VNC NEW TERMINAL BUILDING

150 AIRPORT AVE. E, VENICE, FL 34285

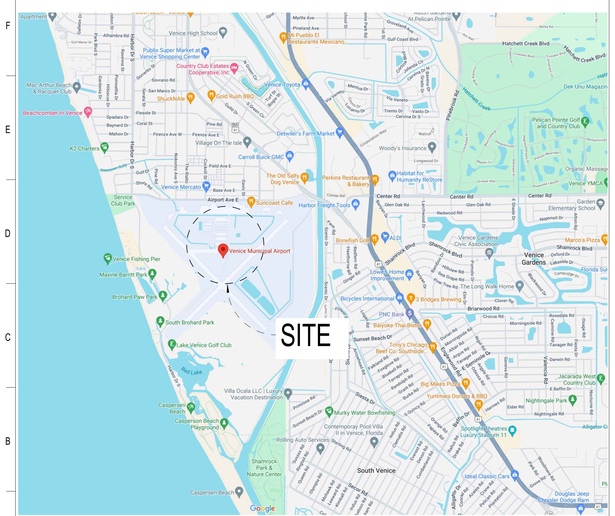
DESIGN TEAM

Project Manager	Yonkers Industries
Architect of Record	HDg Architecture
Structural Engineering	BBM Structural
Mechanical Engineering	Thompson Engineering
Plumbing Engineering	Thompson Engineering
Electrical Engineering	Power Engineering
Civil Engineering	Mohsen Design Group Incorporated
Fire Protection	Veritas Fire Engineering, Inc

SUBMITTAL LOG

DATE	DESCRIPTION
05-22-2024	SCHEMATIC DESIGN 30% SUBMITTAL
07-17-2024	DESIGN DEVELOPMENT 60% SUBMITTAL
09-24-2024	CONSTRUCTION DOCUMENT 90% SUBMITTAL
10-15-2024	CONSTRUCTION DOCUMENT 100% SUBMITTAL

LOCATION MAP



N

SHEET INDEX



SITE AND DEVELOPMENT PLANS

09/16/2025

G-000 DRAWING LIST - CIVIL

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C020	PROJECT LAYOUT PLAN
C030	CONSTRUCTION SAFETY AND PHASING PLAN
C031	MAINTENANCE OF TRAFFIC PLAN
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G-000 DRAWING LIST - STRUCTURAL

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S003	STRUCTURAL GENERAL NOTES & SYMBOL LEGEND
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S101	STRUCTURAL FOUNDATION PLAN
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G-000 DRAWING LIST - FIRE PROTECTION

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FP101	FIRE SPRINKLER HAZARD PLAN 1ST LEVEL
FP102	FIRE SPRINKLER HAZARD PLAN 2ND LEVEL
FP103	FIRE SPRINKLER HAZARD PLAN ATTIC
FP201	FIRE ALARM PLAN 1ST LEVEL
FP202	FIRE ALARM PLAN 2ND LEVEL
FP203	FIRE ALARM PLAN ATTIC
FP301	FIRE SPRINKLER PLAN 1ST LEVEL
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E203	LUMINAIRE AND CONTROLS SCHEDULES
E204	IECC DOCUMENTATION
E301	FLOOR PLAN - ROOF - LIGHTNING PROTECTION
E400	ELECTRICAL ONE-LINE DIAGRAM
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G-000 DRAWING LIST - LANDSCAPE

SHEET NUMBER	SHEET TITLE
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE DETAILS
IR1.0	IRRIGATION PLAN
IR1.1	IRRIGATION DETAILS PLAN

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MOHSEN MOHAMMADI LICENSE No 47813 STATE OF FLORIDA PROFESSIONAL ENGINEER 09/16/2025

REVISIONS

MARK	DESCRIPTION	DATE
3	Permit Responses	01/31/2025
5	CONFORMED SET	04/17/2025

VNC NEW TERMINAL BUILDING

150 AIRPORT AVE. E, VENICE, FL 34285

ISSUE DATE : 09/16/2025
PROJECT NO. : RIC23005

DRAWN BY: YY CHECKED BY: ZM

COVER SHEET

C000

CONFORMED SET

5/30/2025 2:36:50 PM
Autodesk Docs://23710 - VNC Venice Airport Terminal/23710 - VNC - TERMINAL_A (R2024) NEW 2 STORIES BLDG.rvt

GENERAL NOTES

1. THE OWNER SHALL HAVE THE AUTHORITY TO SUSPEND THE WORK WHOLLY, OR IN PART, FOR SUCH A PERIOD OR PERIODS AS HE/SHE MAY DEEM NECESSARY.THIS MAY BE DUE TO UNSUITABLE WEATHER, OR SUCH OTHER CONDITIONS AS ARE CONSIDERED UNFAVORABLE FOR THE EXECUTION OF THE WORK, OR FOR SUCH TIME AS IS NECESSARY DUE TO THE FAILURE ON THE PART OF THE CONTRACTOR TO CARRY OUT ORDERS GIVEN OR PERFORM ANY OR ALL PROVISIONS OF THE CONTRACT.

2. THE QUANTITIES SHOWN ON THE BID DOCUMENTS ARE APPROXIMATE AND ARE FOR THE SOLE PURPOSE OF COMPARING BIDS. THE CONTRACTOR SHALL BE PAID FOR ACTUAL QUANTITIES MEASURED IN THE FIELD AND APPROVED BY THE OWNER.

3. THE CONTRACTOR SHALL PERFORM HIS/HER OWN QUANTITY TAKE OFF PRIOR TO ORDERING MATERIALS. ANY DISCREPANCY BETWEEN BID QUANTITY AND MEASURED QUANTITY SHALL BE IDENTIFIED TO THE CONSTRUCTION MANAGER AND ENGINEER, IMMEDIATELY. ORDERING INSUFFICIENT MATERIALS SHALL NOT BE SUFFICIENT GROUNDS FOR THE CONTRACT TIME TO AVOID LIQUIDATED DAMAGES. THE CONTRACTOR SHALL NOT BE REIMBURSED FOR OVER ORDERING OF MATERIALS BASED ON BID SCHEDULE QUANTITIES.

4. THE CONTRACTOR SHALL DESIGNATE A PROJECT MANAGER OR SUPERINTENDENT TO THIS PROJECT AND SUBMIT HIS/HER RESUME AND QUALIFICATIONS TO THE OWNER FOR REVIEW AND APPROVAL TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION MEETING. THE PROJECT MANAGER OR SUPERINTENDENT SHALL BE ON THE JOB SITE AT ALL TIMES AND WHEN CONSTRUCTION WORK IS BEING CONDUCTED BY THE CONTRACTOR OR HIS/HER SUBCONTRACTORS.

5. THE OWNER AND ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION OR THE SAFETY PRECAUTIONS REQUIRED.

6. IN ACCORDANCE WITH THE AIRFIELD ACCESS POLICY THE CONTRACTOR SHALL ACQUIRE SECURITY BADGES FOR ACCESS TO THE AIRPORT OPERATIONS AREA. THE OWNER WILL NOT ESCORT THE CONTRACTOR OR CONTRACTOR'S SUBCONSULTANTS DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL OBTAIN ALL THE PERMITS AND LICENSES REQUIRED FOR CONSTRUCTION. THE COST FOR THESE PERMITS SHALL BE INCLUDED IN THE UNIT PRICE FOR MOBILIZATION.

8. THE CONTRACTOR IS RESPONSIBLE FOR STAKING THE CONSTRUCTION SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCREPANCY BETWEEN THE DESIGN DRAWINGS AND FIELD CONDITIONS. THE COST OF CONSTRUCTION STAKING AND MEASUREMENTS SHALL BE INCLUDED IN THE UNIT PRICE FOR OTHER ITEMS OF WORK.

9. THE CONTRACTOR SHALL EXAMINE EXISTING ACCESS ROADS, TAXIWAYS, AND OTHER PAVEMENTS TO DETERMINE IF THEY ARE CAPABLE OF SUSTAINING LOADS FROM VEHICLES AND CONSTRUCTION EQUIPMENT. ANY DAMAGE TO EXISTING PAVEMENTS TO BE PROTECTED SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

10. EXISTING PAVEMENT OR OTHER EXISTING WORK NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY REMOVED, DAMAGED, OR IN ANY WAY DISTURBED OR ALTERED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED, PATCHED, OR REPLACED TO THE COMPLETE SATISFACTION OF THE ENGINEER AT NO EXPENSE TO THE OWNER.

11. DAMAGE TO OTHER AIRPORT FACILITIES SUCH AS LIGHTING, SIGNAGE, NAVIGATIONAL AIDS, FAA CABLES, AND OTHER UTILITIES SHALL BE REPORTED TO THE OWNER AND THE FAA AS WELL AS REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. FAA MAY RESERVE THE RIGHT TO REPAIR THEIR OWN ITEMS AND CONTRACTOR WOULD BE REQUIRED TO PAY FAA FOR THE REPAIR.

12. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH OTHER CONTRACTORS WHO MIGHT BE WORKING CONCURRENTLY AT THE AIRPORT. ANY CONFLICTS IN PERFORMING WORK SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER FOR RESOLUTION.

13. THE CONTRACTOR SHALL MEET ALL APPLICABLE LOCAL AND FEDERAL LAWS WHEN DISPOSING OF ANY OILS OR OTHER FLUIDS REMOVED FROM EQUIPMENT BEING SERVICED ON AIRPORT PROPERTY. CONTRACTOR SHALL IMMEDIATELY CLEAN ANY SPILLS AND DISPOSE OF THE MATERIAL OFF AIRPORT PROPERTY AT APPROVED DESIGNATED AREAS. SPILL KITS TO BE PROVIDED BY THE CONTRACTOR AND MUST HAVE ON SITE AT ALL TIMES DURING CONSTRUCTION.

14. ALL CONSTRUCTION WASTE SHALL BE DISPOSED OF OFF AIRPORT PROPERTY OR AT APPROVED DESIGNATED AREAS. THE CONTRACTOR SHALL ACQUIRE ANY REQUIRED PERMITS FOR DISPOSAL OF THIS MATERIAL AT NO EXPENSE TO THE OWNER.

15. IF THE CONTRACTOR ENCOUNTERS SOIL STAINS, UNUSUAL ODORS, OR BURIED WASTE, WORK SHALL BE STOPPED AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY.

16. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO REDUCE EROSION TO THE PRACTICABLE MINIMUM AND TO PREVENT DAMAGING SILTATION OF WATER COURSES, STREAMS, LAKES, OR RESERVOIRS. THE SURFACE AREA OF ERODIBLE LAND, EITHER ON OR OFF THE AIRPORT SITE, EXPOSED TO THE ELEMENTS BY CLEARING, GRUBBING, OR GRADING OPERATIONS, INCLUDING GRAVEL PITS, WASTE OR DISPOSAL AREAS, AND HAUL ROADS, AT ANY ONE TIME, FOR THIS CONTRACT, SHALL BE SUBJECT TO APPROVAL OF THE OWNER AND THE DURATION OF SUCH EXPOSURE PRIOR TO FINAL TRIMMING AND FINISHING OF THE AREAS SHALL BE HELD TO THE MINIMUM PRACTICAL. THE OWNER SHALL HAVE FULL AUTHORITY TO ORDER THE SUSPENSION OF GRADING AND OTHER OPERATIONS PENDING ADEQUATE AND PROPER PERFORMANCE OF FINISHING AND MAINTENANCE WORK OR TO RESTRICT THE TRIMMING OF ERODIBLE LAND EXPOSED TO THE ELEMENTS.

17. THE DISTURBANCE OF LANDS AND WATERS THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION IS PROHIBITED, EXCEPT AS FOUND NECESSARY AND APPROVED BY THE OWNER.

18. THE CONTRACTOR SHALL CONDUCT HIS/HER WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWAGE, OR OTHER HARMFUL MATERIALS INTO STREAMS, RIVERS, LAKES, OR RESERVOIRS.

19. MINIMUM POSSIBLE AREAS OF OPEN GRADING, BORROW, OR AGGREGATE EXCAVATION SHALL BE EXPOSED AT ONE TIME, CONSISTENT WITH THE PROGRESS OF THE WORK.

20. WHEN NECESSARY, CERTAIN OPERATIONS SHALL BE DELAYED UNTIL PROPER WIND OR CLIMATIC CONDITIONS EXIST TO DISSIPATE OR INHIBIT POTENTIAL POLLUTANTS TO THE SATISFACTION OF REGULATORY AGENCIES.

21. UPON THE COMPLETION OF THE WORK AND BEFORE ACCEPTANCE AND FINAL PAYMENT WILL BE MADE, THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL MACHINERY, EQUIPMENT, SURPLUS AND DISCARDED MATERIALS, RUBBISH, TEMPORARY STRUCTURES, AND STUMPS OR PORTIONS OF TREES. CUT ALL BRUSH AND WOODS WITHIN THE LIMITS INDICATED AND SHALL LEAVE THE SITE IN A NEAT AND PRESENTABLE CONDITION. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY, UNLESS THE CONTRACTOR HAS OBTAINED THE WRITTEN PERMISSION OF SUCH PROPERTY OWNER.

22. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

23. THE CONTRACTOR SHALL NOTIFY SARASOTA COUNTY AT THE START OF CONSTRUCTION OF ANY COUNTY ROADS THAT ARE INTENDED FOR USE AS A HAUL ROUTE. THIS INCLUDES AIRPORT AVENUE AND HARBOR DRIVE.

24. ANY DEWATERING, DEWATERING PERMITS AND FEES SHALL BE CONSIDERED INCIDENTAL TO MOBILIZATION. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS ITEM.

25. ELEVATIONS SHOWN ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

26. THE HORIZONTAL DATUM IS BASED ON NAD 83 (2011) WEST ZONE-FL.

27. DISCOVERY OF ANY ENDANGERED OR THREATENED SPECIES WILL IMMEDIATELY STOP WORK AND BE REPORTED TO THE CITY AND THE STATE FOR PROFESSIONAL AND HUMANE REMOVAL.

ABBREVIATIONS

BOS	BOTTOM OF STRUCTURE
CO	COUNTY
CP	CONTROL POINT
CPP	CORRUGATED PLASTIC PIPE
DIP	DUCTILE IRON PIPE
DL	DRIP LINE (RADIUS)
EL	ELEVATION
ELEV	ELEVATION
EM	ELECTRIC METER
EOP	EDGE OF PAVEMENT
EXIT.	EXISTING
GA	GENERAL AVIATION
GIS	GEOGRAPHIC INFORMATION SYSTEM
INC	INCORPORATED
INV	INVERT
IRS	IRON ROD SET
LB	LICENSED BUSINESS
MH	MANHOLE
N.	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NDS	NAIL & DISK SET
NGS	NATIONAL GEODETIC SURVEY
NO	NUMBER
NOTAM	NOTICE TO AIR MISSIONS
N.T.S.	NOT TO SCALE
OH	OVERHEAD
PID	PARCEL IDENTIFICATION NUMBER
P/L	PROPERTY LINE
PSM	PROFESSIONAL SURVEYOR & MAPPER
PVC	POLYVINYL CHLORIDE
R/W	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
RNG	RANGE
SIRC	SET IRON ROD & CAP
SQ.FT.	SQUARE FEET
TOC	TOP OF CURB
TWN	TOWNSHIP
TYP.	TYPICAL
W	WEST
#	NUMBER

Sheet List Table

Sheet Number	Sheet Title
C002	GENERAL NOTES AND ABBREVIATIONS
C020	PROJECT LAYOUT PLAN
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C031	MAINTENANCE OF TRAFFIC PLAN
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IR1.0	IRRIGATION PLAN
IR1.1	IRRIGATION DETAILS PLAN
ES001	ELECTRICAL SITE GENERAL NOTES AND LEGEND
ES101	ELECTRICAL SITE DETAILS
ES201	ELECTRICAL SITE DETAILS

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REVISIONS

MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	ADD ELECTRICAL SHEETS TO THE TABLE.	11/15/24
2.	PERMIT COMMENTS.	
	ADD LANDSCAPE PLANS TO THE TABLE.	03/10/25
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

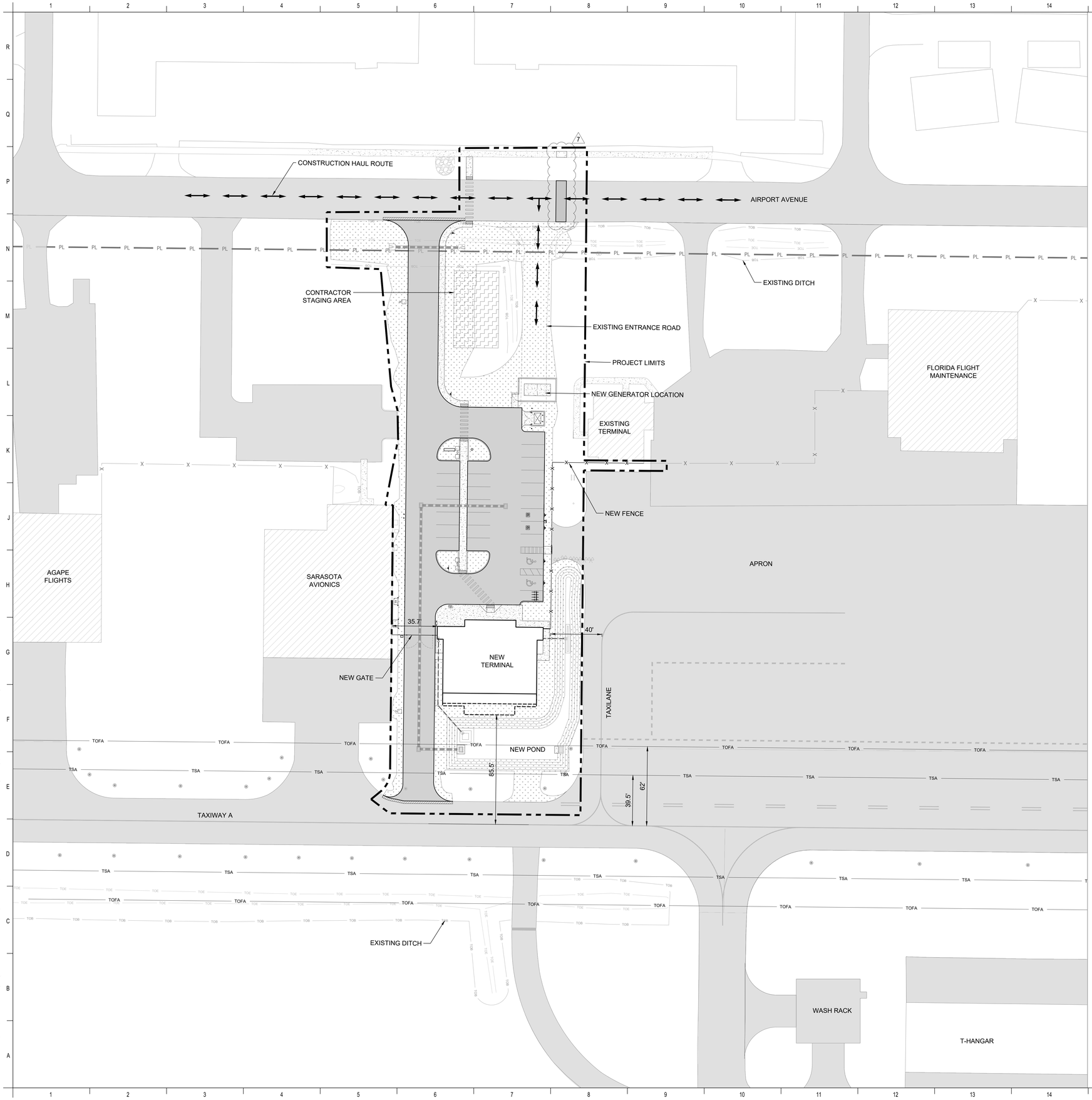
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

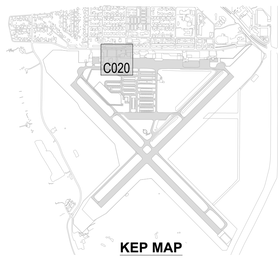
GENERAL NOTES AND ABBREVIATIONS

C002

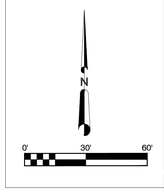
CONFORMED SET

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KEP MAP



LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW SOD
- CONSTRUCTION HAUL ROUTE
- NEW FENCE

GENERAL STAGING AREA AND HAUL ROUTE NOTES

1. REFER TO SAFETY AND SECURITY NOTES, SHEET C050 FOR PROCEDURES ON SECURING THE AIR OPERATION AREA (AOA) DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOT HAUL MATERIALS OR EQUIPMENT ACROSS ANY ACTIVE RUNWAY OR TAXIWAY WITHOUT A CONTRACTOR SUPPLIED FLAGMAN.
3. THE CONTRACTOR'S ACCESS TO THE CONSTRUCTION SITE AND HAUL ROADS ARE IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL NOT USE ANY ACCESS OR HAUL ROADS OTHER THAN THOSE APPROVED. THE CONTRACTOR MUST SUBMIT SPECIFIC PROPOSED ROUTES ASSOCIATED WITH CONSTRUCTION ACTIVITIES TO THE OWNER FOR EVALUATION AND APPROVAL AS PART OF THE SAFETY AND PHASING PLAN BEFORE BEGINNING CONSTRUCTION ACTIVITIES. THESE PROPOSED ROUTES MUST ALSO PROVIDE SPECIFICATIONS TO PREVENT INADVERTENT ENTRY TO MOVEMENT AREAS. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ENSURE THAT CONSTRUCTION TRAFFIC ON HAUL ROADS DOES NOT INTERFERE WITH AIRSPACE PROTECTION SURFACES OF OPERATIONAL RUNWAYS.
4. HAULING WILL BE REQUIRED ALONG EXISTING TAXIWAYS AND APRONS THROUGHOUT THE DURATION OF THE PROJECT. AT THE CONCLUSION OF EACH WORKDAY, PAVED PORTIONS ON OR ADJACENT TO THE HAUL ROUTE SHALL BE SWEPT WITH A VACUUM TRUCK AND CHECKED FOR FOREIGN OBJECT DEBRIS (FOD) PRIOR TO OPENING UP THE TAXIWAY OR APRON TO TRAFFIC. THE CONTRACTOR SHALL MAKE PROVISIONS TO HAVE A VACUUM TRUCK ON SITE AT ALL TIMES.
5. THE CONTRACTOR SHALL GIVE THE RIGHT OF WAY TO THE PUBLIC WHILE USING PUBLIC ROADS. THE CONTRACTOR SHALL NOT BLOCK ROADWAYS AND ACCESS TO BUSINESSES. THE CONTRACTOR SHALL PROVIDE FLAGMEN TO DIRECT TRAFFIC IF TRUCKS OR VEHICLES ARE TEMPORARILY PARKED ON PUBLIC OR AIRPORT OWNED ROADWAYS. MAINTENANCE OF TRAFFIC SHALL MEET ALL LOCAL REQUIREMENTS AND GUIDELINES.
6. THE CONTRACTOR SHALL GIVE THE RIGHT OF WAY TO ALL MOVING AIRCRAFT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES FOR IMPROPER OR ILLEGAL USE OF PUBLIC OR PRIVATE PROPERTY IN THE PERFORMANCE OF THIS WORK AT HIS/HER EXPENSE.
8. MOTORIZED VEHICLES AND EQUIPMENT OPERATING IN THE AOA SHALL NOT EXCEED THE POSTED SPEED LIMIT OR 15 MPH, WHICHEVER IS LESS.
9. VEHICULAR TRAFFIC CROSSING ACTIVE MOVEMENT AREAS MUST BE CONTROLLED EITHER BY TWO-WAY RADIO OR ESCORT. VEHICLE DRIVERS MUST CONFIRM BY PERSONAL OBSERVATION THAT NO AIRCRAFT IS APPROACHING THEIR POSITION.
10. THE CONTRACTOR SHALL ACQUIRE APPLICABLE PERMITS FROM LOCAL AGENCIES FOR ANY MODIFICATIONS TO THE STAGING AREA, SUCH AS SECURITY FENCING, GRADING AND DRAINAGE, OR INSTALLING UTILITIES SUCH AS WATER, SEWER, AND POWER. CONTRACTOR'S STAGING AREA, ACCESS ROADS, AND OTHER AREAS USED BY THE CONTRACTOR SHALL BE RETURNED TO ITS ORIGINAL CONDITION AFTER THE CONSTRUCTION IS COMPLETE AND ALL EQUIPMENT, TRAILERS, ETC. ARE REMOVED OFF THE AIRPORT PROPERTY. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICE FOR MOBILIZATION.
11. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING HIS/HER OWN UTILITIES, TEMPORARY FENCING, LIGHTING, AND OTHER ITEMS NECESSARY FOR THE STAGING AREA. THE COST FOR TEMPORARY UTILITIES AND LIGHTING SHALL BE INCLUDED IN THE BID UNIT PRICE FOR MOBILIZATION.
12. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THEIR STOCKPILE AND STAGING AREAS, EQUIPMENT, AND MATERIALS LOCATED ON AIRPORT PROPERTY.
13. TEMPORARY ROADS, HAUL ROADS, TRAFFIC AND WORK AREAS SHALL BE STABILIZED WITH DUST PALLIATIVE, PENETRATION ASPHALT, WOOD CHIPS, OR OTHER APPROVED MEASURES TO PREVENT DUST POLLUTION.

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(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

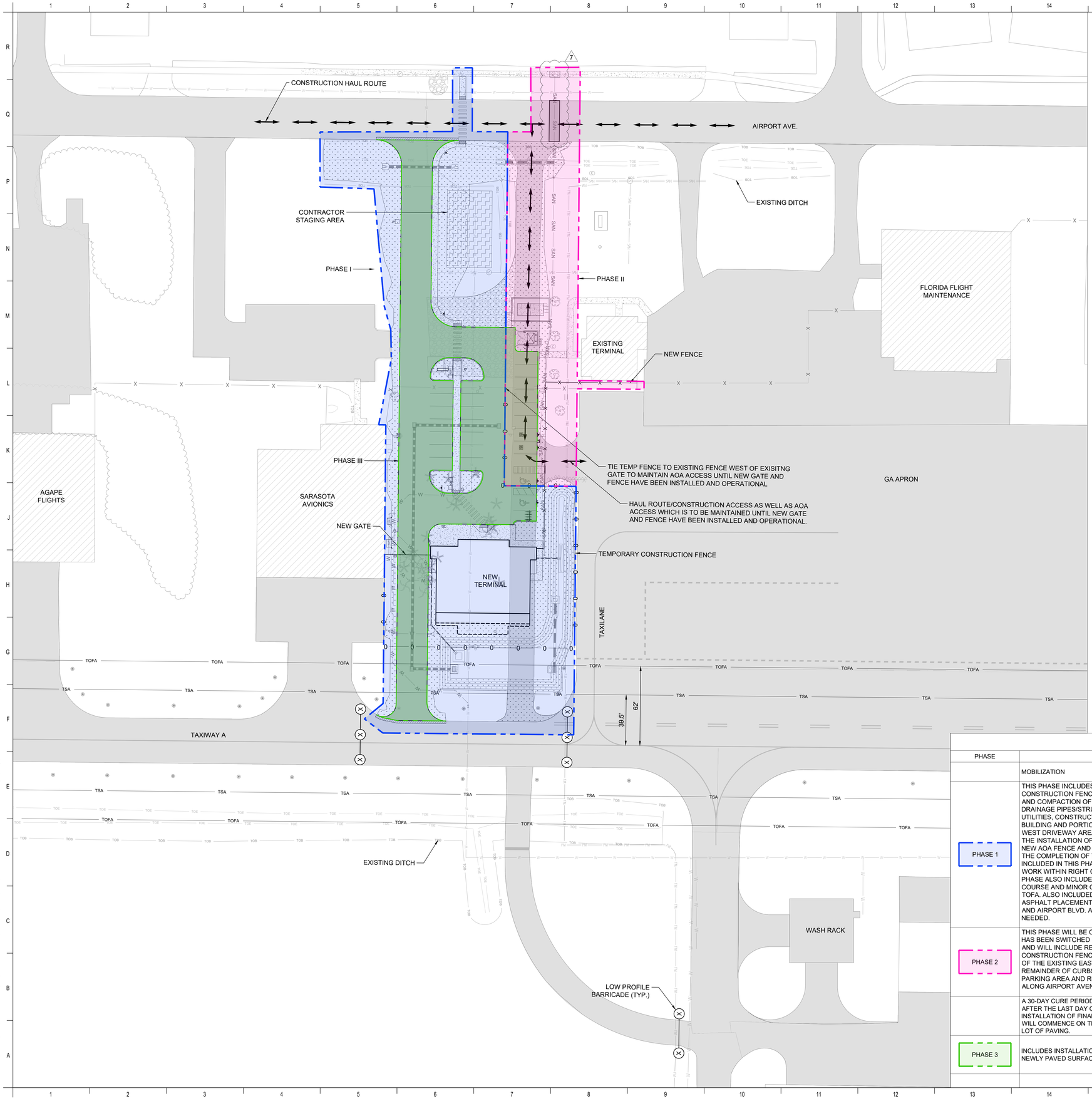
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

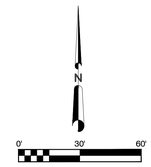
PROJECT LAYOUT PLAN

C020

CONFORMED SET

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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW FENCE
- PHASE 1 WORK AREA
- PHASE 2 WORK AREA
- PHASE 3 WORK AREA
- HAUL ROUTES/CONSTRUCTION ACCESS
- LOW PROFILE BARRICADE PREVENTING AIRCRAFT MOVEMENT

PHASING NOTES

1. SCHEMATIC PHASING PLANS ARE SHOWN HEREIN TO GIVE CONTRACTOR A GENERAL IDEA OF THE SEQUENCING OF WORK AND REQUIREMENTS FOR EACH ELEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL CREATE AND SUBMIT FOR APPROVAL HIS/HER OWN CONSTRUCTION PHASING PLAN SHOWING SPECIFIC DATES/DURATIONS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S PHASING PLAN SHALL FOLLOW THE GUIDELINES SET HEREIN, INCLUDING ADHERING TO APPROVED BARRICADE LOCATIONS AND HAUL ROUTES.
2. PHASING PLAN SUBMITTAL SHALL INCLUDE SPECIFIC DATES AND DURATIONS FOR EACH PHASE IDENTIFIED.
3. THE CONTRACTOR SHALL CLEAN AND RESTORE THE STAGING AREA AND ACCESS ROUTE IMMEDIATELY AFTER PROJECT COMPLETION.

PHASING TABLE

PHASE	DESCRIPTION	NOTES	DURATION
	MOBILIZATION	NO IMPACT TO AIRCRAFT TRAFFIC DURING THE MOBILIZATION PERIOD	60 CONSECUTIVE CALENDAR DAYS
PHASE 1	THIS PHASE INCLUDES INSTALLING TEMPORARY CONSTRUCTION FENCE. TOPSOIL STRIPPING, GRADING AND COMPACTION OF SUBGRADE, INSTALLATION OF DRAINAGE PIPES/STRUCTURES AND OTHER BURIED UTILITIES, CONSTRUCTION OF THE NEW TERMINAL BUILDING AND PORTIONS OF ASSOCIATED PARKING AND WEST DRIVEWAY AREAS. THIS PHASE ALSO INCLUDES THE INSTALLATION OF CURBS, AND BASE COURSE. THE NEW AOA FENCE AND GATE SHALL BE INSTALLED AFTER THE COMPLETION OF THE NEW TERMINAL BUILDING. ALSO INCLUDED IN THIS PHASE IS PARTIAL DITCH GRADING WORK WITHIN RIGHT OF WAY OF AIRPORT AVENUE. THIS PHASE ALSO INCLUDES THE INSTALLATION OF BASE COURSE AND MINOR GRADING WORK WITHIN TAXIWAY A TOFA. ALSO INCLUDED IN THIS PHASE WILL BE PARTIAL ASPHALT PLACEMENT TO INCLUDE TIE-INS AT TAXIWAY A AND AIRPORT BLVD. AND TEMPORARY MARKINGS AS NEEDED.	EXISTING AOA ACCESS TO REMAIN, NO IMPACT TO AIRCRAFT TRAFFIC DURING THIS PHASE. EXCEPT WHEN WORKING WITHIN TAXIWAY A TOFA, TAXIWAY A BETWEEN THE EAST SIDE OF SARASOTA AVIONICS AND THE WEST END OF THE GA APRON WILL BE CLOSED TO AIRCRAFT TRAFFIC DURING WORK WITHIN TAXIWAY A TOFA. HOWEVER, EARTHWORK EQUIPMENT SHALL NOT REMAIN WITHIN THE TOFA LIMIT IF NOT IN OPERATION.	120 CONSECUTIVE CALENDAR DAYS 7:00 AM TO 5:00 PM WORK WITHIN TAXIWAY A TOFA 7:00 PM TO 7:00 AM
PHASE 2	THIS PHASE WILL BE COMPLETED ONCE ALL AOA TRAFFIC HAS BEEN SWITCHED OVER TO THE NEW WEST ROADWAY AND WILL INCLUDE REMOVAL OF TEMPORARY CONSTRUCTION FENCE, TOPSOIL STRIPPING, DEMOLITION OF THE EXISTING EAST SERVICE ROAD ALONG WITH THE REMAINDER OF CURBS, BASE COURSE AND PAVING OF PARKING AREA AND REMAINDER OF RIGHT OF WAY WORK ALONG AIRPORT AVENUE.	EXISTING AOA ACCESS TO SHIFT TO WEST SIDE OF PROJECT, NO IMPACT TO AIRCRAFT TRAFFIC DURING THIS PHASE	15 CONSECUTIVE CALENDAR DAYS, 7:00 AM TO 5:00 PM
	A 30-DAY CURE PERIOD IS REQUIRED FOR THE ASPHALT AFTER THE LAST DAY OF PAVING AND PRIOR TO THE INSTALLATION OF FINAL MARKINGS. THE 30-DAY PERIOD WILL COMMENCE ON THE LAST COMPLETED AND ACCEPTED LOT OF PAVING.	NO IMPACT	30 CONSECUTIVE CALENDAR DAYS
PHASE 3	INCLUDES INSTALLATION OF FINAL PAVEMENT MARKING ON NEWLY PAVED SURFACES.	NO IMPACT TO AIRCRAFT TRAFFIC DURING THIS PHASE.	2 CONSECUTIVE CALENDAR DAYS
		TOTAL:	167 DAYS

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(PH.) 407-739-9000

REVISIONS

MARK	DESCRIPTION	DATE
2.	UPDATE TEMPORARY FENCE LOCATION	
	AND ADD PHASE 2.	12/20/24
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

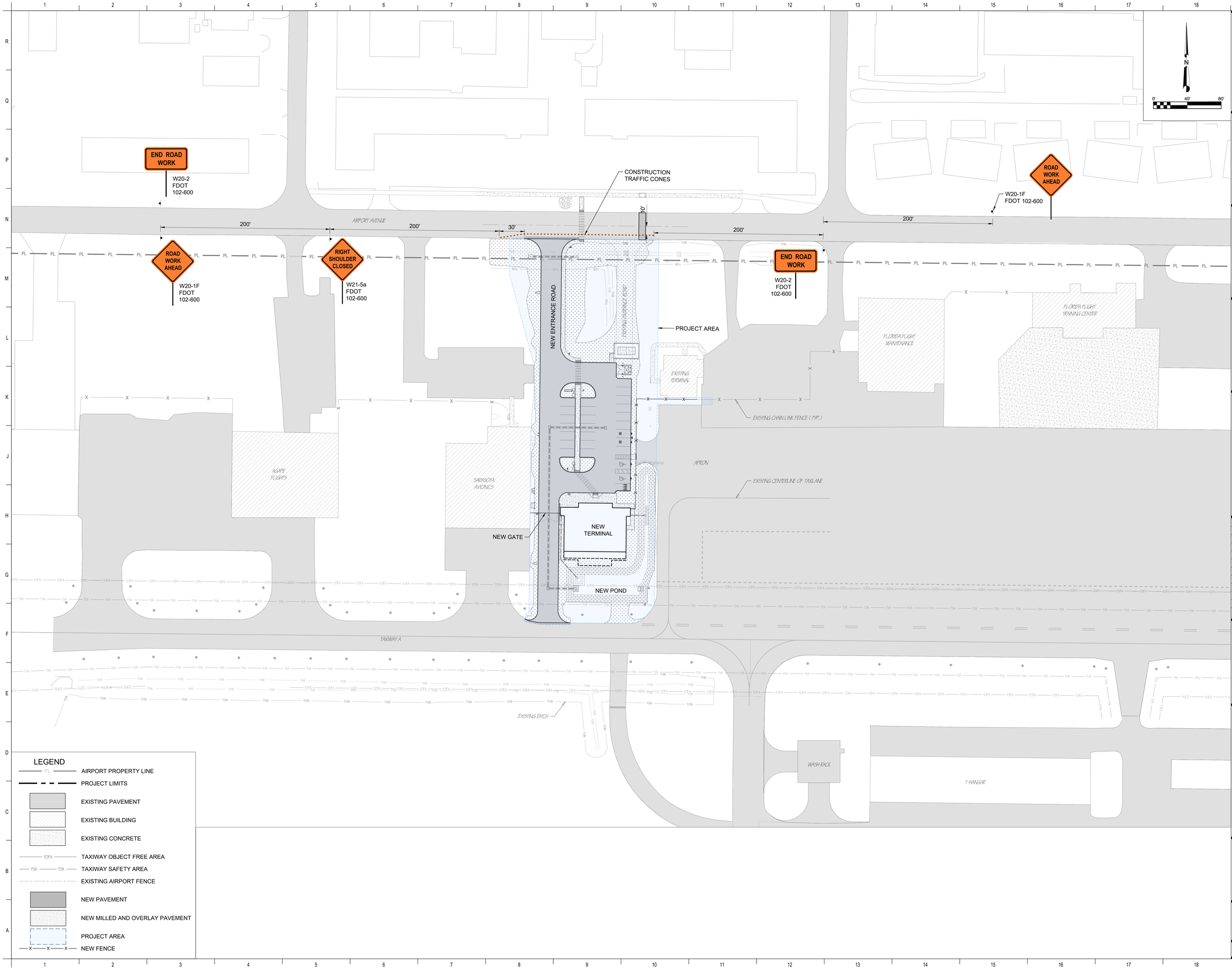
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

CONSTRUCTION SAFETY AND PHASING PLAN

C030

CONFORMED SET

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REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

MAINTENANCE OF TRAFFIC PLAN

C031

CONFORMED SET

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.

2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.

4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.

5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.

6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.

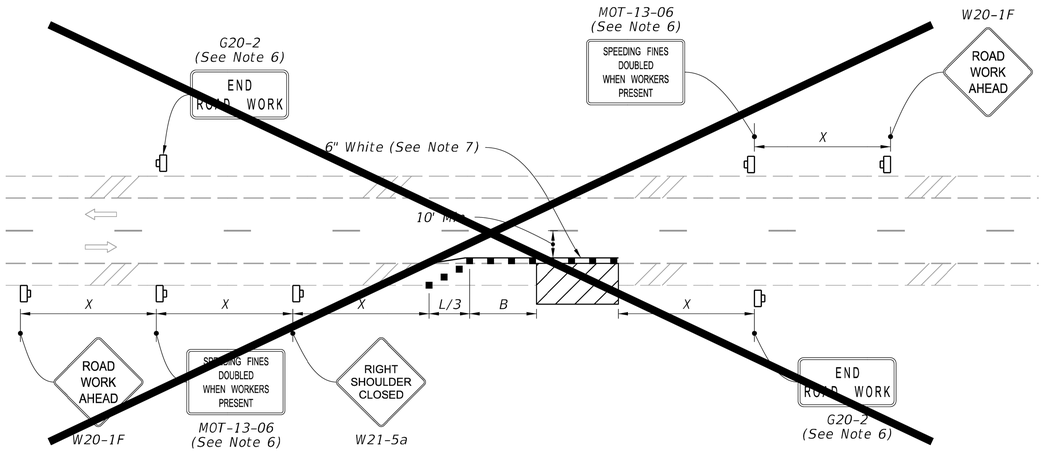
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.

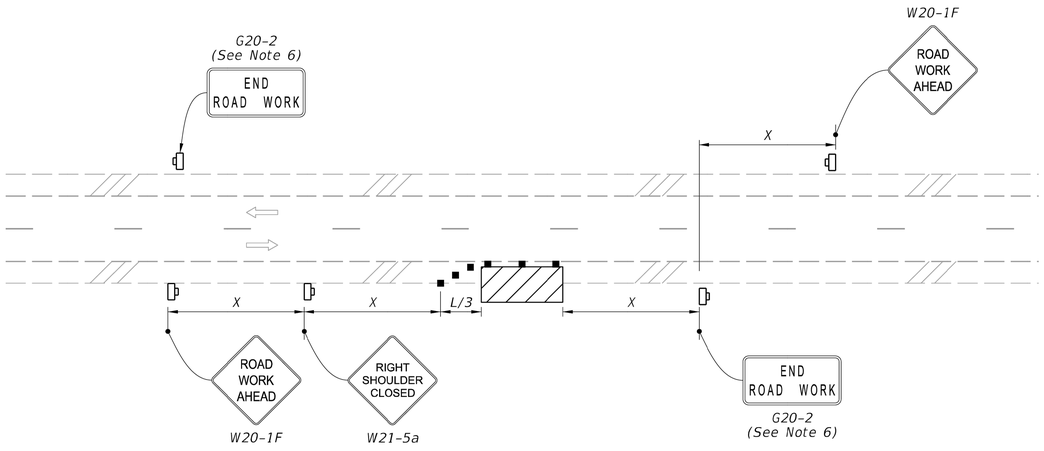
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FDOT FY 2023-24 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	102-602	1 of 2

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REVISIONS		
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5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: SEP. 16, 2025
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WORK ZONE TRAFFIC CONTROL

C032

CONFORMED SET

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SAFETY NOTES

1. THE CONTRACTOR SHALL BE FAMILIAR WITH THE FOLLOWING FAA SAFETY PROVISIONS AND IMPLEMENT THESE REQUIREMENTS DURING CONSTRUCTION. THE LATEST COPIES OF THESE GUIDELINES CAN BE OBTAINED FROM THE ENGINEER OR ON-LINE AT (HTP://WWW.FAA.GOV/REGULATIONS_POLICIES/).
   - FAA ADVISORY CIRCULAR AC 150/5370-2," OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
   - FAA ADVISORY CIRCULAR AC 150/5210-5," PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT".
   - CODE OF FEDERAL REGULATION , 14 CFR PART 77," SAFE, EFFICIENT USE, AND PRESERVATION OF THE NAVIGABLE AIRSPACE".
   - FAA ADVISORY CIRCULAR AC 150/5210-24," AIRPORT FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT".
2. THE CONTRACTOR SHALL COMPLY WITH THE SAFETY PLAN ASSOCIATED WITH THE CONSTRUCTION PROJECT AND ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SAFETY PROCEDURES AND REGULATIONS ON THE AIRPORT.
3. THE CONTRACTOR SHALL PROVIDE A POINT OF CONTACT WHO WILL COORDINATE AN IMMEDIATE RESPONSE TO CORRECT ANY CONSTRUCTION-RELATED ACTIVITY THAT MAY ADVERSELY AFFECT THE OPERATIONAL SAFETY OF THE AIRPORT.
4. THE CONTRACTOR SHALL PROVIDE A SAFETY OFFICER/CONSTRUCTION INSPECTOR FAMILIAR WITH AIRPORT SAFETY TO MONITOR CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL RESTRICT MOVEMENT OF CONSTRUCTION VEHICLES TO CONSTRUCTION AREAS BY FLAGGING AND BARRICADING, OR PROVIDING ESCORTS, AS APPROPRIATE. NO EMPLOYEES OF ANY CONTRACTOR, SUBCONTRACTOR, OR OTHER CONSTRUCTION PERSONNEL WILL BE PERMITTED TO OPERATE VEHICLES OR EQUIPMENT ON AIRPORT PROPERTY UNTIL THEY HAVE COMPLETED THE OWNER'S DRIVERS TRAINING COURSE. MORE INFORMATION IS AVAILABLE AT WWW.FLYVNC.COM.
6. CONTRACTOR SHALL ENSURE THAT NO EMPLOYEES, EMPLOYEES OF SUBCONTRACTORS, OR SUPPLIERS, OR OTHER PERSONS ENTER ANY PART OF THE AIR OPERATIONS AREAS (AOA) FROM THE CONSTRUCTION SITE UNLESS AUTHORIZED.
7. CONTRACTOR EMPLOYEES SHALL PARK AND SERVICE ALL CONSTRUCTION VEHICLES IN AN AREA DESIGNATED BY THE OWNER OUTSIDE THE RUNWAY SAFETY AREAS (RSA), TAXIWAY SAFETY AREAS (TSA) AND OBSTACLE FREE ZONE (OFZ) AND NEVER ON A CLOSED TAXIWAY OR RUNWAY. EMPLOYEES SHALL ALSO PARK CONSTRUCTION VEHICLES OUTSIDE THE OBJECT FREE AREA (OFA) WHEN NOT IN USE BY CONSTRUCTION PERSONNEL (E.G., OVERNIGHT, ON WEEKENDS, OR DURING OTHER PERIODS WHEN CONSTRUCTION IS NOT ACTIVE, NOR OBSTRUCT ANY RUNWAY VISUAL AIDS, SIGNS, OR NAVIGATIONAL AIDS). PERSONAL VEHICLES (POV'S) SHALL BE PARKED OUTSIDE OF THE AOA IN A PARKING AREA DESIGNATED BY THE AIRPORT.
8. CONTRACTOR PERSONNEL ENGAGED IN ACTIVITIES INVOLVING UNESCORTED OPERATION ON AIRCRAFT MOVEMENT AREAS SHALL OBSERVE THE PROPER PROCEDURES FOR COMMUNICATIONS INCLUDING USING APPROPRIATE RADIO FREQUENCIES. VNC CTAF/UNICOM FREQUENCY IS 122.725.
9. NO CONSTRUCTION MAY OCCUR WITHIN THE RSA WHILE THE RUNWAY IS OPEN FOR AIRCRAFT OPERATIONS.
10. THE CONTRACTOR SHALL PROMINENTLY MARK OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE WITH RED OR ORANGE FLAGS, AS APPROVED BY THE OWNER, AND LIGHT THEM WITH RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
11. OPEN TRENCHES OR EXCAVATIONS ARE NOT PERMITTED WITHIN THE RSA WHILE THE RUNWAY IS OPEN. IF THE RUNWAY MUST BE OPENED BEFORE EXCAVATIONS ARE BACKFILLED, COVER THE EXCAVATIONS APPROPRIATELY. COVERINGS FOR OPEN TRENCHES OR EXCAVATIONS MUST BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE HEAVIEST AIRCRAFT OPERATING ON THE RUNWAY.
12. CONSTRUCTION WITHIN THE TAXIWAY SAFETY AREA (TSA) AND TAXIWAY OBJECT FREE AREA (TOFA) SHALL NOT BE PERMITTED UNLESS THE TAXIWAY IS CLOSED.
13. THE CONTRACTOR SHALL SEPARATE THE CONSTRUCTION SITE AND NON-MOVEMENT AREAS IN WHICH NO PART OF AN AIRCRAFT MAY ENTER BY USING BARRICADES THAT ARE MARKED WITH DIAGONAL, ALTERNATING ORANGE AND WHITE STRIPES. BARRICADES SHALL BE FITTED WITH RED FLASHING LIGHTS AND SECURELY FASTENED TO ELIMINATE JET ENGINE INGESTION. SEE LOW PROFILE BARRICADE DETAIL, AT SHEET G202.
14. STOCKPILED MATERIALS AND EQUIPMENT STORAGE ARE NOT PERMITTED WITHIN THE RSA AND OFZ OF AN OPERATIONAL RUNWAY.THE CONTRACTOR SHALL ENSURE THAT STOCKPILED MATERIALS AND EQUIPMENT ADJACENT TO THESE AREAS ARE PROMINENTLY MARKED AND LIGHTED DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. THIS INCLUDES DETERMINING AND VERIFYING THAT MATERIALS ARE STORED AT AN APPROVED LOCATION TO PREVENT FOD AND ATTRACTION OF WILDLIFE.
15. THE CONTRACTOR MAY NOT USE OPEN-FLAME WELDING OR TORCHES UNLESS ADEQUATE FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THE OWNER HAS APPROVED THEIR USE.
16. WASTE AND LOOSE MATERIALS, COMMONLY REFERRED TO AS FOD, ARE CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEARS, PROPELLERS, AND JET ENGINES. THE CONTRACTOR SHALL NOT LEAVE OR PLACE FOD ON OR NEAR ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIALS TRACKED ONTO THESE AREAS MUST BE CONTINUOUSLY REMOVED DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO CAREFULLY CONTROL AND CONTINUOUSLY REMOVE WASTE OR LOOSE MATERIALS THAT MIGHT ATTRACT WILDLIFE.
17. ALL CONTRACTOR VEHICLES AND MOBILE EQUIPMENT OPERATING IN THE AOA SHALL BE IDENTIFIED BY THREE-FOOT (3') SQUARE ORANGE AND WHITE FLAGS, WHENEVER SUCH VEHICLE AND EQUIPMENT ARE OPERATING ON THE AOA. REFER TO THE SAFETY AND SECURITY NOTES AND DETAILS SHEET G202. IN ADDITION, SUCH VEHICLES AND EQUIPMENT SHALL HAVE THE CONTRACTOR'S NAME CLEARLY AFFIXED ON EACH SIDE OF SUCH VEHICLES AND EQUIPMENT. DURING THE HOURS BETWEEN SUNSET AND SUNRISE AND AT ALL TIMES WHEN VISIBILITY IS IMPAIRED, VEHICLES AND MOBILE EQUIPMENT SHALL ALSO BE EQUIPPED WITH A REVOLVING YELLOW BEACON LIGHT MOUNTED ON THE TOP OF THE VEHICLE OR EQUIPMENT. BEACON LIGHTS SHALL PROVIDE:
   - THREE HUNDRED AND SIXTY DEGREE AZIMUTH COVERAGE.
   - EFFECTIVE INTENSITY IN THE HORIZONTAL PLANE NOT LESS THAN 40 OR MORE THAN 400 CANDELAS.
   - BEAM SPREAD MEASURED TO 1/10 PEAK INTENSITY EXTENDING FROM TEN (10) DEGREES TO FIFTEEN (15) DEGREES ABOVE THE HORIZONTAL.
   - SIXTY (60) TO NINETY (90) FLASHES PER MINUTE.
18. THE USE OF A CRANE IS NOT ANTICIPATED FOR THIS PROJECT, AND AS SUCH, THERE HAS NOT BEEN AN APPROVED AIRSPACE STUDY FILED FOR THE USE OF A CRANE ON THIS PROJECT. IF THE CONTRACTOR INTENDS TO USE A CRANE FOR ANY PORTION OF WORK, THEY MUST GET PRIOR APPROVAL FROM THE OWNER AND ENGINEER SO THAT AN OBSTRUCTION EVALUATION CAN BE FILED WITH THE FAA. APPROVAL BY THE FAA TYPICALLY TAKES 90 DAYS.
19. WHEN ACCESS IS APPROVED BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL PROCEDURES OUTLINED IN THE APPROVAL NOTICE, INCLUDING IDENTIFYING THE TIP OF THE CRANE BOOM BY AN ORANGE AND WHITE FLAG AND, IF APPROPRIATE, BY RED OBSTRUCTION LIGHTS AND LOWERED AT NIGHT.
20. DURING PERIODS OF SEVERE WEATHER CONDITIONS OR OTHER OPERATIONAL EMERGENCIES, THE OWNER MAY DIRECT THE CONTRACTOR TO RELINQUISH AREAS UNDER CONSTRUCTION AND TO PREPARE THE AREAS FOR AIRCRAFT OPERATIONS. IN THIS EVENT THE ENGINEER WILL SO DIRECT THE CONTRACTOR TO EVACUATE THE AREA AND THE ENGINEER WILL SPECIFY THE EVACUATION LIMITS, THE TERM OF EVACUATION AND THE CONDITIONS GOVERNING THE RESTORATION WORK NECESSARY TO PREPARE THE AREA FOR AIRCRAFT OPERATION. THE CONTRACTOR SHALL PROMPTLY AND FULLY COMPLY WITH THE ENGINEER'S DIRECTIVE. SHOULD THE DIRECTIVE ENTAIL EXTRA WORK UNDER THE CONTRACT, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR WILL BE REIMBURSED FOR SUCH EXTRA WORK. SHOULD THE DIRECTIVE ENTAIL A DELAY IN THE COMPLETION OF THE CONTRACT OR ANY DEFINED SUBDIVISION OF THE CONTRACT, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR MAY BE GRANTED AN EXTENSION OF TIME.
21. VEHICULAR TRAFFIC SHALL NOT CROSS ACTIVE AIRCRAFT MOVEMENT AREAS (RUNWAYS, TAXIWAYS, OR AIRCRAFT PARKING APRON) WITHOUT THE USE OF A QUALIFIED FLAGMEN FAMILIAR WITH AIRPORT OPERATIONS AND MANNED WITH A TWO-WAY RADIO TUNED TO VNC UNICOM FREQUENCY 122.725. SEE CONSTRUCTION ACCESS AND STAGING PLANS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACTIONS OF EMPLOYEES AND SUBCONTRACTORS. PERSONNEL WHO DO NOT ABIDE BY AIRPORT RULES AND REGULATIONS ARE SUBJECT TO REMOVAL FROM THE PROJECT AT A MINIMUM AND PROSECUTION AT A MAXIMUM.
23. ALL ACCIDENTS CAUSING PERSONAL INJURY OR PROPERTY DAMAGE SHALL BE REPORTED TO THE OWNER IMMEDIATELY. THE CONTRACTOR(S) SHALL PROVIDE, AT THE SITE, SUCH EQUIPMENT AND MEDICAL FACILITIES AS ARE NECESSARY TO SUPPLY FIRST AID SERVICE TO ANYONE WHO MAY BE INJURED IN CONNECTION WITH THE PERFORMANCE OF THE WORK, WHETHER ON OR ADJACENT TO THE SITE. IN ADDITION, IF DEATH OR SERIOUS INJURIES OR SERIOUS DAMAGES ARE CAUSED, THE ACCIDENT SHALL BE REPORTED IMMEDIATELY BY TELEPHONE TO 911 DISPATCH.
24. THE CONTRACTOR'S EMPLOYEES MUST HAVE A VALID GOVERNMENTAL IDENTIFICATION ON THEIR PERSON AT ALL TIMES. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL RESULT IN THE EMPLOYEE BEING ESCORTED OFF THE AOA AND FINES MAY BE IMPOSED AT THE CONTRACTOR'S EXPENSE.
25. ANY DELAY IN THE CONSTRUCTION OF PROJECT DUE TO VIOLATION OF FEDERAL AND AIRPORT REGULATIONS SHALL BE ABSORBED BY THE CONTRACTOR.

SAFETY PLAN COMPLIANCE DOCUMENT:

1. THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE OWNER PRIOR TO NOTICE-TO-PROCEED DESCRIBING HOW IT WILL COMPLY WITH THE REQUIREMENTS OF THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) AND SUPPLYING ANY DETAILS THAT COULD NOT BE DETERMINED BEFORE CONTRACT AWARD. THE SPCD MUST INCLUDE A CERTIFICATION STATEMENT BY THE CONTRACTOR THAT INDICATES HE/SHE UNDERSTANDS THE OPERATIONAL SAFETY REQUIREMENTS OF THE CSPP AND HE/SHE ASSERTS HE/SHE WILL NOT DEVIATE FROM THE APPROVED CSPP AND SPCD UNLESS WRITTEN APPROVAL IS GRANTED BY THE AIRPORT DIRECTOR. ANY CONSTRUCTION PRACTICE PROPOSED BY THE CONTRACTOR THAT DOES NOT CONFORM TO THE CSPP AND SPCD MAY IMPACT THE AIRPORT'S OPERATIONAL SAFETY AND WILL REQUIRE A REVISION TO THE CSPP AND SPCD, AND RECOORDINATION WITH THE OWNER AND THE FAA IN ADVANCE.
2. THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES COPIES OF THE CSPP AND SPCD FOR REFERENCE BY THE OWNER AND ITS REPRESENTATIVES, AND BY SUBCONTRACTORS AND CONTRACTOR EMPLOYEES. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SAFETY PROCEDURES AND REGULATIONS ON THE AIRPORT AND SHALL PROVIDE A POINT OF CONTACT WHO WILL COORDINATE AN IMMEDIATE RESPONSE TO CORRECT ANY CONSTRUCTION-RELATED ACTIVITY THAT MAY ADVERSELY AFFECT THE OPERATIONAL SAFETY OF THE AIRPORT.
3. THE CONTRACTOR SHALL IDENTIFY IN THE SPCD THE CONTRACTOR'S ON-SITE EMPLOYEES RESPONSIBLE FOR MONITORING COMPLIANCE WITH THE CSPP AND SPCD DURING CONSTRUCTION. AT LEAST ONE OF THESE EMPLOYEES MUST BE ONSITE WHENEVER ACTIVE CONSTRUCTION IS TAKING PLACE.
4. THE CONTRACTOR SHALL CONDUCT INSPECTIONS SUFFICIENTLY FREQUENTLY TO ENSURE CONSTRUCTION PERSONNEL COMPLY WITH THE CSPP AND SPCD AND THAT THERE ARE NO ALTERED CONSTRUCTION ACTIVITIES THAT COULD CREATE POTENTIAL SAFETY HAZARDS.

SECURITY NOTES:

1. IN ACCORDANCE WITH THE CONSTRUCTION PHASING PLANS, THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, A SECURED AIR OPERATIONS AREA (AOA).
2. THE CONTRACTOR'S ACCESS TO THE SITE SHALL BE THROUGH THE MANUAL GATE NEAR THE STAGING AREA AS SHOWN ON THE PLANS. NO OTHER ACCESS POINTS SHALL BE ALLOWED UNLESS APPROVED BY THE OWNER. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE SHALL BE EXPERIENCED IN THE ROUTE OR GUIDED BY THE CONTRACTOR PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON AIRPORT PROPERTY.
3. THE CONTRACTOR ACCESS GATE DESIGNATED FOR USE MAY BE UTILIZED BY OTHER CONTRACTORS OR BY AIRPORT STAFF DURING THIS PROJECT. THE CONTRACTOR IS REQUIRED TO COORDINATE ACCESS WITH ALL PARTIES.
4. ALL ACCESS GATES SHALL BE NORMALLY CLOSED AND SECURED DURING CONSTRUCTION AS WELL AS MANNED AT ALL TIMES WHILE THE GATE IS OPEN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS CONDUCTED IN A SAFE AND SECURE MANNER AND IS IN COMPLIANCE WITH THE CSPP.

DEFINITIONS:

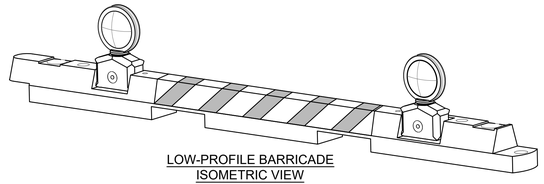
OBJECT FREE AREA (OFA)
AN AREA ON THE GROUND CENTERED ON THE RUNWAY, TAXIWAY, OR TAXILANE CENTERLINE PROVIDED TO ENHANCE SAFETY OF AIRCRAFT OPERATIONS BY HAVING THE AREA FREE OF OBJECTS EXCEPT FOR THOSE OBJECTS THAT NEED TO BE LOCATED IN THE OFA FOR AIR NAVIGATION OR AIRCRAFT GROUND MANEUVERING PURPOSES. NO PERSONNEL, EQUIPMENT, OR VEHICLES SHALL ENTER ANY ACTIVE TAXIWAY OFA WITHOUT ANNOUNCING OVER GROUND CONTROL FREQUENCY AND VISUALLY CONFIRMING NO CONFLICT WITH AIRCRAFT ON THE GROUND OR IN THE AIR.

OBSTACLE-FREE ZONE (OFZ)
THE AIRSPACE ALONG THE RUNWAY AND EXTENDED RUNWAY CENTERLINE THAT IS REQUIRED TO BE CLEAR OF ALL OBJECTS, EXCEPT FOR FRANGIBLE VISUAL NAVAIDS THAT NEED TO BE LOCATED IN THE OFZ BECAUSE OF THEIR FUNCTION, IN ORDER TO PROVIDE CLEARANCE PROTECTION FOR AIRCRAFT LANDING OR TAKING OFF FROM THE RUNWAY AND FOR MISSED APPROACHES. WORK WITHIN THE OFZ IS ONLY PERMITTED DURING PERIODS OF THE RUNWAY CLOSURE.

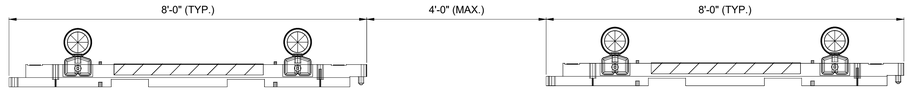
PART 77 SURFACES
IMAGINARY SURFACES WITH THE PRIMARY SURFACES CENTERED ALONG THE RUNWAY CENTERLINE PLUS TRANSITIONAL SURFACES THAT LIMIT THE HEIGHTS OF OBSTRUCTIONS, INCLUDING CONSTRUCTION EQUIPMENT.

RUNWAY SAFETY AREA (RSA)
A DEFINED SURFACE SURROUNDING THE RUNWAY PREPARED OR SUITABLE FOR REDUCING THE RISK OF DAMAGE TO AIRPLANES IN THE EVENT OF AN UNDERSHOOT, OVERSHOOT, OR EXCURSION FROM THE RUNWAY. WORK WITHIN THESE LIMITS SHALL BE LIMITED TO PERIODS OF RUNWAY CLOSURE, WHICH SHALL GENERALLY OCCUR AT NIGHT FROM 11PM TO 5AM.

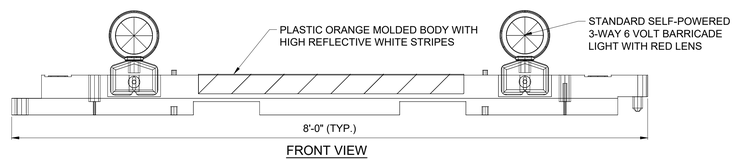
TAXIWAY SAFETY AREA (TSA)
A DEFINED SURFACE ALONGSIDE THE TAXIWAY PREPARED OR SUITABLE FOR REDUCING THE RISK OF DAMAGE TO AN AIRPLANE UNINTENTIONALLY DEPARTING THE TAXIWAY. NO WORK SHALL OCCUR WITHIN ANY ACTIVE TAXIWAY SAFETY AREA. TAXIWAYS SHALL BE CLOSED IN ACCORDANCE WITH THE SAFETY AND SECURITY NOTES AND DETAILS CONTAINED HEREIN FOR ANY WORK REQUIRED WITHIN THE TSA.



LOW-PROFILE BARRICADE
ISOMETRIC VIEW



BARRICADE SPACING



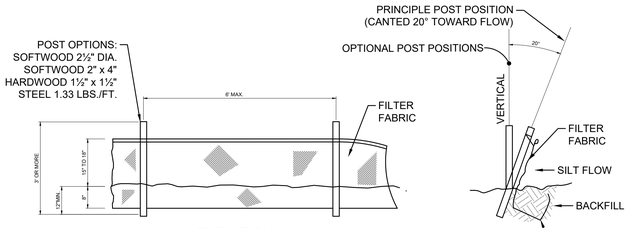
FRONT VIEW

SIDE VIEW

1 LOW-PROFILE BARRICADE DETAIL
N.T.S.

BARRICADE NOTES

1. BARRICADES SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS, TO PROTECT THE WORK AREA, OR AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE. EACH BARRICADE IS TO REMAIN IN PLACE FOR THE DURATION OF THE PHASE, AS INDICATED ON DRAWING G301 TO G304. BARRICADES SHALL BE INSTALLED AT THE BEGINNING OF EACH PHASE AND REMAIN IN PLACE THROUGHOUT THE PHASE. IF THE CONTRACTOR REQUIRES TEMPORARY REMOVAL OF THE BARRICADES (TO ALLOW CONSTRUCTION TRAFFIC INTO OR OUT OF THE CONSTRUCTION AREA OR TO COMPLETE CONSTRUCTION AT THE PHASE BOUNDARY); THE CONTRACTOR SHALL PROVIDE A FLAGMAN TO PREVENT AIRCRAFT, VEHICLE, OR EQUIPMENT FROM INADVERTENTLY TRAVELING INTO THE CONSTRUCTION AREA UNTIL THE BARRICADE IS REPLACED IN ITS ORIGINAL LOCATION.
2. LOW-PROFILE BARRICADES SHALL CONFORM TO FAA AC 150/5340-1M AND 150/5370-2G SPECIFICATIONS. BARRICADE SEGMENTS MAY BE LOCKED CONTINUALLY OR AT OWNERS DISCRETION OPTIONALLY SPACED WITH A 4' MAX. GAP. SHOULD INTERNAL WATER OR SAND BALLAST NOT PROVIDE ADEQUATE STABILIZATION, BARRICADES SHALL BE WEIGHTED DOWN WITH SANDBAGS TO PREVENT MOVEMENT FROM PROP WASH OR JET BLAST.
3. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND THE BARRICADE LINE SHALL EXTEND TO THE EDGES OF PAVEMENT OR AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE.
4. COST OF FURNISHING, MAINTAINING, AND REMOVING THE BARRICADES AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE, SHALL BE INCLUDED IN SAFETY, SECURITY AND MAINTENANCE OF AIRFIELD OPERATIONS PAY ITEM, P-102-1.
5. ALL STEADY BURN LOW PROFILE BARRICADE LIGHTS MUST REMAIN OPERABLE DURING PERIODS OF LOW VISIBILITY AND DARKNESS.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MAINTENANCE OF BARRICADES INCLUDING LIGHTS DURING CONSTRUCTION. ALL LIGHTS SHALL BE KEPT IN OPERABLE CONDITION. SANDBAGS SHALL BE REPLACED WHEN EXHIBITING SIGNS OF DISINTEGRATION AND ANY LOOSE SAND FROM THE BAGS SHALL BE REMOVED FROM THE PAVEMENT SURFACE.
7. DETAIL OF LOW-PROFILE BARRICADE SHOWN AS AN EXAMPLE. OTHER DETAILS OF LOW-PROFILE BARRICADES (e.g. HALVED PVC PIPE) MAY BE APPROVED BY THE RESIDENT PROJECT REPRESENTATIVE.



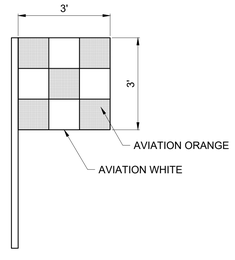
ELEVATION

SECTION

NOTES:
FOR EACH END POST, FABRIC SHALL BE FOLDED AROUND TWO (2) POSTS ONE (1) FULL TURN AND SECURED WITH FOUR (4) STAPLES.

STEEL 1.33 LBS/FT MIN.) POST OPTIONS: WOOD 2"X4" OR 2 1/2" DIA.

6 SILT FENCE
N.T.S.



NOTE:
1. ALL VEHICLES SHALL BE EQUIPPED WITH A FLAG WHILE IN THE AOA
2. SEE SAFETY NOTES FOR CONSTRUCTION SAFETY FLAG MOUNTING LOCATION REQUIREMENT

2 CONSTRUCTION SAFETY FLAG
N.T.S.

EROSION/TURBIDITY CONTROL NOTES

1. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE ECONOMICAL, EFFECTIVE, AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
2. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL USUALLY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR HAY BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHALL BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.
3. CONSTRUCTION OPERATIONS IN OR ADJACENT TO THE WETLANDS SHALL BE RESTRICTED TO THOSE AREAS IDENTIFIED IN THE PLANS AND IN THE SPECIFICATIONS.
4. EXCEPT AS NECESSARY FOR CONSTRUCTION, EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN WETLANDS OR NEAR BY AREAS SUBJECT TO WASH AWAY BY HIGH WATER OR RUNOFF.
5. WHERE PUMPS ARE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER SHALL BE TREATED PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE BUT ARE NOT LIMITED TO, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS, SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
6. THE CONTRACTOR SHALL SCHEDULE HIS/HER OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE EARTH EXPOSED AT ANY ONE TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATIONS, AND THE DURATION OF EXPOSED, UNCOMPLETED CONSTRUCTION TO THE ELEMENTS SHALL BE AS SHORT AS PRACTICABLE. CLEARING AND GRUBBING SHALL BE SO SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATIONS CAN FOLLOW IMMEDIATELY THEREAFTER, AND GRADING OPERATIONS SHALL BE SCHEDULED AND PERFORMED SUCH THAT PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER IF CONDITIONS ON THE PROJECT PERMIT.
7. THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL ALTERED SOILS ARE STABILIZED.
8. THE CONTRACTOR SHALL REGULARLY INSPECT DITCHES ADJACENT TO CONSTRUCTION AREAS AND CLEAN AND DE-SILT DITCH BOTTOMS AS NECESSARY THROUGH CONSTRUCTION.
9. INLET AND PIPE PROTECTION MEASURES DEPICTED SHALL BE INSTALLED FOR BOTH THE EXISTING AND PROPOSED DRAINAGE FEATURES. THE CONTRACTOR SHALL DE-SILT ANY PIPE AT THE CONCLUSION OF THE CONSTRUCTION THAT MAY HAVE BECOME CLOGGED DUE TO CONSTRUCTION ACTIVITIES.

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WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

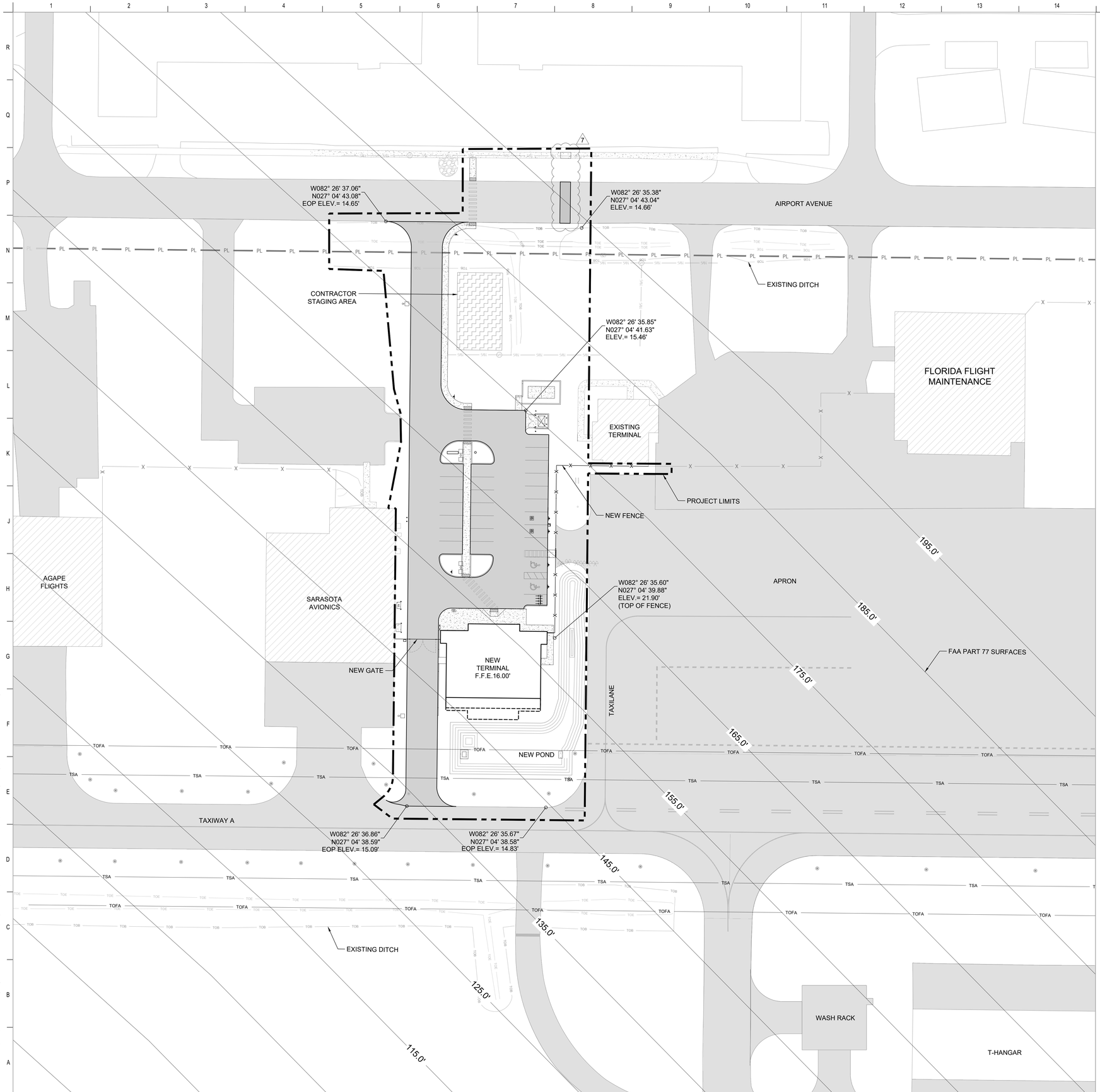
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

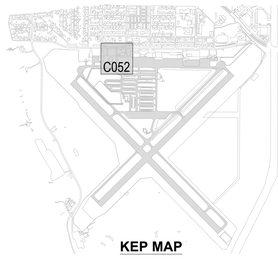
SAFETY SECURITY NOTES AND DETAILS

C050

CONFORMED SET

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KEP MAP

N

0' 30' 60'

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW FENCE

SAFETY NOTES:

1. PERSONNEL AND EQUIPMENT SHALL NOT ENTER THE AIRFIELD MOVEMENT AREA WITHOUT PRIOR APPROVAL OF THE CONSTRUCTION MANAGER, AND AIRPORT OPERATIONS.
2. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT AND STOCKPILED MATERIALS IS GOVERNED BY THE FAA ADVISORY CIRCULAR (AC) 150/5370-2, CURRENT EDITION. WHEN EQUIPMENT IS EXPECTED TO PENETRATE THE FAR PART 77 SURFACE (FOR ANY RUNWAY IN OPERATION) OR WHEN CRANES WILL BE USED ON SITE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST NINETY (90) DAYS PRIOR TO START OF CONSTRUCTION TO COORDINATE THE SUBMITTAL OF FAA FORM 7460-1 TO THE FAA AIRPORT DISTRICT OFFICE. PERMISSION TO USE CRANES SHALL BE ISSUED BY THE ENGINEER AFTER APPROVAL BY THE FAA. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ANY AND ALL FAA FINES INCURRED FOR OPERATING CRANES WITHOUT FAA APPROVAL. TWENTY-FOUR (24) HOURS NOTICE SHALL BE GIVEN TO THE AIRPORT PRIOR TO CRANE DEPLOYMENT. NO TIME EXTENSION WILL BE GRANTED FOR INADEQUATE NOTICE FOR USE OF A CRANE.
3. WORK WITHIN THE SAFETY AND OBJECT FREE AREAS WILL REQUIRE CLOSURE OF THE RUNWAY/TAXIWAY TO AIR TRAFFIC. A NOTAM MUST BE FILED BY THE AIRPORT MANAGEMENT AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF CLOSING RUNWAYS AND TAXIWAYS TO AIR TRAFFIC. THE CONTRACTOR SHALL NOTIFY AIRPORT MANAGEMENT AND CONSTRUCTION MANAGER WITH SUFFICIENT LEAD TIME FOR FILING A NOTAM.
4. ELEVATIONS SHOWN HEREIN INDICATE THE AVAILABLE HEIGHT ABOVE THE EXISTING GROUND UNLESS OTHERWISE NOTED.
5. FAA PART 77 IMAGINARY AIRSPACE CONTOUR ELEVATION (TYP.), THE CONTOURS REPRESENT THE ALLOWABLE HEIGHT OF OBJECTS INCLUDING CONSTRUCTION EQUIPMENT RELATIVE TO THE RESPECTIVE RUNWAY CENTERLINE ELEVATION WHILE THE RUNWAY REMAINS OPEN. PENETRATIONS INTO THE SURFACES REQUIRE CLOSURE OF THE RUNWAY AND MUST BE COORDINATED WITH THE FAA AND THE AIRPORT WELL IN ADVANCE OF CLOSURE.

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09/16/2025

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REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

AIRSPACE PROTECTION PLAN

C052

CONFORMED SET

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AIRPORT AVENUE

PROJECT LIMITS

FLORIDA FLIGHT MAINTENANCE

DUMPSTER PAD

TERMINAL BUILDING

P-1

P-2

P-3

P-4

P-5

B-1

B-2

B-3

AGAPE FLIGHTS

SARASOTA AVIONICS

APRON

TAXIWAY A

WASH RACK

T-HANGAR

N

0' 30' 60'

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- EXISTING GRAVEL
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING FENCE
- EXISTING PALM TREE
- EXISTING OAK TREE
- EXISTING TREE
- EXISTING PINE TREE
- EXISTING TOE
- EXISTING TOP OF BANK
- APPROXIMATE LOCATION OF 20' SPT BORING
- APPROXIMATE LOCATION OF 1' SPT BORING

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NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

BORING LOCATION PLAN

C060

CONFORMED SET

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Boring Log No. B-1

Location: See Exploration Plan

Latitude 27.0777° Longitude: -82.4434°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, gray to brown					
	4.0					
	POORLY GRADED SAND (SP), fine grained, brown, medium dense	▽		4-4-4-3 N=8	19.8	3
	6.0					
1	POORLY GRADED SAND WITH SILT (SP-SM) fine grained, brown to gray, medium dense			3-5-4-6 N=9		
				7-10-9-9 N=19		
				7-7-8 N=15		
	17.5					
2	POORLY GRADED SAND WITH SILT (SP-SM) fine grained, brown to gray, medium dense			5-6-6 N=12		
	20.0					
	Boring Terminal at 20 feet					

Boring Log No. B-2

Location: See Exploration Plan

Latitude 27.0776° Longitude: -82.4435°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, brown to gray, medium dense					
		▽		6-6-5-5 N=11		
1				2-2-3-4 N=5	25.1	11
				7-6-6-8 N=12		
				10-10-13 N=23		
	17.5					
2	SILTY SAND (SM) gray, medium dense with shell fragments and trace sand-sized			9-5-7 N=12		
	20.0					
	Boring Terminal at 20 feet					

Boring Log No. B-3

Location: See Exploration Plan

Latitude 27.0776° Longitude: -82.4434°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, light to gray to light brown, medium dense					
		▽		4-3-5-7 N=8		
1				4-4-5-6 N=9	30.0	5
				4-4-5-6 N=9		
				8-12-11 N=23		
	17.5					
2	SILTY SAND (SM) gray, loose with shell fragments			2-2-6 N=8		
	20.0					
	Boring Terminal at 20 feet					

Boring Log No. P-1

Location: See Exploration Plan

Latitude 27.0781° Longitude: -82.4435°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, brown, loose to medium dense					
		▽		4-3-3-4 N=6		
1				4-3-5-4 N=8		
				6-7-10-13 N=17		
	10.0					
	Boring Terminal at 20 feet					

Boring Log No. P-2

Location: See Exploration Plan

Latitude 27.0781° Longitude: -82.4435°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, light brown to brown					
	4.0					
	POORLY GRADED SAND (SP), fine grained, brown, medium dense	▽		4-5-5-6 N=10		
1	6.0					
	POORLY GRADED SAND WITH SILT (SP-SM) fine grained, brown, medium dense			4-4-6-6 N=10		
				4-5-6-7 N=11		
	10.0					
	Boring Terminal at 20 feet					

Boring Log No. P-3

Location: See Exploration Plan

Latitude 27.0779° Longitude: -82.4435°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, gray to brown, medium dense					
		▽		3-5-7-10 N=12		
1				9-10-10-10 N=20		
				5-6-6-7 N=12		
	10.0					
	Boring Terminal at 20 feet					

Boring Log No. P-4

Location: See Exploration Plan

Latitude 27.0777° Longitude: -82.4436°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, gray to brown, medium dense					
		▽		3-4-4-5 N=8		
1	-with shell fragments			10-10-10-9 N=20		
				8-9-6-10 N=15		
	10.0					
	Boring Terminal at 20 feet					

Boring Log No. P-5

Location: See Exploration Plan

Latitude 27.0777° Longitude: -82.4433°

Model Layer	Depth (Ft.)	Water Leave Observations	Sample Type	Field Test Results	Water Content (%)	Percent Fines
	POORLY GRADED SAND WITH SILT (SP-SM), fine grained, dark brown to light brown, medium dense				10.1	6
		▽		6-7-6-5 N=13		
1				9-9-11-12 N=20		
				6-7-6-7 N=13		
	10.0					
	Boring Terminal at 20 feet					

SOIL PROFILES

VNC New Terminal
150 Airport Avenue East I Venice, FL
Terracon Project No. HC225141

Terracon
8260 Vico Ct, Unit B
Sarasota, FL

See **Exploration and Testing** Procedures for a description of field and laboratory procedures used and additional data (If any).
See **Supporting Information** for explanation of symbols and abbreviations.

Water leave Observations
▽ At 5' while sampling

Drill Rig
Truck

Hammer Type
Automatic

Notes
Begin mud rotary at 6 feet.

Hand-augured upper 4 feet due to close proximity of buried utilities.

Advancement Method
Mud rotary
Continuous sampling upper 10 feet
Samples 5 foot intervals thereafter

Abandonment Method
Boring backfilled with cement grout upon completion

Driller
G.W.

Logged by

Boring Started
07-09-2023
Boring Completed
07-09-2023

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REVISIONS		
MARK	DESCRIPTION	DATE
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NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

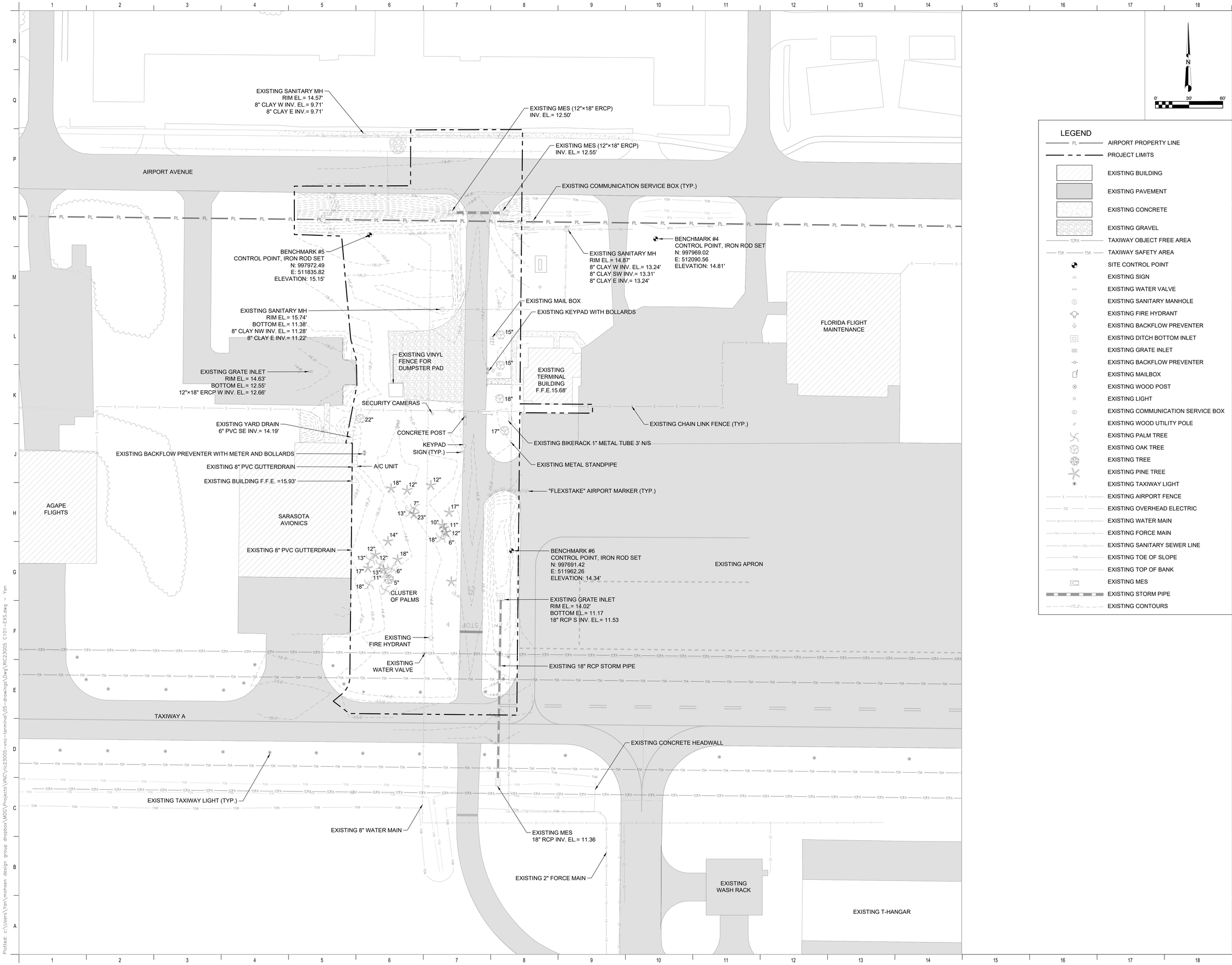
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

GEOTECHNICAL BORING LOG

C061

CONFORMED SET

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LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- EXISTING GRAVEL
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- SITE CONTROL POINT
- EXISTING SIGN
- EXISTING WATER VALVE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING GRATE INLET
- EXISTING BACKFLOW PREVENTER
- EXISTING MAILBOX
- EXISTING WOOD POST
- EXISTING LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING WOOD UTILITY POLE
- EXISTING PALM TREE
- EXISTING OAK TREE
- EXISTING TREE
- EXISTING PINE TREE
- EXISTING TAXIWAY LIGHT
- EXISTING AIRPORT FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING WATER MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER LINE
- EXISTING TOE OF SLOPE
- EXISTING TOP OF BANK
- EXISTING MES
- EXISTING STORM PIPE
- EXISTING CONTOURS

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PROFESSIONAL ENGINEER

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(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

EXISTING CONDITIONS

C101

CONFORMED SET

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DEMOLISH EXISTING 12"×18" ERCP
DEMOLISH EXISTING MES (12"×18" ERCP) INV. EL.= 12.50'
REMOVE 8 LF OF EXISTING SIDEWALK TO CONNECT TO EXISTING SANITARY SEWER MAIN
8' OPEN-CUT EXISTING PAVEMENT TO INSTALL 6" SANITARY SEWER LINE
7
DEMOLISH EXISTING MES (12"×18" ERCP) INV. EL.= 12.55'
AIRPORT AVENUE
EXISTING COMMUNICATION SERVICE BOX (TYP.)
PROTECT EXISTING SANITARY MH
REMOVE EXISTING KEYPAD WITH BOLLARDS
REMOVE EXISTING LIGHT POLE
REMOVE EXISTING MAILBOX
REMOVE EXISTING COMMUNICATION SERVICE BOX
REMOVE EXISTING VINYL FENCE FOR DUMPSTER PAD
DEMOLISH EXISTING SIDEWALK
FLORIDA FLIGHT MAINTENANCE
EXISTING GRATE INLET RIM EL.= 14.65' BOTTOM EL.= 12.55' 12"x18" ERCP W INV. EL.= 12.66'
EXISTING TERMINAL BUILDING
EXISTING BIKERACK (7 METAL TUBE 3' N./ S
EXISTING CHAIN LINK FENCE (TYP.)
PROTECT EXISTING YARD DRAIN 6" PVC SE INV.= 14.19'
REMOVE EXISTING SECURITY CAMERA (RETURN TO OWNER)
RELOCATE EXISTING BACKFLOW PREVENTER WITH METER AND BOLLARDS
DEMOLISH EXISTING CONCRETE POST
REMOVE EXISTING KEYPAD
REMOVE EXISTING CHAIN LINK FENCE (TYP.)
EXISTING METAL STANDPIPE
PROTECT EXISTING A/C UNIT
PROTECT EXISTING 8" PVC GUTTERDRAIN
PROTECT EXISTING BUILDING F.F.E. =15.93'
EXISTING "FLEXISTAKE" AIRPORT MARKER (TYP.)
AGAPE FLIGHTS
7
CONTRACTOR TO INSTALL 8" GATE VALVE IN ORDER TO ISOLATE PORTION OF EXISTING MAIN PROPOSED FOR DEMOLITION THE GATE VALVE TOP ELEV.= 15.95
SARASOTA AVIONICS
EXISTING APRON
PROTECT EXISTING 8" PVC GUTTERDRAIN
REMOVE EXISTING TREE (TYP.)
DEMOLISH EXISTING GRATE INLET
REMOVE EXISTING 8" WATER MAIN
DEMOLISH 54 LF OF EXISTING STORM PIPE
REMOVE EXISTING SIGN (TYP.)
REMOVE EXISTING FIRE HYDRANT
PROTECT EXISTING TAXIWAY LIGHT (TYP.)
TAXIWAY A
REMOVE EXISTING WATER VALVE
CONTRACTOR TO INSTALL 8" GATE VALVE IN ORDER TO ISOLATE PORTION OF EXISTING MAIN PROPOSED FOR DEMOLITION THE GATE VALVE TOP ELEV.= 14.58'
7
EXISTING 8" WATER MAIN
EXISTING TAXIWAY LIGHT (TYP.)
EXISTING MES 18" RCP INV. EL.= 11.56
EXISTING CONCRETE HEADWALL
EXISTING 2" FORCE MAIN
EXISTING WASH RACK
EXISTING T-HANGAR

NOTE:
DISCOVERY OF ANY ENDANGERED OR THREATENED SPECIES WILL IMMEDIATELY STOP WORK AND BE REPORTED TO THE CITY AND THE STATE FOR PROFESSIONAL AND HUMANE REMOVAL.

N
0' 30' 60'

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TOFA — TAXIWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING SANITARY MANHOLE
- TOE — EXISTING TOE OF SLOPE
- TOB — EXISTING TOP OF BANK
- OE — EXISTING OVERHEAD ELECTRIC
- EXISTING WOOD UTILITY POLY
- EXISTING SIGN
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- X — EXISTING AIRPORT FENCE
- W — EXISTING OVERHEAD UTILITIES
- SAN — EXISTING SANITARY SEWER LINE
- EXISTING PALM TREE
- EXISTING OAK TREE
- EXISTING TREE
- EXISTING PINE TREE
- MES
- EXISTING STORM PIPE
- SF — SILT FENCE
- DEMOLISH EXISTING PAVEMENT
- TOPSOIL STRIPPING
- RE-GRADING
- DEMOLISH EXISTING GRAVEL
- MILLING EXISTING PAVEMENT
- REMOVE EXISTING SIGN
- REMOVE EXISTING TREE
- REMOVE WATER VALVE
- REMOVE EXISTING TAXIWAY LIGHT
- REMOVE EXISTING AOA FENCE
- REMOVE EXISTING WATER PIPE
- DEMOLISH EXISTING STORM PIPE

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REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

EROSION AND DEMOLITION PLAN

C201

CONFORMED SET

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DETECTABLE WARNING (TYP.)
(SEE DETAIL, SHEET C901)

7

8' NEW SIDEWALK

5'

2' MILL AND OVERLAY

N:998041.17
E:511882.73

N:998040.40
E:511956.01

N:998009.23
E:511876.78

8' NEW PAVEMENT

N:998009.81
E:511818.69

N:998009.87
E:511812.78

N:998009.16
E:511882.70

N:998008.32
E:511955.68

AIRPORT AVENUE

R20'

R20'

N:997989.43
E:511856.55

SEE UTILITY PLAN FOR ALL UTILITIES IMPROVEMENTS

N:997989.67
E:511832.55

5' (TYP.)

24'

5' SIDEWALK

PROJECT LIMITS

N:997883.88
E:511855.47

R20'

N:997868.55
E:511879.23

NEW GENERATOR PAD AND ENCLOSURE
(SEE DETAIL, THIS SHEET)

NEW DUMPSTER PAD AND ENCLOSURE
(SEE DETAIL, SHEET C902)

N:997863.68
E:511875.27

TYPE D CURB (TYP.)
(SEE DETAIL, SHEET C901)

24'

EXISTING TERMINAL BUILDING

N:997819.84
E:512016.39

NEW
SITE SIGN

NEW FLAGPOLE
(MATCH EXISTING
HEIGHT 30')

NEW FENCE (TYP.) (SEE DETAIL, SHEET C903)

EXISTING CHAIN LINK FENCE (TYP.)

EXISTING
METAL STANDPIPE

NEW BACKFLOW PREVENTER WITH METER AND BOLLARDS

EXISTING A/C UNIT

PROPOSED SIGN (TYP.) (SEE MARKING PLAN)

2 NEW CARD READER (LANDSIDE AND AIRSIDE)

NEW PEDESTRIAN SWING GATE) (SEE DETAIL, SHEET C903)

APRON

NEW MAIL BOX. 41" TO 45" FROM THE GROUND OR STREET SURFACE
AND UP TO THE INSIDE FLOOR OF THE MAILBOX. 6" TO 8" BACK FROM
THE FRONT FACE OF THE CURB OR THE EDGE OF ROAD

AGAPE
FLIGHTS

24'

NEW BIKE RACK

CARD READER WITH BOLLARD

SIDEWALK RAMP WITH DETECTABLE WARNING
(FDOT INDEX #522-002 CR-A)

NEW SWING GATE (SEE DETAIL, SHEET C903)

ELECTRIC GATE MOTOR

N:997685.92
E:511819.45

EXISTING SARASOTA AVIONICS BUILDING

40'

39.5'

EXISTING CENTERLINE OF TAXILANE

BACKFLOW PREVENTER
(SEE UTILITY PLAN)

NEW TERMINAL
BUILDING

N:997640.49
E:511859.33

NEW CONDENSING
UNITS LOCATION

NEW 6'× 8' INDUCTION LOOP (TYP.)

6' CURB TRANSITION

24'

N:997621.26
E:511862.80

N:997639.75
E:511852.65

N:997581.26
E:511862.39

NEW POND

40'

N:997571.05
E:511852.28

CONTRACTOR TO SEED
AND MULCH POND BOTTOM

N:997569.19
E:511828.26

R15'

85.5'

62'

39.5'

N:997580.29
E:511957.06

N:997560.78
E:511813.02

R10'

TAXIWAY A

N:997555.90
E:511867.14

N:997563.69
E:511956.10

2' MILL AND OVERLAY

FLORIDA FLIGHT
MAINTENANCE

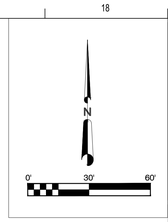
WASH
RACK

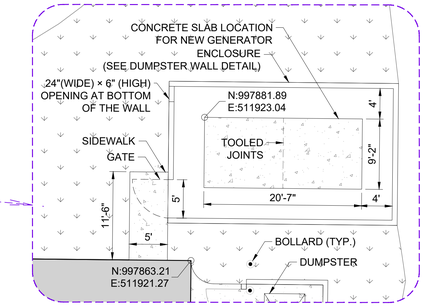
T-HANGAR

LEGEND

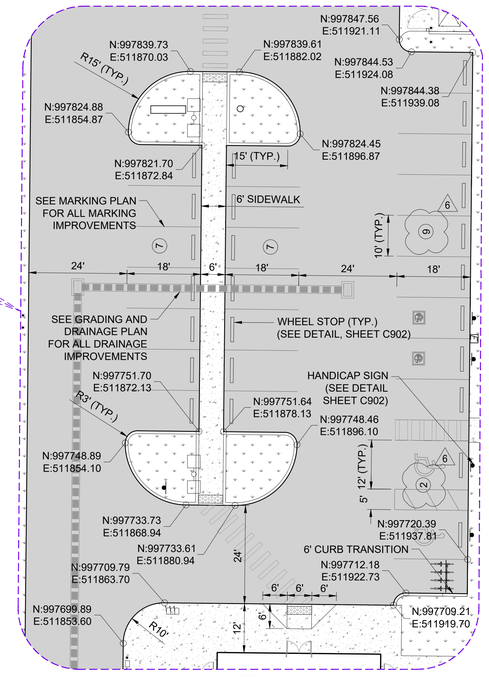
- PL — AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING BUILDING
- EXISTING PAVEMENT
- EXISTING CONCRETE
- TOFA — TAXIWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- X — EXISTING AIRPORT FENCE
- OHU — EXISTING OVERHEAD ELECTRIC
- OE — EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- TOE — EXISTING TOE OF SLOPE
- TOB — EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- X — X — X — NEW FENCE
- NEW PAVEMENT
- NEW CONCRETE
- NEW SOD

NOTE:
1. SEE C501 DRAINAGE PLAN FOR ALL DRAINAGE IMPROVEMENTS.
2. SEE C601 UTILITY PLAN FOR ALL UTILITIES IMPROVEMENTS.

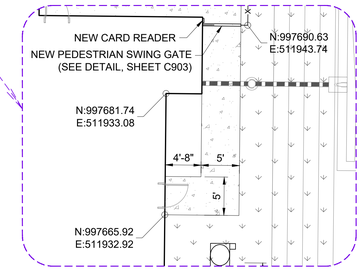




GENERATOR LOCATION DETAIL
SCALE: 1"=8'



DETAIL
SCALE: 1"=15'



CONCRETE SIDEWALK DETAIL
SCALE: 1"=8'

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REVISIONS		
MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	RELOCATE EXISTING SITE SIGN AND	
	FLAGPOLE. ADD MAIL-BOX SPECIFICATION	11/15/24
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

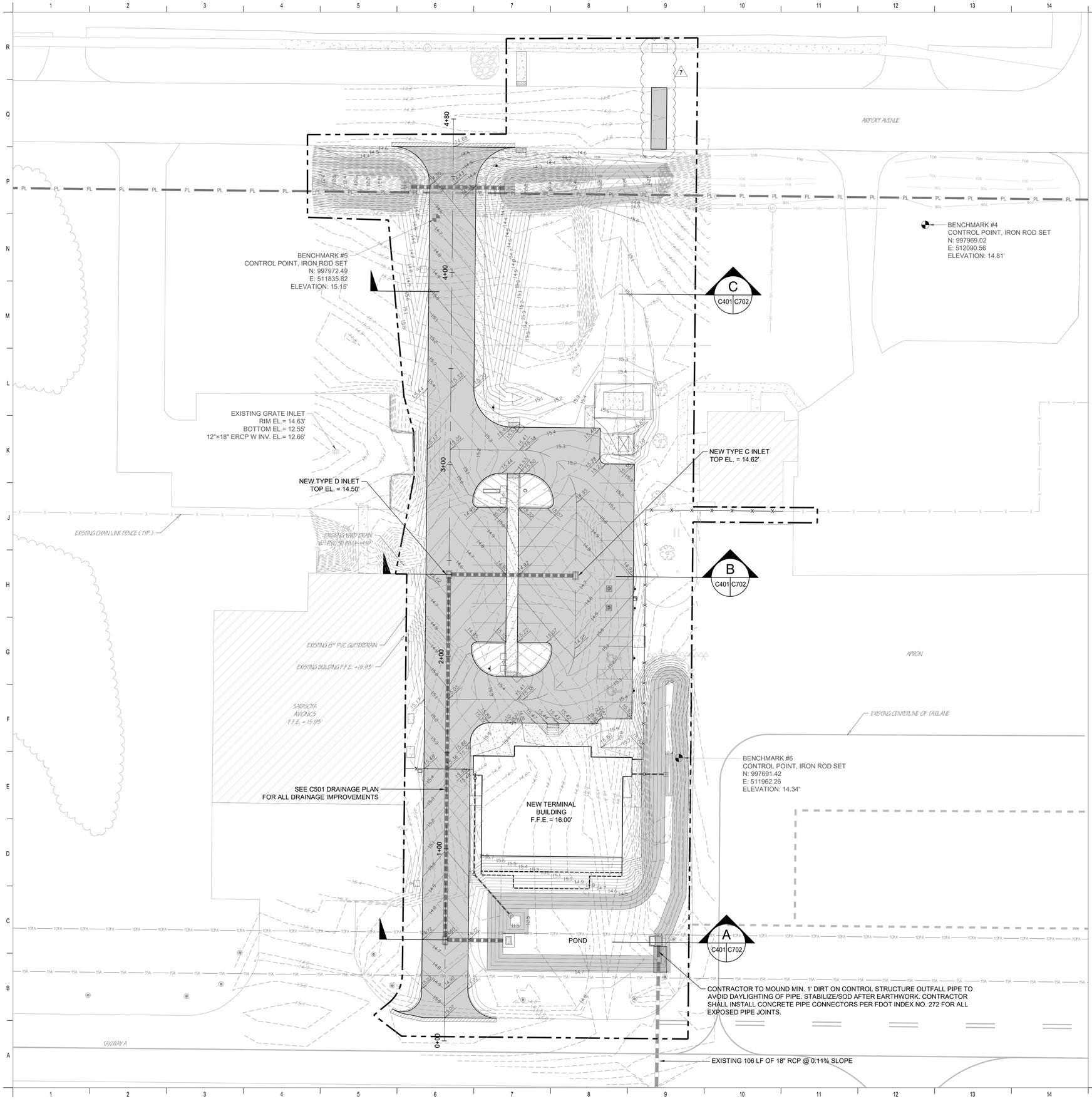
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

SITE AND GEOMETRY PLAN

C301

CONFORMED SET

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N

0' 20' 40'

LEGEND

- PL — AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TOFA — TAXIWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- OHU — EXISTING OVERHEAD ELECTRIC
- OE — EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- TOE — EXISTING TOE OF SLOPE
- TOB — EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- NEW FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW SOD
- 15.80 TOC / 15.30 EOP — PROPOSED SPOT ELEVATION
- 15.80 — EXISTING CONTOURS
- 15.20 — PROPOSED CONTOURS

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REVISIONS		
MARK	DESCRIPTION	DATE
2.	SWFWMD COMMENTS.	12/23/24
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/10/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

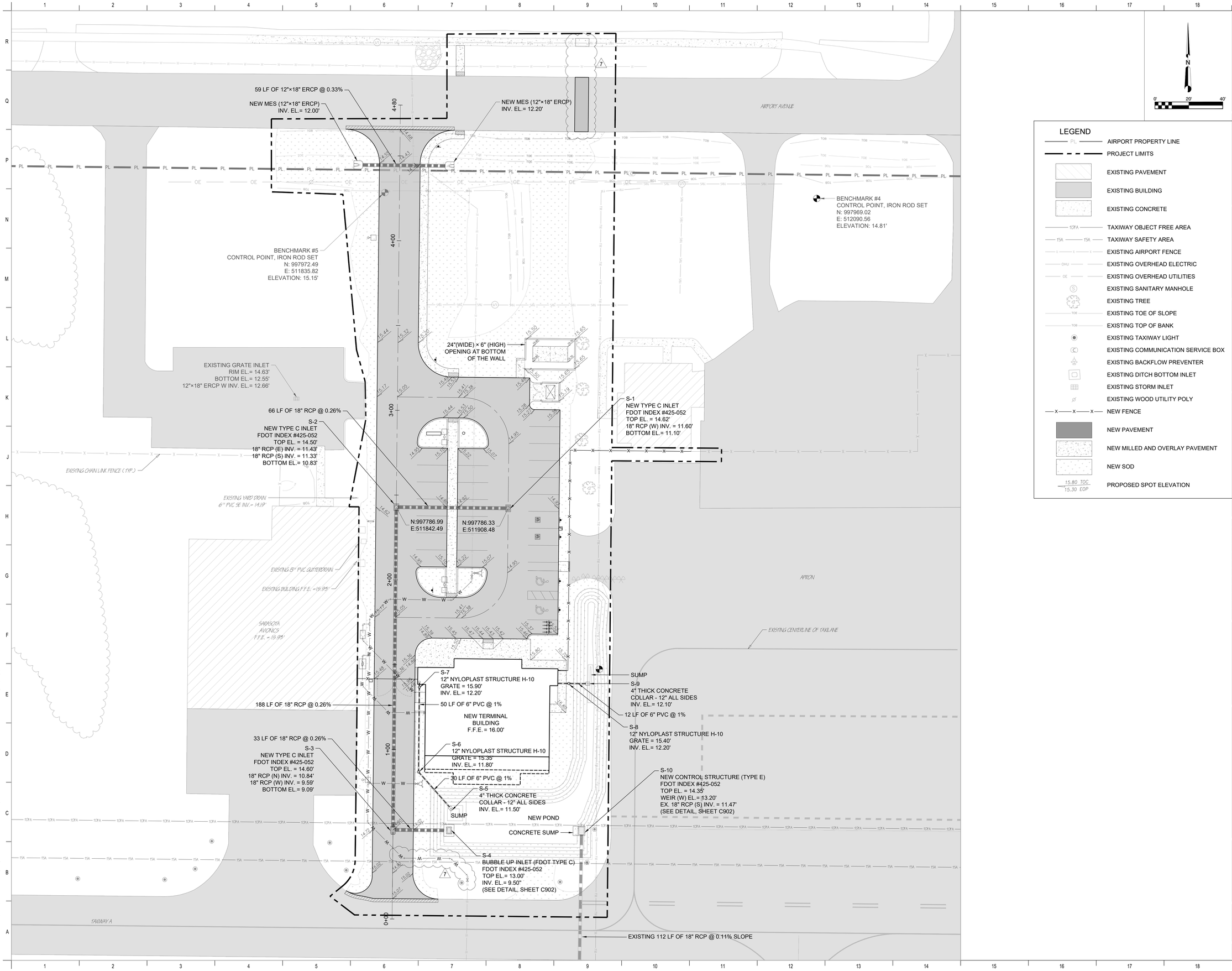
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

GRADING PLAN

C401

CONFORMED SET

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N

0' 20' 40'

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING TOE OF SLOPE
- EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- NEW FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW SOD
- 15.80 TOC / 15.30 EOP — PROPOSED SPOT ELEVATION

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REVISIONS

MARK	DESCRIPTION	DATE
2.	SWFWMD COMMENTS.	12/23/24
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/10/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

DRAINAGE PLAN

C501

CONFORMED SET

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CONTRACTOR TO TAP OR WYE INTO EXISTING SANITARY MAIN. CONTRACTOR TO ENSURE CONNECTION IS MADE IN CONFORMANCE WITH CURRENT CITY OF VENICE STANDARDS. SEE DETAIL S-4

6" SANITARY PIPE TO BE DR14 C900 CENTERED AT POINT OF CROSSING IN ACCORDANCE WITH CITY OF VENICE UTILITY DETAIL U-5

EXISTING SANITARY MH
RIM EL.= 14.57'
8" CLAY W INV. EL.= 9.71'
8" CLAY E INV.= 9.71'
NEW 8" PVC (S) INV.= 9.81'

80 LF OF 6" PVC @ 0.65%

AIRPORT AVENUE

SANITARY SEWER CLEANOUT
TOP EL.= 14.50'
6" PVC (NW) INV. = 11.08'
6" PVC (S) INV. = 11.08'
CROSS DITCH 12" COVER

EXISTING SANITARY MH
RIM EL.= 14.57'
8" CLAY W INV. EL.= 15.24'
8" CLAY SW INV.= 15.31'
8" CLAY E INV.= 15.24'

PROJECT LIMITS

EXISTING 8" WATER MAIN (APPROX. LOCATION)

EXISTING STORM SEWER MH
RIM EL.= 15.74'
BOTTOM EL.= 11.38'
8" CLAY NW INV. EL.= 11.28'
8" CLAY E INV.= 11.22'

96 LF OF 6" PVC @ 0.65%

CONTRACTOR TO FIELD VERIFY EXISTING SANITARY LINE ELEVATION TO ENSURE THERE ARE NO VERTICAL CONFLICTS. CONTRACTOR TO ALERT ENGINEER IF A VERTICAL CONFLICT OCCURS

NEW GENERATOR
(SEE ELECTRICAL PLAN)

SANITARY SEWER CLEANOUT
TOP EL.= 15.30'
6" PVC (NW) INV. = 11.70'
6" PVC (S) INV. = 11.70'

NEW FENCE (TYP.)
(SEE DETAIL, SHEET C506)

EXISTING CHAIN LINK FENCE (TYP.)

NEW BACKFLOW ASSEMBLY (CITY OF VENICE DETAIL W-5)
6" BOLLARD (TYP.) (SEE DETAIL SHEET C904)
EXISTING BACKFLOW PREVENTER TO BE IMPACTED BY PROJECT SCOPE. CONTRACTOR TO VERIFY EXISTING ASSOCIATED UTILITY LOCATION AND RELOCATE BACKFLOW PREVENTER OUTSDIE OF PROJECT SCOPE. CONTRACTOR IS TO COORDINATE WITH CITY AND AIRPORT IF ANY SERVICE INTERUPTION IS REQUIRED.

CONTRACTOR TO FIELD VERIFY EXISTING WATER MAIN ELEVATION

SEE ELECTRIC PLAN FOR ALL ELECTRICAL IMPROVEMENTS

100 LF OF 6" PVC @ 0.65%

SANITARY SEWER CLEANOUT
TOP EL.= 15.05'
6" PVC (NW) INV. = 12.35'
6" PVC (S) INV. = 12.35'

99 LF OF 6" PVC @ 0.65%

APRON

8"×6"×8" TEE
5 LF OF 6" PVC WATER LINE
FIRE HYDRANT WITH 6" VALVE

8" GATE VALVE
8" - 45° BEND
TIE TO EXISTING

8" - 45° BEND
4" - 90° BEND
8"×4"×8" TEE

8" - 45° BEND

EXISTING SARASOTA AVIONICS BUILDING

1.5" METER AND BACKFLOW ASSEMBLY
(CITY OF VENICE DETAIL W-4, W-5)
(SEE CITY DETAIL W-9 SHEET C904)

6" - 90° BEND

6" FEBCO LF876V DCDA TYPE II
(SEE CITY DETAIL W-9 SHEET C904)

8"×6"×8" TEE

SWING GATE (SEE DETAIL, SHEET C903)

2" WATER LINE

SANITARY SEWER CLEANOUT
TOP EL.= 15.15'
6" PVC N INV. = 13.00'

7

EXISTING CENTERLINE OF TAXILANE

NEW TERMINAL BUILDING
F.F.E.= 16.00'

6" - 45° BEND

6" FIRE LINE

31 LF OF 6" WATER PIPE
FIRE HYDRANT WITH 6" VALVE

8"×8"×6" TEE

8" PVC WATER MAIN

POND

8" - 45° BEND

7

8" - 45° BEND

8" GATE VALVE

EXISTING FORCE MAIN (APPROXIMATE LOCATION)

CONTRACTOR TO CONNECT TO EXISTING WM USING NEWLY INSTALLED 8" GATE VALVE

EXISTING STORM INLET

PROPOSED GRADE
18" RCP STORM PIPE
36" COVER
12"
45° BEND
45° BEND
8" PVC WATER MAIN
4" FIRE LINE
2" WATER SERVICE LINE

CROSSING SECTION DETAIL 1
SCALE: N.T.S.

N
0' 20' 40'

LEGEND

- PL — AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TOFA — TAXIWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- X — EXISTING AIRPORT FENCE
- OHU — EXISTING OVERHEAD ELECTRIC
- OE — EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- W — EXISTING WATER MAIN
- FM — EXISTING FORCE MAIN
- SAN — EXISTING SANITARY SEWER LINE
- GAS — EXISTING GAS LINE
- TOE — EXISTING TOE OF SLOPE
- TOB — EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- X — NEW FENCE
- NEW PAVEMENT
- NEW CONCRETE
- W — NEW WATER MAIN
- SAN — NEW SANITARY SEWER LINE
- GAS — NEW GAS LINE

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MOHSEN DESIGN GROUP INCORPORATED
2202 N. WESTSHORE BLVD., SUITE 200
TAMPA, FL 33607

MOHSEN MOHAMMADI
LICENSE
No 47813
09/16/2025
STATE OF FLORIDA
PROFESSIONAL ENGINEER

HDg Architecture
127 W. FAIRBANKS AVE., # 140
WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	REMOVE GAS PIPE FROM CROSSING	
	SECTION DETAIL 2. ADD FIRE METER	
	DETAIL.	11/15/24
2.	WATER LINE SIZE INCREASE.	01/03/25
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

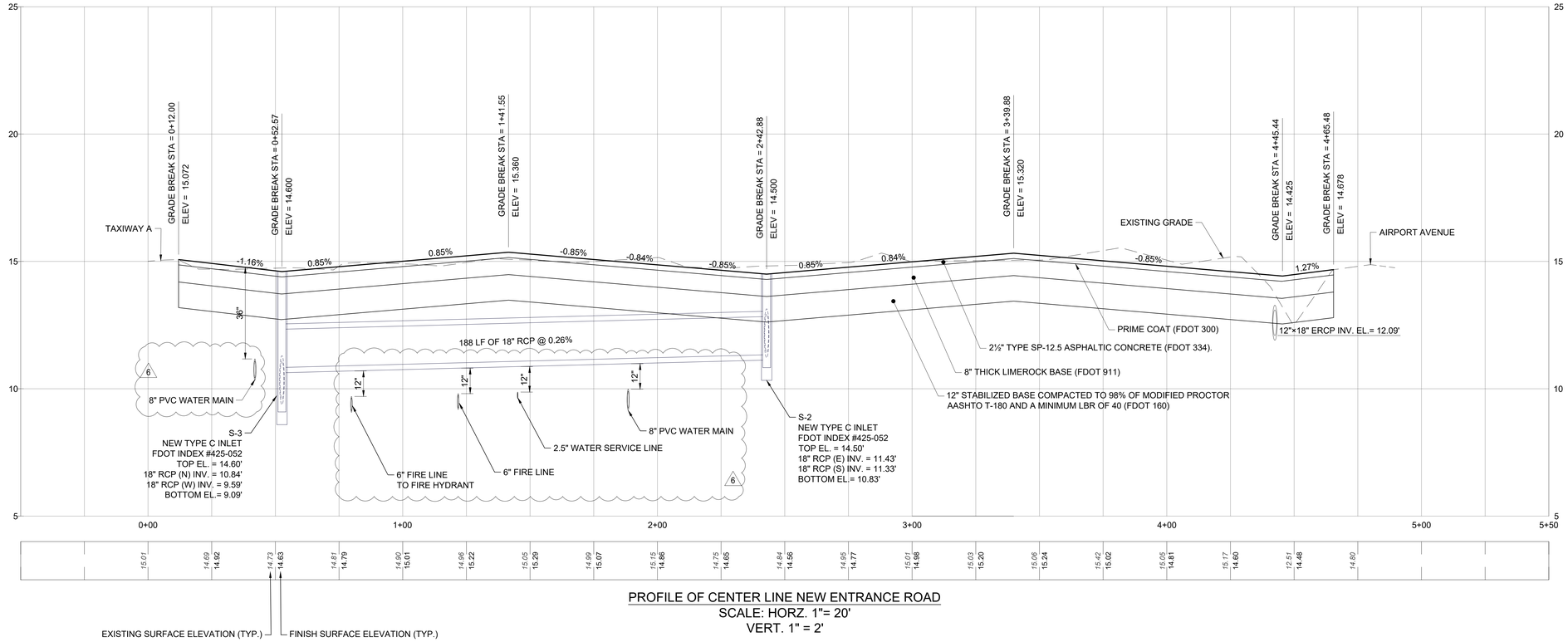
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

UTILITY PLAN

C601

CONFORMED SET

Plotted: c:\Users\Yon\mohsen design group dropbox\MDG\Projects\VNC\ric23005-vnc-terminal\05-drawings\Dwg\RIC23005 C601-UTL.dwg - Yon



PROFILE OF CENTER LINE NEW ENTRANCE ROAD
SCALE: HORZ. 1"= 20'
VERT. 1" = 2'

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REVISIONS

MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

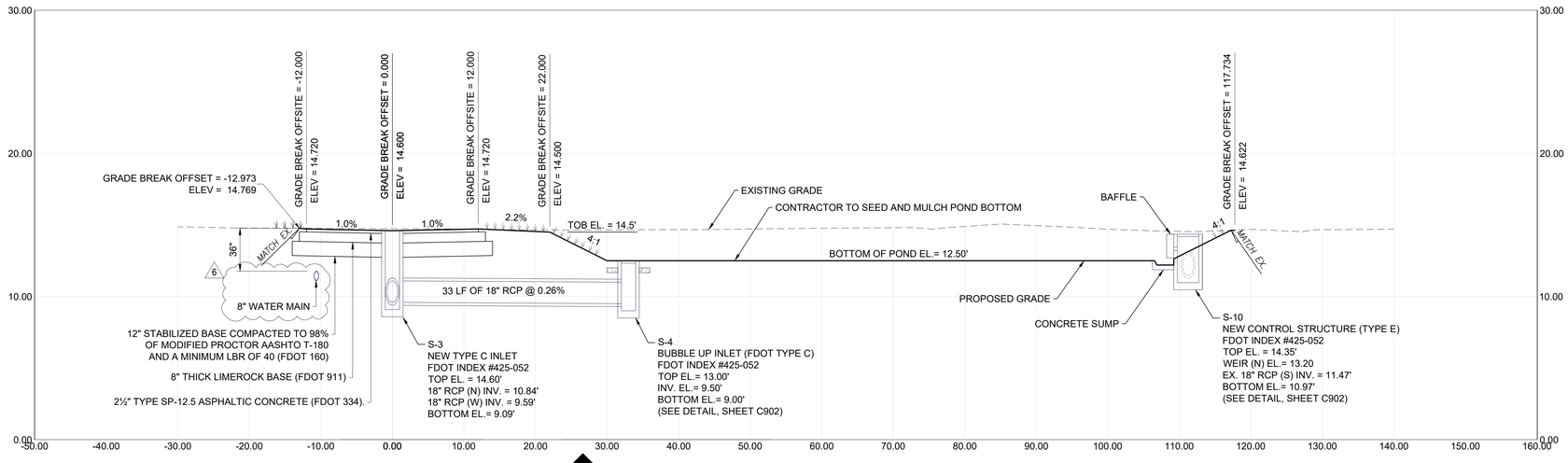
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

ENTRANCE ROAD PROFILE

C701

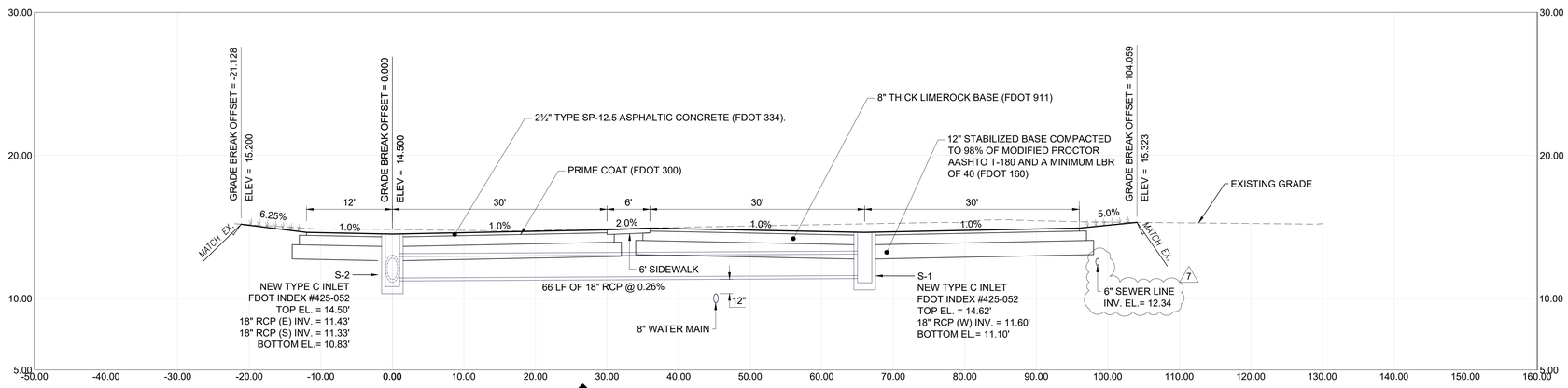
CONFORMED SET

Plotted: c:\Users\Yan\mohsen design group dropbox\MDG\Projects\VNC\ric23005--vnic-terminal\05--drawings\Dwg\RIC23005 C701--C702--PRO--SEC.dwg -- Yan



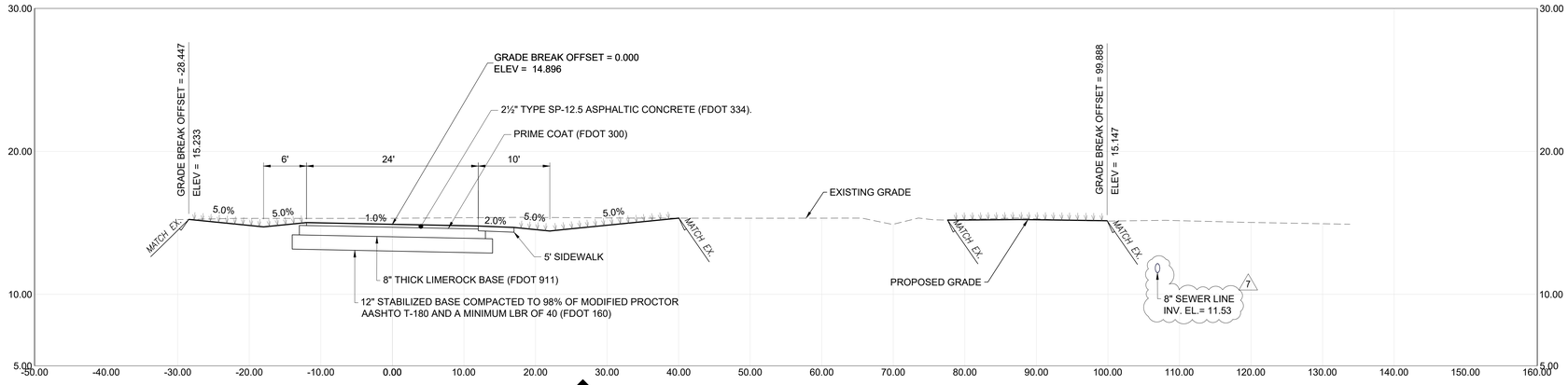
A C702 C401 **Section A -- A at Entrance Road - Sta. 0+52.57**

SCALE: HORZ. 1"= 8'
VERT. 1" = 4'



B C702 C401 **Section B -- B at Entrance Road - Sta. 2+42.88**

SCALE: HORZ. 1"= 8'
VERT. 1" = 4'



C C702 C401 **Section C -- C at Entrance Road - Sta. 3+90.00**

SCALE: HORZ. 1"= 8'
VERT. 1" = 4'

*NOTE:
TOP OF SOD ELEVATION = FINISH GRADING SURFACE ELEVATION (TYP.)

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REVISIONS		
MARK	DESCRIPTION	DATE
2.	SWFWMD COMMENTS.	12/23/24
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

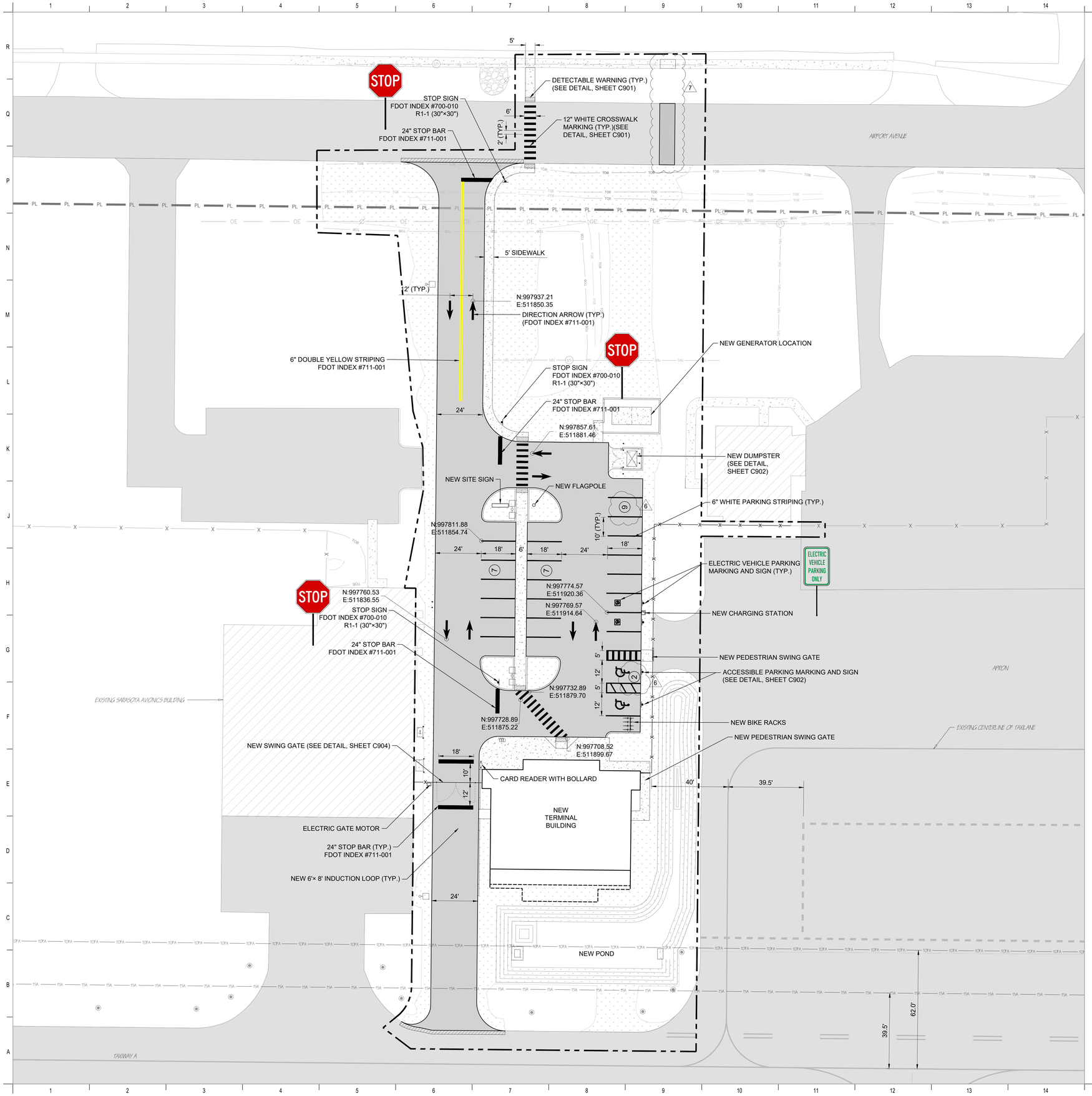
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

SECTIONS

C702

CONFORMED SET

Plotted: c:\Users\Yon\mohsen design group dropbox\MDG\Projects\VNC\ric23005-vnc-terminal\05-drawings\Dwg\RIC23005 C701-C702-PRO-SEC.dwg - Yon



N

0' 20' 40'

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING TOE OF SLOPE
- EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- NEW FENCE
- NEW PAVEMENT
- NEW MILLED AND OVERLAY PAVEMENT
- NEW SOD

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(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25
7.	CITY COMMENTS.	09/10/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

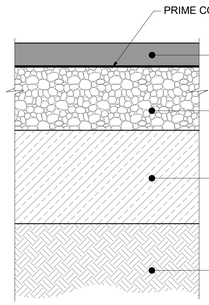
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

MARKING PLAN

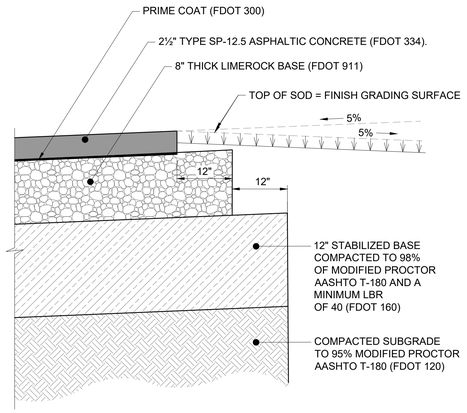
C801

CONFORMED SET

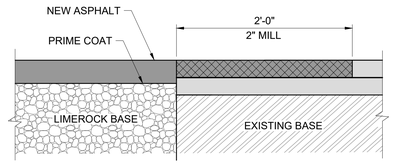
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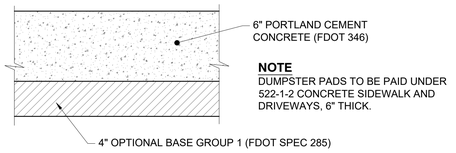
1 PARKING LOT PAVEMENT TYPICAL SECTION
N.T.S.



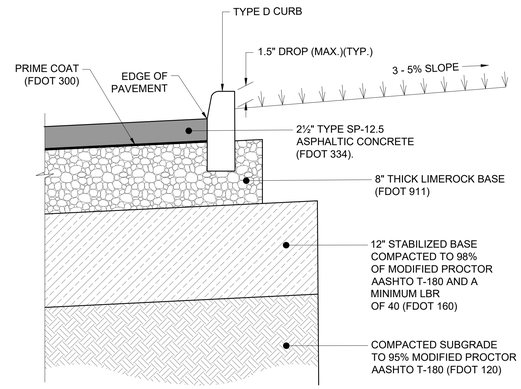
2 STEPPED OFFSET DETAIL
N.T.S.



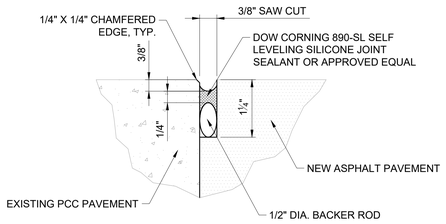
3 PAVEMENT TIE-IN SECTION
N.T.S.



3 N.T.S. TYPICAL SECTION FOR CONCRETE DUMPSTER PADS

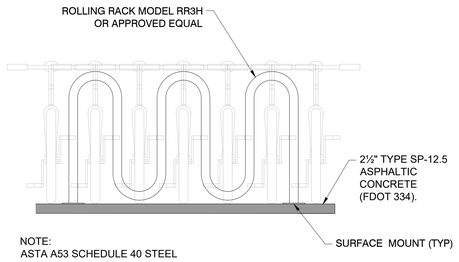


4 TYPICAL SECTION FOR CURB GRADING
N.T.S.



NOTE: ALL ITEMS SHOWN ARE INCIDENTAL TO P-401

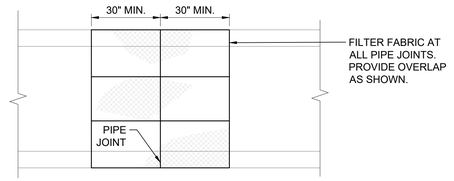
5 PCC-AC JOINT SEAL
N.T.S.



NOTE:
ASTA A53 SCHEDULE 40 STEEL PIPE AND HOT-DIPPED GALVANIZED

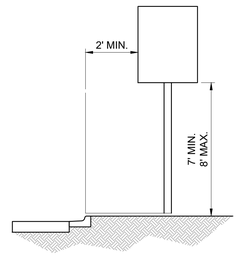
WWW.DERO.COM OR EQUIVALENT

6 BICYCLE RACK
N.T.S.



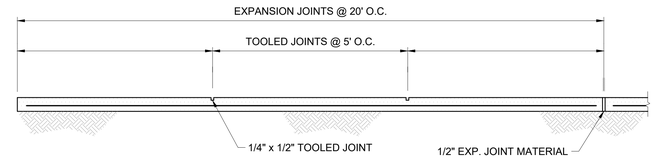
PIPE BEDDING NOTES:
1. BEDDING MATERIAL SHALL CONFORM TO FDOT #57 STONE SPECIFICATION AND BE OBTAINED FROM FDOT APPROVED SOURCES.
2. NON-WOVEN FILTER FABRIC SHALL BE FURNISHED FROM FDOT APPROVED MATERIAL SUPPLIER.
3. ALL PIPE JOINTS SHALL BE GASKETED AND WRAPPED WITH FILTER FABRIC.

7 PIPE JOINT DETAIL
N.T.S.

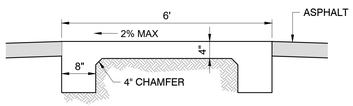


NOTE:
1. THE TYPICAL SECTION SHOWN HEREON SERVES AS A GUIDE FOR LOCATING THE TRAFFIC SIGNS REQUIRED UNDER VARIOUS ROADSIDE CONDITIONS. FOR SIZE AND DETAILS OF SIGN CONSTRUCTION AND FOOTING REFER TO THE APPROPRIATE STANDARD INDEX DRAWING FOR ROADSIDE SIGNS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LENGTH OF SIGN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
3. GROUND SIGNS SHALL BE INSTALLED AT AN ANGLE OF 1 TO 4 DEGREES AWAY FROM THE TRAFFIC FLOW. SHOULDER MOUNTED SIGNS SHALL BE ROTATED COUNTERCLOCKWISE AND MEDIAN MOUNTED SIGNS ROTATED CLOCKWISE. SIGNS ON CURVES SHALL BE MOUNTED AS NOTED ABOVE FROM THE PERPENDICULAR TO THE MOTORIST LINE OF SIGHT.
4. THE MOUNTING HEIGHTS ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO A HORIZONTAL LINE EXTENDED FROM THE EDGE OF THE DRIVING LANE.
5. SIGN SUPPORTS SHALL NEVER BE PLACED IN THE BOTTOM OF DITCHES WHERE EROSION MIGHT AFFECT THE PROPER OPERATION OF THE BREAKAWAY FEATURE.
6. SIGN SUPPORTS SHALL NOT REDUCE THE ACCESSIBLE ROUTE / CONTINUOUS PASSAGE TO LESS THAN 4' MIN. CLEAR WIDTH AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.

8 SECTION FOR PLACEMENT OF SIGNS
N.T.S.

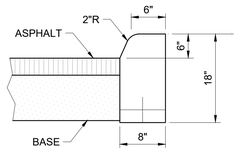


LONGITUDINAL SECTION



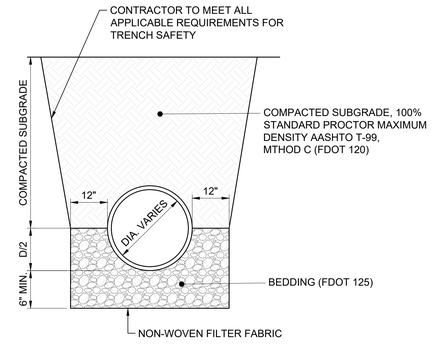
NOTES
1. ALL CONCRETE IS TO BE 3000 P.S.I.
2. GROUND IS TO BE COMPACTED PER FDOT SECTION 522 PRIOR TO POURING.
3. ALL EXPOSED EDGES TO BE CHAMFERED.
4. WHERE SIDEWALK ABUTS PAVEMENT THICKEN TO 1' OVER 8".
5. CONSTRUCT CONTROL JOINTS AT 5' ON CENTERS PER FDOT INDEX #310.

9 TYP. SIDEWALK SECTION
N.T.S.

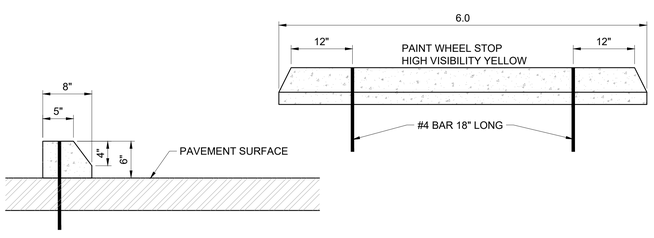


NOTE:
ALL NEW STANDARD CURB SHALL BE EXTRUDED.

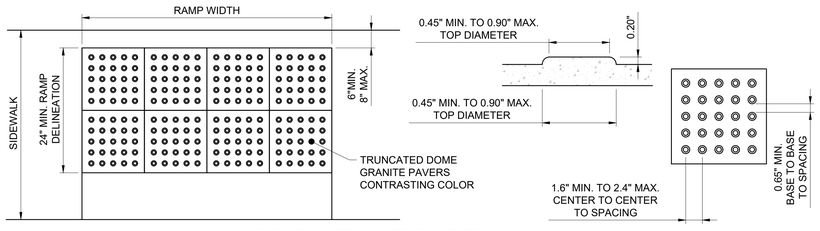
10 TYPE "D" CURB
N.T.S.



11 PIPE BEDDING DETAIL
N.T.S.

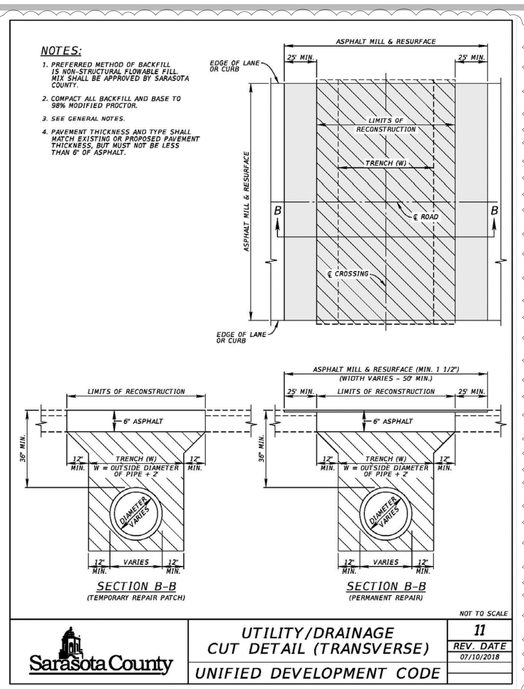


12 PRECAST CONCRETE WHEEL STOP
N.T.S.



ELEVATION - TRUNCATED DOME (TD) (N.T.S.)

13 DETECTABLE WARNING SURFACE DETAIL
N.T.S.



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09/16/2025

HDg Architecture
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WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS

MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	ADD BICYCLE RACK DETAIL.	11/15/24
5.	CONFORMED SET.	04/17/25
7.	CITY COMMENTS.	09/16/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

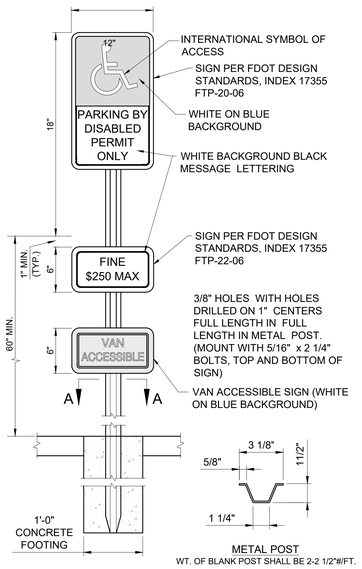
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

SITE DETAILS

C901

CONFORMED SET

Plotted: c:\Users\Yon\mohsen design group dropbox\MDG\Projects\VNC\ric23005-vnc-terminal\05-drawings\Dwg\RIC23005 C901-C905-STD.dwg - Yon

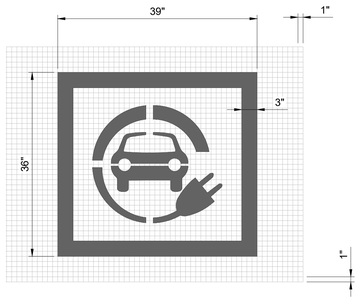


CONTRACTOR ADA NOTICE:

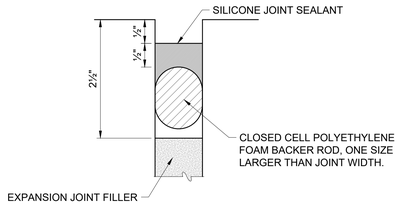
THE CONTRACTOR WILL BE HELD ACCOUNTABLE DURING CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH THE FLORIDA BUILDING CODE 2012 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION IS MANDATORY. IF INCORRECT AT THE FINAL INSPECTION, THE CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY WITH FBC. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER DETAILS ON PLANS:

- PARKING SPACE(S) SHALL BE 12' WIDE (CENTERLINE OF WHITE STRIPING) WITH WHITE STRIPING OUTER LINE, BLUE STRIPING INNER LINES. FBC SECTION 502.
- PARKING SPACES COMPLYING WITH SECTION 502 THAT SERVE A PARTICULAR BUILDING OR FACILITY SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM PARKING TO AN ENTRANCE COMPLYING WITH FBC SECTION 206.4.
- ACCESS AISLE(S) SHALL BE IN ACCORDANCE WITH FBC SECTION 502.3. 5' WIDE WITH REQUIRED DIAGONAL STRIPING IN ACCORDANCE WITH FLORIDA STATUTES 553.5041(5)(c)1.
- PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH FBC 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL (MAX 1:48 SLOPE IN ANY DIRECTION) AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED. FBC SECTION 502.4
- APPROVED H/C SIGNS AT 60" FROM GRADE PAVEMENT TO BOTTOM OF THE FTP 20-06 OR FTP 21-06 SIGN. SIGNS PER FDOT DESIGN STANDARDS MANUAL INDEX 17355, FTP 20-06 OR FTP 21-06 AND FTP 22-06.
- CURB RAMP SLOPES SHALL NOT EXCEED 1:12 (8.33%) SLOPE IN ANY DIRECTION. RAMP SIDE SLOPES SHALL NOT EXCEED 1:12 (8.33%) SLOPE. CURB RAMPS SHALL NOT ENCROACH ACCESS AISLE(S). FBC SECTION 406
- ALL RAMPS OTHER THAN CURB RAMPS AS REFERENCED ABOVE SHALL COMPLY WITH THE DESIGN REQUIREMENTS OF FBC SECTION 405.
- ACCESSIBLE ROUTE TO "MAIN ENTRY" SHALL NOT EXCEED 1:20 (5%) SLOPE (UNLESS RAMPS PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:50 (2%).
- ACCESSIBLE ROUTE "CONNECTING ALL BUILDINGS" ON THE SAME SITE SHALL NOT EXCEED 1:20 (5%) SLOPE (UNLESS RAMPS PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:50 (2%).
- ACCESSIBLE ROUTE TO "PUBLIC WAY" SHALL NOT EXCEED 1:20 (5%) SLOPE (UNLESS RAMPS PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:50 (2%).
- CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH FBC SECTION 705. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24 INCHES (610 MM) DEEP MINIMUM MEASURED FROM THE BACK OF THE CURB ON THE RAMP SURFACE.

1 HANDICAP PARKING SIGN DETAILS
N.T.S.

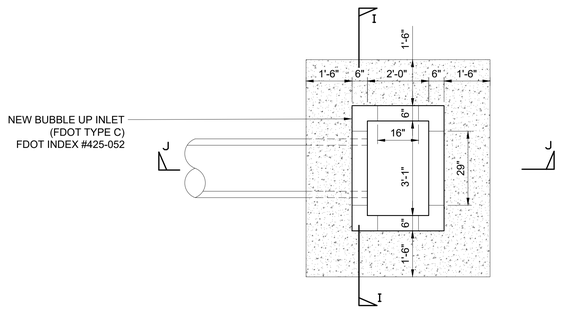


4 ELECTRIC VEHICLE PARKING MARKING
N.T.S.

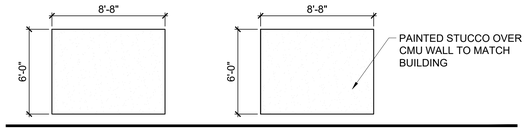


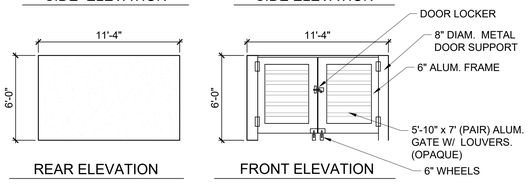
NOTE:
CONTRACTOR SHALL USE TEMPORARY CAP, BLOCKING OR OTHER MEANS TO FORM JOINT SEAL RECESS FOR EXPANSION JOINTS. REPEATED SAW CUTTING TO REMOVE FULL HEIGHT EXPANSION BOARD IS NOT ACCEPTABLE.

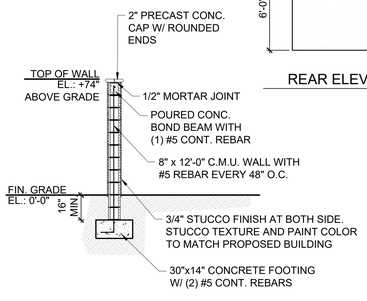
3 SILICONE EXPANSION JOINT DETAIL
N.T.S.

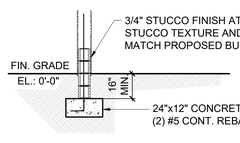


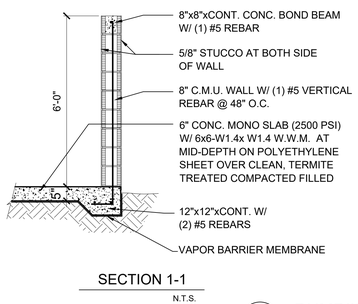
5 S-4 BUBBLE UP INLET (FDOT TYPE C)
N.T.S.

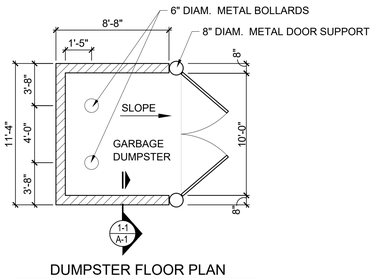




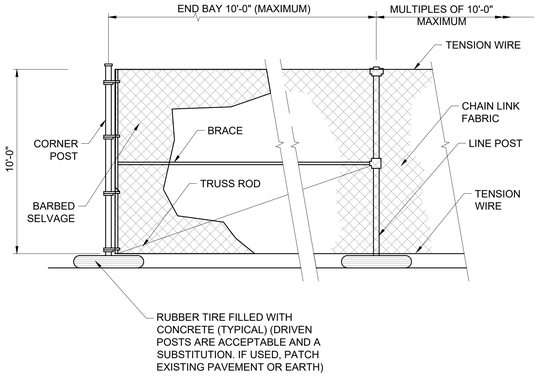






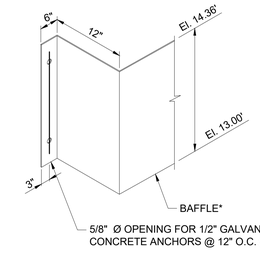


2 DUMPSTER SCREEN AND SIGN WALL
N.T.S.



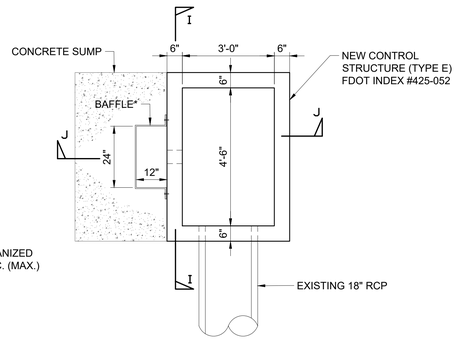
NOTE:
1. COORDINATE WITH OWNER FOR FENCE AND POST MATERIAL AND COLOR.
2. CONTRACTOR SHALL REQUEST APPROVAL TO INSTALL TEMPORARY FENCE PRIOR TO INSTALLATION.
3. NO MORE THAN 40' OF TEMPORARY FENCE SHALL BE INSTALLED.

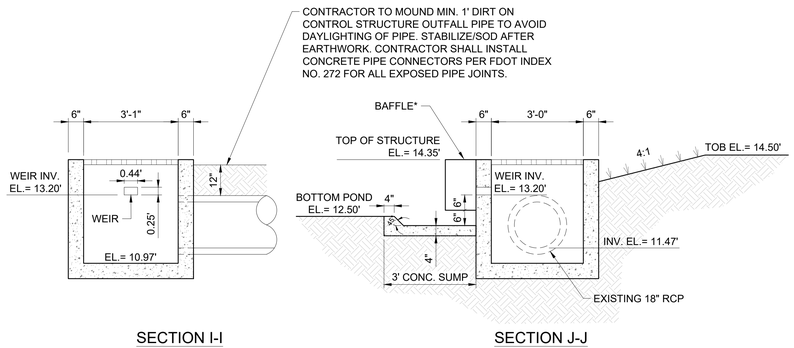
4 TEMPORARY CONSTRUCTION FENCE DETAIL
N.T.S.



* CONTRACTOR TO USE FIBERGLASS, GALVANIZED STEEL OR ALUMINUM MATERIAL FOR BAFFLE.

BAFFLE DETAIL
N.T.S.





6 S-10 NEW CONTROL STRUCTURE (TYPE E)
N.T.S.

RICONDO®
RINCONDO & ASSOCIATES, INC.
3504 LAKE LYNDA DRIVE, SUITE 165, UNIT 140
ORLANDO, FL 32817

MDG MOHSEN DESIGN GROUP
MOHSEN DESIGN GROUP INCORPORATED
2202 N. WESTSHORE BLVD., SUITE 200
TAMPA, FL 33607

MOHSEN MOHAMMADI LICENSE No 47813 09/16/2025 STATE OF FLORIDA PROFESSIONAL ENGINEER

HDg Architecture
127 W. FAIRBANKS AVE., # 140
WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS

MARK	DESCRIPTION	DATE
2.	SWFWMD COMMENTS.	12/23/24
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

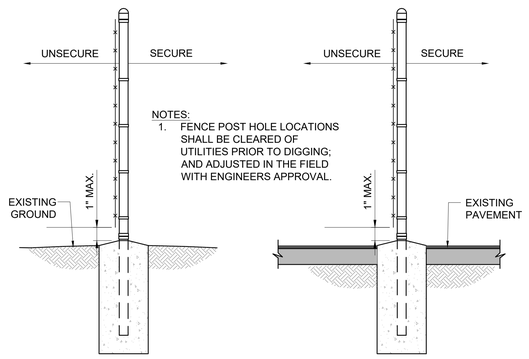
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

SITE DETAILS

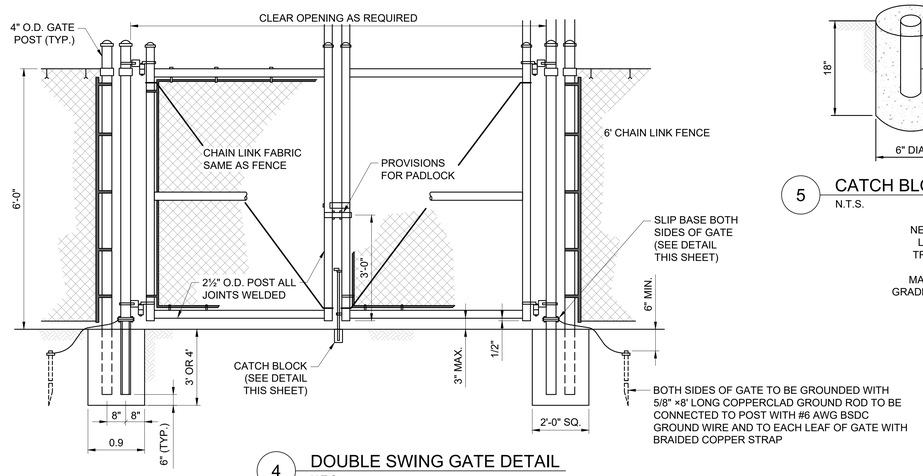
C902

CONFORMED SET

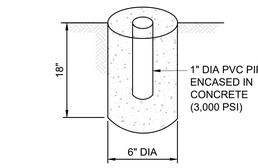
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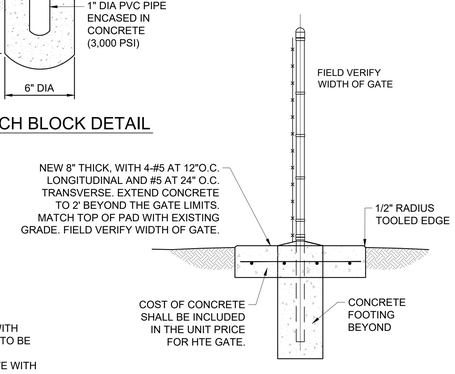
1 FENCE SECTION DETAILS
N.T.S.



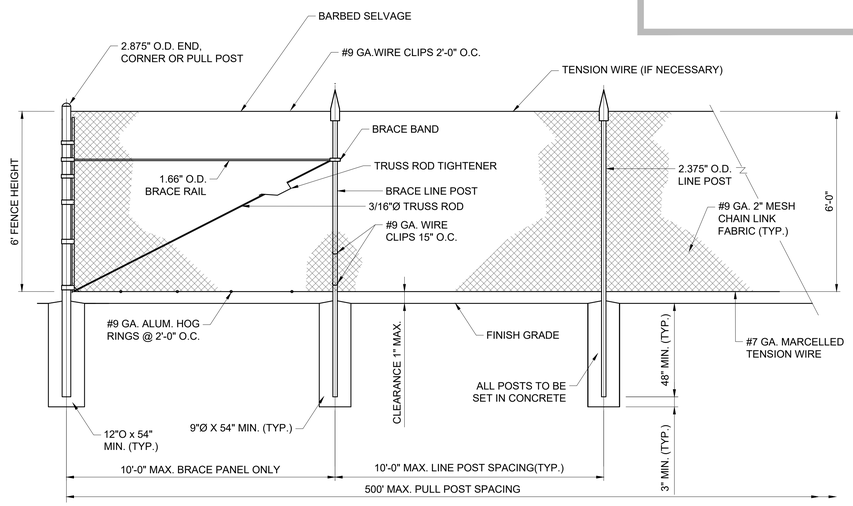
4 DOUBLE SWING GATE DETAIL
N.T.S.



5 CATCH BLOCK DETAIL
N.T.S.

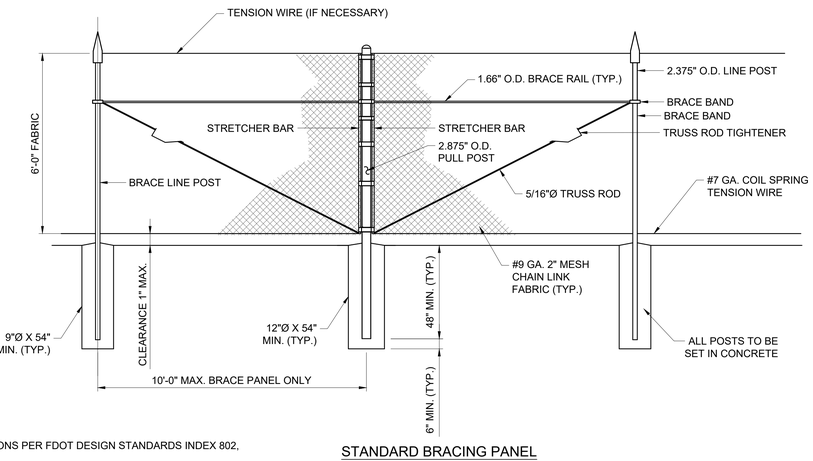


6 GATE CROSSING FENCE DETAIL
N.T.S.



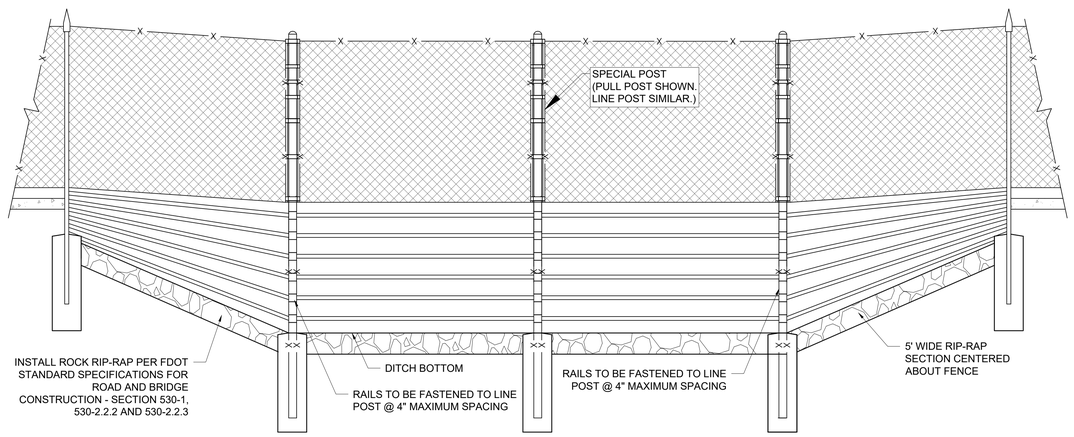
2 STANDARD BRACING PANEL AND TYPICAL LINE POST 6' HIGH CHAIN LINK FENCE
N.T.S.

DETAIL 4 NOTE:
1. FENCING SHALL MEET FDOT SPECIFICATIONS PER FDOT DESIGN STANDARDS INDEX 802, SHEETS 1, 2 AND 3.
2. INSTALL GROUND RODS AT 500' INTERVALS AND AT BOTH ENDS OF GATE.
3. INSTALL TOP AND BRACE RAIL ON THE SECURE SIDE OF THE FENCE.

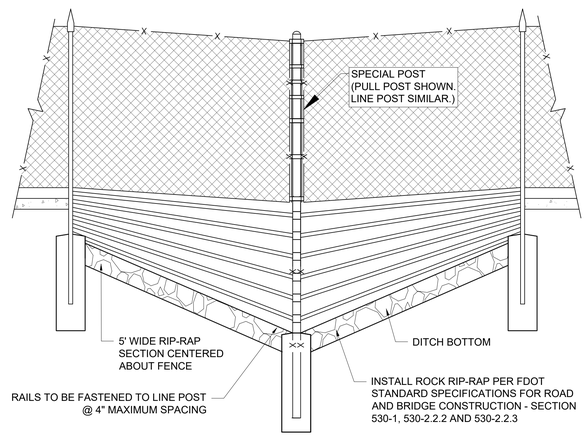


STANDARD BRACING PANEL

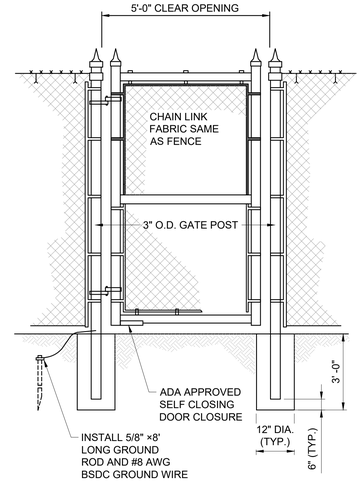
3 PULL POST PANEL
N.T.S.



NOTE:
PAYMENT FOR FENCING ACROSS DITCHES AND DEPRESSIONS AS NOTED ON PLANS WILL BE PER LINEAR FEET OF CHAIN LINK FENCE REGARDLESS OF THE ELEVATION AND HEIGHT DIFFERENCE FROM THE TOP OF SLOPE AND BOTTOM OF DITCH. THERE WILL BE NO SEPARATE PAYMENT FOR THE RIP-RAP AND ADDITIONAL RAILING. CONTRACTOR SHALL PROTECT THE DITCH CROSSING TO AVOID IMPACT TO VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION.



7 DITCH CROSSING FENCE DETAIL
N.T.S.



8 6' HIGH PEDESTRIAN SWING GATE
N.T.S.

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RINCONDO & ASSOCIATES, INC.
3504 LAKE LYNDA DRIVE, SUITE 165, UNIT 140
ORLANDO, FL 32817

MDG MOHSEN DESIGN GROUP
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2202 N. WESTSHORE BLVD., SUITE 200
TAMPA, FL 33607

MOHSEN MOHAMMADI LICENSE No 47813 STATE OF FLORIDA PROFESSIONAL ENGINEER 09/16/2025

HDg Architecture
127 W. FAIRBANKS AVE., # 140
WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	REMOVE BARBED WIRE FROM TOP OF	
	FENCE, PRE-BID RFI'S.	11/15/24
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

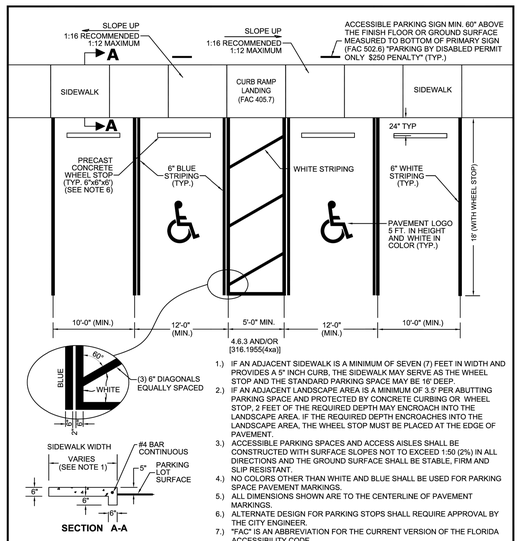
Issue Date:	SEP. 16, 2025
MDG Project No.	RIC23005
Drawn By:	YZY
Checked By:	ZM

FENCE AND GATE DETAILS

C903

CONFORMED SET

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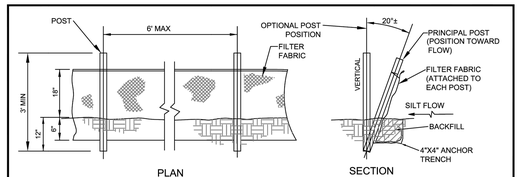


1.) IF AN ADJACENT SIDEWALK IS A MINIMUM OF SEVEN (7) FEET IN WIDTH AND PROVIDES A 5" INCH CURB, THE SIDEWALK MAY SERVE AS THE WHEEL STOP AND THE STANDARD PARKING SPACE MAY BE 16' DEEP.
2.) IF AN ADJACENT LANDSCAPE AREA IS A MINIMUM OF 3.5' PER ABUTTING PARKING SPACE AND PROTECTED BY CONCRETE CURBING OR WHEEL STOP, 2 FEET OF THE REQUIRED DEPTH MAY ENCROACH INTO THE LANDSCAPE AREA. IF THE REQUIRED DEPTH ENCROACHES INTO THE LANDSCAPE AREA, THE WHEEL STOP MUST BE PLACED AT THE EDGE OF PAVEMENT.
3.) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE CONSTRUCTED WITH SURFACE SLOPES NOT TO EXCEED 1:50 (2%) IN ALL DIRECTIONS AND THE GROUND SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT.
4.) NO COLORS OTHER THAN WHITE AND BLUE SHALL BE USED FOR PARKING SPACE PAVEMENT MARKINGS.
5.) ALL DIMENSIONS SHOWN ARE TO THE CENTERLINE OF PAVEMENT MARKINGS.
6.) ALTERNATE DESIGN FOR PARKING STOPS SHALL REQUIRE APPROVAL BY THE CITY ENGINEER.
7.) "FAC" IS AN ABBREVIATION FOR THE CURRENT VERSION OF THE FLORIDA ACCESSIBILITY CODE.

ACCESSIBLE & TYPICAL PARKING SPACE DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	ENGINEERING	DATE MAR 2025
ENGINEERING DEPARTMENT		ACCESSIBLE & TYPICAL PARKING	SHEET NO. ENG-5

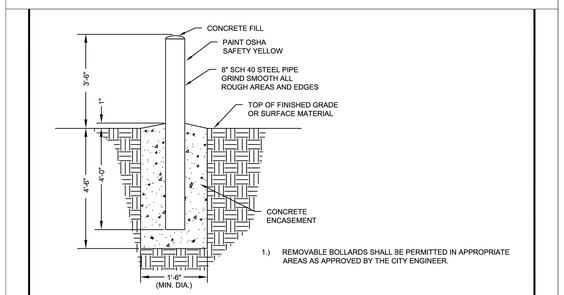


1.) POSTS SHALL BE WOOD (2"X4" OR 2-½" DIA.) OR STEEL (MIN. 1.33 LBS/FT.).
2.) SILT FENCE SHALL BE PLACED PRIOR TO ANY EARTHMOVING, EXCAVATION OR VEGETATION REMOVAL.
3.) CONTRACTOR IS RESPONSIBLE FOR MONITORING & MAINTAINING THE SILT FENCE IN GOOD CONDITION THROUGHOUT THE LIFE OF THE PROJECT.
4.) THE CITY ENGINEER OR HIS DESIGNEE MAY ISSUE A STOP WORK ORDER IN THE EVENT THAT SILT FENCE IS NOT BEING MAINTAINED OR IF SEDIMENT IS MIGRATING OFF-SITE.

SILT FENCE DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	ENGINEERING	DATE MAR 2025
ENGINEERING DEPARTMENT		SILT FENCE & CONSTRUCTION EXIT	SHEET NO. ENG-7

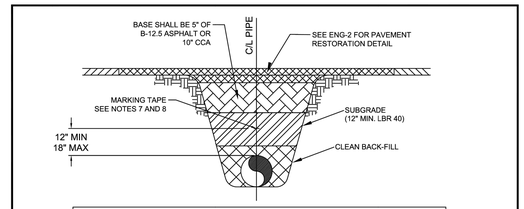


1.) REMOVABLE BOLLARDS SHALL BE PERMITTED IN APPROPRIATE AREAS AS APPROVED BY THE CITY ENGINEER.

BOLLARD DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	ENGINEERING	DATE MAR 2025
ENGINEERING DEPARTMENT		STORM CONFLICT MANHOLE & BOLLARD	SHEET NO. ENG-9



MARKING TAPE AND MESSAGES		
PIPE	TAPE COLOR	MESSAGE
PVC STORM WATER	WHITE	CAUTION STORM WATER OR STORM DRAIN BELOW
POTABLE WATER MAIN	BLUE	CAUTION POTABLE WATER MAIN BELOW
REUSE WATER MAIN	PURPLE	CAUTION REUSE WATER MAIN BELOW
SEWER FORCE MAIN	GREEN	CAUTION SEWER FORCE MAIN BELOW
SEWER & SERVICE LATERALS	GREEN	CAUTION SEWER MAIN BELOW

1.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE ATTACHED TO TOP OF PIPE AT 20' INTERVALS ON ALL RECLAIMED WATER, FORCE, OR POTABLE WATER MAINS. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE) WHERE TRACER WIRE NEEDS TO BE JOINED, CONNECTIONS SHALL UTILIZE DRYCON WATERPROOF CONNECTION OR APPROVED EQUAL. WIRE NUTS AND/OR DUCT TAPE ARE NOT ACCEPTABLE.
2.) MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE MAXIMUM COVER SHALL BE 42" FROM FINISHED GRADE UNLESS OTHERWISE APPROVED.
3.) MAINS SHALL BE INSTALLED LEVEL AND ELIMINATE HIGH POINTS UNLESS OTHERWISE APPROVED BY UTILITIES DIRECTOR.
4.) INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5.) PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS. FOR NEW CONSTRUCTION, THE FIRST LIFT OF ASPHALT SHALL BE IN PLACE PRIOR TO RECORD DRAWING REVIEW.
6.) CONFLICTS - UTILIZE 45° BENDS WITH SEPARATION AS PER CITY DETAILS. ALL UTILITIES (PUBLIC & PRIVATE) THAT CROSS A DITCH/SWALE SHALL BE 36" MIN. BELOW THE ACTUAL/DESIGN BOTTOM OF CONVEYANCE.
7.) MARKING TAPE SHALL BE 3" WIDE (MIN.) DETECTABLE UNDERGROUND WARNING TAPE. CENTERED DIRECTLY OVER THE PIPE.
8.) FOR ALL SEWER FORCE MAINS AND WATER AND RECLAIMED MAINS WITH A NOMINAL DIAMETER OF 12 INCHES OR GREATER, INSTALL 3M ELECTRONIC MARKING CAUTION TAPE, SERIES 7900 OR APPROVED EQUAL
9.) SEE S-6 FOR GRAVITY SEWER PIPE TRENCH DETAIL.

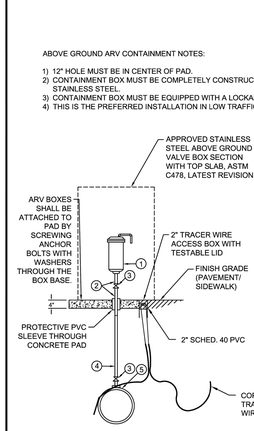
PRESSURE PIPE TRENCH DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		UTILITY PIPE TRENCH	SHEET NO. U-1

ABOVE GROUND ARV CONTAINMENT NOTES:

1) 12" HOLE MUST BE IN CENTER OF PAD.
2) CONTAINMENT BOX MUST BE COMPLETELY CONSTRUCTED OF STAINLESS STEEL.
3) CONTAINMENT BOX MUST BE EQUIPPED WITH A LOCKABLE DOOR.
4) THIS IS THE PREFERRED INSTALLATION IN LOW TRAFFIC AREAS.

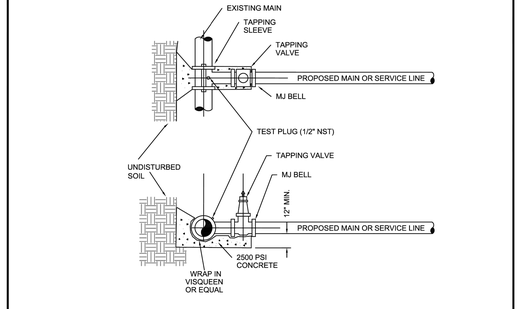


1. AUTOMATIC AIR RELEASE WITH BACKWASH ACCESSORIES, MANUFACTURED BY APCO MODEL 400, VAL-MATIC MODEL 48 OR HI-TEC MODEL 986 FOR POTABLE & REUSE. WASTEWATER SHALL BE HI-TEC MODEL 986 ONLY.
2. PIPE AND FITTINGS SHALL BE THREADED SCH 80 316 STAINLESS STEEL
3. SS 316 BALL VALVE
4. POLYTUBING
5. SERVICE SADDLE (INCLUDING BODY) SHALL BE STAINLESS STEEL TPS SERIES T3 WITH SS 316 BAND(S) AND HARDWARE
6. CAV's SHALL BE PLACED AT THE HIGH POINT OF THE MAIN.
7. PIPE CAV's DISCHARGE TO NEAREST GRAVITY SEWER MANHOLE AS REQUESTED BY UTILITIES (SEWER & REUSE ONLY).
8. NEW PIPING SHALL BE LAID AS FLAT AS POSSIBLE TO MINIMIZE HIGH POINTS AND ARVS.

AUTOMATIC COMBINATION AIR RELEASE VALVE (CAV) DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		AUTO. COMBINATION AIR RELEASE VALVE	SHEET NO. U-2

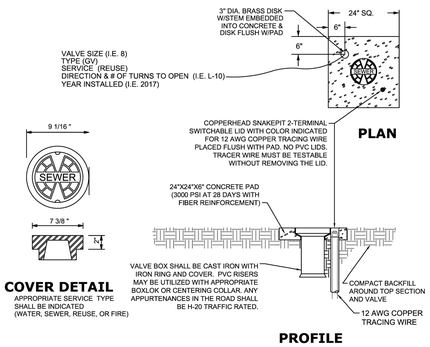


1.) EXISTING MAIN SHALL NOT BE TAPPED UNTIL THE ASSEMBLED SLEEVE AND VALVE ARE TESTED IN PLACE AT A MINIMUM OF 150 PSI FOR THIRTY MINUTES.
2.) UPON SUCCESSFUL TAPPING SLEEVE PRESSURE TEST (NOTE 1), THE THRUST BLOCK SHALL BE POURED AND HAVE SET FOR 24 HRS PRIOR TO TAPPING. READY-MADE THRUST BLOCKS CAN BE USED WITH CITY APPROVAL.
3.) STAINLESS STEEL TAPPING SLEEVE SHALL BE FORD. ALL HARDWARE SHALL BE 316 STAINLESS STEEL. GASKETS SHALL BE VIRGIN SBR COMPOUND.
4.) GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER OR AMERICAN VALVE. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED (INTERIOR AND EXTERIOR) MEET ANSI/AWWA C550, AND BE NSF61 CERTIFIED.
5.) TAPPING SLEEVES MAY ONLY BE USED WHEN THE TAP DIAMETER IS AT LEAST ONE PIPE SIZE SMALLER THAN THE DIAMETER OF THE MAIN BEING TAPPED. TRANSMISSION MAINS SHALL NOT BE TAPPED WITH A TAP LESS THAN 4" IN DIAMETER.
6.) TAPPING/SERVICE SADDLES MAY BE USED FOR TAPS UP TO AND INCLUDING 2" DIAMETER.
7.) ALL TAPS SHALL BE WHOLE NUMBER NOMINAL SIZES, INCLUDING 1", 2", 4", ETC.
8.) VALVE BOX ALIGNMENT DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH W-1 ON ALL VALVES ABOVE 1".

TAPPING SLEEVE & VALVE DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		TAPPING SLEEVE & VALVE	SHEET NO. U-3



COVER DETAIL
APPROPRIATE SERVICE TYPE SHALL BE INDICATED (WATER, SEWER, REUSE, OR FIRE)

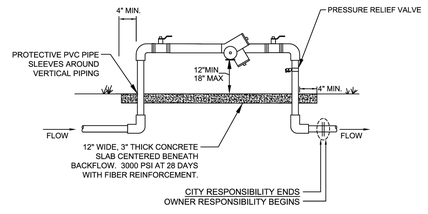
1.) PAVED AREAS: SET CONCRETE PAD AND COVER FLUSH WITH FINISHED PAVEMENT SURFACE.
2.) UNPAVED AREAS: SET PAD AND COVER 1 INCH ABOVE FINISHED GRADE.
3.) VALVES LOCATED IN DITCH AND OVER 4' DEPTH (LINE) MUST USE TRENCH ADAPTER VALVE BOX (AMERICAN FLOW CONTROL)
4.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES (BLUE = WATER, GREEN = SEWER, PURPLE = REUSE). CONTRACTOR SHALL PERFORM CONTINUITY TEST ON ALL TRACER WIRES, WITNESSED BY CITY REPRESENTATIVE. WHERE TRACER WIRE NEEDS TO BE JOINED, CONNECTIONS SHALL UTILIZE DRYCON WATERPROOF CONNECTION OR APPROVED EQUAL. WIRE NUTS AND/OR DUCT TAPE ARE NOT ACCEPTABLE.
5.) PRE-CAST PADS MAY BE USED WITH CITY APPROVAL.
6.) FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
7.) VALVE BOX COVERS SHALL BE PAINTED BLUE FOR POTABLE WATER, PURPLE FOR REUSE WATER, AND GREEN FOR SEWER.

VALVE BOX DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		VALVE BOX	SHEET NO. U-4

6

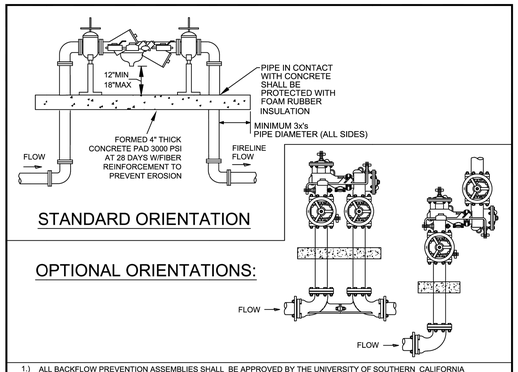


1.) BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM.
2.) ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR ASSE 1013.
3.) ALL ABOVE GROUND PIPING SHALL BE RIGID COPPER.
4.) THE WATER METER AND BACKFLOW PREVENTER SHALL BE THE SAME SIZE.
5.) INSTALLED IMMEDIATELY AFTER THE UTILITY WATER METER, PER THE CROSS CONNECTION CONTROL MANUAL, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY OF VENICE UTILITIES DIRECTOR AND WITH A SIGNED WAIVER AGREEMENT BY THE CUSTOMER.
6.) NO BRANCH OR TEE CONNECTIONS SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
7.) ALL METER BOXES SHALL BE SET FLUSH WITH FINISHED GRADE.
8.) SHEETING SHALL BE A PVC TYPE MATERIAL WITH A MINIMUM OF 40 MIL. THICKNESS.
9.) PROTECTIVE PIPE SLEEVES SHALL BE PVC PIPE ONE SIZE LARGER THAN RISER OR OTHER CITY APPROVED MATERIAL.
10.) PRESSURE RELIEF VALVE SHALL BE INSTALLED.
11.) LINE DOWNSTREAM OF METER AND PRIOR TO BACKFLOW SHALL BE POLYETHYLENE.
12.) NO PVC SMALLER THAN 4" DIAMETER SHALL BE INSTALLED ON CITY-OWNED UTILITIES.

ABOVE GROUND BACKFLOW PREVENTION ASSEMBLY

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - WATER	DATE MAR 2025
ENGINEERING DEPARTMENT		BACKFLOW ASSEMBLY (NO MASTER METER)	SHEET NO. W-5



1.) ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR 1047 OR 1048 ASSE AS APPLICABLE
2.) 45° FITTINGS MAY BE SUBSTITUTED FOR 90° FITTINGS.
3.) PIPE BETWEEN TAP & ISOLATION VALVE SHALL BE C900 PVC OR HDPE.
4.) IF TEEING OFF FOR POTABLE SERVICE, INSTALL INDICATOR VALVE BETWEEN TEE FOR POTABLE SERVICE AND FIRE SERVICE BACKFLOW ASSEMBLY.
5.) ASSEMBLY SHALL BE PAINTED RED WITH ALKYD ENAMEL, EPOXY OR POLYURETHANE BASED PAINT, EXCEPT FOR STAINLESS STEEL PARTS.
6.) VALVE ASSEMBLIES SHALL MEET NFPA 24 REQUIREMENTS AND INDICATOR VALVES SHALL BE PROVIDED.
7.) FOR INSTALLATION REQUIREMENTS, PLEASE REFER TO THE CURRENT FLORIDA FIRE PREVENTION CODE.
8.) FOR FIRE PROTECTION SYSTEMS EQUIPPED WITH A FIRE PUMP, THE PIPE BETWEEN THE CHECK VALVE AND THE OUTSIDE CONNECTION SHALL BE EQUIPPED WITH AN APPROVED BALL DRIP.
9.) BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM.
10.) 5" STORZ INLET CONNECTION MAY BE REDUCED FOR PIPE SIZES LESS THAN 5".
11.) FIRE SERVICES ARE PRIVATELY OWNED AND MAINTAINED FROM THE TAP OR POINT WHERE THE SYSTEM BECOMES EXCLUSIVELY USED FOR FIRE PROTECTION. THIS INCLUDES THE ISOLATION VALVE OR POSITION INDICATOR VALVE (PIV).

FIRE SERVICE BACKFLOW ASSEMBY

SIZE 2" - 10"

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - WATER	DATE MAR 2025
ENGINEERING DEPARTMENT		FIRE SERVICE BACKFLOW ASSEMBLY	SHEET NO. W-9

RICONDO®
RINCONDO & ASSOCIATES, INC.
3504 LAKE LYNDA DRIVE, SUITE 165, UNIT 140
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MDG MOHSEN DESIGN GROUP
MOHSEN DESIGN GROUP INCORPORATED
2202 N. WESTSHORE BLVD., SUITE 200
TAMPA, FL 33607

MOHSEN MOHAMMADI LICENSE No 47813 09/16/2025 STATE OF FLORIDA PROFESSIONAL ENGINEER

HDg Architecture
127 W. FAIRBANKS AVE., # 140
WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
1.	BID RFI'S.	
	ADD FIRE SERVICE BACKFLOW	
	ASSEMBLY.	11/15/24
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport
150 AIRPORT AVE. E, VENICE, FL 34285

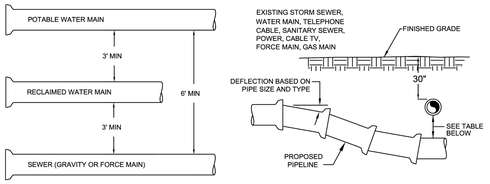
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

UTILITY DETAILS

C904

CONFORMED SET

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MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)

(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)

	WATER MAIN	FORCE MAIN	SANITARY SERVICE	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	3	6	6	3	3	3
FORCE MAIN	6	3	3	3	3	3
SANITARY SEWER	6	3	3	3	3	3
REUSE MAIN	3	3	3	3	3	3
STORM WATER	3	3	3	3	3	3
OTHER UTILITIES	3	3	3	3	3	3

MINIMUM VERTICAL SEPARATION DISTANCES (IN)

(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)

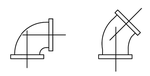
	WATER MAIN	FORCE MAIN	SANITARY SERVICE	REUSE MAIN	STORM WATER	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)
WATER MAIN	6	12	12	6	6	6
FORCE MAIN	12	6	6	6	6	6
SANITARY SEWER	12	6	6	6	6	6
REUSE MAIN	6	6	6	6	6	6
STORM WATER	6	6	6	6	6	6
OTHER UTILITIES	6	6	6	6	6	6

1.) MAXIMUM JOINT DEFLECTION SHALL BE 90% OF MANUFACTURER'S RECOMMENDATION.
2.) WHEREVER POSSIBLE, THE LAYOUT OF UTILITIES SHALL PLACE SANITARY SEWER AND SEWER FORCE MAINS BELOW RECLAIMED MAINS AND BELOW WATER MAINS, RESPECTIVELY. WHERE WATER MAINS ARE ABOVE GRAVITY SEWERS OR WASTEWATER FORCE MAINS, A VERTICAL CLEARANCE OF 6 INCHES IS ACCEPTABLE. STORM SHALL BE PLACED BELOW BOTH WATER AND SEWER WHERE POSSIBLE.
3.) ACCEPTABLE VARIANCES:
   A. WHERE HORIZONTAL SEPARATION CANNOT BE MAINTAINED, C900 DR14 PVC PIPE SHALL BE USED FOR ONE OF THE PIPELINES.
   B. WHERE VERTICAL CLEARANCE CANNOT BE MAINTAINED, ONE FULL LENGTH OF DR14 C900 PIPE SHALL BE INSTALLED CENTERED AT THE POINT OF CROSSING.
   C. WHERE 36" MINIMUM DEPTH OF COVER CANNOT BE MAINTAINED, SPECIAL PROTECTION OR PIPE MATERIAL UPGRADE MAY BE REQUIRED, AT THE DISCRETION OF THE UTILITY DEPARTMENT.
4.) NO UTILITY PIPE SHALL PASS THROUGH, OR COME IN CONTACT WITH ANY PART OF A SANITARY MANHOLE OR STORMWATER STRUCTURE WITHOUT APPROVAL FROM THE UTILITIES DIRECTOR OR CITY ENGINEER.

UTILITY CONFLICT & SEPARATION DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		UTILITY CONFLICTS & SEPARATIONS	SHEET NO. U-5



1.) ALL PIPE FITTINGS SHALL BE COMPACT, DUCTILE IRON.
2.) ALL APPLICATIONS (RAW, POTABLE, REUSE, SEWER) SHALL BE FUSION BONDED EPOXY COATED INSIDE AND OUT.
3.) ALL FITTINGS SHALL MEET ANSI/AWWA C116/A21.16 STANDARDS.
4.) ALL HARDWARE SHALL BE 316 SS.
5.) ALL FITTINGS FOR SANITARY SEWER SHALL BE HEAVY WALL SDR 26 PVC.

PIPE FITTINGS

N.T.S.

SERVICE	COLOR	MATERIAL/CLASS
POTABLE WATER MAIN	BLUE	AWWA C900 PVC / DR 18 FUSIBLE C900 PVC / DR 18 CERT-A-LOK C900 PVC / DR 18 HDPE PPI PE 4710 / DR 11 / DIPS (WITH UTILITIES DEPARTMENT APPROVAL)
RAW WATER MAIN	WHITE	
REUSE MAIN	PURPLE	
FORCE MAIN (MIN. 4" DIAMETER)	GREEN	
WATER SERVICE	BLUE	PE (POLYTUBING) / DR 9
REUSE SERVICE	PURPLE	PE (POLYTUBING) / DR 9
GRAVITY SEWER MAIN (MIN. 8" DIAMETER)	GREEN	ASTMD3034 / SDR 26
SEWER LATERAL (MIN. 6" DIAMETER)	GREEN	ASTMD3034 / SDR 26

PIPE MATERIAL SCHEDULE

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		PIPE FITTINGS & MATERIAL	SHEET NO. U-6

MINIMUM LENGTH (FT) OF FORCE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING										
FITTING		PIPE SIZE (INCHES) 4	6	8	10	12	16	18	20	24
45 BEND:	H	6	9	12	14	16	21	23	25	29
	VU	4	6	7	9	10	13	15	16	19
	VD	12	20	26	32	37	48	53	28	68
22.5 BEND:	H	3	4	6	7	8	10	11	12	14
	VU	2	3	4	4	5	6	7	8	9
	VD	7	10	13	15	18	23	26	28	33
11.25 BEND:	H	2	2	3	3	4	5	5	6	7

MINIMUM LENGTH (FT) OF WATER OR REUSE MAIN TO BE RESTRAINED ON EACH SIDE OF FITTING										
FITTING		PIPE SIZE (INCHES) 4	6	8	10	12	16	18	20	24
90 BEND:	H	23	33	43	51	60	76	83	90	104
45 BEND:	H	10	14	18	21	25	31	34	37	43
	VU	6	8	11	13	16	20	22	24	28
	VD	22	30	40	48	56	72	80	87	102
22.5 BEND:	H	5	7	8	10	12	15	17	18	21
	VU	3	4	5	6	7	10	11	12	14
	VD	10	15	19	23	27	35	38	42	49
11.25 BEND:	H	2	3	4	5	6	7	8	9	10
VALVES/PLUGS		52	73	96	115	136	174	193	211	246

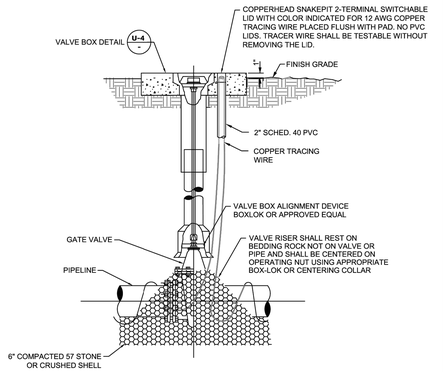
ABBREVIATIONS: H=HORIZONTAL, VU=VERTICAL UP, VD=VERTICAL DOWN.

1.) FOR TEE OR REDUCER FITTINGS SUBMIT RESTRAINED JOINT LENGTH CALCULATIONS TO CITY ENGINEER FOR REVIEW AND APPROVAL, USING THE ASSUMPTIONS LISTED ABOVE.
2.) RESTRAINED JOINT LENGTH FOR WATER AND REUSE MAINS BASED ON TEST PRESSURE OF 150 PSI. RESTRAINED JOINT LENGTH FOR FORCE (SEWER) MAINS BASED ON TEST PRESSURE OF 100 PSI. CALCULATIONS WERE MADE USING EBAA IRON SOFTWARE (AVAILABLE AT WWW.EBAA.COM) AND THE FOLLOWING ASSUMPTIONS: GRANULAR MATERIAL (GM) SOIL TYPE, TRENCH TYPE 3, BURY DEPTH OF 3 FT, AND SAFETY FACTOR OF 2 TO 1. IF FIELD CONDITIONS DIFFER FROM ABOVE ASSUMPTIONS EOR SHALL PROVIDE CALCULATIONS BASED ON ACTUAL CONDITIONS.
3.) RESTRAINED JOINT SHALL BE USED ON ALL JOINTS FROM ANY MAIN TEE TO ANY FIRE HYDRANT ASSEMBLY.
4.) THRUST BLOCKS WILL NOT BE ACCEPTED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5.) ALL HARDWARE SHALL BE 316 SS.

PRESSURE MAIN RESTRAINED JOINT TABLE

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - GENERAL	DATE MAR 2025
ENGINEERING DEPARTMENT		RESTRAINED JOINT TABLE	SHEET NO. U-7



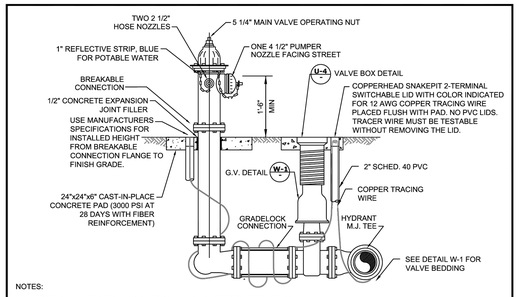
1.) GATE VALVES SHALL BE RESILIENT WEDGE-TYPE MANUFACTURED BY MUELLER, AMERICAN VALVE, OR EQUAL. ALL GATE VALVES SHALL BE FUSION BONDED EPOXY COATED (INTERIOR AND EXTERIOR) MEET ANSI/AWWA C550, AND BE NSF61 CERTIFIED. BRANCH VALVES SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE TEE.
2.) GATE VALVES SHALL BE NOMINAL SIZES: 2", 4, 6", ETC. NO GATE VALVES SMALLER THAN 2". FOR VALVES LARGER THAN 12" IN USE BUTTERFLY STYLE VALVE.
3.) VALVE SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4.) COPPERHEAD TRACING WIRE PART #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
5.) FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "V" DIRECTLY PERPENDICULAR TO THE VALVE BOX.
6.) ALL BOLTS AND HARDWARE SHALL BE 316 SS.
7.) SIGNIFICANT UTILITY CROSSINGS, SUCH AS DITCHES, WATER BODIES, AND MAJOR ROADS, SHALL HAVE ISOLATION VALVES ON EACH SIDE OF THE CROSSING.

GATE VALVE DETAIL

(WATER AND REUSE ONLY)

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - WATER	DATE MAR 2025
ENGINEERING DEPARTMENT		GATE VALVE	SHEET NO. W-1

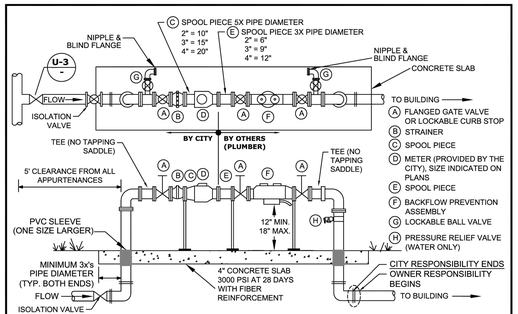


NOTES:
1.) POTABLE WATER FIRE HYDRANTS SHALL BE PAINTED "SAFETY YELLOW".
2.) REUSE FIRE HYDRANTS SHALL BE PAINTED PANTONE PURPLE 522C AND TAGGED WITH A PERMANENT LABEL "RECLAIMED WATER-DO NOT DRINK."
3.) HYDRANT SHALL BE MUELLER SUPER CENTURIAN MODEL A423, AMERICAN B84B-5 WITH BREAK-AWAY FEATURE. ALL BOLTS SHALL BE SS (BONNET, SAFETY FLANGE, SHOE).
4.) RESTRAINED JOINTS SHALL BE USED BETWEEN TEE AND HYDRANT.
5.) HYDRANTS SHALL HAVE "OUT OF SERVICE" TAGS AND BE BAGGED UNTIL MAINS ARE ACCEPTED BY CITY.
6.) ALL WEEP HOLES SHALL BE PLUGGED.
7.) HYDRANT LOCATED AT LEAST 3' OR MORE FROM ANY STORM WATER PIPE OR DITCH AND AT LEAST 6' OR MORE FROM ANY SANITARY SEWER STRUCTURE. FOR CLEARANCE ISSUES, PLEASE REFER TO CURRENT FLORIDA FIRE PREVENTION CODE REQUIREMENTS.
8.) RAISED REFLECTIVE PAVEMENT MARKERS (RPM), BLUE FOR POTABLE WATER, SHALL BE INSTALLED ON THE PAVEMENT DIRECTLY ACROSS FROM THE HYDRANT IN ACCORDANCE WITH THE FDOT TRAFFIC ENGINEERING MANUAL, CHAPTER 4, SECTION 4.3 OR MOST CURRENT ADDITION.
9.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO REFLECT WHAT THE PIPE CARRIES. (BLUE = WATER, PURPLE = REUSE)
10.) ASSEMBLY SHALL BE BEDDED IN 8" OF 57 STONE OR CRUSHED SHELL AND INSTALLED AT PROPER BURIAL DEPTH.
11.) FIRE HYDRANT ASSEMBLY INCLUDES GATE VALVE TO BE LOCATED AS CLOSE TO WATER MAIN AS POSSIBLE.
12.) GRADE-LOK CONNECTION MAY BE USED BETWEEN VALVE AND HYDRANT. FUSION BONDED EPOXY. ROTATE TO FINAL GRADE.

FIRE HYDRANT ASSEMBLY DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - WATER	DATE MAR 2025
ENGINEERING DEPARTMENT		FIRE HYDRANT ASSEMBLY	SHEET NO. W-2



A FLANGED GATE VALVE OR LOCKABLE CURB STOP
B STRAINER
C SPOOL PIECE
D METER (PROVIDED BY THE CITY), SIZE INDICATED ON PLANS
E SPOOL PIECE
F BACKFLOW PREVENTION ASSEMBLY
G LOCKABLE BALL VALVE
H PRESSURE RELIEF VALVE (WATER ONLY)

1.) EITHER 90°-DEGREE OR 45°-DEGREE FITTINGS MAY BE USED WITH THE REQUIRED LENGTH OF RESTRAINED JOINT FITTINGS.
2.) BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE DETERMINED BY THE CITY OF VENICE UTILITIES DEPARTMENT'S MOST CURRENT CROSS-CONNECTION CONTROL PROGRAM MANUAL (CCM), AND SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE METER. RPZ OR DOUBLE CHECK BFP SHALL BE INSTALLED ABOVE GROUND PER CCM TABLE 3.1.
3.) ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH AND/OR ASSE 1013.
4.) ALL CONCRETE PIPE PENETRATIONS SHALL BE PROTECTED WITH A PVC SLEEVE, ONE SIZE LARGER THAN RISER PIPE.
5.) VALVES SHALL BE FULL PORTED FULL FLOW BALL VALVES OR RESILIENT WEDGE OS&Y GATE VALVES.
6.) THE BACKFLOW ASSEMBLY SHALL MATCH THE WATER METER SIZE.
7.) METERS 1-1/2" AND UP WILL HAVE FLANGES. LAY LENGTHS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ASSEMBLIES. NO SPOOL PIECE REQUIRED FOR 1 1/2".
8.) METERS 1-1/2" AND SMALLER REQUIRE A LOCKABLE CURB STOP.
9.) ALL COMMERCIAL AND MULTI FAMILY UNIT METERS MUST BE ABOVE GRADE. REUSE METERS 2" AND LESS MAY BE BELOW GROUND.
10.) BACKFLOW PREVENTION ASSEMBLY AND BYPASS ARE NOT REQUIRED FOR REUSE METER.
11.) BACKFLOW PREVENTION ASSEMBLIES SHALL ONLY BE BY-PASSED IF A TEMPORARY RP IS INSTALLED ON BY-PASS.
12.) NO BRANCH OR TEE SERVICE CONNECTIONS SHALL EXIST BETWEEN THE WATER METER AND BACKFLOW PREVENTER.
13.) THE ENGINEER OF RECORD SHALL SUBMIT METER SIZING CALCULATIONS BASED ON SERVICE DEMAND PER AWWA M-22 AND SUBJECT TO APPROVAL BY THE UTILITY DEPARTMENT.
14.) PARALLEL BACKFLOW ASSEMBLY MAY BE PERMITTED TO ALLOW FOR UNINTERRUPTED SERVICE AND SHALL PROVIDE THE SAME DEGREE OF PROTECTION OR GREATER.
15.) NO PVC SHALL BE PERMITTED ON THE CITY SIDE.

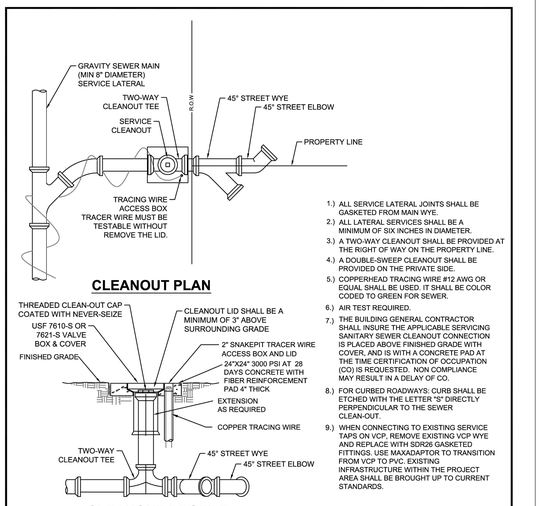
METER SIZE	BY-PASS SIZE
1 1/2", 2"	1"
3", 4"	2"
6"	4"
8"	6"

REUSE METER, WATER METER, & BACKFLOW PREVENTION ASSEMBLY

ABOVE GROUND METER, 2" & LARGER

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - WATER	DATE MAR 2025
ENGINEERING DEPARTMENT		WATER & REUSE METER & BACKFLOW	SHEET NO. W-4

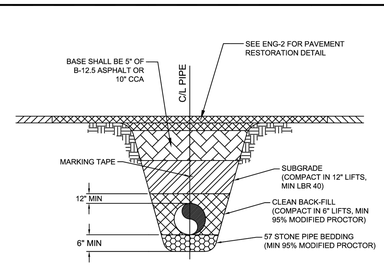


1.) ALL SERVICE LATERAL JOINTS SHALL BE GASKETED FROM MAIN WYE.
2.) ALL LATERAL SERVICES SHALL BE A MINIMUM OF SIX INCHES IN DIAMETER.
3.) A TWO-WAY CLEANOUT SHALL BE PROVIDED AT THE RIGHT OF WAY ON THE PROPERTY LINE.
4.) A DOUBLE-SWEEP CLEANOUT SHALL BE PROVIDED ON THE PRIVATE SIDE.
5.) COPPERHEAD TRACING WIRE #12 AWG OR EQUAL SHALL BE USED. IT SHALL BE COLOR CODED TO GREEN FOR SEWER.
6.) AIR TEST REQUIRED.
7.) THE BUILDING GENERAL CONTRACTOR SHALL INSURE THE APPLICABLE SERVICING SANITARY SEWER CLEANOUT CONNECTION IS PLACED ABOVE FINISHED GRADE WITH COVER, AND IS WITH A CONCRETE PAD AT THE TIME CERTIFICATION OF OCCUPATION (CO) IS REQUESTED. NON COMPLIANCE MAY RESULT IN A DELAY OF CO.
8.) FOR CURBED ROADWAYS: CURB SHALL BE ETCHED WITH THE LETTER "S" DIRECTLY PERPENDICULAR TO THE SEWER CLEAN-OUT.
9.) WHEN CONNECTING TO EXISTING SERVICE TAPS ON VCP, REMOVE EXISTING VCP WYE AND REPLACE WITH SDR26 GASKETED FITTINGS. USE MAXADAPTOR TO TRANSITION FROM VCP TO PVC. EXISTING INFRASTRUCTURE WITHIN THE PROJECT AREA SHALL BE BROUGHT UP TO CURRENT STANDARDS.

SANITARY SEWER SERVICE & CLEANOUT DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - SEWER	DATE MAR 2025
ENGINEERING DEPARTMENT		SEWER SERVICE & CLEANOUT	SHEET NO. S-4



1.) MINIMUM COVER SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE.
2.) INSTALLATION OF PIPE SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3.) PAVEMENT RESTORATION SHALL CONFORM WITH DETAIL ENG-2 OF THESE CITY STANDARDS. FOR NEW CONSTRUCTION, THE FIRST LIFT OF ASPHALT SHALL BE IN PLACE PRIOR TO RECORD DRAWING REVIEW.
4.) ALL UTILITIES (PUBLIC AND PRIVATE) THAT CROSS A DITCH / SWALE SHALL BE 36" MIN BELOW THE ACTUAL / DESIGN BOTTOM OF CONVEYANCE.
5.) MARKING TAPE SHALL BE PROVIDED PER U-1.

SEWER PIPE TRENCH DETAIL

N.T.S.

CITY OF VENICE	401 W VENICE AVE VENICE, FL 34285 (941) 486-2626	UTILITIES - SEWER	DATE MAR 2025
ENGINEERING DEPARTMENT		SEWER PIPE TRENCH	SHEET NO. S-6

RINCONDO & ASSOCIATES, INC.
3504 LAKE LYNDA DRIVE, SUITE 165, UNIT 140
ORLANDO, FL 32817

MOHSEN DESIGN GROUP INCORPORATED
2202 N. WESTSHORE BLVD., SUITE 200
TAMPA, FL 33607

MOHSEN MOHAMMADI LICENSE No 47813 STATE OF FLORIDA PROFESSIONAL ENGINEER 09/16/2025

HDg Architecture
127 W. FAIRBANKS AVE., # 140
WINTER PARK, FL 32789
(PH.) 407-739-9000

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

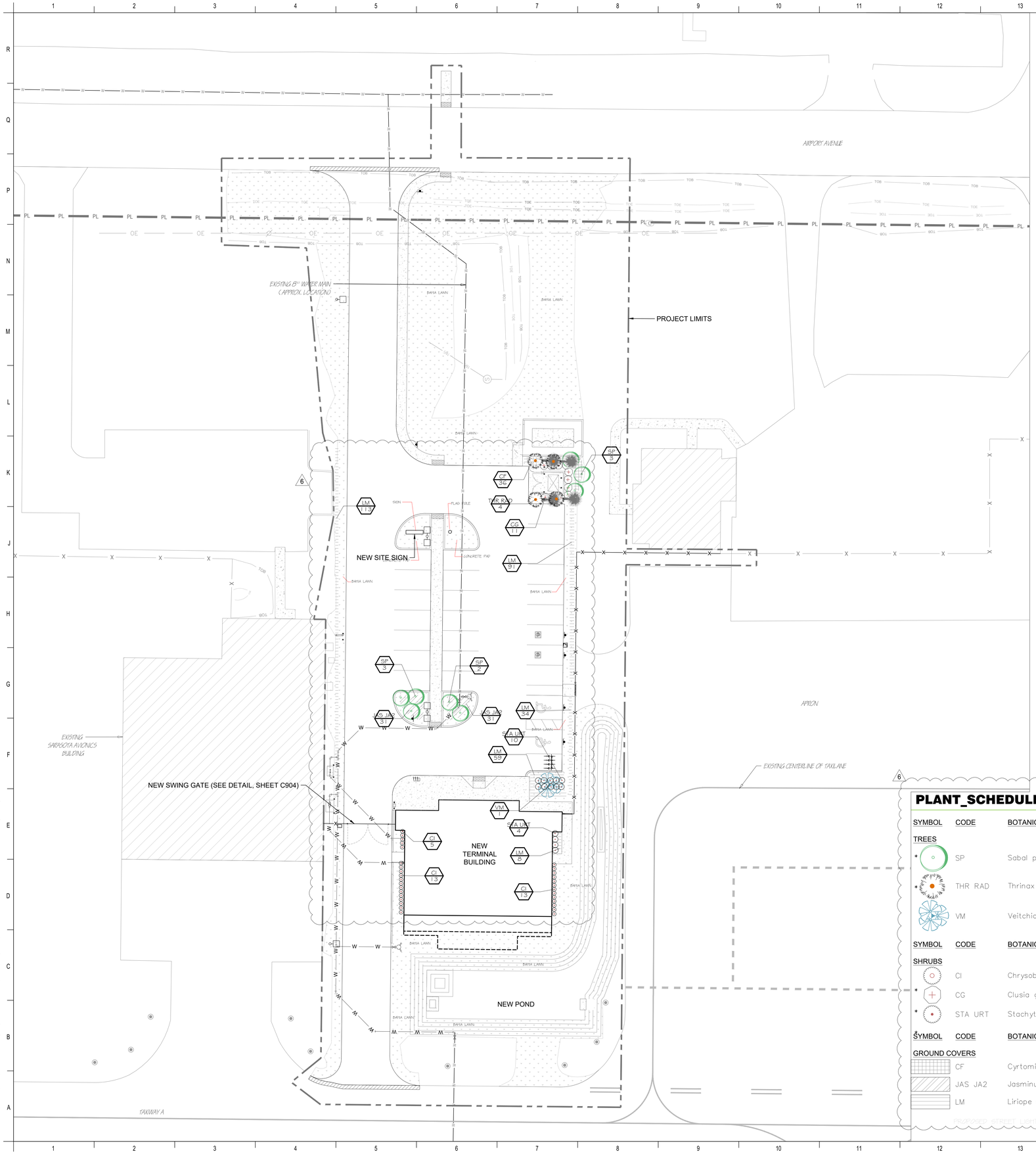
Issue Date: SEP. 16, 2025
MDG Project No. RIC23005
Drawn By: YZY
Checked By: ZM

UTILITY DETAILS

C905

CONFORMED SET

Plotted: c:\Users\Yon\mohsen design group dropbox\MDG\Projects\VNC\ric23005-vnc-terminal\05-drawings\dwg\RIC23005 C901-C905-STD.dwg - Yon



NOTES: * INDICATES NATIVE PLANT MATERIALS.
SEE SHEET L2.0 FOR DETAILS & NOTES.

LEGEND

- AIRPORT PROPERTY LINE
- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TAXIWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- EXISTING AIRPORT FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD UTILITIES
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING WATER MAIN
- EXISTING FORCE MAIN
- EXISTING SANITARY SEWER LINE
- EXISTING GAS LINE
- EXISTING TOE OF SLOPE
- EXISTING TOP OF BANK
- EXISTING TAXIWAY LIGHT
- EXISTING COMMUNICATION SERVICE BOX
- EXISTING BACKFLOW PREVENTER
- EXISTING DITCH BOTTOM INLET
- EXISTING STORM INLET
- EXISTING WOOD UTILITY POLY
- NEW FENCE
- NEW PAVEMENT
- NEW CONCRETE
- NEW LIGHT
- NEW WATER MAIN
- NEW SANITARY SEWER LINE
- NEW GAS LINE

PLANT_SCHEDULE_PLANTING_P-LAN

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
TREES						
*	SP	Sabal palmetto / Cabbage Palmetto	B & B		16–20' O.A.	8
*	THR RAD	Thrinax radiata / Florida Thatch Palm	25 gal		8–10' O.A.	4
	VM	Veitchia merrillii / Manila Palm	B & B		12–14' TRIPLE	1

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
SHRUBS						
	CI	Chrysobalanus icaco 'Red Tip' / Red Tip Cocoplum	3 gal	2' X 2'		31
*	CG	Clusia guttifera / Small Leaf Clusia	3 gal	2' X 2'	3' O.C.	11
*	STA URT	Stachytarpheta urticifolia / Blue Porterweed	3 gal	2' X 18\"		14

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	FIELD2	FIELD3	SPACING	QTY
GROUND COVERS							
	CF	Cyrtomium falcatum / Holly Fern	3 gal	8\" x 10\"		24" o.c.	36
	JAS JA2	Jasminum volubile / Wax Jasmine	1 gal	8\" x 10\"		24" o.c.	62
	LM	Liriope muscari 'Emerald Goddess' / Liriope	1 gal@	12\" X8\"		18" o.c.	305

PROCEED TO SHEET L2.0

RICONDO®
RINCONDO & ASSOCIATES, INC.
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JAMES M. TOWERY & ASSOCIATES
LANDSCAPE ARCHITECTS & PLANNERS
P.O Box 50933
Bradenton, Florida 34204
Tel 941/748-3096
jmtdesign@gmail.com

REVISIONS		
MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25
6.	CITY COMMENTS.	05/20/25

NEW TERMINAL BUILDING

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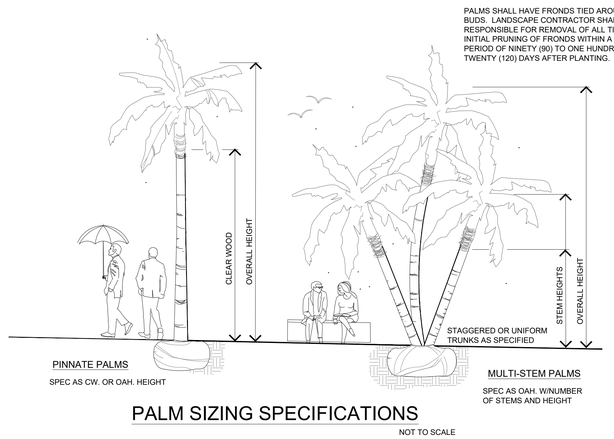
Issue Date: JUNE 03, 2025
MDG Project No. 23710
Drawn By:
Checked By:

LANDSCAPE PLAN

L1.0

CONFORMED SET

Plotted: c:\Users\Yon\mohsen design group dropbox\MDG\Projects\VNC\vic23005-vnc-terminal\05-drawings\Dwg\RIC23005 L1.0-L1.1-LSP IRR V3.dwg - Yon



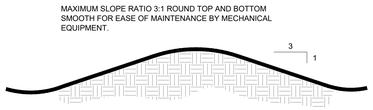
PALM SIZING SPECIFICATIONS

NOT TO SCALE

INVESTIGATE BEFORE YOU EXCAVATE

"CALL SUNSHINE"
1-800-432-4770
TOLL FREE

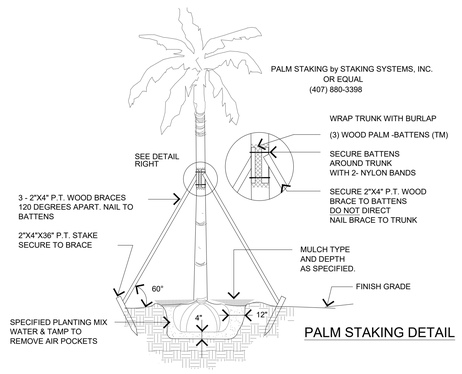
FL. STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE.



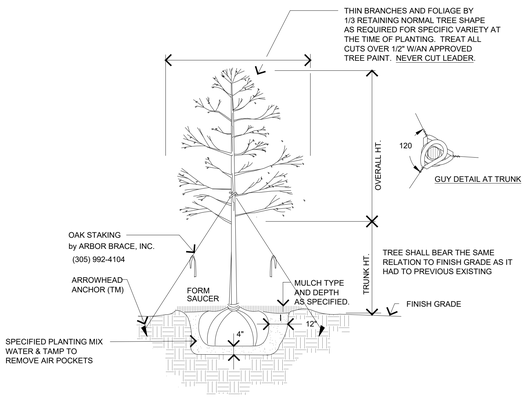
ALL BERM AREAS SHALL RECEIVE CLEAN TOP SOIL IN QUANTITIES AS INDICATED ON THE PLANS. GRADE WITH A MAXIMUM 3:1 SIDE SLOPE (UNLESS OTHERWISE SPECIFIED) TO MEET SHAPES INDICATED BY CONTOUR LINES. CONTOUR LINES SHOWN INDICATE A 1'-0" CONTOUR INTERVAL AND DO NOT REFLECT ACTUAL SITE GRADES.

EARTH BERM DETAIL

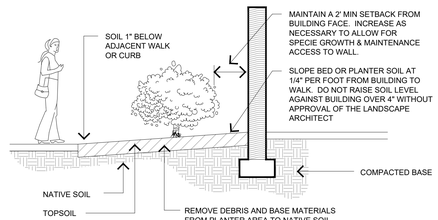
NOT TO SCALE



PALM STAKING DETAIL

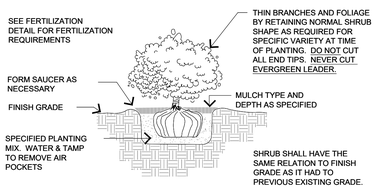


TREE PLANTING, STAKING & PRUNING

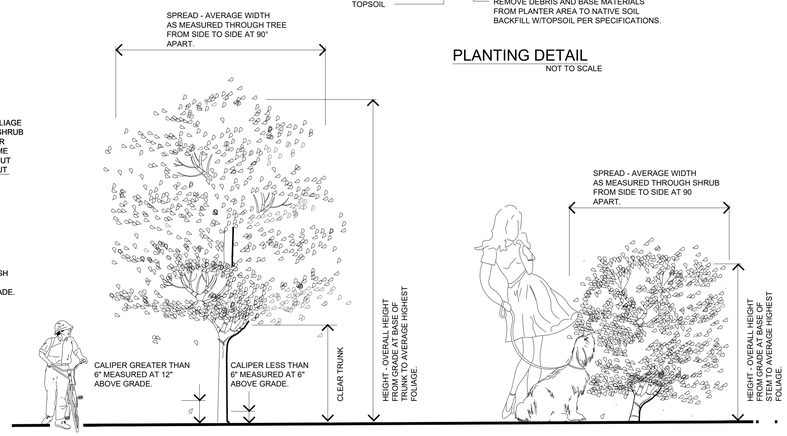


PLANTING DETAIL

NOT TO SCALE



SHRUB PLANTING



TREE & SHRUB SIZING SPECIFICATION

SOIL PREPARATION AND PLANTING MIX

1. Prior to installtion, the landscape contractor shall determine the adequacy of the existing soil for sustaining plants. The contractor shall provide soil samples taken from 5 to 6 locations on the site mixed together and sent to an approved laboratory for analysis of pH, fertility and composition. Recommendations for deficiencies shall be determined by the landscape contractor.
2. Prior to installtion, the landscape contractor shall determine the adequacy of the soil for drainage and percolation. A shovel width hole 36" deep shall be dug in appropriate planting bed locations, filled with water and monitored for a percolation rate. Inadequate percolation shall be reported to the landscape architect or owner for correction. The landscape contractor shall be responsible for replacement of all plants due to inadequate drainage conditions if poor conditions are not reported.
3. All existing turf and weed areas shall be treated with Round-up herbicide as necessary to eliminate all turf and weeds. A minimum of two (2) applications are required - an initial application and a second application 7 to 10 days later. Apply as per manufacturer's recommendations. Areas shall be mechanically scraped to remove dead foliage and litter. All debris shall be removed from the site.
4. All Herbicide and pesticides shall be applied by a licensed applicator as per state and other codes.
5. All earth and fill operations shall be brought within 1/10 of a foot of finished grade by others. The landscape contractor shall be required to adjust finished grades where necessary to meet walks, pavements, drives, etc. at proper elevation for sod and mulching operations.
6. A topsoil mixture shall be spread over the site to a depth of 3" in all sod areas and 6" in all planting beds.
7. Topsoil shall be natural, fertile agricultural soil capable of sustaining vigorous plant growth. It shall be uniform composition throughout and free of stones, lumps, live plants, roots and other extraneous material. pH shall be in the range of 5.5 to 6.5.
8. Before placing topsoil, scarify the subsoil to a depth of 3". Remove debris and stones 1" diameter or larger.
9. Finish grade to be a smooth even surface assuring positive drainage away from structures. Eliminate any low areas which may collect water.
10. Amend backfill of all shrubs and groundcovers with 1/3 clean Florida Peat or approved planting mix. Mix organic soil amendments thoroughly with with the native soil before backfilling planting pits.
11. Planting Soil Mix for Trees, Shrubs and Groundcovers shall consist of a thoroughly blended mixture of:
    a. Royal Palms
       60% Clean DOT Sand
       40% Approved Planting Mix
    b. All Other Palms
       90% Clean DOT Sand
       10% Approved Planting Mix
    c. Shrubs and Groundcovers
       70% Clean DOT Sand
       30% Approved Planting Mix

FERTILIZATION

1. Contractor shall correct pH as necessary as determined from required Soil Samples.
2. Contractor shall determine the fertilization needs based on the results of the soil tests. Appropriate rates of a slow release fertilizer meeting the local ordinances shall be applied to all trees, palms, shrubs and groundcovers.
3. Cost of fertilization shall be included in the initial cost of the plant material.

IRRIGATION NOTES

Irrigation Plans shall be prepared by others.

The system shall be fully automatic and provide 100% coverage of the site.

The Irrigation System shall provide:
1. Rain Sensor Gauge
2. Separate Zones to irrigate Turf and shrubs.
3. Connection to the developer's water source.

The programing of the system shall take into consideration slow percolating soils.

PLANTING NOTES

1. The contractor shall refer to the landscape planting details, Plant List and, General Notes for complete landscape planting instructions.
2. Installation of all work shall be coordinated with other contractors on the site in such a manner as to allow for a speedy and orderly completion of all work on the site. The landscape contractor shall closely coordinate with the irrigation contractor.
3. Contractors are cautioned to be aware of underground utilities. Prior to excavation, the contractor shall check with the job site superintendent and utility companies for a location of all utilities.
4. Any conditions found contrary to the plans shall be reported to the Landscape Architect for resolution along with a suggested course of action prior to altering the design solution presented in the plans.
5. Prior to the installation of an operable irrigation system, the contractor shall be responsible for the hand watering of all tree, palms, shrubs and groundcovers that may be installed. Watering shall be a min of five (5) times per week and of sufficient quantitiy to guarantee the maintenance of plant material quality until such time as an operable irrigation system is available.
6. It is the responsibility of the landscape contractor to assure that the plantings are receiving proper irrigation prior to the acceptance of the project by the owner. The landscape contractor shall coordinate with the irrigation contractor to adjust the system if too little or too much water is being applied
7. The landscape contractor shall be responsible for the replacement of plant material experiencing transplant shock due to the lack of water at any time during the planting operation.
8. Mark out the locations of all planting beds and tree locations prior to the installation of the irrigation system so as to facilitate the layout of the irrigation system and tree bubblers.
9. Plant material shall be Florida No 1, or better quality as per "Grades and Standards for Nursery Plants", Florida Dept. of Agriculture and Consumer Affairs, or shall match quality standards as previously established by the Landscape Architect through the tagging of representative samples.
10. All plant material shall either be sun or shade grown, as appropriate for the conditions on the site where the material is to be planted.
11. All plant material shall be protected during transport and delivery to the job site with shade cloth or other acceptable means of windburn protection
12. The plant count quantities in the Plant List are for the convenience of the Landscape Contractor. Contractors shall verify all plant counts with the specified quantities on the landscape plans. The landscape contractor is responsible for all materials drawn n the plan.
13. At his discretion, the landscape architect may require plants to be set in place and approved prior to installation. The landscape contractor shall call to schedule the inspection four (4) working days in advance.
14. Typically, shrub and groundcover plantings are shown on plans as a mass planting bed. Plants shall be placed on a triangular spacing configuration with staggered spacing. Plant center to center spacing (o.c.) are listed in the Plant List.
15. Trees grown in Grow Bags or grow bag type of materials must have the grow bag material completely removed prior to planting.
16. Balled and burlapped material shall have the top one half (1/2) of the burlap around the base of the trunk cut and pulled back. Do not remove burlap. Wire Cages, straps, etc. must be cut and removed prior to installtion.
17. Trees shall be staked by means of an Arborbrace Tree Guying System.
18. Ronstar, Surflan or other approved pre-emergent herbicide shall be applied to all planting beds in accordance with the manufacturer's recommended rate and specifications.
19. The landscape contractor shall mulch all plant beds with a clean, weed free mulch of a type and of a depth as noted in the plant list. All free standing trees shall have a minimum of a 5' diameter mulch circle extending past the outside of the the planting pit saucer. Do not mulch annual beds.
20. Sod shall be of the type as noted in the Plant List. All sod shall be free of nuisance species, exotic or invasive weeds or their seed. Sod shall be laid with tight joints, rolled and fertilized at time of installtion.
21. The contractor shall guarantee all plant material for a period of one year following the date of substantial completion.
22. The contractor shall request an inspection of the project. If all work is complete and satisfactory in accordance with the contract documents, then the installtion shall be considered substantially complete. Substantial completion shall constitute the beginning of the guarantee period.
23. The landscape contractor shall provide the owner a complete maintenance program to be followed during and after the warrantee period. During the warrantee period, the landscape contractor shall not be held responsible for theft, vandalism or unusual acts of God.
24. All plant material shall be Florida #1 or better quality at time of planting and shall be maintained in this same condition until final acceptance. Decline in condition and quality prior to acceptance shall be grounds for rejection and replacement.
25. Removal of all staking and guy wires shall be the responsibility of the owner after plant establishment. The landscape contractor must agree to removal if done within the warrantee period.

6

PLANT_SCHEDULE_PLANTING_P-LAN

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
TREES						
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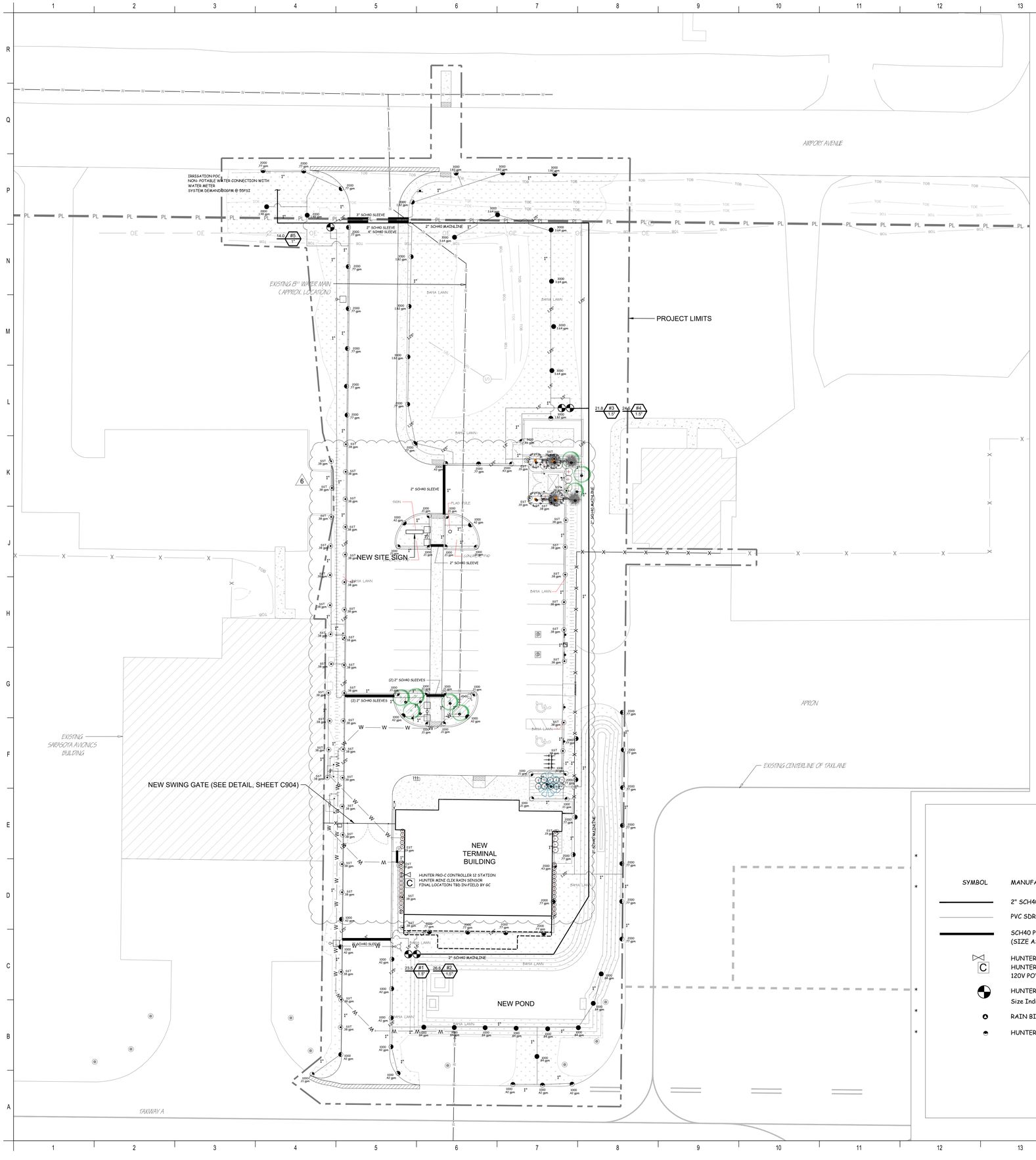
Issue Date: JUNE 03, 2025
MDG Project No. R2220005
Drawn By: YZY
Checked By: ZM

LANDSCAPE DETAILS

L1.1

CONFORMED SET

Plotted: c:\Users\Yan\mohsen design group dropbox\MDG\Projects\VNC\ric23005-vnc-terminal\05-drawings\Dwg\RIC23005 L1.0-L1.1-LSP IRR V3.dwg - Yan



LEGEND

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- PROJECT LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING CONCRETE
- TOFA — TAXIWAY OBJECT FREE AREA
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- EXISTING TREE
- W — EXISTING WATER MAIN
- FM — EXISTING FORCE MAIN
- SAN — EXISTING SANITARY SEWER LINE
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- NEW SANITARY SEWER LINE
- NEW GAS LINE

NOTES: * INDICATES NATIVE PLANT MATERIALS.
SEE SHEET L2.0 FOR DETAILS & NOTES.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL
	2" SCH40 IRRIGATION MAINLINE W/ SCH40 FITTINGS
	PVC SDR21 CL200 LATERAL PIPING W/SCH40 FITTINGS
	SCH40 PVC SLEEVES (SIZE AS INDICATED ON PLANS)
C	HUNTER PRO-C SERIES CONTROLLER 12 STATION HUNTER MINI-CLIK RAIN SENSOR 120V POWER PROVIDED BY OTHERS
	HUNTER ICV SERIES IRRIGATION CONTROL VALVE Size Indicated on drawing
*	RAIN BIRD 1404 1.0gpm SERIES PRESSURE COMPENSATING BUBBLER
*	HUNTER PROS-06 PRS40 POP UP SPRAY W/ HUNTER MP SERIES NOZZLE

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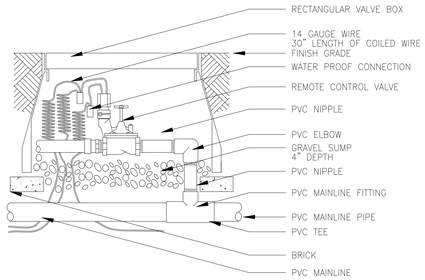
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MDG Project No. 23710
Drawn By:
Checked By:

IRRIGATION PLAN

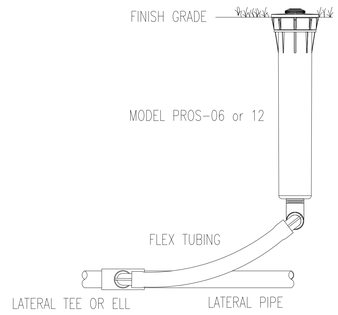
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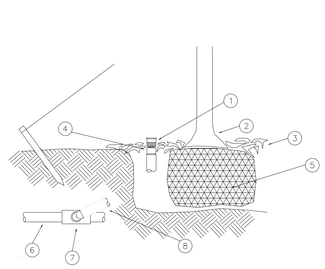
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CONTROL VALVE DETAIL



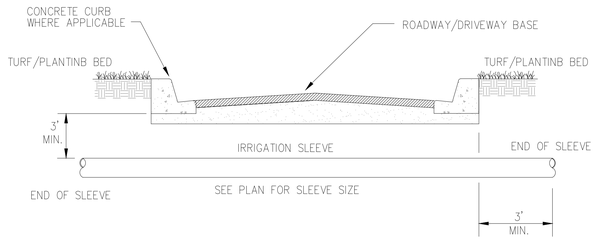
6" POP UP DETAIL



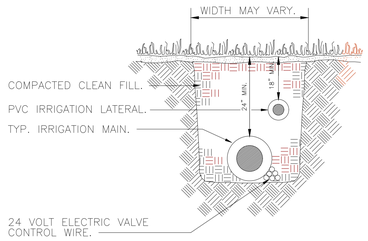
1. PRESSURE COMPENSATING FULL CIRCLE BUBBLER: RAIN BIRD 1400
2. TREE OR PALM TO BE IRRIGATED
3. FINISH GRADE/TOP OF MULCH
4. 1/2-INCH BARB ADAPTER RAIN BIRD MODEL SBA-050
5. PLANT ROOTBALL
6. PVC LATERAL PIPE
7. PVC SCH 40 TEE OR ELL
8. FLEXIBLE SWING PIPE

BUBBLER IS TO BE INSTALLED ADJACENT TO ROOTBALL

BUBBLER DETAIL

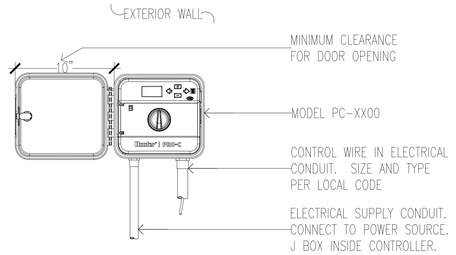


SLEEVING DETAIL



NOTE: PULLING PIPE IS PROHIBITED

TRENCHING DETAIL



CONTROLLER DETAIL

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL
———	2" SCH40 IRRIGATION MAINLINE W/ SCH40 FITTINGS
———	PVC SDR21 CL200 LATERAL PIPING W/SCH40 FITTINGS
— —	SCH40 PVC SLEEVES (SIZE AS INDICATED ON PLANS)
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SITE IRRIGATION NOTES

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
2. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL CODES AND ORDINANCES RELEVANT TO THE WORK UNDER THIS CONTRACT.
4. ALL WORK, ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ON-SITE UTILITIES, STRUCTURES, OR PAVING RESULTING FROM IRRIGATION CONSTRUCTION. *
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE AS REQUIRED. THE TOTAL WORK SHOWN ON THES PLAN IN ACCORDANCE WITH SPECIFICATIONS, AND ALSO AS PER INSTRUCTIONS OF THE LANDSCAPE ARCHITECT AND THE OWNER. *
7. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO ASSURE ADEQUATE INSTALLATION OF THE SYSTEM.
8. THE LOCATION OF THE AUTOMATIC CONTROL CLOCK IS GENERALLY INDICATED ON THE DRAWING AND WILL BE SPECIFICALLY LOCATED ON-SITE BY THE THE OWNER.
9. LINE LOCATIONS AS INDICATED ON THE PLAN ARE SCHEMATIC. THE CONTRACTOR SHALL LOCATE ALL LINES IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PROPOSED PLANT MATERIAL (AS SHOWN ON THE LANDSCAPE DEVELOPMENT PLAN) AND OTHER SITE AMENITIES.
10. ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2' FROM THE BACK OF CURB WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
11. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE DRY SPOTS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE. THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.' *
13. THE ELECTRIC SUPPLY WILL BE STUBBED OUT AT THE CONTROL CLOCK LOCATION BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM CONTROL VALVES TO THE CONTROL CLOCK. *
14. THE ENTIRE SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE IRRIGATION CONTRACTOR AGAINST ALL DEFECTIVE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE. *
15. THE CONTRACTOR SHALL BE RESPONSIBLE AT TIME OF COMPLETION OF PROVIDING "AS BUILT" DRAWINGS, TO INCLUDE LOCATIONS OF ALL VALVES (AUTOMATIC AND MANUAL) WITH TRIANGULATED MEASUREMENTS TO EACH, INCLUDE LOCATIONS OF ALL VALVES (AUTOMATIC AND MANUAL) WITH TRIANGULATED MEASUREMENTS TO EACH, AS WELL AS ANY DEVIATIONS IN LOCATION OF PIPING AND HEADS REPRESENTED AS REPRESENTED BY THE CONTRACT DOCUMENTS.

GENERAL NOTES

PIPING AND SOME ELEMENTS ARE SHOWN IN PAVED OR OTHER NON-LANDSCAPE DESIGNATED AREAS FOR GRAPHIC CLARITY ONLY, ACTUAL LOCATION SHALL BE WITHIN THE PROJECT'S LANDSCAPE DESIGNATED AREA.

IRRIGATION CONTRACTOR SHALL FIELD DETERMINE THE FINAL LOCATIONS FOR IRRIGATION CONTROLLERS.

RAIN SENSORS SHALL BE LOCATED IN OPEN AREAS FREE OF VEGETATIVE OR STRUCTURAL OBSTRUCTION, CLEAR OF IRRIGATION COVERAGE.

GENERAL CONTRACTOR SHALL PROVIDE DEDICATED 120 VOLT POWER IN CONDUIT TO CONTROLLERS.

IRRIGATION AS-BUILT DRAWINGS SHALL BE KEPT AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR REVIEW ON DEMAND

IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS TO INSTALL SYSTEM DEFINED BY THESE DOCUMENTS. SAID PERMITS TO INCLUDE ALL WELL AND WATER USE PERMITS BY ALL LOCAL JURISDICTIONS.

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, SERVICES, SPECIFIED PRODUCTS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF DEPICTED IRRIGATION SYSTEM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 100% COVERAGE TO ALL PLANT MATERIAL SHOWN AND IDENTIFIED, INCLUDING ALL TURF AREAS.

CONTRACTOR CONCEDES TO THE OWNER THAT TIME IS OF THE ESSENCE AND THAT ANY DAMAGES OCCASIONED BY THE CONTRACTORS FAILURE TO COMPLETE THE WORK BY THE DATES ESTABLISHED IN THE CONTRACT, WHERE APPLICABLE, SHALL BE REIMBURSABLE TO THE OWNER

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REVISIONS

MARK	DESCRIPTION	DATE
5.	CONFORMED SET.	04/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

Venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: JUNE 03, 2025
MDG Project No. 23710
Drawn By:
Checked By:

IRRIGATION DETAILS PLAN

IR1.1

CONFORMED SET

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GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS AS SHOWN ON ELECTRICAL PLAN SHEETS:

1.1. MODIFY THE EXISTING TAXIWAY EDGE AIRFIELD LIGHTING SYSTEMS COMPLETE, IN PLACE, AS SHOWN ON PLANS.

1.2. PROVIDE AND INSTALL NEW COMMUNICATION CONDUIT SYSTEMS AND ELECTRICAL DISTRIBUTION SYSTEMS, COMPLETE IN PLACE, AS SHOWN ON PLANS.

2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.

3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS AND FLORIDA BUILDING CODE.

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, AND APPROVALS.

5. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE ENGINEER, AIRPORT, RESIDENT PROJECT REPRESENTATIVE (RPR).

6. THE CONTRACTOR SHALL, BEFORE SUBMITTING THEIR BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.

7. CONTRACTOR SHALL NOTIFY OWNER 48 HOURS IN ADVANCE OF ANY WORK THAT REQUIRES A POWER SHUTDOWN, IN ORDER TO GET THE AUTHORIZATION TO COMMENCE THE WORK. ALL POWER SHUTDOWNS SHALL BE CONDUCTED DURING OWNER APPROVED HOURS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE BEFORE BIDDING WITH ALL LOCAL UTILITIES INCLUDING THE POWER, COMMUNICATION, FUEL PIPE LINES, WATER AND SEWER MAINS AND TO MEET ALL OF THEIR INSTALLATION REQUIREMENTS. ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO MEET THESE REQUIREMENTS IS TO BE INCLUDED IN THE BID. THE CONTRACTOR SHALL OBTAIN, DELIVER AND INSTALL ALL CONDUITS, PULL BOXES AND EQUIPMENT REQUIRED BY THE UTILITIES TO THEIR SPECIFICATIONS.

9. THE RESISTANCE OF THE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS. THE EARTH SHALL BE DRY FOR 48 HOURS PRIOR TO TESTING. GROUNDING AND BONDING SHALL NOT BE PAINTED.

10. ALL EQUIPMENT SHALL BE NEW AND UNUSED AND U.L. LISTED APPROVED. ALL AIRFIELD EQUIPMENT SHALL BE FAA APPROVED.

11. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL ELECTRICAL & SPECIAL SYSTEMS EQUIPMENT AND MATERIALS.

12. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER, RPR AND OWNER.

13. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF ENTIRE PROJECT.

14. COORDINATE ALL ELECTRICAL EQUIPMENT, LOCATIONS, AND POWER REQUIREMENTS AND VERIFY ALL OBSTRUCTIONS WITH ALL SUBCONTRACTORS AND EQUIPMENT SUPPLIERS PRIOR TO ANY INSTALLATION.

15. THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT RUNS. THESE ARE TO BE COORDINATED WITH OTHER TRADES SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATIONS.

16. AIRFIELD CONDUCTORS SHALL BE FAA APPROVED 5KV L-824 TYPE C CABLE. COUNTERPOISE SHALL BE #6 BARE SOLID COPPER COUNTERPOISE WIRE.

17. SCHEDULE 40 PVC SHALL BE USED UNDERGROUND. ALL ABOVE GROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL MANDRELLING SHALL BE WITNESSED BY THE RPR.

18. FLEXIBLE CONDUITS SHALL BE USED TO TERMINATE ALL MOTORS AND OTHER VIBRATING EQUIPMENT AND SHALL BE BETWEEN 18" AND 3' IN LENGTH.

19. TYPEWRITTEN PANEL SCHEDULES SHALL BE INSTALLED IN EACH PANELBOARD AND TERMINAL BLOCK SCHEDULES IN EACH CONTROL CABINET.

20. ALL REFERENCES TO A MANUFACTURER ARE GIVEN ON AN "APPROVED EQUAL" BASIS.

21. PROVIDE CONDUIT DUCT SEAL AT ALL CONDUIT ENDS.

22. ALL SPARE CONDUITS SHALL BE SEALED WITH A CAP AT BOTH ENDS AND A PULL STRING INSTALLED WITH IDENTIFICATION ON BOTH ENDS.

23. ALL CIRCUITS SHALL BE IDENTIFIED IN PULL BOXES, LIGHTING FIXTURES, MANHOLES, BASE CANS, DUCT BANKS, AND PANELBOARDS. IDENTIFICATIONS SHALL MATCH PANEL SCHEDULE.

24. EXPOSED RUNS OF CONDUITS SHALL BE INSTALLED WITH RUNS PARALLEL OR PERPENDICULAR TO WALL, STRUCTURAL MEMBERS OR INTERSECTIONS OF VERTICAL PLANES AND CEILINGS, WITH RIGHT ANGLE TURNS CONSISTING OF SYMMETRICAL BENDS OR PULL BOXES AS INDICATED ON THE DRAWINGS. BENDS AND OFFSETS SHALL BE AVOIDED WHERE POSSIBLE.

25. ALL CONDUITS PENETRATING RATED FIRE WALLS OR RATED FIRE FLOORS SHALL BE U.L. APPROVED DEVICES TO MAINTAIN THE FIRE RATING OF THE FLOOR OR WALL PENETRATED.

26. BALANCE ALL LOADS AT END OF PROJECT WITH ALL LIGHTS ON.

27. THE CONTRACTOR MAY COMBINE CONDUCTORS TO LIMIT THE NUMBER OF CONDUITS LEAVING THE PANELBOARD. CONTRACTOR SHALL DERATE THE WIRES AS PER NEC AND INCREASE THE SIZE OF THE WIRES ACCORDINGLY.

28. CONTRACTOR SHALL PROVIDE TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE RECORD DRAWINGS DEPICTING THE COMPLETED INSTALLATION AS INSTALLED INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION AND FLOOR PLANS INDICATING THE LOCATION AND AREA SERVED BY ALL INSTALLED DISTRIBUTIONS PER THE FLORIDA BUILDING CODE-ENERGY CONSERVATION C405.5.4.1.

29. CONTRACTOR SHALL PROVIDE TO THE OWNER OPERATING AND MAINTENANCE MANUALS (O&M MANUALS) FOR ALL EQUIPMENT PER THE FLORIDA BUILDING CODE-ENERGY CONSERVATION C405.5.4.2. THE MANUALS SHALL INCLUDE:
29.1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
29.2. O&M MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
29.3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY

30. BRANCH AND FEEDER CONDUCTORS ARE SIZED FOR MAXIMUM VOLTAGE DROP OF 5 PERCENT COMBINED AT DESIGN LOAD PER THE FLORIDA BUILDING CODE -ENERGY CONSERVATION-C405.5.3.

31. ALL REFERENCES TO SS OR STAINLESS STEEL SHALL MEAN 316 STAINLESS STEEL.

32. ALL ELECTRICAL EQUIPMENT SHALL BE PERMANENTLY IDENTIFIED AND SIGNED PER THE REQUIREMENTS OF THE NEC AND THE FLORIDA BUILDING CODE.

33. THE CONTRACTOR SHALL COORDINATION WITH FP&L FOR THE REQUISITION OF ALL REQUIRED FP&L FURNISHED MATERIALS. SCHEDULE DIRECTLY WITH FP&L FOR POLE, MEDIUM VOLTAGE CABLE AND TRANSFORMER INSTALLATION.

34. PROVIDE AS-BUILT SURVEYS BY A LICENSED PROFESSIONAL SURVEYOR OF ALL FP&L CONDUITS/DUCTBANK AND TRANSFORMER PAD LOCATIONS. THE AS-BUILTS SHALL INCLUDE LEGAL DESCRIPTIONS FOR THE DEVELOPMENT OF NEW EASEMENTS AS REQUIRED BY FP&L.

AIRFIELD LIGHTING NOTES:

1. TEMPORARY WIRING SHALL BE REQUIRED TO MAINTAIN ALL AIRFIELD LIGHT SYSTEMS . ALL LIGHTING SYSTEMS TAKEN OUT OF SERVICE SHALL BE RETURNED TO OPERATING CONDITION AT THE END OF EACH WORK PERIOD. CONTRACTOR SHALL PROVIDE TEMPORARY CABLES DURING CONSTRUCTION. ALL AIRFIELD SYSTEMS SHALL REMAIN IN OPERATING CONDITION FOR ALL PORTIONS OF THE AIRFIELD WHICH ARE OR COULD BE OPENED TO TRAFFIC AT THE END OF THE WORK PERIOD. OTHER LIGHTING SYSTEMS WITHIN THE WORK AREA, WHICH WILL BE TAKEN OUT OF SERVICE WHEN REQUIRED BY CONSTRUCTION SHALL BE RESTORED AT THE EARLIEST POSSIBLE DATE. IT IS NOT PERMISSIBLE TO ALLOW PORTIONS OF EXISTING SYSTEMS EXTENDING BEYOND THE WORK AREA TO BE AFFECTED. TEMPORARY WIRING SHALL BE PROVIDED TO MAINTAIN CONTINUITY OF ALL AIRFIELD LIGHTING SYSTEMS, ETC. EXTENDING BEYOND THE WORK AREA.

2. PRIOR TO WORKING ON ANY CIRCUIT, THE CONTRACTOR SHALL PROVIDE TO THE ELECTRICAL MAINTENANCE DEPARTMENT A WRITTEN LOCKOUT PROCEDURE FOR APPROVAL. THE ELECTRICAL MAINTENANCE DEPARTMENT SHALL REVIEW AND STATE FINAL LOCKOUT RULES. CONTRACTOR SHALL NOT RELY UPON DEACTIVATION OF THE CIRCUITS BY THE TOWER OR BY OTHERS. CONTRACTOR SHALL NOTIFY ELECTRICAL MAINTENANCE 48 HOURS PRIOR TO LOCKOUT/TAGOUT.

3. THERE SHALL BE NO SPLICES OF CONDUCTORS BETWEEN LIGHTS OR IN CONDUITS OR DUCTS. SPLICES SHALL BE PERMITTED IN MANHOLES, JUNCTION BOXES, LIGHT BASES, AND OTHER APPROVED LOCATIONS USING L-823 CONNECTORS. SPLICES SHALL NOT BE ALLOWED IN ABANDONED BASE CANS/JUNCTION BOXES. SPLICES SHALL BE AT A MINIMUM AND APPROVED BY THE ENGINEER IN THE HOMERUN CONDUCTORS.

4. CONTRACTOR SHALL IDENTIFY ALL CABLES IN AFFECTED MANHOLES AND BASE CANS. CONTRACTOR SHALL USE A MINIMUM OF OF 1-STAINLESS STEEL TAG PER CABLE AND 1-TAG ON EACH SIDE OF A L-823 CONNECTOR.

5. ALL EXISTING CONDUCTORS SHALL BE TESTED FOR INSULATION RESISTANCE PRIOR TO WORKING ON CIRCUIT, USING A 1000V MEGOHMMETER AND SHALL BE RETURNED TO SERVICE WITH MATCHING OR BETTER INSULATION RESISTANCE READINGS. ALL PROPOSED CONDUCTORS SHALL BE TESTED FOR INSULATION RESISTANCE PRIOR TO CONNECTING TO EXISTING CIRCUIT, USING A 1000V MEGOHMMETER. CIRCUITS OR NEW PORTIONS OF CIRCUITS SHALL BE AS COMPLETE AS POSSIBLE FOR TESTING. ALL TESTING SHALL BE WITNESSED BY THE RPR AND REPORT TURNED OVER TO OWNER.

6. CONNECTION OF CONDUCTORS MUST BE MADE BY USING CRIMP CONNECTORS AND CRIMPING TOOL APPROVED BY THE CONNECTOR/LUG MANUFACTURER. THE TOOL MUST PRODUCE A COMPLETE CRIMP BEFORE IT CAN BE REMOVED. THE CRIMPING TOOL USED MUST BE LISTED BY THE L-823 KIT MANUFACTURER. MAKE THE NUMBER AND TYPE OF CRIMPS PER KIT MANUFACTURER'S INSTRUCTIONS. ELECTRICIANS THAT WILL BE MAKING CONNECTOR KIT TERMINATIONS SHALL BE TRAINED AND CERTIFIED BY THE CONNECTOR KIT MANUFACTURER.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
—— • ——	SCHEDULE 40 P.V.C. DIRECT BURIED CONDUIT, EXCAVATE AND INSTALLED IN EARTH. SEE SITE PLAN AND RISERS FOR SIZE AND QUANTITY OF CONDUIT AND CONDUCTORS.
—— •• ——	SCHEDULE 40 P.V.C. DIRECT BURIED AIRFIELD LIGHTING CONDUIT INSTALLED IN EARTH/NEW PAVEMENT, COUNTERPOISE SHALL BE INSTALLED ABOVE CONDUIT PER DETAIL. SEE PLANS FOR AMOUNT/SIZE AND LOCATION OF CONDUITS.
▲	NEW FPL FURNISHED, CONTRACTOR INSTALLED CONCRETE TRANSFORMER PAD. SEE DETAILS FOR ADDITIONAL INFORMATION. COORDINATE WITH FPL FOR EXACT STUB-UP LOCATION AS THE CONDUIT STUBS ARE SPECIFIC TO THE TRANSFORMER COMPARTMENT IT SERVES.
—— FPL ——	NEW FPL FURNISHED, CONTRACTOR INSTALLED SCHEDULE 40 PVC CONDUIT/DUCTBANK, INSTALLED IN EARTH. SEE SITE PLAN FOR SIZE AND QUANTITY OF CONDUIT.
#-X 1C 1W2"	#-X : # INDICATES QUANTITY OF AIRFIELD LIGHTING CONDUCTORS, X INDICATES CIRCUIT ID 1C : 1 INDICATES QUANTITY OF #6 SOLID COUNTERPOISE 1W2" : INDICATES 1 CONDUIT, 2 INDICATES CONDUIT SIZE (INCHES)
⨯	DEMOLISH OR MODIFY
—— TOFA ——	EXISTING TAXIWAY OBJECT FREE AREA
—— TSA ——	EXISTING TAXIWAY SAFETY AREA
✲	EXISTING ELEVATED TAXIWAY EDGE LIGHT
—— OHE ——	EXISTING FP&L, AT&T & COMCAST OVERHEAD LINES

DEMOLITION NOTES:

1 CONTRACTOR SHALL DISCONNECT THE EXISTING CIRCUITS AND REMOVE CONDUCTORS BACK TO THE LAST UNAFFECTED LOCATIONS. REMOVE AND DISPOSE OF THE EXISTING CONDUCTORS AND BASE CAN AND DELIVER TAXIWAY EDGE LIGHT AND TRANSFORMER TO DELIVER. BACKFILL AND RESTORE SOD/PAVEMENT ACCORDINGLY.

AIRFIELD CIRCUIT ID:	TYPE OF CABLE	CABLE ID COLOR
A= ALPHA CIRCUIT	#8, L-824, 5KV CABLE	RED/ORANGE

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LICENSE NO. CA30805

REVISIONS

MARK	DESCRIPTION	DATE
1	REV 5 - CONFORMED SET	4/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: NOVEMBER 12, 2024
MDG Project No. RIC23005
Drawn By: JWK
Checked By: ALC

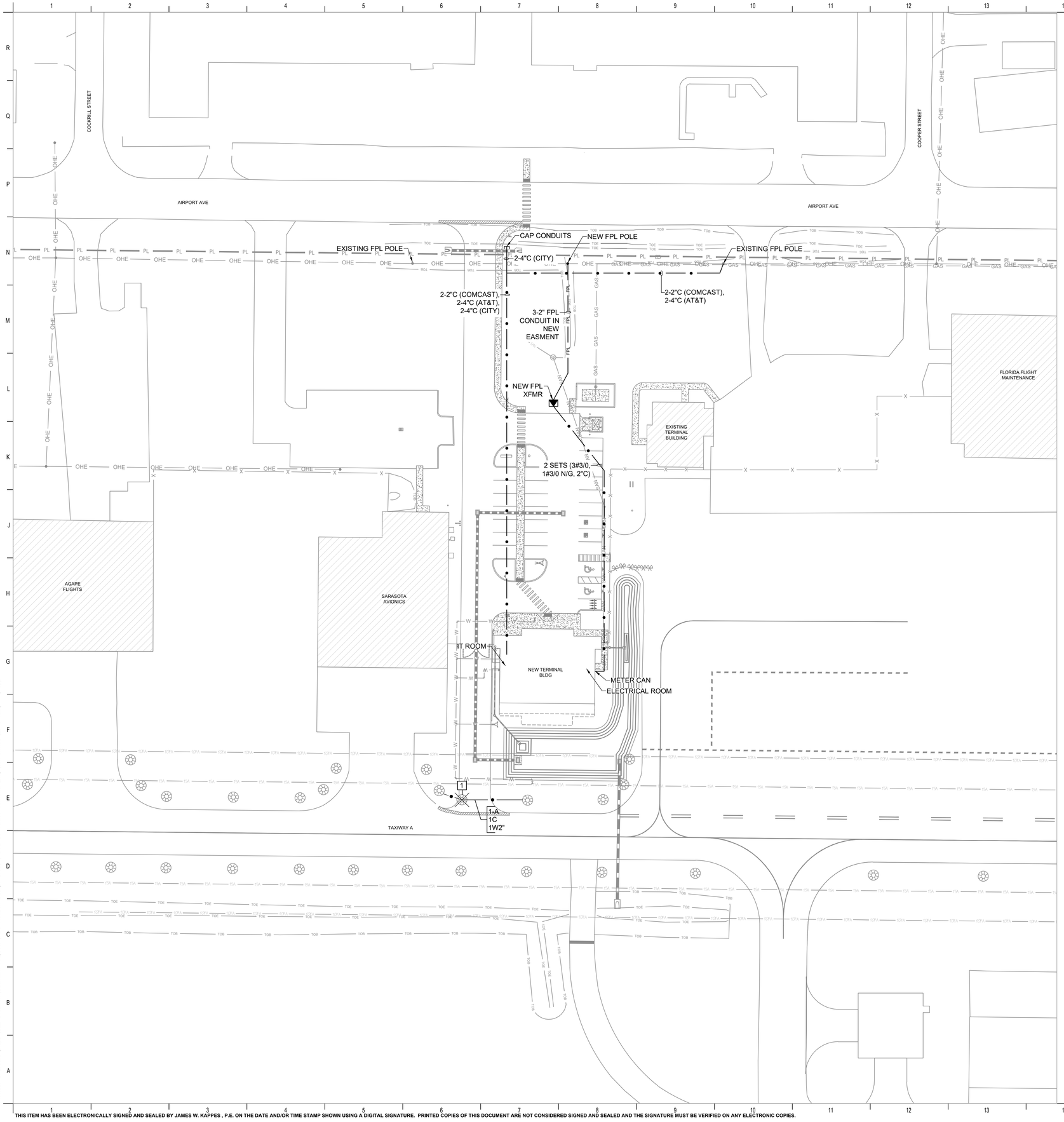
ELECTRICAL SITE GENERAL NOTES AND LEGEND

ES001

CONFORMED SET

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WARNING!!! WARNING!!! WARNING!!!
THERE ARE A NUMBER OF AIRPORT, PUBLIC UTILITIES, FAA LIGHTING, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE PROJECT SITE. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY ITEM DAMAGED, CAUSED BY HIS ACTIONS, WITH NO ADDITIONAL COMPENSATION.

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0' 30' 60'

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REVISIONS

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NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: NOVEMBER 12, 2024
MDG Project No. RIC23005
Drawn By: JWK
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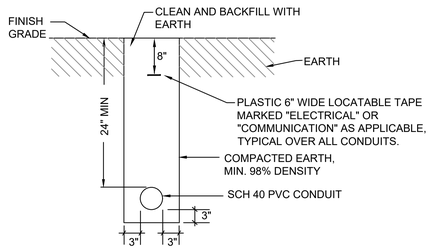
ELECTRICAL SITE PLAN

ES101

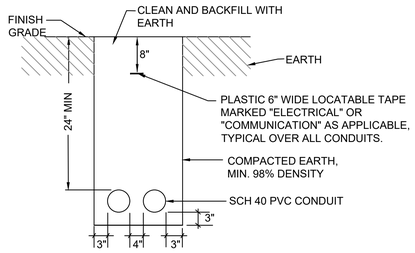
CONFORMED SET

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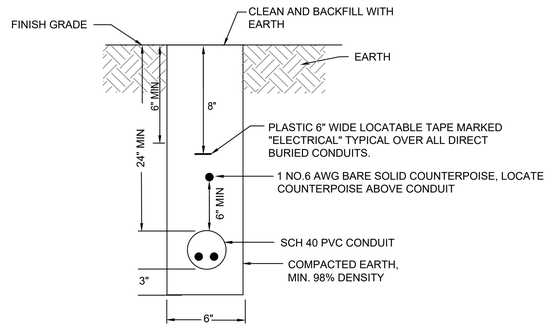
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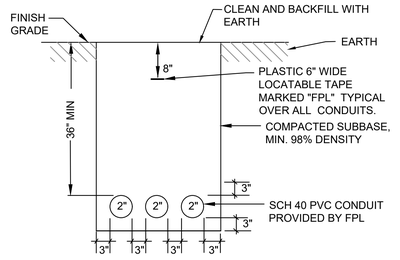
SINGLE CONDUIT IN EARTH
NOT TO SCALE



MULTIPLE CONDUIT IN EARTH
NOT TO SCALE

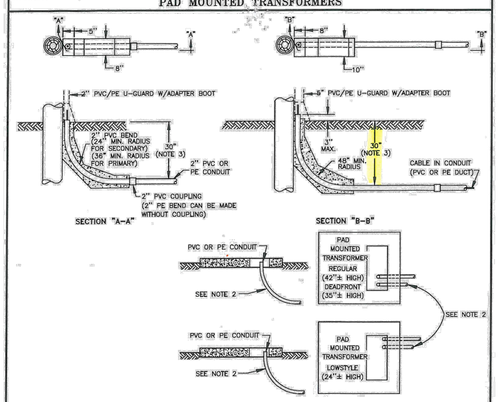


AIRFIELD CONDUIT DETAIL
NOT TO SCALE



3-2" CONCRETE ENCASED FPL CONDUIT
NOT TO SCALE

UN–6.0.0 | TYPICAL INSTALLATION OF CONDUIT ELLS AT RISER POLES AND PAD MOUNTED TRANSFORMERS | UN–6.0.0



NOTES:
1. BENDS AT RISER POLE CAN BE ENCASED IN CONCRETE (3–80LB. BAGS FOR 2" RISER CONDUIT AND 4–80LB. BAGS FOR 5" RISER, SAKRETE MAS #503–10700–1. IF PULL TENSIONS WARRANT, FORM CONCRETE ADJACENT TO POLE AND AT SURFACE.
2. RADIUS VARIES. FOR 2" PVC CONSTRUCTION USE 24" OR 36" RADIUS, MAS #184–23800–6 OR M & S #184–23901–1. PE CONDUIT MAY BE FIELD BENT.
3. NESC RULES REQUIRE MIN. 30" DEPTH FOR PRIMARY VOLTAGE CABLE. WHERE CONCRETE ENCASED, LESSER DEPTHS ARE PERMITTED.

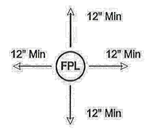
SUPERSEDES: UN–8.0.0 LAST REVISED ON 6–30–93

F P L
OH & UG DISTRIBUTION SYSTEM STANDARDS

NO.	DATE	REVISION	ORIG.	DRAWN	APPR.
2	7/13/01	UPDATE DRAWING (NOTES & TEXT)	RAP	JES	JJM
1	8/26/99	UPDATE DRAWING (NOTES & TEXT)	RAP	JES	JJM
0	8/09/96	ORIGINAL DRAWING	BLM	RAS	JJM

ORIGINATOR: BLM | DRAWN BY: RAS | DATE: 8/09/96 | APPROVED: J.J. McEVOY, SUPERVISOR, DIV/UG PRODUCT SUPPORT SERVICES | NO SCALE

B–11.0.0 | BASIC MINIMUM SEPARATIONS FOR UNDERGROUND FACILITIES DIRECT BURIED CABLE IN CONDUIT | B–11.0.0



12" Minimum Radial Separation From FPL to:

Communications
Sewer
Water Line
Storm
Gas & Other Fuel Lines
Building Foundations
Steam Lines
etc.

Note:
1. Separation **shall not be less than 12"** between FPL facilities and Steam Lines, Gas, and other Fuel Lines. Greater separation is preferred.
2. Separation shall not be less than 12" between FPL Feeder Cables and other structures. Greater separation is preferred.
3. FPL Facilities (other than Feeders) may be buried together with communications cables, and non-metallic water and sewer lines at the same depth with no deliberate separation provided that all parties involved are in agreement. However, 12" minimum or greater separation is preferred.
4. Greater separation may be required based on local permitting agencies and other utilities.
5. Reference: 2002 NESC Rules 353 and 354.

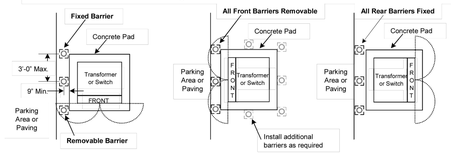
F P L
OH & UG DISTRIBUTION SYSTEM STANDARDS

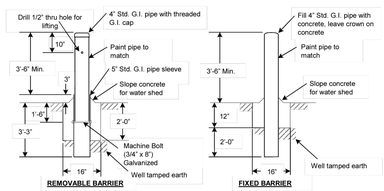
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.

ORIGINATOR: JNM | DRAWN BY: J. SHOUP | DATE: 10/22/01 | APPROVED: J.J. McEVOY, SUPERVISOR, DR/UG PRODUCT SUPPORT SERVICES | NO SCALE

FPL
Electric Service Standards
DATE: 11-18-19
PREPARED BY: Delivery Assurance – Design Support
SUBJECT: V. REQUIREMENTS FOR TRANSFORMERS SITUATED ON CUSTOMER PROPERTY
SECTION: PAGE: V: 3 of 6

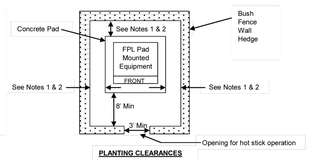
FIGURE V-1
Protective Barrier and Planting Clearances for Padmounted Transformers and Switches





Note 1: Padmounted Transformers and pad may be located minimum 3' on both sides and back side only. An 8' minimum is required on the front side for access and hot stick operation.

Note 2: Padmounted Switches and Cap Banks require 8 feet of clearance on all sides.

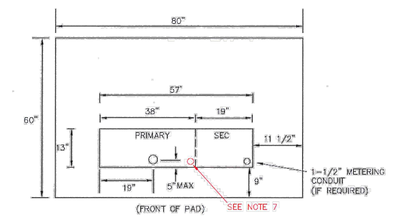


PLANTING CLEARANCES

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FPL
Service Planning Quick Reference Guide
ISSUE DATE: Apr 2015
page 6 of 13
SUBJECT: Pad Specs

Three Phase Cable End (1 – 5" PVC) Deadfront PM TX up to 500 KVA (UX-114.0.5)



NOTES:
1. REFERENCE 1–60.0.0 OF THE DCS
2. PAD MX TO 165–245–RCU
3. ALL CONDUITS TO EXTEND 3' MAX ABOVE GROUND LEVEL.
4. ALL SECONDARY/STEINMER CONDUITS MUST FIT WITHIN THE 19"X13" AREA INDICATED.
5. ALL CONDUIT DELATED DIMENSIONS ARE TO CENTER OF THE ELCT
6. MAINTAIN 6' CLEARANCE FROM FRONT AND 2' CLEARANCE FROM SIDES OF TRANSFORMER.
7. INSTALL 2" SLEEVE FOR GROUND ROD, 48" LONG.

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1	REV 5 - CONFORMED SET	4/17/25

NEW TERMINAL BUILDING

AT: VENICE MUNICIPAL AIRPORT

venice Municipal Airport

150 AIRPORT AVE. E, VENICE, FL 34285

Issue Date: NOVEMBER 12, 2024
MDG Project No. RIC23005
Drawn By: JWK
Checked By: ALC

ELECTRICAL SITE DETAILS

ES201

CONFORMED SET

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