

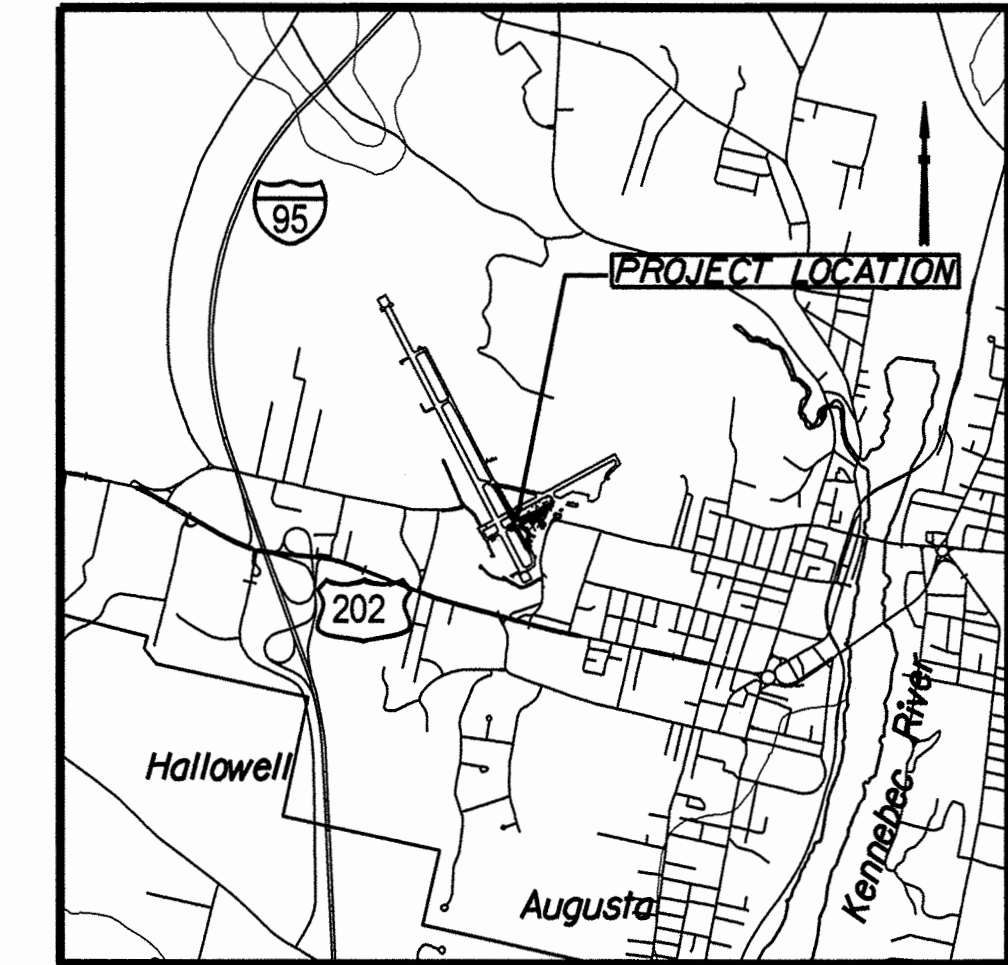
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



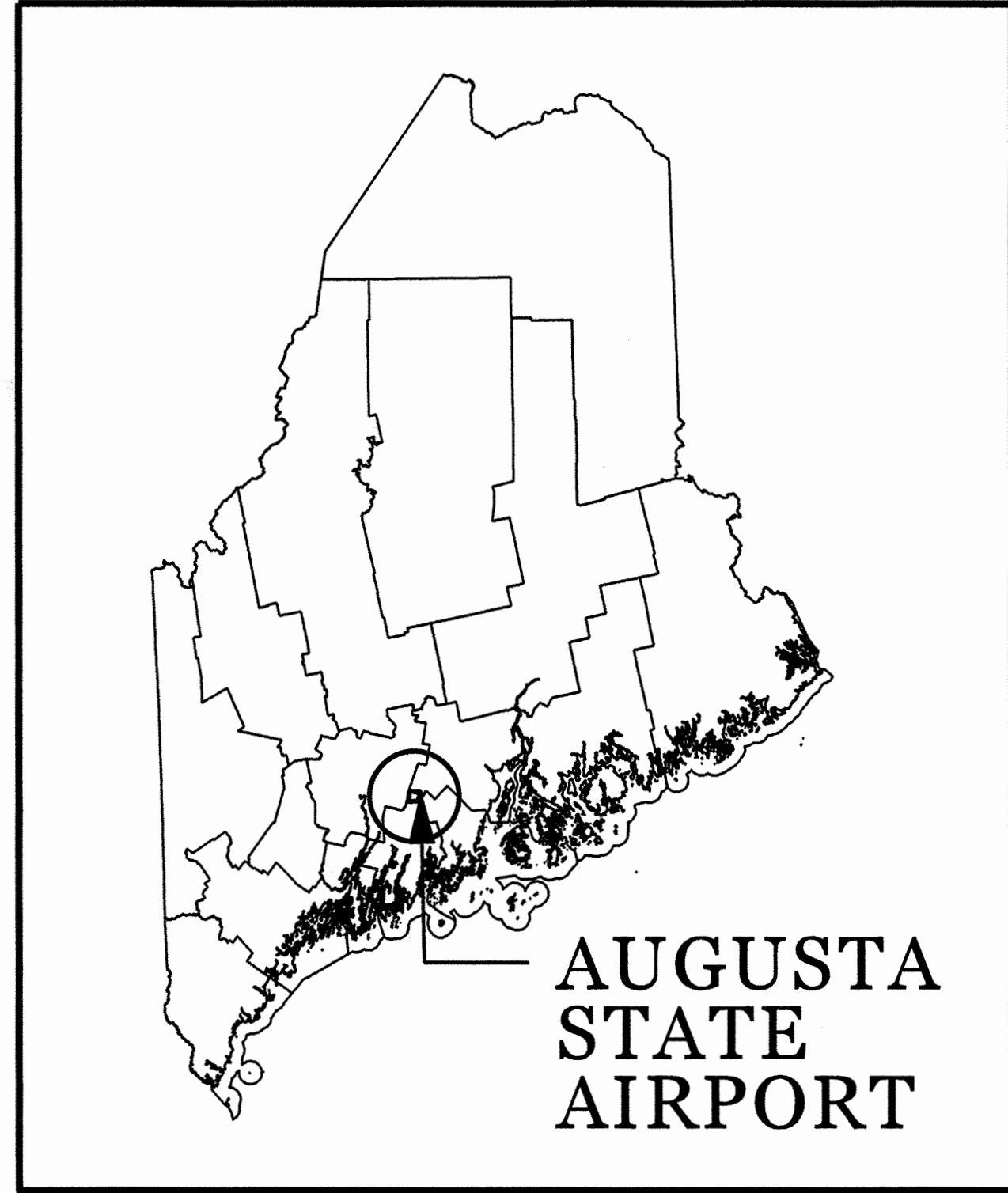
AUGUSTA
KENNEBEC COUNTY

AUGUSTA STATE AIRPORT

- Reconstruction, Marking, Lighting and Signing a Portion of Taxiway "C"
(Approx. 1,200 x 35 LF);
- Reconstruction, Marking, Lighting and Signing a Portion of Taxiway "E"
(Approx. 545 x 35 LF);
- Reconstruct the Non-Movement area of the Terminal Apron
(Approx. 1595 SY);
- Reconstruction, Marking, Lighting and Signing TW "C" Bypass Taxiway
(Approx. 1,800 SY).



Scale in Miles
0 1/2 1
LOCATION MAP



AUGUSTA STATE AIRPORT

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PLANS AND SPECIFICATIONS FOR
BIDDING PURPOSES ONLY

NOT TO BE USED FOR
CONSTRUCTION

PROJECT LOCATION:	AUGUSTA STATE AIRPORT LATITUDE 44 19 02 N LONGITUDE -69 47 41 W
PROGRAM AREA:	AVIATION
SCOPE OF WORK:	TAXIWAY "C" & TAXIWAY "E" RECONSTRUCTION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	<i>[Signature]</i>	4-13-21
CHIEF ENGINEER:	<i>[Signature]</i>	4-9-21



MATTHEW T. O'BRIEN	SIGNATURE	DATE
12842	P.E. NUMBER	04-12-2021

PROJECT INFORMATION	AVIATION
PROGRAM	TIMOTHY E. LESIGE
PROJECT MANAGER	MATTHEW T. O'BRIEN
DESIGNER	MCFARLAND-JOHNSON INC.
CONSULTANT	MCFARLAND-JOHNSON INC.
PROJECT RESIDENT	TBD
CONTRACTOR	TBD
PROJECT COMPLETION DATE	TBD

AUGUSTA STATE AIRPORT
TITLE SHEET

SHEET NUMBER
1
OF 59

WIN: 020655.03 FAA AIP: 3-23-0003-XXX-2021

GENERAL CONSTRUCTION NOTES:

- 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 72 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL DIG SAFE AND ANY NECESSARY PRIVATE UTILITY LOCATE COMPANIES AS NEEDED.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
4. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.
5. THE CONTRACTOR SHALL:
A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
B. EXAMINE THE SITE AND INCLUDE IN HIS WORK CONSIDERATION FOR THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE CONTRACT PLANS AND SPECIFICATIONS.
D. HOLD THE OWNER HARMLESS AGAINST ANY AND ALL CLAIMS ARISING FROM WORK DONE BY THE CONTRACTOR ON THE SITE.
6. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF OSHA REGULATIONS FOR CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION.

AVIATION NOTES:

- 1. IN ADDITION TO NORMAL SAFETY PRECAUTIONS EXPECTED OF THE CONTRACTOR, IT IS NOTED THAT SPECIAL CONSIDERATIONS MUST BE GIVEN TO THE FACT THAT CONSTRUCTION ACTIVITY WILL BE TAKING PLACE WITHIN THE CONFINES OF AN ACTIVE AIRPORT. IN THIS REGARD, NO EQUIPMENT OR MATERIAL CAN BE LOCATED SO AS TO OBSTRUCT THE SAFE FLOW OF TRAFFIC ON THE EXISTING RUNWAY AND TAXIWAY SURFACES. PARTICULAR ATTENTION MUST BE GIVEN TO THE USE OF TAXIWAYS FOR THE PURPOSE OF MOVING OR PARKING EQUIPMENT.
2. ALL CONSTRUCTION VEHICLES OPERATING ON AIRPORT PROPERTY MUST DISPLAY AN FAA APPROVED FLAG ON A STAFF OR ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHALL NOT BE LESS THAN THREE FEET SQUARE CONSISTING OF AVIATION ORANGE AND WHITE SQUARES OF NOT LESS THAN A FOOT ON EACH SIDE. ROTATING BEACONS SHALL BE USED AT NIGHT.
3. THE CONTRACTOR'S JOB SUPERINTENDENT IS TO MEET WITH THE PROJECT RESIDENT ENGINEER PRIOR TO THE START OF EACH WORKING DAY TO COORDINATE DAILY CONSTRUCTION ACTIVITIES.
4. ALL INTERRUPTION OF APRON, TAXIWAY OR RUNWAY LIGHTING SHALL BE COORDINATED AND SUBJECT TO THE APPROVAL OF AIRPORT OPERATIONS.
5. THE CONTRACTOR IS TO POST A GUARD AT ALL GATES USED FOR ACCESS OF CONSTRUCTION EQUIPMENT AND/OR PERSONNEL. IF NOT MANNED, GATES MUST BE SECURELY LOCKED.
6. THE ACCESS ROUTES ILLUSTRATED ON THE PLAN ARE TO BE USED FOR ACCESS TO THE WORK AREAS. ALL ACCESS ROADS TO STAGING AREAS AND/OR WORK AREAS ARE TO BE MAINTAINED BY THE CONTRACTOR. THESE ROADS ARE TO BE RETURNED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
7. ANY FINES ASSESSED TO THE AIRPORT DUE TO VIOLATIONS BY THE CONTRACTOR OF FAA SECURITY REQUIREMENTS SHALL BE PAID BY THE CONTRACTOR.
8. ANY FINES ASSESSED TO THE AIRPORT DUE TO VIOLATIONS BY THE CONTRACTOR OF MAINE DEP STORMWATER RUNOFF REQUIREMENTS SHALL BE PAID BY THE CONTRACTOR.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL COMPLY WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2G, THE PROJECT SPECIFICATIONS, AND THE PLANS FOR GUIDANCE ON OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION. ALL DEBRIS DEPOSITED ON ANY AIRPORT PAVEMENT SHALL BE REMOVED CONTINUOUSLY DURING THE COURSE OF WORK. IN ADDITION, THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT MATERIALS FROM ESCAPING FROM THE WORK AND/OR STOCKPILE AREAS. THIS WORK SHALL BE PAID FOR UNDER MAINTENANCE AND PROTECTION OF TRAFFIC, ITEM M-120-1.
2. THE CONTRACTOR SHALL PROVIDE QUALIFIED FLAGGERS WHO ARE RESPONSIBLE FOR THE CONTROL OF MOVEMENT OF THE CONTRACTOR'S EQUIPMENT AND PERSONNEL ACROSS ACTIVE TAXIWAYS, ILS CRITICAL AREAS AND GLIDE SLOPE CRITICAL AREAS AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM M-120-1, MAINTENANCE AND PROTECTION OF TRAFFIC. ANY CLEARANCE GRANTED BY THE AIRPORT MUST BE CONFIRMED BY THE DRIVERS PERSONAL OBSERVATION THAT NO AIRCRAFT IS APPROACHING HIS POSITION AND THAT ALL ACTIVE PAVEMENT CROSSINGS ARE CLEAN. A VACUUM TRUCK SHALL BE KEPT ON SITE TO REMOVE ALL FOREIGN OBJECT DEBRIS (FOD) PAID FOR UNDER MAINTENANCE AND PROTECTION OF TRAFFIC.
3. NOTICE TO AIRMEN (NOTAM) ON ALL CONSTRUCTION ACTIVITIES WILL BE DIRECTED THROUGH THE ENGINEER AND ISSUED BY THE AIRPORT. ALL CLOSURES OF ANY PORTION OF A TAXIWAY OR RUNWAY WILL REQUIRE A MINIMUM OF 72 HOURS NOTICE PRIOR TO THE REQUESTED CLOSURE. REQUESTS FOR CLOSURE MUST BE MADE THROUGH THE ENGINEER AND WILL BE COORDINATED WITH THE AIRPORT. THE AUTHORITY TO CLOSE ANY AIRPORT FACILITY RESTS ENTIRELY WITH THE AIRPORT.
4. ALL UTILITY CONNECTIONS TO THE STAGING AREA ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE PAID FOR UNDER MOBILIZATION, ITEM C-105.
5. ALL CONSTRUCTION EQUIPMENT MUST MAINTAIN A DISTANCE GREATER THAN 44.5 FEET FROM ANY PARKED AIRCRAFT.
6. AT THE COMPLETION OF WORK IN ANY CONSTRUCTION PERIOD, AND PRIOR TO THE SCHEDULED OPENING OF THE DESIGNATED AIRFIELD FACILITY, AN INSPECTION TO DETERMINE WHETHER THE RESPECTIVE AIRPORT FACILITIES ARE IN THE APPROPRIATE CONDITION TO BE OPENED WILL BE PERFORMED BY THE ENGINEER AND A REPRESENTATIVE OF THE AIRPORT. THE CONTRACTOR'S CONSTRUCTION SUPERVISOR MUST BE PRESENT DURING THIS INSPECTION.
7. CONTRACTOR SHALL DESIGNATE ONE PRINCIPAL PERSON AND TWO BACKUP PEOPLE WHO CAN BE CONTACTED 24 HOURS A DAY IN THE EVENT OF AN EMERGENCY. THESE PEOPLE SHALL BE AUTHORIZED TO MAKE DECISIONS ON THE COMPANY'S BEHALF AND MUST PHYSICALLY RESPOND WITHIN ONE HOUR.
8. ACCESS FOR AIRPORT RESCUE AND FIRE FIGHTING EQUIPMENT AND PERSONNEL SHALL BE MAINTAINED AT ALL TIMES. THE AIRPORT RESCUE AND FIRE FIGHTING OPERATIONS SHALL HAVE RIGHT-OF-WAY OVER ALL CONTRACTORS OPERATIONS AT ALL TIMES.
9. A TRAINING SESSION BY THE AIRPORT STAFF OR THE THE ENGINEER WILL BE REQUIRED FOR ALL FLAGMEN, THE PROJECT SUPERINTENDENT, THE PROJECT MANAGER, RESPONSIBLE FOREMAN FOR CONTRACTOR AND SUBCONTRACTORS, AND ALL CONSTRUCTION PERSONNEL TO BE WORKING ON THE PROJECT. ALL CONTRACTORS AND SUBCONTRACTORS PERSONNEL SHALL BE TRAINED REGARDING THE IMPORTANCE OF FOLLOWING THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), INSPECTION OF THE WORK AREA FOR COMPLIANCE WITH THE CSPP, AND THE SAFE DISPOSAL OF TRASH.
10. ATTENTION IS DIRECTED TO THE DATUM USED IN THESE PLANS. ALL BENCHMARK AND CONSTRUCTION ELEVATIONS SHOWN IN THESE PLANS ARE FROM A USGS DATUM, NAVD 88.
11. THE CONTRACTOR SHALL FURNISH AND PLACE THREE 2"x4" WOOD MARKERS AT LOCATIONS OF EXISTING MONUMENTS TO REMAIN AS INDICATED ON THE PLANS OR AS ORDERED BY THE ENGINEER. THE 2"x4" MARKERS SHALL BE 4' LONG AND SHALL BE FIRMLY EMBEDDED 18" INTO THE GROUND.
12. HORIZONTAL & VERTICAL CONTROL AS INDICATED ON SHEET G-3.

Table with 2 columns: Symbol and Description. Includes symbols for existing beacons, treelines, trees, valves, fire hydrants, survey points, electrical handholes, junction cans, guidance signs, runway edge lights, taxiway edge lights, base mounted lights, stake mounted lights, unknown structures, catch basins, utility poles, cable duct markers, precision approach paths, airfield base lights, ground rods, copper counterpoise, electrical utility, duct banks, painted markings, drainage pipes, fences, boring locations, oil water separators, and unlighted guidance signs.

EXISTING LEGEND

Table with 2 columns: Symbol and Description. Includes symbols for localizer critical area, runway object free area, runway obstacle free area, runway safety area, runway protection zone, and taxiway object free area.

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY
NOT TO BE USED FOR CONSTRUCTION

ABBREVIATIONS:

Table with 4 columns: Abbreviation, Full Name, Abbreviation, Full Name. Lists various engineering and construction abbreviations such as A/P AIRPORT, AC ACRES, ACC ACCESS, etc.

Vertical sidebar containing project information: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, AUGUSTA STATE AIRPORT, BID DOCUMENTS, KENNEBEC COUNTY, AUGUSTA, GENERAL NOTES, SHEET NUMBER 2, OF 62. Includes a signature block for Matthew I. O'Brien and a circular seal of the State of Maine Professional Engineer.

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEV.	RAW DESCRIPTION
CP-1	544588.153	1134394.382	317.72	SACS MONUMENT A
CP-2	542896.298	1135821.250	356.04	PACS MONUMENT D
CP-3	540571.726	1135982.874	342.22	SACS MONUMENT B
CP-500	545211.479	1133756.908	310.73	RUNWAY 17 END NAIL
CP-501	540767.422	1136051.298	347.20	RUNWAY 35 END NAIL
CP-502	541474.109	1135319.920	349.42	RUNWAY 8 END NAIL
CP-1004	542715.266	1137619.284	351.65	RUNWAY 26 END NAIL

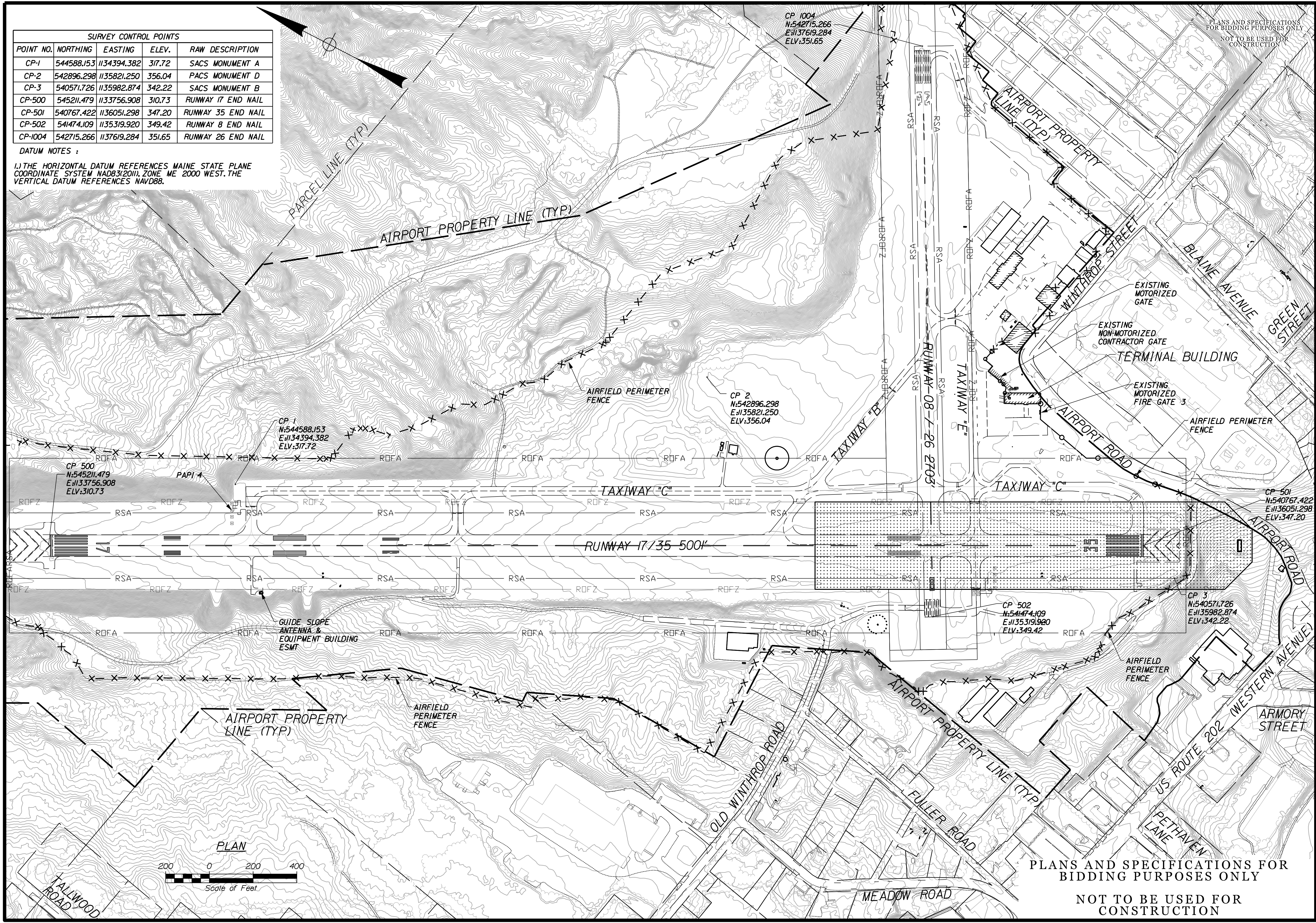
DATUM NOTES :
 1.) THE HORIZONTAL DATUM REFERENCES MAINE STATE PLANE COORDINATE SYSTEM NAD83(2011), ZONE ME 2000 WEST. THE VERTICAL DATUM REFERENCES NAVD88.

Date: 4/12/2021

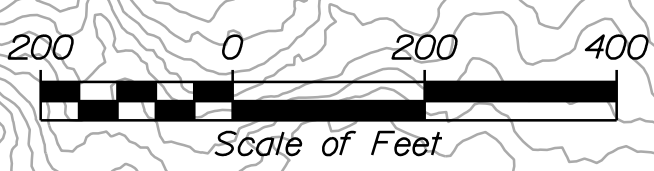
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Division:

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PLAN



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY
 NOT TO BE USED FOR CONSTRUCTION

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN SPINNUMBERS FAA AIP 3-23-0003-XXX-2021

	SIGNATURE	DATE
	MATTHEW I. O'BRIEN	04-12-2021


PROJ. MANAGER	T. LESIEGE	BY	DATE
CHECKED/REVIEWED	M. O'BRIEN		
DESIGNED/DETAILS	R. LUCHINI		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
GENERAL PLAN AND AIRFIELD SURVEY CONTROL

SHEET NUMBER
3
OF 62

BASE BID			
Bid Item	Description Of Item	Unit	Quantity
M-120-1	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1
M-150-1	PROJECT SURVEY AND STAKEOUT	LS	1
C-100	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1
C-102-5.1a	TEMPORARY SEEDING AND MULCHING	SY	1,500
C-102-5.1b	INSTALLATION AND REMOVAL OF INLET PROTECTION	EA	21
C-102-5.1c	STABILIZED CONSTRUCTION ENTRANCE	EA	1
C-102-5.1e	INSTALLATION AND REMOVAL OF SILTFENCE	LF	2,300
C-105	MOBILIZATION (Limited to 5%)	LS	1
P-101-5.6	COLD MILLING	SY	900
P-101-5.7	REMOVAL OF PIPE AND OTHER BURIED STRUCTURES	LS	1
P-152-4.1a	UNCLASSIFIED EXCAVATION	CY	2,331
P-152-4.1c	MUCK EXCAVATION	CY	250
P-207-5.1	IN-PLACE FULL DEPTH RECYCLED (FDR) ASPHALT AGGREGATE BASE COURSE	SY	12,100
P-207-5.2	CORRECTIVE AGGREGATE MATERIAL	TON	1,900
P-401-8.1	ASPHALT SURFACE COURSE	TON	3,600
P-603-5.1	EMULSIFIED ASPHALT TACK COAT	GAL	1,300
P-605-5.1	JOINT SEALANT FOR PAVEMENTS	LF	1,400
P-620-5.1a	SURFACE PREPERATION (MARKING REMOVAL)	SF	1,400
P-620-5.2b	SURFACE PAVEMENT MARKINGS	SF	7,500
P-620-5.3c	REFLECTIVE MEDIA	LB	450
D-700-1	DRAINAGE SYSTEM REPAIRS	LS	1
D-700-2	INLET ADJUSTMENT	EA	2
D-700-3	FRAME & GRATE	EA	2
D-701-5.1	12" REINFORCED CONCRETE PIPE	LF	160
D-705-5.1	6" UNDERDRAIN PIPE COMPLETE, INCLUDING POROUS BACKFILL AND FILTER FABRIC	LF	3,650
D-751-5.4	INSPECTION HOLE	EA	20
T-901-5.1	SEEDING	1KSF	116
T-905-5.1	TOPSOIL (OBTAINED ON SITE)	CY	750
T-905-5.2	TOPSOIL (OBTAINED OFF SITE)	CY	750
T-908-5.1	MULCHING	SY	13,500
L-108-5.2	NO. 8 AWG, 5KV, L-824, TYPE C CABLE, INSTALLED IN TRENCH, DUCT BANK OR CONDUIT	LF	7,400
L-108-5.3	NO. 6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED IN TRENCH, INCLUDING CONNECTIONS/TERMINATIONS	LF	4,900
L-109-7.2	INSTALLATION OF AIRPORT TRANSFORMER VAULT EQUIPMENT IN PALCE - EXISTING VAULT	LS	1
L-110-5.1	NON-ENCASED ELECTRICAL DUCT BANK, 1-WAY 2 INCH	LF	4,600
L-110-5.2	CONCRETE ENCASED ELECTRICAL DUCT BANK, 4-WAY 4 INCH, 24" MINIMUM COVERAGE	LF	300
L-110-5.3	CONCRETE ENCASED ELECTRICAL DUCT BANK, 4-WAY 4 INCH, 48" MINIMUM COVERAGE	LF	40
L-115-5.2	ELECTRICAL JUNCTION STRUCTURE 4' x 4'	EA	7
L-115-5.3	EXISTING ELECTRICAL MANHOLE/JUNCTION STRUCTURE ELEVATION ADJUSTMENT	EA	6
L-125-5.1	L-861 BASE MOUNTED LED ELEVATED TAXIWAY EDGE LIGHT	EA	75
L-125-5.2	L-861 STAKE MOUNTED LED ELEVATED TAXIWAY EDGE LIGHT	EA	17
L-125-5.4	AIRFIELD GUIDANCE SIGN ON FOUNDATION - 1 Mod.	EA	1
L-125-5.5	AIRFIELD GUIDANCE SIGN ON FOUNDATION - 3 Mod.	EA	9

Add. Alt #1			
Bid Item	Description Of Item	Unit	Quantity
P-152-4.1a_A	UNCLASSIFIED EXCAVATION	CY	50
P-207-5.1_A	IN-PLACE FULL DEPTH RECYCLED (FDR) ASPHALT AGGREGATE BASE COURSE	SY	1,800
P-207-5.2_A	CORRECTIVE AGGREGATE MATERIAL	TON	300
P-401-8.1_A	ASPHALT SURFACE COURSE	TON	600
P-603-5.1_A	EMULSIFIED ASPHALT TACK COAT	GAL	200
P-620-5.2b_A	SURFACE PAVEMENT MARKINGS	SF	1,100
T-901-5.1_A	SEEDING	1KSF	-5
T-905-5.1_A	TOPSOIL (OBTAINED ON SITE)	CY	-30
T-905-5.2_A	TOPSOIL (OBTAINED OFF SITE)	CY	-30
T-908-5.1_A	MULCHING	SY	-540
L-125-5.1_A	L-861 BASE MOUNTED LED ELEVATED TAXIWAY EDGE LIGHT	EA	6

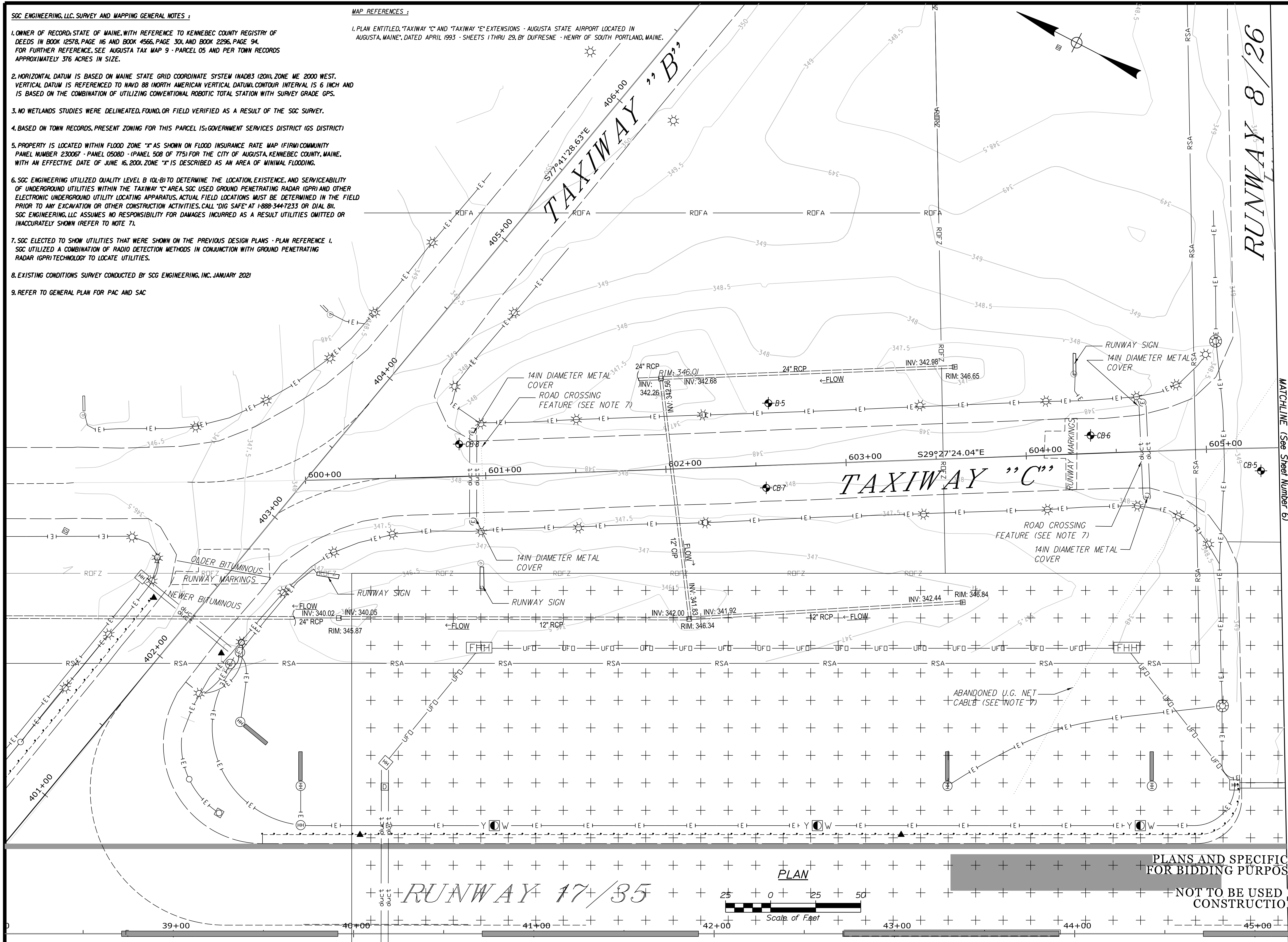
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		FAA AIP: 3-23-0003-XXX-2021		WIN \$PINUMBERS FAA A.I.P. 3-23-0003-XXX-2021	
		MATHIEW I. O'BRIEN SIGNATURE		12842 P.E. NUMBER	
DATE		BY		DATE	
T. LESIEGE		M. O'BRIEN		04-12-2021	
DESIGN-DETAILED		CHECKED-REVIEWED		REVISIONS 1	
DESIGNS-DETAILED		DESIGNS-DETAILED		REVISIONS 2	
REVISIONS 1		REVISIONS 3		REVISIONS 4	
REVISIONS 2		REVISIONS 4		FIELD CHANGES	
AUGUSTA STATE AIRPORT BID DOCUMENTS		KENNEBEC COUNTY		ITEM LIST AND QUANTITY NOTES	
AUGUSTA		SHEET NUMBER		4	
PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY		NOT TO BE USED FOR CONSTRUCTION		OF 62	

SGC ENGINEERING, LLC, SURVEY AND MAPPING GENERAL NOTES :

- OWNER OF RECORD: STATE OF MAINE, WITH REFERENCE TO KENNEBEC COUNTY REGISTRY OF DEEDS IN BOOK 12578, PAGE 116 AND BOOK 4566, PAGE 301, AND BOOK 2296, PAGE 94. FOR FURTHER REFERENCE, SEE AUGUSTA TAX MAP 9 - PARCEL 05 AND PER TOWN RECORDS APPROXIMATELY 376 ACRES IN SIZE.
- HORIZONTAL DATUM IS BASED ON MAINE STATE GRID COORDINATE SYSTEM (NAD83 (2011), ZONE ME 2000 WEST. VERTICAL DATUM IS REFERENCED TO NAVD 88 (NORTH AMERICAN VERTICAL DATUM). CONTOUR INTERVAL IS 6 INCH AND IS BASED ON THE COMBINATION OF UTILIZING CONVENTIONAL ROBOTIC TOTAL STATION WITH SURVEY GRADE GPS.
- NO WETLANDS STUDIES WERE DELINEATED, FOUND, OR FIELD VERIFIED AS A RESULT OF THE SGC SURVEY.
- BASED ON TOWN RECORDS, PRESENT ZONING FOR THIS PARCEL IS: GOVERNMENT SERVICES DISTRICT (GS DISTRICT)
- PROPERTY IS LOCATED WITHIN FLOOD ZONE "X" AS SHOWN ON FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 230067 - PANEL 0508D - (PANEL 508 OF 775) FOR THE CITY OF AUGUSTA, KENNEBEC COUNTY, MAINE, WITH AN EFFECTIVE DATE OF JUNE 16, 2001. ZONE "X" IS DESCRIBED AS AN AREA OF MINIMAL FLOODING.
- SGC ENGINEERING UTILIZED QUALITY LEVEL B (OL-B) TO DETERMINE THE LOCATION, EXISTENCE, AND SERVICEABILITY OF UNDERGROUND UTILITIES WITHIN THE TAXIWAY "C" AREA. SGC USED GROUND PENETRATING RADAR (GPR) AND OTHER ELECTRONIC UNDERGROUND UTILITY LOCATING APPARATUS. ACTUAL FIELD LOCATIONS MUST BE DETERMINED IN THE FIELD PRIOR TO ANY EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES. CALL "DIG SAFE" AT 1-888-344-7233 OR DIAL 811. SGC ENGINEERING, LLC ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT UTILITIES OMITTED OR INACCURATELY SHOWN (REFER TO NOTE 7).
- SGC ELECTED TO SHOW UTILITIES THAT WERE SHOWN ON THE PREVIOUS DESIGN PLANS - PLAN REFERENCE I. SGC UTILIZED A COMBINATION OF RADIO DETECTION METHODS IN CONJUNCTION WITH GROUND PENETRATING RADAR (GPR) TECHNOLOGY TO LOCATE UTILITIES.
- EXISTING CONDITIONS SURVEY CONDUCTED BY SGC ENGINEERING, INC. JANUARY 2021
- REFER TO GENERAL PLAN FOR PAC AND SAC

MAP REFERENCES :

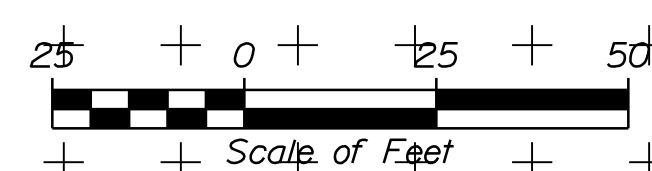
I. PLAN ENTITLED, "TAXIWAY 'C' AND 'E' EXTENSIONS - AUGUSTA STATE AIRPORT LOCATED IN AUGUSTA, MAINE", DATED APRIL 1993 - SHEETS 1 THRU 29, BY DUFRESNE - HENRY OF SOUTH PORTLAND, MAINE.



RUNWAY 8/26

MATCHLINE (See Sheet Number 6)

PLAN



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\Exist_Conditions_1.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN SPINNUMBERS
FAA A.I.P. 3-23-0003-XXX-2021



MATTHEW I. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	T. LESIEGE	BY	DATE
CHECKED/REVIEWED	M. O'BRIEN		
DESIGNS DETAILLED	R. LUCHINI		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
EXISTING CONDITIONS PLAN
(1 OF 4)

SHEET NUMBER

5

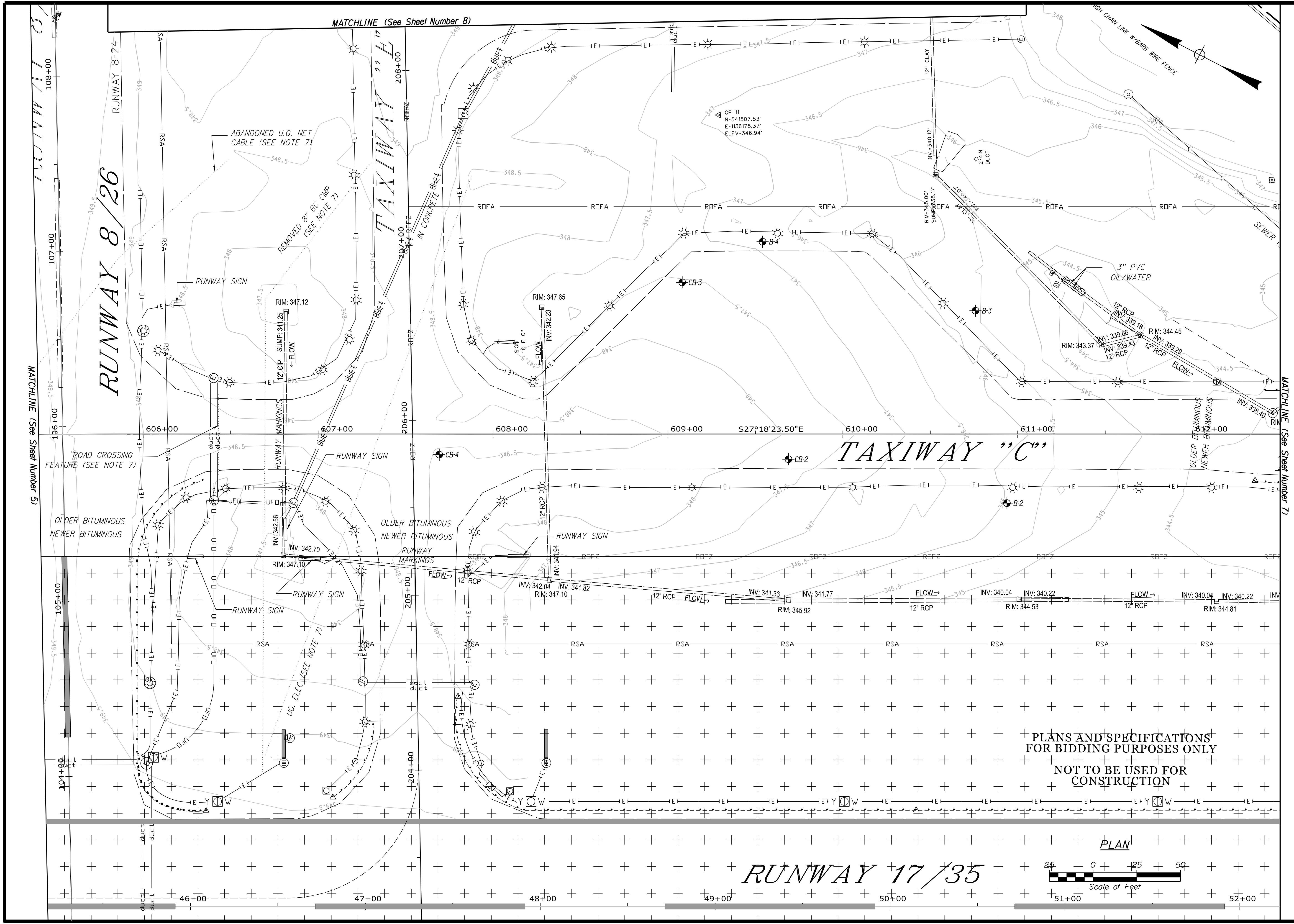
OF 62

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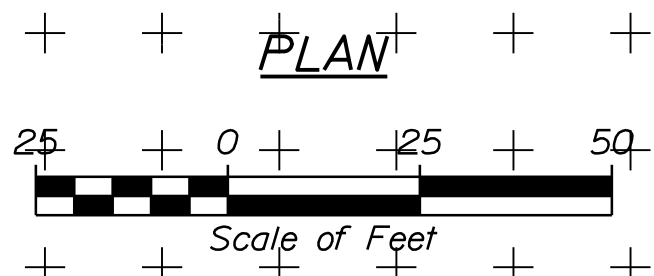
Division:

Username: rluchini

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NOT TO BE USED FOR
CONSTRUCTION



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		FAA AIP: 3-23-0003-XXX-2021		WIN \$PINNUMBERS FAA AIP 3-23-0003-XXX-2021	
AUGUSTA STATE AIRPORT BID DOCUMENTS		KENNEBEC COUNTY		AUGUSTA	
EXISTING CONDITIONS PLAN		(2 OF 4)		SHEET NUMBER	
6		OF 62		PROJ. MANAGER T. LESIEGE	
DATE		BY		SIGNATURE	
M. O'BRIEN		M. O'BRIEN		12842	
P.E. NUMBER		DATE		04-12-2021	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		FIELD CHANGES			

Date: 4/12/2021

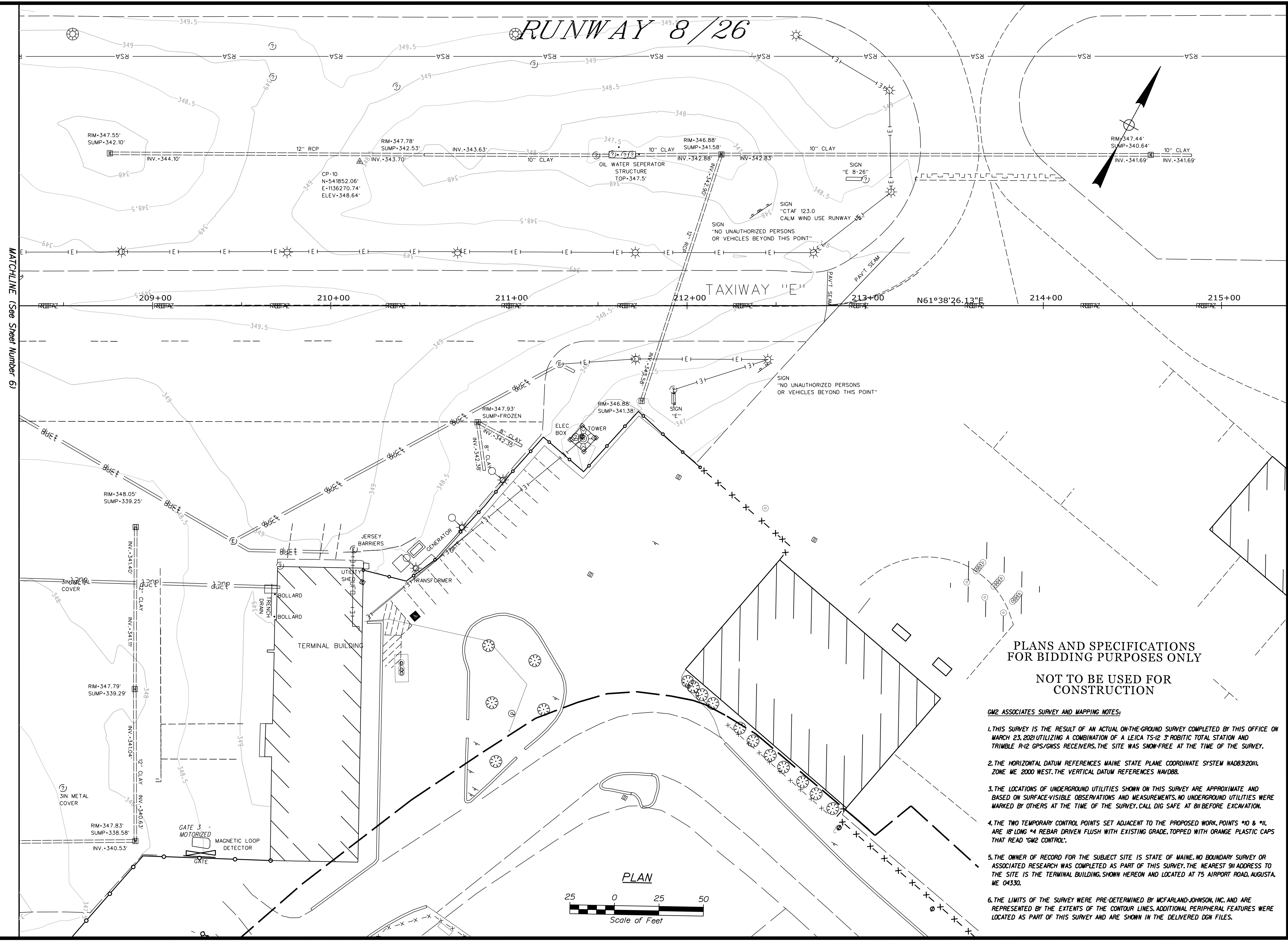
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Division:

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MATCHLINE (See Sheet Number 6)

RUNWAY 8/26



**PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY**

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GM2 ASSOCIATES SURVEY AND MAPPING NOTES:

1. THIS SURVEY IS THE RESULT OF AN ACTUAL ON-THE-GROUND SURVEY COMPLETED BY THIS OFFICE ON MARCH 23, 2021 UTILIZING A COMBINATION OF A LEICA TS-12 3" ROBOTTIC TOTAL STATION AND TRIMBLE R-12 GPS/GNSS RECEIVERS. THE SITE WAS SNOW-FREE AT THE TIME OF THE SURVEY.
2. THE HORIZONTAL DATUM REFERENCES MAINE STATE PLANE COORDINATE SYSTEM NAD83/2011, ZONE ME 2000 WEST. THE VERTICAL DATUM REFERENCES NAVD83.
3. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS SURVEY ARE APPROXIMATE AND BASED ON SURFACE-VISIBLE OBSERVATIONS AND MEASUREMENTS. NO UNDERGROUND UTILITIES WERE MARKED BY OTHERS AT THE TIME OF THE SURVEY. CALL DIG SAFE AT 811 BEFORE EXCAVATION.
4. THE TWO TEMPORARY CONTROL POINTS SET ADJACENT TO THE PROPOSED WORK, POINTS #10 & #11, ARE 18" LONG #4 REBAR DRIVEN FLUSH WITH EXISTING GRADE, TOPPED WITH ORANGE PLASTIC CAPS THAT READ "GM2 CONTROL".
5. THE OWNER OF RECORD FOR THE SUBJECT SITE IS STATE OF MAINE. NO BOUNDARY SURVEY OR ASSOCIATED RESEARCH WAS COMPLETED AS PART OF THIS SURVEY. THE NEAREST 911 ADDRESS TO THE SITE IS THE TERMINAL BUILDING, SHOWN HEREON AND LOCATED AT 75 AIRPORT ROAD, AUGUSTA, ME 04330.
6. THE LIMITS OF THE SURVEY WERE PRE-DETERMINED BY MCFARLAND-JOHNSON, INC. AND ARE REPRESENTED BY THE EXTENTS OF THE CONTOUR LINES. ADDITIONAL PERIPHERAL FEATURES WERE LOCATED AS PART OF THIS SURVEY AND ARE SHOWN IN THE DELIVERED DGN FILES.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIGEE
CHECKED-DETAILED: M. O'BRIEN
DESIGN-DETAILED: R. LUCHINI
REVISIONS 1: P.E. NUMBER 04-12-2021
REVISIONS 2: DATE
REVISIONS 3: DATE
REVISIONS 4: DATE
FIELD CHANGES: DATE

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
EXISTING CONDITIONS PLAN
(4 OF 4)

SHEET NUMBER
8
OF 62

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\CSPP 200 Overview.dgn

WORK AREA IA - STA. 600-26 TO STA. 600-97

- DESCRIPTION OF WORK - WORK AREA IA
 - INSTALL SAFETY EQUIPMENT AND BARRICADES FOR AREA CLOSURE AND MOBILIZE ON SITE
 - SAW CUT PAVEMENT, MILL AND REMOVE EXISTING PAVEMENT
 - COMPACT EXISTING BASE GRAVEL
 - INSTALL BITUMINOUS CONCRETE PAVEMENT
 - SAW AND SEAL JOINTS
 - INSTALL TOPSOIL AND SEED
 - INSTALL PAVEMENT MARKINGS

- OPERATIONAL IMPACTS - WORK AREA IA
 - RUNWAY 17-35 - OPEN
 - RUNWAY 8-26 - OPEN
 - RUNWAY 35 GPS - ACTIVE
 - RUNWAY 17 ILS/LOCALIZER - ACTIVE
 - TAXIWAY C - PARTIALLY CLOSED
 - LOW PROFILE BARRICADES
 - MARKING REMOVAL
 - COVER LIGHTS AND LIGHTED SIGNS
 - TAXIWAY CI - OPEN
 - TAXIWAY B - CLOSED
 - TAXIWAY E - OPEN
 - TAXIWAY F - OPEN
 - GATE 4 - GATE GUARD REQUIRED
 - CONTRACTOR ACCESS GATE - GATE GUARD REQUIRED
 - TERMINAL APRON - VEHICLE ACCESS ONLY
 - WORK AREA IA CANNOT BE CONCURRENT WITH WORK AREAS 2 & 4

WORK AREA 1 - STA. 203-70 TO STA. 205-20

- DESCRIPTION OF WORK - WORK AREA 1
 - INSTALL SAFETY EQUIPMENT AND BARRICADES FOR AREA CLOSURE AND MOBILIZE ON SITE
 - SAW CUT PAVEMENT, RECLAIM EXISTING PAVEMENT INTO NEW GRAVEL BASE
 - ADD SUPPLEMENTAL STONE AND RECLAIM INTO NEW BASE MATERIAL
 - INSTALL NEW LIGHTING CONDUIT, DUCT BANKS, CABLING, FIXTURES AND SIGNS
 - INSTALL UNDERDRAIN, CATCH BASINS, CULVERTS, AND ADJUST FRAMES AND GRATES
 - COMPACT AND FINE GRADE NEW GRAVEL BASE
 - INSTALL BITUMINOUS CONCRETE PAVEMENT
 - SAW AND SEAL JOINTS
 - INSTALL TOPSOIL AND SEED
 - INSTALL PAVEMENT MARKINGS

- OPERATIONAL IMPACTS - WORK AREA 1
 - RUNWAY 17-35 - CLOSED
 - LIGHTED X'S
 - RUNWAY 8-26 - OPEN
 - RUNWAY 35 GPS - INACTIVE
 - RUNWAY 17 ILS/LOCALIZER - INACTIVE
 - TAXIWAY C - OPEN
 - TAXIWAY CI - OPEN
 - TAXIWAY B - OPEN
 - TAXIWAY E - PARTIALLY CLOSED
 - TAXIWAY F - OPEN
 - GATE 4 - GATE GUARD REQUIRED
 - CONTRACTOR ACCESS GATE - GATE GUARD REQUIRED
 - TERMINAL APRON - VEHICLE ACCESS ONLY
 - WORK AREA 1 SHALL BE PERFORMED OVERNIGHT
 - ONLY NIGHT CLOSURES REQUIRE 30 DAY NOTICE TO FAA
 - WORK AREA 1 CANNOT BE CONCURRENT WITH WORK AREAS IA & 2

WORK AREA IB - STA. 600-97 TO STA. 604-29

- DESCRIPTION OF WORK - WORK AREA IB
 - INSTALL SAFETY EQUIPMENT AND BARRICADES FOR AREA CLOSURE AND MOBILIZE ON SITE
 - SAW CUT PAVEMENT, RECLAIM EXISTING PAVEMENT INTO NEW GRAVEL BASE
 - ADD SUPPLEMENTAL STONE AND RECLAIM INTO NEW BASE MATERIAL
 - INSTALL UNDERDRAIN, CATCH BASINS, CULVERTS, AND ADJUST FRAMES AND GRATES
 - INSTALL NEW LIGHTING CONDUIT, DUCT BANKS, CABLING, FIXTURES AND SIGNS
 - COMPACT AND FINE GRADE NEW GRAVEL BASE
 - INSTALL BITUMINOUS CONCRETE PAVEMENT
 - SAW AND SEAL JOINTS
 - INSTALL TOPSOIL AND SEED
 - INSTALL PAVEMENT MARKINGS

- OPERATIONAL IMPACTS - WORK AREA IB
 - RUNWAY 17-35 - OPEN
 - RUNWAY 8-26 - OPEN
 - RUNWAY 35 GPS - ACTIVE
 - RUNWAY 17 ILS/LOCALIZER - ACTIVE
 - TAXIWAY C - PARTIALLY CLOSED
 - LOW PROFILE BARRICADES
 - MARKING REMOVAL
 - COVER LIGHTS AND LIGHTED SIGNS
 - TAXIWAY CI - OPEN
 - TAXIWAY B - OPEN
 - TAXIWAY E - OPEN
 - TAXIWAY F - OPEN
 - GATE 4 - GATE GUARD REQUIRED
 - CONTRACTOR ACCESS GATE - GATE GUARD REQUIRED
 - TERMINAL APRON - VEHICLE ACCESS ONLY
 - WORK AREA IB SHALL BE COMPLETED CONCURRENTLY WITH OTHER PHASES

- STANDARD HOURS
 - DAYTIME BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY
 - NIGHTTIME MAY BE PERMITTED UPON PRIOR WRITTEN APPROVAL FROM THE ENGINEER AND AUGUSTA STATE AIRPORT
 - WEEKEND WORK MAY BE PERMITTED UPON PRIOR WRITTEN APPROVAL FROM THE ENGINEER AND AUGUSTA STATE AIRPORT

WORK AREA 2 - STA. 604-29 TO STA. 605-28 AND STA. 605-91 TO STA. 606-79

- DESCRIPTION OF WORK - WORK AREA 2
 - INSTALL SAFETY EQUIPMENT AND BARRICADES FOR AREA CLOSURE AND MOBILIZE ON SITE
 - SAW CUT PAVEMENT, RECLAIM EXISTING PAVEMENT INTO NEW GRAVEL BASE
 - ADD SUPPLEMENTAL STONE AND RECLAIM INTO NEW BASE MATERIAL
 - INSTALL UNDERDRAIN, CATCH BASINS, CULVERTS, AND ADJUST FRAMES AND GRATES
 - INSTALL NEW LIGHTING CONDUIT, DUCT BANKS, CABLING, FIXTURES AND SIGNS
 - COMPACT AND FINE GRADE NEW GRAVEL BASE
 - INSTALL BITUMINOUS CONCRETE PAVEMENT
 - SAW AND SEAL JOINTS
 - INSTALL TOPSOIL AND SEED
 - INSTALL PAVEMENT MARKINGS

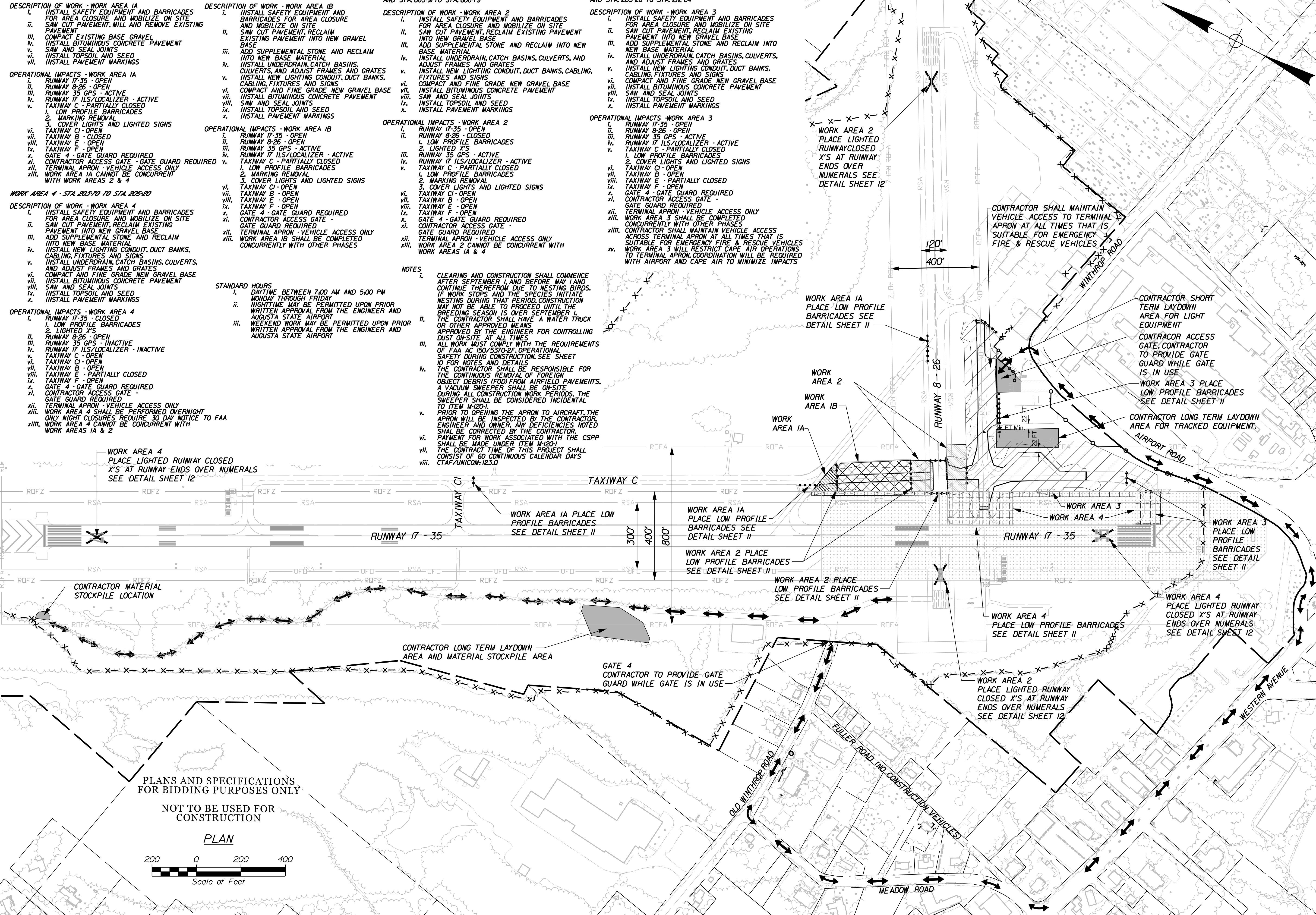
- OPERATIONAL IMPACTS - WORK AREA 2
 - RUNWAY 17-35 - OPEN
 - RUNWAY 8-26 - CLOSED
 - LOW PROFILE BARRICADES
 - LIGHTED X'S
 - RUNWAY 35 GPS - ACTIVE
 - RUNWAY 17 ILS/LOCALIZER - ACTIVE
 - TAXIWAY C - PARTIALLY CLOSED
 - LOW PROFILE BARRICADES
 - MARKING REMOVAL
 - COVER LIGHTS AND LIGHTED SIGNS
 - TAXIWAY CI - OPEN
 - TAXIWAY B - OPEN
 - TAXIWAY E - OPEN
 - TAXIWAY F - OPEN
 - GATE 4 - GATE GUARD REQUIRED
 - CONTRACTOR ACCESS GATE - GATE GUARD REQUIRED
 - TERMINAL APRON - VEHICLE ACCESS ONLY
 - WORK AREA 2 CANNOT BE CONCURRENT WITH WORK AREAS IA & 4

- NOTES
 - CLEARING AND CONSTRUCTION SHALL COMMENCE AFTER SEPTEMBER 1, AND BEFORE MAY 1 AND CONTINUE THEREFROM DUE TO NESTING BIRDS. IF WORK STOPS AND THE SPECIES INITIATE NESTING DURING THAT PERIOD, CONSTRUCTION MAY NOT BE ABLE TO PROCEED UNTIL THE BREEDING SEASON IS OVER SEPTEMBER 1. THE CONTRACTOR SHALL HAVE A WATER TRUCK OR OTHER APPROVED MEANS APPROVED BY THE ENGINEER FOR CONTROLLING DUST ON-SITE AT ALL TIMES.
 - ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF FAA AC 150/5370-2F, OPERATIONAL SAFETY DURING CONSTRUCTION. SEE SHEET 10 FOR NOTES AND DETAILS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS REMOVAL OF FOREIGN OBJECT DEBRIS (FOD) FROM AIRFIELD PAVEMENTS. A VACUUM SWEEPER SHALL BE ON-SITE DURING ALL CONSTRUCTION WORK PERIODS. THE SWEEPER SHALL BE CONSIDERED INCIDENTAL TO ITEM M-120-1.
 - PRIOR TO OPENING THE APRON TO AIRCRAFT, THE APRON WILL BE INSPECTED BY THE CONTRACTOR, ENGINEER AND OWNER. ANY DEFICIENCIES NOTED SHALL BE CORRECTED BY THE CONTRACTOR. PAYMENT FOR WORK ASSOCIATED WITH THE CSPP SHALL BE MADE UNDER ITEM M-120-1.
 - THE CONTRACT TIME OF THIS PROJECT SHALL CONSIST OF 60 CONTINUOUS CALENDAR DAYS CTAF/JUNICOM:123.0

WORK AREA 3 - STA. 606-79 TO STA. 613-96 AND STA. 205-20 TO STA. 212-84

- DESCRIPTION OF WORK - WORK AREA 3
 - INSTALL SAFETY EQUIPMENT AND BARRICADES FOR AREA CLOSURE AND MOBILIZE ON SITE
 - SAW CUT PAVEMENT, RECLAIM EXISTING PAVEMENT INTO NEW GRAVEL BASE
 - ADD SUPPLEMENTAL STONE AND RECLAIM INTO NEW BASE MATERIAL
 - INSTALL UNDERDRAIN, CATCH BASINS, CULVERTS, AND ADJUST FRAMES AND GRATES
 - INSTALL NEW LIGHTING CONDUIT, DUCT BANKS, CABLING, FIXTURES AND SIGNS
 - COMPACT AND FINE GRADE NEW GRAVEL BASE
 - INSTALL BITUMINOUS CONCRETE PAVEMENT
 - SAW AND SEAL JOINTS
 - INSTALL TOPSOIL AND SEED
 - INSTALL PAVEMENT MARKINGS

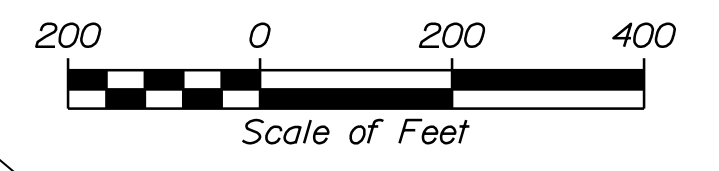
- OPERATIONAL IMPACTS - WORK AREA 3
 - RUNWAY 17-35 - OPEN
 - RUNWAY 8-26 - OPEN
 - RUNWAY 35 GPS - ACTIVE
 - RUNWAY 17 ILS/LOCALIZER - ACTIVE
 - TAXIWAY C - PARTIALLY CLOSED
 - LOW PROFILE BARRICADES
 - COVER LIGHTS AND LIGHTED SIGNS
 - TAXIWAY CI - OPEN
 - TAXIWAY B - OPEN
 - TAXIWAY E - PARTIALLY CLOSED
 - TAXIWAY F - OPEN
 - GATE 4 - GATE GUARD REQUIRED
 - CONTRACTOR ACCESS GATE - GATE GUARD REQUIRED
 - TERMINAL APRON - VEHICLE ACCESS ONLY
 - WORK AREA 3 SHALL BE COMPLETED CONCURRENTLY WITH OTHER PHASES
 - CONTRACTOR SHALL MAINTAIN VEHICLE ACCESS ACROSS TERMINAL APRON AT ALL TIMES THAT IS SUITABLE FOR EMERGENCY FIRE & RESCUE VEHICLES
 - WORK AREA 3 WILL RESTRICT CAPE AIR OPERATIONS TO TERMINAL APRON. COORDINATION WILL BE REQUIRED WITH AIRPORT AND CAPE AIR TO MINIMIZE IMPACTS



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

PLAN



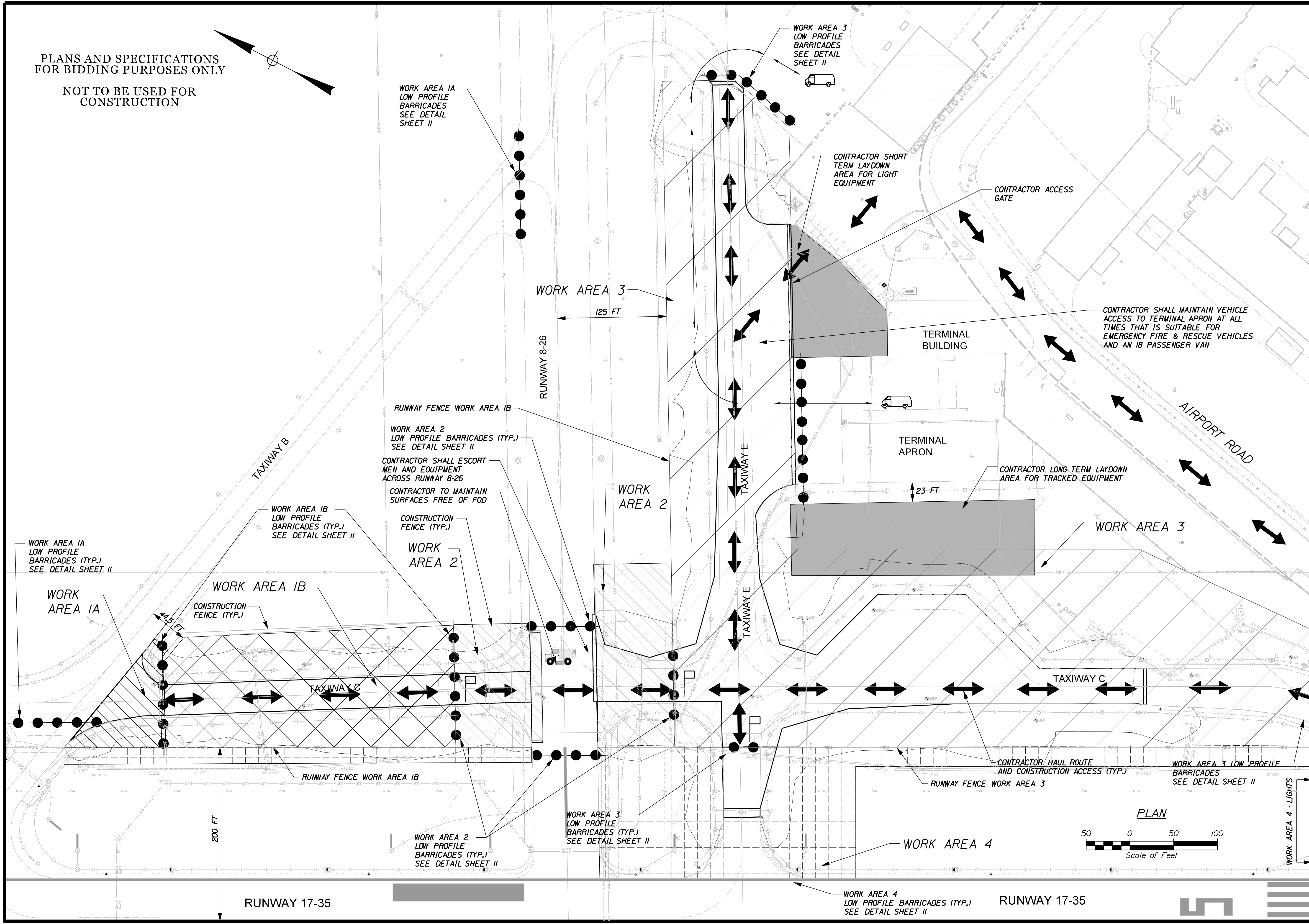
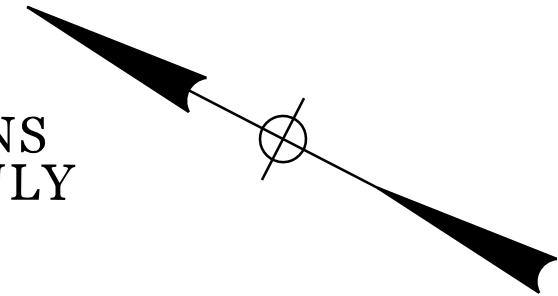
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN SPINNUMBERS
FAA AIP 3-23-0003-XXX-2021

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
CONSTRUCTION SAFETY AND PHASING PLAN OVERVIEW

PROJ. MANAGER	DATE	BY	T. LESIGEE
MATTHEW I. O'BRIEN <td></td> <td></td> <td></td>			
CHECKED/REVIEWED	DATE	SIGNATURE	
M. O'BRIEN			
DESIGN/DETAILS	DATE	P.E. NUMBER	
R. LUCHINI		12842	
REVISIONS	DATE	REVISIONS	FIELD CHANGES
1	04-12-2021		
2			
3			
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PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
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Date: 4/12/2021

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Division:

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN
FAA AIP 3-23-0003-XXX-2020655.03
BRIDGE PLANS



MATTHEW I. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	T. LESIGE
CHECKED/DESIGNED		M. O'BRIEN	
DESIGNED/REVIEWED		R. LUCHINI	
DESIGNED/TAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
CONSTRUCTION SAFETY AND
PHASING PLAN

SHEET NUMBER
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OF 62

Date: 4/12/2021

Username: rluchini

Division:

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CONSTRUCTION SAFETY AND PHASING NOTES:

1. THE CONTRACTOR SHALL SUBMIT A WRITTEN SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE ENGINEER, MAINEDOT, AND FAA FOR REVIEW AND APPROVAL PRIOR TO MOBILIZATION AND BEFORE ANY CONSTRUCTION IS ALLOWED TO BE PERFORMED...

- IDENTIFICATION AND QUALIFICATIONS OF DEDICATED SAFETY & SECURITY POINT OF CONTACT
WORK SCHEDULING, COORDINATION, AND NOTIFICATION PROCEDURES OF CONSTRUCTION ACTIVITIES.
AIRFIELD COMMUNICATIONS AND 24-HOUR EMERGENCY NOTIFICATION PROCEDURES.

2. THESE SAFETY AND PHASING PLANS HAVE BEEN APPROVED BY AUG AIRPORT OPERATIONS, COMBINING, MODIFYING, OR ALTERNATING PHASES/SUBPHASES WITHOUT APPROVAL OF AUG AIRPORT OPERATIONS THROUGH THE ENGINEER WILL NOT BE ALLOWED...

3. ALL OF THE CONTRACTOR'S AND SUBCONTRACTOR'S EMPLOYEES SHALL HAVE A 'TAILGATE' SAFETY MEETING EVERY SHIFT CHANGE OR START OF EACH DAY PRIOR TO ANY WORK WITH THE ENGINEER AND AUG OPERATIONS TO REVIEW THE DAY'S WORK AND SAFETY PROCEDURES...

4. THE CONTRACTOR SHALL PROVIDE A COMPETENT SAFETY PERSON (WHO ALSO COULD BE THE SUPERINTENDENT OR OTHER SUPERVISORY PERSON) FAMILIAR WITH AIRPORT SAFETY TO MONITOR CONSTRUCTION ACTIVITIES...

5. THE CONTRACTOR SHALL PROVIDE A POINT OF CONTACT TO THE OWNER AND ENGINEER WHO CAN BE CONTACTED AT ANY TIME THROUGHOUT THE COURSE OF THE CONTRACT...

6. UPON RECEIPT OF APPROVAL FOR A CLOSURE AND BEFORE EQUIPMENT ENTERS THE AIRFIELD AND CONSTRUCTION COMMENCES, THE WORK AREA SHALL BE SECURED...

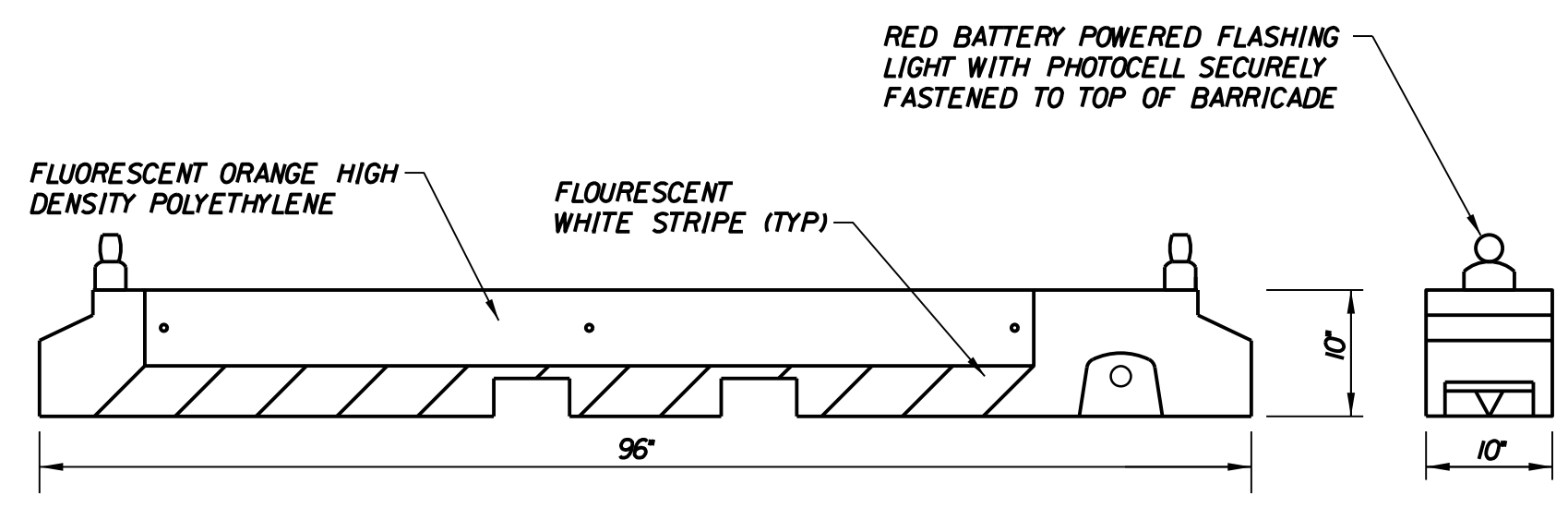
7. CONSTRUCTION SIGNS (I.E. "CONSTRUCTION TRAFFIC" WITH ARROWS, "NO UNAUTHORIZED VEHICLES BEYOND THIS POINT" OR OTHER STANDARD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICE (MUTCD) SIGNS) SHALL BE LOCATED AT THE WORK AREA EGRESS/INGRESS POINTS...

8. THE CONTRACTOR SHALL ENSURE THAT NO PAVEMENT LIPS, PAVEMENT EDGES, SIGN FOUNDATIONS, STRUCTURES OR OTHER APPURTENANCES EXCEED 3 INCHES WITHIN ACTIVE AIRCRAFT OPERATIONAL AREAS.

9. TEMPORARY TAXIWAY CLOSURES AND/OR RUNWAY CLOSURES IN ACCORDANCE WITH THE CSPP ARE SUBJECT TO WIND/WEATHER AVAILABILITY AND ARE SUBJECT TO A RECALL TIME TO BE DETERMINED BY AUG OPERATIONS.

10. NO TAXIWAY CAUTIONS WILL BE ALLOWED FOR THIS PROJECT, HOWEVER IF WORKING UNDER A TAXIWAY CAUTION ALLOWED BY AN APPROVED CSPP, ALL ADJACENT PAVEMENTS WILL BE AVAILABLE FOR AN UNLIMITED NUMBER OF AIRCRAFT OPERATIONS...

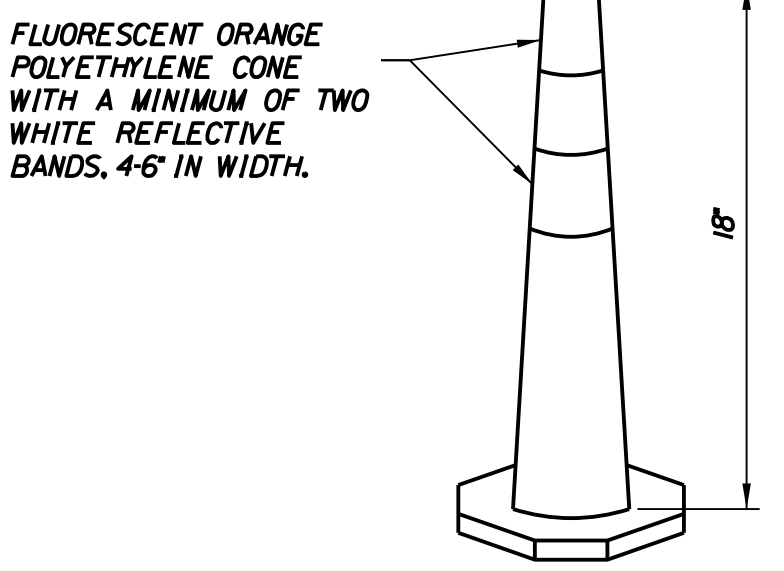
11. AS NOTED PREVIOUSLY WITHIN THESE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE AT LEAST THREE (3) RADIO ESCORT VEHICLES WITH A AUG APPROVED LICENSED DRIVER TO AND FROM THE WORK AREAS WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA) AT ALL TIMES...



- BARRICADE NOTES:
1. BARRICADES SHALL BE MULTI-BARRIER SAFETY BARRICADES WITH REFLECTIVE STRIPING.
2. BARRIERS SHALL BE PLACED END TO END TO CREATE A CONTINUOUS BARRICADE.
3. BARRICADES SHALL BE ADEQUATELY WEIGHTED TO WITHSTAND HIGH WINDS AND/OR JET BLAST.
4. CONTRACTOR SHALL MAINTAIN THE FLASHING LIGHT IN WORKING ORDER THROUGHOUT THE PROJECT.

WATER BALLASTED LIGHTED SAFETY BARRICADE

(INCIDENTAL TO ITEM M-120-1) NOT TO SCALE



- TRAFFIC CONE NOTES:
1. TRAFFIC CONES SHALL BE SPACED AT 25' ON CENTER ON EITHER SIDE OF HAUL ROAD.
2. CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE TRAFFIC CONES AND SHALL RELOCATE ANY CONES THAT ARE MISALIGNED.
3. TRAFFIC CONES SHALL BE ADEQUATELY SECURED TO WITHSTAND HIGH WINDS AND/OR JET BLAST.

HAUL ROAD TRAFFIC CONE

(INCIDENTAL TO ITEM M-120-1) NOT TO SCALE

AVIATION BARRICADE NOTES:

- ENGINEER AND AUG OPERATIONS WILL HAVE FINAL DETERMINATION WHERE EACH TYPE OF BARRICADE (LOW PROFILE, CHANNELIZER CONES, TRAFFIC CONES, ETC.) SHALL BE PLACED.
BARRICADES SHALL BE ONE OF THE BARRICADES SHOWN ON THIS SHEET OR APPROVED EQUAL.
ALL BARRICADES SHALL MEET REQUIREMENTS OF FAA ADVISORY CIRCULAR 150/5370-2F OR (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS\$
FAA AIP 3-23-0003-XXX-2021



MATTHEW T. OBRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

Table with columns: DATE, BY, T. LESIEGE, M. OBRIEN, R. LUCHINI, DESIGN-DETAILED, CHECKED-REVIEWED, DESIGN-DETAILED, DESIGNS-DETAILED, REVISIONS 1, REVISIONS 2, REVISIONS 3, REVISIONS 4, FIELD CHANGES.

AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA KENNEBEC COUNTY
CONSTRUCTION SAFETY AND PHASING PLAN DETAILS (1 OF 2)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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SHEET NUMBER

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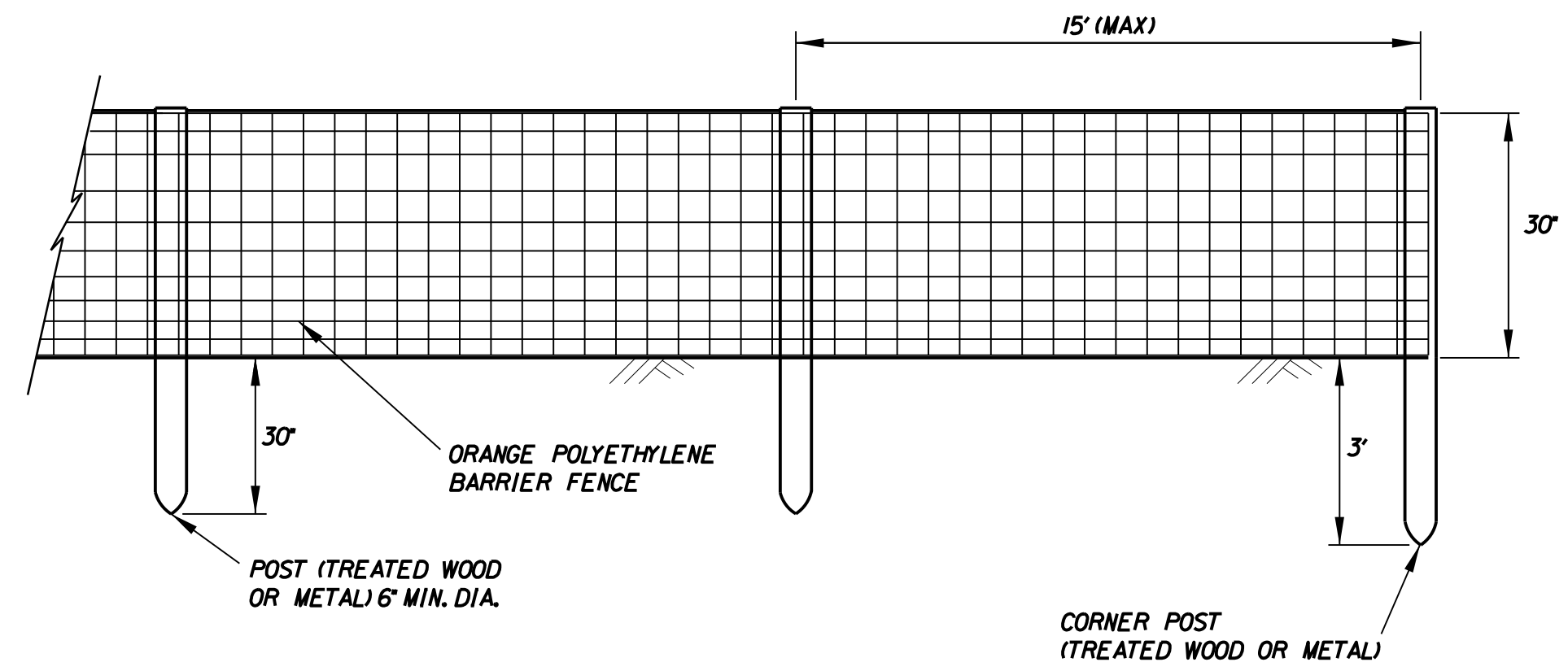
OF 62

Date: 4/12/2021

Username: rluchini

Division:

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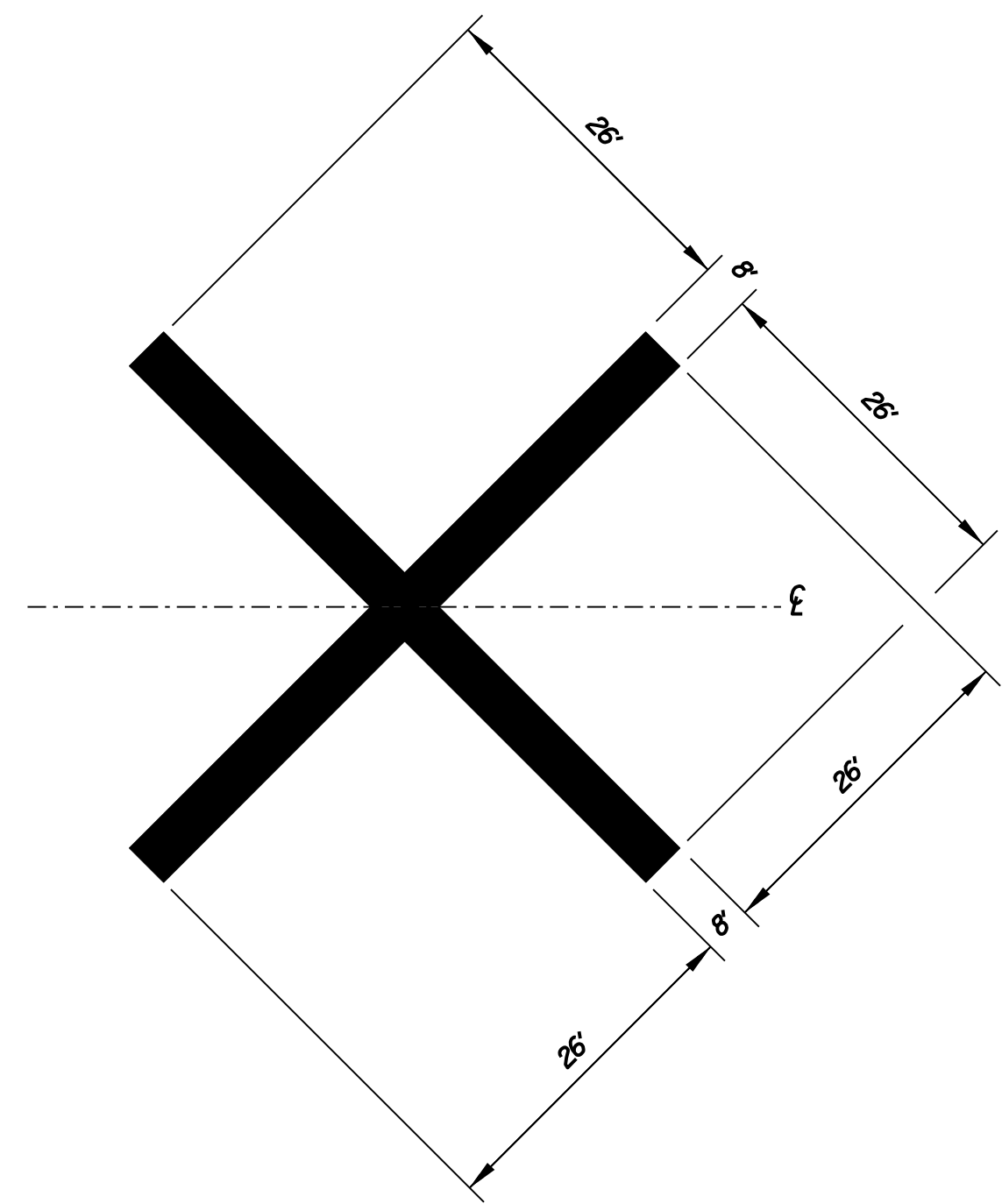
NOTES:

1. CONTRACTOR SHALL PLACE FENCE IN THE LOCATIONS SHOWN ON THE PLANS.
2. CONTRACTOR SHALL INSPECT FENCE ON A DAILY BASIS AND SHALL REPAIR/REPLACE ANY DAMAGED SECTIONS AS REQUIRED OR ADBE.

CONSTRUCTION BARRIER FENCE DETAIL
 NOT TO SCALE
 (INCIDENTAL TO ITEM M-120-1)

RUNWAY CLOSURE MARKER NOTES:

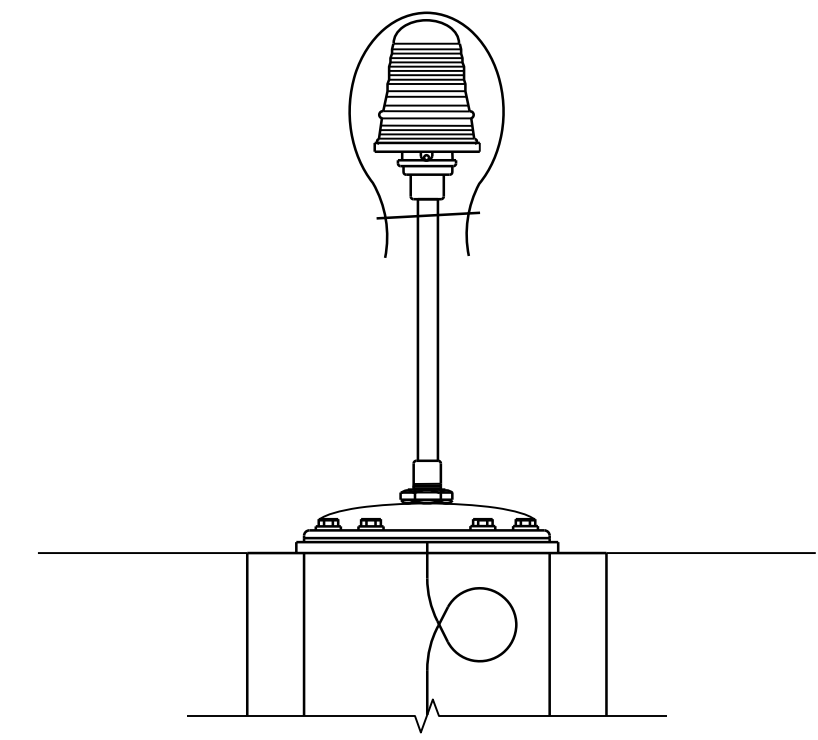
1. RUNWAY CLOSURE MARKER IS TO BE A TOWABLE UNIT WHICH CAN BE QUICKLY AND EFFICIENTLY SET UP AND REMOVED FROM THE RUNWAY. THE RUNWAY CLOSURE MARKER SHALL MEET THE REQUIREMENTS OF FAA AC 150/5345-55A (LATEST REVISION).
2. RUNWAY CLOSURE MARKER MUST BE ABLE TO WITHSTAND A MINIMUM WIND SPEED OF 40 M.P.H. WITHOUT ADVERSELY AFFECTING AIMING OR OPERATION.
3. RUNWAY CLOSURE MARKER WILL CONSIST OF 21 90-WATT PAR 38 CLEAR INCANDESCENT LAMPS OR LAMPS WHICH ARE CAPABLE OF TRANSMITTING AVIATION WHITE LIGHT PER SAE-AS25050, ARRANGED IN THE SHAPE OF THE LETTER "X" WITH ARMS CROSSED AT AN ANGLE APPROPRIATE TO MAKE THE "X" DISCERNIBLE TO APPROACHING AIRCRAFT. THE "X" FRAME CONTAINING THE LIGHTS IS TO BE PAINTED NO. 13538 AVIATION YELLOW, PER FED-STD-595, ON ALL SIDES TO ENSURE VISIBILITY.
4. LIGHT FIXTURES MOUNTED IN "X" FRAME MUST INDIVIDUALLY BE CAPABLE OF PROVIDING THE FOLLOWING MINIMUM INTENSITIES:
 DAYTIME EFFECTIVE INTENSITY OF 70,000 CANDELA (cd) AT THE BEAM CENTER, 34,000 cd AT 10 DEGREES RADIUS, AND 13,000 cd AT 15 DEGREES RADIUS.
 NIGHTTIME EFFECTIVE INTENSITY OF 2,000 (cd) AT THE BEAM CENTER, 970 cd AT 10 DEGREES RADIUS, AND 370 cd AT 15 DEGREES RADIUS.
5. LIGHT FIXTURES MOUNTED IN "X" FRAME MUST HAVE ALL LIGHT BULBS, SOCKETS, WIRING AND CONNECTIONS ENCLOSED IN WEATHER RESISTANT HOUSINGS.
6. LIGHT FIXTURES MOUNTED IN "X" FRAME ARE TO BE IN A FLASHING MODE CONTROLLED BY A SOLID STATE FLASHER. FLASHER IS TO BE EQUIPPED WITH A FAIL SAFE ALLOWING LIGHTS TO REMAIN ON CONTINUOUS SHOULD FLASHER UNIT FAIL. FLASH INTERVAL TIME WILL BE: DAYTIME OPERATION - 2.5 SECONDS ON, 2.5 SECONDS OFF
 NIGHTTIME OPERATION - 2.5 SECONDS ON, 2.5 SECONDS OFF
7. UNIT MUST BE EQUIPPED WITH A PHOTO CELL WHICH WILL REDUCE THE OUTPUT VOLTAGE TO 65 VOLTS DURING NIGHTTIME OPERATION.
8. THE RUNWAY CLOSURE MARKER MUST BE EQUIPPED FOR A CONNECTION TO 120V AC POWER SOURCE TO ALLOW FOR BACK-UP POWER SOURCE CAPABILITY OR ON-SITE POWER SUPPLY IF AVAILABLE. RUNWAY CLOSURE MARKER IS TO BE ENERGIZED BY A PORTABLE DIESEL ENGINE POWER SUPPLY WITH AN ADEQUATE FUEL CAPACITY TO SUPPLY POWER TO THE UNIT AT FULL LOAD FOR A MINIMUM OF 120 HOURS OF CONTINUOUS OPERATION.
9. RUNWAY CLOSURE MARKER IS TO BE EQUIPPED WITH 2 LIGHTS MOUNTED ON THE BACK SIDE OF THE TOP LEGS OF THE "X" FRAME. LIGHTS ARE TO BE WIRED SUCH THAT THEY REMAIN CONTINUOUSLY ON DURING CLOSURE MARKER OPERATION AS AN INDICATION OF POWER BEING SUPPLIED TO THE UNIT.
10. UNIT IS TO BE EQUIPPED WITH SOLAR POWERED SAFETY BEACON MOUNTED IN A LOCATION VISIBLE TO ATCT OR AIRPORT PERSONNEL. BEACON IS TO BE WIRED SUCH THAT IT WILL BE ACTIVATED IN THE EVENT OF TOTAL POWER LOSS AND HAVE SUFFICIENT POWER TO OPERATE FOR A MINIMUM OF 140 HOURS DAY OR NIGHT.
11. RUNWAY CLOSURE MARKER AS MANUFACTURED BY SHERWIN INDUSTRIES, INC. OR APPROVED EQUAL.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE, MOVING AND FUELING.



FABRIC RUNWAY CLOSED MARKER DETAIL
 NOT TO SCALE
 (INCIDENTAL TO ITEM M-120-1)

NOTES:

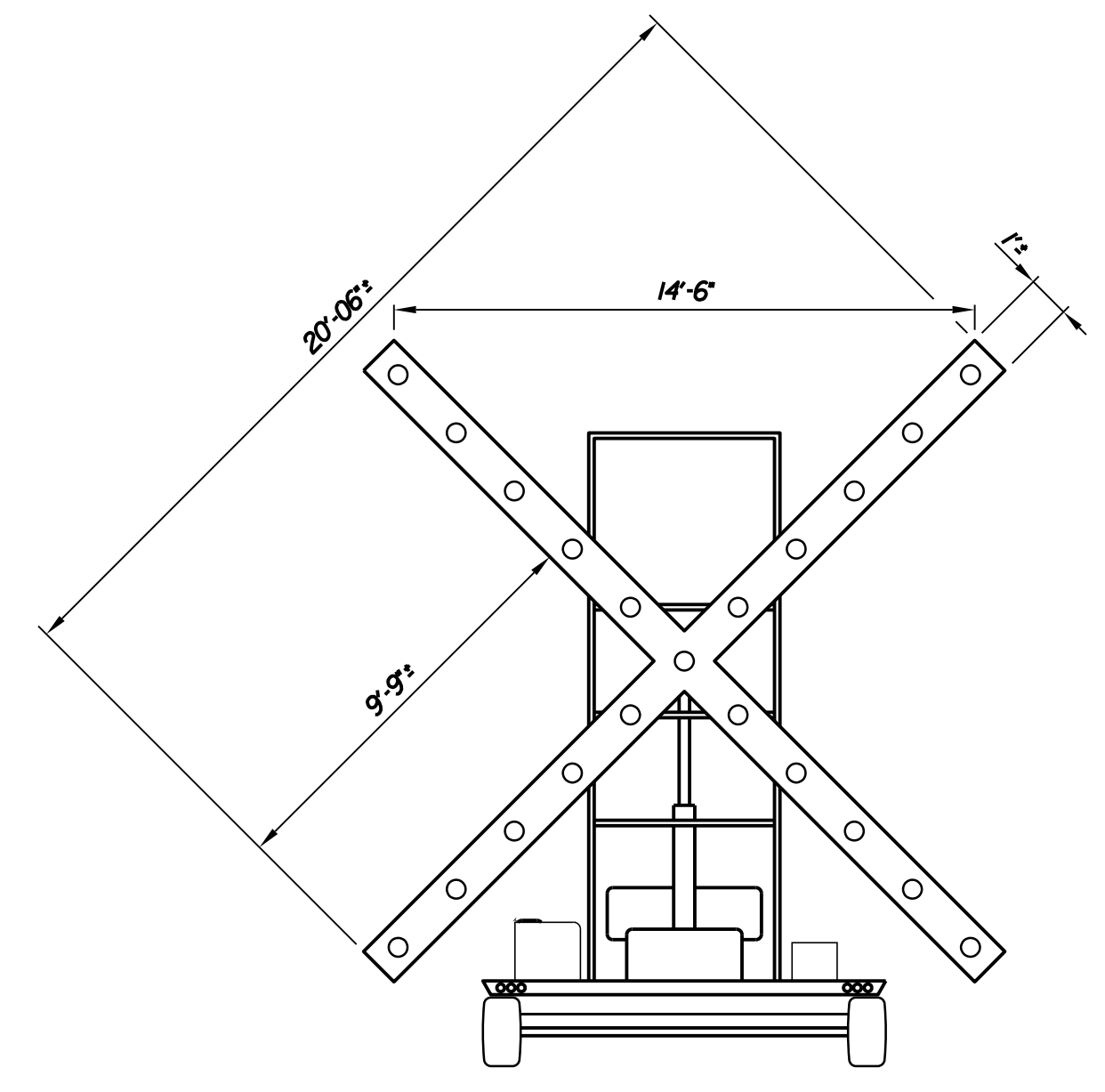
1. THE CONTRACTOR SHALL PROVIDE TWO (2) FABRIC RUNWAY CLOSURE MARKERS PER THE CONTRACT SPECIFICATIONS. MARKERS SHALL BE BY:
 NEUBERT AERO CORP., 14141
 46TH STREET N, SUITE 1206
 CLEARWATER, FL
 WWW.AIRPORTNAC.COM OR
 APPROVED EQUAL.
2. CLOSURE MARKER SHALL BE AVIATION YELLOW WITH A BLACK 6" BORDER.
3. CLOSURE MARKER SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMERALS UNLESS OTHERWISE DIRECTED BY THE ENGINEER/OWNER.



NOTE:

1. TAXIWAY LIGHTING CIRCUIT SHALL BE DISABLED IN ADDITION TO COVERING BLUE GLOBES.
2. ALTERNATE MEANS MAY BE APPROVED BY THE ENGINEER.

EDGE LIGHT COVER DETAIL
 NOT TO SCALE
 (INCIDENTAL TO ITEM M-120-1)



LIGHTED RUNWAY CLOSURE MARKER
 NOT TO SCALE
 (INCIDENTAL TO ITEM M-120-1)

NOTES:

1. THE CONTRACTOR SHALL PROVIDE TWO (2) LIGHTED RUNWAY CLOSURE MARKERS PER THE CONTRACT SPECIFICATIONS. MARKERS SHALL BE BY:
 SHERWIN INDUSTRIAL INC.
 WWW.SHERWININDUSTRIES.COM OR
 APPROVED EQUAL.

PLANS AND SPECIFICATIONS FOR
 BIDDING PURPOSES ONLY
 NOT TO BE USED FOR
 CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS\$
 FAA A.I.P 3-23-0003-XXX-2021



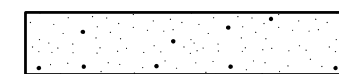
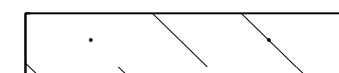

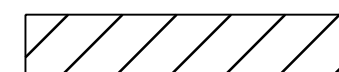
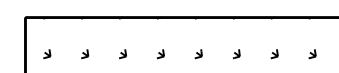

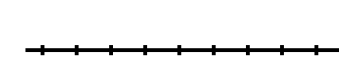
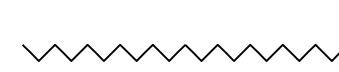
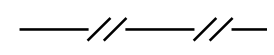

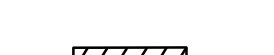





MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY	T. LESIEGE	DATE
DESIGN-DETAILED			M. O'BRIEN	
CHECKED-REVIEWED			R. LUCHINI	
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

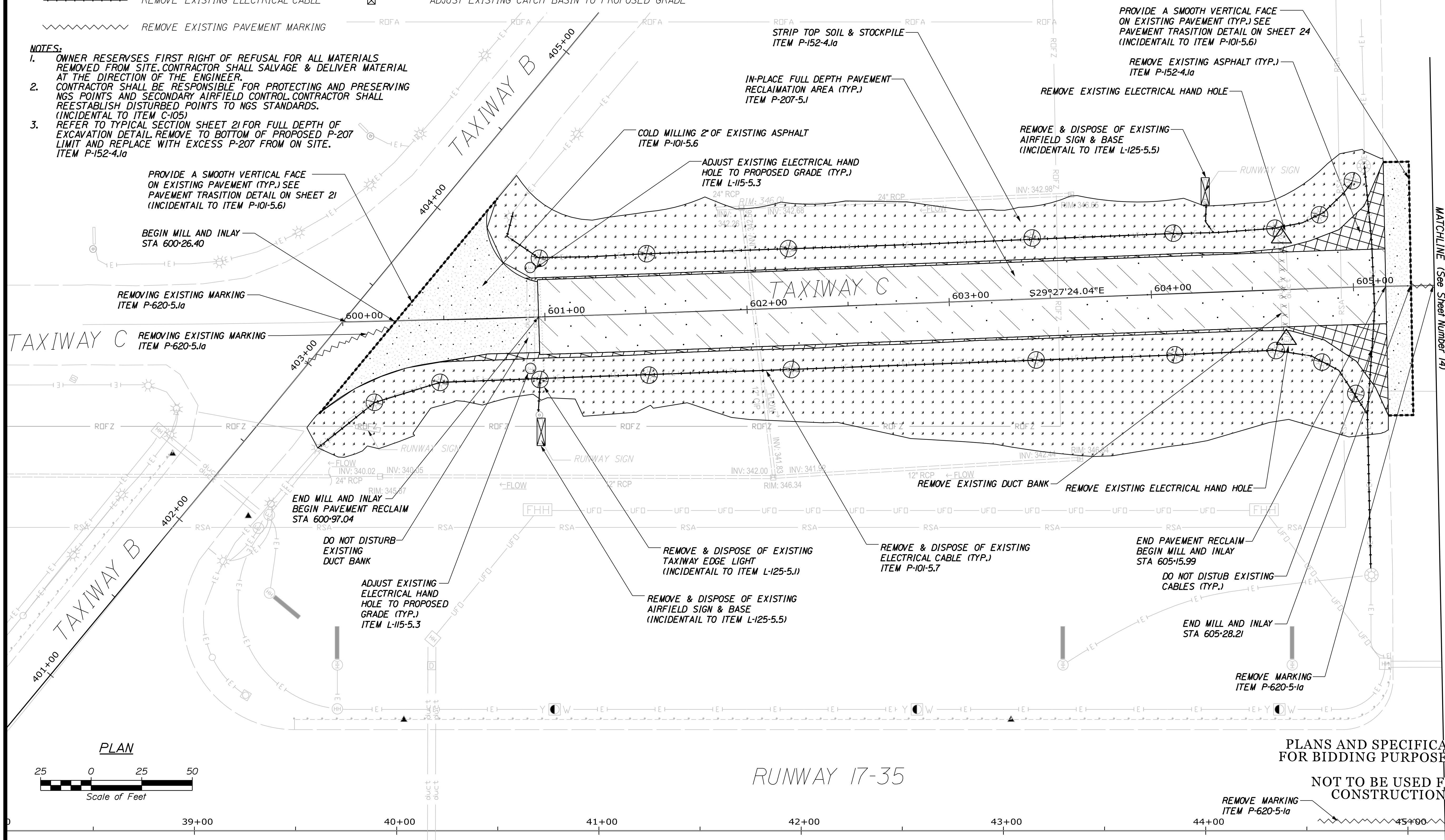
AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 KENNEBEC COUNTY
 AUGUSTA
 CONSTRUCTION SAFETY AND
 PHASING PLAN DETAILS (2 OF 2)

SHEET NUMBER
 12
 OF 62

LEGEND

-  MILL AND INLAY
-  RECLAIM EXISTING PAVEMENT
-  REMOVE EXISTING PAVEMENT
-  FULL DEPTH EXCAVATION IN WIDENING AREA
-  INFIELD GRADING AREA
-  SAWCUT
-  REMOVE EXISTING ELECTRICAL CABLE
-  REMOVE EXISTING PAVEMENT MARKING
-  REMOVE EXISTING DRAINAGE PIPE
-  REMOVE EXISTING DUCT BANK
-  REMOVE & DISPOSE OF EXISTING NON-LIGHTED SIGN
-  REMOVE & DISPOSE OF EXISTING AIRFIELD SIGN & BASE
-  REMOVE & DISPOSE OF EXISTING TAXIWAY EDGE LIGHT
-  ADJUST EXISTING ELECTRICAL HAND HOLE TO PROPOSED GRADE
-  REMOVE EXISTING ELECTRICAL HAND HOLE
-  ADJUST EXISTING CATCH BASIN TO PROPOSED GRADE

- NOTES:**
1. OWNER RESERVES FIRST RIGHT OF REFUSAL FOR ALL MATERIALS REMOVED FROM SITE. CONTRACTOR SHALL SALVAGE & DELIVER MATERIAL AT THE DIRECTION OF THE ENGINEER.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND PRESERVING NGS POINTS AND SECONDARY AIRFIELD CONTROL. CONTRACTOR SHALL REESTABLISH DISTURBED POINTS TO NGS STANDARDS. (INCIDENTAL TO ITEM C-105)
 3. REFER TO TYPICAL SECTION SHEET 21 FOR FULL DEPTH OF EXCAVATION DETAIL. REMOVE TO BOTTOM OF PROPOSED P-207 LIMIT AND REPLACE WITH EXCESS P-207 FROM ON SITE. ITEM P-152-4.1a



PROVIDE A SMOOTH VERTICAL FACE ON EXISTING PAVEMENT (TYP.) SEE PAVEMENT TRANSITION DETAIL ON SHEET 24 (INCIDENTAL TO ITEM P-101-5.6)

REMOVE EXISTING ASPHALT (TYP.) ITEM P-152-4.1a

REMOVE EXISTING ELECTRICAL HAND HOLE

REMOVE & DISPOSE OF EXISTING AIRFIELD SIGN & BASE (INCIDENTAL TO ITEM L-125-5.5)

IN-PLACE FULL DEPTH PAVEMENT RECLAMATION AREA (TYP.) ITEM P-207-5.1

COLD MILLING 2" OF EXISTING ASPHALT ITEM P-101-5.6

ADJUST EXISTING ELECTRICAL HAND HOLE TO PROPOSED GRADE (TYP.) ITEM L-115-5.3

PROVIDE A SMOOTH VERTICAL FACE ON EXISTING PAVEMENT (TYP.) SEE PAVEMENT TRANSITION DETAIL ON SHEET 21 (INCIDENTAL TO ITEM P-101-5.6)

BEGIN MILL AND INLAY STA 600+26.40

REMOVING EXISTING MARKING ITEM P-620-5.1a

REMOVING EXISTING MARKING ITEM P-620-5.1a

END MILL AND INLAY BEGIN PAVEMENT RECLAIM STA 600+97.04

ADJUST EXISTING ELECTRICAL HAND HOLE TO PROPOSED GRADE (TYP.) ITEM L-115-5.3

REMOVE & DISPOSE OF EXISTING TAXIWAY EDGE LIGHT (INCIDENTAL TO ITEM L-125-5.1)

REMOVE & DISPOSE OF EXISTING AIRFIELD SIGN & BASE (INCIDENTAL TO ITEM L-125-5.5)

REMOVE & DISPOSE OF EXISTING ELECTRICAL CABLE (TYP.) ITEM P-101-5.7

END PAVEMENT RECLAIM BEGIN MILL AND INLAY STA 605+15.99

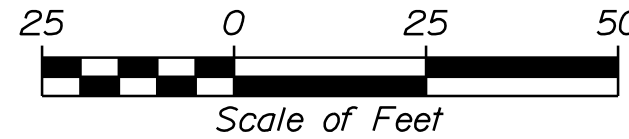
DO NOT DISTURB EXISTING CABLES (TYP.)

END MILL AND INLAY STA 605+28.21

REMOVE MARKING ITEM P-620-5.1a

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION



RUNWAY 17-35

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\Demo_Plan_1.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA AIP 3-23-0003-XXX-2021

PROJ. MANAGER	T. LESIEGE	DATE
DESIGN-DETAILED	M. O'BRIEN	
CHECKED-REVIEWED	L. LUCINI	
DESIGN-DETAILED	R. LUCHINI	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	DATE
MATTHEW I. O'BRIEN	04-12-2021
P.E. NUMBER	
12842	

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
DEMOLITION PLAN
(1 OF 4)

SHEET NUMBER
13
OF 62

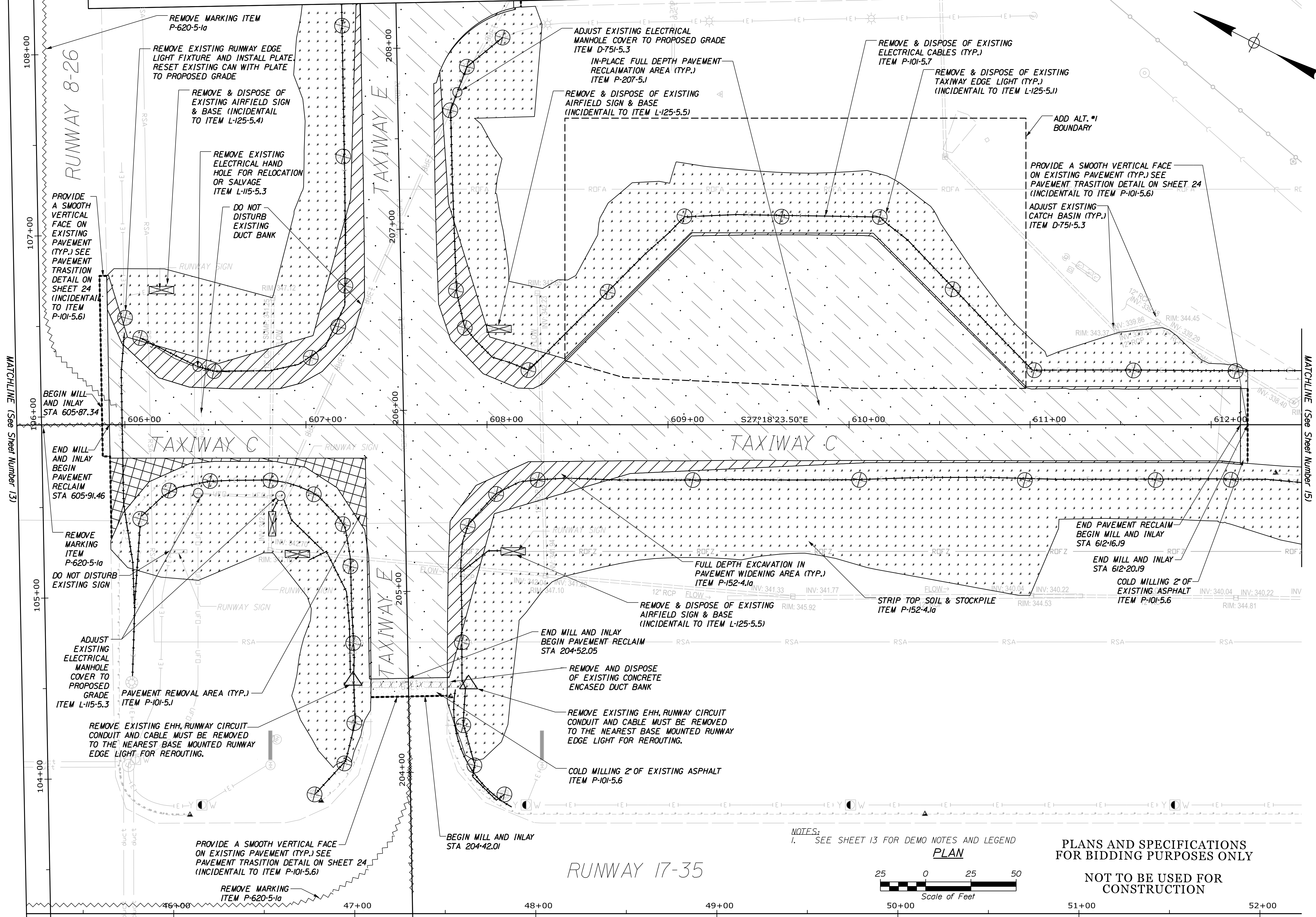
Date: 4/12/2021

Username: rluchini

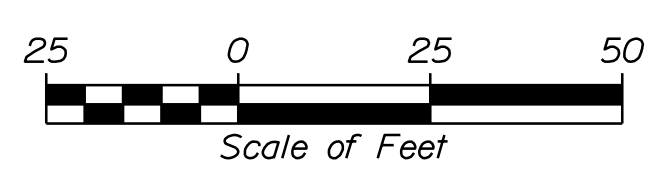
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MATCHLINE (See Sheet Number 16)



NOTES:
1. SEE SHEET 13 FOR DEMO NOTES AND LEGEND



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY

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CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P. 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
DESIGN-DETAILED: M. O'BRIEN
CHECKED-REVIEWED: M. O'BRIEN
DESIGN-DETAILED: R. LUCHINI
DESIGN-DETAILED: R. LUCHINI
REVISIONS: 1
REVISIONS: 2
REVISIONS: 3
REVISIONS: 4
FIELD CHANGES

DATE	BY
	M. O'BRIEN
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI
	R. LUCHINI

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
DEMOLITION PLAN
(2 OF 4)

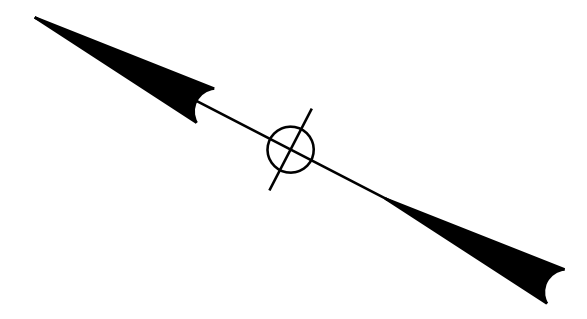
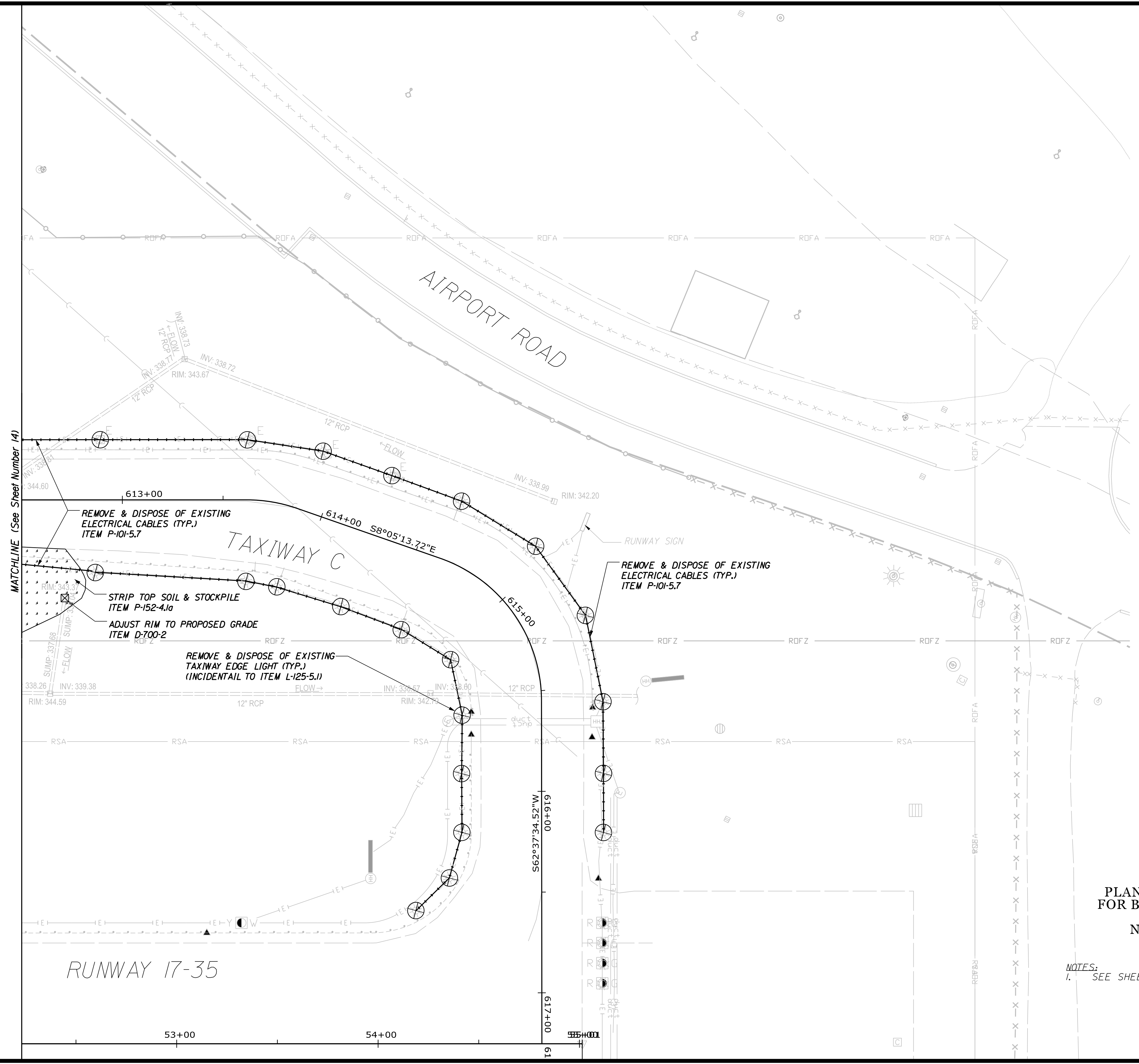
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OF 62

Date: 4/12/2021

Username: rluchini

Division:

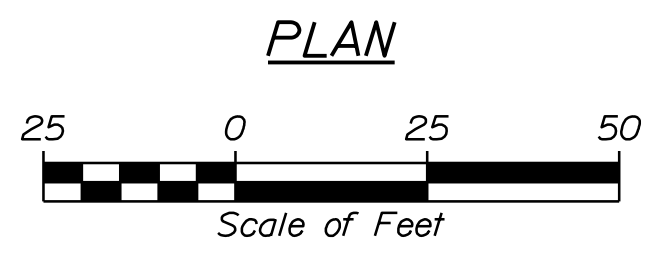
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PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR
CONSTRUCTION

NOTES:
1. SEE SHEET 13 FOR DEMO NOTES AND LEGEND



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW J. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DESIGN DETAILED	CHECKED/REVIEWED	DESIGNS DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESIEGE	M. O'BRIEN		R. LUCHINI					
BY	DATE							

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
DEMOLITION PLAN
(3 OF 4)

SHEET NUMBER

15

OF 62

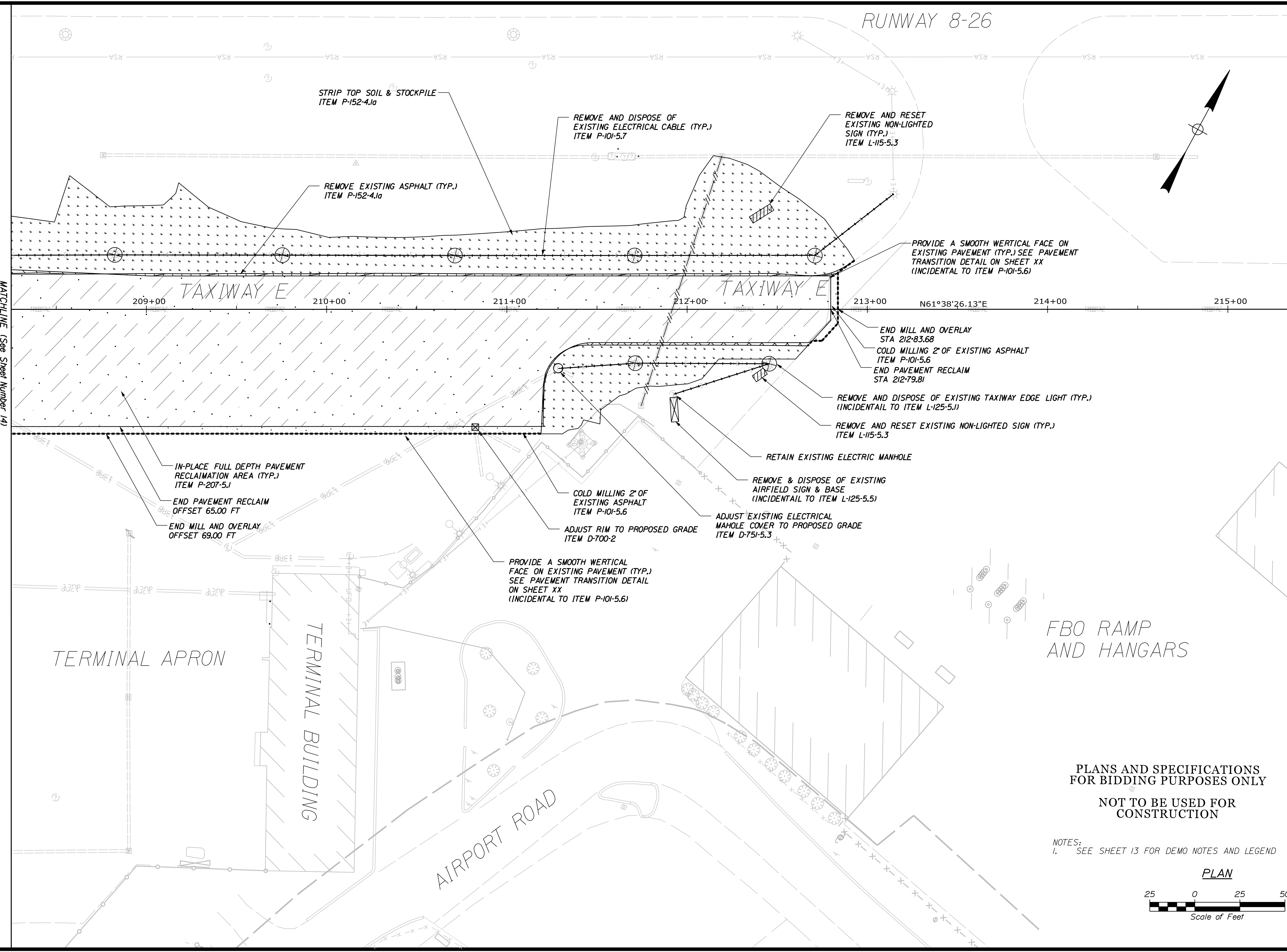
Date: 4/12/2021

Username: rluchini

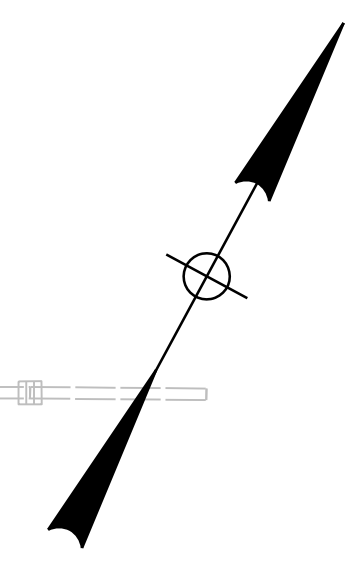
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MATCHLINE (See Sheet Number 14)



RUNWAY 8-26



TERMINAL APRON

TERMINAL BUILDING

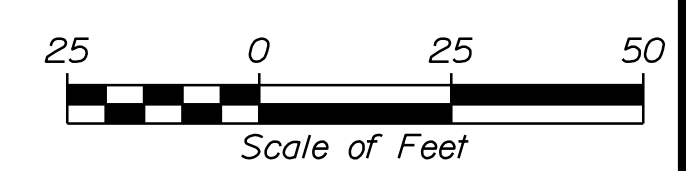
AIRPORT ROAD

FBO RAMP AND HANGARS

PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
NOT TO BE USED FOR
CONSTRUCTION

NOTES:
1. SEE SHEET 13 FOR DEMO NOTES AND LEGEND

PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	T. LESIGE	DATE
T. LESIGE				
CHECKED-REVIEWED				
DESIGN-REVIEWED				
DESIGNS DETAILED				
DESIGNS DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
DEMOLITION PLAN
(4 OF 4)

SHEET NUMBER

16

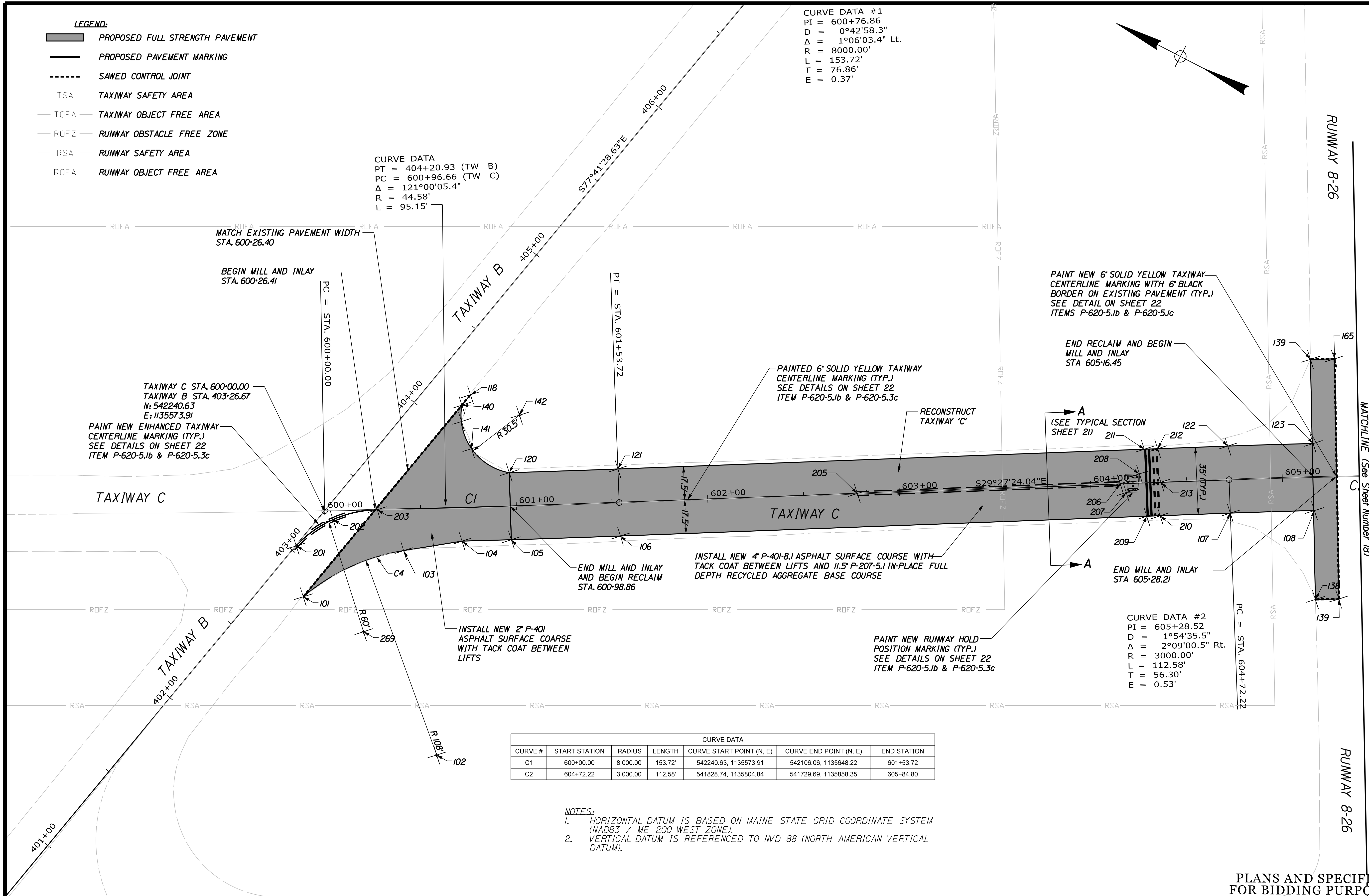
OF 62

Filename: ... \Plans\Layout_Plan_1.dgn
 Division:
 Username: rluchini
 Date: 4/12/2021

- LEGEND:**
- PROPOSED FULL STRENGTH PAVEMENT
 - PROPOSED PAVEMENT MARKING
 - SAWED CONTROL JOINT
 - TSA TAXIWAY SAFETY AREA
 - TOFA TAXIWAY OBJECT FREE AREA
 - ROFZ RUNWAY OBSTACLE FREE ZONE
 - RSA RUNWAY SAFETY AREA
 - ROFA RUNWAY OBJECT FREE AREA

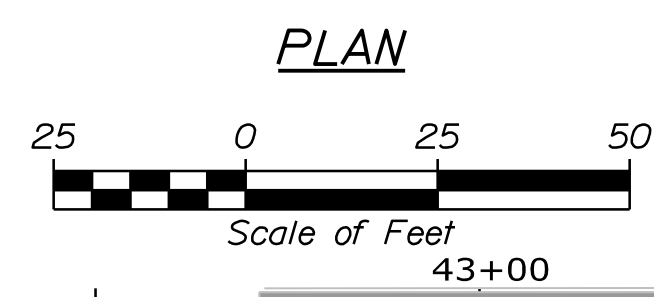
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 Δ = 1°06'03.4" Lt.
 R = 8000.00'
 L = 153.72'
 T = 76.86'
 E = 0.37'

CURVE DATA
 PT = 404+20.93 (TW B)
 PC = 600+96.66 (TW C)
 Δ = 121°00'05.4"
 R = 44.58'
 L = 95.15'



CURVE DATA						
CURVE #	START STATION	RADIUS	LENGTH	CURVE START POINT (N, E)	CURVE END POINT (N, E)	END STATION
C1	600+00.00	8,000.00'	153.72'	542240.63, 1135573.91	542106.06, 1135648.22	601+53.72
C2	604+72.22	3,000.00'	112.58'	541828.74, 1135804.84	541729.69, 1135858.35	605+84.80

NOTES:
 1. HORIZONTAL DATUM IS BASED ON MAINE STATE GRID COORDINATE SYSTEM (NAD83 / ME 200 WEST ZONE).
 2. VERTICAL DATUM IS REFERENCED TO MVD 88 (NORTH AMERICAN VERTICAL DATUM).



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN SPINNUMBERS
 FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
 DESIGN DETAILED: M. O'BRIEN
 CHECKED/REVIEWED: M. O'BRIEN
 DESIGNED/DETAILS: R. LUCHINI
 REVISIONS: 1, 2, 3, 4
 SIGNATURE: MATTHEW I. O'BRIEN
 P.E. NUMBER: 12842
 DATE: 04-12-2021

DATE	BY	REVISION

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 KENNEBEC COUNTY
 AUGUSTA
 GEOMETRY LAYOUT AND MARKING PLAN (1 OF 4)

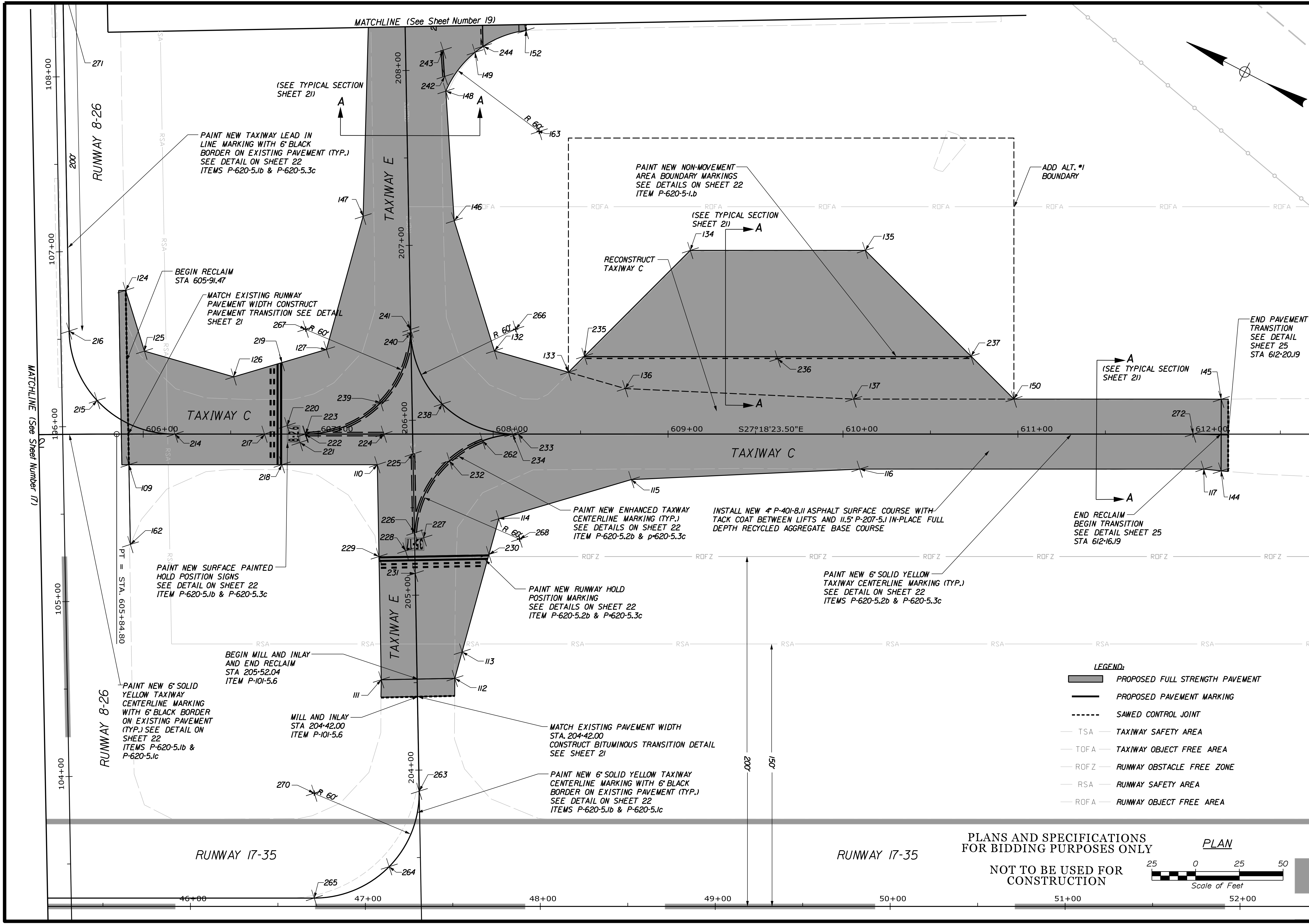
SHEET NUMBER
17
 OF 62

Date: 4/12/2021

Username: rluchini

Division:

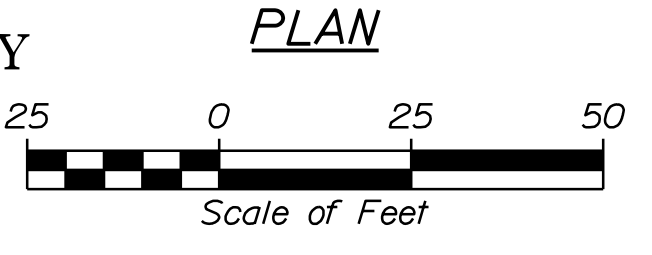
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LEGEND:

- PROPOSED FULL STRENGTH PAVEMENT
- PROPOSED PAVEMENT MARKING
- SAWED CONTROL JOINT
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- ROFZ RUNWAY OBSTACLE FREE ZONE
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA

PLANS AND SPECIFICATIONS
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

FAA AIP: 3-23-0003-XXX-2021

WIN \$PINNUMBERS\$
FAA A.I.P 3-23-0003-XXX-2021

PROJ. MANAGER	DESIGN/DETAILED	CHECKED/REVIEWED	DESIGNED/DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESBIE	M. O'BRIEN	R. LUCHINI	R. LUCHINI					
DATE	SIGNATURE	P.E. NUMBER	DATE					
	MATTHEW I. O'BRIEN	12842	04-12-2021					

AUGUSTA STATE AIRPORT
BID DOCUMENTS

KENNEBEC COUNTY

AUGUSTA

AUGUSTA STATE AIRPORT
BID DOCUMENTS

KENNEBEC COUNTY

AUGUSTA

AUGUSTA STATE AIRPORT
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KENNEBEC COUNTY

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AUGUSTA STATE AIRPORT
BID DOCUMENTS

KENNEBEC COUNTY

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KENNEBEC COUNTY

Date: 4/12/2021

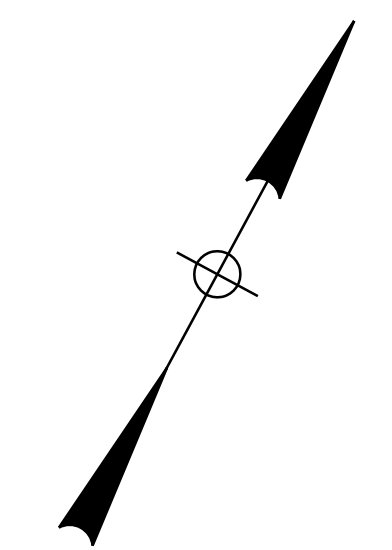
Username: rluchini

Division:

Filename: ... \Plans\Layout_Plan_3.dgn

MATCHLINE (See Sheet Number 18)

RUNWAY 8-26



PAINTED 6" SOLID YELLOW TAXIWAY CENTERLINE MARKING (TYP.)
SEE DETAILS ON SHEET 22
ITEM P-620-5.2b & P-620-5.3b

INSTALL NEW 4" P-401-8.1 ASPHALT SURFACE COARSE WITH TACK COAT BETWEEN LIFTS AND 11.5" P-207-5.1 IN-PLACE FULL DEPTH RECYCLED AGGREGATE BASE COARSE

MATCH EXISTING PAVEMENT WIDTH
STA. 212+78.72
CONSTRUCT BITUMINOUS TRANSITION
SEE SHEET 21

END RECLAIM
BEGIN PAVEMENT
TRANSITION SEE
DETAIL SHEET 21
STA 212+79.68

END PAVEMENT
TRANSITION
SEE DETAIL
SHEET 21
STA 212+83.58

PAINTED 6" DASHED DOUBLE YELLOW TAXIWAY EDGE MARKING (TYP.)
SEE DETAILS ON SHEET 22
ITEM P-620-5.2b & P-620-5.3c

PAINT NEW NON-MOVEMENT AREA BOUNDARY MARKINGS
SEE DETAILS ON SHEET 22
ITEM P-620-5-2.b & P-620-5.3c

END PAVEMENT
TRANSITION
SEE DETAIL
SHEET 21
OFFSET 81.00 FT

END RECLAIM
BEGIN PAVEMENT
TRANSITION
SEE DETAIL SHEET 21
OFFSET 77.00 FT

TAXIWAY E









TERMINAL APRON

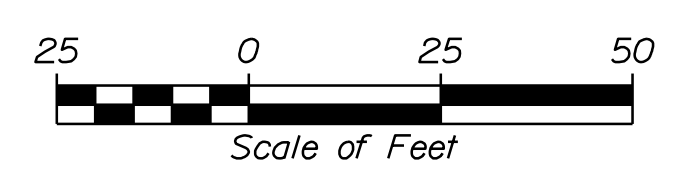
TERMINAL BUILDING

PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY

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CONSTRUCTION

LEGEND:

-  PROPOSED FULL STRENGTH PAVEMENT
-  PROPOSED PAVEMENT MARKING
-  SAWED CONTROL JOINT
-  TSA TAXIWAY SAFETY AREA
-  TOFA TAXIWAY OBJECT FREE AREA
-  ROFZ RUNWAY OBSTACLE FREE ZONE
-  RSA RUNWAY SAFETY AREA
-  ROFA RUNWAY OBJECT FREE AREA



STATE OF MAINE
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FAA AIP: 3-23-0003-XXX-2021
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FAA A.I.P 3-23-0003-XXX-2021



PROJ. MANAGER T. LESIGE
DESIGN-DETAILED M. O'BRIEN
CHECKED-REVIEWED R. LUCHINI
DESIGN-DETAILED R. LUCHINI
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE	BY	REVISION

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
GEOMETRY LAYOUT AND
MARKING PLAN (3 OF 4)

SHEET NUMBER

19

OF 62

EDGE OF PAVEMENT GEOMETRY LAYOUT POINTS

Point Table		
Name	Northing	Easting
101	542229.98	1135528.91
102	542130.23	1135487.51
103	542194.47	1135574.32
104	542169.66	1135592.69
105	542147.17	1135605.13
106	542097.46	1135632.98
107	541820.13	1135789.61
108	541781.75	1135810.91
109	541715.47	1135846.01
110	541589.27	1135911.16
111	541530.87	1135802.97
112	541493.87	1135822.94
113	541497.11	1135838.32
114	541513.40	1135915.59
115	541456.37	1135970.21
116	541343.08	1136035.45
117	541168.35	1136125.66
118	542200.81	1135662.57
119	542198.55	1135648.06
120	542164.17	1135635.73
121	542114.67	1135663.45
122	541837.34	1135820.08
123	541798.38	1135841.71
124	541762.82	1135933.73
125	541737.35	1135907.77
126	541685.27	1135918.09
127	541645.32	1135956.34
132	541559.68	1135999.68
133	541516.45	1136008.25
134	541486.51	1136102.07
135	541397.66	1136147.95
136	541483.33	1136014.81
137	541364.55	1136069.38
138	541760.02	1135769.96
139	541819.79	1135880.10
140	542202.31	1135655.71
141	542187.37	1135637.84
142	542173.22	1135664.86
144	541159.04	1136129.29
145	541177.78	1136165.73
146	541614.20	1136055.24
147	541661.62	1136033.62
148	541652.42	1136118.88
149	541647.76	1136146.24
150	541283.14	1136111.41
152	541627.65	1136170.68
153	541768.87	1136432.32
154	541772.52	1136430.65
155	541789.68	1136421.39
156	541810.97	1136419.14
157	541827.59	1136432.67
158	541885.66	1136540.26
159	541936.08	1136539.78
160	541921.36	1136532.71
161	541742.01	1136200.45
162	541693.80	1135805.86
163	541594.45	1136122.87
164	541802.95	1136445.97
165	541808.91	1135885.97
166	541749.38	1135775.70

MARKING LAYOUT POINTS

Point Table		
Name	Northing	Easting
201	542245.42	1135550.78
202	542234.66	1135571.81
203	542216.55	1135586.96
205	541997.76	1135709.38
206	541878.25	1135776.88
207	541873.32	1135774.24
208	541871.65	1135786.03
209	541858.11	1135768.16
210	541852.01	1135771.6
211	541875.32	1135798.63
212	541869.22	1135802.07
213	541859.75	1135787.33
214	541700.02	1135873.68
215	541748.41	1135870.27
216	541780.86	1135898.22
217	541654.62	1135897.11
218	541637.7	1135886.15
219	541664.47	1135938.01
220	541645.28	1135907.38
221	541634.41	1135902.11
222	541633.96	1135907.78
223	541633.67	1135907.93
224	541593.97	1135928.42
225	541573.96	1135925.95
226	541552.5	1135886.39
227	541546.53	1135886.21
228	541552.34	1135874.83
229	541564.33	1135864.95
230	541509.02	1135894.81
231	541541.54	1135865.89
232	541553.6	1135932.05
233	541525.64	1135963.71
234	541528.54	1135962.21
235	541512.52	1136020.56
236	541413.64	1136069.92
237	541316.14	1136121.94
238	541572.26	1135958.98
239	541603.86	1135943.54
240	541606.81	1135986.82
241	541607.79	1135988.63
242	541656.79	1136126.15
243	541664.51	1136139
244	541645.14	1136151.51
245	541790.57	1136420.93
246	541677.38	1136160.44
247	541685.11	1136173.29
248	541697.98	1136194.73
249	541705.7	1136207.58
250	541717.88	1136229.41
251	541725	1136242.61
252	541736.88	1136264.61
253	541744	1136277.81
254	541755.88	1136299.81
255	541763	1136313.01
256	541774.88	1136335.01
257	541782	1136348.21
258	541793.88	1136370.21
259	541801	1136383.41
260	541812.88	1136405.41
261	541820	1136418.61

MARKING LAYOUT POINTS

Point Table		
Name	Northing	Easting
262	541542.09	1135950.88
263	541482.38	1135756.29
264	541477.85	1135710.08
265	541507.65	1135674.48
266	541554.55	1136016.3
267	541661.19	1135961.25
268	541497.54	1135910.69
269	542193.68	1135527.13
270	541535.18	1135727.79
271	541875.87	1136074.22
272	541182.88	1136140.66
273	541904.13	1136537.62
275	541685.37	1135582.73

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

FAA AIP: 3-23-0003-XXX-2021

WIN \$PINNUMBERS
FAA AIP 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGNS-DETAILED	DESIGNS-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESIEGE	M. O'BRIEN	R. LUCHINI							

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA

GEOMETRY LAYOUT AND
MARKING PLAN (4 OF 4)

SHEET NUMBER

20

OF 62

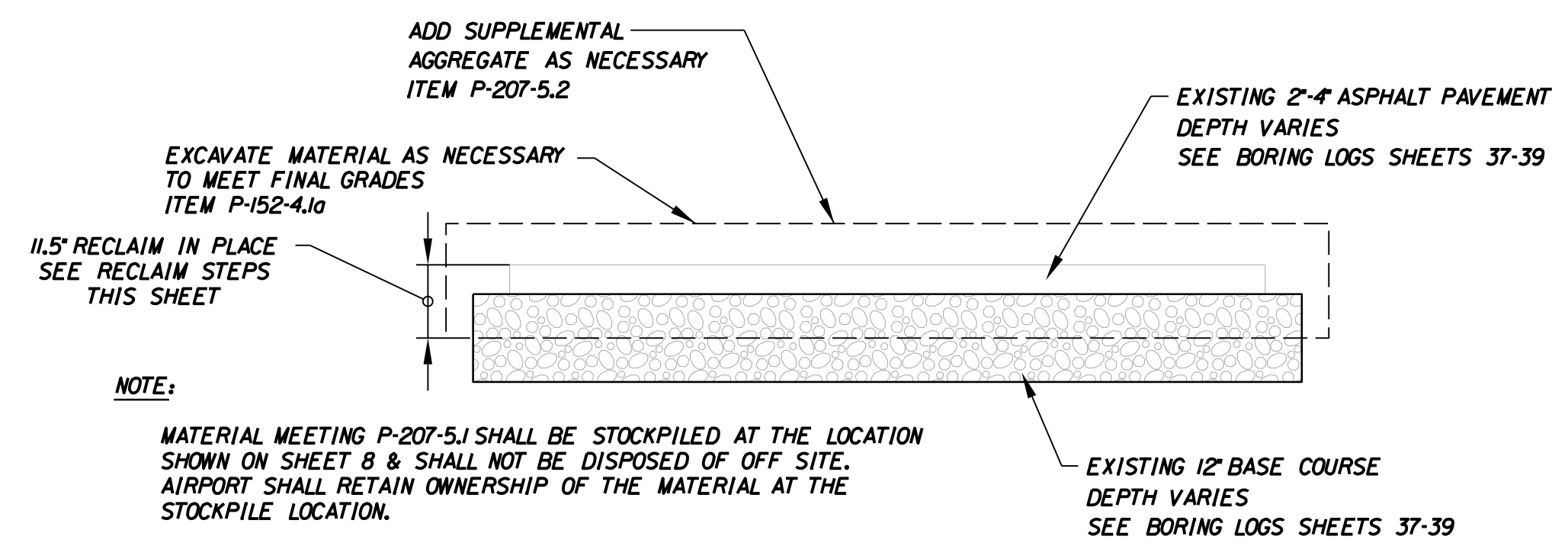
PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
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Date: 4/12/2021

Username: rluchini

Division:

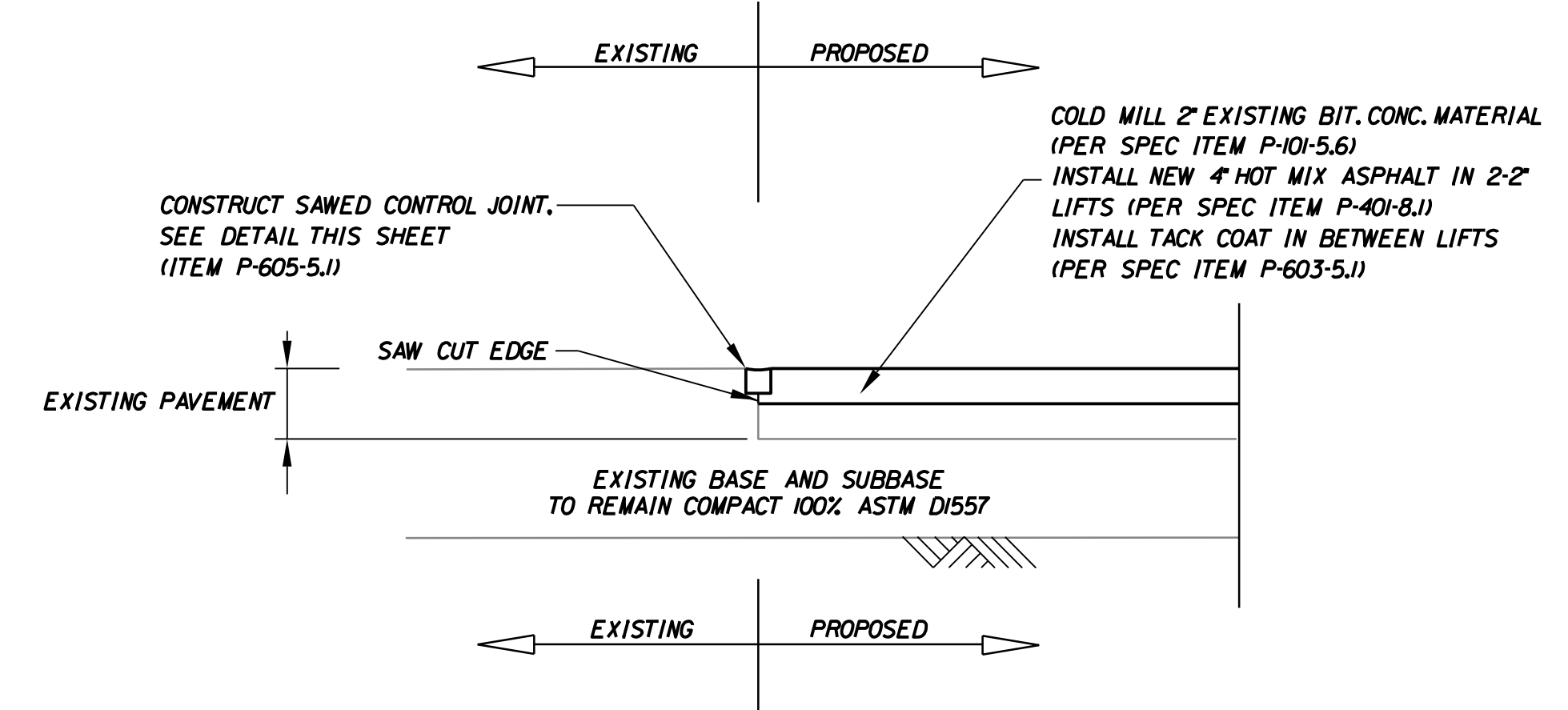
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RECLAIMED ASPHALT METHODS
NOT TO SCALE

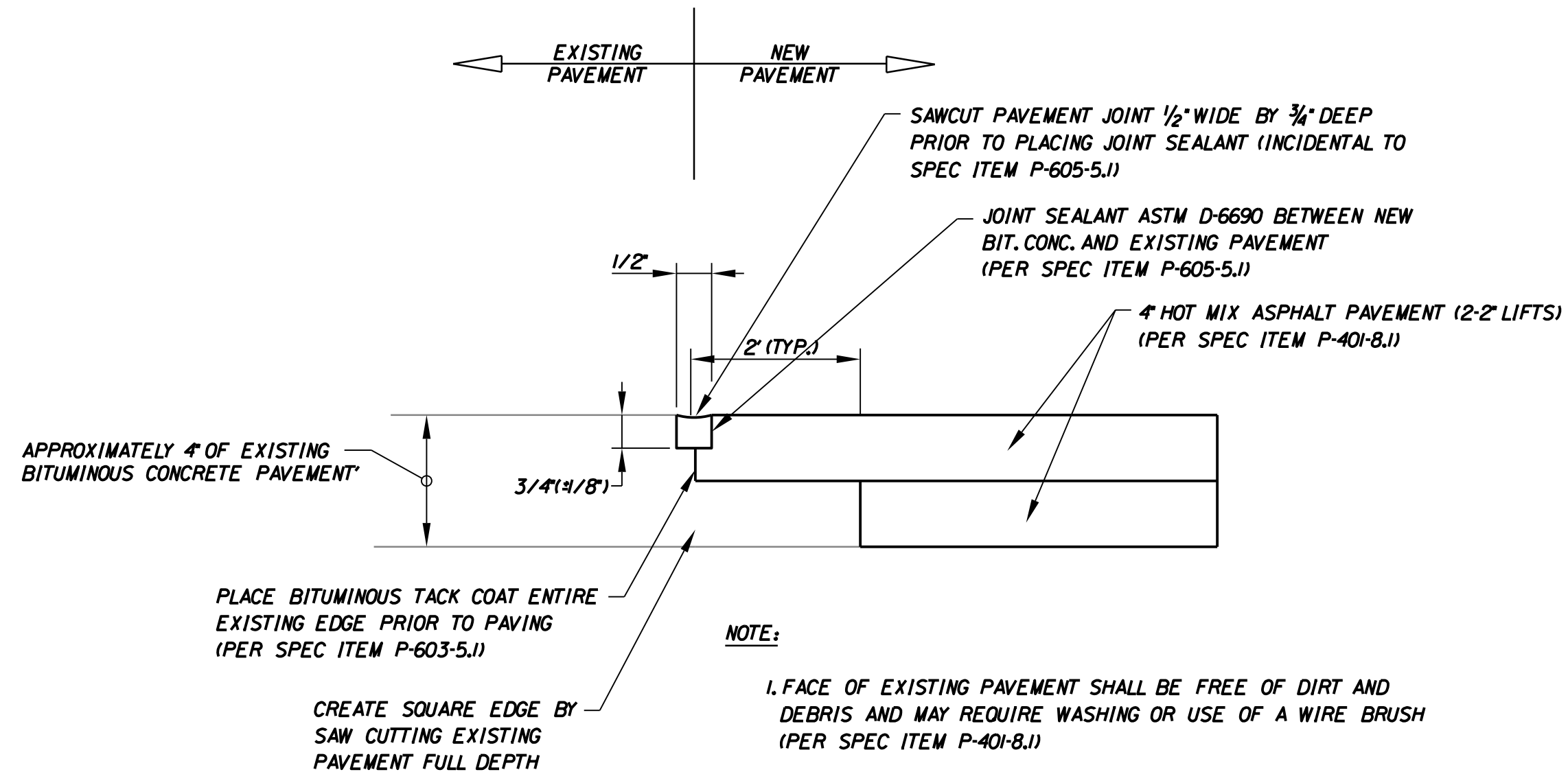
RECLAIM STEPS:

1. RECLAIM EXISTING ASPHALT AND BASE MATERIAL. ITEM P-207-5.1
2. REMOVE AREAS TO BE TOPSOILED. ITEM P-101-5.1
3. IN AREAS WHERE NEW PAVEMENT LIMITS EXTEND BEYOND EXISTING EDGE OF PAVEMENT, EXCAVATE TO BOTTOM OF PROPOSED PAVEMENT BOX AND REPLACE WITH RECLAIM MATERIAL. ITEM P-152-4.1a
4. GRADE AND EXCAVATE RECLAIMED MATERIAL TO AN ELEVATION 7" BELOW FINISHED GRADE. ITEM P-152-4.1a
5. ADD 3" OF CORRECTIVE AGGREGATE. ITEM P-207-5.2
6. RECLAIM 11.5' AND TEST GRADATION PER SPECIFICATIONS. ITEM P-207-5.1
7. GRADE AND COMPACT TO SPECIFICATIONS AND GRADING PLANS. ITEM P-207-5.1
8. PAVE 4" OF ASPHALT. ITEM P-401-8.1

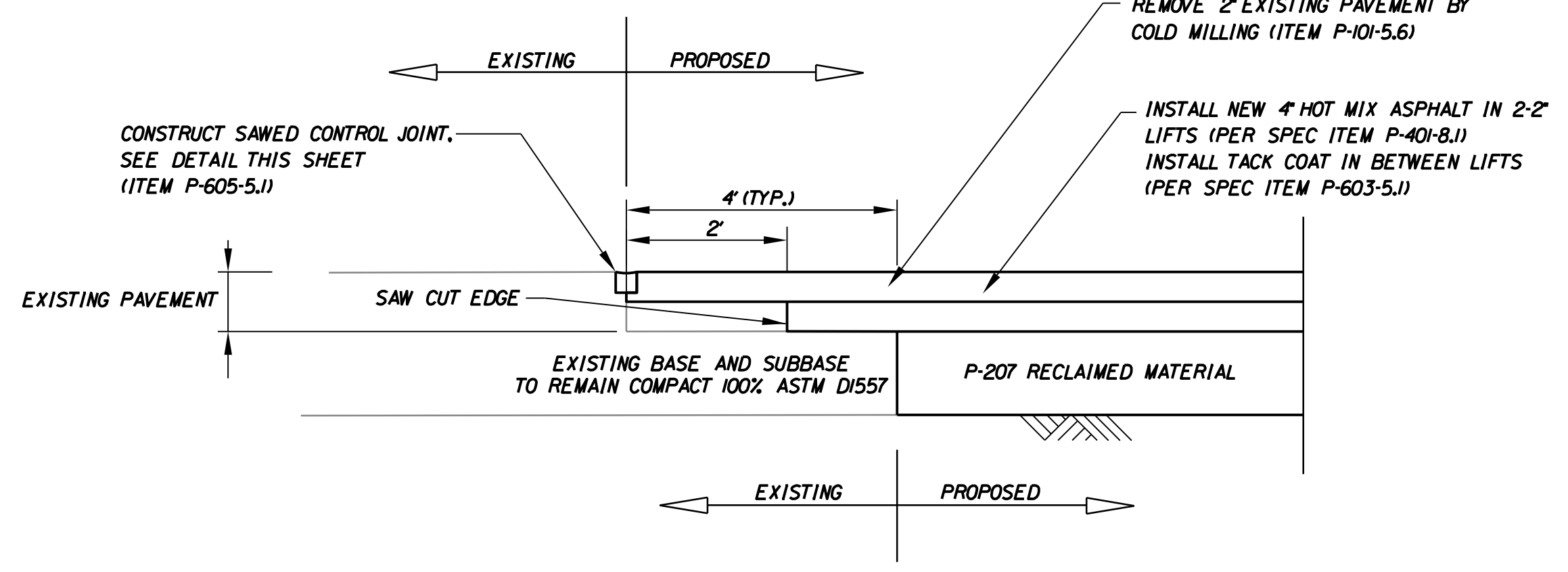


MILL & INLAY DETAIL
NOT TO SCALE

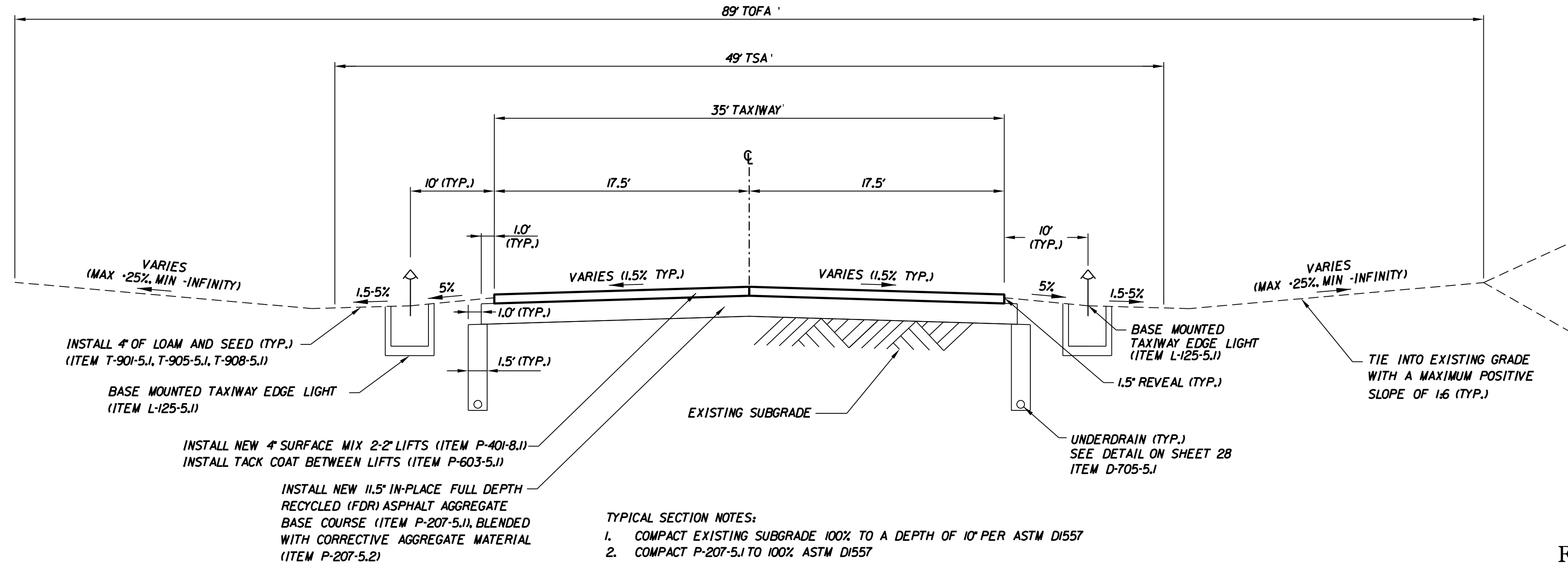
TAXIWAY C: STA. 600+26.40 TO STA. 600+96.86
& STA. 605+16.00 TO STA. 605+28.45



SAWCUT CONTROL JOINT DETAIL
NOT TO SCALE
(INCIDENTAL TO ITEM P-605-5.1)



PAVEMENT TRANSITION DETAIL
NOT TO SCALE



PROPOSED PAVEMENT TYPICAL SECTION A-A
N.T.S.

TAXIWAY C: STA. 606+96.86 TO STA. 605+16.00 & STA. 605+91.46 TO STA. 612+16.20
TAXIWAY E: STA. 204+52.04 TO STA. 212+79.71

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN SPINNUMBERS
FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER T. LESIEGE
DESIGN-DETAILED M. O'BRIEN
CHECKED-REVIEWED R. LUCHINI
DESIGN-DETAILED R. LUCHINI
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE	BY	REVISION
	MATTHEW T. O'BRIEN	SIGNATURE
		12842
		P.E. NUMBER
		04-12-2021
		DATE

AUGUSTA STATE AIRPORT
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AUGUSTA
KENNEBEC COUNTY
TYPICAL SECTION AND PAVEMENT DETAILS

SHEET NUMBER

21

OF 62

PLANS AND SPECIFICATIONS FOR
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

FAA AIP: 3-23-0003-XXX-2021

WIN \$PINUMBERS\$
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. OBRIEN
SIGNATURE

12842
P.E. NUMBER

04-12-2021
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DATE

BY

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FIELD CHANGES

DATE

BY

T. LESIEGE

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGNS-DETAILED

REVISIONS 1

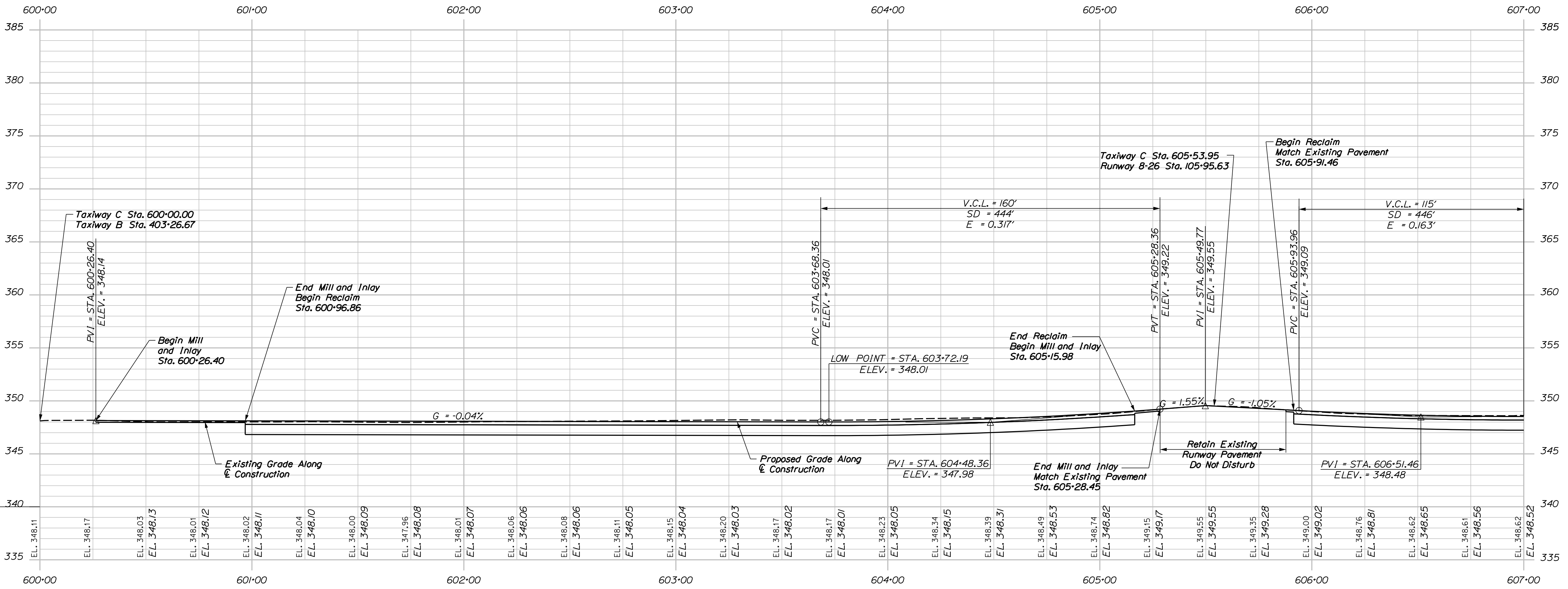
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REVISIONS 4

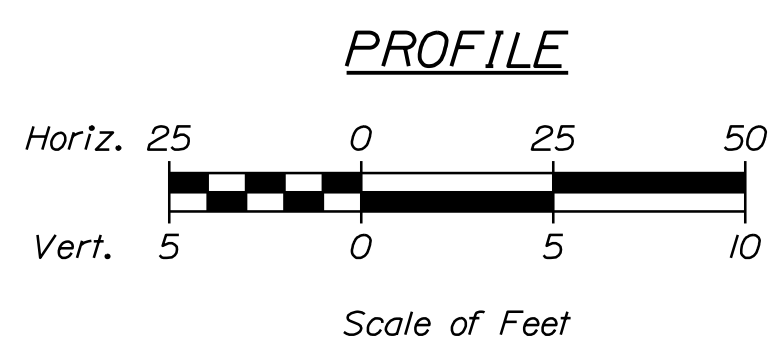
FIELD CHANGES

DATE



PROFILE TAXIWAY 'C'

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY
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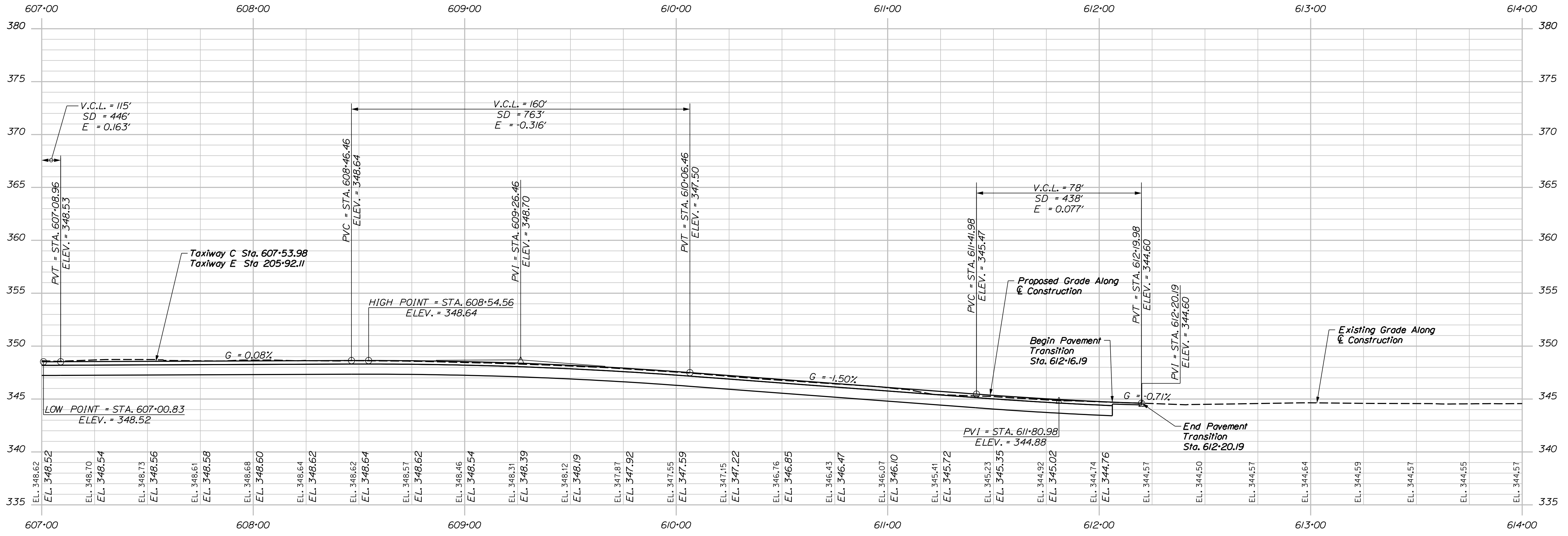


PROJ. MANAGER	T. LESIEGE	BY	MATTHEW T. O'BRIEN
CHECKED/REVIEWED	M. O'BRIEN	SIGNATURE	
DESIGN/DATE	R. LUCHINI	P.E. NUMBER	12842
REVISIONS 1		DATE	04-12-2021
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
PROFILE TAXIWAY "C"
(1 OF 2)

SHEET NUMBER

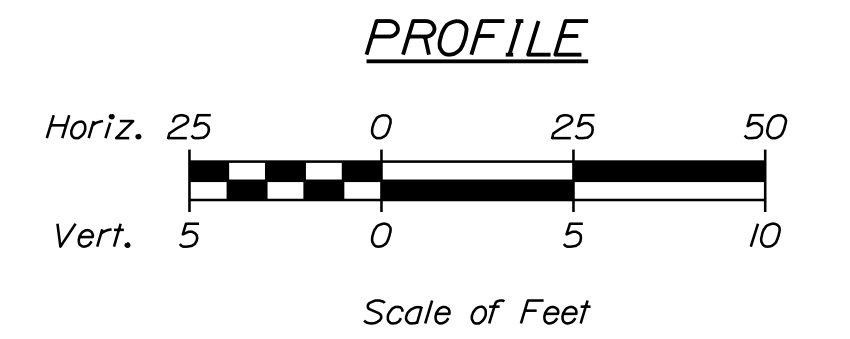
23



PROFILE TAXIWAY 'C'

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION



PROJ. MANAGER	T. LESIEGE	DATE	
CHECKED/REVIEWED	M. OBRIEN	SIGNATURE	MATTHEW T. OBRIEN
DESIGNS/DETAILED	R. LUCHINI	P.E. NUMBER	12842
REVISIONS 1		DATE	04-12-2021
REVISIONS 2			
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FIELD CHANGES			

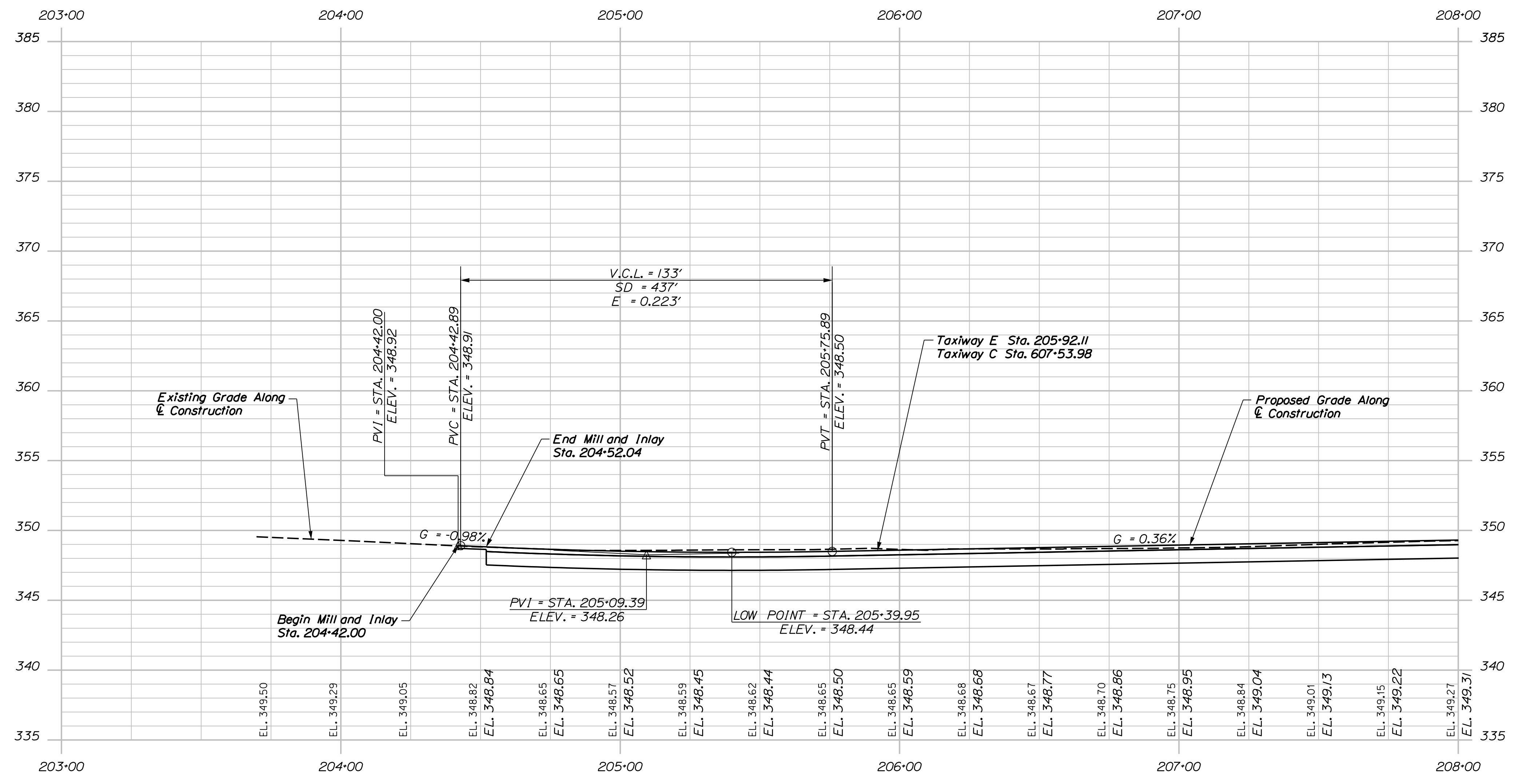
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BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
PROFILE TAXIWAY "C"
(2 OF 2)

SHEET NUMBER

24

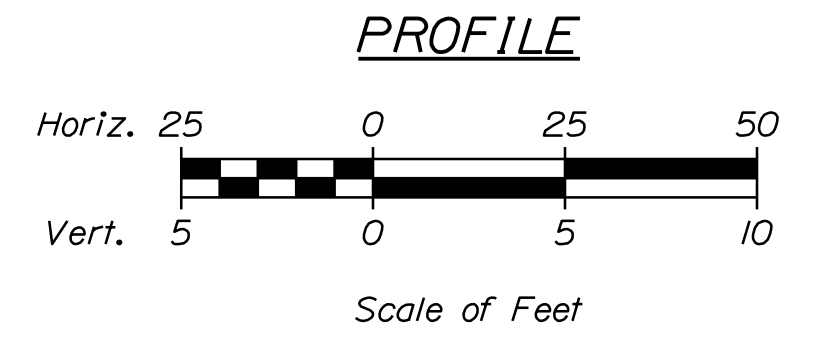
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PROFILE TAXIWAY 'E'

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

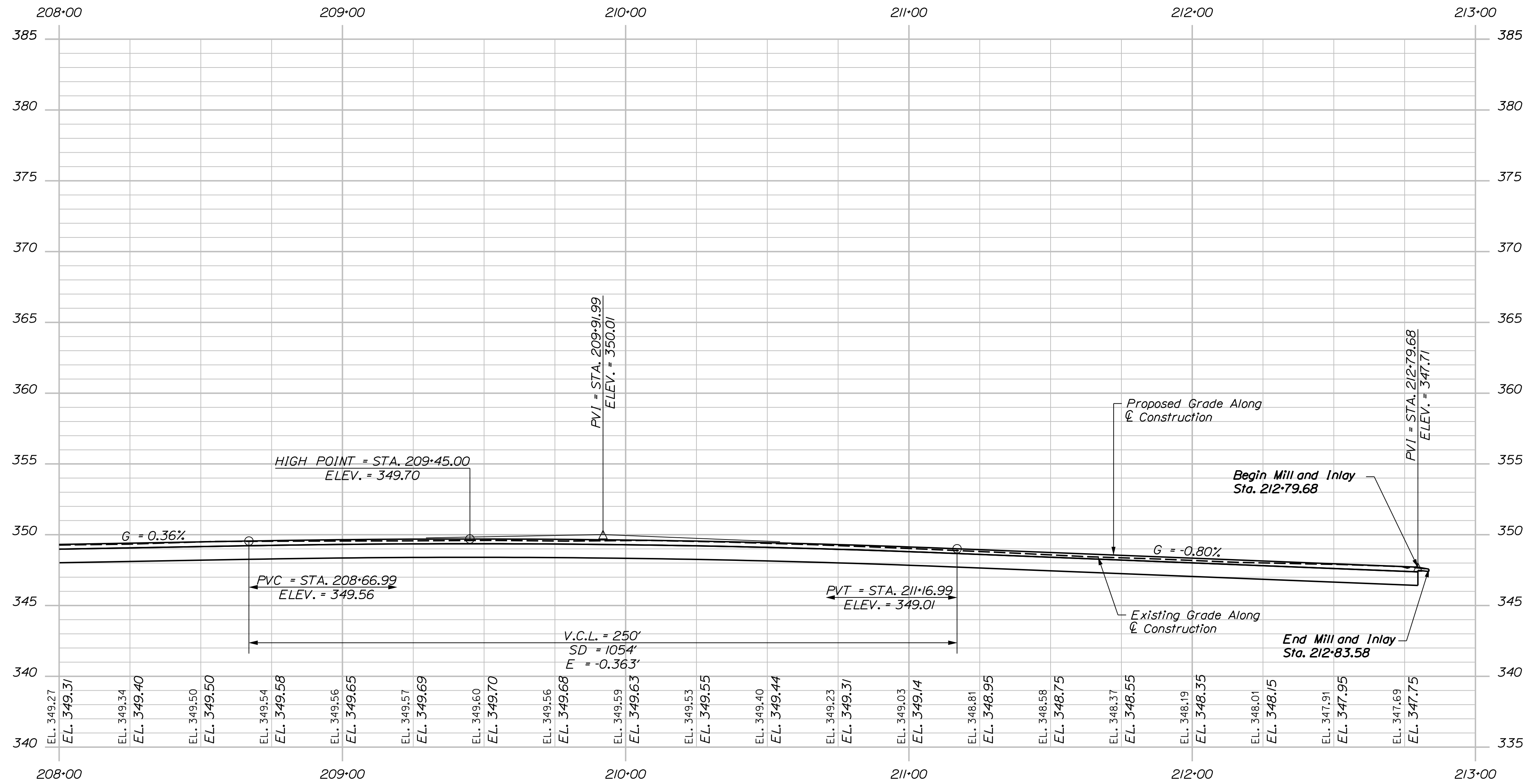
PROJ. MANAGER	T. LESIEGE	BY	DATE
DESIGN-DETAILED	M. O'BRIEN		
CHECKED-REVIEWED	R. LUCHINI		
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
PROFILE TAXIWAY "E"
(1 OF 2)

SHEET NUMBER

25

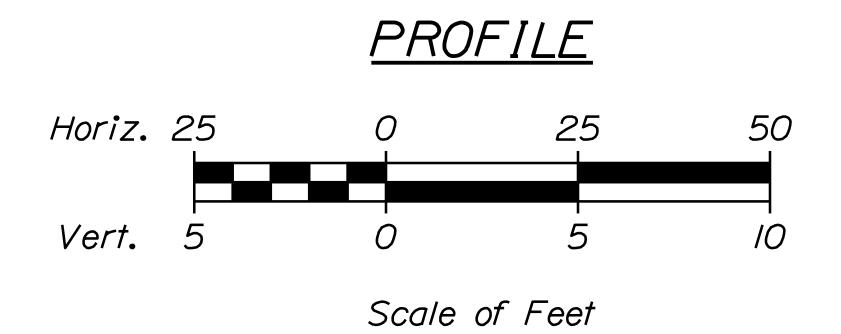
OF 62



PROFILE TAXIWAY 'E'

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION



MATTHEW T. O'BRIEN
SIGNATURE
12842
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DESIGN-DETAILED	M. O'BRIEN		
CHECKED-REVIEWED			
DESIGN-DETAILED	R. LUCHINI		
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FIELD CHANGES			

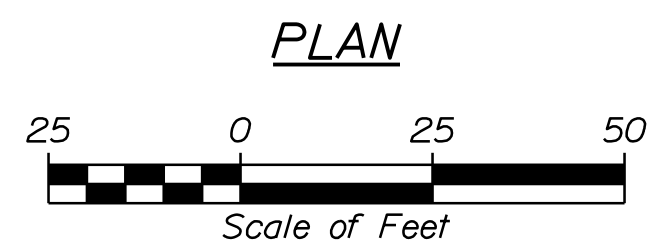
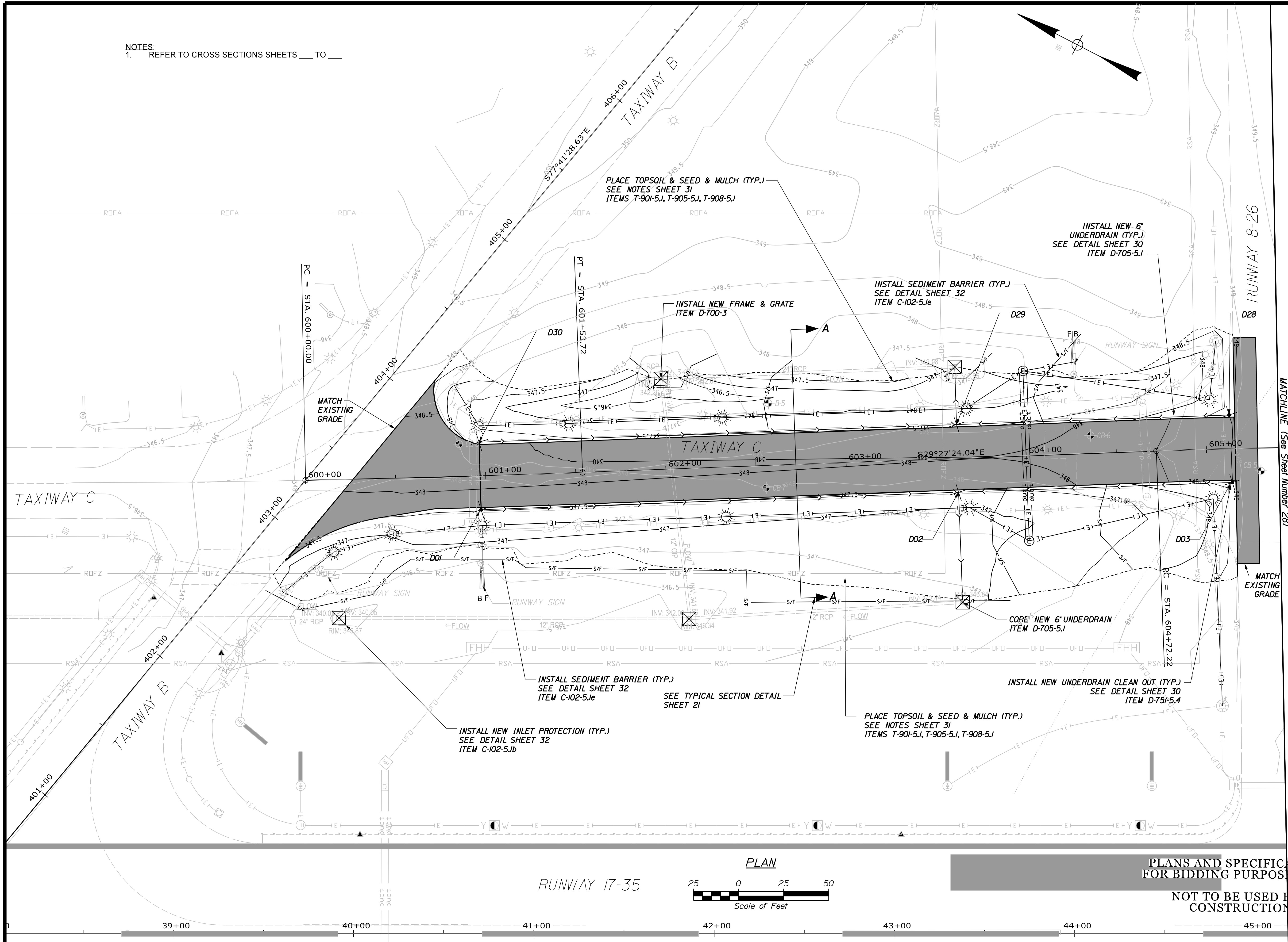
AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
PROFILE TAXIWAY "E"
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NOTES:
1. REFER TO CROSS SECTIONS SHEETS ___ TO ___



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY

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CONSTRUCTION

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Grading_Erosion_Control_1.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN #PINUMBERS\$
FAA AIP 3-23-0003-XXX-2021



MATTHEW I. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	T. LESIGEE
DESIGN DETAILED		M. O'BRIEN	
CHECKED/REVIEWED		R. LUCHINI	
DESIGNS DETAILED			
REVISIONS 1			
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
GRADING, DRAINAGE AND
EROSION CONTROL PLAN (1 OF 3)

SHEET NUMBER

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Date: 4/12/2021

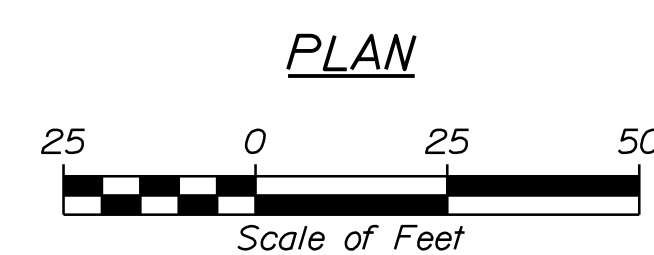
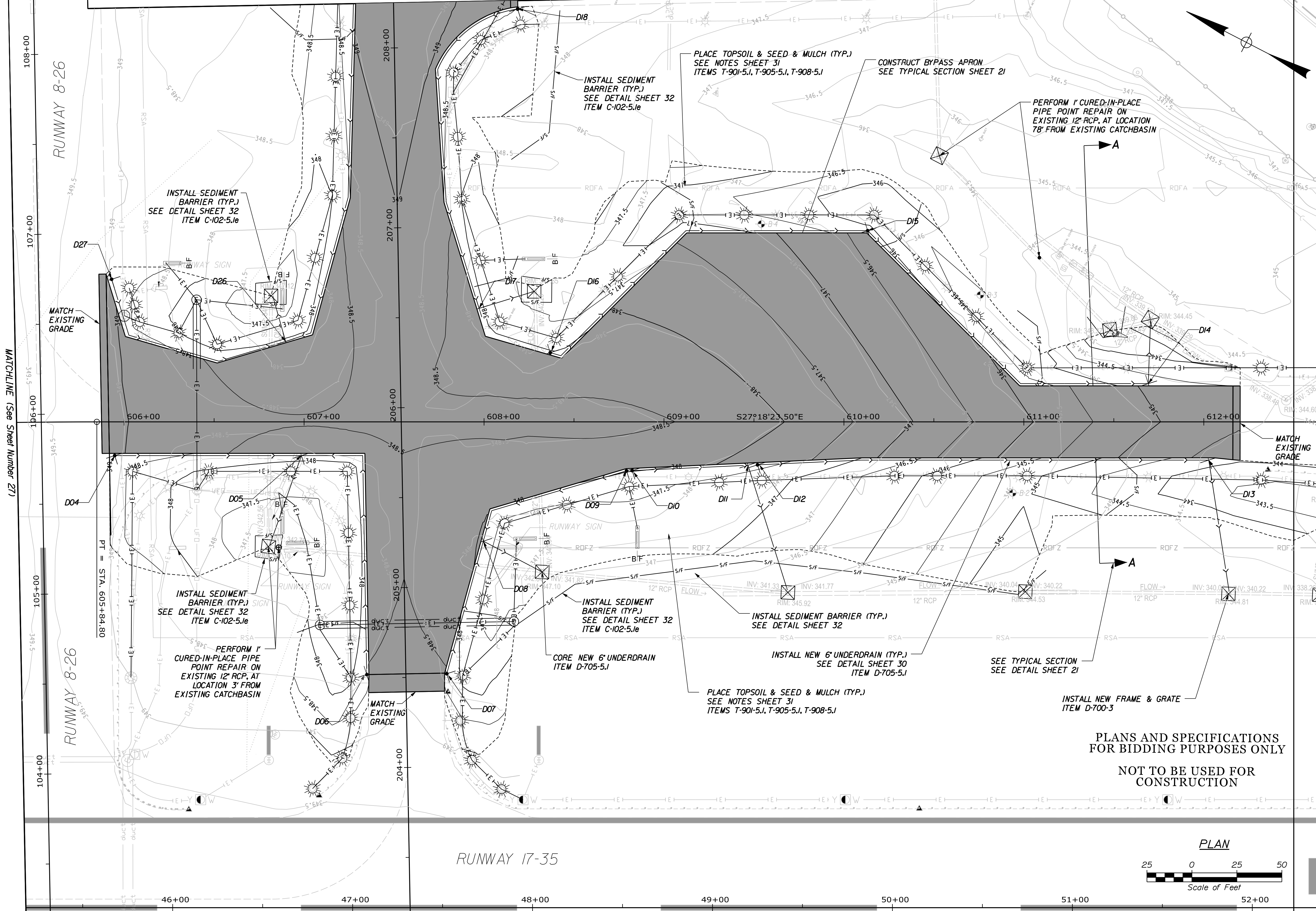
Username: rluchini

Division:

Filename: ... \Grading_Erosion_Control_2.dgn

NOTES:
1. REFER TO CROSS SECTIONS SHEETS 40 TO 59.

MATCHLINE (See Sheet Number 29)



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA AIP 3-23-0003-XXX-2021

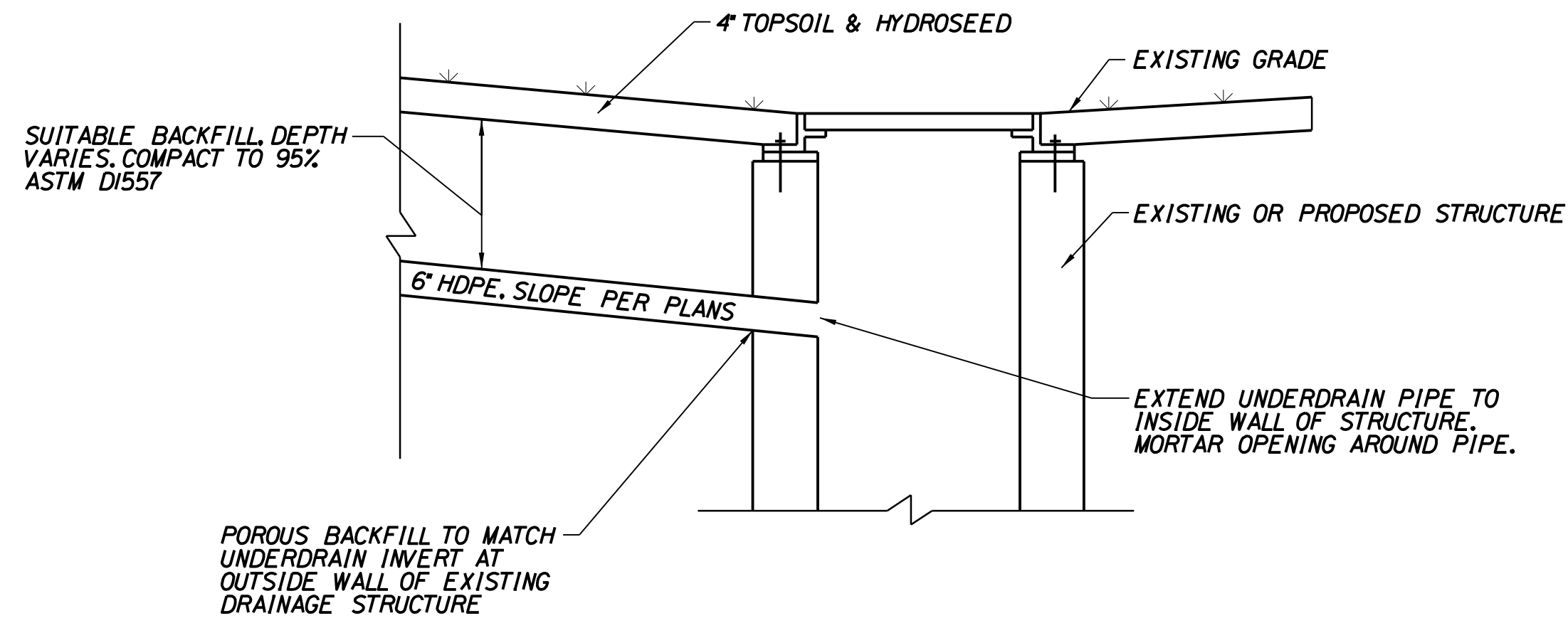


MATTHEW I. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	T. LESIGE	DATE
DESIGN DETAILER	M. O'BRIEN	
CHECKED/REVIEWED	R. LUCHINI	
DESIGN DETAILER	R. LUCHINI	
REVISIONS 1		
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REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
GRADING, DRAINAGE AND
EROSION CONTROL PLAN (2 OF 3)

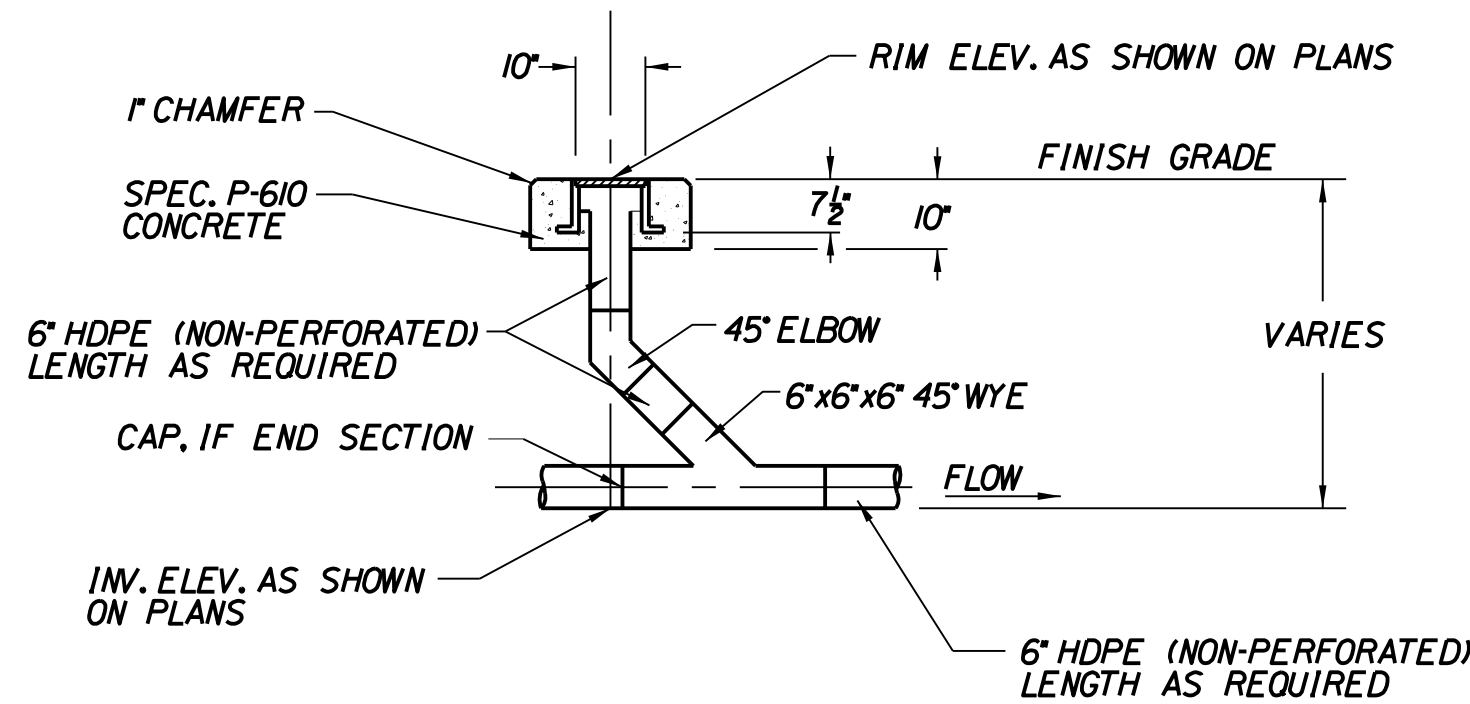
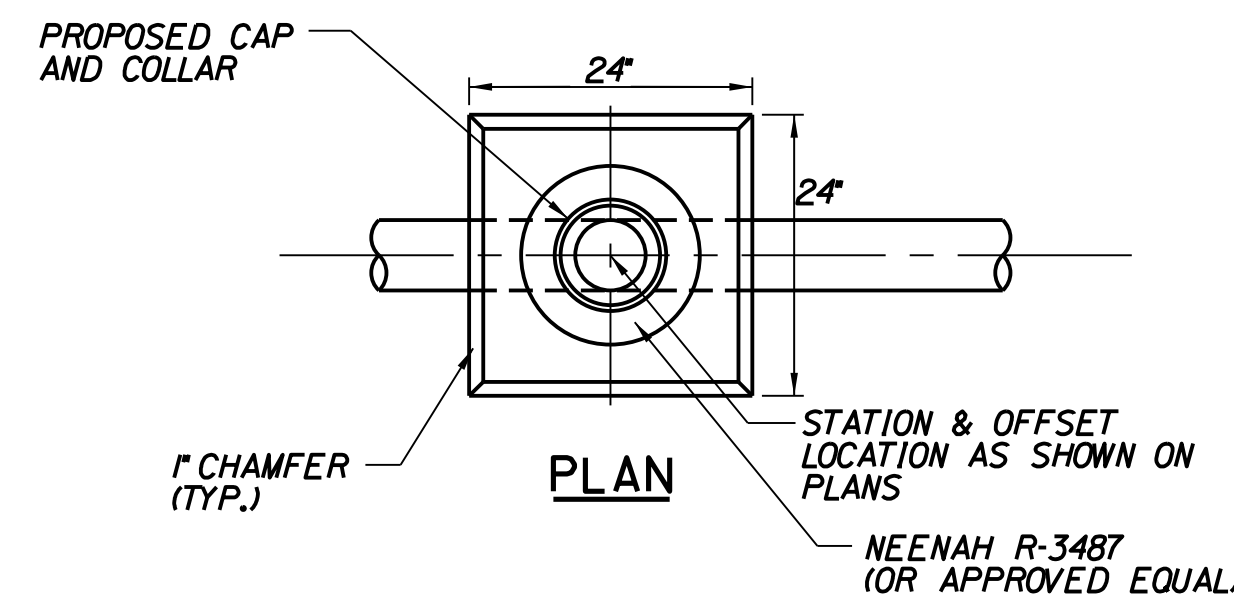
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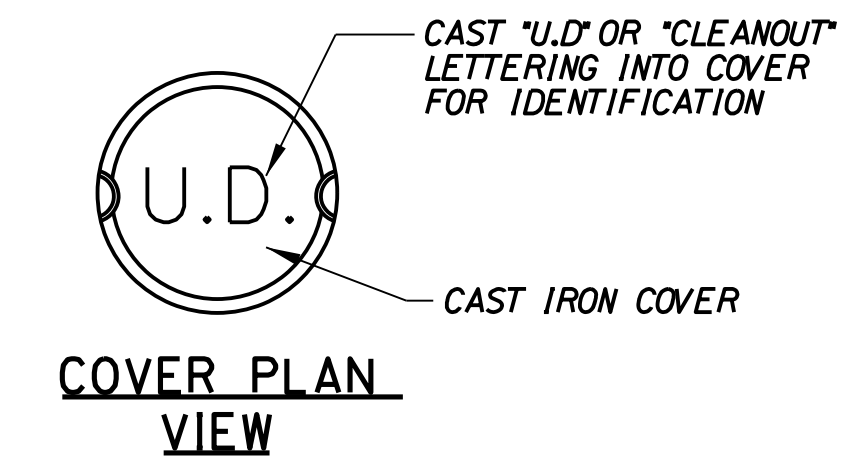
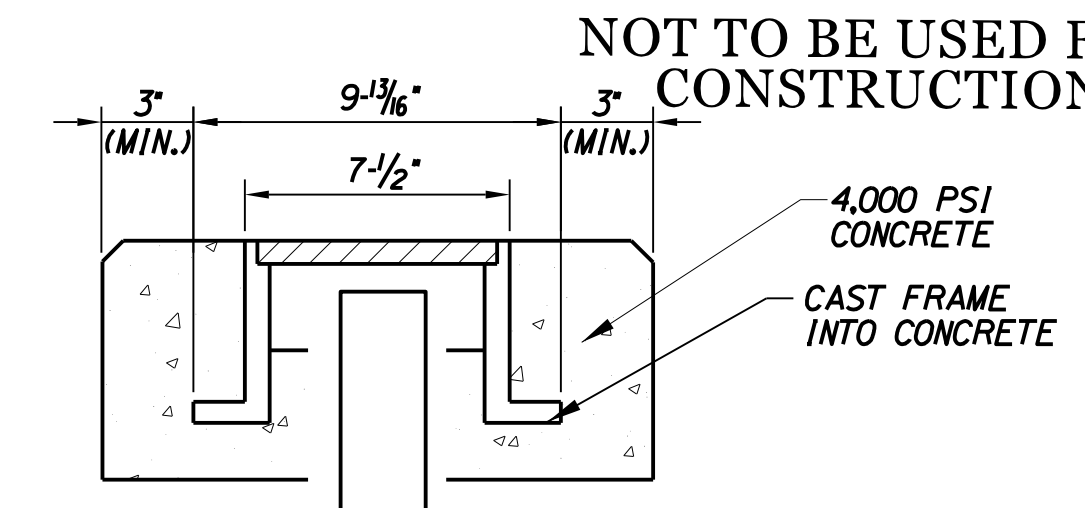
1. WHEN UNDERDRAIN TERMINATES AT STRUCTURE THE PIPE SHALL BE PLACED SO THAT IT PENETRATES THE FULL WALL OF THE STRUCTURE AND MORTAR PLACED AT ALL VOIDS.
2. ALL WORK ASSOCIATED WITH OUTLETTING UNDERDRAIN TO DRAINAGE STRUCTURE SHALL BE INCLUDED IN ITEM D-705-5.1.
3. CONTRACTOR SHALL VERIFY OUTLET ELEVATION & CONSTRUCTABILITY PRIOR TO INSTALLING UNDERDRAIN.

UNDERDRAIN TIE-IN DETAIL
(ITEM D-705-5.1)
NOT TO SCALE



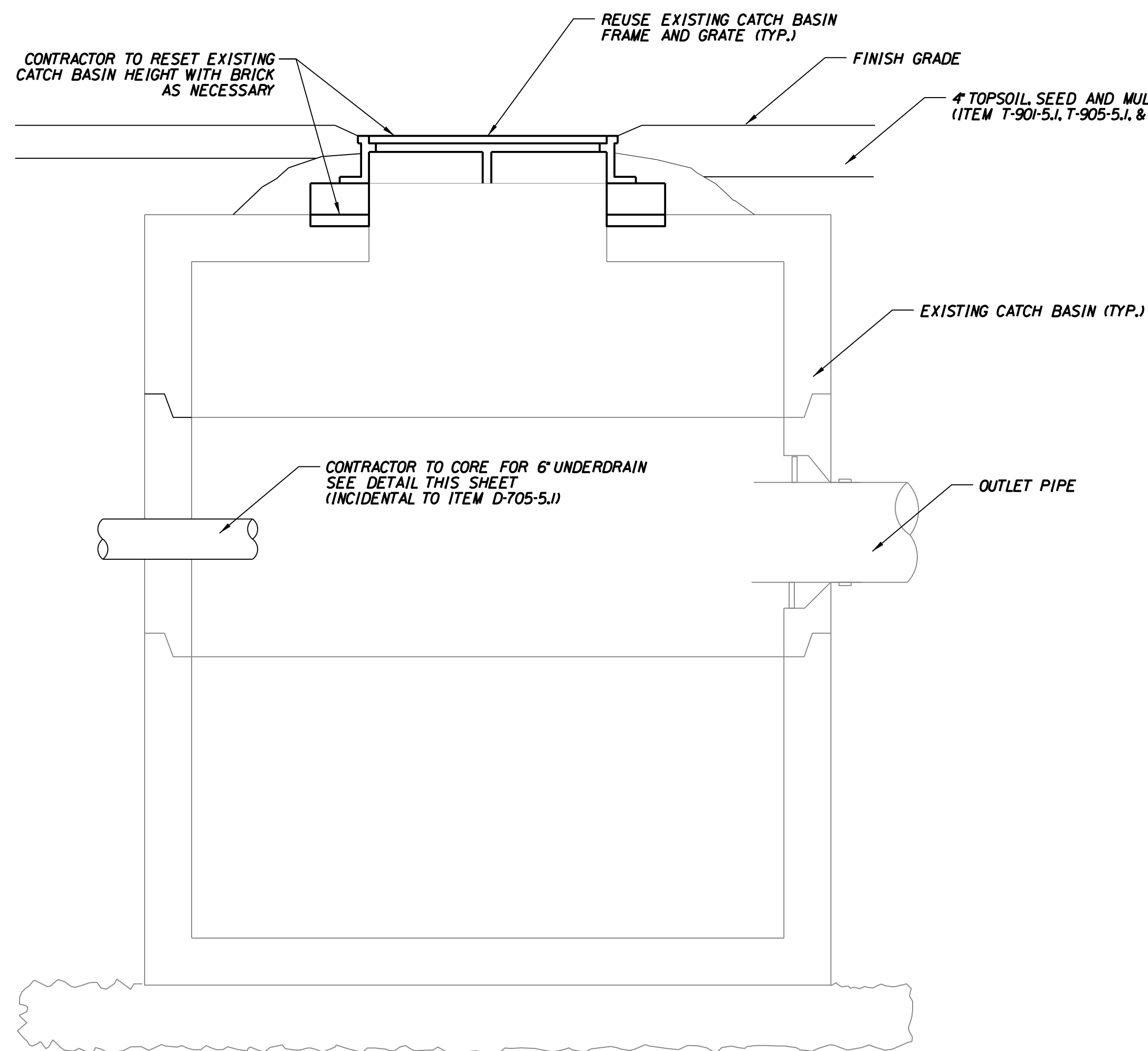
UNDERDRAIN CLEAN OUT DETAIL
(ITEM D-751-5.4)
NOT TO SCALE

UNDERDRAIN CLEANOUT COVER DETAIL
(ITEM D-751-5.4)
NOT TO SCALE

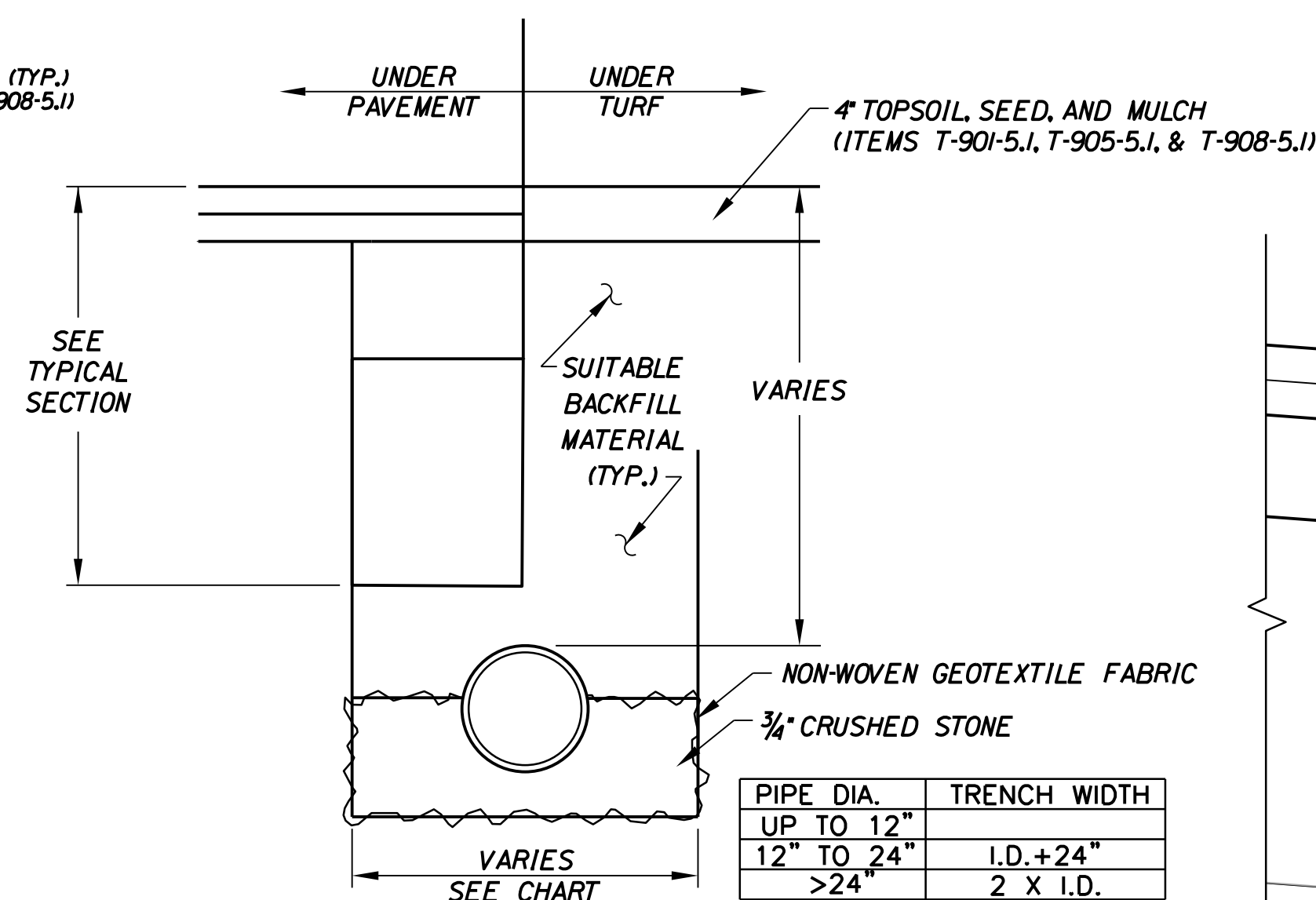


NOTES:

1. ALL ITEMS SHOWN SHALL BE CONSIDERED INCIDENTAL UNLESS OTHERWISE NOTED IN THE DETAIL.
2. SUBGRADE SHALL BE COMPACTED TO 95% OF ASTM D698.
3. THE FRAME AND GRATE FOR ALL AIRFIELD CATCH BASINS LOCATED OUTSIDE THE SAFETY AREA SHALL BE EXTRA HEAVY DUTY (CAPABLE OF HANDLING LOADS GREATER THAN 100,000 LBS.) AND A MINIMUM OPENING AREA OF 3.2 S.F.
4. THE FRAME AND GRATE FOR ALL AIRFIELD CATCH BASINS LOCATED INSIDE THE SAFETY AREA SHALL BE AIRCRAFT LOADING R-3475 (OR APPROVED EQUAL), AND A MINIMUM OPENING OF 2.7 S.F.



EXISTING CATCH BASIN RIM ADJUSTMENT DETAIL
N.T.S.
(INCIDENTAL TO ITEM D-700-3)

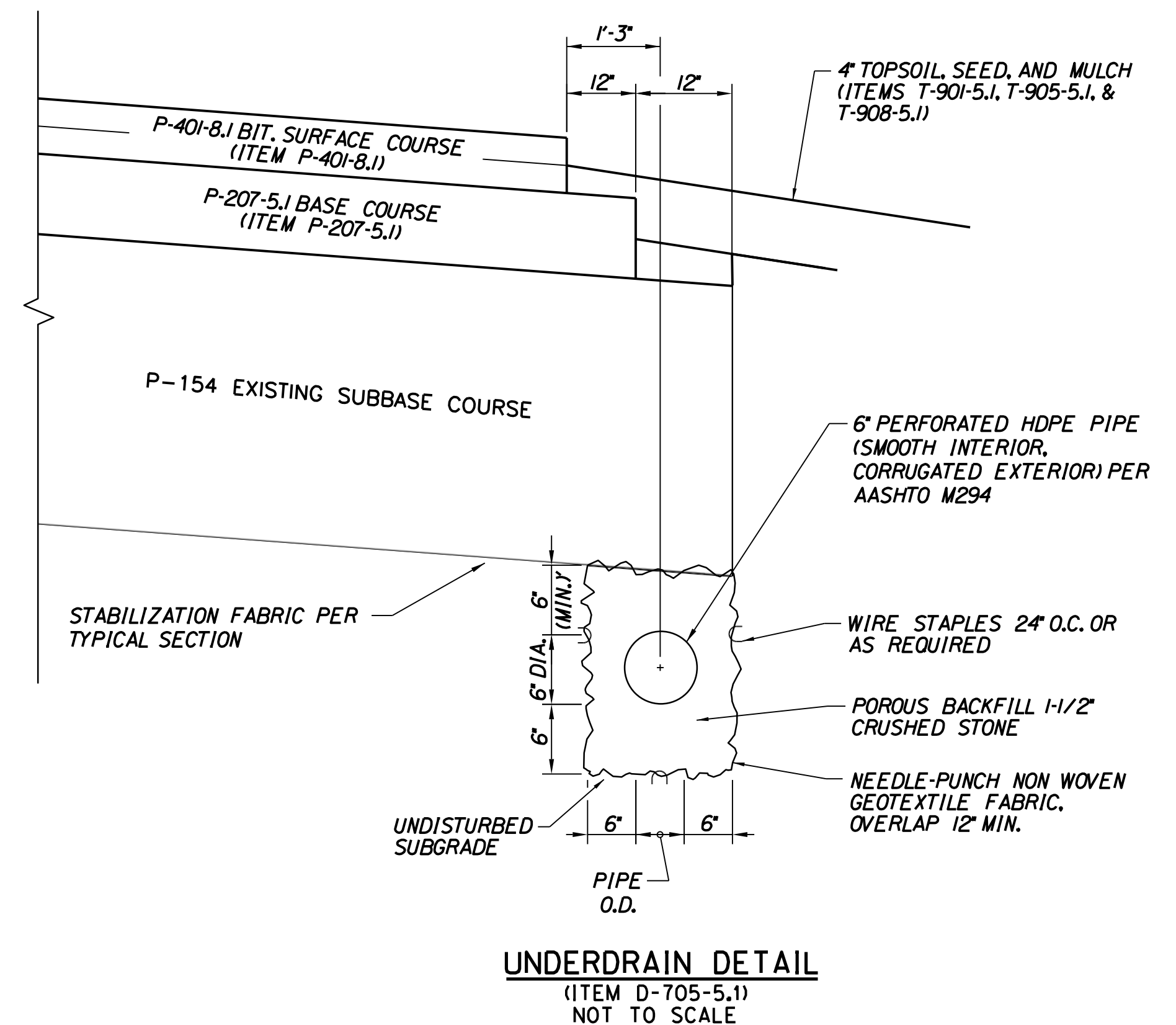


NOTES:

1. CONTRACTOR SHALL SHORE TRENCH SIDES AS REQUIRED.
2. CONTRACTOR SHALL DEWATER TRENCH EXCAVATION AS REQUIRED.
3. CONTRACTOR SHALL COMPACT THE EXCAVATED SUBGRADE TO 95% OF ASTM D-698 UNDER TURF AND 100% OF ASTM D-1557 UNDER PAVEMENT AND WITHIN 10' OF ALL EDGES OF PAVEMENT EVEN IN TURF.

DRAIN PIPE TRENCH DETAIL
(ITEM D-701-5.1)
NOT TO SCALE

PIPE SHALL BE INSTALLED IN THE CENTER OF THE TRENCH. WORK INCLUDES DEWATERING AS NECESSARY. ALL WORK DESCRIBED IN THIS DETAIL TO BE PAID UNDER ITEM D-701-5.1.



UNDERDRAIN DETAIL
(ITEM D-705-5.1)
NOT TO SCALE

ALL COSTS ASSOCIATED WITH UNDERDRAIN INSTALLATION INCLUDING OUTLETS, CONNECTION TO STRUCTURE AND END SECTIONS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM D-705-5.1.

ALL UNDERDRAIN PIPE TO BE SMOOTH INTERIOR/CORRUGATED EXTERIOR HDPE. TUBING IS NOT ALLOWED.

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Drain_Eros_Details_1.dgn



DATE: 04-12-2021
SIGNATURE: MATTHEW T. O'BRIEN
P.E. NUMBER: 12842

PROJ. MANAGER	DESIGN DETAILED	CHECKED/REVIEWED	DESIGNS DETAILED	DESIGNS DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESIEGE	M. O'BRIEN	R. LUCHINI							

SHEET NUMBER

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EROSION CONTROL SPECIFICATIONS FOR UPLAND AREAS:

- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS, MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), AND ANY FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
- RECOGNIZING THAT IMMEDIATE ATTENTION TO EROSION CONTROL PRACTICES DRAMATICALLY IMPROVES SOIL AND MOISTURE CONSERVATION AND REDUCES NEGATIVE IMPACTS ON WATER QUALITY, THE CONTRACTOR SHALL GIVE HIGH PRIORITY TO THE DAILY AND TIMELY INSTALLATION OF BOTH TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES. IMMEDIATE INSTALLATION OF PRACTICES USUALLY REDUCES LONG TERM COSTS TO THE CONTRACTOR.
- EROSION CONTROL PRACTICES ARE SHOWN ON THE PLANS WITH RESPECT TO LOCATION AS DETERMINED FROM EXISTING TOPOGRAPHY. CHANGES MAY BE INDICATED IN THE FIELD TO IMPROVE EROSION AND SEDIMENT CONTROL.
- CONSTRUCTION SHALL PROCEED UNIT BY UNIT TO FACILITATE INSTALLATION OF EROSION CONTROL MEASURES AND THE COMPLETION OF GRADING, SEEDING, AND LANDSCAPING AS SOON AS POSSIBLE WITHIN A UNIT. THIS PROCEDURE SHOULD RESULT IN THE EXPOSURE OF THE SMALLEST PRACTICAL LAND AREA AT ANY ONE TIME.
- ALL DISTURBED UPLAND AREAS SHALL HAVE TOPSOIL SPREAD (4" MINIMUM (REFER TO PLANS) WITHIN TWO WEEKS AND BE LIMED, FERTILIZED, TILLED, SEEDED AND MULCHED. ALL SLOPES 3:1 (1 RISE ON 3 RUN) AND STEEPER SHALL HAVE MULCH HELD IN PLACE WITH BIODEGRADABLE JUTE NETTING OR EROSION CONTROL BLANKET, STAPLED AND STAKED. EACH AREA SHALL BE LIMED, FERTILIZED, PREPARED, SEEDED AND MULCHED (WITH ANCHORED NETTING OR BLANKET IF REQUIRED) WITHIN 14 DAYS OF FINAL GRADING. WHEN PERMANENT SEEDING CANNOT BE INSTALLED BY SEPTEMBER 15, TEMPORARY SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE INSTALLED IMMEDIATELY AND MAINTAINED IN THAT CONDITION UNTIL PERMANENT PRACTICES CAN BE INSTALLED IN THE FOLLOWING PLANTING SEASON.
- TEMPORARY STABILIZATION OF DISTURBED UPLAND AREAS (IF REQUIRED):
 SEEDBED PREPARATION: TILL FOUR INCHES DEEP MIXING IN FERTILIZER AND GROUND LIMESTONE.
 APPLY LIMESTONE 2 TONS/ACRE (100#/1,000 SQ. FT.) OR ACCORDING TO SOIL TEST.

 FERTILIZE: UNIFORMLY APPLY NOT LESS THAN 400#/ACRE (14#/1,000 SQ. FT.) OF 10-10-10 OR EQUIVALENT OR AS INDICATED BY SOIL TEST. FORTY PERCENT OF NITROGEN SHOULD BE IN ORGANIC FORM.

 TEMPORARY SEEDING: SELECT APPROPRIATE SEEDING MIXTURE FROM TABLE 1. SPREAD SEED UNIFORMLY. FIRM SOIL BY ROLLING OR PACKING; IF NOT FEASIBLE, THEN RAKE LIGHTLY TO COVER SEEDS.

 MULCHING: MULCH ALL DISTURBED AREAS WITH 2 TONS OF HAY OR STRAW PER ACRE (90-100#/1,000 SQ. FT.). ANCHOR ON ALL SLOPES 3:1 OR STEEPER AND FLATTER SLOPES SUBJECT TO WASH OR WIND BLOWN. USE JUTE (OR OTHER BIODEGRADABLE) NETTING OR BLANKET. STAKING AND STAPLING MAY BE REQUIRED.
- OVERWINTER STABILIZATION OF DISTURBED UPLAND AREAS:
 - IF CONSTRUCTION OCCURS AFTER NOVEMBER 1ST, ALL DISTURBED AREAS SHOULD BE STABILIZED DAILY IF THE CONSTRUCTION IS ACTIVE. ANY EROSION OR DISCHARGES SHOULD BE REPAIRED IMMEDIATELY.
 - NO MORE THAN 1 ACRE SHOULD BE ACTIVELY WORKED ON AT ANY ONE TIME WITHOUT REGULAR INSPECTION; OR THE EXPOSED AREA SHOULD BE LIMITED TO WHICH CAN BE MULCHED IN ONE DAY. ANY MEASURES NECESSARY TO CONTROL EROSION/SEDIMENTATION SHOULD BE INSTALLED FOR THE CONDITIONS AT THE SITE (SOIL ERODIBILITY, SLOPE, GROUNDWATER, SIZE, WEATHER CONDITIONS, ETC.)
 - FOR OVER-WINTER PROTECTION, A DOUBLE ROW OF SEDIMENT BARRIERS (SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX, ETC.) SHOULD BE PLACED WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE.
 - ALL HAY MULCH SHOULD BE ANCHORED WITH NETTING, ASPHALT EMULSION CHEMICALS, TRACKING OR EROSION CONTROL MIX AFTER NOVEMBER 1ST. THE GROUND SURFACE SHOULD BE INVISIBLE UNDER THE MULCH.

- LOAM OR SEED IS NOT EFFECTIVE AFTER OCTOBER 15. FINISHED AREAS CAN BE MULCHED WITHOUT SEEDING OR WITH DORMANT SEEDING APPLIED AT A 3 TIMES THE SPECIFIED RATE FOR PERMANENT SEEDING. ALL AREAS SEEDED DURING THE WINTER SHOULD BE INSPECTED IN THE SPRING AND REVEGETATED IF THE CATCH IS LESS THAN 75%.
- ALL VEGETATED AREAS WITH A SLOPE OF 15% OR LESS SHOULD HAVE 90% GRASS COVER BY NOVEMBER 1ST OR SHOULD BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SF, MULCHED WITH HAY AT 75 POUNDS PER 1000 SF, AND ANCHORED WITH NETTING. OR BY NOVEMBER 15 THE AREA SHOULD BE PROTECTED WITH AN EROSION CONTROL BLANKET, EROSION CONTROL MIX, OR HAY AT A RATE OF AT LEAST 150 POUND PER 1000 SF.
- ALL VEGETATED SLOPES GREATER THAN 15%, SHOULD BE SEEDED AND MULCHED BY SEPTEMBER 1. IF A SLOPE IS NOT STABILIZED BY OCTOBER 15, THE SOIL MAY BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SF AND PROTECTED WITH EROSION CONTROL BLANKETS. IF THE RYE FAILS TO GROW THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 15 THE SLOPE SHOULD BE PROTECTED WITH AN EROSION CONTROL BLANKET, EROSION CONTROL MIX, OR RIPRAP.
- ALL GRASS LINED DITCHES AND CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. IF A DITCH OR CHANNEL IS NOT SUFFICIENTLY GRASSED OVER (75% COVER) BY NOVEMBER 15TH, THE DITCH SHOULD BE LINED WITH STONE RIPRAP. THE DITCH WILL NEED TO BE OVER-EXCAVATED TO ACCOMMODATE THE THICKNESS OF THE RIPRAP.
- SOIL STOCKPILES SHOULD BE MULCHED FOR WINTER PROTECTION WITH HAY AT TWICE THE NORMAL RATE OR WITH A FOUR INCH LAYER OF "EROSION CONTROL MIX". STOCKPILES SHOULD NOT BE LEFT OVERWINTER (EVEN MULCHED) IF WITHIN 100 FEET FROM A PROTECTED RESOURCE.

- PERMANENT STABILIZATION OF DISTURBED UPLAND AREAS:
 SEED BED PREPARATION: TOPSOIL (SANDY TOPSOIL, TOPSOIL, OR SILT TOPSOIL), FRIABLE, FREE OF TREE ROOTS, WEEDS, STONES MORE THAN 1-1/2 INCHES IN DIAMETER OR LENGTH SHALL BE PLACED OVER ALL DISTURBED AREAS IN A 4" MINIMUM (REFER TO PLANS) THICK LAYER.

TOPSOIL: TOPSOIL SHALL BE FREE OF HERBICIDES AND TOXIC MATERIALS. TILL THREE TO FIVE INCHES DEEP MIXING IN THE FERTILIZER AND LIME. APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST AND CURRENT EXTENSION SERVICE RECOMMENDATIONS. IN ABSENCE OF A SOIL TEST, APPLY LIME (A PH OF 5.5-6.0 IS DESIRED) AT A RATE OF 2.5 TONS PER ACRE AND 10-20-20 ANALYSIS FERTILIZER AT A RATE OF 500# PER ACRE (40% OF NITROGEN TO BE IN AN ORGANIC OR SLOW-RELEASE FORM).

SEEDING: USDA RECOMMENDED SEED MIXES:

A. MARYLAND AVIATION ADMIN. MIX	LBS/ACRE	LBS/1000 SF
PREDATOR HARD FESCUE	131.25 (75%)	3.02
SEVEN SEAS CHEWING FESCUE	35.0 (20%)	0.80
WILDHORSE KENTUCKY BLUE GRASS	8.75 (5%)	0.20
TOTALS -	175	4.02

SEEDING METHODS: SEEDING SHOULD BE PERFORMED BY THE FOLLOWING METHOD:
 HYDROSEEDING WITH SUBSEQUENT TRACKING.
 TRACKING THE SEEDING WITH SMALL TRACK CONSTRUCTION EQUIPMENT SHOULD BE ORIENTED UP AND DOWN THE SLOPE.

MULCHING: MULCH ALL DISTURBED AREAS WITH 2 TONS OF HAY OR STRAW PER ACRE (90 - 100#/1,000 SQ. FT.). ANCHOR ON ALL SLOPES 3:1 OR STEEPER AND ON FLATTER SLOPES SUBJECT TO WASH (WATERWAYS AND/OR WINDBLOWN) USING JUTE (OR OTHER BIODEGRADABLE) NETTING OR EROSION CONTROL BLANKET, STAKING, AND STAPLING.

MAINTENANCE: INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEED IMMEDIATELY. CONDUCT A FOLLOW-UP SURVEY AFTER ONE YEAR AND REPLACE FAILED PLANTS WHERE NECESSARY. IF VEGETATIVE COVER IS INADEQUATE TO PREVENT EROSION, OVERSEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST RESULTS. IF A STAND HAS LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND FOLLOWING SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS, OMITTING LIME AND FERTILIZER IN THE ABSENCE OF SOIL TEST RESULTS. IF THE SEASON PREVENTS RESOWING, MULCH OR JUTE NETTING IS AN EFFECTIVE TEMPORARY COVER. SEEDED AREAS SHOULD BE FERTILIZED DURING THE SECOND GROWING SEASON. LIME AND FERTILIZE THEREAFTER AT PERIODIC INTERVALS, AS NEEDED.

- TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.

- MAINTENANCE: DURING THE CONSTRUCTION PERIOD AND UNTIL SUCH TIME AS THE LONG TERM VEGETATION IS ESTABLISHED TO A 70% VEGETATIVE STAND.
 - DISTURBED AREAS WILL BE FERTILIZED AND RESEED.
 - CATCH BASINS AND FILTER BAGS WILL BE CHECKED AND CLEANED AS NECESSARY.
 - DRAINAGE AND GRASS TREATMENT SWALES SHALL BE CHECKED FREQUENTLY AND CLEANED AS REQUIRED.
 - THE SILT FENCES WILL BE CHECKED ON A REGULAR BASIS AND REPAIRED AS NECESSARY TO CORRECT ANY DAMAGE, DETERIORATION, AND SHORT-CIRCUITING.
- REFER TO "GRADING PLANS" FOR THIS PROJECT PRIOR TO ANY SITE DISTURBANCE.
- INSPECTIONS: THE ENGINEER SHALL BE CONTACTED ON A REGULAR BASIS TO INSPECT ALL EROSION CONTROL PRACTICES AS WELL AS THE MAINTENANCE OF THE EROSION CONTROL COMPONENTS. REFER TO CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. EROSION CONTROL PRACTICES SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- THE MAXIMUM AMOUNT OF AREA TO BE DISTURBED AND UNSTABILIZED SHALL BE 5 ACRES AT ANY ONE TIME.
- THE MAXIMUM AMOUNT OF TIME ANY AREA MAY BE DISTURBED WITHOUT STABILIZATION SHALL BE 14 DAYS.

CONSTRUCTION SEQUENCE

- INSTALL INLET PROTECTION/FILTER BAGS AT ALL LOCATIONS INDICATED ON PLAN OR AT OTHER LOCATIONS AS DETERMINED BY ENGINEER. INSTALL OTHER TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AS EARTHWORK PROCEEDS.
- CONTRACTOR SHALL LEGALLY DISPOSE OF ALL SURPLUS UNCLASSIFIED EXCAVATION AT AN APPROVED LOCATION NOTED IN THE SPECIFICATIONS.
- RECLAIM EXISTING PAVEMENT AS REQUIRED.
- ADD SUPPLEMENTAL STONE AND CUT ROUGH GRADE.
- INSTALL ELECTRICAL AND DRAINAGE.
- PAVE NEW AREAS.
- GRADE AREA AS SHOWN ON PLANS AND LOAM, FERTILIZE AND SEED AREAS TO ESTABLISH VEGETATION.
- INSPECT ALL DISTURBED AREAS ON A DAILY BASIS. FOLLOWING THIS DAILY INSPECTION, INSTALL AS REQUIRED ANY AND ALL TEMPORARY DRAINAGE, EROSION, AND SEDIMENT CONTROL PRACTICES AS INDICATED, I.E., DIVERSION CHANNELS, BERMS, DRAINS, DITCHES, STONE DIKES, SILT FENCES, SEED AND MULCH OR OTHER PRACTICES AS RECOMMENDED AND SPECIFIED IN THE "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES".
- CLEAN AND RESTORE SILT DESTINATION SITES. REMOVE OTHER EROSION CONTROL PRACTICES ON A TIMELY BASIS AS PERMANENT MEASURES TAKE HOLD. SPOT FERTILIZE, SEED, AND MULCH AS REQUIRED.
- INSPECT AND MAINTAIN GRADING, EROSION CONTROL AND SEDIMENT CONTROL PRACTICES WEEKLY AND IMMEDIATELY AFTER ALL SUBSTANTIAL STORMS.

EROSION CONTROL INSPECTION AND MAINTENANCE NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION.
- CONSTRUCTION INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE A WEEK AND BEFORE AND AFTER EACH SIGNIFICANT RAINFALL. A SIGNIFICANT RAINFALL EVEN IS MORE THAN 1/2" OF RAINFALL IN A 24-HOUR PERIOD.
- IF ANY CORRECTIVE ACTION IS REQUIRED, IT SHALL BEGIN BY THE END OF THE NEXT WORKDAY AND SHALL BE COMPLETED WITHIN SEVEN DAYS OR BEFORE THE NEXT STORM EVENT, WHICHEVER COMES FIRST.
- THE CONTRACTOR SHALL DOCUMENT AND MAINTAIN RECORD OF FORMS DURING CONSTRUCTION. DOCUMENTATION OF CORRECTIVE ACTIONS DURING CONSTRUCTION SHALL BE MAINTAINED WITH THE PROPER INSPECTION FORMS AND FOR A MINIMUM OF THREE YEARS AFTER PERMANENT STABILIZATION HAS BEEN ACHIEVED.
- ALL CONSTRUCTION INSPECTIONS SHALL BE CONDUCTED BY SOMEONE WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING STANDS AND CONDITIONS IN THE PERMIT.
- THE SCOPE OF CONSTRUCTION INSPECTIONS SHALL INCLUDE DISTURBED AND IMPERVIOUS AREAS, MATERIAL STORAGE AREAS, AND VEHICLE ACCESS POINTS IN ADDITION TO ANY EROSION AND SEDIMENT CONTROL MEASURES.

OVERWINTER EROSION CONTROL MIX INSTALLATION

- CAN BE INSTALLED ON FROZEN GROUND, FORESTED AREAS, AND ON CUT AND FILL SLOPES.
- A THICKNESS OF 2 INCHES ON 3:1 SLOPES OR LESS SHALL BE APPLIED. AN ADDITIONAL 1/2 INCH PER 20 FEET OF SLOPE OR UP TO 4 INCHES FOR A 100 FOOT SLOPE.
- ON SLOPES GREATER THAN 3:1, 4 INCHES OR MORE OF MATERIAL IS RECOMMENDED; AND IF SLOPES ARE GREATER THAN 60 FEET LONG, 5 INCHES ARE NEEDED.
- EROSION CONTROL MIX IS NOT RECOMMENDED ON SLOPES GREATER THAN 1:1.
- THE MIX MUST BE DISTRIBUTED EVENLY WITH A HYDRAULIC BUCKET, PNEUMATIC BLOWER, OR BY HAND. OTHER REINFORCEMENT BMP'S (I.E. RIPRAP) SHOULD BE USED ON SLOPES WITH GROUNDWATER SEEPAGE, WITHIN DRAINAGE CHANNELS AND THEIR OUTLETS, OR IN GULLIES.

TABLE 1 - TEMPORARY UPLAND STABILIZATION PLANT SELECTION AND SEEDING RATES			
SPECIES	PER ACRE	PER 1000 SQ.FT.	REMARKS
WINTER RYE	120 LBS.	3 LBS.	BEST FOR FALL. SEEDING. SEED AUGUST 15 TO OCTOBER 15 FOR BEST COVER. SEED TO DEPTH OF ONE TO 1 1/2 INCHES.
OATS	2 1/2 BU OR 80 LBS.	2 LBS.	BEST FOR SPRING SEEDINGS. SEED BETWEEN APRIL 1 TO JULY 1 OR AUGUST 15 TO SEPTEMBER 15. SEED TO DEPTH OF ONE INCH.
ANNUAL RYE	40 LBS.	1 LB.	GROWS QUICKLY, BUT IS OF SHORT GRASS DURATION USE WHERE APPEARANCES ARE IMPORTANT. COVER SEED WITH NO MORE THAN 1/4 INCH OF SOIL. WITH MULCH, SEEDING MAY BE DONE THROUGHOUT GROWING SEASON. SEED BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 & SEPTEMBER 15.
FOXTAIL MILLET	30 LBS.	0.7 LB.	MAY 1 TO JUNE 30. SEED TO DEPTH OF 1/2 TO 3/4 INCH.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA AIP 3-23-0003-XXX-2021



MATTHEW T. OBRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY	T. LESIGEE	DATE
DESIGN-DETAILED			M. OBRIEN	
CHECKED-REVIEWED			R. LUCHINI	
DESIGNS-DETAILED				
DESIGNS-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 DRAINAGE AND EROSION CONTROL DETAILS (2 OF 3)

SHEET NUMBER
 31
 OF 62

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

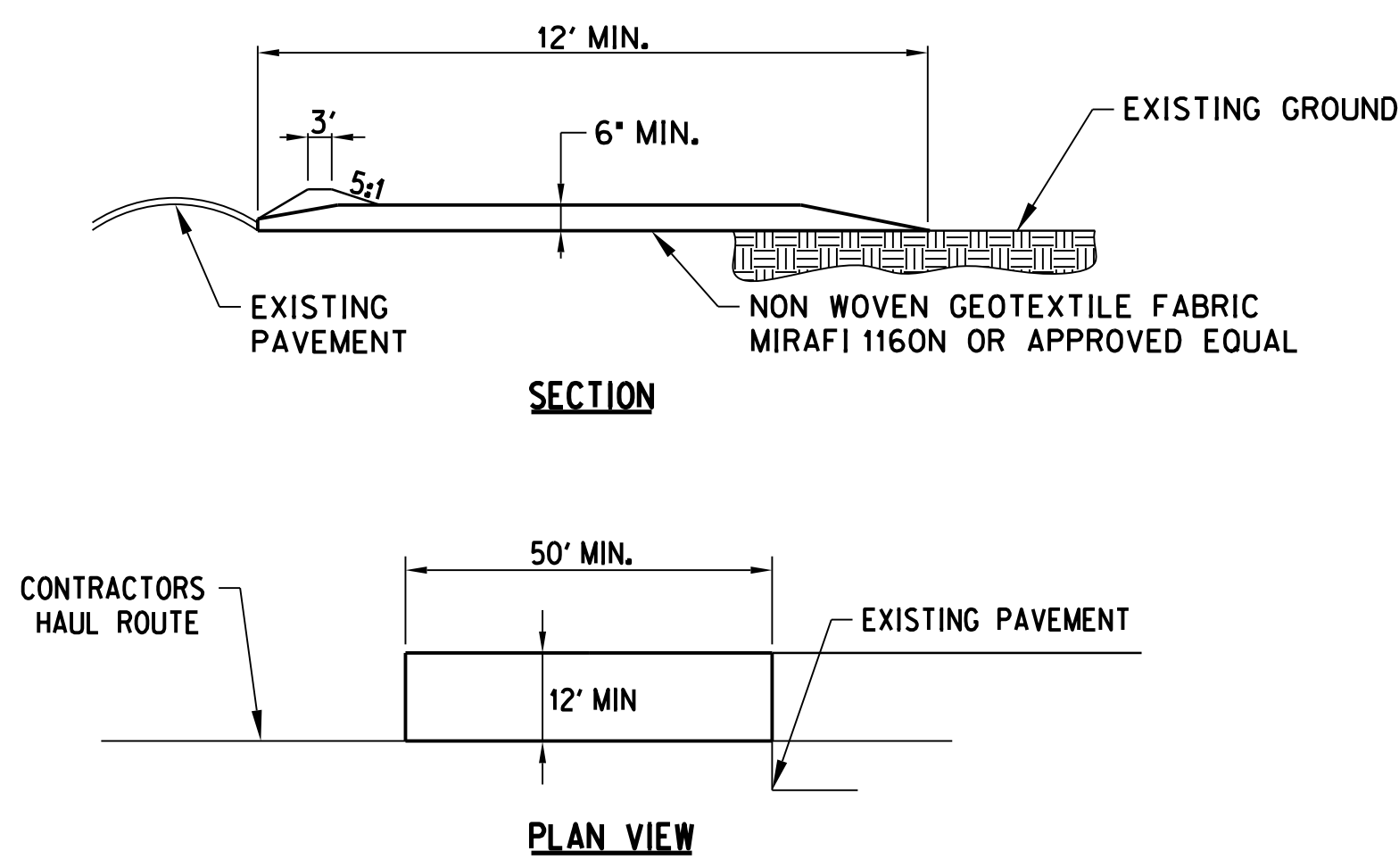
NOT TO BE USED FOR CONSTRUCTION

Date: 4/12/2021

Username: rluchini

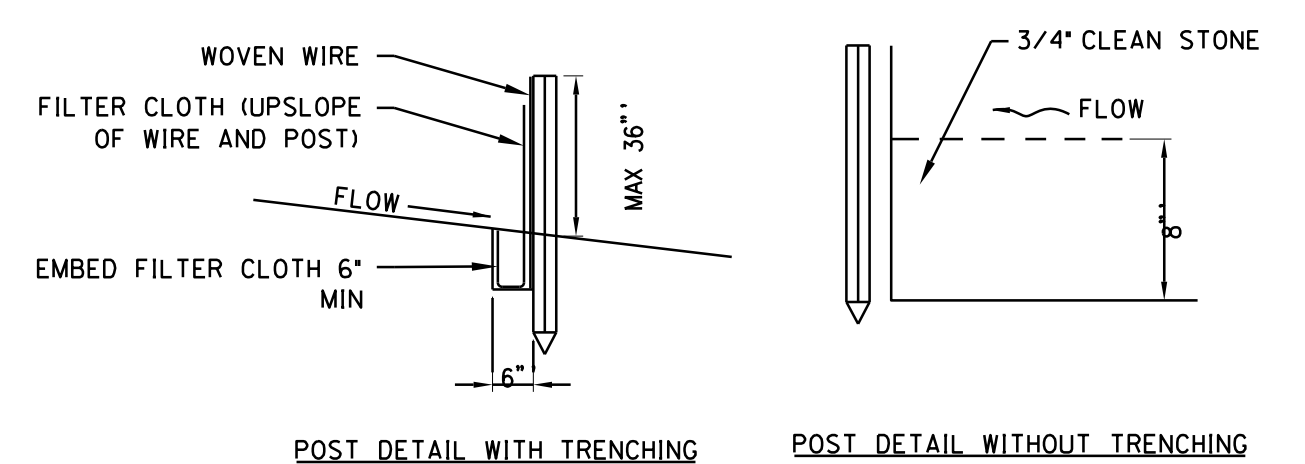
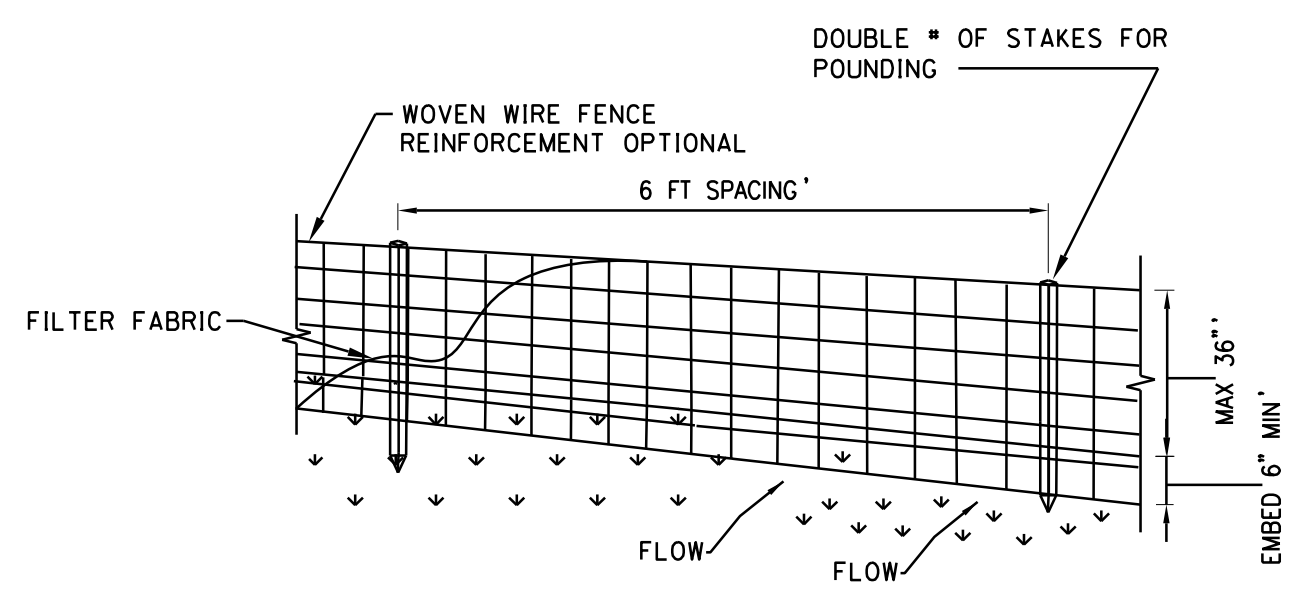
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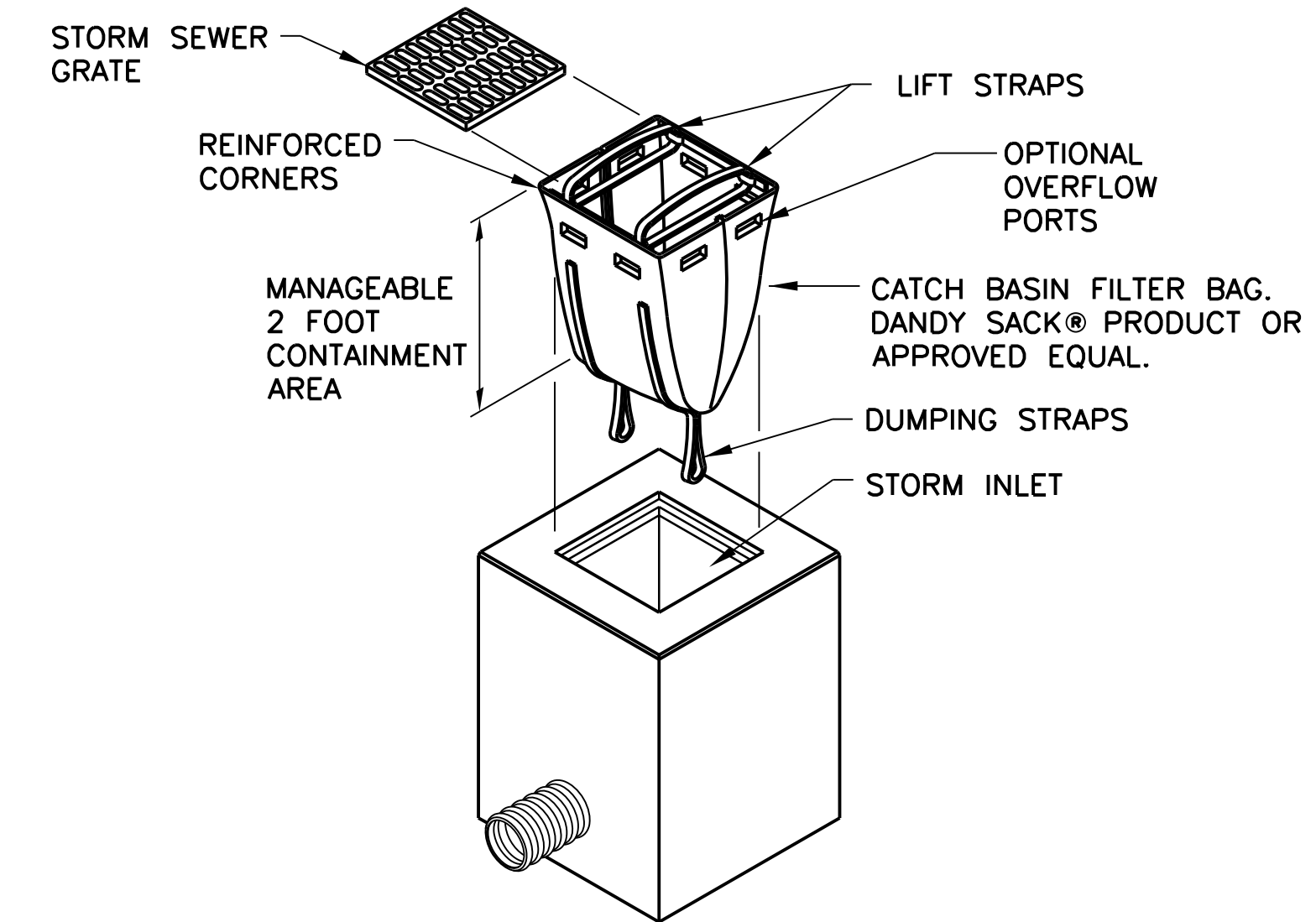
- STABILIZED CONSTRUCTION ENTRANCE NOTES:**
1. STONE SIZE - USE 1"-3" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
 2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
 3. THICKNESS - NOT LESS THAN 8".
 4. WIDTH - 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
 5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
N.T.S.
(ITEM C-102-5.1c)

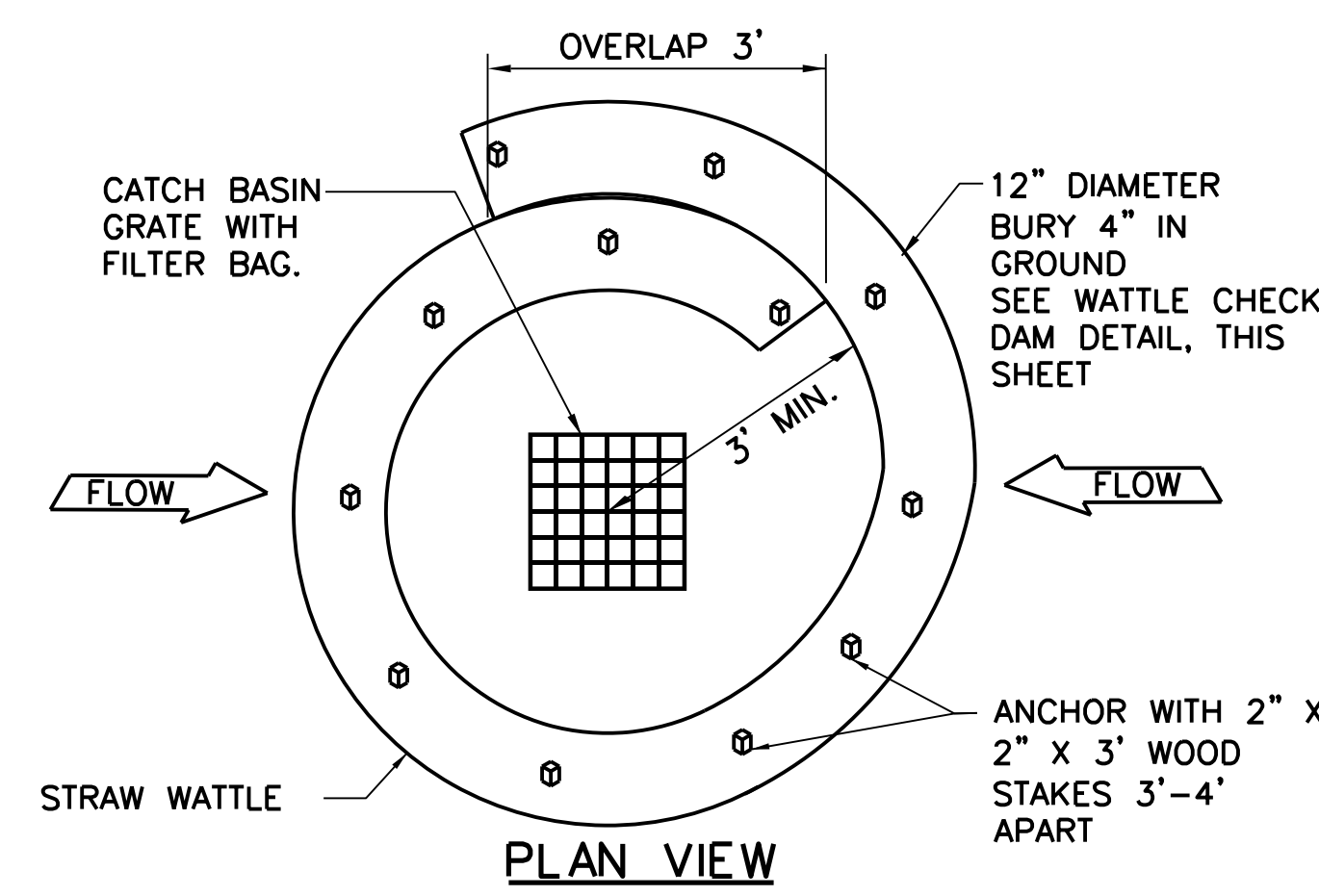


- NOTE**
1. WOVEN WIRE REINFORCED FENCE IS OPTIONAL.
 2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF1100X, STABILINKA T140N OR APPROVED EQUIVALENT.
 3. POST SPACING SHALL NOT EXCEED 6'.
 4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.
 7. SILT FENCE SHALL NOT BE USED AS LIMIT OF DISTURBANCE.

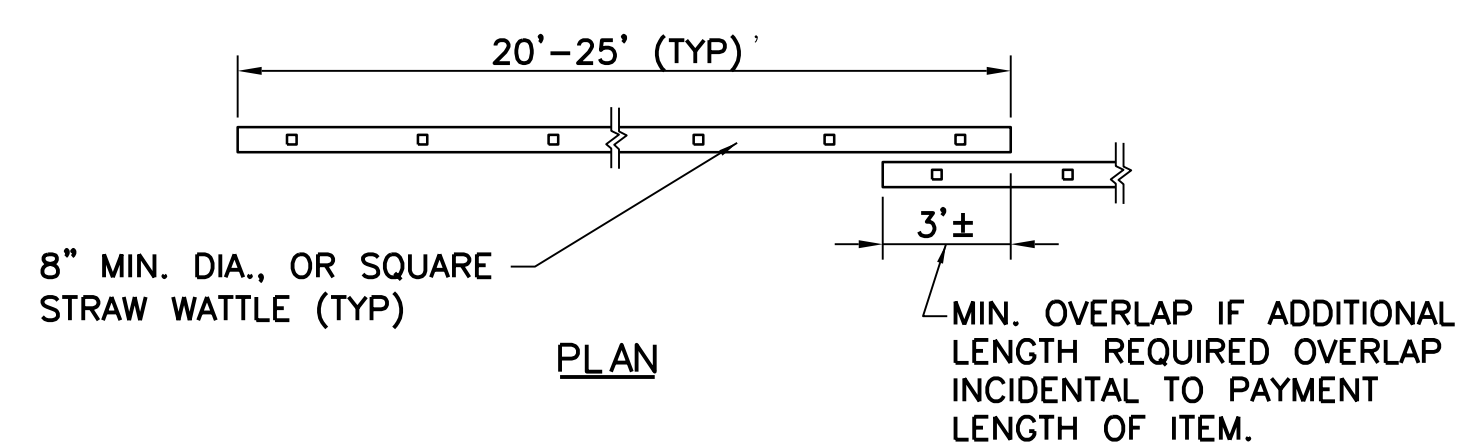
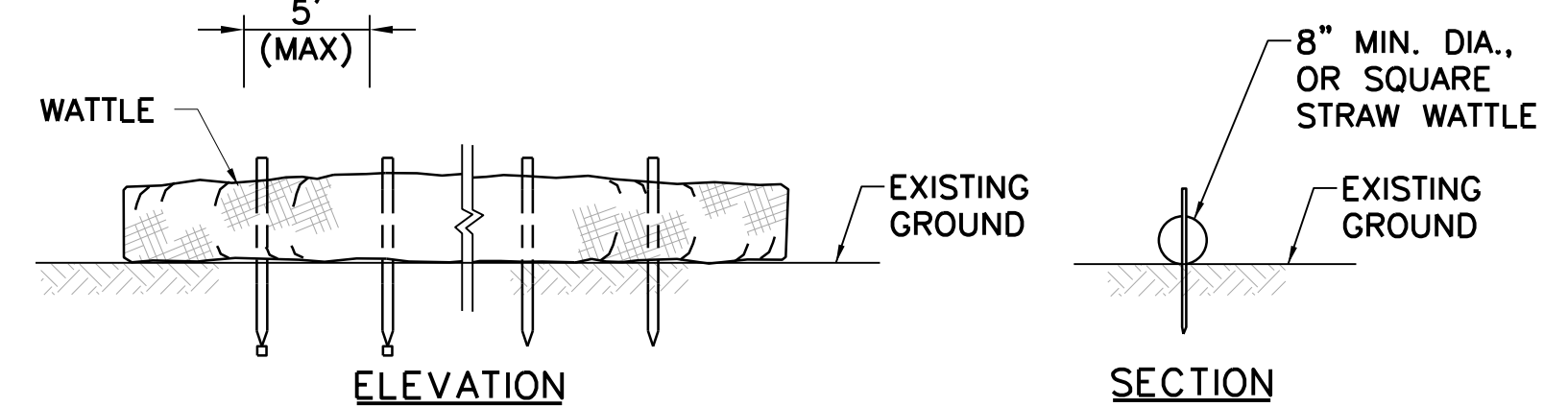
SEDIMENT BARRIER - SILT FENCE
NOT TO SCALE
(ITEM C-102-5.1e)



INLET PROTECTION (FILTER BAG) INSTALLATION
N.T.S.
(ITEM C-102-5.1b)



WATTLE INLET PROTECTION



SEDIMENT BARRIER - WATTLES
NOT TO SCALE
(ITEM C-102-5.1e)

EROSION CONTROL MIX:

EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATTER, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

COMPOSITION

EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100% DRY WEIGHT BASIS.
- THE PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70% MAXIMUM OF 85% PASSING A 0.75" SCREEN.
- THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- SOLUBLE SALTS CONTENT SHALL BE <4.0 MMHOS/CM.

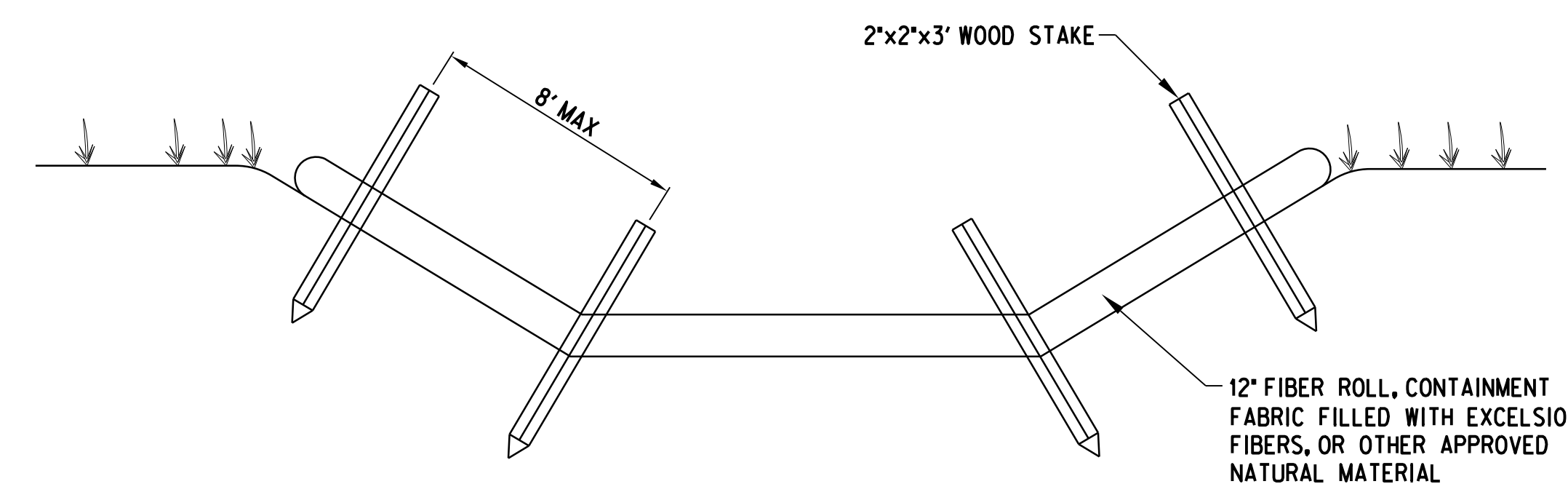
THE PH SHOULD FALL BETWEEN 5.0 AND 8.0

EROSION CONTROL MIX BERMS SEDIMENT BARRIER INSTALLATION:

THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR. IT MAY BE NECESSARY TO CUT ALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES THAT WOULD ENABLE FINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BLADES OR PLANT STEMS. ON SLOPES LESS THAN 5% OR AT THE BOTTOM OF STEEPER SLOPES (2:1) UP TO 20' LONG, THE BARRIER MUST BE A MINIMUM OF 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF TWO FEET WIDE. ON LONGER OR STEEPER SLOPES, THE BARRIER SHOULD BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF. FROZEN GROUND, OUTCROPS OF BEDROCK AND VERY ROOTED FORESTED AREAS ARE LOCATIONS WHERE BERMS OF EROSION CONTROL MIX ARE MOST PRACTICAL AND EFFECTIVE. OTHER BMPs SHOULD BE USED AT LOW POINTS OF CONCENTRATED RUNOFF, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS, AND AT THE BOTTOM OF STEEP PERIMETER SLOPES THAT AREA MORE THAN 50' FROM TOP TO BOTTOM (I.E. A LARGE UP GRADIENT CONTRIBUTING WATERSHED).

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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NOTES:

1. FIBER ROLL TO BE INSTALLED IN LOCATIONS AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR TO MAINTAIN FIBER ROLL FOR DURATION OF PROJECT AND REMOVE WHEN DIRECTED.

SEDIMENT BARRIER - WATTLES
NOT TO SCALE
(ITEM C-102-5.1e)

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		FAA AIP: 3-23-0003-XXX-2021	WIN \$PINNUMBERS FAA A.I.P 3-23-0003-XXX-2021
		MATTHEW T. O'BRIEN SIGNATURE	04-12-2021 DATE
		T. LESIGEE BY	
PROJ. MANAGER	CHECKED/REVIEWED	DESIGNS DETAILED	REVISIONS
AUGUSTA STATE AIRPORT BID DOCUMENTS	M. O'BRIEN	R. LUCHINI	1 2 3 4
AUGUSTA KENNEBEC COUNTY		AUGUSTA STATE AIRPORT BID DOCUMENTS KENNEBEC COUNTY DRAINAGE AND EROSION CONTROL DETAILS (3 OF 3)	
SHEET NUMBER		32	
		OF 62	

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\Electrical_plan_1.dgn

LEGEND:

- PROPOSED FULL STRENGTH PAVEMENT
- PROPOSED ELECTRICAL CONDUIT
- PROPOSED BASE MOUNTED TAXIWAY EDGE LIGHT
- PROPOSED STAKE MOUNTED TAXIWAY EDGE LIGHT
- PROPOSED AIRFIELD GUIDANCE SIGN AND FOUNDATION
- PROPOSED ELECTRICAL HAND HOLE
- PROPOSED ELECTRICAL JUNCTION CAN
- RESET EXISTING NON-LIGHTED SIGN

OF CABLES
IC - TW C (N)
CIRCUIT

CIRCUITS:

- TW C (N) - TAXIWAY C NORTH OF RW 8-26, TAXIWAY C, TAXIWAY B
- TW C (S) - TAXIWAY C SOUTH OF RW 8-26, TAXIWAY E
- RW 8-26 - RUNWAY 8-26
- RW 17-35 - RUNWAY 17-35
- *6 AWG - EQUIPOTENTIAL SOLID BARE COPPER COUNTERPOISE WIRE

INSTALL NEW BASE-MOUNTED LED TAXIWAY EDGE LIGHT (TYP.) SEE DETAIL SHEET S3 ITEM L-125-5.1

DIRECT BURIED CABLE TO EXISTING LIGHT ITEM L-108-5.1

CONNECT TO EXISTING DIRECT-BURIED TRANSFORMER TO COMPLETE TW C (N) CIRCUIT INCIDENTAL TO ITEM L-108-5.2

CONNECT PROPOSED COUNTERPOISE TO EXISTING COUNTERPOISE BY EXOTHERMIC WELD INCIDENTAL TO ITEM L-108-5.3

INSTALL NEW AIRFIELD GUIDANCE SIGN AND FOUNDATION (TYP.) SEE DETAIL SHEET 32 ITEM L-125-5.5

CONNECT TO EXISTING RUNWAY BASE MOUNTED LIGHT TRANSFORMER TO COMPLETE RUNWAY 8-26 CIRCUIT INCIDENTAL TO ITEM L-108-5.2

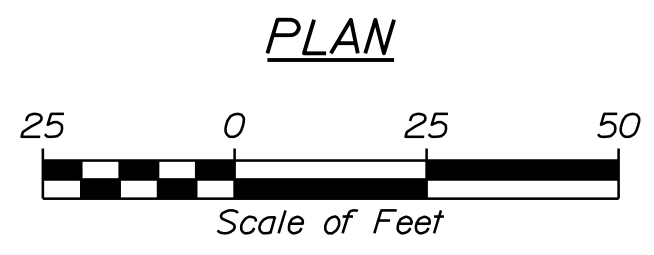
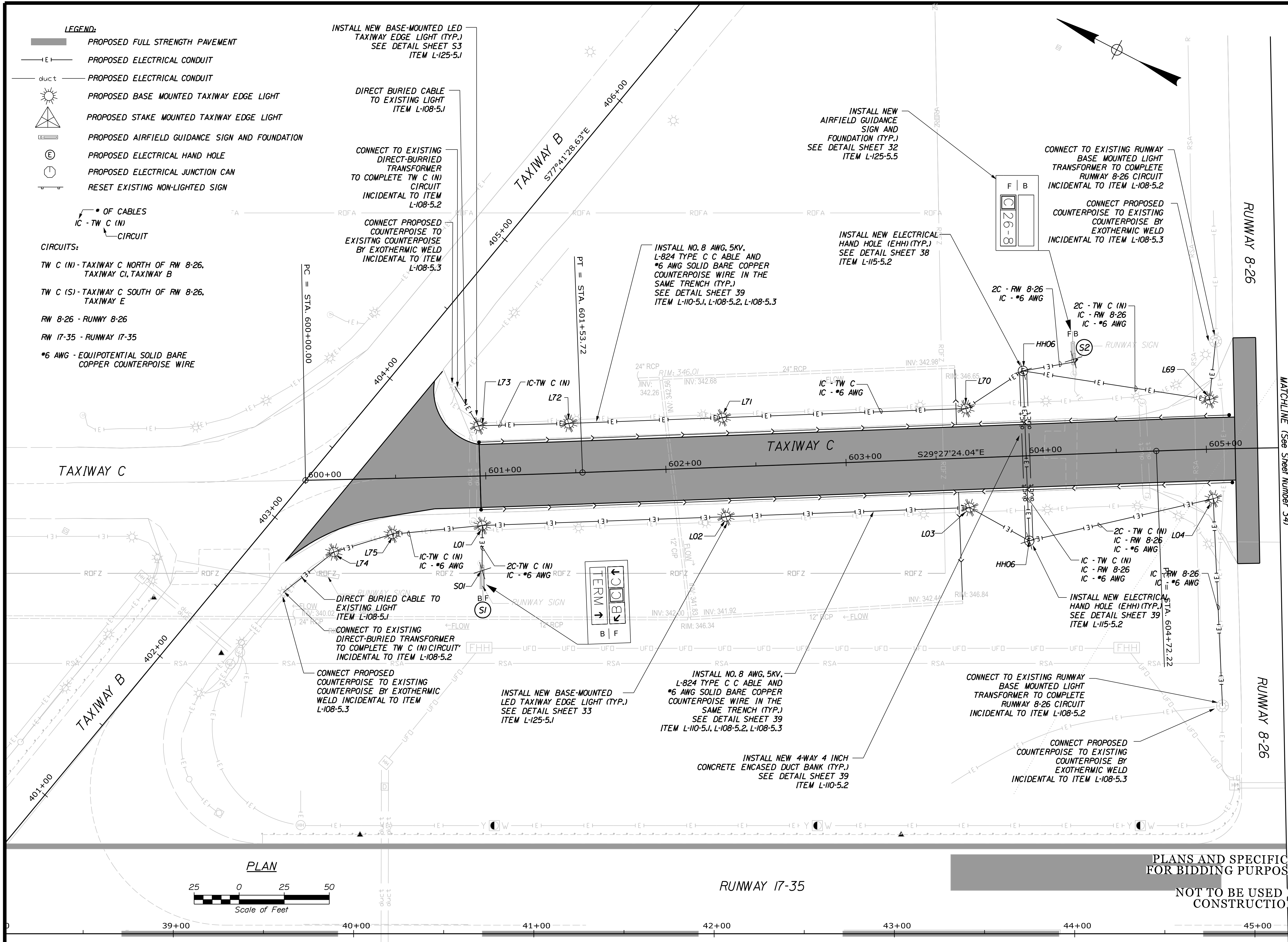
CONNECT PROPOSED COUNTERPOISE TO EXISTING COUNTERPOISE BY EXOTHERMIC WELD INCIDENTAL TO ITEM L-108-5.3

INSTALL NEW ELECTRICAL HAND HOLE (EHH) (TYP.) SEE DETAIL SHEET 38 ITEM L-115-5.2

INSTALL NO. 8 AWG, 5KV, L-824 TYPE C C ABLE AND *6 AWG SOLID BARE COPPER COUNTERPOISE WIRE IN THE SAME TRENCH (TYP.) SEE DETAIL SHEET 39 ITEM L-110-5.1, L-108-5.2, L-108-5.3

PC = STA. 600+00.00

PT = STA. 601+53.72



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P. 3-23-0003-XXX-2021

DESIGNED	M. O'BRIEN	DATE	
CHECKED	M. O'BRIEN	SIGNATURE	
DESIGNED	R. LUCHINI	P.E. NUMBER	12842
DESIGNED	R. LUCHINI	DATE	04-12-2021
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROJ. MANAGER	T. LESIEGE
DESIGN-DETAILED	M. O'BRIEN
CHECKED-REVIEWED	M. O'BRIEN
DESIGNED-DETAILED	R. LUCHINI
DESIGNED-DETAILED	R. LUCHINI
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

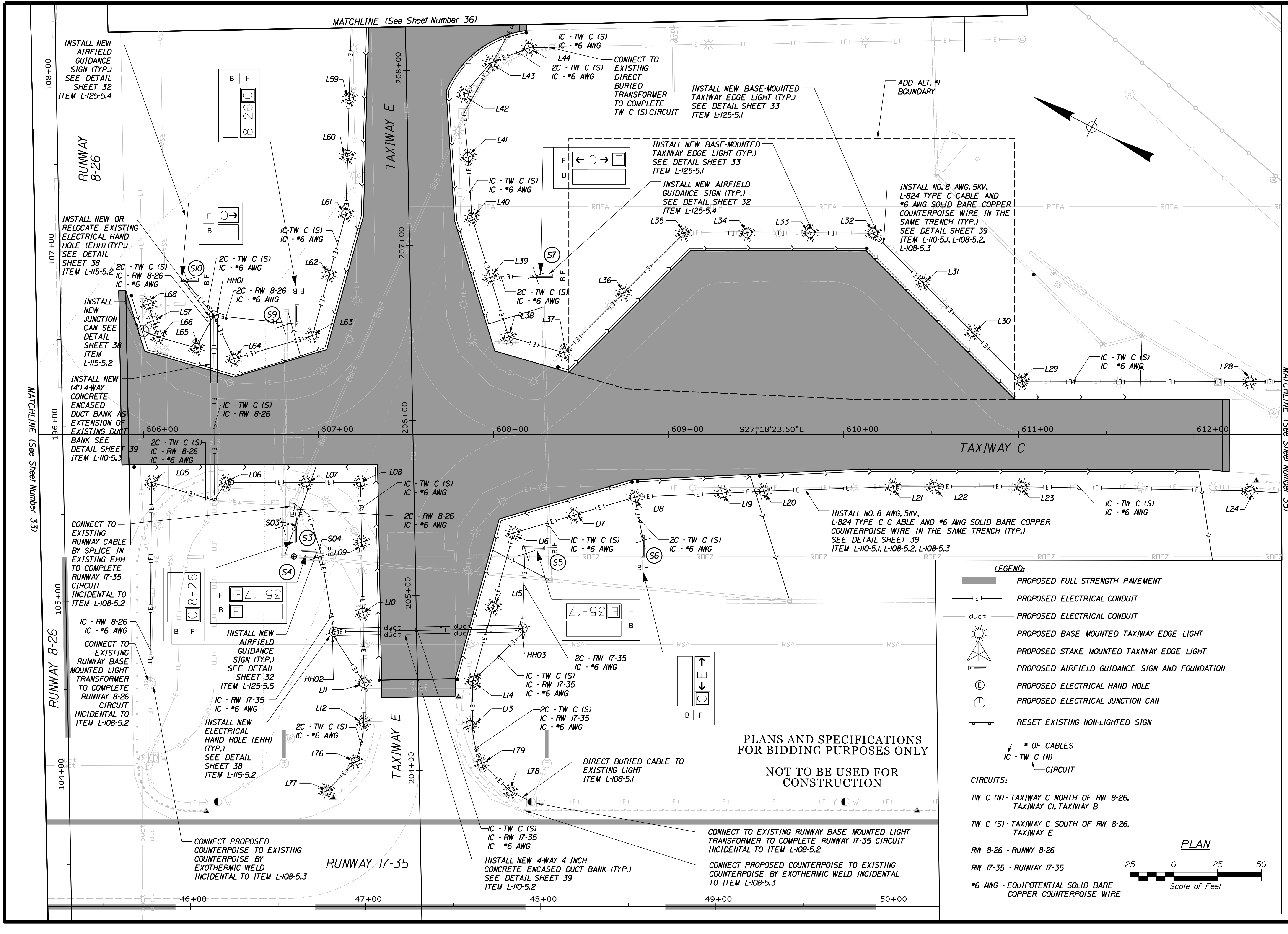
AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
ELECTRICAL PLAN (1 OF 5)

SHEET NUMBER

33

OF 62

Filename: ... \Plans\Electrical_Plan_2.dgn
 Division:
 Username: rluchini
 Date: 4/12/2021



PLANS AND SPECIFICATIONS
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 CONSTRUCTION

LEGEND:

- PROPOSED FULL STRENGTH PAVEMENT
- PROPOSED ELECTRICAL CONDUIT
- PROPOSED ELECTRICAL CONDUIT
- PROPOSED BASE MOUNTED TAXIWAY EDGE LIGHT
- PROPOSED STAKE MOUNTED TAXIWAY EDGE LIGHT
- PROPOSED AIRFIELD GUIDANCE SIGN AND FOUNDATION
- PROPOSED ELECTRICAL HAND HOLE
- PROPOSED ELECTRICAL JUNCTION CAN
- RESET EXISTING NON-LIGHTED SIGN

CIRCUITS:

- TW C (N) - TAXIWAY C NORTH OF RW 8-26, TAXIWAY C, TAXIWAY B
- TW C (S) - TAXIWAY C SOUTH OF RW 8-26, TAXIWAY E
- RW 8-26 - RUNWAY 8-26
- RW 17-35 - RUNWAY 17-35
- *6 AWG - EQUIPOTENTIAL SOLID BARE COPPER COUNTERPOISE WIRE

PLAN

Scale of Feet

0 25 50

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA AIP 3-23-0003-XXX-2021

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 KENNEBEC COUNTY
 AUGUSTA
 ELECTRICAL PLAN (2 OF 5)

PROJ. MANAGER	DATE	BY	T. LESIGE
MATTHEW I. OBRIEN <td></td> <td></td> <td></td>			
CHECKED/REVIEWED			
DESIGNED/DRAWN			
DESIGNED/REVIEWED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE: MATTHEW I. OBRIEN
 P.E. NUMBER: 12842
 DATE: 04-12-2021

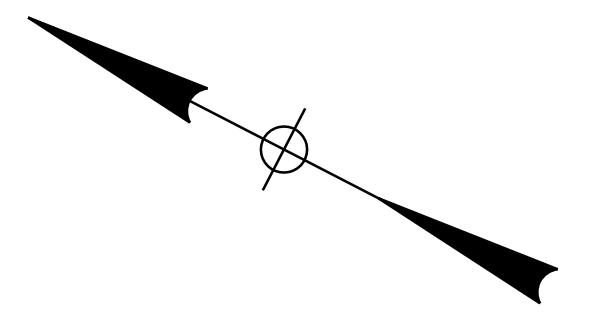
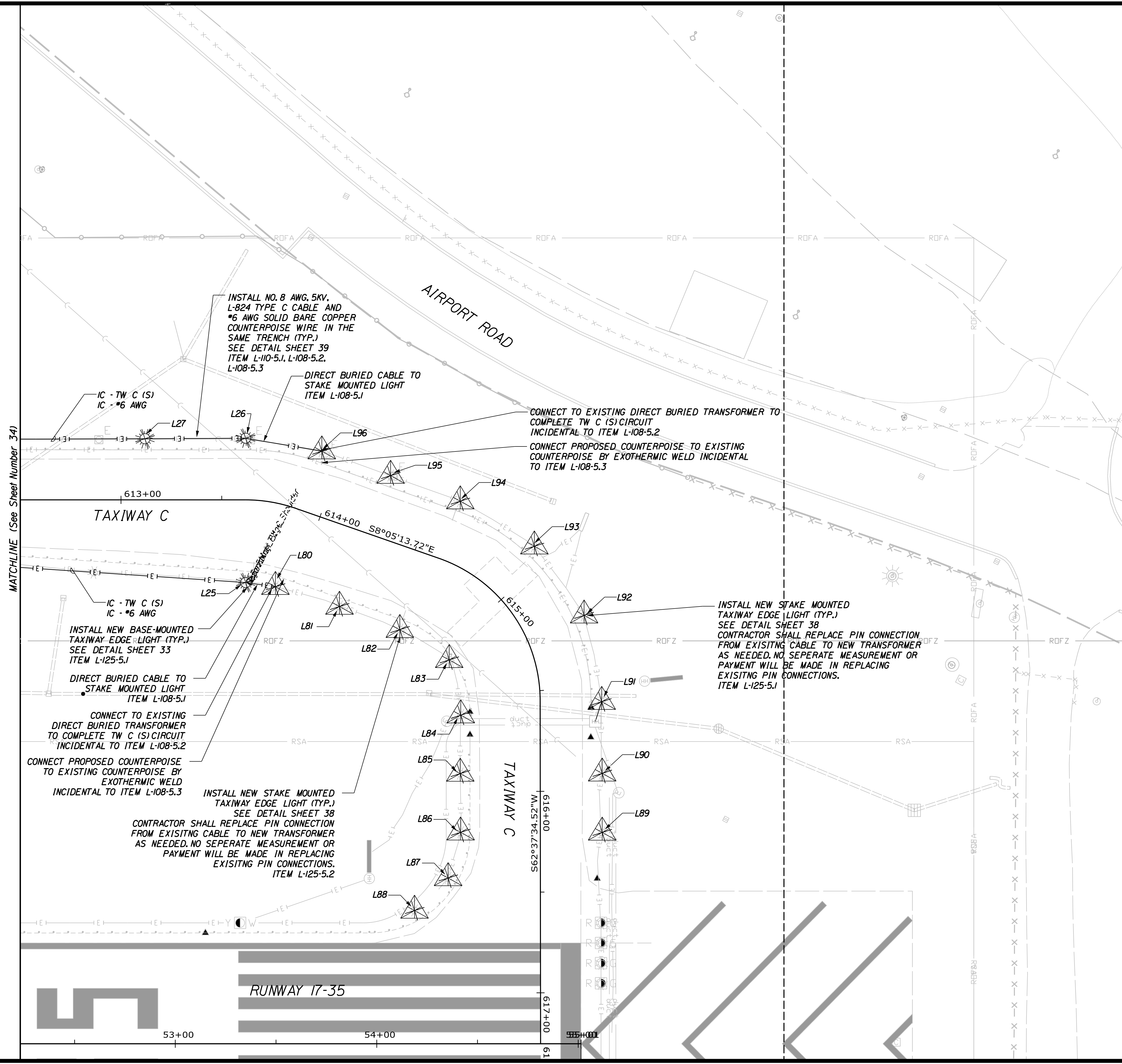
SHEET NUMBER
34
 OF 62

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\Electrical_Plan_3.dgn



PLANS AND SPECIFICATIONS
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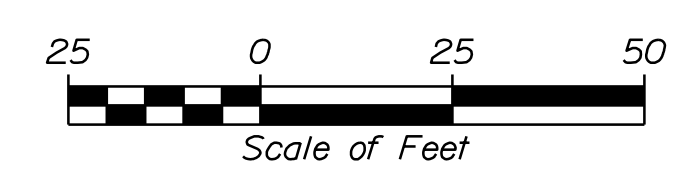
LEGEND:

- PROPOSED FULL STRENGTH PAVEMENT
 - PROPOSED ELECTRICAL CONDUIT
 - PROPOSED ELECTRICAL CONDUIT
 - PROPOSED BASE MOUNTED TAXIWAY EDGE LIGHT
 - PROPOSED STAKE MOUNTED TAXIWAY EDGE LIGHT
 - PROPOSED AIRFIELD GUIDANCE SIGN AND FOUNDATION
 - PROPOSED ELECTRICAL HAND HOLE
 - PROPOSED ELECTRICAL JUNCTION CAN
 - RESET EXISTING NON-LIGHTED SIGN
- OF CABLES
 IC - TW C (N)
 CIRCUIT

CIRCUITS:

- TW C (N) - TAXIWAY C NORTH OF RW 8-26, TAXIWAY C, TAXIWAY B
- TW C (S) - TAXIWAY C SOUTH OF RW 8-26, TAXIWAY E
- RW 8-26 - RUNWAY 8-26
- RW 17-35 - RUNWAY 17-35
- *6 AWG - EQUIPOTENTIAL SOLID BARE COPPER COUNTERPOISE WIRE

PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS\$
FAA A.I.P 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
DESIGN-DETAILED: M. O'BRIEN
CHECKED-REVIEWED: M. O'BRIEN
DESIGN-DETAILED: R. LUCHINI
REVISIONS: 1, 2, 3, 4
DATE: 04-12-2021

DATE	BY	T. LESIEGE

AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA KENNEBEC COUNTY
ELECTRICAL PLAN (3 OF 5)

SHEET NUMBER
35
OF 62

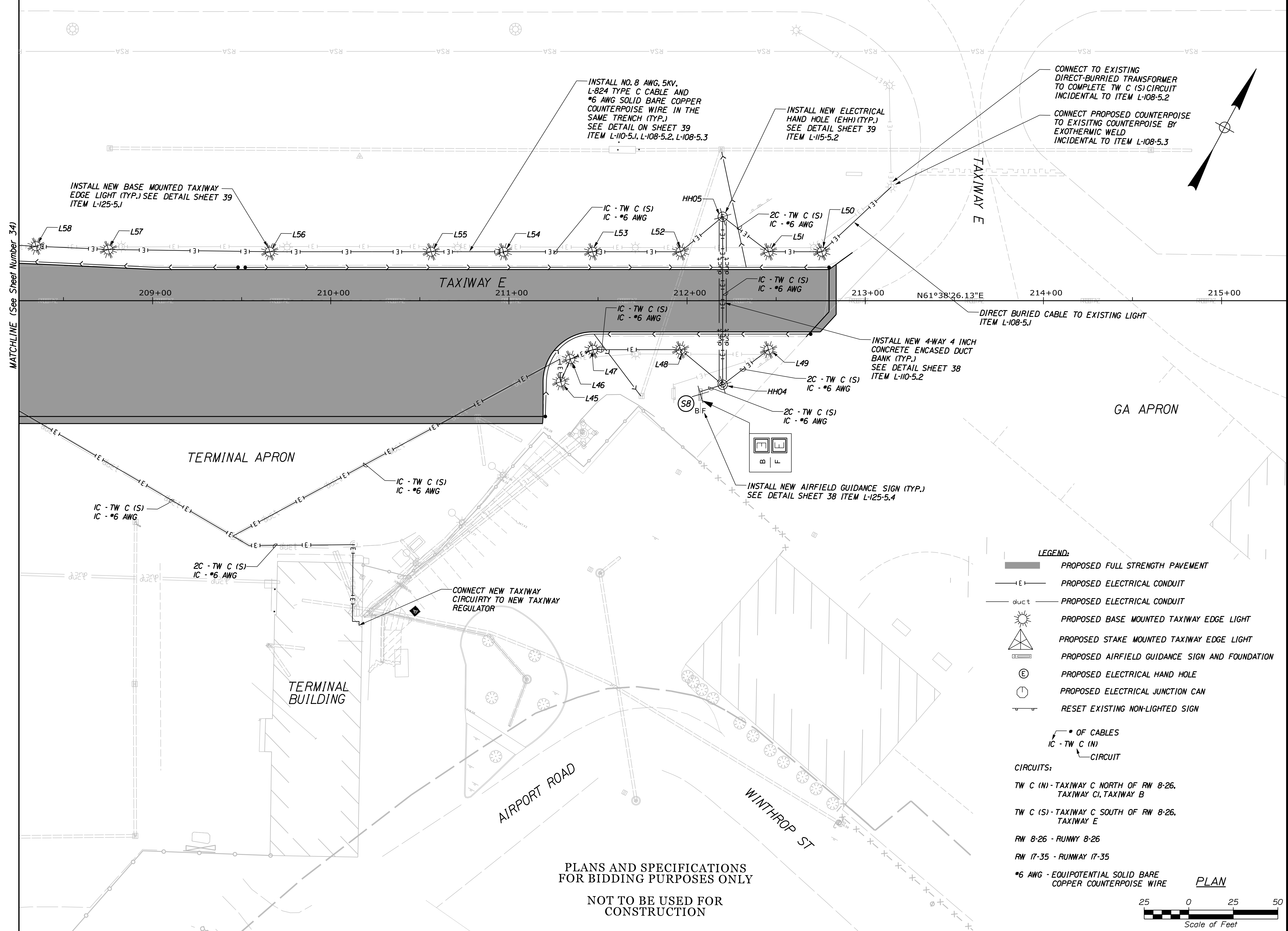
Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Plans\Electrical_Plan_4.dgn

MATCHLINE (See Sheet Number 34)



INSTALL NEW BASE MOUNTED TAXIWAY
EDGE LIGHT (TYP.) SEE DETAIL SHEET 39
ITEM L-125-5.1

INSTALL NO. 8 AWG, 5KV,
L-824 TYPE C CABLE AND
#6 AWG SOLID BARE COPPER
COUNTERPOISE WIRE IN THE
SAME TRENCH (TYP.)
SEE DETAIL ON SHEET 39
ITEM L-110-5.1, L-108-5.2, L-108-5.3

INSTALL NEW ELECTRICAL
HAND HOLE (EHH) (TYP.)
SEE DETAIL SHEET 39
ITEM L-115-5.2

CONNECT TO EXISTING
DIRECT-BURRIED TRANSFORMER
TO COMPLETE TW C (S) CIRCUIT
INCIDENTAL TO ITEM L-108-5.2

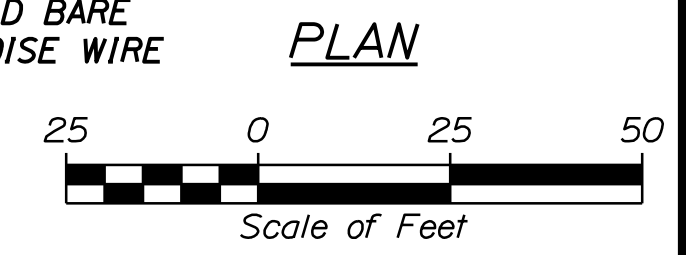
CONNECT PROPOSED COUNTERPOISE
TO EXISTING COUNTERPOISE BY
EXOTHERMIC WELD
INCIDENTAL TO ITEM L-108-5.3

INSTALL NEW 4-WAY 4 INCH
CONCRETE ENCASED DUCT
BANK (TYP.)
SEE DETAIL SHEET 38
ITEM L-110-5.2

INSTALL NEW AIRFIELD GUIDANCE SIGN (TYP.)
SEE DETAIL SHEET 38 ITEM L-125-5.4

CONNECT NEW TAXIWAY
CIRCUITRY TO NEW TAXIWAY
REGULATOR

- LEGEND:**
- PROPOSED FULL STRENGTH PAVEMENT
 - PROPOSED ELECTRICAL CONDUIT
 - PROPOSED ELECTRICAL CONDUIT
 - PROPOSED BASE MOUNTED TAXIWAY EDGE LIGHT
 - PROPOSED STAKE MOUNTED TAXIWAY EDGE LIGHT
 - PROPOSED AIRFIELD GUIDANCE SIGN AND FOUNDATION
 - PROPOSED ELECTRICAL HAND HOLE
 - PROPOSED ELECTRICAL JUNCTION CAN
 - RESET EXISTING NON-LIGHTED SIGN
- CIRCUITS:**
- TW C (N) - TAXIWAY C NORTH OF RW 8-26, TAXIWAY C, TAXIWAY B
 - TW C (S) - TAXIWAY C SOUTH OF RW 8-26, TAXIWAY E
 - RW 8-26 - RUNWAY 8-26
 - RW 17-35 - RUNWAY 17-35
- *6 AWG - EQUIPOTENTIAL SOLID BARE COPPER COUNTERPOISE WIRE



PLANS AND SPECIFICATIONS
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P 3-23-0003-XXX-2021



PROJ. MANAGER: MATTHEW T. O'BRIEN
DATE: 04-12-2021
SIGNATURE: [Signature]
P.E. NUMBER: 12842

PROJ. MANAGER	DATE	BY	T. LESIEGE	DATE
M. O'BRIEN		M. O'BRIEN		
CHECKED-REVIEWED		R. LUCHINI		
DESIGNS DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
ELECTRICAL PLAN (4 OF 5)

SHEET NUMBER
36
OF 62

Date: 4/12/2021

Username: rluchini

Division:

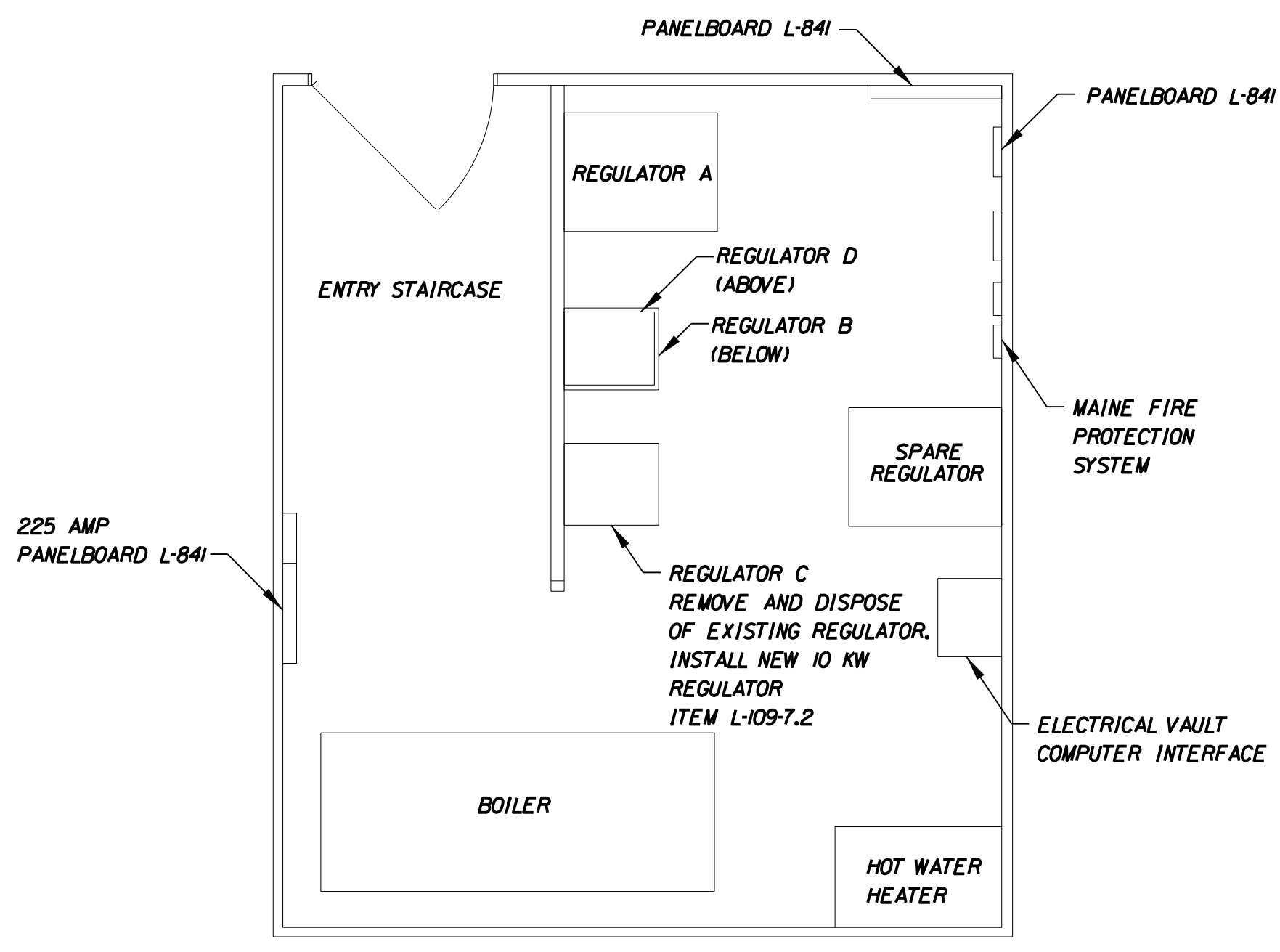
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L04	541788.53	1135795.79
L05	541699.42	1135843.03
L06	541661.68	1135862.52
L07	541621.27	1135883.38
L08	541593.41	1135897.77
L09	541577.17	1135867.70
L10	541558.05	1135832.27
L11	541539.09	1135796.77
L12	541528.87	1135776.80
L13	541473.05	1135804.05
L14	541484.36	1135826.31
L15	541493.41	1135869.26
L16	541502.47	1135912.21
L17	541476.40	1135937.18
L18	541450.32	1135962.15
L19	541406.95	1135987.13
L20	541386.37	1135998.98
L21	541322.02	1136035.06
L22	541300.94	1136045.95
L23	541256.51	1136068.89
L24	541139.91	1136126.46
L25	541020.37	1136178.37
L26	541053.24	1136242.03
L27	541097.55	1136218.87
L28	541168.55	1136181.95
L29	541284.04	1136122.20
L30	541322.21	1136134.38
L31	541360.39	1136146.56
L32	541398.57	1136158.73
L33	541430.64	1136142.17
L34	541462.71	1136125.62
L35	541494.78	1136109.06
L36	541509.48	1136062.98
L37	541524.18	1136016.91
L38	541556.33	1136010.54
L39	541581.28	1136035.96
L40	541606.23	1136061.39
L41	541624.11	1136091.16
L42	541642.56	1136121.88
L43	541637.40	1136144.77
L44	541621.79	1136162.56
L45	541794.40	1136430.13
L46	541808.13	1136428.78
L47	541818.82	1136437.48
L48	541842.17	1136480.74
L49	541865.63	1136524.20
L50	541928.22	1136524.36
L51	541914.03	1136498.07
L52	541890.57	1136454.61
L53	541867.11	1136411.15
L54	541843.36	1136367.15
L55	541824.08	1136331.44
L56	541781.06	1136251.73
L57	541739.13	1136171.42
L58	541721.49	1136134.82
L59	541699.76	1136089.73
L60	541685.46	1136060.05

Point Table		
Name	Northing	Easting
L61	541671.15	1136030.37
L62	541663.71	1135995.05
L63	541656.26	1135959.72
L64	541690.08	1135927.34
L65	541712.04	1135922.98
L66	541734.00	1135918.63
L67	541740.92	1135925.69
L68	541747.85	1135932.75
L69	541815.58	1135843.68
L70	541933.41	1135777.31
L71	542051.17	1135710.80
L72	542125.39	1135668.89
L73	542169.21	1135644.80
L74	542208.37	1135545.71
L75	542184.14	1135569.39
L76	541522.71	1135754.74
L78	541436.22	1135780.15
L79	541458.24	1135786.94
L80	541006.26	1136183.27
L81	540973.50	1136189.15
L82	540941.61	1136192.72
L83	540912.95	1136190.60
L84	540895.26	1136168.85
L85	540882.20	1136142.98
L86	540868.68	1136117.12
L87	540863.79	1136094.14
L88	540871.18	1136072.14
L89	540806.19	1136149.32
L90	540819.64	1136175.38
L91	540836.16	1136206.89
L92	540863.61	1136240.98
L93	540901.27	1136260.11
L94	540944.23	1136263.14
L95	540980.77	1136258.55
L96	541016.69	1136253.64

Point Table		
Name	Northing	Easting
S1	542130.54	1135574.33
S2	541892.89	1135828.90
S3	541621.28	1135855.24
S4	541595.32	1135848.69
S5	541490.65	1135905.19
S6	541434.85	1135942.19
S7	541558.54	1136048.66
S8	541825.48	1136502.44
S9	541673.78	1135956.95
S10	541734.60	1135955.12

Point Table		
Name	Northing	Easting
HH01	541711.59	1135944.09
HH02	541567.64	1135814.95
HH03	541472.82	1135866.08
HH04	541836.11	1136510.91
HH05	541919.12	1136466.10



EQUIPMENT LAYOUT PLAN VIEW
N.T.S.
(ITEM L-XXX-XX)

- NOTES:
- CONTRACTOR SHALL REMOVE AND REPLACE REGULATOR, ITEM L-109-7.2
 - CONTRACTOR SHALL SUPPLY ALL SUBSIDIARY TOOLS, LABOR, FITTINGS, AND EQUIPEMENT NECESSARY FOR A COMPLETE WORKING SYSTEM, ITEM L-109-7.2

ELECTRICAL VAULT REGULAOR DIRECTORY

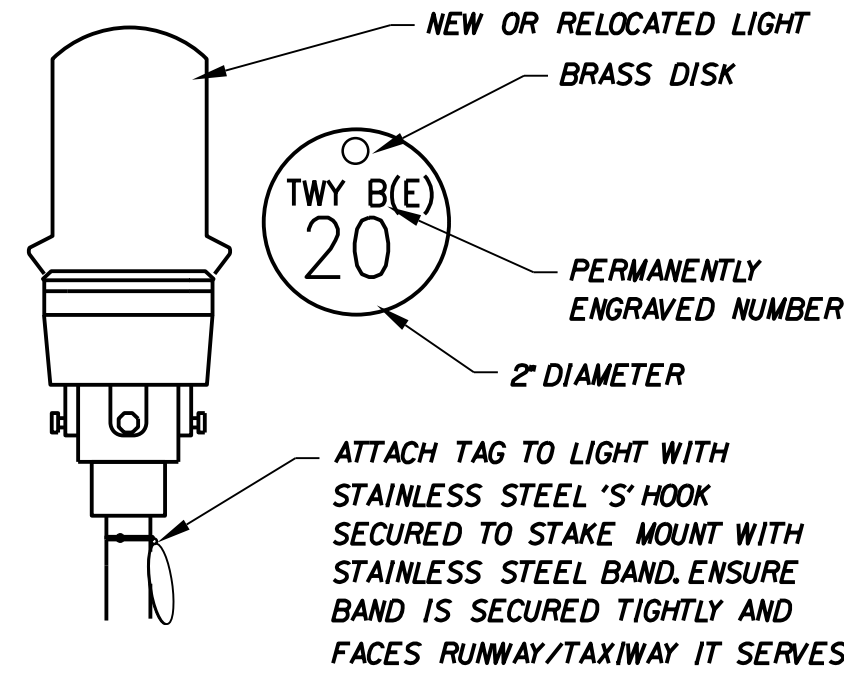
REGULATOR A: RUNWAY 17-35	REGULATOR C: TAXIWAY 'C' SOUTH OF RW 8-26 TAXIWAY 'E' TERMINAL RAMP
REGULATOR B: TAXIWAY 'C' NORTH OF RW 8-26 TAXIWAY 'B' TAXIWAY 'C'	REGULATOR D: RUNWAY 8-26 TAXIWAY 'F'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		FAA AIP: 3-23-0003-XXX-2021		WIN \$PINNUMBERS FAA A.I.P 3-23-0003-XXX-2021	
MATTHEW T. O'BRIEN SIGNATURE		12842 P.E. NUMBER		04-12-2021 DATE	
T. LESIEGE PROJ. MANAGER		M. O'BRIEN CHECKED/REVIEWED		R. LUCHINI DESIGNS DETAILED	
DESIGN DETAILED		DESIGNS DETAILED		REVISIONS 1	
BY		DATE		REVISIONS 2	
T. LESIEGE		M. O'BRIEN		REVISIONS 3	
M. O'BRIEN		R. LUCHINI		REVISIONS 4	
R. LUCHINI		FIELD CHANGES		FIELD CHANGES	
AUGUSTA STATE AIRPORT BID DOCUMENTS AUGUSTA KENNEBEC COUNTY ELECTRICAL PLAN (5 OF 5)					
SHEET NUMBER					
37					
PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY					
NOT TO BE USED FOR CONSTRUCTION					
OF 62					

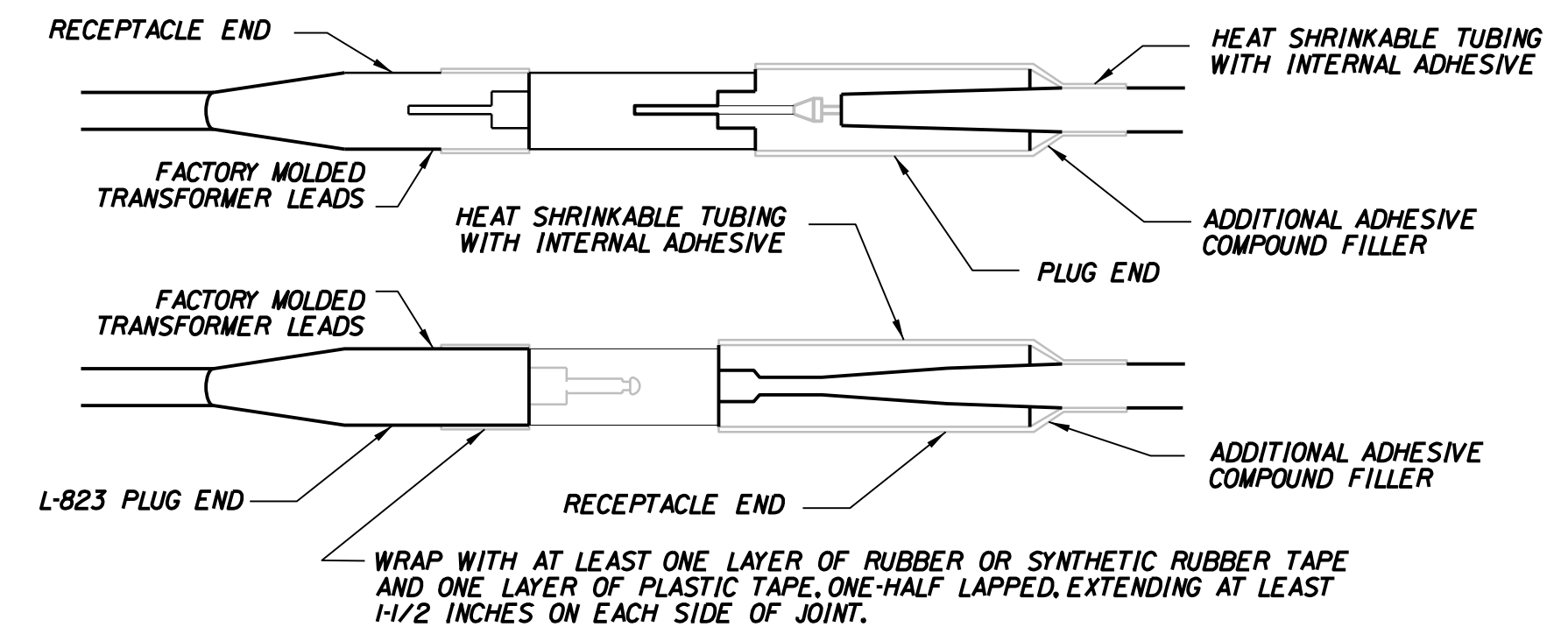
L - LOCATION
Y - DIRECTION/BOUNDARY
R - MANDATORY

GUIDANCE SIGN SCHEDULE

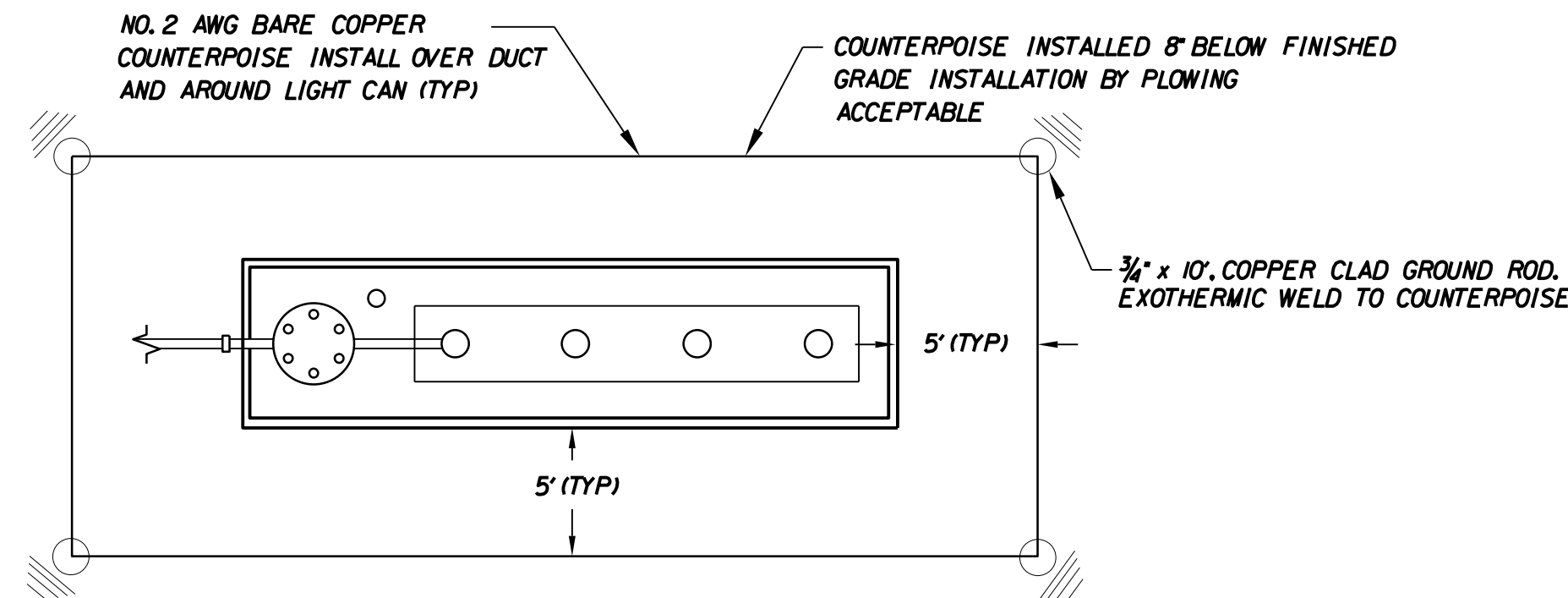
SIGN ID	MANUFACTURER	LEGEND		SIZE	STYLE	PANEL	PANEL TYPE		ITEM NO.
		FRONT	BACK				FRONT	BACK	
S1	NEW SIGN	←B C C↑	TERM↑	2	2	3	L/Y	Y	L-125-5.5
S2	NEW SIGN	C 26-8		2	2	3	L/R	-	L-125-5.5
S3	NEW SIGN	C 8-26		2	2	3	L/R	-	L-125-5.5
S4	NEW SIGN	E 35-17	E	2	3	3	R/L	L	L-125-5.5
S5	NEW SIGN	E 35-17		2	3	3	L/R	-	L-125-5.5
S6	NEW SIGN	C ←E→		2	2	3	L/Y	-	L-125-5.5
S7	NEW SIGN	E ←C→		2	2	3	L/Y	-	L-125-5.5
S8	NEW SIGN	E	E	2	2	1	L	L	L-125-5.4
S9	NEW SIGN	8-26 C		2	2	3	R/L	-	L-125-5.5
S10	NEW SIGN	←C		2	2	3	Y	-	L-125-5.5



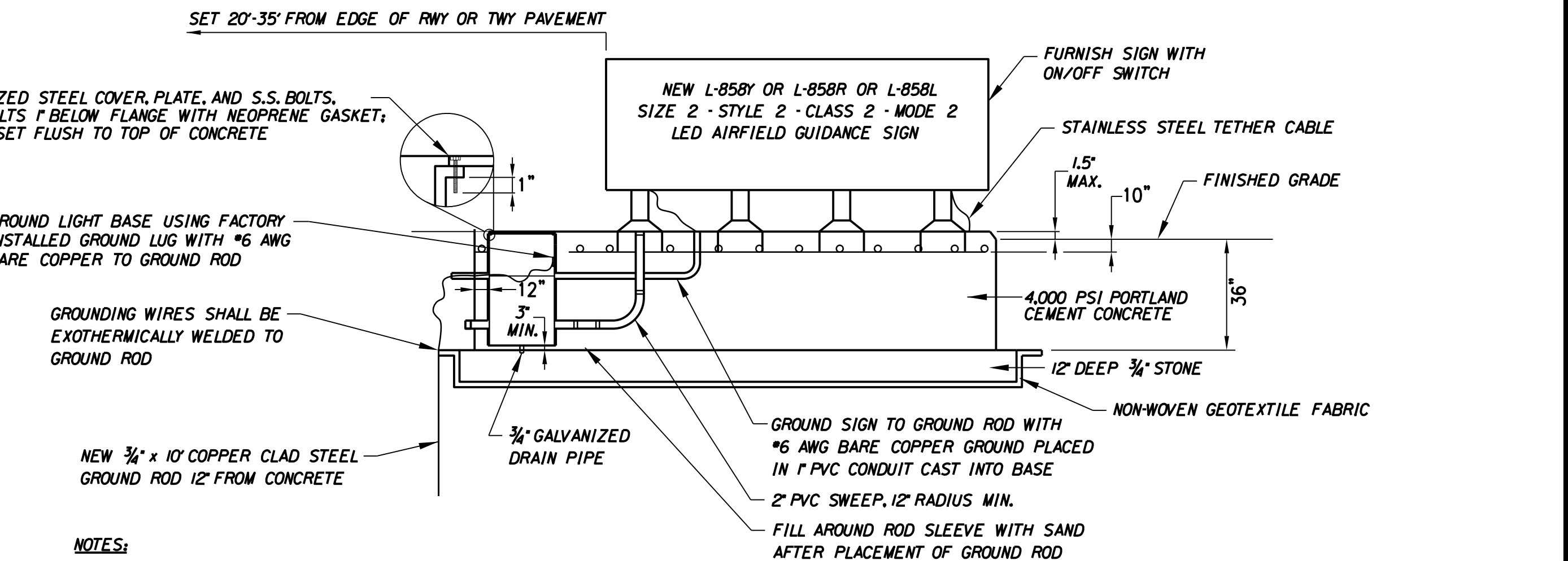
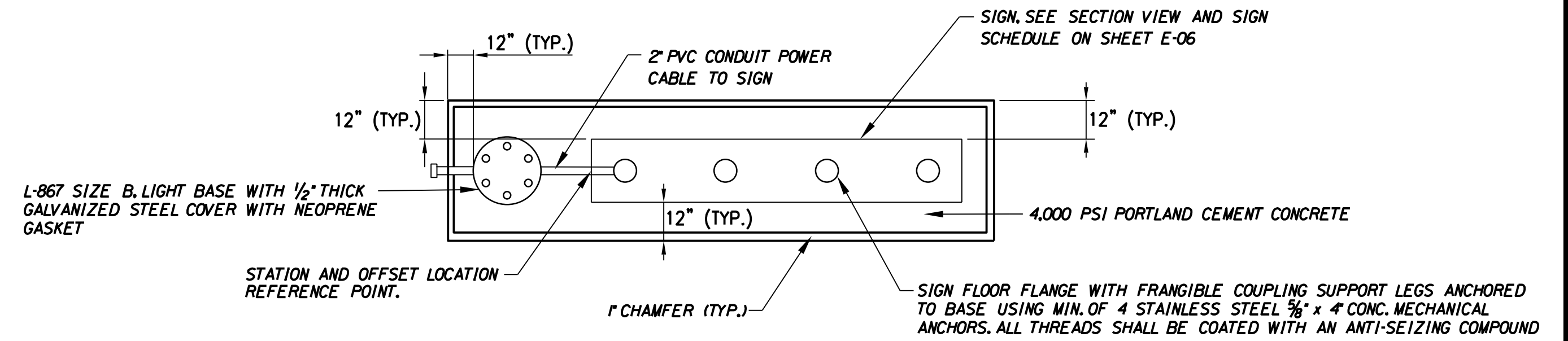
LIGHT IDENTIFICATION TAG DETAIL
N.T.S.
(INCIDENTAL TO ITEM L-125-5.1)



L-823 CONNECTIONS
N.T.S.

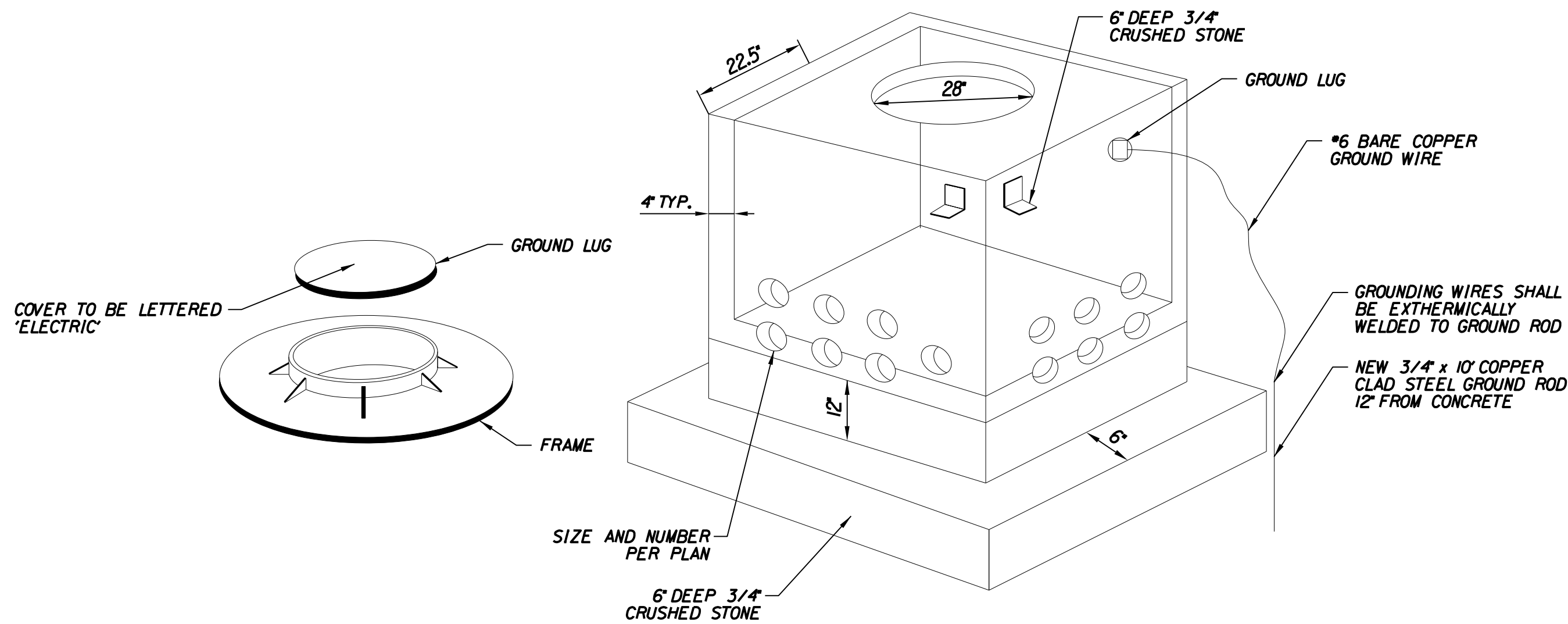


EXISTING AND NEW AIRFIELD SIGN COUNTERPOISE INSTALLATION DETAIL
N.T.S.
(ITEM L-125-5.4 & L-125-5.5)



- NOTES:**
- GROUNDWIRE FROM LIGHT BASE TO GROUND ROD AND FROM SIGN TO GROUND ROD SHALL BE #6 AWG, BARE COPPER. CONNECT GROUND WIRES TO GROUND ROD WITH EXOTHERMIC WELD.
 - SIGNS AND SIGN BASES SHALL BE SET LEVEL AND TRUE, ADJUST EXISTING GRADE SURROUNDING SIGN BASE AS REQUIRED 3% MAXIMUM GRADE.
 - FURNISH SIGN WITH L-830 ISOLATION TRANSFORMER, SIZE AS REQUIRED BY SIGN MANUFACTURER.
 - THE NUMBER OF MODULES SHOWN ON THE SIGN SCHEDULE (THIS SHEET) WILL BE THE NUMBER OF MODULES PAID FOR REGARDLESS OF THE NUMBER OF MODULES REQUIRED BY THE MANUFACTURER.

L-858 AIRFIELD GUIDANCE SIGN DETAIL
N.T.S.
(ITEM L-125-5.4 & L-125-5.5)



- NOTES:**
- CONCRETE SHALL BE 4,000 PSI.
 - CAST IRON MANHOLE COVER SHALL READ "ELECTRIC". COVER SHALL BE NEENAH R-3493-A OR APPROVED EQUAL.
 - STONE BASE SHALL BE COMPACTED 95% MAX DENSITY, PER ASTM D-1995.
 - HANDHOLE COVERS AND FRAMES SHALL BE SET FLUSH WITH FINISH GRADE. ADJUST TO GRADE WITH A MINIMUM OF TWO (2) AND A MAXIMUM OF FIVE (5) COURSES OF CLAY BRICK.
 - NEW 3/4" x 10" COPPER CLAD STEEL GROUND ROD SHALL BE PLACED 12" FROM HANDHOLE.
 - ALL PREFABRICATED REINFORCED CONCRETE STRUCTURES AND FRAME & GRATES SHALL BE DESIGNED AND CONSTRUCTED TO SUPPORT A 36,000 LB DUAL WHEEL LOAD. THE CONTRACTOR IS REQUIRED TO SUBMIT SHOP DRAWINGS AND MANUFACTURER CERTIFICATIONS TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION. SHOP DRAWINGS FOR LOADING SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN MAINE.

ELECTRICAL JUNCTION STRUCTURE 4' X 4'
N.T.S.
(ITEM L-115-5.2)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER: MATTHEW T. O'BRIEN
CHECKED/REVIEWED: M. O'BRIEN
DESIGN/DETAILED: R. LUCHINI
REVISIONS: 1
REVISIONS: 2
REVISIONS: 3
REVISIONS: 4
FIELD CHANGES

DATE: 04-12-2021
SIGNATURE: 12842
P.E. NUMBER: 04-12-2021
DATE

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
ELECTRICAL DETAILS
(1 OF 2)

SHEET NUMBER

38

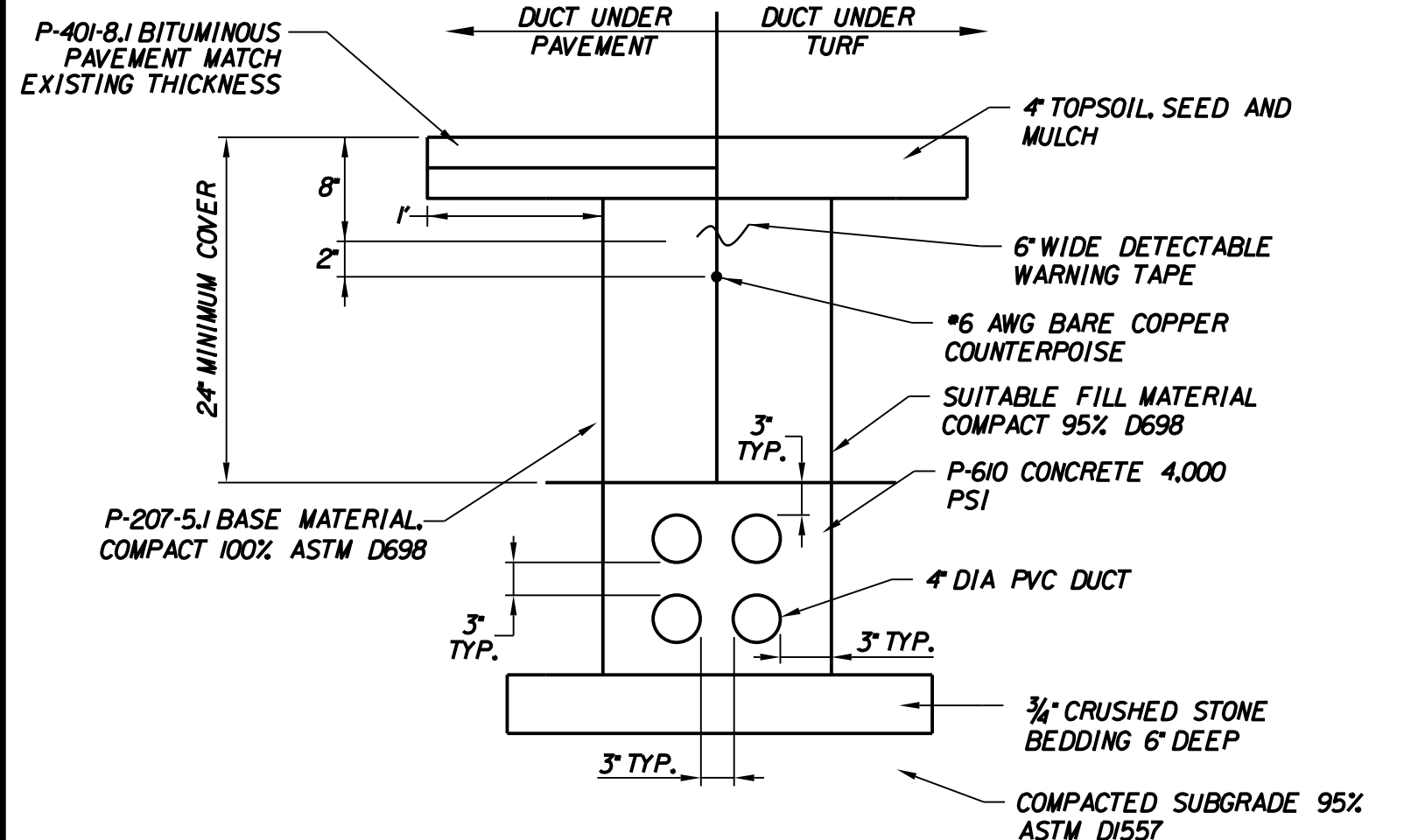
OF 62

Date: 4/12/2021

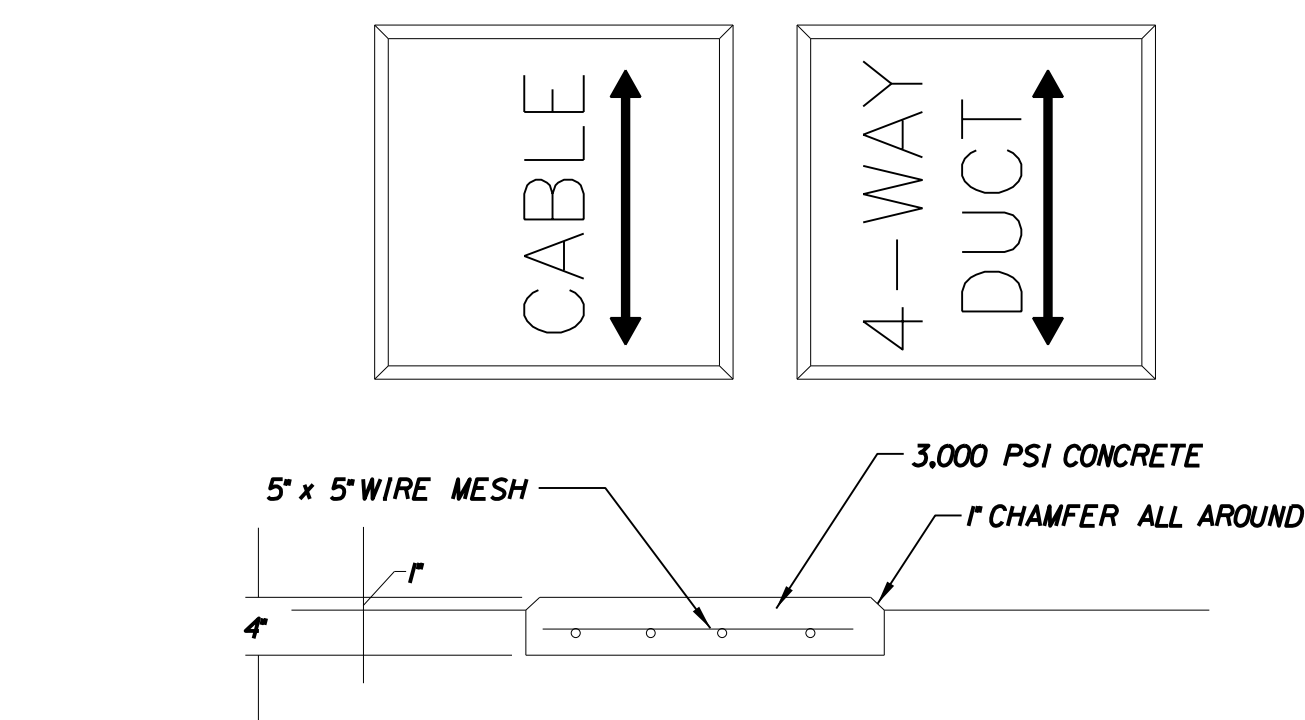
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Division:

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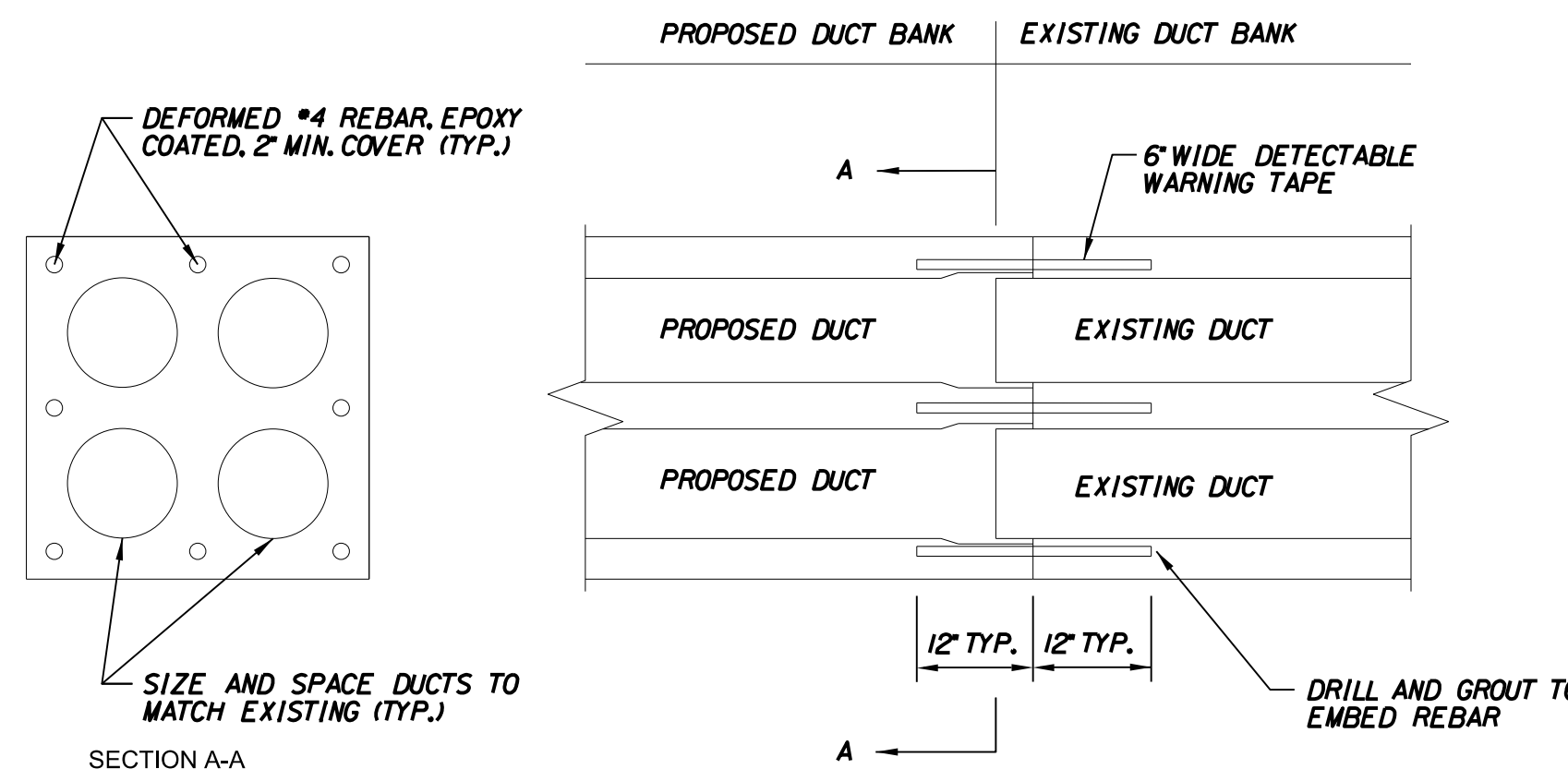


(4*)4-WAY CONCRETE ENCASED DUCT BANK - 24" MINIMUM COVER
N.T.S.
(ITEM L-110-5.2)



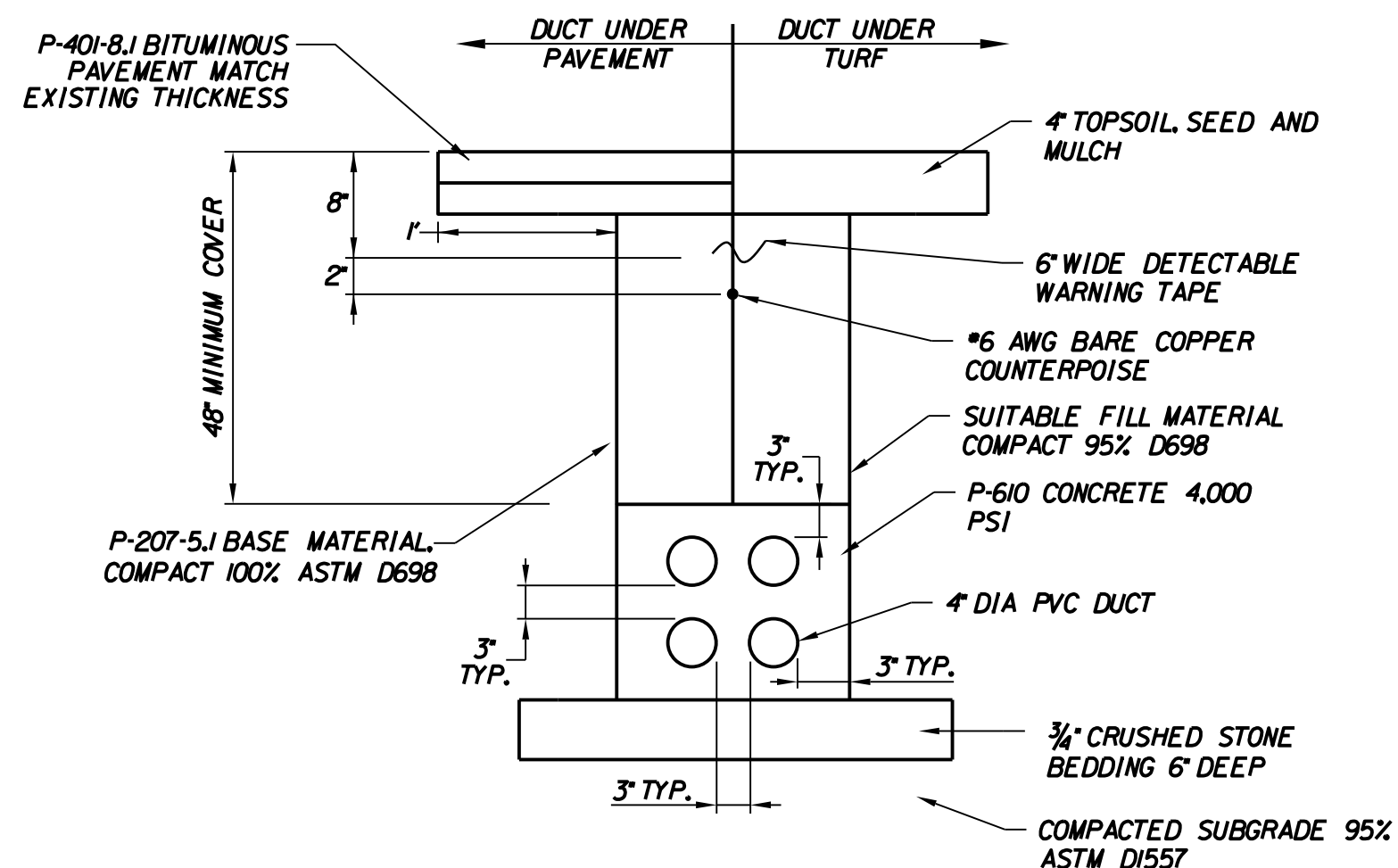
- NOTES:**
1. MARKER LEGEND TO BE IMPRINTED A MIN. 1/4" DEEP IN A WORKMANLINE MANNER, NO FREE SCRIPT.
 2. DUCT MARKERS SHALL BE PLACED EACH END OF DUCT BANK LOCATED HALF-WAY BETWEEN EDGE OF PAVEMENT AND ELECTRICAL HANDHOLE.
 3. CABLE MARKERS SHALL BE CENTERED OVER CABLE RUNS AND INSTALLED AT INTERVALS NOT TO EXCEED 500. CABLE MARKERS SHALL BE PLACED AT BEGINNING AND END OF CABLE RUNS AND AT ANY CHANGE IN HORIZONTAL ALIGNMENT.

CABLE/DUCT MARKER DETAIL
N.T.S.
(INCIDENTAL TO ITEM L-110-5.2)

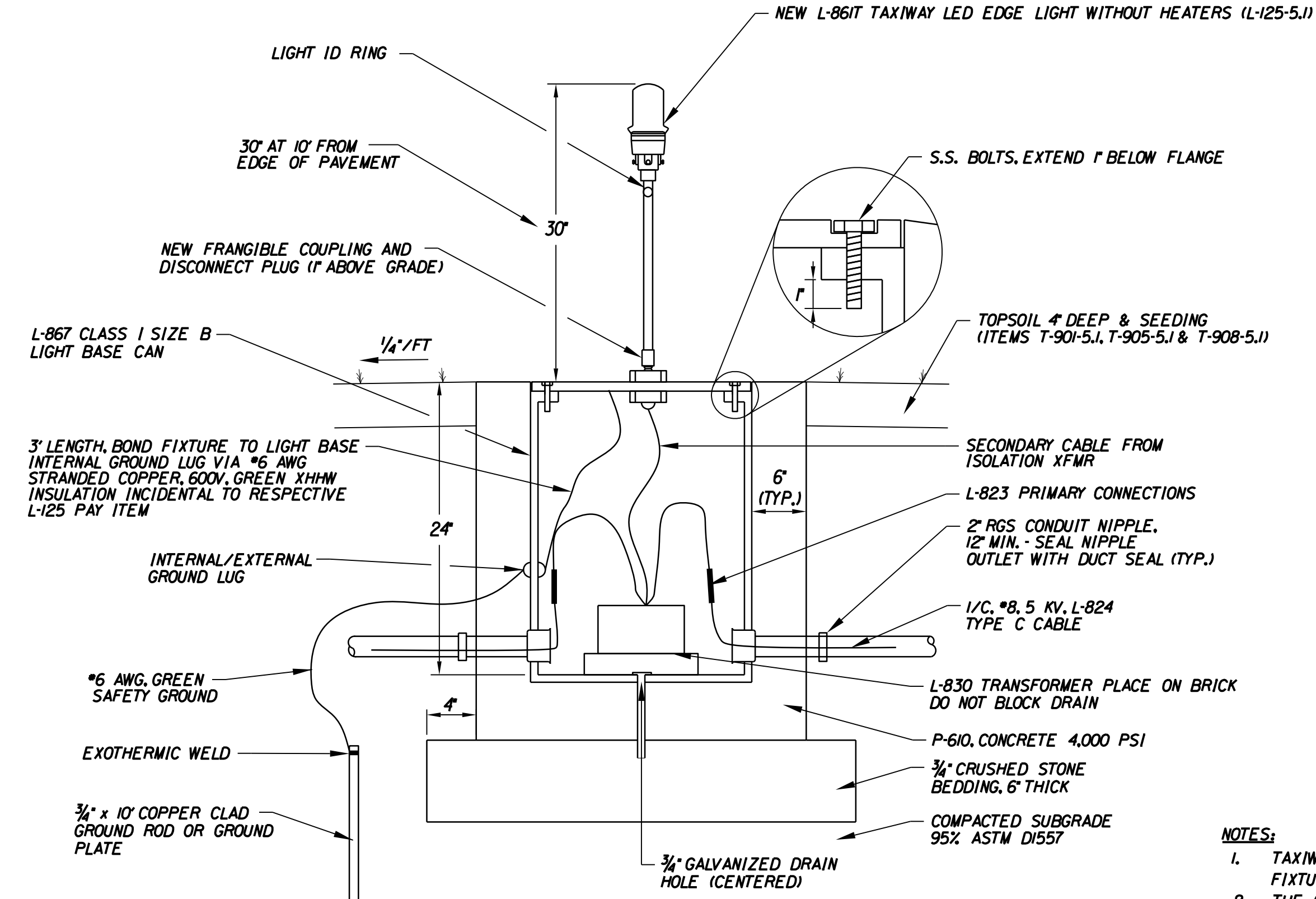


- NOTES:**
1. REMOVE CONCRETE AROUND EXISTING DUCT TO ACCOMMODATE NEW BELL END OF PROPOSED DUCT (2" MIN.)
 2. ADJUST DUCT SPACING TO MATCH EXISTING.
 3. 3" CONCRETE COVER REQUIRED ALL AROUND (MIN.)
 4. SPLICE EXISTING CABLES AS REQUIRED AT END OF EXTENSION.

DUCT BANK EXTENSION DETAIL
N.T.S.
(INCIDENTAL TO ITEM L-110-5.3)

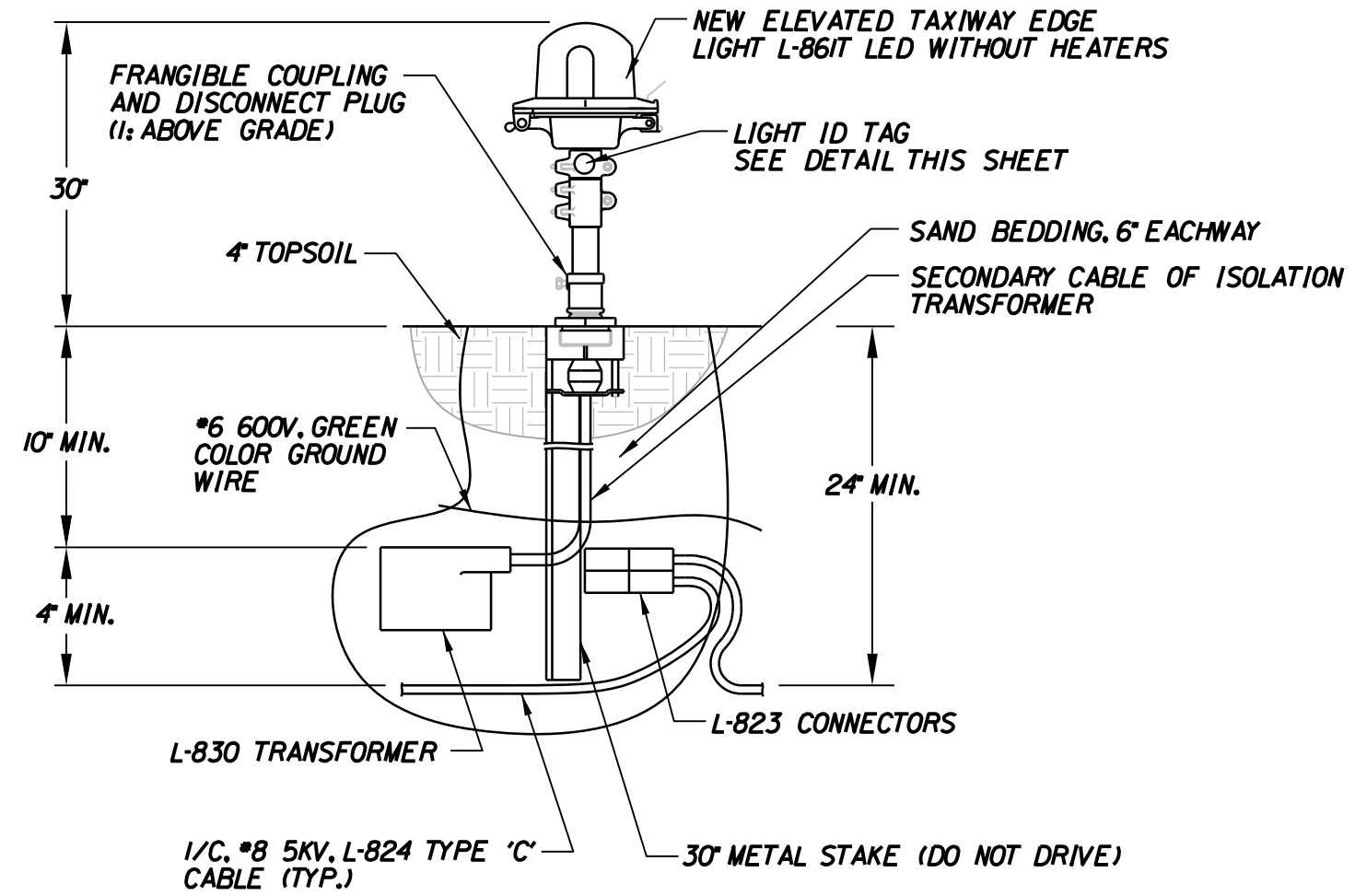


(4*)4-WAY CONCRETE ENCASED DUCT BANK - 48" MINIMUM COVER
N.T.S.
(ITEM L-110-5.3)



- NOTES:**
1. TAXIWAY EDGE LIGHTS ARE TO BE SET 10' FROM THE EDGE OF PAVEMENT TO THE CENTERLINE OF THE LIGHT FIXTURE.
 2. THE CONTRACTOR SHALL ADJUST THE HORIZONTAL DISTANCE FROM THE EDGE OF THE PAVEMENT SUCH THAT THE LIGHT FIXTURES FORM A STRAIGHT-LINE HORIZONTALLY ALONG THE ENTIRE TAXIWAY EDGE AND VERTICALLY FOLLOW THE RUNWAY OR TAXIWAY GRADE.
 3. SUFFICIENT CABLE SLACK (MIN. OF 3 FEET) SHALL BE LEFT IN EACH BASE TO ALLOW TRANSFORMERS TO BE TAKEN OUT OF THE BASE.
 4. ID NUMBER SHALL BE ASSIGNED USING A LOGICAL ORDER DEPENDENT ON EXISTING LIGHT ID NUMBERS AND APPROVED BY THE ENGINEER AND AIRPORT MANAGER.
 5. THE CONTRACTOR SHALL IDENTIFY WHICH LIGHT BASES REQUIRE MORE THAN TWO DUCTS OPENINGS TO ACCEPT A CONDUIT RUNNING PERPENDICULAR TO THE TAXIWAY CENTERLINE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE ADDITIONAL DUCT OPENING.
 6. FIBERGLASS RETROREFLECTIVE LIGHT MARKER SHALL BE INSTALLED ON NEW LED EDGE LIGHTS ONLY

BASE MOUNTED TAXIWAY
N.T.S.
(ITEM L-125-5.1)



- NOTES:**
1. TAXIWAY EDGE LIGHTS ARE TO BE SET 10' FROM THE EDGE OF PAVEMENT TO THE CENTERLINE OF THE LIGHT FIXTURE.
 2. THE CONTRACTOR SHALL ADJUST THE HORIZONTAL DISTANCE FROM THE EDGE OF THE PAVEMENT SUCH THAT THE LIGHT FIXTURES FORM A STRAIGHT-LINE HORIZONTALLY ALONG THE ENTIRE TAXIWAY EDGE AND VERTICALLY FOLLOW THE TAXIWAY GRADE.
 3. SUFFICIENT CABLE SLACK (MIN. OF 3 FEET) SHALL BE LEFT AT EACH LIGHT TO ALLOW TRANSFORMERS TO BE TAKEN OUT OF THE GROUND.
 4. ID NUMBER SHALL BE ASSIGNED USING A LOGICAL ORDER DEPENDENT ON EXISTING LIGHT ID NUMBERS AND APPROVED BY THE ENGINEER.

STAKE MOUNTED TAXIWAY EDGE LIGHT
N.T.S.
(ITEM L-125-2)

- NOTES:**
1. *6 BARE COUNTERPOISE WITH 3/4 x 10' GROUND ROD INSTALLED AT MAXIMUM 500' SPACING. INSTALL GROUND RODS TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT.
 2. TOP OF GROUND ROD SHALL BE INSTALLED 8" BELOW GRADE AND ATTACHED TO THE COUNTERPOISE WITH AN EXOTHERMIC WELDED CONNECTION.
 3. WIDTH OF TRENCH VARIES DEPENDING ON NUMBER OF CONDUITS. TRENCH WIDTH SHALL ACCOMMODATE CONDUITS SPACED AT 6" O.C. WITH 3" CLEARANCE BETWEEN OUTSIDE CONDUITS AND TRENCH WALL.
 4. COST OF TRENCHING, BACKFILL AND RESTORATION TO BE INCLUDED IN CABLE/CONDUIT BID ITEMS.

(2*)1-WAY NON-ENCASED DUCT BANK
N.T.S.
(ITEM L-110-5.1)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

Date: 4/12/2021

Username: rluchini

Division:

Filename: ... \Electrical_Details_2.dgn



PROJ. MANAGER: T. LESIEGE
DESIGN-DETAILED: M. O'BRIEN
CHECKED-REVIEWED: R. LUCHINI
DESIGN-DETAILED: R. LUCHINI
REVISIONS: 1
REVISIONS: 2
REVISIONS: 3
FIELD CHANGES: 4

DATE: 04-12-2021
SIGNATURE: MATTHEW T. O'BRIEN
P.E. NUMBER: 12842
DATE: 04-12-2021

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
ELECTRICAL DETAILS
(2 OF 2)

SHEET NUMBER

39

OF 62

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: B-1 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Client: McFarland Johnson, Inc. Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (12 inches).	13	7	18	18.5	GS NM
12	S-2	FILL; Silty sand with gravel, moist, coarse to fine subangular gravel, medium to fine sand, little silt, few asphalt fragments, brown.	20	19			
12		ASPHALTIC PAVEMENT (2 inches)					
14	S-3	FILL; Silty sand with gravel, moist, coarse to fine subangular gravel, medium to fine sand, little silt, few asphalt fragments, brown.	24	41	9.3		GS NM
14	S-4		15	16			
15		Bottom of Exploration at 9'; Not refusal.					
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: B-2 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Client: McFarland Johnson, Inc. Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (4 inches).	10	13	28		
4	S-2	FILL; Sand with silt, moist, medium to fine sand, few coarse to fine gravel, little silt, brown.	10	16	4.5		GS NM
4	S-3	SAND (SP); Medium dense to loose, moist, coarse to fine sand, trace silt, brown.	0	9			
4	S-4	SAND WITH SILT (SP-SM); Loose, medium to fine sand, few silt, brown.	20	6	5.3		GS NM
10		Bottom of Exploration at 9'; Not refusal.					
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: B-3 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Client: McFarland Johnson, Inc. Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (3 inches).	12	6	16	9.0	GS NM
3	S-2	FILL; Sand with silt and gravel, moist, coarse to fine subangular to angular gravel, medium to fine sand, little silt, brown.	18	24			
3	S-3		18	26			
3	S-4	SAND WITH SILT AND GRAVEL (SP-SM); Medium dense, moist, coarse to fine sand, coarse to fine gravel, trace silt, brown.	12	15	6.9		GS NM
10		Bottom of Exploration at 9'; Not refusal.					
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: B-4 Total Depth (ft): 6.5 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Client: McFarland Johnson, Inc. Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	FILL; TOPSOIL AND ORGANIC MATERIAL (5 inches).	10	5	23		
5	S-2	FILL; Sand with silt and gravel, moist, coarse to fine sand, coarse to fine gravel, few silt, few asphalt fragments, brown.	12	20	5.8		GS NM
5	S-3		10	78	4.8		GS NM
10		Bottom of Exploration at 6.5'; Auger refusal, possible bedrock or boulder.					
Notes:							

NOTES:

1. GEOTECHNICAL FIELD INVESTIGATION WAS CONDUCTED ON DECEMBER 19, 2020 BY R.W. GILLESPIE & ASSOCIATES, INC.
2. FOR BORING LOCATIONS, SEE EXISTING CONDITIONS PLANS SHEETS 5 & 6.
3. COPIES OF THE BORING LOGS AND LABORATORY TEST RESULTS PERFORMED ON SOIL SAMPLES OBTAINED FROM THE SOIL BORINGS ARE BEING PROVIDED FOR YOUR USE AND REFERENCE (REFER TO SPECIAL PROVISION OF THE SPECIFICATION). IT IS UNDERSTOOD AND AGREED THAT SUCH SUBSURFACE INFORMATION HAS BEEN MADE AVAILABLE FOR THE CONVENIENCE OF ALL BIDDERS. IT IS FURTHER UNDERSTOOD AND AGREED THAT EACH BIDDER IS SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS WHICH HE/SHE MAY MAKE OR OBTAIN FROM HIS/HER EXAMINATION OF THE BORING LOGS AND OTHER RECORDS OF SUBSURFACE INVESTIGATIONS AND TESTS THAT ARE FURNISHED BY THE OWNER. CONTRACTOR MAY DO ADDITIONAL BORINGS AT NO ADDITIONAL COST TO THE OWNER.

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN SPINNUMBERS
 FAA A.I.P. 3-23-0003-XXX-2021



MATTHEW T. OBRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGNS-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	FIELD CHANGES
T. LESIEGE	M. OBRIEN	R. LUCHINI					

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 BORING LOGS
 (1 OF 3)

SHEET NUMBER

40

OF 62

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: B-5 Total Depth (ft): 4.3 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	FILL: TOPSOIL AND ORGANIC MATERIAL (4 inches)	15	7	28	5.7	GS
	S-2	FILL: Sand with silt and gravel, moist, coarse to fine sand, little coarse to fine gravel, few silt, brown.	20	11	74	3.2	NM GS NM
5		Bottom of Exploration at 4.3'; Auger refusal, possible bedrock or boulder.					
10							
15							
20							
25							
30							
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-1 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4.75 inches)	GRAE	15	37	15.6	GS
	S-2	FILL: Gravelly sand with silt, moist, coarse to fine subangular to angular gravel, coarse to fine sand, trace silt, brown.	24	20			NM
	S-3		16	18	31	6.7	GS
	S-4		10	15			NM
	S-5	SAND WITH SILT (SP-SM); Medium dense, moist, coarse to fine sand, trace to few fine gravel, few silt, brown.	8	11	17		
5		Bottom of Exploration at 9'; Not refusal.					
10							
15							
20							
25							
30							
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-2 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4.25 inches)	GRAE	21	43	13.2	GS
	S-2	FILL: Sand with silt and gravel, moist, coarse to fine sand, little coarse to fine subangular to subround gravel, few silt, trace asphalt, brown.	24	21			NM
	S-3		23	21	41		
	S-4	SAND WITH SILT (SP-SM); Dense, moist, coarse to fine sand, trace fine gravel, few silt, light brown.	24	20			
	S-5	SAND (SP); Medium dense, moist, coarse to fine sand, trace silt, red/brown.	18	9	3.7		GS
5		Bottom of Exploration at 9'; Not refusal.					NM
10							
15							
20							
25							
30							
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-3 Total Depth (ft): 7.5 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4 inches)	GRAE	23	59	11.0	GS
	S-2	FILL: Sand with silt and gravel, moist, coarse to fine subangular subround gravel, coarse to fine sand, few silt, brown.	24	26		4.3	NM
	S-3		22	33	52		GS
	S-4		15	26	44		NM
	S-5	Bottom of Exploration at 7.5'; Auger refusal, possible bedrock or boulder.	3	16	100+		
5							
10							
15							
20							
25							
30							
Notes:							

- NOTES:**
1. GEOTECHNICAL FIELD INVESTIGATION WAS CONDUCTED ON DECEMBER 19, 2020 BY R.W. GILLESPIE & ASSOCIATES, INC.
 2. FOR BORING LOCATIONS, SEE EXISTING CONDITIONS PLANS SHEETS 5 & 6.
 3. COPIES OF THE BORING LOGS AND LABORATORY TEST RESULTS PERFORMED ON SOIL SAMPLES OBTAINED FROM THE SOIL BORINGS ARE BEING PROVIDED FOR YOUR USE AND REFERENCE (REFER TO SPECIAL PROVISION OF THE SPECIFICATION). IT IS UNDERSTOOD AND AGREED THAT SUCH SUBSURFACE INFORMATION HAS BEEN MADE AVAILABLE FOR THE CONVENIENCE OF ALL BIDDERS. IT IS FURTHER UNDERSTOOD AND AGREED THAT EACH BIDDER IS SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS WHICH HE/SHE MAY MAKE OR OBTAIN FROM HIS/HER EXAMINATION OF THE BORING LOGS AND OTHER RECORDS OF SUBSURFACE INVESTIGATIONS AND TESTS THAT ARE FURNISHED BY THE OWNER. CONTRACTOR MAY DO ADDITIONAL BORINGS AT NO ADDITIONAL COST TO THE OWNER.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AUGUSTA STATE AIRPORT		KENNEBEC COUNTY	
BID DOCUMENTS		BORING LOGS	
AUGUSTA		(2 OF 3)	
SHEET NUMBER		41	
PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY		NOT TO BE USED FOR CONSTRUCTION	
WIN SPIN NUMBERS		FAA A.I.P. 3-23-0003-XXX-2021	
DATE		04-12-2021	
BY		M. OBREIN	
T. LESIEGE		R. LUCHINI	
DESIGN-DETAILED		DESIGN-REVIEWED	
CHECKED		DESIGNS DETAILED	
DESIGNS DETAILED		REVISIONS 1	
REVISIONS 1		REVISIONS 2	
REVISIONS 2		REVISIONS 3	
REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	
PROJ. MANAGER		M. OBREIN	
DESIGN-DETAILED		DESIGN-REVIEWED	
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DESIGNS DETAILED		REVISIONS 1	
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T. LESIEGE		R. LUCHINI	
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REVISIONS 4		FIELD CHANGES	
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REVISIONS 4		FIELD CHANGES	
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REVISIONS 2		REVISIONS 3	
REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	
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BY		M. OBREIN	
T. LESIEGE		R. LUCHINI	
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REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	
PROJ. MANAGER		M. OBREIN	
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DESIGNS DETAILED		REVISIONS 1	
REVISIONS 1		REVISIONS 2	
REVISIONS 2		REVISIONS 3	
REVISIONS 3		REVISIONS 4	
REVISIONS 4		FIELD CHANGES	
DATE		04-12-2021	
BY		M. OBREIN	
T. LESIEGE		R. LUCHINI	
DESIGN-DETAILED		DESIGN-REVIEWED	

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-4 Total Depth (ft): 7.5 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4 inches).	GRAE	24	19	52	GS NM
0.5	S-2	FILL; Sand with silt and gravel, moist, coarse to fine sand, little coarse to fine subangular to subround gravel, few silt, brown.	24	26	24		
1	S-3		24	32	24		
1.5	S-4		15	38	4.5	GS NM	
2	S-5	SAND WITH SILT AND GRAVEL (SP-SM); Very dense to dense, coarse to fine sand, little coarse to fine subround to round gravel, few silt, brown. Bottom of Exploration at 7.5'; Auger refusal, possible bedrock or boulder.	4	17	100+		
2.5			25	25	50/11"		
3			30	30			
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-5 Total Depth (ft): 2 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (3.25 inches).	GRAE	8	31	100+	GS NM GS NM
0.5	S-2	FILL; Sand with silt and gravel, moist, coarse to fine sand, coarse to fine gravel, little silt, brown. Bottom of Exploration at 2'; Auger refusal, possible bedrock or boulder.	8	50/4"	3.6		
1							
1.5							
2							
2.5							
3							
Notes:							

NOTES:

1. GEOTECHNICAL FIELD INVESTIGATION WAS CONDUCTED ON DECEMBER 19, 2020 BY R.W. GILLESPIE & ASSOCIATES, INC.
2. FOR BORING LOCATIONS, SEE EXISTING CONDITIONS PLANS SHEETS 5 & 6.
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PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY
 NOT TO BE USED FOR CONSTRUCTION

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-6 Total Depth (ft): 4.7 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4.5 inches).	GRAE	16	44	17.1	GS NM
0.5	S-2	FILL; Sand with silt and gravel, moist, coarse to fine sand, little coarse to fine gravel, few silt, brown.	22	23			
1	S-3	SILTY SAND (SM); Very dense, moist, coarse to fine sand, trace fine gravel, little silt, brown. Bottom of Exploration at 4.7'; Auger refusal, possible bedrock or boulder.	10	21	100+	7.2	GS NM
1.5			20	20	50/5"		
2							
2.5							
3							
Notes:							

R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-7 Total Depth (ft): 4.1 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4.25 inches).	GRAE	22	20	45	GS NM GS NM
0.5	S-2	FILL; Silty sand with gravel, moist, coarse to fine sand, coarse to fine gravel, little silt, brown.	22	24			
1	S-3	SAND WITH SILT (SP-SM); Very dense, moist, coarse to fine sand, little silt, brown. Bottom of Exploration at 4.1'; Auger refusal, possible bedrock or boulder.	10	24	100+	6.4	
1.5			20	20	50/4"		
2							
2.5							
3							
Notes:							

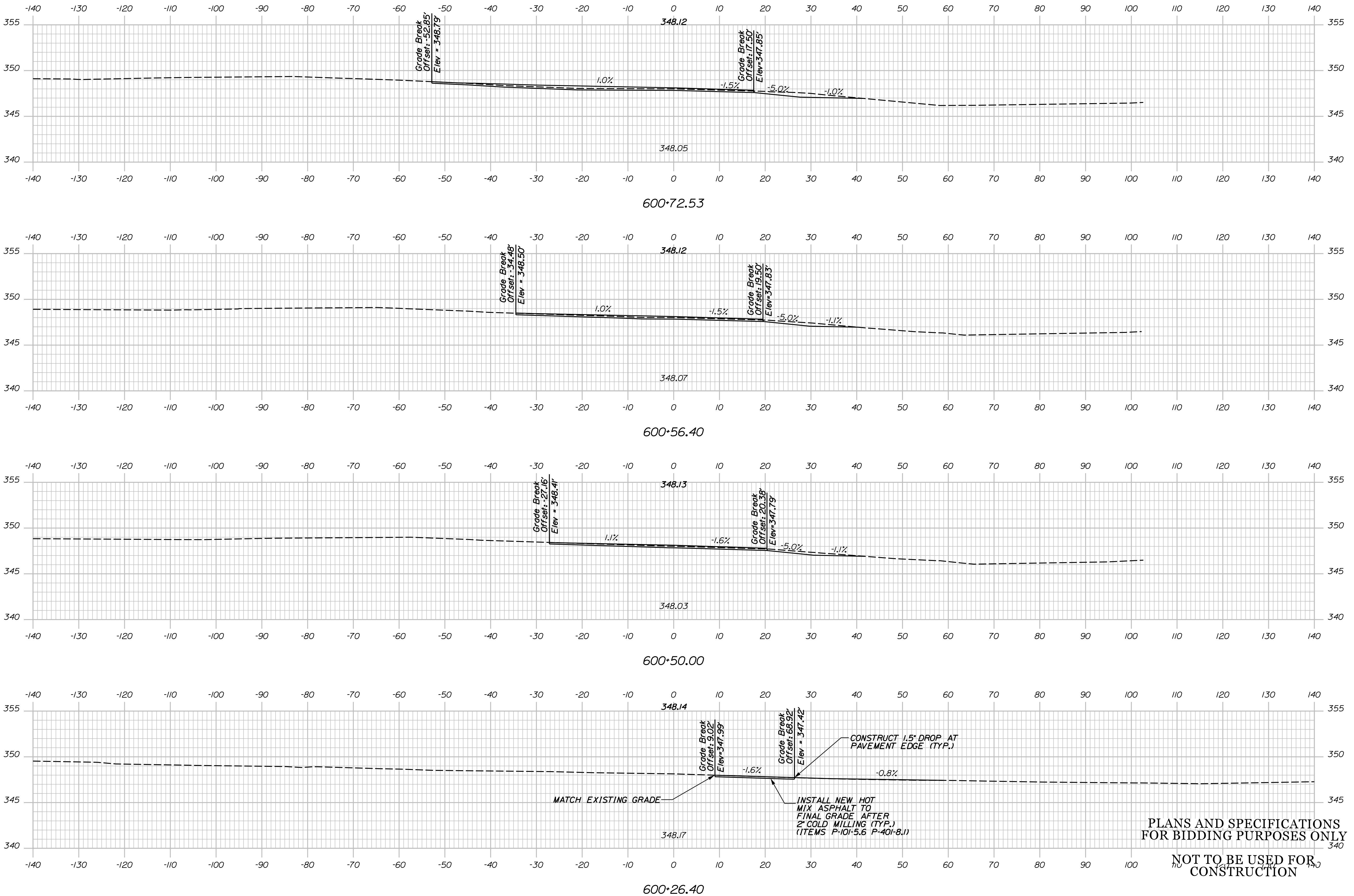
R.W. Gillespie & Associates • Geotechnical Engineering • Environmental Consulting • Materials Testing Services		Boring Log: CB-8 Total Depth (ft): 9 Sheet 1 of 1					
Project Name: Reconstruct Taxiway C RWG&A Project No. 1569-011 Location: Augusta, Maine Client: McFarland Johnson, Inc. RWG&A Representative: Dan Burgess Boring Location: See Exploration Location Plan Boring Abandonment Method: Backfill with cuttings Observed Water Depth: Not Obs.		Drilling Co.: Northern Test Boring Drill Rig: Diedrich D50 Driller Rep.: Mike Nadeau Date Started: 12/19/2020 Date Completed: 12/19/2020 Surface Elevation: Drilling Method: 2 1/4" HSA Casing Type: N/A					
DEPTH, FT.	SYMBOL SAMPLES	DESCRIPTION OF MATERIAL	SAMPLE RECOVERY, IN.	BLOWS PER 6"	SPT-N BLOWS PER FT.	MOISTURE CONTENT %	LAB TESTS
0	S-1	ASPHALTIC PAVEMENT (4 inches).	GRAE	24	17	41	GS NM
0.5	S-2	FILL; Sand with silt and gravel, moist, coarse to fine sand, few to little coarse to fine gravel, few silt, brown.	24	19			
1	S-3	SAND WITH SILT (SP-SM); Dense, moist, coarse to fine sand, little silt, brown.	24	22	73		
1.5	S-4	Coarse to fine gravel.	20	22	58		
2	S-5	Bottom of Exploration at 9'; Not refusal.	15	22	34	3.8	GS NM
2.5			13	22			
3							
Notes:							

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
AUGUSTA STATE AIRPORT		KENNEBEC COUNTY	
BID DOCUMENTS		BORING LOGS (3 OF 3)	
AUGUSTA		SHEET NUMBER	
42		42	
OF 62		OF 62	
PROJ. MANAGER	T. LESIEGE	BY	
DESIGN-DETAILED	M. O'BRIEN	DATE	
CHECKED-REVIEWED			
DESIGNS-DETAILED	R. LUCHINI		
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
MATTHEW T. O'BRIEN	SIGNATURE	P.E. NUMBER	04-12-2021
12842		DATE	
WIN \$PINNUMBERS		FAA A.I.P. 3-23-0003-XXX-2021	

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS\$
 FAA A.I.P 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
 CHECKED/REVIEWED: M. O'BRIEN
 DESIGNED/DETAILED: R. LUCHINI
 REVISIONS 1
 REVISIONS 2
 REVISIONS 3
 REVISIONS 4
 FIELD CHANGES

DATE	BY	REVISION
04-12-2021	MATTHEW T. O'BRIEN	SIGNATURE
		P.E. NUMBER
		DATE

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

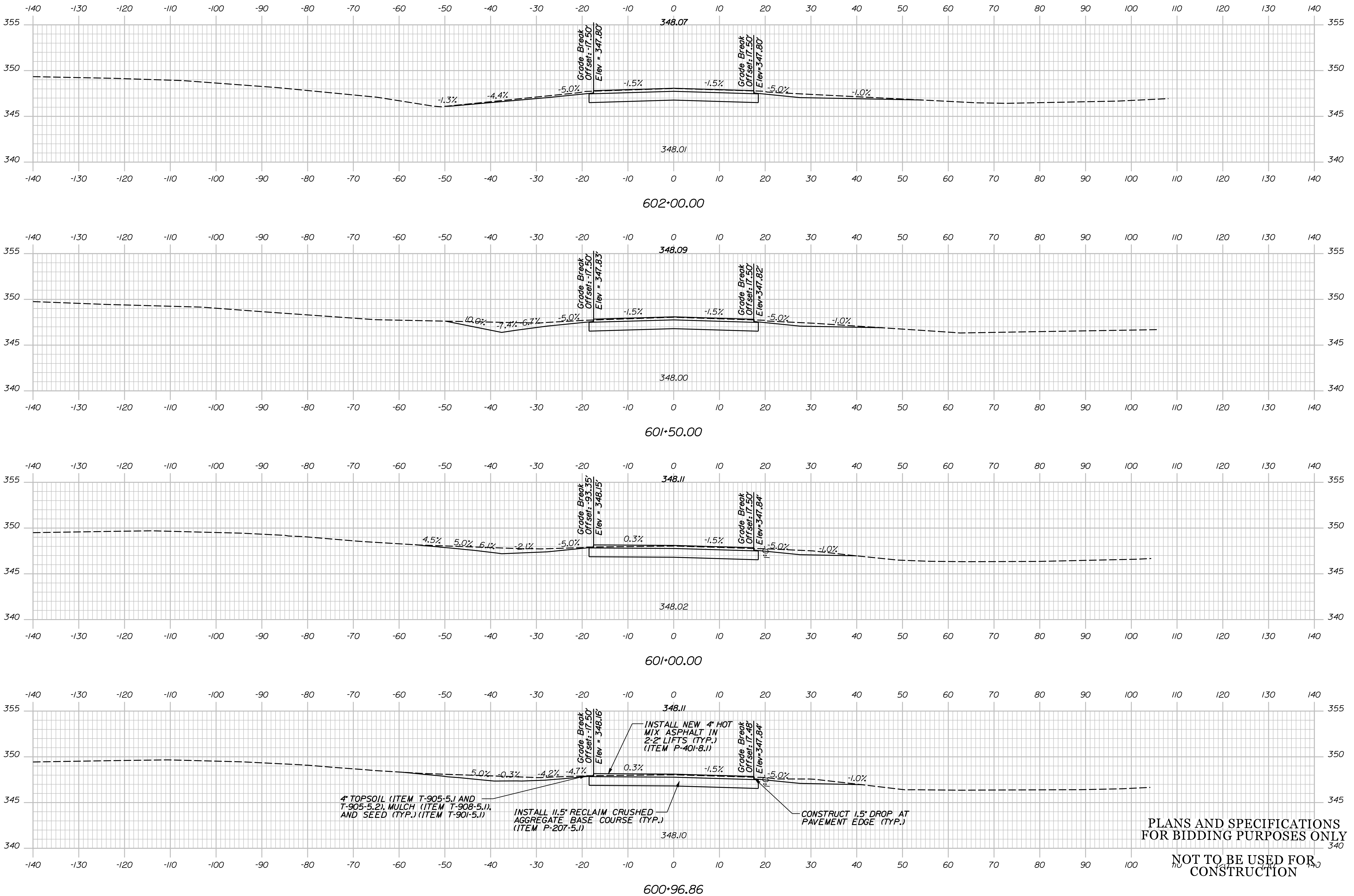
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



4" TOPSOIL (ITEM T-905-5.1 AND T-905-5.2), MULCH (ITEM T-908-5.1), AND SEED (TYP.) (ITEM T-901-5.1)

INSTALL 11.5" RECLAIM CRUSHED AGGREGATE BASE COURSE (TYP.) (ITEM P-207-5.1)

INSTALL NEW 4" HOT MIX ASPHALT IN 2-2" LIFTS (TYP.) (ITEM P-401-8.1)

CONSTRUCT 1.5" DROP AT PAVEMENT EDGE (TYP.)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	DESIGN DETAILED	CHECKED/REVIEWED	DESIGNS DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESBIE			M. O'BRIEN		R. LUCHINI					

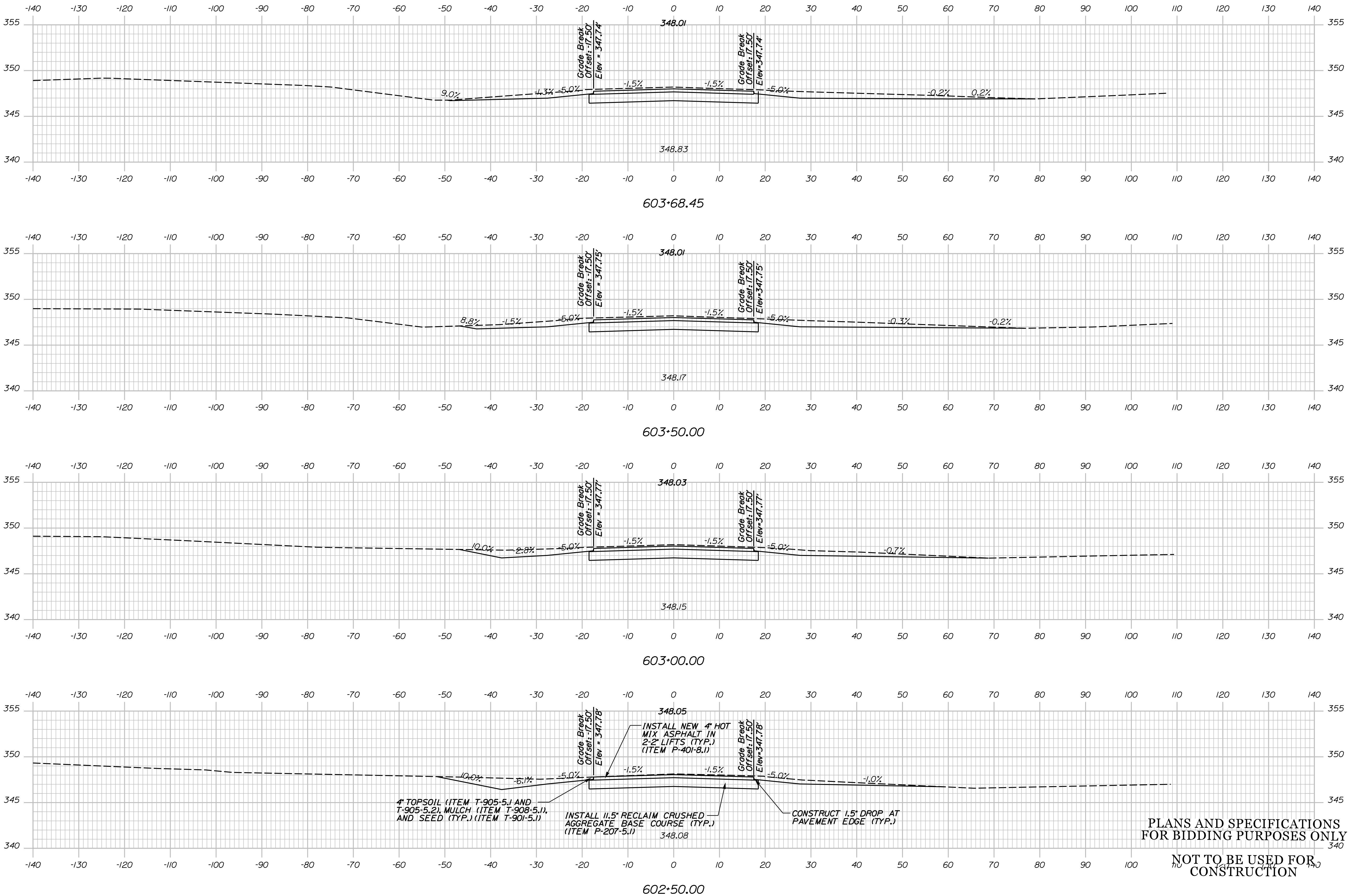
AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA
KENNEBEC COUNTY
TAXIWAY C CROSS SECTIONS

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44
OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
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MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY
T. LESIEGE		
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

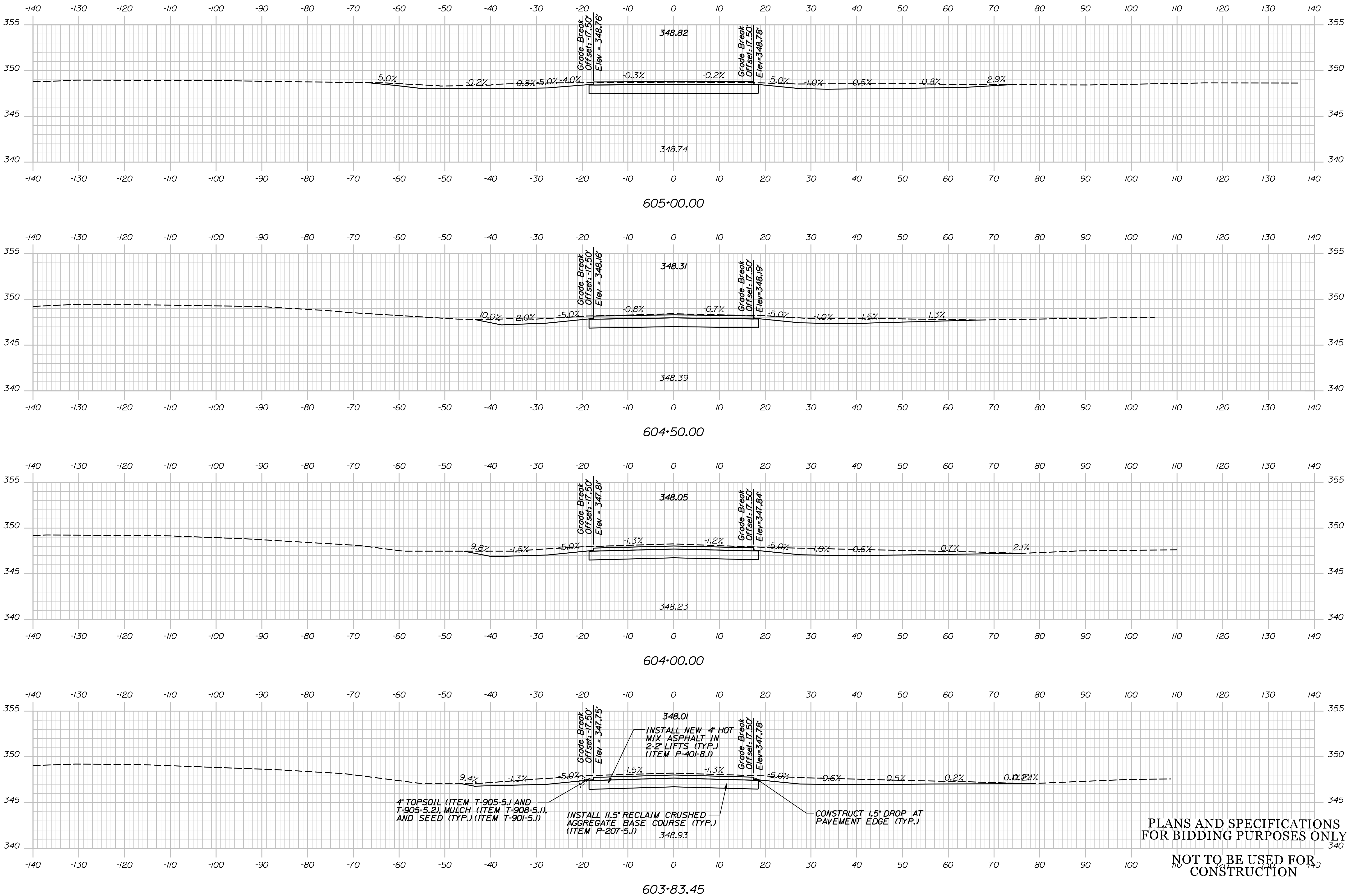
AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
TAXIWAY C CROSS SECTIONS

SHEET NUMBER
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



4" TOPSOIL (ITEM T-905-5.1 AND T-905-5.2), MULCH (ITEM T-908-5.1), AND SEED (TYP.) (ITEM T-901-5.1)

INSTALL 11.5" RECLAIM CRUSHED AGGREGATE BASE COURSE (TYP.) (ITEM P-207-5.1)

INSTALL NEW 4" HOT MIX ASPHALT IN 2-2 LIFTS (TYP.) (ITEM P-401-8.1)

CONSTRUCT 1.5" DROP AT PAVEMENT EDGE (TYP.)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINUMBERS
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MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY
T. LESBIE <td></td> <td></td>		
DESIGN DETAILED		
CHECKED/REVIEWED		
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REVISIONS 4		
FIELD CHANGES		

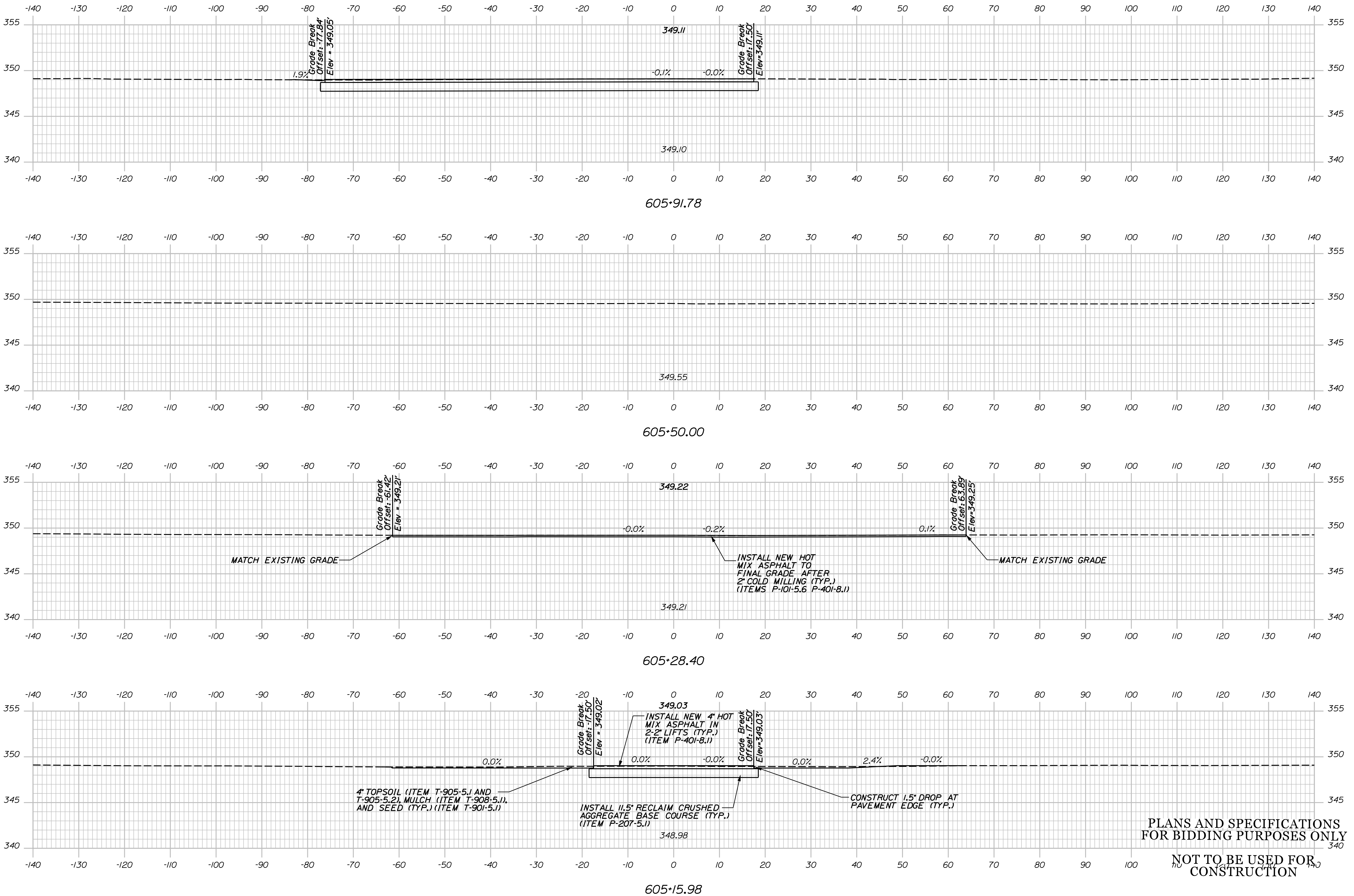
AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
TAXIWAY C CROSS SECTIONS

SHEET NUMBER
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS\$
 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY	LEBIEGE
T. O'BRIEN			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

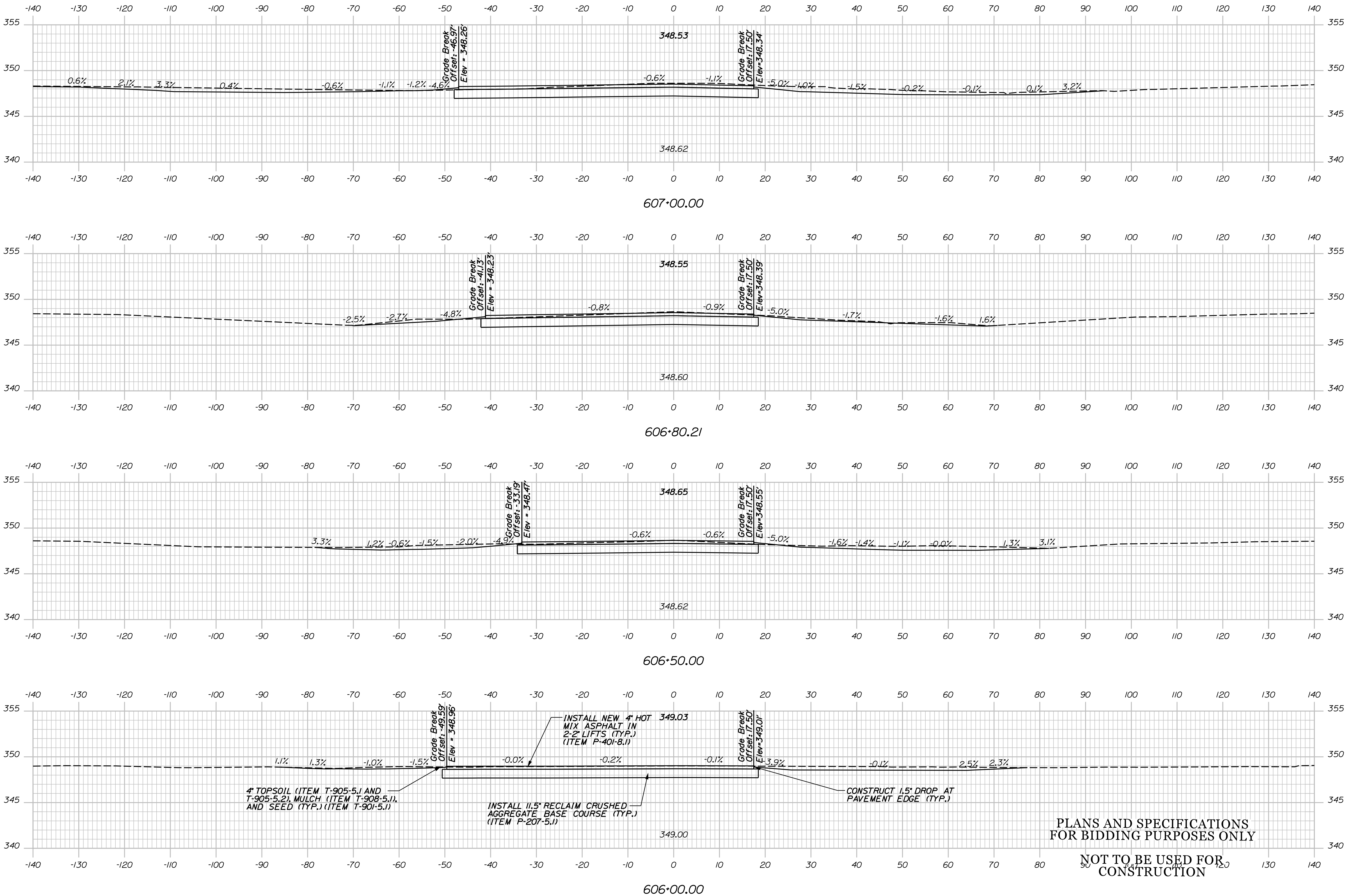
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Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
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 FAA AIP: 3-23-0003-XXX-2021
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 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
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 P.E. NUMBER
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PROJ. MANAGER	DATE	BY	T. LESIEGE
DESIGN DETAILED			
CHECKED/REVIEWED			
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

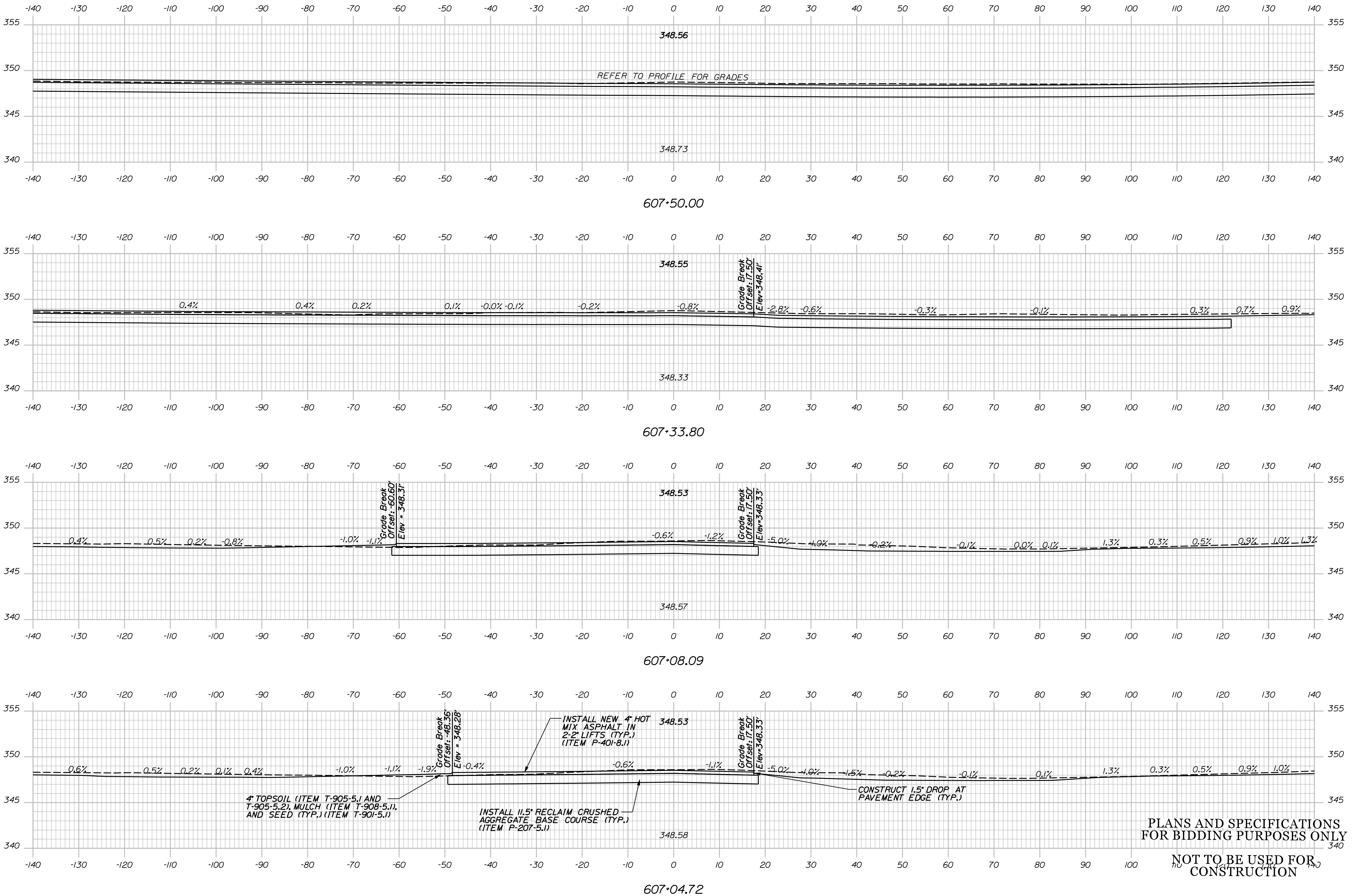
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
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CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINUMBER\$
FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESBIE
DESIGN-DETAILED: M. O'BRIEN
CHECKED-REVIEWED: R. LUCHINI
DESIGNS-DETAILED: R. LUCHINI
REVISIONS 1:
REVISIONS 2:
REVISIONS 3:
REVISIONS 4:
FIELD CHANGES:

DATE	BY	DESCRIPTION
04-12-2021	M. O'BRIEN	SIGNATURE
		P.E. NUMBER
		DATE

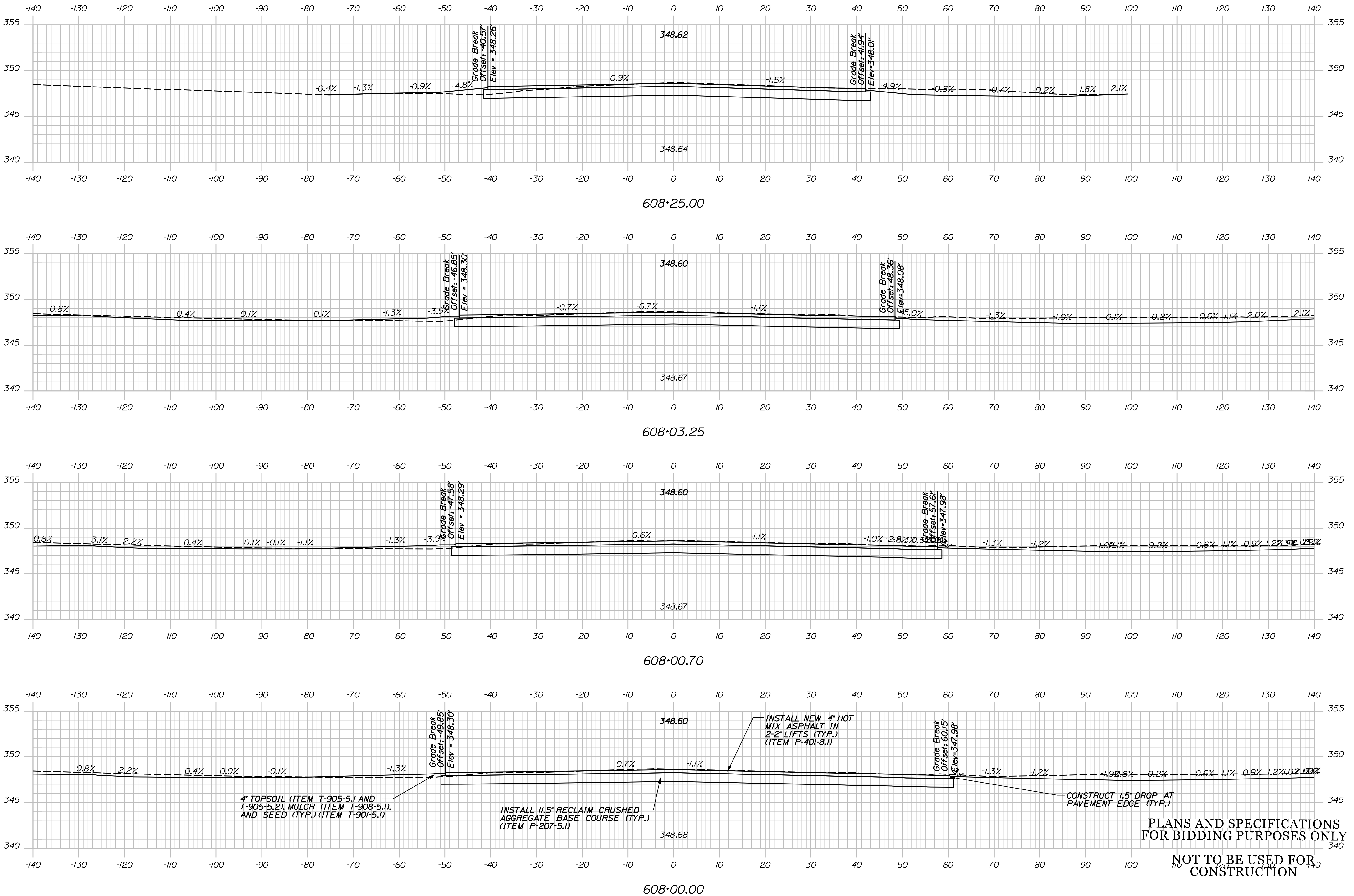
AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA
KENNEBEC COUNTY
TAXIWAY C CROSS SECTIONS

SHEET NUMBER
49
OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA A.I.P. 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 P.E. NUMBER
 DATE

PROJ. MANAGER	DATE	BY	LESBIEGE
T. LESBIEGE		M. O'BRIEN	
CHECKED-REVIEWED		M. O'BRIEN	
DESIGNS-DETAILED		R. LUCHINI	
DESIGNS-DETAILED		R. LUCHINI	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

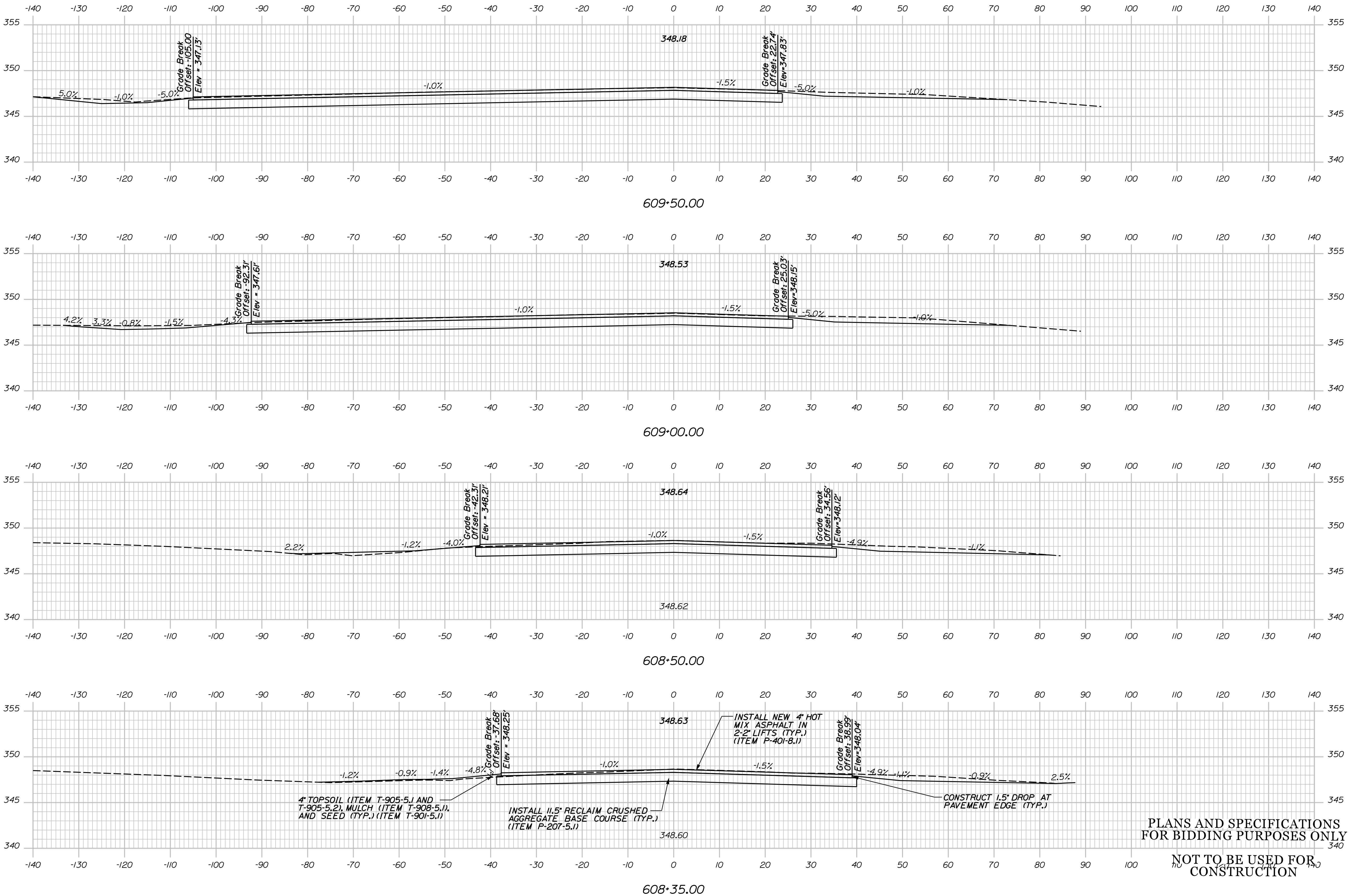
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS\$
 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	BY	DATE
T. LESIEGE	M. O'BRIEN	
DESIGN-DETAILED	R. LUCHINI	
CHECKED-REVIEWED		
DESIGNS-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

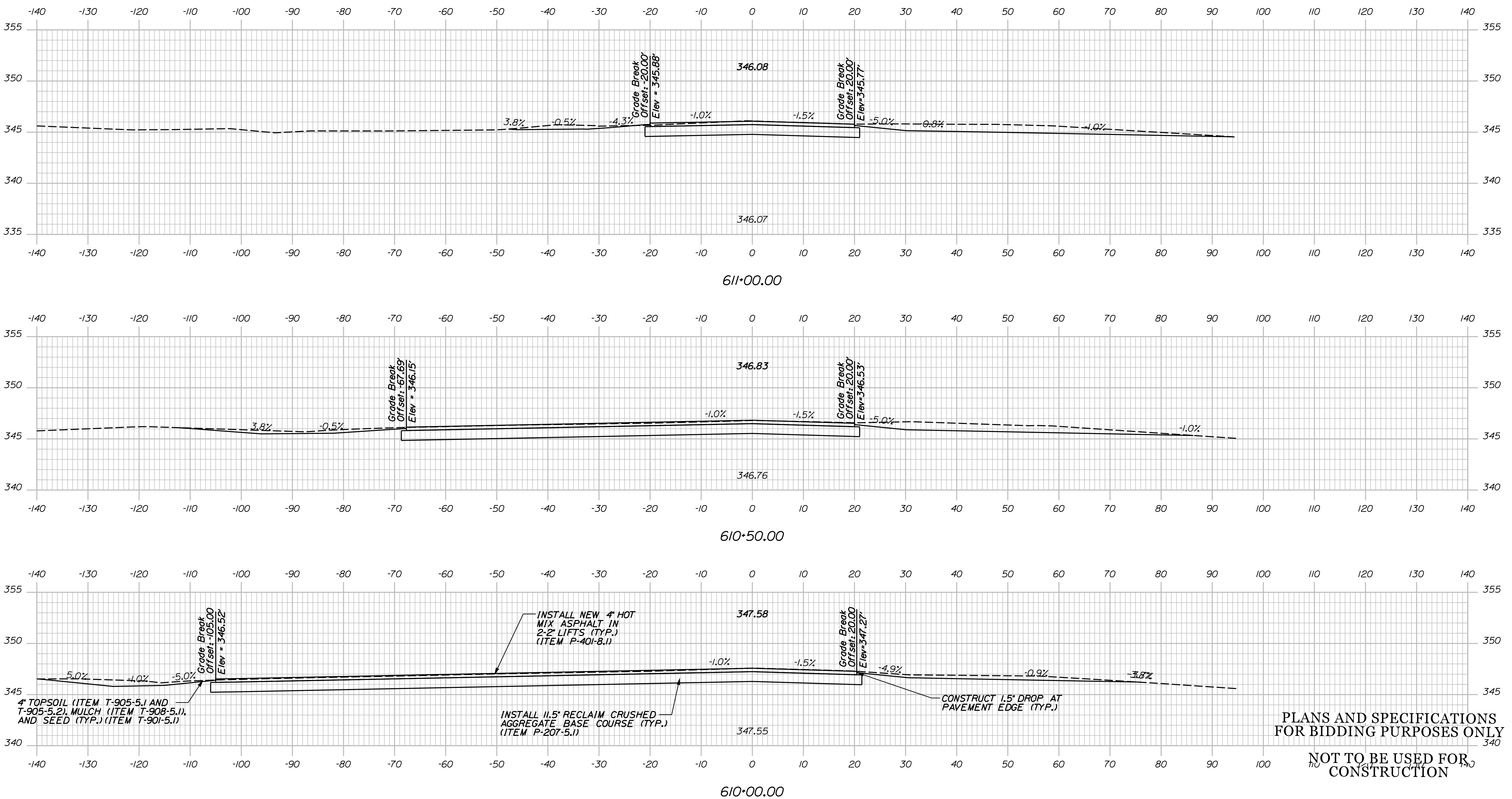
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY	LEB/SEC
T. LESBIE			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY C CROSS SECTIONS

SHEET NUMBER

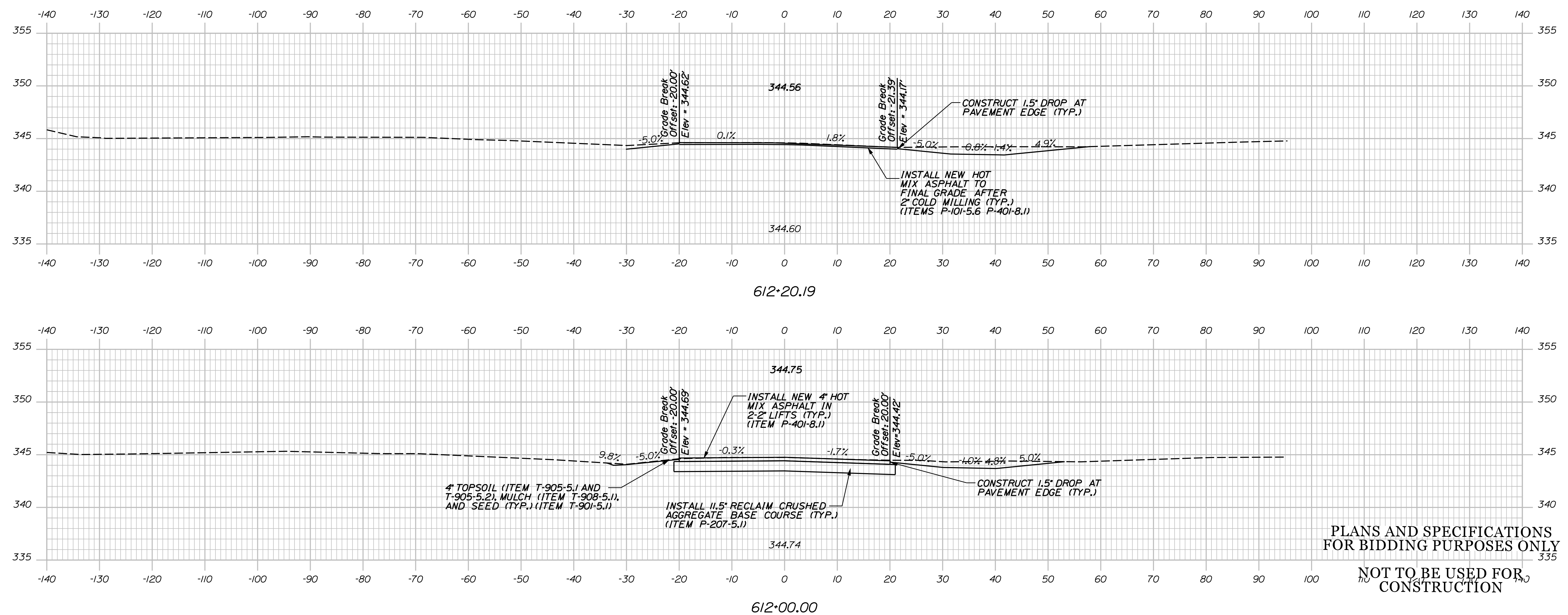
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINUMBERS
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

DATE	BY	T. LESIEGE
	DESIGN-DETAILED	M. O'BRIEN
	CHECKED-REVIEWED	R. LUCHINI
	DESIGN-DETAILED	
	REVISIONS 1	
	REVISIONS 2	
	REVISIONS 3	
	REVISIONS 4	
	FIELD CHANGES	

AUGUSTA STATE AIRPORT
BID DOCUMENTS
KENNEBEC COUNTY
AUGUSTA
TAXIWAY C CROSS SECTIONS

SHEET NUMBER

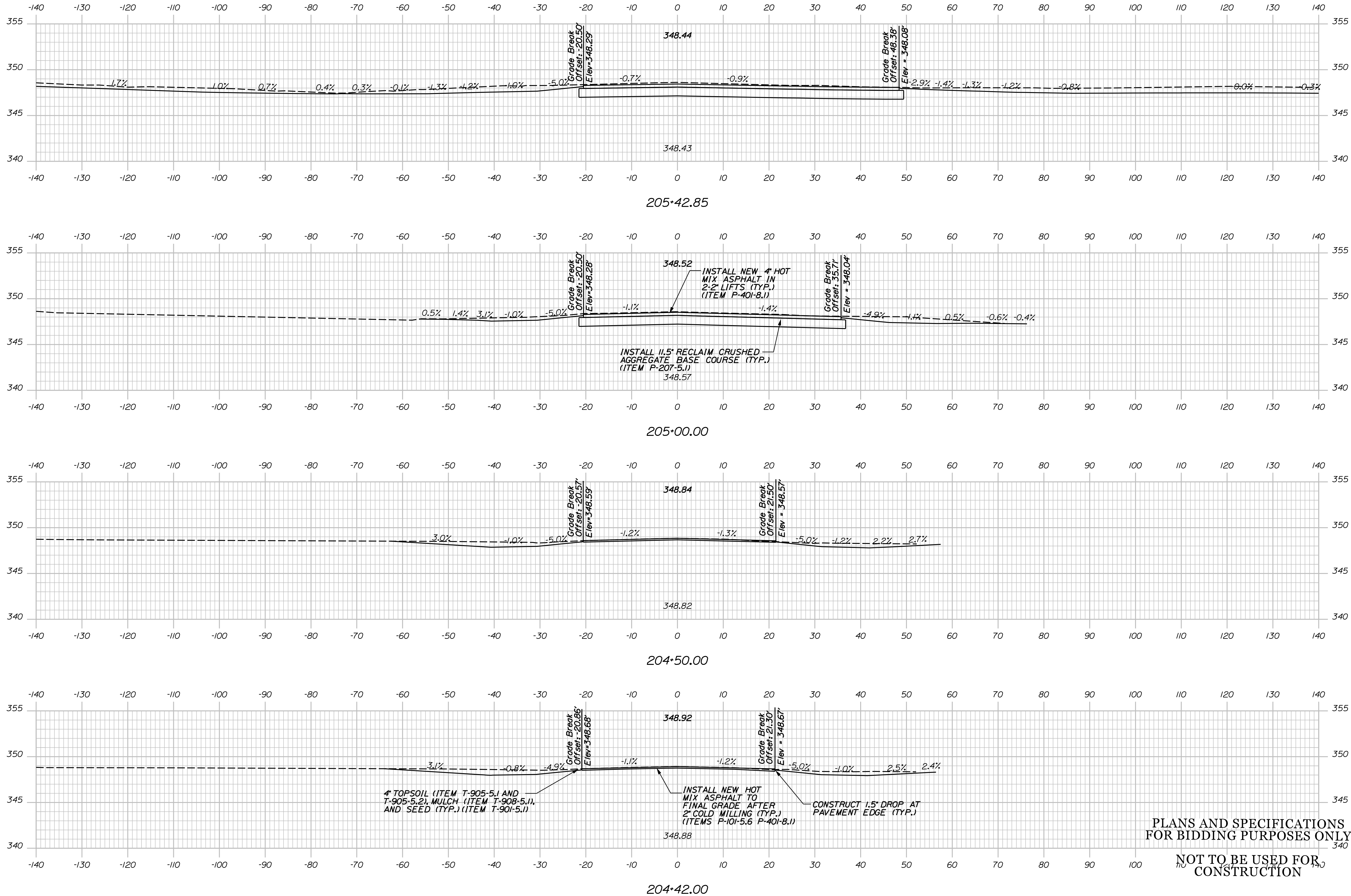
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA A.I.P 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
 CHECKED/REVIEWED: M. O'BRIEN
 DESIGNED/DETAILED: R. LUCHINI
 REVISIONS: 1, 2, 3, 4
 FIELD CHANGES

DATE	BY	REVISION
	MATTHEW T. O'BRIEN	SIGNATURE
		12842
		P.E. NUMBER
		04-12-2021
		DATE

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 KENNEBEC COUNTY
 AUGUSTA
 TAXIWAY E CROSS SECTIONS

SHEET NUMBER

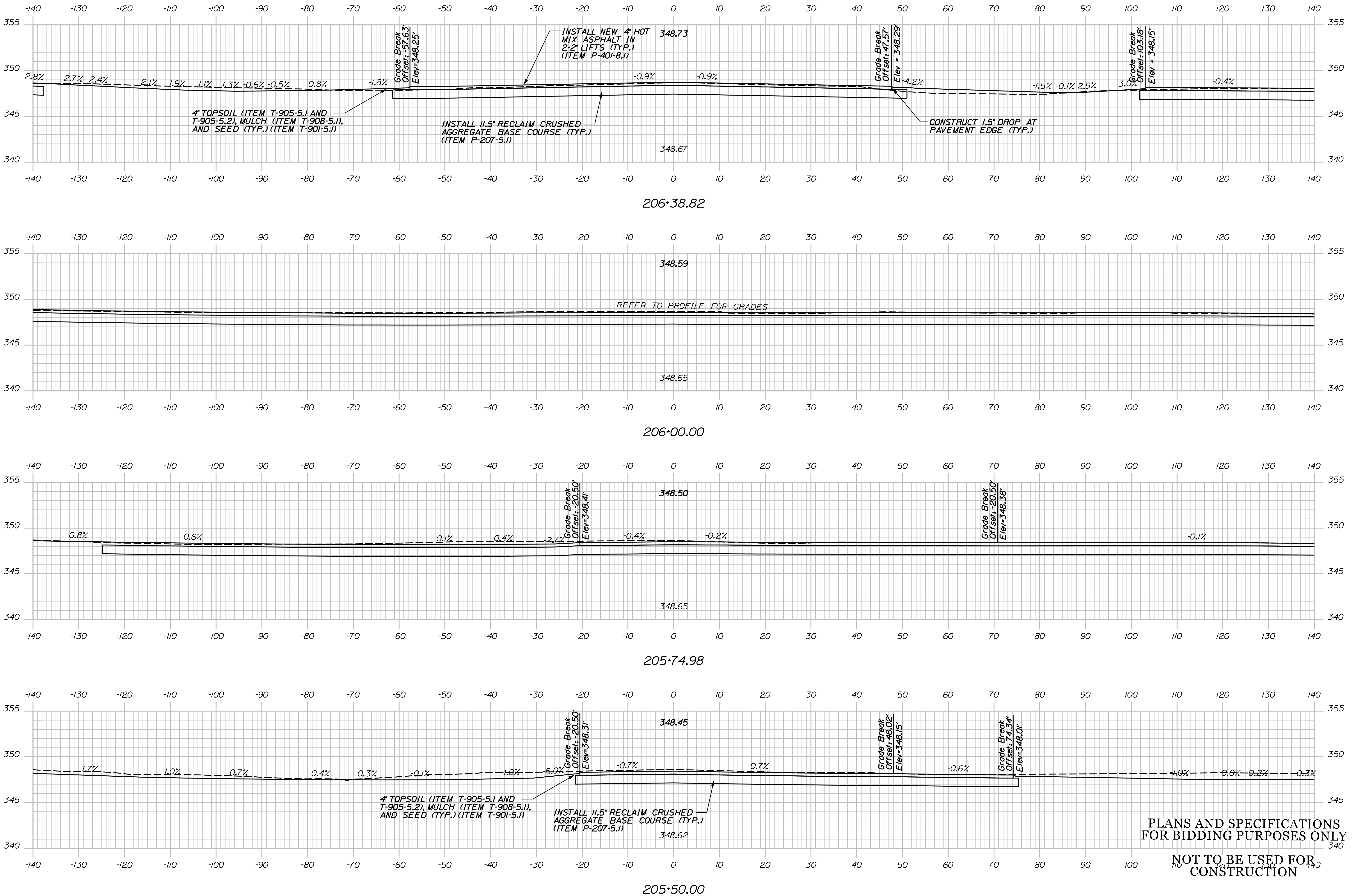
55

OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
NOT TO BE USED FOR
CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS\$
FAA AIP 3-23-0003-XXX-2021



PROJ. MANAGER: T. LESIEGE
DESIGN-DETAILED: M. O'BRIEN
CHECKED-REVIEWED: R. LUCHINI
DESIGN-DETAILED: R. LUCHINI
REVISIONS 1:
REVISIONS 2:
REVISIONS 3:
REVISIONS 4:
FIELD CHANGES:

DATE	BY	DESCRIPTION
04-12-2021	MATTHEW T. O'BRIEN	SIGNATURE
		12842
		P.E. NUMBER
		DATE

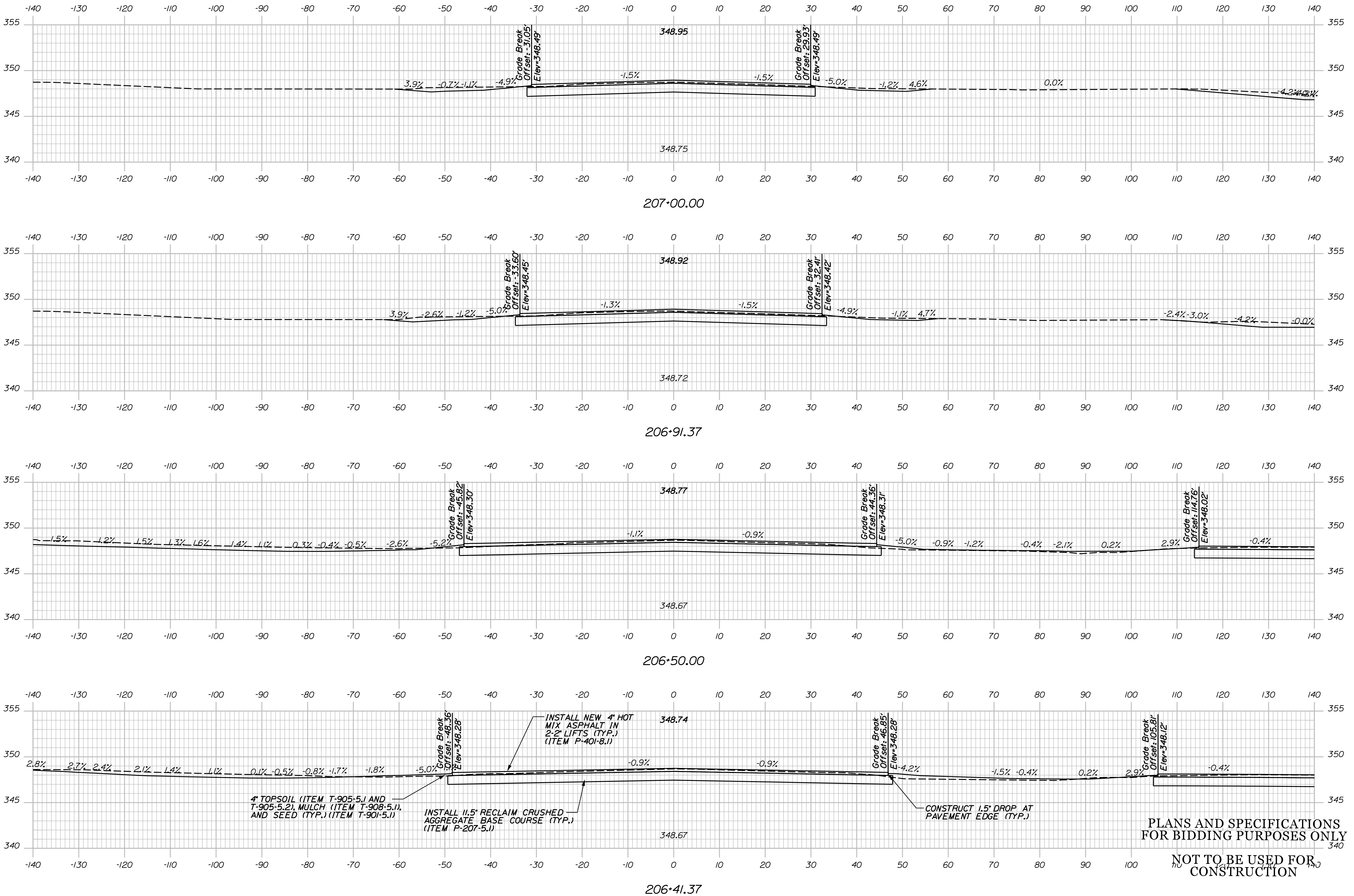
AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA
KENNEBEC COUNTY
TAXIWAY E CROSS SECTIONS

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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



4" TOPSOIL (ITEM T-905-5.1 AND T-905-5.2), MULCH (ITEM T-908-5.1), AND SEED (TYP.) (ITEM T-901-5.1)

INSTALL 11.5' RECLAIM CRUSHED AGGREGATE BASE COURSE (TYP.) (ITEM P-207-5.1)

INSTALL NEW 4" HOT MIX ASPHALT IN 2-2 LIFTS (TYP.) (ITEM P-401-8.1)

CONSTRUCT 1.5' DROP AT PAVEMENT EDGE (TYP.)

PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINNUMBERS
FAA A.I.P. 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGNS-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
T. LESBIE			M. O'BRIEN		R. LUCHINI					

AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA
KENNEBEC COUNTY
TAXIWAY E CROSS SECTIONS

SHEET NUMBER

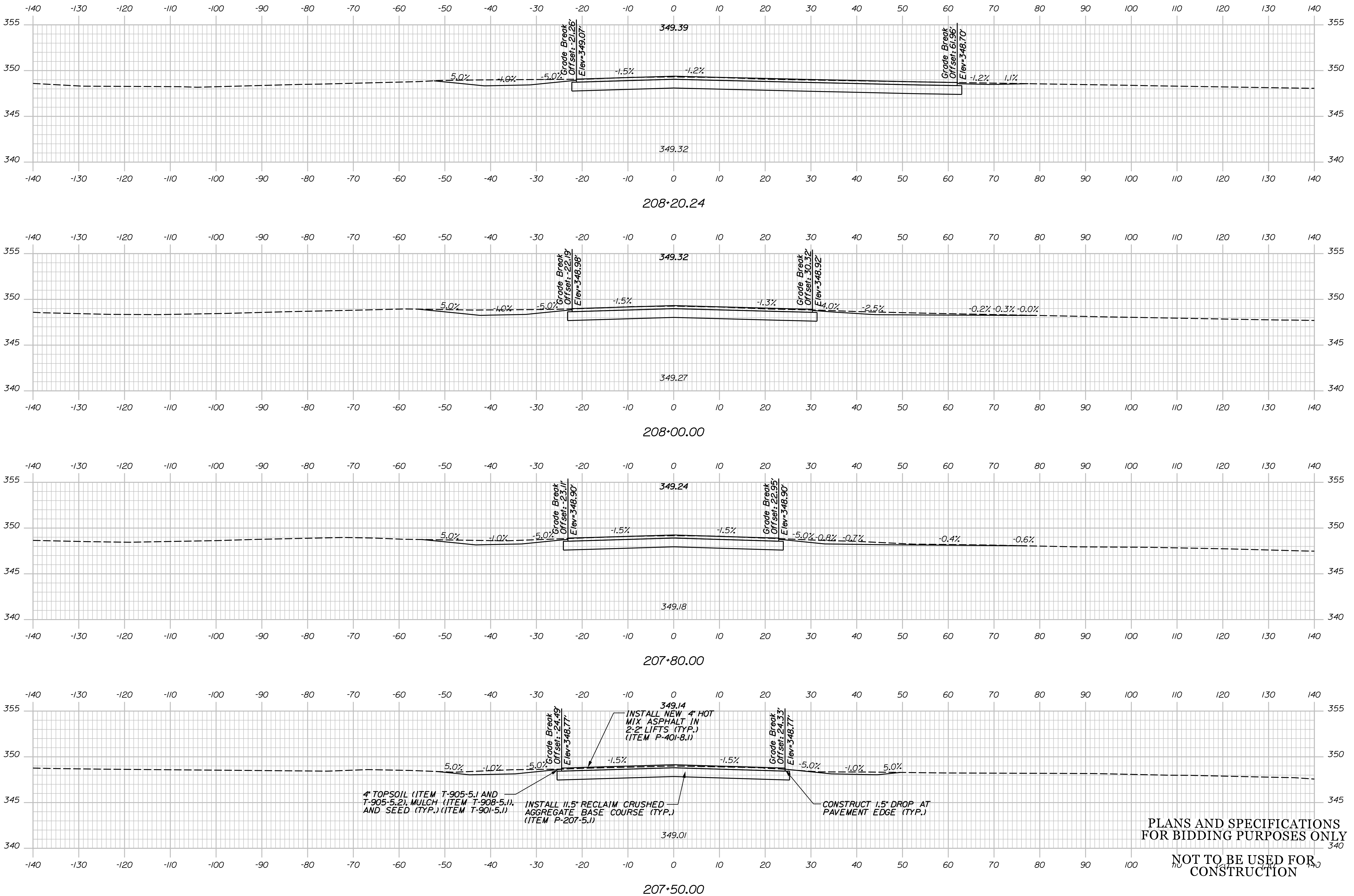
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Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS
FOR BIDDING PURPOSES ONLY
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CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
FAA AIP: 3-23-0003-XXX-2021
WIN \$PINUMBER\$
FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
SIGNATURE
12842
P.E. NUMBER
04-12-2021
DATE

PROJ. MANAGER	DATE	BY	REVISIONS
T. LESIEGE			
M. O'BRIEN			
R. LUCHINI			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

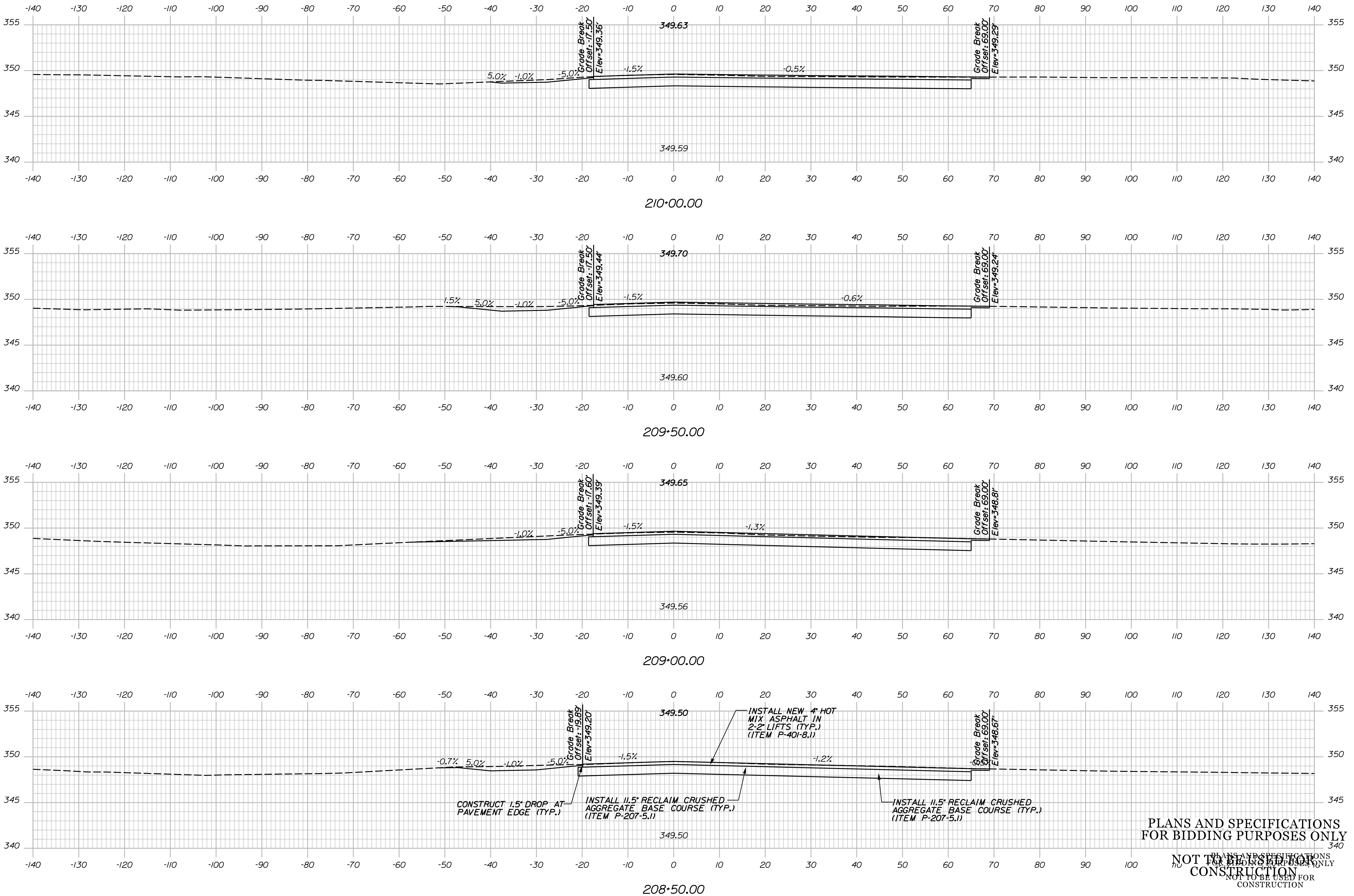
AUGUSTA STATE AIRPORT
BID DOCUMENTS
AUGUSTA
KENNEBEC COUNTY
TAXIWAY E CROSS SECTIONS

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Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



CONSTRUCT 1.5" DROP AT PAVEMENT EDGE (TYP.)

INSTALL 11.5" RECLAIM CRUSHED AGGREGATE BASE COURSE (TYP.) (ITEM P-207-5.1)

INSTALL NEW 4" HOT MIX ASPHALT IN 2-2" LIFTS (TYP.) (ITEM P-401-8.1)

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PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINUMBER\$
 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
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 DATE

PROJ. MANAGER	DATE	BY	LEISURE
T. LESIEUR			
CHECKED/REVIEWED			
DESIGNED/DETAILED			
REVISIONS 1			
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REVISIONS 4			
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AUGUSTA STATE AIRPORT
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 KENNEBEC COUNTY
 TAXIWAY E CROSS SECTIONS

SHEET NUMBER

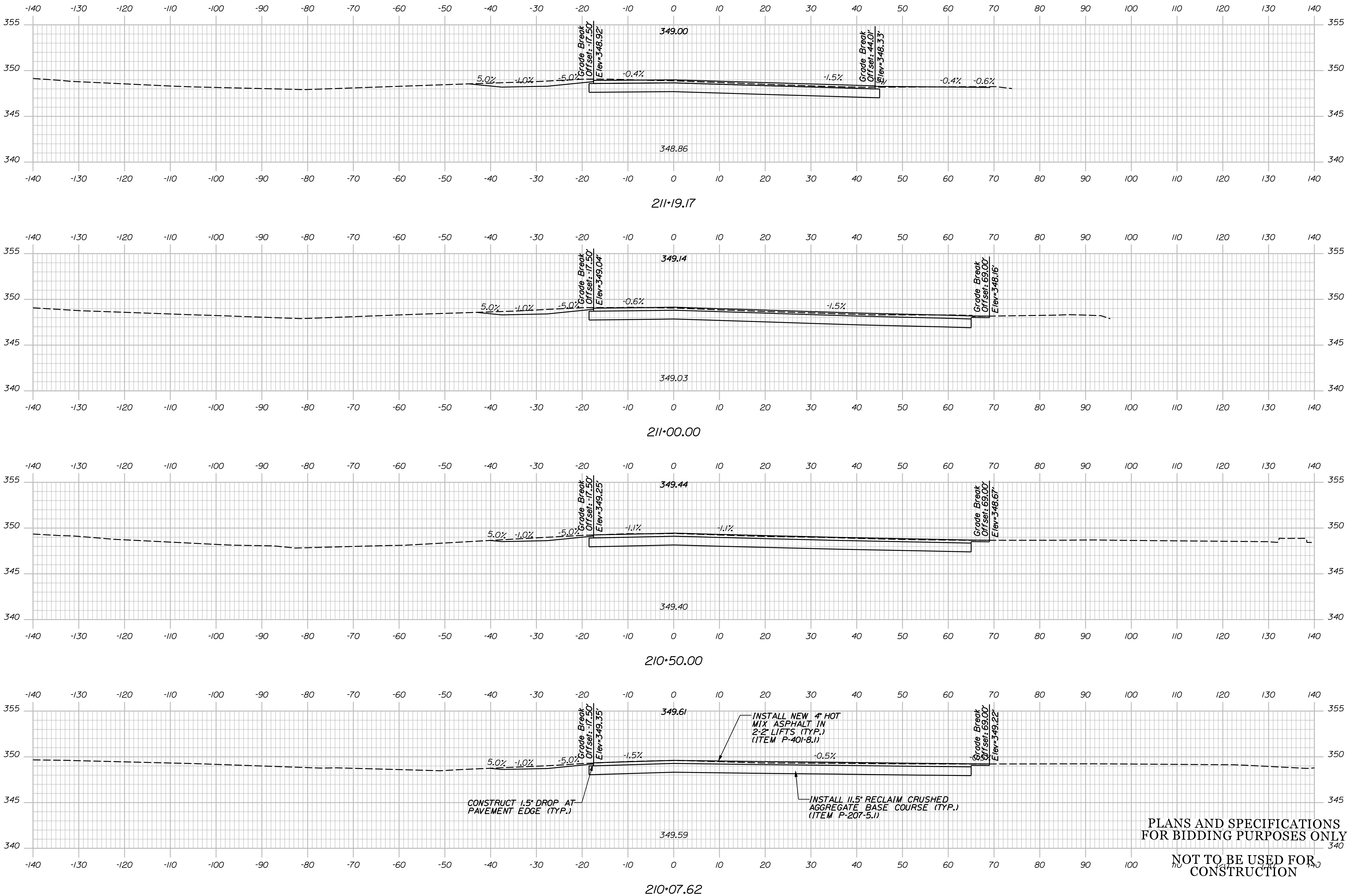
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
 WIN \$PINNUMBERS
 FAA A.I.P 3-23-0003-XXX-2021



MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY
T. LESIEGE		
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGNS-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 KENNEBEC COUNTY
 AUGUSTA
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SHEET NUMBER

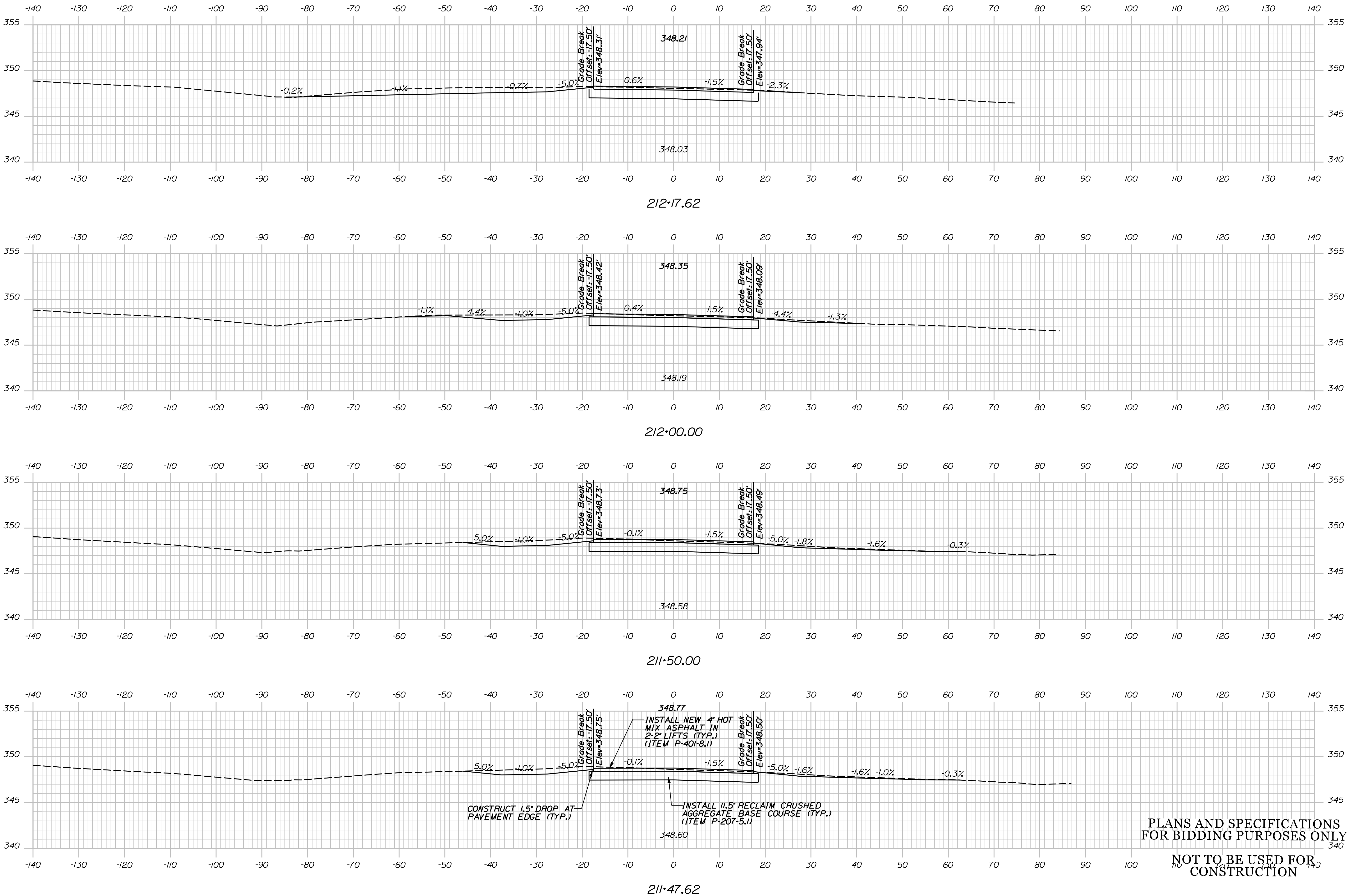
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OF 62

Date: 4/12/2021

Username: rluchini

Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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STATE OF MAINE
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 FAA AIP: 3-23-0003-XXX-2021
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MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
 04-12-2021
 DATE

PROJ. MANAGER	DATE	BY	LEBIEGE
T. LESBIEGE			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
 BID DOCUMENTS
 AUGUSTA
 KENNEBEC COUNTY
 TAXIWAY E CROSS SECTIONS

SHEET NUMBER

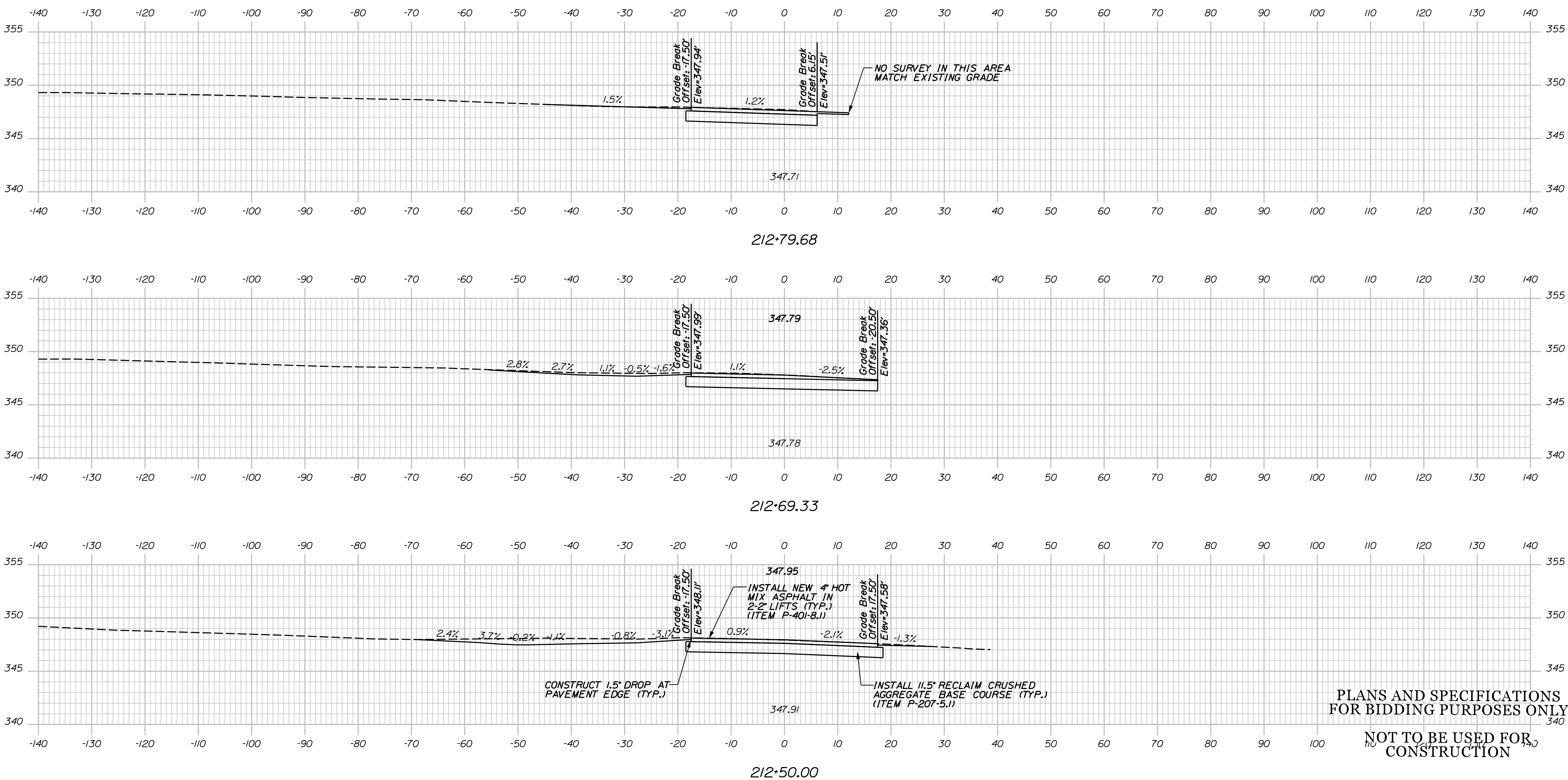
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Date: 4/12/2021

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Filename: ... \Corridor and Cross Sections_R3.dgn Division:



PLANS AND SPECIFICATIONS FOR BIDDING PURPOSES ONLY

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 DEPARTMENT OF TRANSPORTATION
 FAA AIP: 3-23-0003-XXX-2021
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MATTHEW T. O'BRIEN
 SIGNATURE
 12842
 P.E. NUMBER
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 DATE

PROJ. MANAGER	DATE	BY	LEBIEGE
T. LESIEGE			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA STATE AIRPORT
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