



Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

January 9, 2024

SUBJECT: Effingham County Airport
Effingham, Illinois
Effingham County
Illinois Project Number: 1H2-4982
SBG Project Number: N/A
Contract No. EF010
Item No. 06A, January 19, 2024, Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

Reason for Addendum:

1. The stockpile grading elevations have been updated; however, the footprint and location remain the same.
2. Two additional MITL base mounted LED taxiway lights have been added (Additive Alternative 1).
3. The tack coat quantity has been increased (Additive Alternative 1).
4. Additional sheet clarifications have been added.

To All Plan Holders:

Replace plan sheets with the attached documents and note the items below. Special attention should be made to the quantity changes.

Plan Changes:

1. SHEET 3 – SUMMARY OF QUANTITIES
 - a. The “SUMMARY OF QUANTITIES – ADD. ALT. 1 (TAXIWAY A EXTENSION)” table has been revised to reflect the following changes:
 - i. AS125416 MITL-BASE MOUNTED-LED quantity has been increased by two (2) each.
 - ii. AS603510 BITUMINOUS TACK COAT has been increased by one thousand, four hundred (1,400) gallons.

2. SHEETS 5 -12 – TRAFFIC CONTROL AND CONSTRUCTION PHASING SHEETS
 - a. The stockpile footprint will remain the same; however, the elevations and slopes have been adjusted to enhance line of sight between runway threshold 19 and the proposed runway threshold 29.
 - b. Added note by haul route that states “Existing gate to be closed when not in use. Provide R5-1 ‘Do Not Enter’ Traffic Signs (Incidental).”
3. SHEET 5 – TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 1
 - a. Added 500-foot offset for the Automated Weather Observing System (AWOS). The offset is for FAA purposes.
 - b. Added 1,00-foot offset for the Automated Weather Observing System (AWOS). The offset is for FAA review purposes.
 - c. Clarified that Additive Alternative 2 consist of “Panel replacement within 276 feet of runway end.”
4. SHEET 8 – TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 3
 - a. Added clarifying note that “All grading within 270 feet of the proposed runway centerline extension must be completed.”
 - b. Note 2 now states that “The temporary chevrons will be placed during completed lime-modified areas, crushed aggregate areas, and/or PCC pavement sections. The chevrons will be removed and replaced as each subsequent paving operation proceeds, not at the completion of each operation. The temporary chevrons will be in place at the end of each working day.”
 - c. Updated stockpile critical points.
 - d. Add threshold line of sight line for FAA purposes.
5. SHEET 16 – TYPICAL SECTIONS
 - a. Added annotation depicting the 1.5-inch drop-off from the edge of pavement to the adjacent unpaved areas.
 - b. The “Typical Section – Proposed Taxiway Extension” includes “2 LIFTS” for the proposed 4-inch bituminous base course section. The note helps state the requirements in the Standard Specifications. Section 403-1.1 of the Standard Specifications states that “The HMA base course shall be laid in a maximum of two (2) inch lifts.”
 - c. A note was added to clarify that the soil stabilization fabric is placed over the lime-modified subgrade, or 12 inches beyond the surface pavement edge.
6. SHEET 26 – PROPOSED PLAN AND PROFILE TWY A - STA. 38+00 TO STA. 42+27
 - a. The elevation band was updated to reflect existing elevations and proposed elevations.

7. SHEET 29 – PROPOSED PLAN AND PROFILE UNDERDRAIN STA. 100+00 TO STA. 112+00
 - a. Moved overlapping notes.
8. SHEET 30 – PROPOSED PLAN AND PROFILE UNDERDRAIN STA. 112+00 TO STA. 123+00
 - a. Added clarifying note that underdrains will be tied into proposed RCPs.
9. SHEET 32 – PROPOSED PLAN AND PROFILE UNDERDRAIN STA. 213+00 TO STA. 222+35
 - a. Added clarifying note that underdrains will be tied into proposed RCPs.
10. SHEET 39 – PROPOSED JOINTING PLAN RWY 11-29 - STA. 157+50 TO STA. 162+00
 - a. Added clarifying dimensions.
11. SHEET 40 – PROPOSED JOINTING PLAN RWY 11-29 - STA. 162+00 TO STA. 170+00
 - a. Added clarifying dimensions.
 - b. Added clarifying note that the end of the runway will be a thickened edge.
12. SHEET 42 – PROPOSED EROSION AND SEDIMENT CONTROL PLAN SHEET 1
 - a. Silt fence called out from Sta. 151+61.05, 194.03 RT to Sta 152+11.05, 244.03 RT was shown as 50 feet instead of 100 feet. No quantity changes.
 - b. Added clarifying note to protect AWOS/Power cables during hauling operations.
13. SHEET 46 – UNDERDRAIN DETAILS SHEET 1
 - a. Geotextile is now shown.
14. SHEET 50 – PROPOSED MARKING PLAN -STA. 132+00 TO STA. 154+00
 - a. Added Marking Schedule for Additive Alternative 1
15. SHEET 65 – PROPOSED ELECTRICAL PLAN - STA. 159+50 TO STA. 170+50
 - a. Added base mounted taxiway exit light R1-22A.
 - b. Added base mounted taxiway exit light R1-22B.
16. SHEET 95 – 110 STOCKPILE CROSS SECTION (STA 3+84 TO 10+90)
 - a. Updated elevations / grading.

Special Provisions Changes:

No changes.

Schedule of Prices Changes:

1. AS125416 MITL-BASE MOUNTED-LED – Add 2 EACH.
2. AS603510 BITUMINOUS TACK COAT – Add 1,400 GALLON.

Prime contractors must utilize the enclosed material when preparing their bid and must include any changes to the Schedule of Prices in their bid.

Questions on this addendum may be directed to Mike Dudas of Hanson Professional Services Inc. at 217-747-9297 or mdudas@hanson-inc.com.

END OF ADDENDUM A



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE EXPIRES: 11/30/2025

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: G-002-SQQ.DWG

DESIGN BY: MJD 10/16/2023

DRAWN BY: HLE 10/16/2023

REVIEWED BY: MJD 11/17/2023

SHEET TITLE

SUMMARY OF
QUANTITIES

FOR BID

SUMMARY OF QUANTITIES - BASE BID

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR107508	L-806 WC 8" INTERNALLY LIT	EACH	1	
AR108108	1/C #8 5 KV UG CABLE	FOOT	4,600	
AR109200	INSTALL ELECTRICAL EQUIPMENT	L SUM	1	
AR110202	2 PVC DUCT, DIRECT BURY	FOOT	4,000	
AR125510	MIRL, BASE MOUNTED	EACH	10	
AR125545	MI THRESHOLD LIGHT BASE MTD	EACH	8	
AR125565	SPLICE CAN	EACH	4	
AR125931	REPLACE LIGHT LENSE	EACH	10	
AR125967	RELOCATE REILS	PAIR	1	
AR150510	ENGINEER'S FIELD OFFICE	L SUM	1	
AR150520	MOBILIZATION	L SUM	1	
AR150530	TRAFFIC MAINTENANCE	L SUM	1	
AR150540	HAUL ROUTE	L SUM	1	
AR152410	UNCLASSIFIED EXCAVATION	CU YD	82,192	
AR152540	SOIL STABILIZATION FABRIC	SQ YD	10,430	
AR155530	HYDRATED LIME	TON	260.0	
AR155712	LIME-MODIFIED SUBGRADE-12"	SQ YD	10,430	
AR156510	SILT FENCE	FOOT	3,725	
AR156511	DITCH CHECK	EACH	58	
AR156533	TEMPORARY SEED AND MULCH	ACRE	52.5	
AR161900	REMOVE CLASS C FENCE	FOOT	1,240	
AR209606	CRUSHED AGG. BASE COURSE-6"	SQ YD	10,660	
AR501510	10" PCC PAVEMENT	SQ YD	10,205	
AR501530	PCC TEST BATCH	EACH	1	
AR501900	REMOVE PCC PAVEMENT	SQ YD	1,010	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	21,410	
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	4,955	
AR620900	PAVEMENT MARKING REMOVAL	SQ FT	30,360	
AR620912	TEMPORARY MARK & LIGHT	L SUM	1	
AR701512	12" RCP, CLASS IV	FOOT	432	
AR701536	36" RCP, CLASS IV	FOOT	184	
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	FOOT	1,930	
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	3	
AR705640	UNDERDRAIN CLEANOUT	EACH	2	
AR705900	REMOVE UNDERDRAIN	FOOT	160	
AR705903	REMOVE UNDERDRAIN INSP. HOLE	EACH	1	
AR752412	PRECAST REINFORCED CONC. FES 12"	EACH	6	
AR752436	PRECAST REINFORCED CONC. FES 36"	EACH	2	
AR800476	REMOVE AIRFIELD LIGHTING	L SUM	1	
AR800564	CABLE & CCR TESTING & CALIBRATION	L SUM	1	
AR901510	SEEDING	ACRE	52.5	
AR908510	MULCHING	ACRE	52.5	

SUMMARY OF QUANTITIES - ADD. ALT. 1 (TAXIWAY A EXTENSION)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AS108108	1/C #8 5 KV UG CABLE	FOOT	550	
AS108158	1/C #8 5 KV UG CABLE IN UD	FOOT	4,750	
AS109311	7.5 KW REGULATOR, STYLE 1	EACH	1	
AS110202	2" PVC DUCT, DIRECT BURY	FOOT	500	
AS110503	3-WAY CONCRETE ENCASED DUCT	FOOT	60	
AS115610	ELECTRICAL HANDHOLE	EACH	2	
AS125411	MITL-STAKE MOUNTED-LED	EACH	23	
AS125416	MITL-BASE MOUNTED-LED	EACH	16	
AS125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EACH	1	
AS125470	MODIFY EXISTING SIGN PANEL	EACH	1	
AS125921	REPLACE STAKE MOUNTED LIGHT	EACH	36	
AS125922	REPLACE BASE MOUNTED LIGHT	EACH	8	
AS152410	UNCLASSIFIED EXCAVATION	CU YD	50	
AS152540	SOIL STABILIZATION FABRIC	SQ YD	9,605	
AS154604	GRANULAR DRAINAGE SUBBASE-4"	SQ YD	10,100	
AS155530	HYDRATED LIME	TON	240.0	
AS155712	LIME MODIFIED SUBGRADE-12"	SQ YD	9,605	
AS209606	CRUSHED AGG. BASE COURSE-6"	SQ YD	9,360	
AS401613	BIT. SURF. CSE. -METHOD I, SUPERPAVE	TON	1,050.0	
AS401900	REMOVE BITUMINOUS PAVEMENT	SQ YD	105	
AS403613	BIT. BASE COURSE-METHOD I SUPERPAVE	TON	2,160.0	
AS602510	BITUMINOUS PRIME COAT	GALLON	3,280	
AS603510	BITUMINOUS TACK COAT	GALLON	2,810	
AS620520	PAVEMENT MARKING-WATERBORNE	SQ FT	2,366	
AS620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	2,438	
AS705524	4" PERFORATED UNDERDRAIN W/SOCK	FOOT	4,450	
AS705630	UNDERDRAIN INSPECTION HOLE	EACH	8	
AS705640	UNDERDRAIN CLEANOUT	EACH	4	
AS705900	REMOVE UNDERDRAIN	FOOT	160	
AS705903	REMOVE UNDERDRAIN INSP. HOLE	EACH	1	

SUMMARY OF QUANTITIES - ADD. ALT. 2 (PCC PANEL REPAIR)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AT152410	UNCLASSIFIED EXCAVATION	CU YD	1,310	
AT152540	SOIL STABILIZATION FABRIC	SQ YD	2,905	
AT155530	HYDRATED LIME	TON	80.0	
AT155712	LIME MODIFIED SUBGRADE-12"	SQ YD	2,905	
AT209606	CRUSHED AGG. BASE COURSE-6"	SQ YD	2,950	
AT501510	10" PCC PAVEMENT	SQ YD	2,860	
AT501900	REMOVE PCC PAVEMENT	SQ YD	2,860	



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE 11/30/2025 EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

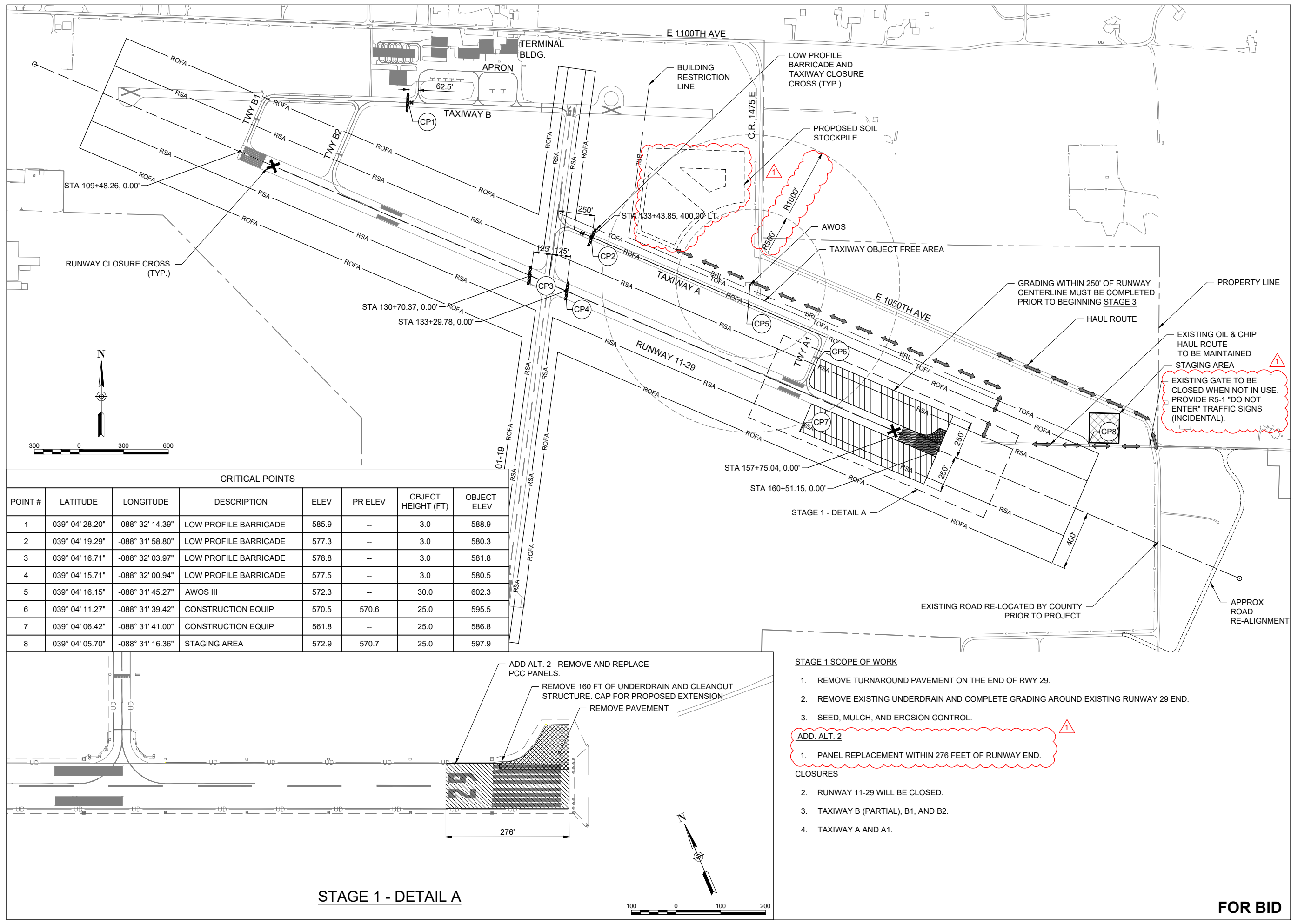
IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION			
		DES	DWN	REV	
1	1/4/2024	ADDENDUM A	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-101-SFY.DWG
DESIGN BY: MJD 10/5/2023
DRAWN BY: MJD 10/5/2023
REVIEWED BY: MJD 11/17/2023

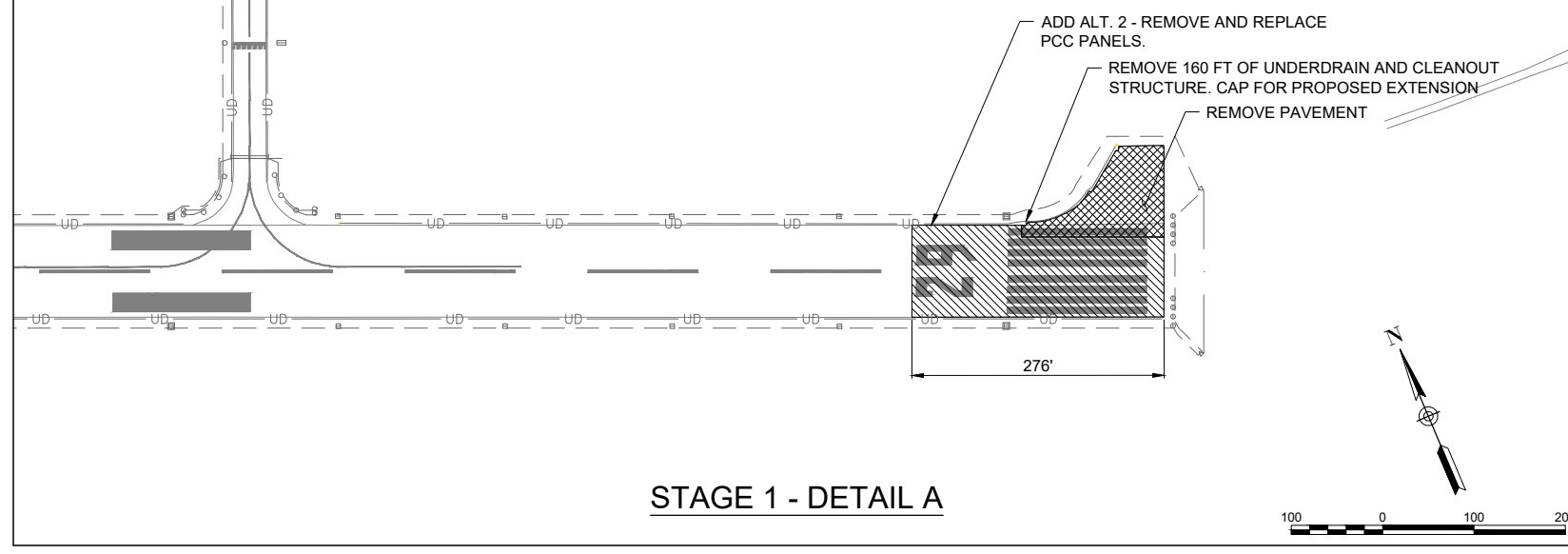
SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 1



CRITICAL POINTS

POINT #	LATITUDE	LONGITUDE	DESCRIPTION	ELEV	PR ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV
1	039° 04' 28.20"	-088° 32' 14.39"	LOW PROFILE BARRICADE	585.9	--	3.0	588.9
2	039° 04' 19.29"	-088° 31' 58.80"	LOW PROFILE BARRICADE	577.3	--	3.0	580.3
3	039° 04' 16.71"	-088° 32' 03.97"	LOW PROFILE BARRICADE	578.8	--	3.0	581.8
4	039° 04' 15.71"	-088° 32' 00.94"	LOW PROFILE BARRICADE	577.5	--	3.0	580.5
5	039° 04' 16.15"	-088° 31' 45.27"	AWOS III	572.3	--	30.0	602.3
6	039° 04' 11.27"	-088° 31' 39.42"	CONSTRUCTION EQUIP	570.5	570.6	25.0	595.5
7	039° 04' 06.42"	-088° 31' 41.00"	CONSTRUCTION EQUIP	561.8	--	25.0	586.8
8	039° 04' 05.70"	-088° 31' 16.36"	STAGING AREA	572.9	570.7	25.0	597.9



- STAGE 1 SCOPE OF WORK**
1. REMOVE TURNAROUND PAVEMENT ON THE END OF RWY 29.
 2. REMOVE EXISTING UNDERDRAIN AND COMPLETE GRADING AROUND EXISTING RUNWAY 29 END.
 3. SEED, MULCH, AND EROSION CONTROL.
- ADD. ALT. 2**
1. PANEL REPLACEMENT WITHIN 276 FEET OF RUNWAY END.
- CLOSURES**
2. RUNWAY 11-29 WILL BE CLOSED.
 3. TAXIWAY B (PARTIAL), B1, AND B2.
 4. TAXIWAY A AND A1.

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FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

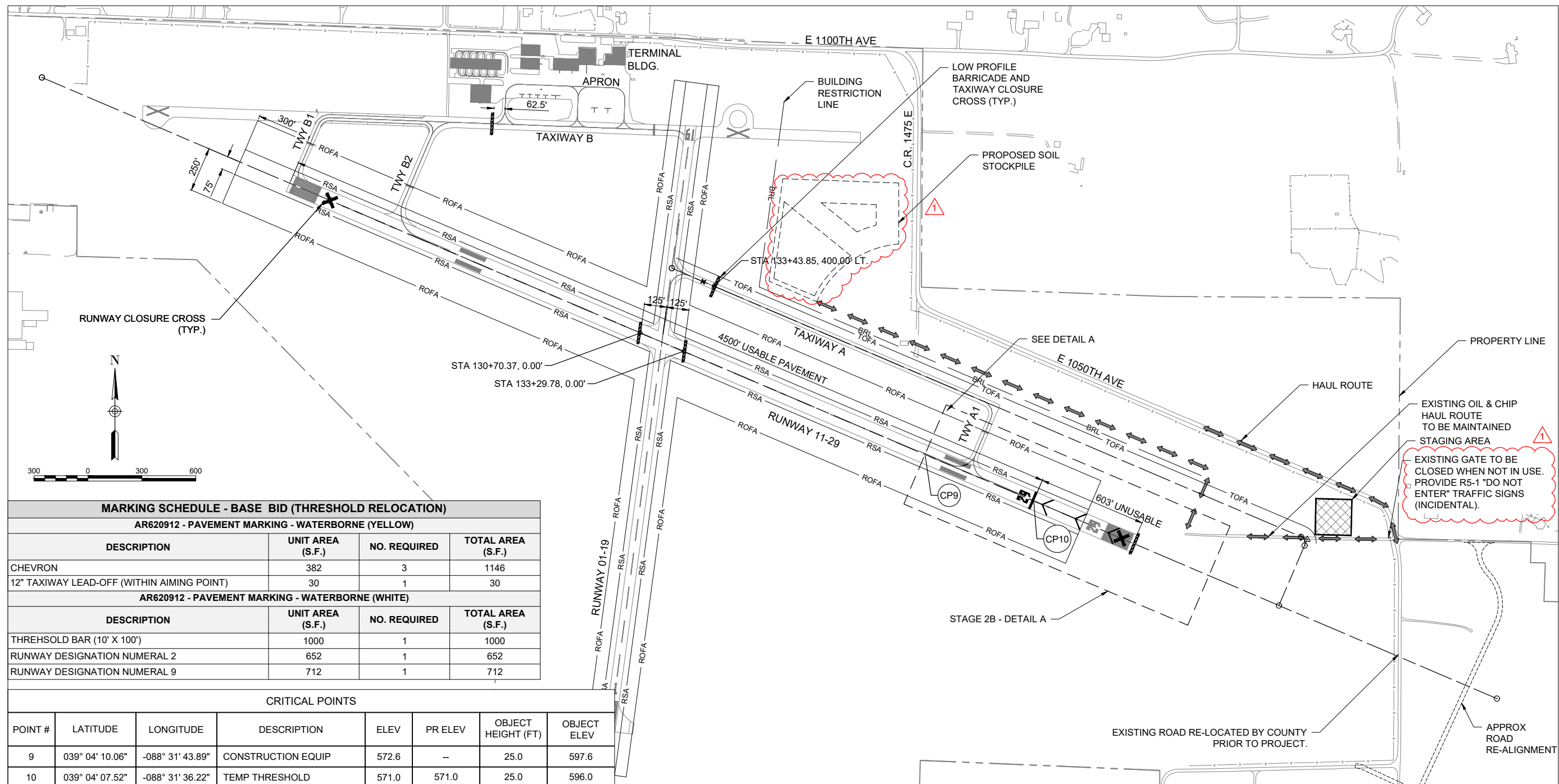
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		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-101-SFY.DWG
DESIGN BY: MJD 10/5/2023
DRAWN BY: MJD 10/5/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 2A



MARKING SCHEDULE - BASE BID (THRESHOLD RELOCATION)

AR620912 - PAVEMENT MARKING - WATERBORNE (YELLOW)

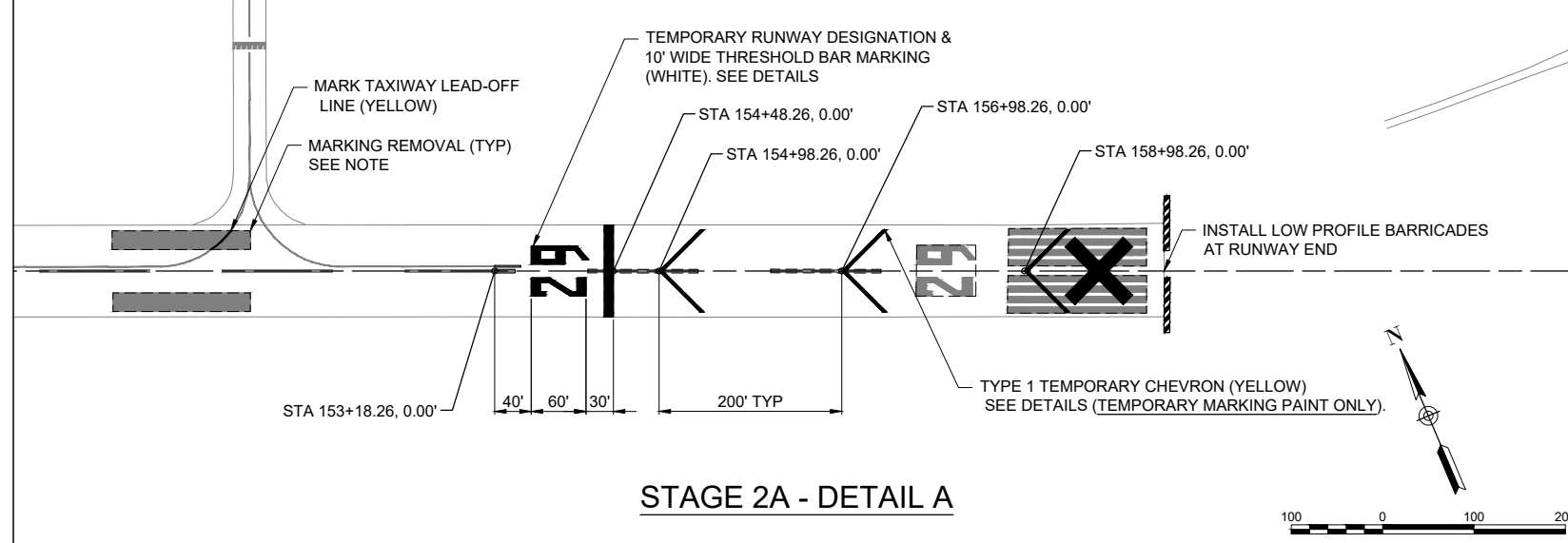
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
CHEVRON	382	3	1146
12" TAXIWAY LEAD-OFF (WITHIN AIMING POINT)	30	1	30

AR620912 - PAVEMENT MARKING - WATERBORNE (WHITE)

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
THRESHOLD BAR (10' X 100')	1000	1	1000
RUNWAY DESIGNATION NUMERAL 2	652	1	652
RUNWAY DESIGNATION NUMERAL 9	712	1	712

CRITICAL POINTS

POINT #	LATITUDE	LONGITUDE	DESCRIPTION	ELEV	PR ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV
9	039° 04' 10.06"	-088° 31' 43.89"	CONSTRUCTION EQUIP	572.6	--	25.0	597.6
10	039° 04' 07.52"	-088° 31' 36.22"	TEMP THRESHOLD	571.0	571.0	25.0	596.0



STAGE 2A SCOPE OF WORK

1. STAGE 2A AND 2B MAY BE COMPLETED SIMULTANEOUSLY OR IN EITHER ORDER.
2. REDUCE RUNWAY 11-29 CLASSIFICATION TO B-II FOR DURATION OF THE PROJECT (COMPLETED BY AIRPORT).
3. REMOVE MARKINGS AND PLACE TEMPORARY MARKINGS FOR TEMPORARY THRESHOLD, AS SHOWN.
4. STAGE 3 GRADING MAY BEGIN.

CLOSURES

1. RUNWAY 11-29 WILL BE CLOSED.
2. TAXIWAY B (PARTIAL), B1, AND B2. TAXIWAY A AND A1.

NOTES

1. THE PHYSICAL REMOVAL OF MARKINGS FOR THRESHOLD BARS AND NUMERALS MUST INCLUDE A PRE-DETERMINED LARGER SIZE AND SHAPE OF A REMOVAL AREA THAT ENCOMPASSES THE OLD MARKING(S) AND BY GROUPING ADJACENT MARKINGS TOGETHER INTO A LARGER RECTANGULAR REMOVAL AREA.
2. TEMPORARY PAVEMENT MARKING AND REMOVAL WILL BE COMPLETED UNDER AR620912. NO INDIVIDUAL MEASUREMENTS WILL BE MADE FOR PAYMENT. ALL EFFORT ASSOCIATED WITH MOVING THE THRESHOLD WILL BE PAID FOR AS LUMP SUM.

FOR BID



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE EXPIRES: 11/30/2025

EXTEND RUNWAY 11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

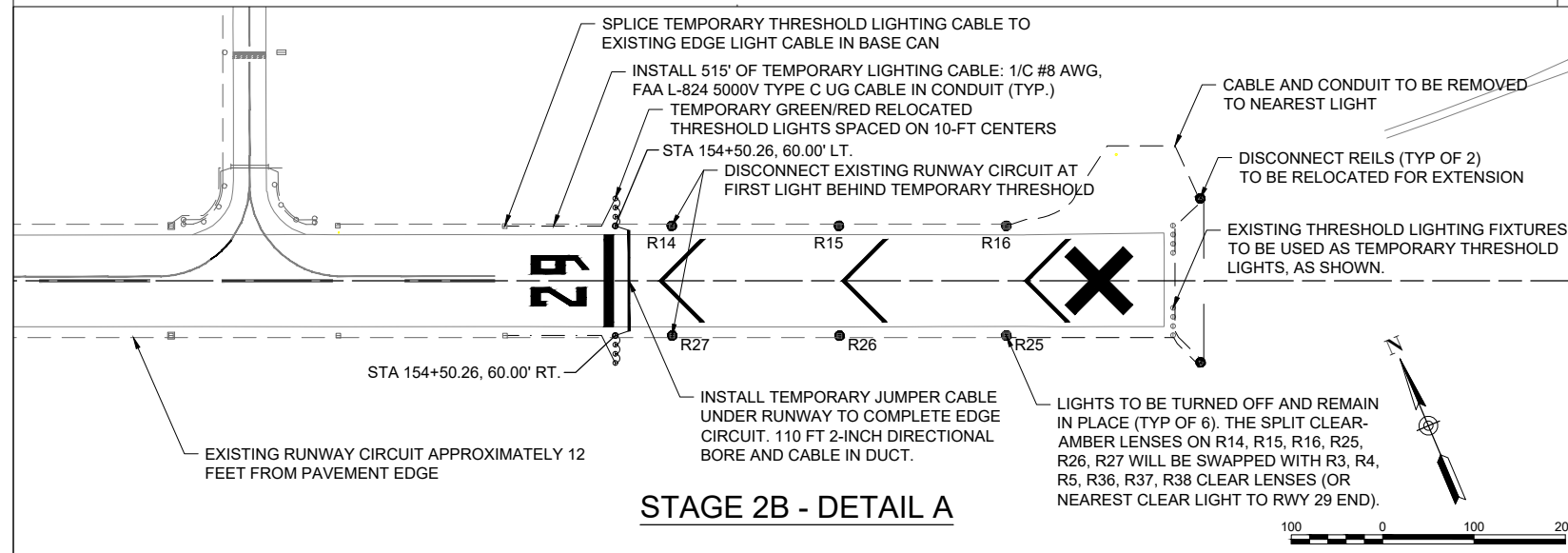
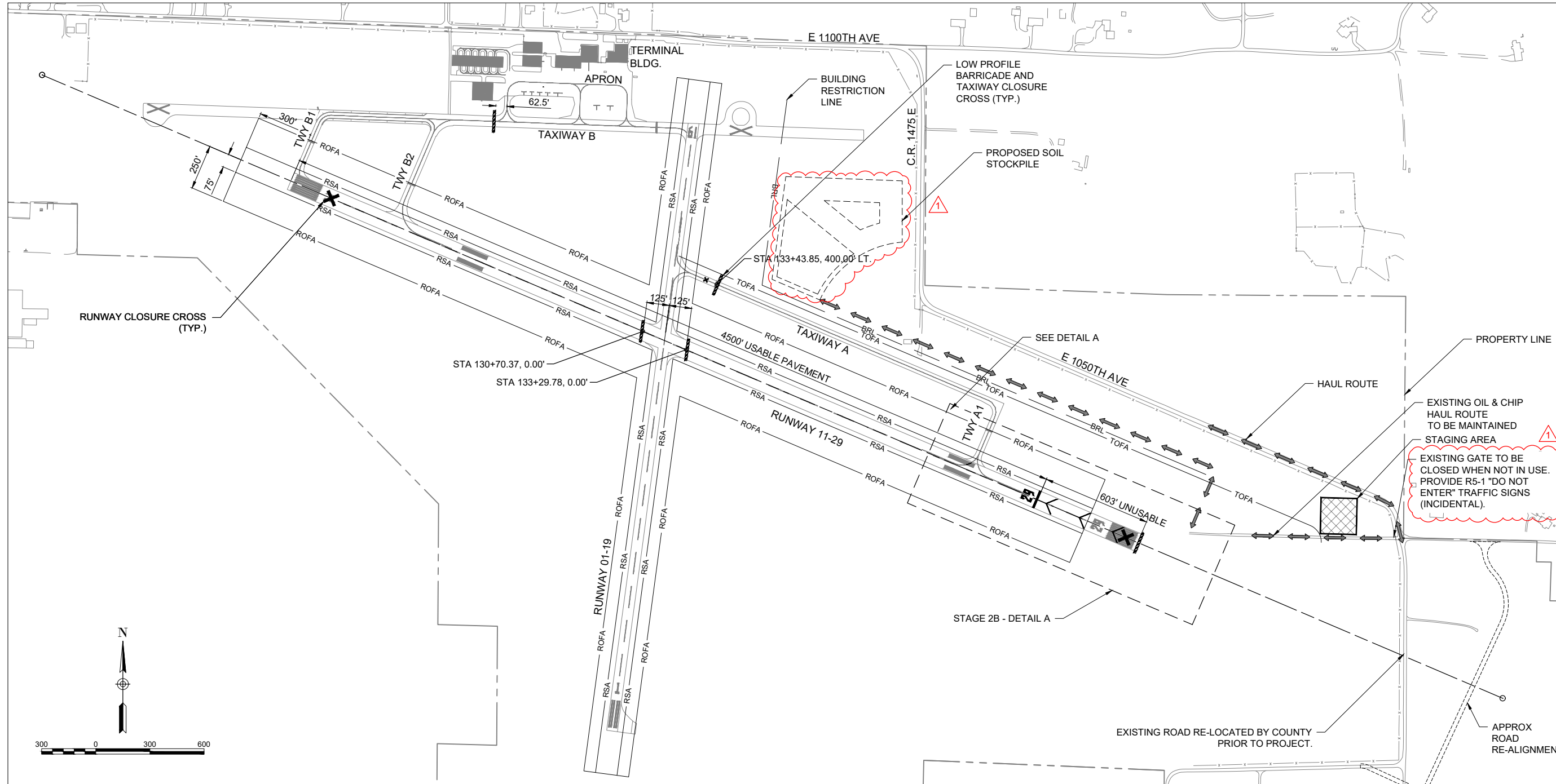
NO.	DATE	DESCRIPTION		
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1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
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DESIGN BY: MJD 08/23/2023
DRAWN BY: MJD 09/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 2B

FOR BID



STAGE 2B SCOPE OF WORK

1. STAGE 2A AND 2B MAY BE COMPLETED SIMULTANEOUSLY OR IN EITHER ORDER.
2. STAGE 3 GRADING MAY BEGIN.
3. MOVE THRESHOLD LIGHTING.

CLOSURES

1. RUNWAY 11-29 WILL BE CLOSED.
2. TAXIWAY B (PARTIAL), B1, AND B2. TAXIWAY A AND A1.

NOTES

1. TEMPORARY LIGHTING WILL BE COMPLETED UNDER AR620912. NO INDIVIDUAL MEASUREMENTS WILL BE MADE FOR PAYMENT. ALL EFFORT ASSOCIATED WITH MOVING THE THRESHOLD WILL BE PAID FOR AS LUMP SUM.
2. CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT TEMPORARY THRESHOLD INSTALLATION WILL HAVE FUNCTIONAL TRANSFORMERS AND STAKES FOR SAFE INSTALLATION.
3. **CONTRACTOR SHALL SHUTOFF AIRFIELD LIGHTING CIRCUITS PRIOR TO WORK, AND SHALL PRACTICE LOCKOUT/TAGOUT PROCEDURES FOR SAFETY OF PERSONNEL.**

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Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

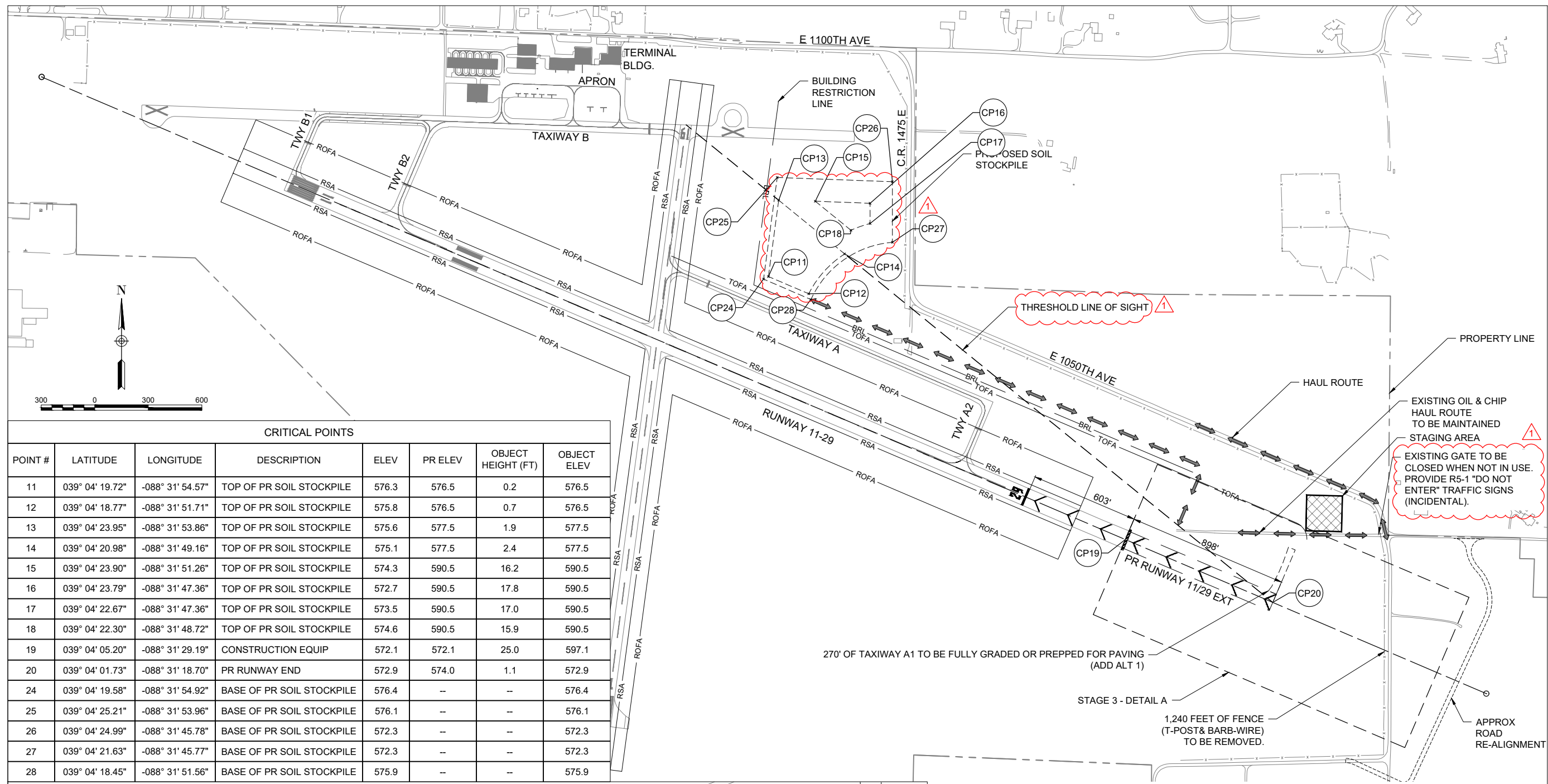
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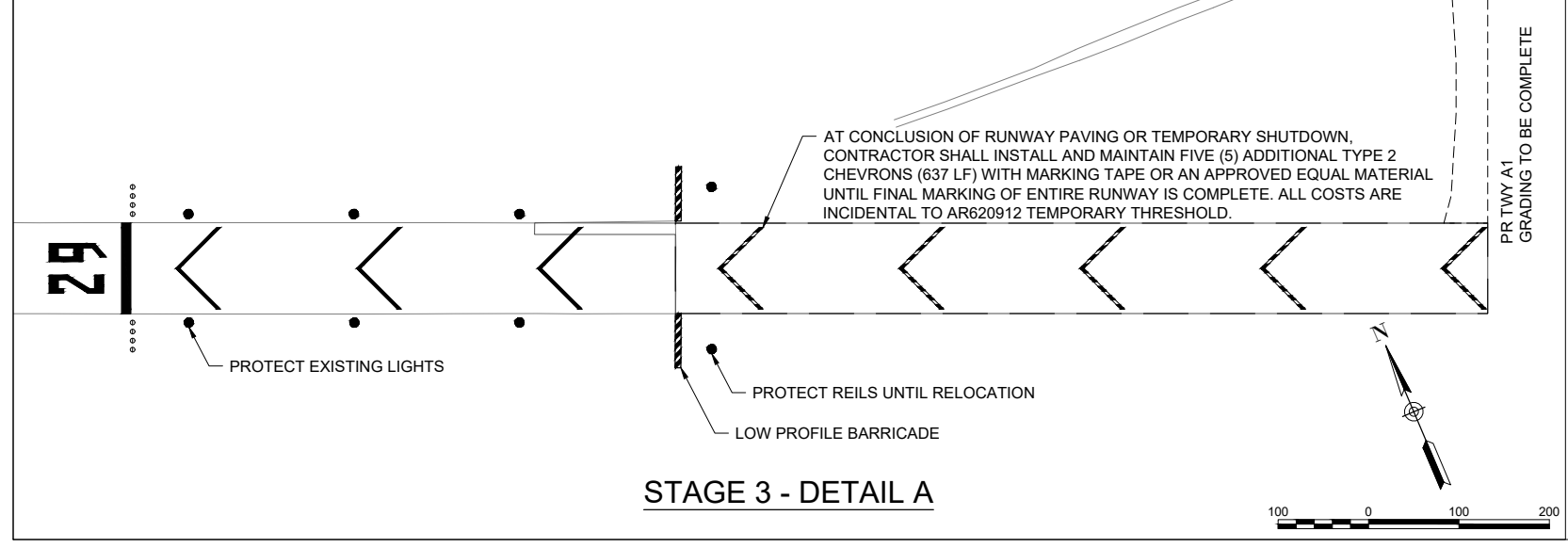
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DESIGN BY: MJD 08/23/2023
DRAWN BY: MJD 09/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL
AND CONSTRUCTION
PHASING - STAGE 3



CRITICAL POINTS							
POINT #	LATITUDE	LONGITUDE	DESCRIPTION	ELEV	PR ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV
11	039° 04' 19.72"	-088° 31' 54.57"	TOP OF PR SOIL STOCKPILE	576.3	576.5	0.2	576.5
12	039° 04' 18.77"	-088° 31' 51.71"	TOP OF PR SOIL STOCKPILE	575.8	576.5	0.7	576.5
13	039° 04' 23.95"	-088° 31' 53.86"	TOP OF PR SOIL STOCKPILE	575.6	577.5	1.9	577.5
14	039° 04' 20.98"	-088° 31' 49.16"	TOP OF PR SOIL STOCKPILE	575.1	577.5	2.4	577.5
15	039° 04' 23.90"	-088° 31' 51.26"	TOP OF PR SOIL STOCKPILE	574.3	590.5	16.2	590.5
16	039° 04' 23.79"	-088° 31' 47.36"	TOP OF PR SOIL STOCKPILE	572.7	590.5	17.8	590.5
17	039° 04' 22.67"	-088° 31' 47.36"	TOP OF PR SOIL STOCKPILE	573.5	590.5	17.0	590.5
18	039° 04' 22.30"	-088° 31' 48.72"	TOP OF PR SOIL STOCKPILE	574.6	590.5	15.9	590.5
19	039° 04' 05.20"	-088° 31' 29.19"	CONSTRUCTION EQUIP	572.1	572.1	25.0	597.1
20	039° 04' 01.73"	-088° 31' 18.70"	PR RUNWAY END	572.9	574.0	1.1	572.9
24	039° 04' 19.58"	-088° 31' 54.92"	BASE OF PR SOIL STOCKPILE	576.4	--	--	576.4
25	039° 04' 25.21"	-088° 31' 53.96"	BASE OF PR SOIL STOCKPILE	576.1	--	--	576.1
26	039° 04' 24.99"	-088° 31' 45.78"	BASE OF PR SOIL STOCKPILE	572.3	--	--	572.3
27	039° 04' 21.63"	-088° 31' 45.77"	BASE OF PR SOIL STOCKPILE	572.3	--	--	572.3
28	039° 04' 18.45"	-088° 31' 51.56"	BASE OF PR SOIL STOCKPILE	575.9	--	--	575.9



STAGE 3 SCOPE OF WORK

- STAGE 3 MAY NOT OCCUR UNTIL ALL TEMPORARY MARKING HAS BEEN PLACED, LIGHTING IS IN WORKING ORDER, AND THE AIRPORT MANAGER HAS APPROVED OPENING.
- STAGE 3, STAGE 4, AND STAGE 5 MAY BE COMBINED WITH APPROVAL FROM THE AIRPORT MANAGER.
- CONSTRUCT RUNWAY 11/29 PCC EXTENSION THAT INCLUDES LIME STABILIZATION AND CRUSHED AGGREGATE PLACEMENT. ALL GRADING WITHIN 270 FEET OF THE PROPOSED RUNWAY CENTERLINE EXTENSION MUST BE COMPLETED. INSTALL CULVERTS, INSTALL UNDERDRAINS, SEED, AND MULCH.

ADD ALT NO. 1

- PREPARE PROPOSED TAXIWAY A1 SECTION FOR PAVING PRIOR TO STARTING STAGE 4.

CLOSURES

- NO AIRFIELD CLOSURES.

NOTES

- IF AWARDED, TAXIWAY A1 WILL BE RE-NAMED TO TAXIWAY A2, AS SHOWN.
- THE TEMPORARY CHEVRONS WILL BE PLACED DURING COMPLETED LIME-MODIFIED AREAS, CRUSHED AGGREGATE AREAS, AND/OR PCC PAVEMENT SECTIONS. THE CHEVRONS WILL BE REMOVED AND REPLACED AS EACH SUBSEQUENT PAVING OPERATION PROCEEDS; NOT AT THE COMPLETION OF EACH OPERATION. THE TEMPORARY CHEVRONS WILL BE IN PLACE AT THE END OF EACH WORKING DAY.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-101-SFY.DWG

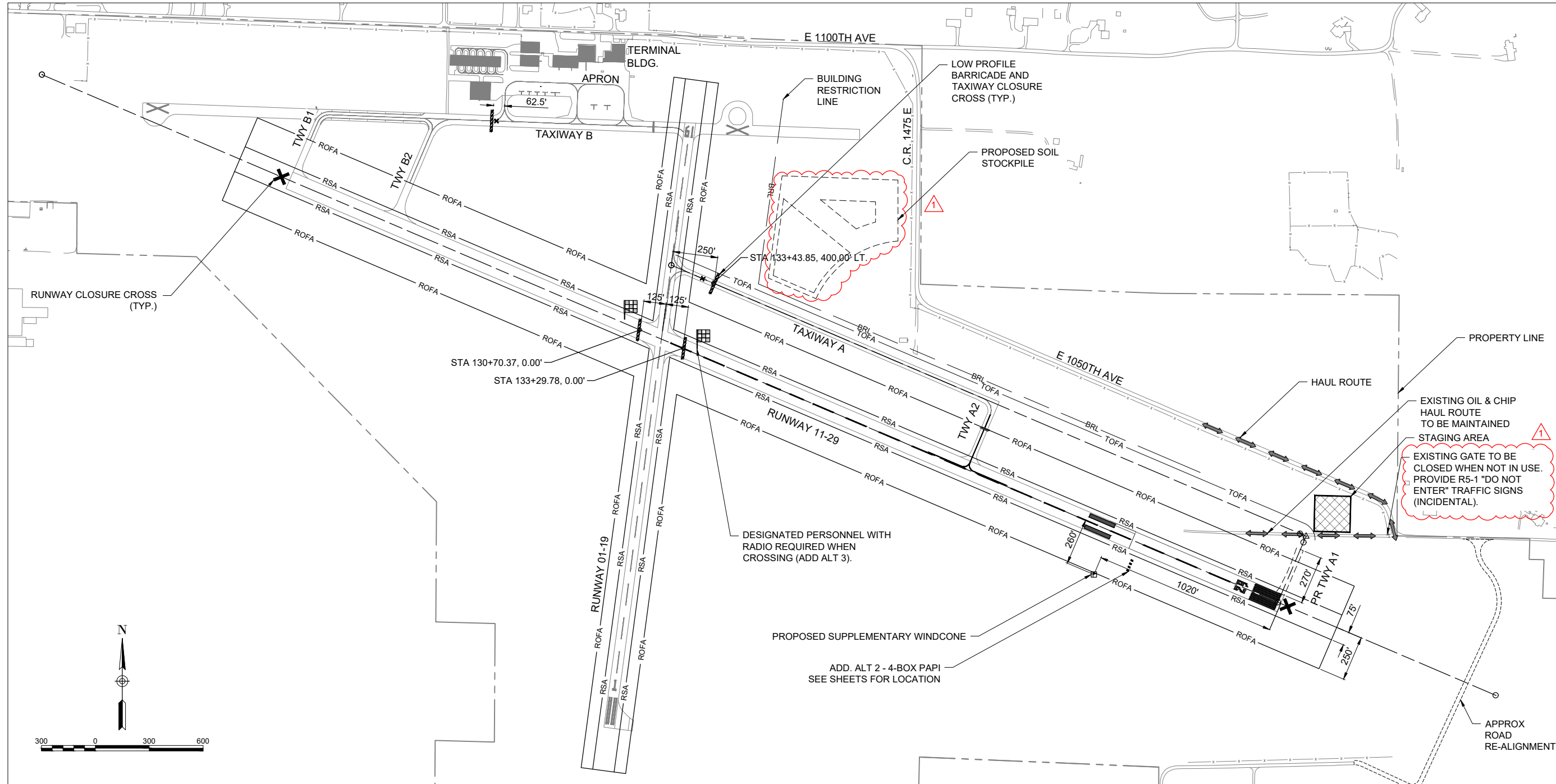
DESIGN BY: MJD 08/23/2023

DRAWN BY: MJD 09/27/2023

REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 4A



STAGE 4A SCOPE OF WORK

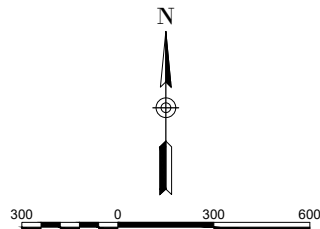
1. THE AIRPORT MAY GRANT PERMISSION TO COMBINE STAGE 3 AND 4.
2. COMPLETE RUNWAY MARKING AND ASSOCIATED MARKING REMOVAL.
3. REIL RE-LOCATION.
4. RUNWAY LIGHTING INSTALLATION.
5. WINDCONE INSTALLATION.

ADD. ALT 3

1. INSTALL 4-BOX PAPI.

CLOSURES

1. RUNWAY 11-29 WILL BE CLOSED.
2. TAXIWAY B (PARTIAL), B1, AND B2.
3. TAXIWAY A AND A1.



FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

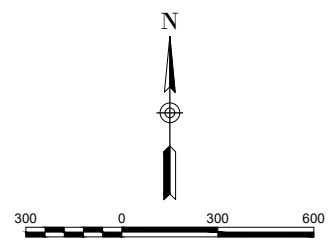
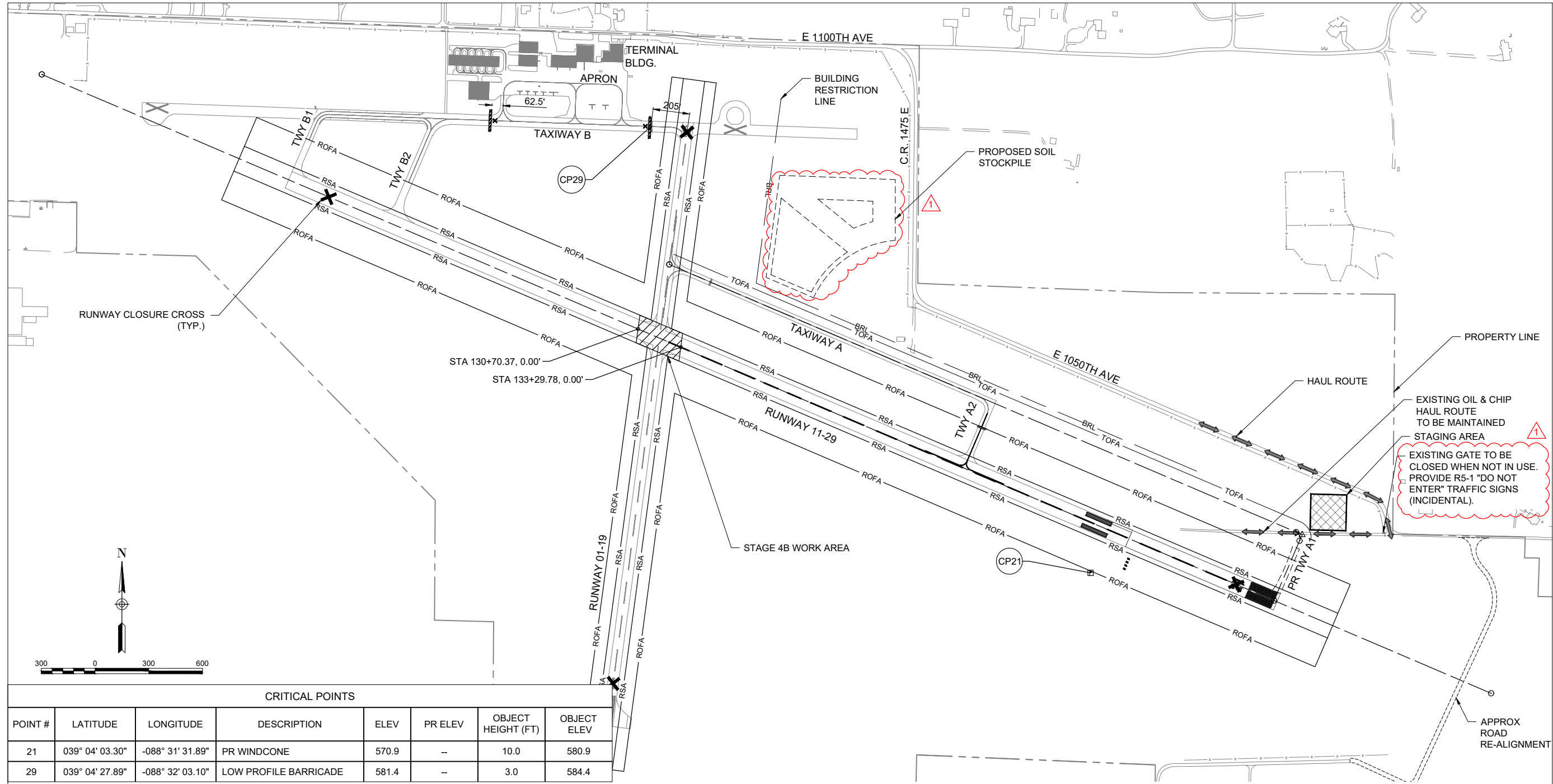
IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	12/29/23	STOCKPILE UPDATE		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-101-SFY.DWG
DESIGN BY: MJD 08/23/2023
DRAWN BY: MJD 09/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 4B



CRITICAL POINTS							
POINT #	LATITUDE	LONGITUDE	DESCRIPTION	ELEV	PR ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV
21	039° 04' 03.30"	-088° 31' 31.89"	PR WINDCONE	570.9	--	10.0	580.9
29	039° 04' 27.89"	-088° 32' 03.10"	LOW PROFILE BARRICADE	581.4	--	3.0	584.4

STAGE 4B SCOPE OF WORK

1. THE AIRPORT MAY GRANT PERMISSION TO COMBINE STAGE 4A & 4B. STAGE 4B IS ONLY NECESSARY IF REQUIRED TO CROSS PAVEMENT DURING MARKING, PAPI, AND/OR WINDCONE INSTALLATION.
2. PLANS DO NOT REQUIRE FULL CLOSURE OF THE AIRPORT. STAGE IS ONLY SHOWN FOR REFERENCE.

CLOSURES

1. ENTIRE AIRFIELD WILL BE CLOSED.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	12/29/23	STOCKPILE UPDATE		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-101-SFY.DWG

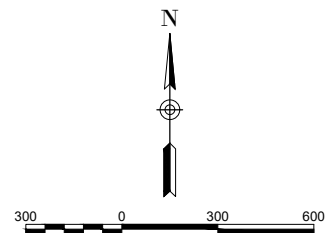
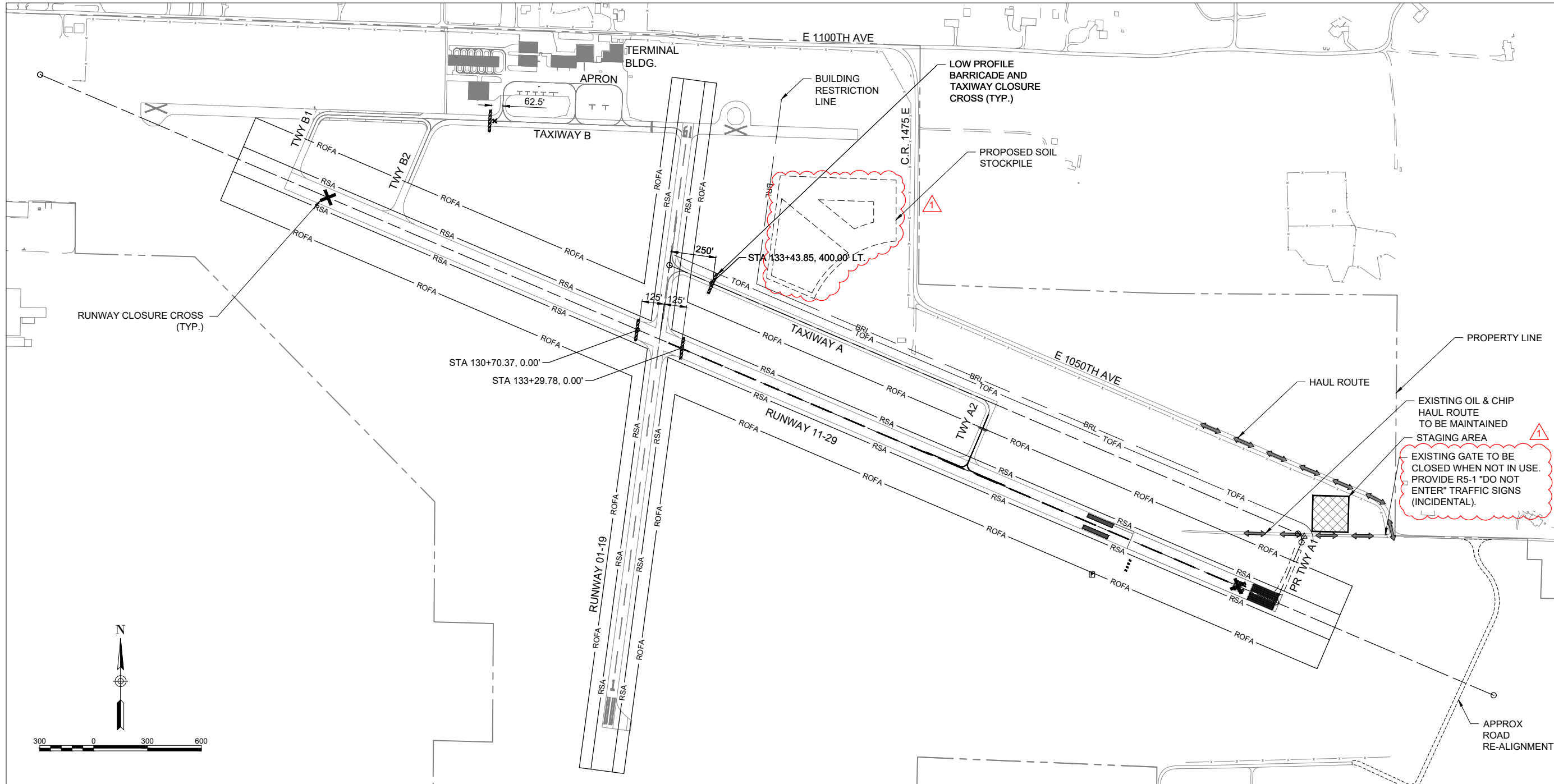
DESIGN BY: MJD 08/23/2023

DRAWN BY: MJD 09/27/2023

REVIEWED BY: MJD 11/17/2023

SHEET TITLE

**TRAFFIC CONTROL
AND CONSTRUCTION
PHASING - STAGE 5A**



STAGE 5A NOTES (ADD ALT 1)

- PAVE TAXIWAY A1.

CLOSURES

- RUNWAY 11-29 WILL BE CLOSED.
- TAXIWAY B (PARTIAL), B1, AND B2.
- TAXIWAY A AND A1.

NOTES

- CLOSURES DEPICTED SHALL BE DONE FOR FINAL MARKING, SEEDING, AND MULCHING FOR PROPOSED TAXIWAY A EXTENSION, PROPOSED TAXIWAY A1, AND EXISTING TAXIWAY A2.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
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1	12/29/23	STOCKPILE UPDATE		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-101-SFY.DWG

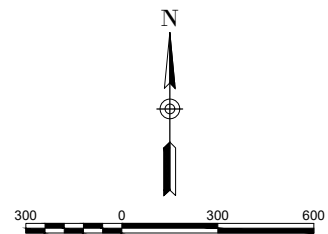
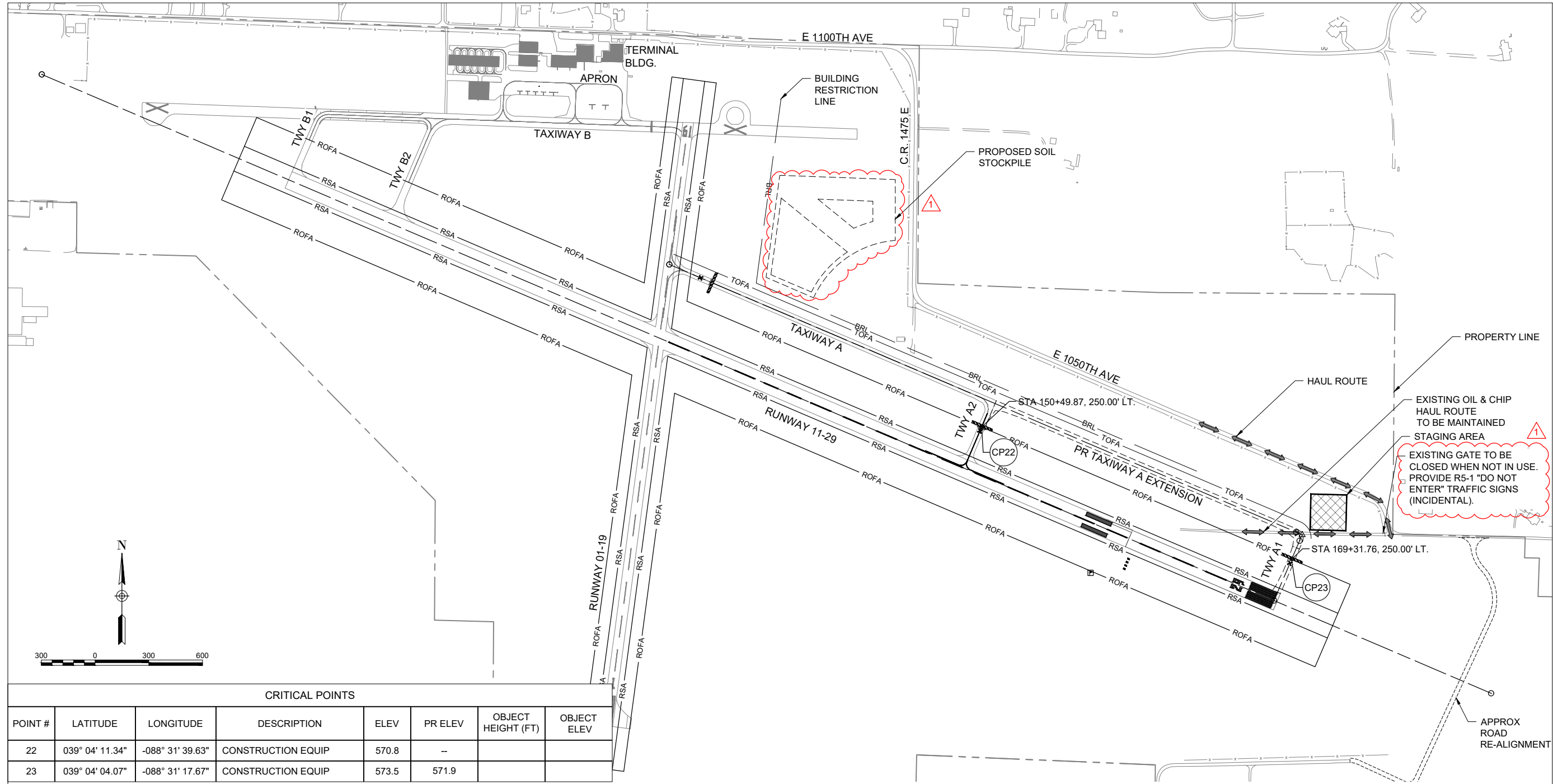
DESIGN BY: MJD 08/23/2023

DRAWN BY: MJD 09/27/2023

REVIEWED BY: MJD 11/17/2023

SHEET TITLE

TRAFFIC CONTROL AND CONSTRUCTION PHASING - STAGE 5B



CRITICAL POINTS

POINT #	LATITUDE	LONGITUDE	DESCRIPTION	ELEV	PR ELEV	OBJECT HEIGHT (FT)	OBJECT ELEV
22	039° 04' 11.34"	-088° 31' 39.63"	CONSTRUCTION EQUIP	570.8	--		
23	039° 04' 04.07"	-088° 31' 17.67"	CONSTRUCTION EQUIP	573.5	571.9		

STAGE 5A SCOPE OF WORK (ADD ALT 1)

1. PREPARE LIME MODIFIED SUBGRADE, AGGREGATE DRAINAGE LAYER, AND CRUSHED AGGREGATE BASE COURSE.
2. PAVE TAXIWAY A EXTENSION.
3. REMOVE STAGING AREA.
4. FINAL SEEDING AND MULCHING.

CLOSURES

1. TAXIWAY A AND TAXIWAY A1.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

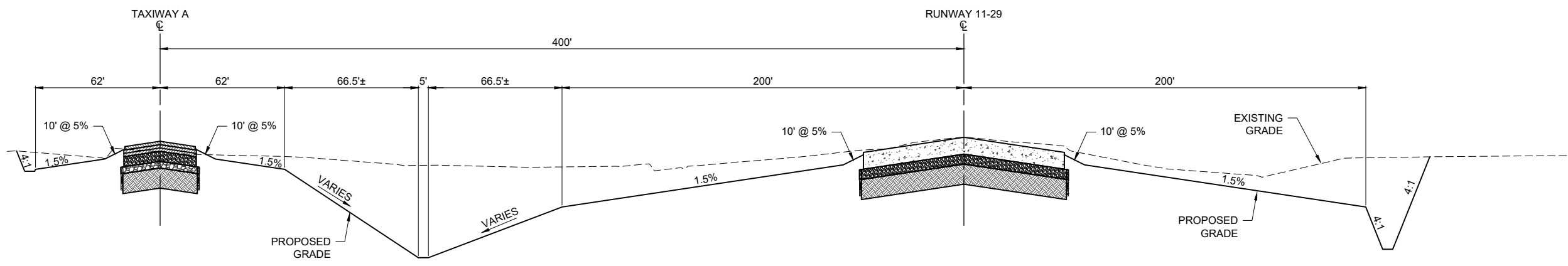
NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-301-TYP.DWG
DESIGN BY: MJD 10/20/2023
DRAWN BY: CWS 10/16/2023
REVIEWED BY: MJD 11/17/2023

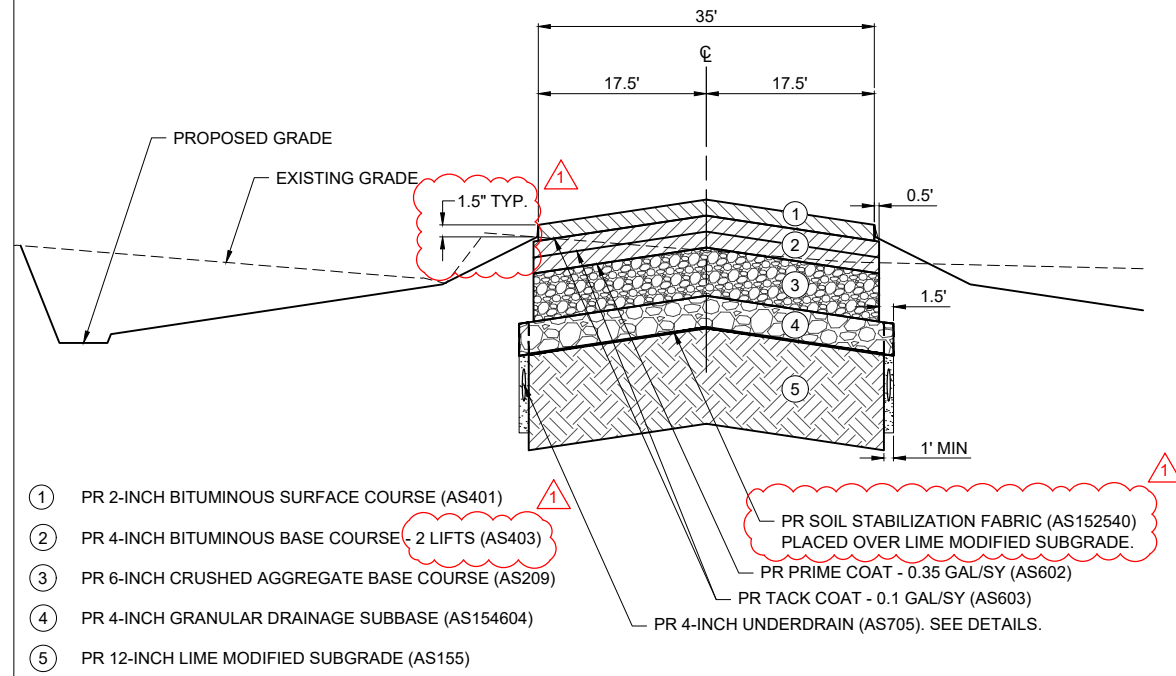
SHEET TITLE

TYPICAL SECTIONS

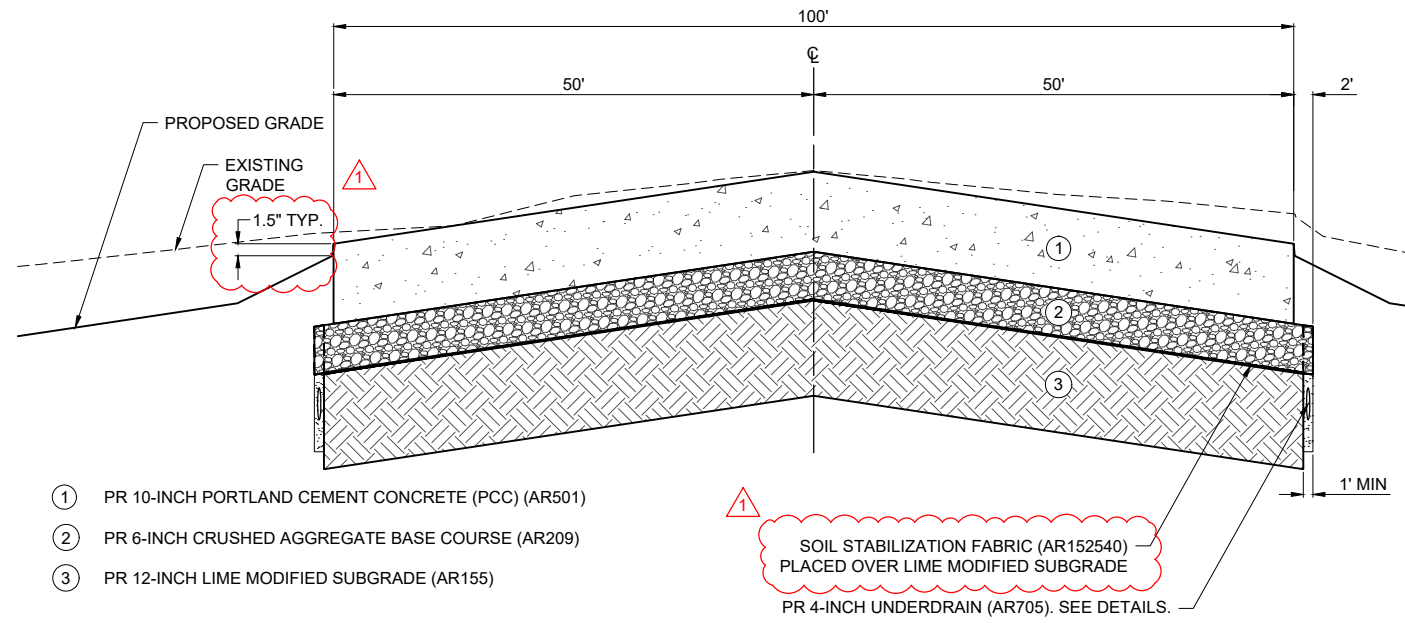
FOR BID



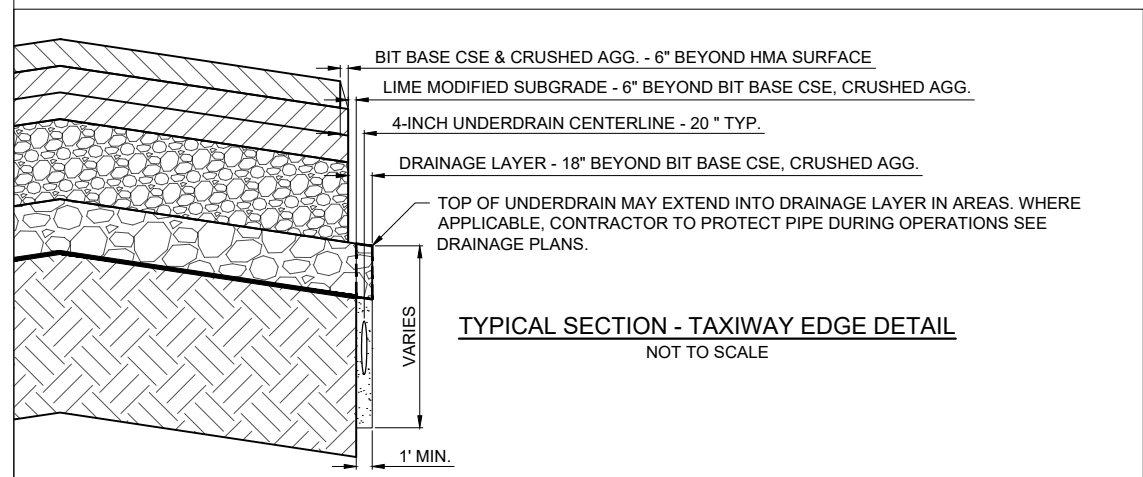
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NOT TO SCALE



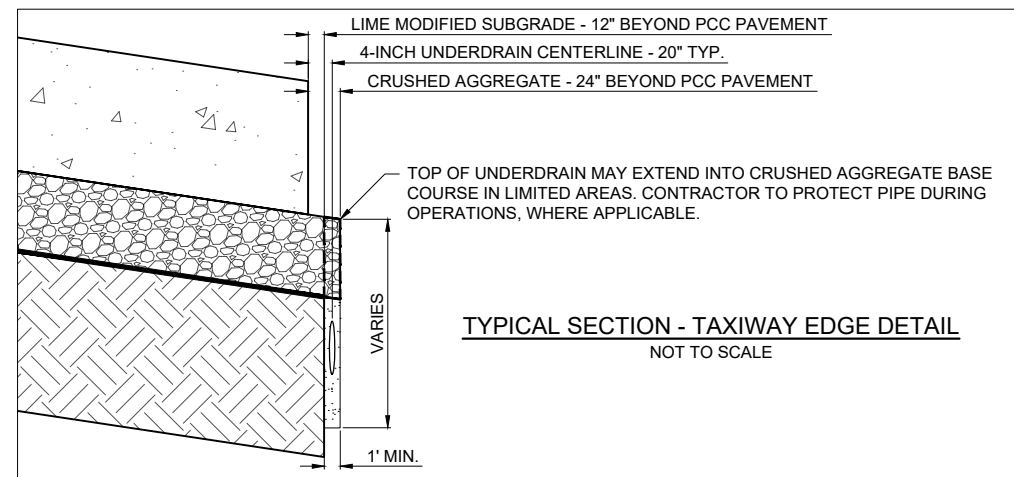
TYPICAL SECTION - PROPOSED TAXIWAY A EXTENSION
NOT TO SCALE



TYPICAL SECTION - PROPOSED RUNWAY 11-29 EXTENSION
NOT TO SCALE



TYPICAL SECTION - TAXIWAY EDGE DETAIL
NOT TO SCALE

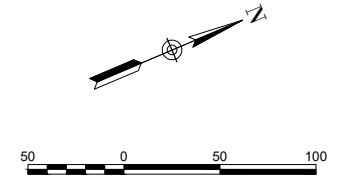
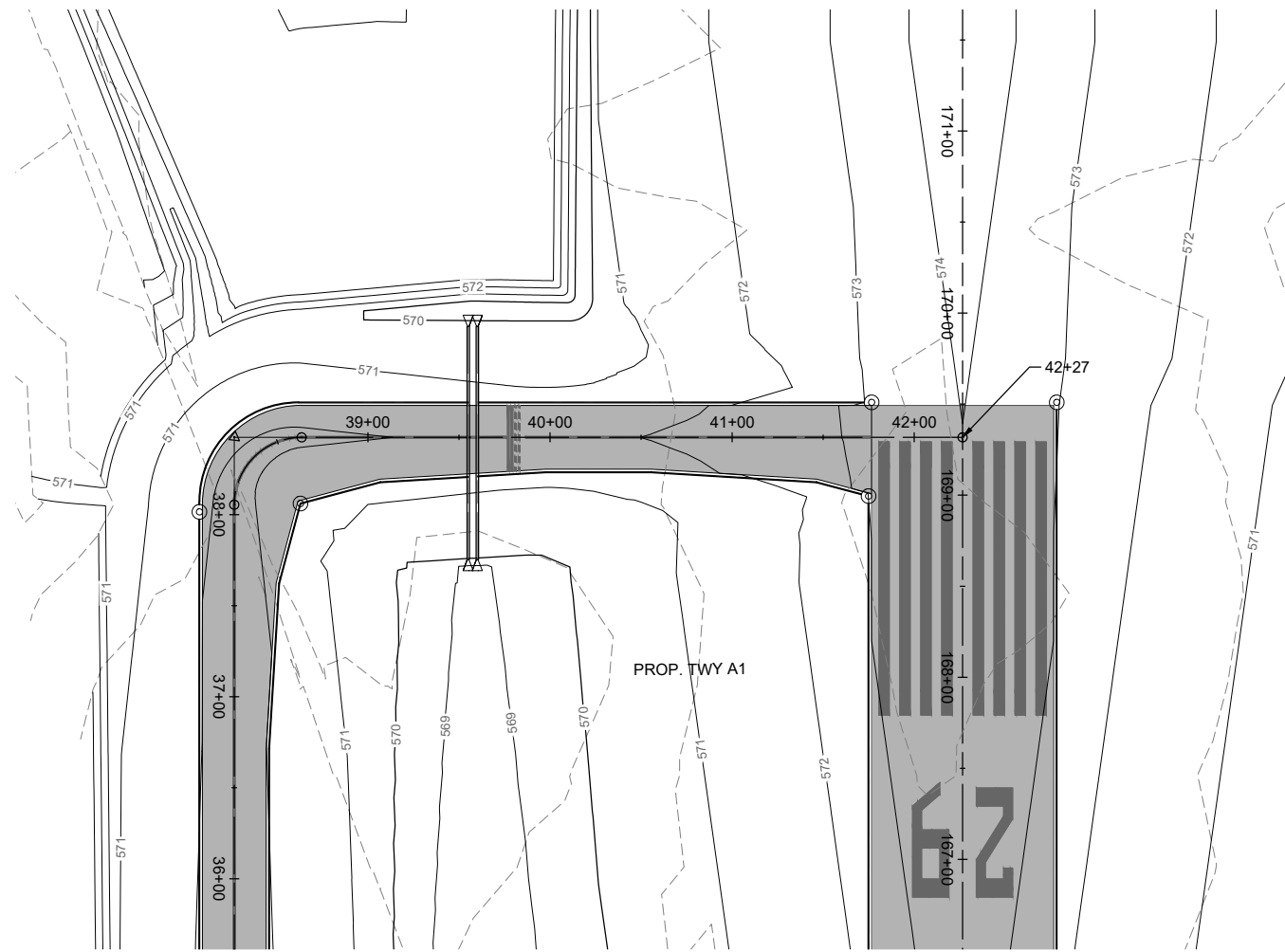


TYPICAL SECTION - TAXIWAY EDGE DETAIL
NOT TO SCALE

THE CRUSHED AGGREGATE BASE (ITEM 209) ON WHICH THE 10-INCH PCC PAVEMENT WILL BE PLACED SHALL BE WIDENED TWO (2) FEET, AS SHOWN, TO EXTEND BEYOND THE PAVING MACHINE TRACK TO SUPPORT THE PAVER WITHOUT ANY NOTICEABLE DISPLACEMENT. ANY ADDITIONAL GRADING, COMPACTING, OR FURNISHING AND INSTALLING OF STABILIZING MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.

JAN 09, 2024 9:00 AM DUDAS01044
I:\22A0004D\CAD\AIRPORT\SHEETC-301-TYP.DWG

JAN 09, 2024 9:00 AM DUDAS01944
 I:\22\JOBS\22A0004\CAD\AIRPORT\SHHEETC-701-PNP.DWG



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 fax: 217-788-2503
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 #184-001084

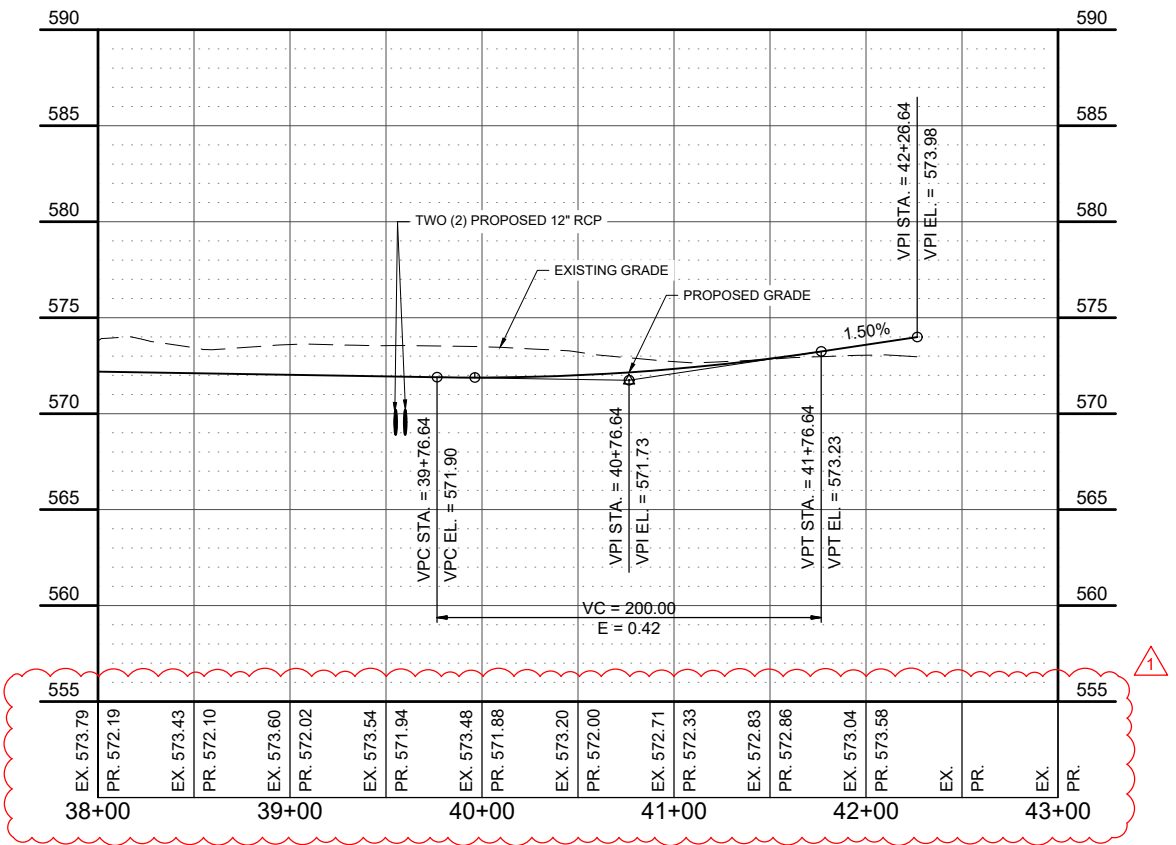
EFFINGHAM COUNTY AIRPORT
 COMMISSION
 Effingham County Memorial Airport
 14449 East 1100th Ave.
 Effingham, Illinois 62401



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
 SIGNED: EXPIRES:

EXTEND RUNWAY
 11-29 AND TAXIWAY A
 IDA NO. 1H2-4982
 CONTRACT NO. EF010



FOR BID

		ADDENDUM A		
1	1/4/2024	MJD	MJD	MJD
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 17, 2023
 PROJECT NO: 22A0004D
 CAD FILE: C-701-PNP.DWG
 DESIGN BY: MJD 10/16/2023
 DRAWN BY: HLE 10/16/2023
 REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED PLAN
 AND PROFILE TWY A
 - STA. 38+00 TO STA.
 42+27



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-702-PNP.DWG

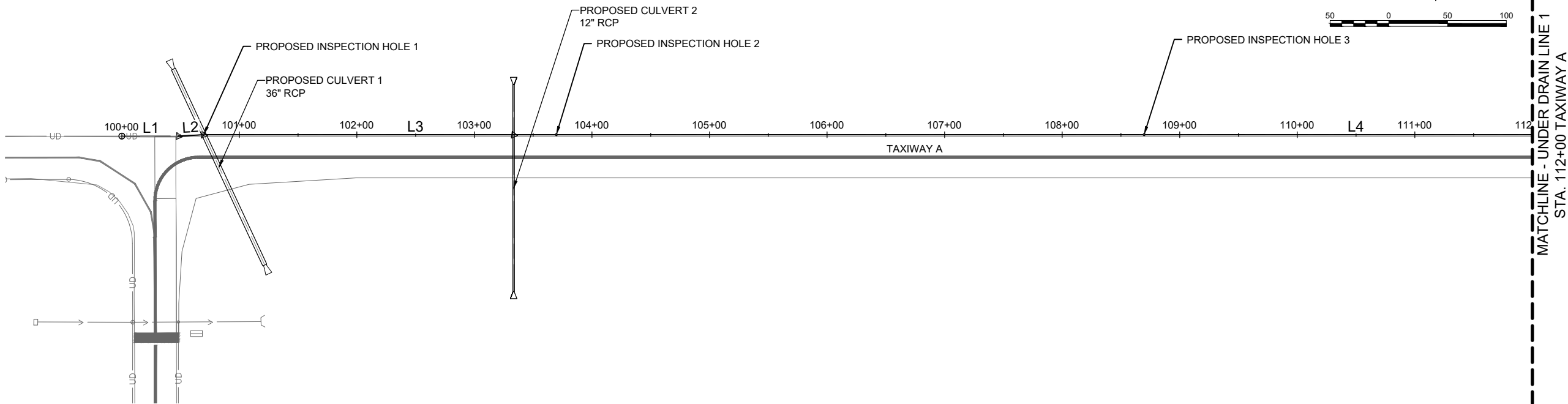
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DRAWN BY: NLD 10/27/2023

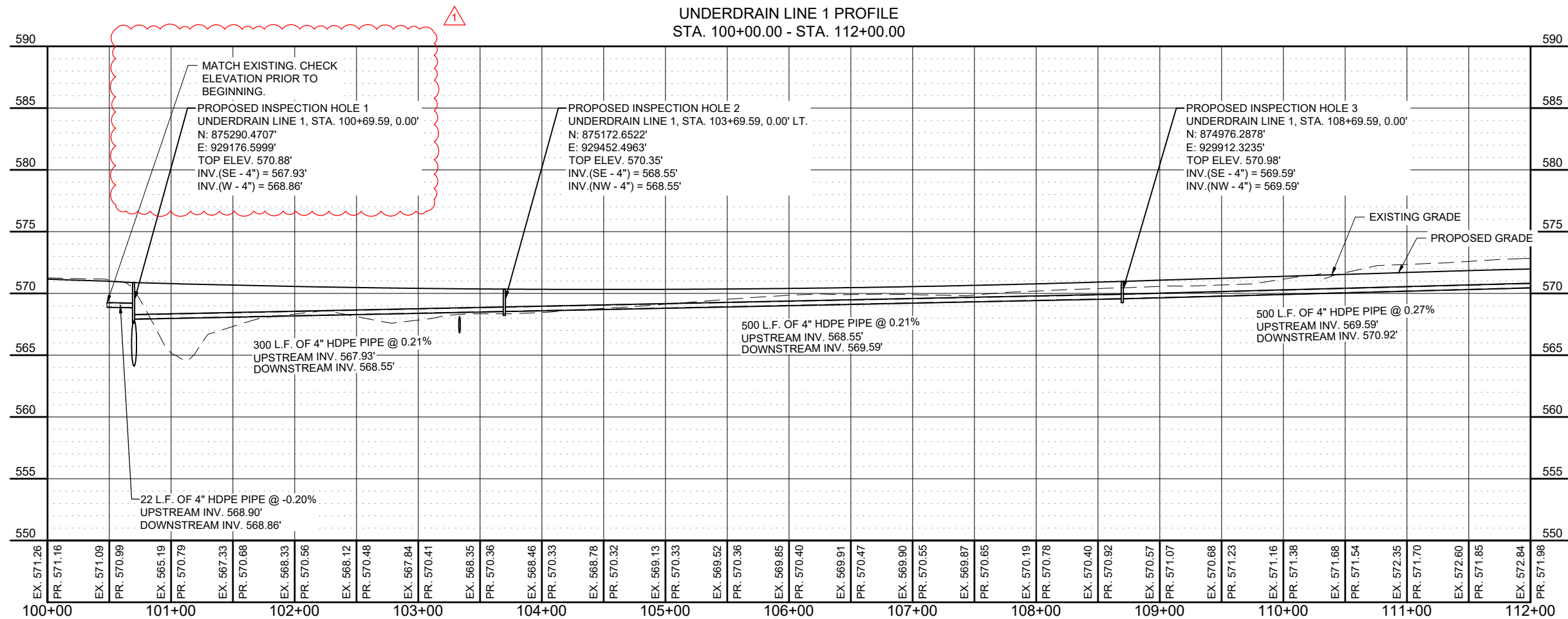
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED PLAN
AND PROFILE
UNDERDRAIN STA.
100+00 TO STA.
112+00



UNDERDRAIN LINE 1 PROFILE
STA. 100+00.00 - STA. 112+00.00



FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

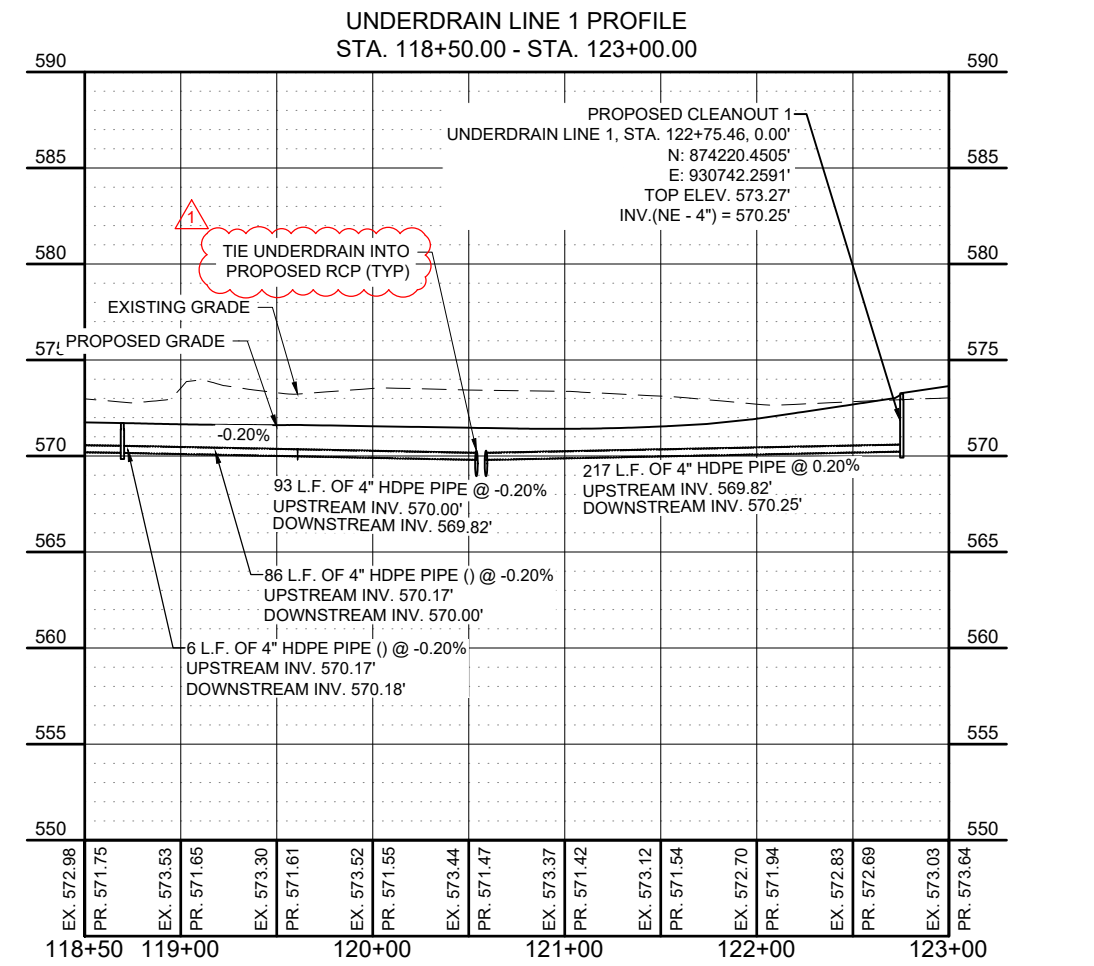
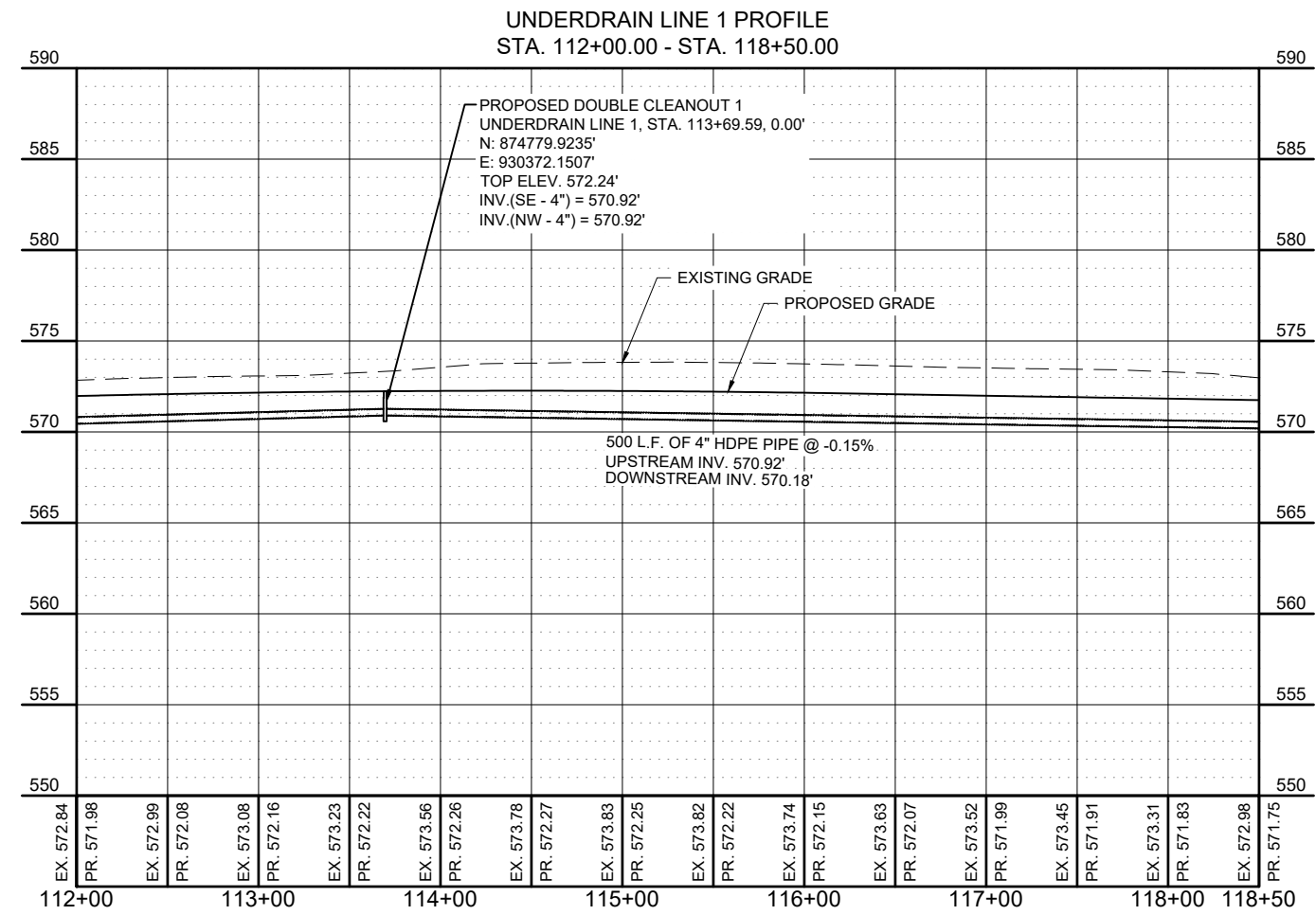
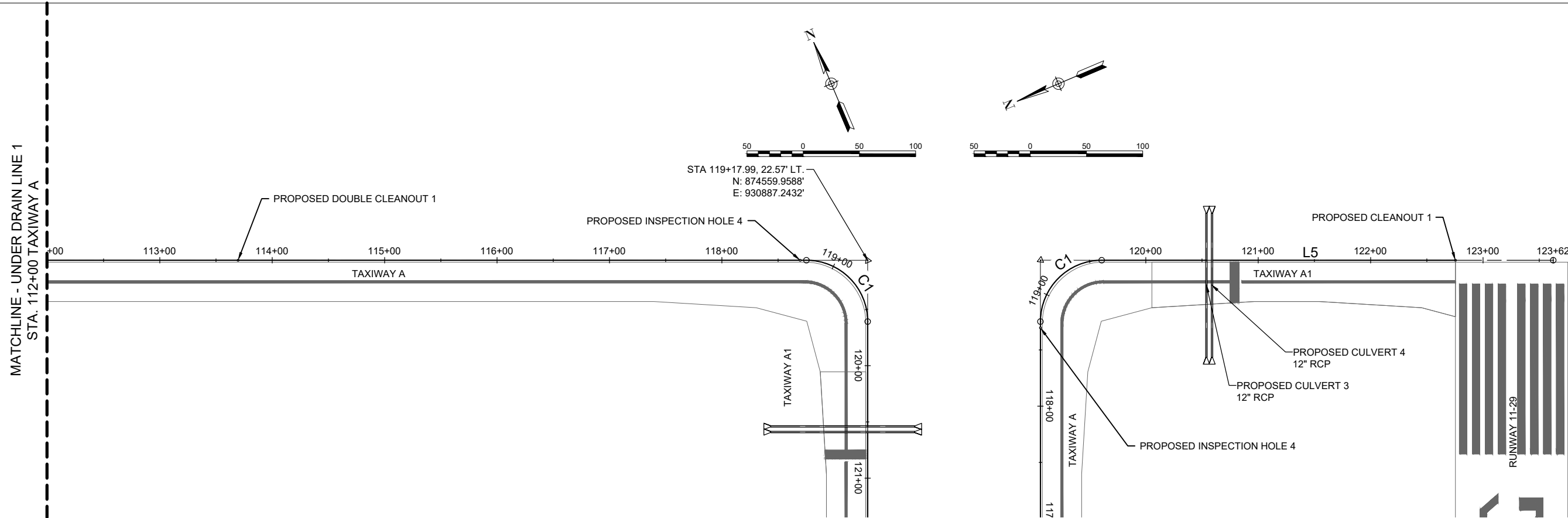
IDA NO. 1H2-4982
CONTRACT NO. EF010

		ADDENDUM A			
NO.	DATE	DESCRIPTION	DES	DWN	REV
1	1/4/2024		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-702-PNP.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED PLAN
AND PROFILE
UNDERDRAIN STA.
112+00 TO STA.
123+00



FOR BID

JAN 09, 2024 9:00 AM DUDAS01044
I:\22A0004D\CAD\AIRPORT\ISHEET\C-702-PNP.DWG



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

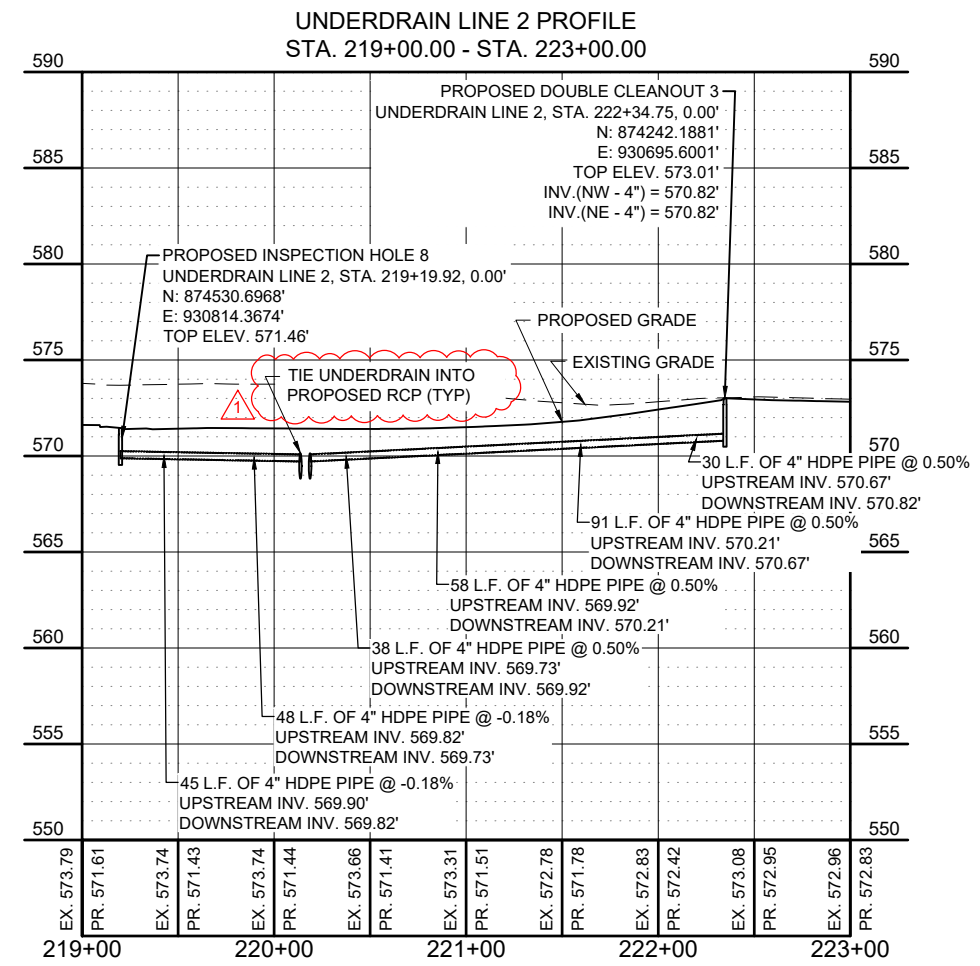
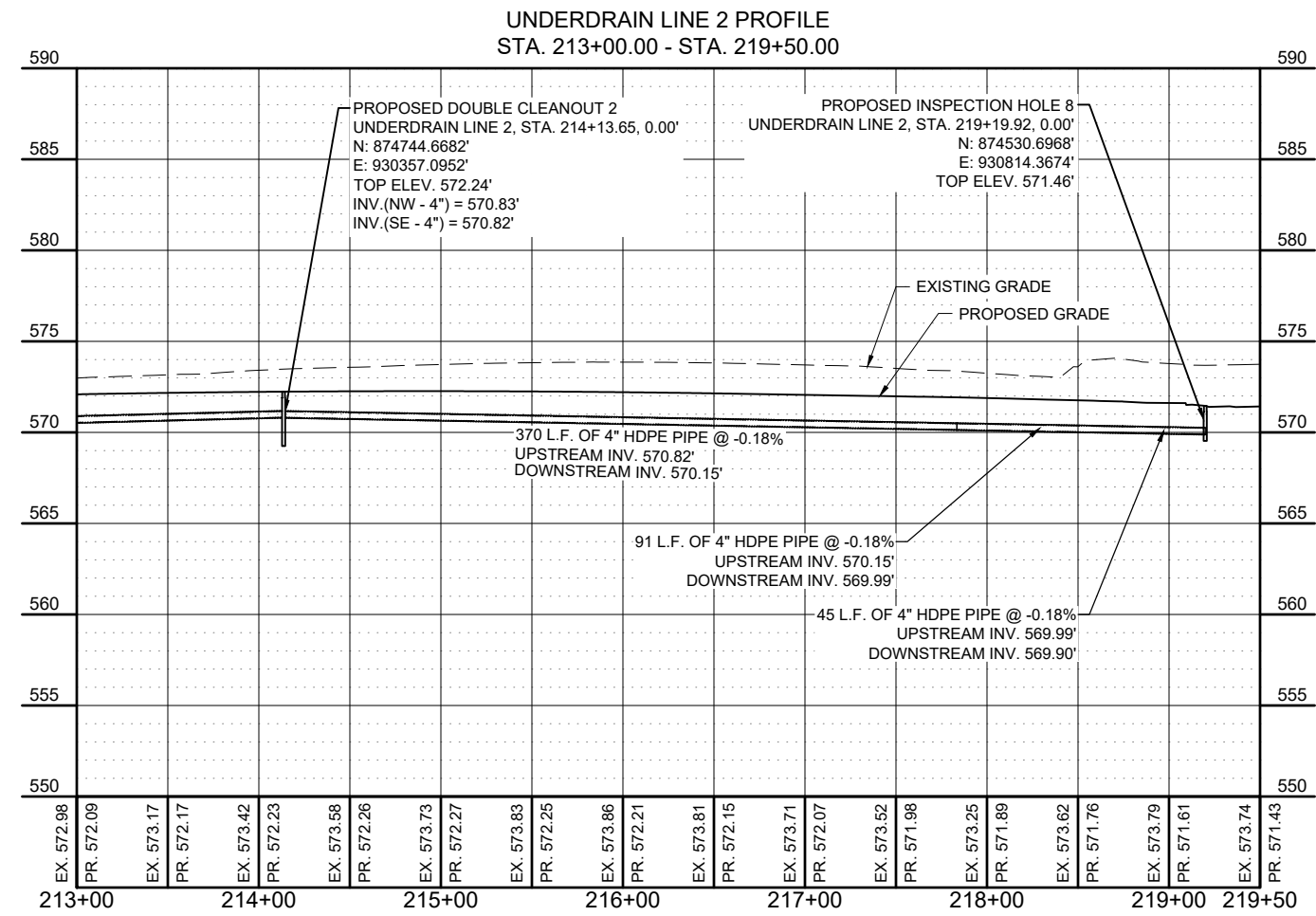
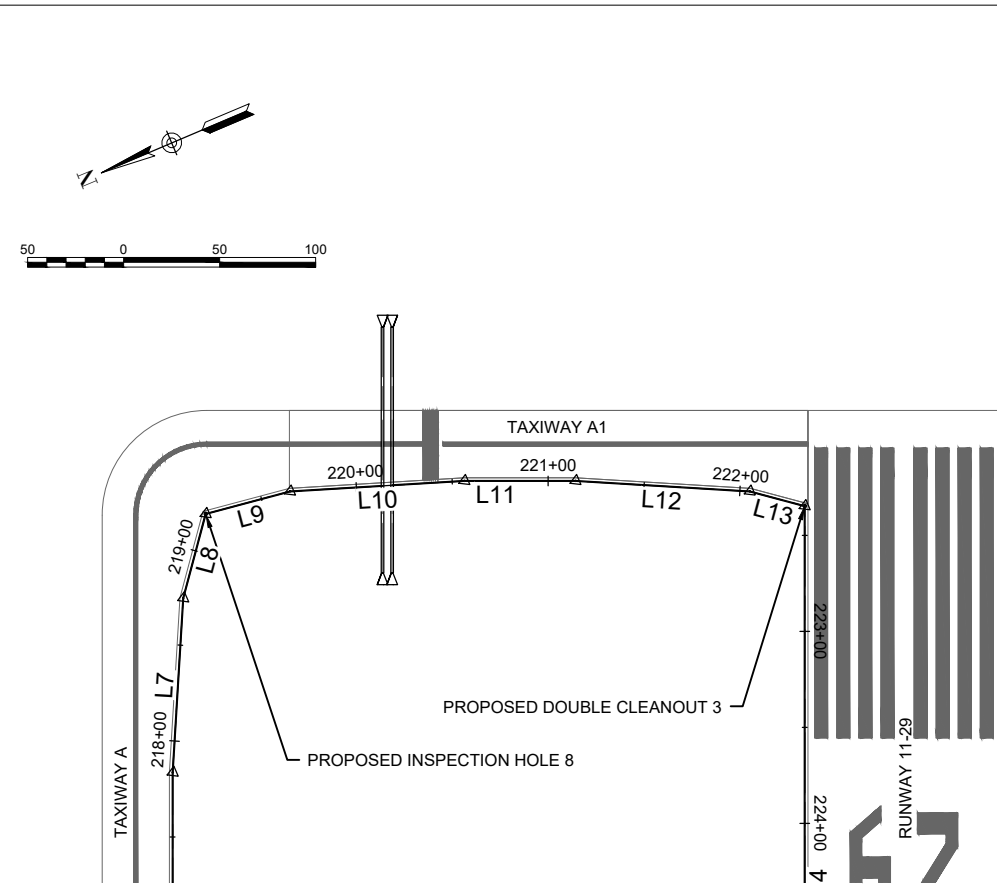
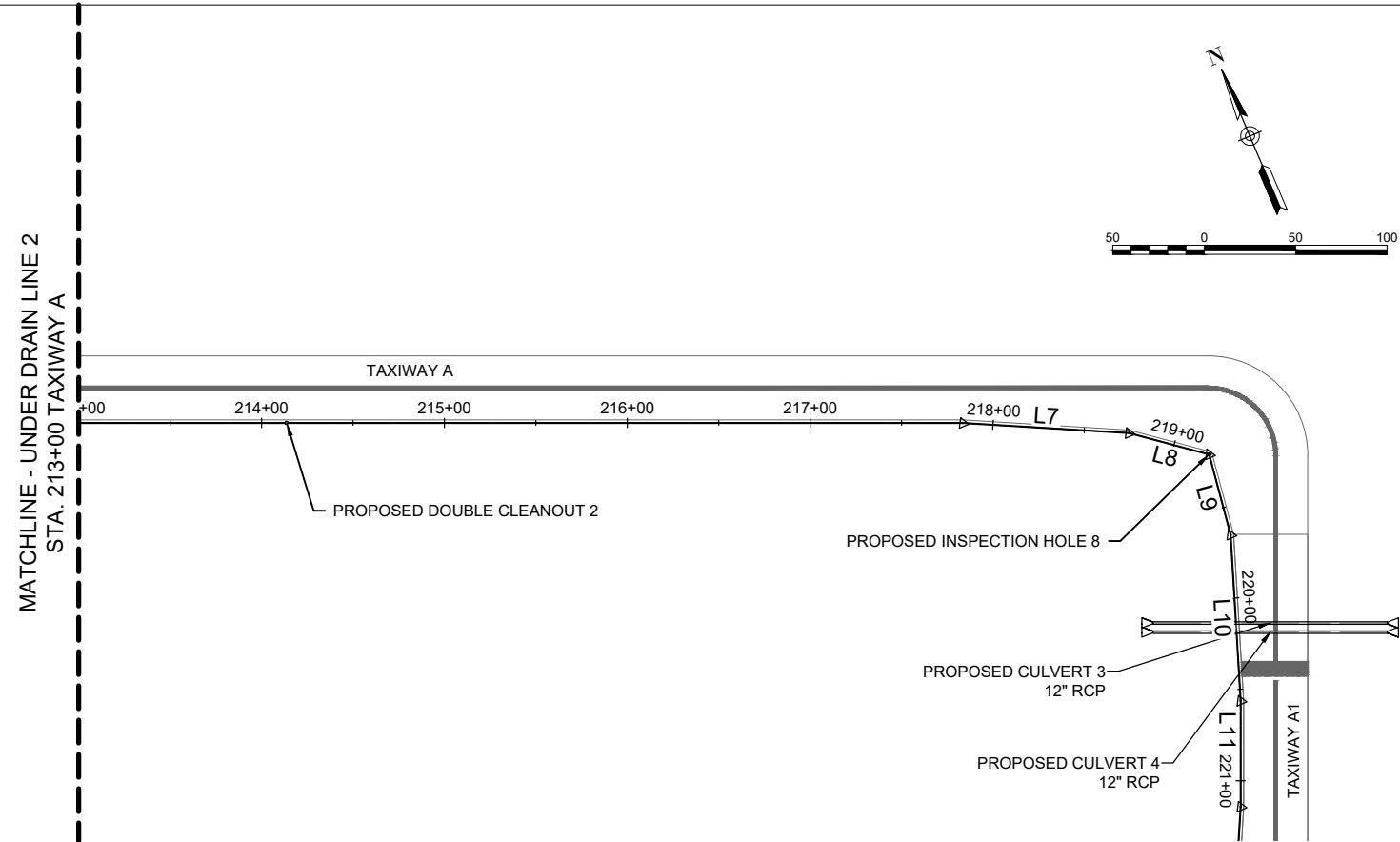
IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
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1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-702-PNP.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED PLAN
AND PROFILE
UNDERDRAIN STA.
213+00 TO STA.
222+35



FOR BID

JAN 09, 2024 9:01 AM DUDAS01044
I:\22A0004D\CAD\AIRPORT\SHHEET\C-702-PNP.DWG



Michael Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

ADDENDUM A			
NO.	DATE	DESCRIPTION	
		DES	REV
1	1/4/2024	MJD	MJD
		MJD	MJD

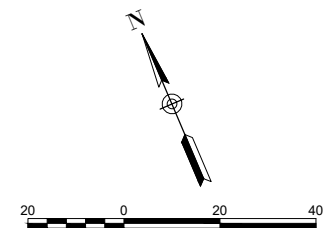
ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-161-JNT.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: CWS 10/16/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED JOINTING
PLAN RWY 11-29 -
STA. 157+50 TO STA.
162+00

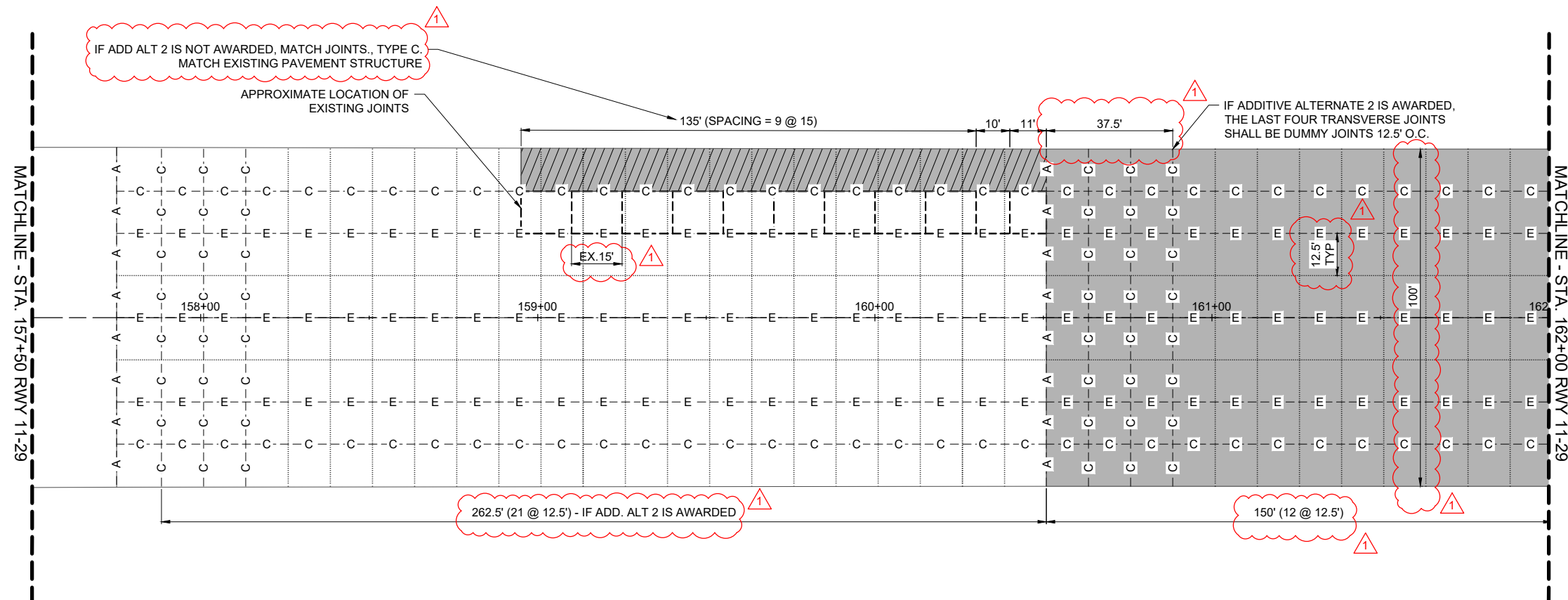
JOINTING NOTES

- ALL JOINT EDGES SHALL BE SAWCUT TO PRODUCE THE 1/4" CHAMFER.
- ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED.
- ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL ENSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO INSTALLATION.
- DOWEL BARS FOR 10 IN. THICK PAVEMENT SHALL BE 1 IN. DIAMETER, 18 IN. LONG AT 12 IN. SPACING.
- ALL TIE BARS SHALL BE HELD IN PLACE BY SUPPORT PINS OR OTHER METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT. SUPPORT PINS SHALL BE OF SUFFICIENT LENGTH TO PENETRATE AT LEAST 6" INTO THE SUBGRADE.
- ALL TIE BARS SHALL BE PLACED AT A POINT NOT LESS THAN 6" OR MORE THAN 15" FROM A TRANSVERSE OR EXPANSION JOINT.
- DOWELS IN TRANSVERSE CONTRACTION AND LONGITUDINAL CONSTRUCTION JOINTS SHALL BE COATED WITH A RUSTPROOFING COMPOUND AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.
- ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE $\pm 1/8"$ FOR CONSTRUCTION JOINTS AND $\pm 1/4"$ FOR CONTRACTION JOINTS.
- THE CONTRACTOR IS REQUIRED TO DRILL AND EPOXY THE PROPOSED DOWELS IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS. THE EPOXY MATERIAL MUST BE APPROVED BY THE DIVISION OF AERONAUTICS PRIOR TO USE.
- THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE PCC PAVEMENT.
- WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL PROTECT THE TRANSVERSE JOINTS.
- JOINT SEALANT SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, ITEM 605.
- CURING COMPOUND SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS, ITEM 501, SECTION 501-2.9, AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE RESIDENT ENGINEER/TECHNICIAN.
- ALL NON-ALIGNED EDGES WILL BE SAWED FULL DEPTH.



LEGEND

- PROPOSED IMPROVEMENTS (BASE BID)
- PROPOSED IMPROVEMENTS (ADD ALT 2)
- TYPE A, THICKENED EDGE ISOLATION JOINT
- TYPE C, DOWELED CONTRACTION JOINT
- TYPE D, DUMMY CONTRACTION JOINT
- TYPE E, DOWELED CONSTRUCTION JOINT



JAN 09, 2024 9:01 AM DUDAS01944
1:22 JOBS22A0004D\CAD\AIRPORT\SHHEETC-161-JNT.DWG

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

**EXTEND RUNWAY
11-29 AND TAXIWAY A**

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-161-INT.DWG

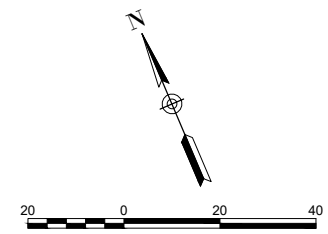
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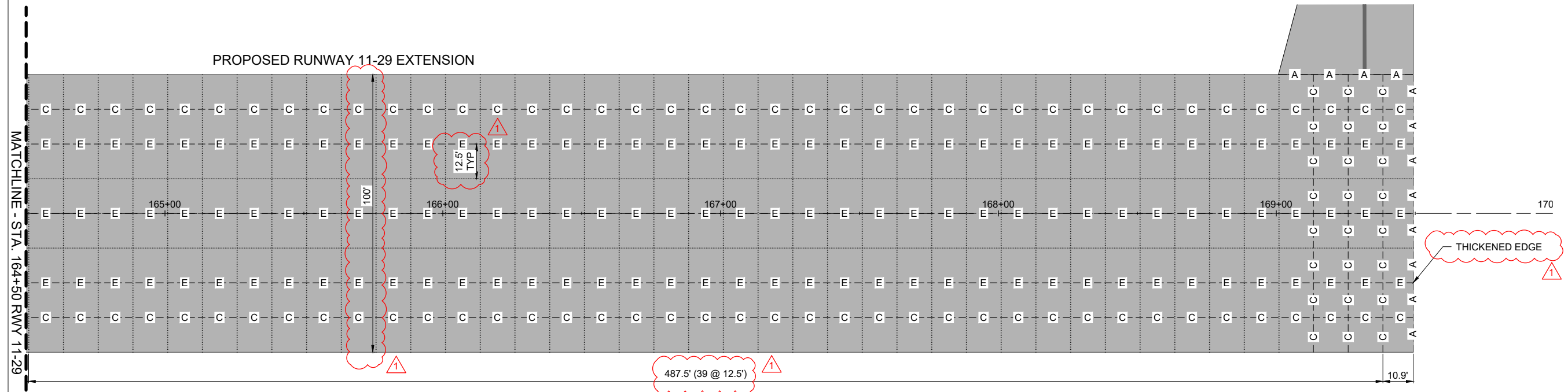
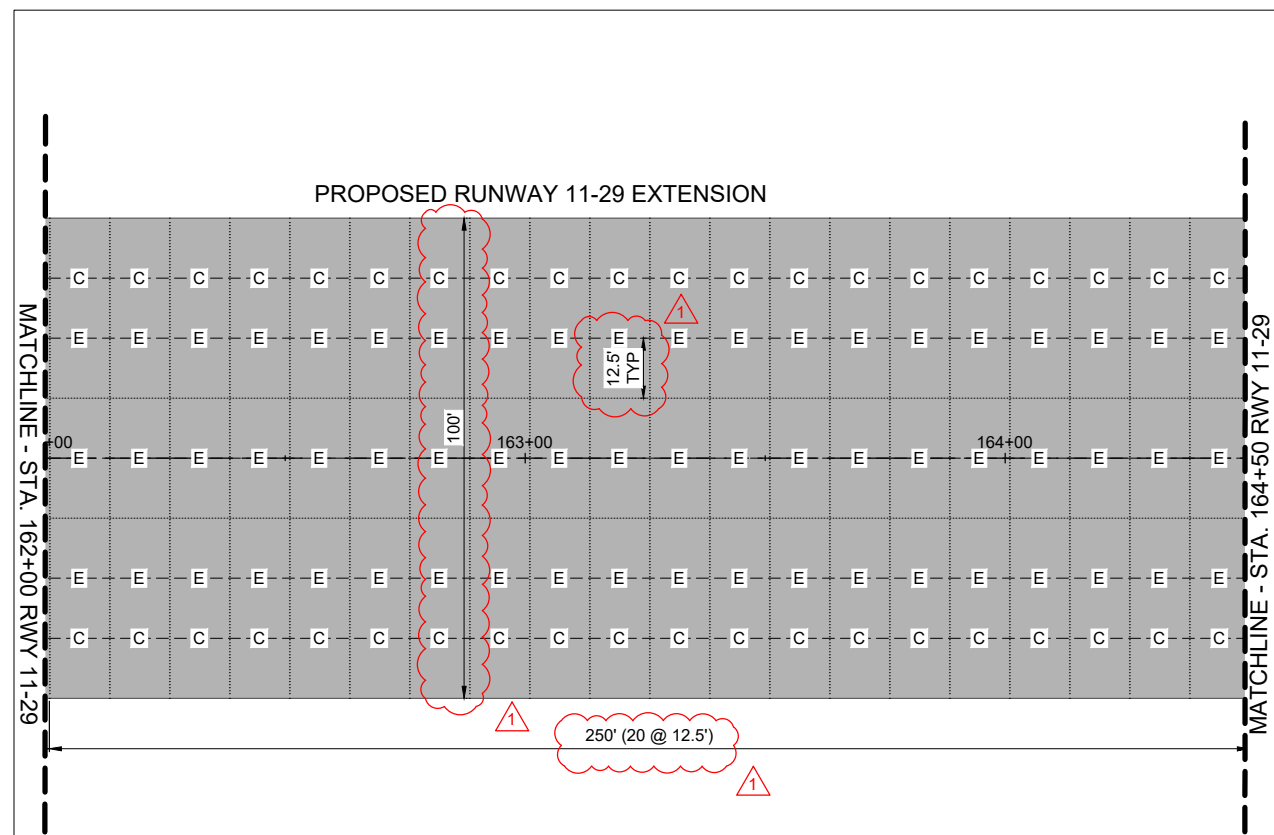
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED JOINTING
PLAN RWY 11-29 -
STA. 162+00 TO STA.
170+00



- LEGEND**
- PROPOSED IMPROVEMENTS (BASE BID)
 - TYPE A, THICKENED EDGE ISOLATION JOINT
 - TYPE C, DOWELED CONTRACTION JOINT
 - TYPE D, DUMMY CONTRACTION JOINT
 - TYPE E, DOWELED CONSTRUCTION JOINT



JAN 09, 2024 9:01 AM DUDAS01944
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FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	MJD	MJD

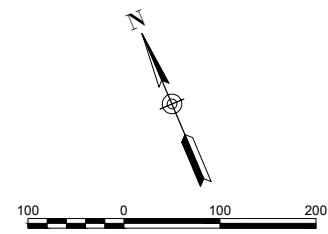
ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-201-SWPP.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: CWS 10/16/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED EROSION
AND SEDIMENT
CONTROL PLAN
SHEET 1

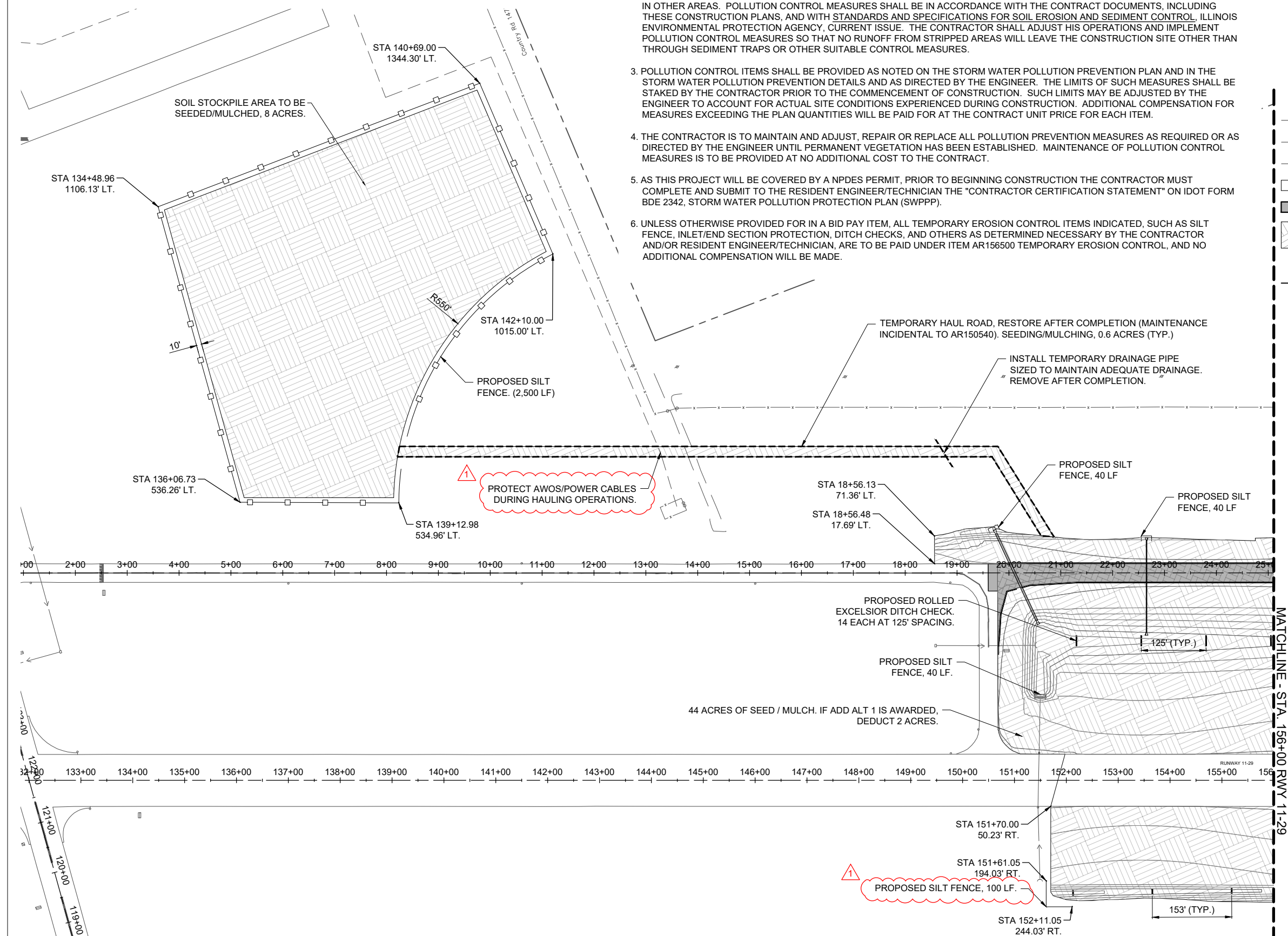
STORM WATER POLLUTION PREVENTION NOTES

1. THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.
2. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHERE EVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.
3. POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION. ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH ITEM.
4. THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.
5. AS THIS PROJECT WILL BE COVERED BY A NPDES PERMIT, PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR MUST COMPLETE AND SUBMIT TO THE RESIDENT ENGINEER/TECHNICIAN THE "CONTRACTOR CERTIFICATION STATEMENT" ON IDOT FORM BDE 2342, STORM WATER POLLUTION PROTECTION PLAN (SWPPP).
6. UNLESS OTHERWISE PROVIDED FOR IN A BID PAY ITEM, ALL TEMPORARY EROSION CONTROL ITEMS INDICATED, SUCH AS SILT FENCE, INLET/END SECTION PROTECTION, DITCH CHECKS, AND OTHERS AS DETERMINED NECESSARY BY THE CONTRACTOR AND/OR RESIDENT ENGINEER/TECHNICIAN, ARE TO BE PAID UNDER ITEM AR156500 TEMPORARY EROSION CONTROL, AND NO ADDITIONAL COMPENSATION WILL BE MADE.



LEGEND

- EXISTING WATER
- EXISTING STORM SEWER
- EXISTING FENCE
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED SEEDING/MULCHING
- PROPOSED DITCH CHECK
- PROPOSED SILT FENCE



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FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
ADDENDUM A				
1	1/4/2024	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-301-TYP.DWG

DESIGN BY: MJD 10/16/2023

DRAWN BY: HLE 10/16/2023

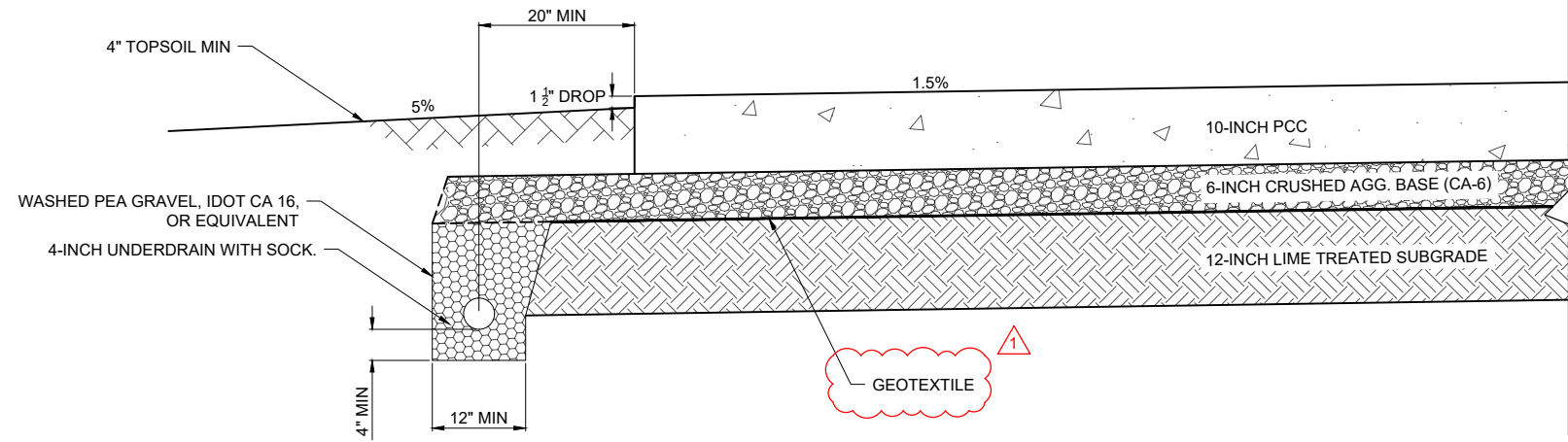
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

UNDERDRAIN
DETAILS SHEET 1

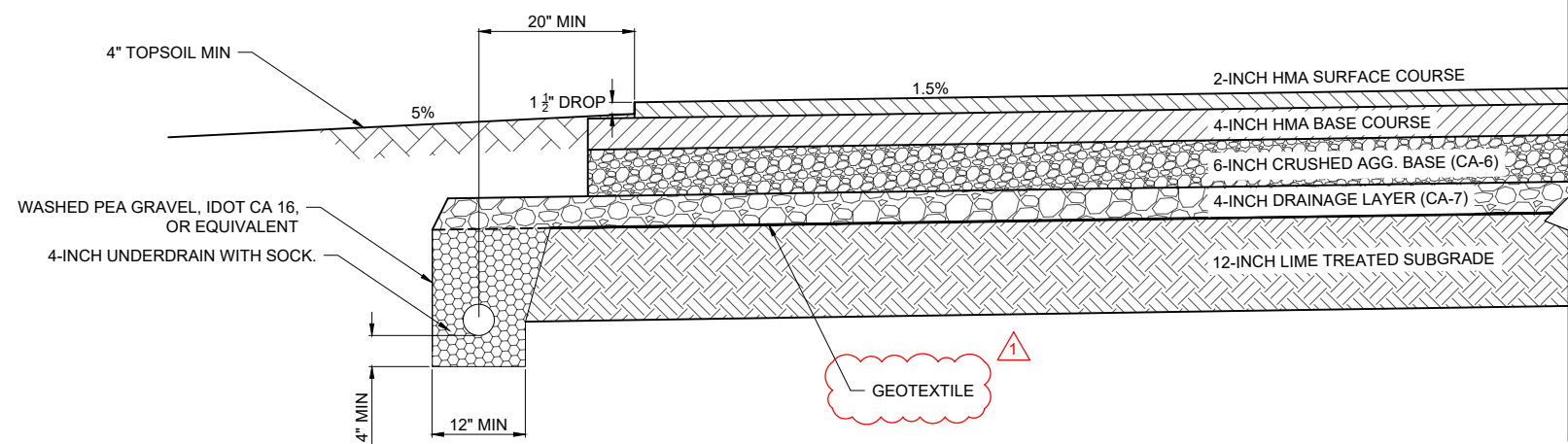
NOTES

- CONTRACTOR SHALL TAKE PROPER MEASURES TO PREVENT BLENDING SOIL OR OTHER DEBRIS INTO CRUSHED AGGREGATE BASE AND/OR THE POROUS GRANULAR MATERIAL THAT WOULD IMPEDE DRAINAGE.



TYPICAL SECTION - UNDERDRAIN (RUNWAY)

NOT TO SCALE



TYPICAL SECTION - UNDERDRAIN (TAXIWAY)

NOT TO SCALE



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY 11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION			
		DES	DWN	REV	
1	1/4/2024	ADDENDUM A	MJD	MJD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-151-MRK.DWG
DESIGN BY: MJD 10/9/2023
DRAWN BY: CWS 10/9/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

PROPOSED MARKING PLAN - STA. 132+00 TO STA. 154+00



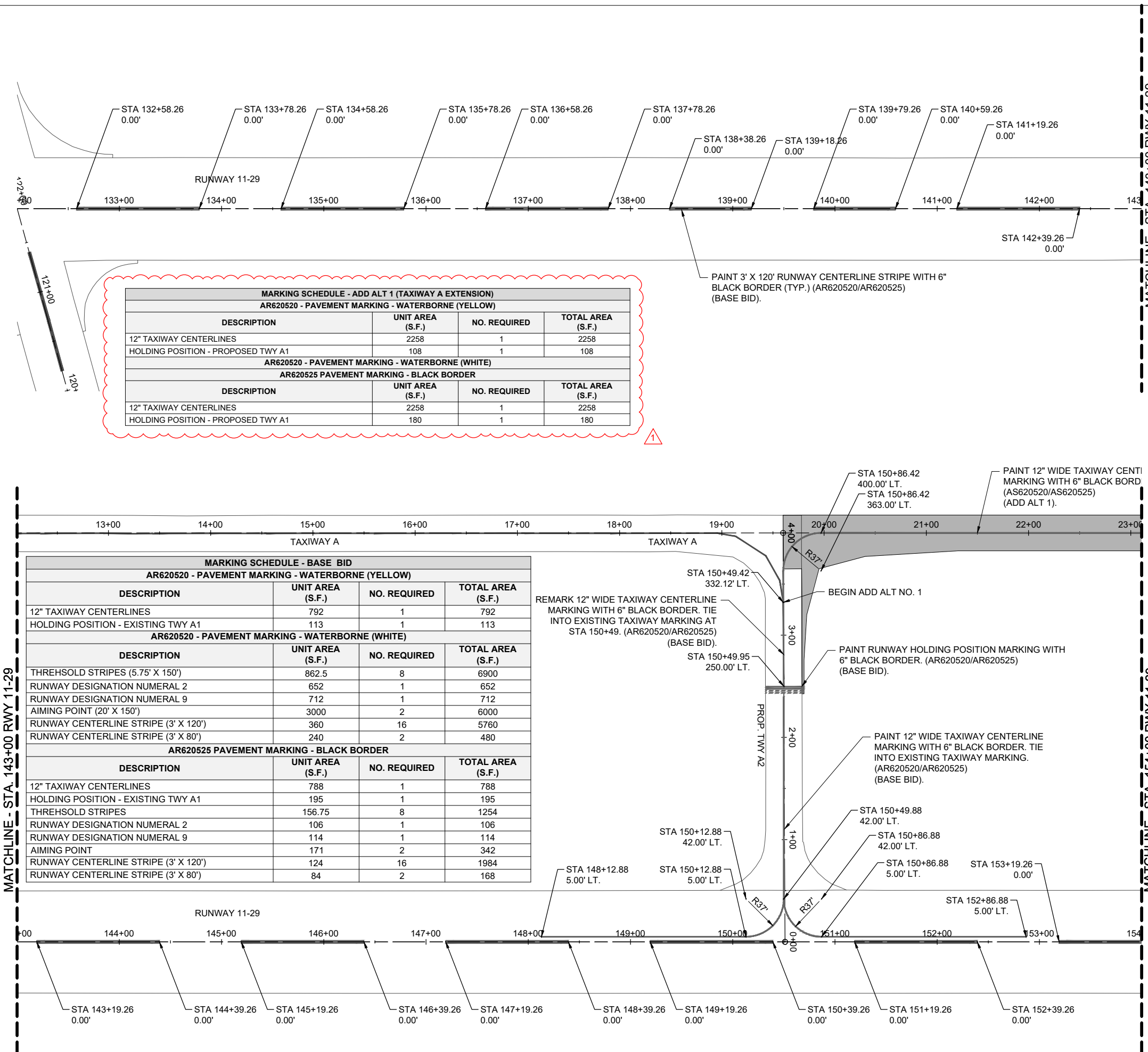
LEGEND:

EXISTING PAVEMENT

PROPOSED PAVEMENT

PAVEMENT MARKING NOTES

- GLASS BEADS SHALL BE REQUIRED FOR ALL WHITE AND YELLOW PERMANENT PAINT MARKINGS. GLASS BEADS ARE NOT REQUIRED FOR TEMPORARY MARKINGS OR BLACK PAINT. REFER TO SPECIFICATION ITEM P-620 FOR ADDITIONAL INFORMATION.
- IMMEDIATELY PRIOR TO THE APPLICATION OF PAINT, ALL SURFACES SHALL BE DRY AND FREE FROM DIRT, GREASE, OIL, LAITANCE, OR OTHER FOREIGN MATERIAL WHICH WOULD REDUCE THE BOND BETWEEN THE PAINT AND THE PAVEMENT. THIS SHALL INCLUDE PAINTED AREAS ON THE EXISTING PAVEMENTS. REFER TO SPECIFICATION P-620-3.3 FOR ADDITIONAL INFORMATION.
- EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF THE MARKINGS SHOWN ON THE MARKING PLAN WHICH ARE REMOVED OR WORN DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAINTED. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THIS WORK.
- NUMERAL MARKING TEMPLATES FOR SURFACE PAINTED HOLD POSITION SIGN MARKINGS SHALL BE PROVIDED BY THE CONTRACTOR FOR USE ON THE PROJECT. TEMPLATES SHALL BE MAINTAINED IN GOOD CONDITION AND TURNED OVER TO THE OWNER AT PROJECT COMPLETION.
- IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT EITHER YELLOW OR WHITE PAINT OVER THE BLACK PAINT; ONLY THE VISIBLE 6" BLACK OUTLINE WILL BE ELIGIBLE FOR PAYMENT.



MARKING SCHEDULE - ADD ALT 1 (TAXIWAY A EXTENSION)
AR620520 - PAVEMENT MARKING - WATERBORNE (YELLOW)

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
12" TAXIWAY CENTERLINES	2258	1	2258
HOLDING POSITION - PROPOSED TWY A1	108	1	108

AR620520 - PAVEMENT MARKING - WATERBORNE (WHITE)
AR620525 PAVEMENT MARKING - BLACK BORDER

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
12" TAXIWAY CENTERLINES	2258	1	2258
HOLDING POSITION - PROPOSED TWY A1	180	1	180

MARKING SCHEDULE - BASE BID
AR620520 - PAVEMENT MARKING - WATERBORNE (YELLOW)

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
12" TAXIWAY CENTERLINES	792	1	792
HOLDING POSITION - EXISTING TWY A1	113	1	113

AR620520 - PAVEMENT MARKING - WATERBORNE (WHITE)

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
THRESHOLD STRIPES (5.75' X 150')	862.5	8	6900
RUNWAY DESIGNATION NUMERAL 2	652	1	652
RUNWAY DESIGNATION NUMERAL 9	712	1	712
AIMING POINT (20' X 150')	3000	2	6000
RUNWAY CENTERLINE STRIPE (3' X 120')	360	16	5760
RUNWAY CENTERLINE STRIPE (3' X 80')	240	2	480

AR620525 PAVEMENT MARKING - BLACK BORDER

DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
12" TAXIWAY CENTERLINES	788	1	788
HOLDING POSITION - EXISTING TWY A1	195	1	195
THRESHOLD STRIPES	156.75	8	1254
RUNWAY DESIGNATION NUMERAL 2	106	1	106
RUNWAY DESIGNATION NUMERAL 9	114	1	114
AIMING POINT	171	2	342
RUNWAY CENTERLINE STRIPE (3' X 120')	124	16	1984
RUNWAY CENTERLINE STRIPE (3' X 80')	84	2	168

REMARK 12" WIDE TAXIWAY CENTERLINE MARKING WITH 6" BLACK BORDER. TIE INTO EXISTING TAXIWAY MARKING AT STA 150+49. (AR620520/AR620525) (BASE BID).

JAN 09, 2024 9:01 AM DUDAS01044 1:22:05S22A0004D\CAD\AIRPORT\SHHEETC-15-MRK.DWG

FOR BID



Kevin N. Lightfoot

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

**EXTEND RUNWAY
11-29 AND TAXIWAY A**

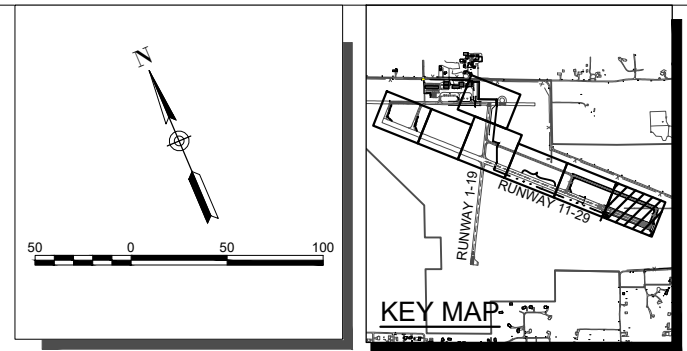
IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION
1	1/4/2024	ADDENDUM A MJD MJD KNL
		DES DWN REV

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: E-142-ELE.DWG
DESIGN BY: KNL 10/3/2023
DRAWN BY: HLE 10/3/2023
REVIEWED BY: KNL 11/9/2023

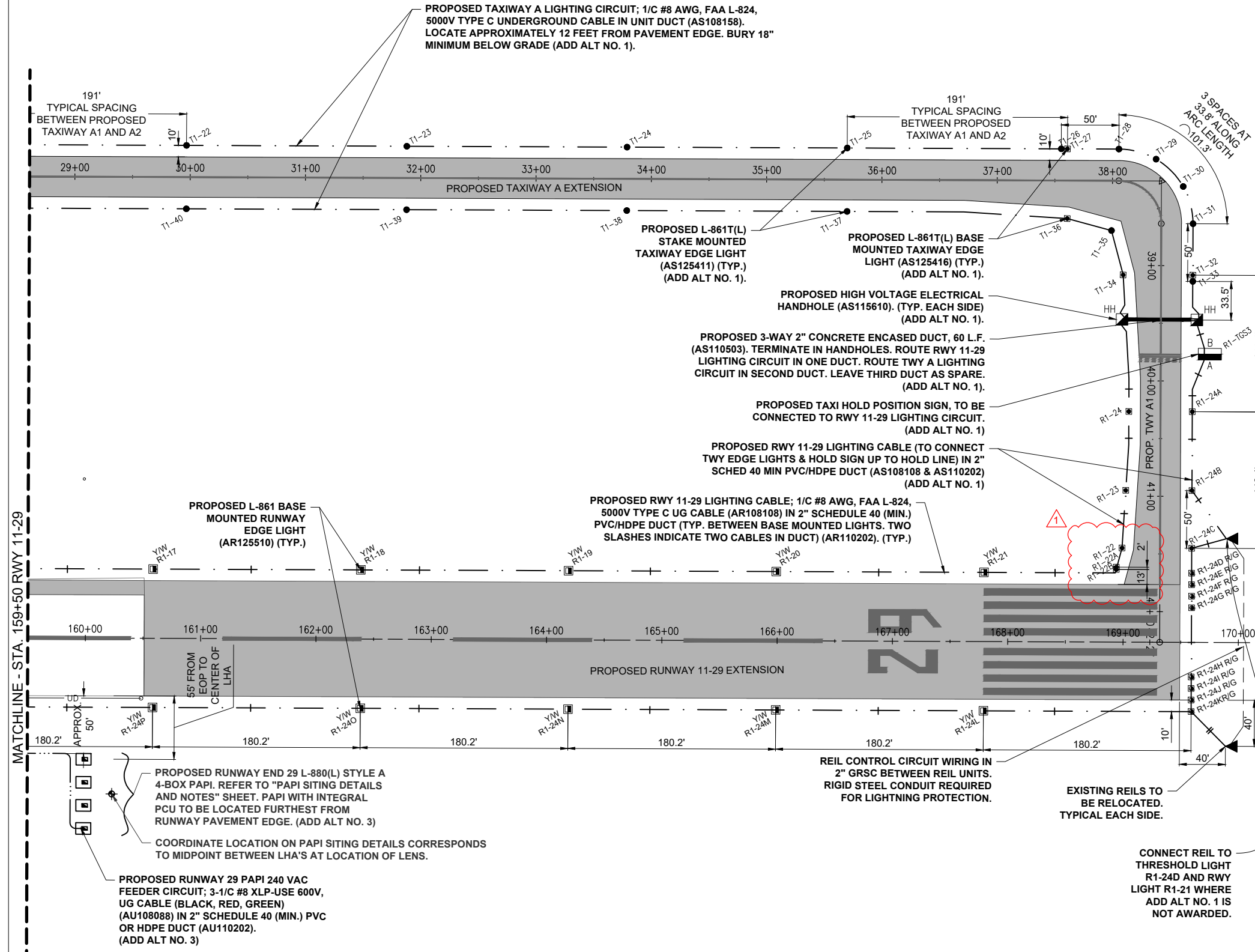
SHEET TITLE

**PROPOSED
ELECTRICAL PLAN -
STA. 159+50 TO STA.
170+50**



LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING ELECTRICAL DUCT
- PROPOSED ELECTRICAL DUCT
- EXISTING ELECTRICAL CABLE/AIRFIELD LIGHTING CABLE
- EXISTING RUNWAY 1 PLASI FEEDER CIRCUIT
- EXISTING RUNWAY 19 PLASI FEEDER CIRCUIT
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FOR BID

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Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE 11/30/2025 EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-303-XS.DWG

DESIGN BY: MJD 10/16/2023

DRAWN BY: NLD 10/27/2023

REVIEWED BY: MJD 11/17/2023

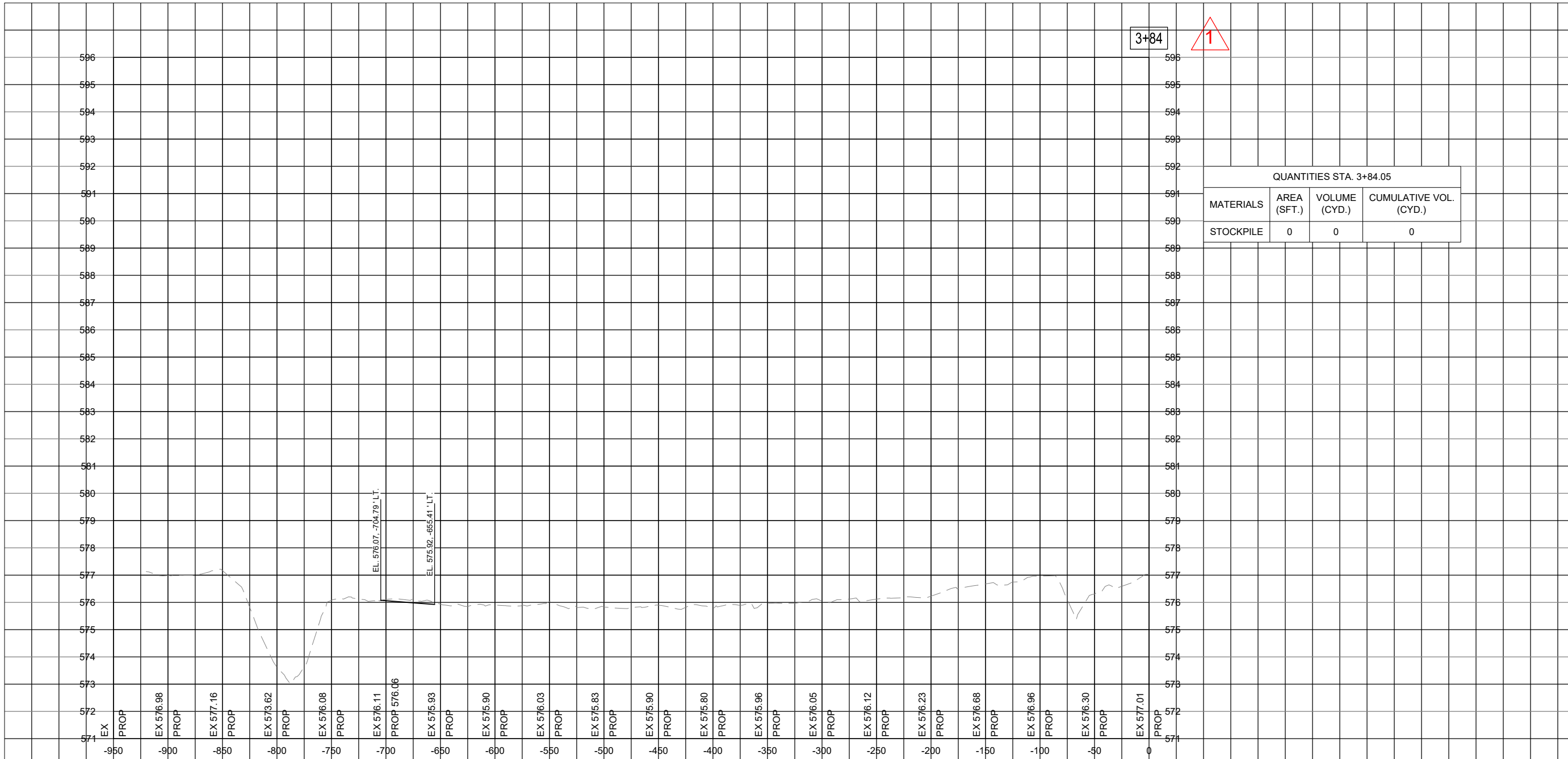
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STOCKPILE CROSS
SECTION - STA. 3+84

3+84



QUANTITIES STA. 3+84.05			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	0	0	0



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

		ADDENDUM A		
1	1/4/2024	MJD	NLD	MJD
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 17, 2023

PROJECT NO: 22A0004D

CAD FILE: C-303-XS.DWG

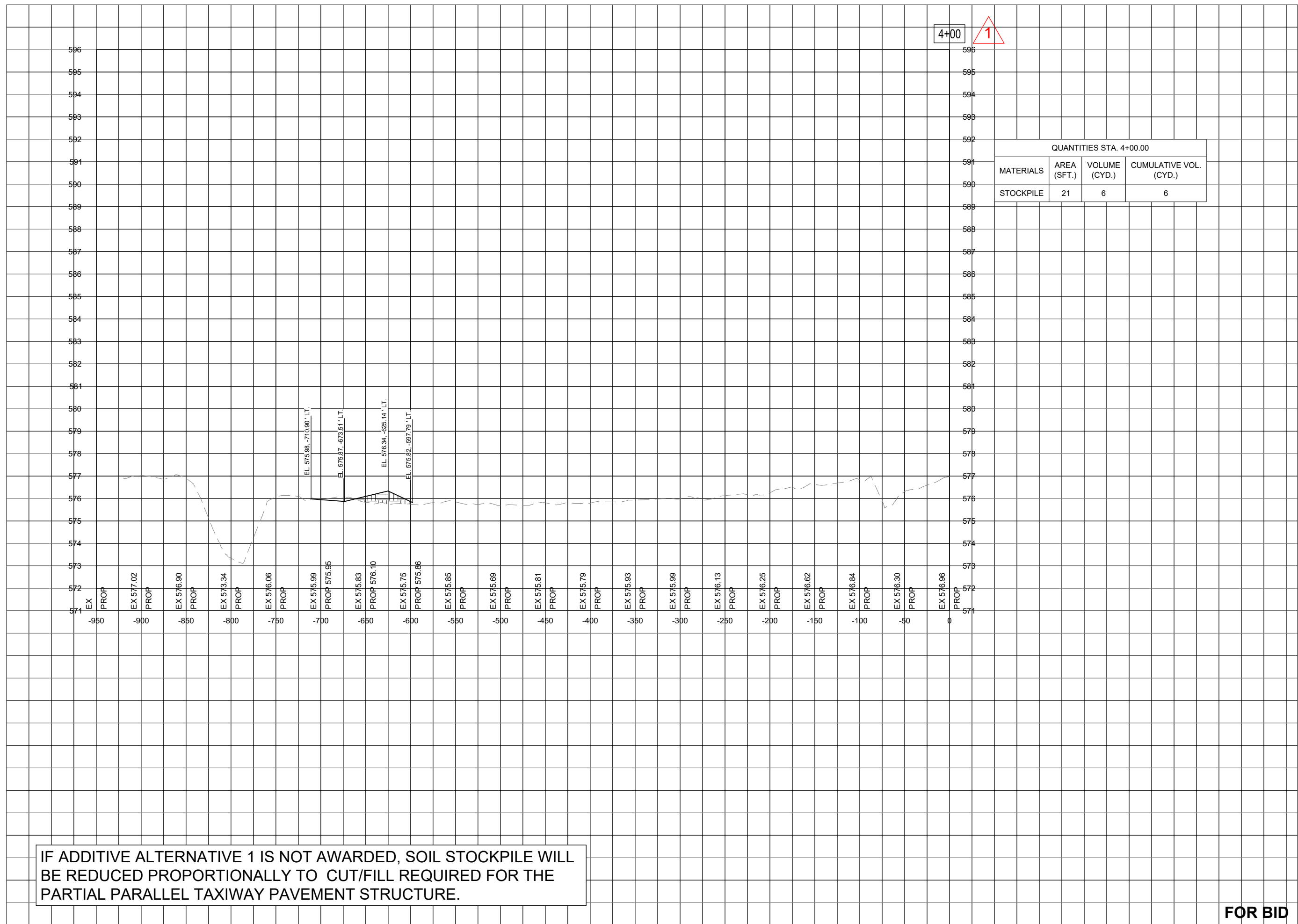
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DRAWN BY: NLD 10/27/2023

REVIEWED BY: MJD 11/17/2023

SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 4+00



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

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EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
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DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

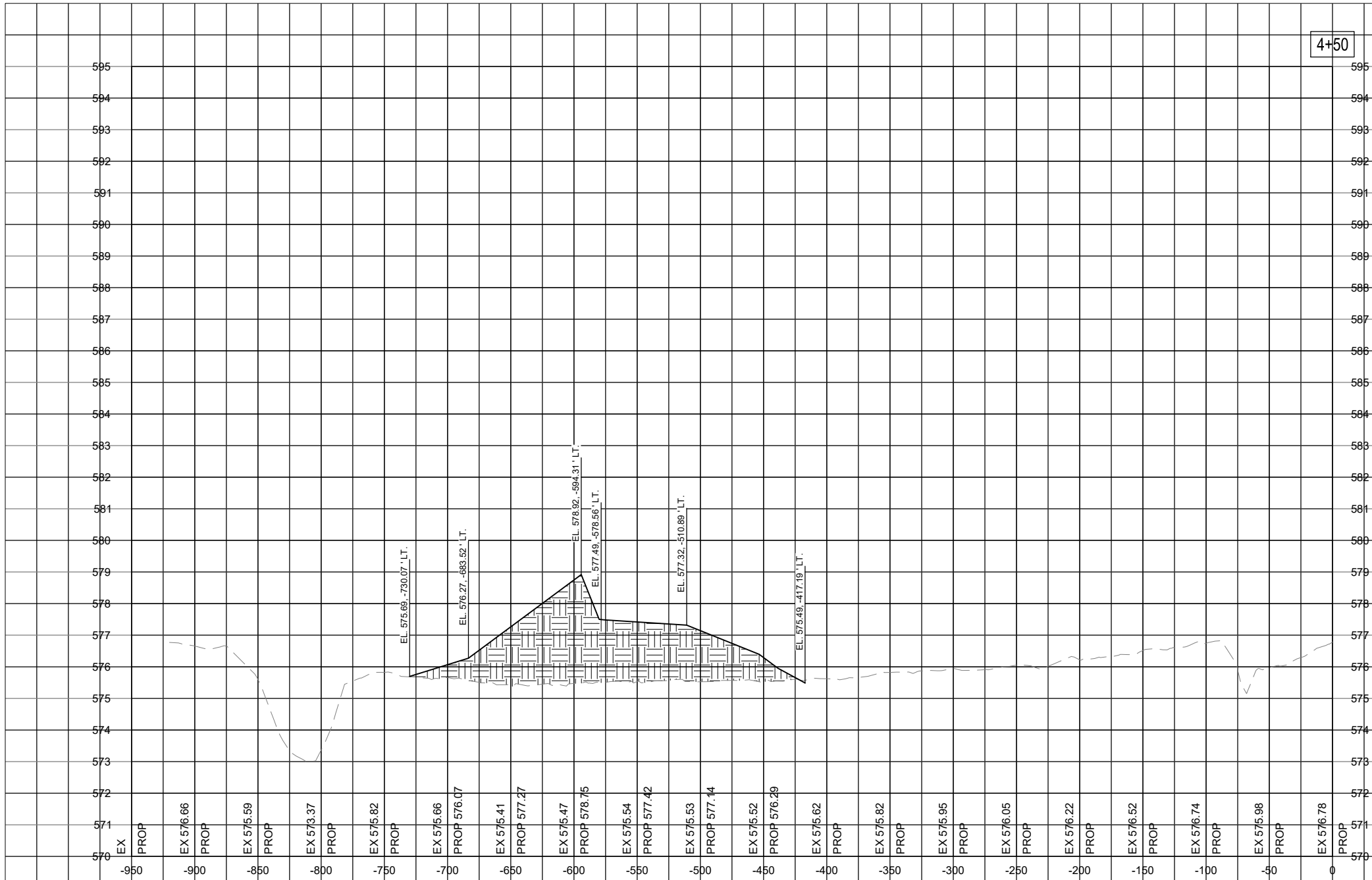
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 4+50

4+50



QUANTITIES STA. 4+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	462	448	454



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

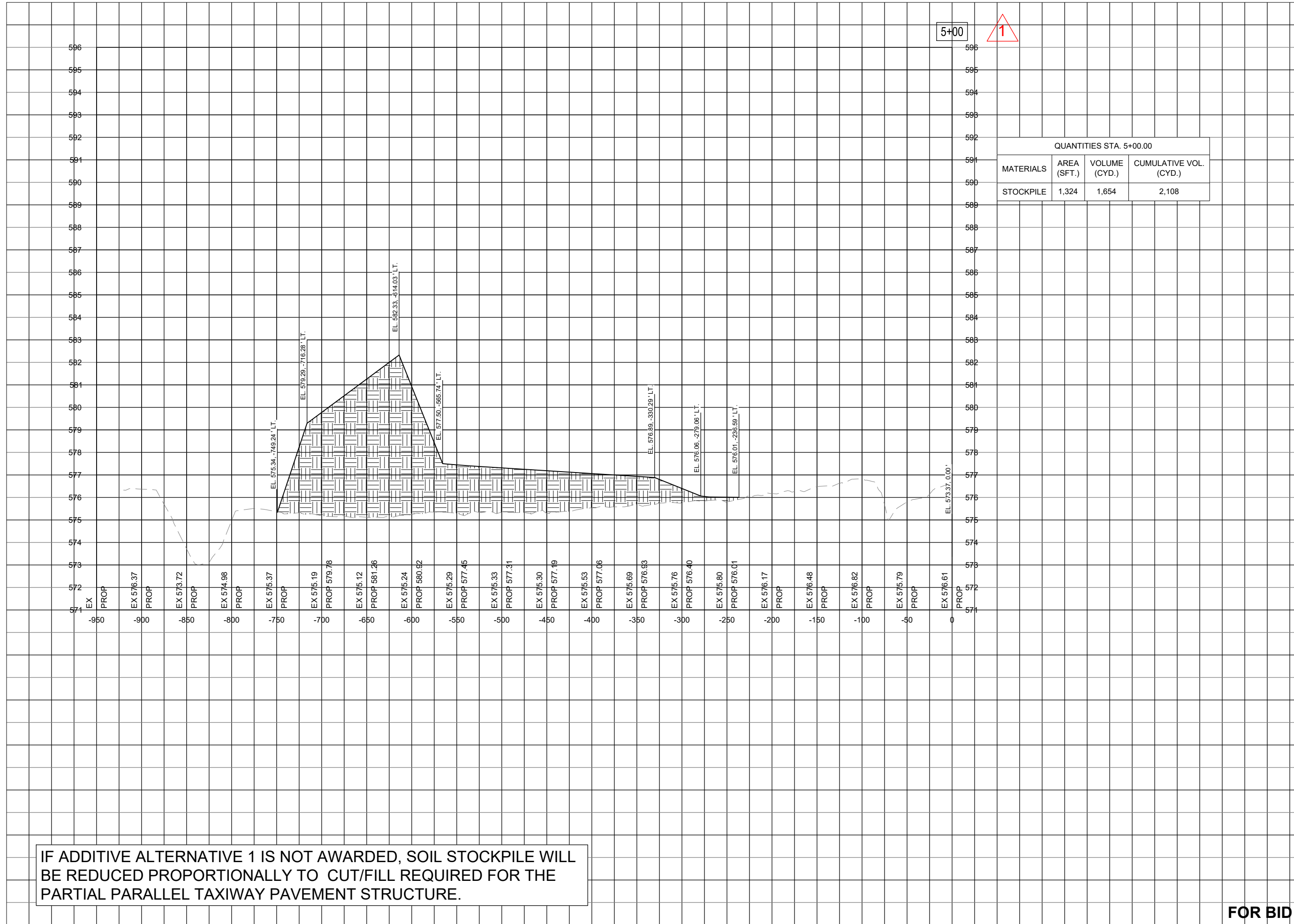
IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 5+00



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE EXPIRES: 11/30/2025

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

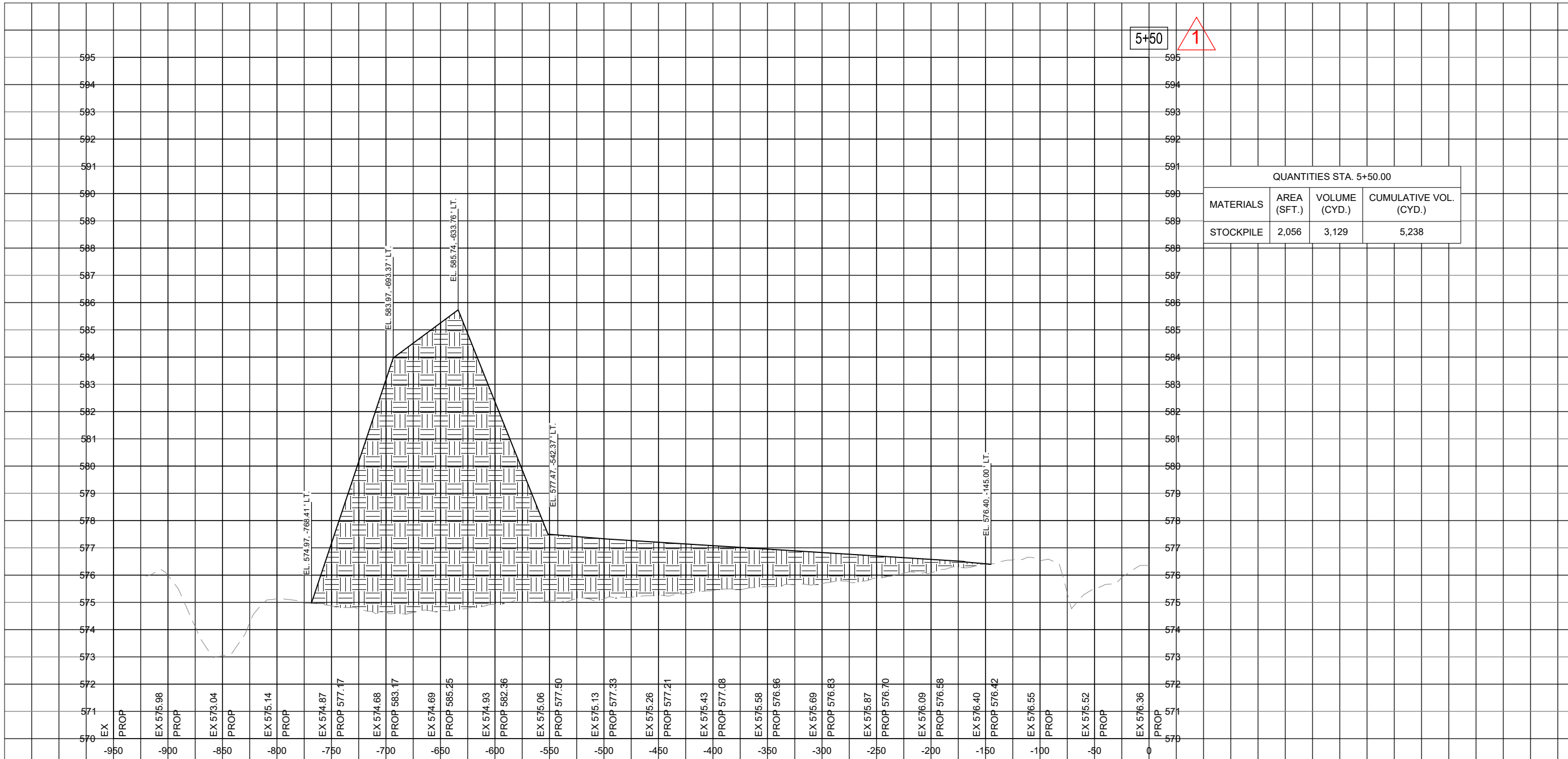
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 5+50

5+50



QUANTITIES STA. 5+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	2,056	3,129	5,238



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE 11/17/2023 LICENSE 11/30/2025
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EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

		ADDENDUM A		
1	1/4/2024	MJD	NLD	MJD
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

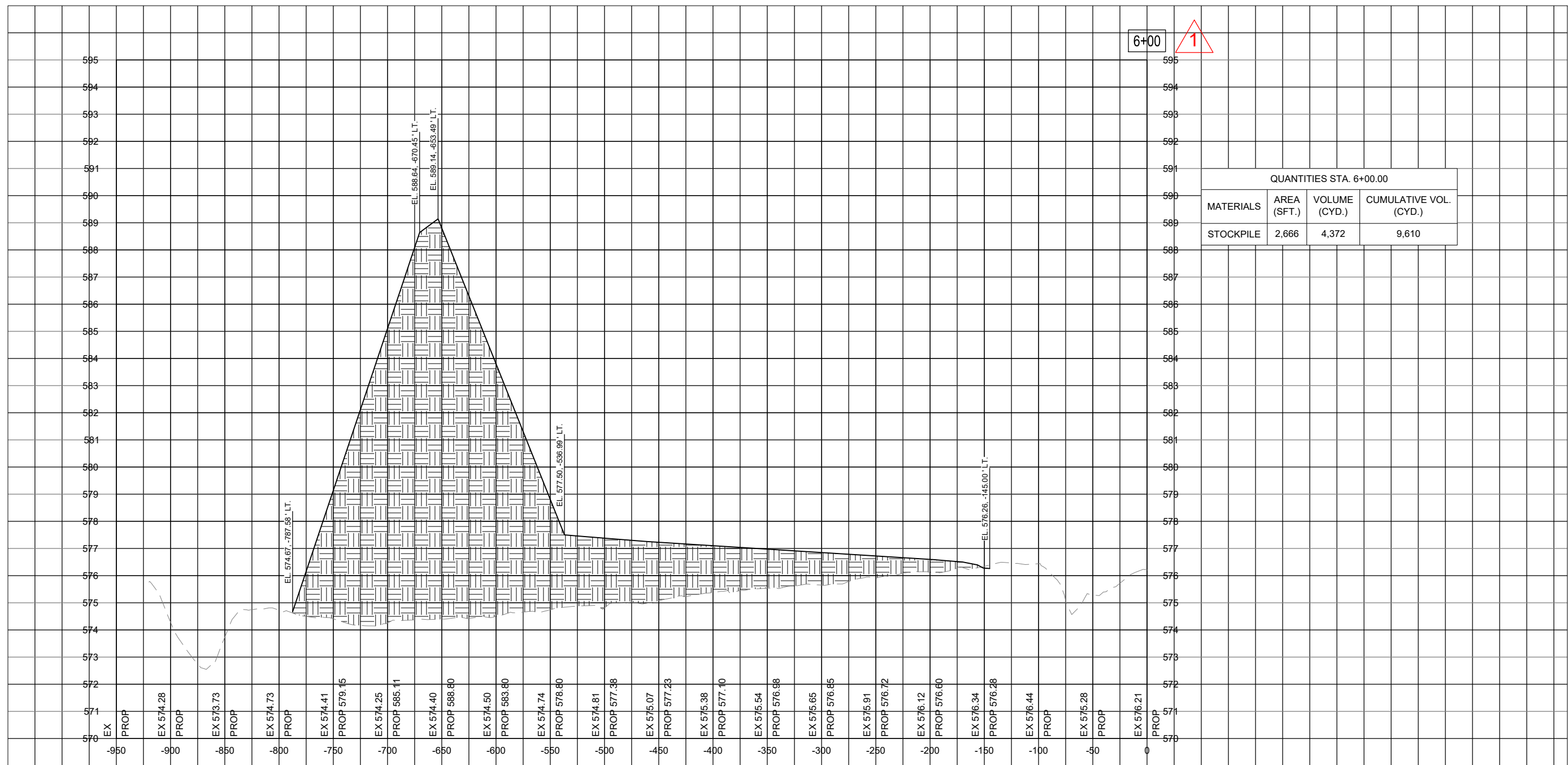
ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 6+00

6+00 1

QUANTITIES STA. 6+00.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	2,666	4,372	9,610



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

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11-29 AND TAXIWAY A

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		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
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REVIEWED BY: MJD 11/17/2023

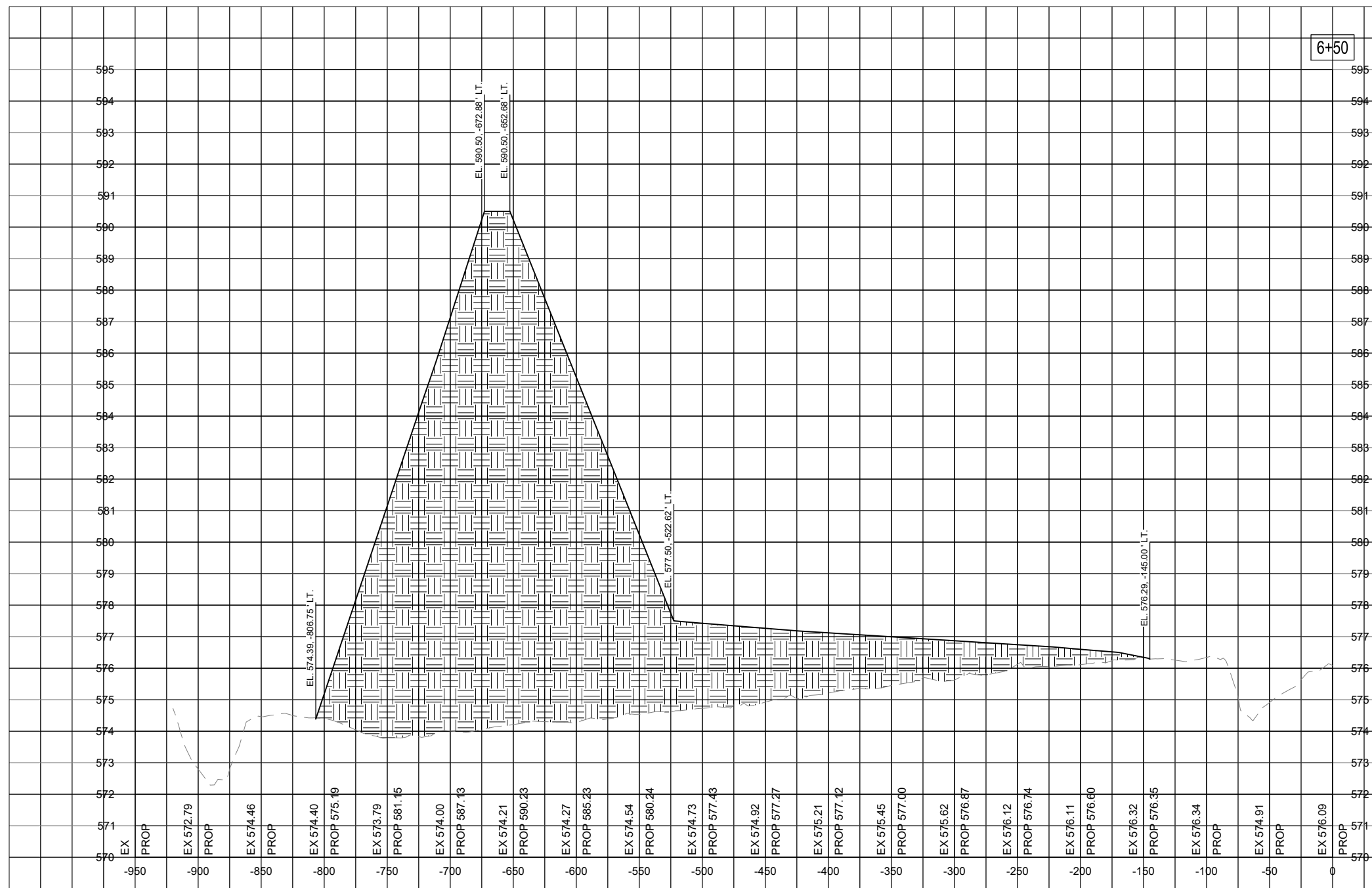
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STOCKPILE CROSS
SECTION - STA. 6+50

6+50



QUANTITIES STA. 6+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	3,244	5,472	15,082



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael Dudas

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NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
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DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

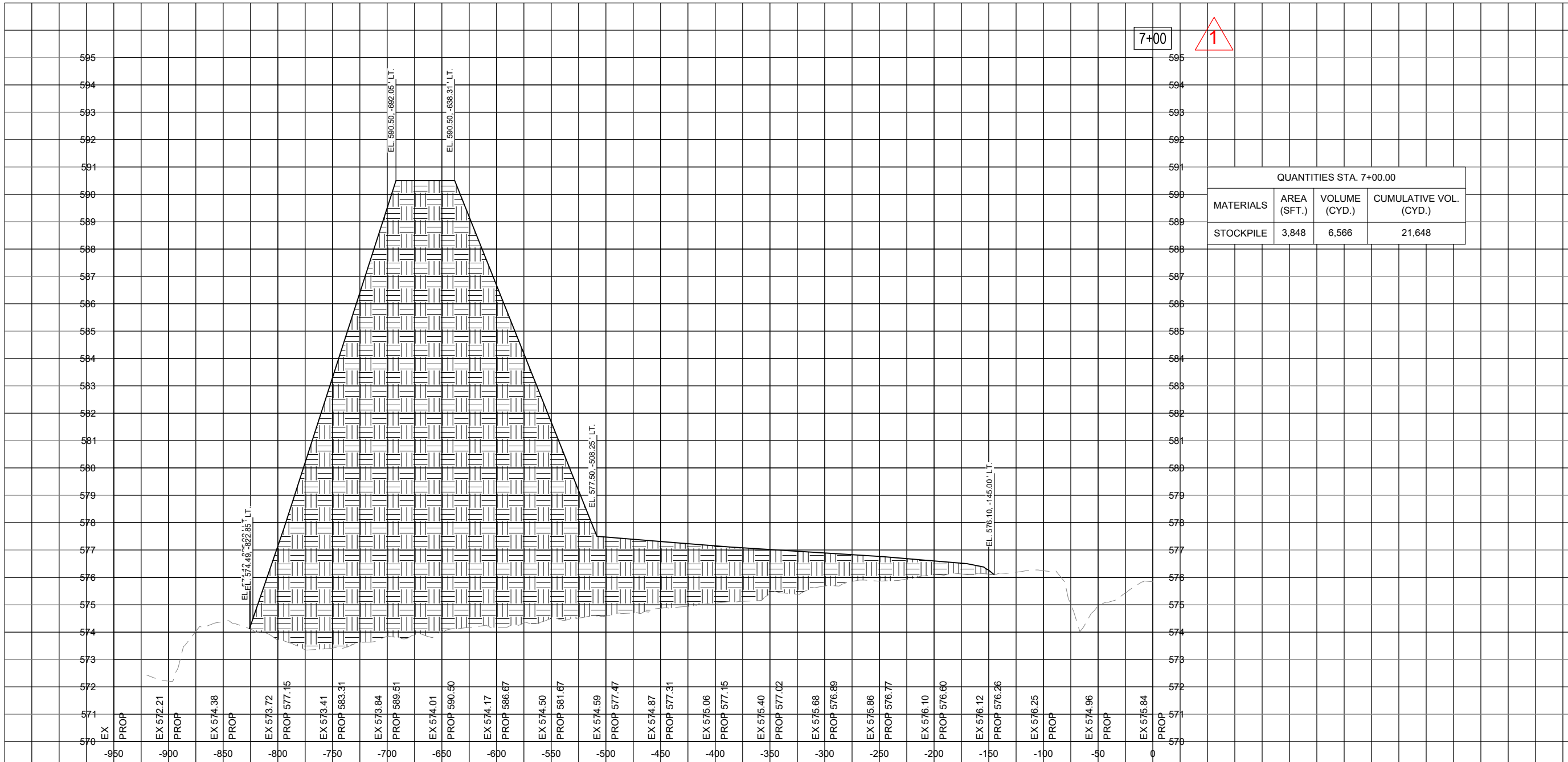
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 7+00

7+00



QUANTITIES STA. 7+00.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	3,848	6,566	21,648



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE EXPIRES: 11/30/2025

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
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CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

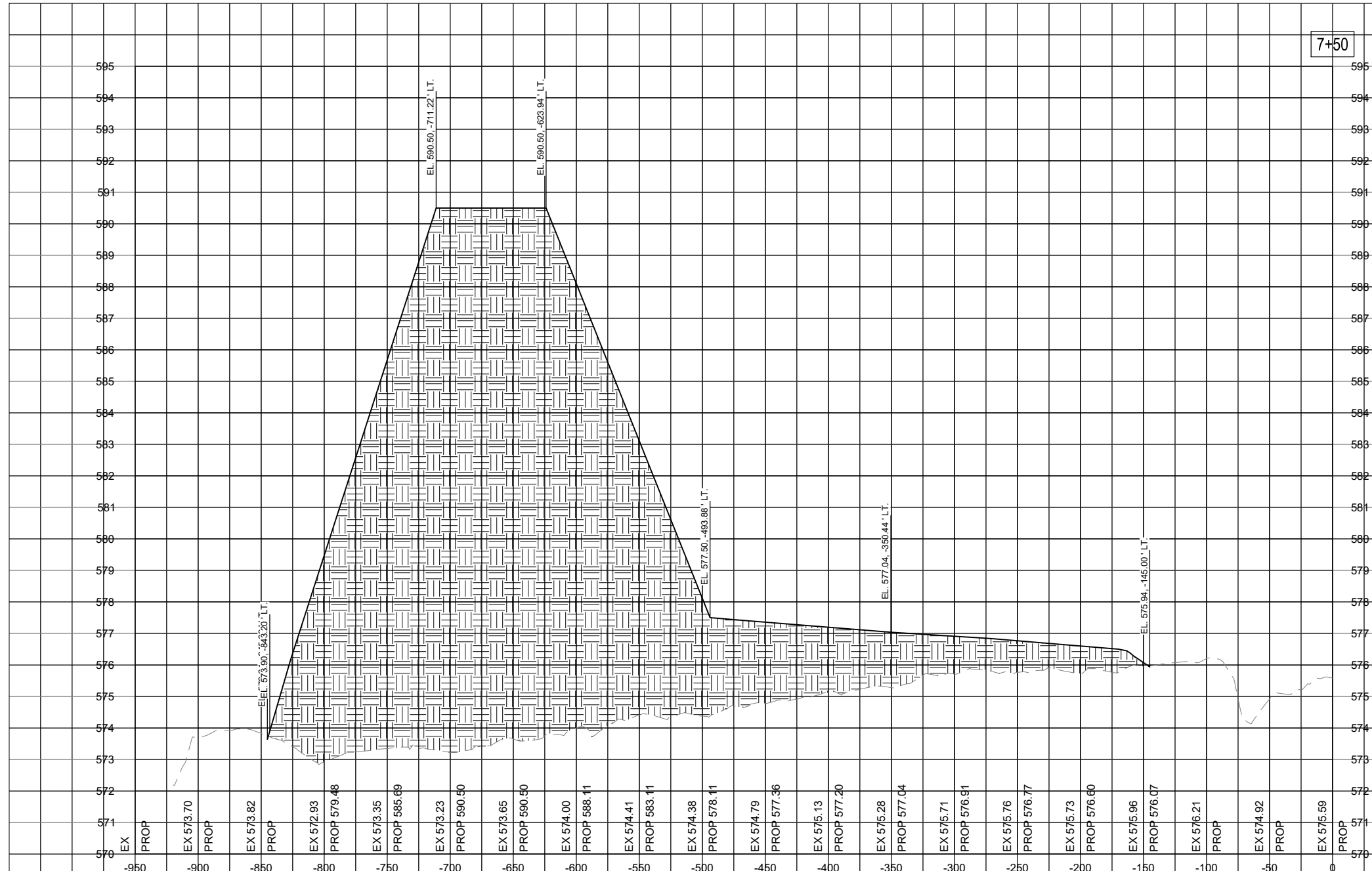
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 7+50

7+50



QUANTITIES STA. 7+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	4,485	7,715	29,364



IF ADDITIVE ALTERNATIVE 1 IS NOT AWARDED, SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
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NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

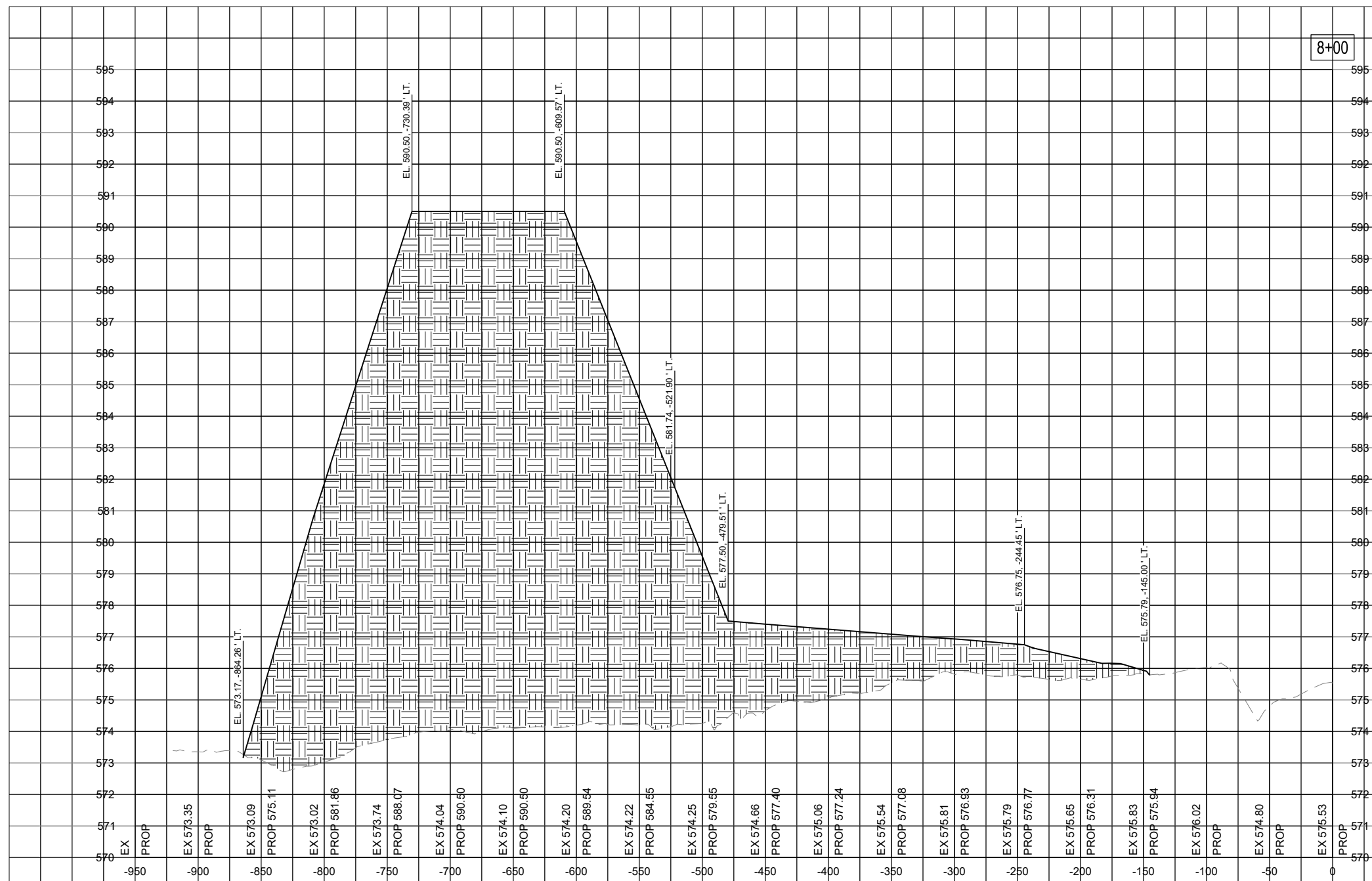
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 8+00

8+00



QUANTITIES STA. 8+00.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	4,921	8,708	38,072



IF ADDITIVE ALTERNATE 1 IS NOT AWARDED, THE SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE SIGNED: 11/17/2023 LICENSE 11/30/2025 EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
PROJECT NO: 22A0004D
CAD FILE: C-303-XS.DWG
DESIGN BY: MJD 10/16/2023
DRAWN BY: NLD 10/27/2023
REVIEWED BY: MJD 11/17/2023

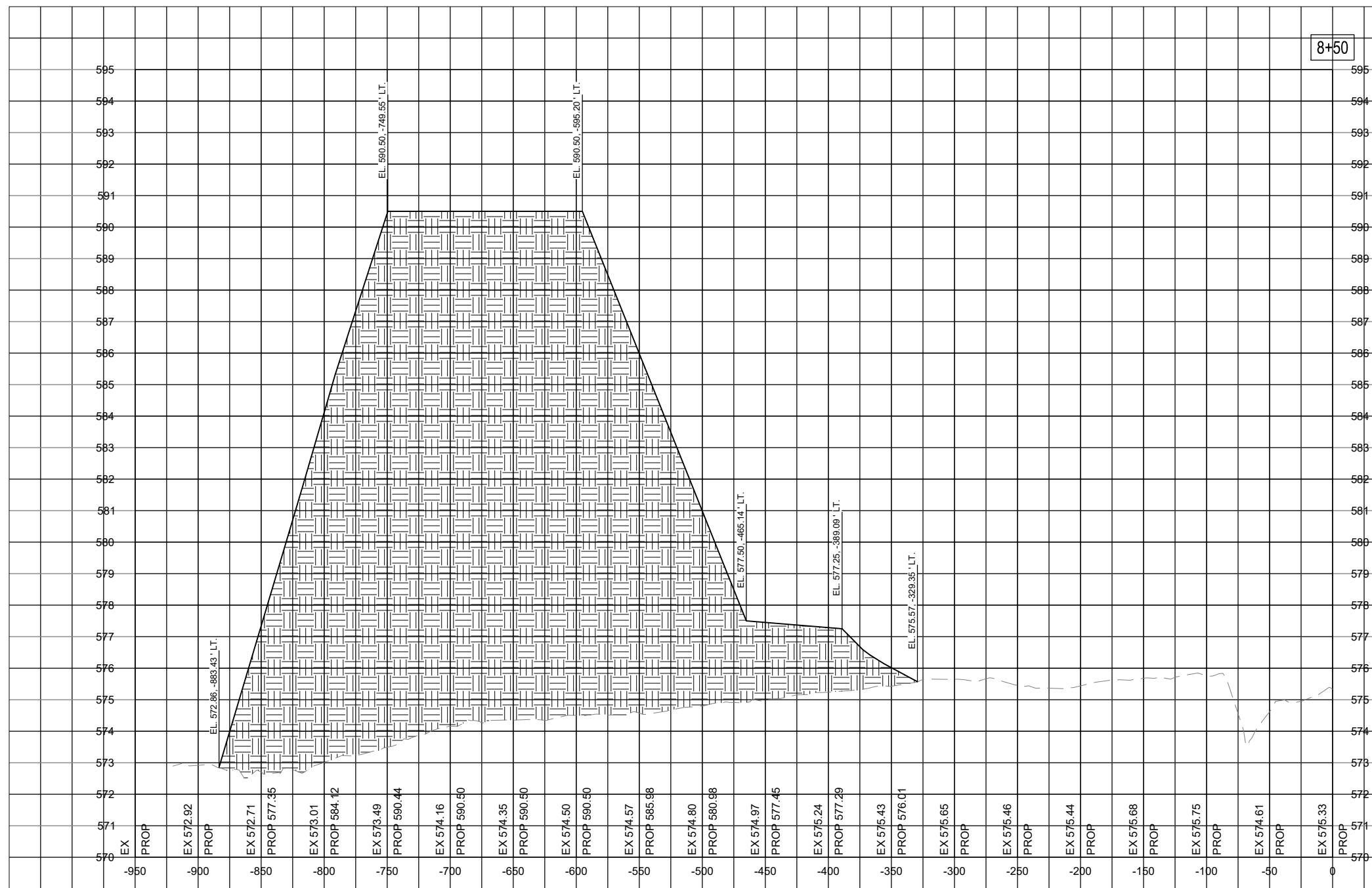
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 8+50

8+50



QUANTITIES STA. 8+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	5,142	9,318	47,390



IF ADDITIVE ALTERNATE 1 IS NOT AWARDED, THE SOIL STOCKPILE WILL BE REDUCED PROPORTIONALLY TO CUT/FILL REQUIRED FOR THE PARTIAL PARALLEL TAXIWAY PAVEMENT STRUCTURE.

FOR BID



Michael J. Dudas

DATE: 11/17/2023 LICENSE: 11/30/2025
SIGNED: EXPIRES:

EXTEND RUNWAY
11-29 AND TAXIWAY A

IDA NO. 1H2-4982
CONTRACT NO. EF010

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
1	1/4/2024	ADDENDUM A		
		MJD	NLD	MJD

ISSUE: NOVEMBER 17, 2023
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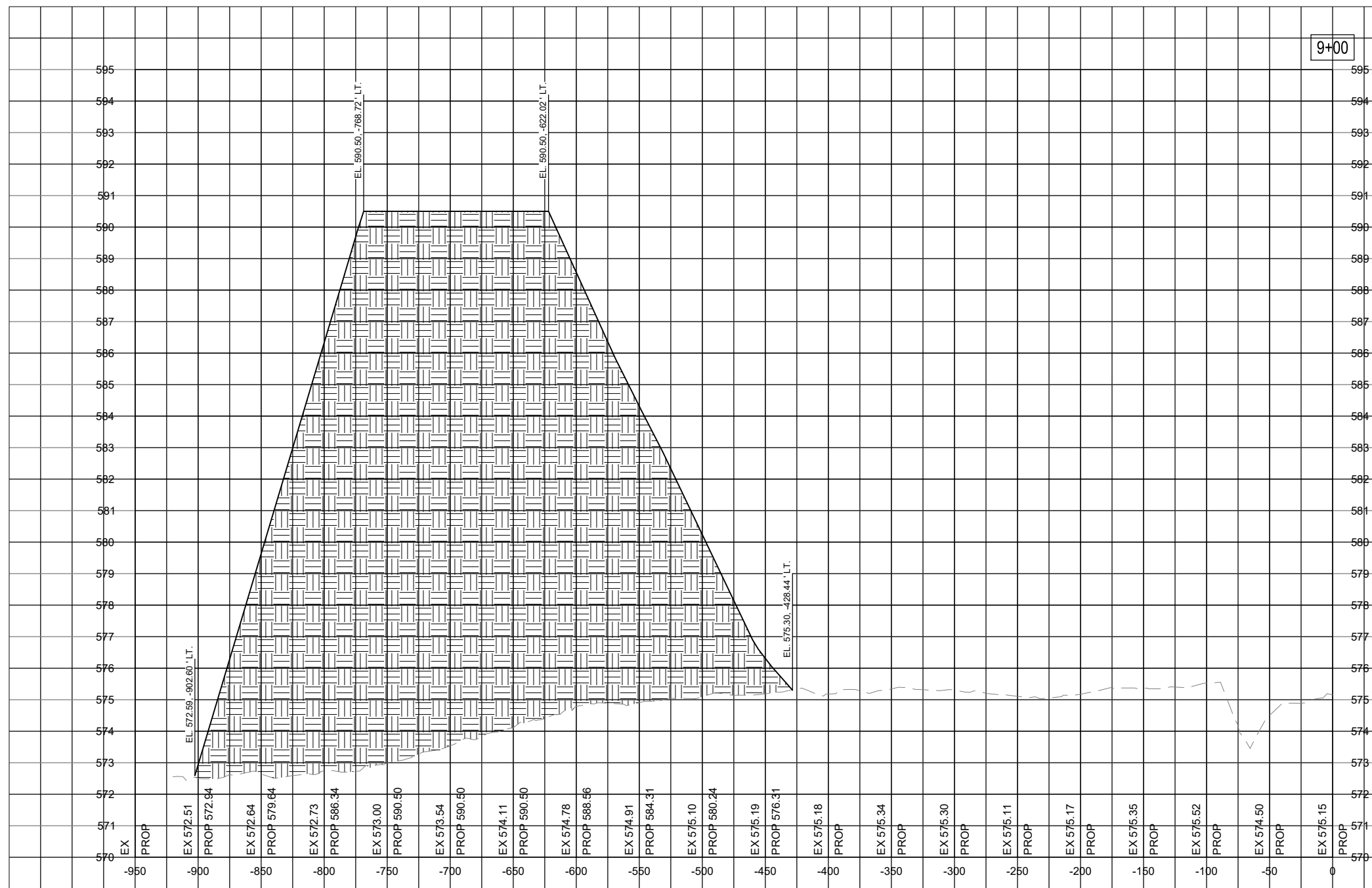
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 9+00

9+00



QUANTITIES STA. 9+00.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	5,106	9,489	56,879



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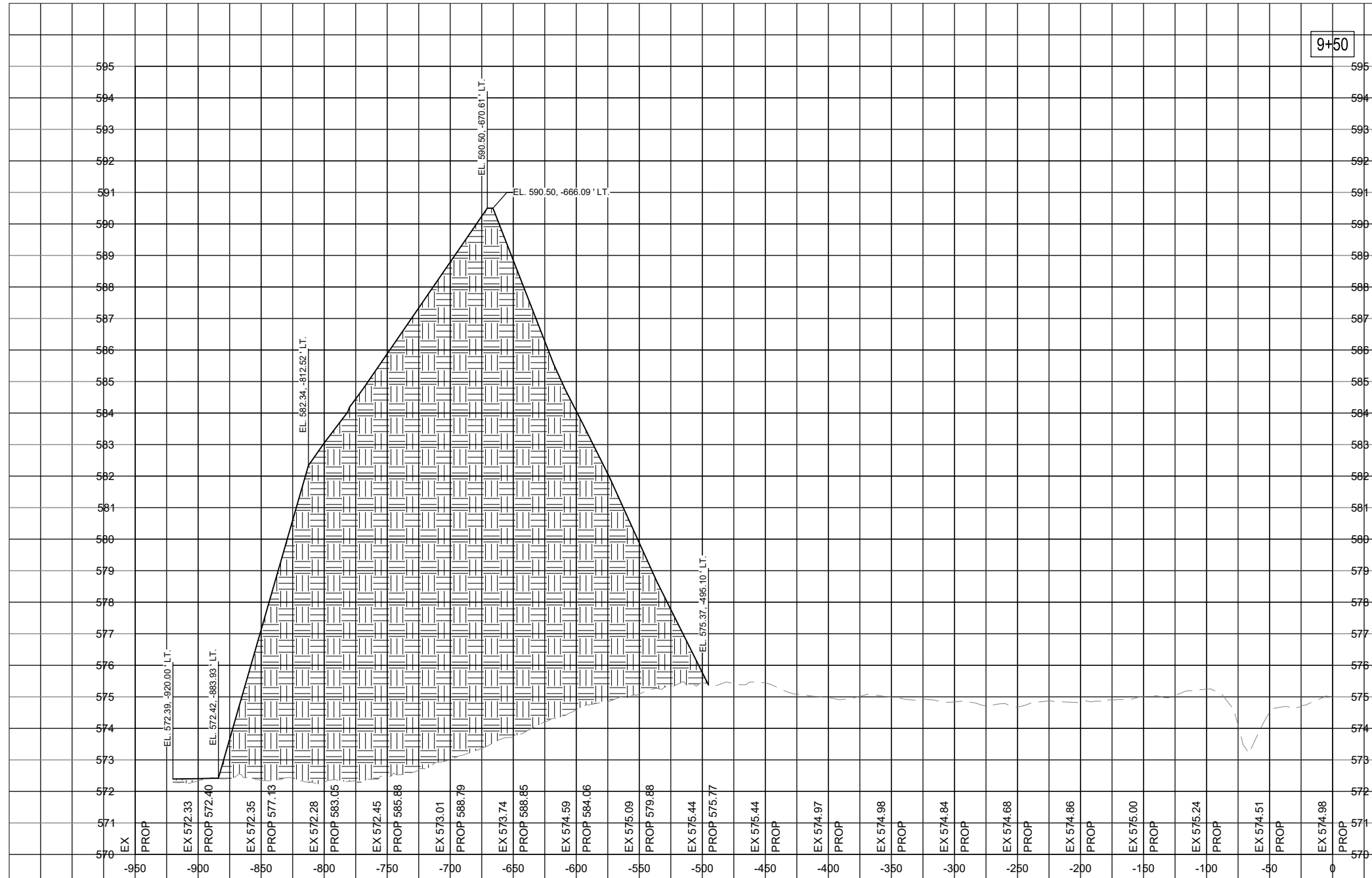
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 9+50

9+50



QUANTITIES STA. 9+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	3,733	8,184	65,063



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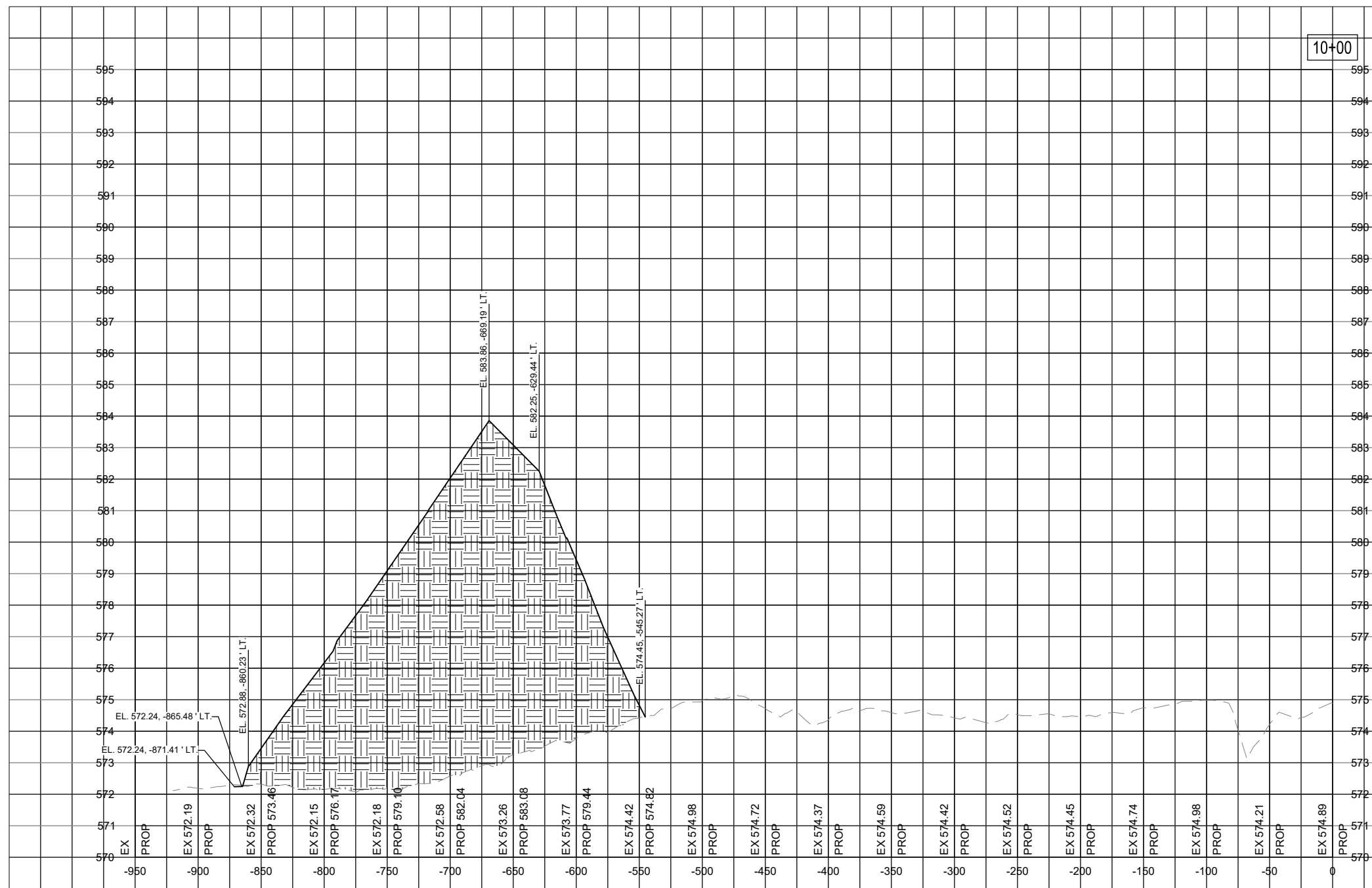
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 10+00

10+00



QUANTITIES STA. 10+00.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	1,896	5,212	70,275



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Michael J. Dudas

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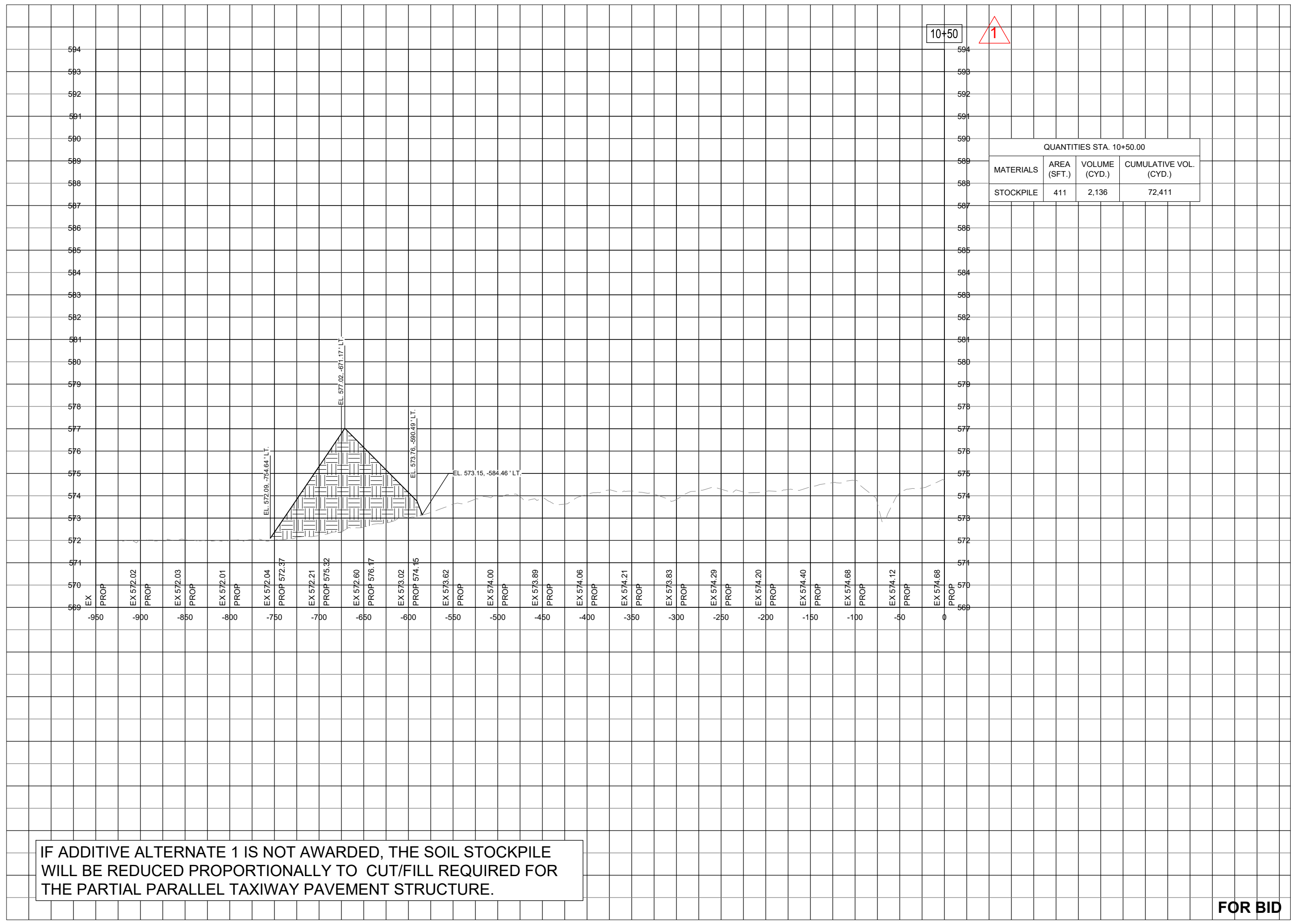
SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 10+50

10+50



QUANTITIES STA. 10+50.00			
MATERIALS	AREA (SFT.)	VOLUME (CYD.)	CUMULATIVE VOL. (CYD.)
STOCKPILE	411	2,136	72,411



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SHEET TITLE

STOCKPILE CROSS
SECTION - STA. 10+90

