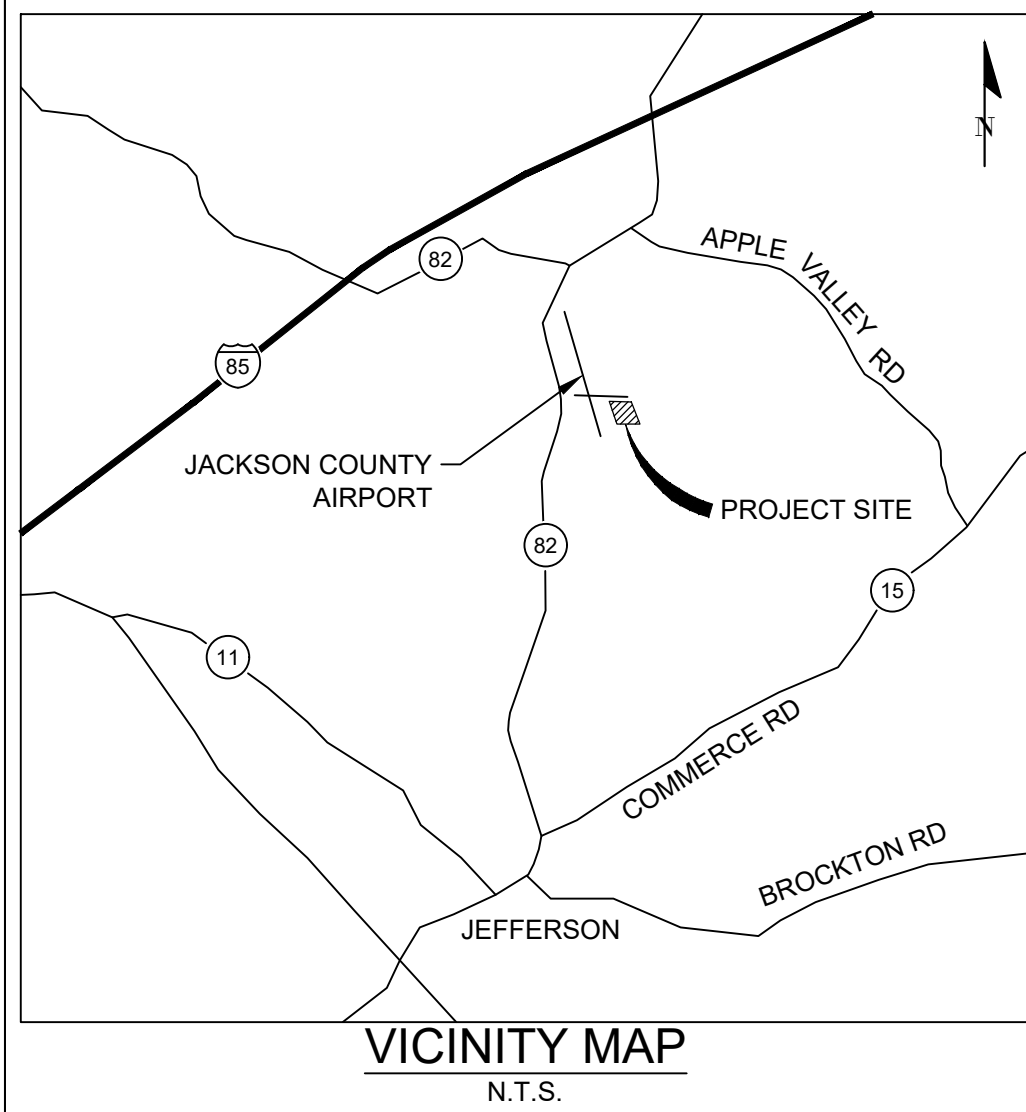


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OWNER: JACKSON COUNTY  
*[Signature]* 9/30/2020  
TOM STRONG AIRPORT MANAGER DATE:

ENGINEER / DESIGNER: W.K. DICKSON & CO., INC.  
*[Signature]* 9-30-2020  
BRAD FERMANICH, P.E. TECHNICAL MANAGER DATE:

# CONSTRUCTION PLANS FOR: APRON PAVEMENT AND DRAINAGE REHABILITATION

TOTAL SITE AREA = 177.69 ACRES  
DISTURBED AREA = 2.97 ACRES

## FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA FEBRUARY 2021

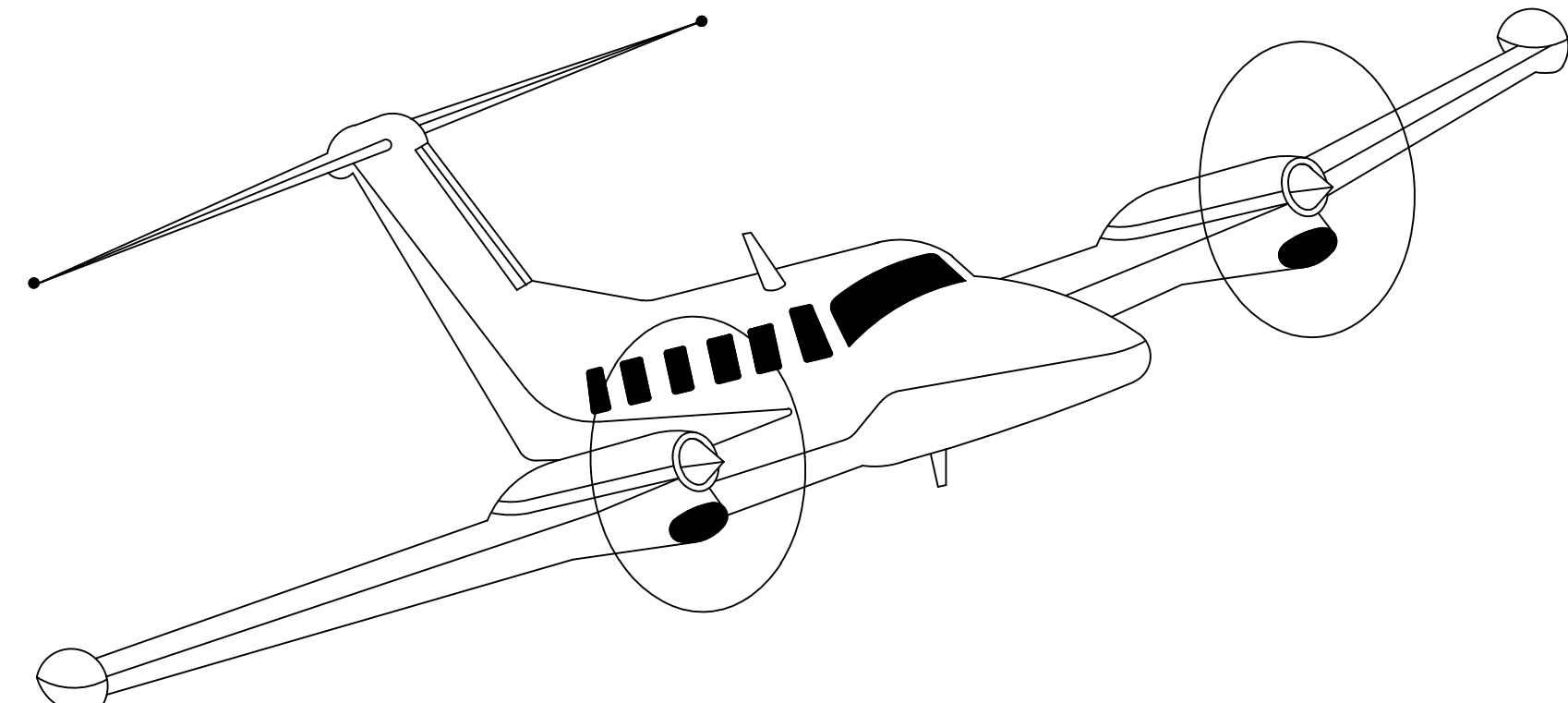
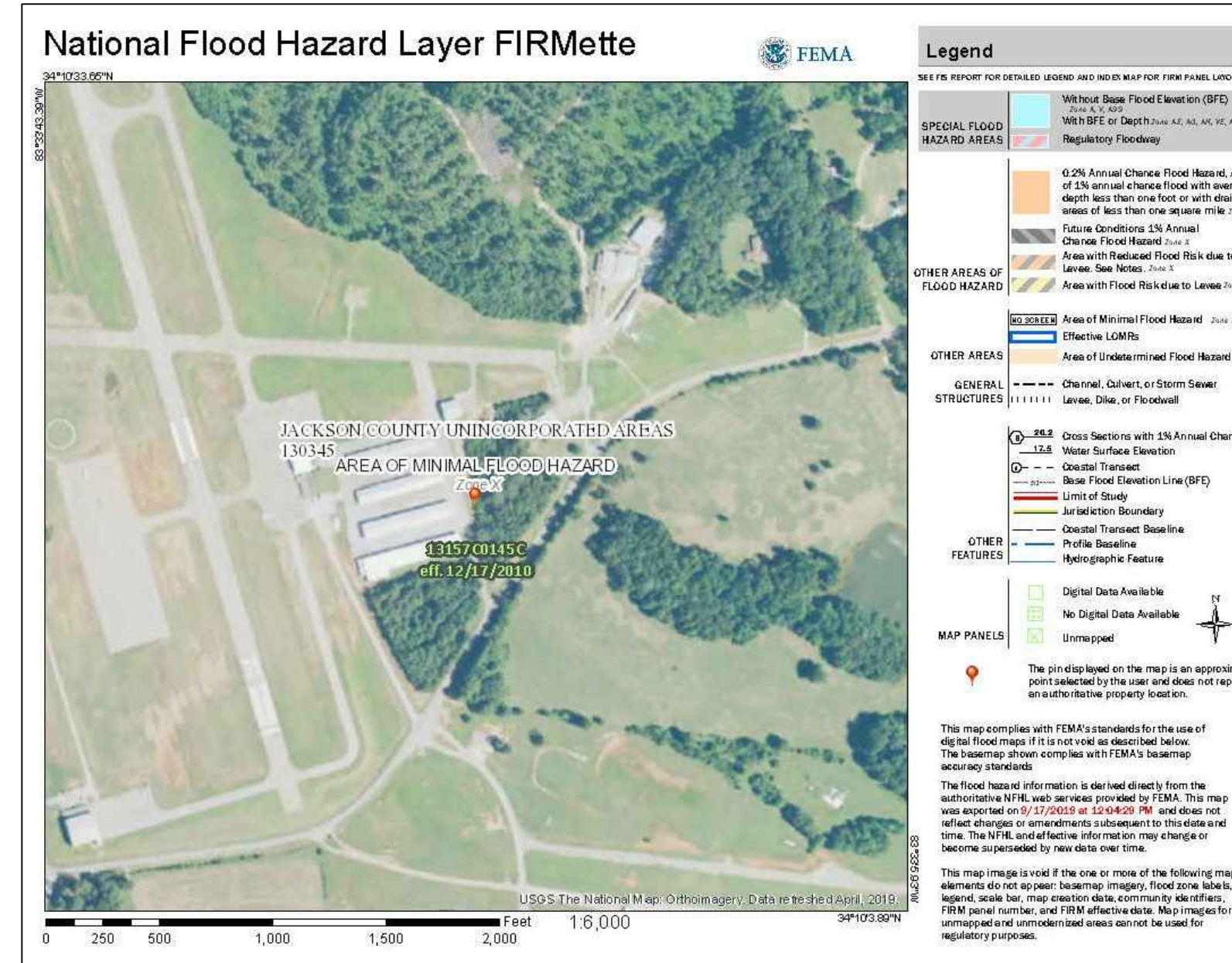
GDOT PROJECT NO. TBD  
W.K. DICKSON & CO., INC. PROJECT NO. 20190358.00.AT



**WK DICKSON**  
community infrastructure consultants  
2120 POWERS FERRY ROAD  
SUITE 100, ATLANTA, GA 30339  
(770) 955-5574  
(770) 955-0338  
WWW.WKDICKSON.COM

GSWCC NO. 5746  
EXPIRATION DATE 04/14/2021  
PROFESSIONAL SEAL

REVISION RECORD	DESCRIPTION	DATE



### SUMMARY OF QUANTITIES

T-HANGAR APRON PAVEMENT AND DRAINAGE REHABILITATION (PHASE 2)				
Item No.	Spec. No.	Description	Bid Quantity	Unit
1	FAA C-105	Mobilization	1	LS
2	FAA C-102	Temporary Construction Exit, including installation, maintenance, and removal	1	EA
3	FAA C-102	Temporary Compost Filter Sock, including installation, maintenance, and removal	630	LF
4	FAA C-102	Temporary Storm Drainage Inlet Protection, including installation, maintenance, and removal	2	EA
5	FAA C-102	Temporary Excavated Inlet Sediment Trap Storm Drainage Inlet Protection, including installation, maintenance, and removal	1	EA
6	FAA C-102	Temporary Slotted Board Dam with Stone Retrofit, including installation, maintenance, and removal	2	EA
7	FAA C-102	Permanent Rip Rap Outlet Protection, including installation and maintenance	9	SY
8	FAA C-102	Permanent Slope Stabilization Matting Blanket, including installation and maintenance	172	SY
9	FAA P-101	Bituminous Pavement Removal	8,981	SY
10	FAA P-101	Remove Existing 15" CMP	100	LF
11	FAA P-101	Remove Existing Drainage Structure	1	EA
12	FAA P-101	Joint and Crack Repair and Seal	1,100	LF
13	FAA P-152	Unclassified Excavation	2,576	CY
14	FAA P-209	Crushed Aggregate Base Course, 6in Depth	2,040	CY
15	GDOT 402	Recycled Asphaltic Concrete 12.5mm, Group I or II, including bituminous materials and hydrated lime	1,825	TN
16	FAA P-602	Bituminous Prime Coat	3,060	GAL
17	FAA P-603	Bituminous Tack Coat	1,521	GAL
18	FAA P-620	Runway & Taxiway Marking, Permanent, Yellow, Reflective with Microbicide	449	SF
19	FAA P-620	Runway & Taxiway Marking, Temporary, Yellow, Non-Reflective with Microbicide	449	SF
20	FAA D-701	18" Diam. CMP, 16 gauge polymer coated	183	LF
21	FAA D-701	18" Diam. Class IV RCP	73	LF
22	FAA D-702	Slotted Drain with 18" Diam. Pipe, including all appurtenances	312	LF
23	FAA D-702	Slotted Drain with 24" Diam. Pipe, including caps, transition sleeves, and all appurtenances	311	LF
24	FAA D-702	24" Diam. Elbow for Slotted Drain, including transition sleeves and all appurtenances	2	EA
25	FAA D-702	Concrete for Slotted Drain Backfill	108	CY
26	FAA D-751	4x4' Drop Inlet, 0'-10" Depth	1	EA
27	FAA D-751	4x4' Drop Inlet with Concrete Apron, 0'-10" Depth	1	EA
28	FAA D-752	18" Concrete Flared End Section	1	EA
29	FAA D-752	Modify Existing Drainage Structure	1	EA
30	FAA T-901	Permanent Grassing, including seed, lime, fertilizer, and mulch	1.0	AC
31	FAA T-905	Topsail Placement	556	CY
32	FAA T-908	Hydraulic Mulch with Tackifier	1.0	AC
33	FAA T-908	Temporary Mulch	3.0	AC
34	-	Remove/relocate existing underground electrical utilities & transformers (Jackson EMC)	1	ALW

# TOM STRONG AIRPORT MANAGER

500 SKY HARBOR WAY  
JEFFERSON, GA 30549  
PHONE: (706) 367-1493

**WK DICKSON**  
community infrastructure consultants

**NOTICE TO CONTRACTOR**  
1. THE CONTRACTOR SHALL FIELD VERIFY THE ON-SITE T.B.M. WITH EXISTING ELEVATIONS. THE CONTRACTOR SHALL IMMEDIATELY CONTACT W.K. DICKSON & CO., INC. AT 770-955-5574 IF ANY DISCREPANCIES ARE FOUND IN ELEVATIONS SHOWN.  
2. PRIOR TO CONSTRUCTION, DIGGING, OR EXCAVATION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES (PUBLIC AND/OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA(S) OF CONSTRUCTION, WHETHER INDICATED ON THE PLANS OR NOT. CALL "811" A MINIMUM OF 72 HOURS PRIOR TO DIGGING OR EXCAVATING. REPAIRS TO ANY UTILITY DAMAGED RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



INDEX OF DRAWINGS	
DRAWING NUMBER	DRAWING TITLE
1	COVER
2	PROJECT LAYOUT AND CONSTRUCTION SAFETY PLAN
3	SAFETY AND PHASING NOTES AND DETAILS
4	DEMOLITION PLAN
5	LIMITS OF DISTURBANCE TABLES
6	EROSION CONTROL PLAN COVER
7	NPDES NOTES - SHEET 1
8	NPDES NOTES - SHEET 2
9	NPDES NOTES - SHEET 3
10	GAR100002 CHECKLIST
11	BMP LOCATION PLAN PHASE 1 - CLEARING & GRUBBING
12	BMP LOCATION PLAN PHASE 2 - TEMPORARY GRASSING & VEGETATION
13	BMP LOCATION PLAN PHASE 3 - PERMANENT VEGETATION & STABILIZATION
14	EROSION CONTROL DETAILS - SHEET 1
15	EROSION CONTROL DETAILS - SHEET 2
16	EROSION CONTROL DETAILS - SHEET 3
17	GRADING & DRAINAGE PLAN
18	STORM DRAINAGE PROFILES
19	SLOTTED DRAIN PROFILES - SHEET 1
20	SLOTTED DRAIN PROFILES - SHEET 2
21	STORM DRAINAGE DETAILS
22	SLOTTED DRAIN DETAILS
23	PAVING, MARKING, AND LAYOUT PLAN
24	PAVING DETAILS
25	MARKING & CRACK REPAIR DETAILS

**BID DOCUMENT - NOT FOR CONSTRUCTION**  
PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA  
DRAWING TITLE: COVER  
PROJ. MGR.: JPK  
DESIGN BY: BCF  
DRAWN BY: BCF  
PROJ. DATE: FEB 2021  
DRAWING NUMBER: 1 OF 25  
WKD PROJ. NO.: 20190358.00.AT



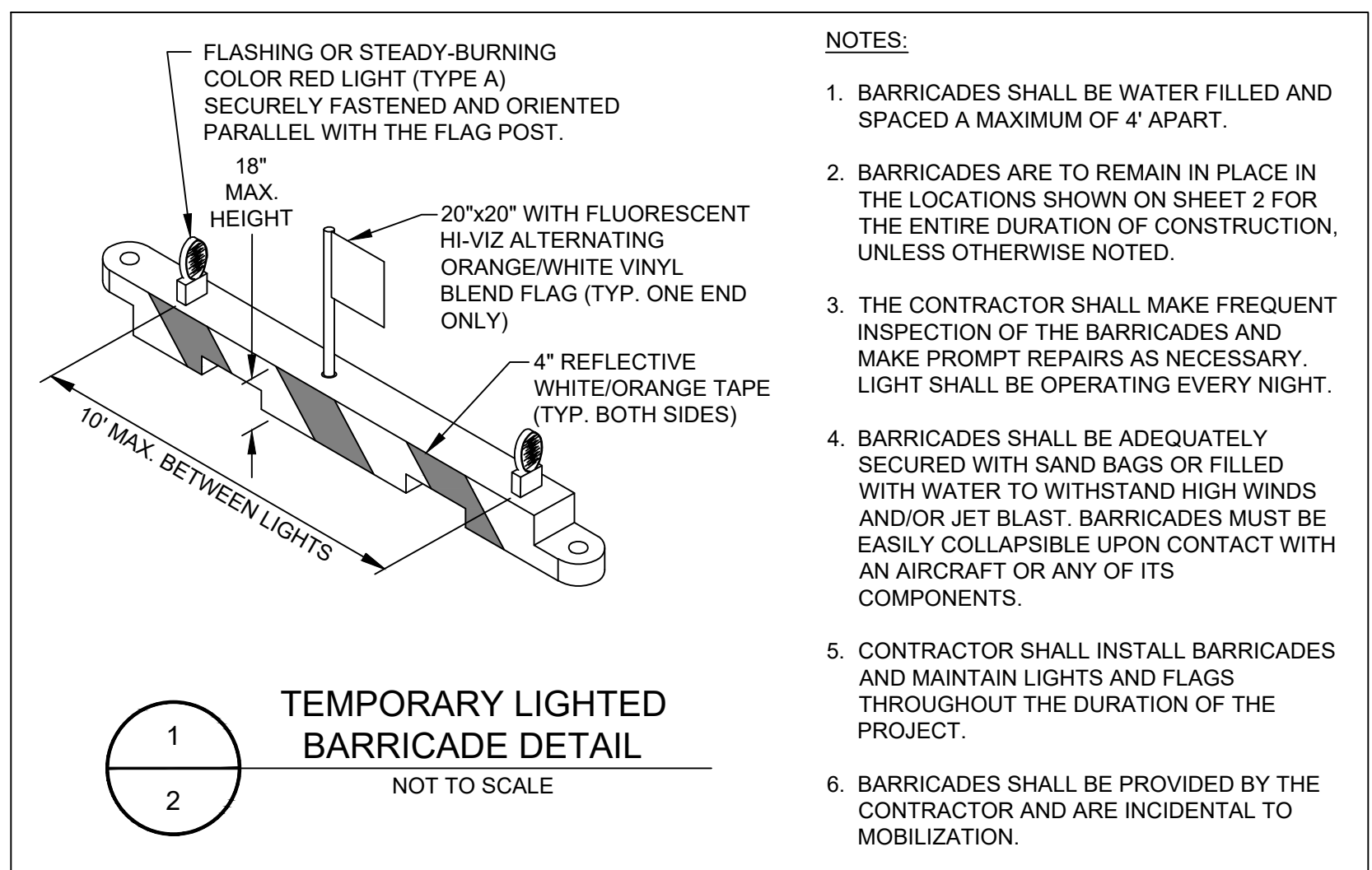
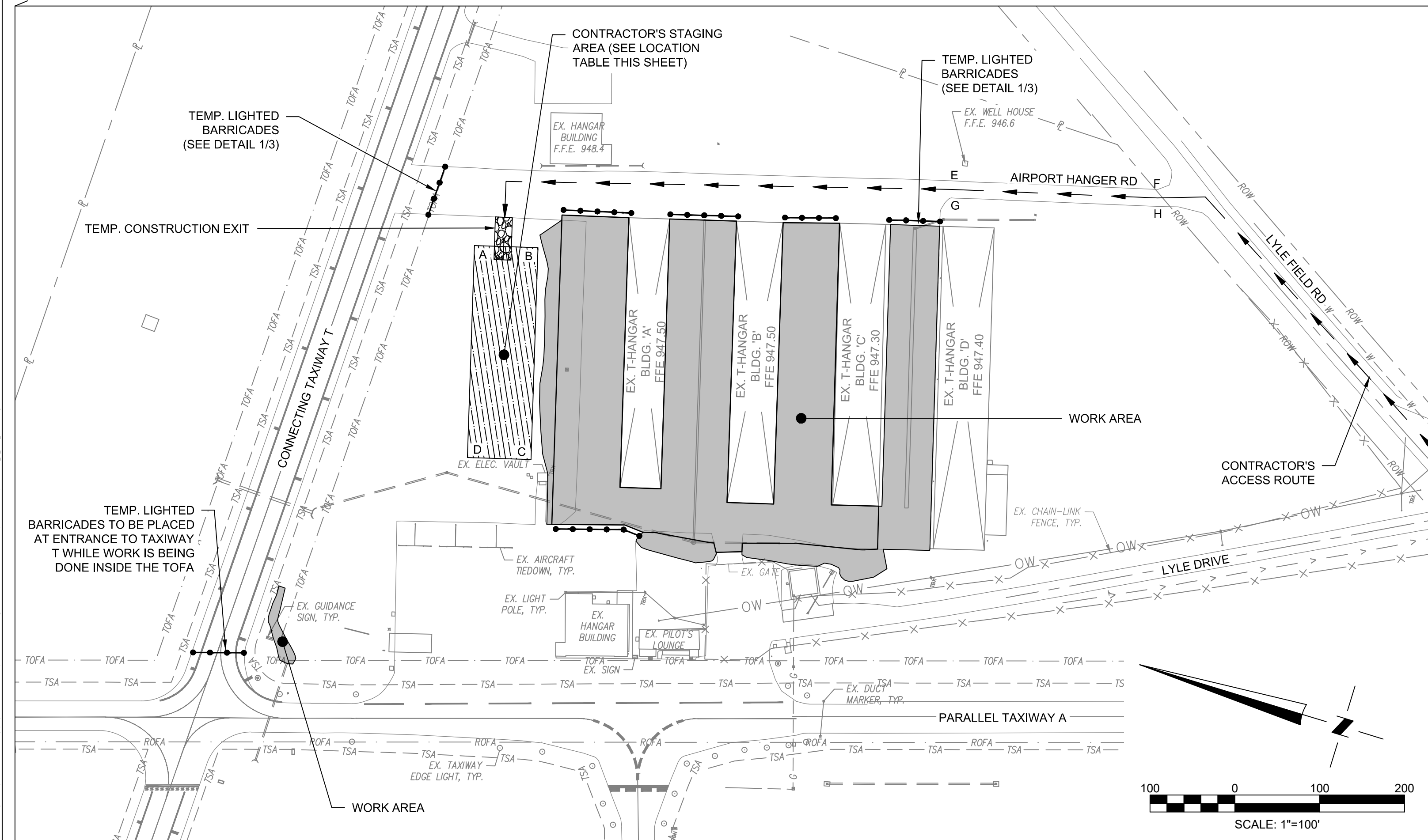
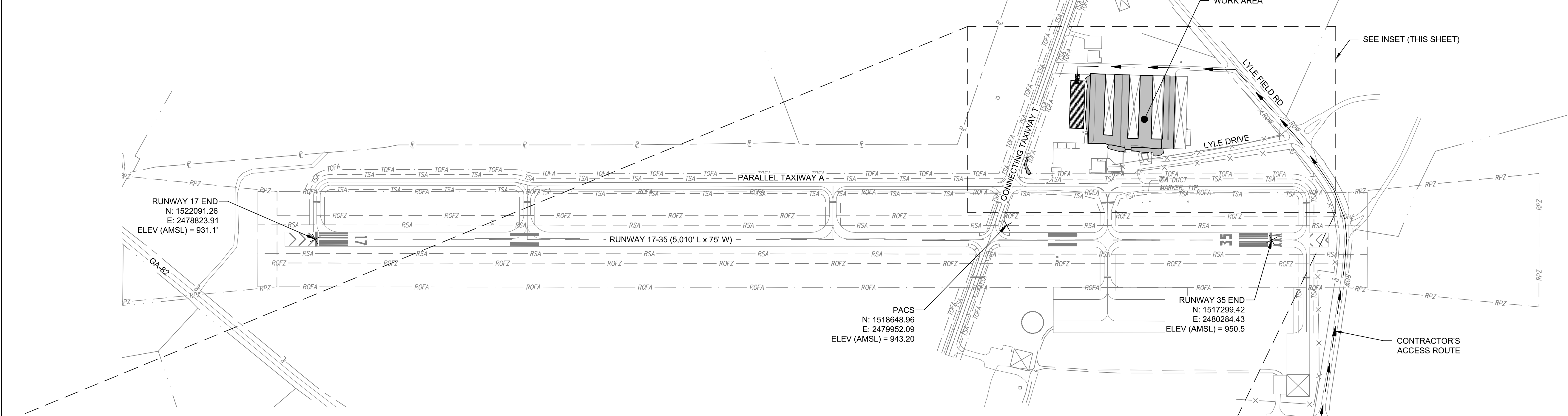
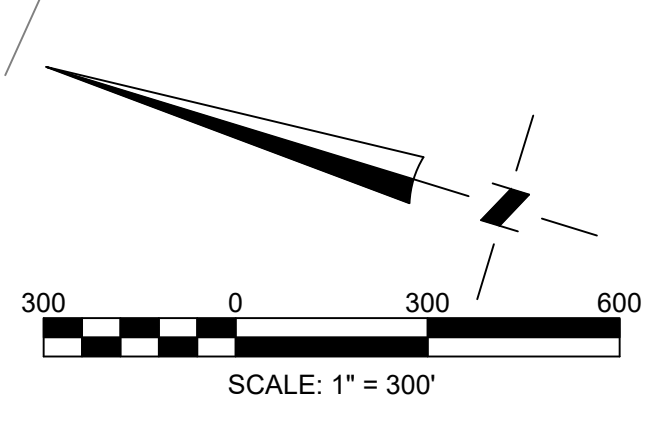
CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.

LEGEND	
	AIRPORT PROPERTY LINE (PL)
	EX. PAVEMENT EDGE
	PROP. PAVEMENT EDGE
	EX. RUNWAY SAFETY AREA (RSA)
	EX. RUNWAY OBJECT FREE AREA (ROFA)
	EX. RUNWAY OBSTACLE FREE ZONE (ROFZ)
	EX. RUNWAY PROTECTION ZONE (RPZ)
	EX. TAXIWAY SAFETY AREA (TSA)
	EX. TAXIWAY OBJECT FREE AREA (TOFA)
	CONTRACTOR'S ACCESS/HAUL ROUTE
	CONTRACTOR'S STAGING AREA
	TEMPORARY CONSTRUCTION EXIT

PHASE LEGEND	
	TEMP. LIGHTED BARRICADE
	BOUNDARY LINE
	WORK AREA

CONTRACTOR'S STAGING AREA LOCATION TABLE - PHASE 2		
POINT ID	NORTHING	EASTING
A	1518550.2706	2480776.5630
B	1518477.8609	2480796.1036
C	1518412.7253	2480554.7381
D	1518485.1349	2480535.1974

SURVEY CONTROL POINTS			
POINT	NORTHING	EASTING	ELEVATION (AMSL)
RW 17 END	1522091.26	2478823.91	931.10
RW 35 END	1517299.42	2480284.43	950.50
PACS	1518648.96	2479952.09	943.20



- NOTES:**
- BARRICADES SHALL BE WATER FILLED AND SPACED A MAXIMUM OF 4' APART.
  - BARRICADES ARE TO REMAIN IN PLACE IN THE LOCATIONS SHOWN ON SHEET 2 FOR THE ENTIRE DURATION OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
  - THE CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE BARRICADES AND MAKE PROMPT REPAIRS AS NECESSARY. LIGHT SHALL BE OPERATING EVERY NIGHT.
  - BARRICADES SHALL BE ADEQUATELY SECURED WITH SAND BAGS OR FILLED WITH WATER TO WITHSTAND HIGH WINDS AND/OR JET BLAST. BARRICADES MUST BE EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF ITS COMPONENTS.
  - CONTRACTOR SHALL INSTALL BARRICADES AND MAINTAIN LIGHTS AND FLAGS THROUGHOUT THE DURATION OF THE PROJECT.
  - BARRICADES SHALL BE PROVIDED BY THE CONTRACTOR AND ARE INCIDENTAL TO MOBILIZATION.

2120 POWERS FERRY ROAD
   
 SUITE 100, ATLANTA, GA 30339
   
 (770) 955-5574
   
 (770) 955-0398
   
 WWW.WKDICKSON.COM

PROFESSIONAL SEAL

REVISION RECORD	DESCRIPTION	DATE	BY

PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA
   
 DRAWING TITLE: PROJECT LAYOUT AND CONSTRUCTION SAFETY PLAN

PROJ. MGR.: JPK
   
 DESIGN BY: BCF
   
 DRAWN BY: BCF
   
 PROJ. DATE: FEB 2021
   
 DRAWING NUMBER:
   
**2 OF 25**
  
 WKD PROJ. NO.: 20190358.00.AT

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**GENERAL NOTES:**

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
- THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES AND FACILITIES (I.E., AIRPORT LIGHTING, NAVAIDS, ETC.) FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY AND FACILITY AGENCIES FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE UNDERGROUND UTILITIES. ALL UTILITIES AND FACILITIES ARE NOT NECESSARILY SHOWN. CONTRACTOR SHALL REPAIR OR REPLACE AIRFIELD LIGHTS OR EQUIPMENT DAMAGED BY CONSTRUCTION OPERATIONS UNDER SUPERVISION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE BY THE END OF THE WORKING DAY. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE SHOULD BE ANTICIPATED.
- ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAUL ROUTES, GRADING LIMITS, ETC., SHALL BE RESTORED TO A SMOOTH LINE AND GRADE WITH POSITIVE DRAINAGE. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THERE WILL BE NO MEASUREMENT FOR PAYMENT OF SEEDING AND MULCHING REQUIRED OUTSIDE THE GRADING LIMITS, APPROVED STOCKPILE LIMITS OR APPROVED HAUL LIMITS.
- THE CONTRACTOR WILL BE REQUIRED TO TRANSPORT AND STORE ALL EQUIPMENT AND MATERIALS IN A MANNER WHICH WILL NOT DAMAGE ANY EXISTING PAVEMENT, BUILDINGS, SIGNS, LIGHTS, ETC. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL KEEP ACCESS ROUTES CLEAN AND FREE OF LOOSE DEBRIS FROM CONSTRUCTION MATERIALS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CLEARING ALL PAVEMENTS TRAVERSED BY CONSTRUCTION EQUIPMENT OF DEBRIS DAILY. HAUL ROUTE MAINTENANCE, CLEANING, AND RESTORATION SHALL BE INCIDENTAL TO THE PROJECT.
- CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE ACCESS ROUTE, THE HAUL ROUTE, THE STAGING AREA, AND CONSTRUCTION AREA, AND WILL NOT PERMIT HIS EMPLOYEES OR EQUIPMENT TO ENTER OR CROSS ANY PORTION OF THE AIRPORT OPERATIONS AREA (RUNWAY, TAXIWAY, APRONS) AND SHALL NOT PERFORM ANY CONSTRUCTION WITHIN THIS AREA WITHOUT PRIOR PERMISSION FROM A DESIGNATED AIRPORT REPRESENTATIVE.
- DURING NON-CONSTRUCTION PERIODS AND HOURS OF DARKNESS, THE CONTRACTOR SHALL RETURN ALL CONSTRUCTION EQUIPMENT TO THE STAGING AREA.
- NO DEBRIS OF ANY NATURE SHALL BE ALLOWED OUTSIDE OF THE CONSTRUCTION AREAS. ALL LOOSE MATERIALS (MILLINGS, DIRT, STONE, PAVEMENT, FORMING, ETC.) MUST BE KEPT WITHIN THE LIMITS OF CONSTRUCTION. WHEN THE CONSTRUCTION BARRIERS ARE MOVED DURING CONSTRUCTION, CLEANUP OF THE AREAS OUTSIDE THE BARRIERS SHALL OCCUR IMMEDIATELY. IN ADDITION, NO LOOSE MATERIALS THAT COULD BLOW INTO AIRCRAFT OPERATIONS AREA SHALL BE ALLOWED IN THE CONSTRUCTION AREA. A FUNCTIONAL SWEEPER SHALL BE LOCATED ONSITE AT ALL TIMES THE AIRPORT IS OPEN FOR OPERATIONS.
- THE CONTRACTOR & HIS/HER EMPLOYEES SHALL NOT BE ALLOWED IN THE EXISTING TERMINAL BUILDING. A PORT-A-JOHN SHALL BE ON SITE AT ALL TIMES. COST OF PORT-A-JOHN SHALL BE INCIDENTAL TO THE COST OF MOBILIZATION.
- THE CONTRACTOR SHALL PROVIDE FOR EMPLOYEE PARKING WITHIN HIS STAGING AREA. ONLY AUTHORIZED VEHICLES WILL BE ALLOWED INSIDE THE SECURITY FENCE. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL POSITION ALL EQUIPMENT, TOOLS, MATERIAL, ETC. IN THE APPROVED STAGING AREA UNLESS OTHERWISE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONTRACTOR'S STAGING AREA IS SHOWN GENERALLY ON THE PLANS. THE ACTUAL SIZE AND LOCATION WILL BE DETERMINED AT THE PRE-CONSTRUCTION CONFERENCE.
- EQUIPMENT NOT IN USE SHALL BE PARKED IN THE CONTRACTOR'S STAGING AREA OR IN AREAS DESIGNATED BY THE RESIDENT PROJECT REPRESENTATIVE.
- ALL DE-WATERING REQUIRED TO EXECUTE WORK SHALL BE INCIDENTAL TO THE PROJECT.
- ALL CONSTRUCTION VEHICLES TRAVERSING ANY PORTION OF THE AOA (AIRPORT OPERATIONS AREA), MUST BE PROVIDED WITH A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG MUST BE AT LEAST 3 FEET BY 3 FEET SQUARE HAVING A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE SQUARES AT LEAST 1 FOOT ON EACH SIDE. THE STANDARD FOR IDENTIFICATION LIGHTING FOR VEHICLES OPERATING IN THE AOA IS AN AMBER FLASHING LIGHT THAT IS MOUNTED ON THE UPPERMOST PART OF THE VEHICLE STRUCTURE. A STEADY AMBER LIGHT DESIGNATES VEHICLES LIMITED TO NON-MOVEMENT AREAS. SEE VEHICLE FLAG DETAIL 1/3.
- AIRPORT OPERATORS AND CONSTRUCTION CONTRACTORS SHALL CONTROL AND CONTINUOUSLY REMOVE WASTE OR LOOSE MATERIALS THAT MIGHT ATTRACT WILDLIFE. VARIOUS CONTRACTOR OPERATIONS DURING CONSTRUCTION CAN DIRECTLY OR INDIRECTLY CREATE WILDLIFE HAZARDS AT AIRPORTS. ONE INDIRECT WILDLIFE HAZARD BY CONTRACTOR PERSONNEL ACTIVITY IS THE GENERATION OF TRASH. FOOD SCRAPS MUST BE COLLECTED FROM CONSTRUCTION PERSONNEL AND DISPOSED OF APPROPRIATELY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS FOR TRASH REMOVAL FROM THE PROJECT SITE AS WELL AS THE CONTRACTOR'S STAGING AREA. TRASH SHOULD BE REMOVED FROM THE SITE ON A WEEKLY BASIS AS A MINIMUM REQUIREMENT. SHOULD THIS PRACTICE PROVE TO BE INADEQUATE, THE CONTRACTOR WILL BE ASKED TO INCREASE THE FREQUENCY OF TRASH REMOVAL. THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE DURING CONSTRUCTION TO AVOID STANDING WATER.
- CONTRACTOR MUST NOT LEAVE OR PLACE FOREIGN OBJECT DEBRIS (FOD) ON OR NEAR ACTIVE AIRCRAFT MOVEMENT AREAS (AIRPORT OPERATIONS AREA), MATERIALS TRACKED ONTO THESE AREAS MUST BE CONTINUOUSLY REMOVED DURING THE CONSTRUCTION PROJECT. AN OPERATING SWEEPER MUST BE ONSITE AT ALL TIMES.
- NOTICES TO AIRMEN (NOTAMS) - THE CONTRACTOR SHALL FURNISH THE OWNER'S REPRESENTATIVE WITH THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS (RUNWAY/TAXILANE CLOSURES, TIE-INS, WORK WITHIN AIRPORT OPERATIONS AREA, ETC.) SO THAT NOTAMS CAN BE ISSUED BY FAA FLIGHT SERVICE IN ACCORDANCE WITH ESTABLISHED CRITERIA. THE OWNER'S REPRESENTATIVE WILL BE NAMED AT THE PRECONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL PROVIDE 10 DAYS WRITTEN NOTICE TO RPR/FBO PRIOR TO ANTICIPATED ACTIVITY THAT REQUIRES A NOTAM TO BE ISSUED.
- CONTRACTOR SHALL OBTAIN AND DISTRIBUTE OFF-DUTY CONTACT INFORMATION OF ALL INVOLVED PARTIES IN THE CONSTRUCTION-RELATED ACTIVITIES, IN THE EVENT THAT UNANTICIPATED UTILITY OUTAGE OR CABLE CUT OCCURS THAT IMPACTS FAA NAVAIDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAINING ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. CONTRACTORS OPERATING CONSTRUCTION VEHICLES AND EQUIPMENT ON THE AIRPORT MUST BE PREPARED TO EXPEDITIOUSLY CONTAIN AND CLEAN-UP SPILLS RESULTING FROM FUEL OR HYDRAULIC FLUID LEAKS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATION ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. TRANSPORT AND HANDLING OF OTHER HAZARDOUS MATERIALS ON AN AIRPORT ALSO REQUIRES SPECIAL PROCEDURES. SEE AC 150/5320-15A, MANAGEMENT OF AIRPORT INDUSTRIAL WASTE.
- THE CONTRACTOR SHALL MONITOR RADIO COMMUNICATIONS WITH UNICOM (122.8 MHZ) AT ALL TIMES DURING CONSTRUCTION IN THE AIRPORT OPERATIONS AREA (AOA). THE CONTRACTOR WILL HAVE WORKING RADIO ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL ASSIGN RESPONSIBLE PERSONNEL TO CONTINUOUSLY MONITOR THE UNICOM FREQUENCY. THE CONTRACTOR SHALL PROVIDE RADIO COMMUNICATION TRAINING FOR VEHICLE DRIVERS ENGAGED IN CONSTRUCTION ACTIVITIES AROUND AIRCRAFT MOVEMENT AREAS.
- BURNING WILL NOT BE ALLOWED ON AIRPORT PROPERTY.
- CONCRETE WASH DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLE IS NOT PERMITTED. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS NOT PERMITTED.
- ALL TEMPORARY MARKINGS SHALL BE IN COMPLIANCE WITH AC 150/5340-1M, STANDARDS FOR AIRPORT MARKINGS.
- NO WETLANDS OR ENDANGERED SPECIES HABITAT ARE TO BE AFFECTED BY THIS PROJECT.

**GENERAL SAFETY REQUIREMENTS:**

- THROUGHOUT THE CONSTRUCTION PROJECT, THE FOLLOWING SAFETY AND OPERATIONAL PRACTICES SHALL BE OBSERVED:
- OPERATIONAL SAFETY SHOULD BE A STANDING AGENDA ITEM DURING PROGRESS MEETINGS THROUGHOUT THE CONSTRUCTION PROJECT.
  - THE CONTRACTOR WILL OBTAIN, HAVE KNOWLEDGE OF, AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT:
    - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION AC 150/5370-2G
    - AIRCRAFT RESCUE AND FIRE FIGHTING COMMUNICATIONS AC 150/5210-7D.
    - AIRPORT SAFETY SELF-INSPECTION AC 150/5200-18C.
    - PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT AC 150/5210-5D.
- THE FEDERAL AVIATION ADMINISTRATION WEBSITE FOR ADVISORY CIRCULARS IS: "WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY\_CIRCULARS"
- THE CONTRACTOR, ENGINEER AND AIRPORT OPERATOR SHALL PERFORM ONSITE INSPECTIONS THROUGHOUT THE PROJECT, WITH IMMEDIATE REMEDY OF ANY DEFICIENCIES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE. FOR DETAILED INSPECTION TECHNIQUES SEE AIRPORT SAFETY SELF-INSPECTION AC 150/5200-18C.
  - CONTRACTOR, SUB CONTRACTORS, AND SUPPLIER EMPLOYEES OR ANY OTHER UNAUTHORIZED PERSONS MUST BE RESTRICTED FROM ENTERING OR REMAINING IN AN ACTIVE AIRPORT OPERATIONS AREA. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE CONSTRUCTION ENTRANCE/EXIT SHOWN ON THIS PLAN. CONTRACTOR WILL BE RESPONSIBLE FOR SECURITY OF ALL ENTRANCES DURING CONSTRUCTION.
  - CONSTRUCTION THAT IS WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY, AND/OR INSIDE THE OBJECT FREE AREA OF AN ACTIVE TAXIWAY, TAXILANE, OR APRON THAT OCCURS UNDER NORMAL OPERATIONAL CONDITIONS MUST BE PERFORMED WHEN THE RUNWAY, TAXIWAY, TAXILANE, OR APRON IS CLOSED OR USE-RESTRICTED AND INITIATED ONLY WITH PRIOR PERMISSION FROM THE AIRPORT MANAGEMENT.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR WALKING THE SITE TO ENSURE THAT IT IS CLEAR OF ALL OBSTRUCTIONS AND FOD AT THE END OF EVERY DAY.
  - SELF INSPECTION IS A PRIMARY RESPONSIBILITY OF THE AIRPORT OWNER, OPERATOR, OR A DULY AUTHORIZED REPRESENTATIVE. PRIMARY ATTENTION SHOULD BE GIVEN TO SUCH OPERATIONAL ITEMS AS PAVEMENT AREAS, SAFETY AREAS, MARKINGS, SIGNS, LIGHTING, ARFF, FUELING OPERATIONS, NAVIGATIONAL AIDS, GROUND VEHICLES, OBSTRUCTIONS, PUBLIC PROTECTION, WILDLIFE HAZARD MANAGEMENT, CONSTRUCTION, AND SNOW AND ICE CONTROL. FOR DETAILED INSPECTION TECHNIQUES SEE AIRPORT SAFETY SELF-INSPECTION AC150/5200-18C.
  - CONTRACTOR SHALL BE AWARE OF THE PENALTY PROVISIONS FOR NON-COMPLIANCE WITH AIRPORT RULES AND REGULATIONS OF THESE SAFETY PLANS INCLUDING RESCISSION OF DRIVING PRIVILEGES OR ACCESS TO THE AIRCRAFT OPERATIONS AREA.
  - NO WATER LINES OR FIRE HYDRANTS WILL BE DEACTIVATED DURING CONSTRUCTION. IF DURING CONSTRUCTION, FIRE HYDRANTS ARE DEACTIVATED ACCIDENTALLY OR EMERGENCY ACCESS IS BLOCKED, THE PROCEDURE FOR NOTIFYING ARFF PERSONNEL WILL BE ACCORDING TO THE AIRPORT'S EMERGENCY RESPONSE MANUAL.
  - PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A COPY OF THE AIRPORT'S EMERGENCY RESPONSE MANUAL AND EMERGENCY DIRECTORY FOR NOTIFYING FACILITIES, AGENCIES AND PERSONNEL WHO HAVE RESPONSIBILITIES WITHIN THIS PLAN. CONTRACTOR SHALL ENSURE THAT AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) RIGHT OF WAY ON ACCESS AND HAUL ROADS IS NOT IMPEDED AT ANY TIME AND THAT CONSTRUCTION TRAFFIC DOES NOT INTERFERE WITH NAVAIDS OR APPROACH SURFACE OF THE OPERATIONAL RUNWAY. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY EMERGENCY CONTACT INFORMATION FROM THE FBO.
  - THE CONTRACTOR MUST PROVIDE A CONTACT THAT IS ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES. IN THE EVENT OF AN EMERGENCY THE FIXED BASE OPERATOR (FBO) AND THE RESIDENT PROJECT REPRESENTATIVE (RPR) SHALL BE NOTIFIED.
  - NO STOCKPILES ARE ALLOWED IN THE RUNWAY OBJECT FREE AREA (ROFA), TAXIWAY OBJECT FREE AREA (TOFA), OR TAXILANE OBJECT FREE AREA (TOFA).
  - THE CONTRACTOR IS REQUIRED TO FOLLOW THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). THE CSPP AND THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) MUST BE SUBMITTED AND APPROVED BY FAA VIA THE OE/AAA SUBMITTAL WEBSITE PRIOR TO START OF CONSTRUCTION.

AIRPORT SPONSOR:  
TOM STRONG, AIRPORT MANAGER  
(706) 367-1493  
UNICOM FREQUENCY: 122.8

LIQUIDATED DAMAGES FOR EXCEEDING THE CONTRACT TIME SHALL BE AS FOLLOWS:  
• \$500 PER DAY FOR EXCEEDING THE 75 CALENDAR DAY CONTRACT TIME.

**CONSTRUCTION MAINTENANCE & FACILITIES MAINTENANCE:**

- BEFORE BEGINNING ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR MUST, THROUGH THE AIRPORT OPERATOR, GIVE NOTICE (USING THE NOTICE TO AIRMEN (NOTAM) SYSTEM) OF PROPOSED LOCATION, TIME, AND DATE OF COMMENCEMENT OF CONSTRUCTION (WITH 10 DAYS NOTICE PRIOR TO ACTIVITY). UPON COMPLETION OF WORK AND RETURN OF ALL SUCH AREAS TO STANDARD CONDITIONS, THE CONTRACTOR MUST, THROUGH THE AIRPORT OPERATOR, VERIFY THE CANCELLATION OF ALL NOTICES ISSUED VIA THE NOTAM SYSTEM. THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR MUST:
- BE FAMILIAR WITH AND UNDERSTAND THE SAFETY PROBLEMS AND HAZARDS DESCRIBED IN AC 150/5370-2G, OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION.
  - CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED IN AC 150/5370-2G OR ANY OF THE REFERENCES THEREIN.
  - INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY TO BE AWARE OF CONDITIONS.
  - PROMPTLY TAKE ALL ACTIONS NECESSARY TO PREVENT OR REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS AS SOON AS THEY ARE DISCOVERED.

**RUNWAY & TAXIWAY SAFETY AREAS (RSA & TSA):**

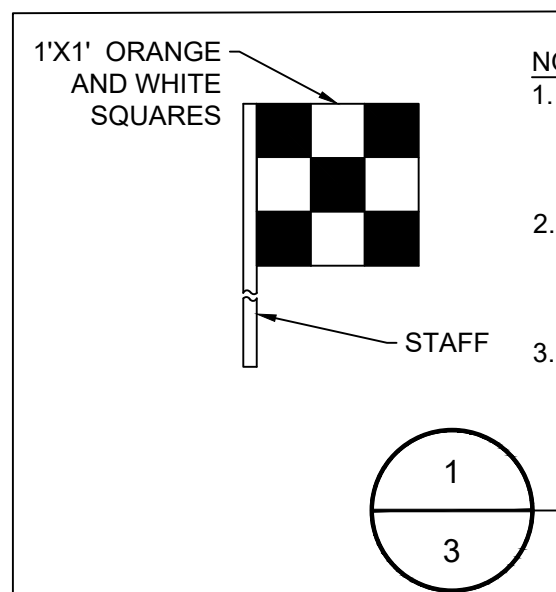
NO WORK IN AN ACTIVE RUNWAY SAFETY AREA IS PERMITTED AND NO PERSONNEL AND/OR EQUIPMENT PULL BACKS TO CLEAR AN ACTIVE RUNWAY SAFETY AREA ARE PERMITTED. CONSTRUCTION ACTIVITY WITHIN THE TAXIWAY SAFETY AREA/OBSTACLE-FREE ZONE IS PERMISSIBLE WHEN THE TAXIWAY IS OPEN TO AIRCRAFT TRAFFIC AS LONG AS THE CONTRACTOR PROVIDES ADEQUATE WINGTIP CLEARANCE BETWEEN THE AIRCRAFT AND EQUIPMENT/MATERIAL: EXCAVATION, TRENCHES, OR OTHER CONDITIONS ARE CONSPICUOUSLY MARKED AND LIGHTED; AND LOCAL NOTAMS ARE IN EFFECT FOR THE ACTIVITY (SEE AC 150/5300-13A FOR WINGTIP CLEARANCE REQUIREMENTS.) AIRPORT USERS WILL BE NOTIFIED OF RESTRICTED RUNWAY AND TAXIWAY USAGE VIA NOTAM.

PREVENT PERSONNEL, MATERIAL, AND/OR EQUIPMENT, AS DEFINED IN AC 150/5300-13A, PARAGRAPH-308, FROM PENETRATING THE RUNWAY OBSTACLE FREE ZONE (ROFZ).

COORDINATE CONSTRUCTION ACTIVITY WITH THE AIRPORT MANAGER THROUGH THE RPR.

**SURVEY NOTES:**

- THE FOLLOWING INFORMATION WAS USED FOR THE EXISTING SURVEY:  
COORDINATE SYSTEM: GEORGIA STATE PLANE - WEST ZONE US SURVEY FOOT  
PROJECT HORIZONTAL DATUM: NAD 83/2011  
VERTICAL DATUM: NAVD 88  
COORDINATE UNITS: US SURVEY FEET  
VERTICAL UNITS: US SURVEY FEET
- SURVEY WAS DONE BY WARREN S. WOOD, GA. P.L.S. NO. 2849 WITH WOOD BROTHERS LAND SURVEYORS, INC. AND COMPLETED ON OCTOBER 29, 2019.
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO NAVD88 AND ARE BASED ON MEAN SEA LEVEL.
- ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS IN FEET & DECIMALS THEREOF, UNLESS OTHERWISE NOTED.
- ALL UTILITIES MAY NOT BE SHOWN ON THIS SURVEY. ALL UTILITY LINES SHOWN HEREON MAY HAVE EASEMENTS AND RIGHTS OF ENTRANCE AND MAINTENANCE ASSOCIATED WITH THEM.



- NOTES:**
- ALL VEHICLES WILL BE PROVIDED WITH A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THE FLAG WILL BE READILY VISIBLE.
  - THE FLAG WILL BE A MIN OF 3 FOOT SQUARE WITH A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE AT LEAST 1 FOOT ON EACH SIDE.
  - CONTRACTOR VEHICLES AND EQUIPMENT SHALL BE MARKED WITH CHECKERED FLAGS AND LIGHTED WITH FLASHING BEACONS TO COMPLY WITH REQUIREMENTS OF FAA AC 150/5210-5G

CONSTRUCTION PHASING			
DURATION	DESCRIPTION OF WORK	AREAS AFFECTED	MITIGATION OF EFFECTS
75 CALENDAR DAYS	REALIGNMENT OF EXISTING T-HANGAR APRON AREAS, REMOVAL AND REPLACEMENT OF ALL PAVEMENT IN APRON AREAS #1-3, EXPANSION OF APRON AREA #1, AND CRACK SEALING AND CLEANING OF APRON AREA #4.	WORK INSIDE THE TAXIWAY SAFETY AREA (TSA) WITHIN 24.5' OF THE CENTERLINE OF TAXIWAY T. WORK IN THE T-HANGAR APRON AREA.	TAXIWAY T SHALL BE CLOSED WHILE WORK IS BEING DONE INSIDE THE TOFA OF THE TAXIWAY WITHIN 39.5' OF THE CENTERLINE. THE T-HANGAR APRON AREA AND AIRPORT HANGER ROAD SHALL ALSO BE CLOSED TO AIRCRAFT. CONTRACTOR TO INSTALL LIGHTED BARRICADES TO PREVENT AIRCRAFT FROM ENTERING WORK AREA AND TO PREVENT WORK CREWS FROM ENTERING AIRCRAFT MOVEMENT AREAS. NOTAMS TO BE ISSUED 72 HOURS PRIOR TO CONSTRUCTION.

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PROFESSIONAL SEAL

REVISION RECORD	DESCRIPTION	DATE	BY

PROJECT NAME:  
**APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA**

DRAWING TITLE:  
**SAFETY AND PHASING NOTES AND DETAILS**

PROJ. MGR.: JPK  
DESIGN BY: BCF  
DRAWN BY: BCF  
PROJ. DATE: FEB 2021  
DRAWING NUMBER:  
**3 OF 25**  
WKD PROJ. NO.:  
20190358.00.AT

**BID DOCUMENT - NOT FOR CONSTRUCTION**



























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FILE PATH: Z:\Projects\Airport Rehabilitation County (A1010190800004) - Apron Pavement & Drainage Rehab.dwg, Pn: 2524007.dwg, Title: Apron Pavement & Drainage Rehab, Pn: 2524007.dwg, Date: 02/27/2020, 11:59:50 AM

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST  
INFRASTRUCTURE CONSTRUCTION PROJECTS**

**SWCD: Oconee River SWCD**

**Project Name:** Apron Pavement & Drainage Rehab      **Address:** 500 Sky Harbor Way, Jefferson, GA 30549  
**City/County:** Jefferson / Jackson County      **Date on Plans:** JUNE 2020  
**Name & email of person filling out checklist:** Brad Fermanich - bfermanich@wkcdickson.com

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
10	Y	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. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
7	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
7	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
7	Y	4 Provide the name, address, email address, and phone number of primary permittee.
7	Y	5 Note total and disturbed acreage of the project or phase under construction.
6	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
7	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
7	Y	8 Description of the nature of construction activity.
6	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
7	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
6	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
6	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
6	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
6	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
7	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of walled 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."
7	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
6	Y	17 Clearly note the statement that "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." *
7	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
7	Y	19 Clearly note statement that "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."
7	Y	20 Clearly note statement that "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."
7	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
7	Y	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. Include 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. *
7	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
7	Y	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. *
7	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
7	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *

7	Y	27 Description of practices to provide cover for building materials and building products on site. *				
7	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *				
7	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).				
7	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee. *				
7	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results. *				
7	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit. *				
7-8	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *				
8	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *				
11	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *				
8	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *				
11-13	Y	37 Graphic scale and North arrow.				
11-13	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table border="1" style="margin-left: 20px;"> <tr> <td>Existing Contours</td> <td>USGS 1": 2000' Topographical Sheets</td> </tr> <tr> <td>Proposed Contours</td> <td>1": 400' Centerline Profile</td> </tr> </table>	Existing Contours	USGS 1": 2000' Topographical Sheets	Proposed Contours	1": 400' Centerline Profile
Existing Contours	USGS 1": 2000' Topographical Sheets					
Proposed Contours	1": 400' Centerline Profile					
9	N/A	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.				
9	N/A	40 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 2016 Edition. *				
11-13	Y	41 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. Clearly note and delineate all areas of impact.				
11-13	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.				
11	Y	43 Delineation and acreage of contributing drainage basins on the project site.				
11	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.				
9	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.				
12-14	Y	46 Storm drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.				
9,11	Y	47 Soil series for the project site and their delineation.				
11-13	Y	48 The limits of disturbance for each phase of construction.				
16	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.				
11-13	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.				
14-16	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.				
15	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.				

\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the \* checklist items would be N/A.

**Effective January 1, 2020**



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GSWCC NO. 5746  
 EXPIRATION DATE 04/14/2021  
  
 PROFESSIONAL SEAL

NO.	REVISION RECORD	DESCRIPTION	DATE	BY

**PROJECT NAME:**  
 APRON PAVEMENT AND DRAINAGE REHABILITATION  
 FOR THE  
 JACKSON COUNTY AIRPORT (JCA)  
 CITY OF JEFFERSON, GEORGIA

**DRAWING TITLE:**  
 GART100002 CHECKLIST

**PROJ. MGR.:** JPK  
**DESIGN BY:** BCF  
**DRAWN BY:** BCF  
**PROJ. DATE:** FEB 2021  
**DRAWING NUMBER:**

**10 OF 25**

**WKD PROJ. NO.:**  
 20190358.00.AT

**BID DOCUMENT - NOT FOR CONSTRUCTION**

REVISION RECORD	DESCRIPTION	DATE

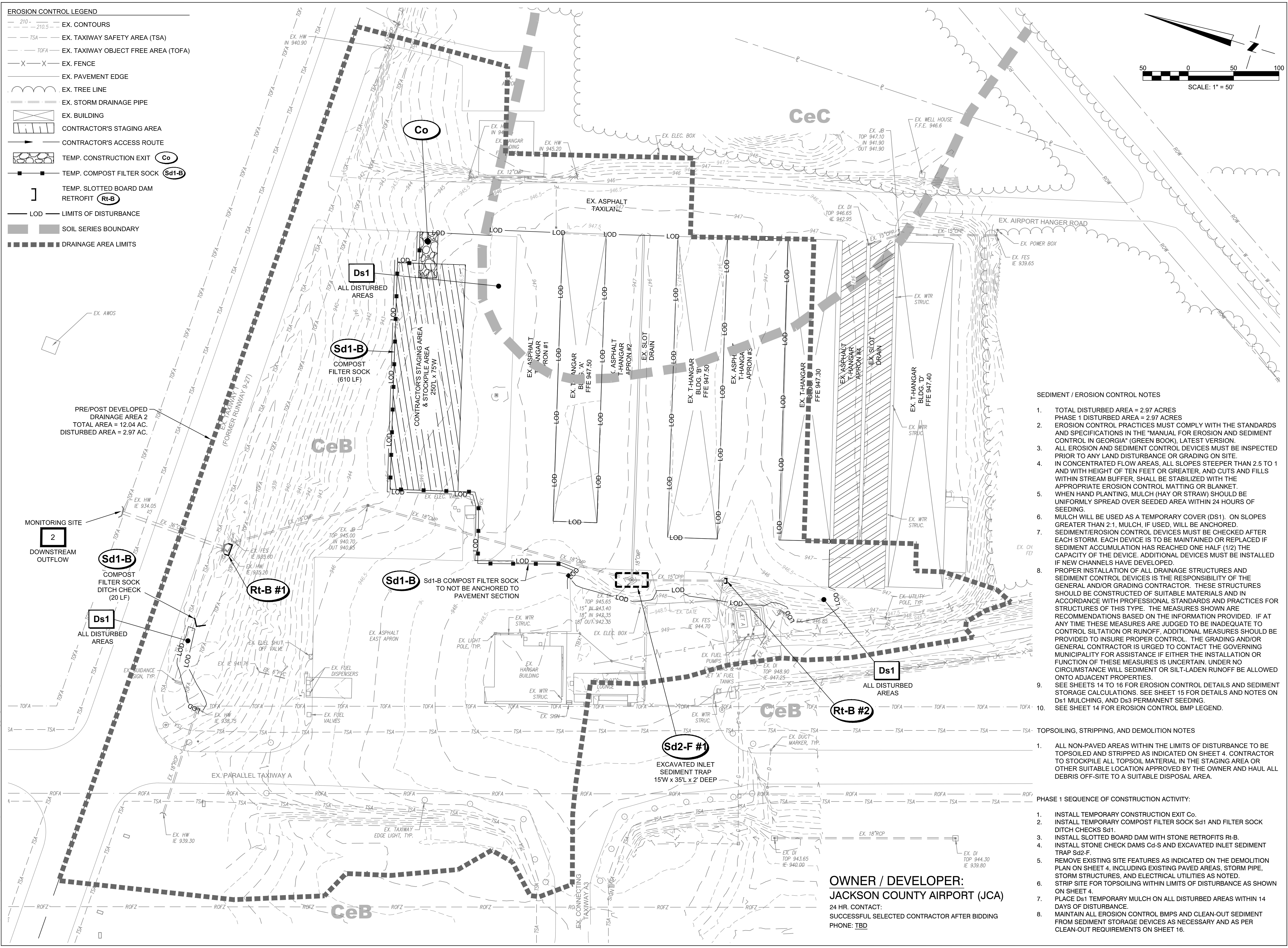
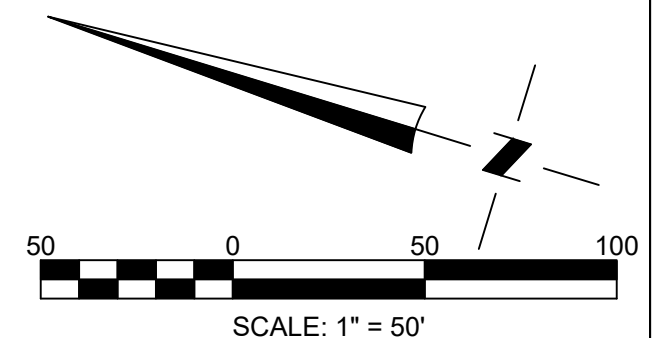
PROJECT NAME:  
**APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA**

DRAWING TITLE:  
**BMP LOCATION PLAN PHASE 1 - CLEARING & GRUBBING**

PROJ. MGR.:	JPK
DESIGN BY:	BCF
DRAWN BY:	BCF
PROJ. DATE:	FEB 2021
DRAWING NUMBER:	

BID DOCUMENT - NOT FOR CONSTRUCTION

- EROSION CONTROL LEGEND**
- 210 - 210.5 EX. CONTOURS
  - TSA EX. TAXIWAY SAFETY AREA (TSA)
  - TOFA EX. TAXIWAY OBJECT FREE AREA (TOFA)
  - X-X EX. FENCE
  - EX. PAVEMENT EDGE
  - EX. TREE LINE
  - EX. STORM DRAINAGE PIPE
  - EX. BUILDING
  - CONTRACTOR'S STAGING AREA
  - CONTRACTOR'S ACCESS ROUTE
  - TEMP. CONSTRUCTION EXIT (Co)
  - TEMP. COMPOST FILTER SOCK (Sd1-B)
  - TEMP. SLOTTED BOARD DAM RETROFIT (Rt-B)
  - LOD - LIMITS OF DISTURBANCE
  - SOIL SERIES BOUNDARY
  - DRAINAGE AREA LIMITS



- SEDIMENT / EROSION CONTROL NOTES**
- TOTAL DISTURBED AREA = 2.97 ACRES  
PHASE 1 DISTURBED AREA = 2.97 ACRES
  - EROSION CONTROL PRACTICES MUST COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (GREEN BOOK), LATEST VERSION. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON SITE.
  - IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
  - MULCH WILL BE USED AS A TEMPORARY COVER (DS1). ON SLOPES GREATER THAN 2:1, MULCH, IF USED, WILL BE ANCHORED. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF (1/2) THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
  - PROPER INSTALLATION OF ALL DRAINAGE STRUCTURES AND SEDIMENT CONTROL DEVICES IS THE RESPONSIBILITY OF THE GENERAL AND/OR GRADING CONTRACTOR. THESE STRUCTURES SHOULD BE CONSTRUCTED OF SUITABLE MATERIALS AND IN ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO CONTROL SILTATION OR RUNOFF, ADDITIONAL MEASURES SHOULD BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS URGED TO CONTACT THE GOVERNING MUNICIPALITY FOR ASSISTANCE IF EITHER THE INSTALLATION OR FUNCTION OF THESE MEASURES IS UNCERTAIN. UNDER NO CIRCUMSTANCE WILL SEDIMENT OR SILT-LADEN RUNOFF BE ALLOWED ONTO ADJACENT PROPERTIES.
  - SEE SHEETS 14 TO 16 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS. SEE SHEET 15 FOR DETAILS AND NOTES ON Ds1 MULCHING, AND Ds3 PERMANENT SEEDING.
  - SEE SHEET 14 FOR EROSION CONTROL BMP LEGEND.

- TOPSOILING, STRIPPING, AND DEMOLITION NOTES**
- ALL NON-PAVED AREAS WITHIN THE LIMITS OF DISTURBANCE TO BE TOPSOILED AND STRIPPED AS INDICATED ON SHEET 4. CONTRACTOR TO STOCKPILE ALL TOPSOIL MATERIAL IN THE STAGING AREA OR OTHER SUITABLE LOCATION APPROVED BY THE OWNER AND HAUL ALL DEBRIS OFF-SITE TO A SUITABLE DISPOSAL AREA.

- PHASE 1 SEQUENCE OF CONSTRUCTION ACTIVITY:**
- INSTALL TEMPORARY CONSTRUCTION EXIT Co.
  - INSTALL TEMPORARY COMPOST FILTER SOCK Sd1 AND FILTER SOCK DITCH CHECKS Sd1.
  - INSTALL SLOTTED BOARD DAM WITH STONE RETROFITS Rt-B.
  - INSTALL STONE CHECK DAMS Gg-S AND EXCAVATED INLET SEDIMENT TRAP Sd2-F.
  - REMOVE EXISTING SITE FEATURES AS INDICATED ON THE DEMOLITION PLAN ON SHEET 4, INCLUDING EXISTING PAVED AREAS, STORM PIPE, STORM STRUCTURES, AND ELECTRICAL UTILITIES AS NOTED.
  - STRIP SITE FOR TOPSOILING WITHIN LIMITS OF DISTURBANCE AS SHOWN ON SHEET 4.
  - PLACE Ds1 TEMPORARY MULCH ON ALL DISTURBED AREAS WITHIN 14 DAYS OF DISTURBANCE.
  - MAINTAIN ALL EROSION CONTROL BMPs AND CLEAN-OUT SEDIMENT FROM SEDIMENT STORAGE DEVICES AS NECESSARY AND AS PER CLEAN-OUT REQUIREMENTS ON SHEET 16.

**OWNER / DEVELOPER:**  
**JACKSON COUNTY AIRPORT (JCA)**  
24 HR. CONTACT:  
SUCCESSFUL SELECTED CONTRACTOR AFTER BIDDING  
PHONE: TBD

FILE PATH: Z:\Power\Airport\Jackson County (20190358).dwg, I:\Projects\2021\Bids\20210210\20210210.dwg  
 PROJECT: JACKSON COUNTY AIRPORT (JCA) - PHASE 1 - CLEARING & GRUBBING  
 DRAWING: BMP LOCATION PLAN PHASE 1 - CLEARING & GRUBBING  
 SHEET: 11 OF 25  
 DATE: FEB 2021  
 DESIGNED BY: BCF  
 DRAWN BY: BCF  
 CHECKED BY: JPK  
 DATE: FEB 2021  
 SCALE: 1" = 50'  
 PROJECT NO.: 20190358.00.AT  
 DRAWING NO.: 20190358.00.AT  
 PROJECT MGR.: JPK  
 DESIGN BY: BCF  
 DRAWN BY: BCF  
 PROJ. DATE: FEB 2021  
 DRAWING NUMBER:    
 PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA  
 DRAWING TITLE: BMP LOCATION PLAN PHASE 1 - CLEARING & GRUBBING



















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**Sd1 Compost Filter Sock Sediment Storage Chart**

Drainage Area ID	Length of Sd1 (lf)	Upstream Slope (x:1)	Sd1 Height (in)	Sd1 clean-out height (in)	Sediment storage length upstream of Sd1 (ft)	Provided Storage Vol of Sd1 (cy)
2	610	100.0	12	6	50.0	282.4

**Sd1 Compost Filter Sock Ditch Check Sediment Storage Chart**

Drainage Area ID	Sd1# ditch check	Channel Bottom Width (ft)	Lateral Slope 'A' (x:1)	Lateral Slope 'B' (x:1)	Upstream grade (%)	Sd1 Height (ft)	Sd1 clean-out height (ft)	Sediment storage length upstream of Sd1 (ft)	Provided Storage Vol of Sd1 (cy)
2	1	2.0	4.0	4.0	0.6	1.0	0.50	87.7	2.7

**EXCAVATED INLET SEDIMENT TRAP CALCULATIONS**

**Sd2-F**

- Drainage Area = 0.58 ac.
- Required Sediment storage = 67 cy/ac \* drainage area = 38.9 cy = 1049 cf
- Assume excavation depth (minimum of 1.5 ft.) = 2.0 ft.
- Assume slope of sides (shall not be steeper than 2:1) = 2:1
- Determine required surface area  
S<sub>Amin</sub> = Required sediment storage / excavation depth  
S<sub>Amin</sub> = 1,049 cf / 2.0 ft  
S<sub>Amin</sub> = 525 sf
- Assume shape of excavation and determine dimensions.  
(A rectangular shape with 2:1 length to width ratio is recommended.)  
Shape: rectangular  
Dimensions: L = 35 ft W = 15 ft diameter (if applicable) = N/A ft

**EXCAVATED INLET SEDIMENT TRAP**

**SLOTTED BOARD DAM RETROFIT CALCULATIONS**

**Rt-B #1**

- Required stormwater storage = 0 cy (as determined by local ordinance)
- Required sediment storage = 127 cy (67 cy/ac \* 1.9 ac disturbed area)
- Total required storage = 0 cy + 127 cy = 127 cy
- Available storage = 229 cy
- Is the available storage (4) greater than the total required storage (3)? X yes no
- If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:  
N/A Raise the invert of the outlet structure N/A inches  
N/A Undercut the pond N/A feet  
N/A Other N/A
- Clean-out elevation = 937.8 ft (Elevation corresponding to 22 cy/ac \* 1.9 ac disturbed area)
- Is the length-width ratio 2:1 or greater? X yes no
- If "no", the length of flow must be increased. Choose the method to be used:  
N/A Baffles (Type of baffle: N/A)  
N/A Other N/A

Note the height and width if a slotted board dam retrofit is to be used.  
Width 4 feet Height = 3.5 feet

**SLOTTED BOARD DAM RETROFIT CALCULATIONS (DRAINAGE AREA #1)**

**Rt-B #2**

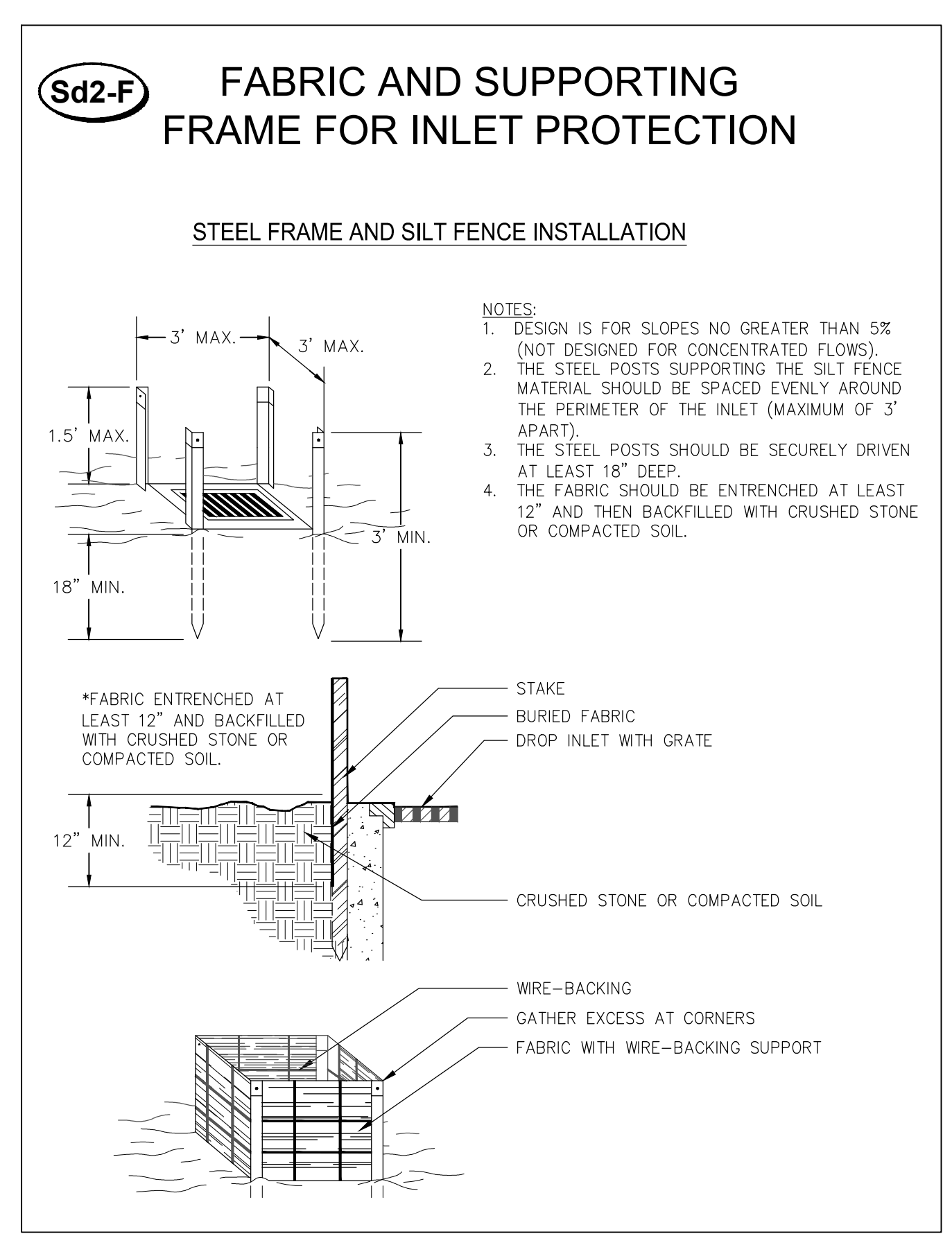
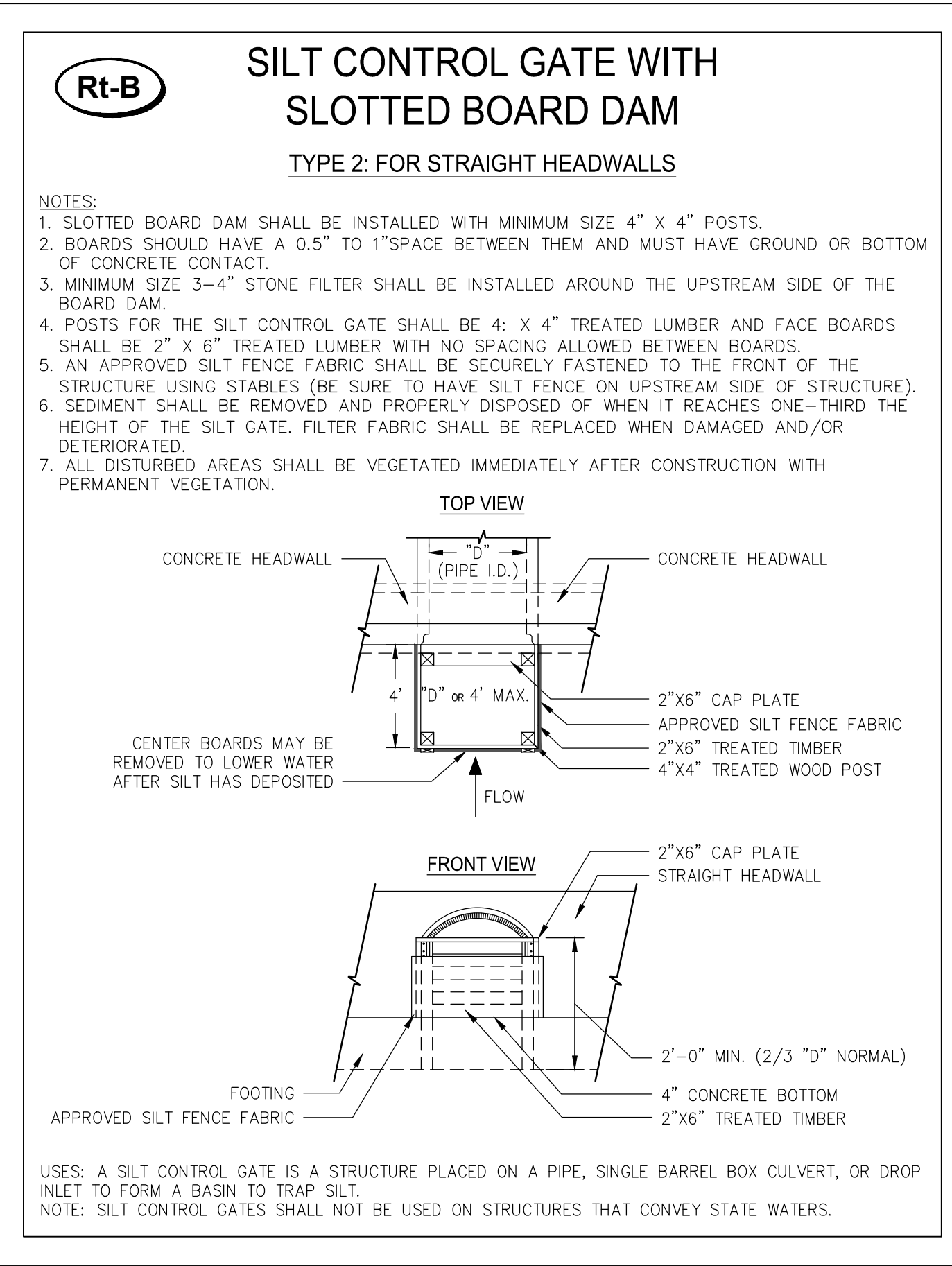
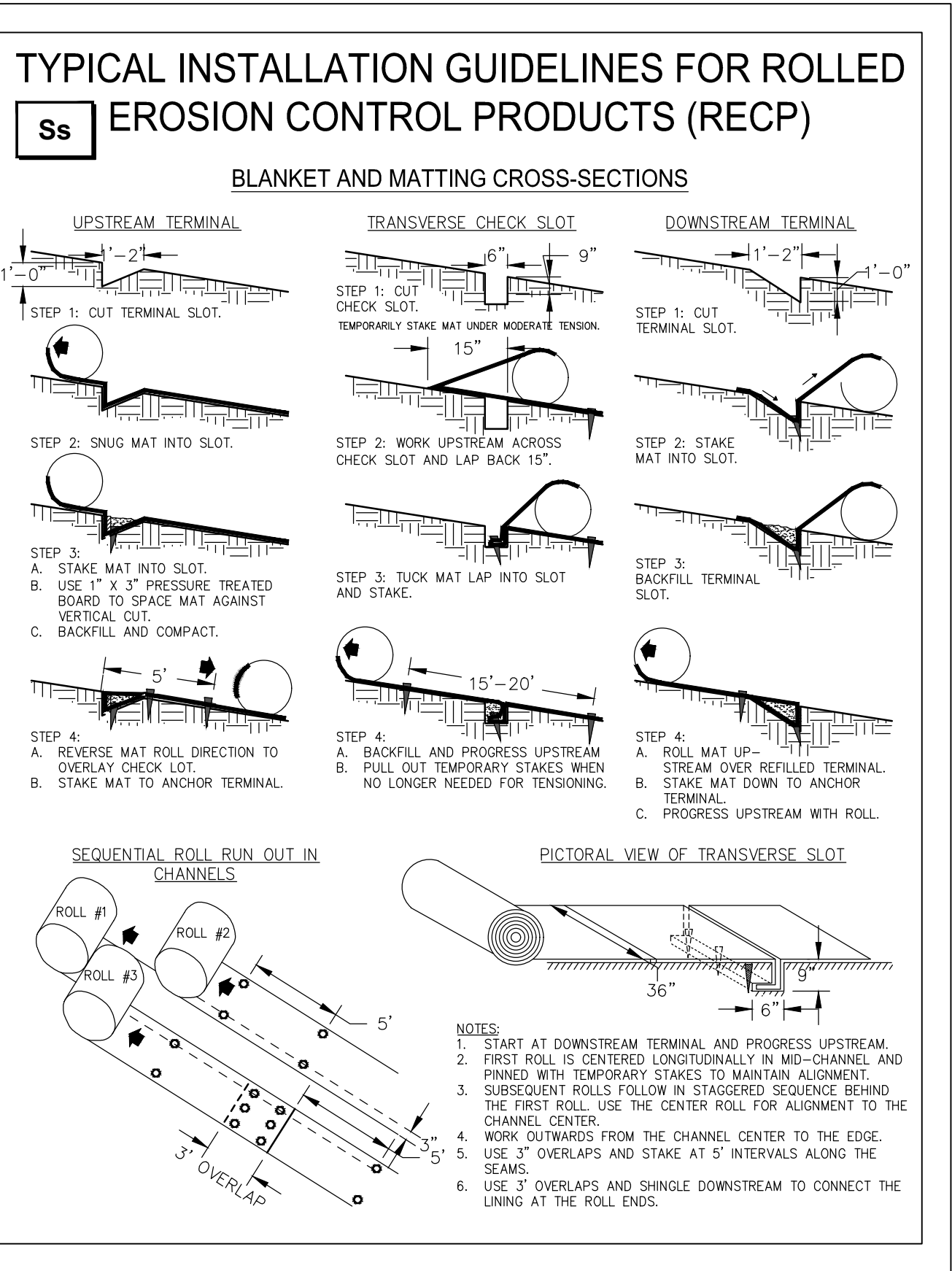
- Required stormwater storage = 0 cy (as determined by local ordinance)
- Required sediment storage = 52 cy (67 cy/ac \* 0.8 ac disturbed area)
- Total required storage = 0 cy + 52 cy = 52 cy
- Available storage = 14 cy
- Is the available storage (4) greater than the total required storage (3)? X yes no
- If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:  
N/A Raise the invert of the outlet structure N/A inches  
N/A Undercut the pond N/A feet  
Rt-B #2 is in the same drainage basin as Rt-B #1, Y Other #3, and #4. All retrofits work together to achieve the required sediment storage in the basin.
- Clean-out elevation = 945.4 ft (Elevation corresponding to 22 cy/ac \* 0.8 ac disturbed area)
- Is the length-width ratio 2:1 or greater? X yes no
- If "no", the length of flow must be increased. Choose the method to be used:  
N/A Baffles (Type of baffle: N/A)  
N/A Other N/A

Note the height and width if a slotted board dam retrofit is to be used.  
Width 3 feet Height = 2 feet

**SEDIMENT STORAGE TABLE**

DRAINAGE AREA ID	TOTAL DRAINAGE AREA (AC)	DISTURBED AREA (AC)	REQUIRED SEDIMENT STORAGE VOL / AC	REQUIRED SEDIMENT STORAGE VOLUME (CY)	TOTAL PROVIDED SEDIMENT STORAGE VOLUME (CY)	COMPOST FILTER SOCK Sd1		COMPOST FILTER SOCK DITCH CHECK Sd1		STONE CHECK DAM Cd-S		RETROFIT Rt		EXCAVATED INLET SEDIMENT TRAP Sd2	
						(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)	(SEE CALCULATIONS ON THIS SHEET)		
						LENGTH OF Sd1	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)
2	12.04	2.97	67	199	567	610	282	1	3			2	243	1	39

SEE SHEETS 11 THROUGH 13 FOR LOCATIONS OF SEDIMENT STORAGE BMPs.



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GSWCC NO. 5746  
EXPIRATION DATE 04/14/2021

PROFESSIONAL SEAL

REVISION RECORD

NO.	DATE	DESCRIPTION

PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA

DRAWING TITLE: EROSION CONTROL DETAILS - SHEET 3

PROJ. MGR.: JPK  
DESIGN BY: BCF  
DRAWN BY: BCF  
PROJ. DATE: FEB 2021  
DRAWING NUMBER:

16 OF 25  
WKD PROJ. NO.: 20190358.00.AT

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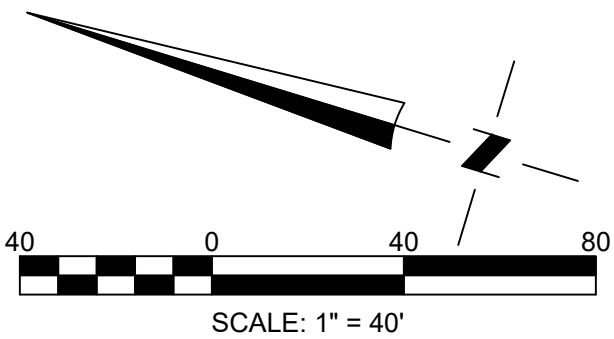
REVISION RECORD	DESCRIPTION	DATE	BY

PROJECT NAME: **APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA**

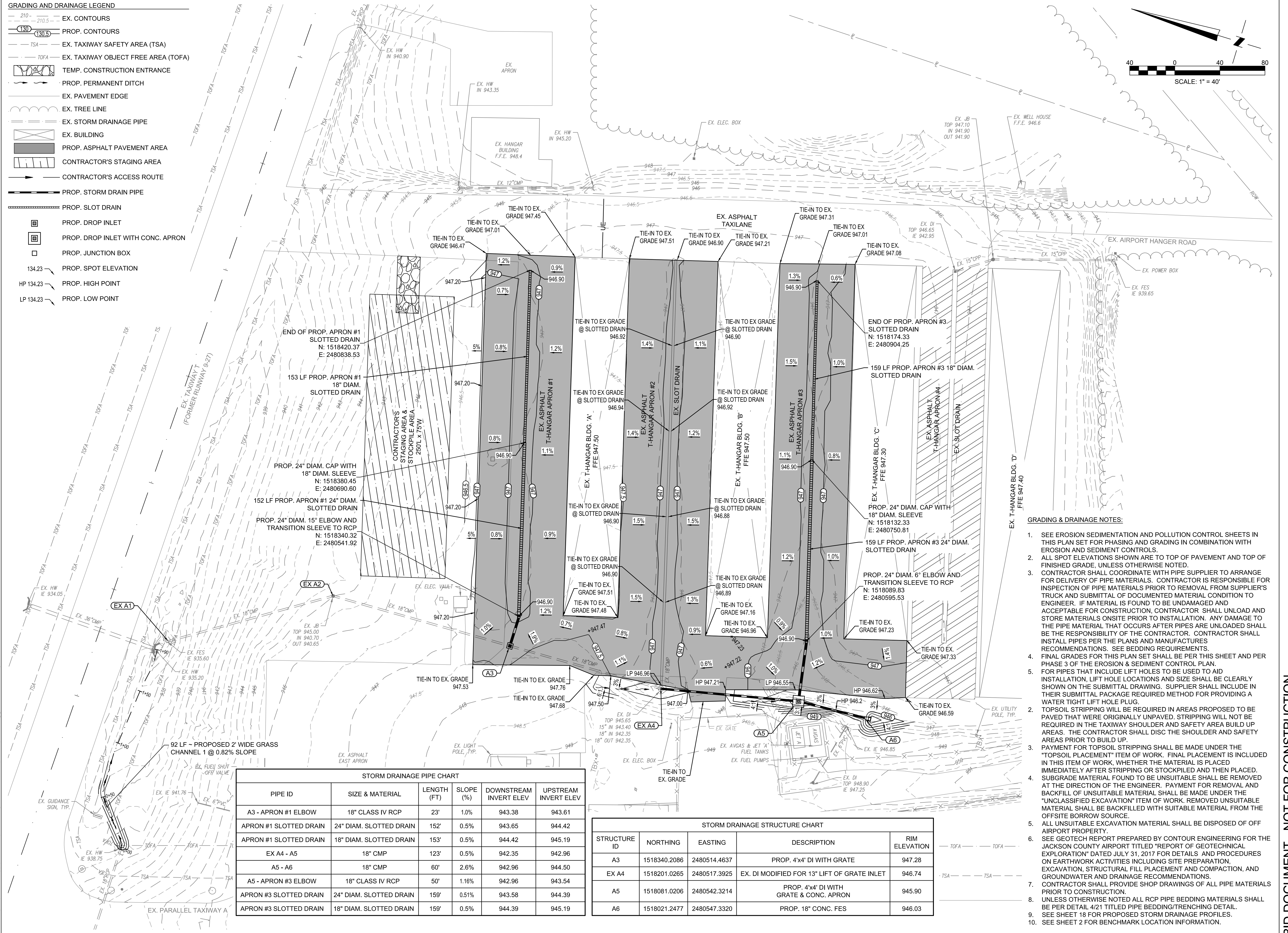
DRAWING TITLE: **GRADING & DRAINAGE PLAN**

PROJ. MGR.: JPK  
DESIGN BY: BCF  
DRAWN BY: BCF  
PROJ. DATE: FEB 2021  
DRAWING NUMBER:

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- GRADING AND DRAINAGE LEGEND**
- 210 - 210.5 EX. CONTOURS
  - 130.5 PROP. CONTOURS
  - TSA EX. TAXIWAY SAFETY AREA (TSA)
  - TOFA EX. TAXIWAY OBJECT FREE AREA (TOFA)
  - TEMP. CONSTRUCTION ENTRANCE
  - PROP. PERMANENT DITCH
  - EX. PAVEMENT EDGE
  - EX. TREE LINE
  - EX. STORM DRAINAGE PIPE
  - EX. BUILDING
  - PROP. ASPHALT PAVEMENT AREA
  - CONTRACTOR'S STAGING AREA
  - CONTRACTOR'S ACCESS ROUTE
  - PROP. STORM DRAIN PIPE
  - PROP. SLOT DRAIN
  - PROP. DROP INLET
  - PROP. DROP INLET WITH CONC. APRON
  - PROP. JUNCTION BOX
  - 134.23 PROP. SPOT ELEVATION
  - HP 134.23 PROP. HIGH POINT
  - LP 134.23 PROP. LOW POINT



**STORM DRAINAGE PIPE CHART**

PIPE ID	SIZE & MATERIAL	LENGTH (FT)	SLOPE (%)	DOWNSTREAM INVERT ELEV	UPSTREAM INVERT ELEV
A3 - APRON #1 ELBOW	18" CLASS IV RCP	23'	1.0%	943.38	943.61
APRON #1 SLOTTED DRAIN	24" DIAM. SLOTTED DRAIN	152'	0.5%	943.65	944.42
APRON #1 SLOTTED DRAIN	18" DIAM. SLOTTED DRAIN	153'	0.5%	944.42	945.19
EX A4 - A5	18" CMP	123'	0.5%	942.35	942.96
A5 - A6	18" CMP	60'	2.6%	942.96	944.50
A5 - APRON #3 ELBOW	18" CLASS IV RCP	50'	1.16%	942.96	943.54
APRON #3 SLOTTED DRAIN	24" DIAM. SLOTTED DRAIN	159'	0.51%	943.58	944.39
APRON #3 SLOTTED DRAIN	18" DIAM. SLOTTED DRAIN	159'	0.5%	944.39	945.19

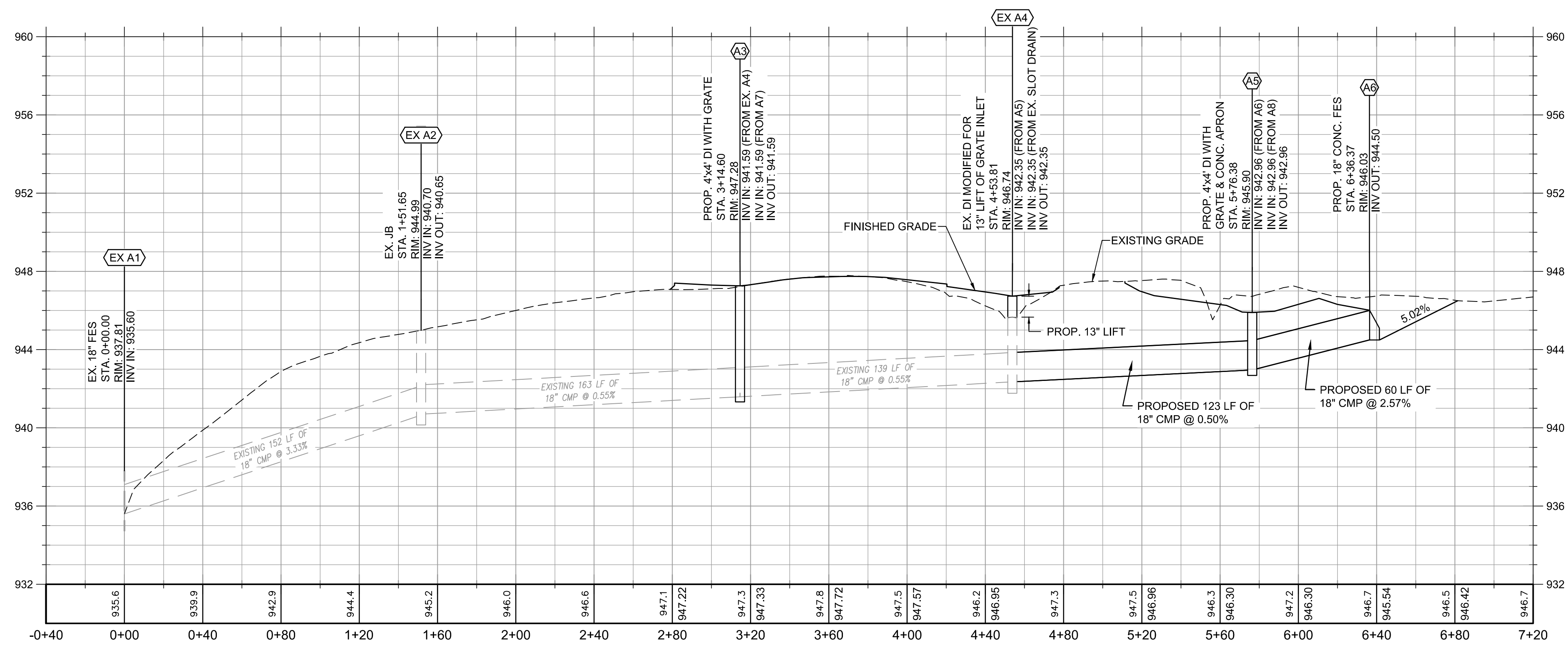
**STORM DRAINAGE STRUCTURE CHART**

STRUCTURE ID	NORTHING	EASTING	DESCRIPTION	RIM ELEVATION
A3	1518340.2086	2480514.4637	PROP. 4'x4' DI WITH GRATE	947.28
EX A4	1518201.0265	2480517.3925	EX. DI MODIFIED FOR 13" LIFT OF GRATE INLET	946.74
A5	1518081.0206	2480542.3214	PROP. 4'x4' DI WITH GRATE & CONC. APRON	945.90
A6	1518021.2477	2480547.3320	PROP. 18" CONC. FES	946.03

- GRADING & DRAINAGE NOTES:**
- SEE EROSION SEDIMENTATION AND POLLUTION CONTROL SHEETS IN THIS PLAN SET FOR PHASING AND GRADING IN COMBINATION WITH EROSION AND SEDIMENT CONTROLS.
  - ALL SPOT ELEVATIONS SHOWN ARE TO TOP OF PAVEMENT AND TOP OF FINISHED GRADE, UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL COORDINATE WITH PIPE SUPPLIER TO ARRANGE FOR DELIVERY OF PIPE MATERIALS. CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF PIPE MATERIALS PRIOR TO REMOVAL FROM SUPPLIER'S TRUCK AND SUBMITTAL OF DOCUMENTED MATERIAL CONDITION TO ENGINEER. IF MATERIAL IS FOUND TO BE UNDAMAGED AND ACCEPTABLE FOR CONSTRUCTION, CONTRACTOR SHALL UNLOAD AND STORE MATERIALS ONSITE PRIOR TO INSTALLATION. ANY DAMAGE TO THE PIPE MATERIAL THAT OCCURS AFTER PIPES ARE UNLOADED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL INSTALL PIPES PER THE PLANS AND MANUFACTURERS RECOMMENDATIONS. SEE BEDDING REQUIREMENTS.
  - FINAL GRADES FOR THIS PLAN SET SHALL BE PER THIS SHEET AND PER PHASE 3 OF THE EROSION & SEDIMENT CONTROL PLAN.
  - FOR PIPES THAT INCLUDE LIFT HOLES TO BE USED TO AID INSTALLATION, LIFT HOLE LOCATIONS AND SIZE SHALL BE CLEARLY SHOWN ON THE SUBMITTAL DRAWING. SUPPLIER SHALL INCLUDE IN THEIR SUBMITTAL PACKAGE REQUIRED METHOD FOR PROVIDING A WATER TIGHT LIFT HOLE PLUG.
  - TOPSOIL STRIPPING WILL BE REQUIRED IN AREAS PROPOSED TO BE PAVED THAT WERE ORIGINALLY UNPAVED. STRIPPING WILL NOT BE REQUIRED IN THE TAXIWAY SHOULDER AND SAFETY AREA BUILD UP AREAS. THE CONTRACTOR SHALL DISC THE SHOULDER AND SAFETY AREAS PRIOR TO BUILD UP.
  - PAYMENT FOR TOPSOIL STRIPPING SHALL BE MADE UNDER THE "TOPSOIL PLACEMENT" ITEM OF WORK. FINAL PLACEMENT IS INCLUDED IN THIS ITEM OF WORK, WHETHER THE MATERIAL IS PLACED IMMEDIATELY AFTER STRIPPING OR STOCKPILED AND THEN PLACED. SUBGRADE MATERIAL FOUND TO BE UNSUITABLE SHALL BE REMOVED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE MADE UNDER THE "UNCLASSIFIED EXCAVATION" ITEM OF WORK. REMOVED UNSUITABLE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL FROM THE OFFSITE BORROW SOURCE.
  - ALL UNSUITABLE EXCAVATION MATERIAL SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
  - SEE GEOTECH REPORT PREPARED BY CONTOUR ENGINEERING FOR THE JACKSON COUNTY AIRPORT TITLED "REPORT OF GEOTECHNICAL EXPLORATION" DATED JULY 31, 2017 FOR DETAILS AND PROCEDURES ON EARTHWORK ACTIVITIES INCLUDING SITE PREPARATION, EXCAVATION, STRUCTURAL FILL PLACEMENT AND COMPACTION, AND GROUNDWATER AND DRAINAGE RECOMMENDATIONS.
  - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PIPE MATERIALS PRIOR TO CONSTRUCTION.
  - UNLESS OTHERWISE NOTED ALL RCP PIPE BEDDING MATERIALS SHALL BE PER DETAIL 4/21 TITLED PIPE BEDDING/TRENCHING DETAIL.
  - SEE SHEET 18 FOR PROPOSED STORM DRAINAGE PROFILES.
  - SEE SHEET 2 FOR BENCHMARK LOCATION INFORMATION.

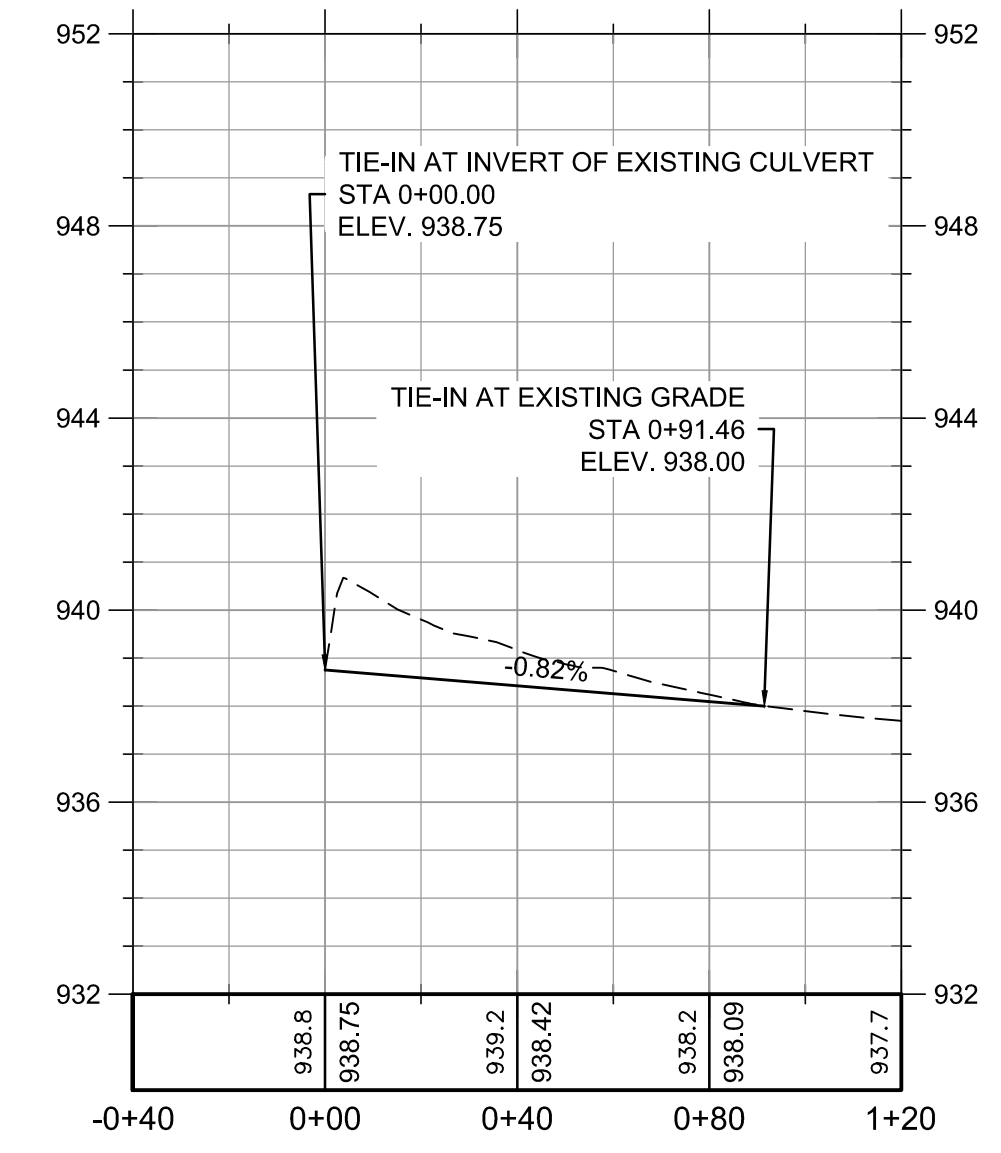
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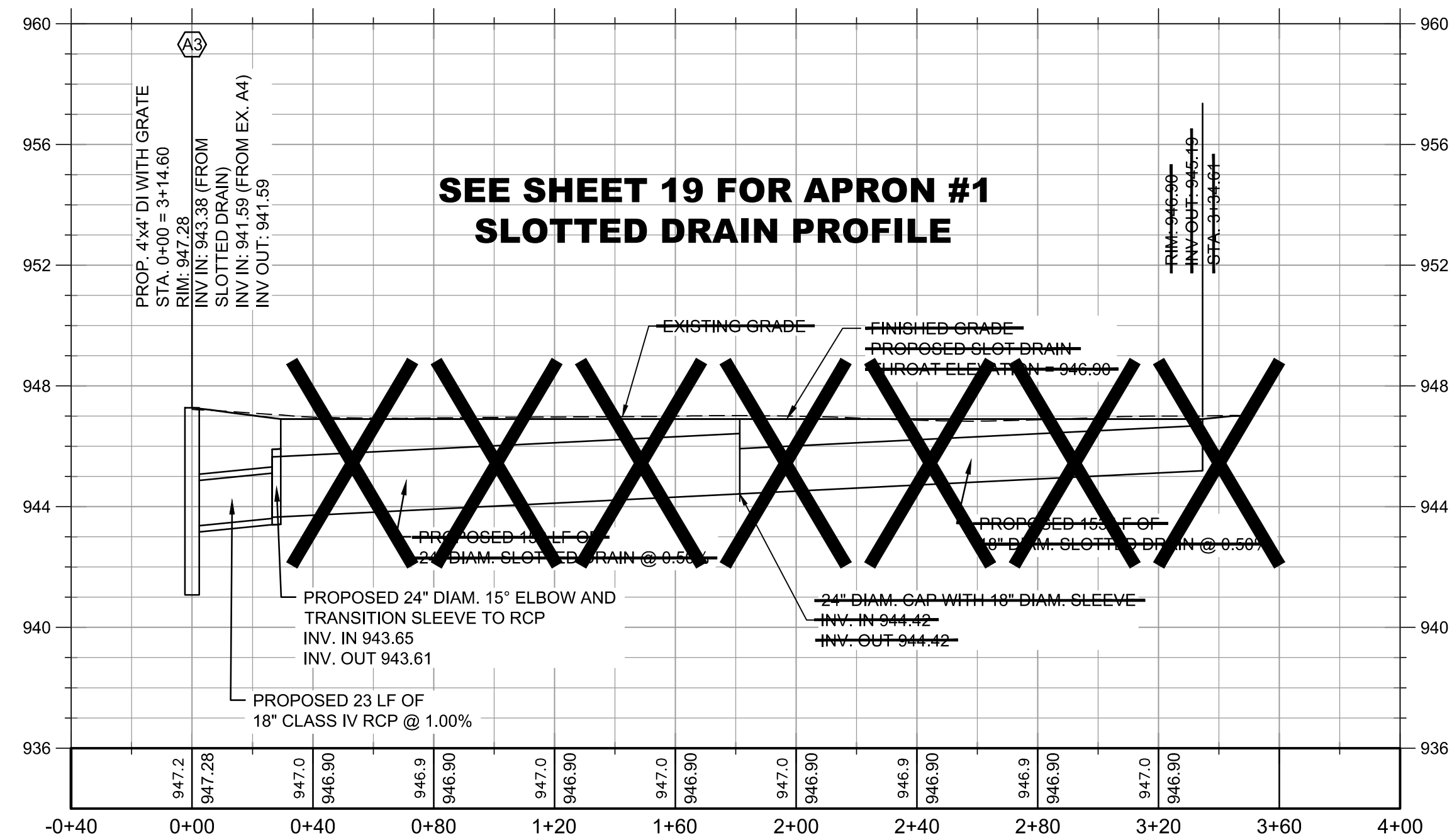
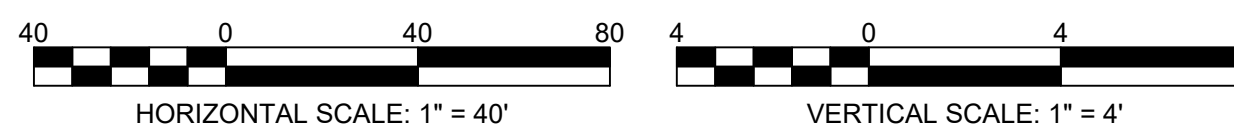
STORM DRAINAGE PROFILE  
EXISTING A1 TO PROPOSED A6

SCALE: HOR 1"=40'; VERT 1"=4'



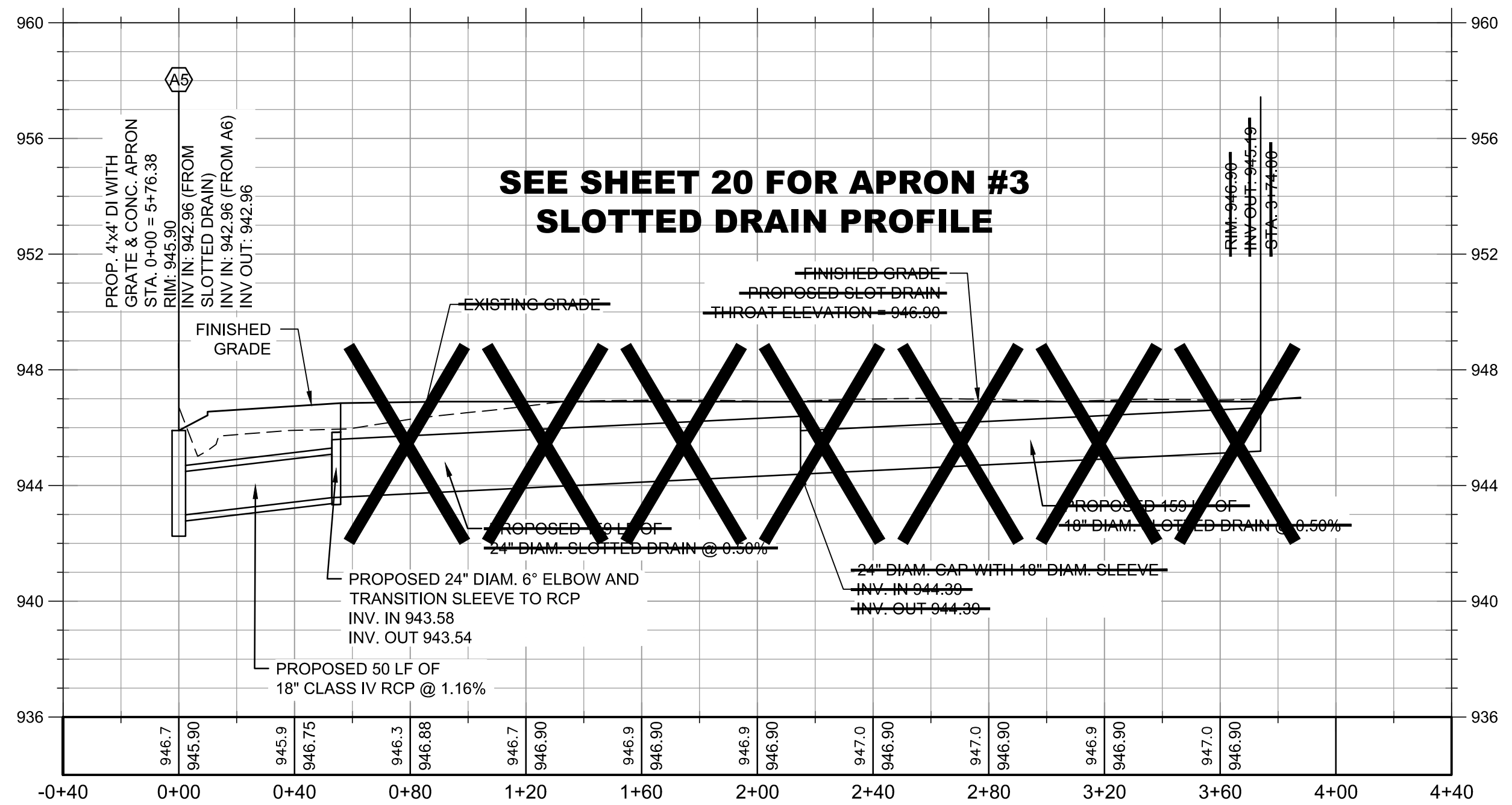
STORM DRAINAGE PROFILE  
PROPOSED GRASS CHANNEL 1

SCALE: HOR 1"=40'; VERT 1"=4'



STORM DRAINAGE PROFILE  
PROPOSED A3 TO APRON #1 PROPOSED SLOT DRAIN THROAT

SCALE: HOR 1"=40'; VERT 1"=4'



STORM DRAINAGE PROFILE  
PROPOSED A5 TO APRON #3 PROPOSED SLOT DRAIN THROAT

SCALE: HOR 1"=40'; VERT 1"=4'


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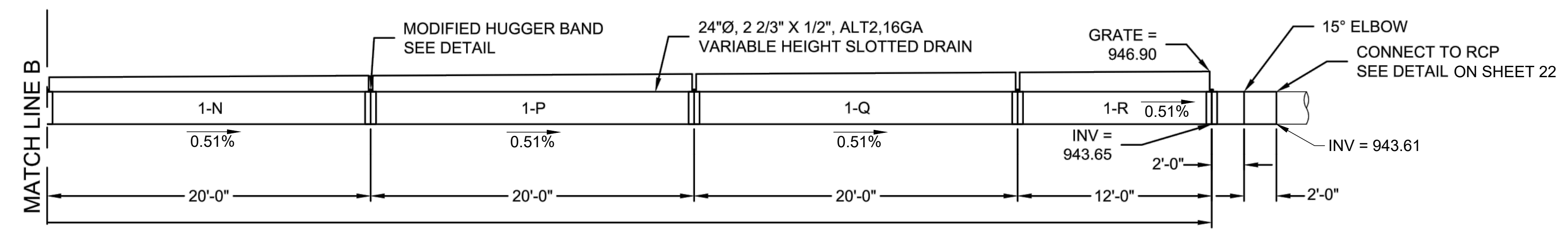
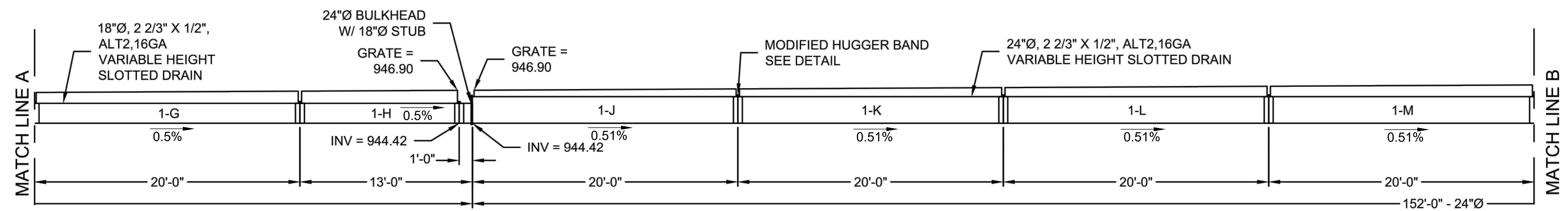
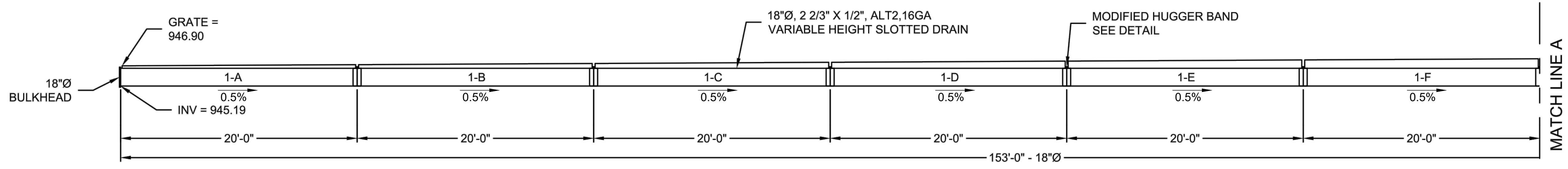
PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA  
 DRAWING TITLE: STORM DRAINAGE PROFILES

PROJ. MGR.: JPK  
 DESIGN BY: BCF  
 DRAWN BY: BCF  
 PROJ. DATE: FEB 2021  
 DRAWING NUMBER:

**18 OF 25**  
 WKD PROJ. NO.: 20190358.00.AT

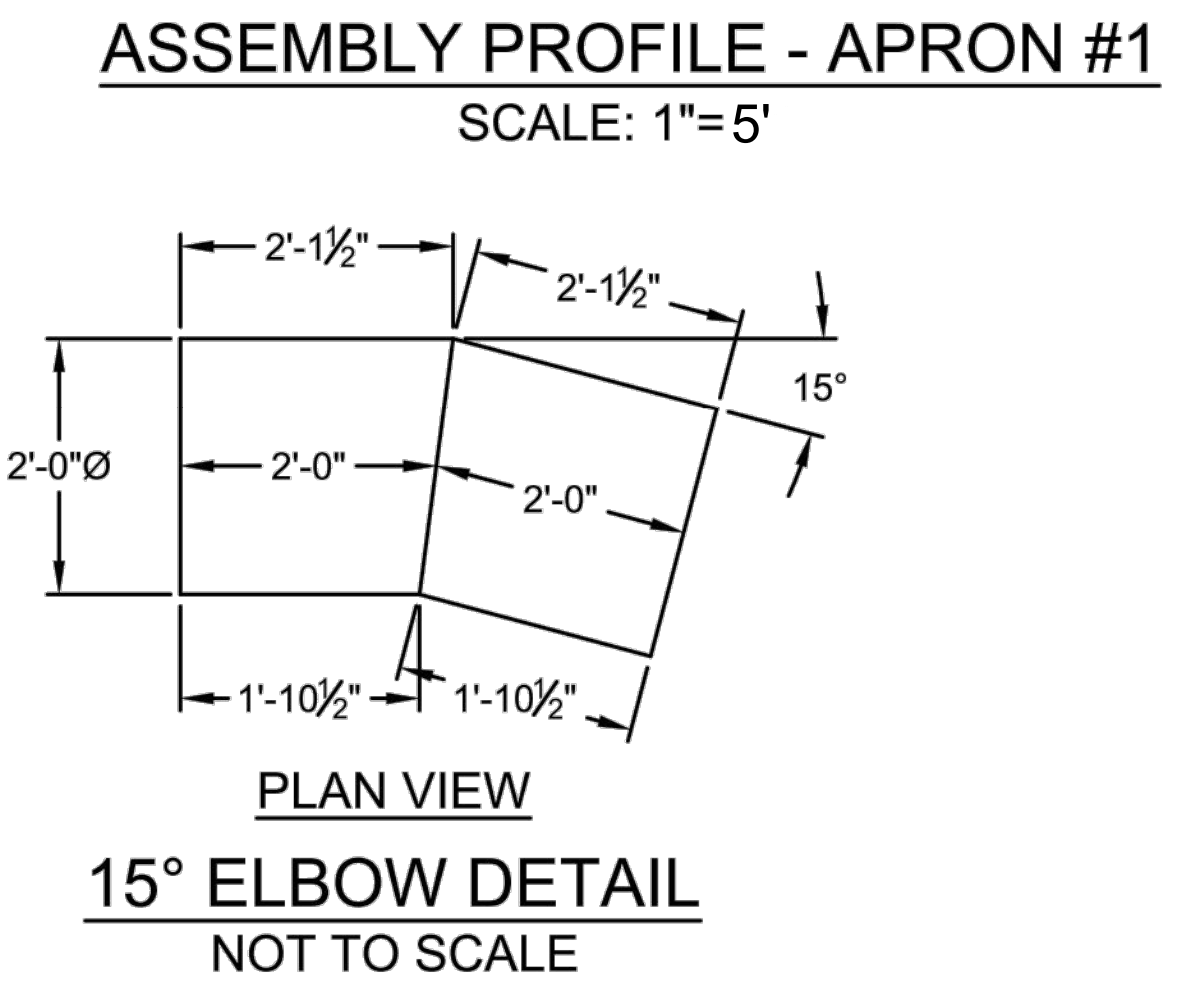


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PIPE SCHEDULE							
18"Ø 16GA ALT2 2 2/3"X1/2" SLOTTED DRAIN							
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRATE HEIGHT AT OUTLET (H2)	GRATE LENGTH	TOP GRATE	BOTTOM GRATE	MIN. PLATE EXTENDER
* 1-A	20'-0"	2 1/2"	3 3/4"	19'-10"		6"	
1-B	20'-0"	3 3/4"	5"	19'-10"		6"	
1-C	20'-0"	5"	6 1/8"	19'-10"	6"	2 1/2"	
1-D	20'-0"	6 1/8"	7 3/8"	19'-10"	6"	2 1/2"	
1-E	20'-0"	7 3/8"	8 5/8"	19'-10"	6"	6"	
1-F	20'-0"	8 5/8"	9 3/4"	19'-10"	6"	6"	
1-G	20'-0"	9 3/4"	11"	19'-10"	6"	6"	
1-H	13'-0"	11"	11 3/4"	12'-10"	6"	6"	
*	BULKHEAD	18"Ø 12GA BULKHEAD @ INLET					
QTY	8	MODIFIED HUGGER BAND - 18"Ø					

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES



PIPE SCHEDULE							
24"Ø 16GA ALT2 2 2/3"X1/2" SLOTTED DRAIN							
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRATE HEIGHT AT OUTLET (H2)	GRATE LENGTH	TOP GRATE	BOTTOM GRATE	MIN. PLATE EXTENDER
* 1-J	20'-0"	5 3/4"	7"	19'-10"	6"	2 1/2"	
1-K	20'-0"	7"	8 1/4"	19'-10"	6"	2 1/2"	
1-L	20'-0"	8 1/4"	9 1/2"	19'-10"	6"	6"	
1-M	20'-0"	9 1/2"	10 5/8"	19'-10"	6"	6"	
1-N	20'-0"	10 5/8"	11 7/8"	19'-10"	6"	6"	
1-P	20'-0"	11 7/8"	13 1/8"	19'-10"	6"	6"	4"
1-Q	20'-0"	13 1/8"	14 1/4"	19'-10"	6"	6"	5"
1-R	12'-0"	14 1/4"	15"	11'-10"	6"	6"	5"
*	BULKHEAD	24"Ø 12GA BULKHEAD W/ 18"Ø STUB, 1'-0" LONG					
QTY	1	15° ELBOW - 24"Ø, 2'-0" LONG					
QTY	8	MODIFIED HUGGER BAND - 24"Ø					

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES

- NOTES:
- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF GRATES, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION.
  - ALL CUTS, AND WELDS SHALL BE PAINTED WITH A ZINC-BASED PAINT.
  - IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY IN SITUATIONS INVOLVING HIGH GROUNDWATER TABLES, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST, THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FINES INTO THE PIPE SYSTEM.
  - ALL FITTINGS COMPLY WITH ASTM A998.
  - SYSTEM MADE FROM 18" & 24"Ø, 2 2/3"X1/2", ALT2, 16GA, CMP.
  - CMP IS SUBJECT TO MANUFACTURERS TOLERANCES.

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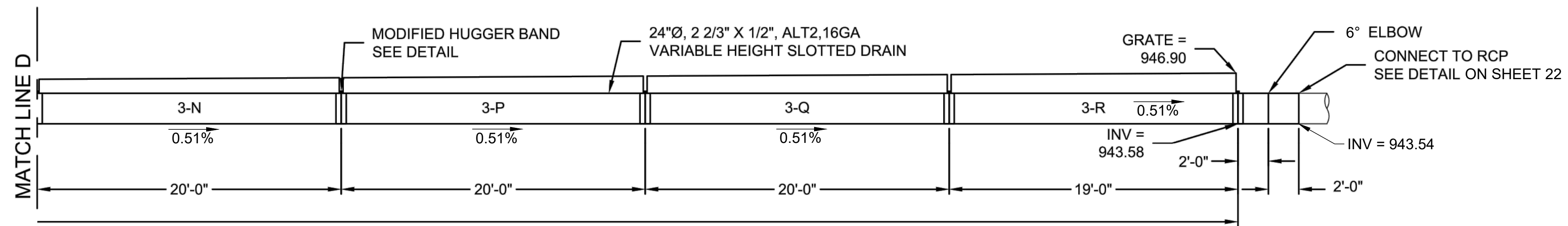
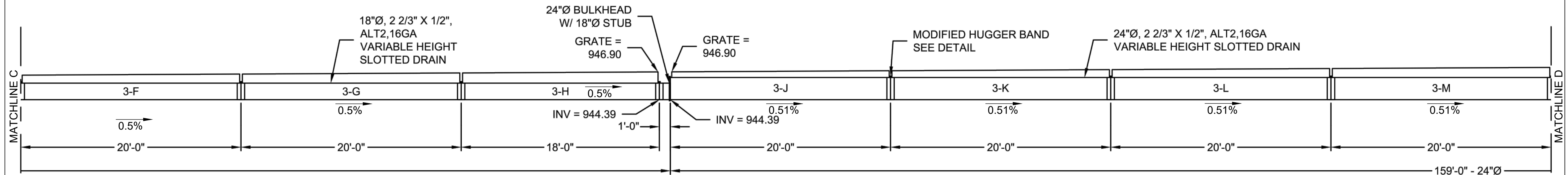
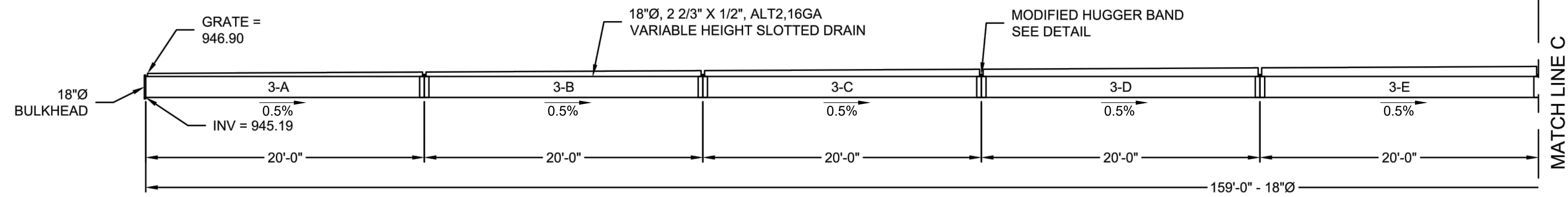
PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA  
 DRAWING TITLE: SLOTTED DRAIN PROFILES - SHEET 1

PROJ. MGR.: JPK  
 DESIGN BY: BCF  
 DRAWN BY: BCF  
 PROJ. DATE: FEB 2021  
 DRAWING NUMBER:  
**19 OF 25**  
 WKD PROJ. NO.: 20190358.00.AT

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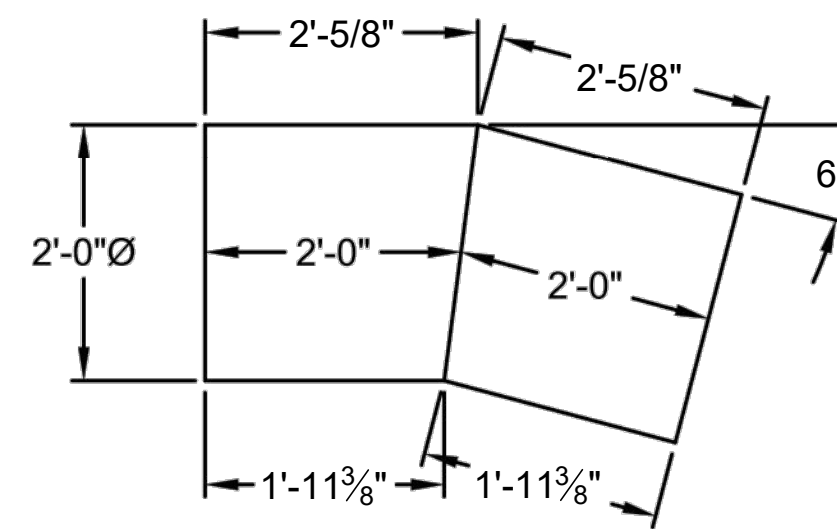
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PIPE SCHEDULE							
18"Ø 16GA ALT2 2 2/3"X1/2" SLOTTED DRAIN							
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRATE HEIGHT AT OUTLET (H2)	GRATE LENGTH	TOP GRATE	BOTTOM GRATE	MIN. PLATE EXTENDER
* 3-A	20'-0"	2 1/2"	3 3/4"	19'-10"		6"	
3-B	20'-0"	3 3/4"	5"	19'-10"		6"	
3-C	20'-0"	5"	6 1/8"	19'-10"	6"	2 1/2"	
3-D	20'-0"	6 1/8"	7 3/8"	19'-10"	6"	2 1/2"	
3-E	20'-0"	7 3/8"	8 5/8"	19'-10"	6"	6"	
3-F	20'-0"	8 5/8"	9 3/4"	19'-10"	6"	6"	
3-G	20'-0"	9 3/4"	11"	19'-10"	6"	6"	
3-H	18'-0"	11"	12 1/8"	17'-10"	6"	6"	
*	BULKHEAD	18"Ø 12GA BULKHEAD @ INLET					
QTY	8	MODIFIED HUGGER BAND - 18"Ø					

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES

**ASSEMBLY PROFILE - APRON #3**  
SCALE: 1"=5'



**6° ELBOW DETAIL**  
NOT TO SCALE

PIPE SCHEDULE							
24"Ø 16GA ALT2 2 2/3"X1/2" SLOTTED DRAIN							
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRATE HEIGHT AT OUTLET (H2)	GRATE LENGTH	TOP GRATE	BOTTOM GRATE	MIN. PLATE EXTENDER
* 3-J	20'-0"	6 1/8"	7 3/8"	19'-10"	6"	2 1/2"	
3-K	20'-0"	7 3/8"	8 5/8"	19'-10"	6"	6"	
3-L	20'-0"	8 5/8"	9 7/8"	19'-10"	6"	6"	
3-M	20'-0"	9 7/8"	11"	19'-10"	6"	6"	
3-N	20'-0"	11"	12 1/4"	19'-10"	6"	6"	3"
3-P	20'-0"	12 1/4"	13 1/2"	19'-10"	6"	6"	4"
3-Q	20'-0"	13 1/2"	14 3/4"	19'-10"	6"	6"	5"
3-R	19'-0"	14 3/4"	15 7/8"	18'-10"	6"	6"	6"
*	BULKHEAD	24"Ø 12GA BULKHEAD W/ 18"Ø STUB, 1'-0" LONG					
QTY	1	15° ELBOW - 24"Ø, 2'-0" LONG					
QTY	8	MODIFIED HUGGER BAND - 24"Ø					

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES

**NOTES:**

- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF GRATES, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION.
- ALL CUTS, AND WELDS SHALL BE PAINTED WITH A ZINC-BASED PAINT.
- IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY IN SITUATIONS INVOLVING HIGH GROUNDWATER TABLES, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST, THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FINES INTO THE PIPE SYSTEM.
- ALL FITTINGS COMPLY WITH ASTM A998.
- SYSTEM MADE FROM 18" & 24"Ø, 2 2/3"X1/2", ALT2, 16GA, CMP.
- CMP IS SUBJECT TO MANUFACTURERS TOLERANCES.

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GSWCC NO. 5746  
EXPIRATION DATE 04/14/2021

PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY

PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA

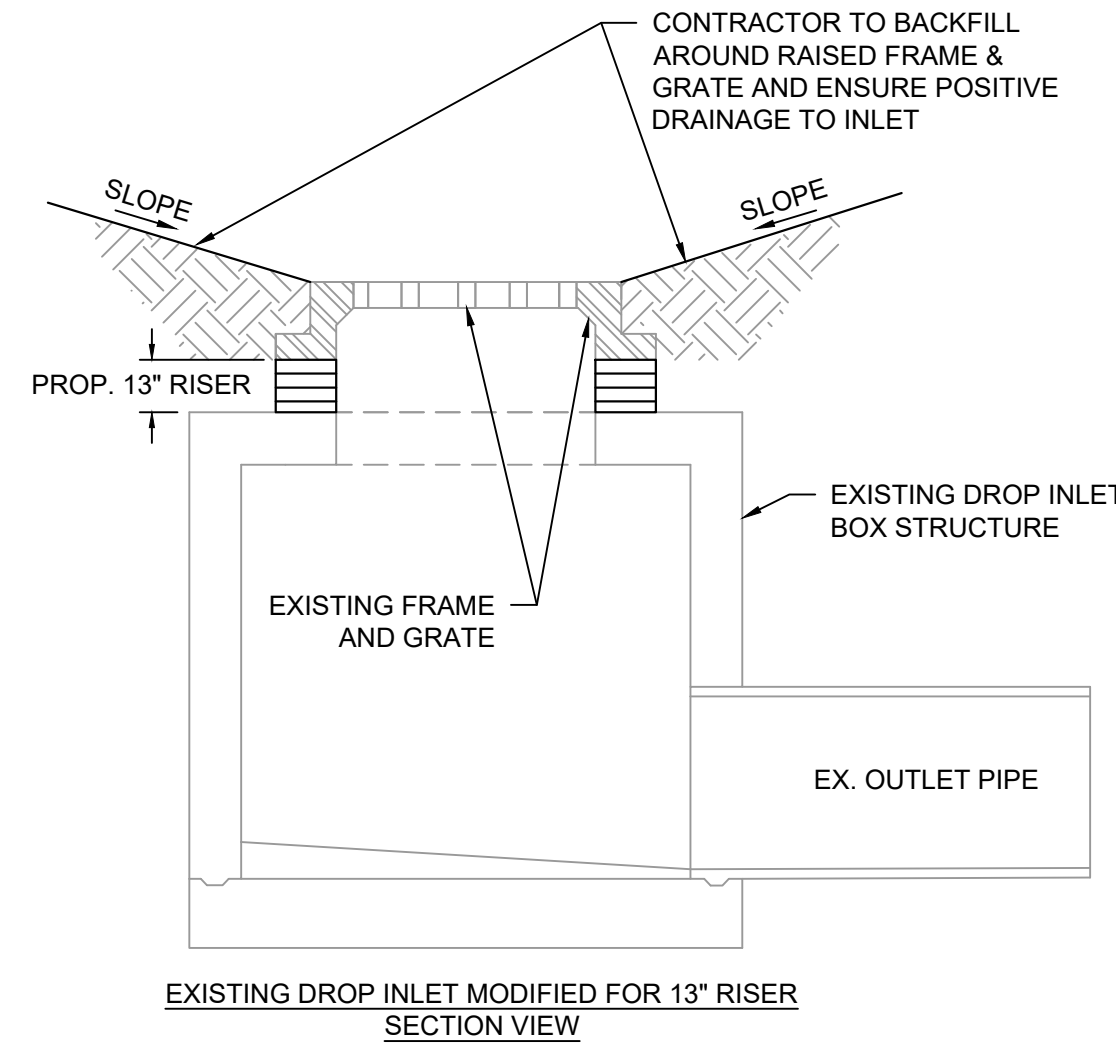
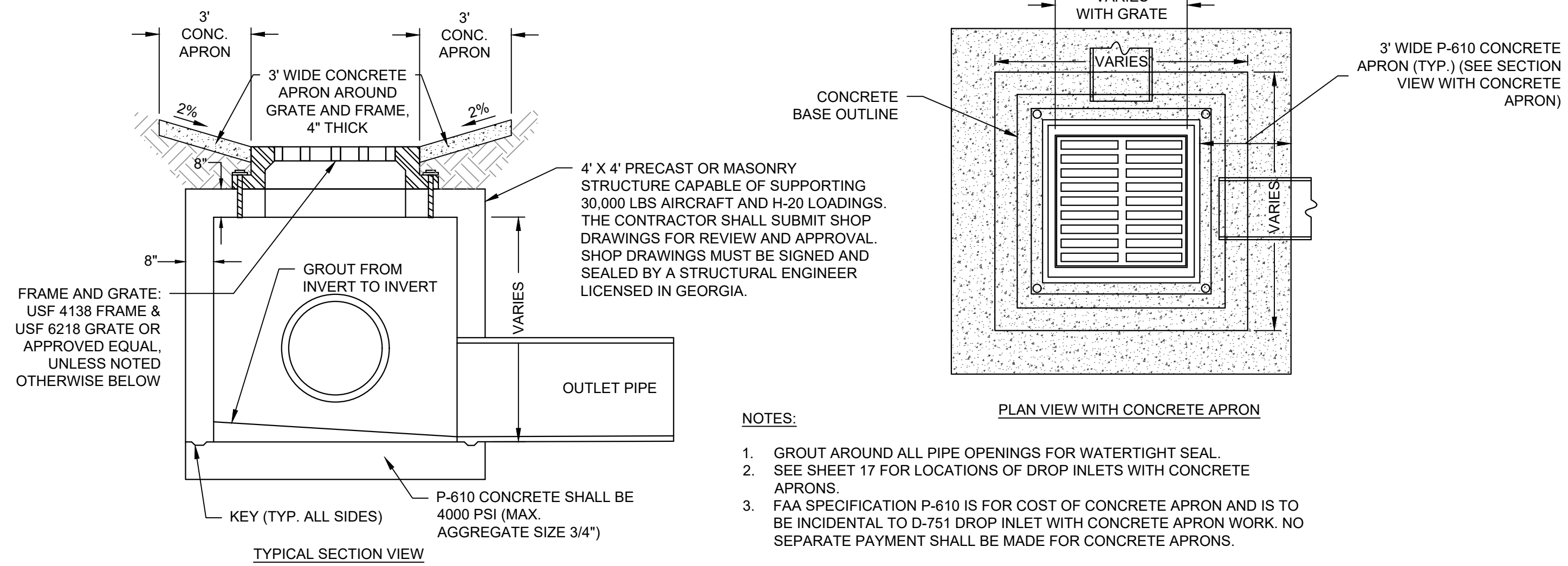
DRAWING TITLE: SLOTTED DRAIN PROFILES - SHEET 2

PROJ. MGR.: JPK  
DESIGN BY: BCF  
DRAWN BY: BCF  
PROJ. DATE: FEB 2021  
DRAWING NUMBER: 20 OF 25  
WKD PROJ. NO.: 20190358.00.AT

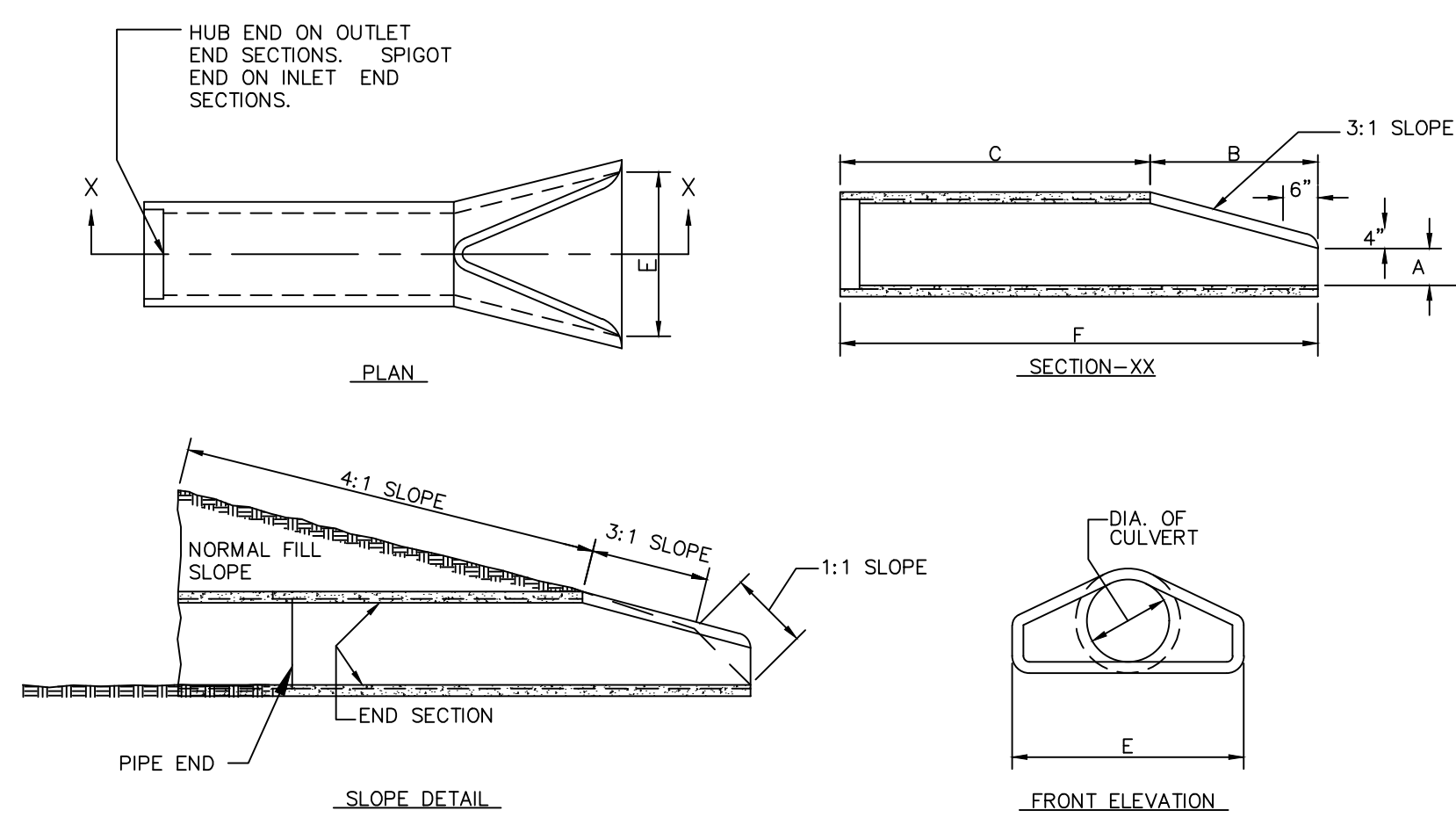
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CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THIS PROJECT.



**1** DROP INLET DETAILS  
NOT TO SCALE

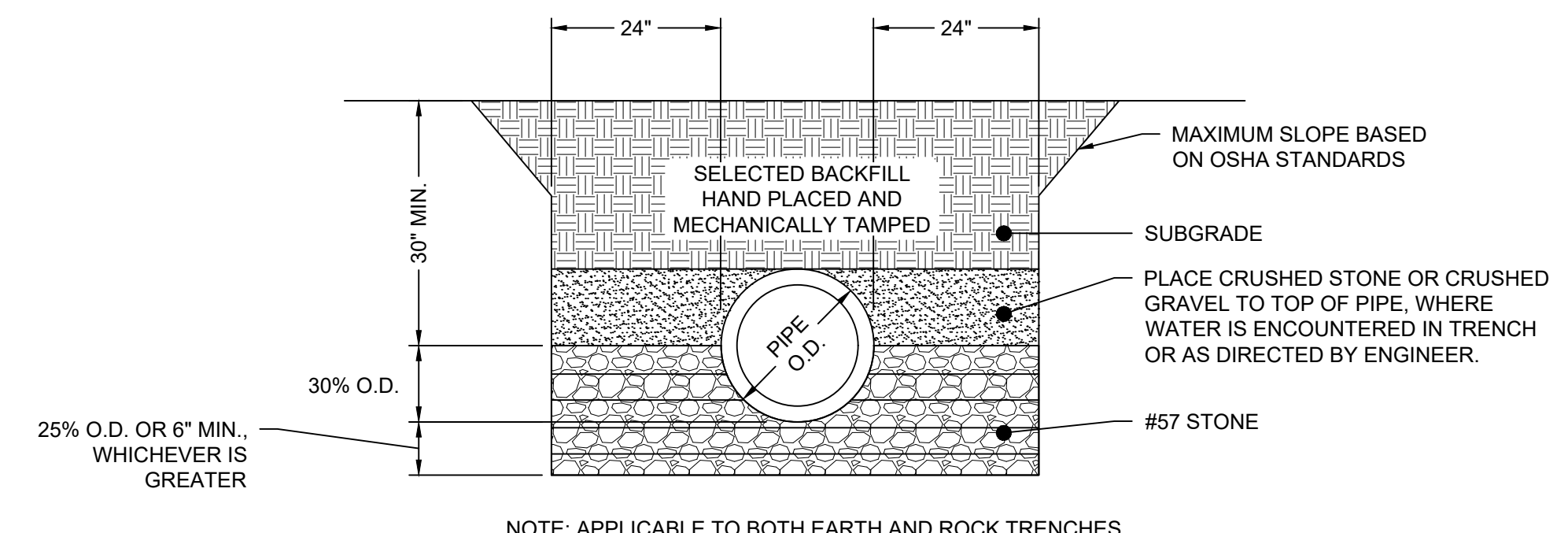


END SECTIONS DIMENSIONS						
DIA.	A	B	C	E	F	
18"	9"	2'-3"	3'-10"	3'-0"	6'-1"	

**GENERAL NOTES:**

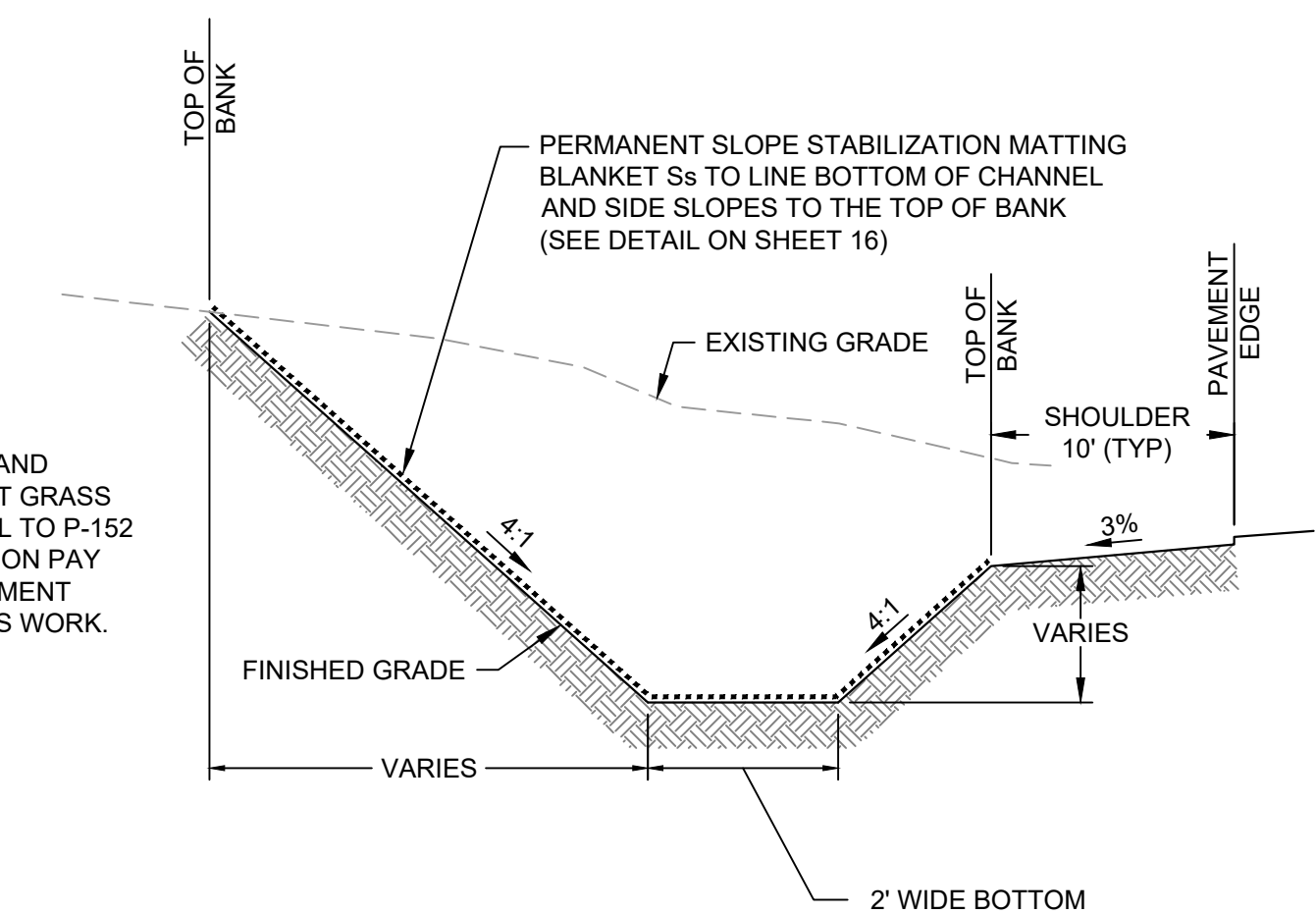
END SECTION TO BE USED ONLY WHERE SHOWN ON PLANS OR AT LOCATIONS AS DIRECTED BY THE ENGINEER. ALL CORNERS TO BE CHAMFERED 1". P-610 CONCRETE SHALL BE USED IN ENDWALLS. FLARED END SECTIONS ARE NORMALLY USED ON PIPE WITH SKEW ANGLES BETWEEN 75° AND 105°.

**2** STANDARD REINFORCED CONCRETE FLARED END SECTION DETAIL  
NOT TO SCALE



- CLASS B**
- NOTES:**
- A MINIMUM OF 24" FROM OUTSIDE DIAMETER OF PIPE TO SIDE OF TRENCH MUST BE ALLOWED FOR COMPACTION OF FILL MATERIAL. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER THE PIPE IS INSTALLED. THE FILL AROUND THE PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED 6". UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UNBACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED. COMPACTION REQUIREMENTS SHALL BE ATTAINED BY THE USE OF MECHANICAL TAMPS ONLY. EACH AND EVERY LAYER OF BACKFILL SHALL BE PLACED LOOSE AND THOROUGHLY COMPACTED INTO PLACE.
  - ALL BACKFILL MATERIAL SHALL HAVE AN IN PLACE COMPACTED DENSITY OF 95% STANDARD PROCTOR. THE FINAL 2' BELOW FINISHED GRADE SHALL BE MINIMUM 98% STANDARD PROCTOR IN ACCORDANCE WITH SPECIFICATION P-152.
  - ALL TRENCHING OPERATIONS SHALL MEET OSHA STANDARDS.
  - COSTS OF EXCAVATION, CRUSHED STONE, #57 STONE, AND BACKFILL ARE INCIDENTAL TO ASSOCIATED PIPE WORK. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ITEMS.
  - THIS DETAIL APPLIES TO ALL STORM SEWER INSTALLATION, UNLESS SPECIFICALLY NOTED OTHERWISE.

**3** PIPE BEDDING/TRENCH DETAIL  
NOT TO SCALE



- NOTES:**
- COST FOR EXCAVATION AND GRADING OF PERMANENT GRASS CHANNELS IS INCIDENTAL TO P-152 UNCLASSIFIED EXCAVATION PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

**4** PERMANENT GRASS CHANNEL  
NOT TO SCALE

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GSWCC NO. 5746  
EXPIRATION DATE 04/14/2021

PROFESSIONAL SEAL

REVISION RECORD	DESCRIPTION	DATE	BY

**PROJECT NAME:** APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA

**DRAWING TITLE:** STORM DRAINAGE DETAILS

PROJ. MGR.: JPK  
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PROJ. DATE: FEB 2021  
DRAWING NUMBER: 21 OF 25  
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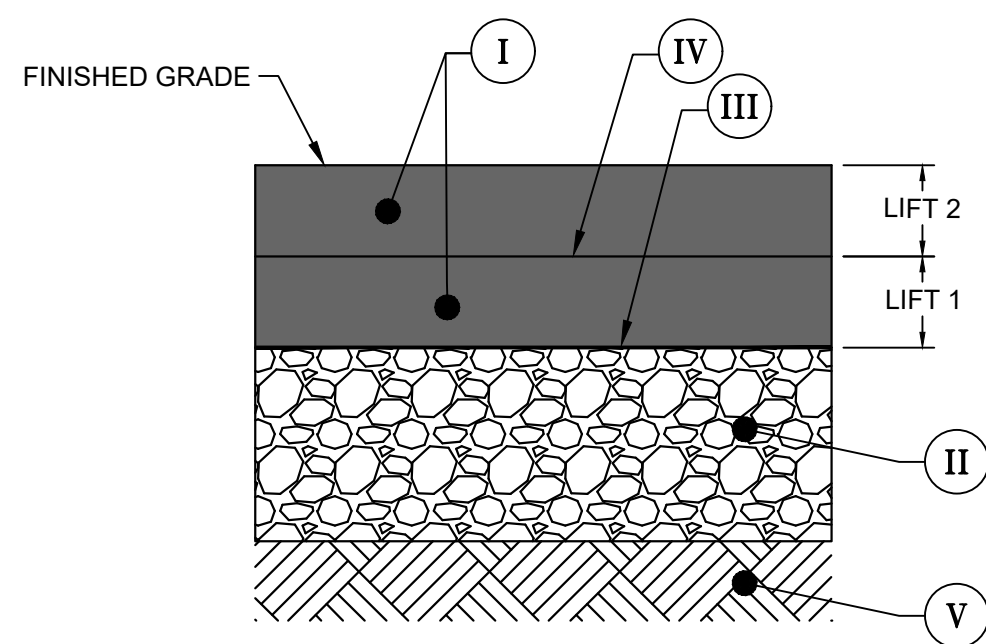




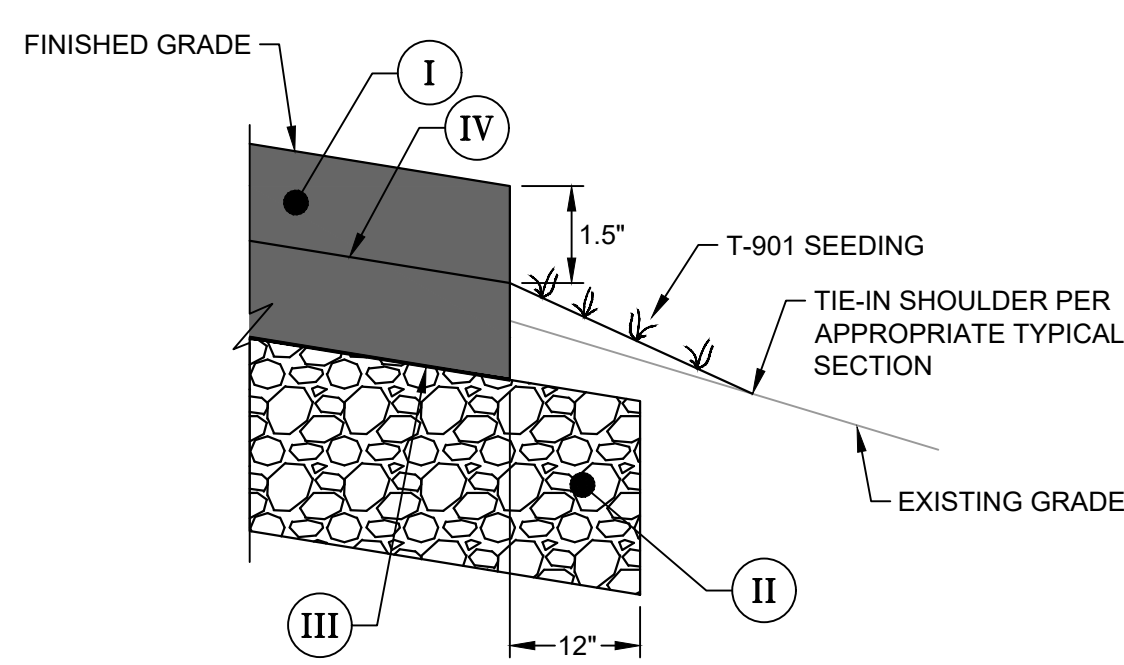




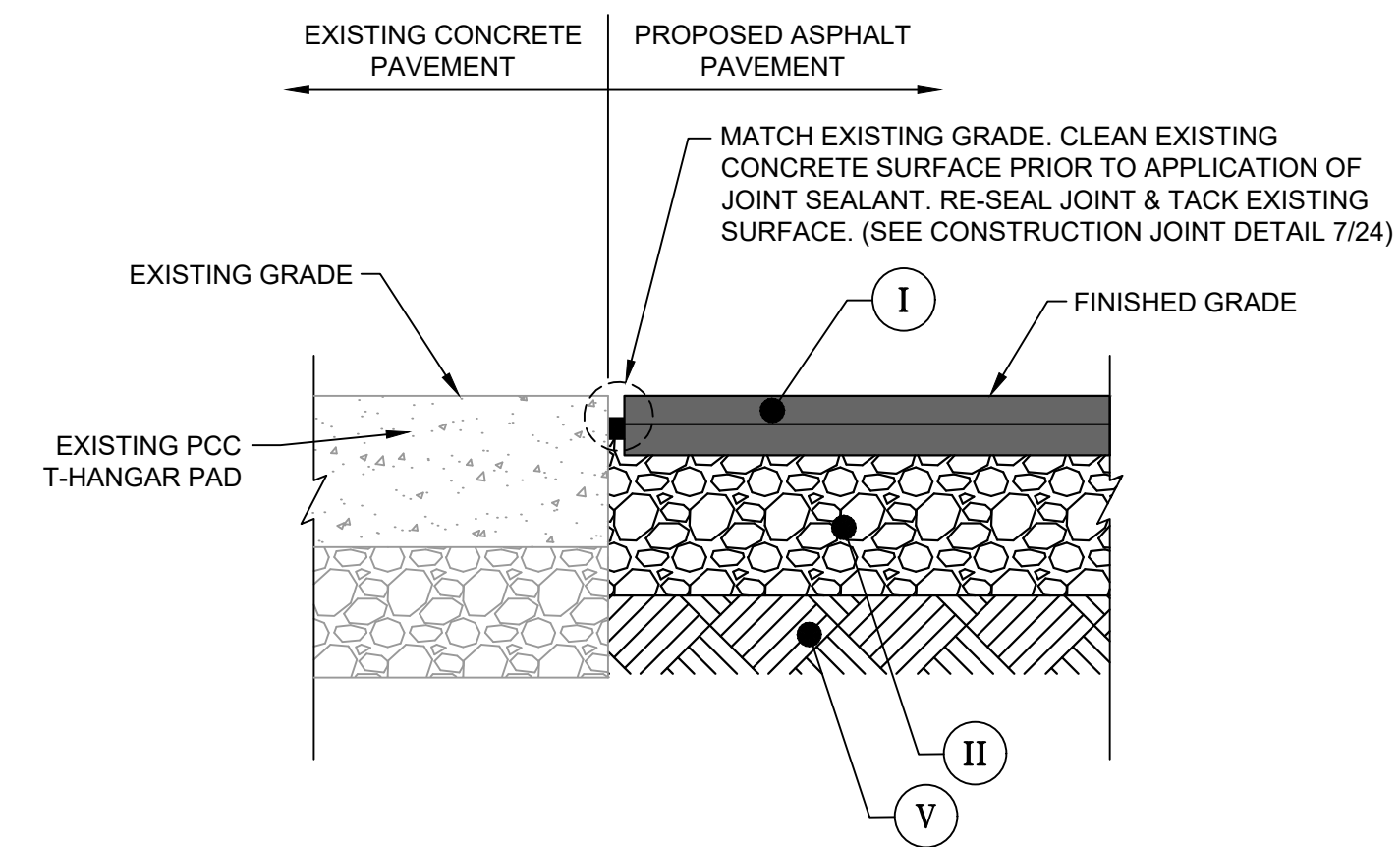
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1  
24  
PROPOSED ASPHALT PAVEMENT TYPICAL SECTION  
NOT TO SCALE

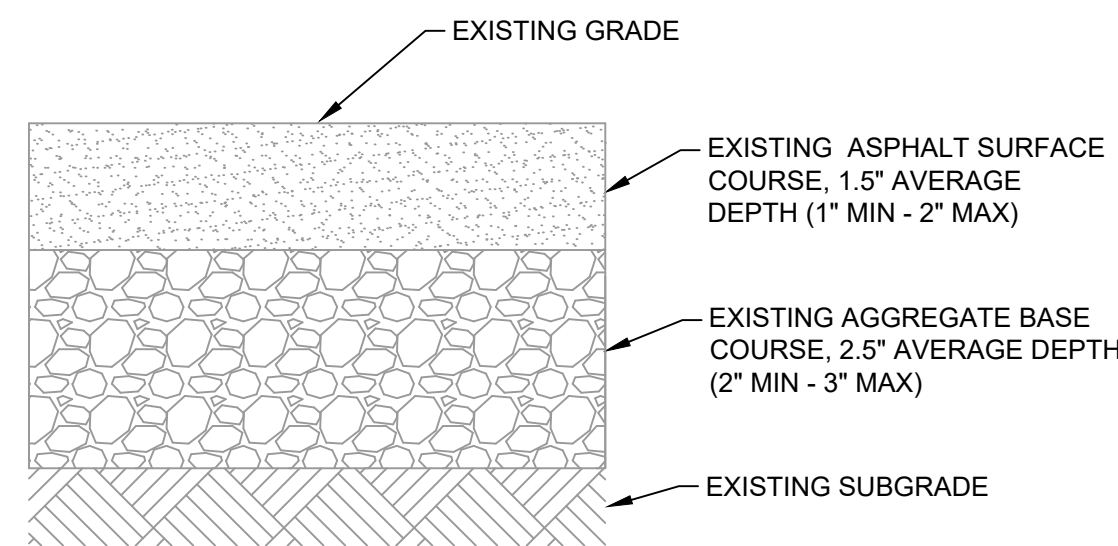


2  
24  
EDGE OF PAVEMENT TYPICAL SECTION  
NOT TO SCALE



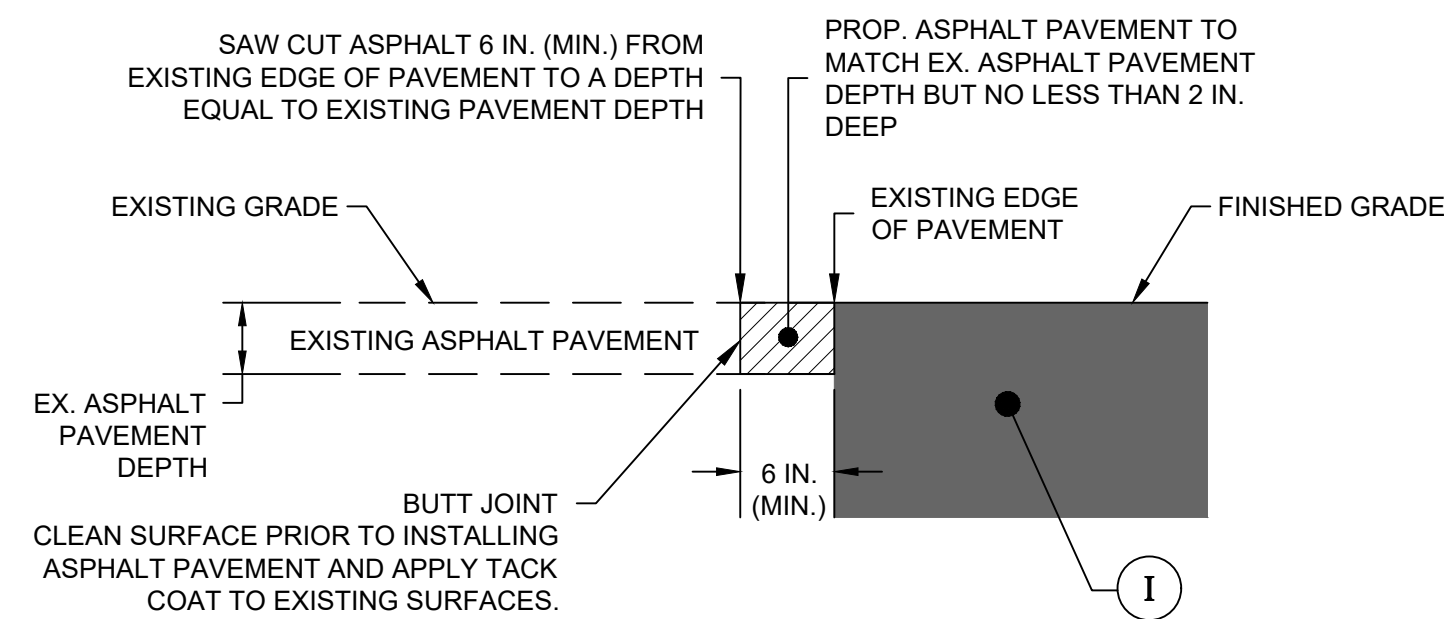
NOTES:  
 1. PROPOSED CONCRETE / ASPHALT CONSTRUCTION JOINT TO BE PLACED EVERYWHERE PROPOSED ASPHALT PAVEMENT ABUTS EXISTING CONCRETE PAVEMENT ALONG THE EXISTING HANGAR BUILDING SLABS AND ALONG THE EXISTING SLOTTED DRAIN CONCRETE PAVEMENT.  
 2. COST OF CONCRETE / ASPHALT CONSTRUCTION JOINT IS INCIDENTAL TO GDOT 402 SPECIFICATION FOR ASPHALT PAVEMENT ITEM OF WORK. NO SEPARATE PAYMENT SHALL BE MADE.

6  
24  
CONCRETE / ASPHALT CONSTRUCTION JOINT  
NOT TO SCALE



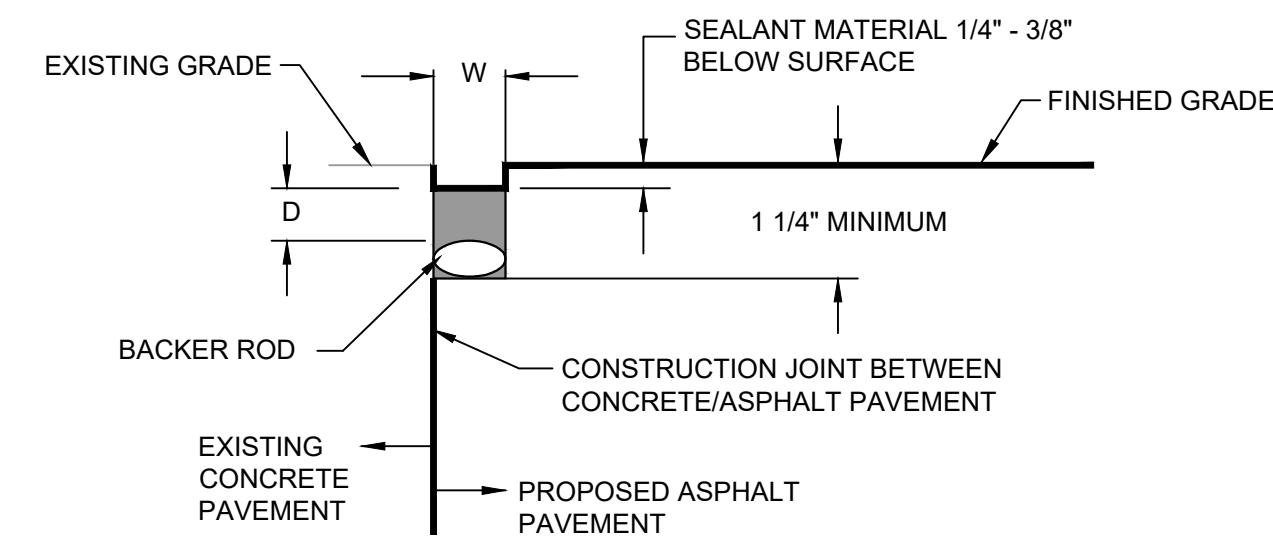
NOTE: SEE GEOTECH REPORT "REPORT OF GEOTECHNICAL EXPLORATION" FOR JACKSON COUNTY AIRPORT (PROJECT NO. G17WKD01) PREPARED BY CONTOUR ENGINEERING DATED JULY 31, 2017 FOR SUBSURFACE CONDITIONS, AIRPORT PAVEMENT BORING LOCATIONS, AND DETAILS.

3  
24  
EXISTING PAVEMENT TYPICAL SECTION  
NOT TO SCALE

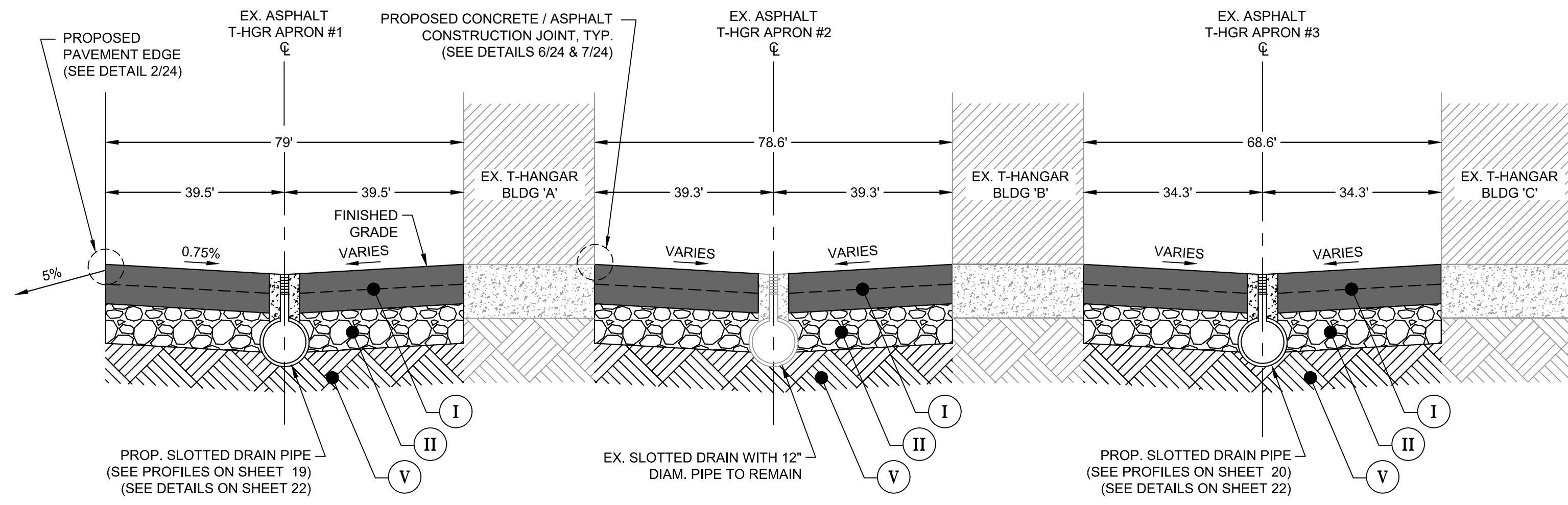


NOTES:  
 1. SAW CUT AND REMOVE EXISTING PAVEMENT AT LOCATIONS SHOWN ON PLANS.  
 2. COST OF SAW CUT IS INCIDENTAL TO P-101 BITUMINOUS PAVEMENT REMOVAL ITEM OF WORK. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR SAW CUT.

4  
24  
PAVEMENT SAWCUT & REMOVAL TYPICAL SECTION  
NOT TO SCALE



7  
24  
CONSTRUCTION JOINT DETAIL  
NOT TO SCALE



5  
24  
T-HANGAR & APRON CROSS SECTIONAL DETAIL  
NOT TO SCALE

NOTES:

- PROOFROLLING SHALL OCCUR IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR HIS/HER REPRESENTATIVE. PROOFROLL THE SUBGRADE WITH A 20 TO 30-TON LOADED TANDEM-AXLE DUMP TRUCK OR OTHER PNEUMATIC-TIRED VEHICLE OF SIMILAR SIZE AND WEIGHT. IF UNSUITABLE SOILS ARE ENCOUNTERED THEN UNDERCUTTING SHALL BE REQUIRED. UNDERCUT SOILS SHALL BE REPLACED WITH STRUCTURAL FILL, CRUSHED STONE, OR STABILIZED IN-PLACE. TYPICAL STABILIZATION SHOULD INCLUDE PARTIAL UNDERCUTTING OF UNSUITABLE SOILS AND REPLACING WITH STRUCTURAL FILL OR CRUSHED STONE UNDERLAIN WITH A GEOGRID, SUCH AS TENSAR TX 140 OR APPROVED EQUAL.
- ANY STRUCTURAL FILL TO BE USED ON SITE SHALL BE EVALUATED AND APPROVED BY THE GEOTECHNICAL ENGINEER. OFF-SITE BORROW MATERIALS MAY BE USED AS STRUCTURAL FILL PROVIDED THAT THEY HAVE A LIQUID LIMIT (LL) NOT EXCEEDING 40 PERCENT AND A PLASTIC INDEX (PI) NOT EXCEEDING 20 PERCENT, AND MOISTURE CONDITIONED TO MAINTAIN A MOISTURE CONTENT WITHIN TWO (2) PERCENTAGE POINTS ABOVE AND BELOW THE OPTIMUM MOISTURE CONTENTS.
- STRUCTURAL FILL SHOULD BE PLACED IN THIN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND TESTED BY A SOILS TECHNICIAN TO DETERMINE THE COMPACTION PERCENTAGE. AT A MINIMUM, IN AREAS TO BE PAVED, COMPACT THE UPPER 18 INCHES OF SUBGRADE IN FILL AREAS AND THE UPPER 12 INCHES IN CUT AREAS TO 98 PERCENT OF THE SOIL'S MAXIMUM MODIFIED PROCTOR DENSITY VALUE (ASTM D1557) AND 95 PERCENT OF THE SOIL'S MAXIMUM MODIFIED PROCTOR DENSITY VALUE BELOW THIS LEVEL. FIELD DENSITY TESTING SHOULD BE PERFORMED AS ONE TEST PER LIFT FOR EVERY 10,000 SQUARE FEET.
- SEE SPECIFICATION P-152 FOR COMPACTION REQUIREMENTS.
- SEE GRADING AND DRAINAGE PLAN ON SHEET 17 FOR FURTHER DETAILS ON PAVEMENT GRADES.
- SEE PAVING, MARKING, AND LAYOUT PLAN ON SHEET 23 FOR FURTHER DETAILS ON PAVEMENT DIMENSIONS.

REQUIRED PAVEMENT (ALL SECTIONS)

- I GDOT 402 BITUMINOUS SURFACE COURSE, 3" THICK, PLACED IN TWO 1.5" LIFTS
- II FAA P-209 CRUSHED AGGREGATE BASE COURSE, 6" THICK
- III FAA P-602 PRIME COAT
- IV FAA P-603 TACK COAT
- V FAA P-152 COMPACTED SUBGRADE UNDER PAVEMENT, MINIMUM 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557)

REVISION RECORD	DESCRIPTION	DATE	BY

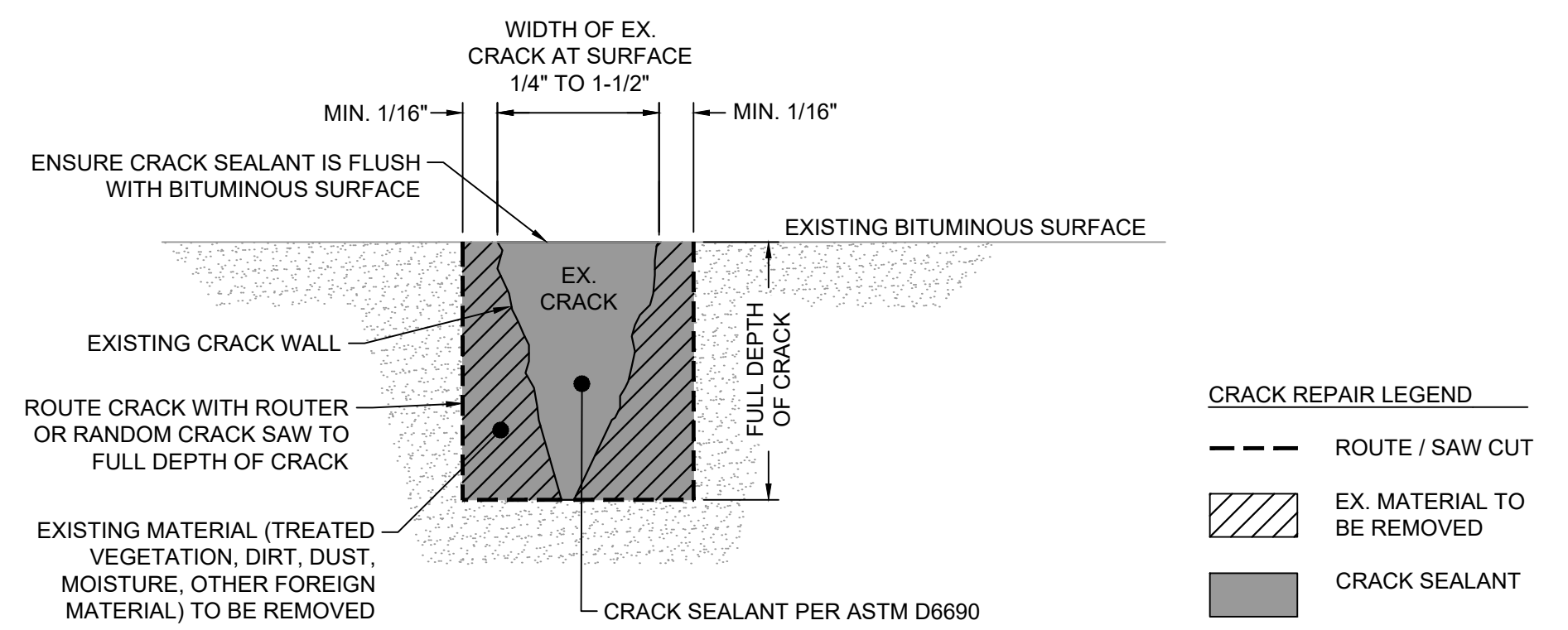
PROJECT NAME:  
**APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA**  
 DRAWING TITLE:  
**PAVING DETAILS**

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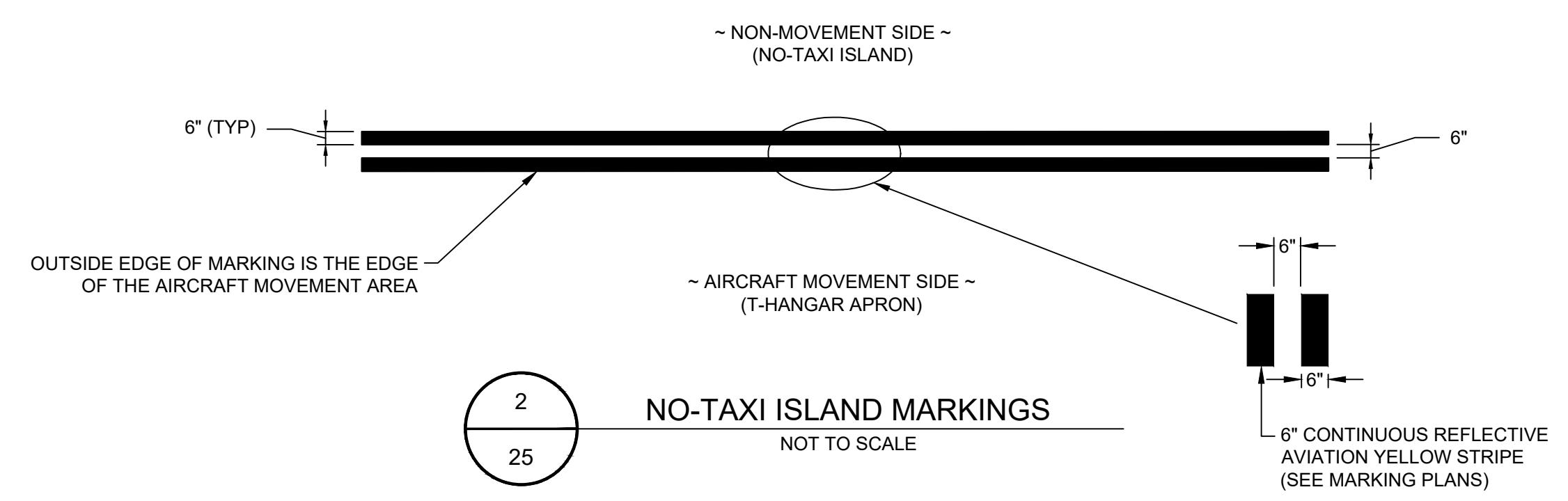
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**BITUMINOUS PAVEMENT CRACK REPAIR NOTES:**

- EXISTING CRACKS TO BE REPAIRED SHALL BE CLEANED AND PREPARED AS SPECIFIED IN PROJECT SPECIFICATION P-101 SURFACE PREPARATION.
- REMOVE ALL VEGETATION AND DEBRIS FROM CRACKS TO A MINIMUM DEPTH OF 1 INCH.
- APPLY A CONCENTRATED SOLUTION OF A WATER-BASED HERBICIDE TO EXISTING CRACKS WITH VEGETATION PRIOR TO CRACK REPAIR.
- EXISTING CRACKS LESS THAN 1/4" WIDE MAY BE IGNORED.
- EXISTING CRACKS BETWEEN 1/4" WIDE AND 1-1/2" WIDE MAY BE FILLED WITH A CRACK SEALANT PER ASTM D6690. TO MINIMIZE CONTAMINATION OF THE ASPHALT WITH THE CRACK SEALANT, UNDERFILL THE CRACK SEALANT A MINIMUM OF 1/8", NOT TO EXCEED 1/4". ANY EXCESSIVE CRACK SEALER ON THE SURFACE OF THE PAVEMENT SHALL BE REMOVED FROM THE PAVEMENT SURFACE. SEE PROJECT SPECIFICATION P-101 SURFACE PREPARATION FOR DETAILS.
- CRACKS GREATER THAN 1-1/2" WIDE AT THE PAVEMENT SURFACE SHALL BE CLEANED BY WIRE BRUSHING OR SANDBLASTING AND AIR BLASTING. CONTIGUOUS BITUMINOUS PAVEMENT THAT IS CRACKED AND DETERIORATED SHALL BE REMOVED TO SOUND PAVEMENT. APPLY TACK COAT TO INSIDE OF CRACK SURFACES AFTER PREPARATION AND CLEANING. THE CRACK SHALL BE OVER-FILLED WITH HOT MIXED ASPHALT AND THEN DENSELY COMPACTED BY METHODS APPROVED BY THE ENGINEER TO A FINISH ELEVATION LEVEL WITH ADJACENT PAVEMENT SURFACES. NO SEPARATE PAYMENT SHALL BE MADE FOR THE TACK COAT OR HOT MIX ASPHALT USED IN THE REPAIR OF CRACKS. THESE MATERIALS ARE CONSIDERED INCIDENTAL TO CRACK REPAIR AND THEIR COST SHALL BE INCLUDED IN THE BID UNIT PRICE FOR P-101 JOINT AND CRACK REPAIR.
- IMMEDIATELY BEFORE SEALING, JOINTS WILL BE BLOWN OUT WITH A HOT AIR LANCE COMBINED WITH OIL AND WATER-FREE COMPRESSED AIR.
- EXISTING SEALANTS WILL BE REMOVED BY ROUTING OR RANDOM CRACK SAW. FOLLOWING ROUTING OR SAWING, ANY REMAINING DEBRIS WILL BE REMOVED BY USE OF A HOT LANCE COMBINED WITH OIL AND WATER-FREE COMPRESSED AIR.

1
**TYPICAL PAVEMENT CRACK REPAIR DETAIL**  
 NOT TO SCALE



2
**NO-TAXI ISLAND MARKINGS**  
 NOT TO SCALE

**MARKING NOTES:**

- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT VERSION OF FAA ADVISORY CIRCULAR 150/5340-1.
- ALL TAXIWAY EDGE MARKINGS, NO-TAXI ISLAND MARKINGS, AND NON-MOVEMENT AREA MARKINGS SHALL BE REFLECTIVE AVIATION YELLOW WITH GLASS BEADS AND MICROBICIDE IN ACCORDANCE WITH SPECIFICATION P-620.

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**APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA**

DRAWING TITLE:  
**MARKING & CRACK REPAIR DETAILS**

PROJ. MGR.:	JPK
DESIGN BY:	BCF
DRAWN BY:	BCF
PROJ. DATE:	FEB 2021
DRAWING NUMBER:	25 OF 25

WKD PROJ. NO.: 20190358.00.AT

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