

AUGUSTA REGIONAL AIRPORT

HANGAR N1 RAMP & TAXILANE

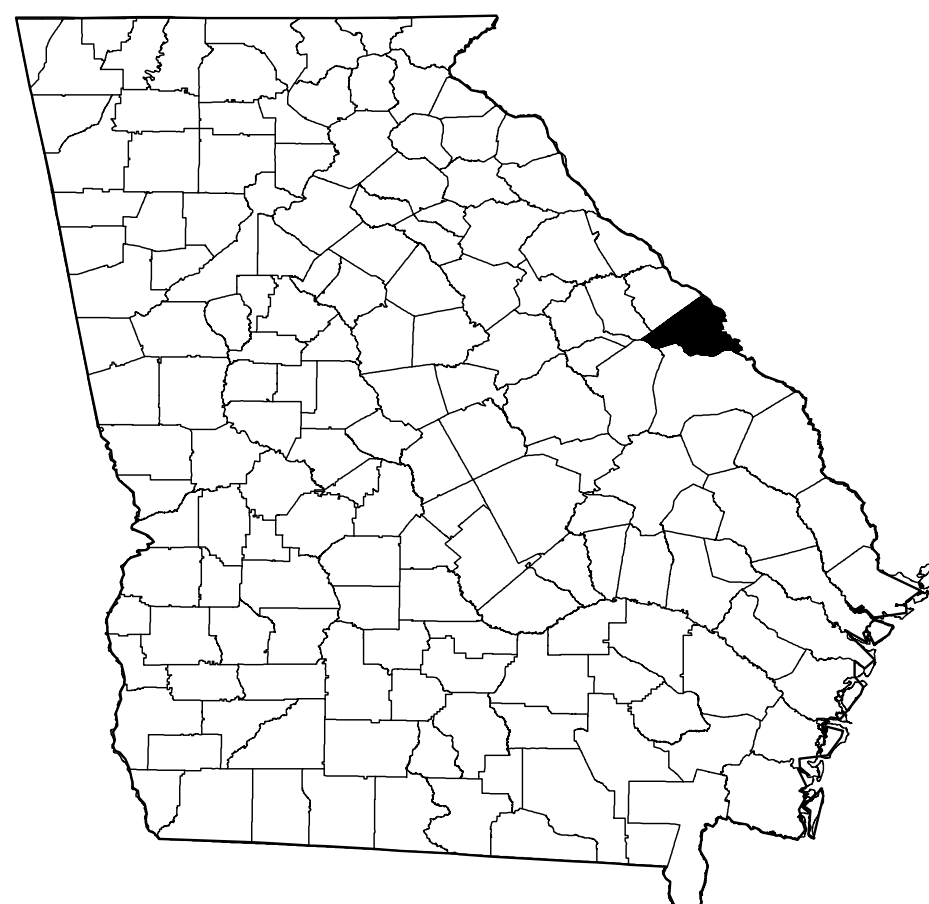
1501 AVIATION WAY

AUGUSTA, GA 30906-9620

0119700-202061.01

DECEMBER 3, 2021

ISSUED FOR BID



RICHMOND COUNTY



VICINITY MAP



LOCATION MAP

**Mead
& Hunt**

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
COVER SHEET

SHEET NO.

G-001



X:\0119700\0202061_01\TECH\CAD\DRAWINGS\G-002 SHEET INDEX.DWG
12/13/2021 3:57:47 PM

Sheet List Table	
Sheet Number	Sheet Title
G-001	COVER SHEET
G-002	SHEET INDEX
G-003	LEGEND & ABBREVIATIONS
G-021	PROJECT LAYOUT PLAN
G-031	EXISTING CONDITIONS
G-041	SURVEY CONTROL PLAN
G-061	PROJECT QUANTITY TABLE
G-071	CONSTRUCTION SAFETY & PHASING NOTES
G-072	CONSTRUCTION SAFETY & PHASING NOTES
G-081	CONSTRUCTION SAFETY & PHASING PLAN OVERALL
G-082	CONSTRUCTION SAFETY & PHASING PLAN WA MATRIX
G-083	CONSTRUCTION SAFETY & PHASING PLAN WA 1
G-084	CONSTRUCTION SAFETY & PHASING PLAN WA 2
B-051	BORING PLAN
B-052	BORING LOGS
B-053	BORING LOGS
C-021	ESPC NOTES
C-022	ESPC NOTES
C-023	EXISTING DRAINAGE BASIN
C-024	PROPOSED DRAINAGE BASIN
C-025	INITIAL EROSION CONTROL PLAN
C-026	INTERMEDIATE EROSION CONTROL PLAN
C-027	FINAL EROSION CONTROL PLAN
C-031	ESPC DETAILS
C-032	ESPC DETAILS
C-051	DEMOLITION PLANS
C-061	TYPICAL DEMOLITION SECTIONS
C-081	PROJECT GEOMETRICS
C-101	GRADING PLAN
C-201	PLAN & PROFILE
C-301	TYPICAL SECTIONS
C-321	JOINTING PLAN
C-322	TAXILANE SPOT ELEVATIONS
C-323	APRON SPOT ELEVATIONS
C-341	PAVING DETAILS
C-441	STORM PLAN
C-451	STORM PROFILE PLAN & STORM DETAILS
C-651	MARKING PLAN
C-671	MARKING DETAILS
C-901	CROSS SECTIONS 14+25 - 17+00
C-902	CROSS SECTIONS 17+00 - 19+75
E-001	ELECTRICAL DEMOLITION PLAN
E-201	ELECTRICAL LAYOUT PLAN
E-601	ELECTRICAL DETAILS
E-602	ELECTRICAL DETAILS
E-603	ELECTRICAL DETAILS
E-604	ELECTRICAL DETAILS

Mead & Hunt

Mead and Hunt, Inc.

5955 Core Road, Suite 515

North Charleston, SC 29406

phone: 843-486-8330

meadhunt.com

Augusta

Regional Airport



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
SHEET INDEX

SHEET NO.

G-002

LEGEND AND ABBREVIATIONS

LEGEND:

	ANTENNA
	BENCHMARK
	BOLLARD
	CONTROL POINT
	CHISELED X
	CLEANOUT, SANITARY OR STORM
	DOWNSPOUT
	ELECTRICAL METER
	ELECTRICAL / COMMUNICATIONS PEDESTAL
	ELECTRICAL TRANSFORMER BOX
	ELECTRICAL SERVICE PANEL
	ELECTRICAL HANDHOLE/PULLBOX
	FIRE HYDRANT
	FLAGPOLE
	GAS METER
	GAS VALVE
	GATE
	GUY WIRE
	HANDHOLE, GENERIC
	INLET, CURB
	INLET, ROUND
	INLET, SQUARE
	IRON PIN
	LIGHT POLE (SINGLE)
	LIGHT POLE (DOUBLE)
	MAILBOX
	MANHOLE, ELECTRIC
	MANHOLE, FIBER OPTIC
	MANHOLE, SANITARY SEWER
	MANHOLE, STORM SEWER
	MANHOLE, TELECOMMUNICATIONS
	MANHOLE, VALVE
	MARKER, CABLE
	MARKER, DUCT
	PK or MAG NAIL
	POWER POLE
	POWER POLE, DOUBLE
	POWER POLE WITH LIGHT
	PVC PIPE
	REBAR
	SANITARY VALVE
	SATELLITE DISH
	SEPTIC TANK VENT
	SIGN (SINGLE POST)
	SIGN (DOUBLE POST)
	SOIL BORING
	SHRUB
	STORM FLARED END SECTION
	STUMP
	TREE, DECIDUOUS
	TREE, CONIFEROUS
	CTV PEDESTAL BOX
	WATER CURB STOP
	WATER VALVE
	WATER SHUT OFF
	WATER METER

	WATER SURFACE
	WELL
	GAS
	ELECTRIC, OVERHEAD
	ELECTRIC, UNDERGROUND
	EXISTING CONTOUR LINES
	FENCE
	FIBER OPTIC CABLE
	HANDRAIL
	PROPERTY LINE
	SANITARY SEWER
	STONE RETAINING WALL
	STORM SEWER / CULVERT
	SWALE
	TELEPHONE
	TV CABLE
	WATER
	WETLAND BOUNDARY
	VEGETATION
	RIPRAP
	STANDING WATER
	WETLAND
	EXISTING CONCRETE RUNWAY/TAXIWAY
	PROPOSED ELEVATION
	EXISTING ELEVATION
	PROPOSED ASPHALT PAVEMENT
	PROPOSED ASPHALT SHOULDER SLURRY SEAL
	ASPHALT PAVEMENT MILLING
	EXISTING TAXIWAY EDGE LIGHT
	EXISTING RUNWAY EDGE LIGHT
	ABANDONED RUNWAY EDGE LIGHT CAN WITH BLANK PLATE
	EXISTING JUNCTION CAN
	EXISTING GUIDANCE SIGN
	EXISTING WIRE AND CONDUIT TO REMAIN
	EXISTING DUCT BANK
	EXISTING RUNWAY/TAXIWAY LIGHT TO BE REMOVED
	EXISTING TAXIWAY EDGE LIGHT/GUIDANCE SIGN TO BE RELOCATED
	RUNWAY/TAXIWAY MARKING REMOVAL
	DIRECT-BURIED CABLE TO BE ABANDONED IN-PLACE
	ELECTRICAL FIXTURE TAG
	NEW DIRECTIONAL BORED DUCT
	NEW ELECTRICAL PULLBOX
	NEW TAXIWAY EDGE LIGHT
	NEW RUNWAY EDGE LIGHT
	NEW GUIDANCE SIGN
	NEW 5kV WIRE, L-824C IN NEW 2" SCH 40 PVC CONDUIT (SLASH INIDCATES NUMBER OF CABLES)
	NEW DUCT BANK FOR RELOCATED TAXIWAY EDGE LIGHTS
	NEW L-867 J-CAN WITH 3/8" BLANK COVER (LA) INDICATES IN-LINE LIGHTNING ARRESTOR
	NEW COUNTERPOISE AND GROUNDING RODS

ABBREVIATIONS:

A	ABANDON
AB	AGGREGATE BASE
A/C	AIRCRAFT
ABAND	ABANDON
AC	ASPHALT CONCRETE
ALCMS	AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM
ALT	ALTERNATE
AMSL	ABOVE MEAN SEA LEVEL
AOA	AIRCRAFT OPERATIONS AREA
APCH	APPROACH
APPROX	APPROXIMATE
ASB	AGGREGATE SUB-BASE
AR	ACCESS ROAD
ARFF	AIRCRAFT RESCUE AND FIRE FIGHTING
ATCT	AIR TRAFFIC CONTROL TOWER
AWG	AMERICAN WIRE GAUGE
BC	BEGINNING OF CURVE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BVC	BEGINNING OF VERTICAL CURVE
CA TEAM	CONSTRUCTION ADMINISTRATION TEAM
C-C	CENTER TO CENTER
CB	CATCH BASIN
CIPCP	CAST IN-PLACE CONCRETE PIPE
CJ	CONSTRUCTION JOINT
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE
CLF	CHAINLINK FENCE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CE	CONCRETE ENCASED
CONT	CONTINUOUS
CP	CONTROL POINT
CTB	CEMENT TREATED BASE
CKT	CIRCUIT
CSPP	CONSTRUCTION SAFETY PHASING PLAN
DB	DIRECT BURIAL
DEG	DEGREE
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DP	DEPTH
(E)	EXISTING
E	ELECTRICAL LINE
EC	END OF CURVE
EG	EXISTING GRADE
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EQ	EQUAL
EVC	END OF VERTICAL CURVE
ETR	EXISTING TO REMAIN
FAA	FEDERAL AVIATION ADMINISTRATION
FBO	FIXED BASE OPERATOR
FES	FLARED END SECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FOD	FOREIGN OBJECT DEBRIS
FPS	FEET PER SECOND

FT	FEET
G	GAS LINE
GAL	GALLON
GALV	GALVANIZED
GA MUTCD	GEORGIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
GB	GRADE BREAK
GND	GROUND
GPM	GALLONS PER MINUTE
GPSP	GENERAL PERRY SMITH PARKWAY
GS	GLIDE SLOPE
HH	HANDHOLE
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HIRL	HIGH INTENSITY RUNWAY LIGHT
HIR:THL	HIGH INTENSITY THRESHOLD LIGHT
HORIZ	HORIZONTAL
HMA	HOT MIX ASPHALT
HP	HIGH POINT
HW	HEADWALL
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
IE	INVERT ELEVATION
IFR	INSTRUMENT FLIGHT RULES
ILS	INSTRUMENT LANDING SYSTEM
IN	INCHES
IP	IN-PAVEMENT
L	LENGTH
LBS	POUNDS
LF	LINEAL FEET
LOC	LOCALIZER
LWL	LOW WATER LEVEL
MH	MANHOLE
MALS	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM
MALSF	MALS W/ SEQUENCED FLASHERS
MALSR	MALS W/ RUNWAY ALIGNMENT INDICATOR LIGHTS
MAX	MAXIMUM
ME	MATCH EXISTING
MID	MID POINT
MIN	MINIMUM
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MITL	MEDIUM INTENSITY TAXIWAY LIGHT
MPH	MILES PER HOUR
N	NO
(N)	NEW
NIC	NOT IN CONTRACT
NO. OR #	NUMBER
NOTAM	NOTICE TO AIRMAN
NTS	NOT TO SCALE
OFF	OFFSET
OFZ	OBJECT FREE ZONE
O/S	OFFSET
OC	ON CENTER
OH	OVERHEAD
OWS	OIL WATER SEPARATOR
PAPI	PRECISION APPROACH PATH INDICATOR
PR	PAIR
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PI	POINT OF INTERSECTION
POB	POINT OF BEGINNING
POC	POINT OF CURVE
POE	POINT OF ENDING

PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
Q	RATE OF FLOW
QTY	QUANTITY
R	RADIUS
(R)	REMOVE
R&R	REMOVE AND REPLACE
RC	RELATIVE COMPACTION
REL	RELOCATE EXISTING
RCP	REINFORCED CONCRETE PIPE
REQ	REQUIRED
ROFA	RUNWAY OBJECT FREE AREA
ROW	RIGHT OF WAY
RGL	RUNWAY GUARD LIGHT
RSA	RUNWAY SAFETY AREA
RWA	RUNWAY WORK RESTRICTED AREA
RWAPP	RUNWAY APPROACH LIGHT
RWY OR RW	RUNWAY
S	SANITARY LINE
SF	SQUARE FOOT
SG	STRAIGHT GRADE
SH	SHOULDER
SIDA	SECURITY IDENTIFICATION DISPLAY AREA
SMGS	SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM
SPCD	SAFETY PLAN COMPLIANCE DOCUMENT
SS	STAINLESS STEEL
ST	STORM LINE
STA	STATION
STD	STANDARD
STL	STEEL
T	TELEPHONE LINE
TC	TOP OF CURB
TG	TOP OF GRATE
T/L	TAXILINE
TOE	TOE OF BANK
TOP	TOP OF BANK
TDZ	TOUCHDOWN ZONE
TWY	TAXIWAY
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TYP	TYPICAL
UD	UNDERDRAIN
OFA	OBJECT FREE AREA
UFN	UNTIL FURTHER NOTICE
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VELOCITY
VC	VERTICAL CURVE
VERT	VERTICAL
VFR	VISUAL FLIGHT RULES
VG	VALLEY GUTTER
VIF	VERIFY IN FIELD
VASI	VISUAL APPROACH SLOPE INDICATOR
W	WATER LINE
WA	WORK AREA
W/	WITH
W/O	WITHOUT
WSE	WATER SURFACE ELEVATION
WSP	WELDED STEEL PIPE
WV	WATER VALVE
WWM	WELDED WIRE MESH

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
LEGEND &
ABBREVIATIONS

SHEET NO.

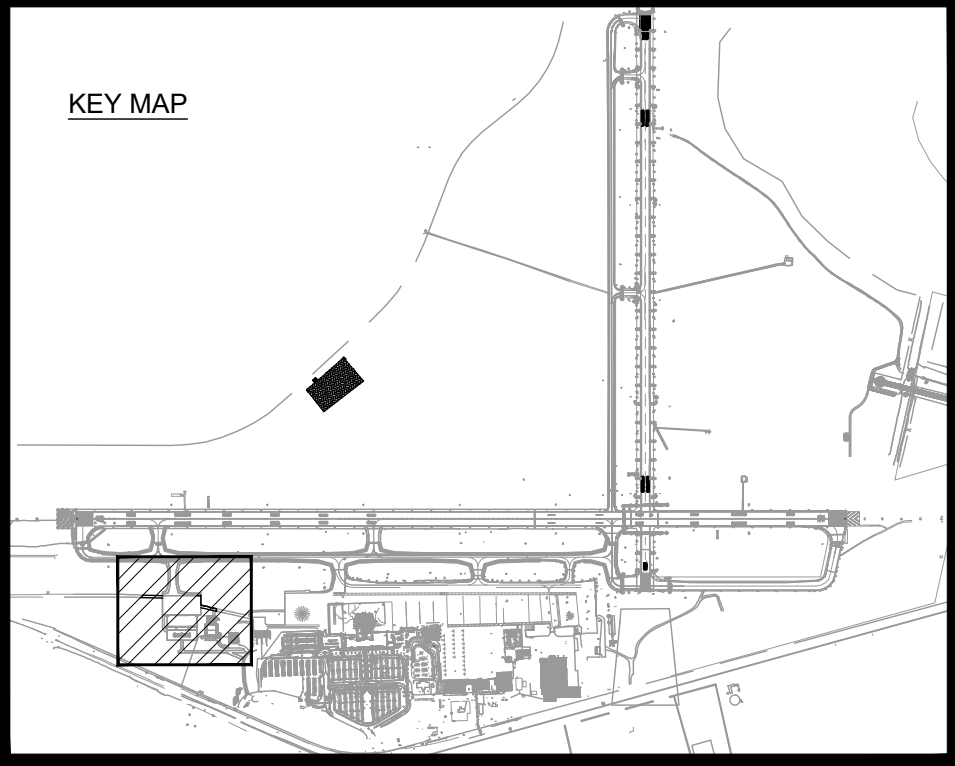
G-003

BID SCHEDULE LEGEND



BASE BID
THE BASE BID SHALL CONSIST OF THE CONSTRUCTION OF A NEW CONCRETE TAXILANE AND AIRCRAFT PARKING RAMP TO SERVE PROPOSED HANGAR N1 INCLUDING BUT NOT LIMITED TO STORM DRAINAGE IMPROVEMENTS, NEW EDGE LIGHTING, NEW GUIDANCE SIGNS, NEW PAVEMENT MARKINGS, AND ALL OTHER RELATED WORK. ALL MOBILIZATION AND OTHER PROJECT RELATED COSTS SHALL BE INCLUDED IN THE BASE BID. NO WORK RELATED TO THE CONSTRUCTION OF HANGAR N1 IS INCLUDED IN THE PROJECT SCOPE

KEY MAP



Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

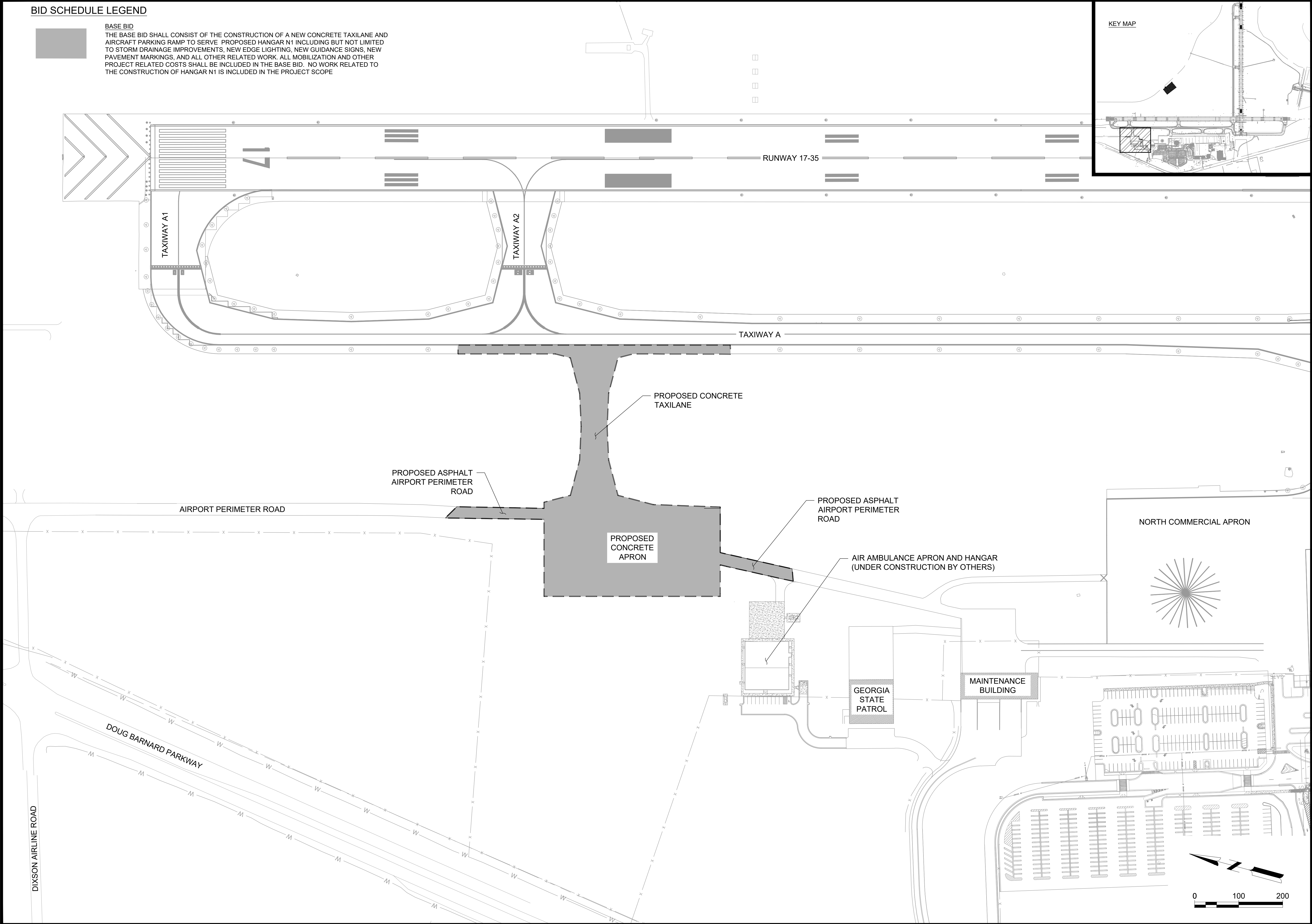
NOT FOR CONSTRUCTION

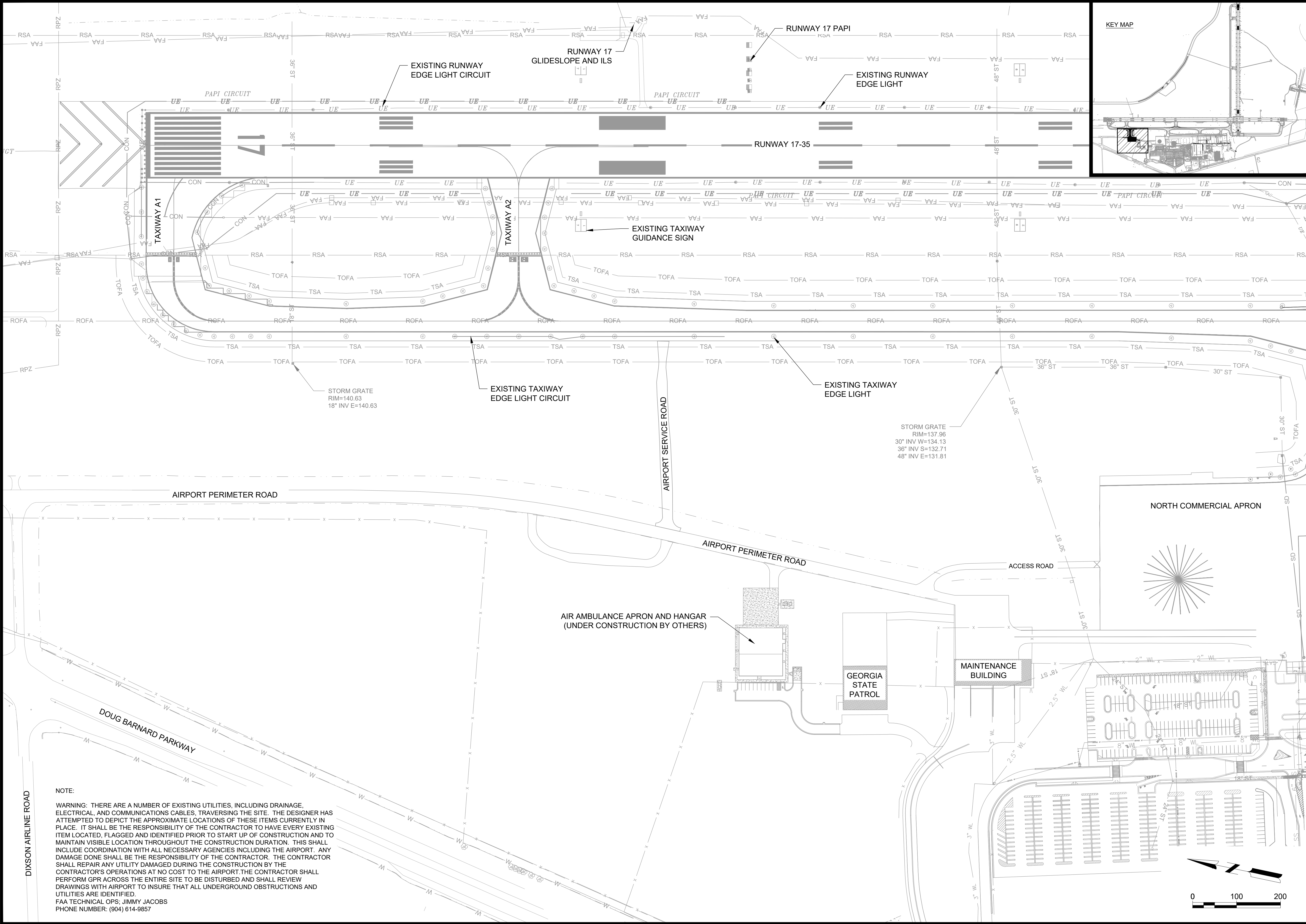
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
PROJECT LAYOUT
PLAN

SHEET NO.

G-021





NOTE:

WARNING: THERE ARE A NUMBER OF EXISTING UTILITIES, INCLUDING DRAINAGE, ELECTRICAL, AND COMMUNICATIONS CABLES, TRAVERSING THE SITE. THE DESIGNER HAS ATTEMPTED TO DEPICT THE APPROXIMATE LOCATIONS OF THESE ITEMS CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY EXISTING ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO START UP OF CONSTRUCTION AND TO MAINTAIN VISIBLE LOCATION THROUGHOUT THE CONSTRUCTION DURATION. THIS SHALL INCLUDE COORDINATION WITH ALL NECESSARY AGENCIES INCLUDING THE AIRPORT. ANY DAMAGE DONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY UTILITY DAMAGED DURING THE CONSTRUCTION BY THE CONTRACTOR'S OPERATIONS AT NO COST TO THE AIRPORT. THE CONTRACTOR SHALL PERFORM GPR ACROSS THE ENTIRE SITE TO BE DISTURBED AND SHALL REVIEW DRAWINGS WITH AIRPORT TO INSURE THAT ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES ARE IDENTIFIED.

FAA TECHNICAL OPS: JIMMY JACOBS
PHONE NUMBER: (904) 614-9857

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
EXISTING
CONDITIONS

SHEET NO.

G-031

LEGEND:

- CONTROL POINT
- BENCHMARK
- IRON PIN
- PK or MAG NAIL
- REBAR
- SECTION
- SECTION QUARTER CORNER
- SECTION CORNER HALF
- PROPERTY LINE
- RIGHT OF WAY

SURVEY DATA:

- SURVEY DATE(S)

12/19/2017
- SURVEY DATE(S)

2/12/2018
- SURVEY DATE(S)

10/15/2020
- COORDINATE SYSTEM

USGS NAD 83
- VERTICAL DATUM

USGS NAVD 88
- CONTROL SOURCE

SEE TABLE
- SURVEY UNITS

US SURVEY FOOT

PRIMARY SURVEY CONTROL TABLE

POINT	LOCAL PROJECTION		NAVD88 ELEVATION	DESCRIPTION
	NORTHING	EASTING		
500	1225860.1725	717712.0717	134.352	SACS (FAA AGS ARP 2)
501	1222563.6266	717591.4629	134.256	RUNWAY 35 END COORDINATE
502	1230392.1048	715942.1833	145.354	RUNWAY 17 END COORDINATE
40000	1229066.3374	715601.7127	147.122	MAG NAIL

ALIGNMENT LINE DATA

LINE #	LENGTH	BEARING
C2	63.71	S32° 57' 20.08"W
C3	41.15	S39° 29' 51.66"W
L5	258.96	S10° 58' 46.55"E
L6	346.15	S12° 11' 50.35"E
L7	36.57	S78° 06' 30.52"W
L8	205.01	S0° 53' 12.81"W

ALIGNMENT LINE DATA

LINE #	LENGTH	BEARING
L3	600.00	S78° 06' 14.51"W

SITE SURVEY PLAN NOTES:

1. PRIVATE SUBSURFACE UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON GROUND MARKINGS PLACED BY CLIENT REPRESENTATIVE. MARKINGS MAY NOT BE BY BENEFIT OF SUBSURFACE DETECTING INSTRUMENTS AS SOME WERE MARKED PER PERSONNEL BEST RECOLLECTION.
2. PUBLIC SUBSURFACE UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON GROUND MARKINGS PLACED BY GEORGIA 811. GEORGIA 811 DOES NOT GUARANTEE THE PRECISION OF THEIR MARKINGS. IN ACCORDANCE WITH GEORGIA LAW, SUBSURFACE UTILITIES MUST BE EXPOSED VIA HAND DIGGING BEFORE MACHINE DIGGING IS PERMISSABLE. UTILITY LOCATION MARKINGS ARE VALID FOR ONLY 10 DAYS. CONTRACTOR MUST ORDER NEW UTILITY LOCATE PRIOR TO ANY EXCAVATION.
3. SANITARY SEWER AND STORM SEWER LOCATIONS HAVE BEEN DETERMINED BY OBSERVABLE SURFACE STRUCTURES AND RESPECTIVE FEATURES. INTERMEDIATE PIPE LOCATIONS ARE APPROXIMATE AS ACCURATE LOCATIONS WERE NOT AVAILABLE AT TIME OF SURVEY.
4. CONTROL POINTS AND BENCHMARKS SHOWN HEREON ARE FOR REFERENCE PURPOSES ONLY. PRIOR TO STAKING, THE CONTROL MUST BE INDEPENDENTLY VERIFIED AS UNDISTURBED. NO WARRANTY IS MADE WITH RESPECT TO THE ACCURACY OF CONTROL SHOWN HEREON AS THEY ARE SUBJECT TO POTENTIAL DISTURBANCE.

Mead
& Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
SURVEY CONTROL
PLAN

SHEET NO.

G-041

X:\0119700\202061_01\TECH\CAD\DRAWINGS\G-061 PROJECT QUANTITY TABLE.DWG
12/13/2021 3:59:09 PM

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
AGS HANGAR N1'S RAMP & TAXILANE			
C-100.1	Contractor Quality Control Program	LS	1
C-102.1a	Installation and Removal of Silt Fence or Silt Sock	LF	2894
C-102.1b	Installation and Remove of Check Dam Hay Bale	EA	45
C-102.1c	Construct, Maintain, and Remove Construction Exit	EA	1
C-102.1d	Rip Rap with Filter Fabric	SY	8
C-102.1e	Construct, Maintain, and Remove Filter Ring	EA	1
C-102.1f	Erosion Control Mobilization	LS	1
C-102.1g	Emergency Erosion Control Mobilization	LS	1
C-105.1	Mobilization, Cleanup, and Demobilization	LS	1
C-105.2	Airfield Safety and Traffic Control	LS	1
P-101.1	Asphalt Concrete Pavement Removal, Taxiway, Full Depth, Off Site	SY	1363
P-101.2	Asphalt Concrete Pavement Removal, Perimeter Road Full Depth, Off Site	SY	1142
P-152.1	Unclassified Excavation, Remove Off-Site	CY	24205
P-152.2	Subgrade Preparation (Project lim)	SY	15077
P-152.3	Unsuitable/Over excavation	CY	1030
P-154.1	Aggregate Base Course	CY	2874
P-304.1	Cement Treated Base Course (8")	SY	15191
400-1	4" GDOT 12.5mm Superpave	TON	257
412-1	Bituminous Prime Coat	GAL	228
413-1	Bituminous Tack Coat	GAK	57
P-501.1	Portland Cement Concrete Pavement (10")	SY	14183
X-501.1	Portland Cement Concrete Curing Facility	LS	1
P-602.1	Emulsified Asphalt Prime Coat	Gal	228
P-605.1	Joint Sealing Filler	LF	19760
P-620.1	Temporary Pavement Markings	SF	7129
P-620.2	Permanent Pavement Markings	SF	7129
P-620.4	Reflective Media	LB	302
D-701.1	14" X 23" Elliptical RCP Class IV Pipe	LF	447
D-752.1	14" X 23" Elliptical Flared End Section	EA	4
T-901.1	Temporary Seeding	AC	4
T-901.2	Permanent Seeding	AC	3
T-901.3	Seeding, Staging Area	AC	1
T-904.1	Sodding	SY	6901
T-905.1	Topsoiling (Obtain on Site or Removed from Stockpile)	CY	2121
T-905.2	Topsoiling, Staging Area	CY	2762
L-108.1	#8 AWG, 5kV Power Cable	LF	1198
L-108.2	Counterpoise Wire w/ Grounding Rods	LF	1198
L-108.3	Temporary #8 AWG, 5kV Jumper Cable	LF	979
L-110.1	2-Way, 2-Inch PVC, Concrete Encased Type II Electrical Duct Bank	LF	193
L-110.2	Electrical Conduit, 1W-2" PVC, Type II, Non-encased, Installed in Soil	LF	982
L-115.1	Precast Electrical Handhole w/ Spring Assisted Cover	EA	2
L125.1	Taxiway Edge Light Removal	EA	7
L125.2	L861T MITL LED. Elevated Taxiway Fixture	EA	12
L-125.3	Taxiway Guidance Sign, 2 Module, Size 2, Style 3, Mode 2	EA	2
L-125.4	Taxiway Guidance Sign, 4 Module, Size 2, Style 3, Mode 2	EA	1
L-125.5	Taxiway Retroreflective Marker	EA	16

NOTE: SUMMARY OF QUANTITIES TABLE IS DESIGNED TO BE USED AS A REFERENCE IN THE FIELD. VALUES OUTLINED IN THE BID FORM TAKE SUPERIORITY OVER ANY VALUES SHOWN IN THE QUANTITY TABLE.

Mead & Hunt

Mead and Hunt, Inc.

5955 Core Road, Suite 515

North Charleston, SC 29406

phone: 843-486-8330

meadhunt.com

Augusta

Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT

HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY

AUGUSTA, GA 30906-9620

ISSUED

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020

MSH NO.: 0119700-202061.01

DATE: DECEMBER 6, 2021

DESIGNED BY: NJH

DRAWN BY: NJH

CHECKED BY: DES

DO NOT SCALE DRAWINGS

SHEET CONTENTS

PROJECT QUANTITY

TABLE

G-061

X:\0119700\202061_01\TECH\CAD\DRAWINGS\G-072 CONSTRUCTION SAFETY & PHASING NOTES.DWG
12/13/2021 3:59:24 PM

A. COORDINATION

1. PRECONSTRUCTION CONFERENCE.

- A. A PRECONSTRUCTION CONFERENCE WILL BE CONVENED AND CONDUCTED BY THE AIRPORT AND CONSTRUCTION ADMINISTRATION TEAM (CA TEAM). THIS CONFERENCE WILL BE USED TO DISCUSS OPERATIONAL SAFETY, TESTING, QUALITY CONTROL, QUALITY ACCEPTANCE, SECURITY, SAFETY, LABOR REQUIREMENTS, ENVIRONMENTAL FACTORS, AND OTHER FACTORS THAT WILL PERTAIN TO THIS CONSTRUCTION PROJECT.
- B. THE PRECONSTRUCTION CONFERENCE WILL BE CONDUCTED AS SOON AS PRACTICABLE AFTER THE CONTRACT HAS BEEN AWARDED AND HELD BEFORE THE NOTICE TO PROCEED IS GIVEN TO THE CONTRACTOR.
- C. PARTICIPANTS IN THE PRECONSTRUCTION CONFERENCE SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, FAA AIR TRAFFIC CONTROL, FAA TECH OPS, AIRPORT MAINTENANCE, FIRE CHIEF, CONTRACTOR, AND SUBCONTRACTORS.
- D. THE INFORMATION COVERED IN THIS MEETING WILL FOLLOW THE GUIDELINES OUTLINED IN AC 150/5300-9B, "PREDESIGN, PREBID, AND PRECONSTRUCTION CONFERENCES FOR AIRPORT GRANT PROJECTS."

2. CONTRACTOR PROGRESS MEETINGS

- A. DURING THE DURATION OF THE PROJECT, WEEKLY CONTRACTOR PROGRESS MEETINGS WILL BE HELD AND CONDUCTED BY THE CONSTRUCTION ADMINISTRATION TEAM.
- B. THE PROGRESS MEETINGS WILL COVER PROJECT SCHEDULE, CONSTRUCTION SAFETY, ISSUES, ETC.

3. FAA AIR TRAFFIC CONTROL ORGANIZATION COORDINATION

- A. COMMUNICATION WITH THE FAA AIR TRAFFIC CONTROL TOWER WILL BE COORDINATED BY THE AIRPORT STAFF, CONSTRUCTION ADMINISTRATION TEAM AND/OR THE AIRPORT OPERATIONS DIVISION.
- B. THE FAA AIR TRAFFIC CONTROL TOWER AND AIRPORT TECH OPS PERSONNEL WILL BE INVITED TO ATTEND THE PRECONSTRUCTION CONFERENCE AT WHICH TIME THE OVERALL CONSTRUCTION SCHEDULE WILL BE PRESENTED.
- C. A MEETING WILL BE SCHEDULED WITH THE FAA AIR TRAFFIC CONTROL PERSONNEL PRIOR TO THE START OF EACH MAJOR CONSTRUCTION PHASE WHICH SIGNIFICANTLY IMPACTS/MODIFIES AIRFIELD CLOSURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT. PARTICIPANTS IN THESE MEETINGS SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, GDOT PROJECT MANAGER, FAA AIR TRAFFIC CONTROL, CONTRACTOR, AND SUBCONTRACTORS.

B. PROTECTION OF NAVIGATION AIDS (NAVAIDS)

THERE ARE NO ABOVE GROUND FAA AND AIRPORT OWNED NAVIGATIONAL AIDS LOCATED WITHIN THE PROJECT LIMITS. CONTRACTOR WILL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EQUIPMENT, INCLUDING, BUT NOT LIMITED TO; COORDINATION WITH FAA TECH OPS PERSONNEL TO IDENTIFY BELOW GROUND CABLEING, AND BARRICADING AROUND EQUIPMENT AS NECESSARY TO MAINTAIN SEPARATION BETWEEN CONTRACTORS' EQUIPMENT AND NAVAID EQUIPMENT. ANY DAMAGE WILL BE REPAIRED OR REPLACED AT CONTRACTORS' EXPENSE TO THE SATISFACTION OF THE OWNER. A NOTAM WILL BE ISSUED TO CLOSE RUNWAYS AFFECTED BY UNANTICIPATED POWER OUTAGES OR DAMAGING OF NAVAIDS, WITH THE CONTRACTOR IMMEDIATELY RESTORING POWER THROUGH COORDINATION OF THE OWNER.

CONTRACTOR ACCESS

C. CONSTRUCTION SITE ACCESS AND HAUL ROAD

1. HAUL ROADS TO BE USED ON THIS PROJECT ARE INDICATED ON THE DRAWINGS OR OTHERWISE SPECIFICALLY AUTHORIZED BY THE CA TEAM AND AIRPORT AUTHORITY. THE CONTRACTOR SHALL CONFINE ALL VEHICLES AND EQUIPMENT TO THE DESIGNATED CONSTRUCTION AREAS, STAGING AREAS AND HAUL ROUTES.
2. ACCESS POINTS TO THE PROJECT SITE ARE SHOWN ON THE DRAWINGS. THE SPECIFIED GATES SHALL BE MONITORED BY A CONTRACTOR SUPPLIED GUARD DURING ALL CONTRACTOR OPERATIONS WHILE THE GATE IS OPEN OR UNLOCKED.
3. THE CONTRACTOR SHALL RESTORE ALL TURFED AND PAVED AREAS USED FOR HAUL ROADS TO THEIR ORIGINAL CONDITION, INCLUDING ESTABLISHMENT OF NEW TURF. ALL COSTS FOR CONSTRUCTING, REMOVING, AND RESTORING OF HAUL ROADS REQUIRED FOR THE COMPLETION OF THE WORK SHALL BE BY THE CONTRACTOR UNDER MOBILIZATION. THE EXISTING CONDITION OF ALL ANTICIPATED HAUL ROUTES SHALL BE DOCUMENTED BY THE CONTRACTOR PRIOR TO HAULING.
4. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE PROJECT SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE PROJECT SITE. CONTRACTOR PROVIDED DIRECTIONAL SIGNAGE AT THE ACCESS GATES AND ALONG THE DELIVERY ROUTE TO THE STAGING AREA AND PROJECT SITE SHALL BE SUBMITTED AND REVIEWED BY THE DESIGNER AND AIRPORT OPERATIONS PRIOR TO INSTALLATION.
5. ALL CONTRACTOR MATERIAL ORDERS FOR DELIVERY TO THE SITE SHALL BE DIRECTED TO THE ACCESS POINT IDENTIFIED OR CONTRACTOR STAGING AREA.
6. THE CONTRACTOR, THROUGH AIRPORT OPERATIONS/SECURITY, SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUB-CONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE PROJECT SITE. VEHICLE USE PERMITS SHALL BE OBTAINED BY THE CONTRACTOR IN ACCORDANCE WITH AIRPORT PROCEDURES.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF OFF-SITE ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE.
8. ALL VEHICLES USING HAUL ROUTES INCLUDING OFF-SITE ROUTES, SHALL BE COVERED TO PREVENT BLOWING AWAY OR SPILLAGE OF LOOSE MATERIAL. ALL SPILLAGES ON PUBLIC ROADWAYS AND SITE ROADS SHALL BE PROMPTLY CLEANED UP AND LEGALLY DISPOSED OF AT NO ADDITIONAL COST TO THE SPONSOR.
9. THE CONTRACTOR WILL NOT BE PERMITTED TO USE ANY ACCESS OR HAUL ROADS OTHER THAN THOSE DESIGNATED ON THE CONTRACT DRAWINGS. EMERGENCY ACCESS BY AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) RIGHT-OF-WAY ON ACCESS ROADS, HAUL ROADS, TAXIWAYS, AND RUNWAYS SHALL NOT BE IMPEDED AT ANY TIME.
10. CONTRACTOR TO PROVIDE HAUL ROUTE WITH TRAFFIC CONTROL PLAN FOR APPROVAL TO AUGUSTA-RICHMOND COUNTY ENGINEER'S OFFICE FOR USE OF PUBLIC ROADS BETWEEN 11PM AND 7 AM A MINIMUM OF 7 DAYS PRIOR TO USE.

D. CONTRACTOR STAGING AREA

1. THE LIMITS OF CONSTRUCTION, CONTRACTOR'S STAGING AREA AND STOCKPILING AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION ARE SHOWN ON THE PLANS. ADDITIONAL AREAS MAY BE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE DESIGNER AND OWNER. THE CONTRACTOR SHALL PROVIDE DEVICES VISIBLE FOR BOTH DAY AND NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
2. CONTRACTOR SHALL UTILIZE THE EXISTING STAGING AREA THAT HAS BEEN ESTABLISHED IN PREVIOUS PROJECTS WHERE INDICATED ON THE PLANS. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND DRAINAGE STRUCTURES FROM ANY DAMAGE CAUSED WHILE THE AREA IS BEING USED AS A CONSTRUCTION STAGING AREA. ALL DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE AIRPORT AUTHORITY AND AT NO ADDITIONAL COST TO THE AIRPORT AUTHORITY. A STAGING AREA LAYOUT PLAN SHALL BE SUBMITTED TO AIRPORT AND THE DESIGNER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE MATERIALS WITHIN 10 FEET OF AOA FENCE AND/OR PERIMETER FENCE.
4. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT THE STAGING AND STOCKPILE AREAS AND PROVIDE TEMPORARY ROUTING OF STORMWATER AROUND THE AREAS.
5. IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE CONTRACTOR STAGING AREA, THE CONTRACTOR SHALL INSTALL TEMPORARY SILT FENCE AROUND THE STAGING AREA AND PROVIDE INLET PROTECTION DEVICES FOR ALL EXISTING DRAINAGE STRUCTURES IN ACCORDANCE WITH THE MANUAL FOR SEDIMENT AND EROSION CONTROL IN GEORGIA (LATEST EDITION) AND GDOT STANDARD DETAILS.
6. ALL EROSION CONTROL MEASURES WITHIN THE CONTRACTOR STAGING AREA SHALL BE INCIDENTAL TO SPECIFICATION ITEM C-102 TEMPORARY EROSION CONTROL.
7. CONTRACTOR SHALL INFORM THE CA TEAM ON A DAILY BASIS OF THE DAILY CONSTRUCTION ACTIVITIES, AS WELL AS, UPCOMING ACTIVITIES WITH THE INTENT TO LIMIT AIRPORT OPERATION CONFLICTS.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SITE, INCLUDING WATER AND ELECTRIC FOR THE BATCH PLANT. ALL COSTS ASSOCIATED WITH TEMPORARY UTILITIES SHALL BE INCIDENTAL TO C-105.
9. ALL STAGING AREAS SHALL BE INSPECTED AND APPROVED BY AIRPORT'S FIRE CHIEF. THE CONTRACTOR SHALL SUPPLY ANY

AND ALL FIRE FIGHTING EQUIPMENT, PROTECTION AND SAFETY EQUIPMENT/SUPPLIES AS REQUESTED BY THE AIRPORT'S FIRE CHIEF WITHIN 24 HOURS AFTER REQUESTED.

ARFF CHIEF - MAIN LINE: (706) 798-3236 DIRECT: (706) 798-2696 CELL: (706) 994-6416

10. CONTRACTOR SHALL SUPPLY COVERED TRASH AND RUBBISH DUMPSTERS AND ALL OTHER CONTAINERS FOR REMOVAL OF TRASH, RUBBISH, AND DEBRIS RESULTING FROM THE WORK OF THE CONTRACT. THE CONTRACTOR SHOULD NOT ALLOW DUMPSTERS TO OVERFLOW.

11. THE CONTRACTOR SHALL COMPLETELY CLEAN UP AND RESTORE THE ENTIRE STAGING AND STORAGE AREAS, AS APPROVED BY THE DESIGNER PRIOR TO FINAL COMPLETION. ALL UNUSED MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE AT THE CONTRACTORS EXPENSE, UNLESS PRIOR APPROVAL HAS BEEN GIVEN FROM THE AIRPORT AND THE STAGING AREA GRADED SMOOTH, SLOPED TO DRAIN AND SEEDED. INCIDENTAL TO M-1 MOBILIZATION AND GENERAL CONDITIONS.

E. CONTRACTOR EMPLOYEE AND EQUIPMENT PARKING

1. ALL VEHICLES SHALL BE PARKED AND SERVICED IN THE DESIGNATED STAGING AND EMPLOYEE PARKING AREAS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING EMPLOYEES FROM THESE AREAS TO THE JOBSITE. ALL SERVICING SHALL BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
2. ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE HEIGHT RESTRICTIONS AS SHOWN ON THE CONSTRUCTION PLAN. ALL EQUIPMENT SHALL BE PARKED OUTSIDE THE ROFA WHEN NOT USED.

F. VEHICLE CONDITION

1. VEHICLES AND EQUIPMENT THAT ARE DEEMED A POTENTIAL HAZARD BY THE CA TEAM OR AIRPORT SHALL BE REMOVED FROM THE JOB SITE AND STAGED PROPERLY AT THE REQUEST OF THE CA TEAM. VEHICLES AND EQUIPMENT THAT LEAK ANY AUTOMOTIVE FLUID INCLUDING, BUT NOT LIMITED TO, OIL, HYDRAULIC FLUID, TRANSMISSION FLUID, GEAR OIL, GASOLINE, AND DIESEL, WILL BE REMOVED TO THE STAGING AREA AND NOT ALLOWED TO OPERATE ON ANY PAVED SURFACE. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ANY LEAKING VEHICLES UNTIL THEY CAN BE REMOVED FROM THE SITE. IF THE VEHICLE CANNOT BE REPAIRED WITHIN A FEW DAYS THE VEHICLE SHALL BE REMOVED FROM THE AIRPORT. LEAKING FLUIDS ON PAVEMENTS DAMAGE THE PAVEMENT.
2. THE CONTRACTOR SHALL CLEANUP, AT CONTRACTOR'S EXPENSE, ANY AND ALL LEAKS OR SPILLS. LEAKS ON PAVED SURFACES SHALL BE CLEANED UP IMMEDIATELY. SIGNIFICANT LEAK SPOTS ON PAVEMENT, AS DETERMINED BY THE CA TEAM, SHALL BE REPLACED WITH NEW PAVEMENT. ASPHALT WILL REQUIRE MILLING AND PLACEMENT OF NEW BITUMINOUS MATERIAL; PCC WILL REQUIRE SAW, REMOVAL AND REPAIR AS DIRECTED BY THE CA TEAM. DIRT OR GRAVEL AREAS WILL REQUIRE REMOVAL, LEGAL DISPOSAL AND REPLACEMENT OF THE AREA WITH SIMILAR APPROVED MATERIALS.

G. LOCATION OF STOCKPILED MATERIALS

1. THERE SHALL NOT BE ANY STOCKPILED MATERIALS IN THE ACTIVE RUNWAY OFA, TAXIWAY OFA, OR NAVAID CRITICAL AREAS. STOCKPILED MATERIAL OR EQUIPMENT SHALL NOT BE STORED NEAR AIRCRAFT TURNING AREAS OR OPERATIONAL MOVEMENT AREAS, APRONS, OR EXCAVATIONS AND TRENCHES. STOCKPILED MATERIALS SHALL NOT BE STORED NEAR NAVAIDS, VISUAL OR APPROACH AIDS, NOR SHALL THEY OBSTRUCT THE ATCT'S LINE OF SIGHT TO ANY RUNWAY OR TAXIWAY. THE CONTRACTOR SHALL ENSURE THAT STOCKPILED MATERIALS DO NOT CAUSE DEGRADED OR HAZARDOUS CONDITIONS TO AIRPORT OPERATIONS SAFETY. THIS INCLUDES DETERMINING AND VERIFYING THAT STOCKPILED MATERIALS ARE STORED AT AN APPROVED LOCATION, THAT THEY ARE PROPERLY STOWED TO PREVENT FOREIGN OBJECT DEBRIS (FOD), ATTRACTION BY WILDLIFE, OR OBSTRUCTION OF AIR OPERATIONS EITHER BY THEIR PROXIMITY TO NAVAIDS OR TO AIRCRAFT MOVEMENT AREAS.
2. ALL STOCKPILED MATERIAL(S)/SUPPLIES SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS. MATERIAL(S)/SUPPLIES SHALL NOT BE STORED WITHIN 500 FEET OF AIRCRAFT TURNING AREAS OR MOVEMENT AREAS. STOCKPILED MATERIAL(S)/SUPPLIES SHALL NOT EXCEED 15 FEET IN HEIGHT UNLESS THE CONTRACTOR HAS COMPLIED WITH ALL REQUIREMENTS FOR AIRSPACING AND SECURED APPROVAL FROM AIRPORT OPERATIONS. ALL MATERIAL(S)/SUPPLIES SHALL BE POSITIONED SO IT WILL NOT OBSTRUCT THE LINE OF SIGHT FROM THE CONTROL TOWER TO THE MOVEMENT AREA. MARKING AND LIGHTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THESE CONSTRUCTION PLANS. LOOSE MATERIALS, SUCH AS STRAW, SHALL BE COVERED AS DIRECTED BY CA TEAM.

H. VEHICLE AND PEDESTRIAN OPERATIONS

1. VEHICLE AND ACCESS ROUTES FOR AIRPORT CONSTRUCTION SHALL BE CONTROLLED AS NECESSARY TO PREVENT INADVERTENT OR UNAUTHORIZED ENTRY OF PERSONS, VEHICLES OR ANIMALS ONTO AIR OPERATION AREAS. NO VEHICLE SHALL ENTER THE AIR OPERATIONS AREA EXCEPT AT PREDETERMINED LOCATIONS. THE CONTRACTOR MAY BE REQUIRED TO USE A GUARD AT ACCESS GATES AND A FLAG PERSON TO CONTROL TRAFFIC CROSSING TAXIWAYS AND OTHER AIRCRAFT MOVEMENT AREAS DURING CERTAIN PHASES OF THE PROJECT. CONTRACTOR PERSONNEL WHO OPERATE VEHICLES IN THE AOA SHALL COMPLY WITH AC 150/5210-5 (LATEST VERSION), PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT.
2. ALL CONSTRUCTION VEHICLES/MECHANIZED EQUIPMENT SHALL HAVE A VEHICLE PASS AS DETERMINED BY AIRPORT OPERATIONS DISPLAYED.
3. ALL CONSTRUCTION VEHICLES/MECHANIZED EQUIPMENT AUTHORIZED WITHIN THE MOVEMENT AREA OR RELATED SAFETY AREAS SHALL BE MARKED WITH A CLEAN 3' X 3' ORANGE AND WHITE CHECKERED FLAG WITH EACH BOX BEING 1' SQUARE, LOCATED ON THE UPPERMOST PORTION OF THE VEHICLE/MOTORIZED EQUIPMENT, OR BE ESCORTED BY A VEHICLE SO EQUIPPED.
4. DURING NIGHTTIME HOURS, ALL EQUIPMENT OPERATING ON THE AIRPORT EXCEEDING 15 FEET IN HEIGHT SHALL BE LIT WITH A RED OBSTRUCTION LIGHT LOCATED ON THE UPPERMOST PORTION OF THE EQUIPMENT.
5. VEHICLES/MECHANIZED EQUIPMENT AUTHORIZED ON THE MOVEMENT AREA (RUNWAYS, TAXIWAYS, AND RAMPS) AND/OR ASSOCIATED SAFETY AREAS SHALL BE EQUIPPED WITH AN ELECTRICALLY POWERED, YELLOW COLOR, 360-DEGREE OMNI-DIRECTION LIGHT, OR 3' X 3' WHITE AND ORANGE CHECKERED FLAG MOUNTED ON THE VEHICLE SUCH THAT IT IS CONSPICUOUS FROM ANY DIRECTION.

I. REQUIRED ESCORTS

1. THE CONTRACTOR MUST PROVIDE AN ADEQUATE NUMBER OF ESCORTS FOR MATERIAL DELIVERIES ALONG HAUL ROUTES AND THE MOVEMENTS OF THE CONTRACTOR'S VEHICLES/MECHANIZED EQUIPMENT AND PERSONNEL WITHIN THE MOVEMENT AREA AND NON-MOVEMENT AREAS AS AUTHORIZED BY THE AIRPORT OPERATIONS. EACH ESCORT MAY ACCOMPANY A MAXIMUM OF 5 VEHICLES AT A TIME ACROSS MOVEMENT AREAS AND MUST MAINTAIN VISUAL ACCESS AT ALL TIMES.
2. DURING ANY ABSENCE OF THE APPROVED ESCORT(S) OR FOR PERIODS THAT THEY ARE UNABLE TO PERFORM THEIR SPECIFIED DUTIES, ALL WORK WITHIN THE MOVEMENT AREA AND ASSOCIATED SAFETY AREAS FOR PROJECTS SHALL STOP. ADDITIONALLY, ALL PERSONNEL AND EQUIPMENT SHALL BE ESCORTED TO APPROVED LOCATIONS OUTSIDE THE MOVEMENT AREA AND RELATED SAFETY AREAS. NO CONTRACT TIME EXTENSION WILL BE GRANTED FOR TIME LOST DUE TO THE ABSENCE OF ESCORT(S). WORK SHALL RESUME ONLY WITH THE RETURN OF THE APPROVED ESCORT(S).
3. THE ESCORT SHALL ASSURE THAT ALL EQUIPMENT MAINTAINS PROPER CLEARANCES FROM MOVING AIRCRAFT.

J. TRAINING REQUIREMENTS FOR VEHICLE DRIVERS

1. CONTRACTOR EMPLOYEES DESIGNATED AS ESCORTS, ARE REQUIRED TO BE BADGED BY AUGUSTA REGIONAL AIRPORT OPERATIONS / SECURITY. GO THROUGH SECURITY/DRIVER'S SAFETY TRAINING PROGRAM, AND PASS THE ASSOCIATED TEST. TRAINING IS BY APPOINTMENT ONLY. FURTHER ADDITIONAL AIRFIELD AND SITE TRAINING WILL BE PROVIDED WITH BADGED INDIVIDUALS UPON SUCCESSFUL COMPLETION OF CLASSROOM TRAINING AND BEFORE THE START OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH BADGING SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. MOVEMENT AREA ESCORT EMPLOYEES ARE REQUIRED TO COMPLETE AND PASS AN ADDITIONAL CLASS ON GROUND VEHICLE OPERATIONS.

K. TWO-WAY RADIO COMMUNICATIONS PROCEDURES

1. THE ONSITE PROJECT SUPERINTENDENT AND ANY FLAGMEN ASSIGNED TO THE PROJECT WILL BE REQUIRED TO MONITOR AIRPORT TWO-WAY RADIO COMMUNICATIONS BETWEEN THE AIR TRAFFIC CONTROL TOWER AND PILOTS. THE CONTRACTOR WILL NOT CONTACT THE TOWER OR PILOTS, BUT USE RADIO MONITORING TO STAY INFORMED ABOUT ONGOING AIRPORT

OPERATIONS AND AIRCRAFT MOVEMENTS. AUTHORIZED MOVEMENT AREA ROUTES WILL BE DETERMINED BY THE CA TEAM AND AIRPORT OPERATIONS. THE CONTRACTOR SHALL NOT ENTER OR CROSS ANY OPEN RUNWAY OR TAXIWAY WITHOUT AN AUTHORIZED ESCORT FROM THE CA TEAM OR AIRPORT OPERATIONS. NON-COMPLIANCE WILL RESULT IN REMOVAL OF THE VIOLATOR FROM THE JOB SITE AND THE VIOLATOR'S AIRPORT IDENTIFICATION BADGE WILL BE CONFISCATED. IN ADDITION, CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FINES ASSOCIATED WITH THE VIOLATION. FAA IS TYPICALLY \$11,000 MINIMUM PER OCCURRENCE. EMERGENCIES AND OPERATING CONDITIONS MAY NECESSITATE SUDDEN CHANGES, BOTH IN AIRPORT OPERATIONS AND IN THE OPERATIONS OF THE CONTRACTOR. AIRCRAFT OPERATIONS SHALL ALWAYS HAVE PRIORITY OVER ANY AND ALL OF THE CONTRACTOR'S OPERATIONS. SHOULD RUNWAYS OR TAXIWAYS BE REQUIRED FOR THE USE OF AIRCRAFT AND SHOULD AIRPORT OPERATIONS, THE CONTROL TOWER, OR THE CA TEAM DEEM THE CONTRACTOR TO BE TOO CLOSE TO ACTIVE RUNWAYS OR TAXIWAYS THE CONTRACTOR SHALL SUSPEND HIS OPERATIONS, REMOVE HIS PERSONNEL, PLANT, EQUIPMENT, AND MATERIALS TO A SAFE DISTANCE AND STAND BY UNTIL THE RUNWAYS AND TAXIWAYS ARE NO LONGER REQUIRED FOR USE BY AIRCRAFT. THERE WILL BE NO COMPENSATION FOR DELAYS OR INEFFICIENCIES DUE TO THESE CHANGES.

2. FOR SCHEDULING CONTACT AIRFIELD OPERATIONS TRAINING AT (706) 796-4004.

3. CONTRACTOR SHALL PROVIDE RADIOS CAPABLE OF MONITORING AIRPORT FREQUENCY 121.90 MHZ.

L. MAINTENANCE OF THE RESTRICTED AREA OF THE AIRPORT

1. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS AS PER THE PHASING PLAN. CONFINEMENT, EQUIPMENT AND MATERIALS OUTSIDE OF THE RUNWAY OBJECT FREE AREA (ROFA) WHEN RUNWAY IS ACTIVE. CONFINEMENT, EQUIPMENT AND MATERIALS OUTSIDE OF THE TAXIWAY OBJECT FREE AREA (TOFA) WHEN THE TAXIWAY IS ACTIVE. WORK SITE WILL GENERALLY BE ENCLOSED WITH CONSTRUCTION AREA MARKERS AS SHOWN ON THE SAFETY/PHASING PLAN. SEE THE SPECIFICATIONS FOR SPECIAL CONDITIONS AND FOR OTHER CONDITIONS RELATING TO SAFETY.
2. THE CONTRACTOR SHALL HAVE ACCESS TO THE AIRPORT ONLY AT THOSE LOCATIONS DESIGNATED ON THE PLANS. ALL OTHER ACCESS SHALL BE BY SPECIAL REQUEST AND SUBJECT TO APPROVAL BY AIRPORT OPERATIONS. THE CONTRACTOR WILL PROVIDE SECURITY PERSONNEL TO CONTROL MOVEMENTS THROUGH THE CONTRACTOR'S ACCESS GATE UNLESS THE GATE REMAINS LOCKED. THE CONTRACTOR SHALL REFER TO SPECIAL PROVISION SECTION SP-20 OF THE SPECIFICATIONS FOR THE REQUIREMENTS OF THE SECURITY PERSONNEL.

M. WILDLIFE MANAGEMENT

1. CONTRACTOR SHALL INSTRUCT EMPLOYEES NOT TO DISCARD FOOD OR OTHER TRASH ON OR AROUND WORK SITES THAT COULD ATTRACT WILDLIFE. CONTRACTOR EMPLOYEES SHALL NOT INTENTIONALLY FEED ANY WILDLIFE WHILE WORKING AT THE AIRPORT.
2. CONTRACTOR SHALL PROPERLY SEAL ALL TRASH CONTAINERS AT WORK SITES SUCH THAT WILDLIFE CANNOT GAIN ACCESS TO CONTAINERS DURING NON-CONSTRUCTION PERIODS.
3. CONTRACTOR SHALL NOTIFY AIRPORT OPERATIONS STAFF IF LARGE NUMBERS OF BIRDS OR MAMMALS ARE OBSERVED AT WORK SITES. CONTRACTOR SHALL IMMEDIATELY NOTIFY OPERATIONS STAFF IF MAMMALS ARE SIGHTED WITHIN THE AIRFIELD FENCE.

N. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

1. THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES A VACUUM TYPE MECHANICAL SWEEPER AND WATER TRUCK TO CLEAN ALL TAXIWAY AND APRON PAVEMENT OF DIRT, STONES, AND LOOSE DEBRIS WHERE CONSTRUCTION TRAFFIC CROSSES AT ALL ACTIVE AIRPORT PAVED SURFACES. NO DIRECT PAY WILL BE MADE FOR VACUUM AND WATER TRUCKS OR FOR PAVEMENT CLEANING.
2. NO DEBRIS SHALL BE ALLOWED TO REMAIN ON THE ROADWAYS OR AIRPORT PAVED SURFACES. ACTIVE TAXIWAYS AND APRONS SHALL BE KEPT FREE OF DEBRIS AT ALL TIMES. USING POWER VACUUM SWEEPERS TO KEEP ALL ACCESS AND CONSTRUCTION AREAS CLEAR OF SOILS, CLODS, OR OTHER DEBRIS. PAYMENT FOR VACUUM SWEEPING AND CLEANING OF RUNWAY, TAXIWAYS AND/OR APRONS IS INCIDENTAL TO ITEM C-105.
3. THE CONTRACTOR SHALL HAVE AVAILABLE ON-SITE AT ALL TIMES A METHOD OF PERIODIC SPRAYING OF ANY STOCKPILE, HAUL ROADS, OR EXPOSED AREAS TO LIMIT DUST.

O. NOTIFICATION OF CONSTRUCTION ACTIVITIES

1. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY IN WRITING, AT LEAST 5 DAYS IN ADVANCE, AIRPORT STAFF AND THE CA TEAM OF ITS INTENTIONS TO BEGIN CONSTRUCTION, STATING THE PROPOSED TIME, DATE, AND AREA OF WHICH CONSTRUCTION IS TO OCCUR IN ORDER FOR THE APPROPRIATE NOTICE-TO-AIRMAN (NOTAM) TO BE ISSUED. DURING THE PERFORMANCE OF THIS CONTRACT, THE AIRPORT FACILITY SHALL REMAIN IN USE TO THE MAXIMUM EXTENT POSSIBLE. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORIZED PERSONS TO ENTER IN ANY AIRPORT AREA WHICH MAY BE OPEN FOR AIRCRAFT USE, EXCEPT AS NOTED ON THE CONSTRUCTION SAFETY PHASING PLAN.
2. CONTRACTOR SHALL INFORM THE CA TEAM ON A DAILY BASIS OF THE DAILY CONSTRUCTION ACTIVITIES.
3. NOTAMS
- A. IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN AIRPORT PROPERTY, APPROPRIATE NOTICES TO AIRMEN (NOTAM) MUST BE ISSUED BY THE AIRPORT OPS DEPARTMENT THROUGH THE FAA FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED, OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 72 HOUR NOTICE IS REQUIRED FOR ISSUANCE OF THE PROPER NOTAM, ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE DESIGNER FOR NOTAM ISSUANCE.
4. EMERGENCY NOTIFICATION PROCEDURES

- A. THE CONTRACTOR SHALL IMMEDIATELY CALL 911 IF AN ACCIDENT OCCURS WITH INJURIES ON AIRPORT PROPERTY ADVISING THE LOCATION IS ON AUGUSTA REGIONAL AIRPORT FOR THEM TO COORDINATE WITH THE AIRPORT AUTHORITY.
- B. THE CONTRACTOR SHALL ALSO IMMEDIATELY NOTIFY AIRPORT OPERATIONS TO COORDINATE ALL EMERGENCY EFFORTS, (706) 799-5372.
- C. WITHIN 24 HOURS, THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT OF ALL ACCIDENTS TO AIRPORT OPERATIONS AND CA TEAM.
5. COORDINATION WITH ARFF
- A. IF A FIRE OCCURS ON AIRPORT PROPERTY THE CONTRACTOR SHALL NOT ATTEMPT TO FIGHT THE FIRE BEYOND WHAT MAY BE DOUSED BY USE OF A FIRE EXTINGUISHER. THE CONTRACTOR SHALL IMMEDIATELY CALL 911 ADVISING THE LOCATION IS ON AUGUSTA REGIONAL AIRPORT FOR THEM TO COORDINATE WITH THE AIRPORT AUTHORITY.
- B. NON-EMERGENCY COMMUNICATION WITH AIRPORT ARFF WILL BE COORDINATED BY THE CA TEAM.
- C. AN AIRPORT ARFF REPRESENTATIVE WILL BE INVITED TO ATTEND THE PRECONSTRUCTION CONFERENCE AT WHICH TIME THE OVERALL CONSTRUCTION SCHEDULE WILL BE PRESENTED.
- D. A MEETING WILL BE SCHEDULED WITH THE AIRPORT ARFF REPRESENTATIVE PRIOR TO THE START OF EACH MAJOR CONSTRUCTION PHASE WHICH SIGNIFICANTLY IMPACTS/MODIFIES AIRFIELD CLOSURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT. PARTICIPANTS IN THESE MEETINGS SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, CONTRACTOR, AND SUBCONTRACTORS.

Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NUH
DRAWN BY: NUH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS

CONSTRUCTION
SAFETY & PHASING
NOTES

SHEET NO.

G-071

X:\0119700\202061_01\TECH\CADD\DRAWINGS\G-072 CONSTRUCTION SAFETY & PHASING NOTES.DWG
12/13/2021 3:59:25 PM

6. NOTIFICATION TO THE FAA

- A. THE CONTRACTOR'S USE OF CRANES, BOOM TRUCKS, CONCRETE PUMP TRUCKS, DRILL RIGS AND OTHER TALL OBJECTS WILL REQUIRE SUBMITTAL AND APPROVAL BY THE AIRPORT AND DESIGNER. IF ON AIRPORT PROPERTY, THE EQUIPMENT SHALL REQUIRE FAA AIRSPACE REVIEW AS SUBMITTAL ON FAA FORM 7460-1 NOTICE OF CONSTRUCTION.
- B. IF CONTRACTOR REQUIRES EQUIPMENT IN EXCESS OF MAXIMUM ALLOWABLE HEIGHT, THEN SUBMIT A 7460-1 30 DAYS IN ADVANCE OF CRANE ERECTION. ALL CONSTRUCTION INVOLVING CRANES SHALL FURTHER BE COORDINATED AT LEAST 5 DAYS IN ADVANCE, EXCLUDING WEEKENDS, WITH THE AIRPORT OPERATIONS. THIS DOES NOT INCLUDE THE TIME REQUIRED FOR AIRSPACE REVIEW. THE FOLLOWING INFORMATION AND ACTIONS ARE REQUIRED:

INCLUDE:

- LOCATION OF OBJECT.
- MAXIMUM EXTENDABLE HEIGHT.
- THE TOP OF EACH CRANE BOOM SHALL BE MARKED BY A 3' X 3' ORANGE AND WHITE CHECKERED FLAG -- EACH BOX BEING 1' SQUARE.
- EACH CRANE SHALL BE LOWERED AT NIGHT AND DURING PERIODS OF POOR VISIBILITY AS DIRECTED BY AIRPORT OPERATION. IN THE EVENT THE CRANE IS APPROVED TO REMAIN EXTENDED DURING THE HOURS FROM SUNSET TO SUNRISE, THE HIGHEST POINT OF THE CRANE BOOM WILL BE LIT WITH A RED OBSTRUCTION LIGHT IN ACCORDANCE WITH AC 70/7460-1.

P. INSPECTION REQUIREMENTS

1. CONSTRUCTION EQUIPMENT: THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION EQUIPMENT ON A DAILY BASIS TO ENSURE THAT THE EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ORANGE AND WHITE CONSTRUCTION FLAGS AND BEACONS ARE PRESENT, CLEAN, AND IN GOOD CONDITION.
2. CONSTRUCTION BARRICADES: THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION BARRICADES ON A DAILY BASIS TO ENSURE THAT BARRICADES ARE IN GOOD CONDITION AND THAT FLASHING BEACONS ARE IN WORKING ORDER. IF BARRICADES ARE DAMAGED THEY SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND REPLACED IMMEDIATELY. ANY INOPERABLE FLASHING LIGHTS SHALL BE REMOVED AND REPLACED AT THE END OF EVERY DAY.
3. CONSTRUCTION EQUIPMENT FUELING AREA: THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION EQUIPMENT FUELING AREA DAILY. ANY FUEL SPILLS WILL BE REPORTED TO AIRPORT OPERATIONS AS SOON AS SPILL HAS BEEN IDENTIFIED. IF TEMPORARY FUEL TANKS ARE SUPPLIED BY THE CONTRACTOR THEY MUST BE SURROUNDED BY CONCRETE JERSEY BARRIERS. ALSO, TANKS MUST BE MARKED FLAMMABLE ON ALL SIDES AND LABELED WITH THE TYPE OF FUEL THEY CONTAIN. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AN SPCC FOR THE FUEL TANKS, IF REQUIRED, IN ACCORDANCE WITH FEDERAL REGULATIONS.
4. ACTIVE AIRPORT PAVEMENTS: THE CONTRACTOR SHALL INSPECT ALL ACTIVE AIRPORT PAVEMENTS CONTINUOUSLY DURING CONSTRUCTION ACTIVITIES. MATERIALS TRACKED ONTO ACTIVE AIRPORT PAVEMENTS MUST BE CONTINUOUSLY REMOVED DURING THE PROJECT. PRIOR TO LEAVING THE CONSTRUCTION SITE AT THE END OF EACH DAY, THE CONTRACTOR MUST CONTACT AIRPORT OPERATIONS FOR AN INSPECTION OF THE CLEANLINESS OF AIRPORT PAVEMENTS.
5. A FINAL SAFETY INSPECTION MAY BE REQUIRED PRIOR TO ALLOWING AIR CARRIER SERVICE. THE AIRPORT AUTHORITY WILL COORDINATE AS NECESSARY WITH THE FAA AIRPORT CERTIFICATION SAFETY INSPECTOR TO DETERMINE IF A FINAL INSPECTION WILL BE NECESSARY.

Q. UNDERGROUND UTILITIES

1. THE CONTRACTOR SHALL IDENTIFY ANY KNOWN UNDERGROUND INTERFERENCES OR DISCREPANCIES ON ALL AVAILABLE DRAWINGS THAT CAN BE PROVIDED BY CONTACTING THE DESIGNER AND THE CA TEAM AT:
- MEAD & HUNT, INC.
- 5955 Core Road
- Suite 515
- NORTH CHARLESTON, SC 29406
- PHONE: (803) 520-2986
2. PRIOR TO COMMENCING ANY EXCAVATION (ON OR OFF AOA), DRILLING (ON OR OFF THE AOA), DRIVING FENCE POSTS (ALONG THE AOA), TRENCHING (ON OR OFF THE AOA), SAW CUTTING (AOA ONLY), THE CONTRACTOR SHALL PERFORM GPR ACROSS THE ENTIRE SITE TO BE DISTURBED AND SHALL REVIEW DRAWINGS WITH AIRPORT TO INSURE THAT ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES ARE IDENTIFIED. IN ADDITION THE CONTRACTOR SHALL CONTACT GEORGIA 811 AND FAA AND COORDINATE WITH THE AIRPORT PROJECT SUPERVISOR TO ASSIGN THE VERIFICATION OF UTILITIES BY AIRPORT MAINTENANCE. GEORGIA 811 FAA, AIRPORT AUTHORITY MAINTENANCE, AND THE CONTRACTOR SHALL ATTEMPT TO LOCATE UTILITIES. THE CONTRACTOR WILL BE COMPLETELY RESPONSIBLE FOR ALL DAMAGE TO UNDERGROUND UTILITIES. THE CONTRACTOR SHALL COORDINATE REQUEST FOR SWEEPS OF UTILITIES BY COMPLETING THE CONTRACTOR REQUEST FOR SWEEP FORM AT LEAST 72 HOURS PRIOR TO ANY EXCAVATIONS. AIRPORT AUTHORITY WILL NOTIFY THE CONTRACTOR A MINIMUM WITH 24 HOURS AFTER RECEIVING NOTICE. AT THAT TIME THE AIRPORT AUTHORITY WILL INDICATE IF IT CAN COMPLETE THE SWEEP. IF IT CAN'T, THE CONTRACTOR WILL BE RESPONSIBLE TO COMPLETE THE SWEEP AND/OR USE GEORGIA 811.
3. EACH UTILITY SHALL BE SWEPT IN THE FOLLOWING MANNER: FLAGS CAN BE USED BUT SHALL BE COLOR COORDINATED AS SUGGESTED BELOW. IN ADDITION THE "ACRONYM" FOR THAT UTILITY SHALL BE WRITTEN ON ONE SIDE OF THE FLAG WITH A PERMANENT MARKER.
4. STAKES CAN BE USED. THE TOP TWO INCHES OF THE STAKE SHALL BE PAINTED IN COLOR AS SUGGESTED BELOW. IN ADDITION THE "ACRONYM" FOR THAT UTILITY SHALL BE WRITTEN ON ONE SIDE OF THE STAKE WITH A PERMANENT MARKER. STAKES SHOULD NOT BE USED IN RSA OR TSA IF THEY CAN BE AVOIDED.
5. PAINTING IS ONLY AUTHORIZED ON ASPHALT, CONCRETE, AND METAL SURFACES. MARKINGS SHALL BE COLOR COORDINATED AS SUGGESTED BELOW. THE ACRONYM FOR THE UTILITY SHALL BE USED FOR EACH UTILITY. A LINE THAT SHOWS THE DIRECTION OF THE UTILITY SHALL EMANATE FROM THE ACRONYM IN EACH DIRECTION.
6. ALL MARKING OF UTILITIES SHALL BE EVERY 50 FEET.

	ACRONYM	COLOR
ELECTRICAL LOOPS (NON AOA)	USE "ELEC"	RED
AIRFIELD ELECTRICAL	USE "ELEC"	RED
NATURAL GAS	USE "NAT GAS"	YELLOW
SANITARY	USE "SANIT"	BROWN
STORM	USE "STORM"	BROWN
WATER (POTABLE AND FIRE)	USE "WATER"	BLUE
FAA COPPER	USE "FAA COP"	RED
FAA FIBER	USE "FAA FIB"	ORANGE
FIBER	USE "FIBER"	ORANGE
TELEPHONE	USE "TELE"	ORANGE

7. IF UNDERGROUND UTILITY IS ABANDONED, CONTRACTOR SHALL STILL STAKE, MARK, OR FLAG BUT WRITE DOWN "ABAND" BEFORE THE ABBREVIATED PREFIX INDICATED ABOVE.
8. THE INDIVIDUAL MARKING, STAKING, OR FLAGGING SHALL MARK THE UTILITIES IN A WAY THAT COINCIDES WITH THE

DRAWINGS THAT ARE REFERENCED ON THE REQUEST FOR SWEEP FORM.

9. IF A UTILITY OR ANY UNDERGROUND OBSTRUCTION IS FOUND IT SHALL BE REPORTED IMMEDIATELY TO THE DESIGNER OR THE AIRPORT AUTHORITY PROJECT SUPERVISOR.
10. CONTRACTOR EMPLOYEES IN AN EXCAVATION SHALL BE PROTECTED FROM CAVE-INS BY AN ADEQUATE PROTECTIVE SYSTEM UNLESS THE EXCAVATION IS:
- A. MADE ENTIRELY OF STABLE ROCK, OR
- B. LESS THAN 5 FEET DEEP AND DETERMINATION HAS BEEN MADE THAT THERE IS NO POTENTIAL FOR A CAVE-IN.
- 11.EXCAVATION SHALL BE PROTECTED PER OSHA STANDARDS.

R. PENALTIES

1. ENTERING THE MOVEMENT AREA (I.E. RUNWAYS, TAXIWAYS, ETC.) WITHOUT AUTHORIZATION FROM THE FAA AIR TRAFFIC CONTROL TOWER AND THE AIRPORT OPERATIONS WILL RESULT IN THE SUSPENSION OF AN ASSIGNED ID BADGE AND/OR RAMP DRIVING PRIVILEGES AND COULD SUBJECT THE CONTRACTOR'S KEY PERSONNEL TO PERMANENT REVOCATION OF THEIR AIRFIELD DRIVING PRIVILEGES. FURTHERMORE, RUNWAY INCURSIONS MAY RESULT IN FINES AND/OR TERMINATION OF THIS CONTRACT. CONTRACTOR IS SOLELY RESPONSIBLE FOR THESE FINES FOR THEIR FORCES AS WELL AS ANY SUBCONTRACTORS, SUPPLIERS, OR ANY OTHERS EMPLOYED BY THE CONTRACTOR ON THIS PROJECT.

S. RUNWAY AND TAXIWAY VISUAL AIDS

1. TAXIWAY VISUAL AIDS, INCLUDING ANY TEMPORARY TAXIWAY PAVEMENT MARKING WILL BE AS SHOWN ON THE PLANS AND PROVIDED BY THE CONTRACTOR. MARKINGS SHALL BE IN COMPLIANCE WITH AC 150/5340-1, STANDARDS FOR AIRPORT MARKINGS. LIGHTING SHALL CONFORM TO AC150/5340-30, DESIGN AND INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS, AC 150/5345-50-B, SPECIFICATIONS FOR PORTABLE RUNWAY TAXIWAY LIGHTS, AND AC 150/5345-53 AIRPORT LIGHTING CERTIFICATION PROGRAM. SIGNS SHALL CONFORM TO AC 150/5345-44, SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS, AC 150/5340-18-G, STANDARDS FOR AIRPORT SIGN SYSTEMS, AND AC 150/5345-53, AIRPORT LIGHTING CERTIFICATION PROGRAM.
2. IF AIRCRAFT OPERATION AREAS MUST BE CLOSED, THE CONTRACTOR SHALL FURNISH AND PLACE PORTABLE BARRICADES ACROSS TAXIWAYS TO KEEP VEHICLES FROM ENTERING ACTIVE OPERATION AREAS AND TO KEEP AIRCRAFT FROM TAXIING INTO CONSTRUCTION AREAS. EXCAVATION AND OPEN TRENCHES MAY BE PERMITTED UP TO THE EDGE OF AN APRON PROVIDED THE DROP OFF IS APPROPRIATELY MARKED AND LIGHTED. BARRICADES SHALL BE MARKED WITH DIAGONAL, ALTERNATING ORANGE AND WHITE STRIPES AND SUPPLEMENTED WITH EITHER FLASHING LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. LIGHTS SHALL BE BARRICADE TYPE TYPICAL FOR CONSTRUCTION ZONES, AND RED IN COLOR. ALL LIGHTS MUST BE CHECKED NIGHTLY TO ENSURE THAT THEY ARE OPERATING. ANY LIGHTS NOT FUNCTIONING SHALL BE IMMEDIATELY REPLACED.

BARRICADES LOCATED WITHIN AIRCRAFT OPERATION AREAS SHALL BE LOW LEVEL AVIATION BARRICADES SPECIFICALLY MANUFACTURED AND DESIGNED FOR SUCH PURPOSE. THEY SHALL BE ALTERNATING ORANGE AND WHITE IN COLOR 10" HIGH AND 96" LONG, MADE OF UV-RESISTANT POLYETHYLENE AS MANUFACTURED BY MULTI-BARRIER (MODEL AR 10X96 HDPE) OR APPROVED EQUAL.

T. MARKING AND SIGNS FOR ACCESS ROUTES

1. MARKINGS AND SIGNS USED ON ACCESS ROUTES SHALL CONFORM TO AC 150/5340-18G AND, TO THE EXTENT PRACTICABLE, WITH THE MOST CURRENT VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

U. HAZARD MARKING

1. HAZARD-MARKING BARRICADES, TRAFFIC CONES, FLASHERS, ETC. SHOULD BE USED: TO IDENTIFY AND DEFINE THE LIMITS OF CONSTRUCTION MAKING THEM VISIBLE TO AIRCRAFT, PERSONNEL, OR VEHICLES; TO IDENTIFY HAZARDS SUCH AS OPEN MANHOLES, SMALL AREAS UNDER REPAIR, STOCKPILED MATERIAL, WASTE AREAS, ETC.; TO PREVENT AIRCRAFT FROM TAXIING ONTO A CLOSED TAXIWAY; AND TO IDENTIFY FAA, AIRPORT, AND NATIONAL WEATHER SERVICE FACILITIES, CABLES, POWER LINES, INSTRUMENT LANDING SYSTEM (ILS) CRITICAL AREAS, AND OTHER SENSITIVE AREAS TO PREVENT DAMAGE, INTERFERENCE, AND FACILITY SHUTDOWN. HAZARDOUS AREAS, IN WHICH NO PART OF AN AIRCRAFT MAY ENTER, SHOULD BE INDICATED BY THE USE OF BARRICADES MARKED WITH DIAGONAL, ALTERNATING ORANGE AND WHITE STRIPES. THE BARRICADES SHOULD BE SUPPLEMENTED WITH ALTERNATING ORANGE AND WHITE FLAGS, AND INSTALLED SO THAT THEY ARE ALWAYS IN THE EXTENDED POSITION AND PROPERLY ORIENTED. DURING REDUCED VISIBILITY OR NIGHT HOURS, THE BARRICADES SHOULD BE SUPPLEMENTED WITH FLASHING RED LIGHTS. THE INTENSITY OF THE LIGHTS AND SPACING FOR BARRICADES, FLAGS, AND LIGHTS SHOULD BE ADEQUATE TO DELINEATE THE HAZARDOUS AREA WITHOUT AMBIGUITY. THE CONTRACTOR SHALL HAVE A DESIGNATED PERSON ON CALL 24-HOURS A DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES.

V. MARKING AND LIGHTING

1. LOW PROFILE LIGHTS, RETROREFLECTIVE TAXIWAY EDGE MARKERS, AND LOW LEVEL BARRICADES SHALL BE PROVIDED AND ERECTED BY THE CONTRACTOR AS SHOWN ON THE PLANS OR AS DIRECTED BY THE CA TEAM. ALL CONSTRUCTION AREAS, INCLUDING CLOSED TAXIWAYS, SHOULD BE CLEARLY AND VISIBLY SEPARATED FROM ACTIVE AIR OPERATION AREAS. HAZARD AREAS, FACILITIES, CABLES, AND POWER LINES SHOULD ALSO BE CLEARLY IDENTIFIED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONDITION AND VISIBILITY OF ALL MARKERS IDENTIFYING ABOVE-MENTIONED AREAS AND THAT MARKING AND LIGHTING AIDS REMAIN IN PLACE. ALTERNATING ORANGE AND WHITE FLAGLINES, TRAFFIC CONES, OMNIDIRECTIONAL YELLOW FLASHERS, AND/OR SIGNS SHOULD BE USED AS NECESSARY TO CLEARLY SEPARATE ALL CONSTRUCTION/MAINTENANCE AREAS FROM OTHER PARTS OF THE AOA. ALL BARRICADES, TEMPORARY MARKERS, FLAGLINES SUPPORTS, AND OTHER OBJECTS PLACED AND LEFT IN SAFETY AREAS ON ANY OPEN TAXIWAY, OR TAXILANE SHOULD BE AS LOW AS POSSIBLE TO THE GROUND; OF LOW MASS; EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF ITS COMPONENTS; WEIGHTED DOWN OR STURDILY ATTACHED TO THE SURFACE TO PREVENT DISPLACEMENT FROM PROWASH, JET BLAST, WING VORTEX, OR OTHER SURFACE WIND CURRENTS; AND IF AFFIXED TO THE SURFACE, FRANGIBLE AT GROUND LEVEL.

W.LOW PROFILE BARRICADES

1. THE CONTRACTOR SHALL PROVIDE LOW PROFILE BARRICADES AS DESCRIBED IN THE PLANS. ALONG RUNWAY OR TAXIWAY EDGES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES ALONG ACTIVE APRON OR TAXIWAY PAVEMENT SHALL BE PLACED APPROXIMATELY 10 FEET FROM THE EDGE OF THE FULL STRENGTH PAVEMENT, WHERE POSSIBLE, OR AS SHOWN ON THE OPERATIONAL AND PHASING PLANS OR AS DETERMINED BY THE DESIGNER AND AIRPORT OPERATIONS TO DELINEATE THE CONTRACTORS WORK AREAS. GAP BETWEEN BARRICADES SHALL BE NO MORE THAN 8 FEET END TO END. NO GAPS ARE ALLOWED BETWEEN BARRICADES LOCATED ADJACENT TO RUNWAY SAFETY AREAS.
2. THE CONTRACTOR SHALL MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT.
3. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAINTED AND/OR REPLACED WHEN DEEMED APPROPRIATE BY THE CA TEAM. THE CONDITION OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY. THE AREAS AROUND ALL BARRICADES SHALL BE CLEANED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP UP ACCUMULATED DEBRIS AND REMOVE IT FROM THE SITE. ALL ACTIVITIES CONDUCTED ADJACENT TO ACTIVE RUNWAYS OR TAXIWAYS SHALL BE COORDINATED WITH THE CA TEAM.
4. BARRICADES SHALL BE AS SHOWN ON DETAILS, G-082. ALL INCIDENTAL CONNECTORS, SPACERS, SPLICE PLATES, ETC., SHALL BE PAINTED WHITE.
5. ALTERNATE FORMS OF BARRICADES MAY BE PROPOSED BY THE CONTRACTOR WHICH MEET THESE FUNCTIONAL REQUIREMENTS. APPROVALS OF ANY SUCH SUBSTITUTION (IF GRANTED) SHALL BE BY THE AIRPORT AUTHORITY'S OPERATIONS AND THE CA TEAM.
6. THE FINAL LOCATION FOR THE BARRICADES SHALL BE ESTABLISHED IN THE FIELD WITH CONCURRENCE FROM THE CA TEAM AND AIRPORT OPERATIONS.
7. THE CONTRACTOR SHALL HAVE REPLACEMENT BARRICADES, LIGHTS AND BATTERIES ON SITE AND SHALL REPLACE BARRICADES, LIGHTS AND/OR BATTERIES WITHIN ONE HOUR OF NOTIFICATION BY THE CA TEAM OR AIRPORT PERSONNEL. CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER FOR AN ON-CALL REPRESENTATIVE 24 HOURS PER DAY,

SEVEN DAYS PER WEEK TO REPLACE BARRICADES, BATTERIES AND INOPERATIVE LIGHTS.

8. RED STEADY BURN LIGHTS SHALL BE PLACED AT THE ENDS AND AT CORNERS OF EACH LINE OF BARRICADES; ALL OTHER LIGHTS ON BARRICADES SHALL BE RED FLASHING..
9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER POSITIONING OF ALL BARRICADES.
- 10.SANDBAGS, WATER AND/OR ANCHORS MAY BE REQUIRED TO HOLD THE BARRICADES IN PLACE WHERE EXPOSED TO JET BLAST.
- 11.ALL COSTS ASSOCIATED WITH FURNISHING, PLACEMENT, MAINTENANCE AND SUBSEQUENT RELOCATION OF THE LOW PROFILE BARRICADES ARE INCIDENTAL TO ITEM C-105, AIRFIELD SAFETY AND TRAFFIC CONTROL.

X. DELINEATING WORK AREAS

1. SAFETY BARRICADES SHALL BE FURNISHED AND INSTALLED AT THE LOCATIONS AS INDICATED ON THE CONTRACT DOCUMENTS AND/OR DIRECTED BY THE CA TEAM. GENERALLY, SAFETY FENCE WILL BE USED FOR DELINEATING CONTRACTOR STAGING/STORAGE AREAS, PHASE LIMITS AND EXCAVATIONS, TRENCHES, DROPOFFS, ETC. THAT MAY POSE A HAZARD TO ONSITE SAFETY.
2. SAFETY BARRICADES SHALL BE AS SPECIFIED IN SECTION 70-08 OF THE GENERAL PROVISIONS.

Y. PROJECT SURVEY AND LAYOUT

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING THEIR OWN PROJECT SURVEY AND CONSTRUCTION LAYOUT IN ACCORDANCE WITH SPECIFICATION SP-90. CONTRACTOR SHALL BE COMPENSATED FOR PROJECT SURVEY AND LAYOUT UNDER C-105 MOBILIZATION.

Z. PROTECTION

1. AT NO TIME SHALL PERSONNEL, VEHICLES OR EQUIPMENT BE LOCATED OR ENTER ANY OF THE FOLLOWING AREAS UNLESS AUTHORIZED BY AIRPORT OPERATION OR CA TEAM.
- A. WITHIN 250 FEET PARALLEL TO AN ACTIVE RUNWAY CENTERLINE (TO BE INDICATED ON THE CSPP AND/OR SPCD).
- B. NO STOCKPILES WILL BE PLACED WITHIN 400 FEET PARALLEL TO AN ACTIVE RUNWAY CENTERLINE NOR WILL EQUIPMENT BE LEFT UNATTENDED.
- C. WITHIN 1,000 FEET OF THE END OF ACTIVE RUNWAYS (EACH END TO BE INDICATED IN THE CSPP AND/OR SPCD)
- D. WITHIN 93 FEET PARALLEL TO AN ACTIVE TAXIWAY CENTERLINE OPERATING WITH GROUP III AIRCRAFT WITH OUT PROPER APPROVAL.
- E. ACTIVE NAVAID CRITICAL AREAS.
- F. ON THE MOVEMENT AREA AND/OR ASSOCIATED SAFETY AREAS DURING TIMES OF INCLEMENT WEATHER OR UNUSUAL EVENTS AS DETERMINED BY THE AIRPORT OPERATION. DURING SUCH TIMES ALL WORK IS TO BE SUSPENDED. ALL EQUIPMENT SHALL BE REMOVED TO APPROVED STAGING AREAS.
2. TRENCHES AND/OR EXCAVATIONS SHALL NOT BE ALLOWED IN THE FOLLOWING AREAS WITHOUT CLOSURE OR RESTRICTION OF THE ADJACENT MOVEMENT AREA:
- A. WITHIN 250 FEET PARALLEL TO A RUNWAY CENTERLINE.
- B. WITHIN 93 FEET PARALLEL TO A TAXIWAY CENTERLINE OPERATING WITH GROUP III AIRCRAFT
- C. WITHIN 1,000 FEET OF THE END OF A RUNWAY.
- D. ACTIVE NAVAID CRITICAL AREAS.
3. EQUIPMENT WITHIN 400 FEET OF AN ACTIVE RUNWAY SHALL BE REMOVED WHEN NOT IN USE.
4. SOIL EROSION MUST BE CONTROLLED TO MAINTAIN RSATSA STANDARDS. ANY HOLES OR MOUNDS, BUMPS, OR OTHER FEATURES WITH A GRADE CHANGE GREATER THAN 3 INCHES WITHIN THE RSA OR TSA SHALL BE REPAIRED PRIOR TO RUNWAY OR TAXIWAY OPENING.

AA. OTHER LIMITATIONS ON CONSTRUCTION

1. PROHIBITIONS
- A. OPEN FLAME WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED FOR USE BY THE CA TEAM AND A BURN PERMIT HAS BEEN OBTAINED FROM THE ARFF. FLARE POTS SHALL NOT BE USED NEAR AIRCRAFT TURNING AREAS. ELECTRICAL BLASTING CAPS SHALL NOT BE USED WITHIN 1,000 FT OF THE AIRPORT PROPERTY.

BB. CONTRACTOR RESPONSIBILITIES

1. THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE AIRPORT OPERATOR DESCRIBING HOW IT WILL COMPLY WITH THE REQUIREMENTS OF THE CSPP. THE SPCD MUST INCLUDE A CERTIFICATION STATEMENT BY THE CONTRACTOR THAT INDICATES IT UNDERSTANDS THE OPERATIONAL SAFETY REQUIREMENTS OF THE CSPP AND THEY WILL NOT DEVIATE FROM THE APPROVED CSPP AND SPCD UNLESS WRITTEN APPROVAL IS GRANTED BY THE AIRPORT OPERATOR. ANY CONSTRUCTION PRACTICE PROPOSED BY THE CONTRACTOR THAT DOES NOT CONFORM TO THE CSPP AND SPCD MAY IMPACT THE AIRPORT'S OPERATIONAL SAFETY AND WILL REQUIRE A REVISION TO THE CSPP AND SPCD AND RE-COORDINATION WITH THE AIRPORT OPERATOR AND THE FAA IN ADVANCE.
2. THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES COPIES OF THE CSPP AND SPCD FOR REFERENCE BY THE AIRPORT OPERATOR AND ITS REPRESENTATIVES, AND BY SUBCONTRACTORS AND CONTRACTOR EMPLOYEES.
3. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SAFETY PROCEDURES AND REGULATIONS ON THE THE AIRPORT. PROVIDE A POINT OF CONTACT WHO WILL COORDINATE AN IMMEDIATE RESPONSE TO CORRECT ANY CONSTRUCTION-RELATED ACTIVITY THAT MAY ADVERSELY AFFECT THE OPERATIONAL SAFETY OF THE AIRPORT.
4. THE CONTRACTOR SHALL IDENTIFY IN THE SPCD THE CONTRACTOR'S ON-SITE EMPLOYEES RESPONSIBLE FOR MONITORING COMPLIANCE WITH THE CSPP AND SPCD DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL CONDUCT INSPECTIONS TO ENSURE CONSTRUCTION PERSONNEL COMPLY WITH THE CSPP AND SPCD AND THAT THERE ARE NO ALTERED CONSTRUCTION ACTIVITIES THAT COULD CREATE POTENTIAL SAFETY HAZARDS.
6. THE CONTRACTOR'S SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) SHALL INCLUDE:

A STATEMENT BY THE CONSTRUCTION CONTRACTOR THAT HE/SHE HAS READ AND WILL ABIDE BY THE CSPP. IN ADDITION, THE SPCD MUST INCLUDE ALL SUPPLEMENTAL INFORMATION THAT COULD NOT BE INCLUDED IN THE CSPP PRIOR TO THE CONTRACT AWARD. THE CONTRACTOR STATEMENT SHOULD INCLUDE THE NAME OF THE CONTRACTOR, THE TITLE OF THE PROJECT CSPP, THE APPROVAL DATE OF THE CSPP, AND A REFERENCE TO ANY SUPPLEMENTAL INFORMATION (THAT IS, "I, NAME OF CONTRACTOR, HAVE READ THE TITLE OF PROJECT CSPP, APPROVED ON DATE, AND WILL ABIDE BY IT AS WRITTEN AND WITH THE FOLLOWING ADDITIONS AS NOTE"). THE SUPPLEMENTAL INFORMATION IN THE SPCD SHOULD BE WRITTEN TO MATCH THE FORMAT OF THE CSPP INDICATING EACH SUBJECT BY SUPPLEMENTAL INFORMATION IS NECESSARY FOR ANY SPECIFIC SUBJECT, THE STATEMENT, "NO SUPPLEMENTAL INFORMATION," SHOULD BE WRITTEN AFTER THE CORRESPONDING SUBJECT TITLE. THE SPCD SHOULD NOT DUPLICATE INFORMATION IN THE CSPP.

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NUJ
DRAWN BY: NUJ
CHECKED BY: DES
DO NOT SCALE DRAWINGS

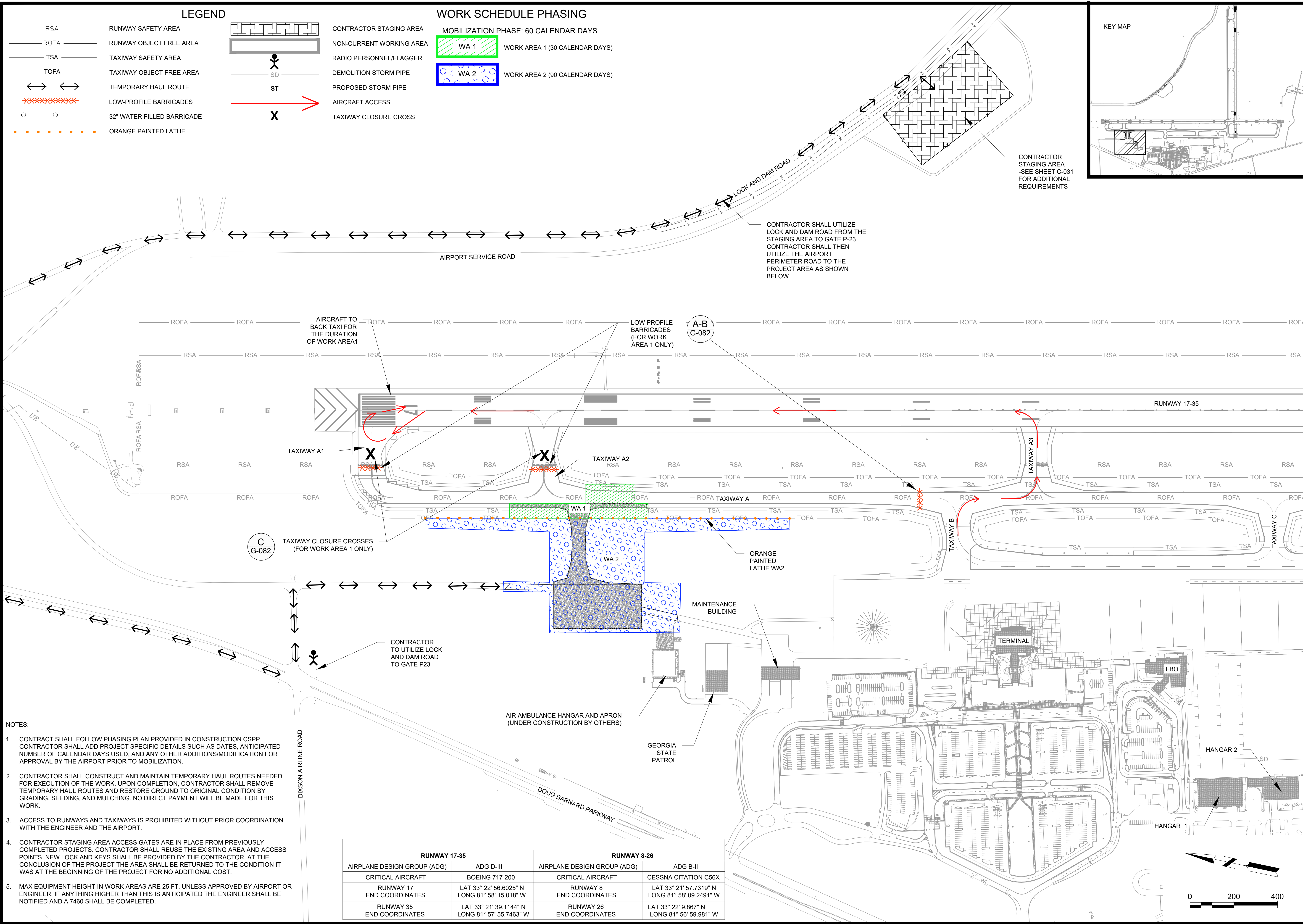
SHEET CONTENTS

CONSTRUCTION
SAFETY & PHASING
NOTES

SHEET NO.

G-072

X:\0119700\202061_01\TECH\DRAWINGS\G-084 CONSTRUCTION SAFETY & PHASING PLAN WA 2.DWG
12/13/2021 3:59:47 PM



NOTES:

- CONTRACT SHALL FOLLOW PHASING PLAN PROVIDED IN CONSTRUCTION CSPP. CONTRACTOR SHALL ADD PROJECT SPECIFIC DETAILS SUCH AS DATES, ANTICIPATED NUMBER OF CALENDAR DAYS USED, AND ANY OTHER ADDITIONS/MODIFICATION FOR APPROVAL BY THE AIRPORT PRIOR TO MOBILIZATION.
- CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY HAUL ROUTES NEEDED FOR EXECUTION OF THE WORK. UPON COMPLETION, CONTRACTOR SHALL REMOVE TEMPORARY HAUL ROUTES AND RESTORE GROUND TO ORIGINAL CONDITION BY GRADING, SEEDING, AND MULCHING. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK.
- ACCESS TO RUNWAYS AND TAXIWAYS IS PROHIBITED WITHOUT PRIOR COORDINATION WITH THE ENGINEER AND THE AIRPORT.
- CONTRACTOR STAGING AREA ACCESS GATES ARE IN PLACE FROM PREVIOUSLY COMPLETED PROJECTS. CONTRACTOR SHALL REUSE THE EXISTING AREA AND ACCESS POINTS. NEW LOCK AND KEYS SHALL BE PROVIDED BY THE CONTRACTOR. AT THE CONCLUSION OF THE PROJECT THE AREA SHALL BE RETURNED TO THE CONDITION IT WAS AT THE BEGINNING OF THE PROJECT FOR NO ADDITIONAL COST.
- MAX EQUIPMENT HEIGHT IN WORK AREAS ARE 25 FT. UNLESS APPROVED BY AIRPORT OR ENGINEER. IF ANYTHING HIGHER THAN THIS IS ANTICIPATED THE ENGINEER SHALL BE NOTIFIED AND A 7460 SHALL BE COMPLETED.

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

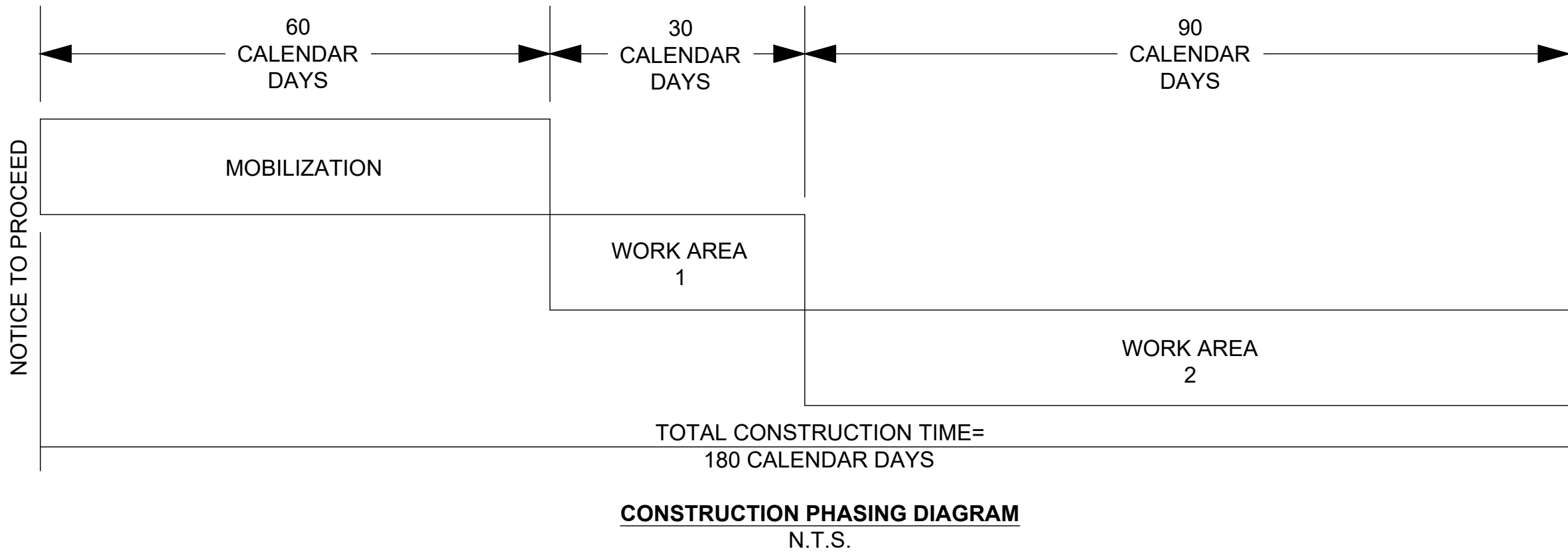
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NUH
DRAWN BY: NUH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CONSTRUCTION
SAFETY & PHASING
PLAN OVERALL

SHEET NO.

G-081

X:\0119700\202061_01\TECH\DRAWINGS\G-084 CONSTRUCTION SAFETY & PHASING PLAN WA 2.DWG
12/13/2021 3:59:48 PM



MOBILIZATION PHASE (60 CALENDAR DAYS):

THE MOBILIZATION PHASE SHALL BEGIN IMMEDIATELY AFTER THE NOTICE TO PROCEED IS ISSUED BY THE AIRPORT. DURING THIS PHASE OF THE PROJECT, NO WORK SHALL BE CONDUCTED THAT RESTRICTS AIRPORT OPERATIONS UNLESS AUTHORIZED BY THE AIRPORT. NOTICE TO PROCEED WITH SUBSEQUENT SCHEDULES MAY BE GIVEN DURING MOBILIZATION AT THE AIRPORTS DISCRETION.

MOBILIZATION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- SUBMITTALS:
 - PROCESSING OF REQUIRED MATERIALS/EQUIPMENT SUBMITTALS AND THE CONTRACTOR'S PROPOSED WORK SCHEDULE, INCLUDING REQUESTED PAVEMENT CLOSURE DATES.
 - ALL PRE-QUALIFICATION TESTING, REVIEW, AND APPROVALS.
 - MATERIAL DELIVERY SCHEDULE. INCLUDING MATERIAL DELIVERY DATE TO JOB SITE OR TO THE CONTRACTOR'S YARD.
- DURING MOBILIZATION, THE CONTRACTOR SHALL BE ALLOWED TO PERFORM LAYOUT, LOCATES, STAKING, AND OTHER PREP WORK AS APPROVED BY THE AIRPORT.
- IT IS THE AIRPORT'S INTENT THAT ALL PRELIMINARY WORK BE COMPLETED DURING THE MOBILIZATION PHASE TO ENSURE CONSTRUCTION CAN BE PURSUED DILIGENTLY AND WITHOUT UNNECESSARY DELAY. (THE AIRPORT RESERVES THE RIGHT TO WAIVE CERTAIN ELEMENTS OF MOBILIZATION AND ISSUE A NOTICE TO PROCEED WITH CONSTRUCTION AT ITS DISCRETION OR UPON THE CONTRACTOR'S REQUEST.) SCHEDULE DATES SHALL NOT BE CHANGED, ONCE ESTABLISHED, UNLESS COORDINATION WITH THE CA TEAM AND FINAL APPROVAL OF THE AIRPORT.

GENERAL NOTES:

- GENERAL WORK SCOPE IS NOT ALL INCLUSIVE. REFER TO CONTRACT DRAWINGS FOR COMPLETE SCOPE OF WORK FOR EACH SCHEDULE.
- A MINIMUM OF 10 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO MOBILIZATION.
- A MINIMUM OF 15 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES UNRELATED TO MOBILIZATION.
- THE CONTRACTOR MUST SUBMIT A PRELIMINARY CONSTRUCTION CRITICAL PATH METHOD SCHEDULE 15 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING OUTLINING THE FOLLOWING: MOBILIZATION TIMELINE, LOCATION OF PROJECT ACTIVITIES WITH CORRESPONDING TIMELINES, ANTICIPATED BID ITEM MILESTONE AND COMPLETION DATES, AND KEY CONSTRUCTION OPERATION DATES WHICH MAY AFFECT AIRFIELD OPERATIONS OR ROADWAY TRAFFIC.
- HOURS OF AIR TRAFFIC CONTROL TOWER OPERATIONS ARE FROM 7:00AM TO 7:00PM LOCAL TIME.
- SEE SPECIAL PROVISIONS FOR DETAILS ON CONSTRUCTION LIMITATIONS. CLOSURE OF EXISTING AIRFIELD PAVEMENTS WILL BE ALLOWED ONLY ONCE THE FOLLOWING CONDITIONS ARE MET:
 - 48-HOUR ADVANCE NOTIFICATION, VERIFYING THAT A PREVIOUSLY APPROVED CLOSURE PERIOD WILL BE AS SCHEDULED.
 - A CLOSURE SCHEDULE FOR EACH AREA OF CONSTRUCTION HAS BEEN SUBMITTED TO THE ENGINEER FOR REVIEW AND HAS BEEN APPROVED. THESE SCHEDULES SHALL DETAIL TEMPORARY ACCESS ROUTES (IF APPLICABLE), SAFETY MEASURES, AND TIME LIMITS OF CLOSURE FOR EACH AREA. FAILURE TO OPEN AIRFIELD PAVEMENTS WITHIN THE APPROVED TIME LIMITS MAY RESULT IN LIQUIDATED DAMAGES.
- THE AUGUSTA AIRPORT EXPERIENCES HIGH TRAFFIC VOLUMES DURING THE MASTERS WEEK. THE BIDDER IS ADVISED THAT A TEMPORARY SUSPENSION OF WORK WILL OCCUR DURING THIS PERIOD OF TIME (4/3/22 - 4/10/22).
- ANY ADDITIONAL LOW-PROFILE BARRICADES (INCLUDING SUPPLEMENTARY LIGHTS) NEEDED FOR PROPER EXECUTION OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR.
- CONTRACTOR IS REQUIRED TO FOLLOW STATE, LOCAL, AND FEDERAL GUIDELINES REGARDING COVID.

AUGUSTA RICHMOND COUNTY GENERAL NOTES:

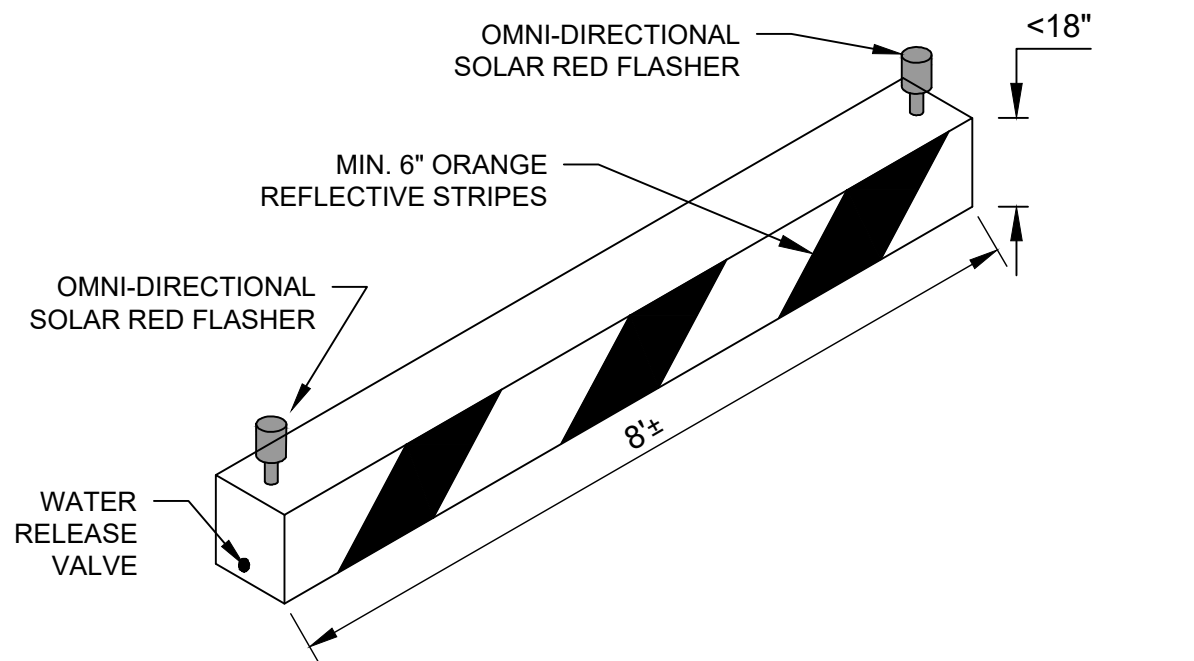
- ALL DRAINAGE EASEMENTS AND DISTURBED AREAS MUST BE GRASSED AND/OR RIP-RAPPED AS REQUIRED TO CONTROL EROSION.
- ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARDS AND SPECIFICATIONS.
- ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION IS COMPLETED.
- CONTRACTOR SHALL CONTACT THE INSPECTION DIVISION OF THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. THE PHONE NUMBER FOR THIS OFFICE IS (706) 821-1706.
- THE COST OF INSPECTION BY THE CITY OF AUGUSTA-RICHMOND COUNTY'S DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE INDIVIDUAL REQUESTING THE INSPECTION AT A RATE OF 1 ½ TIMES THE REGULAR SALARY PER HOUR OF THE INSPECTOR PLUS 7.65% FROM THE EMPLOYER'S FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE CITY ENGINEER 48-HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK REQUIRING INSPECTION OUTSIDE OF NORMAL WORKING HOURS, THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION WILL BE BILLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR PAYMENT.
- A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE DEPARTMENT OF PUBLIC WORKS AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.

REQUIREMENTS FOR AIRPORT SECURITY, SAFETY AND CONTRACTOR OPERATIONS:

- ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE SPECIFICATION GENERAL PROVISIONS, SAFETY, AIRPORT SECURITY, AND OPERATING REGULATIONS AND THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP).
- CONTRACTOR SHALL NOT ENTER ANY ACTIVE SAFETY AREAS OR OBJECT FREE AREAS WITHOUT AUTHORIZATION FROM THE AIRPORT.
- A RUNWAY SAFETY AREA (RSA) AND OBSTACLE FREE ZONE (OFZ) EXISTS AROUND EACH RUNWAY WHICH LIMITS CONSTRUCTION ACTIVITIES ADJACENT TO OPERATIONAL RUNWAYS. CONSTRUCTION PERSONNEL AND EQUIPMENT SHALL NOT CROSS RSAs OR OFZs WITHOUT AIRPORT AUTHORIZATION.
- THE RUNWAY 17-35 SAFETY AREA (RSA) IS 250-FEET EACH SIDE OF THE RUNWAY CENTERLINE AND 1000 FEET BEYOND THE RUNWAY ENDS. THE RUNWAY 8-26 SAFETY AREA (RSA) IS 75-FEET EACH AND 300 FEET OFF EACH SIDE OF THE RUNWAY CENTERLINE. IT SHALL REMAIN CLEAR OF PERSONNEL, MATERIAL AND EQUIPMENT AT ALL TIMES.
- THE RUNWAY 17-35 OBSTACLE FREE ZONE (OFZ) IS 200-FEET EACH SIDE OF CENTERLINE AND 200-FEET BEYOND THE RUNWAY ENDS. THE RUNWAY 8-26 OBSTACLE FREE ZONE (OFZ) IS 125-FEET EACH SIDE OF CENTERLINE AND 200-FEET BEYOND THE RUNWAY ENDS. IT SHALL REMAIN CLEAR OF PERSONNEL, MATERIALS, AND EQUIPMENT AT ALL TIMES.
- IN TRANSITIONS FROM PAVED TO UNPAVED AREAS, A TEMPORARY 3 INCH MAXIMUM VERTICAL DROP IS ALLOWED.
- DAILY SAFETY INSPECTIONS SHALL BE PERFORMED AS REQUIRED IN THE CSPP.

CONTRACTOR NOTES:

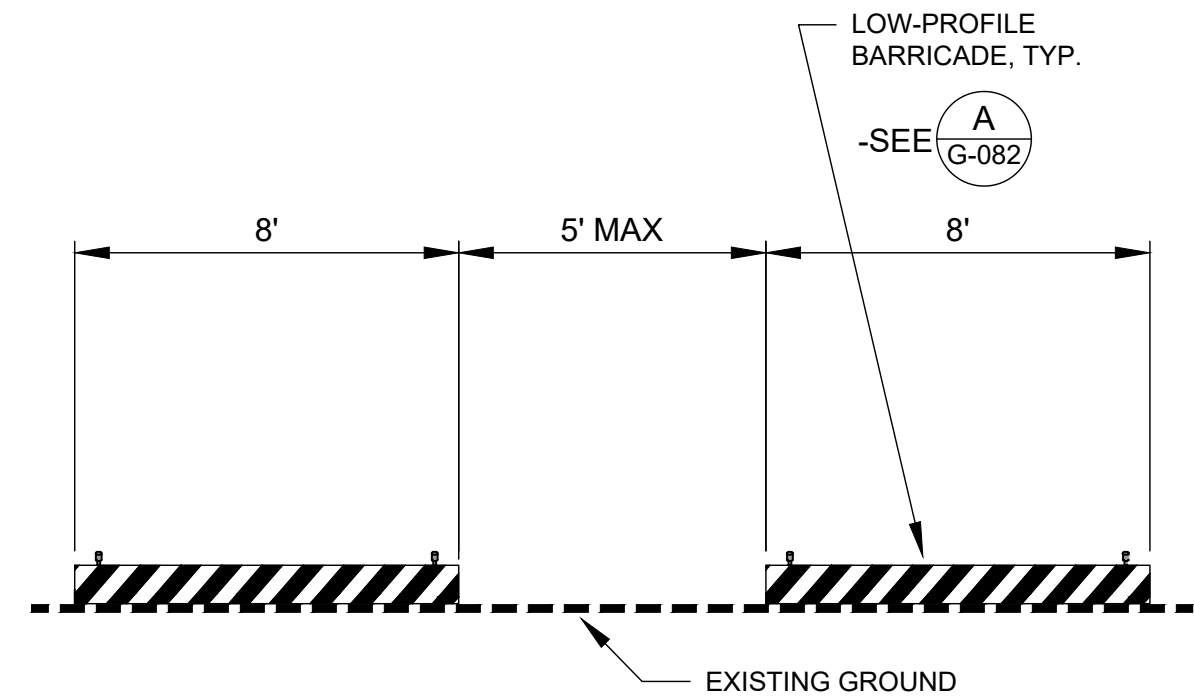
- THE CONTRACTOR SHALL DESIGNATE A PERSON ON CALL 24 HOURS A DAY, 7 DAYS A WEEK, FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES. THIS CONTACT INFORMATION MUST BE ON FILE WITH THE AIRPORT OPERATOR.



- NOTES:
- MAINTENANCE OF LOW-PROFILE BARRICADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
 - GAPS IN BARRICADES SHALL NOT EXCEED 5-FEET.

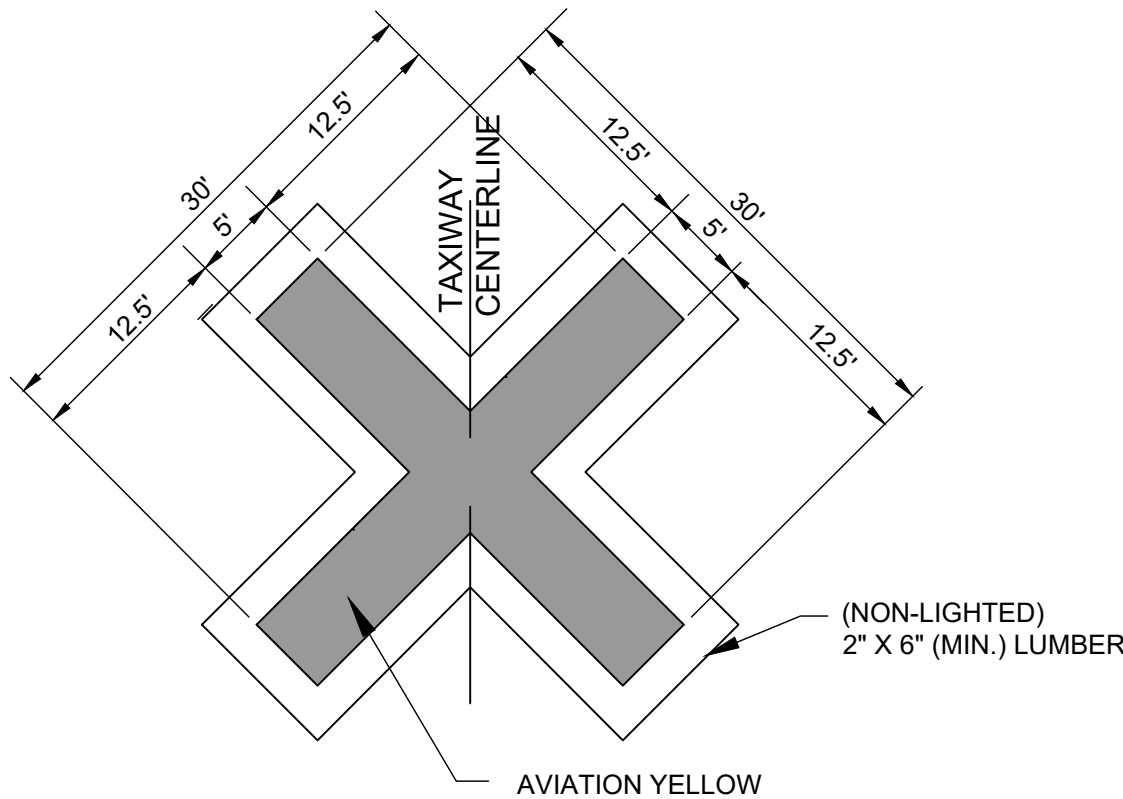
LOW-PROFILE
BARRICADE DETAIL
SCALE: NTS

A
G-082



LOW-PROFILE
BARRICADE LAYOUT DETAIL
SCALE: NTS

B
G-082



NOTES:

- TAXIWAY CLOSURE MARKERS SHALL BE PLACED AS DESIGNATED ON THE CONSTRUCTION SAFETY AND PHASING PLANS.
- TAXIWAY CLOSURE MARKERS WILL BE SUPPLIED AND MAINTAINED BY THE CONTRACTOR.
- CLOSURE MARKERS SHALL BE ADEQUATELY SECURED SO AS TO NOT BE AFFECTED BY WIND OR AIRCRAFT MOVEMENT.
- CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING TAXIWAY CLOSURE MARKERS FOR THE DURATION OF THE PROJECT AND REMOVING THE CROSSES UPON COMPLETION OF THE PROJECT OR OPENING OF THE ASSOCIATED TAXIWAY.

PORTABLE VINYL
CLOSED TAXIWAY MARKER
SCALE: NTS

C
G-082

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

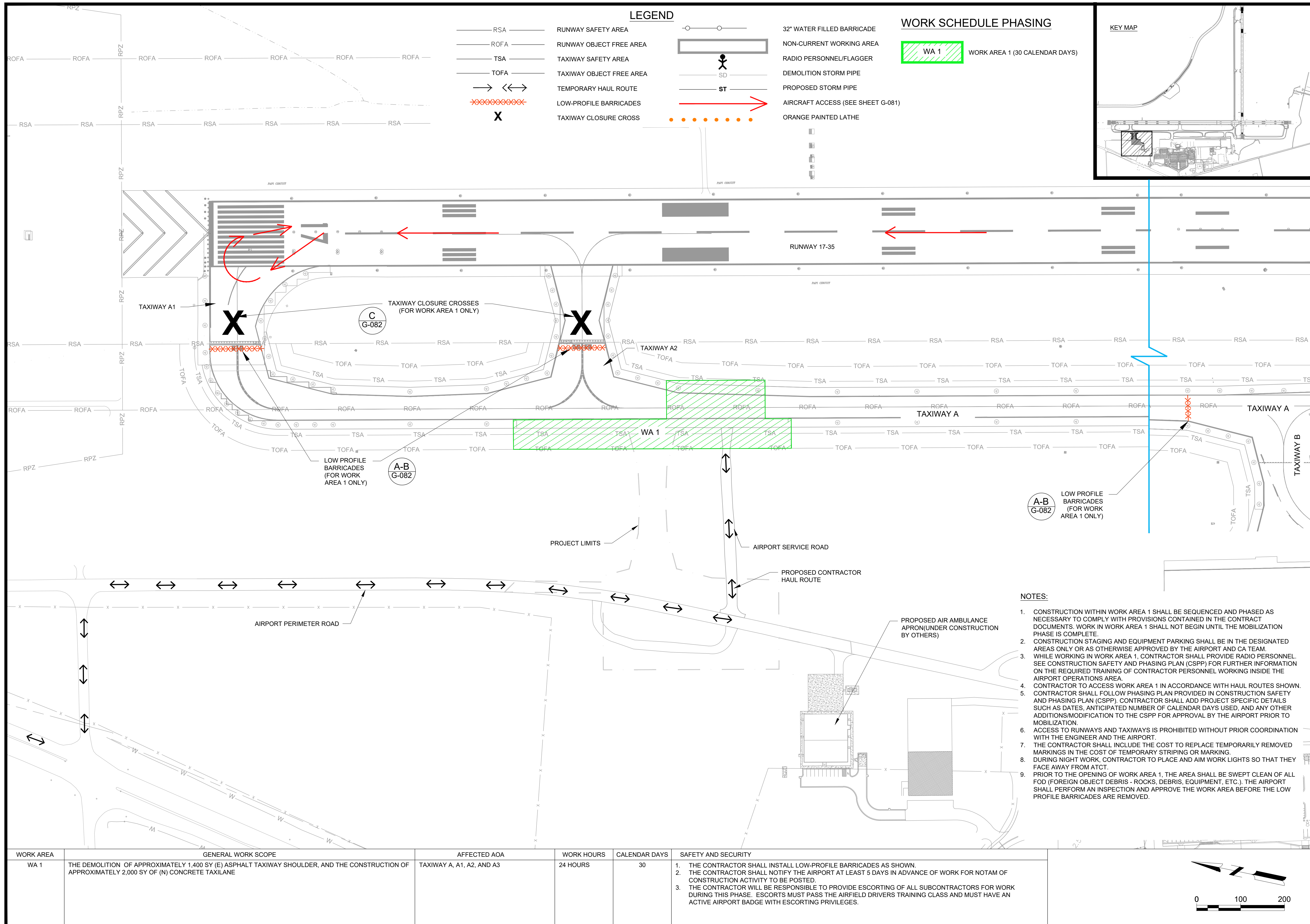
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS

CONSTRUCTION
SAFETY & PHASING
PLAN WA MATRIX

SHEET NO.

G-082



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

ISSUED FOR BID

NOT FOR CONSTRUCTION

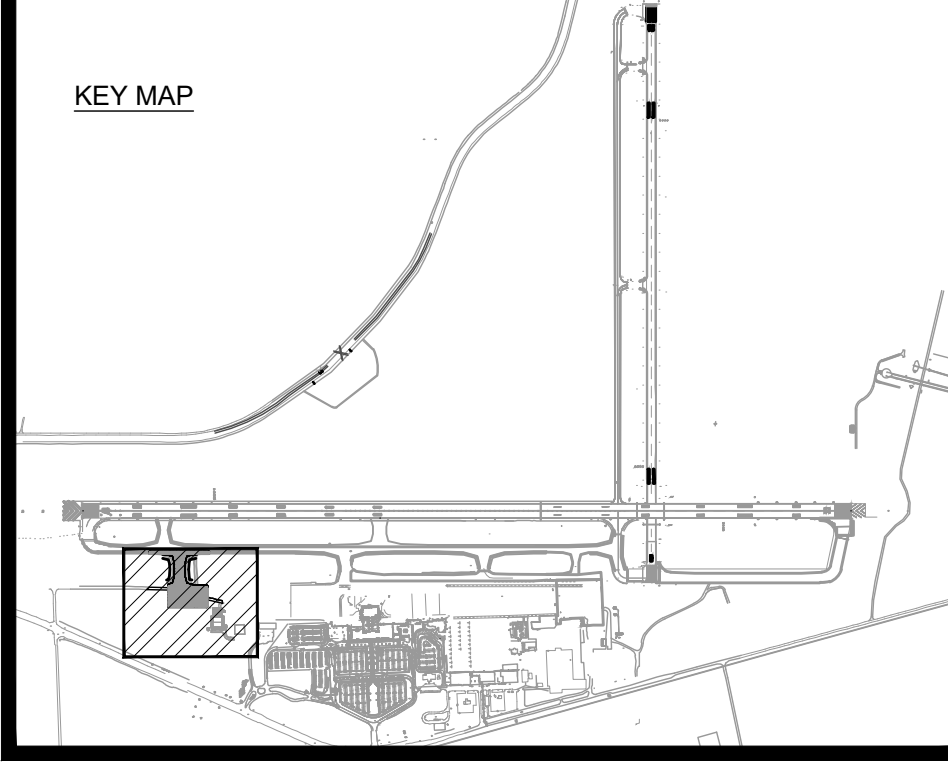
AIP NO.: 3-13-011-045-2020
M&H NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS

CONSTRUCTION
SAFETY & PHASING
PLAN WA 1

SHEET NO.

G-083



Augusta Regional Airport

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
M&H NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS

CONSTRUCTION
SAFETY & PHASING
PLAN WA 2

SHEET NO. _____

G-084

X:\019700\202061.01\TECHCAD\DRAWINGS\G-084 CONSTRUCTION SAFETY & PHASING PLAN WA 2.DWG
12/13/2021 4:00:09 PM

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-1
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
5'	Very Firm, Brown and Gray Clayey Silty Sand with Gravel	28 @ 1'	SC	13.6%
	Stiff, Brownish-Tan Sandy Clayey Silt (Moist)	9 @ 3.5'	ML	
		32 @ 6'		
10'	Hard to Very Stiff, Reddish-Brown, Tan, and Gray Sandy Clayey Silt	26 @ 8.5'	ML	
15'	Very Firm, Reddish-Tan Silty Sand	22 @ 13.5'	SM	
20'	Firm, Tan and White Silty Sand	11 @ 18.5'	SM	
	Boring Terminated at 20 feet. Upper 2" is Gravel.			
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-2
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Milled Asphalt with Gravel	18 @ 1'		12.4%
5'	Very Firm, Reddish-Brown Clayey Sand	22 @ 3.5'	SC	
		23 @ 6'		
10'	Firm, Reddish-Tan Silty Sand	14 @ 8.5'	SM	
15'	Very Firm, Tan Silty Sand	21 @ 13.5'	SM	
20'	Firm, Reddish-Tan and Gray Silty Sand	13 @ 18.5'	SM	
	Boring Terminated at 20 feet.			
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-3
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Milled Asphalt with Gravel	Spoon Refusal @ 1'		16.3%
5'	Very Stiff, Reddish-Brown Sandy Clayey Silt	17 @ 3.5'	ML	
		25 @ 6'		
10'	Firm, Reddish-Brown and Tan Silty Sand	13 @ 8.5'	SM	
	Boring Terminated at 10 feet.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-4
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Milled Asphalt with Gravel	Spoon Refusal @ 1'		12.4%
5'	Very Stiff, Reddish-Brown Sandy Clayey Silt	17 @ 3.5'	ML	
	Firm, Tan and Red Silty Sand	13 @ 6'		
10'	Boring Terminated at 10 feet.	12 @ 8.5'	SM	
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-5
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Firm, Brownish-Tan Clayey Sand	12 @ 1'	SC	17.6%
5'	Very Stiff, Reddish-Brown Sandy Clayey Silt	21 @ 3.5'	ML	
	Dense, Reddish-Brown and Tan Clayey Silty Sand	34 @ 6'	SC	
10'	Firm, Reddish-Tan Slightly Clayey Silty Sand	19 @ 8.5'	SM	
	Boring Terminated at 10 feet. Upper 2" is Brownish-Tan Clayey Sand with Gravel.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-6
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
	Dense, Brown and Tan Very Clayey Sand	32 @ 1'	SC	11.1%
5'	Very Stiff to Hard, Reddish-Brown Sandy Clayey Silt	23 @ 3.5'	ML	
		36 @ 6'		
10'	Firm, Reddish-Tan Clayey Silty Sand	16 @ 8.5'	SC	
	Boring Terminated at 10 feet. Upper 4" is Brown and Tan Very Clayey Sand with Gravel.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

X:\0119700\202061_01\TECH\CAD\DRAWINGS\B-052 BORING LOGS.DWG
12/13/2021 4:01:10 PM

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-7
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
5'	Very Loose to Loose, Brown and Red Silty Sand	3 @ 1'	SM	11.1%
		7 @ 3.5'		
	Very Stiff, Reddish-Brown Sandy Clayey Silt	23 @ 6'	ML	
10'	Firm, Reddish-Tan Silty Sand	19 @ 8.5'	SM	
	Boring Terminated at 10 feet. Upper 6" is Brownish-Tan Silty Sand.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-8
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
5'	Firm, Dark Brown and Black Silty Sand	15 @ 1'	SM	20.5%
	Loose, Tan and Brown Clayey Sand (Moist)	5 @ 3.5'	SC	
	Stiff, Tan, Red, and Gray Sandy Silty Clay	12 @ 6'	ML	
10'	Dense, Tan, Gray, and Brown Slightly Clayey Silty Sand	38 @ 8.5'	SM	
	Boring Terminated at 10 feet. Upper 8" is Brownish-Tan Silty Sand.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-9
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
5'	Loose, Brown Silty Sand	6 @ 1'	SM	14.9%
	Firm to Very Stiff, Reddish-Brown Sandy Clayey Silt	27 @ 3.5'	ML	
		26 @ 6'		
10'	Very Firm, Reddish-Tan Slightly Clayey Silty Sand	22 @ 8.5'	SM	
	Boring Terminated at 10 feet.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

PROJECT AGS Hangar N1's Ramp and Taxilane BORING NO. B-10
LOCATION Augusta Regional Airport, Augusta, Georgia DATE November 3, 2020

DEPTH FEET	VISUAL SOIL DESCRIPTION	PENETRATION VALUE (N)	VISUAL UNIFIED CLASS.	PERCENT MOISTURE
5'	Brownish-Tan Silty Sand	13 @ 1'	SM	20.5%
	Stiff to Very Stiff, Reddish-Brown Sandy Clayey Silt	29 @ 3.5'	ML	
		27 @ 6'		
10'	Very Firm, Reddish-Tan Slightly Clayey Silty Sand	11 @ 8.5'	SM	
	Firm, Reddish-Tan Silty Sand Boring Terminated at 10 feet. Upper 8" is Brownish-Tan Silty Sand.			
15'				
20'				
25'				
30'				
35'				
40'				

N Value is number of blows of 140 pound hammer
required to drive 2" split-tube sampler one foot after seated.

NO WATER TABLE AT TIME OF BORING

You created this PDF from an application that is not licensed to print to novaPDF printer (<http://www.novapdf.com>)

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: XXX
DRAWN BY: NJH
CHECKED BY: XXX
DO NOT SCALE DRAWINGS

SHEET CONTENTS
BORING LOGS

SHEET NO.

B-053

GSWCC AND NPDES NOTES:

PROJECT NAME: HANGAR N1 RAMP & TAXILANE
ADDRESS: 1501 AVIATION WAY
CITY/COUNTY: AUGUSTA/RICHMOND ZIP CODE 30906
DATE ON PLANS: DECEMBER 3, 2021

☒ GAR 100001 STAND ALONE ☐ GAR 100002 INFRASTRUCTURE ☐ GAR 100003 COMMON DEVELOPMENTS

1. THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.

2. LEVEL II CERTIFICATION: NAME: MITCHELL B. MURCHISON NO# 46296 EXP. DATE: 11/01/2022

3. LIMITS OF DISTURBANCE IS LESS THAN 50 ACRES.

4. 24 HOUR CONTACT: TIM WEEGAR, ELIZABETH GILES
706-798-4049, 706-798-4041
TWEEGAR@AUGUSTAGA.GOV, EGILES@AUGUSTAGA.GOV
5. PRIMARY PERMITTEE: AUGUSTA REGIONAL AIRPORT
1501 AVIATION WAY
AUGUSTA, GA 30906-9620
706-798-3236
TWEEGAR@AUGUSTAGA.GOV

6. TOTAL DISTURBED ACREAGE OF THIS PROJECT: 6.84 ACRES
TOTAL PROJECT ACREAGE: 6.84 ACRES

7. CONSTRUCTION EXIT: N 1230433.37
E 174768393

8. THE INITIAL DATE ON PLANS IS DECEMBER 3, 2021, REVISIONS ARE TO BE RESUBMITTED TO THE LOCAL ISSUING AUTHORITY, THE ENTITY REQUESTING THE REVISIONS, THE DATE THE CHANGE WAS MADE, AND THE NATURE OF THE CHANGE WILL BE DENOTED IN THE DESIGNATED AREA ON THE PLAN SHEET.

9. NATURE OF CONSTRUCTION ACTIVITY: NEW TAXILANE AND AIRCRAFT PARKING APRON AT AUGUSTA REGIONAL AIRPORT.

10. VICINITY MAP IS PROVIDED ON SHEET C-022 (MONITORING PLAN & SOILS MAP).

11. PROJECT RECEIVING WATERS: TWEEGAR@AUGUSTAGA.GOV
RECEIVING: TWEEGAR@AUGUSTAGA.GOV
ULTIMATE: SAVANNAH RIVER

12. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

LEVEL II CERTIFICATION: NAME: MITCHELL B. MURCHISON NO# 46296 EXP. DATE: 11/01/2022

13. "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. 100001."

LEVEL II CERTIFICATION: NAME: MITCHELL B. MURCHISON NO# 46296 EXP. DATE: 11/01/2022

14. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPs HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

16. THERE ARE NO BUFFER ENCROACHMENTS ON THIS PROJECT. IF YES, REFER TO SHEET(S) N/A FOR BUFFER DESCRIPTIONS.

17. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

20. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14-DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.

22. ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT, INCLUDING THE COMPLETED APPENDIX 1 LISTING ALL THE BMPs THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT. THIS DOES APPLY TO THIS PROJECT.

23. A TMDL IMPLEMENTATION PLAN FOR SEDIMENT IS NOT IMPLEMENTED.

24. BMPs FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

TOOLS
BMPs FOR CONCRETE WASHDOWN OF THE FOLLOWING:
ALL CONCRETE WASH WATER THAT RESULTS FROM THE WASHDOWN OF TOOLS USED FOR CONCRETE WORK SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHDOWN AREA. DETAIL ON SHEET C-032.

CONCRETE MIXER CHUTES
ALL CONCRETE WASH WATER THAT RESULTS FROM THE RINSING OUT OF CONCRETE MIXER CHUTES SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

HOPPERS
ALL CONCRETE WASH WATER THAT RESULTS FROM RINSING OUT OF CONCRETE HOPPERS SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

REAR OF VEHICLES
ALL CONCRETE WASH WATER THAT RESULTS FROM RINSING OUT OF CONCRETE TRUCKS SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

25. BMPs FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS:
LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO ALL ON-SITE PERSONNEL.

MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDE, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL STATE, AND FEDERAL REGULATIONS.

FOR SPILLS THAT IMPACT SURFACE WATER (I.E. LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-426-2675.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-426-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD) WILL BE CONTACTED WITHIN 24-HOURS. GA. EPD (404)-656-4863 OR (800)-241-4113 AND THE NATIONAL RESPONSE CENTER AT (800)-424-8802

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. IN SUCH A CASE, THE

CONTRACTOR WILL NEED A SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

26. DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED:

MEASURES INCLUDE A COMBINATION OF VEGETATED SWALES AND NATURAL DEPRESSIONS FOR FLOW ATTENUATION, LANDSCAPED AND TURT AREAS, AND IMPERVIOUS SURFACES THAT WILL REDUCE SOIL AND SEDIMENT RUNOFF. THESE MEASURES WILL ENSURE THAT THE NATURAL, PHYSICAL, AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS OF THE WATER COURSE ARE MAINTAINED AND PROTECTED

27. PRACTICES TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE:

PETROLEUM BASED PRODUCTS
CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/ MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS / FINISHES / SOLVENTS
ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT WITH CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FERTILIZER / HERBICIDES
THESE PRODUCTS SHALL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS
NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN ACCORDANCE WITH PROPER WASTE DISPOSAL PROCEDURES.

BUILDING MATERIALS, PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS SHALL BE COVERED WITH PLASTIC GREEN SHEETING OR TEMPORARY ROOFS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

28. DESCRIPTION OF PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES:

ADHERENCE TO ALL MEASURES SET FORTH IN NOTE 26 & NOTE 36 WILL REDUCE POLLUTANTS IN STORMWATER DISCHARGES.

29. SEE SHEET C-022 FOR DETAILED TIMELINE OF MAJOR CONSTRUCTION ACTIVITIES.

30. DETAILS ON COMPLETE REQUIREMENTS OF INSPECTIONS AND RECORD KEEPING BY PRIMARY PERMITTEE:

INSPECTIONS (NPDES GENERAL PERMIT NO. 100001, SEC. IV.D.4.)

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL, PROVIDED BY THE PRIMARY PERMITTEE, SHALL INSPECT:(a.) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (b.) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN THE DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IN AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (a) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (b) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (c) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL METHODS ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.a.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE, OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.a.(5) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORTS SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION,

SEDIMENTATION & POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

31. DETAILS ON COMPLETE REQUIREMENTS OF SAMPLING FREQUENCY AND REPORTING OF SAMPLING RESULTS:

SAMPLING FREQUENCY (NPDES GENERAL PERMIT NO.100001 , SEC. IV.D.6.a.)

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MOST-STORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE POSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS: (a). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS * (MONDAY THROUGH FRIDAY, 8:00 A.M. TO 5:00 P.M., AND SATURDAY, 8:00 A.M. TO 5:00 P.M., EXCLUDING ALL NON- WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION; (b). IN ADDITION TO (a) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS * THAT OCCURS EITHER 90-DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN MATERIALS STORAGE AREAS, THE PERMITTEE SHALL SUBMIT THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST; (c). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (a) AND (b) ABOVE, IF BMPs ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES 0.5 INCH DURING NORMAL BUSINESS HOURS * UNTIL THE SELECTED TURBIDITY STANDARD IS ACHIEVED OR UNTIL FURTHER ACTION IS REQUIRED. THE PERMITTEE SHALL DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED. *NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (a) AND (b) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

REPORTING (NPDES GENERAL PERMIT NO.100001 , SEC. IV.E.)

THE APPLICABLE PERMITTEE'S ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT. SUCH REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

(1). ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT THE CONSTRUCTION SITE. THE PERMITTEE SHALL BE RESPONSIBLE FOR CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
(2). ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION: (a). THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS; (b). THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS; (c). THE DATE(S) ANALYSES WERE PERFORMED; (d). THE TIME(S) ANALYSES WERE INITIATED; (e). THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES; (f). REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND (g). THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS. (h). RESULTS WHICH EXCEED 1,000 NTU SHALL BE REPORTED AS "EXCEEDS 1,000 NTU".

32. DETAILS ON COMPLETE REQUIREMENTS OF RETENTION OF RECORDS BY PRIMARY PERMITTEE:

RETENTION OF RECORDS (NPDES GENERAL PERMIT NO.100001 , SEC. IV.F.)

(1). THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI: (a). A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; (b). A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT; (c). THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT; (d). A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT; (e). A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.a. OF THIS PERMIT; (f). A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART II.D.2. OF THIS PERMIT; AND (g). DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(1)(c) OF THIS PERMIT.
(2). COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THE NPDES PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33. DETAILS ON COMPLETE REQUIREMENTS OF SAMPLING ANALYTICAL METHODS BY PRIMARY PERMITTEE:

SAMPLE TYPE (NPDES GENERAL PERMIT NO.100001 , SEC. IV.D.6.b.)

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING" (NPDES DOCUMENT, EPA 833-B-92-001", AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD. ANALYTICAL METHODS USED FOR THE COLLECTION AND ANALYSIS OF SAMPLES FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL USE, AT A MINIMUM, THE GUIDELINES SET FORTH IN PART IV.D.6.a. AND PART IV.D.6.b. OF THIS PERMIT.

SAMPLE TYPE (NPDES GENERAL PERMIT NO.100001 , SEC. IV.D.6.c.)

FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.c.(2) OF THIS PERMIT, PRIMARY PERMITTEES ON AN INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE RECEIVING WATER(S) OR OUTFALLS, OR A COMBINATION THEREOF. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR OF THE STORM WATER OUTFALLS USING THE MINIMUM GUIDELINES SET FORTH IN PART IV.D.6.c.(1). OF THIS PERMIT. RECEIVING WATER(S) MUST HAVE AN UPSTREAM AND A DOWNSTREAM SAMPLE LOCATION.

34. "APPENDIX B" RATIONALE FOR OUTFALL SAMPLING POINTS:

SAMPLING REQUIREMENTS (NPDES GENERAL PERMIT NO.100001 , SEC. IV.D.6.a.(3)).

WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OF THE OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES).

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION(S). A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES (BMPs) HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDON RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE THAT WAS SELECTED FROM "APPENDIX B" IN THE NPDES GENERAL PERMIT NO. 100001.

THE SELECTED NTU VALUE OF 75 IS BASED UPON THE CONSTRUCTION SITE ACREAGE OF 6.84 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA APPROXIMATELY 0.16 SQUARE MILES.

35. SAMPLING LOCATIONS, PERENNIAL STREAMS, INTERMITTENT STREAMS, AND OTHER BODIES OF WATER INTO WHICH STORM WATER IS DISCHARGED CAN BE FOUND ON SHEET C-022.

36. FOR PHASED EROSION AND SEDIMENTATION CONTROL PLANS (I.E. INITIAL PHASE, INTERMEDIATE PHASE, AND FINAL PHASE) SHOWING THE LOCATION OF BEST MANAGEMENT PRACTICES (BMPs) THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA, CURRENT EDITION, USING UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND, REFER TO SHEET(S) C-025,C-026 ,C-027, & C-031-C-032.

DESCRIPTION OF THE APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH PHASE OF EROSION AND SEDIMENT CONTROL:

INITIAL PHASE

CONSTRUCTION EXITS (Co) TO PREVENT THE TRACKING OR FLOW OF MUD ONTO ADJACENT ROADS AND DRIVES; CHECK DAM HAY BALES (Cd-Hb) TO REDUCE VELOCITY AND FILTER SEDIMENT; DUST CONTROL ON DISTURBED AREAS (Du); DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING (Ds2).

INTERMEDIATE PHASE

INSTALL SILT FENCE TYPE-"C" (Sd1-NS) FOR PERIMETER CONTROL; MAINTAIN SILT FENCE TYPE-"C" (Sd1-NS) FOR PERIMETER CONTROL; DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING (Ds3); AND DISTURBED AREA STABILIZATION WITH SOD (Ds4). REMOVAL OF ALL BMP DEVICES ONCE THE SITE IS FULLY STABILIZED.

FINAL

MAINTAIN OUTLET PROTECTION (St) AND FILTER RING (Fr) AT EXISTING INLETS; MAINTAIN SILT FENCE TYPE-"C" (Sd1-NS) FOR PERIMETER CONTROL; DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING (Ds3); AND DISTURBED AREA STABILIZATION WITH SOD (Ds4). REMOVAL OF ALL BMP DEVICES ONCE THE SITE IS FULLY STABILIZED.

A DESCRIPTION OF APPROPRIATE EROSION CONTROL MEASURES TO BE IMPLEMENTED:

GENERAL IMPLEMENTATION:

1.1. ALL DISTURBED AREAS SHALL HAVE EROSION CONTROL PROVIDED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION.

1.2. ALL EROSION CONTROL MEASURES SHALL COMPLY WITH THE STATE OF GEORGIA SOIL AND WATER CONSERVATION COMMISSION MANUAL FOR EROSION AND SEDIMENT CONTROL IN THE STATE OF GEORGIA, CURRENT EDITION.

1.3. FULL COORDINATION SHALL BE MAINTAINED BETWEEN THE CONTRACTOR, DESIGN PROFESSIONAL, AND THE REGULATORY INSPECTOR REGARDING PROJECT SEQUENCE.

1.4. THE NOTATION AS SHOWN ON THE EROSION CONTROL PLAN SHEET(S) AND ON THE EROSION CONTROL DETAIL SHEET FOR THE EROSION AND SEDIMENT CONTROL, BEST MANAGEMENT PRACTICES, REFERS TO THE GEORGIA UNIFORM CODING SYSTEM AS DETAILED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION.

1.5. GENERAL STATEMENT OF DESIGNED EROSION CONTROL SYSTEM:

(a). NO SURFACE WATER FLOWS FROM DISTURBED AREA TO BE ALLOWED INTO THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED BY AN EFFECTIVE SEDIMENT ENTRAPMENT DEVICE.
(b). SEDIMENT ENTRAPMENT DEVICES ARE TO BE MAINTAINED AT ALL POINTS WHERE SURFACE FLOWS FROM DISTURBED AREAS CAN LEAVE THE SITE. FLOWS ARE TO BE DIRECTED TO ENTRAPMENT DEVICES THROUGHOUT CONSTRUCTION ACTIVITIES.

1.6. EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES ON-SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. EROSION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF EACH WORKING DAY AND AFTER EACH STORM EVENT TO ENSURE THAT ALL MEASURES ARE FUNCTIONING PROPERLY. ANY REPAIRS SHALL BE MADE BY THE CONTRACTOR.

1.7. IN ADDITION TO THE NOTE ABOVE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN EVENT, AND REPAIRED AS NECESSARY THESE INSPECTIONS SHALL BE DOCUMENTED WITH COPIES SENT TO THE OWNER.

1.8. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE ON SITE. SILT BARRIER TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR OWNER. CLIENT.

1.9. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

1.10. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (I.E. SILT FENCE, SEDIMENT TRAPS, ETC...) AND TREE PROTECTION FENCING ONCE PERMANENT VEGETATION IS ESTABLISHED.

1.11. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND FOR CLEARING ANY DEBRIS AND SEDIMENT THAT IS CAUSED BY CONSTRUCTION ACTIVITIES.

1.12. ALL DISTURBED AREAS SHALL BEST BE STABILIZED AS REQUIRED BY THESE PLANS BY THE SITEWORK CONTRACTOR AS SOON AS CONSTRUCTION PHASES PERMIT.

1.13. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24-HOURS OF SEEDING.

1.14. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER (Ds1). ON SLOPES 4:1 OR STEEPER, MULCH WILL BE ANCHORED.

1.

GSWCC AND NPDES NOTES (CONTINUED):

36. A DESCRIPTION OF APPROPRIATE EROSION CONTROL MEASURES TO BE IMPLEMENTED (CONTINUED):

- INITIAL PHASE:
- ALL STAGING AREAS, MATERIAL STORAGE AREAS, CONCRETE WASH-OUT AREAS, SHALL BE LOCATED AT SETBACK DISTANCES FROM DESIGNATED TREE PROTECTION AREAS AND/OR STREAM BUFFERS AS REQUIRED BY LOCAL AND STATE REGULATIONS.
 - A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES, POST ON DAY ONE.
 - PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DELINEATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
 - PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT (CO) SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY AS SHOWN ON THE PLANS.
 - IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE OF THE EROSION CONTROL PLAN.
 - SILT FENCE OR APPROVED EQUAL SHALL BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA OR AS SHOWN ON THE PLAN. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES HALF THE HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
 - INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN.
 - TREE PROTECTION FENCING AND STREAM BUFFER LIMITS SHOULD BE INSTALLED PRIOR TO THE START F ANY LAND DISTURBING ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
 - AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL WITHIN 7 DAYS AFTER INSTALLATION. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION WITH CONSULTATION WITH THE DESIGN PROFESSIONAL.
 - AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT STORAGE DEVICES AS SHOWN ON THE INITIAL PHASE PLAN TO CONTROL EROSION AND STORMWATER RUNOFF.
 - INITIAL PHASE BMPs UTILIZED IN THIS PLAN(S) ARE AS FOLLOWS:
CO, CD-HB, DU, DS2

INTERMEDIATE PHASE:

- MAINTAIN PREVIOUSLY INSTALLED BMPs.
- SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT/EROSION PROTECTION IS ESTABLISHED.
- GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION AND SEDIMENTATION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
- THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES HALF THE HEIGHT OF THE BARRIER.
- SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS.
- AFTER PRELIMINARY CLEARING AND GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT ENTRAPMENT DEVICES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE DEVICES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT WHEN IT REACHES THE CLEAN-OUT ELEVATION SHOWN ON THE PLANS.
- SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED WEEKLY AND AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF OF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
- INTERMEDIATE PHASE BMPs UTILIZED ON THIS PLAN(S) ARE AS FOLLOWS:
CD-HB, FR, SD1-NS, ST, DU, DS2

FINAL PHASE:

- THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT DEVICES AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF EACH DEVICE WHEN IT REACHES THE REQUIRED CLEAN-OUT ELEVATION SHOWN ON THE PLANS.
- AFTER CURBING AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON THE EXISTING INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION.
- FINAL STABILIZATION OF PERMANENT GRASS MUST MEET 100% COVERAGE, 70% DENSITY RULE.
- FINAL PHASE BMPs UTILIZED ON THIS PLAN(S) ARE AS FOLLOWS:
DS3, DS4, WATER QUALITY FEATURE
- GRAPHIC SCALE AND NORTH ARROW PROVIDED ON PLAN SHEETS C-025,C-026 & C-027.
- THE CONTOUR INTERVAL ON PLAN SHEETS C-025,C-026 & C-027 IS 1'.
- ARE ALTERNATE BMPs TO BE USED ON THIS PROJECT: YES
- IF ALTERNATE BMPs ARE USED, THE USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA LATEST EDITION. SEE CALC SHEET C-025 (KEY MAP)
- THE DELINEATION OF THE APPLICABLE 25-FOOT OR 50-FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND ANY ADDITIONAL BUFFERS REQUIRED BY THE LOCAL ISSUING AUTHORITY CAN BE FOUND ON PLAN SHEET(S) N/A.
- THE DELINEATION OF ALL ON-SITE WETLANDS AND ALL STATE WATERS LOCATED WITHIN 200 FEET OF THE PROJECT SITE, IF APPLICABLE, CAN BE FOUND ON PLAN SHEET(S) N/A.
- DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE CAN BE FOUND ON THE PLAN SHEET(S) C-023-C-024.
- HYDROLOGY STUDY AND MAPS OF DRAINAGE BASINS FOR BOTH THE PRE-DEVELOPED AND POST-DEVELOPED CONDITIONS ARE PROVIDED ON SHEET C-023 & C-024.
- ESTIMATE OF RUNOFF COEFFICIENT OF THE SITE PRIOR TO AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: PRE: 0.31 POST: 0.44
- STORM DRAIN PIPE AND WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION: STORM DRAIN PIPE Q, V, L, W, D, AND SIZE PROVIDED ON SHEET C-031 & H&H REPORT.
- SOIL SERIES FOR THE PROJECT SITE AND THEIR DELINEATION IS PROVIDED ON SHEET C-022.
- THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION IS PROVIDED ON PLAN SHEETS C-025,C-026 & C-027.
- SEE CALCULATIONS PROVIDED ON THIS SHEET FOR SEDIMENT STORAGE REQUIREMENTS.
- THE LOCATION OF BEST MANAGEMENT PRACTICES ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND ARE PROVIDED ON SHEETS C-025,C-026,C-027 & C-031-C-032.
- DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES ARE PROVIDED ON SHEET(S) C-031-C-032.

52. VEGETATIVE PRACTICES:

- SEPTEMBER 15 – FEBRUARY 15, A MIXTURE OF UNHULLED COMMON BERMUDA 6 LBS./ACRE AND RYE GRASS SEED 28 LBS./ACRE APPLIED SIMULTANEOUSLY.
- OCTOBER 1 – MARCH 1, UNHULLED COMMON BERMUDA 10 LBS./ACRE.
- APRIL 1 – JUNE 1, HULLED COMMON BERMUDA 10 LBS./ACRE.
- FERTILIZER GRADE WILL BE A COMMERCIAL 6-12-12 INCORPORATED INTO THE SOIL AT 1500 LBS./ACRE, ALSO 1500 LBS. DOLOMITIC LIME.
- NOT LESS THAN 30 DAYS AFTER SEEDING, APPLY AMMONIUM NITRATE (NOT LESS THAN 20% NITRATE) AT A RATE EQUAL TO 50 LBS. OF AVAILABLE NITROGEN /ACRE. APPLICATION BETWEEN JUNE THRU AUGUST.
- ALL SEEDED AREAS WILL BE MULCHED WITH STRAW OR HAY MULCH AT A RATE OF 2.5 TONS/ACRE.
- FOR ALL DATES NOT COVERED UNDER THE GRASSING SCHEDULE THE DISTURBED SOIL SHALL BE TEMPORARILY STABILIZED USING POLYACRYLAMIDE.
- CONTRACTOR TO ENSURE THAT EXISTING ON SITE VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION IS PRESERVED AND THAT ALL DISTURBED PORTIONS OF THE SITE ARE STABILIZED.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

STORMWATER CALCULATIONS:

- REQUIRED SEDIMENT STORAGE :
TOTAL AREA : 6.84 AC
DISTURBED AREA : 6.84 AC
SEDIMENT STORAGE REQUIRED : 87 CY x 6.84 AC = 458 CY
SEDIMENT STORAGE PROVIDED BY SD1-NS: 308 CY
SEDIMENT STORAGE PROVIDED BY CD-HB: 200 CY
- REQUIRED SEDIMENT STORAGE = 458 CY
(67 CY/ACRE x 6.84 ACRES DISTURBED AREA)
- TOTAL REQUIRED STORAGE = 458 CY
- AVAILABLE STORAGE = 508 CY
- IS THE AVAILABLE STORAGE (508 CY) GREATER THAN STORAGE REQUIRED (458 CY)?
☒ YES ☐ NO

APPENDIX I ADDITIONAL BMPs

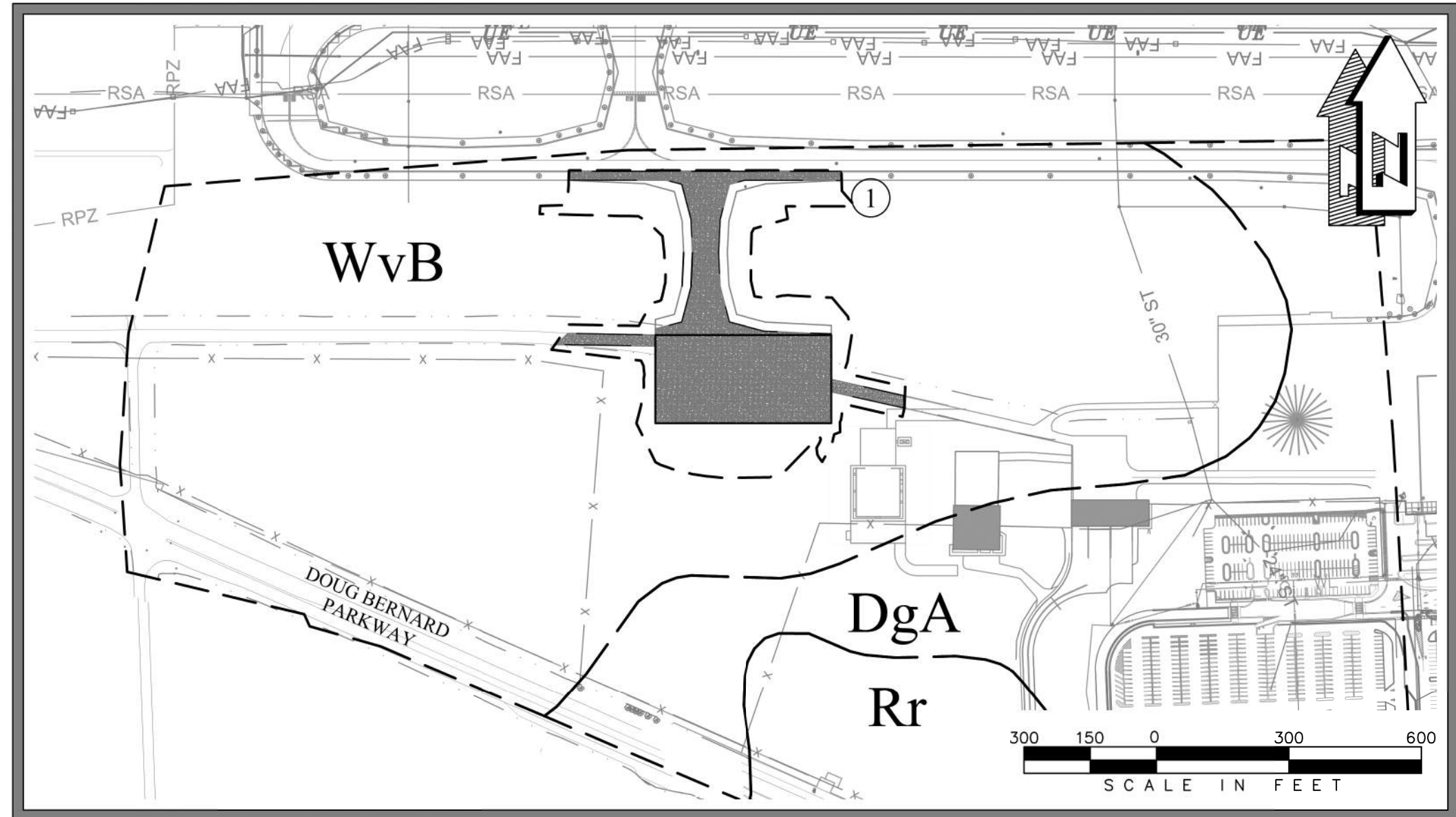
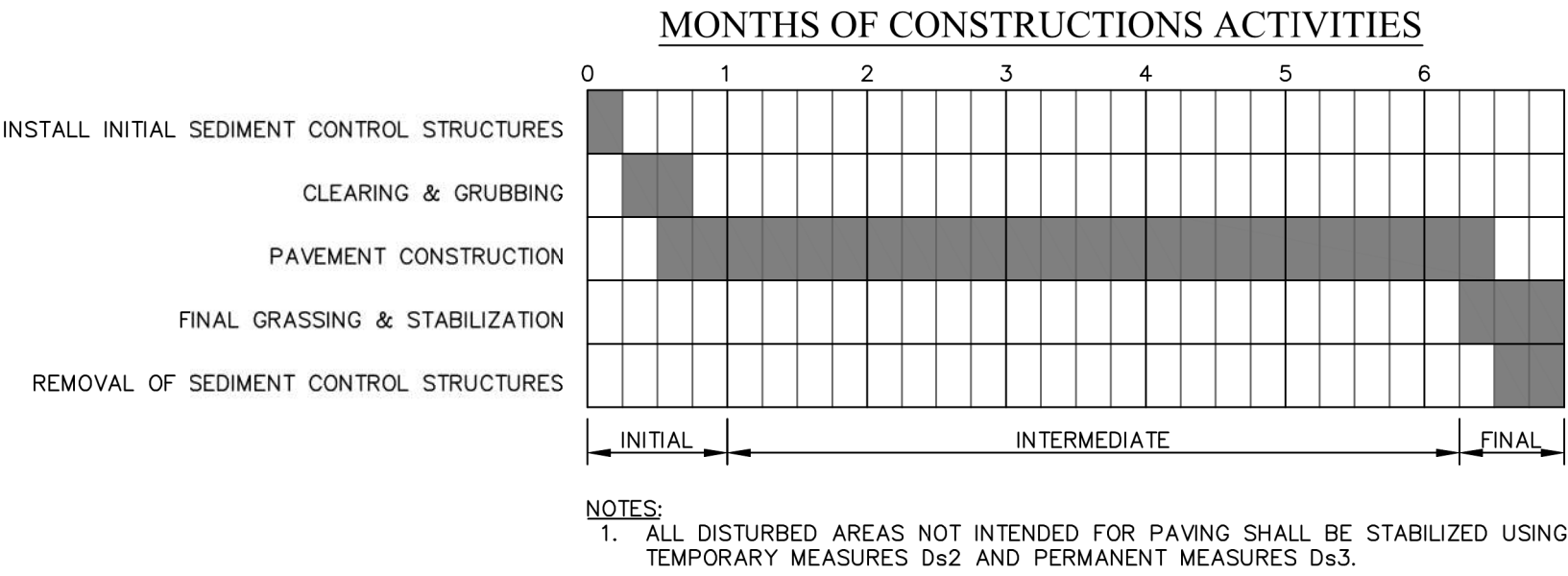
- A LARGE SIGN (MINIMUM 4 FEET X 8 FEET MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING (1) CINSTRUCTION SITE, (2) THE PERMITEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S), AND (THE PERMITEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTI NOT HAS BEEN SUBMITTED
- USE FLOCCULANTS OR COAGULANTS AND/OR MULCH TO STABILIZE AREAS LEFT UNDISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH SECTION III. D.1. OF THE NPDES PERMIT
- CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD RECOGNIZING THE EXCEPTIONS SPECIFIED IN SECTION IV.D.6.4 OF THE NPDES PERMITS
- CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE OF THE PROJECT BY THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN IN ACCORDANCE WITH SECTION IV.A.5 OF THE PERMIT

REQUIRED STATEMENT

THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTION DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE.

APPROXIMATE START DATE: JANUARY 1, 2022

APPROXIMATE FINISH DATE: JULY 1, 2022



MONITORING PLAN & SOILS MAP

MONITORING POINTS

MONITORING POINT LOCATIONS ARE SHOWN ABOVE:

- DOWNSTREAM DITCH OF PROJECT LIMITS

ISSUED



12/3/2021

ISSUE FOR BID

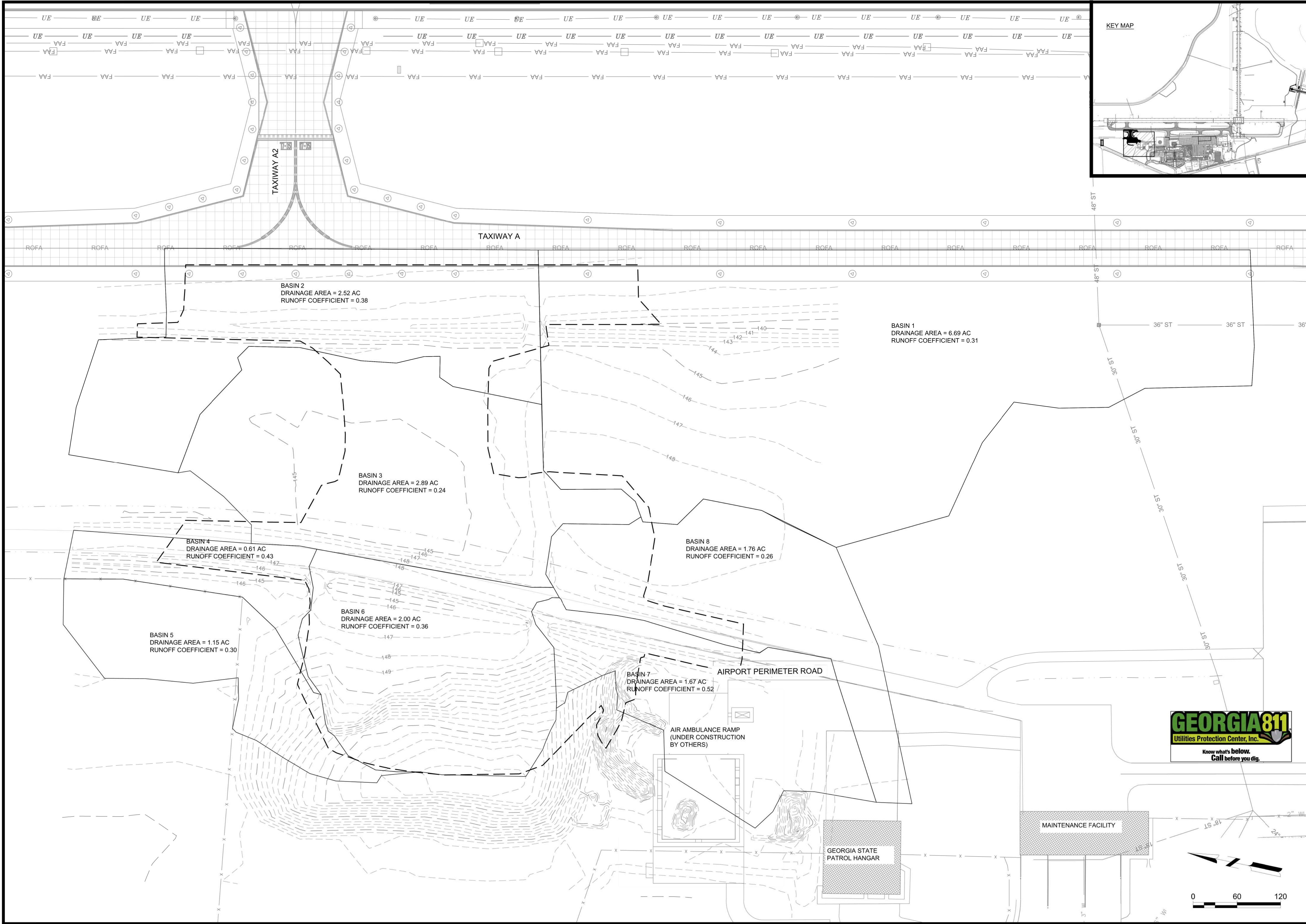
AIP NO: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ESPC NOTES

SHEET NO.

C-022

G:\AAA-ACTIVE JOBS\2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AA - DRAWINGS\CIVIL\2020-0350_ESPCD.DWG
12/2/2021 10:55:56 AM



Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

CRANSTON
ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and released from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGER N1 RAMP & TAXILANE**
1501 AVIATION WAY
AUGUSTA, GA 30906-9620

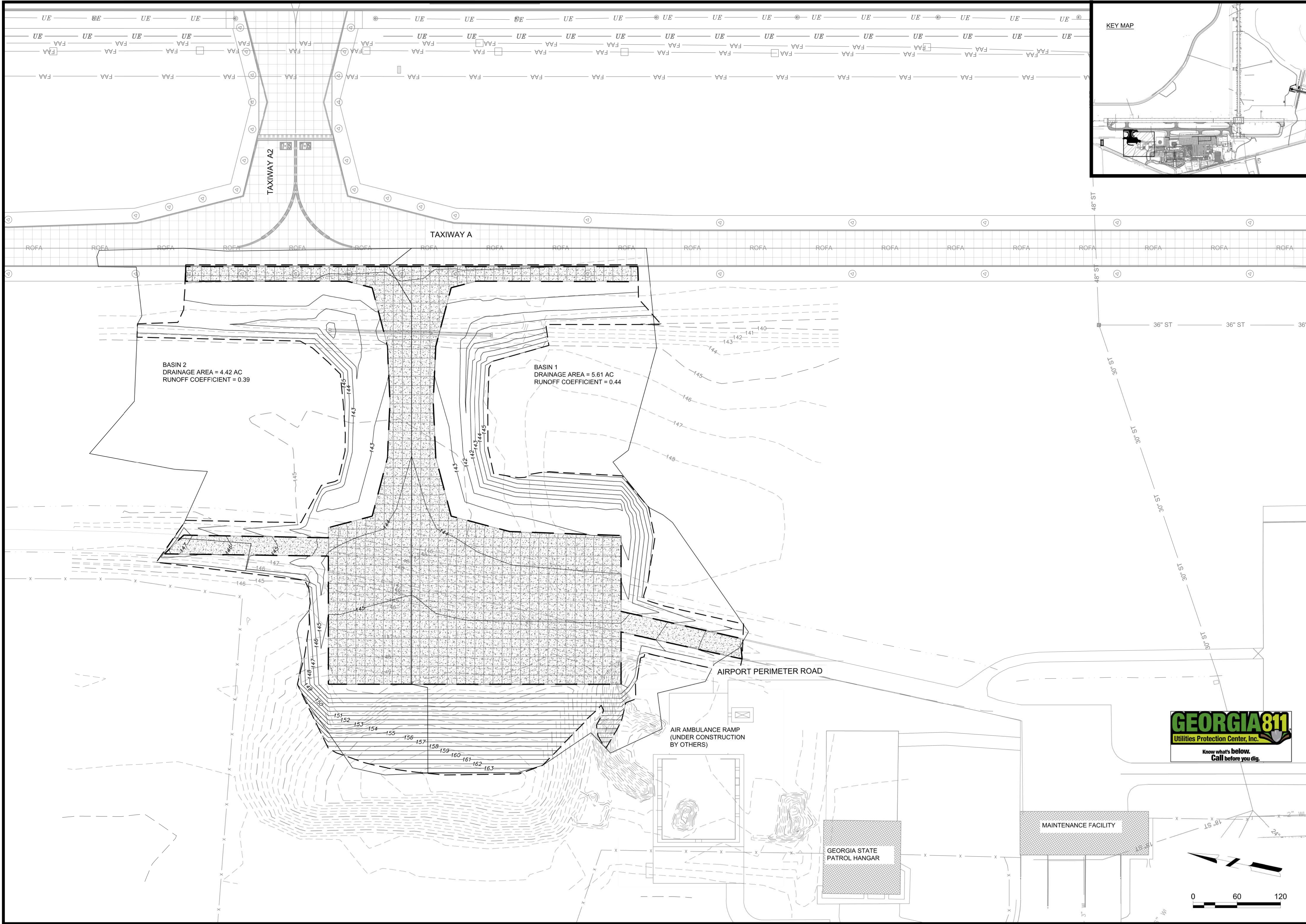
ISSUED
GEORGIA
REGISTERED
No. BE35685
PROFESSIONAL
ENGINEER
MITCHELL B. MURCHISON
12/3/2021

ISSUE FOR BID
AIP NO: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

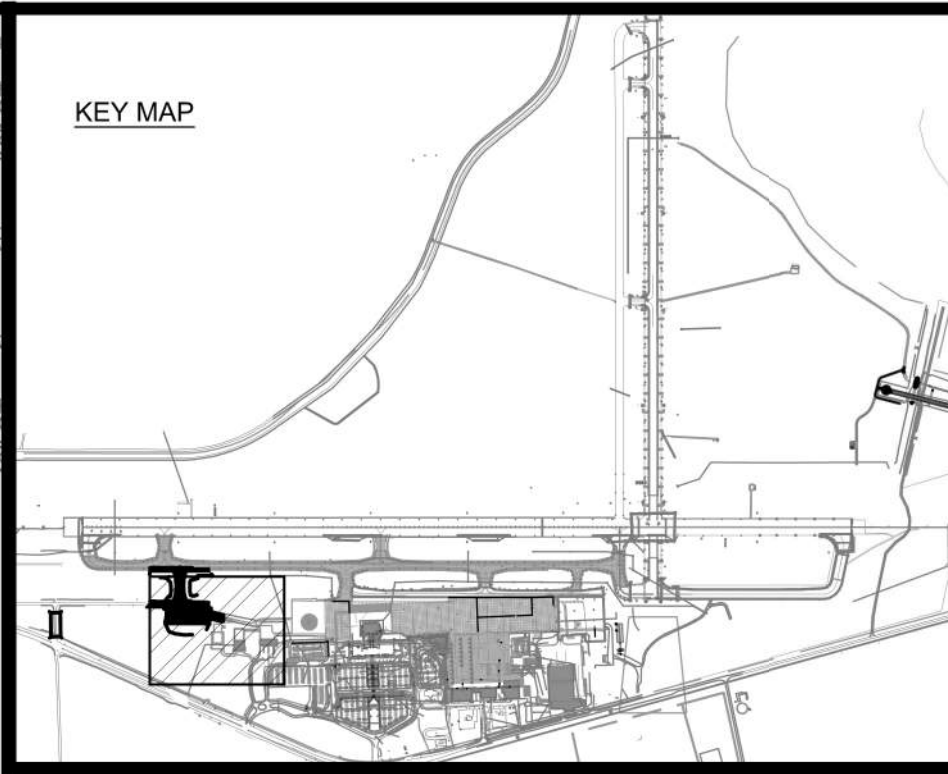
SHEET CONTENTS
EXISTING DRAINAGE
BASIN

SHEET NO.
C-023

G:\AAA-ACTIVE JOBS\2020-2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AAA - DRAWINGS\CIVIL\2020-0350_ESPC.DWG
12/2/2021 10:56:11 AM



KEY MAP



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

CRANSTON
ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED



12/3/2021

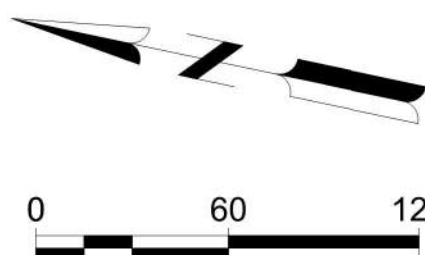
ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

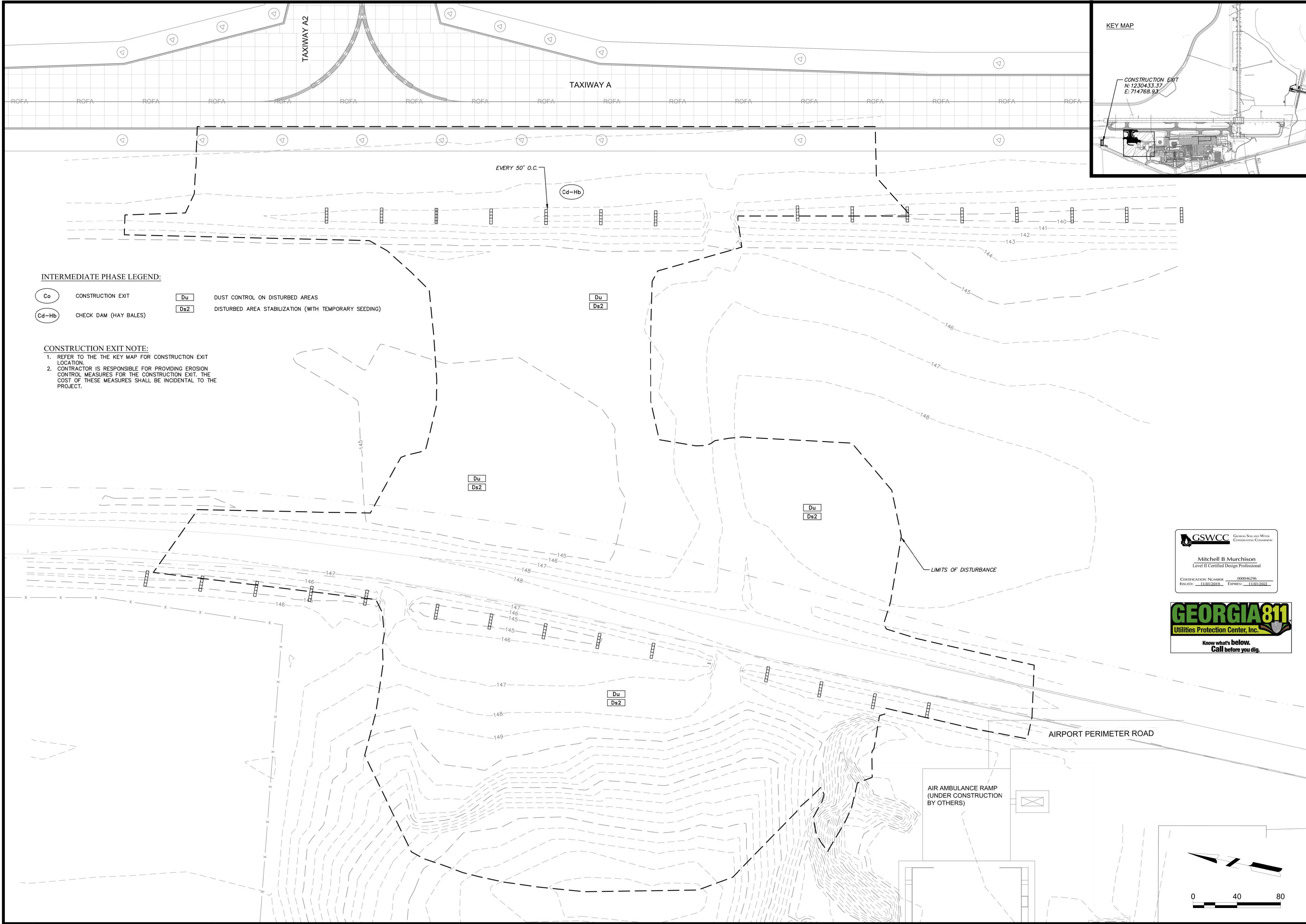
SHEET CONTENTS
**PROPOSED DRAINAGE
BASIN**

SHEET NO.

C-024



G:\AAA-ACTIVE JOBS\2020\2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AA - DRAWINGS\CIVIL\2020-0350_ESPC.DWG
12/2/2021 10:56:25 AM



INTERMEDIATE PHASE LEGEND:

- | | | | |
|-------|-----------------------|-----|---|
| Co | CONSTRUCTION EXIT | Du | DUST CONTROL ON DISTURBED AREAS |
| Cd-Hb | CHECK DAM (HAY BALES) | Ds2 | DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) |

CONSTRUCTION EXIT NOTE:

1. REFER TO THE THE KEY MAP FOR CONSTRUCTION EXIT LOCATION.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING EROSION CONTROL MEASURES FOR THE CONSTRUCTION EXIT. THE COST OF THESE MEASURES SHALL BE INCIDENTAL TO THE PROJECT.



AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

ISSUED



ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
INITIAL EROSION
CONTROL PLAN

SHEET NO.

C-025

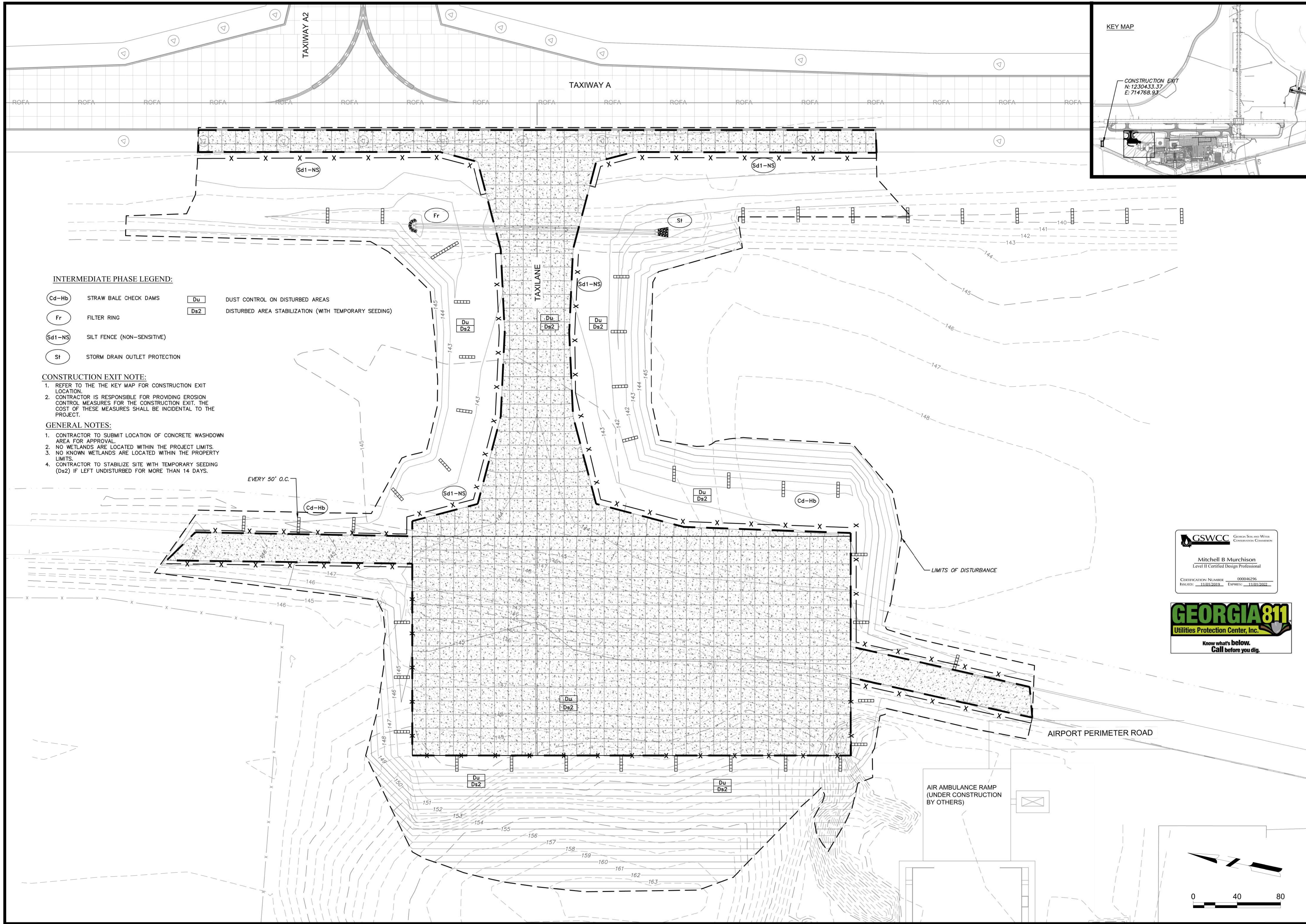
Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

CRANSTON
ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

G:\AAA-ACTIVE JOBS\2020\2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AAA - DRAWINGS\CIVIL\2020-0350_ESPC.DWG
12/2/2021 10:56:39 AM



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta Regional Airport

CRANSTON
ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED

GEORGIA REGISTERED ENGINEER
No. PE35685
MITCHELL B. MURCHISON
12/3/2021

ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

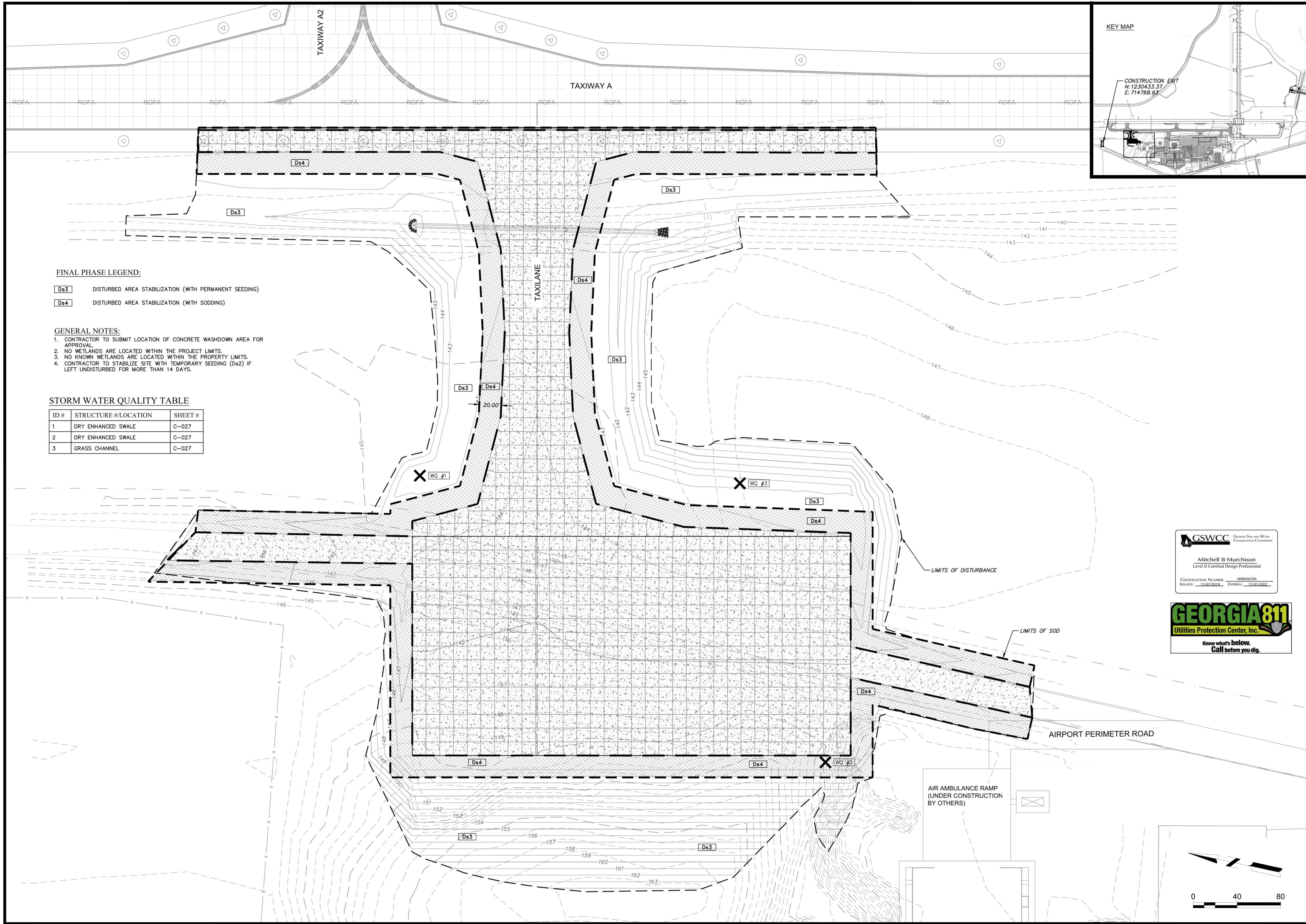
SHEET CONTENTS

INTERMEDIATE
EROSION CONTROL
PLAN

ISSUE NO.

C-026

G:\AAA-ACTIVE JOBS\2020-2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AAA - DRAWINGS\CIVIL\2020-0350_ESPC.DWG
12/2/2021 10:56:53 AM



FINAL PHASE LEGEND:

- Ds3** DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

GENERAL NOTES:

- CONTRACTOR TO SUBMIT LOCATION OF CONCRETE WASHDOWN AREA FOR APPROVAL.
- NO WETLANDS ARE LOCATED WITHIN THE PROJECT LIMITS.
- NO KNOWN WETLANDS ARE LOCATED WITHIN THE PROPERTY LIMITS.
- CONTRACTOR TO STABILIZE SITE WITH TEMPORARY SEEDING (Ds2) IF LEFT UNDISTURBED FOR MORE THAN 14 DAYS.

STORM WATER QUALITY TABLE

ID #	STRUCTURE #/LOCATION	SHEET #
1	DRY ENHANCED SWALE	C-027
2	DRY ENHANCED SWALE	C-027
3	GRASS CHANNEL	C-027



AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

ISSUED



ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
FINAL EROSION
CONTROL PLAN

SHEET NO.

C-027

Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

CRANSTON
ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

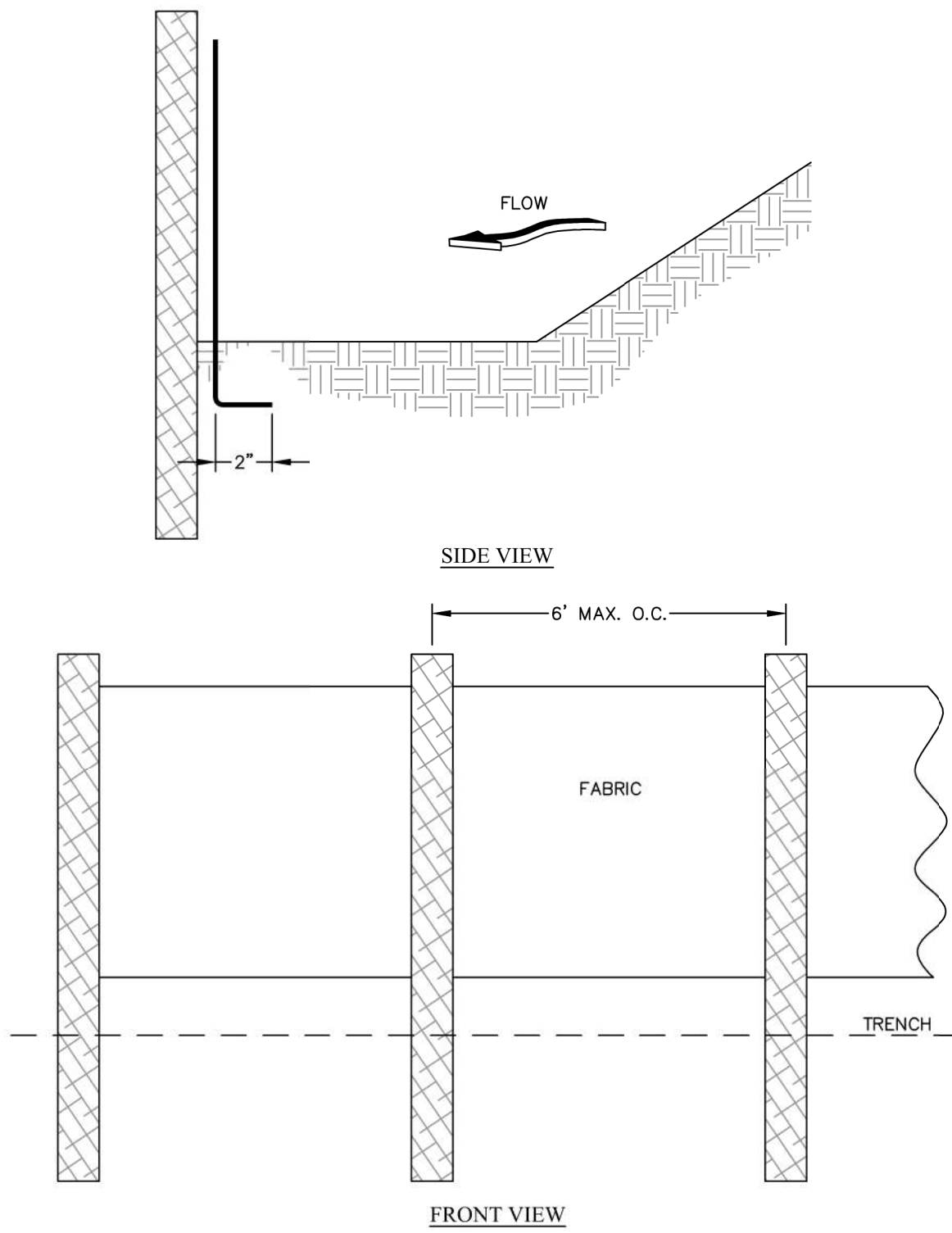
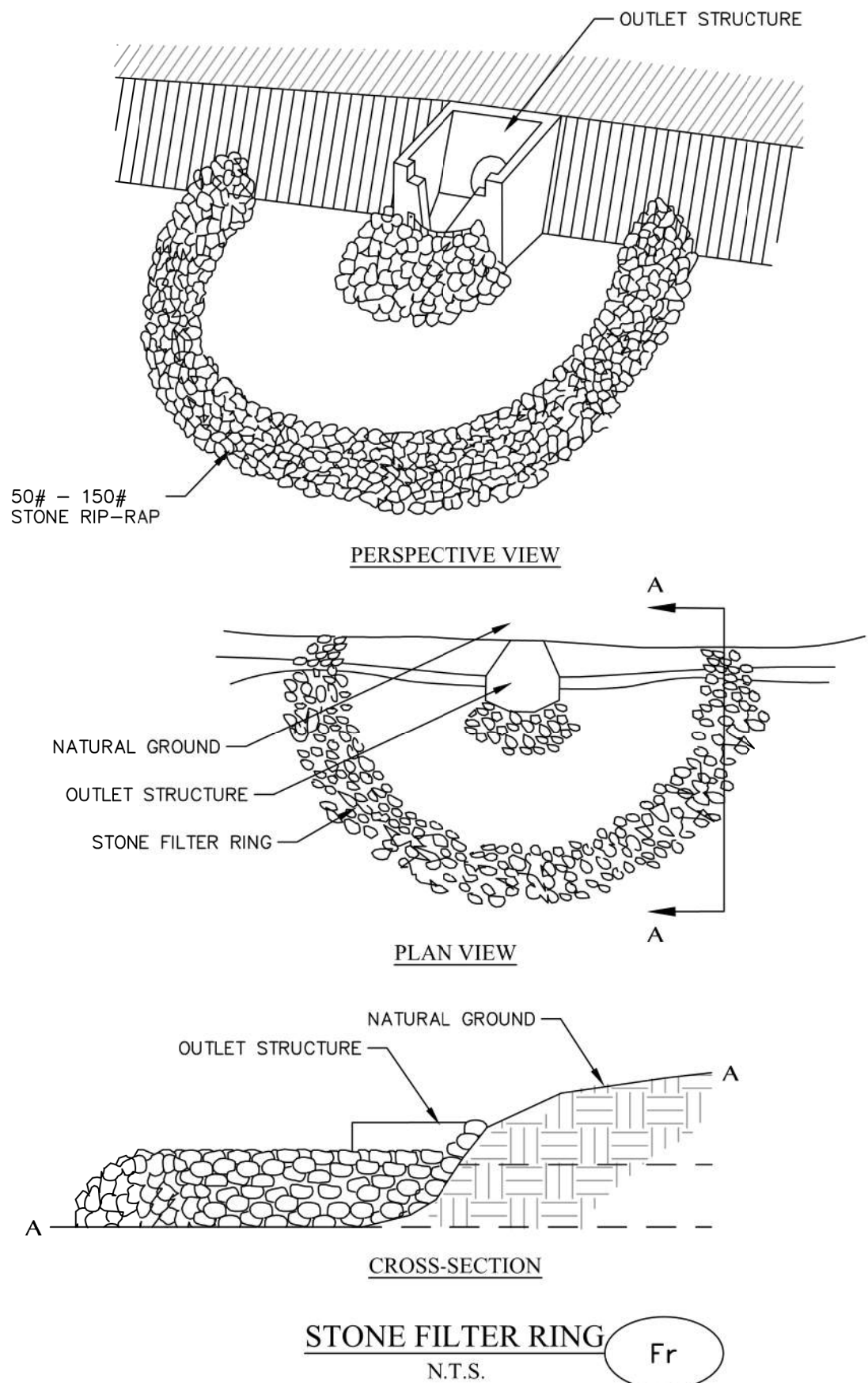
G:\AAA-ACTIVE JOBS\2020\2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AA - DRAWINGS\CIVIL\2020-0350_ESPC.DWG
12/2/2021 10:56:55 AM

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Cd	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.
Fr	FILTER RING			A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM INLETS AND POND OUTLETS.
St	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL OR A SILT FENCE.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)			ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREA.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)			A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODABLE OR CRITICALLY ERODED LANDS.
Du	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.

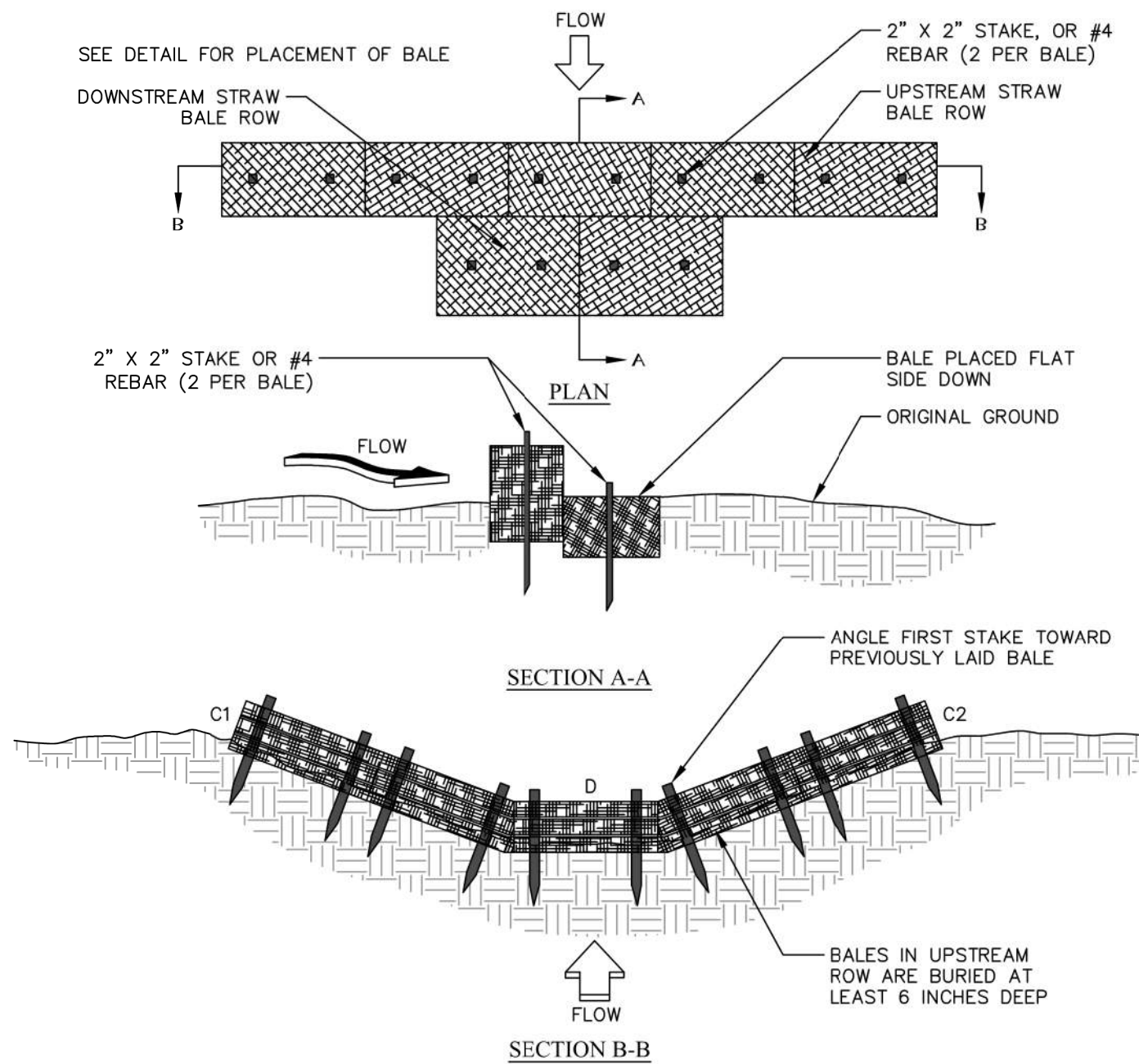


NOTES:
1. STEEL OR DOT APPROVED WOOD POSTS.

SILT FENCE - TYPE A

N.T.S.

Sd1-NS

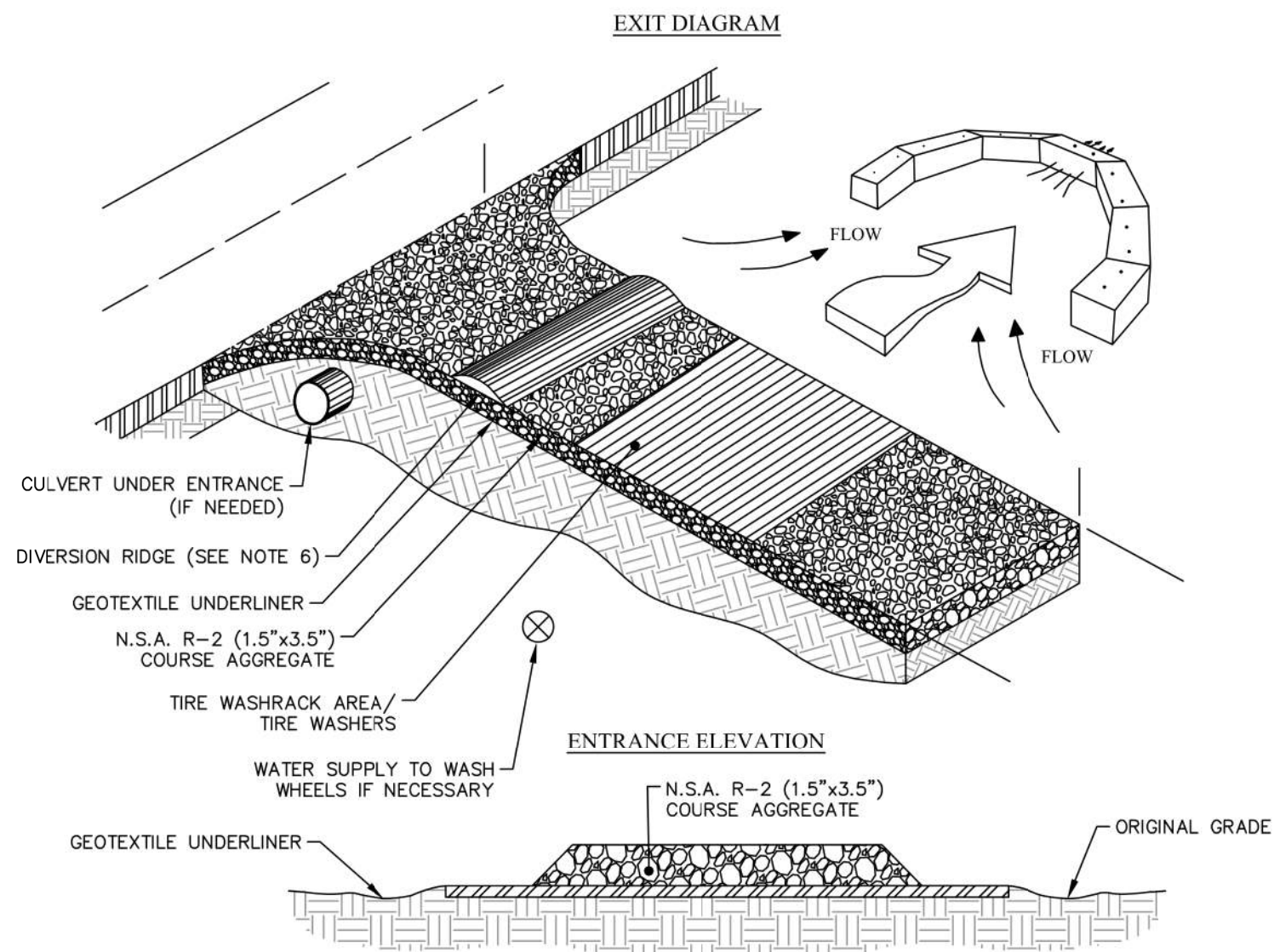


NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
3. POINTS C1 & C2 OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.
4. STRAW-BALE CHECK DAMS SHALL NOT BE USED WHERE THE DRAINAGE AREA EXCEEDS ONE ACRE.

TYPICAL STRAW BALE CHECK DAM

N.T.S.

Cd-Hb



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

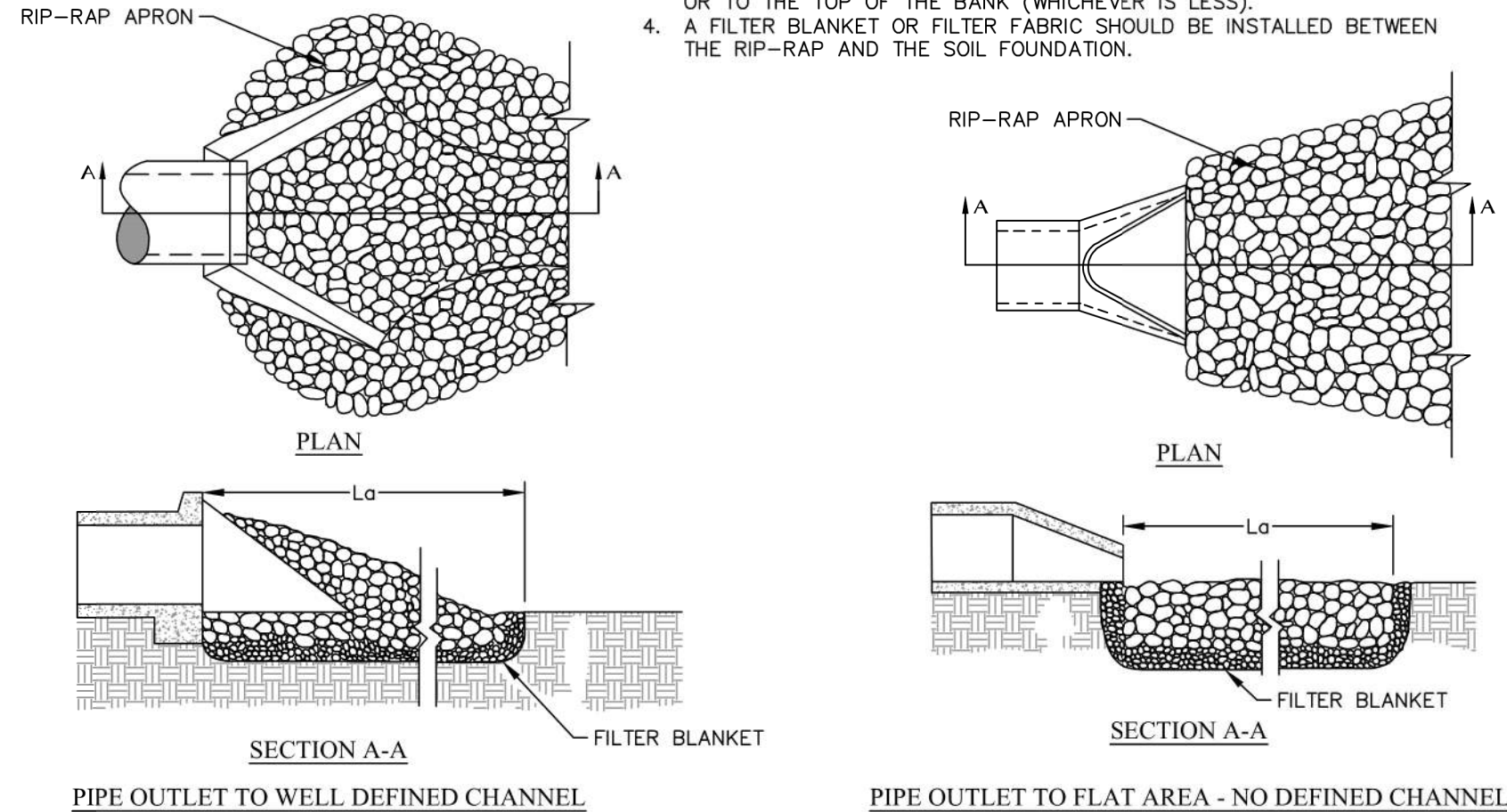
CRUSHED STONE CONSTRUCTION OUTLET

N.T.S.

Co

STRUCTURE & TYPE	PIPE SIZE (INCHES)	Q FULL (CFS)	PIPE VELOCITY (FEET/SEC.)	PIPE OUTLET RIP-RAP DIMENSIONS		
				SIZE d50 (FEET)	DEPTH (D) dmax X 1.5 (FEET)	LENGTH (Ld) (FEET)
FES A1	14"x23" ELIPTICAL	5.14	3.08	0.50	4.5	8
FES B1	14"x23" ELIPTICAL	5.14	3.08	0.50	4.5	8

NOTES:
1. Ld IS THE LENGTH OF THE RIP-RAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND THE SOIL FOUNDATION.



RIP-RAP OUTLET PROTECTION

N.T.S.

St



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta Regional Airport

CRANSTON ENGINEERING

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED



ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ESPC DETAILS

SHEET NO.

C-031

INSTALLATION:

- APPLY MULCH OR TEMPORARY GRASSING TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE.
- APPLICABLE TO ROUGH GRADED THAT WILL BE EXPOSED FOR LESS THAN 6 MONTHS.
- COORDINATE WITH PERMANENT MEASURES TO ENSURE ECONOMICAL AND EFFECTIVE STABILIZATION.
- TAKE NOTE OF WHICH SPECIES ARE NOT APPROPRIATE FOR COMPANION CROP PLANTINGS.
- WHEN THE SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, SCARIFY THE SOIL IN ORDER PROVIDE A PLACE FOR THE SEED TO LODGE AND GERMINATE.
- APPLY AGRICULTURAL LIME AT THE RATE DETERMINED BY THE SOIL PH TEST.
- APPLY LIME BEFORE LAND PREPARATION AND INCORPORATE WITH A DISK, RIPPER, OR CHISEL.
- ON STEEP SLOPES, APPLY FERTILIZER HYDRAULICALLY.
- SELECT GRASS, OR GRASS-LEGUME MIXTURES BASED ON THE AREA AND SEASON OF THE YEAR.
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER DRILL, CULTI-PACKER-SEEDER, OR HYDRAULIC SEEDER.
- THE APPROPRIATE DEPTH OF PLANTING IS 10X THE SEED PLANTER
- APPLY IRRIGATION AT A RATE THAT WILL NOT CAUSE RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO INSURE GERMINATION OF THE SEED.

TEMPORARY PLANT SPECIES, SEEDING RATES & PLANTING DATES

SPECIES	RATES PER 1000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
LESPEDeza, ANNUAL	0.90 LBS	40 LBS	3/1-3/31	3/1-3/31	2/1-2/28
LESPEDeza, IN MIXTURES	0.20 LBS	10 LBS			
LOVEGRASS, ALONE	0.10 LBS	4 LBS	4/1-5/31	4/1-5/31	3/1-5/31
LOVEGRASS, IN MIXTURES	0.05 LBS	2 LBS			
SUDANGRASS	1.40 LBS	60 LBS	5/1-7/31	5/1-7/31	4/1-7/31
TRITICALE, ALONE	3.30 LBS	3 BU	N/A	N/A	10/15-11/30
TRITICALE, IN MIXTURES	0.60 LBS	0.5 BU			

1. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
2. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.
3. SEEDING RATES ARE BASED ON PURE LIVE SEED (PLS).

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS/ACRE)	N TOP DRESSING RATES (LBS/ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	---
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	50-100
	SECOND	10-10-10	1000	---
	MAINTENANCE	10-10-10	400	---
TEMPORARY COVER CROPS SEEDD ALONE	FIRST	10-10-10	500	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

MAINTENANCE:

- RESEED AREAS WHERE AN ADEQUATE STAND OF TEMPORARY VEGETATION FAILS TO EMERGE.
- IF OPTIMUM CONDITIONS FOR TEMPORARY VEGETATION IS LACKING, MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) Ds2

INSTALLATION:

- USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
- FINAL STABILIZATION MEANS THAT 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION AND WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDINGLY TO THE PLAN (UNIFORMLY COVERED LANDSCAPING MATERIAL IN PLANNED LANDSCAPING AREAS), OR THE EQUIVALENT PERMANENT STABILIZATION METHODS.
- SELECT PLANTS SPECIES BASED ON SITE AND SOIL CONDITIONS, PLANNED USE, MAINTENANCE OF THE AREA, TIME OF YEAR, METHOD OF PLANTING, AND THE NEEDS OF THE LAND USER.
- APPLY AGRICULTURAL LIME AT A RATE OF 1-2 TONS/ACRE UNLESS SOIL TEST INDICATE OTHERWISE. PLEASE REFER TO PERMANENT PLANT SPECIES, SEEDING RATES & PLANTING DATES TABLE BELOW FOR INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENT FOR EACH SPECIES.
- APPLY SEED HYDRAULICALLY, IF USING CONVENTIONAL METHODS, USE A CULTI-PACKER SEEDER, DRILL, ROTARY SEEDER, OR BY HAND.
- COVER THE SEED LIGHTLY WITH 1/8"-1/4" OF SOIL FOR SMALL SEED AND 1 1/2"-1" OF SOIL FOR LARGE SEED WHEN USING A CULTI-PACKER.
- CHECK SEED TAGS FOR % GERMINATION & % PURITY IN ORDER TO CALCULATE PURE LIVE SEED (PLS), WHICH IS THE PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE.
- MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. PLEASE REFER TO Ds1 FOR APPLICATION RATES AND ANCHORING METHODS FOR DIFFERENT MATERIALS FOR DIFFERENT MATERIALS.
- IRRIGATE WHEN THE SOIL IS DRY AND AT A RATE THAT WILL NOT CAUSE RUNOFF.

MAINTENANCE:

- RE-SEED AREAS WHERE AN ADEQUATE STAND OF VEGETATION FAILS TO EMERGE OR WHERE A POOR STAND EXISTS.
- MAINTAIN AT LEAST 2" OF TOP GROWTH UNDER ANY USE AND MANAGEMENT.
- EXCLUDE TRAFFIC UNTIL THE PLANTS ARE ESTABLISHED.
- REFER TO FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION TABLE FOR SECOND YEAR AND MAINTENANCE FERTILIZER RATES.
- APPLY ONE TON OF AGRICULTURAL LIME EVERY 4-6 YEARS AS INDICATED BY SOIL TESTS.
- MOW BERMUDA GRASS, BAHAI GRASS, AND TALL FESCUE AS DESIRED.
- MOW SERICIA LESPEDEZA ONLY AFTER FROST INSURES THAT THE SEEDS ARE MATURE.

GENERAL NOTES:

THE USDA-APHIS-WILDLIFE SERVICE STAFF SHOULD BR CONSULTED TO ENSURE SEED RECOMMENDED IS NOT A HAZARDOUS WILDLIFE ATTRACTANT. SEEDING DATES, SPECIES AND SEEDING RATES MUST BE SPECIFIED THAT ARE COMPATIBLE WITH LOCAL CLIMATE AND SOIL CONDITIONS. DUE CONSIDERATION MUST BE GIVEN TO LONGEVITY OF PLANTS, RESISTANCE TO TRAFFIC AND EROSION, AND ATTRACTION OF BIRDS OR LARGE ANIMAL. MORE THAN ONE SEEDING SEASON MAY BE SPECIFIED, IF APPROPRIATE. LOCAL OFFICES OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE (NRCS) AND/OR STATE UNIVERSITY AGRICULTURAL COOPERATIVE EXTENSION OFFICE (COUNTY AGENT OR EQUIVALENT) SHOULD BE CONSULTED FOR ASSISTANCE AND RECOMMENDATION, THESE AGENCIES SHOULD ALSO BE CONSULTED FOR LIMING AND FERTILIZER RECOMMENDATIONS.

INSTALLATION:

SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.

1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (±1/4") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
2. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ±5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
3. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
4. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE FOR YOUR RESOURCE AREA.

MAINTENANCE:

- RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS OBTAINED. NEW SOD SHOULD BE MOWED SPARING. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED.
- APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOILS TEST OR EVERY 4-6 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE.

TEMPORARY METHODS:

MULCHES (SEE Ds1)

VEGETATIVE COVER (SEE Ds2)

SPRAY-ON ADHESIVES

TILLAGE

IRRIGATION

BARRIERS

CALCIUM CHLORIDE

PERMANENT METHODS:

PERMANENT VEGETATION

STONE

TOP SOILING

SEE Ds1 - DISTURBED AREA STABILIZATION (MULCHING ONLY). REFER TO SPECIFICATION Tcc - TACKIFIERS FOR THE USE OF SYNTHETIC RESIN TO BIND MULCH MATERIAL.

SEE Ds2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

FOR USE ON MINERAL SOILS NOT MUOK SOILS. REFER TO SPECIFICATION Tcc - TACKIFIERS.

DESIGNED TO ROUGHEN AND BRING CLODS TO THE SOIL SURFACE. BEGIN PLOWING ON WINDWARD SIDE OF SITE. USE CHISEL-TYPE PLOWS TO ACHIEVE DESIRED EFFECT. THIS IS AN EMERGENCY MEASURE TO BE USED BEFORE WIND EROSION STARTS.

SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

USE SOLID BOARD FENCE, SNOW FENCE, BURLAP FENCE, CRATE WALLS, BALES OF HAY OR SIMILAR MATERIAL TO CONTROL AIR CURRENTS AND SOIL BLOWING. PLACE BARRIERS AT RIGHT ANGLES AT INTERVALS OF 15X THEIR HEIGHT TO CONTROL WIND EROSION.

APPLY AT A RATE TO KEEP THE SURFACE MOIST.

SEE Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

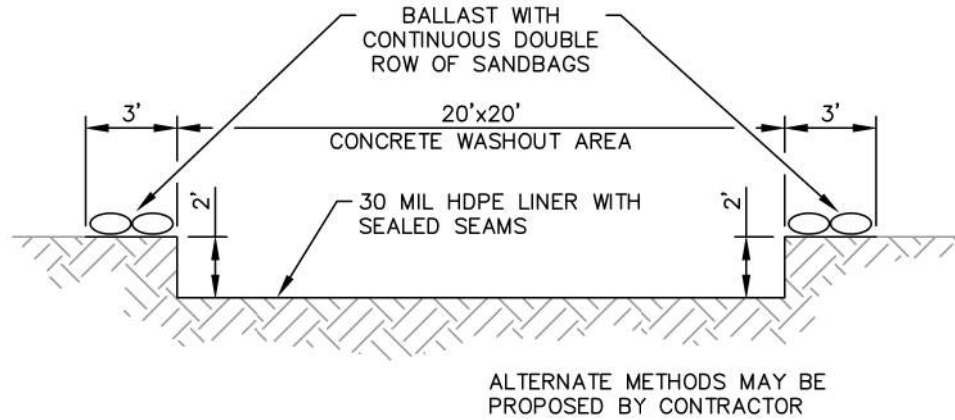
COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE SPECIFICATION Cr - CONSTRUCTION ROAD STABILIZATION.

SEE SPECIFICATION Tp - TOP SOILING

MAINTENANCE

PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING. SUPPLEMENT SURFACE COVERING AS NEEDED.

DUST CONTROL ON DISTURBED AREAS Du



NOTES:

1. CONTRACTOR TO MAINTAIN DURING CONSTRUCTION AND REMOVE AT THE END OF THE PROJECT.
2. HAUL WASTE MATERIAL TO AN APPROVED DISPOSAL SITE.

CONCRETE WASHOUT AREA DETAIL Cw

N.T.S.

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS/ACRE)	N TOP DRESSING RATES (LBS/ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	---
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	---
	MAINTENANCE	0-10-10	400	---
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	50
	SECOND	0-10-10	1000	---
	MAINTENANCE	0-10-10	400	---

SOD PLANTING REQUIREMENTS

GRASS	VARIETIES	RESOURCE AREA	RATE (LBS/ACRE)
BERMUDAGRASS	COMMON	M-L, P, C	WARM WEATHER
	TIFWAY	P, C	
	TIFGREEN	P, C	
BAHIAGRASS	PENSACOLA	P, C	WARM WEATHER
CENTIPEDE	---	P, C	WARM WEATHER
ST AUGUSTINE	COMMON	C	WARM WEATHER
	BITTERBLUE		
	RALEIGH		
ZOYSIA	EMERALD MYER	P, C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L, P	COOL WEATHER

PERMANENT PLANT SPECIES, SEEDING RATES & PLANTING DATES

SPECIES	RATES PER 1000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA						
ALONE OR WITH TEMPORARY COVER	60 LBS.	1.4 LBS.	---	4/1-5/31	3/1-5/31	LOW GROWING, SOD PRODUCING; WILL SPREAD INTO BERMUDA LAWNs.
WITH OTHER PERENNIALS	30 LBS.	0.7 LBS.				
BAHIA, WILMINGTON						
ALONE OR WITH TEMPORARY COVER	60 LBS.	1.4 LBS.	3/15-5/31	3/1-5/31	---	LOW GROWING, SOD PRODUCING; WILL SPREAD INTO BERMUDA LAWNs.
WITH OTHER PERENNIALS	30 LBS.	0.7 LBS.				
BERMUDA, COMMON (HULLED SEED)						
ALONE OR WITH TEMPORARY COVER	10 LBS.	0.2 LBS.	---	4/1-5/31	3/15-8/15	QUICK COVER; LOW GROWING; SOD FORMING; NEEDS FULL SUN.
WITH OTHER PERENNIALS	6 LBS.	0.1 LBS.				
BERMUDA, COMMON (UNHULLED SEED)						
ALONE OR WITH TEMPORARY COVER	10 LBS.	0.2 LBS.	---	10/1-2/28	11/1-1/31	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
WITH OTHER PERENNIALS	6 LBS.	0.1 LBS.				
BERMUDA SPRINGS COMMON LAWN AND FORAGE HYBRIDS	40 CU. FT.	0.9 CU. FT.				1 CU. FT. = 650 SPRIGS 1 BU. = 1.25 CU. FT. OR 800 SPRIGS
	SOD PLUGS 3x3		4/15-6/15	4/1-6/15	4/1-5/31	
CENTIPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY				DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE.
			---	11/1-5/31	11/1-5/31	
CROWN VETCH						
WITH WINTER ANNUALS	15 LBS.	0.3 LBS.	9/1-10/15	9/1-10/15	---	MIX WITH 30 LBS. TALL FESCUE OR 15 LBS. RYE; INOCULATED SEED; PLANT ONLY NORTH OF ATLANTA.
OR COOL SEASON GRASSES						
FESCUE, TALL						
ALONE	50 LBS.	1.1 LBS.	3/1-4/15 OR 8/15-10/15	9/1-10/15	---	CAN BE MIXED WITH PERENNIAL LESPEDEZES OR CROWN VETCH; NOT FOR DROUGHTY SOILS OR HEAVY USE AREAS.
WITH OTHER PERENNIALS	30 LBS.	0.7 LBS.				
LESPEDeza, SERICEA						
LESPEDeza AMBRO VIGATA OR APPALOW						
SCARIFIED	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	SPREADING GROWTH WITH HEIGHT 18"-24"; GOOD IN URBAN AREAS; SLOW TO DEVELOP GOOD STANDS; MIX WITH WEEPING LOVEGRASS; COMMON BERMUDA, BAHIA, TALL FESCUE, OR WINTER ANNUALS; DO NOT MIX WITH SERICEA LESPEDEZA, INOCULATE SEED WITH EL INOCULANT.
UNSCARIFIED	75 LBS.	1.7 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	
LESPEDeza, SHRUB (LESPEDeza BICOLOR OR LESPEDEZA THUMBERGII) PLANTS	3'x3' SPACING		10/1-3/31	11/1-3/15	11/15-2-28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING						
ALONE	4 LBS.	0.1 LBS.	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER; DROUGHT TOLERANT; GROWS WELL WITH SERICEA LESPEDEZA, ON ROAD BANKS AND OTHER STEEP SLOPES; SHORT LIVED.
WITH OTHER PERENNIALS	2 LBS.	0.05 LBS.				
MAIDENCANE SPRIGS	2'x3' SPACING		2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVER BANKS AND SHORELINES. D.G SPRIGS LOCALLY
PANICGRASS, ATLANTIC COSTAL	20 LBS.	0.5 LBS.	---	3/1-4/30	3/1-4/30	GROWS WELL ON COSTAL SAND DUNE; MIX WITH SERICEA LESPEDEZ, BUT NOT ON THE SAND DUNE.
RED CANARY GRASS						
ALONE	50 LBS.	1.1 LBS.	8/15-10/15	9/1-10/15	---	GROWS SIMILAR TO TALL FESCUE; FOR WET SITES.
WITH OTHER PERENNIALS	30 LBS.	0.7 LBS.				

1. RATES ARE FOR BROADCASTED SEED. IF A SEED DRILL IS USED, REDUCE THE RATES BY ONE-HALF.
2. PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO GLOSSARY IN GSWCC FIELD MANUAL FOR AN EXPLANATION OF THIS TERM.
3. SEEDING RATES ARE BASED ON PURE LIVE SEEDS (PLS).

PURE LIVE SEED (PLS) EXAMPLE:

TALL FESCUE
85% GERMINATION & 95% PURITY
PLS = 0.85 (GERMINATION) x 0.95 (PURITY)
PLS = 80.75%

SEEDING RATE = 50 LBS PLS/ACRE = 61.92 LBS/ACRE
PLS 80.75% PLS

DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING) Ds3

FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS/ACRE)	N TOP DRESSING RATES (LBS/ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	---
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

DISTURBED AREA STABILIZATION (WITH SODDING) Ds4



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED



12/3/2021

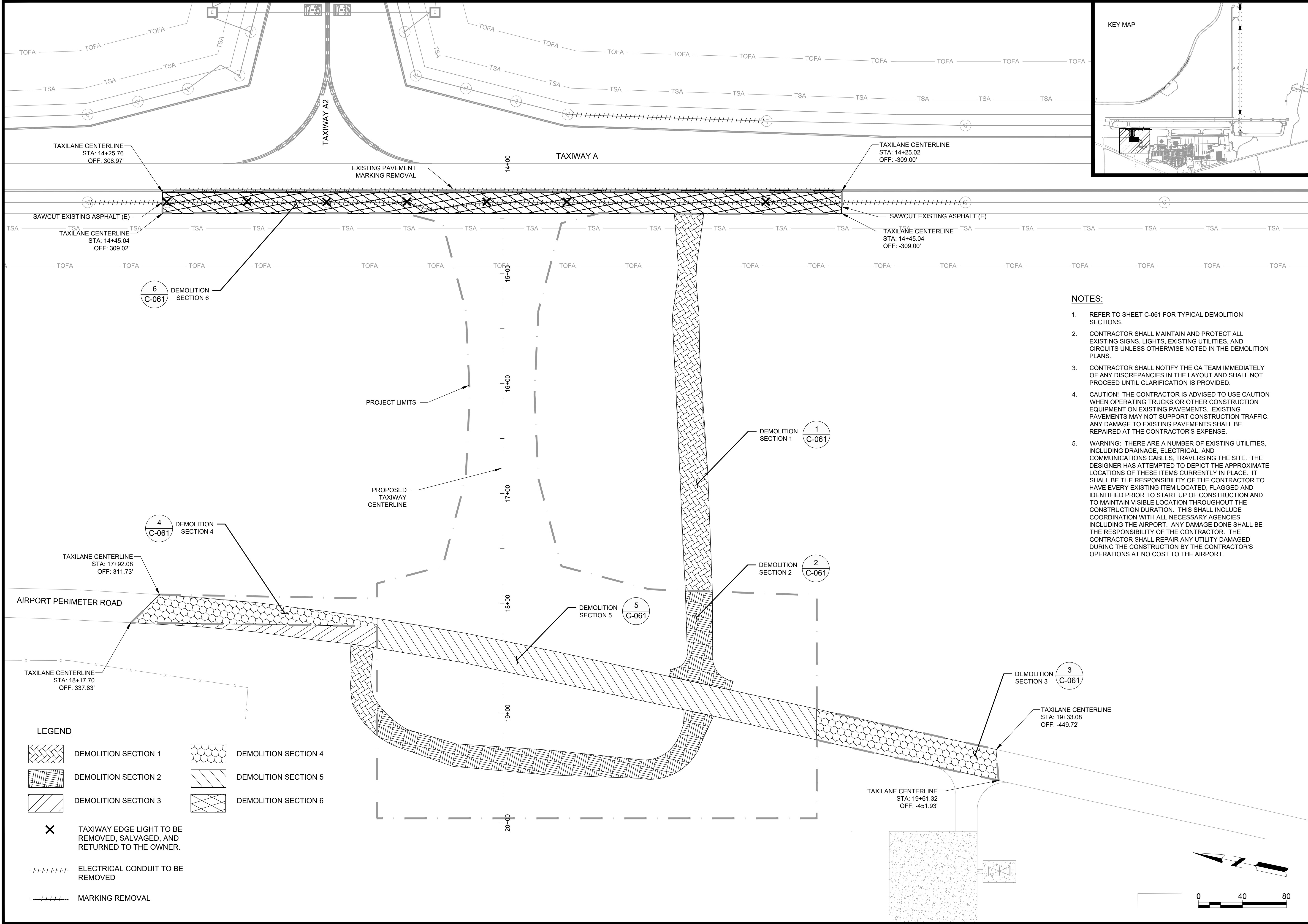
ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ESPC DETAILS

SHEET NO.

C-032



KEY MAP

NOTES:

1. REFER TO SHEET C-061 FOR TYPICAL DEMOLITION SECTIONS.
2. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING SIGNS, LIGHTS, EXISTING UTILITIES, AND CIRCUITS UNLESS OTHERWISE NOTED IN THE DEMOLITION PLANS.
3. CONTRACTOR SHALL NOTIFY THE CA TEAM IMMEDIATELY OF ANY DISCREPANCIES IN THE LAYOUT AND SHALL NOT PROCEED UNTIL CLARIFICATION IS PROVIDED.
4. CAUTION! THE CONTRACTOR IS ADVISED TO USE CAUTION WHEN OPERATING TRUCKS OR OTHER CONSTRUCTION EQUIPMENT ON EXISTING PAVEMENTS. EXISTING PAVEMENTS MAY NOT SUPPORT CONSTRUCTION TRAFFIC. ANY DAMAGE TO EXISTING PAVEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. WARNING: THERE ARE A NUMBER OF EXISTING UTILITIES, INCLUDING DRAINAGE, ELECTRICAL, AND COMMUNICATIONS CABLES, TRAVERSING THE SITE. THE DESIGNER HAS ATTEMPTED TO DEPICT THE APPROXIMATE LOCATIONS OF THESE ITEMS CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY EXISTING ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO START UP OF CONSTRUCTION AND TO MAINTAIN VISIBLE LOCATION THROUGHOUT THE CONSTRUCTION DURATION. THIS SHALL INCLUDE COORDINATION WITH ALL NECESSARY AGENCIES INCLUDING THE AIRPORT. ANY DAMAGE DONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY UTILITY DAMAGED DURING THE CONSTRUCTION BY THE CONTRACTOR'S OPERATIONS AT NO COST TO THE AIRPORT.

LEGEND

	DEMOLITION SECTION 1		DEMOLITION SECTION 4
	DEMOLITION SECTION 2		DEMOLITION SECTION 5
	DEMOLITION SECTION 3		DEMOLITION SECTION 6

✕ TAXIWAY EDGE LIGHT TO BE REMOVED, SALVAGED, AND RETURNED TO THE OWNER.

----- ELECTRICAL CONDUIT TO BE REMOVED

----- MARKING REMOVAL

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

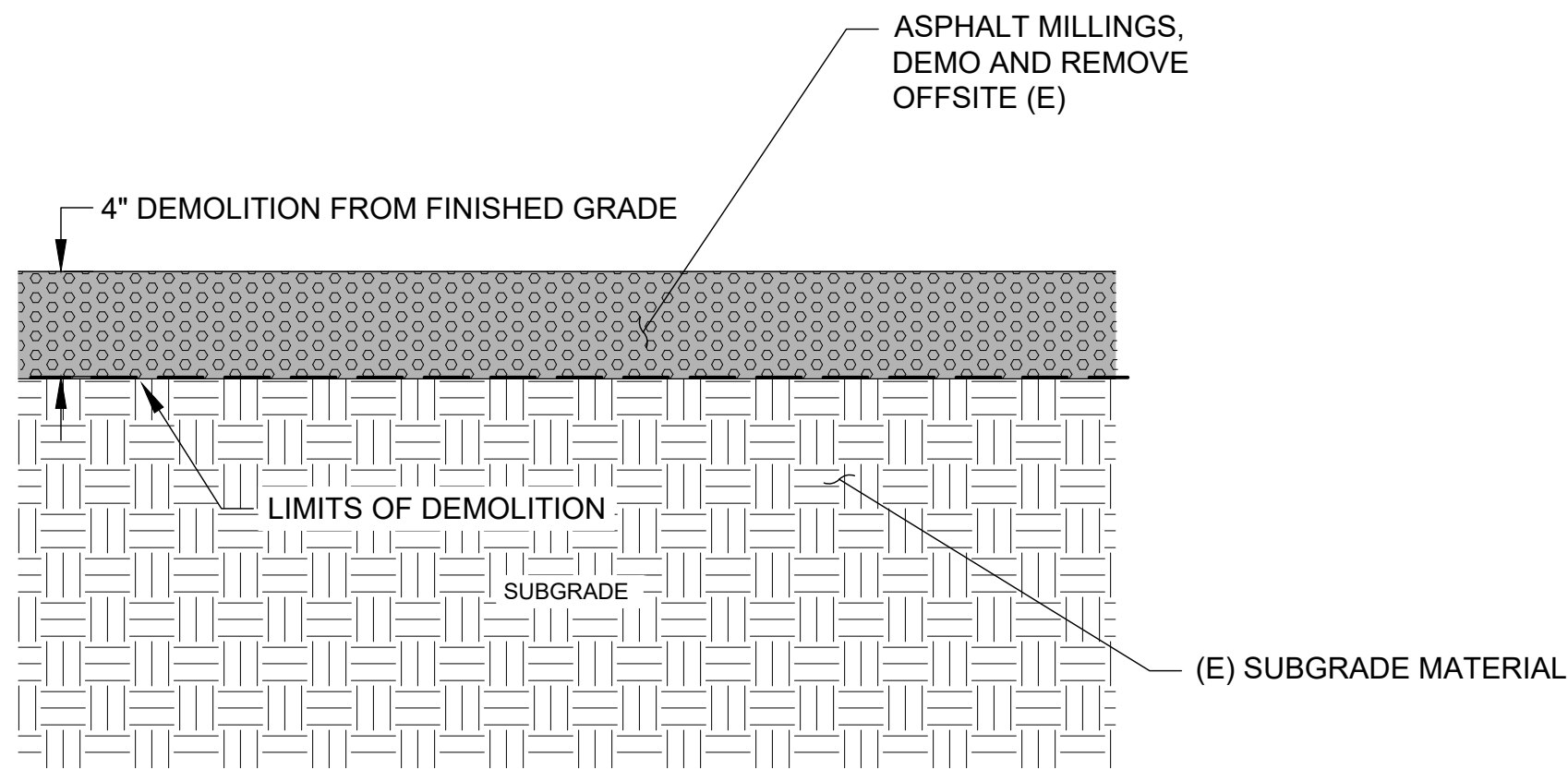
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
DEMOLITION PLANS

SHEET NO.

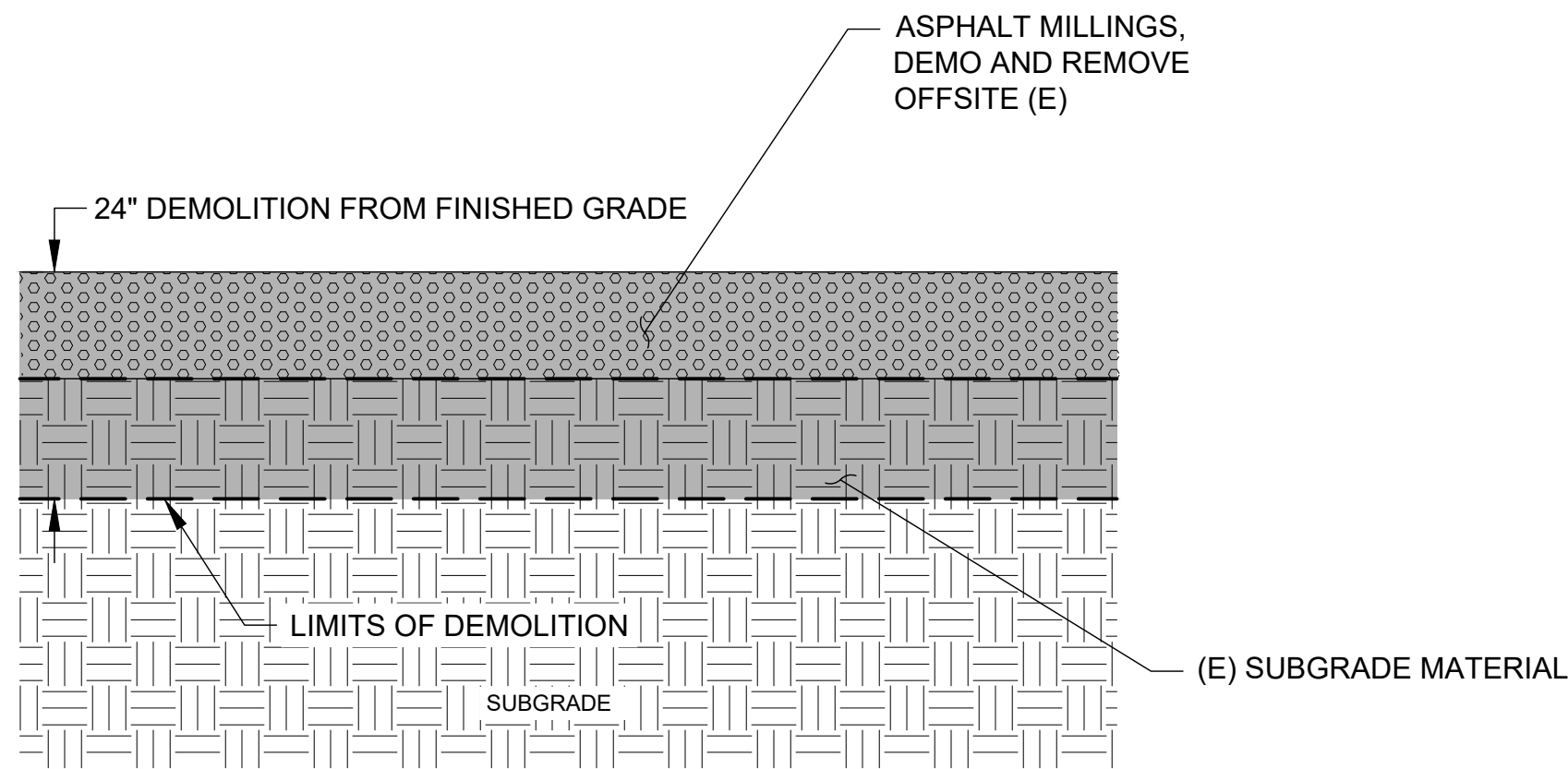
C-051



DEMOLITION SECTION:
TAXIWAY ACCESS RD.

1

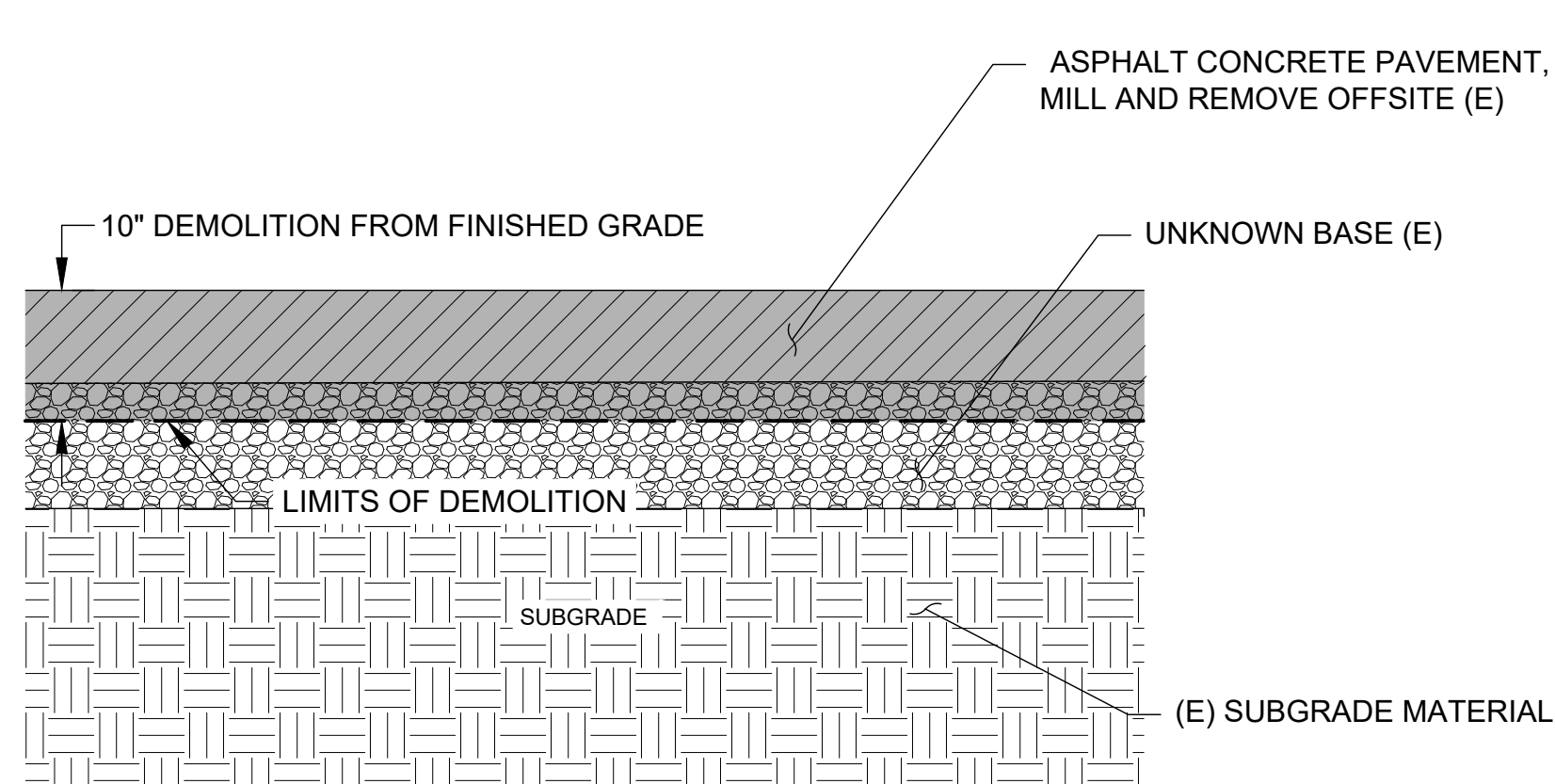
NOT TO SCALE



DEMOLITION SECTION:
TAXIWAY ACCESS RD.

2

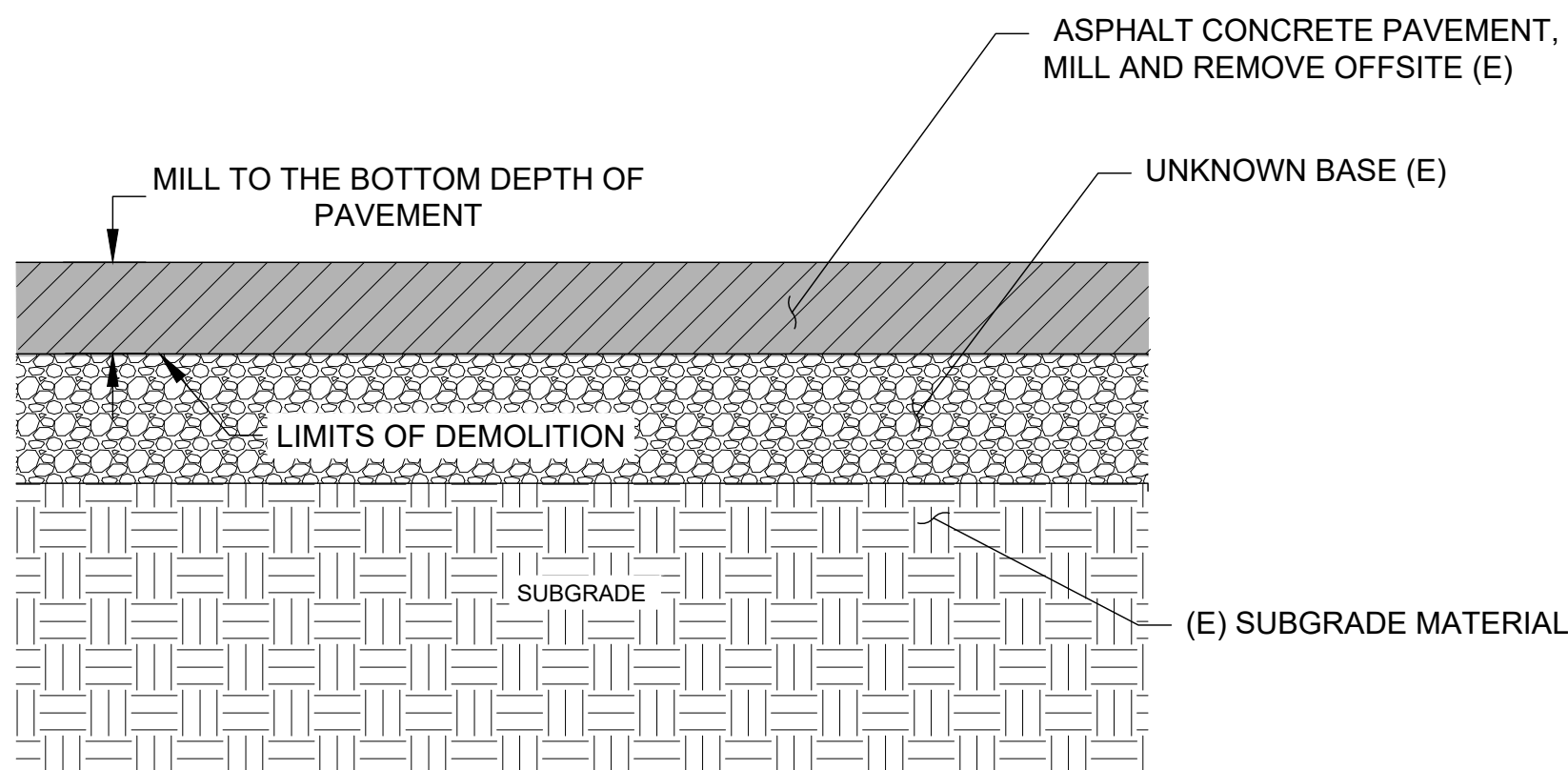
NOT TO SCALE



DEMOLITION SECTION:
EXISTING AIRPORT PERIMETER RD.

3

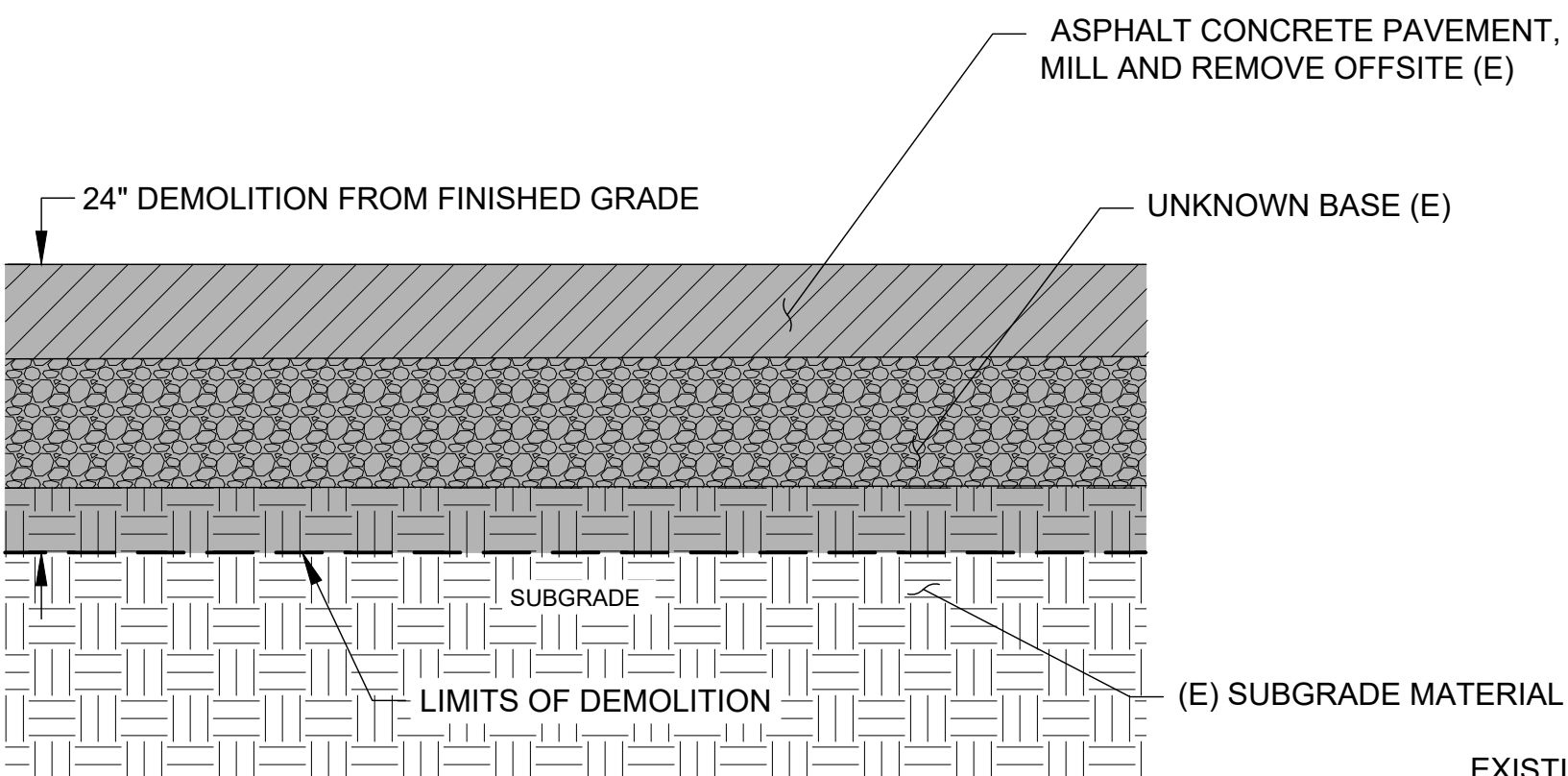
NOT TO SCALE



DEMOLITION SECTION:
EXISTING AIRPORT PERIMETER RD.

4

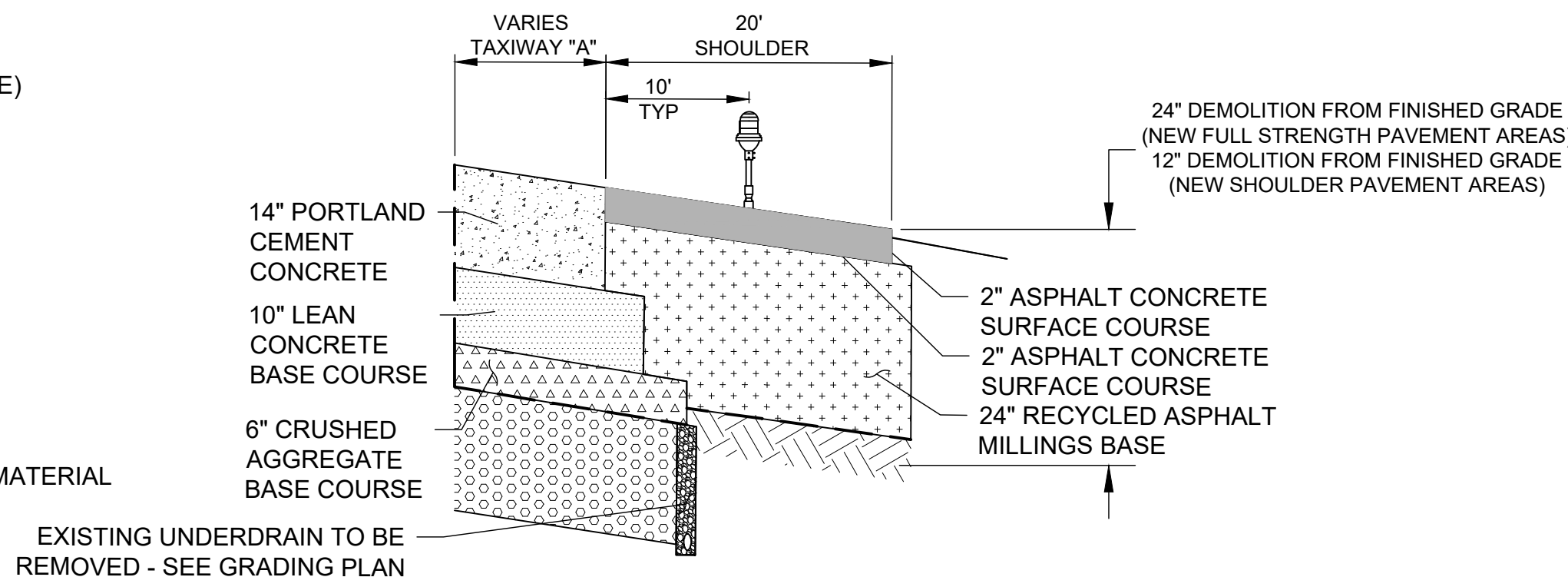
NOT TO SCALE



DEMOLITION SECTION:
EXISTING AIRPORT PERIMETER RD.

5

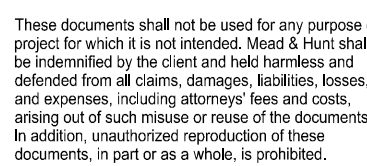
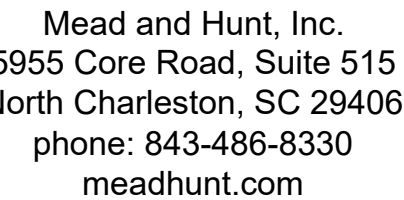
NOT TO SCALE



DEMOLITION SECTION:
EXISTING TAXIWAY SHOULDER

6

NOT TO SCALE



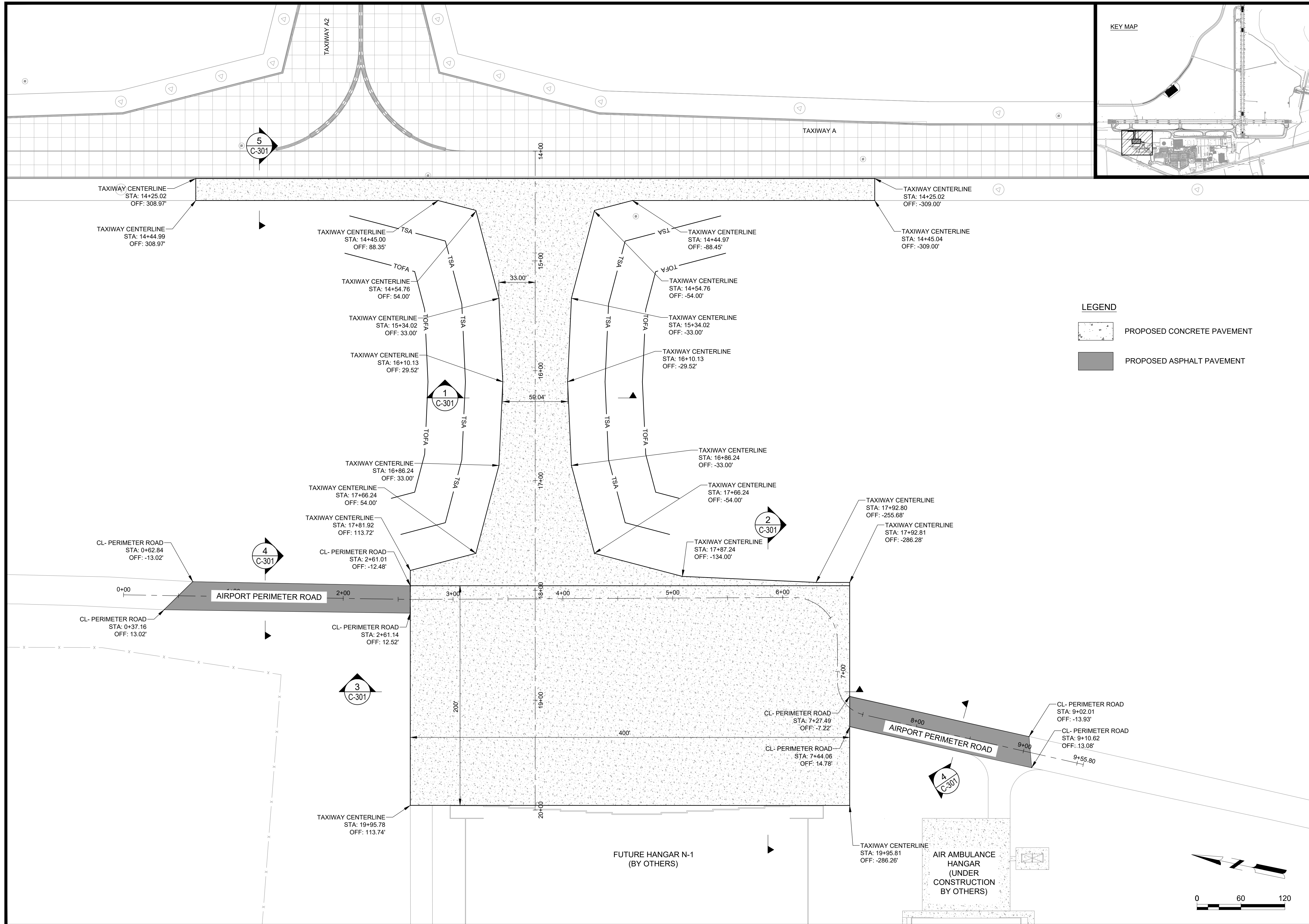
1501 AVIATION WAY
AUGUSTA, GA 30906-9620

NOT FOR CONSTRUCTION

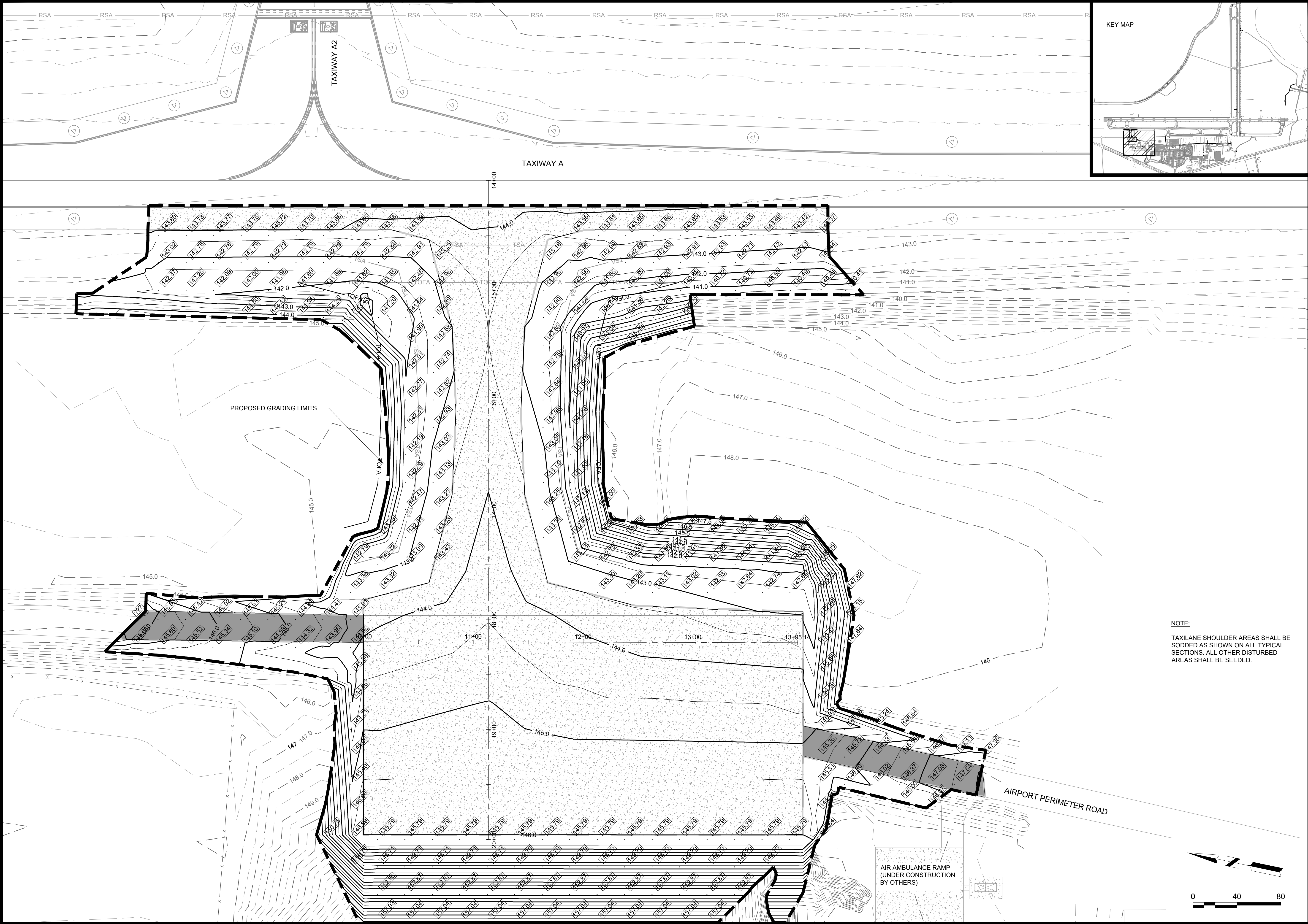
AIP NO.: 3-13-011-045-2020
M&H NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET NO.

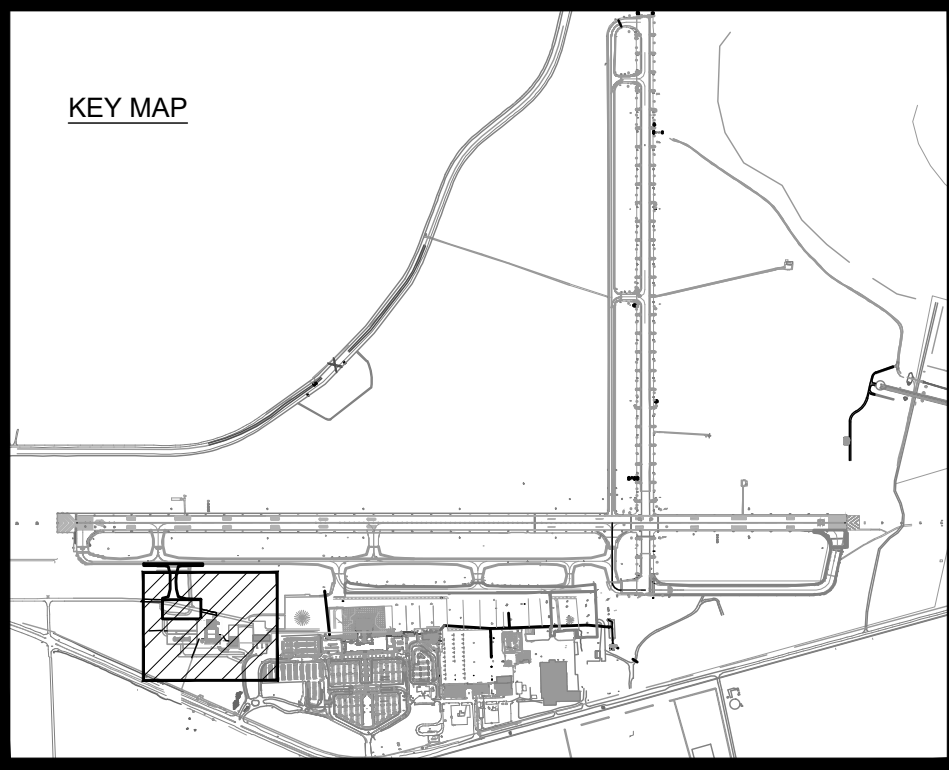
C-081



X:\0119700\202061.01\TECH\CAD\DRAWINGS\C-081 PROJECT GEOMETRICS.DWG
2/13/2021 4:03:56 PM



KEY MAP



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and released from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**
1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

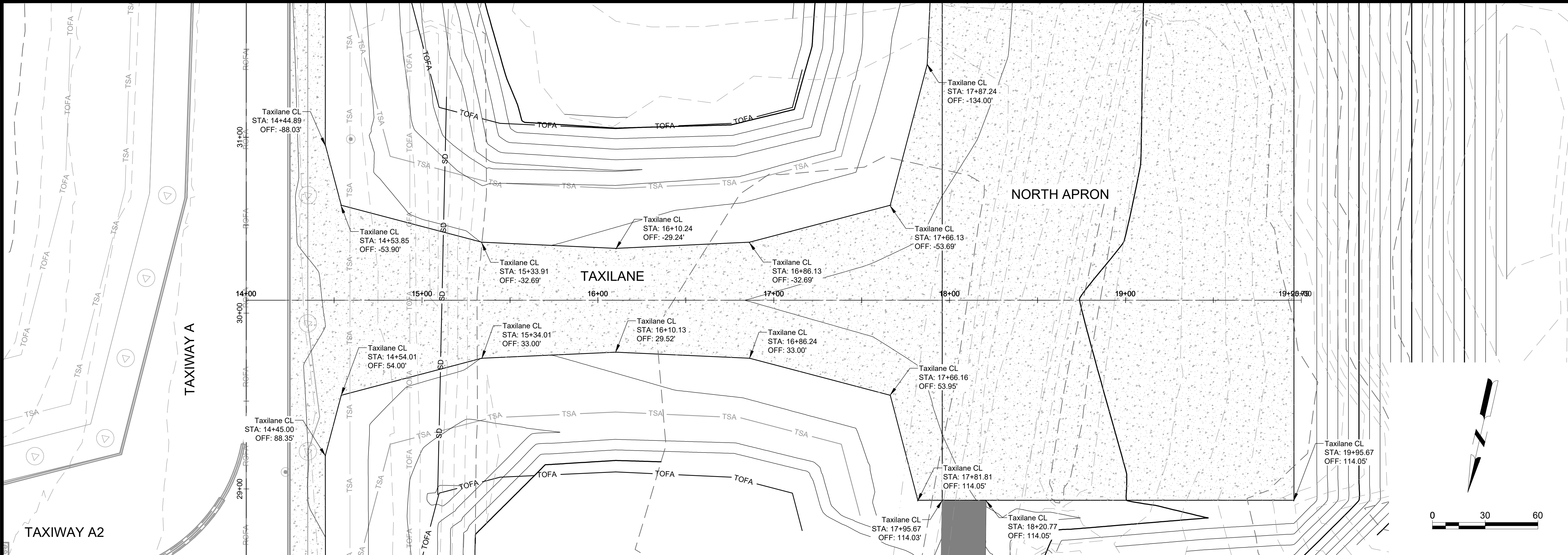
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

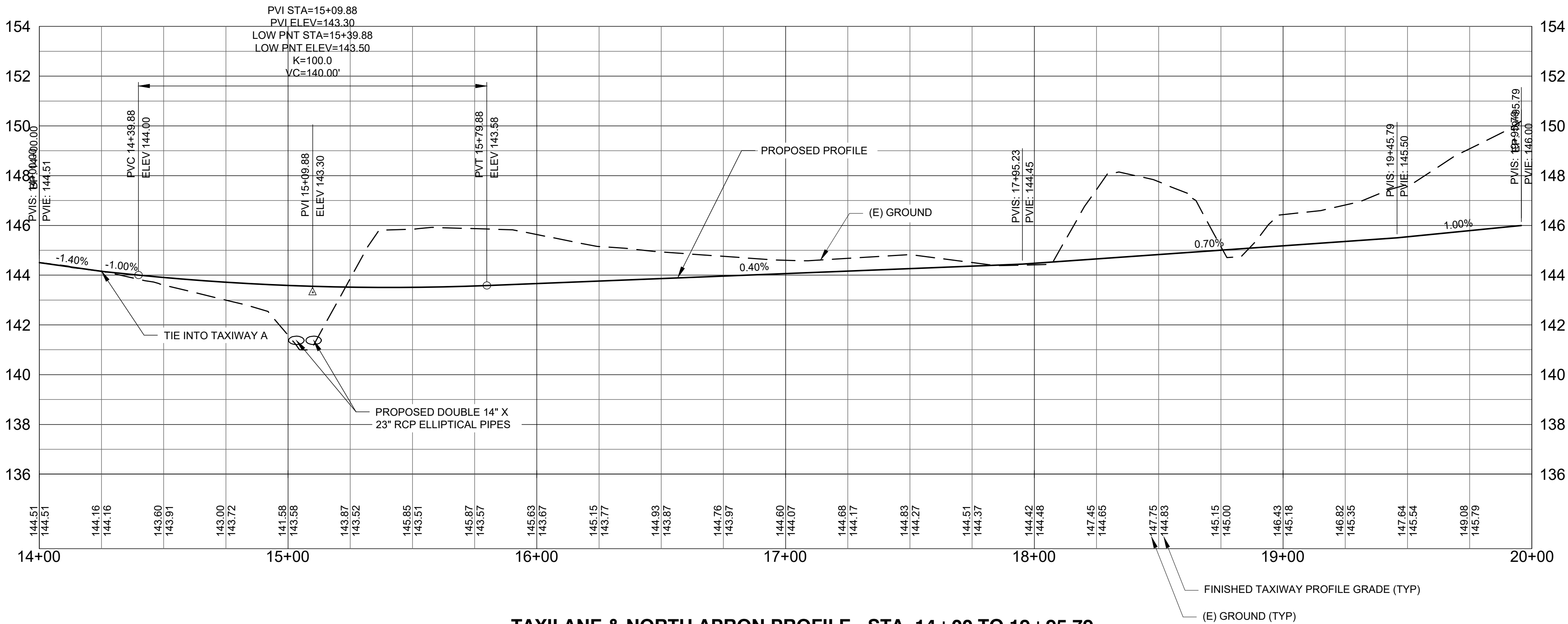
SHEET CONTENTS
GRADING PLAN

SHEET NO.

C-101



TAXILANE & NORTH APRON PLAN - STA. 14+00 TO 19+95.79



TAXILANE & NORTH APRON PROFILE - STA. 14+00 TO 19+95.79

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

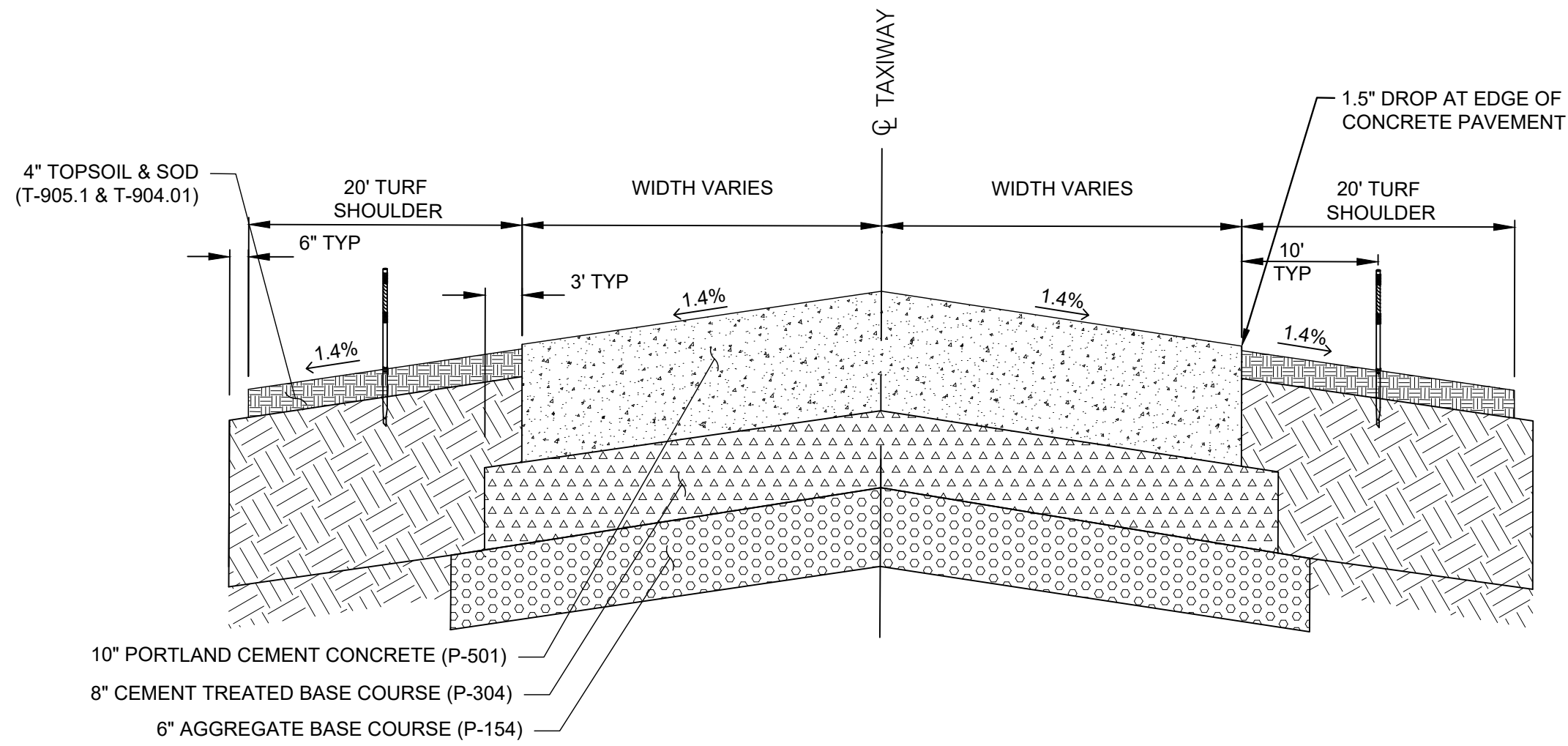
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

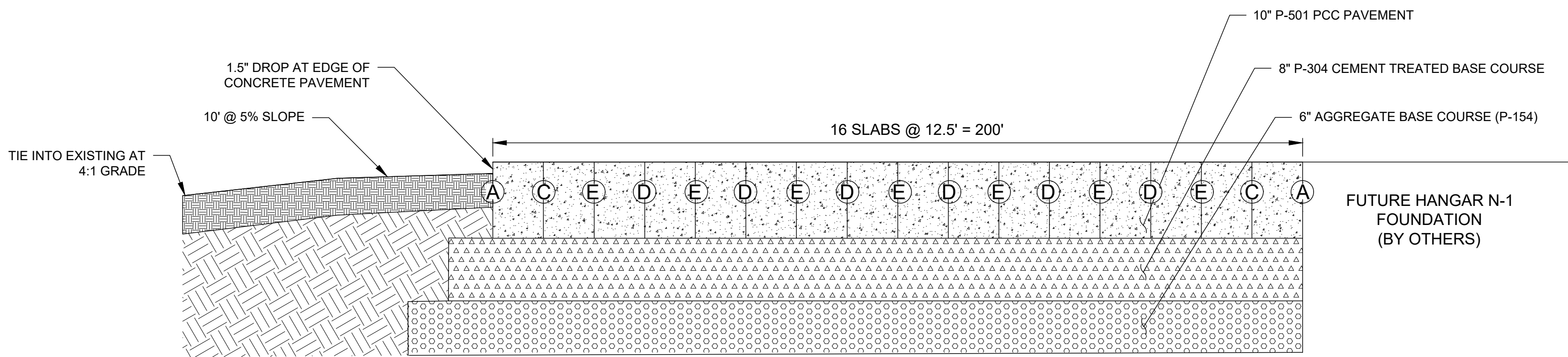
SHEET CONTENTS
PLAN & PROFILE

SHEET NO.

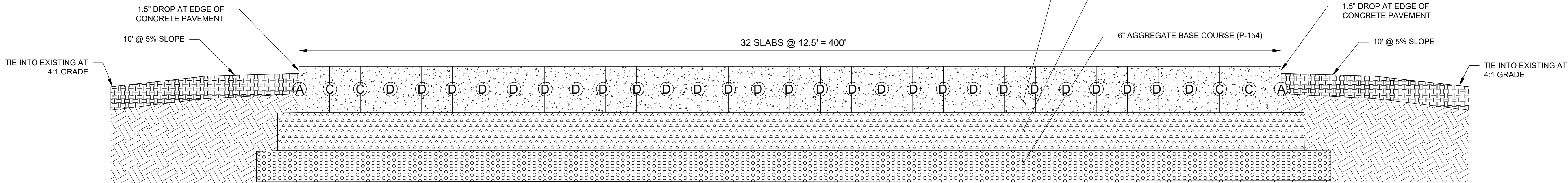
X:\01\9700\202061_01\TECH\CAD\DRAWINGS\C-301 TYPICAL SECTIONS.DWG
12/13/2021 4:05:05 PM



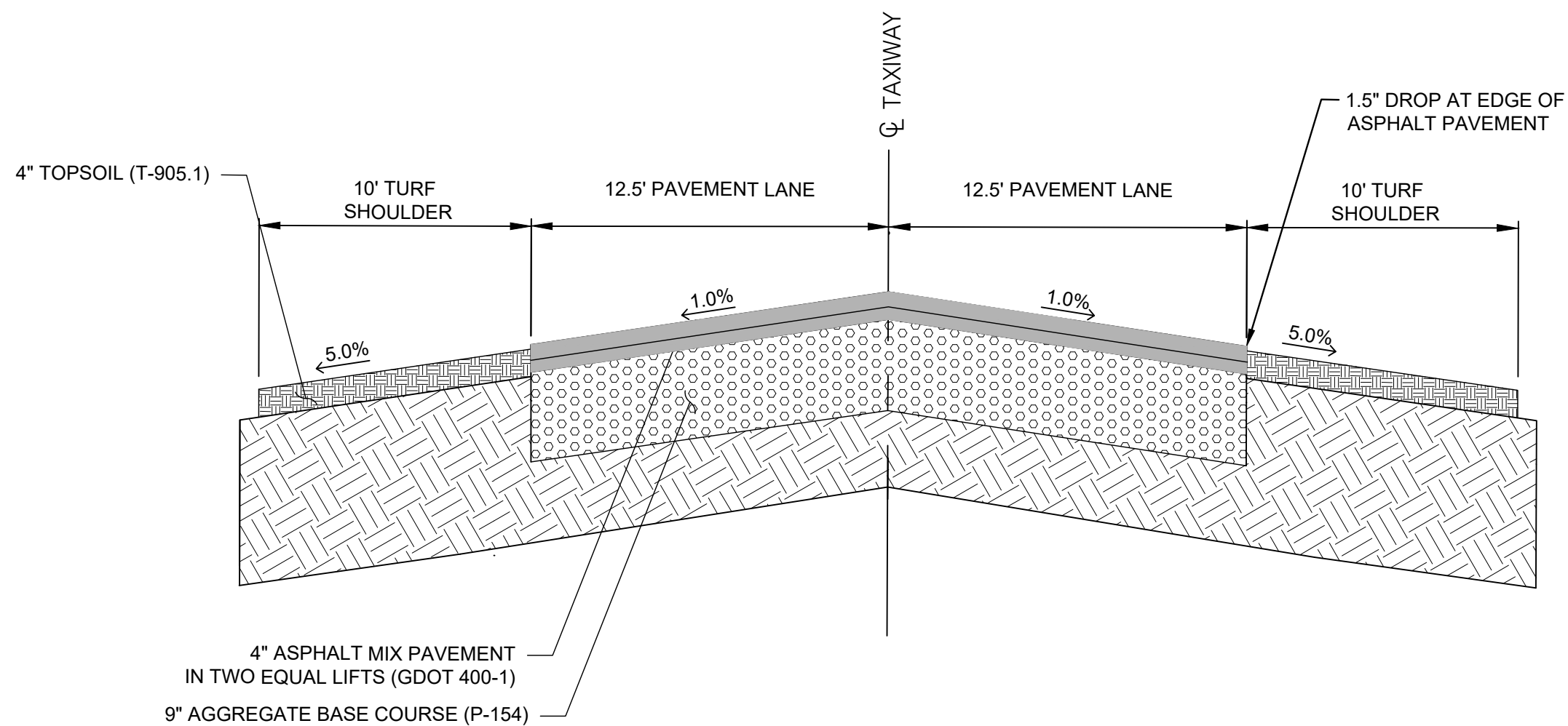
1 TYPICAL TAXILANE SECTION
NOT TO SCALE



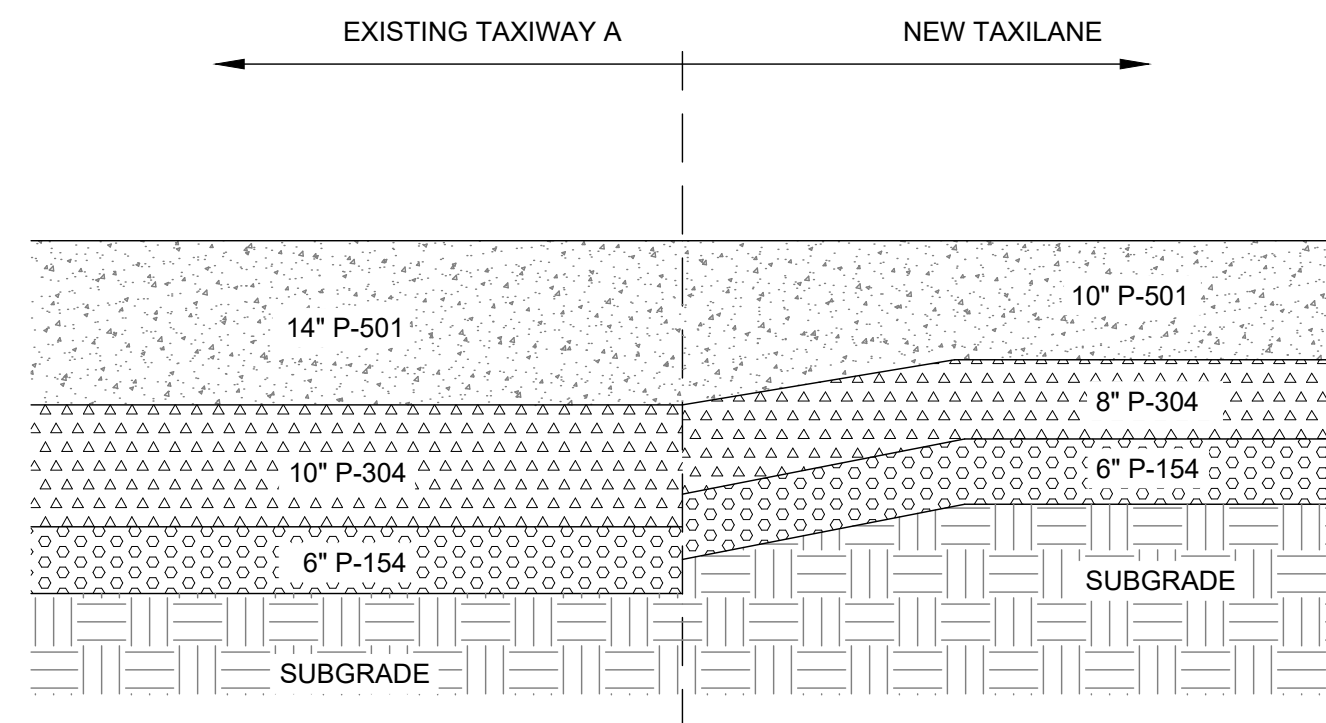
2 TYPICAL APRON SECTION
NOT TO SCALE



3 TYPICAL APRON SECTION
NOT TO SCALE



4 AIRPORT PERIMETER ROAD SECTION
NOT TO SCALE



5 TRANSITION SECTION
NOT TO SCALE

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

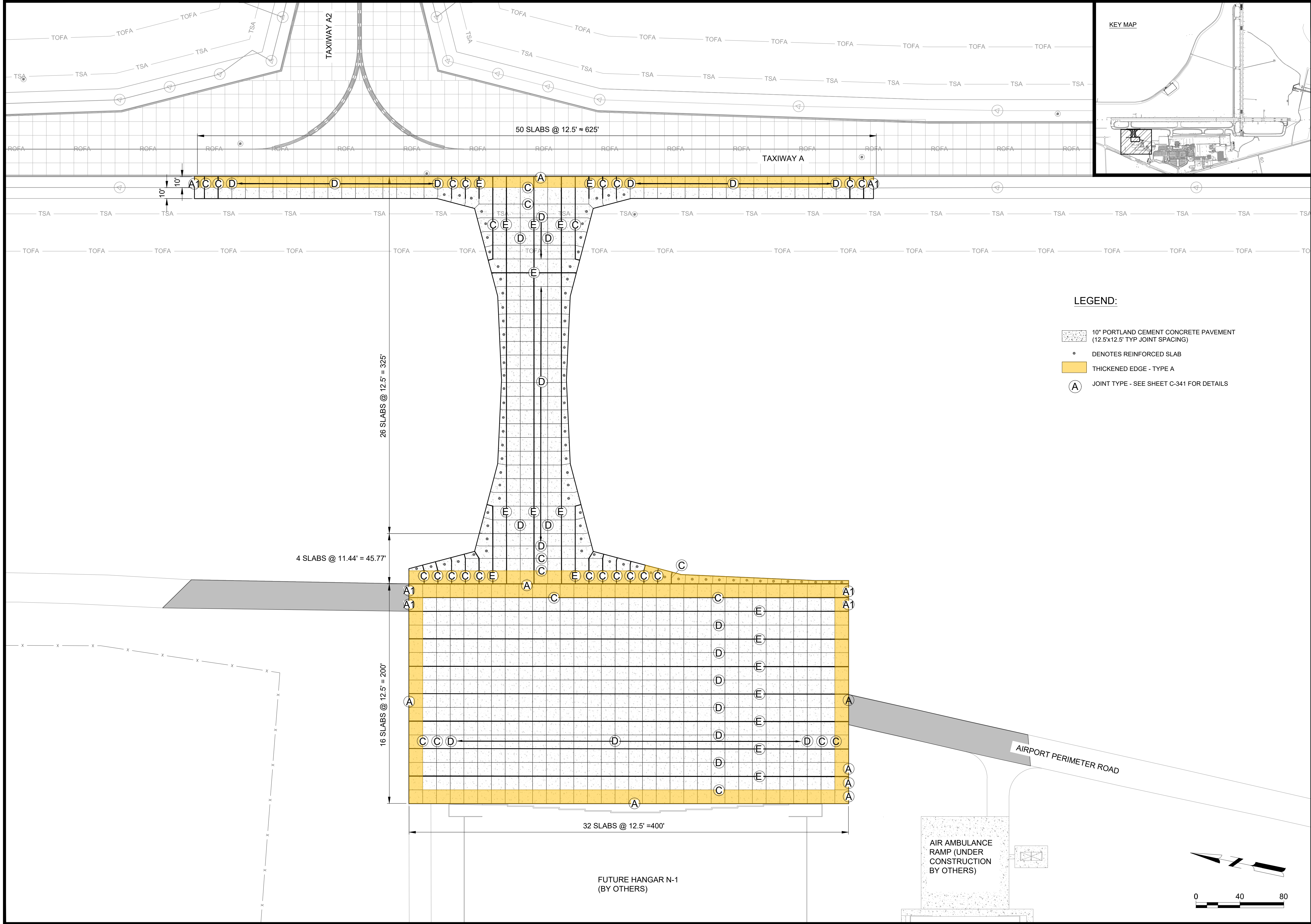
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
TYPICAL SECTIONS

SHEET NO.

C-301

X:\01\9700\202061\01\TECH\CAD\DRAWINGS\C-323 APRON SPOT ELEVATIONS.DWG
12/15/2021 5:29:12 PM



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta

Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and hold harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

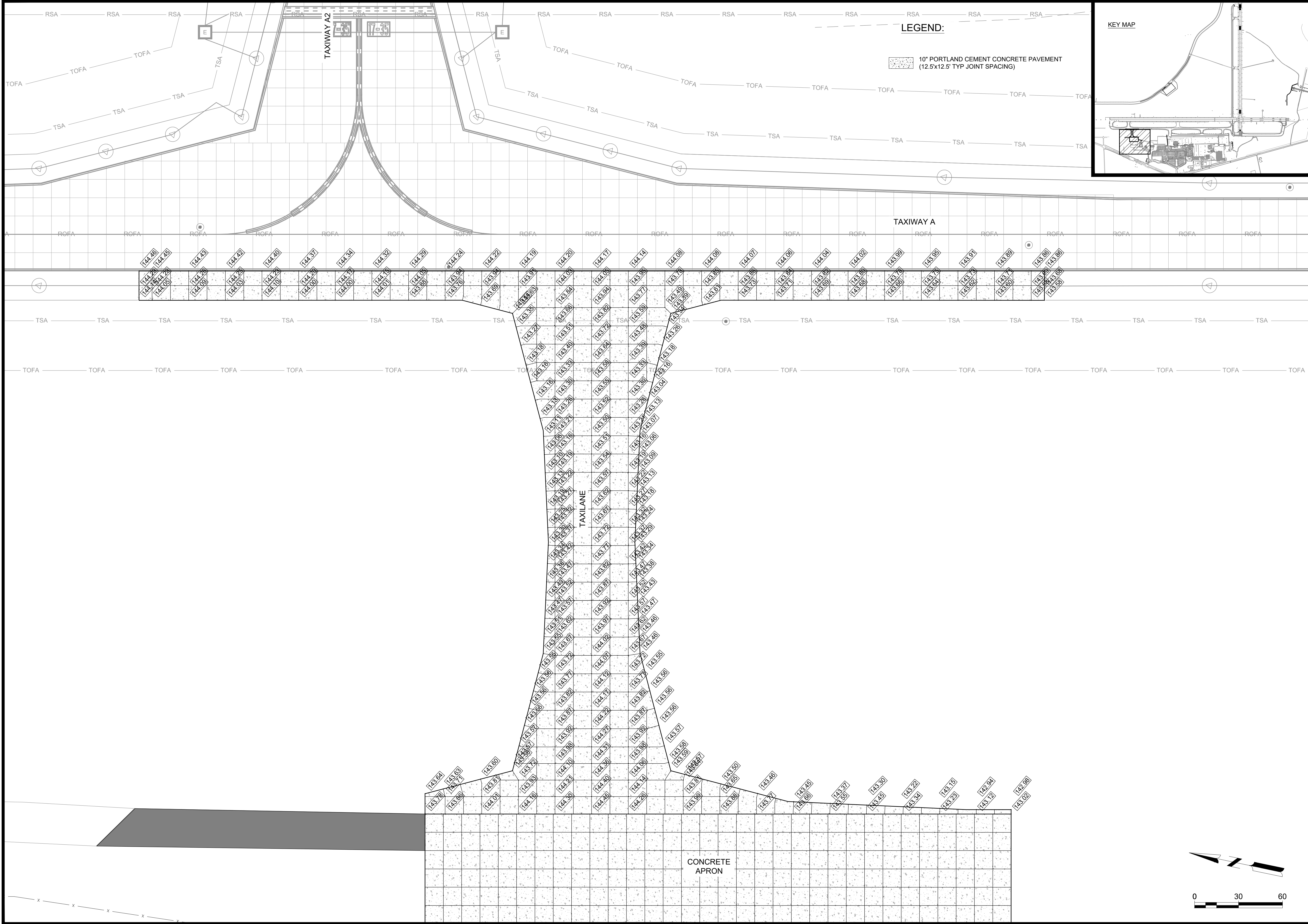
SHEET CONTENTS

JOINTING PLAN

SHEET NO.

C-321

X:\0119700\202061_01\TECH\CAD\DRAWINGS\C-323 APRON SPOT ELEVATIONS.DWG
12/13/2021 4:06:35 PM



AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
TAXILANE SPOT
ELEVATIONS

SHEET NO.

C-322

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
M&H NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS

APRON SPOT
ELEVATIONS

SHEET NO.

C-323

LEGEND:



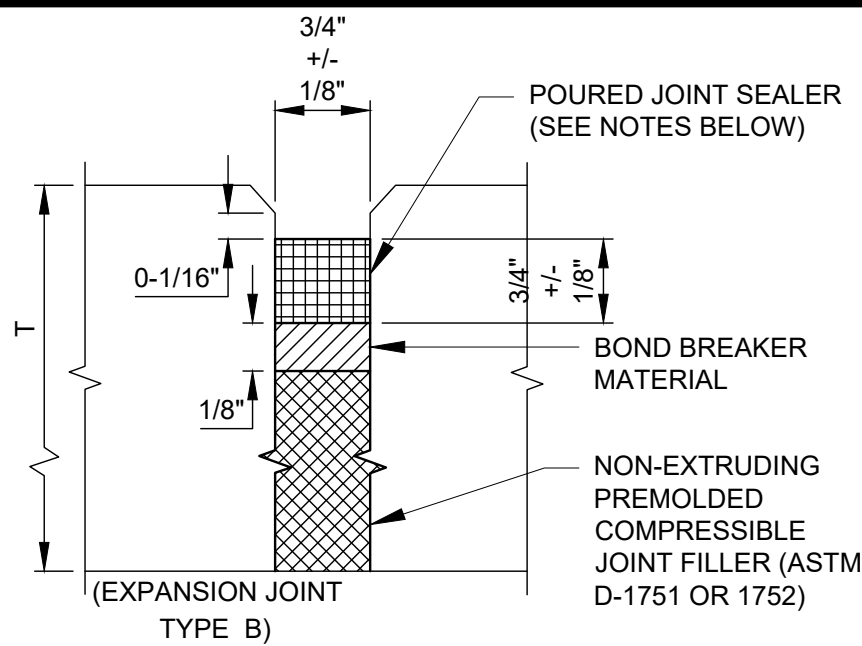
10" PORTLAND CEMENT CONCRETE PAVEMENT
(12.5'x12.5' TYP JOINT SPACING)

KEY MAP

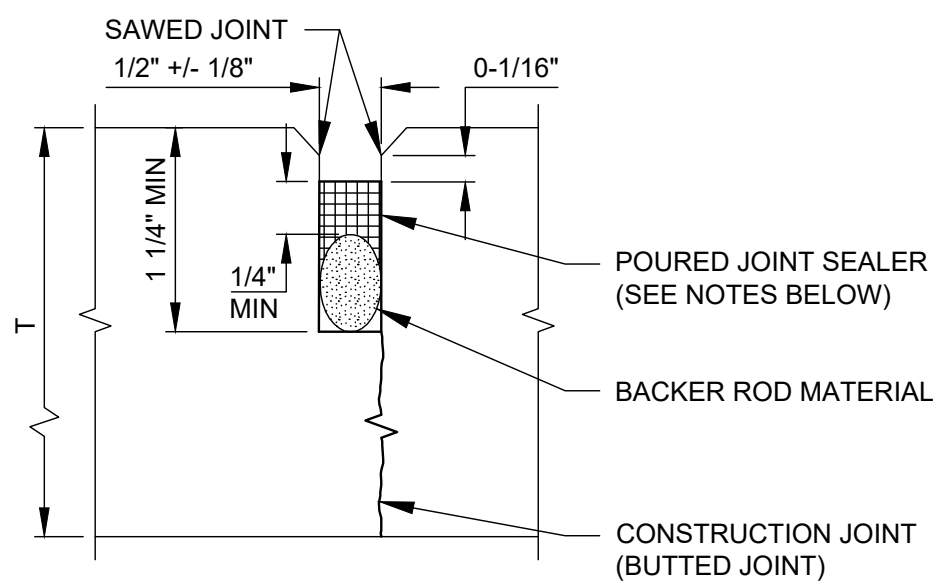
AIRPORT PERIMETER ROAD

AIRPORT PERIMETER ROAD

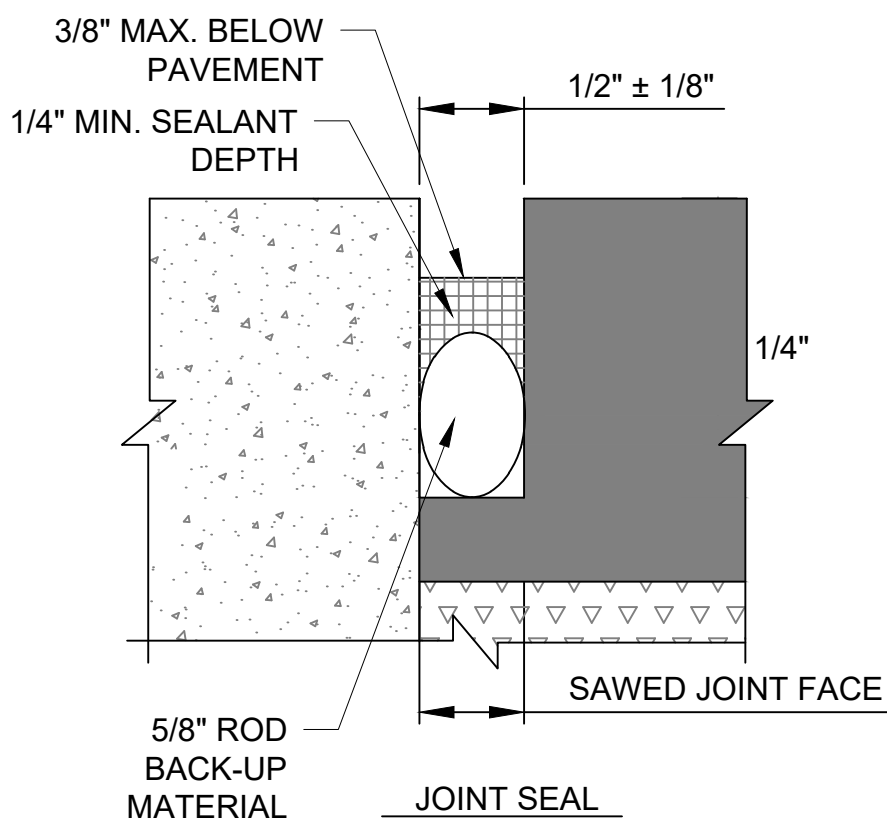
FUTURE HANGAR N-1
(BY OTHERS)



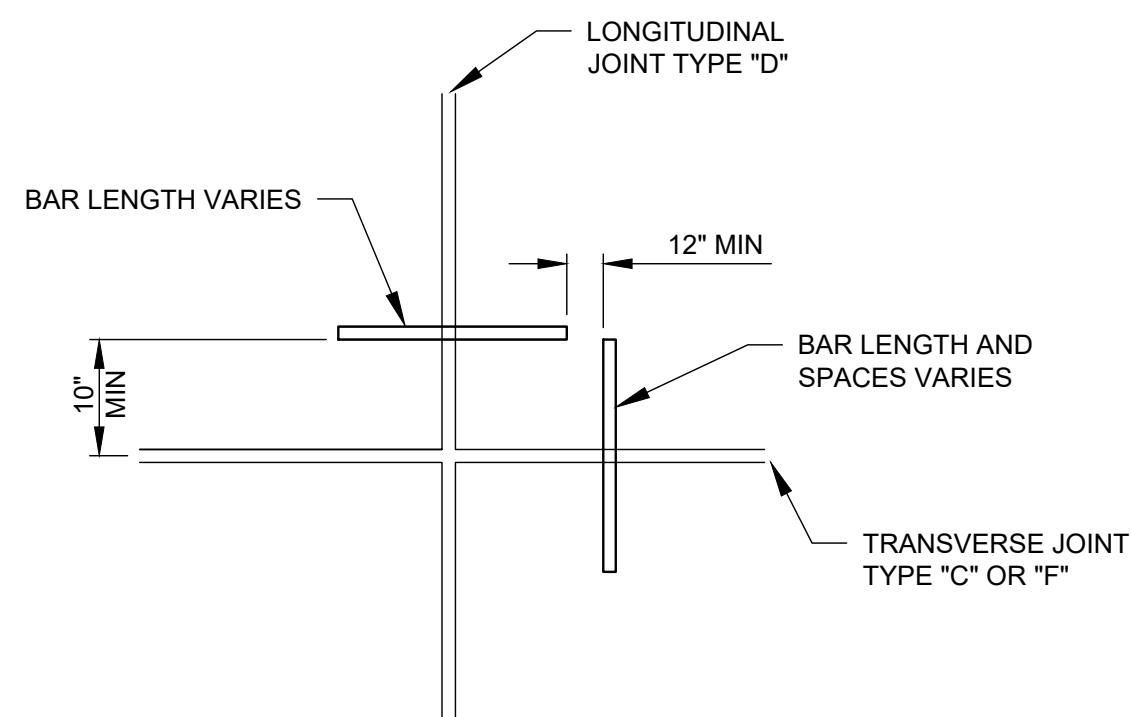
1 JOINT SEALER TYPE 1
NOT TO SCALE



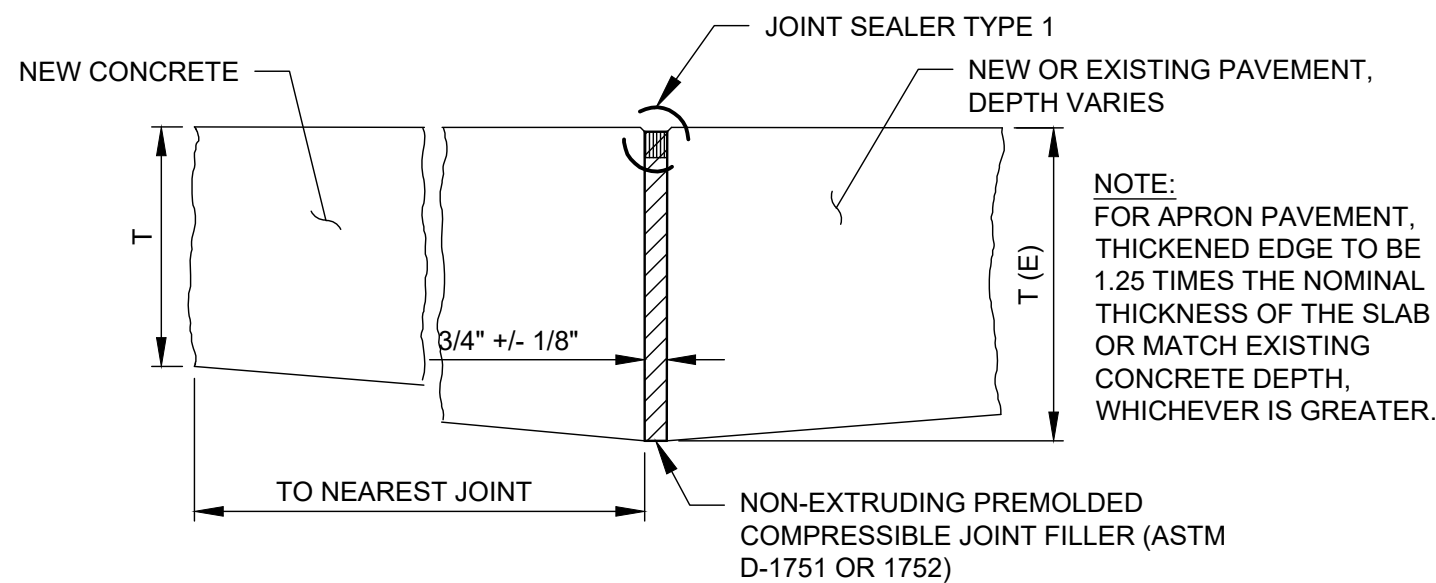
2 JOINT SEALER TYPE 2
NOT TO SCALE



3 JOINT SEALER TYPE 3
NOT TO SCALE

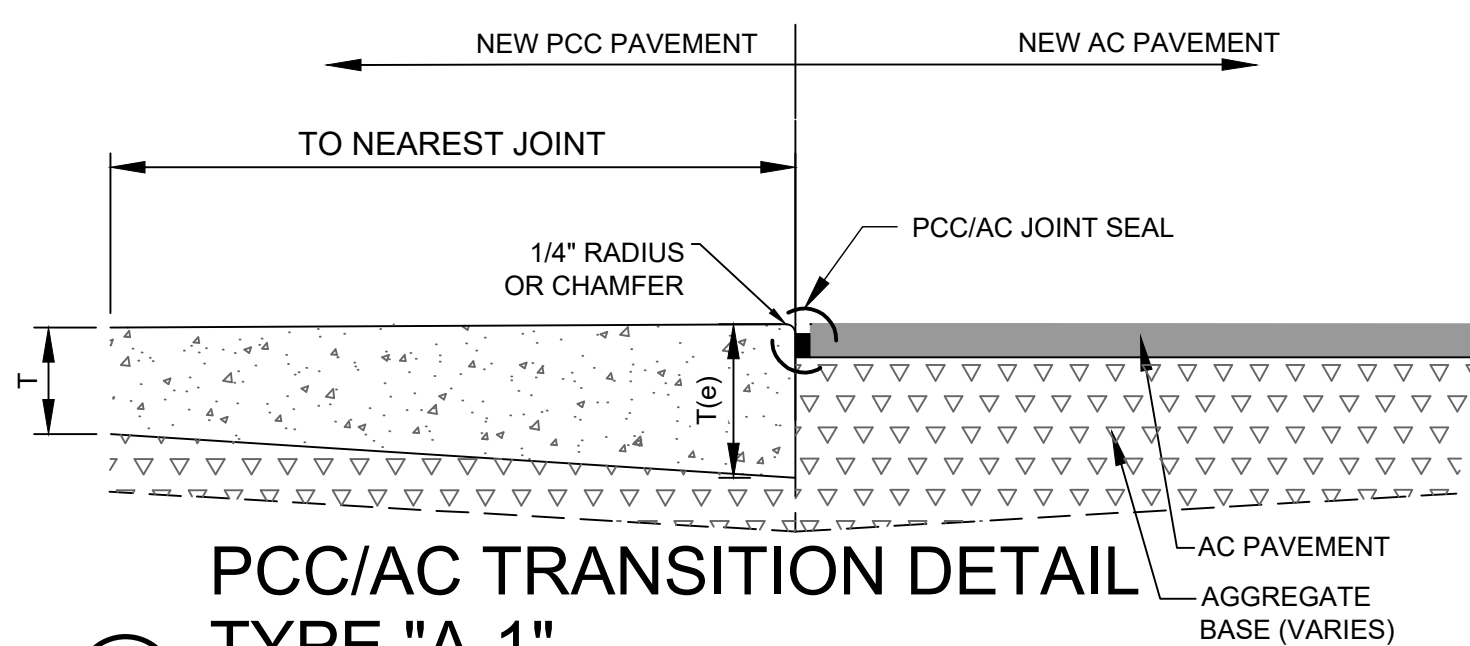


4 PCC/AC JOINT SEAL
NOT TO SCALE

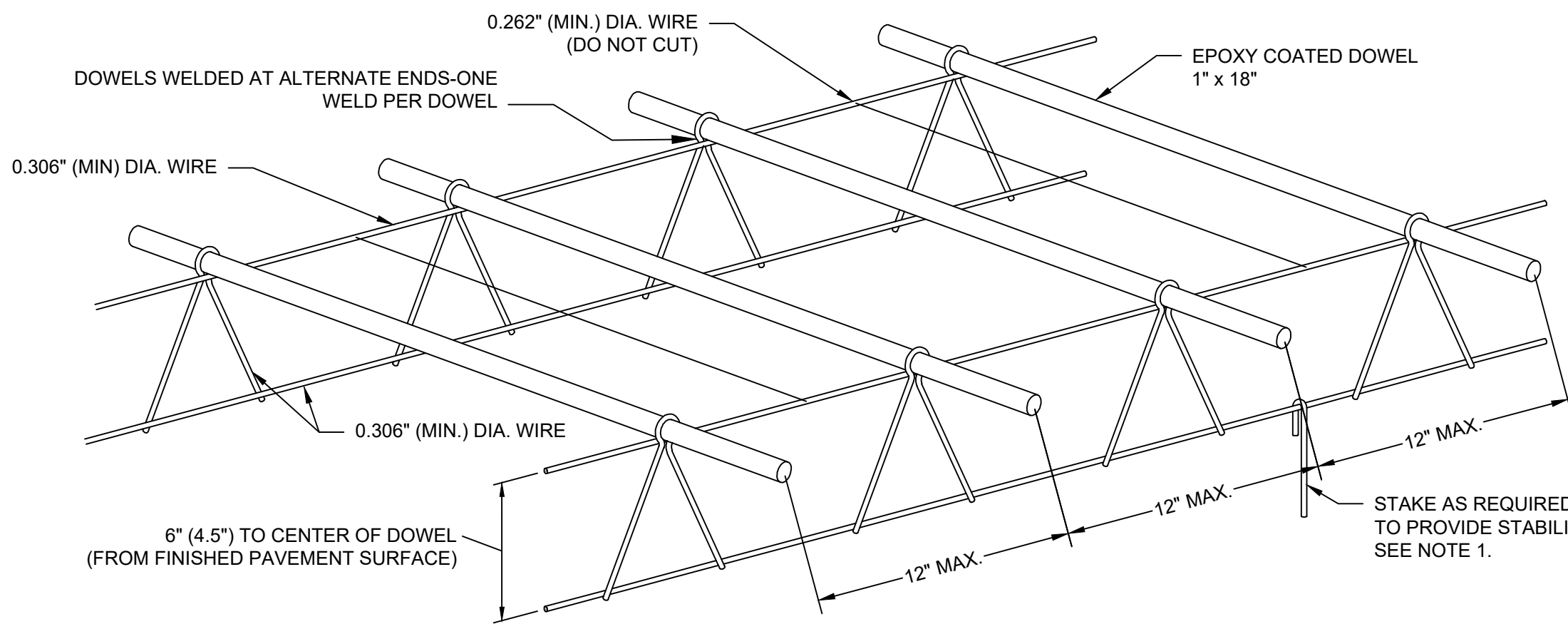


A THICKENED EDGE ISOLATION JOINT - TYPE "A"
NOT TO SCALE

6 POSITION OF DOWELS AT EDGE JOINT (TYPE C OR D)
NOT TO SCALE

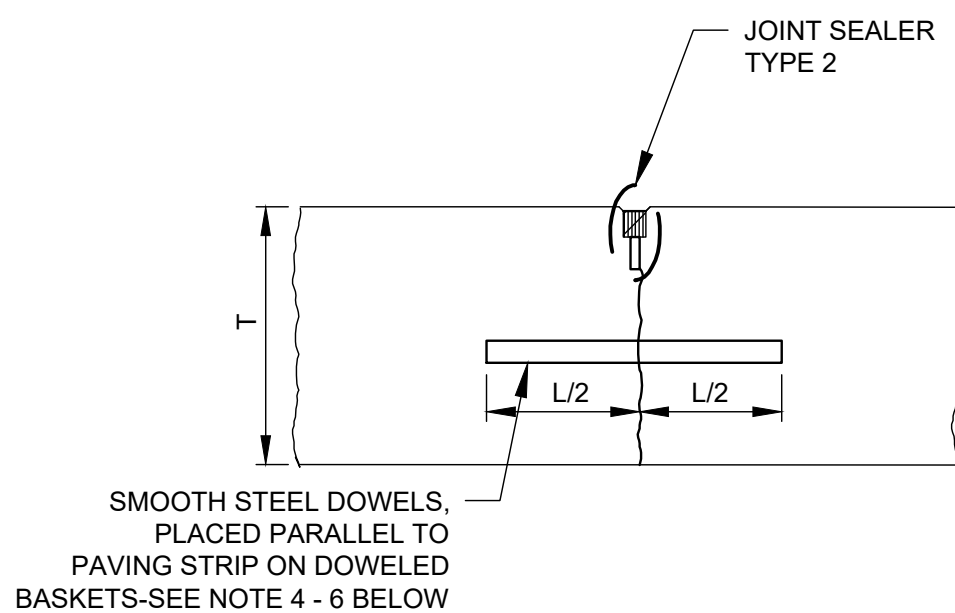


A-1 PCC/AC TRANSITION DETAIL TYPE "A-1"
NOT TO SCALE

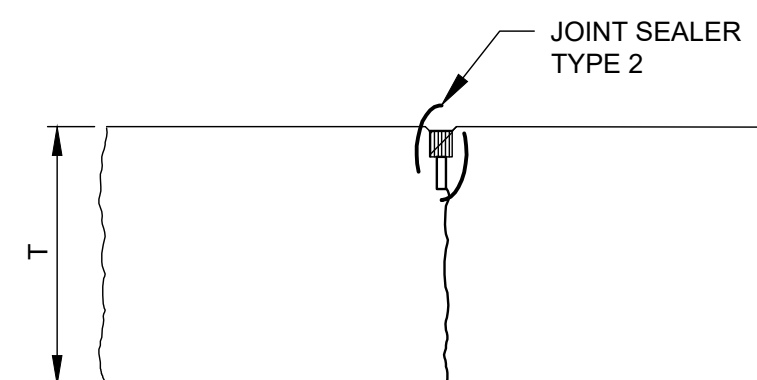


5 DOWEL BASKET ASSEMBLY
NOT TO SCALE

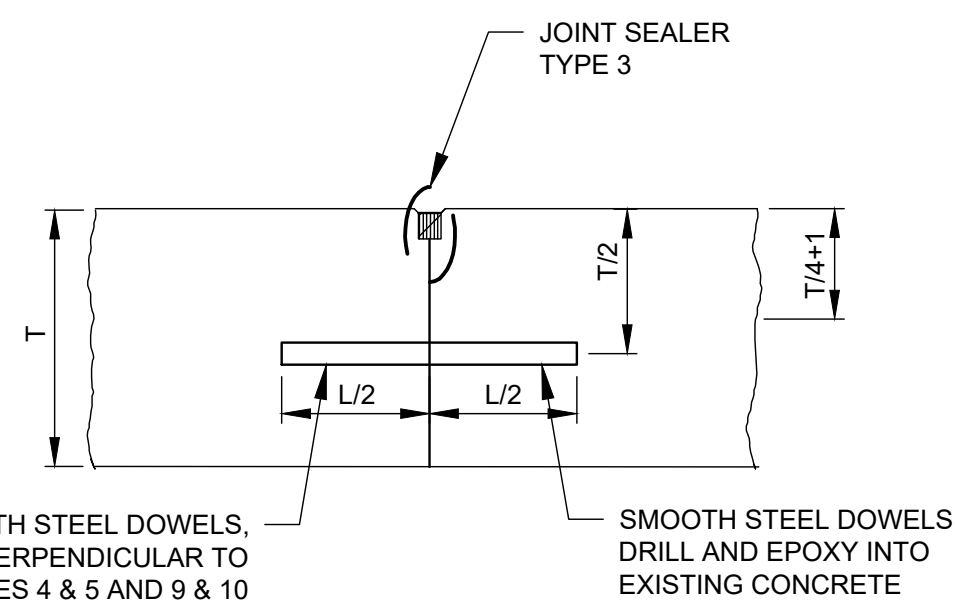
- SEALANT NOTES:
- SEALANT RESERVOIR SIZED TO PROVIDE PROPER SHAPE FACTOR, (WIDTH/DEPTH). DIFFERENT FIELD POURED SEALANTS REQUIRE DIFFERENT SHAPE FACTORS FOR OPTIMUM PERFORMANCE. USE MANUFACTURER'S RECOMMENDED SHAPE FACTOR.
 - ROD BACK-UP MATERIAL MUST BE COMPATIBLE WITH THE TYPE OF POURED SEALANT USED AND SIZED TO PROVIDE THE DESIRED SHAPE FACTOR.
 - SEE SPECIFICATION P-605 FOR SEALANT INFORMATION.
 - TOP OF SEALANT SHALL BE 1/4" TO 3/8" BELOW TOP OF PAVEMENT.
 - ALL JOINTS SHALL BE 1/4" - 45° BEVELED.
 - ALL SEALANTS USED SHALL BE JET FUEL RESISTANT.
 - THE INITIAL T/4 DEPTH OF SAWCUT SHOWN MAY BE INCREASED BY 25% IF EACH SUCCESSIVE WEAKENED PLANE DOES NOT CRACK, CAUSING EXCESSIVE OPENING AT CRACKS THAT DO DEVELOP. APPROVAL TO DO SO WILL BE REQUIRED FROM THE CONTRACTING OFFICER.



C DOWELED CONTRACTION JOINT - TYPE "C"
NOT TO SCALE



D DUMMY CONTRACTION JOINT - TYPE "D"
NOT TO SCALE



E DOWELED CONSTRUCTION JOINT - TYPE "E"
NOT TO SCALE
(ALSO USE WHERE PAVING OPERATIONS STOP)

- JOINT NOTES:
- "T" = SLAB THICKNESS, "L" = DOWEL LENGTH
 - "T" = 10" FOR TAXILANE PAVEMENT, "T" = 10" FOR APRON PAVEMENT.
 - FOR 10" P.C.C USE 15/16" DIA. x 18" EPOXY COATED DOWELS @ 12" C-C SPACING. (OIL PRIOR TO PLACING CONC.)
 - NO CHANGES IN THE JOINTING PATTERN SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE DESIGN ENGINEER.

- DOWEL NOTES:
- THE DOWEL BASKET ASSEMBLY SHOWN IS THE MINIMUM REQUIRED. THE REQUIREMENTS FOR THE DOWEL BASKETS ARE A PERFORMANCE SPECIFICATION AND IT WILL BE REQUIRED THAT THE CONTRACTOR PROVIDE SUFFICIENT SUPPORT, BRACING AND ANCHORAGE SO THAT THE AS CONSTRUCTED DOWELS WILL MEET THE TOLERANCE SPECIFICATIONS.
 - DOWELS TO MEET ASTM A615-GR-60 ALL MATERIALS TO BE PROVIDED SHALL BE SMELTED AND MANUFACTURED IN THE UNITED STATES.
 - DOWELS TO BE EPOXY COATED TO MEET AASHTO M-254-B 7 MIL MIN.
 - ENDS OF DOWELS TO BE EPOXY COATED.
 - DOWELS TO BE LUBRICATED IN THE THE FIELD .
 - DOWEL ASSEMBLY LENGTH AS REQUIRED.

Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

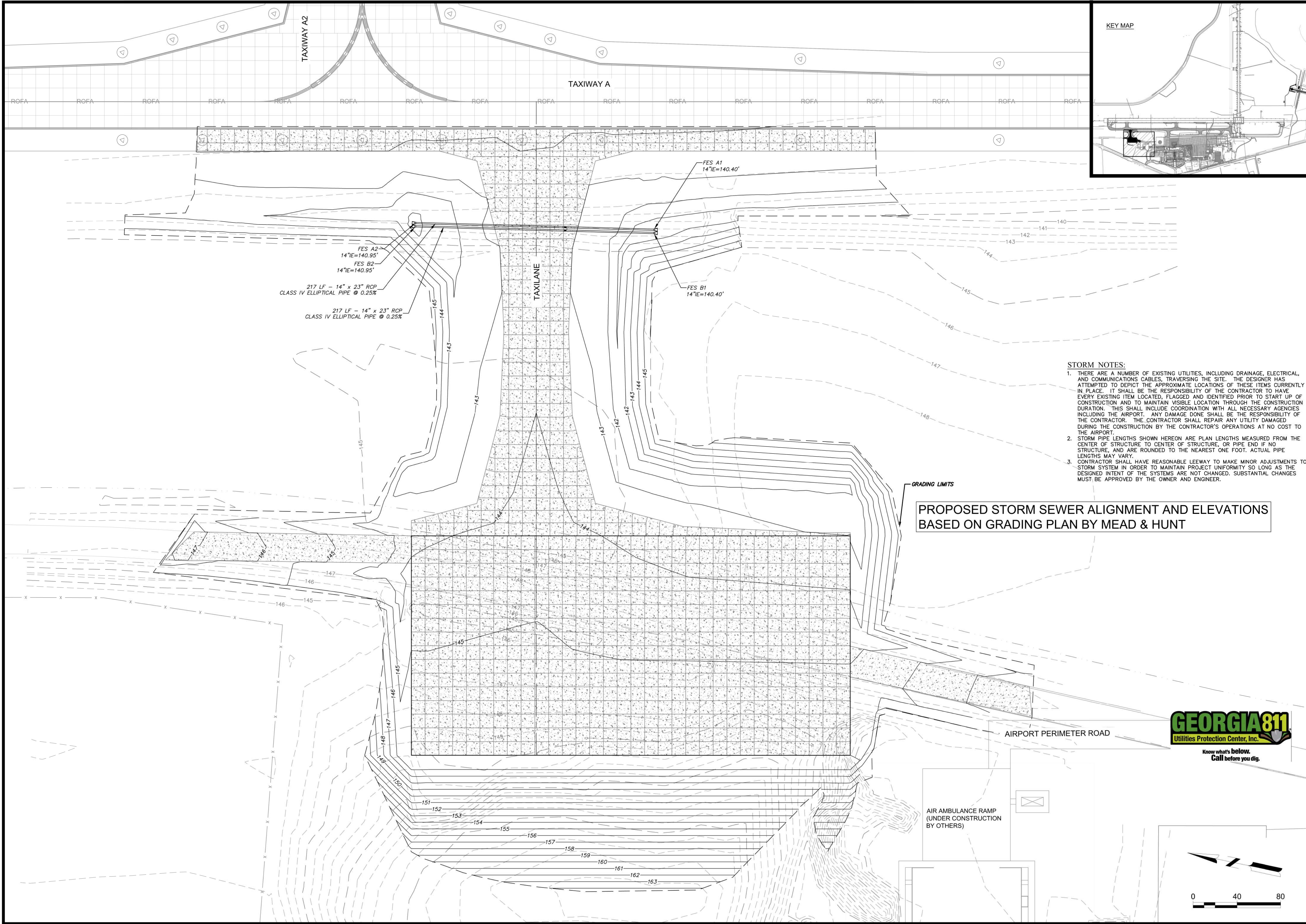
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
PAVING DETAILS

SHEET NO.

C-341

G:\AAA-ACTIVE JOBS\2020-2020-0350_AGS - HANGER N-1 APRON AND TAXILANE\AAA - DRAWINGS\CIVIL\2020-0350_STORM.DWG
12/2/2021 10:57:12 AM



- STORM NOTES:**
1. THERE ARE A NUMBER OF EXISTING UTILITIES, INCLUDING DRAINAGE, ELECTRICAL, AND COMMUNICATIONS CABLES, TRAVERSING THE SITE. THE DESIGNER HAS ATTEMPTED TO DEPICT THE APPROXIMATE LOCATIONS OF THESE ITEMS CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY EXISTING ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO START UP OF CONSTRUCTION AND TO MAINTAIN VISIBLE LOCATION THROUGH THE CONSTRUCTION DURATION. THIS SHALL INCLUDE COORDINATION WITH ALL NECESSARY AGENCIES INCLUDING THE AIRPORT. ANY DAMAGE DONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY UTILITY DAMAGED DURING THE CONSTRUCTION BY THE CONTRACTOR'S OPERATIONS AT NO COST TO THE AIRPORT.
 2. STORM PIPE LENGTHS SHOWN HEREON ARE PLAN LENGTHS MEASURED FROM THE CENTER OF STRUCTURE TO CENTER OF STRUCTURE, OR PIPE END IF NO STRUCTURE, AND ARE ROUNDED TO THE NEAREST ONE FOOT. ACTUAL PIPE LENGTHS MAY VARY.
 3. CONTRACTOR SHALL HAVE REASONABLE LEEWAY TO MAKE MINOR ADJUSTMENTS TO STORM SYSTEM IN ORDER TO MAINTAIN PROJECT UNIFORMITY SO LONG AS THE DESIGNED INTENT OF THE SYSTEMS ARE NOT CHANGED. SUBSTANTIAL CHANGES MUST BE APPROVED BY THE OWNER AND ENGINEER.

PROPOSED STORM SEWER ALIGNMENT AND ELEVATIONS
BASED ON GRADING PLAN BY MEAD & HUNT

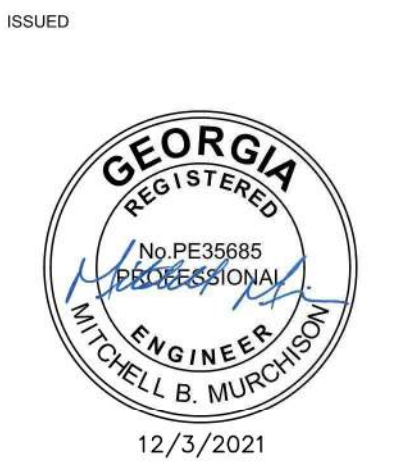


Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and released from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**
1501 AVIATION WAY
AUGUSTA, GA 30906-9620



ISSUE FOR BID

AIP NO:	3-13-011-045-2020
MSH NO:	0119700-202061.01
DATE:	DECEMBER 3, 2021
DESIGNED BY:	MBM
DRAWN BY:	MAB
CHECKED BY:	WPM
DO NOT SCALE DRAWINGS	

SHEET CONTENTS
STORM PLAN

SHEET NO.
C-441

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED



12/3/2021

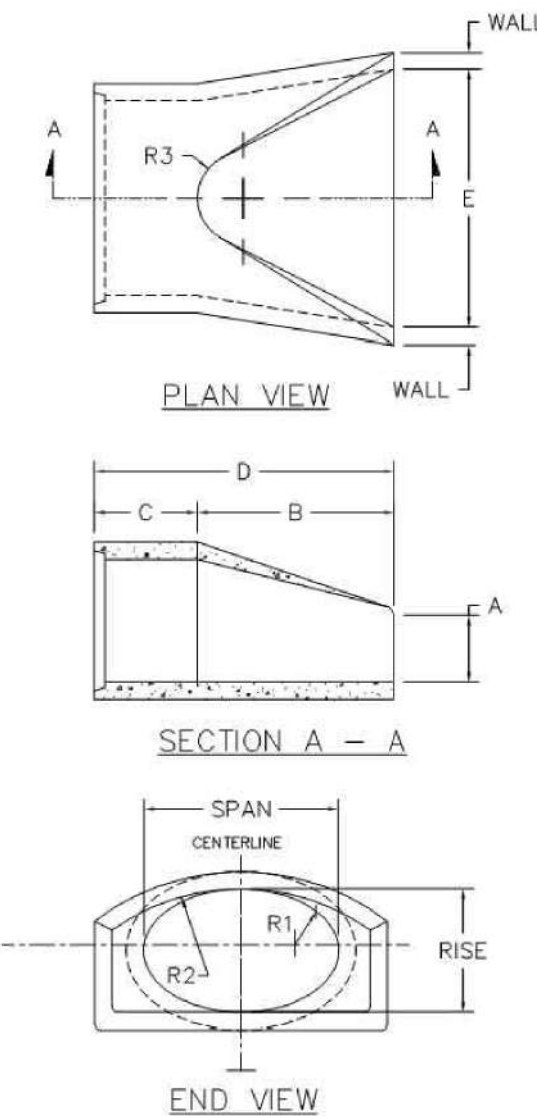
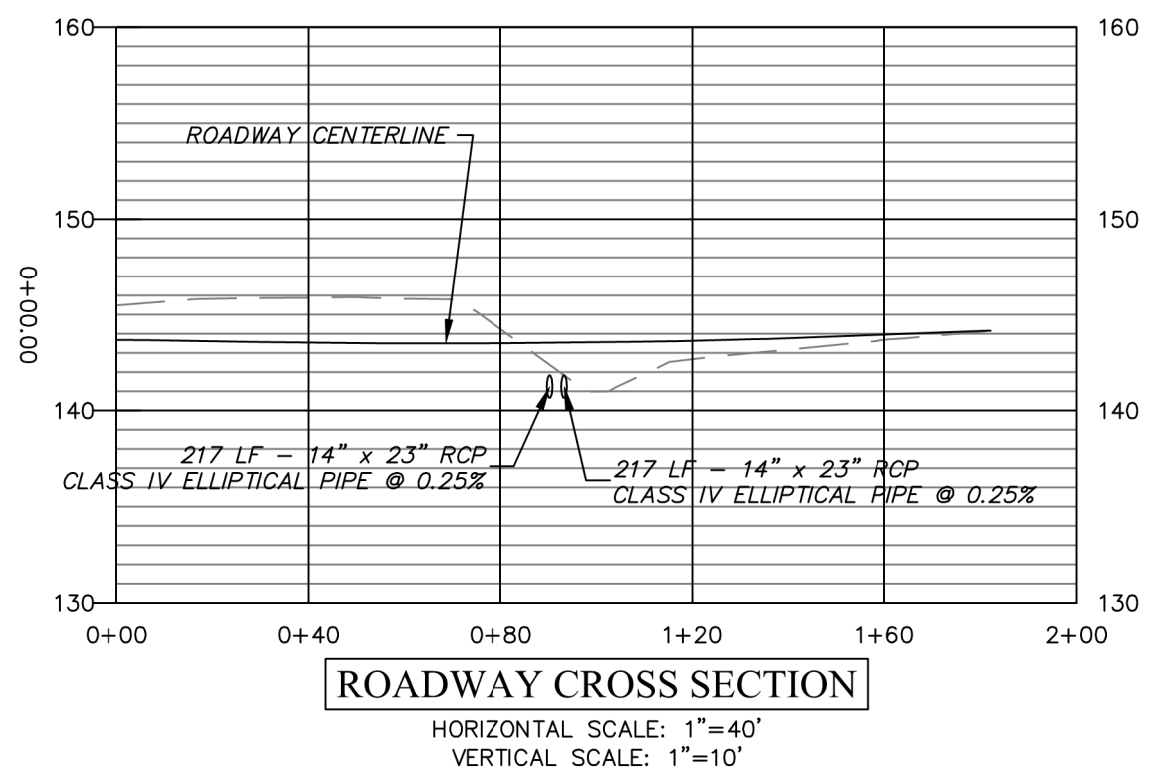
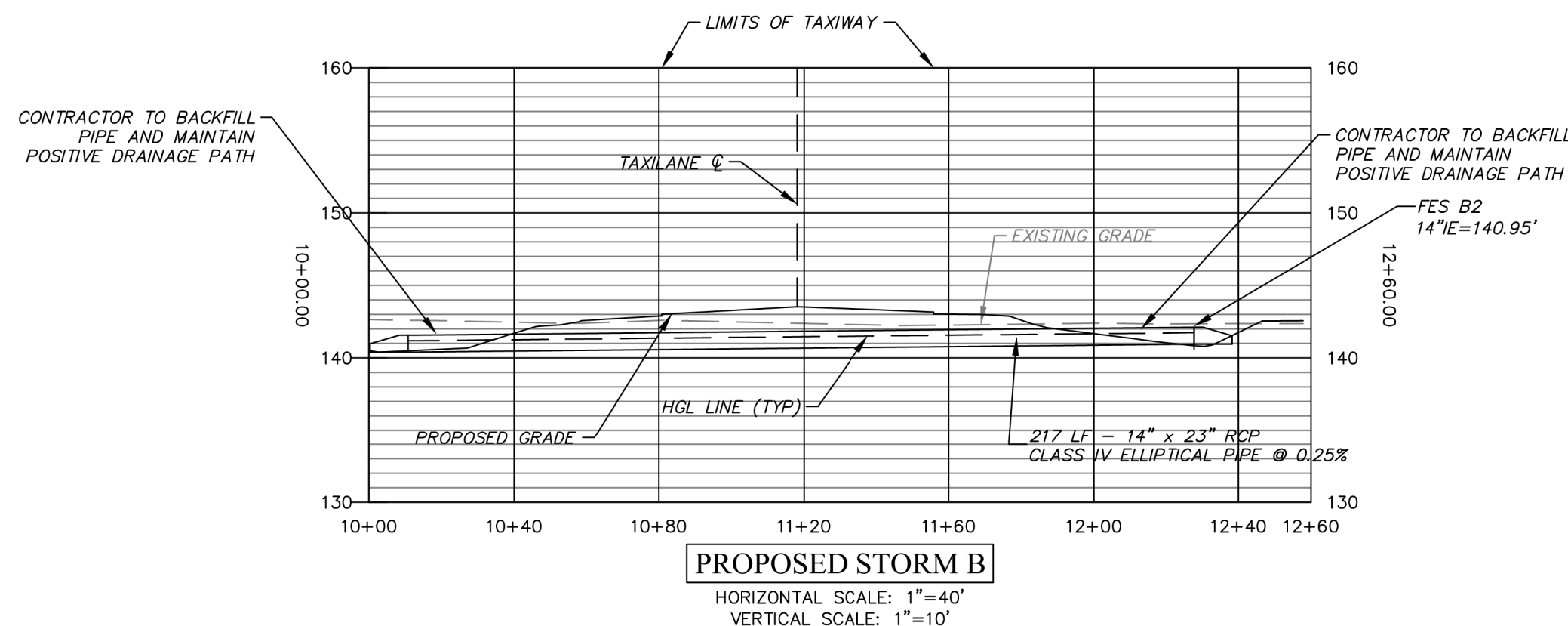
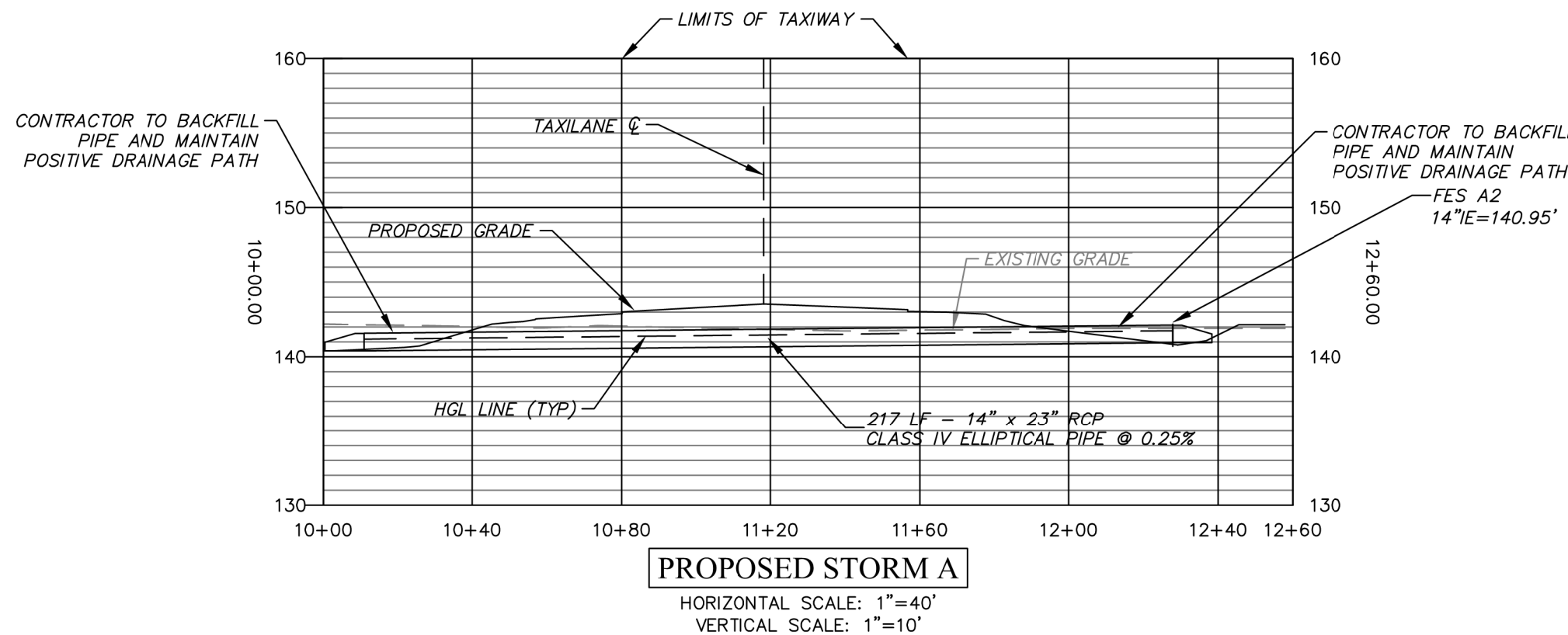
ISSUE FOR BID

AIP NO: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 3, 2021
DESIGNED BY: MBM
DRAWN BY: MAB
CHECKED BY: WPM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
STORM PROFILE PLAN
& STORM DETAILS

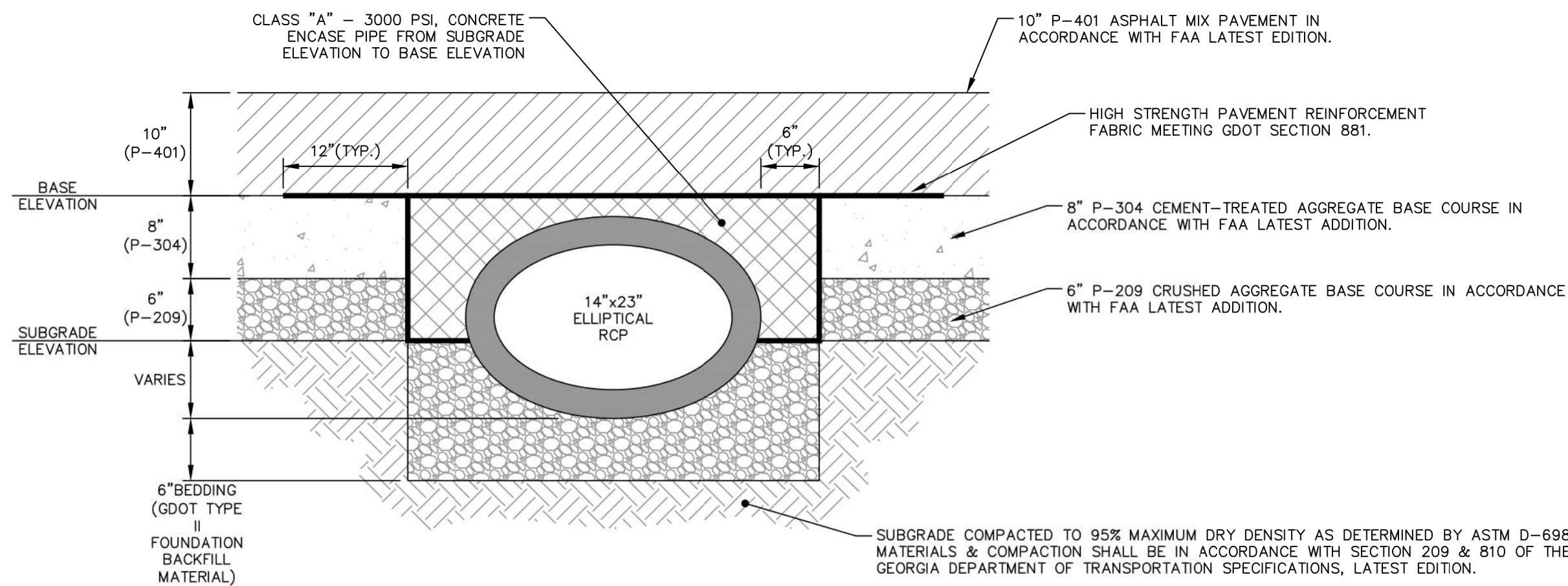
SHEET NO.

C-451



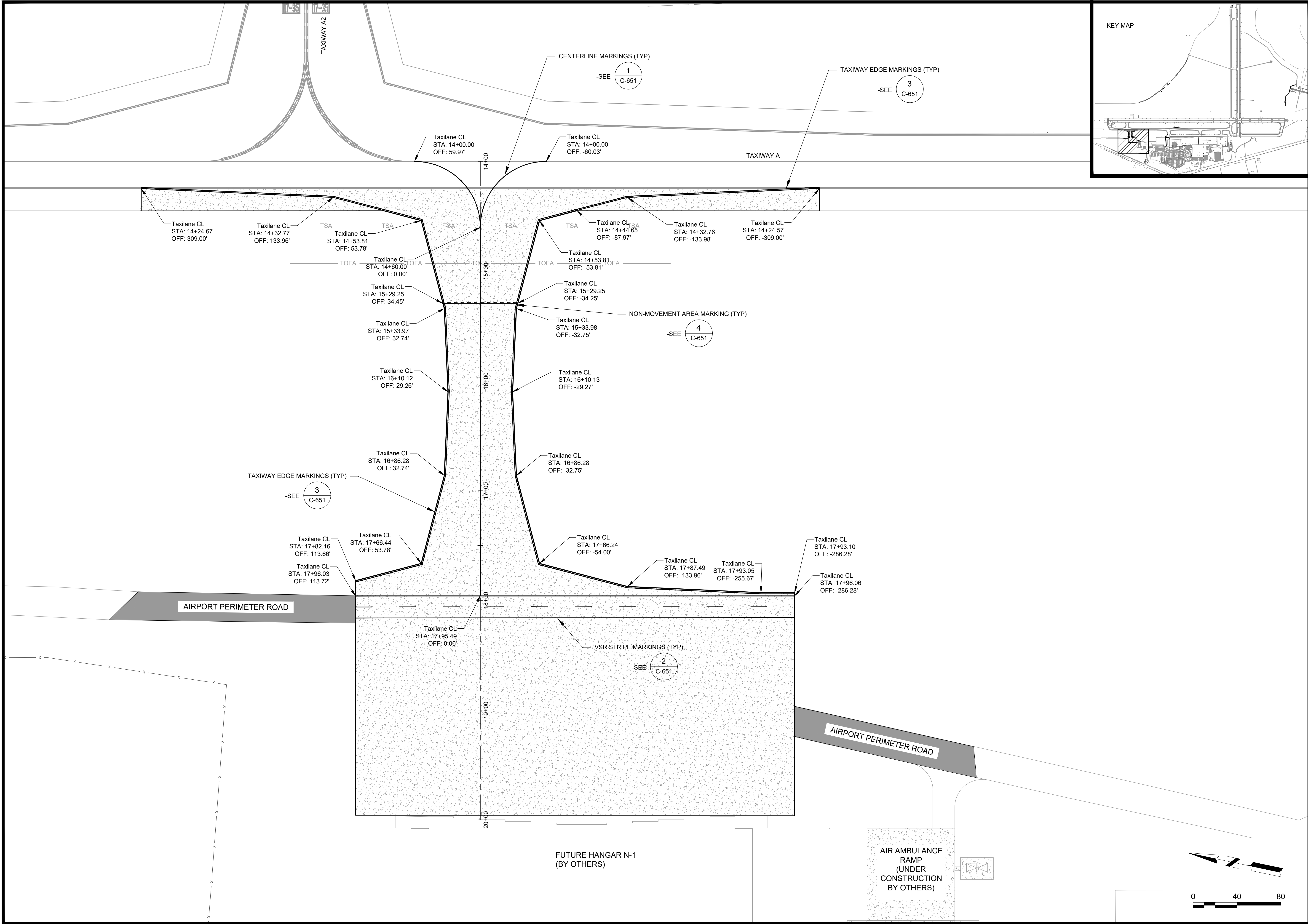
EQUIVALENT CIRCULAR PIPE DIAMETER	NOMINAL INSIDE RISE x SPAN	WALL THICKNESS	APPROX. WEIGHT	FLARE LENGTH A	FLARE LENGTH B	BARREL LENGTH C	LAY LENGTH D	FLARE WIDTH E	R-1	R-2	R-3
18"	14" x 23"	2-1/4"	1300	8"	2'-4"	3'-0"	6'-1"	30"	8'-3/32"	18-15/16"	6"
24"	19" x 30"	2-1/4"	1875	8-1/2"	3'-4"	2'-0"	6'-1"	48"	8'-7/32"	26-1/4"	7"
30"	24" x 38"	2-1/4"	2650	1'-1/2"	4'-4"	1'-4"	8'-0"	66"	10'-1/4"	32-13/16"	8"
36"	29" x 46"	2-1/2"	4460	1'-11/16"	5'-1"	2'-0"	8'-1"	72"	11'-5/8"	38-1/8"	10"
42"	34" x 53"	3"	6458	1'-5/16"	5'-0"	3'-0"	8'-0"	78"	14'-9/32"	45'-29/32"	12"
48"	39" x 60"	3-1/2"	7970	2"	5'-0"	3'-0"	8'-0"	84"	15'-7/16"	51'-19/32"	14"
54"	43" x 66"	4"	9999	2'-1/2"	5'-0"	3'-0"	8'-0"	90"	18'-21/32"	58'-19/32"	16"

CONTRACTOR TO PROVIDE FES PER THIS DETAIL OR AN APPROVED EQUAL
ELLIPTICAL FLARED END SECTION DETAIL
N.T.S.



- NOTES:
- PAVEMENT SECTION SHOWN IS PROVIDED BY MEAD & HUNT.
 - CONTRACTOR TO FIELD VERIFY ALL ELEVATIONS AND CLEARANCES PRIOR TO CONSTRUCTION.
 - PAVEMENT REINFORCEMENT FABRIC TO BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.

X:\0119700\202061_01\TECH\CAD\DRAWINGS\C-651 MARKING PLAN.DWG
12/13/2021 4:07:36 PM



Mead & Hunt
Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

**AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

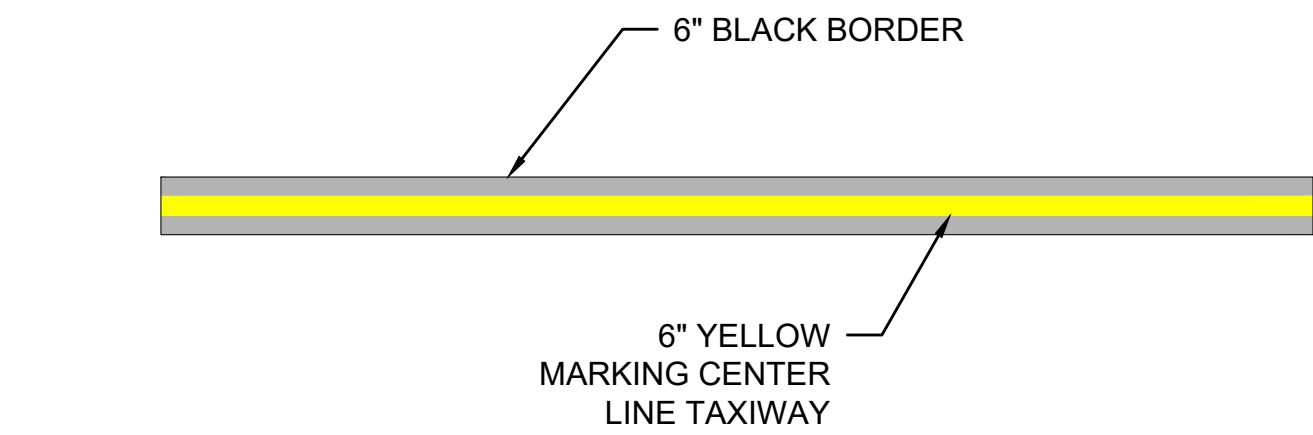
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: DES
DO NOT SCALE DRAWINGS

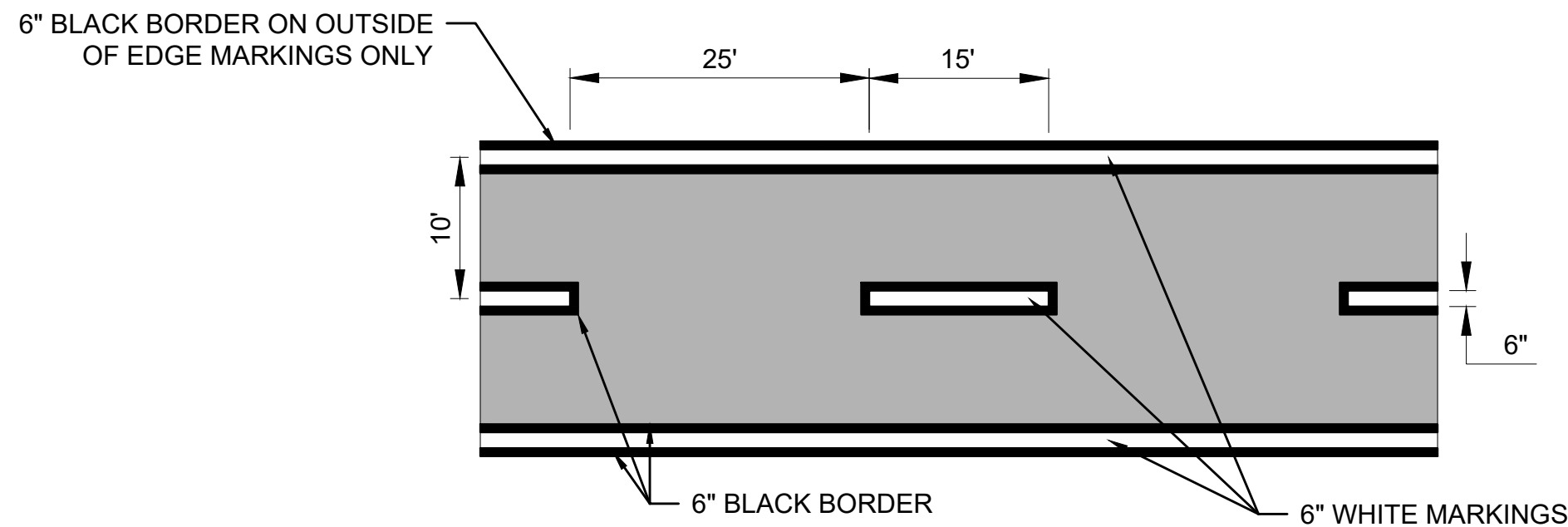
SHEET CONTENTS
MARKING PLAN

SHEET NO.

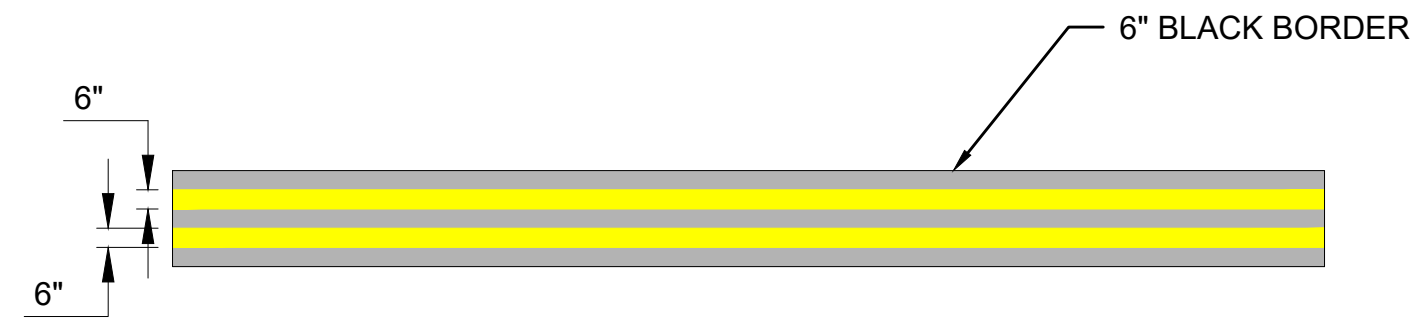
C-651



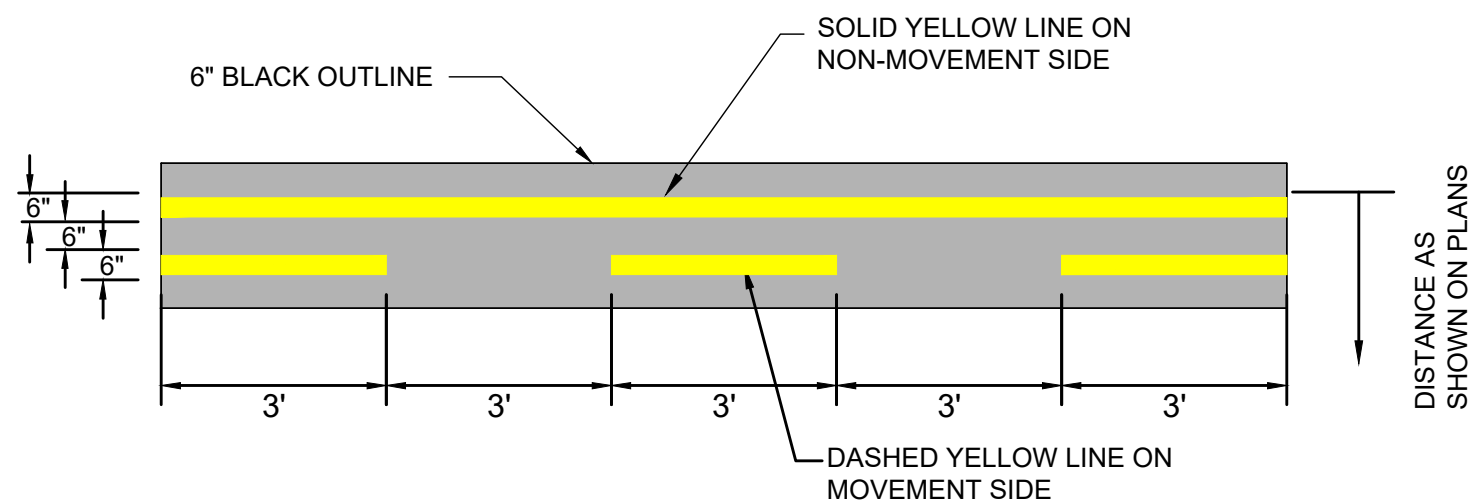
1 TAXIWAY / TAXLANE CENTERLINE AND LEAD-IN MARKING
NOT TO SCALE



2 VSR STRIPE MARKING
NOT TO SCALE



3 TAXIWAY EDGE MARKING
NOT TO SCALE



4 NON-MOVEMENT AREA MARKING
NOT TO SCALE

NOTES:

- ALL WATERBORNE PAINT SHALL CONTAIN A MICROBICIDE THAT PROVIDES MICROBIAL EFFICACY FOR A PERIOD OF NO LESS THAN 3 YEARS. THE MICROBICIDE SHALL BE BLENDED HOMOGOENOUSLY WITH THE PAINT UNDER HIGH SPEED DISPERSION DURING THE PRODUCTION BY THE SUPPLIER/MANUFACTURER. THE FINALL HOMOGENOUS BLEND OF MICROBICIDE TREATED PAINT SHALL CONFORM TO THE SAME VISCOSITY STABILITY STANDARDS AS SPECIFIED IN TT-P-1925F. DOW (FORMERLY ROHM AND HASS) ROCIMA 63 MICROBICIDE (OR OTHER APPROVED EQUIVALENT) SHALL BE ADDED AT A RATE OF 10 POUNDS PER 100 GALLONS OF PAINT. OTHER PRODUCTS MAY BE AVAILABLE THAT MEET OR EXCEED THESE SPECIFICATIONS.
- ALL FINAL MARKINGS SHALL BE REFLECTIVE AND HAVE GLASS BEADS.
- HALF RATE MARKINGS (WITHOUT GLASS BEADS) SHALL BE INSTALLED UPON COMPLETION OF PAVING.

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: DES
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
MARKING DETAILS

SHEET NO.

C-671

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

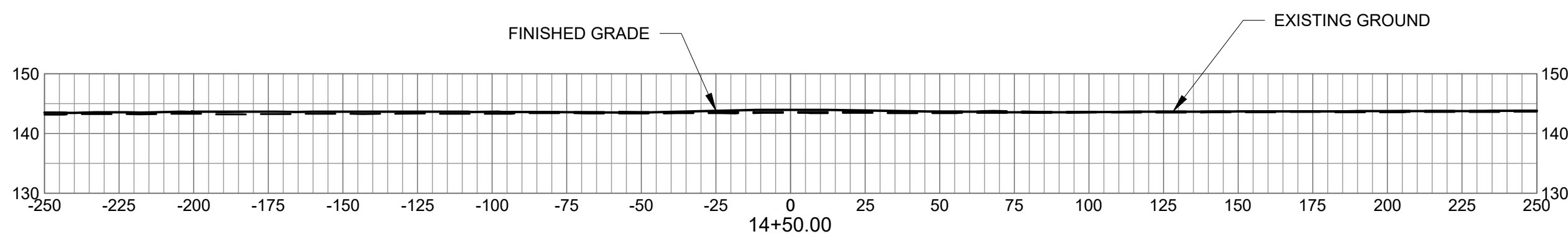
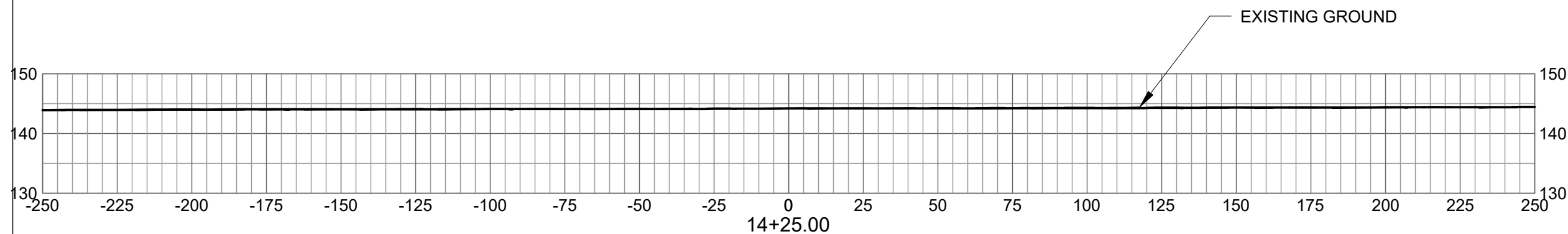
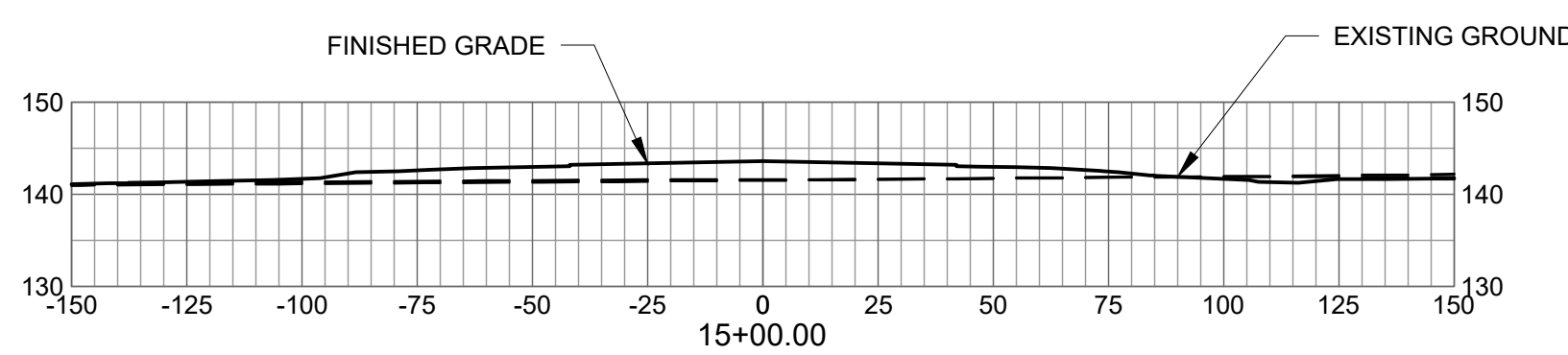
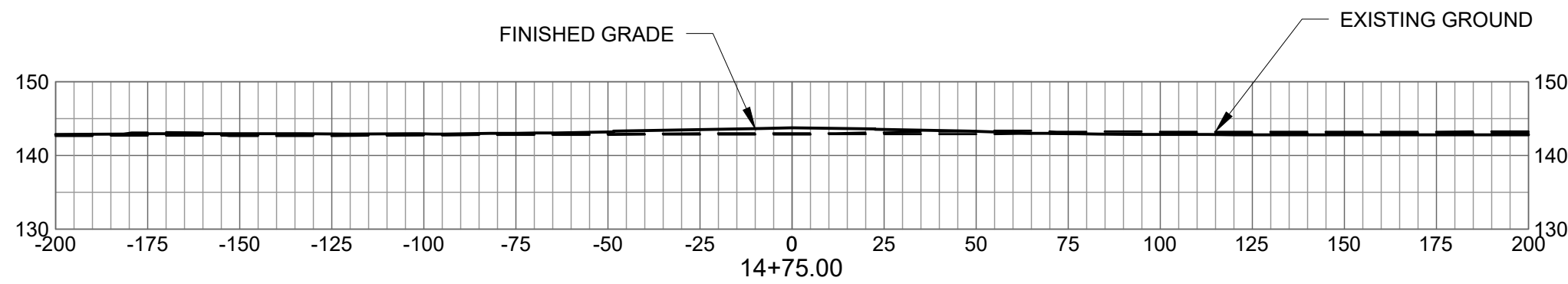
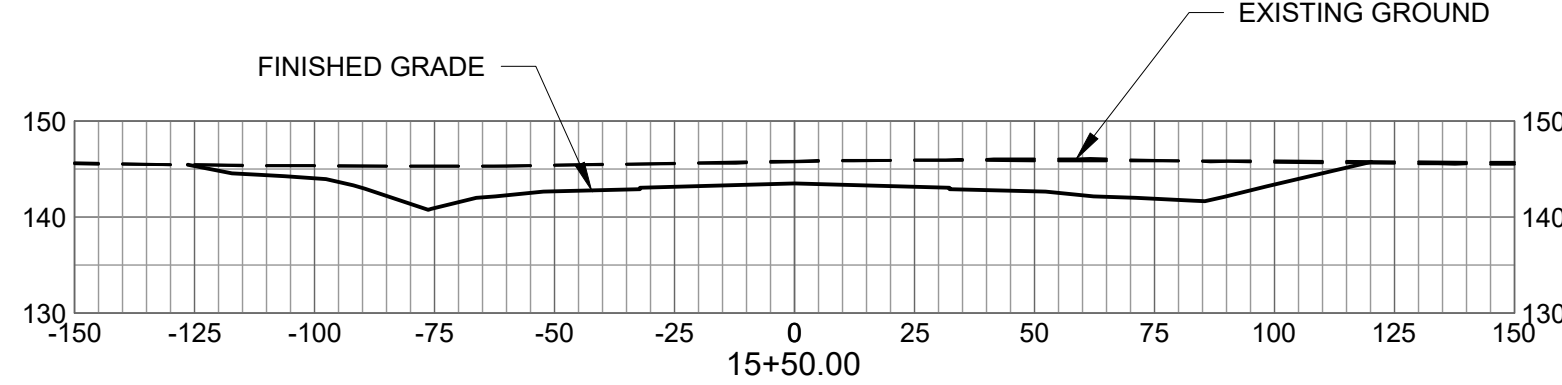
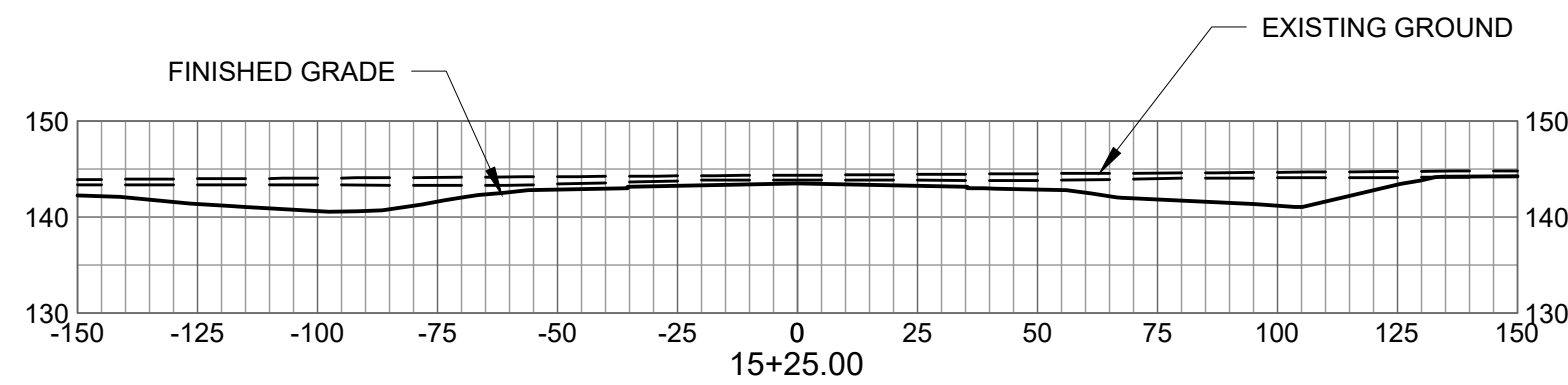
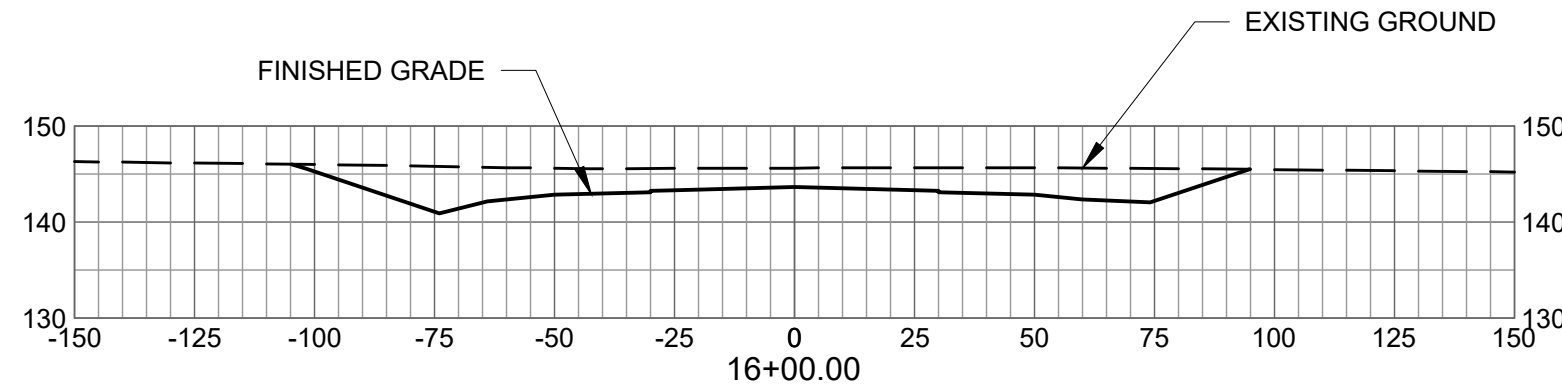
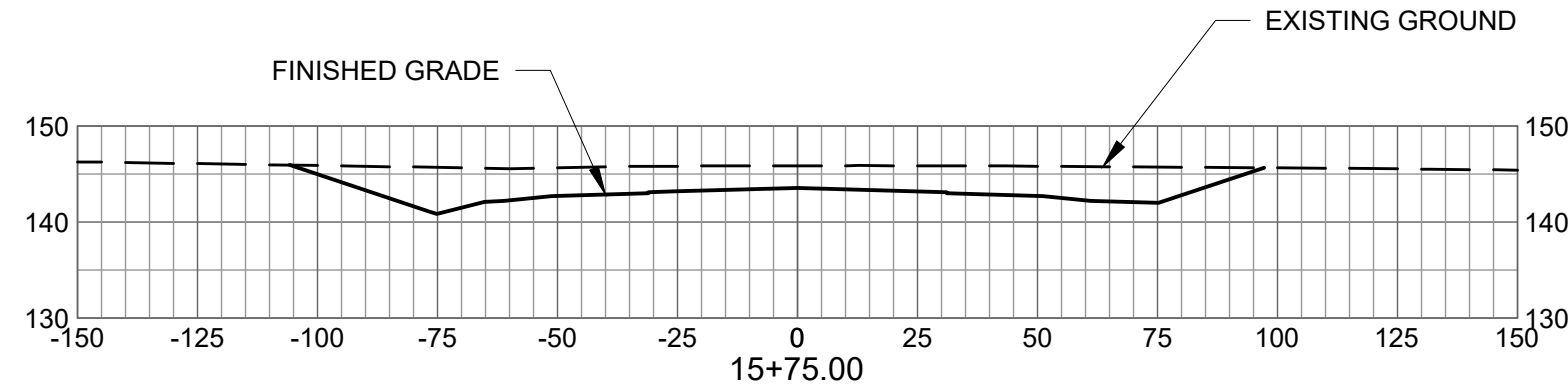
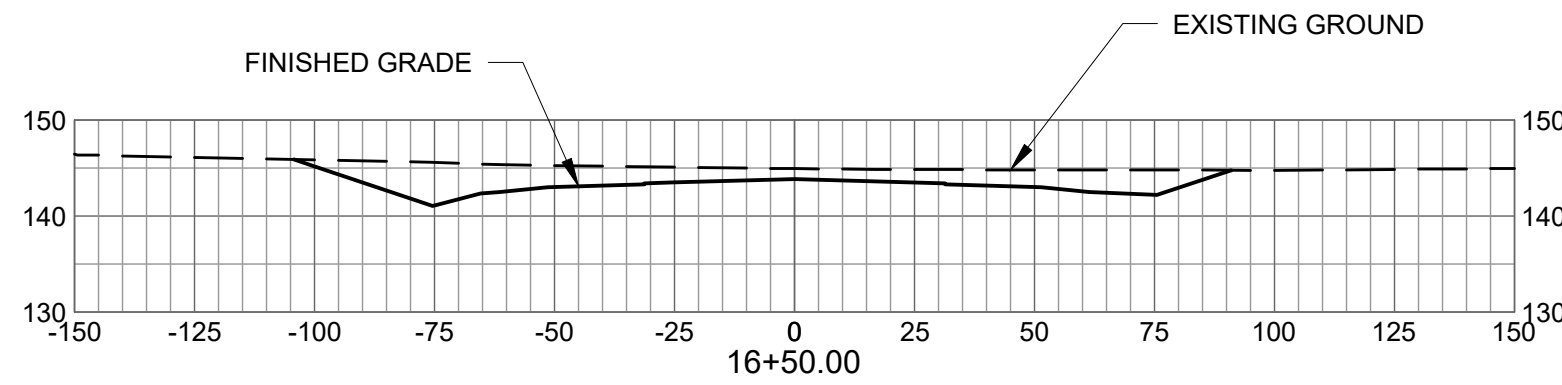
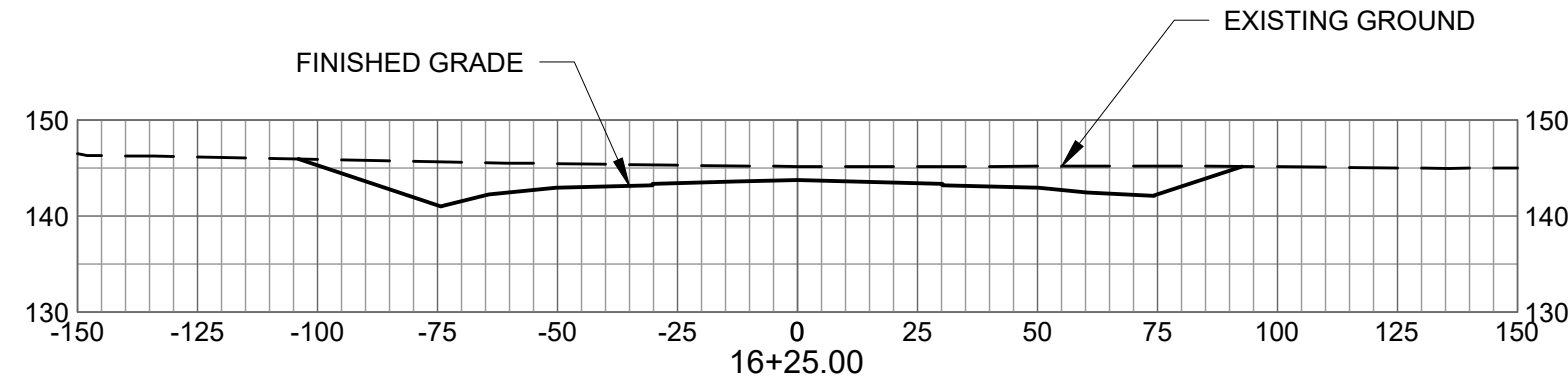
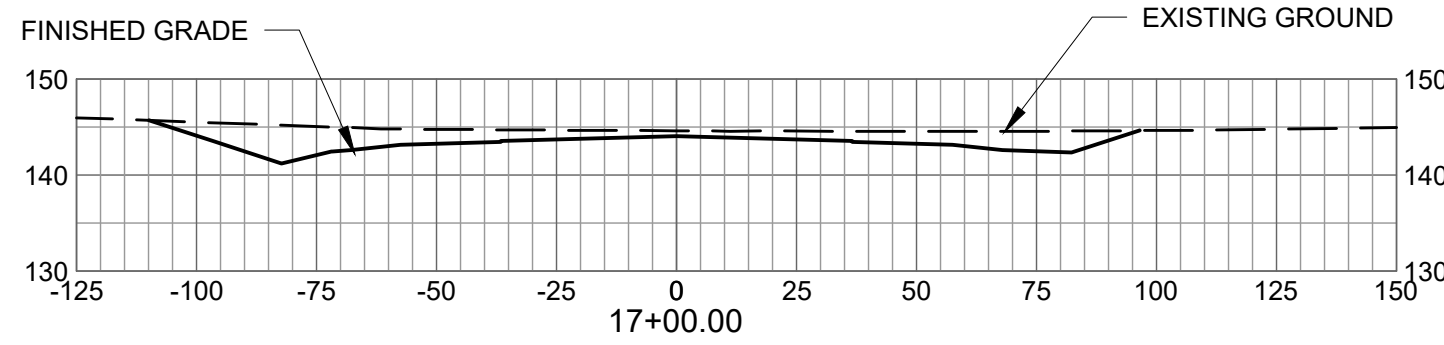
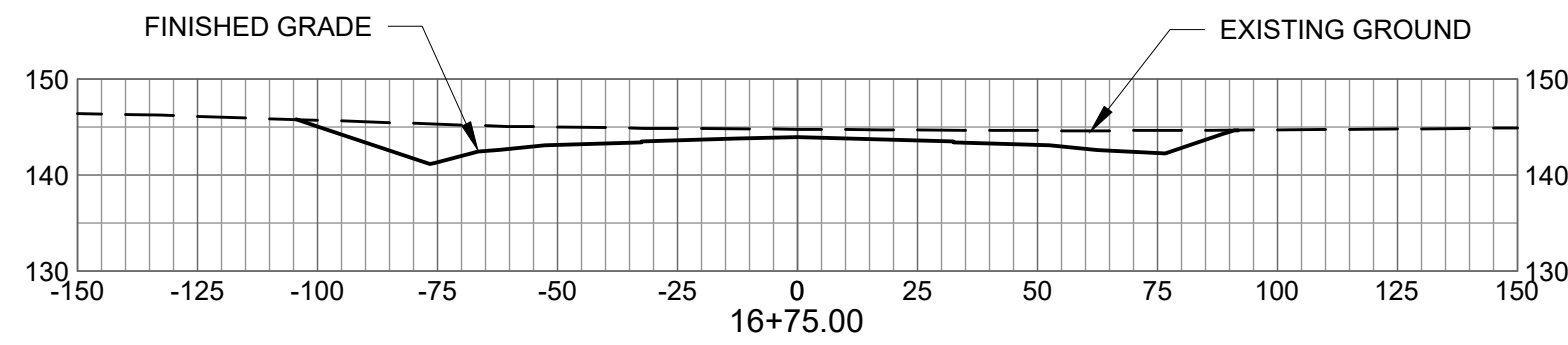
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: EJS
DRAWN BY: EJS
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CROSS SECTIONS
14+25 - 17+00

SHEET NO.

C-901



AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

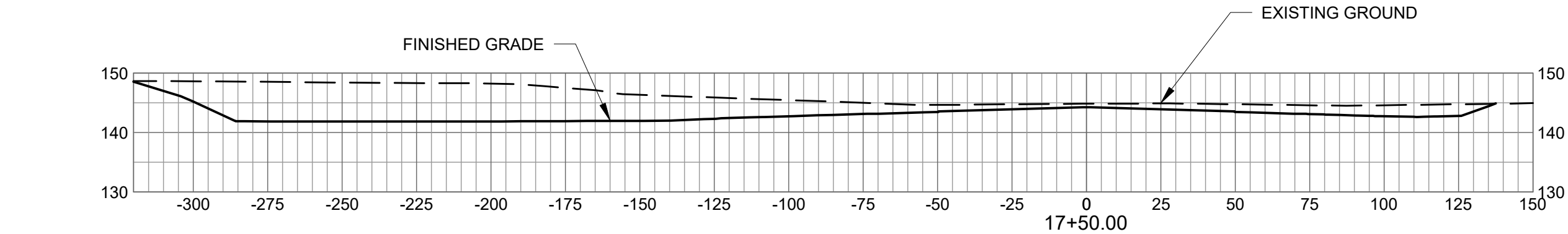
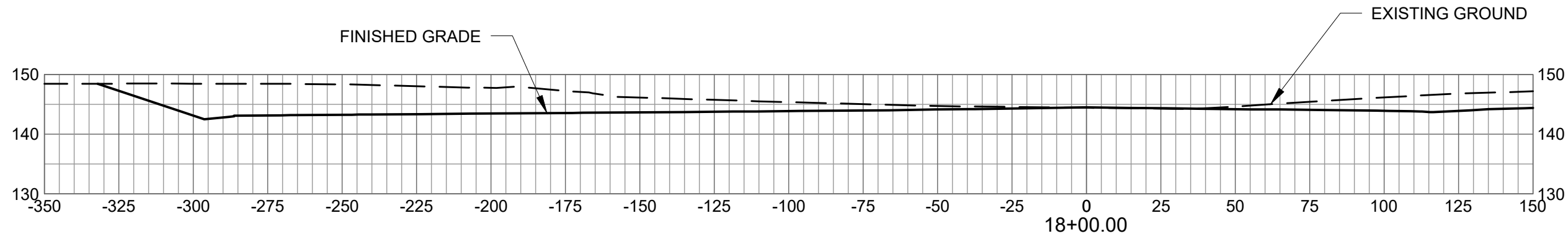
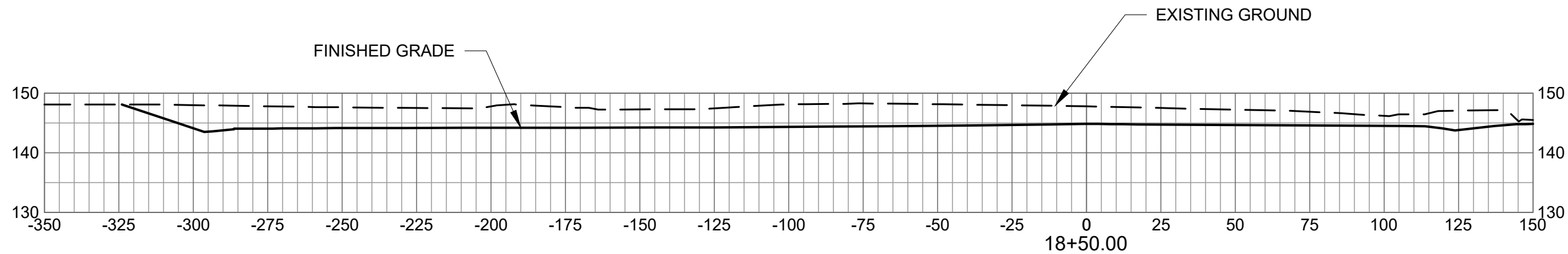
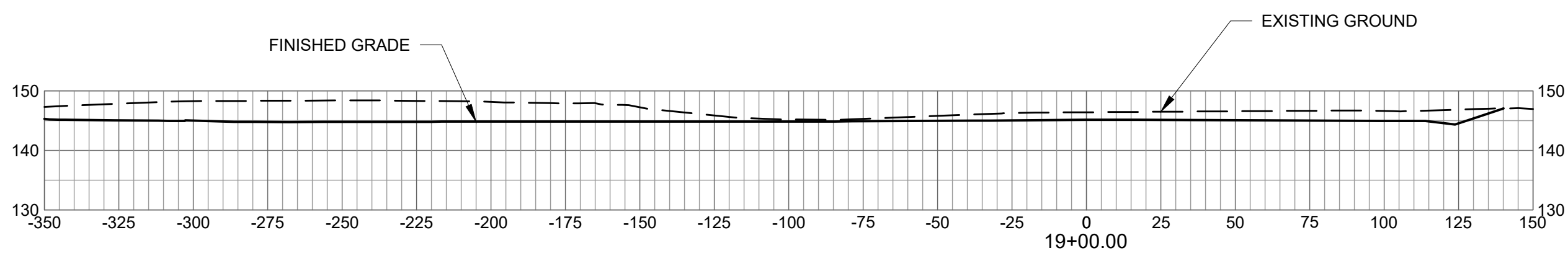
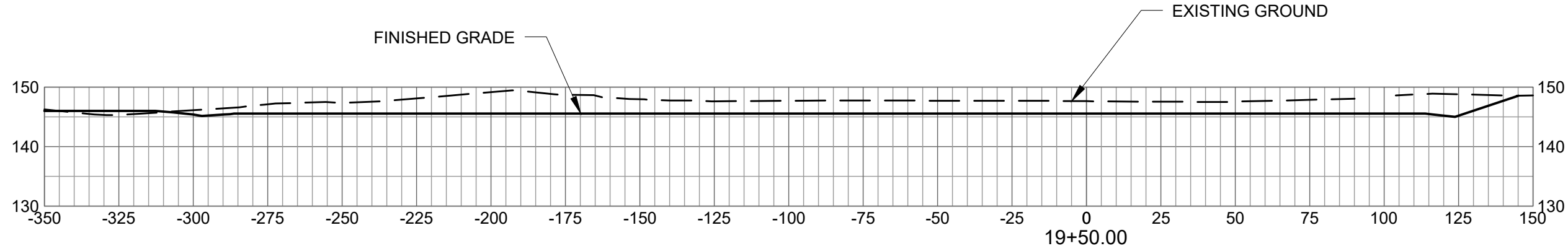
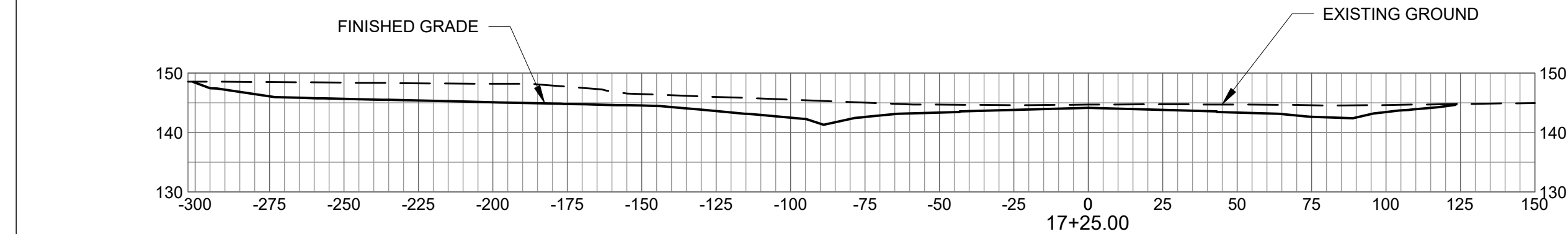
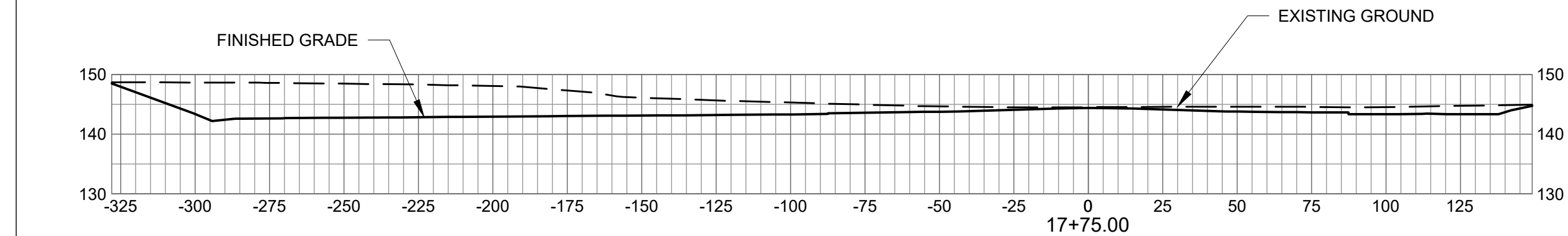
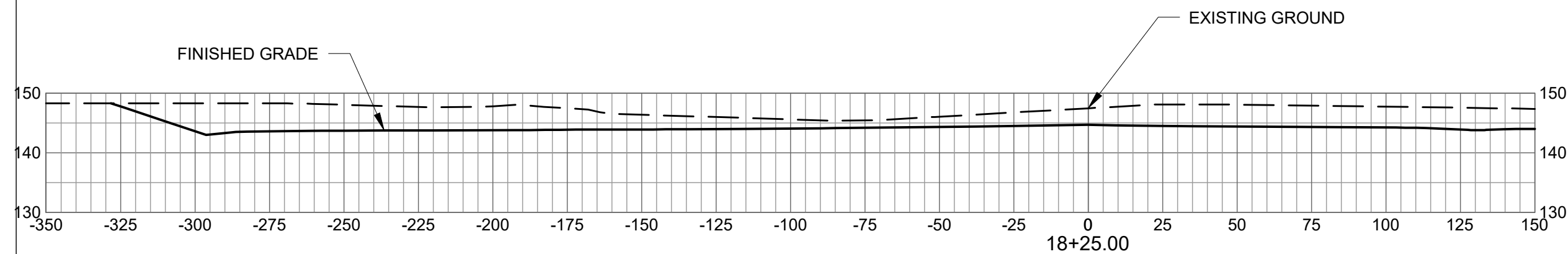
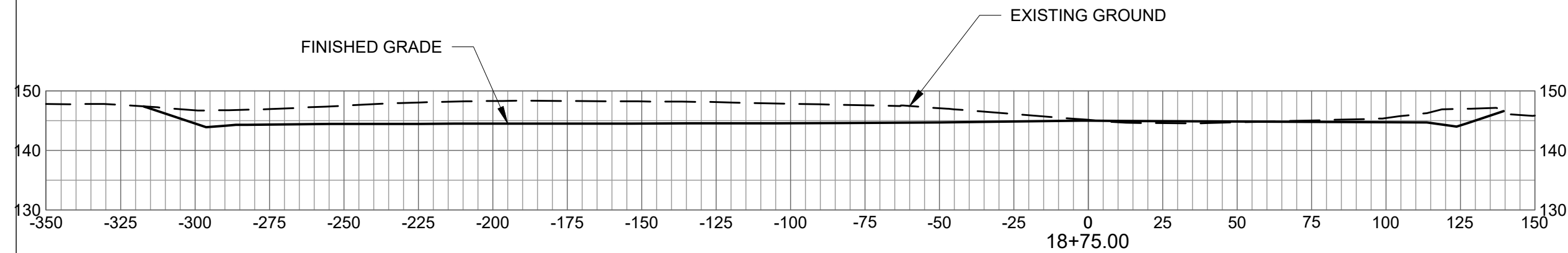
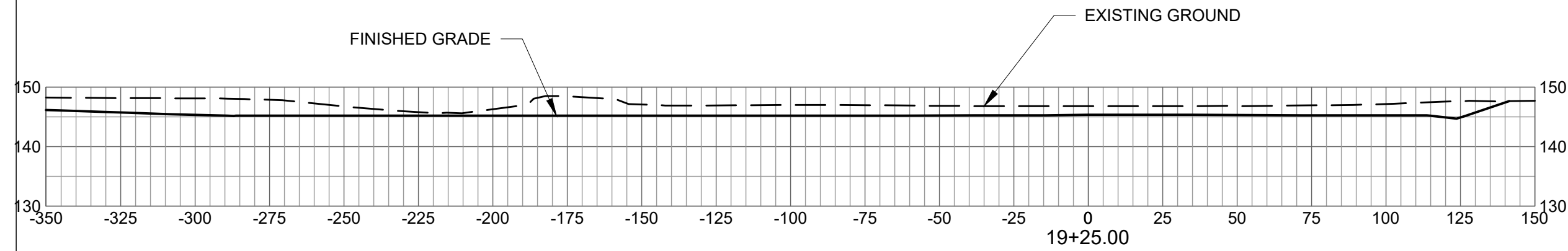
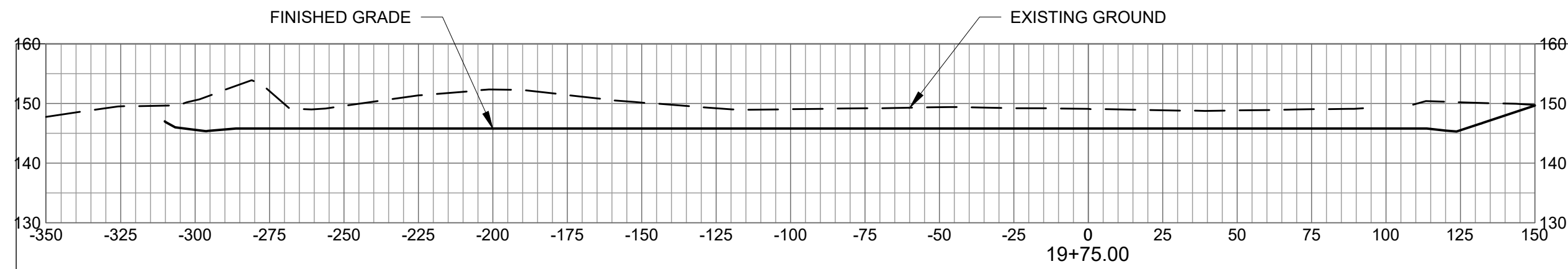
NOT FOR CONSTRUCTION

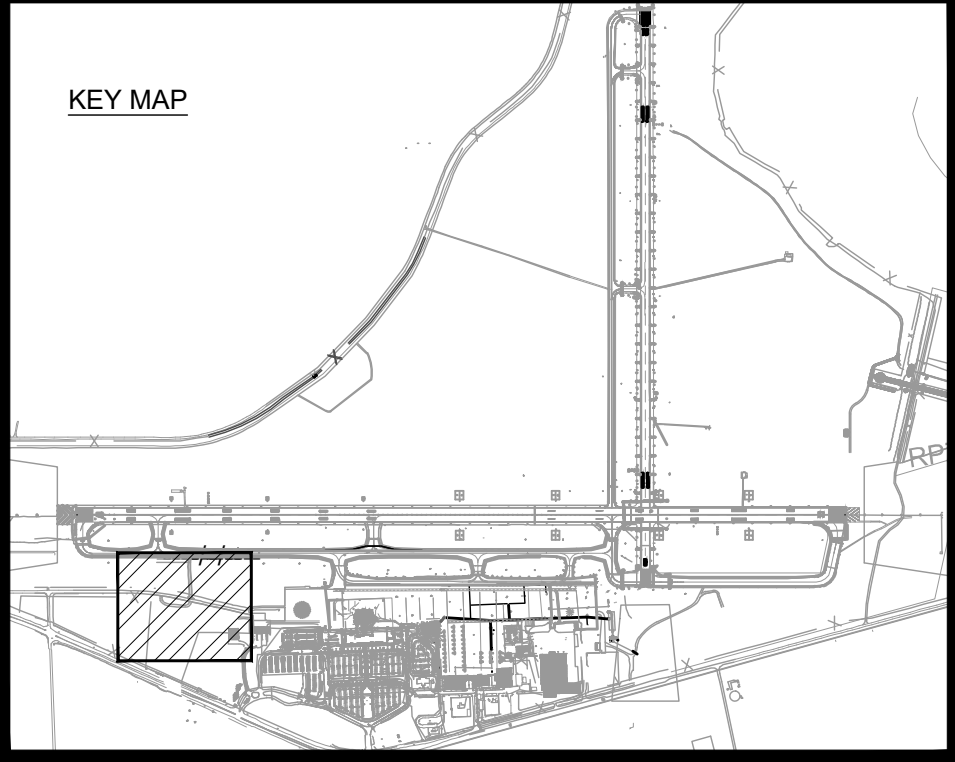
AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: EJS
DRAWN BY: EJS
CHECKED BY: DES
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CROSS SECTIONS
17+00 - 19+75

SHEET NO.

C-902





Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com



These documents shall not be used for any purpose other than the project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
M&H NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: CMH
DO NOT SCALE DRAWINGS

SHEET CONTENTS

ELECTRICAL
DEMOLITION PLAN

SHEET NO.

E-001

X:\0119700\202061.01\TECH\CAD\DRAWINGS\E-001 ELECTRICAL DEMOLITION PLAN.DWG
12/13/2021 4:08:18 PM

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

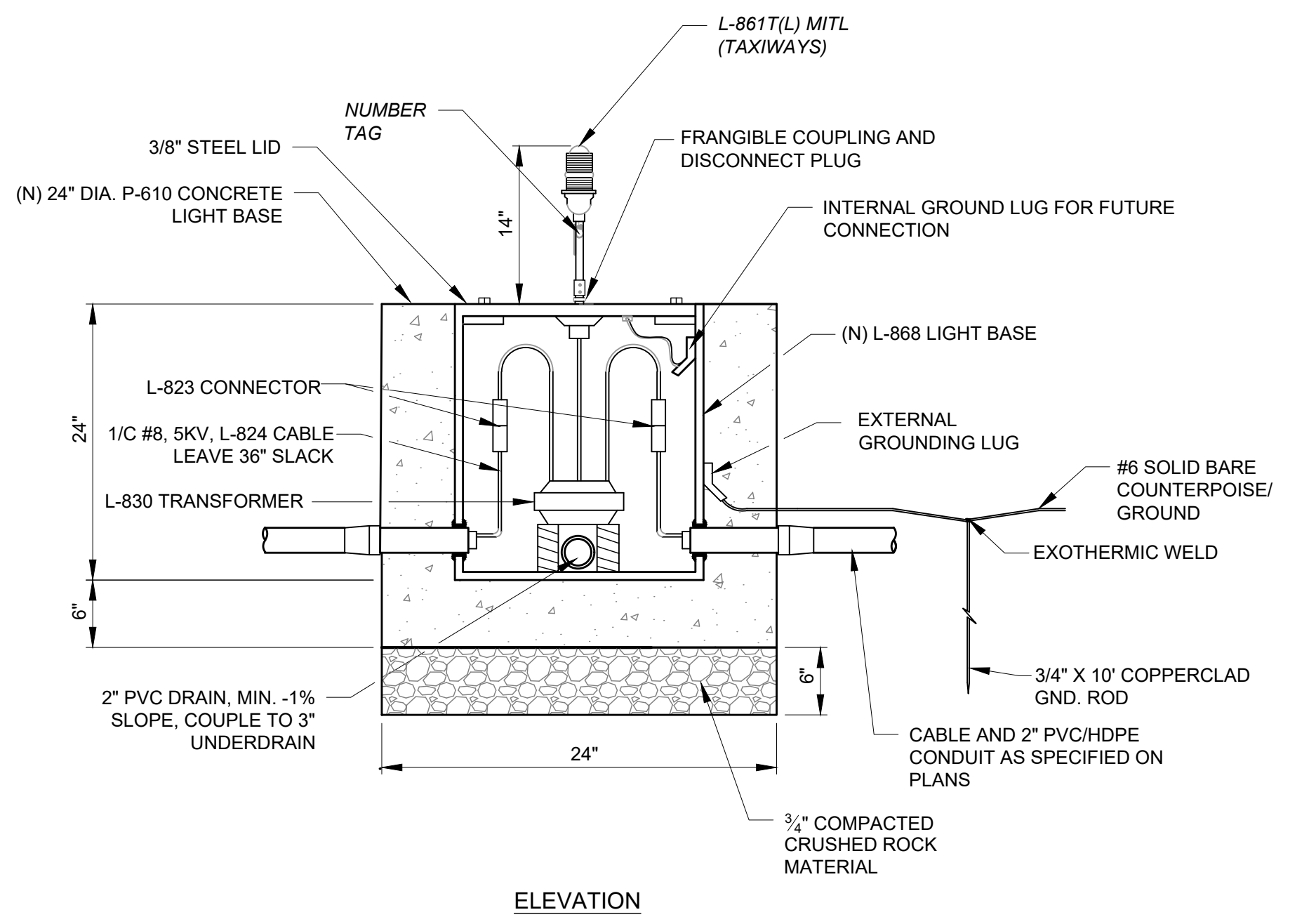
NOT FOR CONSTRUCTION

IP NO.: 3-13-011-045-2020
 I&H NO.: 0119700-202061.01
 DATE: DECEMBER 6, 2021
 DESIGNED BY: NJH
 DRAWN BY: NJH
 CHECKED BY: CMH
 DO NOT SCALE DRAWINGS

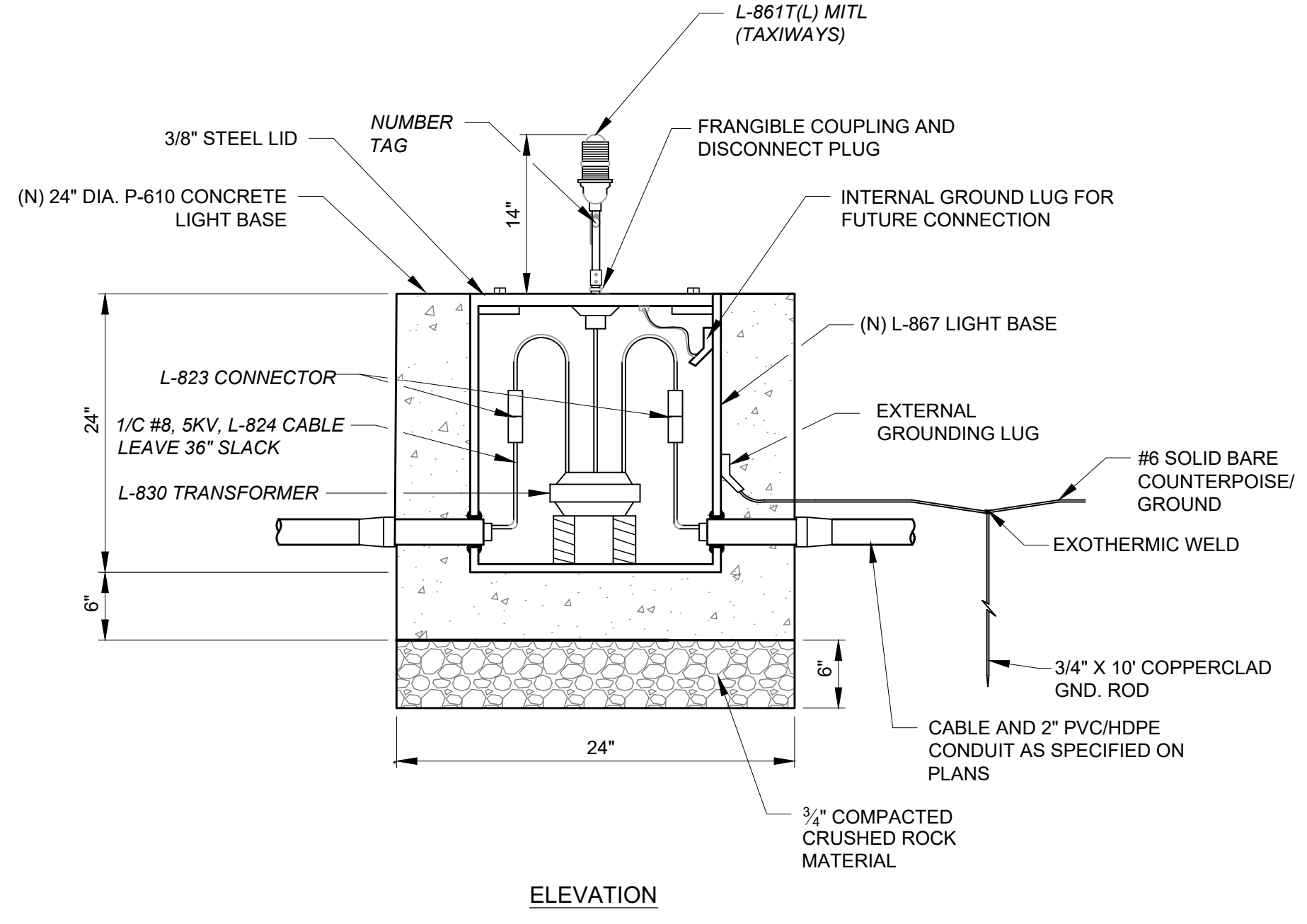
SHEET NO.

E-201

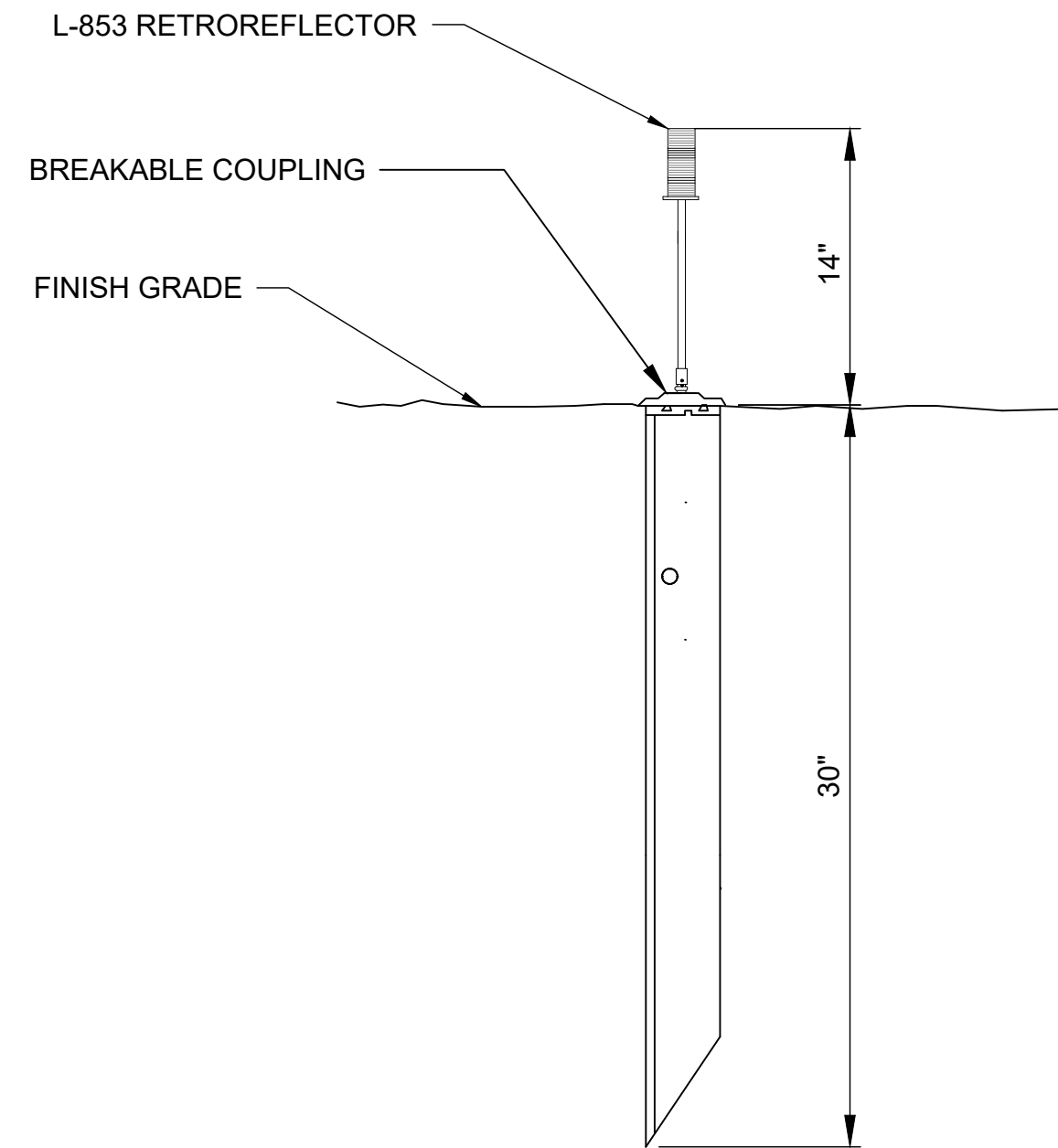




ELEVATION



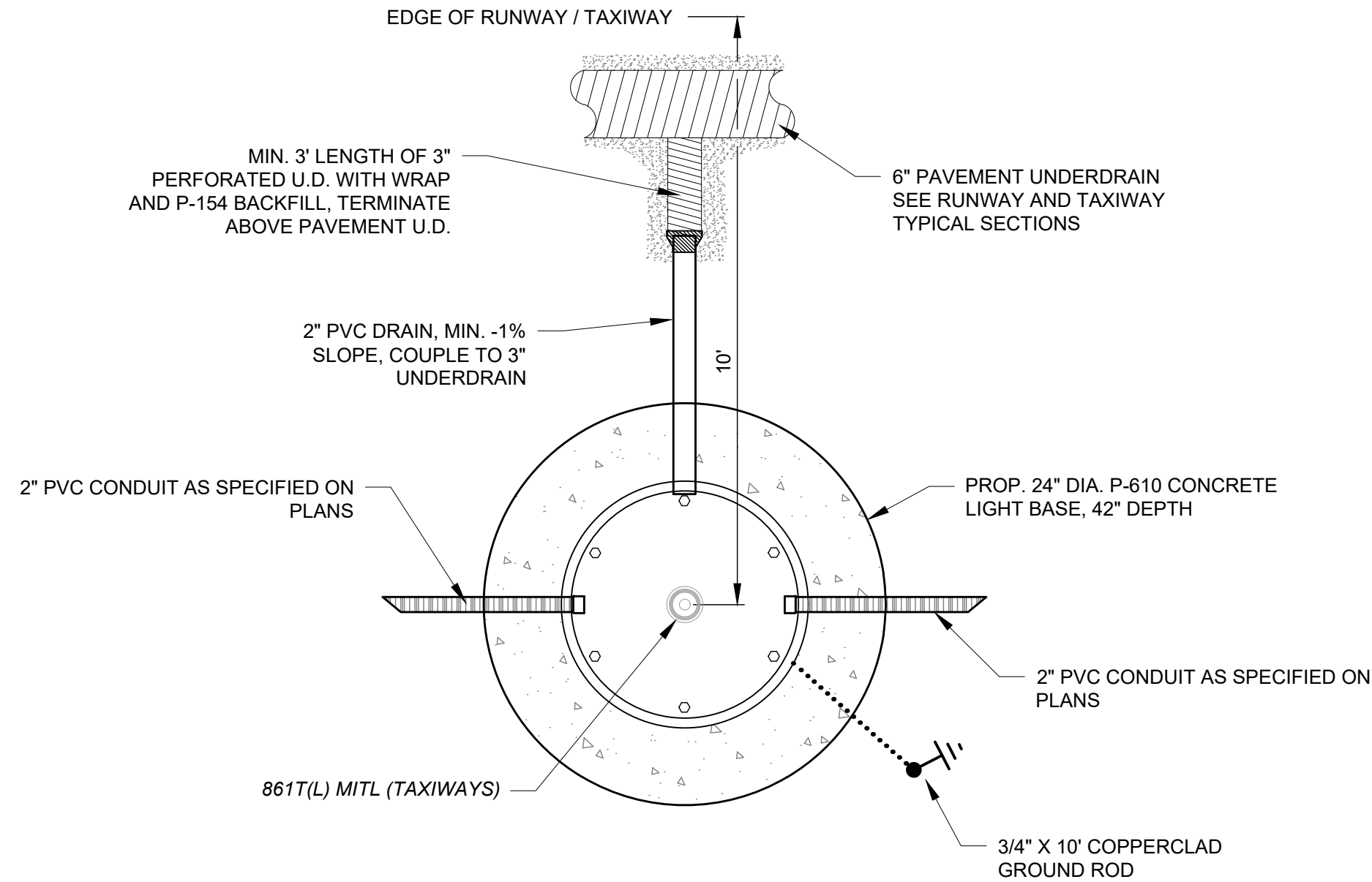
ELEVATION



TAXIWAY REFLECTOR DETAIL
SCALE: NTS

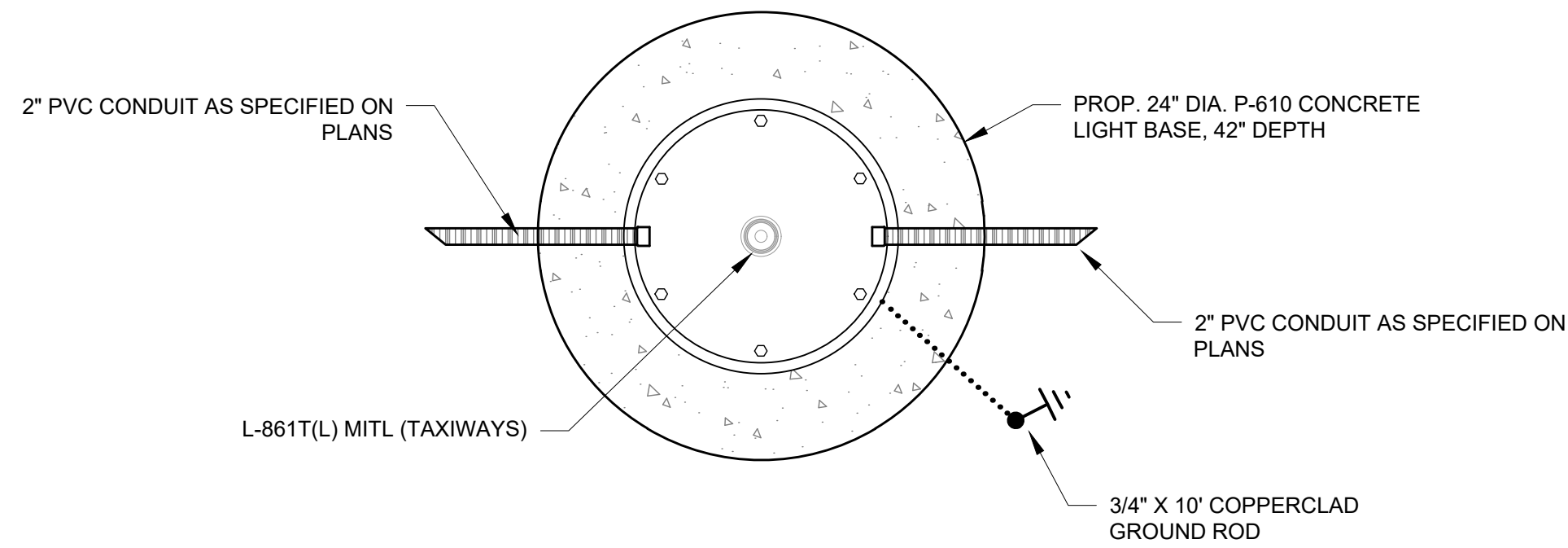
3
E-601

- NOTES:
1. SOIL ANCHORS TO BE DRIVEN WITH PNEUMATIC HAMMER OR MANUALLY ACCORDING TO MANUFACTURER'S RECOMMENDATION.
 2. SURFACE MOUNTED REFLECTORS SHALL BE INSTALLED USING EPOXY ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS.



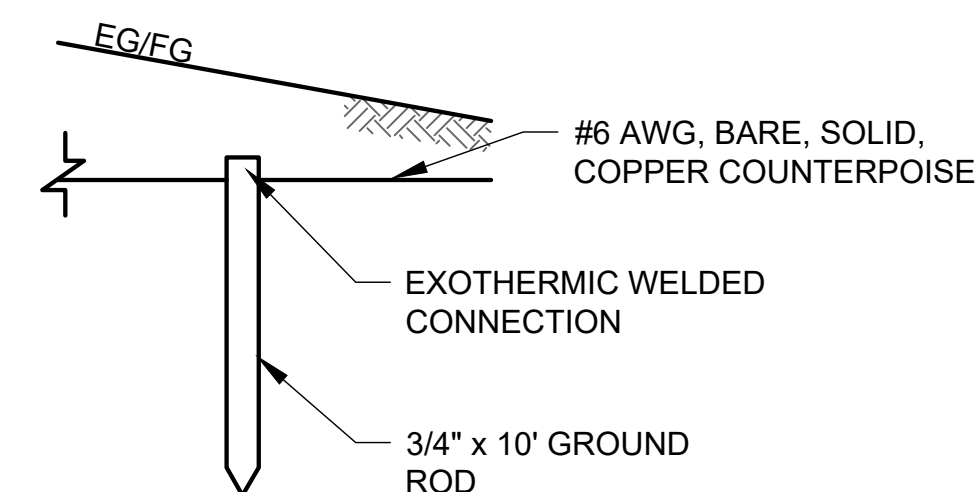
L861T (L) TAXIWAY EDGE LIGHT
INSTALLATION DETAIL WITH DRAINAGE
SCALE: NTS

1
E-601



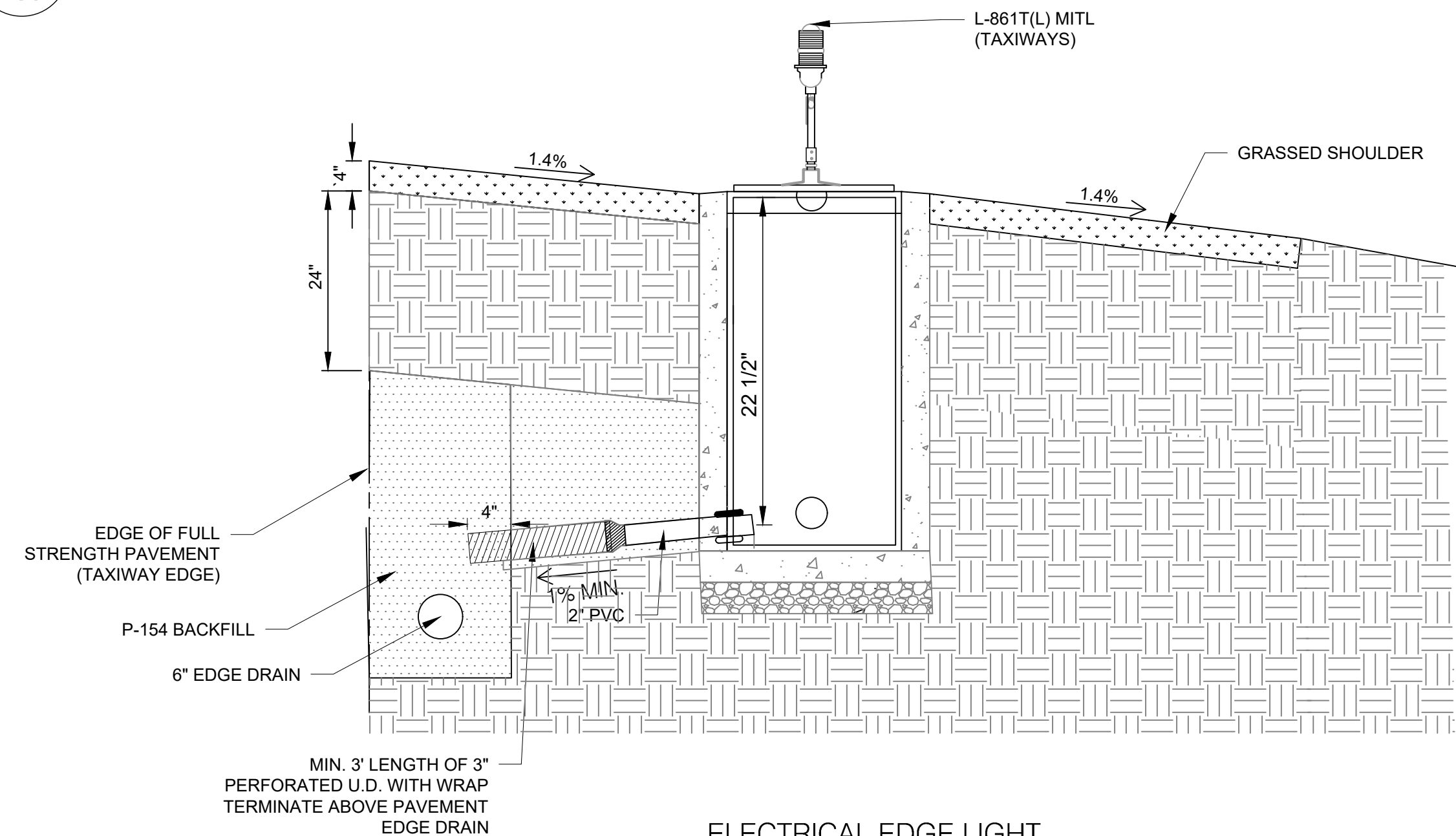
L861T (L) EDGE LIGHT INSTALLATION DETAIL
SCALE: NTS

2
E-601



GROUND ROD INSTALLATION DETAIL
SCALE: NTS

4
E-601



ELECTRICAL EDGE LIGHT
DRAIN DETAIL
SCALE: NTS

5
E-601

TYPICAL NOTES:

1. SEE LAYOUT SHEET E-201 FOR EDGE LIGHT CAN LOCATIONS.
2. ALL BOLTS SHALL BE STAINLESS STEEL.
3. APPLY ANTI-SEIZE COMPOUND TO ALL MALE THREADS.
4. PROVIDE FORMS AS NECESSARY FOR CONCRETE PLACEMENT. COST INCIDENTAL TO THE INSTALLATION.
5. ALL NEW BASE CANS SHALL HAVE INTERNAL AND EXTERNAL GROUND LUGS.
6. NON-METALLIC COMPONENTS IN THE LIGHT FIXTURE STEMS AND BREAKABLE COUPLINGS ARE NOT PERMITTED. L-867 PLASTIC CANS ARE NOT ACCEPTABLE.
7. LIGHT AND BASES SHALL BE SET PLUMB.
8. UNDER PAVEMENT, INSTALL COUNTERPOISE USING THE EQUIPOTENTIAL METHOD, 12" ABOVE CABLE/DUCT, CONNECTED TO OUTSIDE OF LIGHT BASE. IN GREEN SPACES, INSTALL COUNTERPOISE 12" ABOVE DUCT AND INSTALL GROUND RODS AT THE END OF RUNS AND AT 500' INTERVALS.
9. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE USING EXOTHERMIC WELDS.

Mead
& Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE
1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

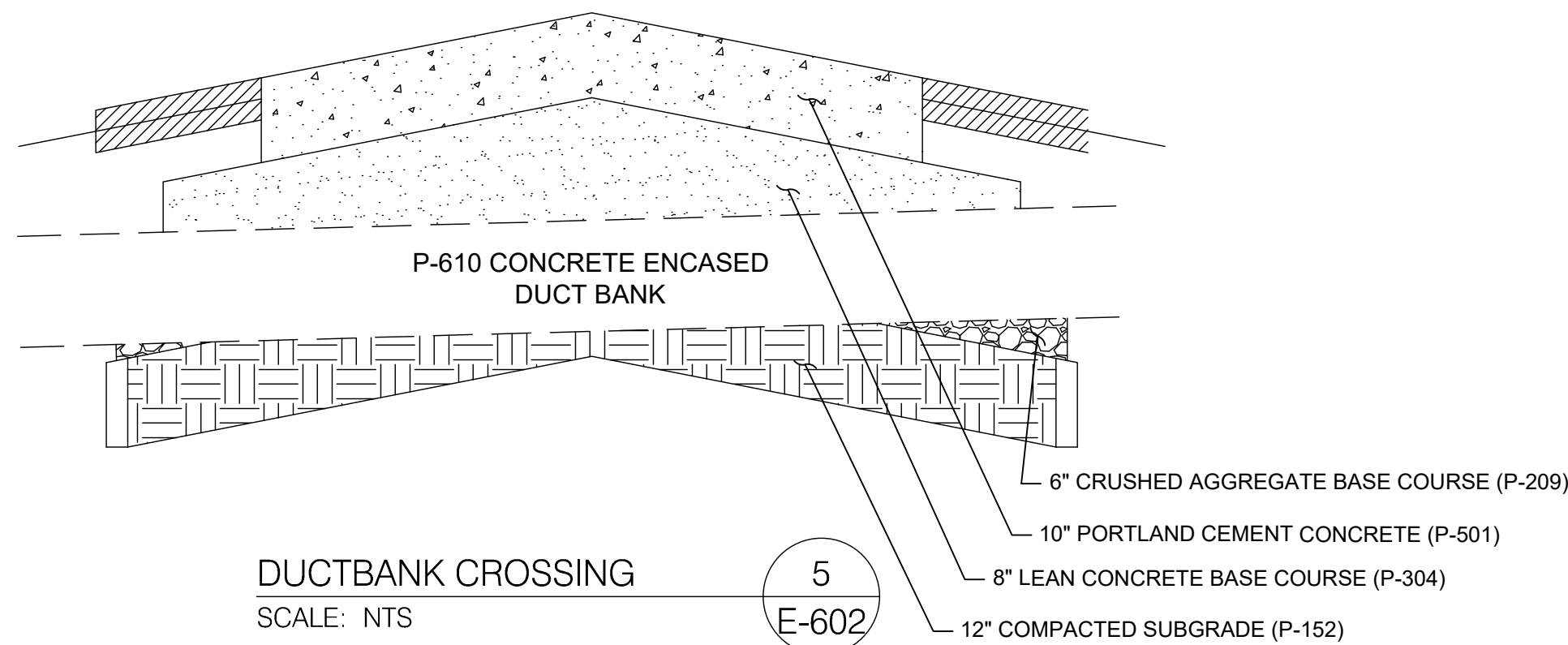
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: XXX
CHECKED BY: XXX
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ELECTRICAL DETAILS

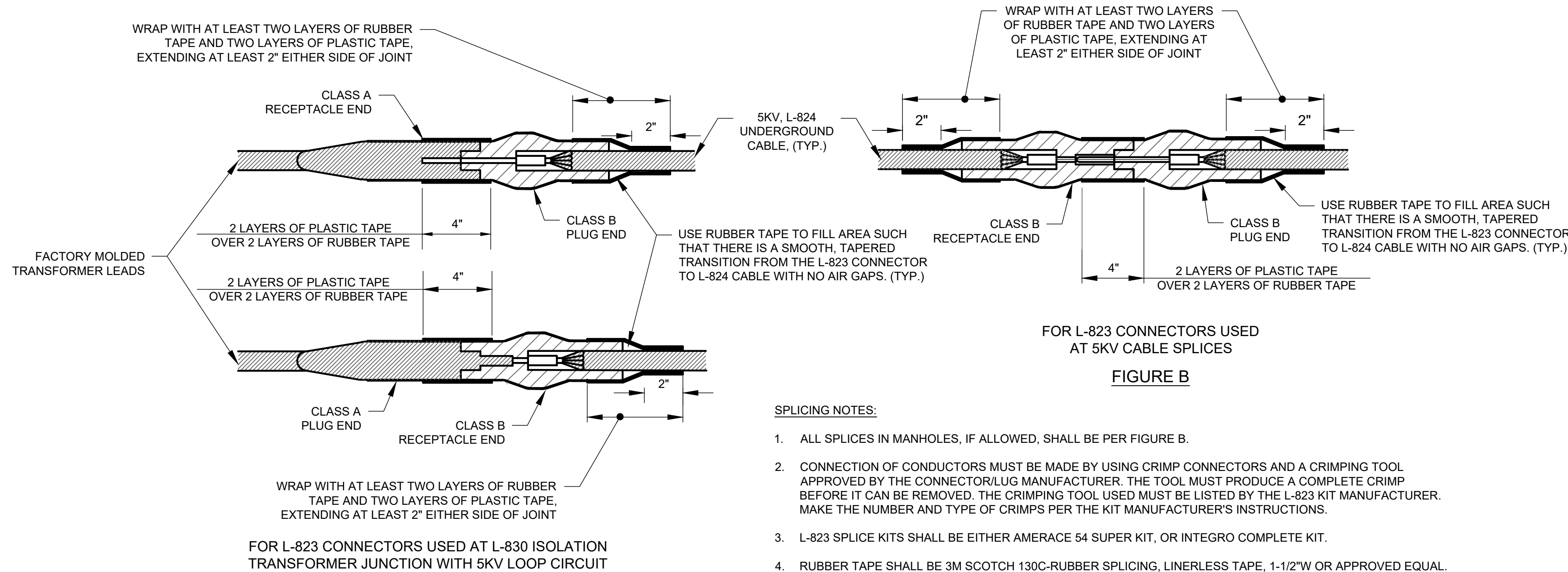
SHEET NO.

E-601



DUCT BANK NOTES:

1. SLOPE DUCT BANK TO FOLLOW GRADE. MAINTAIN 1-FOOT COVER WHEN JOINING AN EXISTING & PROPOSED DUCT BANK TOGETHER. THE EXISTING CONCRETE ENCASEMENT SHALL BE REMOVED TO PERMIT A TIGHT, SEAMLESS FIT.
2. ALL CONNECTIONS SHALL BE APPROVED BY THE PROJECT ENGINEER.
3. SEE TRENCHING PAY ITEM DETAILS FOR BACKFILL BENEATH ROADWAYS. SPOIL BACKFILL IN OPEN FIELD LOCATIONS SHALL BE COMPACTED TO SPECIFIED DENSITY IN 6-INCH LIFTS.
4. ALL EXISTING MANHOLE CONNECTIONS SHALL BE MADE BY CORING THROUGH THE MANHOLE (JACK HAMMERING OF MANHOLES IS PROHIBITED).
5. FOR #6 COUNTERPOISE, REQUIRED GROUND RODS SHALL BE SPACED NO MORE THAN 500 FEET APART, PLUS AT BEGINNING AND END OF RUNS.

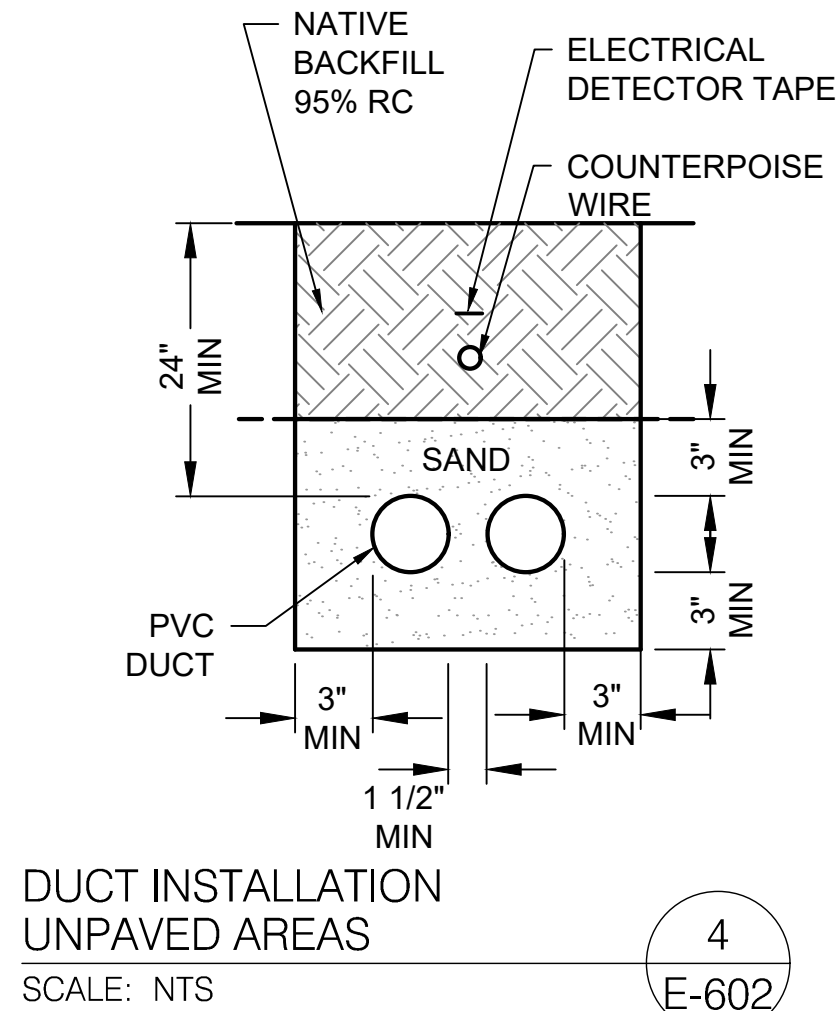


SPLICING NOTES:

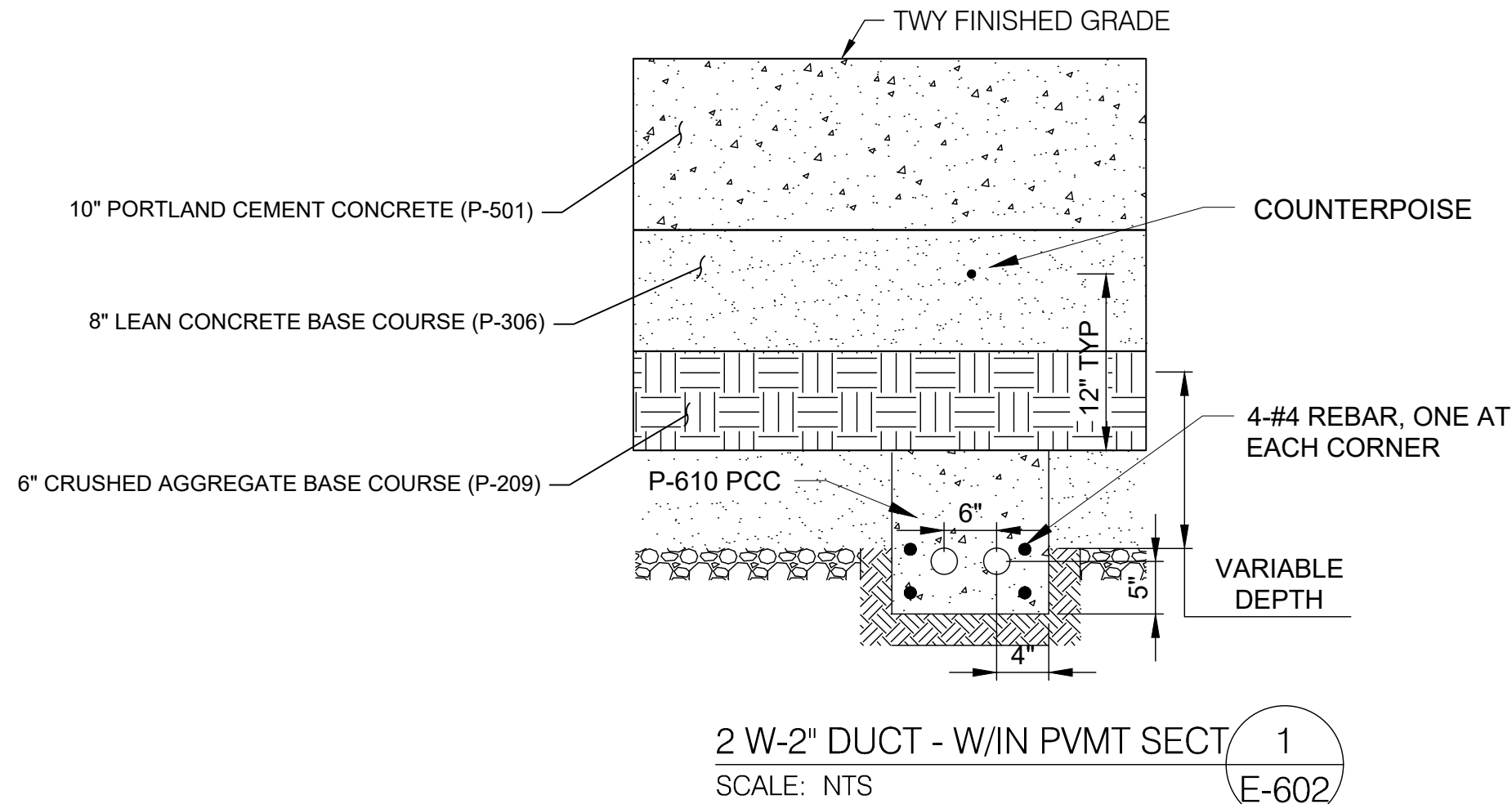
1. ALL SPLICES IN MANHOLES, IF ALLOWED, SHALL BE PER FIGURE B.
2. CONNECTION OF CONDUCTORS MUST BE MADE BY USING CRIMP CONNECTORS AND A CRIMPING TOOL APPROVED BY THE CONNECTOR/LUG MANUFACTURER. THE TOOL MUST PRODUCE A COMPLETE CRIMP BEFORE IT CAN BE REMOVED. THE CRIMPING TOOL USED MUST BE LISTED BY THE L-823 KIT MANUFACTURER. MAKE THE NUMBER AND TYPE OF CRIMPS PER THE KIT MANUFACTURER'S INSTRUCTIONS.
3. L-823 SPLICE KITS SHALL BE EITHER AMERACE 54 SUPER KIT, OR INTEGRO COMPLETE KIT.
4. RUBBER TAPE SHALL BE 3M SCOTCH 130C-RUBBER SPLICING, LINERLESS TAPE, 1-1/2\"W OR APPROVED EQUAL.
5. PLASTIC TAPE SHALL BE 3M SUPER 88 SCOTCH VINYL TAPE, 1-1/2\"W OR APPROVED EQUAL.

CABLE SPLICE
WATER PROOFING DETAIL
SCALE: NTS

6
E-602



4
E-602



1
E-602

Mead
& Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

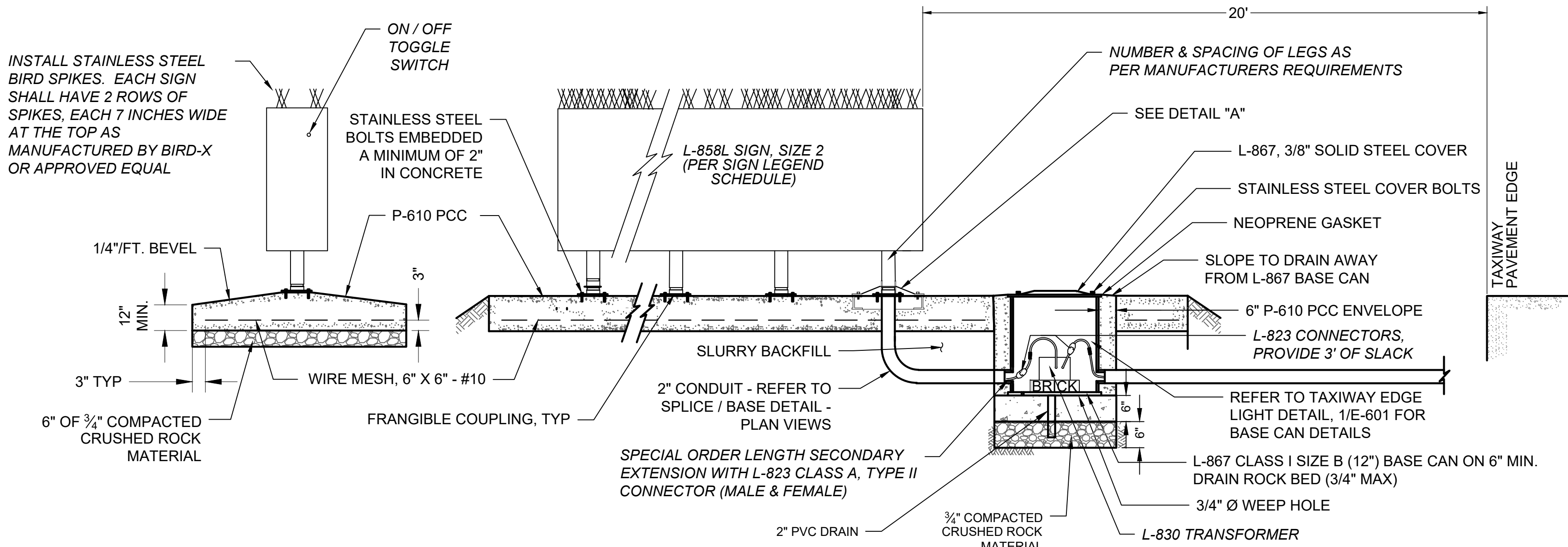
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: XXX
CHECKED BY: XXX
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ELECTRICAL DETAILS

SHEET NO.

E-602

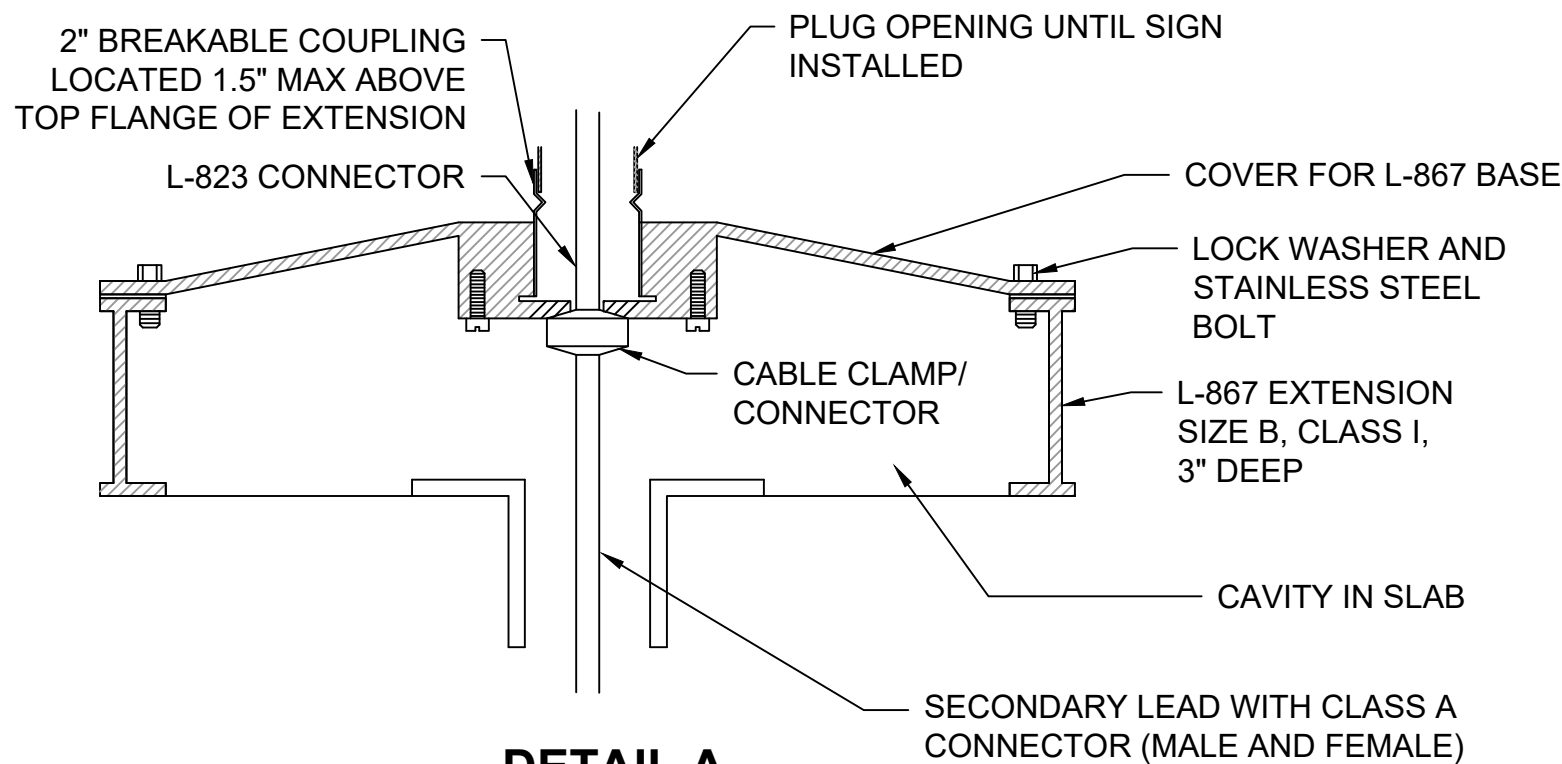


TYPICAL LIGHTED AIRFIELD GUIDANCE AND HOLD SIGN
SCALE: NTS

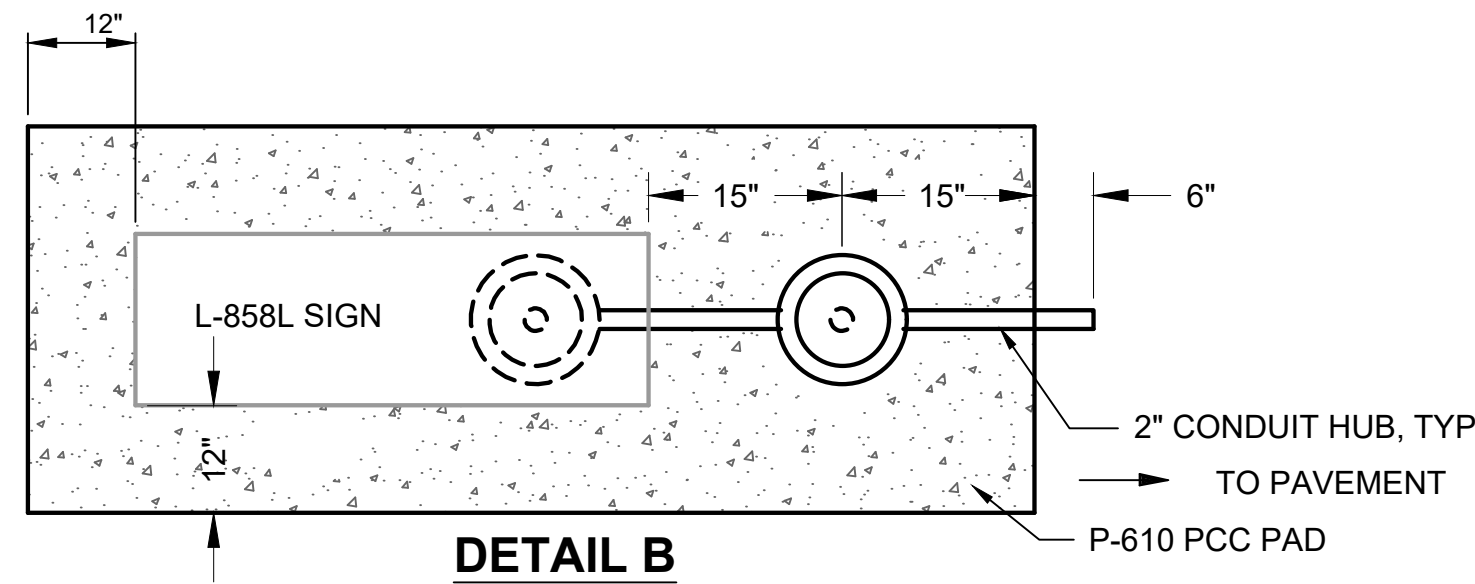
3
E-603

GENERAL SIGN NOTES:

1. COUPLING WEEP HOLES SHALL NOT DRAIN TO THE OUTSIDE OF THE L-867 BASE CAN OR LID.
2. PROVIDE ONE TETHER ON EACH END OF SIGN.
3. INSTALL GROUND WIRE AND GROUND ROD TO EXTERIOR LUG ON L-867 BASE CAN.
4. BOND SIGN METAL SURFACES TO LIGHT BASE GROUNDING LUG, USING #6 BARE COPPER WIRE
5. DIMENSION SIGN PAD PER DETAIL "A"
6. PLUG ALL OPENINGS FOR FUTURE SIGN INSTALLATION.



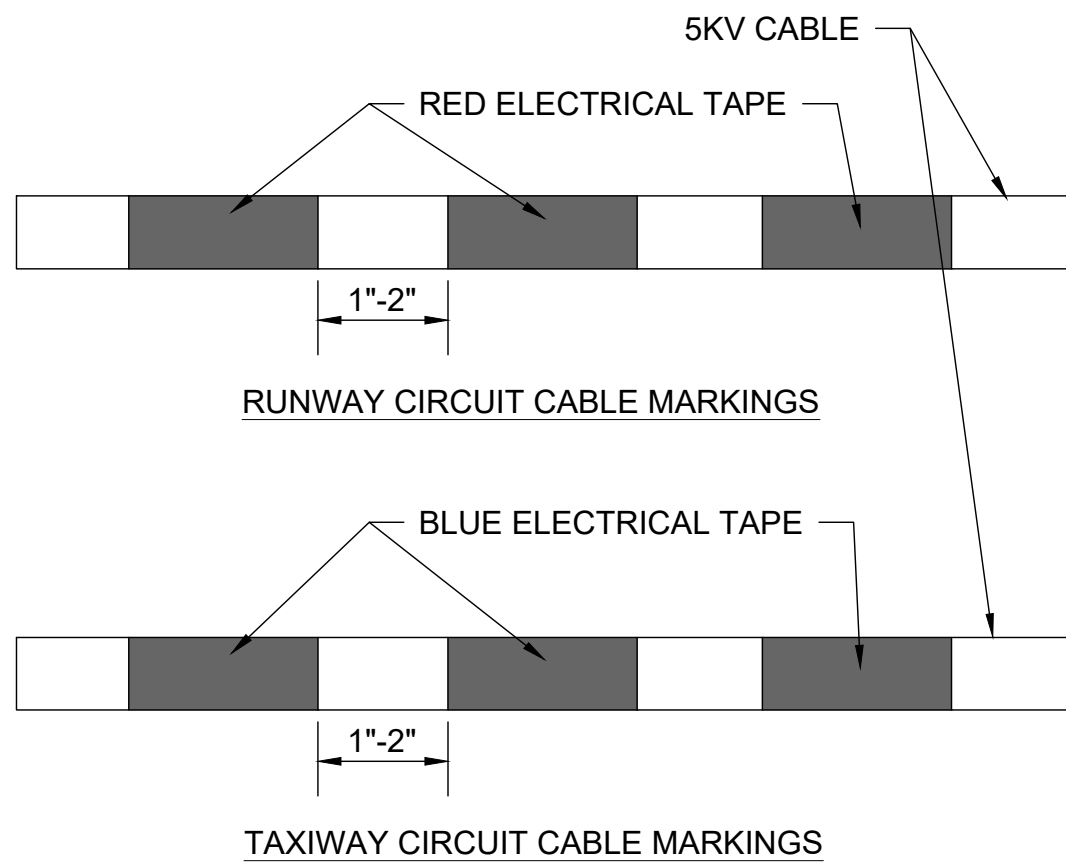
DETAIL A



DETAIL B

SIGN BASE DETAILS-PLAN VIEWS
SCALE: NTS

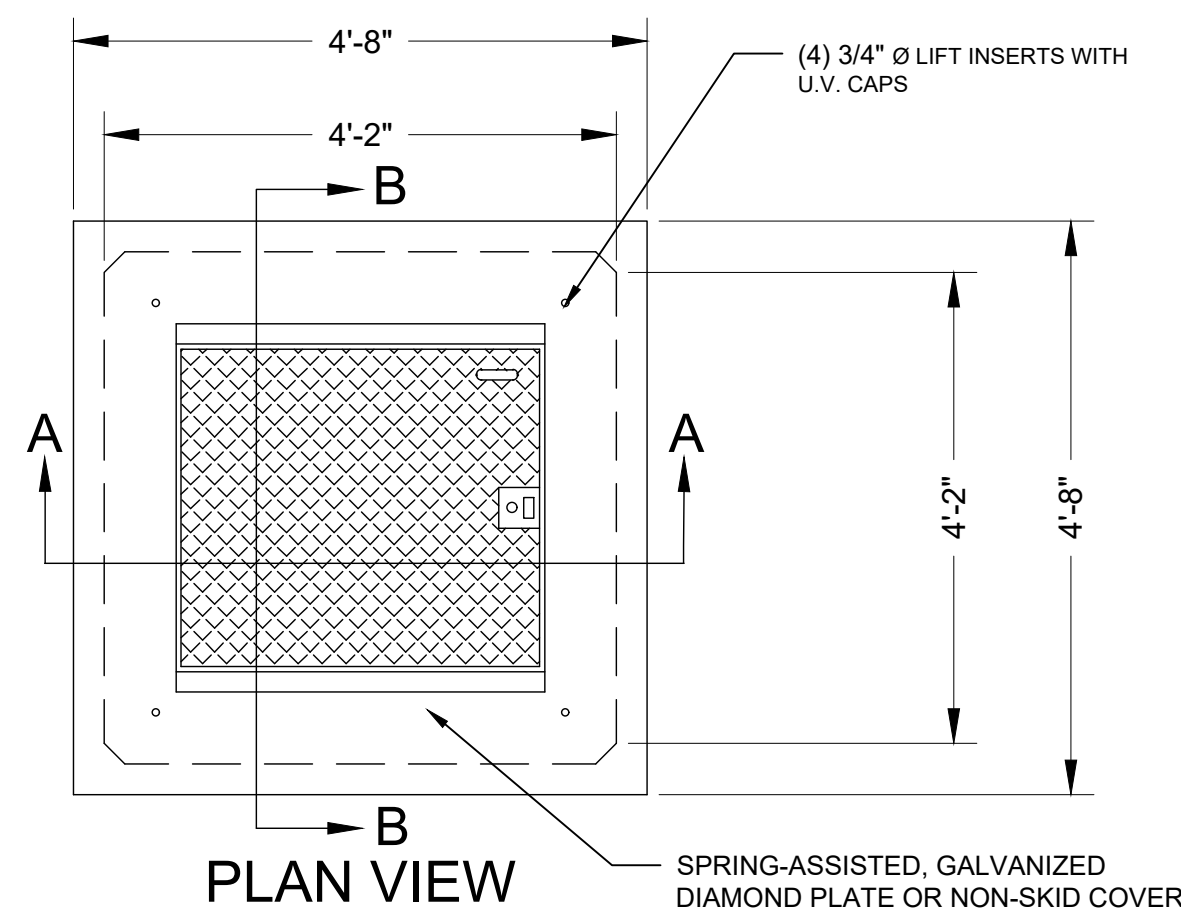
2
E-603



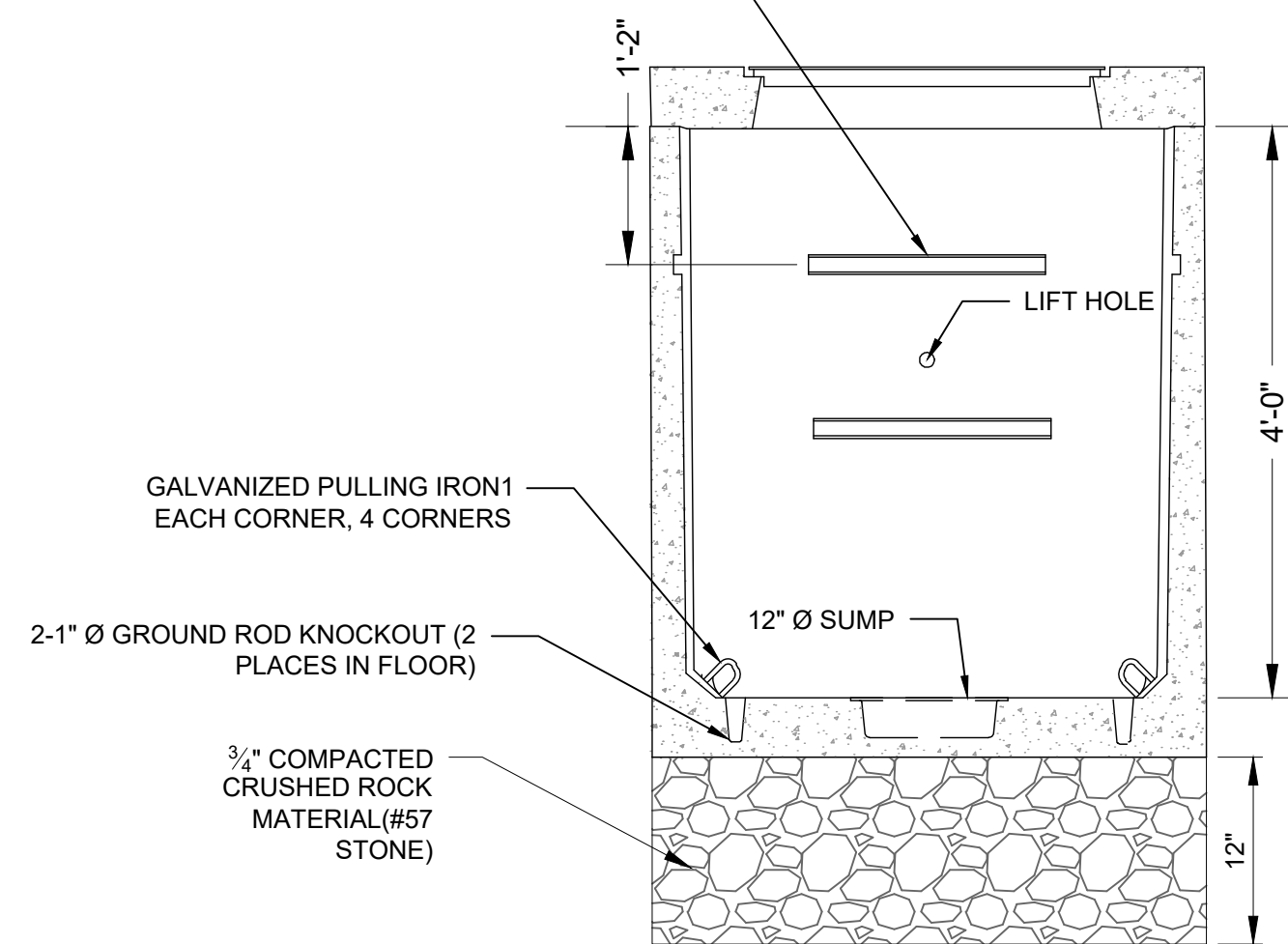
NOTE: APPLY ELECTRICAL TAPE MARKINGS ON EITHER SIDE OF A SPLICE WITHIN A JUNCTION STRUCTURE AND AT A MINIMUM OF 2 LOCATIONS WITHIN A JUNCTION STRUCTURE (PULLCAN AND PULL BOXES).

CABLE MARKING AND IDENTIFICATION DETAIL
SCALE: NTS

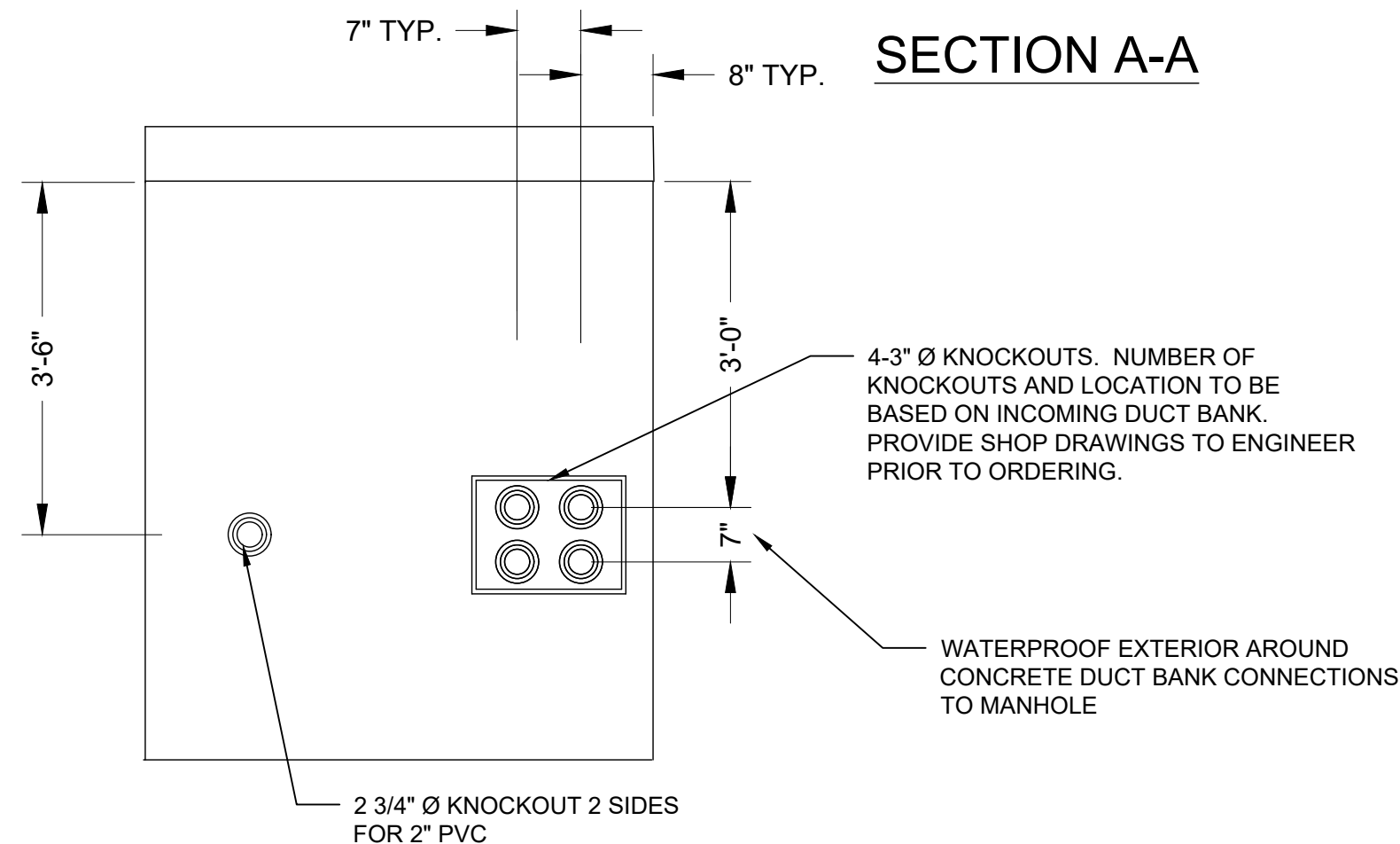
4
E-603



GALVANIZED "C" CHANNEL, 2'-0" LONG, 1 EACH SIDE, 4 SIDES



SECTION A-A



SECTION B-B

ELECTRICAL PULLBOX
SCALE: NTS

1
E-603

NOTES:

1. PULL BOXES SHALL BE RATED FOR FAA DESIGNATED 100,000-POUND, DUAL WHEEL AIRCRAFT LOADING.
2. PULL BOXES SHALL BE SET 1" ABOVE ADJACENT GRADE SHAPE GRADE AT PULL BOXES AS NECESSARY TO DRAIN AWAY.
3. THE HEAVY DUTY ELECTRICAL PULL BOX COVERS SHALL BE SPRING LOADED.
4. PULL BOXES SHALL BE GROUNDED IN ACCORDANCE WITH THE SPECIFICATIONS.
5. PROVIDE GALVANIZED OR NONMETALLIC CABLE RACKS INSIDE ELECTRICAL PULL BOXES
6. GROUND MANHOLE PER L-115 SPECIFICATION.

Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

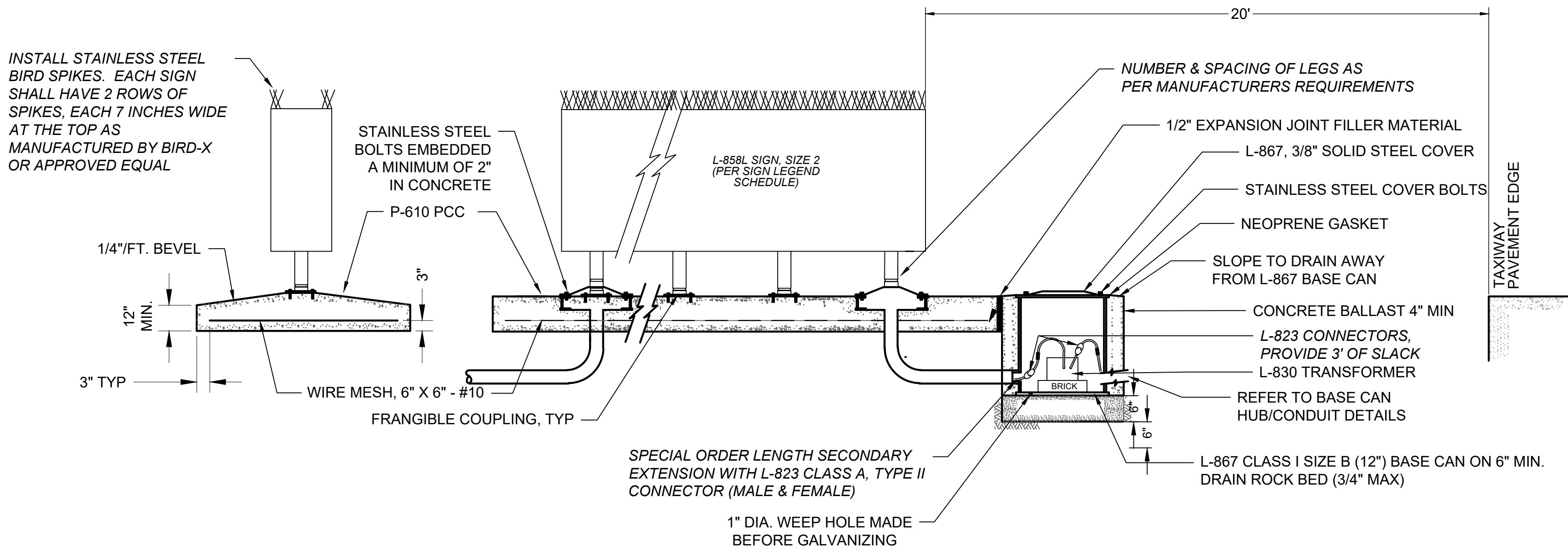
NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: XXX
CHECKED BY: XXX
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ELECTRICAL DETAILS

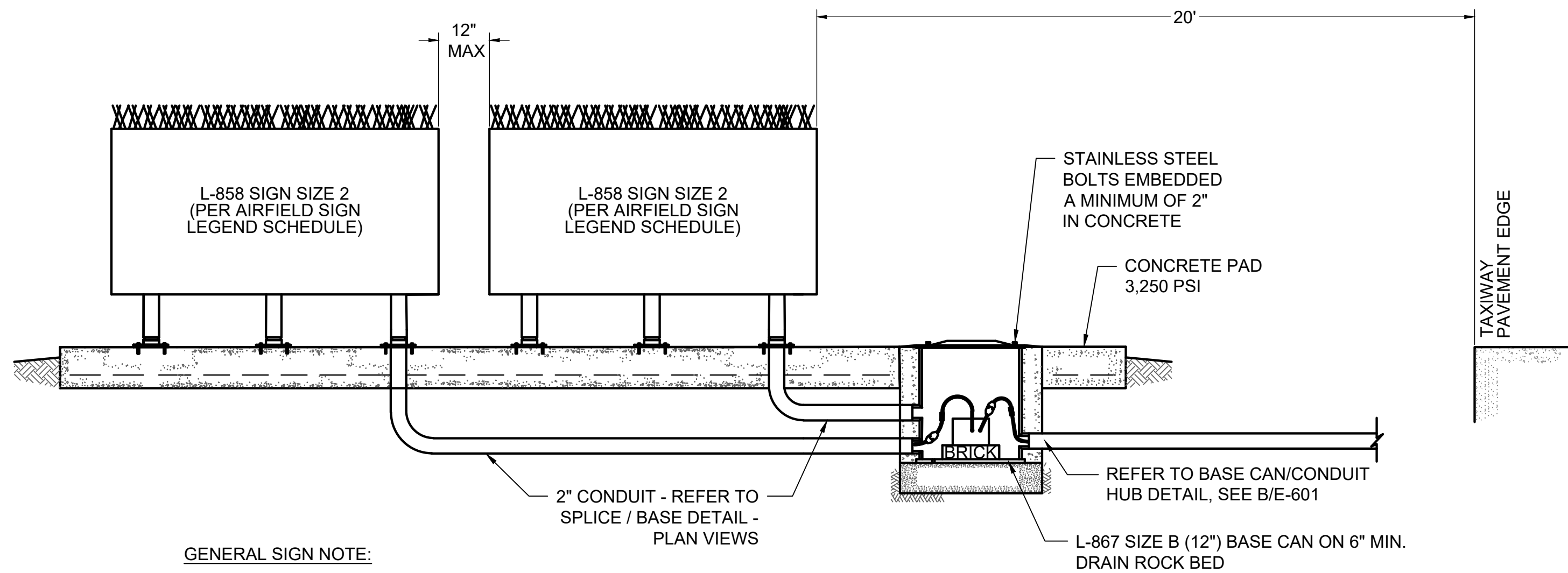
SHEET NO.

E-603



MULTIPLE PEDESTAL SIGN DETAIL
GUIDANCE AND HOLD SIGN
SCALE: NTS

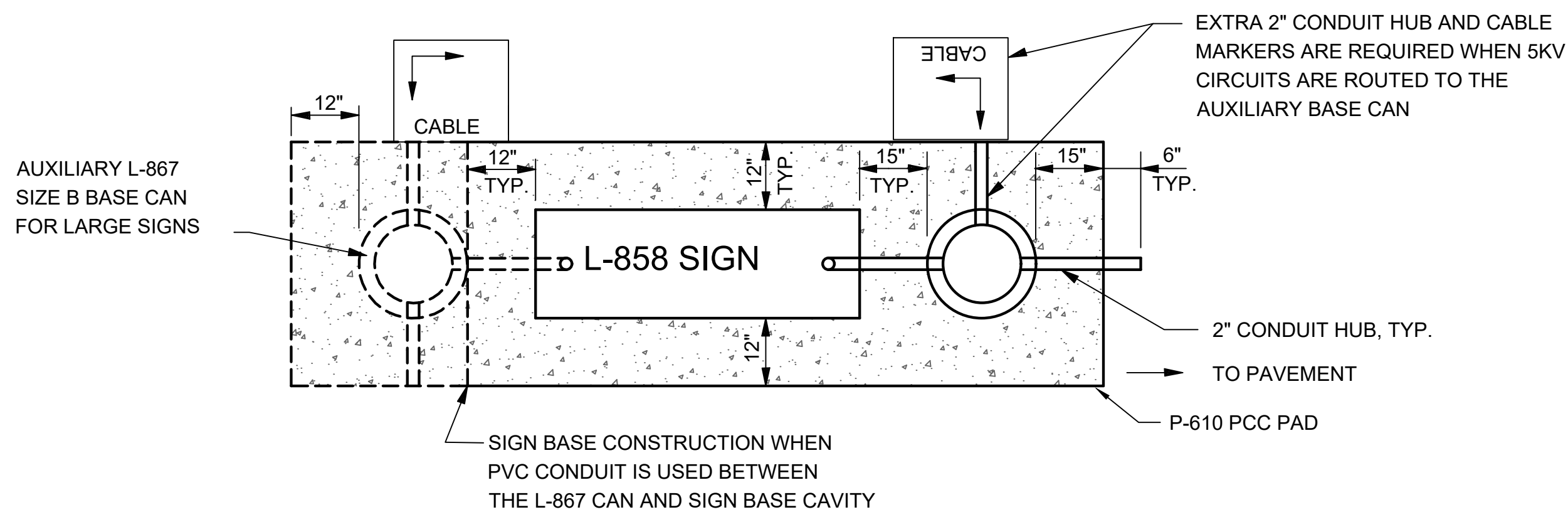
1A
E-604



- GENERAL SIGN NOTE:
1. REFER TO TYPICAL LIGHTED AIRFIELD GUIDANCE SIGN FOR GUIDANCE SIGN REQUIREMENTS, SEE A/E-604.

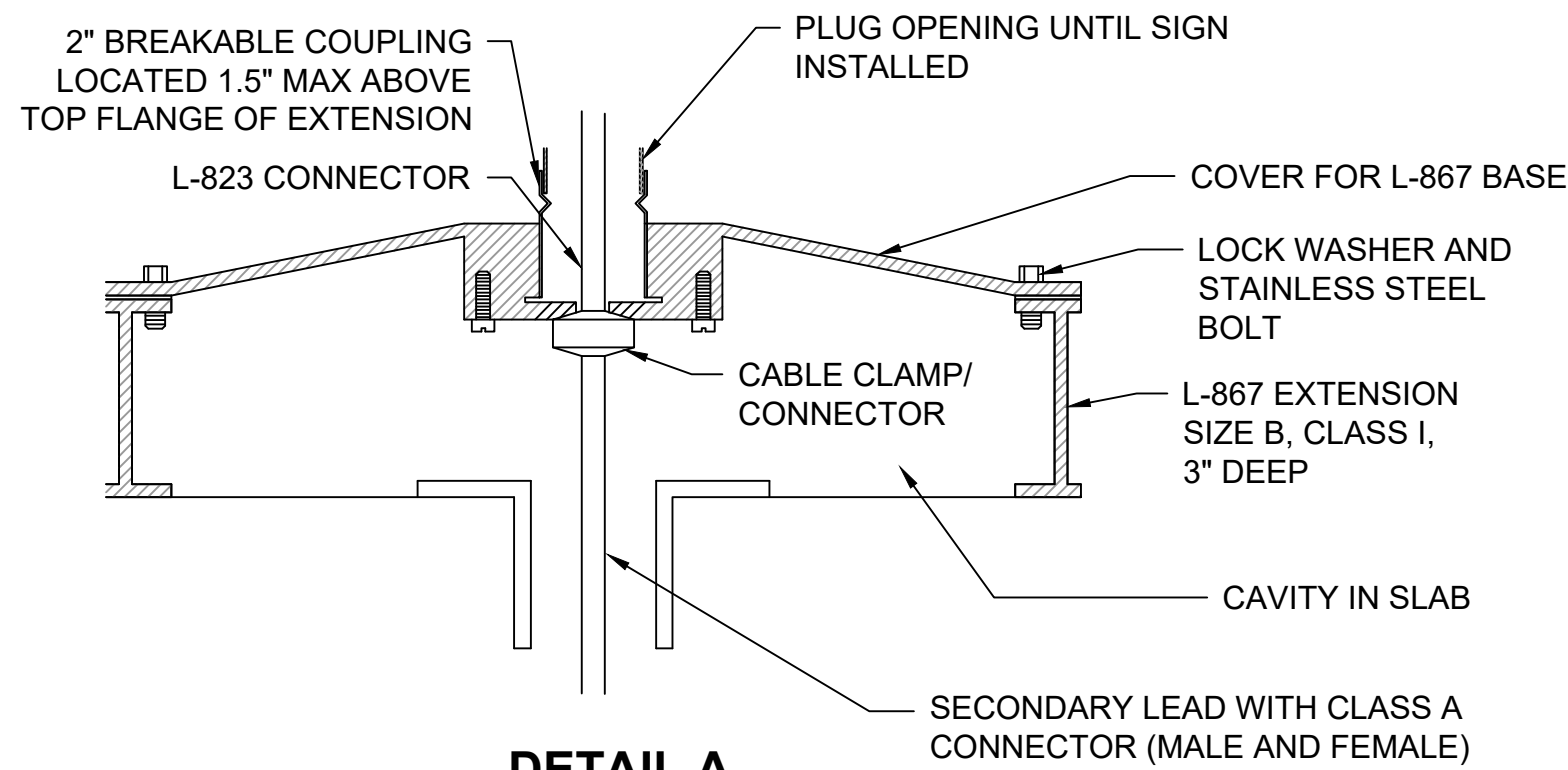
MULTIPLE PEDESTAL SIGN DETAIL
GUIDANCE AND HOLD SIGN
SCALE: NTS

1B
E-604



MULTIPLE SIGNS BASE DETAILS-PLAN VIEWS
SCALE: NTS

2
E-604



Mead & Hunt

Mead and Hunt, Inc.
5955 Core Road, Suite 515
North Charleston, SC 29406
phone: 843-486-8330
meadhunt.com

Augusta
Regional Airport

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless and defended from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such misuse or reuse of the documents. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

AUGUSTA REGIONAL AIRPORT
HANGAR N1 RAMP & TAXILANE

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
ISSUED FOR BID

NOT FOR CONSTRUCTION

AIP NO.: 3-13-011-045-2020
MSH NO.: 0119700-202061.01
DATE: DECEMBER 6, 2021
DESIGNED BY: NJH
DRAWN BY: XXX
CHECKED BY: XXX
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ELECTRICAL DETAILS

SHEET NO.

E-604