CONSTRUCTION PLANS

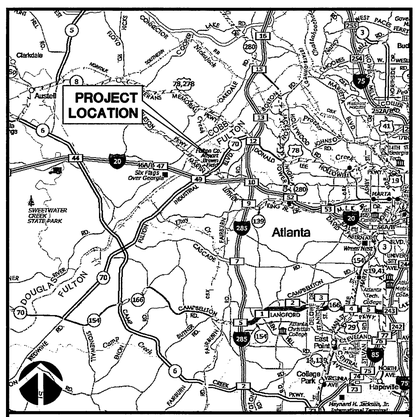
FOR

OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

FAA AIP PROJECT NO. 3-XX-XXXX-XXX-2013
GDOT PROJECT NO. APXXX-XXXX-XX(121), FULTON

AT

FULTON COUNTY AIRPORT - BROWN FIELD



Vicinity Map

3952 AVIATION CIRCLE NW
ATLANTA, GA 30336
(404) 699-4200

FULTON COUNTY

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GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27520 11/18/13 QUINTIN B. WATKINS

PREPARED FOR

FULTON COUNTY BOARD OF COMMISSIONERS

OCTOBER, 2013

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

SET NO. _____

GENERAL NOTES

SAFETY AND SECURITY

S–1. THE CONTRACTOR WILL OBTAIN, HAVE KNOWLEDGE OF, AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT:

* OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION – AC 150/5370–2F
* AIRPORT SAFETY SELF–INSPECTION – AC 150/5200–18C.
* PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AIRPORT – AC 150/5210–5D.

S–2. CONTRACTORS SHALL MAINTAIN RADIO COMMUNICATION WITH AIRPORT GROUND CONTROL AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL HAVE WORKING RADIO(S) ON–SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL ASSIGN RESPONSIBLE PERSONNEL TO CONTINUOUSLY MONITOR THE GROUND CONTROL FREQUENCY (121.7 MHz). PROVIDE A RADIO AT EACH SEPARATE WORK LOCATION.

S–3. NOTICE TO AIRMEN (NOTAMS) – THE CONTRACTOR SHALL SCHEDULE AND PROVIDE THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS SO THAT OWNER CAN ADVISE THE FLIGHT SERVICE STATION AND ISSUE NOTAM(S) IN ACCORDANCE WITH ESTABLISHED CRITERIA NO LESS THAN 72 HOURS PRIOR TO OPERATION BEGINNING. 1

S–4. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE PROJECT ACCESS GATES. CONTRACTOR WILL BE RESPONSIBLE FOR SECURITY OF ALL GATES IN ACCORDANCE WITH THE AIRPORT'S APPROVED SECURITY PROGRAM.

S–5. CONTRACTOR SHALL UTILIZE EXISTING GATES AS TEMPORARY ACCESS FOR THE CONSTRUCTION ENTRANCE. THE CONTRACTOR SHALL MAN THESE GATES WITH PERSONNEL OR LOCK GATES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND SHALL LOCK THESE GATES DURING NON–CONSTRUCTION HOURS. THE SECURITY GUARD SHALL HAVE A CELL PHONE AND OPERATIONAL RADIO. THE GUARD'S DUTIES SHALL INCLUDE MONITORING TRAFFIC IN AND OUT OF THE GATE AND PREVENTING UNAUTHORIZED PERSONNEL FROM ENTERING THE SECURITY AREA.

S–6. AREAS OUTSIDE THE PROJECT LIMITS ARE DESIGNATED AS RESTRICTED AREAS. THE CONTRACTOR'S FORCES ARE PROHIBITED FROM ENTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER OR AIRPORT OWNER. NO CONSTRUCTION MAY OCCUR WITHIN A SAFETY AREA WHILE THE ASSOCIATED RUNWAY OR TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS.

S–7. ALL VEHICLES USED ON THE AIRFIELD SHALL MEET AIRPORT REQUIREMENTS FOR MARKING AND LIGHTING.

S–8. FOR ADDITIONAL SAFETY AND SECURITY REQUIREMENTS, SEE SPECIFICATIONS. (SECTION 01030)

S–9. OPEN TRENCHES OR EXCAVATIONS ARE NOT PERMITTED WITHIN THE RSA OR TSA WHILE THE RUNWAY OR TAXIWAY IS OPEN. IF POSSIBLE, BACKFILL TRENCHES BEFORE THE RUNWAY OR TAXIWAY IS OPENED. IF THE RUNWAY OR TAXIWAY MUST BE OPENED BEFORE EXCAVATIONS ARE BACKFILLED, COVER THE EXCAVATIONS APPROPRIATELY. COVERING FOR OPEN TRENCHES MUST BE DESIGNED TO ALLOW THE SAFE OPERATION OF THE HEAVIEST AIRCRAFT OPERATING ON THE RUNWAY OR TAXIWAY ACROSS THE TRENCH WITHOUT DAMAGE TO THE AIRCRAFT.

S–10. THE CONTRACTOR SHALL PROMINENTLY MARK OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE WITH RED OR ORANGE FLAGS, AS APPROVED BY THE ENGINEER, AND LIGHT THEM WITH RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.

S–11. SOIL EROSION MUST BE CONTROLLED TO MAINTAIN SAFETY AREA STANDARDS. THE SAFETY AREAS MUST BE CLEARED AND GRADED AND HAVE NO POTENTIALLY HAZARDOUS RUTS, HUMPS, DEPRESSIONS, OR OTHER SURFACE VARIATIONS, AND CAPABLE, UNDER DRY CONDITIONS, OF SUPPORTING SNOW REMOVAL EQUIPMENT, AIRCRAFT RESCUE AND FIRE FIGHTING EQUIPMENT, AND THE OCCASIONAL PASSAGE OF AIRCRAFT WITHOUT CAUSING STRUCTURAL DAMAGE TO THE AIRCRAFT.

HAUL ROUTES, STAGING AREAS AND CONSTRUCTION ACTIVITIES

C–1. THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION OPERATIONS AS SHOWN ON THE PROJECT LAYOUT AND SAFETY PLAN AND HIS APPROVED PHASING PLAN. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE ENGINEER TO MINIMIZE DISRUPTION TO AIRPORT OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE COMPLIANCE WITH SAFETY REQUIREMENTS AND TO MINIMIZE INTERFERENCE TO AIRCRAFT OPERATIONS DURING CONSTRUCTION.

C–2. THE CONTRACTOR'S STAGING AREA AND HAUL ROUTES SHOWN ON THE PLANS ARE GENERAL AND FOR INFORMATION PURPOSES ONLY. THE ACTUAL SIZE AND LOCATION OF STAGING AREAS AND HAUL ROUTES WILL BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

C–3. ALL EXISTING GRASSED AREAS WHICH ARE DISTURBED AS PART OF THE CONTRACTOR'S ACCESS ROAD, CONTRACTOR'S STAGING AREA, AND HAUL ROUTES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AFTER COMPLETION OF THE PROJECT. IN ADDITION, ALL EXISTING ROADS, APRONS AND TAXIWAYS THAT WILL BE USED AS THE CONTRACTOR'S HAUL ROUTE SHALL BE MAINTAINED DURING CONSTRUCTION AND RESTORED TO THEIR PRE–CONSTRUCTION CONDITION. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS ITEM.

C–4. EXCEPT WHERE DESIGNATED ON PLANS OR AS AUTHORIZED BY ENGINEER, CONTRACTOR WILL NOT BE ALLOWED TO USE ANY OF THE EXISTING RUNWAYS, TAXIWAYS, OR RAMPS AS PART OF THE HAUL ROAD.

C–5. ACTIVE TAXIWAYS, RUNWAYS, AND RAMPS SHALL BE KEPT FREE OF ALL DEBRIS, DIRT, ETC., AT ALL TIMES. ANY SPILLAGE OF SOIL, DEBRIS OR OTHER MATERIALS SHALL BE CLEANED UP IMMEDIATELY USING APPROPRIATE POWER SWEEPERS, BLOWERS OR OTHER APPROVED EQUIPMENT, BY THE CONTRACTOR AFTER PROMPT NOTIFICATION BY THE ENGINEER OR AIRPORT OWNER. DUST GENERATED DUE TO CONSTRUCTION ACTIVITIES SHALL BE ADEQUATELY CONTROLLED AT ALL TIMES. A PROGRAM OF REGULAR RUNWAY AND TAXIWAY INSPECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR, AND COORDINATED WITH THE AIRPORT OWNER, AND THE ENGINEER.

C–6. ALL EQUIPMENT MUST BE RETURNED TO THE STAGING AREA AT THE END OF EACH WORK DAY AND WHEN NOT ENGAGED IN THE CONSTRUCTION DURING NON–WORKING DAYS AND NIGHTS. OWNER WILL DESIGNATE AREAS FOR CONTRACTOR'S EMPLOYEES AUTO PARKING.

C–7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ALL PERMANENT AND TEMPORARY UTILITY CONNECTIONS TO THE STAGING AREA.

C–8. CONTRACTOR SHALL MAINTAIN ALL AIRFIELD SAFETY DEVICES SUCH AS STAKED LIMIT LINES, FOR THE DURATION OF THE PROJECT AS REQUIRED. DAMAGED STAKES OR FLAGGING SHALL BE REPLACED IMMEDIATELY. CONTRACTOR TO SUBMIT PLAN SHOWING LOCATION OF LIMIT LINES FOR EACH PHASE AND FOR PROJECT DURATION TO THE ENGINEER FOR APPROVAL.

C–9. BURNING OF DEBRIS WILL NOT BE ALLOWED ON AIRPORT PROPERTY.

C–10. CONTRACTOR SHALL CONTROL DUST AT AN ACCEPTABLE LEVEL. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A WATER TRUCK AT THE PROJECT SITE DURING HAULING OPERATIONS. IF ONE WATER TRUCK IS INADEQUATE TO CONTROL DUST PROPERLY, THE CONTRACTOR SHALL FURNISH THE PROPER NUMBER OF TRUCKS OR OTHER SUITABLE MEANS TO ACCOMPLISH THIS ITEM.

C–11. CONTRACTOR SHALL BE REQUIRED TO MOVE MEN AND EQUIPMENT OUTSIDE TAXIWAY AND RUNWAY SAFETY AREAS AS REQUIRED FOR AIRCRAFT OPERATIONS.

C–12. ALL LIGHTS, SIGNS AND CIRCUITS ARE TO BE TESTED "DAILY" PRIOR TO CONTRACTOR LEAVING SITE TO ENSURE ALL ITEMS ARE DEEMED TO BE IN PROPER WORKING ORDER. ALL RUNWAY AND TAXIWAY CIRCUITS SHALL BE OPERATIONAL PRIOR TO THE CONTRACTOR LEAVING SITE EACH DAY.

C–13. CONTRACTOR MUST COORDINATE WITH OWNER AND OTHERS INVOLVED WITH ALL CONSTRUCTION PROJECTS AT THE AIRPORT.

C–14. CONTRACTOR IS SOLEY RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THE PROJECT PRIOR TO ANY CONSTRUCTION ACTIVITIES.

EXISTING CONDITIONS/UNDERGROUND AND CONCEALED FACILITIES

E–1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION AND REPORT TO ENGINEER ANY VARIATIONS FROM THE INFORMATION SHOWN ON CONSTRUCTION PLANS.

E–2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL EXISTING UTILITIES AND PIPELINES IN THE CONSTRUCTION AREA. ANY EXISTING UTILITIES OR PIPELINES (ON OR OFF AIRPORT PROPERTY) DAMAGED BY CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR ALL UTILITIES/PIPELINES DAMAGED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL BE ASSESSED A CABLE CUT PENALTY OF $1,000 PER OCCURRENCE.

E–3. FAA CABLES WILL BE LOCATED AND MARKED BY FAA PRIOR TO CONSTRUCTION. CONTRACTOR IS TO NOTIFY FAA 30 DAYS IN ADVANCE SO THAT FAA CAN SCHEDULE THE REQUIRED MARKING TO PROTECT CABLES DURING CONSTRUCTION. ANY CABLES DAMAGED DURING CONSTRUCTION WILL BE REPLACED BY CONTRACTOR. CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH THE REPAIR OF DAMAGED CABLES AT NO COST TO OWNER.

E–4. CONTRACTOR SHALL PROTECT ALL EXISTING LIGHTING SYSTEMS THAT ARE TO REMAIN, OR IF TO BE REMOVED, UNTIL THEY ARE DESIGNATED FOR REMOVAL.

E–5. ANY UNPLANNED, UNAPPROVED OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR NAVIGATIONAL AID REQUIRES IMMEDIATE NOTIFICATION OF THE AIRPORT MANAGER AND ENGINEER BY THE CONTRACTOR. ALL NECESSARY REPAIRS WILL BE MADE IMMEDIATELY AND AT CONTRACTORS EXPENSE.

E–6. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND GRADE CONTROL OF ALL ELEMENTS OF THE CONSTRUCTION.

TEMPORARY MARKINGS, BARRICADES, TRAFFIC CONTROL

T–1. SEE SPECIFICATION SECTION 01030 AND 01530.

SPILL PREVENTION

ANY LEAKS OR SPILLS OF PETROLEUM PRODUCTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTAIN, CONTROL, AND REMEDIATE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL GUIDELINES, ORDINANCES, AND LAWS.

CONTROL OF POLLUTANTS: POLLUTANTS OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS FUELS, LUBRICANTS, LEAD PAINT, CHEMICALS OR BATTERIES, SHALL BE TRANSPORTED, STORED AND UTILIZED IN A MANNER TO PREVENT LEAKAGE OR SPILLAGE INTO THE ENVIRONMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROPER AND LEGAL DISPOSAL OF ALL SUCH MATERIALS. EQUIPMENT, ESPECIALLY CONCRETE OR ASPHALT TRUCKS, SHALL NOT BE WASHED OR CLEANED OUT ON THE PROJECT EXCEPT IN AREAS WHERE UNUSED PRODUCT CONTAMINANTS CAN BE PREVENTED FROM ENTERING WATERWAYS.

AN SPCC PLAN WILL BE DEVELOPED BY THE CONTRACTOR AND APPROVED PRIOR TO INSTALLATION OF FUEL TANKS. THIS PLAN WILL REQUIRE THE FOLLOWING: 1

1. ALL BARE SOIL AROUND FUELING AREA LINED TO PREVENT SEEPAGE INTO SOIL. IN ADDITION, A SPILL KIT WILL BE KEPT ON SITE IN CASE OF LEAKS.
2. TERTIARY CONTAINMENT WILL BE PROVIDED IN THE MOBILE TRUCK AREA.
3. SECONDARY CONTAINMENT WILL BE PROVIDED IN THE FORM OF A CONTAINMENT PAD WITH A VALVE SIZED (OR APPROVED EQUAL) FOR THE APPROPRIATE REFUELING TRUCK.

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED NO. 27526 PROFESSIONAL ENGINEER QUINTIN B. WATKINS 11/18/13

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
GENERAL NOTES

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: N.T.S.
Drawing Number: GN-1

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SUMMARY OF QUANTITIES

BASE BID

ITEM NO	SPEC NO.	ITEM DESCRIPTION	UNIT	PLAN	FINAL
1	010000	MOBILIZATION	L. SUM	1	
2	P-151	CLEARING AND GRUBBING	ACRE	145	
3	D-753A	EROSION CONTROL CHECK DAM	EACH	15	
4	D-753B	TYPE III RIP RAP FILTER RING	EACH	6	
5	E-891	INLET PROTECTION	EACH	10	
6	E-893	TEMPORARY SILT FENCE	LIN. FT.	89,000	
7	E-895	TEMPORARY EROSION CONTROL MATTING	SQ. YD.	37,000	
8	F-162	NEW 6' CHAIN LINK SECURITY FENCE W/ 3 STANDS BARBED WIRE	LIN. FT.	200	
9	T-901	PERMANENT GRASSING AND MULCHING	ACRE	145	

1

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948

GEORGIA REGISTERED NO. 27520 PROFESSIONAL ENGINEER QUINTIN B. WATKINS

Notes:

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

1

Drawing Name:
SUMMARY OF QUANTITIES

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: N.T.S.
Drawing Number: SQ-1

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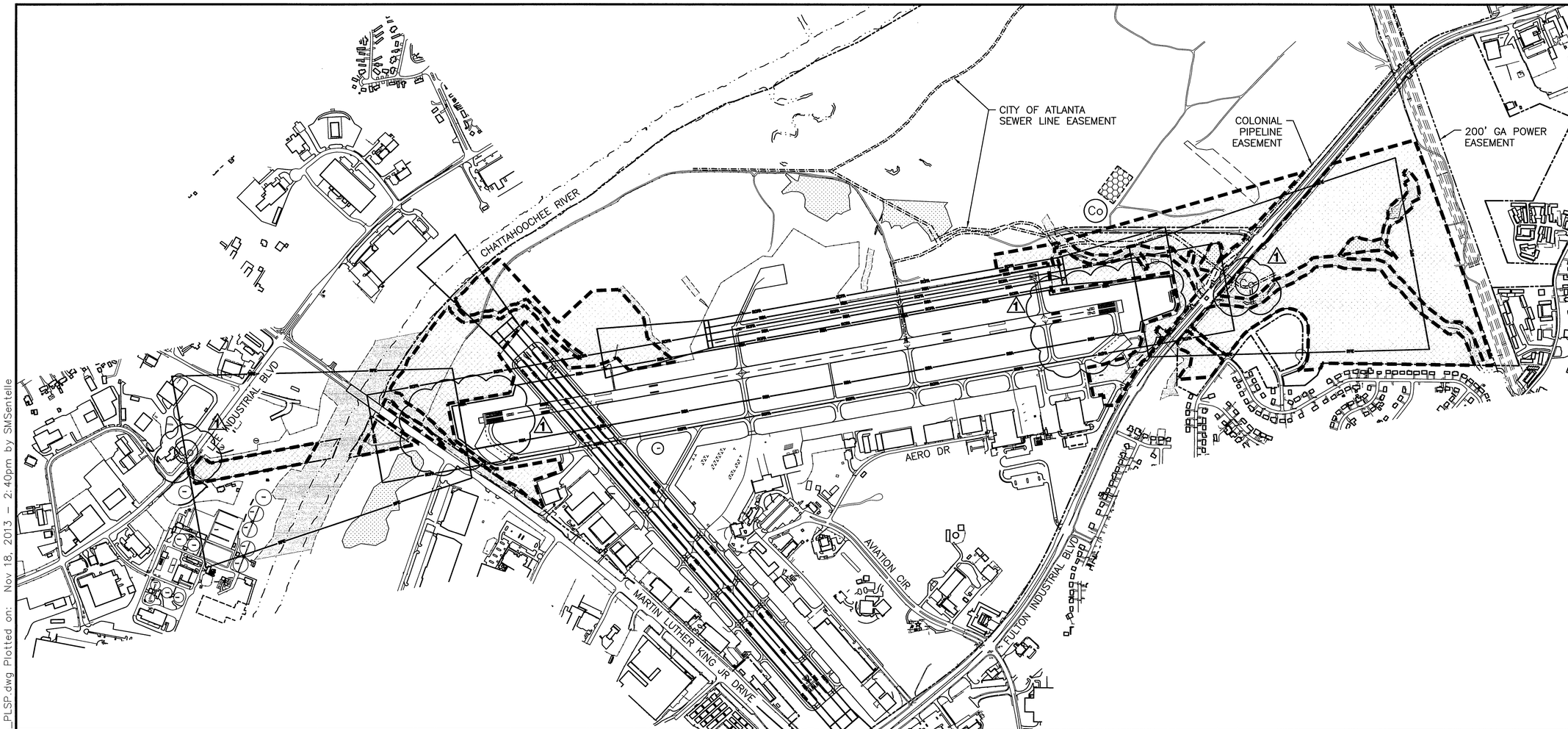

LEGEND

- PROJECT LIMITS
- AIRPORT PROPERTY LIMITS
- HAUL ROUTE
- CONTRACTOR'S STAGING AREA
- (Co) CONSTRUCTION EXIT
- ✕ RUNWAY CLOSED LIGHTED "X"
- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- RPZ — RUNWAY PROTECTION ZONE
- 25' STREAM BUFFER
- WETLANDS BOUNDARY

NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT AND ENGINEER TO OBTAIN APPROPRIATE APPROVALS AND ESTABLISH WORK CONDITIONS AND TIMING PRIOR TO ANY WORK WITHIN THE RUNWAY SAFETY AREAS AND RUNWAY PROTECTION ZONES. THE REQUIRED ACTIONS MAY INCLUDE TEMPORARY RUNWAY CLOSURES OR LIMITED RUNWAY OPERATIONS.
2. ANY WORK PERFORMED WITHIN THE RUNWAY SAFETY AREAS OR TAXIWAY SAFETY AREAS REQUIRES THE CLOSURE OF RUNWAY OR TAXIWAY. ANY RUNWAY CLOSURES SHALL OCCUR DURING NIGHTIME HOURS. ALL CLOSURES SHALL BE COORDINATED WITH THE OWNER AND ENGINEER NO LESS THAN 3 DAYS PRIOR.
3. THE CONTRACTOR SHALL NOT MOVE EQUIPMENT OR PERSONNEL THROUGH ACTIVE PORTIONS OF THE AIRPORT WITHOUT PRIOR COORDINATION AND APPROVAL FROM AIRPORT OPERATIONS AND THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID CONFLICT BETWEEN HIS PERSONNEL, EQUIPMENT, VEHICLES, AND THE AIRCRAFT.
4. ANY ACCESS GATES USED BY THE CONTRACTOR SHALL BE MANNED BY A CONTRACTOR–PAID GATE GUARD ANYTIME THE GATE IS UNLOCKED OR OPEN. THE GATE GUARD SHALL CONTROL ACCESS TO ONLY ALLOW AUTHORIZED CONSTRUCTION TRAFFIC TO ENTER THE SITE.
5. THE CONTRACTOR SHALL PROTECT ALL FENCES FROM DAMAGE. ANY DAMAGE TO FENCES CAUSED BY ONTRACTOR ACTIVITY WILL BE REPAIRED AT CONCTRACTOR'S EXPENSE TO THE SATISFACTION OF THE AIRPORT OWNER.
6. NO CONSTRUCTION WORK WITHIN THE COLONIAL PIPELINE EASEMENT OR CROSSING OF EASEMENT WITH HEAVY EQUIPMENT SHALL OCCUR WITHOUT WRITTEN PERMISSION FROM COLONIAL PIPELINE.
7. NO CONSTRUCTION WORK WITHIN THE GEORGIA POWER EASEMENTS OR CROSSING OF EASEMENTS WITH HEAVY EQUIPMENT SHALL OCCUR WITHOUT WRITTEN PERMISSION FROM GEORGIA POWER.
8. NO CONSTRUCTION WORK WITHIN THE CITY OF ATLANTA SEWER LINE EASEMENTS OR CROSSING OF EASEMENTS WITH HEAVY EQUIPMENT SHALL OCCUR WITHOUT WRITTEN PERMISSION FROM CITY OF ATLANTA. THE CONTRACTOR IS RESPONSIBLE FOR WORKING WITH THE CITY TO ESTABLISH ACCEPTABLE HEAVY EQUIPMENT CROSSING LOCATIONS AND ACCEPTABLE CONDITIONS FOR CROSSING AND WORKING IN THE EASEMENTS.
9. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE ATTRACTION TO BIRDS CAUSED BY PONDING WATER AND GRASS SEED.
10. ANY DAMAGE TO EXISTING AIRCRAFT LIGHTING SYSTEMS CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY NOTED TO THE OWNER AND REPAIRED BY QUALIFIED PERSONNEL AT CONTRACTOR;S EXPENSE TO THE SATISFACTION OF THE OWNER.
11. STAGING AREA SHOWN IS APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY ENGINEER. THE ESTABLISHMENT OF ADDITIONAL STAGING AREAS CAN BE CONSIDERED WITH COORDINATION OF THE CONTRACTOR, ENGINEER, AND THE AIRPORT.

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27520 QUINTIN B. WATKINS

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
PROJECT LAYOUT AND SAFETY PLAN

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: 1"=500'
Drawing Number: PLSP-1

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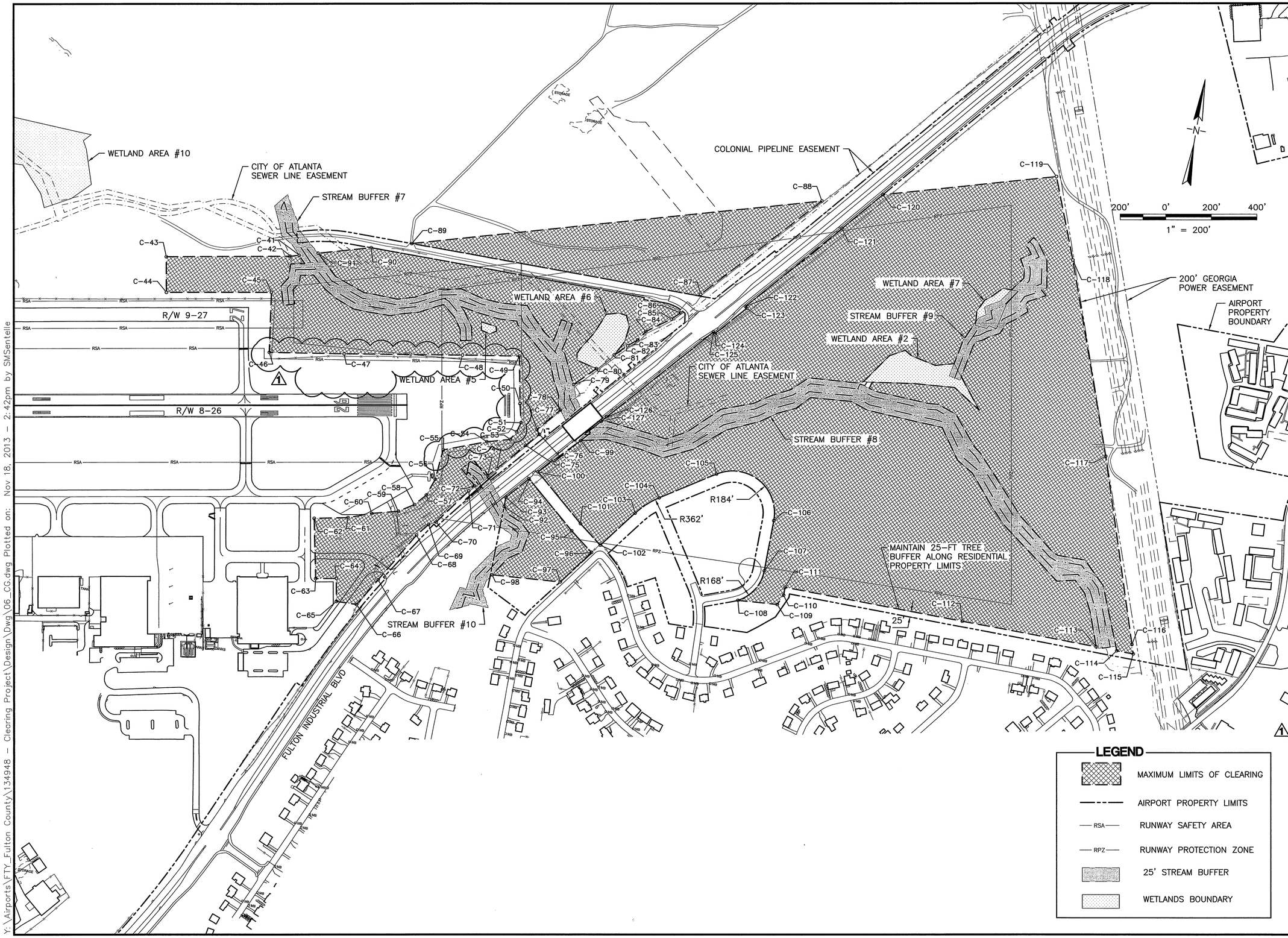

LEGEND

- MAXIMUM LIMITS OF CLEARING
- AIRPORT PROPERTY LIMITS
- RSA — RUNWAY SAFETY AREA
- RPZ — RUNWAY PROTECTION ZONE
- 25' STREAM BUFFER
- WETLANDS BOUNDARY

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD

ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
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Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27520 QUINTIN B. WATKINS

Notes:

1. CONTRACTOR TO ONLY CLEAR AND GRUB ON AIRPORT PROPERTY. THERE SHALL BE NO CLEARING AND GRUBBING OFF AIRPORT PROPERTY.
2. CONTRACTOR SHALL NOT CLEAR AND GRUB WITHIN WETLANDS LIMITS AND STREAM BUFFERS. WETLANDS LIMITS AND STREAM BUFFERS SHALL BE STAKED OUT AND DELINEATED BEFORE CLEARING AND GRUBBING WORK BEGINS.
3. SEE SHEETS CGT-1 TO CGT-2 FOR HORIZONTAL CONTROL TABLES FOR THE DELINEATION OF CLEARING AREAS, STREAM BUFFERS, AND WETLAND AREAS.

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name: OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name: CLEARING AND GRUBBING PLAN NO. 2

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013

Sheet Number: 2 of 2

Scale: 1"=200'

Drawing Number: CG-2

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OBSTRUCTION REMOVAL NOTES

1. ALL REFERENCES TO "SURVEYOR" IN THESE NOTES AND THE REMAINING CONTRACT DOCUMENTS SHALL BE UNDERSTOOD TO MEAN A GEORGIA LICENSED PROFESSIONAL LAND SURVEYOR.
2. THE MAXIMUM LIMITS OF CLEARING (MLOC), SHOWN ON SHEETS CG-1 AND CG-2, DEFINES THE AREA THAT THE FULTON COUNTY AIRPORT WOULD CLEAR IF ALL OF THE PROPERTY WITHIN THE MLOC WAS OWNED BY FULTON COUNTY OR HAD THE APPROPRIATE EASEMENTS. THE CONTRACTOR'S SURVEY REFERRED TO UNDER NOTES 3 AND 4 WILL RESULT IN FORMALLY DELINEATING PROPERTY LINES AND RIGHT-OF-WAYS WITHIN THE MLOC. THE MLOC WILL BE REDUCED DOWN TO THE ACTUAL LIMIT OF OBSTRUCTION REMOVAL BY REMOVING THE PROPERTIES THAT ARE NOT OWNED BY FULTON COUNTY AND DO NOT HAVE EASEMENT TERMS THAT ALLOW CLEARING OF TREES.
3. PRIOR TO MOBILIZATION TO THE SITE THE CONTRACTOR SHALL HIRE A SURVEYOR TO IDENTIFY OWNERSHIP OF ALL PROPERTIES WITHIN THE MLOC. THE LOCATIONS AND GEOMETRIES FOR THE FOLLOWING FEATURES SHALL BE ESTABLISHED AND PLOTTED ON A MAP.
   - THE GEOMETRY OF THE PROPERTY LINES THAT COINCIDE WITH OR INTERSECT WITH THE MAXIMUM LIMITS OF CLEARING.
   - THE GEOMETRY OF PROPERTY LINES AND IDENTIFICATION OF THE LAND OWNERS FOR ALL PARCELS NOT OWNED BY FULTON COUNTY, AND LOCATED WITHIN THE MAXIMUM LIMITS OF CLEARING.
   - RIGHT-OF-WAYS AND EASEMENTS.

   THIS MAP SHALL BE SUBMITTED TO THE ENGINEER AND THE ENGINEER WILL IDENTIFY PROPERTIES THAT WILL BE REMOVED FROM THE LIMITS TO BE CLEARED, THUS DEFINING THE ACTUAL LIMITS OF CLEARING.
4. ONCE THE ENGINEER HAS IDENTIFIED THE ACTUAL LIMITS OF CLEARING, THE OWNER WILL SEND OUT LETTERS NOTIFYING THE LAND OWNERS OF THE COUNTY'S INTENT TO ENTER THEIR PROPERTIES TO PERFORM OBSTRUCTION REMOVAL. WE ANTICIPATE THAT A PERIOD OF UP TO 8 WEEKS WILL BE REQUIRED TO COMPLETE THE NOTIFICATION AND OWNER COORDINATION PROCESS.
5. PRIOR TO BEGINNING OBSTRUCTION REMOVAL, THE CONTRACTOR'S SURVEYOR SHALL ESTABLISH AND CLEARLY MARK ALL PROPERTY LINES, ACTUAL LIMITS OF CLEARING, STREAM BUFFER LIMITS, WETLAND LIMITS, AND OTHER SPECIFIED BOUNDARIES OR LIMITS ON THE GROUND. EACH TYPE OF LIMIT AND BOUNDARY SHALL BE MARKED IN THE FIELD IN A WAY THAT IT CAN BE EASILY DIFFERENTIATED FROM THE OTHER TYPES OF LIMITS OR BOUNDARIES. THE COORDINATES FOR EACH TYPE OF LIMIT OR BOUNDARY (EXCEPT FOR INFORMATION TO BE DEVELOPED BY THE SURVEYOR UNDER NOTE 3) ARE PROVIDED IN TABLES THAT ARE PART OF THESE DRAWINGS. THIS SURVEYING WORK MAY BE PERFORMED CONCURRENT WITH THE NOTIFICATION PROCESS IDENTIFIED ABOVE. THE COORDINATES FOR THE MAXIMUM CLEARING LIMITS WERE PROVIDED BY FULTON COUNTY AND ARE APPROXIMATE AND IN NEED OF UPDATING BY THE CONTRACTOR'S SURVEYOR.
6. NO GRUBBING OR CLEARING SHALL OCCUR WITHIN 25 FEET OF ANY RESIDENTIAL PROPERTIES. THIS LIMIT SHALL ALSO BE MARKED IN THE FIELD.
7. AFTER THE NOTIFICATION PROCESS HAS BEEN COMPLETED AND THE SURVEY HAS BEEN COMPLETED AND PRIOR TO BEGINNING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL SYSTEMS.
8. OBSTRUCTION REMOVAL WORK MAY BEGIN UPON COMPLETION OF THE INSTALLATION OF ALL EROSION AND SEDIMENTATION CONTROL SYSTEMS.
9. NO TRACKED OR WHEELED EQUIPMENT SHALL ENTER STREAM BUFFERS. THERE SHALL BE NO CLEARING WITHIN STREAM BUFFER LIMITS.
10. NO TRACKED OR WHEELED EQUIPMENT SHALL ENTER WETLANDS. THERE SHALL BE NO CLEARING WITHIN WETLAND LIMITS.
11. AS MUCH AS POSSIBLE, TREES ON STEEP SLOPES (I.E., SLOPES EQUAL TO OR GREATER THAN 4:1) MUST BE FELLED BY HAND AND LIFTED OUT USING CRANES OR OTHER EQUIPMENT THAT ARE LOCATED IN AREAS ADJACENT TO THE STEEPLY SLOPED AREAS. WHERE THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A PLAN TO PERFORM TREE REMOVAL WHILE MINIMIZING NEAR TERM AND LONG TERM EROSION ON THE SLOPES. 1
12. ALL OTHER AREAS (I.E., AREAS THAT ARE NOT STREAM BUFFER, WETLANDS, OR STEEP SLOPES) SHALL BE CLEARED, GRUBBED, RE-GRADED TO ACHIEVE A SMOOTH MOWABLE SURFACE, AND RE-VEGETATED IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN AND THE SPECIFICATIONS.
13. CLEARING WILL OCCUR UP TO THE EXISTING WILDLIFE FENCE (I.E., ELECTRIC FENCE) WHERE THE WILDLIFE FENCE IS PRESENT IN THE CLEARING AREA. IN SOME CASES, CLEARING WILL OCCUR ON BOTH SIDES OF THE EXISTING AIRPORT SECURITY FENCE. CLEARING WITHIN TWENTY FEET OF THESE FENCES SHALL BE PERFORMED BY HAND. ALL TREES THAT ARE AT OR CLOSER THAN THE TREE HEIGHT FROM THESE FENCES SHALL BE FELLED IN THE OPPOSITE DIRECTION OF THE FENCES. NO ACCESS TO THE AREA INSIDE OF THE WILDLIFE FENCE WILL BE PROVIDED. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF DAMAGED FENCES OR OTHER COUNTY OR PRIVATE PROPERTY OR FACILITIES CAUSED BY THE CONTRACTORS OPERATIONS AT THE CONTRACTOR'S EXPENSE.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS AND SCHEDULE TIME REQUIRED FOR COORDINATING THE USE OF CRANES OR OTHER EQUIPMENT THAT MAY INTRUDE INTO THE APPROACH SURFACES. THE APPROACH SURFACES AND THE REQUIRED COORDINATION AND APPROVAL PROCESS ARE DEFINED IN THE SAFETY PLAN EARLIER IN THESE DRAWINGS.
15. CHIPPING OF TREES IN PLACE WILL BE ALLOWED EXCEPT FOR IN STREAM BUFFERS AND WETLANDS. HOWEVER, TREES FROM THE STREAM BUFFERS AND WETLANDS MAY BE CHIPPED OUTSIDE OF THE STREAM BUFFERS AND WETLANDS WITHIN THE LIMITS OF WORK. CHIPS FROM AREAS OUTSIDE OF STREAM BUFFERS AND WETLANDS SHALL NOT BE ALLOWED TO ENTER THE STREAM BUFFER AND WETLAND AREAS. ALL CHIPS MUST BE HAULED AWAY BY THE CONTRACTOR.
16. ALL TREES AND CHIPS WILL BECOME THE PROPERTY OF THE CONTRACTOR, WHO MAY EITHER SELL THEM OR OTHERWISE PROPERLY DISPOSE OF THEM.
17. NO BURNING WILL BE ALLOWED.
18. NO WORK MAY BE PERFORMED DURING RAIN EVENTS OR WHEN SURFACE CONDITIONS ARE SUCH THAT RUTS DEEPER THAN SIX INCHES WILL RESULT.
19. NO MORE THAN TEN ACRES OF LAND SHALL BE DISTURBED BUT NOT TEMPORARILY OR PERMANENTLY RE-VEGETATED AT ANY ONE TIME. DISTURBED SHALL MEAN CLEARED OF VEGETATION, EXCAVATED, RUTTED, POTHOLED, GOUGED, OR OTHERWISE DISRUPTED. DISTURBED AREAS SHALL BE RE-VEGETATED WITHIN TWO DAYS OF CLEARING. RE-VEGETATION SHALL BE IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL DRAWINGS AND THE ASSOCIATED SPECIFICATIONS.
20. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DISTURBANCE OF THE LAND SURFACE AND UNDERSTORY VEGETATION IN THE STREAM BUFFERS, WETLANDS, AND STEEPLY SLOPED AREAS. SHOULD DISTURBANCES OCCUR, THE CONTRACTOR SHALL IMMEDIATELY REPAIR AND RE-VEGETATE THE DISTURBED AREAS AND SHALL MONITOR AND MAINTAIN THE AREAS UNTIL THEY ARE ADEQUATELY STABILIZED (REFER TO SPECIFICATION SECTION 901) IN THE OPINION OF THE ENGINEER.
21. THE CONTRACTOR WILL BE RESPONSIBLE FOR RE-VEGETATING AND MAINTAINING ALL AREAS DISTURBED DURING CONSTRUCTION UNTIL ALL AREAS ARE COMPLETELY RESTABILIZED AS JUDGED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO HOLD A MAINTENANCE BOND THAT REMAINS IN EFFECT UNTIL COMPLETE RE-STABILIZATION IS ACHIEVED (REFER TO SPECIFICATION SECTION 901).
22. AREAS CLEARED OR DISTURBED OUTSIDE THE PROJECT LIMITS OR IN PROTECTED AREAS SHALL BE REPAIRED AND REPLANTED TO PRE-DISTURBED CONDITIONS SATISFACTORY TO THE LAND OWNER AT THE CONTRACTOR'S EXPENSE. REPLANTINGS AND REPAIRS MUST BE MAINTAINED BY THE CONTRACTOR UNTIL COMPLETELY RE-ESTABLISHED.

REFERENCE NOTES

1. SURVEY COORDINATE DATA FOR WETLANDS & STREAM BUFFERS PROVIDED BY EDWARDS PITMAN ENVIRONMENTAL, INC. DATE 08/06/10 OBTAINED BY GPS METHODS.
2. COORDINATE DATA FOR MAXIMUM LIMITS OF CLEARING FROM PROPERTY DATA PROVIDED BY STREET SMARTS DATED 06/19/08 & FROM STATE PLANE COORDINATES FROM TOPOGRAPHIC SURVEY BY HOFFMAN & CO. DATED 5/10/99.

CLEARING LIMITS

POINT	NORTHING	EASTING
C-1	1374518.7993	2184661.8470
C-2	1374334.7513	2183694.1224
C-3	1374394.8113	2183613.5221
C-4	1374284.8549	2183524.9192
C-5	1374150.2454	2183550.5935
C-6	1374336.0482	2184552.7801
C-7	1374398.6744	2185021.5744
C-8	1374496.7462	2185515.9075
C-9	1374508.0360	2185570.3924
C-10	1374624.1709	2185400.0040
C-11	1374763.6279	2185204.4180
C-12	1374856.1296	2185241.8361
C-13	1374746.8456	2185397.8869
C-14	1374457.3675	2185810.7646
C-15	1373934.9484	2186692.6122
C-16	1374180.6476	2186606.1378
C-17	1374264.8588	2186857.6955
C-18	1374369.9709	2186829.0147
C-19	1374317.9371	2186549.7119
C-20	1374287.5707	2186363.0927
C-21	1374281.7697	2186250.2357
C-22	1374536.8895	2185897.1316
C-23	1374867.5141	2185829.0763
C-24	1374964.0062	2186388.5734
C-25	1375114.6866	2186429.4934
C-26	1375265.6444	2186320.4612
C-27	1375312.5231	2186287.7591
C-28	1375611.6792	2186529.5825
C-29	1375315.0800	2186818.7468
C-30	1375187.2355	2186919.8263
C-31	1375206.4121	2187148.8548
C-32	1375240.5648	2187261.3841
C-33	1375283.4324	2187352.6052
C-34	1375169.9912	2187465.8001
C-35	1375246.2612	2187884.2610
C-36	1375314.3393	2187796.7613
C-37	1375894.6430	2187371.0606
C-38	1375883.6107	2187133.7609
C-39	1375596.2929	2186822.2124
C-40	1376169.8741	2186293.3008
C-41	1376319.1322	2191326.7415
C-42	1376308.0184	2191287.6177
C-43	1376210.8758	2190753.5548
C-44	1376057.5766	2190781.4389
C-45	1376138.4459	2191235.3784
C-46	1375877.9107	2191272.2234
C-47	1375928.8850	2191596.7437
C-48	1376013.8421	2192109.7407
C-49	1376053.4887	2192356.3194
C-50	1375848.1757	2192395.9987
C-51	1375767.1007	2192415.1140
C-52	1375724.6558	2192402.9769
C-53	1375686.2532	2192380.7256
C-54	1375657.9566	2192281.6058
C-55	1375589.2362	2192099.5490
C-56	1375455.8379	2192087.4119
C-57	1375381.0540	2192061.1147
C-58	1375330.5243	2192016.6120
C-59	1375290.1005	2191951.8807
C-60	1375259.7827	2191838.6009
C-61	1375223.4013	2191739.4811
C-62	1375194.3994	2191593.9833
C-63	1374935.9689	2191646.5272
C-64	1374952.8391	2191735.6542

CLEARING LIMITS

POINT	NORTHING	EASTING
C-65	1374853.1102	2191753.2996
C-66	1374855.5453	2191842.6466
C-67	1374978.8377	2191917.4922
C-68	1375201.1683	2192048.9776
C-69	1375255.7403	2192093.4804
C-70	1375271.9099	2192123.8232
C-71	1375431.5836	2192241.1487
C-72	1375458.4488	2192260.8660
C-73	1375512.8082	2192311.2077
C-74	1375550.8337	2192346.3371
C-75	1375672.4778	2192452.6590
C-76	1375730.9060	2192503.2980
C-77	1375749.4752	2192488.6132
C-78	1375851.6174	2192575.2178
C-79	1375972.1675	2192612.6346
C-80	1376058.4311	2192699.2315
C-81	1376131.6642	2192765.6255
C-82	1376181.7192	2192816.4228
C-83	1376214.5590	2192855.5942
C-84	1376257.2369	2192884.5779
C-85	1376330.9072	2192984.7495
C-86	1376364.6372	2193019.8814
C-87	1376459.6897	2193092.7429
C-88	1376956.1977	2193545.1701
C-89	1376456.4746	2191804.6779
C-90	1376407.0677	2191632.5979
C-91	1376342.3371	2191407.1468
C-92	1375391.6679	2192405.8487
C-93	1375432.8097	2192406.7343
C-94	1375530.4516	2192492.7342
C-95	1375338.6163	2192716.8666
C-96	1375260.9553	2192819.1198
C-97	1375109.9527	2192706.6559
C-98	1375087.8044	2192406.9766
C-99	1375735.9491	2192686.9398
C-100	1375567.9813	2192525.7687
C-101	1375376.8227	2192749.2296
C-102	1375299.2836	2192851.3224
C-103	1375464.2410	2192977.3653
C-104	1375549.3753	2193069.8936
C-105	1375696.3169	2193299.5115
C-106	1375538.9013	2193582.9147
C-107	1375315.3087	2193580.1184
C-108	1375167.7545	2193488.7493
C-109	1375180.5370	2193661.7039
C-110	1375224.9960	2193682.1969
C-111	1375260.3224	2193682.6387
C-112	1375250.4190	2194474.4897
C-113	1375242.9417	2195072.3572
C-114	1375241.7872	2195164.6655
C-115	1375240.8655	2195238.3621
C-116	1375280.6021	2195225.4310
C-117	1376073.0308	2194967.5669
C-118	1376894.1185	2194674.6398
C-119	1377241.8135	2194539.9450
C-120	1377030.4559	2193803.8050
C-121	1376852.7995	2193652.8904
C-122	1376442.6944	2193295.7108
C-123	1376435.6295	2193302.7876
C-124	1376300.9827	2193184.2951
C-125	1376307.5757	2193176.7762
C-126	1375857.7194	2192780.8026
C-127	1375834.2497	2192760.1441

STREAM BUFFER #1

POINT	NORTHING	EASTING
S1-1	1374170.4601	2184313.0215
S1-2	1374282.2479	2184420.6512
S1-3	1374260.7123	2184508.5698
S1-4	1374377.9342	2184577.3606
S1-5	1374547.9834	2184679.3507
S1-6	1374717.5923	2184766.5810

STREAM BUFFER #2

POINT	NORTHING	EASTING
S2-1	1374266.0090	2186094.6917
S2-2	1374295.2725	2186052.0829
S2-3	1374379.7320	2185935.0841
S2-4	1374460.4265	2185823.4563
S2-5	1374562.4500	2185734.3503
S2-6	1374606.3786	2185683.0380
S2-7	1374647.5371	2185641.6492
S2-8	1374671.9962	2185609.3243
S2-9	1374741.5498	2185494.2014
S2-10	1374759.9153	2185445.0176
S2-11	1374837.2662	2185373.2387
S2-12	1374888.0350	2185332.0896
S2-13	1374914.8668	2185277.0811
S2-14	1374845.8131	2185235.6457
S2-15	1374756.9890	2185201.8954
S2-16	1374721.1287	2185186.0350
S2-17	1374642.4693	2185151.2452
S2-18	1374475.1214	2185044.6189
S2-19	1374385.4156	2185017.5776
S2-20	1374247.8318	2184939.5960
S2-21	1374142.6470	2184872.2544

STREAM BUFFER #3

POINT	NORTHING	EASTING
S3-1	1376155.2076	2186274.9618
S3-2	1376112.4628	2186224.3503
S3-3	1375992.7027	2186082.9145
S3-4	1375878.1441	2185980.7817
S3-5	1375805.3309	2185891.5342
S3-6	1375800.7025	2185897.8436
S3-7	1375745.8653	2185932.5680
S3-8	1375727.9803	2185920.5523
S3-9	1375685.0499	2185956.3972
S3-10	1375661.7043	2185984.1844
S3-11	1375667.6494	2186066.8959
S3-12	1375694.8776	2186134.7697
S3-13	1375700.1625	2186162.3979
S3-14	1375699.4215	2186189.3326
S3-15	1375699.8893	2186198.8212
S3-16	1375709.3086	2186228.6636
S3-17	1375705.4946	2186256.0928
S3-18	1375695.7688	2186280.4079
S3-19	1375685.4081	2186298.0232
S3-20	1375713.4991	2186337.4336
S3-21	1375735.5603	2186369.3203
S3-22	1375753.6145	2186393.5295
S3-23	1375761.0416	2186425.5851
S3-24	1375761.3342	2186452.3414
S3-25	1375762.2402	2186455.6025
S3-26	1375781.0459	2186471.7022
S3-27	1375793.9110	2186492.9791
S3-28	1375808.7668	2186545.5554

STREAM BUFFER #3 (CONT'D)

POINT	NORTHING	EASTING
S3-29	1375765.2190	2186582.4890
S3-30	1375732.4587	2186609.6003
S3-31	1375689.5551	2186660.5626
S3-32	1375547.2018	2186762.3675
S3-33	1375487.0806	2186821.2667
S3-34	1375452.0901	2186785.5503
S3-35	1375514.9724	2186723.9460
S3-36	1375655.3549	2186623.5506
S3-37	1375697.1100	2186573.9524
S3-38	1375733.1086	2186544.1613
S3-39	1375751.9097	2186528.2157
S3-40	1375747.6308	2186513.0722
S3-41	1375742.4202	2186504.4547
S3-42	1375718.1450	2186483.6725
S3-43	1375711.4087	2186459.4261
S3-44	1375711.1041	2186431.5713
S3-45	1375707.2697	2186415.0219
S3-46	1375694.9477	2186398.4992
S3-47	1375672.5802	2186366.1697
S3-48	1375625.8663	2186300.6321
S3-49	1375650.7510	2186258.3231
S3-50	1375656.8095	2186243.1764
S3-51	1375658.2311	2186232.9533
S3-52	1375650.2674	2186207.7228
S3-53	1375649.3876	2186189.8770
S3-54	1375650.0320	2186166.4548
S3-55	1375646.2215	2186146.5344
S3-56	1375631.4487	2186142.0418
S3-57	1375608.8754	2186077.1110
S3-58	1375600.1005	2185965.5278
S3-59	1375639.7662	2185913.1064
S3-60	1375706.0241	2185850.3968
S3-61	1375735.4933	2185848.4499
S3-62	1375736.1511	2185829.8386
S3-63	1375664.8688	2185773.2609
S3-64	1375699.9312	2185743.2444
S3-65	1375531.7700	2185670.7178
S3-66	1375301.8654	2185509.9306
S3-67	1375266.2376	2185472.0772
S3-68	1375170.6268	2185437.0263
S3-69	1375093.8188	2185369.5226
S3-70	1375016.2175	2185318.2737
S3-71	1374994.2314	2185310.7044
S3-72	1374977.2882	2185319.8709
S3-73	1374957.7267	2185408.6641
S3-74	1374884.4680	2185447.6677
S3-75	1374799.1684	2185580.5467
S3-76	1374689.2017	2185710.9071
S3-77	1374654.2437	2185740.5034
S3-78	1374610.8356	2185790.5862
S3-79	1374517.2712	2185868.4098
S3-80	1374432.2187	2185982.7262
S3-81	1374351.6093	2186090.7055
S3-82	1374327.6285	2186133.1378
S3-83	1374250.5945	2186235.9307
S3-84	1374193.8842	2186316.1267
S3-85	1374134.2829	2186434.8400
S3-86	1374036.7169	2186544.5899
S3-87	1373978.8885	2186636.0255
S3-88	1373935.3963	2186692.0355

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27520 QUINTIN B. WATKINS 11/18/13

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD 1

Drawing Name:
CLEARING, STREAM BUFFER, AND WETLANDS CONTROL TABLES NO. 1

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 2
Scale: N.T.S.
Drawing Number: CGT-1

Y:\Airports\FTY_Fulton County\134948 - Clearing Project\Design\Dwg\07_CGT-1.dwg Plotted on: Nov 18, 2013 - 2:43pm by SMSentelle

STREAM BUFFER #4		
POINT	NORTHING	EASTING
S4-1	1375857.2649	2187473.3269
S4-2	1375769.3467	2187554.1342
S4-3	1375658.3096	2187644.5446
S4-4	1375485.1200	2187676.4292
S4-5	1375352.0837	2187829.5539
S4-6	1375314.3393	2187796.7613
S4-7	1375458.8543	2187630.4244
S4-8	1375636.6666	2187597.6889
S4-9	1375736.6146	2187516.3076
S4-10	1375846.9213	2187414.9226

STREAM BUFFER #7		
POINT	NORTHING	EASTING
S7-1	1376527.0357	2191255.1239
S7-2	1376501.4286	2191268.9728
S7-3	1376463.9906	2191294.4744
S7-4	1376430.6359	2191304.0069
S7-5	1376424.0315	2191311.7214
S7-6	1376420.1826	2191297.2260
S7-7	1376371.8571	2191310.0575
S7-8	1376384.5448	2191357.8449
S7-9	1376334.1287	2191416.7348
S7-10	1376256.3613	2191499.2975
S7-11	1376207.6939	2191636.2482
S7-12	1376208.3788	2191674.4699
S7-13	1376206.1495	2191755.4893
S7-14	1376205.3124	2191785.9132
S7-15	1376228.0533	2191860.9557
S7-16	1376279.6598	2191959.3654
S7-17	1376298.2022	2192055.1798
S7-18	1376273.7229	2192151.7181
S7-19	1376267.7601	2192235.6087
S7-20	1376277.2417	2192352.1870
S7-21	1376230.8459	2192391.4557
S7-22	1376179.6223	2192441.7325
S7-23	1376142.3485	2192490.9927
S7-24	1376166.1731	2192496.8477
S7-25	1376243.2590	2192510.8216
S7-26	1376234.3405	2192560.0198
S7-27	1376155.7376	2192545.7709
S7-28	1376110.4998	2192534.6534
S7-29	1376099.9807	2192550.0673
S7-30	1375995.4970	2192599.7616
S7-31	1375960.4679	2192619.0903
S7-32	1375917.8806	2192630.7820
S7-33	1375875.4849	2192663.2135
S7-34	1375811.1015	2192606.5472
S7-35	1375868.6986	2192562.0096
S7-36	1375913.1867	2192557.1852
S7-37	1375978.2977	2192522.3186
S7-38	1376050.7389	2192493.8570
S7-39	1376062.9230	2192478.0377
S7-40	1376132.0451	2192399.5834
S7-41	1376186.7145	2192326.1636
S7-42	1376202.6348	2192318.1479
S7-43	1376198.2998	2192240.3076
S7-44	1376208.8990	2192141.9411
S7-45	1376222.3419	2192063.3483
S7-46	1376205.8644	2192082.9320
S7-47	1376143.2708	2192126.5246
S7-48	1376084.6544	2192139.1239
S7-49	1376074.1471	2192090.2404

STREAM BUFFER #7 (CONT'D)		
POINT	NORTHING	EASTING
S7-50	1376122.9406	2192079.7524
S7-51	1376171.8628	2192045.6812
S7-52	1376214.1780	2191995.3888
S7-53	1376216.9726	2191988.1951
S7-54	1376205.1201	2191962.7645
S7-55	1376165.8409	2191888.8966
S7-56	1376142.7898	2191804.3190
S7-57	1376129.1158	2191768.3296
S7-58	1376128.6405	2191710.3076
S7-59	1376127.8228	2191669.5827
S7-60	1376129.6426	2191603.4444
S7-61	1376160.7734	2191521.7759
S7-62	1376193.1135	2191465.2032
S7-63	1376244.9656	2191404.4999
S7-64	1376234.1485	2191347.5952
S7-65	1376199.5040	2191347.5783
S7-66	1376165.9367	2191326.6396
S7-67	1376105.8870	2191344.8371
S7-68	1376091.3862	2191296.9860
S7-69	1376173.1492	2191272.2085
S7-70	1376213.8313	2191297.5853
S7-71	1376275.5432	2191297.6154
S7-72	1376286.8819	2191357.2645
S7-73	1376361.7800	2191286.3777
S7-74	1376392.7423	2191234.4892
S7-75	1376434.9502	2191219.3979
S7-76	1376514.1694	2191182.4759

STREAM BUFFER #8		
POINT	NORTHING	EASTING
S8-1	1375834.2497	2192760.1441
S8-2	1375838.8244	2192788.1404
S8-3	1375820.0682	2192973.3399
S8-4	1375808.3651	2193053.4408
S8-5	1375855.9387	2193140.1491
S8-6	1375979.1379	2193268.9300
S8-7	1376029.7397	2193405.4380
S8-8	1376076.9012	2193476.2110
S8-9	1376118.0793	2193555.8520
S8-10	1376182.4293	2193624.0777
S8-11	1376197.9070	2193846.5071
S8-12	1376175.3175	2193920.3048
S8-13	1376163.5291	2194160.1473
S8-14	1376167.5702	2194204.6215
S8-15	1376137.3958	2194288.8389
S8-16	1376011.0226	2194393.7422
S8-17	1375991.1085	2194420.7125
S8-18	1375940.6320	2194469.1411
S8-19	1375811.4827	2194586.5134
S8-20	1375749.3650	2194642.7712
S8-21	1375616.5576	2194813.9694
S8-22	1375607.3028	2194837.3980
S8-23	1375608.6082	2194956.5690
S8-24	1375512.8752	2195055.6495
S8-25	1375405.4551	2195099.4027
S8-26	1375388.8860	2195106.0095
S8-27	1375386.0312	2195020.9839
S8-28	1375391.3760	2195019.0650
S8-29	1375464.8460	2194982.0736
S8-30	1375513.9389	2194930.9689
S8-31	1375495.7190	2194851.7879
S8-32	1375539.7911	2194792.8619
S8-33	1375699.0800	2194577.7156
S8-34	1375762.4711	2194517.7193
S8-35	1375897.2347	2194404.4087
S8-36	1375941.5703	2194330.1084
S8-37	1376070.3867	2194238.9220
S8-38	1376073.4417	2194206.5443
S8-39	1376075.3141	2194138.4941
S8-40	1376087.8729	2193902.3965
S8-41	1376113.3051	2193827.1687
S8-42	1376098.9386	2193647.4543
S8-43	1376041.3843	2193592.4280
S8-44	1376006.5107	2193517.6037
S8-45	1375957.6592	2193447.5590
S8-46	1375893.4652	2193306.6935
S8-47	1375786.7751	2193181.7237
S8-48	1375725.2361	2193056.5634
S8-49	1375744.0807	2192954.4562
S8-50	1375760.0124	2192795.8403
S8-51	1375735.9491	2192686.9398
S8-52	1375776.4283	2192722.5705
S8-53	1375783.0138	2192715.0451

STREAM BUFFER #9		
POINT	NORTHING	EASTING
S9-1	1376920.0601	2194459.0704
S9-2	1376909.8633	2194473.3827
S9-3	1376886.5650	2194490.6848
S9-4	1376858.6271	2194447.7761
S9-5	1376814.6561	2194472.8367
S9-6	1376795.3683	2194476.6476
S9-7	1376777.8672	2194476.7847
S9-8	1376762.1237	2194465.6271
S9-9	1376732.1589	2194442.5848
S9-10	1376674.2905	2194401.6264
S9-11	1376658.4462	2194389.4537
S9-12	1376649.5464	2194371.9055
S9-13	1376623.4052	2194329.2154
S9-14	1376589.7792	2194341.3588
S9-15	1376571.7967	2194311.3825
S9-16	1376497.3937	2194278.2950
S9-17	1376461.5570	2194261.6788
S9-18	1376298.1274	2194229.8476
S9-19	1376288.5685	2194278.9253
S9-20	1376446.0356	2194309.5952
S9-21	1376467.5704	2194319.5801
S9-22	1376477.2502	2194343.5734
S9-23	1376497.1970	2194370.1241
S9-24	1376520.9708	2194415.1996
S9-25	1376568.0165	2194436.8662
S9-26	1376595.2214	2194474.3128
S9-27	1376637.1755	2194520.4209
S9-28	1376661.0390	2194505.4823
S9-29	1376665.1255	2194504.8156
S9-30	1376680.6508	2194512.7842
S9-31	1376719.8887	2194586.2122
S9-32	1376740.1153	2194561.7170
S9-33	1376754.0073	2194583.8759
S9-34	1376835.8586	2194571.5680
S9-35	1376873.6809	2194562.5327
S9-36	1376946.0075	2194508.8205
S9-37	1376960.7820	2194488.0829

STREAM BUFFER #10		
POINT	NORTHING	EASTING
S10-1	1374943.2824	2192414.4394
S10-2	1375013.4523	2192376.8636
S10-3	1375053.0266	2192384.2329
S10-4	1375170.3402	2192460.9525
S10-5	1375209.9114	2192518.4356
S10-6	1375296.6618	2192534.3851
S10-7	1375336.5730	2192490.6630
S10-8	1375360.1001	2192432.3902
S10-9	1375385.2586	2192410.8559
S10-10	1375530.7104	2192297.2215
S10-11	1375562.5317	2192221.1529
S10-12	1375490.9213	2192219.1827
S10-13	1375470.4632	2192250.3539
S10-14	1375340.0837	2192364.4304
S10-15	1375306.3512	2192388.3089
S10-16	1375300.2727	2192403.8812
S10-17	1375283.4161	2192447.0653
S10-18	1375274.1741	2192461.1160
S10-19	1375248.1600	2192458.3405
S10-20	1375219.5615	2192412.7755
S10-21	1375203.6407	2192401.8011
S10-22	1375076.4928	2192314.1561
S10-23	1375007.5360	2192305.6694

WETLAND AREA #2		
POINT	NORTHING	EASTING
W2-1	1376376.4403	2194019.9540
W2-2	1376356.9187	2194052.1433
W2-3	1376333.6346	2194161.1756
W2-4	1376355.6277	2194241.7080
W2-5	1376173.5829	2194385.6664
W2-6	1376252.5390	2194261.5260
W2-7	1376238.4703	2194083.9412
W2-8	1376209.1769	2193879.3260
W2-9	1376209.6314	2193864.4018
W2-10	1376340.3479	2193955.3049

WETLAND AREA #3		
POINT	NORTHING	EASTING
W3-1	1375405.7527	2186893.2206
W3-2	1375350.5448	2186948.5734
W3-3	1375296.5057	2187023.8145
W3-4	1375290.4763	2187020.2167
W3-5	1375290.4605	2187011.8816
W3-6	1375341.7377	2186939.0159
W3-7	1375402.2762	2186894.8409

WETLAND AREA #5		
POINT	NORTHING	EASTING
W5-1	1376171.6364	2192165.6988
W5-2	1376162.7798	2192232.4218
W5-3	1376144.4938	2192239.4794
W5-4	1376126.0566	2192212.7795
W5-5	1376134.9950	2192172.5214

WETLAND AREA #6		
POINT	NORTHING	EASTING
W6-1	1376316.1955	2192753.1337
W6-2	1376311.7996	2192788.4255
W6-3	1376264.5728	2192809.3939
W6-4	1376196.2824	2192800.6422
W6-5	1376118.6508	2192758.5735
W6-6	1376057.3546	2192703.8136
W6-7	1376079.5315	2192609.4143
W6-8	1376108.9073	2192603.7429
W6-9	1376135.7773	2192615.9759
W6-10	1376209.5528	2192661.5754
W6-11	1376301.2568	2192699.9363
W6-12	1376310.4126	2192734.1242

WETLAND AREA #7		
POINT	NORTHING	EASTING
W7-1	1376717.7578	2194394.7469
W7-2	1376717.3117	2194462.7047
W7-3	1376652.3533	2194421.4035
W7-4	1376538.3752	2194396.4805
W7-5	1376545.9024	2194363.2465
W7-6	1376532.4415	2194354.9855
W7-7	1376536.9286	2194304.7362
W7-8	1376600.0097	2194298.8218
W7-9	1376653.2482	2194324.8050
W7-10	1376672.0577	2194349.3653

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REFERENCE NOTES

1. SURVEY COORDINATE DATA FOR WETLANDS & STREAM BUFFERS PROVIDED BY EDWARDS PITMAN ENVIRONMENTAL, INC. DATE 08/06/10 OBTAINED BY GPS METHODS.
2. COORDINATE DATA FOR MAXIMUM LIMITS OF CLEARING FROM PROPERTY DATA PROVIDED BY STREET SMARTS DATED 06/19/08 & FROM STATE PLANE COORDINATES FROM TOPOGRAPHIC SURVEY BY HOFFMAN & CO. DATED 5/10/99.

1

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED No. 27628 PROFESSIONAL ENGINEER QUINTIN B. WATKINS

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

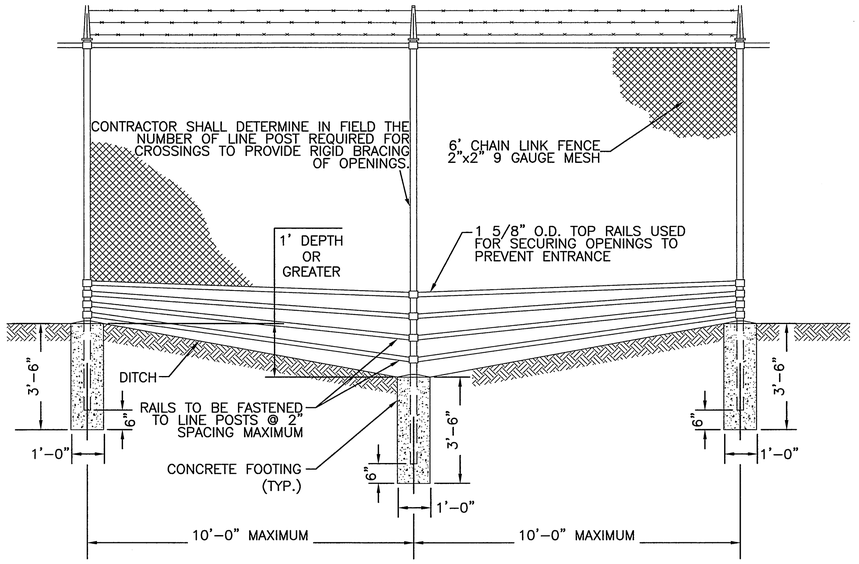
1

Drawing Name:
CLEARING, STREAM BUFFER, AND WETLANDS CONTROL TABLES NO. 2

FAA AIP PROJECT NUMBER:

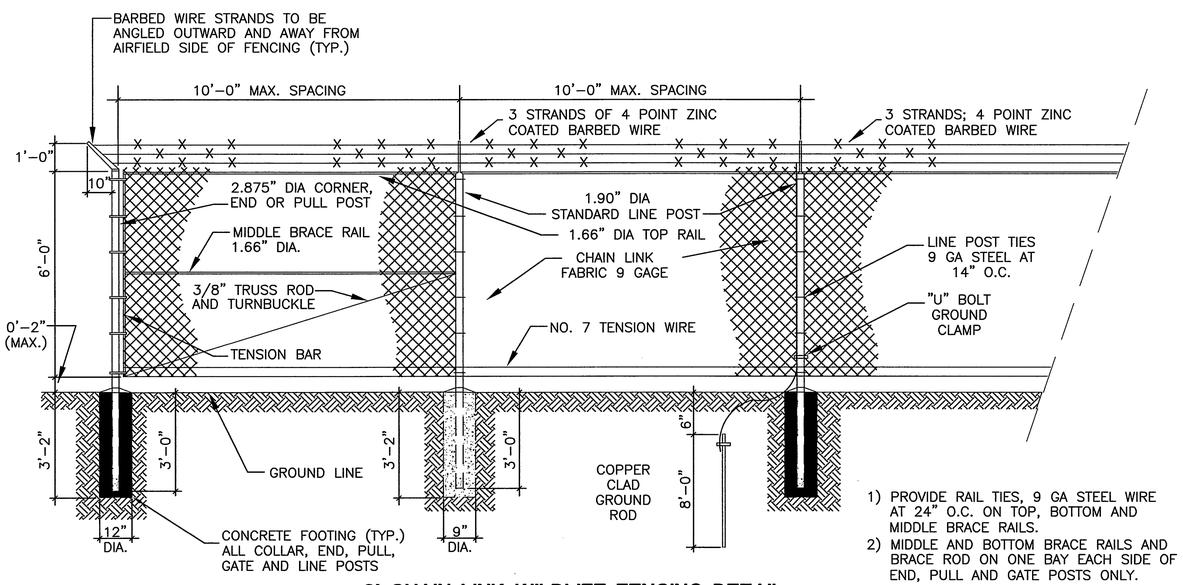
Date: OCTOBER, 2013
Sheet Number: 2 of 2
Scale: N.T.S.
Drawing Number: CGT-2

Y:\Airports\FTY_Fulton County\134948 - Clearing Project\Design\Dwg\07_CGT-1.dwg Plotted on: Nov 18, 2013 - 2:44pm by SMSentelle



FENCE DETAIL FOR DITCH

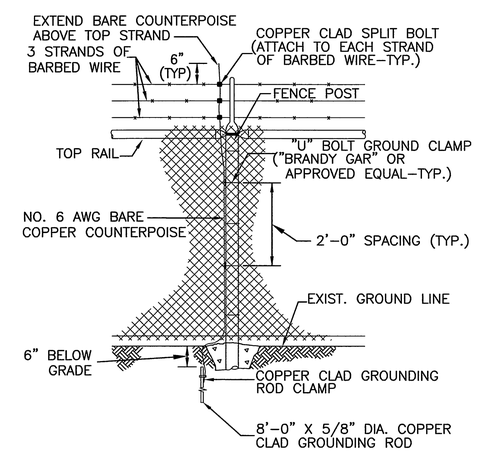
N.T.S.



1) PROVIDE RAIL TIES, 9 GA STEEL WIRE AT 24" O.C. ON TOP, BOTTOM AND MIDDLE BRACE RAILS.
2) MIDDLE AND BOTTOM BRACE RAILS AND BRACE ROD ON ONE BAY EACH SIDE OF END, PULL AND GATE POSTS ONLY.

8' CHAIN LINK WILDLIFE FENCING DETAIL

N.T.S.



TYPICAL FENCE GROUNDING DETAIL

N.T.S.

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED NO. 27520 PROFESSIONAL ENGINEER QUINTIN B. WATKINS

REVISIONS

No.	Description	Date	By
1	ADDITIONAL DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
FENCING DETAILS

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: N.T.S.
Drawing Number: FD-1

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LAND USE AND NATURE OF CONSTRUCTION ACTIVITY:

THE PROPOSED PROJECT INVOLVES REMOVING TRESS ON AIRPORT PROPERTY THAT ARE OBSTRUCTIONS AND POSSIBLY FUTURE OBSTRUCTIONS IN VIOLATION OF CFR 14, FAR PART 77 NAVIGABLE AIRSPACE OBSTRUCTION REQUIREMENTS. TREES WILL BE REMOVED AND GROUND WILL BE GRASSED TO STABILIZE THE SOIL.

EROSION CONTROL NOTES:

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT, AND NPDES PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- THE CONSTRUCTION EXIT IS TO BE INSTALLED AND MAINTAINED AS SHOWN IN DETAILS.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- STONE CHECK DAMS AND/OR ROCK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- ALL OTHER SITE SPECIFIC EROSION CONTROL BMP'S PER THE PLANS SHEETS IN THIS SET.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL WITHIN 7 DAYS. NO OTHER CONSTRUCTION ACTIVITIES SHALL 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 MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS LIMITED.

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 REPSONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY. 1

AT THE END OF EACH WORK DAY ALL SLOPES 4:1 OR STEEPER SHALL RECEIVE SURFACE ROUGHENING, EROSION CONTROL MATTING, AND SEEDING AS SHOWN ON THE EROSION CONTROL PLAN.

TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE AND AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. IN ADDITION, SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT AND MAINTAINED OR REPLACED. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE PROJECT UNTIL SUCH MEASURES ARE CORRECTED AS SHOWN ON THE APPROVED EROSION CONTROL PLANS.

ALL EROSION CONTROL DEVICES SHALL MEET THE REQUIREMENTS SET FORTH IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION, GEORGIA SOIL AND WATER CONSERVATION COMMISSION AND THE "FIELD MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.

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.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL MEASURES WILL BE MAINTAINED UNTIL FINAL STABILIZATION WHERE 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER. TEMPORARY EROSION CONTROL DEVICES MAY BE REMOVED AND DISPOSED OF AFTER APPROVAL OF THE ENGINEER.

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

CRITICAL WORK ZONE EROSION CONTROL NOTES:

A 25 FT STREAM BUFFER, SHOWN ON THE EROSION CONTROL PLAN, SHALL BE MAINTAINED AT ALL TIMES AROUND STATE WATERWAYS. NO WORK SHALL OCCUR IN THIS BUFFER UNLESS NOTED ON THE PLANS AND COVERED BY A SECTION 404/401 PERMIT

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

GENERAL:

TRASH DEBRIS SHALL BE SECURED WITHIN THE CONTRACTOR'S STAGING AREA OR PROPERLY DISPOSED OF AT THE END OF EACH WORK DAY.

NPDES PERMIT:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH NPDES PERMIT GAR100001 FROM THE STATE OF GEORGIA. THE CONTRACTOR MUST FILE A NOTICE OF INTENT (NOI) WITH THE EPD, FULTON AND COBB COUNTIES AT LEAST 14 DAYS PRIOR TO CONSTRUCTION ACTIVITIES. THE NOI MUST INCLUDE AN EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPCP) AND A COMPREHENSIVE MONITORING PLAN (CMP) WHICH INCLUDES MONITORING AND SAMPLING OF OUTFALL POINTS OR THE RECEIVING WATERS AND A PLAN FOR OPERATION AND MAINTENANCE OF BEST MANAGEMENT PRACTICES (BMPS). CONTRACTOR MUST HAVE QUALIFIED PERSONNEL TO INSPECT BMPS. CONTRACTOR MUST SUBMIT MONTHLY SUMMARY OF MONITORING RESULTS AND INSPECTION RESULTS TO THE EPD, FULTON AND COBB COUNTIES UNTIL A NOTICE OF TERMINATION (NOT) IS ISSUED. THE COST OF PERMITTING, MONITORING, SAMPLING, INSPECTIONS, TESTING AND REPORTING SHALL BE INCIDENTAL TO COST OF THE MOBILIZATION.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR FILING ALL OTHER FEDERAL, STATE, AND LOCAL PERMITS AND FEES REQUIRED FOR CONSTRUCTING THE PROJECT, INCLUDING, BUT NOT LIMITED TO, DRIVEWAY PERMITS, LOCAL LAND DISTURBANCE PERMITS, BUILDING PERMITS, ETC. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PAYING ALL COSTS AND FEES ASSOCIATED WITH ANY REQUIRED PLAN PREPARATION, PAPERWORK, TESTING, INSPECTION, OR ANY OTHER ITEMS NECESSARY TO MEET PERMIT REQUIREMENTS.

OUTFALL SAMPLING:

SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART IV.D. 5. D. OF THE PERMIT. SAMPLING WILL OCCUR AT THE DESIGNATED REPRESENTATIVE OUTFALL. THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE OUTFALL CHANNEL. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR/BOTTLE, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE IS FULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. SAMPLES MAY BE ANALYZED AT THE SITE WITH PROPERLY CALIBRATED PORTABLE TURBIDIMETERS. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED.

SAMPLING REQUIREMENTS
THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE COMPLETE REQUIREMENTS FOR SAMPLING FREQUENCY, SAMPLING METHODS AND SAMPLING RESULTS PER THE IV.D.4.6 OF THE PERMIT.

INSPECTIONS AND RECORD KEEPING

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MEETING ALL REQUIREMENTS FOR INSPECTIONS AND RECORD KEEPING AS THE PRIMARY PERMITEE. HE IS ALSO RESPONSIBLE FOR RETENTION OF RECORDS AS PER PARTS IV.D.4, IV.E AND IV.F OF THE PERMIT.

ALTERNATIVE BMPS:

ALTERNATIVE EROSION CONTROL BMP DESIGNS 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) MUST BE SUBMITTED TO THE DESIGN ENGINEER PRIOR TO THE INSTALLATION.

SPILL PREVENTION:

ANY LEAKS OR SPILLS OF PETROLEUM PRODUCTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTAIN, CONTROL, AND REMEDIATE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL GUIDELINES, ORDINANCES, AND LAWS.

CONTROL OF POLLUTANTS: POLLUTANTS OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS FUELS, LUBRICANTS, LEAD PAINT, CHEMICALS OR BATTERIES, SHALL BE TRANSPORTED, STORED AND UTILIZED IN A MANNER TO PREVENT LEAKAGE OR SPILLAGE INTO THE ENVIRONMENT. THE CONTRACTOR SHALL PREPARE AN SPCC PLAN FOR FUEL STORAGE AREAS DURING CONSTRUCTION.

MATERIALS AND EQUIPMENT NECESSARY FOR PETROLEUM SPILL CLEANUP MUST BE KEPT ONSITE AND IN STORAGE AREAS. THESE MAY INCLUDE BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES MUST BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. ALL SPILLS MUST BE 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) MUST BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD MUST 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 MUST BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLANS IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITY EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

DUST CONTROL:

THE CONTRACTOR SHALL FURNISH THE PROPER NUMBER OF WATER TRUCKS OR OTHER SUITABLE MEANS TO CONTROL DUST. THE CONTRACTOR SHALL PROVIDE ADDITIONAL WATER TRUCKS AS NEEDED AS DIRECTED BY THE ENGINEER/OWNER.

PRE-CONSTRUCTION CONFERENCE
DEVELOPER SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE AT THE PROJECT SITE WITH REPRESENTATIVES OF THE COUNTY, AIRPORT, AND ENGINEER.

NOTE:
ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION AT NO ADDITIONAL COST TO THE OWNER.

NPDES CERTIFICATION:

CONSTRUCTION OF THIS PROJECT WILL INVOLVE LAND DISTURBANCE EQUAL TO, OR GREATER THAN, 1 ACRE, OR IS PART OF A COMMON DEVELOPMENT REQUIRING AND NPDES PERMIT, AND MUST COMPLY WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITIES GENERAL PERMIT NO. GAR 100001. THE CONTRACTOR OR AUTHORIZED REPRESENTATIVE SHALL BE RESPONSIBLE FOR PREPARATION OF THE NECESSARY NOTICE OF INTENT (NOI) AND APPROPRIATE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN REQUIREMENTS THAT COMPLY WITH ALL ASPECTS OF THE NPDES PERMIT FOR CONSTRUCTION ACTIVITIES.

THE NOI AND THE NOTICE OF TERMINATION (NOT) SHALL BE FILED WITH EPD, FULTON AND COBB COUNTIES. INSPECTIONS BY A QUALIFIED PERSONNEL PROVIDED BY THE CONTRACTOR AND THE ASSOCIATED RECORDS SHALL BE KEPT ONSITE IN COMPLIANCE WITH GAR100001.

ACKNOWLEDGMENT

_____
OWNER/CONTRACTOR OR AUTHORIZED REPRESENTATIVE

EROSION CONTROL CERTIFICATION:

(1) "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA', PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND DISTURBING ACTIVITY WAS PLANNED. THE PLAN PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS. THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001."

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

(3) "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

DESIGN PROFESSIONAL: Quintin Watkins

CERTIFICATION #: 0000066953 DATE: 11/18/13

I Quintin Watkins, HEREBY CERTIFY THAT I HAVE VISITED THE SITE PRIOR TO CREATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN AND HAVE VERIFIED THE PRESENCE OR LACK THEREOF OF ALL STATE WATERS ON, OR ADJACENT TO, THE SITE.

11/18/13
PLAN PREPARER SIGNATURE & DATE

TOTAL SITE AREA = 145.0 ACRES
TOTAL DISTURBED AREA = 145.0 ACRES
TOTAL IMPERVIOUS AREA = 0.0 ACRES

1

OWNER: FULTON COUNTY, GEORGIA
DOUG BARRETT - MANAGER
3952 AVIATION CIRCLE NW
ATLANTA, GA. 30336
404-699-4200

CONTRACTOR: TO BE DETERMINED

ENGINEER: THE LPA GROUP, INC
QUINTIN WATKINS
3595 ENGINEERING DR.
NORCROSS, GA 30092
770-263-9118

24 HOUR CONTACT: TO BE DETERMINED

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27820 QUINTIN B. WATKINS

NOTE:
"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

NOTE:
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

NOTE:
"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."

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
EROSION AND SEDIMENT CONTROL GENERAL NOTES

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: N.T.S.
Drawing Number: ECGN-1

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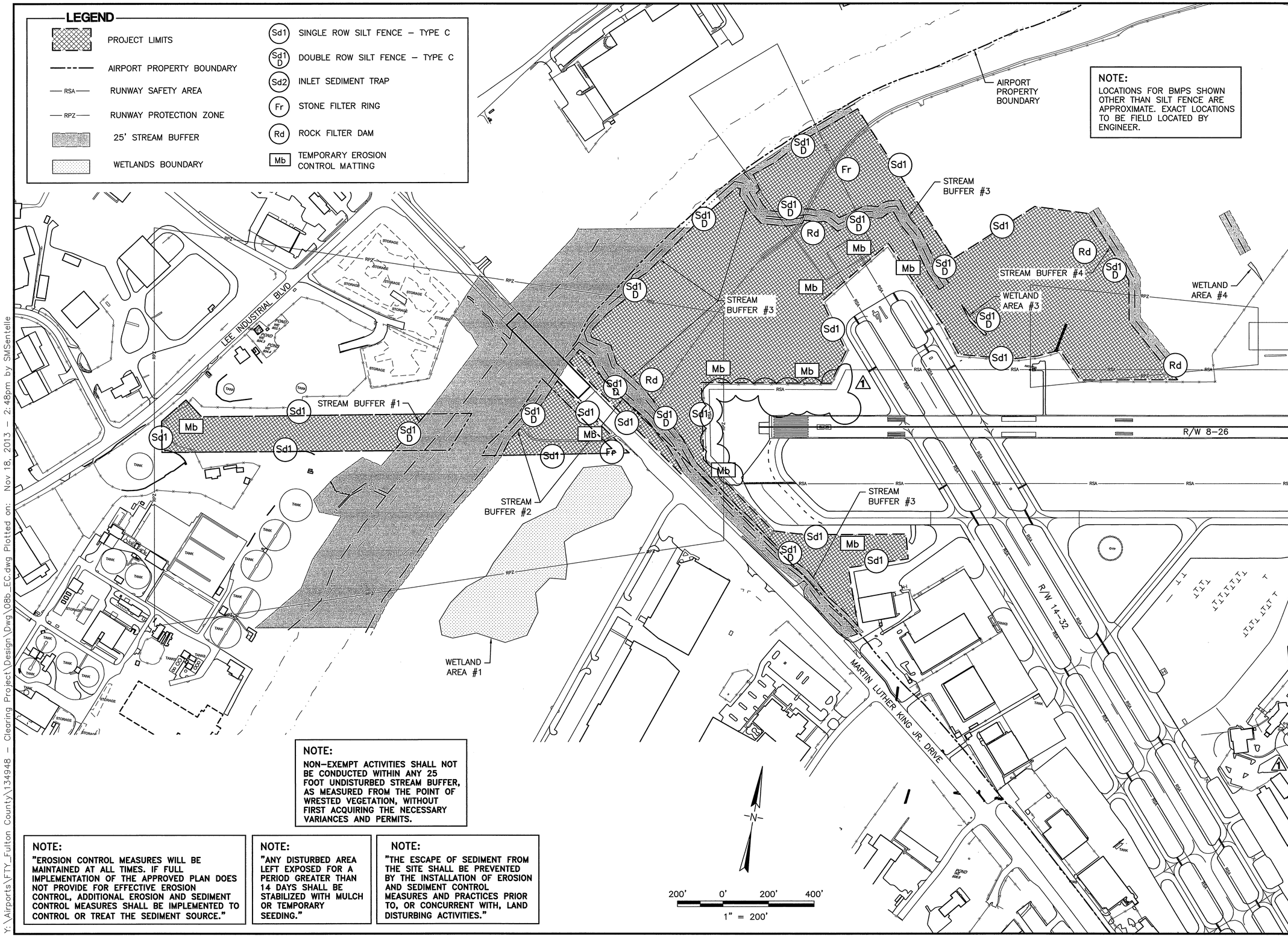
LEGEND

- PROJECT LIMITS
- AIRPORT PROPERTY BOUNDARY
- RSA — RUNWAY SAFETY AREA
- RPZ — RUNWAY PROTECTION ZONE
- 25' STREAM BUFFER
- WETLANDS BOUNDARY
- Sd1 — SINGLE ROW SILT FENCE – TYPE C
- Sd1 D — DOUBLE ROW SILT FENCE – TYPE C
- Sd2 — INLET SEDIMENT TRAP
- Fr — STONE FILTER RING
- Rd — ROCK FILTER DAM
- Mb — TEMPORARY EROSION CONTROL MATTING



NOTE:
LOCATIONS FOR BMPS SHOWN OTHER THAN SILT FENCE ARE APPROXIMATE. EXACT LOCATIONS TO BE FIELD LOCATED BY ENGINEER.

NOTE:
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN ANY 25 FOOT UNDISTURBED STREAM BUFFER, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

NOTE:
"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."

NOTE:
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

NOTE:
"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27820 QUINTIN B. WITKINS 11/19/13

Notes:

1. SILT FENCE – TYPE C (Sd1) SHALL BE INSTALLED ALONG ALL CLEARING BOUNDARIES, DIRT ROADS, PAVED ROADS, AND THE TOE OF ALL SLOPES STEEPER THAN 4 HORIZONTAL TO 1 VERTICAL.
2. DOUBLE ROW SILT FENCE – TYPE C (Sd1–D) SHALL BE INSTALLED ALONG ALL STREAM BUFFER LIMITS AND WETLAND AREA BOUNDARIES.
3. ALL SILT FENCE SHALL TIE BACK TO THEMSELVES, ROCK FILTER DAMS (Rd) OR STONE FILTER RINGS (Fr).
4. CURB INLET SEDIMENT TRAPS (Sd2) SHALL BE PROVIDED AT EACH CURB INLET WITHIN AND DIRECTLY ADJACENT TO LIMITS OF CLEARING.
5. ALL BMPS FOR EACH AREA SHALL REMAIN IN PLACE UNTIL THE AREA IS COMPLETELY AND FULLY STABILIZED AS DETERMINED BY THE ENGINEER. ONCE THE AREA IS STABILIZED, THE BMPS SHALL BE REMOVED AND DISPOSED OF PROPERLY.

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
EROSION AND SEDIMENT CONTROL PLAN NO. 1

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 2
Scale: 1"=200'
Drawing Number: EC-1

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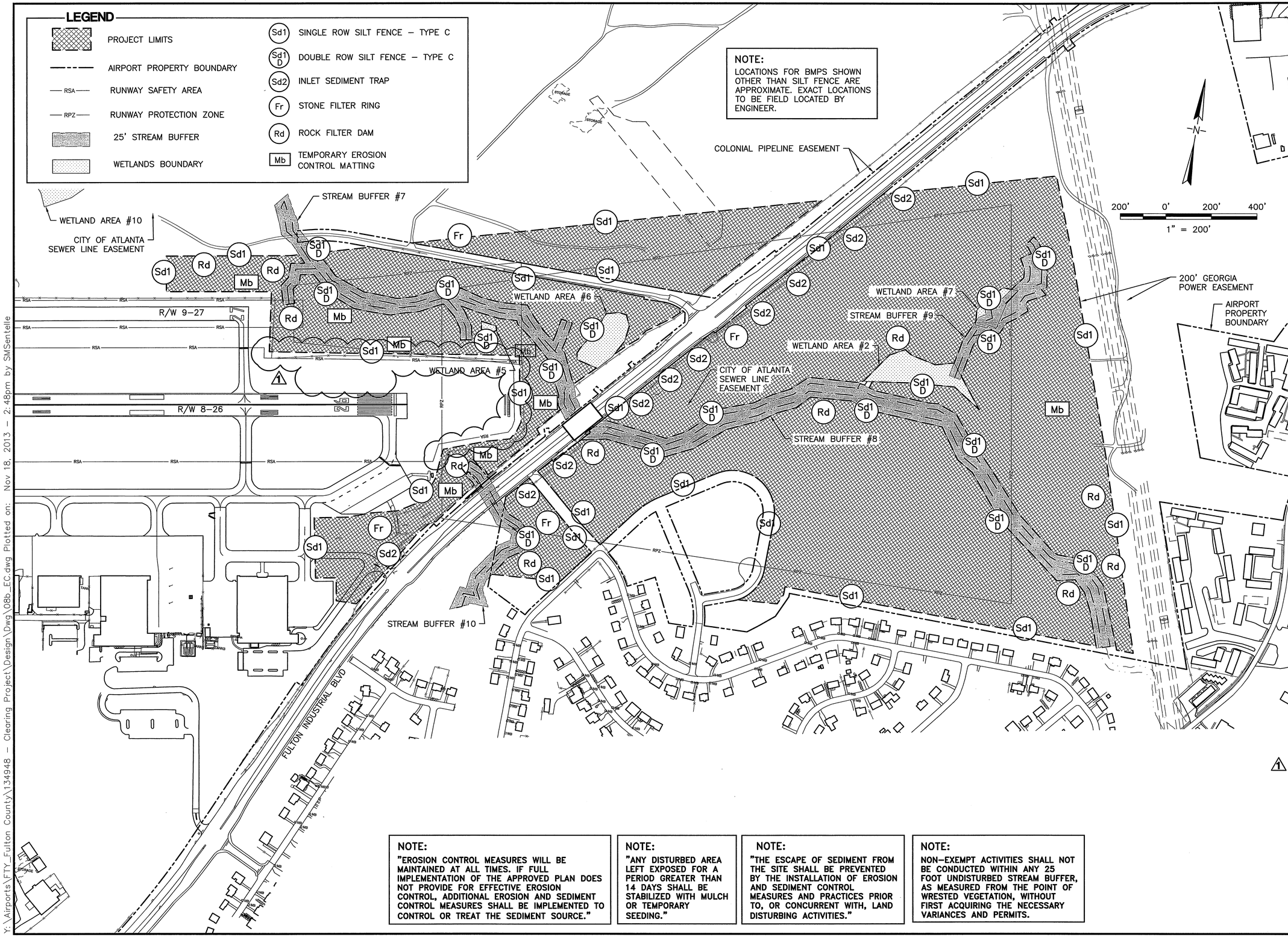

NOTE:
"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

NOTE:
"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

NOTE:
"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

NOTE:
NON–EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN ANY 25 FOOT UNDISTURBED STREAM BUFFER, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948

GEORGIA REGISTERED No. 27462 PROFESSIONAL ENGINEER QUINTIN B. WATKINS

Notes:

1. SILT FENCE – TYPE C (Sd1) SHALL BE INSTALLED ALONG ALL CLEARING BOUNDARIES, DIRT ROADS, PAVED ROADS, AND THE TOE OF ALL SLOPES STEEPER THAN 4 HORIZONTAL TO 1 VERTICAL.
2. DOUBLE ROW SILT FENCE – TYPE C (Sd1–D) SHALL BE INSTALLED ALONG ALL STREAM BUFFER LIMITS AND WETLAND AREA BOUNDARIES.
3. ALL SILT FENCE SHALL TIE BACK TO THEMSELVES, ROCK FILTER DAMS (Rd) OR STONE FILTER RINGS (Fr).
4. CURB INLET SEDIMENT TRAPS (Sd2) SHALL BE PROVIDED AT EACH CURB INLET WITHIN AND DIRECTLY ADJACENT TO LIMITS OF CLEARING.
5. ALL BMPS FOR EACH AREA SHALL REMAIN IN PLACE UNTIL THE AREA IS COMPLETELY AND FULLY STABILIZED AS DETERMINED BY THE ENGINEER. ONCE THE AREA IS STABILIZED, THE BMPS SHALL BE REMOVED AND DISPOSED OF PROPERLY.

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
EROSION AND SEDIMENT CONTROL PLAN NO. 2

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 2 of 2
Scale: 1"=200'
Drawing Number: EC-2

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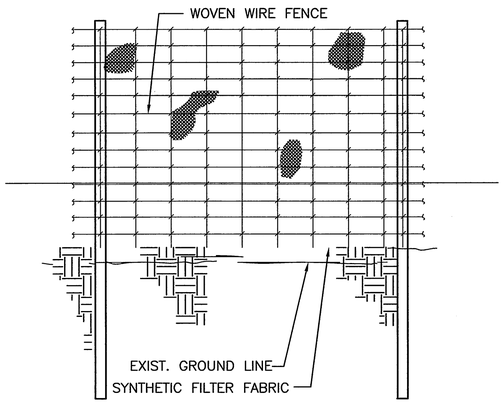
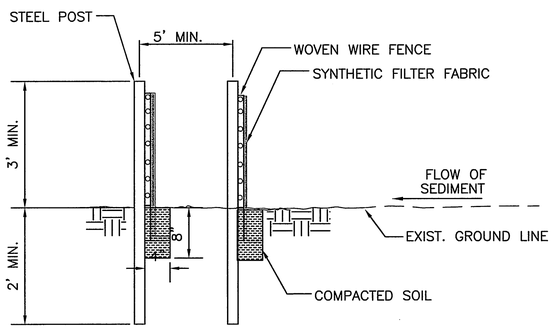


ELEVATION VIEW



NOTE:

1. MAINTAIN EXISTING SILT FENCE WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2. MAINTAIN THROUGHOUT THE LIFE OF THE PROJECT.

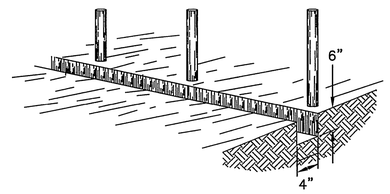
3. THE COST OF MAINTENANCE OF DOUBLE ROW SILT FENCE, FILTER FABRIC, WIRE FENCE, AND STEEL POSTS SHALL BE INCLUDED IN THE PAY ITEM FOR MAINTENANCE OF EXISTING SILT FENCE.

4. THE COST OF DOUBLE ROW SILT FENCE,FILTER FABRIC, WIRE FENCE, AND STEEL POST SHALL BE INCLUDED IN THE COST OF TEMPORARY SILT FENCE.

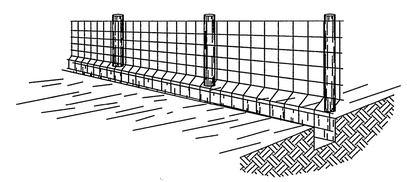
SECTION VIEW

DOUBLE ROW SILT FENCE - TYPE C (Sd1 D)

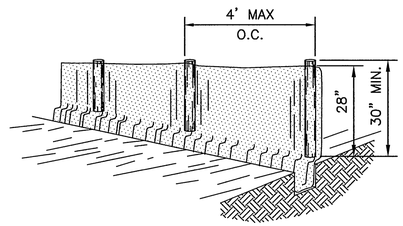
N.T.S.



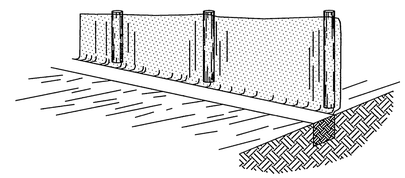
1. SET POST AND EXCAVATE A 6"x4" TRENCH UPSLOPE ALONG THE LINE OF POST.



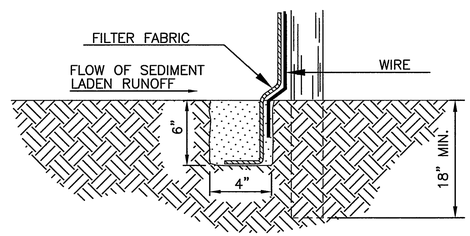
2. STAPLE WIRE FENCING TO THE POST.



3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



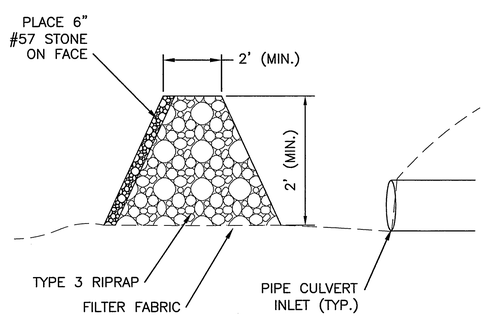
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



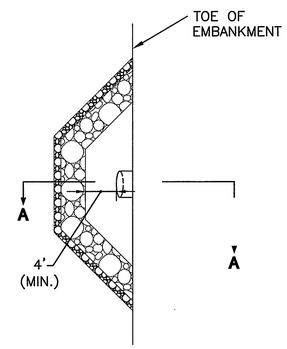
EXTENSION OF FABRIC AND WIRE INTO TRENCH
NOTE: USE 36" APPROVED FABRIC

TEMPORARY SILT FENCE - TYPE C (Sd1)

N.T.S.



SECTION A-A

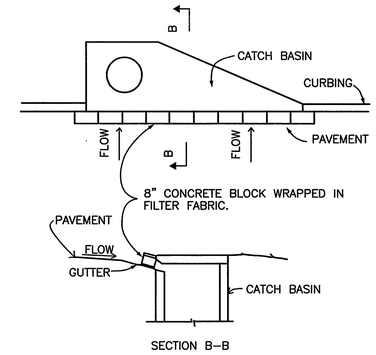


PLAN

NOTE: ALL COSTS ASSOCIATED WITH INLET FILTER RING, INCLUDING #57 STONE, RIPRAP, AND FILTER FABRIC SHALL BE INCIDENTAL TO THE COST OF THE INLET FILTER RING.

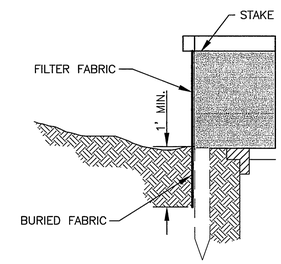
(Fr) **INLET FILTER RING DETAIL**

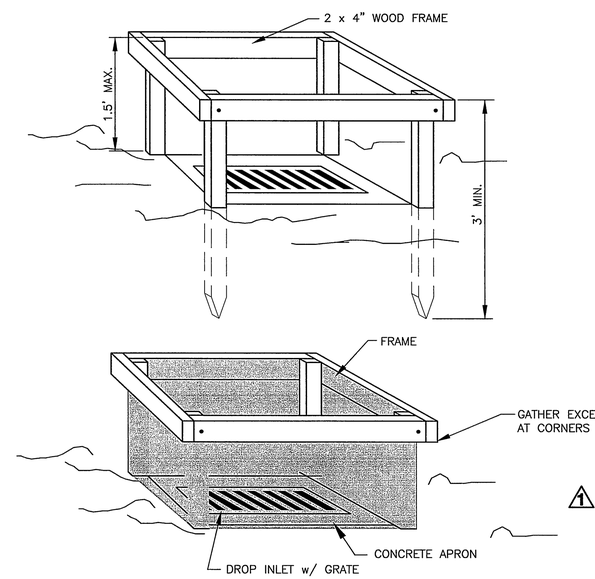
N.T.S.



SECTION B–B

CURB INLET PROTECTION





DROP INLET PROTECTION

(Sd2) **INLET PROTECTION**

N.T.S.

FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC	
Technician: CPC	
Checked by: QBW	
Project Number: 134948	
Notes:	

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27520 11/13/13 QUINTIN B. WATKINS

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
EROSION AND SEDIMENT CONTROL DETAILS NO. 1

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013	Sheet Number: 1 of 3
Scale: N.T.S.	Drawing Number: ECD-1

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Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

DEFINITION

A temporary vegetative cover with fast growing seedings for up to a 12-month period or until permanent vegetation is established.

PURPOSE

- Reduce runoff, erosion, and sedimentation.
- Improve wildlife habitat.
- Improve aesthetics.
- Improve tilth and organic matter.

INSTALLATION

- Install all E&SC measures prior to applying temporary vegetation.
- Grading or shaping are not required if slopes can be planted with a hydroseeder or by hand-seeding.
- Seedbed preparation is not required if soil is loose and not sealed by rain.

Ds2

- When the soil is sealed or crusted, it should be pitted, trenched or scarified to provide a place for seed to lodge and germinate.
- Agricultural lime is not required.
- Fertilize low fertility soils prior to or during planting at the rate of 500 – 700 pounds per acre of 10-10-10 fertilizer or equivalent (12-16 pounds/1000 square feet).
- It is imperative that you check the tag on the bag of seed to verify the type and germination of the seed to be planted.

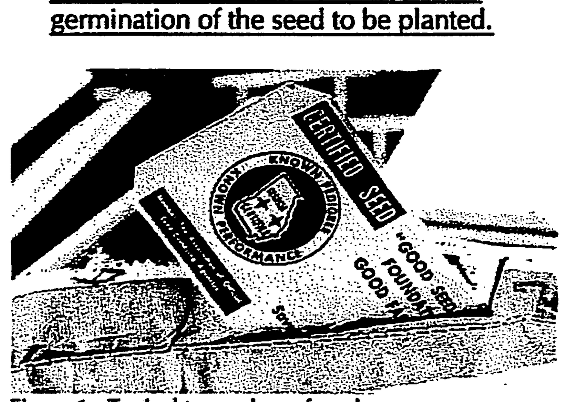


Figure 1. Typical tag on bag of seed.

- Apply seed by hand, cyclone seeder, drill or hydro-seeder. Seed planted with a drill should be planted 1/4"-1/2" deep. Refer to Pure Live Seed (PLS) in the Glossary.
- Apply in accordance with specifications on the E&SC plan. If information is not available, select a temporary cover from Table 1.
- Temporary cover shall be applied to all disturbed areas left idle for fourteen days. (If an area is left idle for 6 months, permanent cover shall be applied.)

Ds2

MAINTENANCE

- Re-seed areas where an adequate stand of temporary vegetation fails to emerge or where a poor stand exists.

REFERENCES

- Mb Erosion Control Matting and Blankets
- Ds1 Disturbed Area Stabilization (With mulching only)
- Pm Polyacrylamide (PAM)

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

DEFINITION

A permanent vegetative cover using grasses, trees, shrubs or legumes on highly erodible or critically eroded lands.

PURPOSE

- Reduce runoff and erosion.
- Improve wildlife habitat.
- Improve aesthetics.
- Improve tilth and organic matter.
- Reduce downstream complaints.
- Reduce likelihood of legal action.
- Reduce likelihood of work stoppage due to legal action.
- Increase "good neighbor" benefits.

INSTALLATION

- Use conventional planting methods, if possible.
- Apply according to approved plan, if shown, or refer to Table 1.

Ds3

- Check the tag on the bag of seed to verify the type and germination of the seed to be planted and the date of the test.

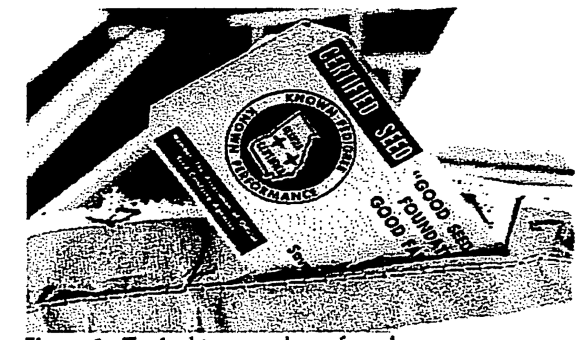


Figure 1. Typical tag on a bag of seed.

- Scarify, pit or trench sealed or crusted soil.
- Fertilize based on soil tests or as shown in Table 2.
- Apply agricultural lime as prescribed by soil tests or at a rate of 1 to 2 tons per acre.
- Apply seed by hand, cyclone seeder, drill or hydro-seeder. Seed planted with a drill should be planted 1/4"-1/2" deep.
- Straw or hay mulch shall be applied at a rate of 2 or 2.5 tons per acre.
- Irrigation should be used to supplement rainfall, but not to the extent to cause erosion.

Ds3

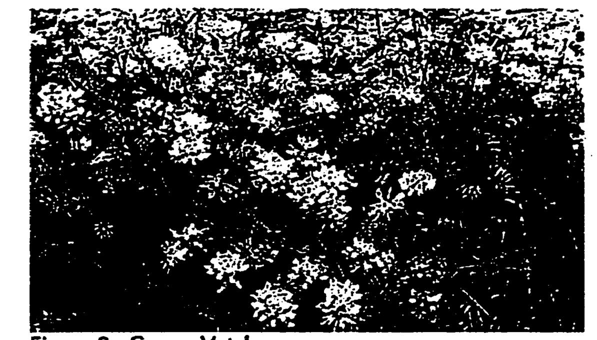


Figure 2. Crown Vetch.

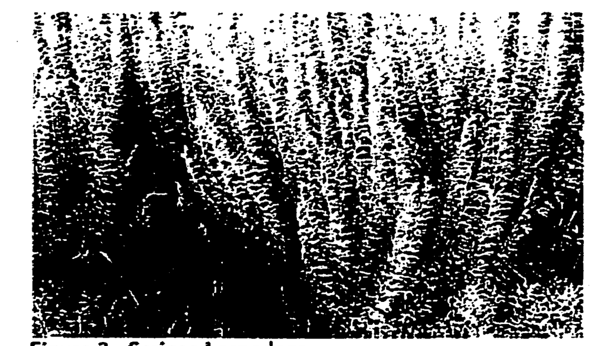


Figure 3. Sericea Lespedeza.

Ds3

MAINTENANCE

- Re-seed areas where an adequate stand of vegetation fails to emerge or where a poor stand exists.
- Apply fertilizer per Table 2.
- Apply one ton of agricultural lime or as indicated by soil test every 4-6 years.
- Mow Bermuda and Bahia as desired. Mow Sericea Lespedeza only after frost to ensure seeds are mature.
- Maintain 6" or more of top growth.

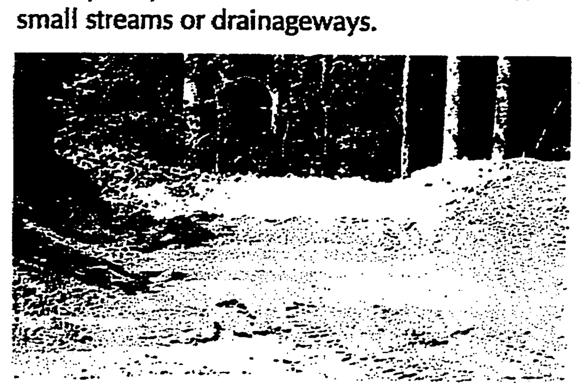
REFERENCES

- Mb Erosion Control Matting and Blankets
- Ds1 Disturbed Area Stabilization (With mulching only)
- Ds2 Disturbed Area Stabilization (With temporary seeding)

Rd ROCK FILTER DAM

DEFINITION

A temporary stone filter dam installed across small streams or drainageways.



PURPOSE

- Capture and filter sediment for removal when working in a stream or water body.
- Reduce velocity of water.

INSTALLATION

- Install according to approved plan, if shown.
- For use in small channels with drainage areas of 50 acres or less.
- Must be used in conjunction with other appropriate sediment control measures.
- Use below culvert installations, dam construction, or any project that may involve grading activity directly in a stream.
- Not intended to substantially impound water.
- Use at the upstream end of ponds or lakes.

Rd

- Edges should not be higher than the channel banks.
- Center should be at least 6 inches lower than the outer edges of the dam at the channel banks.
- Height should not exceed elevation of upstream property line.
- Side slopes should be 2:1 or flatter.
- Top width should be greater than 6 feet.
- Extend completely across the channel and securely tie into both channel banks.
- All other appropriate agencies, including the COE, must be contacted to ensure compliance with other Laws.

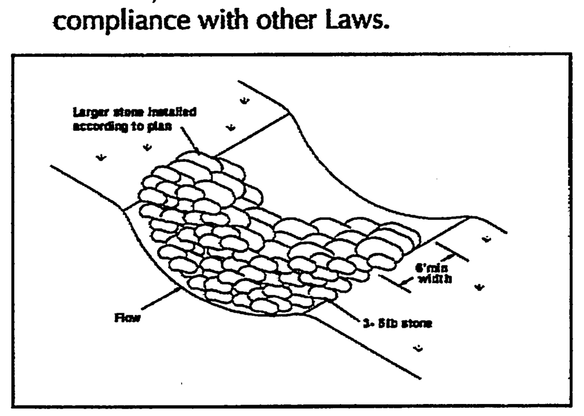


Figure 1. Rock filter dam installation requirements.

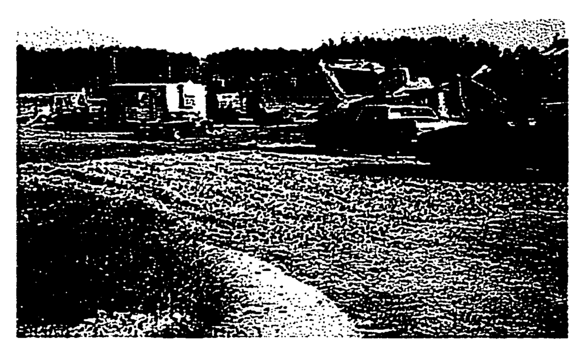
MAINTENANCE

- Requires periodic inspection and maintenance.
- Sediment removed when it reaches one-half of the original dam height.
- Remove at the completion of its useful life.

Co CONSTRUCTION EXIT

DEFINITION

A stone-stabilized pad located at any point where traffic will be leaving a construction site to a public right-of-way, street, alley, sidewalk, or parking area.



PURPOSE

Reduce or eliminate the transport of mud from the construction area.

INSTALLATION

- Install according to approved plan, if shown.
- Use 1.5"-3.5" stone.
- Minimum pad thickness of 6 inches.
- Minimum pad width of 20 feet.
- Minimum pad length of 50 feet.
- Excavate footprint 3 inches.
- If tire washing is required, route runoff from washing to an approved sediment trap or sediment basin.
- Install filter fabric under the entire pad.

Co

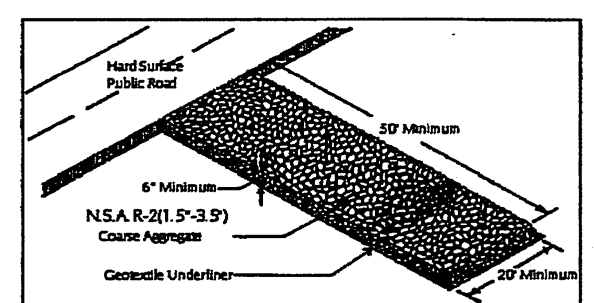


Figure 1. Crushed stone construction exit installation requirements.

Figure 2. Geotextile underliner under gravel pad.

MAINTENANCE

- Periodically dress with 1.5"-3.5" stone.
- Maintain in a condition that will prevent tracking or flow of mud onto public rights-of way.
- Immediately remove mud and debris tracked or spilled onto roadways.

Fr FILTER RING

DEFINITION

A temporary stone barrier constructed at storm drain inlets and pond outlets.

PURPOSE

This structure reduces flow velocities, preventing the failure of other sediment control devices. It also prevents sediment from leaving the site or entering drainage systems, prior to permanent stabilization of the disturbed area.

INSTALLATION

- Filter rings shall be used in conjunction with other sediment control measures, except where other practices defined in this manual are not appropriate.
- The filter ring shall surround all sides of the structure receiving runoff from disturbed areas.
- The ring should be placed a minimum of 4 feet from the structure.
- If the ring is utilized above a retrofit structure, it should be a minimum of 8 to 10 feet from the retrofit.
- When utilized at inlets with diameters less than 12 inches, the filter ring shall be constructed of stone no smaller than 3-5 inches (15-30 lbs).
- When utilized at pipes with diameters greater than 12 inches, the filter ring shall be constructed of stone no smaller than 10-15 inches (50-100 lbs).

Fr

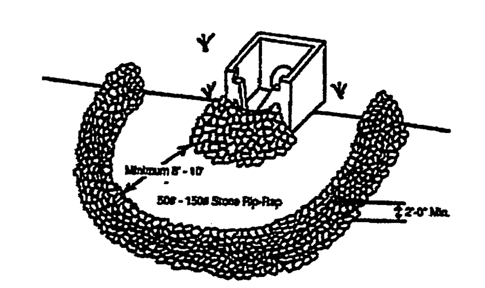
- The filter ring shall be constructed at a height no less than 2 feet above grade.

MAINTENANCE

The filter ring must be kept clear of trash and debris. This will require continuous monitoring and maintenance, which includes sediment removal when one-half full. These structures are temporary and should be removed when the land-disturbing project has been stabilized.

REFERENCES

- Rt Retrofit
- Sd3 Temporary Sediment Basin
- St Storm Drain Outlet Protection



STONE FILTER RING

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC	
Technician: CPC	
Checked by: QBW	
Project Number: 134948	

Notes:

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name: **OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD** (1)

Drawing Name: **EROSION AND SEDIMENT CONTROL DETAILS NO. 2**

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013	Sheet Number: 2 of 3
Scale: N.T.S.	Drawing Number: ECD-2

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Sd1 SEDIMENT BARRIER

DEFINITION

A temporary structure made of silt fence supported by steel or wood posts, sandbags, straw bales or other filtering material.

PURPOSE

- Slow the velocity of runoff and cause sediment deposition at the structure.
- Filter sediment from runoff.

INSTALLATION

- Install according to approved plan, if shown.
- Install along contours with ends pointing uphill.
- Do not place in waterways or areas of concentrated flow.

Sandbags (Sd1-S)

- Flow under or between bags should be minimal.
- Anchoring with steel rods may be required if height exceeds two bags.

Sd1

Hay or Straw Bales (Sd1-Hb)

- Place in a single row, lengthwise, on the contour.
- Embed in the soil to a depth of 4 inches.
- Secure with stakes or bars driven through the bales or by other adequate means.
- Place in areas of low rate sheet flow.
- For use on projects with a duration of three months or less.

Figure 1. Straw bale barrier installation requirements.

Brush (use during timber clearing operations) (Sd1-Bb)

- Pile in a row along the perimeter of land-disturbing activities.
- Windrow on the contour as close as possible.
- Compaction may be required.
- Filter fabric may be placed on the construction side of the brush barrier for added filtering capacity. Lower edge must be entrenched 4 to 6 inches deep. The upper edge must be fastened to the brush barrier.

Silt Fence (Sd1-A) (Sd1-B) (Sd1-C)

- Install where sheet flow conditions exist.
- Drainage area is not to exceed 1/4 acre per 100 ft. of silt fence.

Sd1

- Verify fabric by inspection of fabric name printed every 100 ft. of silt fence.
- Start post installation at the center of the lowest point with remaining posts spaced according to Figures 2, 3, or 4.

Table 1.
Criteria for Sediment Barrier Placement

Land Slope (percent)	Maximum Slope Length behind Fence (feet)
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20	15

- If non-erosive outlets are provided, slope length may be increased beyond that shown in Table 1.

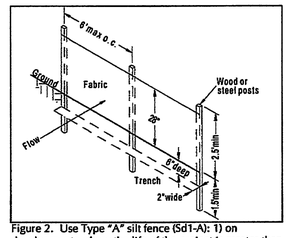


Figure 2. Use Type "A" silt fence (Sd1-A): 1) on developments where the life of the project is greater than six months, 2) where the slope gradient is steeper than 3:1.

Sd1

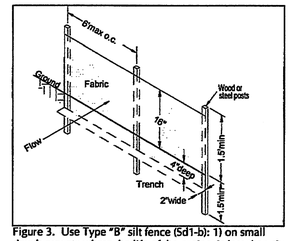


Figure 3. Use Type "B" silt fence (Sd1-b): 1) on small developments where the life of the project is less than six months, 2) where the slope gradient is less than or equal to 3:1.

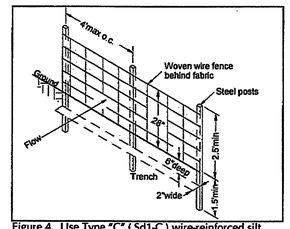


Figure 4. Use Type "C" (Sd1-C) wire-reinforced silt fence where fill slopes exceed a vertical height of 20 feet and the slope gradient is steeper than 3:1.

Sd1

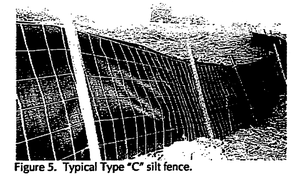


Figure 5. Typical Type "C" silt fence.

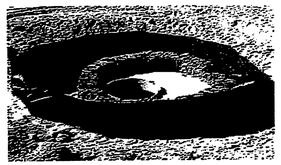
MAINTENANCE

- Inspect barriers at the end of each working day, or after each rain, and repair or clean as necessary.
- Remove sediment from barrier when one-half full.
- Dispose of sediment and stabilize it with vegetation.
- Replace filter fabric when deteriorated.
- Design life of a synthetic silt fence is approximately 6 months.
- Maintain until the project is vegetated or otherwise stabilized.
- Remove barriers and accumulated sediment and stabilize the exposed area when the project is stabilized.
- Approved silt fence fabrics are listed in the Georgia Department of Transportation Qualified Products List #36 (QPL-36).

Sd2 INLET SEDIMENT TRAP

DEFINITION

A temporary sediment barrier placed around a storm drain drop inlet.



PURPOSE

Prevent sediment from entering storm drainage systems.

INSTALLATION

- Install according to approved plan, if shown.
- Do not install where vehicular traffic will be affected.
- Install at or around all storm drain drop inlets that receive runoff from disturbed areas.
- Construct on natural ground surface, excavated surface, or on machine compacted fill.

Excavated Sediment Traps

- Minimum of 1.5 feet of sediment storage in excavated sediment traps.

Sd2

- Must be self-draining unless otherwise protected.

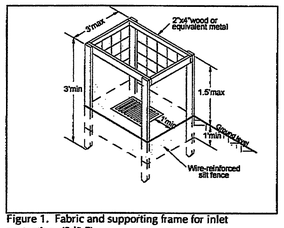


Figure 1. Fabric and supporting frame for inlet protection. (Sd2-F)

Block and Gravel Drop Inlet Protection (Sd2-Bg)

- Excavate foundation at least 2 inches below the crest of the storm drain.
- On each side of the structure, place one block in the bottom row on its side to allow pool drainage.
- Place the bottom row of blocks against the edge of the storm drain.
- Add support by placing 2"x4" wood studs through block openings.
- Fit hardware cloth or wire mesh with 1/2 inch openings over all block openings to hold gravel in place.
- Place clean gravel 2 inches below the top of the block on a 2:1 or flatter slope and smooth it to an even grade. DOT #57 stone is recommended.

Sd2

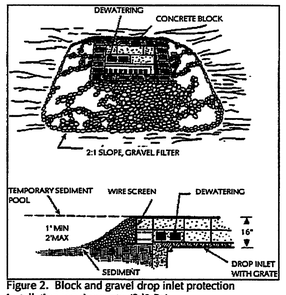


Figure 2. Block and gravel drop inlet protection installation requirements. (Sd2-Bg)

Gravel Drop Inlet Protection (Gravel Donut) (Sd2-G)

- 3:1 or flatter slope toward the inlet.
- Create a minimum 1-foot wide level stone area between the structure and the inlet to prevent gravel from entering the inlet.
- Place stone 3 inches in diameter, or larger, on the slope toward the inlet.
- Place ½" to ¾" gravel on the slope away from the inlet at a minimum thickness of 1 foot.

Curb Inlet Filter ("Pigs-in-a-Blanket") (Sd2-P)

- Install filter after asphalt pavement installation.
- Wrap 8" concrete blocks in filter fabric and span across catch basin inlet.
- Face openings in blocks outward.

Sd2

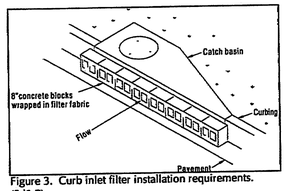


Figure 3. Curb inlet filter installation requirements. (Sd2-P)

- Leave a gap of approximately 4 inches between the curb and the filters to allow for overflow to prevent hazardous ponding.
- Install outlet protection below storm drain outlets.

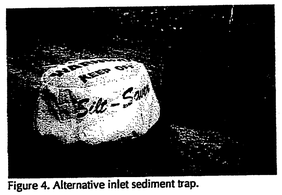


Figure 4. Alternative inlet sediment trap.

Sd2

MAINTENANCE

- Inspect, clear, and/or repair trap at the end of each working day.
- Do not remove inlet protection and wash sediment into the storm drain.
- Remove sediment from the trap and stabilize it with vegetation.
- Remove all materials and any unstable soil once the contributing drainage area has been adequately stabilized.
- Appropriately stabilize all bare areas around the inlet.

REFERENCES

- (Sd1) Sediment Barrier

FULTON COUNTY

FULTON COUNTY AIRPORT BROWN FIELD
ATLANTA, GEORGIA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
A UNIT OF MICHAEL BAKER CORPORATION

Designer: CPC
Technician: CPC
Checked by: QBW
Project Number: 134948
Notes:

GEORGIA REGISTERED NO. 27520 PROFESSIONAL ENGINEER QUINTIN B. WATKINS 11/12/13

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
EROSION AND SEDIMENT CONTROL DETAILS NO. 3

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 3 of 3
Scale: N.T.S.
Drawing Number: ECD-3

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GRASSING NOTES:

TEMPORARY GRASSING

1. APPLY TEMPORARY GRASSING TO DISTURBED AREAS WITHIN 14 DAYS OF LAND DISTURBING ACTIVITIES IF PERMANENT GRASSING IS NOT REQUIRED. APPLY TEMPORARY GRASSING TO SOIL STOCKPILES.
2. ALL AREAS RECEIVING TEMPORARY GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH.
3. APPLY SEED MIXTURE AT SPECIFIED APPLICATION RATE EVENLY. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. MULCH SHALL BE APPLIED IMMEDIATELY AFTER GRASSING. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
5. TACKIFIER IS TO BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS.
6. TEMPORARY MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED IN THE SPECIFICATIONS. SEED MIXTURES GROW RAPIDLY AND ARE LOW-MAINTENANCE.

PERMANENT GRASSING

1. APPLY PERMANENT GRASSING WHENEVER GRADING OPERATIONS ARE COMPLETE AND ALL ADDITIONAL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT GRASSING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.
2. ALL AREAS RECEIVING PERMANENT GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH AND/OR EROSION CONTROL MATTING. APPLY LIME AT A RATE BASED ON PH OF SOIL (SEE LIME REQUIRED FOR GRASSING BASED ON THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA). FOR DRY GRASSING, UNIFORMLY INCORPORATE INTO SOIL FOR A DEPTH OF 1 INCH AND LIGHTLY WATER TO AID THE DISSIPATION OF FERTILIZER.
3. APPLY SEED MIXTURE AT SPECIFIED RATES EVENLY IN TWO INTERSECTING DIRECTIONS BY THE USE OF A MECHANICAL SPREADER OR HYDROSEEDER. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. COMBINED HYDRAULIC APPLICATION OF SEED, FERTILIZER, AND MULCH MAY BE PERFORMED. TACKIFIER APPLICATION MAY BE WITHIN THE COMBINED MIXTURE IF ALLOWED BY MANUFACTURER'S RECOMMENDATIONS. HYDRAULIC SPRAYING EQUIPMENT AND MIXTURE SHALL BE DESIGNED SUCH THAT WHEN THE GRASS MIXTURE IS SPRAYED OVER THE AREA, THE MIXTURE COMPONENTS SHALL BE EQUAL IN QUANTITY TO THE SPECIFIED RATES.
5. WOOD FIBER MULCH SHALL BE APPLIED AS INDICATED IN THE PROJECT SPECIFICATIONS. STRAW MULCH SHALL BE UTILIZED TO PROVIDE A UNIFORM LOOSE DEPTH BETWEEN 1-1/2 TO 3 INCHES. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
6. PERMANENT MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED IN THE SPECIFICATIONS. THESE MIXTURES ARE GROW RAPIDLY AND ARE LOW-MAINTENANCE.

HYDROSEEDING

1. HYDROSEEDING IS THE WET HYDRAULIC SPRAYING OF SEED, FERTILIZER, TACKIFIER, AND USUALLY MULCH IN A ONE-STEP PROCESS. MATERIALS ARE MIXED WITH WATER IN A SLURRY TANK TO FORM A HOMOGENEOUS SLURRY, WHICH IS THEN SPRAYED ON THE SOIL SURFACE BY A HYDRAULIC SEEDER.
2. ORDINARY MULCH IS NOT SUITABLE FOR HYDROSEEDING. MULCH FOR HYDROSEEDING IS GENERALLY VIRGIN WOOD FIBER MULCH, MANUFACTURED TO BE UNIFORMLY SUSPENDED AS A SLURRY. STRAW MULCH SHALL BE APPLIED AFTER HYDROSEEDING.

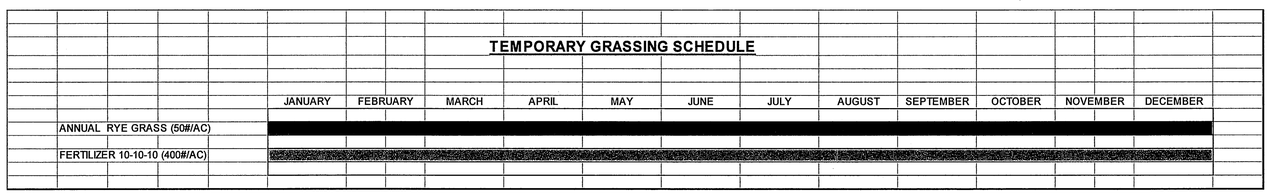
MAINTENANCE

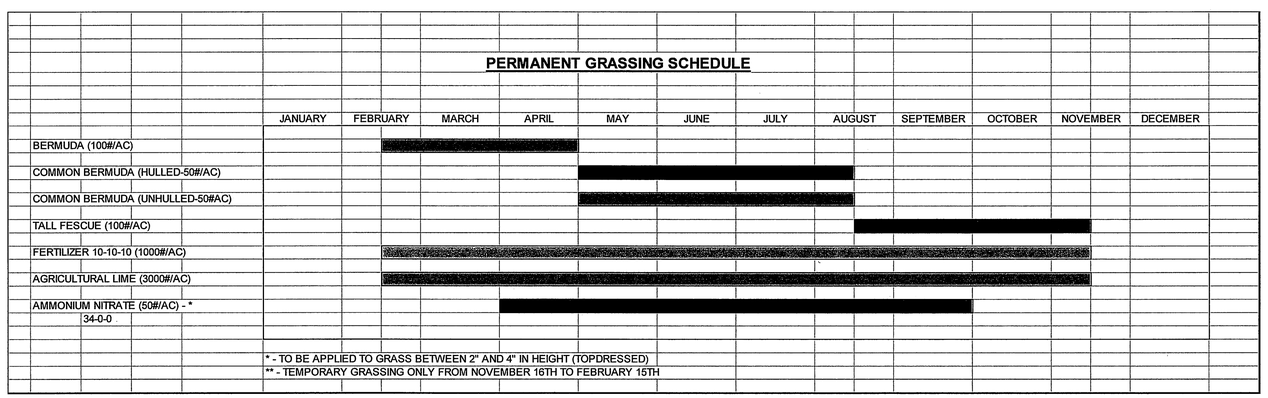
1. INSPECT FREQUENTLY WITHIN THE FIRST SIX WEEKS OF PLANTING TO SEE IF GRASS STANDS ARE UNIFORM AND DENSE, AND TO ASSURE THAT APPROPRIATE MOISTURE LEVELS ARE MAINTAINED. MAKE PROVISIONS TO WATER AS NEEDED.
2. CONTRACTOR TO REVISE AND MULCH AS NECESSARY UNTIL THE GRASS IS SATISFACTORY TO THE OWNER.
3. CHECK FOR DAMAGE CAUSED BY EQUIPMENT OR HEAVY RAINS. DAMAGED AREAS SHOULD BE REPAIRED, FERTILIZED, SEEDED, AND MULCHED. TACK OR TIE DOWN MULCH AS NECESSARY TO PREVENT BLOWING.
4. ADDITIONAL VEGETATION WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS AT CONTRACTOR EXPENSE.
5. GRASS THAT ATTRACTS WILDLIFE SHALL NOT BE USED.
6. AT THE TIME THAT A SATISFACTORY VEGETATION HAS BEEN ESTABLISHED, ALL TEMPORARY EROSION CONTROL BMPS SHALL BE REMOVED FROM THE SITE, AND ALL RETROFITTED DETENTION PONDS WILL BE CLEANED AND GRADED TO THE DETENTION POND DESIGN.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICE MAINTENANCE, REMOVAL, REPAIR, AND RECONSTRUCTION COSTS WILL BE INCIDENTAL TO THE COST OF THE PROJECT.

SPECIFICATIONS

REFER TO THE PROJECT SPECIFICATIONS AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR ADDITIONAL INFORMATION.

GRASSING SCHEDULE:





FULTON COUNTY

FULTON COUNTY AIRPORT
BROWN FIELD
ATLANTA, GEORGIA

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Designer: CPC
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GEORGIA REGISTERED NO. 27520 PROFESSIONAL ENGINEER QUINTIN B. WATKINS

REVISIONS

No.	Description	Date	By
1	REVISED DRAWING	11/18/13	SMS

Project Name:
OBSTRUCTION CLEARING FOR FULTON COUNTY AIRPORT - BROWN FIELD

Drawing Name:
GRASSING NOTES AND GRASSING SCHEDULE

FAA AIP PROJECT NUMBER:

Date: OCTOBER, 2013
Sheet Number: 1 of 1
Scale: N.T.S.
Drawing Number: GS-1

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