



Bureau of Land and Waste Management

October 22, 2020

Mr. Steve Cashwell  
Donmar Sand Mines, LLC  
1023 Clements Ferry Road  
Charleston, SC 29492

RE: Approval of Application and Reclamation Plan for a Mine Operating Permit  
Issuance of Mine Operating Permit I-2198  
Cancellation of GP1-002128 and GP1-002142  
Donmar Sand Mine, Berkeley County

Dear Mr. Cashwell:

The S.C. Department of Health and Environmental Control (DHEC) has approved the application and reclamation plan for the Donmar Sand Mine as of October 22, 2020. DHEC has approved the reclamation bond submitted in the amount of \$60,810.00.

With the receipt of the reclamation bond and the approval of the application and reclamation plan, this letter serves as official notification that the Mine Operating Permit for the Donmar Sand Mine is being issued as of the date of this letter. Enclosed are the permit document with Coastal Zone Consistency Determination, approved reclamation plan, and mine and reclamation maps.

Coverage was issued for the Donmar Sand Mine under the General Mine Operating Permit. The area covered under GP1-002128 and GP1-002142 has been incorporated into I-002198. With issuance of the individual mine operating permit, GP1-002128 and GP1-002142 will be cancelled as of the effective date of the Individual Mine Operating Permit. The associated reclamation bond for the GPs will be returned by the bond manager, Ms. Lillian McFadden, at that time. If you have any questions concerns the bond, Ms. McFadden may be reached at 803-898-0486 or via e-mail at [mcfaddenln@dhec.sc.gov](mailto:mcfaddenln@dhec.sc.gov).

A guide to board review outlining the procedure for requesting a final review is enclosed. Should there be any questions or if we may be of further assistance, please do not hesitate to contact the project manager, Haley Smarr, at 803-898-3887 or by e-mail at [smarrha@dhec.sc.gov](mailto:smarrha@dhec.sc.gov). Jon Summa is the regional mine inspector for Berkeley County. Jon can be reached at [summajt@dhec.sc.gov](mailto:summajt@dhec.sc.gov) or 843-953-0150.

Sincerely,

Juli E. Blalock, Assistant Bureau Chief  
Bureau of Land and Waste Management

cc Joe Koon – BLWM  
Haley Smarr – BLWM  
Lillian McFadden – BLWM  
Jon Summa – Regional Inspector  
Brett Caswell – BOW  
Johnny Cribb, [johnny.cribb@berkeleycountysc.gov](mailto:johnny.cribb@berkeleycountysc.gov) – Berkeley County  
Alison Simmons, [alison.simmons@berkeleycountysc.gov](mailto:alison.simmons@berkeleycountysc.gov) – Berkeley County  
Stacy Spriggs, [stacy.spriggs@berkeleycountysc.gov](mailto:stacy.spriggs@berkeleycountysc.gov) – Berkeley County



S.C. Department of Health and  
Environmental Control

## MINE OPERATING PERMIT

### PART I:

### Donmar Sand Mine Donmar Sand Mines, LLC

Donmar Sand Mines, LLC, a corporation, has been granted a Mine Operating Permit, Mine Permit Number I-002198, to operate the Donmar Sand Mine in accordance with 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.

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JOE KOON, MANAGER  
MINING AND RECLAMATION SECTION  
DIVISION OF MINING AND SOLID WASTE MANAGEMENT

**PERMIT NUMBER:** I-002198  
**ORIGINALLY ISSUED:** October 22, 2020

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 IV, respectively, are also a part of this permit.

I-002198

## **Donmar Sand Mines, LLC**

**Home Office Address:** Donmar Sand Mines, LLC  
1023 Clements Ferry Road  
Charleston, SC 29492

**Local Office Address:** Donmar Sand Mines, LLC  
1411 Charity Church Road  
Huger, SC 29450

**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 Health and Environmental Control (DHEC) should be notified in writing immediately of any change in contact, address, telephone or fax numbers]:**

Steve Cashwell  
Pit Manager

Telephone: 843-336-5085  
Email: [stevec@lcsitework.com](mailto:stevec@lcsitework.com)

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

Latitude: 33.0068

Longitude: -79.8192

**DESCRIBE LOCATION:** The operation is located in Berkeley County, approximately 6.5 mile(s) south of Huger, S.C. Specifically, the site is located 0.5 miles southwest of the intersection of Charity Church Road and S.C. Highway 41.

## Part II: MINE OPERATIONS

Donmar Sand Mines, LLC, also referred to as the operator, is permitted to mine sand/clay at the Donmar Sand Mine. The maximum depth to the pit floor will be 30 feet below ground surface (to an elevation of  $\pm 0$  feet mean sea level) 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 sand/clay will be excavated and stockpiled on site. Ground clearing will be accomplished by bulldozer. Excavation, stockpiling, and the loading of material will be done by excavator. Dump trucks will be used to haul material off-site. Grading for reclamation will be done with a bulldozer. Adequate amounts of topsoil shall be stockpiled for reclamation of the affected area. Excess topsoil not needed for reclamation may be sold.

### PROCESSING PLANT LOCATED ON MINE SITE:

Processing plants are not permitted at this mine site. Screens set to remove roots or other organic matter from the topsoil are not considered to be processing and are allowed on this site.

### MINE DEWATERING:

The water table at the mine site is relatively shallow; lowering of the water table via dewatering is necessary to facilitate mining. 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 DHEC's Manager of the Mining and Reclamation Section, Columbia, SC, within 24 hours. After investigation, if DHEC 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 Operations are not permitted at this mine site.

### SIGNIFICANT CULTURAL OR HISTORICAL SITES:

A reconnaissance cultural resources survey was conducted on the affected lands April 2, 2020 by Chicora Foundation, Inc. No significant cultural or historical sites have been identified. SC State Historic Preservation Office (SHPO) concurred with these findings in a letter dated May 1, 2020 from Mrs. Keely Shroer, State Archaeologist. Note Part X: *Additional Terms and Conditions* of this Mine Operating Permit.

### VISUAL SCREEN:

To appropriately screen the operation from view on the western side of the permitted area adjacent to the residential subdivision along Constitution Avenue, the operator shall maintain a minimum 500ft. undisturbed buffer or, where a naturally occurring vegetative buffer does not exist, Donmar Sand Mines, LLC shall install a 15ft. high vegetated earthen berm with a 2:1 slope. This vegetated berm shall be graded flat upon reclamation. On the eastern side of the permitted area, a 50ft. undisturbed buffer shall be maintained between the mine site and the Railroad Right of Way.

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.

**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 DHEC within 30 days of the change of ownership.

Land Owner(s) as Listed on *Land Entry Agreement(s)*:  
TMS #: 248-00-03-065, Blessing Investments, LLC  
TMS #: 248-00-03-109, Blessing Investments, LLC  
TMS #: 248-00-03-114, Blessing Investments, LLC

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

OWNED 0.0                      LEASED 141.86                      TOTAL 141.86

### Part III: PERMITTED LAND

This permit allows 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:** 40.54 acres of land are to be affected by Donmar Sand Mines, LLC under the current mine plan; 40.54 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:** 0.0 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 DHEC for approval.

**BUFFER AREAS:** 101.32 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 DHEC.

**TOTAL PERMITTED AREA:** 141.86 acres as submitted on the *Land Entry Agreement(s)*.

### Part IV: MAPS

The mine site map was prepared by Lowcountry Land Development Consultants. This map is further identified with the following SCDHEC map number and is part of the operating permit:

SM-2198-V1    Mine Map    Dated: September 16, 2018    Revised: August 31, 2020

The reclamation map was prepared by Lowcountry Land Development Consultants. This map is further identified with the following SCDHEC map number and is part of the operating permit:

RM-2198-V1    Reclamation Map    Dated: September 16, 2018    Revised: May 27, 2020

## Part V: RECLAMATION BOND

The Reclamation Bond is based upon the total affected acres. Pursuant to Section 48-20-70 and R.89-200, the reclamation bond for this mining permit is set at \$60,810.00. The reclamation bond 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 VI: PROTECTION OF NATURAL RESOURCES

### **1. Describe the area of and around the mine site. Specify topography, surface water systems, wildlife habitats, residential houses, commercial properties, recreational areas, and/or public roads.**

Prior to mining activities, this site's land was used for logging; the immediate area around this site is logging tracts, and a small residential subdivision adjoins the south/southwest side of the site. The topography of this area is slightly variable (i.e., mostly flat), with surface elevation ranging from 30-40 ft. MSL. French Quarter Creek is approximately 0.8 miles west/southwest of the site. Common wildlife typical to this area can be found in and around this site. The South Carolina Department of Natural Resources (SCDNR) did not identify any state level threatened or endangered species at this time. The United States Fish and Wildlife Service (USFWS) conducted a species survey on September 3, 2016 for American chaffseed and pondberry and did not find any evidence of either species.

### **2. Methods used to prevent physical hazards to persons and to any neighboring dwelling, house, school, church, hospital, commercial or industrial building, or public road.**

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. A security fence with mesh screen has been installed at the entrance of the mine. Additionally, an opaque privacy fence has been installed along the property line that adjoins the residential 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 crushed stone "mud mat" 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.

### **3. Methods used to prevent an adverse effect on the purposes of a publicly owned park, forest, or recreation area.**

In order to prevent an adverse effect on publicly owned land, the operator has installed a chain link fence along the southwest mine property line that adjoins with Francis Marion National Forest.

### **4. Measures taken to insure against substantial deposits of sediment in stream beds or lakes.**

The operator shall comply with the NPDES General Permit for Non-metallic Mineral Mining and Stormwater Pollution Prevention plan developed for the mine. See Part X: *Additional Terms and Conditions #4*.

### **5. Measures taken to insure against landslides or unstable mine walls.**

During times of inactivity or for final reclamation, slopes shall be constructed no steeper than a 3H:1V gradient in order to minimize the potential for landslides or unstable mine walls. The operator is responsible for maintaining stable mine walls and appropriate setbacks to prevent significant slumping that may encroach into non-permitted lands.

**6. Measures taken to insure against acid water generation at the mine site that may result in pollution on adjacent property.**

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

**7. Measures taken to minimize or eliminate fugitive dust emissions from the permitted area.**

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**

**1) 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 DHEC, the operator may be required to mark the area to be affected with flagging or other appropriate measures.

**2) RIGHT OF ENTRY:** Pursuant to Section 48-20-130 and R.89-240, the operator shall grant DHEC 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.

**3) 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 DHEC. The operator shall furnish copies of the records upon request to DHEC.

**4) PERMIT MODIFICATIONS:** Pursuant to Section 48-20-80, the operator may modify the permit and/or *Reclamation Plan* upon approval by DHEC. Requests for permit and/or *Reclamation Plan* modifications may be made to DHEC on Form MR-1300. The operator shall submit any requested supporting data for consideration during DHEC's evaluation of the modification request. If a modification request is determined to be substantial by DHEC, 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 DHEC 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, DHEC shall notify the operator of its intentions to modify the permit and/or *Reclamation Plan* pursuant to Section 48-20-150.

**5) 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 DHEC. The transfer will be considered complete when all parties have received notification by certified letters of the approval of the transfer by DHEC.

**6) 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, "DHEC 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 DHEC 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.

**COMPLIANCE:** 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 DHEC 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

**1) 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 DHEC. The form for the report will be sent by regular mail to the operator to the mailing address shown on the previous year's *Annual Reclamation Report*. The operator should receive the report form from DHEC 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 DHEC by June 30 of each year.

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



## **Part X: ADDITIONAL TERMS AND CONDITIONS**

1. 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 DHEC 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.
2. Temporary or permanent placement of refuse and debris (e.g., concrete, brick, asphalt) from off-site locations is prohibited without approval by DHEC. Topsoil fill approved by DHEC may be brought in from off-site sources only for the purposes of mine land reclamation.
3. In the future, if determined to be necessary by DHEC, an appropriate fence will be installed around the affected area.
4. The operator shall maintain a minimum 50ft. 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 regulated NPDES outfall.
5. The existing gravel timber road, as noted on the mine map, shall serve as the sole ingress-egress right of way to service the mining operations to and from S.C. Highway 41.
6. The hours of operation shall not exceed Monday through Friday between the hours of 7:30 A.M. and 4:30 P.M. No weekend operations shall be allowed.

## APPENDIX A

### MODIFICATIONS TO MINE PERMIT I-002198

NUMBER	DATE	<b>DESCRIPTION OF MODIFICATION</b> (PA= Permitted Acreage; AA= Affected, Bonded Acreage; FR= Reserves Acreage, B= Buffer Acreage)
	10/22/20	Permit issued; Cancellation of GP1-002128 and GP1-002142 upon effective date PA= 141.86 ac., AA= 40.54 ac., FR= 0.0 ac., B= 101.32 ac.

## APPENDIX B

### Coastal Zone Consistency Determination



Bureau of Land and Waste Management

November 23, 2020

Mr. Steve Cashwell  
Donmar Sand Mines, LLC  
1023 Clements Ferry Road  
Charleston, SC 29492

RE: Appendix B, Coastal Zone Consistency Determination  
Mine Permit No. I-002198, Donmar Sand Mine, Berkeley County

Dear Mr. Cashwell:

DHEC's Division of Mining and Solid Waste Management ("the Department") inadvertently appended the original Coastal Zone Consistency (CZC) Determination, dated January 23, 2020, to mine operating permit I-002198 when it was issued on October 22, 2020. The Determination was revised on June 2, 2020, to remove information referring to impacts to the 2.96-acre freshwater wetland and upland "E". Please be aware that this replacement does not amend the mine operating permit, as the permit and its requirements remain unchanged.

Per this letter, the Department is replacing Appendix B with the June 2, 2020, CZC Determination, and enclosing for your records and file. Should there be any questions, or if the Department may be of further assistance, please do not hesitate to contact Haley Smarr at 803-898-3887, or via e-mail, at [smarrha@dhec.sc.gov](mailto:smarrha@dhec.sc.gov).

Sincerely,


Joseph M. Koon, Section Manager  
Mining and Reclamation Section  
Division of Mining and Solid Waste Management

Cc Joe Koon – BLWM  
Haley Smarr – BLWM  
Jon Summa – Regional Inspector  
Nic Green – Regional Inspector  
Brett Caswell – BLWM  
Chris Stout – OCRM  
Johnny Cribb, [johnny.cribb@berkeleycountysc.gov](mailto:johnny.cribb@berkeleycountysc.gov) – Berkeley County  
Alison Simmons, [alison.simmons@berkeleycountysc.gov](mailto:alison.simmons@berkeleycountysc.gov) – Berkeley County  
Stacy Spriggs, [stacy.spriggs@berkeleycountysc.gov](mailto:stacy.spriggs@berkeleycountysc.gov) – Berkeley County  
BLWM File 11189



Coastal Zone Consistency Determination

To: Haley Smarr, BLWM Mining and Reclamation Section

From: Christopher M Stout, OCRM Coastal Zone Consistency Section 

Applicant: MARLA MAZZARELLA, DONMAR SAND MINES LLC

Project Name: DONMAR SAND MINES

Finding: Conditionally Consistent with the SC Coastal Zone Management Program

Site Location: 1411 Charity Church Road, Huger, Berkeley County, South Carolina (TMS#: 248-00-03-065)

Reference #: HNK-55R4-TM471, I-002198

Date: June 2, 2020

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The staff of the Office of Ocean and Coastal Resource Management (OCRM) reviewed the above referenced Coastal Zone Consistency project request for mineral extraction associated with the establishment of a mining operation. Based on revised mining plans dated May 27, 2020, the proposed mining pit will be 21.3 acres and will include the access road, staging area, and sediment pond for a total mining operation of 30.58 acres. The mine excavation will remove sandy material to a depth of 30'. Originally, the mining operation included impacts to 2.96 acres of freshwater wetlands. **However, the wetland and an area called upland "E" have been revised to no longer be a part of the mining operation.** The jurisdictional wetlands adjacent to the proposed mine will not be impacted and will have a 50' natural buffer with double silt fence to trap any migration of sediment into the buffer and wetland areas, in most areas. The reclamation plan for the mine consists of allowing the site to restore into an open water lake/pond feature.

We hereby certify that the above referenced project is **Conditionally Consistent** with the **Guidelines for Evaluation of All Projects** as well as the Coastal Industries (*Mining*), Wildlife and Fisheries Management, Dredging (*Dredging and Spoil Disposal*), and Stormwater Management (*Mines and Landfills*) policies contained in the S.C. Coastal Zone Management Program provided the following conditions are included in the permits and adhered to by the applicant.

1. In the event that any historic or cultural resources and/or archaeological materials are found during the course of work, the applicant must notify the State Historic Preservation Office and the South Carolina Institute of Archaeology and Anthropology. Historic or cultural resources consist of those sites listed in the National Register of Historic Places and those sites that are eligible for the National

Register. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include, but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal and glass objects, and human skeletal materials.

2. All construction BMPs must be installed, inspected and maintained to hold sediment onsite and to protect any adjacent or downstream critical area, wetlands and waters through the life of the project. Upon completion of construction activities, all disturbed (includes undeveloped) areas, including those impacted for access, must be immediately stabilized.
3. The project must be fully consistent with local zoning and comprehensive plans prior to work being conducted.
4. The pumping of groundwater from sediment basins must be done with floating intakes only. Pumping of the basin must cease whenever the water levels come to within 2 feet of the pond bottom.
5. The applicant is not authorized to impact any wetlands. In the event any impacts to wetlands occur, the US Army Corps of Engineers and DHEC-OCRM must be notified and all work must cease to minimize additional impacts until the applicant receives authorization.

This determination shall serve as the SCDHEC OCRM Coastal Zone Consistency Determination for the work described above. However, this determination **does not** serve as a Department permitting decision and **does not** alleviate the applicant's responsibility to obtain any applicable State or Federal permit(s) for the work. Local government authorizations **may also** be required.



Mining Form MR-500

S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
BUREAU OF LAND AND WASTE MANAGEMENT
DIVISION OF MINING AND SOLID WASTE PERMITTING
2600 Bull Street, Columbia, SC 29201
Telephone Number: (803) 896-4261 Fax Number: (803) 896-4001

RECLAMATION PLAN
DHEC FORM 500 DATE VERSION ADOPTED 7/1/94

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."

I. APPLICANT INFORMATION

- 1. Name of Company: DONMAR SANDMINES, LLC.
2. Name of Proposed Mine: DONMAR MAIN MINE County: BERKELEY
3. Home Office Address: 1023 CLEMENTS FERRY ROAD (843) 336-5085
CHARLESTON SC 843.375.2200
4. Local Office Address:
5. Name of company personnel and their title to be the contact for official business and correspondence: Steve Cashwell - Mine Manager
6. Location of Mine: Charity Church Road Huger

II. ENVIRONMENTAL PROTECTION

- 1. Describe practices to protect adjacent resources such as roads, wildlife areas, woodland, cropland and others during mining and reclamation.
The site has a front gate locking gates and is lined with trees. The area between the residential section is lined with a privacy fence the entire length of the property. Traffic control and emergency signs are located within the pit to direct traffic. There is a construction trailer that is manned when pit is operating. Emergency call numbers are posted on the warning sign at gate.
2. Describe proposed methods to limit significant adverse effects on adjacent surface water and groundwater resources.
The mine water will be discharged to a sediment basin. Once settled the mine water will then be discharged to adjacent jurisdictional fresh water wetlands on site. Site perimeter will be lined with silt fence. Erosion control BMPs will be used to further filter mine discharge water via rip rap, vegetative filters, silt fence & sediment basins.
3. Describe proposed methods to limit significant adverse effects on known significant cultural or historic sites within the proposed permitted area.
No cultural or historic sites fall within the permit 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.

Proper reclamation of the mine site will include removal of mine equipment both mobile and stationary, clean up of any spillage of petroleum products, removal of scrap material. Setbacks and established buffers along wetlands and soil stabilization of will provide protection to fisheries in nearby streams. Establishing 3:1 slopes around the pit and overburden storage areas will remove hazardous conditions for the public and indigenous animal populations.

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

Haul roads will be moistened as needed to eliminate dust.

### III. RECLAMATION OF AFFECTED AREA

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

- |   |  |
|---|--|
| a. Lake or pond <input checked="" type="checkbox"/> | f. Grassland <input type="checkbox"/>  |
| b. Agriculture <input type="checkbox"/>             | g. Recreation <input type="checkbox"/> |
| c. Woodlands <input type="checkbox"/>               | h. Wetlands <input type="checkbox"/>   |
| d. Residential <input type="checkbox"/>             | i. Park <input type="checkbox"/>       |
| e. Commercial <input type="checkbox"/>              | j. Other <input type="checkbox"/>      |

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.

The final maximum surface gradient for slopes will be 3:1.

8. How will the final slopes in unconsolidated material 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 bringing 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 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.

The final maximum surface gradient for slopes will be 3:1. Material entering the pit will be used on slopes and be placed at 3:1.

9. Describe the plan for revegetation or other surface 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.

All areas disturbed which are not part of the lake, pond or wetlands will be re-vegetated. The site will be prepared and fertilized to promote healthy growth of permanent grasses.

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 exists 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).

The mine will not discharge in excess of permitted parameters. There will be no chemically treated tailings or stockpiles. A closure plan is not necessary for this mine.

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

Mine is an open pit for structural fill. No anticipated contaminates or waste will be generated.

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

Settling and/or sediment ponds will not be removed from service and reclaimed until all barren soils within the the sediment pond drainage is stabilized with vegetation and erosion controlled. Reclamation will to convert sediment pond to a fresh water pond.

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

Appropriate setbacks and buffers will be established to protect the wetlands, not to mention strategically located sediment ponds. Additionally, vegetative filters will be used as a backup to further protect the wetlands from sediment. Streams will not be impacted by mining.

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?

Areas that have undergone final reclamation practices will be maintained through periodic inspections and conducting any necessary repairs in a timely manner.

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,

The site has a front gate locking gates and is lined with trees. The area between the residential section is lined with a privacy fence the entire length of the property. Emergency call numbers are posted on the warning sign at gate.

16. What provisions will be taken to prevent noxious, odious, or foul pools of water from collecting and remaining on the mined area? For mines to be reclaimed as lakes or ponds, provide supporting information that a minimum water depth of four (4) feet on at least fifty percent (50%) of the pond surface area can be maintained.

The final pit will be reclaimed as a pond and will meet the above referenced regulatory requirement for sufficient depth. Areas of the affected land not reclaimed to ponds will be properly graded to prevent unwanted pools of water from collecting and prevent foul water from forming.



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

The office building and other support buildings may be left upon final reclamation. Also, some of the haul roads may be left to provide access to the property. All areas will be sloped and stabilized to prevent erosion and control sediment.

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 is requested.
- B. The approximate final surface gradient(s) and contour(s) of the area to be reclaimed. This would include the sides and bottoms of mines reclaimed 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 vegetative 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 siltation.
- 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 ongoing 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.



YOU ARE NOTIFIED THAT:

- 1) You, the operator, must file an application to modify the reclamation plan in the event actual reclamation varies from the set forth hereinabove; and
- 2) If at any time it appears to the Department that the activities under the reclamation plan are failing to achieve the purposes and requirements of the S.C. Mining Act, the Department may modify the RECLAMATION PLAN in accordance to Section 48-20-150.

*Marla Mazzarella*

Signature of Applicant/Operator or his Authorized Representative

Marla Mazzarella

Printed Name of Applicant/Operator or his Authorized Representative

Member

06/01/2020

Title

06/01/2020

Date

Department Use Only

Permit No.: I-002198 Date Application Approved: 10/22/20 Date Bond Rec'd: 10/9/20

Bond Amount: \$60,810.00 Blanket or Single Bond: Single Permit Issuance Date: \_\_\_\_\_

ACTION TAKEN ON THIS RECLAMATION PLAN

\_\_\_\_ Approved \_\_\_\_\_ Denied  Approved with Additional Terms and Conditions

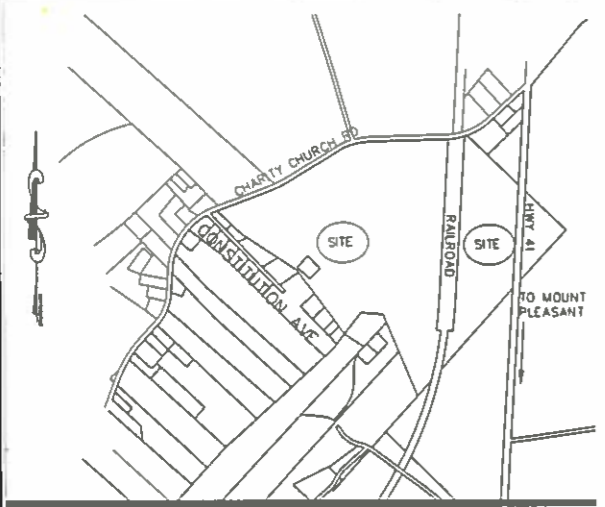
By: Joe Koon  
~~DIVISION DIRECTOR~~ Section Manager

Date: October 22, 2020

THE DRAWINGS AND DESIGN THEREON ARE THE PROPERTY OF LOW COUNTRY LAND DEVELOPMENT CONSULTANTS AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE ENGINEER AND ANY INFREEMENT WILL BE SUBJECT TO LEGAL ACTION

**APPROVED BY**  
**SOUTH CAROLINA DEPARTMENT OF HEALTH**  
**AND ENVIRONMENTAL CONTROL**  
**DIVISION OF MINING & SOLID WASTE MGT**

BY: Joe Korn, Manager  
 TITLE: SM-2198-V1  
 DATE APPROVED: 10/22/20  
 PERMIT NUMBER: I-002198



LOCATION MAP NOT TO SCALE  
 LOCATION MAP

**ZONING INFORMATION:**

1. THE CURRENT ZONING IS "FLEX 1" FOR TMS 248-00-03-065, 109 & 114 IN BERKELEY COUNTY  
 2. SITE TBM IS A MAG NAIL IN THE ASPHALT. THE VERTICAL DATUM IS NAVD 29

**GENERAL NOTES:**

- IT IS THE INTENT OF THESE PLANS TO ADHERE TO THE BERKELEY COUNTY PLANNING AND ZONING ORDINANCES AND ROAD CODES.
- THE GENERAL INTENT OF THE PROJECT IS TO MINE A SAND PIT, AND THE APPURTENANT SEDIMENT TRAP, HAUL ROAD AND STORM DRAINAGE TO SUPPORT SAID DEVELOPMENT
- THE PROJECT WILL HAVE ONE ENTRANCE/EXIT OFF OF SC HWY 41
- ONCE THE SEDIMENT CONTROL DEVICES ARE IN PLACE THE SEDIMENT TRAP AND ITS DISCHARGE PIPE WILL BE INSTALLED ONCE THESE ITEMS HAVE BEEN CONSTRUCTED THE MINING OPERATION CAN BEGIN AND THE OWNER OR OPERATOR WILL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF THE SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH EROSION CONTROL AND SEDIMENT CONTROL PRACTICES AS MANAGED BY BERKELEY COUNTY PUBLIC WORKS AND THE SCDHEC-OFFICE OF COASTAL AND RESOURCE MANAGEMENT.
- CONTRACTOR IS TO REFER TO THE MOST CURRENT EDITION OF THE SCDDT STANDARD DRAWINGS TO VERIFY CONSTRUCTION SPECIFICATIONS AND DIMENSIONS OF THE PORTION OF THE ENTRANCE ROAD WITHIN THE SCDDT RIGHT OF WAY.
- ANY FIELD CHANGES WITHIN SCDDT RIGHT OF WAY (OR CHANGES THAT WOULD IMPACT THE SCDDT RIGHT OF WAY) WILL REQUIRE WRITTEN SCDDT APPROVAL PRIOR TO CHANGES BEING IMPLEMENTED IN THE FIELD.
- FOR ALL WORK PERFORMED INSIDE THE SCDDT RIGHT OF WAY, CONTRACTOR IS TO REFER TO DETAILS FOR SAME.
- PERMANENT MAINTENANCE COVENANTS AND AS-BUILT DRAWINGS FOR MINING FACILITIES IN ACCORDANCE WITH THE MSA SPECIFICATIONS NEED TO BE RECEIVED AND ACCEPTED BEFORE THE NOT OF THE COP.

**EROSION CONTROL NOTES:**

- IF NECESSARY, SLOPES THAT EXCEED EIGHT (8) VERTICAL FEET SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DEVICES DURING CONSTRUCTION. TEMPORARY BERMUS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GRASSING CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED AND EARTHSTABILIZING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS IF SITE INSPECTIONS DENYIFY BUMP THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY. MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEARED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHALL BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE, AND THE SITE IS FULLY STABILIZED.
- THE CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SILT FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE, AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCRI00000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS) INCLUDING WETLANDS SHALL BE PLACED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE SHALL BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHALL BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGE.
- PROVIDE WRITTEN PROOF THAT ALL OFF-SITE EASEMENTS HAVE BEEN OBTAINED.

**MINE NOTES:**

- THE MINE SITE WILL BE IN OPERATION FOR UP TO 7 YEARS INCLUDING THE RECLAMATION PORTION OF THE PERMIT.
- THE MINE OPERATOR SHALL PERIODICALLY WET DOWN MINE ACCESS ROADS TO CONTROL THE AIRBORNE MIGRATION OF SOILS WITHIN THE SITE AS WELL AS OUTSIDE OF THE SITE CAUSED BY MINING ACTIVITIES AND/OR PROVIDE A STABILIZED ROADWAY. THE OPERATOR SHALL SET A SPEED LIMIT NOT TO EXCEED 10 MPH WITHIN THE SITE TO HELP CONTROL DUST MIGRATION.
- SCDDM MINING RECLAMATION AND OPERATION REGULATIONS MUST BE OBSERVED AT ALL TIMES.
- MINING OPERATIONS MUST COMPLY WITH BERKELEY COUNTY HOSE ORDINANCE AND FOR SITES LOCATED WITHIN THE US-4 AREA THE BERKELEY COUNTY STORMWATER MANAGEMENT ORDINANCE.
- TRUCKS WILL BE ENTERING AND EXITING THE PIT FROM SC HWY 41 AT THE TRAIL TRACK NEAR THE INTERSECTION OF CHARITY CHURCH ROAD AND HWY 41. THERE IS NO THRU TRAFFIC ALLOWED (PLEASE SEE SIGN)

**UTILITY LOCATE NOTES:**

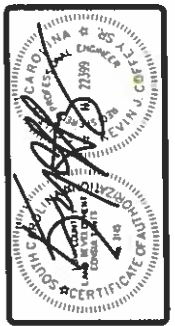
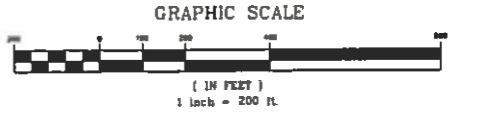
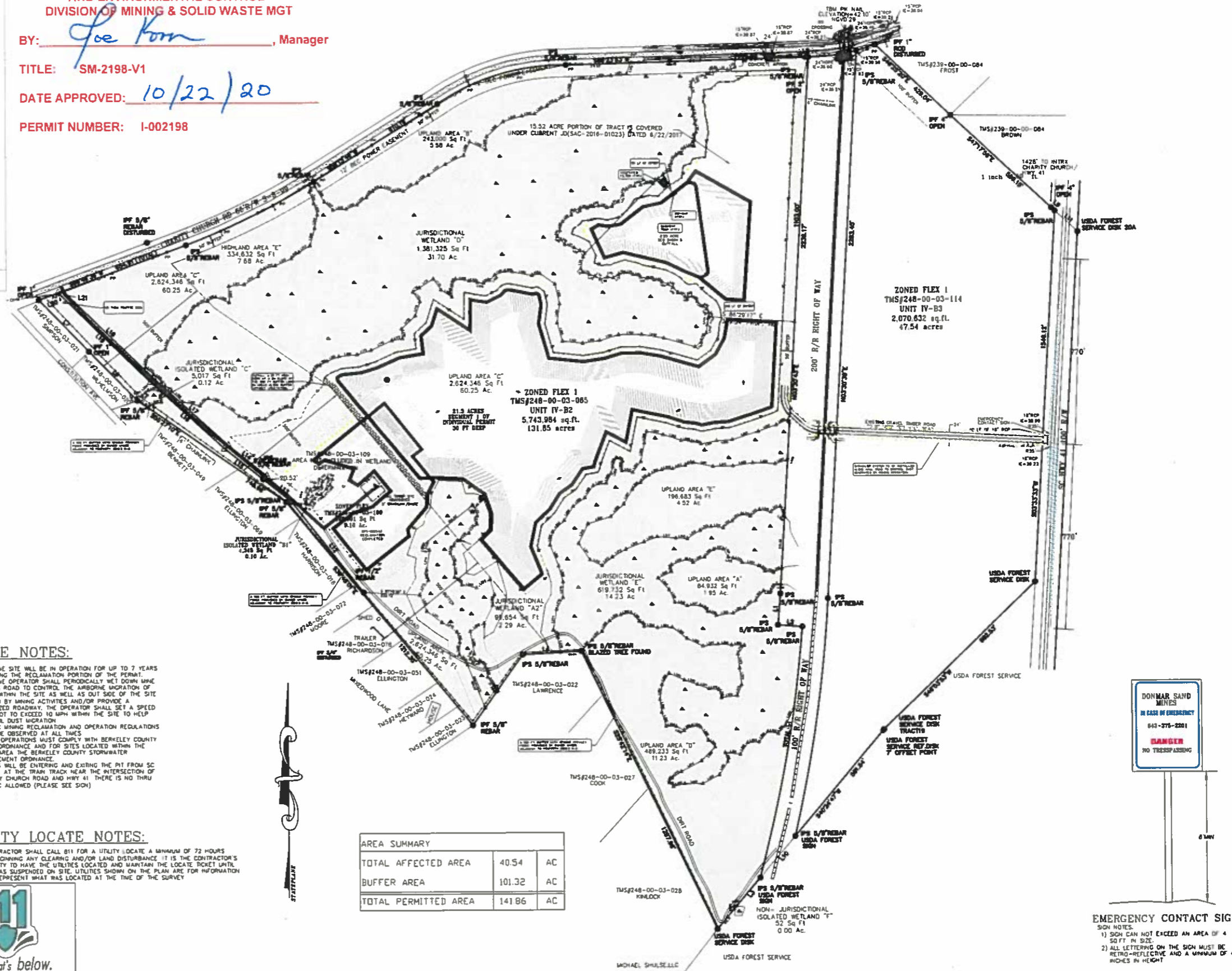
- THE CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY CLEARING AND/OR LAND DISTURBANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE UTILITIES LOCATED AND MAINTAIN THE LOCATE TICKET UNTIL ALL WORK HAS SUSPENDED ON SITE. UTILITIES SHOWN ON THE PLAN ARE FOR INFORMATION ONLY AND REPRESENT WHAT WAS LOCATED AT THE TIME OF THE SURVEY.



ALL ITEMS IN SECTION 100 OF THE CURRENT ARMS MANUAL FOR BOTH CONSTRUCTION AND POST-CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSED. ALL NECESSARY BUMP'S HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING IMPAIRED WATERS OF THE SCDDT SYSTEM AND/OR ITS DISCHARGES.

KEVIN J. COFFEY  
 823299

AREA SUMMARY	
TOTAL AFFECTED AREA	40.54 AC
BUFFER AREA	101.32 AC
TOTAL PERMITTED AREA	141.86 AC



**Lowcountry**  
 LAND DEVELOPMENT CONSULTANTS  
 CIVIL ENGINEERS \* PLANNERS \* SURVEYORS \* SCIENTISTS

**BLESSING INVESTMENTS LLC**  
 1023 CLAYTONS FERRY ROAD  
 CHARLESTON, SC 29402

**DONMAR SAND MINE**  
 INDIVIDUAL PERMIT

**DONMAR SAND MINES**  
 CHARITY CHURCH RD.  
 BERKELEY COUNTY  
 TMS 248-00-03-065, 109 & A PORTION OF 114

**SHT-NO**  
 17-143  
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 17-143

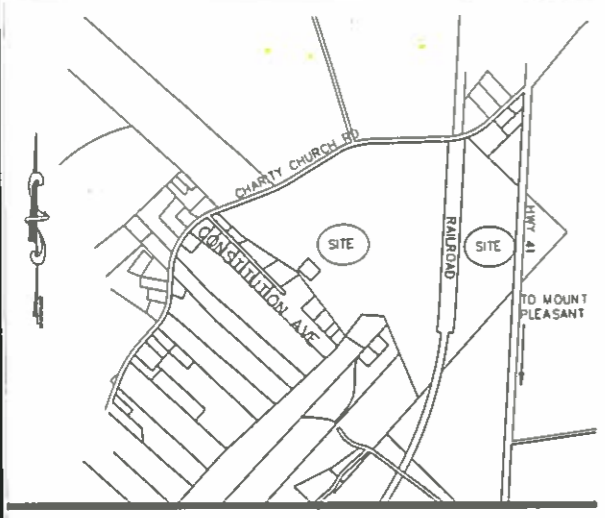
APPROVED BY  
SOUTH CAROLINA DEPARTMENT OF HEALTH  
AND ENVIRONMENTAL CONTROL  
DIVISION OF MINING & SOLID WASTE MGT

BY: *[Signature]*, Manager

TITLE: RM-2198-V1

DATE APPROVED: 10/22/20

PERMIT NUMBER: I-002198



LOCATION MAP NOT TO SCALE

LOCATION MAP

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- CONTRACTOR IS TO REFER TO THE MOST CURRENT EDITION OF THE SCOOT STANDARD DRAWINGS TO VERIFY CONSTRUCTION SPECIFICATIONS AND DIMENSIONS OF THE PORTION OF THE ENTRANCE ROAD WITHIN THE SCOOT RIGHT OF WAY.
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- SCHEMATIC MINING RECLAMATION AND OPERATION REGULATIONS MUST BE OBSERVED AT ALL TIMES.
- MINING OPERATIONS MUST COMPLY WITH BERKELEY COUNTY NOISE ORDINANCE AND FOR SITES LOCATED WITHIN THE MSA AREA THE BERKELEY COUNTY STORMWATER MANAGEMENT ORDINANCE.
- TRUCKS WILL BE ENTERING AND EXITING THE PIT FROM SC HWY 41 AT THE TRAIL TRUCK NEAR THE INTERSECTION OF CHARITY CHURCH ROAD AND HWY 41. THERE IS NO THRU TRAFFIC ALLOWED (PLEASE SEE SIGN).

**UTILITY LOCATE NOTES:**

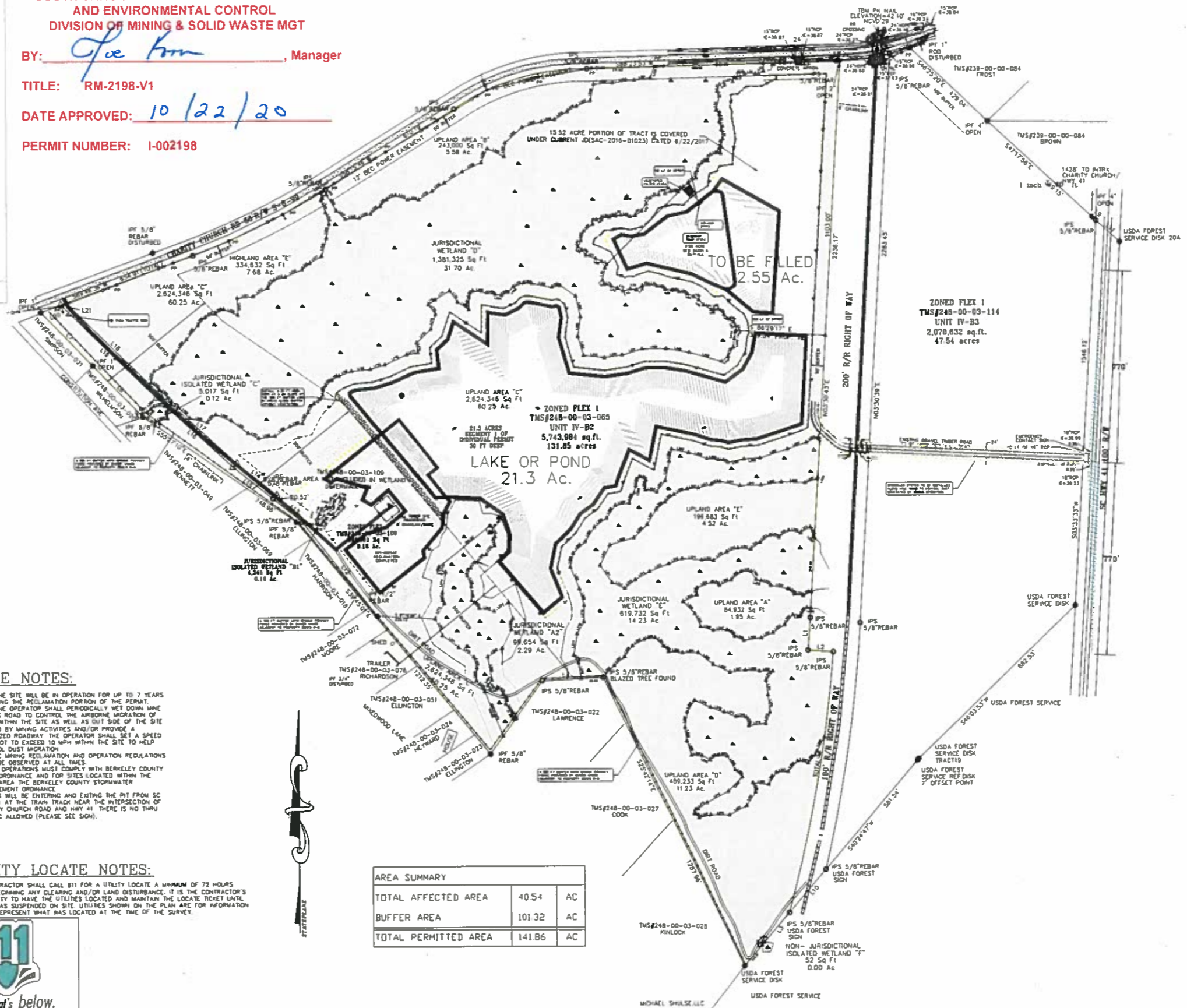
- THE CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY CLEARING AND/OR LAND DISTURBANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE UTILITIES LOCATED AND MAINTAIN THE LOCATE TICKET UNTIL ALL WORK HAS SUSPENDED ON SITE. UTILITIES SHOWN ON THE PLAN ARE FOR INFORMATION ONLY AND REPRESENT WHAT WAS LOCATED AT THE TIME OF THE SURVEY.



ALL ITEMS IN SECTION 100 OF THE CURRENT APUS MANUAL FOR BOTH CONSTRUCTION AND POST-CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSED. ALL NECESSARY BLMPS HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING WATERS OF THE STATE SYSTEM AND/OR ITS DISCHARGES.

JEVIN J. COPLEY SC #22398

AREA SUMMARY	
TOTAL AFFECTED AREA	40.54 AC
BUFFER AREA	101.32 AC
TOTAL PERMITTED AREA	141.86 AC

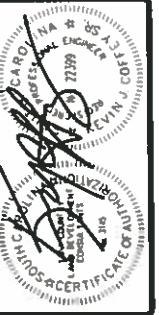
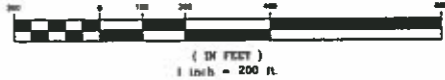


ZONED FLEX 1  
TMS#248-00-03-114  
UNIT IV-B3  
2,070.832 sq.ft.  
47.54 acres

ZONED FLEX 1  
TMS#248-00-03-065  
UNIT IV-B2  
5,743,984 sq.ft.  
131.85 acres

LAKE OR POND  
21.3 Ac.

GRAPHIC SCALE



LOWCOUNTRY LAND DEVELOPMENT CONSULTANTS  
CIVIL ENGINEERS \* PLANNERS \* SURVEYORS \* SCIENTISTS

BLESSING INVESTMENTS, LLC  
1033 CLARKSONS FERRY ROAD  
CHARLESTON, SC 29405  
DONMAR SAND MINE RECLAMATION PLAN

CIVIL  
DONMAR SAND MINES  
CHARITY CHURCH RD.  
BERKELEY COUNTY  
TMS 248-00-03-065, 109  
& A PORTION OF 114

DATE: 10/22/20  
SCALE: 1"=200'  
SHT-NO 18 of 3