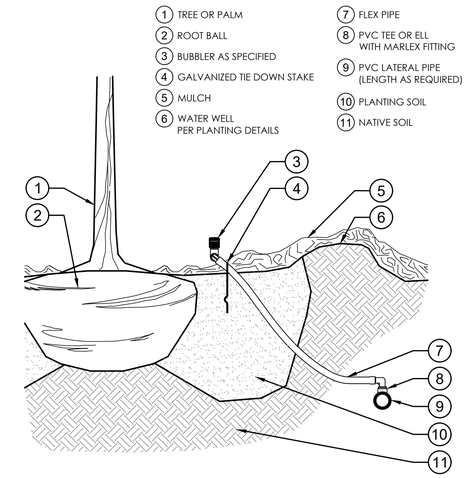
3" = 1'-0" 328403.29-12



1. FINISH GRADE
2. POP-UP ROTOR: HUNTER I-40-04
3. 1" PRE-FABRICATED SWING JOINT
4. PVC SCH 40 TEE OR ELL
5. LATERAL PIPE

3 LARGE TURF ROTOR

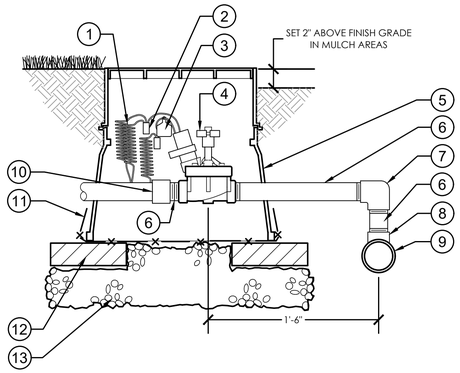
3" = 1'-0" 328403.16-06



1. TREE OR PALM
2. ROOT BALL
3. BUBBLER AS SPECIFIED
4. GALVANIZED TIE DOWN STAKE
5. MULCH
6. WATER WELL PER PLANTING DETAILS
7. FLEX PIPE
8. PVC TEE OR ELL WITH MARLEX FITTING
9. PVC LATERAL PIPE (LENGTH AS REQUIRED)
10. PLANTING SOIL
11. NATIVE SOIL

4 TREE BUBBLER

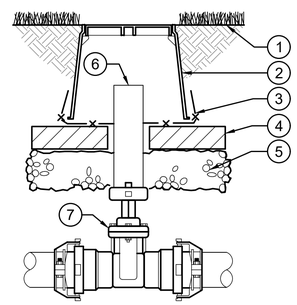
1 1/2" = 1'-0" 328403.53-06



1. 30-INCH LINEAR LENGTH OF WIRE, COILED
2. WATERPROOF CONNECTION (1 OF 2)
3. ZONE ID TAG
4. REMOTE CONTROL VALVE WITH PRESSURE REGULATOR
5. STANDARD VALVE BOX
6. PVC SCH 80 NIPPLE
7. PVC SCH 40 ELL
8. PVC SCH 40 TEE
9. PVC MAINLINE PIPE
10. PVC SCH 40 ADAPTER
11. 1/2" WIRE CLOTH GOPHER SCREEN WRAP ALL SIDES
12. BRICK (1 OF 4)
13. 6-INCH MINIMUM DEPTH 3/4" WASHED GRAVEL

5 PRESSURE REGULATING REMOTE CONTROL VALVE

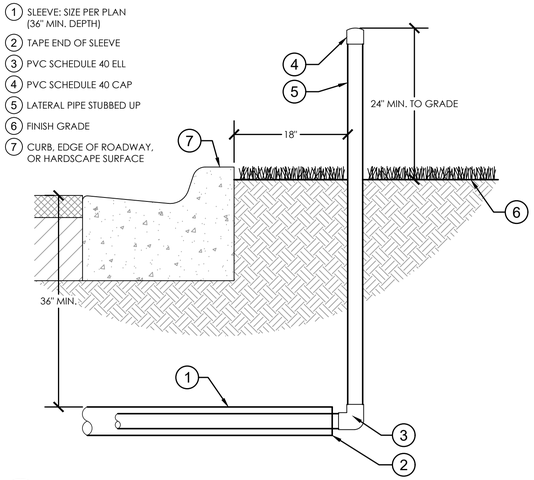
1 1/2" = 1'-0" 328406.13-11



1. FINISH GRADE
2. VALVE BOX
3. WIRE SCREEN CLOTH
4. BRICK (1 OF 4)
5. 6" DEPTH OF 3/4" MINUS GRAVEL
6. ADS, SIZE AS REQUIRED
7. LEEMCO LMV-8B SERIES (OR EQUAL) BELL x BELL SELF-RESTRAINED, RESILIENT WEDGE GATE VALVE

6 ISOLATION VALVE

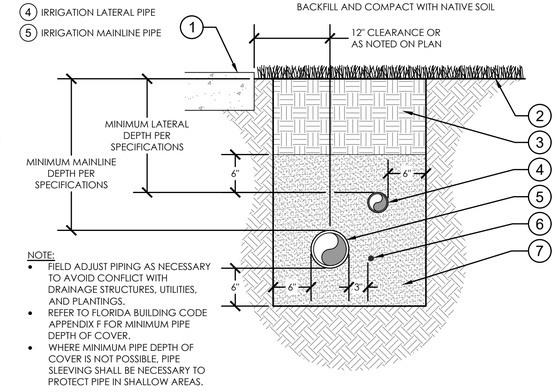
1 1/2" = 1'-0" 328406.33-14



1. SLEEVE: SIZE PER PLAN (36" MIN. DEPTH)
2. TAPE END OF SLEEVE
3. PVC SCHEDULE 40 ELL
4. PVC SCHEDULE 40 CAP
5. LATERAL PIPE STUBBED UP
6. FINISH GRADE
7. CURB, EDGE OF ROADWAY, OR HARDSCAPE SURFACE

7 PIPE SLEEVING

1" = 1'-0" 328409.76-32



1. CURB, EDGE OF ROADWAY, HARDSCAPE SURFACE OR PROPERTY LINE
2. FINISH GRADE
3. NATIVE SOIL BACKFILL COMPACT TO 95%
4. IRRIGATION LATERAL PIPE
5. IRRIGATION MAINLINE PIPE
6. IRRIGATION CONTROL WIRE OR TWO-WIRE CABLE PER SPECIFICATIONS
7. 100% COARSE SAND BEDDING, WATER JET & MECHANICALLY COMPACT TO 90% OPTIMUM DENSITY. ALLOW 48 HOURS TO SETTLE, AND BACKFILL AND COMPACT WITH NATIVE SOIL

NOTE:
- FIELD ADJUST PIPING AS NECESSARY TO AVOID CONFLICT WITH DRAINAGE STRUCTURES, UTILITIES, AND PLANTINGS.
- REFER TO FLORIDA BUILDING CODE APPENDIX F FOR MINIMUM PIPE DEPTH OF COVER.
- WHERE MINIMUM PIPE DEPTH OF COVER IS NOT POSSIBLE, PIPE SLEEVING SHALL BE NECESSARY TO PROTECT PIPE IN SHALLOW AREAS.

8 MAINLINE AND LATERAL TRENCH

1" = 1'-0" 328409.76-39

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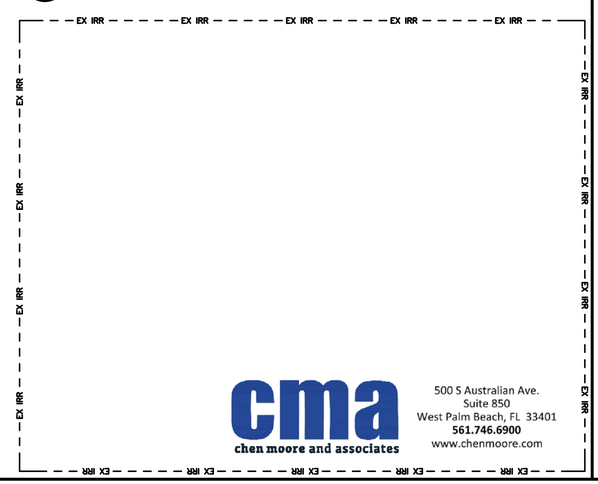
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
◉	HUNTER PROS-PRS30-04-CV-MSBN 10F	35	360	30	1	1'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
———	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	1,068 LF

Valve Callout
- Valve Number
- Valve Flow
- Valve Size



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IRRIGATION NOTES AND DETAILS

SHEET ID
C-09.05

ISSUED FOR BID

IRRIGATION SPECIFICATIONS

1. GENERAL

1.1. THE SYSTEM HAS BEEN DESIGNED TO CONFORM WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. SHOULD ANY CONFLICT EXIST, THE REQUIREMENTS OF THE CODES SHALL PREVAIL. IT IS THE RESPONSIBILITY OF THE OWNER/INSTALLATION CONTRACTOR TO INSURE THE ENTIRE SYSTEM IS INSTALLED ACCORDING TO ALL APPLICABLE LAWS, RULES, REGULATIONS AND CONVENTIONS. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS ACCORDING TO FEDERAL, STATE AND LOCAL LAWS.

1.2. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.

1.3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.

1.4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND VERIFY PROPER CLEARANCE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.

1.5. THE CONTRACTOR MUST SUBMIT FOR APPROVAL, PRIOR TO INSTALLATION, COPIES OF THE MANUFACTURER'S CUT SHEETS/SPECIFICATIONS FOR ALL COMPONENTS TO BE USED IN THE IRRIGATION SYSTEM.

1.6. THE IRRIGATION CONTRACTOR SHALL BE CERTIFIED AS A CERTIFIED IRRIGATION CONTRACTOR BY THE IRRIGATION ASSOCIATION. THE CERTIFICATION SHALL BE CURRENT AND IN GOOD STANDING.

2. SCOPE OF WORK

2.1. THE WORK SPECIFIED IN THIS SECTION CONSISTS OF FURNISHING ALL COMPONENTS NECESSARY FOR THE INSTALLATION, TESTING, AND DELIVERY OF A COMPLETE, FULLY FUNCTIONAL AUTOMATIC LANDSCAPE IRRIGATION SYSTEM THAT COMPLETELY COMPLIES WITH THE 100% IRRIGATION PLANS, SPECIFICATIONS, NOTES, DETAILS AND ALL APPLICABLE LAWS, REGULATIONS, CODES AND ORDINANCES. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE PROVIDING OF ALL REQUIRED MATERIAL (PIPE, VALVES, FITTINGS, CONTROLLERS, WIRE, PRIMER, GLUE, ETC.), LAYOUT, PROTECTION OF THE PUBLIC, EXCAVATION, ASSEMBLY, INSTALLATION, BACK FILLING, COMPACTING, REPAIR OF ROAD SURFACES, CONTROLLER AND LOW VOLTAGE FEEDS TO VALVES, CLEANUP, MAINTENANCE, GUARANTEE AND AS-BUILT PLANS.

2.2. ALL IRRIGATED AREAS SHALL PROVIDE 100% HEAD-TO-HEAD COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM WITH A RAIN SENSOR AS SHOWN. THE RAIN SENSOR SHALL BE INSTALLED TO PREVENT ITS ACTIVATION BY ADJACENT HEADS. ALL WATERING PROCEDURES SHALL CONFORM TO LOCAL CODES, AS WELL AS THIS PROJECT'S REGIONAL WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS. ZONES ARE PRIORITIZED FIRST BY PUBLIC SAFETY AND THEN BY HYDRAULIC CONCERNS. THIS SEQUENCING WILL BE A MANDATORY PUNCH LIST ITEM. THESE PLANS HAVE BEEN DESIGNED TO SATISFY/EXCEED THE FLORIDA BUILDING CODE (FBC) APPENDIX F AND THE FLORIDA IRRIGATION SOCIETY STANDARDS AND SPECIFICATIONS FOR TURF AND LANDSCAPE IRRIGATION SYSTEMS, FOURTH EDITION.

2.3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

2.4. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, STRUCTURES AND UTILITIES. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTION, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS, OR DIFFERENCES, SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER' AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

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3. SUBMITTALS

3.1. THE CONTRACTOR SHALL PROVIDE FOR APPROVAL PRIOR TO INSTALLATION, MANUFACTURER'S PRODUCT DESCRIPTION SHEETS/SPECIFICATIONS FOR ALL MAJOR COMPONENTS OF THE IRRIGATION SYSTEM. MODEL NUMBERS SHALL BE HIGHLIGHTED OR CIRCLED.

3.2. NO SUBSTITUTIONS OR DEVIATIONS FROM THE SPECIFIED BRANDS, MODELS, OR SIZES SHALL BE PERMITTED, EXCEPT WITH WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT OF RECORD.

3.3. ANY MAJOR DESIGN CHANGES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO CONSTRUCTION; CONTRACTOR PROCEEDS WITH CHANGES AT OWN RISK. DESIGN CHANGES, SUBSTITUTIONS, OR DEVIATIONS NOT APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD WILL RESULT IN REJECTION AND REPLACEMENT OF MATERIALS AT NO ADDITIONAL COST TO THE OWNER.

4. POST CONSTRUCTION DOCUMENTATION

4.1. DOCUMENTATION:

4.1.1. PROVIDE THE MANUFACTURERS' RECOMMENDED OPERATING INSTRUCTIONS FOR ALL MAJOR COMPONENTS INCORPORATED INTO THE IRRIGATION SYSTEM.

4.1.2. PROVIDE SYSTEM OPERATION MANUALS, MAINTENANCE SCHEDULES, RECOMMENDED SCHEDULE OF OPERATION INCLUDED AVERAGE APPLICATION RATES WITH SEASONAL ADJUSTMENTS FOR EACH ZONE.

4.1.3. PROVIDE ALL REQUIRED TESTING AND INSPECTION CERTIFICATES TO THE OWNER OR OWNER'S REPRESENTATIVE

4.2. AS-BUILT DRAWINGS: PROVIDE RECORD DRAWINGS AND PLANS SHOWING ALL CHANGES IN THE DESIGN TO INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL EQUIPMENT AND MATERIALS. THE FOLLOWING SPECIFIC ITEMS MUST BE INCLUDED:

4.2.1. LOCATION AND SIZE OF MAINLINE PIPING, LATERAL PIPING, AND PIPE SLEEVING.

4.2.2. ISOLATION VALVES

4.2.3. REMOTE CONTROL VALVE LOCATIONS, SIZES, NUMBER, AND AREA OF COVERAGE SHOWN USING DIFFERENT COLORS.

4.2.4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.

4.2.5. CONTROLLER AND RAIN SHUTOFF DEVICES.

4.2.6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.

4.2.7. DATE AND SCALE.

4.2.8. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.

4.2.9. THE AS-BUILT DRAWINGS SHALL BE SIGNED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT OR PROFESSIONAL ENGINEER.

4.3. CONTRACTOR SHALL FURNISH FIVE EXTRA UNITS OF EACH TYPE OF POPUP SPRAY AND EMITTER THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS. INCLUDE TOOLS TO SERVICE THESE PRODUCTS.

5. FINAL ACCEPTANCE

5.1. FINAL ACCEPTANCE OF THE IRRIGATION SYSTEM WILL BE GIVEN AFTER THE FOLLOWING DOCUMENTS AND CONDITIONS HAVE BEEN COMPLETED AND APPROVED. FINAL PAYMENT WILL NOT BE RELEASED UNTIL THESE CONDITIONS ARE SATISFIED.

5.1.1. FINAL WALK-THRU AND CORRECTION OF ALL PUNCH LIST ITEMS.

5.1.2. COMPLETION AND ACCEPTANCE OF AS-BUILT RECORD DRAWINGS.

5.1.3. TURNOVER OF ALL REQUIRED PARTS AND TOOLS AS OUTLINED IN THE PROJECT SPECIFICATIONS.

6. GUARANTEE

6.1. FULLY WARRANT THE LANDSCAPE IRRIGATION SYSTEM FOR A PERIOD OF ONE (1) YEAR AFTER THE WRITTEN FINAL ACCEPTANCE.

6.2. DURING THE WARRANTY PERIOD, ENFORCE MANUFACTURER'S AND SUPPLIER'S WARRANTIES. MALFUNCTIONS, DEFICIENCIES, BREAKS, DAMAGES, DISREPAIR OR OTHER DISORDERS DUE TO MATERIALS, WORKMANSHIP, OR INSTALLATION BY THE CONTRACTOR AND HIS SUPPLIERS SHALL BE IMMEDIATELY AND PROPERLY CORRECTED.

6.3. REPAIR DAMAGES PROMPTLY WHICH ARE CAUSED BY SYSTEM MALFUNCTION.

7. POINT OF CONNECTION (P.O.C.)

7.1. THE POC IS AN EXISTING MUNICIPAL POTABLE WATER MAIN. THE POC SHALL BE CAPABLE OF SUPPLYING A MINIMUM OF 60 GPM AT 60 PSI. CONTRACTOR SHALL VERIFY THESE MINIMUM CONDITIONS CAN BE MET PRIOR TO BEGINNING IRRIGATION SYSTEM INSTALLATION.

7.2. IF THE CONDITIONS CAN NOT BE MET, THE CONTRACTOR MUST NOTIFY THE DESIGNER PRIOR TO PROCEEDING WITH THE WORK. IF THE CONTRACTOR DOES NOT DO SO, THE CONTRACTOR PROCEEDS AT THEIR OWN RISK AND BECOMES RESPONSIBLE FOR ANY FUTURE WORK REQUIRED TO MAKE THE SYSTEM PERFORM AS REQUIRED.

8. PIPING

8.1. MAINLINE PIPE: PVC CLASS 200 SDR 21, NON-GASKETED, SOLVENT WELD, WITH SCHEDULE 40 PVC FITTINGS.

8.2. LATERAL PIPE: PVC CLASS 200 SDR 21, NON-GASKETED, SOLVENT WELD, WITH SCHEDULE 40 PVC FITTINGS.

8.3. THREADED PIPE: PVC SCHEDULE 80.

8.4. PIPE LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING OUT MAINLINES PLACE A MAXIMUM OF 12" AWAY FROM EITHER THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR OTHER HARDSCAPE TO ALLOW FOR EASE IN LOCATING AND PROTECTION FROM PHYSICAL DAMAGE. INSTALL ALL LATERAL PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHENEVER POSSIBLE TO ALLOW SPACE FOR PLANT ROOT BALLS. ALWAYS INSTALL PIPING INSIDE PROJECT PROPERTY BOUNDARY.

8.5. PIPES SHALL ALWAYS BE PLACED IN PLANTING BEDS. IF IT IS NECESSARY TO HAVE PIPING UNDER HARDSCAPES, SUCH AS ROADS, WALKS, AND PATIOS, THE PIPES MUST BE SLEEVED USING SCH 40 PVC WITH THE SLEEVE DIAMETER BEING TWICE THE SIZE OF THE PIPE IT IS CARRYING WITH A MINIMUM SLEEVE SIZE OF 2".

8.6. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF SAID REJECTION.

8.7. CONTRACTOR TO ENSURE ALL MAINLINE PIPING IS PROPERLY RESTRAINED USING MECHANICAL JOINT FITTINGS, RESTRAINING COLLARS, THREADED RODS, THRUST BLOCKS, ETC., AS AND WHERE REQUIRED. CONTRACTOR SHALL REFER TO PIPE MANUFACTURER'S RECOMMENDED INSTALLATION PRACTICES FOR FURTHER DIRECTION.

8.8. PVC PIPE JOINT COMPOUND AND PRIMER: SLOW-DRYING, HEAVY DUTY CEMENT AND TINTED (PURPLE) PRIMER THAT IS COMPATIBLE WITH THE CEMENT. THE PVC CEMENT SHALL BE WELD-ON 2711 GREY AND THE PRIMER SHALL BE WELD-ON P70 PURPLE PRIMER, OR APPROVED EQUALS.

8.9. MAIN LINE PIPE DEPTH MEASURED TO THE TOP OF PIPE SHALL BE 18" MINIMUM, 36" MINIMUM AT VEHICULAR CROSSINGS.

8.10. LATERAL LINE DEPTHS MEASURED TO TOP OF PIPE SHALL BE 12" MINIMUM, 30" MINIMUM AT VEHICULAR CROSSINGS.

9. LAYOUT

9.1. LAY OUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES. MAKE THE NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATIONS PRIOR TO EXCAVATING TRENCHES.

9.2. STAKE ALL SPRINKLER HEAD LOCATIONS. ADJUST LOCATION AND MAKE THE NECESSARY MODIFICATIONS TO NOZZLE TYPES, ETC. REQUIRED TO INSURE 100% HEAD TO HEAD COVERAGE. REFER TO THE EDGE OF PAVEMENT DETAIL ON THE IRRIGATION DETAIL SHEET.

9.3. SPRAY HEADS SHALL BE INSTALLED 4" FROM SIDEWALKS OR CURBED ROADWAYS AND 12" FROM UNCURBED ROADWAYS AND BUILDING FOUNDATIONS. ROTORS SHALL BE INSTALLED 4" FROM SIDEWALKS OR CURBED ROADWAYS, 12' FROM BUILDING FOUNDATIONS, AND 36" FROM UNCURBED ROADWAYS.

9.4. SHRUB HEADS SHALL BE INSTALLED ON 3/4" SCH 40 PVC RISERS. THE RISERS SHALL BE SET AT A MINIMUM OF 18" OFF SIDEWALKS, ROADWAY CURBING, BUILDING FOUNDATIONS, AND/OR ANY OTHER HARDSCAPED AREAS. SHRUB HEADS SHALL BE INSTALLED TO A STANDARD HEIGHT OF 4" BELOW MAINTAINED HEIGHT OF PLANTS AND SHALL BE INSTALLED WITHIN PLANTED MASSES TO BE LESS VISIBLE AND OFFER PROTECTION. PAINT ALL SHRUB RISERS WITH FLAT BLACK OR FOREST GREEN PAINT, UNLESS IRRIGATION SYSTEM WILL BE INSTALLED FROM A REUSE WATER SYSTEM WITH PURPLE PVC RISERS.

9.5. LOCATE VALVES PRIOR TO EXCAVATION. INSURE THAT THEIR LOCATION PROVIDES FOR EASY ACCESS AND THAT THERE IS NO INTERFERENCE WITH PHYSICAL STRUCTURES, PLANTS, TREES, POLES, ETC. VALVE BOXES MUST BE PLACED A MINIMUM OF 12" AND A MAXIMUM OF 15" FROM THE EDGE OF PAVEMENT, CURBS, ETC., AND THE TOP OF THE BOX MUST BE 2" ABOVE FINISH GRADE. NO VALVE BOXES SHALL BE INSTALLED IN TURF AREAS WITHOUT APPROVAL BY THE IRRIGATION DESIGNER; ONLY IN SHRUB BEDS. NEVER INSTALL VALVE BOXES WITHIN A SPORTS FIELD OR DESIGNATED PLAY AREA.

8. ELECTRICAL POWER SUPPLY

8.1. ELECTRICAL SUPPLY FOR PUMP AND CONTROLLER SHALL TO BE PROVIDED BY THE IRRIGATION CONTRACTOR. CONTRACTOR TO COORDINATE WITH LOCAL UTILITIES FOR THE INSTALLATION OF AND CONNECTION TO AVAILABLE SITE POWER SUPPLY FOR REQUIRED ELECTRICAL COMPONENTS AS SET FORTH IN THE 100% IRRIGATION PLANS.

8.2. ALL ELECTRICAL INSTALLATION TO COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ANY AND ALL OTHER APPLICABLE ELECTRICAL CODES, LAWS AND REGULATIONS. A LICENSED ELECTRICIAN SHALL PERFORM ALL ELECTRICAL HOOK-UPS. POWER FOR THE PUMP SHALL BE 230 VOLT, 3 PHASE; CONTROLLER SHALL BE 120 VOLT, 20 AMP.

9. CONTROL WIRING

9.1. IRRIGATION CONTROL WIRE SHALL BE THERMOPLASTIC SOLID COPPER, SINGLE CONDUCTOR, LOW VOLTAGE IRRIGATION CONTROLLER WIRE SUITABLE FOR DIRECT BURIAL AND CONTINUOUS OPERATION AT RATED VOLTAGES.

9.2. ALL CONTROL WIRING SHALL BE PLACED IN PVC SCHEDULE 40 GRAY ELECTRICAL CONDUIT. AT TURNS IN DIRECTION UTILIZE JUNCTION BOXES. WHERE NECESSARY, EXPOSED CONTROL WIRE CONDUIT SHALL BE HUNG AND SECURED UTILIZING PIPE HANGERS AND SUPPORTS.

9.3. TAPE AND BUNDLE CONTROL WIRES EVERY 10' AND RUN ADJACENT TO THE MAINLINE. AT ALL TURNS IN DIRECTION MAKE A 2' COIL OF WIRE. AT ALL VALVE BOXES COIL WIRE AROUND A 3/4" PIECE OF PVC PIPE TO MAKE A COIL USING 30 LINEAR INCHES OF WIRE. MAKE ELECTRICAL CONNECTIONS WITH 3M-DBY,DBR CONNECTORS.

9.4. NUMBER ALL WIRES USING AN ELECTRICAL BOOK OF NUMBERS ACCORDING TO THE PLANS. NUMBER WIRES IN ALL VALVE BOXES, JUNCTION BOXES AND AT THE CONTROLLER.

9.5. WIRE SIZED, NUMBERED AND COLORED AS FOLLOWS:

#14 WHITE FOR COMMON
#14 SPARE BLACK COMMON
#14 RED FOR HOT WIRES
#14 SPARE YELLOW HOT WIRE

10. CONTROLLER GROUNDING

10.1. CONTRACTOR TO UTILIZE 4"X8'X5/8" COPPER GROUNDING PLATES, 5/8"X10' COPPER CLAD GROUNDING RODS, 'ONE STRIKE' CAD WELLS AT ALL CONNECTION POINTS, #6 BARE COPPER WIRE, AND EARTH CONTACT MATERIAL. INSTALL THESE AND OTHER REQUIRED COMPONENTS AS OUTLINED IN THE DETAIL. CONTRACTOR TO VERIFY THAT THE EARTH TO GROUND RESISTANCE DOES NOT EXCEED 10 OHMS. CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION ON A LICENSED ELECTRICAL CONTRACTORS LETTER HEAD SHOWING THE DATE OF THE TEST, CONTROLLER LOCATION, AND TEST RESULTS. EACH CONTROLLER SHALL BE SO GROUNDED AND TESTED.

11. VALVES

11.1. SEQUENCE ALL VALVES SO THAT THE FARTHEST VALVE FROM THE P.O.C. OPERATES FIRST AND THE CLOSEST TO THE P.O.C. OPERATES LAST. THE CLOSEST VALVE TO THE P.O.C. SHOULD BE THE LAST VALVE IN THE PROGRAMMED SEQUENCE.

11.2. ADJUST THE FLOW CONTROL ON EACH RCV TO ENSURE SHUT OFF IN 10 SECONDS AFTER DEACTIVATION BY THE IRRIGATION CONTROLLER.

11.3. USING 3" HIGH NUMBER STENCILS, PAINT THE VALVE NUMBER IN WHITE ON THE LID OF EACH VALVE BOX.

12. EQUIPMENT

12.1. BUBBLERS SHALL BE INSTALLED USING SCH 80 NIPPLES AND SHALL BE PLACED AT THE BASE OF TREES FOR LOW LEVEL WATERING.

12.2. ALL POP-UP HEADS AND SHRUB RISERS SHALL BE PRESSURE COMPENSATING. ALL POP-UP HEADS SHALL BE MOUNTED ON FLEX-TYPE SWING JOINTS.

12.3. ALL SPRINKLER EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS, AND IN ACCORDANCE WITH LOCAL AND STATE LAWS.

13. TRENCHING

13.1. EXCAVATE STRAIGHT AND VERTICAL TRENCHES WITH SMOOTH, FLAT OR SLOPING BOTTOMS. TRENCH WIDTH AND DEPTH SHOULD BE SUFFICIENT TO ALLOW FOR THE PROPER VERTICAL AND HORIZONTAL SEPARATION BETWEEN PIPING AS SHOWN IN THE PIPE INSTALLATION DETAIL ON THE DETAIL SHEET.

13.2. PROTECT EXISTING LANDSCAPED AREAS. REMOVE AND REPLANT ANY DAMAGED PLANT MATERIAL UPON JOB COMPLETION. THE REPLACEMENT MATERIAL SHALL BE THE SAME GENUS, SPECIES, AND SIZE OF THE MATERIAL IT IS REPLACING. THE FINAL DETERMINATION AS TO WHAT NEEDS TO BE REPLACED AND THE ACCEPTABILITY OF THE REPLACEMENT MATERIAL SHALL BE SOLELY DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.

14. INSTALLATION

14.1. CUT ALL PIPE SQUARE AND DEBURR. CLEAN PIPE AND FITTINGS OF FOREIGN MATERIAL, THEN APPLY A SMALL AMOUNT OF PRIMER WHILE ENSURING THAT ANY EXCESS IS WIPED OFF IMMEDIATELY. PRIMER SHOULD NOT PUDDLE OR DRIP FROM PIPE OR FITTINGS. NEXT APPLY A THIN COAT OF PVC CEMENT. FIRST APPLY A THIN LAYER TO THE PIPE, THEN A THIN LAYER INSIDE THE FITTING, AND FINALLY ANOTHER VERY THIN LAYER ON THE PIPE. INSERT THE PIPE INTO THE FITTING. INSURE THAT THE PIPE IS INSERTED TO THE BOTTOM OF THE FITTING, THEN TURN THE PIPE A 1/4 TURN AND HOLD FOR 10 SECONDS. MAKE SURE THAT THE PIPE DOESN'T RECEDE FROM THE FITTING. IF THE PIPE ISN'T AT THE BOTTOM OF THE FITTING UPON COMPLETION, THE GLUE JOINT IS UNACCEPTABLE AND MUST BE DISCARDED.

14.2. PIPES MUST CURE A MINIMUM OF 30 MINUTES PRIOR TO HANDLING AND PLACING INTO TRENCHES. A LONGER CURING TIME MAY BE REQUIRED; REFER TO THE MANUFACTURER'S SPECIFICATIONS. THE PIPE MUST CURE A MINIMUM OF 24 HOURS PRIOR TO FILLING WITH WATER.

15. BACKFILLING

15.1. THE BACKFILL 6" BELOW AND 6" ABOVE ALL PIPING SHALL BE CLEAN SAND. ALL OTHER TRCNCH BACKFILL CAN BE NATIVE MATERIAL BUT SHALL NOT CONTAIN ANYTHING LARGER THAN 2" IN DIAMETER.

15.2. CONTRACTOR SHALL BACKFILL ALL PIPING, BOTH MAINLINE AND LATERALS, PRIOR TO PERFORMING ANY PRESSURE TESTS. THE PIPE SHALL BE BACKFILLED WITH THE EXCEPTION OF 2' ON EACH SIDE OF EVERY JOINT (BELL FITTINGS, 90'S, TEES, 45'S, ETC.). THESE JOINTS SHALL NOT BE BACKFILLED UNTIL ALL PIPING HAS SATISFACTORILY PASSED ITS APPROPRIATE PRESSURE TEST AS OUTLINED BELOW.

16. TESTING & FLUSHING

16.1. LEAKAGE TESTING

16.1.1. REMOVE ALL REMOTE CONTROL VALVES AND CAP USING A THREADED CAP. FILL MAINLINE WITH WATER AND PRESSURIZE THE SYSTEM TO 125 PSI. MONITOR THE SYSTEM PRESSURE AT TWO GAUGE LOCATIONS; THE GAUGE LOCATIONS MUST BE AT OPPOSITE ENDS OF THE MAINLINE. WITH THE SAME RESPECTIVE PRESSURES, MONITOR THE GAUGES FOR TWO HOURS.

16.1.2. PVC SOLVENT-WELD PIPE CONNECTIONS SHALL HAVE NO LEAKAGE. GASKETED PIPING SHALL LOSE NO MORE WATER THAN ALLOWED PER THE FLORIDA STATE BUILDING CODE, VOLUME II PLUMBING, PART VI, APPENDIX 'F'. REFER TO THIS SECTION FOR THE FORMULA TO BE USED TO CALCULATE THE MAXIMUM ALLOWABLE WATER LOSS DURING THE TESTING TIME.

16.1.3. REPAIR ALL LEAKS AND RETEST MAINLINE PIPING UNTIL THE TEST IS SUCCESSFUL.

16.1.4. LATERAL PIPE MUST BE FILLED AND VISUALLY CHECKED FOR LEAKS. ANY LEAKS DETECTED MUST BE REPAIRED. NO PRESSURE TEST OF THE LATERAL LINES IS REQUIRED.

16.2. FLUSHING:

16.2.1. PRIOR TO THE PLACEMENT OF HEADS, FLUSH ALL LINES FOR A MINIMUM OF 10 MINUTES OR UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS, WHICHEVER IS LONGER.

16.2.2. USE SCREENS IN HEADS AND ADJUST HEADS FOR PROPER COVERAGE AVOIDING EXCESS WATER ON WALLS, WALKS AND PAVING.

16.3. OPERATIONAL TESTING:

16.3.1. UPON COMPLETION OF BACKFILLING, FINISH GRADING AND CONTOURING, TEST THE ENTIRE SYSTEM FOR PROPER OPERATION, INCLUDING ELECTRICALLY ACTUATING THE REMOTE CONTROL VALVES. RUN EACH ZONE UNTIL WATER BEGINS TO PUDDLE OR RUN OFF. THIS WILL ALLOW DETERMINATION OF THE NUMBER OF IRRIGATION START TIMES NECESSARY TO MEET THE WEEKLY EVAPOTRANSPIRATION REQUIREMENTS OF THE PLANTING MATERIAL IN EACH ZONE. IN SANDY SOILS NO PUDDLING WILL OCCUR. IN THESE CASES, CALCULATE THE REQUIRED RUN TIMES.

16.3.2. ONCE THE MAINLINE AND LATERAL LINES HAVE PASSED THEIR RESPECTIVE TESTS AND THE SYSTEM IS COMPLETELY OPERATIONAL, A COVERAGE TEST AND DEMONSTRATION OF THE SYSTEM IS REQUIRED. THE IRRIGATION CONTRACTOR MUST DEMONSTRATE TO THE OWNER OR HIS/HER REPRESENTATIVE THAT PROPER COVERAGE IS OBTAINED AND THAT THE SYSTEM WORKS AUTOMATICALLY FROM THE CONTROLLER. THIS DEMONSTRATION REQUIRES THAT EACH ZONE BE TURNED ON IN THE PROPER SEQUENCE AS SHOWN ON THE PLANS FROM THE CONTROLLER. EACH ZONE WILL BE INSPECTED FOR PROPER COVERAGE AND FUNCTION. THE DETERMINATION OF PROPER COVERAGE AND FUNCTION WILL BE SOLELY DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.

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West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66673-20
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
DESIGNED BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420
HDR
3230 W. COMMERCIAL BLVD.
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

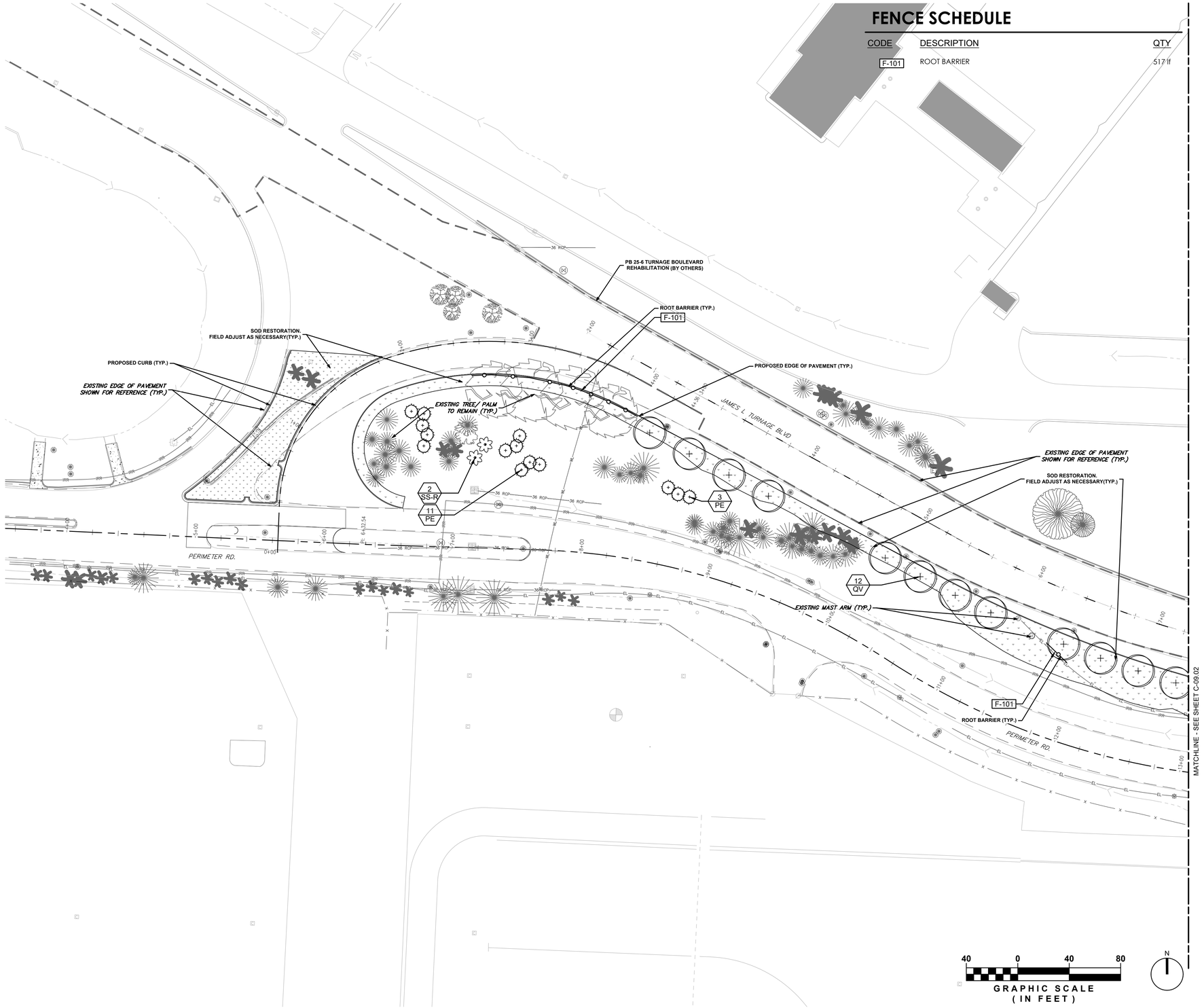
IRRIGATION SPECIFICATIONS

SHEET ID
C-09.06

ISSUED FOR BID

FENCE SCHEDULE

CODE	DESCRIPTION	QTY
F-101	ROOT BARRIER	517 lf



PLANT LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	PE	SLASH PINE
	QV	SOUTHERN LIVE OAK
RELOCATED TREES		
	SS-R	CABBAGE PALMETTO
SOD		
	SOD	ST. AUGUSTINE GRASS

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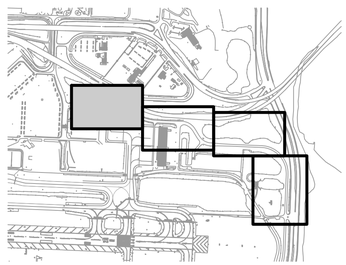
KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66671-29
DATE: FEBRUARY 2026

DESIGNED BY: E. FERGUSON
DRAWN BY: E. FERGUSON
CHECKED BY: E. HARRISON
SUBMITTED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026
CONTRACT NO.: I-22-PBI-H-007

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AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

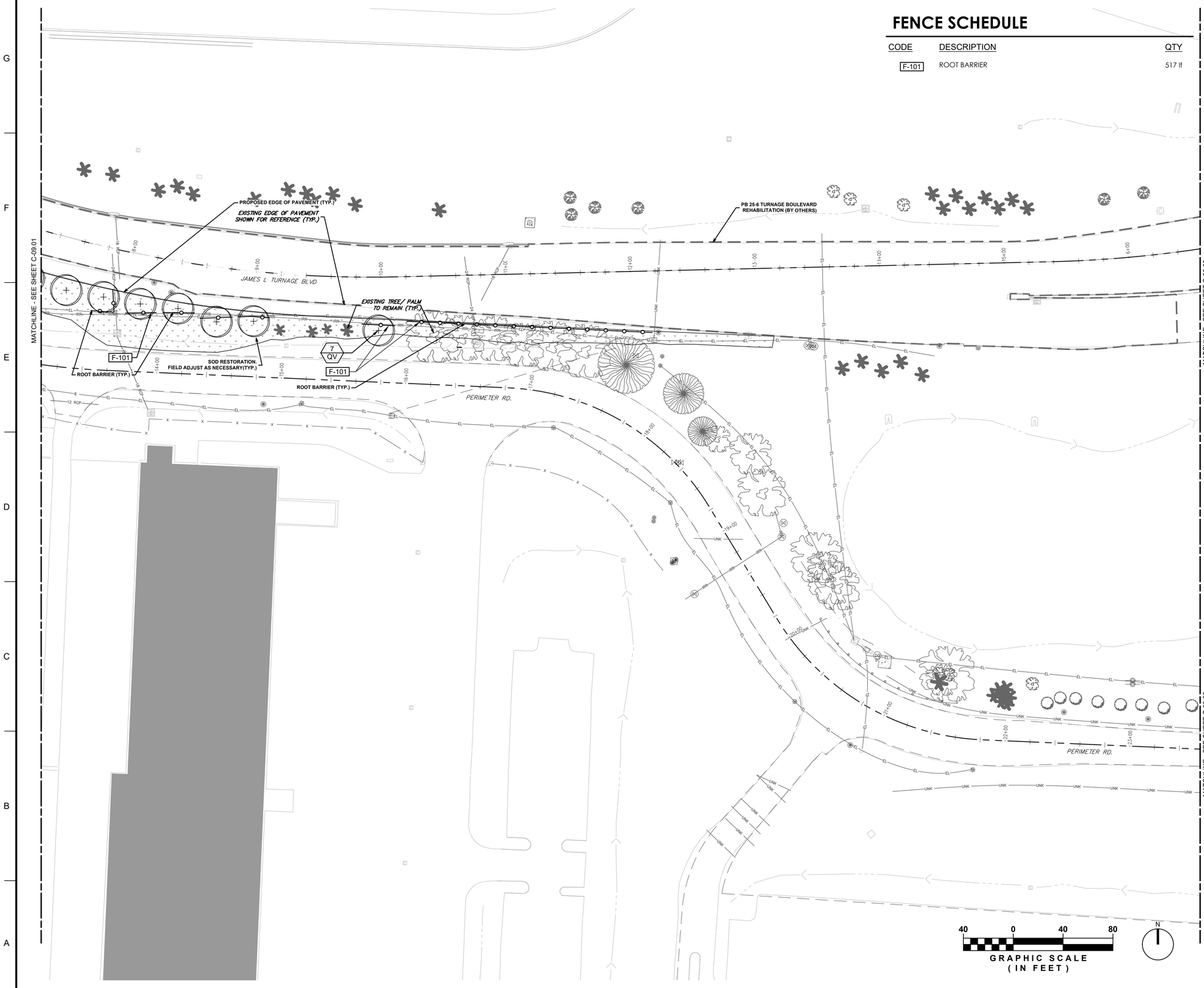
LANDSCAPE PLAN

SHEET ID
C-10.01

ISSUED FOR BID

FENCE SCHEDULE

CODE	DESCRIPTION	QTY
F-101	ROOT BARRIER	517 lf



PLANT LEGEND

SYMBOL	CODE	COMMON NAME
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RELOCATED TREES		
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SOD		
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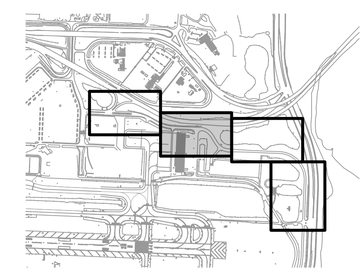
KEY MAP



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LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66671-20
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026

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AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

LANDSCAPE PLAN

SHEET ID
C-10.02

ISSUED FOR BID

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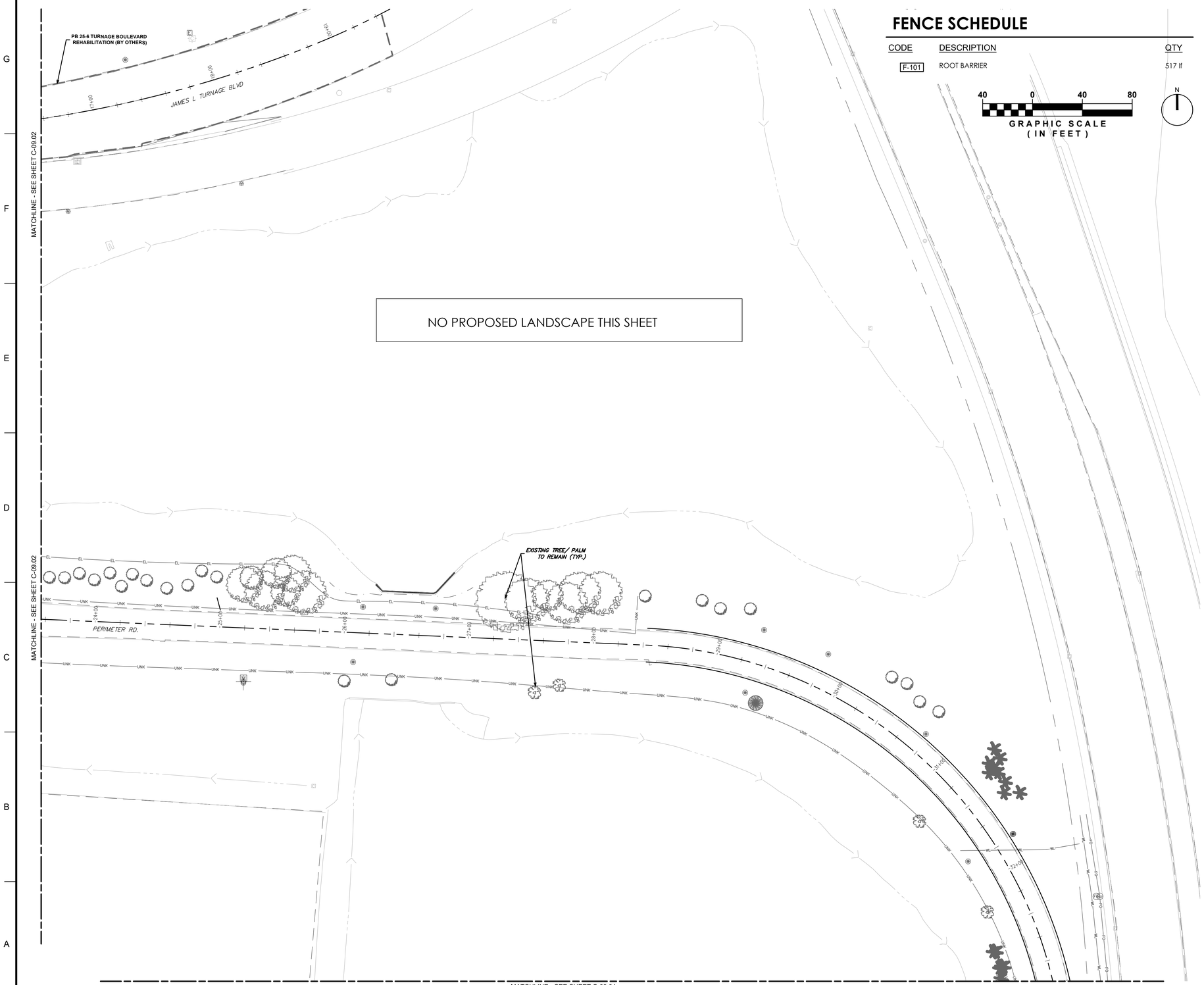

NO PROPOSED LANDSCAPE THIS SHEET

FENCE SCHEDULE

CODE	DESCRIPTION	QTY
F-101	ROOT BARRIER	517 lf

40 0 40 80
GRAPHIC SCALE (IN FEET)

N

PLANT LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	PE	SLASH PINE
	QV	SOUTHERN LIVE OAK
RELOCATED TREES		
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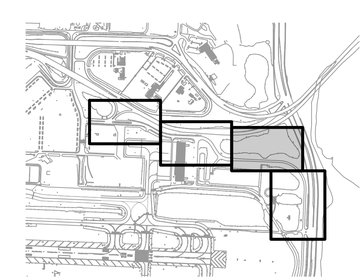

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66679
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007

DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026

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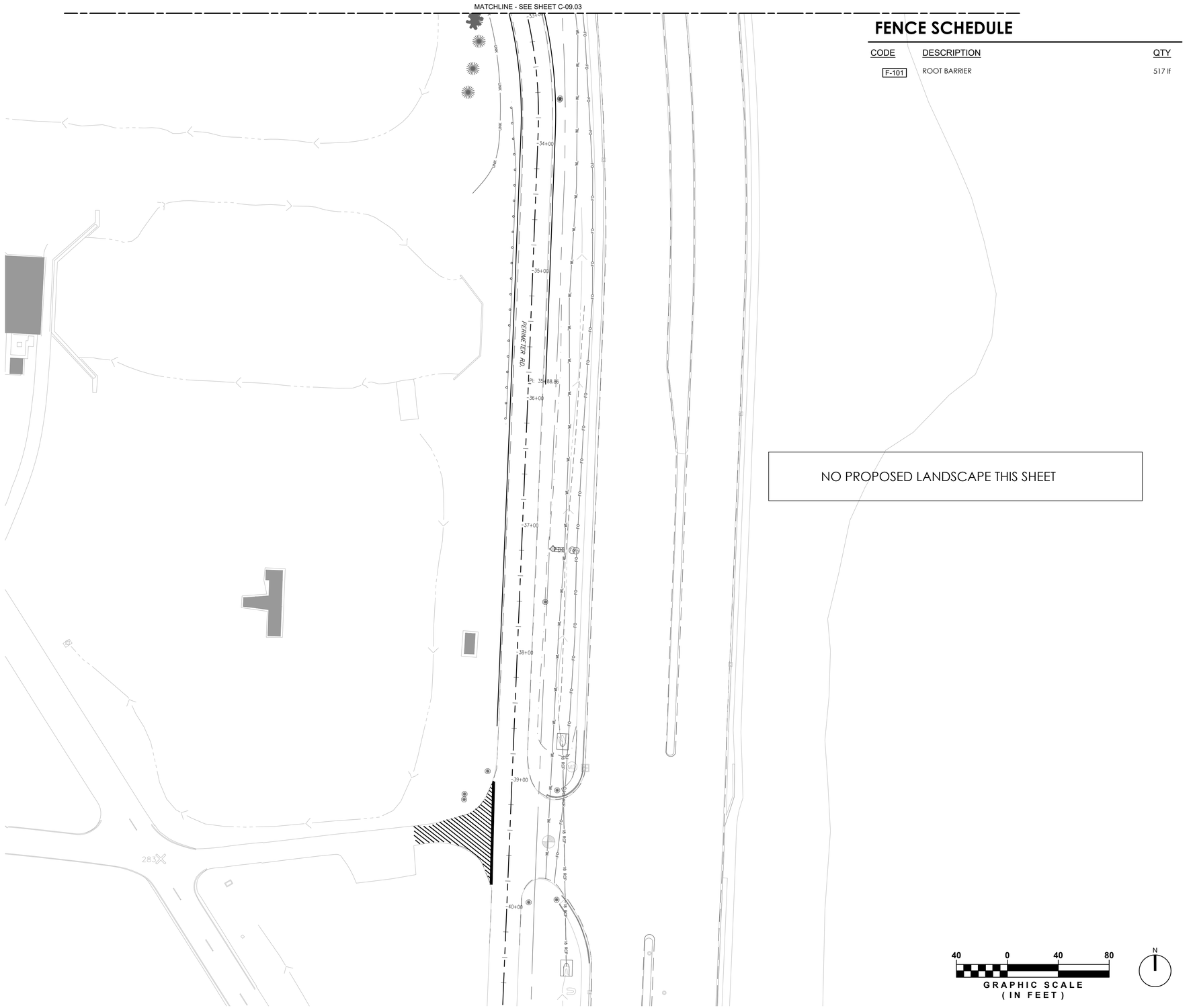
AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

LANDSCAPE PLAN

SHEET ID
C-10.03

ISSUED FOR BID



FENCE SCHEDULE

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NO PROPOSED LANDSCAPE THIS SHEET

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GRAPHIC SCALE
(IN FEET)

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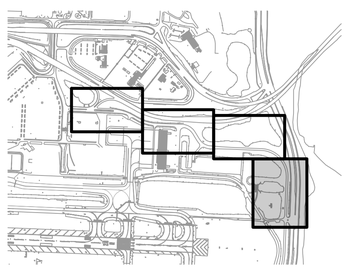
	SS-R	CABBAGE PALMETTO
SOD		
	SOD	ST. AUGUSTINE GRASS

cma
chen moore and associates
500 S Australian Ave.
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com

KEY MAP



MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO.: 6667129
DATE: FEBRUARY 2026

DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
ISSUE DATE: FEBRUARY 2026
DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007

PALM BEACH COUNTY DEPT OF AIRPORTS
1000 PBIA, SUITE 846
WEST PALM BEACH, FL 33406-1412
PHONE: 561-471-7420
HDR
3230 W. COMMERCIAL BLVD,
SUITE 400
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

LANDSCAPE PLAN

SHEET ID
C-10.04

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ISSUED FOR BID

PLANT SCHEDULE

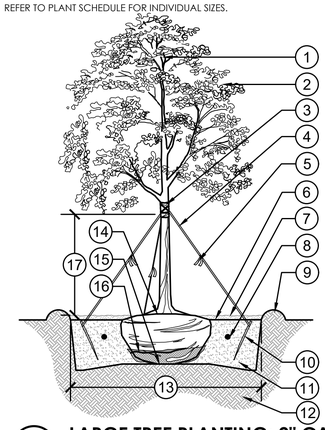
SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS
TREES								
	PE	14	Slash Pine 12' HT. MIN., INCREASE TREE HT TO MATCH CALIPER	Pinus elliottii	See Size	4.5" CAL., 16' HT.	Yes	12' HT. MIN., INCREASE TREE HT TO MATCH CALIPER
	QV	19	Southern Live Oak	Quercus virginiana	See Size	6" CAL, 16'-18' HT, 8'-10' SPR	Yes	
RELOCATED TREES								
	SS-R	2	Cabbage Palmetto	Sabal palmetto	Relocated		Yes	
SOD								
	SOD	29,115 sf	St. Augustine Grass	Stenotaphrum secundatum	Sod			

FENCE SCHEDULE

CODE	DESCRIPTION	QTY
F-101	ROOT BARRIER	517 lf

CALIPER MEASUREMENTS NOTES:
1. CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER OR LESS.
2. CALIPER MEASUREMENT IS12" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER GREATER.

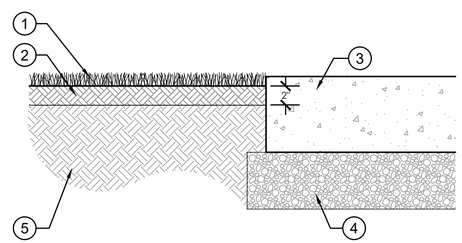
REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



1. DO NOT PRUNE CENTRAL LEADER
2. PRUNE DAMAGED OR DEAD WOOD IMMEDIATELY PRIOR TO PLANTING USING ACCEPTABLE NURSERY PRACTICES OR AS DIRECTED BY THE LANDSCAPE ARCHITECT
3. PROTECT TRUNK WITH 3 LAYERS OF BURLAP MINIMUM
4. 1" WIDE MIN. NYLON STRAPPING AT EQUAL SPACING (3 PER TREE) GUY WIRES SHALL NOT TO BE USED
5. FLUORESCENT MARKING FLAG
6. FINISH GRADE
7. 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3" OF TREE TRUNK
8. FERTILIZER TABLET IF APPLICABLE
9. CONSTRUCT TEMPORARY 3" WATERING BASIN
10. 2"X4"X8" STAKE: SET 2" BELOW FINISH GRADE
11. SPECIFIED SOIL MIX
12. EXISTING SOIL
13. 2X DIAMETER OF THE ROOTBALL
14. SET CROWN OF ROOT BALL SLIGHTLY ABOVE SURROUNDING FINISH GRADE. REMOVE TOP 2/3 OF BURLAP FROM ROOTBALL. TRUNK TAPER SHALL BE VISIBLE AT TIME OF INSTALLATION
15. SET ROOTBALL ON UNDISTURBED SOIL
16. REMOVE TOP 2/3 OF BURLAP/WIRE BASKET FROM ROOTBALL
17. CLEAR TRUNK: REFER TO PLANT SCHEDULE

1 LARGE TREE PLANTING: 2" CALIPER AND GREATER

1/4" = 1'-0" 329301-17

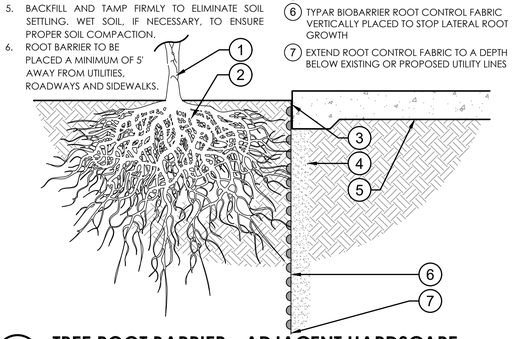


1. SOD (AS SPECIFIED)
2. PLANTING MIX: 80% SILICA SAND, 20% ORGANIC
3. SIDEWALK OR CURB
4. SUB-BASE
5. NATIVE SOIL

2 SOD PLANTING

329301-03

INSTALLATION NOTES
1. CONTACT UTILITY COMPANY AND ENSURE UTILITY LINES ARE PROPERLY LOCATED PRIOR TO DIGGING OR TRENCHING.
2. FOR EXISTING TREES, CONSULT A PROFESSIONAL ARBORIST IF ROOT TRIMMING IS REQUIRED.
3. INSTALL & COVER BIOBARRIER WITHIN 12 HOURS AFTER OPENING. HIGH TEMPERATURES AND DIRECT SUNLIGHT CAN REDUCE EFFECTIVE PRODUCT LIFE.
4. INSTALL TYPAR BIOBARRIER ROOT CONTROL FABRIC WITH NODULES FACING TOWARD ROOT SOURCE.
5. BACKFILL AND TAMP FIRMLY TO ELIMINATE SOIL SETTLING. WET SOIL, IF NECESSARY, TO ENSURE PROPER SOIL COMPACTION.
6. ROOT BARRIER TO BE PLACED A MINIMUM OF 5' AWAY FROM UTILITIES, ROADWAYS AND SIDEWALKS.



1. PROPOSED OR EXISTING TREE
2. FUTURE OR EXISTING ROOT STRUCTURE
3. SECURE FABRIC USING ADHESIVE
4. EXCAVATE TRENCHES A MINIMUM OF 4" WIDE: TRENCHES MUST BE A MINIMUM LENGTH OF MATURE PLANT CANOPY PLUS 10 FEET, CENTERED ON THE ROOT SOURCE AND ADJACENT TO PROTECTION AREA
5. PROPOSED CONCRETE OR ASPHALT SURFACE
6. TYPAR BIOBARRIER ROOT CONTROL FABRIC VERTICALLY PLACED TO STOP LATERAL ROOT GROWTH
7. EXTEND ROOT CONTROL FABRIC TO A DEPTH BELOW EXISTING OR PROPOSED UTILITY LINES

3 TREE ROOT BARRIER - ADJACENT HARDSCAPE

3/4" = 1'-0" 32 9413.23-02

MITIGATION NOTE

TREES PROPOSED FOR REMOVAL NOT REQUIRED TO BE MITIGATED PER EXOTIC TREE CLASSIFICATION. LIVE OAKS SPECIFIED ON LANDSCAPE PLAN ARE PROPOSED TO CONTINUE THE VISUAL CANOPY AESTHETIC THAT CURRENTLY EXISTS.

MITIGATION CALCULATIONS

	Code	Quantity	Common	Botanical	Cont	Replacement Trees Provided	Surplus/Deficit of Mitigation Trees or Palms
TREES							
	PE	4	Slash Pine	Pinus elliottii	B & B	4	
	QV	19	Southern Live Oak	Quercus virginiana	B & B	19	
TOTAL TREES REQUIRED PER TREE DISPOSITION TABLE		22					1

IRRIGATION RESTORATION NOTES

- CONTRACTOR SHALL BE REQUIRED TO MODIFY THE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO CONTROLLER MODIFICATIONS, HEADS, PIPING (LATERALS & MAINLINE), SLEEVES, VALVES, WIRING, ETC.
- THE NEW OR MODIFIED IRRIGATION ZONES SHALL BE DESIGNED TO MEET THE INTENT OF THE COUNTY'S LAND DEVELOPMENT CODE, ARTICLE 7, CHAPTER F, SECTION 5.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF IRRIGATION SYSTEM MODIFICATIONS TO THE OWNER/OWNER'S REPRESENTATIVE FOR DESIGN REVIEW AND APPROVAL.
- IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING SITE ITEMS DAMAGED BY THEIR WORK. IRRIGATION CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
- THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE, OR RESTORE ALL SERVICES TO ANY UTILITIES WHICH ARE DISRUPTED DUE TO THEIR OPERATIONS. ALL COSTS INVOLVED IN DISRUPTION OF SERVICE AND REPAIRS DUE TO NEGLIGENCE ON THE PART OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- AS-BUILT DRAWINGS: PROVIDE RECORD DRAWINGS AND PLANS SHOWING ALL CHANGES IN THE DESIGN TO INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL EQUIPMENT AND MATERIALS. THE FOLLOWING SPECIFIC ITEMS MUST BE INCLUDED
  1. LOCATION AND SIZE OF MAINLINE PIPING, LATERAL PIPING, AND PIPE SLEEVING.
  2. ISOLATION VALVES
  3. REMOTE CONTROL VALVE LOCATIONS, SIZES, NUMBER, AND AREA OF COVERAGE SHOWN USING DIFFERENT COLORS.
  4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.
  5. CONTROLLER AND RAIN SHUTOFF DEVICES.
  6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.
  7. DATE AND SCALE.
  8. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.
  9. THE AS-BUILT DRAWINGS SHALL BE SIGNED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT OR PROFESSIONAL ENGINEER
- CONTRACTOR SHALL FURNISH FIVE EXTRA UNITS OF EACH TYPE OF POPUP SPRAY AND EMITTER THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS. INCLUDE TOOLS TO SERVICE THESE PRODUCTS.

cma chen moore and associates
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Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com

MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 86673-20
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
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AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

LANDSCAPE NOTES AND DETAILS

SHEET ID
C-10.05

ISSUED FOR BID

LANDSCAPE SPECIFICATIONS

1. GENERAL
   - 1.1. WORK PERFORMED SHALL COMPLY WITH THE FOLLOWING:
     - 1.1.1. THESE GENERAL NOTES, CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
     - 1.1.2. ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES AND REGULATIONS.
   - 1.2. SOURCE OF BASE INFORMATION IS PROVIDED BY BROWN & PHILLIPS, INC. ON 12/28/22 AND IS ASSUMED TO BE CORRECT. IF SITE DISCREPANCIES ARE PRESENT, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. IF CONTRACTOR CONTINUES WORK WITHOUT THE PROPER NOTIFICATION, CONTRACTOR DOES SO AT HIS OWN RISK.
   - 1.3. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE WORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS DESCRIBED HEREIN.
   - 1.4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS AS REQUIRED TO COMPLETE THE WORK OF THIS PROJECT.
   - 1.5. CONTRACTOR SHALL VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER CONTRACTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT OWNER'S REPRESENTATIVE FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
   - 1.6. CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC." AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.
   - 1.7. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT. THE LOCATION OF EXISTING UTILITIES OR SITE FEATURES AS SHOWN ON THE PLANS MAY VARY IN RELATION TO ACTUAL EXISTING CONDITIONS. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT AND THE OWNER IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE LANDSCAPE ARCHITECT AND THE OWNER.
   - 1.8. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, WATER, SANITARY SEWER, POWER, NATURAL GAS, TELEPHONE AND CABLE TV COMPANIES.
   - 1.9. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
   - 1.10. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND BY HAND, IF NECESSARY. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OF DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AND AT NO EXPENSE TO THE OWNER.
   - 1.11. THE SUCCESSFUL BIDDER SHALL FURNISH TO THE OWNER A UNIT PRICE BREAKDOWN FOR ALL MATERIALS. THE OWNER MAY, AT ITS DISCRETION, ADD OR DELETE FROM THE MATERIALS UTILIZING THE UNIT PRICE BREAKDOWN SUBMITTED.
   - 1.12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL PERMIT CONDITIONS.
2. PRE-CONSTRUCTION RESPONSIBILITY
   - 2.1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE LANDSCAPE ARCHITECT, ANY OTHER PERTINENT PARTIES AND HIMSELF.
   - 2.2. CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES ONSITE. LOCATION TO BE DETERMINED BY THE OWNER. JANITORIAL SERVICES SHALL BE PROVIDED BY CONTRACTOR THROUGHOUT THE DURATION OF PROJECT.
   - 2.3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
   - 2.4. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS; THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.
   - 2.5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR THE FIELD LOCATIONS AND FOR ANY TREES PROPOSED FOR RELOCATION. THIS SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE IMPACT ON CONSTRUCTION SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR BY THE RELOCATION OF TREES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
   - 2.6. CONTRACTOR SHALL VERIFY LIMITS OF CONSTRUCTION AS NOTED ON THE PLANS. ANY WORK PERFORMED OUTSIDE OF THE AGREED UPON LIMITS OF CONSTRUCTION SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
3. SITE DEMOLITION
   - 3.1. ITEMS SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLAN(S). REMOVE DESIGNATED ITEMS SHOWN ON THE PLAN TO THE FULL DEPTH OF THEIR CONSTRUCTION UNLESS OTHERWISE NOTED.
   - 3.2. ALL HARDSCAPE DESIGNATED FOR REMOVAL SHALL BE SAW CUT, LEAVING UNIFORM EDGES TO THE GREATEST EXTENT POSSIBLE. MATERIAL EDGES TO REMAIN SHALL BE SHORED UP AND PROTECTED DURING CONSTRUCTION TO PRESERVE EDGE INTACT. REPAIRS TO DAMAGED EDGES SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
   - 3.3. NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS NOTED ON THE PLANS OR APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.
   - 3.4. SALVAGE EXISTING MATERIALS AS INDICATED ON THE PLANS. SALVAGED MATERIALS SHALL BE HANDLED WITH CARE AND STORED ON-SITE OR AS DIRECTED BY OWNER. CLEAN ALL DEBRIS AND CONSTRUCTION MATERIAL FROM SALVAGED ITEMS; REUSE AS DIRECTED BY OWNER'S REPRESENTATIVE.
   - 3.5. REMOVE DEMOLISHED MATERIALS FROM SITE AND DISPOSE OF AS REQUIRED BY LOCAL, STATE OR FEDERAL LAWS.
   - 3.6. CONTRACTOR SHALL PROTECT ADJACENT WATER BODIES, COASTAL DUNE SYSTEMS AND PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
   - 3.7. ALL IRRIGATION IN DEMOLITION AREA TO BE CAPPED AND ADJUSTED AS NECESSARY TO ENSURE OVERALL SYSTEM IS NOT AFFECTED.
4. TREE PRESERVATION
   - 4.1. ALL TREES TO BE PRESERVED AS INDICATED ON THE TREE DISPOSITION PLAN SHALL BE PROTECTED BY A TREE PROTECTION BARRICADE, UNLESS OTHERWISE NOTED ON PLAN.
   - 4.2. TREE PROTECTION BARRICADES SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AROUND THE DRIP LINE OF EXISTING TREES TO BE PRESERVED IN PLACE, AS SHOWN ON PLAN. PRESERVATION BARRICADES SHALL BE LEFT IN PLACE THROUGHOUT DURING ALL PHASES OF CONSTRUCTION.
   - 4.3. PRIOR TO ANY CONSTRUCTION A TREE PROTECTION BARRICADE INSPECTION SHALL BE CONDUCTED BY THE LANDSCAPE ARCHITECT, OWNER OR GOVERNING MUNICIPALITY. REFER TO PLANS FOR TREE PRESERVATION BARRICADE FENCING DETAIL.
   - 4.4. IF EXCAVATION IN THE VICINITY OF A PROTECTED TREE IS REQUIRED, CONTRACTOR SHALL ROOT PRUNE TREES, UNDER THE SUPERVISION OF A CERTIFIED ARBORIST IN ACCORDANCE TO THE FOLLOWING CONDITIONS:
     - 4.4.1. ROOT PRUNE TREES A MINIMUM OF EIGHT (8) WEEKS PRIOR TO CONSTRUCTION. PRIOR TO ROOT PRUNING, THOROUGHLY WATER THE ROOT ZONE WITH AT LEAST 2 TO 3 INCHES OF WATER FOR 2 TO 3 DAYS PRIOR TO ROOT PRUNING. SEE BELOW FOR RELOCATION TIMELINE.
       1. PROVIDE TEMPORARY IRRIGATION FOR EACH TREE THROUGHOUT THE DURATION OF CONSTRUCTION.
       2. ROOT PRUNE TREES, SHOWN ON PLAN IN AREAS WHERE ROOTS WILL CONFLICT WITH CONSTRUCTION ACTIVITY. PRUNING OF ROOTS SHOULD BE DONE IN A MANNER TO PRESERVE THE GREATEST AMOUNT OF THE ROOT BASE AS POSSIBLE.
       3. BACKFILL TRENCH WITH PLANTING SOIL.
       4. FERTILIZE WITHIN THE ROOT ZONE (SEE BELOW).
     - 4.4.2. ROOT PRUNING SHALL BE ACCOMPLISHED BY DIGGING A TRENCH AROUND THE TREE IN AREAS WHERE PROPOSED SITE WORK WILL BE PERFORMED. TRENCHING SHALL BE AT A MINIMUM OF 24" DEEP. ROOT PRUNE ONLY WITH A MECHANICAL ROOT-PRUNING SAW OR A TRENCHER WITH A MAXIMUM TRENCH WIDTH OF 8".
     - 4.4.3. ALL EXPOSED ROOTS SHALL BE CUT OFF SMOOTHLY, WITH SHARP INSTRUMENTS. BACKFILL TRENCHES WITH SOIL CONSISTING OF 30% SILICA SAND AND 70% MUCK. WATER THOROUGHLY AFTER ROOT PRUNING, AND ONCE WEEKLY DURING THE ROOT REGENERATION PERIOD, WITH A SOLUBLE FERTILIZER THAT HAS A 20.20.20 ANALYSIS AT MANUFACTURER'S RECOMMENDED RATE.
   - 4.5. THE CONTRACTOR SHALL FIELD STAKE THE LIMIT OF ROOT PRUNING. LIMITS OF ROOT PRUNING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY EXCAVATION. DO NOT ROOT PRUNE FOR IRRIGATION OR ELECTRICAL LINES WITHIN DRIP LINES OF EXISTING TREES. COORDINATE ALL TRENCHING REQUIRED FOR UTILITY WORK WITH THE LANDSCAPE PLANS.
   - 4.6. ROOT PRUNING SHALL OCCUR IN ACCORDANCE WITH TREE RELOCATION NOTES AS NOTED ON PLANS.
5. PLANTING SOIL
   - 5.1. ALL TREES SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND BENEATH THE ROOTBALL.
   - 5.2. ALL TREES SHALL BE PLANTED WITH A MINIMUM OF 6" TOPSOIL AROUND AND BENEATH THE ROOTBALL.
   - 5.3. MINIMUM TOPSOIL SHALL BE 2" FOR SODDED GRASS AREAS.
   - 5.4. PLANTING SOIL MIX SHALL BE A WEED FREE MIX AS FOLLOWS:
     - 5.4.1. DICOT TREES & SHRUBS: 50% SAND, 40% MUCK & 10% PEAT
     - 5.4.2. MONOCOT PALMS: 70% SAND & 30% MUCK
     - 5.4.3. TURF: 80% SAND, 10% PEAT & 10% MUCK
6. LANDSCAPE PLANTING
   - 6.1. THIS PLAN HAS BEEN DESIGNED TO MEET OR EXCEED ALL APPLICABLE CODES.
   - 6.2. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.
   - 6.3. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
   - 6.4. ALL PLANT MATERIAL SHALL BE TRUE TO THE BOTANICAL NAME, GENUS, SPECIES AND/OR HYBRID DESIGNATION.
   - 6.5. ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE OF THE SIZES (HEIGHT & SPREAD) AS SPECIFIED IN THE PLANT LIST. CONTAINER SIZE IS FOR REFERENCE PURPOSES ONLY. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE MINIMUM SIZES AT INSTALLATION, AS SPECIFIED IN THE PLANT LIST.
   - 6.6. QUANTITIES LISTED ON THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES. MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS.
   - 6.7. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.
   - 6.8. ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND/OR GOVERNING MUNICIPALITY.
   - 6.9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.
   - 6.10. AFTER FINAL GRADE, LANDSCAPE AREAS ARE TO BE RAKED TO A DEPTH OF 6". ALL ROCK AND FOREIGN INORGANIC MATERIALS SHALL BE REMOVED AND DISPOSED OF PROPERLY OFF-SITE.
   - 6.11. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT EXISTING TREES, DAMAGE UTILITIES OR OTHER IMPROVEMENTS.
   - 6.12. ALL PLANTING BEDS IN OPEN AREAS AND AROUND BUILDING FOUNDATIONS SHALL BE EXCAVATED TO A DEPTH OF TWENTY-FOUR INCHES (24") AND BACK FILLED WITH SOIL MIX AS SPECIFIED IN SECTION 5.00. PLANTING BED SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS OR OTHER EXTRANEOUS MATERIAL.
   - 6.13. ALL PLANTING BEDS IN MEDIANS, HARDSCAPE AREAS OR AREAS ENCOMPASSED BY IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO A DEPTH OF THIRTY-SIX INCHES (36") OR UNTIL NATIVE SOILS ENCOUNTERED TO ENSURE DRAINAGE. BACK FILL WITH SOIL MIX AS SPECIFIED IN SECTION 5.00. PLANTING BED SHALL BE FREE FROM ROCK, CONSTRUCTION DEBRIS OR OTHER EXTRANEOUS MATERIAL.
   - 6.14. EXCAVATE PLANTING PITS TO A DEPTH SO THAT THE TRUNK FLARE AND FIRST ORDER LATERAL ROOT(S) WILL BE PLANTED AT FINISH GRADE OR SLIGHTLY HIGHER. ADVENTITIOUS ROOTS ARE NOT CONSIDERED FIRST ORDER ROOTS.
   - 6.15. BURLAP, SYNTHETIC STRING, CORDS AND/OR LIFTING ROPES SHALL BE REMOVED FROM THE ROOTBALLS BEFORE ANY TREES ARE PLANTED. THE TOP 1/3RD OF BURLAP MUST BE REMOVED FROM HE TOP OF THE ROOTBALLS. THE TOP 1/3RD OF WIRE BASKETS SHALL BE COMPLETELY REMOVED AND THE BOTTOM 2/3RDS SHALL BE CUT BEFORE THE TREES ARE INSTALLED.
   - 6.16. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED.
   - 6.17. NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.
   - 6.18. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED, BROKEN OR OTHERWISE DAMAGED.
   - 6.19. ALL TREES SPECIFIED AS FIELD GROWN OR B&B TREES SHALL BE ROOT-PRUNED AT THE NURSERY A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.
   - 6.20. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL BE MAINTAINED TO PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.
   - 6.21. NO CANOPY TREES SHALL BE PLANTED WITHIN 12 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 6 FEET OF A LIGHT POLE.
   - 6.22. GROUND COVER PLANTINGS SHALL PROVIDE NOT LESS THAN 50 PERCENT COVERAGE IMMEDIATELY UPON PLANTING AND 100 PERCENT COVERAGE WITHIN 6 MONTHS AFTER PLANTING.
   - 6.23. TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE 8' IN ALL PEDESTRIAN AREAS.
   - 6.24. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.
   - 6.25. CONTRACTOR SHALL REMOVE ALL NURSERY STAKES, CONDUIT, FLAGGING AND NURSERY TAPE PRIOR TO STAKING.
   - 6.26. CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT/WARRANTY PERIOD.
   - 6.27. TREES THAT CANNOT STAND WITHOUT THE SUPPORT OF STAKES AND/OR GUYS SHALL BE REJECTED.
7. TURF GRASSES
   - 7.1. ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ABUTTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ABUTTING CANAL, LAKE OR WATERWAY. REFER TO PLANTING SCHEDULE FOR ESTIMATED QUANTITY AND SPECIES.
8. MULCH & FERTILIZER
   - 8.1. ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF SHREDDED FLORI-MULCH, MELALEUCA OR EUCALYPTUS MULCH GRADE 'B' OR BETTER, UNLESS OTHERWISE SPECIFIED.
   - 8.2. INDIVIDUAL TREES PLANTED IN LAWN AREAS SHALL BE MULCHED WITH A MINIMUM 3' DIAMETER MULCH RING.
   - 8.3. MULCH SHALL NOT BE INSTALLED WITHIN 3" OF TREE TUNKS.
   - 8.4. FERTILIZER MIX AS FOLLOWS:
     - 8.4.1. DICOT TREES & SHRUBS: NPK 18-4-2, SLOW RELEASE W/ MICRONUTRIENTS
     - 8.4.2. MONOCOT PALMS: NPK 8-2-12, SLOW RELEASE W/ MICRONUTRIENTS
     - 8.4.3. TURF: NPK 16-4-8, SLOW RELEASE W/ MICRONUTRIENTS
9. WATERING
   - 9.1. NO NEW IRRIGATION IS PROPOSED FOR THIS SCOPE OF WORK. THE CONTRACTOR SHALL BE REQUIRED TO MODIFY THE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO CONTROLLER MODIFICATIONS, HEADS, PIPING (LATERALS & MAINLINE), SLEEVES, VALVES, WIRING, ETC. THE NEW OR MODIFIED IRRIGATION ZONES SHALL BE DESIGNED TO MEET THE INTENT OF SECTION 5 OF THE PALM BEACH COUNTY ULDC.
   - 9.2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF IRRIGATION SYSTEM MODIFICATIONS TO THE OWNER/OWNER'S REPRESENTATIVE FOR DESIGN REVIEW AND APPROVAL.
   - 9.3. IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING SITE ITEMS DAMAGED BY THEIR WORK. IRRIGATION CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
   - 9.4. THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE, OR RESTORE ALL SERVICES TO ANY UTILITIES WHICH ARE DISRUPTED DUE TO THEIR OPERATIONS. ALL COSTS INVOLVED IN DISRUPTION OF SERVICE AND REPAIRS DUE TO NEGLIGENCE ON THE PART OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
   - 9.5. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS SHOWING ALL CHANGES IN THE DESIGN TO INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL EQUIPMENT AND MATERIALS. THE FOLLOWING SPECIFIC ITEMS MUST BE INCLUDED:
     - 9.5.1. LOCATION AND SIZE OF MAINLINE PIPING, LATERAL PIPING, AND PIPE SLEEVING.
     - 9.5.2. ISOLATION VALVES
     - 9.5.3. REMOTE CONTROL VALVE LOCATIONS, SIZES, NUMBER, AND AREA OF COVERAGE SHOWN USING DIFFERENT COLORS.
     - 9.5.4. SPLICE BOXES AND LOW VOLTAGE WIRING PATH.
     - 9.5.5. CONTROLLER AND RAIN SHUTOFF DEVICES.
     - 9.5.6. POINT OF CONNECTION INCLUDING THE TYPE OF WATER SOURCE, SIZE, FLOW RATE, AND OPERATING PRESSURE.
     - 9.5.7. DATE AND SCALE.
     - 9.5.8. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.
     - 9.5.9. THE AS-BUILT DRAWINGS SHALL BE SIGNED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT OR PROFESSIONAL ENGINEER.
     - 9.5.10. CONTRACTOR SHALL FURNISH FIVE EXTRA UNITS OF EACH TYPE OF POPUP SPRAY AND EMITTER THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS. INCLUDE TOOLS TO SERVICE THESE PRODUCTS.
   - 9.6. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE THE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND THE LANDSCAPE IS TURNED OVER TO THE OWNER.
10. PROJECT CLOSEOUT
   - 10.1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
   - 10.2. THE CONTRACTOR SHALL RESTORE, REPLACE OR AS DIRECTED BY THE LANDSCAPE ARCHITECT, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY THE WORK OF THE CONTRACTOR, HIS EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUB-CONTRACTORS. THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT OF THE EXISTING ADJACENT AREAS. THE RESTORATION WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
   - 10.3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK. THESE AREAS SHALL BE KEPT IN A CLEAN AND NEAT CONDITION.
   - 10.4. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
   - 10.5. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS INCLUDING PRODUCT/EQUIPMENT AS SPECIFIED OR REVISED DURING THE SHOP DRAWING SUBMITTAL PROCESS. AS-BUILT DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.
11. GUARANTEE
   - 11.1. ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION.
   - 11.2. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 90 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. REPLACEMENT MATERIAL SHALL BE REPLACED IN KIND AS IT RELATES TO SPECIES, QUANTITY AND SIZE.
   - 11.3. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 74 MPH AS DETERMINED BY THE NATIONAL HURRICANE CENTER, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

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MARK	DESCRIPTION	DATE

LICENSED PROFESSIONAL
ERIC HARRISON
FL PE NO. 66673-20
DATE: FEBRUARY 2026

DRAWN BY: E. FERGUSON
SUBMITTED BY: E. HARRISON
DESIGNED BY: E. FERGUSON
CHECKED BY: E. HARRISON
CONTRACT NO.: I-22-PBI-H-007
ISSUE DATE: FEBRUARY 2026

PALM BEACH COUNTY DEPT OF AIRPORTS
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WEST PALM BEACH, FL 33406-1412
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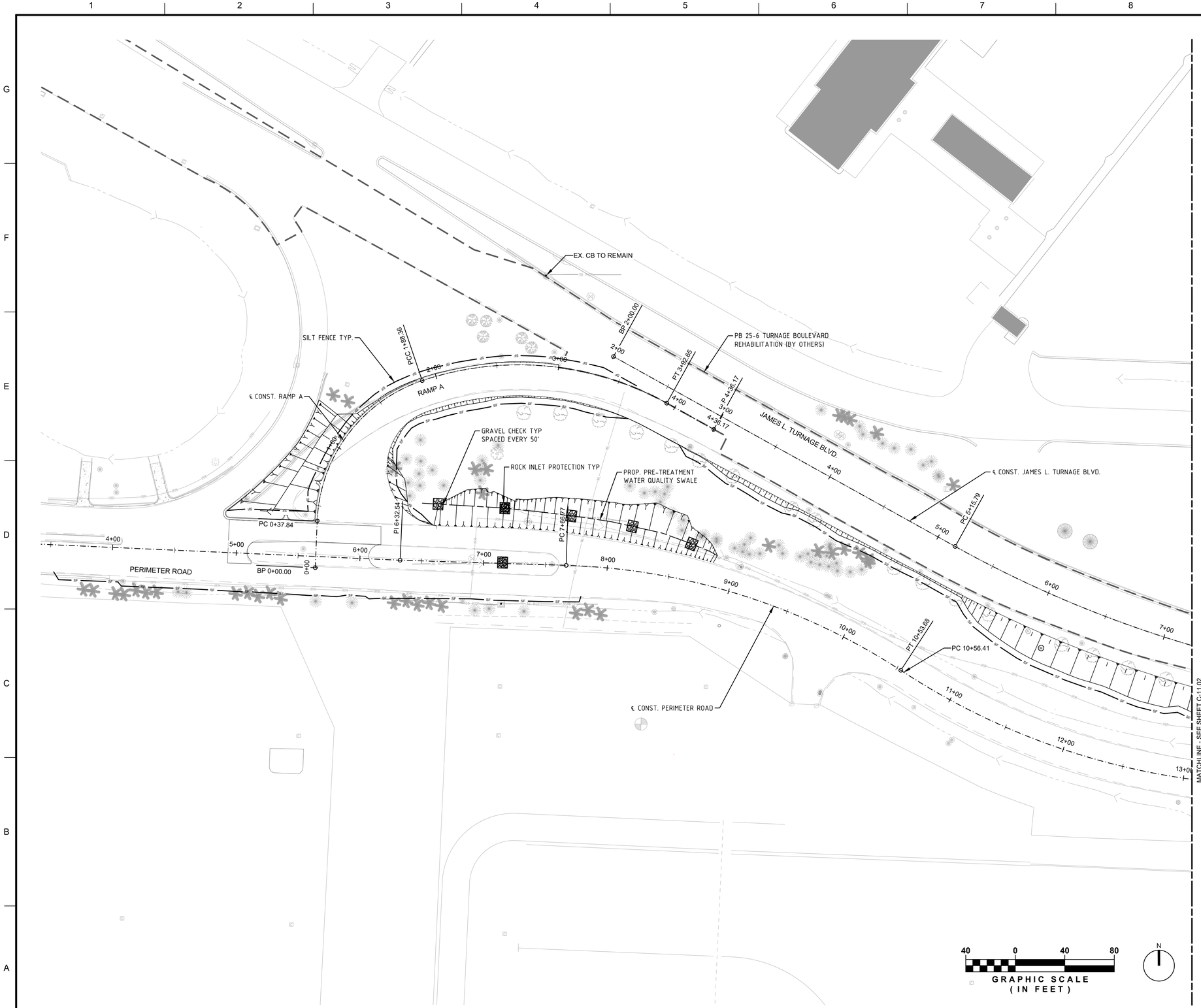
3230 W. COMMERCIAL BLVD.
SUITE 100
FORT LAUDERDALE, FL 33309

AIR CARGO ACCESS IMPROVEMENTS
PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

LANDSCAPE SPECIFICATIONS

SHEET ID
C-10.06

ISSUED FOR BID



LEGEND

- TEMPORARY SILT FENCE
- TEMPORARY ROCK BAGS
- TEMPORARY FILTER FABRIC INLET PROTECTION
- TEMPORARY ROCK INLET PROTECTION
- GRAVEL CHECK

NOTES

1. CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
2. DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CATCH BASIN.
3. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.
4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
5. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
6. ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
7. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
9. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.
11. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
12. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
13. BURNING OF DEBRIS WILL NOT BE ALLOWED.
14. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
15. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER WAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF WORK.
16. THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND EXCAVATING.
17. FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:
    - 17.1.OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).
    - 17.2.COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.
    - 17.3.DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
    - 17.4.COMPLETE A NOTICE OF INTENT (NOI) FLORIDA DEPARTMENT OF ENVIORNMENTAL PROTECTION FORM 62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WEBSITE.
18. SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.
19. CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.
20. CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL WALK-THROUGH.

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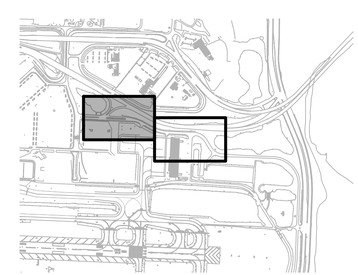
KEY MAP



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AIR CARGO ACCESS IMPROVEMENTS

PALM BEACH INTERNATIONAL AIRPORT
PALM BEACH COUNTY, FLORIDA

STORM WATER POLLUTION PREVENTION PLAN

SHEET ID
C-11.01

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