ADDENDUM #	REVISIONS	REVISED DOCUMENT
Addendum 1	Revised project manual to add fully sealed tech specs cover sheet.	Tech Spec Cover Sheet
Addendum 1	Add Temp Comm Cable Jumpers to CSPP Phase II	Sheet G016
Addendum 1	Added temp comm cable splice to Lighting and Signage plan sheets.	Lighting and Signage plan sheets.
Addendum 1	Add lighted Xs (2) to be paid for by S-1000	Sheet G008
Addendum 1	Added item and spec for S-1000 CSPP.	S-1000 spec/Sheet G023
Addendum 1	Section 701-3.6 revised verbiage clarifying Modified Proctor ASTM D1557 for Overfill.	Spec D-701
Addendum 1	Update ALCS will be removed. See revised summary of estimated quantities, specification, and unit price form.	SEQ/Spec L-125
Addendum 1	Revised notes on Sheet G008 referencing SS-120 to reference S-1000.	Sheet G008
Addendum 1	Added joint layout sheets	G002 Sheet Index/Sheets JL200-JL205
Addendum 1	Closed Taxiway G in Phase IIC	Sheet G019
Addendum 1	Moved Pavement removal to Phase IID	Sheet G020
Addendum 1	Provided higher resolution set of plans 1of2 to correct illegible font on several sheets.	Add 1_20250716 TaxiwayLima_Phase2_100%FP_1of2.pdf
Addendum 1	Provided Cost Estimates	Revised Cost Estimates
Addendum 1	Clarified D-701 Pipe Spec (See Q&A Log)	Tech Spec D-701 / Q&A Log
Addendum 1	Revised Liquidated Damage amount shown on Project Manual Sheet II-34 from $2,500/day to $2,000/day.	Div II Page II-34
Addendum 1	Removed Item L109-7.2	Sheet G023/Revised L-109
Addendum 1	Removed ALCS	Sheet G023/Revised L-125
Addendum 1	Require the use of Lime Slurry	Sheet G023/Revised P-155
Addendum 1	Provide Pre-Bid Sign In Sheet	Pre-Bid Sign in Sheet
Addendum 1	Provide Contractor Q&A	Contractor Q&A

Taxiway L Extension & Decommissioning of Runway 4R/22L and Taxiway E Mandatory Pre-Bid Meeting Date - 7/8/2025
Bid Opening Date - 7/22/2025

Date	Question	Response
6/30/2025	Will you please register us to bid on this project?	All of the necessary instructions to bid this project are contained in the bid documents housed at www.centralbidding.com and also at the link we provided below. Please note the mandatory pre-bid conference time, date, and location listed in the above referenced documents. Thank you.
7/1/2025	In regards to this project, L-125-5.8 states UPDATE ALCS with no additional information provided in the bid documents. Any hardware/software/interface & controls/components are proprietary/sole source to the control system and will need to be procured outside of this AIP Funded Project per AIP Guidelines, AIP Handbook 5100-38D Change 1, 3-36 Limited Noncompetitive Proposal Situations (ALCMS Modifications…). I look forward to your removal of this via addendum.	See revised summary of estimated quantities, specification, and unit price form. Update ALCS will be removed from the project.
7/2/2025	In regards to this project, L-109-7.2 states NEW INTERFACE RELAY PANEL with no additional information provided in the bid documents. Please provide supporting documentation outlining the requirement.	See revised summary of estimated quantities, specification, and unit price form. L-109-7.2 New Interface Relay will be removed from the project.
7/8/2025	In reference to the asphalt milling item(P-101-5.6a) for this project. With PFAS being a concern in some airports, are the asphalt millings from this project safe for recycling? or will they need to be disposed of at a hazardous waste facility?	We discussed your question related to PFAS with the airport. They are educated in regards to PFAS and its impacts. There are no current concerns regarding PFAS in asphalt millings coming out of BTR.
7/8/2025	Regarding spec items D-701-5.6 and D-701-5.10 - Please clarify the designation of Class AIV.	This is Class IV arch pipe.
7/9/2025	In Phase II it's shown for the demolition of runway 4R-22L in this phase, this is the construction entrance for the final phases of current contract in Phase 1C & 1D. We would lose access for Phases 1C, & 1D if the runway is demoed at the beginning of Phase II. Can this Demolition of 4R-22L shown in Phase II be moved to an additional phase after Phase 1D so this Runway can be used for the haul route and access for the phases in Phase II and also 1C & 1D of our contract?	Pavement removal of Runway 4R-22L and Taxiway E has been moved to the end of Phase IID to allow the pavement to remain in place available for use by the contractor as a haul route.
7/9/2025	Can you send the existing utilities map out in the addendum showing the locations of the existing utilities? The Existing conditions sheets show some utilities but most are not shown on those plan sheets	Yes. See addendum 1.
7/10/2025	What joint spacing should be used for longitudinal and transverse joints in Cement Concrete Pavement?	See additional plan sheets added in Addendum 1.
7/10/2025	Is phase 1 of this project being constructed with concrete or asphalt pavement?	Concrete.
7/10/2025	Would it be possible for the PH 2 contractor to set up a temporary concrete batch plant onsite? If so, what is the location?	A batch plant will be allowed. Location will need to be coordinated with BTR prior to execution of the construction contract.
7/10/2025	Can a copy of the sign in sheet be provided to the contractors?	Yes. See addendum 1.
7/11/2025	Can you send out the cost estimate?	Yes. See Addendum 1.
7/11/2025	Can you clarify in the addendum that slurry will be required for the lime treatment? Quick lime powder would cause too much dust.	See revised summary of estimated quantities, specification, and unit price form. Lime slurry will be required.
7/11/2025	There were several questions pertaining to illegible font on certain plan sheets.	A corrected file has been provided in Addendum 1.
7/13/2025	What will be required to use for backfill in the areas that are not considered paved area?	See 701-3.6 Overfill for pipe backfill requirements.
7/13/2025	Sheet G008 in the plans refers to an item "SS-120 Construction Safety and Security", but this item in not provided in the bid form. Please add a bid item for construction safety and security. Mobilization would not be able to cover this with the 10% limit. This item could also facilitate the temporary access drive that is required (NDP).	Revised notes on Sheet G008 referencing SS-120 to reference S-1003 Security Signs. Also added clarified verbiage in specification S-1003.
7/13/2025	Also, the geotechnical report recommends placing a minimum of 18" of structural fill over the subgrade after stripping, but the typical sections in the plans do not reflect this. Can this note be disregarded?	The P-154 Subbase layer qualifies as structural fill.
7/14/2025	Specifically on the backfill, will existing material be acceptable to backfill drainage pipe and structures that do not fall in or under paving?	See 701-3.6 Overfill for pipe backfill requirements. It is expected that existing materials meet these requirements.
7/14/2025	Do you intend to send a joint layout plan for phase two in addendum 1? The joint layout plan stops at phase 1. We need this to quantify joint materials and the area of reinforced PCCP (irregular panels).	Yes. See additional plan sheets included in Addendum 1.
7/14/2025	Will the contractor be required to use flowable fill to backfill any drainage structures on this project?	Yes. See Proposed Demolition Plan sheets for specifics.

Taxiway L Extension & Decommissioning of Runway 4R/22L and Taxiway E Mandatory Pre-Bid Meeting Date - 7/8/2025
Bid Opening Date - 7/22/2025

Date	Question	Response
7/14/2025	Please clarify the density requirements to be met on the drainage pipe?	See revised spec. Section 701-3.6 revised verbiage clarifying Modified Proctor ASTM D1557 for Overfill.
7/14/2025	If we chose to use 57 limestone as pipe bedding, will we be required to get the density on the bedding material?	Pipe embedment material and compaction requirements shall be in accordance with the applicable Type of Standard Installation (Types 1, 2, 3, or 4) per ASTM C1479 as per Section 701-3.5-1.
7/15/2025	What is the typical spacing for the low profile barriers?	The intent of the low profile barriers on this project is to prevent aircraft from crossing. BTR requires the gaps to be slightly wider than a personal vehicle so that BTR Operations vehicles can maintain access to the site.
7/15/2025	Will the base beneath paving to be removed also need to be removed? If so will it be paid for under removal of pavement or unclassified excavation?	All Pavement Removal items (P-101-5.1a, P-101-5.1b, P-101-5.1c) shall include removal of surface and base courses.
7/15/2025	Are liquidated damages $2000 a day or $2500 a day? I read on either the general or special conditions that LDs are $2500.	$2000/day. Page II-34 in the project manual is revised accordingly.
7/15/2025	The construction safety plan is a large portion of the project cost (10-15%) and there was no item for this on phase 1.	Item and specification S-1000 has been added to the project.

Taxiway L Extension & Decommissioning of Runway 4R-22L and Taxiway E - Mandatory Pre-Bid Meeting
Sign-In Sheet - 7/8/2025

Name	Agency/Company	Email	Phone
Blake Roussel	Stanley Consultants	RousselBlake@stanleygroup.com	225-936-1604
Adam Fields	"	FieldsAdam@stanleygroup.com	225-388-4219
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Jason McIntyre	American Const Demo	pickering16@cox.net	225-753-9733
David Hays	Stone	masson@stone-la.com	225-413-6324
Melissa Talley	Command Construction Industries LLC	Michelle@commandindustries.com	504-232-3518
Hunter Monte	R.J. Daigle + Sons Contractors, Inc.	hmonte@rjdaigle.com	225-644-1407
Ryan McCall	M&J Civil Construction	ryan@mj-civil.com	504-952-0394
Lance Schilling	21 Construction LLC	estimating@21const.com, lori@21const.com	985-335-8683
Bob Browning	Capitol Concrete Products LLC	Browning@CapitolCompaniesBR.com	225-975-4656
Justin Hendrick	Hendrick Construction INC	Justin@HCLAmanagement.com	(225) 933-6706
Darren Arbour	Arbour Construction LLC	Estimating@ArbourconstructionLA.com	225-317-8969
Doug Barber	Barber Brothers Contracting Co	doug@barber-brothers.com	225-355-5611
Trent Greco	Cycle Construction	estimating@cycleconstruction.com	504-275-1344
Andrew Hendrickson	Boh Bros. Construction-Aviation Paving	andrewh@bohbros.com	504-952-2591
Logan Henley	Boh Bros. Construction-Aviation Paving	lwhenley@bohbros.com	985-807-0320
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Taxiway L Extension & Decommissioning of Runway 4R-22L and Taxiway E - Mandatory Pre-Bid Meeting
Sign-In Sheet - 7/8/2025

Name	Agency/Company	Email	Phone
Randle Rutledge	Progressive Construction	rrutledge@progressiveconi.com	318 794 6570
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Derek Richard	Sigma Construction	Drichard@sigmaconstruction.com	337-278-8381
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Barry Keller	Southern Earth Sciences	BKeller@SOEARTH.COM	2254452955
Dustin/Patrick Atkins	Boone Services	Dustin@BooneServics.com	286-752-0325
Jason Maveon	FAA	Jason.Maveon@faa.gov	225-978-5037
Craig Alford	BTR	CAlford@Flybtr.com	225-223-5979
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TIM MURRAY	AMG	TIM@KUTCHINS-EROH.COM	504 908-7332
Jerry Webber	BTR	JWebber@LA.gov	225 405 6260
Renee' Cashio	BTR	rcashio@flybtr.com	
Melissa Knight	BTR	mWilliams@Flybtr.com	
Tim Lewellen	Brown Industrial	Tim.Lewellen@Brown-Industrial.com	225-828-6600
Connor Durso	Sulla, LLC	connor.durso@Sulla.us	225-281-7640

A.I.P. No.	STATE PROJECT	PARISH	SHEET No.
X-XX-XXXX-XXX-XXXX	H.XXXXXX	EAST BATON ROUGE	1

OWNER CITY OF BATON ROUGE
9430 JACKIE COCHRAN DR.
BATON ROUGE, LA 70811
EAST BATON ROUGE PARISH

BADGING POC: BATON ROUGE METROPOLITAN
AIRPORT POLICE DEPARTMENT-
225-358-4221
POWER COMPANY: ENTERGY 1-800-368-3749
RELOCATED RUNWAY VISUAL RANGE (RVR) COORDINATES:
LAT. 30°31'43.78", LONG. 91°09'05.62"

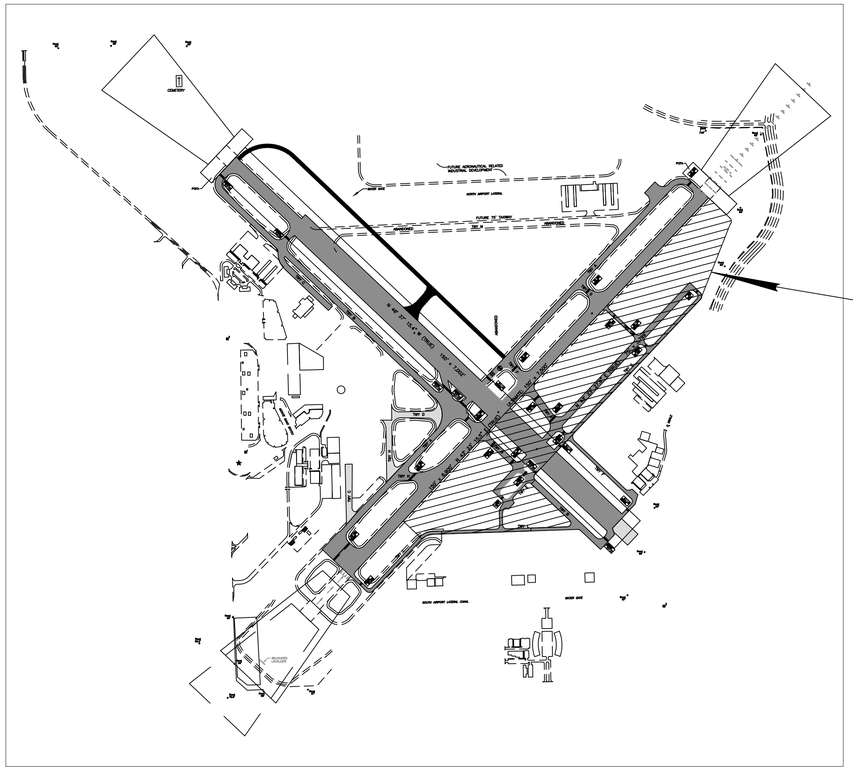
FAA FACILITIES: RUNWAY VISUAL RANGE (RVR)

AIRPORT IMPROVEMENTS

A. I. P. No. X-XX-XXXX-XXX-XXXX
S. P. No. H.XXXXX.X

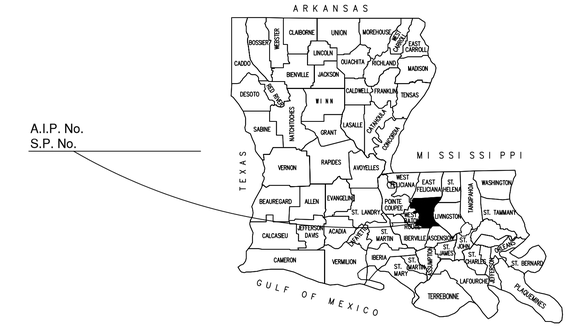
BATON ROUGE METROPOLITAN AIRPORT
TAXIWAY L EXTENSION
DECOMMISSIONING OF RUNWAY 4R-22L
DECOMMISSIONING OF TAXIWAY E

PHASE I - NOT IN THIS CONTRACT
PHASE II - THIS CONTRACT



SCALE 1 INCH = 1000 FEET

0 1000 2000 3000



VICINITY MAP

TYPE OF CONSTRUCTION:
DEMOLITION
EARTHWORK
DRAINAGE
ELECTRICAL
TAXIWAY PAVING
FENCING
DRAINAGE

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

TITLE SHEET

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G001	001

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CADD D3-R4

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163	LSDB2C	LIGHTING & SIGNING DEMOLITION PLAN - AREA B2C
164	LSDB2D	LIGHTING & SIGNING DEMOLITION PLAN - AREA B2D
165	LSDB3C	LIGHTING & SIGNING DEMOLITION PLAN - AREA B3C
166	LSDB3D	LIGHTING & SIGNING DEMOLITION PLAN - AREA B3D
167	LSDB4C	LIGHTING & SIGNING DEMOLITION PLAN - AREA B4C
168	LSDC2A	LIGHTING & SIGNING DEMOLITION PLAN - AREA C2A
169	LSDC2B	LIGHTING & SIGNING DEMOLITION PLAN - AREA C2B
170	LSDC3B	LIGHTING & SIGNING DEMOLITION PLAN - AREA C3B
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172	PSM201	PROPOSED SIGNAGE MAP 201
173	PSM202	PROPOSED SIGNAGE MAP 202
174	PSMAB12	PROPOSED SIGNAGE MAP AB12
175	PSMAB34	PROPOSED SIGNAGE MAP AB34
176	PSMCD12	PROPOSED SIGNAGE MAP CD12
177	LSP200	LIGHTING & SIGNAGE LOCATION PLAN
178	LSB1A	LIGHTING & SIGNING PLAN - AREA B1A
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186	LSB1D	LIGHTING & SIGNING PLAN - AREA B1D
187	LSB2C	LIGHTING & SIGNING PLAN - AREA B2C
188	LSB2D	LIGHTING & SIGNING PLAN - AREA B2D
189	LSB3C	LIGHTING & SIGNING PLAN - AREA B3C
190	LSB3D	LIGHTING & SIGNING PLAN - AREA B3D
191	LSB4C	LIGHTING & SIGNING PLAN - AREA B4C
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210	SMB2C	MARKING LAYOUT PLAN - AREA B2C
211	SMB2D	MARKING LAYOUT PLAN - AREA B2D
212	SMB3C	MARKING LAYOUT PLAN - AREA B3C
213	SMB3D	MARKING LAYOUT PLAN - AREA B3D
214	SMB4C	MARKING LAYOUT PLAN - AREA B4C
215	SMB4D	MARKING LAYOUT PLAN - AREA B4D
216	SMC2A	MARKING LAYOUT PLAN - AREA C2A
217	SM200	MARKING LAYOUT PLAN DETAILS
218	SM201	MARKING LAYOUT PLAN DETAILS
219	CF100	PERIMETER SECURITY FENCE RE-ALIGNMENT LOCATION PLAN
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228	SWPB1D	STORM WATER PROTECTION PLAN - AREA B1D
229	SWPB2C	STORM WATER PROTECTION PLAN - AREA B2C
230	SWPB2D	STORM WATER PROTECTION PLAN - AREA B2D
231	SWPB3C	STORM WATER PROTECTION PLAN - AREA B3C
232	SWPB3D	STORM WATER PROTECTION PLAN - AREA B3D
233	SWPB4C	STORM WATER PROTECTION PLAN - AREA B4C
234	SWPB4D	STORM WATER PROTECTION PLAN - AREA B4D
235	SWPC2A	STORM WATER PROTECTION PLAN - AREA C2A
236	SWPC2B	STORM WATER PROTECTION PLAN - AREA C2B
237	SWPC3A	STORM WATER PROTECTION PLAN - AREA C3A
238	SWPC3B	STORM WATER PROTECTION PLAN - AREA C3B
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244	JL201	ENLARGED JOINT LAYOUT PLAN - AREA 201
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300	BM-01 10/26/23	BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES (SHEET 1 OF 2)
301	BM-01 10/26/23	BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES (SHEET 2 OF 2)
302	CB-01 11/2/2000	CONCRETE OPEN TOP CATCH BASIN (12' MAX. DEPTH) (24"x36" MAX. PIPE) (SPECIFY GRATE TYPE)
303	CB-02 11/2/2000	CONCRETE OPEN TOP CATCH BASIN (12' MAX. DEPTH) (42"x72" MAX. PIPE) (SPECIFY GRATE TYPE)
304	CBSD-02 7/15/2011	OPEN TOP CATCH BASIN

BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL

7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED JOINT LAYOUT SHEETS	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SHEET INDEX

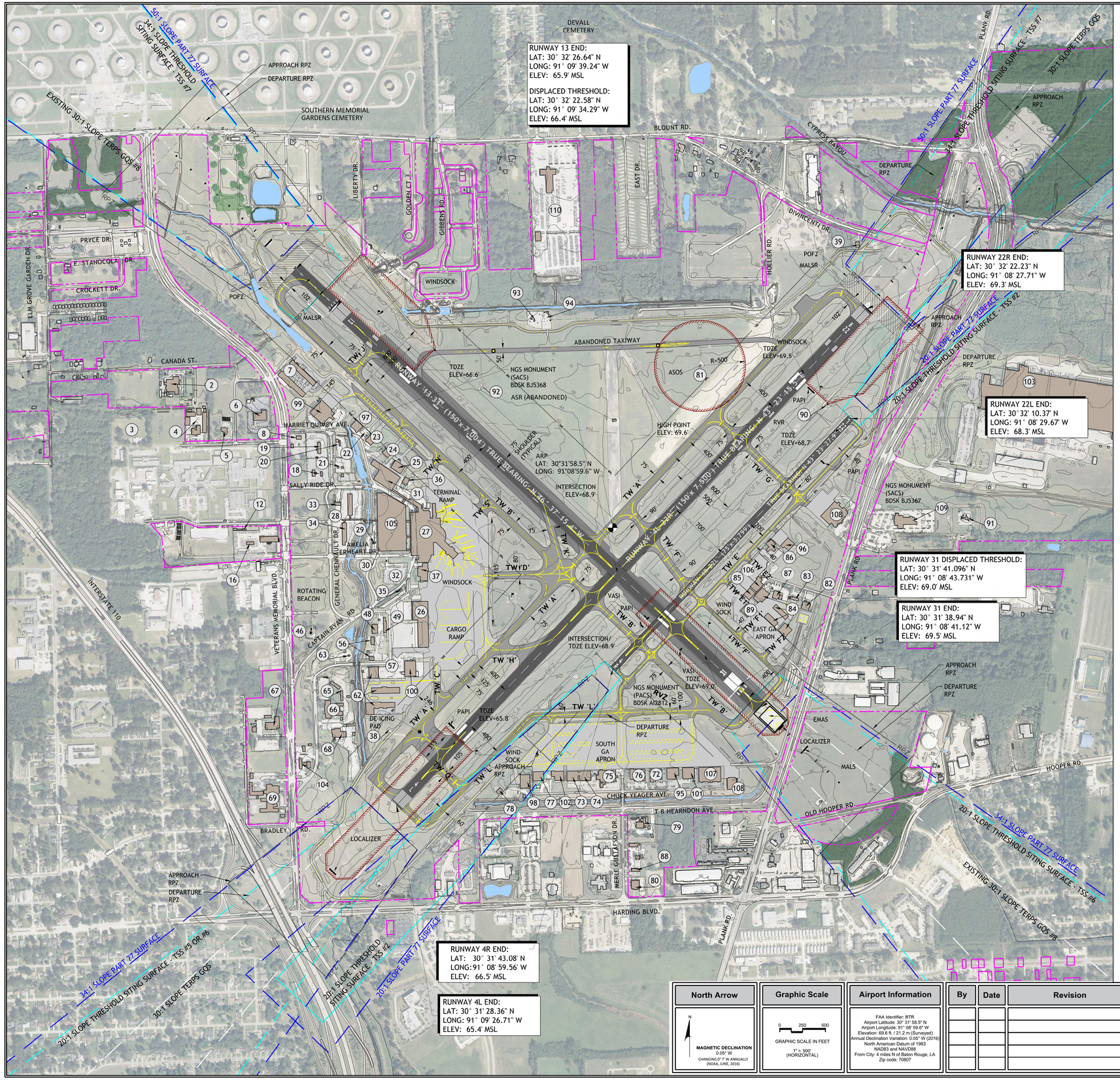
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G002
SHEET NO: 002

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CADD D3-R4



	BUILDING AND FACILITY LEGEND
2	ANIMAL CONTROL CENTER
3	K-9 TRAINING CENTER
4	MOSQUITO ABATEMENT AND RODENT CONTROL CENTER
5	E.B.R. JUNIOR DEPUTIES
6	LOOMIS
7	T-HANGARS
8	ENTERPRISE RENT-A-CAR
12	RAIL ROAD COMPANIES
16	ROAD RUNNER TOWING
18	AVIS CAR RENTAL
19	HERTZ CAR RENTAL
20	NATIONAL CAR RENTAL
21	BUDGET CAR RENTAL
22	SIGNATURE FUEL FARM
23	EXCEL HANGAR
24	HEAD & ENGGUIST EQUIP.-INC.
25	H.J. WILSONS CO. HANGAR
26	AIR CARGO BUILDING
27	RYAN AIRPORT TERMINAL BUILDING
28	TERMINAL PARKING LOT
29	TERMINAL PARKING LOT-ENTRANCE GATE
30	TRANSFORMERS
31	RENTAL CAR READY LOT
32	EMPLOYEE PARKING AREA
33	TERMINAL PARKING LOT-TICKET BOOTH
34	TERMINAL PARKING LOT
35	TAXI CAB CALLER BOOTH
36	U.S. POSTAL FACILITY
37	A.R.F.F.
38	DE-ICING STAGING
39	BLUE BUILDING
46	AIRPORT BEACON AND WATER TOWER
48	FIELD MAINT.
49	BUILDING #24 AIRPORT STORAGE
56	FIELD MAIN. STORAGE SHED
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62	STATE AVIATION HANGARS
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66	LA. ARMY NATIONAL GUARD COMPLEX
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68	EBRSO
69	E.B.R. FAMILY COURT
72	SIGNATURE HANGAR
73	SIGNATURE HANGAR
74	SIGNATURE HANGAR
75	SIGNATURE HANGAR
76	SIGNATURE HANGAR
77	BTR JET
78	AIRFIELD ELECTRICAL VAULT
79	AIR TRAFFIC CONTROL TOWER / F.A.A.
80	BATON ROUGE FIRE STATION # 14
81	NATIONAL WEATHER SERVICE EQUIPMENT
82	CIVIL AIR PATROL
83	NATIONAL WEATHER SERVICE
84	EXECUTIVE AVIATION
85	SIGNATURE EAST
86	TSA
87	EXECUTIVE AVIATION
88	ROCO
89	EXECUTIVE AVIATION
90	GLIDE SLOPE FACILITY
91	AIRPORT SURVEILLANCE RADAR
92	GLIDE SLOPE FACILITY
93	R.T.R. REMOTE TRANSMITTER
94	EMERGENCY GENERATOR (93 ABOVE)
95	SIGNATURE HANGAR
96	BTR HANGAR
97	VULCAN SITE AND HANGAR
98	PAI AERO
99	DOW CHEMICAL HANGAR
100	EBRSO
101	SIGNATURE HANGAR
102	BTR JET
103	COCA-COLA
104	AIRPORT FUEL SERVICE AND FOOD MART
105	PARKING GARAGE
106	SIGNATURE EAST
107	SIGNATURE HANGAR
108	AVERITT HANGAR
109	ALL STAR CHEVROLET
110	ABC

LEGEND

- EX. BUILDINGS
- EX. RUNWAY PAVEMENT
- EX. RUNWAY SHOULDER PAVEMENT
- EX. TAXIWAY PAVEMENT
- EX. APRON PAVEMENT
- 800 — ELEVATION CONTOURS
- TREELINES
- WATER/DETENTION AREAS
- NAVAID CRITICAL AREAS
- RPZ — RUNWAY APPROACH PROTECTION ZONE (RPZ)
- RUNWAY DEPARTURE PROTECTION ZONE (RPZ)
- RSA — RUNWAY SAFETY AREA (RSA)
- ROFA — RUNWAY OBJECT FREE AREA (ROFA)
- OFZ — RUNWAY OBSTACLE FREE ZONE (ROFZ)
- PRECISION OBSTACLE FREE ZONE (POFZ)
- BRL — BUILDING RESTRICTION LINE (BRL)
- RVZ — RUNWAY VISIBILITY ZONE (RVZ)
- TSA — EX. TAXIWAY SAFETY AREA (TSA)
- TOFA — EX. TAXIWAY OBJECT FREE AREA (TOFA)
- EX. AIRPORT PROPERTY LINE
- AIRPORT REFERENCE POINT
- WINDSOCK
- FAR PART 77 APPROACH SURFACE
- THRESHOLD SITING APPROACH SURFACE

FEDERAL AVIATION ADMINISTRATION
Southwest Region
APPROVED
Approved - Subject to Conditions
in FAA Letter Dated: March 6, 2018
3/23/18 — Date
Manager, LA/NM ADO, ASW-640
4/2/18 Ralph Hennessy
Ralph Hennessy

North Arrow	Graphic Scale	Airport Information	By	Date	Revision
N — MAGNETIC DECLINATION 0.05° W, CHANGING 0° 7' W ANNUALLY (NOAA, JUNE, 2016)	0 250 500 — GRAPHIC SCALE IN FEET — 1" = 500' (HORIZONTAL)	FAA Identifier: BTR Airport Latitude: 30° 31' 58.5" N Airport Longitude: 91° 08' 59.6" W Elevation: 69.6 ft. / 21.2 m (Surveyed) Annual Declination Variation: 0.05° W (2016) North American Datum of 1983 NAD83 and NAVD88 From City: 4 miles N of Baton Rouge, LA Zip code: 70807			

BTR BATON ROUGE METRO AIRPORT FLY EASY.

Kutchins & Giroh consulting assistants for airports

CHA

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Existing Airport Layout Drawing	3 of 26

Date	Project	Drawn By	Approved By
September 2017	BTR - Airport Layout Plan Update FAA AIP Project # (3-22-0006-104-2015)	JAH / LSB CHA Consulting, Inc.	DJP / BCK Kutchins & Giroh, LLC

ABBREVIATIONS:

A	
A	AMPERE
AC	ALTERNATING CURRENT OR AIR COMPRESSOR
A/C	AIR CONDITIONING
ADJ	ADJACENT OR ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
AOA	AIRPORT OPERATING AREA
APPROX	APPROXIMATELY
ATCT	AIRPORT TRAFFIC CONTROL TOWER
AUX	AUXILIARY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
B	
BC	BARE CONDUCTOR
BD	BOARD
BKR	BREAKER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOT	BOTTOM OF TRAY
BSDC	BARE SOFT DRAWN COPPER
BTR	BATON ROUGE METROPOLITAN AIRPORT
B/W	BETWEEN
C	
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
C/C	CENTER TO CENTER
CKT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CO	CONDUIT ONLY
COL	COLUMN
COMB	COMBINATION/COMBINE
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COR	CONTRACTING OFFICERS REPRESENTATIVE
CP OR CNTR	CONTROL PANEL
PNL	
CPSE	COUNTERPOISE
CTR	CENTER
CU	COPPER
D	
DEB	DIRECT EARTH BURIED
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGRAM
DISC	DISCONNECT
DIST	DISTRIBUTION
DME	DISTANCE MEASURING EQUIPMENT
DN	DOWN
DP	DEEP
DPU	DATA PROCESSING UNIT
DR	DOOR
DWG	DRAWING
E	
EA	EACH
EES	EARTH ELECTRODE SYSTEM
EL	ELEVATION
ELEC	ELECTRIC
EMERG	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
EXO	EXOTHERMIC
F	
FAA	FEDERAL AVIATION ADMINISTRATION
F	FAHRENHEIT
FDN	FOUNDATION
FIN	FINISH
FIX/FIXT	FIXTURE
FL/FLR	FLOOR
FR	FIRE RATED
FT	FEET
G	
GA	GAGE
GALV	GALVANIZED
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFI	GROUND FAULT INTERRUPTING
GFM	GOVERNMENT FURNISHED MATERIAL
G/GND	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
GS	GLIDE SLOPE
H	
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HZ	HERTZ
I	
IG	ISOLATED GROUND
J	
J	JUNCTION
JB	JUNCTION BOX
K	
KCMIL	THOUSAND CIRCULAR MILLS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
L	
L	LENGTH
LCD	LOCAL CONTROLLER DISPLAY
LF	LINEAR FEET
LOC	LOCALIZER
LHA	LAMP HOUSING ASSEMBLY OR LIGHT HOUSING ASSEMBLY
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LVL	LEVEL
M	
MALS	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM
MTR	MOTOR
MAINT	MAINTENANCE
MAX	MAXIMUM
MCA	MIN CIRCUIT AMPACITY
MCS	MOLDED CASE SWITCH
MDT	MAINTENANCE DATA TERMINAL
MECH	MECHANICAL
MFR	MANUFACTURER
MGP	MAIN GROUND PLATE
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPGP	MULTIPOINT GROUND PLATE
MTD	MOUNTED
MTG	MOUNTING
N	
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NWS	NATIONAL WEATHER SERVICE
O	
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
P	
P	PUMP
PART	PARTIAL/PARTITION
PAPI	PRECISION APPROACH PATH INDICATOR
PEN	PENETRATION
PL	PLATE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PVC	POLYVINYL CHLORIDE
PB	PUSH BUTTON
Q	
R	
R	RISER
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCPT	RECEPTACLE
RE	FAA RESIDENT ENGINEER
REF	REFERENCE
REFL	REFLECTED
REIL	RUNWAY END ID LIGHTS
REINF	REINFORCING
RMS	REMOTE MONITORING SUBSYSTEM
REQD	REQUIRED
REV	REVERSE
RGSC	RIGID GALVANIZED STEEL CONDUIT
RLIM	RUNWAY LIGHT INTENSITY MONITOR
RM	ROOM
RO	ROLL OUT
RSA	RUNWAY SAFETY AREA
RTR	REMOTE TRANSMITTER RECEIVER
RVR	RUNWAY VISUAL RANGE
RWY	RUNWAY
S	
SCH	SCHEDULE
SECT	SECTION
SH	SHIELDED
SHLTR	SHELTER
SHT	SHEET
SIC	SENSOR INTERFACE CARD
SIE	SENSOR INTERFACE ELECTRONIC
SIG	SIGNAL
SIM	SIMILAR
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SW	SWITCH
SYM	SYMMETRICAL
T	
TCH	THRESHOLD CROSSING HEIGHT
TOT	TOTAL
TRACON	TERMINAL RADAR APPROACH CONTROL
T-STAT	THERMOSTAT
TWR	TOWER
U	
UG	UNDERGROUND
UGC	UNDERGROUND CABLE/CONDUIT
UL	UNDERWRITERS LABORATORIES INC
UNO	UNLESS NOTED OTHERWISE
ULT	ULTIMATE
V	
V	VOLTAGE
VA	VOLT AMP
VAC	VOLT ALTERNATING CURRENT
VASI	VISUAL APPROACH SLOPE INDICATOR
VDC	VOLT DIRECT CURRENT
VERT	VERTICAL
VS	VISIBILITY SENSOR
W	
W	WATT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WWF	WELDED WIRE FABRIC
X	
XFMR	TRANSFORMER
Y	
Z	

GENERAL NOTES

1. TESTING OF WORK SHALL BE THE RESPONSIBILITY OF CONTRACTOR AND SHALL CONFIRM COMPLIANCE WITH THE SPECIFICATIONS. TESTS SHALL BE PERFORMED BY AN APPROVED COMMERCIAL TESTING LABORATORY.
2. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITIONS. CONTRACTOR SHALL RETURN ALL ESTABLISHED EQUIPMENT STAGING, ACCESS AND MATERIAL STORAGE AREAS TO THEIR PRE-CONSTRUCTION CONDITIONS; AS COORDINATED WITH AND APPROVED BY THE AIRPORT AUTHORITY.
3. ALL WEEP HOLES AND/OR VENT HOLES IN EXTERIOR EQUIPMENT SHALL BE PROTECTED FROM RODENT ENTRY WITH GALVANIZED SCREENING. SCREEN HOLE PATTERN SHALL BE SIMILAR TO THAT USED FOR WINDOW SCREENING.
4. ALL WATER SHALL BE FROM A POTABLE SOURCE. CONTRACTOR SHALL IDENTIFY SOURCES OF WATER AT THE START OF THE JOB. ALL WATER TAKEN FROM FIRE HYDRANTS ON AIRPORT PROPERTY IS SUBJECT TO THE APPROVAL AND REQUIREMENTS OF THE AIRPORT AUTHORITY.
5. CABLE LAYING: THE CONTRACTOR SHALL NOT LAY OUT CABLE ON THE AIRFIELD WHEN A CONFLICT WITH AIRPORT'S MOWING SCHEDULE OCCURS.
6. SOIL GROUND RESISTIVITY MEASUREMENTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE PROGRAM MANAGER.
7. INSTALL ALL FACILITY ROADS, PLOTS, FOUNDATIONS, POWER AND UTILITY SERVICES WITH ADEQUATE COMPACTION AND POSITIVE DRAINAGE WITH NO POTENTIAL EROSION OR PONDING OF WATER.
8. NO SHELTER PENETRATIONS SHALL BE MADE WITHOUT PRIOR AUTHORIZATION OF OFFICE OF PRIMARY RESPONSIBILITY, WHERE APPROVED. SHELTER PENETRATIONS SHALL BE MADE SO AS TO MINIMIZE THE RISK OF WATER PENETRATION OF THE SHELTER. ELIMINATE OR MINIMIZE THE USE OF FASTENERS ON THE OUTSIDE WALLS OF FACILITY SHELTERS. WHERE WALL PENETRATIONS ARE UNAVOIDABLE, UTILIZE 100% SILICONE SEALANT TO PREVENT WATER PENETRATION OF SHELTER. SEAL ALL CONDUIT OPENINGS WITH CONDUIT SEAL.
9. COMPREHENSIVE TESTING AND DOCUMENTATION OF ALL UNDERGROUND CABLE AND GROUNDING INSTALLATION IS REQUIRED. COPIES OF THE TEST RESULTS SHALL BE PROVIDED TO THE PROGRAM MANAGER FOR ACCEPTANCE.
10. ALL EXTERIOR FASTENERS SUPPORTS, (e.g.);UNISTRUT CHANNEL (ETC.), CLAMPS, AND HARDWARE SHALL BE STAINLESS STEEL FINISH UNLESS NOTED OTHERWISE.
11. THE CONTRACTOR IS TO REVIEW ALL AIRFIELD UTILITIES WITH THE AIRFIELD MAINTENANCE STAFF AND LOCAL PROGRAM MANAGER PRIOR TO BEGINNING WORK.
12. PRIOR TO INITIATING CONSTRUCTION, THE CONTRACTOR SHALL FIELD INSPECT CURRENT CONDITIONS AND DETERMINE IF CONDITIONS THAT ARE NOT REFLECTED ON THESE PLANS WILL BE A PROBLEM WITH COMPLYING WITH THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE PROGRAM MANAGER IN WRITING OF THE RESULTS OF THIS INSPECTION. IF THERE ARE PROBLEM AREAS, THE PROGRAM MANAGER SHALL DIRECT THE CONTRACTOR ON HOW TO PROCEED WITH WORK IN THE PROBLEM AREAS. THE CONTRACTOR SHALL NOT INITIATE WORK, ORDER MATERIALS OR THE FABRICATION OF ITEMS IN AREAS WHERE THERE ARE IDENTIFIED PROBLEMS UNLESS APPROVED IN WRITING BY THE PROGRAM MANAGER.
13. THE CONTRACTOR SHALL HAUL ALL EXCESS MATERIAL OFF SITE AND DISPOSE OF PROPERLY.
14. SEE SHEETS G008 THROUGH G022 FOR CONSTRUCTION SAFETY AND LOGISTIC RELATED INFORMATION.
15. NO CABLE OR CONDUIT SHALL BE INSTALLED UNLESS FAA RPR INSPECTOR IS PRESENT. CONTRACTOR SHALL COORDINATE ALL WORK WITH FAA RPR.

EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STATE DOT AND/OR AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
2. PRIOR TO INITIATING ANY WORK ON SITE, THE PROGRAM MANAGER SHALL REVIEW THE CONTRACTORS EROSION AND SEDIMENT CONTROL PLAN.
3. DURING PERIODS WHEN CONSTRUCTION EQUIPMENT AND VEHICLES ARE WORKING ADJACENT TO AND/OR ARE CROSSING TAXIWAYS/TAXILANES OR AIRPORT PERIMETER ROADS, THE CONTRACTOR SHALL HAVE A SWEEPER ON-SITE AT ALL TIMES IN ORDER TO CONTINUALLY CLEAN SUCH PAVEMENTS FOR NORMAL USE BY AIRCRAFT OR OTHER VEHICLES. NONCOMPLIANCE WITH THIS REQUIREMENT CONSTITUTES CAUSE FOR SUSPENSION OF WORK UNTIL CORRECTIVE MEASURES ACCEPTABLE TO THE COR AND AIRPORT OPERATION ARE TAKEN BY THE CONTRACTOR, WHEREUPON WORK MAY RESUME.
4. THE PROGRAM MANAGER MAY DIRECT THE CONTRACTOR TO ADD NEW MEASURES TO CONTROL EROSION AND SEDIMENT TRANSPORT AT ANY TIME DURING THE PROJECT.
5. AREAS OF STOCKPILED MATERIALS WITHIN THE CONSTRUCTION AREA ARE TO BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT OR EROSION RESULTING FROM AIRCRAFT BLAST, WIND CONDITION, OR RAINFALL. THE CONTRACTOR IS RESPONSIBLE FOR IMMEDIATE CLEANUP OF ANY DEBRIS THAT FALLS ON AIR FIELD OR ROADWAY PAVEMENT AS A RESULT OF THE CONTRACTOR'S WORK. CONTRACTOR IS TO SWEEP ON A DAILY BASIS, ALL ROADWAYS THAT ARE ALONG THE CONTRACTOR'S HAUL ROUTES AND IMMEDIATELY CLEAN UP MUD OR DEBRIS THAT FALLS ON ANY PAVEMENT OUTSIDE OF THE CONTRACTOR'S LIMITS OF CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION OR HAULING ACTIVITIES.
6. THE CONTRACTOR SHALL LIMIT CLEARING AND LAND DISTURBANCE TO THE MINIMUM NECESSARY TO INSTALL THE PROJECT. PROMPTLY VEGETATIVELY RE-STABILIZE DISTURBED AREAS.

SURVEY CONTROL NOTES

1. THE EXISTING SITE CONDITIONS, FEATURES AND UNDERGROUND UTILITIES SHOWN ARE TO BE TAKEN AS APPROXIMATE AND SUBJECT TO FIELD VERIFICATION. PRIOR TO INITIATING FIELD WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE PROGRAM MANAGER OF ANY DISCREPANCIES THAT WILL AFFECT THE PROJECT.
2. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTS UNLESS NOTED OTHERWISE ON THE DRAWINGS. ANY MONUMENTS THAT ARE DAMAGED OR DISTURBED SHALL BE RESET BY A PROFESSIONAL SURVEYOR LICENSED IN LOUISIANA AT NO ADDITIONAL COST TO THE GOVERNMENT.
4. WHERE INDICATED ON THESE DRAWINGS, THE CONTRACTOR SHALL PROVIDE PROFESSIONAL SURVEYING SERVICES TO LOCATE CERTAIN NEW CONSTRUCTION WITHIN THE AOA, A PROFESSIONAL SURVEYORS REPORT INDICATING FINAL NEW CONSTRUCTION LOCATION SHALL BE PROVIDED TO THE PROGRAM MANAGER.

DEMOLITION AND REMOVAL NOTES

1. THE REMOVAL OF ALL FACILITIES SHALL BE PERFORMED BY THE CONTRACTOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. DISPOSITION OF SALVAGED MATERIAL SHALL BE AT AN ON-AIRPORT LOCATION UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ABBREVATIONS AND GENERAL NOTES

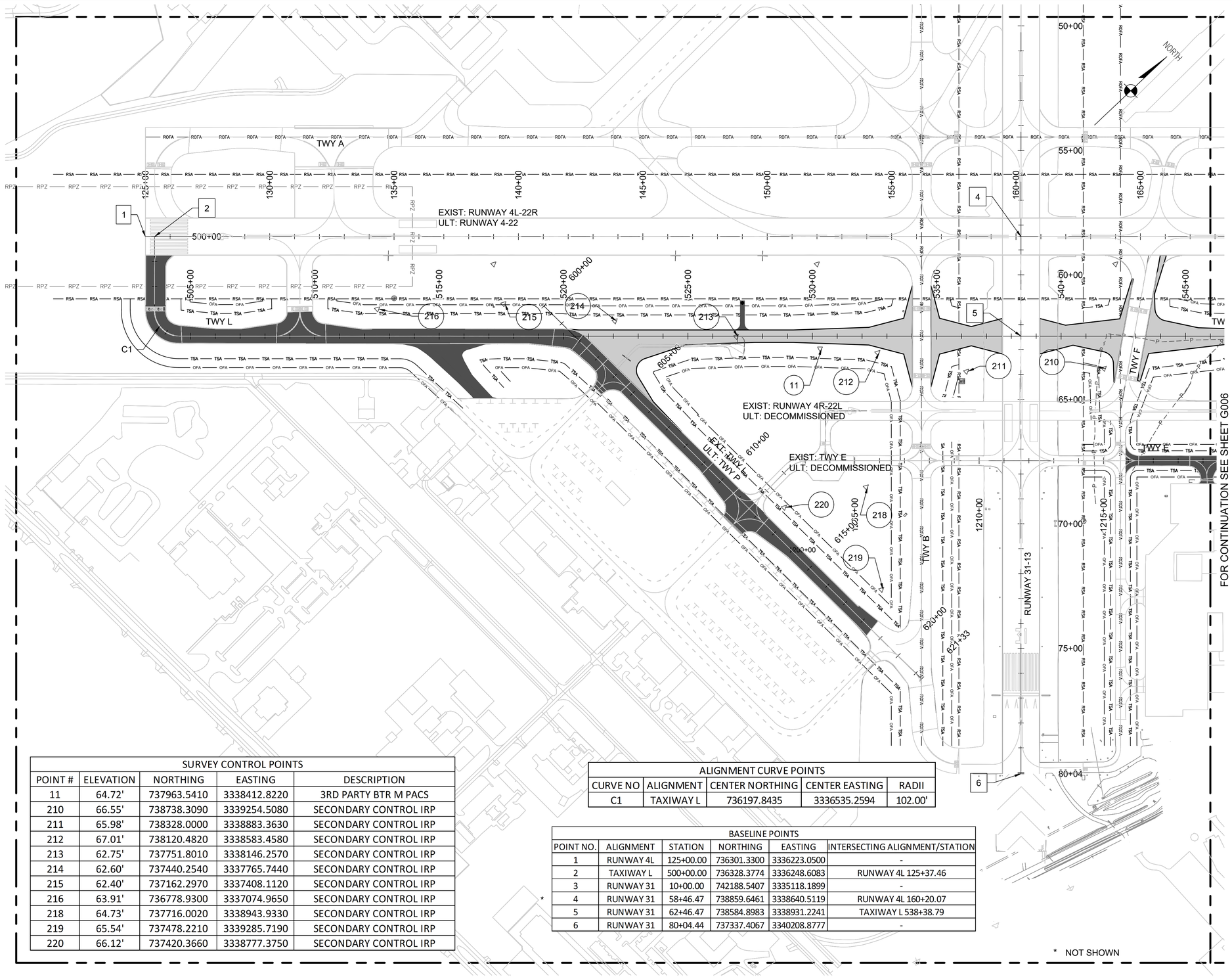
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G004	004

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CADD D3-R4



NOTES:

1. CONTRACTOR SHALL PROTECT ALL CONTROL POINTS. ANY DAMAGE TO THESE CONTROL POINTS SHALL BE REPAIRED AT NO COST TO THE OWNER.
2. CONTRACTOR SHALL VERIFY CONTROL POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
3. REFER TO CONSTRUCTION SAFETY AND PHASING PLANS.
4. SEE SITE PLAN SHEETS AND PROFILE SHEETS FOR MORE INFORMATION ON VEHICLE SERVICE ROAD ALIGNMENTS.

NOTES:

1. HORIZONTAL DATUM: LOUISIANA STATE PLAN COORDINATES SOUTH ZONE US SURVEY FT NAD '83 (2010)
2. VERTICAL CONTROL DATUM:

LEGEND:

- # — SURVEY CONTROL POINT
- # — BASELINE POINT
- C# — CURVE POINT
- SURVEY CONTROL POINTS
- PROPOSED PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED MILL AND OVERLAY

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SURVEY & BASELINE CONTROL PLAN

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 200
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G005	005

SURVEY CONTROL POINTS

POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
11	64.72'	737963.5410	3338412.8220	3RD PARTY BTR M PACS
210	66.55'	738738.3090	3339254.5080	SECONDARY CONTROL IRP
211	65.98'	738328.0000	3338883.3630	SECONDARY CONTROL IRP
212	67.01'	738120.4820	3338583.4580	SECONDARY CONTROL IRP
213	62.75'	737751.8010	3338146.2570	SECONDARY CONTROL IRP
214	62.60'	737440.2540	3337765.7440	SECONDARY CONTROL IRP
215	62.40'	737162.2970	3337408.1120	SECONDARY CONTROL IRP
216	63.91'	736778.9300	3337074.9650	SECONDARY CONTROL IRP
218	64.73'	737716.0020	3338943.9330	SECONDARY CONTROL IRP
219	65.54'	737478.2210	3339285.7190	SECONDARY CONTROL IRP
220	66.12'	737420.3660	3338777.3750	SECONDARY CONTROL IRP

ALIGNMENT CURVE POINTS

CURVE NO	ALIGNMENT	CENTER NORTHING	CENTER EASTING	RADII
C1	TAXIWAY L	736197.8435	3336535.2594	102.00'

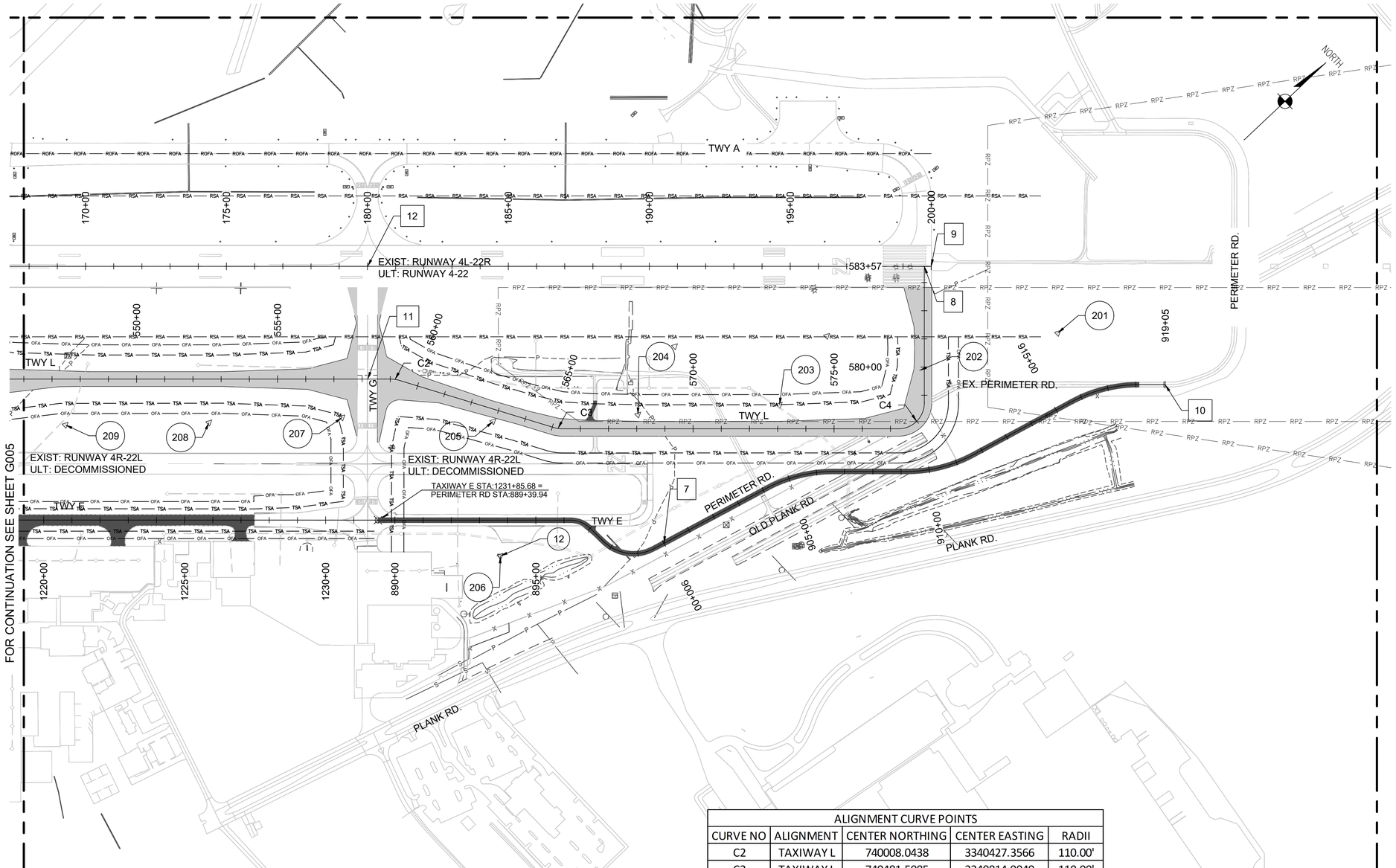
BASELINE POINTS

POINT NO.	ALIGNMENT	STATION	NORTHING	EASTING	INTERSECTING ALIGNMENT/STATION
1	RUNWAY 4L	125+00.00	736301.3300	3336223.0500	-
2	TAXIWAY L	500+00.00	736328.3774	3336248.6083	RUNWAY 4L 125+37.46
3	RUNWAY 31	10+00.00	742188.5407	3335118.1899	-
4	RUNWAY 31	58+46.47	738859.6461	3338640.5119	RUNWAY 4L 160+20.07
5	RUNWAY 31	62+46.47	738584.8983	3338931.2241	TAXIWAY L 538+38.79
6	RUNWAY 31	80+04.44	737337.4067	3340208.8777	-

* NOT SHOWN

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CADD D3—R4



NOTES:

1. CONTRACTOR SHALL PROTECT ALL CONTROL POINTS. ANY DAMAGE TO THESE CONTROL POINTS SHALL BE REPAIRED AT NO COST TO THE OWNER.
2. CONTRACTOR SHALL VERIFY CONTROL POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
3. REFER TO CONSTRUCTION SAFETY AND PHASING PLANS.
4. SEE SITE PLAN SHEETS AND PROFILE SHEETS FOR MORE INFORMATION ON VEHICLE SERVICE ROAD ALIGNMENTS.

NOTES:

1. HORIZONTAL DATUM: LOUISIANA STATE PLAN COORDINATES SOUTH ZONE US SURVEY FT NAD '83 (2010)
2. VERTICAL CONTROL DATUM:

LEGEND:

- # — SURVEY CONTROL POINT
- # — BASELINE POINT
- C# — CURVE POINT
- △ — SURVEY CONTROL POINTS
- PROPOSED PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED MILL AND OVERLAY

SURVEY CONTROL POINTS				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
12	65.73'	739935.6360	3341071.3450	3RD PARTY BTR K SACS
201	64.58	741916.2740	3341854.6310	SECONDARY CONTROL IR
202	62.47'	741469.0160	3341614.3630	SECONDARY CONTROL IRP
203	63.58'	741023.8010	3341361.8340	SECONDARY CONTROL IRP
204	65.12'	740634.8220	3341042.1680	SECONDARY CONTROL IRP
205	65.94'	740244.8040	3340706.6160	SECONDARY CONTROL IRP
206	65.74'	739935.5830	3341071.3920	SECONDARY CONTROL BTRKSACS
207	65.97'	739865.1420	3340328.6780	SECONDARY CONTROL IRP
208	66.18'	739509.6020	3340017.5220	SECONDARY CONTROL IRP
209	65.70'	739133.5450	3339673.5280	SECONDARY CONTROL IRP

ALIGNMENT CURVE POINTS				
CURVE NO	ALIGNMENT	CENTER NORTHING	CENTER EASTING	RADII
C2	TAXIWAY L	740008.0438	3340427.3566	110.00'
C3	TAXIWAY L	740481.5085	3340814.9049	110.00'
C4	TAXIWAY L	741335.0563	3341646.2235	92.00'

BASELINE POINTS					
POINT NO.	ALIGNMENT	STATION	NORTHING	EASTING	INTERSECTING ALIGNMENT/STATION
7	PERIMETER RD.	900+00.00	740388.3573	3341437.3230	-
8	TAXIWAY L	583+57.30	741734.6866	3341357.2602	RUNWAY 4L 199+75.64
9	RUNWAY 4L	200+00.00	741752.5500	3341374.1400	-
10	PERIMETER RD.	919+04.52	742067.4560	3342249.2633	-
11	TAXIWAY L	558+20.36	740025.1700	3340292.2000	-
12	RUNWAY 4L	180+01.05	740299.4900	3340001.0800	-

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SURVEY & BASELINE CONTROL PLAN

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 200'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G006	006

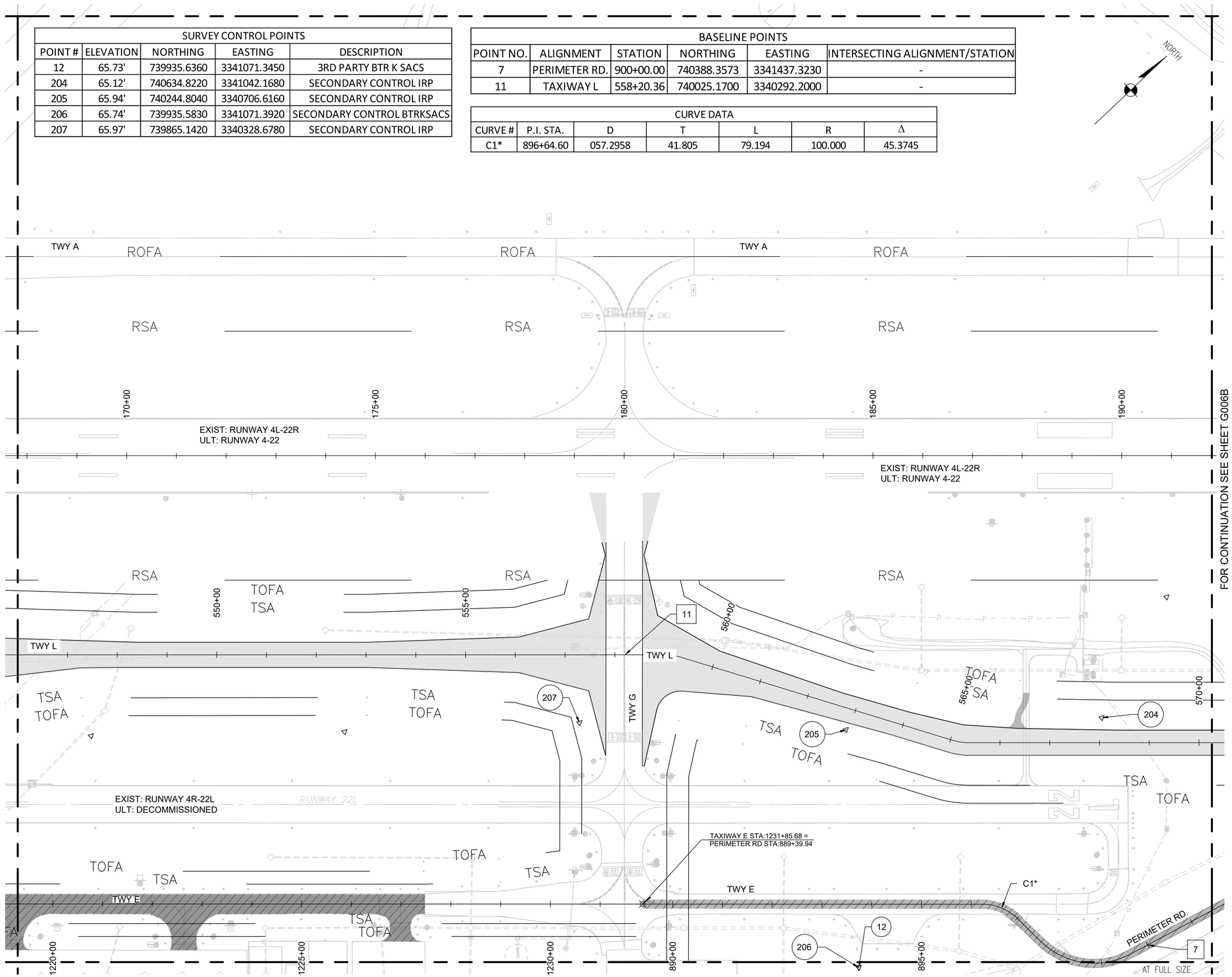
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CADD D3-R4

SURVEY CONTROL POINTS				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
12	65.73'	739935.6360	3341071.3450	3RD PARTY BTR K SACS
204	65.12'	740634.8220	3341042.1680	SECONDARY CONTROL IRP
205	65.94'	740244.8040	3340706.6160	SECONDARY CONTROL IRP
206	65.74'	739935.5830	3341071.3920	SECONDARY CONTROL BTRKSACS
207	65.97'	739865.1420	3340328.6780	SECONDARY CONTROL IRP

BASELINE POINTS					
POINT NO.	ALIGNMENT	STATION	NORTHING	EASTING	INTERSECTING ALIGNMENT/STATION
7	PERIMETER RD.	900+00.00	740388.3573	3341437.3230	-
11	TAXIWAY L	558+20.36	740025.1700	3340292.2000	-

CURVE DATA						
CURVE #	P.I. STA.	D	T	L	R	Δ
C1*	896+64.60	057.2958	41.805	79.194	100.000	45.3745



NOTES:

1. CONTRACTOR SHALL PROTECT ALL CONTROL POINTS. ANY DAMAGE TO THESE CONTROL POINTS SHALL BE REPAIRED AT NO COST TO THE OWNER.
2. CONTRACTOR SHALL VERIFY CONTROL POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
3. REFER TO CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN FOR PROJECT PHASING.
4. SEE SITE PLAN SHEETS AND PROFILE SHEETS FOR MORE INFORMATION ON VEHICLE SERVICE ROAD ALIGNMENTS.

* PROPOSED PERIMETER ROAD SHALL FOLLOW THIS ALIGNMENT & GEOMETRY USING EXISTING PAVEMENT.

NOTES:

1. HORIZONTAL DATUM: LOUISIANA STATE PLAN COORDINATES SOUTH ZONE US SURVEY FT NAD '83 (2010)
2. VERTICAL CONTROL DATUM:

LEGEND:

- # SURVEY CONTROL POINT
- # BASELINE POINT
- SURVEY CONTROL POINTS
- PROPOSED ASPHALT PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED MILL AND OVERLAY

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 40272
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

GEOMETRIC LAYOUT – PERIMETER RD – AREA B3

DESIGNED	C.H.B.
DRAWN	C.H.B.
CHECKED	D.A.C.
APPROVED	D.A.C.
APPROVED	T.A.A.
DATE	6/19/2025

SCALE: 1" = 100'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G006A	7

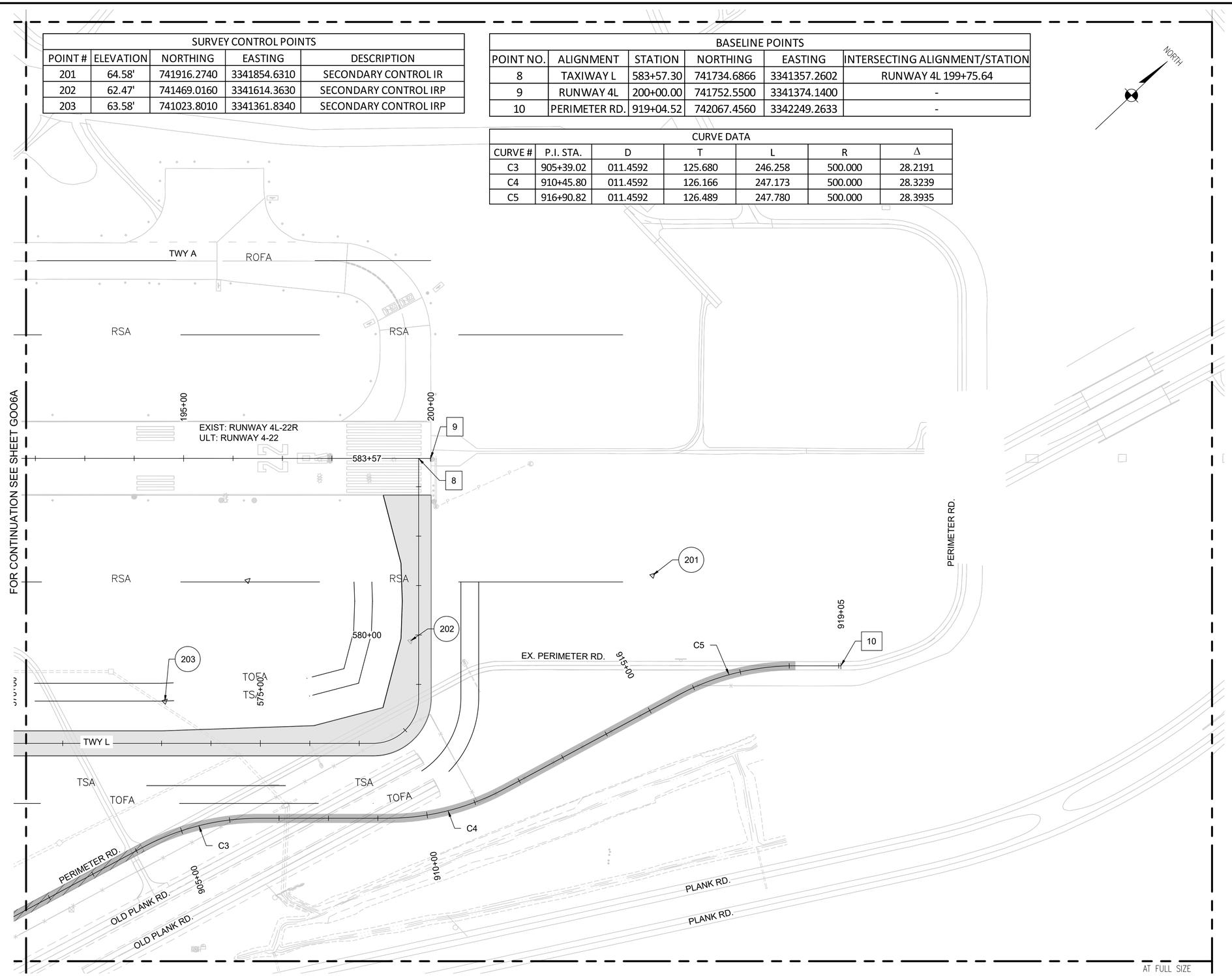
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CADD D3-R4

SURVEY CONTROL POINTS				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
201	64.58'	741916.2740	3341854.6310	SECONDARY CONTROL IR
202	62.47'	741469.0160	3341614.3630	SECONDARY CONTROL IRP
203	63.58'	741023.8010	3341361.8340	SECONDARY CONTROL IRP

BASELINE POINTS					
POINT NO.	ALIGNMENT	STATION	NORTHING	EASTING	INTERSECTING ALIGNMENT/STATION
8	TAXIWAY L	583+57.30	741734.6866	3341357.2602	RUNWAY 4L 199+75.64
9	RUNWAY 4L	200+00.00	741752.5500	3341374.1400	-
10	PERIMETER RD.	919+04.52	742067.4560	3342249.2633	-

CURVE DATA						
CURVE #	P.I. STA.	D	T	L	R	Δ
C3	905+39.02	011.4592	125.680	246.258	500.000	28.2191
C4	910+45.80	011.4592	126.166	247.173	500.000	28.3239
C5	916+90.82	011.4592	126.489	247.780	500.000	28.3935



AT FULL SIZE

0 1 2 3 IN

0 1 2 3 4 5 6 7 8 cm

NOTES:

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2. CONTRACTOR SHALL VERIFY CONTROL POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.
3. REFER TO CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN FOR PROJECT PHASING.
4. SEE SITE PLAN SHEETS AND PROFILE SHEETS FOR MORE INFORMATION ON VEHICLE SERVICE ROAD ALIGNMENTS.

NOTES:

1. HORIZONTAL DATUM: LOUISIANA STATE PLAN COORDINATES SOUTH ZONE US SURVEY FT NAD '83 (2010)
2. VERTICAL CONTROL DATUM:

LEGEND:

- # — SURVEY CONTROL POINT
- # — BASELINE POINT
- △ — SURVEY CONTROL POINTS
- PROPOSED ASPHALT PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED MILL AND OVERLAY

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

GEOMETRIC LAYOUT – PERIMETER RD – AREA B4

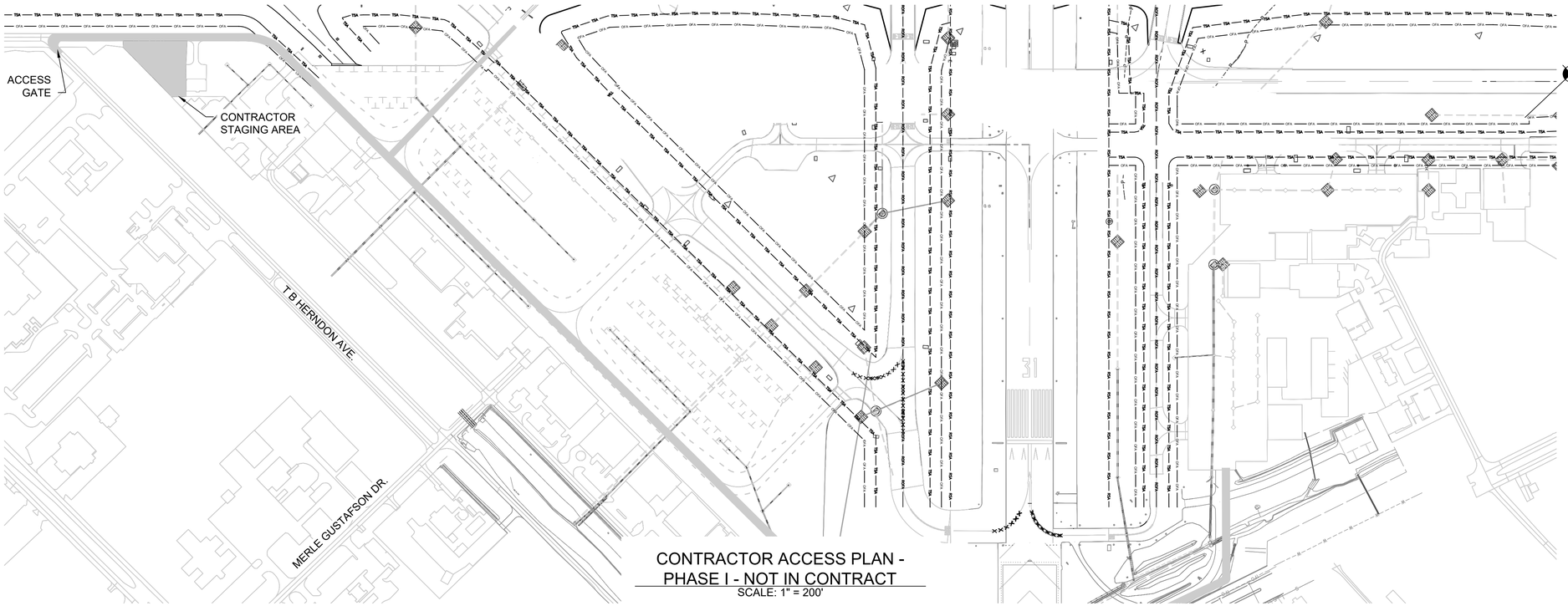
DESIGNED C.H.B.
DRAWN C.H.B.
CHECKED D.A.C.
APPROVED D.A.C.
APPROVED T.A.A.
DATE 6/19/2025

SCALE: 1" = 100'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

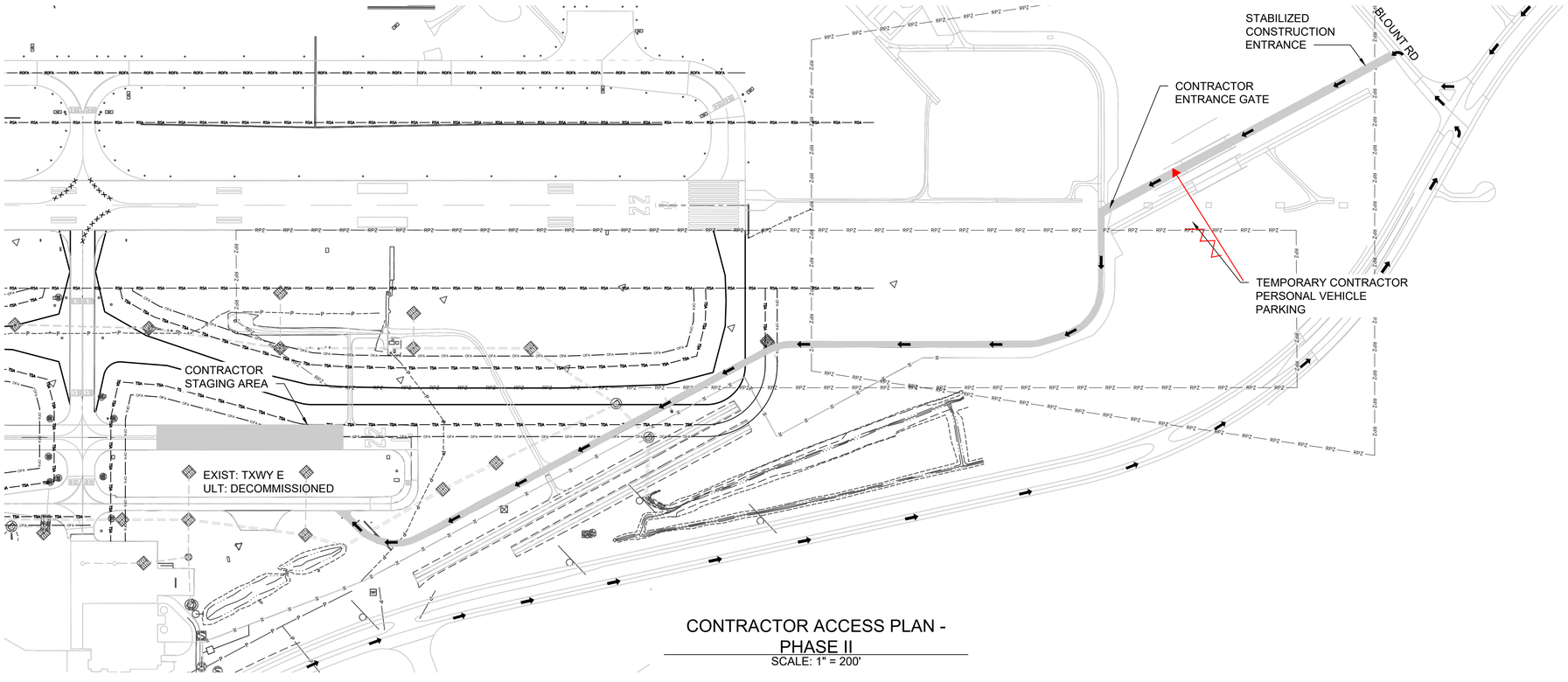
SHEET ID	SHEET NO
G006B	8

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CADD 03-R4



CONTRACTOR ACCESS PLAN - PHASE I - NOT IN CONTRACT
SCALE: 1" = 200'



CONTRACTOR ACCESS PLAN - PHASE II
SCALE: 1" = 200'

NOTES:

1. ALL TRAFFIC SHALL ENTER AND EXIT THROUGH THE CONTRACTOR'S ACCESS GATES. CONTRACTOR SHALL PROVIDE A BADGED GATE GUARD WHO WILL MAINTAIN A LOG OF ALL PERSONS ENTERING AND LEAVING THROUGH THE GATE. THE GATE SHALL BE LOCKED AT ALL TIMES UNLESS THE GATE GUARD IS PRESENT.
2. AREAS OUTSIDE THE PROJECT AREA ARE DESIGNATED AS RESTRICTED. THE CONTRACTOR'S PERSONNEL ARE PROHIBITED FROM ENTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE PROGRAM MANAGER.
3. THE CONSTRUCTION AREA IS ADJACENT TO ACTIVE RUNWAYS, TAXIWAYS, AND PARKING APRONS. A COORDINATED EFFORT IN RESPECT TO AIRCRAFT MOVEMENT, SECURITY, SAFETY AND CONSTRUCTION IS ESSENTIAL. THE MOVEMENT OF AIRCRAFT AND AIRPORT USERS MUST BE ADDRESSED IN THE CONTRACTORS WORK AND SCHEDULE. THE CONTRACTOR SHALL PROVIDE FLAGMEN WHEN CONSTRUCTION TRAFFIC WILL BE CROSSING ACTIVE TAXIWAYS AND TAXILANES. CONTRACTOR SHALL PROVIDE A SWEEPER ON SITE AT ALL TIMES TO KEEP DEBRIS OFF OF ACTIVE PAVEMENTS.
4. ALL VEHICLES USED ON THE AIRFIELD SHALL MEET AIRPORT REQUIREMENTS FOR MARKING AND LIGHTING.
5. SEE SEQUENCE OF CONSTRUCTION SHEETS FOR BARRICADE LOCATIONS.
6. EVERY TIME AN ELECTRICAL CIRCUIT IS DISCONNECTED OR ACTIVATED, A RESPONSIBLE AIRPORT REPRESENTATIVE SHALL BE PRESENT WITH THE ELECTRICAL CONTRACTOR. WHEN A CIRCUIT IS CLOSED, THAT CIRCUIT SHALL BE LOCKED OR ACTIVATED IN THE PRESENCE OF THE ELECTRICAL CONTRACTOR AND THE RESPONSIBLE AIRPORT REPRESENTATIVE.
7. CONTRACTOR SHALL COORDINATE WITH THE LOCAL FAA REPRESENTATIVE AND AIRPORT FIELD MAINTENANCE TO ENSURE ALL UNDERGROUND ELECTRICAL LINES ARE LOCATED PRIOR TO CONSTRUCTION.
8. CONTRACTOR TO PROVIDE AND MAINTAIN TEMPORARY DRIVEWAY. DRIVE TO BE REMOVED AT END OF PROJECT. NO DIRECT PAY.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CONTRACTOR ACCESS PLAN

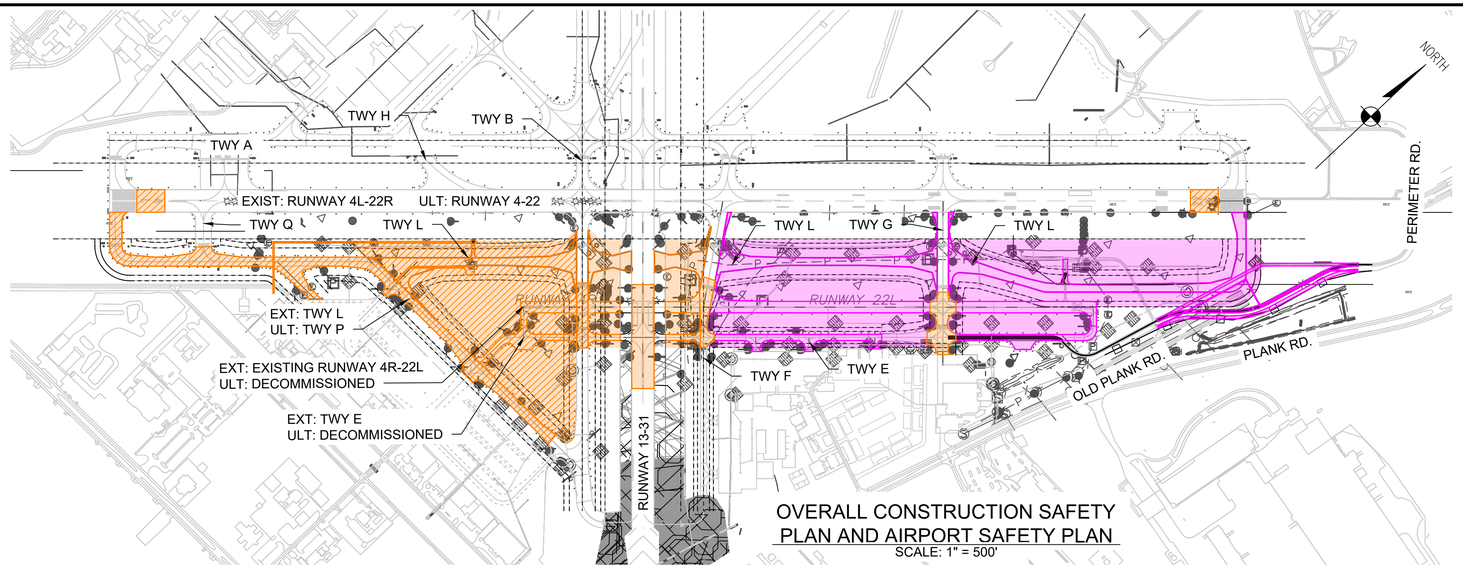
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 200'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G007
SHEET NO: 009

CADD D3-R4

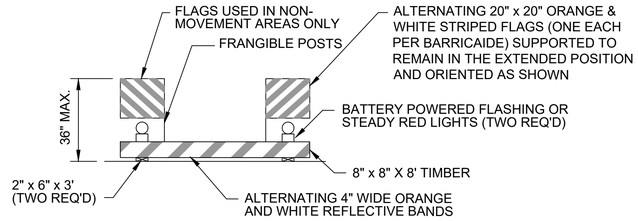
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OVERALL CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN
SCALE: 1" = 500'

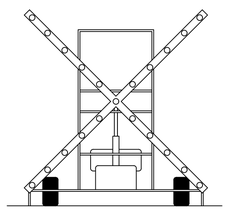
LEGEND:

1 / G008	LOW PROFILE BARRICADE
2 / G008	PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
3 / G008	CLOSED RUNWAY MARKING
4 / G008	CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
5 / G008	CONSTRUCTION TRAFFIC STOP SIGN
	PHASE I (NOT IN CONTRACT)
	PHASE II



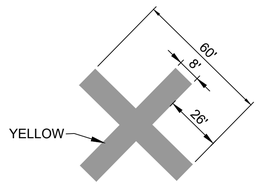
1 / G008 LOW PROFILE BARRICADE
N.T.S.

(TO BE PLACED AS REQUIRED BY PROJECT ENGINEER)



2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
N.T.S.

1. THE CONTRACTOR SHALL FURNISH TWO (2) LIGHTED RUNWAY CLOSURE MARKERS, SHERWIN INDUSTRIES OR EQUAL, THAT MEETS OR EXCEEDS FAA TECHNICAL REPORT DOT/FAA/CT-TN87/3, OR LATEST UPDATE, FOR THE DURATION OF THE PROJECT. LIGHTED "X" RUNWAY CLOSURE MARKERS TO BE PAID FOR UNDER ITEM S-1000. ⚠1
2. CONTRACTOR SHALL OPERATE AND MAINTAIN THE RUNWAY MARKERS IN GOOD CONDITION ON A DAILY BASIS AND PROVIDE ALL FUEL, LUBRICANTS AND REPLACEMENT BULBS (UL TESTED AND APPROVED) FOR THE DURATION OF THE PROJECT.



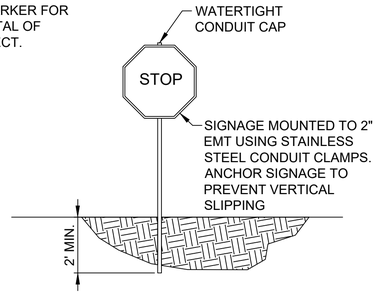
3 / G008 CLOSED RUNWAY MARKING DETAIL
N.T.S.

1. CROSS TO BE DESIGNED TO BE SUBMITTED FOR APPROVAL.
2. CONTRACTOR TO PROVIDE ONE (1) MARKER FOR EACH END OF THE RUNWAY FOR A TOTAL OF TWO(2). FOR DURATION OF THE PROJECT.



4 / G008 TEMPORARY CONSTRUCTION SIGNAGE
N.T.S.

1. SIGNAGE DIMENSIONS SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE MUTCD.
2. ALL COSTS ASSOCIATED WITH SIGN INSTALLATION AND MAINTENANCE WILL NOT BE MEASURED FOR SEPARATE PAVEMENT BUT SHALL BE SUBSIDIARY TO ITEM S-1000 CONSTRUCTION SAFETY AND PHASING PLAN. ⚠1
3. SIGNS SHALL BE INSTALLED AT THE BEGINNING OF EACH WORK SHIFT AND REMOVED AT THE END OF EACH WORK SHIFT.



5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
N.T.S.

1. STOP SIGN SHALL BE RETROREFLECTIVE.
2. CONTRACTOR SHALL SUBMIT SIGN DIMENSIONS FOR APPROVAL PRIOR TO CONSTRUCTION.
3. CONSTRUCTION TRAFFIC STOP SIGN WILL BE CONSIDERED SUBSIDIARY TO ITEM S-1000 CONSTRUCTION SAFETY AND PHASING PLAN. ⚠1
4. CONSTRUCTION VEHICULAR TRAFFIC AT THE STOP SIGN SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
5. SIGN SHALL CONFIRM TO THE MOST RECENT EDITION OF FHWA'S MUTCD

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED REFRENCE TO S-1000	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

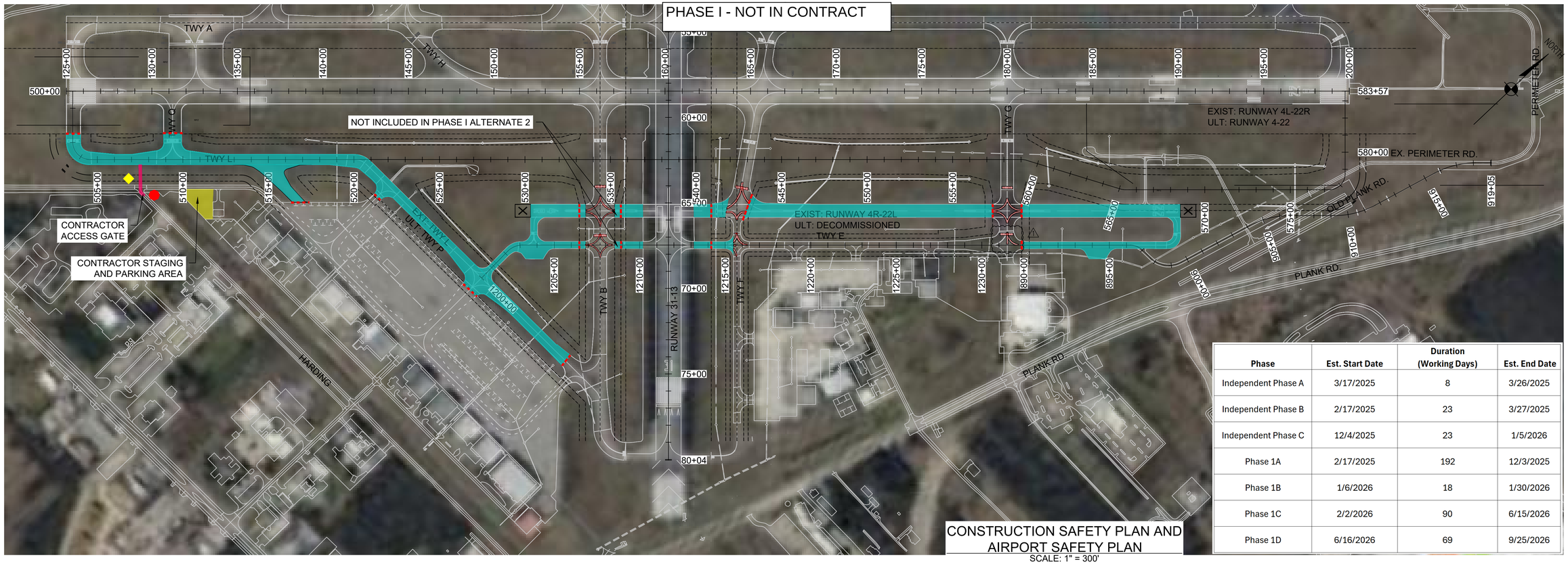
OVERALL CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/2025

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G008	010

CADD D3-R4
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CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN
SCALE: 1" = 300'

Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
Phase 1A	2/17/2025	192	12/3/2025
Phase 1B	1/6/2026	18	1/30/2026
Phase 1C	2/2/2026	90	6/15/2026
Phase 1D	6/16/2026	69	9/25/2026

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. RVR RELOCATION PHASING IS SUGGESTED AND CAN BE ADJUSTED BASED ON FAA DIRECTION.
9. PAVEMENT MARKING REMOVAL AT INTERSECTIONS TO BE COORDINATED WITH BTR OPS AND FBO TENANTS TO ALLOW FOR SHORT DURATION CLOSURES.
10. A BTR OPS TECHNICIAN SHALL BE PRESENT TO MONITOR ALL ACTIVE TAXIWAY CROSSINGS. CONTRACTOR TO COORDINATE WITH BTR OPS.

INDEPENDENT PHASE A - DECOMMISSION GA RUNWAY 4R-22L, TAXIWAY P, TAXIWAY E FROM TAXIWAY P TO RUNWAY 13-31

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.4. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.4.1. TAXIWAY L (ULTIMATE TAXIWAY P)."
     - 1.4.2. TAXIWAY P (DECOMMISSIONED)."
     - 1.4.3. TAXIWAY E FROM TAXIWAY P TO RUNWAY 13-31."
     - 1.4.4. TAXIWAY B AT GA RUNWAY 4R-22L AND TAXIWAY E."
     - 1.4.5. TAXIWAY F AT GA RUNWAY 4R-22L AND TAXIWAY E."
     - 1.4.6. TAXIWAY G AT GA RUNWAY 4R-22L AND TAXIWAY E."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. UNDER DIRECTION AND OVERSIGHT FROM BTR OPERATIONS, PERFORM PHASE I PAVEMENT MARKING REMOVAL WORK:
   - 4.1. REMOVE SURFACE PAINTED SIGNS AND CENTERLINE MARKINGS ON TAXIWAY B FOR RUNWAY 4R-22L AND TAXIWAY E.
   - 4.2. REMOVE SURFACE PAINTED SIGNS AND CENTERLINE MARKINGS ON TAXIWAY F FOR RUNWAY 4R-22L AND TAXIWAY E.
   - 4.3. REMOVE SURFACE PAINTED SIGNS AND CENTERLINE MARKINGS ON TAXIWAY G FOR RUNWAY 4R-22L AND TAXIWAY E.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM EXCEPT THE FOLLOWING:
   - 7.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

1. (CONTINUED). ISSUE NOTAM STATING:
   - 1.5. "TAXIWAY L FROM 4R-22L TO TAXIWAY B TEMPORARILY CLOSED FOR CONSTRUCTION ACTIVITIES."

LEGEND:

- * WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- * PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- * PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- * PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- * NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
- * NOT USED THIS SHEET

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
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2/14/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
2	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE A

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED
APPROVED
DATE 12/22/23

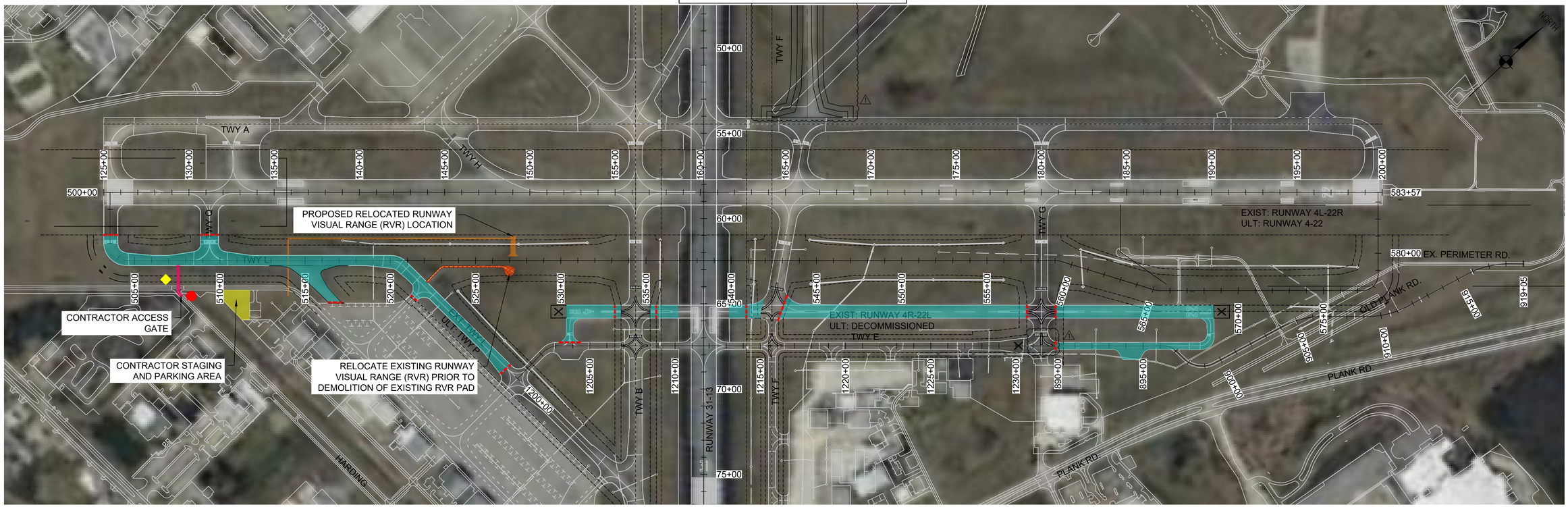
SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G009 I
SHEET NO: 10a

CADD D3-R4

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PHASE I - NOT IN CONTRACT



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

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2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. RVR RELOCATION PHASING IS SUGGESTED AND CAN BE ADJUSTED BASED ON FAA DIRECTION.
9. PAVEMENT MARKING REMOVAL AT INTERSECTIONS TO BE COORDINATED WITH BTR OPS AND FBO TENANTS TO ALLOW FOR SHORT DURATION CLOSURES.

INDEPENDENT PHASE B - RUNWAY 22R ROLLOUT RVR RELOCATION (TO BE PERFORMED UNDER SUPERVISION OF FAA RESIDENT INSPECTION)

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G O RUNWAY 4R-22L."
   - 1.4. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.4.1. TAXIWAY L (ULTIMATE TAXIWAY P)."
     - 1.4.2. RUNWAY 4L-22R."
2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM RUNWAY 22R ROLLOUT RVR RELOCATION WORK:
   - 4.1. CONSTRUCT EARTHWORK, GRADING, CONCRETE FOUNDATION, PAVED ACCESS ROAD AND OTHER ASSOCIATED WORK FOR RELOCATION OF RUNWAY 22R ROLLOUT RVR.
   - 4.2. CONSTRUCT NEW CONDUIT, PULL BOXES, CONTROL PANEL, AND MOUNTING RACK.
   - 4.3. RELOCATE RUNWAY 22R ROLLOUT RVR.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM'S EXCEPT THE FOLLOWING:
   - 7.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

1. (CONTINUED). ISSUE NOTAM STATING:
   - 1.5. "TAXIWAY L FROM 4R-22L TO TAXIWAY B TEMPORARILY CLOSED FOR CONSTRUCTION ACTIVITIES."

Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
Phase 1A	2/17/2025	192	12/3/2025
Phase 1B	1/6/2026	18	1/30/2026
Phase 1C	2/2/2026	90	6/15/2026
Phase 1D	6/16/2026	69	9/25/2026

LEGEND:

- * WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- * PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- * PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- * PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- * NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 G008 LOW PROFILE BARRICADE
- 2 G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 G008 CLOSED RUNWAY MARKING
- 4 G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 G008 CONSTRUCTION TRAFFIC STOP SIGN
- * NOT USED THIS SHEET

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
2/14/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
2	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE B

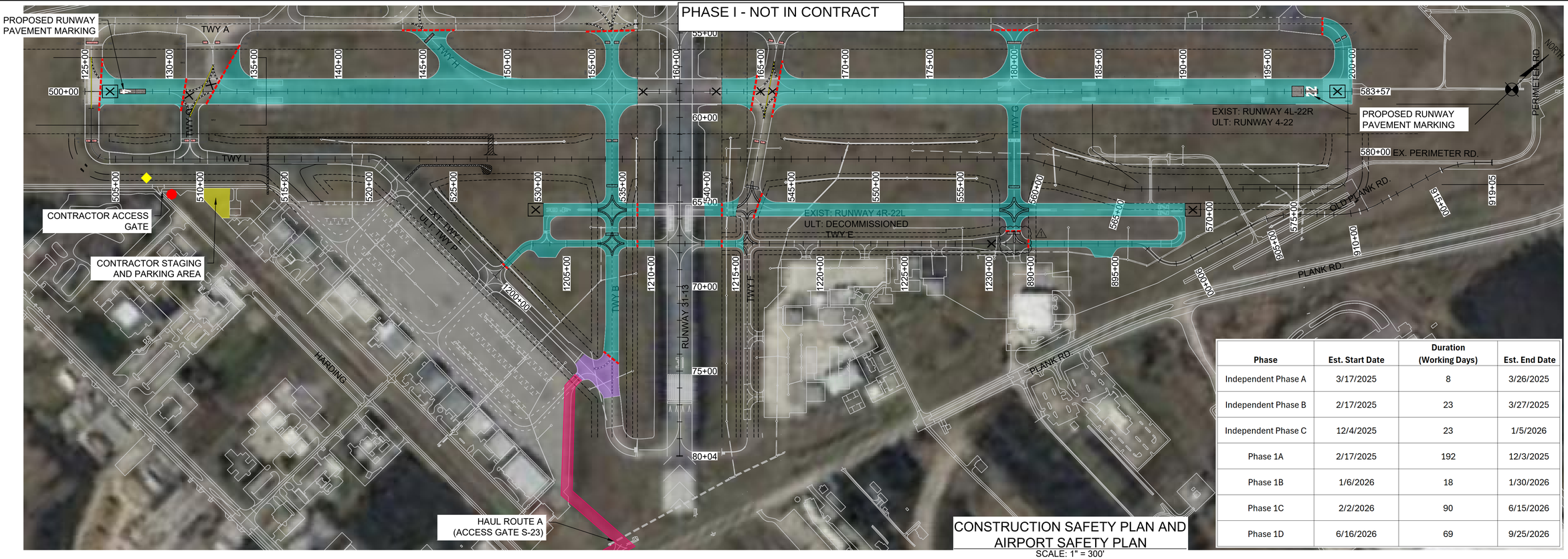
DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	
APPROVED	
DATE	12/22/23

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G010 I
SHEET NO: 10b

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CADD D3-R4



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN
SCALE: 1" = 300'

Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
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Phase 1D	6/16/2026	69	9/25/2026

PHASE NOTES

GENERAL NOTES:

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3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
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9. PAVEMENT MARKING REMOVAL AT INTERSECTIONS TO BE COORDINATED WITH BTR OPS AND FBO TENANTS TO ALLOW FOR SHORT DURATION CLOSURES.
10. A BTR OPS TECHNICIAN SHALL BE PRESENT TO MONITOR ALL ACTIVE TAXIWAY CROSSINGS. CONTRACTOR TO COORDINATE WITH BTR OPS.

INDEPENDENT PHASE C - RUNWAY 4L-22R DESIGNATED TO RUNWAY 4-22 AND RELATED PAVEMENT MARKINGS AND SIGNING (TO BE COMPLETED AFTER FAA APPROVAL AND ISSUANCE OF REVISED FLIGHT PROCEDURES)

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.5. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED AS RUNWAY 4-22."
   - 1.6. "TAXIWAY B CLOSED FROM TAXIWAY L TO TAXIWAY A."
   - 1.7. "TAXIWAY G CLOSED FROM TAXIWAY E TO TAXIWAY A."
   - 1.8. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.8.1. RUNWAY 4-22."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM RUNWAY 4-22 PAVEMENT MARKING WORK:
   - 4.1. REMOVE "4L" MARKING AND REPLACE WITH "4". REMOVE "22R" MARKING AND REPLACE WITH "22".
   - 4.2. REMOVE AND REPLACE RUNWAY 4-22 CENTERLINE MARKINGS.
   - 4.3. REMOVE AND REPLACE RUNWAY 4L-22R SIGNS WITH RUNWAY 4-22 SIGNS.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM EXCEPT THE FOLLOWING:
   - 7.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 7.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

1 (CONTINUED). ISSUE NOTAM STATING:
- 1.5. "RUNWAY 4L-22R TEMPORARILY CLOSED FOR PAVEMENT MARKING REMOVAL"

LEGEND:

- * WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- * PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- * PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- * PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- * NON-MOVEMENT AREA
- ********* PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 G008 LOW PROFILE BARRICADE
- 2 G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
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STATE OF LOUISIANA
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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE C

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED
APPROVED
DATE 12/22/23

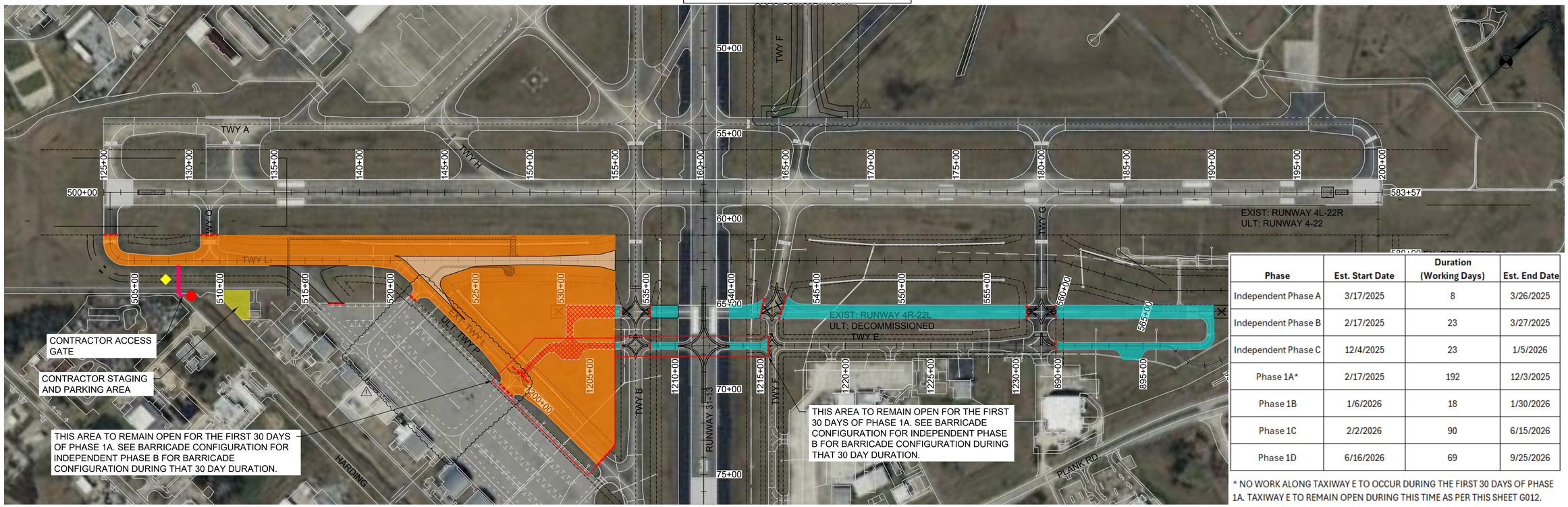
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PHASE I - NOT IN CONTRACT



Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
Phase 1A*	2/17/2025	192	12/3/2025
Phase 1B	1/6/2026	18	1/30/2026
Phase 1C	2/2/2026	90	6/15/2026
Phase 1D	6/16/2026	69	9/25/2026

* NO WORK ALONG TAXIWAY E TO OCCUR DURING THE FIRST 30 DAYS OF PHASE 1A. TAXIWAY E TO REMAIN OPEN DURING THIS TIME AS PER THIS SHEET G012.

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE IA - MILL AND OVERLAY EXISTING TAXIWAY L FROM RUNWAY 4L-22R TO TAXIWAY B; SITE WORK OUTSIDE OF SAFETY AREAS

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.5. "TAXIWAY L CLOSED FROM RUNWAY 4L-22R TO TAXIWAY B."
   - 1.6. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.6.1. TAXIWAY L (ULTIMATE TAXIWAY P)."
     - 1.6.2. TAXIWAY P (DECOMMISSIONED)."
     - 1.6.3 RUNWAY 4-22."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM PHASE IA WORK:
   - 4.1. MILL, OVERLAY AND REMARK TAXIWAY L FROM 4L TO TAXIWAY B.
   - 4.2. REMOVE GA RUNWAY 4R-22L AND TAXIWAY E PAVEMENT FROM TAXIWAY L EDGE OF PAVEMENT (ULTIMATE TAXIWAY P) TO TAXIWAY B TOFA.
   - 4.3. PERFORM SITE GRADING, INSTALL DRAINAGE, AND CONSTRUCT NEW TAXIWAY L PAVEMENT. NOTE, IF RUNWAY 4-22 ROLLOUT RVR HAS NOT YET BEEN RELOCATED, CONTRACTOR TO TAKE CARE WORKING NEAR RVR AND NOT TO DISTURB OR DESTROY EQUIPMENT.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM'S EXCEPT FOR THE FOLLOWING:
   - 7.1. ""RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 7.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- * REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
- * NOT USED THIS SHEET

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
2/14/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
2	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IA

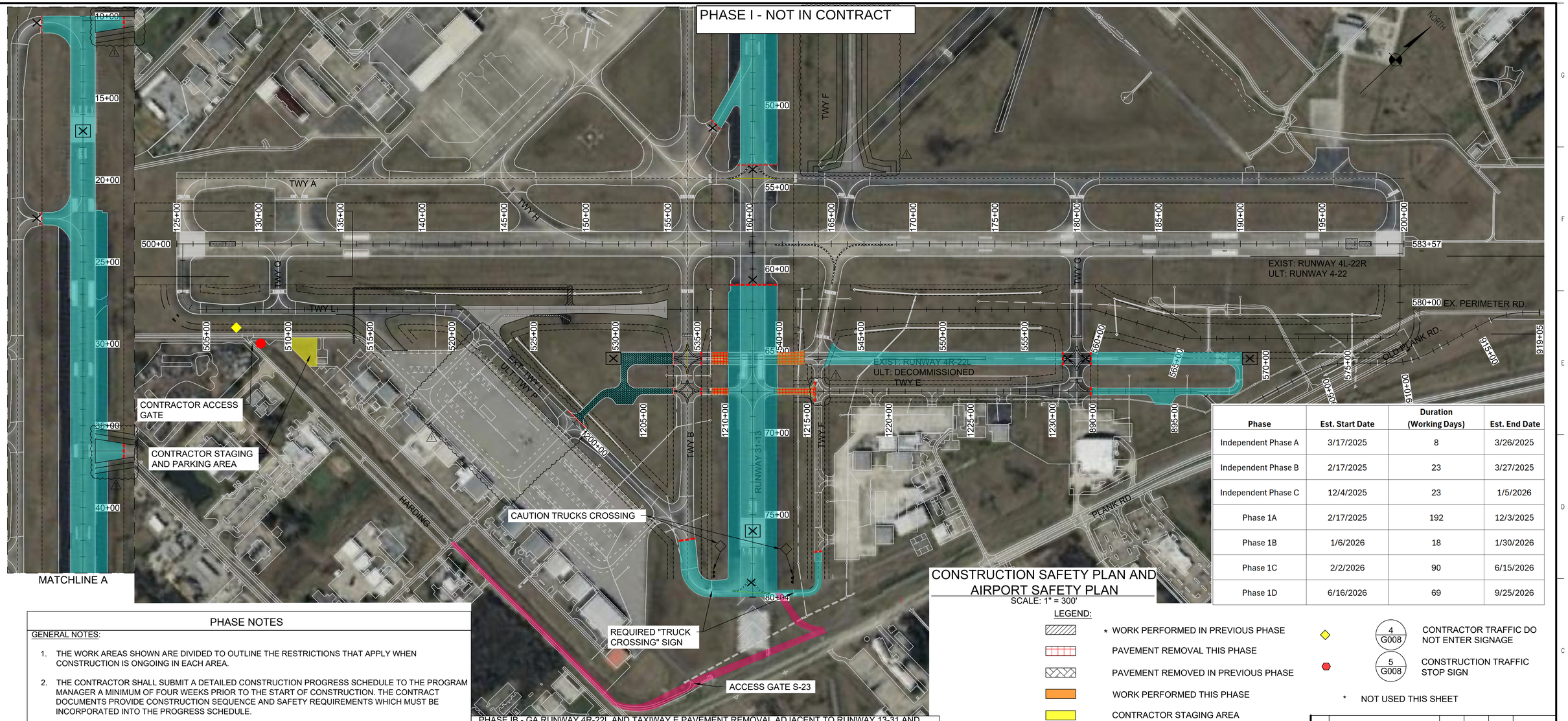
DESIGNED W.T.B.
DRAWN R.B.
CHECKED B.S.R.
APPROVED
APPROVED
DATE 12/22/23

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G012 | SHEET NO: 10d

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CADD D3-R4



Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
Phase 1A	2/17/2025	192	12/3/2025
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Phase 1D	6/16/2026	69	9/25/2026

PHASE NOTES

GENERAL NOTES:

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2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. PAVEMENT MARKING REMOVAL AT INTERSECTIONS TO BE COORDINATED WITH BTR OPS AND FBO TENANTS TO ALLOW FOR SHORT DURATION CLOSURES.
9. THE SHORT DURATION CLOSURE OF TAXIWAY F DUE TO THE REMOVAL OF TAXIWAY E PAVEMENT WITHIN THE TAXIWAY F TSA TO BE COORDINATED WITH BTR OPS.

PHASE IB - GA RUNWAY 4R-22L AND TAXIWAY E PAVEMENT REMOVAL ADJACENT TO RUNWAY 13-31 AND TAXIWAY F

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.5. "RUNWAY 13-31 CLOSED FOR ARRIVALS AND DEPARTURES, EXCEPT FOR CROSSING AT 31 END."
   - 1.6. "TAXIWAY F CLOSED FROM DECOMMISSIONED RUNWAY 4R-22L TO RUNWAY 4L-22R."
   - 1.7. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.7.1. RUNWAY 13-31."
     - 1.7.2. TAXIWAY E AT INTERSECTION OF RUNWAY 13-31 AND TAXIWAY F."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM PHASE IB WORK:
   - 4.1. REMOVE GA RUNWAY 4R-22L AND TAXIWAY E PAVEMENT FROM WITHIN RUNWAY 13-31 RSA TO TAXIWAY F EDGE OF PAVEMENT.
   - 4.2. REMOVE RUNWAY 13-31 LEAD IN LINES TO TAXIWAY E.
   - 4.3. REMOVE SURFACE PAINTED SIGNS AND CENTERLINES ON TAXIWAY F AT THE INTERSECTION OF TAXIWAY E AND RUNWAY 4R-22L (WHERE PAVEMENT REMAINS.)
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM'S EXCEPT FOR THE FOLLOWING:
   - 7.1. ""RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 7.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

LEGEND:

- * WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- ******** PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
- * NOT USED THIS SHEET

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
2/14/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IB

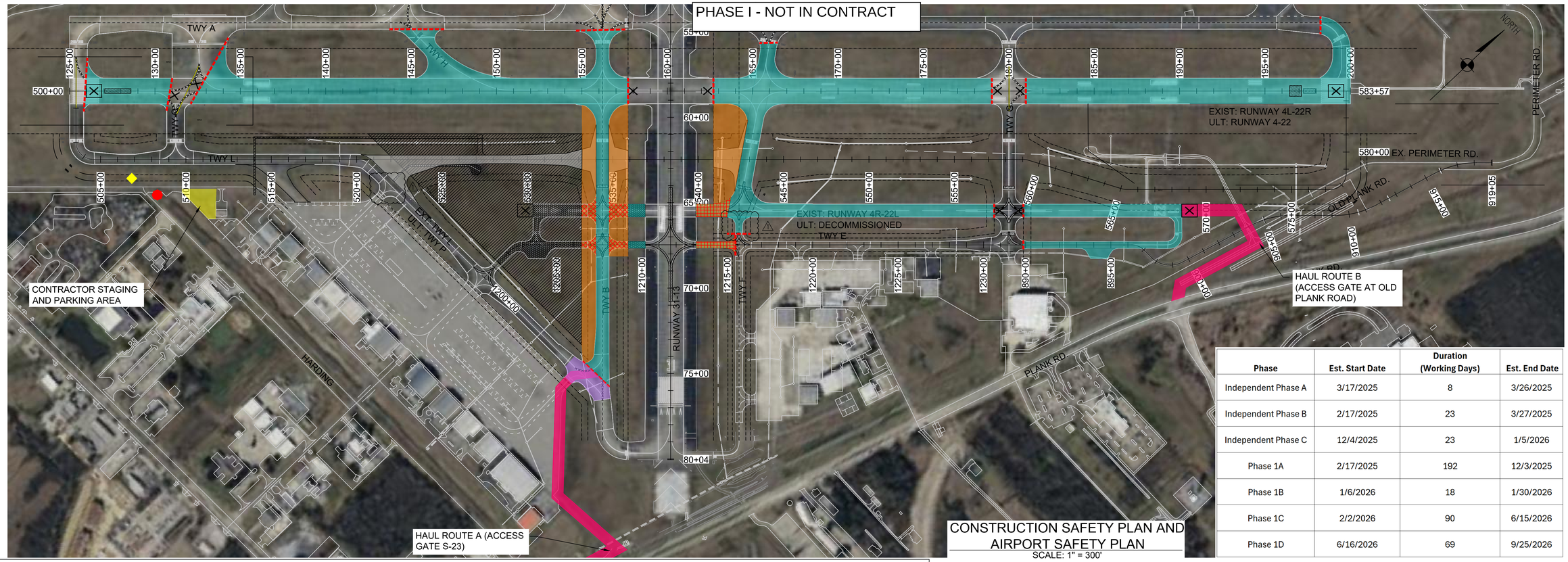
DESIGNED W.T.B.
DRAWN R.B.
CHECKED B.S.R.
APPROVED
APPROVED
DATE 12/22/23

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID G013 | SHEET NO 10e

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CADD D3—R4



Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
Phase 1A	2/17/2025	192	12/3/2025
Phase 1B	1/6/2026	18	1/30/2026
Phase 1C	2/2/2026	90	6/15/2026
Phase 1D	6/16/2026	69	9/25/2026

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN
SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. A BTR OPS TECHNICIAN SHALL BE PRESENT TO MONITOR ALL ACTIVE TAXIWAY CROSSING. CONTRACTOR TO COORDINATE WITH BTR OPS.

PHASE IC - PAVEMENT REMOVAL AND NEW TAXIWAY L PAVEMENT IN TAXIWAY B AND TAXIWAY F SAFETY AREAS

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.5. "RUNWAY 4L-22R CLOSED FOR ARRIVALS AND DEPARTURES, WHILE WORK IS OCCURRING WITHIN RSA, EXCEPT FOR CROSSING AT 4R END."
   - 1.6. "TAXIWAY B CLOSED FROM TAXIWAY L TO TAXIWAY A."
   - 1.7. "TAXIWAY F CLOSED FROM DECOMMISSIONED RUNWAY 4R-22L TO TAXIWAY A."
   - 1.8. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.8.1. RUNWAY 4L-22R."
     - 1.8.2. TAXIWAY B."
     - 1.8.3. TAXIWAY F."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM PHASE IC WORK:
   - 4.1. REMOVE GA RUNWAY 4R-22L AND TAXIWAY E PAVEMENT FROM WITHIN TAXIWAY B SAFETY AREAS AND TAXIWAY F SOUTHERN SAFETY AREAS.
   - 4.2. PERFORM SITE GRADING, INSTALL DRAINAGE, AND CONSTRUCT NEW TAXIWAY L PAVEMENT WITHIN TAXIWAY B SAFETY AREAS AND TAXIWAY F SOUTHERN SAFETY AREA.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM'S EXCEPT FOR THE FOLLOWING:
   - 7.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 7.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- * REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- * PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- ********* PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
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- 1/G008 LOW PROFILE BARRICADE
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NO.	REVISIONS	DSGN	CHKD	APVD	DATE
2	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PHASE IC

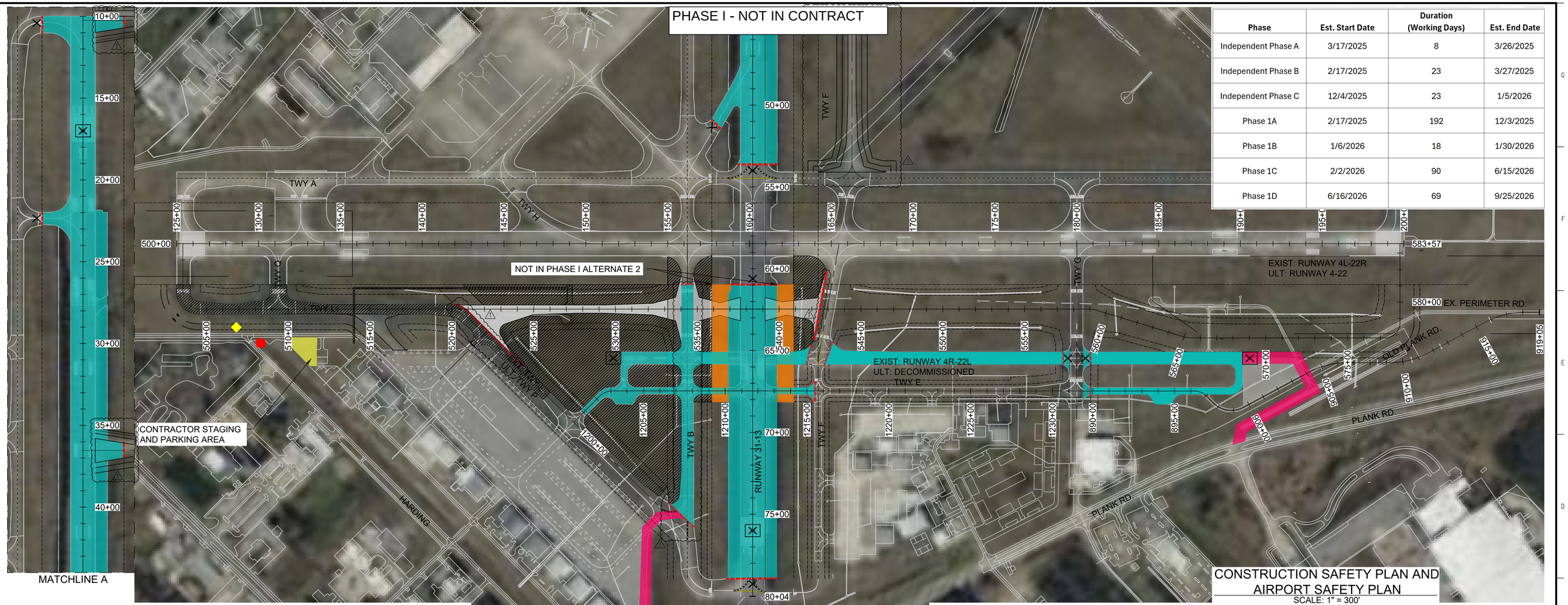
DESIGNED W.T.B.
DRAWN R.B.
CHECKED B.S.R.
APPROVED
APPROVED
DATE 12/22/23

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID G014 | SHEET NO 10f

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CADD D3-R4



Phase	Est. Start Date	Duration (Working Days)	Est. End Date
Independent Phase A	3/17/2025	8	3/26/2025
Independent Phase B	2/17/2025	23	3/27/2025
Independent Phase C	12/4/2025	23	1/5/2026
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CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

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5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS. NEW TEMPORARY STRIPING SHALL BE MARKED AS SHOWN IN THE CSPP SHEETS.
6. MARKINGS DESIGNATED FOR TEMPORARY REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. A BTR OPS TECHNICIAN SHALL BE PRESENT TO MONITOR ALL ACTIVE TAXIWAY CROSSINGS. CONTRACTOR TO COORDINATE WITH BTR OPS.

PHASE ID - NEW TAXIWAY L PAVEMENT IN RUNWAY 13-31 SAFETY AREAS

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 1.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 1.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."
   - 1.5. "RUNWAY 13-31 CLOSED FOR ARRIVALS AND DEPARTURES, EXCEPT FOR CROSSING AT 31 END."
   - 1.6. "TAXIWAY B CLOSED FROM TAXIWAY L TO RUNWAY 4L-22R."
   - 1.7. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.7.1. RUNWAY 13-31."
2. INSTALL CONSTRUCTION SIGNAGE.
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS AND TAXIWAY LIGHT COVERS.
4. PERFORM PHASE ID WORK:
   - 4.1. PERFORM SITE GRADING, INSTALL DRAINAGE, AND CONSTRUCT NEW TAXIWAY L PAVEMENT WITHIN RUNWAY 13-31 SAFETY AREAS.
5. PERFORM CLEANUP.
6. REMOVE OR RELOCATE CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS AND RUNWAY AND TAXIWAY LIGHT COVERS AS APPROPRIATE IN PREPARATION OF NEXT PHASE.
7. REMOVE NOTAM'S EXCEPT FOR THE FOLLOWING:
   - 7.1. ""RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES."
   - 7.2. "TAXIWAY P PERMANENTLY CLOSED."
   - 7.3. "TAXIWAY L FROM 4L TO TAXIWAY B PERMANENTLY REDESIGNATED TO TAXIWAY P."
   - 7.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY L TO TAXIWAY F AND FROM TAXIWAY G TO RUNWAY 4R-22L."

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- * PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- * CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- * REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- ******** PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
- * NOT USED THIS SHEET

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
2/14/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	CSPP MISCELLANEOUS REVISIONS	A.J.F.	B.S.R.	A.J.F.	02/07/2025
1	CSPP MISCELLANEOUS REVISIONS	W.T.B.	K.A.L.	B.S.R.	12/23/2024

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE 1D

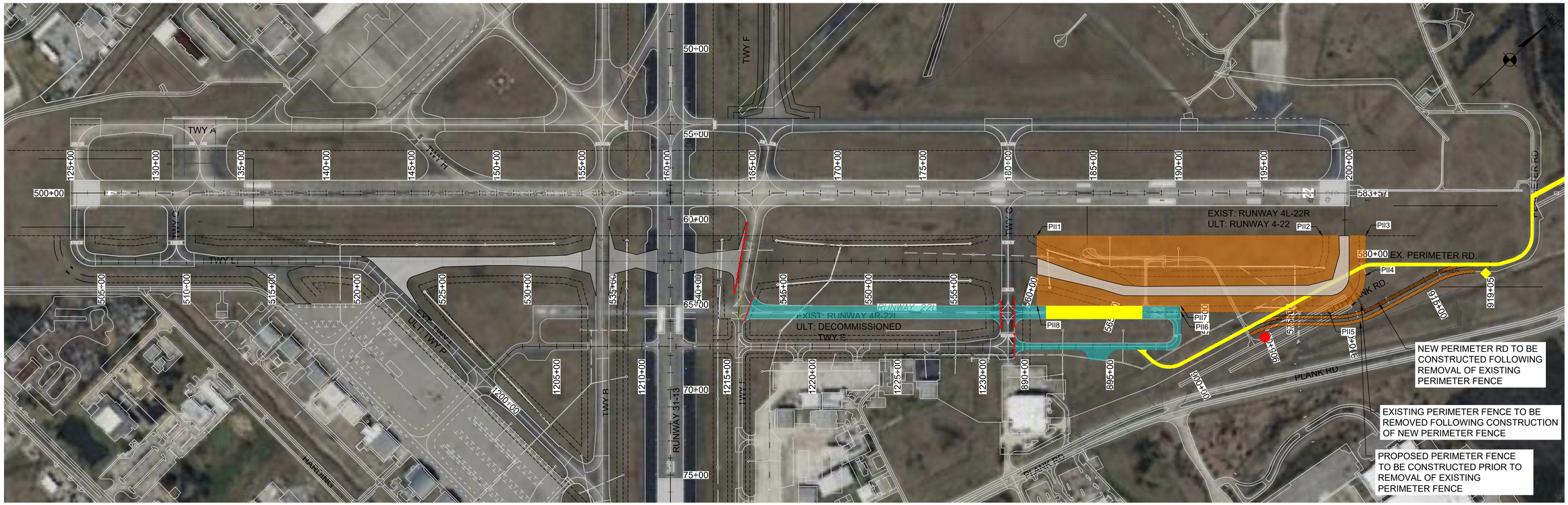
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	DATE

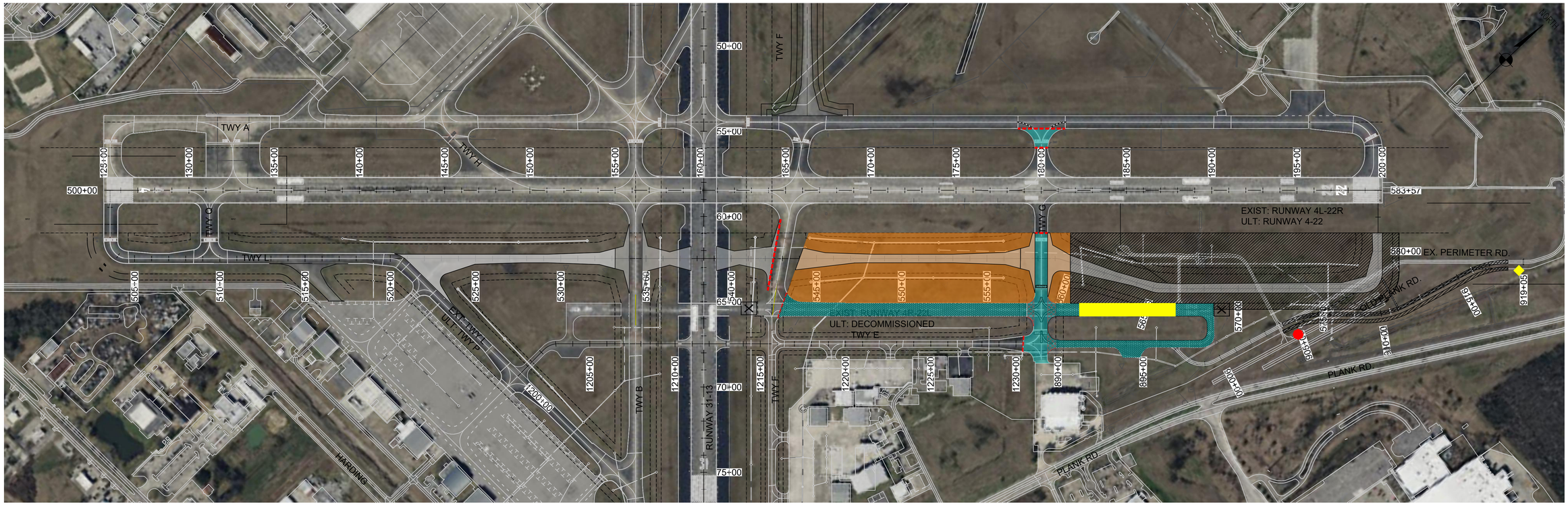
SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G015 I
SHEET NO: 10g

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CADD D3-R4


TWY A
TWY F
TWY H
TWY C
TWY L
TWY B
TWY E
TWY P
RUNWAY 31-13
RUNWAY 22L
EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22
EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED
EXIST. TWY P
ULT: TWY P
PLANK RD.
EX. PERIMETER RD.
MARKING
NORTH
500+00
50+00
55+00
60+00
65+00
70+00
75+00
125+00
130+00
135+00
140+00
145+00
150+00
155+00
160+00
165+00
170+00
175+00
180+00
185+00
190+00
195+00
200+00
505+00
510+00
515+00
520+00
525+00
530+00
535+00
540+00
545+00
550+00
555+00
560+00
565+00
570+00
575+00
580+00
583+37
585+00
590+00
595+00
600+00
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665+00
670+00
675+00
680+00
685+00
690+00
695+00
700+00
705+00
710+00
715+00
720+00
725+00
730+00
735+00
740+00
745+00
750+00
755+00
760+00
765+00
770+00
775+00
780+00



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS.
6. MARKINGS DESIGNATED FOR REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE IIB - STA 556+80 TO STA 544+40

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"
   - 1.6. "TAXIWAY G CLOSED"
   - 1.7. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.7.1. TAXIWAY G"
     - 1.7.2. TAXIWAY E"
2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE II SITE WORK:
   - 4.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L FROM TAXIWAY G NORTHERN TOFA TO TAXIWAY G NORTHERN EOP.
   - 4.2. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L BETWEEN TAXIWAY G SOUTHERN EOP TO TAXIWAY F NORTHERN TOFA.
   - 4.3. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4R-22L OUTSIDE OF TAXIWAY F TOFA LIMIT, TAXIWAY G, AND RUNWAY 4-22 RSA
   - 4.4. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4R-22L BETWEEN TAXIWAY G, RUNWAY 4-22 RSA, AND THE GLIDE SLOPE CRITICAL AREA
5. NOT USED
6. PERFORM CLEANUP
7. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
8. RETRACT NOTAM EXCEPT THE FOLLOWING:
   - 8.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 8.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 8.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 8.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 8.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 — LOW PROFILE BARRICADE
- 2 / G008 — PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 — CLOSED RUNWAY MARKING
- 4 / G008 — CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 — CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IIB

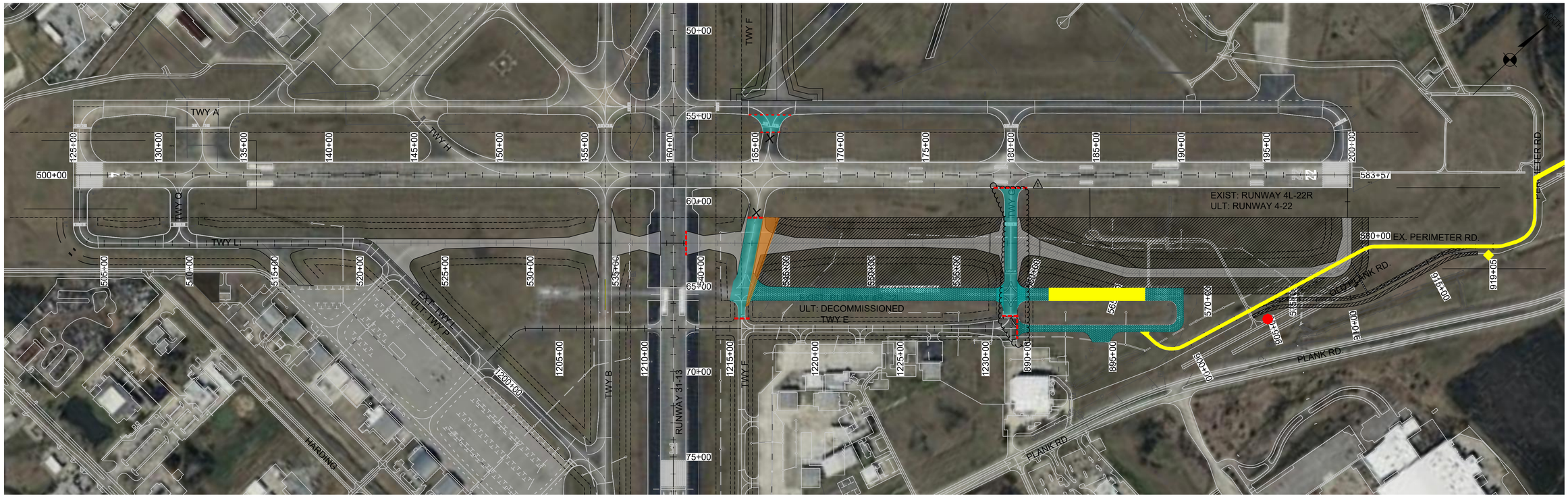
DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	B.S.R.
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G018	010j

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CADD D3-R4



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS.
6. MARKINGS DESIGNATED FOR REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE IIC - TAXIWAY F TIE-IN

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"
   - 1.6. "TAXIWAY F CLOSED FROM TAXIWAY A TO NORTH END OF TAXIWAY E INTERSECTION"
   - 1.7. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.7.1. TAXIWAY F"
2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE IIC SITE WORK:
5. PERFORM PHASE IIC NEW TAXIWAY L WORK:
   - 5.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L ALONG TAXIWAY F WITHIN THE NORTHERN TAXIWAY F TOFA LIMIT
6. PERFORM CLEANUP
7. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
8. RETRACT NOTAM EXCEPT THE FOLLOWING:
   - 8.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 8.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 8.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 8.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 8.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 — LOW PROFILE BARRICADE
- 2 / G008 — PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 — CLOSED RUNWAY MARKING
- 4 / G008 — CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 — CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	CLOSED TWY G	KP	BR	BR	7/15/2025

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IIC

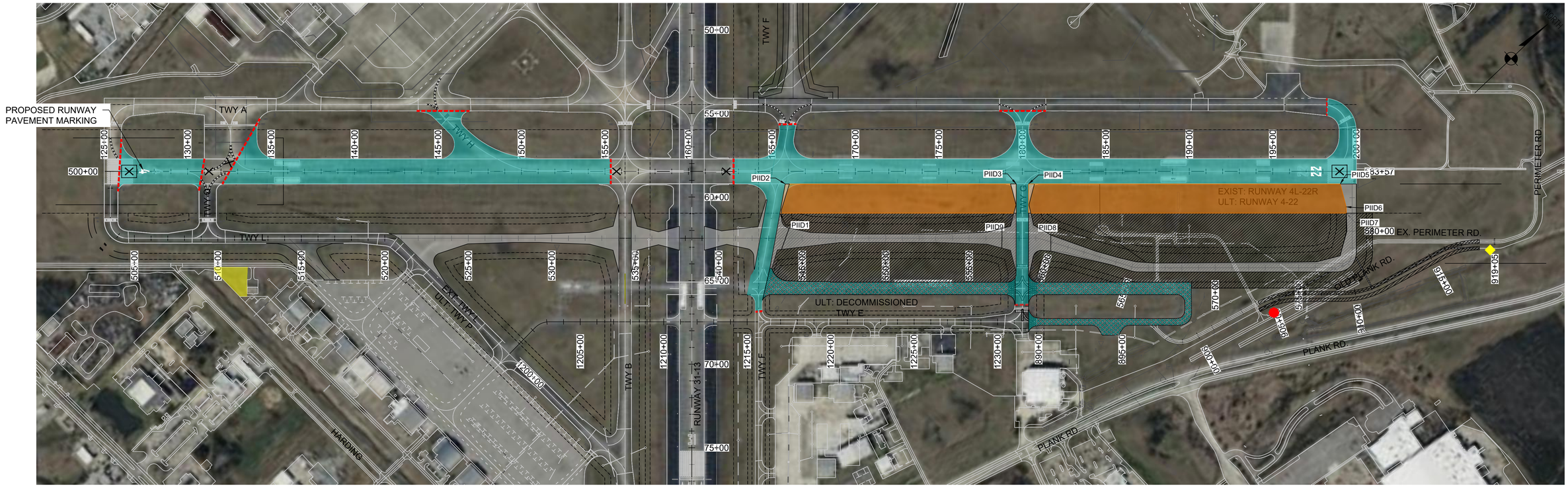
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED B.S.R.
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G019	010k

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CADD D3-R4



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS.
6. MARKINGS DESIGNATED FOR REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE IID - RUNWAY 4-22 CONNECTIONS

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4-22 CLOSED"
   - 1.2. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.3. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.4. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"

PHASE IID (CONTINUED) - RUNWAY 4-22 CONNECTIONS

- 1.6. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"
- 1.7. "TAXIWAY F CLOSED FROM TAXIWAY A TO NORTH END OF TAXIWAY E INTERSECTION" SEE NOTE 1.
- 1.8. "TAXIWAY G CLOSED" SEE NOTE 1.
- 1.9. "MEN AND EQUIPMENT AT WORK NEAR:
  - 1.9.1. TAXIWAY F"
  - 1.9.2. TAXIWAY G"
  - 1.9.3. RUNWAY 4-22"

2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE IID SITE WORK:
   - 4.1. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4-22 FROM TAXIWAY F TO TAXIWAY G WITHIN THE RUNWAY 4-22 RSA LIMIT
   - 4.2. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4-22 FROM TAXIWAY G TO NORTH END OF THE RUNWAY WITHIN THE RUNWAY 4-22 RSA LIMIT
5. PERFORM PHASE IID NEW TAXIWAY L WORK:
   - 5.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG TAXIWAY G WITHIN THE TAXIWAY G TOFA
   - 5.2. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG TAXIWAY F WITHIN THE TAXIWAY F NORTHERN TOFA LIMIT
   - 5.3. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG THE NORTH END OF RUNWAY 4-22 WITHIN RSA LIMIT
6. PERFORM PHASE II PAVEMENT DEMO WORK:
   - 6.1. REMOVE PAVEMENT ON RUNWAY 4R-22L BETWEEN TAXIWAY F EOP TO TAXIWAY G SOUTHERN TOFA
   - 6.2. REMOVE PAVEMENT ON RUNWAY 4R-22L WITHIN TAXIWAY G TOFA LIMITS
   - 6.3. REMOVE PAVEMENT ON RUNWAY 4R-22L BETWEEN TAXIWAY G NORTHERN TOFA TO TAXIWAY E
   - 6.4. REMOVE PAVEMENT ON TAXIWAY E FROM TAXIWAY G NORTHERN TOFA TO RUNWAY 4R-22L
7. PERFORM CLEANUP
8. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
9. RETRACT NOTAM EXCEPT THE FOLLOWING:
   - 9.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 9.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 9.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 9.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 9.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

NOTES:
1. TAXIWAY G AND F SHALL NOT BE CLOSED CONCURRENTLY.
2. PIID1-PIID9 LABELS FOR FAA OE/AAA USE ONLY. NO IMPACT TO CONSTRUCTION.

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- * PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- * REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- ******** PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- * TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED PAVEMENT REMOVAL TO PHASE	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IID

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED B.S.R.
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G020
SHEET NO: 010L

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CADD D3-R4

SAFETY PLAN

1. THE DOCUMENTS LISTED BELOW WILL GOVERN SAFETY AND CONSTRUCTION ON THIS PROJECT. AIRPORT RULES ARE SUBJECT TO CHANGE BY PROGRAM MANAGER AND OTHER GOVERNMENT AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE TO CHECK WITH AIRPORT SECURITY FOR ANY CHANGES.
   OPERATIONAL SAFETY AND AIRPORTS DURING CONSTRUCTION – AC 150/5370-2G
   AIRPORT SAFETY SELF-INSPECTION – AC 150/5200-18C
   PARKING, MARKING, AND LIGHTING OF VEHICLES USED ON AIRPORT – AC 150/5210-5D
   FAR, PART 139
   AIRPORT RULES AND REGULATIONS
2. THE CONTRACTOR SHALL FURNISH AIRCRAFT WARNING FLAGS, COLORED ORANGE AND WHITE, THREE FOOT SQUARE FOR VEHICLE AND EQUIPMENT USE, AND ONE FOOT SQUARE FOR PERSONAL USE. EACH SEPARATE GROUP OR INDIVIDUAL VEHICLE AND EQUIPMENT ITEM IN ALL WORK AREAS SHALL DISPLAY A FLAG WHICH SHALL BE MAINTAINED VERTICAL AT ALL TIMES IN ADDITION, EACH VEHICLE AND PIECE OF EQUIPMENT SHALL HAVE A ROTATING BEACON MOUNTED ON THE ROOF FOR USE AT ALL TIMES.
3. THE CONTRACTOR SHALL PROVIDE, MAINTAIN AND INSTALL ELEVATED LIGHTED X'S (RUNWAY CLOSURE) AND TYPE 1 BARRICADES (TAXIWAY CLOSURE) AND INSTALLED AS SHOWN ON SHEET G007.
4. ALL LIGHTING WILL BE SHIELDED BY THE CONTRACTOR SO THAT IT DOES NOT AFFECT THE AIR TRAFFIC CONTROL TOWER OR FLIGHT CREWS.
5. LIMITS OF ACTIVE CRITICAL AREAS NEAR THE WORK AREA SHALL BE STAKED BY THE CONTRACTOR'S REGISTERED LAND SURVEYOR PRIOR TO ANY CONSTRUCTION.
6. MAXIMUM NORMAL EQUIPMENT HEIGHT WILL BE 25'.
7. THE CONTRACTOR SHALL HAVE AT A MINIMUM TWO RADIOS ON SITE AND A BACKUP RADIO FOR THIS PROJECT AND COMMUNICATION WITH THE AIR TRAFFIC CONTROL TOWER MUST BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL HAVE SUFFICIENT WORKING RADIO(S) ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL ASSIGN RESPONSIBLE PERSONNEL TO CONTINUOUSLY MONITOR THE GROUND CONTROL FREQUENCY. PROVIDE A RADIO AT EACH SEPARATE WORK LOCATION.
8. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE PROGRAM MANAGER TO ALLOW NOTAMS (NOTICE TO AIRMEN) TO BE ISSUED WHEN REQUIRED. 72 HOUR NOTICE IS REQUIRED PRIOR TO ISSUANCE OF A NOTAM.

AIRPORT OPERATIONS

1. THE BATON ROUGE METROPOLITAN AIRPORT OPERATIONS MANAGER IS CRAIG ALFORD (OFFICE – 225-355-0333).
2. CONSTRUCTION WILL OCCUR WITHIN THE AIRPORT OPERATIONS AREA (AOA). THE CONTRACTOR WILL BE REQUIRED TO OBTAIN ALL VEHICLE PASSES, PERSONNEL SECURITY BADGES, AND SATISFY ALL SECURITY REQUIREMENTS PRIOR TO BEGINNING WORK WITHIN THE RESTRICTED AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY CONSTRUCTION PERSONNEL WITH ANY CHANGE IN THE REQUIREMENTS FOR ENTERING AND OPERATING WITHIN THE AOA.
3. ALL INDIVIDUALS REQUIRING VEHICULAR ACCESS TO ANY PORTION OF THE AIRCRAFT OPERATIONAL AREA (AOA) ON THE AIRPORT MUST COMPLETE THE AIRPORTS MOVEMENT AREA TRAINING PROGRAM PRIOR TO ACCESSING. DUE TO THE AIRPORTS MOVEMENT AREA TRAINING PROGRAM CLASS AVAILABILITY, ADVANCED PLANNING SHOULD BE OBSERVED WHEN SCHEDULING THIS TRAINING.
4. THE AIRPORT WILL BE IN OPERATION WHILE CONSTRUCTION UNDER THIS CONTRACT IS TAKING PLACE. COORDINATION OF THE WORK IS AN ESSENTIAL FEATURE OF THIS CONTRACT. BEFORE PROCEEDING, ALL CONSTRUCTION ACTIVITIES, SCHEDULES AND RUNWAY SHUT DOWNS MUST BE FULLY COORDINATED THROUGH THE PROGRAM MANAGER WITH THE AIRPORT OPERATIONS MANAGER, LOCAL AIR TRAFFIC MANAGEMENT AND LOCAL FAA SSC OFFICE. THE COMPLETION OF ALL WORK HEREIN SPECIFIED MUST BE PERFORMED SO AS TO OFFER THE LEAST OBSTRUCTION AND/OR IMPEDIMENT TO AIRPORT TRAFFIC AND THE GENERAL OPERATION OF THE AIRPORT.
5. AIRPORT RESERVES RIGHT TO STOP WORK IF AT ANYTIME THE SAFETY OF THE AIRCRAFT IS COMPROMISED.
6. ACCESS TO FAA FACILITIES MUST BE COORDINATED WITH THE LOCAL FAA SSC OFFICE. THE CONTRACTOR SHALL REQUEST ACCESS THROUGH THE PROGRAM MANAGER 48 HOURS PRIOR TO THE DESIRED ACCESS TIME. ACCESS TO THE AIRPORT OPERATION AREA ITSELF SHALL BE ONLY THROUGH DESIGNATED ACCESS GATES AS SHOWN ON SHEET G011.
7. THE CONTRACTOR SHALL COOPERATE IN EVERY WAY WITH ANY OTHER CONTRACTOR DOING WORK ON OR NEAR THE CONTRACT SITE TO THE MUTUAL BENEFIT OF ALL IN COMPLETING THEIR RESPECTIVE WORK. IN NO CASE WILL THE CONTRACTOR BE PERMITTED TO PARK VEHICLES/EQUIPMENT OR STORE MATERIALS OUTSIDE OF THE STAGING AREA SHOWN WITHOUT COORDINATION WITH AIRPORT OPERATIONS AND ATCT.
8. WHEN SO ORDERED BY THE RESIDENT ENGINEER OR PROGRAM MANAGER, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, MACHINERY AND MATERIALS FROM THE WORK SITE.
9. THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATION SO THAT MATERIAL, EQUIPMENT, SUPPLIES, AND WORKING PERSONNEL NECESSARY TO DO THE WORK SHALL ENTER AND LEAVE THE CONTRACT SITE VIA THE GATES AND ROUTES DESIGNATED. NO PERSONAL VEHICLES WILL BE PERMITTED WITHIN THE AOA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, REPAIR, AND/OR MAINTENANCE OF ALL HAUL ROADS TO AND FROM THE DESIGNATED ENTRANCE TO THE VARIOUS WORK SITES. CONTRACTOR SHALL MAINTAIN A LOG OF ALL VEHICLES ENTERING WORKING AREA.
10. NO ADDITIONAL COMPENSATION OR EXTENSION OF TIME OF COMPLETION FOR THE PROJECT, OR ANY PHASE OF THE PROJECT, WILL BE ALLOWED DUE TO THE PHASING OF THE WORK OR DUE TO NORMAL WEATHER CONDITIONS WHICH MAY IMPEDE THE PROGRESS OF THE WORK.
11. THE CONTRACTOR CANNOT CROSS ANY ACTIVE RUNWAY OR TAXIWAY TO DELIVER MATERIAL OR WORKMEN WITHOUT A BADGED ESCORT. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT ACCESS TO CERTAIN CONTRACT AREAS MAY BE LIMITED AND/OR REFUSED FOR LIMITED PERIODS OF TIME. THE CONTRACTOR MUST COOPERATE WITH AIRPORT AUTHORITIES TO KEEP THE AIRPORT IN OPERATION.

AIRPORT OPERATIONS (CONTINUED)

12. THE CONTRACTOR SHALL MAKE SURE ALL TAXIWAYS, RUNWAYS, ROADS AND APRONS THAT ARE USED OR CROSSED BY CONSTRUCTION VEHICLES BE KEPT CLEAR OF DEBRIS AT ALL TIMES. ANY AREA DAMAGED DURING CONSTRUCTION SHALL BE IMMEDIATELY RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT HIS OWN EXPENSE.
13. CONTRACTOR OPERATIONS WILL OCCUR AROUND FAA FACILITIES AND EQUIPMENT. THESE FACILITIES ARE CRITICAL TO THE OPERATION OF AIR TRAFFIC CONTROL. THEIR FAILURE DUE TO CONSTRUCTION ACTIVITY MAY CAUSE DISRUPTION TO AIRPORT OPERATIONS. REQUIREMENTS OF THE CONTRACT SHALL NOT LIMIT ANY OBLIGATIONS TO MAINTAIN ADEQUATE PROTECTION TO THESE FACILITIES.
14. ALL CONSTRUCTION WORK IN THE RSA SHALL BE PERFORMED DURING A RUNWAY CLOSURE COORDINATED WITH THE LOCAL AIR TRAFFIC OFFICE AND THE AIRPORT AUTHORITY.

CONSTRUCTION ACTIVITY

1. AFTER AWARD OF THIS CONTRACT AND PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE FAA PROJECT ENGINEER FOR A SHUTDOWN OF THOSE NAVIGATIONAL AIDS WHICH WILL BE AFFECTED BY THE CONSTRUCTION. THE REQUEST MUST BE MADE NO LESS THAN 30 DAYS PRIOR TO THE START OF CONSTRUCTION AND MUST BE ACCOMPANIED BY A COMPLETE CONSTRUCTION SCHEDULE.
2. STOCKPILES OF ANY MATERIALS BY THE CONTRACTOR SHALL BE PRE-COORDINATED WITH THE AIRPORT OPERATIONS MANAGER.
3. NO EXCAVATIONS WITHIN THE RSA SHALL REMAIN OPEN AFTER ANY WORK SHIFT. ALL OPEN EXCAVATIONS WITHIN THE RSA MUST BE BACKFILLED FLUSH WITH SURROUNDING GRADE AND IN ACCORDANCE WITH AC 150/5300-13A PRIOR TO RE-OPENING OF THE RUNWAY. EXCAVATIONS OUTSIDE OF THE RSA MUST ALSO BE BACKFILLED OR COVERED WITH 1.25" THICK STEEL PLATES PRIOR TO THE END OF ANY WORK SHIFT.
4. THE CONTRACTOR MUST MAINTAIN DRAINAGE TO PREVENT PONDING OR FLOODING DURING THE PERIOD OF CONSTRUCTION.
5. CONTRACTOR MUST LIMIT ALL CONSTRUCTION ACTIVITIES (FOR RUNWAY CLOSED, RUNWAY OPEN AND CRANE OPERATION CONDITIONS INDIVIDUALLY) TO THE AREAS AND EQUIPMENT HEIGHTS AS DEFINED ON THIS SHEET AND ON SHEETS G007 AND G011. STRICT ADHERENCE TO THESE SPECIFIED AREAS AND HEIGHTS MUST BE OBSERVED.
6. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MEASUREMENTS THAT MAY BE REQUIRED TO LAY OUT CONSTRUCTION. CONSTRUCTION LAYOUT IS AT NO DIRECT PAY AND SHALL BE INCLUDED IN THE UNIT PRICES OF EACH APPLICABLE BID ITEM OF WORK.

CONTRACTOR SITE SPECIFIC SAFETY PLAN (SSSP)

1. IN ACCORDANCE WITH SPECIFICATION S-1000, THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SITE SPECIFIC SAFETY PLAN (SSSP) AS OUTLINED IN FAA ADVISORY CIRCULAR NO. 150/5370-2G (OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

ACCESS GATE, HAUL ROUTE AND LAYDOWN/STAGING AREA

1. THE CONTRACTOR SHALL STORE ALL EQUIPMENT, VEHICLES AND MATERIAL ONLY IN THE AREA SHOWN ON SHEET G011. CONTRACTOR ACCESS GATE AS WELL AS HAUL ROUTE SHALL ALSO BE PER SHEET G011. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING THE GRASS WITHIN THE ASSIGNED LAYDOWN AREA. AFTER THE PROJECT IS COMPLETE, THE LAYDOWN AREA SHALL BE RESTORED TO EXISTING CONDITIONS TO THE SATISFACTION OF THE AIRPORT AUTHORITY.

UTILITIES

1. ALL EXISTING UTILITIES SERVING THE AIRPORT MUST REMAIN IN CONTINUOUS OPERATION AT ALL TIMES. THE CONTRACTOR MUST CONTACT LOUISIANA ONE (1) CALL (1-800-272-3020) 48 HOURS PRIOR TO BEGINNING WORK IN THE CONSTRUCTION AREA.
2. ANY CABLE OR OTHER EXISTING UTILITY LINE THAT IS DAMAGED DURING THE PERFORMANCE OF THE CONTRACT WILL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR, UNDER THE OWNERS DIRECTION, AND AT THE CONTRACTOR'S EXPENSE. DURING THE PERIOD OF TIME THAT THE CABLES OR UTILITIES ARE OUT OF SERVICE, ALL CONTRACT WORK MUST BE SUSPENDED UNLESS OTHERWISE DIRECTED BY THE PROGRAM MANAGER IN WRITING. THE CONTRACTOR WILL NOT BE ALLOWED TO MAKE CLAIMS FOR EXTRA COST OR TIME EXTENSIONS DUE TO SUCH STOPPAGE OF WORK.
3. EXISTING CONDITIONS CONCERNING FEATURES AND UTILITIES AS SHOWN ON THESE DRAWINGS ARE NOT GUARANTEED TO BE ALL INCLUSIVE OR CORRECT. THE CONTRACTOR WILL VERIFY ALL FEATURES PRIOR TO CONSTRUCTION. ALL STRUCTURES ABOVE OR BELOW GROUND THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE PROPERLY SUPPORTED AND PROTECTED. THE CONTRACTOR WILL MAKE ALL ARRANGEMENTS WITH THE PROGRAM MANAGER FOR THE RELOCATION OF SUCH STRUCTURES IF REQUIRED. IF DAMAGED DURING CONSTRUCTION, THE CONTRACTOR WILL MAKE REPAIRS OR PAY FOR REPAIRS TO THE STRUCTURE TO THE SATISFACTION OF THE RE. NO EXTRA PAYMENT WILL BE MADE FOR ANY SUCH INTERFERENCE OR OBSTRUCTION.
4. THE CONTRACTOR MUST LAY OUT THE LOCATION OF ALL NEW ITEMS FOR REVIEW BY THE PROGRAM MANAGER, FAA RESIDENT ENGINEER, AND PROJECT ENGINEER. NO ITEM WILL BE CONSTRUCTED UNTIL THE LOCATION IS APPROVED BY THE RE.
5. THE CONTRACTOR WILL NOT START ANY WORK WHICH MAY AFFECT EXISTING UTILITY CABLES, PIPELINES, OR SEWERS UNTIL THE FAA RESIDENT ENGINEER, HAS REVIEWED THE PROCEDURES FOR PROTECTION OF THE UTILITY.
6. WHEN DIGGING WITHIN 5' OF UTILITY MARKINGS, THE CONTRACTOR MUST EXCAVATE BY HAND-DIGGING.
7. IF NIGHT WORK IS REQUIRED, THE CONTRACTOR MUST PROVIDE AN ADEQUATE NUMBER OF LIGHT PLANTS TO PROPERLY ILLUMINATE THE WORK AREA. THE CONTRACTOR MUST TAKE EXTRA PRECAUTION TO ENSURE THAT MORE THAN SUFFICIENT LIGHT IS AVAILABLE WHEN EXCAVATING NEAR EXISTING UTILITIES. THE RE WILL HAVE THE FINAL DETERMINATION ON WHETHER OR NOT ARTIFICIAL LIGHTING IS NEEDED AND IF THE ARTIFICIAL LIGHT PROVIDED IS SUFFICIENT.
8. A TOOLBOX SAFETY MEETING SHALL BE HELD EACH DAY AT THE START OF WORK. EVERY TOOLBOX SAFETY MEETING MUST INCLUDE A DISCUSSION OF WHERE THE EXISTING UTILITIES WITHIN THE CURRENT WORK ZONE ARE LOCATED, THE TYPE, SIZE AND NUMBER OF UTILITIES PRESENT, AND THE CONTRACTORS PLAN TO PROTECT AND AVOID THESE UTILITIES.
9. ALL ITEMS PROPOSED FOR DEMOLITION MUST BE MARKED BY THE CONTRACTOR FOR REVIEW BY THE PROGRAM MANAGER. NO ITEM WILL BE DEMOLISHED UNTIL APPROVED.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
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6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CSP and ASP Notes

DESIGNED W.T.B.
DRAWN W.T.B.
CHECKED G.T.H.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G021
SHEET NO: 010m

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CADD D3-R4

SUMMARY OF ESTIMATED QUANTITIES--PHASE II BASE BID

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
	TAXIWAY PAVEMENT AND EARTHWORK		
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-102-5.1c	INSTALLATION AND REMOVAL OF SILT FENCE (CATCH BASIN PROTECTION)	LF	4,018
C-102-5.1e	INSTALLATION AND REMOVAL OF SILT FENCE	LF	5,419
C-105-5.1	MOBILIZATION	LUMP	1
P-101-5.1a	PAVEMENT REMOVAL (GA RUNWAY 4R-22L, TAXIWAY E)	SY	30,831
P-101-5.6a	COLD MILLING (2" DEPTH) (TAXIWAY L)	SY	9,850
P-151-4.2a	CLEARING AND GRUBBING	AC	33
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	35,976
P-152-4.2a	EMBANKMENT IN PLACE	CY	9,749
P-153-6.1	CONTROLLED LOW-STRENGTH MATERIAL (CLSM)	CY	70
P-154-5.1	SUBBASE COURSE	CY	16,193
P-155-8.1a	LIME TREATED SUBGRADE (10" THICK) (ACCESS DRIVES)	SY	121
P-155-8.1b	LIME TREATED SUBGRADE (12" THICK) (TAXIWAY)	SY	32,386
P-155-8.2a	LIME (LIME SLURRY ONLY) (ACCESS DRIVES)	TON	2
P-155-8.2b	LIME (LIME SLURRY ONLY) (TAXIWAY)	TON	614
P-209-5.1a	CRUSHED AGGREGATE BASE COURSE (10" THICK) (RVR DRIVE)	SY	121
P-209-5.1b	CRUSHED AGGREGATE BASE COURSE (6.0" THICK)	SY	32,386
P-209-5.2a	SEPARATION GEOTEXTILE	SY	32,386
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	32,386
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	32,386
P-401-8.1b	ASPHALT SURFACE COURSE (2" THICK) (OVERLAY)	TON	1,084
P-403-8.1c	ASPHALT MIXTURE SURFACE COURSE (2" THICK) (ACCESS DRIVES)	TON	14
P-403-8.1d	ASPHALT MIXTURE BINDER COURSE (2" THICK) (ACCESS DRIVES)	TON	17
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	30,940
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	3,000
P-605-5.1	JOINT SEALING FILLER	LF	39,439
P-620-5.1a	SURFACE PREPARATION	SF	46,813
P-620-5.2b-1	RUNWAY AND TAXIWAY MARKING (YELLOW)	SF	7,337
P-620-5.2b-2	RUNWAY AND TAXIWAY MARKING (BLACK)	SF	21,229
P-620-5.3c	REFLECTIVE MEDIA (RUNWAY)	LB	638
P-620-5.4d	TEMPORARY RUNWAY AND TAXIWAY MARKING	LUMP	1
P-705-5.4	6 INCH PIPE (PERFORATED PVC), INCLUDING POROUS BACKFILL AND FILTER FABRIC	LF	8,678
S-1000	CONSTRUCTION SAFETY AND PHASING PLAN	LS	1
S-1001	SEEDING (HYDROSEEDING)	AC	22
T-904-5.2	SODDING	SY	9,642
T-905-5.1	TOPSOIL (OBTAINED ONSITE OR REMOVED FROM STOCKPILE)	CY	5,865
T-908-5.1	MULCHING	SY	105,567
	DRAINAGE, PERIMETER ROAD, PERIMETER FENCE		
P-101-5.1b	PAVEMENT REMOVAL (ASPHALT PAVEMENT AND BASE)	SY	5,015
P-101-5.1c	PAVEMENT REMOVAL (CONCRETE)	SY	157
P-101-5.6b	COLD MILLING (DEPTH VARIES) (GA RUNWAY)	SY	3,110
P-101-5.7	REMOVAL OF EXISTING PIPES AND STRUCTURES	LUMP	1
P-151-4.1	CLEARING (REMOVAL OF EXISTING FENCE AND CONCRETE MAINTENANCE PAD)	LUMP	1
P-151-4.2b	CLEARING AND GRUBBING (REMOVAL OF GRASS)	AC	4
P-152-4.1b	UNCLASSIFIED EXCAVATION	CY	1,400
P-152-4.1c	UNCLASSIFIED EXCAVATION (MUCK)	CY	600
P-152-4.2b	EMBANKMENT IN PLACE (GENERAL)	CY	1,700
P-152-4.2c	EMBANKMENT IN PLACE (SELECT FILL)	CY	850
P-155-8.1c	LIME TREATED SUBGRADE	SY	2,955
P-155-8.2c	LIME (LIME SLURRY ONLY)	TON	42
P-209-5.1c	CRUSHED AGGREGATE BASE COURSE (8" THICK)	SY	2,955
P-209-5.2b	SEPERATION GEOTEXTILE	SY	2,955
P-403-8.1e	ASPHALT MIXTURE SURFACE COURSE (PERIMETER ROAD)	TON	680
P-403-8.1f	ASPHALT MIXTURE BINDER COURSE (PERIMETER ROAD)	TON	645
P-602-5.1a	EMULSIFIED ASPHALT PRIME COAT	GAL	890
P-603-5.1a	EMULSIFIED ASPHALT TACK COAT	GAL	770
P-620-5.2c	MARKING (PERIMETER ROAD)	SF	3,415
P-620-5.3d	REFLECTIVE MEDIA (PERIMETER ROAD)	LB	210
D-701-5.1	15 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	156
D-701-5.3	36 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	912
D-701-5.4	42 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	1,965
D-701-5.5	48 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	790
D-701-5.6	15 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	240
D-701-5.10	42 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	792
D-751-5.2a	CATCH BASIN - CB-01 (INCLUDES BEDDING & BACKFILL)	EA	4
D-751-5.2b	CATCH BASIN - CB-02 (INCLUDES BEDDING & BACKFILL)	EA	13
D-751-5.2c	CATCH BASIN - CB-SD02 (INCLUDES BEDDING & BACKFILL)	EA	1
F-162-5.1	CHAIN-LINK FENCE (6 FT HT. W/ 3 STRANDS BARBED WIRE)	LF	1,880
P-610-6.1	CONCRETE (4" THICK) (FENCE MAINTENANCE PAD)	SY	418
S-1002	MARKING (REFLECTORIZED RAISED PAVEMENT MARKERS) (WHITE/WHITE)	EA	72
S-1003	SECURITY SIGNS	LUMP	1
	TAXIWAY EDGE LIGHTING AND SIGNING		
L-108-5.1	NO. 8 AWG, 5 KV TYPE C CABLE, INSTALLED IN CONDUIT	LF	14,800
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS, INCLUDING GROUND RODS	LF	12,000
L-109-7.1	INSTALLATION OF 5 KW CONSTANT CURRENT REGULATOR IN PLACE AND OPERATIONAL INCLUDING 5KV CUTOUTS	EA	1
L-110-5.1	ELECTRICAL CONDUIT, 2" SCHEDULE 40 PVC, TYPE II INSTALLED IN TRENCH	LF	12,000
L-110-5.2	ELECTRICAL CONDUIT, 2" HDPE, JACKED OR BORED UNDER TAXIWAY IN STEEL CASING (STEEL CASING INCLUDED IN THIS ITEM)	LF	500
L-110-5.3	ELECTRICAL DUCT, 4-WAY, 4" AND 1-WAY, 2" HIGH DENSITY POLYETHYLENE CONDUIT, DIRECTIONAL BORE, INSTALLED	LF	100
L-115-5.1	ELECTRICAL JUNCTION CAN, L-867, SIZE B, CLASS 1, COMPLETE, IN PLACE	EA	8
L-115-5.2	ELECTRICAL JUNCTION CAN, L-868, SIZE D, CLASS 1, COMPLETE, IN PLACE	EA	2
L-125-5.1	MEDIUM INTENSITY TAXIWAY EDGE LIGHT (L-861T), WITH BLUE LENS, LED LAMP, 10/15 WATT TRANSFORMER, BASE MOUNTED, IN PLACE	EA	127
L-125-5.2	SIGN L-858, SIZE 2, 1-PANEL, REQUIRED CONCRETE BASE	EA	4
L-125-5.3	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE	EA	7
L-125-5.5	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE, UNLIGHTED	EA	1
L-125-5.6	REPLACE EXISTING SIGN PANEL, COMPLETE, IN PLACE	EA	6
L-125-5.7	REMOVE EXISTING RUNWAY & TAXIWAY ELECTRICAL SYSTEMS	LUMP	1
L-125-5.8	ELECTRICAL TESTING	LUMP	1
L-125-5.9	CONNECT TO EXISTING CIRCUIT	LUMP	1

SUMMARY OF ESTIMATED QUANTITIES--PHASE II ALTERNATE 1

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
	TAXIWAY PAVEMENT AND EARTHWORK		
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	-9,744
P-152-4.2a	EMBANKMENT IN PLACE	CY	115
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	-32,386
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	-32,386
P-401-8.1a	ASPHALT SURFACE COURSE (2.0" THICK)	TON	3,404
P-403-8.1a	ASPHALT MIXTURE BINDER COURSE (2.0" THICK)	TON	3,457
P-403-8.1b	ASPHALT BASE COURSE COURSE (5.0" THICK)	TON	8,907
P-407-8.1	ASPHALT TREATED PERMEABLE BASE COURSE (ATPB) (6" THICK)	SY	32,386
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	-30,940
P-602-5.1b	EMULSIFIED ASPHALT PRIME COAT	GAL	9,427
P-603-5.1b	EMULSIFIED ASPHALT TACK COAT	GAL	10,548
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	-3,000
P-605-5.1	JOINT SEALING FILLER	LF	-39,439

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDENDUM 1	AJF	BSR	BSR	07/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SUMMARY OF ESTIMATED QUANTITIES

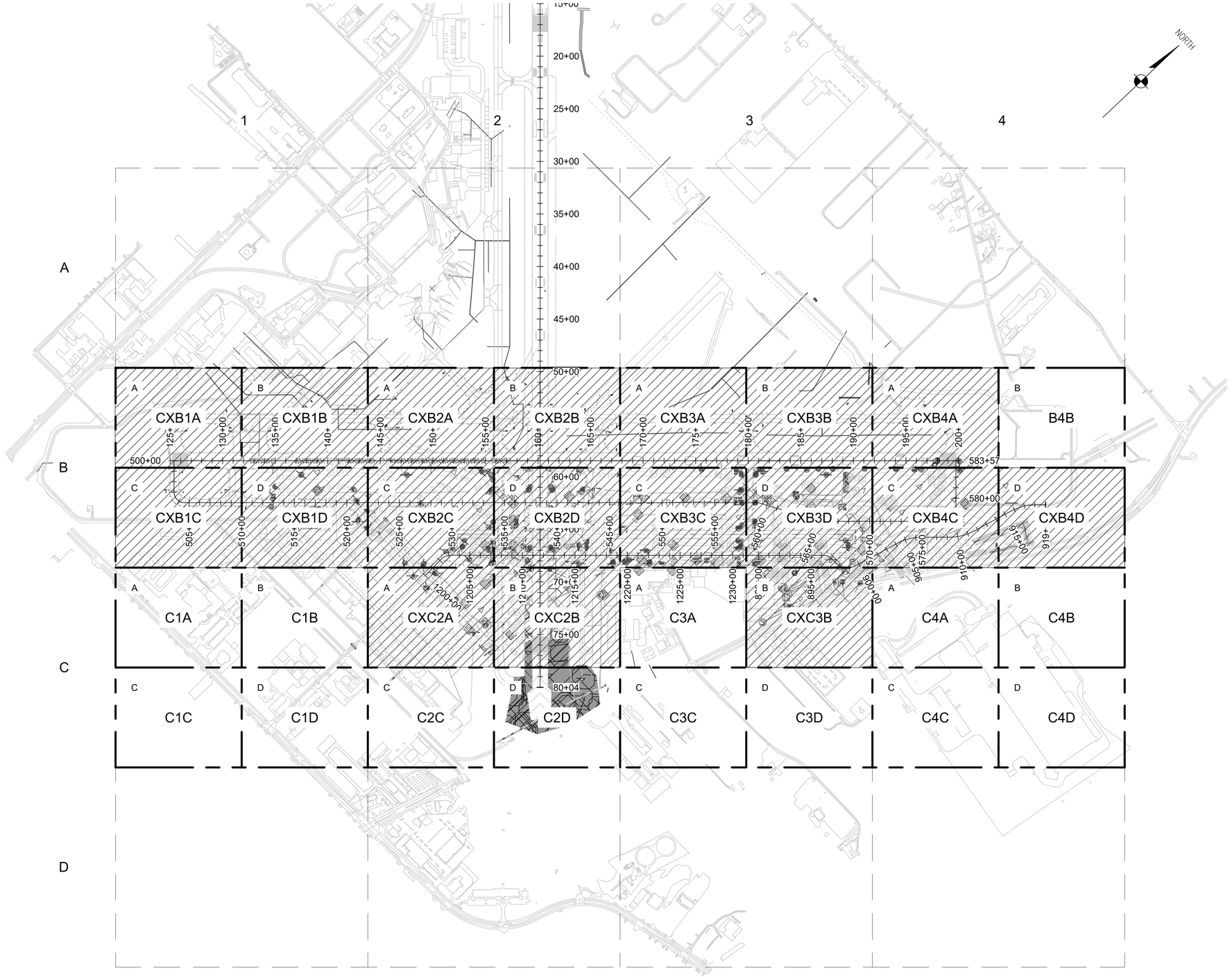
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A.
APPROVED N/A
DATE 6/19/2025 12/22/2023

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G022	011

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CADD D3-R4



NOTES:

1. EXISTING UTILITIES AND UNDERGROUND FACILITIES ARE LOCATED FROM AVAILABLE SURFACE INFORMATION. THE LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON THE INFORMATION AVAILABLE AT THE TIME OF THE DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXACT LOCATION, DEPTH, AND CONDITION OF ALL UTILITIES AND AIRPORT FACILITIES DURING THE CONSTRUCTION PERIOD. ANY CONFLICTING UTILITY INFORMATION SHALL BE REPORTED TO THE ENGINEER FOR ASSESSMENT.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS LOCATION PLAN

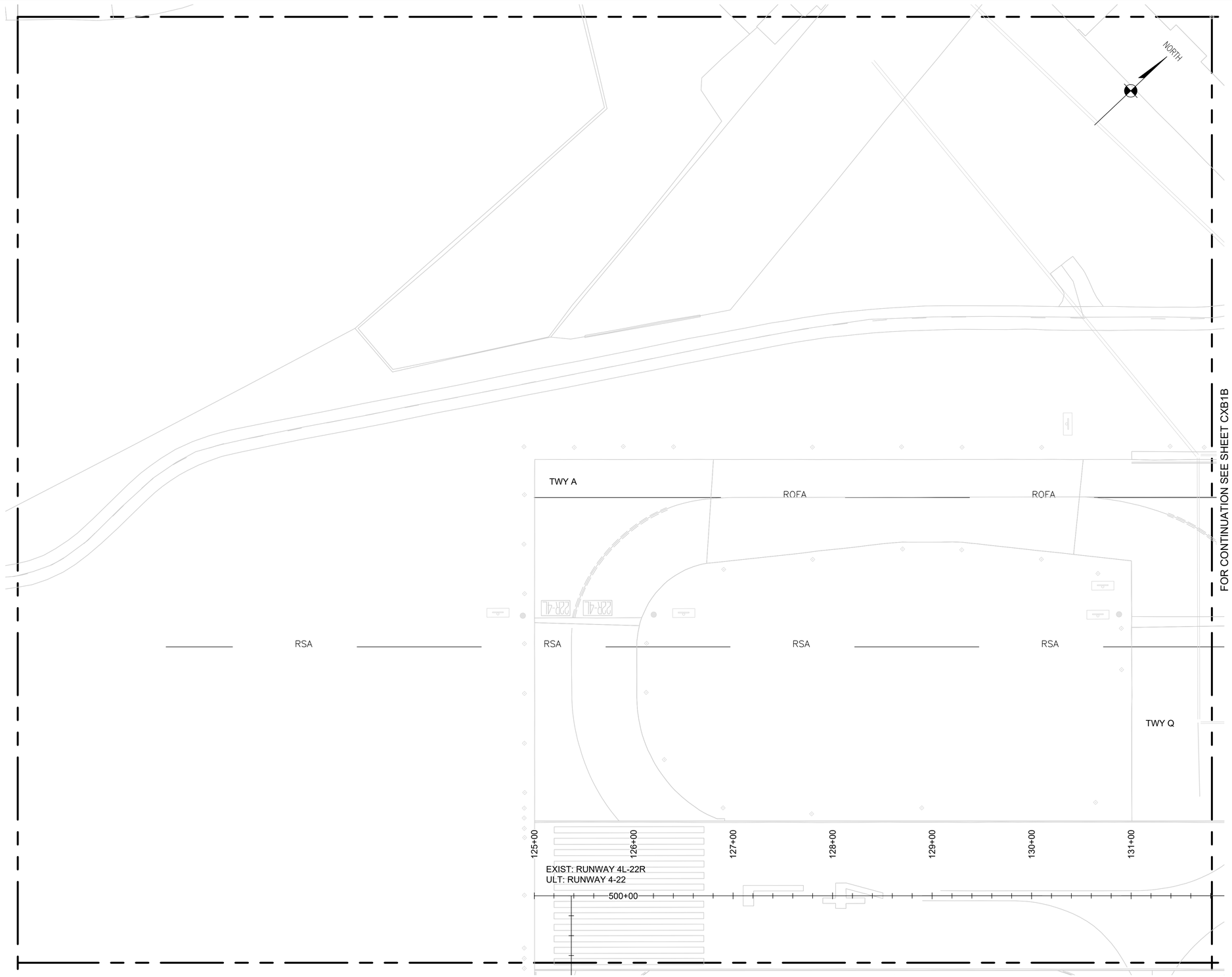
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/13/2025

SCALE: 1"=50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CX100	012

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
- EXISTING TAXIWAY EDGE LIGHTING. SEE ELECTRICAL SHEETS
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- EXISTING STORM PIPE
- ENHANCED TAXIWAY CENTERLINE PAVEMENT MARKING
- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL SURVEYOR
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B1A

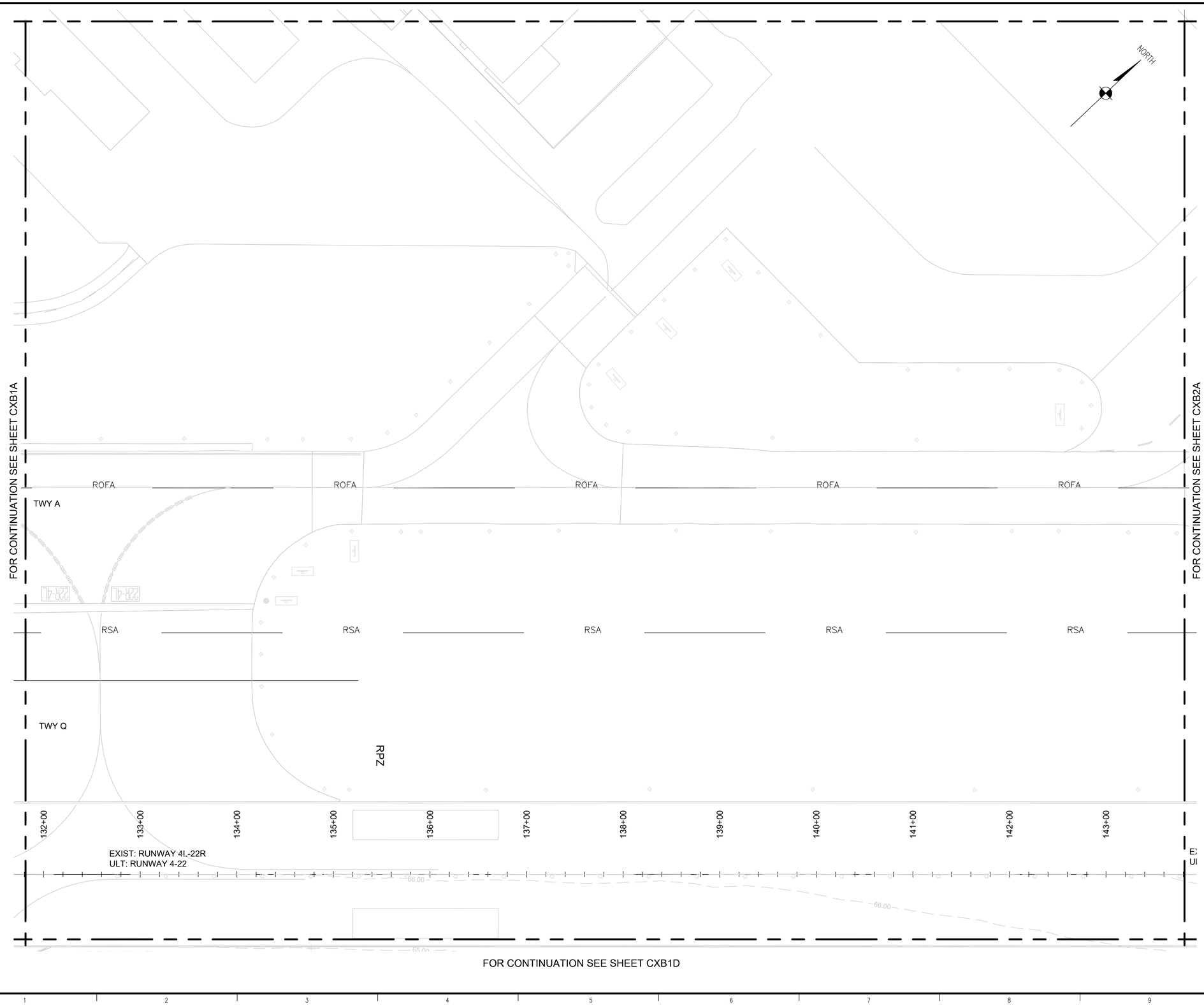
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB1A	013

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B1B

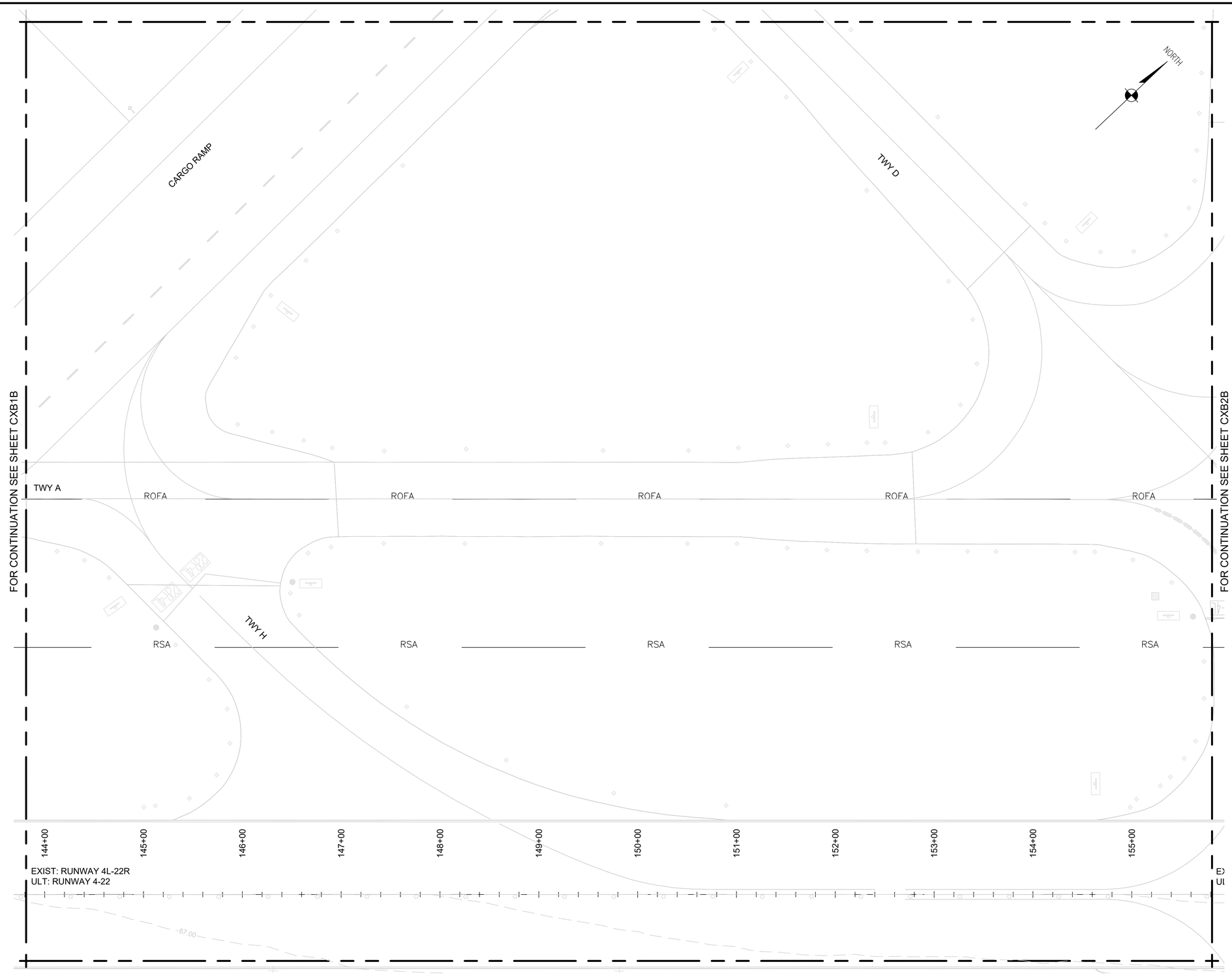
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB1B	014

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B2A

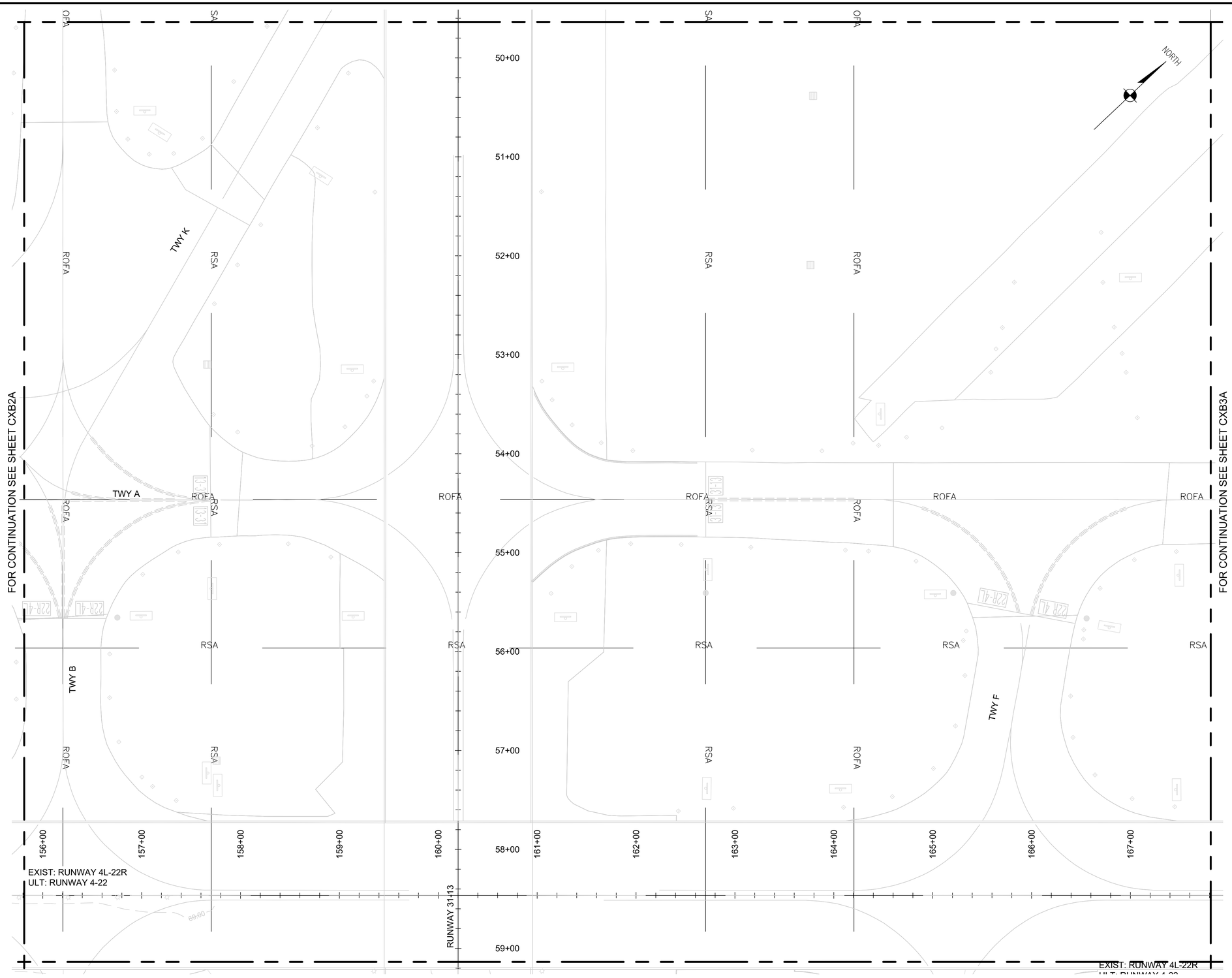
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DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB2A	015

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B2B

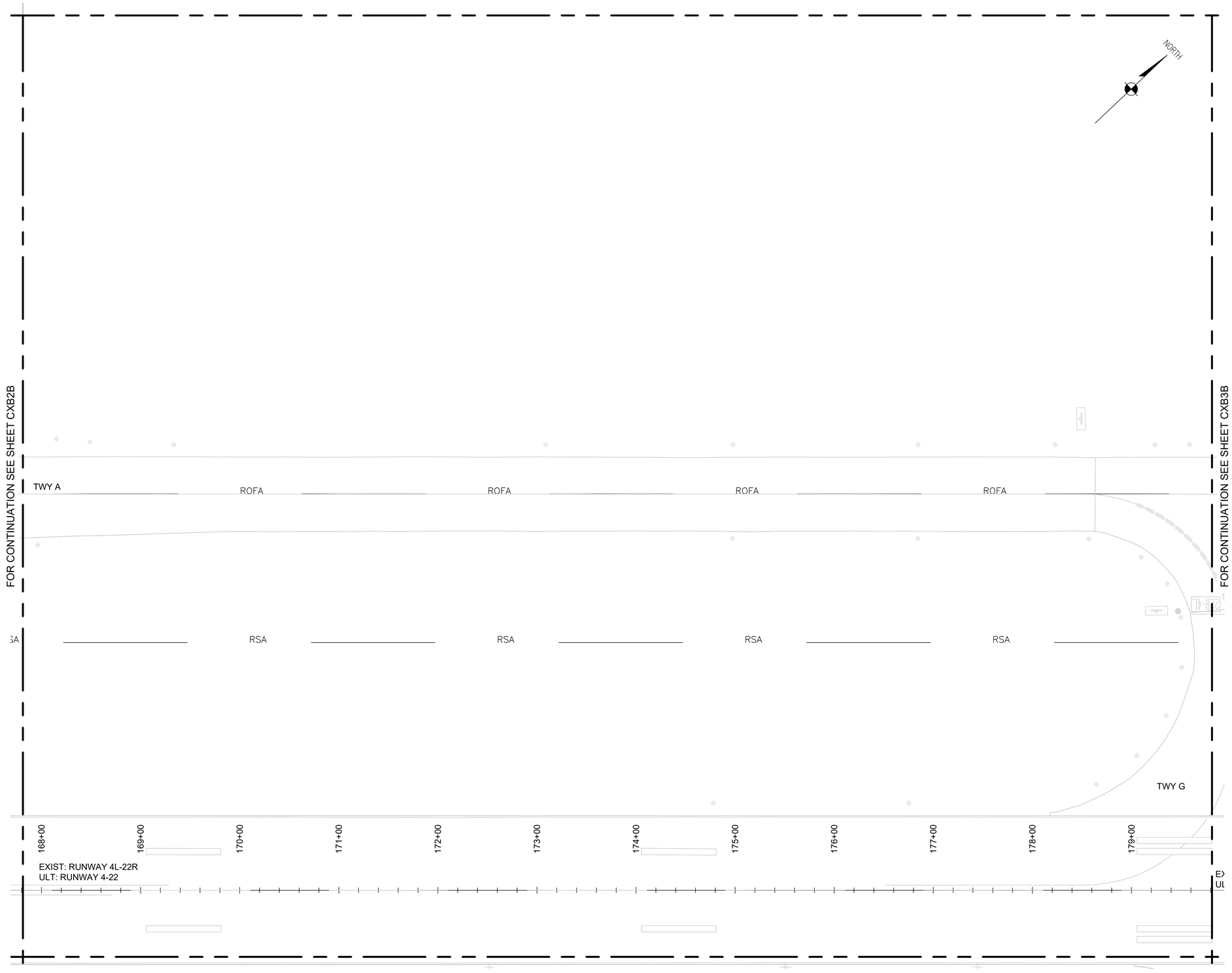
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB2B	016

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

- EXISTING GRATE INLET
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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B3A

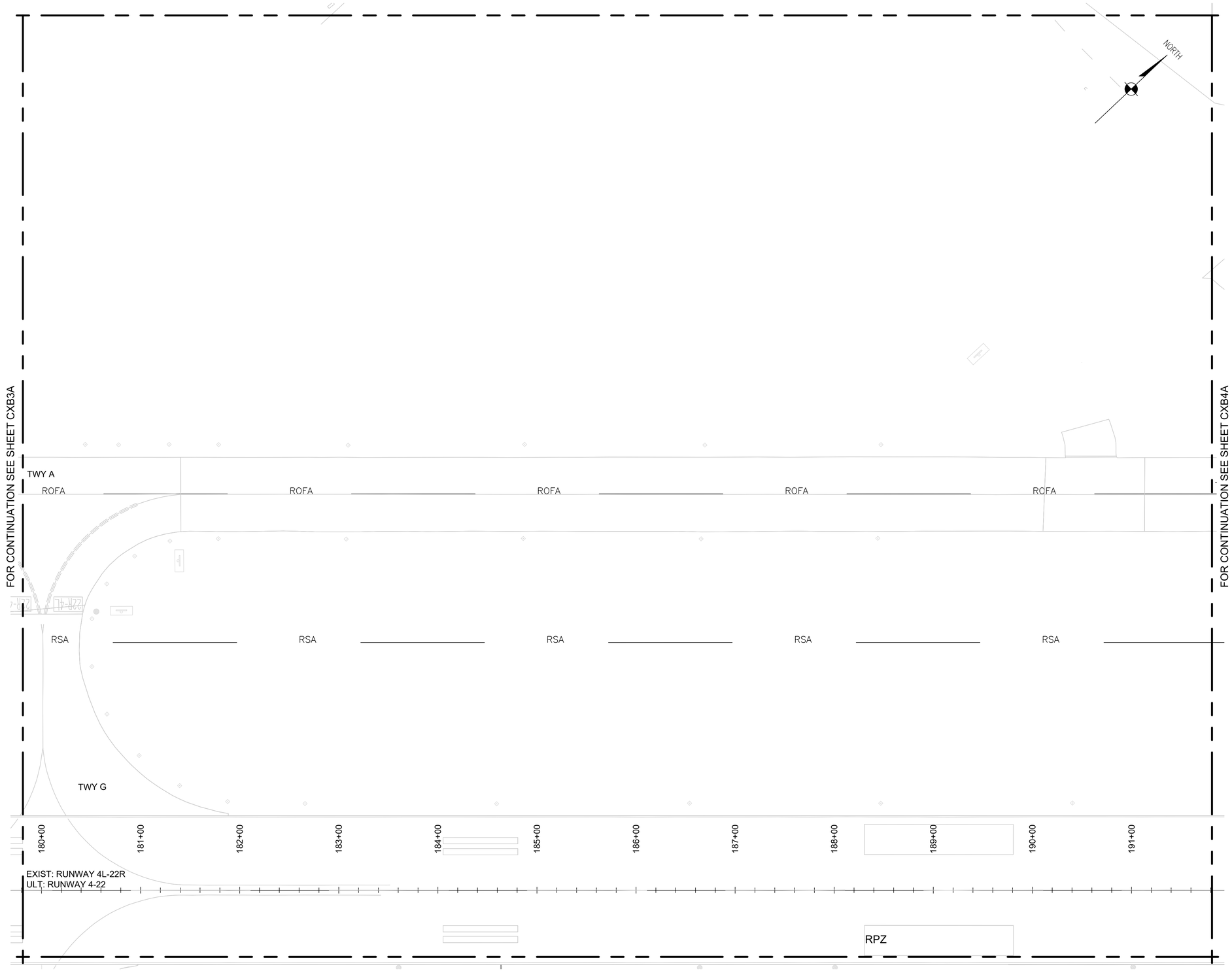
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB3A	017

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B3B

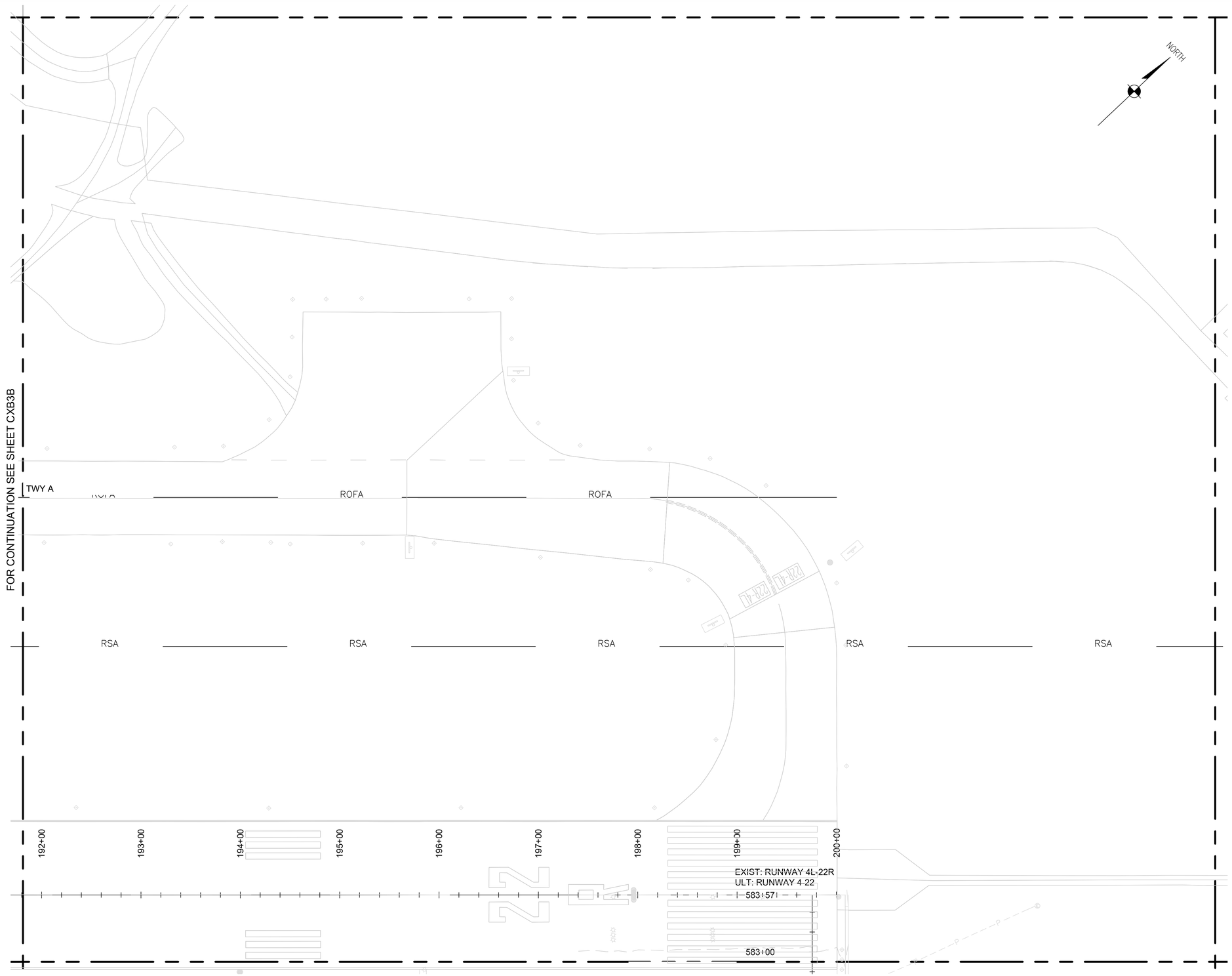
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB3B	018

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B4A

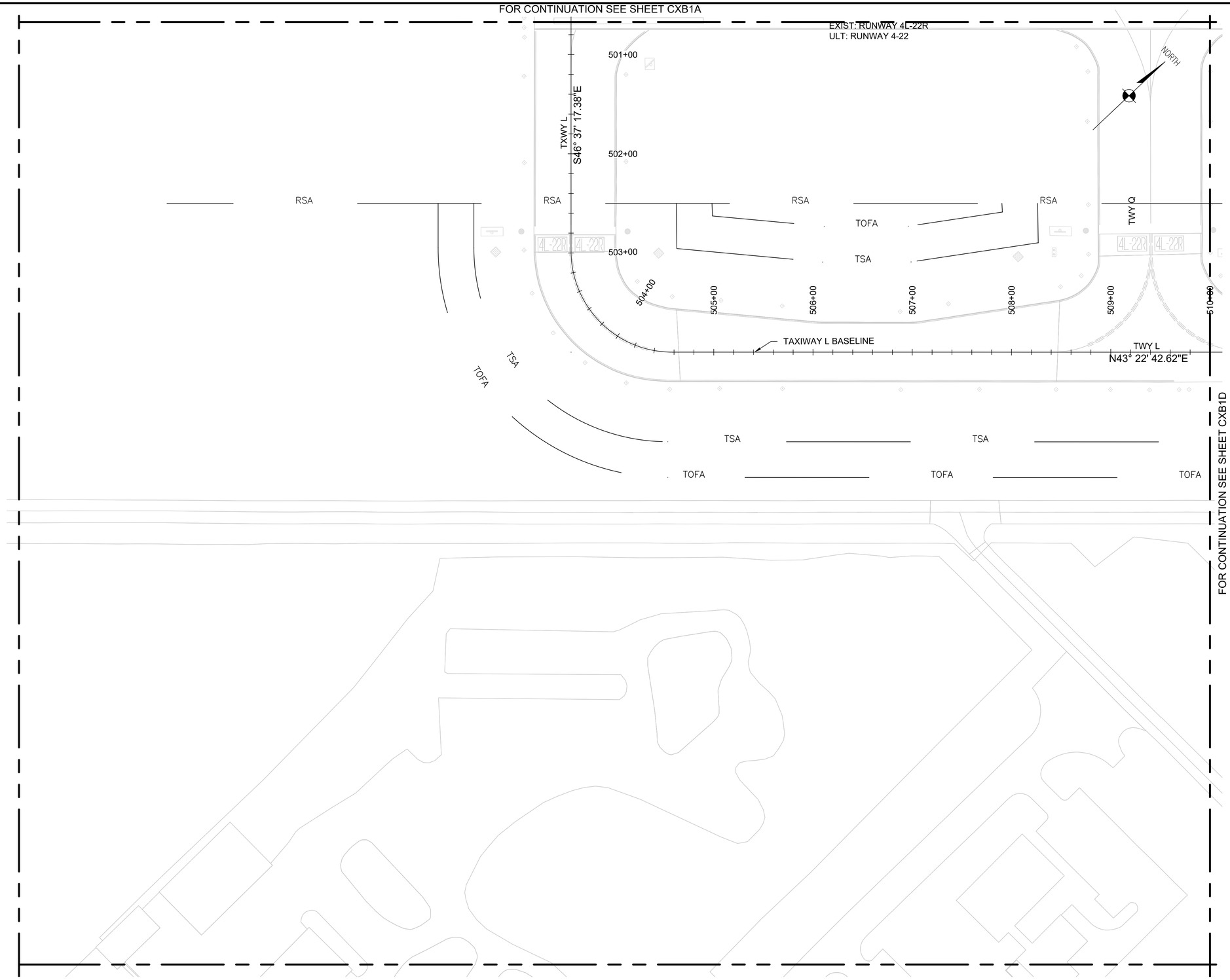
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB4A	019

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B1C

DESIGNED	W.T.B
DRAWN	G.T.H
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

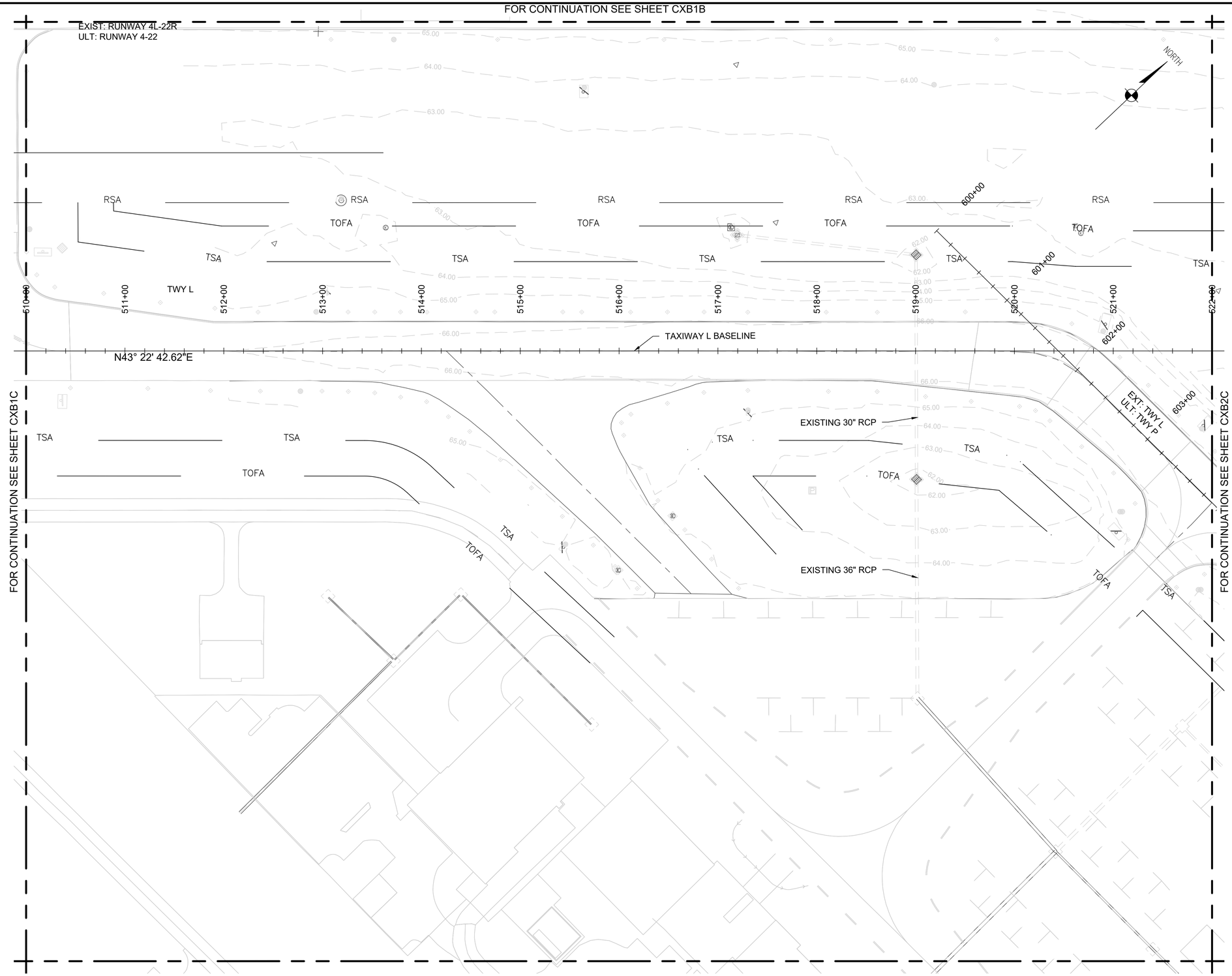
SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB1C	020

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CADD D3-R4

FOR CONTINUATION SEE SHEET CXB1B



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

- EXISTING GRATE INLET
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STATE OF LOUISIANA
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6/23/25

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B1D

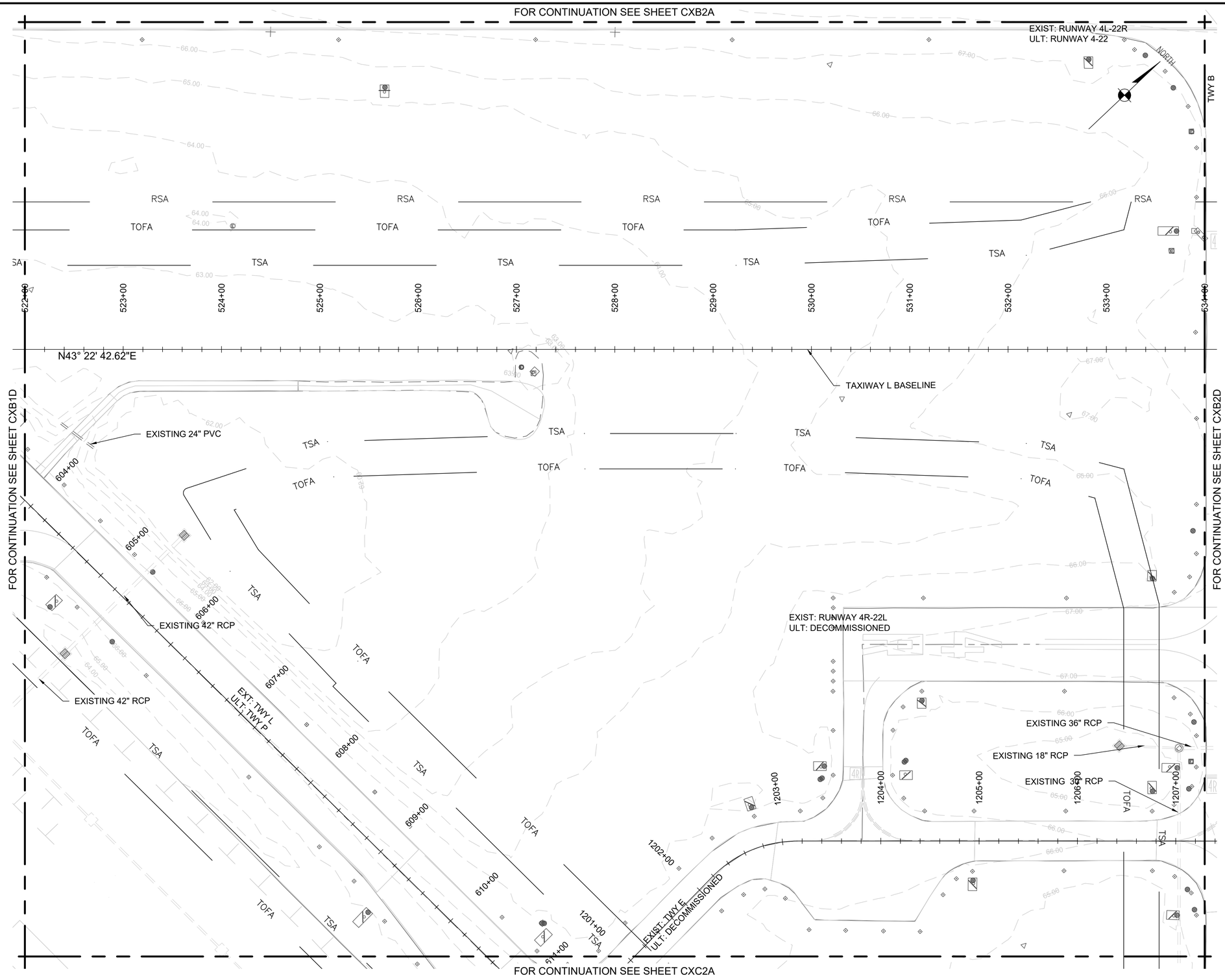
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APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
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SHEET ID	SHEET NO
CXB1D	021

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
- EXISTING TAXIWAY EDGE LIGHTING. SEE ELECTRICAL SHEETS
- EXISTING POWER VAULT. SEE ELECTRICAL SHEETS
- EXISTING ELECTRICAL EQUIPMENT. SEE ELECTRICAL SHEETS
- EXISTING ELECTRICAL POWER VAULT. SEE ELECTRICAL SHEETS
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- EXISTING CROSS CONNECTION BOX. SEE ELECTRICAL SHEETS
- EXISTING UNDERGROUND ELECTRICAL. SEE ELECTRICAL SHEETS
- EXISTING STORM PIPE
- ENHANCED TAXIWAY CENTERLINE PAVEMENT MARKING
- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B2C

DESIGNED	W.T.B.
DRAWN	C.T.H
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB2C	022

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B2D

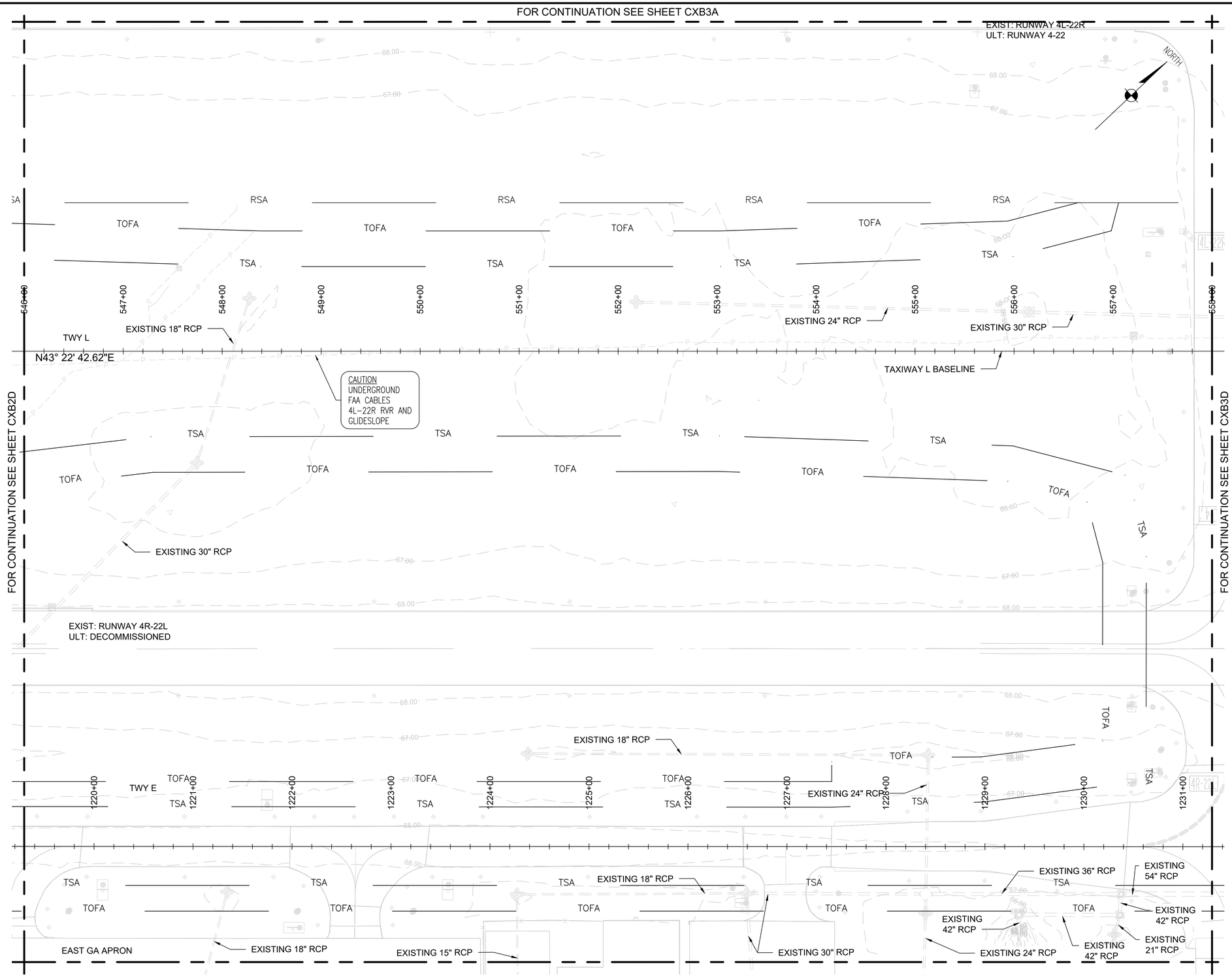
DESIGNED	W.T.B.
DRAWN	G.T.H
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB2D	023

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

- EXISTING GRATE INLET
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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B3C

DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB3C	024

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CADD D3-R4

FOR CONTINUATION SEE SHEET CXB3B

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

NORTH

ILS CRITICAL AREA

RSA

CAUTION
UNDERGROUND
FAA CABLES
4L–22R RVR AND
GLIDESLOPE

EXISTING RUNWAY VISUAL
RANGE TOUCHDOWN

EXISTING
18" RCP

EXISTING
30" RCP

EXISTING
42" RCP

EXISTING
48" RCP

EXISTING GLIDE SLOPE

TAXIWAY L BASELINE

N43° 22' 42.62"E

N60° 22' 30.08"E

RPZ

TWY G

TSA

TOFA

558+00
559+00
560+00
561+00
562+00
563+00
564+00
565+00
566+00
567+00
568+00
569+00
570+00

CAUTION
UNDERGROUND
FAA POWER CABLES
4L–22R RVR AND
GLIDESLOPE

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

TWY E

EXISTING
54" RCP

EXISTING
18" RCP

EXISTING
48"X62" CMPA

889+00
890+00
891+00
892+00
893+00
894+00
895+00
896+00
897+00
898+00
899+00
900+00
901+00

FOR CONTINUATION SEE SHEET CXC3B

FOR CONTINUATION SEE SHEET CXB3C

FOR CONTINUATION SEE SHEET CXB4C

NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
- EXISTING TAXIWAY EDGE LIGHTING. SEE ELECTRICAL SHEETS
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- EXISTING RUNWAY SURFACE PAINTED SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONIDTIONS PLAN – AREA B3D

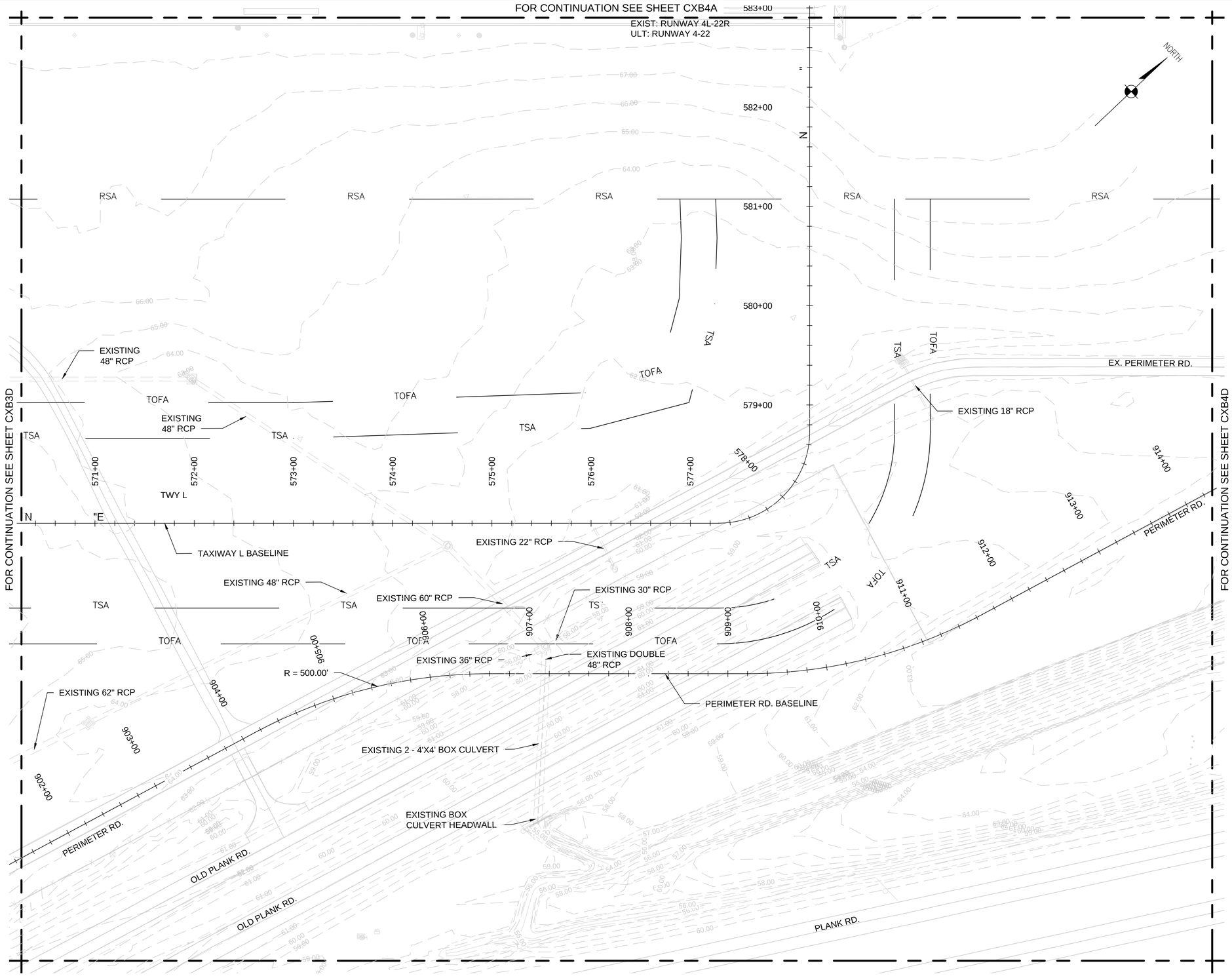
DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB3D	025

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS

LEGEND:

- EXISTING GRATE INLET
- EXISTING SIGN AND CONCRETE SLAB. SEE ELECTRICAL SHEETS
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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B4C

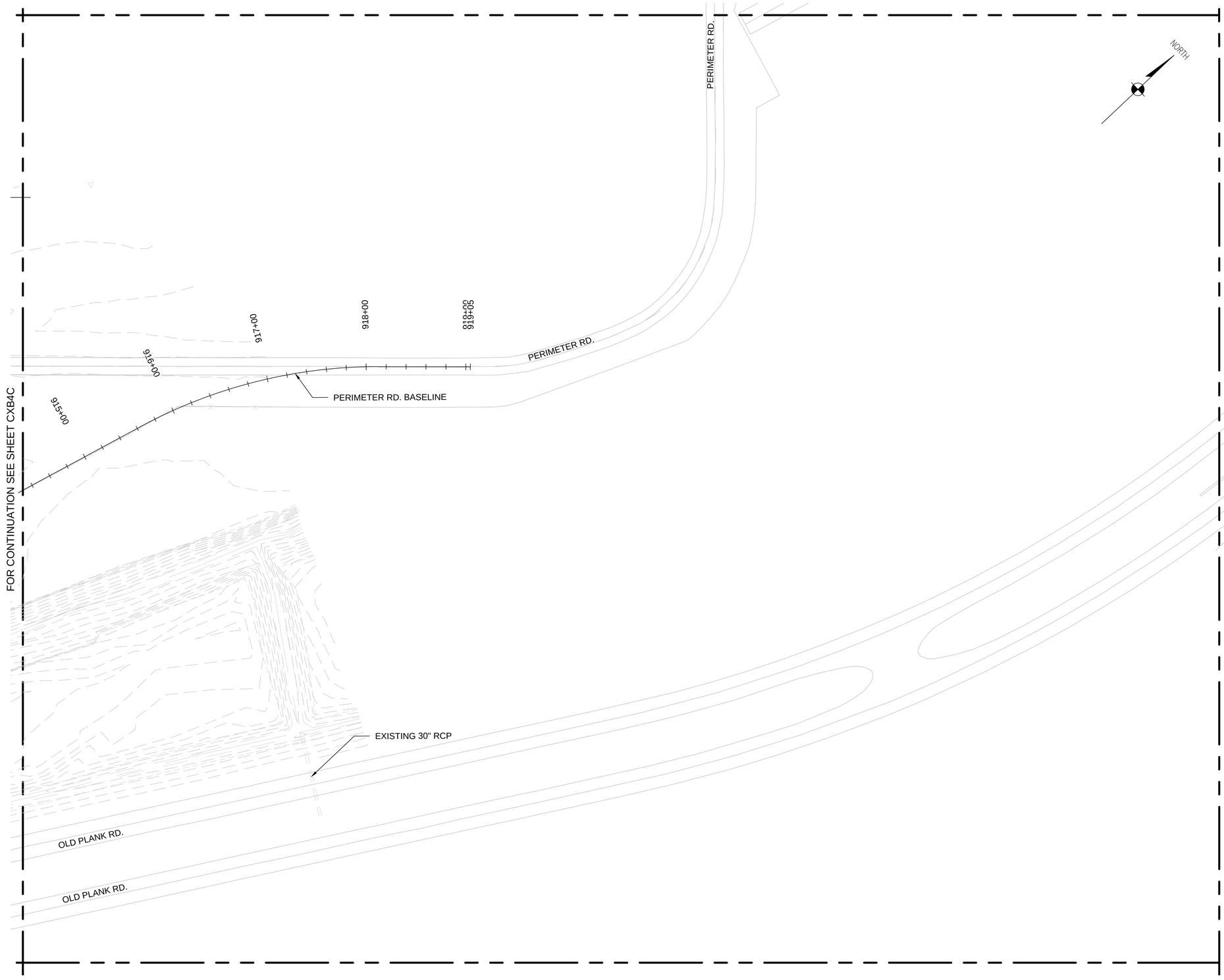
DESIGNED	W.T.B.
DRAWN	C.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB4C	026

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CADD D3-R4



NOTES:

1. SEE SHEET CX100 FOR EXISTING SHEETS

LEGEND:

- EXISTING GRATE INLET
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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA B4D

DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXB4D	027

CADD D3-R4

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FOR CONTINUATION SEE SHEET CXB2C



FOR CONTINUATION SEE SHEET CXC2B

NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA C2A

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

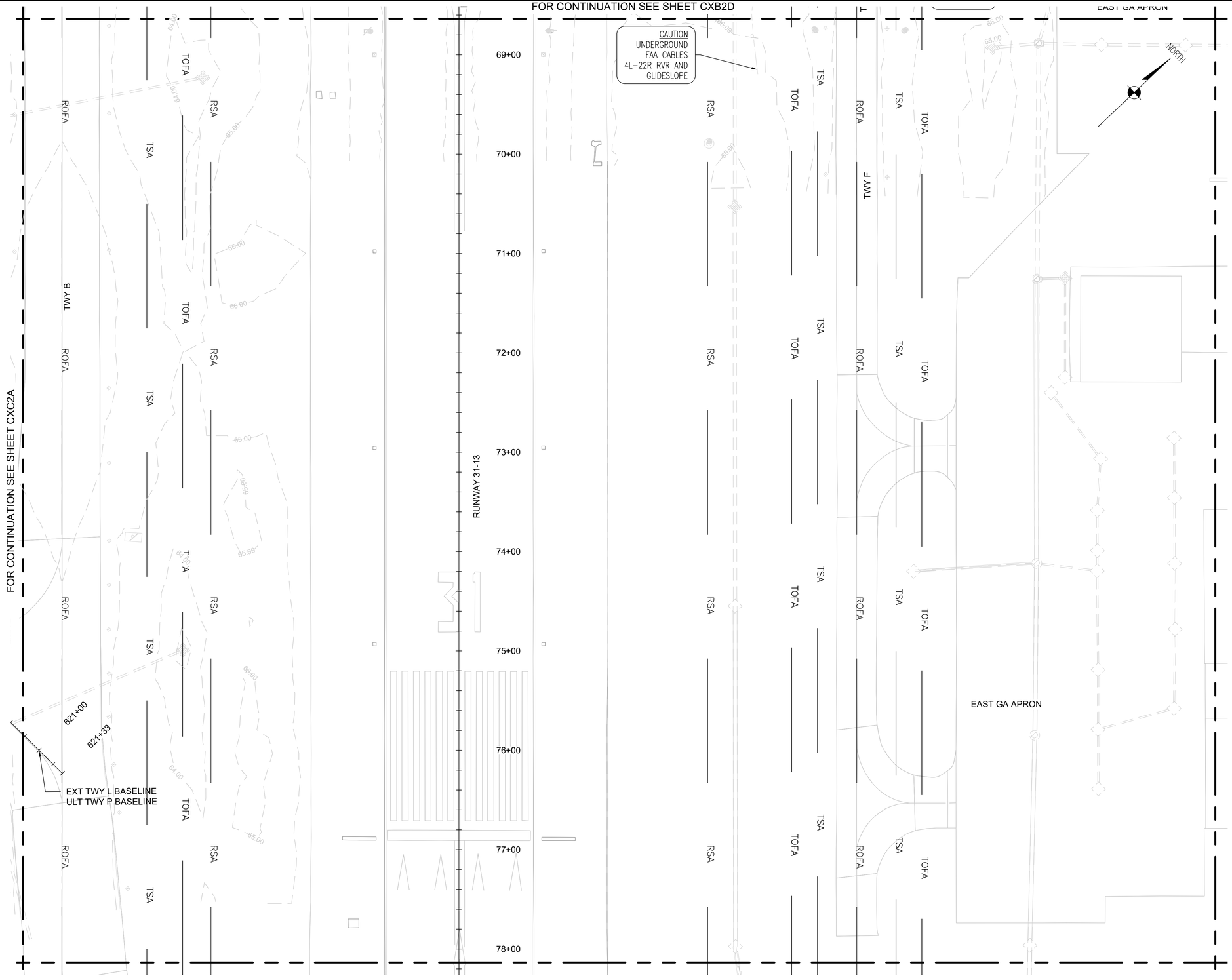
SHEET ID	SHEET NO
CXC2A	028

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CADD D3-R4

FOR CONTINUATION SEE SHEET CXB2D

FOR CONTINUATION SEE SHEET CXC2A



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA C2B

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

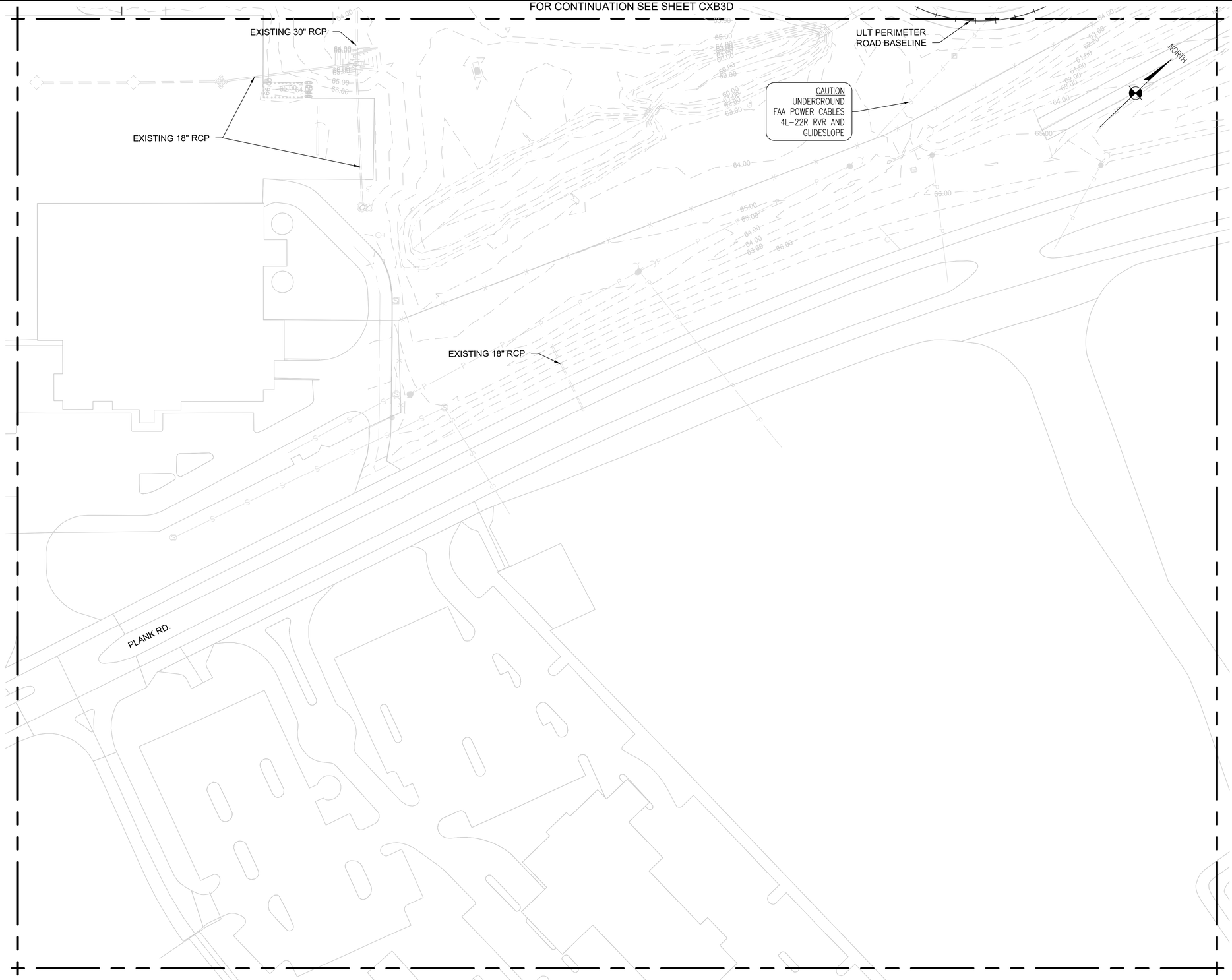
SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXC2B	029

CADD D3-R4

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FOR CONTINUATION SEE SHEET CXB3D



NOTES:

1. SEE SHEET CX100 FOR EXISTING CONDITIONS SHEETS.

LEGEND:

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STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN CIVIL ENGINEERING

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
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TAXIWAY LIMA EXTENSION

EXISTING CONDITIONS PLAN – AREA C3B

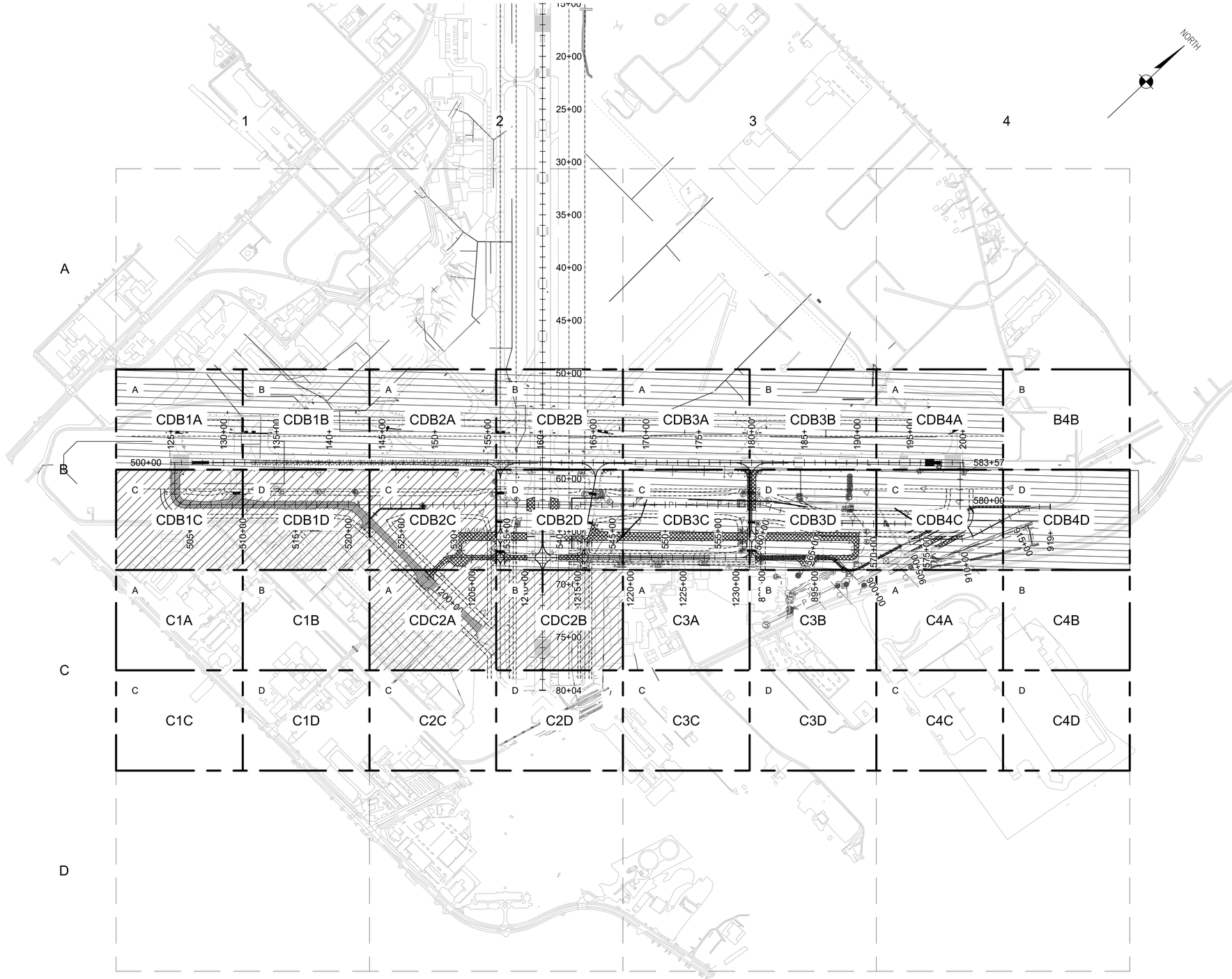
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CXC3B	030

CADD D3-R4

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NOTES:

1. EXISTING UTILITIES AND UNDERGROUND FACILITIES ARE LOCATED FROM AVAILABLE SURFACE INFORMATION. THE LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON THE INFORMATION AVAILABLE AT THE TIME OF THE DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXACT LOCATION DEPTH AND CONDITION OF ALL UTILITIES AND AIRPORT FACILITIES DURING THE CONSTRUCTION PERIOD. ANY CONFLICTING UTILITY INFORMATION SHALL BE REPORTED TO THE ENGINEER FOR ASSESSMENT.
2. CONTRACTOR TO VERIFY LIMITS PRIOR TO BEGINNING DEMOLITION.
3. CONTRACTOR TO PROTECT UTILITIES UNDERDRAIN SYSTEMS AND ELECTRICAL SYSTEMS THAT ARE TO REMAIN. DAMAGE TO THESE ITEMS ARE TO BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL SAWCUT FULL DEPTH PAVEMENT AT LIMITS OF DEMOLITION. CONTRACTOR TO PROTECT EDGE FROM SPALLS AND OTHER DAMAGE PRIOR TO AND DURING INSTALLATION OF PROPOSED PAVEMENT. THERE WILL BE NO SEPARATE PAYMENT FOR REPAIR.
5. PAVEMENT REMOVAL SHALL BE MEASURED PER S UARE YARD AND PAID UNDER TWO SEPARATE ITEMS: ASPHALT PAVEMENT REMOVAL AND CONCRETE AIRFIELD PAVEMENT REMOVAL.
6. SEE ELECTRICAL REMOVAL PLANS FOR THE REMOVAL OF ELECTRICAL E UIPMENT.
7. ANY DAMAGE TO ITEMS TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
8. DEMOLITION SHALL OCCUR IN PHASES IN ACCORDANCE WITH THE CONSTRUCTION SAFETY AND PHASING PLANS.
9. EXISTING PAVEMENT MARKING TO BE REMOVED PER 620-3.2.
10. SEE LIGHTING SIGNING SHEETS FOR DEMOLITION OF LIGHTING AND SIGNING.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
B. Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CIVIL DEMOLITION LOCATION PLAN

DESIGNED	W.T.B.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 500'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CD100	031

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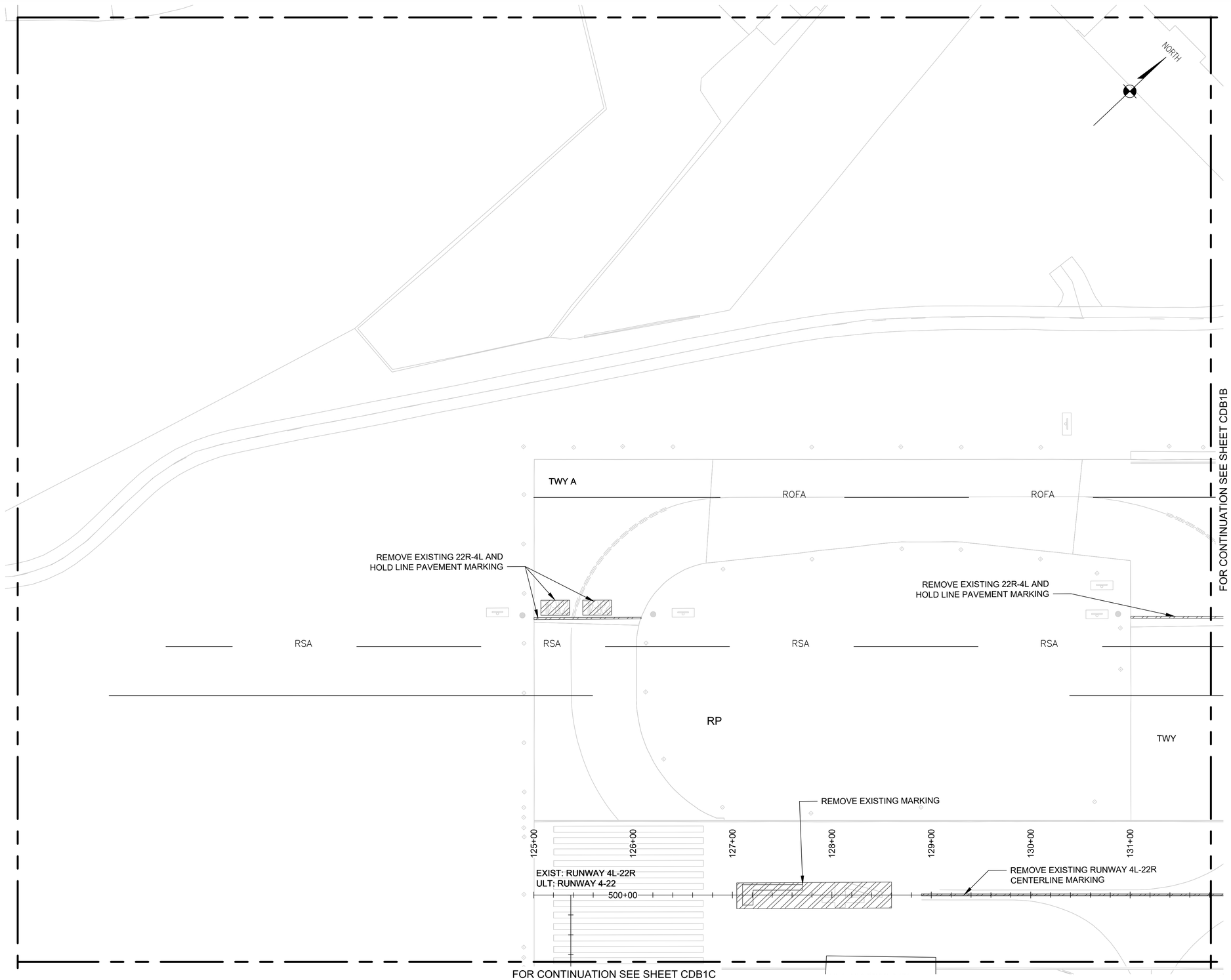
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/13/25

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Stanley Consultants INC.
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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B1A

DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB1A	032

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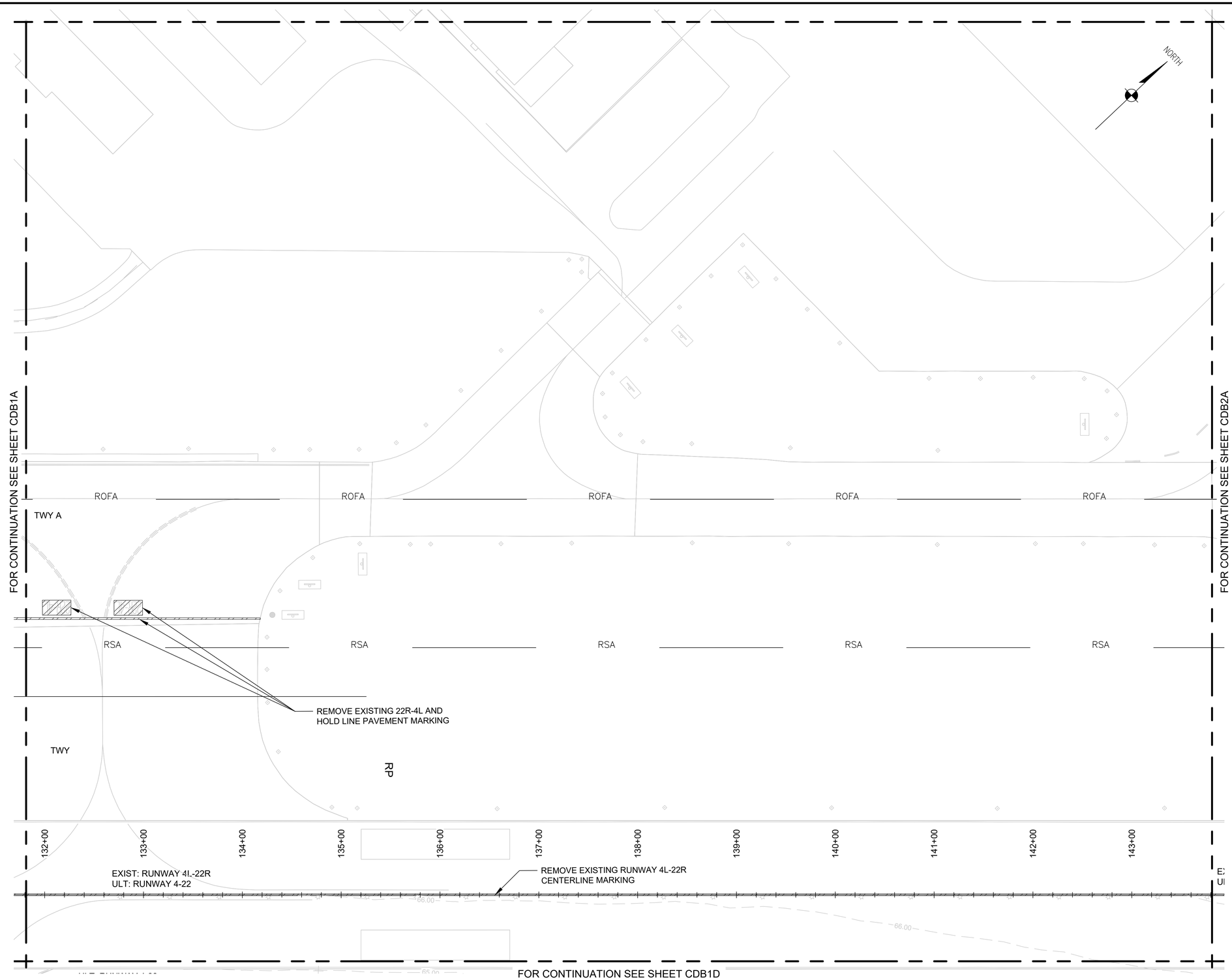
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B1B

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB1B	033

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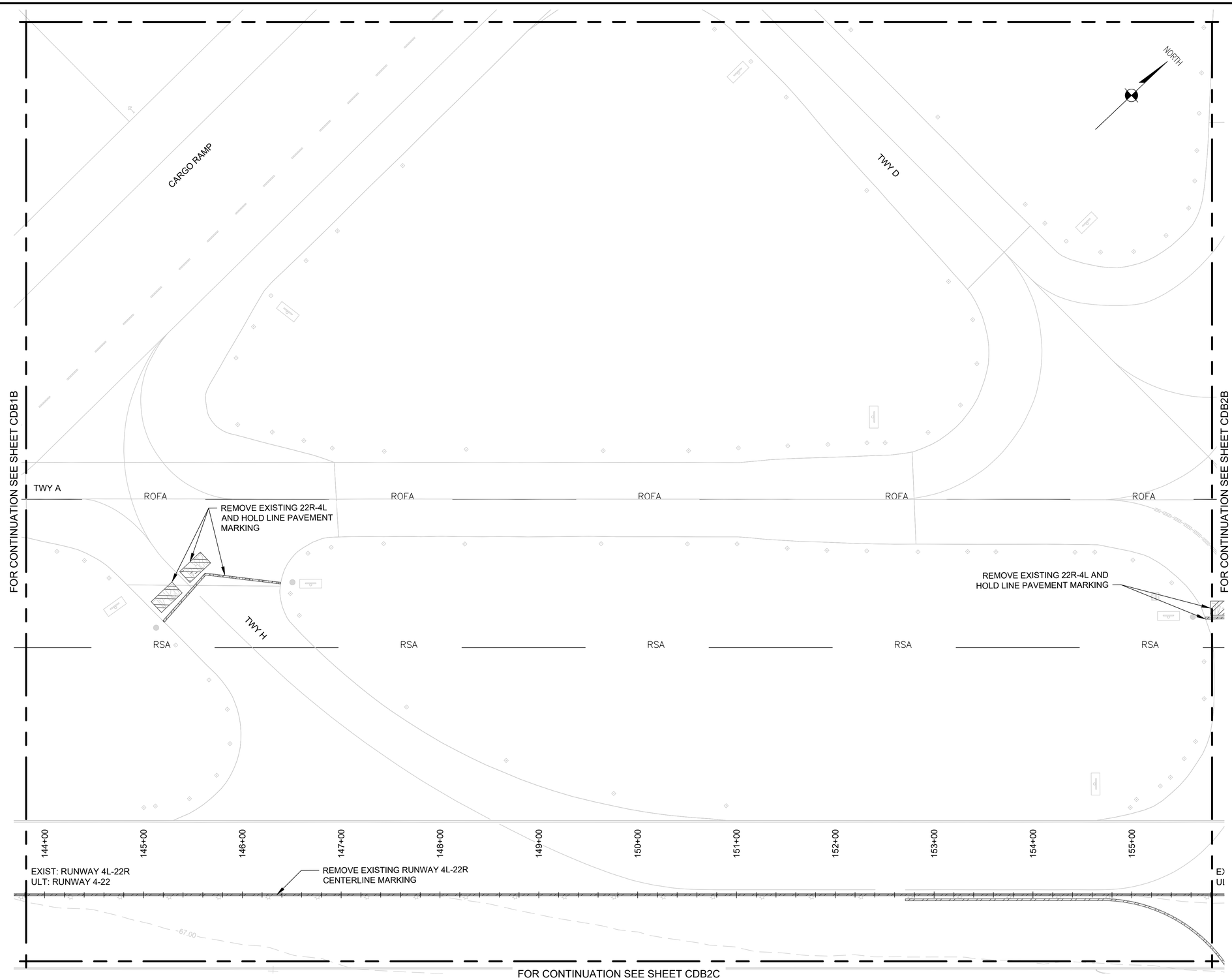
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B2A

DESIGNED	W.T.B.
DRAWN	G.T.H.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB2A	034

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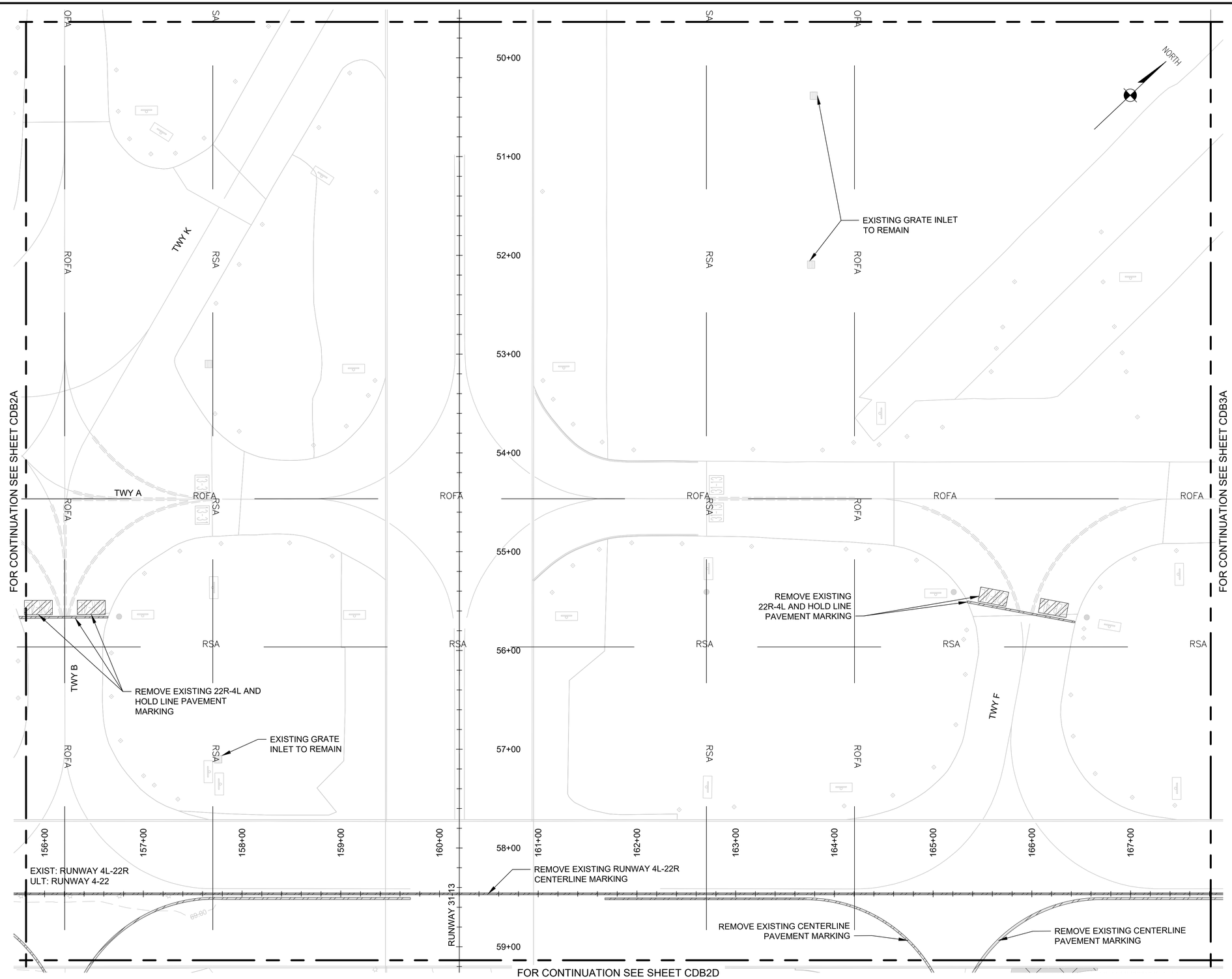
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B2B

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB2B	035

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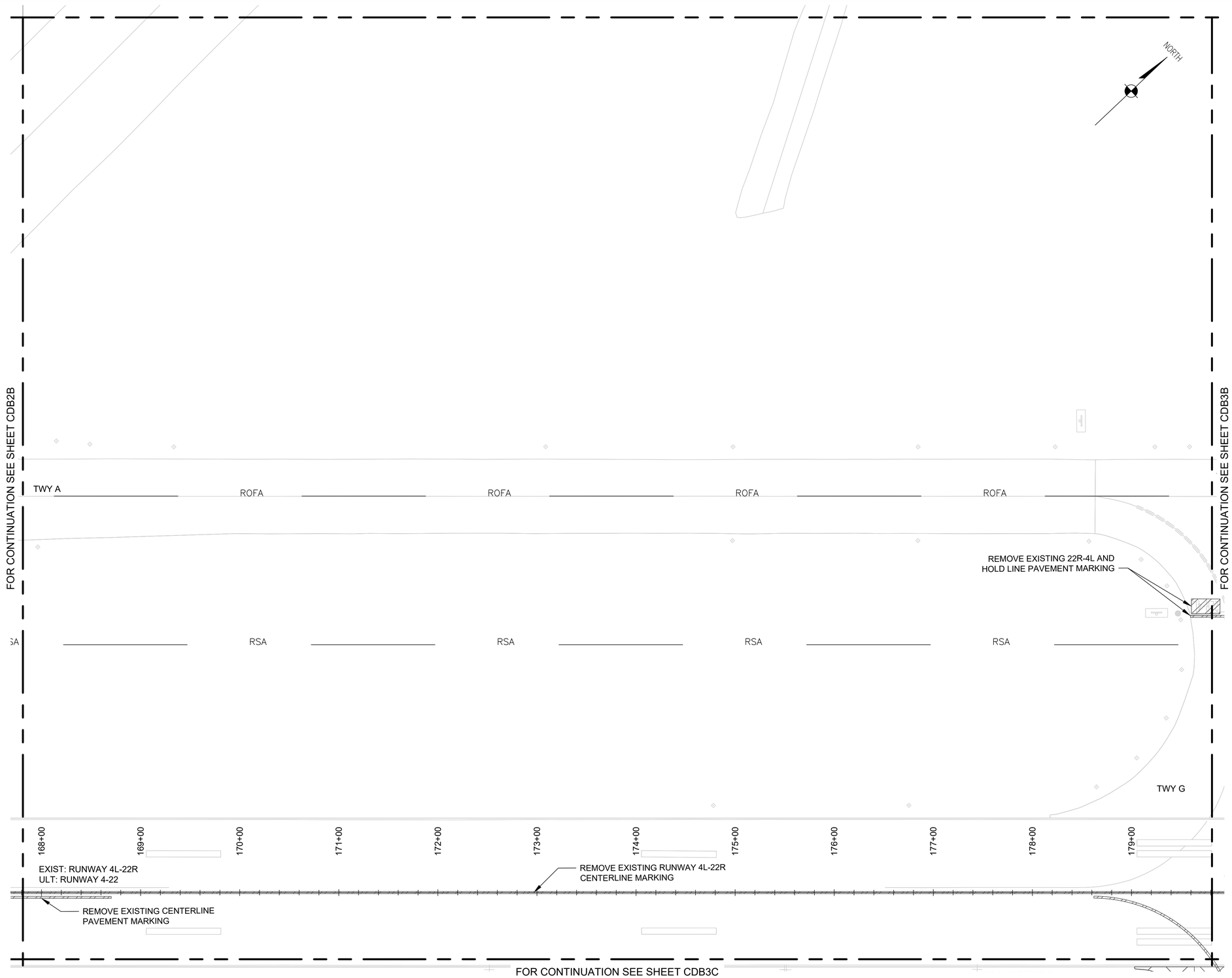
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE II.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



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6/19/25

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B3A

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB3A	036

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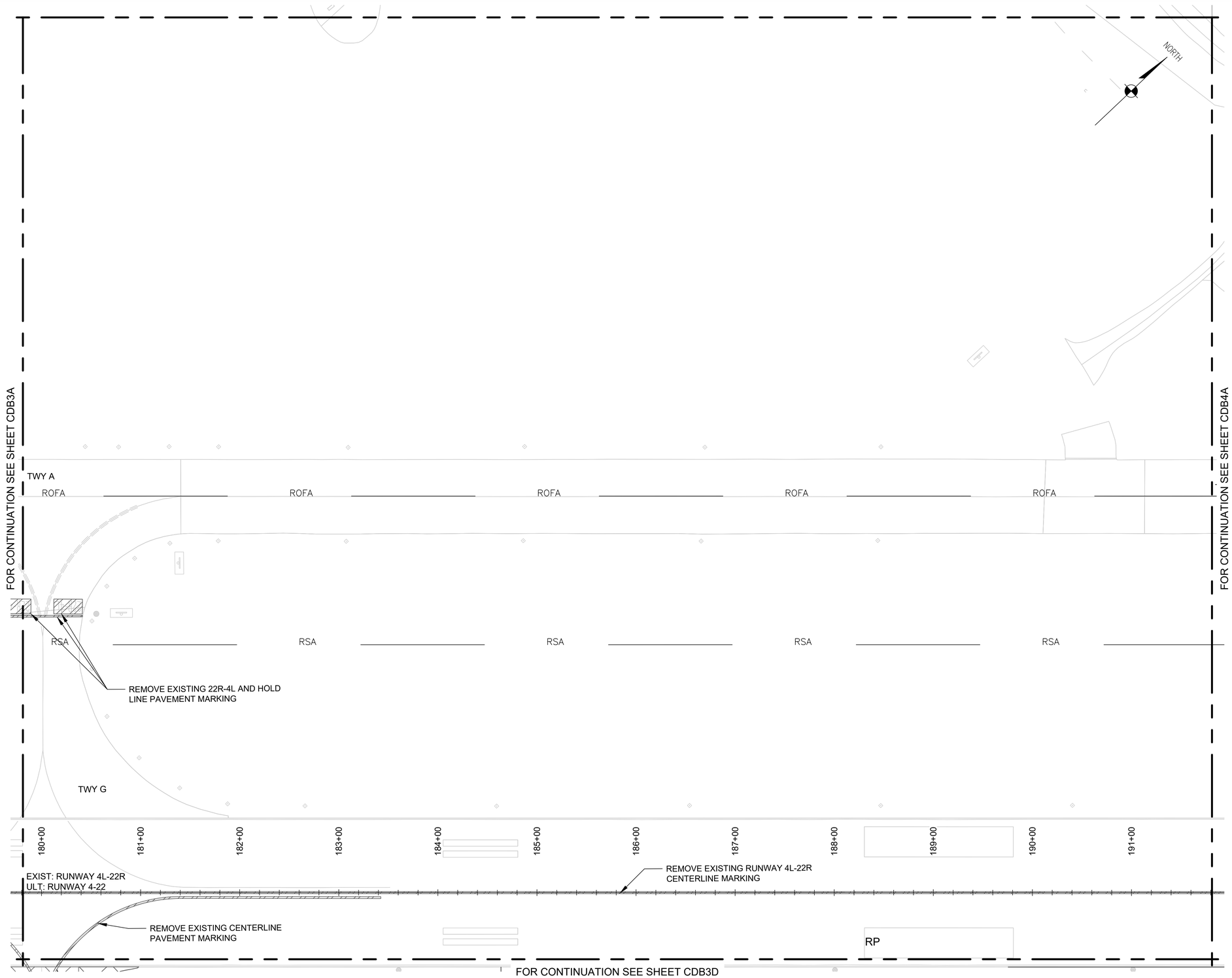
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



STATE OF LOUISIANA
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6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B3B

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB3B	037

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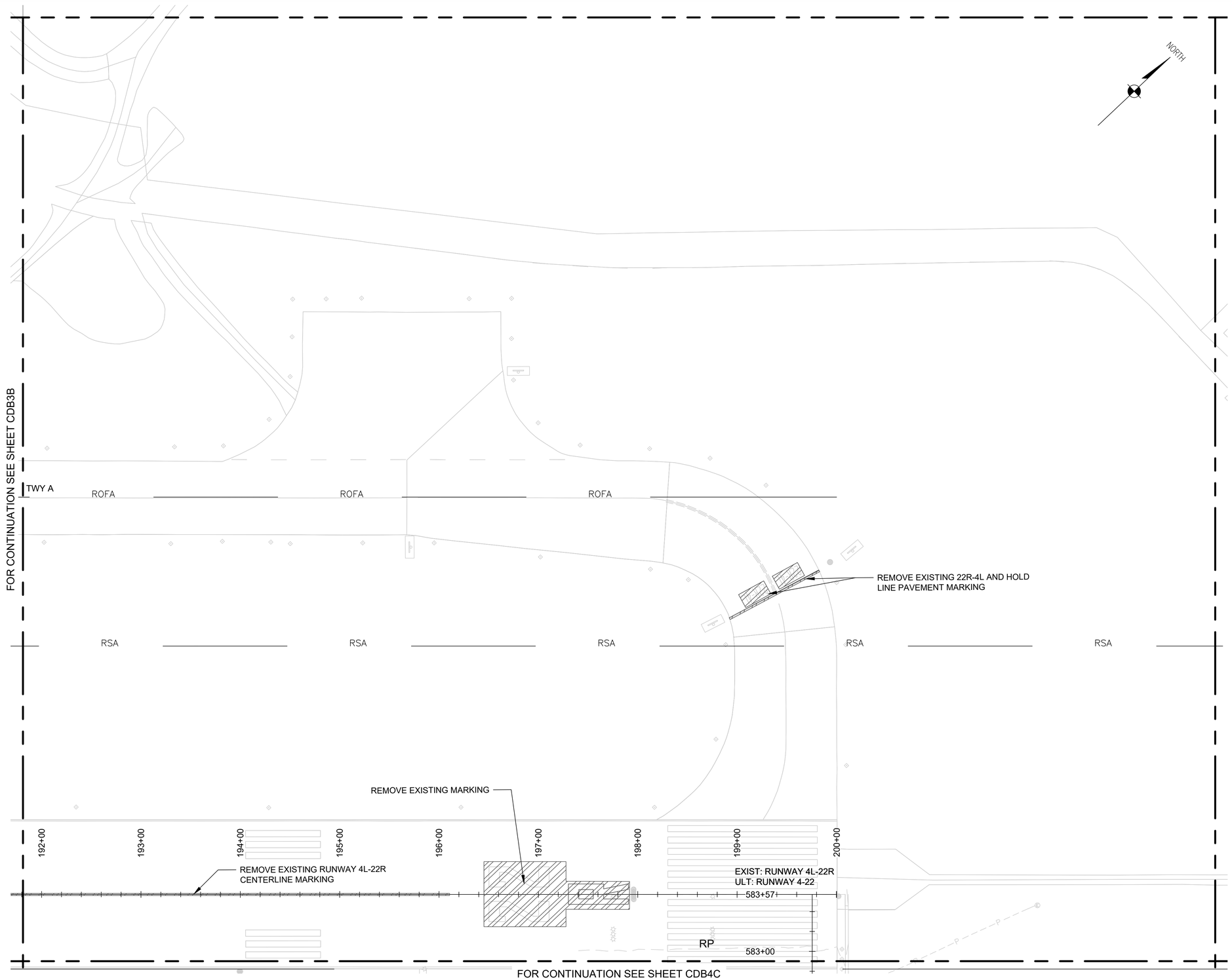
CADD D3-R4

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED



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6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B4A

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

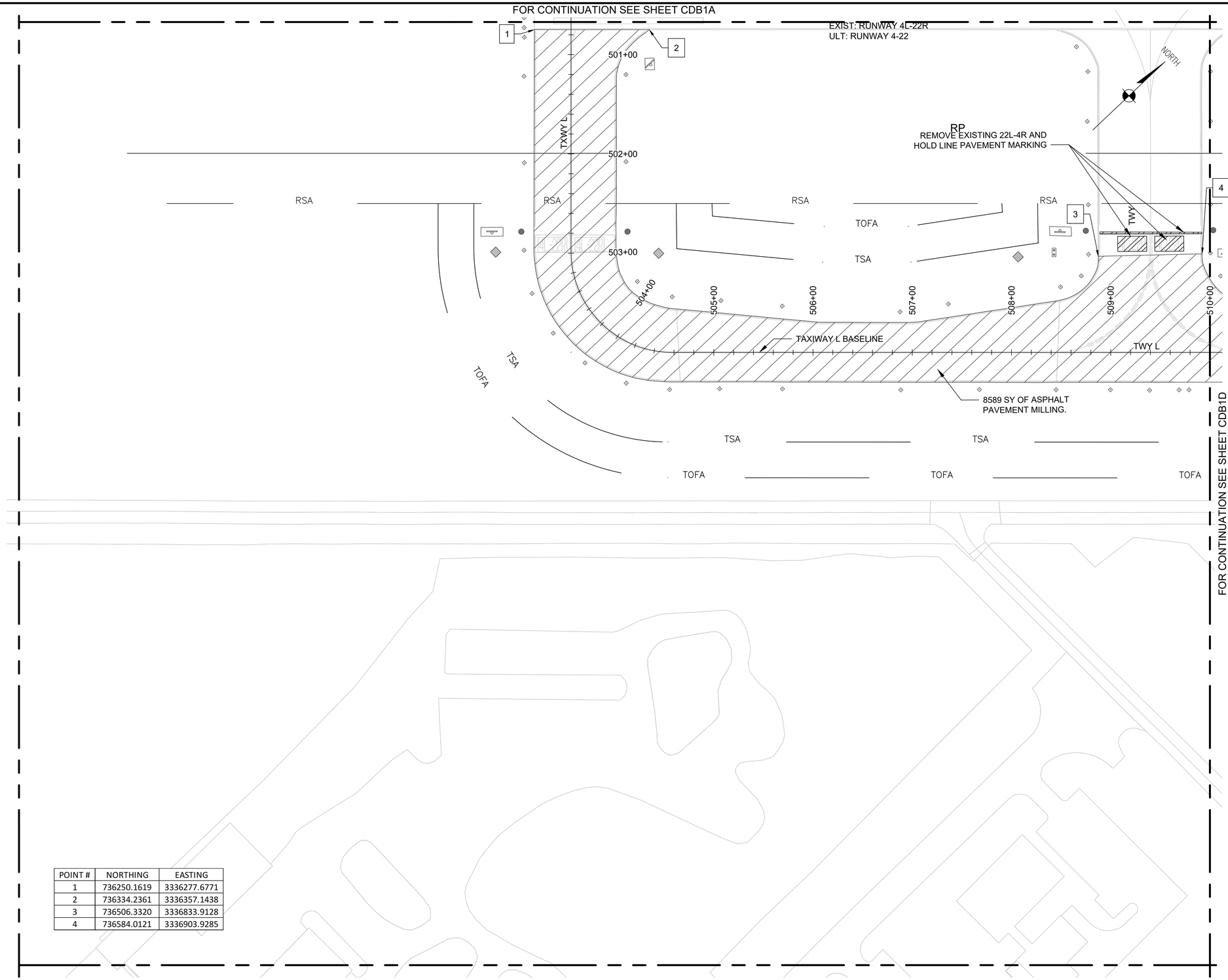
SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB4A	038

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB1A



FOR CONTINUATION SEE SHEET CDB1D

POINT #	NORTHING	EASTING
1	736250.1619	3336277.6771
2	736334.2361	3336357.1438
3	736506.3320	3336833.9128
4	736584.0121	3336903.9285

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE II.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
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CIVIL
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6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B1C

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

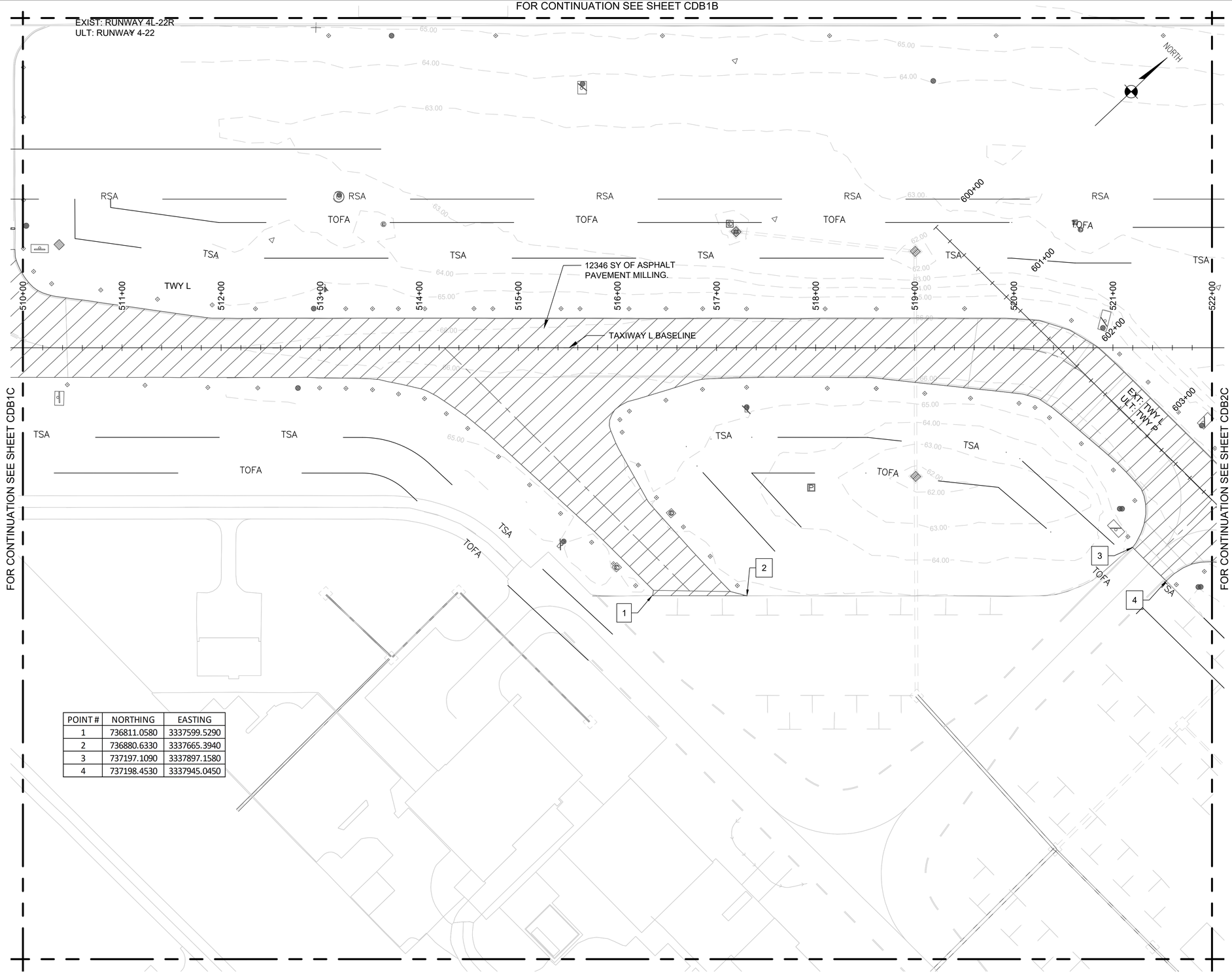
SHEET ID	SHEET NO
CDB1C	039

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB1B

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22



FOR CONTINUATION SEE SHEET CDB1C

FOR CONTINUATION SEE SHEET CDB2C

POINT #	NORTHING	EASTING
1	736811.0580	3337599.5290
2	736880.6330	3337665.3940
3	737197.1090	3337897.1580
4	737198.4530	3337945.0450

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. SEE SHEET G014 CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IE FOR MILL/OVERLAY AND NEW PAVING SE UENCE OF CONSTRUCTION NOTES.
3. CONTRACTOR ASPHALT PAVING PLAN TO BE SUBMITTED FOR APPROVAL FROM THE PROJECT ENGINEER PRIOR TO COMMENCING MILL AND OVERLAY OR ASPHALT PAVING.
4. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B1D

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

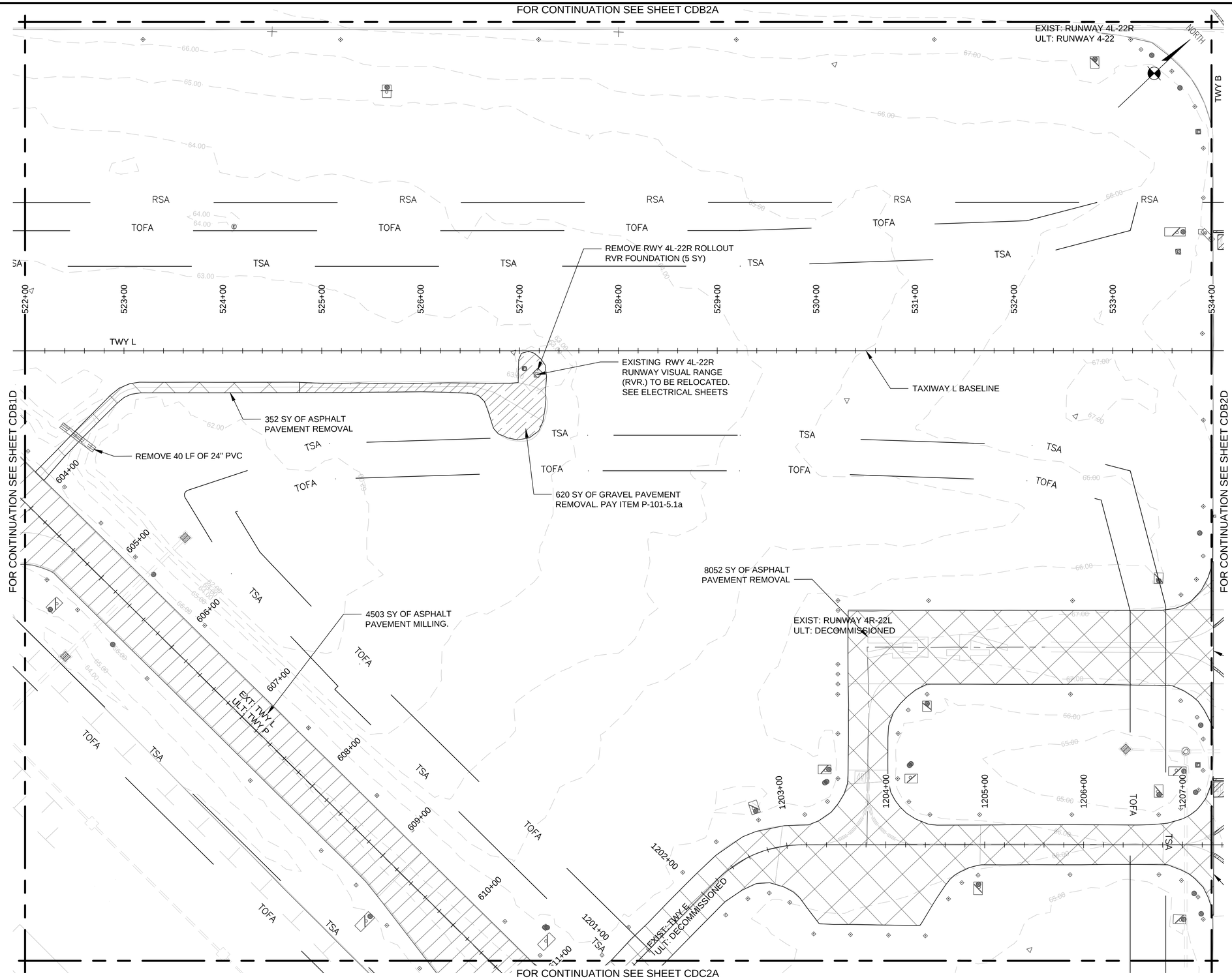
SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB1D	040

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB2A



FOR CONTINUATION SEE SHEET CDC2A

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
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Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B2C

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: CDB2C
SHEET NO: 041

CADD 03-R4

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FOR CONTINUATION SEE SHEET CDB2B

POINT #	NORTHING	EASTING
1	737875.2141	3339046.2771
2	737971.3878	3338944.4884
3	738004.9059	3338909.0134
4	738120.9081	3338786.2386
5	737932.7860	3339094.5502
6	738021.7869	3339000.3531
7	738059.4113	3338960.5320
8	738175.0271	3338838.1662
9	738118.4830	3339208.0490
10	738147.5110	3339177.7780
11	738150.5585	3339283.3319
12	738224.4506	3339204.7949
13	738243.8370	3339073.3760
14	738295.5650	3339017.9710
15	738299.9313	3339127.0100
16	738350.5235	3339070.3983

POINT #	NORTHING	EASTING
17	738441.0953	3338866.8892
18	738511.8680	3338790.9270
19	738481.5943	3338931.7230
20	738579.5523	3338828.0574
21	738262.9445	3339380.5954
22	738333.2464	3339305.8520
23	738335.4870	3339412.7050
24	738365.0290	3339383.6770
25	738405.6403	3339226.9094
26	738457.2469	3339173.5036
27	738460.5110	3339278.4840
28	738511.0930	3339223.6060
29	738590.6906	3339034.6532
30	738688.4959	3338931.1666
31	738657.5052	3339071.3064

POINT #	NORTHING	EASTING
32	738728.8779	3338995.8131
33	738474.2992	3339601.8178
34	738559.2477	3339511.8404
35	738486.7390	3339646.7010
36	738591.3579	3339536.0963
37	738606.4430	3339454.2350
38	738731.9782	3339321.6019
39	738619.0040	3339506.5890
40	738658.1484	3339465.3519
41	738781.2520	3339398.3837
42	738832.8410	3339360.6410
43	738690.5480	3339845.9990
44	739138.4011	3339135.9301
45	739214.8867	3339079.7241
46	739277.8330	3339139.1300

REMOVE EXISTING ENHANCED CENTERLINE PAVEMENT MARKING

REMOVE EXISTING 22L-4R AND HOLD LINE PAVEMENT MARKING

1017 SY OF ASPHALT PAVEMENT REMOVAL

1002 SY OF ASPHALT PAVEMENT REMOVAL

EXISTING GRATE INLET TO BE REMOVED

EXISTING GRATE INLET TO BE REMOVED

ABANDON IN PLACE PLUG AND FILL WITH P-153 CLSM 312 LF EXISTING 24" RCP

TAXIWAY L BASELINE

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

860 LF OF EXISTING 30" RCP TO BE REMOVED

CAUTION UNDERGROUND FAA CABLES 4L-22R RVR AND GLIDESLOPE

REMOVE EXISTING TAXIWAY CENTERLINE AND THRESHOLD LINE

REMOVE EXISTING 22L-4R AND THRESHOLD BAR PAVEMENT MARKING

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

CAUTION UNDERGROUND FAA CABLES RTR

REMOVE EXISTING 22R-4L AND HOLD LINE PAVEMENT MARKING

REMOVE EXISTING TAXIWAY CENTERLINE AND THRESHOLD LINE

1896 SY OF ASPHALT PAVEMENT REMOVAL

2236 SY OF ASPHALT PAVEMENT REMOVAL

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

REMOVE EXISTING TAXIWAY CENTERLINE

3426 SY OF ASPHALT PAVEMENT REMOVAL PHASE II

EXIST: RUNWAY 4R-22L ULT: DECOMMISSIONED

REMOVE RWY 4R-22L CENTERLINE

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

160 LF OF EXISTING 30" RCP TO BE REMOVED PHASE II

REMOVE EXISTING MARKING

REMOVE EXIST TAXIWAY CENTERLINE AND HOLD LINE

REMOVE RWY 4R-22L CENTERLINE

EXISTING SIGN. SEE ELECTRICAL SHEETS

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

1143 SY OF ASPHALT PAVEMENT REMOVAL

CAUTION UNDERGROUND FAA CABLES RTR

REMOVE EXISTING 22L-4R AND THRESHOLD BAR PAVEMENT MARKING

EXIST: TWY E ULT: DECOMMISSIONED

EXIST: TWY E

2040 SY OF ASPHALT PAVEMENT MILLING. PHASE II

1084 SY OF ASPHALT PAVEMENT REMOVAL

REMOVE EXISTING ENHANCED TAXIWAY CENTERLINE

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

REMOVE RWY 4R-2L CENTERLINE

REMOVE EXISTING TAXIWAY CENTERLINE

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

REMOVE EXIST ENHANCED TAXIWAY CENTERLINE AND HOLD LINE

194 SY OF CONCRETE PAVEMENT REMOVAL

REMOVE EXISTING CENTERLINE PAVEMENT MARKING

5 SY OF CONCRETE PAVEMENT REMOVAL

REMOVE EXISTING 22R-4L AND HOLD LINE PAVEMENT MARKING

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

EAST GA APRON

TWY B · TWY F · TWY L · RUNWAY 31-13 · RSA · ROFA · TSA · TOFA

534+00 · 535+00 · 536+00 · 537+00 · 538+00 · 62+00 · 539+00 · 540+00 · 541+00 · 542+00 · 543+00 · 544+00 · 545+00 · 546+00 · 63+00 · 64+00 · 65+00 · 66+00 · 67+00 · 68+00 · 1208+00 · 1209+00 · 1210+00 · 1211+00 · 1212+00 · 1213+00 · 1214+00 · 1215+00 · 1216+00 · 1217+00 · 1218+00 · 1219+00

FOR CONTINUATION SEE SHEET CDB2C

FOR CONTINUATION SEE SHEET CDB3C

FOR CONTINUATION SEE SHEET CDC2B

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. WORK NORTH OF TAXIWAY B NOT INCLUDED IN PHASE I ALTERNATE 2.
3. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

1. FAA CABLES AND OTHER UTILITIES ARE BEING CROSSED AND MUST REMAIN ACTIVE FOR DURATION OF PROJECT. CONTRACTOR RESPONSIBLE FOR ANY REPAIRS TO DAMAGED LINES AT NO ADDITIONAL COST TO THE OWNER.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
PRINT
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B2D

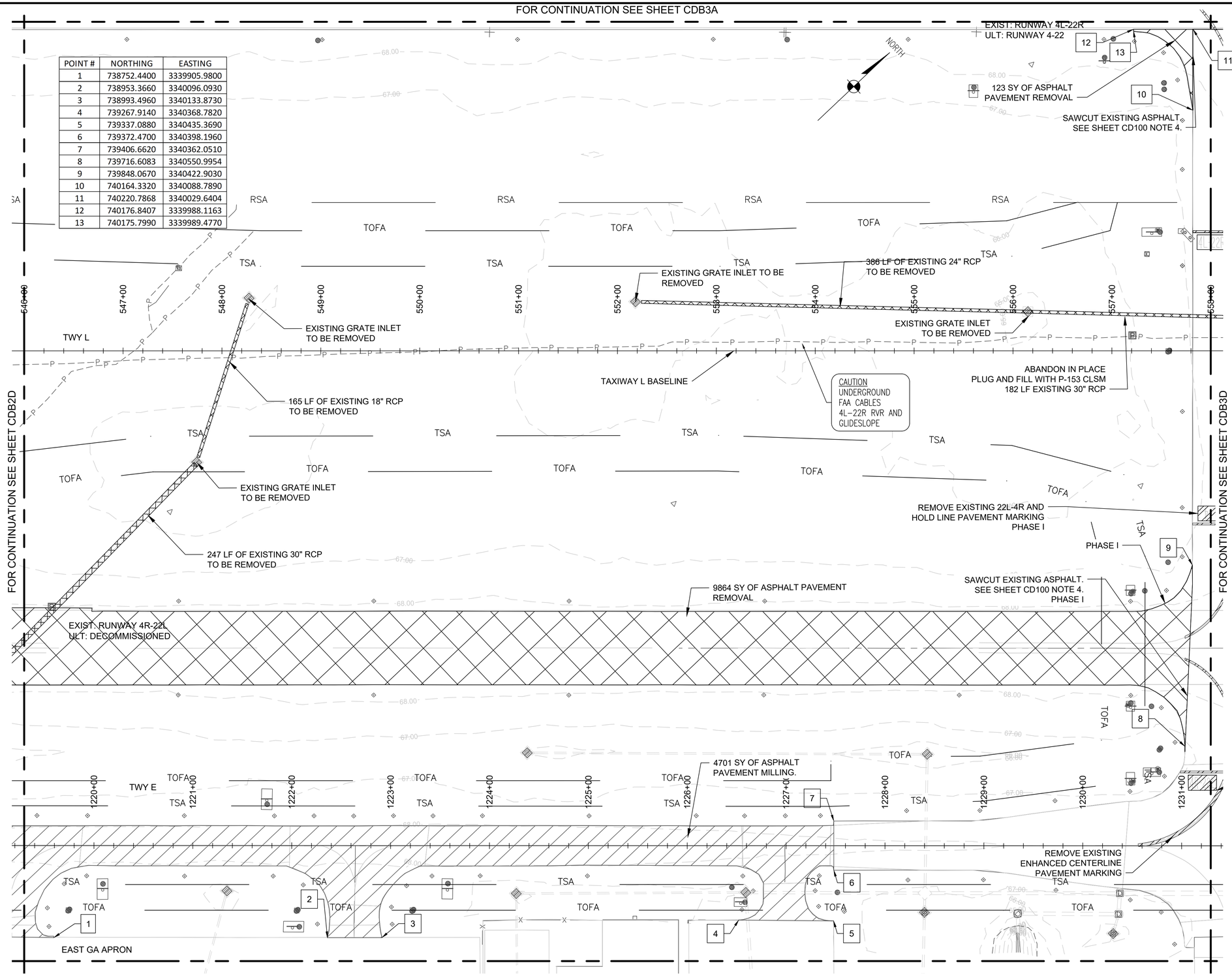
DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB2D	042

CADD D3-R4

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POINT #	NORTHING	EASTING
1	738752.4400	3339905.9800
2	738953.3660	3340096.0930
3	738993.4960	3340133.8730
4	739267.9140	3340368.7820
5	739337.0880	3340435.3690
6	739372.4700	3340398.1960
7	739406.6620	3340362.0510
8	739716.6083	3340550.9954
9	739848.0670	3340422.9030
10	740164.3320	3340088.7890
11	740220.7868	3340029.6404
12	740176.8407	3339988.1163
13	740175.7990	3339989.4770

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE II UNLESS OTHERWISE NOTED AS PHASE I. PHASE I IS NOT IN THIS CONTRACT.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

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B. Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B3C

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB3C	043

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CADD 03-R4

FOR CONTINUATION SEE SHEET CDB3B

FOR CONTINUATION SEE SHEET CDB3C

FOR CONTINUATION SEE SHEET CDB4C

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

119 SY OF ASPHALT PAVEMENT REMOVAL

REMOVE EXISTING CENTERLINE PAVEMENT MARKING PHASE I

ABANDON IN PLACE
PLUG AND FILL WITH P-153 CLSM
216 LF EXISTING 30" RCP

CAUTION
UNDERGROUND
FAA CABLES
4L-22R RVR AND
GLIDESLOPE

EXISTING GRATE INLET TO BE REMOVED

325 LF EXISTING 42" RCP TO BE REMOVED

POINT #	NORTHING	EASTING
1	739666.9453	3340723.3905
2	739700.4282	3340688.0426
3	739714.1822	3340673.5226
4	739764.0780	3340620.6090
5	739785.9210	3340597.6480
6	739904.3380	3340472.7752
7	740196.6123	3341157.1987
8	740219.7943	3341193.0591
9	740244.6191	3341216.6714
10	740210.3531	3341142.6664
11	740414.0930	3341023.0620
12	740447.3240	3341053.3410
13	740553.8244	3340897.8534
14	740562.7691	3340906.2403
15	740211.6917	3340147.1582
16	740274.5723	3340080.4650
17	740318.8230	3340122.2777

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

285 SY OF ASPHALT PAVEMENT REMOVAL

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4. PHASE I

PHASE I

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

REMOVE EXISTING 22L-4R AND THRESHOLD BAR PAVEMENT MARKING

12732 SY OF ASPHALT PAVEMENT REMOVAL

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.

PERIMETER ROAD BASELINE

RSA, TSA, TOFA, RP, TWY G, TWY L, TWY E, 4L-22R, 22L, NORTH

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE II UNLESS OTHERWISE NOTED AS PHASE I. PHASE I IS NOT IN THIS CONTRACT.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

1. FAA CABLES AND OTHER UTILITIES ARE BEING CROSSED AND MUST REMAIN ACTIVE FOR DURATION OF PROJECT. CONTRACTOR RESPONSIBLE FOR ANY REPAIRS TO DAMAGED LINES AT NO ADDITIONAL COST TO THE OWNER.
2. EXPOSE UTILITY BY HAND DIGGING FROM IN AREAS OF CONFLICT.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B3D

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB3D	044

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB4A

FOR CONTINUATION SEE SHEET CDB3D

FOR CONTINUATION SEE SHEET CDB4D

EXIST. RUNWAY 4L-22R
ULT. RUNWAY 4-22

583+00
582+00
581+00
580+00
579+00
578+00
577+00
576+00
575+00
574+00
573+00
572+00
571+00
914+00
913+00
912+00
911+00
910+00
909+00
908+00
907+00
906+00
905+00
904+00
903+00
902+00

POINT #	NORTHING	EASTING
1	740790.7200	3341537.2900
2	740784.9600	3341554.1000
3	740895.6000	3341565.8200
4	740944.3000	3341597.0200
5	740823.6300	3341644.5200
6	740959.8000	3341710.8400
7	740970.3000	3341722.1000
8	741099.5000	3341718.7600
9	741155.5600	3341771.7300
10	741013.5700	3341768.4900
11	741061.5300	3341819.9000
12	741207.1400	3341820.4700
13	741284.1300	3341880.0500
14	740833.9022	3341264.8409
15	740846.3890	3341276.6404
16	740817.8875	3341318.5011
17	740831.2487	3341331.1267

RSA
TOFA
TSA
RP
299 LF EXISTING 48" RCP TO BE REMOVED
SAWCUT EXISTING ASPHALT. SEE SHEET CD100 NOTE 4.
527 SY OF ASPHALT PAVEMENT REMOVAL
EXISTING DRAINAGE MANHOLE TO BE REMOVED
90 LF EXISTING 60" RCP TO BE REMOVED
EXISTING GRATE INLET TO BE REMOVED
62 LF OF EXISTING 18" RCP TO BE REMOVED
EXISTING PERIMETER SECURITY FENCE TO BE REMOVED
TAXIWAY L BASELINE
150 LF EXISTING 48" RCP TO BE REMOVED
99 SY OF ASPHALT PAVEMENT REMOVAL
41 LF OF EXISTING 48" RCP TO BE REMOVED
EXISTING 36" RCP TO BE REMOVED
EXISTING 30" RCP TO BE REMOVED
PERIMETER ROAD BASELINE
935 SY OF ASPHALT PAVEMENT REMOVAL
885 SY OF ASPHALT PAVEMENT REMOVAL
EX. PERIMETER RD.
PERIMETER RD.
OLD PLANK RD.
PLANK RD.

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

1. FAA CABLES AND OTHER UTILITIES ARE BEING CROSSED AND MUST REMAIN ACTIVE FOR DURATION OF PROJECT. CONTRACTOR RESPONSIBLE FOR ANY REPAIRS TO DAMAGED LINES AT NO ADDITIONAL COST TO THE OWNER.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B4C

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

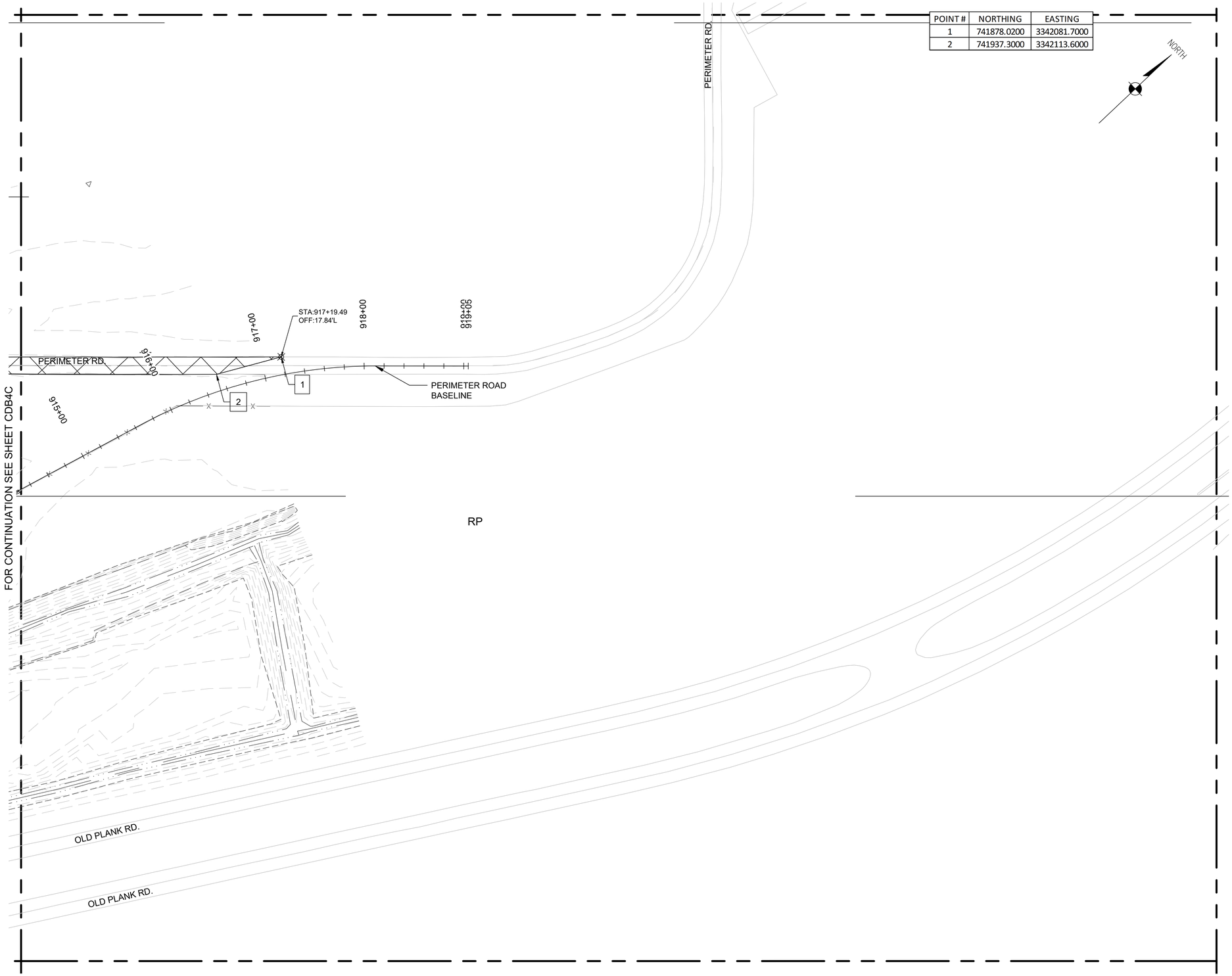
SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB4C	045

CADD D3-R4

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POINT #	NORTHING	EASTING
1	741878.0200	3342081.7000
2	741937.3000	3342113.6000



NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

1. FAA CABLES AND OTHER UTILITIES ARE BEING CROSSED AND MUST REMAIN ACTIVE FOR DURATION OF PROJECT. CONTRACTOR RESPONSIBLE FOR ANY REPAIRS TO DAMAGED LINES AT NO ADDITIONAL COST TO THE OWNER.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA B4D

DESIGNED W.T.B.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDB4D	046

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB2C

POINT #	NORTHING	EASTING
1	737341.8500	3338609.3100
2	737347.5200	3338751.9600
3	737216.6767	3338632.8159
4	737221.1957	3338740.5504
5	737305.1044	3339379.2045
6	737381.8934	3339368.6154

1
2
3
4
5
6

6"

EXIST. TWY E
ULT. DECOMMISSIONED

611+00
612+00
613+00
614+00
615+00
616+00
617+00
618+00
619+00
620+00

479 SY OF ASPHALT PAVEMENT REMOVAL

6796 SY OF ASPHALT PAVEMENT MILLING.

SAWCUT EXISTING ASPHALT
SEE SHEET CD100 NOTE 4.

EXT. TWY L
ULT. TWY P

TWY B

TOFA
TSA
64.00
NORTH

FOR CONTINUATION SEE SHEET CDC2B

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA C2A

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDC2A	047

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CADD D3-R4

FOR CONTINUATION SEE SHEET CDB2D

FOR CONTINUATION SEE SHEET CDC2A

EAST GA APRON

NORTH

REMOVE EXISTING TAXIWAY CENTERLINE

CAUTION
UNDERGROUND
FAA CABLES
4L-22R RVR AND
GLIDESLOPE

69+00
70+00
71+00
72+00
73+00
74+00
75+00
76+00
77+00
78+00

RUNWAY 31-13

TWY B
TWY F

ROFA
RSA
TSA
TOFA

621+00
621+33

EAST GA APRON

NOTES:

1. SEE SHEET CD100 FOR DEMOLITION NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE 2.

LEGEND:

- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

PROPOSED DEMOLITION PLAN – AREA C2B

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

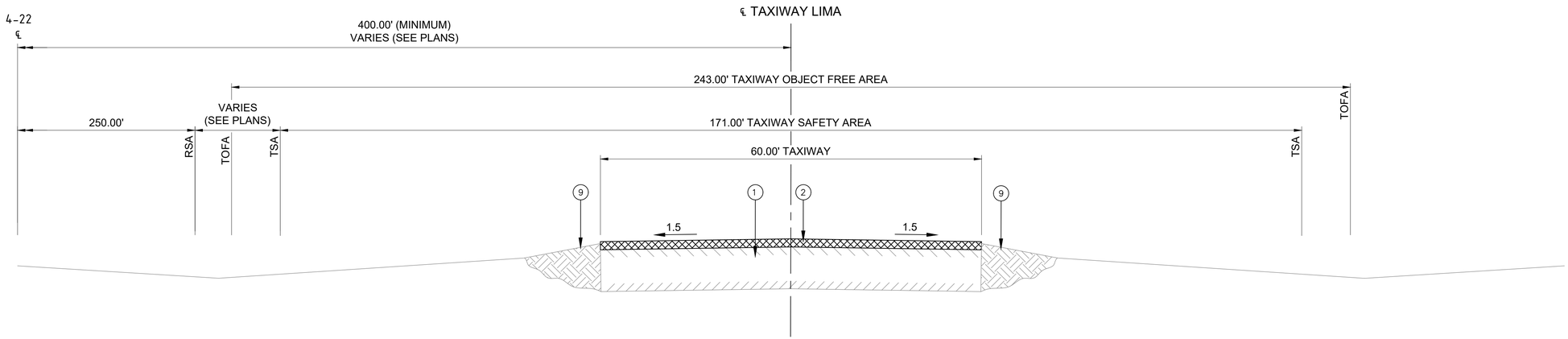
SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CDC2B	048

CADD D3-R4

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1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.



1 TS1 PROPOSED TAXIWAY TYPICAL SECTION

SCALE: NOT TO SCALE

TAXIWAY LIMA STA. 500+74.85 TO STA. 520+85.41

TAXIWAY PAPA STA. 601+72.97 TO STA. 618+49.06

LEGEND:

1. EXISTING ASPHALT SURFACING AND BASE TO REMAIN
2. P-101/P-401 MILL OVERLAY (2" THICK)
3. P-401 ASPHALT SURFACE COURSE (2" THICK)
4. P-403 ASPHALT MIXTURE BINDER COURSE
5. P-306 ECONOCRETE LEAN CONCRETE BASE COURSE (11.5" THICK)
6. P-407 ASPHALT TREATED PERMEABLE BASE COURSE (6" THICK)
7. GEOSYNTHETIC FABRIC
8. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
9. EXISTING EMBANKMENT TO REMAIN
   NOT USED THIS SHEET

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. GEOSYNTHETIC FABRIC SHALL BE INCLUDED WITH COST OF P-154 SUBBASE COURSE.
4. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

TYPICAL SECTION – TAXIWAY L
MILL & OVERLAY

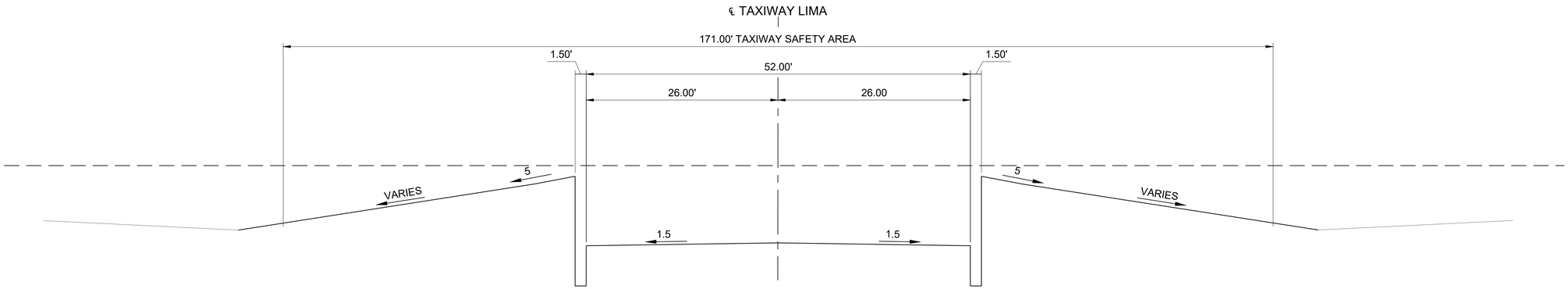
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS1	049

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CADD D3-R4

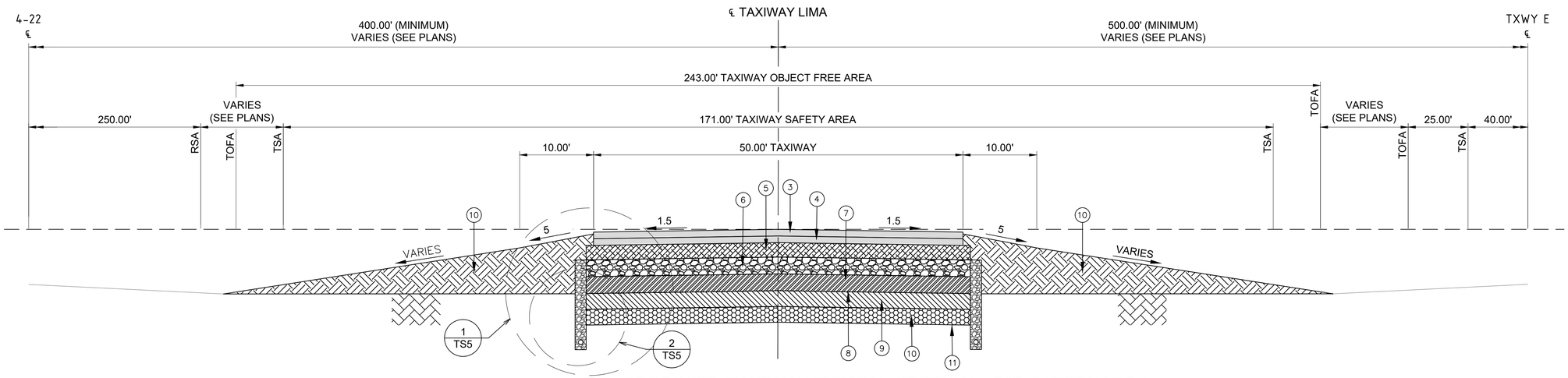


1 TS2

PROPOSED TAXIWAY GRADING SECTION

SCALE: NOT TO SCALE

STA. 543+39.60 TO STA. 557+81.83
STA. 558+55.83 TO STA. 582+82.50



2 TS2

PROPOSED TAXIWAY TYPICAL SECTION - BID ALTERNATE 1

SCALE: NOT TO SCALE

STA. 543+39.60 TO STA. 557+81.83
STA. 558+55.83 TO STA. 582+82.50 ▫

LEGEND:

1. EXISTING ASPHALT SURFACING AND BASE TO REMAIN
2. P-101/P-401 MILL OVERLAY (2" THICK)
3. P-401 ASPHALT SURFACE COURSE (2" THICK)
4. P-403 ASPHALT MIXTURE BINDER COURSE (2" THICK)
5. P-403 ASPHALT BASE COURSE (5.0" THICK)
6. P-209 CRUSHED AGGREGATE (6.0" THICK)
7. P-407 ASPHALT TREATED PERMEABLE BASE COURSE (6" THICK)
8. GEOSYNTHETIC FABRIC
9. P-154 SUBBASE COURSE (18" THICK) ▫
10. P-155 LIME-TREATED SUBGRADE (12" THICK AT 12 BY VOLUME)
11. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
12. EXISTING EMBANKMENT TO REMAIN
    NOT USED THIS SHEET

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.

2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.

3. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

. CONTRACTOR SHALL LAY SOD FOR A 10.0' WIDTH ADJACENT TO RE UIRED PAVEMENT.

▫ P-154 SHALL BE REDUCED TO 6" AND P-152 SHALL BE EXCLUDED FROM STA 568+40 TO 569+40 TO CLEAR OVER AN EXISTING SUBSURFACE RWY 22 POWER CABLE. SEE UTILITY PROTECTION SLAB DETAIL ON SHEET CSB3D.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

TYPICAL SECTION – TXWY L EXTENSION

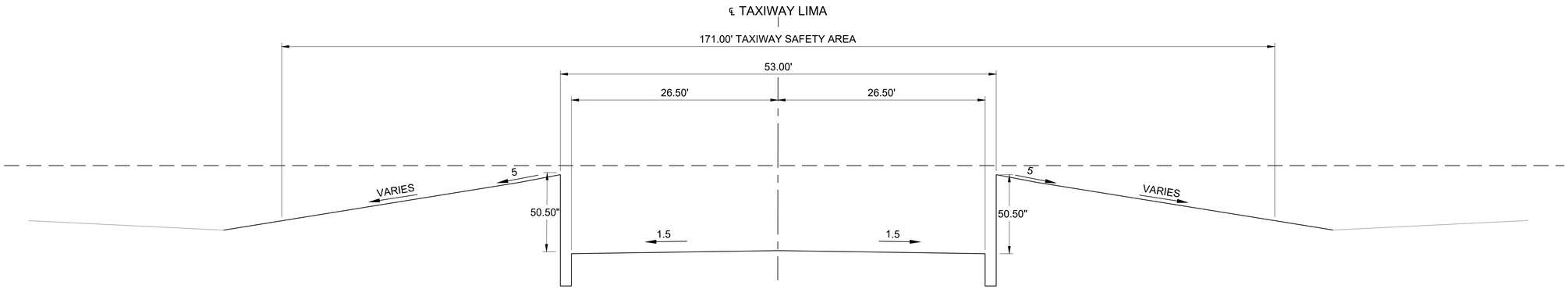
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: SHEET SCALE
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS2	050

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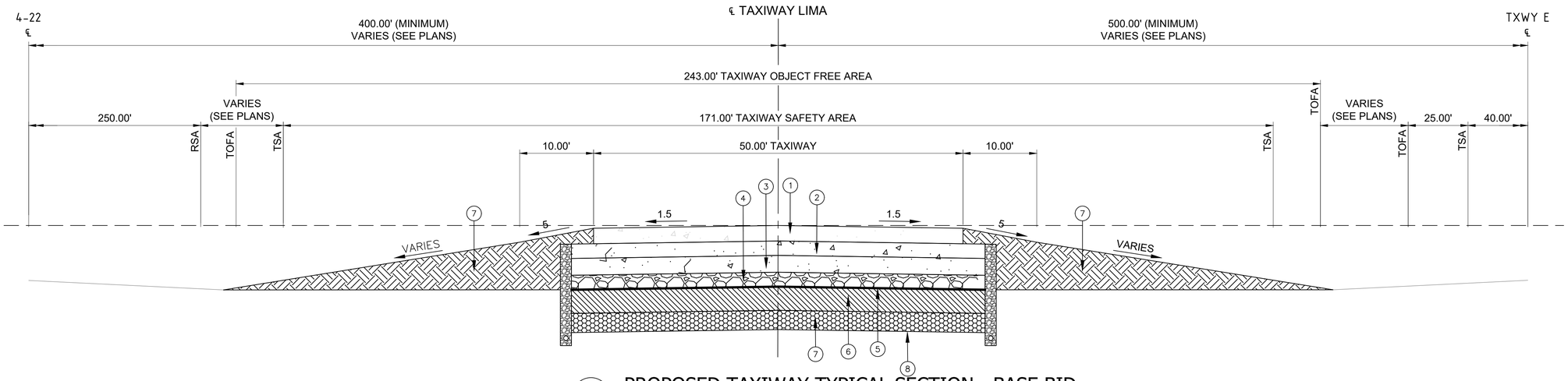
CADD D3-R4



1 / TS2.5 **PROPOSED TAXIWAY GRADING SECTION**

SCALE: NOT TO SCALE

STA. 543+39.60 TO STA. 557+81.83
STA. 558+55.83 TO STA. 582+82.50



2 / TS2.5 **PROPOSED TAXIWAY TYPICAL SECTION - BASE BID**

SCALE: NOT TO SCALE

STA. 543+39.60 TO STA. 557+81.83
STA. 558+55.83 TO STA. 582+82.50 ▫

LEGEND:

1. P-501 CEMENT CONCRETE PAVEMENT (9" THICK)
2. P-307 CEMENT TREATED PERMEABLE BASE COURSE (DRAINAGE LAYER) (6" THICK)
3. P-306 ECONOCRETE LEAN CONCRETE BASE COURSE (11.5" THICK)
4. P-209 CRUSHED AGGREGATE (6.0" THICK) ▫
5. GEOSYNTHETIC SEPARATION LAYER ▫
6. P-154 SUBBASE COURSE (18" THICK) ▫
7. P-155 LIME-TREATED SUBGRADE (12" THICK AT 12 BY VOLUME)
8. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
9. EXISTING EMBANKMENT TO REMAIN
   NOT USED THIS SHEET

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

. CONTRACTOR SHALL LAY SOD FOR A 10.0' WIDTH ADJACENT TO RE UIRED PAVEMENT.

▫ P-209 AND P-154 SHALL BE EXCLUDED FROM THE PAVEMENT SECTION FROM STA 568+40 TO 569+40 TO CLEAR OVER AN EXISTING SUBSURFACE RWY 22 POWER CABLE. SEE UTILITY PROTECTION SLAB DETAIL ON SHEET CSB3D.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
PRACTICE
B. Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – TXWY L EXTENSION

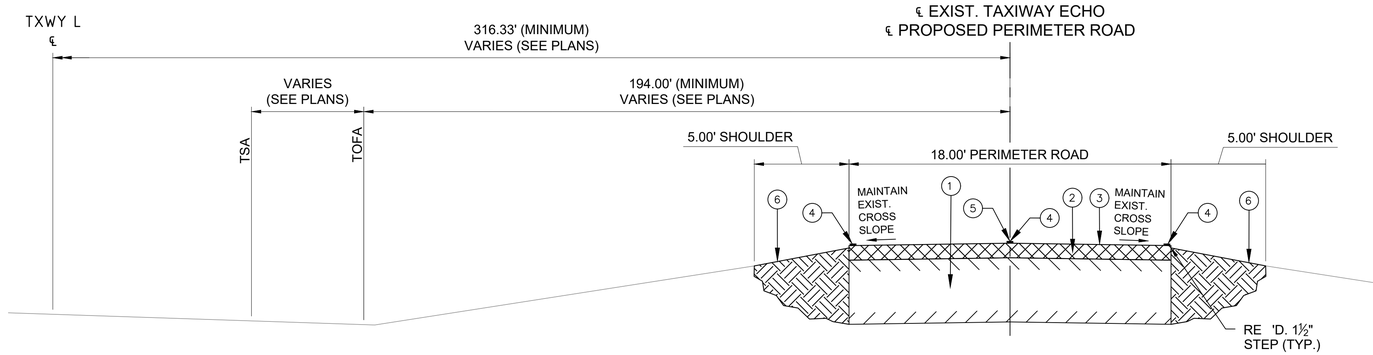
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: SHEET SCALE
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS2.5	051

CADD D3-R4

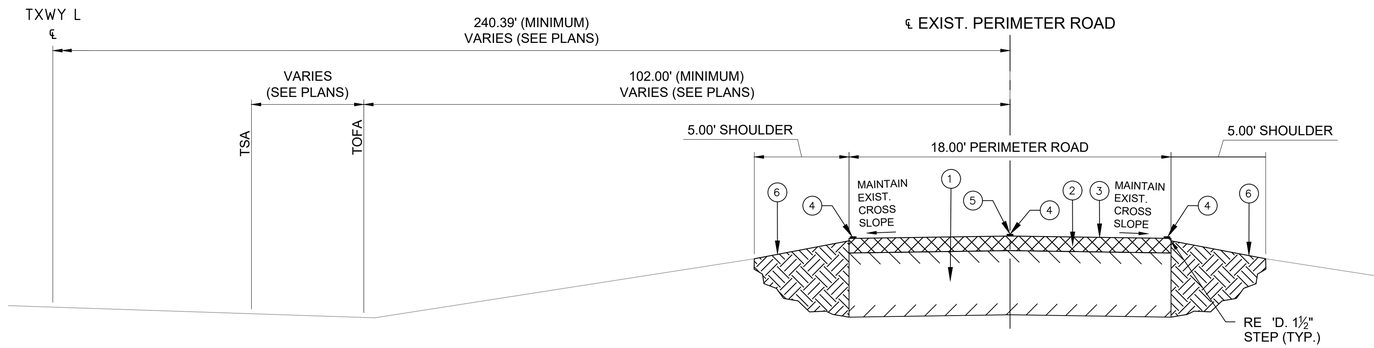
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1 / TS3 — TYPICAL MILL & OVERLAY SECTION

SCALE: NOT TO SCALE

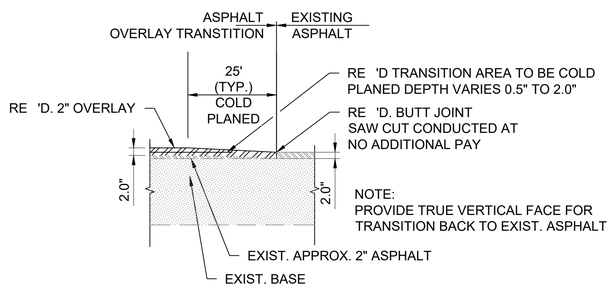
STA. 889+39.94 TO STA. 896+87.46



2 / TS3 — TYPICAL MILL & OVERLAY SECTION

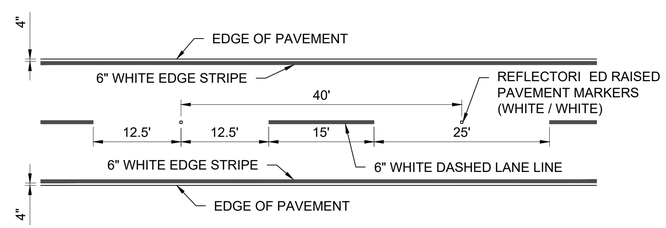
SCALE: NOT TO SCALE

STA. 896+87.46 TO STA. 904+13.34



3 / TS3 — TYPICAL ASPHALT MILL & OVERLAY TRANSITION DETAIL

SCALE: NOT TO SCALE



4 / TS3 — TYPICAL PERIMETER ROAD STRIPING DETAIL

SCALE: NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. GEOSYNTHETIC FABRIC SHALL COMPLY WITH LA DOTD STANDARD SPECIFICATION 2006 AND BE LISTED IN THE CURRENT PL. COST OF FABRIC SHALL BE INCLUDED WITH COST OF P-407 ASPHALT TREATED PERMEABLE BASE COURSE.
4. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

LEGEND:

1. EXISTING ASPHALT SURFACING AND BASE TO REMAIN
2. P-101 PAVEMENT COLD MILLING (½" THICK)
3. P-401 ASPHALT SURFACE COURSE (2" THICK)
4. P-620 PAVEMENT MARKING
5. S-1002 REFLECTORI ED RAISED PAVEMENT MARKERS
6. EXISTING EMBANKMENT TO REMAIN

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – PERIMETER RD
TXWY E

DESIGNED C.H.B.
DRAWN C.H.B.
CHECKED D.A.C.
APPROVED D.A.C.
APPROVED T.A.A.
DATE 6/19/2025

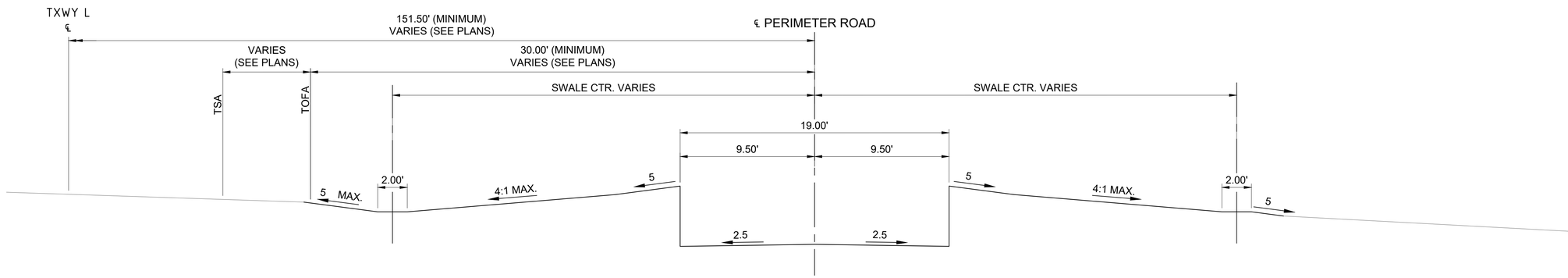
SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS3	52

AT FULL SIZE
0 1 2 3 IN
0 1 2 3 4 5 6 7 8 cm

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CADD D3-R4

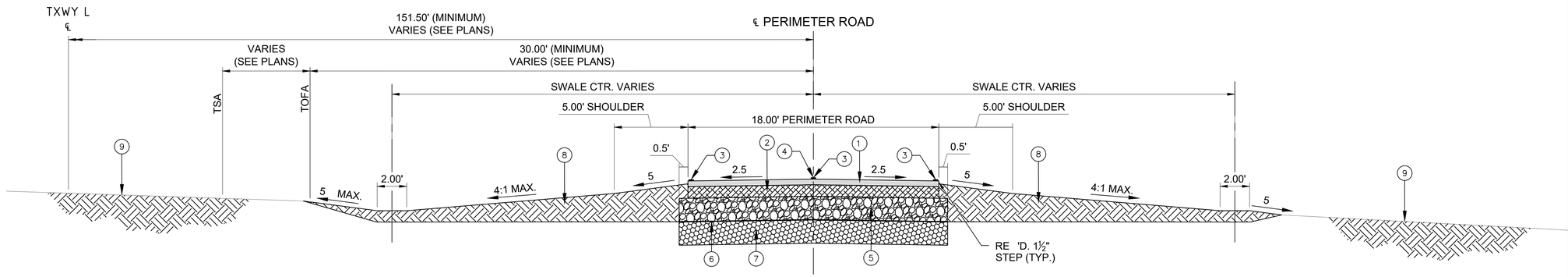


1 / TS4

PERIMETER ROAD NORMAL CROWN GRADING SECTION

SCALE: NOT TO SCALE

STA. 906+59.60 TO STA. 909+19.64
STA. 911+66.81 TO STA. 915+64.33



2 / TS4

PERIMETER ROAD NORMAL CROWN TYPICAL SECTION

SCALE: NOT TO SCALE

STA. 906+59.60 TO STA. 909+19.64
STA. 911+66.81 TO STA. 915+64.33

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. GEOSYNTHETIC FABRIC SHALL COMPLY WITH LA DOTD STANDARD SPECIFICATION 2006 AND BE LISTED IN THE CURRENT PL. COST OF FABRIC SHALL BE INCLUDED WITH COST OF P-407 ASPHALT TREATED PERMEABLE BASE COURSE.
4. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

LEGEND:

1. P-401 ASPHALT SURFACE COURSE (2" THICK)
2. P-403 MIXTURE BINDER COURSE (4" THICK)
3. P-620 PAVEMENT MARKING
4. S-1002 REFLECTORI ED RAISED PAVEMENT MARKERS
5. P-209 CRUSHED AGGREGATE (8" THICK)
6. P-209-5.2 GEOTEXTILE FABRIC
7. P-155 LIME TREATED SUBGRADE (12" @ 9 BY VOLUME) AS DIRECTED BY THE ENGINEER)
8. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
9. EXISTING EMBANKMENT TO REMAIN

AT FULL SIZE
0 1 2 3 IN
0 1 2 3 4 5 6 7 8 cm

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – PERIMETER RD

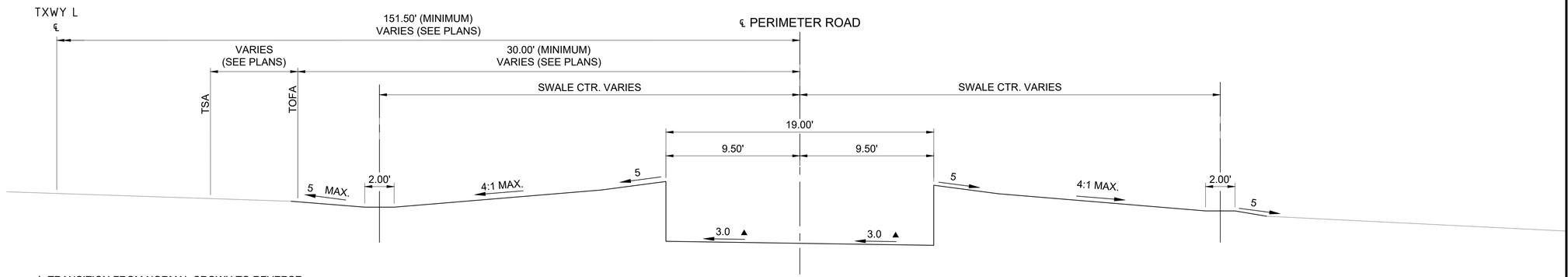
DESIGNED	C.H.B.
DRAWN	C.H.B.
CHECKED	D.A.C.
APPROVED	D.A.C.
APPROVED	T.A.A.
DATE	6/19/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS4	53

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CADD D3-R4

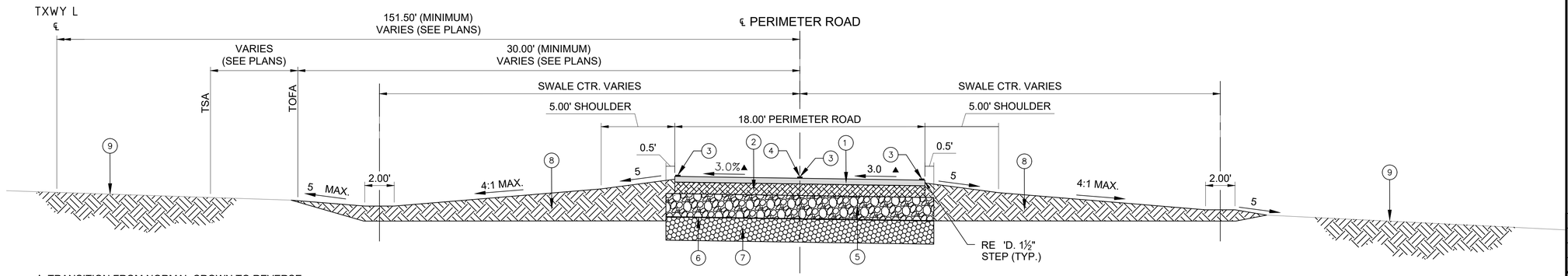


▲ TRANSITION FROM NORMAL CROWN TO REVERSE CROWN IN 85'. BEGIN AND END TRANSITION 93.5' OUTSIDE OF CURVE.
THIS SECTION APPLIES TO CURVES

1 / TS4.1 PERIMETER ROAD FULL SUPER ELEVATION GRADING SECTION - RIGHT CURVATURE

SCALE: NOT TO SCALE

STA. 904+13.34 TO STA. 906+59.60
STA. 915+64.33 TO STA. 918+12.11



▲ TRANSITION FROM NORMAL CROWN TO REVERSE CROWN IN 85'. BEGIN AND END TRANSITION 93.5' OUTSIDE OF CURVE.
THIS SECTION APPLIES TO CURVES

2 / TS4.1 PERIMETER ROAD FULL SUPER ELEVATION TYPICAL SECTION - RIGHT CURVATURE

SCALE: NOT TO SCALE

STA. 904+13.34 TO STA. 906+59.60
STA. 915+64.33 TO STA. 918+12.11

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. GEOSYNTHETIC FABRIC SHALL COMPLY WITH LA DOTD STANDARD SPECIFICATION 2006 AND BE LISTED IN THE CURRENT PL. COST OF FABRIC SHALL BE INCLUDED WITH COST OF P-407 ASPHALT TREATED PERMEABLE BASE COURSE.
4. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

LEGEND:

1. P-401 ASPHALT SURFACE COURSE (2" THICK)
2. P-403 MIXTURE BINDER COURSE (4" THICK)
3. P-620 PAVEMENT MARKING
4. S-1002 REFLECTORI ED RAISED PAVEMENT MARKERS
5. P-209 CRUSHED AGGREGATE (8" THICK)
6. P-209-5.2 GEOTEXTILE FABRIC
7. P-155 LIME TREATED SUBGRADE (12" @ 9 BY VOLUME) AS DIRECTED BY THE ENGINEER)
8. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
9. EXISTING EMBANKMENT TO REMAIN

AT FULL SIZE
0 1 2 3 IN
0 1 2 3 4 5 6 7 8 cm

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
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A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – PERIMETER RD

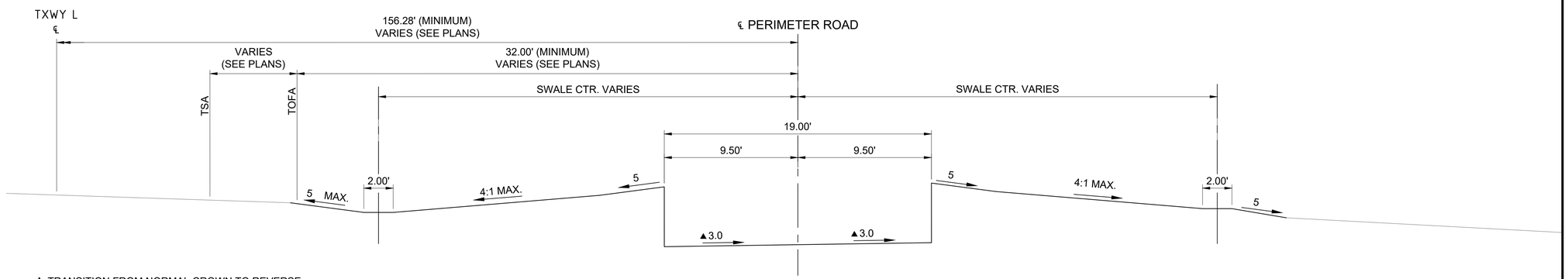
DESIGNED C.H.B.
DRAWN C.H.B.
CHECKED D.A.C.
APPROVED D.A.C.
APPROVED T.A.A.
DATE 6/19/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS4.1	54

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CADD D3-R4



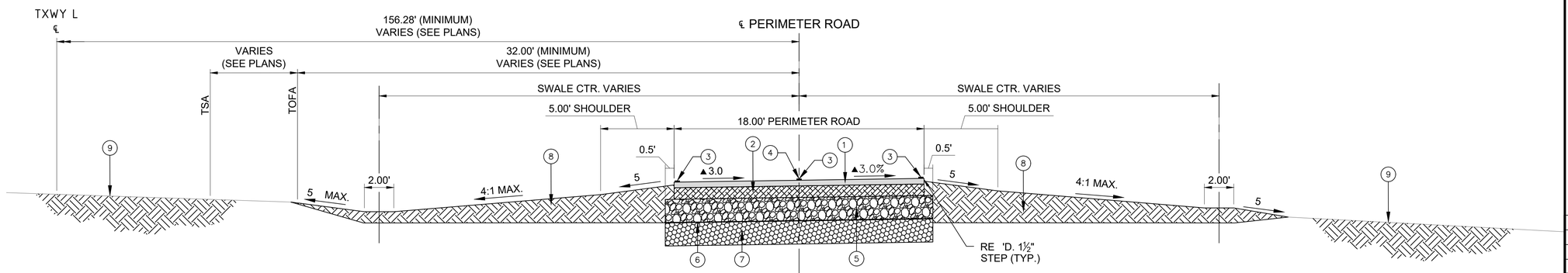
▲ TRANSITION FROM NORMAL CROWN TO REVERSE CROWN IN 85'. BEGIN AND END TRANSITION 93.5' OUTSIDE OF CURVE.
THIS SECTION APPLIES TO CURVES

1 / TS4.2

PERIMETER ROAD FULL SUPER ELEVATION GRADING SECTION - LEFT CURVATURE

SCALE: NOT TO SCALE

STA. 909+19.64 TO STA. 911+66.81



▲ TRANSITION FROM NORMAL CROWN TO REVERSE CROWN IN 85'. BEGIN AND END TRANSITION 93.5' OUTSIDE OF CURVE.
THIS SECTION APPLIES TO CURVES

2 / TS4.2

PERIMETER ROAD FULL SUPER ELEVATION TYPICAL SECTION - LEFT CURVATURE

SCALE: NOT TO SCALE

STA. 909+19.64 TO STA. 911+66.81

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. GEOSYNTHETIC FABRIC SHALL COMPLY WITH LA DOTD STANDARD SPECIFICATION 2006 AND BE LISTED IN THE CURRENT PL. COST OF FABRIC SHALL BE INCLUDED WITH COST OF P-407 ASPHALT TREATED PERMEABLE BASE COURSE.
4. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.

LEGEND:

1. P-401 ASPHALT SURFACE COURSE (2" THICK)
2. P-403 MIXTURE BINDER COURSE (4" THICK)
3. P-620 PAVEMENT MARKING
4. S-1002 REFLECTORI ED RAISED PAVEMENT MARKERS
5. P-209 CRUSHED AGGREGATE (8" THICK)
6. P-209-5.2 GEOTEXTILE FABRIC
7. P-155 LIME TREATED SUBGRADE (12" @ 9 BY VOLUME) AS DIRECTED BY THE ENGINEER)
8. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
9. EXISTING EMBANKMENT TO REMAIN

AT FULL SIZE
0 1 2 3 IN
0 1 2 3 4 5 6 7 8 cm

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
REGISTERED
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – PERIMETER RD

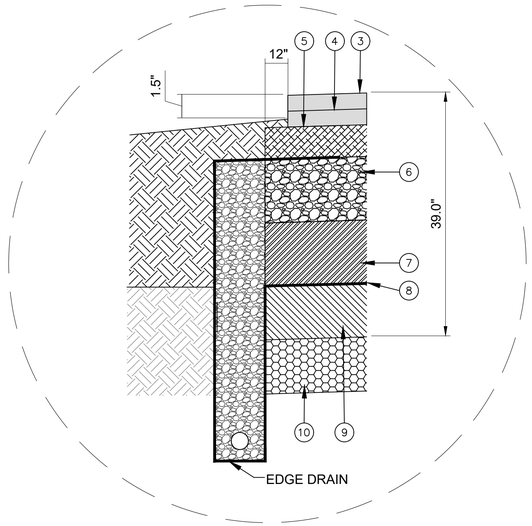
DESIGNED C.H.B.
DRAWN C.H.B.
CHECKED D.A.C.
APPROVED D.A.C.
APPROVED T.A.A.
DATE 6/19/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS4.2	55

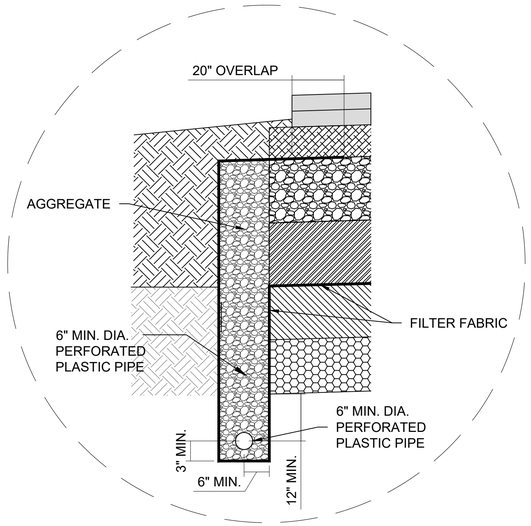
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CADD D3-R4



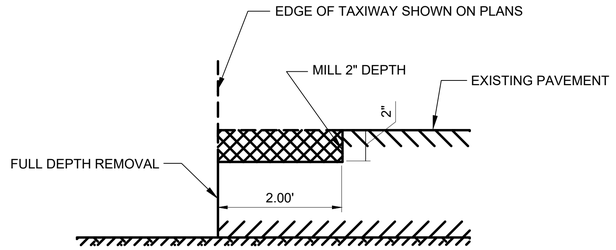
1 TS5 **PAVEMENT LIP DETAIL**
SCALE: NOT TO SCALE

NOTE: RIGHT SIDE SIMILAR BUT MIRRORED

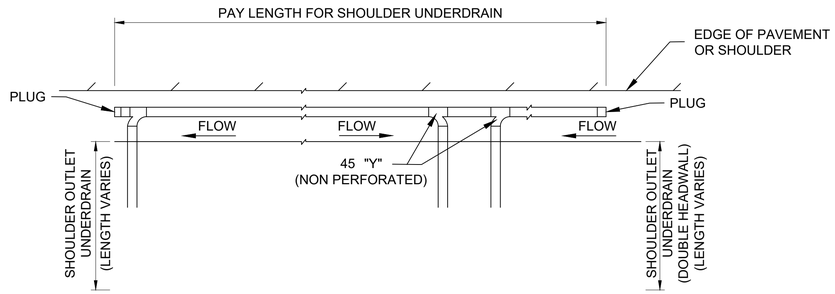


2 TS5 **EDGE DRAIN DETAIL**
SCALE: NOT TO SCALE

NOTE: RIGHT SIDE SIMILAR BUT MIRRORED



3 TS5 **TRANSITION TO EXISTING PAVEMENT DETAIL**
SCALE: NOT TO SCALE



4 TS5 **DUAL OUTLET LAYOUT DETAIL**
SCALE: NOT TO SCALE

LEGEND:

1. EXISTING ASPHALT SURFACING AND BASE TO REMAIN
2. P-101/P-401 MILL OVERLAY (2" THICK)
3. P-401 ASPHALT SURFACE COURSE (2" THICK)
4. P-403 ASPHALT MIXTURE BINDER COURSE (2" THICK)
5. P-403 ASPHALT BASE COURSE (5.0" THICK)
6. P-209 CRUSHED AGGREGATE (6.0" THICK)
7. P-407 ASPHALT TREATED PERMEABLE BASE COURSE (6" THICK)
8. GEOSYNTHETIC FABRIC
9. P-154 SUBBASE COURSE (18" THICK)
10. P-152 EXCAVATION SUBGRADE AND EMBANKMENT
11. EXISTING EMBANKMENT TO REMAIN
    NOT USED THIS SHEET

NOTES:

1. CONTRACTOR SHALL REMOVE STANDING WATER FROM THE SUBGRADE DURING CONSTRUCTION BY GRADING DITCHING PUMPING OR WHATEVER MEANS ARE NECESSARY TO KEEP THE SUBGRADE DRY.
2. SEE PLANS AND GEOMETRIC LAYOUT SHEETS FOR EXACT WIDTHS OF PAVEMENT TSA AND TOFA AT VARIOUS LOCATIONS.
3. SEE PROPOSED GRADING SHEETS AND CROSS SECTIONS FOR GRADING DETAILS.
4. LONGITUDINAL EDGE DRAINS SHOULD OUTLET INTO CATCH BASINS AT 400' MAX INTERVALS USING 6" NON-PERFORATED PLASTIC PIPE.
5. THE PAVEMENT UNDERDRAIN SYSTEMS PAY ITEMS SHALL INCLUDE ALL RE UIRED TRANCHING PLASTIC UNDERDRAIN PIPE (PERFORATED AND NON-PERFORATED) "Y""S FITTINGS PLUGS GEOTEXTILE FABRIC AGGREGATE AND BACKFILL.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

TYPICAL SECTION – TXWY L EXTENSION

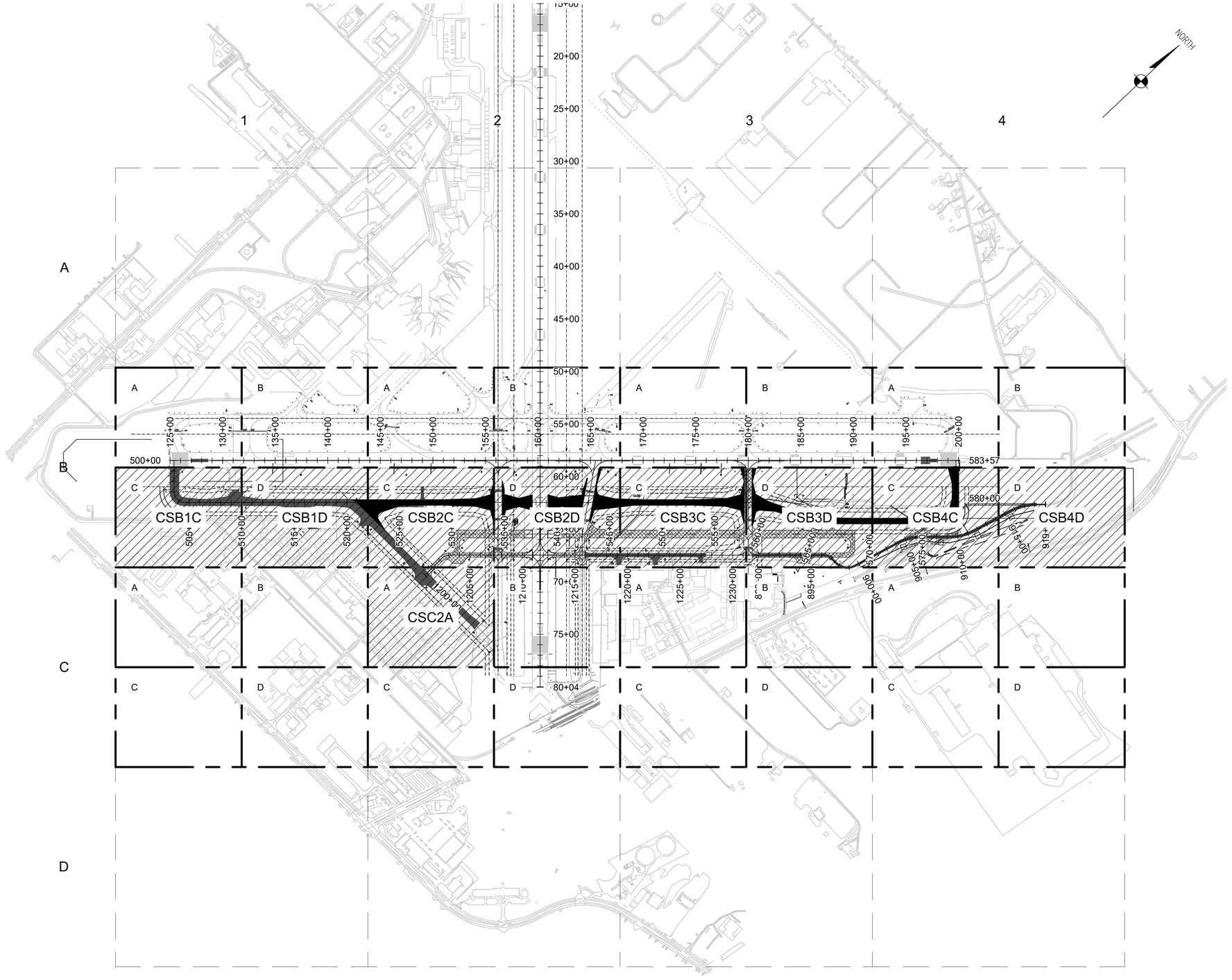
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
TS5	056

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CADD D3-R4



NOTES:

1. REFER TO CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN FOR PROJECT PHASING.
2. REFER TO MARKING LAYOUT PLANS FOR PAVEMENT MARKINGS
3. RUNWAY CENTERLINE SHOWN FOR REFERENCE ONLY AND DOES NOT REPRESENT PAVEMENT MARKINGS.
4. SEE SHEETS TS1 AND TS2 FOR TYPICAL SECTIONS AND DETAILS.
5. SEE SHEETS CF100 THROUGH SC202 FOR PERIMETER SECURITY FENCE PLANS AND DETAILS.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

SITE LOCATION PLAN

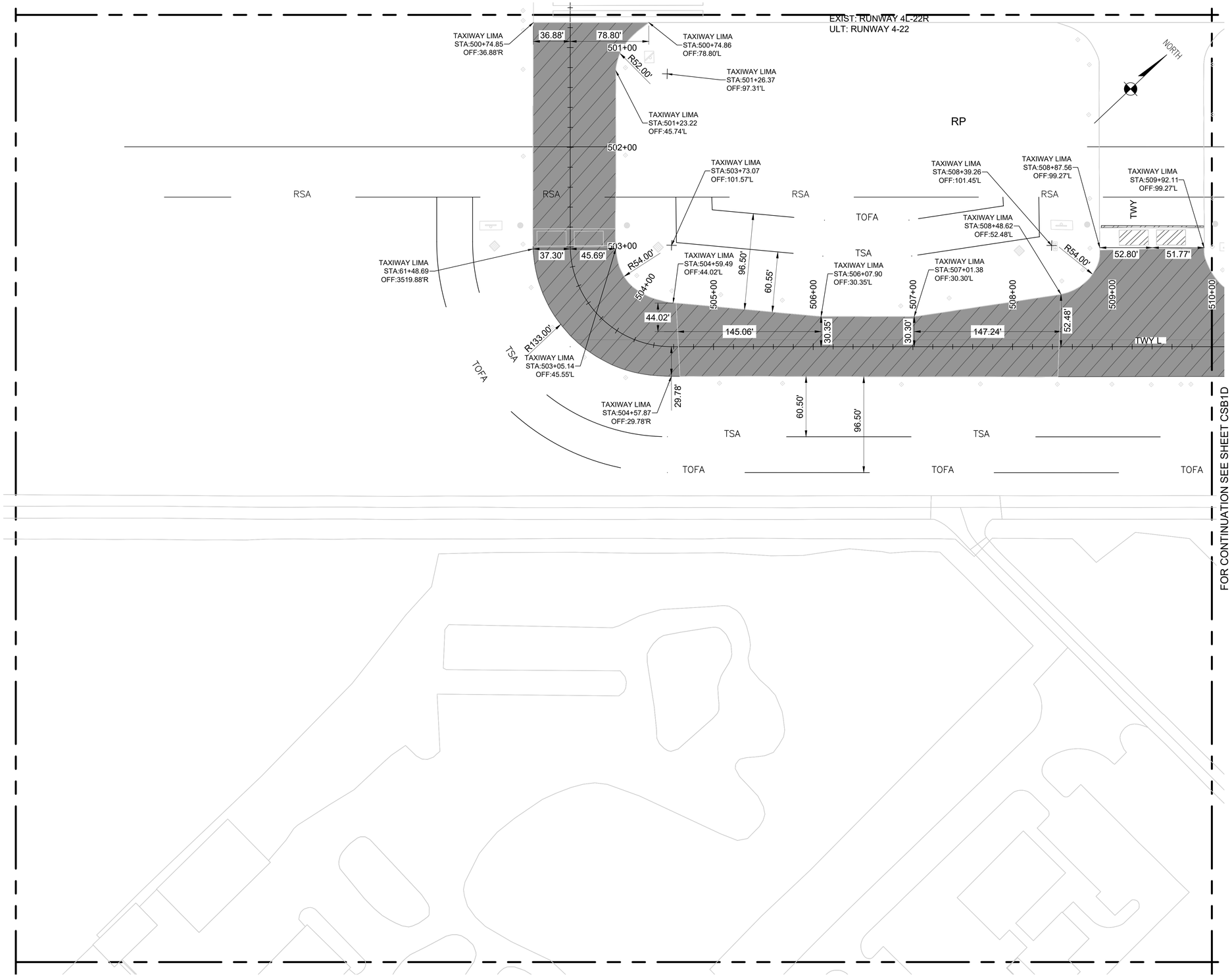
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 500'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CS100	057

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CADD D3-R4



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B1C

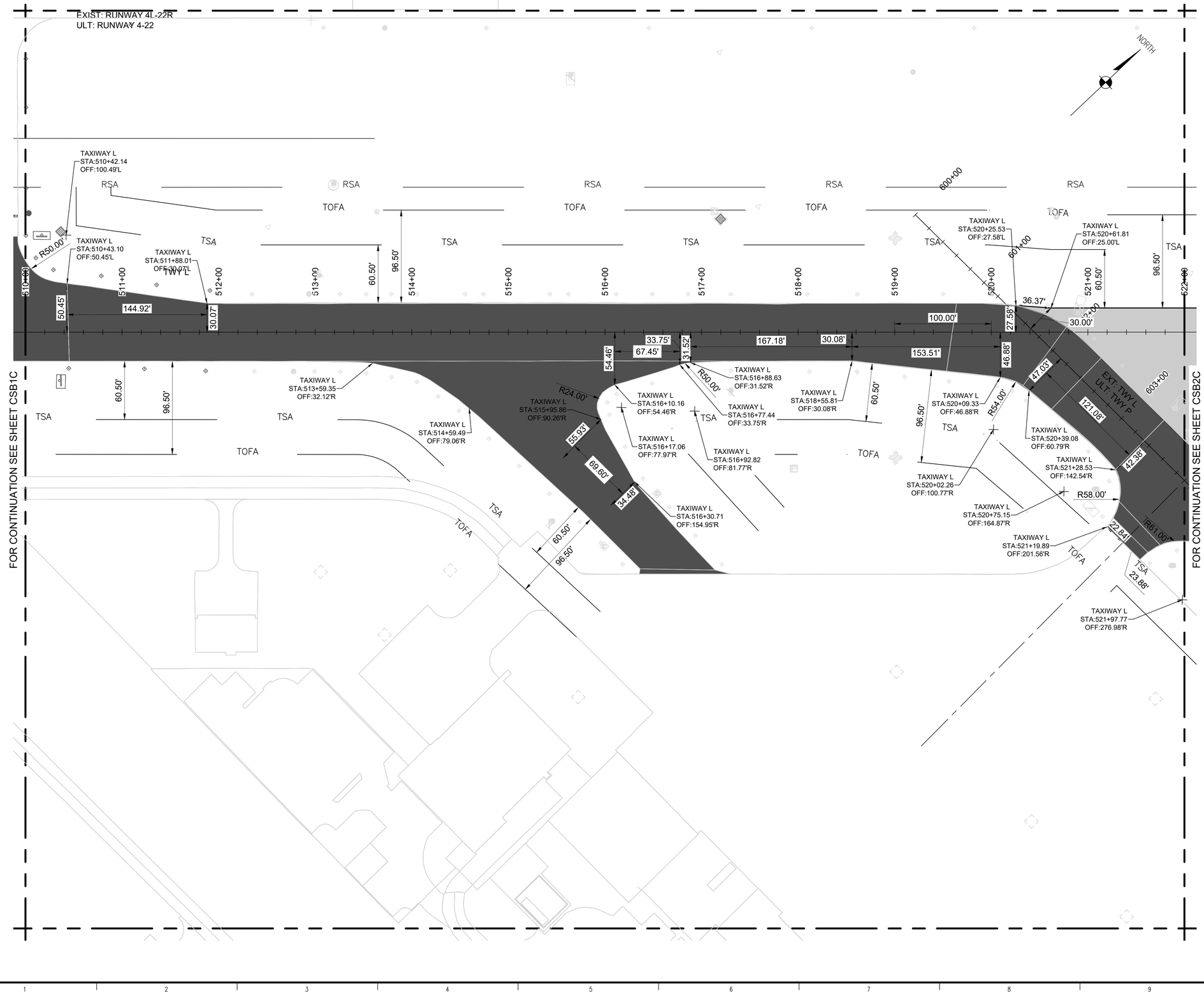
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB1C	058

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CADD D3-R4



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. SEE SHEET G012 CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IA FOR MILL/OVERLAY AND NEW PAVING SE UENCE OF CONSTRUCTION NOTES.
3. CONTRACTOR PAVING PLAN TO BE SUBMITTED FOR APPROVAL FROM THE PROJECT ENGINEER PRIOR TO COMMENCING MILL AND OVERLAY OR PAVING.
4. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B1D

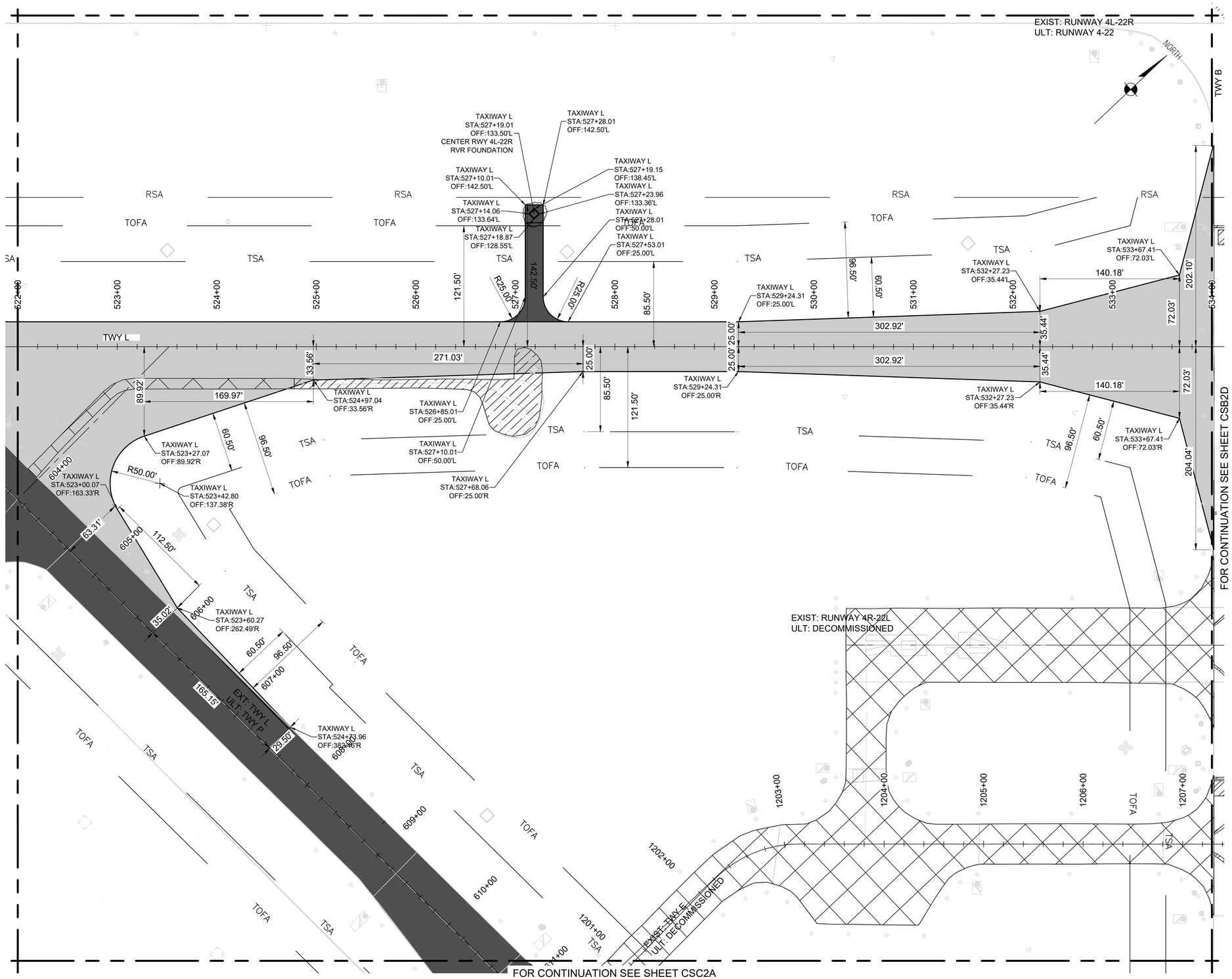
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB1D	059

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CADD D3-R4



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. SEE SHEET G012 CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IA FOR MILL/OVERLAY AND NEW PAVING SE UENCE OF CONSTRUCTION NOTES.
3. CONTRACTOR PAVING PLAN TO BE SUBMITTED FOR APPROVAL FROM THE PROJECT ENGINEER PRIOR TO COMMENCING MILL AND OVERLAY OR PAVING.
4. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
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License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B2C

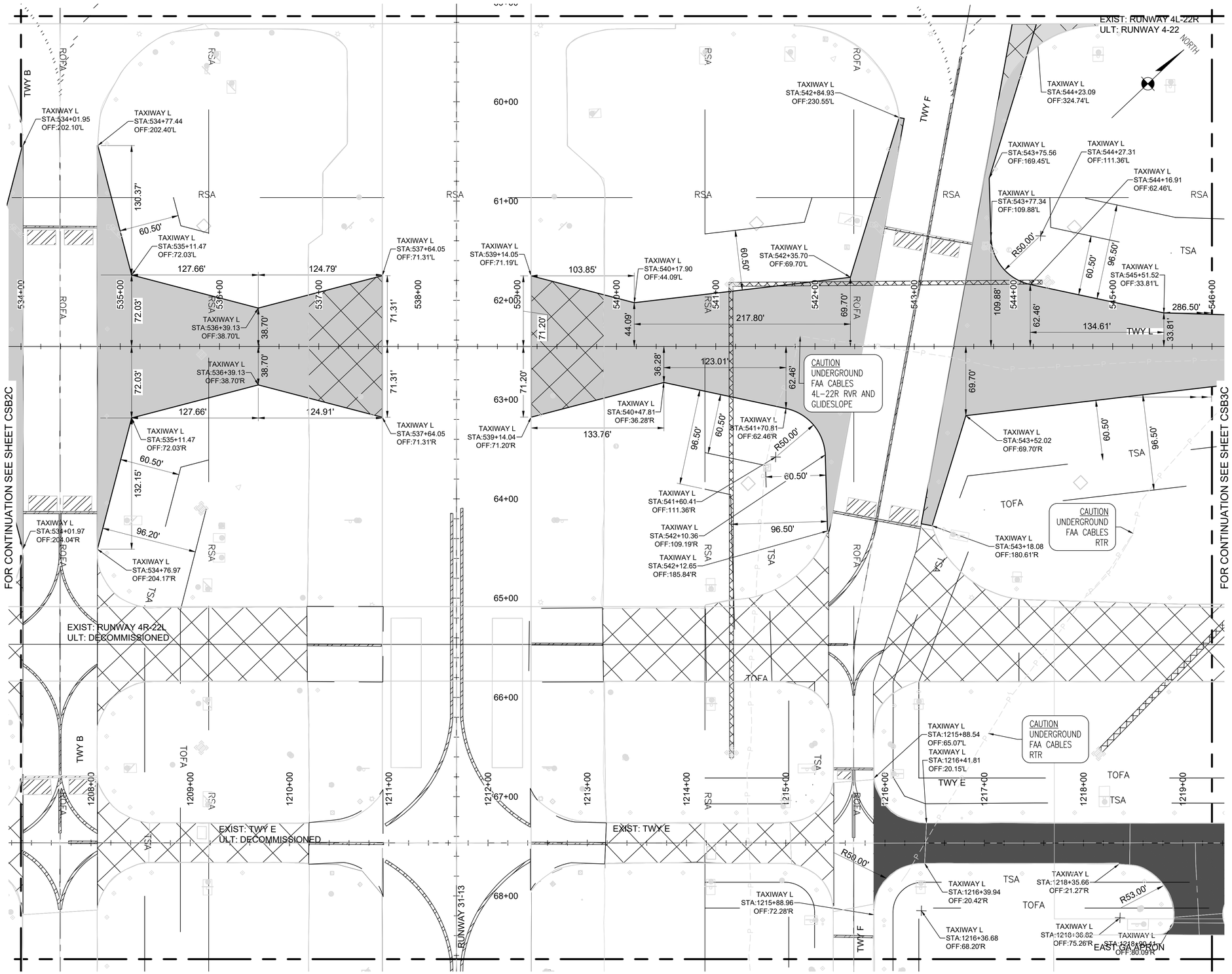
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB2C	060

© STANLEY CONSULTANTS

CADD D3-R4



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. ALL WORK ON THIS SHEET SOUTH AND WEST OF TAXIWAY F IS PHASE I. NOT IN THIS CONTRACT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

CAUTION:

1. FAA CABLES AND OTHER UTILITIES ARE BEING CROSSED AND MUST REMAIN ACTIVE FOR DURATION OF PROJECT. CONTRACTOR RESPONSIBLE FOR ANY REPAIRS TO DAMAGED LINES AT NO ADDITIONAL COST TO THE OWNER.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B2D

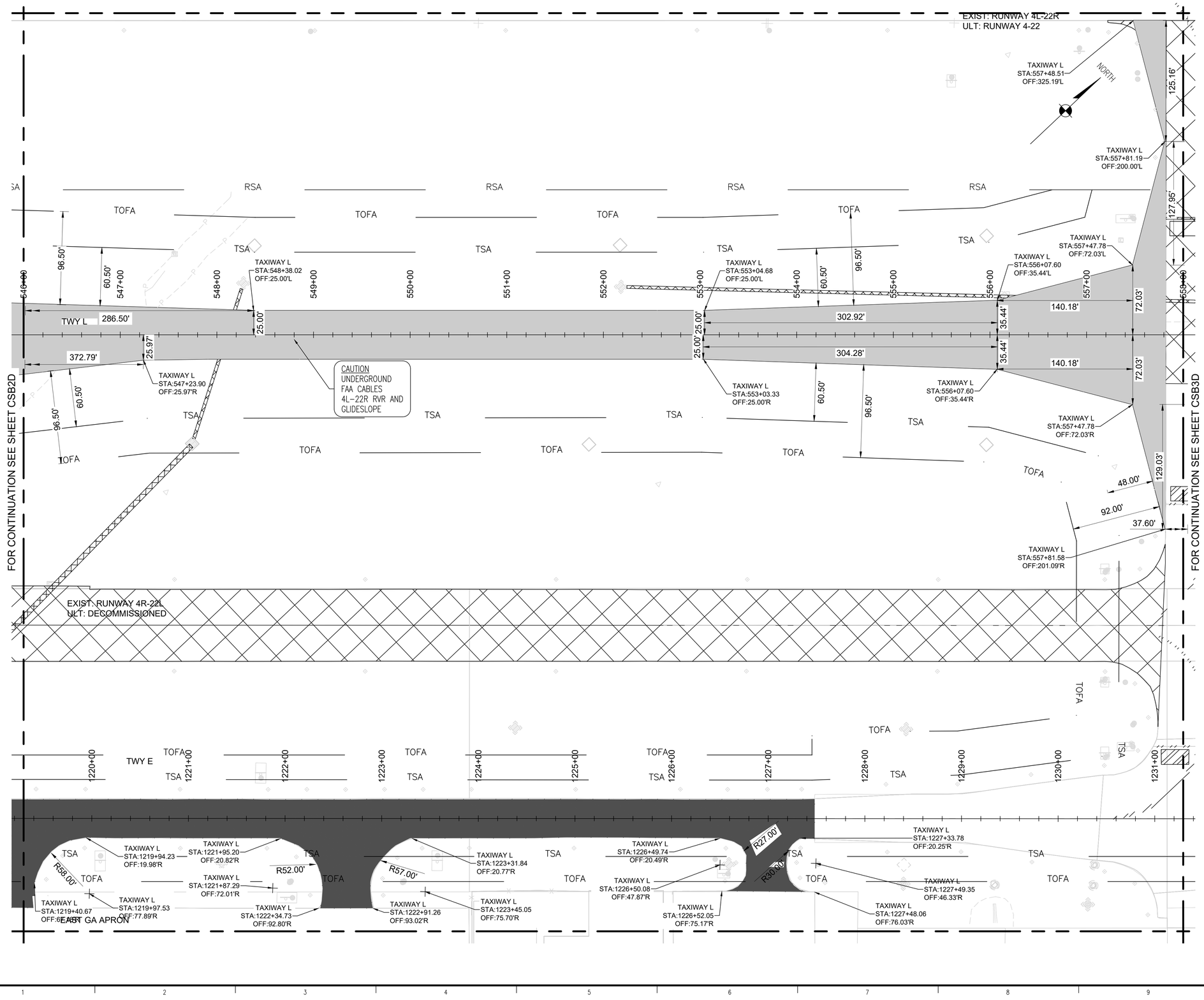
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB2D	061

© STANLEY CONSULTANTS

CADD D3-R4



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B3C

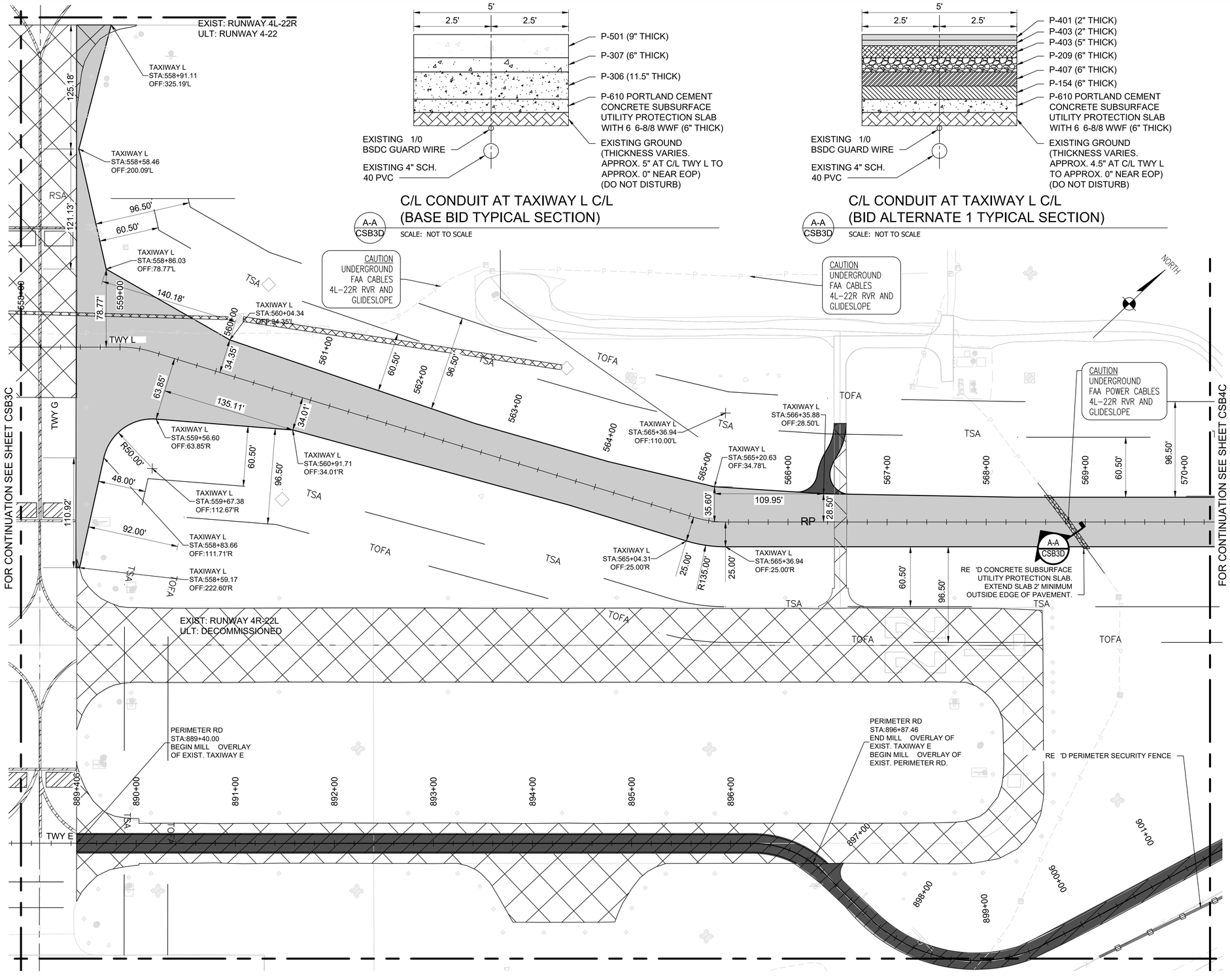
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB3C	062

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CADD D3-R4



C/L CONDUIT AT TAXIWAY L C/L
(BASE BID TYPICAL SECTION)

A-A
CSB3D

SCALE: NOT TO SCALE

C/L CONDUIT AT TAXIWAY L C/L
(BID ALTERNATE 1 TYPICAL SECTION)

A-A
CSB3D

SCALE: NOT TO SCALE

NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. SEE NOTE ON SHEET TS2 AND TS2.5 FOR MODIFIED PAVEMENT TYPICAL SECTION FROM STA 568+40 TO 569+40 TO AVOID POWER CABLE CONFLICT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
B. Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B3D

DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB3D	063

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CADD D3-R4

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

583+00

TAXIWAY L
STA:582+82.50
OFF:71.31'L

71.31'

582+00

137.44'

TAXIWAY L
STA:581+45.07
OFF:35.51'L

35.51'

581+00

76.83'

96.50'

32.85'

60.50'

TAXIWAY L
STA:580+68.23
OFF:32.85'L

TAXIWAY L
STA:579+93.01
OFF:35.44'L

75.23'

580+00

35.44'

96.50'

60.50'

TAXIWAY L
STA:577+28.29
OFF:92.00'L

140.18'

579+00

TAXIWAY L
STA:578+00.55
OFF:63.76'L

TAXIWAY L
STA:576+08.08
OFF:35.44'L

140.18'

578+00

72.02'

25.00'

TAXIWAY L
STA:578+72.80
OFF:25.00'R

914+00

913+00

912+00

911+00

910+00

909+00

908+00

907+00

906+00

905+00

904+00

903+00

902+00

RSA

TOFA

TSA

EX. PERIMETER RD.

TAXIWAY L
STA:573+01.29
OFF:25.00'L

571+00

572+00

573+00

574+00

575+00

576+00

577+00

TWY L

25.00'

306.79'

35.44'

71.82'

RP

25.00'

R117.00'

60.50'

96.50'

TAXIWAY L
STA:577+28.29
OFF:25.00'R

PERIMETER RD
STA:904+13.34
OFF:9.00'L

RE 'D PERIMETER SECURITY FENCE

PERIMETER RD.

OLD PLANK RD.

OLD PLANK RD.

PLANK RD.

FOR CONTINUATION SEE SHEET CSB3D

FOR CONTINUATION SEE SHEET CSB4D

NORTH

NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B4C

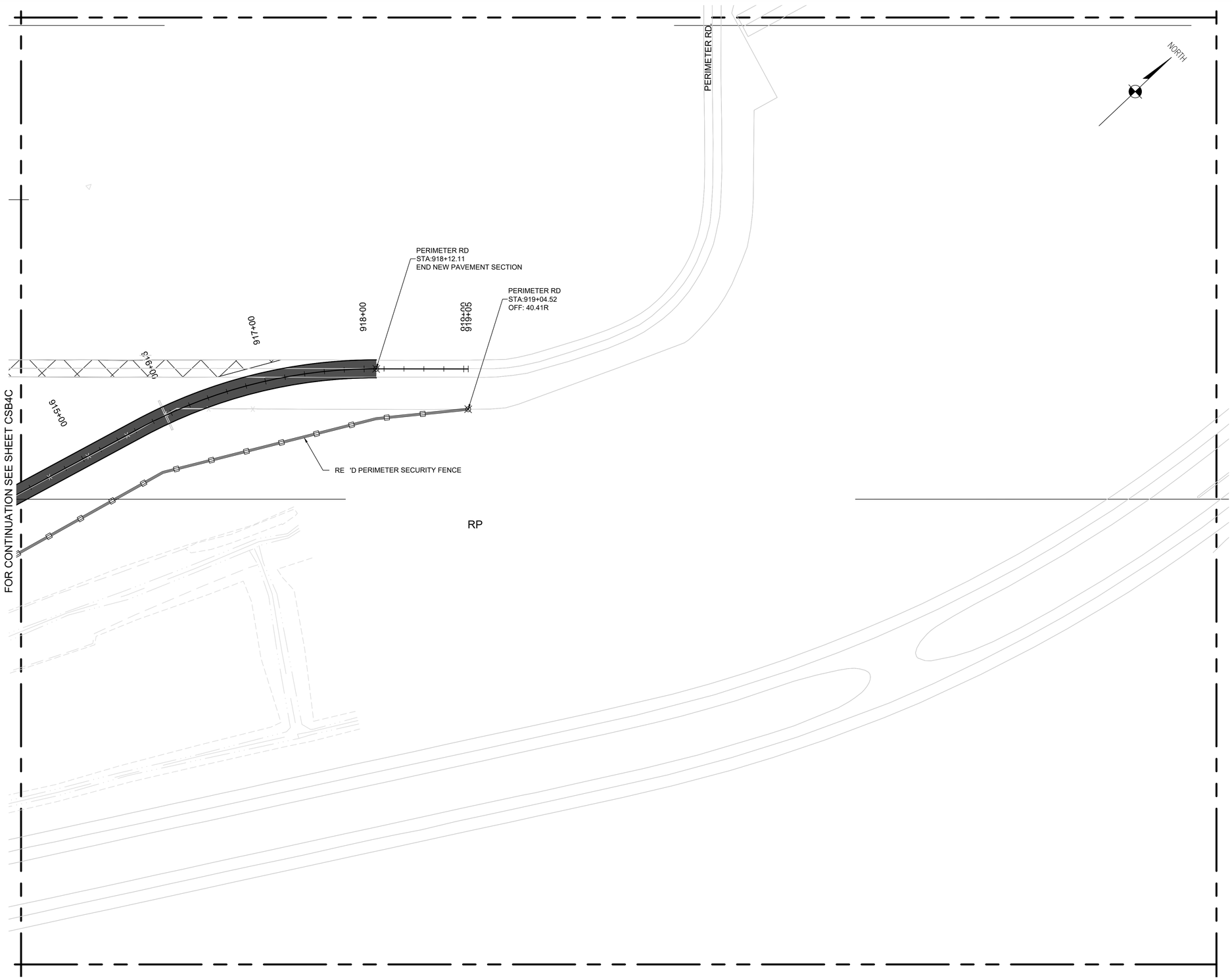
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB4C	064

CADD D3—R4

© STANLEY CONSULTANTS



NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
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- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA B4D

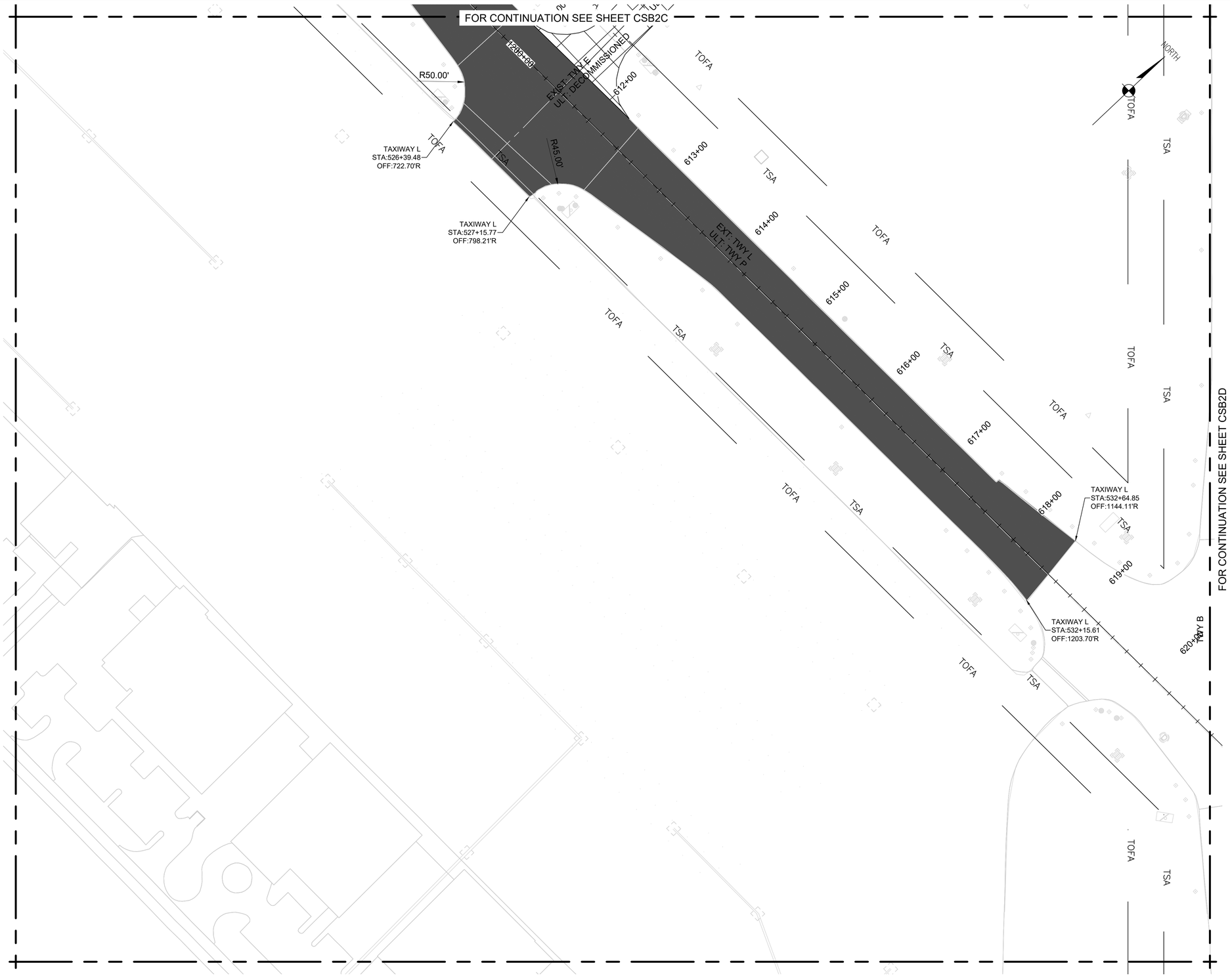
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSB4D	065

CADD D3-R4

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NOTES:

1. SEE SHEET CS100 FOR SITE PLAN NOTES.
2. ALL WORK ON THIS SHEET IS PHASE 1 NOT IN CONTRACT.

LEGEND:

- PROPOSED TAXIWAY PAVEMENT
- PROPOSED MILL AND OVERLAY
- PERIMETER ROAD PAVEMENT
- EXISTING ASPHALT REMOVAL LIMITS
- EXISTING ASPHALT PAVEMENT MILLING
- EXISTING CONCRETE REMOVAL LIMITS
- EXISTING PAVEMENT MARKING TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED
- OBJECTS TO BE DEMOLISHED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN – AREA C2A

DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSC2A	066

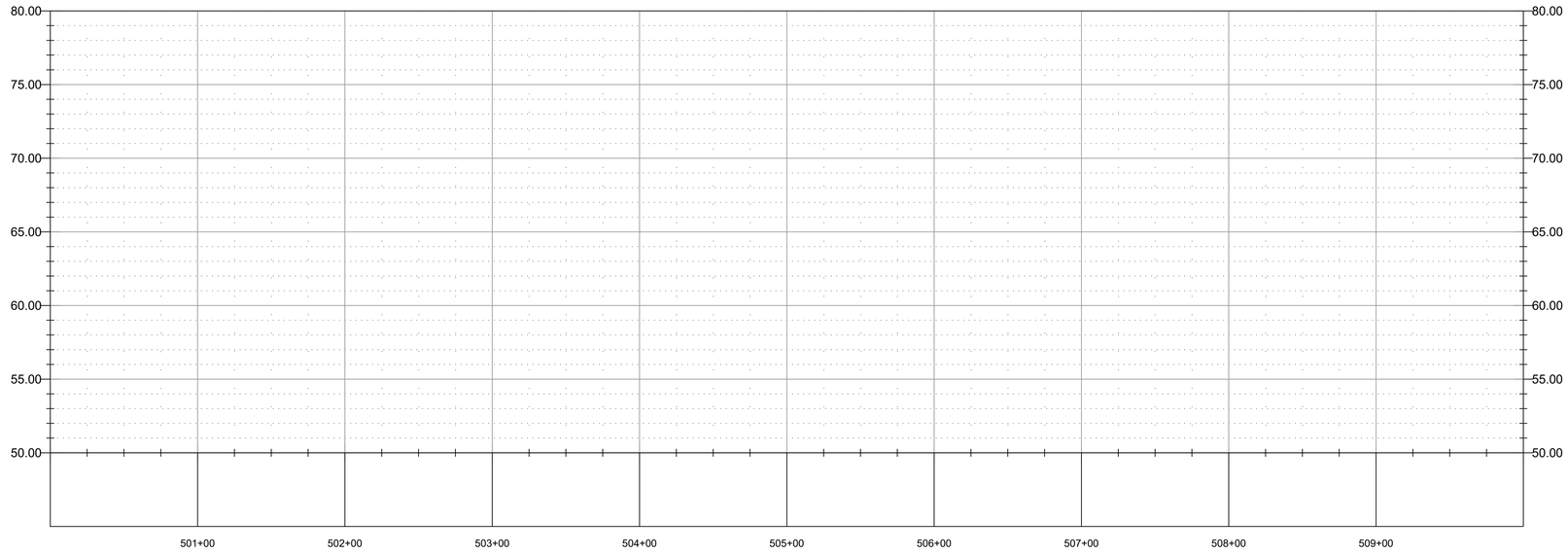
© STANLEY CONSULTANTS

CADD D3-R4

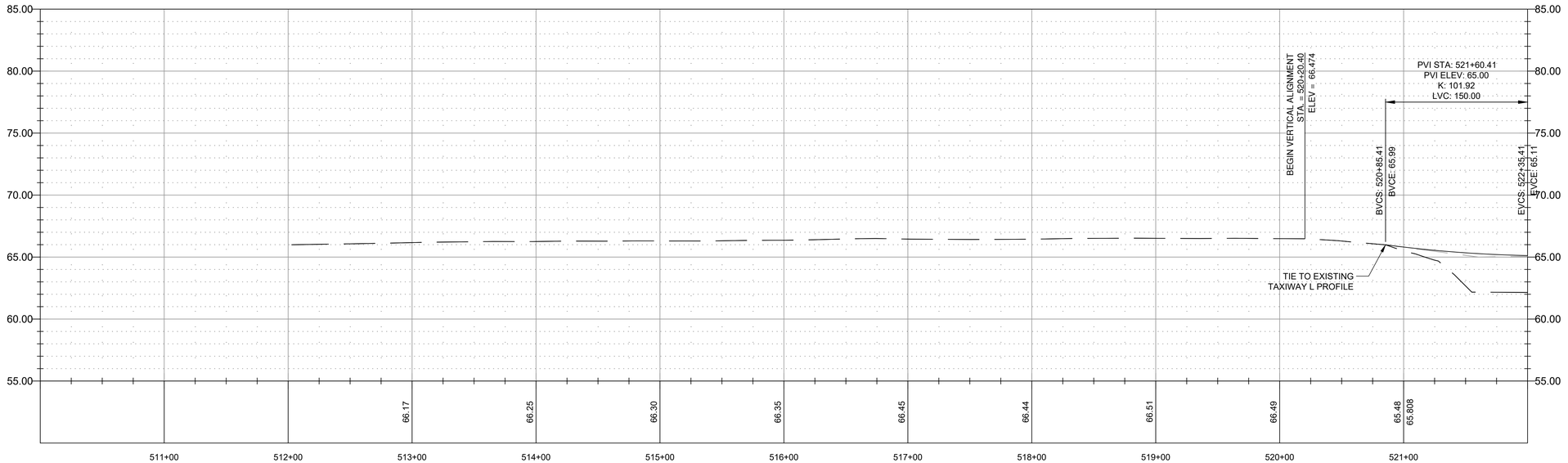
NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

TXWY L ℄ PROFILE
STATION 500+00 TO 510+00



TXWY L ℄ PROFILE
STATION 510+00 TO 522+00



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN PROFILE

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: H:1" = 50', V:1"=5'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSP101	067

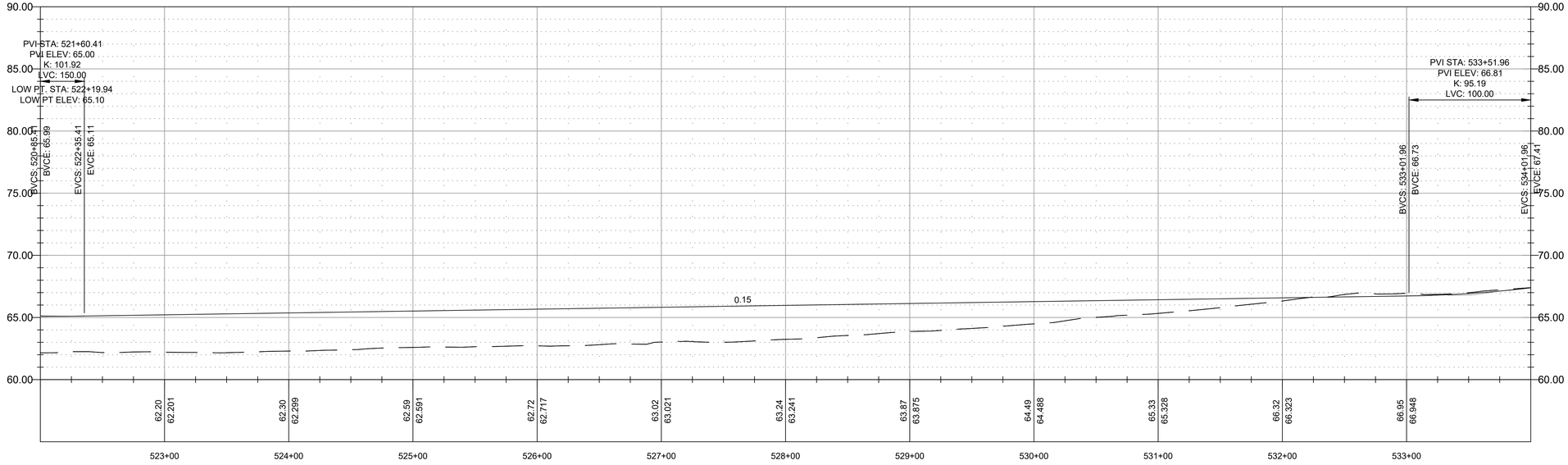
© STANLEY CONSULTANTS

CADD D3-R4

NOTES:

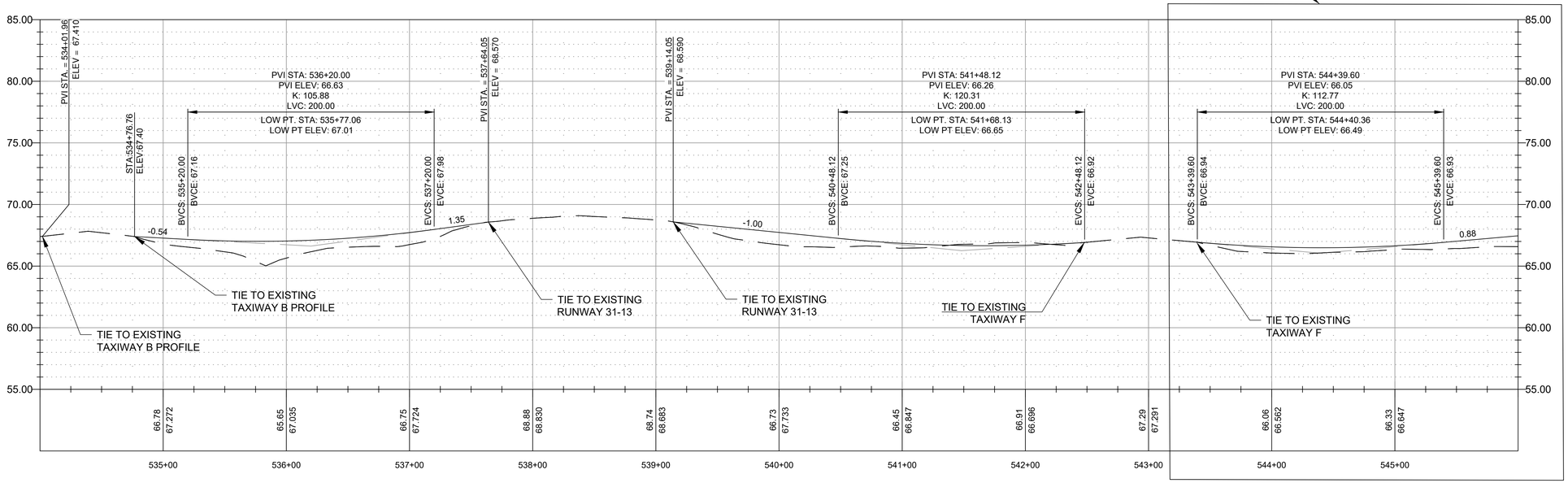
1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT UNLESS OTHERWISE NOTED AS PHASE II.

TXWY L ℄ PROFILE
STATION 522+00 TO 534+00



TXWY L ℄ PROFILE
STATION 534+00 TO 546+00

PHASE II



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN PROFILE

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: H:1" = 50', V:1"=5'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSP102	068

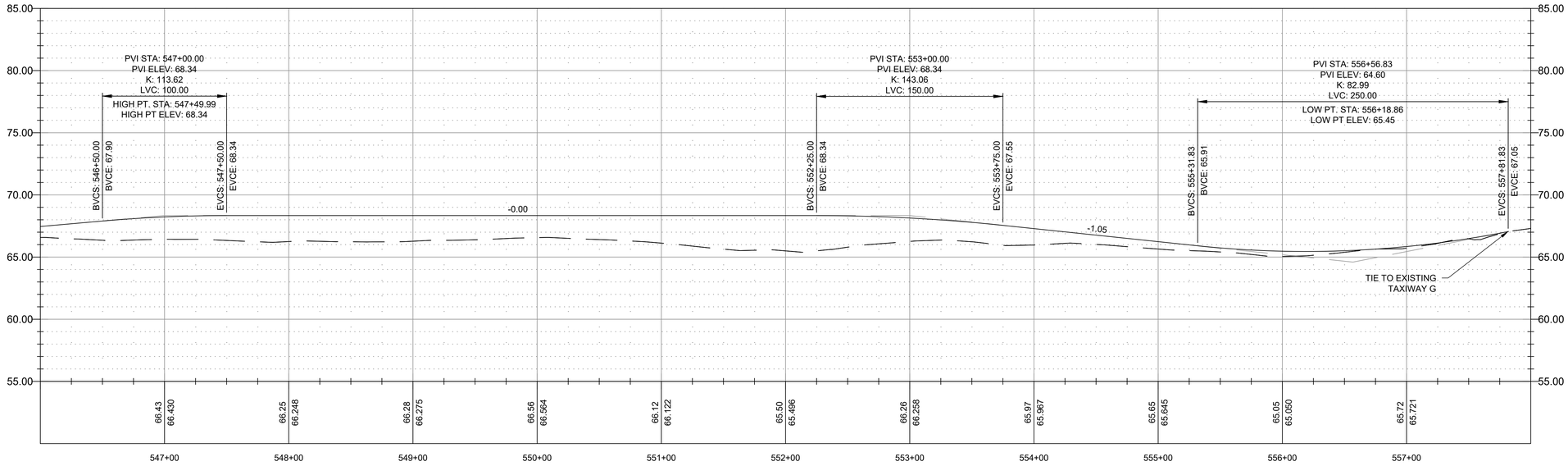
© STANLEY CONSULTANTS

CADD D3--R4

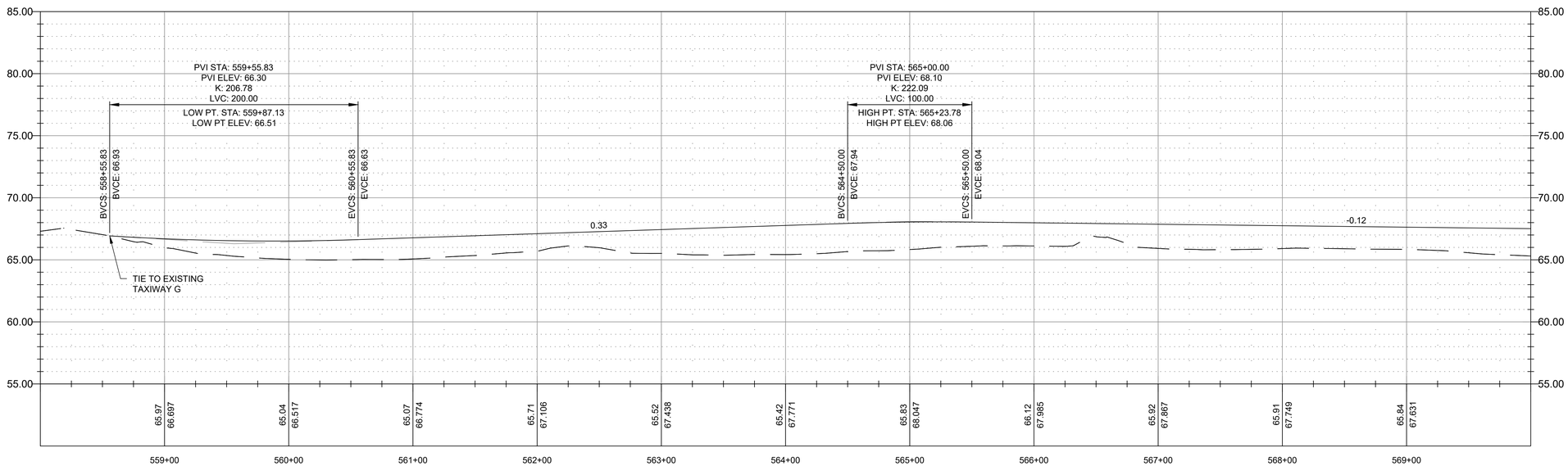
NOTES:

1. ALL WORK ON THIS SHEET IS PHASE II INCLUDED IN THIS CONTRACT.

TXWY L ℄ PROFILE
STATION 546+00 TO 558+00



TXWY L ℄ PROFILE
STATION 558+00 TO 570+00



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN PROFILE

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:H:1" = 50', V:1"=5'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSP103	069

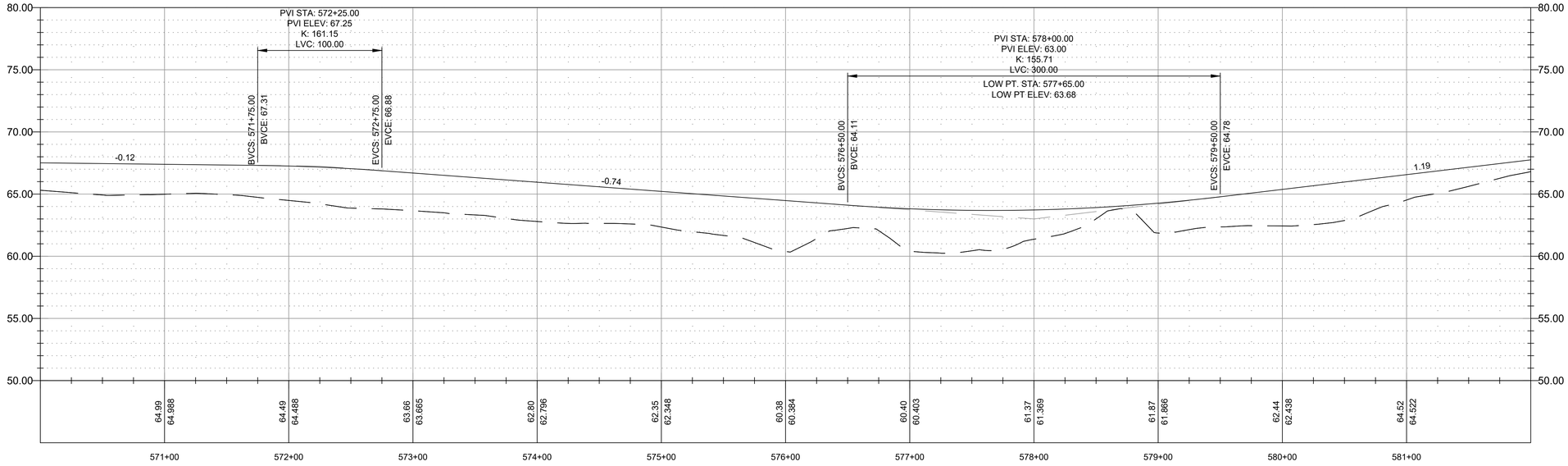
© STANLEY CONSULTANTS

CADD D3-R4

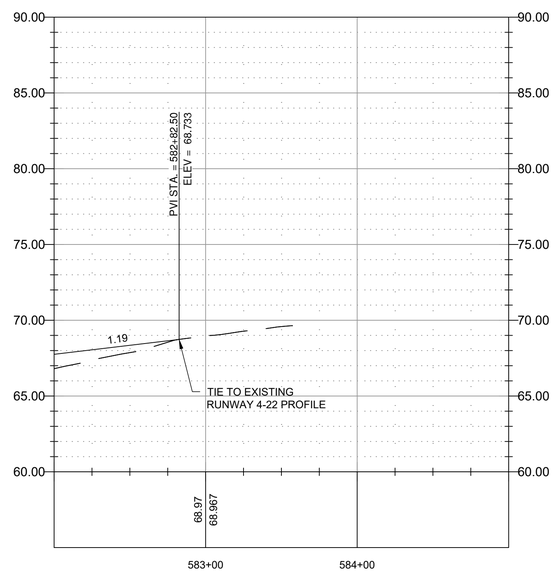
NOTES:

1. ALL WORK ON THIS SHEET IS PHASE II INCLUDED IN THIS CONTRACT.

TXWY L ℄ PROFILE
STATION 570+00 TO 582+00



TXWY L ℄ PROFILE
STATION 582+00 TO 585+00



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SITE PLAN PROFILE

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

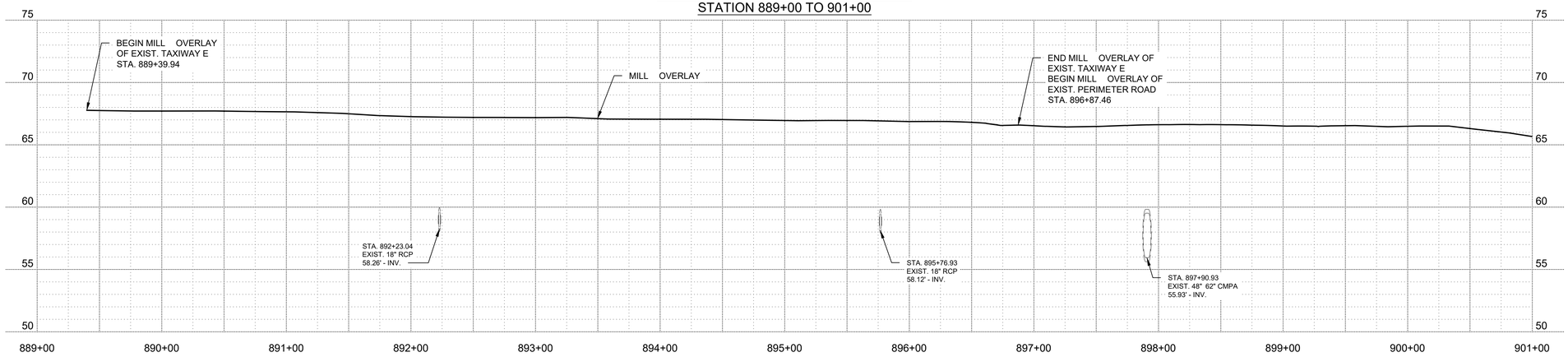
SCALE:H:1" = 50', V:1" =5'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CSP104	070

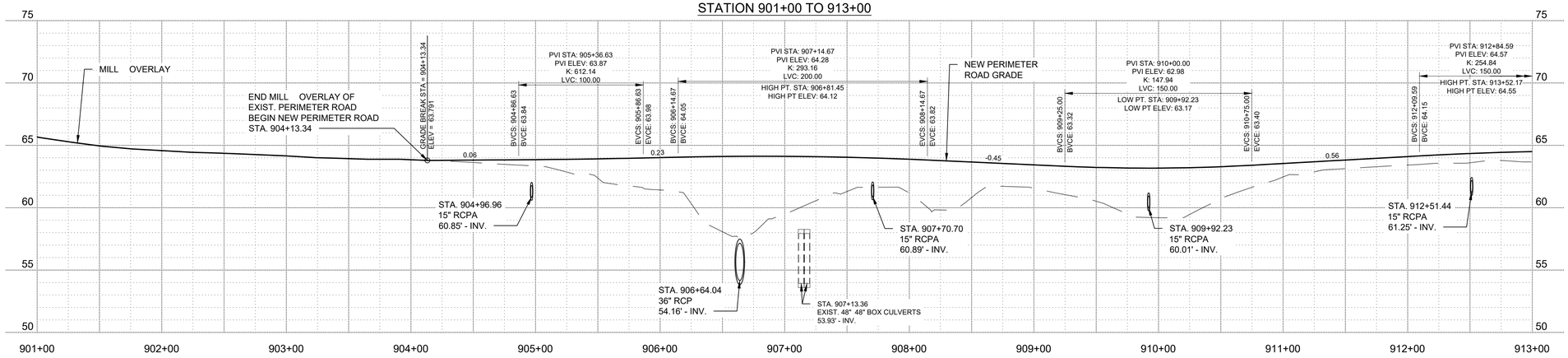
© STANLEY CONSULTANTS

CADD D3-R4

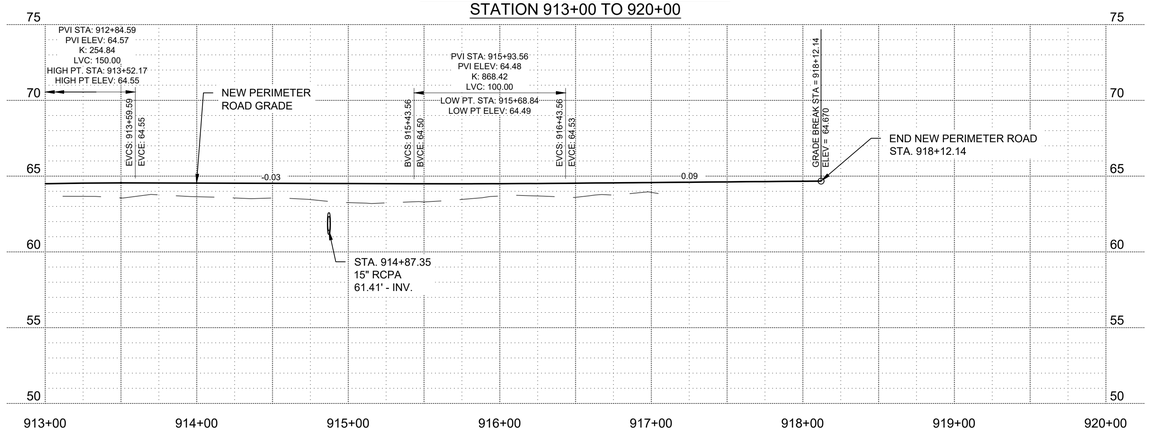
PROPOSED PERIMETER ROAD PROFILE
STATION 889+00 TO 901+00



PROPOSED PERIMETER ROAD PROFILE
STATION 901+00 TO 913+00



PROPOSED PERIMETER ROAD PROFILE
STATION 913+00 TO 920+00



AT FULL SIZE

0 1 2 3 IN

0 1 2 3 4 5 6 7 8 cm

NOTES:

1. REFER TO CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN FOR PROJECT PHASING.

STATE OF LOUISIANA
CHRISTIAN H. BETHEA
License No. 49272
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

PEC
PROFESSIONAL ENGINEERING CONSULTANTS CORPORATION
A Division of Forte & Tablada

TAXIWAY LIMA EXTENSION

SITE PLAN PROFILE

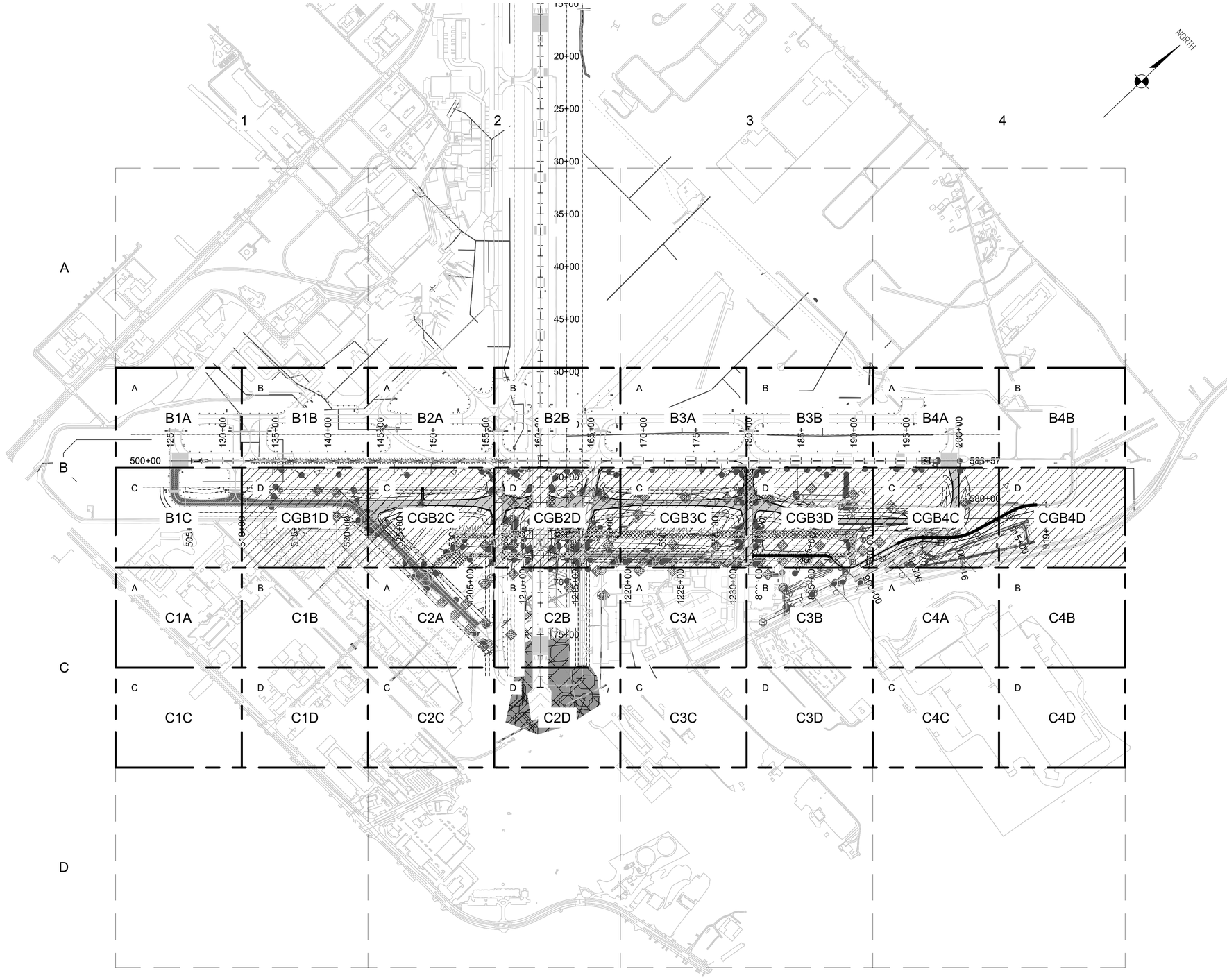
DESIGNED C.H.B.
DRAWN C.H.B.
CHECKED D.A.C.
APPROVED D.A.C.
APPROVED T.A.A.
DATE 6/19/2025

SCALE: H:1"=50', V:1"=5'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: CSP105
SHEET NO: 71

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CADD D3-R4



NOTES:

1. CONTRACTOR SHALL SOD OR SEED ALL DISTURBED AREAS UNLESS OTHERWISE NOTED.
2. SEE SHEET G005 AND G006 FOR BASELINE COORDINATES.
3. CONTRACTOR TO PROTECT UTILITIES THAT ARE TO REMAIN. DAMAGE TO THESE ITEMS ARE TO BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR TO LOCATE AND CONFIRM LOCATION, SIZE, AND FLOW LINE ON EXISTING STORM SEWER LINE PRIOR TO BEGINNING WORK ON NEW STORM SEWER LINE. ALL INFORMATION AND POTENTIAL CONFLICTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO BEGINNING WORK.
5. SEE ES100-ES205 FOR ELECTRICAL INSTALLATION LOCATIONS.
6. SEE DX100-DX202 FOR LOCATIONS AND RIM ELEVATIONS OF PROPOSED GRATE INLETS.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
6/23/25

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TAXIWAY LIMA EXTENSION

PROPOSED GRADING LOCATION PLAN

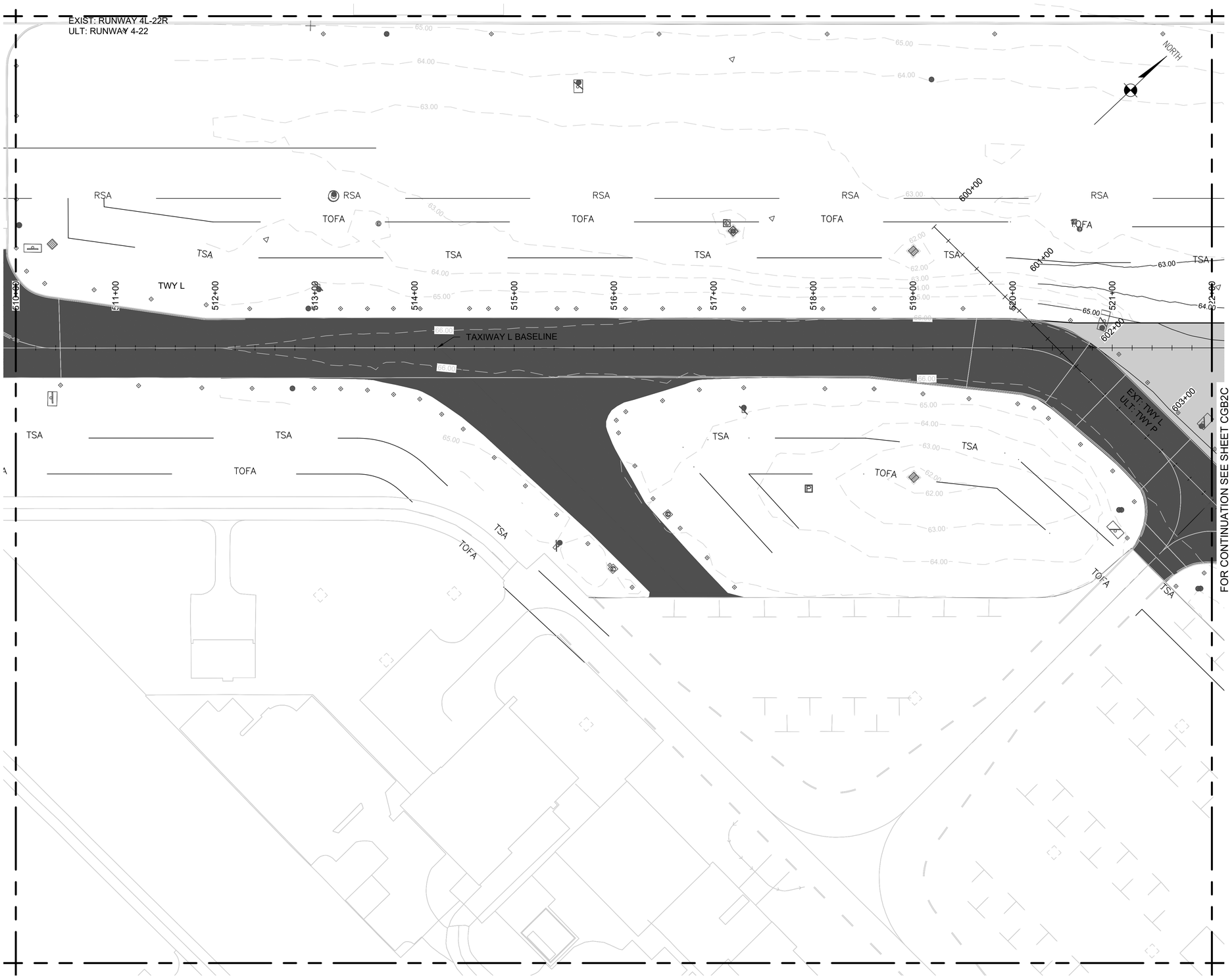
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 500
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: CG100
SHEET NO: 072

CADD D3-R4

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NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.
2. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

65.00 ELEVATION LABEL

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B1D

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB1D	073

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CADD D3-R4

NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.
2. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

- EXISTING CONTOUR
- FINISHED CONTOUR
- 65.00 ELEVATION LABEL

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

NORTH

CENTER RWY 4L-22R RVR FOUNDATION
FINISHED FLOOR ELEV. = 64.00'

TWY B

RSA TOFA TSA

TWY L

TAXIWAY L BASELINE

FOR CONTINUATION SEE SHEET CGB1D

FOR CONTINUATION SEE SHEET CD100

EXT: TWY L
ULT: TWY P

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

EXIST: TWY E
ULT: DECOMMISSIONED

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

B. Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B2C

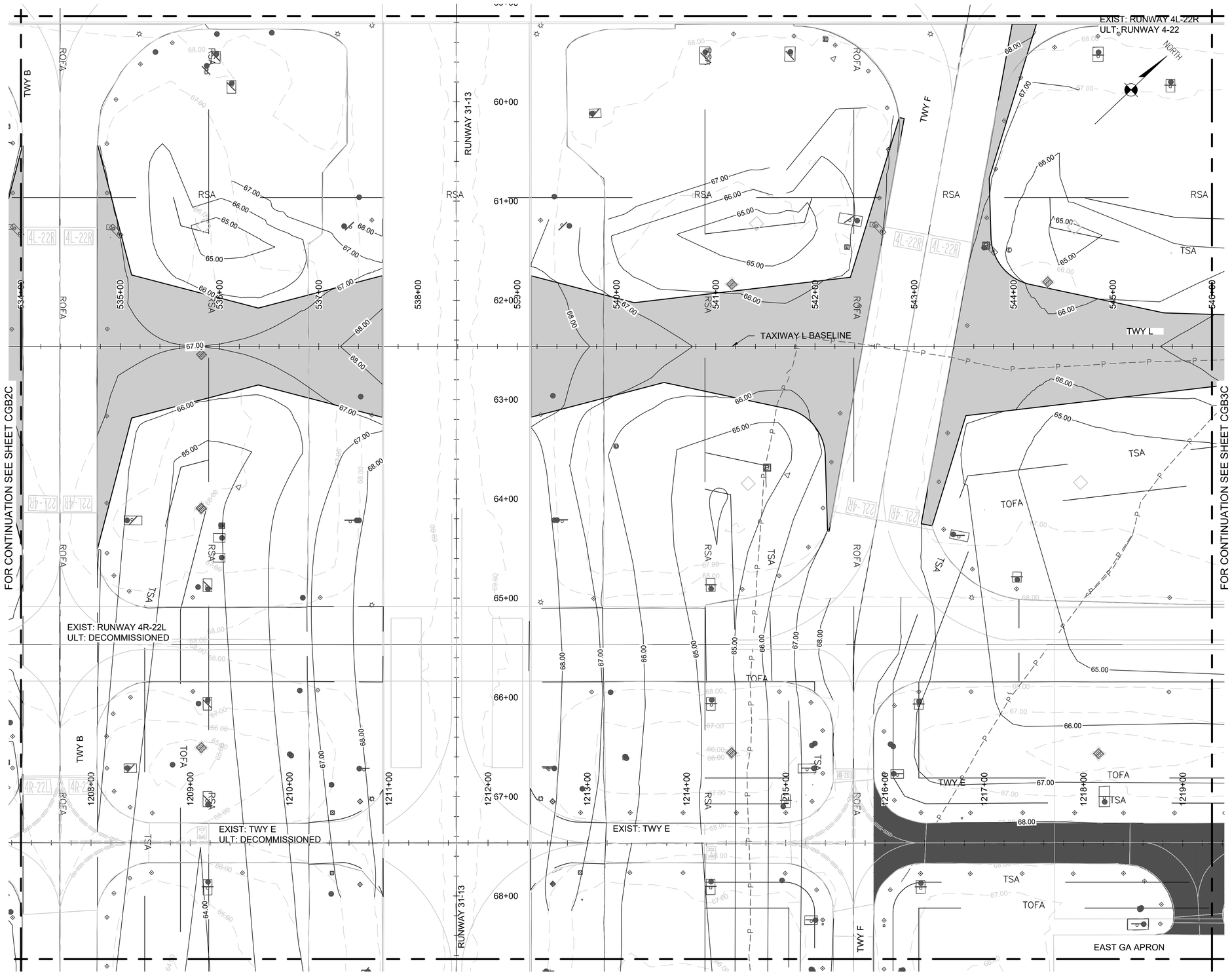
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB2C	074

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CADD D3-R4



NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.
2. ALL WORK ON THIS SHEET SOUTH AND WEST OF TAXIWAY F IS PHASE I. NOT IN THIS CONTRACT.

LEGEND:

- EXISTING CONTOUR
- FINISHED CONTOUR
- 65.00 ELEVATION LABEL

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B2D

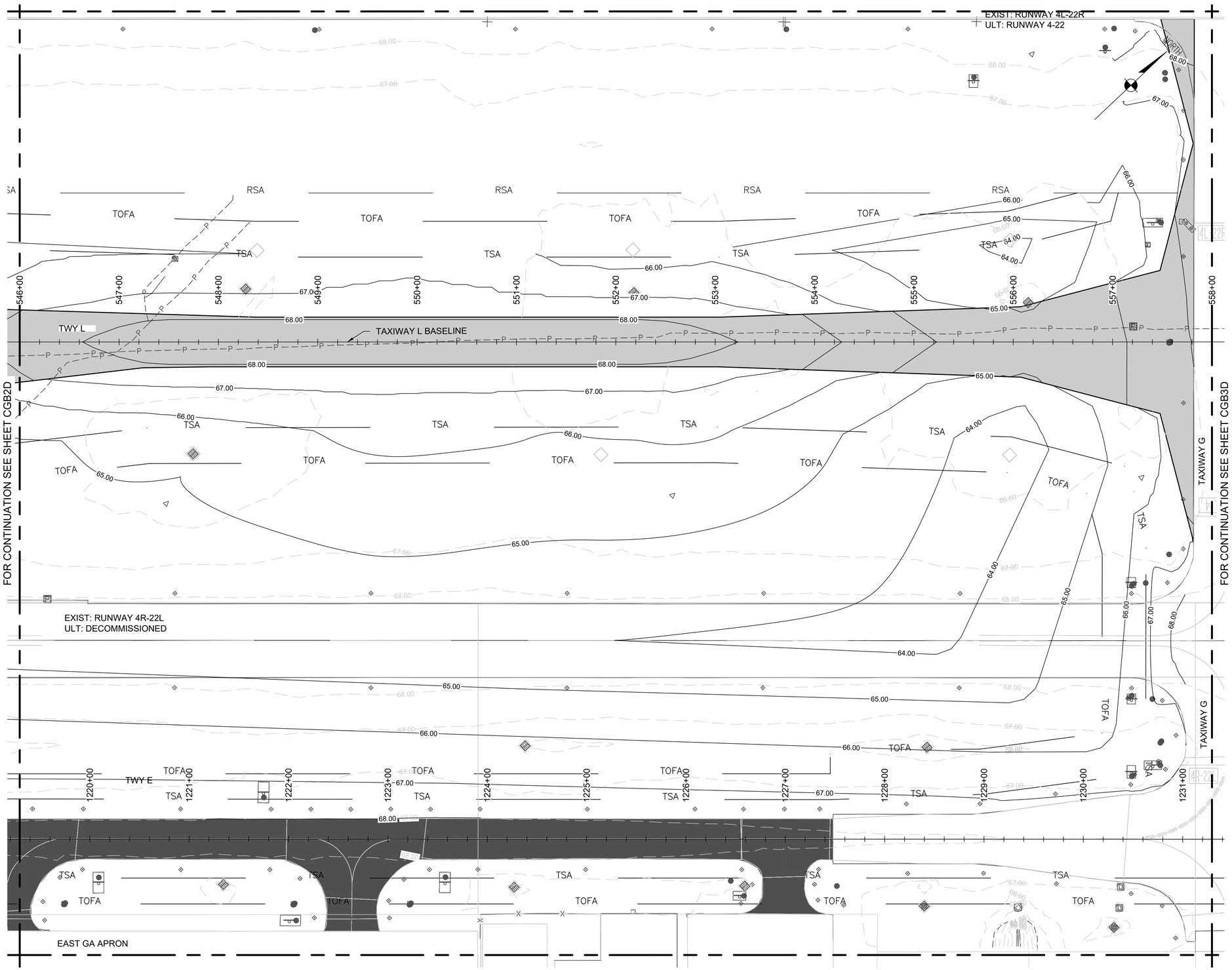
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB2D	075

CADD D3-R4

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NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

65.00 ELEVATION LABEL

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B3C

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB3C	076

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CADD D3-R4

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

FOR CONTINUATION SEE SHEET CGB3C

FOR CONTINUATION SEE SHEET CGB4C

NORTH

RSA

TSA

TOFA

TWY L

TWY G

TWY E

TAXIWAY L BASELINE

PERIMETER ROAD BASELINE

RP

558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00

889+40 890+00 891+00 892+00 893+00 894+00 895+00 896+00 897+00 898+00 899+00 900+00 901+00

NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

65.00 ELEVATION LABEL

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B3D

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB3D	077

CADD D3-R4

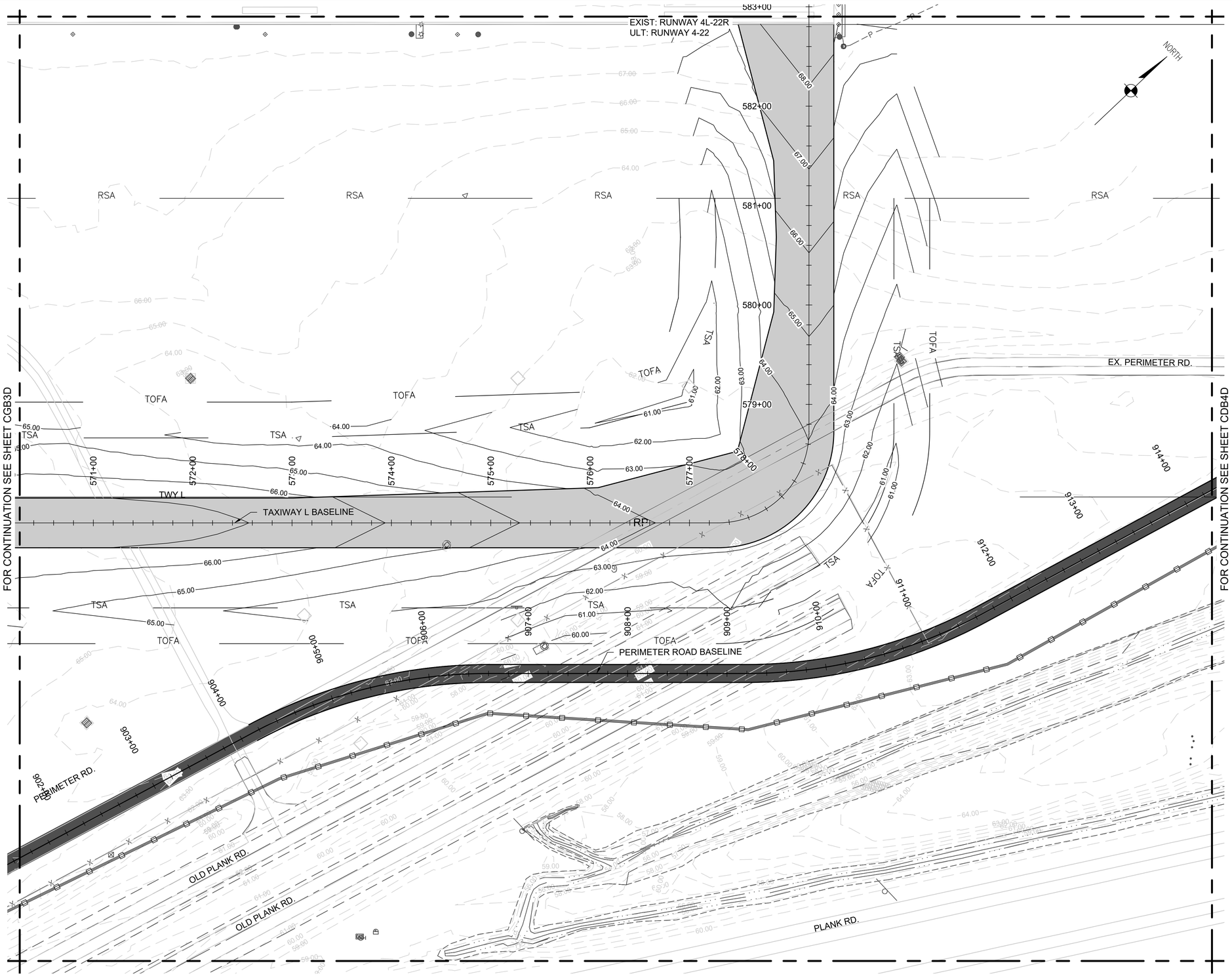
© STANLEY CONSULTANTS

NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.

LEGEND:

	EXISTING CONTOUR
	FINISHED CONTOUR
65.00	ELEVATION LABEL



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

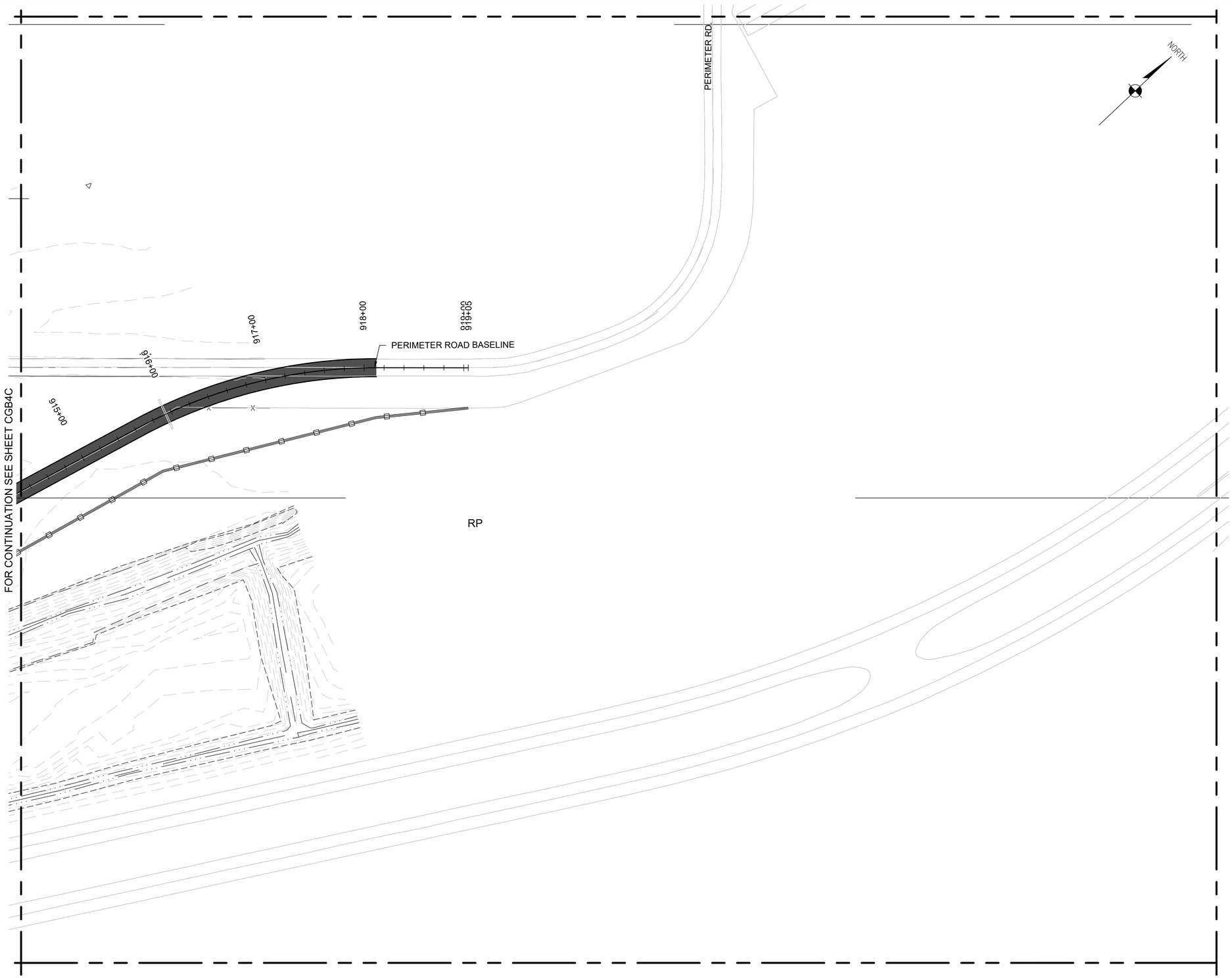
PROPOSED GRADING PLAN – AREA B4C

DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE:1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB4C	078

CADD D3-R4
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NOTES:

1. SEE SHEET CG100 FOR GRADING SHEET NOTES.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

65.00 ELEVATION LABEL

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

PROPOSED GRADING PLAN – AREA B4D

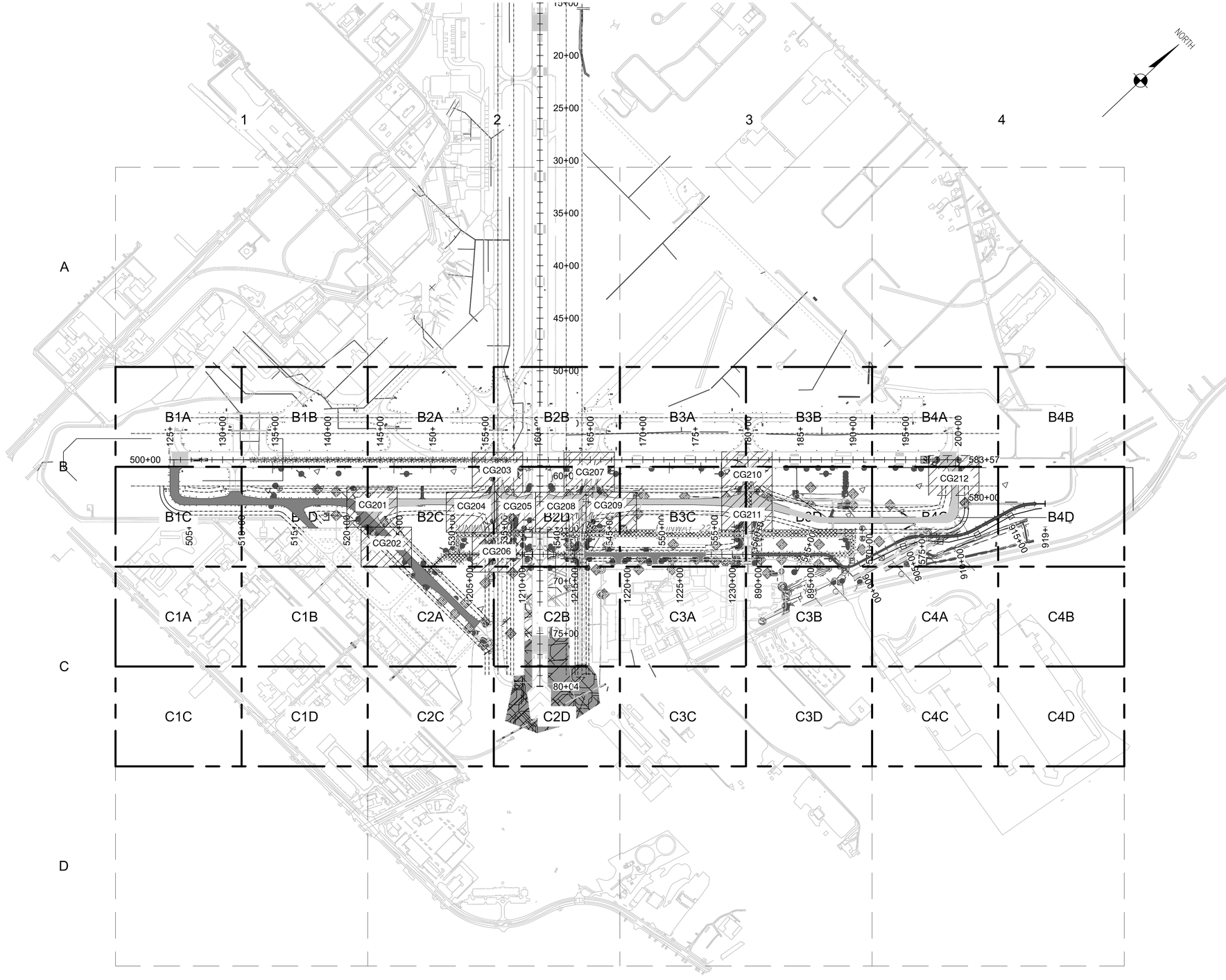
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CGB4D	079

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CADD D3-R4



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Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING LOCATION PLAN

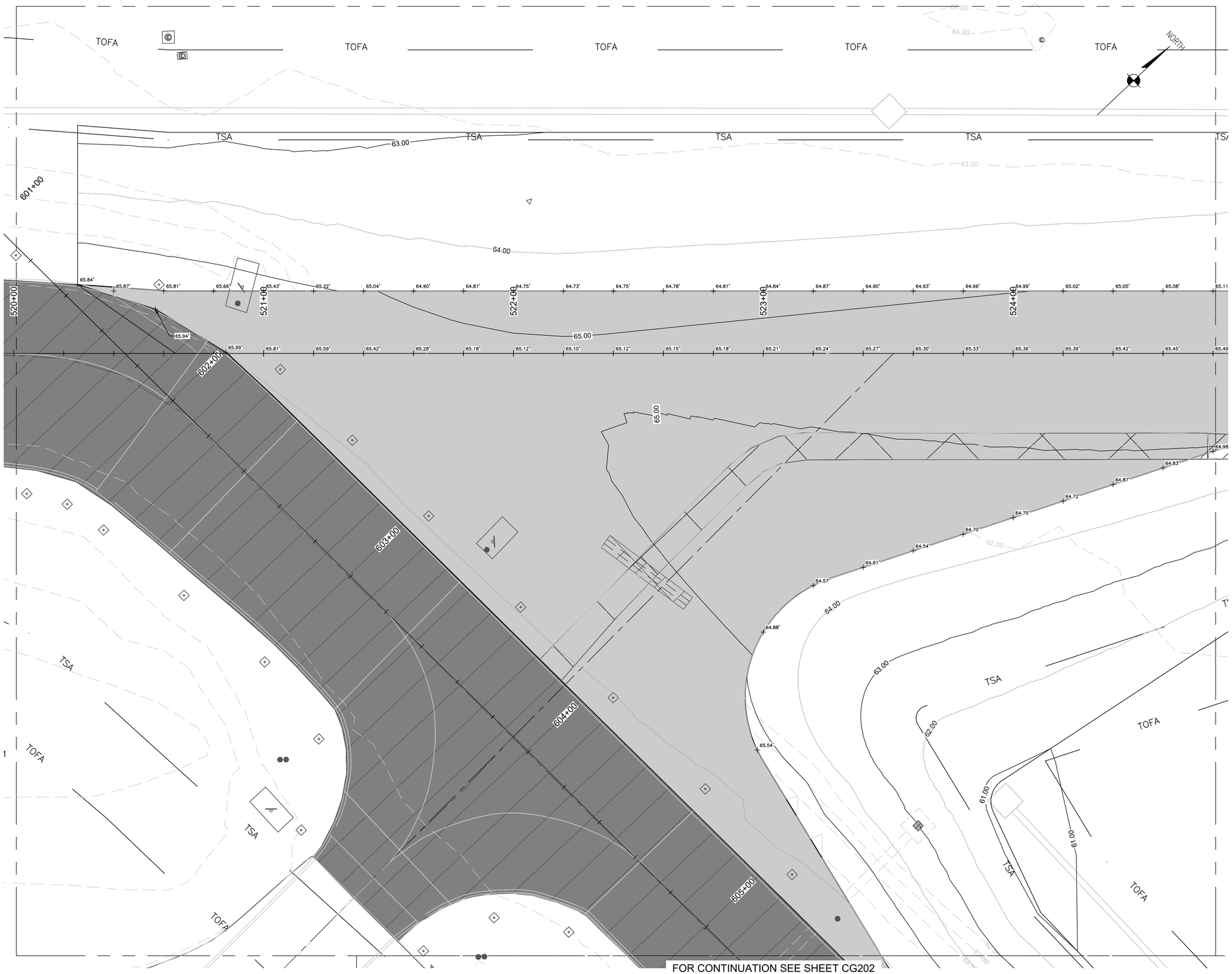
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 500
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG200	080

CADD D3-R4

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NOTES:

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LEGEND:

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License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 201

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

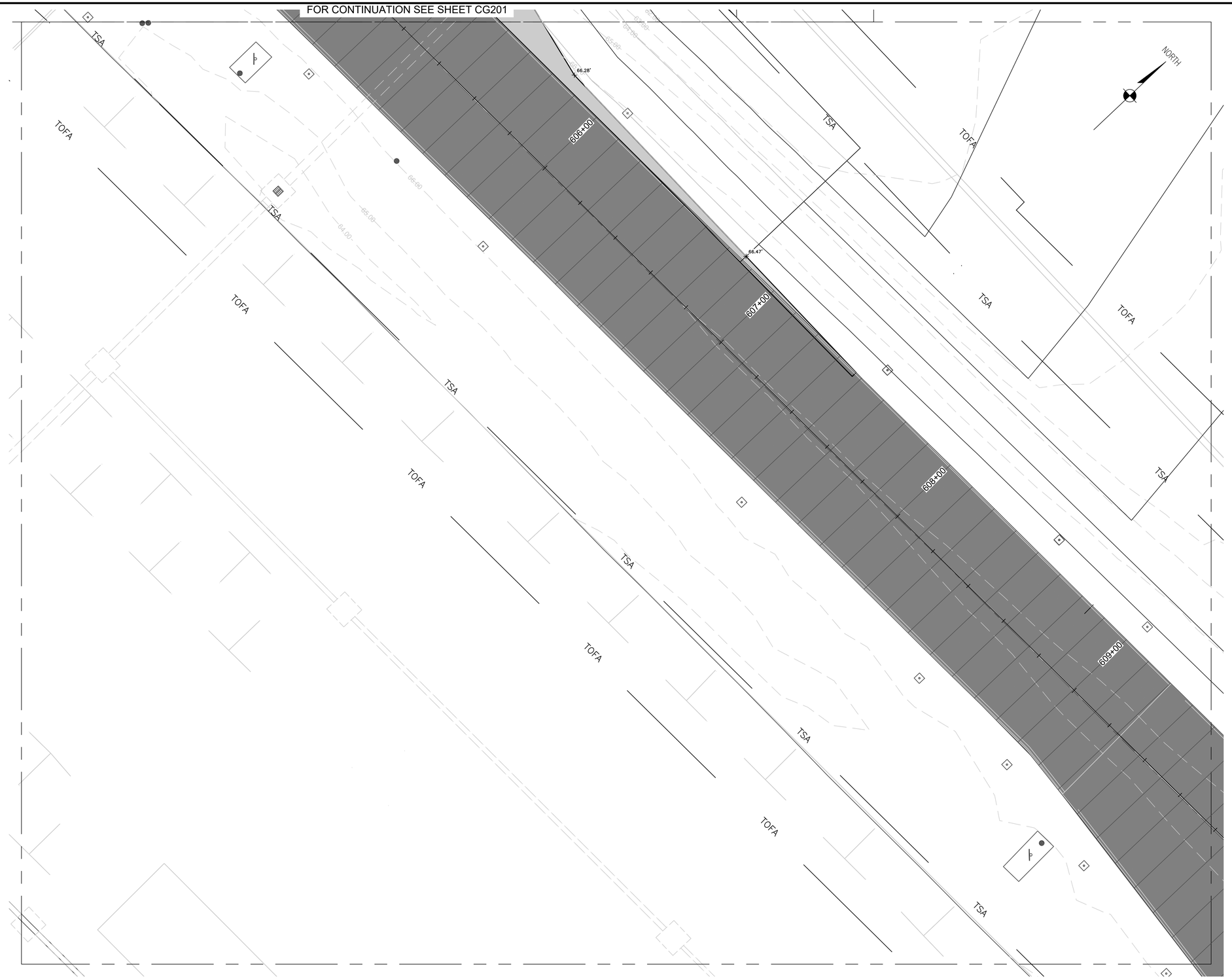
SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG201	081

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CADD D3-R4

FOR CONTINUATION SEE SHEET CG201



NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 202

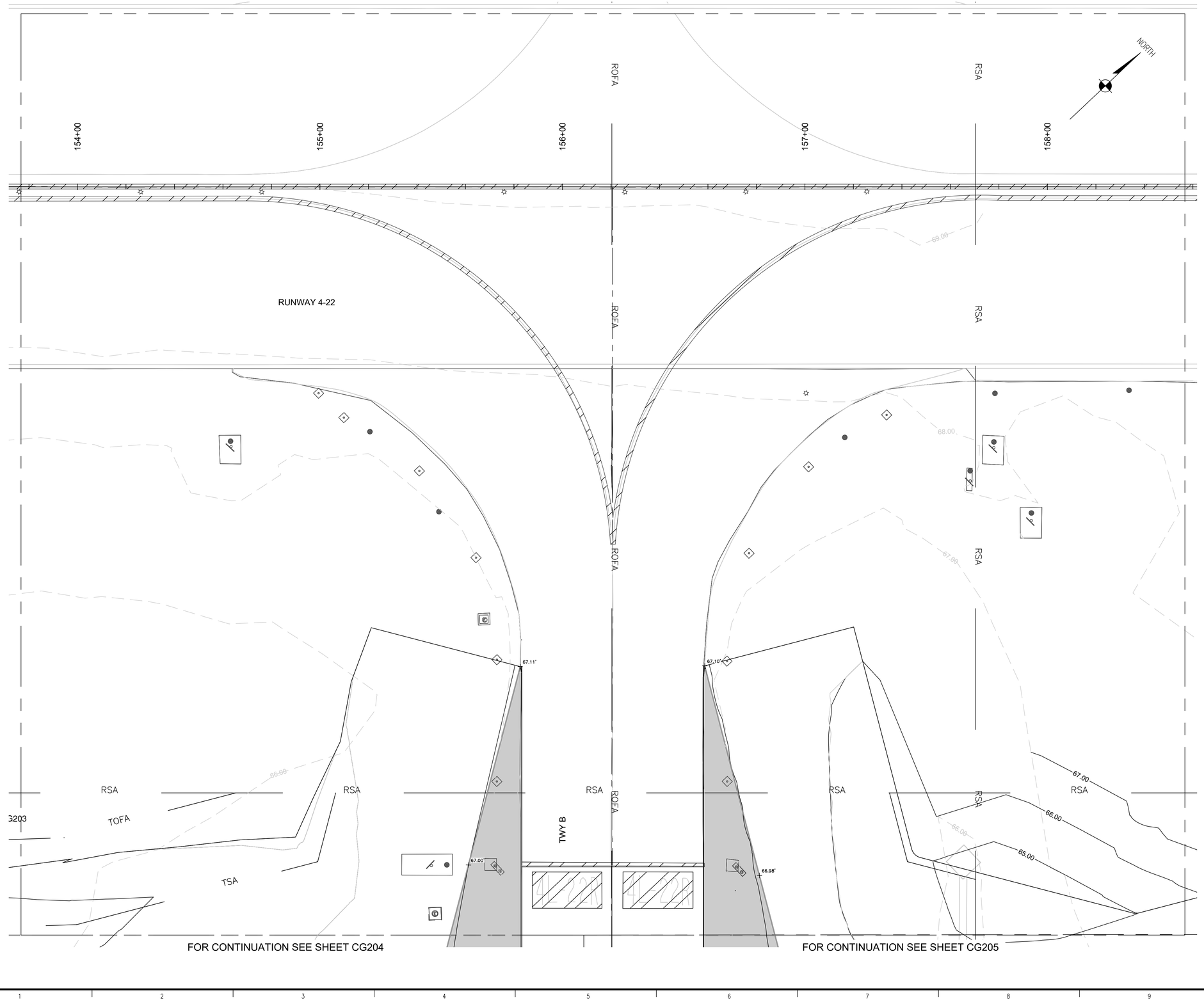
DESIGNED W.T.B.
DRAWN G.H.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG202	082

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CADD D3-R4



NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 203

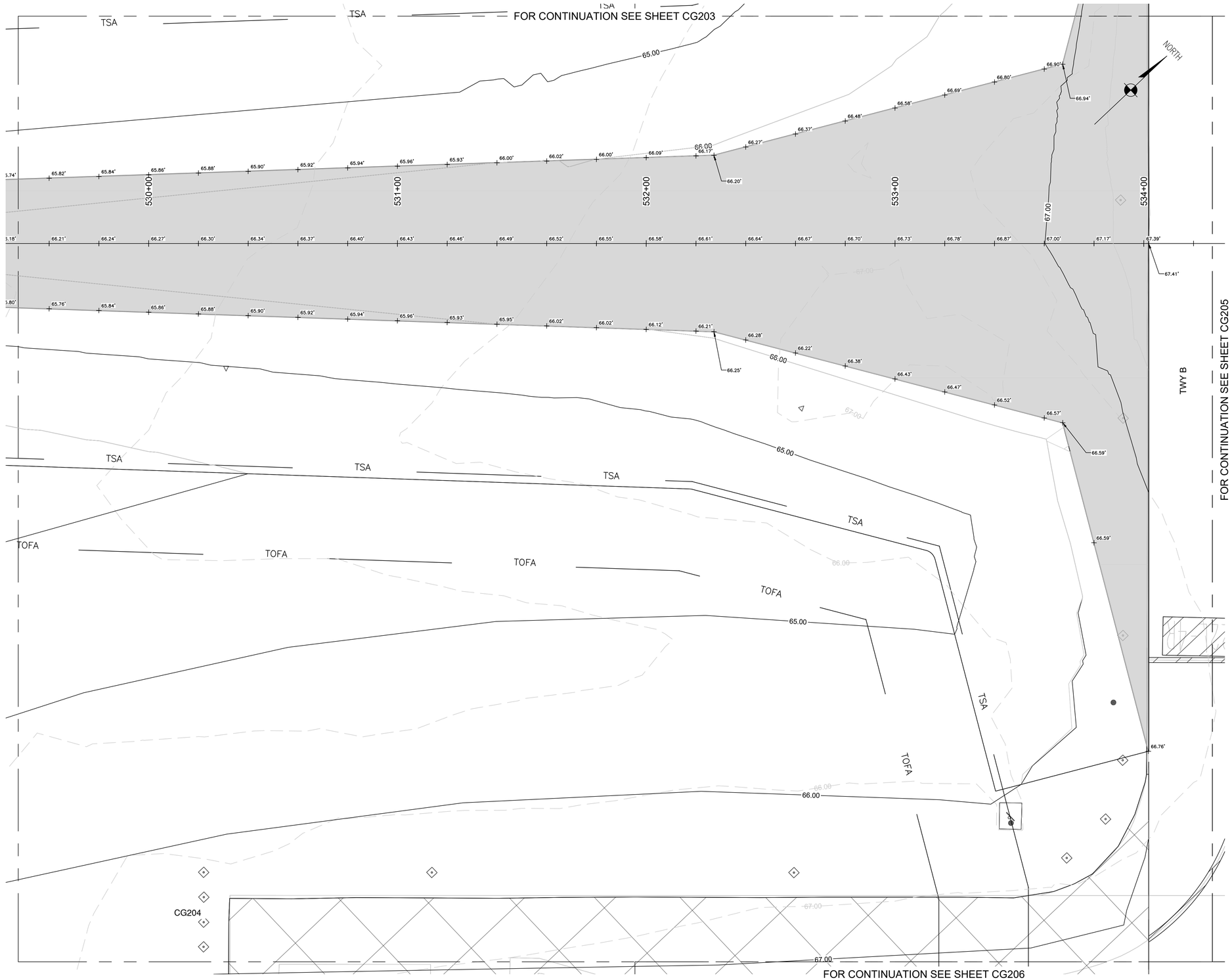
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG203	083

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CADD D3-R4



NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 204

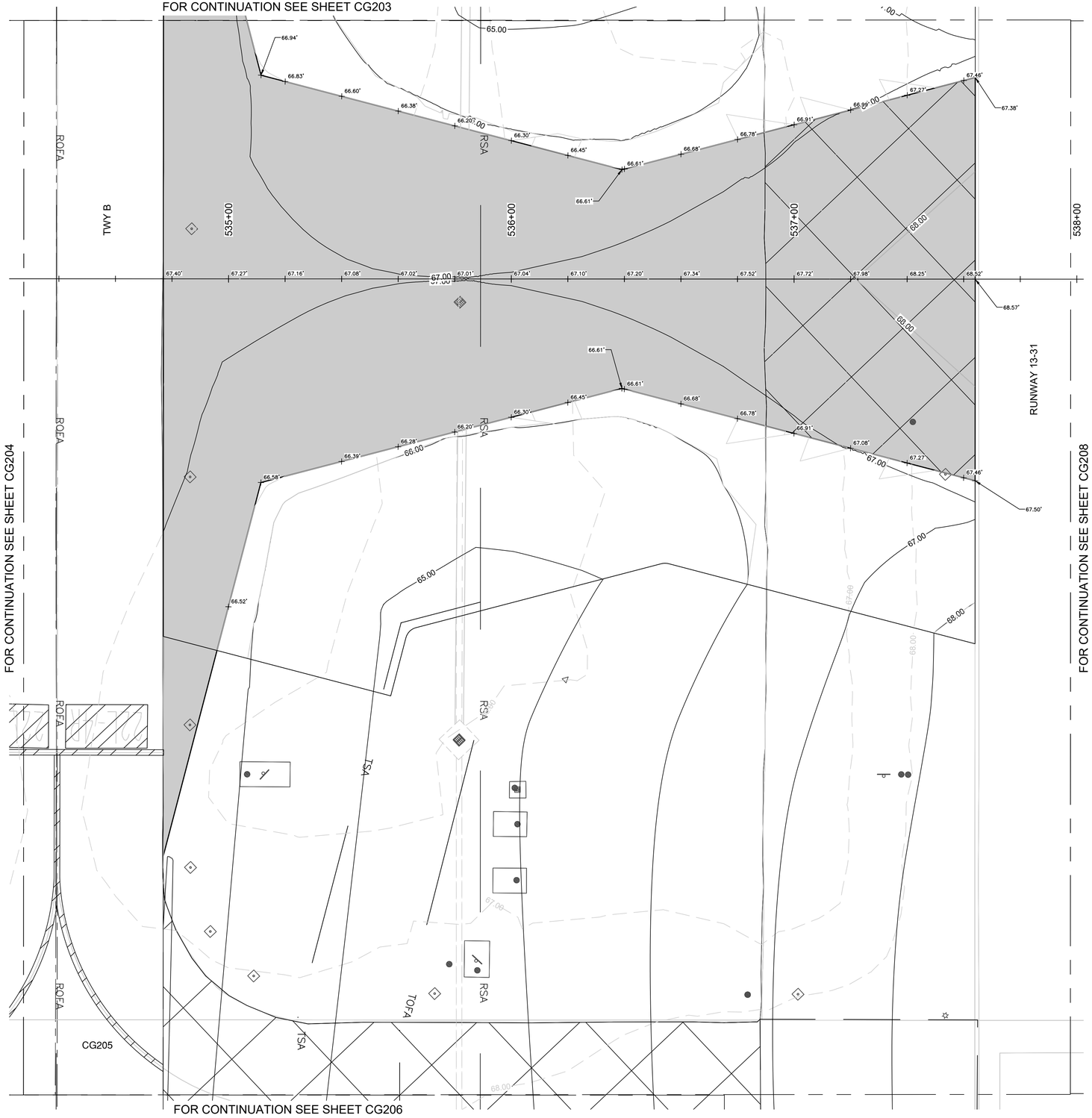
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG204	084

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CADD D3-R4



NORTH

NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

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BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 205

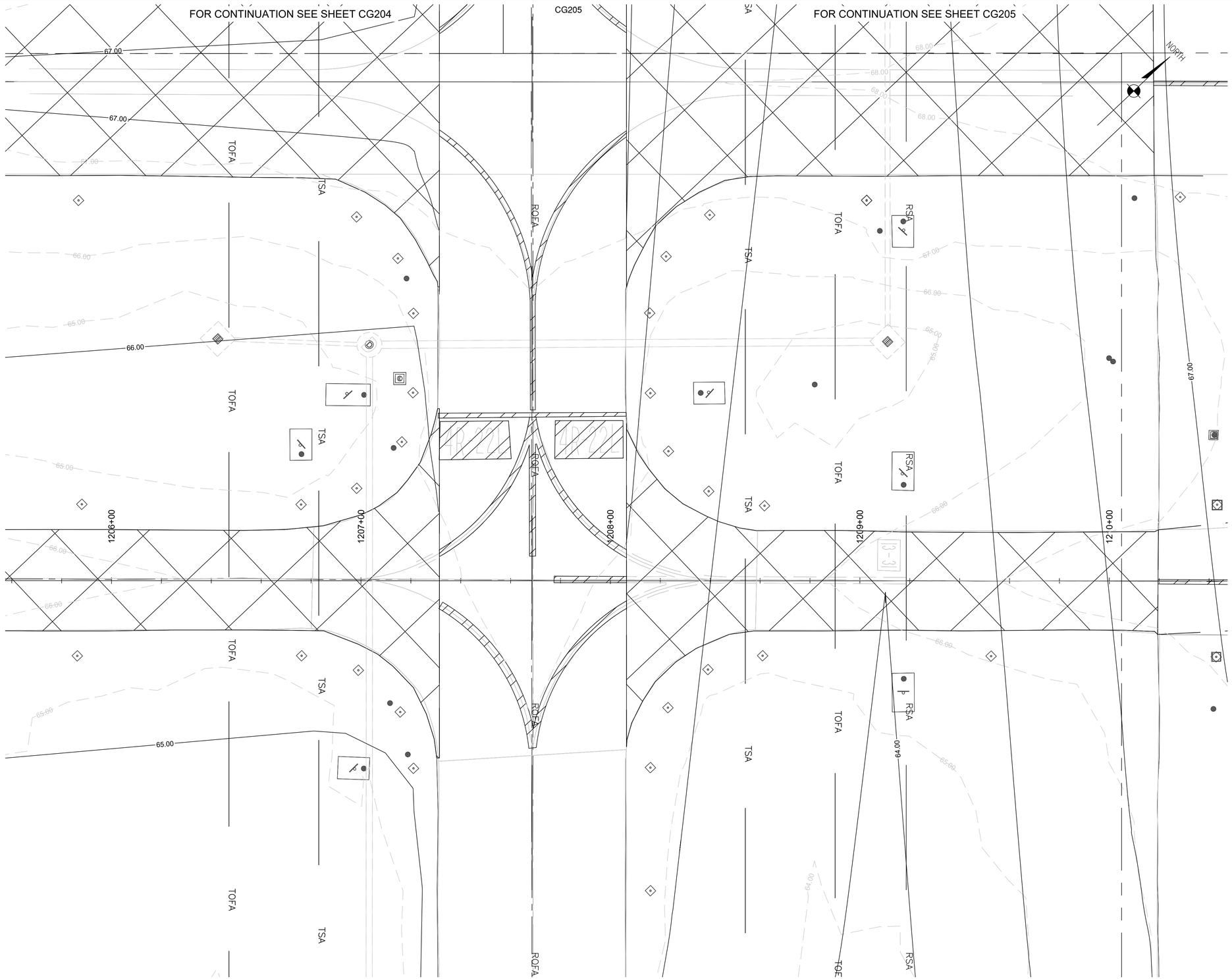
DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG205	085

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CADD D3-R4



NOTES:

1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 206

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG206	086

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CADD D3-R4

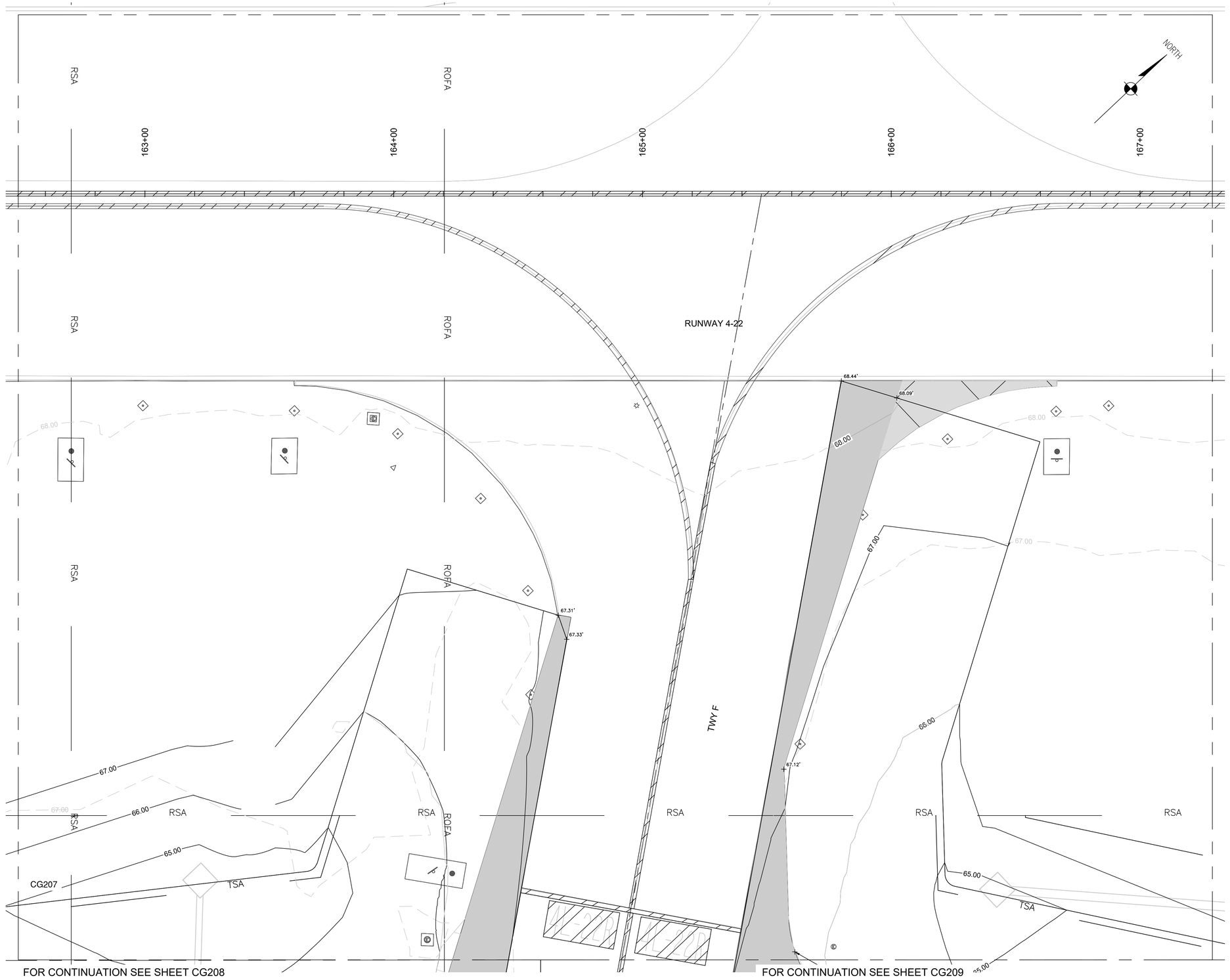
NOTES:

1. ALL WORK ON THIS SHEET SOUTH AND WEST OF TAXIWAY F IS PHASE I. NOT IN THIS CONTRACT.

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 207

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG207	087

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CADD D3-R4

FOR CONTINUATION SEE SHEET CG207

FOR CONTINUATION SEE SHEET CG205

FOR CONTINUATION SEE SHEET CG209

538+00 539+00 540+00 541+00 542+00

62+00 63+00 64+00 65+00

RUNWAY 13-31

RSA ROFA TSA TWY F

NORTH

68.45' 68.47' 68.10' 67.74' 67.37' 67.00' 66.83' 66.56' 66.39' 66.33' 66.16' 65.99' 65.83' 65.75' 65.80' 65.94' 66.08' 66.24' 66.27'

68.00 67.00 66.00 65.00

68.59' 68.53' 68.33' 68.13' 67.93' 67.73' 67.53' 67.33' 67.15' 66.98' 66.85' 66.75' 66.69' 66.66' 66.66' 66.70' 66.77' 66.87' 66.92'

68.50' 68.13' 67.75' 67.38' 67.01' 66.94' 66.86' 66.66' 66.46' 66.26' 66.06' 65.86' 65.76' 65.83' 66.06'

68.49'

CAUTION
UNDERGROUND
FAA CABLES
4L-22R RVR AND
GLIDESLOPE

65.88'

CG208

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER

Blake S. Roussel
4/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 208

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG208	088

CADD D3-R4

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FOR CONTINUATION SEE SHEET CG207

FOR CONTINUATION SEE SHEET CG208

543+00 544+00 545+00 546+00 547+00

TWY F

TWY L

TSA

TOFA

CAUTION
UNDERGROUND
FAA CABLES
4L–22R RVR AND
GLIDESLOPE

CAUTION
UNDERGROUND
FAA CABLES
RTR

NORTH

LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 209

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG209	089

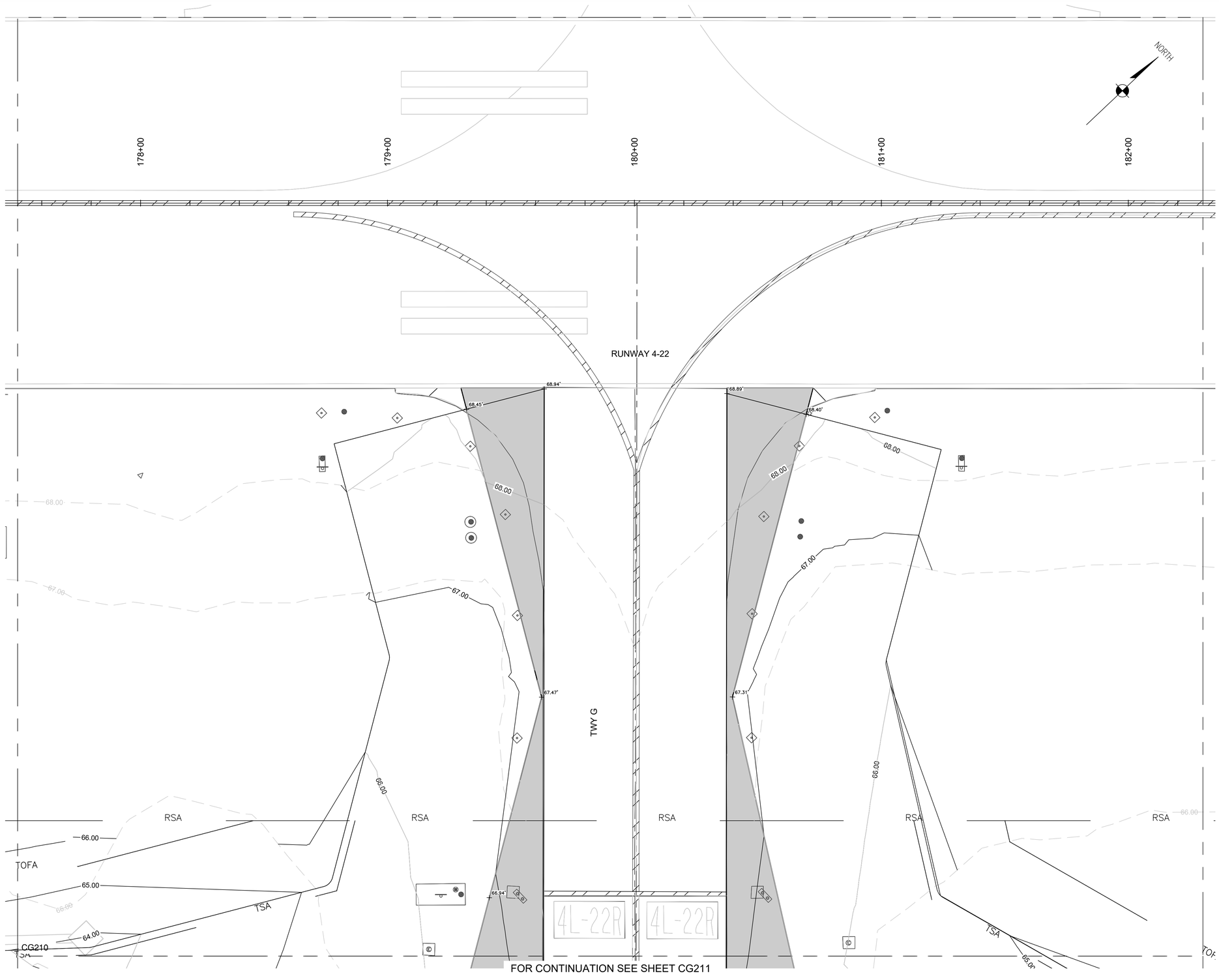
CADD D3—R4

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LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR



FOR CONTINUATION SEE SHEET CG211

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 210

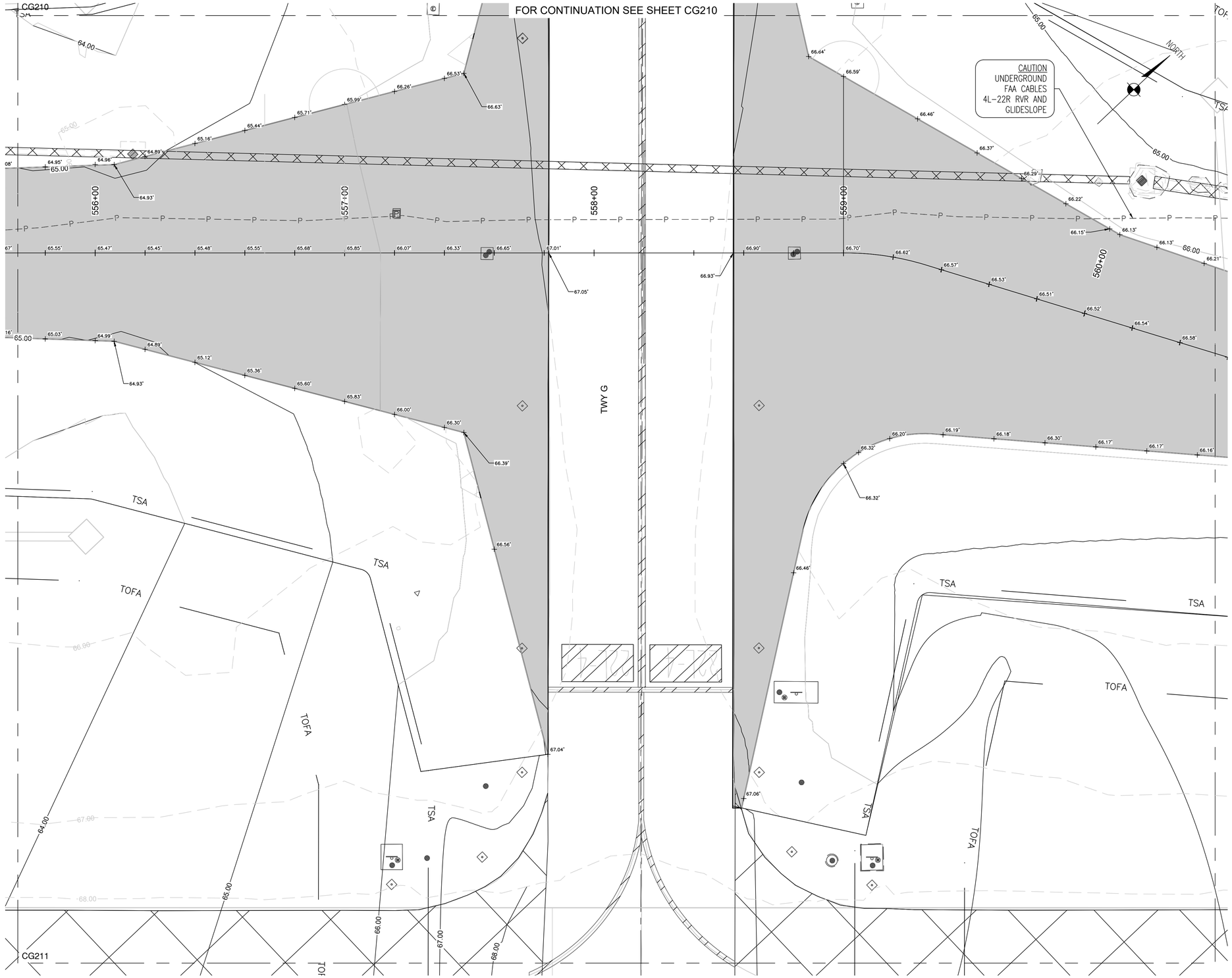
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG210	090

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CADD D3-R4



LEGEND:

EXISTING CONTOUR

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BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 211

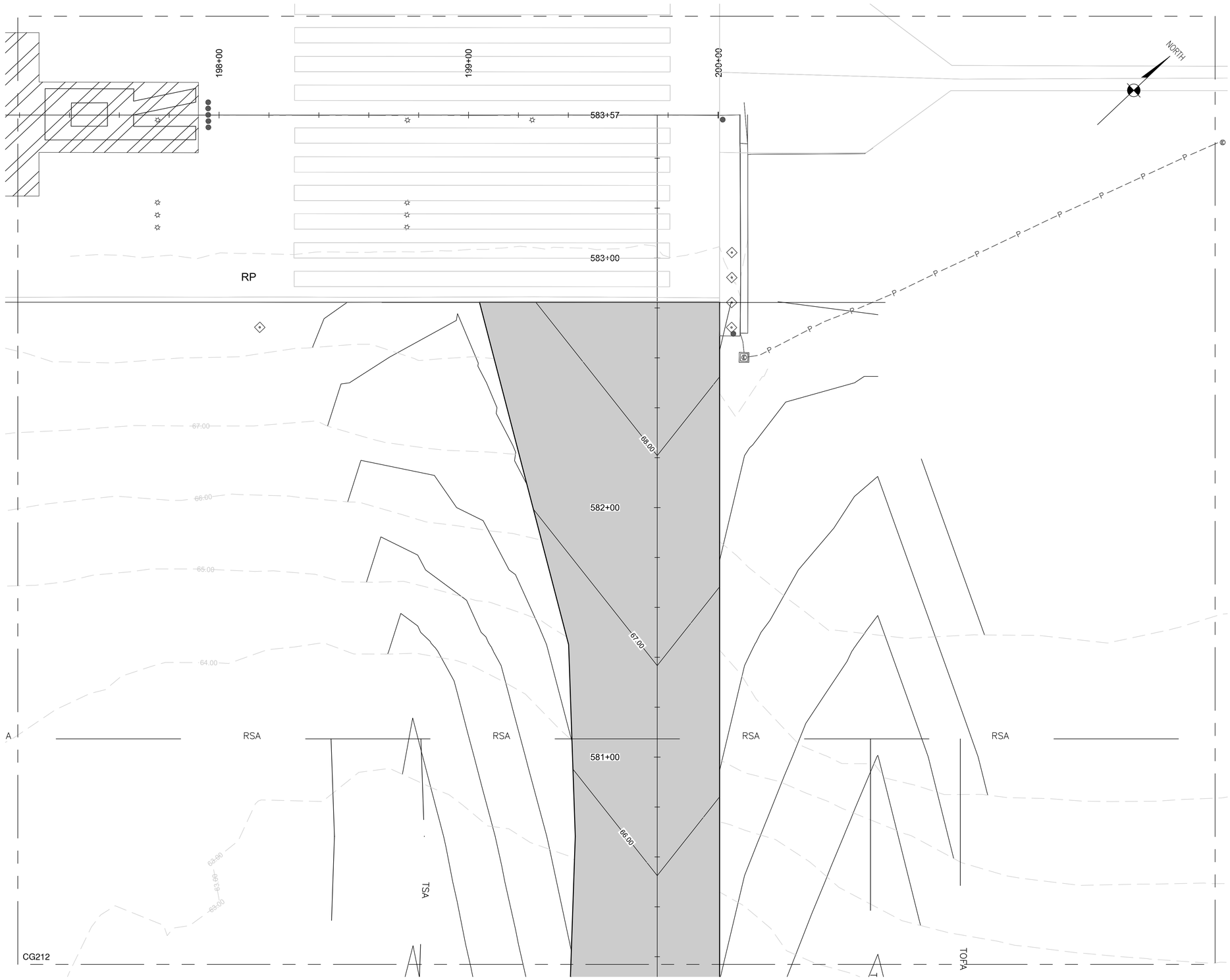
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG211	091

CADD D3-R4

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LEGEND:

EXISTING CONTOUR

FINISHED CONTOUR

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TAXIWAY LIMA EXTENSION

ENLARGED GRADING PLANS – AREA 212

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 20'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

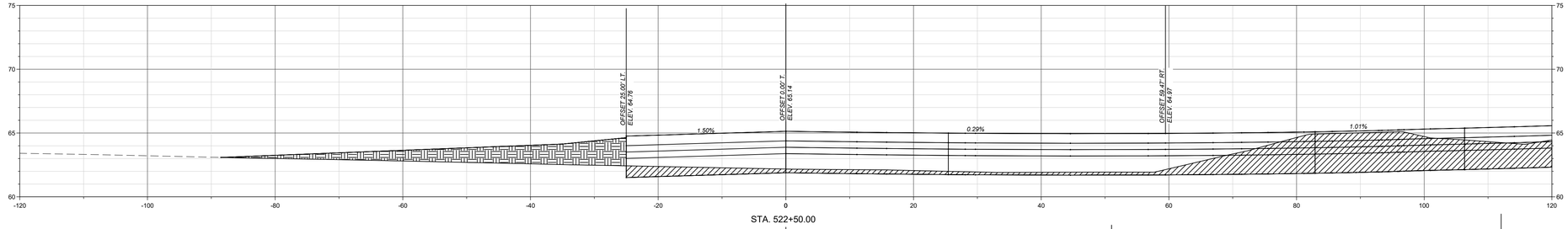
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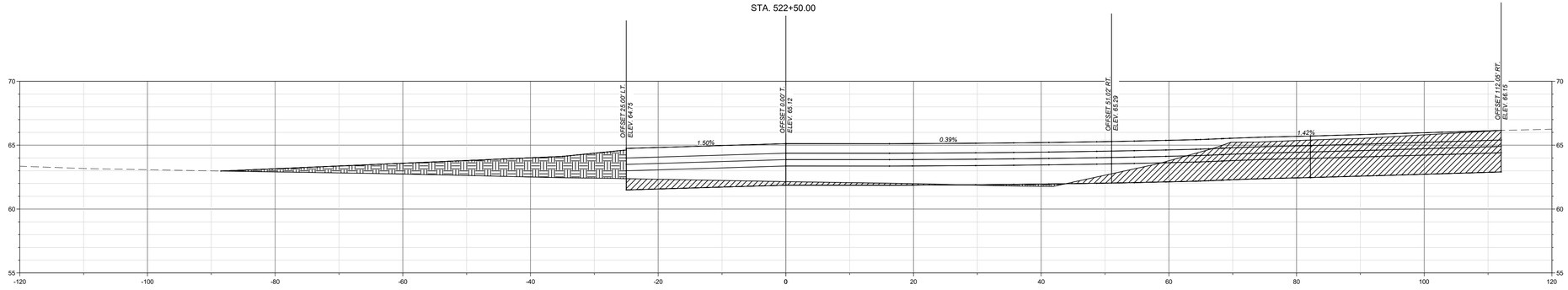
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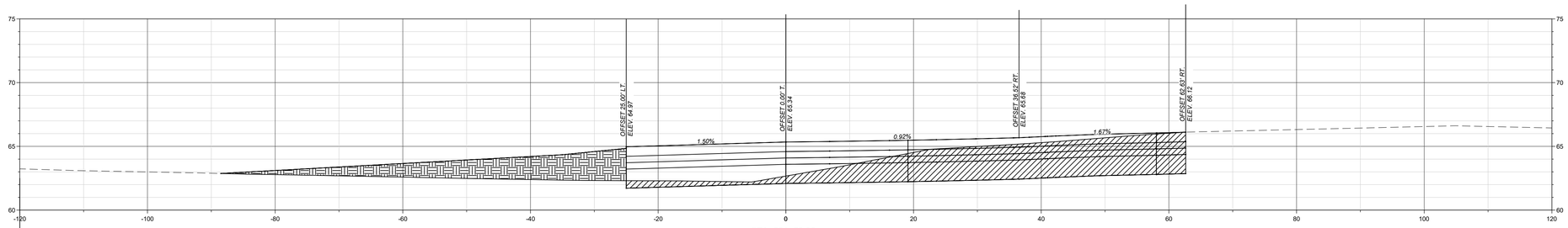
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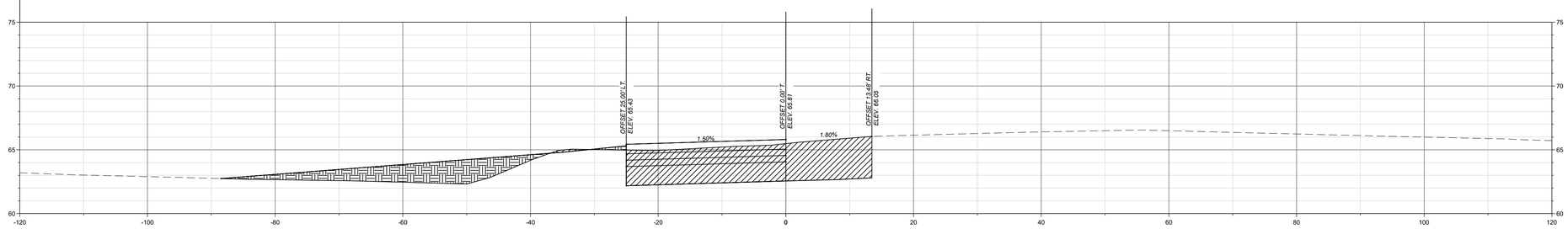
STA. 522+50.00



STA. 522+00.00



STA. 521+50.00



STA. 521+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
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Blake S. Roussel
6/13/25

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

DESIGNED W.T.B.
DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

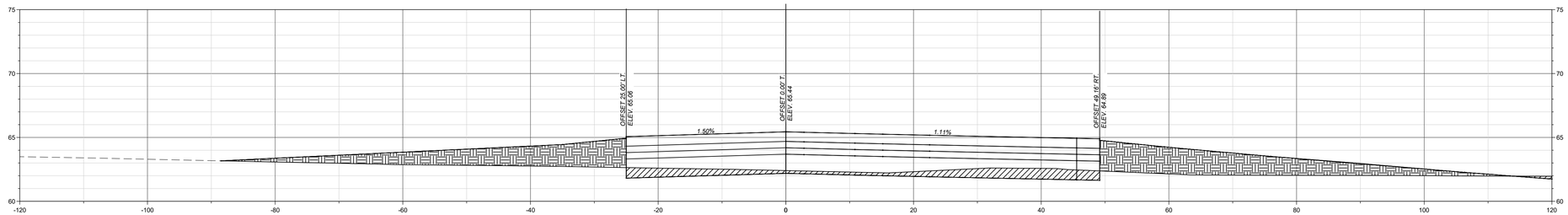
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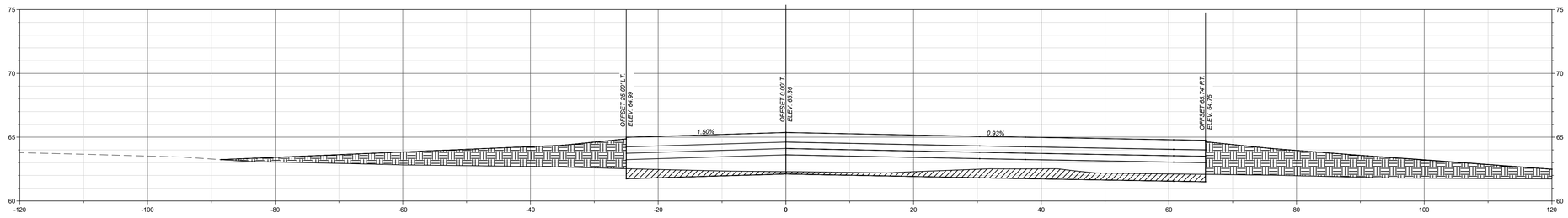
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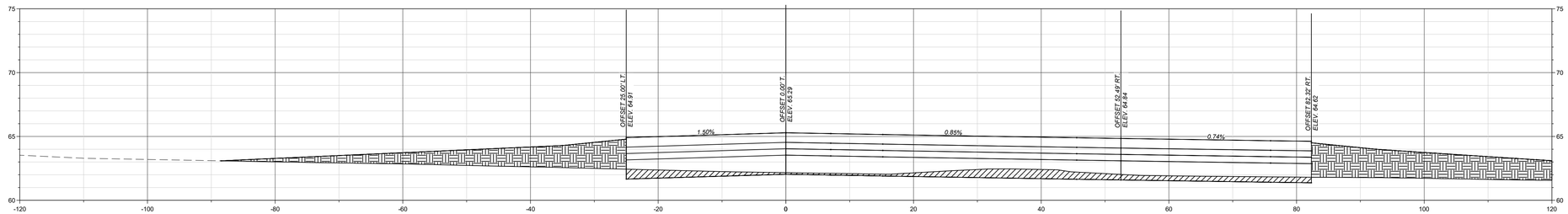
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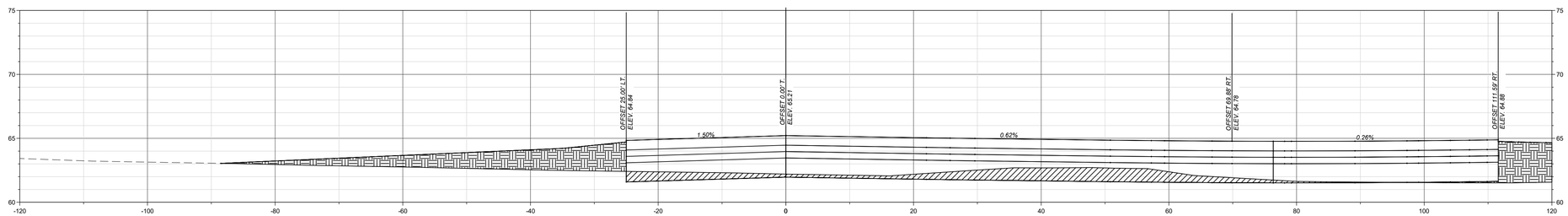
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STA. 524+00.00



STA. 523+50.00



STA. 523+00.00

STATE OF LOUISIANA
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TAXIWAY LIMA EXTENSION

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APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

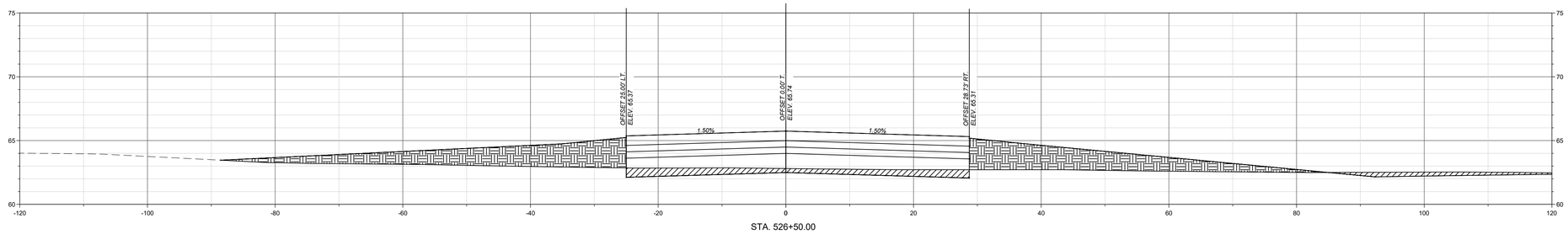
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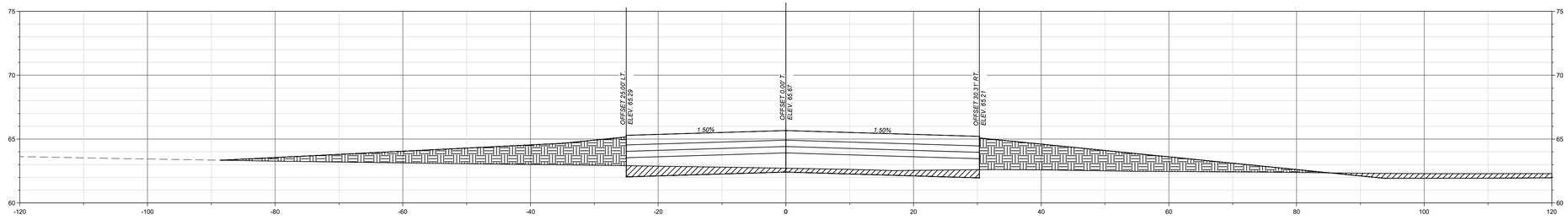
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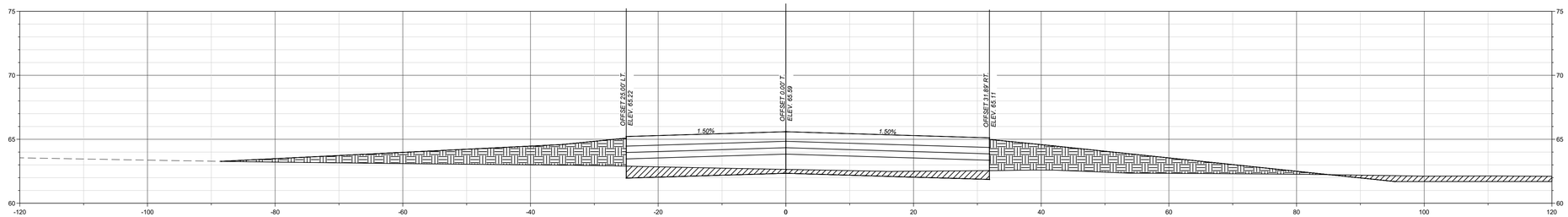
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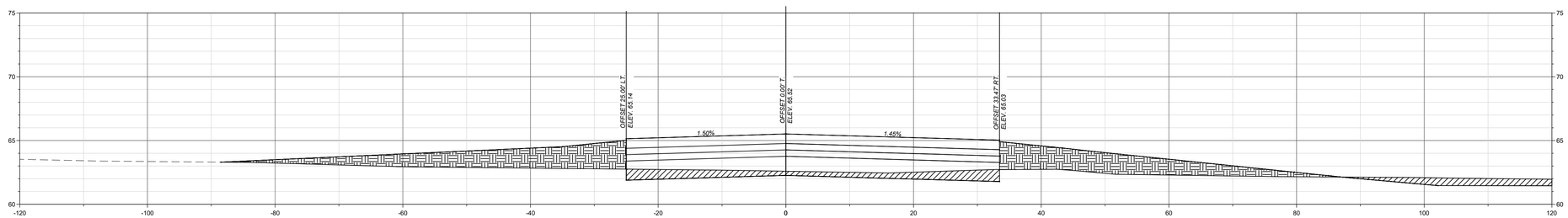
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STA. 526+00.00



STA. 525+50.00



STA. 525+00.00



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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

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APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

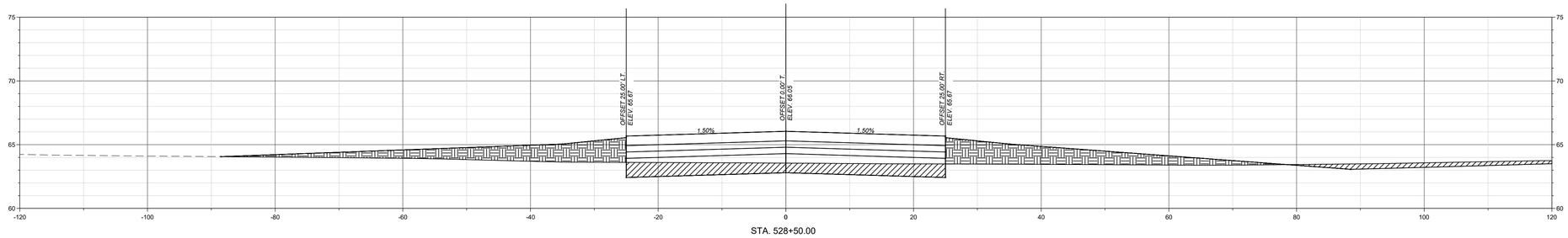
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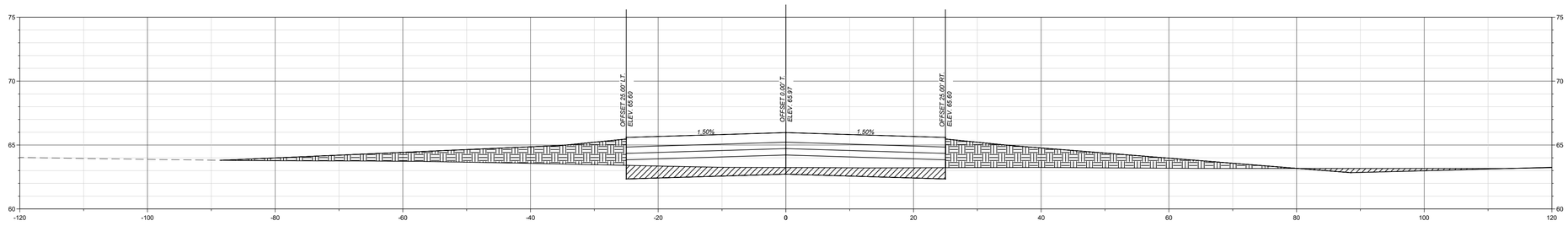
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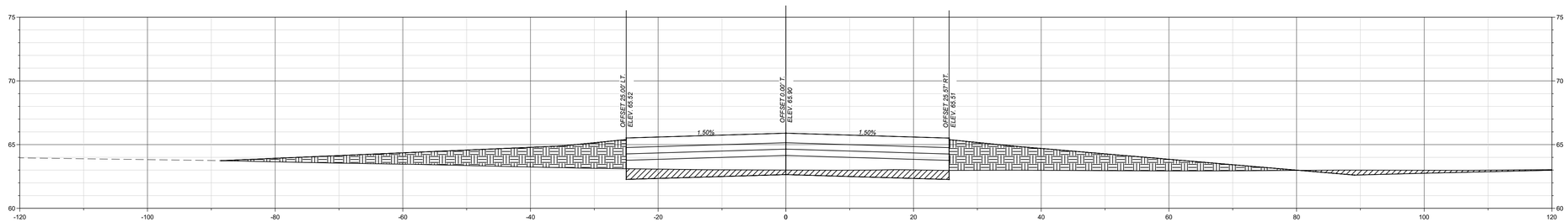
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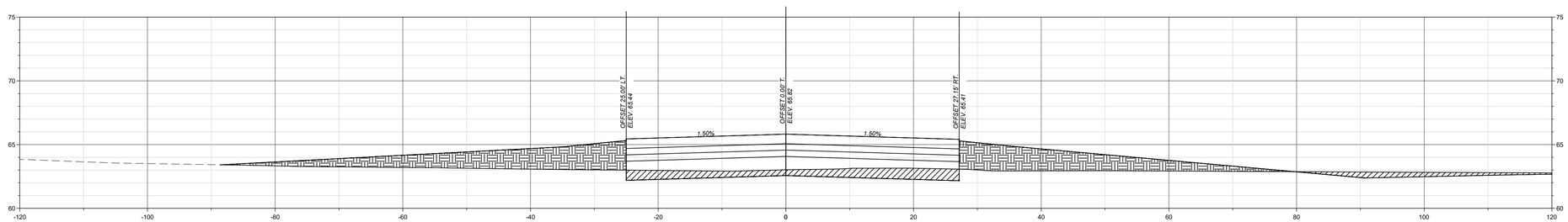
STA. 528+50.00



STA. 528+00.00



STA. 527+50.00



STA. 527+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

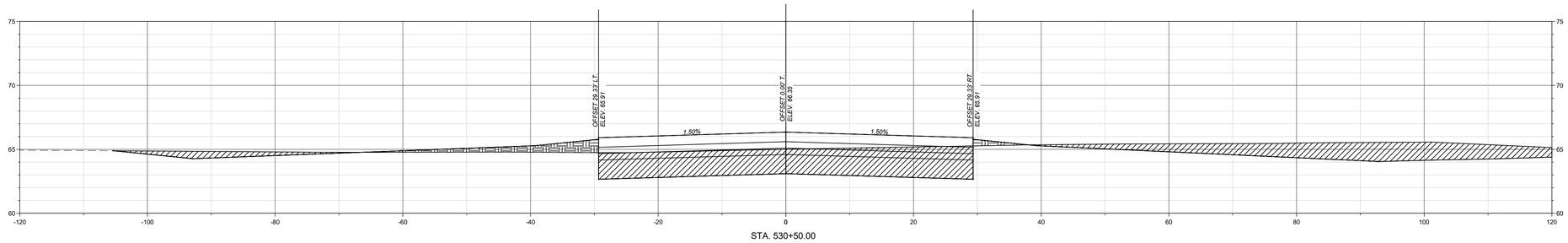
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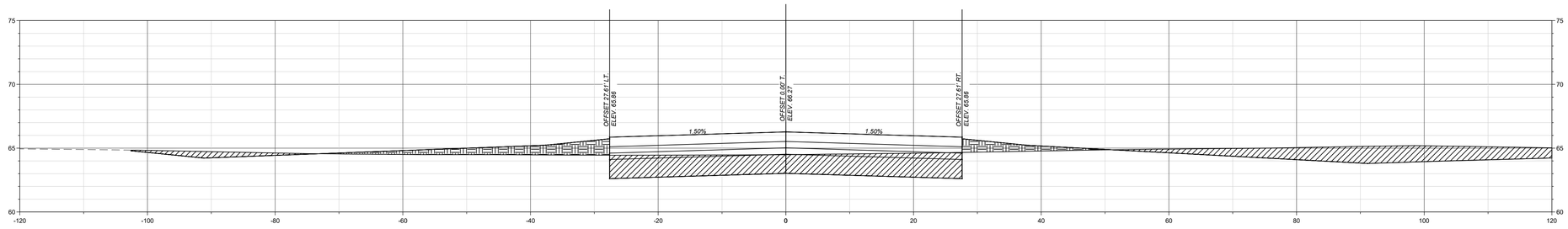
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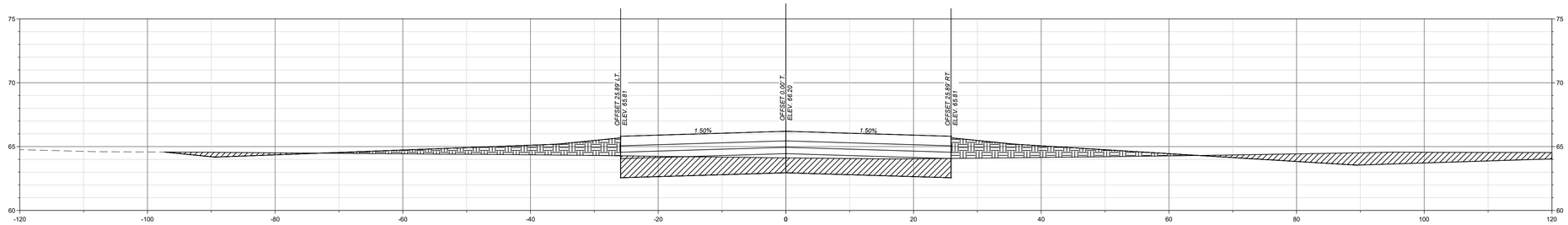
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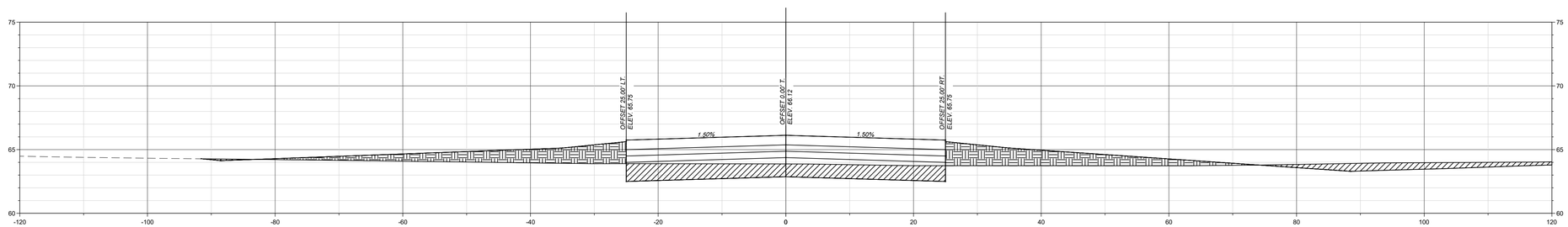
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STA. 530+00.00



STA. 529+50.00



STA. 529+00.00

STATE OF LOUISIANA
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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

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APPROVED N/A
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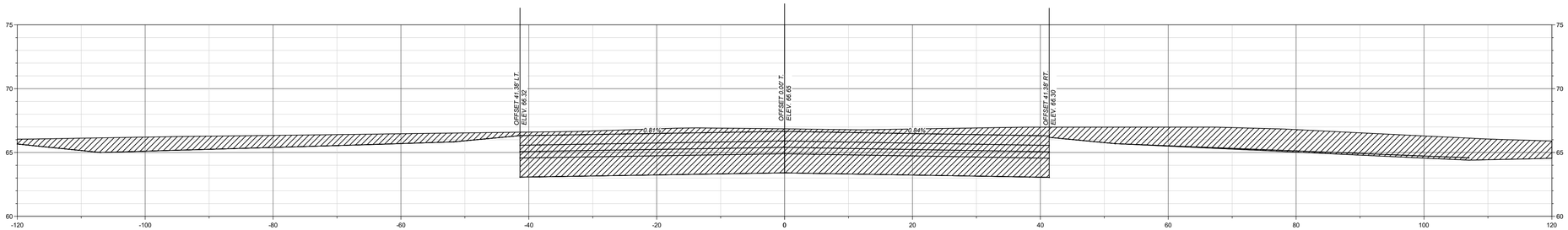
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FINAL PLANS

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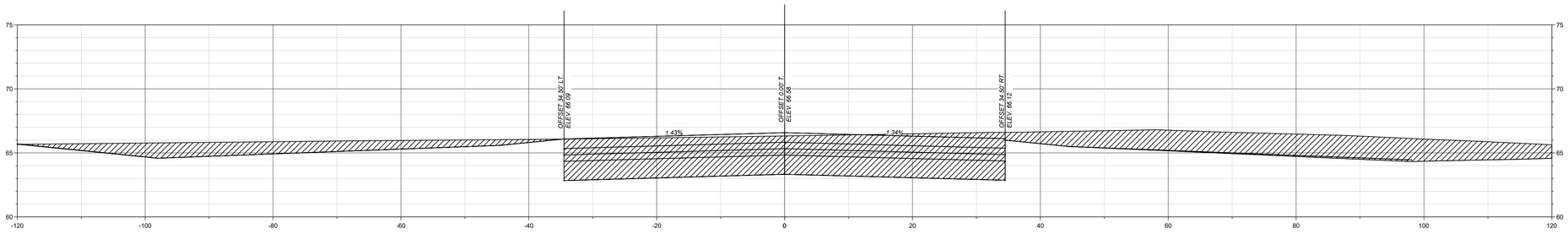
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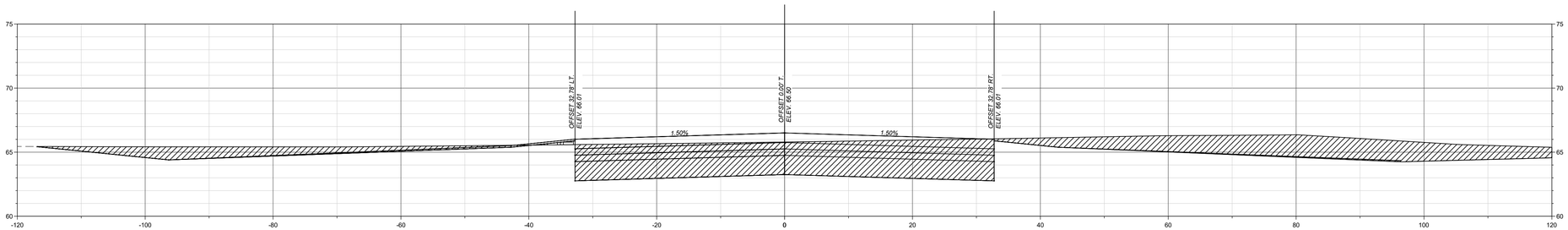
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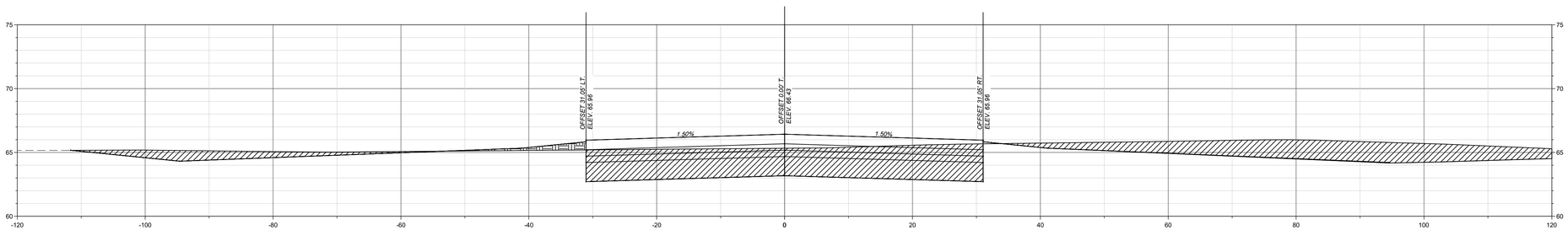
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STA. 532+00.00



STA. 531+50.00



STA. 531+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
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6/13/25

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TAXIWAY LIMA EXTENSION

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APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

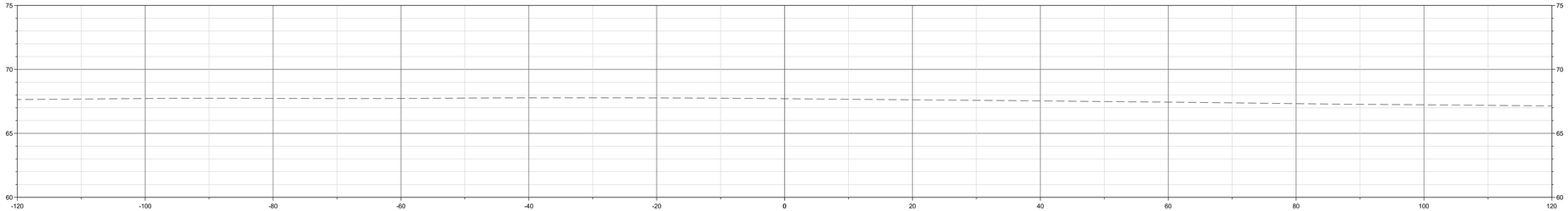
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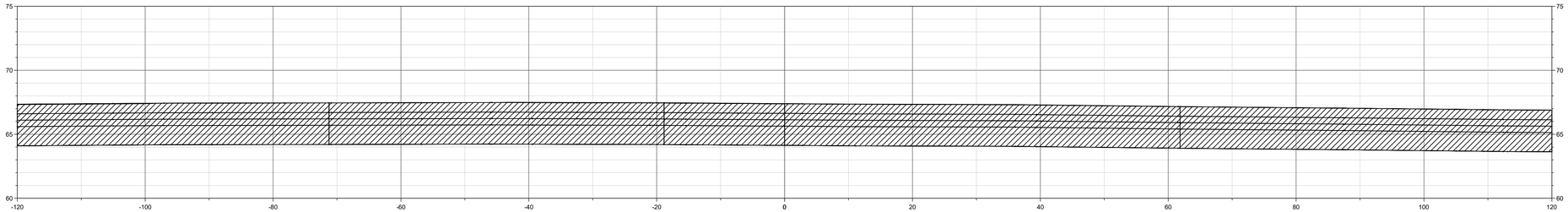
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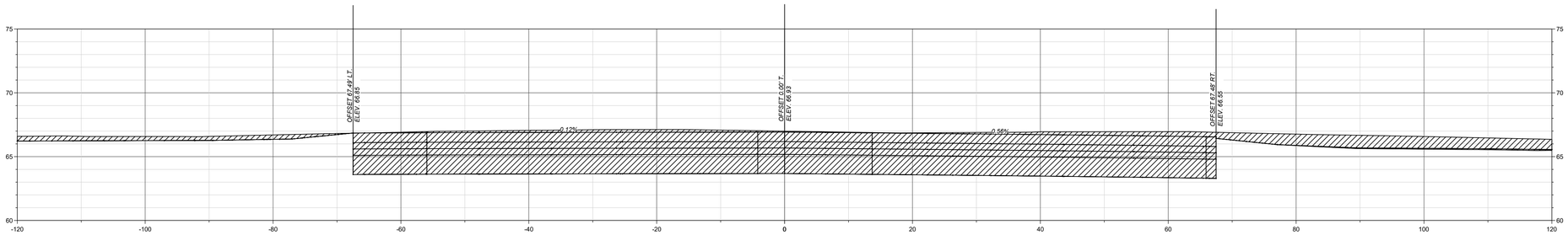
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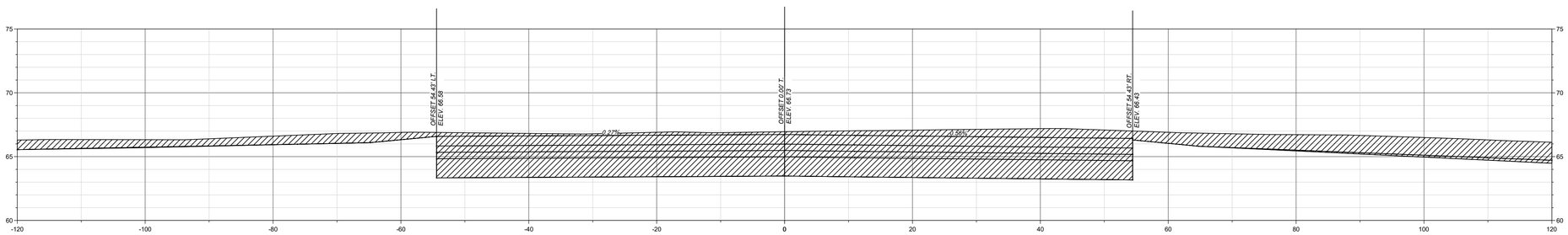
STA. 534+50.00



STA. 534+00.00



STA. 533+50.00



STA. 533+00.00

STATE OF LOUISIANA
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TAXIWAY LIMA EXTENSION

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CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

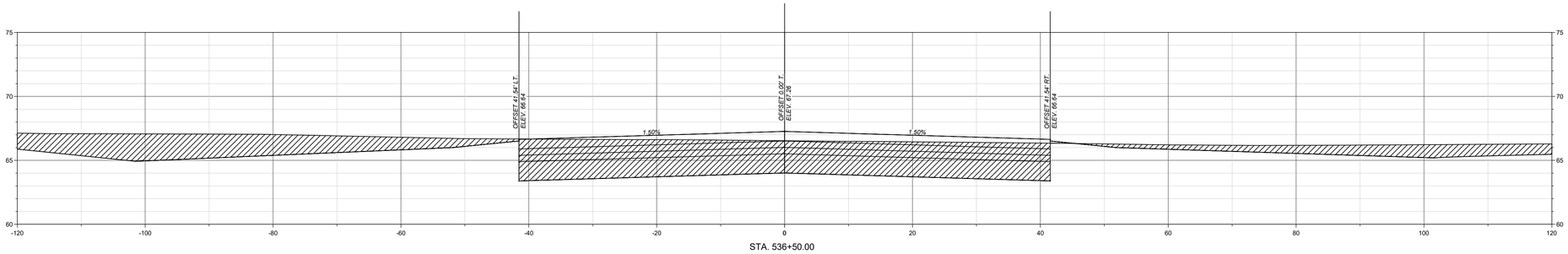
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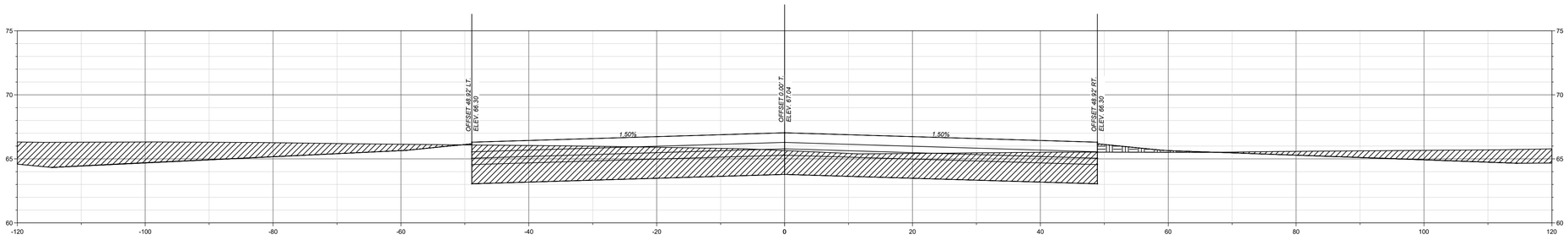
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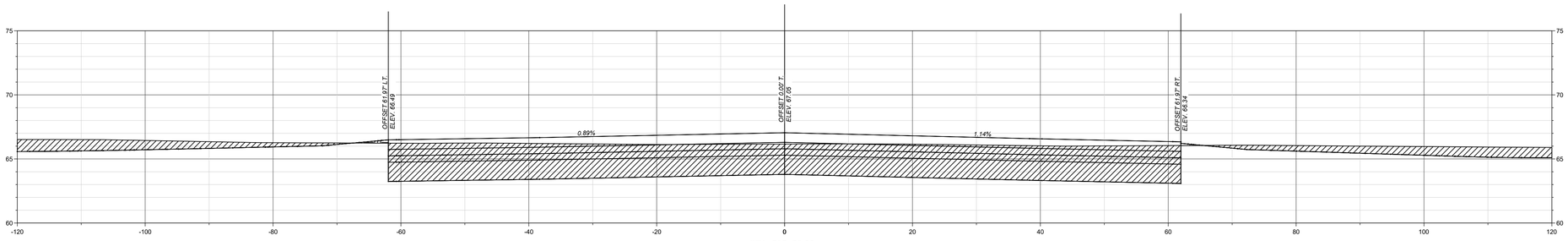
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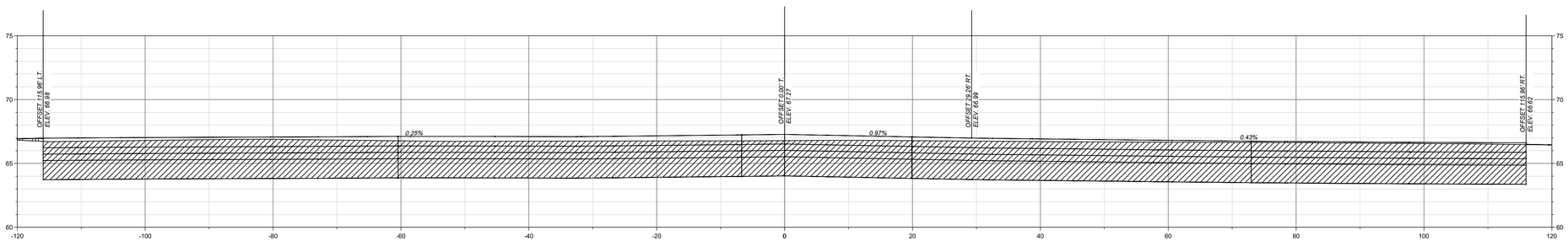
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CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

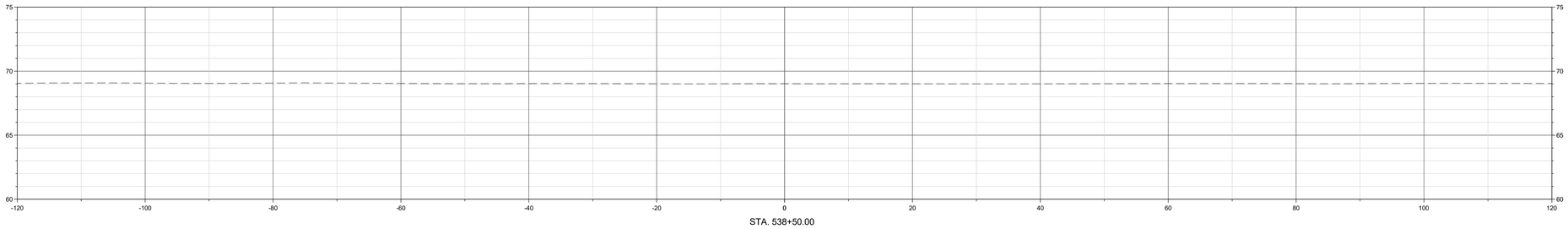
SHEET ID	SHEET NO
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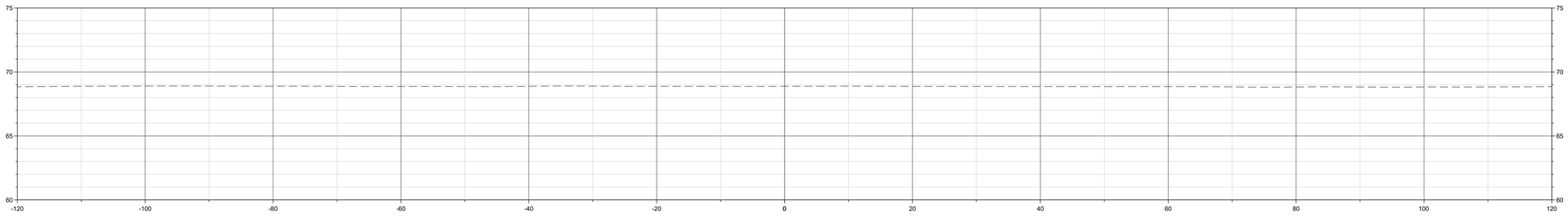
CADD D3-R4

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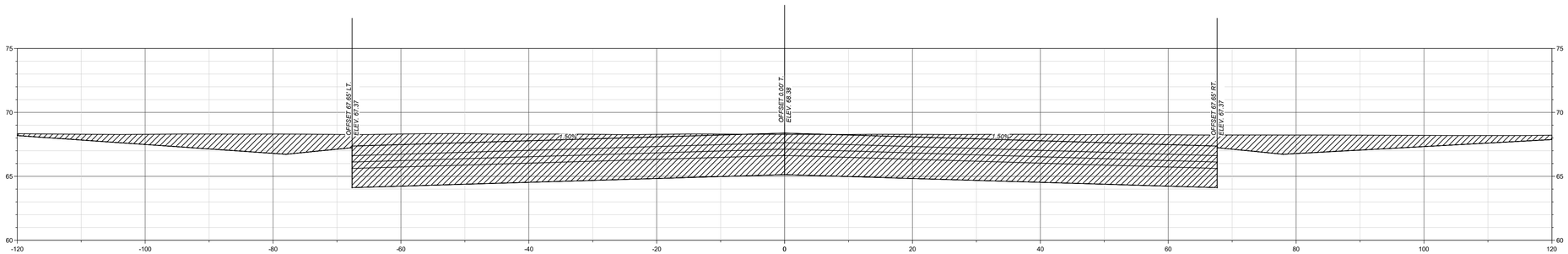
1. ALL WORK ON THIS SHEET IS PHASE I NOT IN CONTRACT.



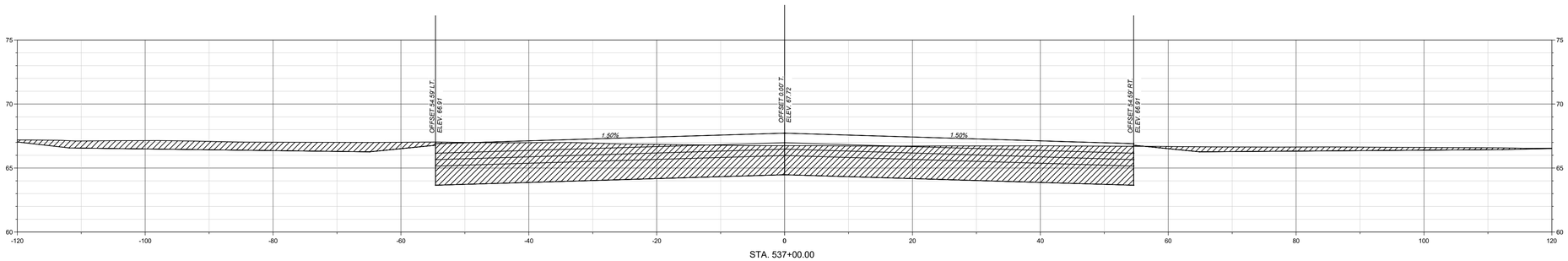
STA. 538+50.00



STA. 538+00.00



STA. 537+50.00



STA. 537+00.00

BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/13/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

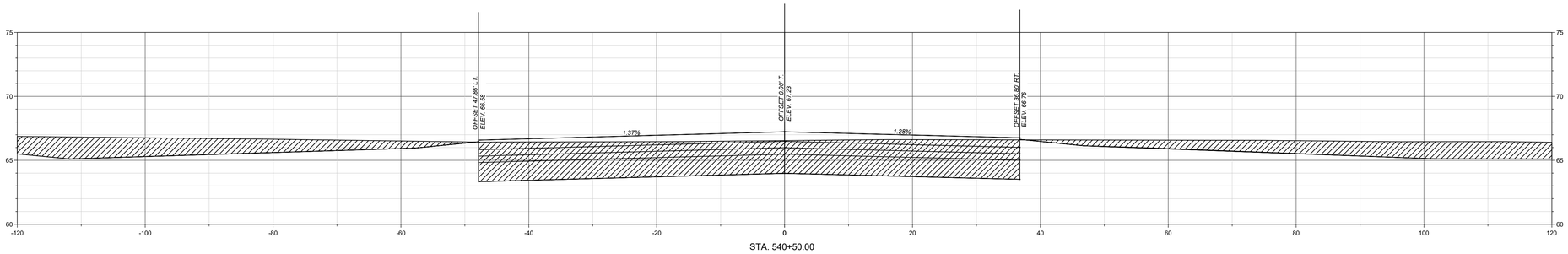
DESIGNED W.T.B.
DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

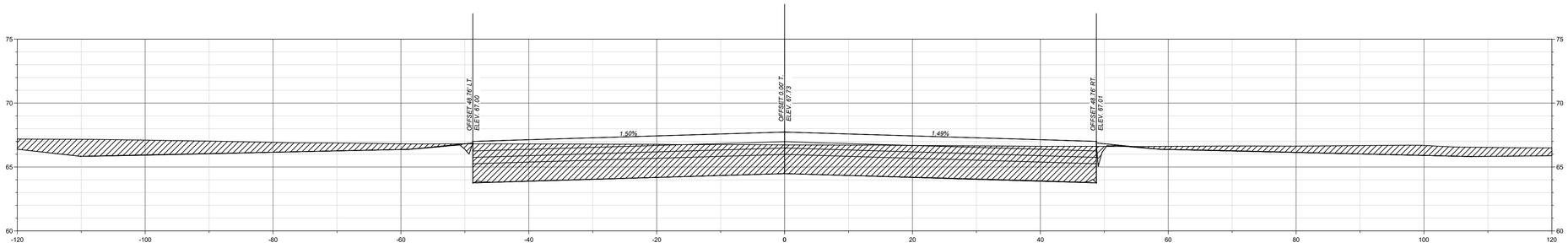
SHEET ID	SHEET NO
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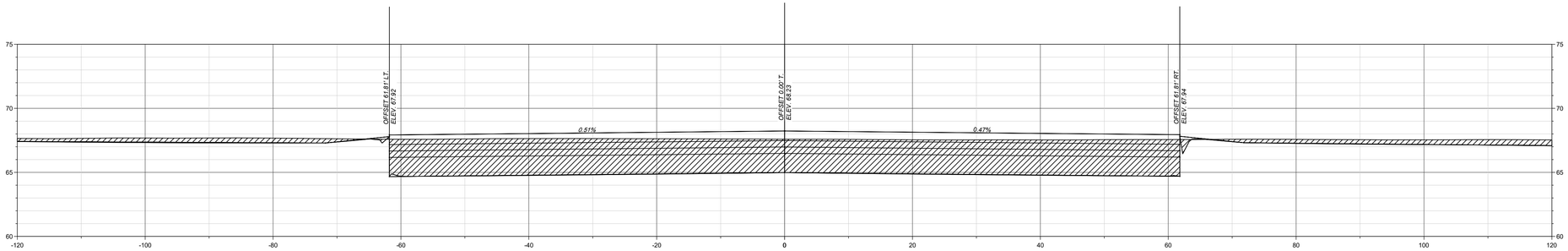
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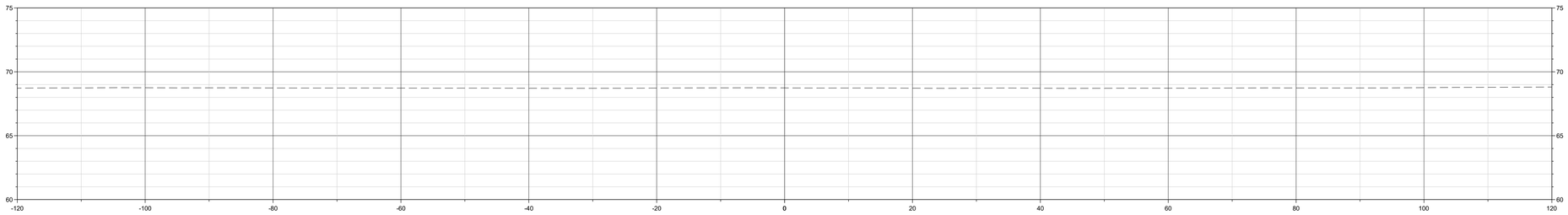
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STA. 540+00.00



STA. 539+50.00



STA. 539+00.00

NOTES:

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CIVIL

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TAXIWAY LIMA EXTENSION

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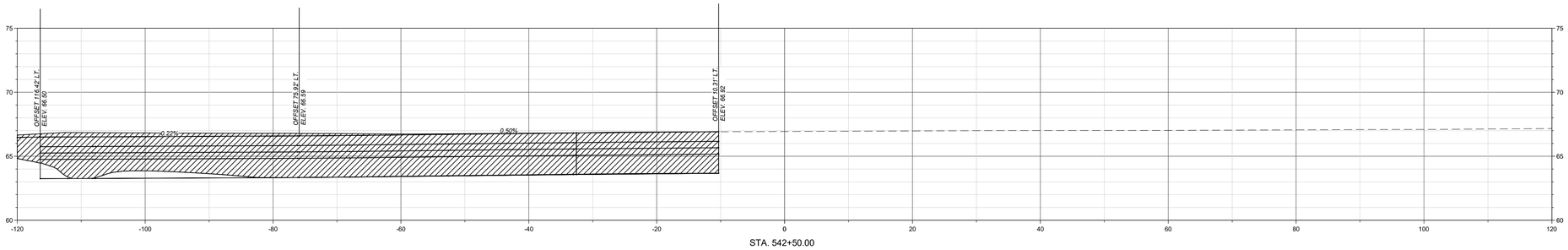
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APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

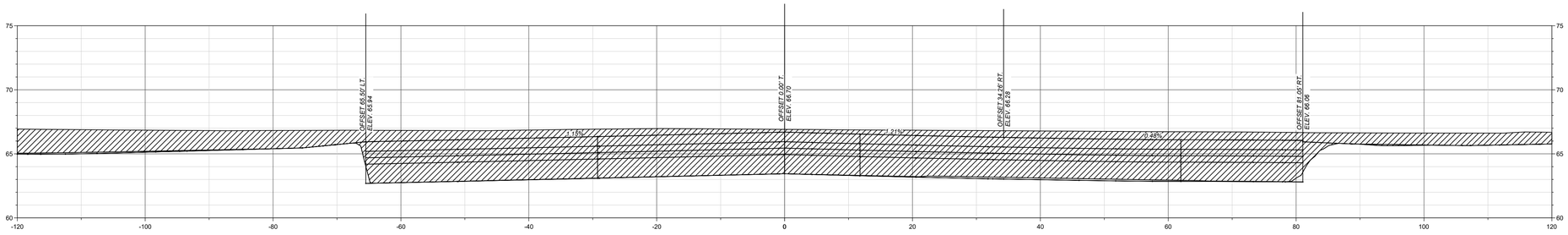
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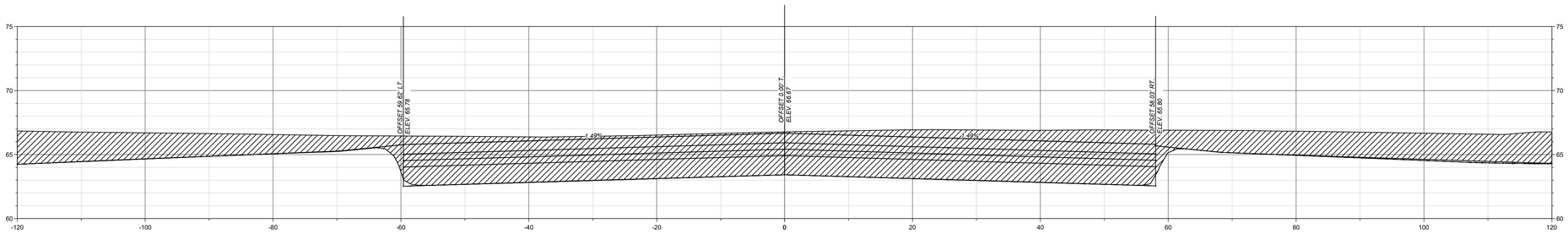
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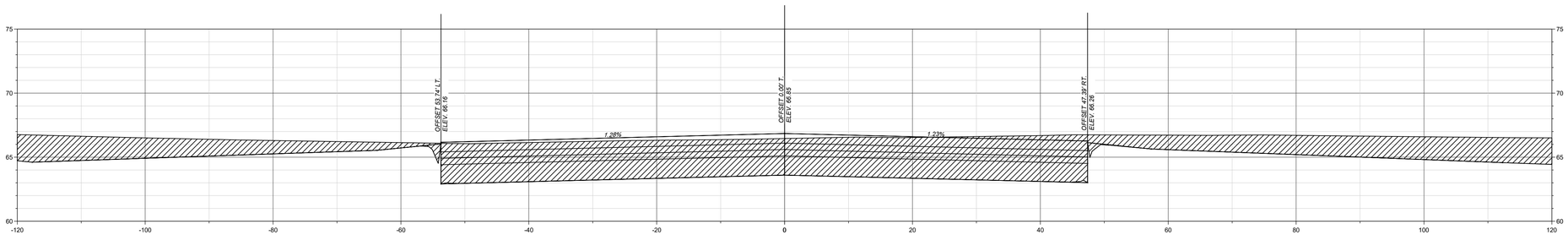
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STA. 542+00.00



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TAXIWAY LIMA EXTENSION

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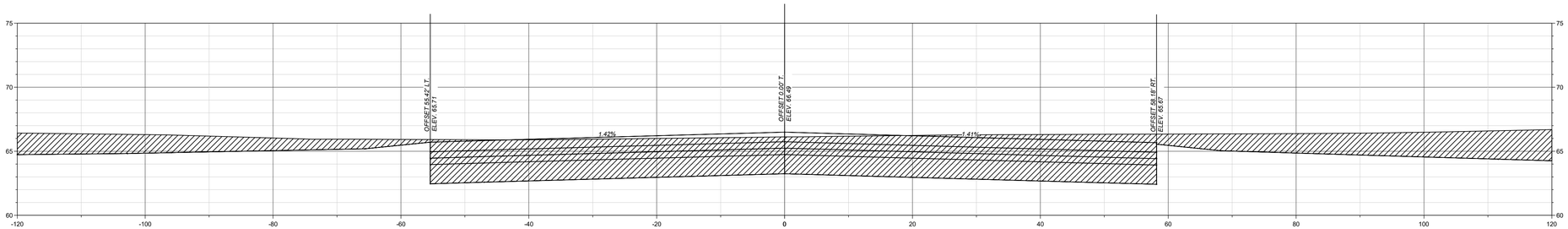
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FINAL PLANS

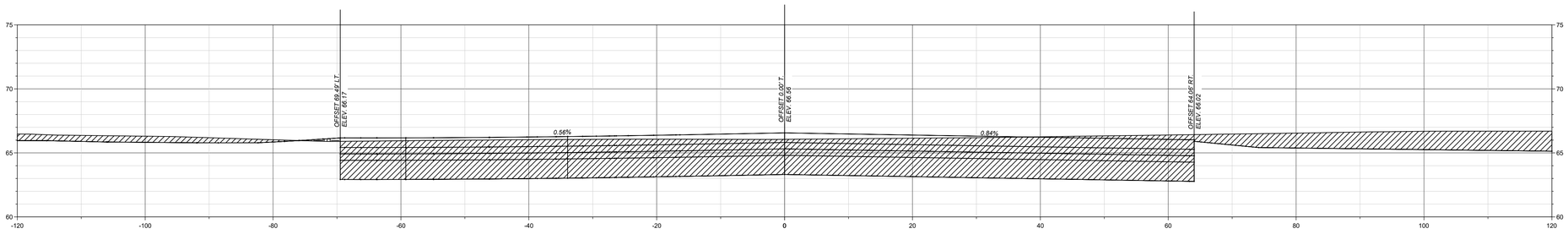
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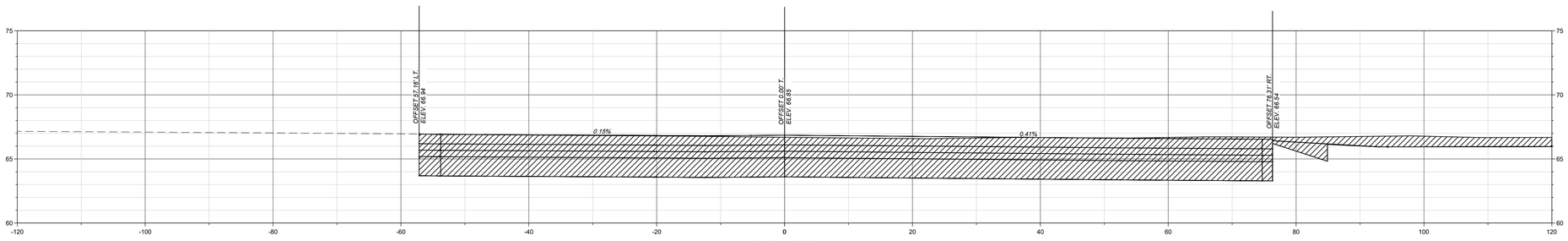
CADD D3-R4



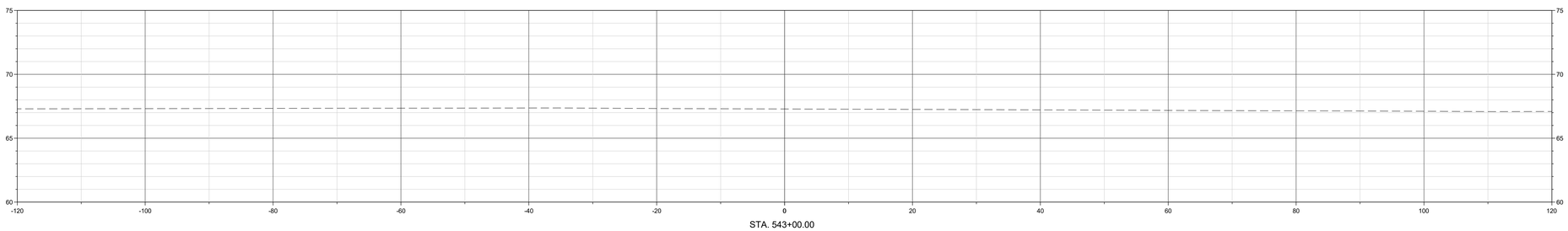
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STA. 544+00.00



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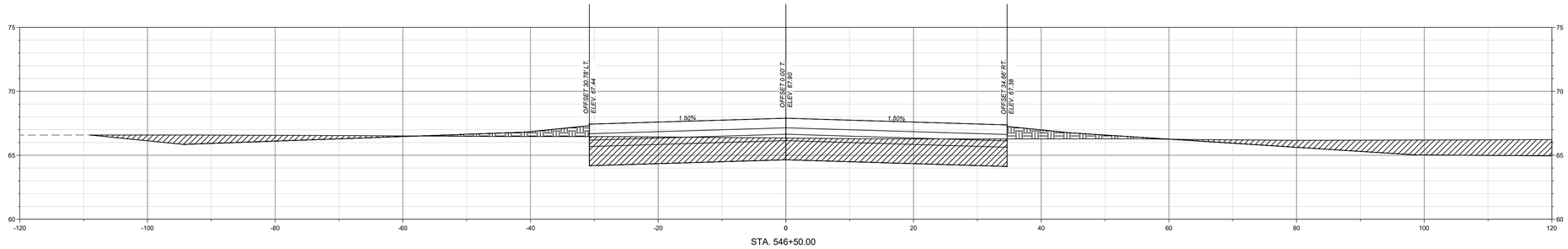
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FINAL PLANS

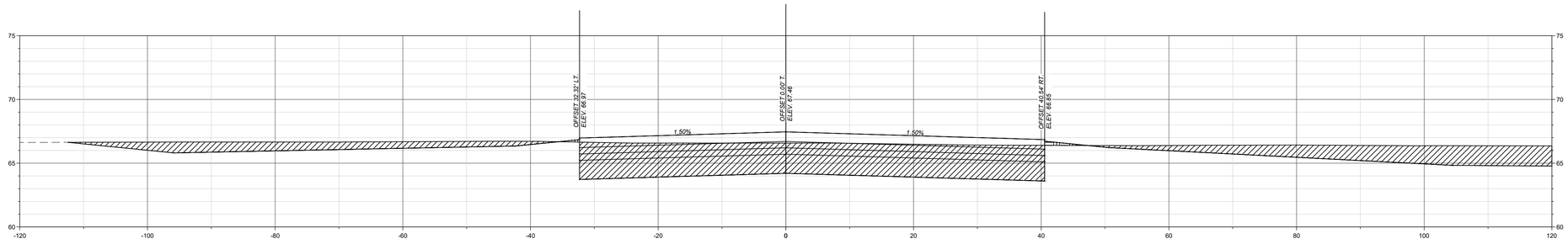
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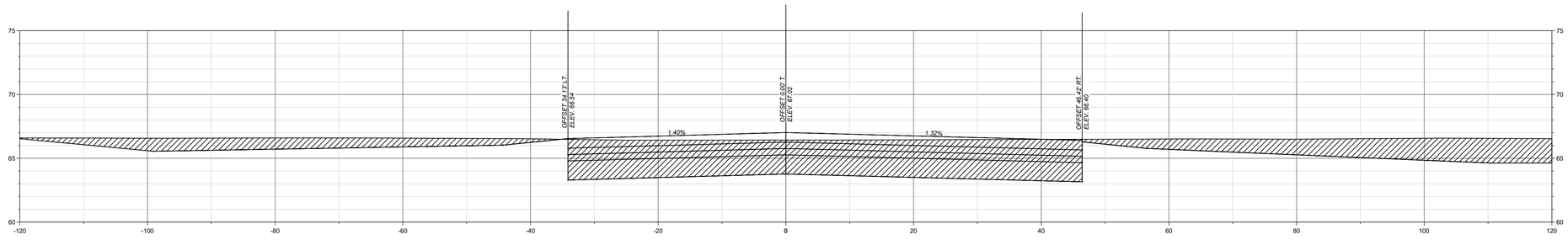
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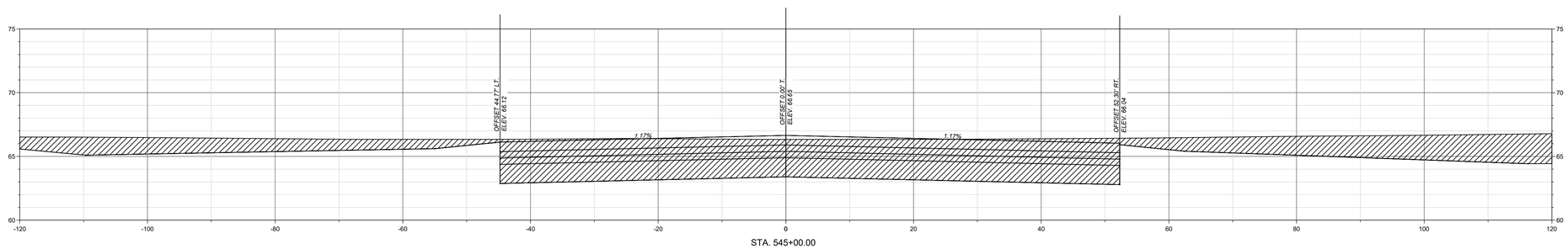
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STA. 545+00.00

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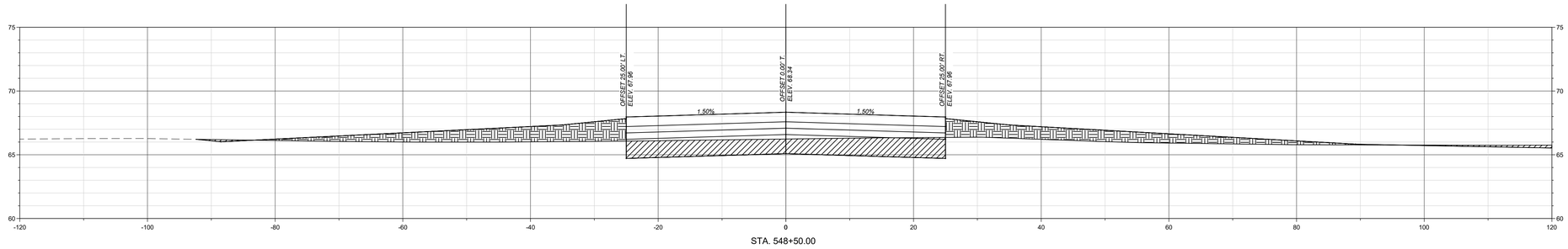
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FINAL PLANS

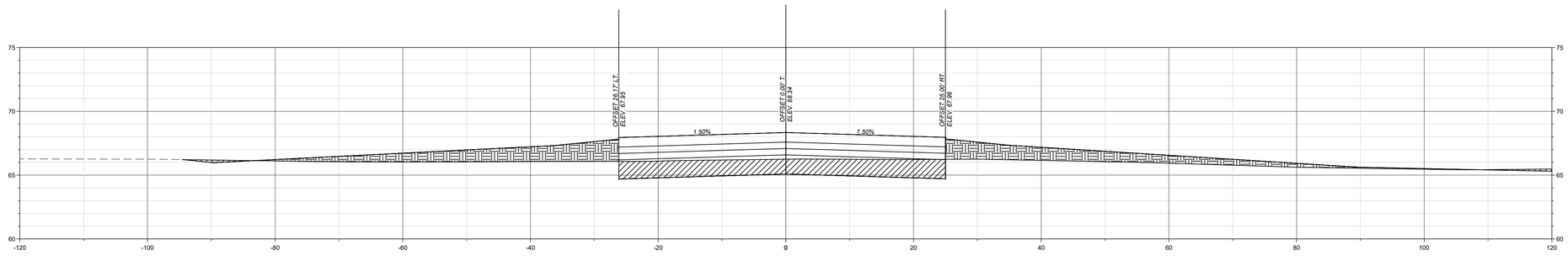
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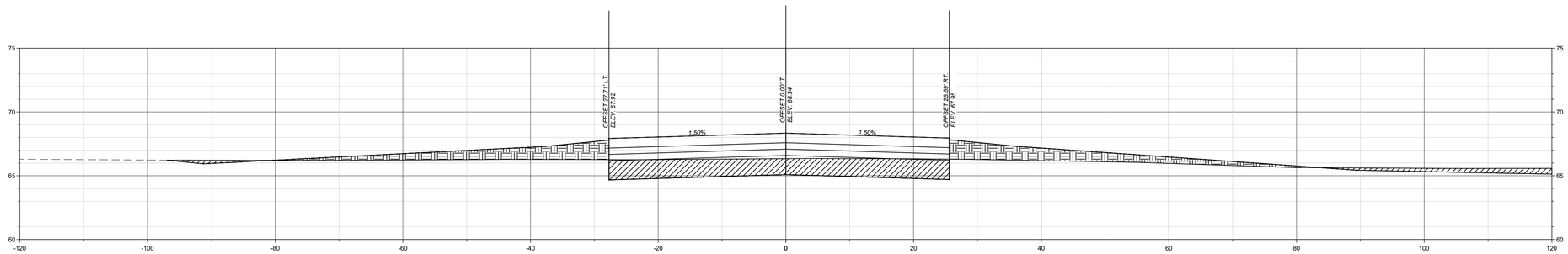
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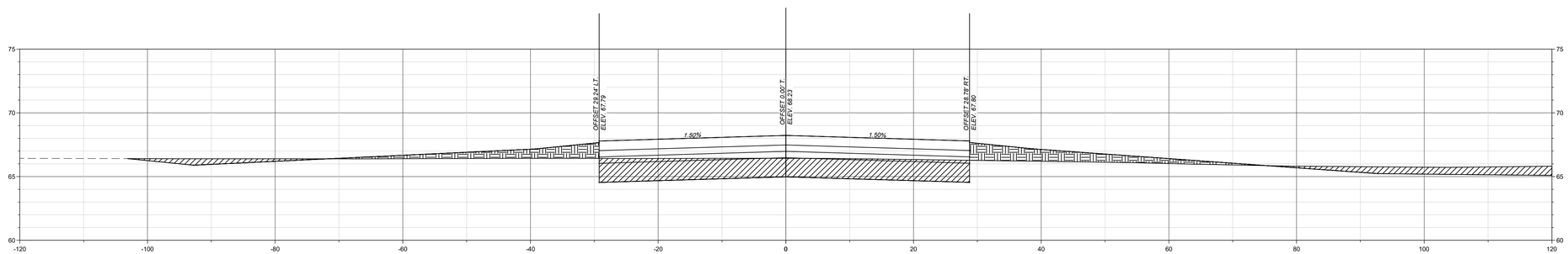
STA. 548+50.00



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STATE OF LOUISIANA
BLAKE S. ROUSSEL
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6/19/25

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TAXIWAY LIMA EXTENSION

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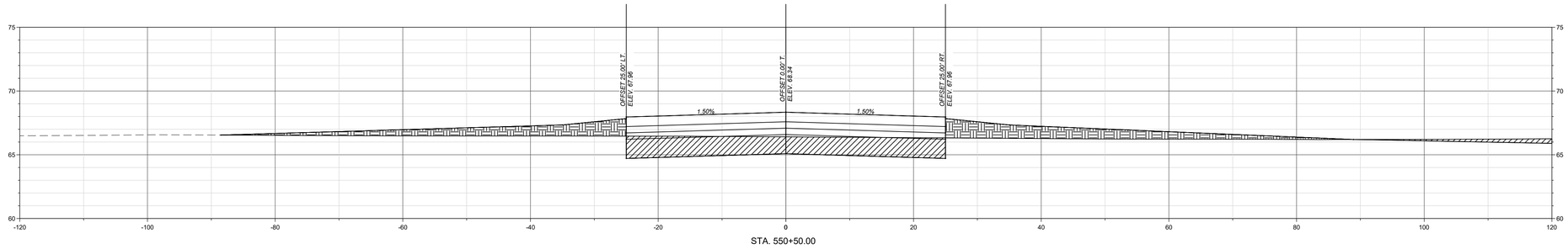
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APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

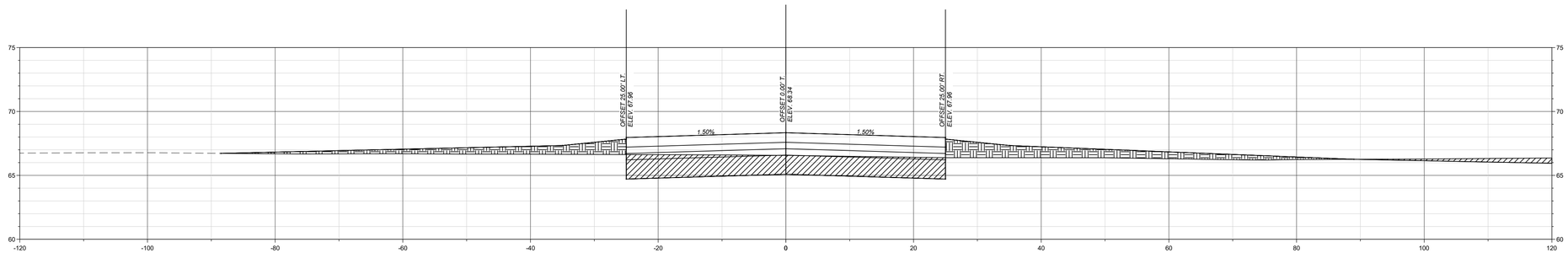
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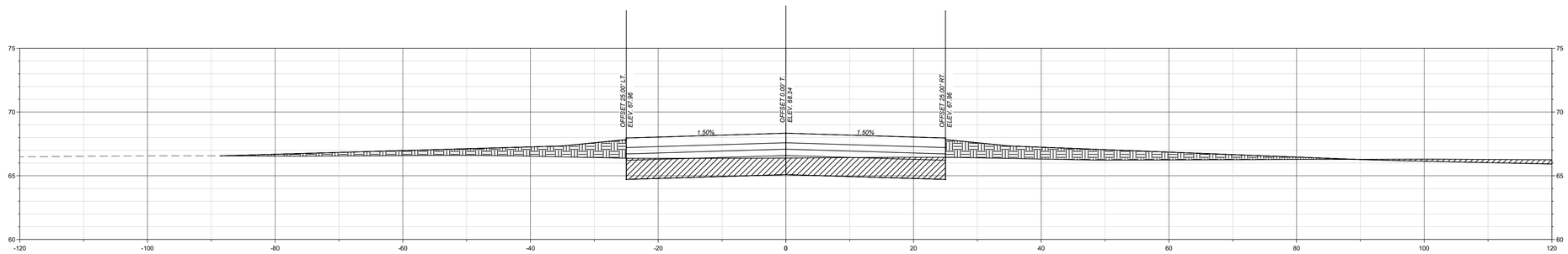
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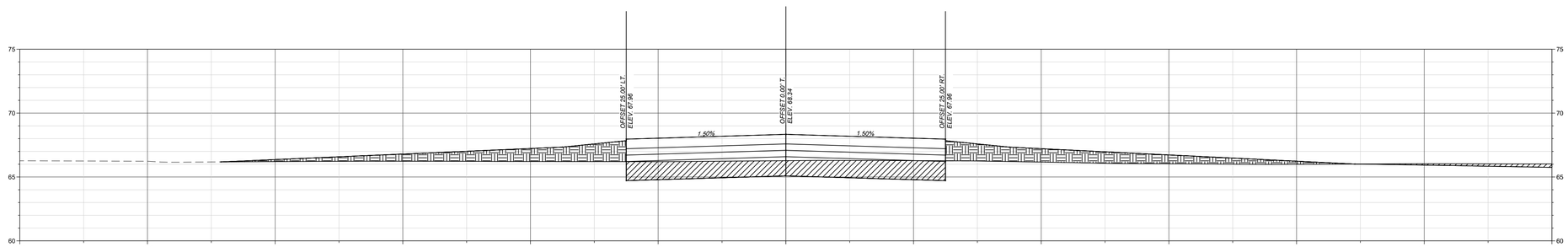
STA. 550+50.00



STA. 550+00.00



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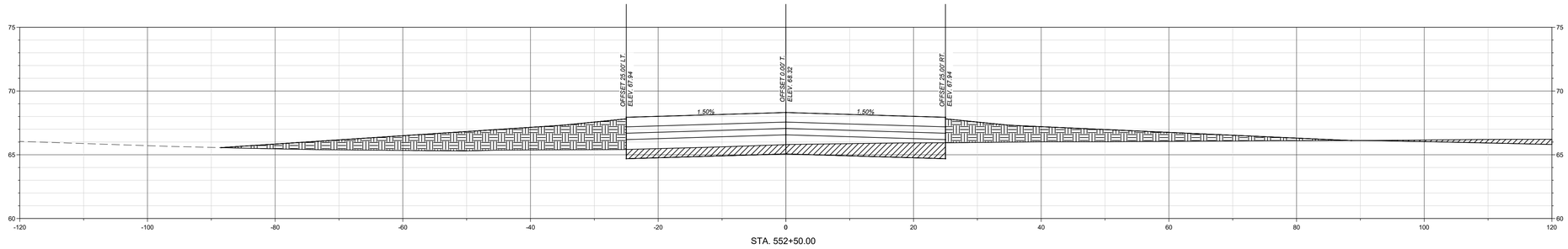
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FINAL PLANS

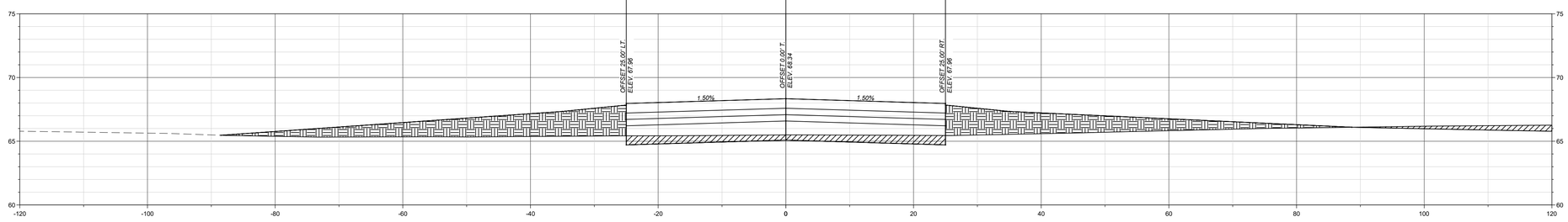
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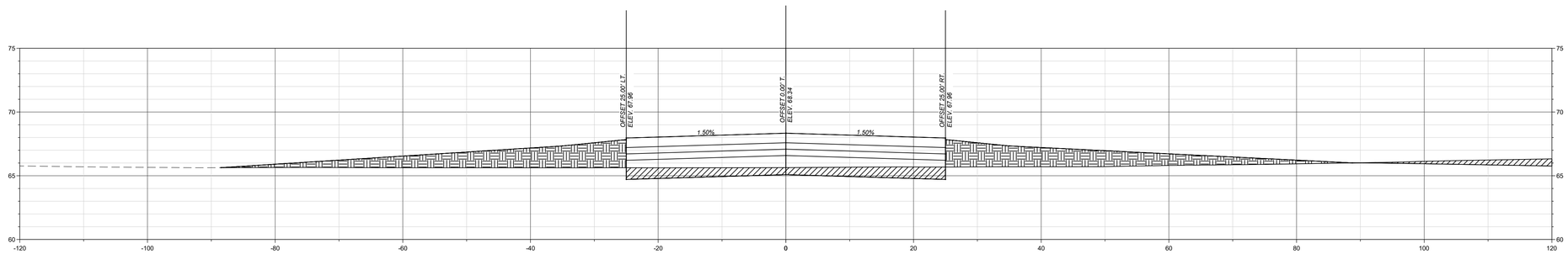
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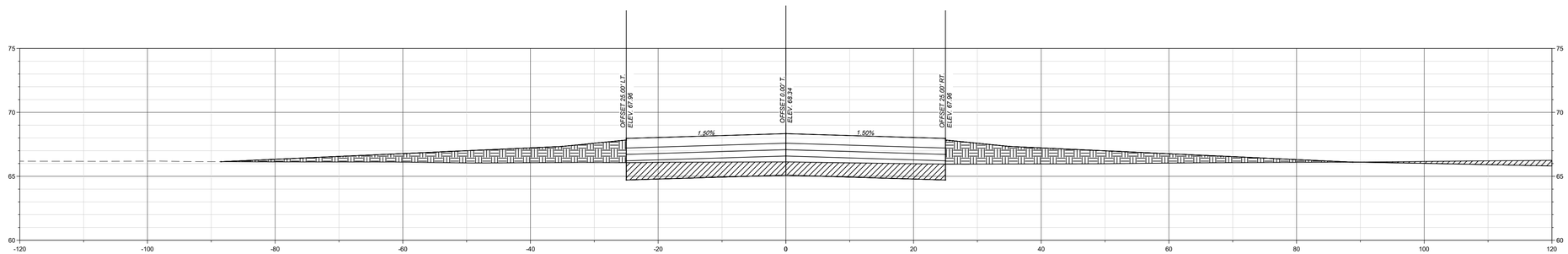
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STATE OF LOUISIANA
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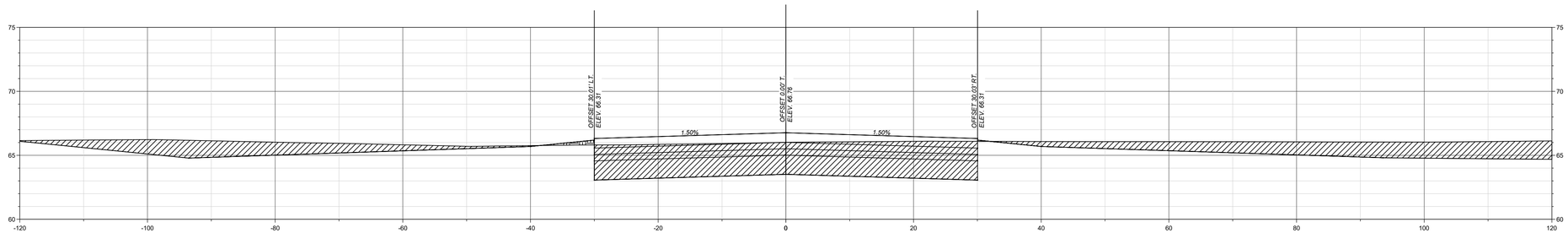
CIVIL GRADING CROSS SECTIONS

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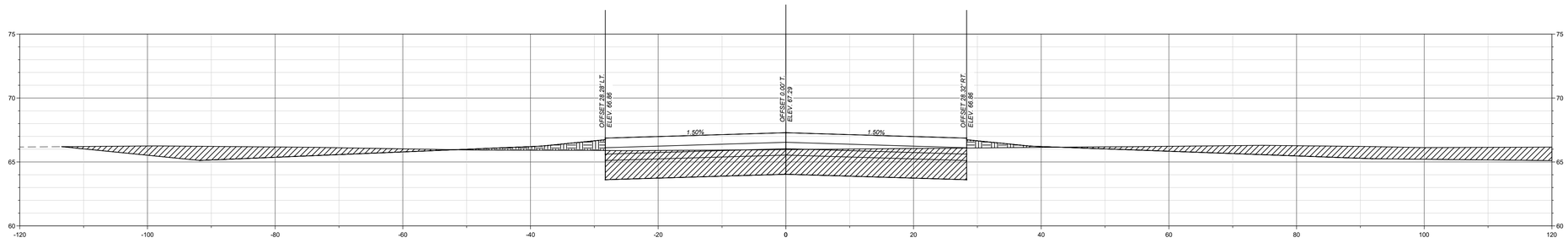
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FINAL PLANS

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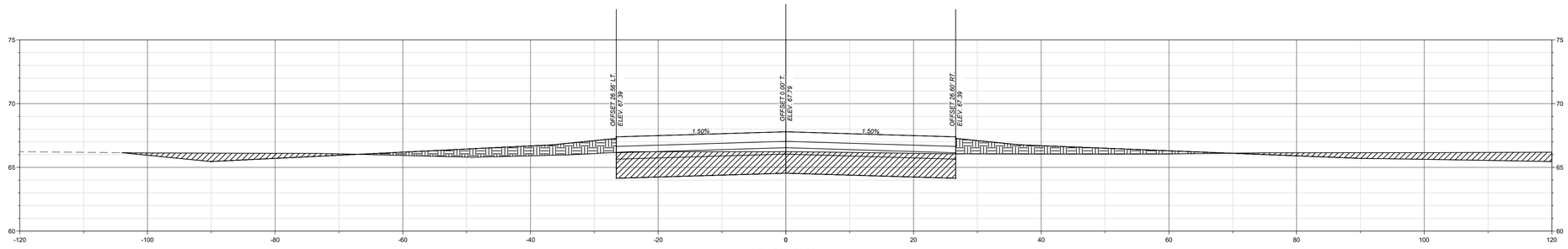
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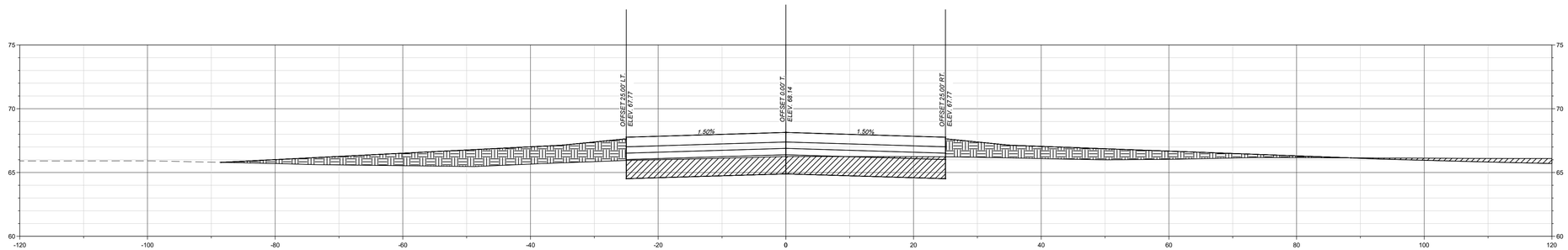
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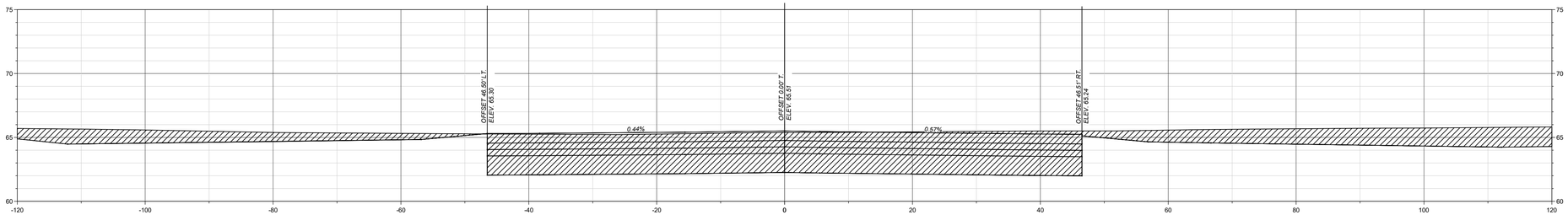
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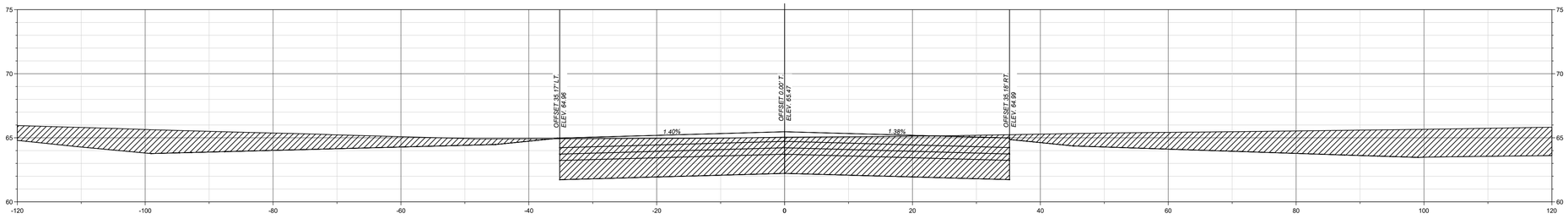
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FINAL PLANS

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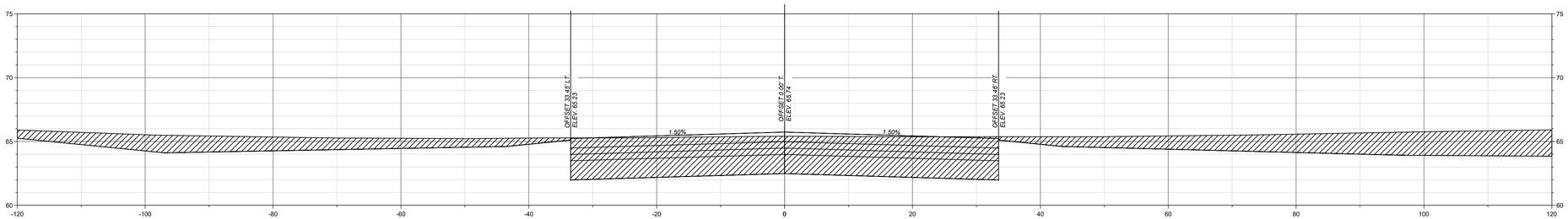
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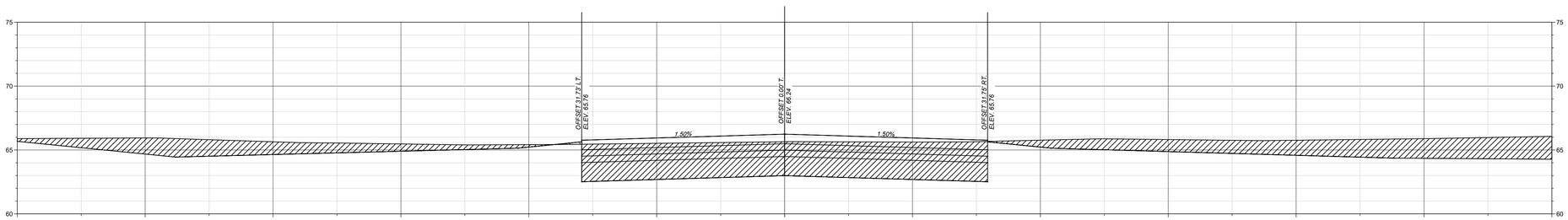
STA. 556+50.00



STA. 556+00.00



STA. 555+50.00



STA. 555+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

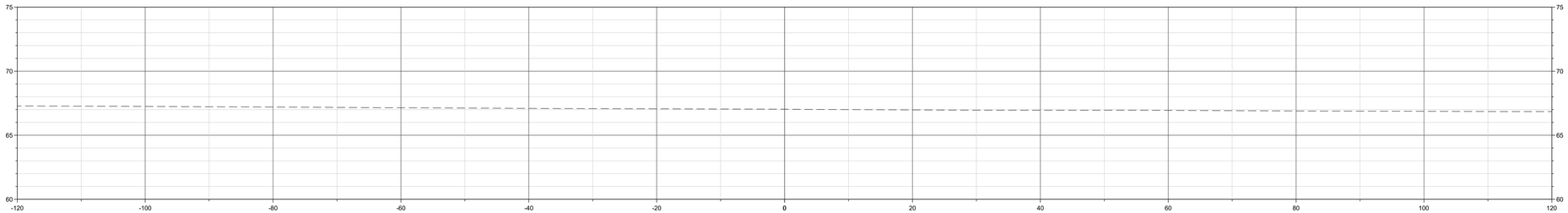
DESIGNED W.T.B.
DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

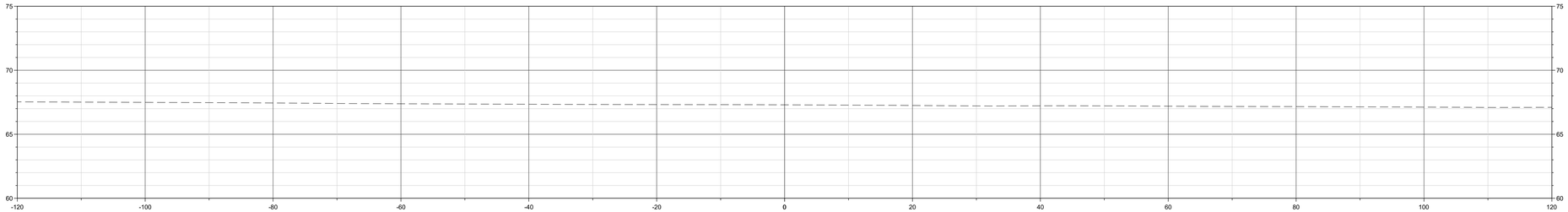
SHEET ID	SHEET NO
CG317	110

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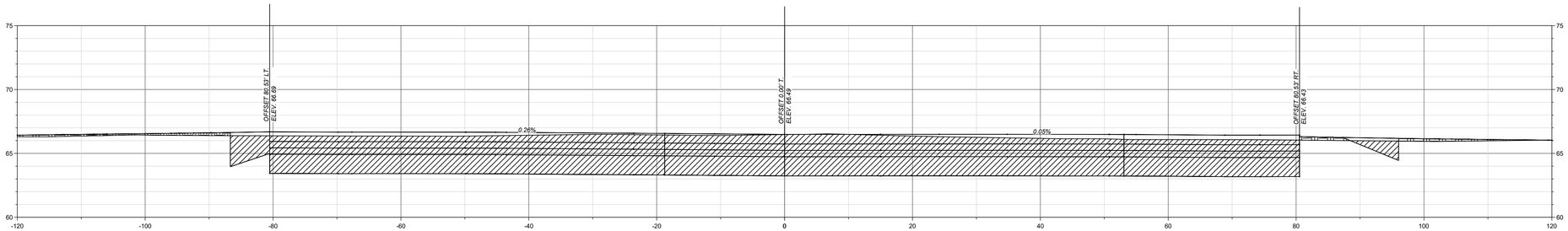
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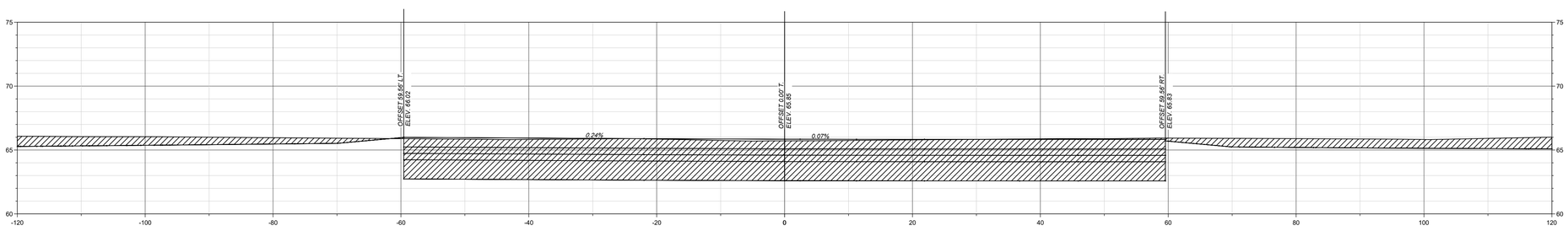
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STA. 558+00.00



STA. 557+50.00



STA. 557+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

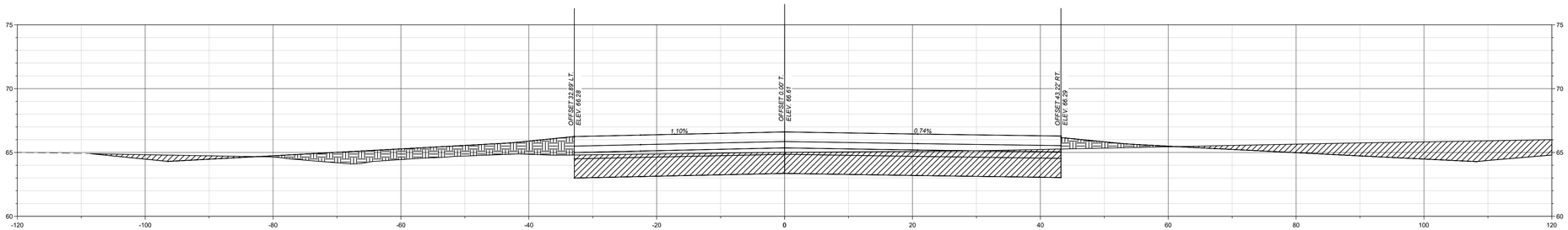
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APPROVED N/A
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DATE 6/19/2025

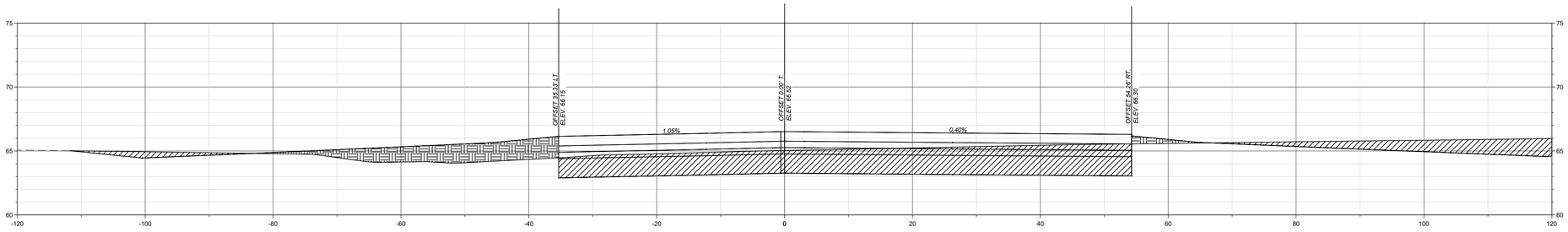
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SCI PROJECT NO: 30757.02.00
FINAL PLANS

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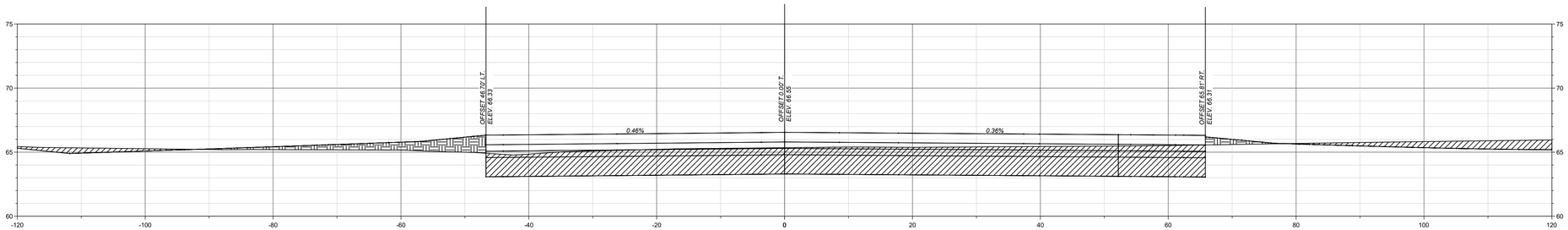
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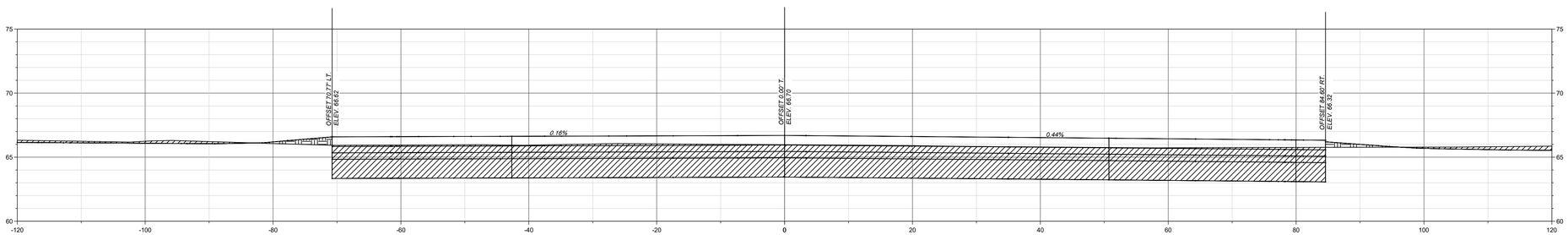
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STA. 560+00.00



STA. 559+50.00



STA. 559+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

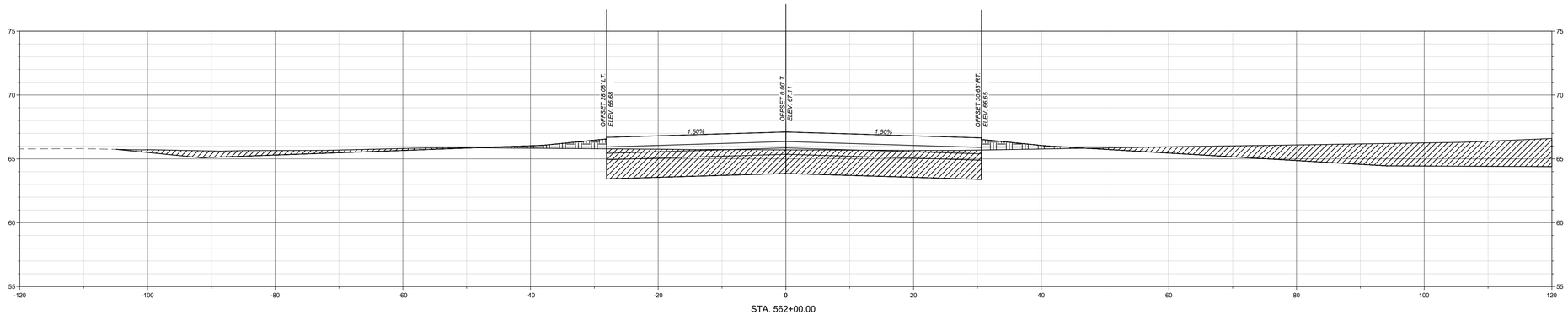
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APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

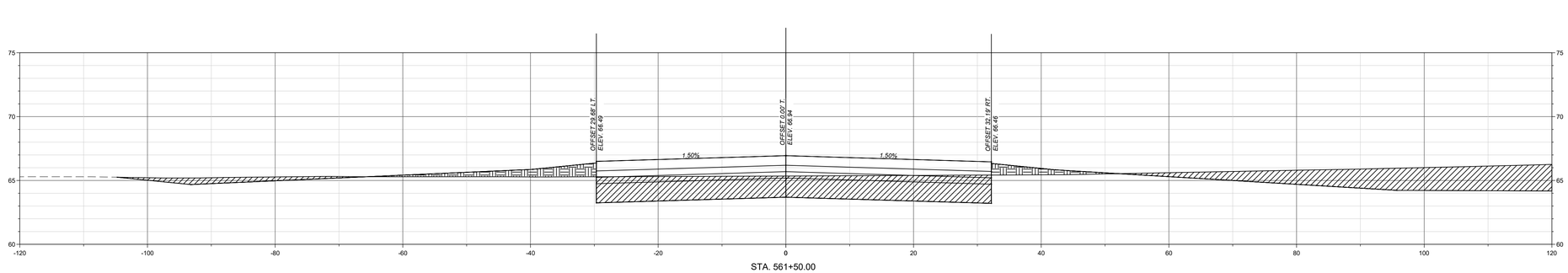
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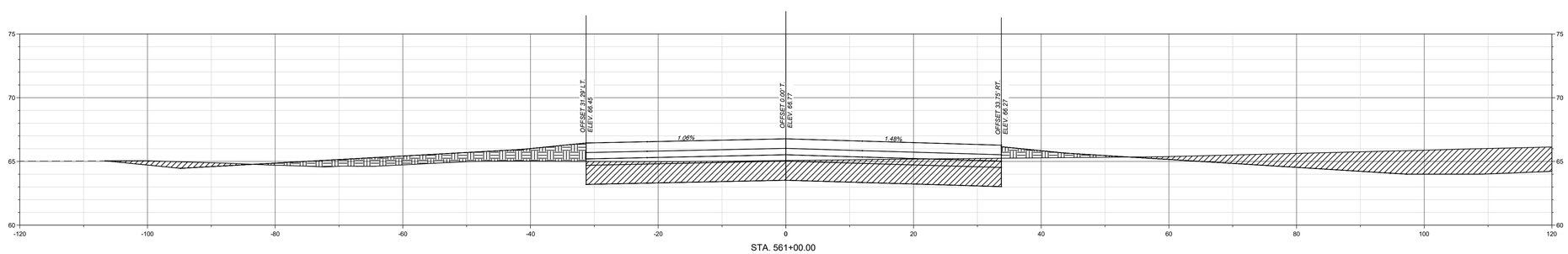
CADD D3-R4



STA. 562+00.00



STA. 561+50.00



STA. 561+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/13/25

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

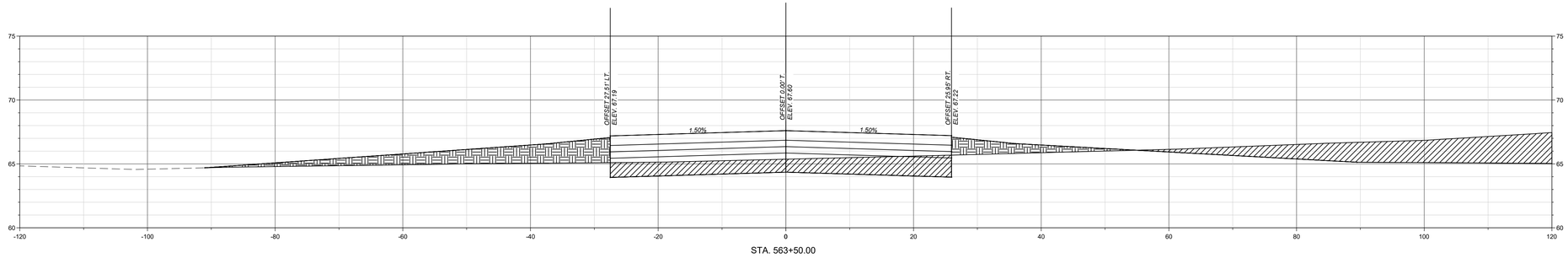
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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

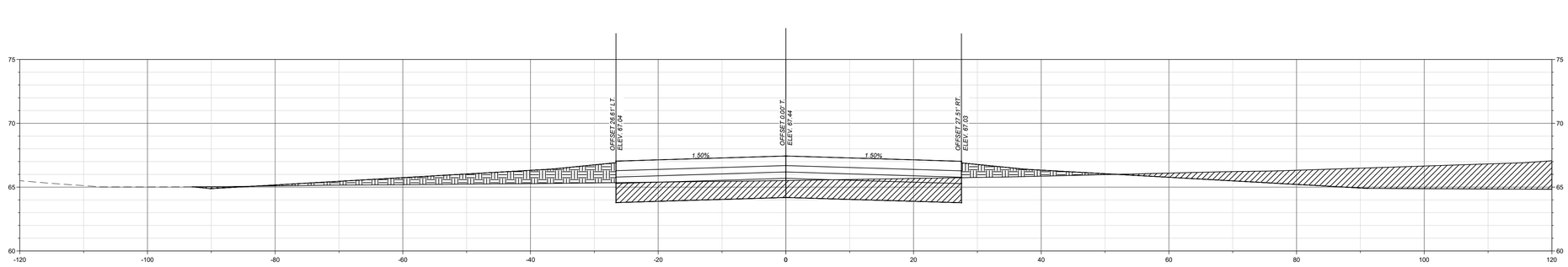
SHEET ID	SHEET NO
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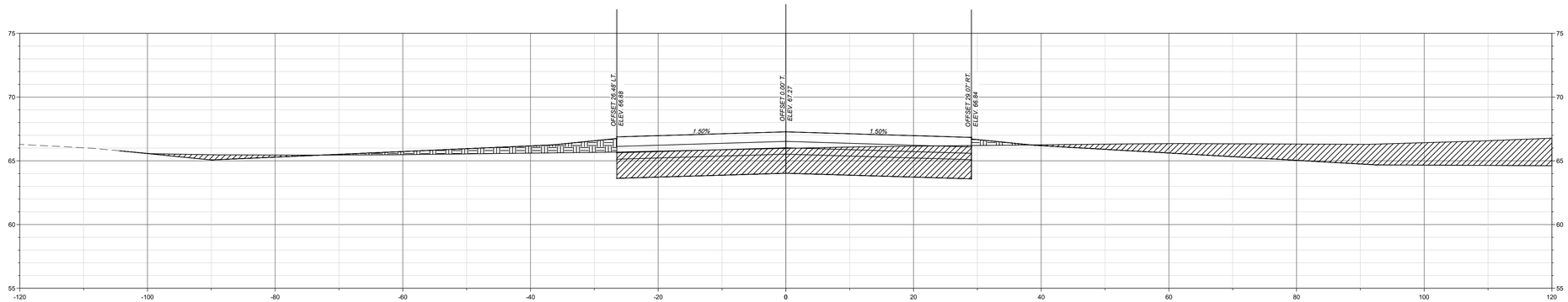
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STA. 563+50.00



STA. 563+00.00



STA. 562+50.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
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PROFESSIONAL ENGINEER
IN

Blake S. Roussel
6/19/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

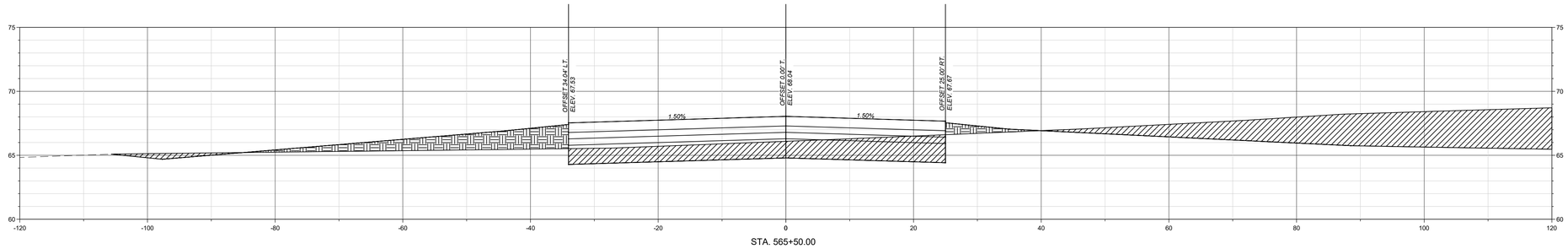
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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

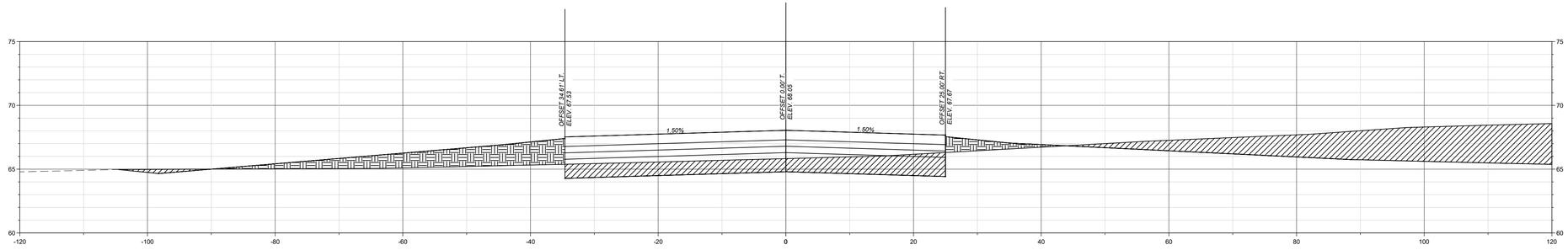
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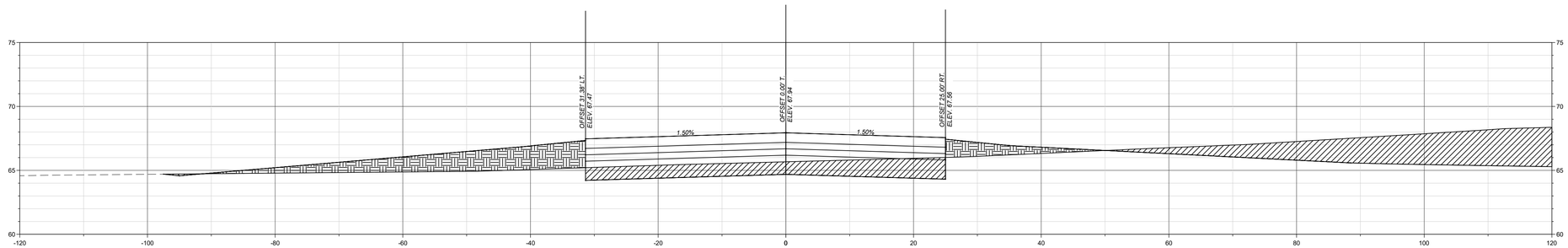
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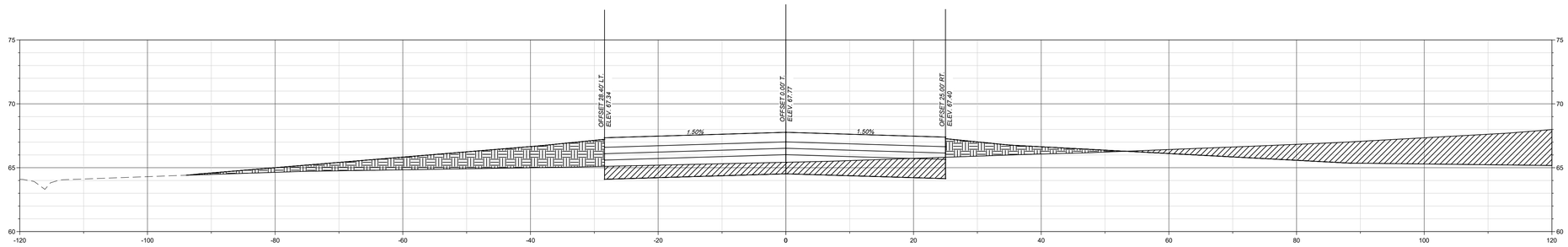
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STA. 565+00.00



STA. 564+50.00



STA. 564+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
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Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

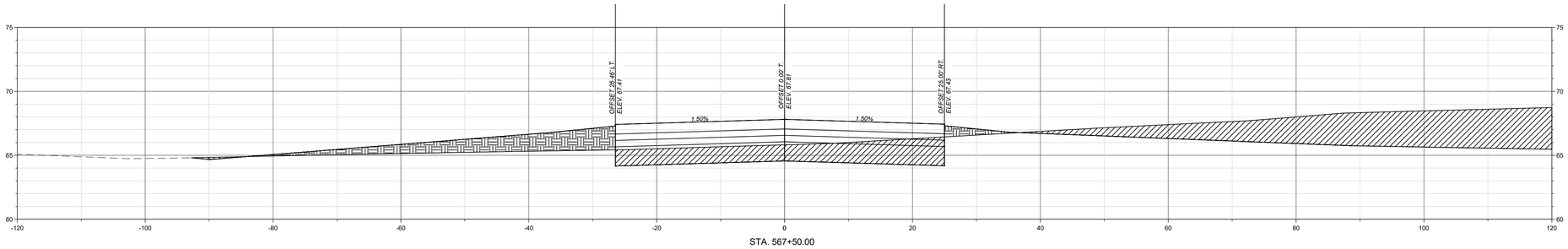
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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

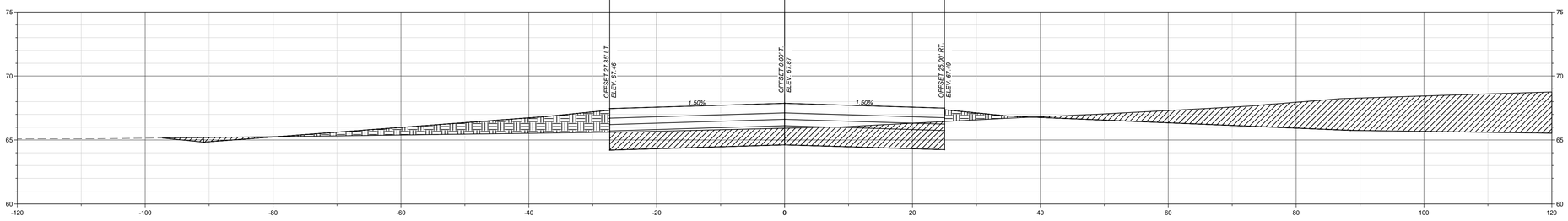
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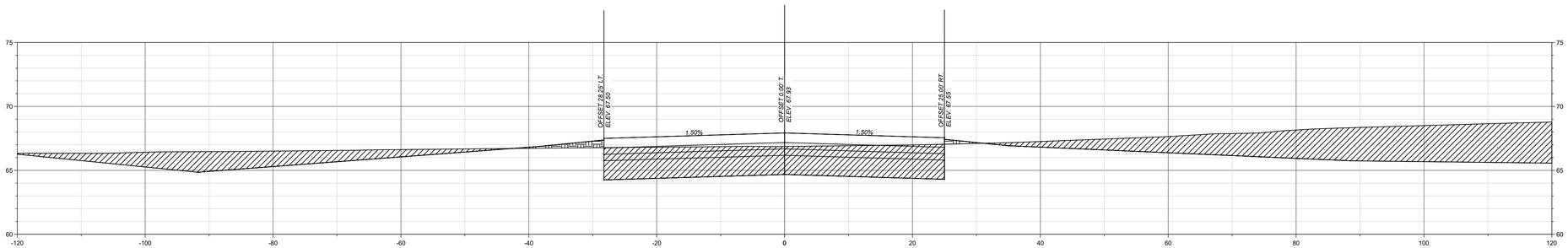
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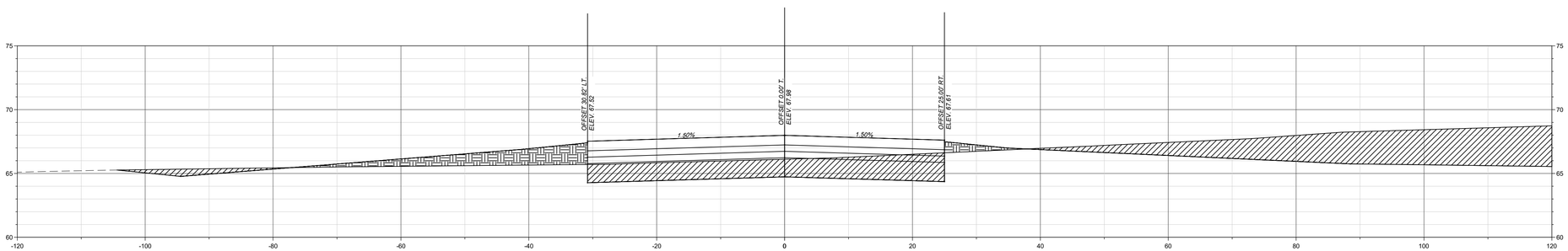
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STA. 567+00.00



STA. 566+50.00



STA. 566+00.00

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL
Blake S. Roussel
6/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

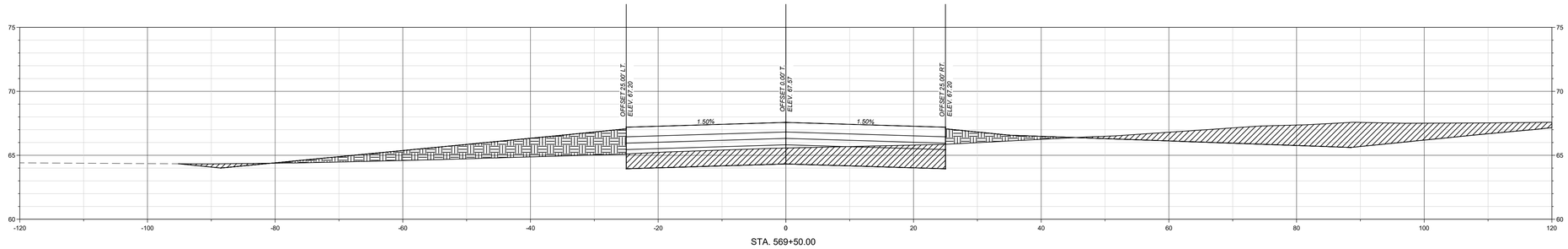
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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1"=10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

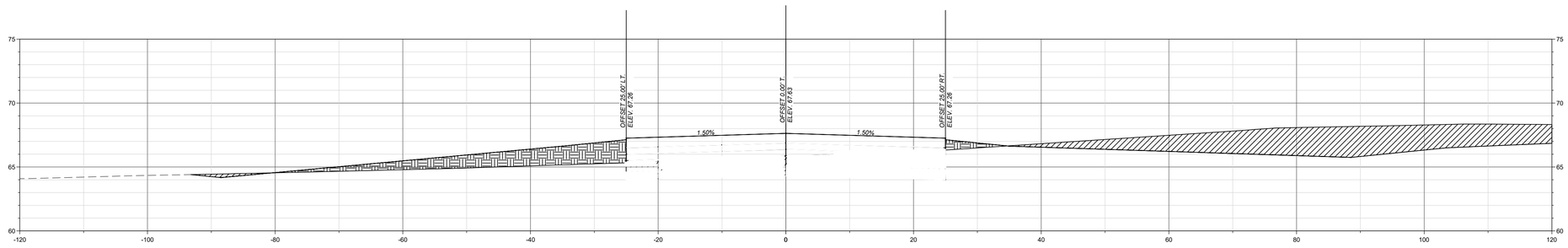
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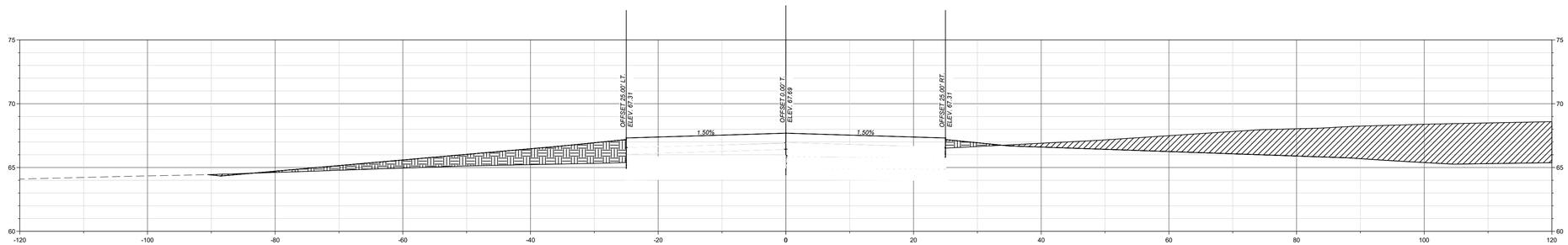
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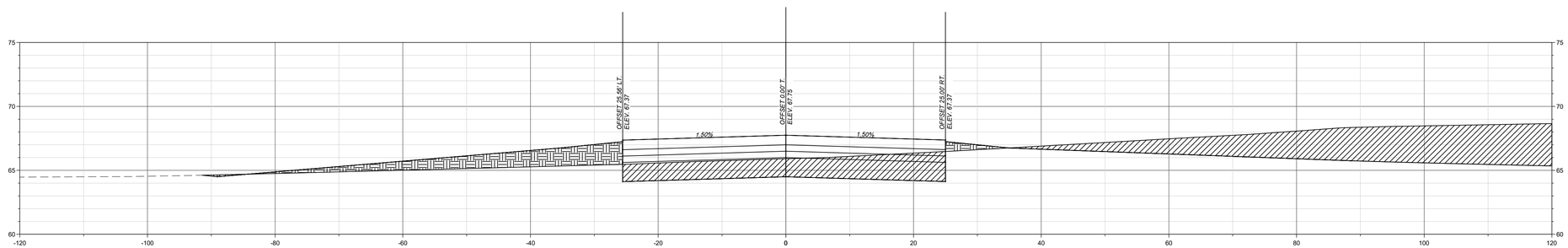
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STA. 569+00.00



STA. 568+50.00



STA. 568+00.00

NOTES:

1. SEE REVISED PAVEMENT SECTIONS ON SHEET CSB3D. SECTIONS APPLY STA 568+40 TO STA 569+40.

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
4/23/25

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

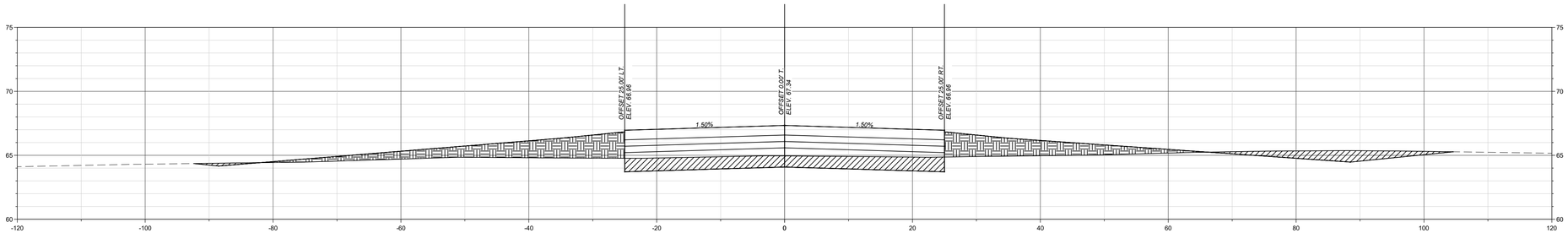
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DRAWN M.C.B.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

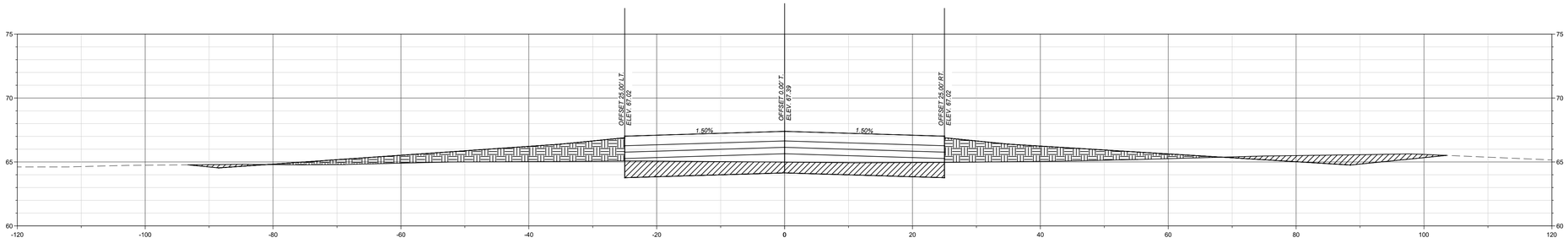
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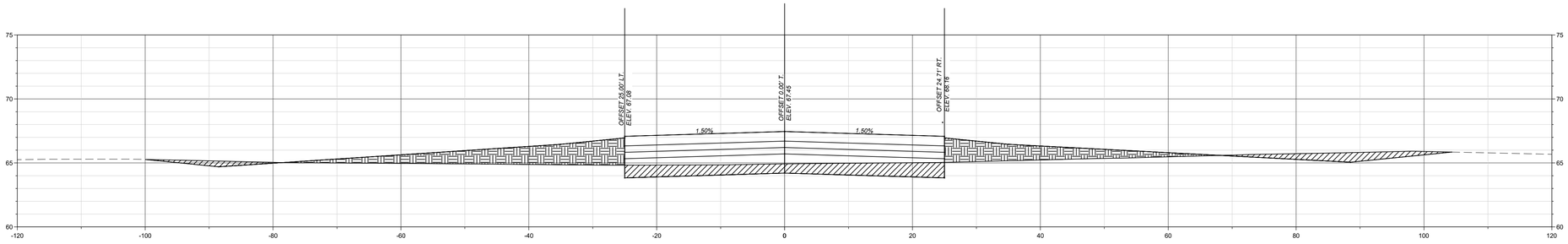
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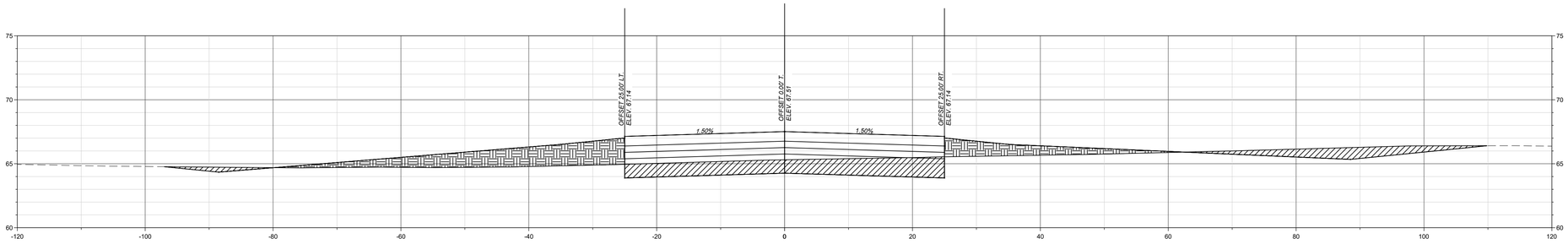
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STA. 571+00.00



STA. 570+50.00



STA. 570+00.00



NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

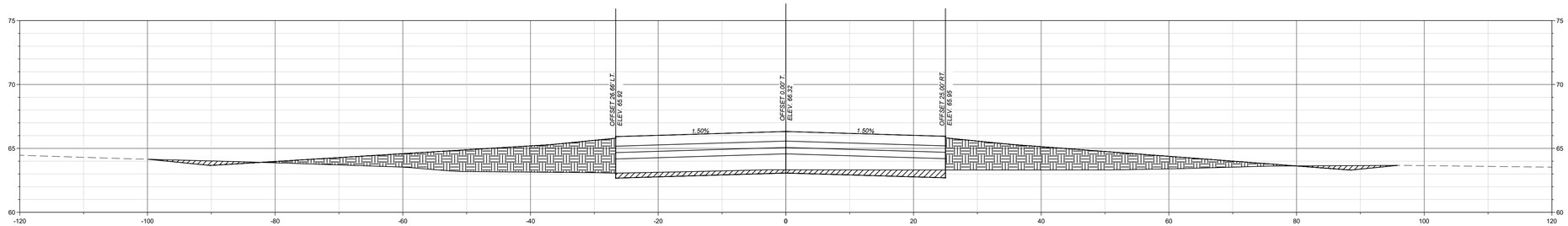
CIVIL GRADING CROSS SECTIONS

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CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

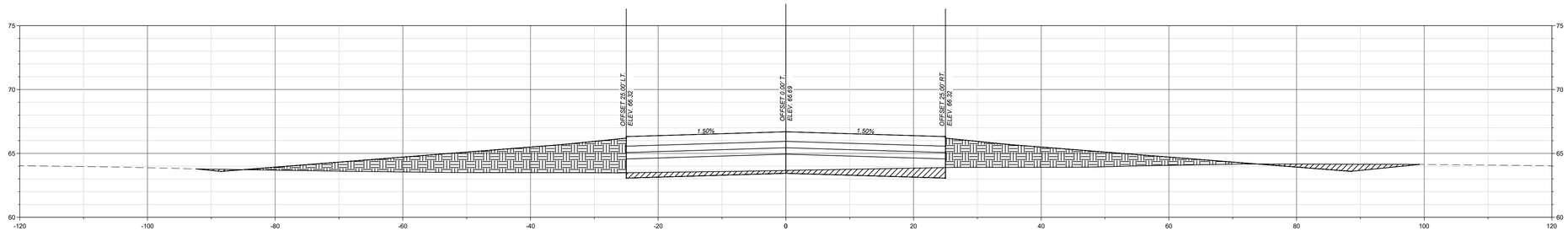
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FINAL PLANS

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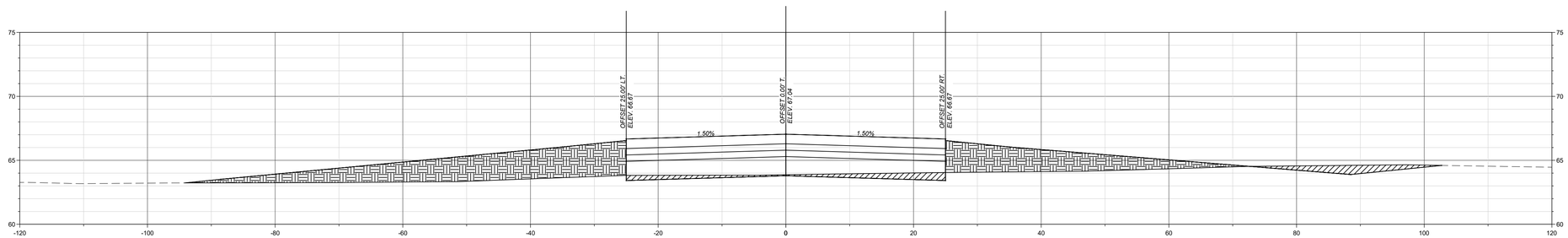
CADD D3-R4
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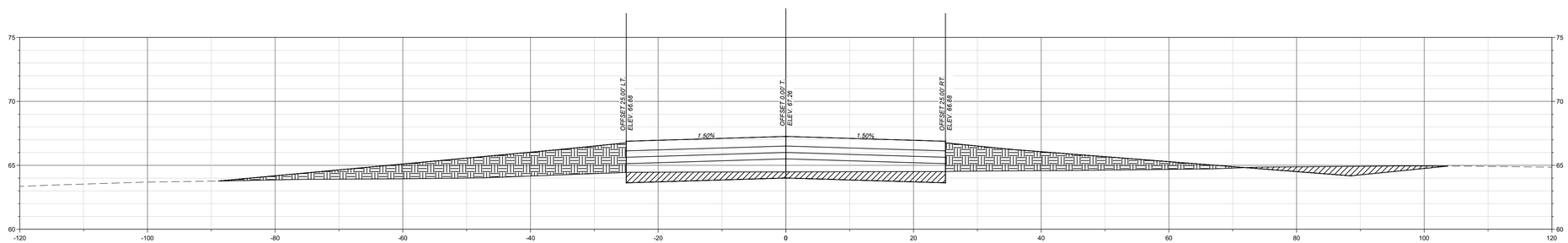
STA. 573+50.00



STA. 573+00.00



STA. 572+50.00



STA. 572+00.00



NO.	REVISIONS	DSGN	CHKD	APVD	DATE

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

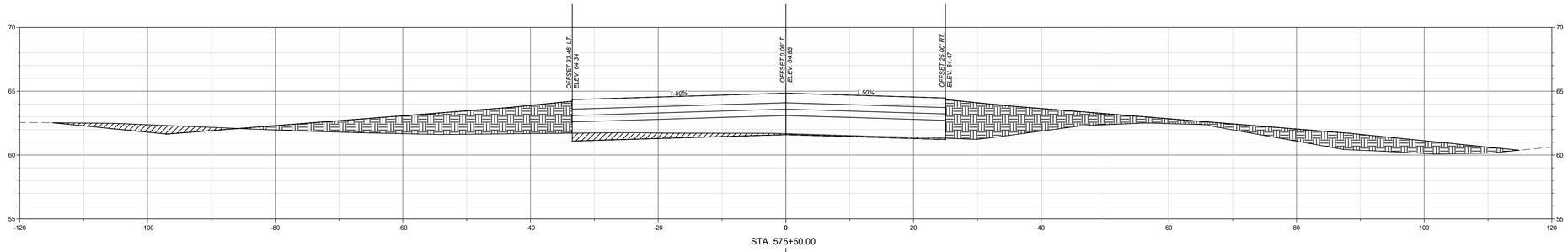
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DRAWN M.C.B.
CHECKED B.S.R.
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APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

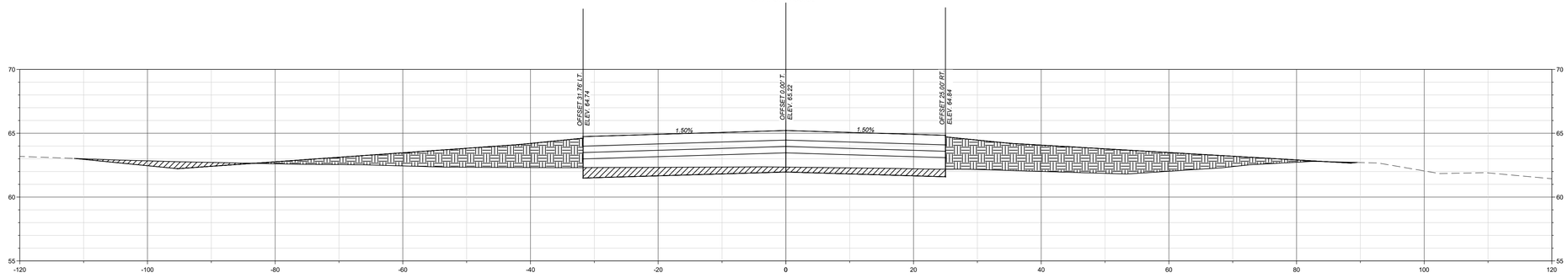
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CG326	119

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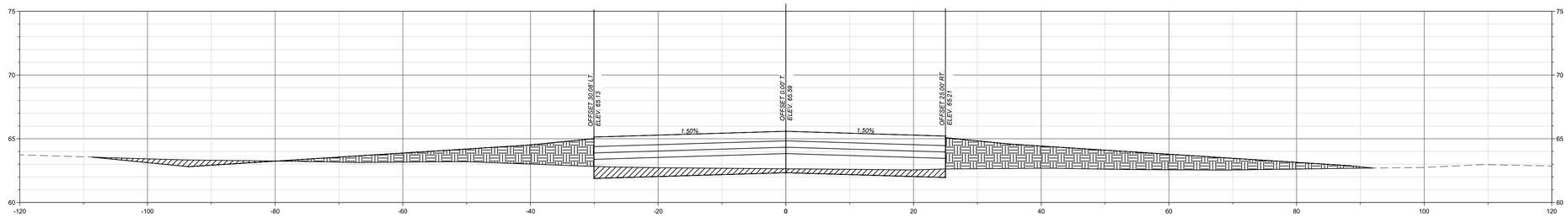
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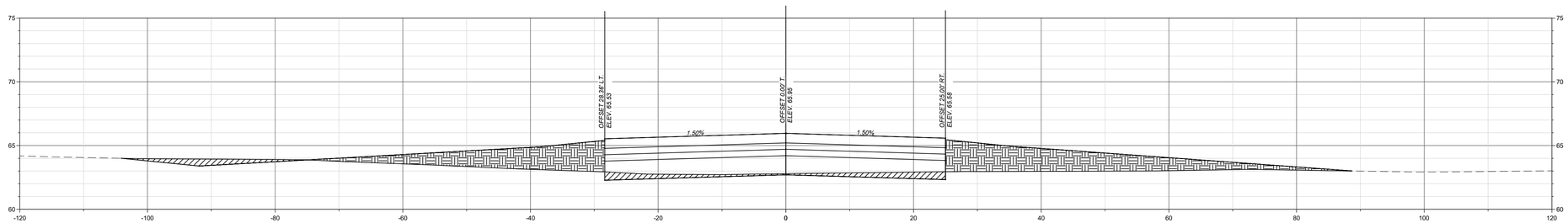
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License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
6/23/25

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TAXIWAY LIMA EXTENSION

CIVIL GRADING CROSS SECTIONS

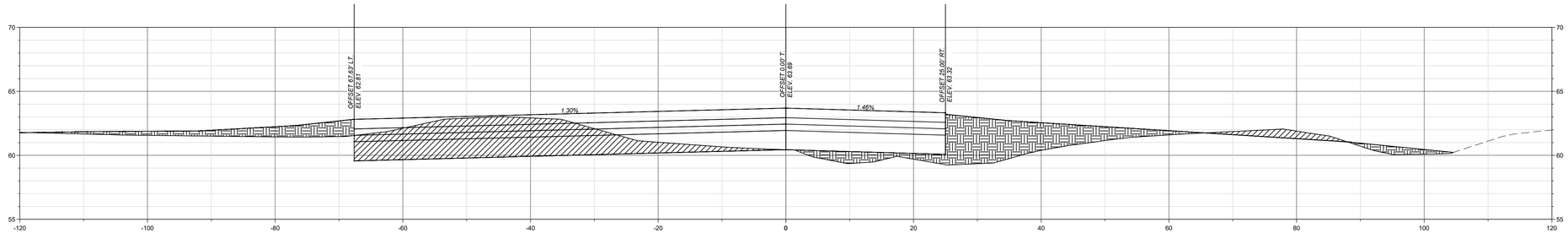
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CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 10'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

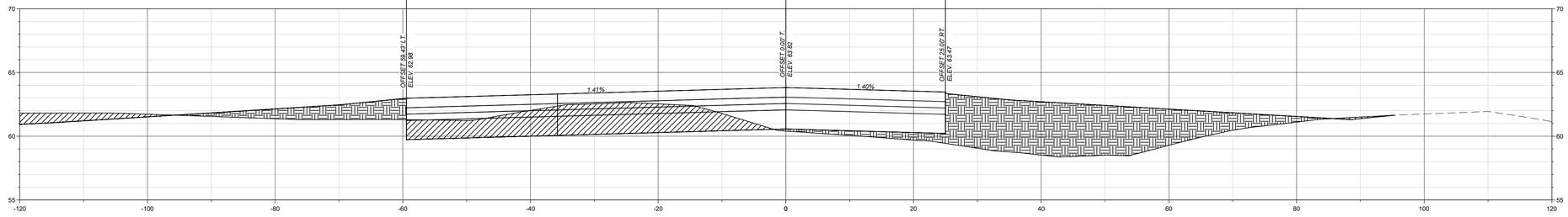
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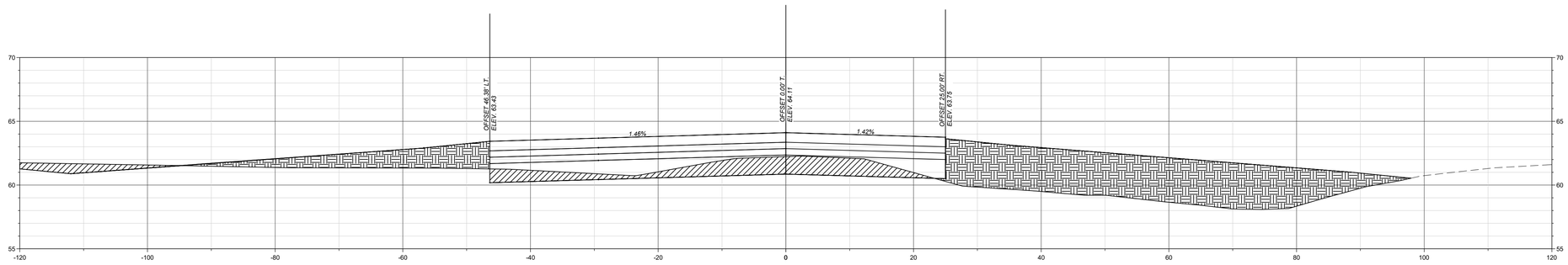
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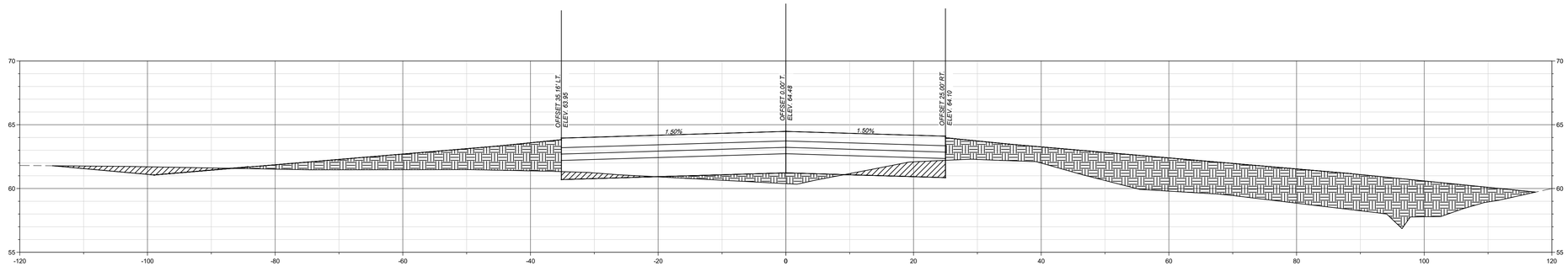
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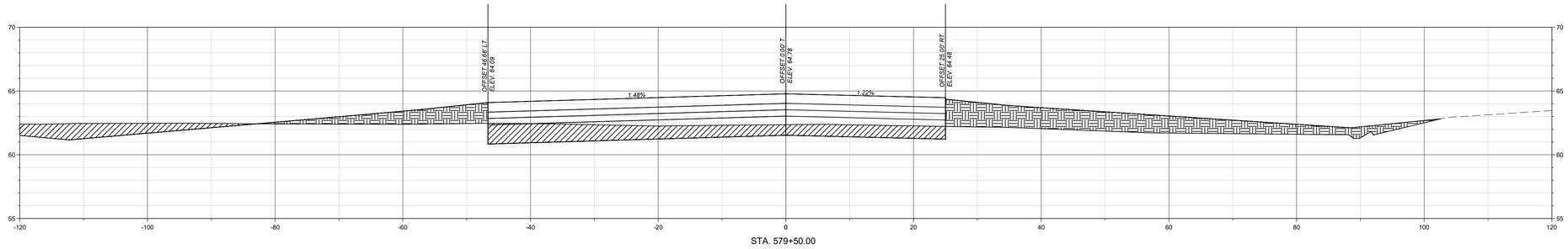
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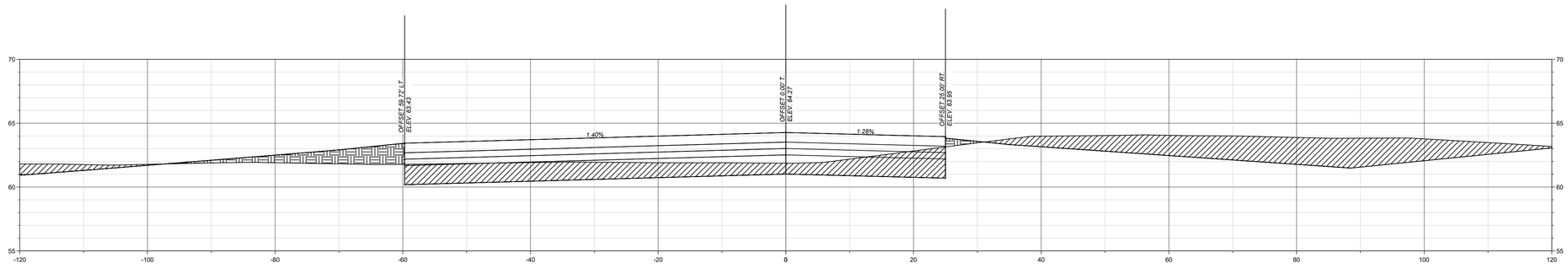
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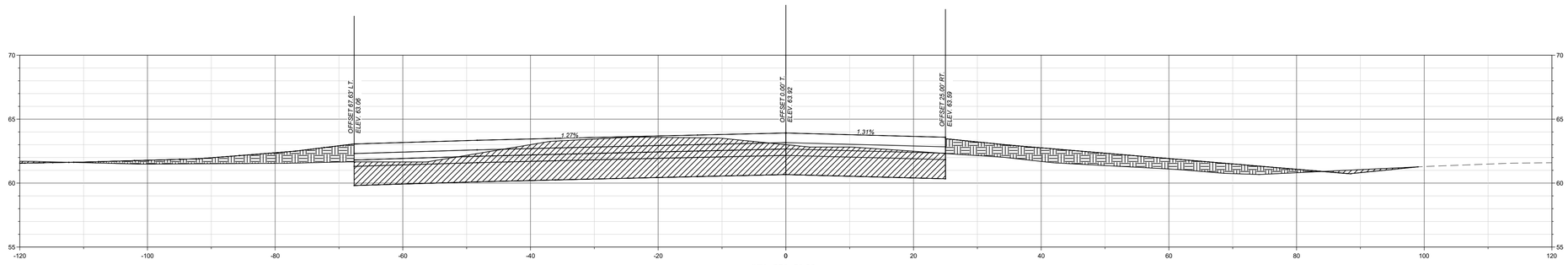
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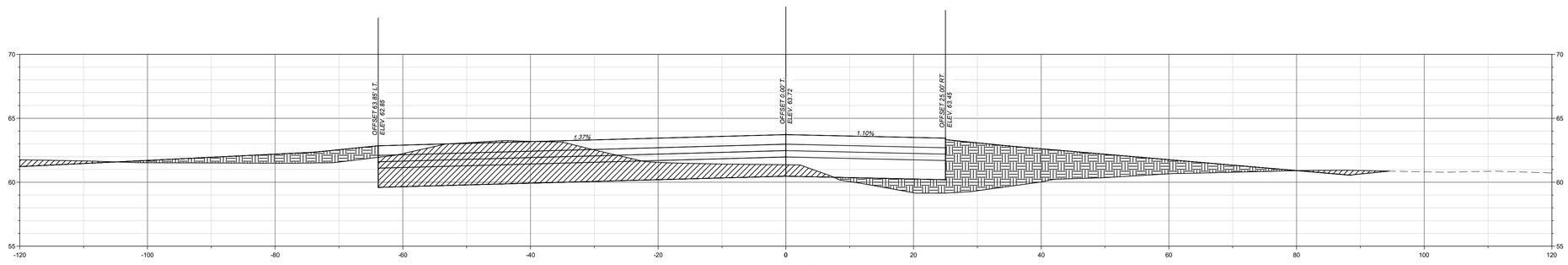
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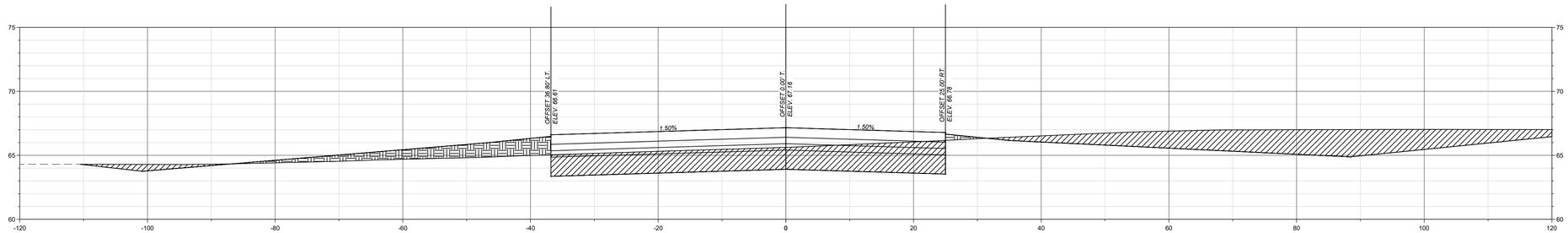
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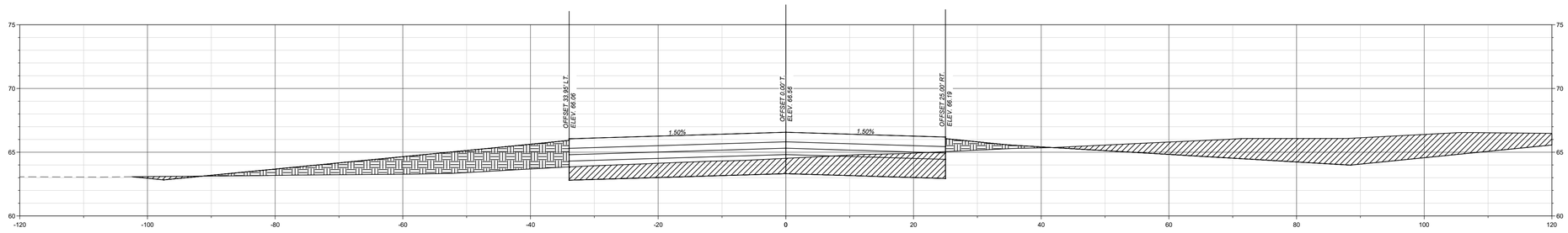
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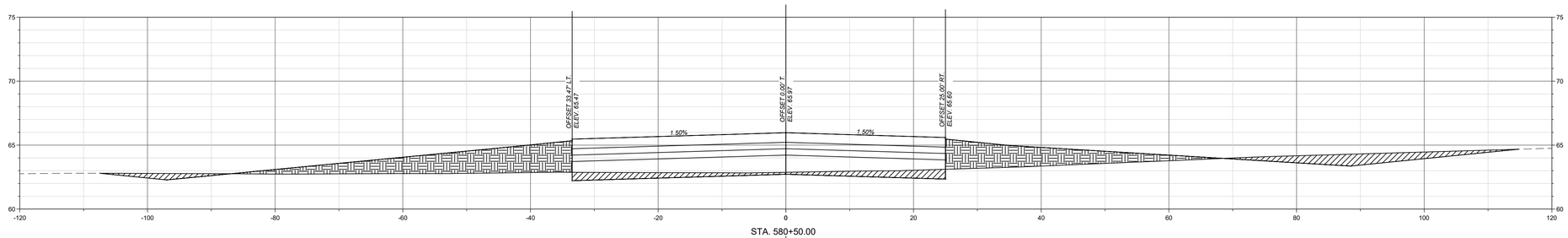
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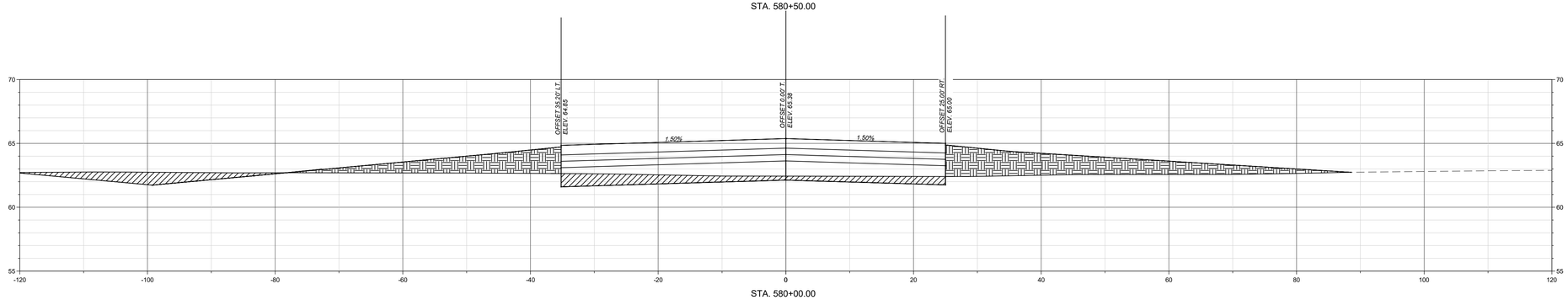
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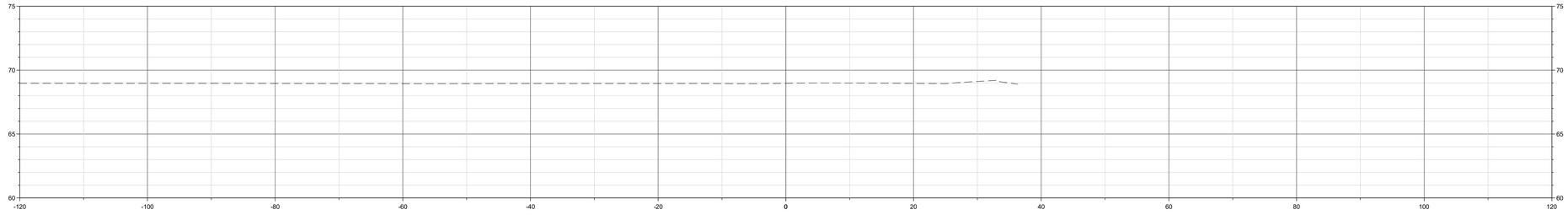
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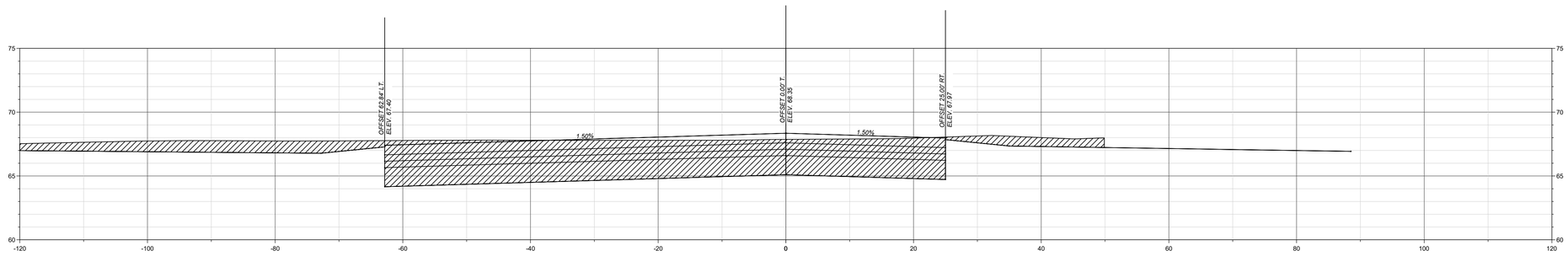
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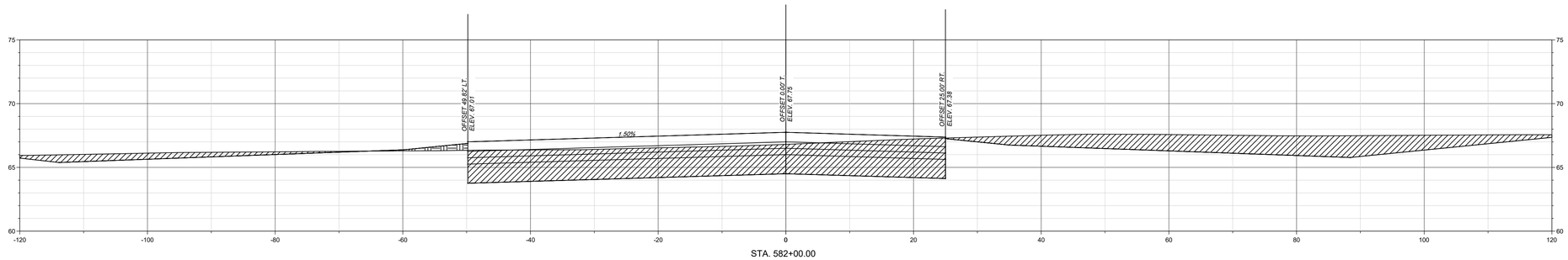
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CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: SHEET SCALE
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
CG331	124

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192	LSC2A	LIGHTING & SIGNING PLAN - AREA C2A
193	LSC2B	LIGHTING & SIGNING PLAN - AREA C2B
194	LS200	ELECTRICAL NOTES
195	LS201	LIGHTING ELECTRICAL DETAILS - AREA 201
196	LS202	LIGHTING ELECTRICAL DETAILS - AREA 202

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198	LS204	LIGHTING ELECTRICAL DETAILS - AREA 204
199	LS205	LIGHTING ELECTRICAL DETAILS - AREA 205
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203	SMB2A	MARKING LAYOUT PLAN - AREA B2A
204	SMB2B	MARKING LAYOUT PLAN - AREA B2B
205	SMB3A	MARKING LAYOUT PLAN - AREA B3A
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209	SMB1D	MARKING LAYOUT PLAN - AREA B1D
210	SMB2C	MARKING LAYOUT PLAN - AREA B2C
211	SMB2D	MARKING LAYOUT PLAN - AREA B2D
212	SMB3C	MARKING LAYOUT PLAN - AREA B3C
213	SMB3D	MARKING LAYOUT PLAN - AREA B3D
214	SMB4C	MARKING LAYOUT PLAN - AREA B4C
215	SMB4D	MARKING LAYOUT PLAN - AREA B4D
216	SMC2A	MARKING LAYOUT PLAN - AREA C2A
217	SM200	MARKING LAYOUT PLAN DETAILS
218	SM201	MARKING LAYOUT PLAN DETAILS
219	CF100	PERIMETER SECURITY FENCE RE-ALIGNMENT LOCATION PLAN
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221	CFB4C	PERIMETER SECURITY FENCE RE-ALIGNMENT LAYOUT PLAN - AREA B4C
222	CFB4D	PERIMETER SECURITY FENCE RE-ALIGNMENT LAYOUT PLAN - AREA B4D
223	CF200	PERIMETER SECURITY FENCE RE-ALIGNMENT DETAILS
224	CF201	PERIMETER SECURITY FENCE RE-ALIGNMENT DETAILS
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228	SWPB1D	STORM WATER PROTECTION PLAN - AREA B1D
229	SWPB2C	STORM WATER PROTECTION PLAN - AREA B2C
230	SWPB2D	STORM WATER PROTECTION PLAN - AREA B2D
231	SWPB3C	STORM WATER PROTECTION PLAN - AREA B3C
232	SWPB3D	STORM WATER PROTECTION PLAN - AREA B3D
233	SWPB4C	STORM WATER PROTECTION PLAN - AREA B4C
234	SWPB4D	STORM WATER PROTECTION PLAN - AREA B4D
235	SWPC2A	STORM WATER PROTECTION PLAN - AREA C2A
236	SWPC2B	STORM WATER PROTECTION PLAN - AREA C2B
237	SWPC3A	STORM WATER PROTECTION PLAN - AREA C3A
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240	JLB1D	PROPOSED JOINT LAYOUT - AREA B1D
241	JLB2C	PROPOSED JOINT LAYOUT - AREA B2C
242	JLB2D	PROPOSED JOINT LAYOUT - AREA B2D
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244	JL201	ENLARGED JOINT LAYOUT PLAN - AREA 201
245	JL202	ENLARGED JOINT LAYOUT PLAN - AREA 202
246	JL203	ENLARGED JOINT LAYOUT PLAN - AREA 203
247	JL204	ENLARGED JOINT LAYOUT PLAN - AREA 204
248	JL205	ENLARGED JOINT LAYOUT PLAN - AREA 205

STANDARD PLANS

SHEET NO.	SHEET REFERENCE NO.	DESCRIPTION
300	BM-01 10/26/23	BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES (SHEET 1 OF 2)
301	BM-01 10/26/23	BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES (SHEET 2 OF 2)
302	CB-01 11/2/2000	CONCRETE OPEN TOP CATCH BASIN (12' MAX. DEPTH) (24"x36" MAX. PIPE) (SPECIFY GRATE TYPE)
303	CB-02 11/2/2000	CONCRETE OPEN TOP CATCH BASIN (12' MAX. DEPTH) (42"x72" MAX. PIPE) (SPECIFY GRATE TYPE)
304	CBSD-02 7/15/2011	OPEN TOP CATCH BASIN

BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL

7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED JOINT LAYOUT SHEETS	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

SHEET INDEX

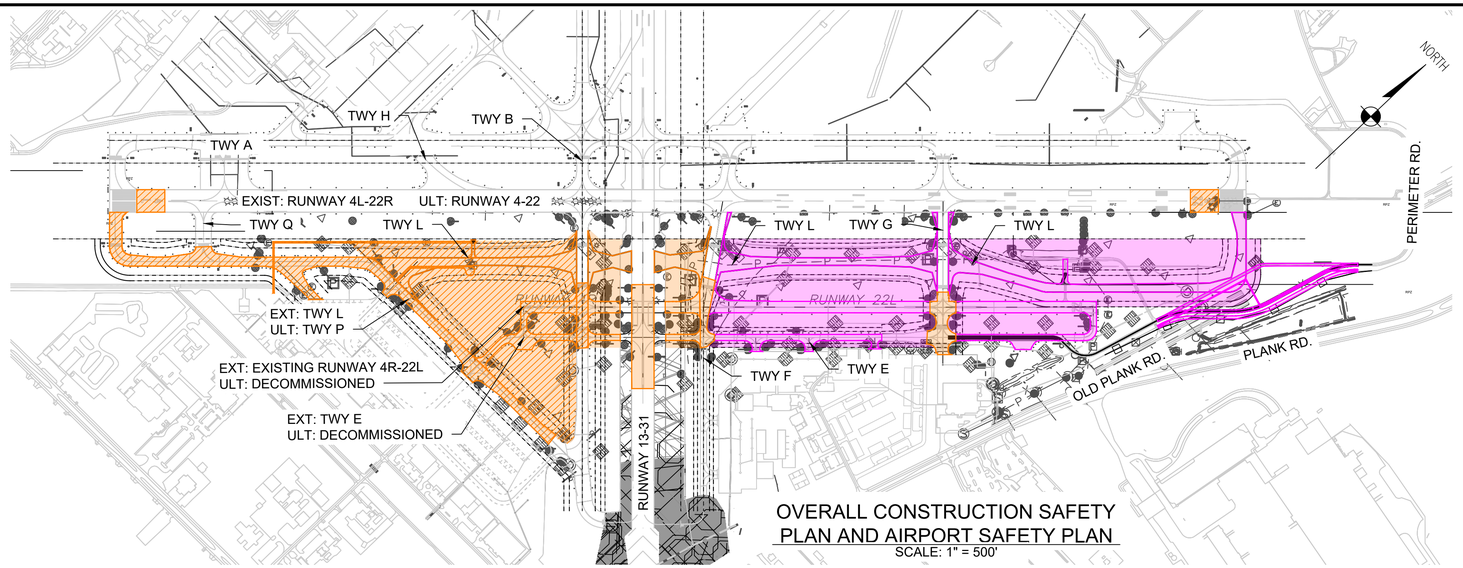
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE:NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G002
SHEET NO: 002

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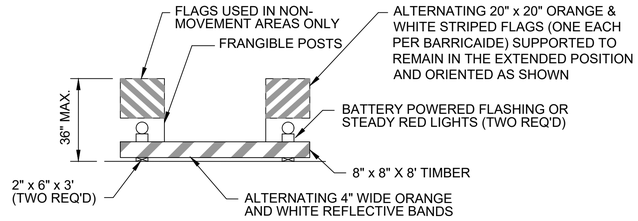
CADD D3-R4



OVERALL CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN
SCALE: 1" = 500'

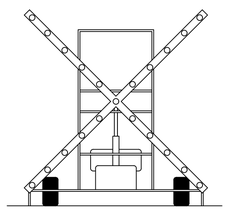
LEGEND:

1 / G008	LOW PROFILE BARRICADE
2 / G008	PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
3 / G008	CLOSED RUNWAY MARKING
4 / G008	CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
5 / G008	CONSTRUCTION TRAFFIC STOP SIGN
	PHASE I (NOT IN CONTRACT)
	PHASE II



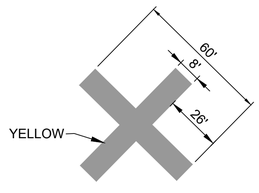
1 / G008 LOW PROFILE BARRICADE
N.T.S.

(TO BE PLACED AS REQUIRED BY PROJECT ENGINEER)



2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
N.T.S.

1. THE CONTRACTOR SHALL FURNISH TWO (2) LIGHTED RUNWAY CLOSURE MARKERS, SHERWIN INDUSTRIES OR EQUAL, THAT MEETS OR EXCEEDS FAA TECHNICAL REPORT DOT/FAA/CT-TN87/3, OR LATEST UPDATE, FOR THE DURATION OF THE PROJECT. LIGHTED "X" RUNWAY CLOSURE MARKERS TO BE PAID FOR UNDER ITEM S-1000. ⚠1
2. CONTRACTOR SHALL OPERATE AND MAINTAIN THE RUNWAY MARKERS IN GOOD CONDITION ON A DAILY BASIS AND PROVIDE ALL FUEL, LUBRICANTS AND REPLACEMENT BULBS (UL TESTED AND APPROVED) FOR THE DURATION OF THE PROJECT.



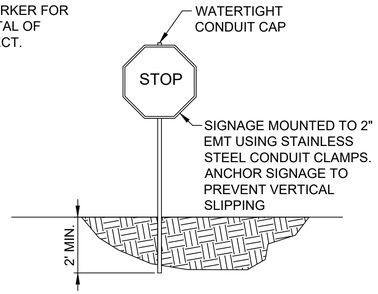
3 / G008 CLOSED RUNWAY MARKING DETAIL
N.T.S.

1. CROSS TO BE DESIGNED TO BE SUBMITTED FOR APPROVAL.
2. CONTRACTOR TO PROVIDE ONE (1) MARKER FOR EACH END OF THE RUNWAY FOR A TOTAL OF TWO(2). FOR DURATION OF THE PROJECT.



4 / G008 TEMPORARY CONSTRUCTION SIGNAGE
N.T.S.

1. SIGNAGE DIMENSIONS SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE MUTCD.
2. ALL COSTS ASSOCIATED WITH SIGN INSTALLATION AND MAINTENANCE WILL NOT BE MEASURED FOR SEPARATE PAVEMENT BUT SHALL BE SUBSIDIARY TO ITEM S-1000 CONSTRUCTION SAFETY AND PHASING PLAN. ⚠1
3. SIGNS SHALL BE INSTALLED AT THE BEGINNING OF EACH WORK SHIFT AND REMOVED AT THE END OF EACH WORK SHIFT.



5 / G008 CONSTRUCTION TRAFFIC STOP SIGN
N.T.S.

1. STOP SIGN SHALL BE RETROREFLECTIVE.
2. CONTRACTOR SHALL SUBMIT SIGN DIMENSIONS FOR APPROVAL PRIOR TO CONSTRUCTION.
3. CONSTRUCTION TRAFFIC STOP SIGN WILL BE CONSIDERED SUBSIDIARY TO ITEM S-1000 CONSTRUCTION SAFETY AND PHASING PLAN. ⚠1
4. CONSTRUCTION VEHICULAR TRAFFIC AT THE STOP SIGN SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
5. SIGN SHALL CONFIRM TO THE MOST RECENT EDITION OF FHWA'S MUTCD

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED REFRENCE TO S-1000	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

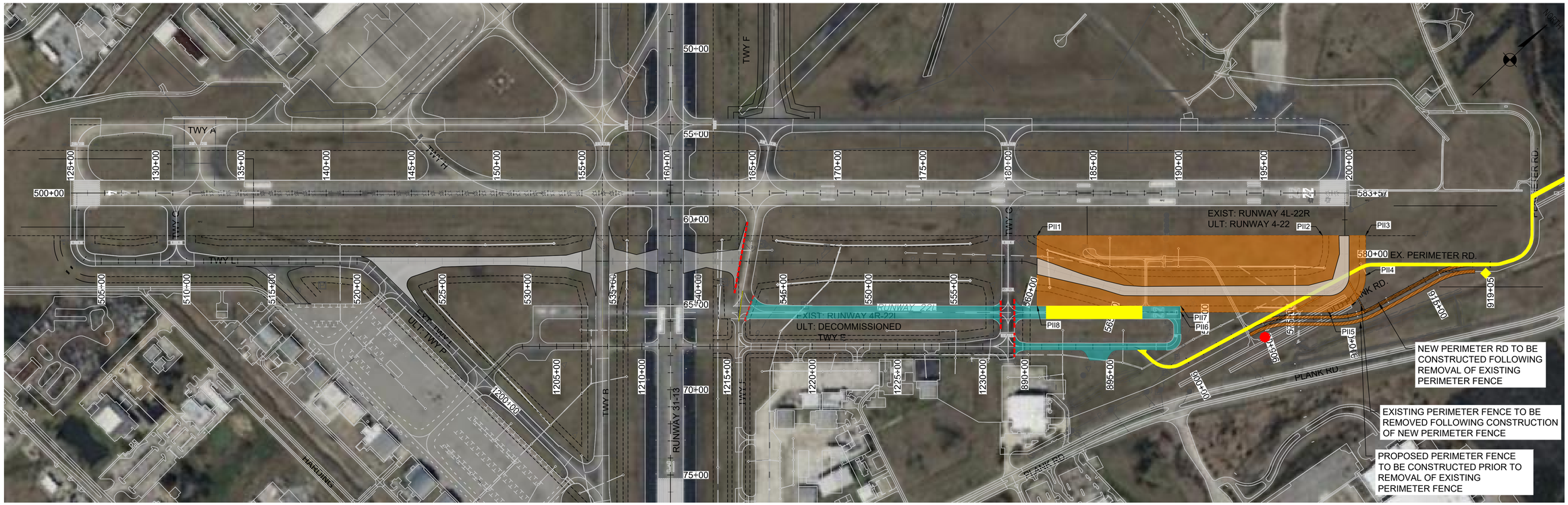
OVERALL CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

DESIGNED	A.J.F.
DRAWN	K.A.L.
CHECKED	B.S.R.
APPROVED	N/A
APPROVED	N/A
DATE	6/2025

SCALE: N.T.S.
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G008	010

CADD D3-R4
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CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS.
6. MARKINGS DESIGNATED FOR REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE II - STA 581+00 TO STA 560+00

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4-22 GLIDE SLOPE INOPERABLE, CATEGORY 1 AIRCRAFT ONLY"
   - 1.2. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.3. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.4. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 1.6. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

PHASE II (CONTINUED) - STA 581+00 TO 560+00

- 1.6. "MEN AND EQUIPMENT AT WORK NEAR:
  - 1.6.1. RUNWAY 4-22"
2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE IIA SITE WORK:
   - 4.4. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4-22 WITHIN THE GLIDE SLOPE CRITICAL AREA AND OUTSIDE THE RUNWAY 4-22 RSA LIMIT
   - 4.5. CONSTRUCT RVR/GLIDE SLOPE PAVED ACCESS ROAD
5. PERFORM PHASE II NEW TAXIWAY L WORK:
   - 5.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUCNTIONING TAXIWAY FROM NEW TAXIWAY L WITHIN GLIDE SLOP ELECTRICAL AREA AND OUTSIDE OF RUNWAY 4-22 RSA LIMIT
6. PERFORM PHASE II PAVEMENT MARKING REMOVAL WORK:
   - 6.1. REMOVE CENTERLINES AND SURFACE PAINTED SIGNS ON TAXIWAY G AT INTERSECTIONS OF RUNWAY 4R-22L AND TAXIWAY E. THIS WILL REQUIRE A TEMPORARY SHORT DURATION CLOSURE OF TAXIWAY G
7. PERFORM PHASE II PERIMETER FENCE AND ROAD CONSTRUCTION:
   - 7.1. CONSTRUCT PROPOSED PERIMETER FENCE
   - 7.2. DECONSTRUCT EXISTING PERIMETER FENCE
   - 7.3. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE WORK FOR PROPOSED PERIMETER ROAD
   - 7.4. PAVE PROPOSED PERIMETER ROAD
   - 7.5. REMOVE EXISTING PERIMETER ROAD PAVING AND DRAINAGE
8. INSTALL TEMPORARY COMMUNICATION CABLE JUMPERS FOR THE RTR AND THE RUNWAY 22R GLIDESLOPE.
9. PERFORM CLEANUP
10. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
11. RETRACT NOTAM EXCEPT THE FOLLOWING:
    - 11.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
    - 11.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
    - 11.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
    - 11.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
    - 11.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 — LOW PROFILE BARRICADE
- 2 / G008 — PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 — CLOSED RUNWAY MARKING
- 4 / G008 — CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 — CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	REMOVED PAVEMENT REMOVAL	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE II

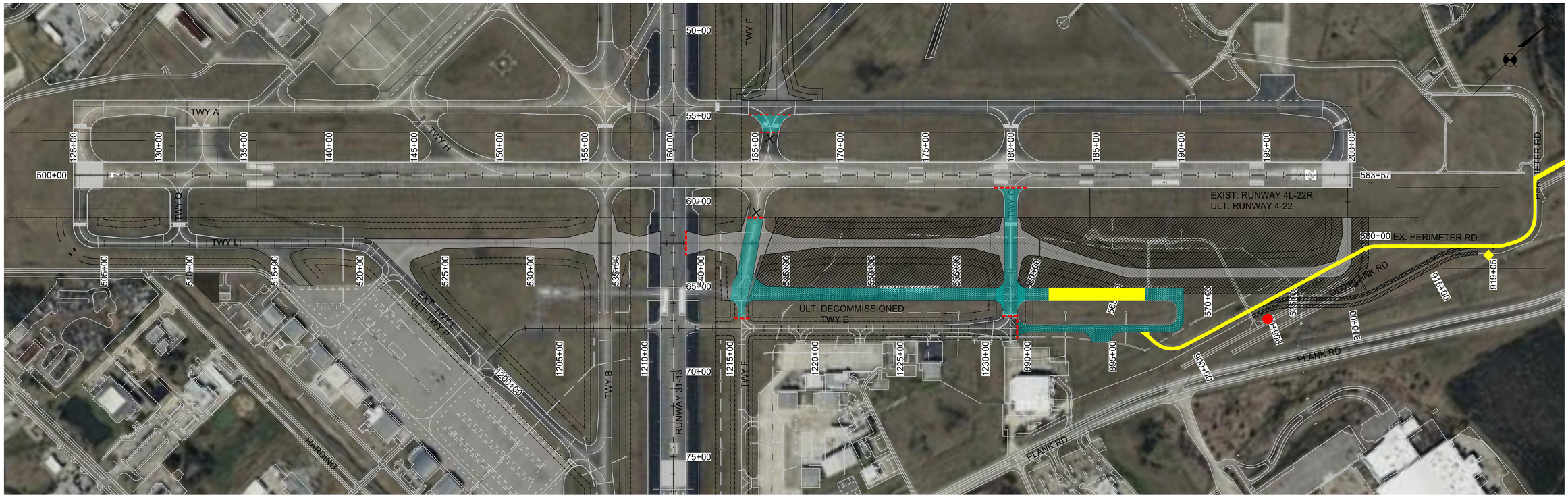
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED B.S.R.
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G016
SHEET NO: 010h

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CADD D3-R4



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
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PHASE IIC - TAXIWAY F TIE-IN

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"
   - 1.6. "TAXIWAY F CLOSED FROM TAXIWAY A TO NORTH END OF TAXIWAY E INTERSECTION"
   - 1.7. "MEN AND EQUIPMENT AT WORK NEAR:
     - 1.7.1. TAXIWAY F"
2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE IIC SITE WORK:
5. PERFORM PHASE IIC NEW TAXIWAY L WORK:
   - 5.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L ALONG TAXIWAY F WITHIN THE NORTHERN TAXIWAY F TOFA LIMIT
6. PERFORM CLEANUP
7. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
8. RETRACT NOTAM EXCEPT THE FOLLOWING:
   - 8.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 8.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 8.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 8.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 8.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
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- 4 / G008 — CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 — CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	CLOSED TWY G	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IIC

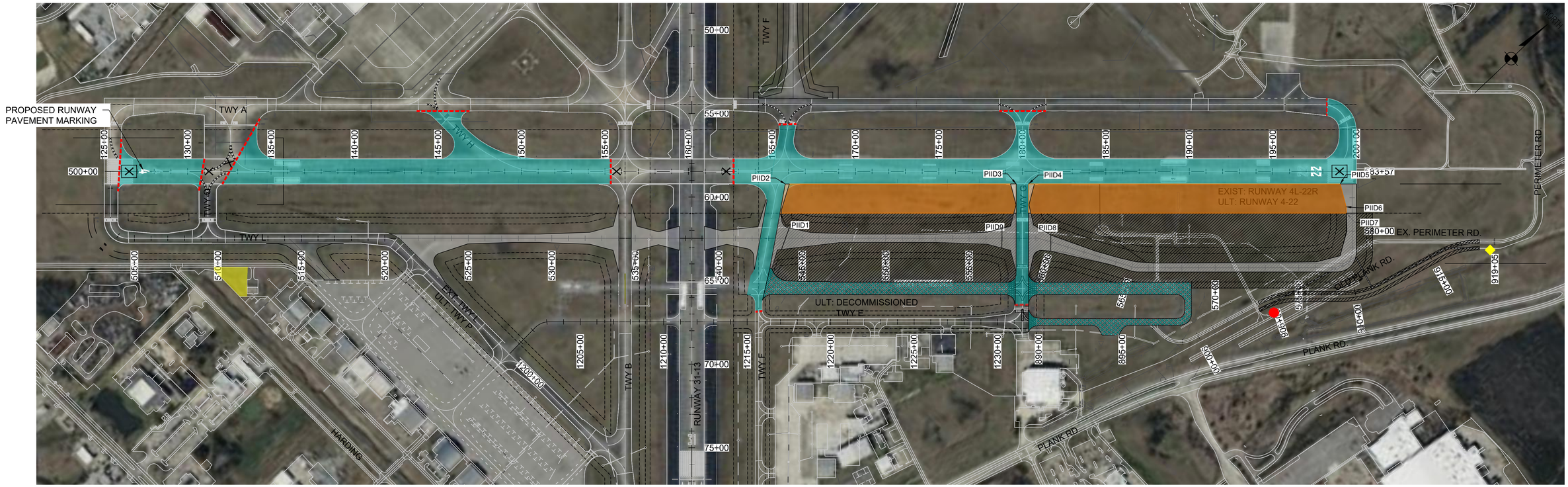
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED B.S.R.
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G019	010k

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CADD D3-R4



CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN

SCALE: 1" = 300'

PHASE NOTES

GENERAL NOTES:

1. THE WORK AREAS SHOWN ARE DIVIDED TO OUTLINE THE RESTRICTIONS THAT APPLY WHEN CONSTRUCTION IS ONGOING IN EACH AREA.
2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PROGRESS SCHEDULE TO THE PROGRAM MANAGER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACT DOCUMENTS PROVIDE CONSTRUCTION SEQUENCE AND SAFETY REQUIREMENTS WHICH MUST BE INCORPORATED INTO THE PROGRESS SCHEDULE.
3. **CONSTRUCTION OPERATIONS SHALL NOT PENETRATE THOSE SURFACES SHOWN ON THE TAXIWAY "OBSTACLE FREE ZONE" OR RUNWAY SAFETY AREA. ANY EQUIPMENT OR PERSONNEL OR PART THERE OF PENETRATING THE OFZ OR RSA WILL BE DEEMED A TAXIWAY OR RUNWAY INCURSION. A PENALTY OF $10,000 MAY BE CHARGED TO THE CONTRACTOR PER OCCURRENCE AT THE DESECRATION OF THE FAA.**
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LEVEL OF SECURITY AT THE PROJECT SITE. TEMPORARY FENCING SHALL CONFORM TO THE EXISTING SECURITY FENCING IN PLACE.
5. CONTRACTOR SHALL REMOVE EXISTING RUNWAY/TAXIWAY MARKINGS AND ALL TEMPORARY MARKINGS (AFTER COMPLETION OF PHASE) PER FAA ADVISORY CIRCULAR 150/5340-1M REQUIREMENTS.
6. MARKINGS DESIGNATED FOR REMOVALS SHALL BE REPLACED AT THE END OF THE PHASE AT THEIR ORIGINAL LOCATIONS.
7. CONTRACTOR SHALL COVER THE INDICATED EXISTING GUIDANCE SIGN WITH OPAQUE BLACK COVERING. COVERING SHALL BE SECURED TO ENSURE SIGN DOES NOT UNCOVER DURING CONSTRUCTION ACTIVITY. SIGN SHALL REMAIN COVERED FOR THE DURATION OF THE PHASE AND SHALL NOT BE UNCOVERED UNTIL PHASE IS COMPLETE AND AREA IS REOPENED. UPON UNCOVERING THE SIGN, THE CONTRACTOR SHALL INSPECT THE SIGN FOR DAMAGE OR COVERING RESIDUE. ANY RESIDUE SHALL BE CLEANED OFF AND ANY DAMAGE TO THE SIGN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

PHASE IID - RUNWAY 4-22 CONNECTIONS

1. ISSUE NOTAM STATING:
   - 1.1. "RUNWAY 4-22 CLOSED"
   - 1.2. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 1.3. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 1.4. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 1.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"

PHASE IID (CONTINUED) - RUNWAY 4-22 CONNECTIONS

- 1.6. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"
- 1.7. "TAXIWAY F CLOSED FROM TAXIWAY A TO NORTH END OF TAXIWAY E INTERSECTION" SEE NOTE 1.
- 1.8. "TAXIWAY G CLOSED" SEE NOTE 1.
- 1.9. "MEN AND EQUIPMENT AT WORK NEAR:
  - 1.9.1. TAXIWAY F"
  - 1.9.2. TAXIWAY G"
  - 1.9.3. RUNWAY 4-22"

2. INSTALL CONSTRUCTION SIGNAGE
3. INSTALL LIGHTED BARRICADES, TAXIWAY AND RUNWAY CLOSURE MARKERS, AND RUNWAY AND TAXIWAY LIGHT COVERS
4. PERFORM PHASE IID SITE WORK:
   - 4.1. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4-22 FROM TAXIWAY F TO TAXIWAY G WITHIN THE RUNWAY 4-22 RSA LIMIT
   - 4.2. CONSTRUCT EARTHWORK, GRADING, AND DRAINAGE ALONG RUNWAY 4-22 FROM TAXIWAY G TO NORTH END OF THE RUNWAY WITHIN THE RUNWAY 4-22 RSA LIMIT
5. PERFORM PHASE IID NEW TAXIWAY L WORK:
   - 5.1. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG TAXIWAY G WITHIN THE TAXIWAY G TOFA
   - 5.2. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG TAXIWAY F WITHIN THE TAXIWAY F NORTHERN TOFA LIMIT
   - 5.3. CONSTRUCT REMAINING WORK INCLUDING SUBGRADE, BASE COURSE, PAVEMENT, LIGHTING, PAVEMENT MARKINGS, SIGNAGE, AND OTHER ANCILLARY ITEMS TO MAKE A COMPLETE AND FUNCTIONING TAXIWAY FOR NEW TAXIWAY L WITHIN RUNWAY 4-22 RSA LIMIT ALONG THE NORTH END OF RUNWAY 4-22 WITHIN RSA LIMIT
6. PERFORM PHASE II PAVEMENT DEMO WORK:
   - 6.1. REMOVE PAVEMENT ON RUNWAY 4R-22L BETWEEN TAXIWAY F EOP TO TAXIWAY G SOUTHERN TOFA
   - 6.2. REMOVE PAVEMENT ON RUNWAY 4R-22L WITHIN TAXIWAY G TOFA LIMITS
   - 6.3. REMOVE PAVEMENT ON RUNWAY 4R-22L BETWEEN TAXIWAY G NORTHERN TOFA TO TAXIWAY E
   - 6.4. REMOVE PAVEMENT ON TAXIWAY E FROM TAXIWAY G NORTHERN TOFA TO RUNWAY 4R-22L
7. PERFORM CLEANUP
8. CONSTRUCTION SIGNAGE, LIGHTED BARRICADES, TAXIWAY CLOSURE MARKERS, AND RUNWAY AND LIGHT COVERS EXCEPT FOR THOSE RELATED TO THE CLOSURE OF RUNWAY 4R-22L AND TAXIWAY E
9. RETRACT NOTAM EXCEPT THE FOLLOWING:
   - 9.1. "RUNWAY 4R-22L PERMANENTLY CLOSED FOR ARRIVALS AND DEPARTURES"
   - 9.2. "RUNWAY 4L-22R PERMANENTLY REDESIGNATED TO 4-22"
   - 9.3. "SECTION OF TAXIWAY L THAT PARALLELS THE NORTHERN LIMIT OF THE SOUTH APRON PERMANENTLY REDESIGNATED TO TAXIWAY P"
   - 9.4. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY P TO TAXIWAY F"
   - 9.5. "TAXIWAY E PERMANENTLY CLOSED FROM TAXIWAY G TO RUNWAY 4R-22L"

NOTES:
1. TAXIWAY G AND F SHALL NOT BE CLOSED CONCURRENTLY.
2. PIID1-PIID9 LABELS FOR FAA OE/AAA USE ONLY. NO IMPACT TO CONSTRUCTION.

LEGEND:

- WORK PERFORMED IN PREVIOUS PHASE
- * PAVEMENT REMOVAL THIS PHASE
- PAVEMENT REMOVED IN PREVIOUS PHASE
- WORK PERFORMED THIS PHASE
- CONTRACTOR STAGING AREA
- CONTRACTOR PARKING
- CONTRACTOR ACCESS ROAD
- PROPOSED TAXIWAY
- * REMOVAL OF EXISTING PAVEMENT MARKING THIS PHASE
- PAVEMENT MARKING REMOVED IN PREVIOUS PHASE
- RUNWAY/TAXIWAY CLOSED FOR ARRIVALS AND DEPARTURES THIS PHASE
- NON-MOVEMENT AREA
- ******** PAVEMENT MARKING TO BE REMOVED AND REPLACED THIS PHASE
- * TEMPORARY YELLOW CENTERLINE STRIPING
- 1 / G008 LOW PROFILE BARRICADE
- 2 / G008 PORTABLE LIGHTED "X" RUNWAY CLOSURE MARKER
- 3 / G008 CLOSED RUNWAY MARKING
- 4 / G008 CONTRACTOR TRAFFIC DO NOT ENTER SIGNAGE
- 5 / G008 CONSTRUCTION TRAFFIC STOP SIGN

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDED PAVEMENT REMOVAL TO PHASE	KP	BR	BR	7/15/2025

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TAXIWAY LIMA EXTENSION

CONSTRUCTION SAFETY PLAN AND AIRPORT SAFETY PLAN PHASE IID

DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED B.S.R.
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 300'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID: G020
SHEET NO: 010L

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CADD D3-R4

SUMMARY OF ESTIMATED QUANTITIES--PHASE II BASE BID

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
	TAXIWAY PAVEMENT AND EARTHWORK		
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-102-5.1c	INSTALLATION AND REMOVAL OF SILT FENCE (CATCH BASIN PROTECTION)	LF	4,018
C-102-5.1e	INSTALLATION AND REMOVAL OF SILT FENCE	LF	5,419
C-105-5.1	MOBILIZATION	LUMP	1
P-101-5.1a	PAVEMENT REMOVAL (GA RUNWAY 4R-22L, TAXIWAY E)	SY	30,831
P-101-5.6a	COLD MILLING (2" DEPTH) (TAXIWAY L)	SY	9,850
P-151-4.2a	CLEARING AND GRUBBING	AC	33
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	35,976
P-152-4.2a	EMBANKMENT IN PLACE	CY	9,749
P-153-6.1	CONTROLLED LOW-STRENGTH MATERIAL (CLSM)	CY	70
P-154-5.1	SUBBASE COURSE	CY	16,193
P-155-8.1a	LIME TREATED SUBGRADE (10" THICK) (ACCESS DRIVES)	SY	121
P-155-8.1b	LIME TREATED SUBGRADE (12" THICK) (TAXIWAY)	SY	32,386
P-155-8.2a	LIME (LIME SLURRY ONLY) (ACCESS DRIVES)	TON	2
P-155-8.2b	LIME (LIME SLURRY ONLY) (TAXIWAY)	TON	614
P-209-5.1a	CRUSHED AGGREGATE BASE COURSE (10" THICK) (RVR DRIVE)	SY	121
P-209-5.1b	CRUSHED AGGREGATE BASE COURSE (6.0" THICK)	SY	32,386
P-209-5.2a	SEPARATION GEOTEXTILE	SY	32,386
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	32,386
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	32,386
P-401-8.1b	ASPHALT SURFACE COURSE (2" THICK) (OVERLAY)	TON	1,084
P-403-8.1c	ASPHALT MIXTURE SURFACE COURSE (2" THICK) (ACCESS DRIVES)	TON	14
P-403-8.1d	ASPHALT MIXTURE BINDER COURSE (2" THICK) (ACCESS DRIVES)	TON	17
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	30,940
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	3,000
P-605-5.1	JOINT SEALING FILLER	LF	39,439
P-620-5.1a	SURFACE PREPARATION	SF	46,813
P-620-5.2b-1	RUNWAY AND TAXIWAY MARKING (YELLOW)	SF	7,337
P-620-5.2b-2	RUNWAY AND TAXIWAY MARKING (BLACK)	SF	21,229
P-620-5.3c	REFLECTIVE MEDIA (RUNWAY)	LB	638
P-620-5.4d	TEMPORARY RUNWAY AND TAXIWAY MARKING	LUMP	1
P-705-5.4	6 INCH PIPE (PERFORATED PVC), INCLUDING POROUS BACKFILL AND FILTER FABRIC	LF	8,678
S-1000	CONSTRUCTION SAFETY AND PHASING PLAN	LS	1
S-1001	SEEDING (HYDROSEEDING)	AC	22
T-904-5.2	SODDING	SY	9,642
T-905-5.1	TOPSOIL (OBTAINED ONSITE OR REMOVED FROM STOCKPILE)	CY	5,865
T-908-5.1	MULCHING	SY	105,567
	DRAINAGE, PERIMETER ROAD, PERIMETER FENCE		
P-101-5.1b	PAVEMENT REMOVAL (ASPHALT PAVEMENT AND BASE)	SY	5,015
P-101-5.1c	PAVEMENT REMOVAL (CONCRETE)	SY	157
P-101-5.6b	COLD MILLING (DEPTH VARIES) (GA RUNWAY)	SY	3,110
P-101-5.7	REMOVAL OF EXISTING PIPES AND STRUCTURES	LUMP	1
P-151-4.1	CLEARING (REMOVAL OF EXISTING FENCE AND CONCRETE MAINTENANCE PAD)	LUMP	1
P-151-4.2b	CLEARING AND GRUBBING (REMOVAL OF GRASS)	AC	4
P-152-4.1b	UNCLASSIFIED EXCAVATION	CY	1,400
P-152-4.1c	UNCLASSIFIED EXCAVATION (MUCK)	CY	600
P-152-4.2b	EMBANKMENT IN PLACE (GENERAL)	CY	1,700
P-152-4.2c	EMBANKMENT IN PLACE (SELECT FILL)	CY	850
P-155-8.1c	LIME TREATED SUBGRADE	SY	2,955
P-155-8.2c	LIME (LIME SLURRY ONLY)	TON	42
P-209-5.1c	CRUSHED AGGREGATE BASE COURSE (8" THICK)	SY	2,955
P-209-5.2b	SEPERATION GEOTEXTILE	SY	2,955
P-403-8.1e	ASPHALT MIXTURE SURFACE COURSE (PERIMETER ROAD)	TON	680
P-403-8.1f	ASPHALT MIXTURE BINDER COURSE (PERIMETER ROAD)	TON	645
P-602-5.1a	EMULSIFIED ASPHALT PRIME COAT	GAL	890
P-603-5.1a	EMULSIFIED ASPHALT TACK COAT	GAL	770
P-620-5.2c	MARKING (PERIMETER ROAD)	SF	3,415
P-620-5.3d	REFLECTIVE MEDIA (PERIMETER ROAD)	LB	210
D-701-5.1	15 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	156
D-701-5.3	36 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	912
D-701-5.4	42 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	1,965
D-701-5.5	48 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	790
D-701-5.6	15 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	240
D-701-5.10	42 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	792
D-751-5.2a	CATCH BASIN - CB-01 (INCLUDES BEDDING & BACKFILL)	EA	4
D-751-5.2b	CATCH BASIN - CB-02 (INCLUDES BEDDING & BACKFILL)	EA	13
D-751-5.2c	CATCH BASIN - CB-SD02 (INCLUDES BEDDING & BACKFILL)	EA	1
F-162-5.1	CHAIN-LINK FENCE (6 FT HT. W/ 3 STRANDS BARBED WIRE)	LF	1,880
P-610-6.1	CONCRETE (4" THICK) (FENCE MAINTENANCE PAD)	SY	418
S-1002	MARKING (REFLECTORIZED RAISED PAVEMENT MARKERS) (WHITE/WHITE)	EA	72
S-1003	SECURITY SIGNS	LUMP	1
	TAXIWAY EDGE LIGHTING AND SIGNING		
L-108-5.1	NO. 8 AWG, 5 KV TYPE C CABLE, INSTALLED IN CONDUIT	LF	14,800
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS, INCLUDING GROUND RODS	LF	12,000
L-109-7.1	INSTALLATION OF 5 KW CONSTANT CURRENT REGULATOR IN PLACE AND OPERATIONAL INCLUDING 5KV CUTOUTS	EA	1
L-110-5.1	ELECTRICAL CONDUIT, 2" SCHEDULE 40 PVC, TYPE II INSTALLED IN TRENCH	LF	12,000
L-110-5.2	ELECTRICAL CONDUIT, 2" HDPE, JACKED OR BORED UNDER TAXIWAY IN STEEL CASING (STEEL CASING INCLUDED IN THIS ITEM)	LF	500
L-110-5.3	ELECTRICAL DUCT, 4-WAY, 4" AND 1-WAY, 2" HIGH DENSITY POLYETHYLENE CONDUIT, DIRECTIONAL BORE, INSTALLED	LF	100
L-115-5.1	ELECTRICAL JUNCTION CAN, L-867, SIZE B, CLASS 1, COMPLETE, IN PLACE	EA	8
L-115-5.2	ELECTRICAL JUNCTION CAN, L-868, SIZE D, CLASS 1, COMPLETE, IN PLACE	EA	2
L-125-5.1	MEDIUM INTENSITY TAXIWAY EDGE LIGHT (L-861T), WITH BLUE LENS, LED LAMP, 10/15 WATT TRANSFORMER, BASE MOUNTED, IN PLACE	EA	127
L-125-5.2	SIGN L-858, SIZE 2, 1-PANEL, REQUIRED CONCRETE BASE	EA	4
L-125-5.3	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE	EA	7
L-125-5.5	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE, UNLIGHTED	EA	1
L-125-5.6	REPLACE EXISTING SIGN PANEL, COMPLETE, IN PLACE	EA	6
L-125-5.7	REMOVE EXISTING RUNWAY & TAXIWAY ELECTRICAL SYSTEMS	LUMP	1
L-125-5.8	ELECTRICAL TESTING	LUMP	1
L-125-5.9	CONNECT TO EXISTING CIRCUIT	LUMP	1

SUMMARY OF ESTIMATED QUANTITIES--PHASE II ALTERNATE 1

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
	TAXIWAY PAVEMENT AND EARTHWORK		
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	-9,744
P-152-4.2a	EMBANKMENT IN PLACE	CY	115
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	-32,386
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	-32,386
P-401-8.1a	ASPHALT SURFACE COURSE (2.0" THICK)	TON	3,404
P-403-8.1a	ASPHALT MIXTURE BINDER COURSE (2.0" THICK)	TON	3,457
P-403-8.1b	ASPHALT BASE COURSE COURSE (5.0" THICK)	TON	8,907
P-407-8.1	ASPHALT TREATED PERMEABLE BASE COURSE (ATPB) (6" THICK)	SY	32,386
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	-30,940
P-602-5.1b	EMULSIFIED ASPHALT PRIME COAT	GAL	9,427
P-603-5.1b	EMULSIFIED ASPHALT TACK COAT	GAL	10,548
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	-3,000
P-605-5.1	JOINT SEALING FILLER	LF	-39,439

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	ADDENDUM 1	AJF	BSR	BSR	07/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

SUMMARY OF ESTIMATED QUANTITIES

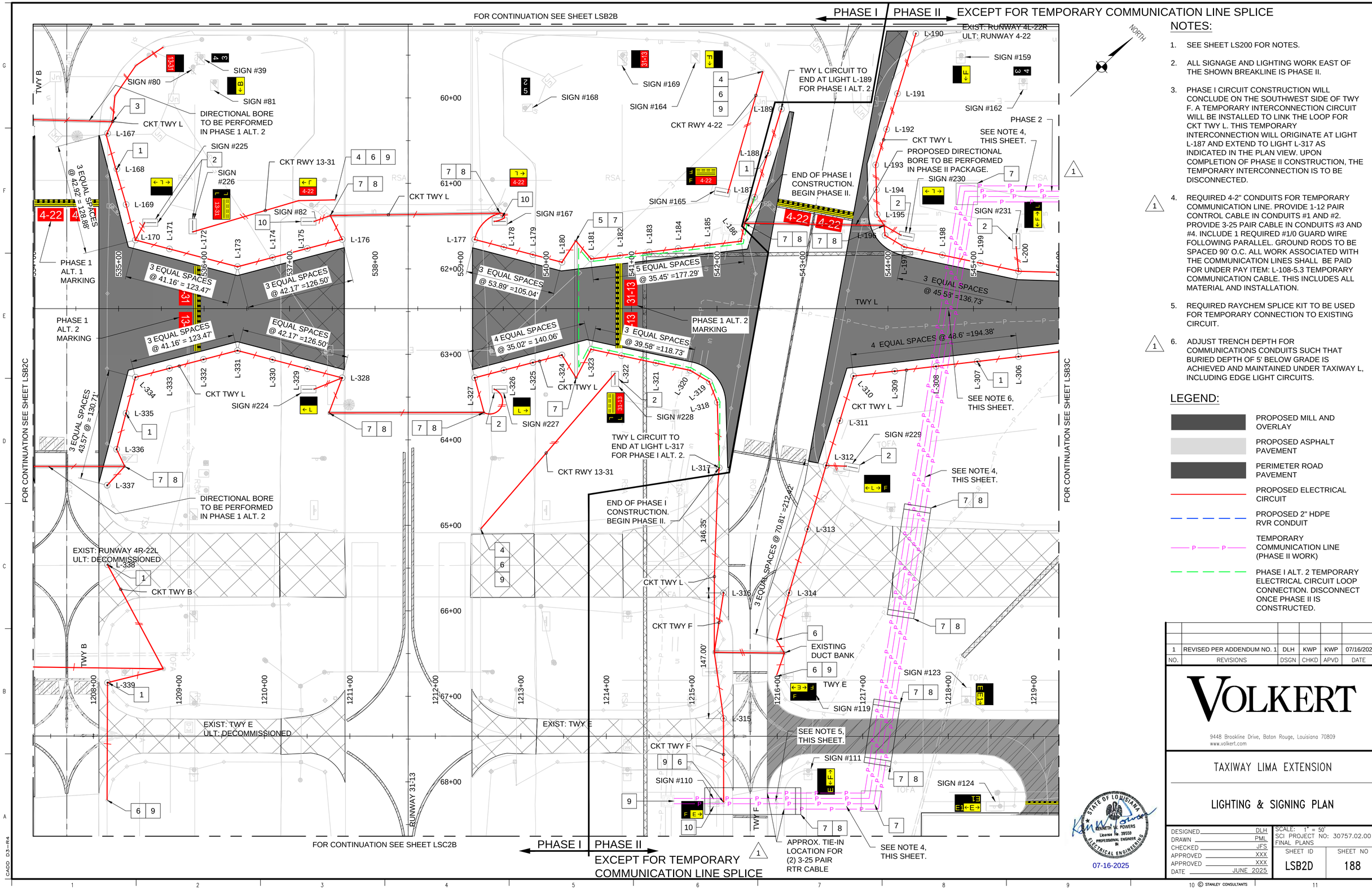
DESIGNED W.T.B.
DRAWN G.T.H.
CHECKED B.S.R.
APPROVED N/A.
APPROVED N/A
DATE 6/18/2025 7/16/2025

SCALE: NTS
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
G022	011

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CADD D3-R4



NOTES:

1. SEE SHEET LS200 FOR NOTES.
2. ALL SIGNAGE AND LIGHTING WORK EAST OF THE SHOWN BREAKLINE IS PHASE II.
3. PHASE I CIRCUIT CONSTRUCTION WILL CONCLUDE ON THE SOUTHWEST SIDE OF TWY F. A TEMPORARY INTERCONNECTION CIRCUIT WILL BE INSTALLED TO LINK THE LOOP FOR CKT TWY L. THIS TEMPORARY INTERCONNECTION WILL ORIGINATE AT LIGHT L-187 AND EXTEND TO LIGHT L-317 AS INDICATED IN THE PLAN VIEW. UPON COMPLETION OF PHASE II CONSTRUCTION, THE TEMPORARY INTERCONNECTION IS TO BE DISCONNECTED.
4. (1) REQUIRED 4-2" CONDUITS FOR TEMPORARY COMMUNICATION LINE. PROVIDE 1-12 PAIR CONTROL CABLE IN CONDUITS #1 AND #2. PROVIDE 3-25 PAIR CABLE IN CONDUITS #3 AND #4. INCLUDE 1 REQUIRED #1/0 GUARD WIRE FOLLOWING PARALLEL. GROUND RODS TO BE SPACED 90' O.C. ALL WORK ASSOCIATED WITH THE COMMUNICATION LINES SHALL BE PAID FOR UNDER PAY ITEM: L-108-5.3 TEMPORARY COMMUNICATION CABLE. THIS INCLUDES ALL MATERIAL AND INSTALLATION.
5. REQUIRED RAYCHEM SPLICE KIT TO BE USED FOR TEMPORARY CONNECTION TO EXISTING CIRCUIT.
6. (1) ADJUST TRENCH DEPTH FOR COMMUNICATIONS CONDUITS SUCH THAT BURIED DEPTH OF 5' BELOW GRADE IS ACHIEVED AND MAINTAINED UNDER TAXIWAY L, INCLUDING EDGE LIGHT CIRCUITS.

LEGEND:

- PROPOSED MILL AND OVERLAY
- PROPOSED ASPHALT PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED ELECTRICAL CIRCUIT
- PROPOSED 2" HDPE RVR CONDUIT
- TEMPORARY COMMUNICATION LINE (PHASE II WORK)
- PHASE I ALT. 2 TEMPORARY ELECTRICAL CIRCUIT LOOP CONNECTION. DISCONNECT ONCE PHASE II IS CONSTRUCTED.

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	REVISED PER ADDENDUM NO. 1	DLH	KWP	KWP	07/16/2025

VOLKERT
9448 Brookline Drive, Baton Rouge, Louisiana 70809
www.volkert.com

TAXIWAY LIMA EXTENSION

LIGHTING & SIGNING PLAN

DESIGNED	DLH
DRAWN	PML
CHECKED	JFS
APPROVED	XXX
APPROVED	XXX
DATE	JUNE 2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
LSB2D	188

KENNETH W. POWERS
License No. 39559
PROFESSIONAL ENGINEER IN
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STATE OF LOUISIANA
07-16-2025

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CADD D3-R4

FOR CONTINUATION SEE SHEET LSB3A

FOR CONTINUATION SEE SHEET LSB2D

FOR CONTINUATION SEE SHEET LSB3D

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

SEE NOTE 4, THIS SHEET.

PHASE 2

APPROX. TIE-IN LOCATION FOR (2) 3-25 PAIR RTR CABLE

8 EQUAL SPACES @ 131.68' =1053.43'

3 EQUAL SPACES @ 42.26' = 126.77'

3 EQUAL SPACES @ 41.29' = 123.86'

3 EQUAL SPACES @ 45.97' =137.90'

3 EQUAL SPACES @ 45.97' =137.90'

3 EQUAL SPACES @ 42.51' = 127.52'

96.32'

CKT TWY L

CKT RWY 4-22

CKT TWY E

EXISTING DUCT BANK

SIGN #156

SIGN #142

SIGN #233

SIGN #232

SIGN #130

SIGN #127

SIGN #125

SIGN #126

SIGN #129

SIGN #128

TWY L

TWY E

RUNWAY 22L

L-201 L-202 L-203 L-204 L-205 L-206 L-207 L-208 L-209 L-210 L-211 L-212 L-213 L-214 L-215 L-216 L-217
L-291 L-292 L-293 L-294 L-295 L-296 L-297 L-298 L-299 L-300 L-301 L-302 L-303 L-304 L-305

546+00 547+00 548+00 549+00 550+00 551+00 552+00 553+00 554+00 555+00 556+00 557+00
1220+00 1221+00 1222+00 1223+00 1224+00 1225+00 1226+00 1227+00 1228+00 1229+00 1230+00 1231+00

TSA TOFA RSA

NOTES:

1. SEE SHEET LS200 FOR NOTES.
2. ALL WORK ON THIS SHEET IS PHASE II. IN THIS CONTRACT.
3. REQUIRED 4-2" CONDUITS FOR TEMPORARY COMMUNICATION LINE. PROVIDE 1-12 PAIR CONTROL CABLE IN CONDUITS #1 AND #2. PROVIDE 3-25 PAIR CABLE IN CONDUITS #3 AND #4. INCLUDE 1 REQUIRED #1/0 GUARD WIRE FOLLOWING PARALLEL. GROUND RODS TO BE SPACED 90' O.C. ALL WORK ASSOCIATED WITH THE COMMUNICATION LINES SHALL BE PAID FOR UNDER PAY ITEM: L-108-5.3 TEMPORARY COMMUNICATION CABLE. THIS INCLUDES ALL MATERIAL AND INSTALLATION.
4. REQUIRED RAYCHEM SPLICE KIT TO BE USED FOR TEMPORARY CONNECTION TO EXISTING CIRCUIT.

LEGEND:

- PROPOSED MILL AND OVERLAY
- PROPOSED ASPHALT PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED ELECTRICAL CIRCUIT
- PROPOSED 2" HDPE RVR CONDUIT
- TEMPORARY COMMUNICATION LINE (PHASE II WORK)

KENNETH W. POWERS
License No. 39550
PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING
STATE OF LOUISIANA

07-16-2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	REVISED PER ADDENDUM NO. 1	DLH	KWP	KWP	07/16/2025

VOLKERT
9448 Brookline Drive, Baton Rouge, Louisiana 70809
www.volkert.com

TAXIWAY LIMA EXTENSION

LIGHTING & SIGNING PLAN

DESIGNED	DLH
DRAWN	PML
CHECKED	JFS
APPROVED	XXX
APPROVED	XXX
DATE	JUNE 2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
LSB3C	189

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CADD D3-R4

FOR CONTINUATION SEE SHEET LSB3B

FOR CONTINUATION SEE SHEET LSB3C

FOR CONTINUATION SEE SHEET LSB4C

EXIST: RUNWAY 4L-22R
ULT: RUNWAY 4-22

EXIST: RUNWAY 4R-22L
ULT: DECOMMISSIONED

L-218 L-219 L-220 L-221 L-222 L-223 L-224 L-225 L-226 L-228 L-229 L-230 L-231 L-232 L-233 L-234 L-235 L-236 L-237 L-271 L-272 L-273 L-274 L-275 L-276 L-277 L-278 L-279 L-280 L-281 L-282 L-283 L-284 L-285 L-286 L-287 L-288 L-289 L-290

SIGN #143 SIGN #146 SIGN #234 SIGN #235 SIGN #236 SIGN #237 SIGN #240 SIGN #135

UNLIGHTED SIGN

CKT TWY L CKT TWY E CKT RWY 13-31

EXISTING DUCT BANK

PHASE 2

SEE NOTE 2, THIS SHEET.

SEE NOTE 3, THIS SHEET.

TWY L TWY G TWY E

3 EQUAL SPACES @ 42.28' = 126.85'
3 EQUAL SPACES @ 39.20' = 117.59'
3 EQUAL SPACES @ 46.15' = 138.44'
3 EQUAL SPACES @ 45.81' = 137.43'
3 EQUAL SPACES @ 37.85' = 113.56'
5 EQUAL SPACES @ 86.58' = 432.91'
8 EQUAL SPACES @ 136.39' = 1091.12'
21.49'
84.12'

559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00 890+00 891+00 892+00 893+00 894+00 895+00 896+00 897+00 898+00 899+00 900+00 901+00

TSA TOFA RSA

NOTES:

1. SEE SHEET LS200 FOR NOTES.
2. ALL WORK ON THIS SHEET IS PHASE II. IN THIS CONTRACT.
3. REQUIRED 4-2" CONDUITS FOR TEMPORARY COMMUNICATION LINE. PROVIDE 1-12 PAIR CONTROL CABLE IN CONDUITS #1 AND #2. PROVIDE 3-25 PAIR CABLE IN CONDUITS #3 AND #4. INCLUDE 1 REQUIRED #1/0 GUARD WIRE FOLLOWING PARALLEL. GROUND RODS TO BE SPACED 90' O.C. ALL WORK ASSOCIATED WITH THE COMMUNICATION LINES SHALL BE PAID FOR UNDER PAY ITEM: L-108-5.3 TEMPORARY COMMUNICATION CABLE. THIS INCLUDES ALL MATERIAL AND INSTALLATION.
4. REQUIRED RAYCHEM SPLICE KIT TO BE USED FOR TEMPORARY CONNECTION TO EXISTING CIRCUIT.

LEGEND:

- PROPOSED MILL AND OVERLAY
- PROPOSED ASPHALT PAVEMENT
- PERIMETER ROAD PAVEMENT
- PROPOSED ELECTRICAL CIRCUIT
- PROPOSED 2" HDPE RVR CONDUIT
- TEMPORARY COMMUNICATION LINE (PHASE II WORK)

STATE OF LOUISIANA
KENNETH W. POWERS
License No. 39550
PROFESSIONAL ENGINEER IN
ELECTRICAL ENGINEERING

07-16-2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	REVISED PER ADDENDUM NO. 1	DLH	KWP	KWP	07/16/2025

VOLKERT
9448 Brookline Drive, Baton Rouge, Louisiana 70809
www.volkert.com

TAXIWAY LIMA EXTENSION

LIGHTING & SIGNING PLAN

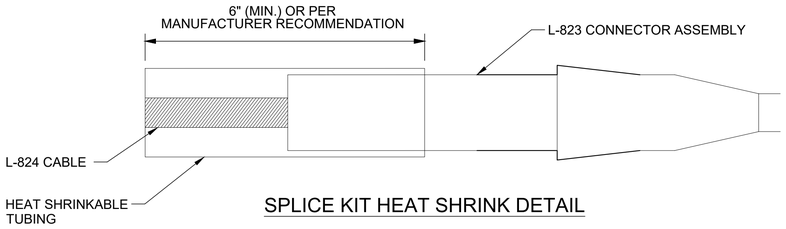
DESIGNED	DLH
DRAWN	PML
CHECKED	JFS
APPROVED	XXX
APPROVED	XXX
DATE	JUNE 2025

SCALE: 1" = 50'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
LSB3D	190

CADD 03-R4

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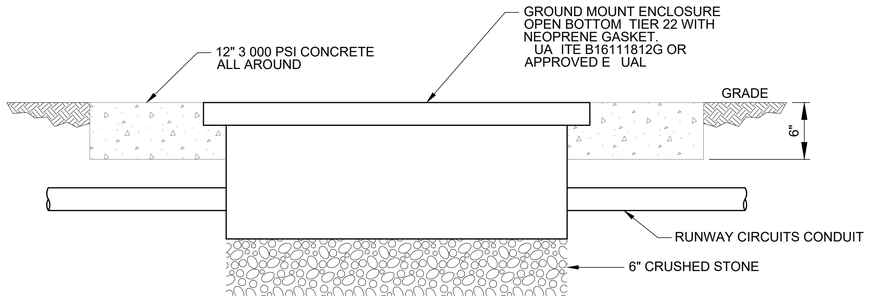


SPLICE KIT HEAT SHRINK DETAIL

N.T.S.

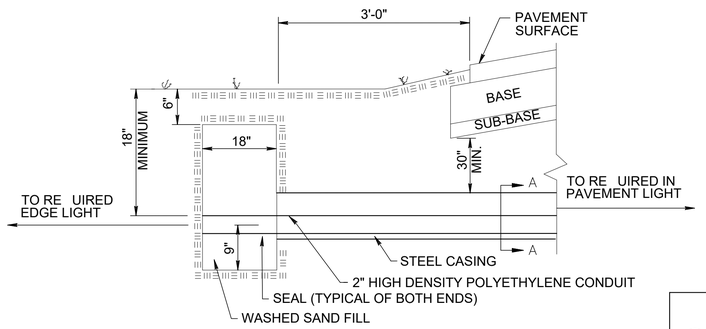
DETAIL NOTE:

1. HEAT SHRINK TUBING RE UIRED ON BOTH ENDS OF L-823 CONNECTORS INCLUDING WHEN USING "COMPLETE KIT" OR "SUPER SPLICE KIT".



JUNCTION BOX DETAIL

N.T.S.

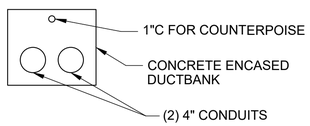


DIRECTIONAL BORE

N.T.S.

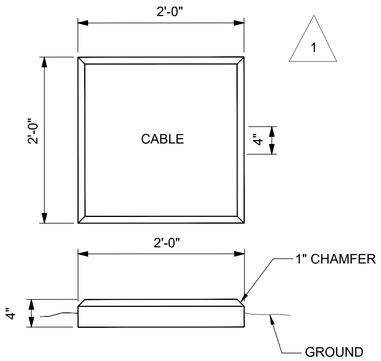
DETAIL NOTES:

1. LEAVE 1/8" POLYPROPYLENE ROPE OR CORD OR 10 GALVANI ED IRON PULL WIRE IN EACH DUCT.
2. SLOPE CONDUIT LINES 3" PER 100' FOR DRAINAGE.
3. THERE SHALL BE NO SPLICES IN CONNECTORS BETWEEN LIGHT FIXTURES OR IN HOMERUN CIRCUIT.
4. ALL UNDERGROUND CABLE SHALL BE INSTALLED IN ACCORDANCE WITH FAA SPECIFICATION L-108.
5. ALL ELECTRICAL DUCTS AND CONDUIT SHALL BE IN ACCORDANCE WITH FAA SPECIFICATION L-110.



SECTION A-A

1-WAY 2" HIGH DENSITY POLYETHYLENE CONDUIT

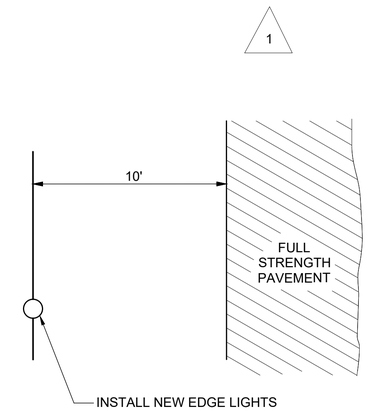


TYPICAL CABLE MARKER

N.T.S.

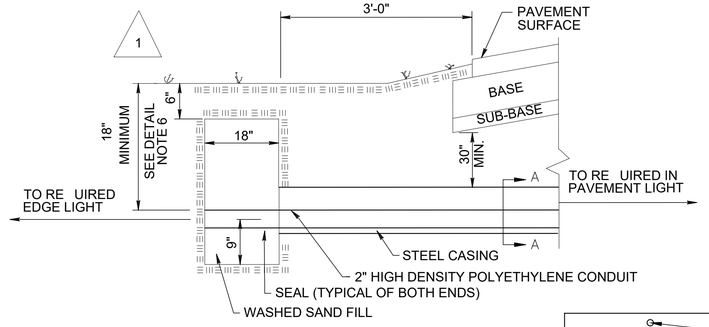
DETAIL NOTES:

1. DUCT MARKER SIMILAR.
2. INSTALL ABOVE DUCT ENDS OF NEW AND EXISTING DUCTS 200' MAX. SPACING ON CABLE OR DUCT RUNS AND AS SHOWN ON PLANS.
3. ANY RE UIRED CABLE MARKERS SHALL BE A SUBSIDIARY OBLIGATION TO PROJECT.



RUNWAY / TAXIWAY EDGE LIGHT LOCATION DETAIL

N.T.S.

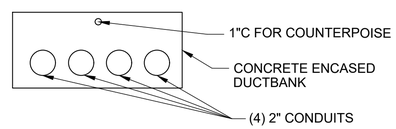


DIRECTIONAL BORE

N.T.S.

DETAIL NOTES:

1. LEAVE 1/8" POLYPROPYLENE ROPE OR CORD OR 10 GALVANI ED IRON PULL WIRE IN EACH DUCT.
2. SLOPE CONDUIT LINES 3" PER 100' FOR DRAINAGE.
3. THERE SHALL BE NO SPLICES IN CONNECTORS BETWEEN LIGHT FIXTURES OR IN HOMERUN CIRCUIT.
4. ALL UNDERGROUND CABLE SHALL BE INSTALLED IN ACCORDANCE WITH FAA SPECIFICATION L-108.
5. ALL ELECTRICAL DUCTS AND CONDUIT SHALL BE IN ACCORDANCE WITH FAA SPECIFICATION L-110.
6. THE MINIMUM STANDARD BORE DEPTH SHALL BE AT 18 INCHES EXCEPT AT THE TAXIWAY LIMA 4 CROSSING ON SHEET 189 d 190 WHERE THE DEPTH SHALL BE A MINIMUM OF 5 FEET. THE CONTRACTOR SHALL ENSURE A SMOOTH AND GRADUAL TRANSITION BETWEEN THESE VARYING DEPTHS.



SECTION A-A

1-WAY 2" HIGH DENSITY POLYETHYLENE CONDUIT



07-16-2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	PER ADDENDUM NO 1	DLH	KWP	KWP	7-16-2025

VOLKERT

9448 Brookline Drive, Baton Rouge, Louisiana 70809
www.volkert.com

TAXIWAY LIMA EXTENSION

LIGHTING ELECTRICAL DETAILS

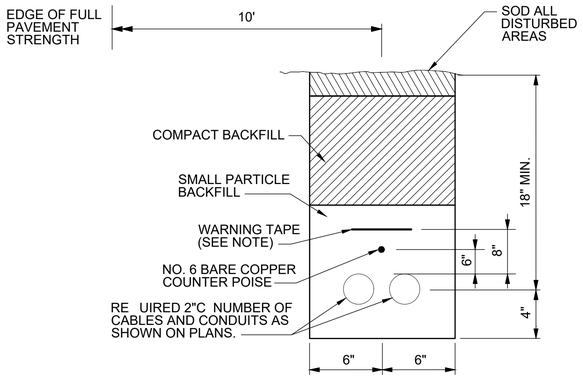
DESIGNED	DLH
DRAWN	PML
CHECKED	JFS
APPROVED	XXX
APPROVED	XXX
DATE	JUNE 2025

SCALE: NONE
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
LS202	196

CADD 03-R4

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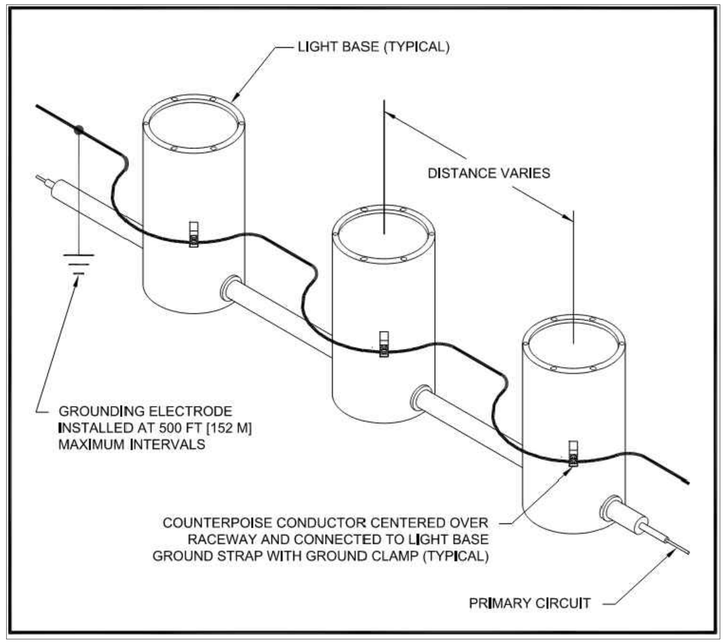


RE UIRED CONDUIT / COUNTERPOISE TRENCH

N.T.S.

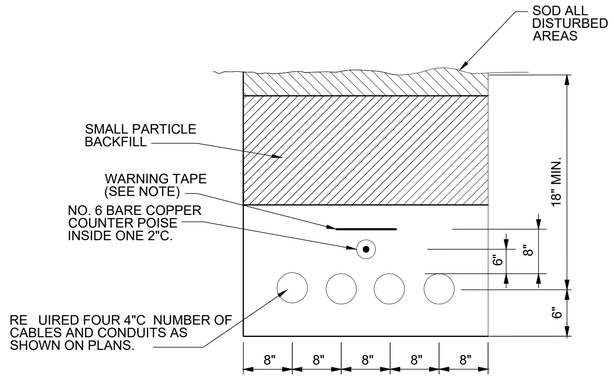
DETAIL NOTES:

1. 4"-6" RED DETECTABLE WARNING TAPE WITH METALI ED FOIL CORE WITH "CAUTION - ELECTRICAL CABLES" PRINTED ON TAPE. NO DIRECT PAYMENT.
2. PAYMENT FOR RE UIRED TRENCH SHALL BE SUBSIDIARY TO PAY ITEM L-110-5.1.
3. THE CONTRACTOR SHALL SOD (BERMUDA) ALL DISTURBED AREAS. RE UIRED SOD SHALL BE SUBSIDIARY TO TRENCHING PAY ITEM L-110-5.1.



E UIPOTENTIAL COUNTERPOISE INSTALLATION DETAIL

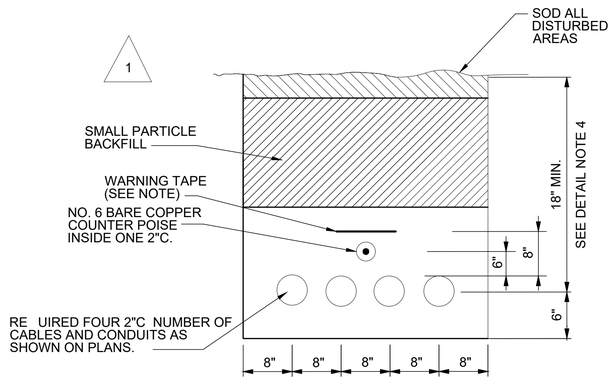
N.T.S.



RE UIRED CONDUIT / COUNTERPOISE TRENCH

DETAIL NOTES: N.T.S.

1. 4"-6" RED DETECTABLE WARNING TAPE WITH METALI ED FOIL CORE WITH "CAUTION - ELECTRICAL CABLES" PRINTED ON TAPE. NO DIRECT PAYMENT.
2. PAYMENT FOR RE UIRED TRENCH SHALL BE SUBSIDIARY TO PAY ITEM L-110-5.1.
3. THE CONTRACTOR SHALL SOD (BERMUDA) ALL DISTURBED AREAS. RE UIRED SOD SHALL BE SUBSIDIARY TO TRENCHING PAY ITEM L-110-5.1.



RE UIRED CONDUIT / COUNTERPOISE TRENCH

DETAIL NOTES: N.T.S.

1. 4"-6" RED DETECTABLE WARNING TAPE WITH METALI ED FOIL CORE WITH "CAUTION - ELECTRICAL CABLES" PRINTED ON TAPE. NO DIRECT PAYMENT.
2. PAYMENT FOR RE UIRED TRENCH SHALL BE SUBSIDIARY TO PAY ITEM L-110-5.1.
3. THE CONTRACTOR SHALL SOD (BERMUDA) ALL DISTURBED AREAS. RE UIRED SOD SHALL BE SUBSIDIARY TO TRENCHING PAY ITEM L-110-5.1.

1 4. THE MINIMUM STANDARD TRENCH DEPTH SHALL BE 18 INCHES EXCEPT AT THE TAXIWAY LIMA CROSS AS SHOWN ON SHEET 188 WHERE THE DEPTH SHALL BE A MINIMUM OF 5 FEET. THE CONTRACTOR SHALL ENSURE A SMOOTH AND GRADUAL TRANSITION BETWEEN THESE VARYING DEPTHS.



07-16-2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	PER ADDENDUM NO 1	DLH	KWP	KWP	7-16-2025

VOLKERT

9448 Brookline Drive, Baton Rouge, Louisiana 70809
www.volkert.com

TAXIWAY LIMA EXTENSION

GENERAL ELECTRICAL DETAILS

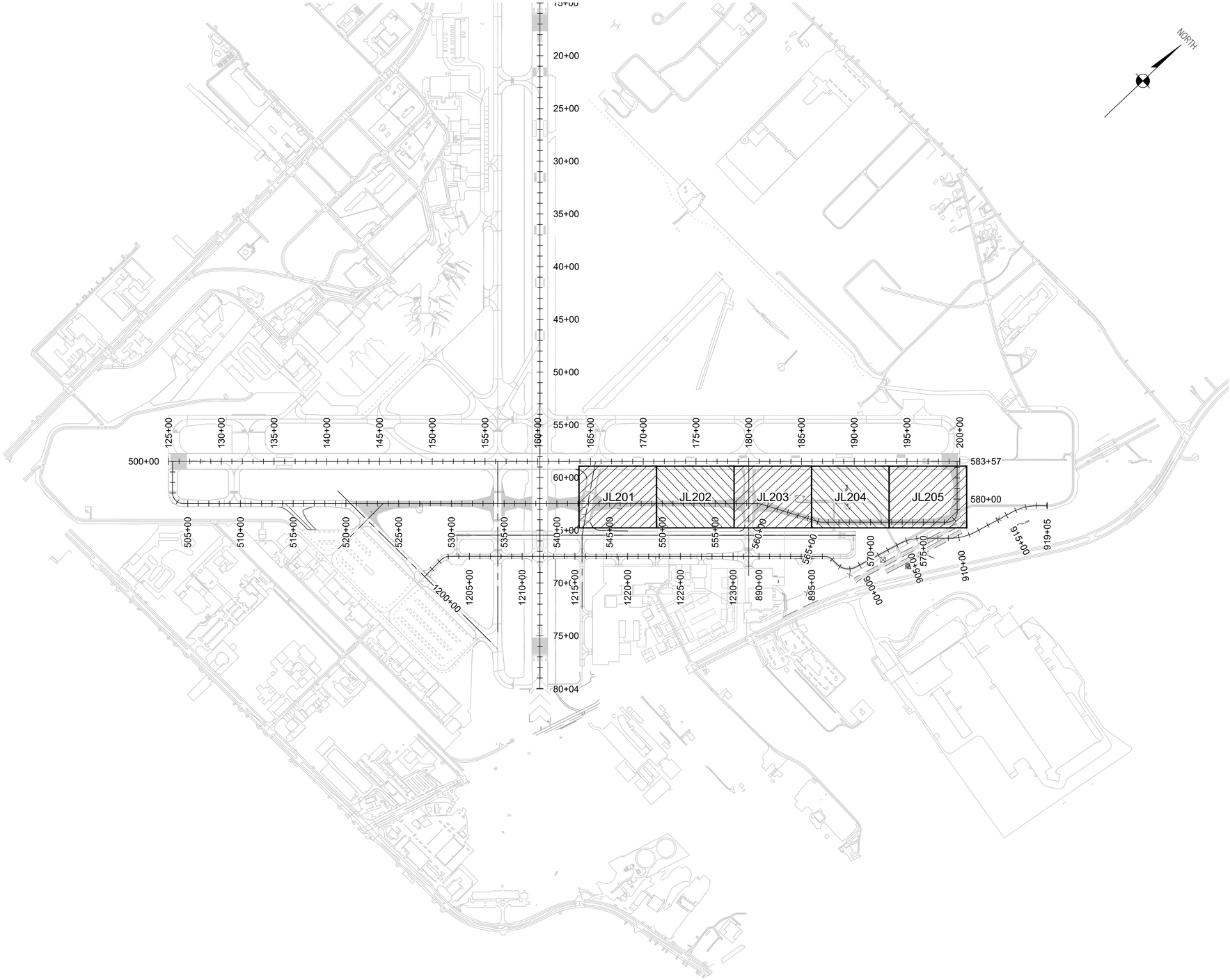
DESIGNED	DLH
DRAWN	PML
CHECKED	JFS
APPROVED	XXX
APPROVED	XXX
DATE	JUNE 2025

SCALE: NONE
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
LS203	197

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CADD D3-R4



STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER

7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

JOINT LAYOUT LOCATION PLAN

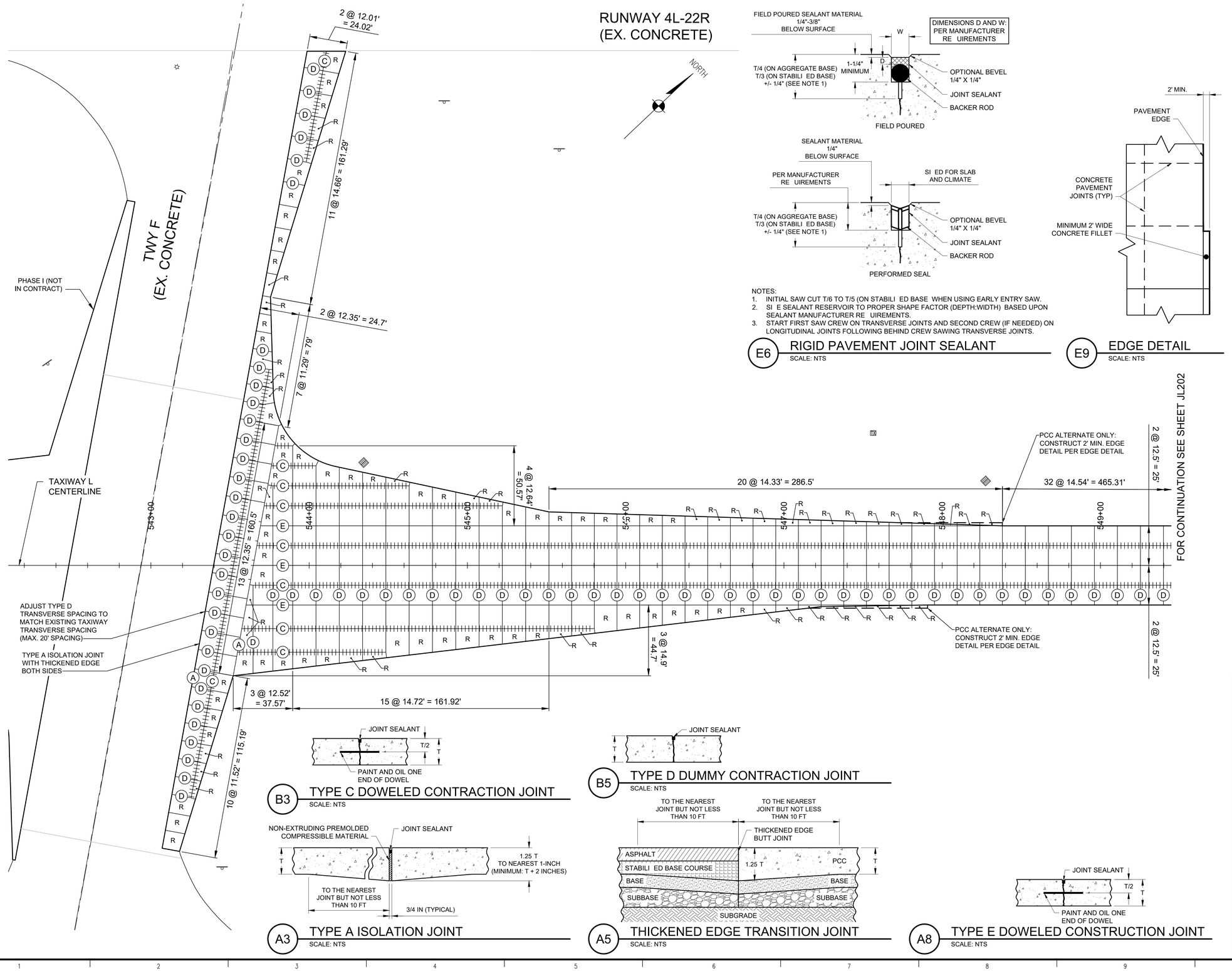
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 500
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
JL200	243

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CADD D3-R4



NOTES:
1. INITIAL SAW CUT T/6 TO T/5 (ON STABILI ED BASE WHEN USING EARLY ENTRY SAW.
2. SI E SEALANT RESERVOIR TO PROPER SHAPE FACTOR (DEPTH:WIDTH) BASED UPON SEALANT MANUFACTURER RE UIREMENTS.
3. START FIRST SAW CREW ON TRANSVERSE JOINTS AND SECOND CREW (IF NEEDED) ON LONGITUDINAL JOINTS FOLLOWING BEHIND CREW SAWING TRANSVERSE JOINTS.

E6 RIGID PAVEMENT JOINT SEALANT
SCALE: NTS

E9 EDGE DETAIL
SCALE: NTS

NOTES:

1. JOINT LAYOUT APPLIES TO PHASE II PCC ALTERNATE ONLY.
2. SEAL ALL JOINTS. JOINT SEAL TO BE PAID UNDER ITEM P-605-5.1 JOINT SEALING FILLER (PER LF).
3. MAXIMUM LONGITUDINAL JOINT SPACING SHALL BE 15-FEET. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 12.5-FEET.
4. NONSTANDARD SHAPED PANELS SHALL BE REINFORCED (SEE LEGEND).

LEGEND:

- (A) TYPE A ISOLATION JOINT (CONCRETE TO CONCRETE)
- (A2) THICKENED EDGE PAVEMENT TYPE TRANSITION JOINT (CONCRETE TO ASPHALT)
- (C) TYPE C DOWELED CONTRACTION JOINT
- (D) TYPE D DUMMY CONTRACTION JOINT
- (E) TYPE E DOWELED CONSTRUCTION JOINT
- R EMBEDDED STEEL 0.05 PERCENT IN BOTH DIRECTIONS WHEN LENGTH-TO-WIDTH RATIO EXCEEDS 1.25 OR IN SLABS THAT ARE NOT RECTANGULAR (6 X 6 - 8/8 WWF)

B3 TYPE C DOWELED CONTRACTION JOINT
SCALE: NTS

B5 TYPE D DUMMY CONTRACTION JOINT
SCALE: NTS

A3 TYPE A ISOLATION JOINT
SCALE: NTS

A5 THICKENED EDGE TRANSITION JOINT
SCALE: NTS

A8 TYPE E DOWELED CONSTRUCTION JOINT
SCALE: NTS

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED JOINT LAYOUT PLAN – AREA 201

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

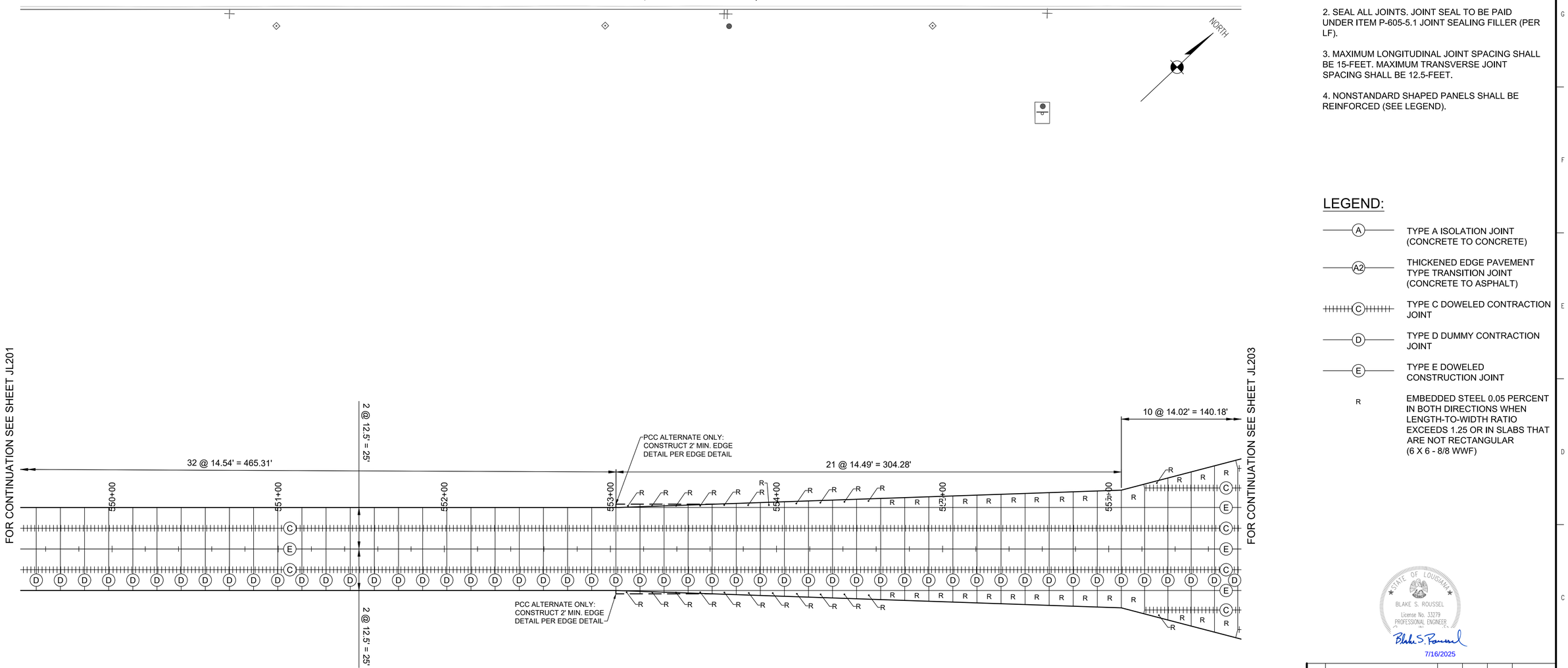
SCALE: 1" = 30'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
JL201	244

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CADD D3-R4

RUNWAY 4L-22R
(EX. CONCRETE)



NOTES:

1. JOINT LAYOUT APPLIES TO PHASE II PCC ALTERNATE ONLY.

2. SEAL ALL JOINTS. JOINT SEAL TO BE PAID UNDER ITEM P-605-5.1 JOINT SEALING FILLER (PER LF).

3. MAXIMUM LONGITUDINAL JOINT SPACING SHALL BE 15-FEET. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 12.5-FEET.

4. NONSTANDARD SHAPED PANELS SHALL BE REINFORCED (SEE LEGEND).

LEGEND:

- (A) — TYPE A ISOLATION JOINT (CONCRETE TO CONCRETE)
- (A2) — THICKENED EDGE PAVEMENT TYPE TRANSITION JOINT (CONCRETE TO ASPHALT)
- (C) — TYPE C DOWELED CONTRACTION JOINT
- (D) — TYPE D DUMMY CONTRACTION JOINT
- (E) — TYPE E DOWELED CONSTRUCTION JOINT
- R — EMBEDDED STEEL 0.05 PERCENT IN BOTH DIRECTIONS WHEN LENGTH-TO-WIDTH RATIO EXCEEDS 1.25 OR IN SLABS THAT ARE NOT RECTANGULAR (6 X 6 - 8/8 WWF)

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED JOINT LAYOUT PLAN – AREA 202

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 30'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

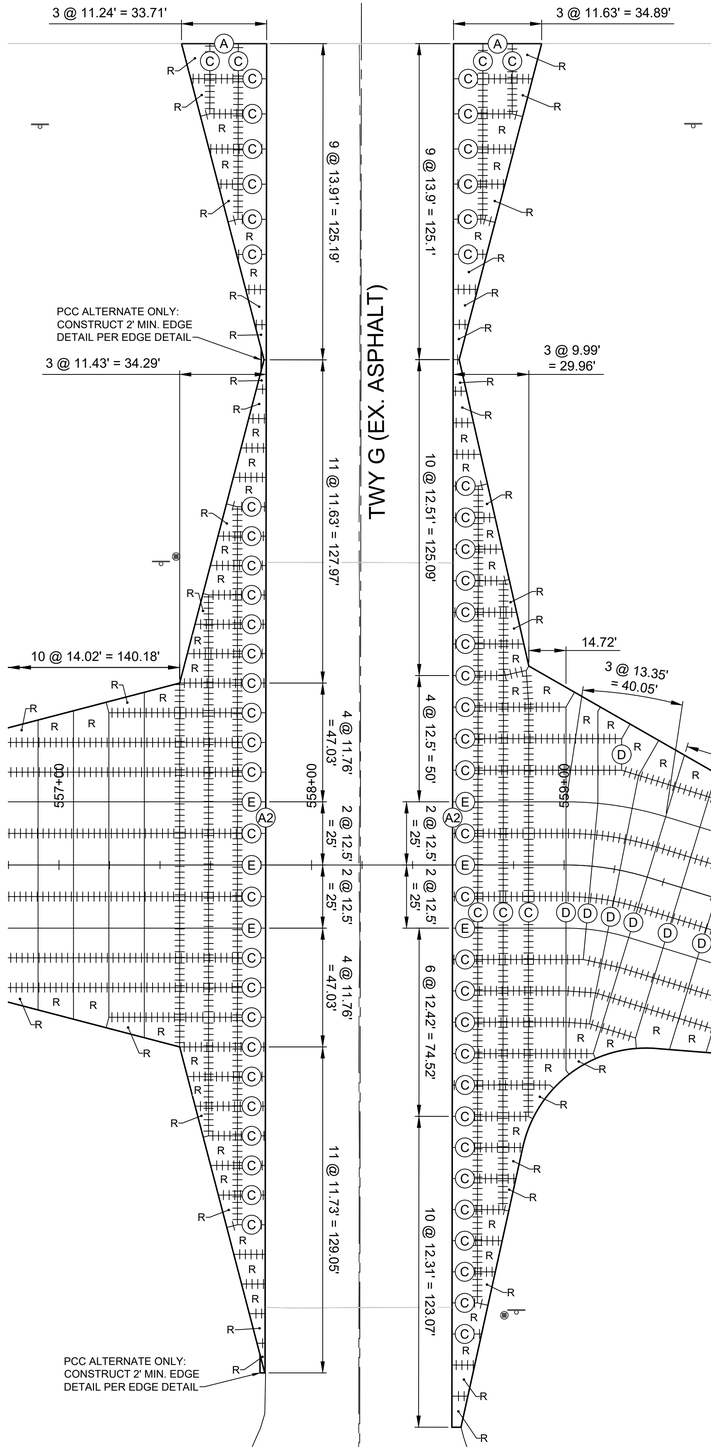
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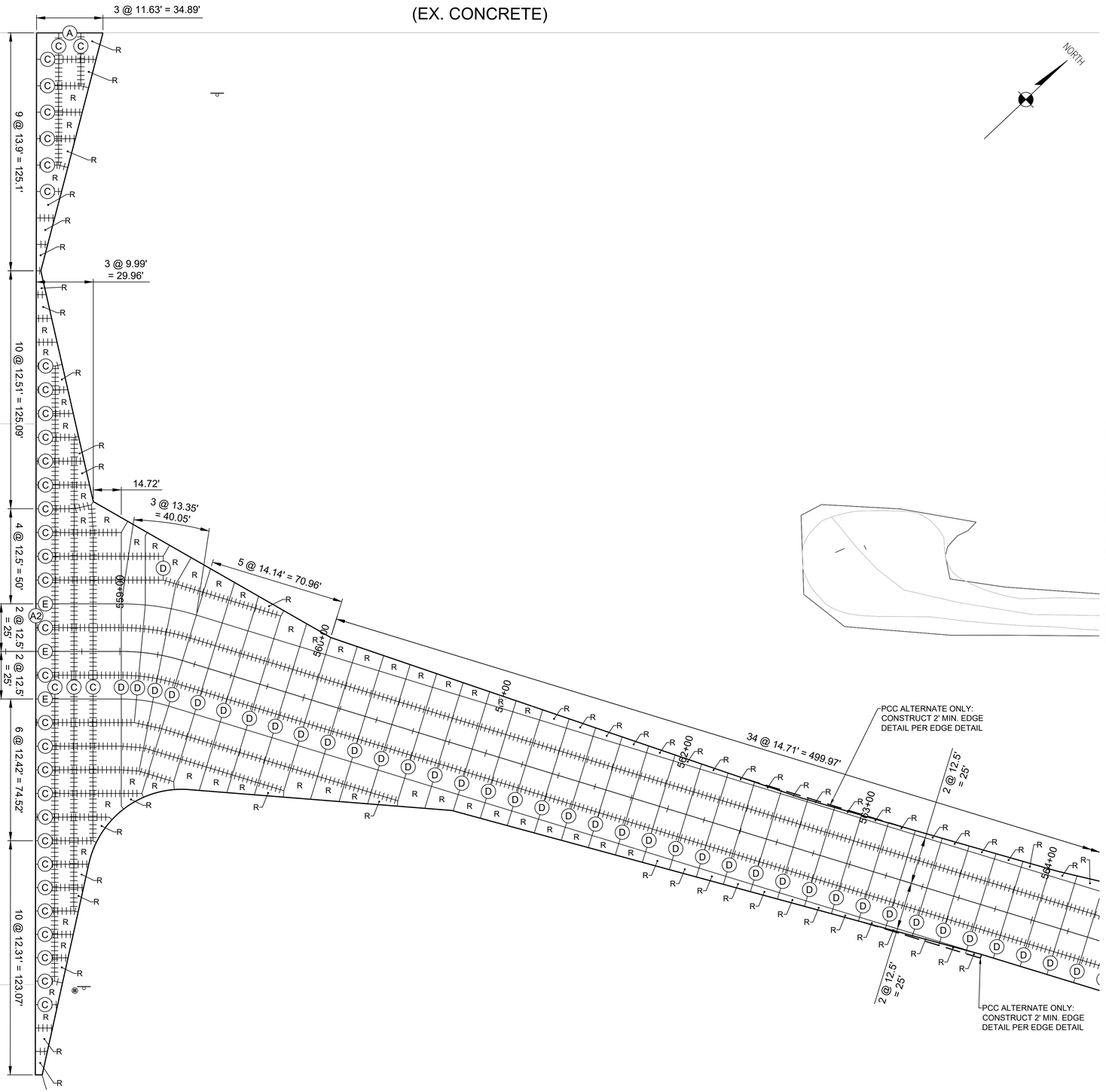
CADD D3-R4

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RUNWAY 4L-22R
(EX. CONCRETE)

TWY G (EX. ASPHALT)





NOTES:

1. JOINT LAYOUT APPLIES TO PHASE II PCC ALTERNATE ONLY.

2. SEAL ALL JOINTS. JOINT SEAL TO BE PAID UNDER ITEM P-605-5.1 JOINT SEALING FILLER (PER LF).

3. MAXIMUM LONGITUDINAL JOINT SPACING SHALL BE 15-FEET. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 12.5-FEET.

4. NONSTANDARD SHAPED PANELS SHALL BE REINFORCED (SEE LEGEND).

LEGEND:

- (A) — TYPE A ISOLATION JOINT (CONCRETE TO CONCRETE)
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- (E) — TYPE E DOWELED CONSTRUCTION JOINT
- R — EMBEDDED STEEL 0.05 PERCENT IN BOTH DIRECTIONS WHEN LENGTH-TO-WIDTH RATIO EXCEEDS 1.25 OR IN SLABS THAT ARE NOT RECTANGULAR (6 X 6 - 8/8 WWF)

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
Blake S. Roussel
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

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www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED JOINT LAYOUT PLAN – AREA 203

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

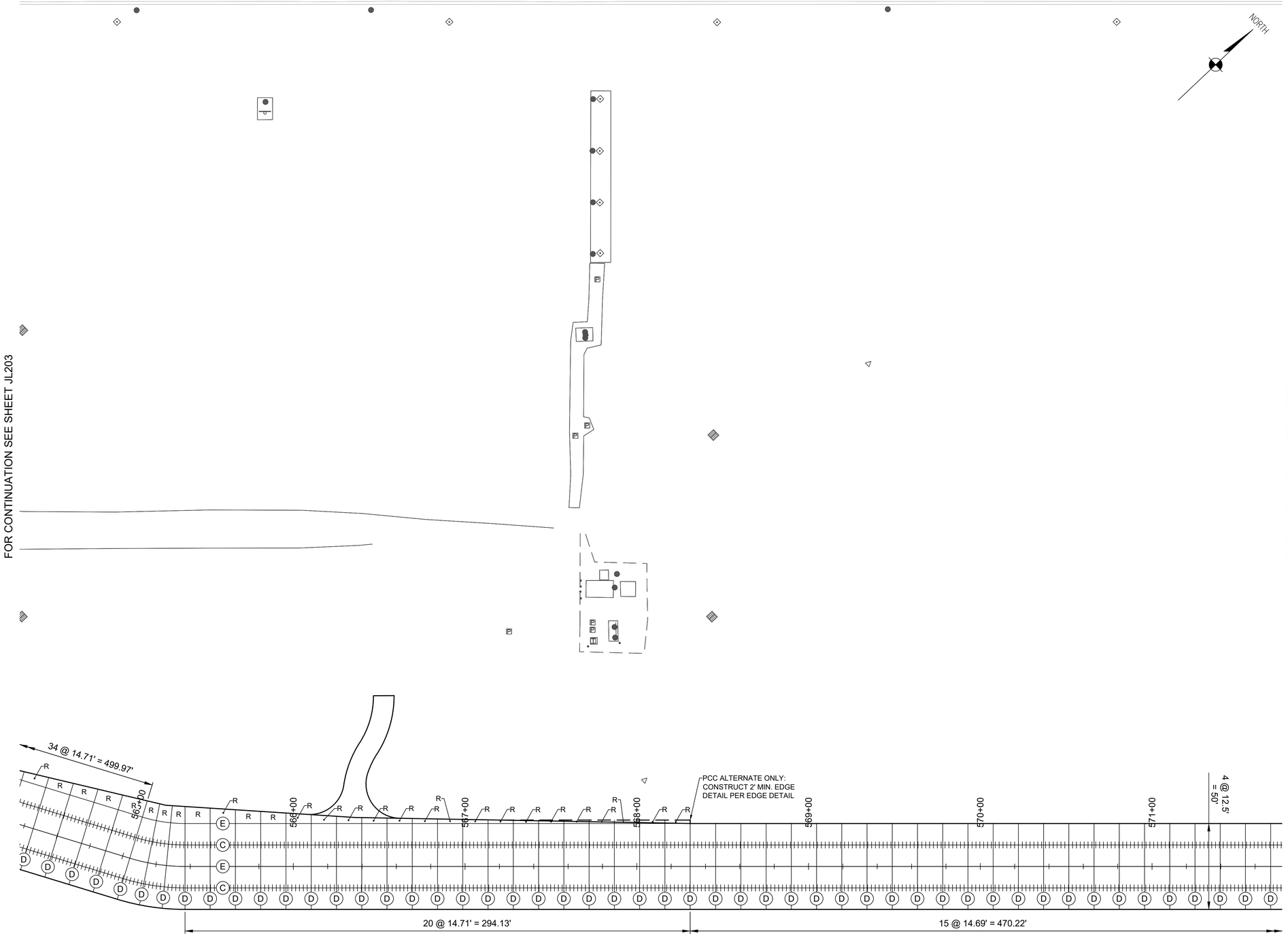
SCALE: 1" = 30'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
JL203	246

CADD D3-R4

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RUNWAY 4L-22R
(EX. CONCRETE)



NOTES:

1. JOINT LAYOUT APPLIES TO PHASE II PCC ALTERNATE ONLY.

2. SEAL ALL JOINTS. JOINT SEAL TO BE PAID UNDER ITEM P-605-5.1 JOINT SEALING FILLER (PER LF).

3. MAXIMUM LONGITUDINAL JOINT SPACING SHALL BE 15-FEET. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 12.5-FEET.

4. NONSTANDARD SHAPED PANELS SHALL BE REINFORCED (SEE LEGEND).

LEGEND:

- (A) — TYPE A ISOLATION JOINT (CONCRETE TO CONCRETE)
- (A2) — THICKENED EDGE PAVEMENT TYPE TRANSITION JOINT (CONCRETE TO ASPHALT)
- (C) — TYPE C DOWELED CONTRACTION JOINT
- (D) — TYPE D DUMMY CONTRACTION JOINT
- (E) — TYPE E DOWELED CONSTRUCTION JOINT
- R — EMBEDDED STEEL 0.05 PERCENT IN BOTH DIRECTIONS WHEN LENGTH-TO-WIDTH RATIO EXCEEDS 1.25 OR IN SLABS THAT ARE NOT RECTANGULAR (6 X 6 - 8/8 WWF)

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED JOINT LAYOUT PLAN – AREA 204

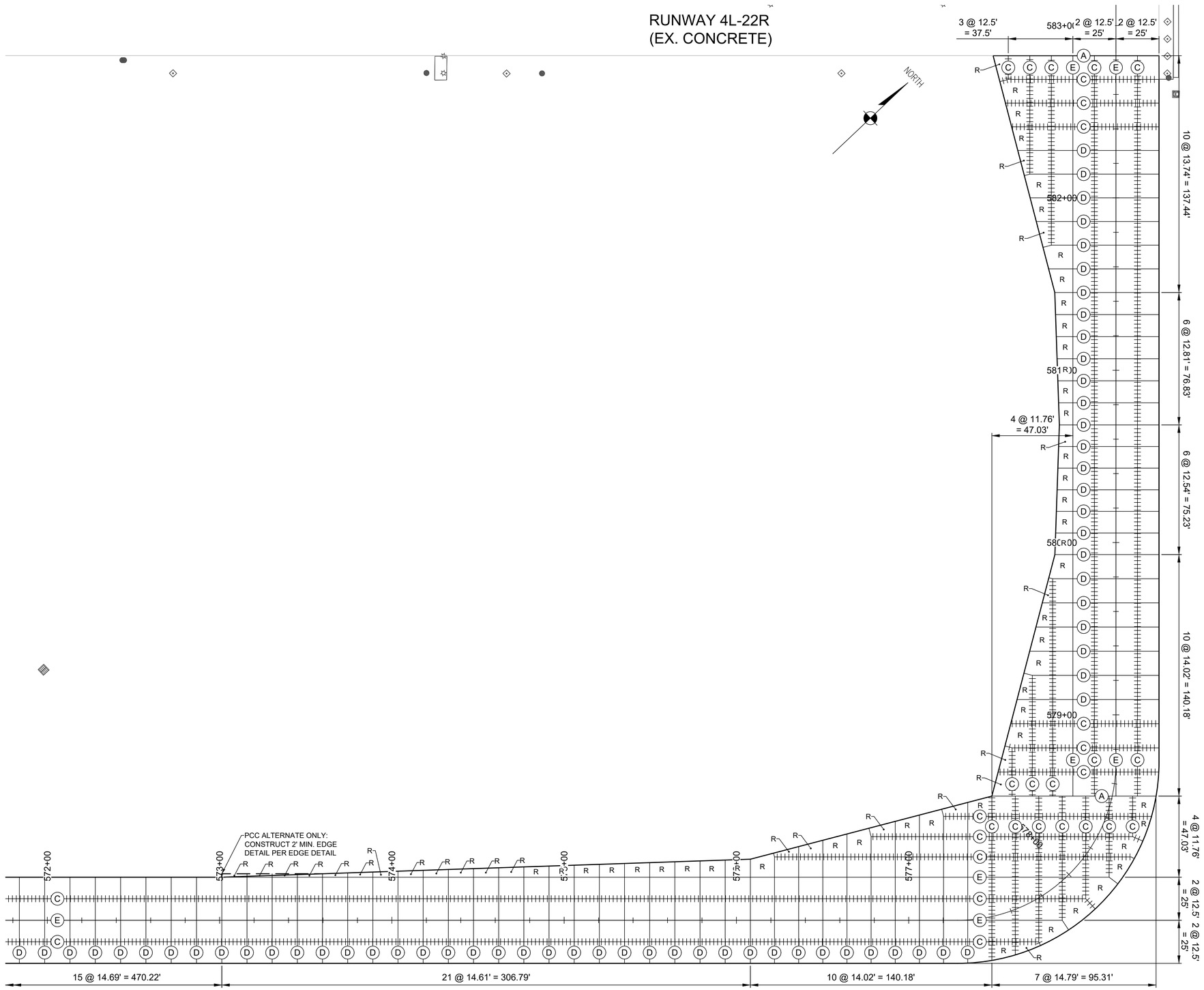
DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 30'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
JL204	247

CADD D3-R4

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FOR CONTINUATION SEE SHEET JL204

NOTES:

1. JOINT LAYOUT APPLIES TO PHASE II PCC ALTERNATE ONLY.

2. SEAL ALL JOINTS. JOINT SEAL TO BE PAID UNDER ITEM P-605-5.1 JOINT SEALING FILLER (PER LF).

3. MAXIMUM LONGITUDINAL JOINT SPACING SHALL BE 15-FEET. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 12.5-FEET.

4. NONSTANDARD SHAPED PANELS SHALL BE REINFORCED (SEE LEGEND).

LEGEND:

- (A) — TYPE A ISOLATION JOINT (CONCRETE TO CONCRETE)
- (A2) — THICKENED EDGE PAVEMENT TYPE TRANSITION JOINT (CONCRETE TO ASPHALT)
- (C) — TYPE C DOWELED CONTRACTION JOINT
- (D) — TYPE D DUMMY CONTRACTION JOINT
- (E) — TYPE E DOWELED CONSTRUCTION JOINT
- R — EMBEDDED STEEL 0.05 PERCENT IN BOTH DIRECTIONS WHEN LENGTH-TO-WIDTH RATIO EXCEEDS 1.25 OR IN SLABS THAT ARE NOT RECTANGULAR (6 X 6 - 8/8 WWF)

STATE OF LOUISIANA
BLAKE S. ROUSSEL
License No. 33279
PROFESSIONAL ENGINEER
7/16/2025

NO.	REVISIONS	DSGN	CHKD	APVD	DATE
1	NEW SHEET	KP	BR	BR	7/15/2025

Stanley Consultants INC.
721 Government Street, Suite 302, Baton Rouge, Louisiana 70802
www.stanleyconsultants.com

TAXIWAY LIMA EXTENSION

ENLARGED JOINT LAYOUT PLAN – AREA 205

DESIGNED A.J.F.
DRAWN K.A.L.
CHECKED B.S.R.
APPROVED N/A
APPROVED N/A
DATE 6/19/2025

SCALE: 1" = 30'
SCI PROJECT NO: 30757.02.00
FINAL PLANS

SHEET ID	SHEET NO
JL205	248

CADD CO3-R4
© STANLEY CONSULTANTS

PHASE II--ENGINEER'S OPINION OF PROBABLE COST--BASE BID (CONCRETE)
TAXIWAY L EXTENSION AND DECOMMISSIONING OF RUNWAY 4R-22L AND TAXIWAY E
ADVERTISEMENT COST ESTIMATE

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	PHASE I COST
TAXIWAY PAVEMENT AND EARTHWORK					
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	$150,000.00	$150,000.00
C-102-5.1c	INSTALLATION AND REMOVAL OF SILT FENCE (CATCH BASIN PROTECTION)	LF	4,018	$2.75	$11,049.50
C-102-5.1e	INSTALLATION AND REMOVAL OF SILT FENCE	LF	5,419	$2.75	$14,902.25
C-105-5.1	MOBILIZATION	LUMP	1	$1,030,000.00	$1,030,000.00
P-101-5.1a	PAVEMENT REMOVAL (GA RUNWAY 4R-22L, TAXIWAY E)	SY	30,831	$14.00	$431,634.00
P-101-5.6a	COLD MILLING (2" DEPTH) (TAXIWAY L)	SY	9,850	$8.00	$78,801.47
P-151-4.2a	CLEARING AND GRUBBING	AC	33	$10,000.00	$327,251.82
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	35,976	$19.00	$683,544.00
P-152-4.2a	EMBANKMENT IN PLACE	CY	9,749	$40.00	$389,960.00
P-153-6.1	CONTROLLED LOW-STRENGTH MATERIAL (CLSM)	CY	70	$150.00	$10,500.00
P-154-5.1	SUBBASE COURSE	CY	16,193	$75.00	$1,214,475.00
P-155-8.1a	LIME TREATED SUBGRADE (10" THICK) (ACCESS DRIVES)	SY	121	$5.25	$635.25
P-155-8.1b	LIME TREATED SUBGRADE (12" THICK) (TAXIWAY)	SY	32,386	$5.25	$170,026.50
P-155-8.2a	LIME (LIME SLURRY ONLY) (ACCESS DRIVES)	TON	2	$450.00	$900.00
P-155-8.2b	LIME (LIME SLURRY ONLY) (TAXIWAY)	TON	614	$450.00	$276,300.00
P-209-5.1a	CRUSHED AGGREGATE BASE COURSE (10" THICK) (RVR DRIVE)	SY	121	$52.00	$6,292.00
P-209-5.1b	CRUSHED AGGREGATE BASE COURSE (6.0" THICK)	SY	32,386	$40.00	$1,295,440.00
P-209-5.2a	SEPARATION GEOTEXTILE	SY	32,386	$4.00	$129,544.00
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	32,386	$45.00	$1,457,370.00
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	32,386	$85.00	$2,752,810.00
P-401-8.1b	ASPHALT SURFACE COURSE (2" THICK) (OVERLAY)	TON	1,084	$120.00	$130,080.00
P-403-8.1c	ASPHALT MIXTURE SURFACE COURSE (2" THICK) (ACCESS DRIVES)	TON	14	$120.00	$1,680.00
P-403-8.1d	ASPHALT MIXTURE BINDER COURSE (2" THICK) (ACCESS DRIVES)	TON	17	$120.00	$2,040.00
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	30,940	$200.00	$6,188,000.00
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	3,000	$4.00	$12,000.00
P-605-5.1	JOINT SEALING FILLER	LF	39,439	$2.00	$78,878.00
P-620-5.1a	SURFACE PREPARATION	SF	46,813	$1.00	$46,813.00
P-620-5.2b-1	RUNWAY AND TAXIWAY MARKING (YELLOW)	SF	7,337	$17.00	$124,729.00
P-620-5.2b-2	RUNWAY AND TAXIWAY MARKING (BLACK)	SF	21,229	$17.00	$360,893.00
P-620-5.3c	REFLECTIVE MEDIA (RUNWAY)	LB	638	$2.00	$1,276.00
P-620-5.4d	TEMPORARY RUNWAY AND TAXIWAY MARKING	LUMP	1	$100,000.00	$100,000.00

PHASE I--ENGINEER'S OPINION OF PROBABLE COST--BASE BID (CONCRETE)
TAXIWAY L EXTENSION AND DECOMMISSIONING OF RUNWAY 4R-22L AND TAXIWAY E
ADVERTISEMENT COST ESTIMATE

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	PHASE I COST
TAXIWAY PAVEMENT AND EARTHWORK (CONTINUED)					
D-705-5.4	6 INCH PIPE (PERFORATED PVC), INCLUDING POROUS BACKFILL AND FILTER FABRIC	LF	8,678	$50.00	$433,900.00
S-1000	CONSTRUCTION SAFETY AND PHASING PLAN	LS	1	$100,000.00	$100,000.00
S-1001	SEEDING (HYDROSEEDING)	AC	22	$2,500.00	$55,000.00
T-904-5.2	SODDING	SY	9,642	$10.00	$96,420.00
T-905-5.1	TOPSOIL (OBTAINED ONSITE OR REMOVED FROM STOCKPILE)	CY	5,865	$15.00	$87,975.00
T-908-5.1	MULCHING	SY	105,567	$0.25	$26,391.75
DRAINAGE, PERIMETER ROAD, PERIMETER FENCE					
P-101-5.1b	PAVEMENT REMOVAL (ASPHALT PAVEMENT AND BASE)	SY	5,015	$14.00	$70,210.00
P-101-5.1c	PAVEMENT REMOVAL (CONCRETE)	SY	157	$14.00	$2,198.00
P-101-5.6b	COLD MILLING (DEPTH VARIES) (GA RUNWAY)	SY	3,110	$8.00	$24,880.00
P-101-5.7	REMOVAL OF EXISTING PIPES AND STRUCTURES	LUMP	1	$125,000.00	$75,000.00
P-151-4.1	CLEARING (REMOVAL OF EXISTING FENCE AND CONCRETE MAINTENANCE PAD)	LUMP	1	$30,780.00	$30,780.00
P-151-4.2b	CLEARING AND GRUBBING (REMOVAL OF GRASS)	AC	4	$10,000.00	$35,000.00
P-152-4.1b	UNCLASSIFIED EXCAVATION	CY	1,400	$19.00	$26,600.00
P-152-4.1c	UNCLASSIFIED EXCAVATION (MUCK)	CY	600	$23.00	$13,800.00
P-152-4.2b	EMBANKMENT IN PLACE (GENERAL)	CY	1,700	$40.00	$68,000.00
P-152-4.2c	EMBANKMENT IN PLACE (SELECT FILL)	CY	850	$50.00	$42,500.00
P-155-8.1c	LIME TREATED SUBGRADE	SY	2,955	$5.25	$15,513.75
P-155-8.2c	LIME (LIME SLURRY ONLY)	TON	42	$450.00	$18,900.00
P-209-5.1c	CRUSHED AGGREGATE BASE COURSE (8" THICK)	SY	2,955	$40.00	$118,200.00
P-209-5.2b	SEPERATION GEOTEXTILE	SY	2,955	$4.00	$11,820.00
P-403-8.1e	ASPHALT MIXTURE SURFACE COURSE (PERIMETER ROAD)	TON	680	$120.00	$81,600.00
P-403-8.1f	ASPHALT MIXTURE BINDER COURSE (PERIMETER ROAD)	TON	645	$120.00	$77,400.00
P-602-5.1a	EMULSIFIED ASPHALT PRIME COAT	GAL	890	$5.00	$4,450.00
P-603-5.1a	EMULSIFIED ASPHALT TACK COAT	GAL	770	$5.00	$3,850.00
P-620-5.2c	MARKING (PERIMETER ROAD)	SF	3,415	$17.00	$58,055.00
P-620-5.3d	REFLECTIVE MEDIA (PERIMETER ROAD)	LB	210	$2.00	$420.00
D-701-5.1	15 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	156	$145.00	$22,620.00
D-701-5.3	36 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	912	$295.00	$269,040.00
D-701-5.4	42 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	1,965	$345.00	$677,925.00
D-701-5.5	48 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	LF	790	$380.00	$300,200.00
D-701-5.6	15 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	240	$160.00	$38,400.00
D-701-5.10	42 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	LF	792	$340.00	$269,280.00
D-751-5.2a	CATCH BASIN - CB-01 (INCLUDES BEDDING & BACKFILL)	EA	4	$6,000.00	$24,000.00
D-751-5.2b	CATCH BASIN - CB-02 (INCLUDES BEDDING & BACKFILL)	EA	13	$7,500.00	$97,500.00
D-751-5.2c	CATCH BASIN - CB-SD02 (INCLUDES BEDDING & BACKFILL)	EA	1	$11,600.00	$11,600.00

PHASE I--ENGINEER'S OPINION OF PROBABLE COST--BASE BID (CONCRETE)
TAXIWAY L EXTENSION AND DECOMMISSIONING OF RUNWAY 4R-22L AND TAXIWAY E
ADVERTISEMENT COST ESTIMATE

DRAINAGE, PERIMETER ROAD, PERIMETER FENCE (CONTINUED)					
ITEM	**DESCRIPTION**	**UNIT**	**TOTAL QUANTITY**	**UNIT PRICE**	**PHASE I COST**
F-162-5.1	CHAIN-LINK FENCE (6 FT HT. W/ 3 STRANDS BARBED WIRE)	LF	1,880	$80.00	$150,400.00
P-610-6.1	CONCRETE (4" THICK) (FENCE MAINTENANCE PAD)	SY	418	$90.00	$37,620.00
S-1002	MARKING (REFLECTORIZED RAISED PAVEMENT MARKERS) (WHITE/WHITE)	EA	72	$10.00	$720.00
S-1003	SECURITY SIGNS	LUMP	1	$7,500.00	$7,500.00
TAXIWAY EDGE LIGHTING AND SIGNING					
L-108-5.1	NO. 8 AWG, 5 KV TYPE C CABLE, INSTALLED IN CONDUIT	LF	14,800	$5.00	$74,000.00
L-108-5.2	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS, INCLUDING GROUND RODS	LF	12,000	$5.00	$60,000.00
L-108-5.3	TEMPORARY COMMUNICATIONS CABLES, INCLUDING ASSOCIATED CABLES, CONDUITS, TRENCHING, BORES, JUNCTION STRUCTURES, AND CONNECTIONS	LS	1	$275,000.00	$275,000.00
L-109-7.1	INSTALLATION OF 5 KW CONSTANT CURRENT REGULATOR IN PLACE AND OPERATIONAL INCLUDING 5KV CUTOUTS	EA	1	$11,000.00	$11,000.00
L-110-5.1	ELECTRICAL CONDUIT, 2" SCHEDULE 40 PVC, TYPE II INSTALLED IN TRENCH	LF	12,000	$4.00	$48,000.00
L-110-5.2	ELECTRICAL CONDUIT, 2" HDPE, JACKED OR BORED UNDER TAXIWAY IN STEEL CASING (STEEL CASING INCLUDED IN THIS ITEM)	LF	500	$20.00	$10,000.00
L-110-5.3	ELECTRICAL DUCT, 4-WAY, 4" AND 1-WAY, 2" HIGH DENSITY POLYETHYLENE CONDUIT, DIRECTIONAL BORE, INSTALLED	LF	100	$125.00	$12,500.00
L-115-5.1	ELECTRICAL JUNCTION CAN, L-867, SIZE B, CLASS 1, COMPLETE, IN PLACE	EA	8	$2,000.00	$16,000.00
L-115-5.2	ELECTRICAL JUNCTION CAN, L-868, SIZE D, CLASS 1, COMPLETE, IN PLACE	EA	2	$2,700.00	$5,400.00
L-125-5.1	MEDIUM INTENSITY TAXIWAY EDGE LIGHT (L-861T), WITH BLUE LENS, LED LAMP, 10/15 WATT TRANSFORMER, BASE MOUNTED, IN PLACE	EA	127	$1,200.00	$152,400.00
L-125-5.2	SIGN L-858, SIZE 2, 1-PANEL, REQUIRED CONCRETE BASE	EA	4	$6,000.00	$24,000.00
L-125-5.3	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE	EA	7	$6,000.00	$42,000.00
L-125-5.5	SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE, UNLIGHTED	EA	1	$5,000.00	$5,000.00
L-125-5.6	REPLACE EXISTING SIGN PANEL, COMPLETE, IN PLACE	EA	6	$1,000.00	$6,000.00
L-125-5.7	REMOVE EXISTING RUNWAY & TAXIWAY ELECTRICAL SYSTEMS	LUMP	1	$18,000.00	$18,000.00
L-125-5.8	ELECTRICAL TESTING AND UPDATE ALCS	LUMP	1	$20,000.00	$20,000.00
L-125-5.9	CONNECT TO EXISTING CIRCUIT	LUMP	1	$2,000.00	$2,000.00
PHASE II CONSTRUCTION TOTAL =					$21,654,793.28

PHASE II--ENGINEER'S OPINION OF PROBABLE COST--ALTERNATE 1 (ASPHALT)
TAXIWAY L EXTENSION AND DECOMMISSIONING OF RUNWAY 4R-22L AND TAXIWAY E
ADVERTISEMENT COST ESTIMATE

ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	PHASE I COST
	TAXIWAY PAVEMENT AND EARTHWORK				
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	-9,744	$19.00	-$185,136.00
P-152-4.2a	EMBANKMENT IN PLACE	CY	115	$40.00	$4,600.00
P-306-8.1	LEAN CONCRETE BASE COURSE	SY	-32,386	$45.00	-$1,457,370.00
P-307	CEMENT TREATED PERMEABLE BASE COURSE	SY	-32,386	$85.00	-$2,752,810.00
P-401-8.1a	ASPHALT SURFACE COURSE (2.0" THICK)	TON	3,404	$200.00	$680,800.00
P-403-8.1a	ASPHALT MIXTURE BINDER COURSE (2.0" THICK)	TON	3,457	$175.00	$604,975.00
P-403-8.1b	ASPHALT BASE COURSE COURSE (5.0" THICK)	TON	8,907	$155.00	$1,380,585.00
P-407-8.1	ASPHALT TREATED PERMEABLE BASE COURSE (ATPB) (6" THICK)	SY	32,386	$40.00	$1,295,440.00
P-501-8.1	CONCRETE PAVEMENT (9" THICK)	SY	-30,940	$200.00	-$6,188,000.00
P-602-5.1b	EMULSIFIED ASPHALT PRIME COAT	GAL	9,427	$5.00	$47,135.00
P-603-5.1b	EMULSIFIED ASPHALT TACK COAT	GAL	10,548	$5.00	$52,740.00
P-604-6.1	COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	LF	-3,000	$4.00	-$12,000.00
P-605-5.1	JOINT SEALING FILLER	LF	-39,439	$2.00	-$78,878.00
PHASE II CONSTRUCTION TOTAL =					-$6,607,919.00

LOUISIANA UNIFORM PUBLIC WORK BID FORM

UNIT PRICE FORM

TO: City of Baton Rouge
Parish of East Baton Rouge
Purchasing Division
Room 826, City Hall
222 St. Louis Street
Baton Rouge, Louisiana 70802

BID FOR: Baton Rouge Metropolitan Airport
Taxiway L Extension and Decommissioning of Runway 4R-22L & Taxiway E - Phase II

A.I.P. No. X-XX-XXXX-XXX-XXXX
S.P. No. H.XXXXXX

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
C-100	1	LS		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		INSTALLATION AND REMOVAL OF SILT FENCE (CATCH BASIN PROTECTION)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
C-102-5.1c	4,018	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		INSTALLATION AND REMOVAL OF SILT FENCE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
C-102-5.1e	5,419	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		MOBILIZATION	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
C-105-5.1	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		PAVEMENT REMOVAL (GA RUNWAY 4R-22L, TAXIWAY E)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.1a	30,831	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		COLD MILLING (2" DEPTH) (TAXIWAY L)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.6a	9,850	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CLEARING AND GRUBBING	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-151-4.2a	33	AC		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		UNCLASSIFIED EXCAVATION	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.1a	35,976	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		EMBANKMENT IN PLACE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.2a	9,749	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONTROLLED LOW-STRENGTH MATERIAL (CLSM)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-153-6.1	70	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SUBBASE COURSE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-154-5.1	16,193	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME TREATED SUBGRADE (10" THICK) (ACCESS DRIVES)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.1a	121	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME TREATED SUBGRADE (12" THICK) (TAXIWAY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.1b	32,386	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME (LIME SLURRY ONLY) (ACCESS DRIVES)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.2a	2	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME (LIME SLURRY ONLY) (TAXIWAY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.2b	614	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CRUSHED AGGREGATE BASE COURSE (10" THICK) (RVR DRIVE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-209-5.1a	121	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CRUSHED AGGREGATE BASE COURSE (6.0" THICK)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-209-5.1b	32,386	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SEPARATION GEOTEXTILE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-209-5.2a	32,386	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LEAN CONCRETE BASE COURSE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-306-8.1	32,386	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CEMENT TREATED PERMEABLE BASE COURSE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-307	32,386	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ASPHALT SURFACE COURSE (2" THICK) (OVERLAY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-401-8.1b	1,084	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ASPHALT MIXTURE SURFACE COURSE (2" THICK) (ACCESS DRIVES)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-403-8.1c	14	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ASPHALT MIXTURE BINDER COURSE (2" THICK) (ACCESS DRIVES)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-403-8.1d	17	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONCRETE PAVEMENT (9" THICK)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-501-8.1	30,940	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		COMPRESSION JOINT SEALS FOR CONCRETE PAVEMENTS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-604-6.1	3,000	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		JOINT SEALING FILLER	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-605-5.1	39,439	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SURFACE PREPARATION	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.1a	46,813	SF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		RUNWAY AND TAXIWAY MARKING (YELLOW)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.2b-1	7,337	SF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		RUNWAY AND TAXIWAY MARKING (BLACK)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.2b-2	21,229	SF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		REFLECTIVE MEDIA (RUNWAY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.3c	638	LB		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		TEMPORARY RUNWAY AND TAXIWAY MARKING	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.4d	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		6 INCH PIPE (PERFORATED PVC), INCLUDING POROUS BACKFILL AND FILTER FABRIC	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-705-5.4	8,678	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONSTRUCTION SAFETY AND PHASING PLAN	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
S-1000	1	LS		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SEEDING (HYDROSEEDING)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
S-1001	22	AC		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SODDING	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
T-904-5.2	9,642	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		TOPSOIL (OBTAINED ONSITE OR REMOVED FROM STOCKPILE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
T-905-5.1	5,865	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		MULCHING	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
T-908-5.1	105,567	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		PAVEMENT REMOVAL (ASPHALT PAVEMENT AND BASE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.1b	5,015	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		PAVEMENT REMOVAL (CONCRETE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.1c	157	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		COLD MILLING (DEPTH VARIES) (GA RUNWAY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.6b	3,110	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		REMOVAL OF EXISTING PIPES AND STRUCTURES	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-101-5.7	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CLEARING (REMOVAL OF EXISTING FENCE AND CONCRETE MAINTENANCE PAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-151-4.1	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CLEARING AND GRUBBING (REMOVAL OF GRASS)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-151-4.2b	4	AC		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		UNCLASSIFIED EXCAVATION	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.1b	1,400	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		UNCLASSIFIED EXCAVATION (MUCK)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.1c	600	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		EMBANKMENT IN PLACE (GENERAL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.2b	1,700	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		EMBANKMENT IN PLACE (SELECT FILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-152-4.2c	850	CY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME TREATED SUBGRADE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.1c	2,955	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		LIME (LIME SLURRY ONLY)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-155-8.2c	42	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CRUSHED AGGREGATE BASE COURSE (8" THICK)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-209-5.1c	2,955	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SEPERATION GEOTEXTILE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-209-5.2b	2,955	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ASPHALT MIXTURE SURFACE COURSE (PERIMETER ROAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-403-8.1e	680	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ASPHALT MIXTURE BINDER COURSE (PERIMETER ROAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-403-8.1f	645	TON		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		EMULSIFIED ASPHALT PRIME COAT	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-602-5.1a	890	GAL		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		EMULSIFIED ASPHALT TACK COAT	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-603-5.1a	770	GAL		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		MARKING (PERIMETER ROAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.2c	3,415	SF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		REFLECTIVE MEDIA (PERIMETER ROAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-620-5.3d	210	LB		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		15 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.1	156	LF		
DESCRIPTION:	X Base Bid or ☐ Alt.# _____		36 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.3	912	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		42 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.4	1,965	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		48 INCH RCP (CLASS IV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.5	790	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		15 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.6	240	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		42 INCH RCPA (CLASS AIV) (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-701-5.10	792	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CATCH BASIN - CB-01 (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-751-5.2a	4	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CATCH BASIN - CB-02 (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-751-5.2b	13	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CATCH BASIN - CB-SD02 (INCLUDES BEDDING & BACKFILL)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
D-751-5.2c	1	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CHAIN-LINK FENCE (6 FT HT. W/ 3 STRANDS BARBED WIRE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
F-162-5.1	1,880	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONCRETE (4" THICK) (FENCE MAINTENANCE PAD)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
P-610-6.1	418	SY		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		MARKING (REFLECTORIZED RAISED PAVEMENT MARKERS) (WHITE/WHITE)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
S-1002	72	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SECURITY SIGNS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
S-1003	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		NO. 8 AWG, 5 KV TYPE C CABLE, INSTALLED IN CONDUIT	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-108-5.1	14,800	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS, INCLUDING GROUND RODS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-108-5.2	12,000	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		TEMPORARY COMMUNICATIONS CABLES, INCLUDING ASSOCIATED CABLES, CONDUITS, TRENCHING, BORES, JUNCTION STRUCTURES, AND CONNECTIONS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-108-5.3	1	LS		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		INSTALLATION OF 5 KW CONSTANT CURRENT REGULATOR IN PLACE AND OPERATIONAL INCLUDING 5KV CUTOUTS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-109-7.1	1	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL CONDUIT, 2" SCHEDULE 40 PVC, TYPE II INSTALLED IN TRENCH	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-110-5.1	12,000	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL CONDUIT, 2" HDPE, JACKED OR BORED UNDER TAXIWAY IN STEEL CASING (STEEL CASING INCLUDED IN THIS ITEM)	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-110-5.2	500	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL DUCT, 4-WAY, 4" AND 1-WAY, 2" HIGH DENSITY POLYETHYLENE CONDUIT, DIRECTIONAL BORE, INSTALLED	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-110-5.3	100	LF		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL JUNCTION CAN, L-867, SIZE B, CLASS 1, COMPLETE, IN PLACE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-115-5.1	8	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL JUNCTION CAN, L-868, SIZE D, CLASS 1, COMPLETE, IN PLACE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-115-5.2	2	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		MEDIUM INTENSITY TAXIWAY EDGE LIGHT (L-861T), WITH BLUE LENS, LED LAMP, 10/15 WATT TRANSFORMER, BASE MOUNTED, IN PLACE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.1	127	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SIGN L-858, SIZE 2, 1-PANEL, REQUIRED CONCRETE BASE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.2	4	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.3	7	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		SIGN L-858, SIZE 2, 2-PANEL, REQUIRED CONCRETE BASE, UNLIGHTED	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.5	1	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		REPLACE EXISTING SIGN PANEL, COMPLETE, IN PLACE	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.6	6	EA		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		REMOVE EXISTING RUNWAY & TAXIWAY ELECTRICAL SYSTEMS	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.7	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		ELECTRICAL TESTING	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.8	1	LUMP		

DESCRIPTION:	X Base Bid or ☐ Alt.# _____		CONNECT TO EXISTING CIRCUIT	
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
L-125-5.9	1	LUMP		

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

The contract time (stated in the proposal) is based on the originally estimated quantities as described in the subsection 20-05 titled INTERPRETATION OF ESTIMATED PROPOSAL QUANTITIES of Section 20. Should the satisfactory completion of the contract require performance of work in greater quantities than those estimated in the proposal, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in contract time shall not consider either the cost of work or the extension of contract time that has been covered by change order or supplemental agreement and shall be made at the time of final payment.

b. Contract Time based on calendar days shall consist of the number of calendar days stated in the contract counting from the effective date of the notice to proceed and including all Saturdays, Sundays, holidays, and non-work days. All calendar days elapsing between the effective dates of the Owner's orders to suspend and resume all work, due to causes not the fault of the Contractor, shall be excluded.

   At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

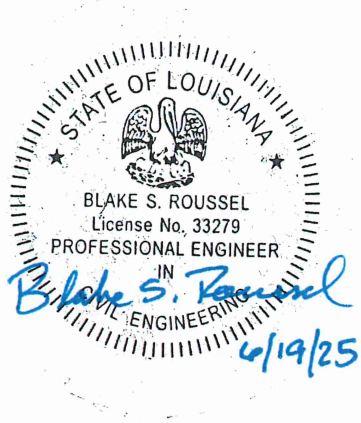
c. When the contract time is a specified completion date, it shall be the date on which all contract work shall be substantially complete.

   If the Contractor finds it impossible for reasons beyond his or her control to complete the work within the contract time as specified, or as extended in accordance with the provisions of this subsection, the Contractor may, at any time prior to the expiration of the contract time as extended, make a written request to the Owner for an extension of time setting forth the reasons which the Contractor believes will justify the granting of his or her request. Requests for extension of time on calendar day projects, caused by inclement weather, shall be supported with National Weather Bureau data showing the actual amount of inclement weather exceeded what could normally be expected during the contract period. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the supporting documentation justify the work was delayed because of conditions beyond the control and without the fault of the Contractor, the Owner or Program Manager may extend the time for completion by a change order that adjusts the contract time or completion date. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion. An increase in the Contract time due to weather shall not be cause for an increase in the contract amount.

80-08 Failure to complete on time. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in the subsection 80-07 titled DETERMINATION AND EXTENSION OF CONTRACT TIME of this Section) the sum specified in the contract and proposal as liquidated damages will be deducted from any money due or to become due the Contractor or his or her surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages including but not limited to additional Program Managering services that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in their contract.

Schedule	Liquidated Damages Cost	Allowed Construction Time
Taxiway Lima Extension and Decommissioning of Rwy 4R-22L & Twy E – Phase II	$2,000.00/day	585 Days

The maximum construction time allowed for Schedules [Taxiway Lima Extension and Decommissioning of Rwy 4R-22L & Twy E – Phase II] will be the sum of the time allowed for individual schedules but not more than [585 calendar] days. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a wavier on the part of the Owner of any of its rights under the contract.





Stanley Consultants INC.

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6-19-25

Item P-155 Lime-Treated Subgrade

DESCRIPTION

155-1.1 This item shall be used for soil modification that require strength gain to a specific level. This item shall consist of constructing one or more courses of a mixture of soil, lime, and water in accordance with this specification, and in conformity with the lines, grades, thicknesses, and typical cross-sections shown on the plans.

MATERIALS

155-2.1 Lime. Quicklime, hydrated lime, and either high-calcium dolomitic, or magnesium lime, as defined by ASTM C51, shall conform to the requirements of ASTM C977. Lime not produced from calcining limestone is not permitted.

155-2.2 Commercial lime slurry. Commercial lime slurry shall be a pumpable suspension of solids in water. The water or liquid portion of the slurry shall not contain dissolved material injurious or objectionable for the intended purpose. The solids portion of the mixture, when considered on the basis of "solids content," shall consist principally of hydrated lime of a quality and fineness sufficient to meet the following chemical composition and residue requirements.

a. Chemical composition. The "solids content" of the lime slurry shall consist of a minimum of 70%, by weight, of calcium and magnesium oxides.

b. Residue. The percent by weight of residue retained in the "solids content" of lime slurry shall conform to the following requirements:

- Residue retained on a No. 6 (3.35 µm) sieve = maximum 0.0%
- Residue retained on a No. 10 (2.00 µm) sieve = maximum 1.0%
- Residue retained on a No. 30 (600 µm) sieve = maximum 2.5%

c. Grade. Commercial lime slurry shall conform to one of the following two grades:

- Grade 1. The "dry solids content" shall be at least 31% by weight, of the slurry.
- Grade 2. The "dry solids content" shall be at least 35%, by weight, of the slurry.

155-2.3 Water. Water used in mixing or curing shall be from potable water sources. Other sources shall be tested in accordance with ASTM C1602 prior to use.

155-2.4 Soil. The soil for this work shall consist of on-site materials free of roots, sod, weeds, and stones larger than 2-1/2 inches (60 mm) and have a sulfate content of less than 0.3%.

COMPOSITION

155-3.1 Soil-lime mixture. Lime shall be applied at 12% by volume of soil for the depth of subgrade treatment as shown on the plans.

155-3.2 Tolerances. At final compaction, the lime and water content for each course of subgrade treatment shall conform to the following tolerances:

Tolerances

Material	Tolerance
Lime	+ 0.5%
Water	+ 2%, -0%

WEATHER LIMITATIONS

155-4.1 Weather limitation. Subgrade shall not be constructed when weather conditions detrimentally affect the quality of the materials. Lime shall not be applied unless the air temperature is at least 40°F (4°C) and rising. Lime shall not be applied to soils that are frozen or contain frost. Protect completed lime-treated areas by approved methods against the detrimental effects of freezing if the air temperature falls below 35°F (2°C). Remove and replace any damaged portion of the completed soil-lime treated area with new soil-lime material in accordance with this specification.

EQUIPMENT

155-5.1 Equipment. All equipment necessary to grade, scarify, spread, mix and compact the material shall be provided. The Resident Project Representative (RPR) must approve the Contractor's proposed equipment prior to the start of the treatment.

CONSTRUCTION METHODS

155-6.1 General. This specification is to construct a subgrade consisting of a uniform lime mixture which shall be free from loose or segregated areas. The subgrade shall be of uniform density and moisture content, well mixed for its full depth, and have a smooth surface suitable for placing subsequent lifts. The Contractor shall be responsible to meet the above requirements.

Prior to any treatment, the subgrade shall be constructed as specified in Item P-152, Excavation, Subgrade and Embankment, and shaped to conform to the typical sections, lines, and grades as shown on the plans.

The mixing equipment must give visible indication at all times that it is cutting, pulverizing, and mixing the material uniformly to the proper depth over the full width of the cut.

155-6.2 Application. Lime shall be uniformly spread only over an area where the initial mixing operations can be completed during the same work day. Lime shall not be applied when wind conditions are detrimental to proper application. A motor grader shall not be used to spread the lime. Adequate moisture shall be added to the cement/soil mixture to maintain the proper moisture content. Materials shall be handled, stored, and applied in accordance with all federal, state, and local requirements.

155-6.3 Mixing. The mixing procedure shall be as described below:

a. Preliminary mixing. The full depth of the treated subgrade shall be mixed with an approved mixing machine. Lime shall not be left exposed for more than six (6) hours. The mixing machine shall make two coverages. Water shall be added to the subgrade during mixing to provide a moisture content approximately 3% to 5% above the optimum moisture of the material and to ensure chemical reaction of the lime and subgrade. After mixing, the subgrade shall be lightly rolled to seal the surface and help prevent evaporation of moisture. The water content of the subgrade mixture shall be maintained at a

moisture content above the optimum moisture content for a minimum of 4 to 24 hours or until the material becomes friable. During the mellowing period, the material shall be sprinkled as directed by the RPR.

b. Final mixing. After the required mellowing time, the material shall be uniformly mixed by approved methods. Any clods shall be reduced in size by blading, discing, harrowing, scarifying, or by the use of other approved pulverization methods. After curing, pulverize lime treated material until 100% of soil particles pass a one-inch (25.0 mm) sieve and 60% pass the No. 4 (4.75 mm) sieve when tested dry by laboratory sieves. If resultant mixture contains clods, reduce their size by scarifying, remixing, or pulverization to meet specified gradation.

155-6.4 Control Strip. The first half-day of construction shall be considered the control strip. The Contractor shall demonstrate, in the presence of the RPR, that the materials, equipment, and construction processes meet the requirements of the specification. The sequence and manner of rolling necessary to obtain specified density requirements shall be determined. Control strips that do not meet specification requirements shall be reworked, re-compacted, or removed and replaced at the Contractor's expense. Full operations shall not continue until the control strip has been accepted by the RPR. Upon acceptance of the control strip by the RPR, the Contractor shall use the same equipment, materials, and construction methods for the remainder of construction, unless adjustments made by the Contractor are approved in advance by the RPR.

155-6.5 Treatment Application and Depth Checks. The depth and amount of stabilization shall be measured by the Contractor with no less than 2 tests per day of material placed; test shall be witnessed by the RPR. Measurements shall be made in test holes excavated to show the full depth of mixing and the pH checked by spraying the side of the test hole with a pH indicator such as phenolphthalein. Phenolphthalein changes from clear to red between pH 8.3 and 10. The color change indicates the location of the bottom of the mixing zone. pH indicators other than phenolphthalein can be used to measure pH levels. If the pH is not at least 8.3 and/or if the depth of the treated subgrade is more than 1/2 inch (12 mm) deficient, additional lime treatment shall be added and the material remixed. The Contractor shall correct all such areas in a manner satisfactory to the RPR.

155-6.6 Compaction. Compaction of the mixture shall immediately follow the final mixing operation with the mixture compacted within 1 to 4 hours after final mixing. The material shall be at the moisture content specified in paragraph 155-3.2 during compaction. The field density of the compacted mixture shall be at least 95% of the maximum density as specified in paragraph 155-6.10. Perform in-place density test to determine degree of compaction between 24 and 72 hours after final compaction and the 24-hour moist cure period. If the material fails to meet the density requirements, it shall be reworked to meet the density requirements. Maximum density refers to maximum dry density at optimum moisture content unless otherwise specified.

155-6.7 Finishing and curing. After the final lift or course of lime-treated subgrade has been compacted, it shall be brought to the required lines and grades in accordance with the typical sections. The completed section shall then be finished by rolling, as directed by the RPR, with a pneumatic or other suitable roller sufficiently light to prevent hairline cracking. The finished surface shall not vary more than 1/2-inch (12 mm) when tested with a 12-foot (3.7 m) straightedge applied parallel with and at right angles to the pavement centerline. Any variations in excess of this tolerance shall be corrected by the Contractor at the Contractor's expense in a manner satisfactory to the RPR.

The completed section shall be moist-cured for a minimum of seven (7) days before further courses are added or any traffic is permitted, unless otherwise directed by the RPR. The final lift should not be exposed for more than 14 days without protection or the placement of a base course material.

155-6.8 Maintenance. The Contractor shall protect and maintain the lime-treated subgrade from yielding until the lime-treated subgrade is covered by placement of the next lift. When material has been exposed

to excessive rain, snow, or freeze-thaw conditions, prior to placement of additional material, the Contractor shall verify that materials still meets all specification requirements. The maintenance cost shall be incidental to this item.

155-6.9 Surface tolerance. In those areas on which a subbase or base course is to be placed, the surface shall be tested for smoothness and accuracy of grade and crown. Any portion lacking the required smoothness or failing in accuracy of grade or crown shall be scarified to a depth of at least 3 inches (75 mm), reshaped and re-compacted to grade until the required smoothness and accuracy are obtained and approved by the RPR. The Contractor shall perform all final smoothness and grade checks in the presence of the RPR. Any deviation in surface tolerances shall be corrected by the Contractor at the Contractor's expense.

a. Smoothness. The finished surface shall not vary more than +/- ½ inch (12 mm) when tested with a 12-foot (3.7-m) straightedge applied parallel with and at right angles to the centerline. The straightedge shall be moved continuously forward at half the length of the 12-foot (3.7-m) straightedge for the full length of each line on a 50-foot (15-m) grid.

b. Grade. The grade and crown shall be measured on a 50-foot (15-m) grid and shall be within +/- 0.05 feet (15 mm) of the specified grade.

155-6.10 Acceptance sampling and testing. The lime treated subgrade shall be accepted for density and thickness on an area basis. Testing frequency shall be a minimum of one compaction and thickness test per 1000 square yards of lime treated subgrade, but not less than four (4) tests per day of production. Sampling locations will be determined on a random basis per ASTM D3665.

a. Density. All testing shall be done by the Contractor's laboratory in the presence of the RPR and density test results shall be furnished upon completion to the RPR for acceptance determination.

The field density of the compacted mixture shall be at least 95% of the maximum density of laboratory specimens prepared from samples taken from the material in place. The specimens shall be compacted and tested in accordance with ASTM D698 to determine maximum density and optimum moisture content. The in-place field density shall be determined in accordance with ASTM D6938, Procedure A, direct transmission method. If the material fails to meet the density requirements, the area represented by the failed test shall be reworked to meet the density requirements. Maximum density refers to maximum dry density at optimum moisture content unless otherwise specified.

b. Thickness. The thickness of the course shall be within +0 and -1/2 inch (12 mm) of the specified thickness as determined by depth tests taken by the Contractor in the presence of the RPR for each area. Where the thickness is deficient by more than 1/2-inch (12 mm), the Contractor shall correct such areas at no additional cost. The Contractor shall replace, at his expense, material where depth tests have been taken.

155-6.11 Handling and safety. The Contractor shall obtain and enforce the lime supplier's instructions for proper safety and handling of the lime to prevent physical eye or skin contact with lime during transport or application.

METHOD OF MEASUREMENT

155-7.1 Lime-treated subgrade shall be paid for by the square yard (square meter) in the completed and accepted work.

155-7.2 Lime shall be paid by the number of tons (kg) of Hydrated Lime applied at the application rate specified in paragraph 155-3.1.

a. Hydrated lime delivered to the project in dry form will be measured according to the actual tonnage either spread on the subgrade or batched on site into a slurry, whichever is applicable.

b. Quicklime delivered to the project in dry form will be measured for payment on the basis of the tons of equivalent hydrated lime using the following formula:

Equivalent Hydrated Lime ($Ca(OH)_2$) = Total Quicklime (CaO) × 1.32

c. Lime delivered to the project in slurry form will be measured for payment in tons, dry weight of hydrated lime or equivalent hydrated lime in accordance with paragraph b above.

BASIS OF PAYMENT

155-8.1 Payment shall be made at the contract unit price per square yard (square meter) for the lime-treated subgrade at the thickness specified. The price shall be full compensation for furnishing all material, except the lime, and for all preparation, delivering, placing and mixing these materials, and all labor, equipment, tools and incidentals necessary to complete this item.

155-8.2 Payment shall be made at the contract unit price per ton (kg). This price shall be full compensation for furnishing, delivery, and placing this material.

Payment will be made under:

Item P-155-8.1a	Lime-treated subgrade (10” Thick) (Access Drives) - per square yard (m^2)
Item P-155-8.1b	Lime-treated subgrade (12” Thick) (Taxiway) - per square yard (m^2)
Item P-155-8.1c	Lime-treated subgrade - per square yard (m^2)
Item P-155-8.2a	Lime (Lime Slurry Only) (Access Drives) - per ton
Item P-155-8.2b	Lime (Lime Slurry Only) (Taxiway) - per ton
Item P-155-8.2c	Lime - per ton

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM International (ASTM)

ASTM C51	Standard Terminology Relating to Lime and Limestone (as used by the Industry)
ASTM C977	Standard Specification for Quicklime and Hydrated Lime for Soil Stabilization
ASTM C1602	Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete
ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3) (600 kN-m/m^3)
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method

ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

Software

FAARFIELD – FAA Rigid and Flexible Iterative Elastic Layered Design

END OF ITEM P-155

Item D-701 Pipe for Storm Drains and Culverts

DESCRIPTION

701-1.1 This item shall consist of the construction of pipe culverts and storm drains in accordance with these specifications and in reasonably close conformity with the lines and grades shown on the plans.

MATERIALS

701-2.1 Materials shall meet the requirements shown on the plans and specified below. Underground piping and components used in drainage systems for terminal and aircraft fueling ramp drainage shall be noncombustible and inert to fuel in accordance with National Fire Protection Association (NFPA) 415.

Reinforced Concrete Pipe (Class IV)
Reinforced Concrete Pipe Arch (Class AIV)

701-2.2 Pipe. The pipe shall be of the type called for on the plans or in the proposal and shall be in accordance with the following appropriate requirements:

ASTM C76	Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
ASTM C506	Standard Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
ASTM C1840	Standard Practice for Inspection and Acceptance of Installed Reinforced Concrete Culvert, Storm Drain, and Storm Sewer Pipe

701-2.3 Concrete. Concrete for pipe cradles shall have a minimum compressive strength of 2000 psi (13.8 MPa) at 28 days and conform to the requirements of ASTM C94.

701-2.4 Rubber gaskets. Rubber gaskets for rigid pipe shall conform to the requirements of ASTM C443. Rubber gaskets for PVC pipe, polyethylene, and polypropylene pipe shall conform to the requirements of ASTM F477. Rubber gaskets for zinc-coated steel pipe and precoated galvanized pipe shall conform to the requirements of ASTM D1056, for the "RE" closed cell grades. Rubber gaskets for steel reinforced thermoplastic ribbed pipe shall conform to the requirements of ASTM F477.

701-2.5 Joint mortar. Pipe joint mortar shall consist of one part Portland cement and two parts sand. The Portland cement shall conform to the requirements of ASTM C150, Type I. The sand shall conform to the requirements of ASTM C144.

701-2.6 Joint fillers. Poured filler for joints shall conform to the requirements of ASTM D6690.

701-2.7 Plastic gaskets. Plastic gaskets shall conform to the requirements of ASTM C990.

701-2.8. Controlled low-strength material (CLSM). Controlled low-strength material shall conform to the requirements of Item P-153. When CLSM is used, all joints shall have gaskets.

701-2.9 Precast box culverts. Manufactured in accordance with and conforming to ASTM C1433.

701-2.10 Precast concrete pipe. Precast concrete structures shall be furnished by a plant meeting National Precast Concrete Association Plant Certification Program or American Concrete Pipe Association QCast Plant Certification program.

CONSTRUCTION METHODS

701-3.1 Excavation. The width of the pipe trench shall be sufficient to permit satisfactory jointing of the pipe and thorough tamping of the bedding material under and around the pipe, but it shall not be less than the external diameter of the pipe plus 12 inches (300 mm) on each side. The trench walls shall be approximately vertical.

The Contractor shall comply with all current federal, state and local rules and regulations governing the safety of men and materials during the excavation, installation and backfilling operations. Specifically, the Contractor shall observe that all requirements of the Occupational Safety and Health Administration (OSHA) relating to excavations, trenching and shoring are strictly adhered to. The width of the trench shall be sufficient to permit satisfactorily jointing of the pipe and thorough compaction of the bedding material under the pipe and backfill material around the pipe, but it shall not be greater than the widths shown on the plans trench detail.

Where rock, hardpan, or other unyielding material is encountered, the Contractor shall remove it from below the foundation grade for a depth of at least 8 inch (200 mm) or 1/2 inch (12 mm) for each foot of fill over the top of the pipe (whichever is greater) but for no more than three-quarters of the nominal diameter of the pipe. The excavation below grade should be filled with granular material to form a uniform foundation.

Where a firm foundation is not encountered at the grade established, due to soft, spongy, or other unstable soil, the unstable soil shall be removed and replaced with approved granular material for the full trench width. The RPR shall determine the depth of removal necessary. The granular material shall be compacted to provide adequate support for the pipe.

The excavation for pipes placed in embankment fill shall not be made until the embankment has been completed to a height above the top of the pipe as shown on the plans.

701-3.2 Bedding. The bedding surface for the pipe shall provide a foundation of uniform density to support the pipe throughout its entire length.

a. Rigid pipe. The pipe bedding shall be constructed uniformly for the full length of the pipe barrel, as required on the plans. The maximum aggregate size shall be 1 in when the bedding thickness is less than 6 inches, and 1-1/2 in when the bedding thickness is greater than 6 inches. Bedding shall be loosely placed uncompacted material under the middle third of the pipe prior to placement of the pipe.

b. Flexible pipe. For flexible pipe, the bed shall be roughly shaped to fit the pipe, and a bedding blanket of sand or fine granular material shall be provided as follows:

Flexible Pipe Bedding

Pipe Corrugation Depth		Minimum Bedding Depth	
inch	**mm**	**inch**	**mm**
1/2	12	1	25
1	25	2	50
2	50	3	75
2-1/2	60	3-1/2	90

c. Other pipe materials. For PVC, polyethylene, polypropylene, or fiberglass pipe, the bedding material shall consist of coarse sands and gravels with a maximum particle size of 3/4 inches (19 mm). For pipes installed under paved areas, no more than 12% of the material shall pass the No. 200 (0.075

mm) sieve. For all other areas, no more than 50% of the material shall pass the No. 200 (0.075 mm) sieve. The bedding shall have a thickness of at least 6 inches (150 mm) below the bottom of the pipe and extend up around the pipe for a depth of not less than 50% of the pipe's vertical outside diameter.

701-3.3 Laying pipe. The pipe laying shall begin at the lowest point of the trench and proceed upgrade. The lower segment of the pipe shall be in contact with the bedding throughout its full length. Bell or groove ends of rigid pipes and outside circumferential laps of flexible pipes shall be placed facing upgrade.

Paved or partially lined pipe shall be placed so that the longitudinal center line of the paved segment coincides with the flow line.

Elliptical and elliptically reinforced concrete pipes shall be placed with the manufacturer's reference lines designating the top of the pipe within five degrees of a vertical plane through the longitudinal axis of the pipe.

701-3.4 Joining pipe. Joints shall be made with (1) cement mortar, (2) cement grout, (3) rubber gaskets, (4) plastic gaskets, (5) coupling bands.

Mortar joints shall be made with an excess of mortar to form a continuous bead around the outside of the pipe and shall be finished smooth on the inside. Molds or runners shall be used for grouted joints to retain the poured grout. Rubber ring gaskets shall be installed to form a flexible watertight seal.

a. Concrete pipe. Concrete pipe may be either bell and spigot or tongue and groove. Pipe sections at joints shall be fully seated and the inner surfaces flush and even. Concrete pipe joints shall be sealed with rubber gaskets meeting ASTM C443 when leak resistant joints are required.

b. Metal pipe. Metal pipe shall be firmly joined by form-fitting bands conforming to the requirements of ASTM A760 for steel pipe and AASHTO M196 for aluminum pipe.

c. PVC, Polyethylene, or Polypropylene pipe. Joints for PVC, Polyethylene, or Polypropylene pipe shall conform to the requirements of ASTM D3212 when leak resistant joints are required. Joints for PVC and Polyethylene pipe shall conform to the requirements of AASHTO M304 when soil tight joints are required. Fittings for polyethylene pipe shall conform to the requirements of AASHTO M252 or ASTM M294. Fittings for polypropylene pipe shall conform to ASTM F2881, ASTM F2736, or ASTM F2764.

d. Fiberglass pipe. Joints and fittings shall be as detailed on the plans and in accordance with the manufacturers recommendations. Joints shall meet the requirements of ASTM D4161 for flexible elastomeric seals.

701-3.5 Embedment and Overfill. Pipes shall be inspected before any fill material is placed; any pipes found to be out of alignment, unduly settled, or damaged shall be removed and re-laid or replaced at the Contractor's expense.

701-3.5-1 Embedment Material Requirements

a. Concrete Pipe. Embedment material and compaction requirements shall be in accordance with the applicable Type of Standard Installation (Types 1, 2, 3, or 4) per ASTM C1479. If a concrete cradle or CLSM embedment material is used, it shall conform to the plan details.

b. Plastic and fiberglass Pipe. Embedment material shall meet the requirements of ASTM D3282, A-1, A-2-4, A-2-5, or A-3. Embedment material shall be free of organic material, stones larger than 1.5 inches in the greatest dimension, or frozen lumps. Embedment material shall extend to 12 inches above the top of the pipe.

c. Metal Pipe. Embedment material shall be granular as specified in the contract document and specifications, and shall be free of organic material, rock fragments larger than 1.5 inches in the greatest

dimension and frozen lumps. As a minimum, backfill materials shall meet the requirements of ASTM D3282, A-1, A-2, or A-3. Embedment material shall extend to 12 inches above the top of the pipe.

701-3.5-2 Placement of Embedment Material

The embedment material shall be compacted in layers not exceeding 6 inches (150 mm) on each side of the pipe and shall be brought up one foot (30 cm) above the top of the pipe or to natural ground level, whichever is greater. Thoroughly compact the embedment material under the haunches of the pipe without displacing the pipe. Material shall be brought up evenly on each side of the pipe for the full length of the pipe.

When the top of the pipe is above the top of the trench, the embedment material shall be compacted in layers not exceeding 6 inches (150 mm) and shall be brought up evenly on each side of the pipe to one foot (30 cm) above the top of the pipe. All embedment material shall be compacted to a density required under Item P-152.

Concrete cradles and flowable fills, such as controlled low strength material (CLSM) or controlled density fill (CDF), may be used for embedment provided adequate flotation resistance can be achieved by restraints, weighing, or placement technique.

It shall be the Contractor's responsibility to protect installed pipes and culverts from damage due to construction equipment operations. The Contractor shall be responsible for installation of any extra strutting or backfill required to protect pipes from the construction equipment.

701-3.6 Overfill

Pipes shall be inspected before any overfill is in place. Any pipes found to be out of alignment, unduly settled, or damaged shall be removed and relaid or replaced at the Contractor's expense. Evaluation of any damage to RCP shall be evaluated based on AASHTO R73.

Overfill material shall be place and compacted in layers as required to achieve compaction to at least 95 percent proctor per ASTM D1557. The soil shall contain no debris, organic matter, frozen material, or stones with a diameter greater than one half the thickness of the compacted layers being placed.

701-3.7 Inspection Requirements

An initial post installation inspection shall be performed by the RPR no sooner than 30 days after completion of installation and final backfill. Clean or flush all lines prior to inspection.

For pipe sizes larger than 48 inches, a walk-through visual inspection shall be performed.

Incorporate specific inspection requirements for the various types of pipes beneath the general inspection requirements.

Reinforced concrete pipe shall be inspected, evaluated, and reported on in accordance with ASTM C1840, "Standard Practice for Inspection and Acceptance of Installed Reinforced Concrete Culvert, Storm Drain, and Storm Sewer Pipe." Any issues reported shall include still photo and video documentation. The zoom ratio shall be provided for all still or video images that document any issues of concern by the inspection firm.

METHOD OF MEASUREMENT

701-4.1 The length of pipe shall be measured in linear feet of pipe in place, completed, and accepted. It shall be measured along the centerline of the pipe from end or inside face of structure to the end or inside face of structure, whichever is applicable. Each class, types and size of pipe shall be measured separately. All fittings shall be included in the footage as typical pipe sections in the pipe being measured.

BASIS OF PAYMENT

701-5.0 These prices shall fully compensate the Contractor for furnishing all materials and for all preparation, excavation, and installation of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

701-5.1 Payment will be made at the contract unit price per linear foot for Each class, types and size of pipe.

Payment will be made under:

Item 701-5.1	15” RCP (Class IV) (Includes Bedding & Backfill) per linear foot
Item 701-5.3	36” RCP (Class IV) (Includes Bedding & Backfill) per linear foot
Item 701-5.4	42” RCP (Class IV) (Includes Bedding & Backfill) per linear foot
Item 701-5.5	48” RCP (Class IV) (Includes Bedding & Backfill) per linear foot
Item 701-5.6	15” RCPA (Class IV) (Includes Bedding & Backfill) per linear foot
Item 701-5.10	42” RCPA (Class IV) (Includes Bedding & Backfill) per linear foot

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

American Association of State Highway and Transportation Officials (AASHTO)

AASHTO M167	Standard Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
AASHTO M190	Standard Specification for Bituminous-Coated Corrugated Metal Culvert Pipe and Pipe Arches
AASHTO M196	Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains
AASHTO M219	Standard Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches
AASHTO M243	Standard Specification for Field Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches
AASHTO M252	Standard Specification for Corrugated Polyethylene Drainage Pipe
AASHTO M294	Standard Specification for Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter
AASHTO M304	Standard Specification for Poly (Vinyl Chloride) (PVC) Profile Wall Drain Pipe and Fittings Based on Controlled Inside Diameter
AASHTO MP20	Standard Specification for Steel Reinforced Polyethylene (PE) Ribbed Pipe, 300- to 900-mm (12- to 36-in.) Diameter

ASTM International (ASTM)

ASTM A760	Standard Specification for Corrugated Steel Pipe, Metallic Coated for Sewers and Drains

ASTM A761	Standard Specification for Corrugated Steel Structural Plate, Zinc Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
ASTM A762	Standard Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains
ASTM A849	Standard Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe
ASTM B745	Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains
ASTM C14	Standard Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe
ASTM C76	Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
ASTM C94	Standard Specification for Ready Mixed Concrete
ASTM C144	Standard Specification for Aggregate for Masonry Mortar
ASTM C150	Standard Specification for Portland Cement
ASTM C443	Standard Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
ASTM C506	Standard Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
ASTM C507	Standard Specification for Reinforced Concrete Elliptical Culvert, Storm Drain and Sewer Pipe
ASTM C655	Standard Specification for Reinforced Concrete D-Load Culvert, Storm Drain and Sewer Pipe
ASTM C990	Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
ASTM C1433	Standard Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers
ASTM D1056	Standard Specification for Flexible Cellular Materials Sponge or Expanded Rubber
ASTM D3034	Standard Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM D3212	Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM D3262	Standard Specification for "Fiberglass" (Glass-Fiber Reinforced Thermosetting Resin) Sewer Pipe
ASTM D3282	Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes
ASTM D4161	Standard Specification for "Fiberglass" (Glass-Fiber Reinforced Thermosetting Resin) Pipe Joints Using Flexible Elastomeric Seals

ASTM D6690	Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
ASTM F477	Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F667	Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings
ASTM F714	Standard Specification for Polyethylene (PE) Plastic Pipe (DR PR) Based on Outside Diameter
ASTM F794	Standard Specification for Poly (Vinyl Chloride) (PVC) Profile Gravity Sewer Pipe & Fittings Based on Controlled Inside Diameter
ASTM F894	Standard Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe
ASTM F949	Standard Specification for Poly (Vinyl Chloride) (PVC) Corrugated Sewer Pipe with a Smooth Interior and Fittings
ASTM F2435	Standard Specification for Steel Reinforced Polyethylene (PE) Corrugated Pipe
ASTM F2562	Specification for Steel Reinforced Thermoplastic Ribbed Pipe and Fittings for Non-Pressure Drainage and Sewerage
ASTM F2736	Standard Specification for 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall Pipe and Double Wall Pipe
ASTM F2764	Standard Specification for 30 to 60 in. (750 to 1500 mm) Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications
ASTM F2881	Standard Specification for 12 to 60 in. (300 to 1500 mm) Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

National Fire Protection Association (NFPA)

NFPA 415	Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways

END ITEM D-701

ITEM L-108

UNDERGROUND POWER CABLE FOR AIRPORTS

DESCRIPTION

108-1.1 This item shall consist of furnishing and installing power cables that are direct buried and furnishing and/or installing power cables within conduit or duct banks per these specifications at the locations shown on the plans. It includes excavation and backfill of trench for direct-buried cables only. Also included are the installation of counterpoise wires, ground wires, ground rods and connections, cable splicing, cable marking, cable testing, and all incidentals necessary to place the cable in operating condition as a completed unit to the satisfaction of the RPR. This item shall not include the installation of duct banks or conduit, trenching and backfilling for duct banks or conduit, or furnishing or installation of cable for FAA owned/operated facilities.

EQUIPMENT AND MATERIALS

108-2.1 GENERAL.

a. Airport lighting equipment and materials covered by advisory circulars (AC) shall be approved under the Airport Lighting Equipment Certification Program per AC 150/5345-53, current version.

b. All other equipment and materials covered by other referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification, when requested by the RPR.

c. Manufacturer's certifications shall not relieve the Contractor of the responsibility to provide materials per these specifications. Materials supplied and/or installed that do not comply with these specifications shall be removed (when directed by the RPR) and replaced with materials that comply with these specifications at the Contractor's cost.

d. All materials and equipment used to construct this item shall be submitted to the RPR for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Submittal data shall be presented in a clear, precise and thorough manner. Original catalog sheets are preferred. Photocopies are acceptable provided they are as good a quality as the original. Clearly and boldly mark each copy to identify products or models applicable to this project. Indicate all optional equipment and delete any non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment to which they apply on each submittal sheet. Markings shall be made bold and clear with arrows or circles (highlighting is not acceptable). The Contractor is solely responsible for delays in the project that may accrue directly or indirectly from late submissions or resubmissions of submittals.

e. The data submitted shall be sufficient, in the opinion of the RPR, to determine compliance with the plans and specifications. The Contractor's submittals shall be electronically submitted in pdf format. The RPR reserves the right to reject any and all equipment, materials, or procedures that do not meet the system design and the standards and codes, specified in this document.

f. All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for at least twelve (12) months from the date of final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner. The Contractor shall maintain a minimum insulation resistance in accordance with paragraph 108-3.10e with isolation transformers connected in new circuits and new segments of existing circuits through the end of the contract warranty period when tested in accordance with AC 150/5340-26, Maintenance Airport Visual Aid Facilities, paragraph 5.1.3.1, Insulation Resistance Test.

108-2.2 CABLE. Underground cable for airfield lighting facilities (runway and taxiway lights and signs) shall conform to the requirements of AC 150/5345-7, Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits latest edition. Conductors for use on 6.6 ampere primary airfield lighting series circuits shall be single conductor, seven strand, #8 American wire gauge (AWG), L-824 Type C , 5,000 volts, non-shielded, with, cross-linked polyethylene insulation. Conductors for use on 20 ampere primary airfield lighting series circuits shall be single conductor, seven strand, #6 AWG, L-824 Type C, 5,000 volts, non-shielded, with cross-linked polyethylene insulation. L-824 conductors for use on the L-830 secondary of airfield lighting series circuits shall be sized in accordance with the manufacturer's recommendations. All other conductors shall comply with FAA and National Electric Code (NEC) requirements. Conductor sizes noted above shall not apply to leads furnished by manufacturers on airfield lighting transformers and fixtures.

Wire for electrical circuits up to 600 volts shall comply with Specification L-824 and/or Commercial Item Description A-A-59544A and shall be type THWN-2, 75°C for installation in conduit and RHW-2, 75°C for direct burial installations. Conductors for parallel (voltage) circuits shall be type and size and installed in accordance with NFPA-70, National Electrical Code.

Unless noted otherwise, all 600-volt and less non-airfield lighting conductor sizes are based on a 75°C, THWN-2, 600-volt insulation, copper conductors, not more than three single insulated conductors, in raceway, in free air. The conduit/duct sizes are based on the use of THWN-2, 600-volt insulated conductors. The Contractor shall make the necessary increase in conduit/duct sizes for other types of wire insulation. In no case shall the conduit/duct size be reduced. The minimum power circuit wire size shall be #12 AWG.

Conductor sizes may have been adjusted due to voltage drop or other engineering considerations. Equipment provided by the Contractor shall be capable of accepting the quantity and sizes of conductors shown in the Contract Documents. All conductors, pigtails, cable step-down adapters, cable step-up adapters, terminal blocks and splicing materials necessary to complete the cable termination/splice shall be considered incidental to the respective pay items provided.

Cable type, size, number of conductors, strand and service voltage shall be as specified in the Contract Document.

108-2.3 BARE COPPER WIRE (COUNTERPOISE, BARE COPPER WIRE GROUND AND GROUND RODS). Wire for counterpoise or ground installations for airfield lighting systems shall be No. 6 bare solid copper wire for counterpoise and/or No. 6 AWG insulated stranded for grounding bond wire per ASTM B3 and ASTM B8, and shall be bare copper wire. For voltage powered circuits, the equipment grounding conductor shall comply with NEC Article 250.

Ground rods shall be copper-clad steel or sectional copper-clad steel. The ground rods shall be of the length and diameter specified on the plans, but in no case be less than 8 feet (2.4 m) long and 5/8 inch (16 mm) in diameter.

108-2.4 CABLE CONNECTIONS. In-line connections or splices of underground primary cables shall be of the type called for on the plans, and shall be one of the types listed below. No separate payment will be made for cable connections.

a. The Cast Splice. A cast splice, employing a plastic mold and using epoxy resin equivalent to that manufactured by 3MTM Company, "Scotchcast" Kit No. 82-B, or an approved equivalent, used for potting the splice is acceptable.

b. The Field-Attached Plug-In Splice. Field attached plug-in splices shall be installed as shown on the plans. The Contractor shall determine the outside diameter of the cable to be spliced and furnish appropriately sized connector kits and/or adapters. Tape or heat shrink tubing with integral sealant

shall be in accordance with the manufacturer's requirements. Primary Connector Kits manufactured by Amerace, "Super Kit", Integro "Complete Kit", or approved equal is acceptable.

c. The Factory-Molded Plug-In Splice. Specification for L-823 Connectors, Factory-Molded to Individual Conductors, is acceptable.

d. The Taped Or Heat-Shrink Splice. Taped splices employing field-applied rubber, or synthetic rubber tape covered with plastic tape is acceptable. The rubber tape should meet the requirements of ASTM D4388 and the plastic tape should comply with Military Specification MIL-I-24391 or Commercial Item Description A-A-55809. Heat shrinkable tubing shall be heavy-wall, self-sealing tubing rated for the voltage of the wire being spliced and suitable for direct-buried installations. The tubing shall be factory coated with a thermoplastic adhesive-sealant that will adhere to the insulation of the wire being spliced forming a moisture- and dirt-proof seal. Additionally, heat shrinkable tubing for multi-conductor cables, shielded cables, and armored cables shall be factory kits that are designed for the application. Heat shrinkable tubing and tubing kits shall be manufactured by Tyco Electronics/ Raychem Corporation, Energy Division, or approved equivalent.

In all the above cases, connections of cable conductors shall be made using crimp connectors using a crimping tool designed to make a complete crimp before the tool can be removed. All L-823/L-824 splices and terminations shall be made per the manufacturer's recommendations and listings.

All connections of counterpoise, grounding conductors and ground rods shall be made by the exothermic process or approved equivalent, except that a light base ground clamp connector shall be used for attachment to the light base. All exothermic connections shall be made per the manufacturer's recommendations and listings.

108-2.5 Splicer Qualifications. Every airfield lighting cable splicer shall be qualified in making airport cable splices and terminations on cables rated at or above 5,000 volts AC. The Contractor shall submit to the RPR proof of the qualifications of each proposed cable splicer for the airport cable type and voltage level to be worked on. Cable splicing/terminating personnel shall have a minimum of three (3) years continuous experience in terminating/splicing medium voltage cable.

108-2.6 Concrete. Concrete shall be proportioned, placed, and cured per Item P-610, Concrete for Miscellaneous Structures. Concrete shall be proportioned, placed, and cured per state department of transportation structural concrete with minimum 25% Type F fly ash, and a minimum allowable compressive strength of 4,000 psi (28 MPa). There will be no separate payment for concrete. Concrete shall be a subsidiary obligation to the appropriate electrical pay item.

108-2.7 FLOWABLE BACKFILL. Flowable material used to backfill trenches for power cable trenches shall conform to the requirements of Item P-153, Controlled Low Strength Material.

108-2.8 CABLE IDENTIFICATION TAGS. Cable identification tags shall be made from a non-corrosive material with the circuit identification stamped or etched onto the tag. The tags shall be of the type as detailed on the plans.

108-2.9 TAPE. Electrical tapes shall be ScotchTM Electrical Tapes –ScotchTM 88 (1-1/2 inch (38 mm) wide) and ScotchTM 130C® linerless rubber splicing tape (2-inch (50 mm) wide), as manufactured by the Minnesota Mining and Manufacturing Company (3MTM), or an approved equivalent.

108-2.10 ELECTRICAL COATING. Electrical coating shall be Scotchkote™ as manufactured by 3MTM, or an approved equivalent.

108-2.11 EXISTING CIRCUITS. Whenever the scope of work requires connection to an existing circuit, the existing circuit's insulation resistance shall be tested, in the presence of the RPR. The test shall be performed per this item and prior to any activity that will affect the respective circuit. The Contractor shall record the results on forms acceptable to the RPR. When the work affecting the circuit is complete, the

circuit's insulation resistance shall be checked again, in the presence of the RPR. The Contractor shall record the results on forms acceptable to the RPR. The second reading shall be equal to or greater than the first reading or the Contractor shall make the necessary repairs to the existing circuit to bring the second reading above the first reading. All repair costs including a complete replacement of the L-823 connectors, L-830 transformers and L-824 cable, if necessary, shall be borne by the Contractor. All test results shall be submitted in the Operation and Maintenance (O&M) Manual. Refer to AC 150/5340-26C, Maintenance of Airport Visual Aid Facilities, for information relating to the measurement of insulation resistance. Insulation resistance on new circuits shall have a minimum value of 100 megaohms.

108-2.12 DETECTABLE WARNING TAPE. Plastic, detectable, American Public Works Association (APWA) Red (electrical power lines, cables, conduit and lighting cable) with continuous legend tape shall be polyethylene film with a metalized foil core and shall be 3-6 inches (75-150 mm) wide. Detectable tape is incidental to the respective bid item. Detectable warning tape for communication cables shall be orange. Detectable warning tape color code shall comply with the APWA Uniform Color Code.

CONSTRUCTION METHODS

108-3.1 GENERAL. The Contractor shall install the specified cable at the approximate locations indicated on the plans. Unless otherwise shown on the plans, all cable required to cross under pavements expected to carry aircraft loads shall be installed in concrete encased duct banks. Cable shall be run without splices, from fixture to fixture.

Cable connections between lights will be permitted only at the light locations for connecting the underground cable to the primary leads of the individual isolation transformers. The Contractor shall be responsible for providing cable in continuous lengths for home runs or other long cable runs without connections unless otherwise authorized in writing by the RPR or shown on the plans.

In addition to connectors being installed at individual isolation transformers, L-823 cable connectors for maintenance and test points shall be installed at locations shown on the plans. Cable circuit identification markers shall be installed on both sides of the L-823 connectors installed and on both sides of slack loops where a future connector would be installed.

Provide not less than 3 feet (1 m) of cable slack on each side of all connections, isolation transformers, light units, and at points where cable is connected to field equipment. Where provisions must be made for testing or for future above grade connections, provide enough slack to allow the cable to be extended at least one foot (30 cm) vertically above the top of the access structure. This requirement also applies where primary cable passes through empty light bases, junction boxes, and access structures to allow for future connections, or as designated by the RPR.

Primary airfield lighting cables installed shall have cable circuit identification markers attached on both sides of each L-823 connector and on each airport lighting cable entering or leaving cable access points, such as manholes, hand holes, pull boxes, junction boxes, etc. Markers shall be of sufficient length for imprinting the cable circuit identification legend on one line, using letters not less than 1/4 inch (6 mm) in size. The cable circuit identification shall match the circuits noted on the construction plans.

108-3.2 INSTALLATION IN DUCT BANKS OR CONDUITS. This item includes the installation of the cable in duct banks or conduit per the following paragraphs. The maximum number and voltage ratings of cables installed in each single duct or conduit, and the current-carrying capacity of each cable shall be per the latest version of the National Electric Code, or the code of the local agency or authority having jurisdiction.

The Contractor shall make no connections or splices of any kind in cables installed in conduits or duct banks.

Unless otherwise designated in the plans, where ducts are in tiers, use the lowest ducts to receive the cable first, with spare ducts left in the upper levels. Check duct routes prior to construction to obtain assurance

that the shortest routes are selected and that any potential interference is avoided.

Duct banks or conduits shall be installed as a separate item per Item L-110, Airport Underground Electrical Duct Banks and Conduit. The Contractor shall run a mandrel through duct banks or conduit prior to installation of cable to ensure that the duct bank or conduit is open, continuous and clear of debris. The mandrel size shall be compatible with the conduit size. The Contractor shall swab out all conduits/ducts and clean light bases, manholes, etc., interiors immediately prior to pulling cable. Once cleaned and swabbed, the light bases and all accessible points of entry to the duct/conduit system shall be kept closed except when installing cables. Cleaning of ducts, light bases, manholes, etc., is incidental to the pay item of the item being cleaned. All raceway systems left open, after initial cleaning, for any reason shall be re-cleaned at the Contractor's expense. The Contractor shall verify existing ducts proposed for use in this project as clear and open. The Contractor shall notify the RPR of any blockage in the existing ducts.

The cable shall be installed in a manner that prevents harmful stretching of the conductor, damage to the insulation, or damage to the outer protective covering. The ends of all cables shall be sealed with moisture-seal tape providing moisture-tight mechanical protection with minimum bulk, or alternately, heat shrinkable tubing before pulling into the conduit and it shall be left sealed until connections are made. Where more than one cable is to be installed in a conduit, all cable shall be pulled in the conduit at the same time. The pulling of a cable through duct banks or conduits may be accomplished by hand winch or power winch with the use of cable grips or pulling eyes. Maximum pulling tensions shall not exceed the cable manufacturer's recommendations. A non-hardening cable-pulling lubricant recommended for the type of cable being installed shall be used where required.

The Contractor shall submit the recommended pulling tension values to the RPR prior to any cable installation. If required by the RPR, pulling tension values for cable pulls shall be monitored by a dynamometer in the presence of the RPR. Cable pull tensions shall be recorded by the Contractor and reviewed by the RPR. Cables exceeding the maximum allowable pulling tension values shall be removed and replaced by the Contractor at the Contractor's expense.

The manufacturer's minimum bend radius or NEC requirements (whichever is more restrictive) shall apply. Cable installation, handling and storage shall be per manufacturer's recommendations. During cold weather, particular attention shall be paid to the manufacturer's minimum installation temperature. Cable shall not be installed when the temperature is at or below the manufacturer's minimum installation temperature. At the Contractor's option, the Contractor may submit a plan, for review by the RPR, for heated storage of the cable and maintenance of an acceptable cable temperature during installation when temperatures are below the manufacturer's minimum cable installation temperature.

Cable shall not be dragged across base can or manhole edges, pavement or earth. When cable must be coiled, lay cable out on a canvas tarp or use other appropriate means to prevent abrasion to the cable jacket.

108-3.3 INSTALLATION OF DIRECT-BURIED CABLE IN TRENCHES. Unless otherwise specified, the Contractor shall not use a cable plow for installing the cable. Cable shall be unreeled uniformly in place alongside or in the trench and shall be carefully placed along the bottom of the trench. The cable shall not be unreeled and pulled into the trench from one end. Slack cable sufficient to provide strain relief shall be placed in the trench in a series of S curves. Sharp bends or kinks in the cable shall not be permitted.

Where cables must cross over each other, a minimum of 3 inches (75 mm) vertical displacement shall be provided with the topmost cable depth at or below the minimum required depth below finished grade.

a. Trenching. Where turf is well established and the sod can be removed, it shall be carefully stripped and properly stored. Trenches for cables may be excavated manually or with mechanical trenching equipment. Walls of trenches shall be essentially vertical so that a minimum of surface is disturbed. Graders shall not be used to excavate the trench with their blades. The bottom surface of trenches shall be essentially smooth and free from coarse aggregate. Unless otherwise specified, cable trenches shall be excavated to a minimum depth of 18 inches (0.5 m) below finished grade per NEC Table 300.5,

except as follows:

1. When off the airport or crossing under a roadway or driveway, the minimum depth shall be 36 inches (91 cm) unless otherwise specified.

2. Minimum cable depth when crossing under a railroad track, shall be 42 inches (1 m) unless otherwise specified.

The Contractor shall excavate all cable trenches to a width not less than 6 inches (150 mm). Unless otherwise specified on the plans, all cables in the same location and running in the same general direction shall be installed in the same trench.

When rock is encountered, the rock shall be removed to a depth of at least 3 inches (75 mm) below the required cable depth and it shall be replaced with bedding material of earth or sand containing no mineral aggregate particles that would be retained on a 1/4-inch (6.3 mm) sieve. Flowable backfill material may alternatively be used.

Duct bank or conduit markers temporarily removed for trench excavations shall be replaced as required.

It is the Contractor's responsibility to locate existing utilities within the work area prior to excavation. Where existing active cables cross proposed installations, the Contractor shall ensure that these cables are adequately protected. Where crossings are unavoidable, no splices will be allowed in the existing cables, except as specified on the plans. Installation of new cable where such crossings must occur shall proceed as follows:

Existing cables shall be located manually. Unearthed cables shall be inspected to assure absolutely no damage has occurred.

Trenching, etc., in cable areas shall then proceed, with approval of the RPR, with care taken to minimize possible damage or disruption of existing cable, including careful backfilling in area of cable.

In the event that any previously identified cable is damaged during the course of construction, the Contractor shall be responsible for the complete repair or replacement.

b. Backfilling. After the cable has been installed, the trench shall be backfilled. The first layer of backfill in the trench shall encompass all cables ; be 3 inches (75 mm) deep, loose measurement; and shall be either earth or sand containing no mineral aggregate particles that would be retained on a 1/4-inch (6.3 mm) sieve. This layer shall not be compacted. The second layer shall be 5 inches (125 mm) deep, loose measurement, and shall contain no particles that would be retained on a one inch (25.0 mm) sieve. The remaining third and subsequent layers of backfill shall not exceed 8 inches (20 cm) of loose measurement and be excavated or imported material and shall not contain stone or aggregate larger than 4 inches (100 mm) maximum diameter.

The second and subsequent layers shall be thoroughly tamped and compacted to at least the density of the adjacent material. If the cable is to be installed in locations or areas where other compaction requirements are specified (under pavements, embankments, etc.) the backfill compaction shall be to a minimum of 100 percent of ASTM D1557.

Trenches shall not contain pools of water during backfilling operations. The trench shall be completely backfilled and tamped level with the adjacent surface, except that when turf is to be established over the trench, the backfilling shall be stopped at an appropriate depth consistent with the type of turfing operation to be accommodated. A proper allowance for settlement shall also be provided. Any excess excavated material shall be removed and disposed of per the plans and specifications.

Underground electrical warning (caution) tape shall be installed in the trench above all direct-buried cable. Contractor shall submit a sample of the proposed warning tape for acceptance by the RPR. If not shown on

the plans, the warning tape shall be located 6 inches (150 mm) above the direct-buried cable or the counterpoise wire if present. A 3-6 inch (75 - 150 mm) wide polyethylene film detectable tape, with a metalized foil core, shall be installed above all direct buried cable or counterpoise. The tape shall be of the color and have a continuous legend as indicated on the plans. The tape shall be installed 8 inches (200 mm) minimum below finished grade.

c. Restoration. Following restoration of all trenching near airport movement surfaces, the Contractor shall visually inspect the area for foreign object debris (FOD) and remove any that is found. Where soil and sod has been removed, it shall be replaced as soon as possible after the backfilling is completed. All areas disturbed by work shall be restored to its original condition. The restoration shall include the sodding, topsoiling, and fertilizing as shown on the plans. The Contractor shall be held responsible for maintaining all disturbed surfaces and replacements until final acceptance. When trenching is through paved areas, restoration shall be equal to existing conditions. If the cable is to be installed in locations or areas where other compaction requirements are specified (under pavements, embankments, etc.) the backfill compaction shall be to a minimum of 100 percent of ASTM D1557 Restoration shall be considered incidental to the pay item of which it is a component part.

108-3.4 CABLE MARKERS FOR DIRECT-BURIED CABLE. The location of direct buried circuits shall be marked by a concrete slab marker, 2 feet (60 cm) square and 4-6 inch (10 - 15 cm) thick, extending approximately one inch (25 mm) above the surface. Each cable run from a line of lights and signs to the equipment vault shall be marked at approximately every 200 feet (61 m) along the cable run, with an additional marker at each change of direction of cable run. All other direct-buried cable shall be marked in the same manner. Cable markers shall be installed directly above the cable. The Contractor shall impress the word “CABLE” and directional arrows on each cable marking slab. The letters shall be approximately 4 inches (100 mm) high and 3 inches (75 mm) wide, with width of stroke 1/2 inch (12 mm) and 1/4 inch (6 mm) deep. Stencils shall be used for cable marker lettering; no hand lettering shall be permitted.

At the location of each underground cable connection/splice, except at lighting units, or isolation transformers, a concrete marker slab shall be installed to mark the location of the connection/splice. The Contractor shall impress the word “SPLICE” on each slab. The Contractor also shall impress additional circuit identification symbols on each slab as directed by the RPR. All cable markers and splice markers shall be painted international orange. Paint shall be specifically manufactured for uncured exterior concrete. After placement, all cable or splice markers shall be given one coat of high-visibility aviation orange paint as approved by the RPR. Furnishing and installation of cable markers is incidental to the respective cable pay item.

108-3.5 SPLICING. Connections of the type shown on the plans shall be made by experienced personnel regularly engaged in this type of work and shall be made as follows:

a. Cast Splices. These shall be made by using crimp connectors for jointing conductors. Molds shall be assembled, and the compound shall be mixed and poured per the manufacturer’s instructions and to the satisfaction of the RPR.

b. Field-Attached Plug-In Splices. These shall be assembled per the manufacturer’s instructions. These splices shall be made by plugging directly into mating connectors. The joint where the connectors come together shall be finished by one of the following methods: (1) wrapped with at least one layer of rubber or synthetic rubber tape and one layer of plastic tape, one-half lapped, extending at least 1-1/2 inches (38 mm) on each side of the joint (2) Covered with heat shrinkable tubing with integral sealant extending at least 1-1/2 inches (38 mm) on each side of the joint or (3) On connector kits equipped with water seal flap; roll-over water seal flap to sealing position on mating connector.

c. Factory-Molded Plug-In Splices. These shall be made by plugging directly into mating connectors. The joint where the connectors come together shall be finished by one of the following methods: (1) Wrapped with at least one layer of rubber or synthetic rubber tape and one layer of plastic tape, one-half lapped, extending at least 1-1/2 inches (38 mm) on each side of the joint. (2) Covered with heat shrinkable tubing with integral sealant extending at least 1-1/2 inches (38 mm) on each side of the

joint. or (3) On connector kits so equipped with water seal flap; roll-over water seal flap to sealing position on mating connector.

d. Taped Or Heat-Shrink Splices. A taped splice shall be made in the following manner:

Bring the cables to their final position and cut so that the conductors will butt. Remove insulation and jacket allowing for bare conductor of proper length to fit compression sleeve connector with 1/4 inch (6 mm) of bare conductor on each side of the connector. Prior to splicing, the two ends of the cable insulation shall be penciled using a tool designed specifically for this purpose and for cable size and type. Do not use emery paper on splicing operation since it contains metallic particles. The copper conductors shall be thoroughly cleaned. Join the conductors by inserting them equidistant into the compression connection sleeve. Crimp conductors firmly in place with crimping tool that requires a complete crimp before tool can be removed. Test the crimped connection by pulling on the cable. Scrape the insulation to assure that the entire surface over which the tape will be applied (plus 3 inches (75 mm) on each end) is clean. After scraping, wipe the entire area with a clean lint-free cloth. Do not use solvents.

Apply high-voltage rubber tape one-half lapped over bare conductor. This tape should be tensioned as recommended by the manufacturer. Voids in the connector area may be eliminated by highly elongating the tape, stretching it just short of its breaking point. The manufacturer's recommendation for stretching tape during splicing shall be followed. Always attempt to exactly half-lap to produce a uniform buildup. Continue buildup to 1-1/2 times cable diameter over the body of the splice with ends tapered a distance of approximately one inch (25 mm) over the original jacket. Cover rubber tape with two layers of vinyl pressure-sensitive tape one-half lapped. Do not use glyptol or lacquer over vinyl tape as they react as solvents to the tape. No further cable covering or splice boxes are required.

Heat shrinkable tubing shall be installed following manufacturer’s instructions. Direct flame heating shall not be permitted unless recommended by the manufacturer. Cable surfaces within the limits of the heat-shrink application shall be clean and free of contaminates prior to application.

e. Assembly. Surfaces of equipment or conductors being terminated or connected shall be prepared in accordance with industry standard practice and manufacturer’s recommendations. All surfaces to be connected shall be thoroughly cleaned to remove all dirt, grease, oxides, nonconductive films, or other foreign material. Paints and other nonconductive coatings shall be removed to expose base metal. Clean all surfaces at least 1/4 inch (6.4 mm) beyond all sides of the larger bonded area on all mating surfaces.

Use a joint compound suitable for the materials used in the connection. Repair painted/coated surface to original condition after completing the connection.

108-3.6 BARE COUNTERPOISE WIRE INSTALLATION FOR LIGHTNING PROTECTION AND GROUNDING. If shown on the plans or included in the job specifications, bare solid #6 AWG copper counterpoise wire shall be installed for lightning protection of the underground cables. The RPR shall select one of two methods of lightning protection for the airfield lighting circuit based upon sound engineering practice and lightning strike density.

a. Equipotential. – The counterpoise size is as shown on the plans. The equipotential method is applicable to all airfield lighting systems; i.e. runway, taxiway, apron – touchdown zone, centerline, edge, threshold and approach lighting systems. The equipotential method is also successfully applied to provide lightning protection for power, signal and communication systems. The light bases, counterpoise, etc. – all components - are bonded together and bonded to the vault power system ground loop/electrode.

Counterpoise wire shall be installed in the same trench for the entire length of buried cable, conduits and duct banks that are installed to contain airfield cables. The counterpoise is centered over the cable/conduit/duct to be protected.

The counterpoise conductor shall be installed no less than 8 inches (200 mm) minimum or 12 inches (300 mm) maximum above the raceway or cable to be protected, except as permitted below:

(1) The minimum counterpoise conductor height above the raceway or cable to be protected shall be permitted to be adjusted subject to coordination with the airfield lighting and pavement designs.

(2) The counterpoise conductor height above the protected raceway(s) or cable(s) shall be calculated to ensure that the raceway or cable is within a 45-degree area of protection, (45 degrees on each side of vertical creating a 90-degree angle).

The counterpoise conductor shall be bonded to each metallic light base, mounting stake, and metallic airfield lighting component.

All metallic airfield lighting components in the field circuit on the output side of the constant current regulator (CCR) or other power source shall be bonded to the airfield lighting counterpoise system.

All components rise and fall at the same potential; with no potential difference, no damaging arcing and no damaging current flow.

See AC 150/5340-30, Design and Installation Details for Airport Visual Aids and NFPA 780, Standard for the Installation of Lightning Protection Systems, Chapter 11, for a detailed description of the Equipotential Method of lightning protection.

Reference FAA STD-019E, Lightning and Surge Protection, Grounding Bonding and Shielding Requirements for Facilities and Electronic Equipment, Part 4.1.1.7.

b. Isolation – not used

c. Common Installation requirements. When a metallic light base is used, the grounding electrode shall be bonded to the metallic light base or mounting stake with a No. 6 AWG bare, annealed or soft drawn, solid copper conductor.

When a nonmetallic light base is used, the grounding electrode shall be bonded to the metallic light fixture or metallic base plate with a No. 6 AWG bare, annealed or soft drawn, solid copper conductor.

Grounding electrodes may be rods, ground dissipation plates, radials, or other electrodes listed in the NFPA 70 (NEC) or NFPA 780.

Where raceway is installed by the directional bore, jack and bore, or other drilling method, the counterpoise conductor shall be permitted to be installed concurrently with the directional bore, jack and bore, or other drilling method raceway, external to the raceway or sleeve.

The counterpoise wire shall also be exothermically welded to ground rods installed as shown on the plans but not more than 500 feet (150 m) apart around the entire circuit. The counterpoise system shall be continuous and terminate at the transformer vault or at the power source. It shall be securely attached to the vault or equipment external ground ring or other made electrode-grounding system. The connections shall be made as shown on the plans and in the specifications.
Where an existing airfield lighting system is being extended or modified, the new counterpoise conductors shall be interconnected to existing counterpoise conductors at each intersection of the new and existing airfield lighting counterpoise systems.

d. Parallel Voltage Systems. Provide grounding and bonding in accordance with NFPA 70, National Electrical Code.

108-3.7 COUNTERPOISE INSTALLATION ABOVE MULTIPLE CONDUITS AND DUCT BANKS. Counterpoise wires shall be installed above multiple conduits/duct banks for airfield lighting cables, with the intent being to provide a complete area of protection over the airfield lighting cables. When multiple conduits and/or duct banks for airfield cable are installed in the same trench, the number and location of counterpoise wires above the conduits shall be adequate to provide a complete area of protection measured 45 degrees each side of vertical.

Where duct banks pass under pavement to be constructed in the project, the counterpoise shall be placed above the duct bank. Reference details on the construction plans.

108-3.8 COUNTERPOISE INSTALLATION AT EXISTING DUCT BANKS. When airfield lighting cables are indicated on the plans to be routed through existing duct banks, the new counterpoise wiring shall be terminated at ground rods at each end of the existing duct bank where the cables being protected enter and exit the duct bank. The new counterpoise conductor shall be bonded to the existing counterpoise system.

108-3.9 EXOTHERMIC BONDING. Bonding of counterpoise wire shall be by the exothermic welding process or equivalent method accepted by the RPR. Only personnel experienced in and regularly engaged in this type of work shall make these connections.

Contractor shall demonstrate to the satisfaction of the RPR, the welding kits, materials and procedures to be used for welded connections prior to any installations in the field. The installations shall comply with the manufacturer's recommendations and the following:

a. All slag shall be removed from welds.

b. Using an exothermic weld to bond the counterpoise to a lug on a galvanized light base is not recommended unless the base has been specially modified. Consult the manufacturer's installation directions for proper methods of bonding copper wire to the light base. See AC 150/5340-30 for galvanized light base exception.

c. If called for in the plans, all buried copper and weld material at weld connections shall be thoroughly coated with 6 mm of 3MTM ScotchkoteTM, or approved equivalent, or coated with coal tar Bitumastic® material to prevent surface exposure to corrosive soil or moisture.

108-3.10 TESTING. The Contractor shall furnish all necessary equipment and appliances for testing the airport electrical systems and underground cable circuits before and after installation. The Contractor shall perform all tests in the presence of the RPR. The Contractor shall demonstrate the electrical characteristics to the satisfaction of the RPR. All costs for testing are incidental to the respective item being tested. For phased projects, the tests must be completed by phase. The Contractor must maintain the test results throughout the entire project as well as during the warranty period that meet the following:

a. Earth resistance testing methods shall be submitted to the RPR for approval. Earth resistance testing results shall be recorded on an approved form and testing shall be performed in the presence of the RPR. All such testing shall be at the sole expense of the Contractor.

b. Should the counterpoise or ground grid conductors be damaged or suspected of being damaged by construction activities the Contractor shall test the conductors for continuity with a low resistance ohmmeter. The conductors shall be isolated such that no parallel path exists and tested for continuity. The RPR shall approve of the test method selected. All such testing shall be at the sole expense of the Contractor.

After installation, the Contractor shall test and demonstrate to the satisfaction of the RPR the following:

c. That all affected lighting power and control circuits (existing and new) are continuous and free from short circuits.

d. That all affected circuits (existing and new) are free from unspecified grounds.

e. That the insulation resistance to ground of all new non-grounded high voltage series circuits or cable segments is not less than 100 megohms. Verify continuity of all series airfield lighting circuits prior to energization.

f. That the insulation resistance to ground of all new non-grounded conductors of new multiple circuits or circuit segments is not less than 100 megohms.

g. That all affected circuits (existing and new) are properly connected per applicable wiring diagrams.

h. That all affected circuits (existing and new) are operable. Tests shall be conducted that include operating each control not less than 10 times and the continuous operation of each lighting and power circuit for not less than 1/2 hour.

i. That the impedance to ground of each ground rod does not exceed 10 ohms prior to establishing connections to other ground electrodes. The fall-of-potential ground impedance test shall be used, as described by American National Standards Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) Standard 81, to verify this requirement. As an alternate, clamp-on style ground impedance test meters may be used to satisfy the impedance testing requirement. Test equipment and its calibration sheets shall be submitted for review and approval by the RPR prior to performing the testing.

Two copies of tabulated results of all cable tests performed shall be supplied by the Contractor to the RPR. Where connecting new cable to existing cable, insulation resistance tests shall be performed on the new cable prior to connection to the existing circuit.

There are no approved “repair” procedures for items that have failed testing other than complete replacement.

METHOD OF MEASUREMENT

108-4.1 The cost of all excavation, backfill, dewatering and restoration regardless of the type of material encountered shall be included in the unit price bid for the work.

108-4.2 Cable or counterpoise wire installed in trench, duct bank or conduit shall be measured by the number of linear feet (meters) installed and grounding connectors, and trench marking tape ready for operation, and accepted as satisfactory. Separate measurement shall be made for each cable or counterpoise wire installed in trench, duct bank or conduit. The measurement for this item shall not include additional quantities required for slack.

108-4.3 No separate payment will be made for ground rods.

BASIS OF PAYMENT

108-5.1 Payment will be made at the contract unit price for trenching, cable and bare counterpoise wire installed in trench (direct-buried), or cable and equipment ground installed in duct bank or conduit, in place by the Contractor and accepted by the RPR. This price shall be full compensation for furnishing all materials and for all preparation and installation of these materials, and for all labor, equipment, tools, and incidentals, including ground rods and ground connectors and trench marking tape, necessary to complete this item.

Payment will be made under:

Item L-108-5.1	No. 8 AWG, 5 KV Type C Cable, Installed in Conduit - per liner foot (meter)
Item L-108-5.2	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed, Above the Duct Bank or Conduit, Including Connections/Terminations, Including Ground Rods- per linear foot (meter)
Item L-108-5.3	Temporary Communications Cables, Includes associated Cables, Conduits, Trenching, Bores, Junction Structures, and Connections – Per Lump Sum

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5340-26	Maintenance of Airport Visual Aid Facilities
AC 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-26	Specification for L-823 Plug and Receptacle, Cable Connectors
AC 150/5345-53	Airport Lighting Equipment Certification Program

Commercial Item Description

A-A-59544A	Cable and Wire, Electrical (Power, Fixed Installation)
A-A-55809	Insulation Tape, Electrical, Pressure-Sensitive Adhesive, Plastic

ASTM International (ASTM)

ASTM B3	Standard Specification for Soft or Annealed Copper Wire
ASTM B8	Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
ASTM B33	Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes
ASTM D4388	Standard Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes

Mil Spec

MIL-PRF-23586F	Performance Specification: Sealing Compound (with Accelerator), Silicone Rubber, Electrical
MIL-I-24391	Insulation Tape, Electrical, Plastic, Pressure Sensitive National Fire Protection Association (NFPA)

NFPA-70	**National Electrical Code (NEC)**
NFPA-780	Standard for the Installation of Lightning Protection Systems

American National Standards Institute (ANSI)/Institute of Electrical and Electronics Engineers (IEEE)

ANSI/IEEE STD 81	IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Ground System

Federal Aviation Administration Standard

FAA STD-019E	Lightning and Surge Protection, Grounding Bonding and Shielding Requirements for Facilities and Electronic Equipment

END OF ITEM L-108

Item L-109

Airport Transformer Vault and Vault Equipment

DESCRIPTION

109-1.1 This item shall consist of removing existing equipment from an existing airport transformer vault, modifying the existing airport transformer vault, and adding new equipment per these specifications and per the design and dimensions shown in the plans. This work shall also include the installation of conduits in the floor and foundation, painting and lighting of the vault or metal housing, and the furnishing of all incidentals that are necessary to produce a completed unit. Included as a separate part under this item or as a separate item where an existing vault is to be used shall be the furnishing of all vault equipment, wiring, electrical buses, cable, conduit, potheads, and grounding systems. This work shall also include the painting of equipment and conduit; the marking and labeling of equipment and the labeling or tagging of wires; the testing of the installation; and the furnishing of all incidentals necessary to place it in operating condition as a completed unit to the satisfaction of the RPR.

EQUIPMENT AND MATERIALS

109-2.1 GENERAL.

a. Airport lighting equipment and materials covered by advisory circulars (AC) shall be certified in AC 150/5345-53, Airport Lighting Equipment Certification Program (ALECP) and listed in the ALECP Addendum.

b. All other equipment and materials covered by other referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification when requested by the RPR.

c. Manufacturer's certifications shall not relieve the Contractor of the responsibility to provide materials per these specifications. Materials supplied and/or installed that do not comply with these specifications shall be removed (when directed by the RPR) and replaced with materials that comply with these specifications at the Contractor's cost.

d. All materials and equipment used to construct this item shall be submitted to the RPR for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Submittal data shall be presented in a clear, precise and thorough manner. Original catalog sheets are preferred. Photocopies are acceptable provided they are as good a quality as the original. Clearly and boldly mark each copy to identify products or models applicable to this project. Indicate all optional equipment and delete any non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment to which they apply on each submittal sheet. Markings shall be made bold and clear with arrows or circles (highlighting is not acceptable). The Contractor is solely responsible for delays in the project that may accrue directly or indirectly from late submissions or resubmissions of submittals.

e. The data submitted shall be sufficient, in the opinion of the RPR, to determine compliance with the plans and specifications. The Contractor's submittals shall be provided in electronic pdf format, tabbed by specification section. The RPR reserves the right to reject any and all equipment, materials or procedures that do not meet the system design and the standards and codes, specified in this document.

f. All equipment and materials furnished and installed under this section shall be guaranteed against

defects in materials and workmanship for a period of at least twelve (12) months from final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner.

CONSTRUCTION OF VAULT AND PREFABRICATED METAL HOUSING

109-3.1 ELECTRICAL VAULT BUILDING. Not Used.

109-3.2 CONCRETE. Concrete shall be proportioned, placed, and cured per state department of transportation structural concrete with minimum 25% Type F fly ash, and a minimum allowable compressive strength of 4,000 psi (28 MPa).

109-3.3 PRECAST CONCRETE STRUCTURES. Not Used.

109-3.4 REINFORCING STEEL. Not Used.

109-3.5 BRICK. Not Used.

109-3.6 RIGID STEEL CONDUIT. Rigid steel conduit and fittings shall be per Underwriters Laboratories Standards 6 and 514B.

109-3.7 PLASTIC CONDUIT AND FITTINGS. Plastic Conduit and fittings shall conform to the requirements of UL-651 and UL-654 schedule 40 polyvinyl chloride (PVC) suitable for use above or below ground.

109-3.8 LIGHTING. Not Used.

109-3.9 OUTLETS. Not Used.

109-3.10 SWITCHES. Not Used.

109-3.11 PAINT. Not Used.

109-3.12 GROUND BUS. Ground bus shall be 1/8 x 3/4 inch (3 x 19 mm) minimum copper bus bar.

109-3.13 SQUARE DUCT. Duct shall be square similar to that manufactured by the Square D Company (or equivalent), or the Trumbull Electric Manufacturing Company (or equivalent). The entire front of the duct on each section shall consist of hinged or removable cover for ready access to the interior. The cross- section of the duct shall be not less than 4 x 4 inch (100 x 100 mm) except where otherwise shown in the plans.

109-3.14 GROUND RODS. Ground rods shall be in accordance with Item L-108.

109-3.15 VAULT PREFABRICATED METAL HOUSING. Not Used.

109-3.16 FAA-APPROVED EQUIPMENT. Certain items of airport lighting equipment installed in vaults are covered by individual ACs listed below:

AC 150/5345-3	Specification for L-821, Panels for Remote Control of Airport Lighting AC 150/5345-5 Circuit Selector Switch
AC 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-10	Specification for Constant Current Regulators and Regulator Monitors

AC 150/5345-13	Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits.
AC 150/5345-49	Specification for L-854, Radio Control Equipment
AC 150/5345-56	Specification for L-890 Airport Lighting Control and Monitoring System (ALCMS)

109-3.17 OTHER ELECTRICAL EQUIPMENT. Distribution transformers, oil switches, cutouts, relays, terminal blocks, transfer relays, circuit breakers, and all other regularly used commercial items of electrical equipment not covered by FAA equipment specifications and ACs shall conform to the applicable rulings and standards of the Institute of Electrical and Electronic Engineers (IEEE) or the National Electrical Manufacturers Association (NEMA). When specified, test reports from a testing laboratory indicating that the equipment meets the specifications shall be supplied. In all cases, equipment shall be new and a first- grade product. This equipment shall be supplied in the quantities required for the specific project and shall incorporate the electrical and mechanical characteristics specified in the proposal and plans.

Equipment selected and installed by the Contractor shall maintain the interrupting current rating of the existing systems or specified rating whichever is greater.

109-3.18 WIRE. Wire (in conduit) rated up to 5,000 volts shall be per AC 150/5345-7, Specification for L- 824 Underground Electrical Cables for Airport Lighting Circuits. For ratings up to 600 volts, moisture and heat resistant thermoplastic wire conforming to Commercial Item Description A-A-59544A Type THWN-2 shall be used. The wires shall be of the type, size, number of conductors, and voltage shown in the plans or in the proposal.

a. Control circuits. Unless otherwise indicated on the plans, wire shall be not less than No. 12 American wire gauge (AWG) and shall be insulated for 600 volts. If telephone control cable is specified, No. 19 AWG telephone cable per ANSI/Insulated Cable Engineers Association (ICEA) S-85-625 specifications shall be used.

b. Power circuits.

(1) 600 volts maximum – Wire shall be No. 6 AWG or larger and insulated for at least 600 volts.

(2) 3,000 volts maximum – Wire shall be No. 6 AWG or larger and insulated for at least 3,000 volts.

(3) Over 3,000 volts – Wire shall be No. 6 AWG or larger and insulated for at least the circuit voltage.

109-3.19 SHORT CIRCUIT / COORDINATION / DEVICE EVALUATION / ARC FLASH ANALYSIS. The Contractor shall, based upon the equipment provided, include as a part of the submittal process the electrical system "Short Circuit / Coordination / Device evaluation / Arc Flash Analysis". The analysis shall be performed by the equipment manufacturer and submitted in a written report. The analysis shall be signed and sealed by a registered professional Engineer from the state in which the project is located. The analysis shall comply with NFPA-70E and IEEE 1584.

The analysis will include: one line diagrams, short circuit analysis, coordination analysis, equipment evaluation, arc flash analysis and arc flash labels containing at a minimum, equipment name, voltage/current rating, available incident energy and flash protection boundary.

The selected firms field service Engineer shall perform data gathering for analysis completion and device settings, perform device setting as recommended by the analysis and will furnish and install the arc flash labels. The components worst case incident energy will be considered the available arc flash energy at that specific point in the system. Submit three written copies and one electronic copy of the report.

CONSTRUCTION METHODS

CONSTRUCTION OF VAULT AND PREFABRICATED METAL HOUSING

109-4.1 GENERAL.
The Contractor shall modify the existing transformer vault as indicated in the plans. The installation methods, and equipment placement are shown in the plans.

The Contractor is responsible for contacting the manufacturer of the required equipment to be installed to obtain environmental limitations of the equipment to be installed. Refer to the electrical vault detail plan sheets for construction requirements.

109-4.2 FOUNDATION AND WALLS. Not Used.

109-4.3 ROOF. Not Used.

109-4.4 FLOOR. Not Used.

109-4.5 FLOOR DRAIN. Not Used.

109-4.6 CONDUITS IN FLOOR AND FOUNDATION. Conduits shall be installed in the floor and through the foundation walls per the details shown in the plans. All underground conduit shall be painted with an asphalt compound. Conduit shall be installed with a coupling or metal conduit adapter flush with the top of the floor. All incoming conduit shall be closed with a pipe plug to prevent the entrance of foreign material during construction. Space conduit entrances shall be left closed.

109-4.7 DOORS. Not Used.

109-4.8 PAINTING. Not Used.

109-4.9 LIGHTS AND SWITCHES. Not Used.

INSTALLATION OF EQUIPMENT IN VAULT OR PREFABRICATED METAL HOUSING

109-5.1 GENERAL. The Contractor shall furnish, install, and connect all equipment, equipment accessories, conduit, cables, wires, buses, grounds, and support necessary to ensure a complete and operable electrical distribution center for the airport lighting system as specified herein and shown in the plans. When specified, an emergency power supply and transfer switch shall be provided and installed.

The equipment installation and mounting shall comply with the requirements of the National Electrical Code and local code agency having jurisdiction. All electrical work shall comply with the NEC and local code agency having jurisdiction including the separation of under 600V work from 5,000V work."

109-5.2 POWER SUPPLY EQUIPMENT. Transformers, regulators, booster transformers, and other power supply equipment items shall be furnished and installed at the location shown in the plans or as directed by the RPR. The power supply equipment shall be set on steel "H" sections, "I" beams, channels, or

concrete blocks to provide a minimum space of 1-1/2 inch (38 mm) between the equipment and the floor. The equipment shall be placed so as not to obstruct the oil-sampling plugs of the oil-filled units; and name-plates shall, so far as possible, not be obscured.

If specified in the plans and specifications, equipment for an alternate power source or an emergency power generator shall be furnished and installed. The alternate power supply installation shall include all equipment, accessories, an automatic changeover switch, and all necessary wiring and connections. The emergency power generator set shall be the size and type specified.

109-5.3 SWITCHGEAR AND PANELS. Oil switches, fused cutouts, relays, transfer switches, panels, panel boards, and other similar items shall be furnished and installed at the location shown in the plans or as directed by the RPR. Wall or ceiling mounted items shall be attached to the wall or ceiling with galvanized bolts of not less than 3/8-inch (9 mm) diameter engaging metal expansion shields or anchors in masonry or concrete vaults.

109-5.4 DUCT AND CONDUIT. The Contractor shall furnish and install square-type exposed metallic ducts with hinged covers for the control circuits in the vault. These shall be mounted along the walls behind all floor-mounted equipment and immediately below all wall-mounted equipment. The hinged covers shall be placed to open from the front side with the hinges at the front bottom.

Wall brackets for square ducts shall be installed at all joints 2 feet (60 cm) or more apart with intermediate brackets as specified. Conduit shall be used between square ducts and equipment or between different items of equipment when the equipment is designed for conduit connection. When the equipment is not designed for conduit connection, conductors shall enter the square-type control duct through insulating bushings in the duct or on the conduit risers.

109-5.5 WIRING AND CONNECTIONS. The Contractor shall make all necessary electrical connections in the vault per the wiring diagrams furnished and as directed by the RPR. In wiring to the terminal blocks, the Contractor shall leave sufficient extra length on each control lead to make future changes in connections at the terminal block. This shall be accomplished by running each control lead the longest way around the box to the proper terminal. Leads shall be neatly laced in place.

109-5.6 MARKING AND LABELING. All equipment, control wires, terminal blocks, etc., shall be tagged, marked, or labeled as specified below:

a. Wire identification. The Contractor shall furnish and install self-sticking wire labels or identifying tags on all control wires at the point where they connect to the control equipment or to the terminal blocks. Wire labels, if used, shall be of the self-sticking preprinted type and of the manufacturer's recommended size for the wire involved. Identification -markings designated in the plans shall be followed. Tags, if used, shall be of fiber not less than 3/4 inch (19 mm) in diameter and not less than 1/32 inch (1 mm) thick. Identification markings designated in the plans shall be stamped on tags by means of small tool dies. Each tag shall be securely tied to the proper wire by a nonmetallic cord.

b. Labels. The Contractor shall stencil identifying labels on the cases of regulators, breakers, and distribution and control relay cases with white oil paint as designated by the RPR. The letters and numerals shall be not less than one inch (25 mm) in height and shall be of proportionate width. The Contractor shall also mark the correct circuit designations per the wiring diagram on the terminal marking strips, which are a part of each terminal block.

METHOD OF MEASUREMENT

109-6.1 The quantity of vaults to be paid for under this item shall consist of the number of vaults constructed in place and accepted as a complete unit.

109-6.2 The quantity of prefabricated metal housings to be paid for under this item shall consist of the number of housings constructed in place and accepted as a complete unit.

109-6.3 The quantity of equipment to be paid for under this item shall consist of all equipment installed, connected and accepted as a complete unit ready for operation within an existing vault or prefabricated metal housing.

BASIS OF PAYMENT

109-7.1 Payment will be made at the contract unit price for each completed and accepted vault or prefabricated metal housing equipment installation. This price shall be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item L-109-7.1	Installation of 5 kW Constant Current Regulator in Place and Operational Including 5KV cutouts - per each

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-3	Specification for L-821, Panels for Remote Control of Airport Lighting
AC 150/5345-5	Circuit Selector Switch
AC 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-10	Specification for Constant Current Regulators and Regulator Monitors
AC 150/5345-13	Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits
AC 150/5345-49	Specification L-854, Radio Control Equipment; AC 150/5345-53 Airport Lighting Equipment Certification Program

American National Standards Institute / Insulated Cable Engineers Association (ANSI/ICEA)

ANSI/ICEA S-85-625	Standard for Telecommunications Cable Aircore, Polyolefin Insulated, Copper Conductor Technical Requirements

ASTM International (ASTM)

ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
ASTM C62	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)
ASTM C90	Standard Specification for Loadbearing Concrete Masonry Units
ASTM D2823	Standard Specification for Asphalt Roof Coatings, Asbestos Containing
ASTM D4479	Standard Specification for Asphalt Roof Coatings – Asbestos-Free

Commercial Item Description (CID)

A-A 59544	Cable and Wire, Electrical (Power, Fixed Installation) Institute of Electrical and Electronic Engineers (IEEE)
IEEE 1584	Guide for Performing Arc-Flash Hazard Calculations

Master Painter's Institute (MPI)

MPI Reference #9	Alkyd, Exterior, Gloss (MPI Gloss Level 6)

Underwriters Laboratories (UL)

UL Standard 6	Electrical Rigid Metal Conduit – Steel
UL Standard 514B	Conduit, Tubing, and Cable Fittings
UL Standard 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
UL Standard 651	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
UL Standard 651A	Type EB and A Rigid PVC Conduit and HDPE Conduit

National Fire Protection Association (NFPA)

NFPA-70	National Electrical Code (NEC)
NFPA-70E	Standard for Electrical Safety in the Workplace
NFPA-780	Standard for the Installation of Lightning Protection Systems

END OF ITEM L-109

ITEM L-125

INSTALLATION OF AIRPORT LIGHTING SYSTEMS

DESCRIPTION

125-1.1 This item shall consist of airport lighting systems furnished and installed in accordance with this specification, the referenced specifications, and the applicable advisory circulars (ACs). The systems shall be installed at the locations and in accordance with the dimensions, design, and details shown in the plans. This item shall include the furnishing of all equipment, materials, services, and incidentals necessary to place the systems in operation as completed units to the satisfaction of the Engineer.

EQUIPMENT AND MATERIALS

125-2.1 GENERAL.

a. Airport lighting equipment and materials covered by Federal Aviation Administration (FAA) specifications shall be certified under the Airport Lighting Equipment Certification Program in accordance with AC 150/5345-53, current version. FAA certified airfield lighting shall be compatible with each other to perform in compliance with FAA criteria and the intended operation. If the Contractor provides equipment that does not performs as intended because of incompatibility with the system, the Contractor assumes all costs to correct the system for to operate properly.

b. Manufacturer's certifications shall not relieve the Contractor of their responsibility to provide materials in accordance with these specifications and acceptable to the Engineer. Materials supplied and/or installed that do not comply with these specifications shall be removed, when directed by the Engineer and replaced with materials, which do comply with these specifications, at the sole cost of the Contractor.

c. All materials and equipment used shall be submitted to the Engineer for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Clearly mark each copy to identify pertinent products or models applicable to this project. Indicate all optional equipment and delete non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment for which they apply on each submittal sheet. Markings shall be clearly made with arrows or circles (highlighting is not acceptable). The Contractor shall be responsible for delays in the project accruing directly or indirectly from late submissions or resubmissions of submittals.

d. The data submitted shall be sufficient, in the opinion of the Engineer, to determine compliance with the plans and specifications. The Contractor's submittals shall be submitted in electronic PDF format, tabbed by specification section. The Engineer reserves the right to reject any or all equipment, materials or procedures, which, in the Engineer’s opinion, does not meet the system design and the standards and codes, specified herein.

e. All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for a period of at least twelve (12) months from final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at

the Owner's discretion, with no additional cost to the Owner. All LED light fixtures, with the exception of obstruction lighting (AC 150/5345-43), must be warranted by the manufacturer for a minimum of 4 years after date of installation inclusive of all electronics.

EQUIPMENT AND MATERIALS

125-2.2 CONDUIT/DUCT. Conduit shall conform to Specification Item L-110 Airport Underground Electrical Duct Banks and Conduits.

125-2.3 CABLE AND COUNTERPOISE. Cable and Counterpoise shall conform to Item L-108 Underground Power Cable for Airports.

125-2.4 TAPE. Rubber and plastic electrical tapes shall be Scotch Electrical Tape Numbers 23 and 88 respectively, as manufactured by 3M Company or an approved equal.

125-2.5 CABLE CONNECTIONS. Cable Connections shall conform to Item L-108 Installation of Underground Cable for Airports.

125-2.6 RETROREFLECTIVE MARKERS. Not required.

125-2.7 RUNWAY AND TAXIWAY LIGHTS. Runway and taxiway lights shall conform to the requirements of AC 150/5345-46. Lamps shall be of size and type indicated, or as required by fixture manufacturer for each lighting fixture required under this contract. Filters shall be of colors conforming to the specification for the light concerned or to the standard referenced.

Lights

L-861T (Taxiway Edge)	Mode 1	N/A	Base Mounted	Omni-directional Blue	L-830	Max. 14” from bottom of the light emitting surface to ground level

125-2.8 RUNWAY AND TAXIWAY SIGNS. Runway and Taxiway Guidance Signs should conform to the requirements of AC 150/5345-44.

Signs

Type	Size	Style	Class	Mode	Notes
L-858R	2	3	1	2	
L-858L	2	2	1	2	
L-858L	2	3	1	2	
L-858Y	2	2	1	2	
L-858B	4	3	1	2	
L-858C	3	4	1	2	Unlighted

125-2.9 RUNWAY END IDENTIFIER LIGHT (REIL). Not required.

125-2.10 PRECISION APPROACH PATH INDICATOR (PAPI). Not required.

125-2.11 CIRCUIT SELECTOR CABINET. The circuit selector cabinet is existing and will be modified as needed.

125-2.12 LIGHT BASE AND TRANSFORMER HOUSINGS. Light Base and Transformer Housings should conform to the requirements of AC 150/5345-42. Light bases shall be Type L-868 , Class [1A], Size B shall be provided as indicated or as required to accommodate the fixture or device installed thereon. Base plates, cover plates, and adapter plates shall be provided to accommodate various sizes of fixtures.

125-2.13 ISOLATION TRANSFORMERS. Isolation Transformers shall be Type L-830 , size as required for each installation. Transformer shall conform to AC 150/5345-47.

INSTALLATION

125-3.1 INSTALLATION. The Contractor shall furnish, install, connect and test all equipment, accessories, conduit, cables, wires, buses, grounds and support items necessary to ensure a complete and operable airport lighting system as specified here and shown in the plans.

The equipment installation and mounting shall comply with the requirements of the National Electrical Code and state and local code agencies having jurisdiction.

The Contractor shall install the specified equipment in accordance with the applicable advisory circulars and the details shown on the plans.

125-3.2 TESTING. All lights shall be fully tested by continuous operation for not less than 24 hours as a completed system prior to acceptance. The test shall include operating the constant current regulator in each step not less than 10 times at the beginning and end of the 24-hour test. The fixtures shall illuminate properly during each portion of the test.

125-3.3 SHIPPING AND STORAGE. Equipment shall be shipped in suitable packing material to prevent damage during shipping. Store and maintain equipment and materials in areas protected from weather and physical damage. Any equipment and materials, in the opinion of the Engineer, damaged during construction or storage shall be replaced by the Contractor at no additional cost to the owner. Painted or galvanized surfaces that are damaged shall be repaired in accordance with the manufacturer's recommendations.

125-3.4 ELEVATED AND IN-PAVEMENT LIGHTS. Water, debris, and other foreign substances shall be removed prior to installing fixture base and light.

A jig or holding device shall be used when installing each light fixture to ensure positioning to the proper elevation, alignment, level control, and azimuth control. Light fixtures shall be oriented with the light beams parallel to the runway or taxiway centerline and facing in the required direction. The outermost edge of fixture shall be level with the surrounding pavement. Surplus sealant or flexible embedding material shall be removed. The holding device shall remain in place until sealant has reached its initial set.

METHOD OF MEASUREMENT

125-4.1 Runway and taxiway lights will be measured by the number of each type installed as completed units in place, ready for operation, and accepted by the Engineer. Guidance signs will be measured by the number of each type and size installed as completed units, in place, ready for operation, and accepted by the Engineer.

BASIS OF PAYMENT

125-5.1 Payment will be made at the Contract unit price for each complete runway or taxiway light, guidance sign, reflective marker, runway end identification light, precision approach path indicator, or abbreviated precision approach path indicator installed by the Contractor and accepted by the Engineer. This payment will be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools and incidentals necessary to complete this item.

Payment will be made under:

L-125-5.1 Medium Intensity Taxiway Edge Light (L-861T), With Blue Lens, Led Lamp, 10/15 Watt Transformer, Base Mounted, In Place– Each

L-125-5.2 Sign L-858, Size 2, 1-Panel, Required Concrete Base– Each

L-125-5.3 Sign L-858, Size 2, 2-Panel, Required Concrete Base– Each

L-125-5.5 Sign L-858, Size 2, 2-Panel, Required Concrete Base, Unlighted– Each

L-125-5.6 Replace Existing Sign Panel, Complete, In Place– Each

L-125-5.7 Remove Existing Runway & Taxiway Electrical Systems– Lump Sum

L-125-5.8 Electrical Testing- Lump Sum

L-125-5.9 Connect To Existing Circuit– Lump Sum

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5340-18	Standards for Airport Sign Systems
AC 150/5340-26	Maintenance of Airport Visual Aid Facilities
AC 150/5340-30	Design and Installation Details for Airport Visual Aids AC 150/5345-5 Circuit Selector Switch
AC 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-26	Specification for L-823 Plug and Receptacle, Cable Connectors
AC 150/5345-28	Precision Approach Path Indicator (PAPI) Systems
AC 150/5345-39	Specification for L-853, Runway and Taxiway Retroreflective Markers
AC 150/5345-42	Specification for Airport Light Bases, Transformer Housings, Junction Boxes, and Accessories
AC 150/5345-44	Specification for Runway and Taxiway Signs
AC 150/5345-46	Specification for Runway and Taxiway Light Fixtures
AC 150/5345-47	Specification for Series to Series Isolation Transformers for Airport Lighting Systems
AC 150/5345-51	Specification for Discharge-Type Flashing Light Equipment
AC 150/5345-53	Airport Lighting Equipment Certification Program

Engineering Brief (EB)

EB No. 67	Light Sources Other than Incandescent and Xenon for Airport and Obstruction Lighting Fixtures

END OF ITEM L-125

S-1000 Construction Safety and Phasing Plan

S-1000-1.1 DESCRIPTION. This item provides additional notes regarding construction safety and phasing and should be used in addition to the Airport Safety Plan sheets included in the drawings.

Materials

S-1000-2.1 COORDINATION

a. Contractor Progress Meetings - The airport manager, project engineer, and contractor will hold regularly scheduled progress meetings throughout construction. Operational safety will be addressed at each meeting in addition to other agenda items.
b. Construction, Emergency, and Utility Contacts

Construction, Emergency, and Utility Contacts			
Role	**Organization**	**Name**	**Contact Information**
Airport Operations Manager	Baton Rouge Metropolitan Airport Operations Manager	Craig Alford	225-355-0333
Project Engineer	AMG	Alan Krouse	225-358-4240
Hospital	Baton Rouge General Mid-City	N/A	225-387-7000
Airport Rescue and Fire Fighting	BTR ARFF	Chief Anthony Williams	225-358-4221
Police	BTR Airport Police	Chief Anthony Williams	225-355-2068
FAA Facilities	Federal Aviation Administration	Jason Maroon	337-262-2721 (Office) 225-978-5037 (cell)
Utilities	Louisiana One (1) Call	N/A	1-800-272-3020
Contractor - Project Manager	TBD	TBD	TBD
Contractor - Superintendent	TBD	TBD	TBD
Contractor - Safety Manager	TBD	TBD	TBD

S-1000-2.2 PHASING

a. This project consists of Phase II of a two-phase project. Phase I is currently under construction and not included in this project. Phase I includes all elements of construction required to construct a fully functioning Taxiway L Extension from its tie-in to existing Taxiway L to its connection to Taxiway F. Phase I will also include the decommissioning of runway 4R-22L, decommissioning of taxiway E from taxiway L to taxiway F, and the redesignation of runway 4L-22R to 4-22. Included in the decommissioning of runway 4R-22L and taxiway E is the removal of the existing asphalt pavement, site earthwork/ grading, and new subsurface drainage improvements. Phase I work also includes milling and overlaying of the existing taxiway L.
b. Phase II of this project includes all elements of construction required to construct a fully functioning Taxiway L Extension from its connection with Taxiway F to the tie-in at Runway 22L-4R. Phase II will complete the construction of the full-length parallel taxiway to Runway 22L-4R.

c. The sequence of construction organizes the Phase II construction into subphases. See plans for additional details

S-1000-2.3 Areas of Operations Affected by Construction Activity

a. Sequence of Construction plan sheets depict maintenance of airport traffic, safety requirements and the areas located on the airfield that will be affected by construction activities for each phase of the overall project.

RUNWAY END	RSA WIDTH (DISTANCE FROM CENTERLINE)	THRESHOLD SITING SURFACE
4L	400	20:1
22R	400	34:1
13	400	34:1
31	400	20:1

LOCATION	TAXIWAY WIDTH	TAXIWAY DESIGN GROUP	TSA WIDTH (DISTANCE FROM CENTERLINE)
TXWY A	75’	V	171
TXWY B	75	V	171
TXWY C	75	V	171
TXWY D	75	V	171
TXWY E	40	II	79
TXWY F	40	II	79
TXWY G	75	V	171
TXWY H	75	V	171
TXWY J	75	V	171
TXWY K	75	V	171
TXWY L	40	II	79
TXWY P	75	V	171
TXWY Q	75	V	171

S-1000-2.4 Protection of Navigation Aids

a. The contractor is to be aware of the presence and location of FAA Subsurface cables servicing the BRMA RTR and the Runway 4L-22R Touchdown RVR and Glideslope. See plans for additional details and warnings.

S-1000-2.5 Contractor Access

a. Construction Staging – Construction access routes are identified in the plans.
b. AOA Access - Access to the air operations area (AOA) will be granted using the access gates shown in the plans. Any modification of access points, staging areas, or haul routes shown on the plans shall have written approval of the Program Manager.
c. Personal Vehicles and Construction Equipment - All contractor employees shall park personal vehicles at the designated staging area as shown in the plans. Personal vehicles will not be allowed inside the AOA. It is the responsibility of the contractor to provide vehicles that are

authorized to operate on the site. These vehicles will be identified in accordance with AC-5210-5D. At a minimum, a yellow flashing beacon shall be mounted to the uppermost part of the vehicle. In addition, the contractor shall identify employees and subcontractor employees which require unescorted access. If a vehicle or piece of equipment is not furnished with a beacon and company information, it must be escorted within the AOA by a vehicle with the proper identification.

d. Two-way radio communications – The contractor shall have at a minimum two radios and a backup radio for this project. Communication with the air traffic control tower must be maintained at all times. The contractor shall assign responsible personnel to continuously monitor the ground control frequency. Provide a radio at each separate work location.

S-1000-2.6 Wildlife Management

a. Trash – All trash generated by the contractor personnel shall be properly disposed of as food scraps can attract wildlife hazards. It is the responsibility of the contractor to make arrangements for trash removal from the site and the staging area as needed or on a weekly basis at a minimum. The Program Manager has the ability to direct the contractor to increase the frequency of trash removal if necessary.
b. Ponding - Standing water is a potential wildlife hazard that can be created from construction activity or rainfall events. Standing water shall not be allowed to stand after a rain event for longer than 48 hours. The contractor will have a pump ready at no direct cost to the project to remove standing water as necessary by pumping to the nearest subsurface drainage inlet.
c. Grass - The contractor shall maintain the staging area free from tall grass.

S-1000-2.7 Foreign Object Debris (FOD) Management

a. Clean Staging Area – The contractor shall maintain a clean project site free from FOD generated from the contractor's activities and from other airfield areas. During construction operations requiring temporary closure of airfield pavement, airport personnel will have the ability to approve the pavement as free from FOD prior to re-opening. A street sweeper or vacuum truck will be required to clean airfield pavement prior to re-opening closed areas to air traffic at no direct cost to the project.

S-1000-2.8 Hazardous Materials Management

a. The contractor shall notify the program manager immediately after any hazardous material spills. Any fuel spills or hydraulic fluid leaks shall be properly contained and cleaned. The contractor shall follow FAA AC 150/5320-15A Management of Airport Industrial Waste for additional details.

S-1000-2.9 Notification of Construction Activities

a. Contact List - A preliminary list of construction and emergency contacts is provided within this document. Upon award of the project, the contractor shall provide all appropriate contact information for its personnel and subcontractors in its SPCD. This is a living document that should be updated upon change in personnel
b. NOTAMS – NOTAMS provide timely information regarding temporary or unanticipated changes or closures to airport pavements, facilities, navigational aids, and hazards within the National Airspace System. The construction of this project will require NOTAMs to be issued. NOTAMS require a minimum of 72 hours advanced notice directed to the Program Manager. The Program Manager will coordinate with airport operations to schedule a requested closure.
c. Police and Fire Coordination – The contractor is to contact local law enforcement and the fire department in an emergency during construction activities on the airfield. The contractor shall also notify the airport manager and project engineer regarding any required

deactivation/reactivation of water lines or hydrants and the use of hazardous materials on the airfield.

S-1000-2.10 Inspection Requirements

a. Daily Inspections – The contractor shall perform daily safety inspections of vehicles and equipment for compliance to requirements stated herein.
b. As-needed inspections – Airport operations personnel, the airport manager, and the project engineer will make periodic inspections during construction to provide construction oversight and ensure the safety plan is being implemented. Airport personnel in conjunction with the program manager will approve cleaned construction areas prior to opening to air traffic.
c. The airport manager and project engineer will be providing construction oversight for the purposes of ensuring the project is being constructed in conformance with all contract documents, plans and specifications. Final acceptance of the project will be the responsibility of the airport manager and project engineer.

S-1000-2.11 Subsurface and Overhead Utilities

a. Utility warning - The contractor is advised that existing overhead and subsurface utilities exist along access routes and possible excavation areas. It shall be the contractor's responsibility to protect these existing utilities during demolition and construction. Any damage to the existing utilities caused by negligent acts of the contractor shall be repaired by the contractor at their expense.
b. Louisiana One (1) Call - The contractor shall contact Louisiana One (1) Call at 1800-272-3020 a minimum of 48 hours prior to the beginning of construction in the work area.
c. Contacts – A preliminary contact list has been provided herein this document for utility coordination purposes.
d. FAA Subsurface Cables – The contractor shall coordinate with the airport manager and project engineer to have all FAA cables marked prior to beginning subsurface work in an area. Provide 72 hours notice prior to beginning work. Excavation may conflict with existing subsurface utilities and/or FAA NAVAID cables. The contractor is to exercise extreme caution when excavating. Should NAVAID service be interrupted due to construction activities the contractor shall immediately notify Airport Operations and the SSC Coordinator. The contractor is responsible for any repairs to damaged lines at no additional cost to the owner.

S-1000-2.12 Penalties

a. Contractor violation of this safety plan will be penalized as follows.
    a. 1st Occurrence: Verbal warning
    b. 2nd Occurrence: Written warning and $500 fine
    c. 3rd Occurrence: Written warning and $1,000 fine
    d. 4th Occurrence: Individual will be removed from project

S-1000-2.13 Special Conditions

a. Full compensation for all costs and time delays involved in rescheduling or temporary delays cause by airport operations shall be considered as included in the contract unit prices for each item of work and included in the contract duration.

S-1000-2.14 Runway and Taxiway Visual Aids

a. Taxiway Temporary Closures - The contractor shall provide low-profile barricades for temporary taxiway closures at all taxiway and runway entrances.
b. Lighted "X" - For runway closures of extended durations, the contractor will be responsible for providing a lighted "X" for placement on the runway indicating closure. This requirement will be coordinated with the program manager and airport operations.

c. Contractor Equipment – The contractor shall provide and maintain low-profile barricades where required at no direct pay. The placement od barricades shall be such that restricts vehicle access and makes closures and hazards visible to aircraft.
d. FAA Equipment – All construction involving NAVAIDS and other FAA owned equipment shall be in accordance with the plans and specifications.

S-1000-2.15 Marking and Signs for Access Routes

a. No pavement marking or sign installation on airport property for purposes of access routes is anticipated as part of this project.

S-1000-2.16 Hazard Marking and Lighting

a. Low profile barricades shall be used to prevent aircraft from entering closed airfield pavement. Proposed locations are shown on Sequence of Construction sheets contained in the plan set. The contractor shall describe additional methods of required traffic control, if required in the SPCD.

S-1000-2.17 Protection of RSA/TSA, OFA, and Approach/Departure Surfaces

a. Runway Safety Area (RSA) - All work within the Runway Safety Area (RSA) or Taxiway Safety Area (TSA) will require a temporary runway or taxiway closure. No work shall be permitted within an active RSA or TSA. The RSA and TSA shall be re-graded after construction activities are complete in the work area to eliminate ruts, humps, and depressions.
b. Trenches - Trenches within the RSA shall be backfilled or appropriately covered prior to the runway being open to traffic.
c. Runway Object Free Area (ROFA) – No material shall be stockpiled within the ROFA.
d. Taxiway Object Free Area (TOFA) – All work within the TOFA will require a temporary taxiway closure unless the taxiway has been restricted through a NOTAM to taxiway design group aircraft requiring a TOFA equal to the TOFA available during the construction activities.
e. Approach/Departure Surfaces – The contractor shall be required to keep all equipment, stockpiles and personnel clear of the threshold siting surfaces listed in **Section S-1000-2.3**. Any penetrations required by contractor vehicles, personnel or equipment will require a runway closure to be coordinated with the airport manager and project engineer. The use of tall equipment including cranes and concrete pumps is prohibited.

MEASUREMENT AND PAYMENT

S-1000 MEASUREMENT AND PAYMENT.

a. Adherence to the Construction Safety and Phasing Plan will not be measured for payment.

END OF ITEM S-1000