REGIONAL REVIEW NOTIFICATION

ATLANTA REGIONAL COMMISSION

Atlanta Regional Commission ● 229 Peachtree Street NE | Suite 100 | Atlanta, Georgia 30303 ● ph: 404.463.3100 fax: 404.463.3205 ● atlantaregional.org

DATE: March 15, 2018 **ARC REVIEW CODE**: V1803151

TO: Chairman Robb Pitts, Fulton County Board of Commissioners
ATTN TO: Randy Beck, Fulton County Public Works
FROM: Douglas R. Hooker, Executive Director, ARC

Digital signature
Original on file

The Atlanta Regional Commission (ARC) has received the following proposal and is initiating a regional review to seek comments from potentially impacted jurisdictions and agencies. The ARC requests your comments related to the proposal not addressed by the Commission's regional plans and policies.

Name of Proposal: RC-18-01FC Fulton County Airport-MALSR Replacement
Review Type: Metro River
MRPA Code: RC-18-01FC

Description: An application for a Metropolitan River Protection Act (MRPA) Certificate for a proposed project that will relocate and replace navigational and light structures on the approach path to Fulton County Airport on the Fulton side of the river, as required by the FAA. The existing approach and structures were in place before the Act took effect in 1998. To meet FAA requirements, four structures in the 500-year river floodplain will be more than 35 feet in height, which will exceed the Plan's height limit in that floodplain. Limitations on signal range between the navigational aids require that one tower be in the 150-foot river setback (it is being relocated from within the 50-foot buffer). While these issues prevent the proposal from being fully consistent with the Plan, it is staff opinion that the signal range limits and FAA requirements are physical and legal hardships that prevent the project from achieving full consistency, and that the proposed design will not increase development or activity intensity over existing levels. For these reasons, staff proposes a finding of equivalent to a project that is fully consistent with the Plan.

Preliminary Finding: ARC's preliminary finding is that the proposed development, while not consistent with the Chattahoochee Corridor Plan in all respects, will provide a level of land and water resource protection equivalent to an application consistent with the Plan.

Submitting Local Government: Fulton County
Land Lot: 53 **District:** 14 **Section:**
Date Opened: March 15, 2018
Deadline for Comments: *March 25, 2018*
Earliest the Regional Review can be Completed: March 26, 2018

THE FOLLOWING LOCAL GOVERNMENTS AND AGENCIES ARE RECEIVING NOTICE OF THIS REVIEW:

ARC COMMUNITY DEVELOPMENT	ARC TRANSPORTATION ACCESS & MOBILITY	ARC NATURAL RESOURCES
GEORGIA DEPARTMENT OF NATURAL RESOURCES	CHATTAHOOCHEE RIVERKEEPER	GEORGIA CONSERVANCY
NATIONAL PARK SERVICE/CRNRA	COBB COUNTY	CITY OF ATLANTA

If you have any questions regarding this review, please contact Robert Herrig at Rherrig@atlantaregional.org or (470) 378-1636. If ARC staff does not receive comments from you on or before March 25, 2018, we will assume that your agency has no additional comments and will close the review. Comments by email are strongly encouraged. **The ARC review website is located at:** http://www.atlantaregional.org/land-use/planreviews.

Attached is information concerning this review.

ARC STAFF NOTICE OF REGIONAL REVIEW AND COMMENT FORM

DATE: March 15, 2018 **ARC REVIEW CODE**: V1803151

TO: ARC Community Development and Natural Resources Managers
FROM: Robert Herrig, 470-378-1636

Reviewing staff by Jurisdiction:

Community Development: Herrig, Robert **Natural Resources:** Santo, Jim
Transportation Access & Mobility: Bradshaw, Patrick

Name of Proposal: RC-18-01FC Fulton County Airport-MALSR Replacement
Review Type: Metro River
Description: An application for a Metropolitan River Protection Act (MRPA) Certificate for a proposed project that will relocate and replace navigational and light structures on the approach path to Fulton County Airport on the Fulton side of the river, as required by the FAA. The existing approach and structures were in place before the Act took effect in 1998. To meet FAA requirements, four structures in the 500-year river floodplain will be more than 35 feet in height, which will exceed the Plan's height limit in that floodplain. Limitations on signal range between the navigational aids require that one tower be in the 150-foot river setback (it is being relocated from within the 50-foot buffer). While these issues prevent the proposal from being fully consistent with the Plan, it is staff opinion that the signal range limits and FAA requirements are physical and legal hardships that prevent the project from achieving full consistency, and that the proposed design will not increase development or activity intensity over existing levels. For these reasons, staff proposes a finding of equivalent to a project that is fully consistent with the Plan.
Submitting Local Government: Fulton County
Date Opened: March 15, 2018
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Response:

1) Proposal is CONSISTENT with the following regional development guide listed in the comment section.
2) While neither specifically consistent nor inconsistent, the proposal relates to the following regional development guide listed in the comment section.
3) The proposal is INCONSISTENT with the following regional development guide listed in the comment section.
4) The proposal does NOT relate to any development guide for which this division is responsible.
5) Staff wishes to confer with the applicant for the reasons listed in the comment section.

COMMENTS:

APPLICATION FOR
METROPOLITAN RIVER PROTECTION ACT CERTIFICATE

1. **Name of Local Government:** FULTON COUNTY

2. **Owner(s) of Record of Property to be Reviewed:**
   Name(s): FULTON COUNTY
   Mailing Address: 141 PRYOR STREET SW, SUITE 7000
   City: Atlanta **State:** GA **Zip:** 30303
   Contact Phone Numbers (w/Area Code):
   Daytime Phone: (404)613-4203 **Fax:** (404) 893-6287
   Other Numbers:

3. **Applicant(s) or Applicant's Agent(s):**
   Name(s): BILL PRICE
   Mailing Address: 1701 COLUMBIA AVE
   City: COLLEGE PARK **State:** GA **Zip:** 30337
   Contact Phone Numbers (w/Area Code):
   Daytime Phone: (404)305-7409 **Fax:** (404)305-7497
   Other Numbers:

4. **Proposed Land or Water Use:**
   Name of Development: FULTON CO. AIRPORT-MALSR REPLACEMENT
   Description of Proposed Use: MALSR (NAVIGATION EQUIPMENT) FOR RUNWAY 08

5. **Property Description (Attach Legal Description and Vicinity Map):**
   Land Lot(s), District, Section, County: LAND LOT: 53 DISTRICT: 14F COUNTY: FULTON
   Subdivision, Lot, Block, Street and Address, Distance to Nearest Intersection:

   Size of Development (Use as Applicable):
   Acres: **Inside Corridor:** ~~0.026~~ 3.023 ac (Corrs 7/15/10)
   Outside Corridor:
   Total:
   Lots: **Inside Corridor:**
   Outside Corridor:
   Total:
   Units: **Inside Corridor:**
   Outside Corridor:
   Total:
   Other Size Descriptor (i.e., Length and Width of Easement):
   Inside Corridor:
   Outside Corridor:
   Total:

6. **Related Chattahoochee Corridor Development:**

   A. **Does the total development include additional land in the Chattahoochee Corridor that is not part of this application?** YES

   If "yes", describe the additional land and any development plans: Additional facilities are proposed that are not a substantial change to existing conditions. See Sheet C005.

   B. **Has any part of the property in this application, or any right-of-way or easement bordering this land, previously received a certificate or any other Chattahoochee Corridor review approval?** NO

   If "yes", please identify the use(s), the review identification number(s), and the date(s) of the review(s): __________

7. **How Will Sewage from this Development be Treated?**

   A. **Septic tank** N/A

   Note: For proposals with septic tanks, the application must include the appropriate local government health department approval for the selected site.

   B. **Public sewer system** __________

8. **Summary of Vulnerability Analysis of Proposed Land or Water Use:**

Vulnerability Category	Total Acreage (or Sq. Footage)	Total Acreage (or Sq. Footage) Land Disturbance	Total Acreage (or Sq. Footage) Imperv. Surface	Percent Land Disturb. (Maximums Shown In Parentheses)	Percent Imperv. Surf. (Maximums Shown In Parentheses)
[redacted]					
A				(90)	(75)
B				(80)	(60)
C				(70)	(45)
D				(50)	(30)
E	130,680 sf	4,670 sf	2,675 sf	(30) 3.55%	(15) 2.032%
F				(10)	(2)
Total:		4,670	2,675	~~N/A~~	~~N/A~~

Au - JMS - 3/4/12

9. **Is any of this Land within the 100-Year Floodplain of the Chattahoochee River?** YES
   If "yes", indicate the 100-year floodplain elevation: 763.5'
   NOTE: The 100-year river floodplain is defined as the natural land surface below the one hundred- (100) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
   NOTE: All river 100-year floodplain is assigned to the "E" Category; its allowable allocations can be combined with those of other "E" land in the review. Also, 100-year floodplain cannot be reanalyzed and cannot accept transfers.

10. **Is any of this land within the 500-year floodplain of the Chattahoochee River?** YES
    If "yes", indicate the 500-year flood plain elevation: 766 (DM 3/19/10)
    NOTE: The 500-year floodplain is defined as the natural land surface below the five hundred- (500) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
    NOTE: Plan Standards include a 35-foot height limit above the pre-construction grade within the 500-year floodplain (includes the 100-year floodplain). Adherence to this standard must be noted on the submitted plans (see Part 2.B.(4) of the Chattahoochee Corridor Plan).

11. **The following is a checklist of information required to be attached as part of the application. Individual items may be combined.**

FOR ALL APPLICATIONS:

✓ **Description of land in the application and any additional land in the project (attach legal description or surveyed boundaries).**

✓ **Name, address, and phone number(s) of owner(s) of record of the land in the application. (Space provided on this form)**

✓ **Written consent of all owners to this application. (Space provided on this form)**

✓ **Name, address, and phone number(s) of applicant or applicant's agent. (Space provided on this form)**

✓ **Description of proposed use(s). (Space provided on this form)**

____ **Existing vegetation plan.**

____ **Proposed grading plan.**

____ **Certified as-builts of all existing land disturbance and impervious surfaces.**

____ **Approved erosion control plan.**

____ **Detailed table of land-disturbing activities. (Both on this form and on the plans)**

____ Plat-level plan showing (as applicable): lot boundaries; any other sub-areas; all easements and rights-of-way; 100- and 500-year river floodplains; vulnerability category boundaries; topography; any other information that will clarify the review.

____ Documentation on adjustments, if any.

____ Cashier's check or money order (for application fee).

FOR SINGLE-STEP APPLICATIONS (NON-SUBDIVISION):

____ Site plan.

____ Land-disturbance plan.

FOR TWO-STEP SINGLE-FAMILY SUBDIVISION APPLICATIONS ONLY:

____ Concept plan.

____ Lot-by-lot and non-lot allocation tables.

12. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act: (use additional sheets as necessary)

Signature(s) of Owner(s) of Record — Date: 1/31/2018

13. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act:

Signature(s) of Applicant(s) or Agent(s) — Date: 1-28-2018

14. The governing authority of _____ requests review by the Atlanta Regional Commission of the above-described use under the Provisions of the Metropolitan River Protection Act.

Signature of Chief Elected Official or Official's Designee — Date: 3/15/18

PARSONS

T4, Eastern Service Area, Southern Region
3800 Camp Creek Parkway, Building 2400, Suite 106 • Atlanta, Georgia 30331 • (404) 766-1693 • Fax: (404) 559-1715

February 12, 2018

Fulton County Department of Environment & Community Development
141 Pryor Street
Atlanta, GA 3303

REFERENCE: Work Release ASO-1747
Fulton County Airport – Brown Field Airport
Runway 08 MALSR Replacement
Atlanta, GA

To whom it may concern:

The proposed replacement of the Runway 08 MALSR (Medium Intensity Approach Light System w/RAIL) involves removing six existing light stations and replacing with new light stations plus installing new threshold lights and a new MALSR equipment shelter. The total disturbed area for this project on the Fulton County side of the Chattahoochee River is 0.19 acres. The total proposed new impervious is 4,845 s.f. whereas the total existing impervious being removed and stabilized with sod is 3,050 s.f. leaving a net increase of 1,795 s.f. of impervious area. All runoff from the project areas flows directly into the Chattahoochee River without crossing any adjacent property lines. Given the total drainage area of the airport and the total drainage area of the Chattahoochee River, any increase in storm flows due to the slight increase in impervious area from the this project is negligible. Also, due to the significant lag time of the Chattahoochee River, any peak flows from this project area will be dissipated long before the peak flow of the river. Therefore, no downstream properties will be adversely impacted by storm flows due to the construction of this project.

Should you have any questions, please call me at (404) 209-5581.

Sincerely,

Alan C. Hennington, PE
Lead Civil Engineer
T4, Eastern Service Area, Southern Region

FULTON COUNTY

DEPARTMENT OF ENVIRONMENT & COMMUNITY DEVELOPMENT
5440 Fulton Industrial Boulevard
Atlanta, Georgia 30336
(404) 612-9460 FAX (404) 612-6383
www.fultonecd.org

FLOOD PLAIN CHECKLIST

Project Name: Fulton County Airport – MALSR Replacement Tax ID #: 14F0053 LL0143, 14F0053 LL0010

Project Number: _____ Date: _____

Reviewed By: Amsberry Telephone: 470-363-9519

Please address all items marked with an "X"

✓ X 1. General (all projects)

A. Provide F.E.M.A Flood Insurance Rate Map (F.I.R.M.) excerpt on the cover sheet for the subject site development plans on which the site is delineated.

B. Provide statement below F.E.M.A. F.I.R.M. excerpt on cover sheet of plans:
"This site [is/is not] located within a zone [A, AE, shaded zone X] as defined by F.I.R.M Community Panel Number(s) 135160 _____ for unincorporated Fulton County, Georgia. (Use Sep 13, 2013 map)."

____ 2. Flood Zone AE within site:

✓ X A. Cleary delineate flood zone extents and both the existing and proposed 100 year flood elevations on plans.

B. Provide project benchmark, with elevation, tied to Fulton County G.I.S. monument. Use N.G.V.D. or Mean Sea Level Datum.

C. If the proposed work encroaches within Zone AE. The following is required:

1. Professional Engineer's certification that the proposed work will not:
   a) raise the base flood elevation outside of the property limits;
   b) reduce the flood storage capacity in the flood plain (fill placed within flood plain must be compensated and all cut areas must gravity drain to watercourse);
   c) impede the movement of flood waters;
   d) change the flow characteristics of the flood waters; and
   e) create hazardous or erosion-producing velocities.

2. Flood study, prepared by Professional Engineer, substantiating the certification.

3. Application to F.E.M.A. for a conditional F.I.R.M. revision to be submitted to F.E.M.A. through Fulton County.

D. Provide a RECORDED copy of the Fulton County Flood Plain Indemnification Agreement.

____ 3. If Flood Zone A and /or shaded Zone X exists within site:

A. Clearly delineate flood zone extents and both the existing and proposed 100 year flood elevations on plans.

B. Provide project benchmark, with elevation, tied to Fulton County G.I.S. monument. Use N.G.V.D. or Mean Seal Level Datum.

C. Provide flood study, prepared by a Professional Engineer, that determines both the existing and proposed extents and elevations of the flood zone.

D. Locate all flood study sections on the plans and state the existing and proposed flood elevations at each section.

E. If the proposed work encroaches within Zone A or shaded Zone X. The following is required:

1. Professional Engineer's Certification that the proposed work will not:
   a) raise the base flood elevation outside of the property limits;
   b) reduce the flood storage capacity in the flood plain (fill placed within flood plain must be compensated and all cut areas must gravity drain to watercourse);
   c) impede the movement of flood waters;
   d) change the flow characteristics of the flood waters; and
   e) create hazardous or erosion-producing velocities.

2. At County's request, application to F.E.M.A .for a conditional F.I.R.M. revision to be submitted to F.E.M.A. through Fulton County.

F. Provide a RECORDED copy of the Fulton County Flood Plain Indemnification Agreement.

____ 4. State the "lowest floor elevation," including basement and attached garage, for each lot affected by the flood plain. ADD As General NOTE. /

____ 5, Per article 4.24.9.G, certify and submit calculated areas to demonstrate that no lot area has less than 50% of the minimum lot area (as established by the applicable zoning district regulations) above the level of the intermediate regional flood contour elevation, as well as no less than 70% of the buildable land area of any lot that lies above the base flood elevation by a minimum of one foot.

____ 6. Show the following **NOTES** on the construction plans:

A. The flood zone(s) _____ shown hereon are based on the Fulton County Community Panels (F.I.R.M.) [Numbers/Numbers] 135160 _____.

B. The base flood (I.R.F.) elevations shown heron are based on the flood elevation study by _____, etc.

OR

The base flood (I.R.F.) elevations shown hereon are based on the flood insurance studies for unincorporated Fulton County.

C. All construction including grading and filling within the flood plain shown hereon shall be in conformance with the Fulton County Zoning Resolution Article 4, Section 24.

D. All cut and fill within the flood plain shall be field verified and certified by a Professional Engineer.

E. All intermediate regional flood plain shall be field located and staked prior to encroachment within them. Such location shall be maintained clear and visible throughout construction and final approval.

F. When utility (storm drains, sewers, etc.) construction is within a flood plain:

1. The contractor shall restore the flood plain to the original condition and grade immediately upon completion.

2. Upon completion of restoration, a Professional Engineer shall certify in writing to the Department of Environment and Community Development that all work is complete and the flood plain restored.

G. When any construction borders a flood plain:

1. The contractor shall restore the flood plain to the original condition and grade immediately upon completion.

2. Upon completion of restoration, a Professional Engineer shall certify in writing to the Department of Environment and Community Development that all work is complete and the flood plain restored.

H. The lowest floor elevation includes basement and attached garage.

X 7. Show the limits of construction and the quantities of cut/fill proposed within the flood plain on the construction plans. Show a grading plan with quantities and proposed contours for the area where the compensating cut is to be made. When fill or cut is proposed within a flood plain, a plan and profile based on field run cross sections shall be submitted as part of the land disturbance permit. The horizontal and vertical scales shall be such that the contractor can clearly determine the extent and amount of work and such as to facilitate the engineer in submitting the required certification.

IF Ø STATE
CUT = 0 / FILL = Ø

DEPARTMENT OF ENVIRONMENT & COMMUNITY DEVELOPMENT
141 Pryor Street, SW, Suite 2085
Atlanta, Georgia 30303
(404) 730-7800 FAX (404) 730-7818
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FULTON COUNTY

EROSION CONTROL CHECKLIST

Project Name: Fulton County Airport – MALSR Replacement Tax ID #: 14F0053 LL0010, 14F0053 LL0143

Project Number: ______________ Date: ______________

Reviewed By: Ansberry ______________ Telephone: ______________

Please address all items marked with an "X"

I. ZONING RESOLUTION/STATE REGULATIONS

X 1. Per Article 34.4.1.c, show a separate sheet dedicated to an erosion control plan for the site.
IF THIS ITEM HAS NOT BEEN COMPLETED, PLAN REVIEW STAFF SHALL END REVIEW AT THIS POINT AND APPLICANT SHALL RESUBMIT AFTER COMPLIANCE. NO FURTHER REVIEW WILL BE CONDUCTED UNTIL THIS PREREQUISITE IS COMPLETED.

****

____ 2. Per Article 34.4.3.7.g, submittal base siltation study of any immediate water bodies located on the development site and/or downstream of the properties.

____ 3. Per Article 34.4.3.7.g, show note on Erosion Control Plan:
Prior to the recording of the final plat for each phase of development, base siltation studies of any water bodies located on the developmentsiteand/oradjacentpropertiesshallbesubmittedtotheDirector of the Environment and Community Development. Said studies shall identify, for removal by the applicant, prior to recording of the final plat for each phase of development, all siltation resulting from the development.

II. EROSION CONTROL PLAN

✓ X 1. Show a diagrammatic sketch of the site and adjacent properties, including watercourses, residents, etc., located below the site, and, therefore, potentially affected by erosion. Indicate approximate distances.

✓ X 2. Show existing and proposed grading and topographic contours, including but not limited to:
1). Cut and fill areas
2). Ditch section

✓ X 3. Show soil series and delineation.

X 4. Minimum contour interval to be 2 feet, maximum to be 5 feet; Contour lines shall be based on mean sea level datum.

X 5. Indicate scale or scales of the drawings. Scale not to be smaller than 1" = 100'.
X 6. Show magnetic or grid north indicator.

X 7. Show the use and location of all standard erosion control practices, identified with the coding symbols outlined in Chapter 6 of the Manual of Erosion and Sedimentation Control, 2nd Edition, by the Georgia Water and Soil Conservation Service. ALL SILT FENCE BELOW STOCK PILE AREA

X 8. Show or revise a complete set of details of all erosion control measures, with the corresponding codes symbols (silt gates, sediment dams, check dams, weir structures, construction exists, etc.). These details should state installation procedures as outlined in Chapter 6 of the Manual of Erosion and Sedimentation Control, 2nd Edition, by the Georgia Water and Soil Conservation Service.

____ 9. Temporary sediment basins shall be designed and shown at all detention sites and all major drainage exits. Sediment basin location, the detention facility shall be designed to provide temporary silt protection.

____10. Show storm water and sediment management systems - storage capacity, hydrologic study, and calculations, including off-site drainage area.

____11. Provide a vegetative plan for temporary and permanent stabilization practices, including species, planting dates, seeding, fertilizer, and mulching rates.

____12. On slopes of 4:1 or greater, show anchoring of mulch or other temporary slope stabilization cover, slopes may require compaction test up to 95% standard proctor density.

X 13. Label size of all drainage structures.

X 14. Show all drainage structure outlets erosion proofed with rip-rap or equivalent. The minimum length of the rip-rap is to be six times the outlet pipe diameter and two times its width.

X 15. Show an undisturbed natural vegetative buffer of 25 feet from the top of each stream bank adjacent to any state water.

____16. Show an undisturbed natural vegetative buffer of 100 feet from the top of each stream bank in South Fulton County.

X 17. Show size of total site, in acres.

X 18. Show the project owner or developer's name, address, and phone number.

X 19. Show an EMERGENCY 24-HOUR CONTACT NUMBER, provided in bold print.

X 20. Show or revise a project time schedule of construction activities to include the following:
A. Installation of sediment control measures.
B. Clearing, grubbing, and grading operations.
C. Grassing - including temporary and permanent vegetation.
D. Maintenance of erosion and sediment control measures.
E. Final landscaping, grassing, etc., cleaning of storm drains.

X 21. Show or revise general erosion control notes per the following:

General Erosion Control Notes:

A. A silt fence must meet the requirements of Section 171-Temporary Silt Fence of the Department of Transportation, State of Georgia, Standard Specifications, 1983 Edition.

B. Additional erosion control measures will be employed where determined necessary by actual site conditions.

C. Provisions to prevent erosion of soil from site shall be, as minimum, in conformance with the requirements of the County Erosion and Sedimentation Ordinance and the Fulton County Code of Laws dealing with erosion and sedimentation.

D. Prior to any other construction, a stabilized construction entrance shall be constructed at each entry to or exit from the site.

E. The construction exists shall be maintained in a condition which will prevent tracking or flow of mud on to public right-of-way. This may require periodic top dressing with stone, as conditions demands, and repair and/or clean-out of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicle onto public roadway or into storm drain must be removed.

F. 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 shall occur outside the approved limits indicated on the approved plans.

G. Immediately after the establishment of construction entrances/exits, all perimeter erosion control devices and storm water management devices shall be installed prior to any other construction.

H. Owner agrees to provide and maintain off-street parking on the subject property during the entire construction period.

I. The contractor shall furnish and maintain all necessary barricades while roadway frontage improvements are being made.

J. The construction of the site will initiate with the installation of erosion control measures sufficient to control sediment deposits and erosion. All sediment control will be maintained until all up stream ground within the construction area has been completely stabilized with permanent vegetation and all roads/driveways have been paved.

K. Erosion control devices shall be installed immediately after ground disturbance occurs. The location of some of the erosion control devices may have to be altered from that shown on the approved plans if drainage patterns during construction are different from the final proposed drainage patterns. It is the contractor's responsibility to accomplish erosion control for all drainage patterns created at various stages during construction. Any difficulty in controlling erosion during any phase of construction shall be reported to the engineer immediately.

L. All silt barriers must be placed as access is obtained during clearing. No grading shall be done until silt barrier installation and detention facilities are constructed.

M. Contractor shall maintain all erosion control measures until permanent vegetation has been established. Contractor shall cleanout all sediment ponds when required by Engineer or Fulton County Inspector. Contractor shall inspect erosion control measures at the end of each working day to ensure measures are functioning properly.

N. The contractor shall remove accumulated silt when the silt is within 12" of the top of the silt fence utilized for erosion control. In the detention pond, silt shall be removed when a depth of 18" has accumulated at the weir.

O. Failure to install, operate or maintain all erosion control measures will result in all construction being stopped on the job site until such measures are corrected back to Fulton County Standards.

P. All construction shall conform to Fulton County Standards and Specifications.

Q. A copy of the approved land disturbance plan and permit shall be present on the site when ever land disturbance activity is in progress.

R. All sewer easements disturbed must be dressed and grassed to control erosion.

S. All open swales must be grassed, and rip-rap must be placed as required to control erosion. A minimum of 4.5 square yards of 50-pound stone shall be placed at all down stream head- placed immediately upon the installation of pipes and drainage ditches.

T. Silt barriers to be placed at downstream toe of all cut and fill slopes.

U. Provide Fulton County Standard 201 - Type #1 silt gates at all inlet headwalls.

V. Provide Fulton County Standard 201 - Type #3 silt gates at all catch basins, junction boxes, manholes, and drop inlets.

W. Any disturbed area left exposed for a period greater than 14 days shall be stabilized with temporary seeding.

X. When any construction borders a drainage course:

1. The contractor is responsible for removing any building or other excavation spoiled dirt, construction trash or debris, etc., from the drainage areas shown hereon in an expeditious manner as construction progresses.

2. The contractor hereby agrees to stop all work and restore these areas immediately upon notification by Fulton County.

3. Upon completion of restoration, a professional engineer shall certify in writing to the Environment and Community Development Department that all clean-up is complete and the drainage course restored to original condition and grade.

III. GRADING ONLY PROJECTS

____ 1. Provide a performance bond for the completion of re-vegetation and site stabilization per Worksheet 1 below.

____ 2. Show the following notes:
A. A performance bond for grading, erosion control, re-vegetation and site stabilization will be required in the amount of $_____.
B. The bond posted shall remain in force and be renewable from phase to phase.
C. The Contractor shall provide traffic control by posting signalmen and clean-up crews for the duration of hauling.
D. All traffic control and clean-up crew operations shall conform to the Manual of Uniform Traffic Control Devices.
E. Hauling operations shall not be permitted during peak traffic flow periods: 7 - 9 am and 4 - 6 pm.
F. Contractor shall be responsible for repair of any damage to roadway caused by hauling operations. Existing conditions shall be documented in engineer's biweekly report.

WORKSHEET 1

1. Fine Grading	$1000.00/Acre X ____ Acres	= $ _____
2. Seeding	$1000.00/Acre X ____ Acres	= $ _____
3. Trees	$450.00/Acre X ____ Acres	= $ _____
	1st Sub-total	= $ _____
4. Clean-up	15% X 1st Sub-total	= $ _____
	2nd Sub-total	= $ _____
5. Contingency	20% X 2nd Sub-total	= $ _____
	Total (round to nearest 1000th)	= $ _____

Acceptable Forms of Bonds:

1. Surety bond from bonding company
2. Letter of Credit from local financial institution
3. Cashier's check
4. Certificate of Deposit from local financial institution

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: _____

Project Name: MALSR REPLACEMENT Address: FULTON COUNTY AIRPORT AT BROWN FIELD

City/County: ATLANTA/FULTON COUNTY Date on Plans: 2/14/2018

Name&email of person filling out checklist: JAVIER CORTES - Javier.CTR.Cortes @faa.gov

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
these sheets	X	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. INCLUDE ON PLANS (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
1,3,4	✓	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
N/A	✓	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)
TBD	X	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C001	X	5 Provide the name, address and phone number of primary permittee. MUST BE ON PLAN.
C001	✓	6 Note total and disturbed acreage of the project or phase under construction.
C003 C004	✓	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C001	✓	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C002	✓	9 Description of the nature of construction activity.
C001	✓	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. CHATT A HOOCHIE IS RECEIVING WATERS.
C002		11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. ADD AS NOTE
C002	✓	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
C002	X	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
C002	✓	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."*
C002	✓	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
C003 NOTE 4	OK	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C002	✓	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
C002	✓	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*

C002	✓	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C002	✓	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C002	✓	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	✓	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	✓	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
N/A	X	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.* ADD AS NOTE.
N/A	X	25 Provide BMPs for the remediation of all petroleum spills and leaks. ~~Heel~~ CONSTRUCTION EQUIPMENT
N/A	~~X~~ 06	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
N/A	✓	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
N/A	~~X~~	28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization). REQUIRED
N/A	~~X~~ 06	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
N/A	~~X~~ 06	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
N/A	✓	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
N/A	✓	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
N/A	✓	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
N/A	✓	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
N/A	✓	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
ALL	✓	36 Graphic scale and North arrow.
C003 C004	✓	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

N/A	✓	38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	✓	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
C003 C004	✓	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
C003	✓	41 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
N/A	✓	42 Delineation and acreage of contributing drainage basins on the project site.
N/A	✓	43 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
N/A	X	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. ADD AS NOTE.
N/A	✓	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C003 C004	✓	46 Soil series for the project site and their delineation.
C003 C004	✓	47 The limits of disturbance for each phase of construction.
N/A	X	48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justfication explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permitees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
C003 C004	X	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. ADD SILT FENCE BELOW STOCKPILE AREA.
C007	X	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C007	✓	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

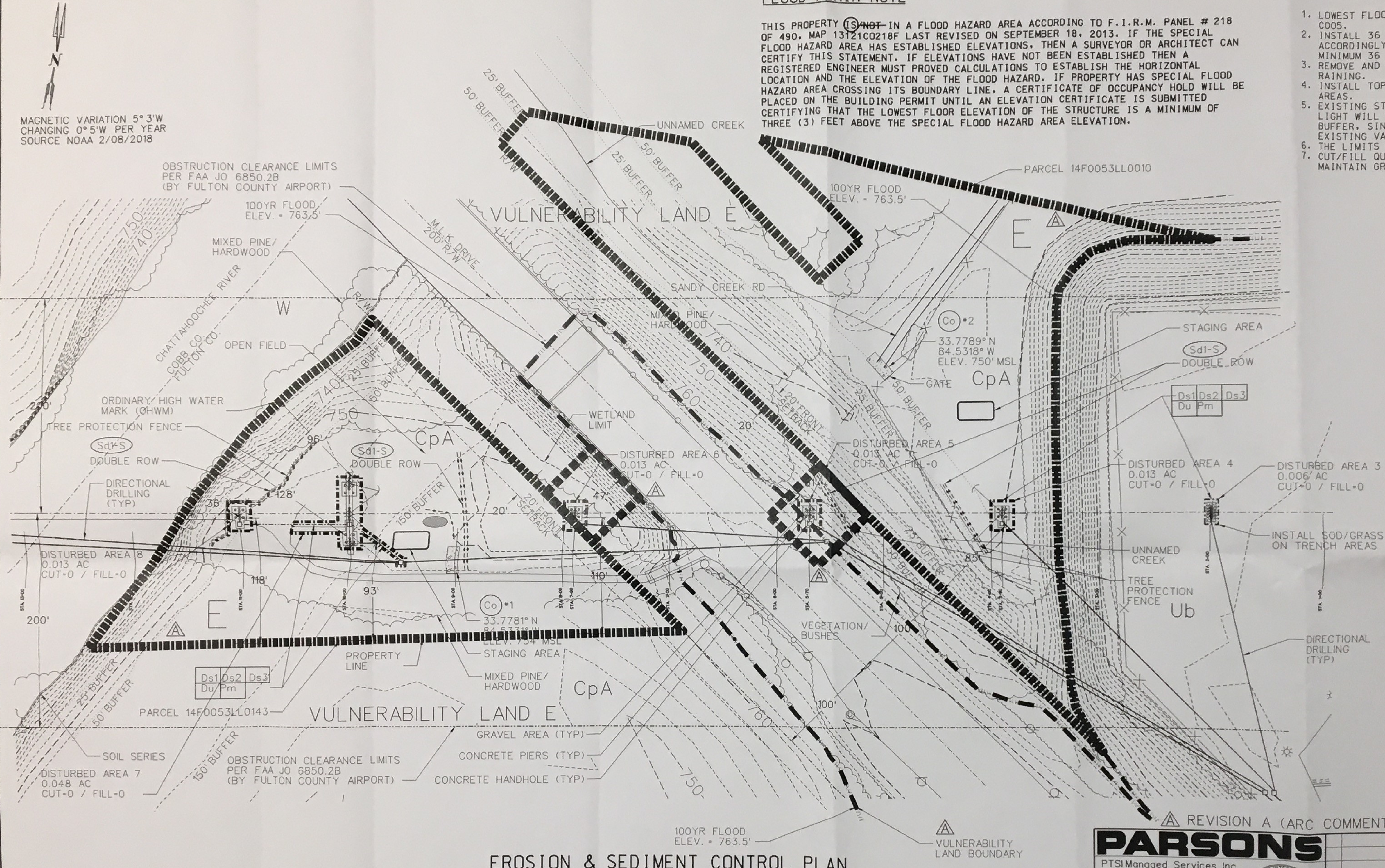
SHOW CALCS FOR SILT FENCE CONTAINING 67 CY/AC

(0.2)(67) = 13 CY/D REQ'D STORAGE

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

○ DETAIL FOR SILT FENCE SHOULD BE FOR TYPE SENSITIVE.

○ CHANGE SD1-C LABEL TO SD1-S



FLOOD PLAIN NOTE

THIS PROPERTY IS ~~NOT~~ IN A FLOOD HAZARD AREA ACCORDING TO F.I.R.M. PANEL # 218 OF 490, MAP 13121C0218F LAST REVISED ON SEPTEMBER 18, 2013. IF THE SPECIAL FLOOD HAZARD AREA HAS ESTABLISHED ELEVATIONS, THEN A SURVEYOR OR ARCHITECT CAN CERTIFY THIS STATEMENT. IF ELEVATIONS HAVE NOT BEEN ESTABLISHED THEN A REGISTERED ENGINEER MUST PROVED CALCULATIONS TO ESTABLISH THE HORIZONTAL LOCATION AND THE ELEVATION OF THE FLOOD HAZARD. IF PROPERTY HAS SPECIAL FLOOD HAZARD AREA CROSSING ITS BOUNDARY LINE, A CERTIFICATE OF OCCUPANCY HOLD WILL BE PLACED ON THE BUILDING PERMIT UNTIL AN ELEVATION CERTIFICATE IS SUBMITTED CERTIFYING THAT THE LOWEST FLOOR ELEVATION OF THE STRUCTURE IS A MINIMUM OF THREE (3) FEET ABOVE THE SPECIAL FLOOD HAZARD AREA ELEVATION.

GENERAL NOTES

1. LOWEST FLOOR ELEVATION IS 777.5 FT MSL FOR THE SHELTER FLOOR SEE C005.
2. INSTALL 36 IN WIDE SILT FENCE ALONG DISTURBED AREAS, RE-ALIGN ACCORDINGLY TO FIT EACH SITE. WHEN USING TWO ROWS PLACE THEM MINIMUM 36 IN APART.
3. REMOVE AND STORE TOPSOIL ON HIGHER GROUND TO AVOID WASHOUTS WHEN RAINING.
4. INSTALL TOPSOIL AND SOD/GRASS ON ALL NON-GRAVELLED DISTURBED AREAS.
5. EXISTING STATION 11+50 IS INSIDE THE 25' RIVER BUFFER, THE NEW LIGHT WILL BE RELOCATED TO STATION 11+00 INSIDE THE 50' RIVER BUFFER, SINCE IS A REPLACEMENT THIS STATION MAY BE UNDER THE EXISTING VARIANCE.
6. THE LIMITS OF CONSTRUCTION IS SHOWN AS DISTURBED AREAS.
7. CUT/FILL QUANTITIES WITHIN THE FLOOD PLAIN ARE TO BE BALANCED TO MAINTAIN GRADES AND DRAINAGE PATTERNS.

LEGEND

- DISTURBED AREA
- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS
- 150' BUFFER
- 50' BUFFER
- STAGING AREA
- DIRECTIONAL DRILLING
- GRAVEL AREAS
- STOCKSOIL PILE
- ROAD RIGHT OF WAY (ROW)
- TREE LINE
- AIRPORT PROPERTY LINE
- TREE PROTECTION FENCE
- 100 YR FLOOD PLAIN
- SOIL SERIES
- ROW DISTURBANCE (A)

EROSION CONTROL LEGEND

- Co — CONSTRUCTION EXIT
- Sd1-S — SEDIMENT BARRIER - TYPE S SILT FENCE
- TREE PROTECTION FENCE
- Du — DUST CONTROL
- Pm — POLYACRILAMIDE (PAM)
- Ds1 — DISTURBED AREA (MULCH ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)

(A) REVISION A (ARC COMMENTS) - 3/12/2018

EROSION & SEDIMENT CONTROL PLAN

50' 0 50' 100'
SCALE: 1" = 50'

(A)

DATA TABLE

AREA	Fulton side	Proposed Disturbed Area	Percent Land Disturbance	Existing Impervious Area Being Removed	Proposed Impervious Area	Percent Impervious Surface	Balance Existing vs Proposed Impervious Areas
	sf	sf	%	sf	sf	%	sf
Land A							
Land B							
Land C							
Land D							
Land E	130,680	3,670	2.81%	2,240	2,260	1.73%	20
Land F							
Inside ROW (MLK Drive) (E)	1,000*	1,000*	100.00%*	390*	415*	41.50%*	25
TOTAL		4,670	3.56%	2,630	2,675	2.032%*	45

* ALL ROW IN E - TOTAL % ARE FOR TOTAL E AREA W/ ROW ADDED IN (SMS 3/14/19)

Vulnerability Category	Percent Maximum Land Disturbance	Percent Maximum Impervious Surface
A	90	75
B	80	60
C	70	45
D	50	30
E	30	15
F	10	2

Areas in Land E and inside Right of Way of MLK drive to be reviewed by ARC.

SOIL SERIES LEGEND

CpA - CONGAREE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
Ub - URBAN LAND
W - WATER

SETBACKS

M-2: FRONT = 20'
SIDE = 5'
REAR = 20'

24HR CONTACT:
STEVE STOKER 770-772-1151

DISTURBED AREAS TABLE

LIMITS OF CONSTRUCTION	AREA	FLOOD	CUT/FILL	SILT VOLUME* REQ'D STORAGE	SILT FENCE MIN. LENGTH**
	AC	PLAIN	CF	CY	LF
DISTURBED AREA 3***	0.013	NO	0	0.87	15.68
DISTURBED AREA 4	0.013	YES	0	0.87	15.68
DISTURBED AREA 5	0.013	YES	0	0.87	15.68
DISTURBED AREA 6	0.013	YES	0	0.87	15.68
DISTURBED AREA 7	0.048	YES	0	3.22	57.89
DISTURBED AREA 8	0.013	YES	0	0.87	15.68

* SILT VOLUME CALCS. 67CY/AC.
**SILT FENCE MIN. LENGTH CALCULATED WITH THE AREA ACCUMULATED AT 1/2 OF THE ORIGINAL HEIGHT OF THE BARRIER AND 3 TO 1 SLOPES.
*** DISTURBED AREA 3 IS LOCATED INSIDE THE RUNWAY SAFETY AREA (RSA), NO SILT FENCE TO BE USED INSIDE THE RSA AT ANY TIME, USE AN ALTERNATIVE BMP THAT IS REMOVABLE BETWEEN RUNWAY CLOSURES.

PARSONS
PTSI Managed Services Inc.
3800 Camp Creek Pkwy
Building* 2400, Suite 106
Atlanta, GA 30331
404.766.1693
404.559.1715 (Fax)

RELEASED FOR:
CONSTRUCTION - 3/05/2018
NOT TO BE USED FOR BIDDING

GSWCC LEVEL II CERTIFICATION:
ALAN HENNINGTON
0000002998
EXP. 02/01/2021

GEORGIA REGISTERED No. 028294 PROFESSIONAL ENGINEER ALAN C. HENNINGTON 3/12/18

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS — EASTERN SERVICE AREA

MALSR (Review Area)
RUNWAY 08
MALSR REPLACEMENT EROSION AND SEDIMENT CONTROL PLANS SHEET 1 OF 2

ATLANTA — FULTON COUNTY AIRPORT-BROWN FIELD AIRPORT — GA

REVIEWED BY | SUBMITTED BY: DO NOT SIGN | APPROVED BY: DO NOT SIGN
PROJECT ENGINEER | MGR: ENGINEERING - CENTER A
DESIGNED FJC | DRAWN HLG | CHECKED
ISSUED BY ENGINEERING SERVICES NAVAIDS
DATE 03/05/2018 | JCN S010117
DRAWING NO FTY-FULTON-ESCP-C004 | REV A

ISSUED FOR: CONSTRUCTION