

ITEM NO. 08A

IDOT LETTING: APRIL 26, 2024

MA034
TOTAL SHEETS = 28

CONSTRUCTION PLANS

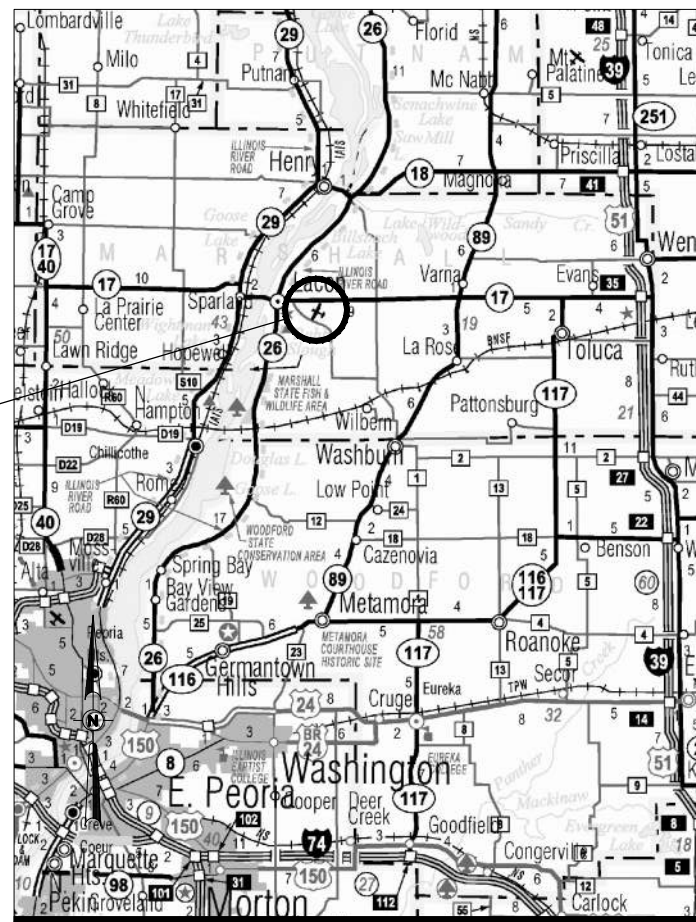
REHABILITATE RUNWAY 13/31

MARSHALL COUNTY AIRPORT BOARD MARSHALL COUNTY AIRPORT (C75) LACON, MARSHALL COUNTY, ILLINOIS

IDA PROJECT NO. C75-5071 SBGP PROJECT NO. 3-17-SBGP-184/TBD

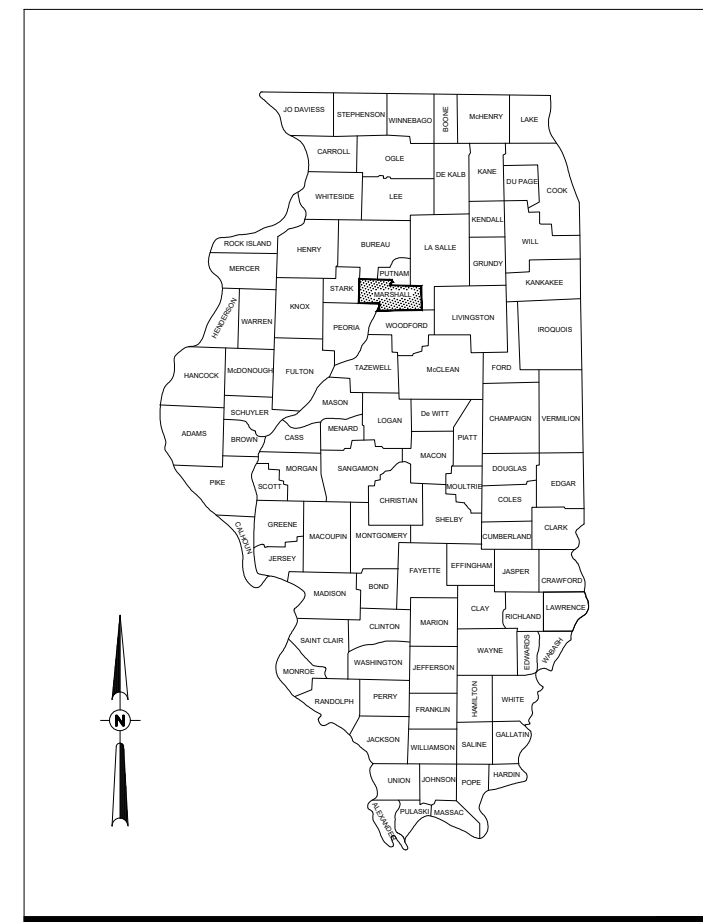
MARCH 1, 2024 - 100% SUBMITTAL

VICINITY MAP



MARSHALL COUNTY AIRPORT

LOCATION MAP



NOTICE TO CONTRACTORS AND BIDDERS

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

No.	Issue/Description	Sheets Changed	Date	By

PLANS PREPARED BY:



HANSON PROFESSIONAL SERVICES INC.
1525 South Sixth Street
Springfield, Illinois 62703-2883
Telephone: 217.788.2450
Fax: 217.788.2503



Lindsay Hausman
Lindsay D. Hausman, P.E.
Project Engineer

MARCH 1, 2024
Date



MARSHALL COUNTY AIRPORT BOARD
MARSHALL COUNTY AIRPORT BOARD
1315 ILLINOIS 17
Lacon, Illinois 61540

Joe Troglio
Joe Troglio
Airport Manager

MARCH 1, 2024
Date



GENERAL NOTES

1. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
2. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
6. THE LOCATION OF THE ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
7. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
9. THE CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE.
10. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
11. NPDES PERMIT - THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS NOT REQUIRED.
12. MATERIAL CERTIFICATIONS - MATERIALS CANNOT BE INSTALLED UNTIL ALL THE MATERIAL CERTIFICATIONS FOR THAT ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
13. CERTIFIED PAYROLLS - THE RESIDENT ENGINEER CANNOT FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023

PROJECT NO: 22A0097

CAD FILE: G-002-SOQ.DWG

DESIGN BY: LDH 02/22/2023

DRAWN BY: HLE 02/22/2023

REVIEWED BY: LDH 03/23/23

SHEET TITLE

SUMMARY OF
QUANTITIES &
GENERAL NOTES

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES & GENERAL NOTES
3	SCOPE OF WORK
4	SITE AND SAFETY PLAN - PHASE 1
5	SITE AND SAFETY PLAN - PHASE 2
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7	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
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9	TYPICAL SECTIONS
10	PAVEMENT PATCHING DETAILS
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15	PLAN AND PROFILE - SHEET 1
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18	PLAN AND PROFILE - SHEET 4
19	MARKING PLAN - SHEET 1
20	MARKING PLAN - SHEET 2
21	MARKING DETAILS
22	CROSS-SECTION 108+25 TO 111+00
23	CROSS-SECTION 111+25 TO 114+00
24	CROSS-SECTION 114+25 TO 117+00
25	CROSS-SECTION 117+25 TO 120+00
26	CROSS-SECTION 120+25 TO 123+00
27	CROSS-SECTION 123+25 TO 126+00
28	CROSS-SECTION 126+25 TO 127+75

SUMMARY OF QUANTITIES - BASE BID					
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY	
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		
AR152480	SHOULDER ADJUSTMENT	SQ YD	4,515		
AR156510	SILT FENCE	FOOT	1,346		
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	FOOT	10,800		
AR201670	CRACK CONTROL FABRIC	SQ YD	913		
AR401614	BIT. SURF. CSE.-METHOD II, SUPERPAVE	TON	6,155.0		
AR401630	BITUMINOUS SURFACE TEST SECTION	EACH	1		
AR401650	BITUMINOUS PAVEMENT MILLING	SQ YD	35,513		
AR401660	SAW & SEAL BIT. JOINTS	FOOT	452		
AR401915	REM & REP BIT PAVEMENT-TYPE A	SQ YD	478		
AR401916	REM & REP BIT PAVEMENT-TYPE B	SQ YD	256		
AR603510	BITUMINOUS TACK COAT	GALLON	4,617		
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	26,747		
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	7,350		
AR901510	SEEDING	ACRE	0.90		
AR908510	MULCHING	ACRE	0.90		

RESPONSIBILITY FOR EXISTING UTILITIES

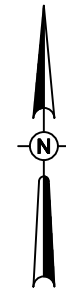
THE LOCATION, SIZE AND/OR TYPE OF MATERIAL OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES AS MAY BE INDICATED ON THESE CONSTRUCTION PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE PROJECT ENGINEER HAVE INDEPENDENTLY VERIFIED THIS INFORMATION AND NEITHER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE INFORMATION AND GIVE NO EXPRESSED OR IMPLIED GUARANTEE THAT ANY CONDITIONS INDICATED ARE REPRESENTATIVE OF ACTUAL CONDITIONS TO BE ENCOUNTERED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND SHALL OBTAIN FROM EACH PARTY DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF ALL UTILITIES AND THE WORKING SCHEDULE OF ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHONE 800-892-0123) TO ASSIST IN THE ABOVE.

THE CONTRACTOR SHALL PROTECT ANY FACILITIES TO THE SATISFACTION OF THE UTILITY OR OWNING-AGENCY WITH THE COST OF ANY REQUIRED PROTECTION TO BE INCIDENTAL TO THE CONTRACT. IN THE EVENT A UTILITY LINE OR SERVICE IS UNEXPECTEDLY ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE UTILITY COMPANY OR AGENCY OF JURISDICTION. ANY SUCH UTILITIES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO SERVICE AT ONCE.

J.U.L.I.E. INFORMATION

COUNTY _____ MARSHALL
 CITY _____ LACON
 TOWNSHIP _____ 30N
 RANGE _____ 2W
 SECTION NO. _____ 31
 PRINCIPAL MERIDIAN _____ 3
 QUAD _____ LACON
 TWP./PRECINCT _____ HOPEWEL TOWNSHIP
 ADDRESS _____ MARSHALL COUNTY COURT AIRPORT
 1315 IL-17
 LACON, IL 61540



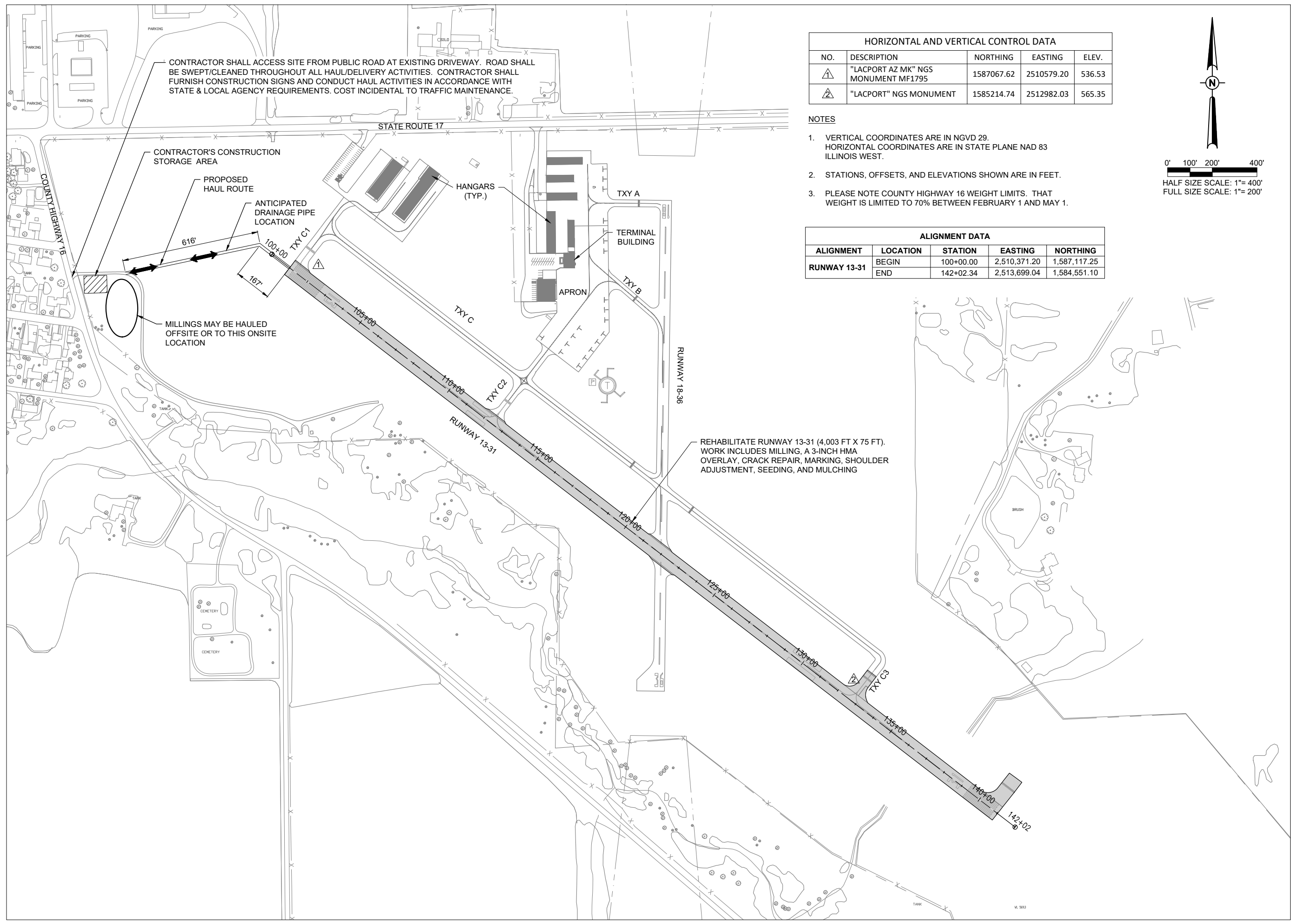
0' 100' 200' 400'
HALF SIZE SCALE: 1"= 400'
FULL SIZE SCALE: 1"= 200'

HORIZONTAL AND VERTICAL CONTROL DATA				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
△	"LACPORT AZ MK" NGS MONUMENT MF1795	1587067.62	2510579.20	536.53
△	"LACPORT" NGS MONUMENT	1585214.74	2512982.03	565.35

NOTES

1. VERTICAL COORDINATES ARE IN NGVD 29. HORIZONTAL COORDINATES ARE IN STATE PLANE NAD 83 ILLINOIS WEST.
2. STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE IN FEET.
3. PLEASE NOTE COUNTY HIGHWAY 16 WEIGHT LIMITS. THAT WEIGHT IS LIMITED TO 70% BETWEEN FEBRUARY 1 AND MAY 1.

ALIGNMENT DATA				
ALIGNMENT	LOCATION	STATION	EASTING	NORTHING
RUNWAY 13-31	BEGIN	100+00.00	2,510,371.20	1,587,117.25
	END	142+02.34	2,513,699.04	1,584,551.10



CONTRACTOR SHALL ACCESS SITE FROM PUBLIC ROAD AT EXISTING DRIVEWAY. ROAD SHALL BE SWEEP/CLEANED THROUGHOUT ALL HAUL/DELIVERY ACTIVITIES. CONTRACTOR SHALL FURNISH CONSTRUCTION SIGNS AND CONDUCT HAUL ACTIVITIES IN ACCORDANCE WITH STATE & LOCAL AGENCY REQUIREMENTS. COST INCIDENTAL TO TRAFFIC MAINTENANCE.

CONTRACTOR'S CONSTRUCTION STORAGE AREA

PROPOSED HAUL ROUTE

ANTICIPATED DRAINAGE PIPE LOCATION

MILLINGS MAY BE HAULED OFFSITE OR TO THIS ONSITE LOCATION

REHABILITATE RUNWAY 13-31 (4,003 FT X 75 FT). WORK INCLUDES MILLING, A 3-INCH HMA OVERLAY, CRACK REPAIR, MARKING, SHOULDER ADJUSTMENT, SEEDING, AND MULCHING

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

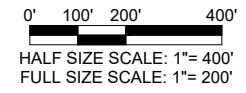
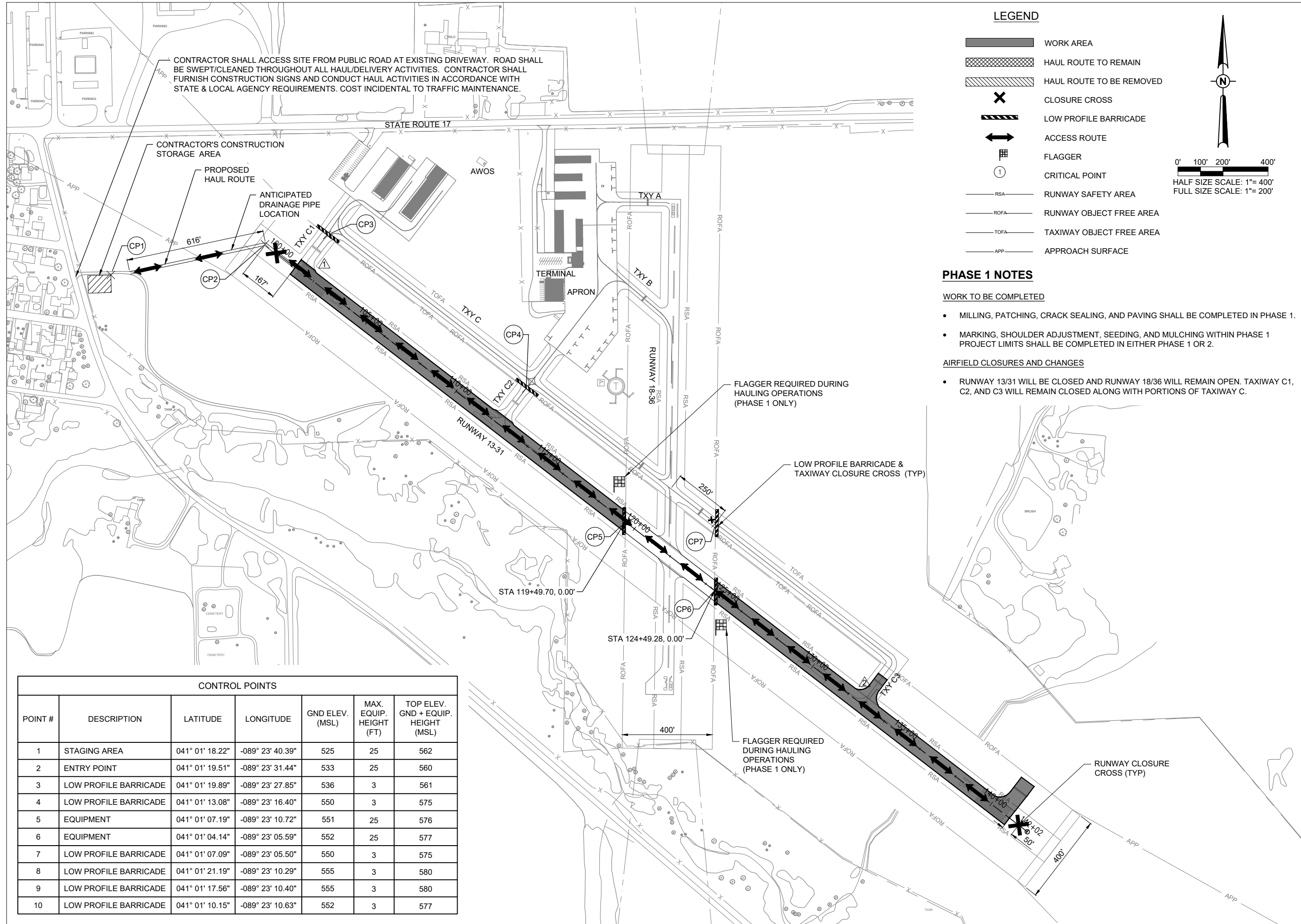
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-101-SOW.DWG
DESIGN BY: LDH 02/22/2023
DRAWN BY: HLE 02/22/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

SCOPE OF WORK



CONTROL POINTS						
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	GND ELEV. (MSL)	MAX. EQUIP. HEIGHT (FT)	TOP ELEV. GND + EQUIP. HEIGHT (MSL)
1	STAGING AREA	041° 01' 18.22"	-089° 23' 40.39"	525	25	562
2	ENTRY POINT	041° 01' 19.51"	-089° 23' 31.44"	533	25	560
3	LOW PROFILE BARRICADE	041° 01' 19.89"	-089° 23' 27.85"	536	3	561
4	LOW PROFILE BARRICADE	041° 01' 13.08"	-089° 23' 16.40"	550	3	575
5	EQUIPMENT	041° 01' 07.19"	-089° 23' 10.72"	551	25	576
6	EQUIPMENT	041° 01' 04.14"	-089° 23' 05.59"	552	25	577
7	LOW PROFILE BARRICADE	041° 01' 07.09"	-089° 23' 05.50"	550	3	575
8	LOW PROFILE BARRICADE	041° 01' 21.19"	-089° 23' 10.29"	555	3	580
9	LOW PROFILE BARRICADE	041° 01' 17.56"	-089° 23' 10.40"	555	3	580
10	LOW PROFILE BARRICADE	041° 01' 10.15"	-089° 23' 10.63"	552	3	577

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV
ISSUE: APRIL 21, 2023				
PROJECT NO: 22A0097				
CAD FILE: C-102-CSPP.DWG				
DESIGN BY: LDH 02/22/2023				
DRAWN BY: HLE 02/22/2023				
REVIEWED BY: LDH 03/23/23				

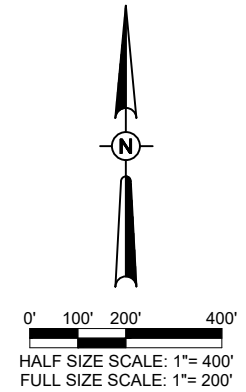
SHEET TITLE

SITE AND SAFETY PLAN - PHASE 1



LEGEND

- WORK AREA
- HAUL ROUTE TO REMAIN
- HAUL ROUTE TO BE REMOVED
- CLOSURE CROSS
- LOW PROFILE BARRICADE
- ACCESS ROUTE
- FLAGGER
- CRITICAL POINT
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- TAXIWAY OBJECT FREE AREA
- APPROACH SURFACE



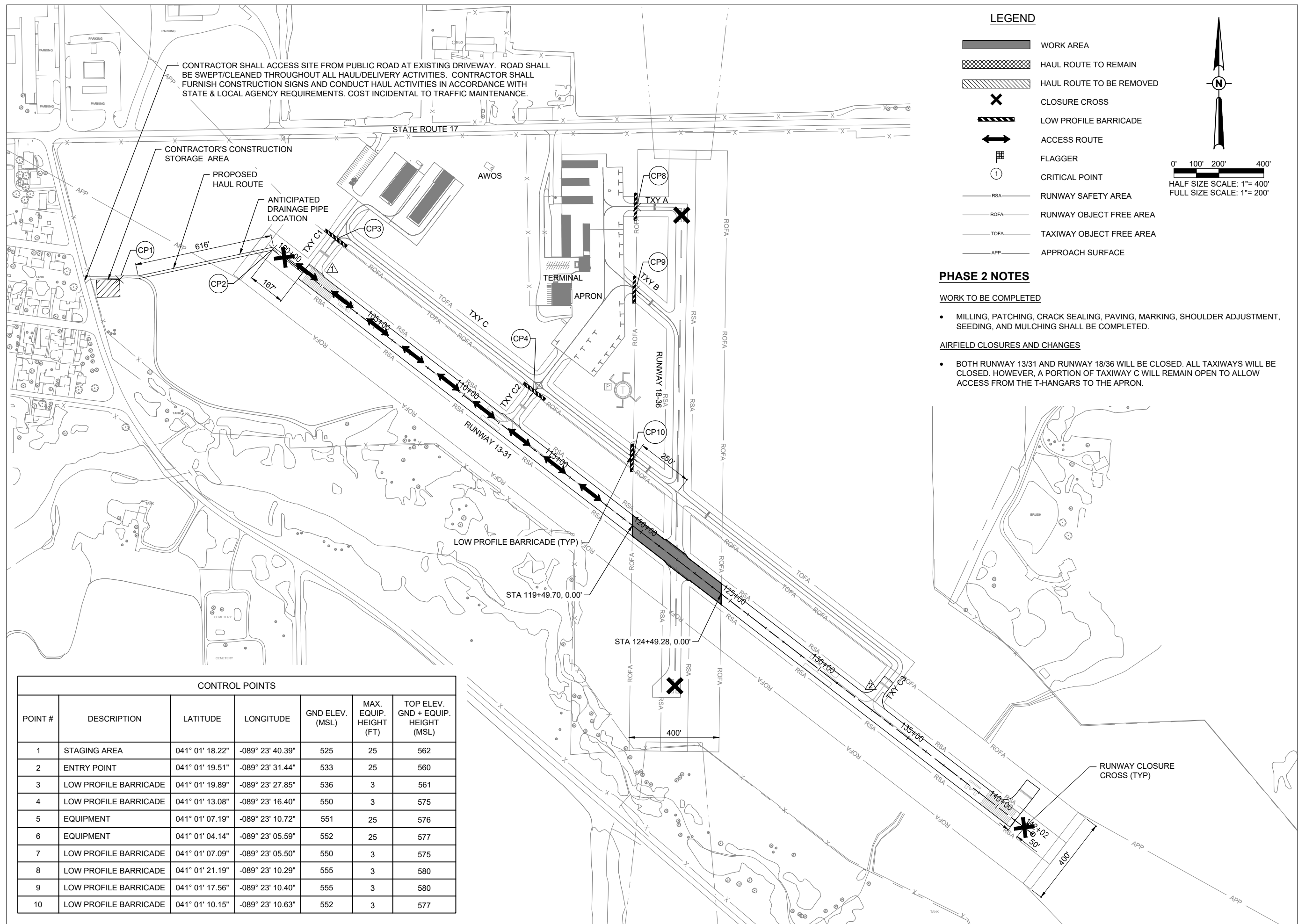
PHASE 2 NOTES

WORK TO BE COMPLETED

- MILLING, PATCHING, CRACK SEALING, PAVING, MARKING, SHOULDER ADJUSTMENT, SEEDING, AND MULCHING SHALL BE COMPLETED.

AIRFIELD CLOSURES AND CHANGES

- BOTH RUNWAY 13/31 AND RUNWAY 18/36 WILL BE CLOSED. ALL TAXIWAYS WILL BE CLOSED. HOWEVER, A PORTION OF TAXIWAY C WILL REMAIN OPEN TO ALLOW ACCESS FROM THE T-HANGARS TO THE APRON.



CONTRACTOR SHALL ACCESS SITE FROM PUBLIC ROAD AT EXISTING DRIVEWAY. ROAD SHALL BE SWEEP/CLEANED THROUGHOUT ALL HAUL/DELIVERY ACTIVITIES. CONTRACTOR SHALL FURNISH CONSTRUCTION SIGNS AND CONDUCT HAUL ACTIVITIES IN ACCORDANCE WITH STATE & LOCAL AGENCY REQUIREMENTS. COST INCIDENTAL TO TRAFFIC MAINTENANCE.

CONTRACTOR'S CONSTRUCTION STORAGE AREA

PROPOSED HAUL ROUTE

ANTICIPATED DRAINAGE PIPE LOCATION

LOW PROFILE BARRICADE (TYP)

STA 119+49.70, 0.00'

STA 124+49.28, 0.00'

RUNWAY CLOSURE CROSS (TYP)

CONTROL POINTS

POINT #	DESCRIPTION	LATITUDE	LONGITUDE	GND ELEV. (MSL)	MAX. EQUIP. HEIGHT (FT)	TOP ELEV. GND + EQUIP. HEIGHT (MSL)
1	STAGING AREA	041° 01' 18.22"	-089° 23' 40.39"	525	25	562
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REHABILITATE RUNWAY 13/31

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Contract No. MA034

NO.	DATE	DESCRIPTION		
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ISSUE: APRIL 21, 2023

PROJECT NO: 22A0097

CAD FILE: C-102-CSPP.DWG

DESIGN BY: LDH 02/22/2023

DRAWN BY: HLE 02/22/2023

REVIEWED BY: LDH 03/23/23

SHEET TITLE

SITE AND SAFETY PLAN - PHASE 2

SAFETY NOTES

- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN. **ANY MODIFICATION TO THIS PLAN MUST BE APPROVED BY THE FAA, THE OWNER, AND THE RESIDENT ENGINEER/TECHNICIAN.**
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- PRIOR TO ACCESSING THE AIRFIELD, ANY DESIGNATED CONTRACTOR OR SUBCONTRACTOR EMPLOYEES WHO WILL BE OPERATING OR ESCORTING A VEHICLE ON AN ACTIVE AREA OF THE AIRFIELD MUST BE FAMILIAR WITH THE "FAA GUIDE TO GROUND VEHICLE OPERATIONS", AND KEEP A HARD COPY IN THE VEHICLE FOR REFERENCE. THE GUIDE CAN BE FOUND AT: https://www.faa.gov/airports/runway_safety/media/Ground_Vehicle_Guide_Proof_Final.pdf
- NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE (OPEN) AIRFIELD PAVEMENT AREA WITHOUT AN APPROPRIATE ESCORT. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN **250'** OF RWY 13/31 AND **125'** RWY 18/36 (DISTANCES MEASURED FROM ACTIVE CENTERLINES) UNLESS CLOSED OR OTHERWISE NOTED. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL ALSO NOT BE PERMITTED WITHIN **66.5'** OF ANY ACTIVE AIRPORT TAXIWAY CENTERLINE OR APRON UNLESS OTHERWISE NOTED.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRE-CONSTRUCTION CONFERENCE.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" LATEST EDITION.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN **250'** OF ANY ACTIVE RUNWAY, WITHIN **66.5'** OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION", LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND ADDITIONAL AIRSPACE APPROVAL BY THE FAA. AIRSPACE APPROVALS REQUIRE CONSIDERABLE LEAD TIME AND SHOULD BE REQUESTED WELL IN ADVANCE.
- NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- CONTRACTOR SHALL TAKE MEASURES TO AVOID TRACKING BITUMINOUS TACK COAT ASSOCIATED WITH PAVING PROJECTS ONTO ADJACENT PAVEMENT AREAS, ESPECIALLY GROOVED RUNWAY PAVEMENTS, UNLESS SUFFICIENT PROTECTION HAS BEEN APPLIED. HEAVY TRACKING OR DAMAGE TO ADJACENT PAVEMENTS AND GROOVED SURFACES MAY BE CAUSE FOR STOPPING THE WORK UNTIL ACCEPTABLE PROTECTION OR CHANGE IN WORK METHODS HAS BEEN PROVIDED.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE

DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.

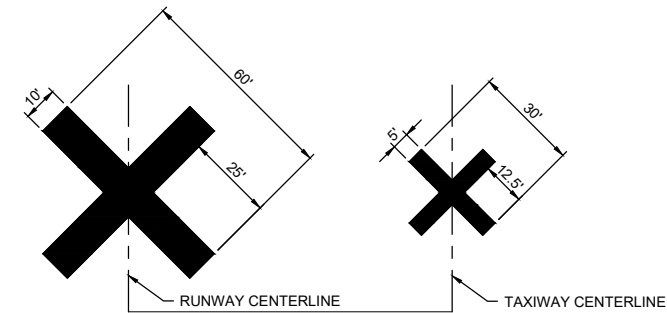
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING MEASURES TO CONTROL OR AVOID CREATING ATTRACTANTS TO WILDLIFE. MEASURES MAY INCLUDE CONTINUOUSLY REMOVING ANY WASTE OR LOOSE MATERIALS, PLACEMENT OF MATERIALS IN APPROPRIATE STORAGE CONTAINERS, PROPERLY MAINTAINING FENCES AND GATES TO PREVENT ACCESS, AND PREVENTING PONDING OF WATER THROUGHOUT THE SITE.
- UNLESS SPECIFIED OTHERWISE, COST FOR SAFETY, STAGING, AND TRAFFIC MAINTENANCE ITEMS IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.
- THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL PROVISIONS, SUBMITTED AND APPROVED PRIOR TO BEING ISSUED "NOTICE TO PROCEED".
- ALL RUNWAY/TAXIWAY CLOSURES SHALL BE COORDINATED WITH AIRPORT MANAGEMENT A MINIMUM OF 7 DAYS BEFORE THE DESIRED CLOSING TIME TO ALLOW FOR THE PROPER COORDINATION. AIRPORT MANAGEMENT HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY MAY BE CLOSED.
- RUNWAY/TAXIWAY CLOSURE PROCEDURES:
 - CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 7 DAYS BEFORE THE DESIRED CLOSING TIME.
 - ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA.
 - PLACEMENT OF CROSSES AND BARRICADES.
 - ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA.

RUNWAY/TAXIWAY RE-OPENING PROCEDURES:

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA.
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES.
- CONTACT AIRPORT MANAGEMENT OR REPRESENTATIVE FOR FINAL INSPECTION OF THE AREA.
- REMOVE BARRICADES AND CROSSES.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.

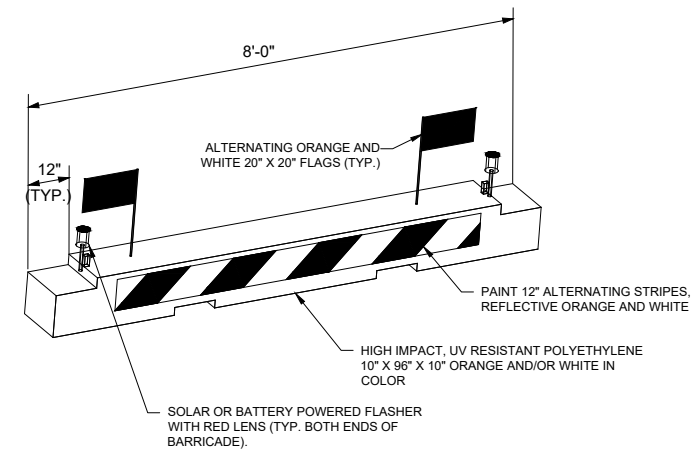
BARRICADE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- BARRICADES SHALL BE INTERLOCKED END TO END OVER THE LENGTH OF THE PAVEMENT WHERE PROTECTING OPEN RUNWAYS, AND SPACED END TO END A MAXIMUM OF 4 FEET IN OTHER ALL OTHER AREAS. BARRICADES ARE TO BE SET BACK FROM THE ACTIVE RUNWAY OR TAXIWAY CENTERLINE THE DISTANCE AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE **PAID UNDER ITEM AR150530 TRAFFIC MAINTENANCE.**



TEMPORARY CLOSURE CROSS DETAIL
NOT TO SCALE

- TEMPORARY "CLOSED RUNWAY" AND "CLOSED TAXIWAY" MARKINGS SHALL BE "AVIATION YELLOW"
- TEMPORARY "CLOSED RUNWAY" AND "CLOSED TAXIWAY" MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- TEMPORARY "CLOSED RUNWAY" MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING "CLOSED RUNWAY" AND "CLOSED TAXIWAY" MARKINGS SHALL BE **PAID UNDER AR150530 TRAFFIC MAINTENANCE.**



LOW PROFILE AIRCRAFT BARRICADE DETAIL



Offices Nationwide
www.hanson-inc.com

Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



Marshall County Airport
1315 Illinois 17
Lacon, Illinois 61540
phone: 309-246-2870

REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

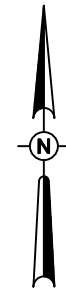
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-102-CSPD.DWG
DESIGN BY: LDH 02/22/2023
DRAWN BY: HLE 02/22/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

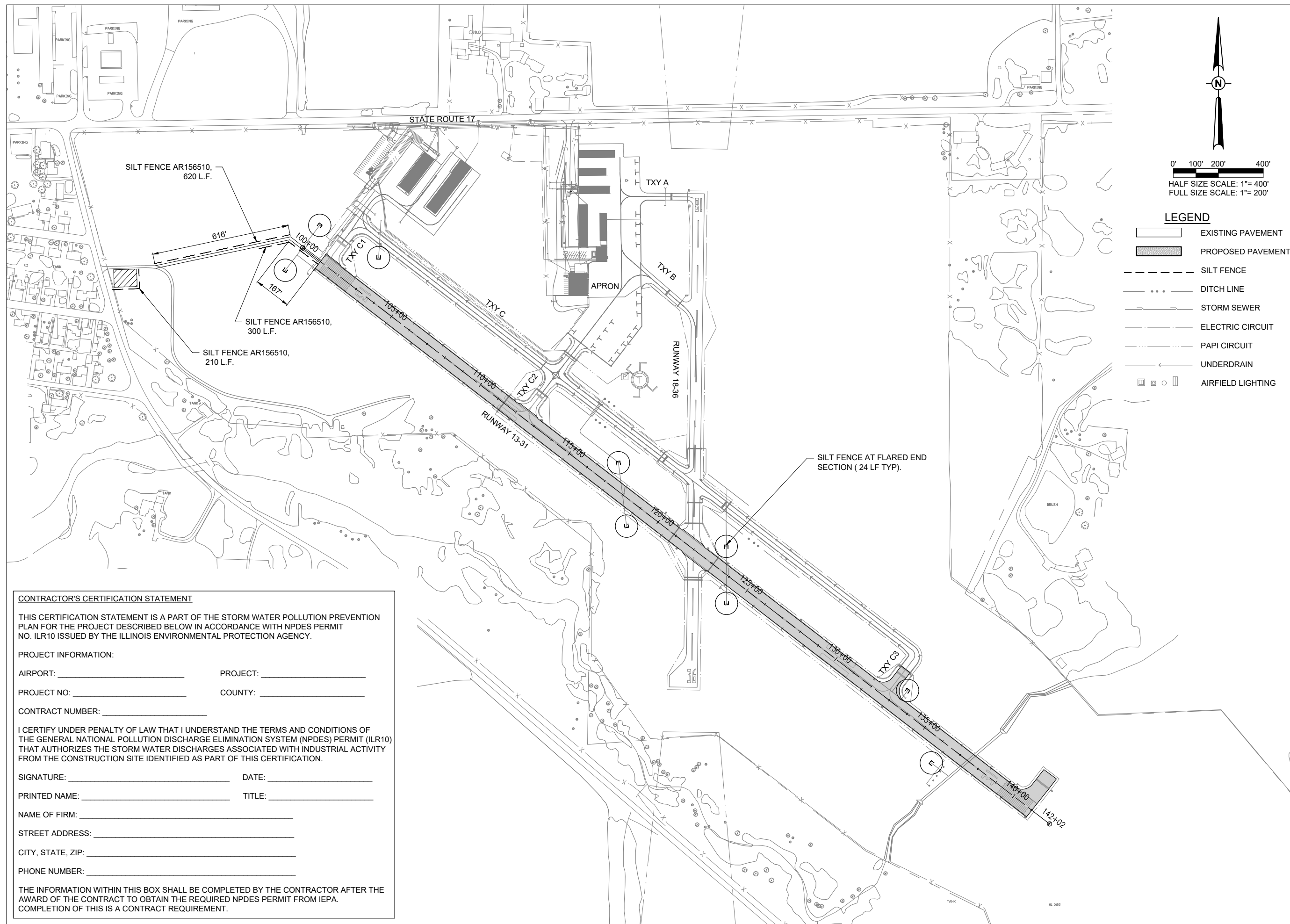
SITE AND SAFETY
PLAN DETAILS



0' 100' 200' 400'
HALF SIZE SCALE: 1"= 400'
FULL SIZE SCALE: 1"= 200'

LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- SILT FENCE
- DITCH LINE
- STORM SEWER
- ELECTRIC CIRCUIT
- PAPI CIRCUIT
- UNDERDRAIN
- AIRFIELD LIGHTING



CONTRACTOR'S CERTIFICATION STATEMENT

THIS CERTIFICATION STATEMENT IS A PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THE PROJECT DESCRIBED BELOW IN ACCORDANCE WITH NPDES PERMIT NO. ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

PROJECT INFORMATION:

AIRPORT: _____ PROJECT: _____

PROJECT NO: _____ COUNTY: _____

CONTRACT NUMBER: _____

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____ TITLE: _____

NAME OF FIRM: _____

STREET ADDRESS: _____

CITY, STATE, ZIP: _____

PHONE NUMBER: _____

THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AFTER THE AWARD OF THE CONTRACT TO OBTAIN THE REQUIRED NPDES PERMIT FROM IEPA. COMPLETION OF THIS IS A CONTRACT REQUIREMENT.

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023

PROJECT NO: 22A0097

CAD FILE: C-104-SWPP.DWG

DESIGN BY: LDH 02/22/2023

DRAWN BY: HLE 02/22/2023

REVIEWED BY: LDH 03/23/23

SHEET TITLE

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

SEDIMENTATION AND EROSION CONTROL NOTES:

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-01 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

STORM WATER POLLUTION PREVENTION NOTES

GENERAL

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.

THE MAINTENANCE OF ALL STORM WATER POLLUTION PREVENTION MEASURES IS INCIDENTAL TO THE ASSOCIATED ITEM.

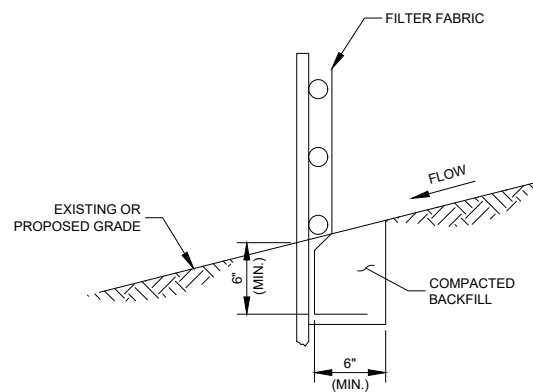
POLLUTION PREVENTION MEASURES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHEREVER 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.

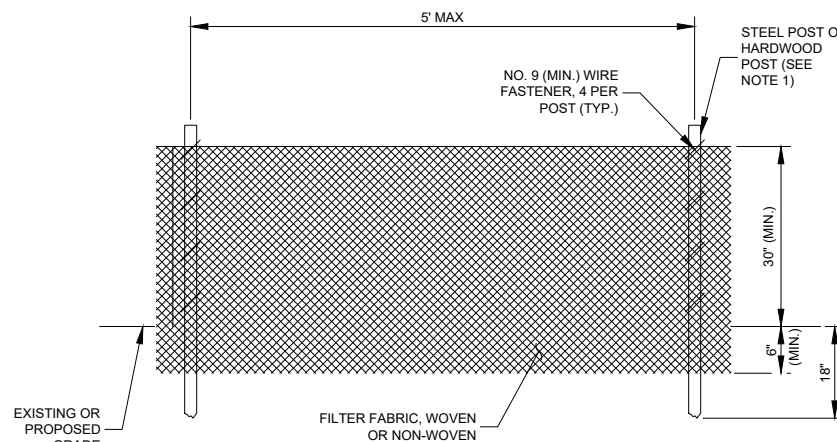
POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY 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.

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.

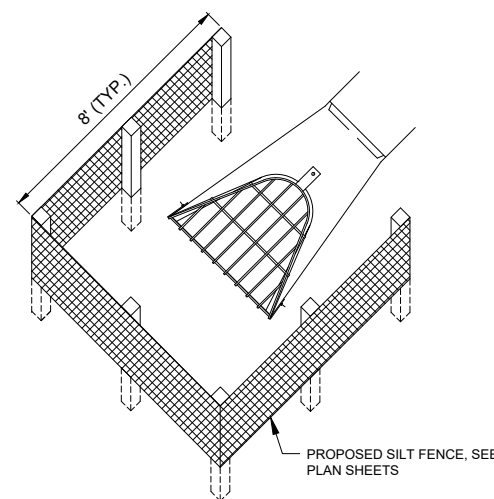
ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES ARE EXISTING ON SITE LOCATED AT DRAINAGE FACILITIES AND ALONG THE PROPERTY LINE.



FABRIC ANCHOR DETAIL



ELEVATION



SILT FENCE PLACEMENT AT FLARED END SECTIONS (FES)

NOTES:

1. FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 2.0 SQUARE INCHES. A CARPENTER'S (NOMINAL) 2"x2" POST WILL MEET SPECIFICATIONS.
2. FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
3. WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST.
4. FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN. THE FABRIC MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (ARTICLE IV, SECTION B.1.j.1.f.i, AS AMENDED), OR EQUIVALENT.
5. A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
7. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
8. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
9. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
10. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
11. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
12. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

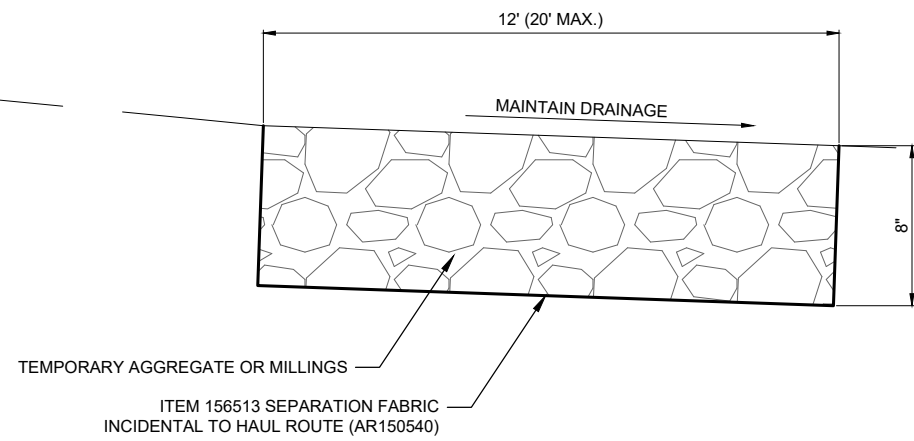
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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REVIEWED BY: LDH 03/23/23

SHEET TITLE

SWPPP NOTES AND
DETAILS

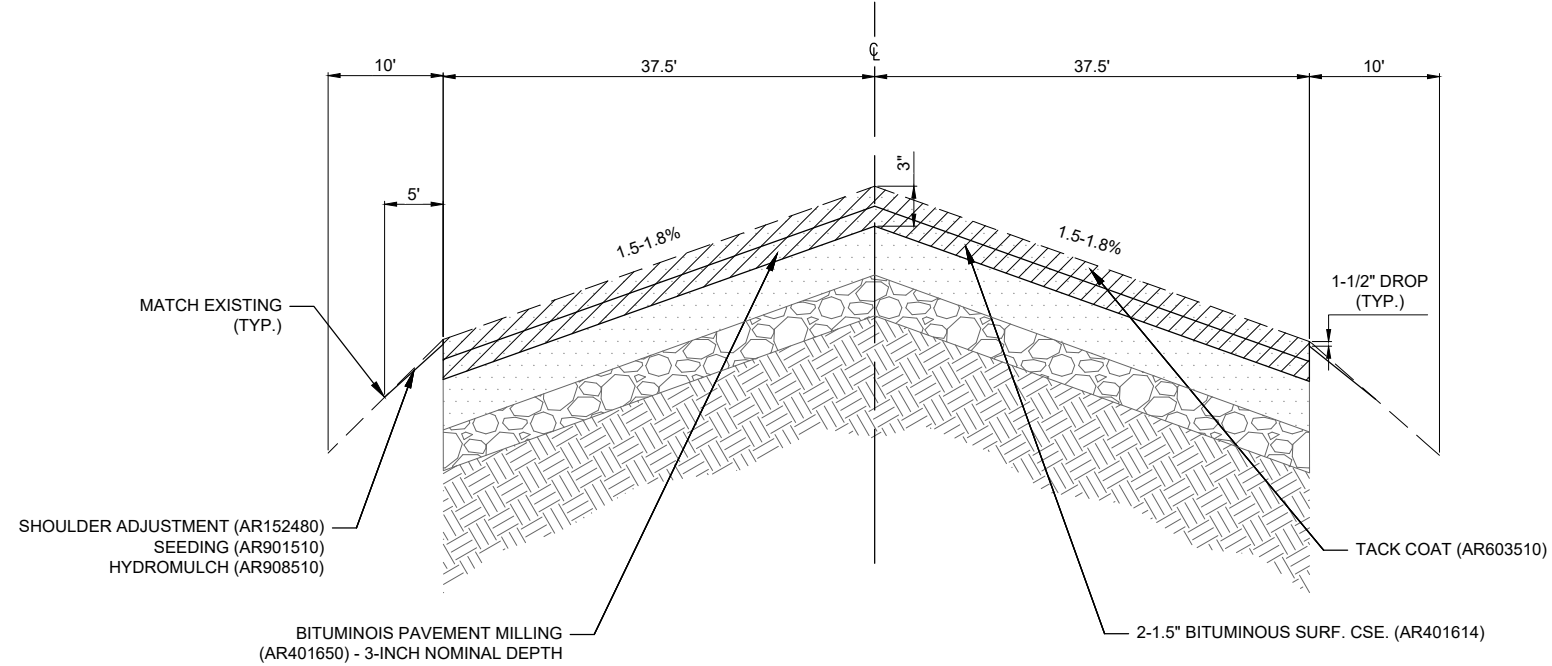


HAUL ROUTE - TYPICAL SECTION (AR150540)

NOT TO SCALE

NOTES:

- FOR 300 FEET SOUTH OF THE FENCE LINE, THE HAUL ROUTE IS TO REMAIN AT THE END OF THE PROJECT. INCIDENTAL RESTORATION WILL BE REQUIRED FOR THE LENGTH TO BE REMOVED AND MAY INCLUDE TILLAGE OF ANY EXISTING FARM GROUND DUE TO COMPACTION, SEEDING AND MULCHING OF STOCK PILES, AND ADDITIONAL AGGREGATE TO CORRECT ANY DEFICIENCIES DUE TO HAULING OPERATIONS.
- RESIDENT ENGINEER/TECHNICIAN WILL CONFIRM HAUL ROUTE LIMITS/LOCATION PRIOR TO INSTALLATION. CONTRACTOR MAY INCREASE WIDTH/DEPTH OF HAUL ROUTE AT THEIR EXPENSE IF NECESSARY. MAX SIZE OF STAGING AREA IS 150' X 150'.
- ALL WORK AND MATERIALS INVOLVING HAUL ROUTE SHALL BE PAID FOR UNDER ITEM AR150540 "HAUL ROUTE" - PER LUMP SUM.
- PIPES REQUIRED TO MAINTAIN EXISTING DRAINAGE PATHS SHALL BE INCIDENTAL TO ITEM AR150540. PIPES SHALL BE CMP OR HDPE.



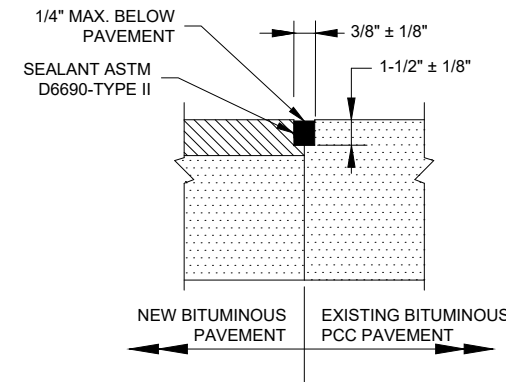
**RUNWAY 13/31 TYPICAL SECTION
STA. 101+00-108+50 AND 127+50-141+02**

NOT TO SCALE

NOTE:

- THE EXISTING TYPICAL SECTION CONSISTS OF 1.2" POROUS FRICTION COURSE (PFC), 1.5" BITUMINOUS SURFACE COURSE, 6.5" BITUMINOUS BASE COURSE, 4" AGGREGATE BASE, AND 12" OF LIME TREATED SUBGRADE.
- STA. 132+95 - 141+02 HAS SAME STRUCTURE MINUS 1.2" OF POROUS FRICTION COURSE.

NOTE: FOR STATIONS 108+50-127+50, SEE CROSS SECTION SHEETS.










NOTE:

ALL BITUMINOUS/BITUMINOUS JOINT SEALING TO BE PAID UNDER SAW AND SEAL BITUMINOUS JOINTS, ITEM AR401660.

BITUMINOUS/BITUMINOUS SEAL

LEGEND

-  EXISTING BIT. PAVEMENT
-  BIT. SURF. CSE.-METHOD I, SUPERPAVE
-  PROPOSED BIT. PAVEMENT MILLING (NOMINAL)
-  PROPOSED BIT. PAVEMENT MILLING (VARIABLE)
-  SHOULDER ADJUSTMENT (FILL)
-  CRUSHED AGGREGATE
-  LIME TREATED SUBGRADE

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

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NO.	DATE	DESCRIPTION		
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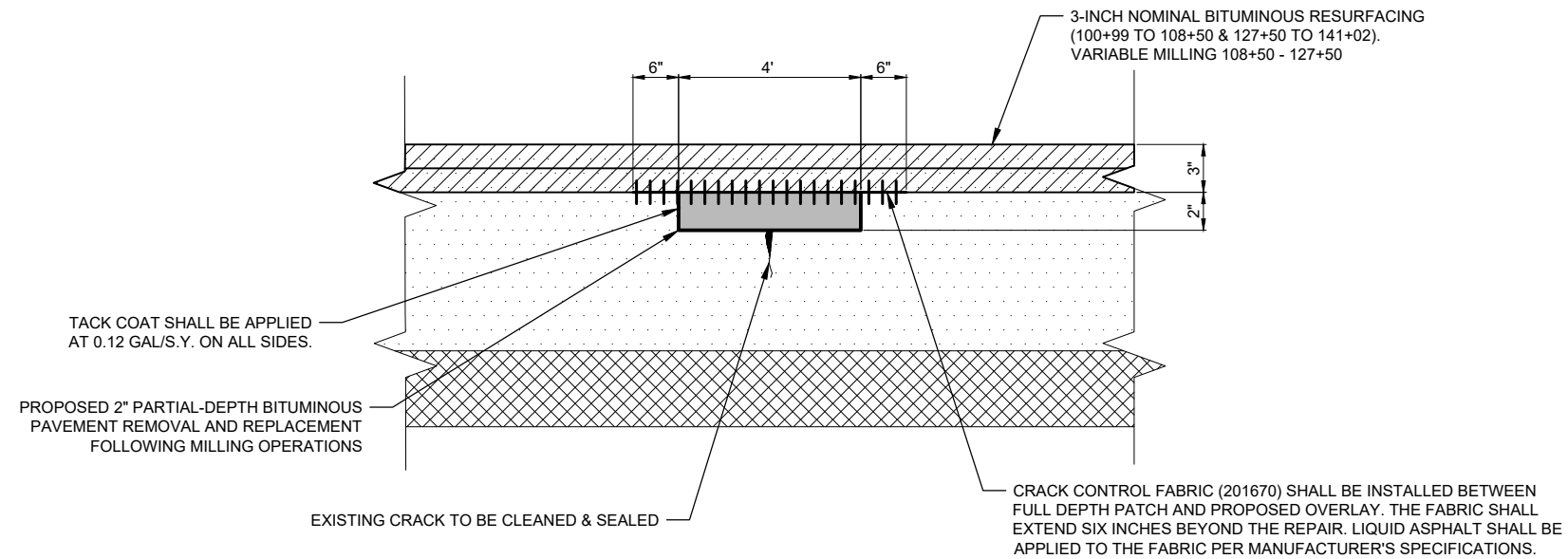
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REVIEWED BY: LDH 03/23/23

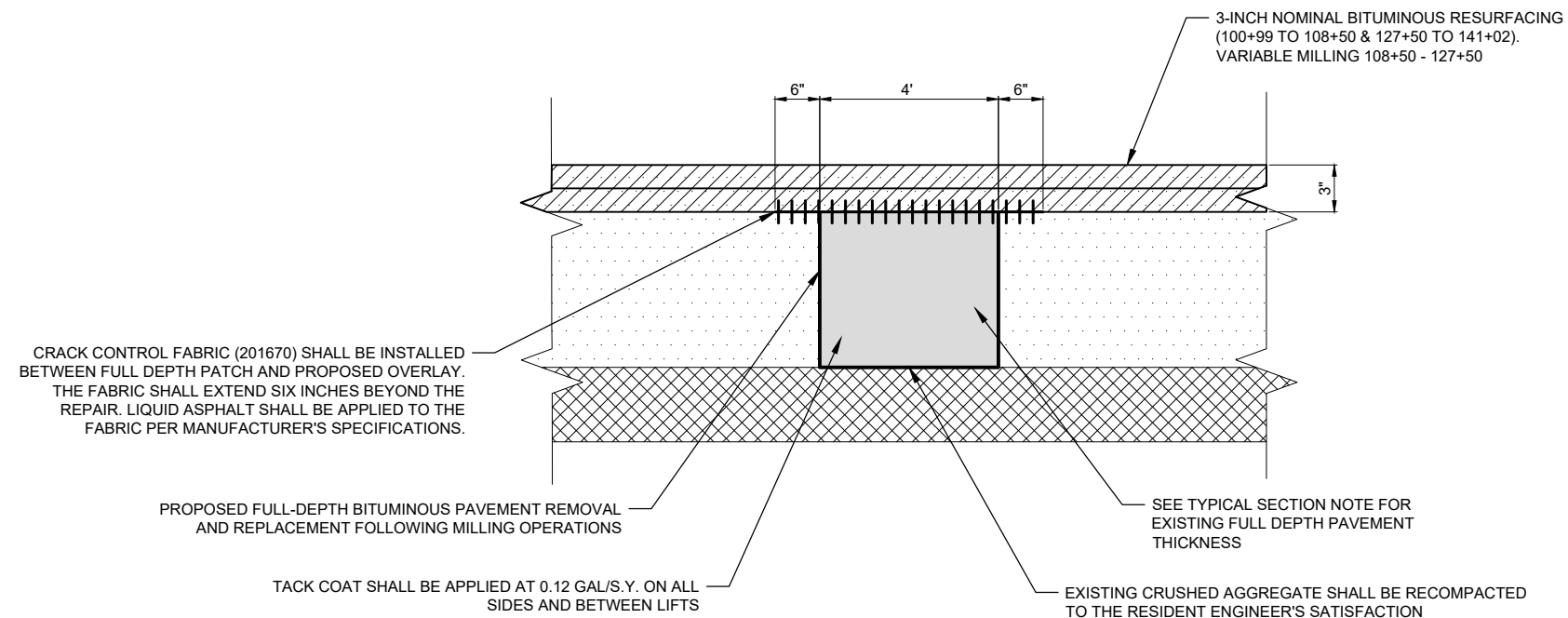
SHEET TITLE

TYPICAL SECTIONS



AR401915 REMOVE & REPLACE BITUMINOUS PAVEMENT - TYPE A (PARTIAL DEPTH)




NOT TO SCALE



AR401916 REMOVE & REPLACE BITUMINOUS PAVEMENT - TYPE B (FULL DEPTH)

NOT TO SCALE

LEGEND

	EXISTING BIT. PAVEMENT
	PROPOSED BIT. PAVEMENT
	PROPOSED BIT. PAVEMENT MILLING (VARIABLE)
	CRUSHED AGGREGATE

REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

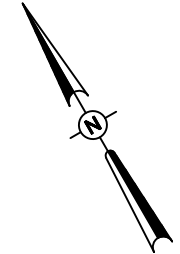
Contract No. MA034

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SHEET TITLE

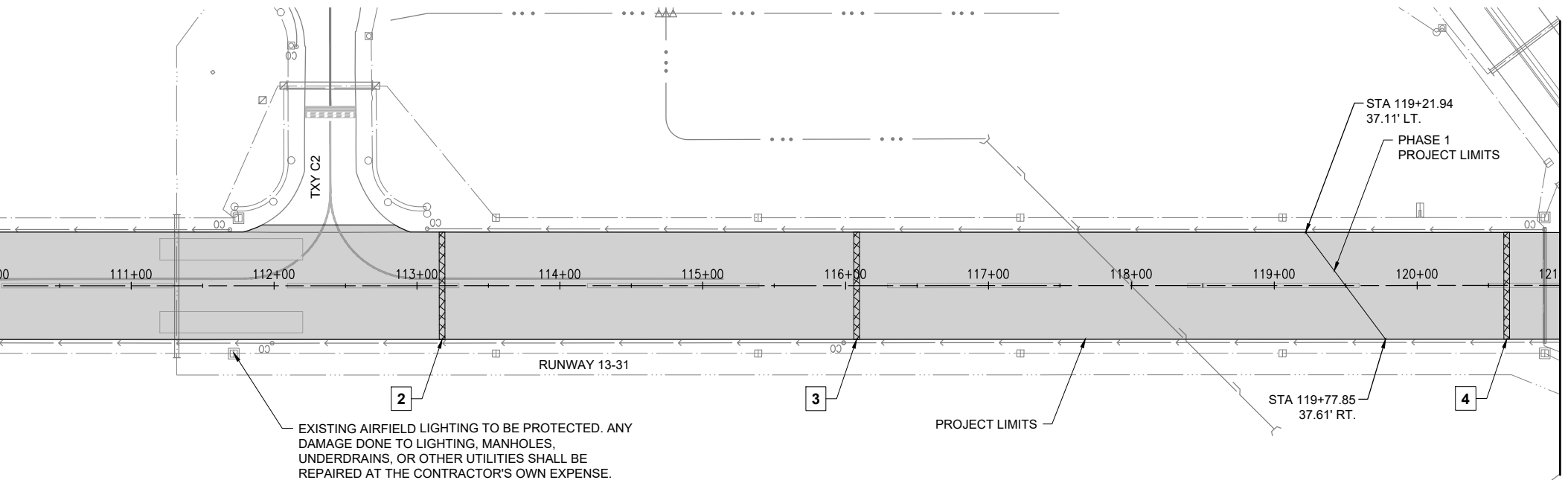
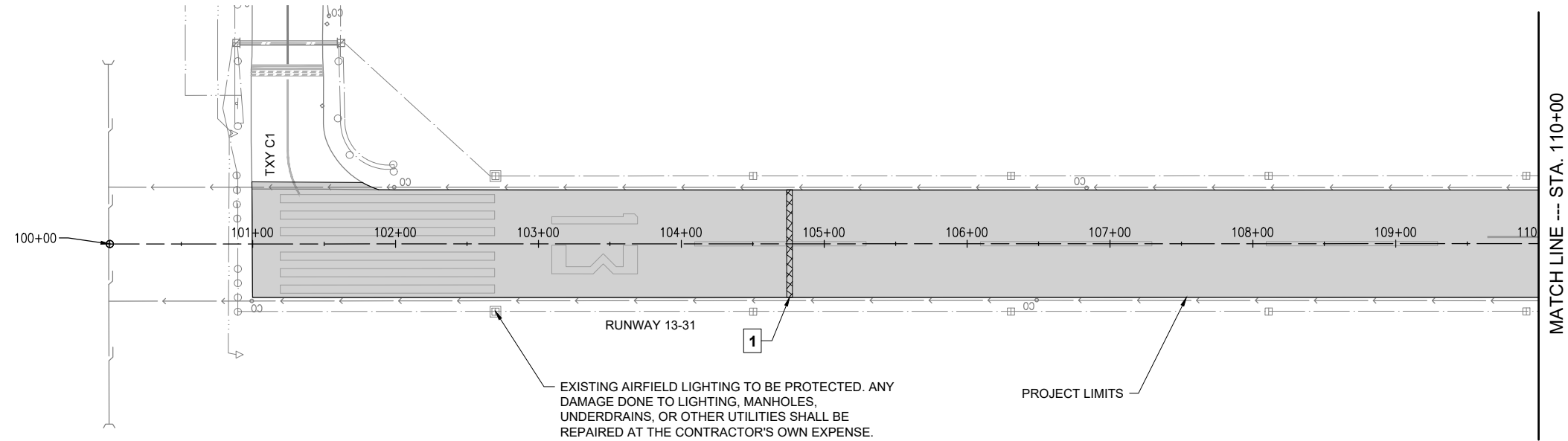
PAVEMENT
PATCHING DETAILS



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

LEGEND

-  EXISTING PAVEMENT
-  PROPOSED PAVEMENT
-  TYPE A (AR401915)
-  TYPE B (AR401916)
-  DITCH LINE
-  STORM SEWER
-  ELECTRIC CIRCUIT
-  PAPI CIRCUIT
-  UNDERDRAIN
-  AIRFIELD LIGHTING



GENERAL NOTES

ELECTRICAL NOTES

- THE CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, WORKING ON, RELOCATING, RECONNECTING, AND/OR INSTALLING THE RESPECTIVE AIRFIELD LIGHTING, TAXI SIGN, NAVAID, OR OTHER DEVICES. CONTRACTOR SHALL REPORT ANY VARIATIONS, DEFICIENCIES, AND/OR APPARENT SAFETY CONCERNS TO THE RESIDENT ENGINEER/TECHNICIAN.
- WHEN A RUNWAY IS CLOSED THE RESPECTIVE LIGHTING AND NAVAIDS SHALL BE SHUT OFF. WHEN A TAXIWAY IS CLOSED THE RESPECTIVE LIGHTING SYSTEM SHALL BE SHUT OFF.
- ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER/DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN.

CLEAN & SEAL BITUMINOUS CRACKS

- A NOMINAL QUANTITY OF AR201661 "CLEAN AND SEAL BITUMINOUS CRACKS" HAS BEEN INCLUDED AND WILL BE LAID OUT BY THE RESIDENT ENGINEER FOLLOWING PAVEMENT MILLING. THE NOMINAL QUANTITY WAS DETERMINED BY A FIELD SURVEY (CONDUCTED ON 02/28/23) AND ASSUMES THAT 50% OF SURVEYED CRACKS WILL BE ELIMINATED AFTER THE COMPLETION OF MILLING.

BITUMINOUS PAVEMENT MILLING

- CONTRACTOR SHALL PROTECT ALL ADJACENT PAVEMENT EDGES DURING MILLING AND PAVING OPERATIONS. ANY DAMAGE DONE TO EXISTING PAVEMENT OR MARKINGS SHALL BE REPAIRED OR REMARKED AT THE CONTRACTOR'S EXPENSE.
- ALL MILLED MATERIAL SHALL BE HAULED OFFSITE. AS AN ALTERNATIVE, MILLINGS MAY BE PLACED AT AN ONSITE LOCATION AS DENOTED ON THE SCOPE OF WORK PLAN OR MAY BE USED TO MAKE REPAIRS TO THE HAUL ROUTE AS NEEDED.

REMOVE & REPLACE BITUMINOUS PAVEMENT

- SEE DETAILS SHEET FOR PATCHING. PATCHING LOCATIONS ARE APPROXIMATE AND WILL BE CONFIRMED AND LAID OUT BY THE RESIDENT ENGINEER/TECHNICIAN FOLLOWING PAVEMENT MILLING.
- ALL PATCHES INDICATED AS PARTIAL (TYPE A) OR FULL DEPTH (TYPE B) WERE DETERMINED DURING A FIELD SURVEY AND PRIOR TO MILLING. FOLLOWING MILLING, AND UPON INSPECTION BY RESIDENT ENGINEER/TECHNICIAN, PARTIAL PATCHES MAY BE CONVERTED TO TYPE B (FULL-DEPTH) PATCH TO BE MEASURED AND PAID FOR UNDER PAY ITEM AR401916 OR REMOVED.

REMOVE & REPLACE BITUMINOUS PAVEMENT SCHEDULE (AR401915/AR401916)

CRACK NO.	RWY 13/31 CL STA. (APPROX.)	PATCHING LENGTH (FT)	PATCHING WIDTH (FT)	TYPE A TOTAL (AR401915) (SY)	TYPE B TOTAL (AR401916) (SY)
1	104+76	76	4	33.8	-
2	113+18	76	4	33.8	-
3	116+08	76	4	33.8	-
4	120+63	76	4	33.8	-
5	122+42	117	4	-	52.0
6	123+69	27	4	12.0	-
7	125+00	76	4	33.8	-
8	126+30	76	4	33.8	-
9	129+03	76	4	-	33.8
10	130+21	77	6	51.3	-
11	131+72	77	4	-	34.2
12	132+74 (149' LT)	50	4	22.2	-
13	132+96	113	4	50.2	-
14	133+30	32	4	14.2	-
15	133+70	79	4	35.1	-
16	134+59	76	4	33.8	-
17	135+99	19	4	8.4	-
18	136+46	76	4	-	33.8
19	137+38	76	4	-	33.8
20	138+70	76	4	-	33.8
21	139+68	78	4	-	34.7
22	140+47 (72' LT)	33	4	14.7	-
23	140+69 (91' LT)	73	4	32.4	-

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

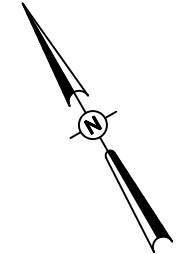
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-105-PREP.DWG
DESIGN BY: LDH 03/08/2023
DRAWN BY: HLE 03/08/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

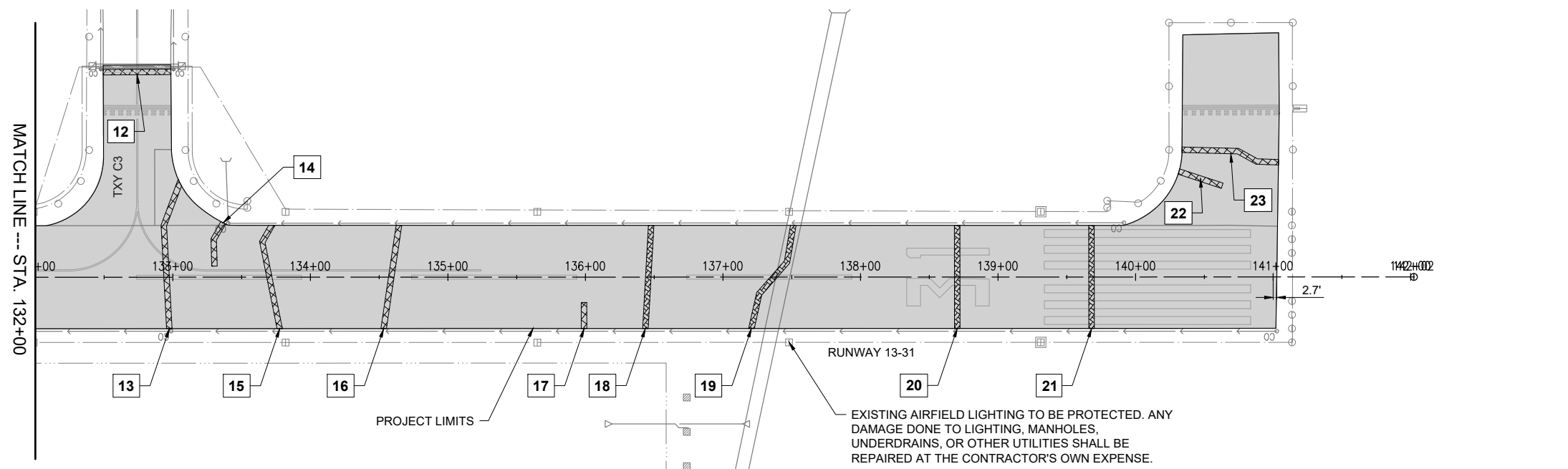
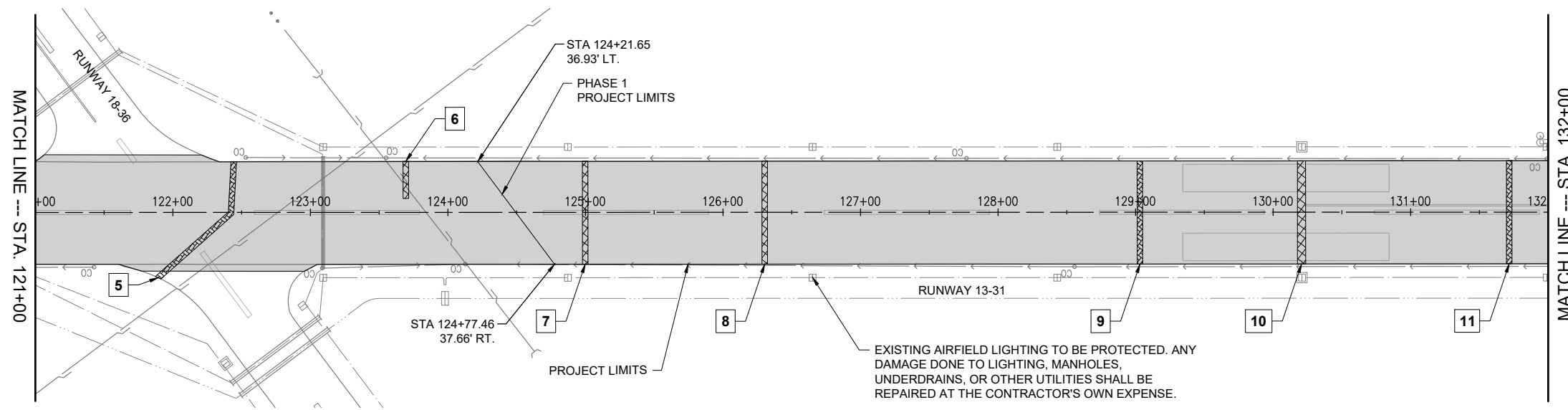
PAVEMENT PREPARATION PLAN - SHEET 1



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- TYPE A (AR401915)
- TYPE B (AR401916)
- DITCH LINE
- STORM SEWER
- ELECTRIC CIRCUIT
- PAPI CIRCUIT
- UNDERDRAIN
- AIRFIELD LIGHTING



REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

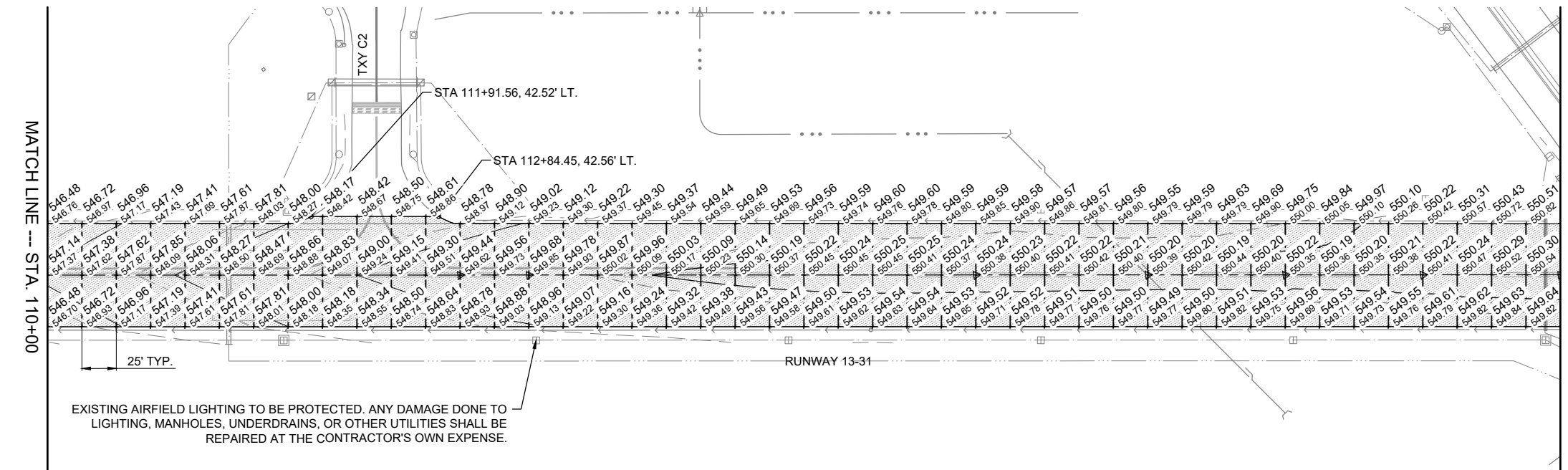
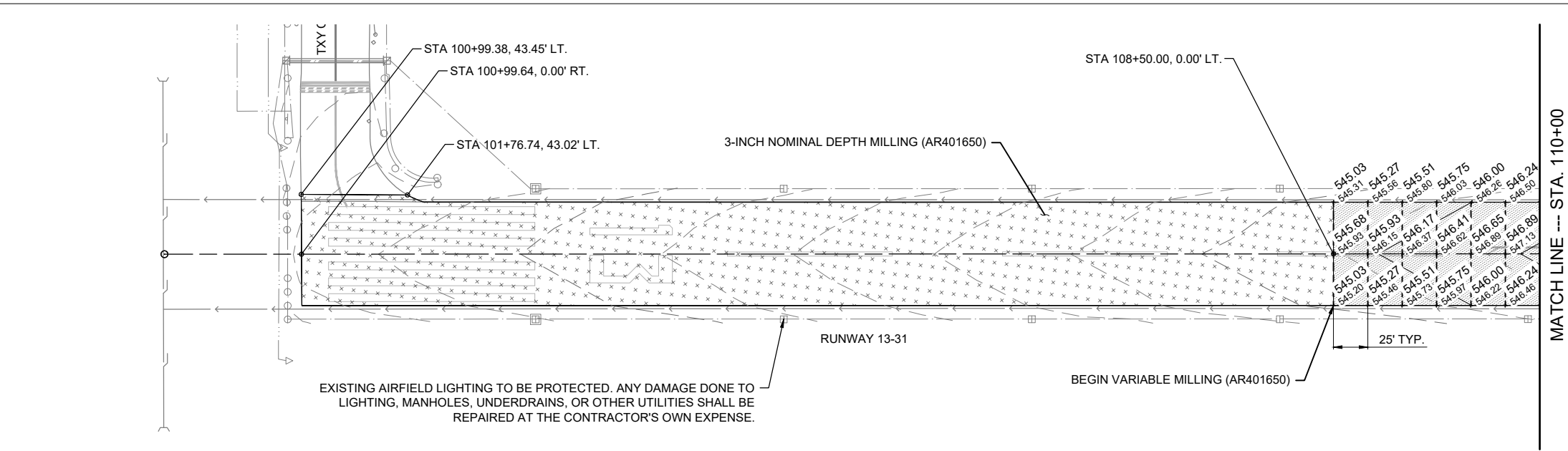
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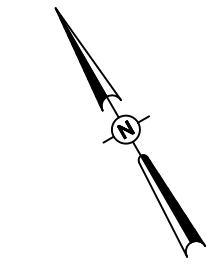
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PAVEMENT PREPARATION PLAN - SHEET 2



LEGEND

- EXISTING PAVEMENT
- PROPOSED 3-INCH NOMINAL DEPTH MILLING
- PROPOSED VARIABLE DEPTH MILLING
- PROPOSED MILLING ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH LINE
- STORM SEWER
- ELECTRIC CIRCUIT
- PAPI CIRCUIT
- UNDERDRAIN
- AIRFIELD LIGHTING



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

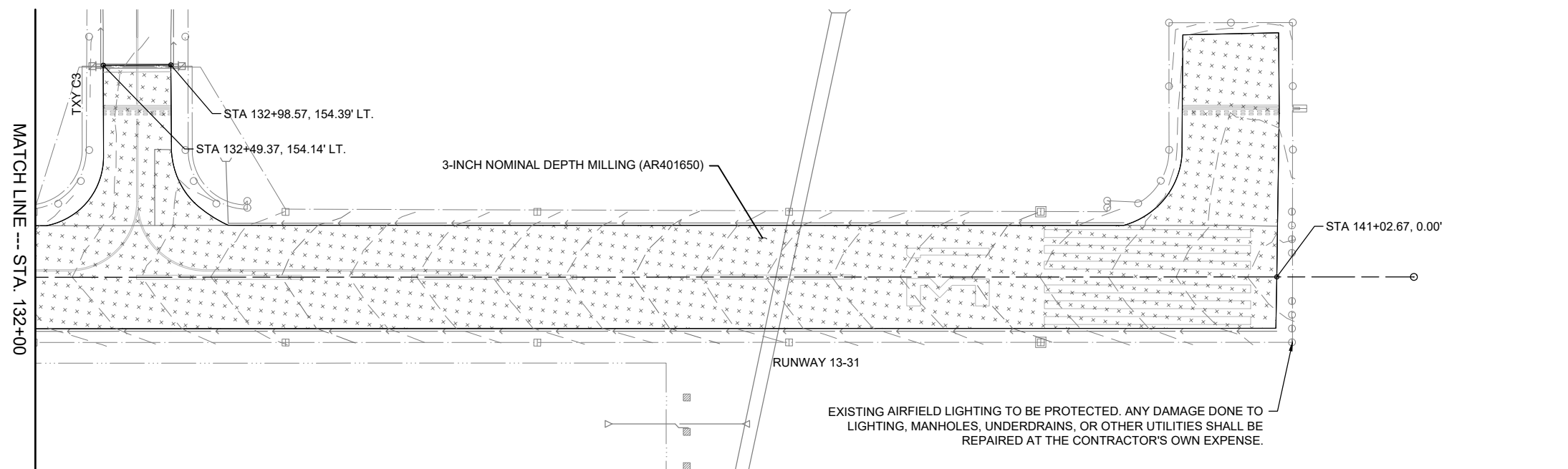
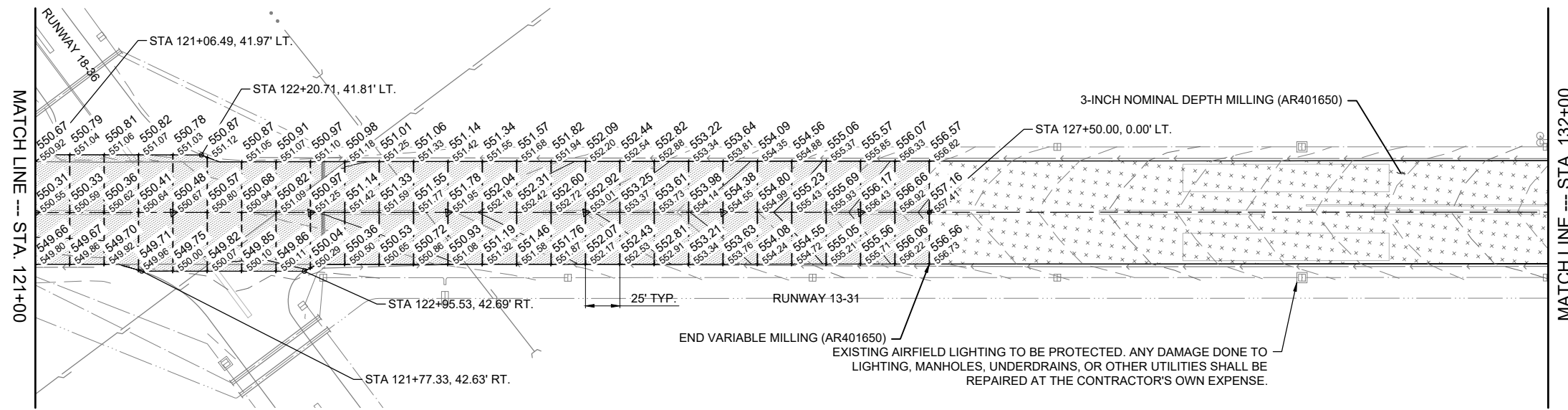
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NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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CAD FILE: C-201-MILL.DWG
DESIGN BY: MJD 03/18/2023
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REVIEWED BY: LDH 03/23/23

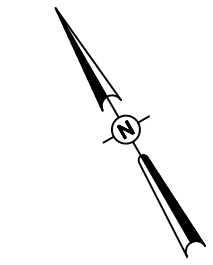
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PROPOSED VARIABLE MILLING PLAN - SHEET 1



LEGEND

- EXISTING PAVEMENT
- PROPOSED 3-INCH NOMINAL DEPTH MILLING
- PROPOSED VARIABLE DEPTH MILLING
- PROPOSED MILLING ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DITCH LINE
- STORM SEWER
- ELECTRIC CIRCUIT
- PAPI CIRCUIT
- UNDERDRAIN
- AIRFIELD LIGHTING



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

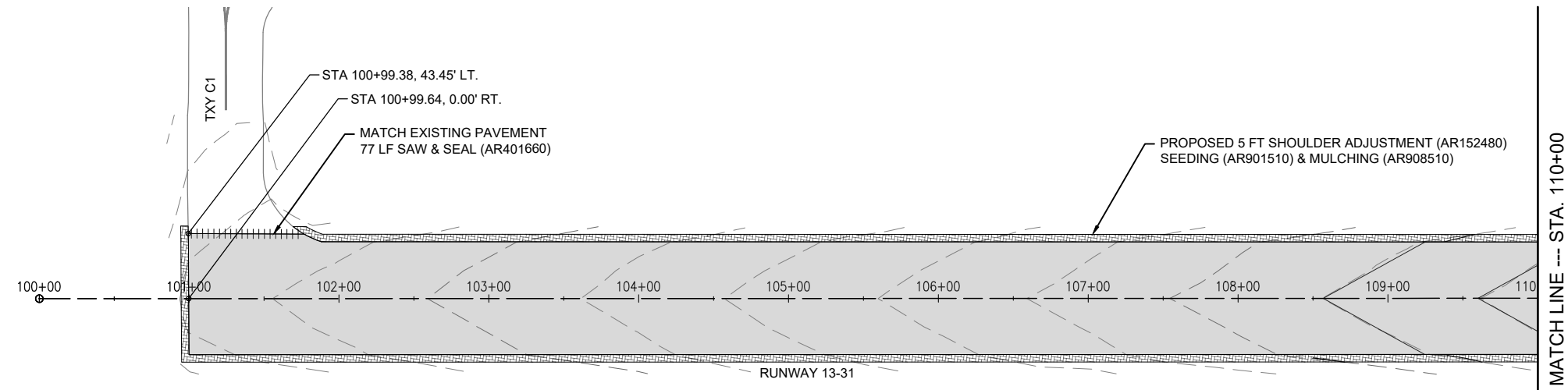
Contract No. MA034

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REVIEWED BY: LDH 03/23/23

SHEET TITLE

PROPOSED
VARIABLE MILLING
PLAN - SHEET 2



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED PAVEMENT
 - PROPOSED SHOULDER WORK
 - PROPOSED SAW & SEAL
 - EXISTING CONTOUR
 - PROPOSED CONTOUR



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Marshall County Airport
1315 Illinois 17
Lacon, Illinois 61540
phone: 309-246-2870

REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

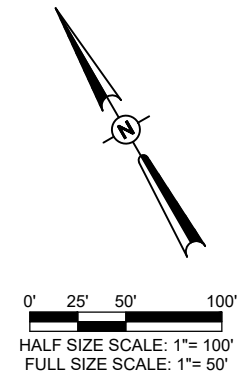
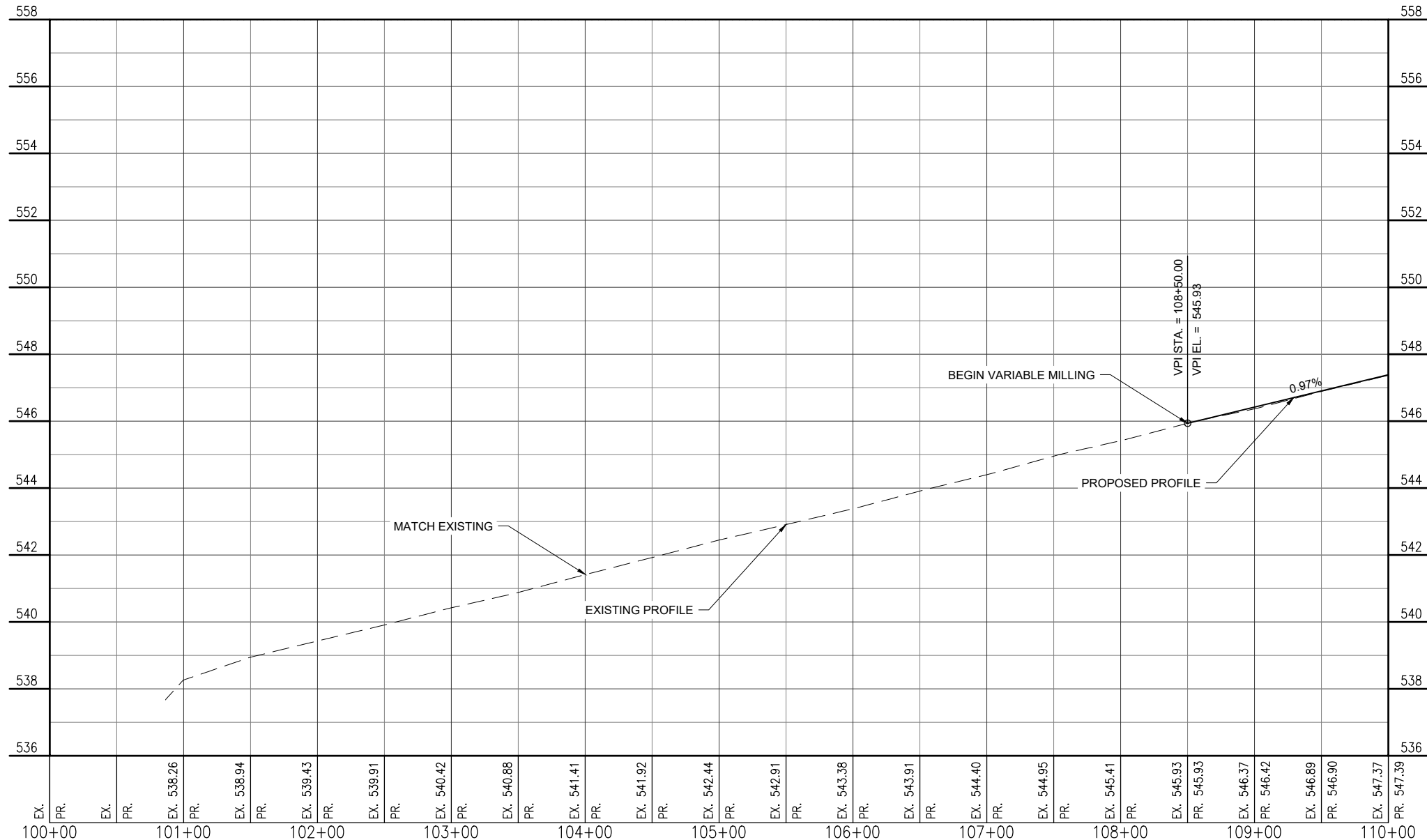
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-701-PNP.DWG
DESIGN BY: MJD 03/14/2023
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REVIEWED BY: LDH 03/23/23

SHEET TITLE

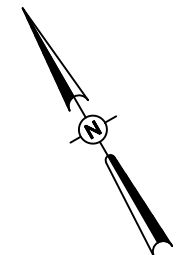
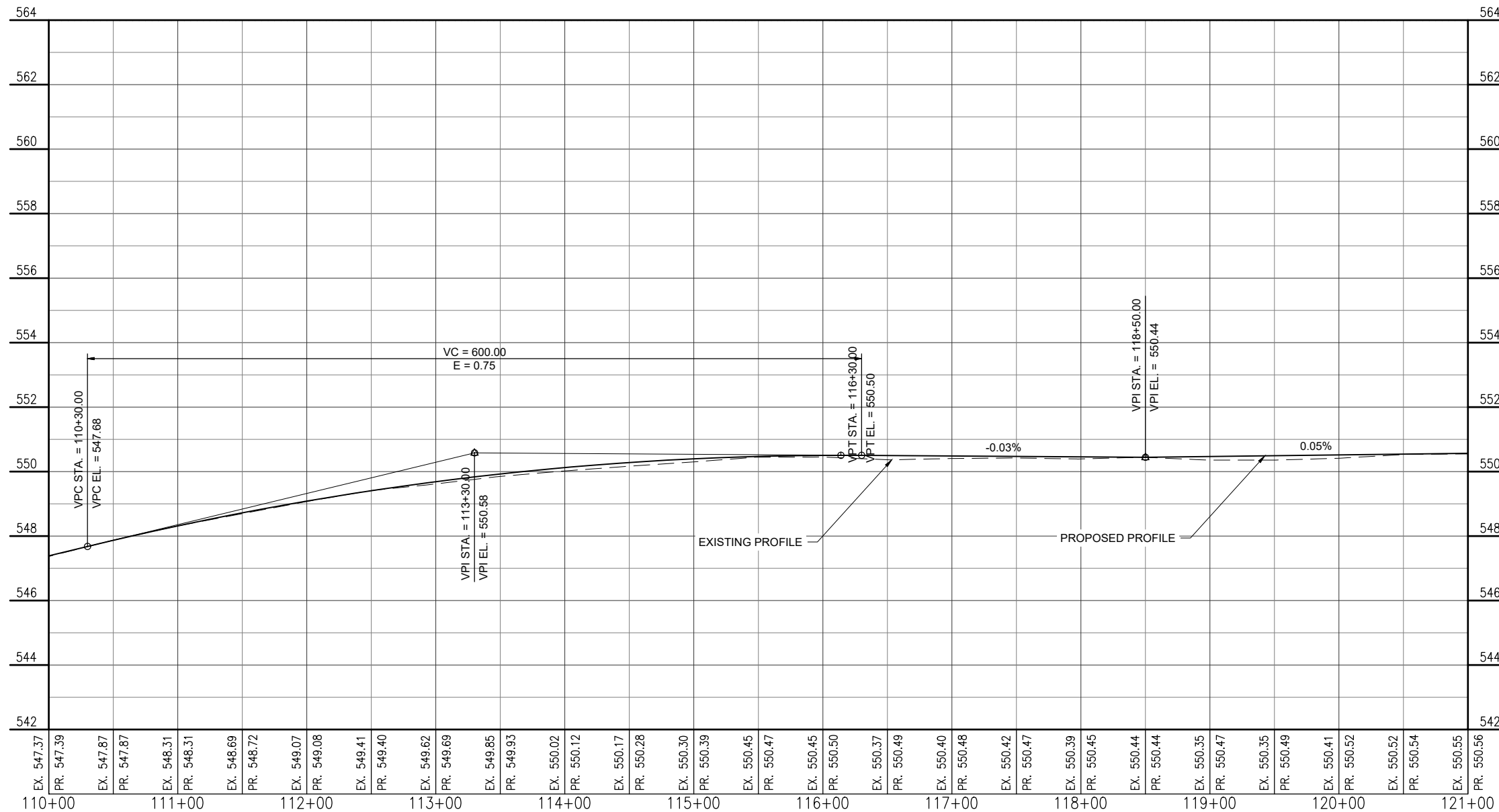
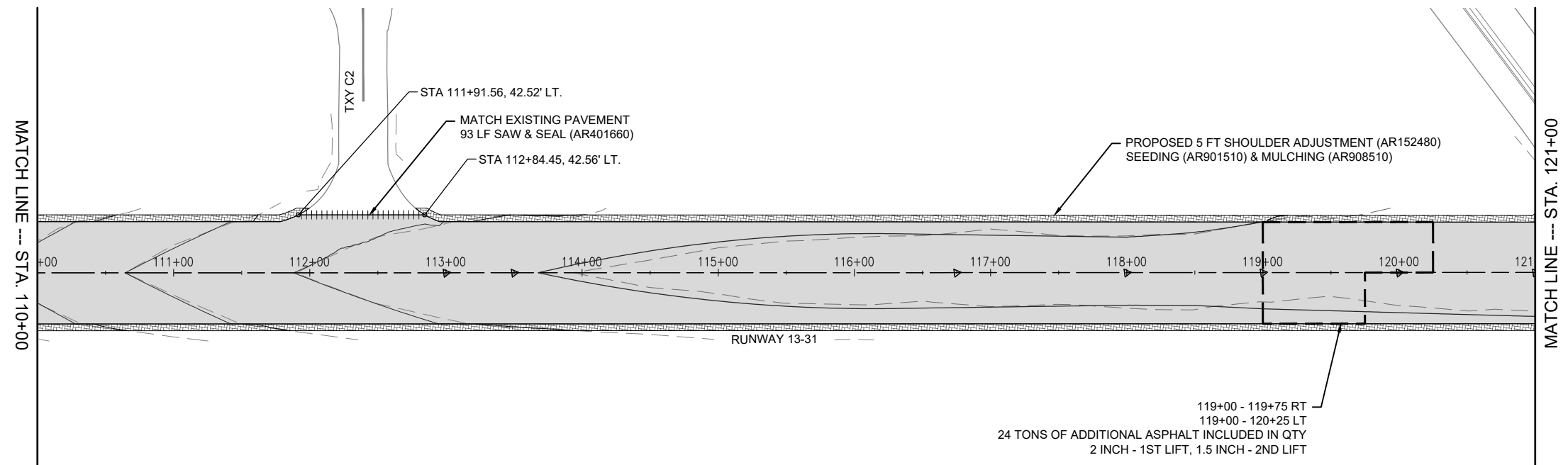
PLAN AND PROFILE -
SHEET 1



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LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED SHOULDER WORK
- PROPOSED SAW & SEAL
- EXISTING CONTOUR
- PROPOSED CONTOUR



0' 25' 50' 100'
HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION
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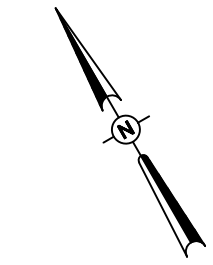
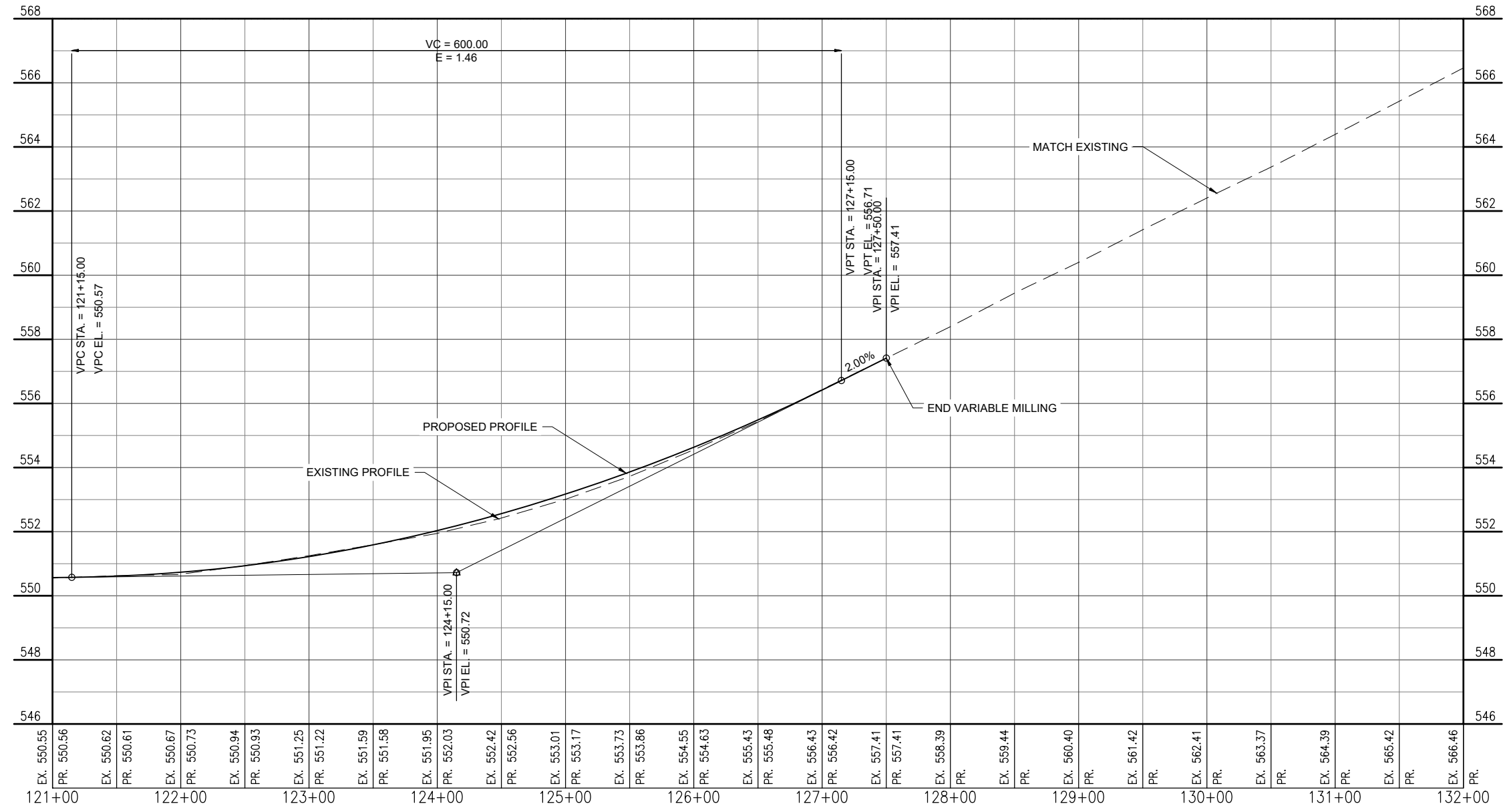
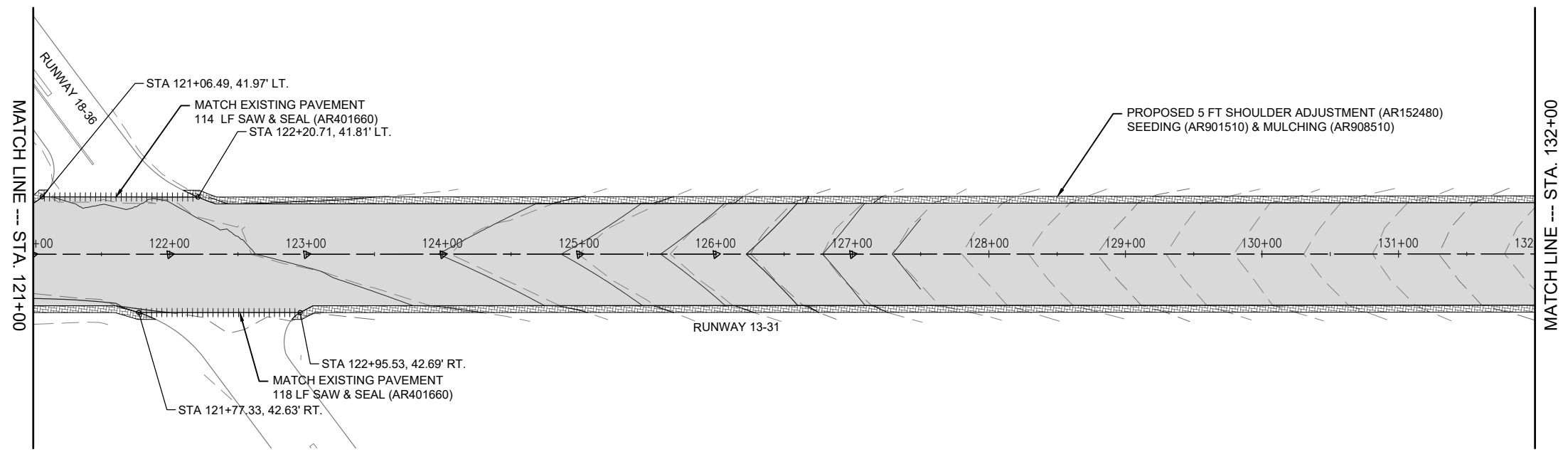
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PLAN AND PROFILE - SHEET 2



LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED SHOULDER WORK
- PROPOSED SAW & SEAL
- EXISTING CONTOUR
- PROPOSED CONTOUR



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

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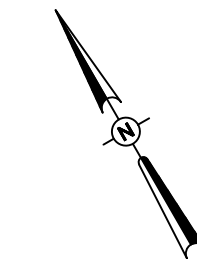
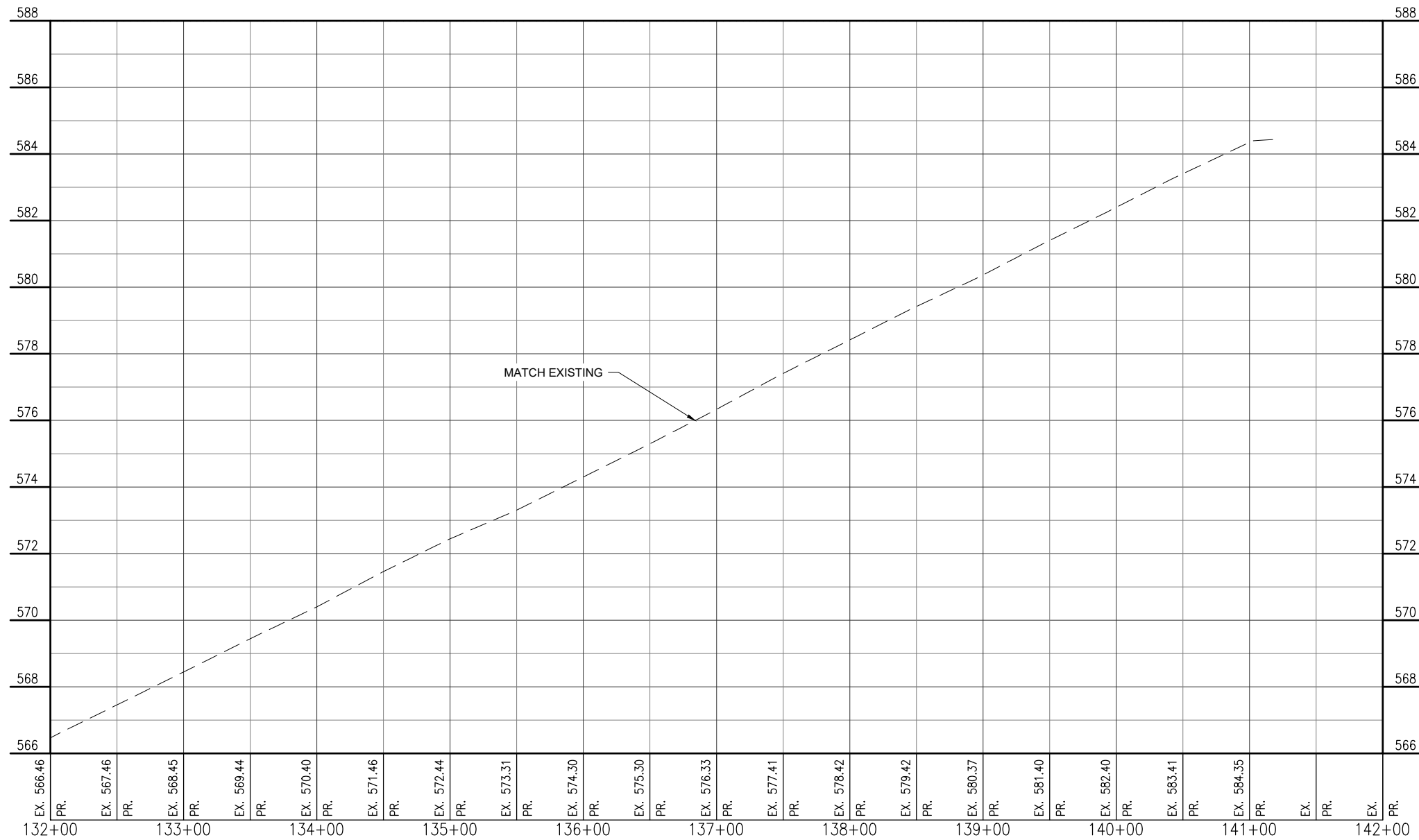
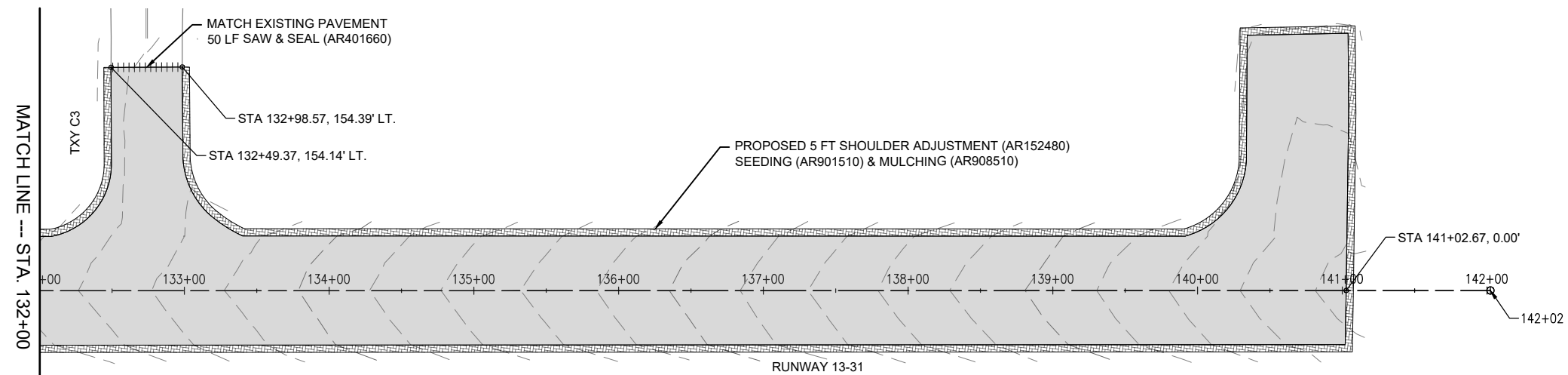
ISSUE: APRIL 21, 2023
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CAD FILE: C-701-PNP.DWG
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SHEET TITLE

PLAN AND PROFILE - SHEET 3

LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED SHOULDER WORK
- PROPOSED SAW & SEAL
- EXISTING CONTOUR
- PROPOSED CONTOUR



0' 25' 50' 100'
HALF SIZE SCALE: 1"= 100'
FULL SIZE SCALE: 1"= 50'

REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

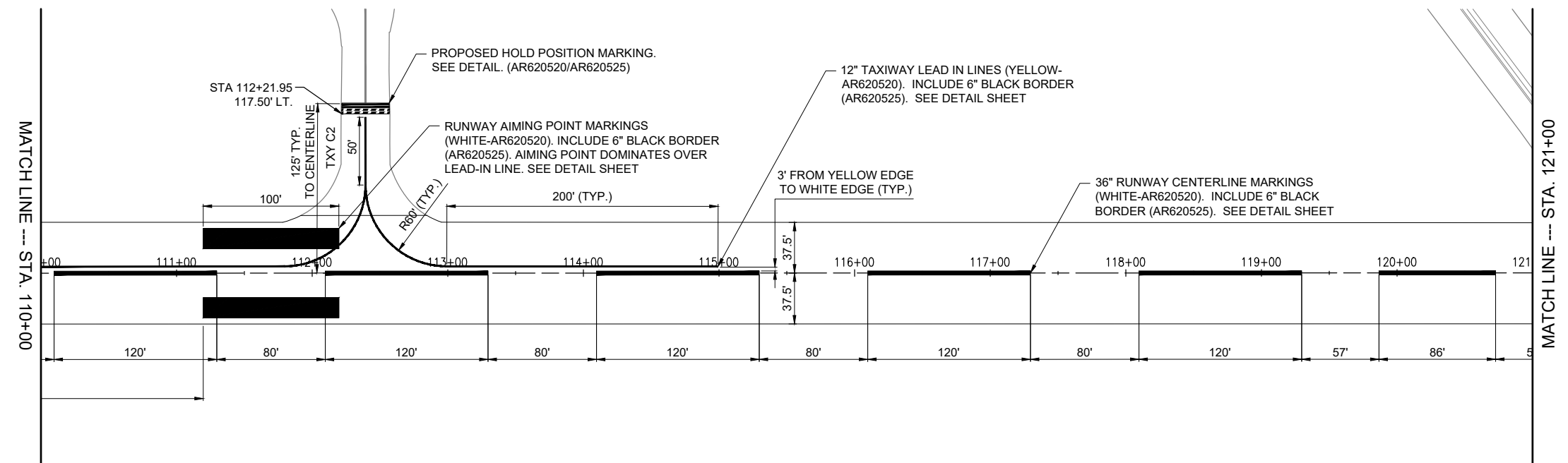
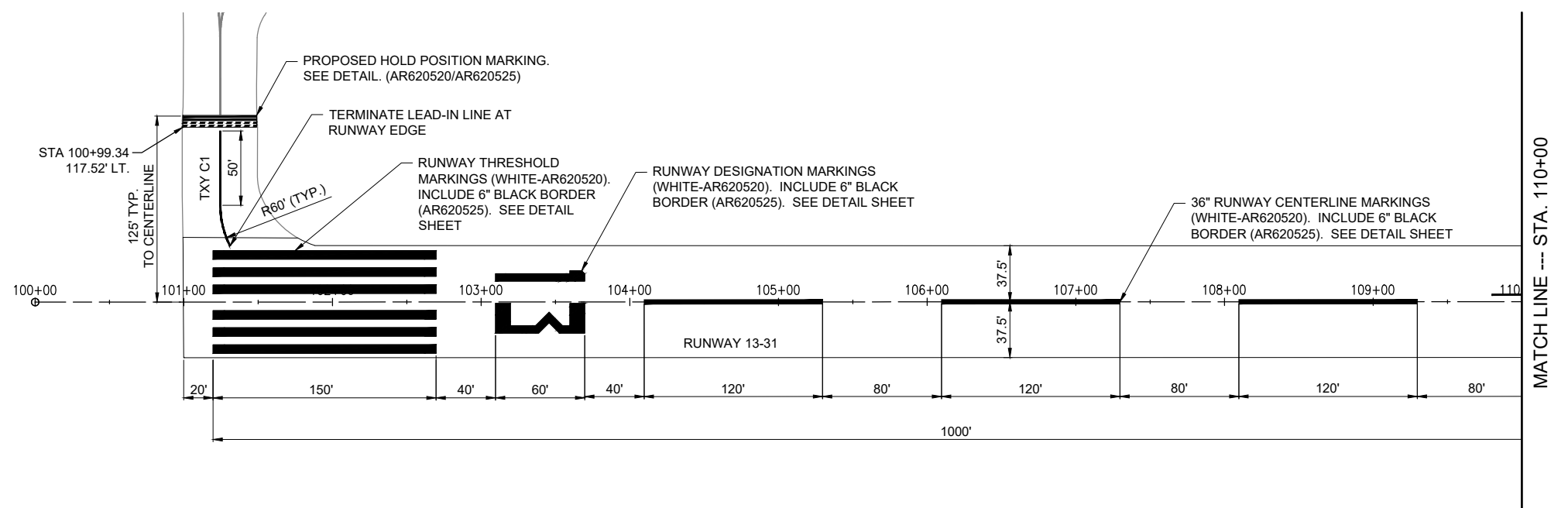
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SHEET TITLE

PLAN AND PROFILE - SHEET 4

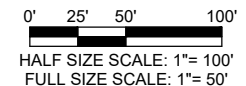
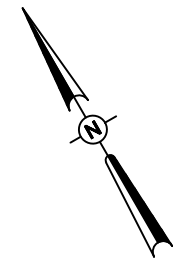


GENERAL NOTES

- PAVEMENT MARKINGS WILL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED IN THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED SEPTEMBER 25, 2020 AND REVISED NOVEMBER 12, 2021.
- PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.
- WATERBORNE BLACK PAINT SHALL BE USED TO OUTLINE A MINIMUM 6-INCH BORDER AROUND ALL MARKINGS.
- GLASS BEADS SHALL BE APPLIED ON THE SECOND COAT OF MARKING. GLASS BEADS SHALL NOT BE APPLIED TO BLACK PAINT.
- CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT EDGES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR RE-MARKING ANY MARKINGS DAMAGED BY CONSTRUCTION ACTIVITIES THAT ARE OUTSIDE OF THE PROPOSED WORK LIMITS.

MARKING SCHEDULE			
AR620520 - PAVEMENT MARKING - WATERBORNE (WHITE)			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
THRESHOLD STRIPE	862.5	12	10350
RUNWAY DESIGNATION NUMERAL 13	952	1	952
RUNWAY DESIGNATION NUMERAL 31	952	1	952
AIMING POINT	1500	4	6000
RUNWAY 13-31 CENTERLINE STRIPES - 120 FT	360	16	5760
RUNWAY 13-31 CENTERLINE STRIPES - 86 FT	258	2	516
RUNWAY 18-36 CENTERLINE STRIPES - 20 FT	60	1	60
RUNWAY 18-36 CENTERLINE STRIPES - 47 FT	141	1	141
AR620520 - PAVEMENT MARKING - WATERBORNE (YELLOW)			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
TAXIWAY C1 CENTERLINE STRIPES	79	1	79
TAXIWAY C2 CENTERLINE STRIPES	634	1	634
TAXIWAY C3 CENTERLINE STRIPES	687	1	687
HOLDING POSITION - TWY C1 AND C3 (50' WIDTH)	152	2	304
HOLDING POSITION - TWY C2 (35' WIDTH)	104	1	104
HOLDING POSITION - RWY TURNAROUND (70' WIDTH)	208	1	208

MARKING SCHEDULE			
AR620525 PAVEMENT MARKING - BLACK BORDER			
DESCRIPTION	UNIT AREA (S.F.)	NO. REQUIRED	TOTAL AREA (S.F.)
THRESHOLD STRIPE	156.75	12	1881
RUNWAY DESIGNATION NUMERAL 13	171	1	171
RUNWAY DESIGNATION NUMERAL 31	171	1	171
AIMING POINT	116	4	464
RUNWAY 13-31 CENTERLINE STRIPES - 120 FT	124	16	1984
RUNWAY 13-31 CENTERLINE STRIPES - 86 FT	90	2	180
RUNWAY 18-36 CENTERLINE STRIPES - 20 FT	24	1	24
RUNWAY 18-36 CENTERLINE STRIPES - 47 FT	51	1	51
TAXIWAY C1 CENTERLINE STRIPES	79	1	79
TAXIWAY C2 CENTERLINE STRIPES	634	1	634
TAXIWAY C3 CENTERLINE STRIPES	687	1	687
HOLDING POSITION - TWY C1 AND C3 (50' WIDTH)	248	2	496
HOLDING POSITION - TWY C2 (35' WIDTH)	176	1	176
HOLDING POSITION - RWY TURNAROUND (70' WIDTH)	352	1	352



REHABILITATE RUNWAY 13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

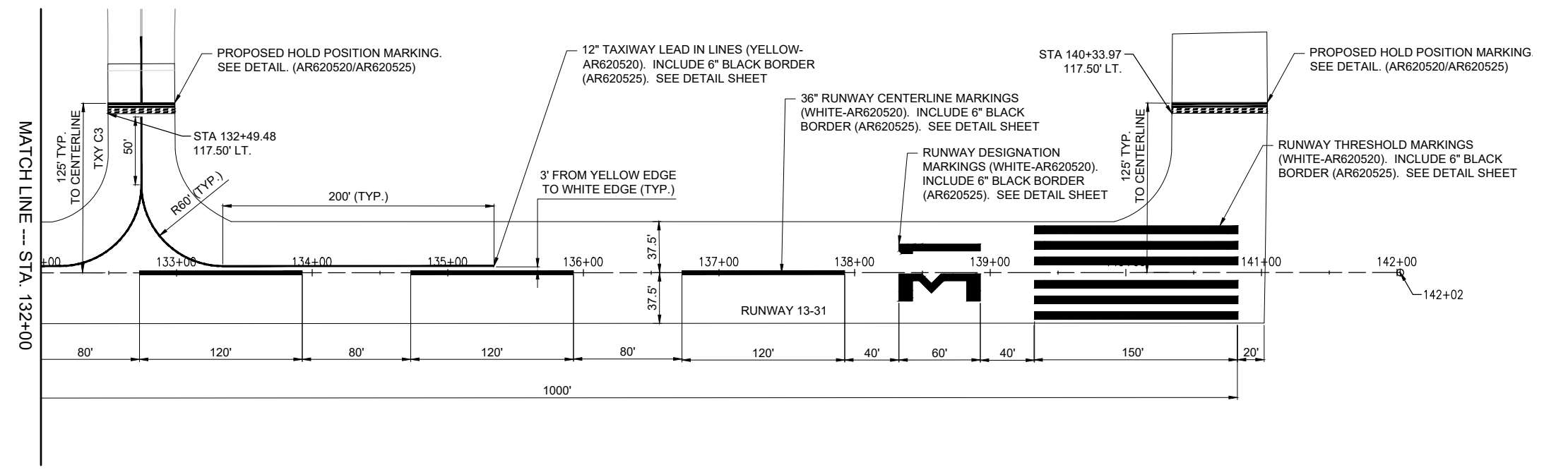
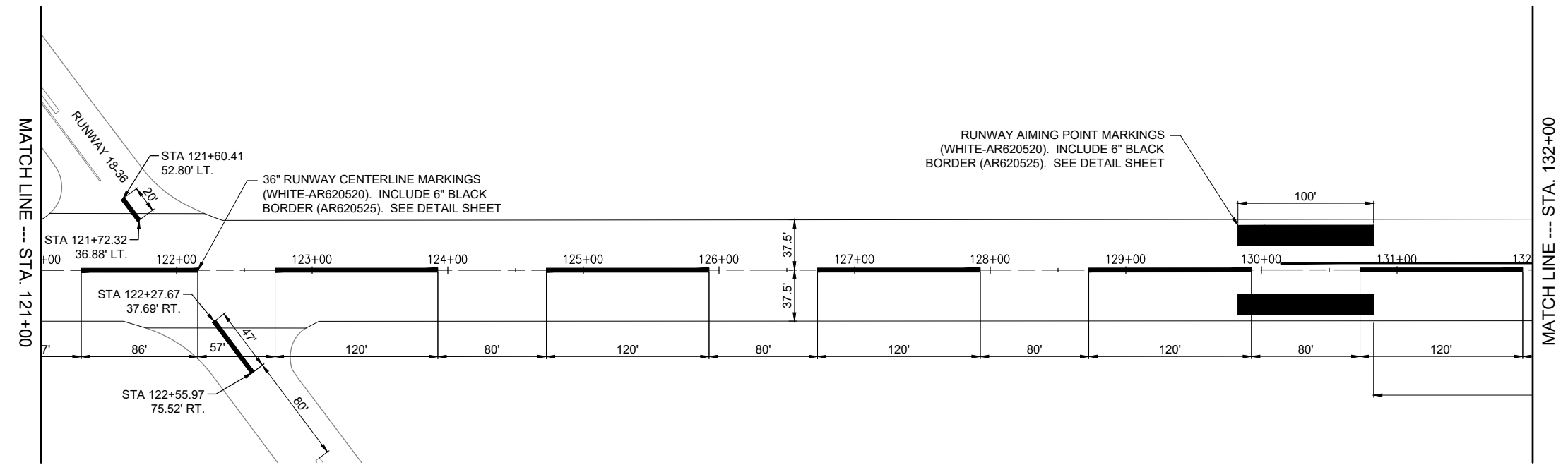
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NO.	DATE	DESCRIPTION		
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CAD FILE: C-103-MRK.DWG
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REVIEWED BY: LDH 03/23/23

SHEET TITLE

MARKING PLAN - SHEET 1



REHABILITATE RUNWAY 13/31

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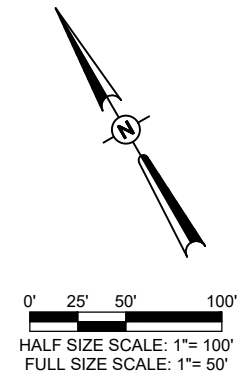
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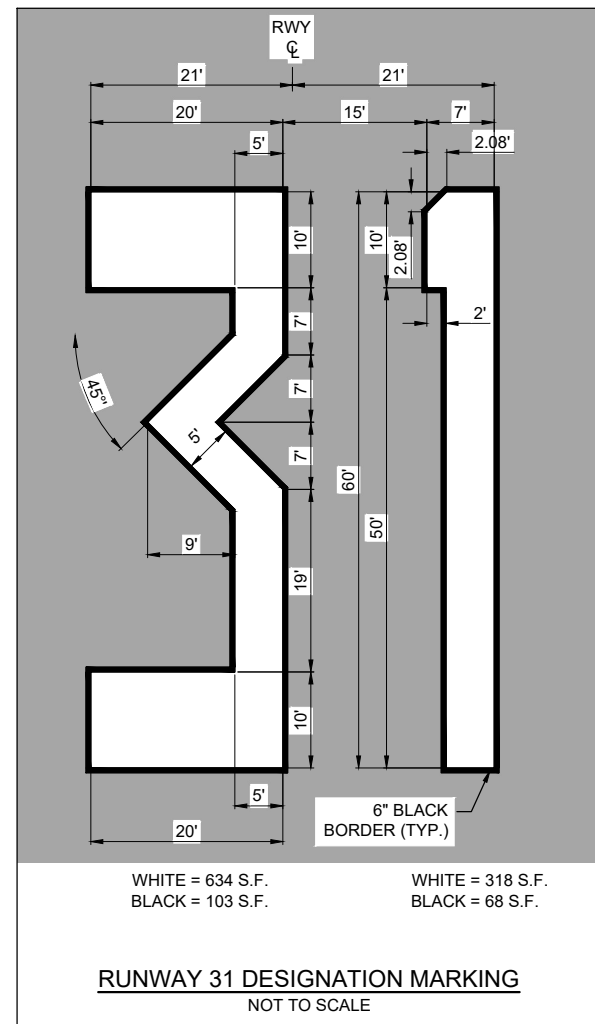
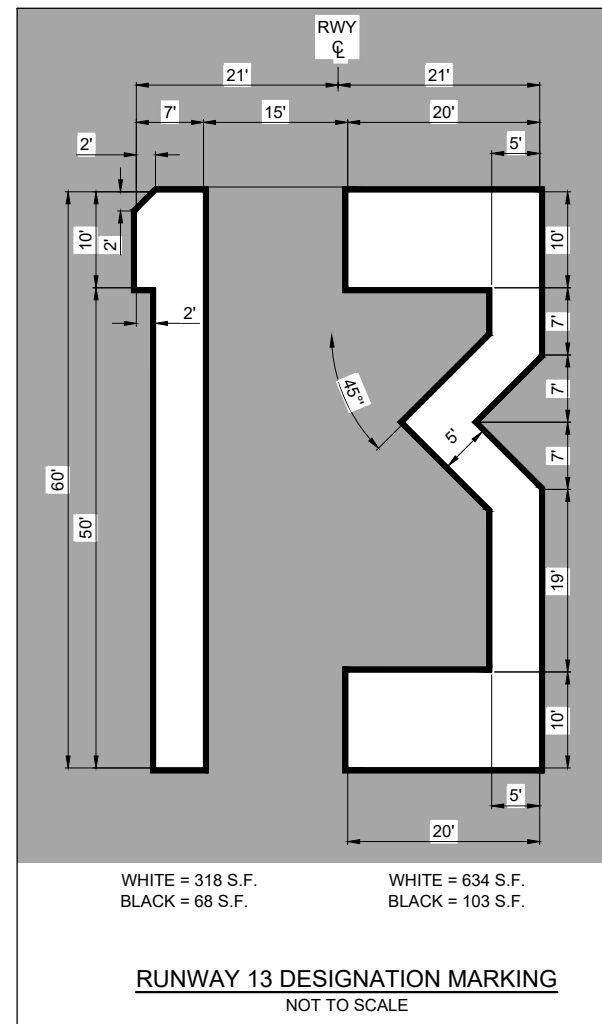
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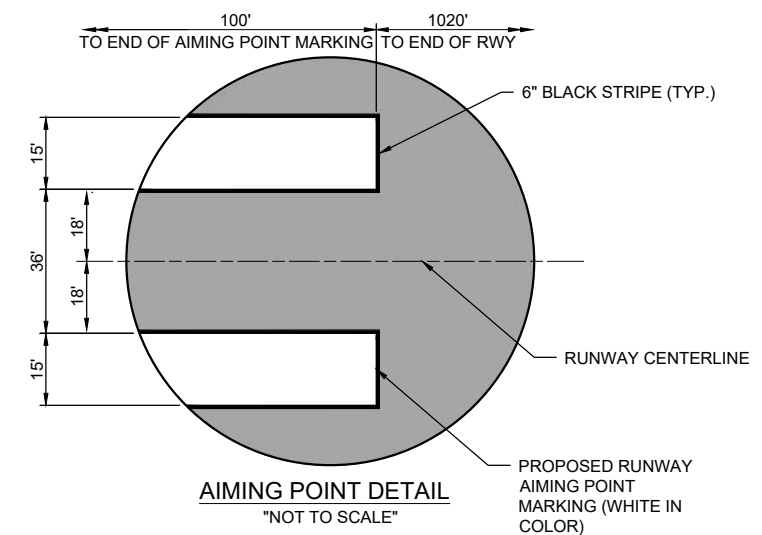
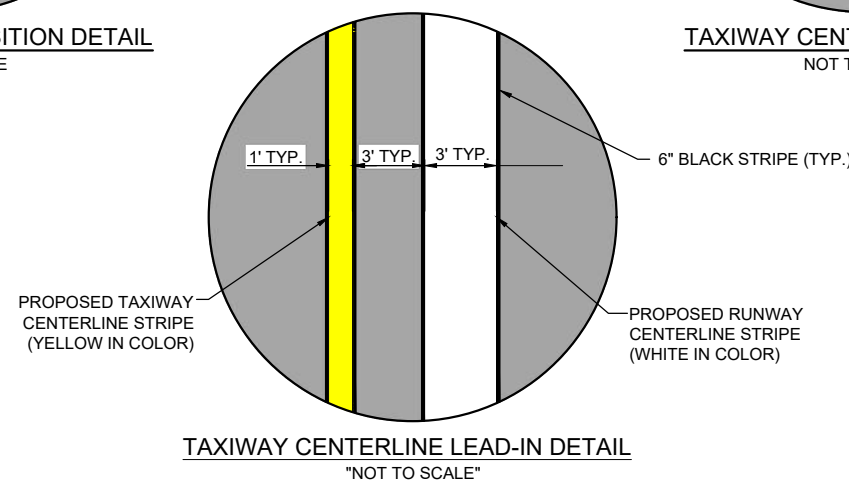
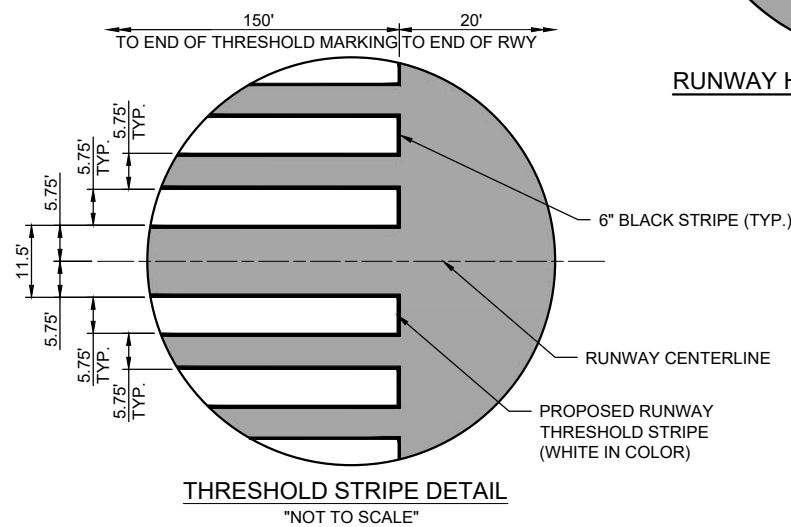
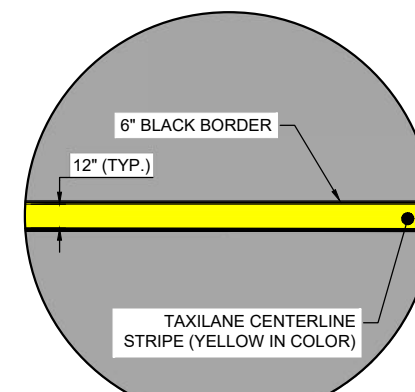
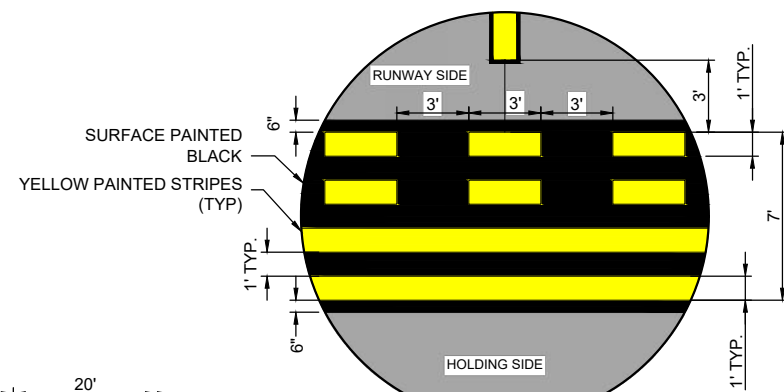
MARKING PLAN - SHEET 2





RUNWAY DESIGNATION MARKING NOTES:

1. ALL NUMERAL MARKING WILL BE WHITE IN COLOR WITH A 6" BLACK OUTLINE.
2. NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.
3. DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.
4. ALL DIMENSIONS SHOWN ARE FOR WHITE MARKINGS.



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

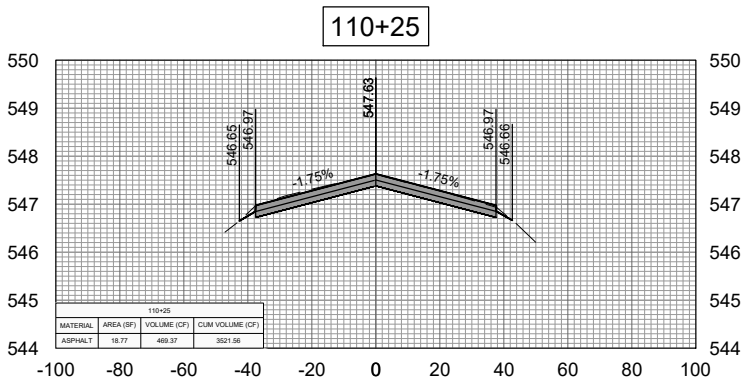
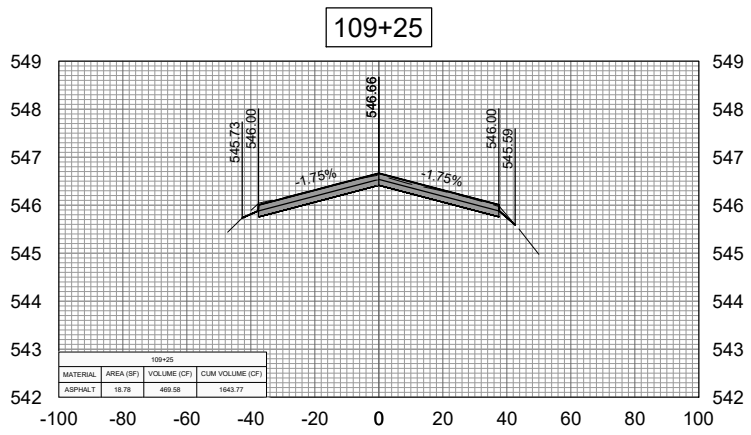
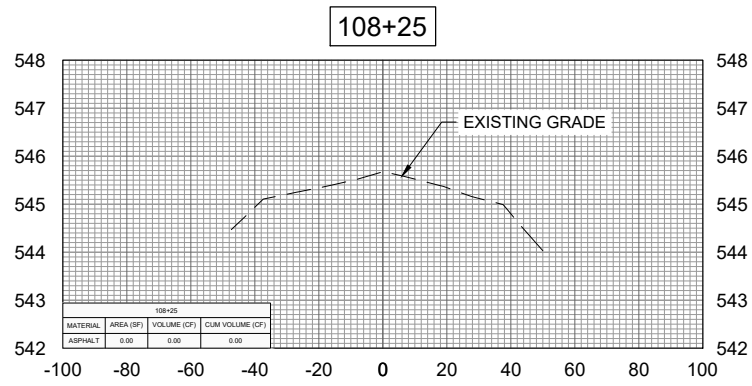
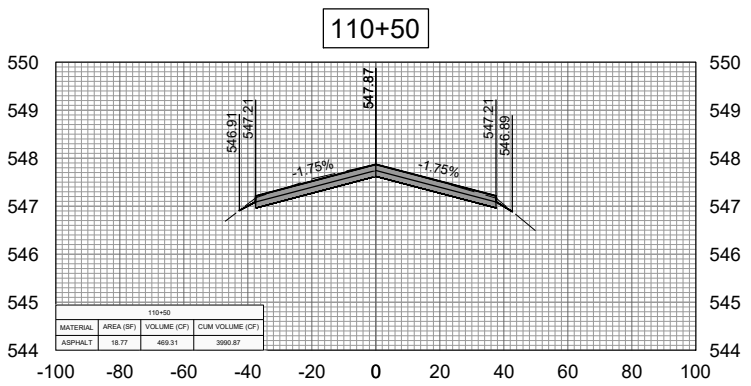
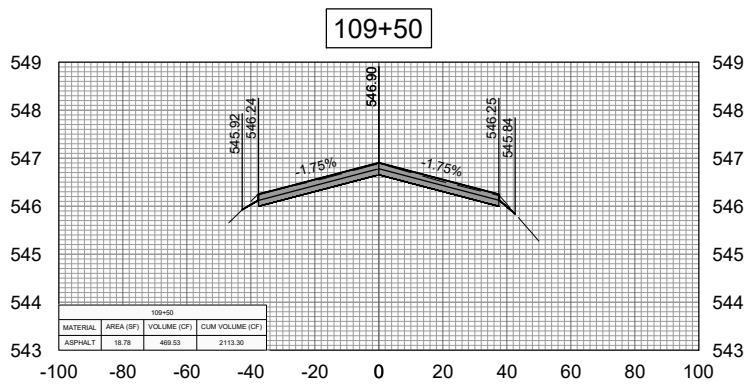
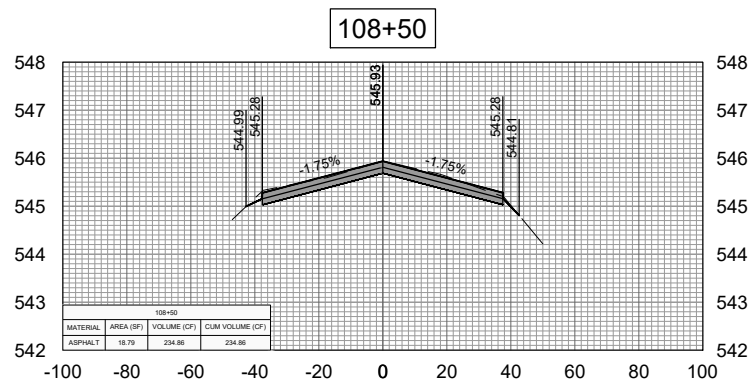
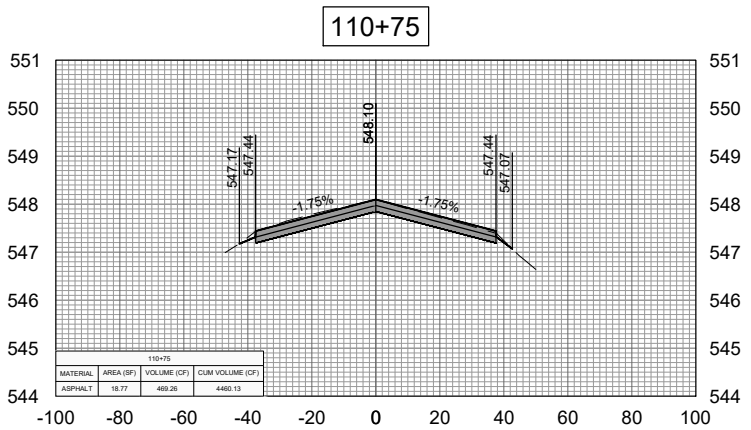
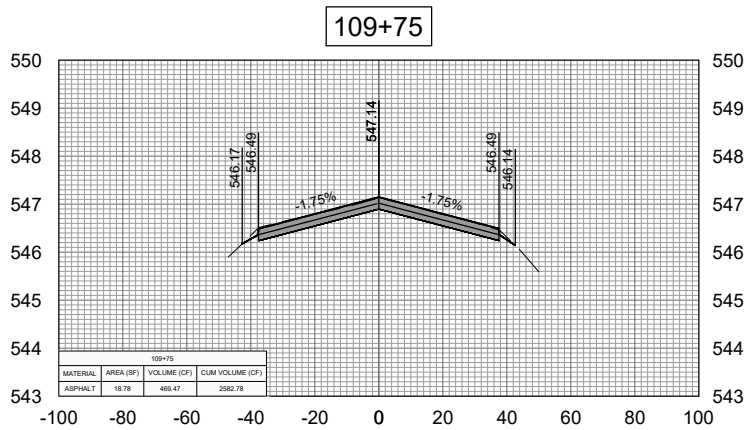
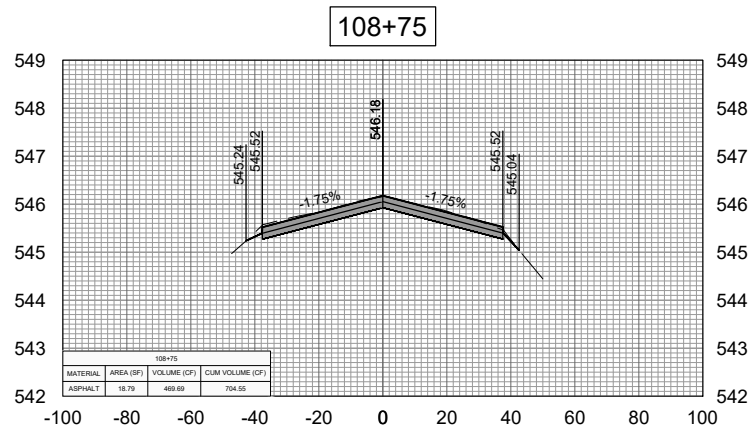
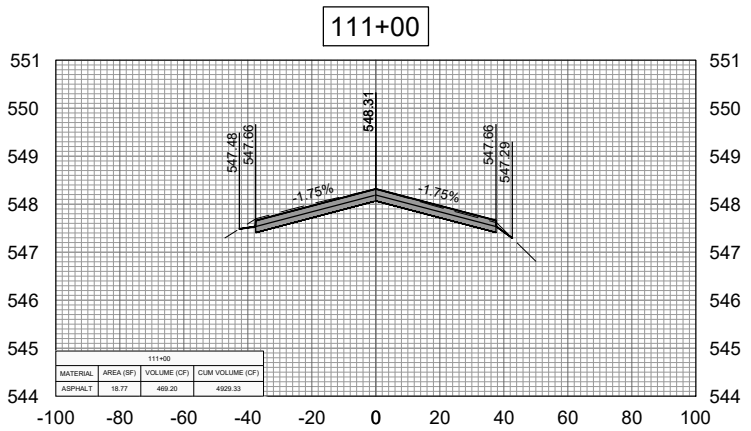
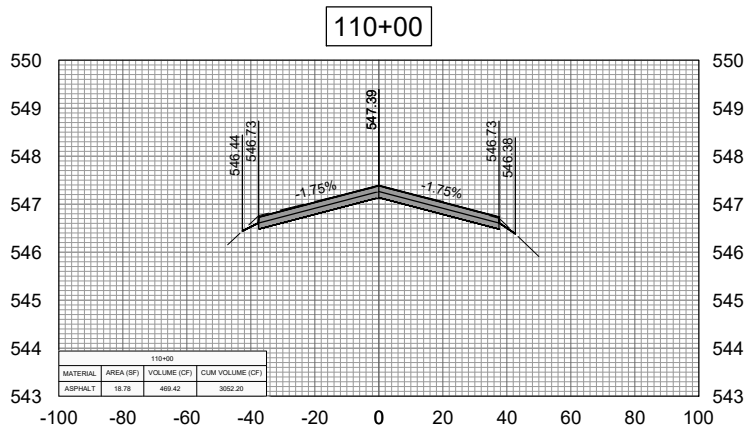
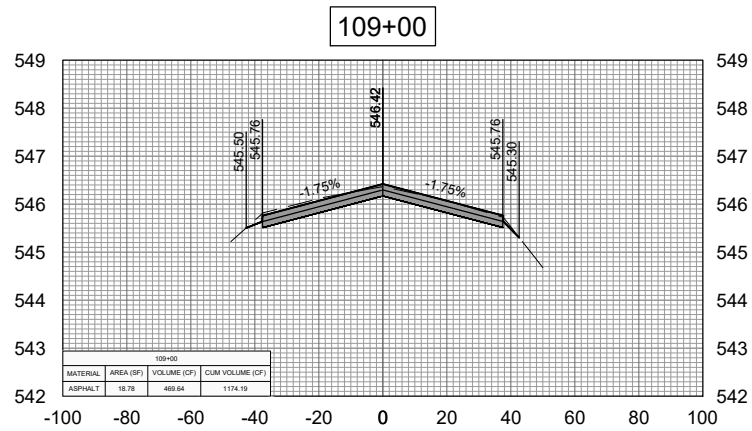
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-551-MRK.DWG
DESIGN BY: LDH 03/09/2023
DRAWN BY: HLE 03/09/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

MARKING DETAILS



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

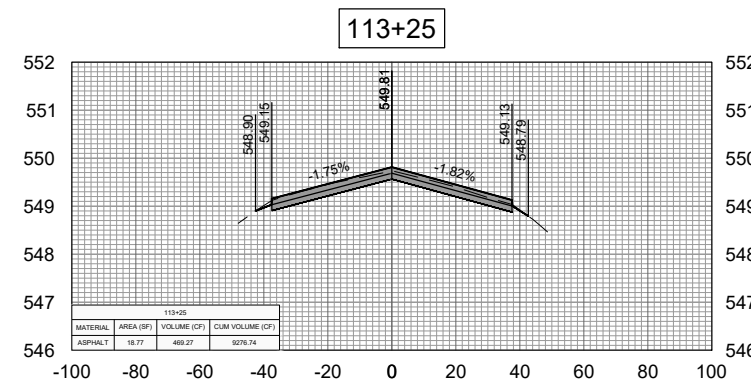
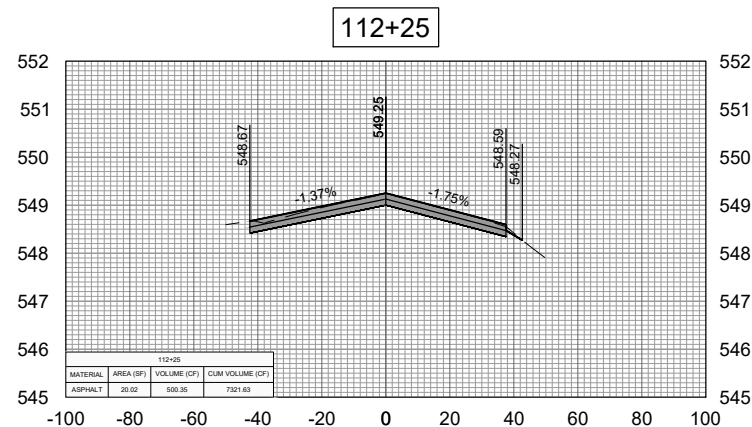
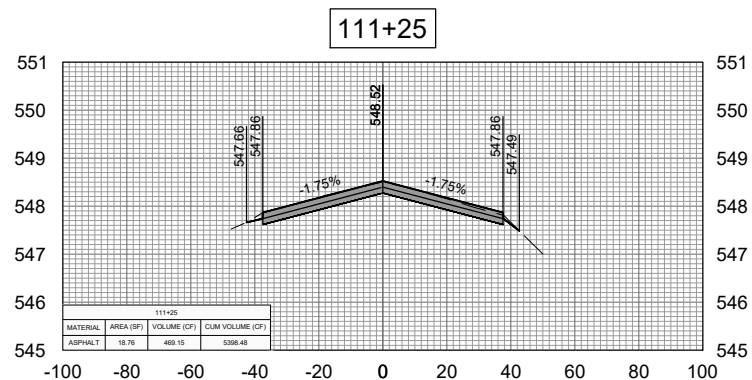
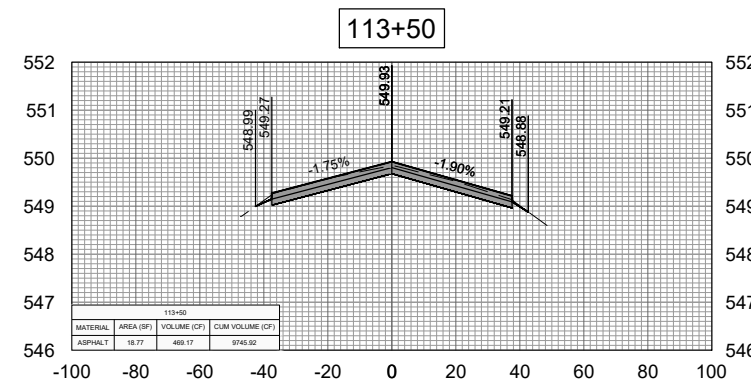
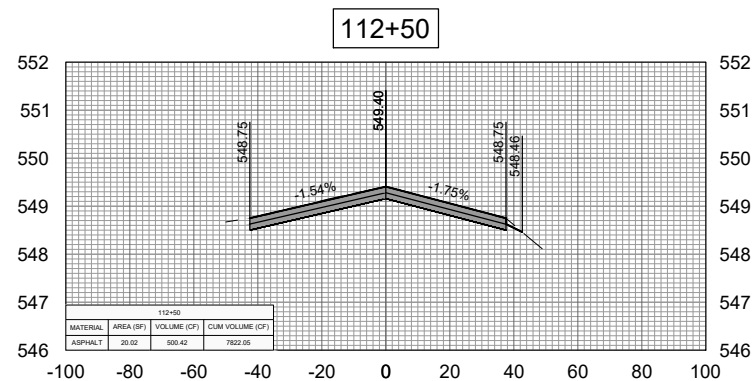
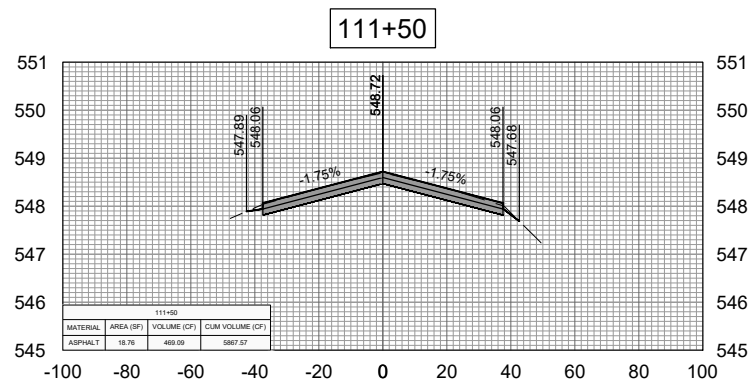
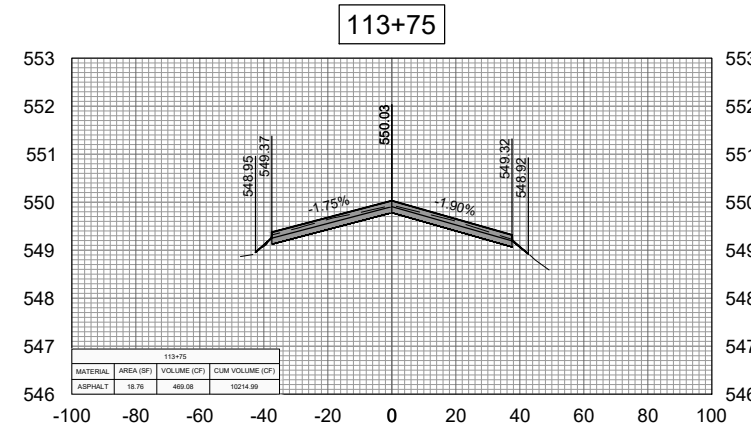
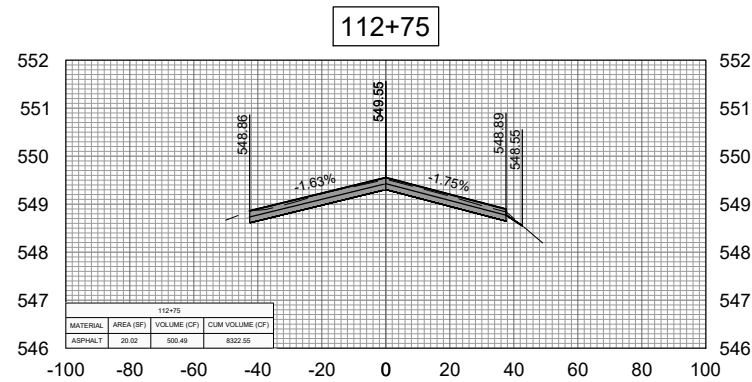
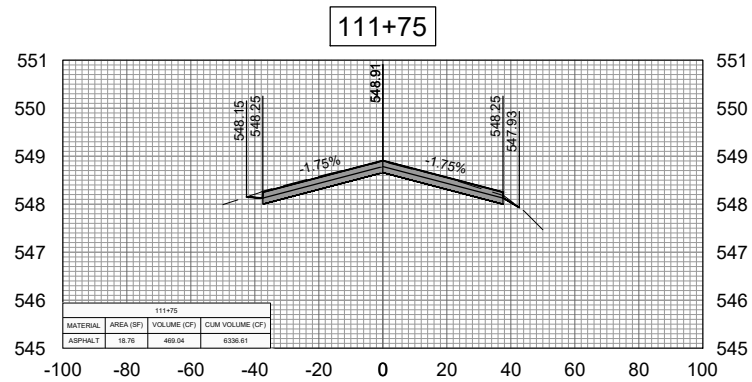
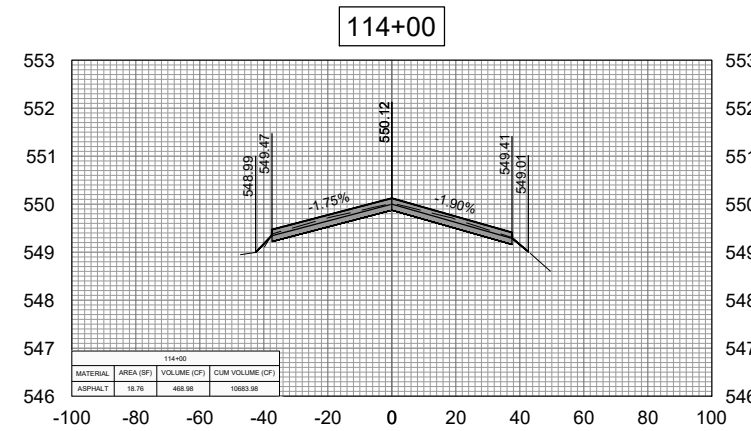
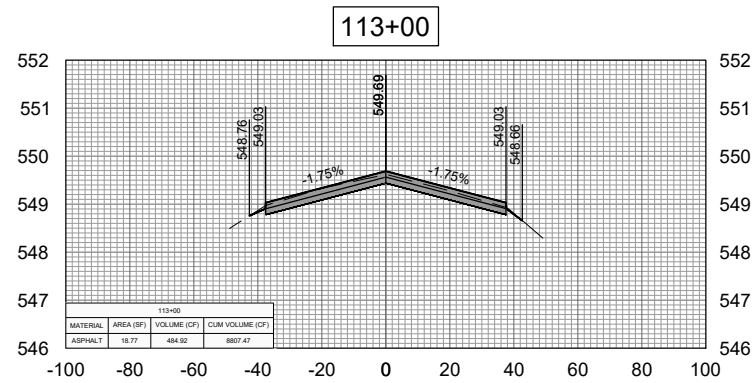
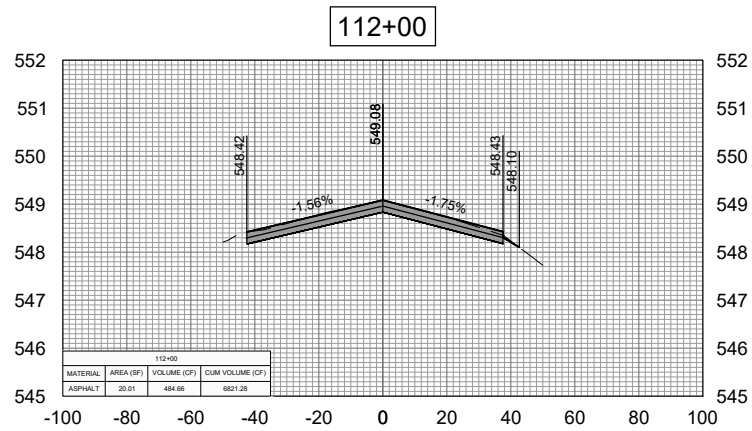
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-301-XS.DWG
DESIGN BY: MJD 03/21/2023
DRAWN BY: HLE 03/10/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
108+25 TO 111+00



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

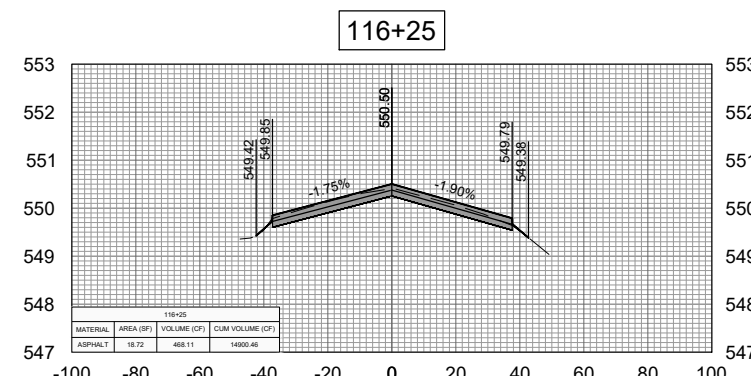
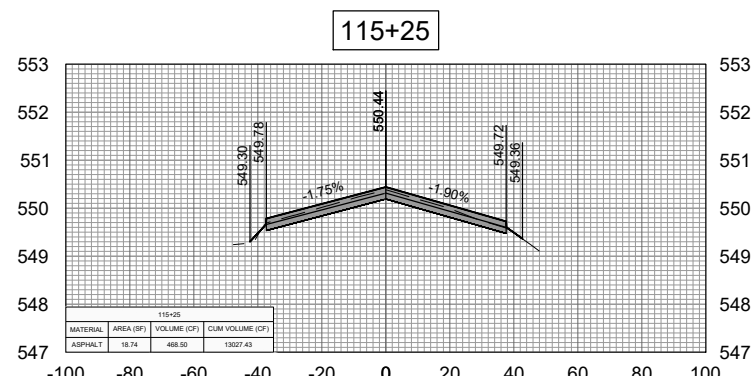
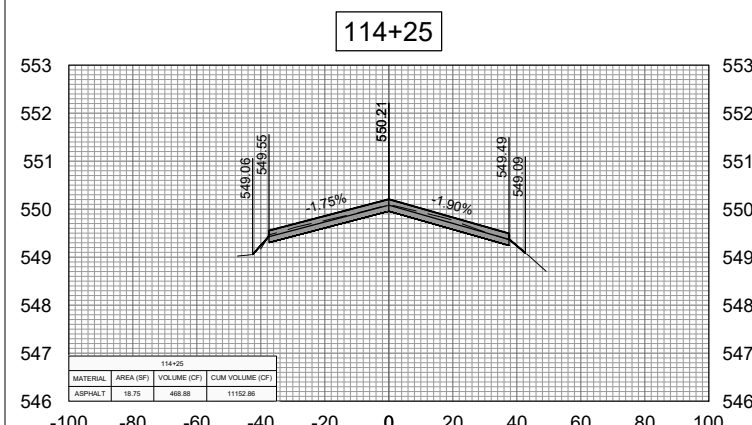
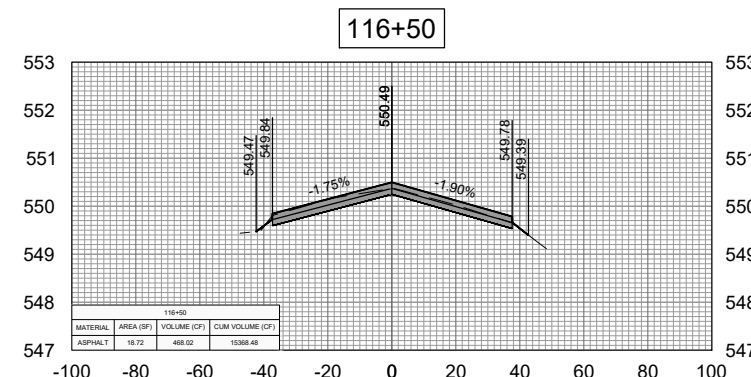
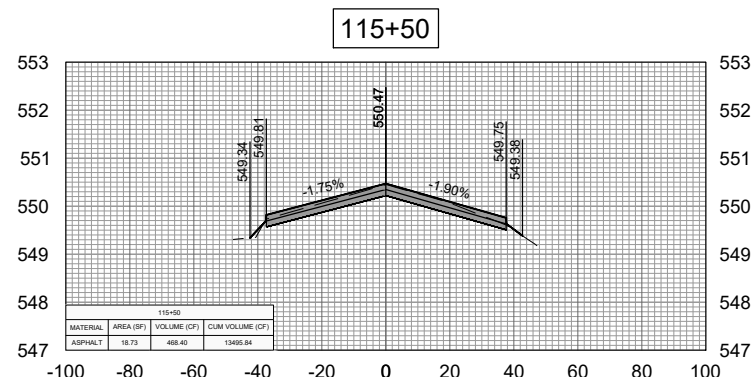
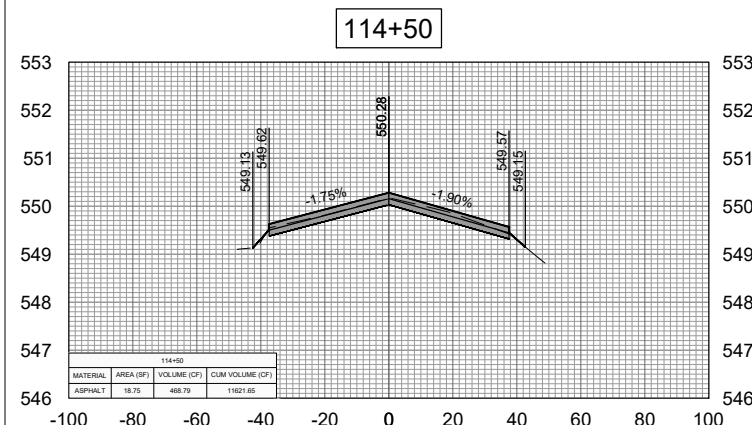
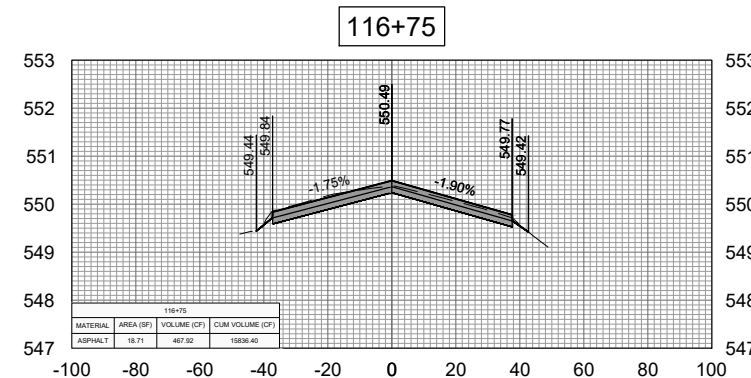
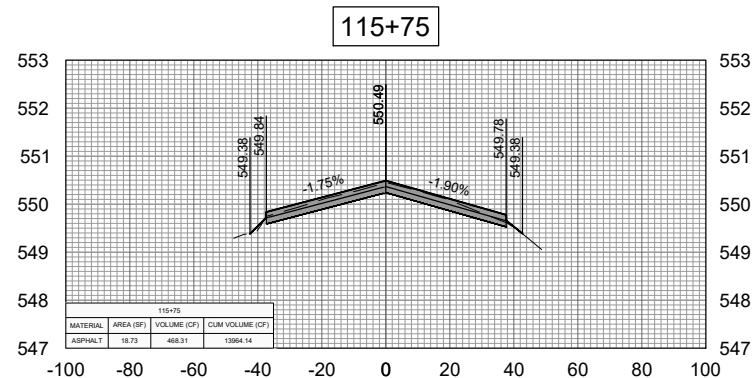
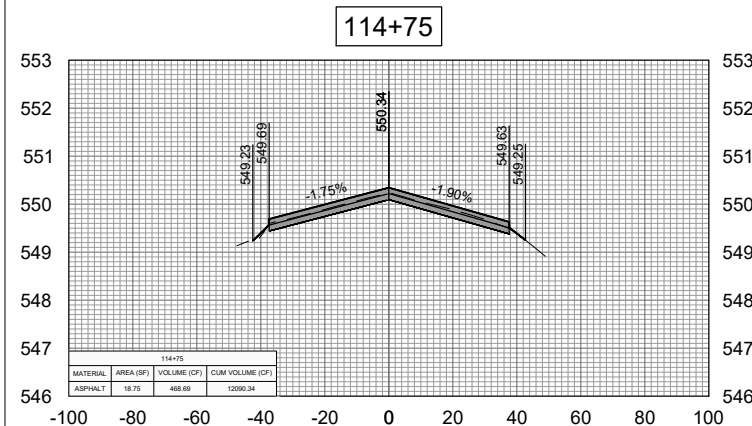
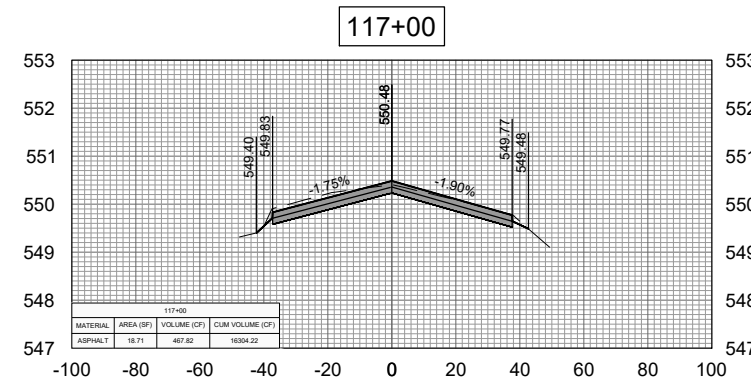
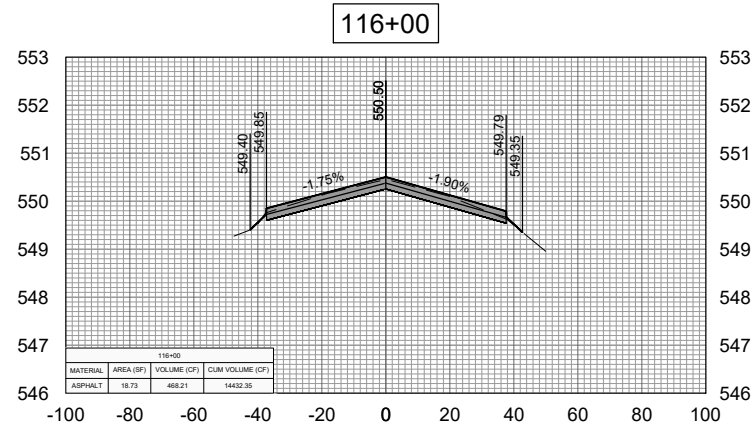
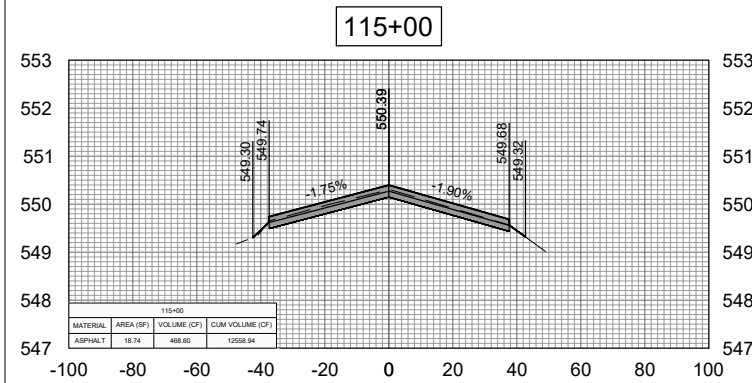
Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-301-XS.DWG
DESIGN BY: MJD 03/21/2023
DRAWN BY: HLE 03/10/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
111+25 TO 114+00



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

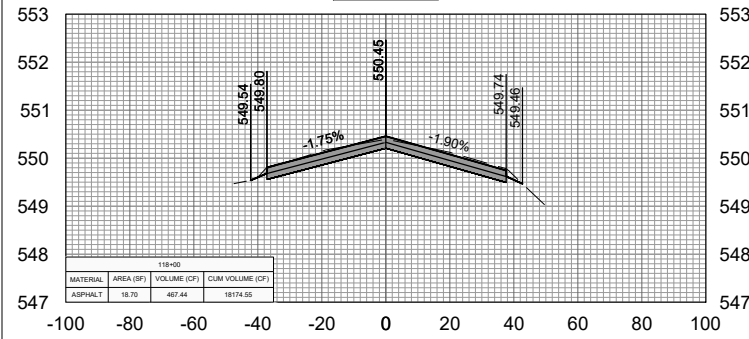
ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-301-XS.DWG
DESIGN BY: MJD 03/21/2023
DRAWN BY: HLE 03/10/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

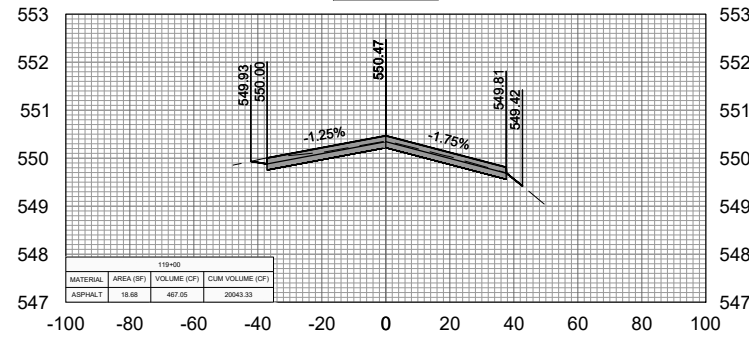
CROSS-SECTION
114+25 TO 117+00



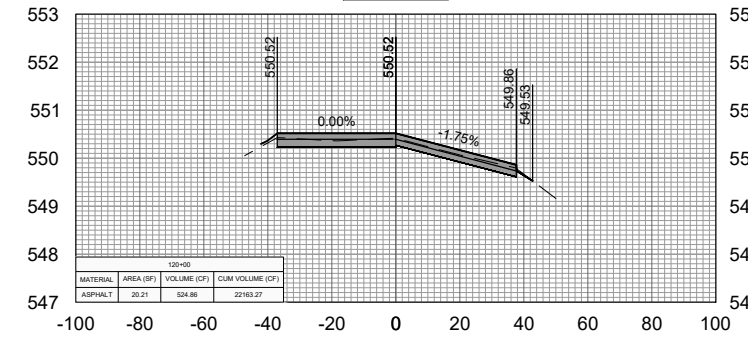
118+00



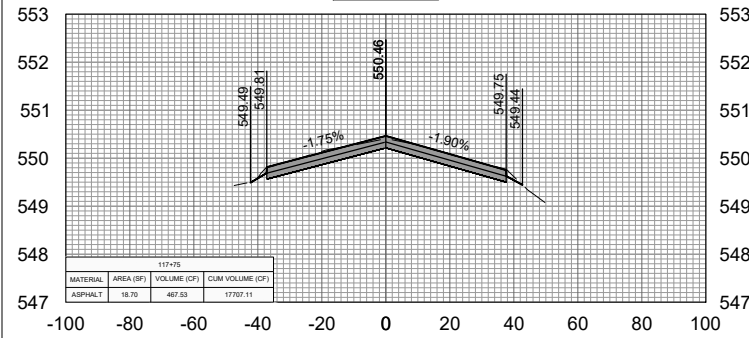
119+00



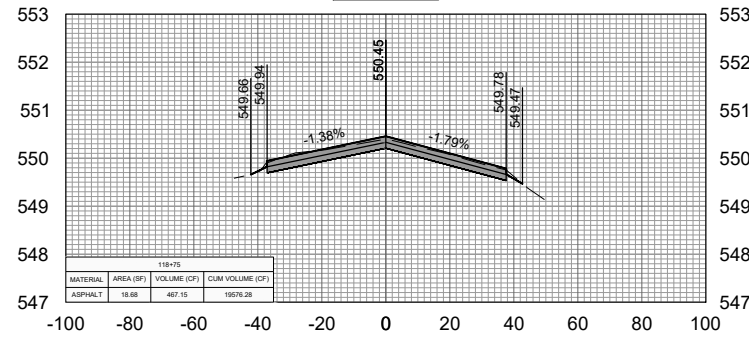
120+00



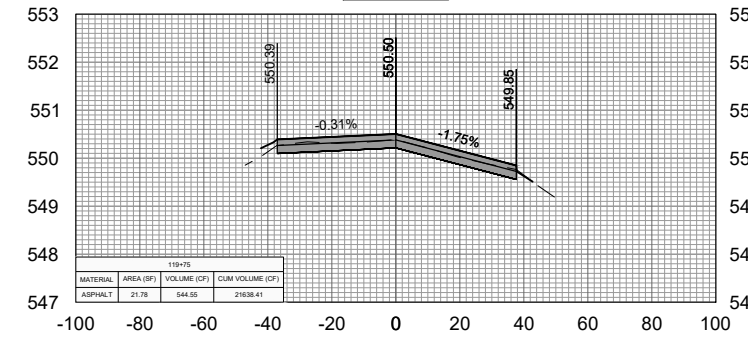
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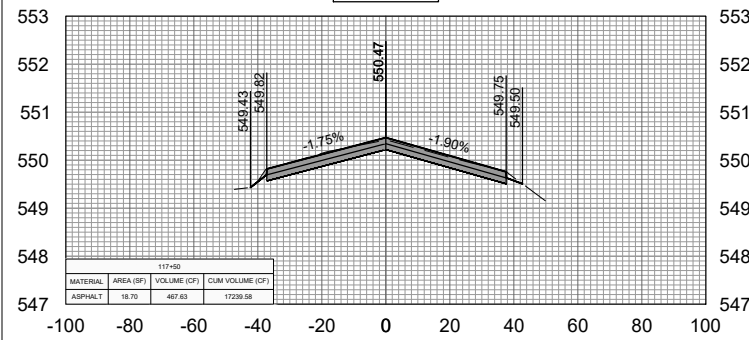
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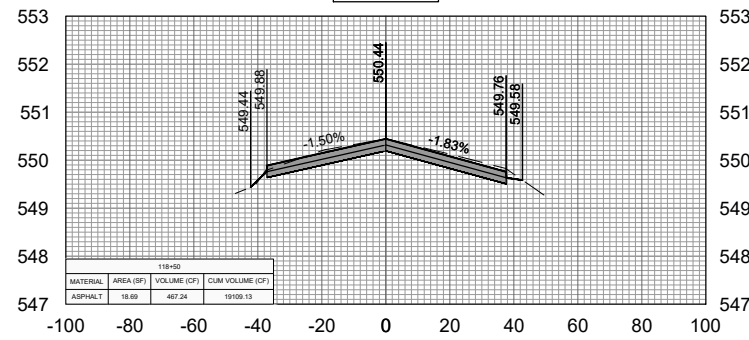
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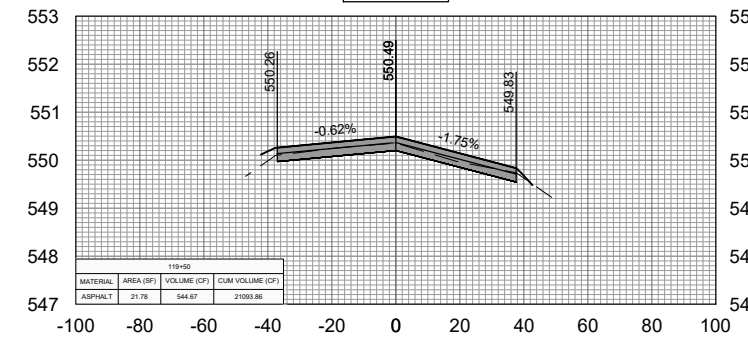
117+50



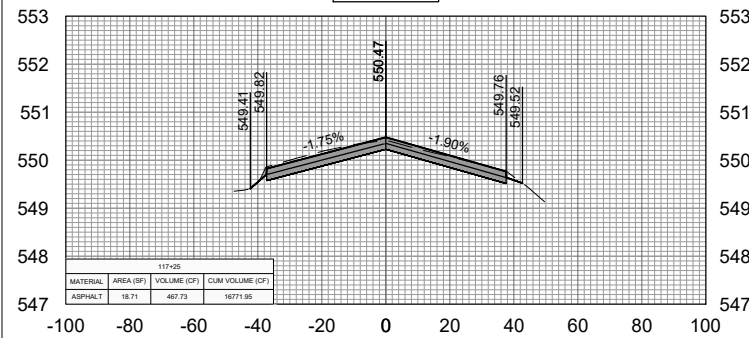
118+50



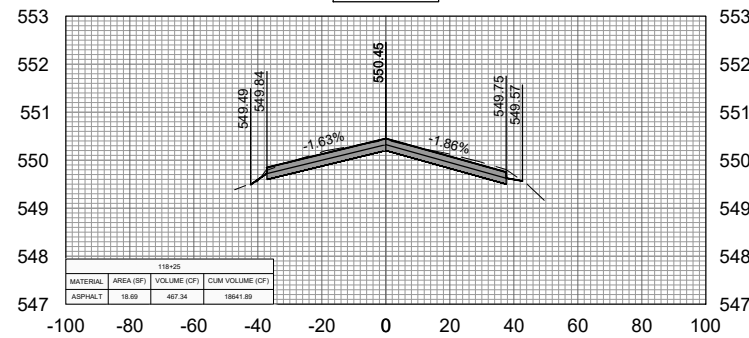
119+50



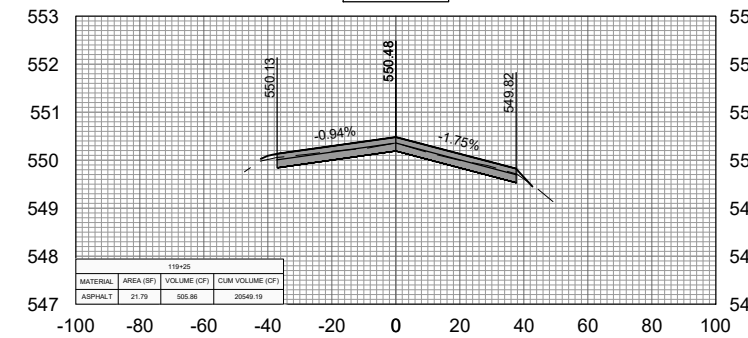
117+25



118+25



119+25



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023

PROJECT NO: 22A0097

CAD FILE: C-301-XS.DWG

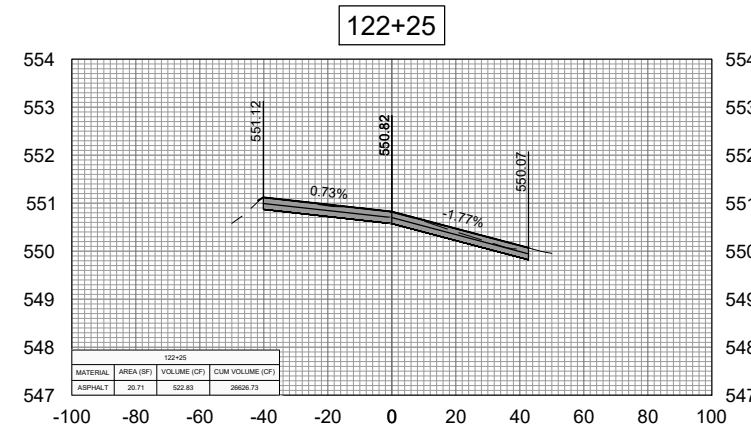
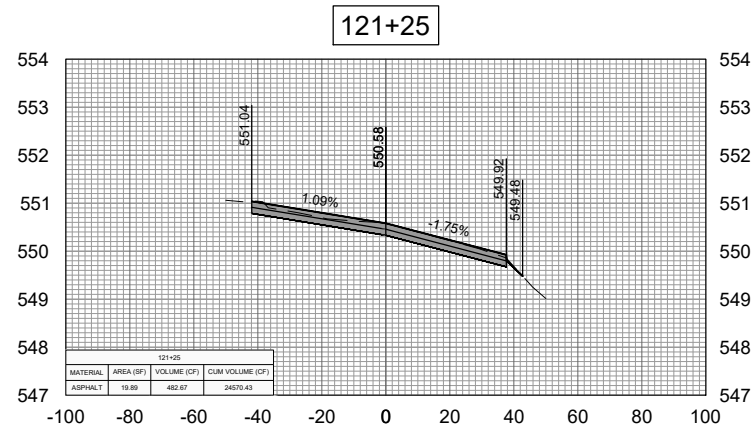
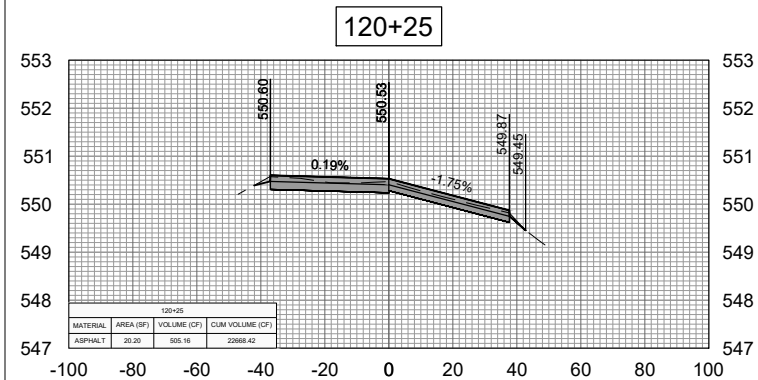
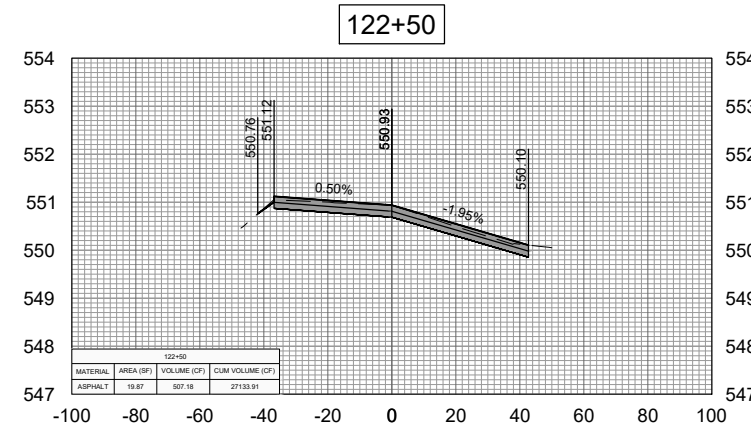
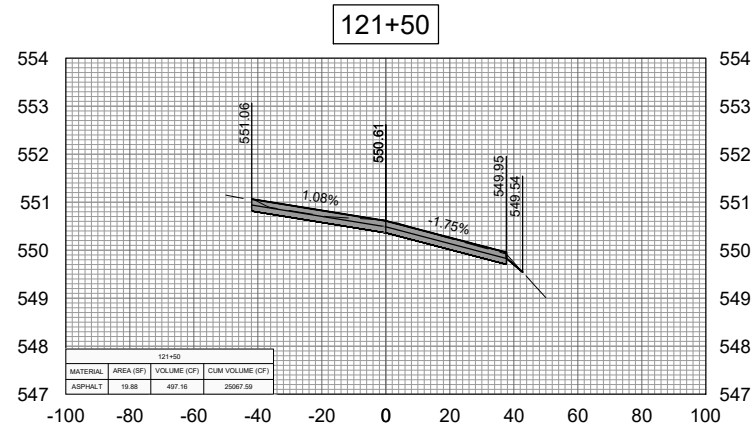
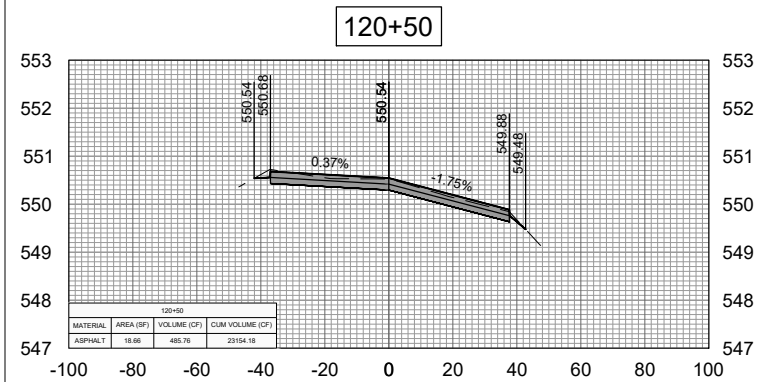
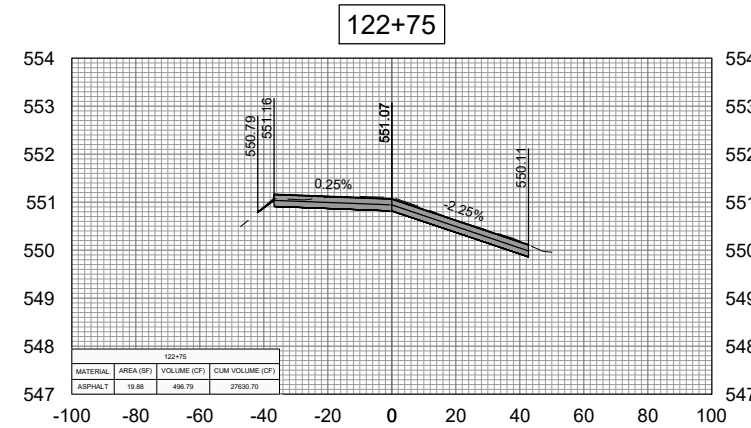
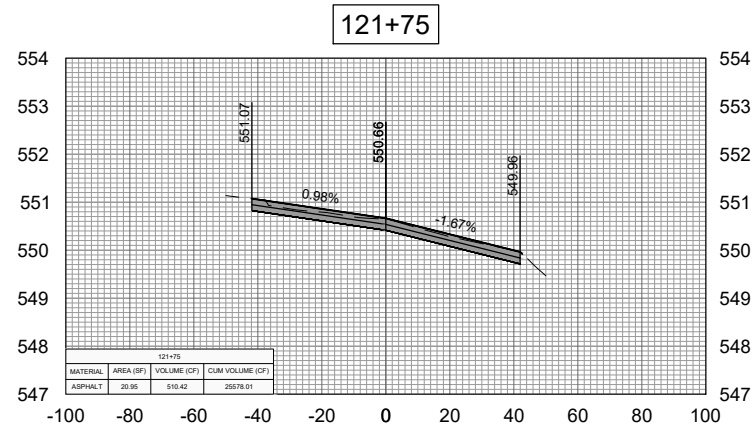
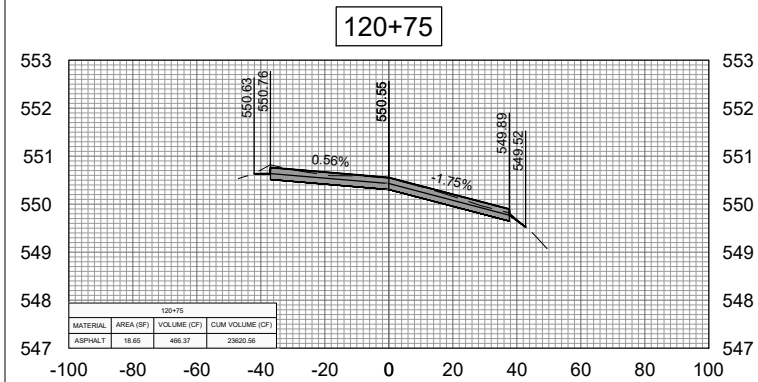
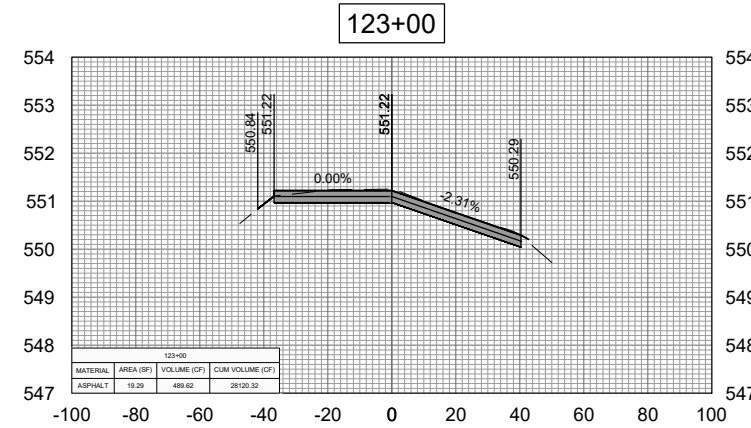
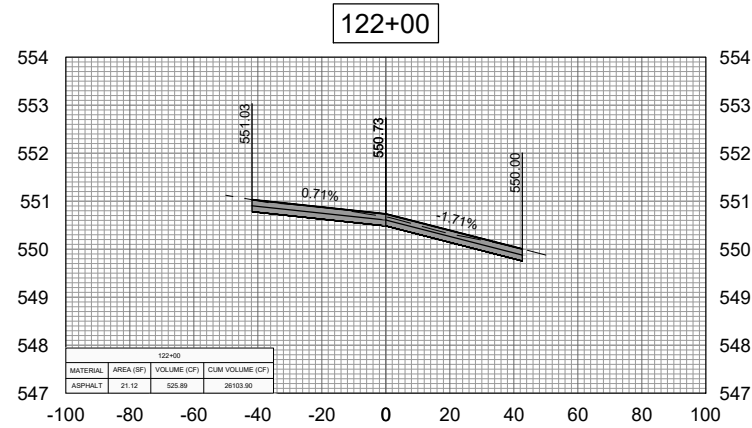
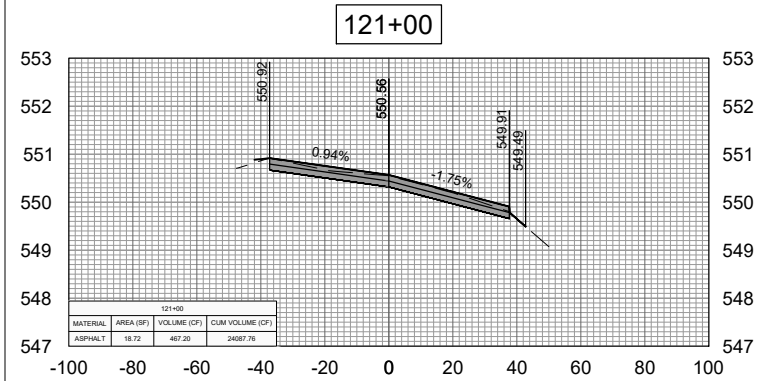
DESIGN BY: MJD 03/21/2023

DRAWN BY: HLE 03/10/2023

REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
117+25 TO 120+00



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023

PROJECT NO: 22A0097

CAD FILE: C-301-XS.DWG

DESIGN BY: MJD 03/21/2023

DRAWN BY: HLE 03/10/2023

REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
120+25 TO 123+00



REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

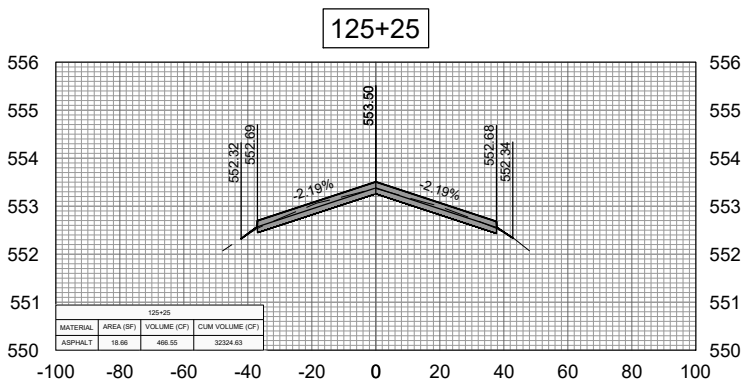
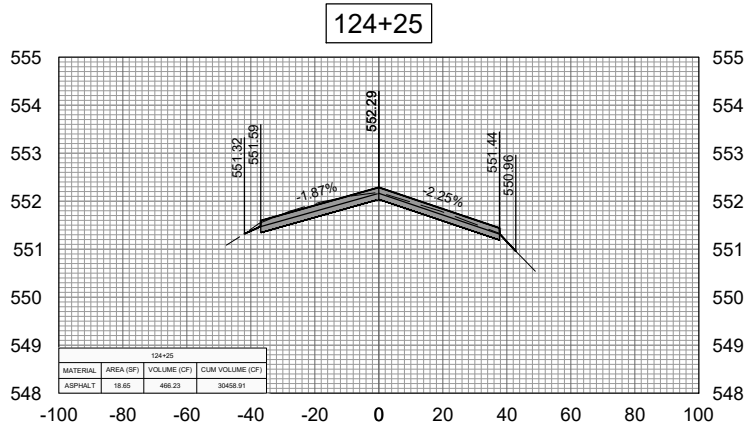
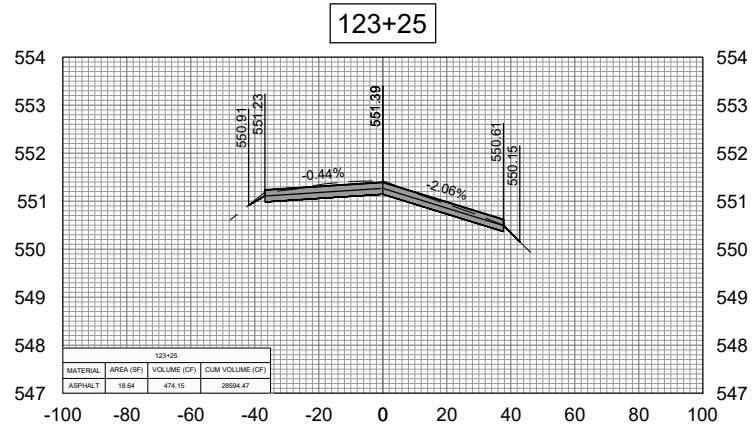
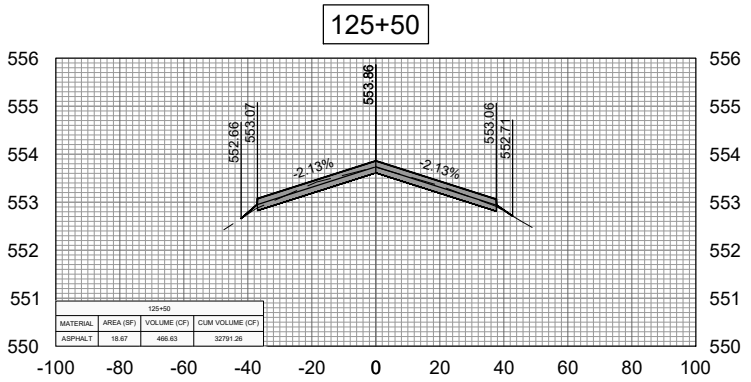
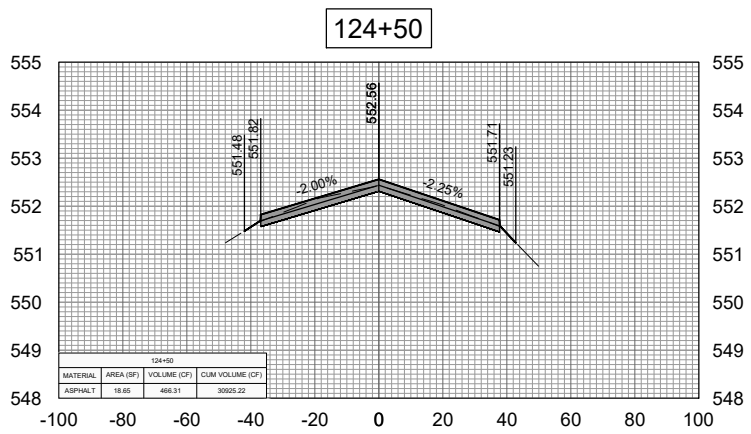
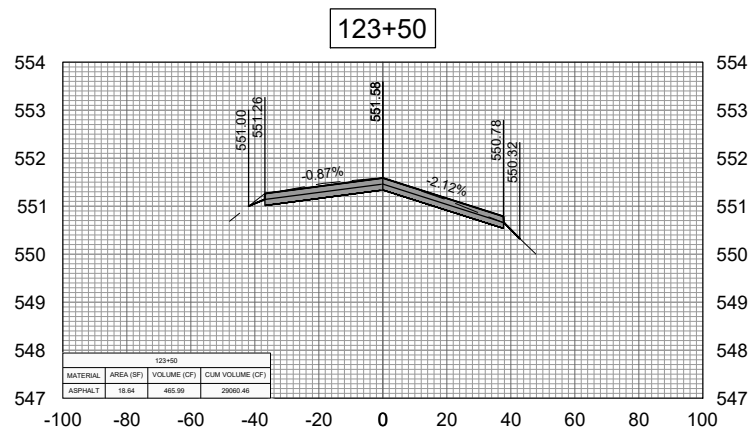
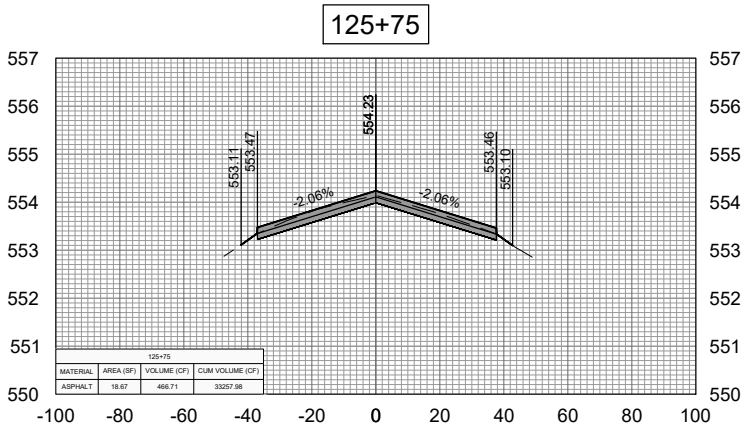
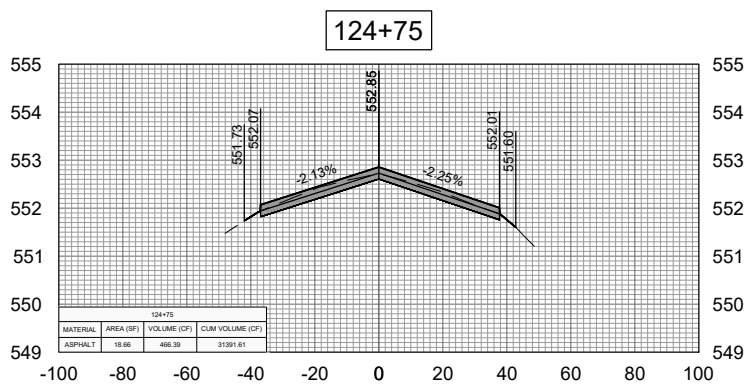
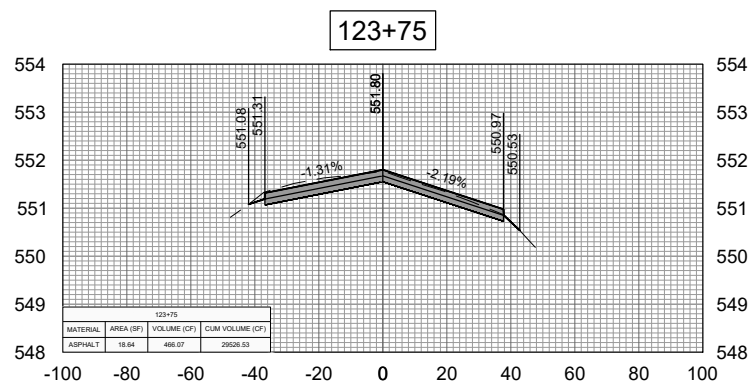
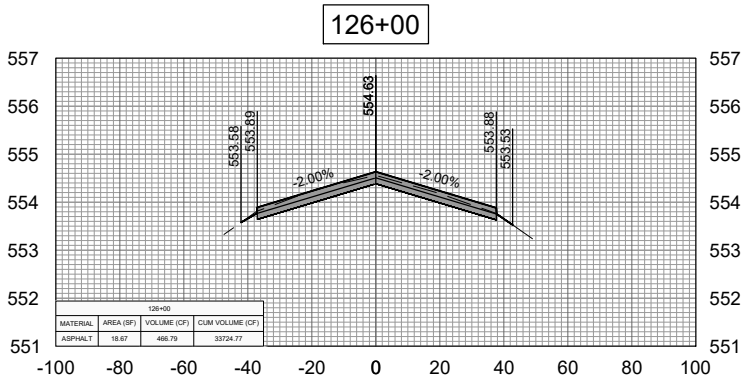
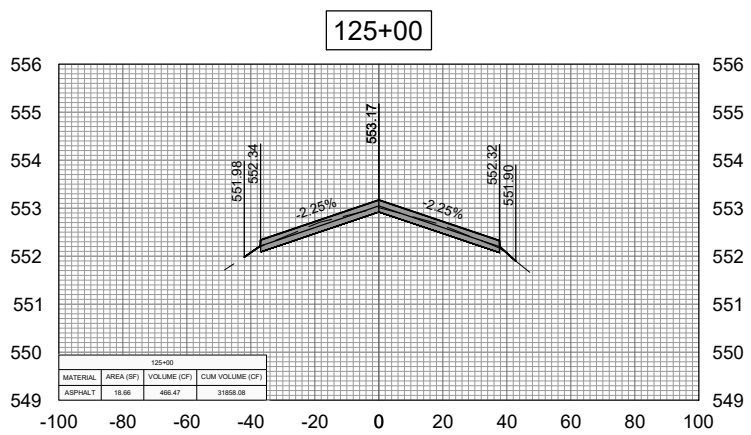
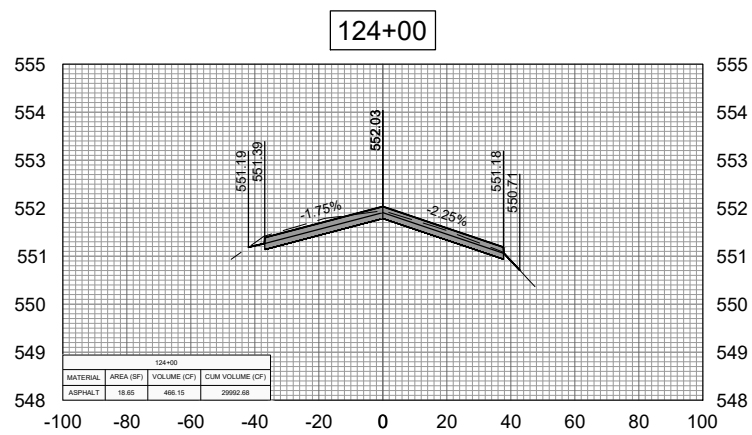
Contract No. MA034

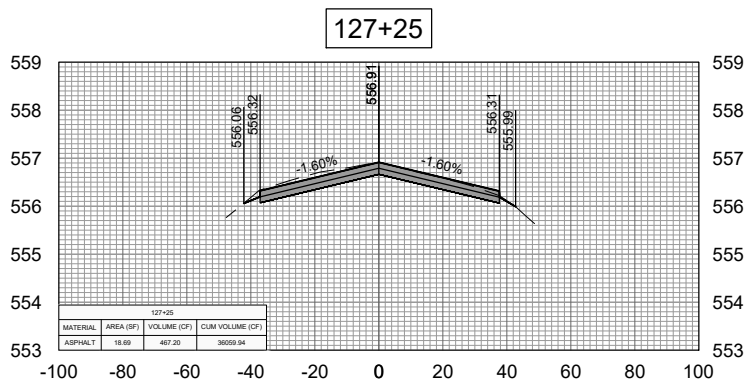
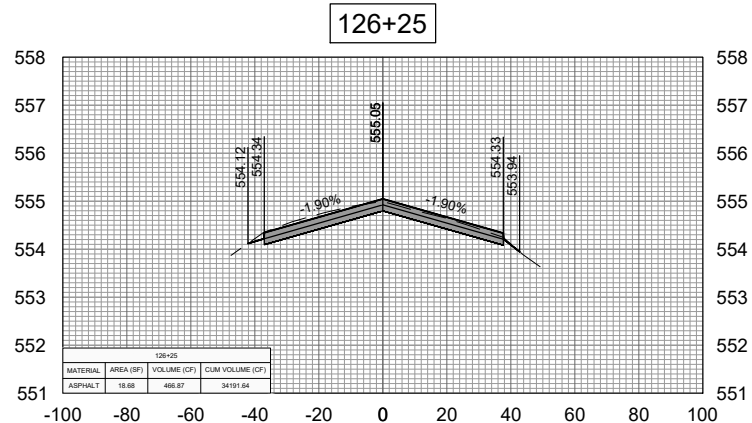
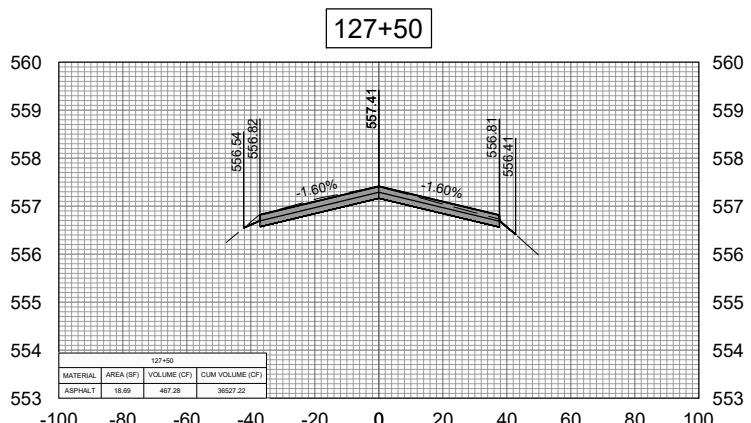
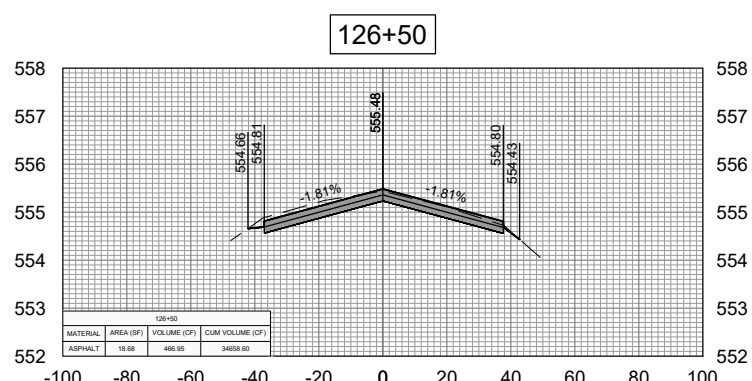
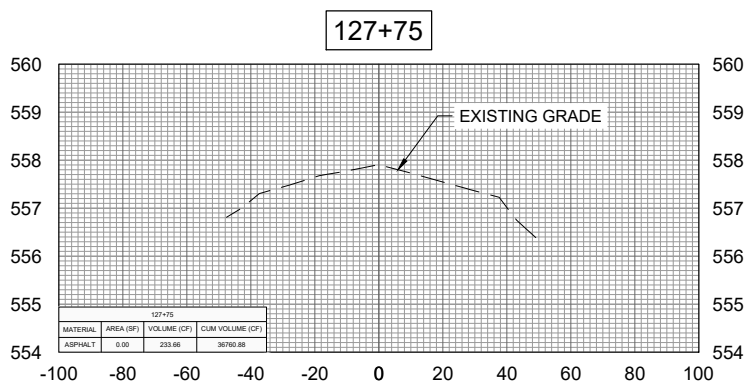
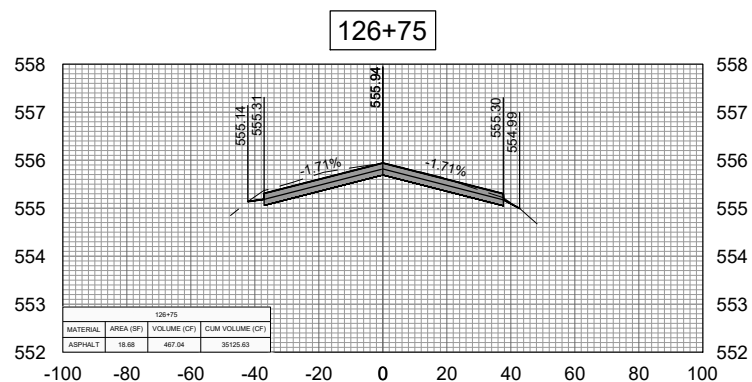
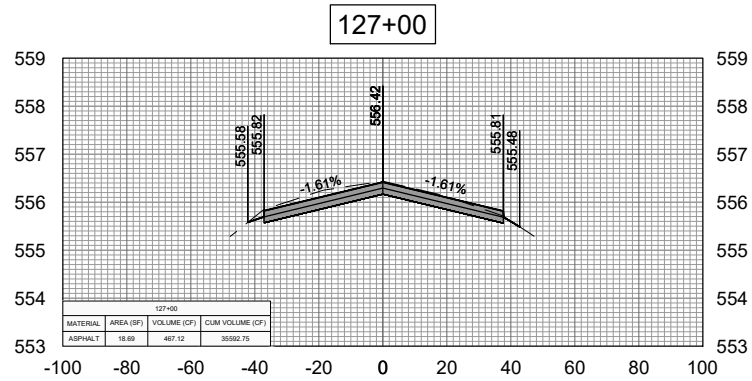
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-301-XS.DWG
DESIGN BY: MJD 03/21/2023
DRAWN BY: HLE 03/10/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
123+25 TO 126+00





REHABILITATE RUNWAY
13/31

SBG: 3-17-SBGP-184/TBD

IDA No: C75-5071

Contract No. MA034

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: APRIL 21, 2023
PROJECT NO: 22A0097
CAD FILE: C-301-XS.DWG
DESIGN BY: MJD 03/21/2023
DRAWN BY: HLE 03/10/2023
REVIEWED BY: LDH 03/23/23

SHEET TITLE

CROSS-SECTION
126+25 TO 127+75