

DESCRIPTION OF PROJECT
 Improvements to Venture Drive with its revised configuration of Pleasant Hill Road are approximately 600 feet. The existing right turn lane on the redesigned Venture Drive will be changed to a street through and right turn lane to allow traffic to continue straight onto Gwinnett Pkwy. Also, the existing left turn lane on Pleasant Hill Road will be changed to a left turn to allow left turns onto Gwinnett Pkwy Drive.

REVISED November 9, 2012
ESRPC GENERAL NOTES:
 The location of sediment from the site shall be provided by the installation of erosion and sediment control measures and practices prior to any construction activities.
 Erosion control measures will be maintained at all times. Full implementation of the approved plan does not provide for effective erosion control, sedimentation and sediment control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS
 The Erosion Sedimentation and Pollution Control Plan (ESRPC) is provided by the Department. If amendments, if the Contractor needs to alter the slope construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance with Special Provision 61 of the contract.
 The Contractor, the Certified Design Professional and the WECS shall carefully evaluate the plan prior to commencing land disturbing activities. A major modification or deletion of structure BMPs may require a revised design and requires additional BMPs. The ESRPC and the signature of a GSWPC Certified Soil Erosion and Sedimentation.

TEMPORARY MULCHING
 EPP General Permit GPR 00002 requires any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding. However, the Department typically requires that the type of mulch or seeding used be specified in the construction documents. Special provisions or specifications may result in the use of a different type of mulch or seeding.
VEGETATION AND PLANTING SCHEDULE
 All temporary and permanent vegetation practices including plant species, seeding rates, seeding, fertilizing, mulching, and watering for this project can be found in section 700 of the current edition of the Department's Standard Specifications for special provisions and other applicable contract documents for landscaping plants.
SEEDING OF VAPOD ACTIVITIES
 The Contractor is responsible for designing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded with the NOA. A copy of the construction schedule shall be maintained at the project site.
 The project budget includes sufficient funds for the payment of construction utility. The Contractor is responsible for establishing of least one (1) construction bill per the specifications of the Department for seeding the restoration of the construction utility.
 BMPs shall be placed according to the slope location details. Soil fences shall be placed according to the specifications of the Department.
 Temporary seeding shall be placed during road construction. Final stabilization BMPs shall be the last to be placed.

PETROLEUM STORAGE, SPILLS AND LEAKS
 These plans expressly delegate the responsibility of on-site hazardous management to the Contractor. The Contractor shall at all times provide an action plan that includes necessary materials on site for the handling of petroleum products. The action plan shall be submitted to the Project Engineer and a copy of the action plan shall be maintained at the project site. The Contractor shall not store, use, or dispose of petroleum products within stream buffers.
 If the Contractor elects to store petroleum products on site, the Contractor shall provide an ESRPC petroleum products. This plan shall be prepared by a Certified Design Professional as required by the Department. The Contractor shall be responsible for the maintenance of the petroleum products. The Contractor shall be responsible for the maintenance of the petroleum products. The Contractor shall be responsible for the maintenance of the petroleum products.



LAUREN MENDENHALL, P.E.
 GSWPC LEVEL 11 No. 7828
 DATE _____



DEPARTMENT OF TRANSPORTATION
 GWINNETT COUNTY
 OFFICE: ESPC GENERAL NOTES
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 PHASE 1A 08/21/2014 51-001

SOIL SERIES INFORMATION
 A proper specific soil survey and geotechnical investigation was performed for this project and the results of the investigation are provided in the attached documents. The Contractor shall be responsible for the maintenance of the soil series information. The Contractor shall be responsible for the maintenance of the soil series information. The Contractor shall be responsible for the maintenance of the soil series information.

Item No.	Item Name	Item Description
MW2	Keyhole sandy loam, 6 to 10 percent slopes, eroded	
MW2	Keyhole sandy clay loam, 6 to 10 percent slopes, eroded	
MW2	Keyhole hard clay loam, 2 to 6 percent slopes	
MW2	Cherokee silt, clay loam, frequently flooded	
MW2	Layer clay loam, 2 to 6 percent slopes, moderately eroded	
MW2	Marion sandy loam, 6 to 10 percent slopes, eroded	
MW2	Marion sandy clay loam, 6 to 10 percent slopes, eroded	
MW2	1 occur fine sandy loam, 0 to 4 percent slopes, frequently flooded	
MW2	Water	

POST-CONSTRUCTION BMPs
 All permanent, post-construction BMPs are shown in the construction plans and in the ESRPC. The Contractor shall be responsible for the maintenance of the post-construction BMPs. The Contractor shall be responsible for the maintenance of the post-construction BMPs. The Contractor shall be responsible for the maintenance of the post-construction BMPs.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS
 Soil fences 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 is called using J-hooks for SPURs. The J-hooks shall be utilized on all silt fences that are installed on a slope. The J-hooks shall be spaced in accordance with GDOT Construction Detail D-26C. The maximum length of a J-hook shall be 10 feet. The J-hooks shall be placed for an silt fence line per linear foot. All silt fences must be placed as access is obtained during clearing, to grading, soil stabilization, and final site preparation. The Contractor shall be responsible for the maintenance of the silt fences. The Contractor shall be responsible for the maintenance of the silt fences. The Contractor shall be responsible for the maintenance of the silt fences.

WASTE DISPOSAL
 Where drivable loads waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streams, ditches, water courses and storm drains. Secondary containment shall be provided for all waste collection areas. The Contractor shall comply with applicable state and local waste storage and disposal regulations. The Contractor shall comply with applicable state and local waste storage and disposal regulations. The Contractor shall comply with applicable state and local waste storage and disposal regulations.

INSPECTIONS
 Inspections shall be performed on the appropriate Department Inspected Items. See Special Provisions for and other contract documents for inspection requirements. These inspections shall continue until the date of final construction. The Contractor shall be responsible for the maintenance of the inspections. The Contractor shall be responsible for the maintenance of the inspections. The Contractor shall be responsible for the maintenance of the inspections.

OTHER CONTROLS
 The Contractor shall follow the ESRPC and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations. The Contractor shall follow the ESRPC and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations. The Contractor shall follow the ESRPC and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

SEWERAGE STORAGE
 The site has a total disturbed area of 0.39 acres. The following table summarizes the required and available sediment storage for every outfall in this table. The Contractor shall provide and maintain the storage volume for the BMPs specified in this table. The Contractor shall provide and maintain the storage volume for the BMPs specified in this table. The Contractor shall provide and maintain the storage volume for the BMPs specified in this table.

Outfall	Total Storage Area (acres)	Required Storage Volume (cu yd)	Available Storage Volume (cu yd)
Outfall 1	0.10	1000	1000
Outfall 2	0.15	1500	1500
Outfall 3	0.14	1400	1400

NON-STORM WATER DISCHARGES
 Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified if the 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 will be identified if the 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 will be identified if the 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.

DEWATERING ACTIVITIES AND USE OF PUMPS
 Any pumped discharge from an excavation or disturbed area shall be routed through an approved discharge system. The Contractor shall ensure the post-BMP erosion control measures are installed to create a stable flow. The Contractor shall be responsible for the maintenance of the dewatering activities. The Contractor shall be responsible for the maintenance of the dewatering activities. The Contractor shall be responsible for the maintenance of the dewatering activities.

STORM DRAIN PIPES
 The Contractor shall be responsible for the maintenance of the storm drain pipes. The Contractor shall be responsible for the maintenance of the storm drain pipes. The Contractor shall be responsible for the maintenance of the storm drain pipes.

STREAM BUFFER ENHANCEMENT
 Stream buffers are not impacted by this project. Stream buffers are not impacted by this project. Stream buffers are not impacted by this project.

RECORD OF DATES - CONSTRUCTION ACTIVITIES
 MORE TO REFINEMENTS. COMPLETE THE FOLLOWING TABLE TO INCLUDE THE DATES WHICH MORE TO REFINEMENTS. COMPLETE THE FOLLOWING TABLE TO INCLUDE THE DATES WHICH MORE TO REFINEMENTS. COMPLETE THE FOLLOWING TABLE TO INCLUDE THE DATES WHICH MORE TO REFINEMENTS.

DATE	DESCRIPTION OF CONSTRUCTION ACTIVITY

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BOP A UNPAVED STREAM SEQUENCE
 All outfalls are either located further than linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for criteria violation. No F (Impaired Fish Community) and/or B (Impaired Macro Invertebrate Community) with Category 4-6 or 5, and the potential cause is either NP (nonpoint source) or UP (urban runoff).

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs
 No alternative or additional BMPs will be used on this project. No alternative or additional BMPs will be used on this project. No alternative or additional BMPs will be used on this project.

STORM DRAIN PIPES
 The Contractor shall be responsible for the maintenance of the storm drain pipes. The Contractor shall be responsible for the maintenance of the storm drain pipes. The Contractor shall be responsible for the maintenance of the storm drain pipes.

REVISION DATES
 DEPARTMENT OF TRANSPORTATION
 GWINNETT COUNTY
 OFFICE: ESPC GENERAL NOTES
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 PHASE 1A 08/21/2014 51-001

REVISION DATES
 DEPARTMENT OF TRANSPORTATION
 GWINNETT COUNTY
 OFFICE: ESPC GENERAL NOTES
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 PHASE 1A 08/21/2014 51-001

MONITORING GENERAL NOTES

The field data from the IRT camera, permeameter sampling may be utilized on this project. The characteristics of the individual water stages along the project corridor have been carefully monitored and recorded on the basis of time, date, flow rate, water temperature, water depth, and water quality. The data is to be used to determine the flow characteristics of the project corridor. The data is to be used to determine the flow characteristics of the project corridor. The data is to be used to determine the flow characteristics of the project corridor.

SAMPLING INFORMATION

Primary Monitored Feature	Location (Station and Street)	Name of Receiving Water	Applicable Storage Monitoring	Sampling Type (Initial or Recurring)	Frequency (mths)	Flow Rate (MGD)	Volume (MGD)	Water Type (Surface or Ground)	Approximate NIT Value (mg/L)	Approximate NIT Increase (mg/L)	Location Description	Construction Activity	Total Project (acres)	Average Offset (feet)	Soil Erosion Index	Absolute Offset Erosion Index
1	173+00 (S.201)	Broadway	40'	Initial	6-12	N/A	N/A	Surface	1.2 (MGD)	1.2 (MGD)	Construction Activity	Construction Activity	1.2	N/A	N/A	

READY MIX CHUTE WASH-DOWN

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 07 - Lead Repavement and Responsibility, to the Public, only the contractor shall be responsible for the delivery of Portland cement concrete. The contractor shall ensure a full load of State water barrels of least 25 feet from any storm drain to store of wash-down water without overflowing immediately after the wash-down. The contractor shall ensure that the wash-down water has soaked into the ground. The soil shall be tested for nitrate and the contractor shall ensure that the wash-down water has soaked into the ground. The contractor shall ensure that the wash-down water has soaked into the ground. The contractor shall ensure that the wash-down water has soaked into the ground.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Wash-down plans shall include the following:
 (1) a location away from any storm drain, stream, or river;
 (2) sufficient volume for wash-down water; and
 (3) permission to use the area for wash-down.

On sites where permission or access to excavate a wash-down pit is unavailable, the contractor may have to wash-down into a suitable 55-gallon drum or other suitable container and then transport the container to a program's "A" Catcher for Ready Mix Chute Types Wash-down.

Excavation control measures shall be installed prior to or concurrent with land disturbance activities. The contractor shall ensure that the wash-down water is contained within the site. The contractor shall ensure that the wash-down water is contained within the site. The contractor shall ensure that the wash-down water is contained within the site. The contractor shall ensure that the wash-down water is contained within the site.

ACTIVITY SCHEDULE

ESPC ACTIVITY SCHEDULE	PHASE I	PHASE II	PHASE III
Site Preparation	X		
Excavation & Removal	X		
Install Intermediate ESPC	X		
Excavation & Backfill	X		
Final Grading & Mowdown	X		
Final Stabilization	X		
Final Stabilization & Clean out Storm Sewers	X		
Remove Temporary Sediment Control Measures			X

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIODIVERSITY STREAM SEQUENCE

All outfalls are either located further than linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for chronic violation, "B" (Impaired Fish Community) and/or "B" (Impaired Macro Invertebrate Community), within Category 4a, 4b or 5 and the potential cause is either "N" (nonpoint source) or "U" (urban runoff).



MAUREA KERRIGAN, P.E.
 GSACC LEVEL 11 No. 7828



DATE: _____



REVISION DATES

GWINNETT COUNTY
 DEPARTMENT OF TRANSPORTATION
ESPC GENERAL NOTES
 PLEASANT HILL ROAD AND
 WATERSHED DRIVE IMPROVEMENT
 17-0516 Phase 1A
 02/27/2014
 SHEET NO. 51-002

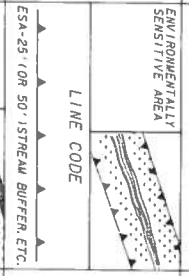
CODE STD. : SPC'S SECTION	DETAIL	DESCRIPTION
---------------------------------	--------	-------------



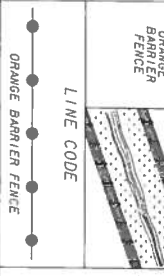
A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR PLANTED VEGETATION, OR BOTH, LOCATED BETWEEN THE STREAM AND THE STREAM CHANNEL. STREAM CHANNELS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. THE BOUNDARIES OF THESE AREAS ARE TO BE DELINEATED BY ORANGE BARRIER FENCE.



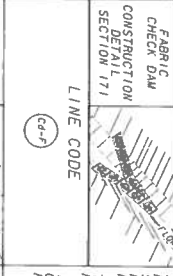
ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE OF SIGNIFICANT VALUE TO THE STATE AND FEDERAL GOVERNMENTS. THESE AREAS ARE TO BE PROTECTED AND PRESERVED. THE WORK MUST BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.



ORANGE BARRIER FENCE DELINEATES ESA AREAS WHERE THE OPERATOR SHALL NOT CLEAR, GRUB, PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.



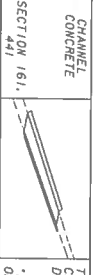
A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE MESH, OR OTHER MATERIALS PLACED IN DITCHES IN A STREAM OR TIDAL AREA BELOW HIGH TIDE. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS.



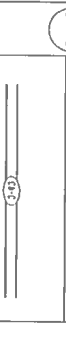
STONE CHECK DAMS ARE USED IN ROADWAY DITCHES. GEOTEXTILE UNDERLAYER SHALL BE USED WHEN PLACING STONE CHECK DAMS. SANDBAG CHECK DAMS MUST BE USED IN CONCRETE LINED CHANNELS.

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

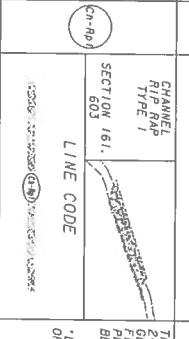
CODE STD. : SPC'S SECTION	DETAIL	DESCRIPTION
---------------------------------	--------	-------------



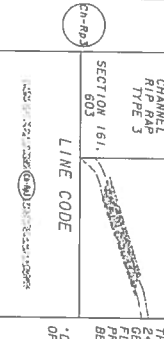
THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GOOD DITCH PROTECTION PROGRAM.



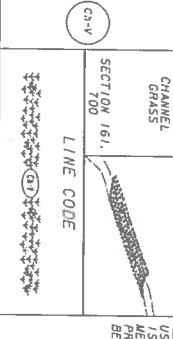
THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLAYER. THE RIP RAP SHALL PROTECT THE DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS SFI-C, Rdc OR Sg.



THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLAYER. THE RIP RAP SHALL PROTECT THE DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS SFI-C, Rdc OR Sg.



USED TO IMPROVE OR STABILIZE A NEW OR EXISTING CHANNEL. IT IS CONSTRUCTED IN STREAMS IN ACCORDANCE WITH THE GOOD DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED THROUGHOUT THE CHANNEL. TYPICALLY NOT SHOWN IN PLANS.



USED TO IMPROVE OR STABILIZE A NEW OR EXISTING CHANNEL. IT IS CONSTRUCTED IN STREAMS IN ACCORDANCE WITH THE GOOD DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED THROUGHOUT THE CHANNEL. TYPICALLY NOT SHOWN IN PLANS.

24-43	10-2-02	NO SCALE	NO NUMBER	EC-11	52-001
10-2-02	11-07	NO SCALE	NO NUMBER	EC-11	52-001
11-07	11-07	NO SCALE	NO NUMBER	EC-11	52-001
11-07	11-07	NO SCALE	NO NUMBER	EC-11	52-001
11-07	11-07	NO SCALE	NO NUMBER	EC-11	52-001

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA

EROSION CONTROL LEGEND
 AND UNIFORM CODE SHEET
 SHEET 1 OF 6
 JANUARY 2007

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
C0	CONSTRUCTION EXIT		A STONE STABILIZED EXIT LOCATED AT ANY POINT WHERE TRAFFIC USED AT ACCESS TO RISES, STOPS, NEW LOCATION, PROTECT ROAD, BEST PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MIN. 20" WIDE AND 30" LONG, AND 6" THICK. MEASURES A GEOTEXTILE UNDERLAYER. INCLUDED IN THE PRICE FOR THE CONSTRUCTION EXIT.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
D1	CONSTRUCTION EXIT		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. FOR TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 25 FEET. THE USUAL PIPE SIZE IS 10 INCH CORRUGATED. THE OUTLET AREA SHOULD BE STABILIZED WITH SILENT FENCE SLIP HOLES. HAYBALES, MEANS FOR VELOCITY DISSIPATION AND EROSION CONTROL. THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dc-A	CONSTRUCTION EXIT		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED PERMANENT DRAINAGE STRUCTURE BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LOADS FROM ENTERING THE CHANNEL. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE. CHANNEL GEOMETRY, CHANNEL SLOPE FREQUENCY WITH A FLOW RATE BETWEEN 0.25 FPM CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dn1	CONSTRUCTION EXIT		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 YEAR STORM AND MUST HAVE SOME FORM OF PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dc-B	CONSTRUCTION EXIT		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED PERMANENT DRAINAGE STRUCTURE BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LOADS FROM ENTERING THE CHANNEL. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE. CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS FIT IS INCLUDED IN THE COST OF THE STRUCTURE.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dn2-B	CONSTRUCTION EXIT		A CONCRETE FLUME TYPE 'B' IS USED TO DIRECT SURFACE RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE CONCENTRATED SAFETY. CONVEY WATER DOWN THE GUT SLOPE. FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dc-C	CONSTRUCTION EXIT		A DIVERSION CHANNEL IS A TEMPORARY CHANNEL CONSTRUCTED PERMANENT DRAINAGE STRUCTURE BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIPRAP AND GEOTEXTILE TO PREVENT SEDIMENT LOADS FROM ENTERING THE CHANNEL. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE. CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. FLOW RATE BETWEEN 0.1-1.0 FPM CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dn2-A	CONSTRUCTION EXIT		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS ON A GRADE DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE. REGULATING OUTLET PROTECTION, TEMPORARY AND PERMANENT. (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
D1	CONSTRUCTION EXIT		THIS IS A TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF. STABLE OUTLET DOWN DRAINS ON OR NEAR DRAINAGE AREAS AND ON ALL GRADING PROJECTS.
	CONSTRUCTION DETAIL		

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
Dn2-A	CONSTRUCTION EXIT		PERMANENT DOWN DRAIN CONCRETE STRUCTURE WITH FLEXIBLE PIPE. (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	CONSTRUCTION DETAIL		

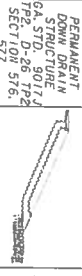

CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
D1	CONSTRUCTION EXIT		THIS IS A TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF. STABLE OUTLET DOWN DRAINS ON OR NEAR DRAINAGE AREAS AND ON ALL GRADING PROJECTS.
	CONSTRUCTION DETAIL		



CODE	PRACTICE STD. SPEC'S SECTION	DETAIL	DESCRIPTION
D1	CONSTRUCTION EXIT		THIS IS A TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF. STABLE OUTLET DOWN DRAINS ON OR NEAR DRAINAGE AREAS AND ON ALL GRADING PROJECTS.
	CONSTRUCTION DETAIL		

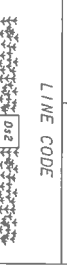
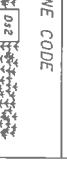
NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND INSTALLATION OF EROSION CONTROL MEASURES CONSULT THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

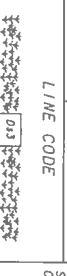
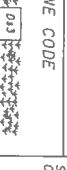
DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 EROSION CONTROL LEGEND
 AND UNIFORM CODE SHEET
 SHEET 2 OF 6
 JANUARY 2007
 NUMBER 52-002


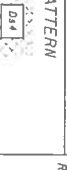
CODE STD. : SPC. : SECTION	DETAIL	DESCRIPTION
----------------------------------	--------	-------------

Dn2-2	PERMANENT DOWN DRAIN IN A SAG. G.P. STD. 9017 TYPE D-26 TYP SECTION 516. S17.		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB IN A SAG. DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT REQUIREMENT. ROOTS SHOULD BE PREVENTED FROM GROWING GUTTER GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	MULCH SECTION 163		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 GRADING OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.

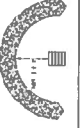
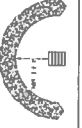
Ds1	TEMPORARY GRASSING SECTION 163		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS.
	LINE CODE		



Ds2	PERMANENT GRASSING SECTION 163		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS.
	LINE CODE		



Ds3	SECTION 700 LINE CODE		PERMANENT VEGETATIVE REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. HOWEVER, THEY MAY BE SHOWN ON THE PLANS FOR HIGHLY SENSITIVE AREAS WHERE THESE VEGETATIVE PRACTICES ARE CRITICAL.
	LINE CODE		



Ds4	SODDING SECTION 700 PATTERN		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS TO IMPROVE AESTHETICS OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS.
	LINE CODE		



CODE STD. : SPC. : SECTION	DETAIL	DESCRIPTION
----------------------------------	--------	-------------

Ff	EROSION CONTROL MATS CONSTRUCTION DETAIL SECTION 716		ALL CUT OR FILL SLOPES OF 2:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS.
	LINE CODE		

Mb	PERMANENT SOIL REINFORCING MAT CONSTRUCTION DETAIL SECTION 710		THIS THREE QUINCEY SOIL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SLOPE OF THE DITCH. THIS MAT ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES. THIS IS ALSO CALLED "M3" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.
	LINE CODE		

Ps	ROCK FILTER DAW CONSTRUCTION SECTION 603		ROCK FILTER DAMS ARE CONSTRUCTED OF THE 3 STONE RIP RAP AND ARE USED TO PROTECT SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS TO BE USED IN SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS TO THE RIP RAP SHOULD BE PLACED ON A GEOTEXTILE UNDERLAYER.
	LINE CODE		

Rd	ROCK FILTER DAW CONSTRUCTION SECTION 603		ROCK FILTER DAMS ARE CONSTRUCTED OF THE 3 STONE RIP RAP AND ARE USED TO PROTECT SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS TO BE USED IN SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS TO THE RIP RAP SHOULD BE PLACED ON A GEOTEXTILE UNDERLAYER.
	LINE CODE		

Ds4	SODDING SECTION 700 PATTERN		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS TO IMPROVE AESTHETICS OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS.
	LINE CODE		

NOTE: 1. NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN OF EROSION CONTROL ITEMS, 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 3 OF 6


NO SCALE
 NUMBER EC-L3
 JANUARY 2017
 52-003


TC	LOATED (DRAWING NO., ADEEN #2443 D33 & D34 CODES, RELOC. DRAWING NO. 52 004, REV. DATED RA 09/18/21-0 CODES FROM COLLAR SHEET 1 OF 6.	W 2-2
IC	REVISED TITLE BLOCK	1-13-07
CD	REVISED	1-19-07
BY	REVISED	


CODE STD : SPC 'S SECTION	DETAIL	DESCRIPTION
---------------------------------	--------	-------------

RD	SECTION 803 RIPRAP PATTERN 	RIP RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND END BOWLS. RIP RAP TYPE 1 SHOULD BE THICKNESS OR AS INDICATED ON THE PLANS.
	SECTION 163 RETROFITTING CONSTRUCTION DETAIL SECTION 163 LINE CODE 	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 DISTURBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'

RI-B	RETROFITTING CONSTRUCTION DETAIL SECTION 163 LINE CODE 	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 DISTURBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'
------	---	---


RI-B	SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163 LINE CODE 	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 STATE WATER.
------	---	---


RI-B	RETENTION BARRIER FLOWING SECTION 170 LINE CODE 	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 MADE OF USED TIRE WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER AND SMALL DRAINAGE AREAS ONLY. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.
------	--	---


SP-F	RETENTION BARRIER FLOWING SECTION 170 LINE CODE 	THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED BMP 5. STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP 5.
------	--	---


CODE STD : SPC 'S SECTION	DETAIL	DESCRIPTION
---------------------------------	--------	-------------

SDI-S	RETENTION BARRIER STAKED SECTION 170 LINE CODE 	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. SMALL OR UNDATED AREAS ARE CONSIDERED TO BE PROTECTED BY THE ENGINEER. A STAKED BARRIER MAY BE USED TO PROTECT A SMALL STREAM WHILE IT IS BEING REALIGNED OR WIDENED IN THE BOTTOM OF THE STREAM. THE BARRIER SHOULD EXTEND TO THE BOTTOM OF THE STREAM AND SHOULD BE STAKED AT 10 FEET INTERVALS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED BMP 5. STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP 5.
-------	---	--

SDI-A	SILT FENCE TYPE A CONSTRUCTION DETAIL SECTION 171 LINE CODE 	TYPE B MAY BE USED IN LIEU OF BALED STRAW AND AT THE TOE OF FILLS LESS THAN 10 FEET HIGH.
-------	--	---

SDI-B	SILT FENCE TYPE B CONSTRUCTION DETAIL SECTION 171 LINE CODE 	A WOVEN SYNTHETIC FIBER BARRIC PLACED IN FRONT OF A WIRE FENCE IT CAN BE USED ALONG THE FACE OF FILLS TO TRAP 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.
-------	---	--

SDI-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171 LINE CODE 	A WOVEN SYNTHETIC FIBER BARRIC PLACED IN FRONT OF A WIRE FENCE IT CAN BE USED ALONG THE FACE OF FILLS TO TRAP 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.
-------	---	--

SDI-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171 LINE CODE 	A WOVEN SYNTHETIC FIBER BARRIC PLACED IN FRONT OF A WIRE FENCE IT CAN BE USED ALONG THE FACE OF FILLS TO TRAP 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: 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 PLACEMENT OF EROSION AND SEDIMENT CONTROL IN GEORGIA, SEE THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

EROSION CONTROL LEGEND
AND UNIFORM CODE SHEET
SHEET 4 OF 6

NO SCALE
NUMBER EC-14
JANUARY 2003
52-004

DATE	1-24-03
DESIGNED BY	DAVID ENKING, INC. & ASSOCIATES
CHECKED BY	DAVID ENKING, INC. & ASSOCIATES
DATE	10-2-02
DESIGNED BY	DAVID ENKING, INC. & ASSOCIATES
CHECKED BY	DAVID ENKING, INC. & ASSOCIATES
DATE	10-15-02
DESIGNED BY	DAVID ENKING, INC. & ASSOCIATES
CHECKED BY	DAVID ENKING, INC. & ASSOCIATES
DATE	10-19-02
DESIGNED BY	DAVID ENKING, INC. & ASSOCIATES
CHECKED BY	DAVID ENKING, INC. & ASSOCIATES

STATE PROJECT NUMBER SHEET NO. DATE
 GA. 66092 Phase 1a 24 78

CODE	PRACTICE STD. : SPC-7 S : SECTION	DETAIL	DESCRIPTION
------	-----------------------------------	--------	-------------

(Sd1-B)	BRUSH BARRIER CONSTRUCTION DETAIL SECTION 163		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC., SO AS NOT TO FORM SOLID DAM, CONSTRUCTED AT THE TOE OF THE DITCH. THE BARRIER SHOULD BE USED AT THE TOP OF EMBANKMENTS ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE 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 SEPARATE PAYMENT SHALL BE MADE.
*** ** ** ** *			

(Sd1-H)	SEDIMENT BARRIER CONSTRUCTION DETAIL SECTION 163 LINE CODE		A BARRIER OF BALED STRAW IS USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT IS USED IN DITCHES AS FILL TO STABILIZE EROSION. THE BALE SHOULD BE PLACED PARALLEL TO THE SILT YIELDING AREA UNTIL THE TOP OF THE BALE IS 6 INCHES LOWER THAN THE GROUND ELEVATION OF THE BEGINNING FOR THE NEXT CHANNEL. THEN OVER THE FILL WITH A 60 DEGREE POINT STRAW SHOULD BE PERPENDICULAR TO THE FLOW, USED FOR SLOPES LESS THAN 1:1. USE 100' SPACING. BALED STRAW SHALL BE STRAWED SECURELY TO THE GROUND.
---------	---	--	---

(Sd2-B)	BAFFLE BOX INLET SEDIMENT TRAP CONSTRUCTION DETAIL D42 SECTION 163 LINE CODE		USED FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A 0-1:1.
---------	---	--	--

(Sd2-B)	LINE CODE	(Sd2-B)	LINE CODE
(Sd2-F)	INLET SEDIMENT TRAP CONSTRUCTION DETAILS SECTION 163 LINE CODE		(F) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (G) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR (H) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%.

CODE	PRACTICE STD. : SPC-7 S : SECTION	DETAIL	DESCRIPTION
------	-----------------------------------	--------	-------------

(Sd2-G)	GRAVEL DROP INLET CONSTRUCTION DETAIL SECTION 163 LINE CODE		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 0-3:1 S/F.
---------	--	--	--

(Sd3)	SEDIMENT BASIN CONSTRUCTION DETAIL SECTION 163 LINE CODE		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 FILLING EROSION. 5000 S FEET OR MORE. A 1000' MINIMUM CLEARANCE FROM A 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 SEDIMENT BASINS SHOULD ALSO BE CONSIDERED WHERE HIGH FILLS OVER 30 FEET DRAIN TO ONE LOCATION.
-------	---	--	---

(Sf)	STREAM CROSSING SECTION 161 LINE CODE		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.
------	---	--	--

(Sf)	LINE CODE	(Sf)	LINE CODE
------	-----------	------	-----------

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 5 OF 6
 JANUARY 2007

IC	LOCATED ERASING NO. & RELOCATED ST & S1-414	1-24-13
IC	CODES TO ERASING NO. S2-008.	NO 2 12
	REV. Sd 2, Sd 3 & Sd 3-15-06	
	REV. Sd 4, Sd 2 AND Sd 3-19-07	
BY	REVISED TITLE BLOCK	DATE
	REV. Sd 3	1-24-13
	REV. Sd 2	1-24-13
	REV. Sd 1	1-24-13
	REV. Sd 0	1-24-13
	REV. Sd -1	1-24-13

NO SCALE
 EC-LS
 52-005

CODE	STANDARD SECTION	PRACTICE SECTION	DETAIL	DESCRIPTION
------	------------------	------------------	--------	-------------

S1	STANDARD SECTION 1123 & 2312	(S1)	STORM DRAIN OUTLET PROTECTION	A PIPE OR BOX CULVERT OUTLET HEARWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO PREVENT EROSION AND TO SLOW WATER. AND IS USED ON THE OUTLET OF SMALL BOX CULVERTS AND STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY IS 1/2 FPS AND GREATER.
----	------------------------------	------	-------------------------------	--

S1-Rd	SECTION 603	(S1-Rd)	STORM DRAIN OUTLET PROTECTION PATTERN	THIS ITEM IS ADDED TO 'S1' WHEN ADDITIONAL PROTECTION IS NEEDED. TYPE 1 RIP RAP PLACED ON FILTER FABRIC SHOULD BE USED AT A MINIMUM OF 24" THICKNESS. MAY BE USED ON INLETS FOR FLOWING SEWERS. AND IS USED IN MANHOLETS FOR FLOWING SEDIMENT CONTROL IN GEORGIA. (FOR QUANTITY DETERMINATION.
-------	-------------	---------	---------------------------------------	--

Su	SECTION 205	(Su)	ROUGHENING SEPARATED STUDS CONSTRUCTION DETAIL	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEFTED DOZER ON THE SLOPE IN A VERTICAL DIRECTION, CREATING SEPARATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE THE INFILTRATION OF WATER. IN MOST CASES THIS ITEM IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER THE PROVISIONS OF THE SPECIFICATIONS. THIS ITEM SHALL BE SHOWN WHERE SEPARATED SLOPES ARE TO BE USED.
----	-------------	------	--	---

Trm-1	SECTION 711	(Trm-1)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 PSI. THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.
-------	-------------	---------	-----------------------------------	---

Trm-2	SECTION 711	(Trm-2)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 PSI. (THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
-------	-------------	---------	-----------------------------------	---

Trm-3	SECTION 711	(Trm-3)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 PSI. THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.
-------	-------------	---------	-----------------------------------	---

Trm-4	SECTION 711	(Trm-4)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 PSI. (THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
-------	-------------	---------	-----------------------------------	---

Trm-5	SECTION 711	(Trm-5)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 PSI. THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.
-------	-------------	---------	-----------------------------------	---

Trm-6	SECTION 711	(Trm-6)	REINFORCEMENT CONSTRUCTION DETAIL	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 PSI. THIS IS ALSO CALLED "M-2" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.
-------	-------------	---------	-----------------------------------	---

NOTES:
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."

DATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
04/11/2007	87-0188 Phase 1A	55	42

DATE	1-24-03	DESIGNED BY	Trm-1, Trm-2, Trm-3, Trm-4, Trm-5, and Trm-6
DATE	03/27/03	CHECKED BY	Trm-1, Trm-2, Trm-3, Trm-4, Trm-5, and Trm-6
DATE		REVISION	FIELD LOCATED ST. & S1-RD CODES TO ECL & UC SHEET 5 OF 6.
DATE		REVISION	NO SCALE
DATE		REVISION	NO SCALE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

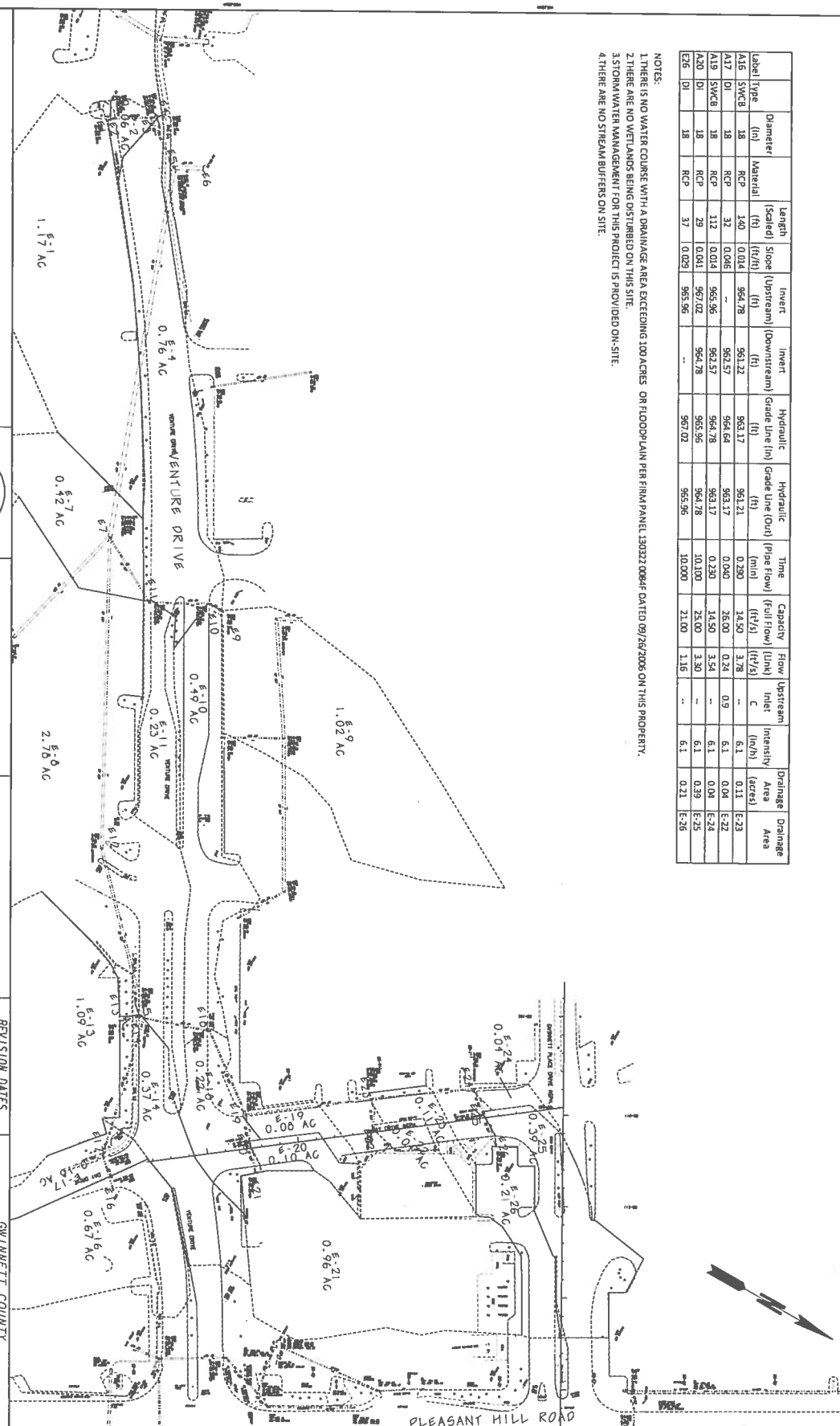
EROSION CONTROL LEGEND
AND UNIFORM CODE SHEET

SHEET 6 OF 6

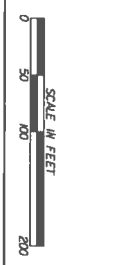
NOV. 2007
52-006

Label	Type	Diameter (in)	Material	Length (ft)	Slope (ft/ft)	Invert (ft)	Upstream Invert (ft)	Downstream Invert (ft)	Hydraulic Grade Line (ft)	Hydraulic Grade Line (Out) (ft)	Time (min)	Capacity (ft ³ /s)	Flow (ft ³ /s)	Upstream Invert (ft)	Invert (ft)	Drainage Area (acres)	Drainage Area
A16	SWCB	18	RCP	140	0.034	964.78	961.22	953.17	961.21	961.21	0.280	14.50	3.78	6.1	6.1	0.04	0.23
A17	DI	18	RCP	32	0.046	965.96	962.57	964.64	963.17	963.17	0.040	26.00	0.28	0.9	6.1	0.04	0.22
A19	SWCB	18	RCP	112	0.014	965.96	962.57	964.78	963.17	963.17	0.230	14.50	3.54	6.1	6.1	0.04	0.24
A20	DI	18	RCP	29	0.041	967.02	964.78	965.96	964.78	964.78	10.100	25.00	3.30	6.1	6.1	0.39	0.25
E26	DI	18	RCP	37	0.029	965.96	965.96	967.02	965.96	965.96	10.000	21.00	1.16	6.1	6.1	0.21	0.26

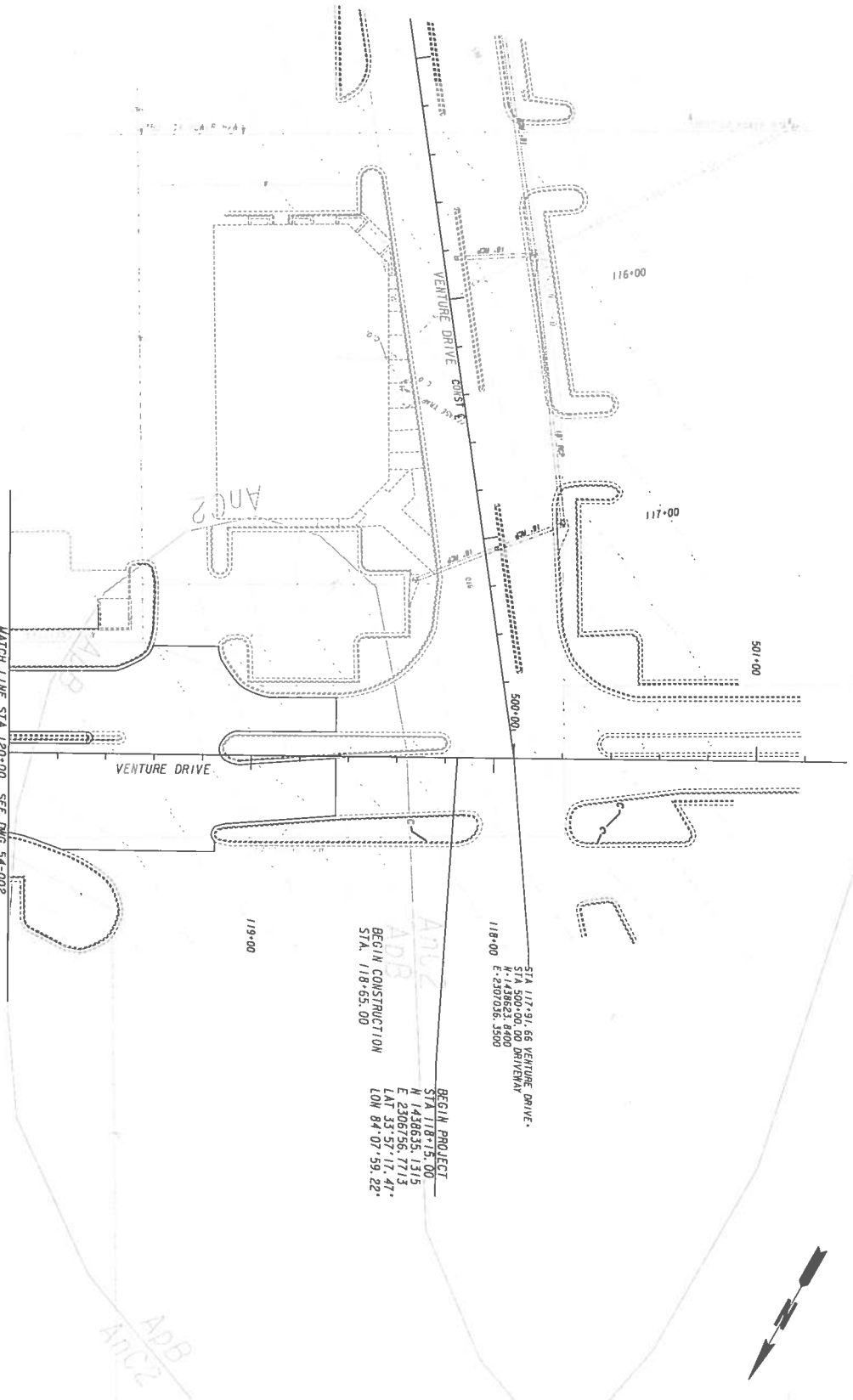
NOTES:
 1. THERE IS NO WATER COURSE WITH A DRAINAGE AREA EXCEEDING 100 ACRES OR FLOODPLAIN PER FRM PANEL 130322.0064F DATED 09/26/2006 ON THIS PROPERTY.
 2. THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE.
 3. STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE.
 4. THERE ARE NO STREAM BUFFERS ON SITE.



JAUREGUI MERIBAU, P.E.
 GS/NCC LEVEL 11 No. 7329
 DATE: _____



REVISION DATES	OFFICE:
	GWYNNETT COUNTY
	DEPARTMENT OF TRANSPORTATION
	EROSION CONTROL DRAINAGE AREA MAP
	PLEASANT HILL ROAD AND VENTURE DRIVE IMPROVEMENTS
	11-0516 Phase 1A 08/21/2014
	53-001

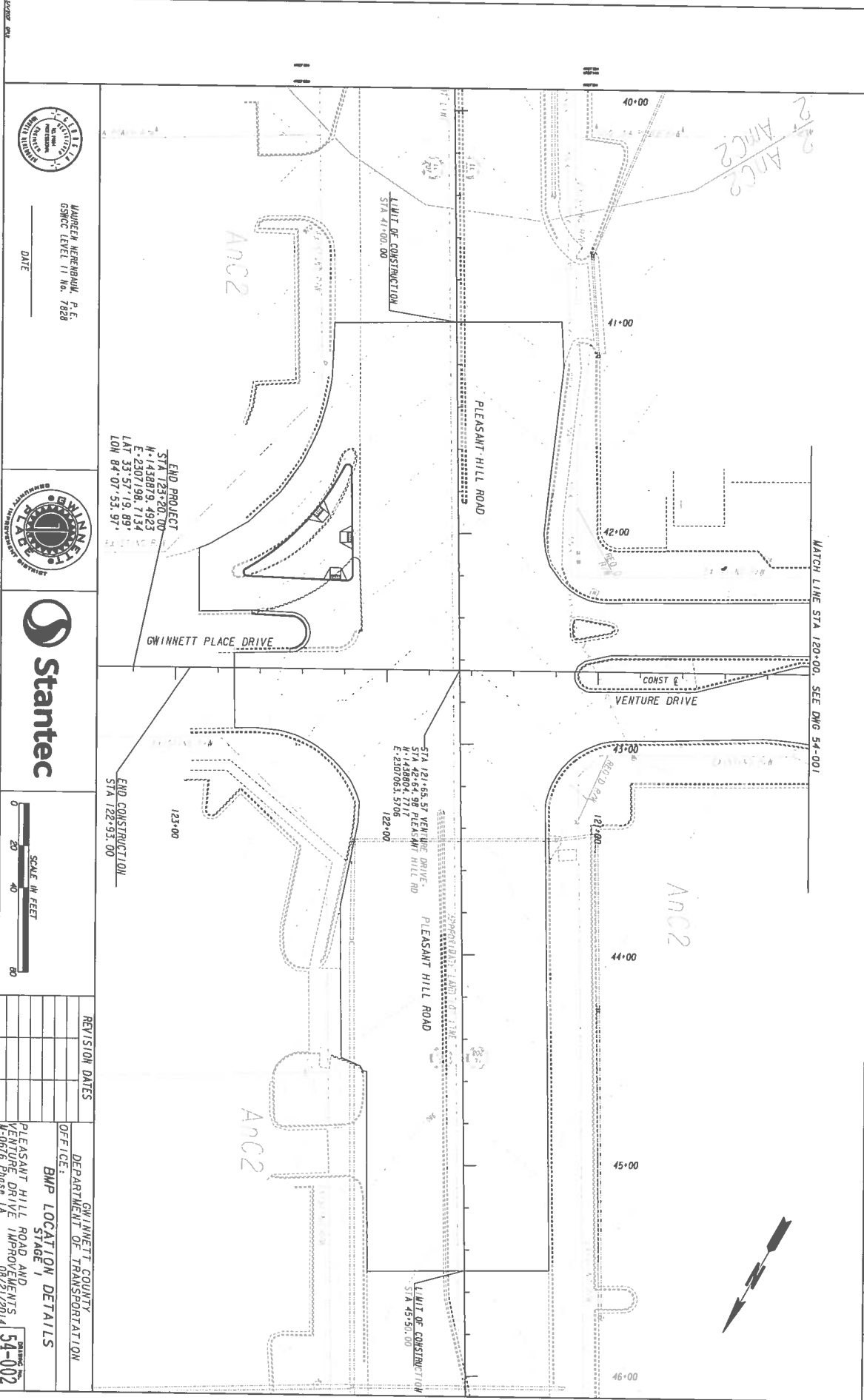


JAUREEN WERBRUM, P.E.
 GSACC LEVEL II No. 7928
 DATE _____



REVISION DATES	DESCRIPTION

GWINNETT COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
BMP LOCATION DETAILS
 STAGE 1
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 W-0016 Phase 1A
 08/21/2014
 DRAWING NO.
54-001



JAMES KERBAWA, P.E.
 GSNC LEVEL 11 No. 7628
 DATE _____



REVISION DATES	DESCRIPTION

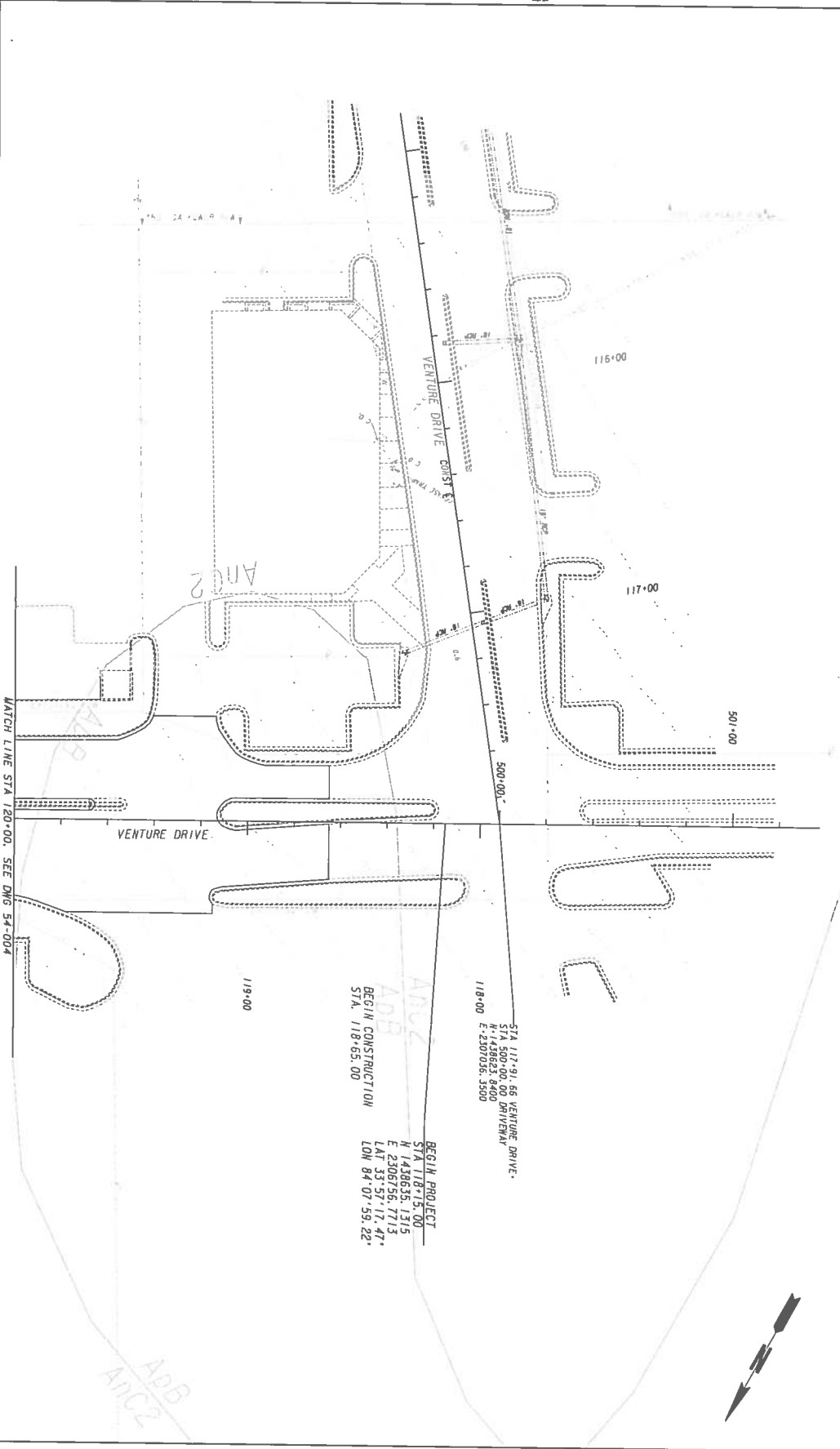
OFFICE: BWP LOCATION DETAILS
 DEPARTMENT OF TRANSPORTATION
 PLEASANT HILL ROAD AND VENTURE DRIVE IMPROVEMENTS
 08/21/2014
 54-002

END PROJECT
 STA 123+20.00
 N=1438879.4923
 E=2307198.7134
 LAT 33°57'19.89"
 LON 84°07'53.97"

STA 121+65.57 VENTURE DRIVE
 STA 42+64.98 PLEASANT HILL RD
 E=2507051.5706
 122+00

LIMIT OF CONSTRUCTION
 STA 45+51.00

MATCH LINE STA 120+00. SEE DWG 54-001



JAUREN MERRILL, P.E.
 GSACC LEVEL II No. 7228

DATE: _____

MATCH LINE STA 120+00. SEE DWG 54-004

SCALE IN FEET
 0 20 40 80

REVISION DATES	DESCRIPTION

OFFICE: **BMP LOCATION DETAILS**

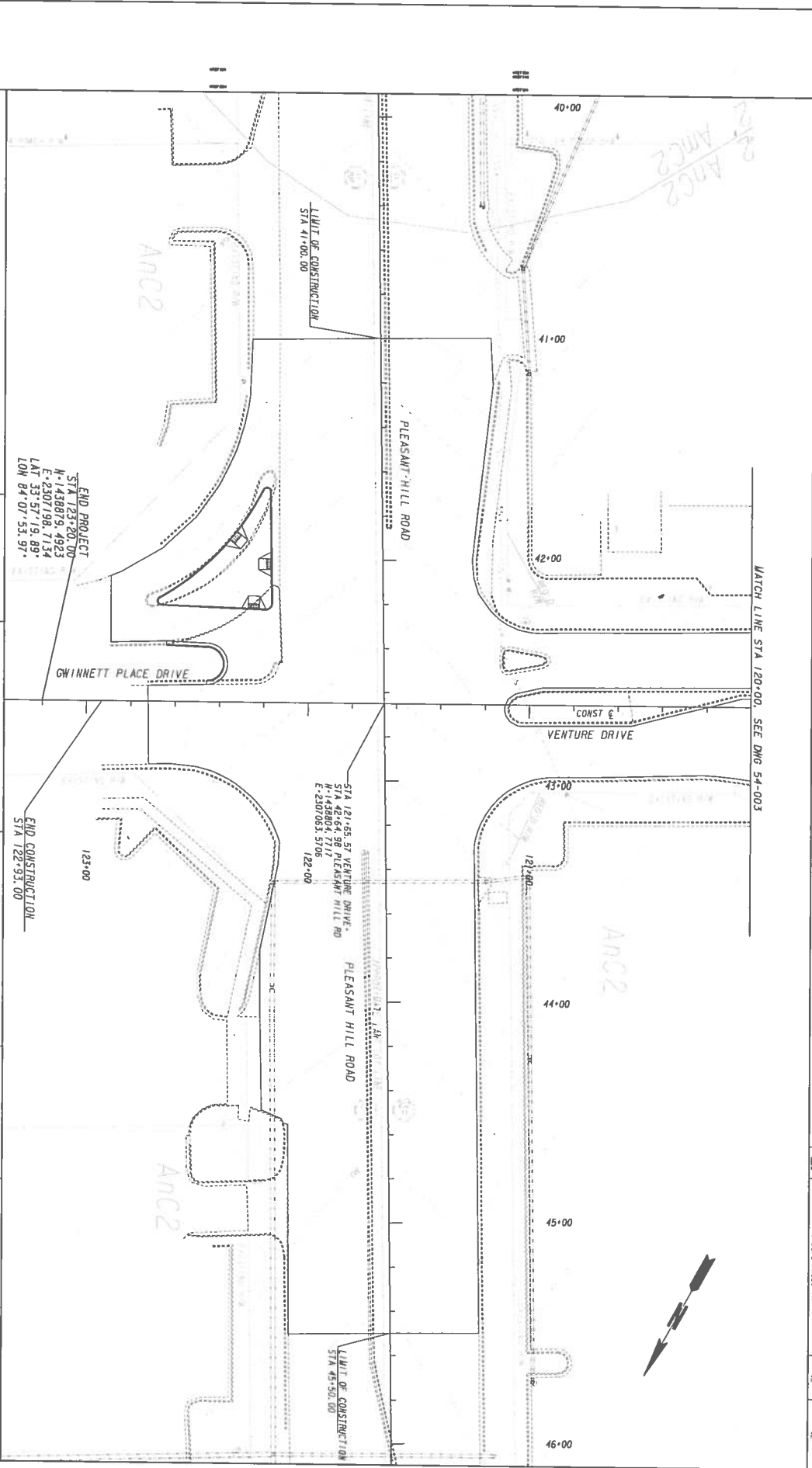
DEPARTMENT OF TRANSPORTATION

PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 11/06/14

GWINNETT COUNTY

DATE: 11/15/2014

DRAWING NO. **54-003**



JAMES J. VENTURE, P.E.
 GSACC LEVEL II No. 7828
 DATE _____

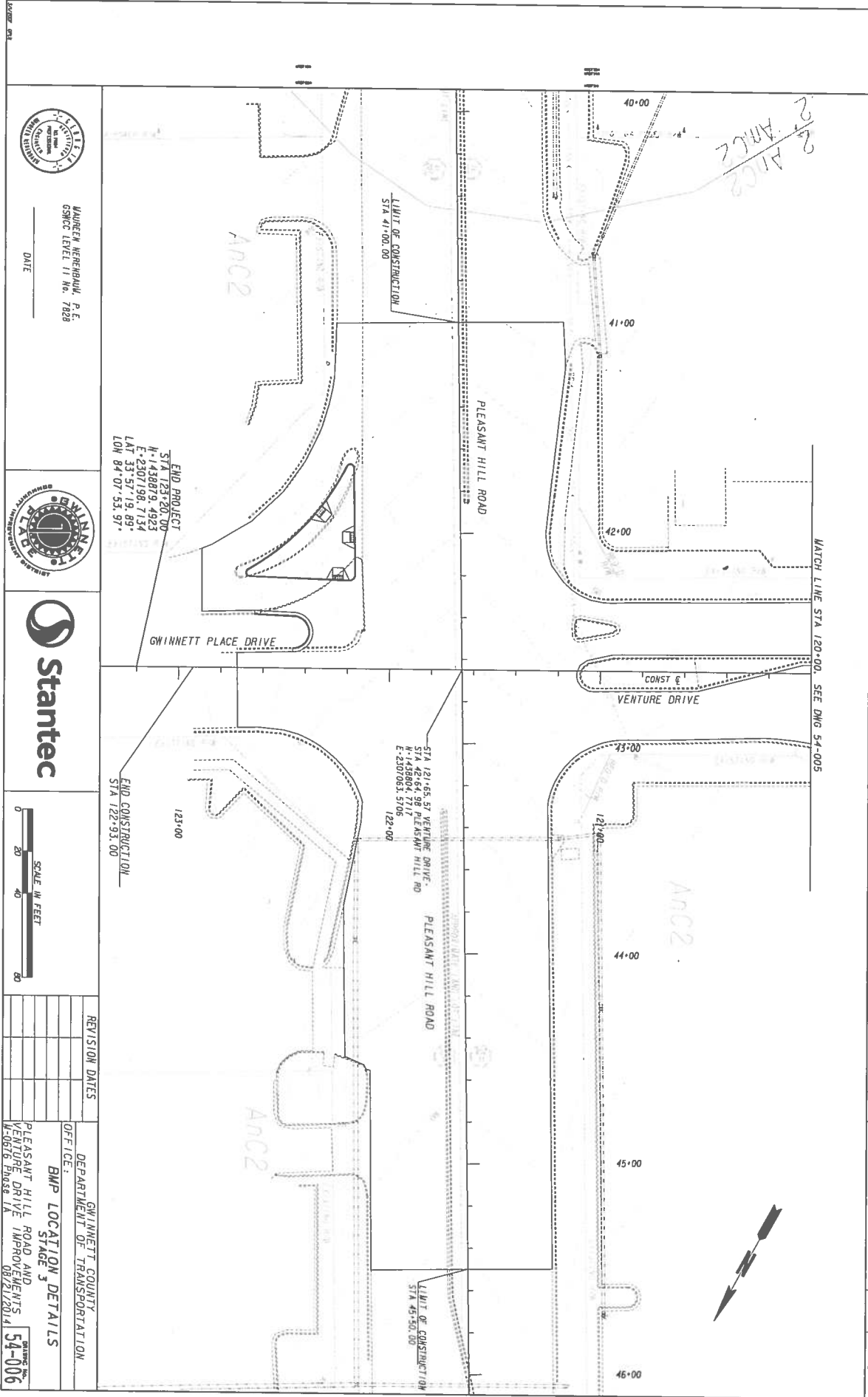


Stantec



REVISION DATES	DESCRIPTION

DEPARTMENT OF TRANSPORTATION
 GWINNETT COUNTY
 OFFICE:
BMP LOCATION DETAILS
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 08/21/2014
 GWINNETT, GA
54-004



NAUREEN MERGANI, P.E.
 GS/NCC LEVEL II No. 7928

DATE _____



REVISION DATES	DESCRIPTION

OFFICE: GWINNETT COUNTY DEPARTMENT OF TRANSPORTATION

BMP LOCATION DETAILS
 STAGE 3
 PLEASANT HILL ROAD AND
 VENTURE DRIVE IMPROVEMENTS
 J-0615 Phase 1A 08/21/2014

DATE: 08/21/2014

54-006