CONSTRUCTION PLANS FOR

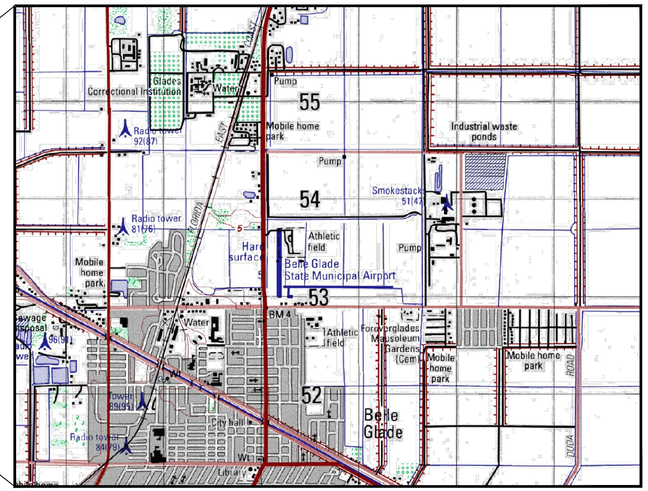
BELLE GLADE STATE MUNICIPAL AIRPORT

BELLE GLADE, FLORIDA

TAXIWAY CHARLIE

FDOT Fin Project No. 442709-1-94-01

APRIL 2021
BID SET



VICINITY MAP
N.T.S.

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BID SET

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

COVER SHEET

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C1.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C1.01 COVER SHEET April 06, 2021 01:45:10pm K:\TU_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C1.01 COVER SHEET.dwg
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GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY AND STATE TRAFFIC REGULATIONS CONCERNING THE USE OF STREETS AND ROADWAYS FOR DELIVERIES AND HAULING. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, INCLUDING, BUT NOT LIMITED TO CONCRETE SLABS, UTILITIES, ASPHALT PAVEMENT, LIGHTING, GRASS AREAS, AND SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

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

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

5. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL IN WRITING OF THE ENGINEER.

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

7. BARRICADES ARE TO REMAIN UNTIL ALL PROJECT CONSTRUCTION IS COMPLETED UNLESS NOTED OTHERWISE.

8. THE CONTRACTOR SHALL CONDUCT THE FINAL CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING THE PAVEMENTS TO AIRPORT TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS DAILY CLEAN UP OF THE WORK AREA TO THE SATISFACTION OF THE RPR AND OWNER. THE CONTRACTOR SHALL CONDUCT VACUUM CLEANING OF AFFECTED AIRPORT PAVEMENTS PRIOR TO REOPENING EACH PHASE OF THE PAVEMENTS TO AIR TRAFFIC. CONTRACTOR SHALL CONDUCT VACUUM CLEANING OF ACTIVE AIRPORT PAVEMENTS IMMEDIATELY FOLLOWING ANY ACCESS ONTO OR CROSSING THE PAVEMENT BY CONSTRUCTION TRAFFIC.

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

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

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

12. EXISTING UTILITIES ARE SHOWN ON THE PLANS IN APPROXIMATE LOCATIONS. IT IS THE CONTRACTORS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE LOCATION OF ALL UNDERGROUND FACILITIES WITHIN LIMITS OF CONSTRUCTION. ALL EXISTING UTILITIES, CABLES, EQUIPMENT, DEVICES, ETC., DESIGNATED TO REMAIN IN SERVICE WHICH ARE DAMAGED IN THE COURSE OF THE CONTRACT SHALL BE IMMEDIATELY REPAIRED AT THE EXPENSE OF THE CONTRACTOR. AT LEAST FORTY–EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CONTACT:

    CITY OF BELLE GLADE PHONE: (561) 992–2216

    THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL AT 1–800–432–4770 AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION.

    EXCAVATION IN AREAS OF EXISTING UTILITIES SHALL BE DONE BY HAND.

13. WHILE PERFORMING THE WORK, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ANY AND ALL EXISTING AIRPORT OPERATIONS AND AIRCRAFT, VEHICULAR TRAFFIC AND PEDESTRIAN TRAFFIC NOT WITHIN THE CONSTRUCTION LIMITS FOR THE CURRENT PHASE OF CONSTRUCTION.

14. CONTRACTOR'S EMPLOYEES VEHICLES SHALL BE PARKED WITHIN THE CONTRACTOR'S STAGING AND STORAGE AREA. PARKING WILL NOT BE ALLOWED ALONG THE RIGHT–OF–WAY OF ANY PUBLIC ROADWAY. EMPLOYEE VEHICLES WILL NOT BE ALLOWED IN THE AIR OPERATION AREA (AOA).

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

16. CONTRACTOR WILL PROTECT FROM DAMAGE DUE TO THEIR HAULING OR CONSTRUCTION OPERATIONS ANY AND ALL EXISTING AIRPORT PAVEMENT TO REMAIN, INCLUDING AIRPORT PAVEMENTS CONSTRUCTED BY THIS PROJECT. THE CONTRACTOR, AT THEIR EXPENSE, SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO THE PAVEMENT CAUSED BY THEIR HAULING AND CONSTRUCTION OPERATIONS. THE ACCEPTABILITY OF SUCH REPAIRS WILL BE AS DETERMINED BY THE ENGINEER AND/OR OWNER..

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

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

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

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

21. REFER TO THE CONTRACTOR ACCESS AND STAGING AREA PLAN FOR ACCESS POINTS TO BE USED BY THE CONTRACTOR FOR THIS PROJECT.

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

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

24. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF THEIR WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE RPR AND OWNER AT THE CONTRACTORS EXPENSE.

25. ANY UNITED STATES COAST AND GEODETIC SURVEY (U.S.C.&G.S.) MONUMENTATION WITHIN THE CONSTRUCTION LIMITS SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY:

    THE DIRECTOR OF CHARTING AND GEODETIC SERVICES
    6001 EXECUTIVE BOULEVARD, ATTENTION C172
    ROCKVILLE, MARYLAND 20852
    TELEPHONE: (301) 443–8319

26. NO ADJUSTMENT FOR ADDITIONAL COMPENSATION AND TIME WILL BE MADE FOR TIME LOST IN WORK AREAS CONTIGUOUS TO TAXIWAYS AND RUNWAYS DUE TO AIRCRAFT TRAFFIC.

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

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

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

30. THE CONTRACTOR IS REQUIRED TO PROVIDE LIGHTING FOR CONSTRUCTION DURING THE HOURS OF DARKNESS AS REQUIRED BY THE SPECIFICATIONS.

ABBREVIATIONS:

AB	AGGREGATE BASE COURSE
AC	ADVISORY CIRCULAR OR ASPHALTIC CONCRETE
AD	ALGEBRAIC DIFFERENCE
AOA	AIR OPERATION AREA
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BEGIN CURVE
BVC	BEGIN VERTICAL CURVE
℄	CENTER LINE
CL	CENTER LINE
CTB	CEMENT TREATED BASE
CY	CUBIC YARDS
DIA	DIAMETER
E	EASTING – ELECTRICAL – EAST
EA	EACH
EC	END CURVE
EL	ELEVATION
ELEV	ELEVATION
EVC	END VERTICAL CURVE
EXIST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FL	FLOWLINE
FPL	FLORIDA POWER AND LIGHT
FT	FEET
FFWCC	FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
HP	HIGH POINT
ILS	INSTRUMENT LANDING SYSTEM
INV	INVERT
KV	KILOVOLT
K	LENGTH OF CURVE/GRADE IN – GRADE OUT
LF	LINEAR FOOT
LP	LOW POINT
LS	LUMP SUM
LT	LEFT
MALS	MEDIUM INTENSITY AIRPORT LIGHTING SYSTEM
MALSR	MEDIUM INTENSITY AIRPORT LIGHTING SYSTEM RAIL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTHING – NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NO	NUMBER
NOTAM	NOTICE TO AIRMEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PAPI	PRECISION APPROACH PATH INDICATOR
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
ROFA	RUNWAY OBJECT FREE AREA
RP	RADIUS POINT
RPR	RESIDENT PROJECT REPRESENTATIVE
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
R/W	RUNWAY
RW	RUNWAY / RIGHT–OF–WAY
S	SLOPE OR SOUTH
SF	SEMI–FLUSH – SQUARE FEET
STA	STATION
STD	STANDARD
SY	SQUARE YARDS
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
T/W	TAXIWAY
TW	TAXIWAY
TYP	TYPICAL
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE
VERT	VERTICAL
VC	VERTICAL CURVE
W	WEST – WATER

SYMBOLS:

- SURVEY IRON ROD & CAP
- TB–3 — BORING LOCATION
- C–3 — BORING CORE LOCATION
- 11.00 — EXISTING CONTOUR
- 11.00 — PROPOSED CONTOUR
- 12.33 — PROPOSED ELEVATION
- W — W — EXISTING WATER
- W(ABAN) — EXISTING WATER (ABANDONED)
- SFM — EXISTING SANITARY FORCEMAIN
- ELEC — EXISTING ELECTRIC
- OHE — EXISTING OVERHEAD ELECTRIC
- FO — EXISTING BURIED TELEPHONE/FIBER OPTIC
- ℄ — AIRPORT PROPERTY LINE
- x — x — EXISTING FENCE
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- TOFA — TAXIWAY OBJECT FREE AREA

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THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ———

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM
		DRAWN BY ALB	CHECKED BY TFO

GENERAL NOTES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C1.02

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BASE BID					
ITEM NO	ITEM DESCRIPTION	TOTAL QTY	UNIT	QUANTITY	
				CONTRACT	AS-BUILT
C-100-14.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS		
C-102-5.1	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	1	LS		
C-105-6.1	MOBILIZATION	1	LS		
S-102-5.1	AIRPORT SAFETY AND MAINTENANCE OF TRAFFIC	1	LS		
S-103-5.1	PROJECT SURVEY	1	LS		
P-101-5.1	FULL DEPTH PAVEMENT REMOVAL	620	SY		
P-101-5.2	BITUMINOUS PAVEMENT MILLING (VARIABLE DEPTH, MAX 2")	410	SY		
P-152-4.1	UNCLASSIFIED EXCAVATION	1,520	CY		
P-152-4.2	EMBANKMENT	15,760	CY		
P-152-4.3	MUCK EXCAVATION	15,530	CY		
P-154-5.1	SUBBASE COURSE (8" THICKNESS)	7,210	SY		
P-211-5.1	LIME ROCK BASE COURSE (6" THICKNESS)	6,770	SY		
P-401-8.1	HOT MIXED ASPHALT PAVEMENT	1,060	TON		
P-602-5.1	EMULSIFIED ASPHALT PRIME COAT	2,030	GAL		
P-603-5.1	EMULSIFIED ASPHALT TACK COAT	670	GAL		
P-620-5.1	PERMANENT AIRFIELD PAINTING WITH TYPE III GLASS BEADS (YELLOW AND WHITE)	1,850	SF		
P-620-5.2	PERMANENT AIRFIELD PAINTING WITH TYPE I GLASS BEADS (RED SURFACE PAINTED SIGNS)	80	SF		
P-620-5.3	PERMANENT AIRFIELD PAINTING WITH NO GLASS BEADS (BLACK)	3,440	SF		
P-620-5.4	TEMPORARY AIRFIELD PAINTING WITH NO GLASS BEADS (YELLOW, WHITE AND RED)	3,350	SF		
P-620-5.5	AIRFIELD PAINT REMOVAL	1,140	SF		
T-904-5.1	SODDING	4,530	SY		
S-906-5.1	HYDROSEEDING	18,670	SY		
L-860-4.1	DEMOLISH SOLAR LIGHTS	6	EA		
L-860-4.2	NEW WHITE SOLAR RIUNWAY EDGE LIGHTS	1	EA		
L-860-4.3	RELOCATE WHITE SOLAR RUNWAY EDGE LIGHTS	1	EA		
L-860-4.4	NEW RED/GREEN SOLAR RUNWAY THRESHOLD LIGHTS	2	EA		
L-860-4.6	RELOCATE BLUE SOLAR TAXIWAY EDGE LIGHTS	5	EA		
L-860-4.7	RELOCATE PILOT CONTROL LIGHTING SYSTEM	1	EA		

ADD ALTERNATE 1					
ITEM NO	ITEM DESCRIPTION	TOTAL QTY	UNIT	QUANTITY	
				CONTRACT	AS-BUILT
C-100-14.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS		
C-102-5.1	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	1	LS		
C-105-6.1	MOBILIZATION	1	LS		
S-102-5.1	AIRPORT SAFETY AND MAINTENANCE OF TRAFFIC	1	LS		
S-103-5.1	PROJECT SURVEY	1	LS		
D-701-5.1	12 INCH REINFORCED CONCRETE PIPE (CLASS III)	220	LF		
D-701-5.2	15 INCH REINFORCED CONCRETE PIPE (CLASS III)	130	LF		
D-701-5.3	18 INCH REINFORCED CONCRETE PIPE (CLASS III)	140	LF		
D-701-5.4	18 INCH x 12 INCH HORIZANTAL ELLIPTICAL REINFORCED CONCRETE PIPE (CLASS III)	230	LF		
D-751-5.1	FDOT TYPE C INLET	8	EA		
D-751-5.2	FDOT MANHOLE TYPE P-7	1	EA		

ADD ALTERNATE 2					
ITEM NO	ITEM DESCRIPTION	TOTAL QTY	UNIT	QUANTITY	
				CONTRACT	AS-BUILT
C-100-14.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS		
C-102-5.1	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	1	LS		
C-105-6.1	MOBILIZATION	1	LS		
S-102-5.1	AIRPORT SAFETY AND MAINTENANCE OF TRAFFIC	1	LS		
S-103-5.1	PROJECT SURVEY	1	LS		
P-101-5.2	BITUMINOUS PAVEMENT MILLING (VARIABLE DEPTH, MAX 2")	180	SY		
P-152-4.1	UNCLASSIFIED EXCAVATION	2,040	CY		
P-152-4.2	EMBANKMENT	12,080	CY		
P-152-4.3	MUCK EXCAVATION	15,240	CY		
P-154-5.1	SUBBASE COURSE (8" THICKNESS)	6,800	SY		
P-211-5.1	LIME ROCK BASE COURSE (6" THICKNESS)	6,340	SY		
P-401-8.1	HOT MIXED ASPHALT PAVEMENT	1,040	TON		
P-602-5.1	EMULSIFIED ASPHALT PRIME COAT	1,910	GAL		
P-603-5.1	EMULSIFIED ASPHALT TACK COAT	590	GAL		
P-620-5.1	PERMANENT AIRFIELD PAINTING WITH TYPE III GLASS BEADS (YELLOW AND WHITE)	2,670	SF		
P-620-5.2	PERMANENT AIRFIELD PAINTING WITH TYPE I GLASS BEADS (RED SURFACE PAINTED SIGNS)	40	SF		
P-620-5.3	PERMANENT AIRFIELD PAINTING WITH NO GLASS BEADS (BLACK)	3,100	SF		
P-620-5.4	TEMPORARY AIRFIELD PAINTING WITH NO GLASS BEADS (YELLOW, WHITE AND RED)	1,410	SF		
T-904-5.1	SODDING	4,630	SY		
S-906-5.1	HYDROSEEDING	14,520	SY		
L-860-4.5	NEW BLUE SOLAR TAXIWAY EDGE LIGHTS	2	EA		
L-860-4.6	RELOCATE BLUE SOLAR TAXIWAY EDGE LIGHTS	2	EA		

ADD ALTERNATE 3					
ITEM NO	ITEM DESCRIPTION	TOTAL QTY	UNIT	QUANTITY	
				CONTRACT	AS-BUILT
C-100-14.1	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	1	LS		
C-102-5.1	TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION, AND SILTATION CONTROL	1	LS		
C-105-6.1	MOBILIZATION	1	LS		
S-102-5.1	AIRPORT SAFETY AND MAINTENANCE OF TRAFFIC	1	LS		
S-103-5.1	PROJECT SURVEY	1	LS		
P-152-4.1	UNCLASSIFIED EXCAVATION	70	CY		
P-152-4.2	EMBANKMENT	60	CY		
P-620-5.1	PERMANENT AIRFIELD PAINTING WITH TYPE III GLASS BEADS (YELLOW AND WHITE)	370	SF		
P-620-5.3	PERMANENT AIRFIELD PAINTING WITH NO GLASS BEADS (BLACK)	100	SF		
P-620-5.4	TEMPORARY AIRFIELD PAINTING WITH NO GLASS BEADS (YELLOW, WHITE AND RED)	370	SF		
T-904-5.1	SODDING	110	SY		
S-906-5.1	HYDROSEEDING	960	SY		
L-860-4.8	REMOVE AND SALVAGE BLUE SOLAR TAXIWAY EDGE LIGHTS	2	EA		

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LICENSED PROFESSIONAL

THOMAS F. O'DONNELL

FLORIDA LICENSE NUMBER 62478

DATE: ____

KHA PROJECT 144086021

DATE APRIL 2021

SCALE AS SHOWN

DESIGNED BY MEM

DRAWN BY ALB

CHECKED BY TFO

SUMMARY OF QUANTITIES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C1.03

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C1.03 SUMMARY OF QUANTITIES April 06, 2021 01:45:27pm K:\TU_aviation\144086021 - belle glade x10 tw charlie design\CAD\planesheets\C1.03 SUMMARY OF QUANTITIES.dwg

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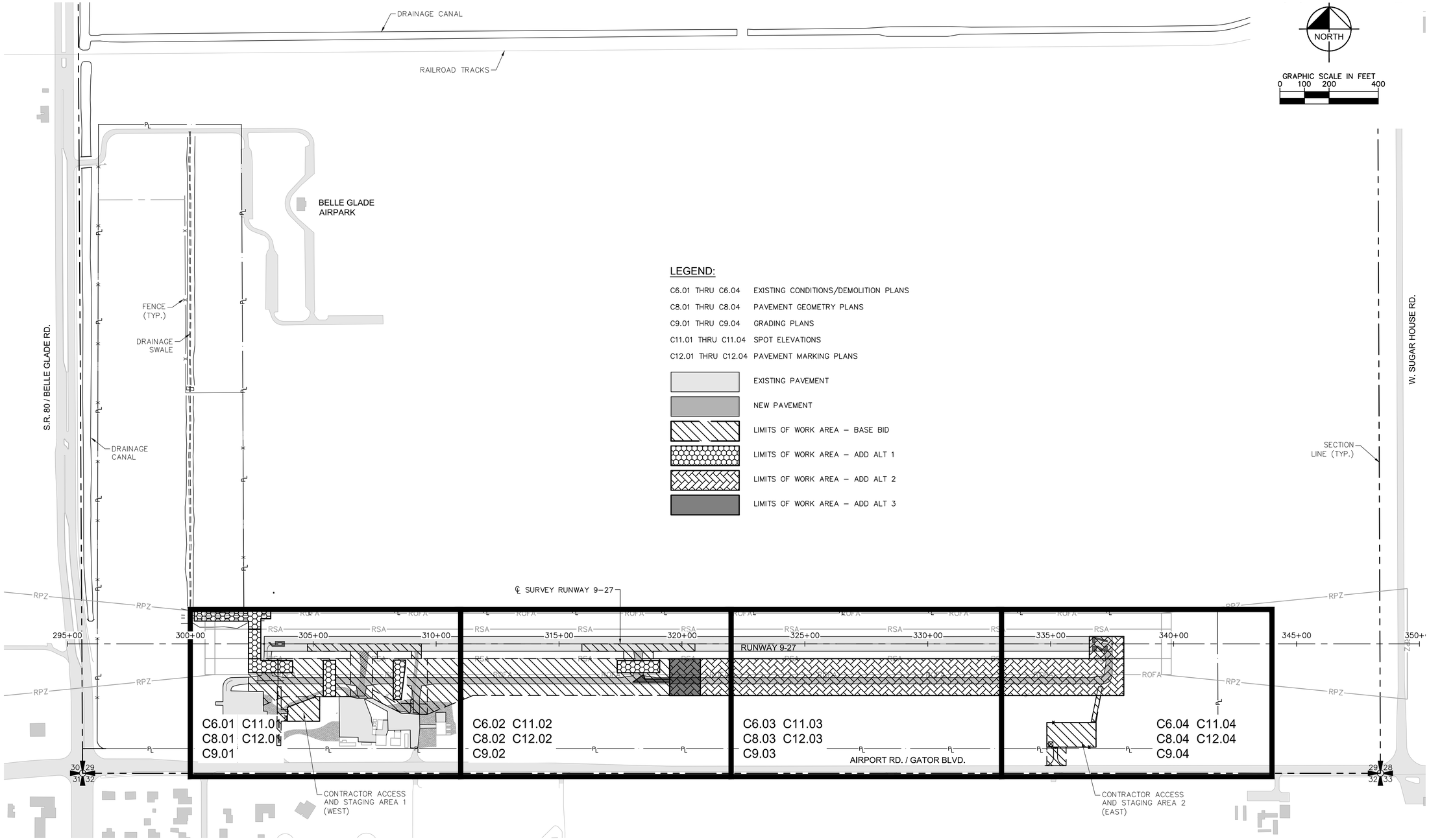

LEGEND:

C6.01 THRU C6.04	EXISTING CONDITIONS/DEMOLITION PLANS
C8.01 THRU C8.04	PAVEMENT GEOMETRY PLANS
C9.01 THRU C9.04	GRADING PLANS
C11.01 THRU C11.04	SPOT ELEVATIONS
C12.01 THRU C12.04	PAVEMENT MARKING PLANS

- EXISTING PAVEMENT
- NEW PAVEMENT
- LIMITS OF WORK AREA – BASE BID
- LIMITS OF WORK AREA – ADD ALT 1
- LIMITS OF WORK AREA – ADD ALT 2
- LIMITS OF WORK AREA – ADD ALT 3

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KEY MAP

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C1.04

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C1.04 KEY MAP April 06, 2021 01:45:49pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C1.04 KEY MAP.dwg
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ACCESS AND HAUL NOTES:

1. ACCESS/EGRESS POINT TO THE AIRPORT IS SHOWN ON THE PLANS. NO OTHER GATES OR ACCESS POINTS ARE TO BE USED WITHOUT PRIOR CITY PERMISSION.
2. CONTRACTOR WILL BE REQUIRED TO INSTALL TEMPORARY GATE AND DRIVEWAY/CULVERT AT ACCESS POINT. GATE SHALL REMAIN LOCKED WHEN UNATTENDED. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE TEMPORARY ACCESS GATES AND RESTORE FENCE, SWALES, SOD ETC. TO ORIGINAL CONDITION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE ROUTES (STATE HIGHWAYS, COUNTY ROADS, CITY STREETS, ETC.) WITH APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE.
4. THE CONTRACTOR SHALL RESTORE ALL TURF AND PAVED AREAS USED FOR HAUL ROUTES TO THEIR ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION, INCLUDING THE ESTABLISHMENT OF TURF. ALL COSTS FOR CONSTRUCTING, REMOVING AND RESTORING OF HAUL ROUTES REQUIRED FOR COMPLETION OF WORK SHALL BE BORNE BY CONTRACTOR.
5. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM SITE AND FOR IMMEDIATE CLEAN-UP OF ANY DEBRIS DEPOSITED AT THE PROJECT SITE AND ALONG ANY ROAD AS A RESULT OF CONSTRUCTION TRAFFIC.
6. ONLY CONTRACTOR OWNED VEHICLES SHALL BE ALLOWED IN THE WORK AREA. EMPLOYEE OWNED VEHICLES SHALL NOT BE PERMITTED PAST THE CONTRACTOR'S STAGING AREA.
7. ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE SHALL BE DIRECTED TO CONTRACTOR'S STAGING AREA.
8. RUBBER TIRED VEHICLES ONLY SHALL BE ALLOWED ON THE EXISTING AIRPORT PAVEMENT TO REMAIN.
9. ALL CONTRACTOR OWNED VEHICLES SHALL DISPLAY IN FULL VIEW PROFESSIONALLY GENERATED COMPANY LOGOS ON EACH SIDE OF THE VEHICLE.
10. CONTRACTOR SHALL OBTAIN AND MAINTAIN, AT HIS OWN EXPENSE, ANY PERMITS, INCLUDING BUT NOT LIMITED TO DRIVEWAY PERMITS, FOR CONSTRUCTION AND USE OF ACCESS GATE.
11. COVER EXISTING UTILITIES IN AREAS OF TRUCK TRAFFIC WITH A MINIMUM OF 12 INCHES OF LIMEROCK.
12. HAUL ROADS TO BE USED UNDER THIS PROJECT SHALL BE THOSE INDICATED ON THE DRAWINGS OR OTHERWISE SPECIFICALLY AUTHORIZED BY THE OWNER. IN GENERAL, THE CONTRACTOR SHALL CONFINE EQUIPMENT AND HAULING TO THE AREAS UNDER CONSTRUCTION. NO DEBRIS SHALL BE ALLOWED ON THE ROADWAYS OR AIRPORT PAVED SURFACES. ACTIVE PAVEMENTS SHAL BE KEPT FREE OF DEBRIS AT ALL TIMES.
13. THE CONTRACTOR SHALL RESTORE ALL TURFED AND PAVED AREAS USED FOR HAUL ROADS TO THEIR ORIGINAL CONDITION INCLUDING THE ESTABLISHEMENT OF TURF. ALL COSTS FOR CONSTRUCTION, REMOVING AND RESTORING OF HAUL ROADS REQUIRED FOR THE COMPLETION OF THE WORK SHALL BE BORNE BY THE CONTRACTOR.
14. ALL VEHICLES OPERATING IN THE ACTIVE AOA DURING HOURS OF LOW VISIBILITY OR DARKNESS SHALL BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME-TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORN TO AIRPORT CODES FOR MAINTENACE AND EMERGENCY VEHICLES.

STAGING AREA NOTES:

1. THE EXACT LIMITS, LIGHTING AND SECURITY REQUIREMENTS OF THE CONTRACTOR'S STAGING AND STORAGE AREA SHALL BE ESTABLISHED BY THE CONTRACTOR WITH THE APPROVAL OF THE CITY IN THE AREA GENERALLY SHOWN ON THE PLANS.
2. ANY AND ALL REQUIRED UTILITIES FOR CONTRACTOR'S OPERATIONS SHALL BE ARRANGED FOR AND PAID FOR BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY PROVIDER.
3. ALL COSTS ASSOCIATED WITH PREPARING THE STORAGE AND STAGING AREA SHALL BE BORNE BY THE CONTRACTOR INCLUDING BUT NOT LIMITED TO CLEAN-UP AND RESTORATION TO ORIGINAL CONDITION AT THE COMPLETION OF THE PROJECT.
4. CONSTRUCTION EQUIPMENT SHALL BE PARKED ONLY WITHIN THE CONTRACTOR'S STAGING AREA OUTSIDE OF ESTABLISHED WORK HOURS.

LEGEND

- CONTRACTOR'S STAGING AND STORAGE AREA
- ACCESS / HAUL ROUTE
- GATE GUARD/FLAGMAN
- NEW PAVEMENT TAXIWAY CHARLIE
- WORK AREA LIMITS
- X — X — EXISTING FENCE
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- W(ABAN) — EXISTING WATER MAIN (ABANDON)
- FO — FO — EXISTING BURIED TELEPHONE/ FIBER OPTIC (AT&T)
- OHE — EXISTING OVERHEAD ELECTRICAL
- SFM — SFM — EXISTING FORCE MAIN
- ELEC — ELEC — EXISTING ELECTRIC
- W — W — EXISTING WATER MAIN

LEGEND

1. TYPICAL LOCATION OF LIGHTED RUNWAY CLOSURE "X".
2. CONTRACTOR'S STAGING AND STORAGE AREA.
3. CONTRACTOR'S TEMPORARY ACCESS GATE.
4. CONTRACTOR'S SECURITY GUARD SHACK LOCATION. (OPTIONAL)

NORTH

GRAPHIC SCALE IN FEET
0 100 200 400

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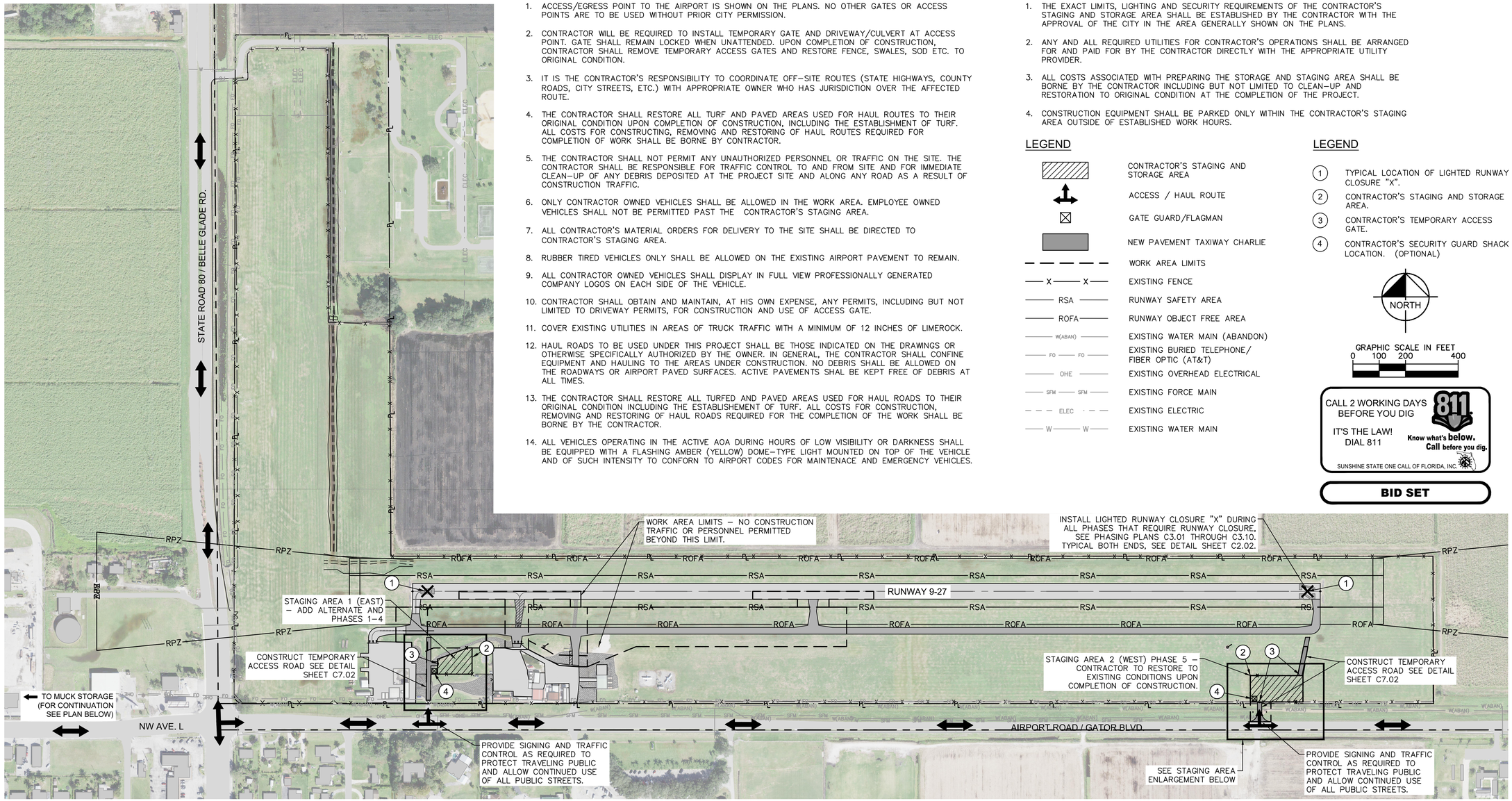
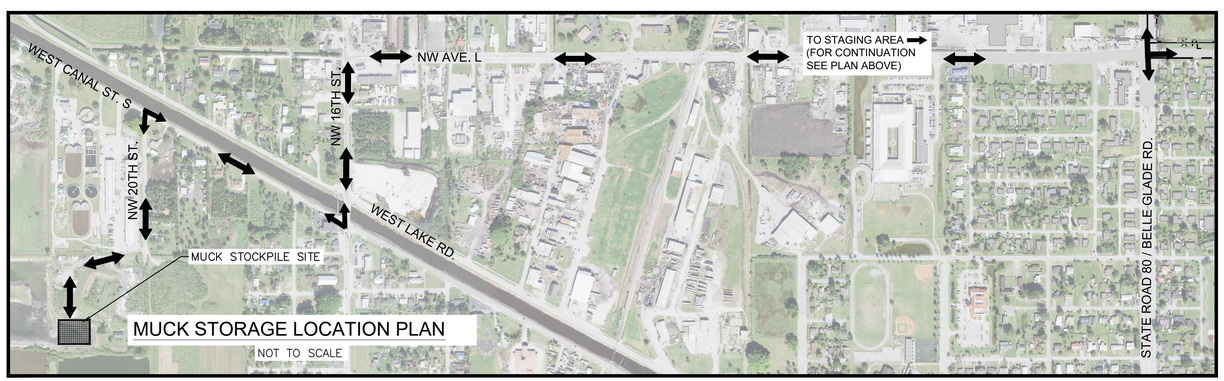
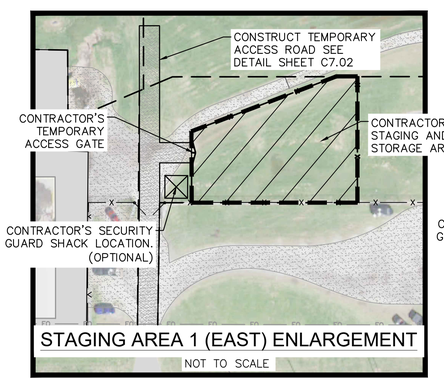
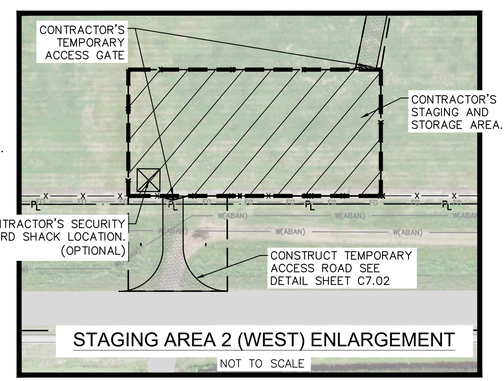




MUCK STORAGE LOCATION PLAN
NOT TO SCALE



STAGING AREA 1 (EAST) ENLARGEMENT
NOT TO SCALE



STAGING AREA 2 (WEST) ENLARGEMENT
NOT TO SCALE

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TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

ACCESS & SAFETY PLAN

SHEET NUMBER
C2.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C2.01 ACCESS & SAFETY PLAN April 06, 2021 01:46:21pm K:\TL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C2.01 ACCESS & SAFETY PLAN.dwg
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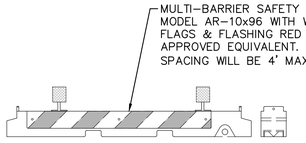
CONSTRUCTION SAFETY NOTES:

1. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) AC150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", AND THESE PLANS AND SPECIFICATIONS.
2. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED WITHIN THE RUNWAY SAFETY AREA (RSA) OF ANY RUNWAY THAT IS OPEN FOR AIRCRAFT OPERATIONS. (SEE SECTION 2.22, AC 150/5370-2G, CHAPTER 2)
3. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED WITHIN TAXIWAY SAFETY AREA (TSA) OF AN ACTIVE TAXIWAY OR AND ON- APRON TAXILANE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER. (SEE SECTION 2.22, AC No. 150/5370-2G)
4. NO CONSTRUCTION TRAFFIC SHALL ENTER OR CROSS ANY ACTIVE AIRPORT OPERATIONAL AREA EXCEPT UPON AUTHORIZATION BY THE OWNER. THIS SPECIFICALLY INCLUDES THE RUNWAY PROTECTION ZONES AND THE RUNWAY AND TAXIWAY CONSTRUCTION SAFETY LIMITS IDENTIFIED IN CONSTRUCTION NOTES 2 AND 3.
5. IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN THE AIR OPERATIONS AREA, APPROPRIATE NOTICES TO AIRMEN (NOTAMS) MUST BE ISSUED BY THE OWNER THROUGH THE FAA FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED, OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 48-HOUR NOTICE IS REQUIRED FOR ISSUANCE OF THE NOTAM. ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE OWNER FOR NOTAM ISSUANCE. CONTRACTOR SHALL NOTIFY OWNER AND RPR NO LATER THAN 72 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY WITHIN THE AOA TO PERMIT NOTAM ISSUANCE BY OWNER.
6. AIRCRAFT OPERATIONS SHALL AT ALL TIMES HAVE RIGHT OF WAY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT BETWEEN HIS PERSONNEL AND AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ACTIVE RUNWAYS AND TAXIWAYS.
7. ALL CONTRACTOR VEHICLES, INCLUDING HAULING VEHICLES, THAT ARE AUTHORIZED TO OPERATE WITHIN THE SECURITY FENCE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'x3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG, EACH CHECKERBOARD COLOR BEING 1'SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLES SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS. DURING SUCH PERIODS, HAULING VEHICLES NOT SO EQUIPPED SHALL BE ESCORTED BY A VEHICLE SO EQUIPPED.
8. CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS.
9. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE OWNER.
10. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT AS A RESULT OF AIRCRAFT, WIND, AND/OR OTHER REASON.
11. CONTRACTOR GENERATED DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS AND ROTORS, SHALL NOT BE LEFT ON ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPING WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND CONTINUOUSLY DURING WORKING HOURS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL PERSONS UNDER ITS CONTROL THAT UNAUTHORIZED CONSTRUCTION PERSONNEL FOUND IN RESTRICTED AREAS OF THE AIRPORT SHOWN ON THE SAFETY PLAN ARE SUBJECT TO ARREST FOR A PUNISHABLE FEDERAL OFFENSE AND WILL PROMPTLY AND PERMANENTLY BE REMOVED FROM THE JOB.
13. CONSTRUCTION ACCESS WILL BE RESTRICTED TO THE CONTRACTOR'S ACCESS GATE, WHERE ONLY AUTHORIZED VEHICLES AND PERSONNEL WILL BE PERMITTED TO ENTER.
14. THE CONTRACTOR SHALL HAVE ACCESS TO THE SECURED AREA OF THE AIRPORT ONLY AT THE LOCATION DESIGNATED ON THE PLANS OR APPROVED BY THE OWNER. ALL OTHER ACCESS SHALL BE BY SPECIAL REQUEST AND SUBJECT TO APPROVAL BY THE OWNER.
15. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG TAXIWAY EDGES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 20 FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES.
16. REFER TO THE GENERAL NOTES FOR REQUIREMENTS PERTAINING TO STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS WHEN NOT IN USE.
17. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN OR MANDATED BY FAA OR TSA. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "CONTRACTOR SECURITY OFFICER". THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
18. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS. CONTRACTOR EMPLOYEES WHO REQUIRE ACCESS TO THE SECURE AREA OF THE AIRPORT SHALL ATTEND THE OWNER'S SECURITY TRAINING SESSION AND SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREAS.
19. THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT AT THIS AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY.
20. ITEMS FOR CONTROL OF SAFETY DURING CONSTRUCTION SUCH AS VEHICLE LIGHTING, ETC. SHALL BE PAID FOR IN ACCORDANCE WITH SPECIFICATION S-102 AND SHALL BE CONSIDERED AS A SUBSIDIARY OBLIGATION FOR THE CONTRACTOR COVERED UNDER THESE ITEMS.

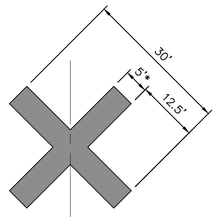


LOW PROFILE AIRFIELD BARRICADE DETAIL

N.T.S.

NOTES:

1. BARRICADES SHALL BE PLACED AS SHOWN ON THE PHASING PLAN SHEETS C3.01 THROUGH XXXX TO DELINEATE THE CONTRACTOR'S WORK AREAS.
2. BARRICADE SECTIONS CAN BE WHITE OR ORANGE WITH WHITE AND ORANGE RETRO-REFLECTIVE MARKING OR STICKERS. BARRICADES WILL BE LIGHTED AND FLAGGED.
3. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAIRED OR REPLACED WHEN DEEMED APPROPRIATE BY THE RPR. THE CONDITIONS OF LIGHTING UNITS AND RUNWAY CLOSURE MARKERS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY. THE AREAS AROUND ALL BARRICADES SHALL BE CLEANED AS DIRECTED IN THE GENERAL NOTES AND THE SAFETY NOTES.
4. BARRICADES ALONG ACTIVE APRON OR TAXIWAY PAVEMENT SHALL BE PLACED APPROXIMATELY 4 FEET FROM THE EDGE OF THE FULL STRENGTH PAVEMENT. BARRICADES SHALL BE PLACED IN A CONTINUOUS LINE.
5. ALTERNATE FORMS OF BARRICADES MAY BE PROPOSED BY THE CONTRACTOR WHICH MEET THESE FUNCTIONAL REQUIREMENTS. APPROVALS OF ANY SUCH SUBSTITUTION (IF GRANTED) SHALL BE BY THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
6. THE FINAL LOCATION FOR THE BARRICADES SHALL BE ESTABLISHED IN THE FIELD WITH CONCURRENCE FROM THE OWNER.
7. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, RELOCATE AND REMOVE ALL BARRICADES. ALL WORK SHALL BE INCIDENTAL TO MAINTENANCE OF TRAFFIC IN THE AOA.
8. THE CONTRACTOR SHALL DAILY MAINTAIN THE LIGHTS AND THE BARRICADES IN OPERABLE CONDITION. THE CONTRACTOR SHALL HAVE REPLACEMENT LIGHTS AND BATTERIES ON SITE AND SHALL REPLACE LIGHTS AND/OR BATTERIES WITHIN ONE HOUR OF NOTIFICATION BY THE RPR OR AIRPORT PERSONNEL. CONTRACTOR SHALL FURNISH THE RPR AND OWNER WITH THE NAME AND TELEPHONE NUMBER FOR AN ON-CALL REPRESENTATIVE 24 HOURS PER DAY, SEVEN DAYS PER WEEK TO REPLACE BATTERIES AND INOPERATIVE LIGHTS AND MAINTAIN THE BARRICADES.
9. FLASHING LIGHTS SHALL BE PLACED AT THE ENDS AND AT CORNERS OF EACH LINE OF BARRICADES, ALL OTHER LIGHTS ON BARRICADES SHALL BE STEADY-BURN.



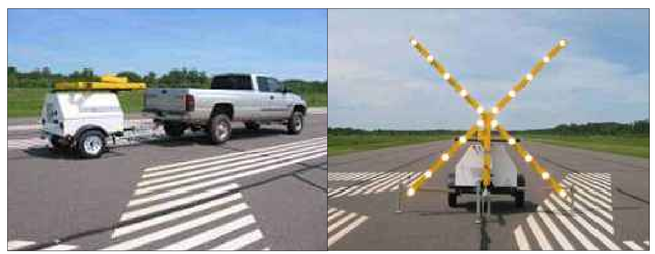
* FOR TEMPORARY X's THIS DIMENSION MAY BE CHANGED TO 4 FEET.

NOTES:

1. TEMPORARY CLOSED TAXIWAY MARKINGS SHALL BE CONSTRUCTED OF AN EASILY REMOVABLE MATERIAL, SUCH AS PLYWOOD OR FABRIC, AND HELD IN PLACE WITH SAND BAGS PAINTED YELLOW. TEMPORARY CLOSED TAXIWAY MARKING SHALL BE YELLOW IN COLOR.
2. THE CONTRACTOR SHALL PLACE TEMPORARY CLOSED TAXIWAY MARKINGS ON THE CENTERLINE OF THE FACILITY TO BE CLOSED AS SHOWN ON PLANS OR AS DIRECTED BY THE AIRPORT ENGINEER.
3. NO PAYMENT WILL BE MADE FOR RELOCATIONS OF TEMPORARY CLOSED TAXIWAY MARKINGS.
4. PAYMENT FOR ITEM IS INCLUDED IN S-102. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS ITEM.

TEMPORARY TAXIWAY CLOSURE MARKER

N.T.S.

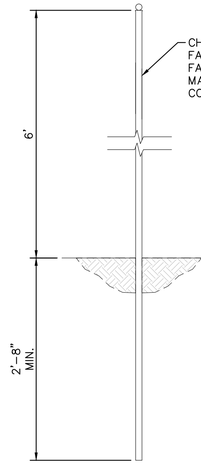


NOTES:

1. THE CONTRACTOR SHALL PROVIDE FULLY FUNCTIONING PORTABLE LIGHTED RUNWAY CLOSURE MARKERS FOR THE PROJECT.
2. THE FUEL AND MAINTENANCE COSTS ASSOCIATED WITH USING THE PORTABLE LIGHTED RUNWAY CLOSURE MARKERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE CONSTRUCTION. THIS INCLUDES REPLACING THE ENGINE AND/OR GENERATOR. ANY REPAIRS REQUIRED TO THE PORTABLE LIGHTED RUNWAY CLOSURE MARKERS SHALL BE AT THE CONTRACTOR'S EXPENSE, WITH NO ADDITIONAL COMPENSATION.
3. THE CONTRACTOR SHALL CLEAN, REPAIR AND REPLACE ANY DAMAGED PARTS ON THE PORTABLE LIGHTED RUNWAY CLOSURE MARKERS.
4. CONTRACTOR IS RESPONSIBLE FOR CLEANING & REPAIRING ANY DAMAGE CAUSED BY FLUID LEAKS.

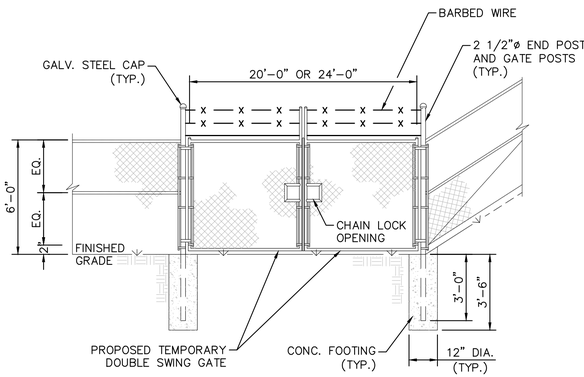
TEMPORARY LIGHTED RUNWAY CLOSURE MARKER MARKER

N.T.S.



TEMPORARY SECURITY FENCE DETAIL

N.T.S.



NOTES:

1. TEMPORARY GATES TO BE REMOVED AFTER CONSTRUCTION IS COMPLETE. COST OF GATES ARE TO BE INCLUDED IN MOBILIZATION PAY ITEM. EXACT LOCATION TO BE COORDINATED WITH RPR AND OWNER.

TEMPORARY SECURITY DOUBLE SWING GATE

N.T.S.

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LICENSED PROFESSIONAL ENGINEER
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ____

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

SAFETY PLAN DETAILS & NOTES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C2.02

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C2.02 SAFETY PLAN DETAILS & NOTES April 08, 2021 01:46:33pm K:\TPA_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C2.02 SAFETY PLAN DETAILS & NOTES.dwg
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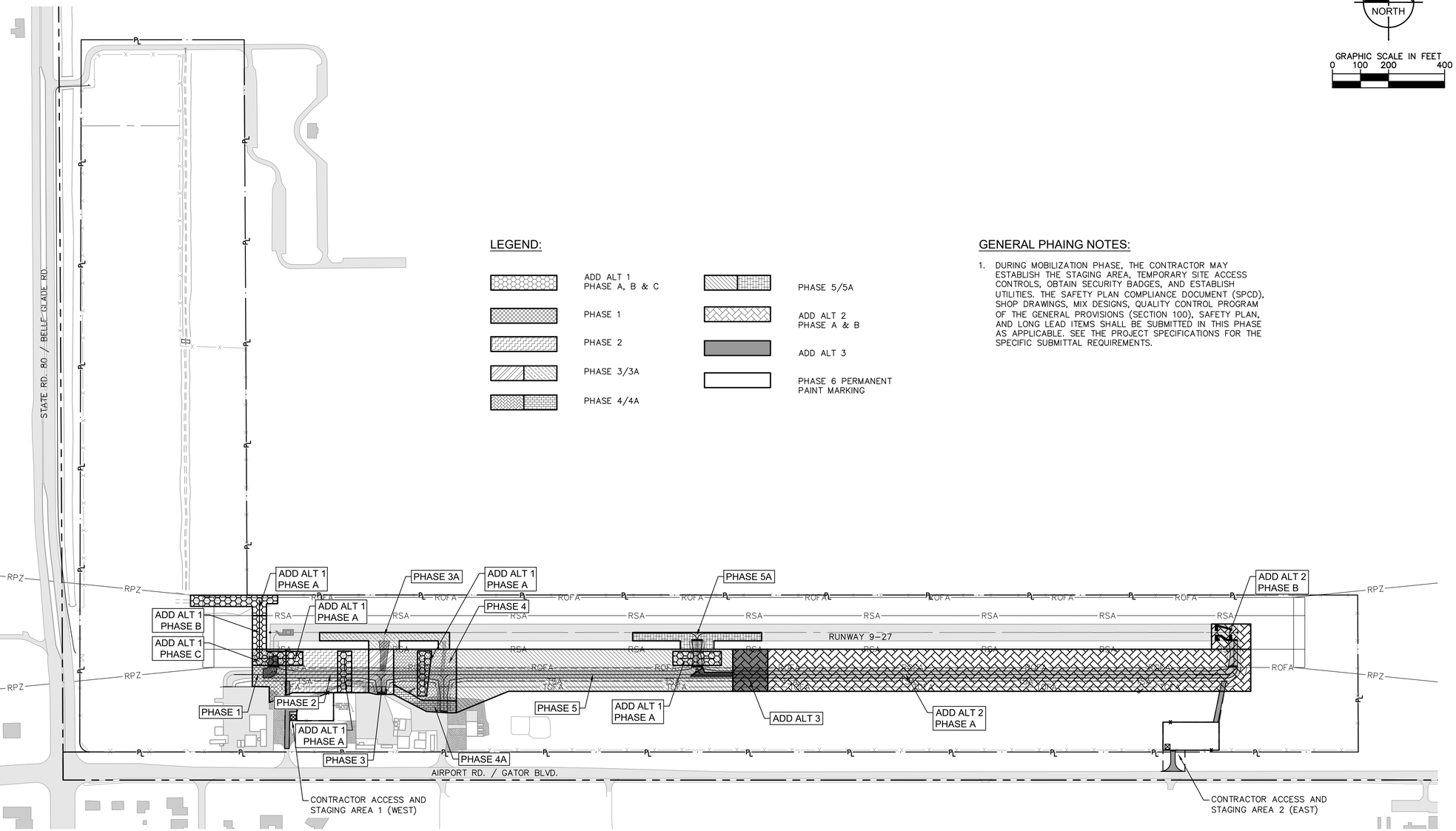

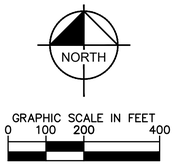

LEGEND:

- ADD ALT 1 PHASE A, B & C
- PHASE 1
- PHASE 2
- PHASE 3/3A
- PHASE 4/4A
- PHASE 5/5A
- ADD ALT 2 PHASE A & B
- ADD ALT 3
- PHASE 6 PERMANENT PAINT MARKING

GENERAL PHAING NOTES:

1. DURING MOBILIZATION PHASE, THE CONTRACTOR MAY ESTABLISH THE STAGING AREA, TEMPORARY SITE ACCESS CONTROLS, OBTAIN SECURITY BADGES, AND ESTABLISH UTILITIES. THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), SHOP DRAWINGS, MIX DESIGNS, QUALITY CONTROL PROGRAM OF THE GENERAL PROVISIONS (SECTION 100), SAFETY PLAN, AND LONG LEAD ITEMS SHALL BE SUBMITTED IN THIS PHASE AS APPLICABLE. SEE THE PROJECT SPECIFICATIONS FOR THE SPECIFIC SUBMITTAL REQUIREMENTS.

MOBILIZATION (M)

MOBILIZATION (M): WORK DESCRIPTION

- SUBMIT ALL SHOP DRAWINGS.
- INSTALL TEMPORARY CONSTRUCTION GATES
- PREPARE STAGING AREA INCLUDING BUT NOT LIMITED TO CONSTRUCTING STAGING AREA BASE.
- INSTALL STAGING AREA FENCING AND OTHER SECURITY MEASURES.
- CONSTRUCT TEMPORARY CONSTRUCTION ACCESS ROADS.

MOBILIZATION (M): AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA WILL BE PERFORMED OUTSIDE OF AIRCRAFT SAFETY AREAS AND PROTECTED SURFACES. ALL AIRPORT INFRASTRUCTURE TO REMAIN OPEN. WORK WILL BE PERFORMED 9 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 5:00 PM.

MOBILIZATION (M): LIMITS OF WORK

THE LIMITS OF THIS WORK AREA WILL CONSIST OF ALL ACCESS POINTS, THE CONTRACTOR'S STAGING AREA, AND TEMPORARY ACCESS ROADS.

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

OVERALL PHASING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C3.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C3.01 OVERALL PHASING PLAN April 06, 2021 01:46:50pm K:\Vtl_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C3.01 OVERALL PHASING.dwg
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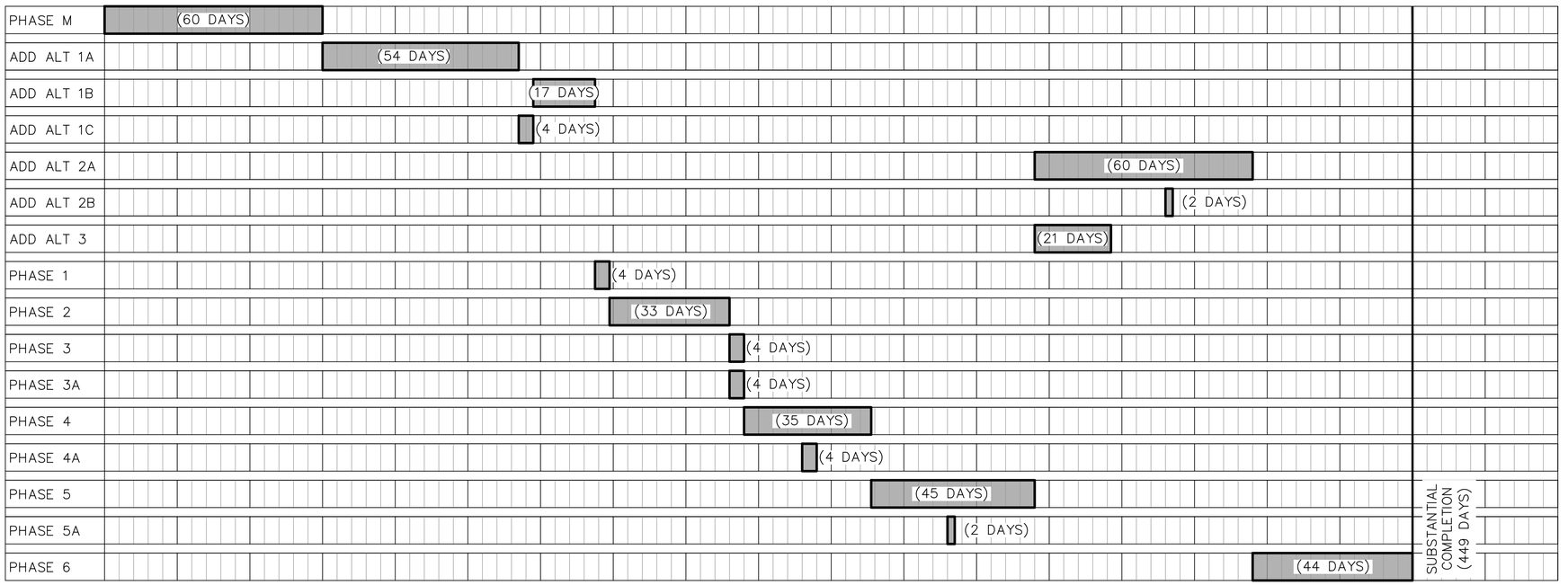
SCHEMATIC CONSTRUCTION SCHEDULE – CALENDAR DAYS



CONSTRUCTION SCHEDULE	
CONTRACT ITEM	CONTRACT TIME TO SUBSTANTIAL COMPLETION (CALENDAR DAYS)
BASE BID + ADD ALT 3 (COMPLETED BASE BID)	246 DAYS
BASE BID + ADD ALT 2 (BASE + EXTENSION)	285 DAYS
BASE BID + ADD ALT 3 + ADD ALT 1 (BASE + DRAINAGE)	321 DAYS
BASE BID + ADD ALT 1 + ADD ALT 2	360 DAYS

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

CONSTRUCTION SCHEDULE

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C3.02

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C3.02 CONSTRUCTION SCHEDULE April 06, 2021 01:46:51pm K:\ftl_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.01 OVERALL PHASING.dwg
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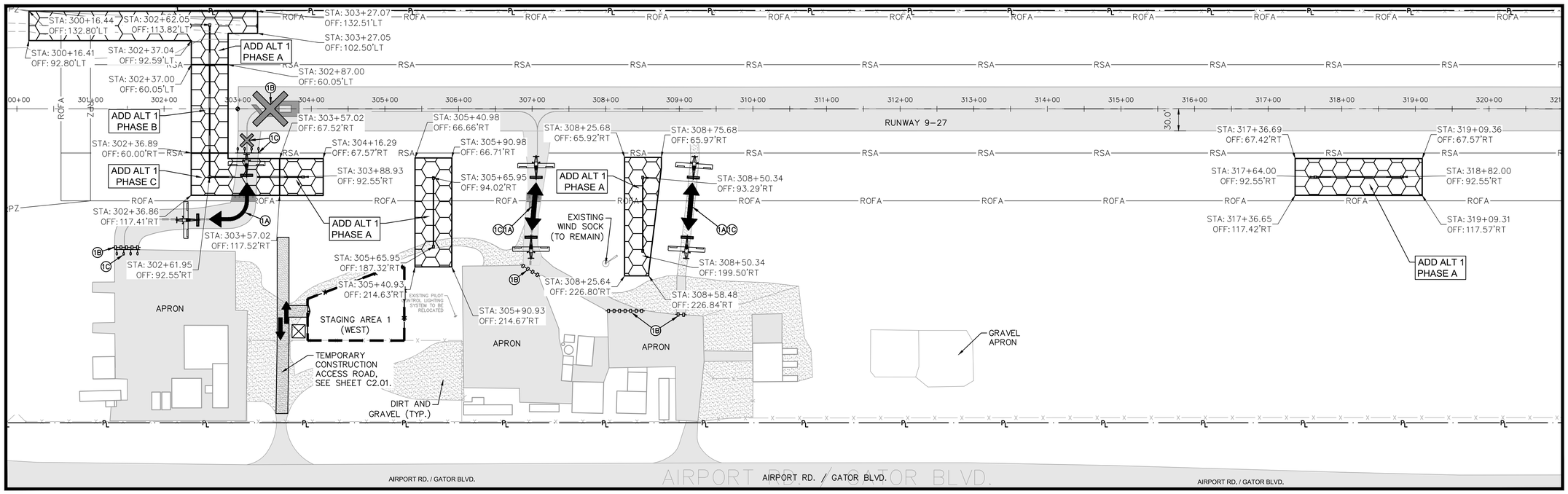

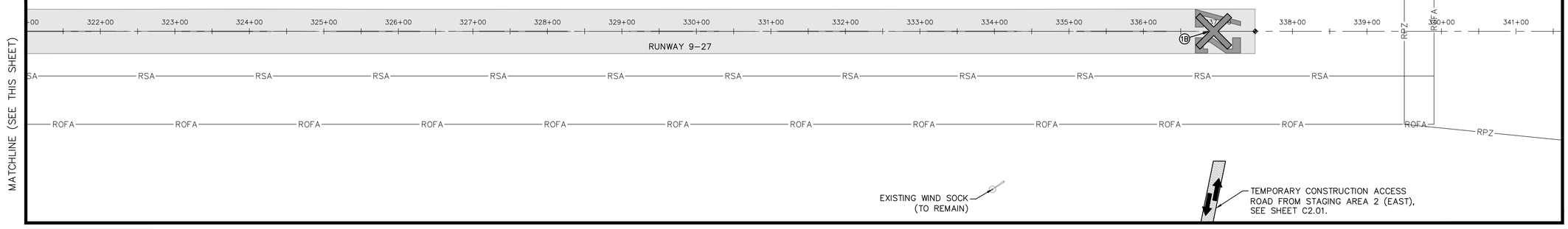

LEGEND:

- ADD ALT 1 PHASE A, B & C
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

ADD ALT 1

ADD ALT 1 - PHASE A: WORK DESCRIPTION

- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- PERFORM DRAINAGE WORK
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

ADD ALT 1 - PHASE A: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS OR OF RUNWAY 9–27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

ADD ALT 1 - PHASE A: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE MULTIPLE AREAS IN THE INFIELDS OUTSIDE OF ANY RESTRICTED AREAS THAT WILL NOT REQUIRE CLOSURES. SEE PLAN FOR DIMENSIONS

ADD ALT 1 - PHASE A: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE M MOBILIZATION.

ADD ALT 1 - PHASE B: WORK DESCRIPTION

- INSTALL BARRICADES AND LIGHTED "X".
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- PERFORM DRAINAGE WORK
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

ADD ALT 1 - PHASE B: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE CLOSURE OF RW 9–27 AND THE TAXIWAY CONNECTORS. WORK WILL BE PERFORMED MONDAY THROUGH FRIDAY, 3:00 PM TO 6:00 AM. RW 9–27 AND THE TAXIWAY CONNECTORS WILL BE FULLY OPENED BETWEEN 6:00 AM AND 3:00 PM MONDAY THROUGH FRIDAY. RW 9–27 AND THE TAXIWAY CONNECTORS WILL BE CLOSED 24 HOURS PER DAY ON SATURDAY AND SUNDAY. CONTRACTOR TO COVER ALL OPEN EXCAVATIONS WITH STEEL PLATES SUITABLE IN STRENGTH TO SUPPORT THE LOAD OF AN AIR TRACTOR AT 12,500 LBS.

ADD ALT 1 - PHASE B: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 15' WEST OF THE RW 9–27 WEST END TO 65' WEST OF THE RW 9–27 WEST END, AND 60' NORTH OF THE RW 9–27 CENTERLINE TO 60' SOUTH OF THE RW 9–27 CENTERLINE. SEE PLAN FOR DIMENSIONS

ADD ALT 1 - PHASE B: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF ADD ALTERNATE PHASE A.

ADD ALT 1 - PHASE C: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- PERFORM DRAINAGE WORK
- CONSTRUCT SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P–401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

ADD ALT 1 - PHASE C: AIRCRAFT MOVEMENT

CONSTRUCTION IN THIS WORK AREA WILL REQUIRE THE CLOSURE OF THE WESTERN TW CONNECTOR OVER A SINGLE WEEKEND – FRIDAY 3:00 PM TO MONDAY 6:00 AM.

ADD ALT 1 - PHASE C: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 63' WEST OF THE RW 9–27 WEST END TO 57' EAST OF THE RW 9–27 WEST END, AND 65' SOUTH OF THE RW 9–27 CENTERLINE TO 120' SOUTH OF THE RW 9–27 CENTERLINE. SEE PLAN FOR DIMENSIONS

ADD ALT 1 - PHASE C: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF ADD ALTERNATE PHASE B.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ---

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

PHASING AND SAFETY PLAN - ADD ALT 1

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C3.03

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C3.03 PHASING AND SAFETY PLAN – ADD ALT 1 April 06, 2021 01:47:12pm K:\TIL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.03 PHASE ADD ALT.dwg
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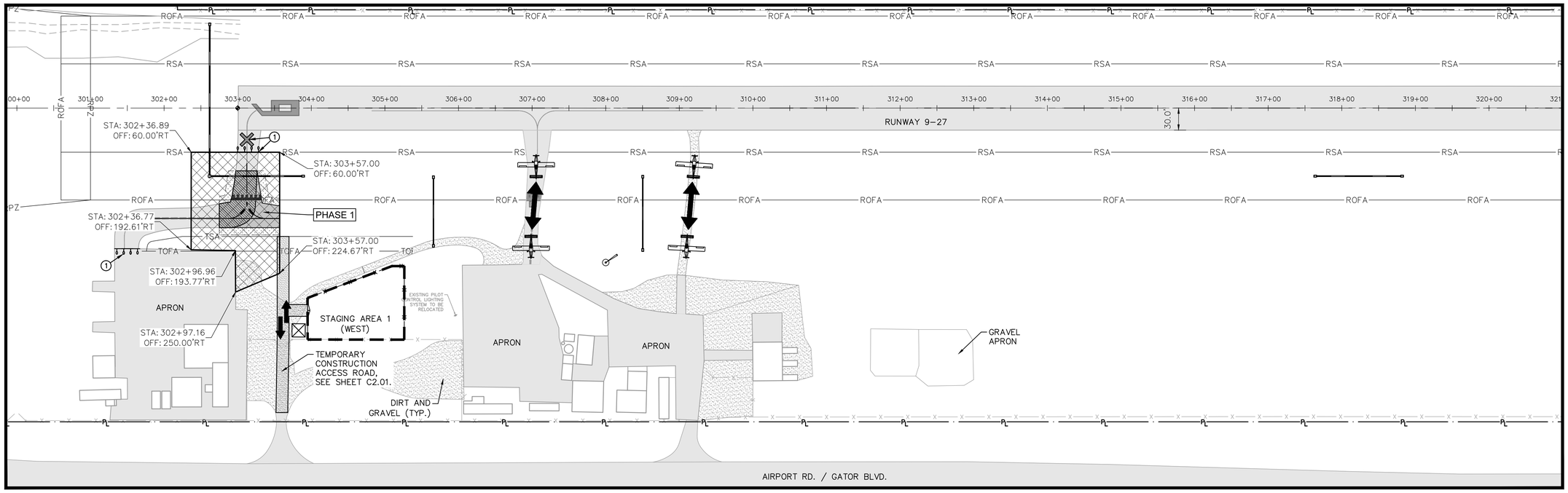

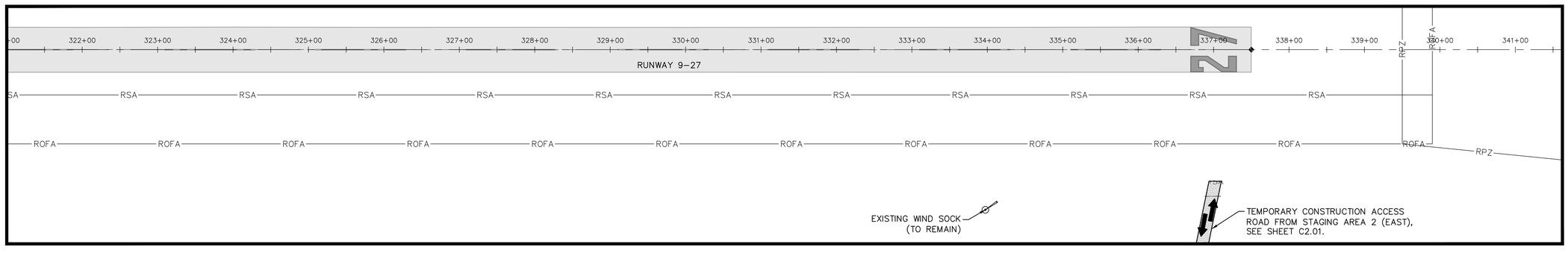

LEGEND:

- PHASE 1
- (1) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 1

PHASE 1: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- MILL EXISTING ASPHALT
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 1: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE TEMPORARY CLOSURE OF WESTERN TAXIWAY CONNECTOR OVER A SINGLE WEEKEND, FRIDAY 3:00 PM TO MONDAY 6:00 AM.

PHASE 1: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 63' WEST OF THE RW 9-27 WEST END TO 57' EAST OF THE RW 9-27 WEST END, AND 65' SOUTH OF THE RW 9-27 CENTERLINE TO 250' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 1: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF ADD ALTERNATE PHASE C OR PHASE M MOBILIZATION CONTINGENT ON AWARD.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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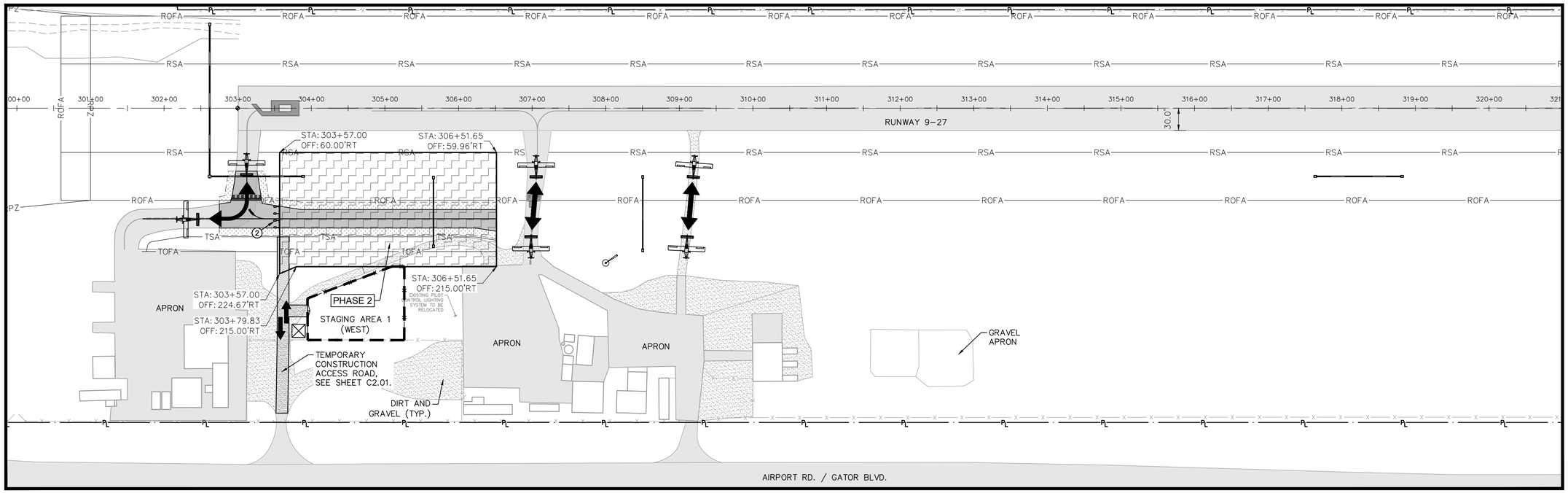
LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

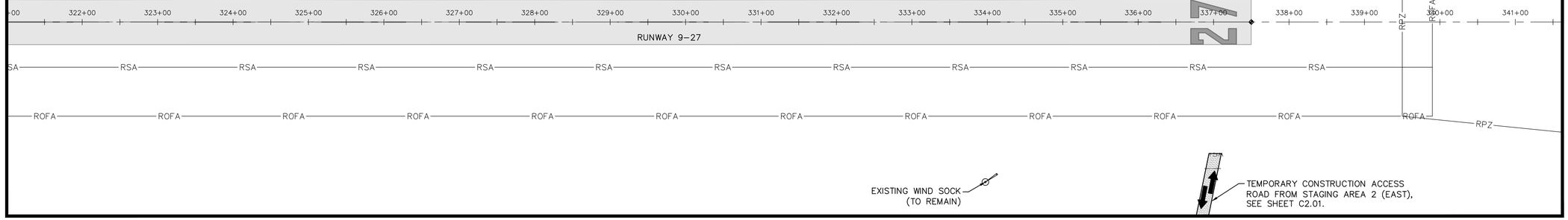
KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

PHASING AND SAFETY PLAN - PHASE 1

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C3.04





LEGEND:

- PHASE 2
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 2

PHASE 2: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 2: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS OR OF RUNWAY 9-27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

PHASE 2: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 56' EAST OF THE RW 9-27 WEST END TO 350' EAST OF THE RW 9-27 WEST END, AND 60' SOUTH OF THE RW 9-27 CENTERLINE TO 250' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 2: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PHASING AND SAFETY PLAN - PHASE 2

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C3.05

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C3.05 PHASING AND SAFETY PLAN – PHASE 2 April 06, 2021 01:47:57pm K:\TL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.05 PHASE 2.dwg
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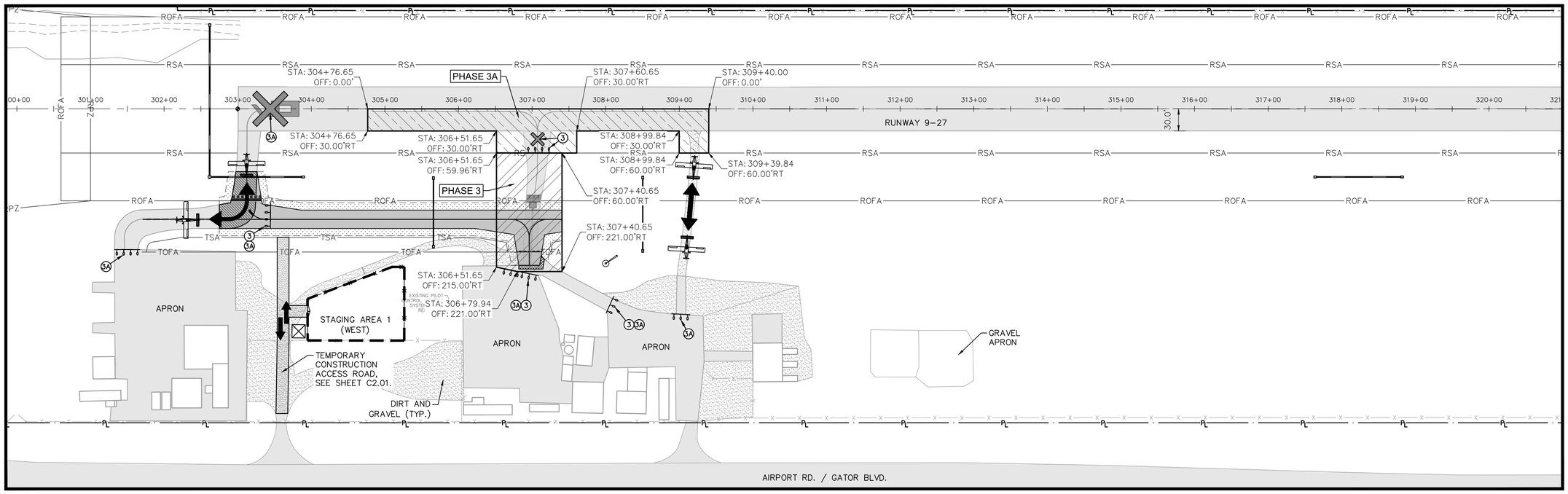

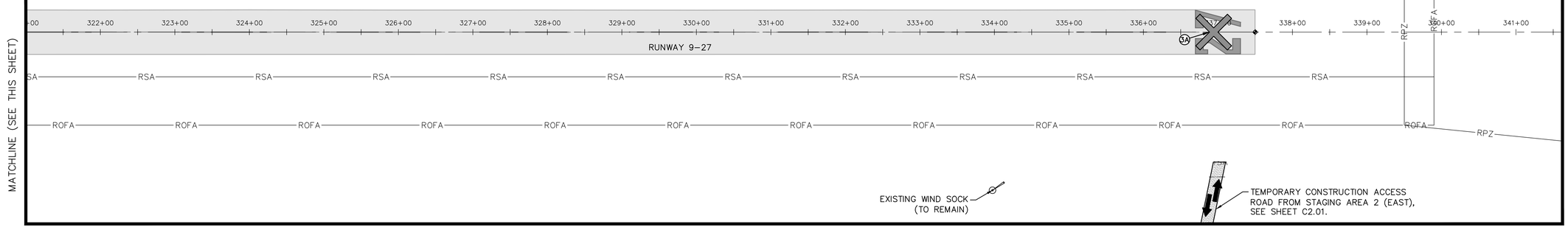

LEGEND:

- PHASE 3
- PHASE 3A
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 3

PHASE 3: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- PERFORM FULL DEPTH DEMOLITION.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 3: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF OF THE CENTER TAXIWAY CONNECTOR OVER A SINGLE WEEKEND – FRIDAY 3:00 PM TO MONDAY 6:00 AM.

PHASE 3: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 350' EAST OF RW 9-27 WEST END TO 440' EAST OF THE RW 9-27 WEST END, 60' SOUTH OF THE RUNWAY 9-27 CENTERLINE TO 220' SOUTH OF THE RUNWAY 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 3: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 2.

PHASE 3A: WORK DESCRIPTION

- INSTALL BARRICADES AND LIGHTED "X".
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- PERFORM FULL DEPTH DEMOLITION.
- REMOVE EXISTING PAINT MARKINGS.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 3A: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE CLOSURE OF RUNWAY 9-27 AND THE CENTRAL TAXIWAY CONNECTOR DAILY OVER A SINGLE WEEKEND – FRIDAY 3:00 PM TO MONDAY 6:00 AM. RUNWAY TO REOPEN DAILY FROM 6:00 AM TO 3:00 PM.

PHASE 3A: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 175' EAST OF RW 9-27 WEST END TO 640' EAST OF RW 9-27 WEST END, AND THE 60' SOUTH OF THE RUNWAY 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 3A: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE:

KHA PROJECT
144086021
DATE
APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PHASING AND SAFETY PLAN - PHASE 3

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C3.06

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C3.06 PHASING AND SAFETY PLAN – PHASE 3 April 06, 2021 01:48:19pm K:\TL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.06 PHASE 3.dwg
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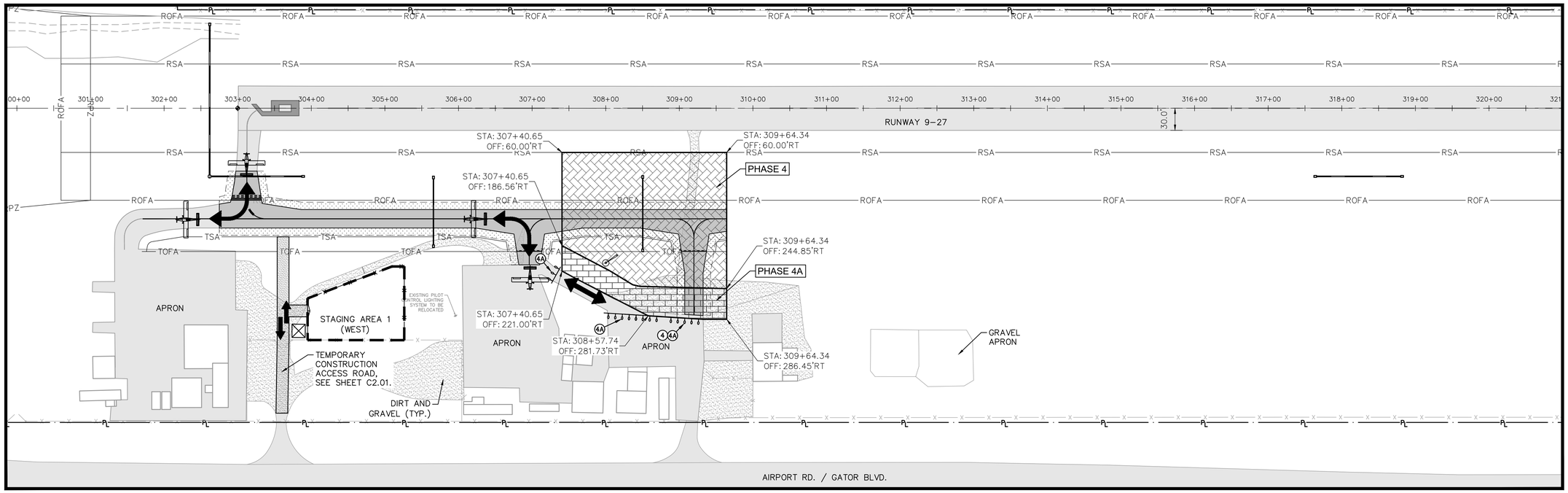

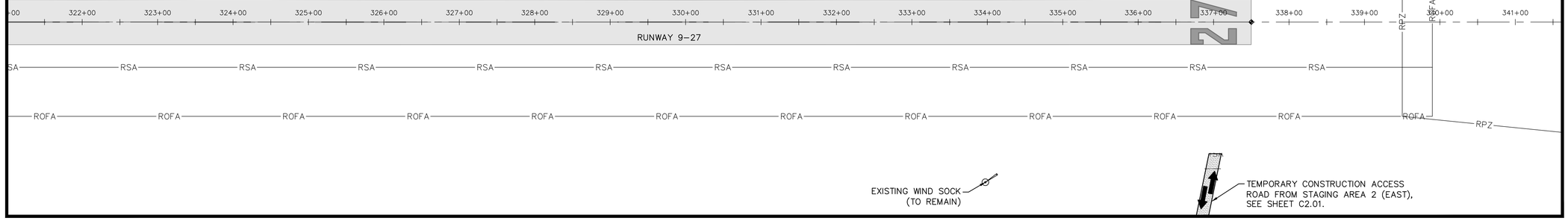

LEGEND:

- PHASE 4
- PHASE 4A
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 4

PHASE 4: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING..
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 4A: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 4: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS OR OF RUNWAY 9-27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

PHASE 4A: AIRCRAFT MOVEMENT

CONSTRUCTION IN THIS WORK AREA WILL REQUIRE THE CLOSURE OVER A SINGLE WEEKEND – FRIDAY 3:00 PM TO MONDAY 6:00 AM, PHASE TO BE PAVED CONCURRENTLY WITH PHASE 4.

PHASE 4: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 440' EAST OF RW 9-27 WEST END TO 665' EAST OF THE RW 9-27 WEST END, AND 60' SOUTH OF THE RW 9-27 CENTERLINE TO 185' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 4A: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 440' EAST OF RW 9-27 WEST END TO 665' EAST OF THE RW 9-27 WEST END, AND 185' SOUTH OF THE RW 9-27 CENTERLINE TO 285' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 4: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3A.

PHASE 4A: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED CONCURRENTLY WITH PHASE 4.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021		DESIGNED BY	MEM
DATE	APRIL 2021	DRAWN BY	ALB
SCALE	AS SHOWN	CHECKED BY	TFO

PHASING AND SAFETY PLAN - PHASE 4

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C3.07

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C3.07 PHASING AND SAFETY PLAN – PHASE 4 April 06, 2021 01:48:39pm K:\TL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.07 PHASE 4.dwg
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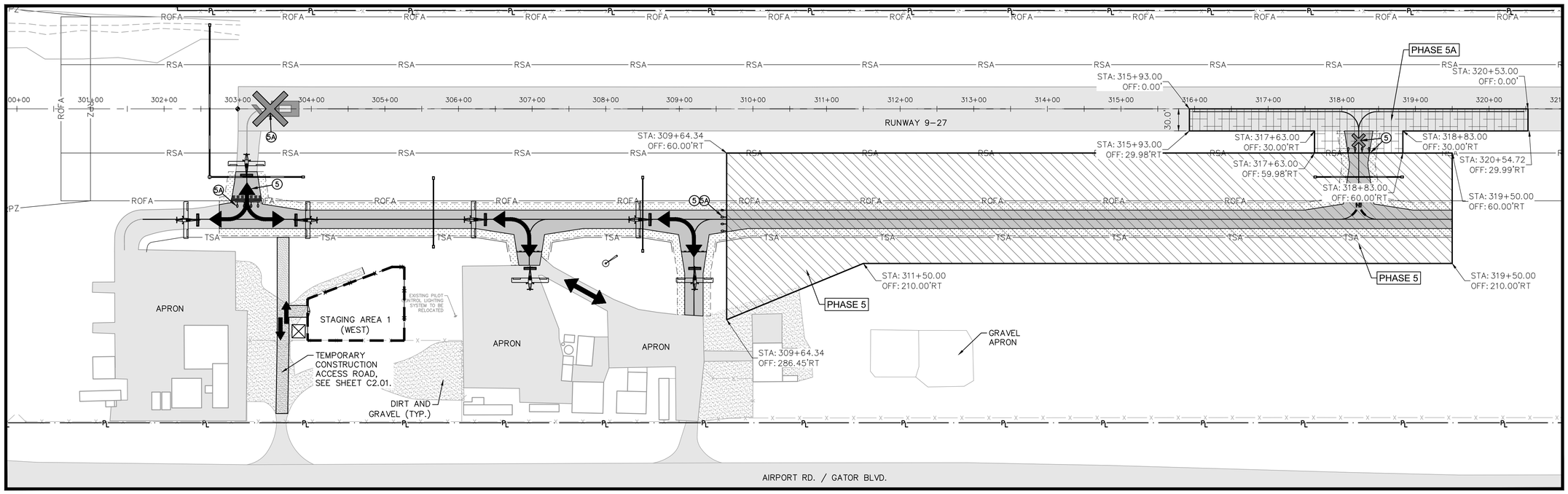

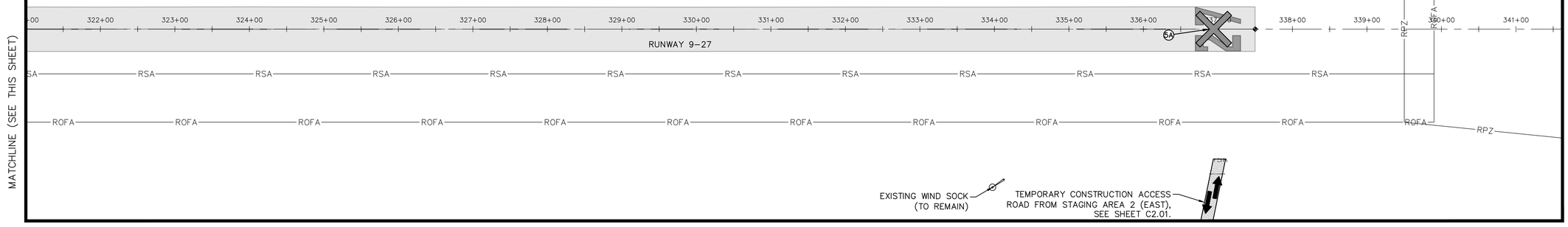

LEGEND:

- PHASE 5
- PHASE 5A
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 5

PHASE 5: WORK DESCRIPTION

- INSTALL BARRICADES AND TAXIWAY "X" (WHEN CONNECTOR IS COMPLETED)..
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 5A: WORK DESCRIPTION

- INSTALL BARRICADES AND LIGHTED "X".
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

PHASE 5: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS OR OF RUNWAY 9–27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

PHASE 5A: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE CLOSURE OF EXISTING TAXIWAYS AND RUNWAY 9–27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 3:00 PM TO 11:00 PM.

PHASE 5: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 665' EAST OF THE RW 9–27 WEST END TO STATION 319+50, AND 60' SOUTH OF THE RW 9–27 CENTERLINE TO 210' SOUTH OF THE RW 9–27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 5A: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 1290' EAST OF THE RW 9–27 WEST END TO 1750' EAST OF RW 9–27 WEST END, AND 0' SOUTH OF THE RW 9–27 CENTERLINE TO 60' SOUTH OF THE RW 9–27 CENTERLINE. SEE PLAN FOR DIMENSIONS

PHASE 5: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 4A.

PHASE 5A: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED CONCURRENTLY WITH PHASE 5.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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LICENSED PROFESSIONAL ENGINEER
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PHASING AND SAFETY PLAN - PHASE 5

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C3.08

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C3.08 PHASING AND SAFETY PLAN – PHASE 5 April 06, 2021 01:49:01pm K:\TLL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.08 PHASE 5.dwg
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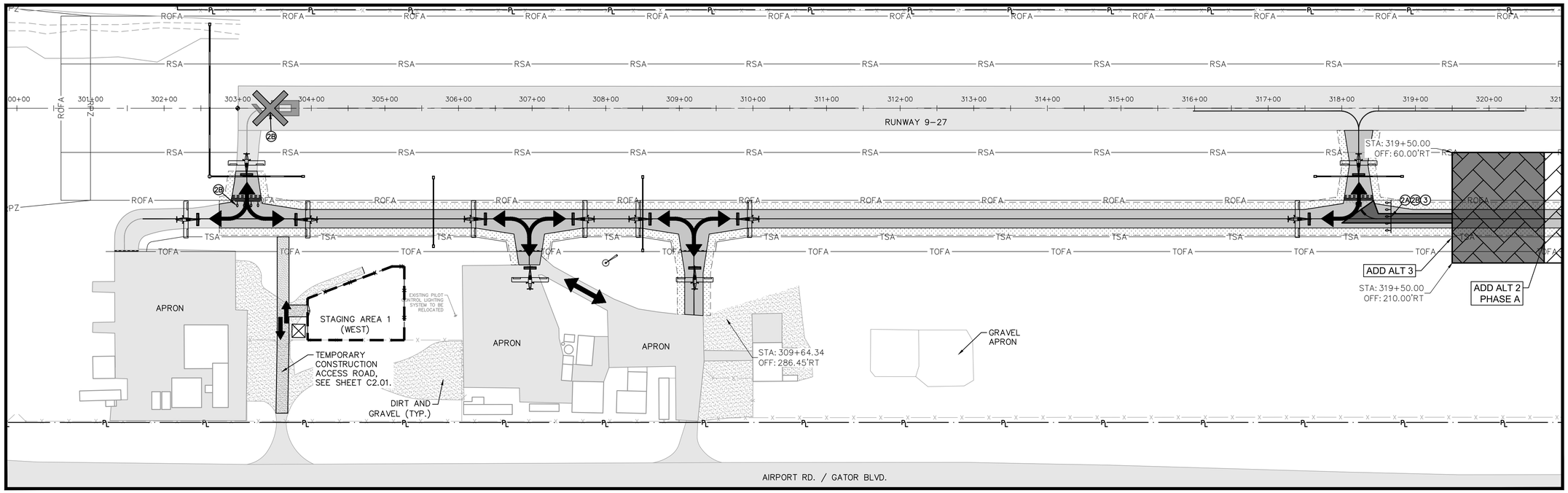

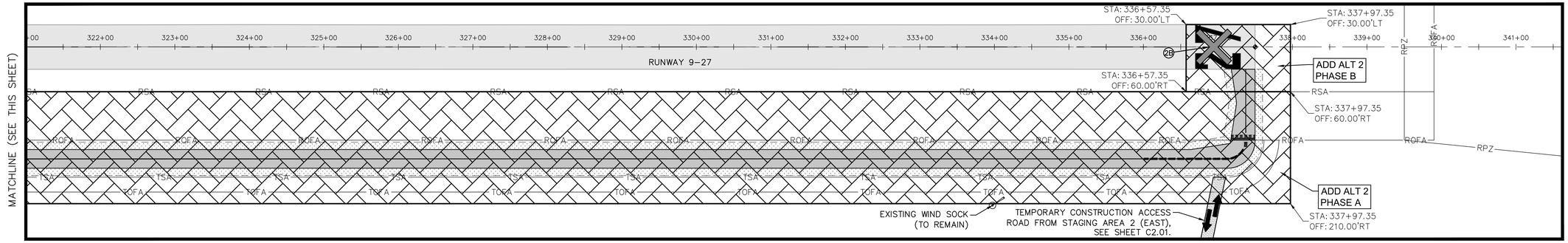

LEGEND:

- ADD ALT 2 PHASE A
- ADD ALT 2 PHASE B
- ADD ALT 3
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

ADD ALT 2 AND 3

ADD ALT 2 PHASE A: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

ADD ALT 2 PHASE B: WORK DESCRIPTION

- INSTALL BARRICADES AND LIGHTED "X".
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.
- PAVE (P-401) ASPHALT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDROSEEDING.

ADD ALT 3: WORK DESCRIPTION

- INSTALL BARRICADES.
- INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.
- PERFORM CLEARING AND GRUBBING.
- PERFORM EXCAVATION AND DEMUCKING.
- CONSTRUCT EMBANKMENT.
- APPLY TEMPORARY PAINT MARKINGS.
- INSTALL TOPSOILING, SODDING AND HYDRO SEEDING.

ADD ALT 2 PHASE A: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS OR OF RUNWAY 9-27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

ADD ALT 2 PHASE B: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE CLOSURE OF EXISTING TAXIWAYS AND RUNWAY 9-27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 3:00 PM TO 11:00 PM.

ADD ALT 3: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE NO CLOSURE OF EXISTING TAXIWAYS AND RUNWAY 9-27. WORK WILL BE PERFORMED 8 HOURS PER DAY, MONDAY THROUGH FRIDAY, 8:00 AM TO 4:00 PM.

ADD ALT 2 PHASE A: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM STATION 319+50 TO 50' EAST OF RW 9-27 EAST END, AND 60' SOUTH OF THE RW 9-27 CENTERLINE TO 210' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

ADD ALT 2 PHASE B: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM 95' WEST OF THE RW 9-27 EAST END TO 45' EAST OF RW 9-27 EAST END, AND 30' NORTH OF THE RW 9-27 CENTERLINE TO 60' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

ADD ALT 3: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE AREA FROM STATION 319+50 TO STATION 320+60, AND 60' SOUTH OF THE RW 9-27 CENTERLINE TO 175' SOUTH OF THE RW 9-27 CENTERLINE. SEE PLAN FOR DIMENSIONS

ADD ALT 2 PHASE A: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 5A CONTINGENT ON AWARD OF ADD ALTERNATE 2.

ADD ALT 2 PHASE B: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF ADD ALTERNATE 2 PHASE A CONTINGENT ON AWARD OF ADD ALTERNATE 2.

ADD ALT 3: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 5A CONTINGENT ON AWARD OF ADD ALTERNATE 3.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PHASING AND SAFETY PLAN - ADD ALT 2 AND 3

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C3.09

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C3.09 PHASING AND SAFETY PLAN – ADD ALT 2 AND 3 April 06, 2021 01:49:27pm K:\TL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C3.09 PHASE ADD ALT 2 and 3.dwg
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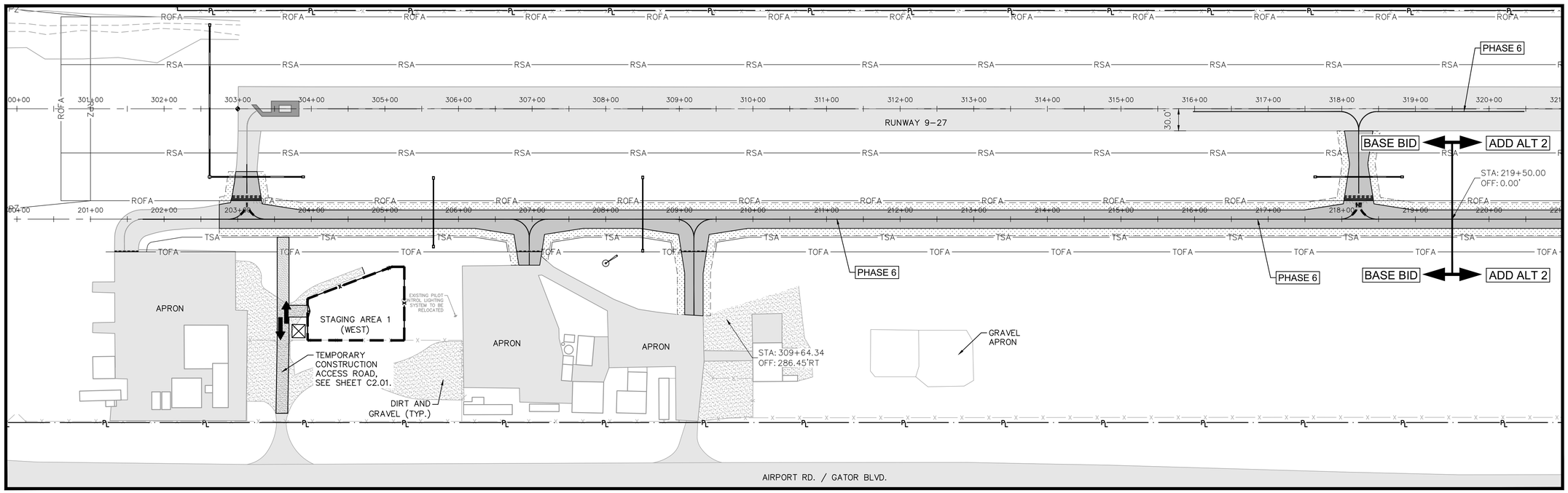

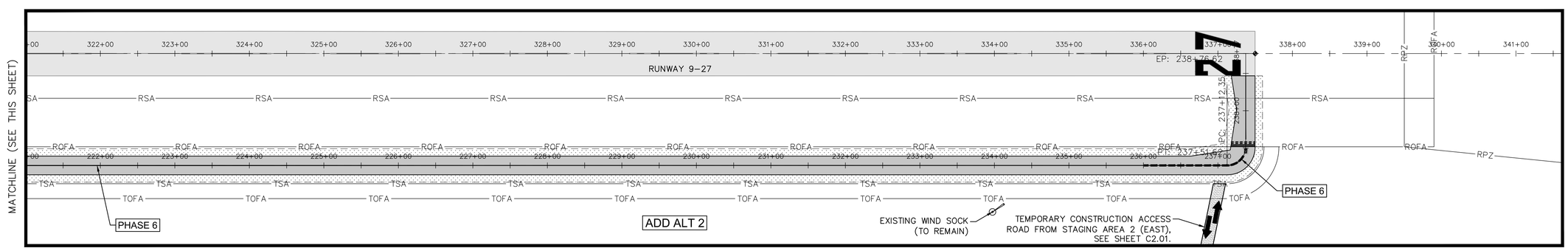

LEGEND:

- PHASE 6
- (A) APPROXIMATE BARRICADE LOCATION BY PHASE NUMBER
- LOW LEVEL AIRFIELD BARRICADES – GROUP A – IN PLACE FOR DURATION OF PHASE
- LOW LEVEL AIRFIELD BARRICADES – GROUP B – IN PLACE DURING WORKING HOURS
- TEMP. TAXIWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- TEMP. LIGHTED RUNWAY CLOSURE MARKER SEE DETAIL SHEET C2.02
- EXISTING ASPHALT
- NEW PAVEMENT SEE PAVEMENT GEOMETRY PLANS, SHEETS C8.01 TO C8.04
- AIRCRAFT MOVEMENT
- ACCESS ARROWS

PHASE 6

PHASE 6: WORK DESCRIPTION

- ALLOW ASPHALT TO CURE 28 DAYS
- INSTALL BARRICADES AND LIGHTED "X" AS REQUIRED TO COMPLETE MARKING TASK. CONTRACTOR TO COORDINATE WITH RPR.
- APPLY FINAL PAINT MARKINGS
- CORRECT EDGE CONDITIONS AS INSTRUCTED BY RPR
- PERFORM PUNCHLIST.

PHASE 6: AIRCRAFT MOVEMENT

CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE ROLLING CLOSURES OF TAXIWAYS AND RUNWAY 9–27. WORK WILL BE PERFORMED DURING THE DAY ON A PULL BACK BASIS AS REQUIRED TO COMPLETE MARKING TASK. CONTRACTOR TO COORDINATE WITH RPR.

PHASE 6: LIMITS OF WORK

THE LIMITS OF THIS WORK AREA ARE THE FULL LIMITS OF THE PROJECT

PHASE 6: WORK SEQUENCE

WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF ADD ALTERNATE 2 OR ADD ALTERNATE 3 CONTINGENT ON AWARD OF ADD ALTERNATE.

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

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WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: _____

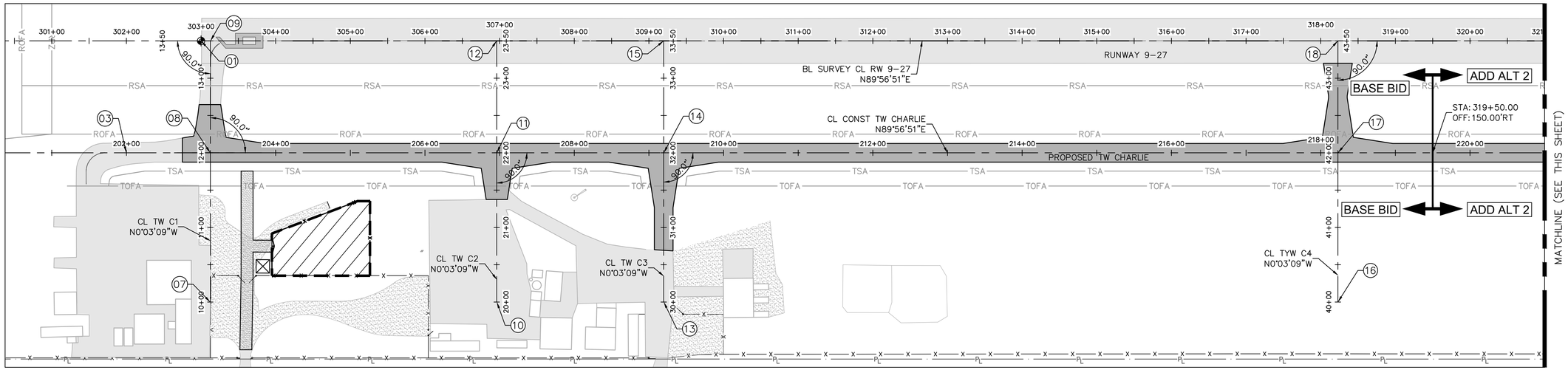
KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

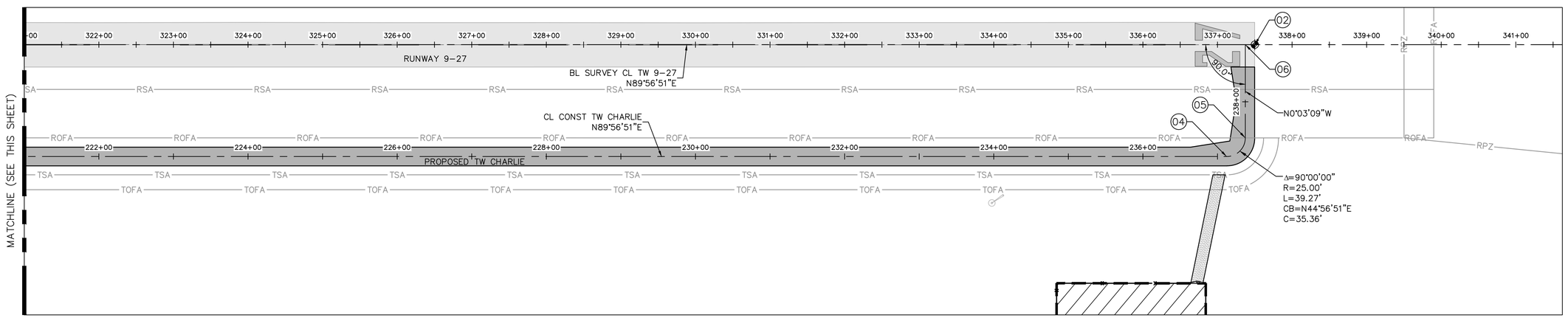
PHASING AND SAFETY PLAN - PHASE 6

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C3.10





PROJECT LAYOUT - SURVEY CONTROL POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
01	859612.49	765362.70	NAIL & WASHER BL SURVEY WEST END CL RW EL.=10.67'
02	859615.65	768812.74	NAIL & WASHER BL SURVEY EAST END CL RW EL.=10.38'
03	859462.45	765262.82	BEGIN CL CONST TW C STA 202+00
04	859465.62	768775.17	PC CL CONST TW C STA 237+12.35
05	859490.64	768800.14	PT CL CONST TW C STA 237+51.62
06	859615.64	768800.03	END CL CONST TW C STA 238+76.62 @ BL SURVEY
07	859262.50	765375.50	BEGIN CL CONST TW C1 STA 10+00
08	859462.50	765375.32	CL CONST TW C1 STA 12+00 @ CL CONST TW C
09	859612.50	765375.18	END CL CONST TW C1 STA 13+50 @ BL SURVEY
10	859262.85	765759.15	BEGIN CL CONST TW C2 STA 20+00
11	859462.85	765758.97	CL CONST TW C2 STA 22+00 @ CL CONST TW C
12	859612.85	765758.83	END CL CONST TW C2 STA 23+50 @ BL SURVEY
13	859263.06	765982.84	BEGIN CL CONST TW C3 STA 30+00
14	859463.06	765982.66	CL CONST TW C3 STA 32+00 @ CL CONST TW C
15	859613.06	765982.52	END CL CONST TW C3 STA 33+50 @ BL SURVEY
16	859263.89	766886.00	CL CONST TW C4 STA 40+00
17	859463.89	766885.82	CL CONST TW C4 STA 42+00 @ CL CONST TWC
18	859613.89	766885.68	END CL CONST TW C4 STA 43+50 @ BL SURVEY

NORTH

GRAPHIC SCALE IN FEET
0 37.5 75 150

NOTES:

1. SURVEY PROVIDED BY PAG SURVEYORS, INC. DATE OF SURVEY SEMPTEMBER 13, 2019, ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM. (THIS IS NOT A BOUNDARY SURVEY).
2. THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM 1983, 1988 ADJUSTMENT, OF THE FLORIDA STATE PLANE COORDINATE SYSTEM.
3. REFER TO SUR-1 THROUGH SUR-3 SHEETS FOR ADDITIONAL SURVEY INFORMATION.

LEGEND:

- 13 — CONTROL POINT NUMBER
- EXISTING PAVEMENT
- NEW TAXIWAY CHARLIE PAVEMENT

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WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PROJECT LAYOUT - SURVEY CONTROL

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C4.01

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C4.01 SURVEY CONTROL April 06, 2021 01:50:07pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C4.01-LAYOUT-SURVEY.dwg
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LEGEND

- SILT FENCE
- X X — EXISTING FENCE
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- RPZ — RUNWAY PROTECTION ZONE
- TSA — TAXIWAY SAFETY AREA
- TOFA — TAXIWAY OBJECT FREE AREA

KEY

1. INSTALL SILT FENCE BEFORE BEGINNING CONSTRUCTION & MAINTAIN IN PLACE UNTIL END OF CONSTRUCTION.
2. CONSTRUCTION ACCESS POINTS. CONSTRUCT GRAVEL CONSTRUCTION ENTRANCE PER DETAIL
3. UPON THE COMPLETION OF CONSTRUCTING THE DRAINAGE STRUCTURES, CONTRACTOR TO INSTALL FILTER SACK. FILTER SACK TO REMAIN IN PLACE THROUGH THE DURATION OF CONSTRUCTION.

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No.	REVISIONS	DATE	BY

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THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
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DATE APRIL 2021
SCALE AS SHOWN
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CHECKED BY TFO

STORMWATER POLLUTION PREVENTION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C5.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C5.01 STORMWATER POLLUTION PREVENTION PLAN April 06, 2021 01:50:32pm K:\TL_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C5.01 SWPPP PLAN.dwg
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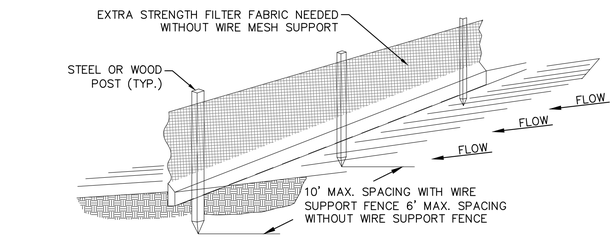
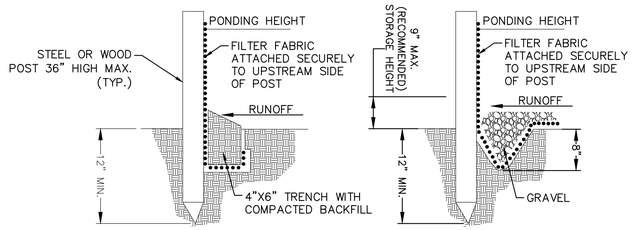




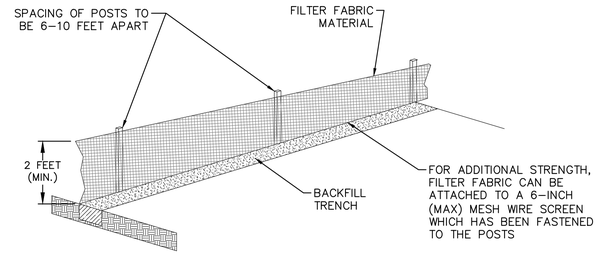
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

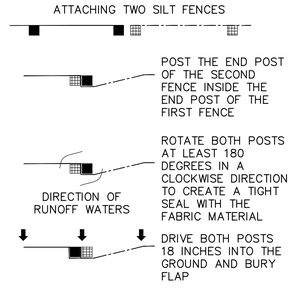
ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTES:

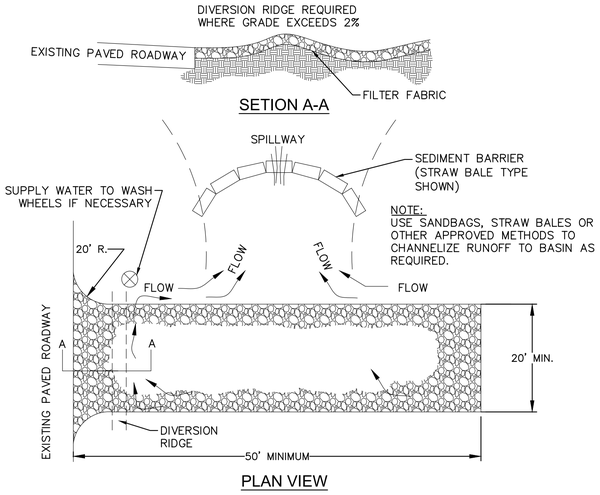
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL
N.T.S.





SILT FENCE INSTALLATION DETAIL
N.T.S.



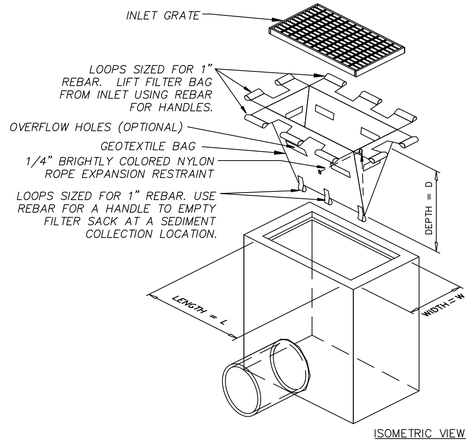
SETION A-A

PLAN VIEW

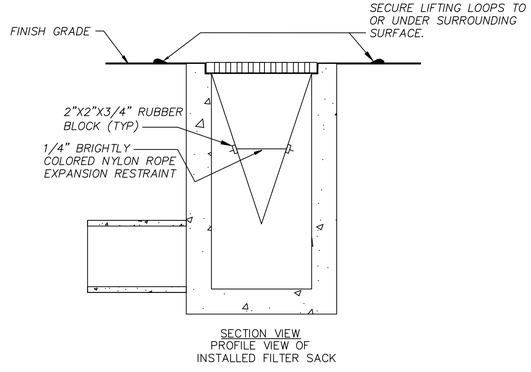
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
N.T.S.



ISOMETRIC VIEW



SECTION VIEW
PROFILE VIEW OF INSTALLED FILTER SACK

NOTES:

1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1
MODERATE TO HIGH FLOW	GEOTEXTILE FABRIC	SPECIFICATION TABLE
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

FILTER SACK DETAIL
N.T.S.

STORM WATER POLLUTION PREVENTION NOTES:

1. STORM WATER POLLUTION PREVENTION SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.
2. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
   - A IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
   - B STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION BY SILT FENCE, HAY BALE, AND/OR TURBIDITY BARRIER. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL. DURING THE VARIOUS STAGES OF CONSTRUCTION MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
3. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE AND SHALL USE ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
4. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS, SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
5. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
6. PAYMENT FOR STORMWATER POLLUTION PREVENTION PLAN SHALL BE INCLUDED UNDER ITEM P-156.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMIT REQUIREMENTS AS SET FORTH BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DEP DOCUMENT NO. 62-621.300(4)(a). CONTRACTOR IS TO ADHERE TO THE PROVISIONS OF SECTION 403.0885, FLORIDA STATUTES AND 62-4.050(4)(d), FLORIDA ADMINISTRATIVE CODE. PAYMENT SHALL BE CONSIDERED UNDER ITEM P-156.

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No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

SWPPP DETAILS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C5.02

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C5.02 SWPPP DETAILS April 06, 2021 01:50:43pm K:\TN_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C5.02 SWPPP DETAILS.dwg
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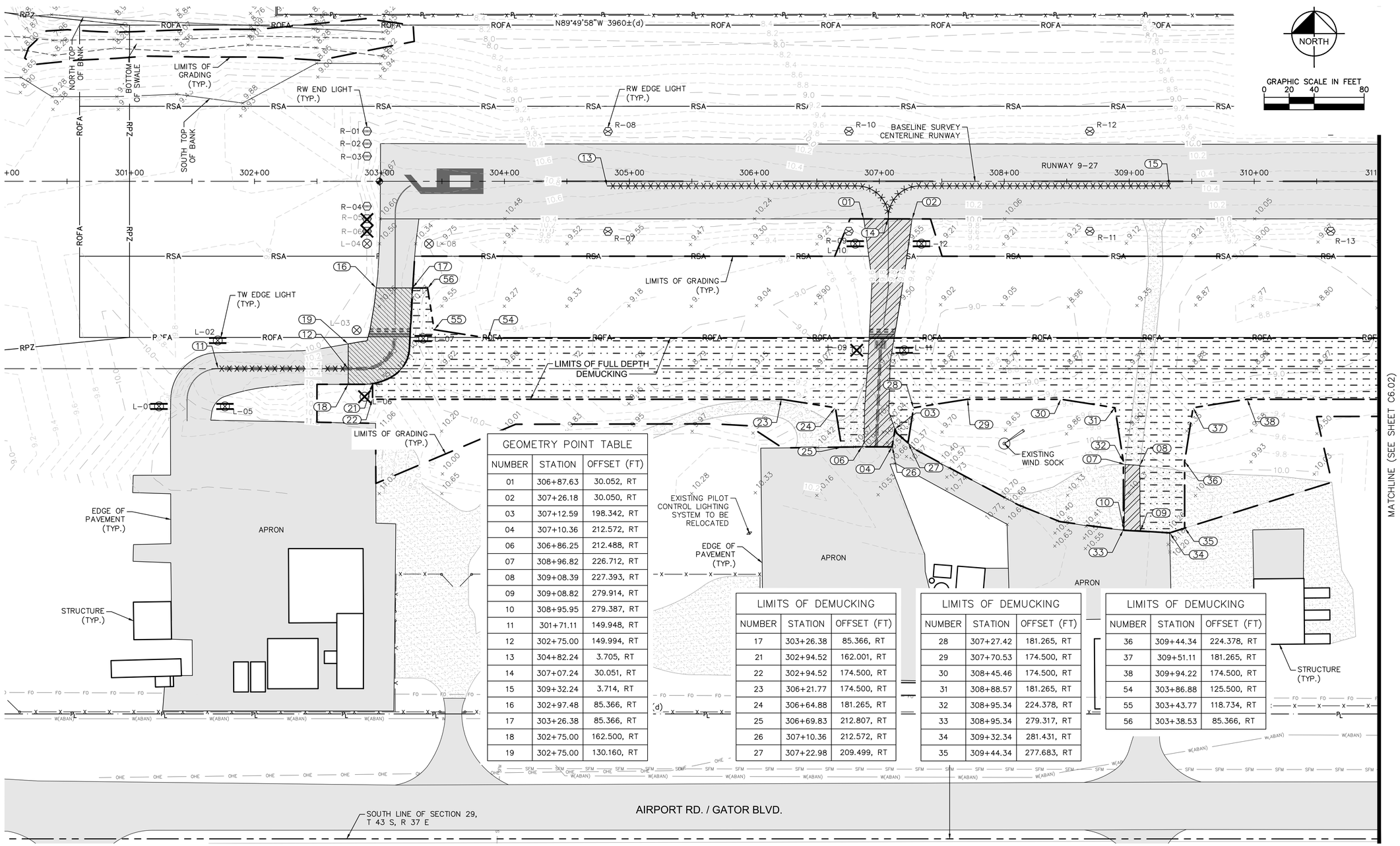

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
01	306+87.63	30.052, RT
02	307+26.18	30.050, RT
03	307+12.59	198.342, RT
04	307+10.36	212.572, RT
06	306+86.25	212.488, RT
07	308+96.82	226.712, RT
08	309+08.39	227.393, RT
09	309+08.82	279.914, RT
10	308+95.95	279.387, RT
11	301+71.11	149.948, RT
12	302+75.00	149.994, RT
13	304+82.24	3.705, RT
14	307+07.24	30.051, RT
15	309+32.24	3.714, RT
16	302+97.48	85.366, RT
17	303+26.38	85.366, RT
18	302+75.00	162.500, RT
19	302+75.00	130.160, RT

LIMITS OF DEMUCKING		
NUMBER	STATION	OFFSET (FT)
17	303+26.38	85.366, RT
21	302+94.52	162.001, RT
22	302+94.52	174.500, RT
23	306+21.77	174.500, RT
24	306+64.88	181.265, RT
25	306+69.83	212.807, RT
26	307+10.36	212.572, RT
27	307+22.98	209.499, RT

LIMITS OF DEMUCKING		
NUMBER	STATION	OFFSET (FT)
28	307+27.42	181.265, RT
29	307+70.53	174.500, RT
30	308+45.46	174.500, RT
31	308+88.57	181.265, RT
32	308+95.34	224.378, RT
33	308+95.34	279.317, RT
34	309+32.34	281.431, RT
35	309+44.34	277.683, RT

LIMITS OF DEMUCKING		
NUMBER	STATION	OFFSET (FT)
36	309+44.34	224.378, RT
37	309+51.11	181.265, RT
38	309+94.22	174.500, RT
54	303+86.88	125.500, RT
55	303+43.77	118.734, RT
56	303+38.53	85.366, RT

NOTES:

1. PRIOR TO DEMOLITION, CONTRACTOR SHALL COORDINATE THE EXACT LIMIT OF MARKING REMOVAL WITH THE OWNER.
2. CONTRACTOR SHALL PROTECT EXISTING MARKINGS TO REMAIN. ANY DAMAGES TO EXISTING MARKINGS TO REMAIN SHALL BE RESTORED IN-KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
3. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO PROTECT EXISTING UTILITIES TO REMAIN IN PLACE.
4. REFER TO C8.01 THROUGH C8.04 SHEETS FOR ADDITIONAL GEOMETRY INFORMATION.
5. SURVEY PROVIDED BY PAG SURVEYORS, INC. DATE OF SURVEY SEMPTEMBER 13, 2019, ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM. (THIS IS NOT A BOUNDARY SURVEY)

LEGEND:

- EXISTING PAVEMENT
- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/FIBER OPTIC

EXISTING LIGHT LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
- BLUE SOLAR TAXIWAY EDGE LIGHT
- DAMAGED RUNWAY END LIGHT TO BE DISCARDED AND REPLACED.
- DAMAGED RUNWAY EDGE LIGHT TO BE DISCARDED AND REPLACED.
- RUNWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.
- DAMAGED TAXIWAY EDGE LIGHT TO BE DISCARDED AND REPLACED. CONTRACTOR TO SALVAGE AND RELOCATE RUBBER MAT.
- TAXIWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.

DEMO LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- ASPHALT PAVEMENT MILL REFER TO PAVEMENT GEOMETRY PLANS SHEETS C8.01 TO C8.04
- FULL DEPTH DEMUCKING
- EXISTING PAVEMENT MARKING REMOVAL
- LIMITS OF GRADING

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FLORIDA LICENSE NUMBER
62478
DATE: _____

KHA PROJECT 144086021			
DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	
		DRAWN BY ALB	
		CHECKED BY TFO	

EXISTING CONDITIONS & DEMOLITION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C6.01

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C6.01 EXISTING CONDITIONS April 06, 2021 01:50:58pm K:\TLL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-EXIST TW C.dwg
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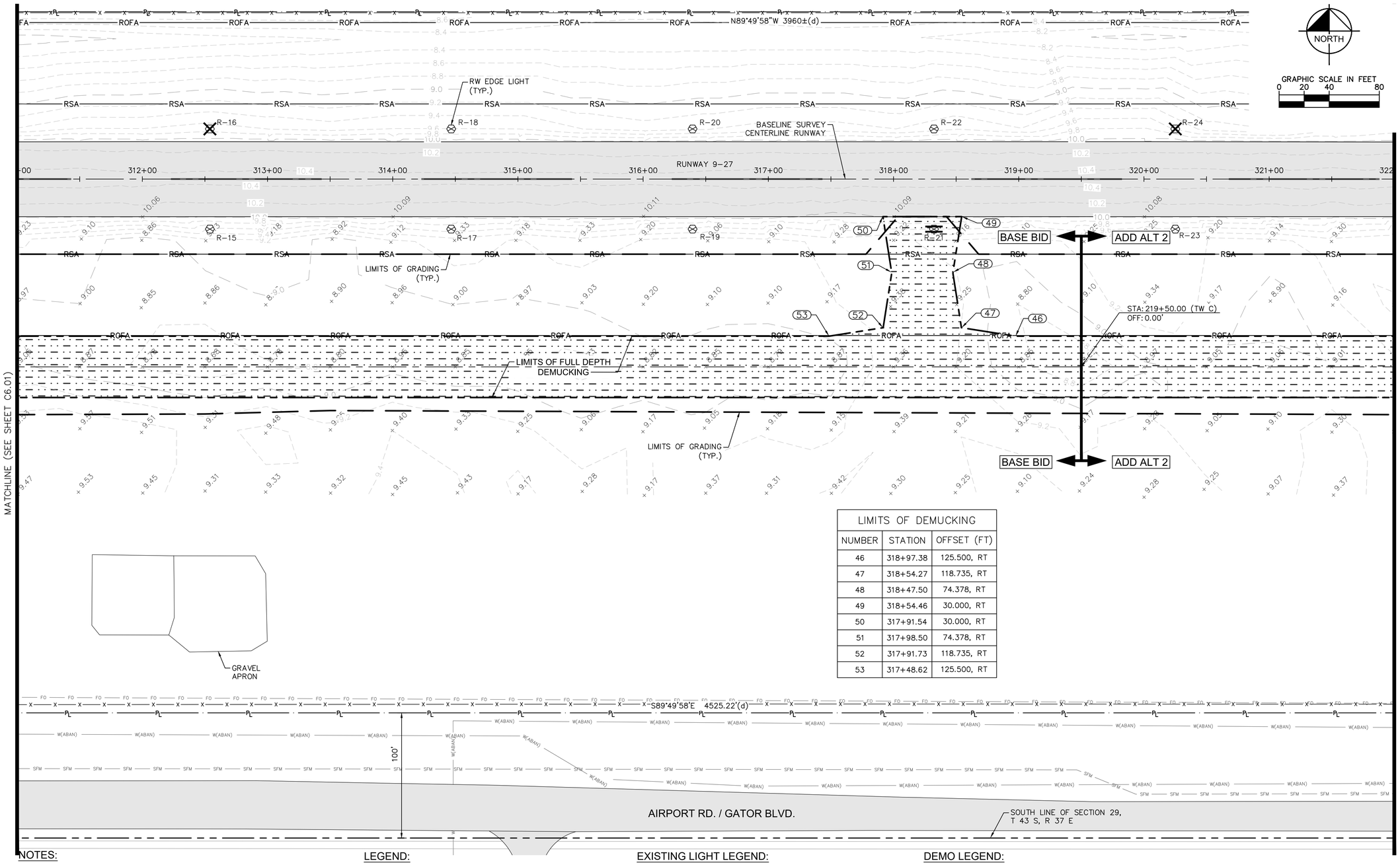

LIMITS OF DEMUCKING		
NUMBER	STATION	OFFSET (FT)
46	318+97.38	125.500, RT
47	318+54.27	118.735, RT
48	318+47.50	74.378, RT
49	318+54.46	30.000, RT
50	317+91.54	30.000, RT
51	317+98.50	74.378, RT
52	317+91.73	118.735, RT
53	317+48.62	125.500, RT

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- TAXIWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.

DEMO LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- ASPHALT PAVEMENT MILL REFER TO PAVEMENT GEOMETRY PLANS SHEETS C8.01 TO C8.04
- EXISTING PAVEMENT MARKING REMOVAL
- LIMITS OF DEMUCKING
- LIMITS OF GRADING

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FLORIDA LICENSE NUMBER 62478
DATE: ———

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

EXISTING CONDITIONS & DEMOLITION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C6.02

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C6.02 EXISTING CONDITIONS April 06, 2021 01:51:01pm K:\TW_aviation\144086021 – belle glade x10 tw charlie design\CAD\plotsheets\C-MULTI-EXIST TW C.dwg
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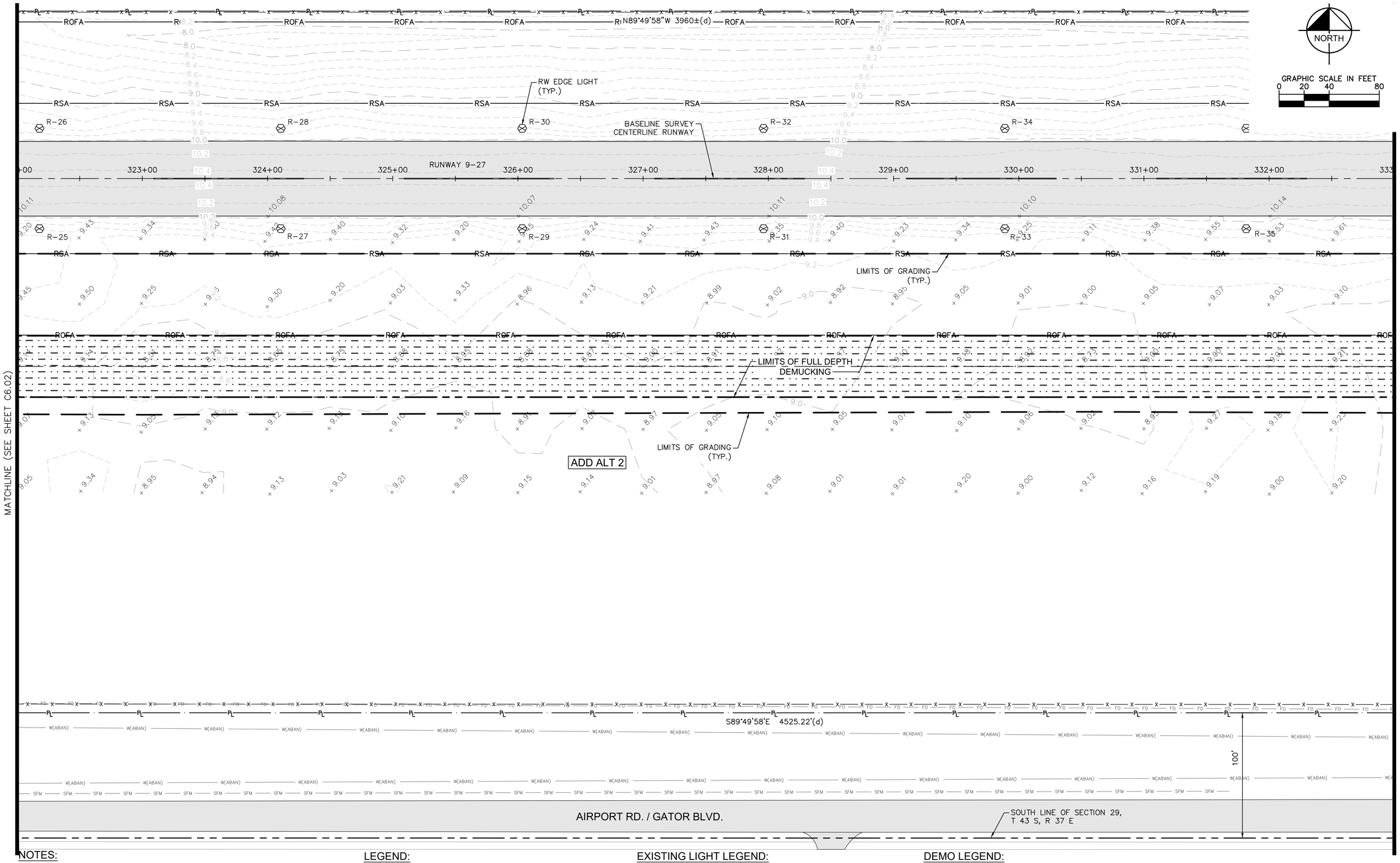

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2. CONTRACTOR SHALL PROTECT EXISTING MARKINGS TO REMAIN. ANY DAMAGES TO EXISTING MARKINGS TO REMAIN SHALL BE RESTORED IN-KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
3. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO PROTECT EXISTING UTILITIES TO REMAIN IN PLACE.
4. REFER TO C8.01 THROUGH C8.04 SHEETS FOR ADDITIONAL GEOMETRY INFORMATION.
5. SURVEY PROVIDED BY PAG SURVEYORS, INC. DATE OF SURVEY SEMPTEMBER 13, 2019, ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM. (THIS IS NOT A BOUNDARY SURVEY)

LEGEND:

- EXISTING PAVEMENT
- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/FIBER OPTIC

EXISTING LIGHT LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
- BLUE SOLAR TAXIWAY EDGE LIGHT
- DAMAGED RUNWAY END LIGHT TO BE DISCARDED AND REPLACED.
- DAMAGED RUNWAY EDGE LIGHT TO BE DISCARDED AND REPLACED.
- RUNWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.
- DAMAGED TAXIWAY EDGE LIGHT TO BE DISCARDED AND REPLACED. CONTRACTOR TO SALVAGE AND RELOCATE RUBBER MAT.
- TAXIWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.

DEMO LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- ASPHALT PAVEMENT MILL REFER TO PAVEMENT GEOMETRY PLANS SHEETS C8.01 TO C8.04
- EXISTING PAVEMENT MARKING REMOVAL
- LIMITS OF DEMUCKING
- LIMITS OF GRADING

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021			
DATE APRIL 2021	SCALE	AS SHOWN	
	DESIGNED BY	MEM	
	DRAWN BY	ALB	
	CHECKED BY	TFO	

EXISTING CONDITIONS & DEMOLITION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C6.03

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C6.03 EXISTING CONDITIONS April 06, 2021 01:51:04pm K:\Ytl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-EXIST TW C.dwg
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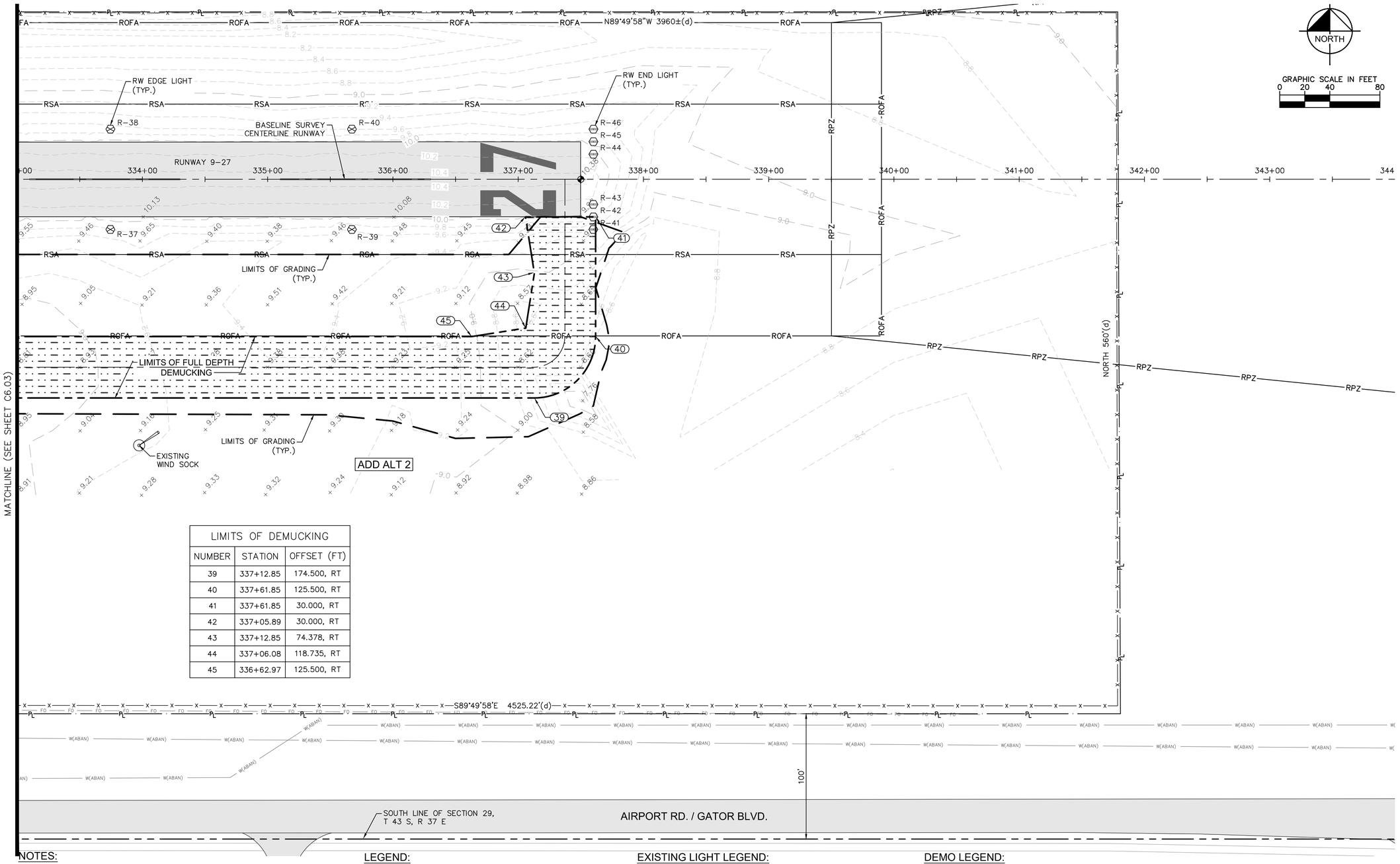

LIMITS OF DEMUCKING		
NUMBER	STATION	OFFSET (FT)
39	337+12.85	174.500, RT
40	337+61.85	125.500, RT
41	337+61.85	30.000, RT
42	337+05.89	30.000, RT
43	337+12.85	74.378, RT
44	337+06.08	118.735, RT
45	336+62.97	125.500, RT

NOTES:

1. PRIOR TO DEMOLITION, CONTRACTOR SHALL COORDINATE THE EXACT LIMIT OF MARKING REMOVAL WITH THE OWNER.
2. CONTRACTOR SHALL PROTECT EXISTING MARKINGS TO REMAIN. ANY DAMAGES TO EXISTING MARKINGS TO REMAIN SHALL BE RESTORED IN-KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
3. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO PROTECT EXISTING UTILITIES TO REMAIN IN PLACE.
4. REFER TO C8.01 THROUGH C8.04 SHEETS FOR ADDITIONAL GEOMETRY INFORMATION.
5. SURVEY PROVIDED BY PAG SURVEYORS, INC. DATE OF SURVEY SEMPTEMBER 13, 2019, ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM. (THIS IS NOT A BOUNDARY SURVEY)

LEGEND:

- EXISTING PAVEMENT
- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/FIBER OPTIC

EXISTING LIGHT LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
- BLUE SOLAR TAXIWAY EDGE LIGHT
- DAMAGED RUNWAY END LIGHT TO BE DISCARDED AND REPLACED.
- DAMAGED RUNWAY EDGE LIGHT TO BE DISCARDED AND REPLACED.
- RUNWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.
- DAMAGED TAXIWAY EDGE LIGHT TO BE DISCARDED AND REPLACED. CONTRACTOR TO SALVAGE AND RELOCATE RUBBER MAT.
- TAXIWAY EDGE LIGHT TO BE REMOVED AND RELOCATED.

DEMO LEGEND:

- FULL DEPTH PAVEMENT REMOVAL
- ASPHALT PAVEMENT MILL REFER TO PAVEMENT GEOMETRY PLANS SHEETS C8.01 TO C8.04
- EXISTING PAVEMENT MARKING REMOVAL
- LIMITS OF DEMUCKING
- LIMITS OF GRADING

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ———

KHA PROJECT 144086021			
DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

EXISTING CONDITIONS & DEMOLITION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C6.04

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C6.04 EXISTING CONDITIONS April 06, 2021 01:51:08pm K:\Ttl_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-EXIST TW C.dwg
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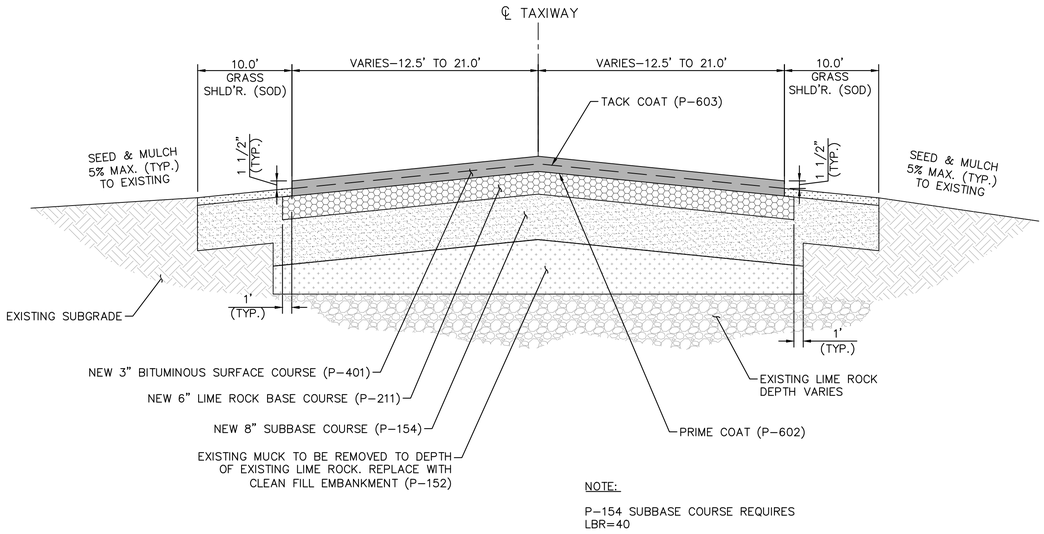
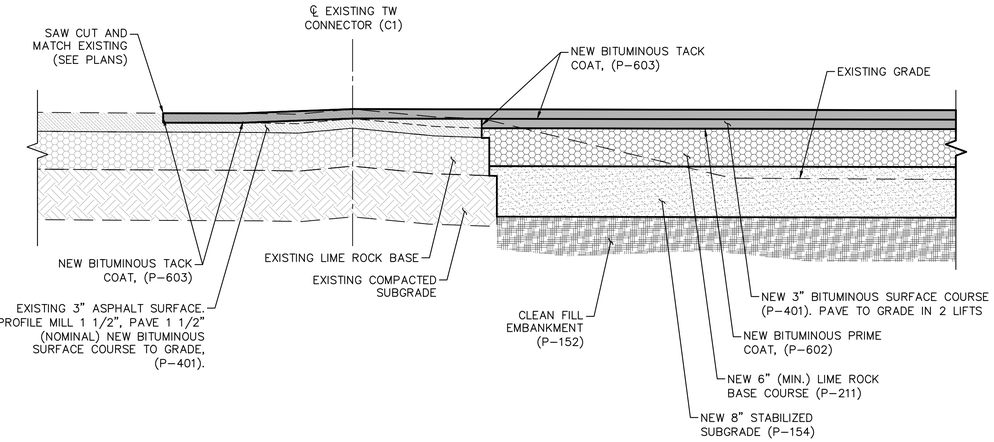


NOTE:

P–154 SUBBASE COURSE REQUIRES LBR=40

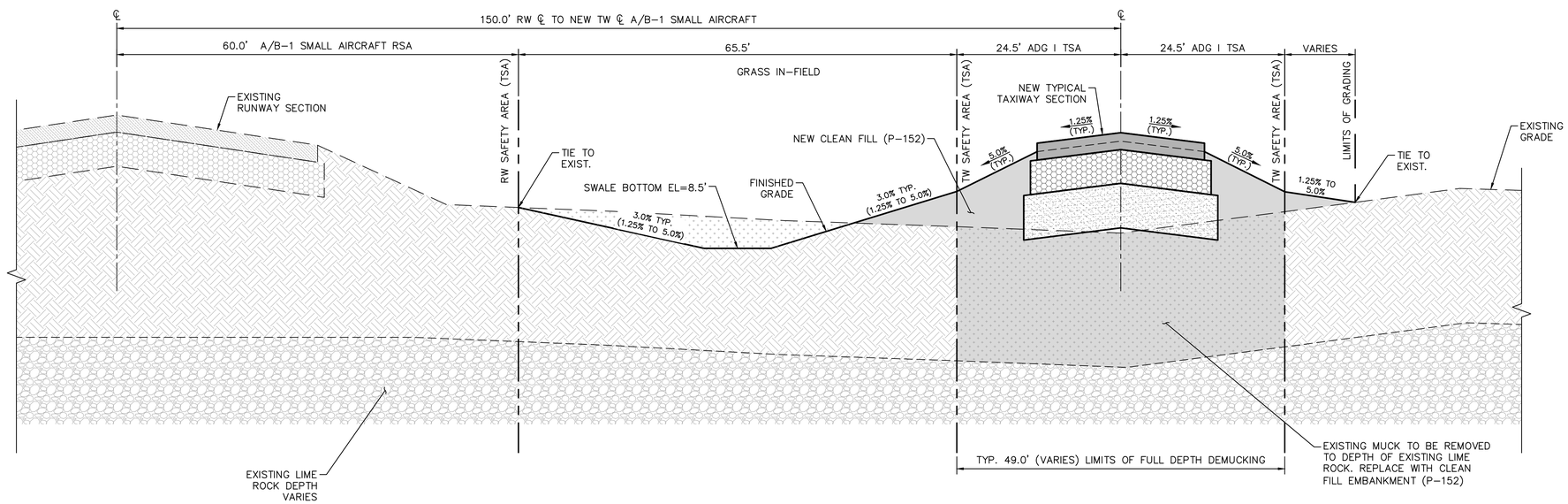
TYPICAL SECTION OF NEW TAXIWAY

NTS



DETAIL - TW C1 MILL AND OVERLAY TRANSITION NEW PAVEMENT TO ADJACENT EXISTING PAVEMENT (PROFILE MILL 1 1/2", PAVE TO GRADE)

NTS



DETAIL - DEMUCKING LIMITS

NTS

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62478
DATE: ____

KHA PROJECT	144086021
DATE	APRIL 2021
SCALE	AS SHOWN
DESIGNED BY	MEM
DRAWN BY	ALB
CHECKED BY	TFO

TYPICAL SECTIONS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C7.01

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C7.01 TYPICAL SECTIONS April 06, 2021 01:51:16pm K:\Tlh_aviation\144086021 – belle glade x10 tw charlie design\CAD\plotsheets\C7.01 TYPICAL SECTIONS.dwg
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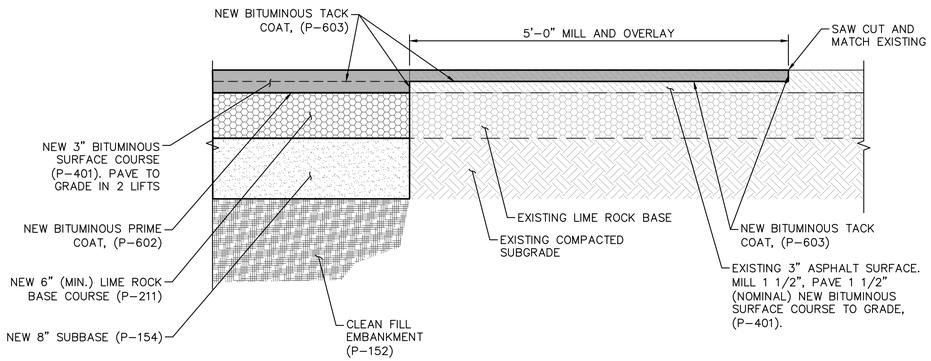
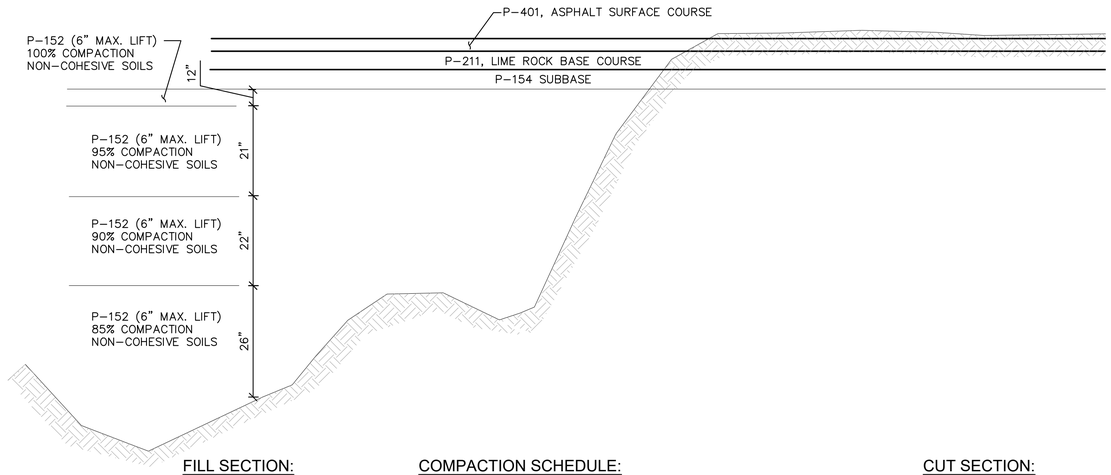


DETAIL - BUTT JOINT OVERLAY TRANSITION TO EXISTING
(MILL 1 1/2", PAVE 1 1/2")
NTS



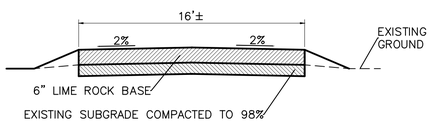
FILL SECTION:
NTS

COMPACTION SCHEDULE:
NTS

CUT SECTION:
NTS

COMPACTION SCHEDULE NOTES:

1. THE SUBGRADE IN CUT AREAS SHALL HAVE NATURAL DENSITIES SHOWN OR (A) SHALL BE COMPACTED FROM THE SURFACE TO ACHIEVE THE REQUIRED DENSITIES, OR (B) SHALL BE REMOVED AND REPLACED IN WHICH CASE THE MINIMUM DENSITIES FOR FILLS APPLY. SEE SPECIFICATION P-152 FOR OVER EXCAVATION REQUIREMENTS.
2. NON-COHESIVE SOILS, FOR THE PURPOSE OF DETERMINING COMPACTION, ARE THOSE WITH A P.I. < 3.
3. UNDER AREAS THAT WILL NOT BE PAVED, ROLLING OPERATIONS SHALL BE CONTINUED UNTIL THE EMBANKMENT IS COMPACTED TO NOT LESS THAT 95% OF MAXIMUM DENSITY FOR NON COHESIVE SOILS AND 90% OF MAXIMUM DENSITY FOR COHESIVE SOILS PER ITEM P-152.



TEMPORARY ACCESS ROAD SECTION
N.T.S.

ACCESS ROAD NOTES:

1. ACCESS ROAD LOCATION AS SHOWN ON SHEET C2.01.
2. THE ACCESS ROAD SHALL BE 6" THICK.
3. AFTER COMPLETION OF CONSTRUCTION, THE ACCESS ROAD SHALL BE DEMOLISHED AND SOIL WILL BE RETURNED TO ITS ORIGINAL CONDITION OR BETTER. THE CONTRACTOR WILL SOD LIMITS.
4. ROAD ITS RESTORATION AND SODDING TO BE PAID FOR AS INCIDENTAL TO MOBILIZATION (C-105)

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FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

TYPICAL SECTIONS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C7.02

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C7.02 TYPICAL SECTIONS April 06, 2021 01:51:16pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C7.01 TYPICAL SECTIONS.dwg
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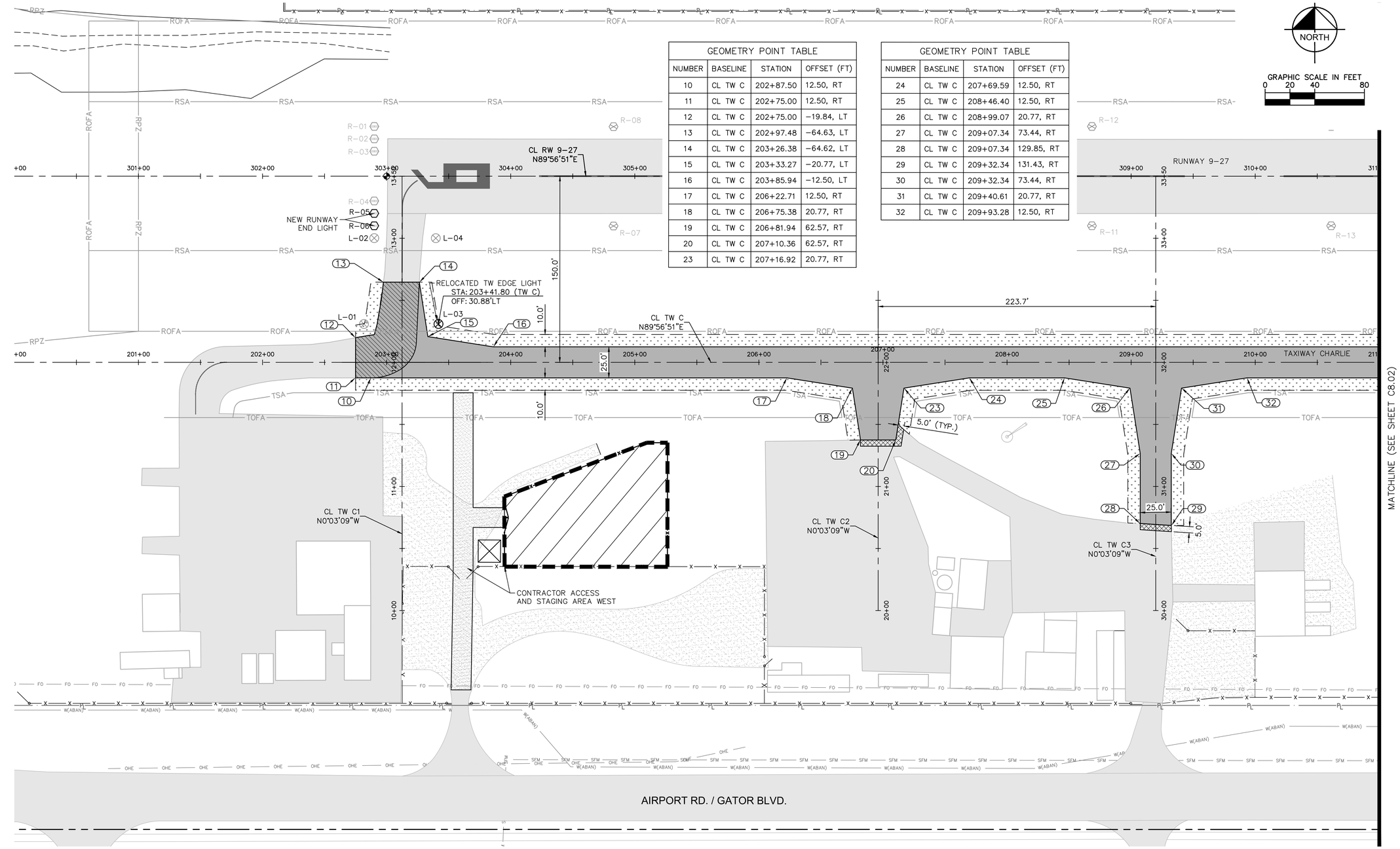
GEOMETRY POINT TABLE			
NUMBER	BASELINE	STATION	OFFSET (FT)
10	CL TW C	202+87.50	12.50, RT
11	CL TW C	202+75.00	12.50, RT
12	CL TW C	202+75.00	−19.84, LT
13	CL TW C	202+97.48	−64.63, LT
14	CL TW C	203+26.38	−64.62, LT
15	CL TW C	203+33.27	−20.77, LT
16	CL TW C	203+85.94	−12.50, LT
17	CL TW C	206+22.71	12.50, RT
18	CL TW C	206+75.38	20.77, RT
19	CL TW C	206+81.94	62.57, RT
20	CL TW C	207+10.36	62.57, RT
23	CL TW C	207+16.92	20.77, RT

GEOMETRY POINT TABLE			
NUMBER	BASELINE	STATION	OFFSET (FT)
24	CL TW C	207+69.59	12.50, RT
25	CL TW C	208+46.40	12.50, RT
26	CL TW C	208+99.07	20.77, RT
27	CL TW C	209+07.34	73.44, RT
28	CL TW C	209+07.34	129.85, RT
29	CL TW C	209+32.34	131.43, RT
30	CL TW C	209+32.34	73.44, RT
31	CL TW C	209+40.61	20.77, RT
32	CL TW C	209+93.28	12.50, RT



NOTES:

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C1.02. ALL UTILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAME TO EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.

LEGEND:

- EXISTING PAVEMENT
- CONSTRUCT NEW PAVEMENT SECTION TO GRADE SEE TYPICAL SECTION OF NEW TAXIWAY ON SHEET C7.01.
- PROFILE MILL AND OVERLAY TO GRADE SEE TYPICAL SECTION ON SHEET C7.01.
- BUTT JOINT OVERLAY TRANSITION TO EXISTING SEE DETAIL ON SHEET C7.02.
- CONSTRUCT SUBBASE (P-154) ON SHOULDER. SOD 10' ADJACENT TO TO PAVEMENT EDGE. SEE TYPICAL SECTION ON SHEET C7.01.

LEGEND:

- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/ FIBER OPTIC

LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
- BLUE SOLAR TAXIWAY EDGE LIGHT

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LICENSED PROFESSIONAL
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FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT	144086021
DATE	APRIL 2021
SCALE	AS SHOWN
DESIGNED BY	MEM
DRAWN BY	ALB
CHECKED BY	TFO

PAVEMENT GEOMETRY PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C8.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C8.01 GEOMETRY PLAN April 06, 2021 01:51:31pm K:\TIL_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GEOMETRY PLANS.dwg
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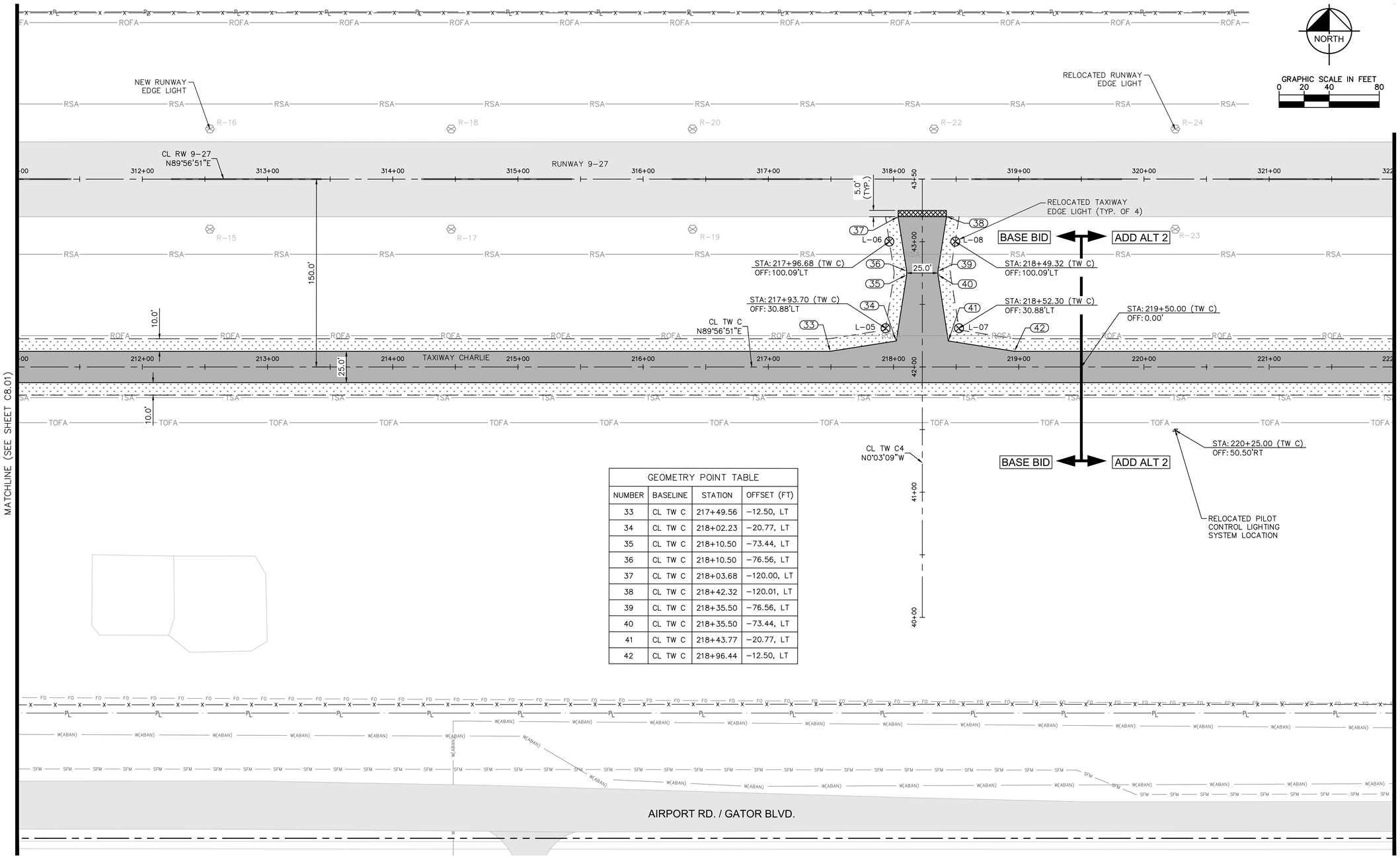

GEOMETRY POINT TABLE			
NUMBER	BASELINE	STATION	OFFSET (FT)
33	CL TW C	217+49.56	−12.50, LT
34	CL TW C	218+02.23	−20.77, LT
35	CL TW C	218+10.50	−73.44, LT
36	CL TW C	218+10.50	−76.56, LT
37	CL TW C	218+03.68	−120.00, LT
38	CL TW C	218+42.32	−120.01, LT
39	CL TW C	218+35.50	−76.56, LT
40	CL TW C	218+35.50	−73.44, LT
41	CL TW C	218+43.77	−20.77, LT
42	CL TW C	218+96.44	−12.50, LT

NOTES:

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C1.02. ALL UTILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAME TO EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.

LEGEND:

- EXISTING PAVEMENT
- CONSTRUCT NEW PAVEMENT SECTION TO GRADE SEE TYPICAL SECTION OF NEW TAXIWAY ON SHEET C7.01.
- PROFILE MILL AND OVERLAY TO GRADE SEE TYPICAL SECTION ON SHEET C7.01.
- BUTT JOINT OVERLAY TRANSITION TO EXISTING SEE DETAIL ON SHEET C7.02.
- CONSTRUCT SUBASE (P-154) ON SHOULDER. SOD 10' ADJACENT TO TO PAVEMENT EDGE. SEE TYPICAL SECTION ON SHEET C7.01.

LEGEND:

- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
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- WHITE SOLAR RUNWAY EDGE LIGHT
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FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

PAVEMENT GEOMETRY PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
FLORIDA
BELLE GLADE

SHEET NUMBER
C8.02

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C8.02 GEOMETRY PLAN April 06, 2021 01:51:33pm K:\Tlt_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GEOMETRY PLANS.dwg
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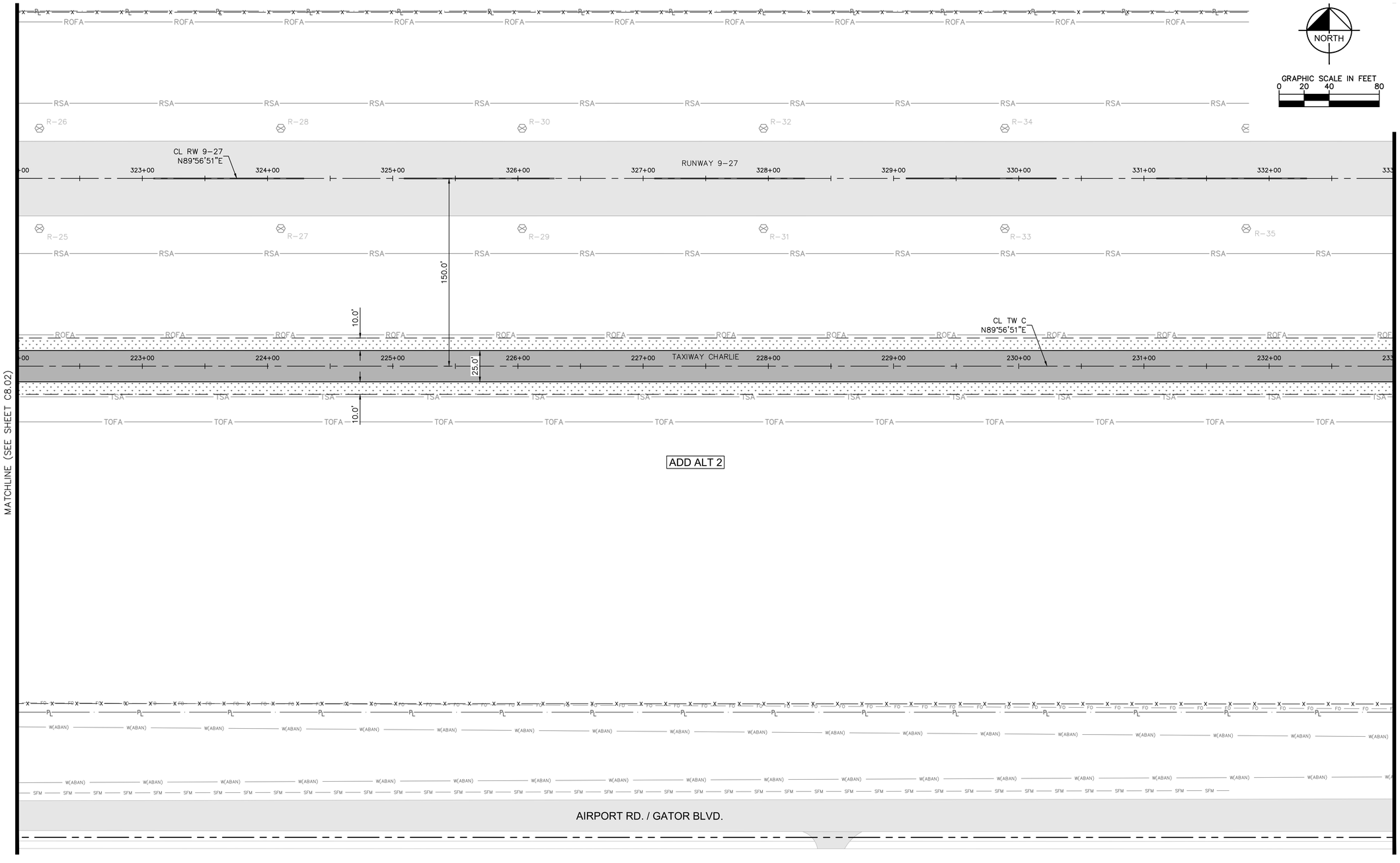

NOTES:

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C1.02. ALL UTILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAME TO EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.

LEGEND:

- EXISTING PAVEMENT
- CONSTRUCT NEW PAVEMENT SECTION TO GRADE SEE TYPICAL SECTION OF NEW TAXIWAY ON SHEET C7.01.
- PROFILE MILL AND OVERLAY TO GRADE SEE TYPICAL SECTION ON SHEET C7.01.
- BUTT JOINT OVERLAY TRANSITION TO EXISTING SEE DETAIL ON SHEET C7.02.
- CONSTRUCT SUBASE (P-154) ON SHOULDER. SOD 10' ADJACENT TO TO PAVEMENT EDGE. SEE TYPICAL SECTION ON SHEET C7.01.

LEGEND:

- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/ FIBER OPTIC

LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
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FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PAVEMENT GEOMETRY PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C8.03

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C8.03 GEOMETRY PLAN April 06, 2021 01:51:33pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GEOMETRY PLANS.dwg
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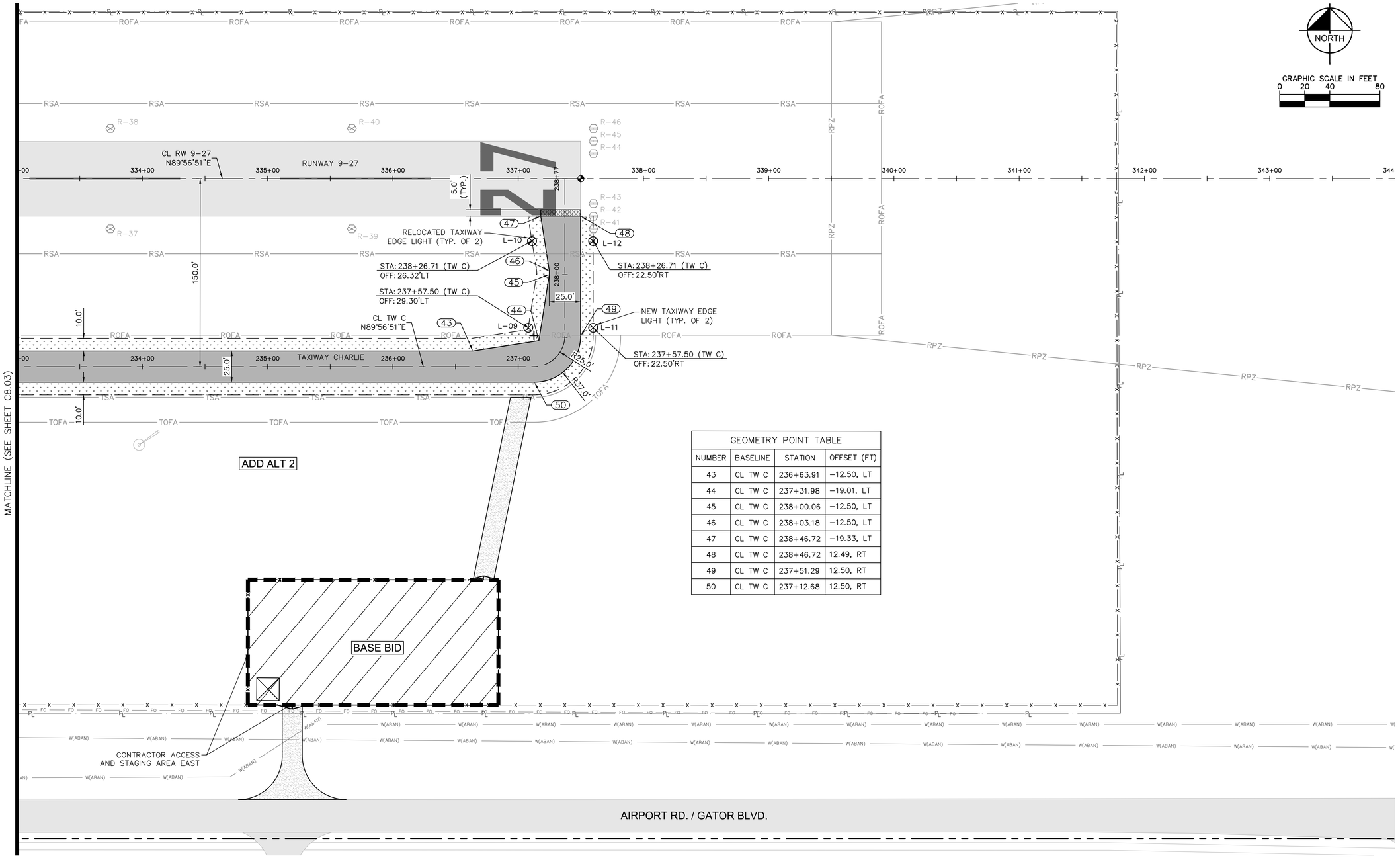

GEOMETRY POINT TABLE			
NUMBER	BASELINE	STATION	OFFSET (FT)
43	CL TW C	236+63.91	-12.50, LT
44	CL TW C	237+31.98	-19.01, LT
45	CL TW C	238+00.06	-12.50, LT
46	CL TW C	238+03.18	-12.50, LT
47	CL TW C	238+46.72	-19.33, LT
48	CL TW C	238+46.72	12.49, RT
49	CL TW C	237+51.29	12.50, RT
50	CL TW C	237+12.68	12.50, RT

NOTES:

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C1.02. ALL UTILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAME TO EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.

LEGEND:

- EXISTING PAVEMENT
- CONSTRUCT NEW PAVEMENT SECTION TO GRADE SEE TYPICAL SECTION OF NEW TAXIWAY ON SHEET C7.01.
- PROFILE MILL AND OVERLAY TO GRADE SEE TYPICAL SECTION ON SHEET C7.01.
- BUTT JOINT OVERLAY TRANSITION TO EXISTING SEE DETAIL ON SHEET C7.02.
- CONSTRUCT SUBASE (P-154) ON SHOULDER. SOD 10' ADJACENT TO TO PAVEMENT EDGE. SEE TYPICAL SECTION ON SHEET C7.01.

LEGEND:

- AIRPORT PROPERTY LINE
- EXISTING FENCE
- EXISTING WATER
- EXISTING WATER (ABANDONED)
- EXISTING SANITARY FORCEMAIN
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING BURIED TELEPHONE/ FIBER OPTIC

LEGEND:

- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
- WHITE SOLAR RUNWAY EDGE LIGHT
- BLUE SOLAR TAXIWAY EDGE LIGHT

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
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TAXIWAY CHARLIE
PREPARED FOR
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BELLE GLADE FLORIDA

SHEET NUMBER
C8.04

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C8.04 GEOMETRY PLAN April 06, 2021 01:51:36pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GEOMETRY PLANS.dwg
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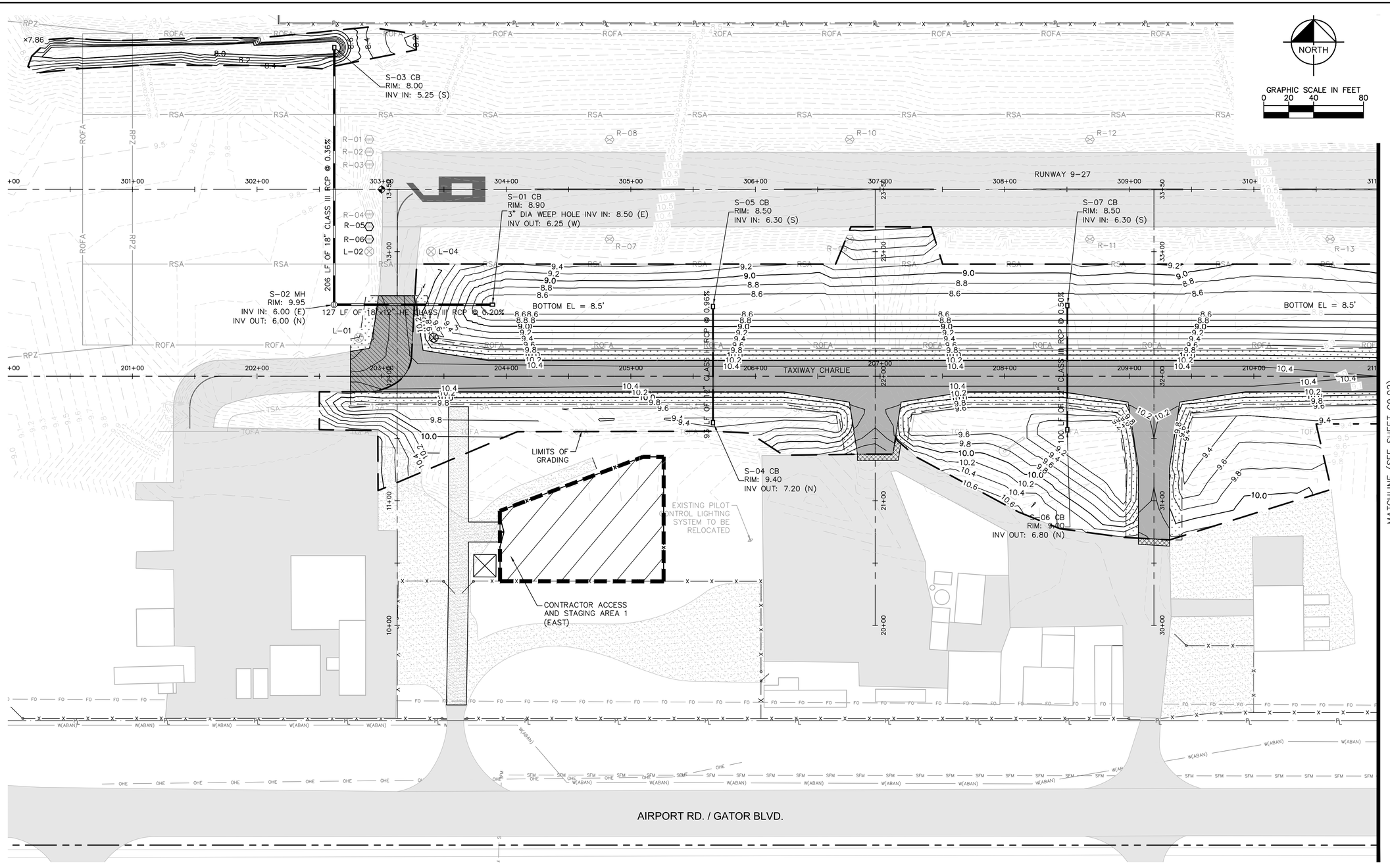

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LEGEND:

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- CONSTRUCT NEW PAVEMENT SECTION TO GRADE SEE TYPICAL SECTION OF NEW TAXIWAY ON SHEET C7.01.
- PROFILE MILL AND OVERLAY TO GRADE SEE TYPICAL SECTION ON SHEET C7.01.
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LEGEND:

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LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIMITS OF GRADING
- GREEN/RED OR RED/GREEN SOLAR RUNWAY END LIGHT
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KHA PROJECT	144086021
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DRAWN BY	ALB
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GRADING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C9.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C9.01 GRADING PLAN April 06, 2021 01:51:55pm K:\tw_aviation\144086021 - belle glade x10 tw charlie design\CAD\planSheets\C-MULTI-GRADING PLANS.dwg
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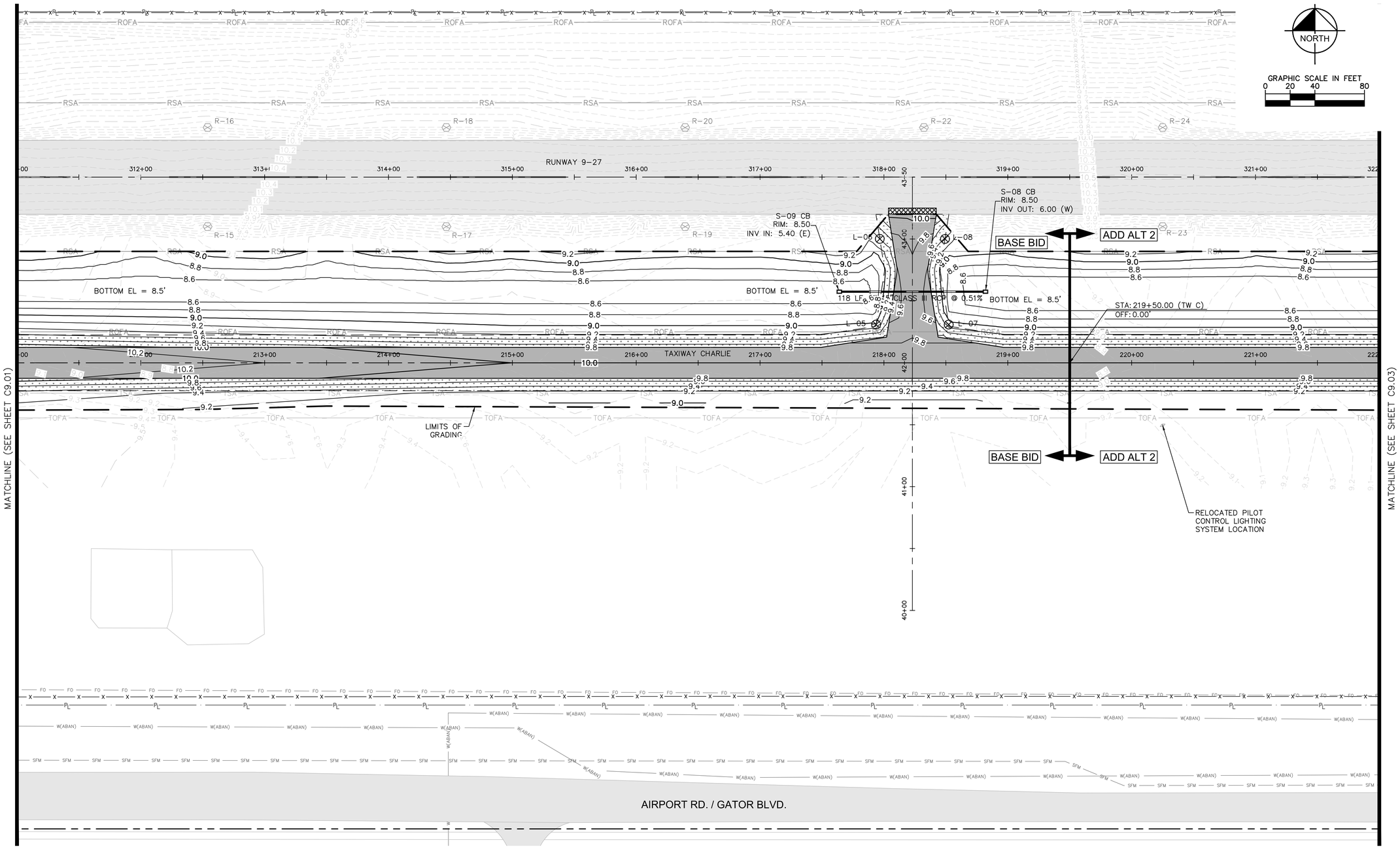

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GRADING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C9.02

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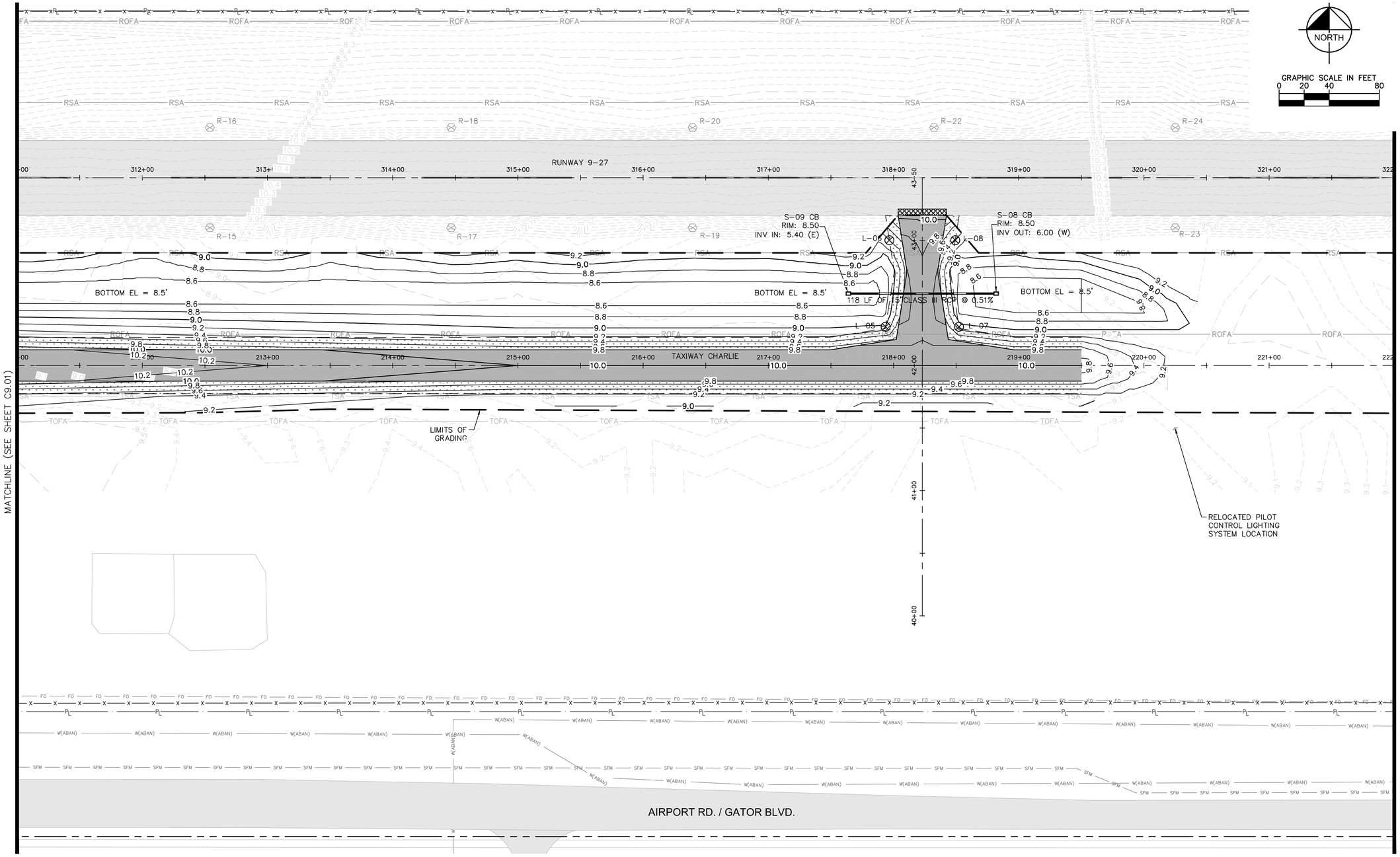

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DATE: ____

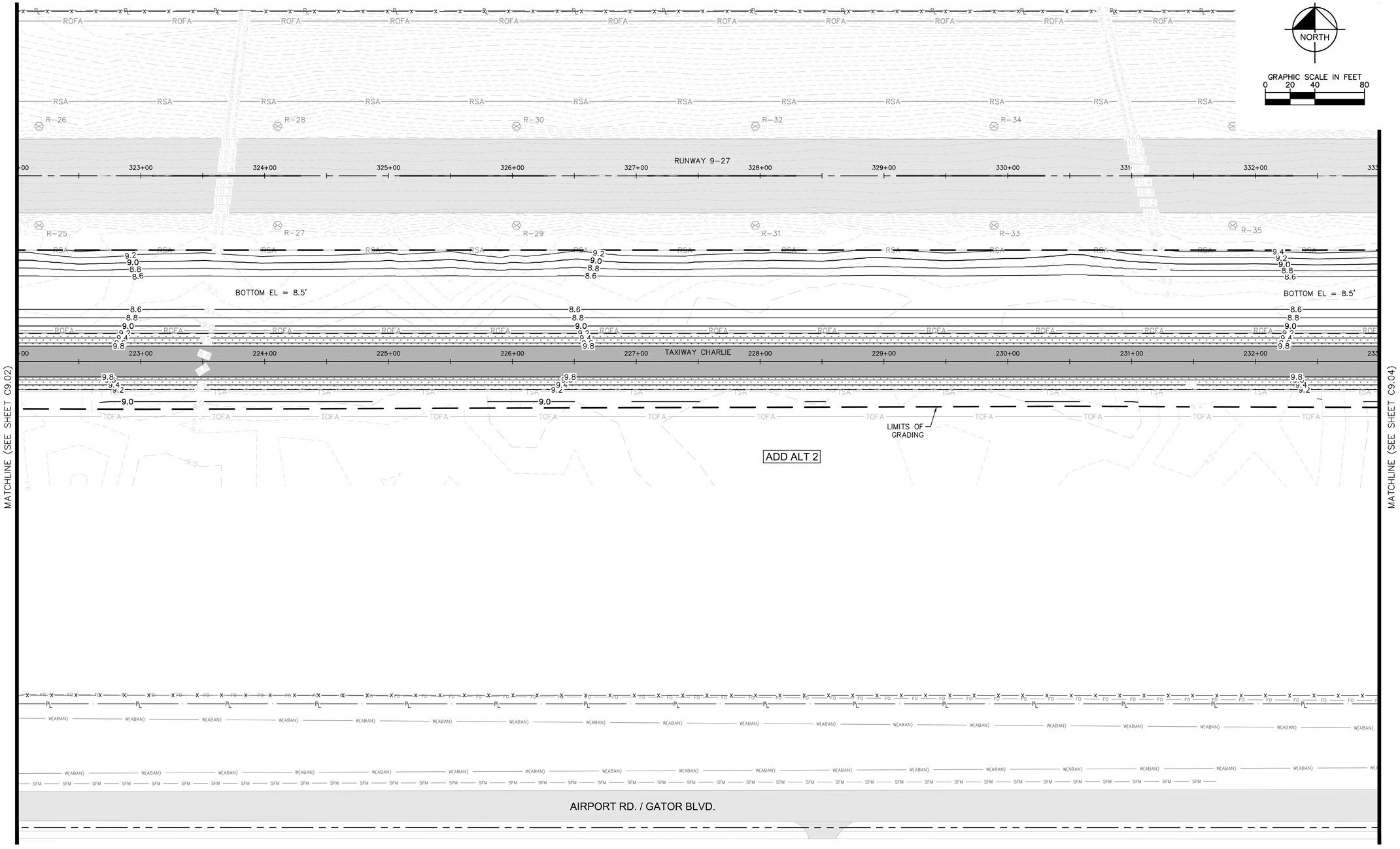
KHA PROJECT 144086021			
DATE APRIL 2021	SCALE	AS SHOWN	
	DESIGNED BY	MEM	
	DRAWN BY	ALB	
	CHECKED BY	TFO	

GRADING PLAN - ADD ALT 3

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C9.02A



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GRADING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C9.03

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C9.03 GRADING PLAN April 06, 2021 01:52:37pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GRADING PLANS.dwg
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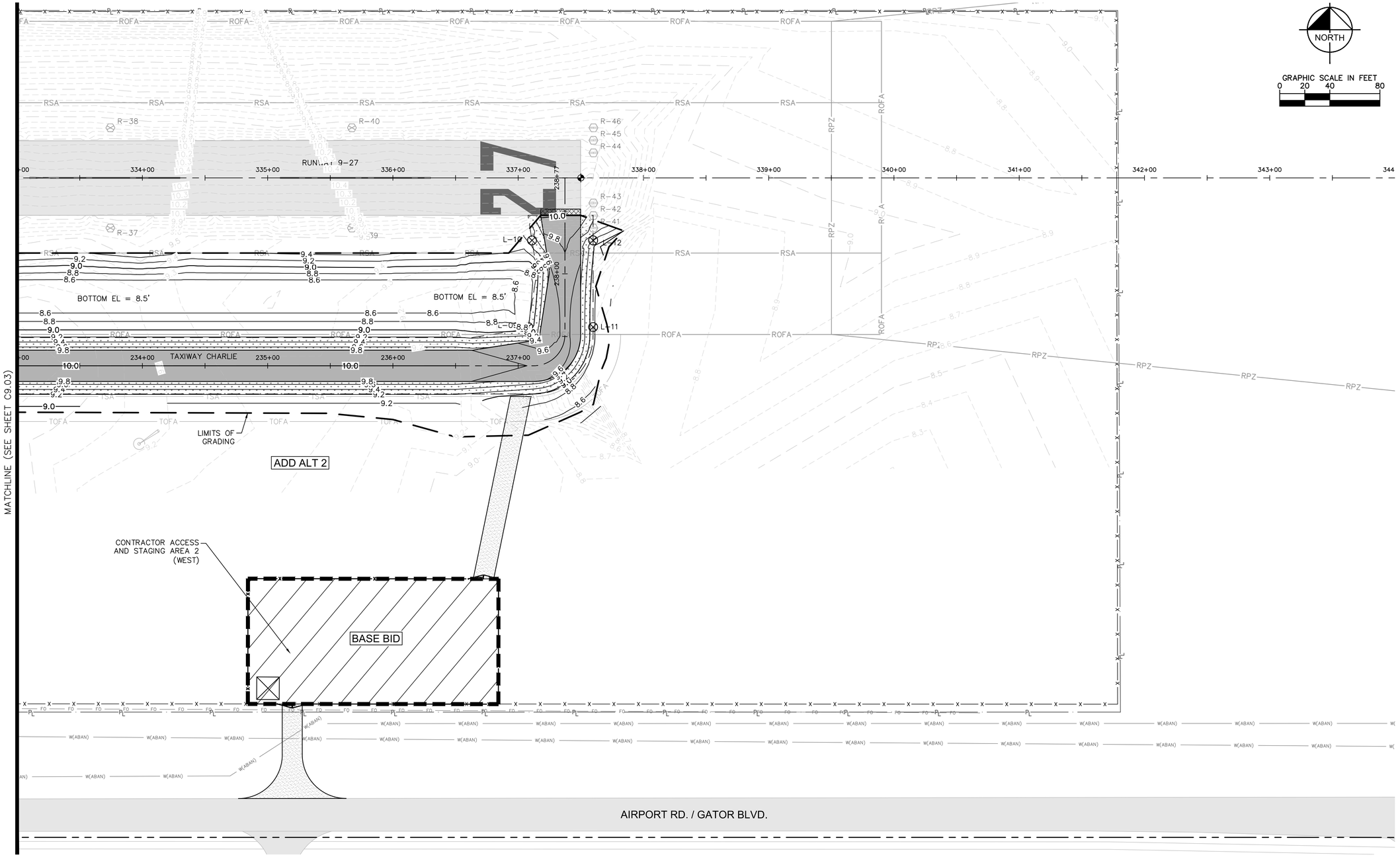

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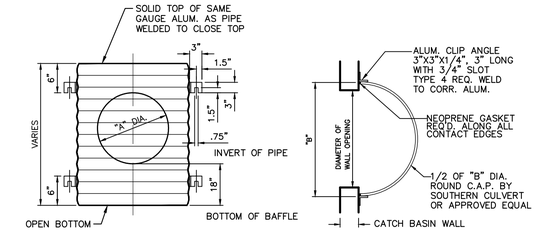
STRUCTURE TABLE						
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT	ALIGNMENT	STATION	OFFSET
S-01 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.90 – 3" DIA WEEP HOLE INV IN: 8.50 (E) INV OUT: 6.25 (W)		TO S-02 MH, 18"x12" HE CLASS III RCP, INV OUT: 6.25 @ 0.20%	CL TW C	203+88.93	-57.5 LT
S-02 MH	CONST. FDOT MAN HOLE TYPE P-7 RIM: 9.95 INV IN: 6.00 (E) INV OUT: 6.00 (N)	FROM S-01 CB, 18"x12" HE CLASS III RCP, INV IN: 6.00 @ 0.20%	TO S-03 CB, 18" CLASS III RCP, INV OUT: 6.00 @ 0.36%	CL TW C	202+61.93	-57.5 LT
S-03 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.00 INV IN: 5.25 (S)	FROM S-02 MH, 18" CLASS III RCP, INV IN: 5.25 @ 0.36%		CL TW C	202+62.05	-263.8 LT
S-04 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 9.40 INV OUT: 7.20 (N)		TO S-05 CB, 12" CLASS III RCP, INV OUT: 7.20 @ 0.96%	CL TW C	205+65.95	37.3 RT
S-05 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.50 INV IN: 6.30 (S)	FROM S-04 CB, 12" CLASS III RCP, INV IN: 6.30 @ 0.96%		CL TW C	205+65.95	-56.0 LT
S-06 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 9.00 INV OUT: 6.80 (N)		TO S-07 CB, 12" CLASS III RCP, INV OUT: 6.80 @ 0.50%	CL TW C	208+50.34	43.0 RT
S-07 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.50 INV IN: 6.30 (S)	FROM S-06 CB, 12" CLASS III RCP, INV IN: 6.30 @ 0.50%		CL TW C	208+50.34	-56.7 LT
S-08 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.50 INV OUT: 6.00 (W)		TO S-09 CB, 15"CLASS III RCP, INV OUT: 6.00 @ 0.51%	CL TW C	218+82.00	-57.5 LT
S-09 CB	CONST. FDOT TYPE C, CAST IRON GRATE, DITCH BOTTOM INLET RIM: 8.50 INV IN: 5.40 (E)	FROM S-08 CB, 15"CLASS III RCP, INV IN: 5.40 @ 0.51%		CL TW C	217+64.00	-57.5 LT

NOTES:

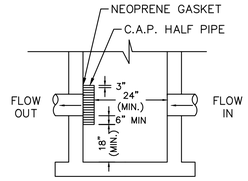
1. REFERENCE FDOT FY 2021-22 INDEXS 425-001, 425-010 & 425-052
2. CONTRACTOR TO PROVIDE CHAINS AND EYEBOLTS PER FDOT STANDARDS.
3. ALL LIDS AND GRATES TO BE SECURED WITH BOLTS.
4. PROVIDE 12" WEEP HOLE ON ALL STRUCTURES PER FDOT FISCAL YEAR 2020-2021 STANDARD PLANS, INDEX 425-001, PAGE 4.
5. DRAINAGE PIPE AND STRUCTURE INSTALLATION WILL REQUIRE EXCAVATION THROUGH EXISTING LIME ROCK CAP ROCK. THIS ACTIVITY IS INCIDENTAL TO THE ITEM BEING INSTALLED.

STRUCTURE TABLE



FRONT VIEW

TOP VIEW



SIDE VIEW

3/4" ALUMINUM WEIR PLATE TO BE BOLTED IN PLACE WITH STAINLESS STEEL HARDWARE

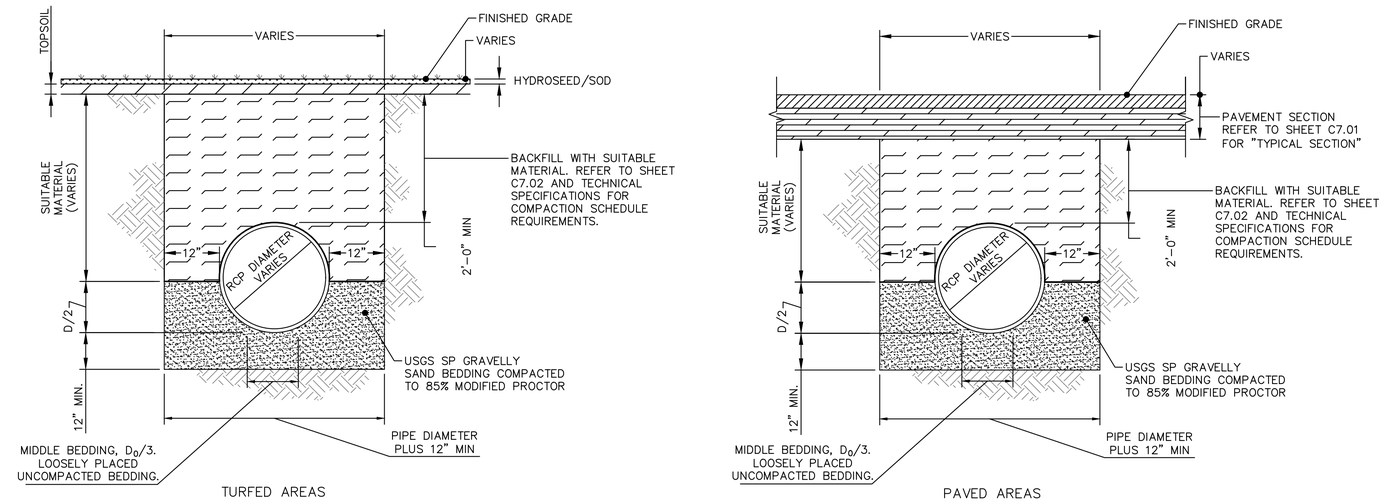
A	B
12"	19"
15"	21"
18"	24"
24"	30"
30"	36"

NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. THE BOTTOM ELEVATION OF THE POLLUTION RETARDANT BAFFLE MUST BE AT LEAST 2' BELOW CONTROL ELEVATION
3. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1"x2") SHALL BE INSTALLED ON THE SIDES ANS TOP OF ALL BAFFLES.
4. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"X4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
5.
6. ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE.
7. FIBERGLASS BAFFLES ARE NOT PERMITTED
8. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

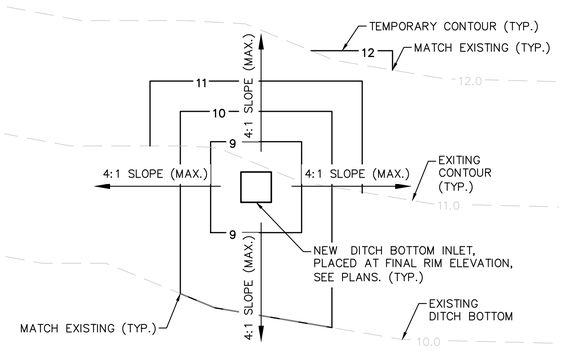
POLUTION RETARDANT BAFFLE DETAIL

N.T.S.



DETAILS - TYPICAL RCP PIPE TRENCH

N.T.S.



DETAIL - TYPICAL INTERIM INLET GRADING BETWEEN ADD ALT PHASE AND FINAL GRADING

N.T.S.

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ———

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

GRADING AND DRAINAGE DETAILS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C9.05

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C9.05 GRADING DETAILS April 06, 2021 01:52:42pm K:\tl_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-GRADING PLANS.dwg
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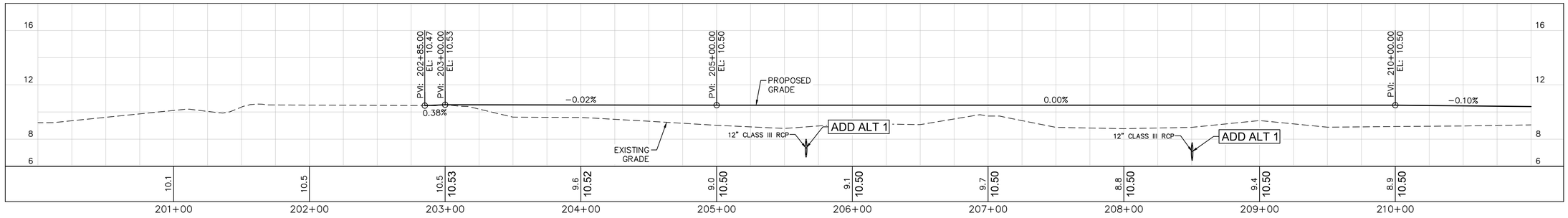
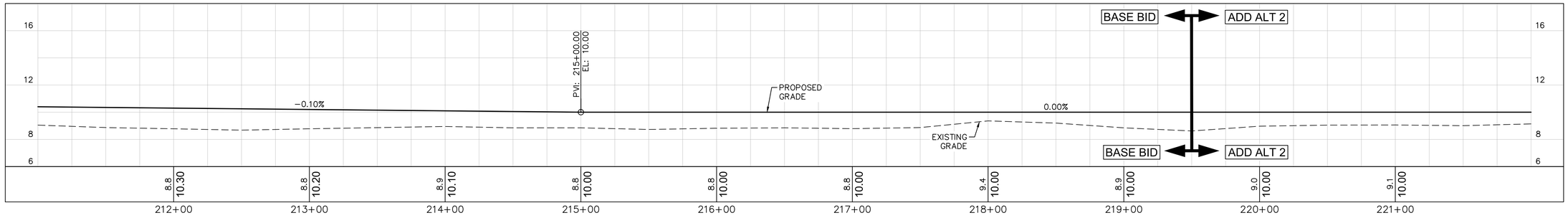


TAXIWAY CHARLIE CENTERLINE PROFILE STA. 200+00 TO STA. 211+00



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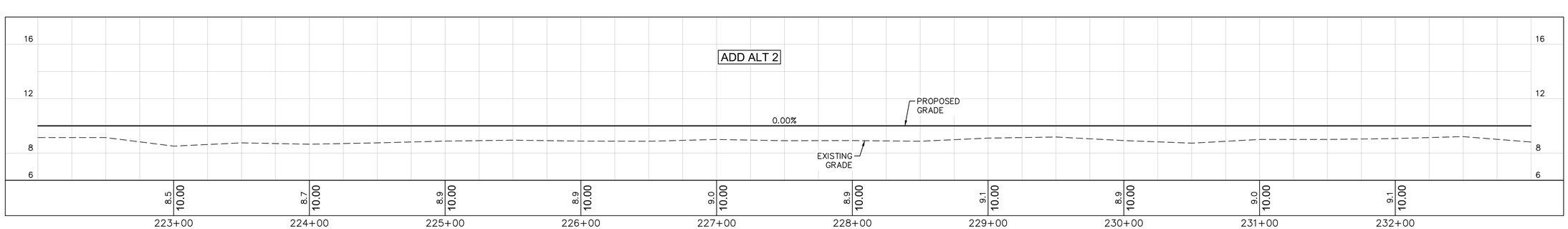

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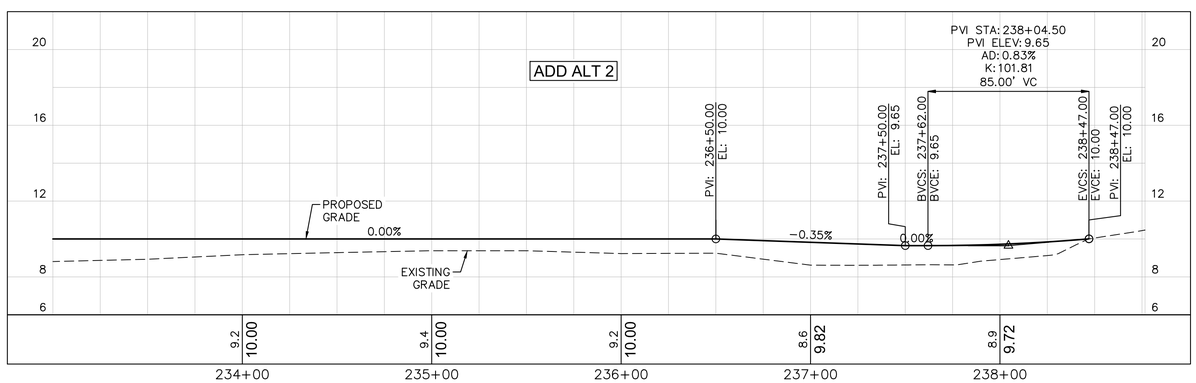

TAXIWAY CHARLIE CENTERLINE PROFILE STA. 233+00 TO STA. 238+76

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL
0 2 4 8
VERTICAL

LEGEND:

X.X EXISTING GRADE ELEVATION
X.XX PROPOSED GRADE ELEVATION

NOTES:

1. REFERENCE SHEETS C8.01 – C8.04 FOR GEOMETRY LAYOUT
2. VERTICAL CONTROL – N.A.V.D. 1988
3. HORIZONTAL CONTROL – FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE), NORTH AMERICAN DATUM 1983/1998 ADJUSTED (N.A.D. 83/98)

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

TAXIWAY CHARLIE PROFILES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C10.1

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C10.1 TAXIWAY CHARLIE PROFILES April 06, 2021 01:52:59pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-PROFILE PLANS.dwg
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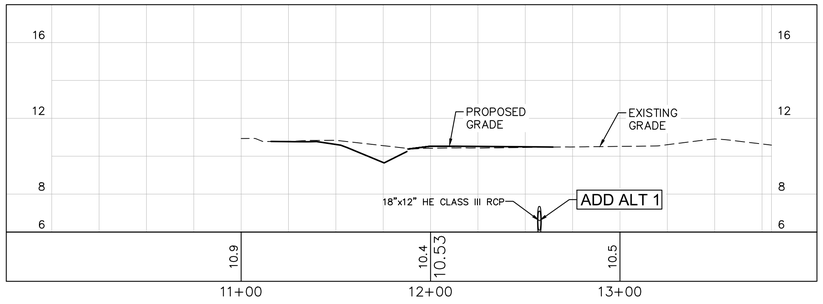
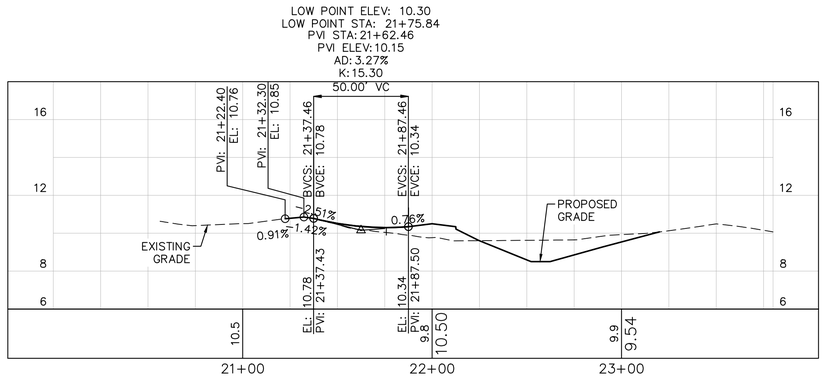
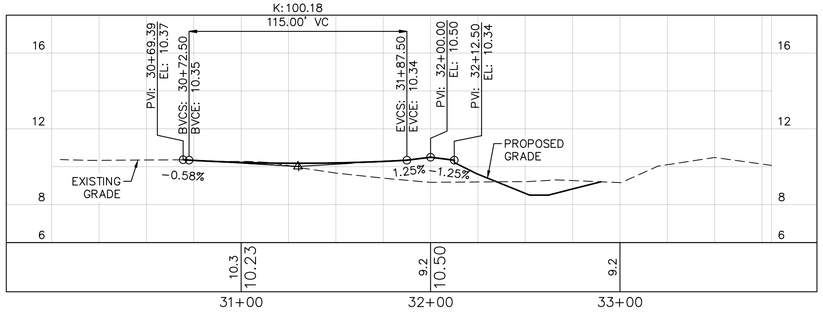


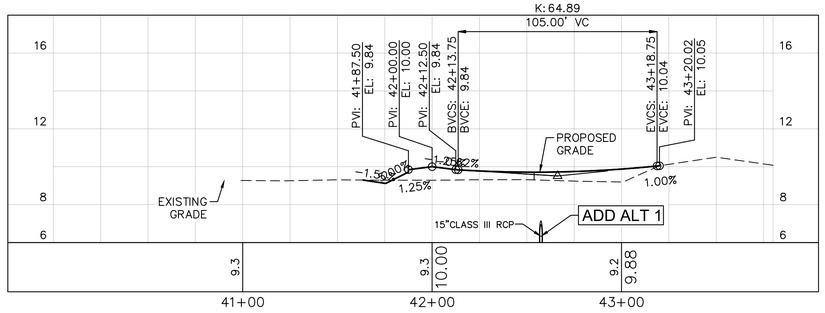
TAXIWAY/RUNWAY CONNECTOR C1 CENTERLINE PROFILE
STA. 10+00 TO STA. 13+80



TAXIWAY/APRON CONNECTOR C2 CENTERLINE PROFILE
STA. 20+00 TO STA. 23+80



TAXIWAY/APRON CONNECTOR C3 CENTERLINE PROFILE
STA. 30+00 TO STA. 33+80



TAXIWAY/RUNWAY CONNECTOR C4 CENTERLINE PROFILE
STA. 40+00 TO STA. 43+80

LEGEND:

X.X EXISTING GRADE ELEVATION
X.XX PROPOSED GRADE ELEVATION

NOTES:

1. REFERENCE SHEETS C8.01 – C8.04 FOR GEOMETRY LAYOUT
2. VERTICAL CONTROL – N.A.V.D. 1988
3. HORIZONTAL CONTROL – FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE), NORTH AMERICAN DATUM 1983/1998 ADJUSTED (N.A.D. 83/98)

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL
0 2 4 8
VERTICAL

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ———

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

TAXIWAY CONNECTOR PROFILES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C10.2

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C10.2 TAXIWAY CONNECTOR PROFILES April 06, 2021 01:53:01pm K:\TLL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-PROFILE PLANS.dwg
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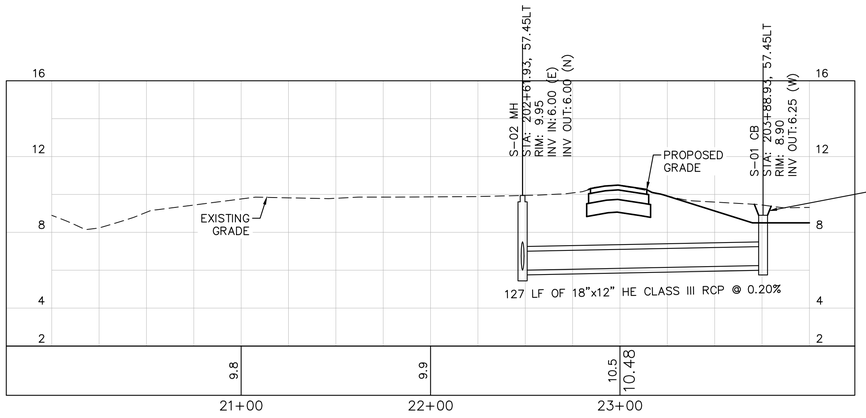
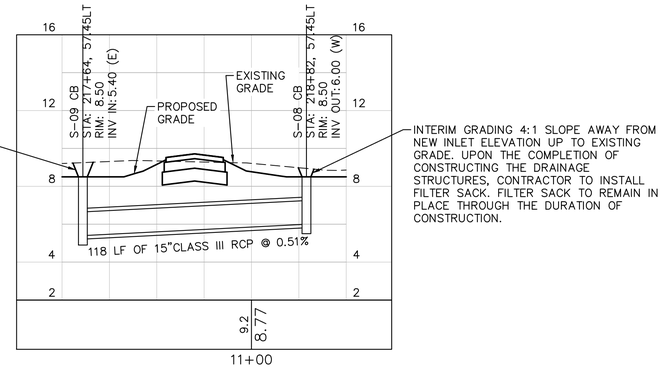


PIPE PROFILE C1

ADD ALT 1

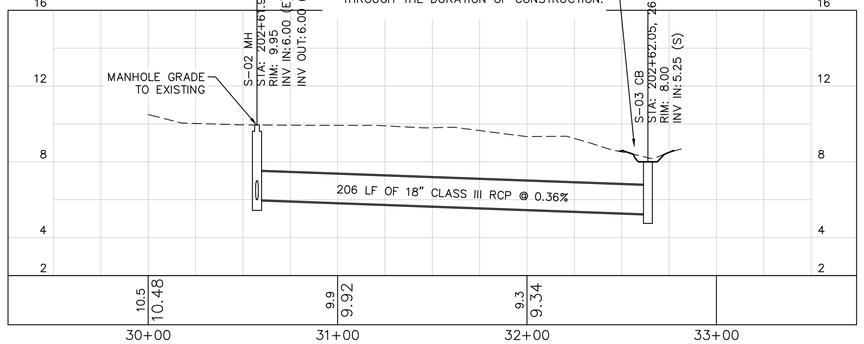
INTERIM GRADING 4:1 SLOPE AWAY FROM NEW INLET ELEVATION UP TO EXISTING GRADE. UPON THE COMPLETION OF CONSTRUCTING THE DRAINAGE STRUCTURES, CONTRACTOR TO INSTALL FILTER SACK. FILTER SACK TO REMAIN IN PLACE THROUGH THE DURATION OF CONSTRUCTION.



PIPE PROFILE C4

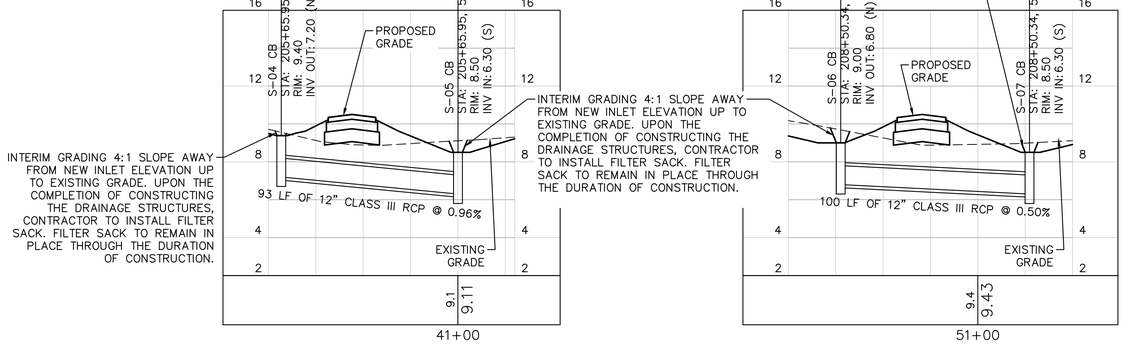
ADD ALT 1

INTERIM GRADING 4:1 SLOPE AWAY FROM NEW INLET ELEVATION UP TO EXISTING GRADE. UPON THE COMPLETION OF CONSTRUCTING THE DRAINAGE STRUCTURES, CONTRACTOR TO INSTALL FILTER SACK. FILTER SACK TO REMAIN IN PLACE THROUGH THE DURATION OF CONSTRUCTION.



PIPE PROFILE TO SWALE

ADD ALT 1



PIPE PROFILE APRON TO SWALE

ADD ALT 1

LEGEND:

X.X	EXISTING GRADE ELEVATION
X.XX	PROPOSED GRADE ELEVATION

NOTES:

1. REFERENCE SHEETS C8.01 – C8.04 FOR GEOMETRY LAYOUT
2. VERTICAL CONTROL – N.A.V.D. 1988
3. HORIZONTAL CONTROL – FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE), NORTH AMERICAN DATUM 1983/1998 ADJUSTED (N.A.D. 83/98)

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 2.5 5 10
VERTICAL

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WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PIPE PROFILES

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C10.3

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C10.3 PIPE PROFILES April 06, 2021 01:53:04pm K:\TLL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-PROFILE PLANS.dwg
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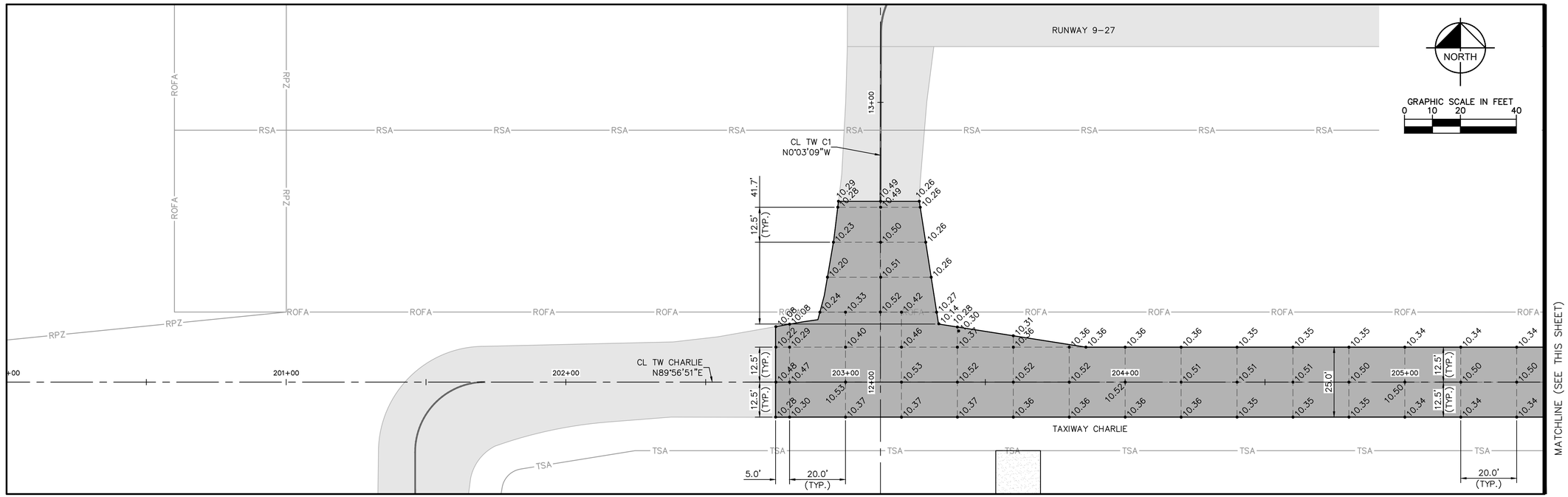

NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.
3. REFER TO GEOMETRY PLANS SHEETS C8.01 THRU C8.04.
4. REFER TO GRADING PLANS SHEETS C9.01 THRU C9.04.

LEGEND:

EXISTING PAVEMENT

CONSTRUCT NEW PAVEMENT SECTION TO GRADE.

•X.XX SPOT ELEVATION.

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FLORIDA LICENSE NUMBER 62478

DATE: ____

KHA PROJECT 144086021

DATE APRIL 2021

SCALE AS SHOWN

DESIGNED BY MEM

DRAWN BY ALB

CHECKED BY TFO

TAXIWAY PAVEMENT SPOT ELEVATION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C11.01

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C11.01 TAXIWAY PAVEMENT SPOT ELEVATION PLAN April 06, 2021 01:53:20pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI- SPOT ELEV.dwg
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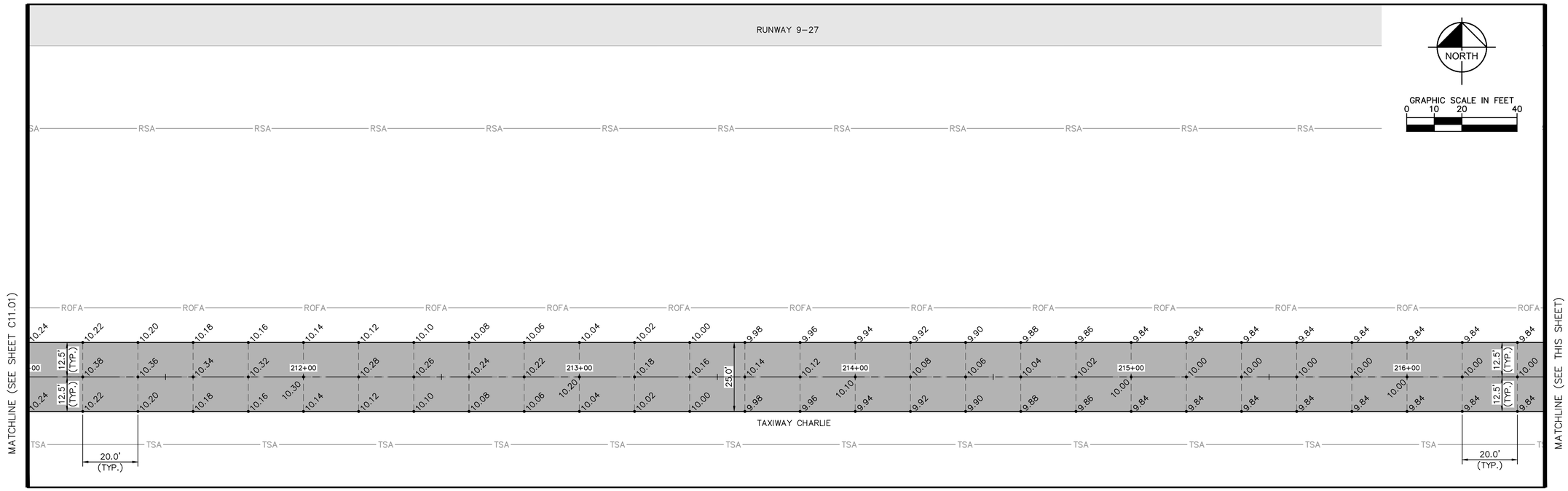

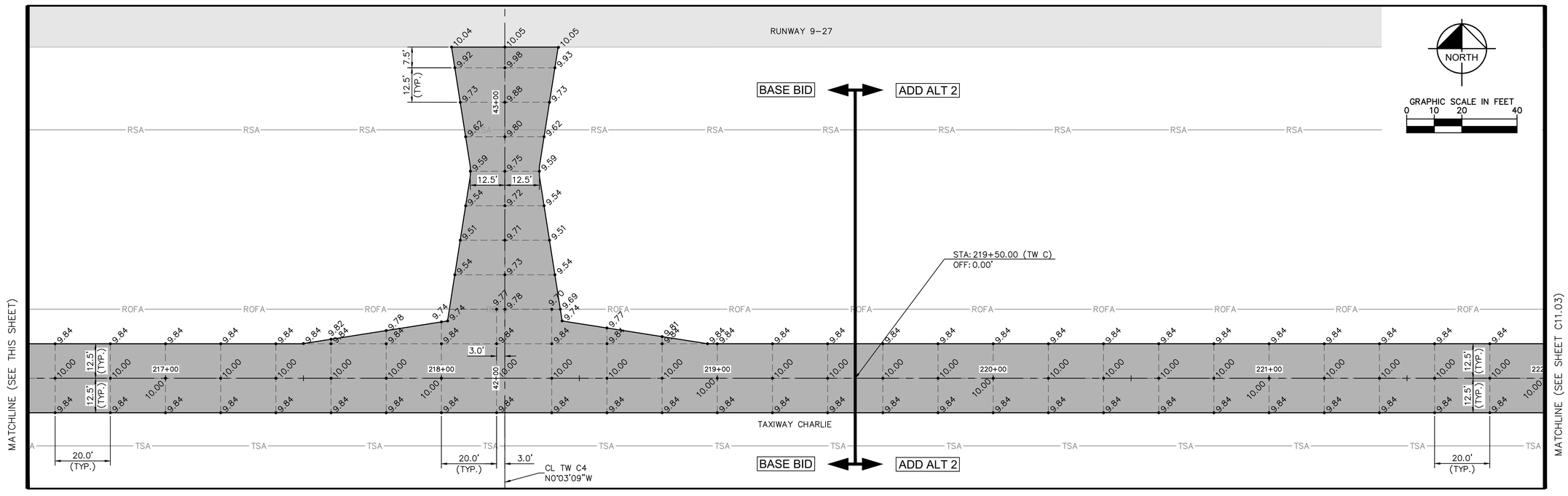

NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.
3. REFER TO GEOMETRY PLANS SHEETS C8.01 THRU C8.04.
4. REFER TO GRADING PLANS SHEETS C9.01 THRU C9.04.

LEGEND:

EXISTING PAVEMENT

CONSTRUCT NEW PAVEMENT SECTION TO GRADE.

•X.XX SPOT ELEVATION.

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LICENSED PROFESSIONAL

THOMAS F. O'DONNELL

FLORIDA LICENSE NUMBER 62478

DATE: ____

KHA PROJECT 144086021

DATE APRIL 2021

SCALE AS SHOWN

DESIGNED BY MEM

DRAWN BY ALB

CHECKED BY TFO

TAXIWAY PAVEMENT SPOT ELEVATION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C11.02

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C11.02 TAXIWAY PAVEMENT SPOT ELEVATION PLAN April 06, 2021 01:53:23pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI- SPOT ELEV.dwg
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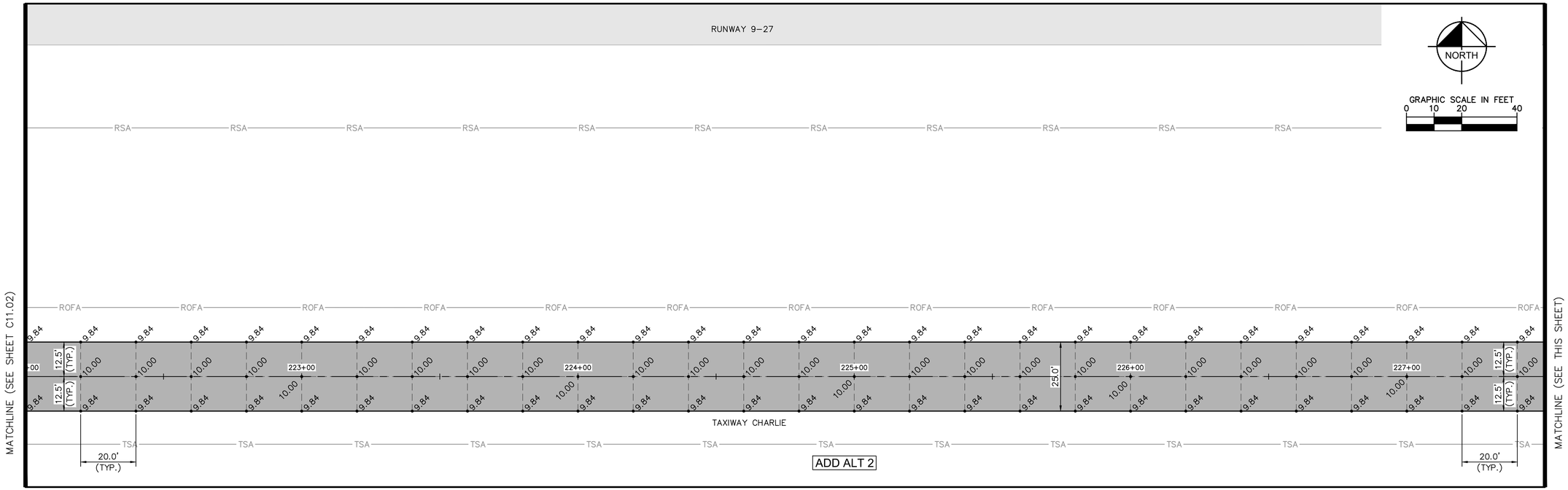

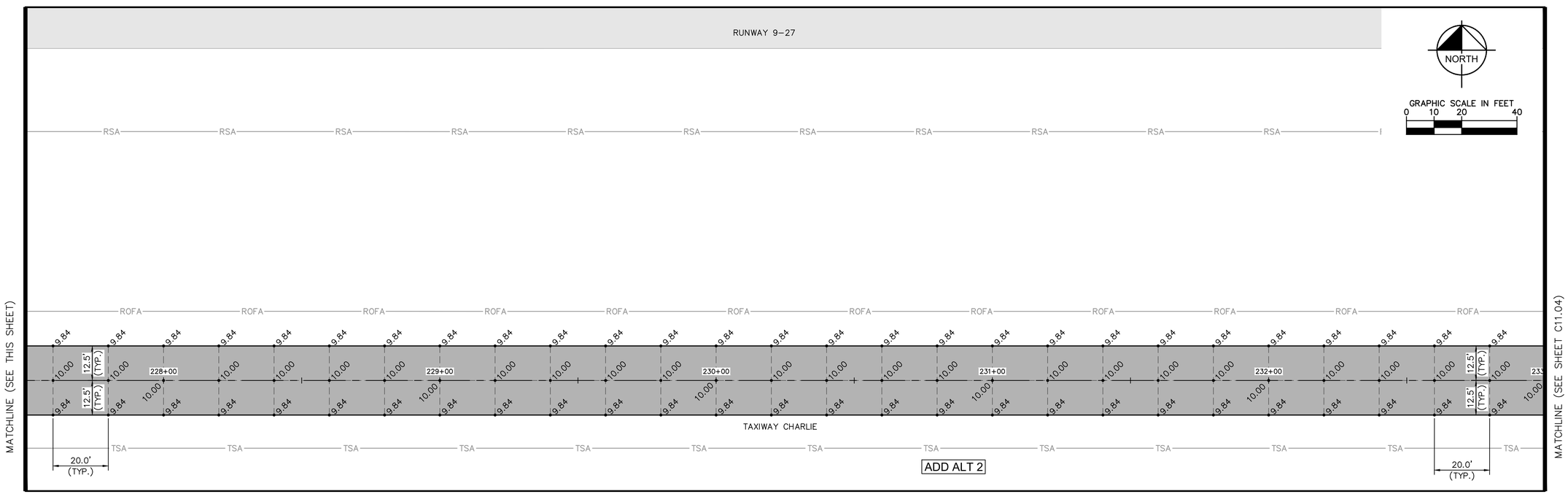

NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.
3. REFER TO GEOMETRY PLANS SHEETS C8.01 THRU C8.04.
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LEGEND:

EXISTING PAVEMENT

CONSTRUCT NEW PAVEMENT SECTION TO GRADE.

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DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

TAXIWAY PAVEMENT SPOT ELEVATION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C11.03

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C11.03 TAXIWAY PAVEMENT SPOT ELEVATION PLAN April 06, 2021 01:53:28pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI- SPOT ELEV.dwg
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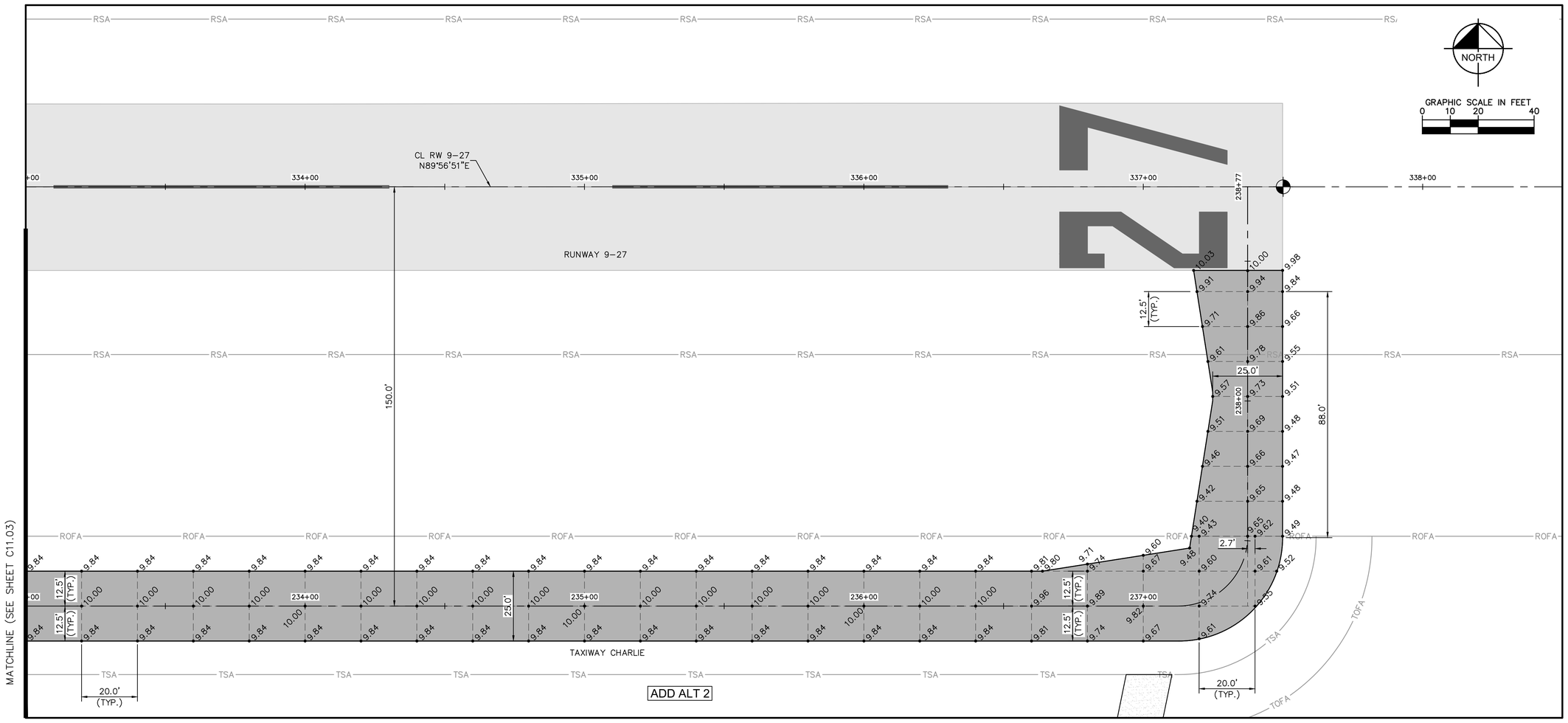

NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED TO THE 1988 NORTH AMERICAN VERTICAL DATUM.
2. REFER TO TYPICAL SECTIONS SHEETS C7.01 AND C7.02.
3. REFER TO GEOMETRY PLANS SHEETS C8.01 THRU C8.04.
4. REFER TO GRADING PLANS SHEETS C9.01 THRU C9.04.

LEGEND:

EXISTING PAVEMENT

CONSTRUCT NEW PAVEMENT SECTION TO GRADE.

•X.XX SPOT ELEVATION.

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No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

TAXIWAY PAVEMENT SPOT ELEVATION PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C11.04

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C11.04 TAXIWAY PAVEMENT SPOT ELEVATION PLAN April 06, 2021 01:53:30pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI- SPOT ELEV.dwg
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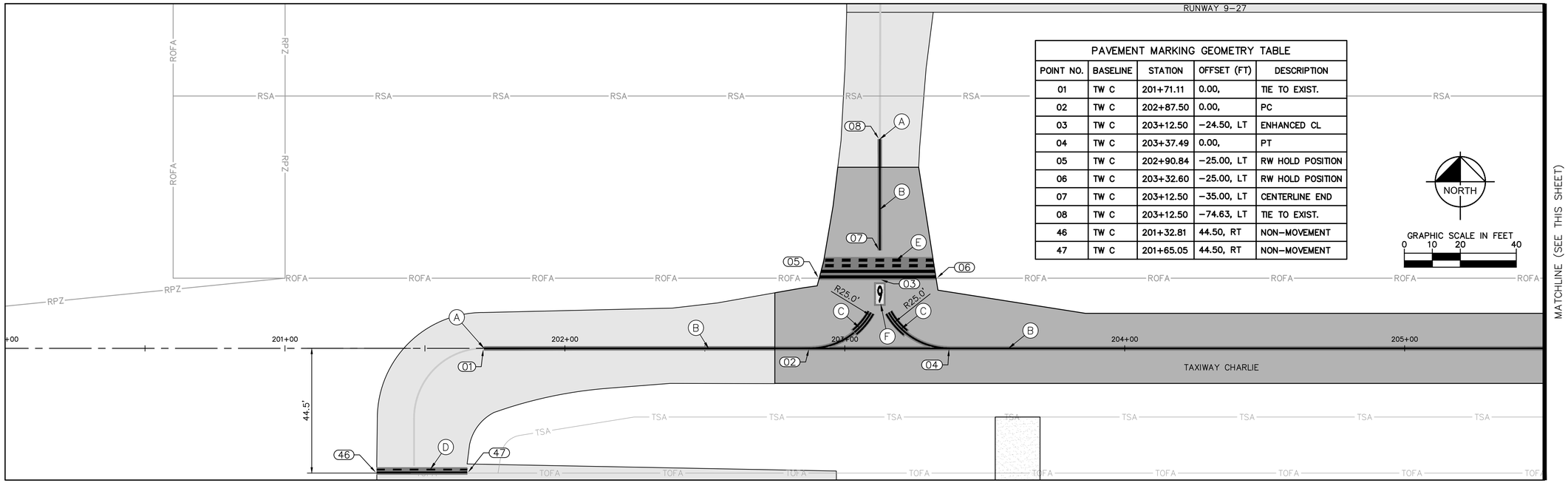
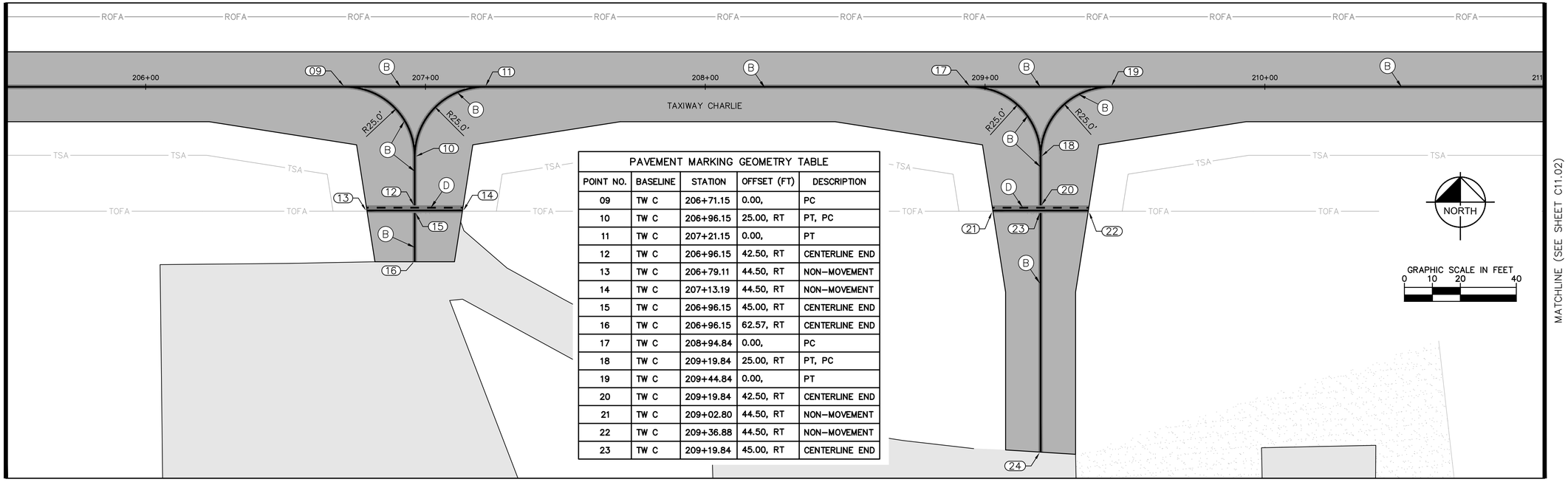


PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
01	TW C	201+71.11	0.00,	TIE TO EXIST.
02	TW C	202+87.50	0.00,	PC
03	TW C	203+12.50	−24.50, LT	ENHANCED CL
04	TW C	203+37.49	0.00,	PT
05	TW C	202+90.84	−25.00, LT	RW HOLD POSITION
06	TW C	203+32.60	−25.00, LT	RW HOLD POSITION
07	TW C	203+12.50	−35.00, LT	CENTERLINE END
08	TW C	203+12.50	−74.63, LT	TIE TO EXIST.
46	TW C	201+32.81	44.50, RT	NON−MOVEMENT
47	TW C	201+65.05	44.50, RT	NON−MOVEMENT



PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
09	TW C	206+71.15	0.00,	PC
10	TW C	206+96.15	25.00, RT	PT, PC
11	TW C	207+21.15	0.00,	PT
12	TW C	206+96.15	42.50, RT	CENTERLINE END
13	TW C	206+79.11	44.50, RT	NON−MOVEMENT
14	TW C	207+13.19	44.50, RT	NON−MOVEMENT
15	TW C	206+96.15	45.00, RT	CENTERLINE END
16	TW C	206+96.15	62.57, RT	CENTERLINE END
17	TW C	208+94.84	0.00,	PC
18	TW C	209+19.84	25.00, RT	PT, PC
19	TW C	209+44.84	0.00,	PT
20	TW C	209+19.84	42.50, RT	CENTERLINE END
21	TW C	209+02.80	44.50, RT	NON−MOVEMENT
22	TW C	209+36.88	44.50, RT	NON−MOVEMENT
23	TW C	209+19.84	45.00, RT	CENTERLINE END

NOTES:

1. ALL PAVEMENT MARKINGS ARE TO RECEIVE GLASS BEADS UNLESS SPECIFIED OTHERWISE
2. BLACK BORDERS AND BLACK BACKGROUNDS DO NOT RECEIVE GLASS BEADS.
3. SEE SHEETS C12.05 THROUGH C12.06 FOR PAVEMENT MARKING DETAILS.
4. SEE GEOMETRY AND PAVING PLANS FOR ADDITIONAL GEOMETRY INFORMATION.
5. NO GLASS BEADS ARE REQUIRED FOR TEMPORARY MARKINGS.

LEGEND:

- (A) MATCH EXISTING STRIPING.
- (B) TAXIWAY CENTERLINE MARKING.
- (C) ENHANCED TAXIWAY CENTERLINE MARKINGS.
- (D) NON−MOVEMENT AREA BOUNDARY MARKING.
- (E) RUNWAY HOLDING POSITION MARKING.
- (F) SURFACE PAINTED RUNWAY HOLD POSITION SIGN.
- (G) RUNWAY DESIGNATION NUMERALS.

LEGEND:

- EXISTING PAVEMENT
- NEW TAXIWAY PAVEMENT (FULL DEPTH/OVERLAY)
- (XX) POINT NUMBER/COORDINATE LOCATION
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- PCC POINT OF COMPOUND CURVATURE

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: _____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PAVEMENT MARKING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C12.01

Plotted By: Scott, Kevin Sheet Set: BELLE GLADE TW CHARLIE DESIGN Layout: C12.01 MARKING April 06, 2021 01:53:46pm K:\FTL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C−MULTI−MARKING PLANS.dwg
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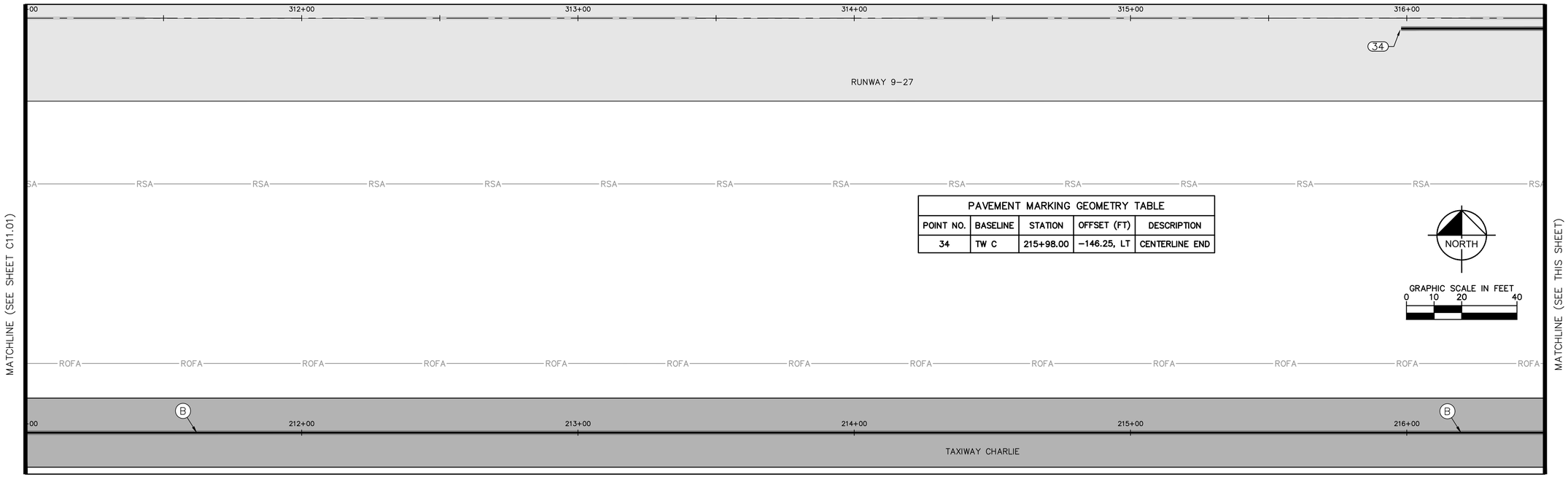
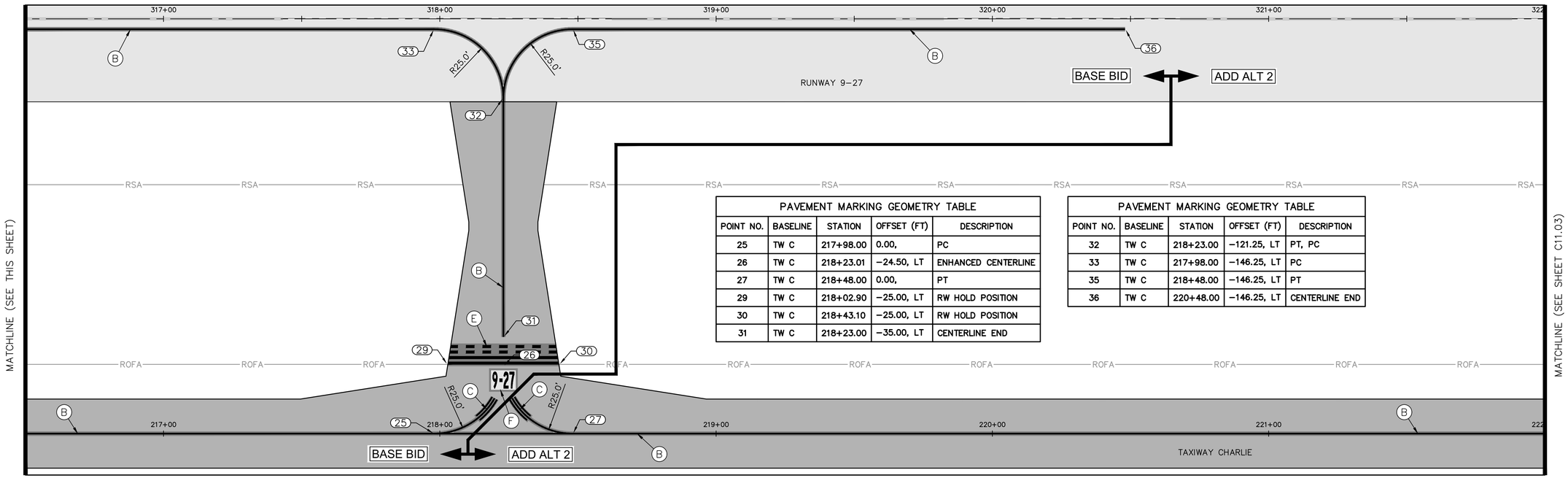


PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
34	TW C	215+98.00	−146.25, LT	CENTERLINE END



PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
25	TW C	217+98.00	0.00,	PC
26	TW C	218+23.01	−24.50, LT	ENHANCED CENTERLINE
27	TW C	218+48.00	0.00,	PT
29	TW C	218+02.90	−25.00, LT	RW HOLD POSITION
30	TW C	218+43.10	−25.00, LT	RW HOLD POSITION
31	TW C	218+23.00	−35.00, LT	CENTERLINE END

PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
32	TW C	218+23.00	−121.25, LT	PT, PC
33	TW C	217+98.00	−146.25, LT	PC
35	TW C	218+48.00	−146.25, LT	PT
36	TW C	220+48.00	−146.25, LT	CENTERLINE END

NOTES:

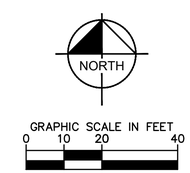
1. ALL PAVEMENT MARKINGS ARE TO RECEIVE GLASS BEADS UNLESS SPECIFIED OTHERWISE
2. BLACK BORDERS AND BLACK BACKGROUNDS DO NOT RECEIVE GLASS BEADS.
3. SEE SHEETS C12.05 THROUGH C12.06 FOR PAVEMENT MARKING DETAILS.
4. SEE GEOMETRY AND PAVING PLANS FOR ADDITIONAL GEOMETRY INFORMATION.
5. NO GLASS BEADS ARE REQUIRED FOR TEMPORARY MARKINGS.

LEGEND:

- (A) MATCH EXISTING STRIPING.
- (B) TAXIWAY CENTERLINE MARKING.
- (C) ENHANCED TAXIWAY CENTERLINE MARKINGS.
- (D) NON-MOVEMENT AREA BOUNDARY MARKING.
- (E) RUNWAY HOLDING POSITION MARKING.
- (F) SURFACE PAINTED RUNWAY HOLD POSITION SIGN.
- (G) RUNWAY DESIGNATION NUMERALS.

LEGEND:

- EXISTING PAVEMENT
- NEW TAXIWAY PAVEMENT (FULL DEPTH/OVERLAY)
- (XX) POINT NUMBER/COORDINATE LOCATION
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- PCC POINT OF COMPOUND CURVATURE



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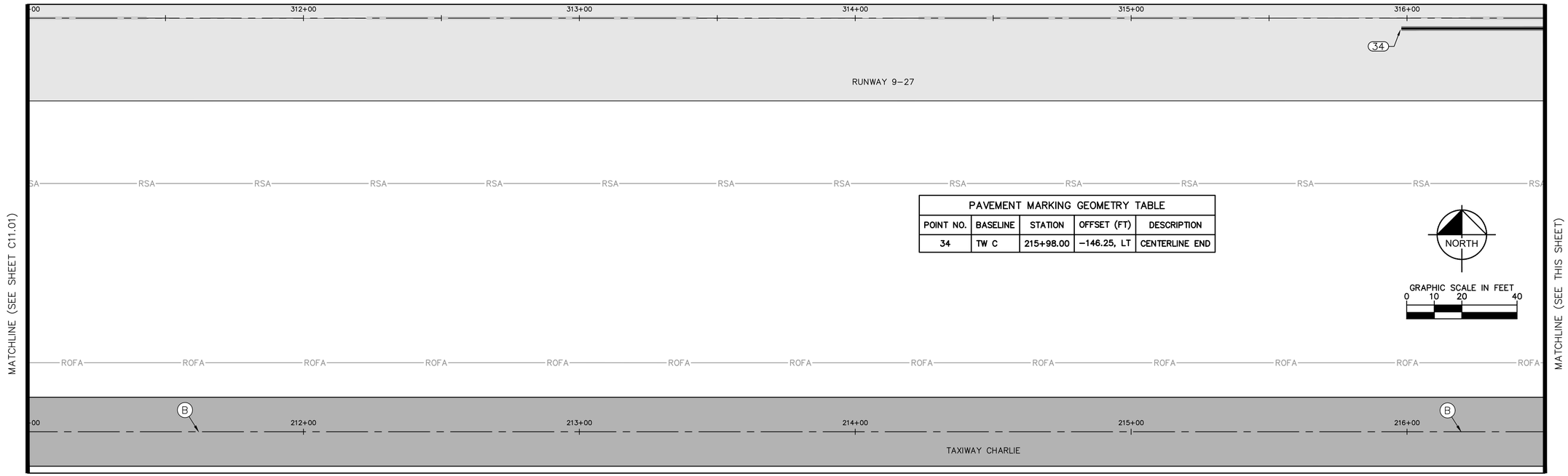
LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

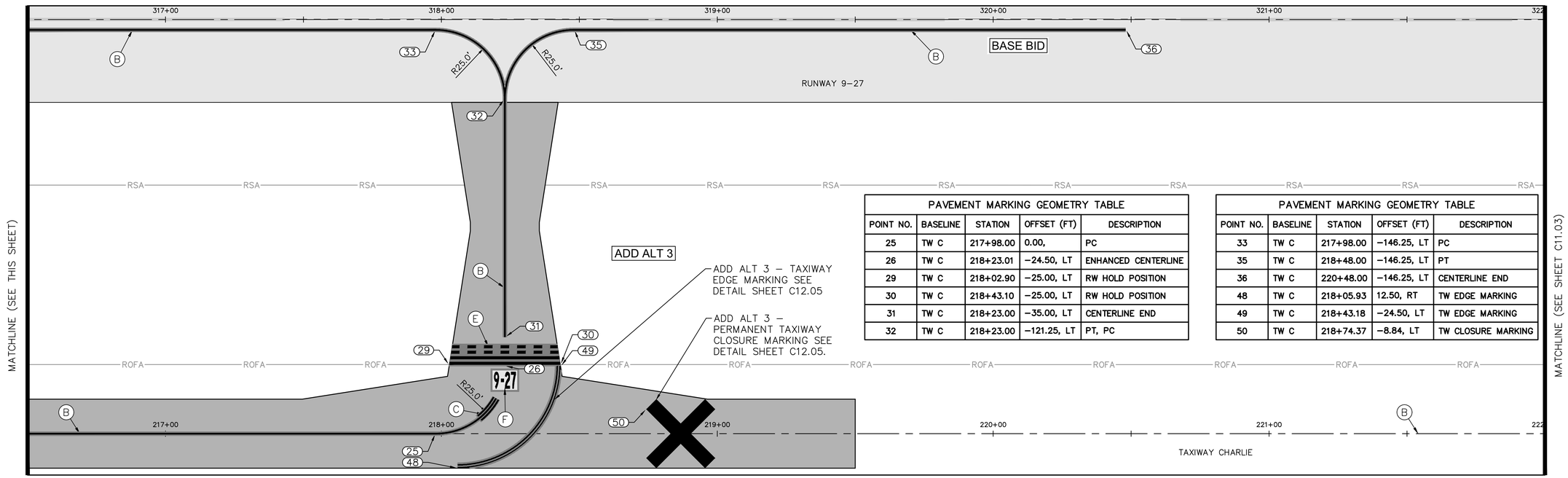
PAVEMENT MARKING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C12.02



PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
34	TW C	215+98.00	−146.25, LT	CENTERLINE END



PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
25	TW C	217+98.00	0.00,	PC
26	TW C	218+23.01	−24.50, LT	ENHANCED CENTERLINE
29	TW C	218+02.90	−25.00, LT	RW HOLD POSITION
30	TW C	218+43.10	−25.00, LT	RW HOLD POSITION
31	TW C	218+23.00	−35.00, LT	CENTERLINE END
32	TW C	218+23.00	−121.25, LT	PT, PC

PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
33	TW C	217+98.00	−146.25, LT	PC
35	TW C	218+48.00	−146.25, LT	PT
36	TW C	220+48.00	−146.25, LT	CENTERLINE END
48	TW C	218+05.93	12.50, RT	TW EDGE MARKING
49	TW C	218+43.18	−24.50, LT	TW EDGE MARKING
50	TW C	218+74.37	−8.84, LT	TW CLOSURE MARKING

NOTES:

1. ALL PAVEMENT MARKINGS ARE TO RECEIVE GLASS BEADS UNLESS SPECIFIED OTHERWISE
2. BLACK BORDERS AND BLACK BACKGROUNDS DO NOT RECEIVE GLASS BEADS.
3. SEE SHEETS C12.05 THROUGH C12.06 FOR PAVEMENT MARKING DETAILS.
4. SEE GEOMETRY AND PAVING PLANS FOR ADDITIONAL GEOMETRY INFORMATION.
5. NO GLASS BEADS ARE REQUIRED FOR TEMPORARY MARKINGS.

LEGEND:

(A)	MATCH EXISTING STRIPING.
(B)	TAXIWAY CENTERLINE MARKING.
(C)	ENHANCED TAXIWAY CENTERLINE MARKINGS.
(D)	NON–MOVEMENT AREA BOUNDARY MARKING.
(E)	RUNWAY HOLDING POSITION MARKING.
(F)	SURFACE PAINTED RUNWAY HOLD POSITION SIGN.
(G)	RUNWAY DESIGNATION NUMERALS.

LEGEND:

	EXISTING PAVEMENT
	NEW TAXIWAY PAVEMENT (FULL DEPTH/OVERLAY)
(XX)	POINT NUMBER/COORDINATE LOCATION
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVATURE

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ____

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

PAVEMENT MARKING PLAN - ADD ALT 3

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C12.02A

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C12.02A PAVEMENT MARKING PLAN – ADD ALT 3 April 06, 2021 01:54:07pm K:\TLL_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-MARKING PLANS-2.dwg
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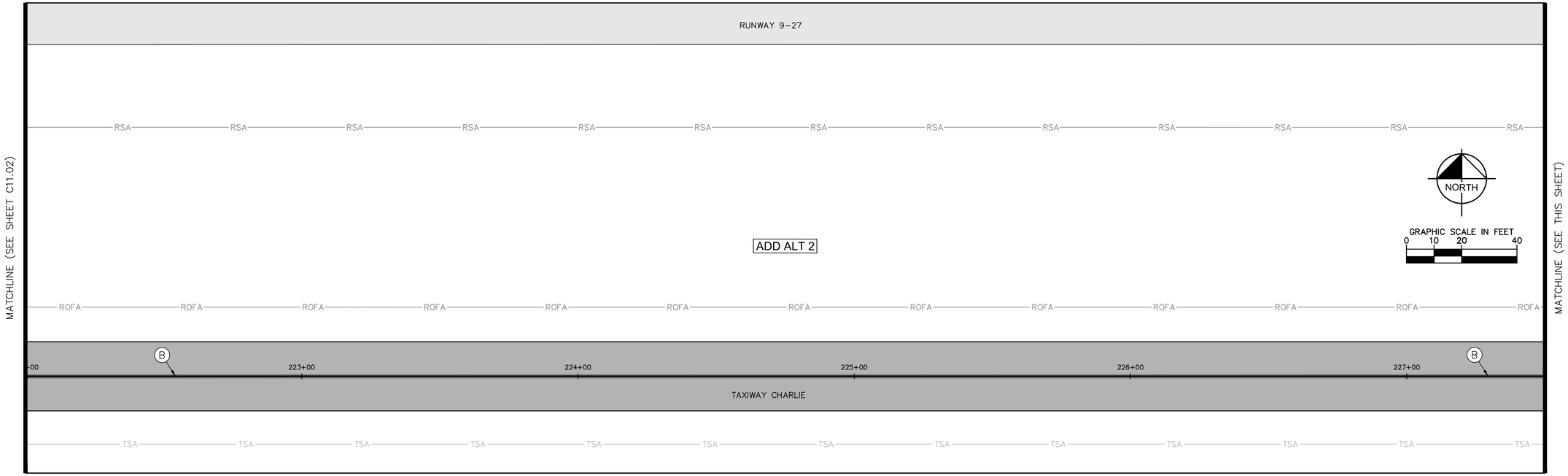

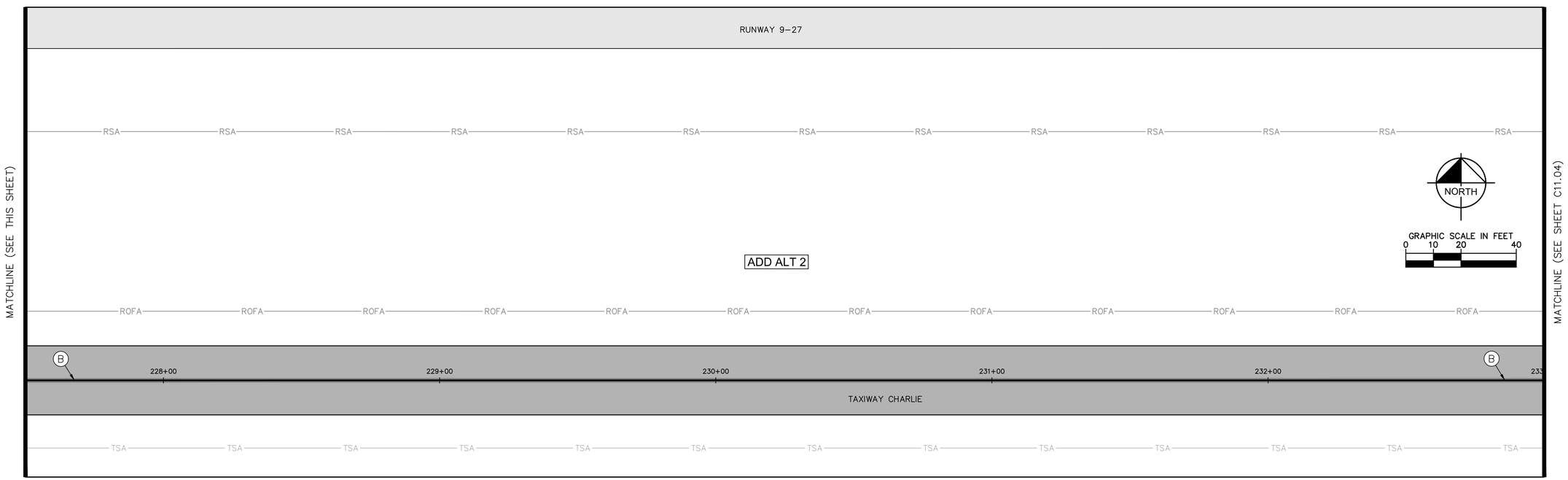

NOTES:

1. ALL PAVEMENT MARKINGS ARE TO RECEIVE GLASS BEADS UNLESS SPECIFIED OTHERWISE
2. BLACK BORDERS AND BLACK BACKGROUNDS DO NOT RECEIVE GLASS BEADS.
3. SEE SHEETS C12.05 THROUGH C12.06 FOR PAVEMENT MARKING DETAILS.
4. SEE GEOMETRY AND PAVING PLANS FOR ADDITIONAL GEOMETRY INFORMATION.
5. NO GLASS BEADS ARE REQUIRED FOR TEMPORARY MARKINGS.

LEGEND:

A	MATCH EXISTING STRIPING.
B	TAXIWAY CENTERLINE MARKING.
C	ENHANCED TAXIWAY CENTERLINE MARKINGS.
D	NON-MOVEMENT AREA BOUNDARY MARKING.
E	RUNWAY HOLDING POSITION MARKING.
F	SURFACE PAINTED RUNWAY HOLD POSITION SIGN.
G	RUNWAY DESIGNATION NUMERALS.

LEGEND:

	EXISTING PAVEMENT
	NEW TAXIWAY PAVEMENT (FULL DEPTH/OVERLAY)
XX	POINT NUMBER/COORDINATE LOCATION
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVATURE

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LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ----

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PAVEMENT MARKING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C12.03

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C12.03 MARKING April 06, 2021 01:54:20pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-MARKING PLANS.dwg
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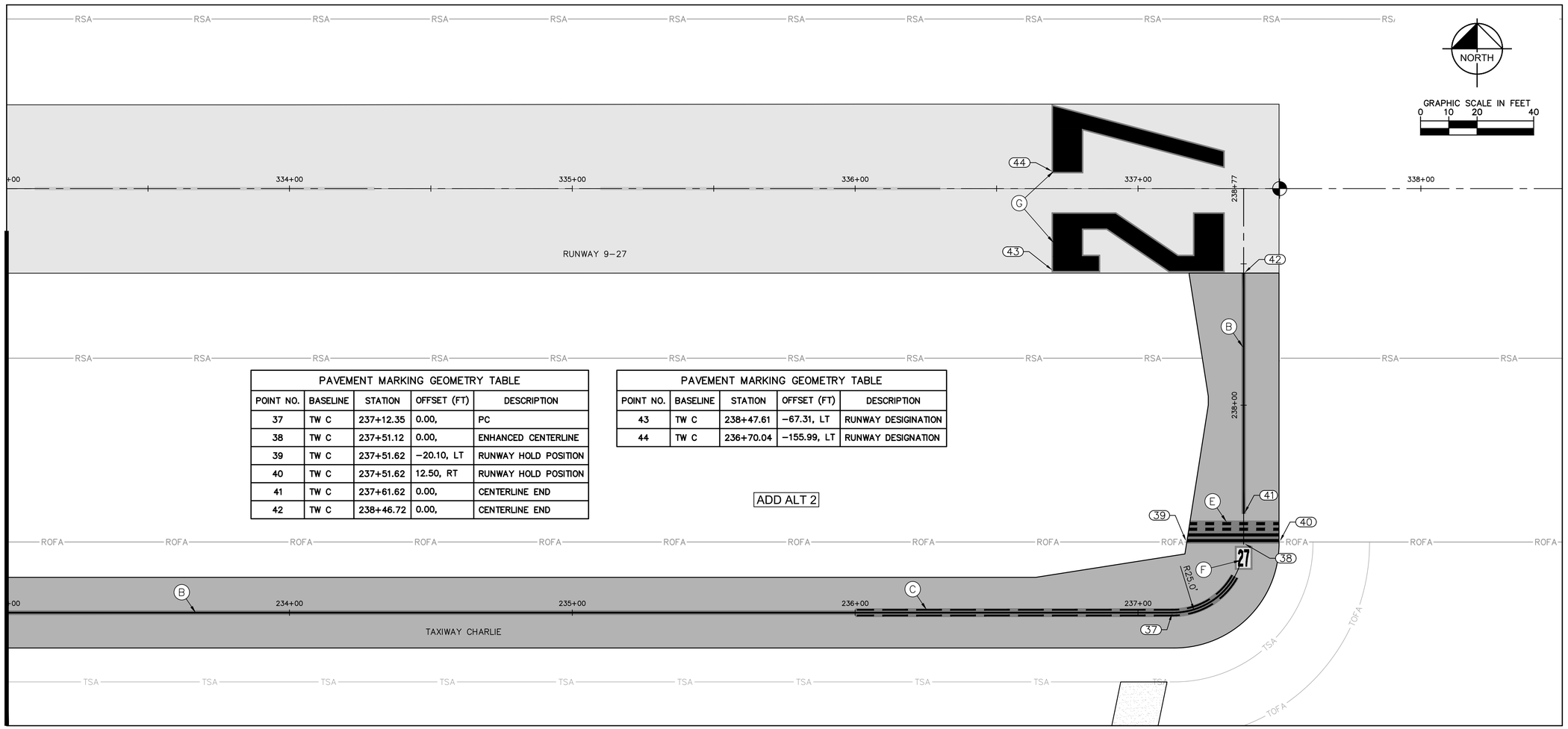

PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
37	TW C	237+12.35	0.00,	PC
38	TW C	237+51.12	0.00,	ENHANCED CENTERLINE
39	TW C	237+51.62	−20.10, LT	RUNWAY HOLD POSITION
40	TW C	237+51.62	12.50, RT	RUNWAY HOLD POSITION
41	TW C	237+61.62	0.00,	CENTERLINE END
42	TW C	238+46.72	0.00,	CENTERLINE END

PAVEMENT MARKING GEOMETRY TABLE				
POINT NO.	BASELINE	STATION	OFFSET (FT)	DESCRIPTION
43	TW C	238+47.61	−67.31, LT	RUNWAY DESIGINATION
44	TW C	236+70.04	−155.99, LT	RUNWAY DESIGNATION

NOTES:

1. ALL PAVEMENT MARKINGS ARE TO RECEIVE GLASS BEADS UNLESS SPECIFIED OTHERWISE
2. BLACK BORDERS AND BLACK BACKGROUNDS DO NOT RECEIVE GLASS BEADS.
3. SEE SHEETS C12.05 THROUGH C12.06 FOR PAVEMENT MARKING DETAILS.
4. SEE GEOMETRY AND PAVING PLANS FOR ADDITIONAL GEOMETRY INFORMATION.
5. NO GLASS BEADS ARE REQUIRED FOR TEMPORARY MARKINGS.

LEGEND:

- (A) MATCH EXISTING STRIPING.
- (B) TAXIWAY CENTERLINE MARKING.
- (C) ENHANCED TAXIWAY CENTERLINE MARKINGS.
- (D) NON–MOVEMENT AREA BOUNDARY MARKING.
- (E) RUNWAY HOLDING POSITION MARKING.
- (F) SURFACE PAINTED RUNWAY HOLD POSITION SIGN.
- (G) RUNWAY DESIGNATION NUMERALS.

LEGEND:

- EXISTING PAVEMENT
- NEW TAXIWAY PAVEMENT (FULL DEPTH/OVERLAY)
- (XX) POINT NUMBER/COORDINATE LOCATION
- PI POINT OF INTERSECTION
- PC POINT OF CURVATURE
- PT POINT OF TANGENCY
- PCC POINT OF COMPOUND CURVATURE

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THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ——

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PAVEMENT MARKING PLAN

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C12.04

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C12.04 MARKING April 06, 2021 01:54:22pm K:\ftl_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C–MULTI–MARKING PLANS.dwg
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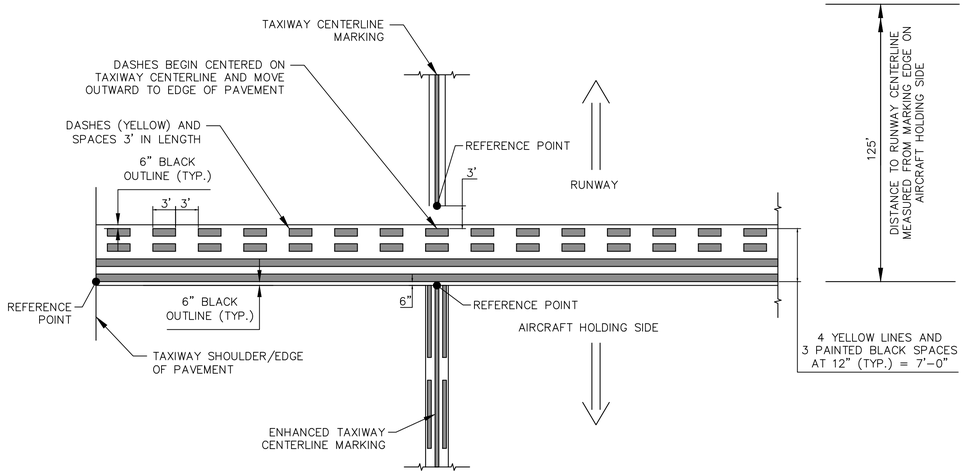
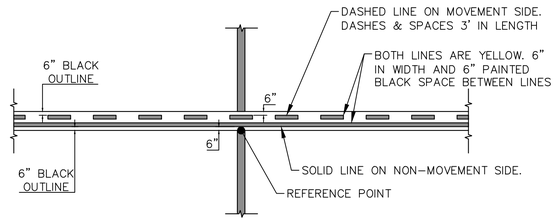


RUNWAY HOLDING POSITION MARKINGS
N.T.S.



NON-MOVEMENT AREA MARKINGS
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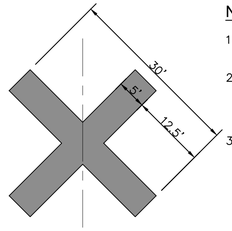
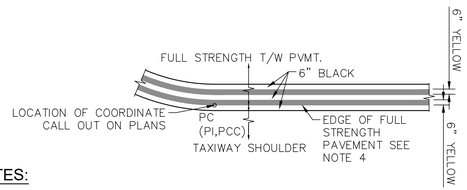


NOTES:

1. PERMANENTLY CLOSED TAXIWAY MARKINGS SHALL BE PAINTED IN YELLOW PAINT.
2. THE CONTRACTOR SHALL PLACE PERMANENTLY CLOSED TAXIWAY MARKINGS ON THE CENTERLINE OF THE FACILITY TO BE CLOSED AS SHOWN ON PLANS OR AS DIRECTED BY THE AIRPORT ENGINEER.
3. NO PAYMENT WILL BE MADE FOR RELOCATIONS OF PERMANENTLY CLOSED TAXIWAY MARKINGS.

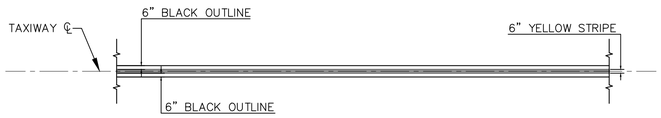
PERMANENT TAXIWAY CLOSURE MARKER
N.T.S.



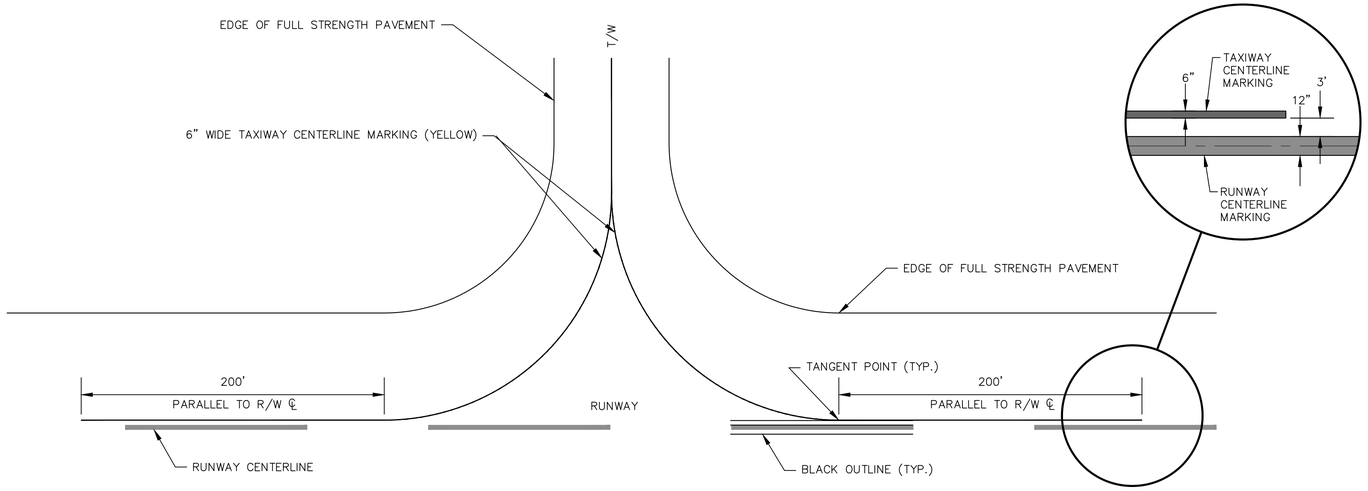
NOTES:

1. ALL TAXIWAY/TAXILANE EDGE STRIPING SHALL BE DUAL, 6-INCH WIDE, WITH A 6" SPACE.
2. ALL TAXIWAY AND TAXILANE EDGE MARKINGS SHALL BE YELLOW WITH REFLECTIVE MEDIA, AS SPECIFIED.
3. ALL TAXIWAY/TAXILANE STRIPING ON CONCRETE OR ASPHALT PAVEMENT SHALL HAVE A BLAC BORDER 6 INCHES WIDE.
4. EDGE MARKING SHALL BE POSITIONED WITH BOTH STRIPES ENTIRELY ON FULL STRENGTH PAVEMENT. FOR EXAMPLE, IN AREAS WHERE TAXIWAY IS 75' WIDE, THE OUTER EDGE OF THE OUTER STRIPE SHALL MEASURE 37.5' FROM THE CENTER OF THE TAXIWAY CENTERLINE.

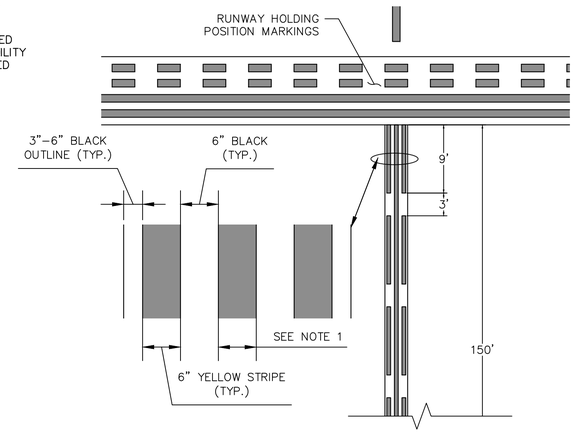
TAXIWAY EDGE MARKING
N.T.S.



TAXIWAY CENTERLINE MARKINGS
N.T.S.

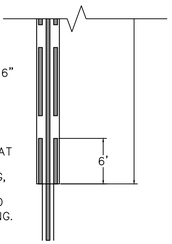


RUNWAY - TAXIWAY INTERSECTION MARKINGS
N.T.S.



NOTES:

1. DASHED LINES FOR THE ENHANCED TAXIWAY CENTERLINE MARKING ARE 6" IN WIDTH AND SEPARATED 6" FROM THE TAXIWAY CENTERLINE.
2. IF THE TAXIWAY CENTERLINE TO BE ENHANCED CONTINUES THROUGH A TAXIWAY/TAXIWAY INTERSECTION THAT IS LOCATED WITHIN 150 FEET OF A RUNWAY HOLDING POSITION MARKING, THE TAXIWAY CENTERLINE ENHANCEMENT MUST BE TERMINATED 5' PRIOR TO THE POINT OF CROSSING.
3. ENHANCEMENTS LESS THAN 150' MERGE (TANGENT) TO CURVE. END ENHANCEMENT WITH THE LAST SET OF FULL DASHES.



ENHANCED TAXIWAY CENTERLINE MARKINGS
N.T.S.

NOTES:

1. REFLECTORIZED (GLASS BEADS) PAINT SHALL BE USED FOR ALL PERMANENT PAVEMENT MARKINGS EXCEPT BLACK OUTLINE. SEE SPECIFICATION P-620 FOR GLASS BEAD TYPE AND APPLICATION RATE FOR EACH PAINT COLOR.
2. SEE PAVEMENT MARKING PLANS, SHEETS C12.01 THROUGH C12.04 FOR HORIZONTAL LAYOUT.
3. PAVEMENT MARKING DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR 150/5340-1M; IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE CIRCULAR THE ADVISORY CIRCULAR WILL TAKE PRECEDENCE.
4. ALL TAXIWAY MARKINGS ARE YELLOW, UNLESS OTHERWISE NOTED.
5. MEASURED QUANTITY PAID TO THE CONTRACTOR SHALL BE MEASUREMENT OF FINAL VISIBLE PAINT MARKINGS ACCORDING TO SPECIFICATION P-620.

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811 Know what's below. Call before you dig.
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BID SET

No.	REVISIONS	DATE	BY

Kimley»Horn
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1920 WEST CORPORATION DRIVE, SUITE 200, BOCA RATON, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ———

KHA PROJECT 144086021	DATE APRIL 2021	SCALE AS SHOWN	DESIGNED BY MEM	DRAWN BY ALB	CHECKED BY TFO

PAVEMENT MARKING DETAILS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C12.05

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C12.05 PAVEMENT MARKING DETAILS April 06, 2021 01:54:30pm K:\TI_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-MARKING DETAILS.dwg
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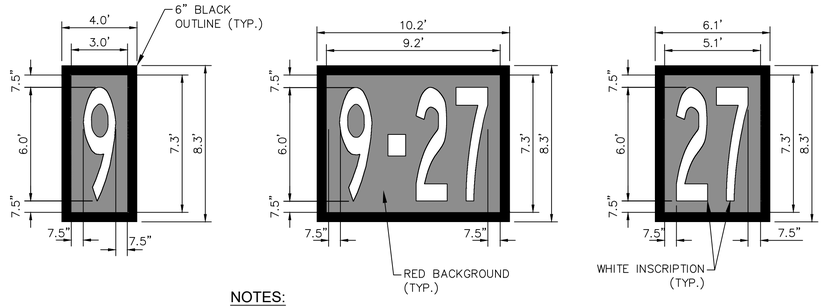
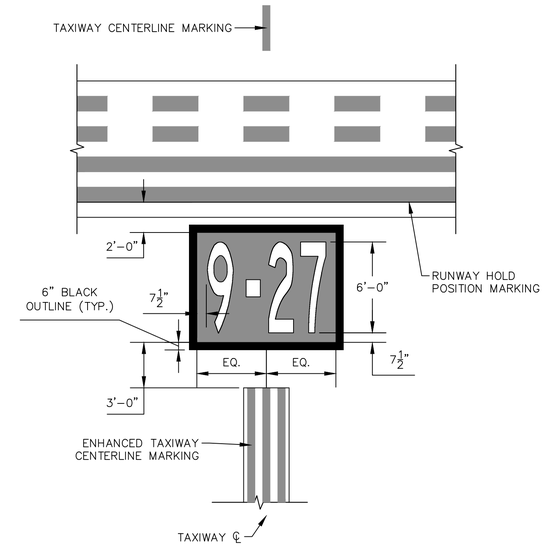


NOTES:

1. DIMENSIONS ARE EXPRESS IN FEET UNLESS OTHERWISE NOTED.
2. SURFACE PAINTED SIGNS ARE CENTERED ON THE TAXIWAY PAVEMENT CENTERLINE.

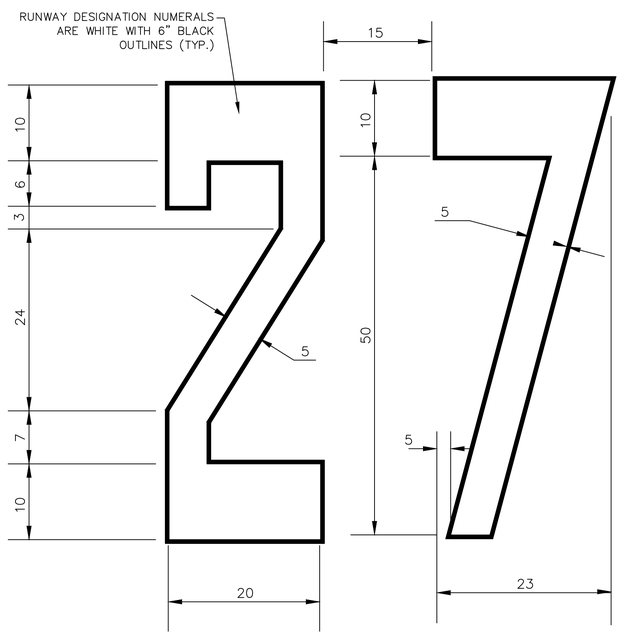
SURFACE PAINTED RUNWAY HOLDING POSITION SIGNS

N.T.S.



SURFACE PAINTED RUNWAY HOLDING POSITION SIGN LOCATION

N.T.S.



RUNWAY DESIGNATION NUMERALS MARKING

N.T.S.

NOTES:

1. DIMENSIONS ARE EXPRESS IN FEET.
2. ALL NUMERALS ARE HORIZONTALLY SPACED 15' APART.
3. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE

NOTES:

1. REFLECTORIZED (GLASS BEADS) PAINT SHALL BE USED FOR ALL PERMANENT PAVEMENT MARKINGS EXCEPT BLACK OUTLINE. SEE SPECIFICATION P-620 FOR GLASS BEAD TYPE AND APPLICATION RATE FOR EACH PAINT COLOR.
2. SEE PAVEMENT MARKING PLANS, SHEETS C12.01 THROUGH C12.04 FOR HORIZONTAL LAYOUT.
3. PAVEMENT MARKING DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR 150/5340-1M; IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE CIRCULAR THE ADVISORY CIRCULAR WILL TAKE PRECEDENCE.
4. ALL TAXIWAY MARKINGS ARE YELLOW, UNLESS OTHERWISE NOTED.
5. MEASURED QUANTITY PAID TO THE CONTRACTOR SHALL BE MEASUREMENT OF FINAL VISIBLE PAINT MARKINGS ACCORDING TO SPECIFICATION P-620.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER 62478
DATE: ____

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

PAVEMENT MARKING DETAILS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE

BELLE GLADE FLORIDA

SHEET NUMBER
C12.06

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C12.06 PAVEMENT MARKING DETAILS April 06, 2021 01:54:32pm K:\ftl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-MARKING DETAILS.dwg
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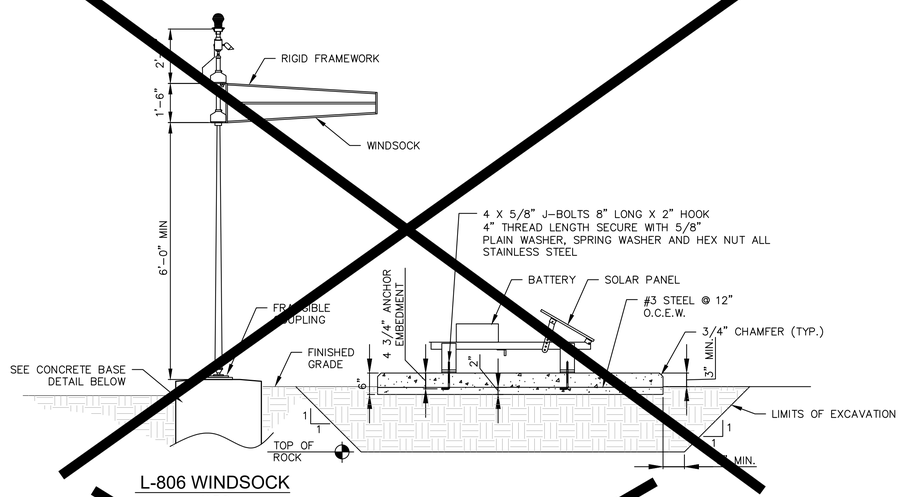
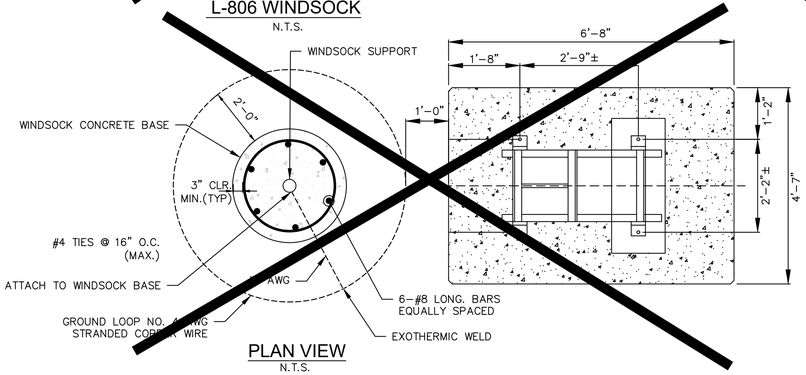
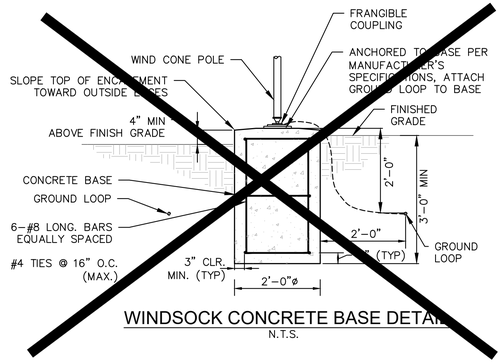


L-806 WINDSOCK
N.T.S.



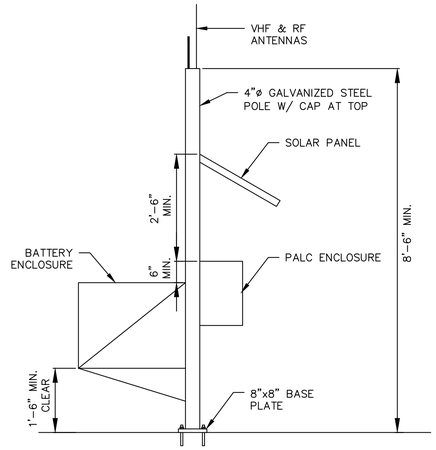
PLAN VIEW
N.T.S.



WINDSOCK CONCRETE BASE DETAIL
N.T.S.

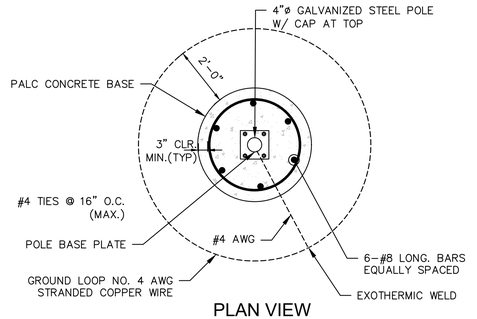
GENERAL NOTES:

1) THE FOLLOWING GEOTECHNICAL DATA WAS USED FOR THE DESIGN OF THE L-806 FOUNDATION. CONTRACTOR SHALL VERIFY THIS DATA PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
   A. ASSUMPTIONS AND VALUES USED IN DESIGN:
      - SOIL TYPE: SAND
      - SOIL FRICTION ANGLE= 28 DEGREES
      - SOIL WEIGHT = 110 PCF
      - ROCK EXPECTED AT 2'-6" FROM FINISHED GRADE
2) CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, AND BE IN CONFORMANCE WITH SPECIFICATION SECTION P-610.
3) REINFORCING STEEL SHALL BE GRADE 60, IN CONFORMANCE WITH ASTM A-615
4) ALL REINFORCING STEEL PLACEMENT AND TOLERANCE SHALL BE IN ACCORDANCE WITH THE LATEST CRSI MANUAL OF STANDARD PRACTICE.
5) UNDERLINING SOIL VOLUME BENEATH PROPOSED SLAB FOUNDATION SHALL BE DEMUCKED AND BACKFILLED PER SPECIFICATION P-152 TO THE LIMITS SHOWN.
6) ALL EXPOSED METAL COMPONENTS AND FASTENERS SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL, V.O.N.

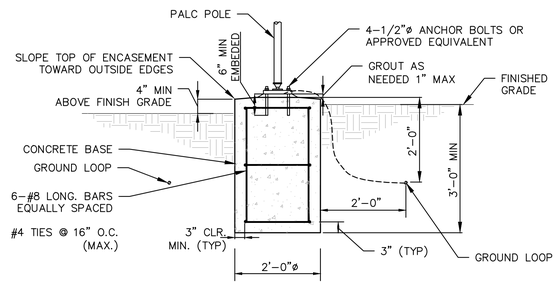


PILOT ACTIVATED LIGHTING CONTROL (PALC) EQUIPMENT
N.T.S.

NOTE ALL EQUIPMENT TO BE MOUNTED TO POLE PER MANUFACTURER SPECIFICATIONS



PLAN VIEW
N.T.S.



PALC CONCRETE BASE DETAIL
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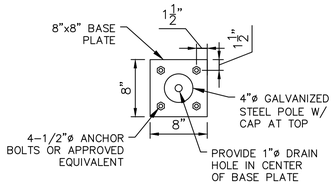

BASE PLATE DETAIL
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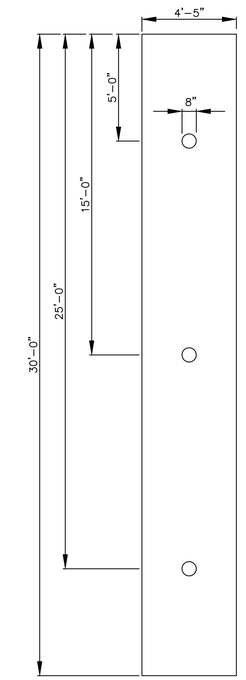
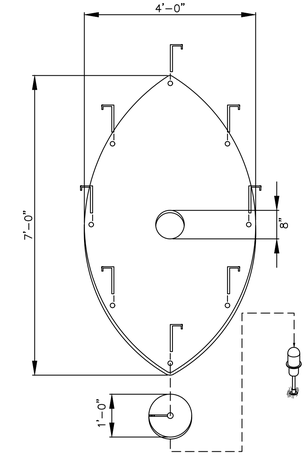


REIL ANCHORED AIRFIELD LIGHT MAT
(INSERT PER DETAIL BELOW)



ANCHORED AIRFIELD LIGHT MAT WITH INSERT FOR STAKE MOUNTED LIGHT

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No.	REVISIONS	DATE	BY

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM CA. 00000696

LICENSED PROFESSIONAL
THOMAS F. O'DONNELL
FLORIDA LICENSE NUMBER
62478
DATE: ——

KHA PROJECT 144086021
DATE APRIL 2021
SCALE AS SHOWN
DESIGNED BY MEM
DRAWN BY ALB
CHECKED BY TFO

SOLAR LIGHTING DETAILS

TAXIWAY CHARLIE
PREPARED FOR
CITY OF BELLE GLADE
BELLE GLADE FLORIDA

SHEET NUMBER
C13.01

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:C13.01 DETAILS April 06, 2021 01:54:49pm K:\WI_civil\144086021 kelly.djode.x10 tw charlie design\CAD\Wsnshsets\C13.01 SOLAR LIGHTING DETAILS.dwg
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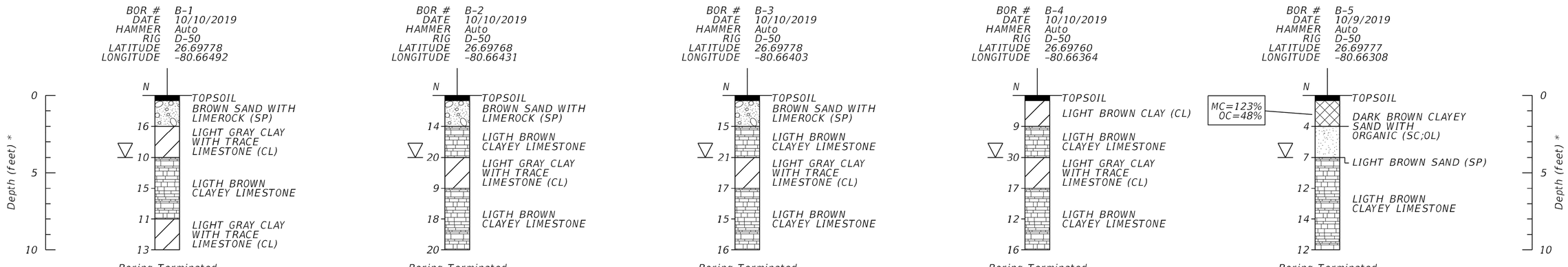
BORING LOCATION PLAN

- Approximate Location of SPT Boring
- Approximate Location of Pavement Core Test
- Approximate Location of CBR Test

DRAWN BY: NG CHECKED BY: FT	APPROVED BY: RK DATE: 10/16/2019	ENGINEER OF RECORD: RAJ KRISHNASAMY, P.E. FLORIDA LICENSE NO.: 53567	RAJ KRISHNASAMY, P.E. P.E. LICENSE NUMBER 53567 TIERRA SOUTH FLORIDA 2765 VISTA PARKWAY, S-10 WEST PALM BEACH, FL 33411 CERTIFICATE OF AUTHORIZATION 28073	SCALE: NTS	PROJECT NUMBER: 7111-19-328	BORING LOCATION PLAN AND SOIL PROFILES BELLE GLADE X 10 TAXIWAY C DESIGN BELLE GLADE, FLORIDA	Sheet: 1

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:1 BORING LOCTAION PLAN AND SOIL PROFILES April 06, 2021 01:55:06pm K:\tfl_aviation\144086021 – belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-BORING.dwg
jaliva 10/21/2019 3:22:25 PM J:\Tierra Documents\Projects\TSF 2019\7111-19-328.Task Order 2019-3 Design Phase Services for Taxiway Charlie (KHA)\7111-19-328_Splan_Sprofiles.DGN



LEGEND

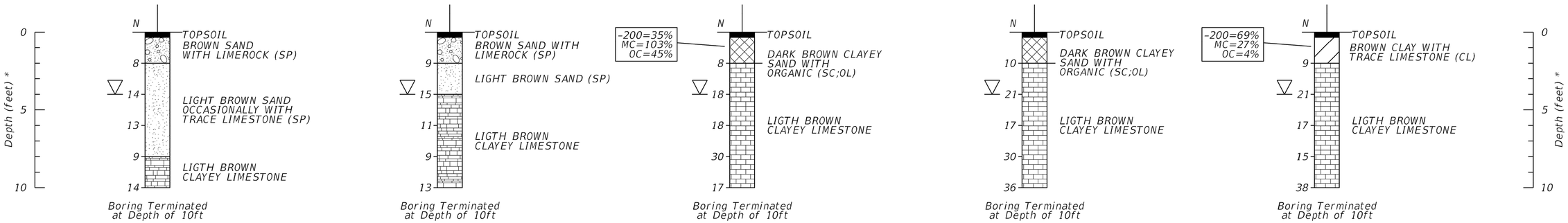
- Topsoil
- Gravelly Sand
- Clay
- Limestone
- Muck
- Sand
- Limestone
- Clayey Sand

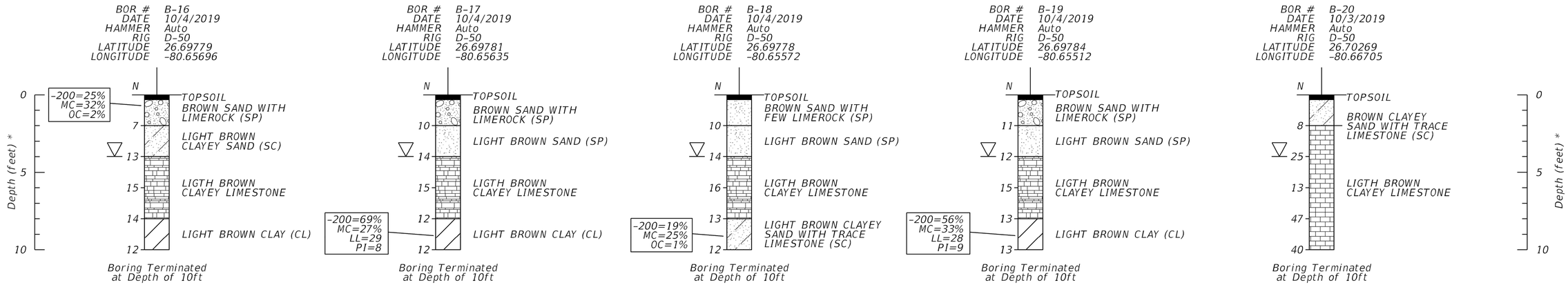
NOTES

- ∇ ENCOUNTERED GROUNDWATER TABLE
- N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION
- * DENOTES DEPTH IN FEET FROM EXISTING GROUND SURFACE
- MC= NATURAL MOISTURE CONTENT (%)
- -200= FINES PASSING #200 SIEVE (%)
- OC= ORGANIC CONTENT (%)
- LL= LIQUID LIMIT (%)
- PI= PLASTICITY INDEX (%)

DRAWN BY:	APPROVED BY:	ENGINEER OF RECORD:		SCALE:	PROJECT NUMBER:	BORING LOCATION PLAN AND SOIL PROFILES	Sheet:
NG	RK	RAJ KRISHNASAMY, P.E.	RAJ KRISHNASAMY, P.E. P.E. LICENSE NUMBER 53567 TIERRA SOUTH FLORIDA 2765 VISTA PARKWAY, S-10 WEST PALM BEACH, FL 33411 CERTIFICATE OF AUTHORIZATION 28073	NTS	7111-19-328	BELLE GLADE X 10 TAXIWAY C DESIGN BELLE GLADE, FLORIDA	2
CHECKED BY: FT	DATE: 10/16/2019	FLORIDA LICENSE NO.: 53567					

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:2 BORING LOCTAION PLAN AND SOIL PROFILES April 06, 2021 01:55:11pm K:\Tlt_aviation\144086021 — belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-BORING.dwg
jaliva 10/21/2019 3:22:31 PM J:\Tierra Documents\Projects\TSF 2019\7111-19-328.Task Order 2019-3 Design Phase Services for Taxiway Charlie (KHA)\7111-19-328_Splan_Sprofiles.DGN





LEGEND

- Topsoil
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- Limestone
- Muck
- Sand
- Limestone
- Clayey Sand

NOTES

- ∇ ENCOUNTERED GROUNDWATER TABLE
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DRAWN BY: NG CHECKED BY: FT	APPROVED BY: RK DATE: 10/16/2019	ENGINEER OF RECORD: RAJ KRISHNASAMY, P.E. FLORIDA LICENSE NO.: 53567	RAJ KRISHNASAMY, P.E. P.E. LICENSE NUMBER 53567 TIERRA SOUTH FLORIDA 2765 VISTA PARKWAY, S-10 WEST PALM BEACH, FL 33411 CERTIFICATE OF AUTHORIZATION 28073	SCALE: NTS	PROJECT NUMBER: 7111-19-328	BORING LOCATION PLAN AND SOIL PROFILES BELLE GLADE X 10 TAXIWAY C DESIGN BELLE GLADE, FLORIDA	Sheet: 3

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:3 BORING LOCTAION PLAN AND SOIL PROFILES April 06, 2021 01:55:16pm K:\tfl_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-BORING.dwg
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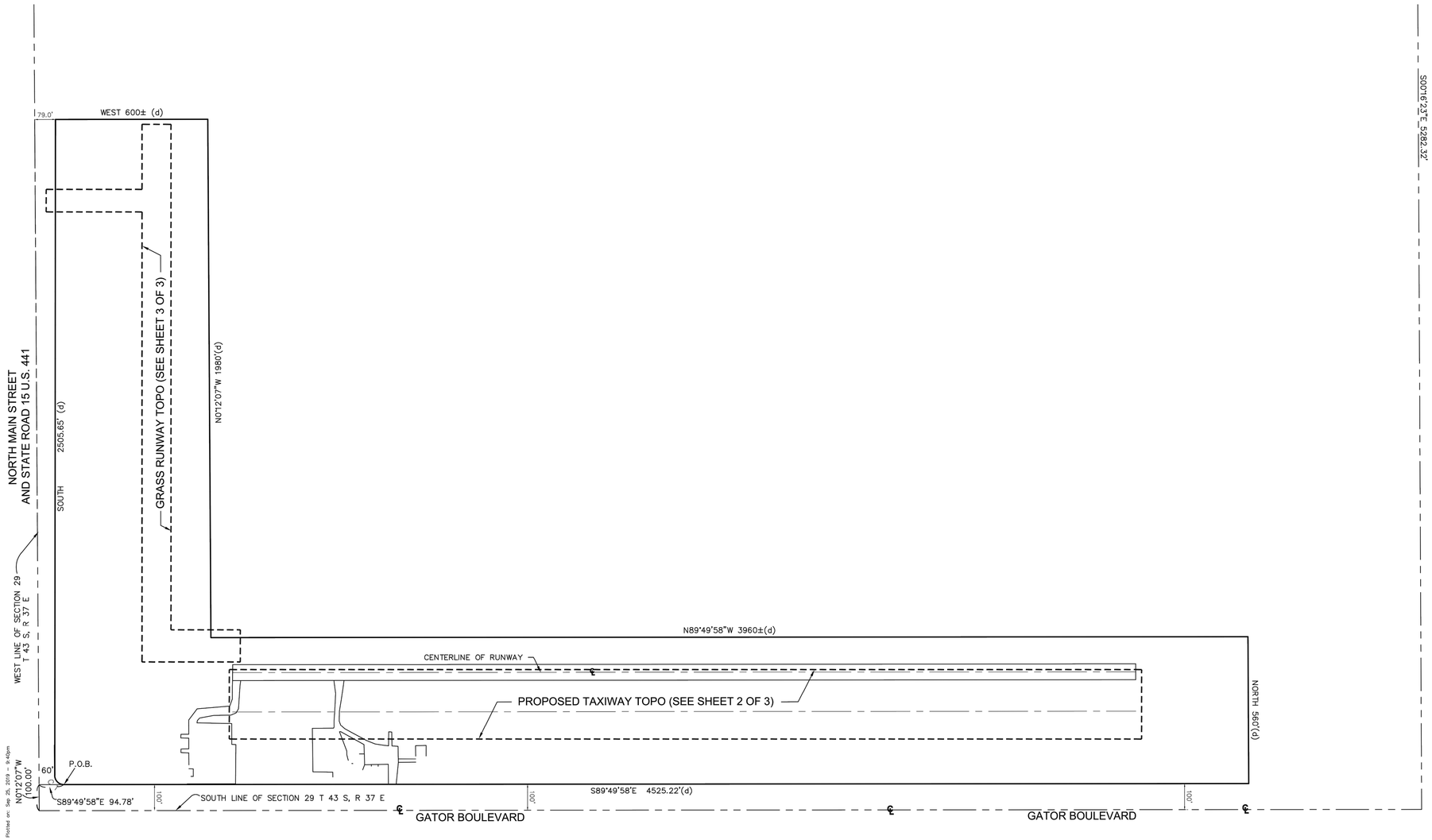


S00°16'43"E 5282.32'

PAG SURVEYORS, INC.
CERTIFICATE OF AUTHORIZATION NO. LB 3411
1833 SE AVENUE K PLACE
BELLE GLADE, FL 33430
REPORT OF TOPOGRAPHIC SURVEY FOR AND CERTIFIED TO: KIMLEY- HORN AND ASSOCIATES, INC.
DATE OF SURVEY: SEPTEMBER 13, 2019
WORK ORDER No.19-078
The survey of the property shown and described hereon was executed according to the description furnished by client, which is shown transcribed verbatim.
THIS SURVEY WAS EXECUTED WITHOUT A TITLE SEARCH OR ABSTRACT OF TITLE BEING PROVIDED.
No search of the public records was made by PAG SURVEYORS, INC.
PAG SURVEYORS, INC. has no knowledge of any recorded or unrecorded instruments other than the ones furnished by client and shown under DESCRIPTION
The boundaries shown on this survey reflect only those called for in the description and may not necessarily be the same as the lines of ownership.
NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED.
THIS IS NOT A BOUNDARY SURVEY
THE SKETCH BELOW IS FOR GENERAL INFORMATION ONLY AND IS FROM A SURVEY BY HUTCHEON ENGINEERS, INC.
FILE & DRAWING No. 76-3-558+G, DATED 3-17-76
ELEVATIONS: Elevations shown on this plat of survey are referenced to the 1988 North American Vertical Datum. A bench mark on site is a railroad spike set in the paved staging area for Roma Air Corporation. Its coordinates are N = 859396.6314 E = 765732.5835 Elevation = 10.55. There are also 19 PK Nails and Washers along the south edge of the existing runway whose coordinates and elevations are shown on a point table on page 2 of this survey. The elevations for these were established by a closed loop elevation run from the railroad spike at Roma to point no. 137 on said table and back to Roma and closed within 0.02'.
ACCURACY: The present use of the subject lands is Suburban.
The Standards of Practice set forth by the Florida State Board of Professional Surveyors and Mappers (5J-17.051 FAC) require a minimum relative distance accuracy for this type of survey of 1 foot in 7,500 feet.
This survey meets said requirements.
CERTIFICATION:
Unless it bears the signature and the original raised seal of the Florida Licensed Surveyor and Mapper whose name appears below, this report and map of boundary survey are for informational purposes only and are not valid.
I HEREBY CERTIFY that the property shown and described hereon was surveyed under my direction on September 13, 2019 as indicated on this plat.
I FURTHER CERTIFY that this survey meets the Standards of Practice set forth by the Florida Board of Professional Surveyors and Mappers pursuant to Chapter 472.027 Florida Statures and Chapter 5J-17.051 Florida Administrative Code.

PAGES 2 AND 3 ATTACHED HERETO AND MADE A PART HEREOF.

Fernando Gonzalez, P.S.M.
Florida License No. 4994

CURVE C-1
Δ 89°37'51"
R 35.00'
L 54.75'

CURVE ABBREVIATIONS
R indicates radius
T indicates tangent
CH indicates chord
L indicates arc length
Δ indicates central angle

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.
INTENDED DISPLAY SCALE

N

ABBREVIATIONS
(c) indicates computed quantity
(d) indicates description
(g) indicates grid bearing and/or distance
(m) indicates measured quantity
(p) indicates plat
(r) indicates record
BM indicates Bench Mark
I.R. indicates iron rod
R/W indicates right-of-way
T indicates Township
R indicates Range
O.R.B. indicates Official Record Book
P.O.B. indicates Point of Beginning
P.O.C. indicates Point of Commencement
--- P--- indicates overhead power line
----T- indicates telephone line
℄ indicates centerline

CURVE ABBREVIATIONS
R indicates radius
T indicates tangent
CH indicates chord
L indicates arc length
Δ indicates central angle
P.C. indicates Point of Curvature
P.T. indicates Point of Tangency

PAG SURVEYORS, INC. L.B. 3411
1833 S.E. AVENUE K PLACE
BELLE GLADE, FL 33430-4330 PHONE (561) 261-1680

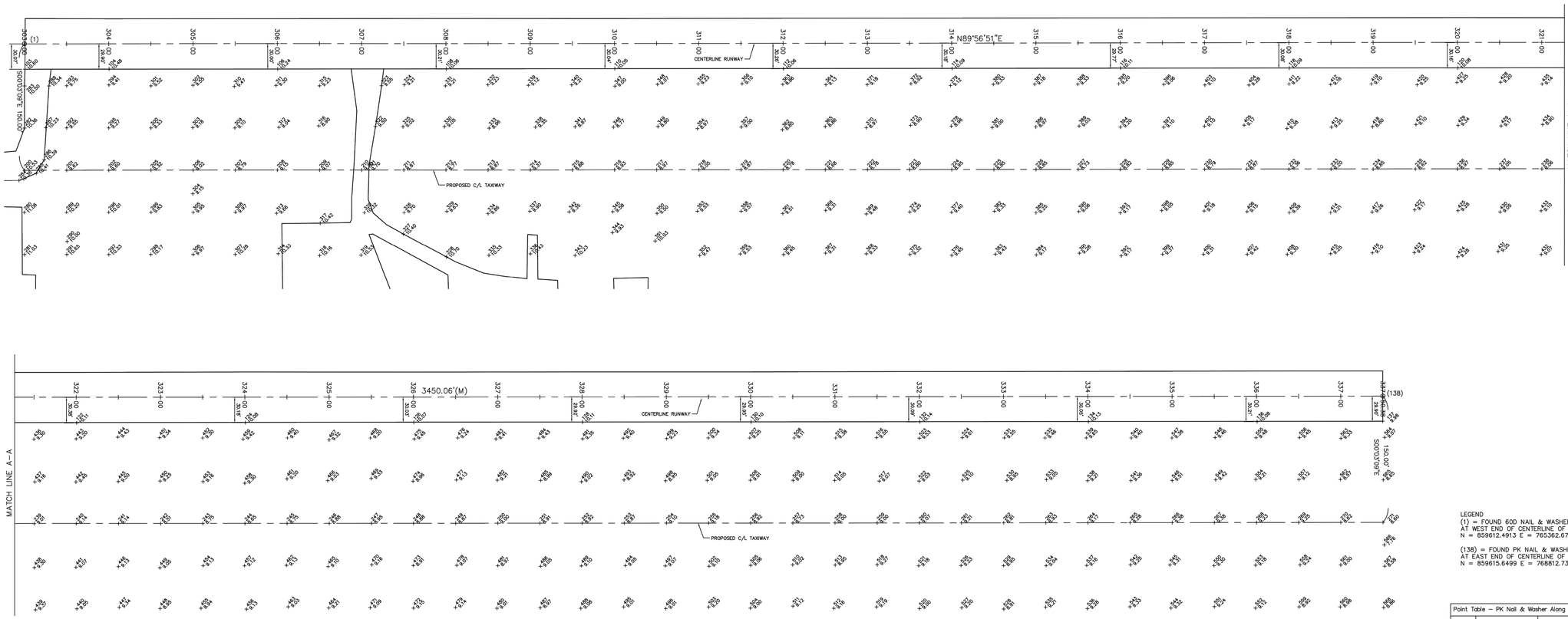
SEAL

DATE 8-20-19					
SCALE 1"= 200'					
DRAWN SB					
FB No. 43-37-923					
CHECKED FG	NO.	REVISIONS	BY	DATE	

TOPOGRAPHIC SURVEY FOR:
KIMLEY-HORN BELLE GLADE AIRPORT
BELLE GLADE FLORIDA

SHEET NO. 1 OF 3
WORK ORDER NO. 19-3-078

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:1 TOPOGRAPHIC SURVEY April 06, 2021 01:55:29pm K:\fll_aviation\144086021 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-SURVEY.dwg
FILENAME: C:\Land Projects 2019\19078 KIMLEY HORN BELLE GLADE AIRPORT\dwg\19078.dwg Posted on: Sep 25, 2019 - 9:40pm
Posted on: Sep 25, 2019 - 9:40pm



LEGEND
(1) = FOUND 60D NAIL & WASHER LB6787
AT WEST END OF CENTERLINE OF RUNWAY
N = 859612.4913 E = 765362.6796 EL = 10.67

(138) = FOUND PK NAIL & WASHER LB6787
AT EAST END OF CENTERLINE OF RUNWAY
N = 859615.6499 E = 768812.7357 EL = 10.38

Point Table – PK Nail & Washer Along S Edge of Runway			
Point #	Northing	Easting	Elevation
103	859582.4203	765363.3604	10.600
104	859582.6826	765463.1395	10.480
106	859582.7695	765663.0695	10.240
108	859582.7348	765863.0825	10.060
110	859583.0960	766063.1160	10.050
112	859583.0587	766263.0855	10.060
114	859583.3182	766463.1030	10.090
116	859583.9077	766663.0915	10.110
118	859583.7896	766863.1913	10.090
120	859583.8851	767063.1759	10.080
122	859583.8537	767263.1466	10.110
124	859584.2333	767463.2568	10.080
126	859584.5646	767663.2589	10.070
128	859584.8646	767863.2502	10.110
130	859585.0146	768063.3106	10.100
132	859585.0530	768263.3894	10.140
134	859585.2785	768463.3918	10.130
136	859585.3065	768663.5337	10.080
137	859585.7515	768812.5462	9.980

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.
INTENDED DISPLAY SCALE

N

PAG SURVEYORS, INC. L.B. 3411
1833 S.E. AVENUE K PLACE
BELLE GLADE, FL 33430-4330 PHONE (561) 261-1680

SEAL

DATE	8–20–19
SCALE	1"=60'
DRAWN	SB
FB No.	43–37–923
CHECKED	FG

NO.	REVISIONS	BY	DATE

TOPOGRAPHIC SURVEY FOR:
KIMLEY–HORN BELLE GLADE AIRPORT
BELLE GLADE **FLORIDA**

SHEET NO. 2 OF 3
WORK ORDER NO. 19–3–078

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:2 TOPOGRAPHIC SURVEY April 06, 2021 01:55:34pm K:\fll_aviation\14408621 – belle glade x10 tw charlie design\CAD\plansheets\C–MULTI–SURVEY.dwg
FILENAME: C:\Land Projects 2019\19078 KIMLEY HORN BELLE GLADE AIRPORT\dwg\19078.dwg Plotted on: Sep 25, 2019 – 9:41pm
Plotted on: Sep 25, 2019 – 9:41pm

EAST EDGE OF WATER
S.F.C.D. CANAL EL. = 6.0
ON 9-13-19

CHAIN LINK FENCE

SET 5/8" IRON ROD

SET 5/8" IRON ROD
0.2' WEST OF FENCE

WEST TOP OF BANK

SWALE

EAST TOP OF BANK

SET 5/8" IRON ROD
0.2' WEST OF FENCE

784.36'

N00°14'04"W

WEST TOP OF BANK

SWALE

EAST TOP OF BANK

24" CMP
INV. EL= 6.79

SOUTH TOP OF BANK

SWALE

NORTH TOP OF BANK

IRON PIPE INV. EL. 7.18

CHAIN LINK FENCE

N

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.
INTENDED DISPLAY SCALE

Plotted By:Scott, Kevin Sheet Set:BELLE GLADE TW CHARLIE DESIGN Layout:3 TOPOGRAPHIC SURVEY April 06, 2021 01:55:36pm K:\ftl_aviation\14408621 - belle glade x10 tw charlie design\CAD\plansheets\C-MULTI-SURVEY.dwg

Plotted on: Sep 25, 2019 - 10:38pm FILENAME: G:\Land Projects 2019\19078 KIMLEY HORN BELLE GLADE AIRPORT\dwg\19078.dwg Plotted on: Sep 25, 2019 - 10:38pm

PAG SURVEYORS, INC. L.B. 3411
1833 S.E. AVENUE K PLACE
BELLE GLADE, FL 33430-4330 PHONE (561) 261-1680

SEAL

DATE	9-13-19				
SCALE	1"=60'				
DRAWN	SB				
FB No.	43-37-923				
CHECKED	FG	NO.	REVISIONS	BY	DATE

TOPOGRAPHIC SURVEY FOR:
KIMLEY-HORN BELLE GLADE AIRPORT
BELLE GLADE **FLORIDA**

SHEET NO. 3 OF 3
WORK ORDER NO. 19-3-078