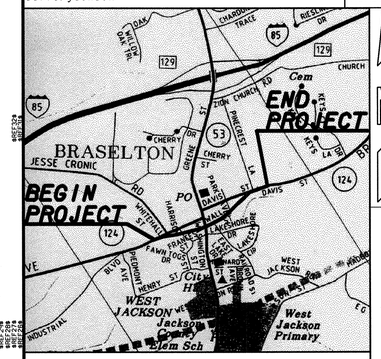
TOWN OF BRASELTON

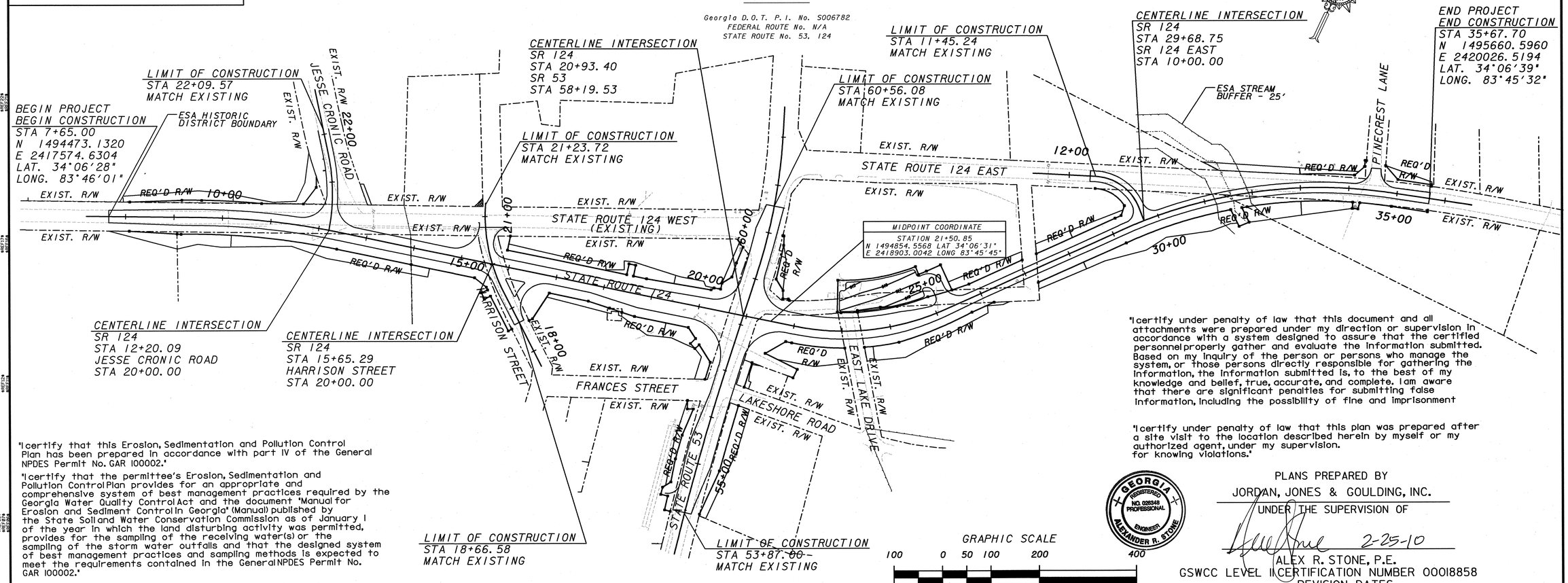
EROSION, SEDIMENT & POLLUTION CONTROL PLAN AND COMPREHENSIVE MONITORING PROGRAM SR 53 & SR 124 INTERSECTION REALIGNMENT TSAPO-S006-00(782) & TSAPO-S010-00(975) JACKSON COUNTY

STATE AID PROJECT



LOCATION SKETCH

Georgia D.O.T. P.I. No. S006782
FEDERAL ROUTE No. N/A
STATE ROUTE No. 53, 124



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with part IV of the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the certified 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

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my supervision. for knowing violations."

GEORGIA REGISTERED NO. 028348 PROFESSIONAL ENGINEER ALEXANDER R. STONE

PLANS PREPARED BY
JORDAN, JONES & GOULDING, INC.
UNDER THE SUPERVISION OF
2-25-10
ALEX R. STONE, P.E.
GSWCC LEVEL II CERTIFICATION NUMBER 00018858

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1" = 100'

JORDAN JONES & GOULDING

NOTE: THESE PLANS ARE IN ENGLISH UNITS

REVISION DATES:

DATE	SHEET NO.	REQUESTED BY	SIGNATURE/CERT. NO.
8-3-10	96-98A, 105A	OCONEE SWCC	00018858

50.00 SHEET

COVERS

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

REVISED AUGUST 2008

ESPCP GENERAL NOTES:

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.
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.

TEMPORARY MULCHING

EPD General Permit GAR 100002 requires "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - The Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or Specification may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

TEMPORARY GRASSING

MARCH 1 - MAY 15
COMMMON BERMUDA GRASS (HULLED)
COMMON BUERMUDA GRASS (UN HULLED)
TALL FESCUE

MAY 1 - JULY 31 - MAY 15
COMMMON BERMUDA GRASS (HULLED)
COMMON BUERMUDA GRASS (UN HULLED)

AUGUST 1 - FEBRUARY 28
RYE GRASS, MILLET, CEREAL GRASS (OATS)

NOVEMBER 15 - JANUARY 31
WHITE OR CRIMSON CLOVER

PERMANENT GRASSING

COMMON BERMUDA GRASS

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted with the NOI. A copy of the construction schedule shall be maintained at the project site.
The initial BMP's of this project will be preimeter fencing around the project limits.
The intermediate BMP's shall consist of silt fence, inlet sediment traps, check dams, silt gates, erosion control mats for slopes greater than 2:1, temporary grassing, and mulching. the final BMP's shall be permanent grassing, stone dumped rip rap for outlet protection.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, and the Engineer approves the request, it will be the responsibility of the contractor to revise the ESPCP to reflect all changes in stage construction. This will also include any revision to the erosion and sedimentation control item quantities. A single copy of the amended plan shall be submitted to the apporopriate EPD District Office

Major modification or deletion of structural BMP's that are specified in the ESPCP will require a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added as directed by the Engineer.

PETROLEUM STORAGE, SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite. The contractor shall at a minimum provide and be able to produce the necessary provisions for the capture and disposal of any petroleum product leaks or spills associated with the servicing, refueling or operation of any equipment utilized in the work.

If the storage of petroleum products onsite is desired by the contractor the following is required:

ESPCP Addendum prepared by a licensed design professional as required by GAR100002 for inclusion with these plans.

The contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

A project specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the Design of Channels and Linings, Selection of Temporary BMP's, Design of Energy Dissipaters, and the in the Selection of Permanent Vegetation Fertilizers. The NRCS soil survey and soil series maps for the project area are available on the Internet at: http://websoilsurvey.nrcs.usda.gov/app .

POST-CONSTRUCTION BMP'S

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channels/ditch stabilization with Turf Reinforcing Mats, rip-rap, and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique, or configuration, is commonly referred to as J-Hooks or spurs. The J-Hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-Hooks shall be spaced in accordance with Typicial Location Details for silt fences/baled straw. Spacing for J-Hooks shall not be less than 50 feet except as noted. Silt fences that are near the outlet of culverts, cross drains, and strorm drains shall have a minimum of three (3) J-Hooks on both sides of the structure at spacing not to exceed 30 feet. J-Hooks shall be paid for as silt fense items per foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

MAINTENANCE AND STABILIZATION MEASURES

See Special Provision 161 and 700 and other contract documents for maintenance and stabilization measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, The Manual for Erosion and Sediment Control in Georgia, Department Standards, and contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through a sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's.

OTHER CONTROLS

The contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
The contractor shall keep dust pollution to a minimum during any of the activities performed on the project. It may be necessary to apply water or other BMPs to roadways or other areas reduce pollution.

SEDIMENT STORAGE

Outfall I.D.	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (Cu.Yd)	Total Storage Volume Provided (Cu.Yd)	Check Dam		Inlet sediment traps		Silt Fence J-Hooks	
					# of Devices	Total Volume	# of Devices	Total Volume	# of Devices	Total Volume
A1	65.97	4.16	278.7	382	2	4	22	196	30	182
B1	47.57	0.62	41.5	95	--	--	13	95	--	--
C1	5.60	0.34	22.8	30	--	--	3	30	--	--

In order to prevent runoff from bypassing inlet sediment traps, a temporary berm shall be . installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms, when necassary, shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not pass the inlet. the contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

The construction limits of the project are within the watershed and 1 mile upstream of the following 305(b)/303(d) listed streams

Reach Name/Data Source	Reach Location/County	River Basin/ Use	Criterion Violated	Potential Causes	Extent	Category	Priority	TMDL Concentration
N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A

DISCHARGES INTO OR WITHIN ONE MILE OF UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTON OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 mile from a 305b/303d listed stream or are outside of the watershed of a 305b/303d listed stream..

Outfall Location(s)	Basin Name	HUC10	Reach Name	Location of the impaired stream segemtn as indicated in the 305b/303d list	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

List the additional BMPs from part III c 2 used for this watershed (a minimum of 4 are required) and if part III C 1 is applicable discuss how the waste load allocation for sediment is addressed.

STREAM BUFFER ENCROACHMENT

Stream Buffers are not impacted by this project.
The contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or Rt)			
UNAMED TRIBUTARY	SR 124	30+13.16 (LT)	31+78.10 (RT)	WARM	NO	NO

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

RECORDS RETENTION

The Department will retain records in accordance with Part IV.F of General Permit GAR100002.

PRIMARY PERMITTE:
Town of Braselton
4982 Highway 53
Braselton, Georgia 30517

24 HOUR CONTACT:

DEAN ROBERTS
Name

770-780-2013
Phone Number

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL

8/3/10
DATE

JORDAN JONES & GOULDING

REVISION DATES
8/2/10

TOWN OF BRASELTON

OFFICE:

BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No.
51-01

GPLN

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

MONITORING GENERAL NOTES:

Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table.

Monitoring site	Primary or Alternate Site	Location (Sta. and Side)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (Acres)	Disturbed Area (Acres)	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
1.	Primary	SR 124 31+66 40' RT	Indian Creek	N/A	Receiving	47.57	0.62	Warm	N/A	10	A unamed tributary of Indian Creek
2.	Alternate	SR 124 22+00 90' RT	Indian Creek	N/A	Outfall	65.97	4.16	N/A	50	N/A	Existing 4'x3' box culvert outlet

(According to the EPD, additional monitoring sites may be required depending on significant changes in typical sections)
The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

READY MIX CHUTE/HOPPER WASHDOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overtopping the pit. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down."

INSPECTIONS

The Town of Braselton will provide one copy of required inspection forms for use and duplication. Inspection forms may change during the contract to reflect regulatory agency needs or the need of the Town of Braselton. Any costs associated with the change of inspection forms shall be considered incidental. Alternate formats of the provided forms maybe created, used and submitted by the Contractor provided the required content and/or data fields and verbatim certification statements from the Town of Braselton current forms are included.
The Engineer shall inspect the installation and condition of each erosion control device required by the erosion control plan within seven days after initial installation. This inspection is performed for each stage of construction when new devices are installed. The WECS shall ensure all installation deficiencies reported by the Engineer are corrected within two business days.
Ensure that the inspections of the areas listed below are conducted by certified personnel and at the frequencies listed. Document all inspections on the appropriate form provided by the Department.

1. Daily:
   a. Petroleum product storage, usage and handling areas
   b. All locations where vehicles enter/exit the site
   Continue these inspections until all entry and exit sites are stabilized and fuel is not stored or transferred on the site. Utilize the Daily Inspection form.

2. Weekly and after Rainfall Events:
Conduct inspections on these areas every seven calendar days and within twenty-four hours after the end of a rainfall event that is 0.5 in (13 mm) or greater:
   a. Disturbed areas not permanently stabilized
   b. Material storage areas
   c. Structural control measures, Best Management Practices (BMPs)
   d. Water quality monitoring locations and equipment
   Continue these inspections until all BMPs have been removed. Utilize the EC-1 Form.

INSPECTIONS (CONTINUED)

3. Monthly:
Once per month, inspect all areas where final stabilization has been completed. Look for evidence of sediments or pollutants entering the drainage system and or receiving waters. Inspect all permanent erosion control devices that remain in place to verify the maintenance status and that the devices are functioning properly.
Continue these inspections until the Notice of Termination is submitted. Utilize the Monthly Inspection form.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deduction as specified in the contract documents.

SAMPLING AND REPORTING

Perform inspections, rainfall data collection, testing of samples, and reporting the test results on the project according to the requirements in Part IV of the NPDES Infrastructure permit and GDOT Specification 167 (See below.)
Take samples manually or with the use of automatic samplers, according to the permit. Analyze all according to the permit, regardless of the method used to collect the samples.
If samples are analyzed in the field using portable turbidemeters, the monitoring results shall state that they are being used and a digital readout of NTUs is what is provided.
Submit bench sheets, work sheets, etc., when using portable turbidemeters. There are no exceptions to this requirement.
Perform required inspections and submit all reports required by GDOT Specification 167 (See below) within the time frames specified. Failure to perform the inspections within the time specified will result in the cessation of all construction activities with the exception of traffic control and erosion control. A non-refundable deduction will be taken from the schedule below whenever the WECS fails to submit as described below.

Reports:
1. Inspection Reports:
Summarize the results of inspections noted above in writing on the appropriate Daily, Weekly, Monthly or EC-1 form provided by the Town of Braselton. Include the following information:
   Date(s) of Inspection
   Name of personnel performing inspection
   Status of devices
   Observations
   Action taken
   Signature of personnel performing the inspection
   Any incidents of non-compliance

The inspection form certification sheet shall be signed by the project WECS and the inspector performing inspections on behalf of the WECS (if not the same person).
Submit all inspection reports to the Engineer within twenty-four hours of the inspection.
The Engineer will review the submitted reports and inspect the project to determine their accuracy.
The Engineer will notify the certified personnel of any additional items that should be added to the inspection report.
Correct any items listed in the inspection report requiring routine maintenance within 72 (seventy two) hours of notification.
Assume responsibility for all costs associated with additional sampling as specified in Part IV.D.6.d.3.(c) of the NPDES GAR 100002 permit if either of these conditions arise:
   BMPs shown in the Plans are not properly installed and maintained, or
   BMPs designed by the Contractor are not properly designed, installed and maintained.

2. Monitoring Reports
a. Report Requirements
Include in all reports, the following certification statement, signed by the WECS or consultant providing monitoring on the project:
"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 certified 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 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."
When a rainfall event requires a sample to be taken, submit a report of the monitoring results to the Engineer within seven working days of the date the sample was obtained. Include the following information:
   1) Date of sampling
   2) Rainfall amount on sample date (sample date only)
   3) NTU of sample & analysis method
   4) Location where sample was taken (station number, etc.)
   5) Receiving water or outfall sample
   6) Project number and county
   7) Whether the sample was taken by automatic sampler or manually (grab sample)
b. Report Requirements with No Qualifying Rainfall Events
In the event that a qualifying rainfall event does not occur prior to the submittal of the NOT (Notice of Termination), submit a report that states "No qualifying rainfall event occurred and no samples were taken."
c. Test Results
Provide monitoring test results to the Engineer within 48 hours of the samples being analyzed. This notification may be verbal or written. This notification does not replace the requirement to submit the formal monitoring summary to the Engineer within 7 working days of the samples being collected.
3. Rainfall Data Reports
Record the measurement of rainfall once each twenty-four hour period. Measure rainfall data at the active phase of construction on the site.
Project rain gauges and those used to trigger the automatic samplers are to be emptied after every rainfall event. This will prevent a cumulative effect and prevent automatic samplers from taking samples even though the rainfall event was not a qualifying event.
The daily rainfall data supplied by the WECS to the Engineer will be the official rainfall data for the project.

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858
GEORGIA LICENSED PROFESSIONAL — DATE 8/3/10

JORDAN JONES & GOULDING

REVISION DATES
8/2/10

TOWN OF BRASELTON
OFFICE:
BMP GENERAL NOTES
SR53 & SR124
INTERSECTION REALIGNMENT
DRAWING No. 51-02

GPLN

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782egn3.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD.TBL		JACKSON	TSAPO-S006-00(782)	98A	121

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:

Project Name: SR 53 & SR 124 Intersection Realignment Address:________________________

City/County: Town of Braselton Date on Plans: 2/25/10

<u>TO BE SHOWN ON ES&PC PLAN</u>

Plan Page #	Included Y/N		
98A	Y	1.	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. **(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)**
96	Y	2.	Level II certification number issued by the Commission, signature and seal of the certified design professional. **(Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)**
97	Y	3.	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
97	Y	4.	Provide name, address and phone number of primary permittee.
97-98A	Y	5.	Note total and disturbed acreage of the project or phase under construction.
106-114	Y	6.	Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.
96	Y	7.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
ALL	Y	8.	Graphic scale and north arrow.
--	N	9.	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1":2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
105	Y	10	Delineation and acreage of contributing drainage basins on the project site.
105	Y	11	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
105	Y	12	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.
115	Y	13	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.
105	Y	14	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
97, 105A	Y	15	Soil series for the project site and their delineation.
105	Y	16	Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.
97	Y	17	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.
97	Y	18	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 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.
115	Y	19	Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
96	Y	20	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
106-114	Y	21	The limits of disturbance for each phase of construction.
97	Y	22	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 rationale 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. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.
97	Y	23	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 <u>www.gaswcc.org</u>.
97	Y	24	Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.
98	Y	25	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.
97	Y	26	Provide BMPs for the remediation of all petroleum spills and leaks.
99-104	Y	27	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.
97	Y	28	Description of the nature of construction activity.
97	Y	29	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.
106-114	Y	30	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).
97	Y	31	Description of the practices that will be used to reduce the pollutants in storm water discharges.
97	Y	32	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.
96	Y	33	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.
96	Y	34	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 14 of the permit.
97	Y	35	Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.
105	Y	36	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
97	Y	37	Indication 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 without first acquiring the necessary variances and permits.
97	Y	38	Indication 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.
97	Y	39	Indication 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.
97	Y	40	Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
97	Y	41	Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during and after construction activities have been completed.
98	Y	42	Provide complete requirements of inspections and record keeping by the primary permittee.
98	Y	43	Provide complete requirements of sampling frequency and reporting of sampling results.
97	Y	44	Provide complete details for retention of records as per Part IV.F. of the permit.
98	Y	45	Description of analytical methods to be used to collect and analyze the samples from each location.
98	Y	46	Appendix B rationale for outfall sampling points where applicable.
96	Y	47	Cleary note statement in bold letters- **"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."**
96	Y	48	Cleary note maintenance statement in bold letters - **"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."**
96	Y	49	Clearly note the statement in bold letters - **"Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."**
99-104	Y	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.
97	Y	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 year that seeding will take place and for the appropriate geographic region of Georgia.

Effective January 1, 2009

GSWCC LEVEL II DESIGN PROFESSIONAL NO. <u>0000018858</u>

GEORGIA LICENSED PROFESSIONAL

8/3/10
DATE

JORDAN JONES & GOULDING

REVISION DATES
8/2/10

TOWN OF BRASELTON

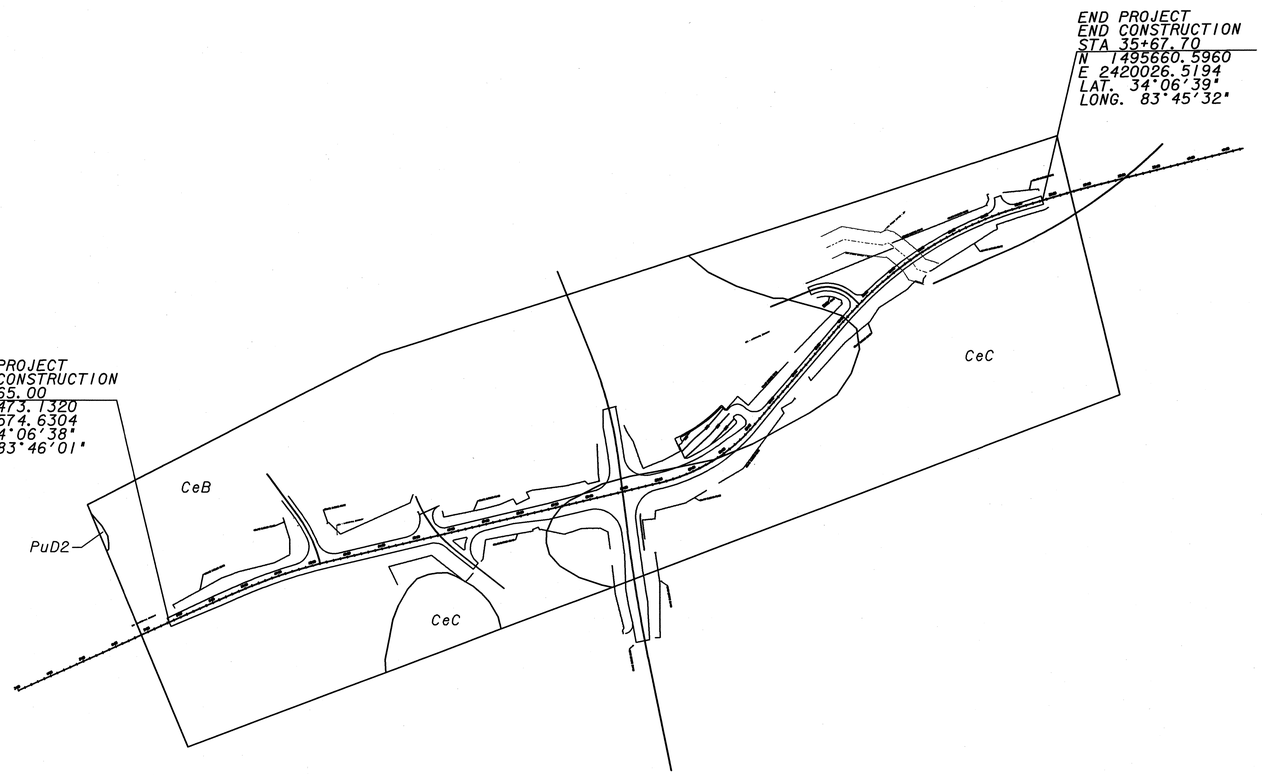
OFFICE:

BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 51-03

GPLN



MAP UNIT SYMBOL	MAP UNIT NAME
CeB	CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES
CeC	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES
PuD2	PACOLET SOILS, 10 TO 15 PERCENT SLOPES, ERODED

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 8/3/10

JORDAN JONES & GOULDING

SCALE IN FEET
0 200 400 800

REVISION DATES		
8/2/10		

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL SOIL SERIES MAP

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 53-02

GPLN

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

REVISED AUGUST 2008

ESPCP GENERAL NOTES:

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.

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.

TEMPORARY MULCHING

EPD General Permit GAR 100002 requires "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - The Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or Specification may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding fertilizer, lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents, special provisions, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted with the NOI. A copy of the construction schedule shall be maintained at the project site.
The initial BMP's of this project will be prelmeter fencing around the project limits.
The intermediate BMP's shall consist of silt fence, inlet sediment traps, check dams, silt gates, erosion control mats for slopes greater than 2:1, temporary grassing, and mulching. the final BMP's shall be permanent grassing, stone dumped rip rap for outlet protection.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, and the Engineer approves the request, it will be the responsibility of the contractor to revise the ESPCP to reflect all changes in stage construction. This will also include any revision to the erosion and sedimentation control item quantities. A single copy of the amended plan shall be submitted to the apporoprate EPD District Office

Major modification or deletion of structural BMP's that are specified in the ESPCP will require a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added as directed by the Engineer.

PETROLEUM STORAGE, SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite. The contractor shall at a minimum provide and be able to produce the necessary provisions for the capture and disposal of any petroleum product leaks or spills associated with the servicing, refueling or operation of any equipment utilized in the work.

If the storage of petroleum products onsite is desired by the contractor the following is required;

ESPCP Addendum prepared by a licensed design professional as required by GAR100002 for inclusion with these plans.

The contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

A project specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the Design of Channels and Linings, Selection of Temporary BMP's, Design of Energy Dissipaters, and the in the Selection of Permanent Vegetation Fertilizers. The NRCS soil survey and soil series maps for the project area are available on the Internet at: http://websoilsurvey.nrcs.usda.gov/app .

POST-CONSTRUCTION BMP'S

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channels/ditch stabilization with Turf Reinforcing Mats, rip-rap, and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique, or configuration, is commonly referred to as J-Hooks or spurs. The J-Hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-Hooks shall be spaced in accordance with Typicial Location Details for silt fences/baled straw. Spacing for J-Hooks shall not be less than 50 feet except as noted. Silt fences that are near the outlet of culverts, cross drains, and strorm drains shall have a minimum of three (3) J-Hooks on both sides of the structure at spacing not to exceed 30 feet. J-Hooks shall be paid for as silt fense items per foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

MAINTENANCE AND STABILIZATION MEASURES

See Special Provision 161 and 700 and other contract documents for maintenance and stabilization measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

INSPECTIONS

All inspections shall be documented on the appropriate Department inspection forms.
See Special Provision 167 and other contract documents for inspection requirements.
These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deducations as specified in the contract documents.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, The Manual for Erosion and Sediment Control in Georgia, Department Standards, and contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through a sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's.

OTHER CONTROLS

The contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
The contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Specifications.

SEDIMENT STORAGE

Outfall I.D.	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (Cu.Yd)	Total Storage Volume Provided (Cu.Yd)	Check Dam		Inlet sediment traps		Silt Fence J-Hooks	
					# of Devices	Total Volume	# of Devices	Total Volume	# of Devices	Total Volume
A1	65.97	4.16	278.7	382	2	4	22	196	30	182
B1	47.57	0.62	41.5	95	--	--	13	95	--	--
C1	5.60	0.34	22.8	30	--	--	3	30	--	--

In order to prevent runoff from bypassing inlet sediment traps, a temporary berm shall be . Installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms, when necassary, shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not pass the inlet. the contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

RECORDS RETENTION

The Department will retain records in accordance with Part IV.F of General Permit GAR100002.

DISCHARGES INTO OR WITHIN ONE MILE OF UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTON OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 mile from a 305b/303d listed stream or are outside of the watershed of a 305b/303d listed stream. .

Outfall Location(s)	Basin Name	HUC10	Reach Name	Location of the impaired stream segmtn as indicated in the 305b/303d list	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

List the additional BMPs from part III c 2 used for this watershed (a minimum of 4 are required) and if part III C 1 is applicable discuss how the waste load allocation for sediment is addressed.

STREAM BUFFER ENCROACHMENT

Stream Buffers are not impacted by this project.
The contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or Rt)			
UNAMED TRIBUTARY	SR 124	30+13J6 (LT)	31+78J0 (RT)	WARM	NO	NO

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 51-01

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

MONITORING GENERAL NOTES:

Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table.

Monitoring site	Primary or Alternate Site	Location (Sta. and Side)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (Acres)	Disturbed Area (Acres)	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
1.	Primary	SR 124 31+66 40' RT	Indian Creek	N/A	Receiving	47.57	0.62	Warm	N/A	10	A unamed tributary of Indian Creek
2.	Alternate	SR 124 22+00 90' RT	Indian Creek	N/A	Outfall	65.97	4.16	N/A	50	N/A	Existing 4'x3' box culvert outlet

(According to the EPD, additional monitoring sites may be required depending on significant changes in typical sections)
The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

MONITORING SAMPLING METHODS & PROCEDURES

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and Procedures.

READY MIX CHUTE/HOPPER WASHDOWN

See Special Provision 167 and other contract documents for Monitoring Sampling Methods
The contractor shall excavate a pit outside of the stream buffer and at least 25' from any storm drain. The pit shall be large enough to store all washdown water without overtopping the pit. Immediately after the washdown, the pit shall be filled in, and the ground above shall be smoothed out. Alternatively, the contractor may use a different washdown plan but the plan must be submitted to the engineer for approval before the alternative plan can take action.

Use BMP's to keep washdown water from making its way into streams and rivers. Never let washdown water enter a storm drain. Establish a washdown water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for washdown, (3) the pit has enough volume for washdown water, and (4) make sure you have permission to use the area for washdown. On some sites, you may not have permission or access to a location which allows for a washdown pit. In those cases, you may have to washdown into a wheelbarrow or container and carry the container to a disposal site.

Shall excavate a pit for the contractor
All pits outside of the stream buffer.
Enough volume to hold all washdown water without overtopping.
Filled in immediately after the pour is finish
Or contractor may submit a washdown plan to the engineer and require approval from the engineer.
25' from any storm drain.

The construction limits of the project are within the watershed and 1 mile upstream of the following 305(b)/303(d) listed streams

Reach Name/Data Source	Reach Location/County	River Basin/ Use	Criterion Violated	Potential Causes	Extent	Category	Priority	TMDL Concentration
N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A

24 HOUR CONTACT:

Name

Phone Number

Contractor shall complete the information in this box.

PRIMARY PERMITTE:
Town of Braselton
4982 Highway 53
Braselton, Georgia 30517

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 51-02

PROJECT AREA = 9.48 AC.
DISTURBED AREA = 6.69 AC.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:

Project Name: SR 53 & SR 124 Intersection Realignment Address:____

City/County: Town of Braselton Date on Plans:2/25/10

TO BE SHOWN ON ES&PC PLAN

Plan Page *	Included Y/N	No.	Item
98A	Y	1.	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (**The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed**)
96	Y	2.	Level II certification number issued by the Commission, signature and seal of the certified design professional. (**Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed**)
98	Y	3.	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
98	Y	4.	Provide name, address and phone number of primary permittee.
97-98A	Y	5.	Note total and disturbed acreage of the project or phase under construction.
106-114	Y	6.	Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.
96	Y	7.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
ALL	Y	8.	Graphic scale and north arrow.
--	N	9.	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1":2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
105	Y	10	Delineation and acreage of contributing drainage basins on the project site.
105	Y	11	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
105	Y	12	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.
115	Y	13	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.
105	Y	14	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
97	Y	15	Soil series for the project site and their delineation.
105	Y	16	Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.
98	Y	17	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.
97	Y	18	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 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.
115	Y	19	Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
96	Y	20	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
106-114	Y	21	The limits of disturbance for each phase of construction.
97	Y	22	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 rationale 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. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.
97	Y	23	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.
97	Y	24	Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.
98	Y	25	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.
97	Y	26	Provide BMPs for the remediation of all petroleum spills and leaks.
99-104	Y	27	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.
97	Y	28	Description of the nature of construction activity.
97	Y	29	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.
106-114	Y	30	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).
97	Y	31	Description of the practices that will be used to reduce the pollutants in storm water discharges.
97	Y	32	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.
97	Y	33	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.
97	Y	34	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 14 of the permit.
97	Y	35	Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.
105	Y	36	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
97	Y	37	Indication 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 without first acquiring the necessary variances and permits.
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97	Y	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 year that seeding will take place and for the appropriate geographic region of Georgia.

Effective January 1, 2009

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL 2-25-10 DATE

REVISION DATES

JORDAN JONES & GOULDING

TOWN OF BRASELTON

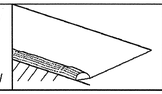
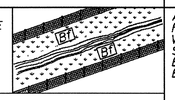
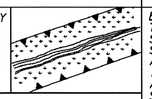
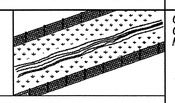
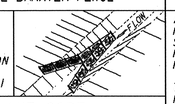
OFFICE:

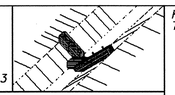
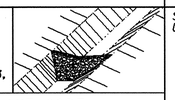
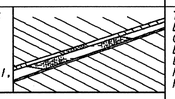
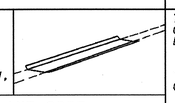
BMP GENERAL NOTES

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 51-03

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Be	EARTH BERM SECTION 161	 LINE CODE Be	THIS IS A TEMPORARY EARTH BERM CONSTRUCTED AT THE EDGE OF THE EMBANKMENT DURING THE GRADING OPERATION. THIS BERM WILL PREVENT SLOPE EROSION AND DIRECT RUNOFF TO A DOWN DRAIN "Dnl" OR CATCHMENT AREA. THIS WILL BE USED ON ALL GRADING PROJECTS. THIS ITEM IS TO BE USED ALONG THE TOP OF HIGH FILL SECTIONS TO DIRECT RUNOFF INTO THE TEMPORARY SLOPE DRAINS.
Bf	BUFFER ZONE	 SYMBOL Bf	A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. THE BOUNDARIES OF THESE AREAS ARE BE DELINEATED BY ORANGE BARRIER FENCE.
ESA	ENVIRONMENTALLY SENSITIVE AREA	 LINE CODE ESA-25'(OR 50')STREAM BUFFER, ETC.	ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESA AREAS INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, ARCHAEOLOGICAL SITES, HISTORIC SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	ORANGE BARRIER FENCE	 LINE CODE ORANGE BARRIER FENCE	ORANGE BARRIER FENCE DELINEATES ESA AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL SECTION 171	 LINE CODE Cd-F	A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, AND BRACING PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24b FOR SPACING REQUIREMENT. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS. IF THIS ITEM IS USED IN AN AREA WITHOUT A SEDIMENT BASIN CONSIDERATION SHOULD BE GIVEN TO USING TWO OR MORE ROCK FILTER DAMS NEAR THE DISCHARGE POINT.

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Cd-Hb	HAYBALE CHECK DAM SECTION 163	 LINE CODE Cd-Hb	HAYBALE CHECK DAMS ARE RECOMMENDED FOR DRAINAGE AREA LESS THAN ONE ACRE.
Cd-S	STONE OR SANDBAG CHECK DAM SECTION 163, 603	 LINE CODE Cd-S	STONE CHECK DAMS ARE USED IN ROADWAY DITCHES. GEOTEXITLE UNDERLINER SHALL BE USED WHEN PLACING STONE CHECK DAMS.
Ch-Br	BITUMINOUS TREATED ROVING SECTION 161, 715	 LINE CODE Ch-Br	THIS ITEM CONSISTS OF PLACING ONE OR MORE LAYERS OF BITUMINOUS TREATED ROVING ON A PLANTED AREA, IN CHANNELS TO STABILIZE VEGETATION AND PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE PLACED TO PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-C	CHANNEL CONCRETE SECTION 161, 441	 LINE CODE Ch-C	THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

BY	REVISION	DATE
GLO	REV. 9a ADDED Bf, ESA,	11-13-07
GLO	DBF AND Ch-F REVISED TITLE BLOCK	1-19-07

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

EROSION CONTROL LEGEND
AND UNIFORM CODE SHEET
SHEET 1 OF 6

NO SCALE — JANUARY 2007

NUMBER EC-L1 — DRAWING No. 52-1

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL LEGEND

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 52-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Ch-Rp1	CHANNEL RIP RAP TYPE 1 SECTION 161, 603 LINE CODE Ch-Rp1		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP RAP SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sdi-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
	Ch-Rp3	CHANNEL RIP RAP TYPE 3 SECTION 161, 603 LINE CODE Ch-Rp3		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP RAP SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sdi-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
	Ch-V	CHANNEL GRASS SECTION 161, 700 LINE CODE Ch-V		USED TO IMPROVE OR STABILIZE A NEW OR EXISTING CHANNEL. IT IS CONSTRUCTED IN STORMWATER DRAINAGE DITCHES. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT DITCH PROTECTION PROGRAM ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL LINE CODE Co		A STONE STABILIZED PAD LOCATED AT ANY POINT WHERE TRAFFIC WILL BE EXITING A CONSTRUCTION SITE TO A PUBLIC ROAD. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MIN. 20' WIDE AND 50' LONG, AND 6" THICK. REQUIRES A GEOTEXTILE UNDERLINER. INCLUDED IN THE PRICE FOR THE CONSTRUCTION EXIT.
	Dc-A	DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163 LINE CODE —D——D——D—Dc-A—D——D——D—		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdi-C PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 0-2.5 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Dc-B	DIVERSION CHANNEL GEOTEXTILE ONLY SECTION163 LINE CODE —D——D——D—Dc-B—D——D——D—		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdi-C PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 2.5-9.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	Dc-C	DIVERSION CHANNEL RIPRAP AND GEOTEXTILE SECTION 163 LINE CODE		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIPRAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdi-C PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 9.0-13.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	D1	DIVERSION CONSTRUCTION DETAIL SECTION 205 LINE CODE D1		AN EARTH CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE. CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE AND TO INTERCEPT RUNOFF AND DIRECT THE RUNOFF TO A STABLE OUTLET. SEE CHAPTHER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
	Dn1	DOWN DRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL SECTION 163 LINE CODE —T——T——T—Dn1—T——T——T—		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED A INTERVALS OF 500 FEET ON A 0 TO 2 PERCENT GRADE, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE USUAL PIPE SIZE IS 10 INCH CORRUGATED. THE OUTLET AREA SHOULD BE STABILIZED WITH SILT FENCE, SUMP HOLE, HAYBALES, ANGLING OUTLET IN UPHILL DIRECTION OR OTHER APPROPRIATE MEANS FOR VELOCITY DISSIPATION AND EROSION CONTROL. THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

1-13-07	1-19-07	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISED ORDER	REVISED TITLE BLOCK	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 2 OF 6
DATE	REVISION	NO SCALE — JANUARY 2007
G.O.	NUMBER EC-L2	DRAWING No. 52-2
GLO		
BY		

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

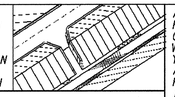
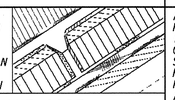
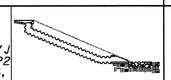
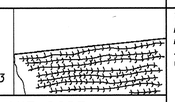
OFFICE:

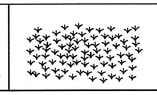
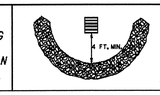
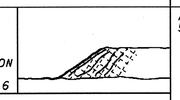
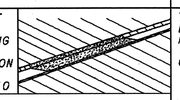
EROSION CONTROL LEGEND

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 52-02

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Dn2-A	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE Dn2-A	A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Dn2-B	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE Dn2-B	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFETLY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD. 9017J TP1, D-26 TP1 SECTION 576, 577.	LINE CODE Dn2-1	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION. TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Dn2-2	PERMANENT DOWN DRAIN STRUCTURE GA. STD. 9017J TP2, D-26 TP2 SECTION 576, 577.	 LINE CODE Dn2-2	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION. TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Ds1	MULCH SECTION 163	 LINE CODE Ds1	THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Ds2	TEMPORARY GRASSING SECTION 163	 LINE CODE Ds2	THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS.
	Fr	FILTER RING CONSTRUCTION DETAIL	 LINE CODE Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS. THIS REDUCES THE VELOCITY OF THE RUNOFF AND FILTERS SEDIMENT FROM THE RUNOFF. SEE CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
	Mb	EROSION CONTROL MATS CONSTRUCTION DETAIL SECTION 716	 PATTERN Mb	ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS.
	Ps	PERMANENT SOIL REINFORCING MAT CONSTRUCTION DETAIL SECTION 710	 LINE CODE Ps	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG TERM PROTECTION. (THIS IS CALLED "W1" IN MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

DELETED Fn, REVISED ORDER	11-15-07	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISED TITLE BLOCK	1-19-07	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 3 OF 6
REVISION	DATE	NO SCALE — JANUARY 2007
G.O.	BY	NUMBER EC-L3 — DRAWING No. 52-3
G.O.		

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

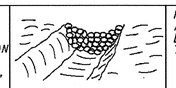
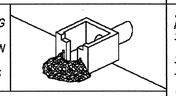
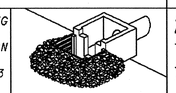
OFFICE:

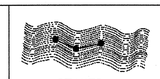
EROSION CONTROL LEGEND

SR53 & SR124 INTERSECTION REALIGNMENT

DRAWING No. 52-03

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL SECTION 163, 603.	 LINE CODE Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP RAP AND ARE USED TO PROTECT SMALL STREAMS OR DRAINAGEWAYS. TO BE USED IN SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS. THE RIP RAP SHOULD BE PLACED ON A GEOTEXITLE UNDERLINER.
Rp	RIPRAP SECTION 603	 PATTERN Rp	RIP RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND END ROLLS. RIP RAP, TYPE I SHOULD BE PLACED ON TOP OF A GEOTEXITLE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS.
Rt-P	RETROFITTING CONSTRUCTION DETAIL SECTION 163	 LINE CODE Rt-P	A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTRUBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
Rt-B	RETROFITTING CONSTRUCTION DETAIL SECTION 163	 LINE CODE Rt-B	A SLOTTED BOARD DAM WITH STONE PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 100 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTRUBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
Sb-F	SILT RETENTION BARRIER FLOATING SECTION 170	 FLOATING LINE CODE Sb-F	A FLOATING BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP'S.

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Sb-S	SILT RETENTION BARRIER STAKED SECTION 170	 STAKED LINE CODE Sb-S	A STAKED BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY USED WHERE CONSTRUCTION IS REQUIRED IN SHALLOW INUNDATED AREAS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. A STAKED BARRIER MAY BE USED TO PROTECT A SMALL STREAM WHILE IT IS BEING REALIGNED OR WIDENED IN "Chi". IN THIS CASE THE BARRIER SHOULD EXTEND TO THE BOTTOM OF THE STREAM. IT SHOULD BE LIMITED TO 5' IN HEIGHT UNLESS OTHERWISE DIRECTED. STAKED BARRIERS IN SMALL STREAMS SHOULD EXTEND 1' ABOVE NORMAL WATER. THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP'S.
Sdl-A	SILT FENCE TYPE A CONSTRUCTION DETAIL SECTION 171	 LINE CODE —A—A—A—Sdl-A—A—A—A—	USED ALONG THE TOE OF FILLS OVER 10' HIGH, ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. THE FENCE SHOULD NEVER RUN CONTINUOUS. IT SHOULD TURN BACK INTO THE FILL TO CREATE SMALL POCKETS TO TRAP SILT.
Sdl-B	SILT FENCE TYPE B CONSTRUCTION DETAIL SECTION 171	 LINE CODE —B—B—B—Sdl-B—B—B—B—	TYPE B MAY BE USED IN LIEU OF BALED STRAW AND AT THE TOE OF FILLS LESS THAN 10 FEET HIGH.
Sdl-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171	 LINE CODE —C—C—C—Sdl-C—C—C—C—	A WOVEN SYNTHETIC FIBER FABRIC PLACED IN FRONT OF A WIRE FENCE. IT CAN BE USED ALONG THE TOE OF THE FILL, ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. IT IS USED TO CAPTURE SEDIMENT FROM FILLS OVER 10 FEET HIGH AND UNDER ALL BRIDGES.

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GLO	REV. Sb-F, Sb-S, Sdl-A, Sb-B AND Sdl-C.	11-13-07	DATE
GLO	REVISED TITLE BLOCK	1-19-07	
BY	REVISION		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

EROSION CONTROL LEGEND
AND UNIFORM CODE SHEET
SHEET 4 OF 6

NO SCALE — JANUARY 2007

NUMBER EC-L4 — DRAWING No. 52-4

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — 2-25-10 DATE

JORDAN JONES & GOULDING

REVISION DATES

TOWN OF BRASELTON

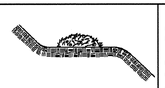
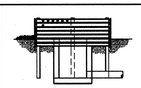
OFFICE:

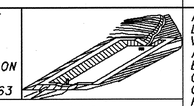
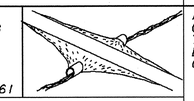
EROSION CONTROL LEGEND

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 52-04

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
-Bb	BRUSH BARRIER CONSTRUCTION DETAIL LINE CODE * * * (Sd1-Bb) * * *		THIS ITEM CONSISTS OF INTERWINGLED BRUSH. LOGS. ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT OF WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPERATE PAYMENT SHALL BE MADE.
-Hb	SEDIMENT BARRIER CONSTRUCTION DETAIL SECTION 163 LINE CODE —S—S—S—(Sd1-Hb)—S—S—S—		A BARRIER OF BALED STRAW IS USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT IS USED IN DITCHES AS DITCH CHECKS OR ALONG THE TOE OF SLOPE OR RIGHT OF WAY IN FILLS LESS THAN 10 FEET HIGH. THE BALES SHOULD RUN PARALLEL TO THE SILT YIELDING AREA UNTIL THE TOP OF THE BALE IS 6 INCHES LOWER THAN THE GROUND ELEVATION OF THE BEGINNING BALE. THEY SHOULD THEN TURN INTO THE FILL WITH A LOW POINT FOR THE WATER TO DRAIN OVER THE BALE. IN DITCHES, BALED STRAW SHOULD BE PERPENDICULAR TO THE FLOW, USED FOR SLOPES LESS THAN 1%. USE 100' SPACING. BALED STRAW SHALL BE STAKED SECURELY TO THE GROUND.
-B	BAFFLE BOX INLET SEDIMENT TRAP CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163 LINE CODE (Sd2-B)		USED FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q=7cfs.
-Bg	BLOCK & GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163 LINE CODE (Sd2-Bg)		USED FOR INLET PROTECTION WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q=5-7 cfs.
-F	INLET SEDIMENT TRAP CONSTRUCTION DETAILS SECTION 163 (a) OR (b) OR (c) LINE CODE (Sd2-F)		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5% THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECIEVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOWS THAT RANGE FROM Q=0-4 cfs.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Sd2-G	GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163 LINE CODE (Sd2-G)		USED FOR INLET PROTECTION WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q=3-5 cfs.
	Sd3	SEDIMENT BASIN CONSTRUCTION DETAIL SECTION 163 LINE CODE (Sd3)		A BASIN EXCAVATED OR AN AREA THAT IS DAMMED. THE BASIN IS DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARDS OF VOLUME PER ACRE OF DRAINAGE AREA. IT IS USED FOR DRAINAGE AREAS OF 3 TO 5 ACRES OR WHERE A ROADWAY CUTS OR FILLS EXCEEDS 1,000 FEET IN LENGTH. IF A SEDIMENT BASIN IS USED ON AN AREA LARGER THAN 5 ACRES SPECIAL CONSIDERATION FOR CLEAN OUT IS REQUIRED. SUFFICIENT RIGHT OF WAY OR PERMANENT EASEMENT NEEDED FOR THE BASIN AND ACCESS FOR CLEAN OUT VIA A ROUTE WITH 3:1 SLOPES OR LESS. SEDIMENT BASINS SHOULD ALSO BE CONSIDERED WHERE HIGH FILLS OVER 30 FEET DRAIN TO ONE LOCATION.
	Sg-1 Sg-2 Sg-3	SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163 LINE CODE (Sg-1) (Sg-2) (Sg-3)	 FRONT VIEW	A SILT CONTROL GATE IS A STRUCTURE PLACED ON A PIPE, SMALL BOX CULVERT, OR DROP INLET TO FORM A BASIN TO CATCH SILT AND PREVENT IT FROM LEAVING THE CONSTRUCTION SITE. IT IS EFFECTIVE ON SMALL DRAINAGE AREAS ONLY. DO NOT USE IN STATE WATERS. Sg-1=TYPE 1: USED ON BOX CULVERTS Sg-2=TYPE 2: USED ON STRAIGHT HEADWALLS Sg-3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	Sr	STREAM CROSSING SECTION 161 LINE CODE (Sr)		A TEMPORARY BRIDGE OR PIPE STRUCTURE PROTECTING A STREAM OR WATER COURSE FROM DAMAGE BY CONSTRUCTION EQUIPMENT. THIS AREA MUST BE COMPLETELY STABILIZED. THIS ITEM MUST BE DESIGNED ACCORDING TO CHAPTER 6 OF THE MANUAL FOR EROSION CONTROL IN GEORGIA FOR CONTRACTOR'S USE ONLY

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

11-13-07 1-19-07	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REV. Sg-1, Sg-2 AND Sg-3 REVISED TITLE BLOCK	REVISION	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 5 OF 6
		NO SCALE — JANUARY 2007
GLO GLO	BY	NUMBER EC-L5 — DRAWING No. 52-5

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES		

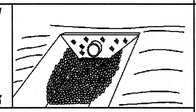
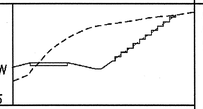
TOWN OF BRASELTON

OFFICE:

EROSION CONTROL LEGEND

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 52-05

St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332 LINE CODE St	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO PREVENT EROSION AND TO SLOW WATER. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY IS 12 fps AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION SECTION 603  PATTERN 	THIS ITEM IS ADDED TO "St" WHEN ADDITIONAL PROTECTION IS NEEDED. TYPE I RIP RAP PLACED ON FILTER FABRIC SHOULD BE USED AT A 24" THICKNESS. MAY BE USED ON INLETS FOR FLOWING STREAMS. REFER TO CHARTS IN "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR QUANTITIY DETERMINATION.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL SECTION 205  LINE CODE Su (LINE CODE Su IS SHOWN ON THE PLANS FOR SERRATED SLOPES WHERE SPECIFIED IN THE SOIL SURVEY.)	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS ITEM IS NOT REQUIRTED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE USED ON THE PROJECT, THEN THIS ITEM SHALL BE SHOWN WHERE SERRATED SLOPES ARE TO BE USED.

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

EROSION CONTROL LEGEND
AND UNIFORM CODE SHEET
SHEET 6 OF 6

NO SCALE — NOV., 2007

NUMBER EC-L6 — DRAWING No. 52-6

DATE / REVISION / BY

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

REVISION DATES

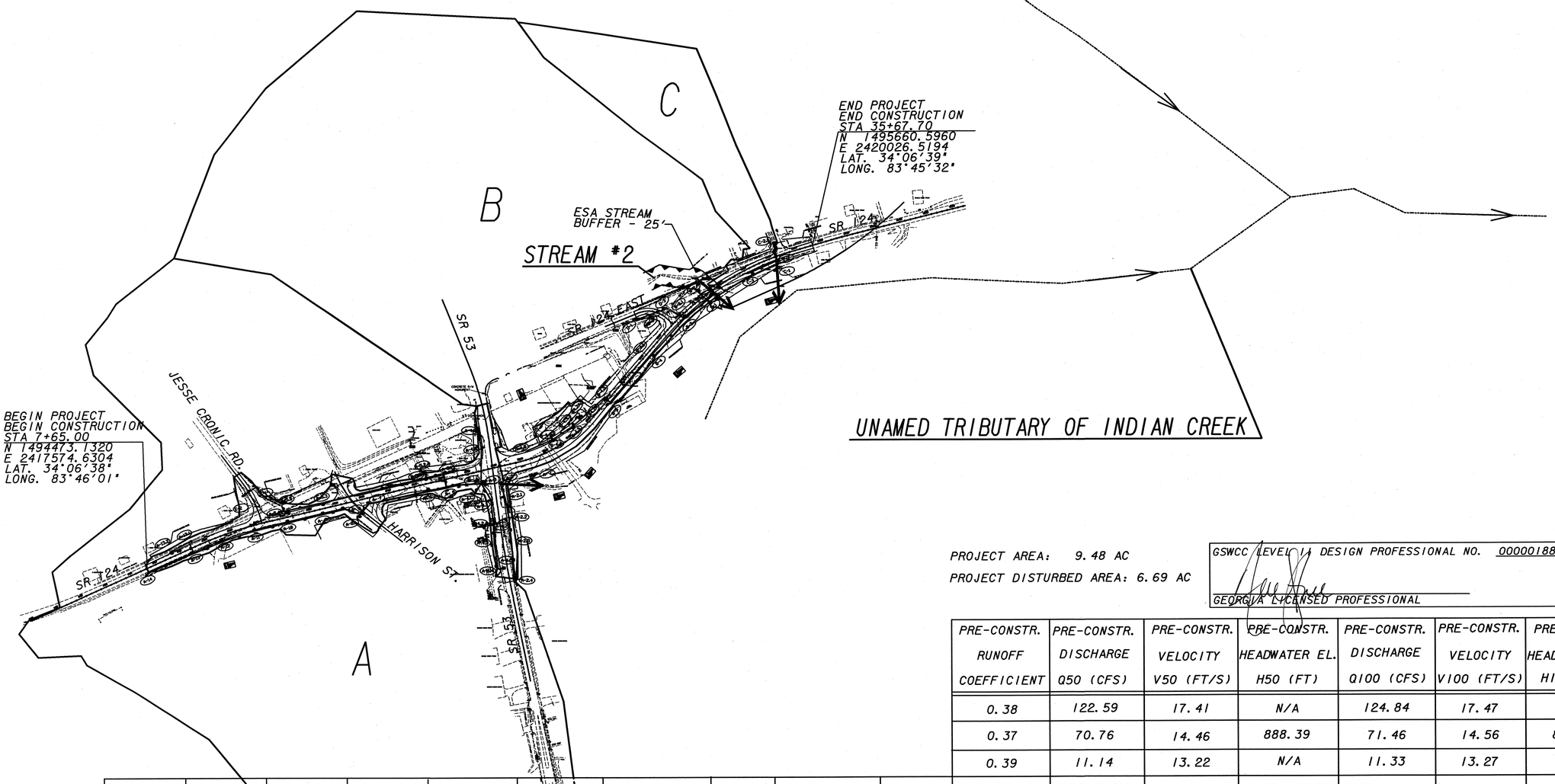
TOWN OF BRASELTON

OFFICE:

EROSION CONTROL LEGEND

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 52-06



PROJECT AREA: 9.48 AC

PROJECT DISTURBED AREA: 6.69 AC

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

OUTFALL STRUCTURE	DRAINAGE BASIN	DRAINAGE AREA	DISTURBED DRAINAGE AREA	℄ STRUCTURE STATION	ALIGNMENT	OUTFALL CULVERT SIZE	OUTFALL CULVERT SKEW	RECEIVING WATERS	OUTFALL CHANNEL SLOPE	PRE-CONSTR. RUNOFF COEFFICIENT	PRE-CONSTR. DISCHARGE Q50 (CFS)	PRE-CONSTR. VELOCITY V50 (FT/S)	PRE-CONSTR. HEADWATER EL. H50 (FT)	PRE-CONSTR. DISCHARGE Q100 (CFS)	PRE-CONSTR. VELOCITY V100 (FT/S)	PRE-CONSTR. HEADWATER EL. H100 (FT)	POST-CONSTR. RUNOFF COEFFICIENT	POST-CONSTR. DISCHARGE Q50 (CFS)	POST-CONSTR. VELOCITY V50 (FT/S)	POST-CONSTR. HEADWATER EL. H50 (FT)	POST-CONSTR. DISCHARGE Q100 (CFS)	POST-CONSTR. VELOCITY V100 (FT/S)	POST-CONSTR. HEADWATER EL. H100 (FT)
A1	A	65.97	4.16	57+42	S.R. 53	4' X 3' (BOX CULVERT)	79.70°	INDIAN CREEK	1.00%	0.38	122.59	17.41	N/A	124.84	17.47	N/A	0.40	129.12	10.76	N/A	131.50	10.96	N/A
B1	B	47.57	0.62	31+66	S.R. 124	54"	78.00°	INDIAN CREEK	1.00%	0.37	70.76	14.46	888.39	71.46	14.56	888.57	0.39	74.49	8.31	883.22	75.37	8.35	883.25
C1	C	5.60	0.34	57+67	S.R. 53	24"	72.10°	INDIAN CREEK	6.07%	0.39	11.42	13.22	N/A	11.33	13.27	N/A	0.40	11.42	5.82	N/A	11.63	5.96	N/A

JORDAN JONES & GOULDING

SCALE IN FEET
0 200 400 800

REVISION DATES

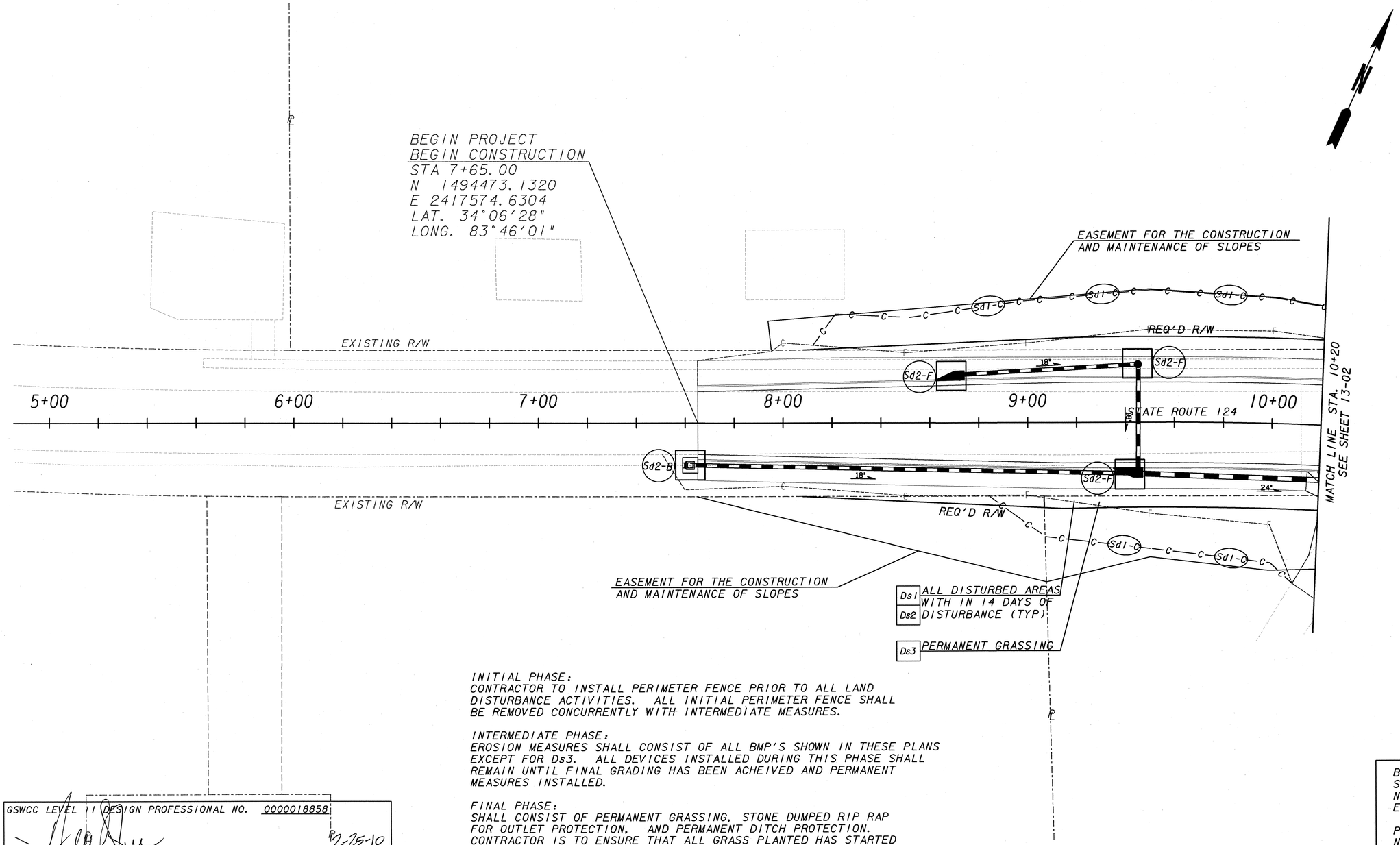
TOWN OF BRASELTON

OFFICE:

EROSION CONTROL
DRAINAGE AREA MAP

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 53-01



INITIAL PHASE:
CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

INTERMEDIATE PHASE:
EROSION MEASURES SHALL CONSIST OF ALL BMP'S SHOWN IN THESE PLANS EXCEPT FOR Ds3. ALL DEVICES INSTALLED DURING THIS PHASE SHALL REMAIN UNTIL FINAL GRADING HAS BEEN ACHEIVED AND PERMANENT MEASURES INSTALLED.

FINAL PHASE:
SHALL CONSIST OF PERMANENT GRASSING, STONE DUMPED RIP RAP FOR OUTLET PROTECTION, AND PERMANENT DITCH PROTECTION. CONTRACTOR IS TO ENSURE THAT ALL GRASS PLANTED HAS STARTED TO GROW BEFORE REMOVING TEMPORARY EROSION MEASURES.

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

BEGIN PROJECT
STA 7+65.00
N 1494473.2050
E 2417574.7930

PC STA 9+56.62
N 1494552.1800
E 2417749.1900

G.M.D 1765

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

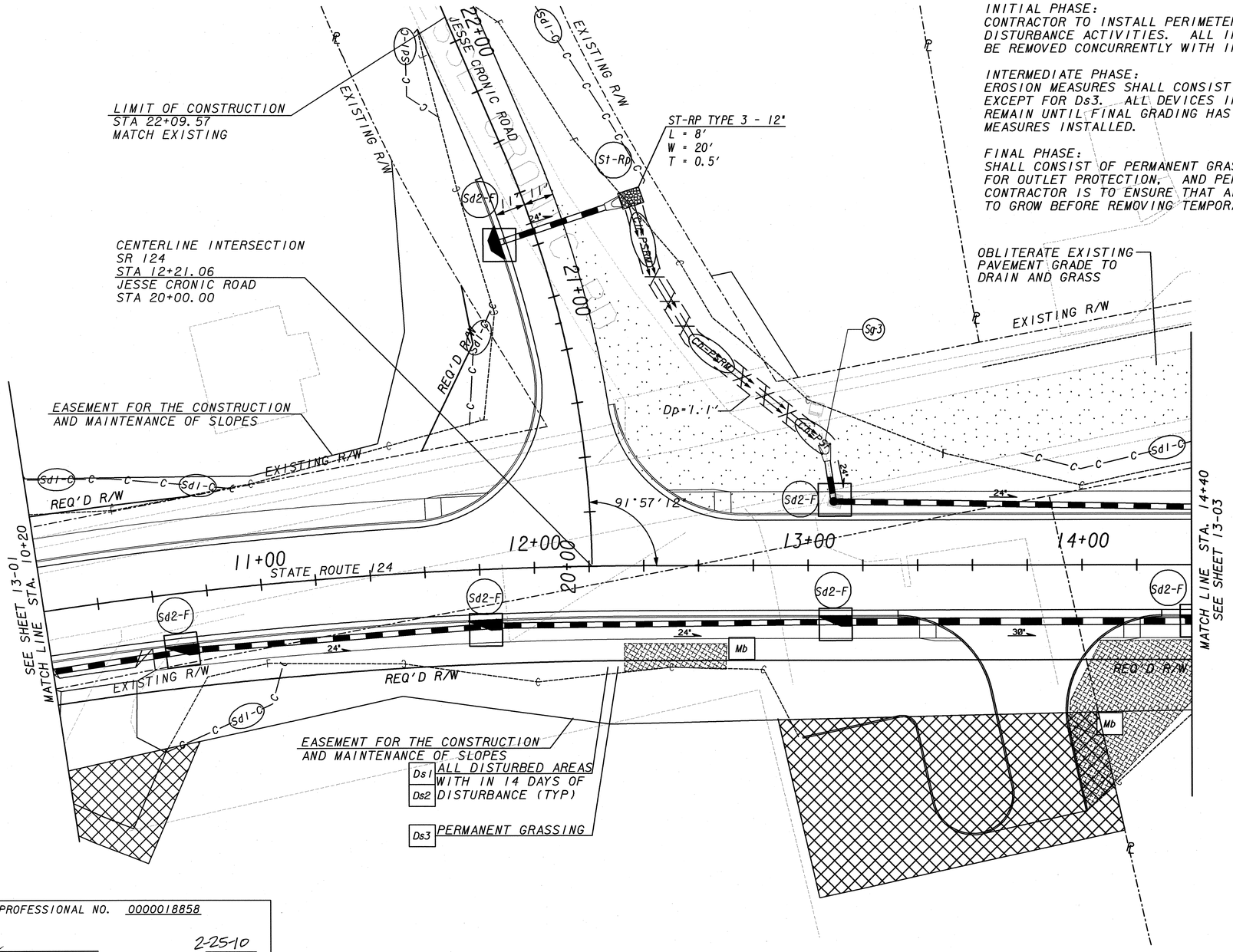
SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-01

INITIAL PHASE:
CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

INTERMEDIATE PHASE:
EROSION MEASURES SHALL CONSIST OF ALL BMP'S SHOWN IN THESE PLANS EXCEPT FOR Ds3. ALL DEVICES INSTALLED DURING THIS PHASE SHALL REMAIN UNTIL FINAL GRADING HAS BEEN ACHEIVED AND PERMANENT MEASURES INSTALLED.

FINAL PHASE:
SHALL CONSIST OF PERMANENT GRASSING, STONE DUMPED RIP RAP FOR OUTLET PROTECTION, AND PERMANENT DITCH PROTECTION. CONTRACTOR IS TO ENSURE THAT ALL GRASS PLANTED HAS STARTED TO GROW BEFORE REMOVING TEMPORARY EROSION MEASURES.



STA 10+60.00
N 1494598.3980
E 2417863.5450

PT STA 12+44.67
N 1494645.1590
E 2418021.3510

G.M.D 1765

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

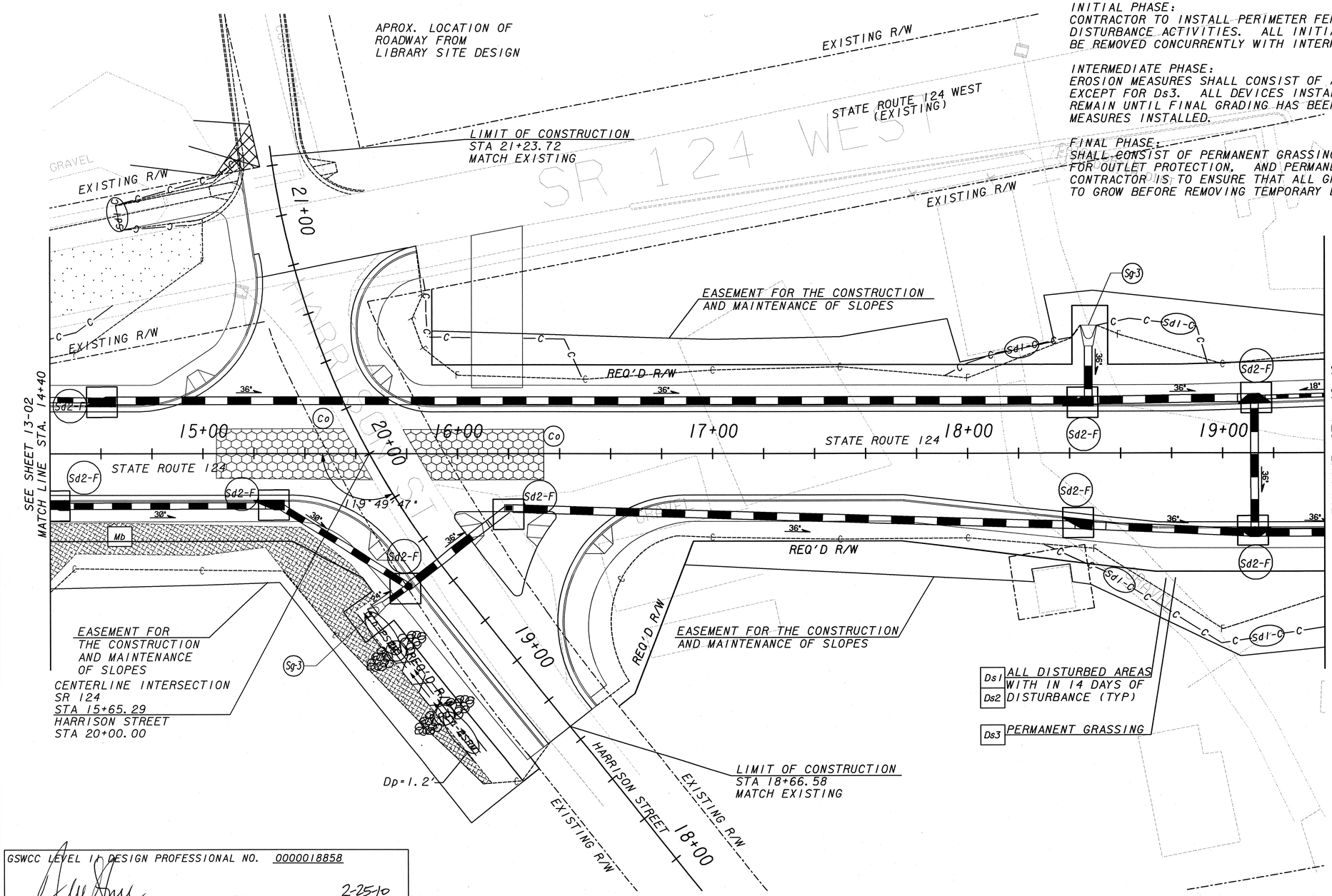
DRAWING No. 54-02

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782er03.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAP0-S006-00(782)	108	121

INITIAL PHASE:
CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

INTERMEDIATE PHASE:
EROSION MEASURES SHALL CONSIST OF ALL BMP'S SHOWN IN THESE PLANS EXCEPT FOR Ds3. ALL DEVICES INSTALLED DURING THIS PHASE SHALL REMAIN UNTIL FINAL GRADING HAS BEEN ACHEIVED AND PERMANENT MEASURES INSTALLED.

FINAL PHASE:
SHALL CONSIST OF PERMANENT GRASSING, STONE DUMPED RIP RAP FOR OUTLET PROTECTION, AND PERMANENT DITCH PROTECTION. CONTRACTOR IS TO ENSURE THAT ALL GRASS PLANTED HAS STARTED TO GROW BEFORE REMOVING TEMPORARY EROSION MEASURES.



GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

CENTERLINE INTERSECTION
STA 15+65.29
N 1494719.2480
E 2418333.2970

STA 19+00.00
N 1494796.5910
E 2418658.9430

G.M.D 1765

JORDAN JONES & GOULDING

SCALE IN FEET 0 20 40 80

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

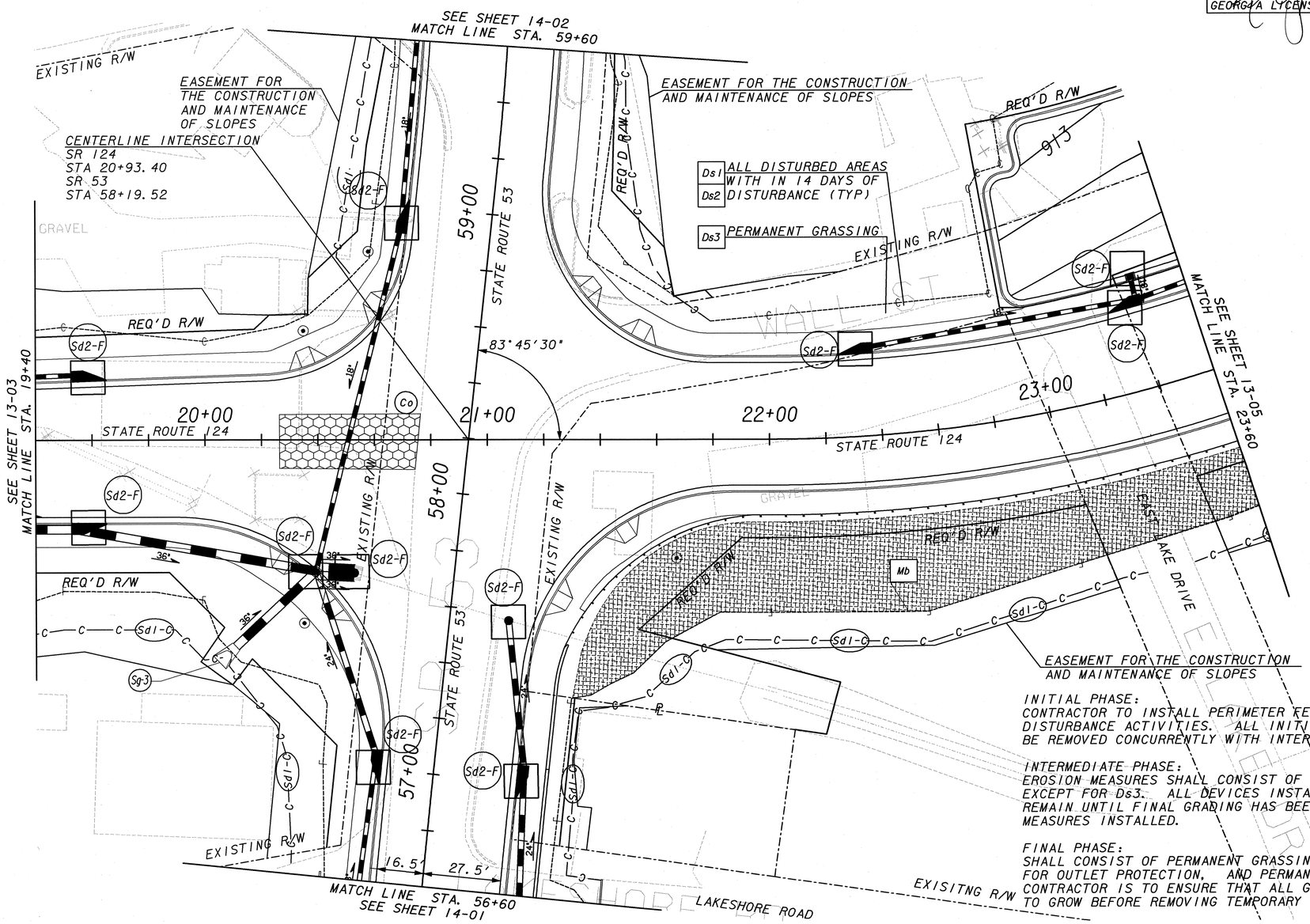
SR53 & SR124 INTERSECTION REALIGNMENT

DRAWING No. 54-03

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782er04.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAPO-S006-00(782)	109	121

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 22510



INITIAL PHASE:
CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

INTERMEDIATE PHASE:
EROSION MEASURES SHALL CONSIST OF ALL BMP'S SHOWN IN THESE PLANS EXCEPT FOR Ds3. ALL DEVICES INSTALLED DURING THIS PHASE SHALL REMAIN UNTIL FINAL GRADING HAS BEEN ACHEIVED AND PERMANENT MEASURES INSTALLED.

FINAL PHASE:
SHALL CONSIST OF PERMANENT GRASSING, STONE DUMPED RIP RAP FOR OUTLET PROTECTION, AND PERMANENT DITCH PROTECTION. CONTRACTOR IS TO ENSURE THAT ALL GRASS PLANTED HAS STARTED TO GROW BEFORE REMOVING TEMPORARY EROSION MEASURES.

CENTERLINE INTERSECTION
STA 20+93.40
N 1494841.2820
E 2418847.1120

PC STA 22+02.56
N 1494866.5070
E 2418953.3190

G.M.D 1765

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES		

TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-04

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782er05.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAPO-S006-00(782)	110	121

INITIAL PHASE:
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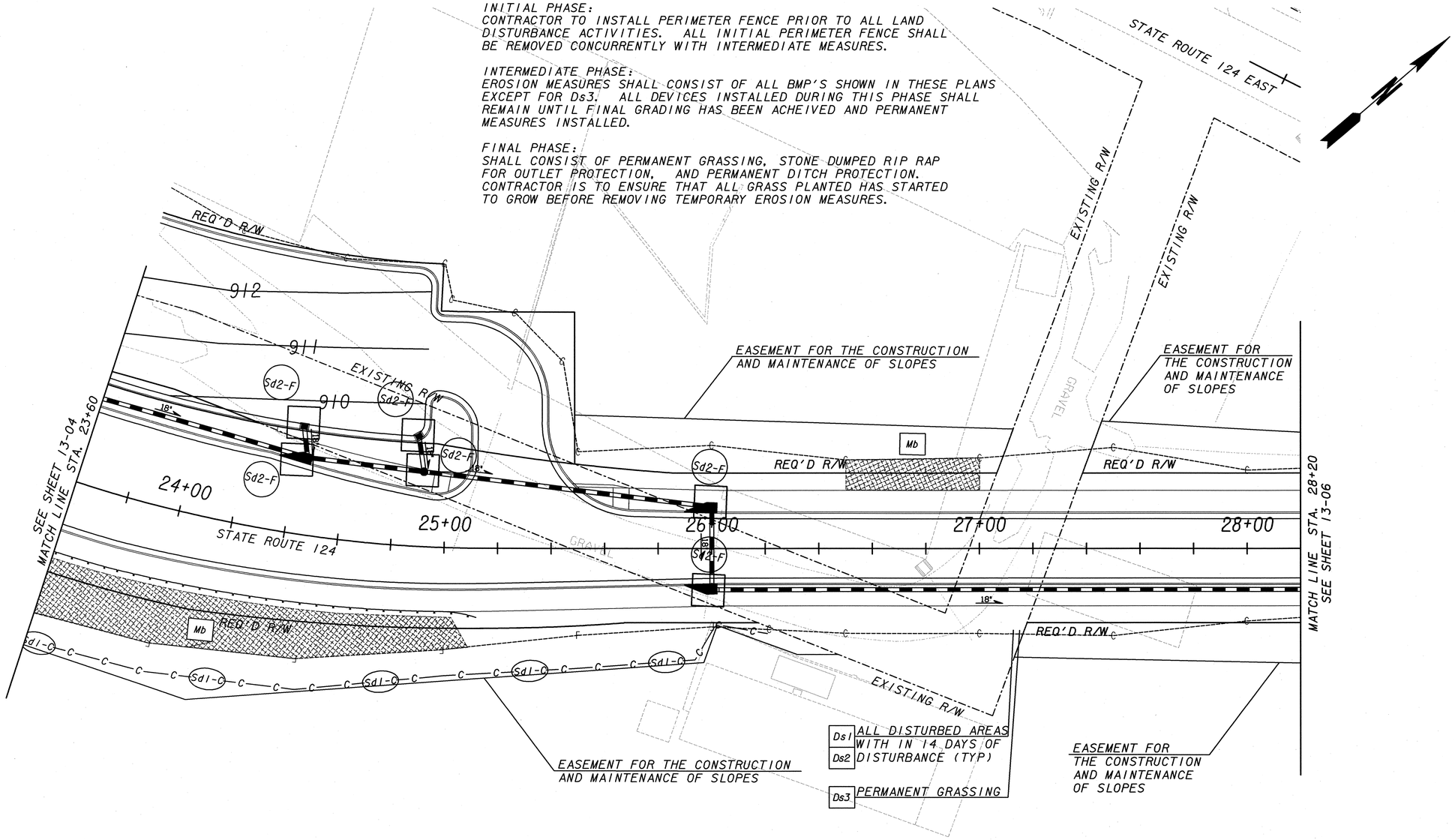


GSWCC LEVEL VI DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

PT STA 25+16.98
N 1495027.5170
E 2419217.3560

STA 28+00.00
N 1495242.3760
E 2419401.5800

G.M.D 1765

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES

TOWN OF BRASELTON

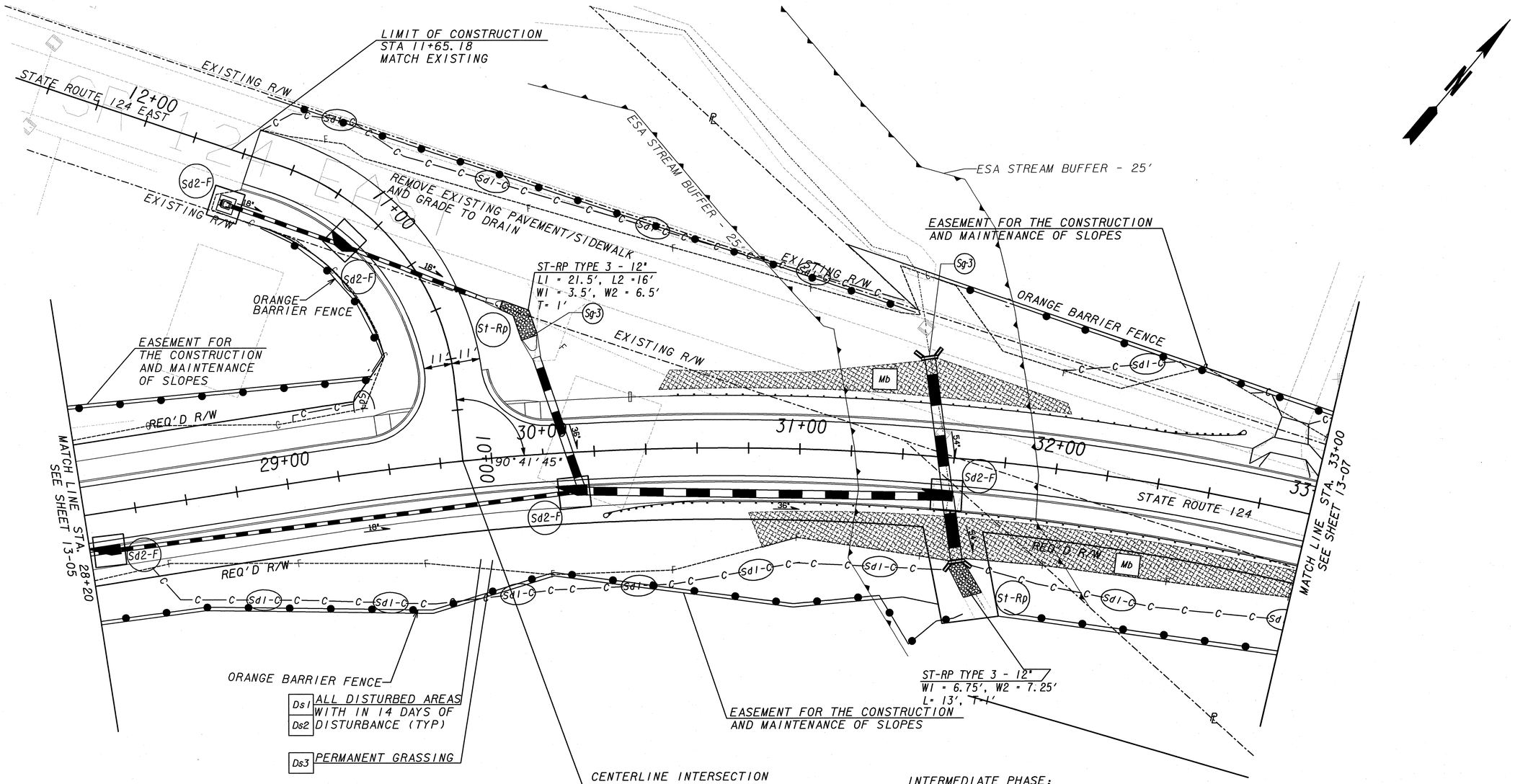
OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-05

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782er06.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAPO-S006-00(782)	111	121



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CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

PC STA 29+16.70
N 1495330.9710
E 2419477.5440

STA 32+60.00
N 1495548.5160
E 2419740.9330

G.M.D 1765

GSWCC LEVEL IB DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL

2-25-10
DATE

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES

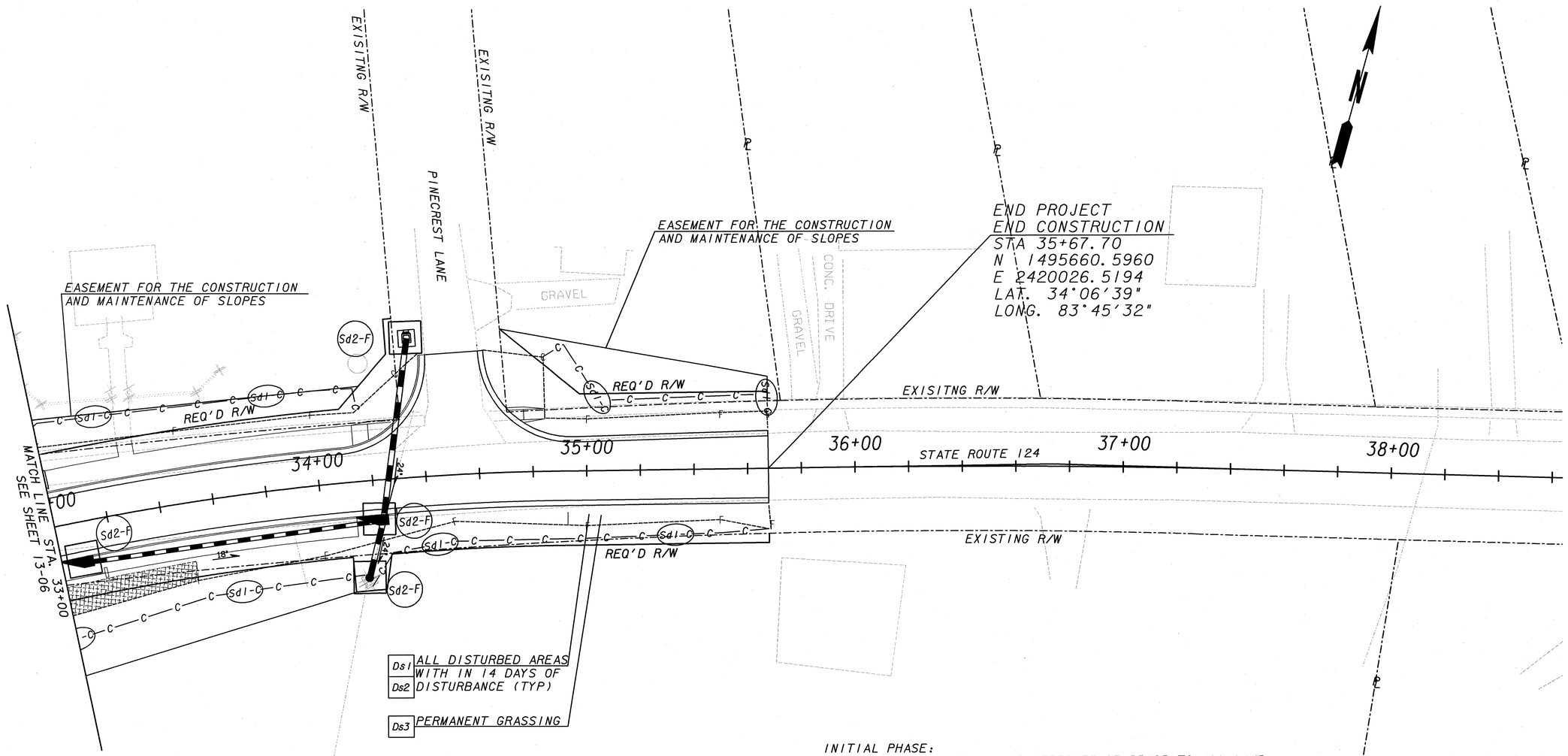
TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No.
54-06



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STA 33+20.00
N 1495576.6810
E 2419793.9020

PC STA 35+93.41
N 1495667.8510
E 2420051.1880

G.M.D 1765

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES		

TOWN OF BRASELTON

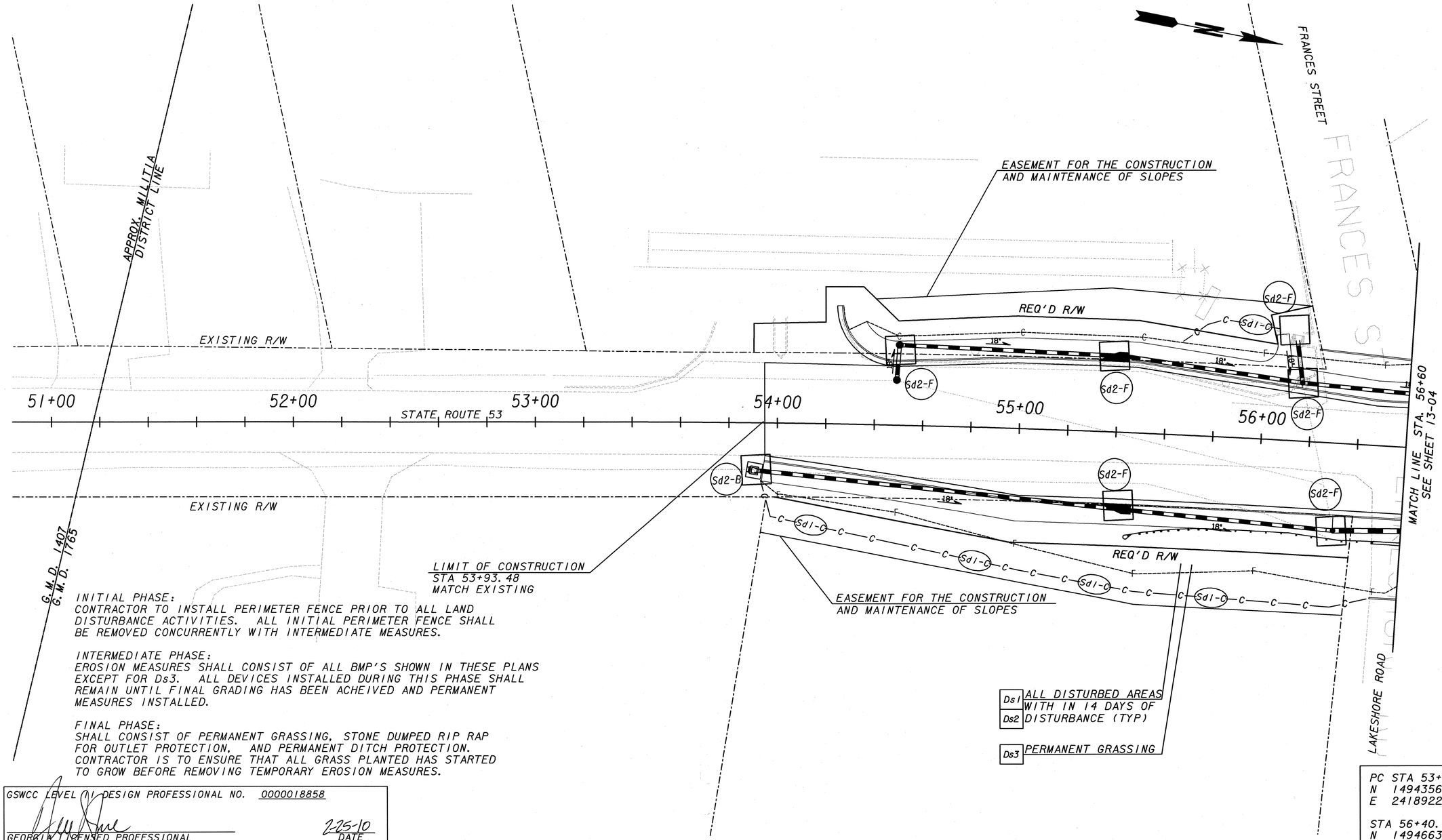
OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-07

DATETIME$$$	TIME$$$	GDOTRoad	p:\02\02358\003\dgn\006782er08.dgn	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
david.jackson		ROAD_HALF.TBL		JACKSON	TSAPO-S006-00(782)	113	121



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GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

JORDAN JONES & GOULDING

SCALE IN FEET: 0 20 40 80

REVISION DATES

TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-08

INITIAL PHASE:
CONTRACTOR TO INSTALL PERIMETER FENCE PRIOR TO ALL LAND DISTURBANCE ACTIVITIES. ALL INITIAL PERIMETER FENCE SHALL BE REMOVED CONCURRENTLY WITH INTERMEDIATE MEASURES.

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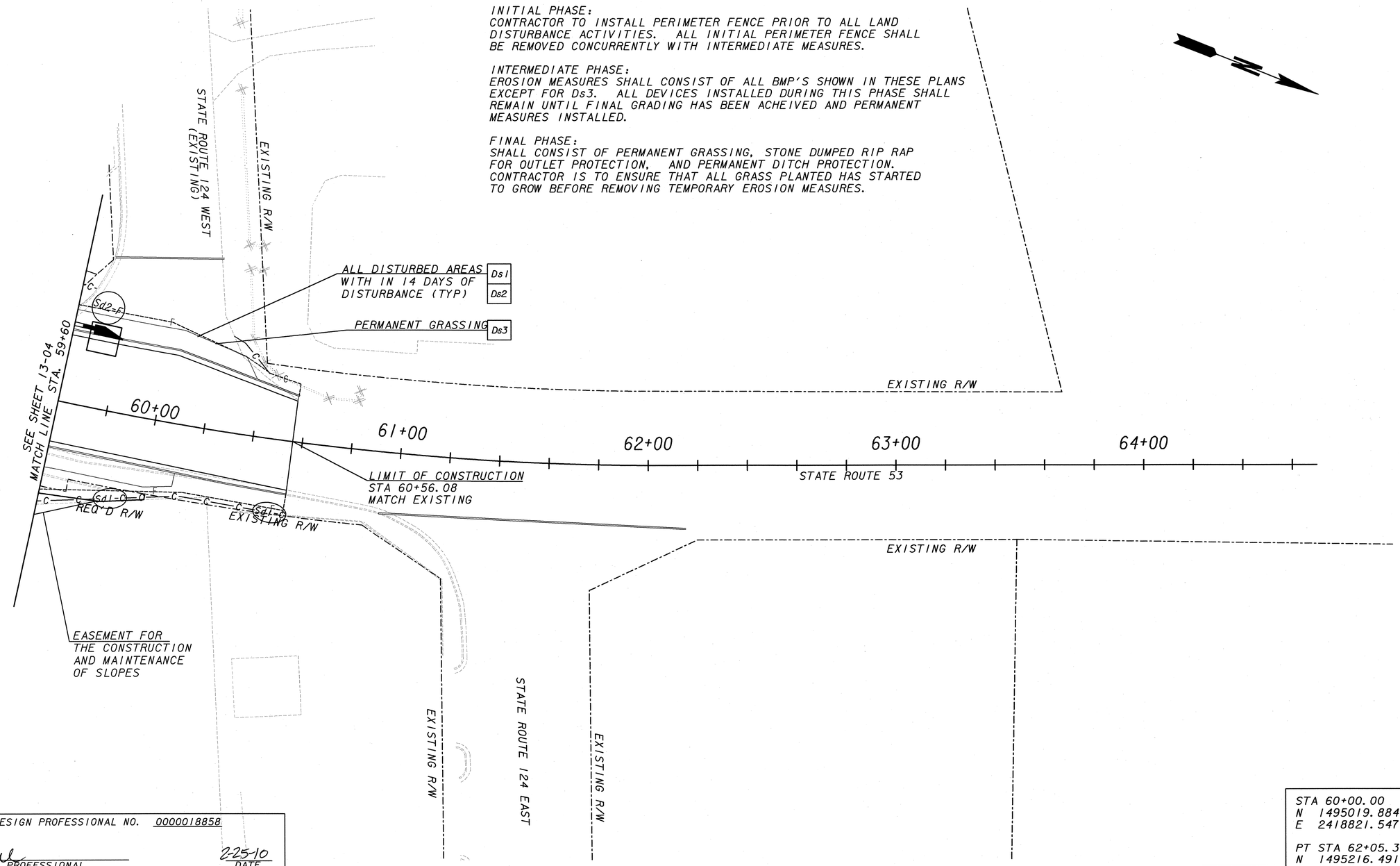


GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL — DATE 2-25-10

STA 60+00.00
N 1495019.8840
E 2418821.5470

PT STA 62+05.39
N 1495216.4910
E 2418763.0900

G.M.D 1765

JORDAN JONES & GOULDING

SCALE IN FEET
0 20 40 80

REVISION DATES

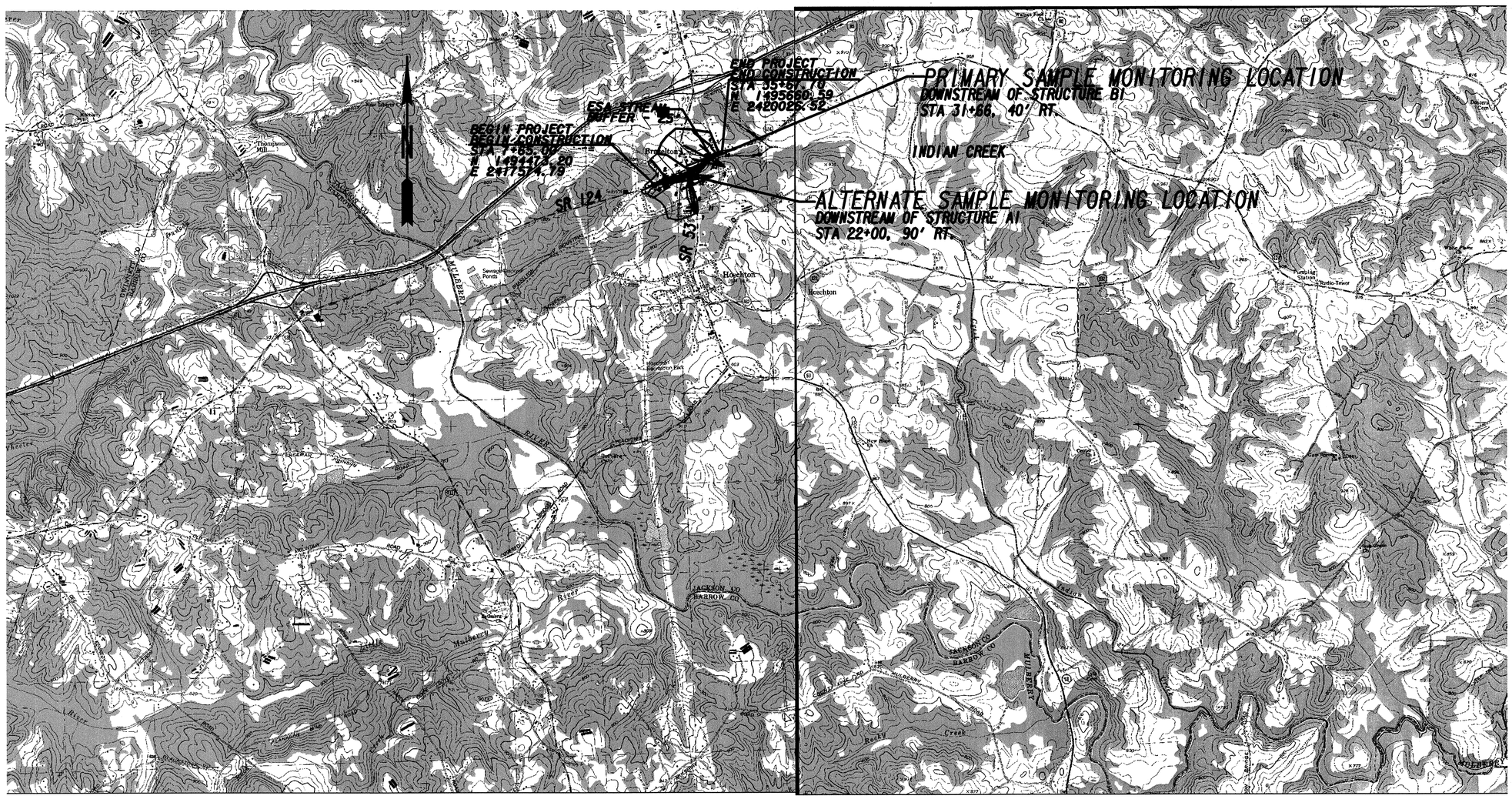
TOWN OF BRASELTON

OFFICE:

BMP LOCATION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 54-09



GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL

2-25-10
DATE

JORDAN JONES & GOULDING

SCALE IN FEET
0 2000 4000 8000

REVISION DATES		

TOWN OF BRASELTON

OFFICE:

ESPCP WATERSHED MAP

SR53 & SR124
INTERSECTION REALIGNMENT

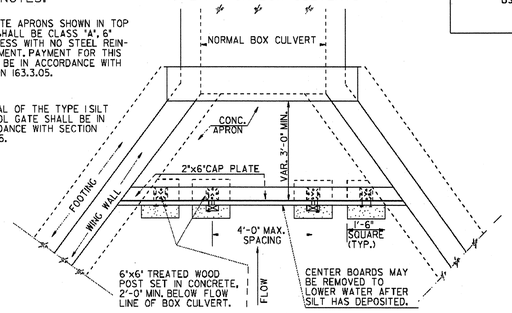
DRAWING No.
55-01

NOTES:

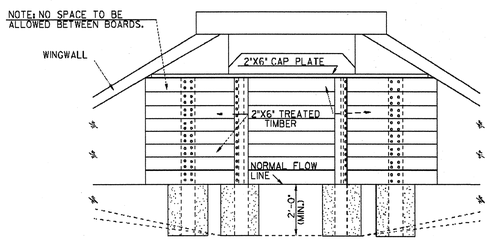
1. CONCRETE APRONS SHOWN IN TOP VIEW SHALL BE CLASS "A", 6" THICKNESS WITH NO STEEL REINFORCEMENT. PAYMENT FOR THIS SHALL BE IN ACCORDANCE WITH SECTION 163.3.05.
2. REMOVAL OF THE TYPE I SILT CONTROL GATE SHALL BE IN ACCORDANCE WITH SECTION 163.3.05.

USES: A silt control gate is a structure placed on a pipe, small box culvert, or drop inlet to form a basin to catch silt and prevent it from leaving the construction site.

TYPE 1 - FOR BOX CULVERTS

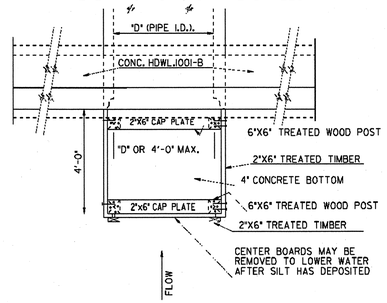


TOP VIEW

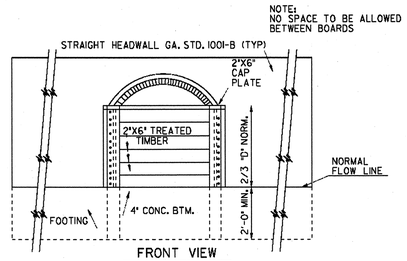


FRONT VIEW

TYPE 2 - FOR STRAIGHT HEADWALLS



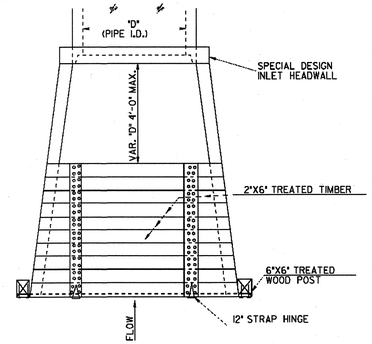
TOP VIEW



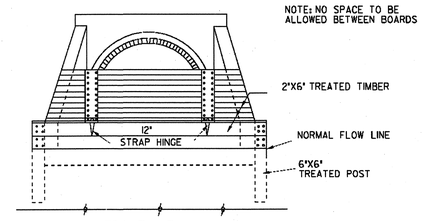
FRONT VIEW

TYPE 3 - FOR FLARED END SECTIONS AND TAPERED HEADWALLS

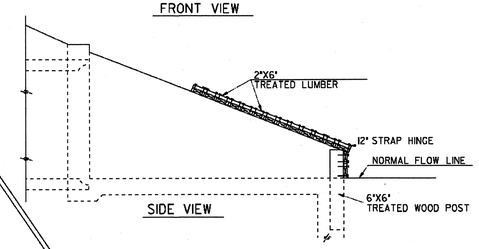
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



TOP VIEW



FRONT VIEW



SIDE VIEW

INLET SEDIMENT TRAP - FOR DROP INLETS

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

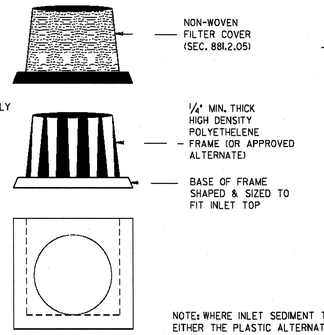
TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL. #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

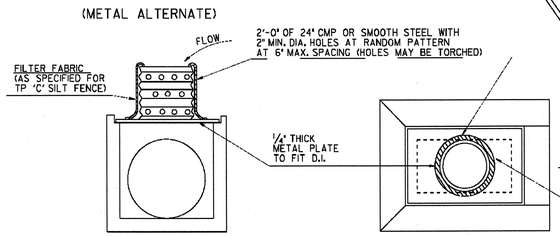
NOTE:
IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

(PLASTIC ALTERNATE)



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

DATE	REVISION	BY	CALC MGR
1-26-05	ADDED PAYMENT NOTE		
10-22-02	REV. SPECIFICATION		

Designed ___
Drawn ___
Traced ___
Checked 8-72

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
SILT CONTROL GATES
FOR STRUCTURES
TYPE- 1, 2, 3:
INLET SEDIMENT TRAP

REV. & REDR. DEC., 2000

NUMBER D-20

GSWCC LEVEL I DESIGN PROFESSIONAL NO. 00000018858
2-25-10 DATE
GEORGIA LICENSED PROFESSIONAL

JORDAN JONES & GOULDING

REVISION DATES		

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL
CONSTRUCTION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 56-01

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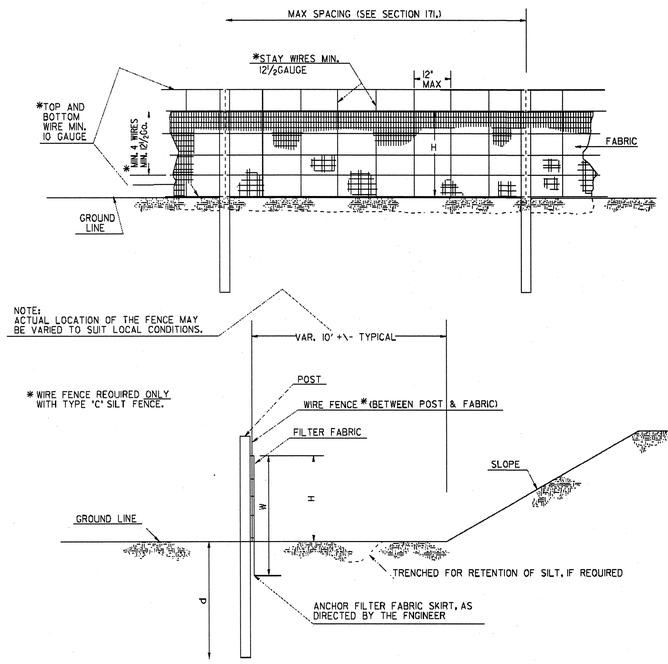
TEMPORARY SILT FENCE DETAILS



ELEVATION

TEMPORARY SILT FENCES ARE FOR USE WHERE IT HAS BEEN DETERMINED THAT BALED STRAW EROSION CHECKS ARE INADEQUATE OR THAT SILT FENCES CAN BE JUSTIFIED ON A COST EFFECTIVE BASIS.

TEMPORARY SILT FENCES ARE NOT TO BE CONFUSED WITH SILT RETENTION BARRIERS.

SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.

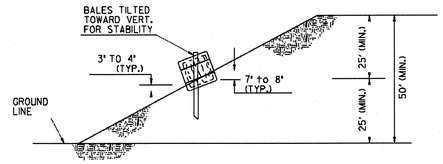
FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE 'A'	4 FT.	2'-2"	1'-6"	3'-0"	WHERE FILL EXEEDS 10 FT. HEIGHT;
TYPE 'B'	3 FT.	1'-4"±	1'-6"	1'-10"	WHERE FILL HEIGHTS ARE UNDER 10 FT.;
TYPE 'C'	4 FT.	2'-2"	1'-6"	3'-0"	& AT BRIDGE END ROLLS, DITCH CHECKS, & AT GRADES OVER 8% AT 25 FT. SPACING.

(SEE SHEET 2 OF 2 FOR ADDITIONAL APPLICATIONS.)

BALED STRAW EROSION CHECK DETAILS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

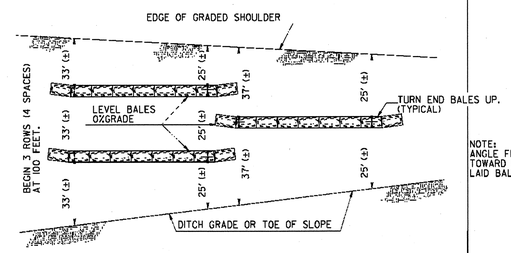
BALED STRAW ON FILL SLOPE



ELEVATION

(ONE ROW OF BALES SHOWN-2 OR MORE MAY BE SPECIFIED)

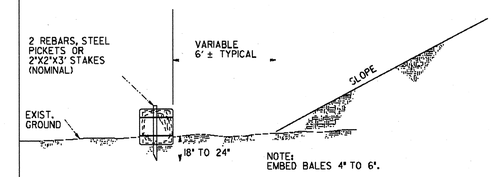
NOTE: FOR BALED STRAW OR SILT FENCE AT TOE OF SLOPE, SEE DETAILS AT LEFT OR RIGHT AND ALSO SHEET 2 OF 2.



LONGITUDINAL VIEW

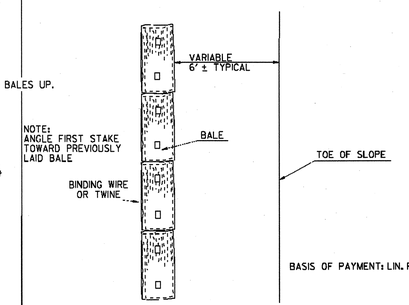
(DIMENSIONS ARE MEASURED VERTICALLY.)

BALED STRAW AT TOE OF SLOPE



ELEVATION

NOTE: THE 6' ± OFFSET MAY BE VARIED TO SUIT LOCAL CONDITIONS.



NOTE: ANGLE FIRST STAKE TOWARD PREVIOUSLY LAID BALE

BASIS OF PAYMENT: LIN. FT.

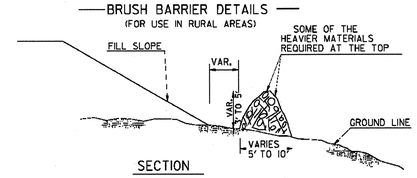
PLAN

NOTE: BALED STRAW IS USED IN TYPICAL RURAL AREAS WHERE FILLS ARE FROM 5 FT. TO 10 FT. HIGH, FOR DITCH CHECKS, AND AS SPECIFIED ELSEWHERE.(See Sh. 2 of 2)

SYNTHETIC HAY BALES OF TYPE WHICH HAVE BEEN CLASSIFIED AS "ACCEPTED" BY THE D.O.T. OFFICE OF MATERIALS & RESEARCH MAY BE USED AS AN ALTERNATE TO BALED STRAW AS APPROVED BY THE ENGINEER.

BRUSH BARRIER DETAILS

(FOR USE IN RURAL AREAS)



SECTION

NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.

FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BY	REVISION	DATE
	REVI. & REDR.	9-98

TEMPORARY SILT FENCE
BALED STRAW EROSION CHECK
BRUSH BARRIER DETAILS

(SHEET 1 OF 2)

D-24(a)

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 00000018858

GEORGIA LICENSED PROFESSIONAL

2-25-10
DATE

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JORDAN JONES & GOULDING

REVISION DATES		

TOWN OF BRASELTON

OFFICE:

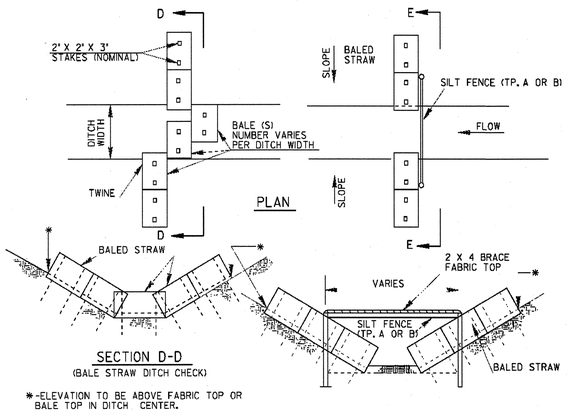
EROSION CONTROL
CONSTRUCTION DETAILS

SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 56-02

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TYPICAL LOCATIONS IN DITCHES

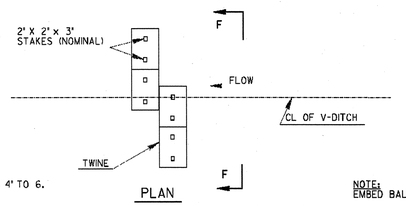


SECTION D-D
(BALE STRAW DITCH CHECK)

SECTION E-E
(SILT FENCE DITCH CHECK)

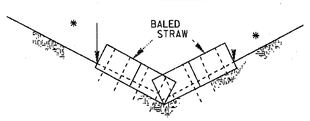
* -ELEVATION TO BE ABOVE FABRIC TOP OR BALE TOP IN DITCH CENTER.

NOTE:
BALED STRAW DITCH CHECKS ARE FOR USE ON GRADES OF 1PERCENT OR LESS AT SPACINGS OF 100 FEET + -.



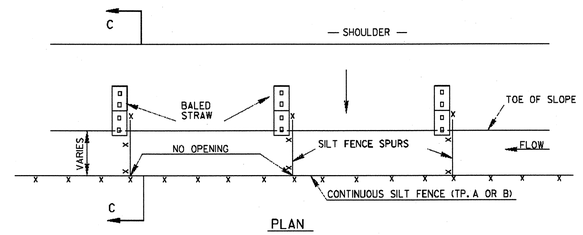
PLAN

NOTE:
EMBED BALES 4" TO 6.

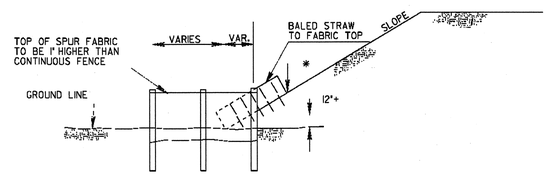


SECTION F-F

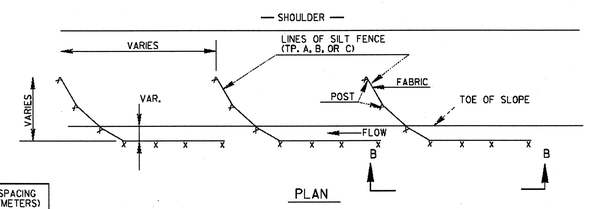
TYPICAL LOCATIONS AT TOE OF SLOPES



PLAN



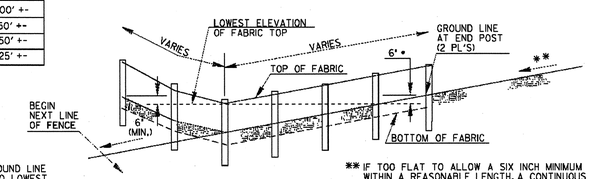
SECTION C-C



PLAN

NOTE:
EMBED BALES 4" TO 6".

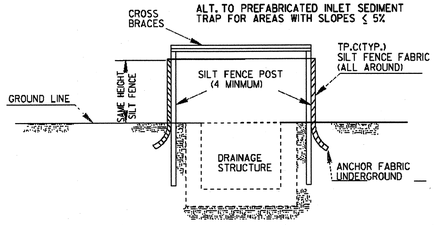
GRADE OF DITCH OR SLOPE	TYPE OF SILT FENCE	SPACING (METERS)
LESS THAN 1%	TYPE B	100' +-
1% TO 2%	TYPE A	100' +-
2% TO 3%	TYPE A	50' +-
3% TO 4%	TYPE C	50' +-
4% TO 5%	TYPE C	25' +-



** IF TOO FLAT TO ALLOW A SIX INCH MINIMUM WITHIN A REASONABLE LENGTH, A CONTINUOUS RUN OF FENCE SHALL BE INSTALLED BEYOND THE TOE OF SLOPE WITH SPURS RUNNING UP THE TOE OF SLOPE, AS SHOWN.

SECTION B-B

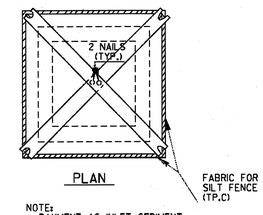
TYPICAL LOCATION AROUND DROP INLETS



ELEVATION

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

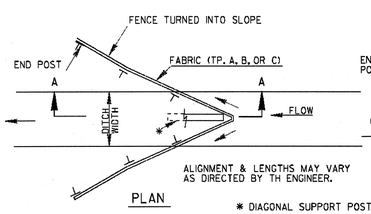


PLAN

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

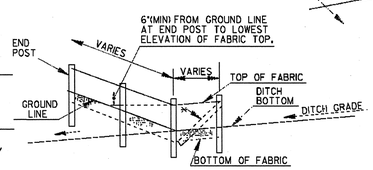
NOTE:

SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE, BALED STRAW EROSION CHECK, BRUSH BARRIER DETAILS" FOR BALED STRAW AT TOE OF SLOPE, FOR SILT FENCE ERECTION DETAILS, OR FOR BRUSH BARRIERS, WHERE REQUIRED.



PLAN

* DIAGONAL SUPPORT POST



SECTION A-A

MGR	REV. SILT FENCE REQ.	10-22-02
RMU	REV. & REQ'D.	9-01
JJA/M.	ADD "DIES" CAUDE	5-14-93
BY	REVISION	DATE

CONSTRUCTION DETAILS
TYPICAL LOCATION DETAILS FOR SILT FENCES / BALED STRAW

(SHEET 2 OF 2)
NO SCALE

AUGUST 1989

D-24(b)

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

GEORGIA LICENSED PROFESSIONAL

2-25-10
DATE

JORDAN JONES & GOULDING

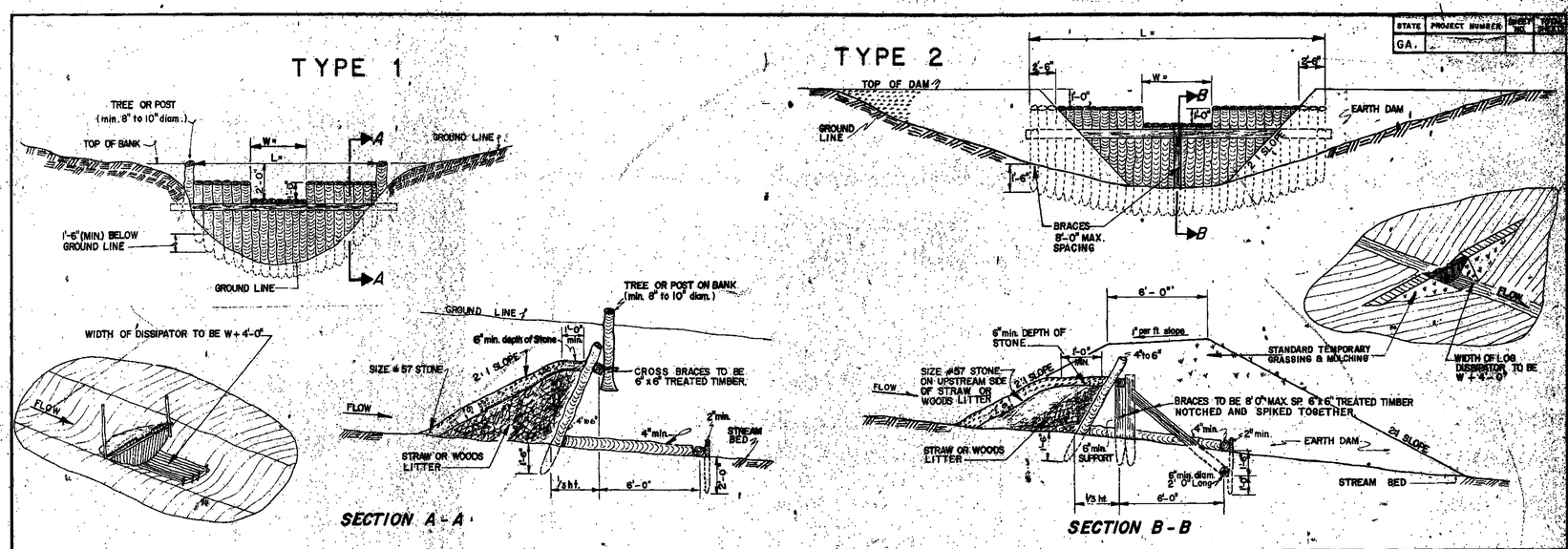
REVISION DATES		

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL
CONSTRUCTION DETAILS
SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 56-03



USES

THESE ITEMS ARE USED ON EASEMENTS AND IN RURAL WOODED AREAS. THE PURPOSE OF THE CHECK DAM IS TO REDUCE FLOW VELOCITY. LOWER VELOCITIES REDUCE EROSION POTENTIAL AND ALLOW SOME SUSPENDED SEDIMENT TO DEPOSIT. THEY ARE USED DOWNSTREAM OF DRAINAGE STRUCTURES BUT SHOULD NOT BE USED IN FLOWING STREAMS. CHECK DAMS ARE USUALLY CONSTRUCTED OF ALL NATURAL MATERIALS FROM THE AREA AND LEFT IN PLACE. THIS ITEM MAY BE USED ON THE R.O.W. BUT HAS BEEN LARGELY REPLACED BY DITCH CHECKS OF SILT FENCE OR HAY BALES OR RIPRAP. IT MAY BE USED IN AREAS WHERE BACKUP IS NEEDED TO PROTECT TROUT STREAMS OR LAKES FROM SILTATION PRODUCED BY MAJOR FLOOD EVENTS. THIS ITEM IS USED ON FOREST SERVICE LANDS.

STATE	PROJECT NUMBER
GA.	

BY	REVISIONS	DATE
JLP	Plan Review Revisions	5-14-09
JLP	Checked	3-1-71
JLP	Drawn	12-1-78
R.W.	Stops Curve Radii m.t.	4-23-79

CONSTRUCTION DETAIL
EROSION CONTROL CHECK DAMS

AUGUST, 1969

DESIGNED JMW
DRAWN JMW
TRACED JMW
CHECKED JLP

SUBMITTED
APPROVED

K+E PLATE 1, PLAN-PROFILE

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 00000018858

2-25-10
DATE

GEORGIA LICENSED PROFESSIONAL

JORDAN JONES & GOULDING

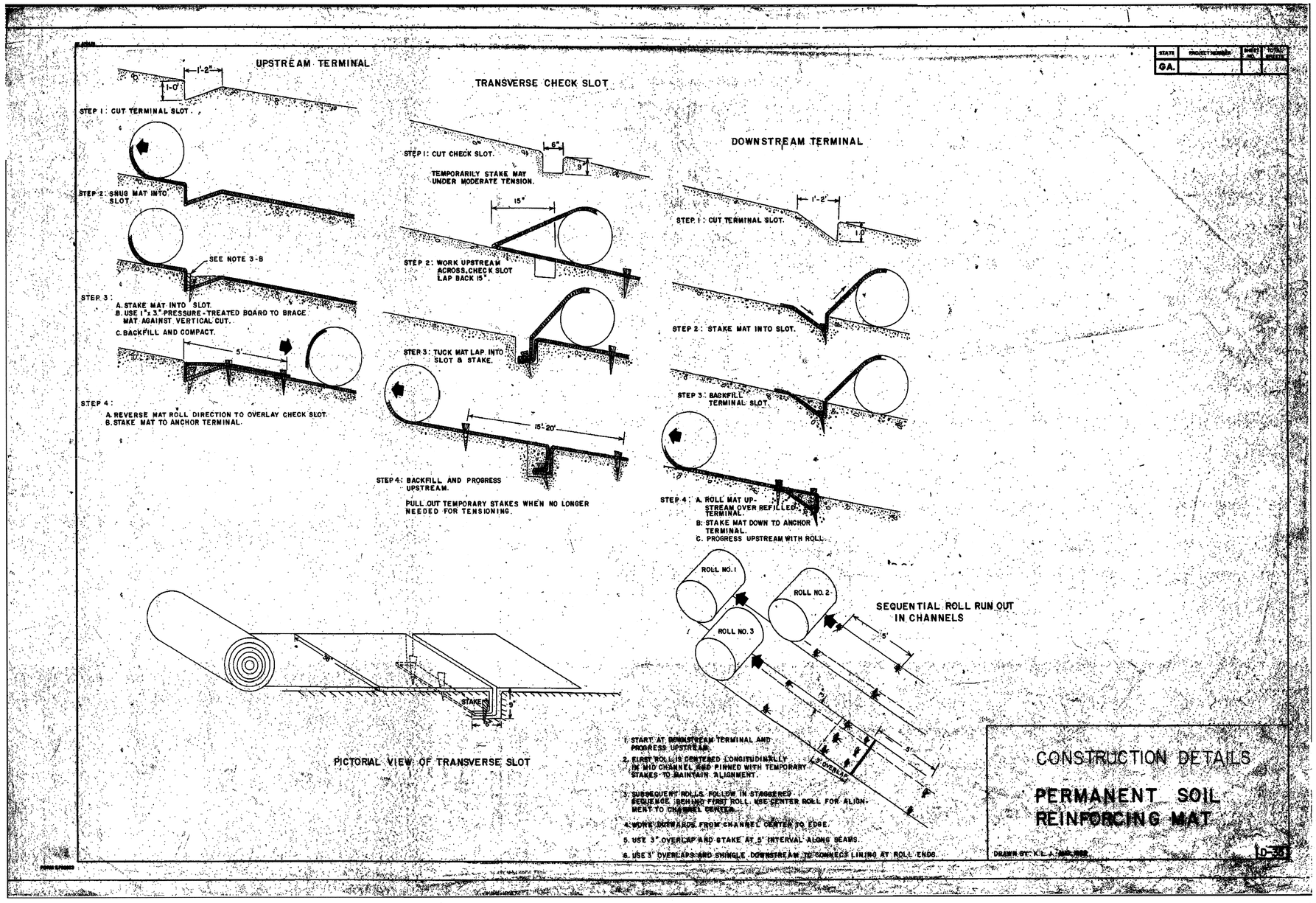
REVISION DATES

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL
CONSTRUCTION DETAILS
SR53 & SR124
INTERSECTION REALIGNMENT

DRAWING No. 56-04



GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

2-25-10
DATE

GEORGIA LICENSED PROFESSIONAL

JORDAN JONES & GOULDING

REVISION DATES		

TOWN OF BRASELTON

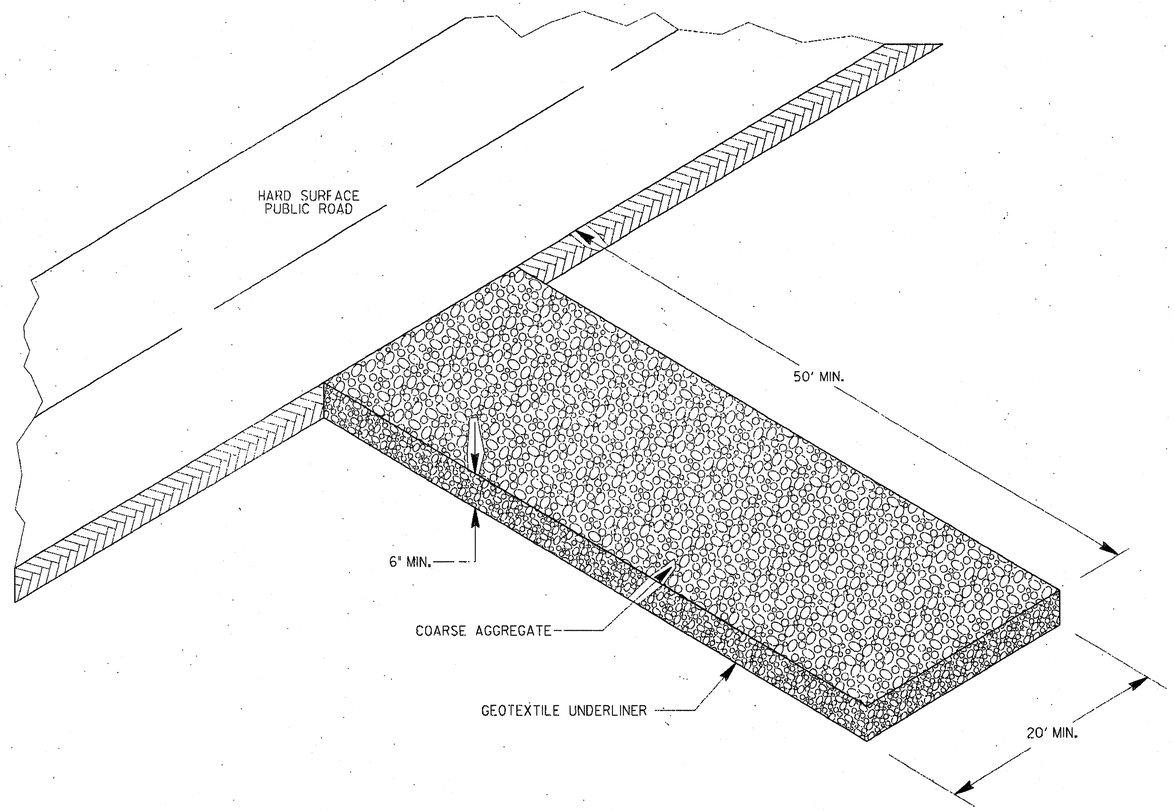
OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

SR53 & SR124 INTERSECTION REALIGNMENT

DRAWING No. 56-05

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



ITEM: 163-0300__CONSTRUCTION EXIT___EACH

MAINTENANCE

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5 - 3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

CONSTRUCTION EXIT

NO SCALE — FEB., 2001

NUMBER D-41

GSWCC LEVEL II DESIGN PROFESSIONAL NO. 0000018858

2-25-10
DATE

GEORGIA LICENSED PROFESSIONAL

JORDAN JONES & GOULDING

REVISION DATES		

TOWN OF BRASELTON

OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

SR53 & SR124 INTERSECTION REALIGNMENT

DRAWING No. 56-06