



July 24, 2026

Martin Marietta Materials, Inc.
Attn: Jay Nivens
8701 Red Oak Blvd
Charlotte, NC 28217
Jay.Nivens@martinmarietta.com

SENT BY CERTIFIED MAIL
9214 8969 0099 9790 1428 3703 21
RETURN RECEIPT REQUESTED
AND BY ELECTRONIC MAIL

Re: Approval of Modification Application and Reclamation Plan for a Mine Operating Permit
Modification of an Individual Mine Operating Permit
Mine Permit #I-000104 | Rock Hill Quarry | York County

Dear Mr. Nivens:

The S.C. Department of Environmental Services (SCDES) has approved the modification application and reclamation plan for the Rock Hill Quarry as of the date of this letter. SCDES has received the reclamation bond submitted in the amount of \$3,910,653.00.

With the receipt of the reclamation bond and the approval of the modification application and reclamation plan, this letter serves as official notification that the Individual Mine Operating Permit for the Rock Hill Quarry is being modified as of the date of this letter. Enclosed are the permit document, reclamation plan, and mine and reclamation maps.

Should there be any questions or if we may be of further assistance, please do not hesitate to contact the project manager and inspector, Colby Myers, at 803-898-3079 or by e-mail at Colby.Myers@des.sc.gov.

Respectfully,

A handwritten signature in blue ink that reads "Jeremy E. Eddy".

Jeremy E. Eddy, P.G.
Manager, Mining & Reclamation Program

Cc: Colby Myers, Brett Caswell, Nick Hoehn, Darren Conn (MSHA) William P. Shanahan Jr. (York County),
Encl: Permit document, reclamation plan, and maps.

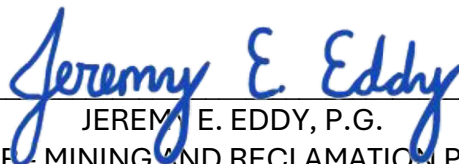


SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**

**INDIVIDUAL MINE
OPERATING PERMIT**

**Rock Hill Quarry
Martin Marietta Materials, Inc.**

Martin Marietta Materials, Inc., a corporation, has been granted a Mine Operating Permit, Mine Permit Number I-000104, to operate the Rock Hill Quarry in accordance with this Permit, the approved Reclamation Plan, the S.C. Mining Act (S.C. Code Sections 48-20-10 *et seq.*, 1976), and Regulations 89-10 *et seq.* The operator shall conduct this operation as represented in documents submitted to support the issuance of this permit.



JEREMY E. EDDY, P.G.
MANAGER, MINING AND RECLAMATION PROGRAM
DIVISION OF MINING AND SOLID WASTE MANAGEMENT

PERMIT NUMBER:	I-000104
ORIGINALLY ISSUED:	December 30, 1974
MODIFIED:	July 24, 2026



Part I: GENERAL INFORMATION

In accordance with Section 48-20-60 of the South Carolina Mining Act, this Mine Operating Permit will remain valid unless it terminates as set forth in R.89-270 or is revoked in accordance with Section 48-20-160 and R.89-280. The anticipated mining completion date is shown on the *Schedule for Conservation and Reclamation Practices* in the *Reclamation Plan*.

The approved *Permit Application*, *Reclamation Plan*, and all supplemental information referenced herein, are an integral part of this permit. *Land Entry Agreements and Mine Maps* as identified in Part II and Part V, respectively, are also a part of this permit.

CONTACT INFORMATION:

Home Office Address:	Martin Marietta Materials, Inc. 8701 Red Oak Blvd, Ste 540 Charlotte, NC 28217
Local Office Address:	Martin Marietta Materials 8701 Red Oak Blvd, Ste 540 Charlotte, NC 28217
Address for Official Mail:	Same as Home Office Address

Company personnel and title to be the contact for official business and correspondence [South Carolina Department of Environmental Services (SCDES) should be notified in writing immediately of any change in contact, address, telephone or e-mail]:

Jay Nivens	Telephone: 704-409-1475
Regional Manager	Email: jay.nivens@martinmarietta.com

LOCATION: The mine is located on the Rock Hill, West, SC U.S.G.S. 7.5' Topographic Map. The approximate geographic coordinates for the site are:

Latitude: 34.89276052

Longitude: -81.00875883

LOCATION DESCRIPTION: The operation is located in York County, approximately 3.0 mile(s) southeast of Rock Hill, S.C. Specifically, the site is located 0.5 miles west of exit 75 of I-77.

Part II: PERMITTED LAND

This permit allows Martin Marietta Materials, Inc., also referred to as the operator, to conduct mining operations within the permitted land as defined through the *Land Entry Agreement* submitted as part of the application. Permitted land as defined by Section 48-20-40(18) is "the affected land in addition to (a) lands identified for future mining to become affected land; (b) and undisturbed or buffer area that is or may become adjacent to the affected land." Therefore, this permit grants the operator the right to conduct active mining operations within the specified affected land, delineate land for future mine areas as future reserves, and to establish undisturbed buffer zones to mitigate any adverse effects to the surrounding environment.

AFFECTED LAND: 554.3 acres of land are to be affected by Martin Marietta Materials, Inc. under the current mine plan; 554.3 of the affected acres are currently bonded. The affected acres are derived from the operator's response in the *Application for a Mine Operating Permit* and are shown on the approved mine map(s).

FUTURE RESERVES: 42.1 acres are identified as future reserves and are specified on the mine site map. Prior to the initiation of activity in future reserves, the operator shall submit detailed mine and reclamation plans to SCDES for approval.

BUFFER AREAS: 141.9 acres are identified as buffer area, setbacks, or areas that will not be disturbed beyond the pre-mine natural state. These buffer areas are identified on the mine site map. Acres designated as buffer areas are not bonded under the reclamation bond. Any activity within the buffer areas (e.g. removal of timber) shall require **prior** notification and approval by SCDES.

TOTAL PERMITTED AREA: 738.3 acres as submitted on the *Land Entry Agreement(s)*.

LAND ENTRY AGREEMENTS: The operator is required to furnish and maintain up-to-date *Land Entry Agreements* on all lands covered under this permit. Any change in ownership on any portion of land covered by this permit, the operator is responsible for furnishing the appropriate and completed *Land Entry Agreements* (Forms MR-600 or MR-700) to SCDES within 30 days of the change of ownership.

Land Owner(s) as Listed on *Land Entry Agreement(s)*:

TMS #: 6220000013, Martin Marietta Materials Real Estate Investments, Inc.

Total acres of the contiguous tract(s) of land for which the permit is granted:

OWNED 0.0 LEASED 738.3 TOTAL 738.3

Part III: FINANCIAL ASSURANCE FOR RECLAMATION

The financial assurance for reclamation is based upon the total affected acres. Pursuant to Section 48-20-70 and R.89-200, the financial assurance for this mining permit is set at \$3,910,653.00. The financial assurance shall remain in force and continuous throughout the life of the mining operation and shall only be released, partially or in full, back to the operator after the operator has completed reclamation in accordance with the approved *Reclamation Plan* and the minimum standards in R.89-330.

Part IV: MINE OPERATIONS

Martin Marietta Materials, Inc. is permitted to mine Granite at the Rock Hill Quarry. The maximum depth of the pit floor shall not be below 100 feet mean sea level (to an approximate elevation of 400 feet below ground surface as measured from the lowest ground surface elevation). Mining will take place on tracts of land leased by the referenced operator. These tracts of land are identified in the submitted *Land Entry Agreements* (LEAs).

MINE/PIT CHARACTERIZATION:

The granite will be excavated, processed, and stockpiled on site. Ground clearing will be accomplished by dozer, excavator, loader and haul trucks. Removed overburden will be placed in permanent storage areas at locations designated on the mine map. The exposed granite will be drilled, explosives loaded, and blasted to fragment the stone into manageable sizes to facilitate loading in haul trucks and crushing by the primary crusher. Stone passing through the primary crusher will be transported to the processing plant by trucks for further processing.

PROCESSING PLANT LOCATED ON MINE SITE:

The processing plant will consist of primary and secondary crushers, screens, conveyors, and loading and hauling machines. Waste screenings and other fines from crushing, washing, and screening the crushed stone will be stockpiled around the plant site or placed in overburden storage areas.

MINE DEWATERING:

Due to groundwater seepage from natural fractures/joints in the host rock, quarry dewatering will be necessary when the pit floor extends below the water table. Additionally, where feasible, stormwater runoff shall be diverted into the pit, collected into the sump, and discharged in the same manner as groundwater. Any accumulation of groundwater and stormwater shall be pumped into a sediment basin prior to discharge. Water discharged from the mine to a receiving stream must be discharged through an outfall regulated by an NPDES permit.

If an operator receives a complaint concerning adverse impacts to neighboring wells, the operator is to notify SCDES's Manager of the Mining and Reclamation Section, Columbia, SC, within 24 hours. After investigation, if SCDES determines dewatering activities at the mine are affecting a drinking water well or water supply well, the operator shall be responsible for repairing, deepening, or re-drilling such wells. Until that permanent water supply is re-established, the operator shall supply the owner with a temporary water supply (e.g., bottled water for drinking, provisions for laundry).

Active pumping and discharge of water shall cease if the dewatering discharge causes flooding conditions to property downstream of the mine site.

BLASTING:

Blasting is permitted at this site. Blasting activities shall be conducted in accordance with R.89-150.

Pursuant to R.89-150A., the operator shall conduct a pre-blast survey on inhabited structures within one-half mile of any blasting, prior to the commencement of any blasting activities. The survey shall be completed by a third-party consultant and a copy of the report sent to SCDES, the operator, and the landowner. Upon review and approval, SCDES will then grant permission to begin blasting activities.

Pursuant to R.89-150J., the operator shall report any suspected incident of flyrock outside of the permitted area resulting from blasting operations. Pursuant to R.89-150E., the operator shall report if the peak particle velocity exceeds one (1.0) inch per second at the immediate location of any dwelling not owned by the operator (or where a waiver of damage has been submitted to SCDES). These incidents shall be reported to SCDES within 24 hours of the blast, and a written report shall be submitted to SCDES within five (5) business days.

Pursuant to R.89-150H., the operator shall maintain a minimum distance of 250 feet from contiguous property boundaries when conducting blasting. Additionally, pursuant to R.89-150I., the operator shall maintain a minimum distance of 250 feet and as shown on the approved mine map between the nearest point of blasting and any structures not owned by the operator or where a waiver of damage has been submitted to SCDES.

The operator shall assume that all offsite structures are occupied while blasting and shall use a factor of safety of four (4) times the maximum throw.

NOISE MONITORING AND CONTROL:

The operator shall use Best Management Practices (BMPs) to minimize noise from the mine site. These noise BMPs shall include, at a minimum, proper maintenance of mufflers on equipment (trucks, trackhoes, pumps, etc.) and consideration of special buffering measures if planning to operate equipment during nighttime hours.

OTHER STATE OR FEDERAL PERMITS:

The operator must obtain, maintain, and update, as appropriate, all necessary State and Federal permits in order to construct and operate the mine.

Part V: MAPS

The mine site map was prepared by Martin Marietta Materials, Inc. This map is further identified with the following SCDES map number and is part of the operating permit:

SM-0104-1V6 Mine Map

Dated: March 16, 2026

The reclamation map was prepared by Martin Marietta Materials, Inc. This map is further identified with the following SCDES map number and is part of the operating permit:

RM-0104-1V6 Reclamation Map

Dated: March 16, 2026

Part VI: PROTECTION OF NATURAL RESOURCES

MINE SITE AND SURROUNDING AREA:

Prior to mining activities, this site's land use type was undeveloped; the immediate area around this site is residential. The topography of this area is moderately variable (i.e., several hills and dales), with surface elevation ranging from 500 - 600 ft. MSL. Taylor Creek runs along the southeast edge of the permitted property. There is an asphalt plant located adjacent to the permitted property, to the north of the quarry office. A second asphalt plant is located at the intersection of Hawkfield Road and Porter Road. Both plants are located on property owned by Martin Marietta Materials. The nearest residential structure is located approximately 50ft west from the permitted area. Interstate 77 is located approximately 0.5 miles southeast of the site.

PUBLIC SAFETY:

A gate shall be installed at the entrance to the mine site and kept locked during inactive periods. *Warning* and/or *Danger* signs shall be posted around the perimeter of the property. In the future, if determined to be necessary by SCDES, an appropriate fence shall be installed around the affected area.

Operator shall use BMPs to prevent accumulation of sediment/soil on public roads carried by trucks and other vehicles exiting the mine site; any accumulations shall be removed by the operator on a daily basis or more frequently if needed. To reduce the potential of trackout on public roads, the operator shall construct a paved road that extends the width of the haul road and stretches a minimum of one hundred (100) feet in length.

The operator shall establish a protected area or establish procedures to minimize fuel spillage or incidental spillage of other petroleum products during storage, refueling of equipment or in the performance of routine maintenance on equipment. Contaminated materials resulting from contact with petroleum products shall be removed from the site and disposed of properly to prevent contamination to ground and surface water resources.

To maintain stable mine walls, the unconsolidated saprolite shall be sloped to a stable configuration no steeper than 2H:1V during active mining. Per the Mine Safety Health Administration (MSHA) requirements, the hard rock pit walls shall be benched to maintain stability and provide safety.

PUBLICLY-OWNED PARKS, FORESTS, OR RECREATION AREAS:

Blackjacks Heritage Preserve is located along the western border of this site. In order to prevent an adverse effect on publicly owned land, the operator shall maintain a 100ft. undisturbed buffer along the border between the mining activity and the public land.

WETLANDS AND SURFACE WATER AREAS:

Taylor Creek is located southeast of the mine site.

The operator shall maintain a minimum 75ft. undisturbed buffer between all land disturbance activity and any USACE jurisdictional wetlands. This buffer shall be permanently flagged prior to the initiation of any mine activity. The flags shall be maintained throughout the active mine operation of the site. The operator is allowed to discharge accumulated stormwater—that meets NPDES permit limits—into wetlands through a permitted NPDES outfall.

For the wetland buffer directly north of the plant and stockpile area, a 6ft tall berm shall be constructed and maintained. In the future, if determined to be necessary by SCDES, additional BMPs shall be installed on the mine side of the existing wetland buffer areas.

The operator shall comply with the NPDES General Permit for Non-metallic Mineral Mining and Stormwater Pollution Prevention Plan developed for the mine.

SIGNIFICANT CULTURAL OR HISTORICAL SITES:

A report, entitled *Archaeological Survey Rock Hill Quarry Expansion, York County, South Carolina*, dated October 2021, was submitted to SCDES and the S.C. State Historic Preservation Office. No significant cultural or historical sites have been identified.

If archaeological materials are encountered prior to or during the construction of mine facilities or during mining, the S.C. Department of Archives and History, and SCDES should be notified immediately. Archaeological materials consist of any items, fifty years or older, which were made or used by humans. These items include, but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, oyster shell, worked wood, bone and stone, metal and glass objects, human skeletal remains, and concentrations of charcoal and stones below the ground surface. These materials may be present on the ground surface and/or under the surface of the ground.

WILDLIFE:

Common wildlife typical to this area can be found in and around this site. A report, entitled *Listed Species Survey Report*, dated September 2024, was submitted to SCDES and the S.C. Department of Natural Resources.

This site contains suitable habitat for the Tricolored Bat (*Perimyotis subflavus*), the Dwarf-flowered Heartleaf (*Hexastylis naniflora*), and the Schweinitz's sunflower (*Helianthus schweinitzii*).

Please see Part X: *Additional Terms and Conditions* #2-4 for additional information related to the protection/relocation of these species.

VISUAL SCREEN:

To appropriately screen the operation from view, the operator shall maintain a minimum 50ft. undisturbed buffer between mining activity and property lines, as shown on the mine map. A vegetated earthen berm or brush barrier shall be constructed and maintained on the mine side of this undisturbed buffer.

ACID WATER GENERATION:

Acid water is not anticipated to be generated from the oxidation of existing minerals currently found on this site.

AIR QUALITY:

The mine operator will use appropriate measures (e.g. water truck, dust suppressants) to control fugitive dust created by moving equipment along haul roads. The operator, where feasible, shall establish vegetation in non-active mine areas barren of vegetation to stabilize the soil and reduce potential for wind erosion and dust emissions.

Part VII: STANDARD CONDITIONS OF MINE OPERATING PERMIT

SURVEY MONUMENTS:

In accordance to R.89-130, the operator shall install and maintain the two required permanent survey monuments, or control points, within the permitted area as shown on the mine site map. At the discretion of SCDES, the operator may be required to mark the area to be affected with flagging or other appropriate measures.

RIGHT OF ENTRY:

Pursuant to Section 48-20-130 and R.89-240, the operator shall grant SCDES and/or duly appointed representatives access to the permitted area for inspection to determine whether the operator has complied with the reclamation

plan, the requirements of this chapter, rules and regulations promulgated hereunder, and any terms and conditions of this permit.

RECORDS RETENTION:

All records are to be maintained through additional terms and conditions of this permit or by regulations. Records shall be kept on site or at the office identified for receipt of official mail and open for inspection during normal business hours. The records shall be maintained for a minimum of three (3) years or as specified by SCDES. The operator shall furnish copies of the records upon request to SCDES.

PERMIT MODIFICATIONS:

Pursuant to Section 48-20-80, the operator may modify the permit and/or *Reclamation Plan* upon approval by SCDES. Requests for permit and/or *Reclamation Plan* modifications may be made to SCDES on Form MR-1300. The operator shall submit any requested supporting data for consideration during SCDES's evaluation of the modification request. If a modification request is determined to be substantial by SCDES, the modification request will be public noticed pursuant to R.89-100 and a modification fee will be required as specified in R.89-340. If SCDES determines activities proposed under the *Reclamation Plan* and other terms and conditions of the permit are failing to achieve the purpose and requirements of the S.C. Mining Act and Regulations, SCDES shall notify the operator of its intentions to modify the permit and/or *Reclamation Plan* pursuant to Section 48-20-150.

TRANSFER OF PERMIT:

Pursuant to Section 48-20-70, this permit may be transferred to another responsible party. The transfer of the permit must be conducted in accordance with R.89-230. The transferor of the permit will remain liable for all reclamation obligations until all required documents, plans, and the replacement reclamation bond have been submitted and approved by SCDES. The transfer will be considered complete when all parties have received notification by certified letters of the approval of the transfer by SCDES.

DURATION OF MINE OPERATING PERMIT:

In accordance with Section 48-20-60, this Mine Operating Permit will remain valid unless this permit terminates as set forth in R.89-270 or is revoked in accordance with Section 48-20-160 and R.89-280. The proposed anticipated mining completion date is shown on the *Schedule for Conservation and Reclamation Practices* in the *Reclamation Plan*.

Pursuant to R.89-80(B), the operator shall conduct reclamation simultaneously with mining whenever feasible. Reclamation shall be initiated at the earliest practicable time, but no later than 180 days following termination of mining of any segment of the mine, and shall be completed within two years after completion or termination of mining on any segment of the mine.

Part VIII: ENFORCEMENT ACTIONS

Pursuant to Section 48-20-30 of the S.C. Mining Act, "SCDES has ultimate authority, subject to the appeal provisions of this chapter, over all mining, as defined in this chapter, and the provisions of the chapter regulating and controlling such activity." This allows SCDES to assist, cooperate with, or supersede other State agencies in taking enforcement action on violations of the State Regulations or violations of the S.C. Mining Act to ensure the purposes of this Act are enforced.

The operator shall comply at all times with all conditions of this mine operating permit. Non-compliance with this mining permit, statute, or regulations could lead to permit revocation and bond forfeiture pursuant to Sections 48-20-160 and 48-20-170 or other enforcement action allowed by law.

Compliance with the Mine Operating Permit requires the operator to conduct the mining operation as described in the approved *Application for a Mine Operating Permit*. Variance from the *Application for a Mine Operating Permit*, this permit, statute or regulation, without first receiving SCDES approval, shall be deemed non-compliance with the permit.

An operator or official representative of the mine operator who willfully violates the provisions of the S.C. Mining Act, rules and regulations, or willfully misrepresents any fact in any action taken pursuant to this chapter or willfully gives false information in any application or report required by this chapter shall be deemed guilty of a misdemeanor and, upon conviction, shall be fined not less than one hundred dollars nor more than one thousand dollars for each offense. Each day of continued violation after written notification shall be considered a separate offense.

The operator is responsible for all mining activity on the permitted mine site.

Part IX: REPORTS

ANNUAL RECLAMATION REPORTS:

The operator shall comply with Section 48-20-120 and Regulation 89-210 and submit an *Annual Reclamation Report* on Form MR-1100 as supplied by SCDES. The form for the report will be made available to the operator electronically. The operator should receive access to the report form from SCDES by July 1 of each year; however, the operator is ultimately responsible for obtaining the *Annual Reclamation Report* form and is not excused from penalty fees for failure to submit the report on time.

The Annual Operating Fee is a part of the *Annual Reclamation Report*. Failure to submit a complete *Annual Reclamation Report* and fee, in accordance with Section 48-20-120 and R.89-340, will result in a late penalty payment. The *Annual Reclamation Report* and Annual Operating Fee are required if there is any permitted land not fully reclaimed and released by SCDES by June 30 of *each* year.

SPECIAL REPORTS:

SCDES may at any time request information, data, or explanations from the operator as to conditions relating to the permitted mine site. Such requests from SCDES shall be made in writing to the operator with an appropriate time frame stated for the submittal of the requested information to SCDES. The operator must produce the information requested within the timeframe specified by SCDES.

Part X: ADDITIONAL TERMS AND CONDITIONS

1. Temporary or permanent placement of refuse and debris (e.g., concrete, brick, asphalt) from off-site locations is prohibited without approval by SCDES. Topsoil fill approved by SCDES may be brought in from off-site sources only for the purposes of mine land reclamation.

2. Tricolored Bat: As of the issuance of this permit, the tricolored bat is not a federally or state-protected species; however, it has been proposed for federal listing. The operator shall consult with the U.S. Fish and Wildlife Service (USFWS) within thirty (30) days of the tricolored bat's federal listing (if/when approved) and shall comply with the USFWS's recommendations.

3. Dwarf-flowered Heartleaf: Suitable habitat for the Dwarf-flowered Heartleaf has been identified on site, though there have not been any known occurrences within the permitted area. Should any Dwarf-flowered Heartleaves be found within the permitted area, the operator shall notify SCDES and SCDNR within 24 hours of the occurrence.

4. Schweinitz's Sunflower: Suitable habitat for Schweinitz's Sunflowers present within the permitted area for this site. Schweinitz's Sunflower was last observed on this site in 1986. A survey conducted on August 29, 2023, did not identify any occurrences of Schweinitz's Sunflowers within 1.0 mile of the site. Should any Schweinitz's sunflowers be found within the permitted area, the operator shall notify SCDES and SCDNR within 24 hours of the occurrence.

APPENDIX A

MODIFICATIONS TO MINE PERMIT I-000104

NUMBER	DATE	DESCRIPTION OF MODIFICATION (PA= Permitted Acreage; AA= Affected, Bonded Acreage; FR= Reserves Acreage, B= Buffer Acreage)
Issued	12/30/74	PA = 270ac., AA = 30.5ac. Permit issued.
95-1	--	PA = 270ac., AA = 116ac. Increase AA to 116 ac.
96-1	01/26/96	PA = 270ac., AA = 120ac. Conversion to LOM, year 2050; AA adjusted to 120 ac
99-1	12/09/99	PA = 360.4ac., AA = 148.2ac., FR = 66.2ac., B = 146.0ac. Substantial modification
05-1	12/14/05	PA = 360.4ac., AA = 154.5ac., FR = 66.2ac., B = 139.7ac.
12-1	08/17/12	PA = 360.4ac., AA = 280.3ac., FR = 0.0ac., B = 80.1ac. Reconciling acreage on maps and construction of employee building. All FR and some Buffer changed to AA. See map SM-104-V4
17-1	11/27/17	PA = 328.6ac., AA = 271.1ac., FR = 0.0ac., B = 57.5ac. Removed 31.8ac from permit
22-1	07/24/26	PA = 738.3ac, AA = 554.3ac, FR = 42.1, B = 141.9 Added 283.2ac to AA, 84.4ac to Buffer, and 42.1ac to FR. PA increased to 328.6ac. Reclamation schedule updated, Blasting limits expanded.

CONTROL

R E C L A M A T I O N P L A N

As required in Section 48-20-90 of the South Carolina Mining Act, "An operator shall submit with his application for an operating permit a proposed reclamation plan. The reclamation plan for an operating permit only must be furnished to the local soil and water conservation district in which the mining operation is to be conducted. The plan must include as a minimum each of the elements specified in the definition of 'reclamation plan' in Section 48-20-40 and information required by the department. The reclamation plan must provide that reclamation activities, particularly those relating to control of erosion, to the extent feasible, must be conducted simultaneously with mining operations and be initiated at the earliest practicable time after completion or termination of mining on a segment of the permitted land. The plan must provide that reclamation activities must be completed within two years after completion or termination of mining on each segment of the area for which an operation permit is requested unless a longer period specifically is permitted by the department."

PERMIT NO. 104

III. ENVIRONMENTAL PROTECTION

1. Describe practices to protect adjacent resources such as roads, wildlife areas, woodland, cropland and others during mining reclamation.

All mining activity will be contained on bonded acreage of the permitted property.

2. Describe proposed methods to limit significant adverse effects on adjacent surface water and groundwater resources.

Process water is treated in settling cells to remove fines before remixing with pit water. Site drainage is sent to the pit. All pit water is treated in clarification ponds to remove suspended solids before discharging through NPDES outfall. Fuel and bulk oil storage areas are in containment structures.

3. Describe proposed methods to limit significant adverse effects on known significant cultural or historic sites within the proposed permitted area.

No known cultural or historical sites exist within the permitted area.

4. Describe method to prevent or eliminate conditions that could be hazardous to animal or fish life in or adjacent to the permitted area.

See Item #2. Quarry activity is not inherently harmful to wildlife. Animals are abundant throughout the site.

5. Describe how applicant will comply with State air quality standards as established by the S.C. Department of Health and Environmental Control.

AIR QUALITY - The quarry will operate a water truck to suppress road emissions. Plant emissions are controlled with spray bars. The muck pile is watered down.

WATER QUALITY - Settling cells and clarification ponds are used to treat water prior to discharge.

III. RECLAMATION OF AFFECTED AREA

6. State useful purpose(s) the affected land is being proposed to be reclaimed to. More than one purpose may be checked, but information should be submitted to support the feasibility for each proposed purpose.

a.	Lake or pond	<u>√</u>	f.	Grasslands	<u>√</u>
b.	Agriculture	<u>—</u>	g.	Recreation	<u>—</u>
c.	Woodlands	<u>√</u>	h.	Wetlands	<u>—</u>
d.	Residential	<u>—</u>	i.	Park	<u>—</u>
e.	Commercial	<u>—</u>	j.	Other	<u>—</u>

7. State the final maximum surface gradient(s) (slope) in soil, sand, or other unconsolidated materials on reclaimed land. Surface gradients steeper than 3H: 1V (18 degrees or 33 percent) may be required to submit geotechnical data and studies to demonstrate that the steeper slopes will remain stable following final reclamation.

Final slopes will be graded 3:1.

8. How will the final slopes in unconsolidated materials be accomplished? If the slope will be by backfilling, demonstrate that there is adequate material to accomplish the stated final gradient. If gradient is to be achieved by bring in material from outside the permitted area, state the nature of the material and approximate quantities. If the gradient is to be achieved by grading, show that there is adequate area for grading, show that there is adjacent area for grading to achieve gradient (i.e. adequate distance between the property line and edge of highwall). Operator should show calculations or other appropriate information to demonstrate that there is adequate materials in backfilling and grading to meet the requirements for final slope.

Final slopes around the perimeter of the pit will be graded to 3:1 and revegetated.

9. Describe the plan for revegetation or other treatment of affected area(s). The revegetation plan shall include but not be limited to the following: (a) planned soil test; (b) site preparation and fertilization; (c) seed or plant selection; (d) rate of seeding or amount of planting per acre; (e) maintenance.

See attached seeding schedule.

10. Provide, as a separate document, a closure plan of the mine and permitted facilities to prevent a release of contaminants from being harmful to the environment. A closure plan is not necessary for all mines, but is required where the possibility exist for (a) acid rock drainage; (b) where the National Pollutant Discharge Elimination Systems (NPDES) Permit has discharge limitation parameters other than pH and Total Suspended Solids (TSS); (c) chemically treated tailings or stockpiles (excludes fertilizer or lime for revegetation purposes).

N/A

11. Method of control of contaminants and disposal of mine waste soil, rock, mineral, scrap, tailings, slimes, and other material substances mined and includes all wastes materials deposited on or in the permit area from any source.

Waste soil and sap rock are used in berms

Trash is hauled offsite by an approved carrier.

Tailings and silts are deposited in settling cells which will be filled and stabilized upon cessation of mining.

12. Method of reclaiming settling and/or sediment ponds.

At cessation of mining, or when we cease to use any settling pond, it will be dewatered, leveled by grading and revegetated in a manner similar to the affected lands.

13. Describe method of restoration or establishment of stream channels, stream banks and site drainage to a condition minimizing erosion, siltation and other pollution.

No streams in the area will be affected. Any drainage ditches which might be required will be graded and vegetated to prevent erosion.

14. What are the maintenance plans to insure that the reclamation practices established on the affected land will not deteriorate before released by the Department?

Land that has been reclaimed will be inspected regularly to insure that the vegetation has been successful and that no deterioration of graded areas has occurred. Deteriorated areas will be regraded and revegetated as needed.

15. For final reclamation, submit information about practices to provide for safety to persons and to adjoining property in all excavations. Identify areas of potential danger (vertical walls, unstable slopes, unstable surface on clay slimes, etc.) and provide appropriate safety provisions. These provisions can include but are not limited to setbacks, fencing, signs, benching, guardrails and boulders.

The perimeter of the pit will be graded to 3:1. Any remaining vertical high walls will be fenced.

16. What provisions will be taken to prevent noxious, odious, or foul pools of water from percent (50%) of the pond surface area can be maintained.

Adequate drainage will be provided as needed to insure that all noxious, odious or foul pools of water do not collect and remain on site.

17. Identify any structures (e.g. buildings, roads) that are proposed to remain as part of final

Roads will remain to provide access to the site.

18. Attach two (2) copies of a map of the area (referred to as the RECLAMATION MAP) that shows the reclamation practices and conservation practices to be implemented. The following should be shown:

- A. The outline of the proposed final limits of the excavation, during the number of years for which the permit was requested.
- B. The appropriate final surface gradient(s) and contour(s) of the area to be reclaimed. This would include the sides and bottoms of mines reclaimed of ponds and lakes.
- C. The outline of the tailings disposal area.
- D. The outline of disposal areas for spoil and refuse (exclusive of tailings ponds).
- E. The approximate location of the mean shore line of any impoundment or water body and inlet and/or outlet structures which will remain upon final reclamation.
- F. The approximate locations of access roads, haul roads, ramps or buildings which will remain upon final reclamation.
- G. The approximate locations of various vegetation treatments.
- H. The proposed locations of re-established streams, ditches or drainage channels to provide for site drainage.
- I. The proposed locations of diversions, terraces, silt fences, brush barriers or other Best Management Practices to be used for preventing or controlling erosion and off-site situation.
- J. Proposed locations of the measures to provide safety to persons and adjoining property.
- K. Segments of the mine that can be mined and reclaimed as an outgoing basis.
- L. The boundaries of the permitted area.
- M. The boundaries of the affected area for the anticipated life of the mine.
- N. The boundaries of the 100-year floodplain, where appropriate.

- O. Identify sections of mine where the final surface gradient will be achieved by grading and/or backfilling.
- P. A legend showing the name of the applicant, the name of the proposed mine, the north arrow, the county, the scale, the date of preparation and the name and title of the person who prepared the map.

THE REQUIRED RECLAMATION MAP SHALL HAVE A NEAT, LEGIBLE APPEARANCE AND BE OF SUFFICIENT SCALE TO CLEARLY SHOW THE REQUIRED INFORMATION LISTED ABOVE. THE BASE FOR THE MAP SHALL BE EITHER A SPECIALLY PREPARED LINE DRAWING, AERIAL PHOTOGRAPH, ENLARGED USGS TOPOGRAPHIC MAP OR A RECENTLY PREPARED PLAT. RECLAMATION MAP SHOULD BE THE SAME SCALE USED FOR THE SITE MAP.

IV. SCHEDULE FOR IMPLEMENTATION OF CONSERVATION AND RECLAMATION PRACTICES

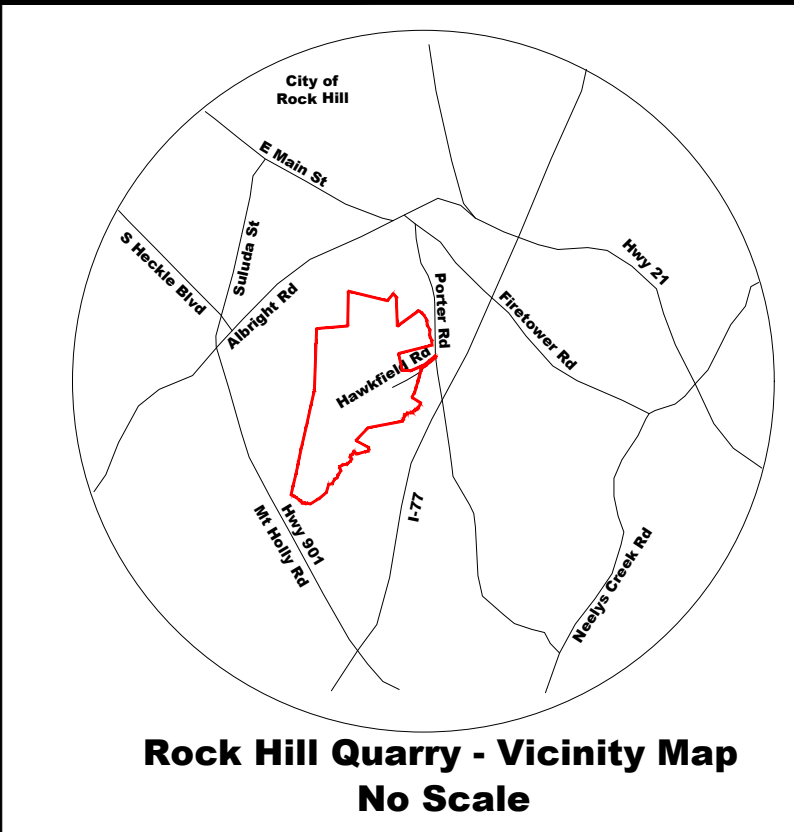
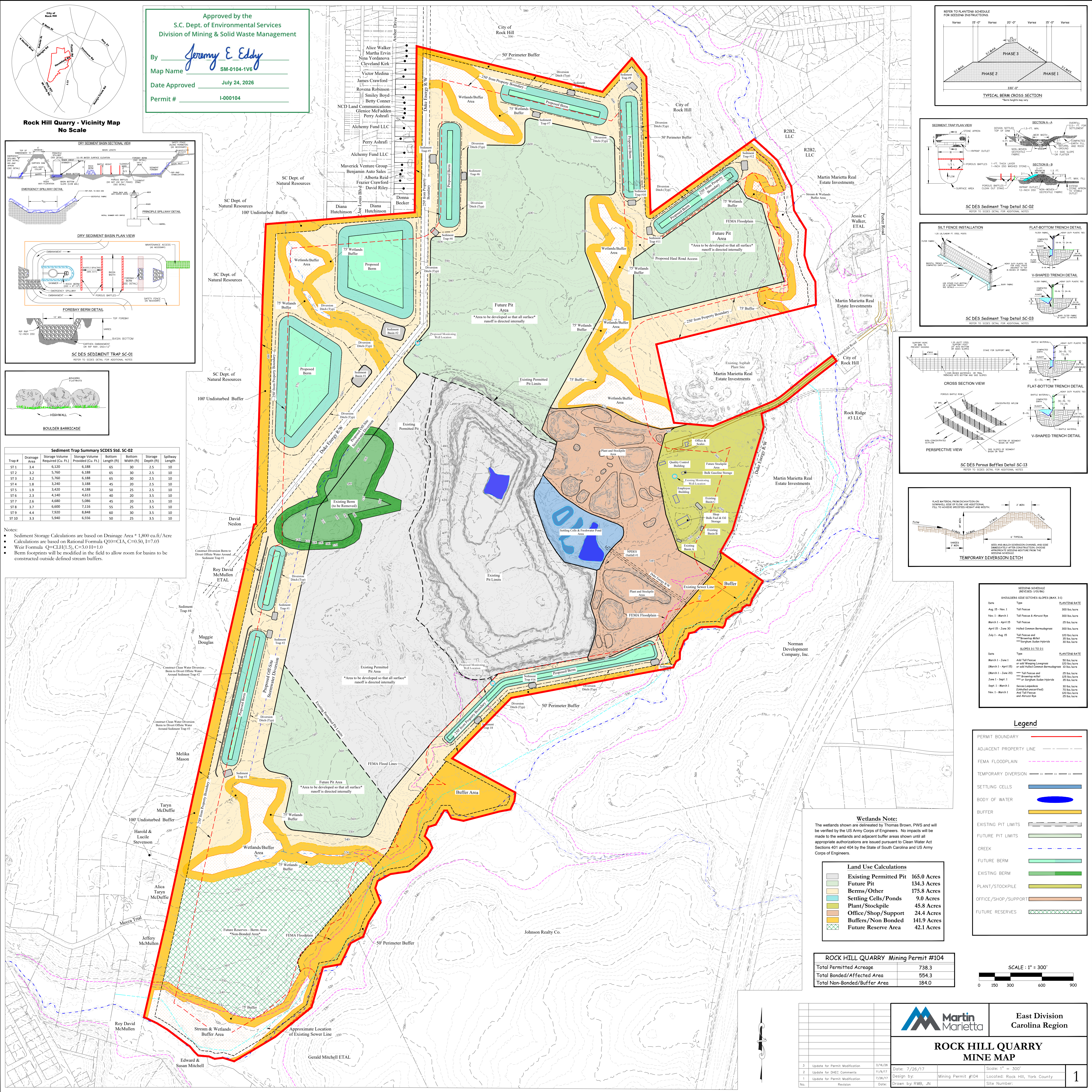
- 19. As stated in Section 48-20-90 of the S.C. Mining Act, reclamation activities, to the extent feasible, must be conducted simultaneously with mining operations. Identify which areas or segments of the mine are not feasible to reclaim simultaneously with mining. Provide reasons why reclamation can not proceed simultaneously with mining in these areas.

See Attached

- 20. Section 48-20-40(16) (1) of the SC Mining Act requires a "time schedule, including the anticipated years for completion of reclamation by segments" This time schedule should meet the requirements of Section 48-20-90 of the Mining Act.

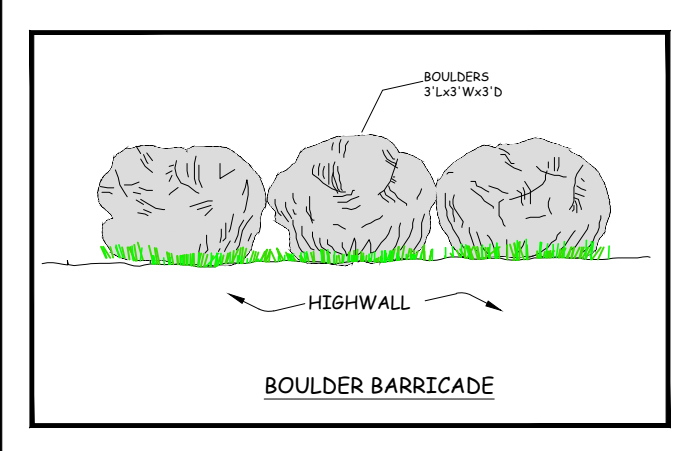
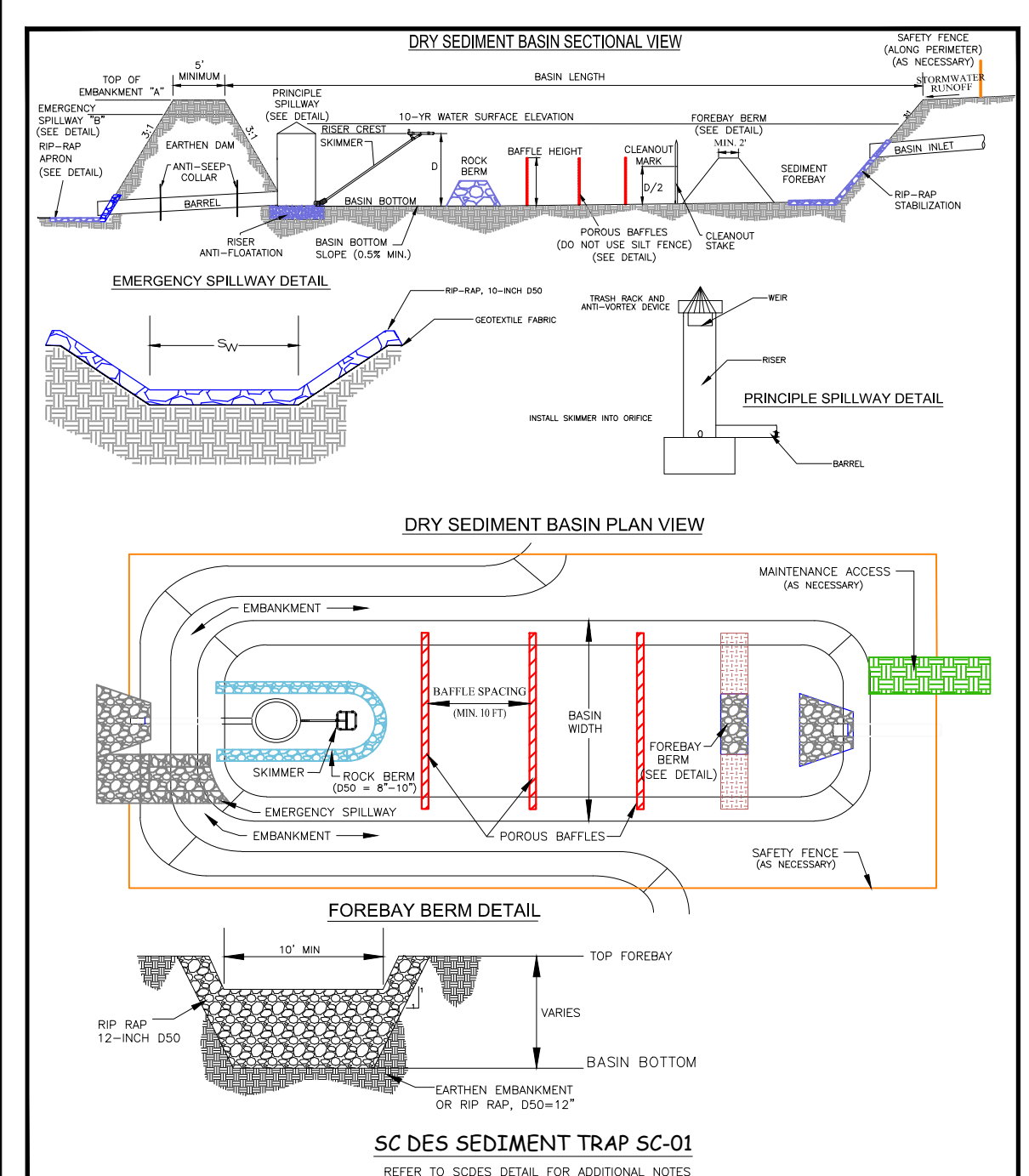
Schedule for Implementing Conservation and Reclamation Practices

Conservation & Reclamation Practices	Segment # or Area	Planned Amount	Planned Year	*Applied Amount	*Applied Year	Notes
Install E&SC Measures, Grade & Stabilize	West Screening Berms	15 Ac	2026	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
Install E&SC Measures, Grade & Stabilize	Off-Site Stormwater Diversion	12 Ac	2027	NONE PROVIDED	NONE PROVIDED	Ditch designed and constructed to divert off-site stormwater around pit.
Install E&SC Measures, Grade & Stabilize	West OB Berm 1	12 Ac	2027	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
Install E&SC Measures, Grade & Stabilize	West OB Berm 2	20 Ac	2035	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
Install E&SC Measures, Grade & Stabilize	North Screening Berms	20 Ac	2050	NONE PROVIDED	NONE PROVIDED	Prior to adjacent pit development
Pit Reclamation	Pit Area	299 Ac	Life of Mine	NONE PROVIDED	NONE PROVIDED	Concurrent reclamation as available.
Area Reclaimed & Stabilized	Office, Shop, Plant & Settling Cells	79 Ac	Life of Mine	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED



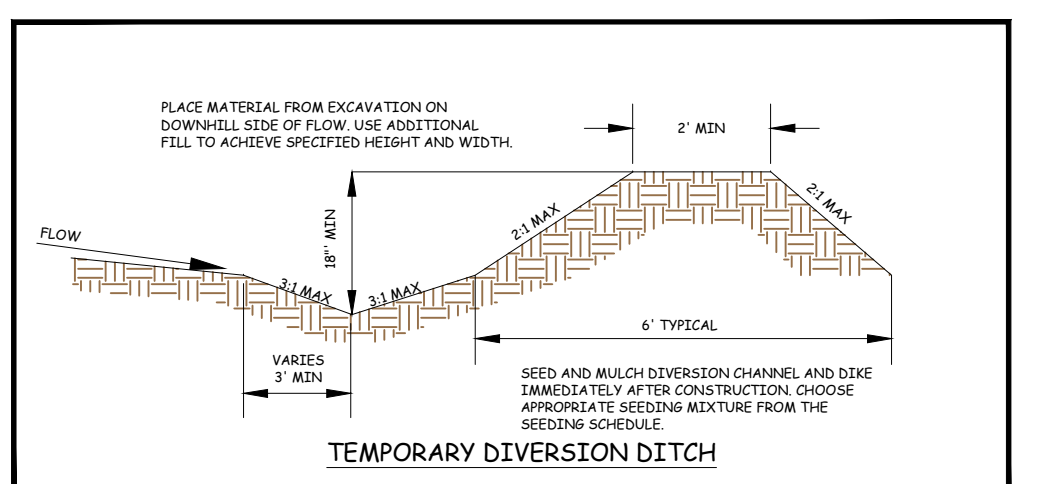
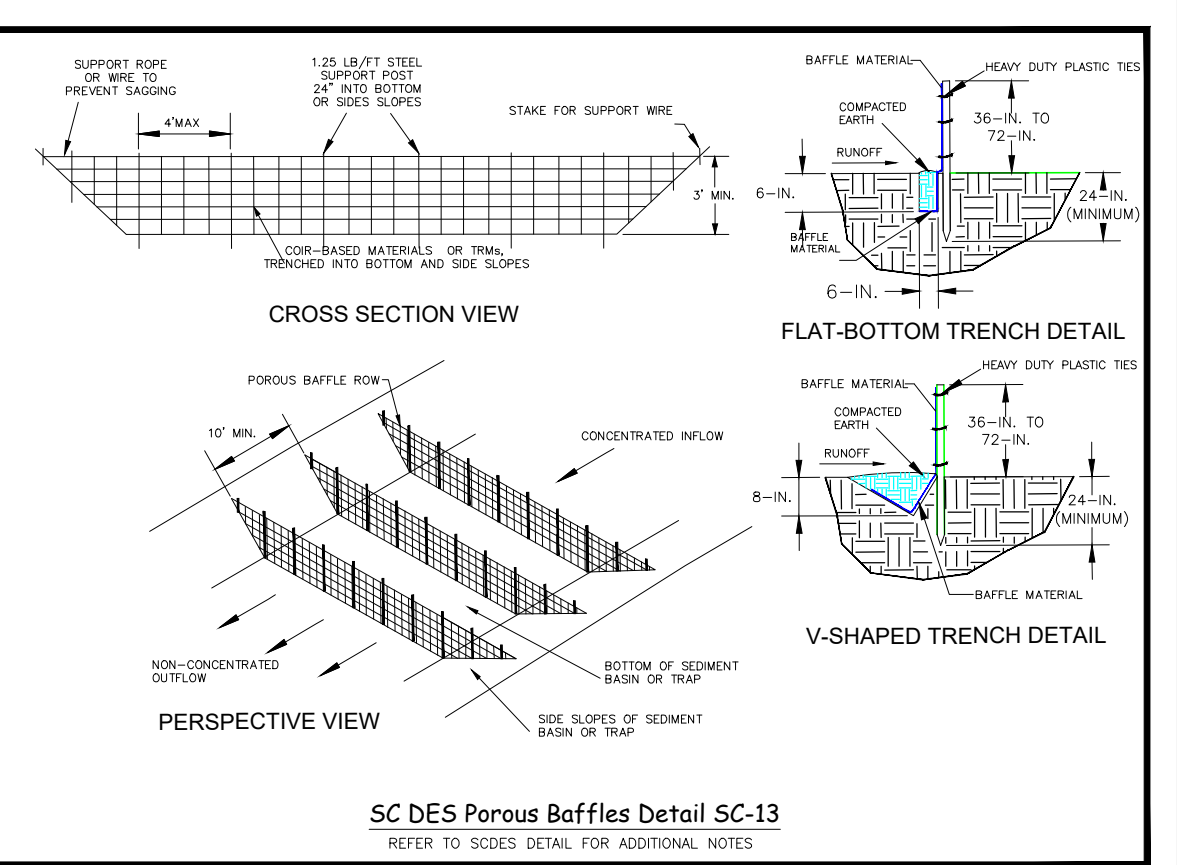
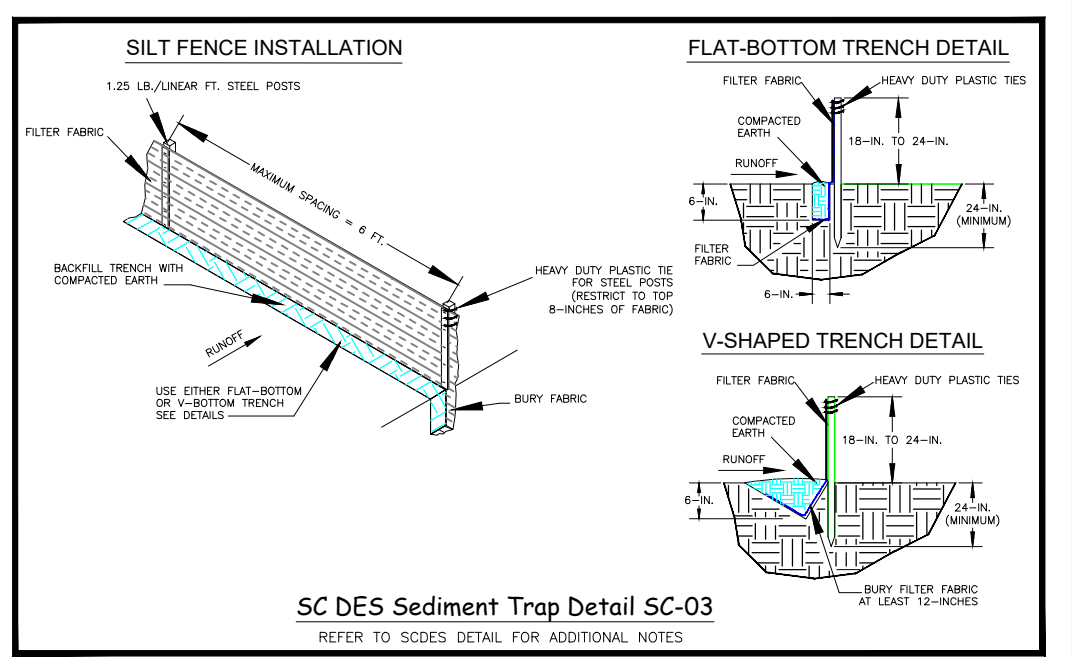
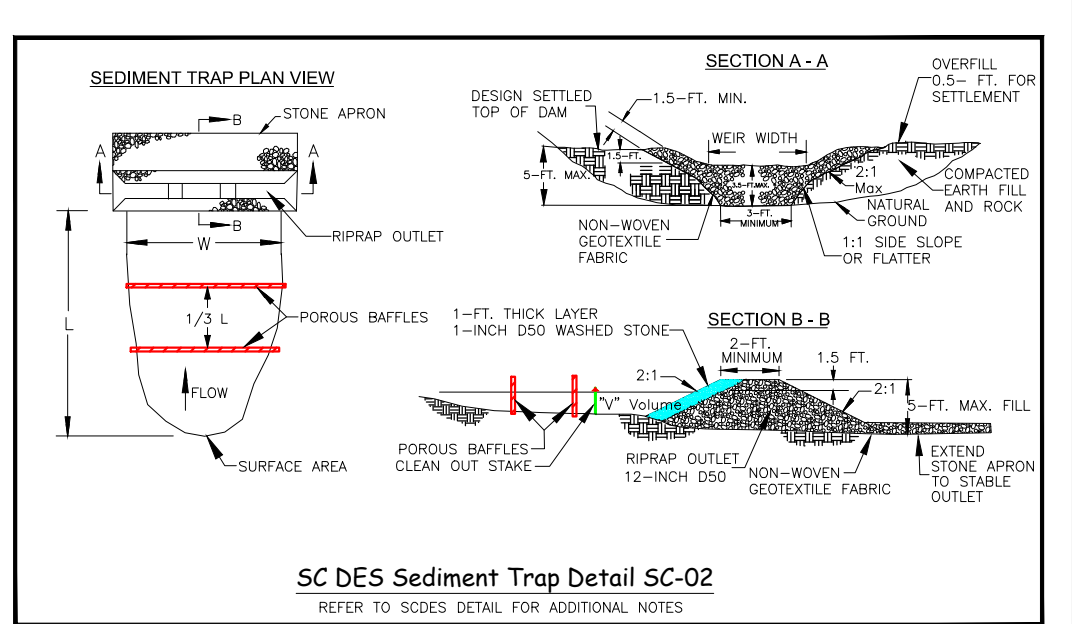
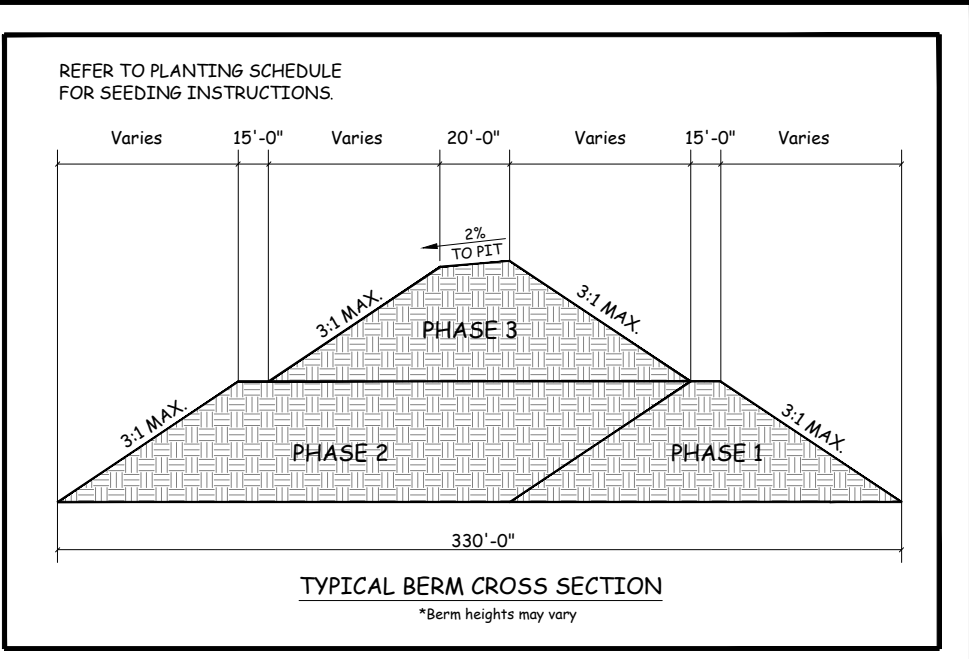
Approved by the
S.C. Dept. of Environmental Services
Division of Mining & Solid Waste Management

By Jeremy E. Eddy
Map Name SM-0104-1V6
Date Approved July 24, 2026
Permit # I-000104



Sediment Trap Summary SCDES Std. SC-02							
Trap #	Drainage Area	Storage Volume Required (Cu. Ft.)	Storage Volume Provided (Cu. Ft.)	Bottom Length (ft)	Bottom Width (ft)	Storage Depth (ft)	Spillway Length
ST 1	3.4	6,120	6,188	65	30	2.5	10
ST 2	3.2	5,760	6,188	65	30	2.5	10
ST 3	3.2	5,760	6,188	65	30	2.5	10
ST 4	1.8	3,240	3,188	45	20	2.5	10
ST 5	1.9	3,420	4,188	50	25	2.5	10
ST 6	2.3	4,140	4,613	40	20	3.5	10
ST 7	2.6	4,680	5,086	45	20	3.5	10
ST 8	3.7	6,600	7,116	55	25	3.5	10
ST 9	4.4	7,920	8,848	60	30	3.5	10
ST 10	3.3	5,940	6,556	50	25	3.5	10

- Notes:
- Sediment Storage Calculations are based on Drainage Area * 1,800 cu.ft./Acre
 - Calculations are based on Rational Formula $Q_{10}=CIA$, $C=0.50$, $I=7.03$
 - Weir Formula $Q=CLH^{1.5}$, $C=3.0$, $I=1.0$
 - Berm footprints will be modified in the field to allow room for basins to be constructed outside defined stream buffers.

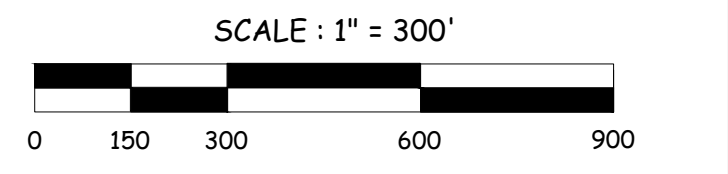
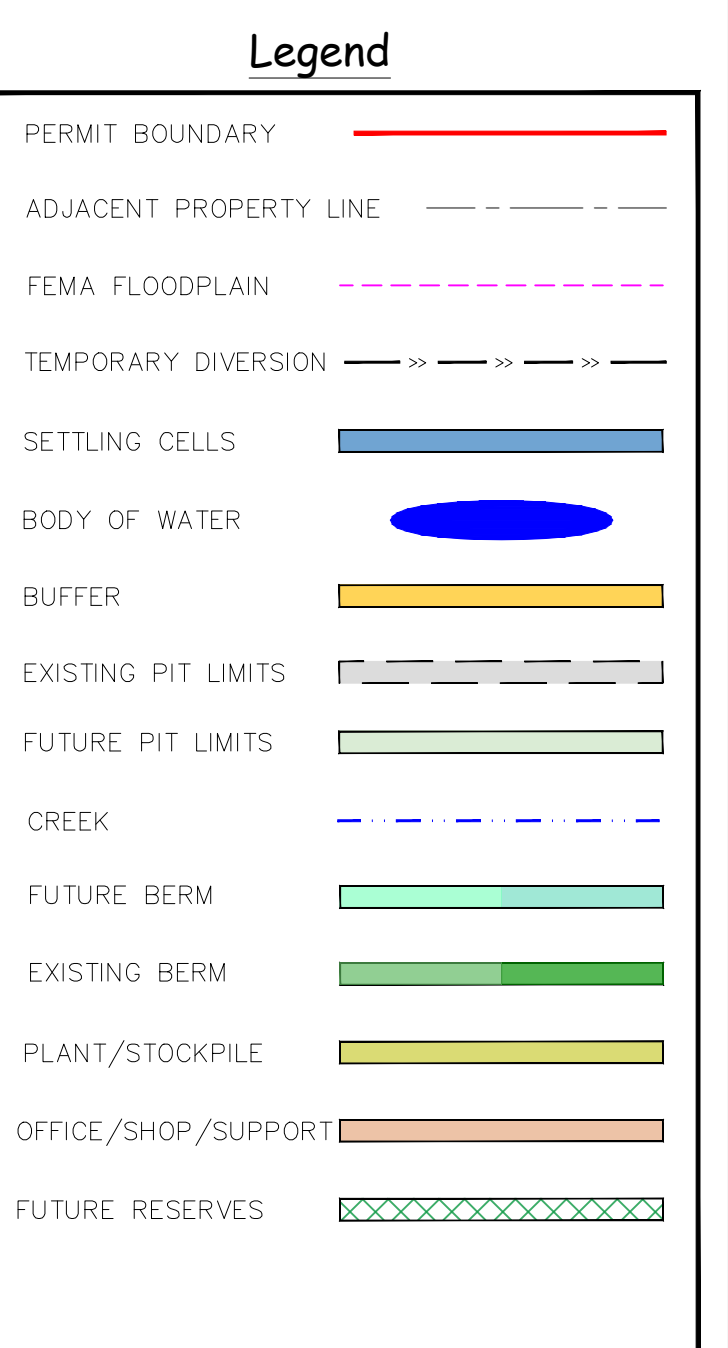


SEEDING SCHEDULE (REVISED 1/21/06)		
SHOULDER SIZE DITCHES SLOPES (MAX 3:1)		
Date	Type	PLANTING RATE
Aug. 15 - Nov. 1	Tall Fescue	300 lbs./acre
Nov. 1 - March 1	Tall Fescue & Abruzzi Ryegrass	300 lbs./acre
March 1 - April 15	Tall Fescue	25 lbs./acre
April 15 - June 30	Halberd Common Bermudagrass	300 lbs./acre
July 1 - Aug. 15	Tall Fescue and ***Paspalum Allot ***Sorghum Sudan Hybrids	120 lbs./acre 25 lbs./acre 30 lbs./acre
SLOPES 3:1 TO 2:1		
Date	Type	PLANTING RATE
March 1 - June 1	Add Tall Fescue or old Wandering Lovagegrass	50 lbs./acre 100 lbs./acre
March 1 - April 15	or old Fescue Common Bermudagrass	10 lbs./acre
March 1 - June 20	***Tall Fescue and ***Paspalum Allot ***Sorghum Sudan Hybrids	25 lbs./acre 125 lbs./acre 25 lbs./acre
June 1 - Sept. 1	Seeds: Legumes (Lupinus albus, Medicago sativa)	30 lbs./acre 100 lbs./acre
Sept. 1 - March 1	And Tall Fescue and Abruzzi Ryegrass	100 lbs./acre 25 lbs./acre

Wetlands Note:
The wetlands shown are delineated by Thomas Brown, PWS and will be verified by the US Army Corps of Engineers. No impacts will be made to the wetlands and adjacent buffer areas shown until all appropriate authorizations are issued pursuant to Clean Water Act Sections 401 and 404 by the State of South Carolina and US Army Corps of Engineers.

Land Use Calculations	
Existing Permitted Pit	165.0 Acres
Future Pit	134.3 Acres
Berms/Other	175.8 Acres
Settling Cells/Ponds	9.0 Acres
Plant/Stockpile	45.8 Acres
Office/Shop/Support	24.4 Acres
Buffers/Non Bonded	141.9 Acres
Future Reserve Area	42.1 Acres

ROCK HILL QUARRY Mining Permit #104	
Total Permitted Acreage	738.3
Total Bonded/Affected Area	554.3
Total Non-Bonded/Buffer Area	184.0



East Division
Carolina Region

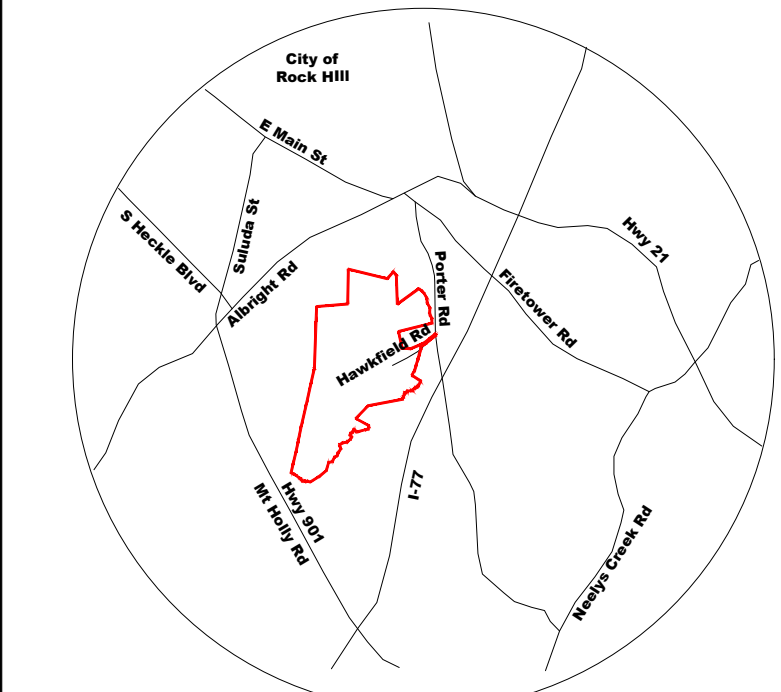
**ROCK HILL QUARRY
MINE MAP**

Date: 7/26/17
Design by: Mining Permit #104
Drawn by: RWB, JN

Scale: 1" = 300'
Located: Rock Hill, York County
Site Number:

3 Update for Permit Modification 3/16/26
2 Update for DNEC Comments 11/9/21
1 Update for Permit Modification 7/26/17

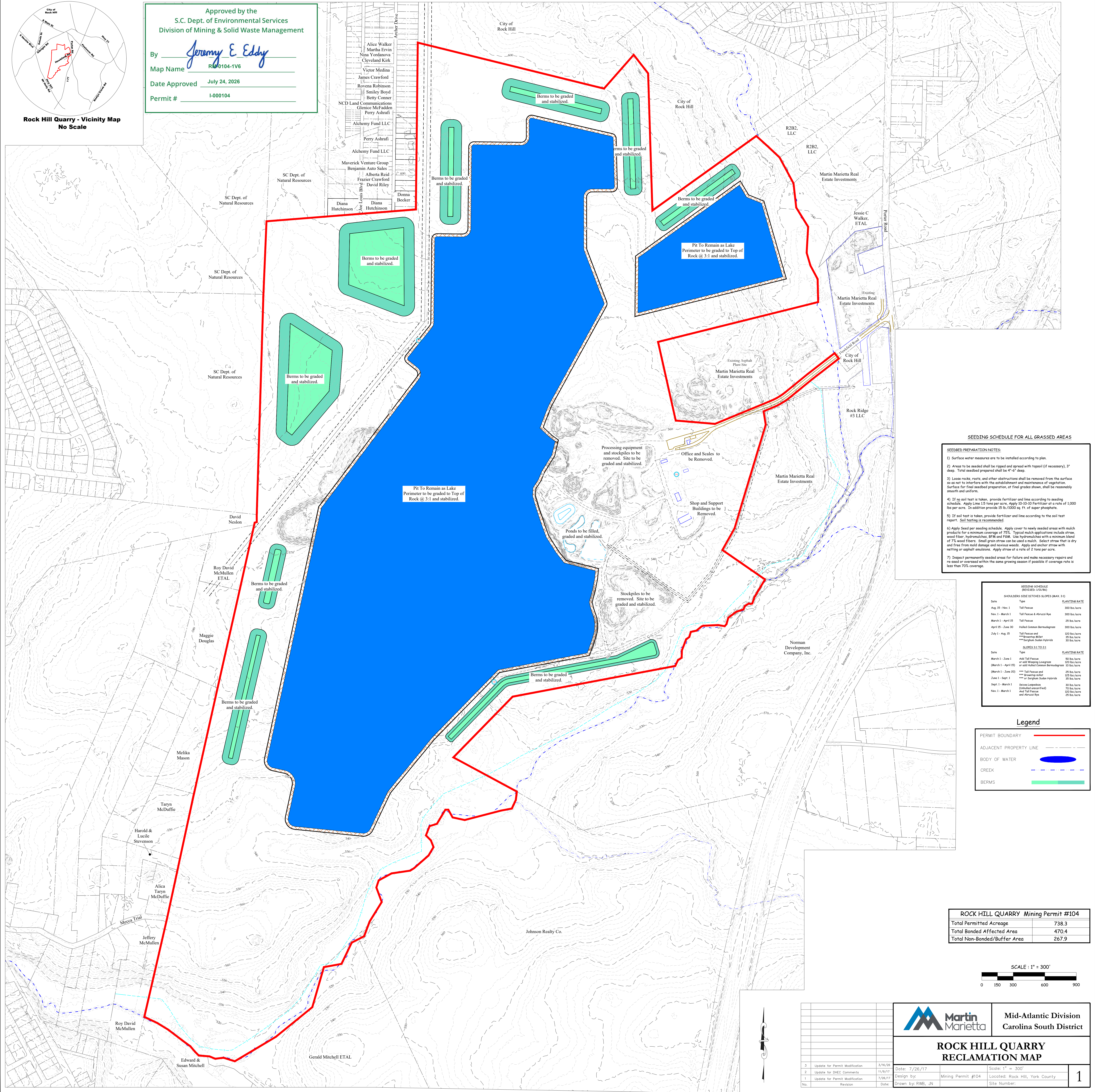
No. Revision Date



Rock Hill Quarry - Vicinity Map
No Scale

Approved by the
S.C. Dept. of Environmental Services
Division of Mining & Solid Waste Management

By Jeremy E. Eddy
Map Name RM-0104-1V6
Date Approved July 24, 2026
Permit # I-000104



SEEDING SCHEDULE FOR ALL GRASSED AREAS

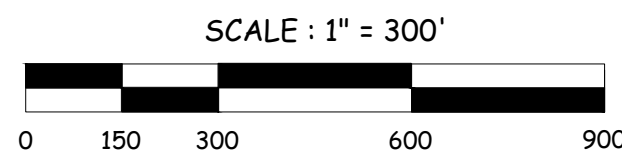
- SEEDING PREPARATION NOTES:
- 1) Surface water measures are to be installed according to plan.
 - 2) Areas to be seeded shall be ripped and spread with topsoil (if necessary), 3" deep. Total seedbed prepared shall be 4"-6" deep.
 - 3) Loose rocks, roots, and other obstructions shall be removed from the surface so as not to interfere with the establishment and maintenance of vegetation. Surface for final seedbed preparation, at final grades shown, shall be reasonably smooth and uniform.
 - 4) If no soil test is taken, provide fertilizer and lime according to seeding schedule. Apply Lime 1.5 tons per acre. Apply 10-10-10 Fertilizer at a rate of 1,000 lbs per acre. In addition provide 15 lb./1000 sq. ft. of super phosphate.
 - 5) If soil test is taken, provide fertilizer and lime according to the soil test report. Soil testing is recommended.
 - 6) Apply Seed per seeding schedule. Apply cover to newly seeded areas with mulch products for a minimum coverage of 75%. Typical mulch applications include straw, wood fiber, hydromulches, SFM and F&M. Use hydromulches with a minimum blend of 7% wood fibers. Small grain straw can be used a mulch. Select straw that is dry and free from mild damage and noxious weeds. Apply and anchor straw with netting or asphalt emulsion. Apply straw at a rate of 2 tons per acre.
 - 7) Inspect permanently seeded areas for failure and make necessary repairs and re-seed or overseed within the same growing season if possible if coverage rate is less than 70% coverage.

SEEDING SCHEDULE (REVISED 1/21/86)		
SHOULDER SIDE DITCHES SLOPES (MAX. 3:1)		
Date	Type	PLANTING RATE
Aug. 15 - Nov. 1	Tall Fescue	300 lbs./acre
Nov. 1 - March 1	Tall Fescue & Abruzzi Rye	300 lbs./acre
March 1 - April 15	Tall Fescue	25 lbs./acre
April 15 - June 30	Hulled Cennon Bermudagrass	300 lbs./acre
July 1 - Aug. 15	Tall Fescue and ***Pawnee Millet ***Sorghum Sudan Hybrids	120 lbs./acre 30 lbs./acre 30 lbs./acre
SLOPES 3:1 TO 2:1		
Date	Type	PLANTING RATE
March 1 - June 1	Add Tall Fescue or add Weeping Lovegrass (March 1 - April 15)	50 lbs./acre 120 lbs./acre or add Hulled Cennon Bermudagrass
March 1 - June 20	*** Tall Fescue and *** Seeding millet or ***Sorghum Sudan Hybrids	25 lbs./acre 125 lbs./acre 30 lbs./acre
Sept. 1 - March 1	Seeded Legumes (Unimulched areas only)	30 lbs./acre 70 lbs./acre
Nov. 1 - March 1	Add Tall Fescue and Abruzzi Rye	120 lbs./acre 25 lbs./acre

Legend

PERMIT BOUNDARY	
ADJACENT PROPERTY LINE	
BODY OF WATER	
CREEK	
BERMS	

ROCK HILL QUARRY / Mining Permit #104	
Total Permitted Acreage	738.3
Total Bonded Affected Area	470.4
Total Non-Bonded/Buffer Area	267.9



Mid-Atlantic Division
Carolina South District

ROCK HILL QUARRY
RECLAMATION MAP

Date: 7/26/17

Design by: Mining Permit #104

Drawn by: RWB, JN

Scale: 1" = 300'

Located: Rock Hill, York County

Site Number:

3 Update for Permit Modification 3/16/26

2 Update for DNEC Comments 11/9/17

1 Update for Permit Modification 7/26/17

No Revision Date

1