



- ONSITE T.B.M. WITH EXISTING ELEVATIONS. THE CONTRACTOR SHALL IMMEDIATELY CONTACT W.K. DICKSON & CO., INC. AT 770-955-5574 IF ANY
- WHETHER INDICATED ON THE PLANS OR NOT CALL "811" A MINIMUM OF 72 HOURS PRIOR TO





GENERAL SAFETY REQUIREMENTS: GENERAL NOTES: THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED THROUGHOUT THE CONSTRUCTION PROJECT, THE FOLLOWING SAFETY AND OPERATIONAL PRACTICES SHALL BE HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. OBSERVED. 2. THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES AND FACILITIES (I.E., AIRPORT LIGHTING, 1. OPERATIONAL SAFETY SHOULD BE A STANDING AGENDA ITEM DURING PROGRESS MEETINGS THROUGHOUT THE NAVAIDS, ETC.) FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY CONSTRUCTION PROJECT. AND FACILITY AGENCIES FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION. THE LOCATIONS OF 2. THE CONTRACTOR WILL OBTAIN, HAVE KNOWLEDGE OF, AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS 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 INTO THE CONSTRUCTION PROJECT: 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 OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION AC 150/5370-2G 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 AIRCRAFT RESCUE AND FIRE FIGHTING COMMUNICATIONS AC 150/5210-7D. REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER. AIRPORT SAFETY SELF-INSPECTION AC 150/5200-18C. ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT • PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT AC 150/5210-5D. 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. THE FEDERAL AVIATION ADMINISTRATION WEBSITE FOR ADVISORY CIRCULARS IS: ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAUL ROUTES, GRADING LIMITS, ETC., "WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY CIRCULARS/" 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 3. THE CONTRACTOR, ENGINEER AND AIRPORT OPERATOR SHALL PERFORM ONSITE INSPECTIONS THROUGHOUT MULCHING REQUIRED OUTSIDE THE GRADING LIMITS, APPROVED STOCKPILE LIMITS OR APPROVED HAUL LIMITS. 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 THE CONTRACTOR WILL BE REQUIRED TO TRANSPORT AND STORE ALL EQUIPMENT AND MATERIALS IN A MANNER AC 150/5200-18C. 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 4. CONTRACTOR, SUB CONTRACTORS, AND SUPPLIER EMPLOYEES OR ANY OTHER UNAUTHORIZED PERSONS MUST CLEAN AND FREE OF LOOSE DEBRIS FROM CONSTRUCTION MATERIALS. THE CONTRACTOR SHALL ALSO BE BE RESTRICTED FROM ENTERING OR REMAINING IN AN ACTIVE AIRPORT OPERATIONS AREA. ALL CONSTRUCTION RESPONSIBLE FOR CLEARING ALL PAVEMENTS TRAVERSED BY CONSTRUCTION EQUIPMENT OF DEBRIS DAILY. TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE CONSTRUCTION ENTRANCE/EXIT SHOWN ON HAUL ROUTE MAINTENANCE, CLEANING, AND RESTORATION SHALL BE INCIDENTAL TO THE PROJECT. THIS PLAN. CONTRACTOR WILL BE RESPONSIBLE FOR SECURITY OF ALL ENTRANCES DURING CONSTRUCTION. CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE ACCESS ROUTE, THE HAUL ROUTE, THE STAGING AREA, 5. 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 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 MUST BE PERFORMED WHEN THE RUNWAY, TAXIWAY, TAXILANE, OR APRON IS CLOSED OR USE-RESTRICTED AND CONSTRUCTION WITHIN THIS AREA WITHOUT PRIOR PERMISSION FROM A DESIGNATED AIRPORT INITIATED ONLY WITH PRIOR PERMISSION FROM THE AIRPORT MANAGEMENT. REPRESENTATIVE. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WALKING THE SITE TO ENSURE THAT IT IS CLEAR OF ALL DURING NON-CONSTRUCTION PERIODS AND HOURS OF DARKNESS, THE CONTRACTOR SHALL RETURN ALL OBSTRUCTIONS AND FOD AT THE END OF EVERY DAY. CONSTRUCTION EQUIPMENT TO THE STAGING AREA. 7. 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. 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. SAFETY AREAS, MARKINGS, SIGNS, LIGHTING, ARFF, FUELING OPERATIONS, NAVIGATIONAL AIDS, GROUND WHEN THE CONSTRUCTION BARRIERS ARE MOVED DURING CONSTRUCTION. CLEANUP OF THE AREAS OUTSIDE VEHICLES, OBSTRUCTIONS, PUBLIC PROTECTION, WILDLIFE HAZARD MANAGEMENT, CONSTRUCTION, AND SNOW THE BARRIERS SHALL OCCUR IMMEDIATELY. IN ADDITION, NO LOOSE MATERIALS THAT COULD BLOW INTO AND ICE CONTROL. FOR DETAILED INSPECTION TECHNIQUES SEE AIRPORT SAFETY SELF-INSPECTION AIRCRAFT OPERATIONS AREA SHALL BE ALLOWED IN THE CONSTRUCTION AREA. A FUNCTIONAL SWEEPER SHALL AC150/5200-18C. BE LOCATED ONSITE AT ALL TIMES THE AIRPORT IS OPEN FOR OPERATIONS. 8. CONTRACTOR SHALL BE AWARE OF THE PENALTY PROVISIONS FOR NON-COMPLIANCE WITH AIRPORT RULES AND THE CONTRACTOR & HIS/HER EMPLOYEES SHALL NOT BE ALLOWED IN THE EXISTING TERMINAL BUILDING. A REGULATIONS OF THESE SAFETY PLANS INCLUDING RESCISSION OF DRIVING PRIVILEGES OR ACCESS TO THE AIRCRAFT OPERATIONS AREA. PORT-A-JOHN SHALL BE ON SITE AT ALL TIMES. COST OF PORT-A-JOHN SHALL BE INCIDENTAL TO THE COST OF MOBILIZATION. 9. NO WATER LINES OR FIRE HYDRANTS WILL BE DEACTIVATED DURING CONSTRUCTION. IF DURING CONSTRUCTION, 10. THE CONTRACTOR SHALL PROVIDE FOR EMPLOYEE PARKING WITHIN HIS STAGING AREA. ONLY AUTHORIZED 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. 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 10. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A COPY OF THE AIRPORT'S EMERGENCY 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 RESPONSE MANUAL AND EMERGENCY TELEPHONE DIRECTORY FOR NOTIFYING FACILITIES, AGENCIES AND PERSONNEL WHO HAVE RESPONSIBILITIES WITHIN THIS PLAN. CONTRACTOR SHALL ENSURE THAT AIRCRAFT PRE-CONSTRUCTION CONFERENCE. RESCUE AND FIRE FIGHTING (ARFF) RIGHT OF WAY ON ACCESS AND HAUL ROADS IS NOT IMPEDED AT ANY TIME 11. EQUIPMENT NOT IN USE SHALL BE PARKED IN THE CONTRACTOR'S STAGING AREA OR IN AREAS DESIGNATED BY AND THAT CONSTRUCTION TRAFFIC DOES NOT INTERFERE WITH NAVAIDS OR APPROACH SURFACE OF THE THE RESIDENT PROJECT REPRESENTATIVE. OPERATIONAL RUNWAY. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY EMERGENCY CONTACT INFORMATION FROM THE FBO. 12. ALL DE-WATERING REQUIRED TO EXECUTE WORK SHALL BE INCIDENTAL TO THE PROJECT. 11. THE CONTRACTOR MUST PROVIDE A CONTACT THAT IS ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE 13. ALL CONSTRUCTION VEHICLES TRAVERSING ANY PORTION OF THE AOA (AIRPORT OPERATIONS AREA), MUST BE 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. 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 12. NO STOCKPILES ARE ALLOWED IN THE RUNWAY OBJECT FREE AREA (ROFA), TAXIWAY OBJECT FREE AREA (TOFA), 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 OR TAXILANE OBJECT FREE AREA (TOFA). PART OF THE VEHICLE STRUCTURE. A STEADY AMBER LIGHT DESIGNATES VEHICLES LIMITED TO NON-MOVEMENT AREAS. SEE VEHICLE FLAG DETAIL 1/3. 13. 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. 14. 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 16. 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. 17. 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. 18. 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 CONTRACT 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. 19. 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. AIRPORT SPONSOR: TOM STRONG, AIRPORT MANAGER 20. BURNING WILL NOT BE ALLOWED ON AIRPORT PROPERTY. (706) 367-1493 UNICOM FREQUENCY: 122.8 21. 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.

22. ALL TEMPORARY MARKINGS SHALL BE IN COMPLIANCE WITH AC 150/5340-1M, STANDARDS FOR AIRPORT MARKINGS.

23. NO WETLANDS OR ENDANGERED SPECIES HABITAT ARE TO BE AFFECTED BY THIS PROJECT.

CONSTRUCTION MA

**BEFORE BEGINNING** NOTICE (USING THE COMMENCEMENT O RETURN OF ALL SUC VERIFY THE CANCEI CONSTRUCTION PRO

- 1. BE FAMILIAR WI OPERATIONAL S
- 2. CONDUCT ACTIV THE REFERENC
- 3. INSPECT ALL CO
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#### **RUNWAY & TAXIWAY**

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PREVENT PERSONN PENETRATING THE F

COORDINATE CONS

#### SURVEY NOTES:

- 1. THE FOLLOWING COORDINATE S PROJECT HORIZ VERTICAL DATU COORDINATE U VERTICAL UNIT
- 2. SURVEY WAS D COMPLETED ON
- 3. ELEVATIONS SH
- 4. ALL DISTANCES NOTED.
- 5. ALL UTILITIES M RIGHTS OF ENT



ONE BY WARREN S. WOOD, GA. P.L.S. NO. 2849 WITH WOOD BROTHERS LAND SURVEYORS, INC. AND I OCTOBER 29, 2019. IOWN HEREON ARE RELATIVE TO NAVD88 AND ARE BASED ON MEAN SEA LEVEL. ARE HORIZONTAL GROUND MEASUREMENTS IN FEET & DECIMALS THEREOF, UNLESS OTHERWISE HAY NOT BE SHOWN ON THIS SURVEY. ALL UTILITY LINES SHOWN HEREON MAY HAVE EASEMENTS AND RANCE AND MAINTENANCE ASSOCIATED WITH THEM.				NO. DATE DESCRIPTI
VISILE. 0. 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. 0. 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 1. VEHICLE FLAG DETAIL 3. NOT TO SCALE 0. CONSTRUCTION PHASING	NT - NOT FOR CONSTRUCTION		日本 日	

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



#### DEMOLITION AND CLEARING NOTES:

- 1. CONTRACTOR SHALL REMOVE DESIGNATED STRUCTURES AS SHOWN WITHIN
- THESE PLANS AND DISPOSE OF AT NO ADDITIONAL COST TO THE OWNER.
  BITUMINOUS PAVEMENT REMOVAL PAY ITEM SHALL INCLUDE THE REMOVAL OF EXISTING ASPHALT, STONE BASE MATERIAL, AND SOILS TO PROPOSED SUBGRADE ELEVATION. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK.
- 3. ITEMS TO BE REMOVED THAT ARE NOT INDICATED BY A SEPARATE PAY ITEM IN THE SCHEDULE OF WORK SHALL NOT BE MEASURED OR PAID FOR
- SEPARATELY. 4. ALL MATERIAL TO BE REMOVED (INCLUDING GRAVEL AND SOIL DEBRIS)
- SHALL BE HAULED OFF TO A DESIGNATED OFF-SITE FACILITY.
- 5. THE CONSTRUCTION ACTIVITY AREA AS SHOWN SHALL BE STRIPPED OF ALL VEGETATION, TOPSOIL, AND ROOT SYSTEMS.
- THE EXISTING SOILS ON-SITE CONSIST OF SAND CLAY STRATA THAT WILL LOSE STRENGTH AND DEGRADE RAPIDLY UNDER CONSTRUCTION TRAFFIC AND REPETITIVE CONSTRUCTION OPERATIONS WHEN WORKED DURING WET PERIODS. CONTRACTOR TO INSURE POSITIVE DRAINAGE RUNOFF TO PREVENT THE PONDING OF STORM WATER ON-SITE FOR THE ENTIRE DURATION OF CONSTRUCTION ACTIVITY.
- SEE SHEET 5 FOR LIMITS OF DISTURBANCE COORDINATE LOCATION TABLE.
   A FIELD SURVEY WAS COMPLETED ON AUGUST 5, 2019 BY WOOD BROTHERS LAND SURVEYORS, INC.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH JACKSON COUNTY EMC FOR THE REMOVAL AND RELOCATION OF ALL EXISTING ELECTRICAL UTILITIES NECESSARY FOR CONSTRUCTION, INCLUDING BOXES, TRANSFORMERS, CABLING (ABOVE GROUND AND/OR BELOW GROUND) AND ASSOCIATED APPURTENANCES EITHER SHOWN OR NOT SHOWN ON THIS PLAN PRIOR TO START OF CONSTRUCTION. THIS WORK IS INCIDENTAL TO "REMOVE/RELOCATE EXISTING UNDERGROUND ELECTRICAL UTILITIES & TRANSFORMERS (JACKSON EMC)" PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

LIMITS OF	DISTURBANCE & COORDINATE TAI	DEMOLITION BLE
POINT NO.	NORTHING	EASTING
1	1518032.5107	2480958.7898
2	1517931.8996	2480590.0270
3	1517991.2077	2480573.2720
4	1518088.3872	2480943.6877
5	1518004.7683	2480622.0537
6	1518058.7400	2480607.0503
7	1518146.3465	2480927.6486
8	1518210.2097	2480908.8168
9	1518123.8525	2480588.2447
10	1518176.9594	2480573.9385
11	1518263.3165	2480894.5106
12	1518339.2685	2480873.8420
13	1518256.1326	2480566.6290
14	1518302.8827	2480554.0125
15	1518385.8038	2480861.2838
16	1518462.0106	2480841.2286
17	1518460.4277	2480835.3633
18	1518432.6129	2480842.3841
19	1518344.9190	2480511.3140
20	1518357.3024	2480492.2248
21	1518284.4074	2480513.3698
22	1518261.3987	2480511.3446
23	1518183.6366	2480533.6502
24	1518172.0358	2480513.9593
25	1518143.1854	2480523.6584

LIMITS OF	DISTURBANCE & COORDINATE TAB	DEMOLITION BLE
POINT NO.	NORTHING	EASTING
26	1518148.0316	2480543.8478
27	1518045.6996	2480559.4916
28	1518539.3745	2480815.4255
29	1518531.1202	2480784.8383
30	1518553.9486	2480778.6777
31	1518487.2497	2480531.5193
32	1518395.9953	2480556.1455
33	1518372.4763	2480487.3314
34	1518266.2799	2480498.8494
35	1518258.0571	2480493.7219
36	1518191.7994	2480495.0632
37	1518053.0001	2480532.9724
38	1518028.8616	2480538.8993
39	1518012.6969	2480526.8292
40	1517973.8963	2480554.2499
41	1518615.6672	2480241.1177
42	1518609.0706	2480249.5196
43	1518642.6444	2480286.2265
44	1518645.4267	2480325.2600
45	1518653.2304	2480325.6714
46	1518653.5085	2480283.5400
47	1518626.9444	2480242.3652

DOCUMENT - NO	FOR CONSTRUCTION				
PROJ. MGR.: JPK DESIGN BY: BCF DRAWN BY: BCF PROJ. DATE: FEB 202 DRAWING NUMBER: 5 OF 2 WKD PROJ. NO.:	ROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA RAWING TITLE:		REVISION RECORD		2120 POWERS FERRY R SUITE 100, ATLANTA, GA (t)770-955-5574 (f)770-955-0338 WWW.WKDICKSON.CC
  5	LIMITS OF DISTURBANCE TABLES	NO. DATE	DESCRIPTION		DAD 30339



# **EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLANS FOR: APRON PAVEMENT AND DRAINAGE** REHABILITATION

# **JACKSON COUNTY AIRPORT (JCA)**



ROJECT SITE Jackson County BEGINNING OF PROJECT Arport LAT: N34.172875° LONG: W083.559644° DRAWI NUMB - END OF PROJECT 6 LAT: N34.16935833° LONG: W083.55753611 7 8 9 10 APPLE VALLEY, GA QUADRANGLE 11 USGS TOPOGRAPHICAL MAP OWNER / DEVELOPER: SCALE: 1"=2000' 24-HOUR CONTACT: 12 JACKSON COUNTY AIRPORT (JCA) SUCCESSFUL SELECTED TOM STRONG CONTRACTOR AFTER BIDDING **AIRPORT MANAGER: AIRPORT MANAGER** PHONE: TBD TOM STRONG 14 EMAIL: TBD 500 SKY HARBOR WAY PHONE: (706) 367-1493 JEFFERSON, GA 30549 15 PHONE: (706) 367-1496 **GSWCC LEVEL 1A BLUE CARD HOLDER:** TBD 16 CERT. NUMBER: TBD

TOTAL SITE AREA = 177.69 ACRES **DISTURBED AREA = 2.97 ACRES** 

# FOR

# **FEBRUARY 2021**

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





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10	GAR100002 CHECKLIST	)R C	T NAM		
11	BMP LOCATION PLAN PHASE 1 - CLEARING & GRUBBING	T FC	ROJEC		DRAWIN
12	BMP LOCATION PLAN PHASE 2 - TEMPORARY GRASSING & VEGETATION	O Z			
13	BMP LOCATION PLAN PHASE 3 - PERMANENT		PROJ. M DESIGN DRAWN	GR.: JPK BY: BCF BY: BCF	<u>-</u>
14	EROSION CONTROL DETAILS - SHEET 1	IMEI	PROJ. D/ DRAWIN	ATE: FEE G NUMBER	2021
15	EROSION CONTROL DETAILS - SHEET 2	DCU	6	OF	25
16	EROSION CONTROL DETAILS - SHEET 3		WKD PI	roj. no.: 90358.0	0.AT
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ER	OSION, SEDIMENTATION & POLLUTION CONTROL NOTES	E
1.	EROSION, SEDIMENT, AND POLLUTION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL CHECK LIST IS LOCATED ON THE 4TH EROSION NOTE SHEET.	
2.	LEVEL II CERTIFIED DESIGN PROFESSIONAL: BRAD FERMANICH GSWCC CERTIFICATION: 5746 EXPIRATION DATE: 04/14/2021	
3.	24 HOUR CONTACT: SUCCESSFUL SELECTED CONTRACTOR AFTER BIDDING TBD	
4.	PRIMARY PERMITTEE: JACKSON COUNTY AIRPORT (JCA) 500 SKY HARBOR WAY JEFFERSON, GA 30549 (706) 367-1496	
5.	TOTAL SITE AREA = 177.69 ACRES TOTAL DISTURBED AREA = 2.97 ACRES	
	THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION IS SHOWN ON THE PLAN SHEETS.	
6.	GPS LOCATIONS FOR BEGINNING AND END OF PROJECT ARE SHOWN ON SHEET 6.	
7.	INITIAL DATE ON THE PLANS: FEB 2021 REVISION DATE:	
8.	NATURE OF CONSTRUCTION ACTIVITY CONSISTS OF: <u>REALIGNING APRONS ON EAST AND WEST</u> <u>ENDS OF THE HANGARS, REMOVAL AND REPLACEMENT OF PAVEMENT IN AIRPORT HANGER</u> <u>ROAD AND APRON AREAS 1, 2, AND 3, NEW SLOTTED DRAIN IN APRONS 1 AND 3, EXPANSION OF</u> <u>APRON 1 TO THE NORTH, CRACK SEALING OF PAVEMENT IN APRON AREA 4</u> .	2
9.	VICINITY MAP: SEE COVER SHEET (SHEET 6).	2
10.	THE RECEIVING WATERS FOR THIS PROJECT IS AN UNNAMED TRIBUTARY TO PARKS CREEK WHICH IS A PART OF THE GREATER OCONEE RIVER BASIN. ALL STATE WATERS LOCATED ON OR WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN DELINEATED IN THESE PLANS.	2
11 1	14. THE DESIGN PROFESSIONAL CERTIFICATION STATEMENTS AND DESIGN PROFESSIONAL'S STATEMENTS ARE LOCATED ON SHEET 6.	
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 WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.	
16.	THIS PROJECT DOES NOT ENCROACH ON ANY BUFFERS.	
17.	THE DESIGN PROFESSIONAL'S STATEMENTS ARE LOCATED ON SHEET 6.	
18.	WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.	
	WASTE MATERIALS	
	ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATION. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.	
	ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.	
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."	2
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 MULCH OR TEMPORARY SEEDING."	
22.	THIS PROJECT <u>DOES NOT</u> DISCHARGE 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.	
23.	A TMDL IMPLEMENTATION PLAN FOR SEDIMENT <u>IS NOT APPLICABLE</u> TO THIS PROJECT. (SEE ITEM #22 ABOVE).	
24.	CONCRETE WASH DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLE IS PERMITTED. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED. THIS PROJECT DOES NOT ALLOW THE CONCRETE WASHDOWN ON THE PROJECT SITE. SEE ES&PC PLANS FOR LOCATION IF ALLOWED.	
25.	SPILL PREVENTION AND HAZARDOUS WASTES NOTES:	
	(1) ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONAL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.	
	(2) THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. 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. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.	

#### EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

(3) SOIL CLEANUP AND CONTROL PRACTICES

- LOCAL. STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MAPS, 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.
- REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS. • FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE
- NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 800-424-8802.
- CONTACTED WITH 24 HOURS AT 800-424-8802.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- 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.
- (1) THE CONTRACTOR SHALL NOT STORE MORE THAN 1320 GALLONS OF PETROLEUM ON SITE INCLUDING CAPACITIES OF EQUIPMENT.
- (2) THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.
- 26. A DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED ARE PERMANENT VEGETATION.
- 27. THIS PROJECT DOES NOT INCLUDE THE CONSTRUCTION OF ANY PROPOSED BUILDINGS AND DOES NOT NECESSITATE THE NEED FOR COVERING BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE.

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

- (1) INITIAL PHASE (PHASE 1):
- PHASE 1 OF THE PLAN IS FOR INSTALLATION OF INITIAL EROSION CONTROL BMP'S, SITE CY PER ACRE SEDIMENT STORAGE UTILIZING TWO SLOTTED BOARD DAM RETROFITS INSTALLED ON EXISTING UPSTREAM HEADWALLS, AND AN EXCAVATED INLET SEDIMENT TRAP. PERIMETER COMPOST FILTER SOCK, AND FILTER SOCK DITCH CHECKS SERVE AS ADDITIONAL SEDIMENT STORAGE DEVICES. ADDITIONAL PHASE 1 BMPS INCLUDE A CONSTRUCTION EXIT AND DISTURBED AREA MULCHING THAT WILL PREVENT SEDIMENT FROM LEAVING THE SITE. LIMITS OF DISTURBANCE FOR PHASE 1 ARE ALL OF THE DEMOLITION AREAS, TOPSOILING AND STRIPPING AREAS, STAGING AND STOCKPILING AREAS, AND AREAS NEEDED TO INSTALL INITIAL BMPS. SEE TO 16 FOR A DESCRIPTION OF APPROPRIATE CONTROLS.
- (2) INTERMEDIATE PHASE (PHASE 2): PHASE 2 OF THE PLAN IS FOR ROUGH GRADING OF THE APRON AREA AND INSTALLATION OF STORM DRAINAGE NETWORK. PHASE 2 INCLUDES THE REQUIRED 67 CY PER ACRE SEDIMENT STORAGE UTILIZING TWO SLOTTED BOARD DAM RETROFITS INSTALLED ON UPSTREAM HEADWALLS, AN EXCAVATED INLET SEDIMENT TRAP, FILTER SOCK DITCH CHECKS, PERIMETER COMPOST FILTER SOCK, AND INLET SEDIMENT TRAPS. PERMANENT OUTLET STABILIZATION STRUCTURES SERVE TO REDUCE THE VELOCITY OF FLOW THAT EXIT STORM DRAINAGE PIPES. ADDITIONAL PHASE 2 BMPS INCLUDE MULCHING AND TACKIFIER THAT WILL PREVENT SEDIMENT FROM LEAVING THE SITE AND AID IN STABILIZATION. LIMITS OF DISTURBANCE FOR PHASE 2 ARE THE SAME AS PHASE 1. SEE SHEET 12 FOR THE PHASE 2 BMP LOCATION PLAN. SEE EROSION
- (3) FINAL PHASE (PHASE 3): PHASE 3 OF THE PLAN IS FOR FINAL STABILIZATION OF THE APRON PAVEMENT AND DRAINAGE REHABILITATION AREA. PHASE 3 INCLUDES PERMANENT VEGETATION AND STABILIZATION OF PROJECT SITE. SEE SHEET 13 FOR THE PHASE 3 BMP LOCATION PLAN. SEE EROSION CONTROL DETAILS ON SHEETS 14 TO 16 FOR A DESCRIPTION OF APPROPRIATE CONTROLS.
- 29. SEE ACTIVITY SCHEDULES ON THIS SHEET FOR DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES.

ESTIMATED START DATE: ESTIMATED COMPLETION DATE: 10/15/2020 PROJECT DURATION:

08/01/2020 75 CALENDAR DAYS

ANTICIPATE	D CO	NSTR	UCTI	ON A	CTIVI	TY S	CHED	ULE	
					MOI	NTH			
ONSTRUCTION ACTIVITY			1			:	2		3
ISTALL CONSTRUCTION EXIT & ERIMETER SILT FILTER SOCK									
OPSOIL & STRIP AREAS FOR SED. TORAGE BMP'S									
ISTALL EROSION CONTROL BMP'S									
ESIGN PROFESSIONAL'S 7 DAY ISPECTION									
AINTAIN EROSION CONTROL BMP'S									
OPSOIL STRIPPING / STORING									
AVEMENT REMOVAL & SITE DEMOLITION									
OUGH GRADING									
ISTALL STORM DRAINAGE SYSTEM									
ISTALL & MAINTAIN TEMP. STAB. IN REAS NOT AT FINAL GRADE									
NAL GRADING									
ISTALL & MAINTAIN PERM. STAB. IN FINAL RADED AREAS									
ISTALL PAVEMENT AREAS AND ROPOSED SITE FEATURES									
LEAN UP SITE AND REMOVE TEMP. ROSION CONTROL BMP'S									

• ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE

• FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE

ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR

DEMOLITION AND TOPSOILING AND STRIPPING OPERATIONS. PHASE 1 INCLUDES THE REQUIRED 67 SHEET 11 FOR THE PHASE 1 BMP LOCATION PLAN. SEE EROSION CONTROL DETAILS ON SHEETS 14

CONTROL DETAILS ON SHEETS 14 TO 16 FOR A DESCRIPTION OF APPROPRIATE CONTROLS.

## EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

30. INSPECTIONS

A. PERMITTEE REQUIREMENTS

- (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 AND (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 RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY. NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE 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 FOURTEEN (14) 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 MEASURES 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 IS SUBMITTED TO EPD) 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 PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY 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 REPORT SHALL CONTAIN A STATEMENT THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

31. SAMPLING FREQUENCY AND REPORT

SAMPLING FREQUENCY

- (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 STORM WATER DISCHARGE TO A MONITORED 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 IMPOSSIBLE (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 QUALIFYING EVENTS:

- (A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT. AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, 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 WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST;
- (C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL 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 OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS\* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
- (D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE: AND
- (E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

#### EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

(4) NON-STORM WATER DISCHARGES. EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES. SOURCES OF NON-STORM WATER LISTED IN PART III.A.2. OF THIS PERMIT THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE IDENTIFIED IN THE PLAN. THE PLAN SHALL IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

REPORTING

(1) THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.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 APPLICABLE 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. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

MEASUREMENTS;

a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND

d. THE TIME(S) ANALYSES WERE INITIATED;

e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES; f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;

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 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

(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 A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE

32. RETENTION OF RECORDS

(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:

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

- PERMIT:
- THIS PERMIT
- PERMIT.

PERMITTEE.

(1) COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE EPD. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS 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 ALTERNATIVE 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

33. SAMPLING REQUIREMENTS AND ANALYTICAL METHODS USED FOR SAMPLING

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

A. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE INFRASTRUCTURE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS FOR EACH REPRESENTATIVE STORMWATER OUTFALL. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;

(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;

(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN 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); AND

(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

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 SAMPLING AT ANY TIME OF THE DAY OR WEEK.

(2) ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

c. THE DATE(S) ANALYSES WERE PERFORMED;

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT; d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS

e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF

f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART OF THIS PERMIT; AND g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS

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PROJECT NAME:	APRON PAVEMENT AND DRAINAGE REHABILITATION	FOR THE	JACKSON COUNTY AIRPORT (JCA)	CITY OF JEFFERSON, GEORGIA		DRAWING TITLE:		
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# EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

#### B. SAMPLE TYPE 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 GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- (1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- (2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- (3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- (4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED, SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY. BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- (5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.
- C. SAMPLING POINTS
- (1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, 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 THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
- a. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
- b. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- c. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
- d. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- e. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACE UPSTREAM.
- f. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- g. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE.
- h. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.
- (2). N/A THIS PROJECT WILL NOT UTILIZE REPRESENTATIVE SAMPLING.
- (3). N/A THIS PROJECT WILL NOT UTILIZE REPRESENTATIVE SAMPLING.
- (4), FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, IF AT ANY TIME DURING THE LIFE OF THE PROJECT A SELECTED RECEIVING WATER NO LONGER REPRESENTS ANOTHER RECEIVING WATER. THEN THE PERMITTEE SHALL SAMPLE THE LATTER RECEIVING WATER UNTIL SELECTION OF AN ALTERNATIVE REPRESENTATIVE RECEIVING WATER.
- (5). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, IF AT ANY TIME DURING THE LIFE OF THE PROJECT A RECEIVING WATER IS DETERMINED NOT TO BE REPRESENTED AS CERTIFIED IN THE PLAN, THE PERMITTEE SHALL SAMPLE THAT RECEIVING WATER UNTIL A NOTICE OF TERMINATION IS SUBMITTED OR UNTIL THE APPLICABLE PHASE IS STABILIZED IN ACCORDANCE WITH THIS PERMIT.
- (6). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, MONITORING OBLIGATIONS SHALL CEASE FOR ANY PHASE OF THE PROJECT THAT HAS BEEN STABILIZED IN ACCORDANCE WITH PART IV.D.6.C.(1).(G).
- 34. OUTFALL SAMPLING POINTS AND MONITORING SITES.

		MONITORING	G SITE CHART			
MONITORING	TVDE	TOTAL SITE	DRAINAGE	AREA	STREAM	
SITE ID		AREA (AC)	AC.	SQ. MI.	TYPE	
2	DOWNSTREAM OUTFLOW	177.69	12.04	0.0188	WARM	50
* SEE APPENDIX	B "NEPHELOMETRIC	C TURBIDITY UN	IT (NTU) TABLE	S" IN GENE	RAL PERMIT	NO.
GAR100002 FOR	NTU LIMITS FOR TR	OUT STREAMS /	AND WARM WA	TER FISHER	RIES.	

#### EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

- 35. ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES UTILIZE REPRESENTATIVE SAMPLING.
- CONSTRUCTION SITE INCLUDING INITIAL, INTERMEDIATE AND FINAL PHASE BMP'S.

# **INITIAL PHASE**

#### **EROSION CONTROL NOTES**

- 1. PRIOR TO THE LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.
- 2. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, FUEL STORAGE, OR DEBRIS BURN AND BURIAL HOLES SHOULD BE LOCATED WITHIN 50 FT OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS.
- 3. A COPY OF THE ES&PC PLAN MUST BE PRESENT ON THE SITE AT ALL TIMES.
- 4. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHOULD BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHOULD BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- 5. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- 6. TYPE "C" PERIMETER COMPOST FILTER SOCK SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER COMPOST FILTER SOCK SHOULD BE INSPECTED WEEKLY AND AFTER QUALIFYING RAIN EVENTS FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- 7. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN.
- 8. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- 9. AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHOULD OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR SHOULD CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION WITH CONSULTATION WITH THE DESIGN PROFESSIONAL.
- 10. AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH REMAINING CLEARING AND GRUBBING ACTIVITIES.
- 11. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
- 12. PERMITTEES SHALL INSPECT CONTROL MEASURES AS REQUIRED BY NPDES. ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK
- 13. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES CAN RESULT IN TO THE APPROVED EROSION CONTROL PLANS.
- 14. NO BURY OR BURN PITS SHALL BE PERMITTED ON THE PROJECT SITE WITHOUT WRITTEN AUTHORIZATION BY THE OWNER.
- 15. PERIMETER COMPOST FILTER SOCK SHALL BE INSTALLED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL ALL PERIMETER COMPOST FILTER SOCK AND TEMPORARY SEDIMENT PONDS AND/OR RETROFITTED DETENTION PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- 16. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
- 17. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY BY CONTRACTOR TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- 18. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

INTO WHICH STORM WATER IS DISCHARGED IS DELINEATED ON SHEET 11. THIS PROJECT WILL NOT

36. DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED A THE

### INTERMEDIATE PHASE

#### **EROSION CONTROL NOTES**

- 1. PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
- 2. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHOULD BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.
- 3. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
- 4. TYPE "C" PERIMETER COMPOST FILTER SOCK SHALL BE PLACED 10' FROM THE TOE OF ALL DIRT STOCK PILE AREAS. STOCK PILES ARE TO BE COVERED AT THE END OF EACH DAY.
- 5. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED.
- 6. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.
- 7. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN AND AS NECESSARY FOR CONTROL OF STORMWATER.
- 8. MULCH, TEMPORARY VEGETATION, OR PERMANENT VEGETATION SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
- 9. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH QUALIFYING RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 THE CAPACITY OF THE DEVICE.
- 10. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER 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 PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED. 12. CUT SLOPES ARE NOT TO EXCEED "2H:1V"
- FILL SLOPES ARE NOT TO EXCEED "2.5H:1V"
- 13. ALL DRAINAGE SWALES SHALL BE APPLIED WITH PERMANENT VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
- 14. ALL GRADED AREAS SHALL BE APPLIED WITH PERMANENT VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
- 15. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
- 16. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES CAN RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
- 17. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

## **FINAL PHASE** EROSION CONTROL NOTES

- TEMPORARY GRASSING.
- INLET PROTECTION.

- UNLESS NOTED ON PLANS.

1. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN. 2. MULCH, TEMPORARY VEGETATION, OR PERMANENT VEGETATION SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

3. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH

4. WHERE APPLICABLE, AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER

5. ALL GRADING SHOULD BE APPLIED WITH PERMANENT VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

6. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

7. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

8. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES CAN RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

9. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

10. UPON COMPLETE SITE STABILIZATION OF PERMANENT GROUND COVER, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM

PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA JAMING TITLE: NDDES NOTES - SHEET 2 NDDES NOTES - SHEET 2 NDES NOTES - SHEET 2 ND SH
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#### EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

- 37. GRAPHIC SCALE AND NORTH ARROWS ARE DISPLAYED ON THE PLAN SHEETS.
- 38. TOPOGRAPHIC INFORMATION OBTAINED FROM FIELD RUN SURVEY. EXISTING AND PROPOSED CONTOUR LINES ARE DISPLAYED ON THE EROSION AND SEDIMENT CONTROL SHEETS AND THE USGS QUAD MAP ON SHEET 6.
- 39. 40. USE OF ALTERNATE BMP'S IS NOT APPLICABLE TO THIS PROJECT.
- 41. THERE ARE NO 25-FOOT OR 50-FOOT UNDISTURBED BUFFERS OR ADDITIONAL BUFFERS REQUIRED BY THE LOCAL ISSUING AUTHORITY WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT SITE. AS SUCH, DELINEATION OF THESE BUFFERS ON THE EROSION CONTROL PLAN SHEETS IS NOT APPLICABLE.
- 42. THERE ARE NO ON-SITE WETLANDS OR STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SET. AS SUCH, DELINEATION OF THESE AREAS ON THE EROSION CONTROL PLANS SHEETS IS NOT APPLICABLE.
- 43. 44. DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE AREAS ON THE PROJECT SITE ARE SHOWN ON SHEET 11.
- 45. RUNOFF COEFFICIENT: WEIGHTED PRE-CONSTRUCTION CURVE NUMBER = 77 WEIGHTED POST-CONSTRUCTION CURVE NUMBER = 77
- 46. STORM DRAIN OUTLET PROTECTION DATA IS SHOWN ON SHEET14. STORM DRAIN OUTLET PROTECTION BMP'S ARE LOCATED ON SHEETS 12 AND 13.
- 47. SOIL SERIES FOR THIS PROJECT ARE SHOWN ON THE EROSION CONTROL PLANS SHEETS AND LISTED BELOW:

	SOIL TABLE	
SOIL SYMBOL	NAME	HYDROLOGIC SOIL GROUP
CeB	CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES	В
CeC	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES	В
CfC2	CECIL SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, ERODED	В

- 48. LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION IS DISPLAYED ON THE EROSION CONTROL PLAN SHEETS AND COVER PAGE.
- 49. A MINIMUM OF 67 CY PER ACRE SEDIMENT STORAGE PER DISTURBED AREA DRAINED IS PROVIDED USING A SLOTTED BOARD DAM WITH STONE RETROFIT WHERE STORMWATER EXITS THE SITE (SEE Rt-B #1). PERIMETER COMPOST FILTER SOCK, COMPOST FILTER SOCK DITCH CHECKS, AN EXCAVATED INLET SEDIMENT TRAP, AND INLET SEDIMENT TRAPS SERVE AS ADDITIONAL SEDIMENT STORAGE DEVICES. SEE EROSION AND SEDIMENT CONTROL DETAILS ON SHEETS 14 TO 16 AND THE SEDIMENT STORAGE CALCULATIONS ON SHEET 16.
- A Sd3 TEMPORARY SEDIMENT BASIN IS NOT UTILIZED ON THIS PROJECT. EQUIVALENT CONTROLS IN LIEU OF A Sd3 TEMPORARY SEDIMENT BASIN WERE UTILIZED TO ACHIEVE REQUIRED SEDIMENT STORAGE. THE PRESENCE OF THE EXISTING INLET HEADWALL THAT IS LOCATED AT A NATURAL LOW POINT ADJACENT TO TAXIWAY T (SEE SHEETS 14 TO 16 FOR LOCATION) SERVES AS A GOOD LOCATION FOR INSTALLING AN Rt-B TO TRAP SEDIMENT (SEE Rt-B #1). ADDITIONALLY, THE NATURAL BASIN FORMED BY THIS LOW POINT IS SUFFICIENTLY LARGE ENOUGH TO STORE ALL OF THE REQUIRED SEDIMENT WITHOUT ADDITIONAL EXCAVATIONS AND EMBANKMENTS THAT A Sd3 WOULD REQUIRE. THEREFORE, THE USE OF A Sd3 AT THIS LOCATION WOULD BE AN EXCESSIVE EROSION CONTROL MEASURE CONSIDERING THE CHARACTERISTICS OF THE SITE AND THE AMOUNT OF SEDIMENT THAT THE PROJECT GENERATES.
- 50. SEE SHEETS 11 TO 13 FOR THE LOCATION OF BEST MANAGEMENT PRACTICES THAT ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. REFER TO EROSION CONTROL DETAIL SHEET 14 FOR THE BMP UNIFORM CODING LEGEND.
- 51. DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS AND DETAIL SHEETS 14 TO 16.

SCHEDULE.

## MISCELLANEOUS NOTES

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 CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL 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 ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

#### 2. SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

NO SANITARY SEWER/SEPTIC SYSTEM WILL SERVE THIS PROJECT.

ALL EROSION CONTROL MEASURES AND DEVICES SHALL BE CHECKED DAILY AND ANY TOPSOIL 3. STORAGE AREAS WILL BE COVERED AT THE END OF EACH WORK DAY.

4.

6. BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENT AND THE GENERATION OF DUST.

7. ALL AD VALOREM TAXES OWED AND DUE RELATED TO THIS SITE AND PROJECT HAVE BEEN PAID.

NOTE:

#### EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES (continued)

52. SEE SHEET 15 FOR VEGETATIVE PLAN, INCLUDING TEMPORARY AND PERMANENT GRASS PLANTING

1. PRODUCT SPECIFIC PRACTICES

ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL. B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS.

D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES.

8. ALL EROSION CONTROL MEASURES AND DEVICES SHALL BE CHECKED DAILY.

#### CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL NPDES REQUIREMENTS FOR THE CONSTRUCTION PROJECT.

BOULT ION TRANTA GENERAL AND DRAINAGE REHABILITATION TARACT NAME: TARACT NAME: TARA	PROFESSIONAL SEAL PROFESSIONAL	
PROJECT NAME: REVISION TE OFFICE NOV 2146 REVISION PAVEMENT AND DRAINAGE REHABILITATION APRON PAVEMENT AND DRAINAGE REHABILITATION APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA DATE DESCRIPTION NDDES VOTES - SHEET 3 NDDES NOTES - SHEET 3 NDDES NOTE	BROLE DEC NO. 5746 EXPIRATION DATE 04/14/2021	2120 POWERS FERRY ROAD SUITE 100, ATLANTA, GA 30339 (t)770-955-5574 (f)770-955-0338 WWW.WKDICKSON.COM
PROJECT NAME: REVISION FROM EACHABILITATION APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA DRAWING TITLE: NPDES NOTES - SHEET 3 NDES NOTES - SHEET 3 ND	PROFESSIONAL SEAL BOLECT NAME: BOLECT NAME: BOLECT NAME: BOLECT NAME: BOLECT NAME: BOLECT NAME: BOLECOND DATE DESCRIPTION DES	GSWCC NO. 5746 EXPIRATION DATE 04/14/2021
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	PROJ. MGR.: JPK DESIGN BY: BCF DRAWN BY: BCF PROJ. DATE: FEB 2021 DRAWING NUMBER: 9 OF 25	PROJECT NAME: <b>APRON PAVEMENT AND DRAINAGE REHABILITATION</b> <b>APRON PAVEMENT AND DRAINAGE REHABILITATION</b> FOR THE JACKSON COUNTY AIRPORT (JCA) JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA DRAWING TITLE: NPDES NOTES - SHEET 3

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	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHEC
	INFRASTRUCTURE CONSTRUCTION PROJECTS SWCD: Oconee River SWCD
Project Name:	Apron Pavement & Drainage Rehab Address: 500 Sky Harbor Way, Jeffers
Name & e	email of person filling out checklist: Brad Fermanich - bfermanich@wkdick
Plan Included Page # Y/N	TO BE SHOWN ON ES&PC PLAN
10 Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the 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 rev
7 Y	2 Level II certification number issued by the Commission, signature and seal of the certified de (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the seal of the certified de seal
7 Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sediment
7 Y	4 Provide the name, address, email address, and phone number of primary permittee.
	5 Note total and disturbed acreage of the project or phase under construction.
	decimal degrees.
7 Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity wh
7 Y	8 Description of the nature of construction activity.
	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of spe
	wetlands, marshlands, etc. which may be affected.
6 Y	11 Design professional's certification statement and signature that the site was visited prior to dev Plan as stated on <b>Part IV page 21</b> of the permit
6 Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan pl
	and comprehensive system of BMPs and sampling to meet permit requirements as stated on
6 Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan prospective 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 initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 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
	buffers as measured from the point of wrested vegetation or within 25-feet of the coastal mars from the Jurisdictional Determination Line without first acquiring the necessary variances and
	16 Provide a description of any butter encroachments and indicate whether a butter variance is
	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 Section 404 permit." *
7 Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the in
	sediment control measures and practices prior to land disturbing activities."
	Plan does not provide for effective erosion control, additional erosion and sediment control m 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 day or temporary seeding."
7 Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or of and within the same watershed as, any portion of an Biota Impaired Stream Segment must permit. Include the completed Appendix 1 listing all the BMPs that will be used for those area to the Impaired Stream Segment.
7 Y	<ul> <li>23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segrabove) at least six months prior to submittal of NOI, the ES&amp;PC Plan must address any site-s</li> </ul>
7 Y	requirements included in the I MDL Implementation Plan.
	at the construction site is prohibited. *
	25 Frovide bivins for the remediation of all petroleum spills and leaks. 26 Description of the measures that will be installed during the construction process to control period.
	will occur after construction operations have been completed. *

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27 Description of practices to provide cover for building materials and building products on site. st

28 Description of the practices that will be used to reduce the pollutants in storm water discharges. \*

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).

- 30 Provide complete requirements of inspections and record keeping by the primary permittee.  $^{st}$
- 31 Provide complete requirements of sampling frequency and reporting of sampling results. \*
- 32 Provide complete details for retention of records as per Part IV.F. of the permit \*
- 33 Description of analytical methods to be used to collect and analyze the samples from each location. \*
- 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. \*

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. \*

#### 37 Graphic scale and North arrow.

38	Existing and proposed con	tour lines with contour lines drawn at an interval in acco	rdance with the following:
	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
  - 42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

43 Delineation and acreage of contributing drainage basins on the project site.

- 44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
- 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.
  - 48 The limits of disturbance for each phase of construction.

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.







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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	ALL EROSION AND SEDIMENT CONTROL DEVICES MOST 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	
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. :	SEE SHEETS 14 TO 16 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS, SEE SHEET 15 FOR DETAILS AND NOTES ON	Z
י ו ב. ל	Ds1 MULCHING, AND Ds3 PERMANENT SEEDING. SEE SHEET 14 FOR EROSION CONTROL BMP LEGEND.	
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OPSO	DILING, STRIPPING, AND DEMOLITION NOTES	L H L
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HASF	1 SEQUENCE OF CONSTRUCTION ACTIVITY:	<b>N</b>
ے۔ ا	INSTALL TEMPORARY CONSTRUCTION EXIT Co.	Ц Ц
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. I	TRAP Sd2-F. REMOVE EXISTING SITE FEATURES AS INDICATED ON THE DEMOLITION	F
   	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	ME

ON SHEET 4. 7. PLACE Ds1 TEMPORARY MULCH ON ALL DISTURBED AREAS WITHIN 14 DAYS OF DISTURBANCE.

8. MAINTAIN ALL EROSION CONTROL BMPS AND CLEAN-OUT SEDIMENT FROM SEDIMENT STORAGE DEVICES AS NECESSARY AND AS PER CLEAN-OUT REQUIREMENTS ON SHEET 16.

PROJECT NAME: APRON PAVEMENT AND DRAINAGE REHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA JRAWING TITLE:	BEVISION RECORD	PROFESSIONAL SEAL	2120 POWERS FERRY R SUITE 100, ATLANTA, GA (t)770-955-5574 (f)770-955-0338 WWW.WKDICKSON.CO GSWCC NO. 5746 EXPIRATION DATE 04/14/2	<b>DICKSC</b> community infrastructure cons
1P LOCATION PLAN PHASE 1 - CLEARING & GRUBBING			OAD 30339 DM	DN

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1.	TOTAL DISTURBED AREA = 2.97 ACRES PHASE 2 DISTURBED AREA = 2.97 ACRES		JECOI	
Ζ.	STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (GREEN BOOK) LATEST			
3.	VERSION. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED PRIOR TO ANY LAND DISTURBANCE OR GRADING ON		REVIS	
4.	SITE. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5 TO 1 AND WITH HEIGHT OF TEN FEET OF CREATER, AND CUTS AND			
	FILLS WITH HEIGHT OF TEN FEET OK GREATER, AND COTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.			
5.	WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF			
6.	SEEDING. MULCH WILL BE USED AS A TEMPORARY COVER (DS1). ON SLOPES			
7.	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			
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	ACCORDANCE WITH PROFESSIONAL STANDARDS AND PRACTICES FOR STRUCTURES OF THIS TYPE. THE MEASURES SHOWN ARE			5
	RECOMMENDATIONS BASED ON THE INFORMATION PROVIDED. IF AT ANY TIME THESE MEASURES ARE JUDGED TO BE INADEQUATE TO			
	BE PROVIDED TO INSURE PROPER CONTROL. THE GRADING AND/OR GENERAL CONTRACTOR IS LIRGED 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.			
9.	SEE SHEETS 14 TO 16 FOR EROSION CONTROL DETAILS AND SEDIMENT STORAGE CALCULATIONS. SEE SHEET 15 FOR DETAILS AND NOTES ON Do1 MULCHING, AND Do3 REPMANENT SEEDING			
10.	SEE SHEET 14 FOR EROSION CONTROL BMP LEGEND.			H H H Z A H C C C C C C C C C C C C C C C C C C
PHAS	SE 2 SEQUENCE OF CONSTRUCTION ACTIVITY:	Z		
1. 2.	GRADE SITE AND INSTALL PROPOSED STORM DRAINAGE NETWORK. INSTALL TEMPORARY STONE CHECK DAMS Cd-S, TEMPORARY INLET SEDIMENT TRAPS Sd2-F. TEMPORARY SLOTTED BOARD DAM WITH	ŬĬ		
	STONE RETROFIT Rt-B, TEMPORARY FILTER SOCK DITCH CHECKS Sd1, PERMANENT OUTLET STABILIZATION St, AND SLOPE STABILIZATION Ss	3UC		
3.	AS INDICATED. TEMPORARY Rt-B #2 SLOTTED BOARD DAM WITH STONE RETROFIT TO	STF		ACK
	BE REMOVED FROM ITS LOCATION AS SHOWN ON PHASE 1 EROSION CONTROL PLAN (SEE SHEET 11) AFTER EXISTING FES STRUCTURE IS	NO		
	SHOWN ON THIS PLAN IMMEDIATELY AFTER INSTALLED IN NEW LOCATION AS PROPOSED STORM STRUCTURE A6, PAYMENT FOR REMOVAL AND	Ŭ		2
	RELOCATION OF RT-B #2 SHALL BE INCIDENTAL TO THE C-102 SPECIFICATION PAY ITEM FOR "TEMPORARY SLOTTED BOARD DAM	Ц О Ц		ζ
	WITH STONE RETROFIT, INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL".	<b>Ľ</b>     <b>上</b>	PROJ	
4.	IEMPORARY FILTER SOCK DITCH CHECKS TO BE REMOVED FROM INITIAL PHASE LOCATIONS ON SHEET 11 AND RELOCATED TO INTERMEDIATE LOCATIONS SHOWN ON THIS SHEET AS PROPOSED	N N N		
	DITCH GRADING REACHES FINAL GRADE. ALL COSTS ASSOCIATED WITH REMOVAL AND RELOCATION OF DITCH CHECKS IS INCIDENTAL TO THE	<u> </u>		I. MGR.: GN BY:
_	C-102 SPECIFICATION PAY ITEM FOR "TEMPORARY COMPOST FILTER SOCK, INCLUDING INSTALLATION, MAINTENANCE, AND REMOVAL".	Z Ш	DRAV PROJ	VN BY: I. DATE:
5. 6	PAVE ALL PROPOSED ASPHALT AREAS AFTER SITE HAS BEEN GRADED AND PROPOSED STORM DRAINAGE NETWORK IS INSTALLED. PLACE DS1 MULICH AND TSC TACKIELERS ON ALL DISTURBED AREAS IN	N N	DRAV	
υ.	AREA IS NOT PERMANENTLY SEEDED WITHIN 14 DAYS OF DISTURBANCE.	0 0		120
7.	MAINTAIN ALL EROSION CONTROL BMPS AND CLEAN-OUT SEDIMENT	١Ă		PROJ. N

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.

Image: Second condition of the second condition	REVISION RECORD         Image: Second condition         Image: Second condition		ME:	PRON PAVEMENT AND DRAINAGE REHABILITATION	FOR THE	JACKSON COUNTY AIRPORT (JCA)	CITY OF JEFFERSON, GEORGIA		VEGETATION
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50 0 50 100 SCALE: 1" = 50'		Community infrastructure consultants Community infrastructure consultants CARAGE SERRY ROAD SUITE 100, ATLANTA, GA 303390 (1)770-955-5574 (1)770-955-0338 WWW.WKDICKSON.COM MWW.WKDICKSON.COM GSWCC NO. 5746 EXPIRATION DATE 04/14/2021
NGER ROAD		
		REVISION RECORD
DIMENT / EROSION CONTROL NOTES TOTAL DISTURBED AREA = 2.97 ACRES PHASE 3 DISTURBED AREA = 2.97 ACRES EROSION CONTROL PRACTICES MUST COMPLY WITH THE		DATE
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.		T (JCA) RGIA ENT VEGETATION &
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.	<b>DT FOR CONSTRUCTION</b>	PROJECT NAME: APRON PAVEMENT AND DRAINAGE R FOR THE JACKSON COUNTY AIRPORT JACKSON COUNTY AIRPORT CITY OF JEFFERSON, GEOI CITY OF JEFFERSON, GEOI DRAWING TITLE: BMP LOCATION PLAN PHASE 3 - PERMANI BMP LOCATION PLAN PHASE 3 - PERMANI STABILIZATION STABILIZATION
ASE 3 SEQUENCE OF CONSTRUCTION ACTIVITY: PLACE Ds3 PERMANENT GRASSING ON ALL DISTURBED AREAS AS SOON AS FINISHED GRADE HAS BEEN ACHIEVED. MAINTAIN ALL EROSION CONTROL BMPS AND CLEAN-OUT SEDIMENT FROM SEDIMENT STORAGE DEVICES AS NECESSARY AND AS PER CLEAN-OUT REQUIREMENTS ON SHEET 16 UNTIL ALL DISTURBED AREAS HAVE ACHIEVED FULL STABILIZATION. ONCE ALL DISTURBED AREAS HAVE ACHIEVED FULL STABILIZATION, CONTRACTOR TO REMOVE Sd2-F INLET SEDIMENT TRAPS, Cd-S STONE CHECK DAMS, Rt-B RETROFITS, AND Co CONSTRUCTION EXIT. CONTRACTOR TO CUT OPEN ALL Sd1 COMPOST FILTER SOCK, SPREAD	DOCUMENT - NO	PROJ. MGR.: JPK DESIGN BY: BCF DRAWN BY: BCF PROJ. DATE: FEB 2021 DRAWING NUMBER: <b>13 OF 25</b> WKD PROJ. NO.:

# GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

DESCRIPTION

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

## STRUCTURAL PRACTICES

CODE PRACTICE DETAIL MAP

Cd	CHECKDAM		J	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION		TT	Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		(LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		Cr	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		On1 (LABEL)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE		Dn2 (LABEL)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING	I		A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION		A A	Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		Gr	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LE VEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		Re	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING		(LABEL)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		(NDICATE TYPE)	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.
Sd2	INLET SEDIMENT TRAP	v v v v v v v v v v v v v v v v v v v		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN		(LABEL)	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER		Sk (LABEL)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM		Spb (LABEL)	Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

# STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	SYMBOL	
Sr	TEMPORARY STREAM CROSSING		Sr (LABEL)	A temporary structure pro from damag equipment.
St	STORMDRAIN OUTLET PROTECTION		SI)	A paved or s at the outlet preventing er runoff.
Su	SURFACE ROUGHENING		HSUH	A rough soil depressions roughened co
Tc	TURBIDITY CURTAIN		Te	A floating or the water (it floating boon
Тр	TOPSOILING		(SHOW STRIPING AND STORAGE AREAS)	The practice soil, storing disturbed are construction
Tr		$\bigcirc$	(DENOTE TREE CENTERS)	To protect d construction
Wt	VEGE TATED WATERWAY OR STORMWATER CONVEYANCE		<b></b>	Paved or veg diversions, te structures.

## **VEGETATIVE PRACTICES**

CODE	PRACTICE	DETAIL	MAP SYMBOL	
Bf	BUFFER ZONE		Bf (LABEL)	Strip of undi- enhanced or the reestablis an area of d
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	Job Contraction of the states	Cs	Planting vege artificially cor
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing t disturbed are a suitable gro erosion retard
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing c with fast gro areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Ds3	Establishing c such as trees legumes on c
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent highly erodab
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling su dust on cons similar sites.
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance fo solids/liquid s particles in s
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of r materials to streambanks, repair small
Ss	SLOPE STABILIZATION		Ss	A protective and establish vegetation or channels.
Tac	TACKIFIERS AND BINDERS		Тас	Substance us mulch by cau bind together

![](_page_13_Figure_9.jpeg)

readily available native plant maintain and enhance s, or to prevent, or restore and streambank erosion problems.
covering used to prevent erosion h temporary or permanent on steep slopes, shore lines, or
used to anchor straw or hay ausing the organic material to er.
GaSWCC (Amended — 2013)

	St Storm Drain Rip Rap Outlet Protection Chart							
St #	Outlet Pipe Diam. "Do" (in)	Avg. Stone Diam. "d50" (ft)	Length "La" (ft)	Outlet Pipe Full Flow "Q" (cfs)	Outlet Pipe Velocity "V" (fps)	Stone Depth "D" (ft)	Width at the Headwall "W <sub>1</sub> " (ft)	Downstrean Width "W <sub>2</sub> " (ft)
2	18	0.5	10	5.09	3.40	1.125	4.5	11.5

Tailwater

Condition

Tw<0.5 Diameter

![](_page_13_Figure_12.jpeg)

DEFINITION: THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION DEFINITION: A TEMPORARY COVER OF PLANT RESIDUES APPLIED TO THE SOIL SURFACE SHALL BE USED TO ACHIEVE FINAL STABILIZATION. REQUIREMENT FOR REGULATORY COMPLIANCE: THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED FOR A PERIOD OF SIX MONTHS OR LESS WHEN SEEDING IS NOT PRACTICAL. AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE OR SODDING SHALL BE REQUIREMENT FOR REGULATORY COMPLIANCE: APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL COVERED BY PERMANENT STRUCTURES, AT LEAST 70 % OR THE SOIL SURFACE IS UNIFORMLY COVERED IN DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% GABIONS, PERMANENT MULCHES, OR GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON A 70 % COVERAGE BY PERENNIAL VEGETATION EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. FOR LINEAR SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS. CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED. STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE. UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES MULCHING MATERIALS: ARE OPERATIONAL, INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENTATION CONTROL 1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES MEASURES SHALL NOT BE REMOVED. PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS PERMANENT PLANT S EASY APPLICATION. 2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 SPECIES TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF BAHIA, PENSACOLA ALONE OR WITH DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS. TEMPORARY COVER WITH OTHER PERENNIALS 3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER BAHIA, WILMINGTON ALONE OR WITH ACRE (OR  $\frac{1}{4}$  GALLON PER SQ. YD.). 4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCK PILED SOIL TEMPORARY COVER WITH OTHER PERENNIALS MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED BERMUDA, COMMON (HULLED SEED) AND RE-USED. ALONE WITH OTHER PERENNIALS BERMUDA, COMMON (UNHULLED SEED) WITH TEMPORARY COVER WITH OTHER PERENNIALS MULCHING APPLICATION REQUIREMENTS BERMUDA, SPRIGS COMMON LAWN AND FORAGE HYBRIDS IDEPTH MATERIAL RATE CROWN VETCH WITH WINTER ANNUALS STRAW OR HAY 2 1/2 TON/ACRE | 2" TO 4" OR COOL SEASON GRASSES WOOD WASTE, CHIPS, FESCUE, TALL TO 9 TON/ACRE 2" TO 3" SAWDUST, BARK WITH OTHER PERENNIALS 1200 GAL./ACRE LESPEDEZA, SERICEA CUTBACK ASPHALT 1/4 GAL./SQ.YD SCARIFIED POLYETHYLENE FILM SECURE WITH SOI ANCHORS, WEIGHT UNSCARIFIED GEOTEXTILES, JUTE SEE SEED-BEARING HAY MANUFACTURER'S MATTING, NETTING, ETC. RECOMMENDATIONS LESPEDEZA, AMBRO VIRGATA OR APPALOW SCARIFIED DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) Ds1 UNSCARIFIED LESPEDEZA, SHRUB (LESPEDEZA BICOLOR OR LESPEDEZA THUMBERGII) PLANTS. LOVE GRASS, WEEPING WITH OTHER PERENNIALS AIDENCANE SPRIGS PANICGRASS, ATLANTIC REED CANARY GRASS WITH OTHER PERENNIALS LOWER, AZTEC MAXIMILLIAN 1. RATES FOR BROADCASTED SEED. IF A SEED DRILL IS USED. REDUCE THE RATE BY ONE-HALF 2. PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO THE GLOSSARY FOR AN EXPLANATION OF THIS TERM. 3. REGIONS ARE DEFINED IN THE " MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA." FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION TYPES OR SPECIES COOL SEASON GRASSES COOL SEASON GRASSES & LEGUMES WARM SEASON GRASSES WARM SEASON GRASSES & LEGUMES | MAIN IENANCE | U-10-10 \*AGRICULTURAL LIME IS REQUIRED AT THE RATE OF 1 TO 2 TONS PER ACRE UNLESS SOIL TEST INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN 6 MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. PERMANENT SEEDING SCHEDULE SEASON DATES VEGETATIVE PLAN: MAY SUMMER AUG. SEED: COMMON BERMUDA AT 10 LB/AC, AND ANNUAL RYE GRASS AT 40 LB/AC. AUG. FERTILIZER: 6-12-12 AT 1,500 LB/AC NOV. COOL MAR. LIME: 1-2 TONS/AC, BASED ON SOIL TEST MAY MULCH: 2 TONS/AC OCT. WINTER MAR. (UNHULLED SEED) COVER SEEDED AREAS WITH LIGHT LAYER OF WHEATSTRAW MULCH (2TONS/ACRE). CONTRACTOR TO PROTECT ALL DISTURBED AREAS BY TEMPORARY RESEEDING UNTIL PERMANENT GROUND COVER IS ESTABLISHED A MAXIMUM OF 3 WEEKS AFTER GRADING OPERATIONS ARE COMPLETE IN AREAS. SIDE SLOPES SHALL BE HYDROSEEDED IN ACCORDANCE WITH SECTION 700 - GRASSING OF THE DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD SPECIFICATIONS CONSTRUCTION OF ROADS AND BRIDGES 2001 EDITION OR GA. D.O.T. QPL-25 LIST. DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) Ds3

SPECIES,	SEEDING	RATES,	AND	PLANTING	DATES	

RATES PER RATES PER		PLANTING DATES BY REGION				
ACRE	1,000 sq. ft.	M – L	Р	С	REMARKS	
) Lbs.	1.4 Lbs.	-	4/1-5/31	3/1-5/31	LOW GROWING; SOD PRODUCING; WILL SPREAD INTO BERMUDA LAWNS.	
) Lbs.	1.4 Lbs.	3/15-5/31	3/1-5/31	_	SAME AS ABOVE.	
Lbs.	0.2 Lbs.	_	4/1-5/31	3/1-5/31	QUICK COVER; LOW GROWING; SOD FORMING; NEEDS FULL SUN.	
Lbs.	0.2 Lbs. 0.1 Lbs.	_	10/15-2/28	11/1-1/31	PLANT WITH WNTER ANNUALS. PLANT WITH TALL FESCUE.	
) cu. ft. SOD PLUGS	0.9 cu. ft. S 3' X 3'	4/15-6/15	4/1-6/15	4/1-5/31	1 cu. ft. = 650 SPRIGS 1 bu. = 1.25 cu. ft. OR 800 SPRIGS.	
Lbs.	0.3 Lbs.	9/1–10/15	10/15-2/28	-	MIX WITH 30 Lbs. TALL FESCUE OR 15 Lbs. RYE; INOCULATE SEED; PLANT ONLY NORTH OF ATLANTA.	
) Lbs. ) Lbs.	1.1 Lbs. 0.7 Lbs.	3/1-4/1 OR 8/15-9/30	8/15-10/15 OR 2/15-4/15	-	MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH; NOT FOR DROUGHTY SOILS OR HEAVY USE AREAS.	
) Lbs.	1.4 Lbs.	4/1-5/31	3/15-5/31	3/1-5/15	WDELY ADAPTED AND LOW MAINTENANCE; TAKES 2-3 YEARS TO ESTABLISH; INOCULATE SEED WITH EL INOCULATE; MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA OR TALL FESCUE.	
i Lbs.	1.7 Lbs.	9/1-2/28	9/1-2/28	9/1-2/28	MIX WITH TALL FESCUE OR WINTER	
TONS	138 Lbs.	10/1-2/1	10/1-2/28	9/15–1/15	UT WHEN SEED IS MATURE BUT BEFORE IT SHATTERS. ADD TALL FESCUE OF WINTER ANNUALS.	
) Lbs.	1.4 Lbs. 1.7 Lbs.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/1-5/15 9/1-2/28	SPREADING GROWTH WITH HEIGHT OF 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.	
3' X 3'	SPACING	11/1-3/31	11/1-3/31	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.	
Lbs. Lbs.	0.1 Lbs. 0.05 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.	
2' X 3'	SPACING	2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHORELINES. DIG SPRIGS LOCALLY.	
) Lbs.	0.5 Lbs.	-	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES; MIX WITH SERICEA LESPEDEZA BUT NOT ON SAND DUNES.	
) Lbs. ) Lbs.	1.1 Lbs. 0.7 Lbs.	4/1-5/31	3/15-5/31	3/1-5/31	GROWS SIMILAR TO TALL FESCUE; FOR WET SITES.	
Lbs.	0.2 Lbs.	4/15-5/31	4/15-5/31	4/15-5/31	MIX WITH WEEPING LOVEGRASS OR OTHER LOW GROWING GRASSES OR LEGUMES.	

			-
PLANTING YEAR	FERTILIZER (N-P-K)	RATES (LBS./ACRE)	N TOP DRESSING RATE (LBS/ACRE)
FIRST	6-12-12	1500	50-100
SECOND	6-12-12	1000	-
MAINTENANCE	10-10-10	400	30
FIRST	6-12-12	1500	0-50
SECOND	0-10-10	1000	-
MAINTENANCE	0-10-10	400	-
FIRST	6-12-12	1500	50-100
SECOND	6-12-12	800	50-100
MAINTENANCE	10-10-10	400	30
FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 1000 400	

5	GRASS	(LBS./ACRE)	
15 — 15	BERMUDA, COMMON (HULLED SEED)	10	
16 - 1 15 - 14	FESCUE (KY 31, TALL)	50	
1 — 14	BERMUDA, COMMON	10	

![](_page_14_Figure_5.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_15_Figure_2.jpeg)

T Rt	EXCAVATED INLET SEDIMENT TRAP Sd2			
_ATIONS HEET)	(SEE CALCULATIONS ON THIS SHEET)			
TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)		
243	1	39		

![](_page_16_Figure_0.jpeg)

![](_page_17_Figure_0.jpeg)

EXPIRATION DATE 04/14/2021 PROFESSIONAL SEAL S REHABIL T (JCA) RGIA S IRPORT N, GEOR DRAINAGE | )R THE Ο AIR ON, ш ≻ ທ UNT AND DR ŌЩ AVEMENT ORM NO NO IACKS ST  $\overline{O}$ Δ PRON

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GSWCC NO. 5746

# FOR CONSTRUCTION NOT DOCUMENT

BID

PROJ. MGR.: JPK

DESIGN BY: BCF

DRAWN BY: BCF

DRAWING NUMBER:

WKD PROJ. NO.:

PROJ. DATE: FEB 2021

18 OF 25

20190358.00.AT

![](_page_18_Figure_0.jpeg)

		PIPE	E SC
	24"Ø 16G	A ALT2 2	2/3
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRA AT O
<b>*</b> 1-J	20'-0"	5 3/4"	
1-K	20'-0"	7"	
1-L	20'-0"	8 1/4"	
1-M	20'-0"	9 1/2"	
1-N	20'-0"	10 5/8"	
1-P	20'-0"	11 7/8"	
1-Q	20'-0"	13 1/8"	
1-R	12'-0"	14 1/4"	
*	BULKHEAD		24"Ø
QTY	1		
QTY	8		

![](_page_18_Figure_11.jpeg)

![](_page_19_Figure_0.jpeg)

		PIPE	E SC
	24"Ø 16G	A ALT2 2	2/3
PIPE #	PIPE LENGTH	GRATE HEIGHT AT INLET (H1)	GRAT AT OL
<b>*</b> 3-J	20'-0"	6 1/8"	7
3-K	20'-0"	7 3/8"	8
3-L	20'-0"	8 5/8"	ę
3-M	20'-0"	9 7/8"	
3-N	20'-0"	11"	1:
3-P	20'-0"	12 1/4"	1:
3-Q	20'-0"	13 1/2"	14
3-R	19'-0"	14 3/4"	1:
*	BULKHEAD		24"Ø
QTY	1		
QTY	8		

6.) CMP IS SUBJECT TO MANUFACTURERS TOLERANCES.

BID

20190358.00.AT

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_22_Figure_1.jpeg)

CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH JACKSON COUNTY EMC FOR THE REMOVAL AND RELOCATION OF ALL EXISTING ELECTRICAL UTILITIES NECESSARY FOR CONSTRUCTION, INCLUDING BOXES, TRANSFORMERS, CABLING (ABOVE GROUND AND/OR BELOW GROUND) AND ASSOCIATED APPURTENANCES EITHER SHOWN OR NOT SHOWN ON THIS PLAN PRIOR TO START OF CONSTRUCTION. THIS WORK IS INCIDENTAL TO "REMOVE/RELOCATE EXISTING UNDERGROUND ELECTRICAL UTILITIES & TRANSFORMERS (JACKSON EMC)" PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

PAVEMENT & MARKING LAYOUT TABLE				
Point ID	Northing	Easting		
1	1518032.51	2480958.79		
2	1518088.39	2480943.69		
3	1518004.77	2480622.05		
4	1518058.74	2480607.05		
5	1518146.35	2480927.65		
6	1518210.21	2480908.82		
7	1518123.85	2480588.24		
8	1518176.96	2480573.94		
9	1518263.32	2480894.51		
10	1518339.27	2480873.84		
11	1518256.35	2480566.57		
12	1518302.69	2480554.06		
13	1518385.80	2480861.28		
14	1518462.01	2480841.23		
15	1518366.93	2480488.90		
16	1518284.41	2480513.37		
17	1518261.41	2480511.35		
18	1518249.65	2480514.52		
19	1518244.20	2480515.56		
20	1518185.28	2480522.40		
21	1518177.85	2480523.72		
22	1518172.04	2480513.96		
23	1518143.19	2480523.66		
24	1518145.80	2480533.29		
25	1518086.63	2480551.17		
26	1518083.13	2480552.04		
27	1518011.50	2480566.36		
28	1518006.04	2480567.88		
29	1517991.21	2480573.27		
30	1517931.90	2480590.03		
31	1518323.41	2480548.49		
32	1518315.72	2480531.39		
33	1518268.65	2480536.32		
34	1518231.44	2480549.95		
35	1518233.57	2480572.72		
36	1518194.80	2480569.13		
37	1518189.05	2480556.33		
38	1518145.15	2480561.62		
39	1518107.43	2480579.95		
40	1518108.78	2480592.30		
41	1518072.42	2480603.25		
42	1518066.17	2480589.47		
43	1518026.74	2480591.23		
44	1517988.45	2480607.34		
45	1517990.51	2480626.01		
46	1518000.96	2480623.07		

![](_page_22_Figure_4.jpeg)

![](_page_23_Figure_0.jpeg)

ASPHALT ENT				
H EXISTING RETE SURF SEALANT. R ACE. (SEE CO	GRADE. CLEAN EXISTING ACE PRIOR TO APPLICATION OF RE-SEAL JOINT & TACK EXISTING ONSTRUCTION JOINT DETAIL 7/24)	2 SU	120 POWERS FER ITE 100, ATLANTA	e consultants RY ROAD , GA 30339
	- FINISHED GRADE		(f)770-955-03	DN.COM
			GSWCC NO. 5 EXPIRATION DATE 0	746 4/14/2021
TON JOINT T TE PAVEME OTTED DRAII N JOINT IS IN EPARATE PA	O BE PLACED EVERYWHERE PROPOSED NT ALONG THE EXISTING HANGAR N CONCRETE PAVEMENT. NCIDENTAL TO GDOT 402 SPECIFICATION AYMENT SHALL BE MADE.			
/ ASPH/ TION JC SCALE	ALT DINT			
SEALANT BELOW S	MATERIAL 1/4" - 3/8" URFACE FINISHED GRADE	REVISION RECORD		DESCRIPTION
TRUCTION JO RETE/ASPHA	DINT BETWEEN ALT PAVEMENT			
ED ASPHALT IT		-		<u>     </u>
ON JOIN TO SCALE	IT DETAIL			NO.
RED PAVE DOT 402	EMENT (ALL SECTIONS) BITUMINOUS SURFACE COURSE, 3" THICK, PLACED IN TWO 1.5" LIFTS	PROJECT NAME:	APHON PAVEMENT AND UHAINAGE HEHABILITATION FOR THE JACKSON COUNTY AIRPORT (JCA) CITY OF JEFFERSON, GEORGIA	DRAWING TITLE: PAVING DETAILS
A P-209	CRUSHED AGGREGATE BASE COURSE, 6" THICK	- L PRO DES DBA	J. MGR.: JPK IGN BY: BCF WN BY: BCF	
Δ D_602			J. DATE: FEE WING NUMBER	3 2021
A P-152	COMPACTED SUBGRADE UNDER PAVEMENT, MINIMUM 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557)	BID DOCUI	<b>24 OF</b> d proj. no.: 20190358.0	25 00.AT

![](_page_24_Figure_0.jpeg)

![](_page_24_Figure_1.jpeg)