

LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1984 (NAD1983)/94 EAST Zone, and the North American Vertical Datum (NAVD) of 1988.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SR 56 FROM RICHMOND COUNTY/BURKE COUNTY LINE (MCBEAN CREEK) TO SR 23 TIA PROJECT

CENTRAL SAVANNAH DISTRICT RC RC07-000005



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GARI00002."

"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 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. GARI00002."

"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. GARI00002, 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 plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

Signature
Paul D. Cook, P.E.,
GSWCC LEVEL II Certification #000022170



BEGIN PROJECT PI:0012574
STA 106+50 SR 56



2862 Buford Highway, Suite 200
Duluth, GA 30096-3467
Phone: (770) 925-0357
Fax: (770) 925-0565

PRIMARY PERMITTEE

GEORGIA DEPARTMENT OF TRANSPORTATION
One Georgia Center
600 West Peachtree Street North West
Atlanta, Georgia 30308
Phone: (404) 631-1990
Email: espcc@dot.ga.gov

24 HOUR CONTACT:

Name _____

Street Address _____

City, State Zip _____

Phone Number _____

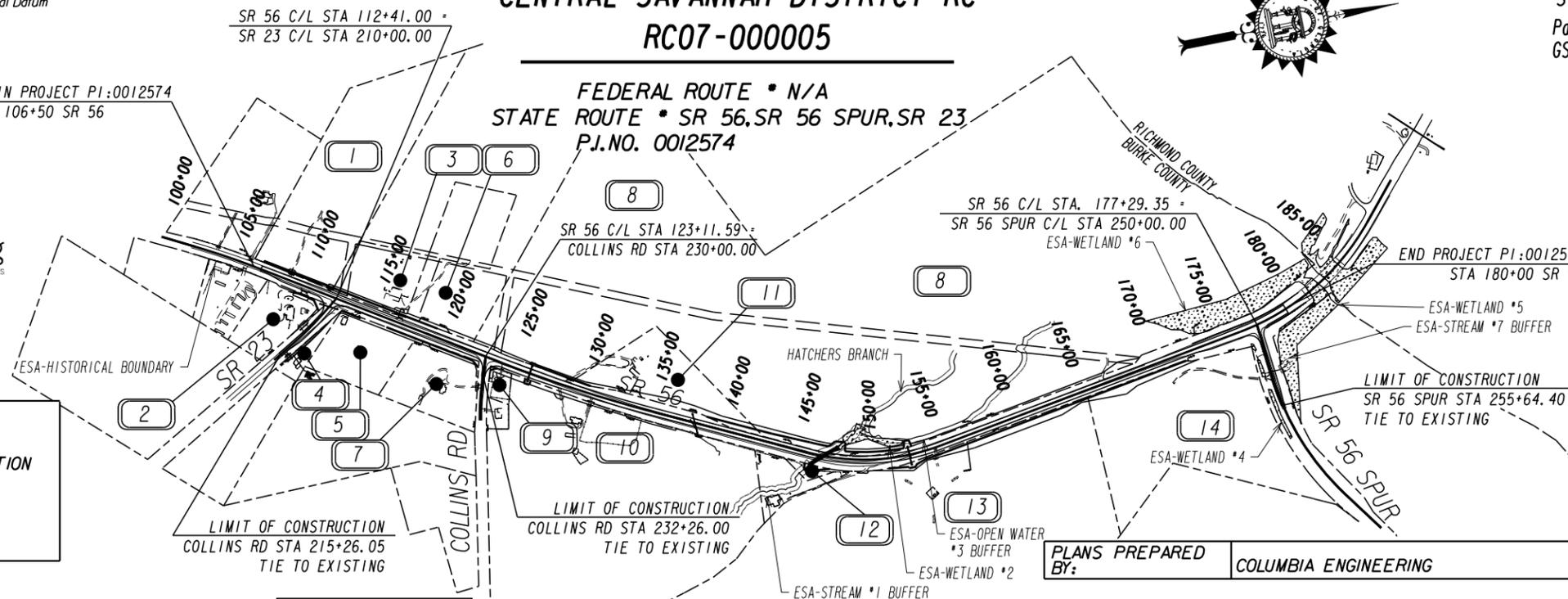
Email Address _____

Contractor shall complete the information in this box.

MIDPOINT COORDINATE
STATION 143+25.00
N: 1175518.7197
E: 723629.3356



LENGTH OF PROJECT	COUNTY No.033 BURKE Project No. RC07-000005 MILES
NET LENGTH OF ROADWAY	1.392
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.392
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.392



PLANS PREPARED BY: COLUMBIA ENGINEERING

RECOMMENDED FOR APPROVAL BY: STATE TIA ADMINISTRATOR

Date: -2016 MARGARET B. PIRKLE, P.E. - CHIEF ENGINEER

0000072890 GSWCC LEVEL II Certification Number

BEGIN-POINT COORDINATES Longitude: 81.951939W Latitude: 33.222905N
MID-POINT COORDINATES Longitude: 81.946035W Latitude: 33.231531N
END-POINT COORDINATES Longitude: 81.946743W Latitude: 33.241248N

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.*
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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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 land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the stage construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163.700, or 711. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents, 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 after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

INITIAL PHASE

- 1. INSTALL ORANGE BARRIER FENCE TO PROTECT ALL ESAs.
2. INSTALL STABILIZED CONSTRUCTION EXIT, IF REQUIRED.
3. INSTALL SILT FENCES, DITCH CHECKS, AND SEDIMENT BASINS ON THE SITE. (CLEAR ONLY THOSE AREAS NECESSARY FOR INSTALLATION).
4. PREPARE TEMPORARY PARKING AND STORAGE AREA AND INSTALL TEMPORARY SECURITY FENCE, IF REQUIRED.
5. INSTALL INLET PROTECTION MEASURES ON THE EXISTING DRAINAGE STRUCTURES AS INDICATED.
6. BEGIN DEMOLITION OF EXISTING FEATURES AS NOTED IN PLANS.

INTERMEDIATE PHASE

- 1. BEGIN CLEARING AND GRUBBING.
2. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
3. INSTALL ALL PROPOSED STORM SEWER STRUCTURES. REMOVE EXISTING STORM SEWER SYSTEM AS INDICATED AS NEW STORM SEWER CONSTRUCTION IS COMPLETED.
4. INSTALL OUTLET PROTECTION AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.
5. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
6. INSTALL DITCH PROTECTION PER EROSION CONTROL PLANS AS DITCHES ARE INSTALLED.
7. CONSTRUCT UNDERGROUND UTILITIES.

FINAL PHASE

- 1. PERMANENTLY STABILIZE ALL DISTURBED AREAS.
2. REMOVE TEMPORARY BMPs.
3. INSPECTION AND MAINTENANCE REPORT FORMS ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THREE YEARS FOLLOWING FINAL STABILIZATION OF THE SITE.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED.

PETROLEUM STORAGE, SPILLS, AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GARIO0002 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 hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, and channel/ditch stabilization with turf reinforcing mat. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal 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 is called using 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 GDOT Construction Detail D-24C. The maximum J hooks spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SITE STABILIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, and 711, and other contract documents for stabilization and maintenance 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. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 Permit.

INSPECTIONS

The primary permittee (GDOT) must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GARIO0002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or 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 deductions as specified in the contract documents.

NONSTORMWATER DISCHARGES

Nonstormwater 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 other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GARIO0002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GARIO0002.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs

Alternative BMPs are not used on this project. Temporary check dams are used in ditches to provide interim stabilization and flow velocity reduction. The stability of the site is maintained with other conventional BMPs as shown on the plans. This ESPCP would be fully compliant with the GARIO0002 permit requirements if the additional BMPs were removed. Any sediment stored by the additional BMPs is not included in the required minimum sediment storage volume or shown in the sediment storage table.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

- LmB - Lucy loamy sand, 0 to 5 percent slopes
LmC - Lucy loamy sand, 5 to 8 percent slopes
LmD - Lucy loamy sand, 8 to 17 percent slopes
OeB - Orangeburg loamy sand, 2 to 5 percent slopes
OgC2 - Orangeburg sandy loam, 5 to 8 percent slopes, eroded
OgD2 - Orangeburg sandy loam, 8 to 17 percent slopes, eroded
O1 - Oslar and Bibb soils
TrC - Troup fine sand, 5 to 8 percent slopes
TrD - Troup fine sand, 8 to 17 percent slopes
W - Water

REVISION DATES

Table with 4 columns: No., Description, Date, and Initials. Contains 4 empty rows.

ESPCP GENERAL NOTES

SR 56 FROM BURKE COUNTY LINE TO SR 23

Table with 4 columns: CHECKED, DATE, CORRECTED, DATE, VERIFIED, DATE. Includes drawing number 51-001.



2862 Buford Highway, Suite 200
Duluth, GA 30096
Phone: (770) 925-0357
Fax: (770) 925-0565

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: BRIER CREEK, REGION III

Project Name: SR 56 FROM BURKE COUNTY LINE TO SR 23

Address: N/A - LINEAR PROJECT, WAYNESBORO

City/County: BURKE COUNTY

Date on Plans: 18 FEB 2016

TO BE SHOWN ON ES&PC PLAN

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N	
51-004	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.)
50-001	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.)
50-001	Y	3. The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-001	Y	4. Provide the name, address and phone number of primary permittee.
50-001 & 53-001	Y	5. Note total and disturbed acreage of the project or phase under construction.
50-001	Y	6. Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-001	Y	7. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-003	Y	8. Description of the nature of construction activity.
50-001	Y	9. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-001	Y	10. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-001	Y	11. 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.
50-001	Y	12. Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
50-001	Y	13. Design professional certification statement and signature that the permittee's ES&PC plan provides for representative sampling as stated on page 26 of permit as applicable.*
51-001	Y	14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5. within 7 days after installation." *
51-003	Y	15. Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." *
51-003	Y	16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-001	Y	17. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-001	Y	18. Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-001	Y	19. Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-001	Y	20. Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-001	Y	21. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III.C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-003	Y	24. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-001	Y	25. Provide BMPs for the remediation of all petroleum spills and leaks. *
51-001	Y	26. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-001	Y	27. Description of the practices that will be used to reduce the pollutants in storm water discharges.*

Plan Page #	Included Y/N	
51-001	Y	28. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-001	Y	29. Provide complete requirements of inspections and record keeping by the primary permittee. *
51-003	Y	30. Provide complete requirements of sampling frequency and reporting of sampling results. *
51-001	Y	31. Provide complete details for retention of records as per Part IV.F. of the permit. *
51-003	Y	32. Description of analytical methods to be used to collect and analyze the samples from each location. *
51-003	Y	33. Appendix B rationale for NTU values at all outfall sampling points where applicable. *
55-001	Y	34. Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. Also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-001	Y	35. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combined all of the BMPs into a single phase. *
ALL PLAN SHEETS	Y	36. Graphic scale and north arrow.
53-001 to 53-007	Y	37. 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
N/A	NO	38. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	NO	39. Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
55-001	Y	40. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
55-001	Y	41. Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-001 to 53-007	Y	42. Delineation and acreage of contributing drainage basins on the project site.
55-001	Y	43. Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
53-001	Y	44. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-001 to 53-007	Y	45. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
54-001 to 54-006	Y	46. Soil series for the project site and their delineation.
54-001 to 54-030	Y	47. The limits of disturbance for each phase of construction.
51-002	Y	48. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
54-001 to 54-030	Y	49. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
52-001 to 52-006	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.
51-001	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, 2016

Columbia Engineering
LAND PLANNERS - CIVIL ENGINEERS - LANDSCAPE ARCHITECTS - SURVEYORS
2862 Buford Highway, Suite 200
Duluth, GA 30096
Phone: (770) 925-0357
Fax: (770) 925-0565

REVISION DATES

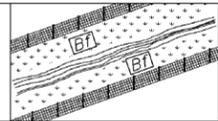
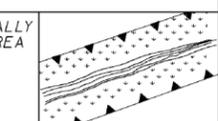
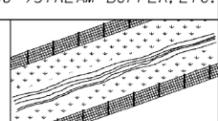
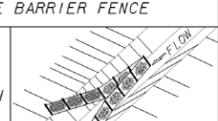
ESPCP GENERAL NOTES

SR 56 FROM BURKE COUNTY LINE TO SR 23

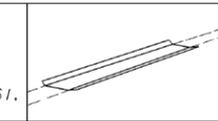
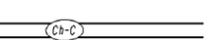
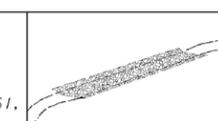
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CORRECTED:	DATE:	
VERIFIED:	DATE:	

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Bf		 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		 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.
		 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		 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.
Cd-S		 LINE CODE Cd-S	STONE CHECK DAMS ARE USED IN ROADWAY DITCHES. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE CHECK DAMS. CONTRACTOR MAY USE SANDBAG CHECK DAMS IN LIEU OF STONE CHECK DAMS. SANDBAG CHECK DAMS MUST BE USED IN CONCRETE LINED CHANNELS.

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".

CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
Ch-C		 SECTION 161. 441 	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
Ch-Rp1		 SECTION 161. 603 LINE CODE 	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 Sd1-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-Rp3		 SECTION 161. 603 LINE CODE 	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 Sd1-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
Ch-V		 SECTION 161. 700 LINE CODE 	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.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 1 OF 6 NO SCALE JANUARY 2007 DRAWING No. 52-001	REVISION DATES <table border="1"> <tr><td> </td><td> </td><td> </td></tr> </table>																														

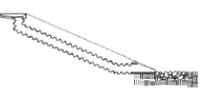
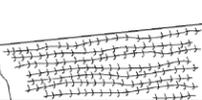
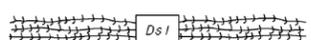
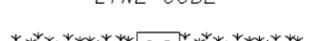
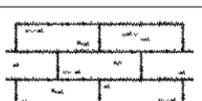
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Fax: (770) 925-0565

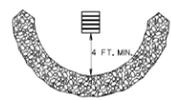
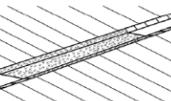
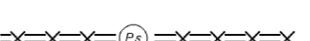
EROSION CONTROL LEGEND
SR 56 FROM BURKE COUNTY LINE TO SR 23

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD ;SPC's ;SECTION	DETAIL	DESCRIPTION
Dn2-2	PERMANENT DOWN DRAIN STRUCTURE GA. STD. 9017J TP2. D-26 TP2 SECTION 576, 577.		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).
	LINE CODE		
Ds1	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 SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.
	LINE CODE		
Ds2	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		
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS. 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		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.
	PATTERN		

CODE	PRACTICE STD ;SPC's ;SECTION	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL		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.
	LINE CODE		
Mb	EROSION CONTROL MATS CONSTRUCTION DETAIL SECTION 716		ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS.
	PATTERN		
Ps	PERMANENT SOIL REINFORCING MAT CONSTRUCTION DETAIL SECTION 710		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. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
	LINE CODE		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL SECTION 163, 603.		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 GEOTEXTILE UNDERLINER.
	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".

TC	UPDATED DRAWING NO., ADDRESS Ds3 & Ds4 CODES; RELOC. Rd & Rt-P CODES TO DRAWING NO. 52-004.	1-24-13	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
TC	RELOCATED Rd, Rd-P, & Rt-B CODES FROM ECL&LIC SHEET 4 OF 6.	10-2-12	
GLO	DELETED F&S REVISED ORDER	11-13-07	
GLO	REVISED TITLE BLOCK	11-09-07	
BY	REVISION	DATE	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 3 OF 6
NO SCALE			JANUARY 2007
NUMBER EC-L3		DRAWING No.	52-003

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Duluth, GA 30096
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REVISION DATES

EROSION CONTROL LEGEND

SR 56 FROM BURKE COUNTY LINE TO SR 23

CHECKED:	DATE:	DRAWING No.
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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
Rp	RIPRAP		RIP RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND END ROLLS. RIP RAP, TYPE 1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLIMER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS.
	SECTION 603	PATTERN 	
Rt-P	RETROFITTING CONSTRUCTION DETAIL SECTION 163		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.
		LINE CODE 	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"
Rt-B	RETROFITTING CONSTRUCTION DETAIL SECTION 163		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.
		LINE CODE 	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"
Rt-BSg1 Rt-BSg2 Rt-BSg3	SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		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.
		LINE CODE 	Rt-BSg1-TYPE 1: USED ON BOX CULVERTS Rt-BSg2-TYPE 2: USED ON STRAIGHT HEADWALLS Rt-BSg3-TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Sb-F	SILT RETENTION BARRIER FLOATING SECTION 170		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.
		LINE CODE 	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		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 "CH". 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.
		LINE CODE 	
Sd1-A	SILT FENCE TYPE A CONSTRUCTION DETAIL SECTION 171		USED ALONG THE TOE OF FILLS LESS THAN 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.
		LINE CODE 	
Sd1-B	SILT FENCE TYPE B CONSTRUCTION DETAIL SECTION 171		TYPE B MAY BE USED IN LIEU OF BALED STRAW AND AT THE TOE OF FILLS LESS THAN 10 FEET HIGH.
		LINE CODE 	
Sd1-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171		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.
		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 4 OF 6	
NO SCALE	JANUARY 2007
NUMBER EC-L4	DRAWING No. 52-004

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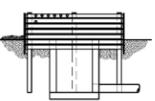
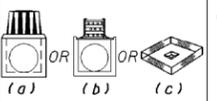
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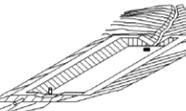
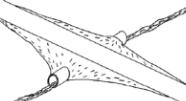
EROSION CONTROL LEGEND
SR 56 FROM BURKE COUNTY LINE TO SR 23

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
(Sd1-Bb)	BRUSH BARRIER CONSTRUCTION DETAIL		THIS ITEM CONSISTS OF INTERMINGLED 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.
		LINE CODE * * * (Sd1-Bb) * * *	
(Sd1-Hb)	SEDIMENT BARRIER CONSTRUCTION DETAIL SECTION 163		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.
		LINE CODE -s-s-s (Sd1-Hb) s-s-s-	
(Sd2-B)	BAFFLE BOX INLET SEDIMENT TRAP CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q=7 cfs.
		LINE CODE (Sd2-B)	
(Sd2-Bg)	BLOCK & GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		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.
		LINE CODE (Sd2-Bg)	
(Sd2-F)	INLET SEDIMENT TRAP CONSTRUCTION DETAILS SECTION 163		(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 RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOWS THAT RANGE FROM Q=0-4 cfs.
		LINE CODE (Sd2-F)	

CODE	PRACTICE STD : SPC'S : SECTION	DETAIL	DESCRIPTION
(Sd2-G)	GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		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.
		LINE CODE (Sd2-G)	
(Sd3)	SEDIMENT BASIN CONSTRUCTION DETAIL SECTION 163		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.
		LINE CODE (Sd3)	
(Sr)	STREAM CROSSING SECTION 161		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
		LINE CODE (Sr)	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.
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1-24-13		DEPARTMENT OF TRANSPORTATION	
RELOCATED S1 & S1-RP CODES TO DRAWING NO. 62-006.		STATE OF GEORGIA	
DEL. Sg-1, Sg-2, Sg-3 CODES, 10-2-12		EROSION CONTROL LEGEND AND UNIFORM CODE SHEET	
RELOCATED S1 & S1-RP CODES FROM ECL & UC SHT. 6 OF 16.		SHEET 5 OF 6	
REV. Sg-1, Sg-2 AND Sg-3		NO SCALE	
REVISED TITLE BLOCK		JANUARY 2007	
BY		DRAWING No.	
GLO		NUMBER	
		EC-L5	
		52-005	

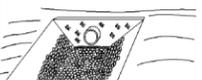
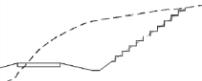
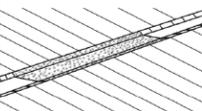
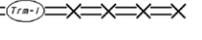
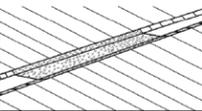
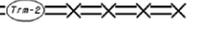
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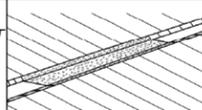
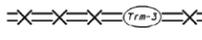
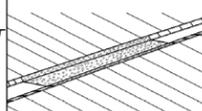
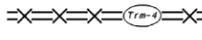
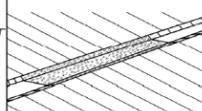
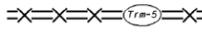
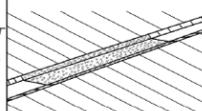
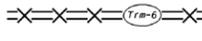
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REVISION DATES		EROSION CONTROL LEGEND	
		SR 56 FROM BURKE COUNTY LINE TO SR 23	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	52-005	
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VERIFIED:	DATE:		

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CODE	PRACTICE STD :SPC'S :SECTION	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 LINE CODE 	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 1 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 QUANTITY DETERMINATION.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL SECTION 205	 LINE CODE  (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 REQUIRED 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.
Trm-1	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 psf. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
Trm-2	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 psf. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)

CODE	PRACTICE STD :SPC'S :SECTION	DETAIL	DESCRIPTION
Trm-3	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 0-6 psf. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
Trm-4	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 0-8 psf. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
Trm-5	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 0-10 psf. (THIS IS ALSO CALLED "Mb" IN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)
Trm-6	TURF REINFORCEMENT MAT CONSTRUCTION DETAIL SECTION 711	 LINE CODE 	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 0-12 psf. (THIS IS ALSO CALLED "Mb" IN THE 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".

L-2413 10-2-12		DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
L-2413 10-2-12		REVISION		EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 6 OF 6	
NO SCALE		NOV., 2007		DRAWING No. 52-006	
BY		NUMBER EC-L6			

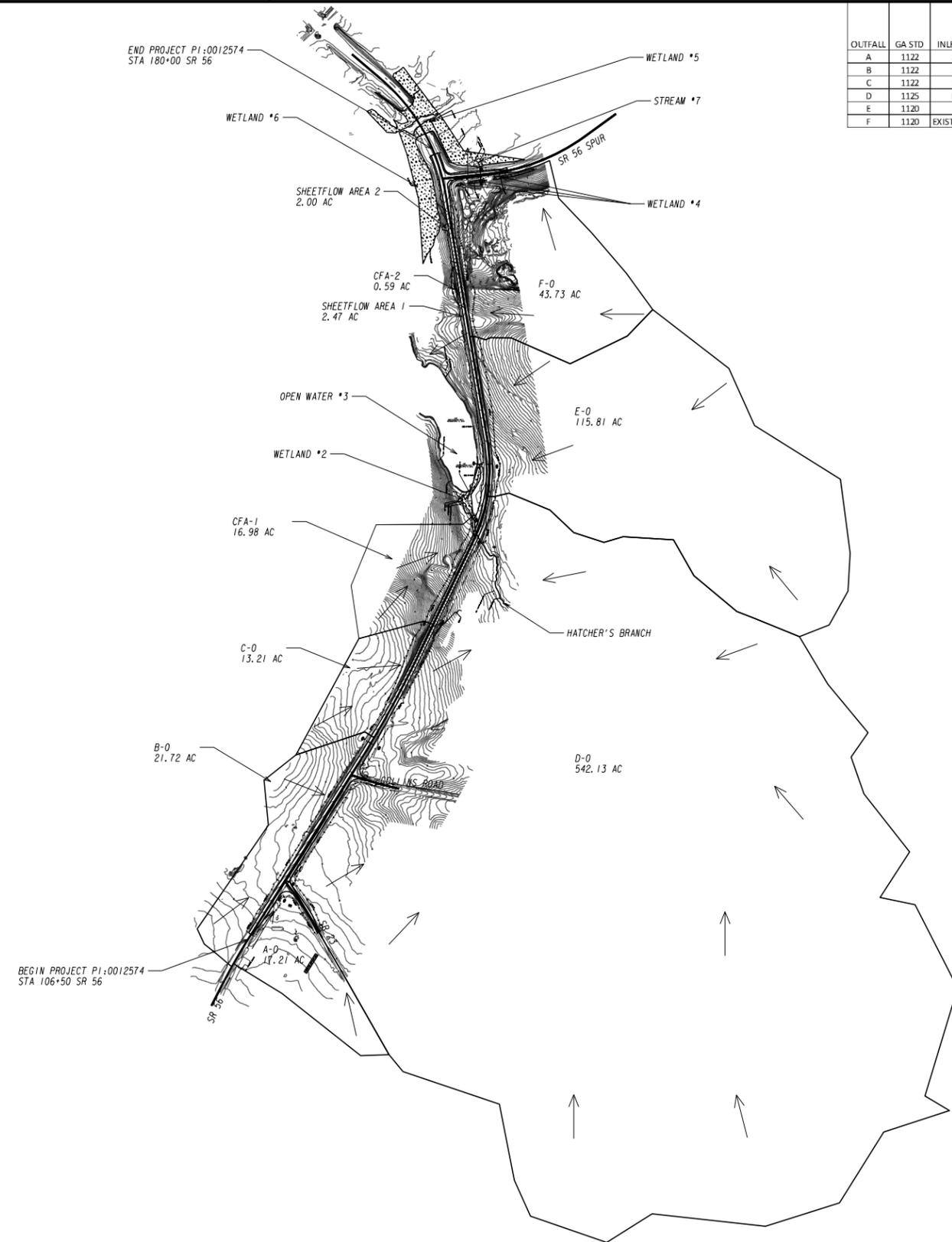
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REVISION DATES

EROSION CONTROL LEGEND
SR 56 FROM BURKE COUNTY LINE TO SR 23

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	52-006
CORRECTED:	DATE:	
VERIFIED:	DATE:	



OUTFALL	GA STD	INLET TYPE	ALIGNMENT	SIZE	TOTAL PROJECT DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	PRE-CONSTRUCTION						POST-CONSTRUCTION				OVER-TOPPING ELEVATION		
							C	PEAK FLOWS (CFS)		VELOCITIES (FPS)		HW (FEET)		C	PEAK FLOW (CFS)			VELOCITIES (FPS)	
								50	100	50	100	50	100		50	100		50	100
A	1122	SES	SR 56	36" PIPE	17.21	1.12	0.25	32.70	32.70	10.70	10.70	284.90	284.90	0.26	60.96	68.00	9.41	10.10	285.37
B	1122	SES	SR 56	(2) 18" PIPES	21.72	3.08	0.25	13.43	13.68	7.60	7.74	262.33	262.42	0.27	23.77	24.04	6.72	6.80	264.86
C	1122	SES	SR 56	24" PIPE	12.75	1.70	0.20	18.67	18.79	10.77	10.75	218.50	218.50	0.22	32.97	35.11	11.25	11.91	220.05
D	1125	HW	SR 56	(3) 48" PIPES	593.81	5.43	0.20	36.05	36.38	14.64	14.64	156.86	156.86	0.20	273.80	317.62	8.93	10.16	158.67
E	1120	FES	SR 56	48" PIPE	115.81	2.41	0.18	41.10	41.10	13.08	13.01	160.00	160.00	0.18	99.01	116.01	9.66	11.12	172.09
F	1120	EXISTING FES	SR 56 SPUR	EX. 36" PIPE	57.49	1.98	0.18	102.53	102.53	14.50	14.50	133.21	133.21	0.19	120.24	136.17	12.65	14.25	133.21

THE PROJECT HAS A TOTAL AREA OF 26.99 ACRES.
AND AN EXPECTED DISTURBED AREA OF 15.17 ACRES.

CONTRACTOR TO SEE THE CONSTRUCTION RESTRICTIONS IN THE "ENVIRONMENTAL IMPACT TABLE" IN THE GENERAL NOTES (SECTION 4) ON ALL FEATURES DELINEATED WITH ESA INVERTED SAW-TOOTHED LINES.

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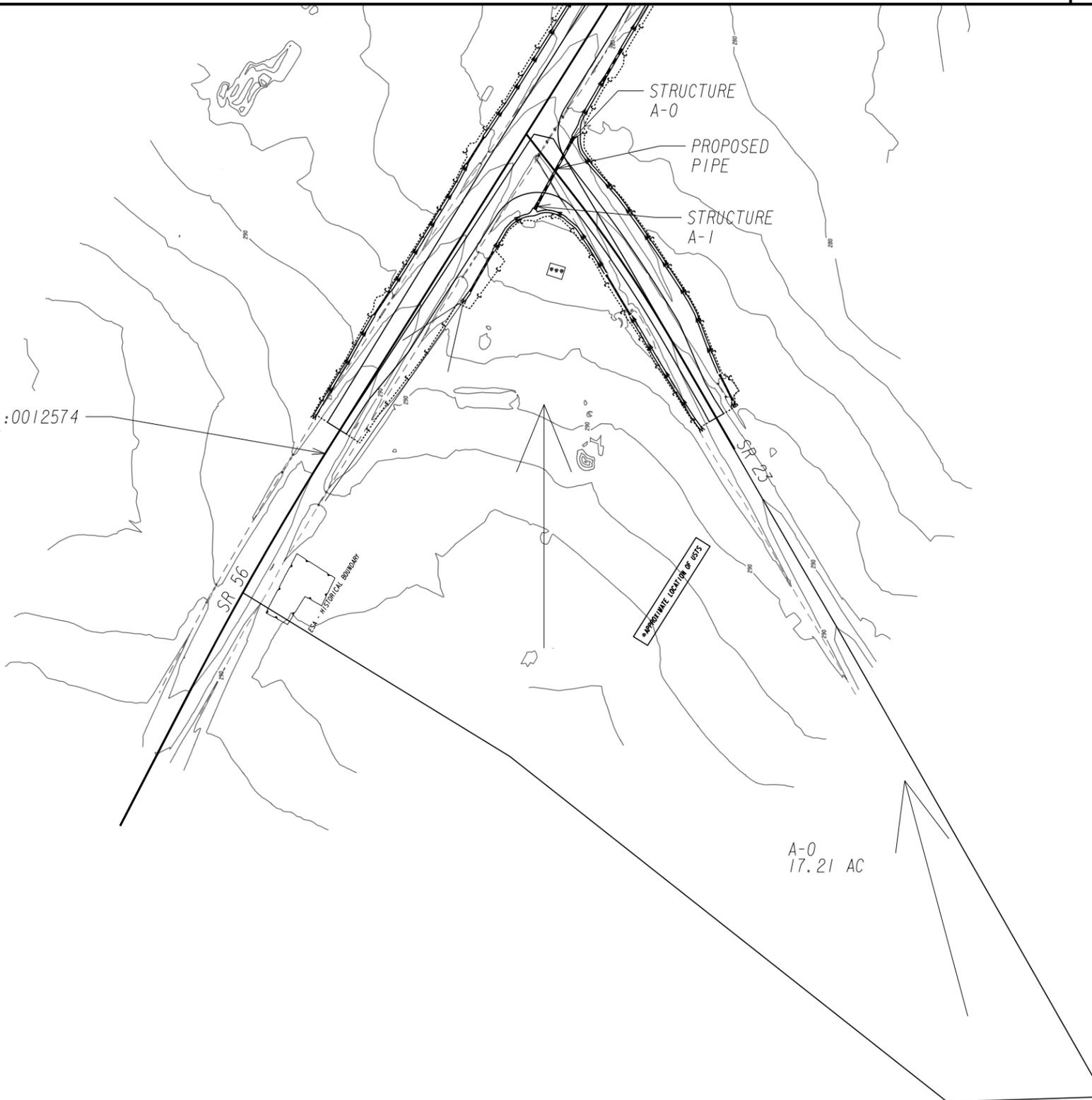


REVISION DATES		DATE		DRAWING No.

EROSION CONTROL DRAINAGE AREA MAP
SR 56 FROM BURKE COUNTY LINE TO SR 23
OVERVIEW MAP

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
VERIFIED:	DATE:	

BEGIN PROJECT PI:0012574
STA 106+50 SR 56



A-0
17.21 AC

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REVISION DATES

NO.	DATE	DESCRIPTION

EROSION CONTROL DRAINAGE AREA MAP
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 BASIN A

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	53-002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

BEGIN PROJECT PI:0012574
STA 106+50 SR 56

B-0
21.72 AC

STRUCTURE
B-1

EXISTING/PROPOSED
PIPE

STRUCTURE
B-0

COLLINS ROAD

SR 56



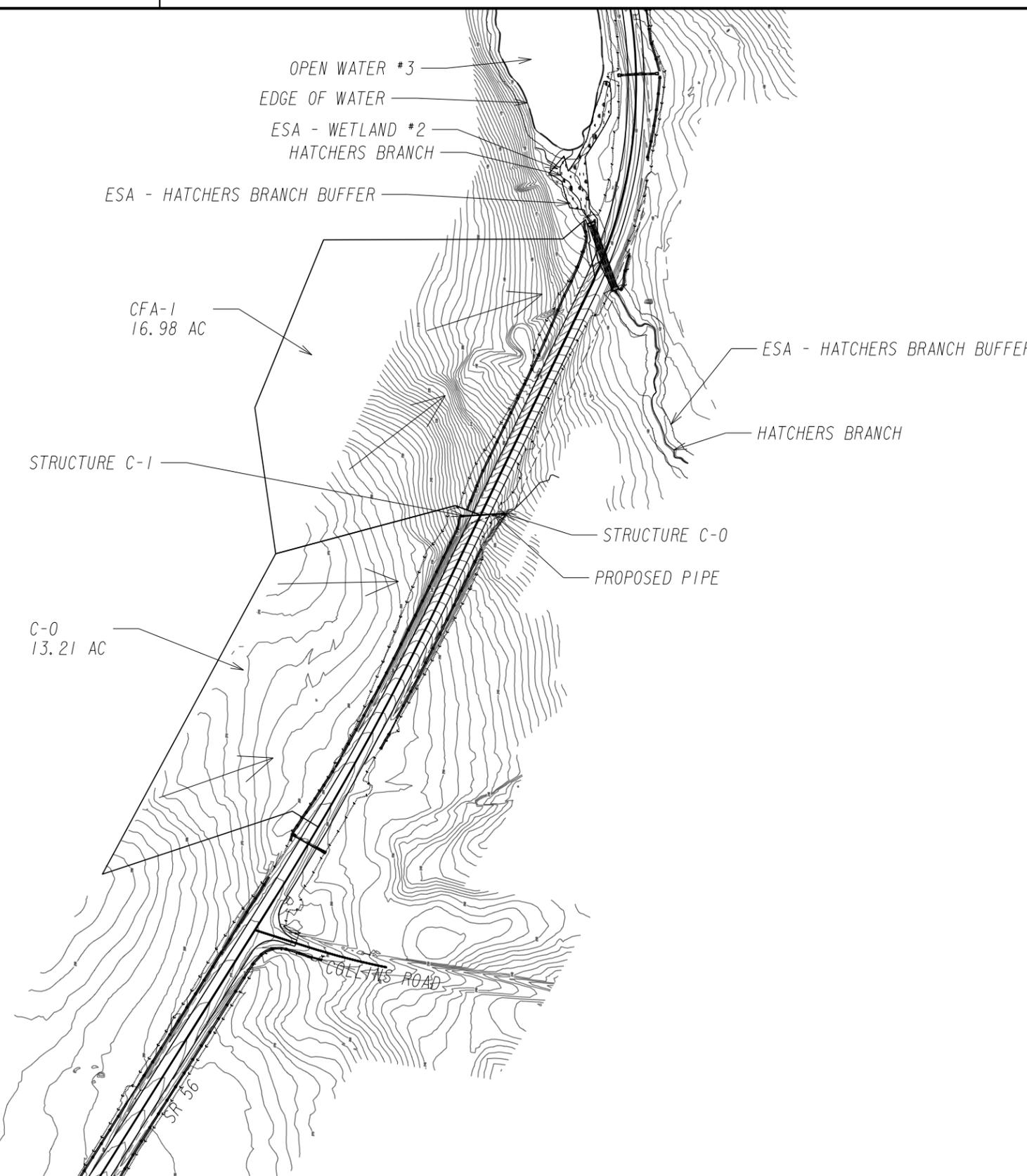
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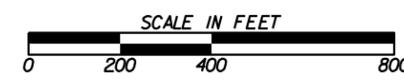
REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
SR 56 FROM BURKE COUNTY LINE TO SR 23
BASIN B

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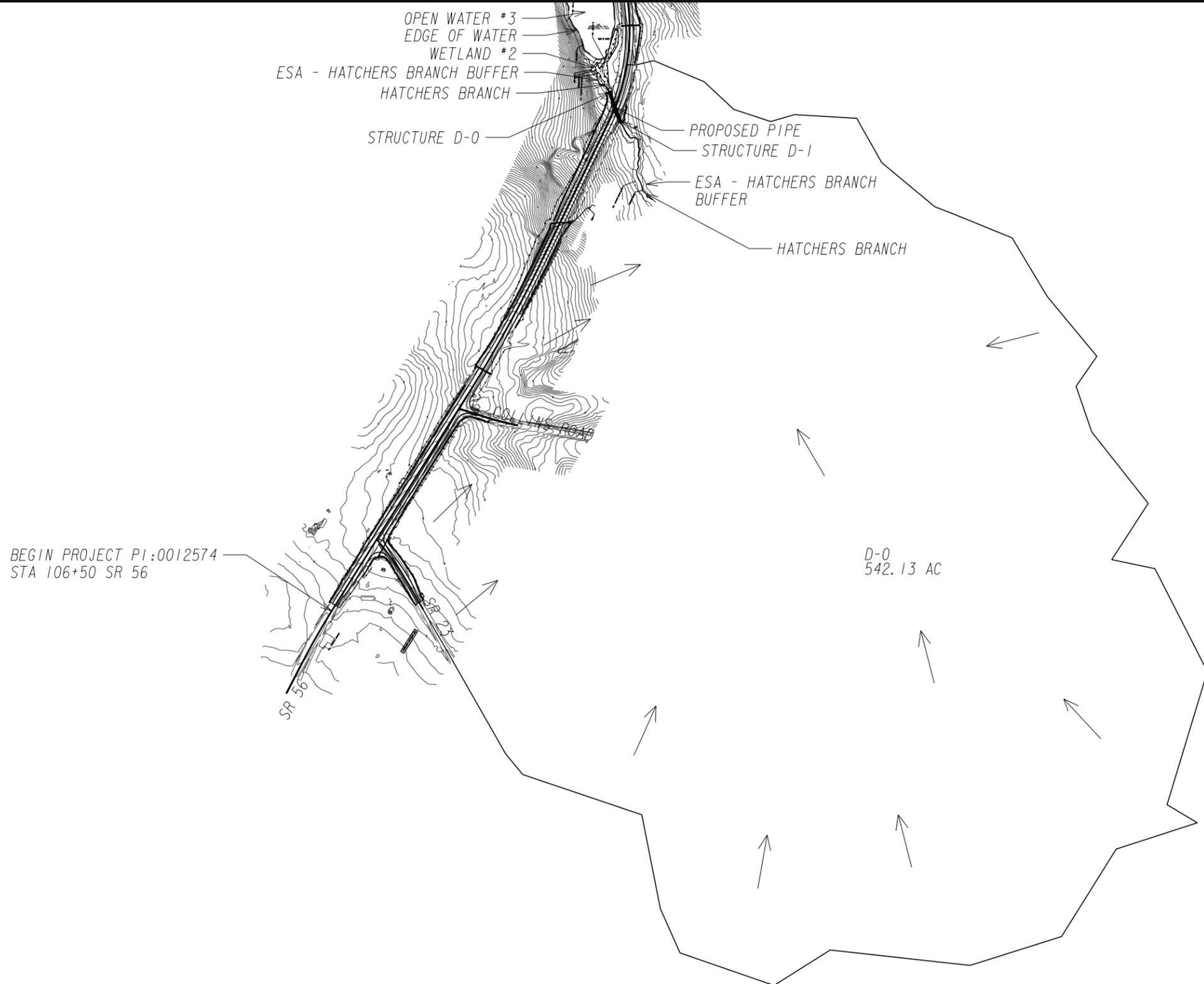
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REVISION DATES	

EROSION CONTROL DRAINAGE AREA MAP
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 BASIN C & CFA-1

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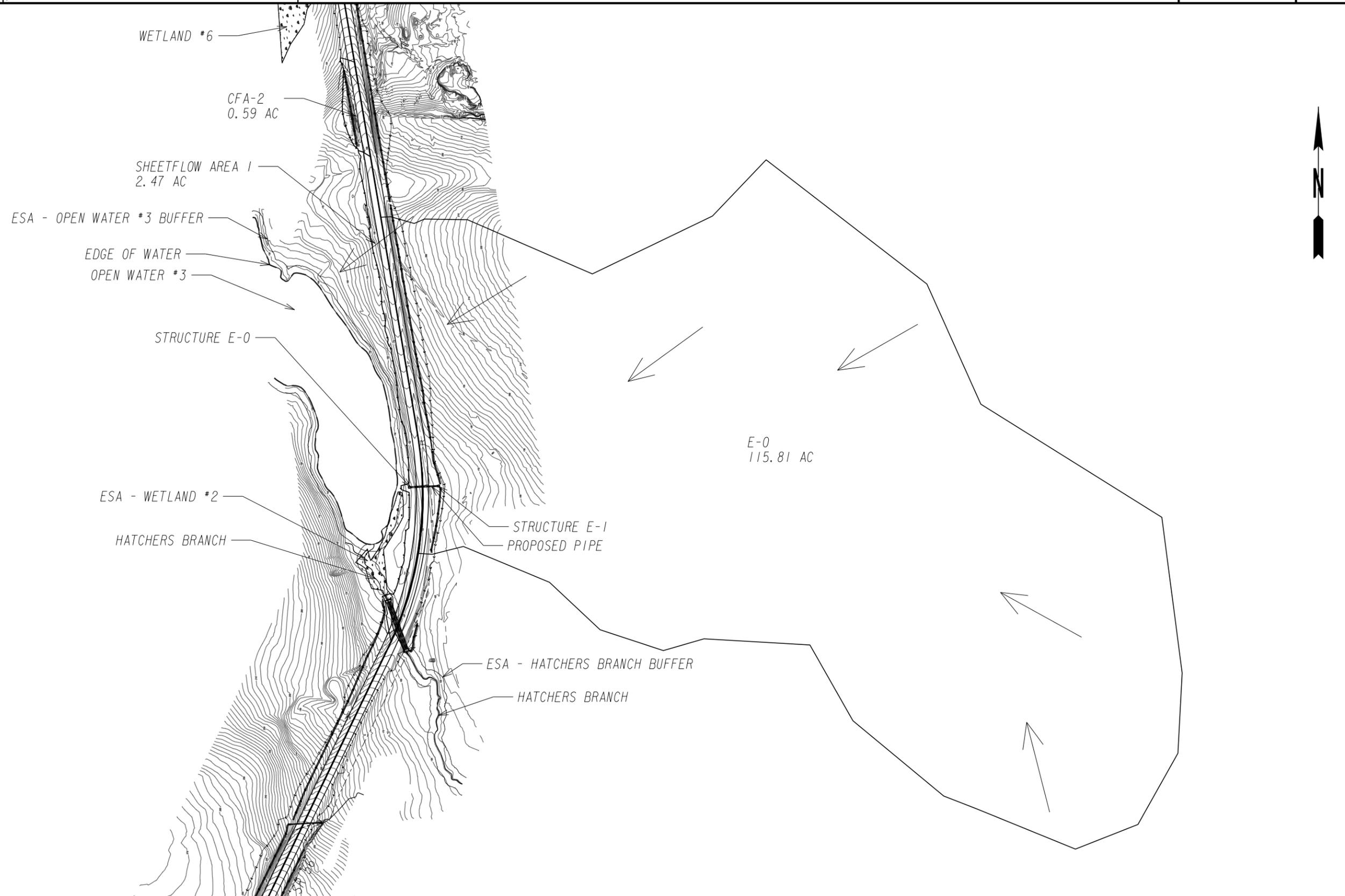
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REVISION DATES	

EROSION CONTROL DRAINAGE AREA MAP
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 BASIN D

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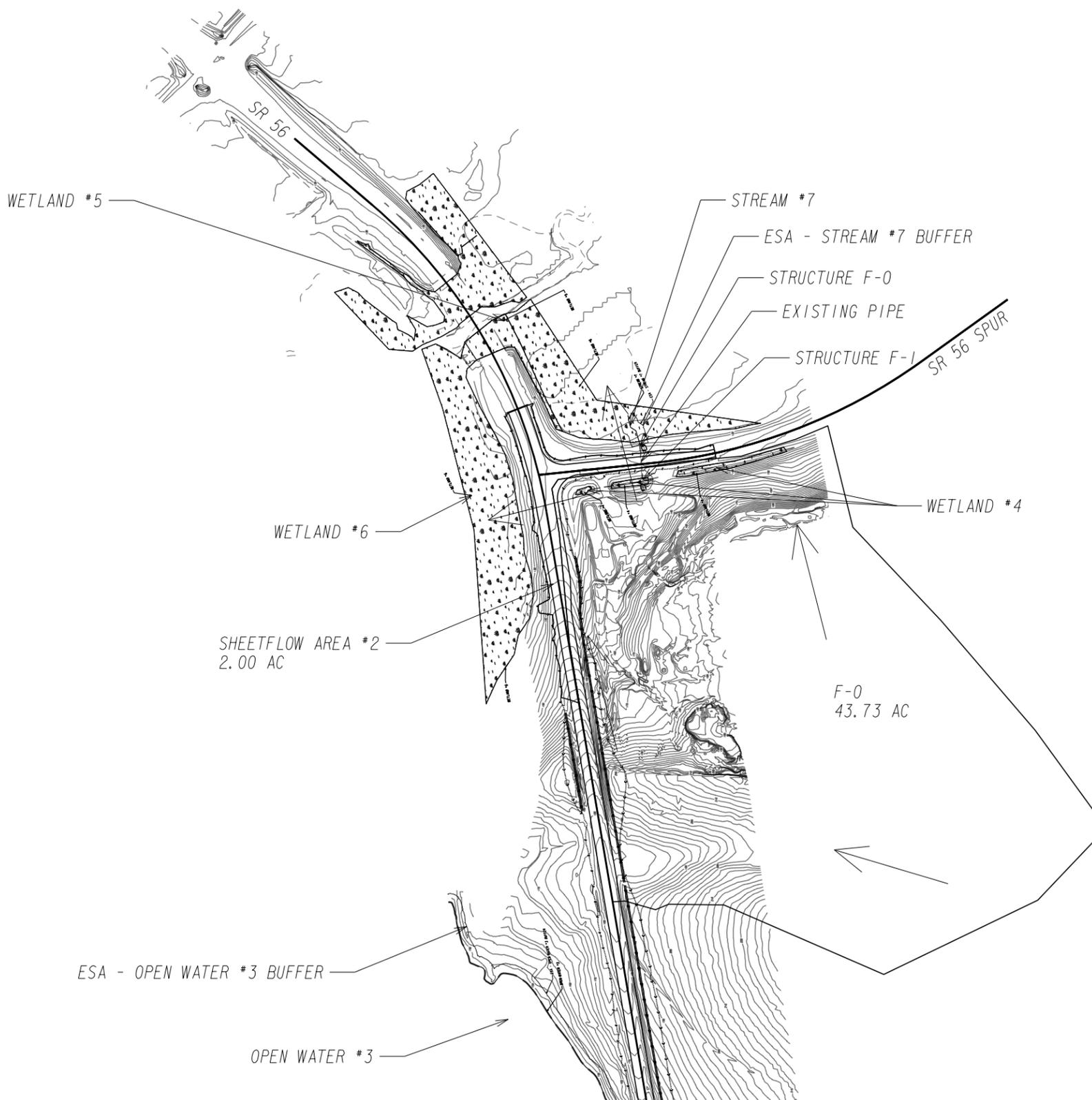
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REVISION DATES	

EROSION CONTROL DRAINAGE AREA MAP
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 BASIN E, CFA-2, SFA-1

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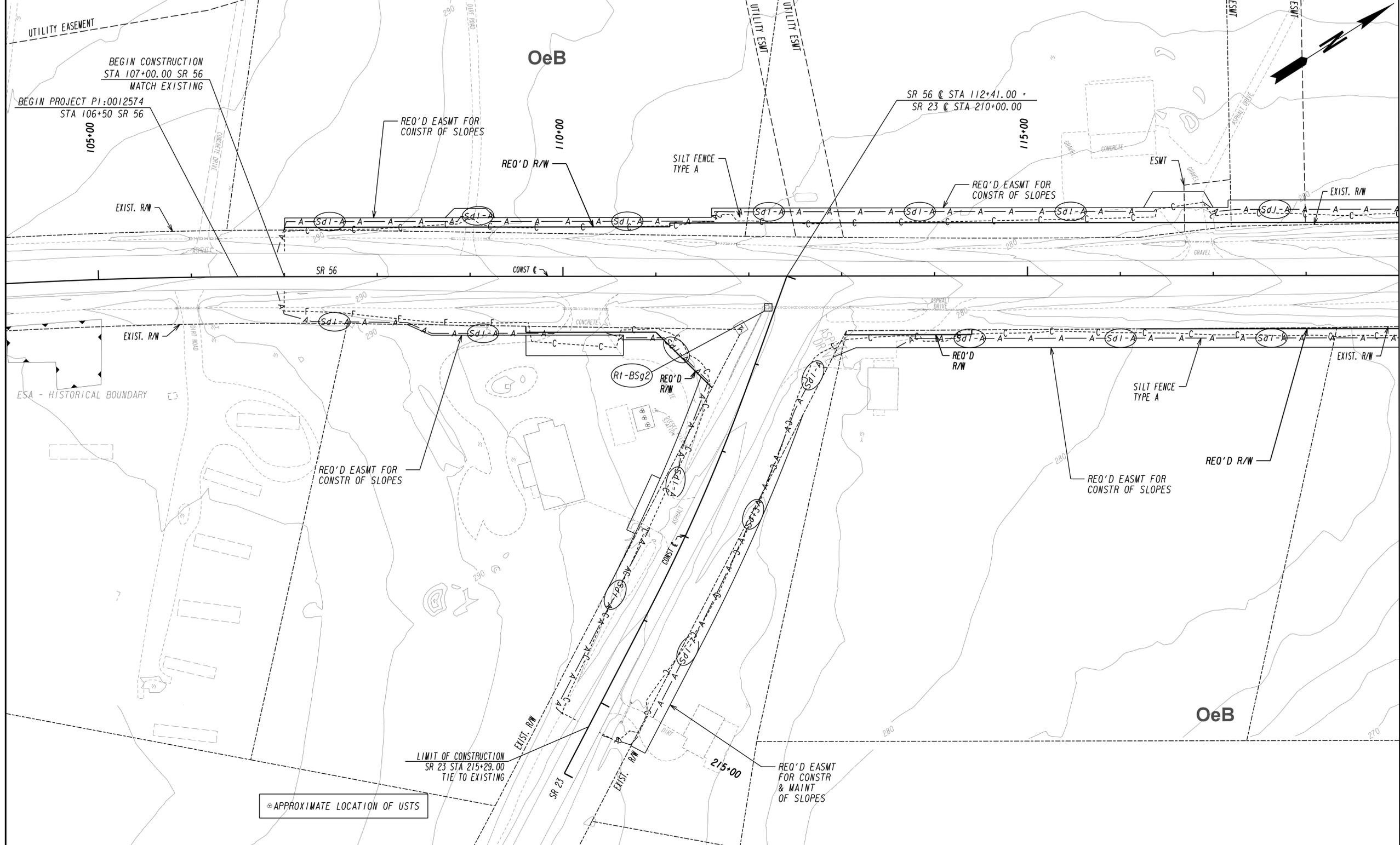
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REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
SR 56 FROM BURKE COUNTY LINE TO SR 23
BASIN F, SFA-2

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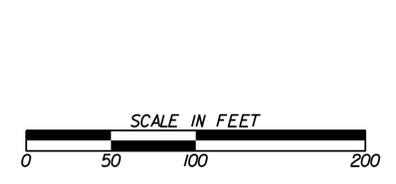


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MATCH LINE STA. 119+00

2/3/2015 GPLM

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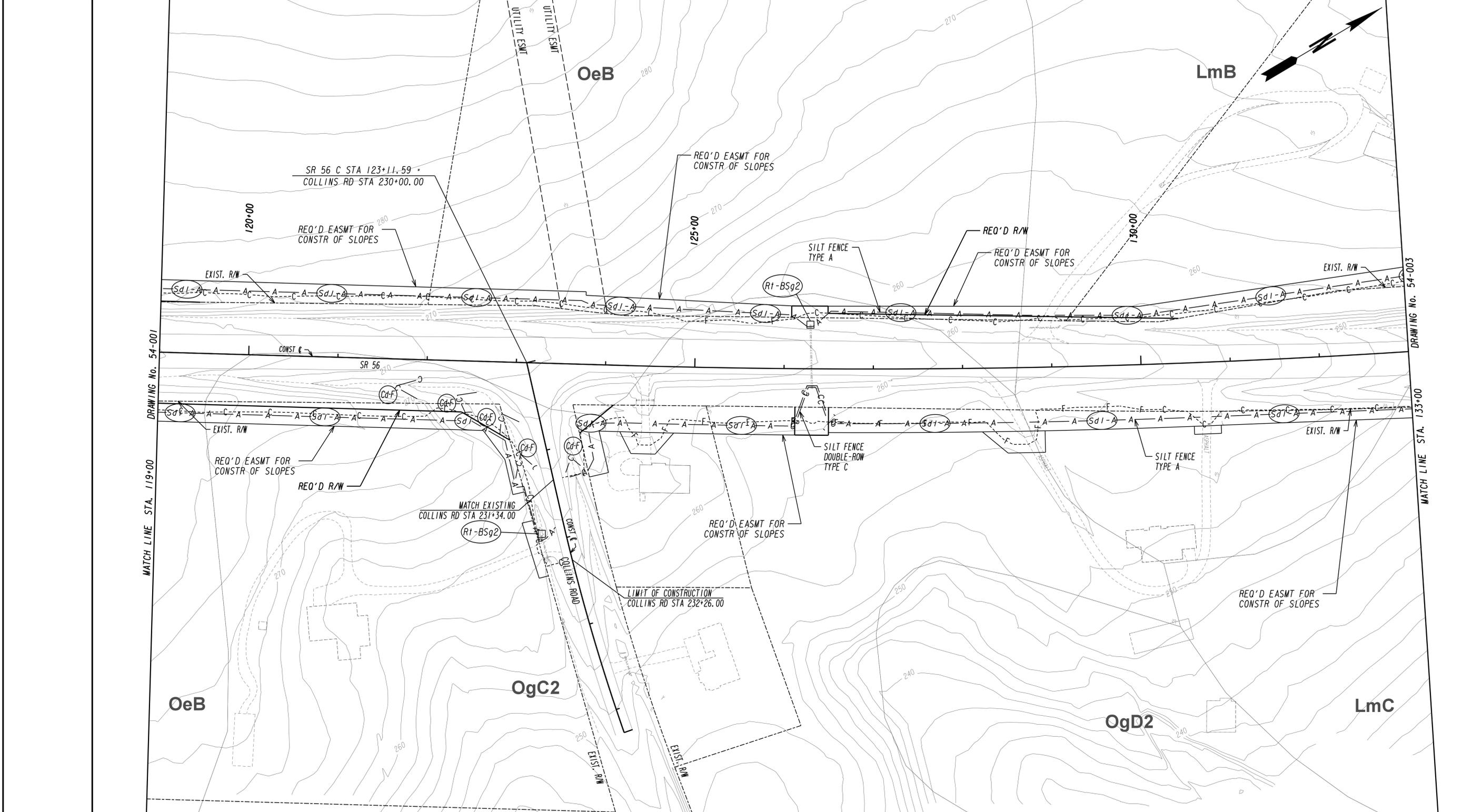
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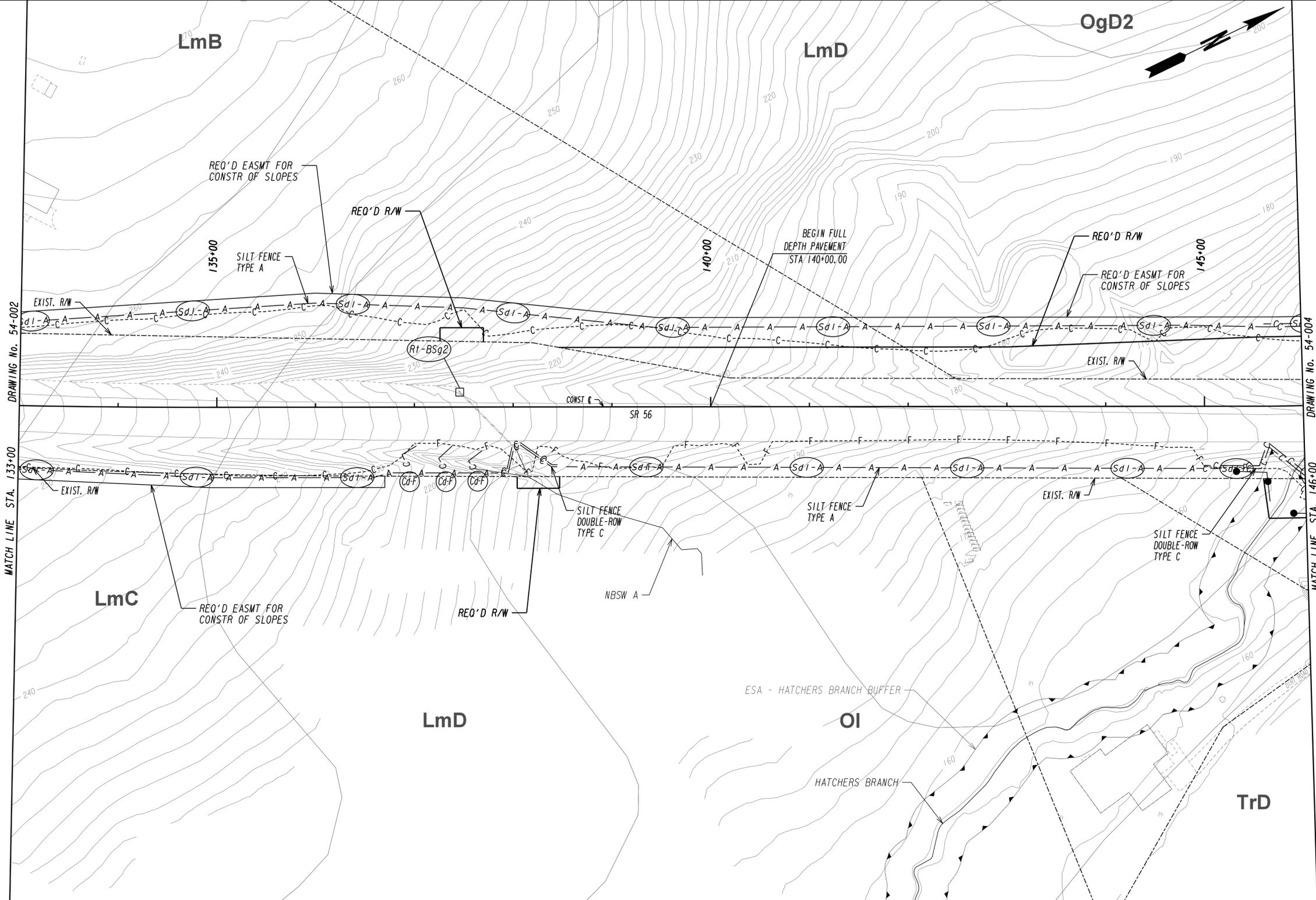
REVISION DATES	

BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 INITIAL PHASE

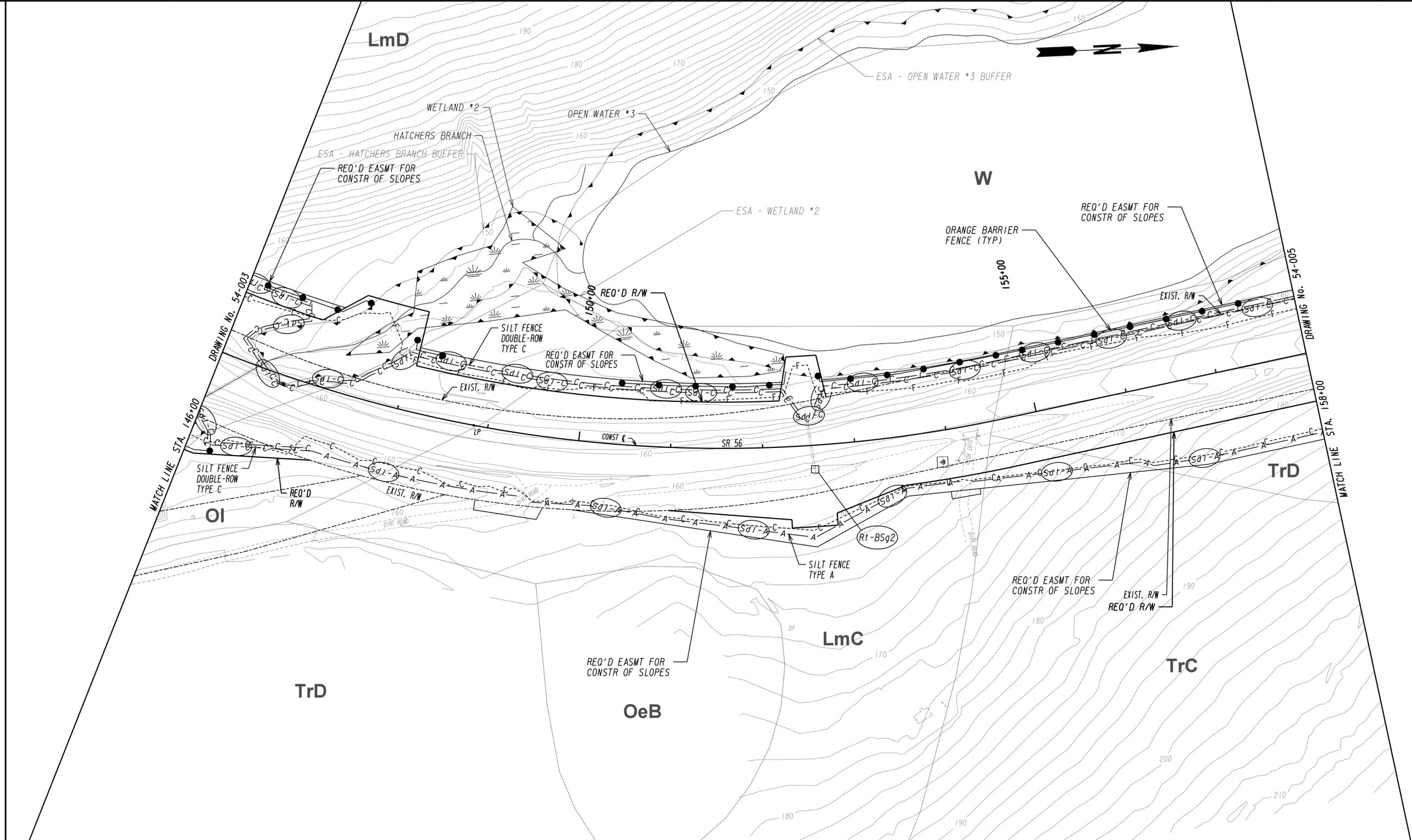
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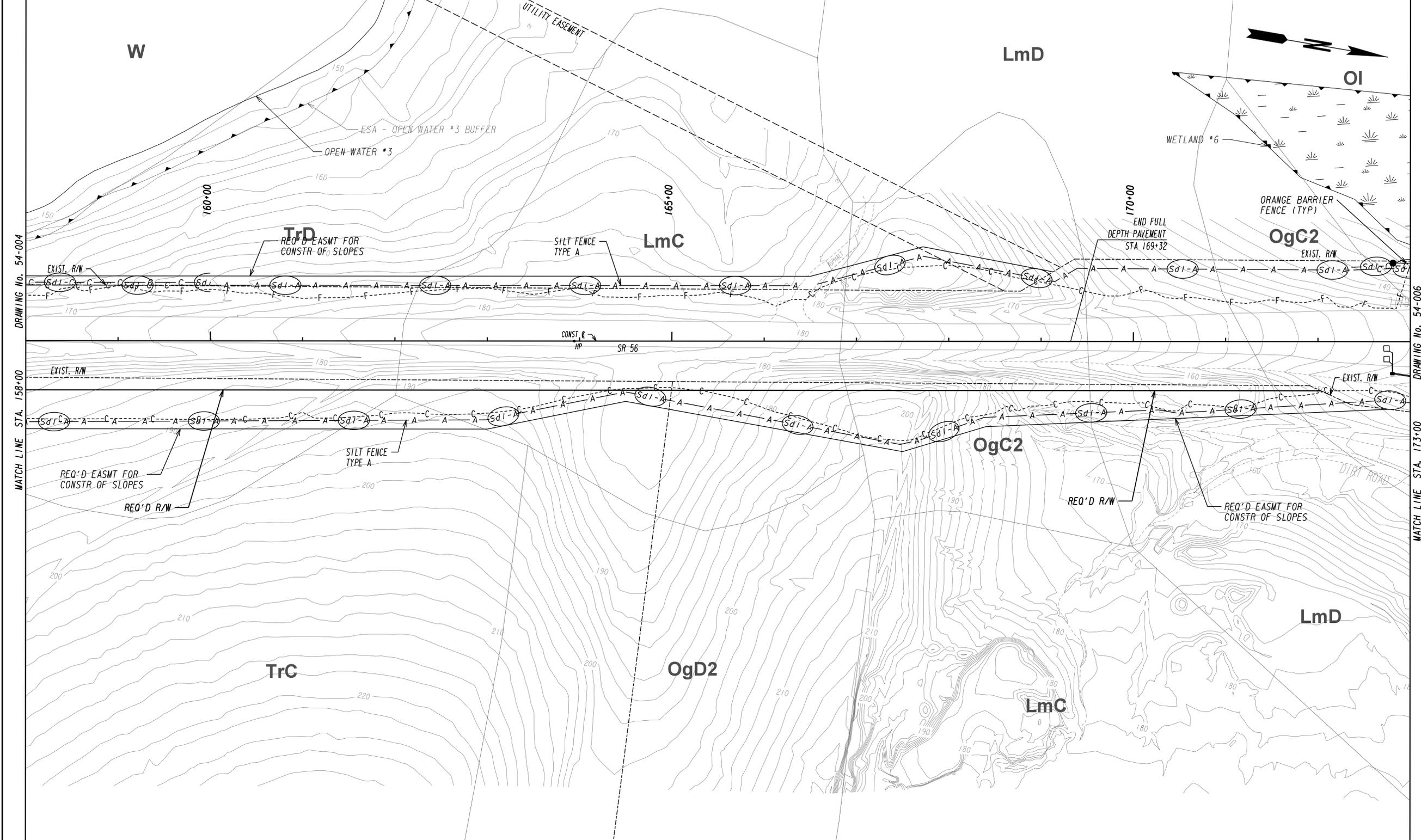


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REVISION DATES	

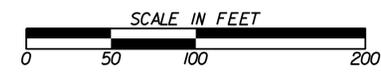
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DRAWING NO. 54-004
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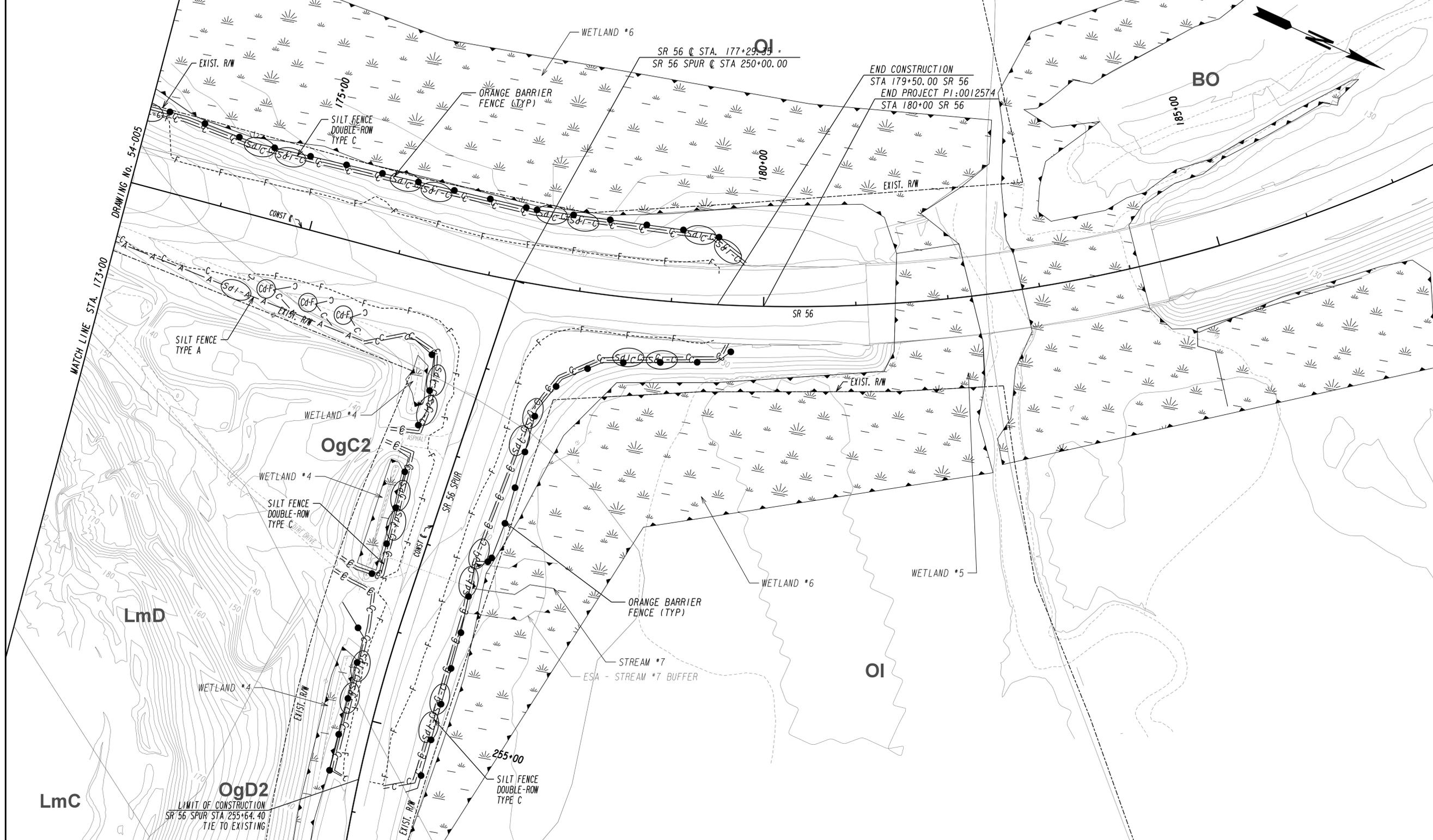
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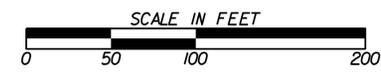


REVISION DATES	

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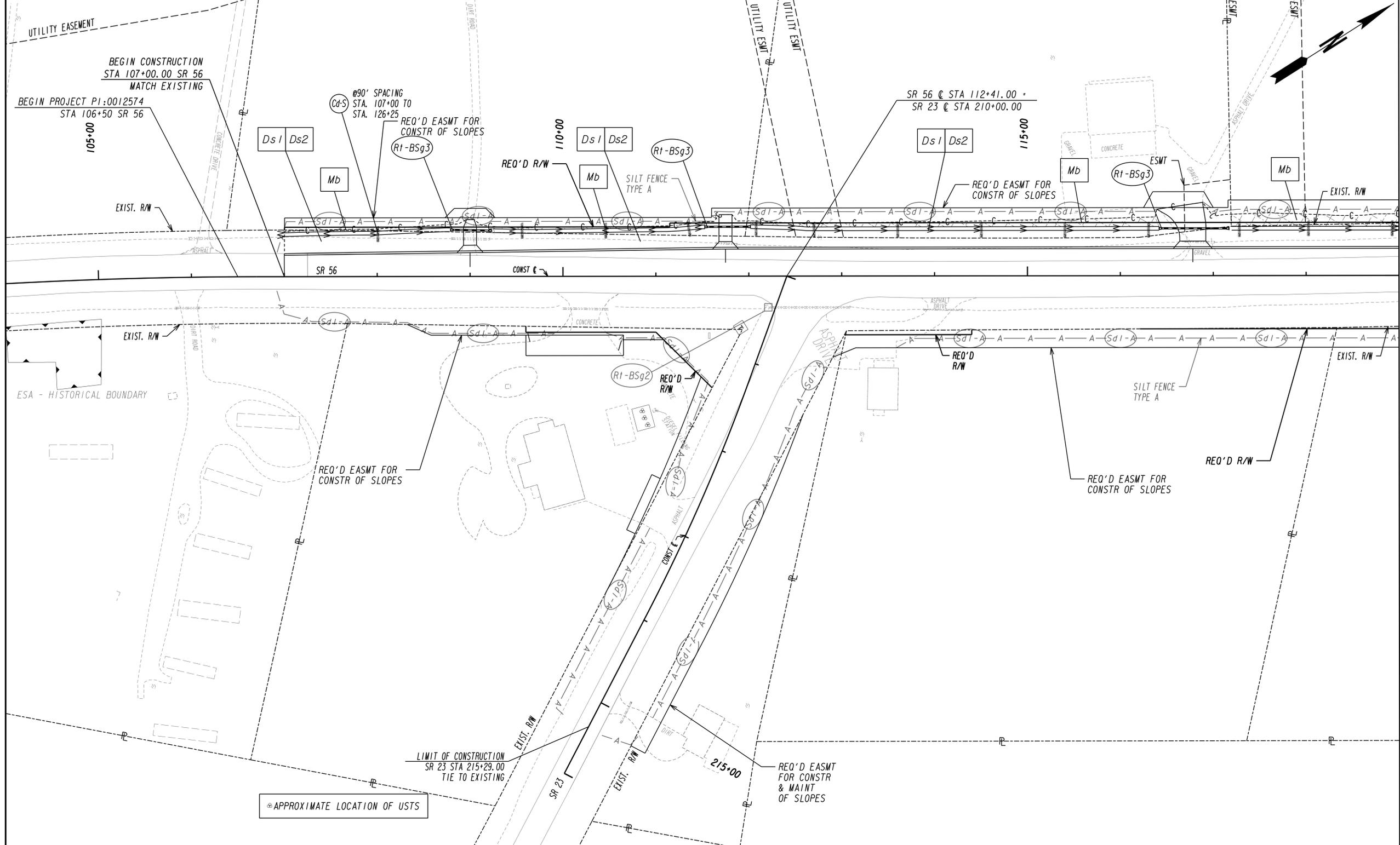


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BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-006

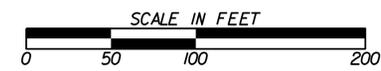


DRAWING No. 19-002
MATCH LINE STA. 119+00

⊕ APPROXIMATE LOCATION OF USTS

BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

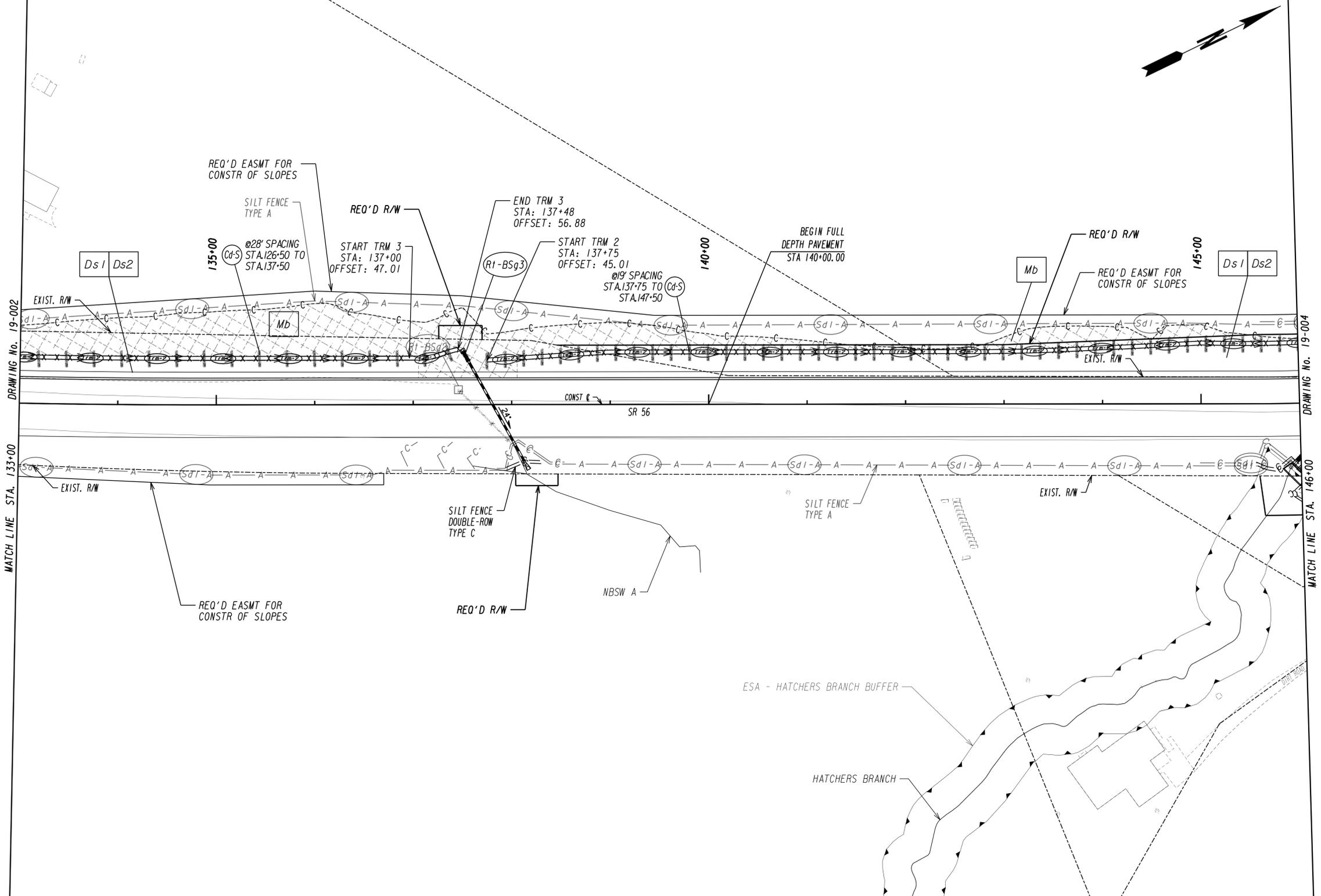
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REVISION DATES	

BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE I - INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-007
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DRAWING No. 19-002

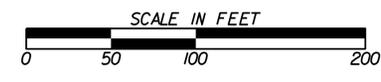
MATCH LINE STA. 133+00

DRAWING No. 19-004

MATCH LINE STA. 146+00

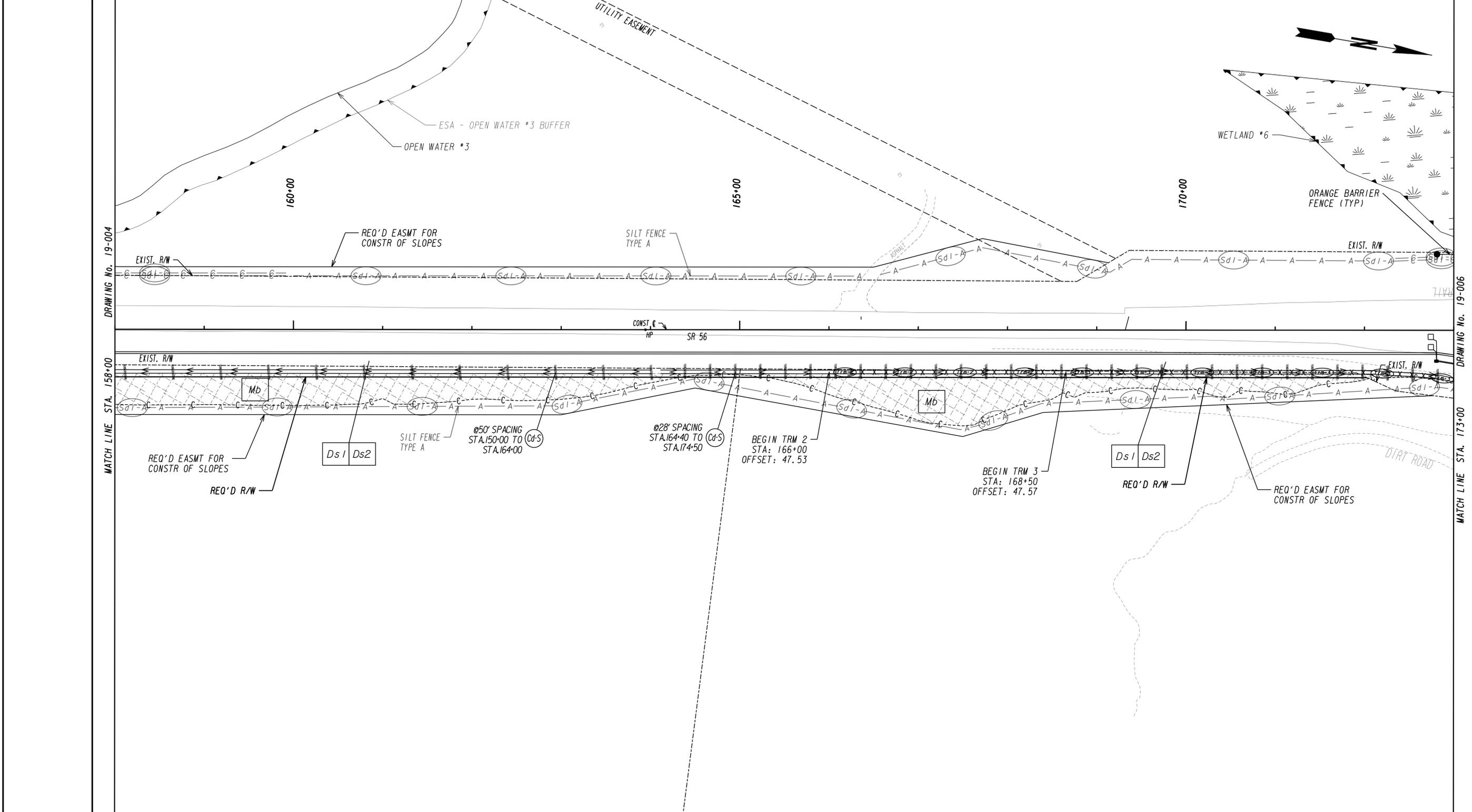
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE I - INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-009

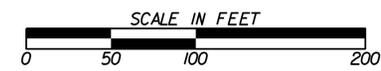


DRAWING NO. 19-004
MATCH LINE STA. 158+00

DRAWING NO. 19-005
MATCH LINE STA. 173+00

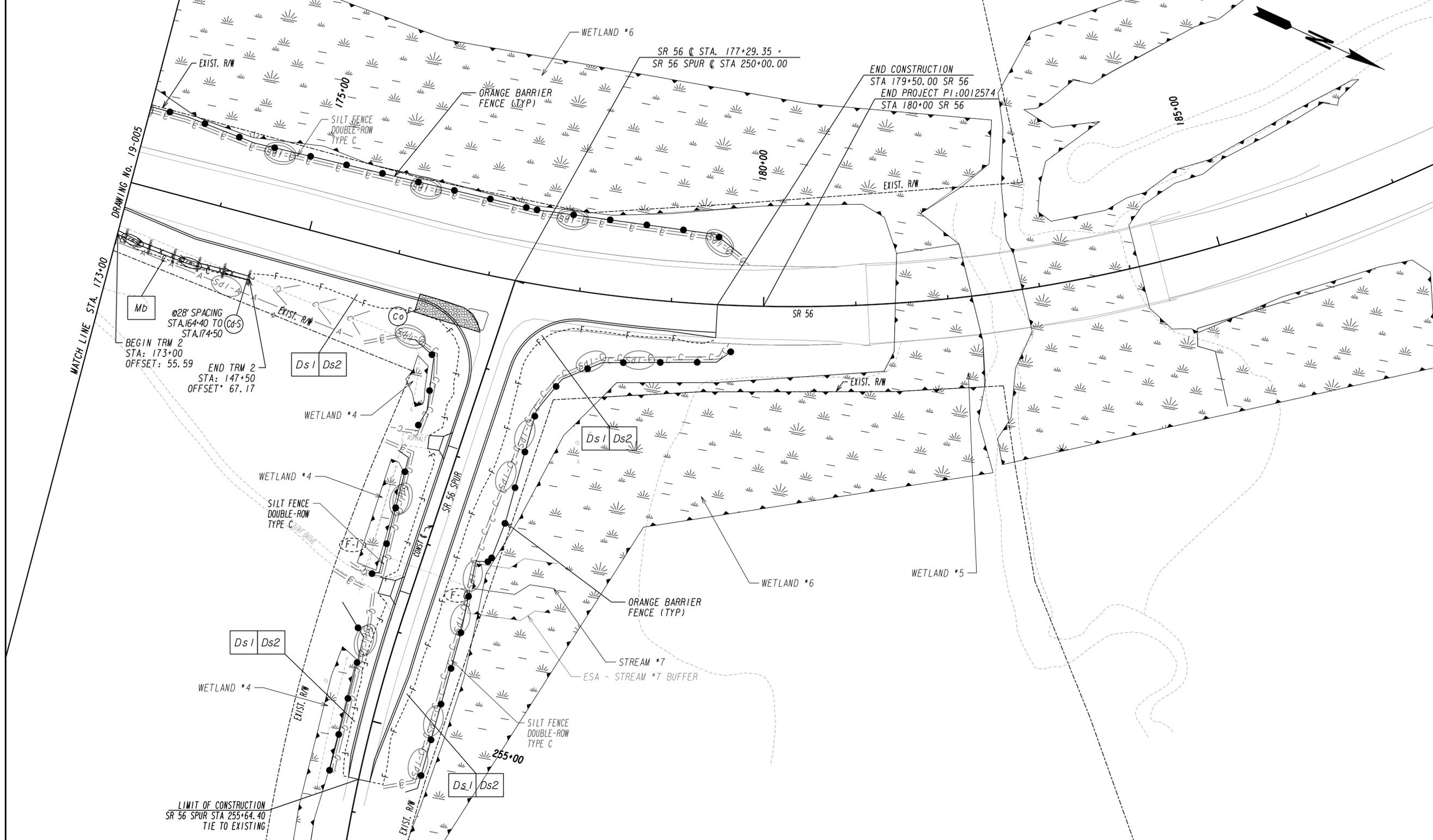
BMPs SHOWN IN GRAYSSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE I - INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-011

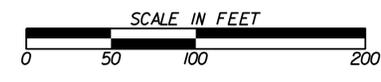


Mb @28' SPACING STA.164+40 TO STA.174+50
 BEGIN TRM 2 STA: 173+00 OFFSET: 55.59
 END TRM 2 STA: 147+50 OFFSET: 67.17

LIMIT OF CONSTRUCTION SR 56 SPUR STA 255+64.40 TIE TO EXISTING

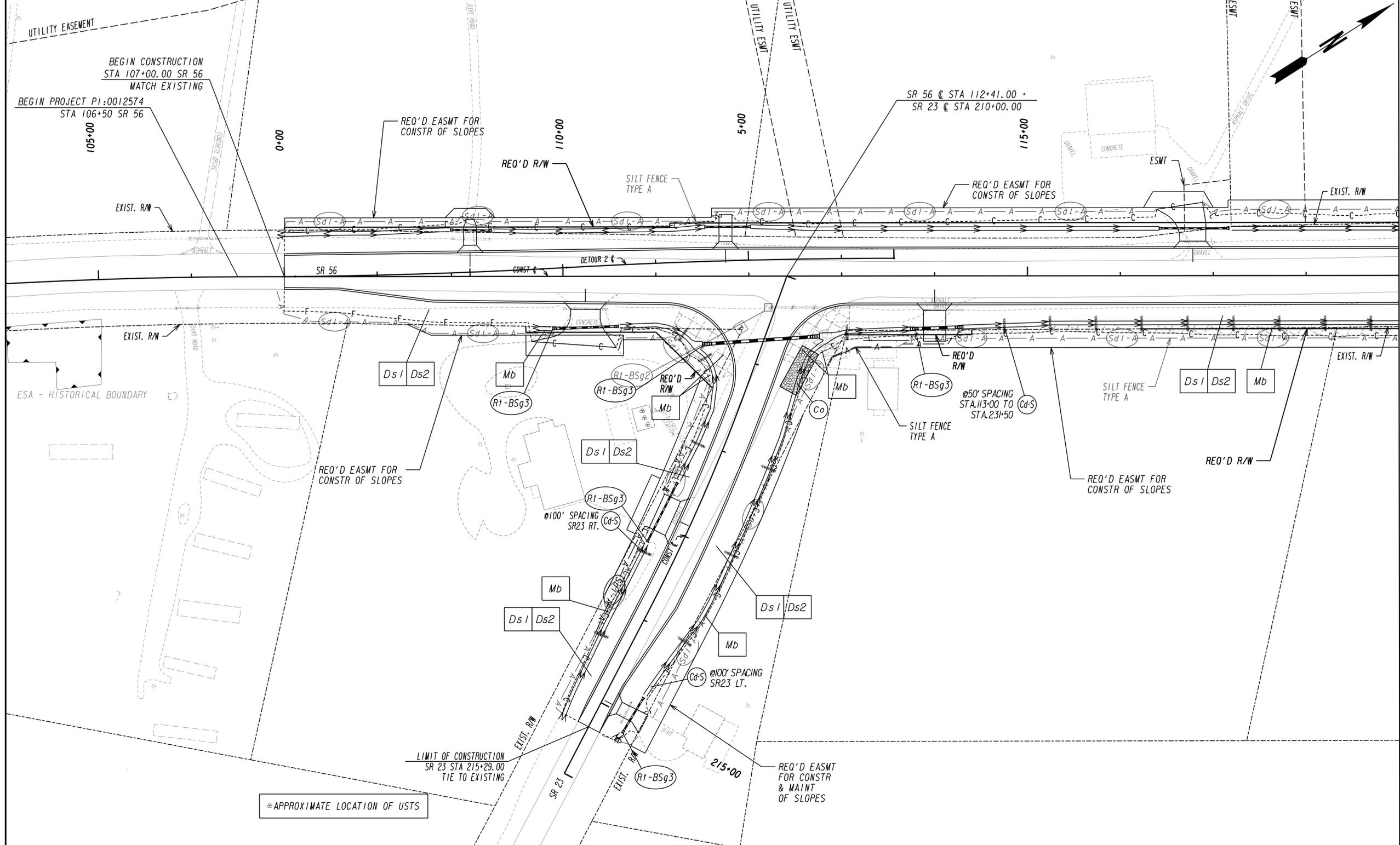
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

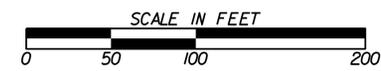
BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE I - INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-012



DRAWING No. 54-014
MATCH LINE STA. 119+00

BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

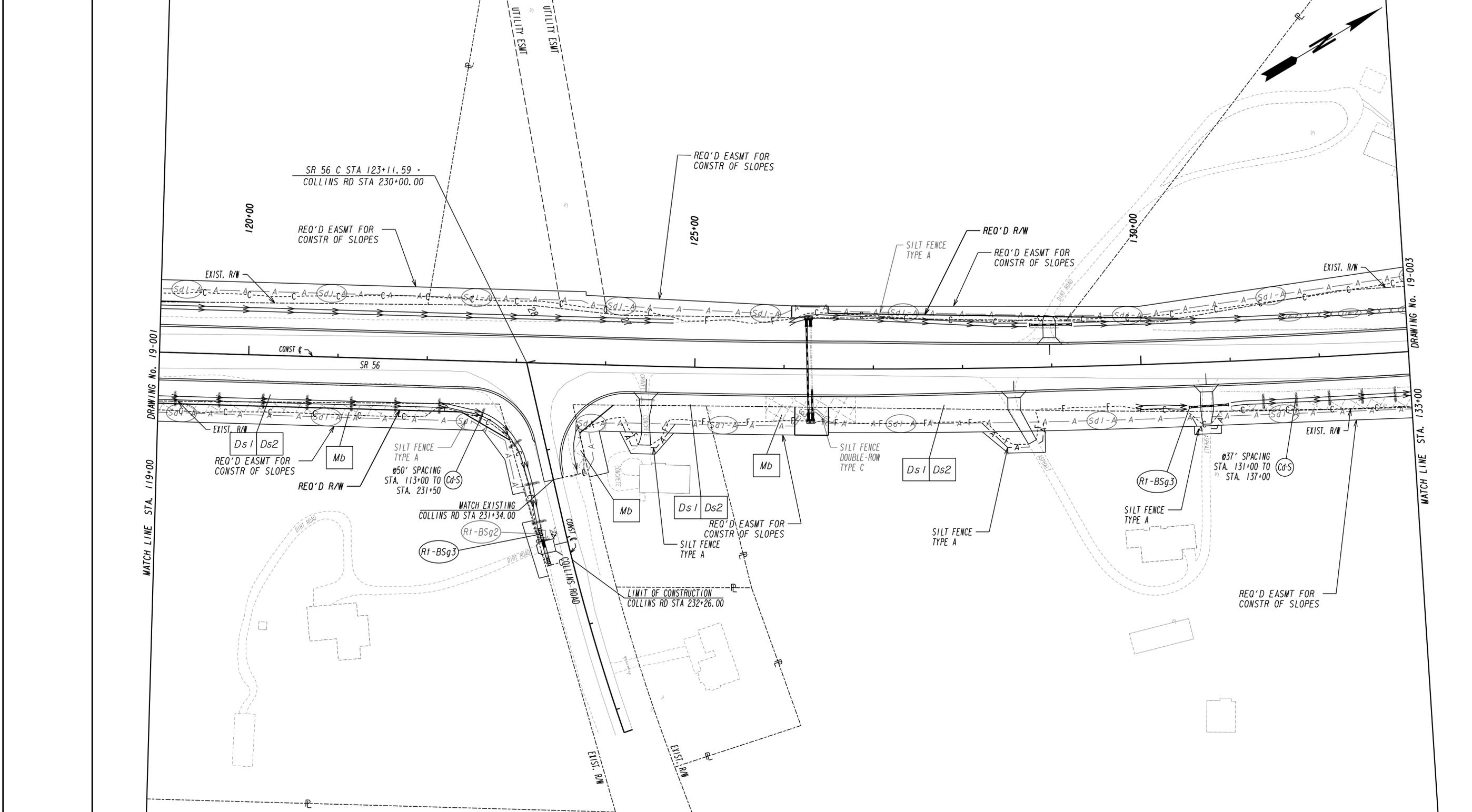
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REVISION DATES	

BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE 2 - INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-013
CORRECTED:	DATE:	
VERIFIED:	DATE:	

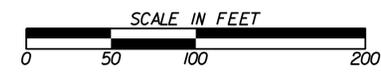


DRAWING No. 19-001
MATCH LINE STA. 119+00

DRAWING No. 19-003
MATCH LINE STA. 133+00

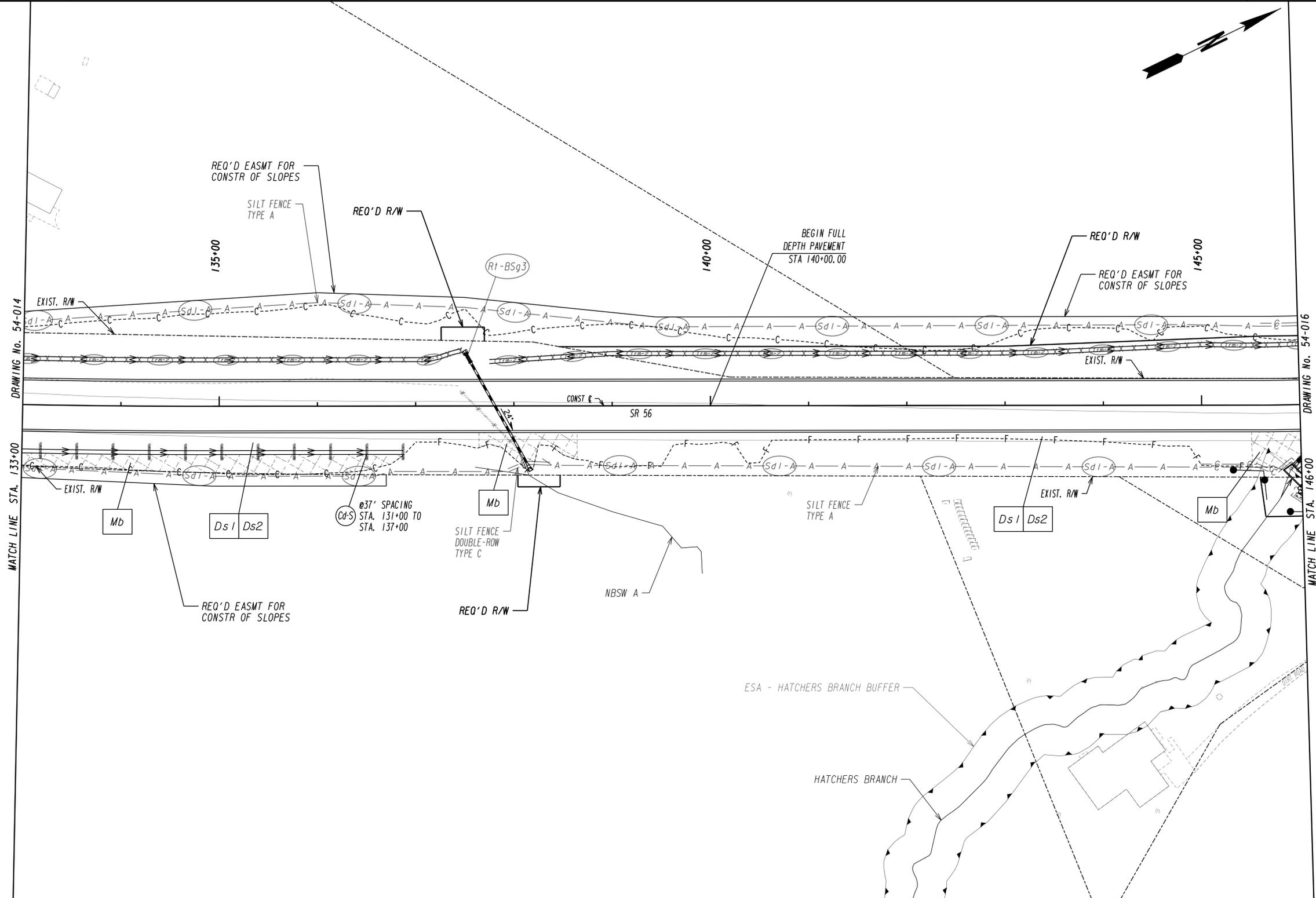
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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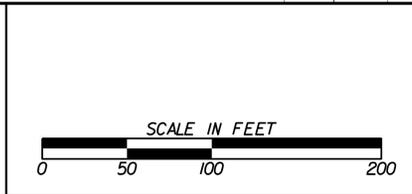
REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 2 - INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-014



BMPs SHOWN IN GRAYSSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

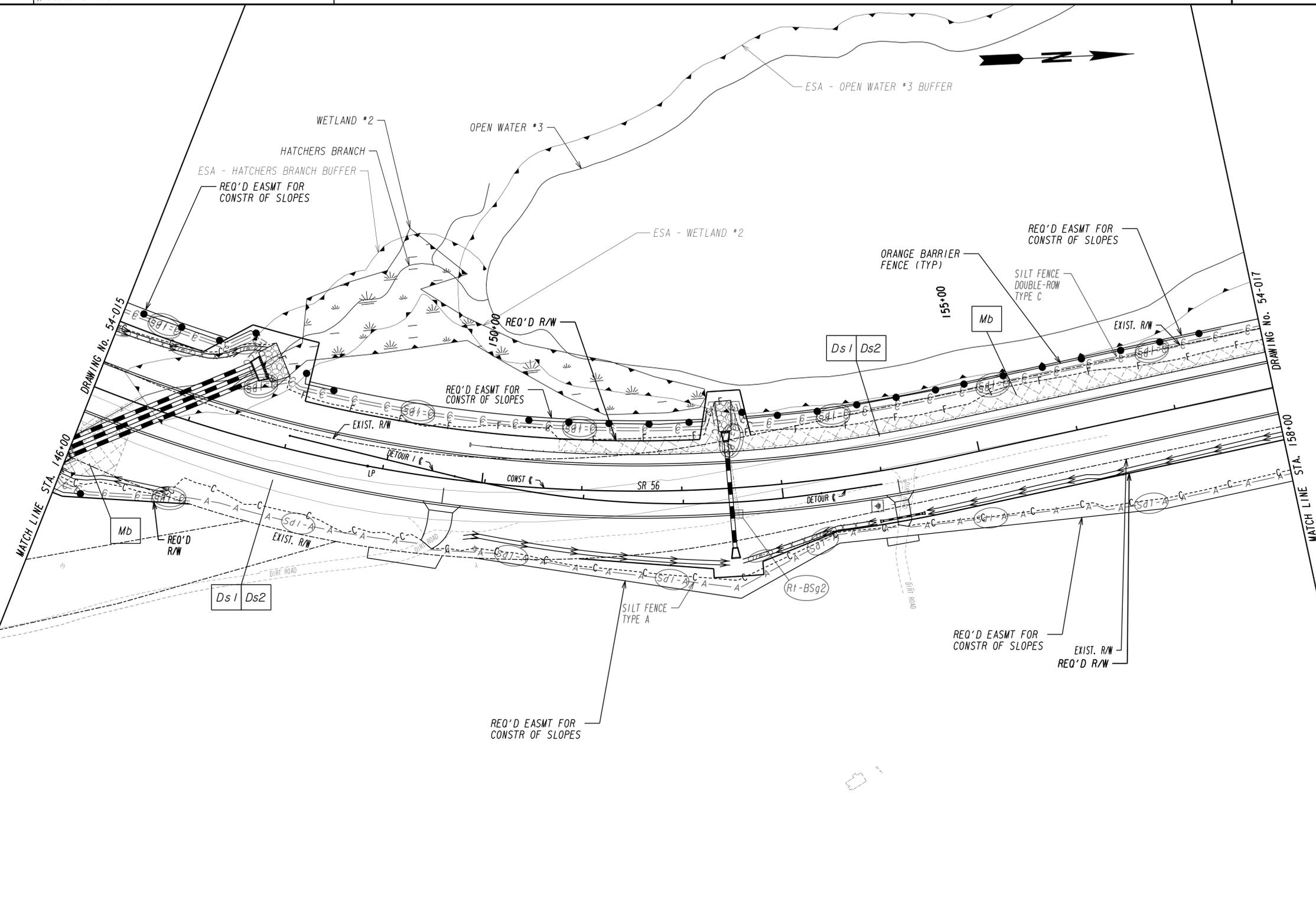
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REVISION DATES	

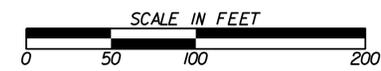
BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE 2 - INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No. 54-015
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



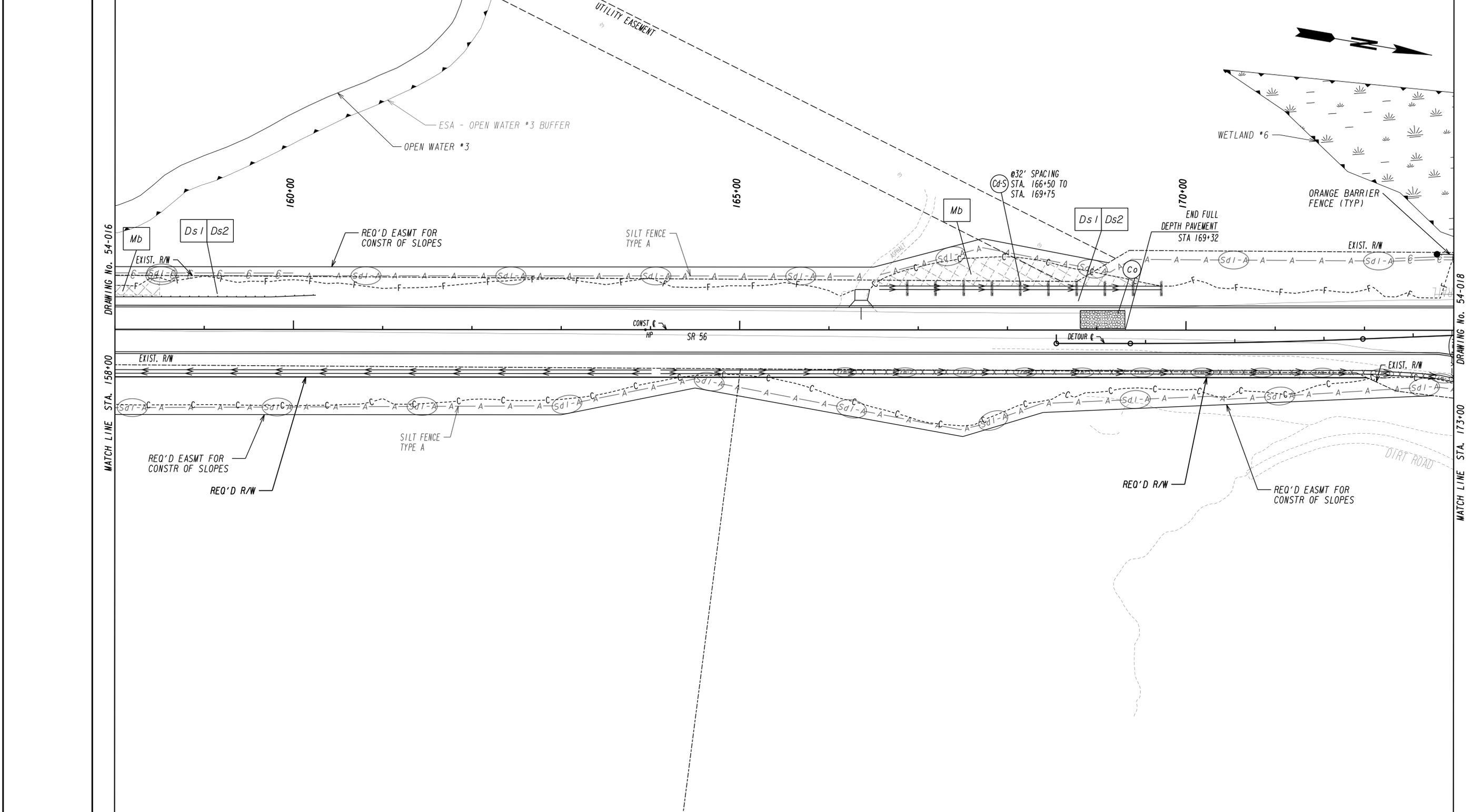
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

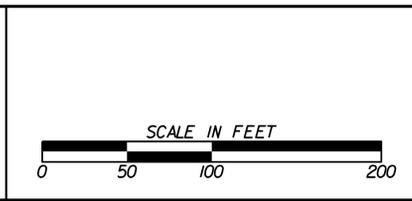
BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 2 - INTERMEDIATE PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-016



MATCH LINE STA. 158+00 DRAWING No. 54-016

BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

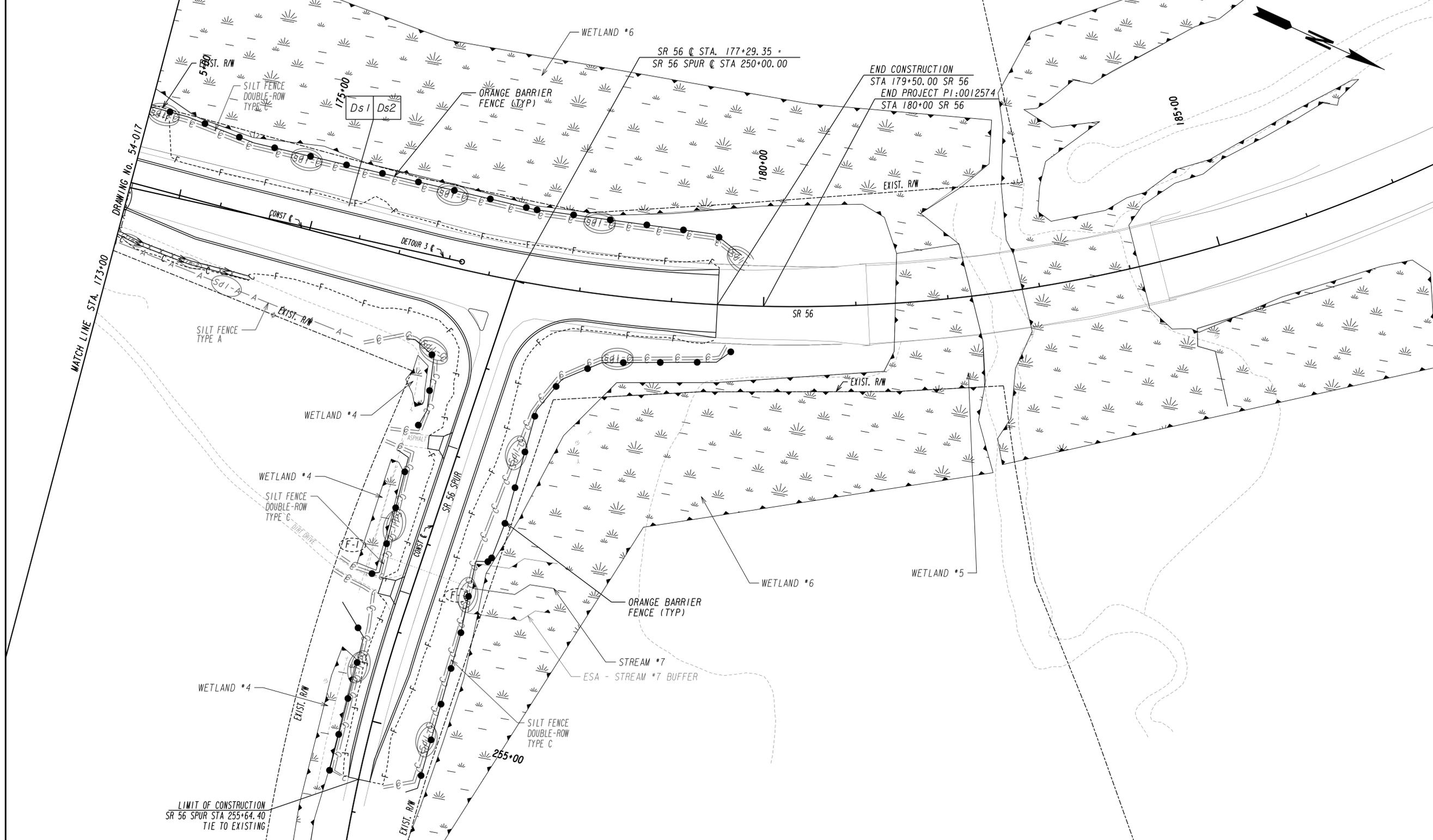
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REVISION DATES	

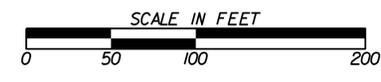
BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE 2 - INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-017
CORRECTED:	DATE:	
VERIFIED:	DATE:	



BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

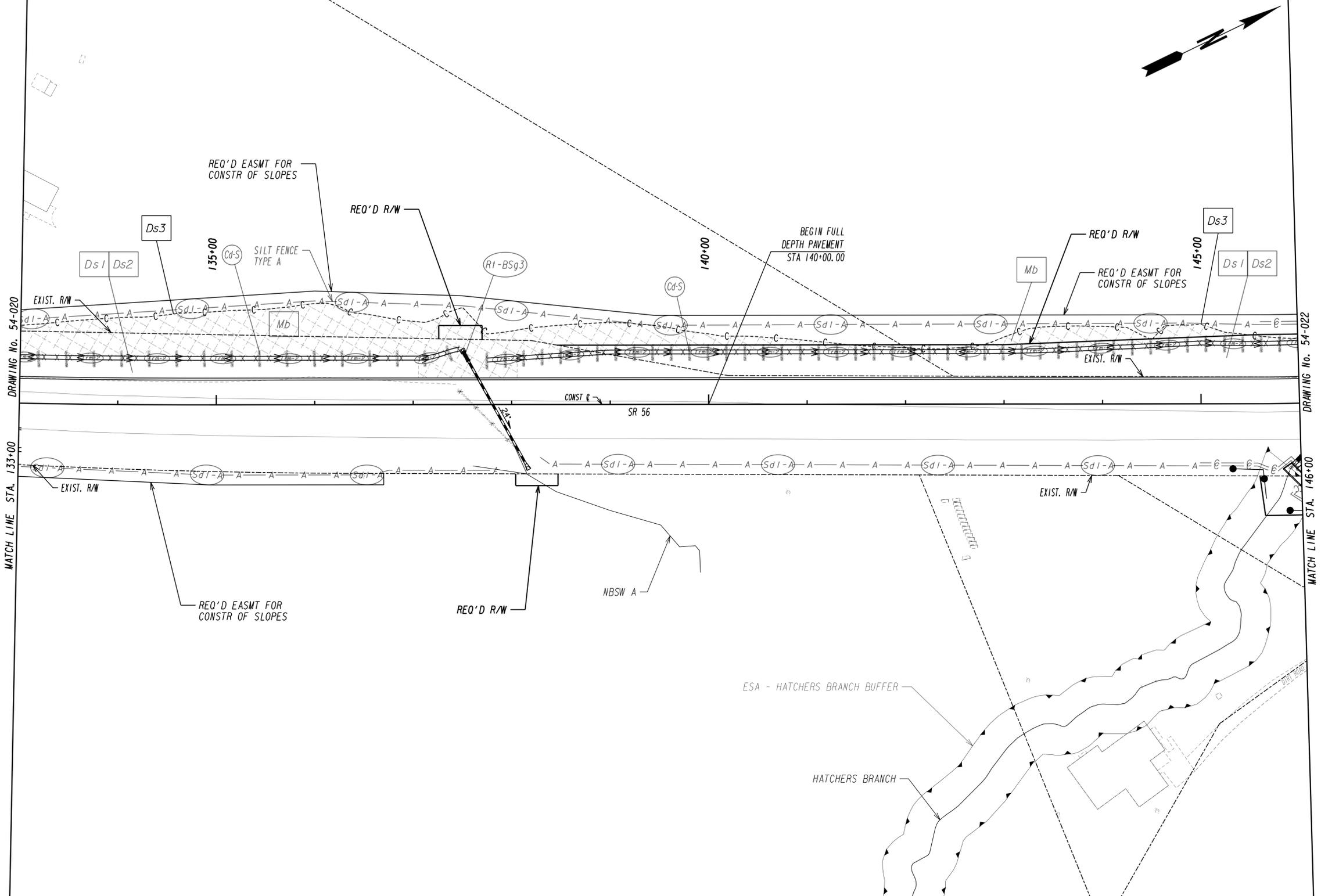
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REVISION DATES	

BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE 2 - INTERMEDIATE PHASE

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-018
CORRECTED:	DATE:	
VERIFIED:	DATE:	

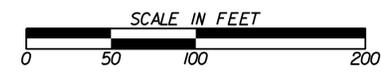


DRAWING No. 54-020
MATCH LINE STA. 133+00

DRAWING No. 54-022
MATCH LINE STA. 146+00

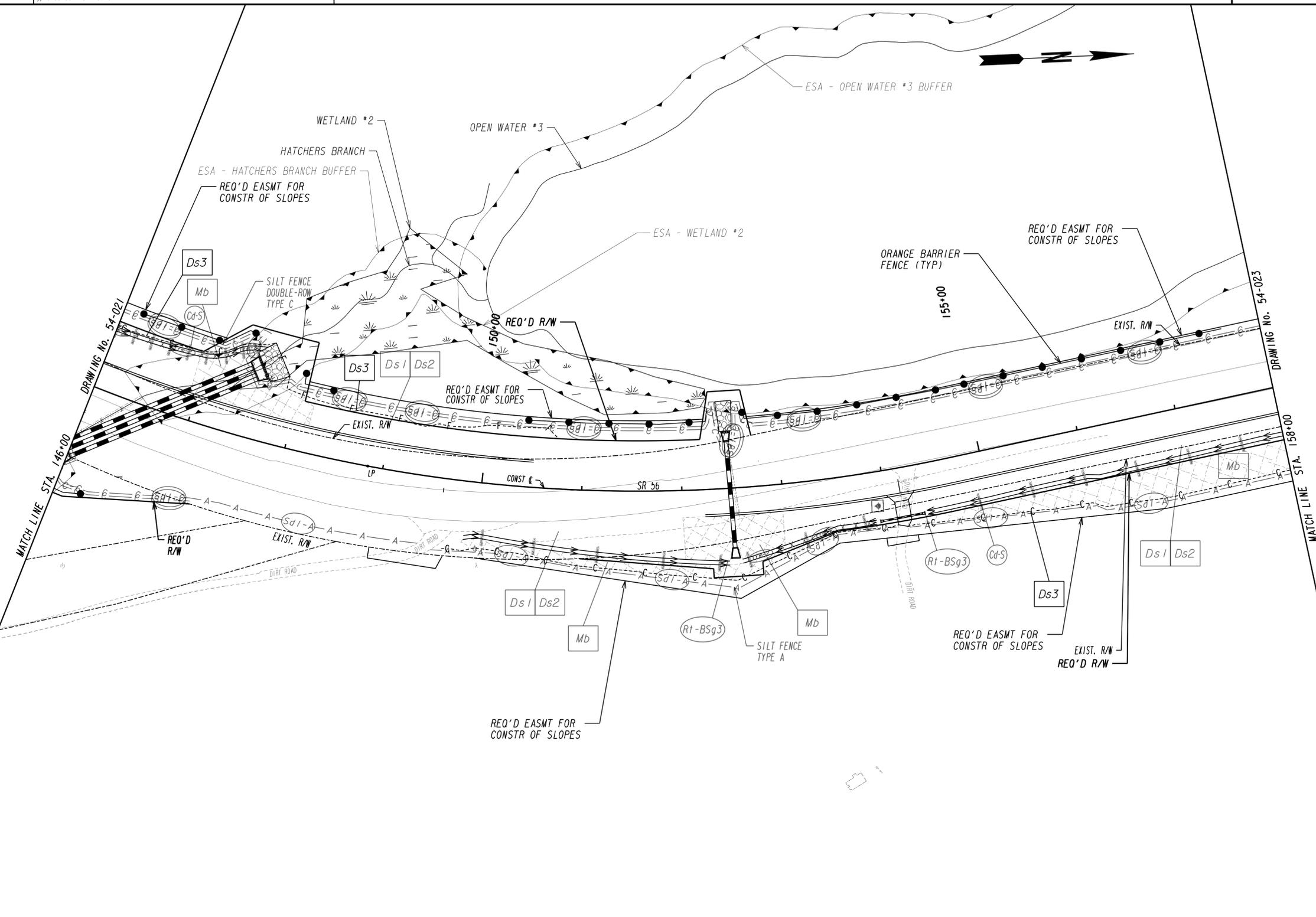
BMPs SHOWN IN GRAYSSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE I - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-021

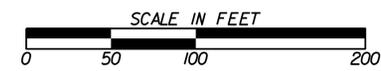


MATCH LINE STA. 146+00
DRAWING No. 54-021

MATCH LINE STA. 158+00
DRAWING No. 54-023

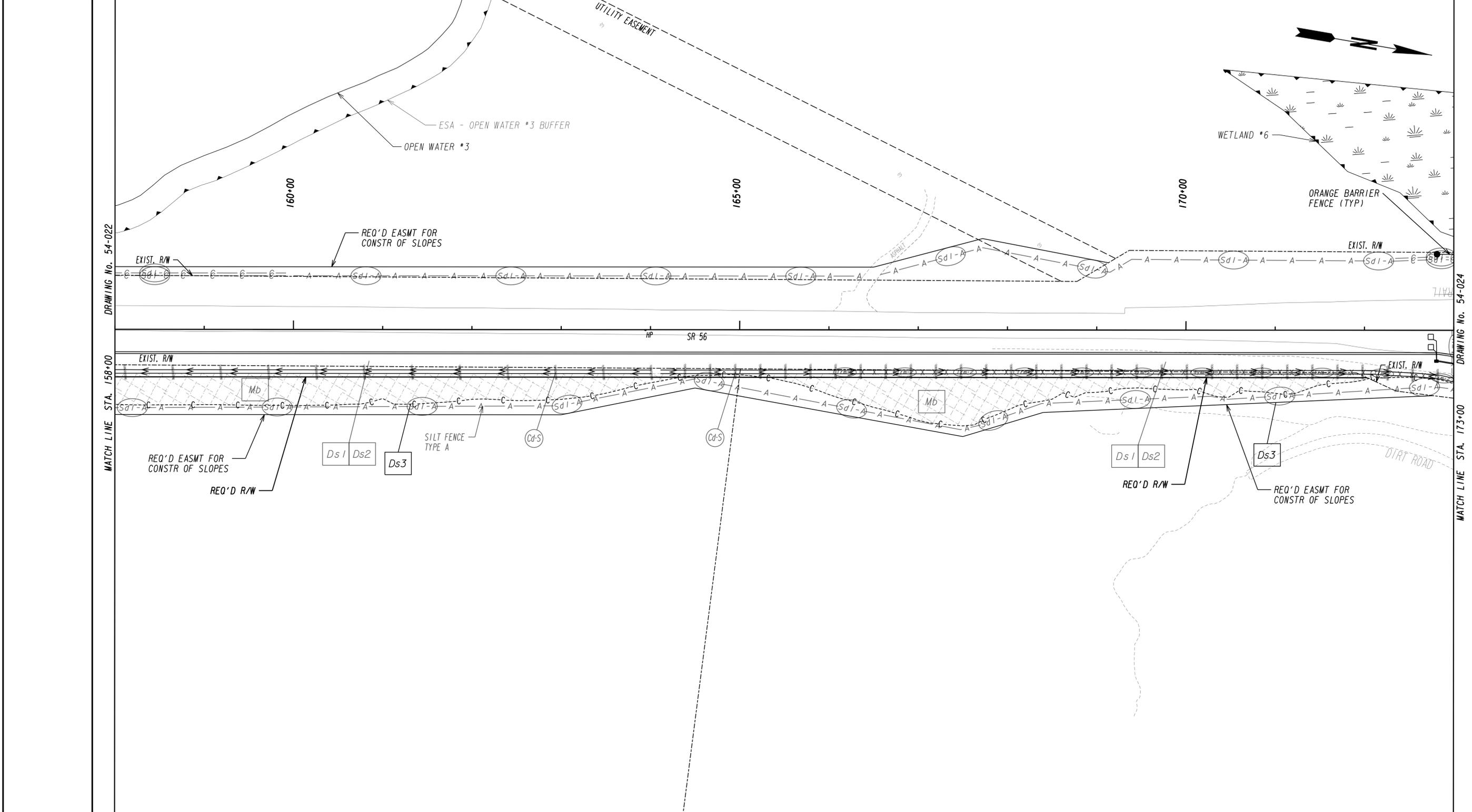
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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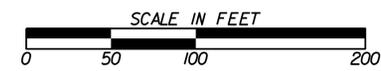
REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 1 - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-022



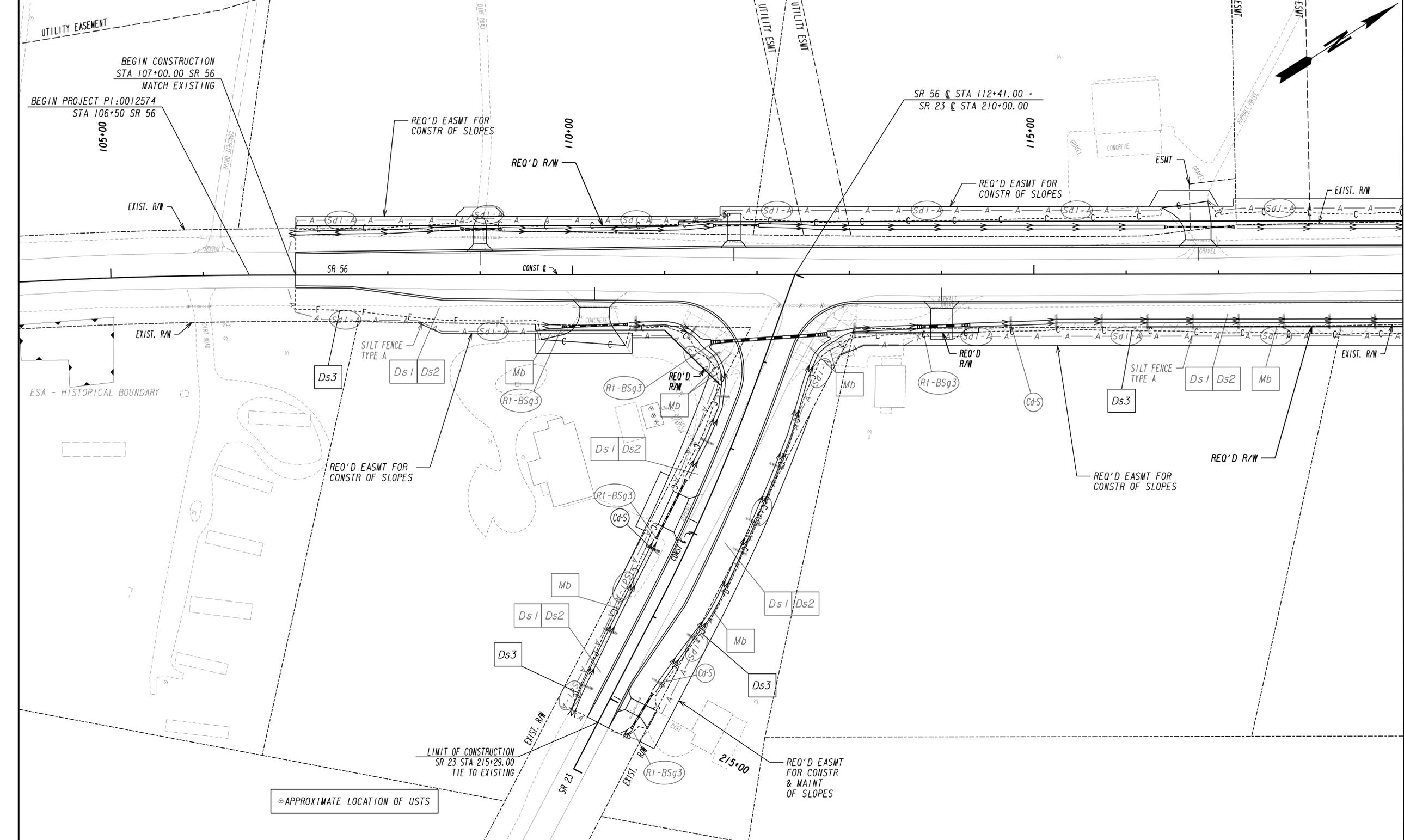
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

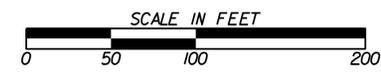
BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 1 - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-023



DRAWING No. 54-014
MATCH LINE STA. 119+00

BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

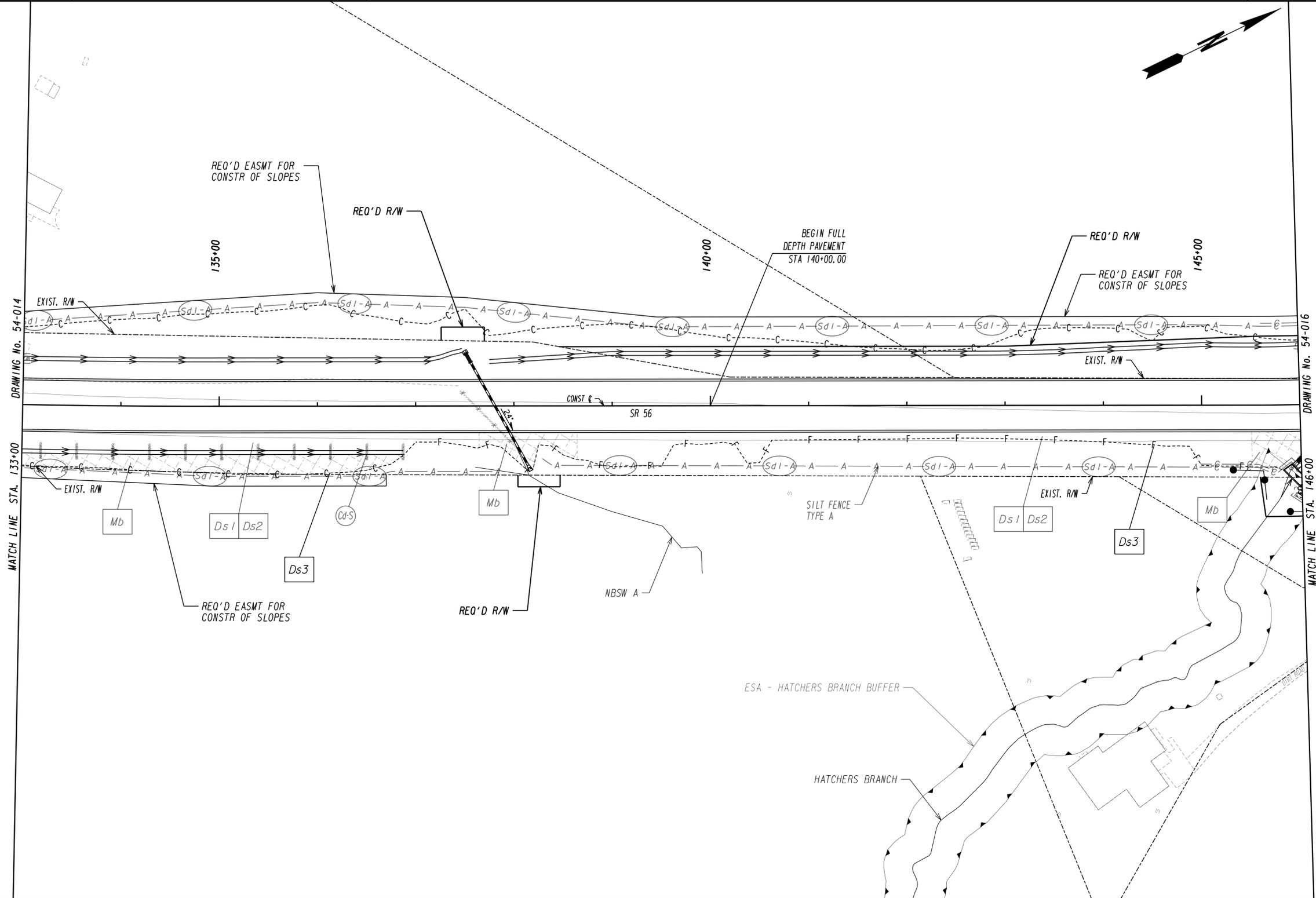
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REVISION DATES	

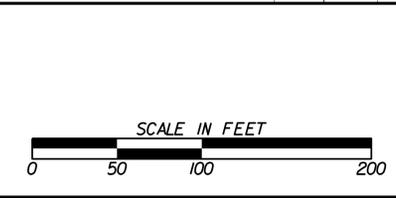
BMP LOCATION DETAILS
 SR 56 FROM BURKE COUNTY LINE TO SR 23
 STAGE 2 - FINAL PHASE

CHECKED:	DATE:	DRAWING No. 54-025
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



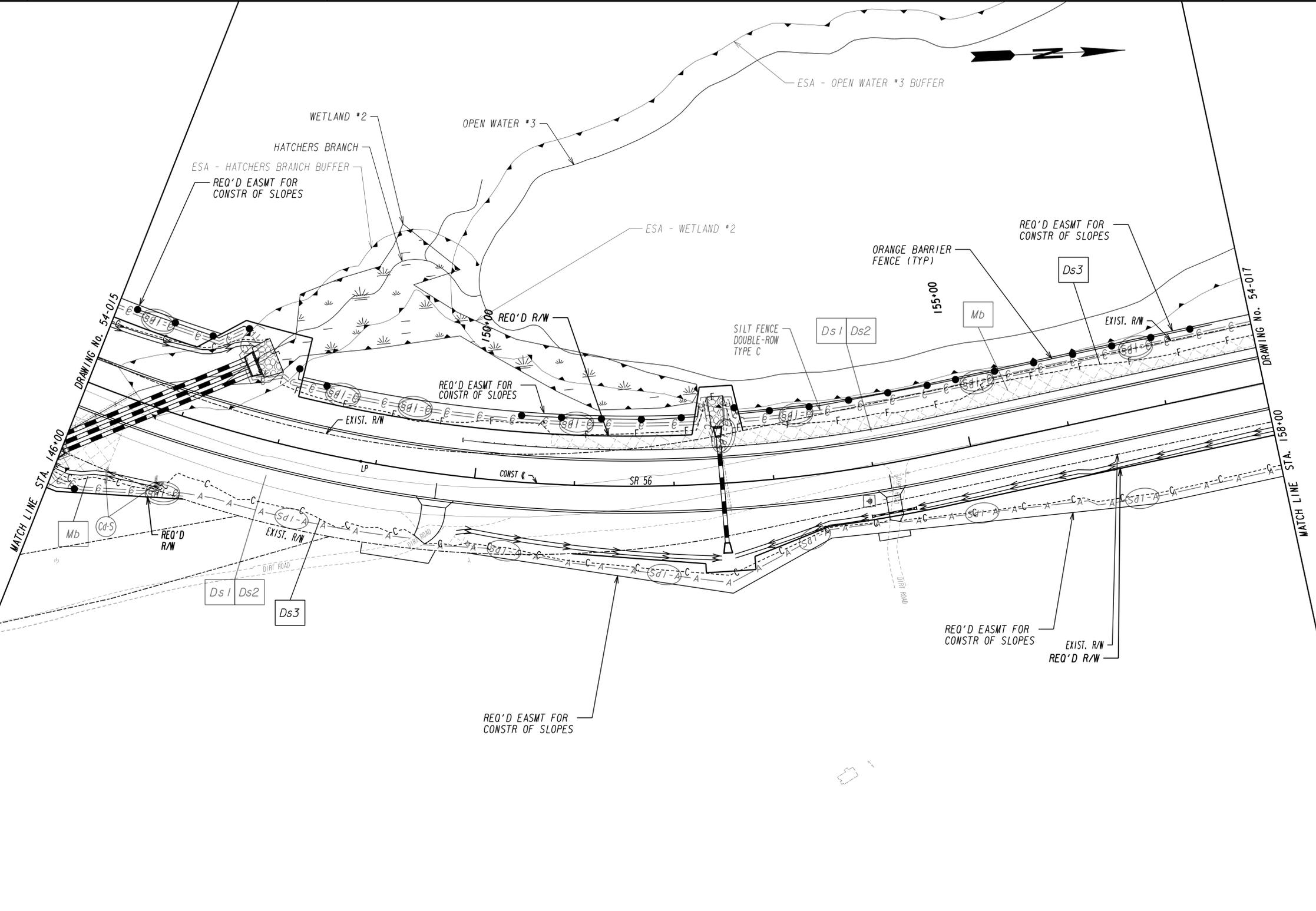
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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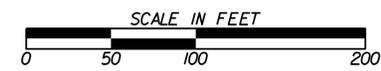
REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 2 - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-027



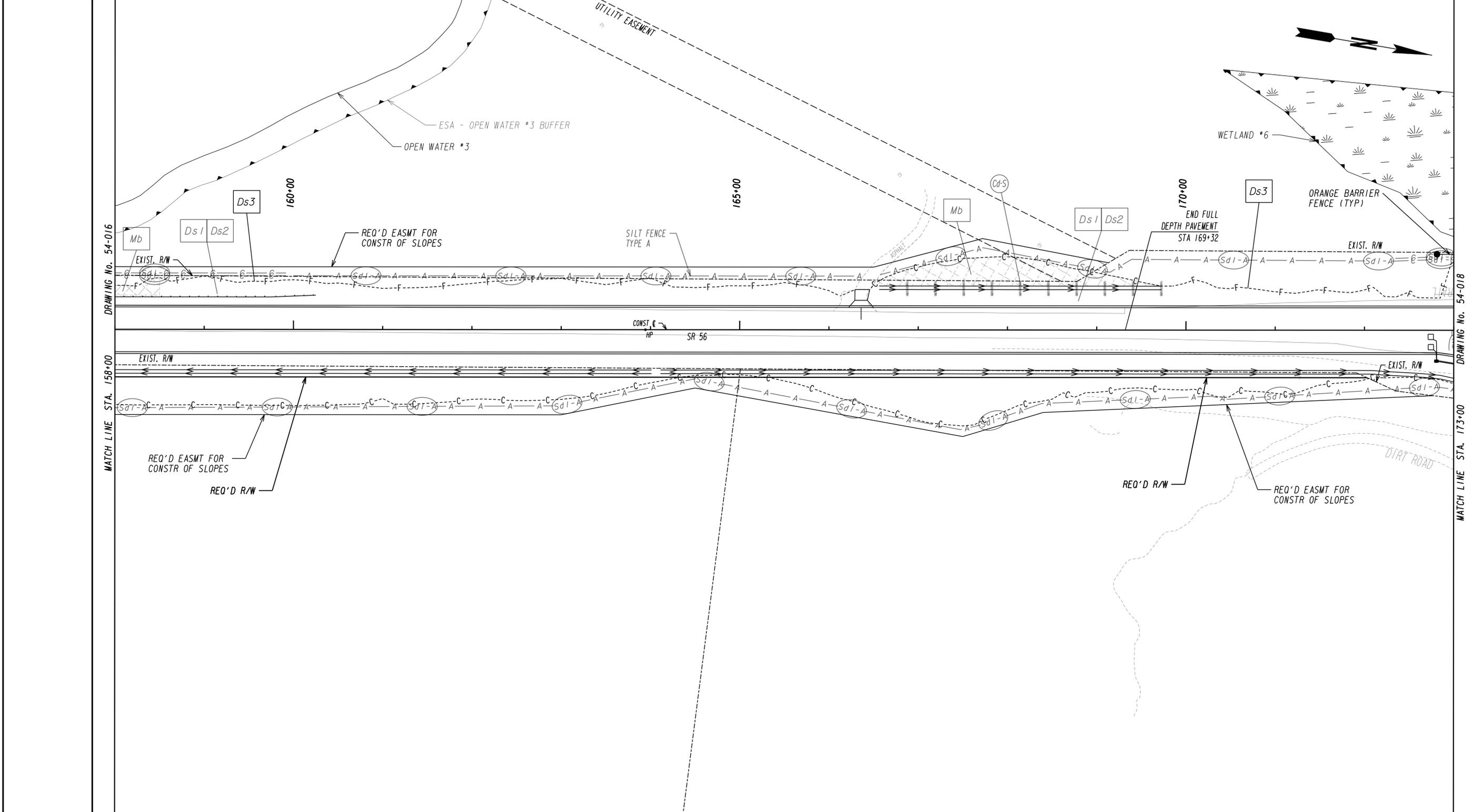
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 2 - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-028

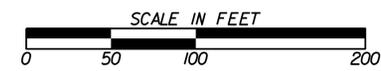


DRAWING No. 54-016
 MATCH LINE STA. 158+00

DRAWING No. 54-018
 MATCH LINE STA. 173+00

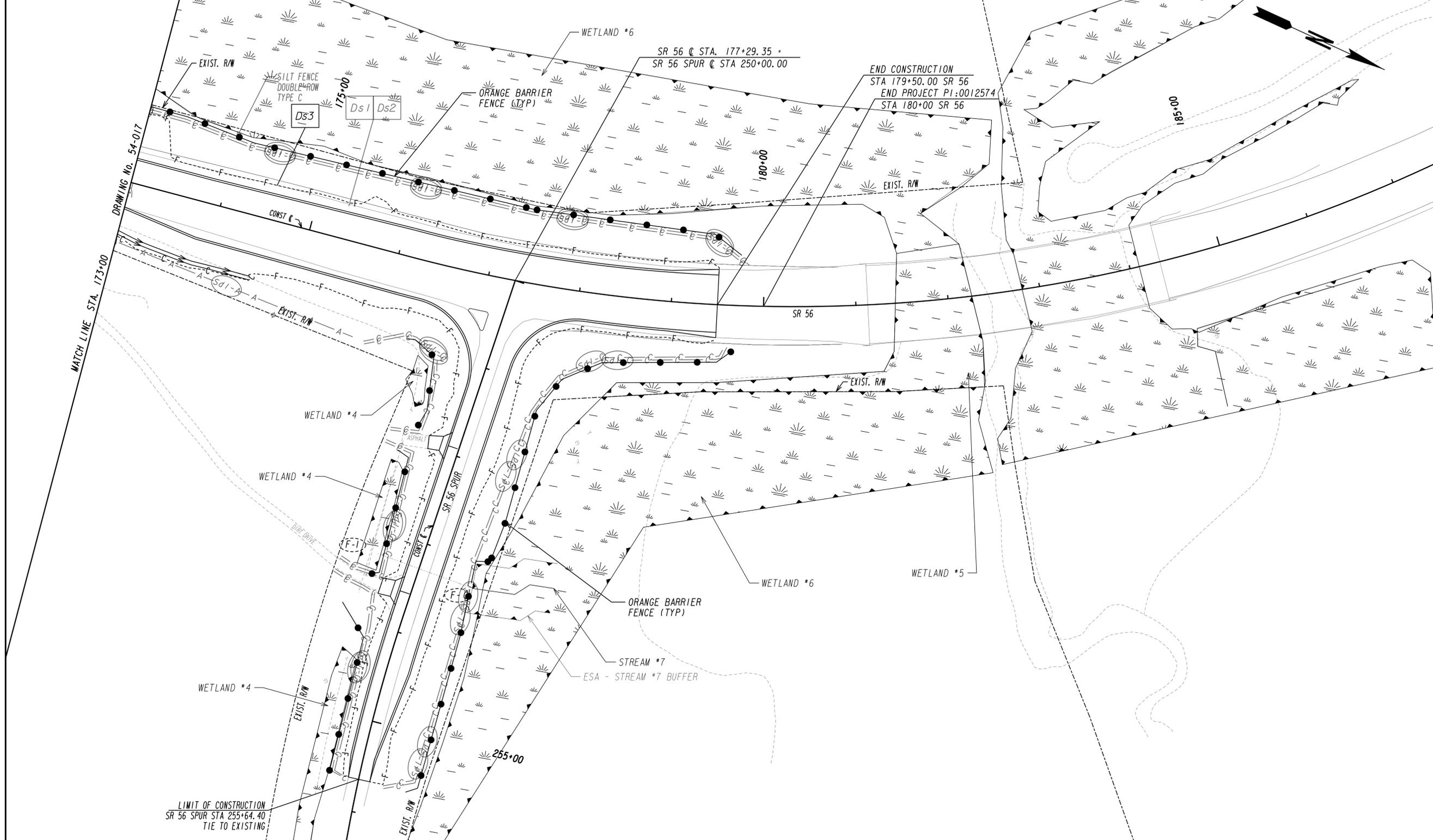
BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

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REVISION DATES	

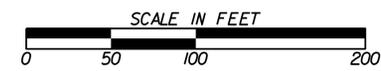
BMP LOCATION DETAILS			
SR 56 FROM BURKE COUNTY LINE TO SR 23			
STAGE 2 - FINAL PHASE			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-029



LIMIT OF CONSTRUCTION
SR 56 SPUR STA 255+64.40
TIE TO EXISTING

BMPs SHOWN IN GRAYSCALE HAVE BEEN CONSTRUCTED/INSTALLED IN PREVIOUS PHASES. REMOVE CONFLICTING BMPs AS REQUIRED.

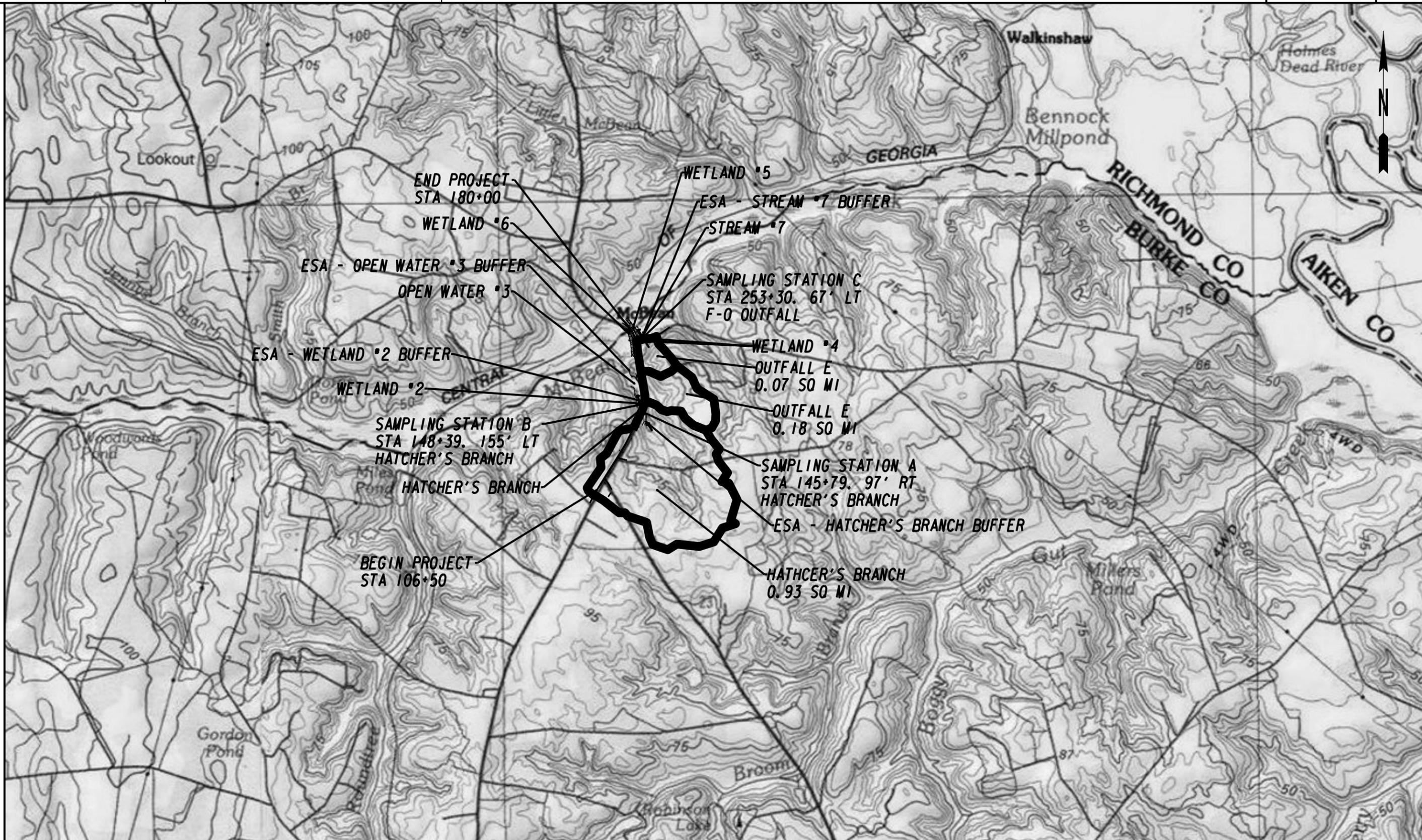
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REVISION DATES	

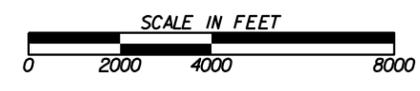
BMP LOCATION DETAILS
SR 56 FROM BURKE COUNTY LINE TO SR 23
STAGE 2 - FINAL PHASE

CHECKED:	DATE:	DRAWING No. 54-030
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



THE PROJECT HAS A TOTAL AREA OF 26.99 ACRES, AND AN EXPECTED DISTURBED AREA OF 15.17 ACRES.

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REVISION DATES	

WATERSHED MAP SITE MONITORING PLAN
 SR 56 FROM BURKE COUNTY LINE TO SR 23

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	55-001
CORRECTED:	DATE:	
VERIFIED:	DATE:	