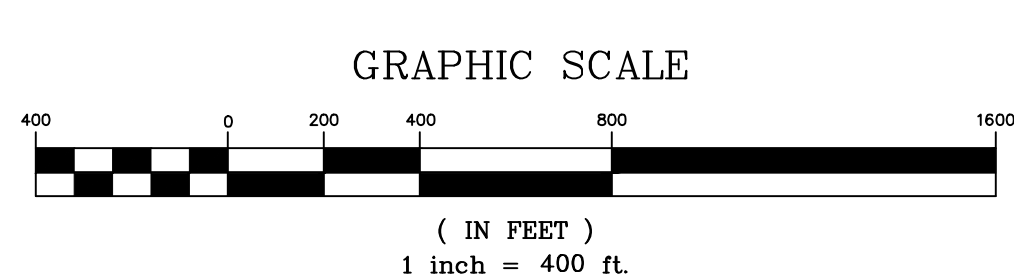


MAP LEGEND

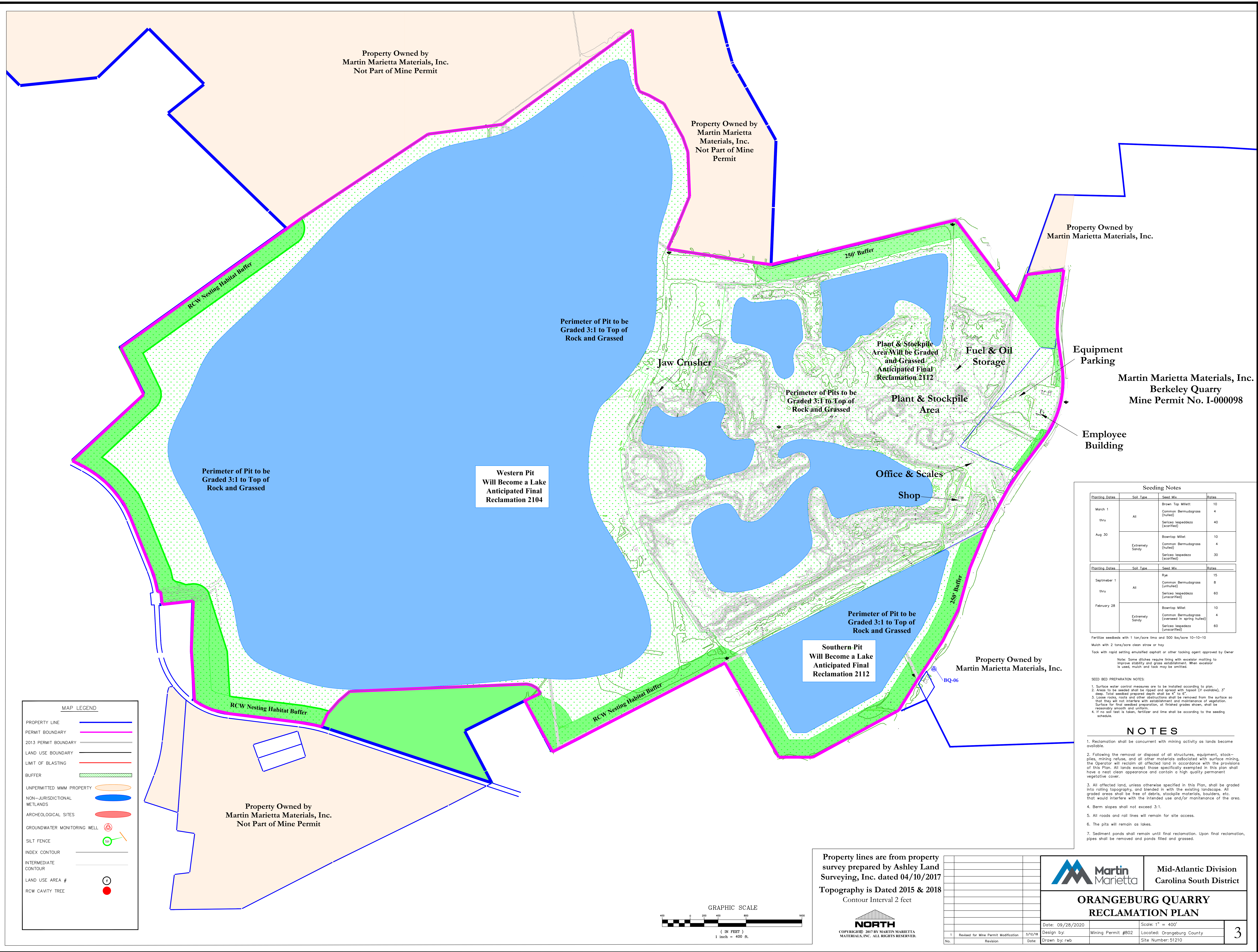
- PROPERTY LINE
- PERMIT BOUNDARY
- 2013 PERMIT BOUNDARY
- LAND USE BOUNDARY
- LIMIT OF BLASTING
- BUFFER
- UNPERMITTED MMM PROPERTY
- NON-JURISDICTIONAL WETLANDS
- ARCHEOLOGICAL SITES
- GROUNDWATER MONITORING WELL
- SILT FENCE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- LAND USE AREA #
- RCW CAVITY TREE



Property lines are from property survey prepared by Ashley Land Surveying, Inc. dated 04/10/2017
 Topography is Dated 2015 & 2018
 Contour Interval 2 feet



		Mid-Atlantic Division Carolina South District	
ORANGEBURG QUARRY MINING PLAN			
2	Revised Blasting Buffer Per Comments	9/15/2018	Date: 09/28/2020
1	Revised for Mine Permit Modification	2/12/18	Design by: Mining Permit #802
No.	Revision	Date:	Drawn by: rwb
		Scale: 1" = 400'	
		Located: Orangeburg County	
		Site Number: 51210	
			2



Property Owned by Martin Marietta Materials, Inc. Not Part of Mine Permit

Property Owned by Martin Marietta Materials, Inc. Not Part of Mine Permit

Property Owned by Martin Marietta Materials, Inc.

Martin Marietta Materials, Inc. Berkeley Quarry Mine Permit No. I-000098

Perimeter of Pit to be Graded 3:1 to Top of Rock and Grassed

Western Pit Will Become a Lake Anticipated Final Reclamation 2104

Perimeter of Pit to be Graded 3:1 to Top of Rock and Grassed

Jaw Crusher

Perimeter of Pits to be Graded 3:1 to Top of Rock and Grassed

Plant & Stockpile Area Will be Graded and Grassed Anticipated Final Reclamation 2112

Fuel & Oil Storage

Equipment Parking

Office & Scales Shop

Plant & Stockpile Area

Perimeter of Pit to be Graded 3:1 to Top of Rock and Grassed

Southern Pit Will Become a Lake Anticipated Final Reclamation 2112

Property Owned by Martin Marietta Materials, Inc.

Property Owned by Martin Marietta Materials, Inc. Not Part of Mine Permit

Seeding Notes			
Planting Dates	Soil Type	Seed Mix	Rates
March 1	All	Brown Top Millet	10
thru		Common Bermudagrass (hulled)	4
Aug 30	Extremely Sandy	Sericea lepedeza (scarified)	40
		Bowtop Millet	10
September 1	All	Common Bermudagrass (hulled)	8
		Sericea lepedeza (unscarified)	60
February 28	Extremely Sandy	Bowtop Millet	10
		Common Bermudagrass (covered in sowing hulled)	4
		Sericea lepedeza (unscarified)	60

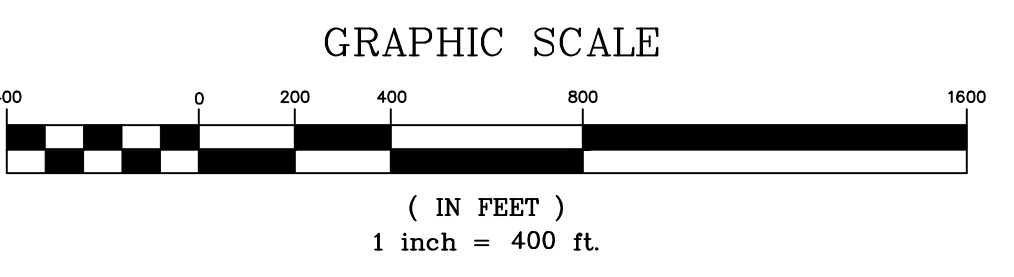
Fertilize seedbeds with 1 ton/acre lime and 500 lbs/acre 10-10-10
 Mulch with 2 tons/acre clean straw or hay
 Tack with rapid setting emulsified asphalt or other tacking agent approved by Owner
 Note: Some ditches require lining with excelsior matting to improve stability and grass establishment. When excelsior is used, mulch and tack may be omitted.

SEED BED PREPARATION NOTES:
 1. Surface water control measures are to be installed according to plan.
 2. Areas to be seeded shall be ripped and spread with, topsoil (if available), 3" deep. Total seeded prepared depth shall be 4" to 8".
 3. Loose rocks, roots and other obstructions shall be removed from the surface so that they will not interfere with establishment and maintenance of vegetation. Surface for final seeded preparation, at finished grades shown, shall be reasonably smooth and uniform.
 4. If no soil test is taken, fertilizer and lime shall be according to the seeding schedule.

NOTES

1. Reclamation shall be concurrent with mining activity as lands become available.
2. Following the removal or disposal of all structures, equipment, stockpiles, mining refuse, and all other materials associated with surface mining, the Operator will reclaim all affected land in accordance with the provisions of this Plan. All lands except those specifically exempted in this plan shall have a neat clean appearance and contain a high quality permanent vegetative cover.
3. All affected land, unless otherwise specified in this Plan, shall be graded into rolling topography, and blended in with the existing landscape. All graded areas shall be free of debris, stockpile materials, boulders, etc. that would interfere with the intended use and/or maintenance of the area.
4. Berm slopes shall not exceed 3:1.
5. All roads and rail lines will remain for site access.
6. The pits will remain as lakes.
7. Sediment ponds shall remain until final reclamation. Upon final reclamation, pipes shall be removed and ponds filled and grassed.

MAP LEGEND	
PROPERTY LINE	Blue solid line
PERMIT BOUNDARY	Magenta dashed line
2013 PERMIT BOUNDARY	Black dashed line
LAND USE BOUNDARY	Black solid line
LIMIT OF BLASTING	Red solid line
BUFFER	Green hatched area
UNPERMITTED MMM PROPERTY	Light blue shaded area
NON-JURISDICTIONAL WETLANDS	Blue shaded area
ARCHEOLOGICAL SITES	Red shaded area
GROUNDWATER MONITORING WELL	Circle with 'A' and arrow
SILT FENCE	Circle with 'S' and arrow
INDEX CONTOUR	Black dashed line
INTERMEDIATE CONTOUR	Black solid line
LAND USE AREA #	Circle with number
RCW CAVITY TREE	Red circle

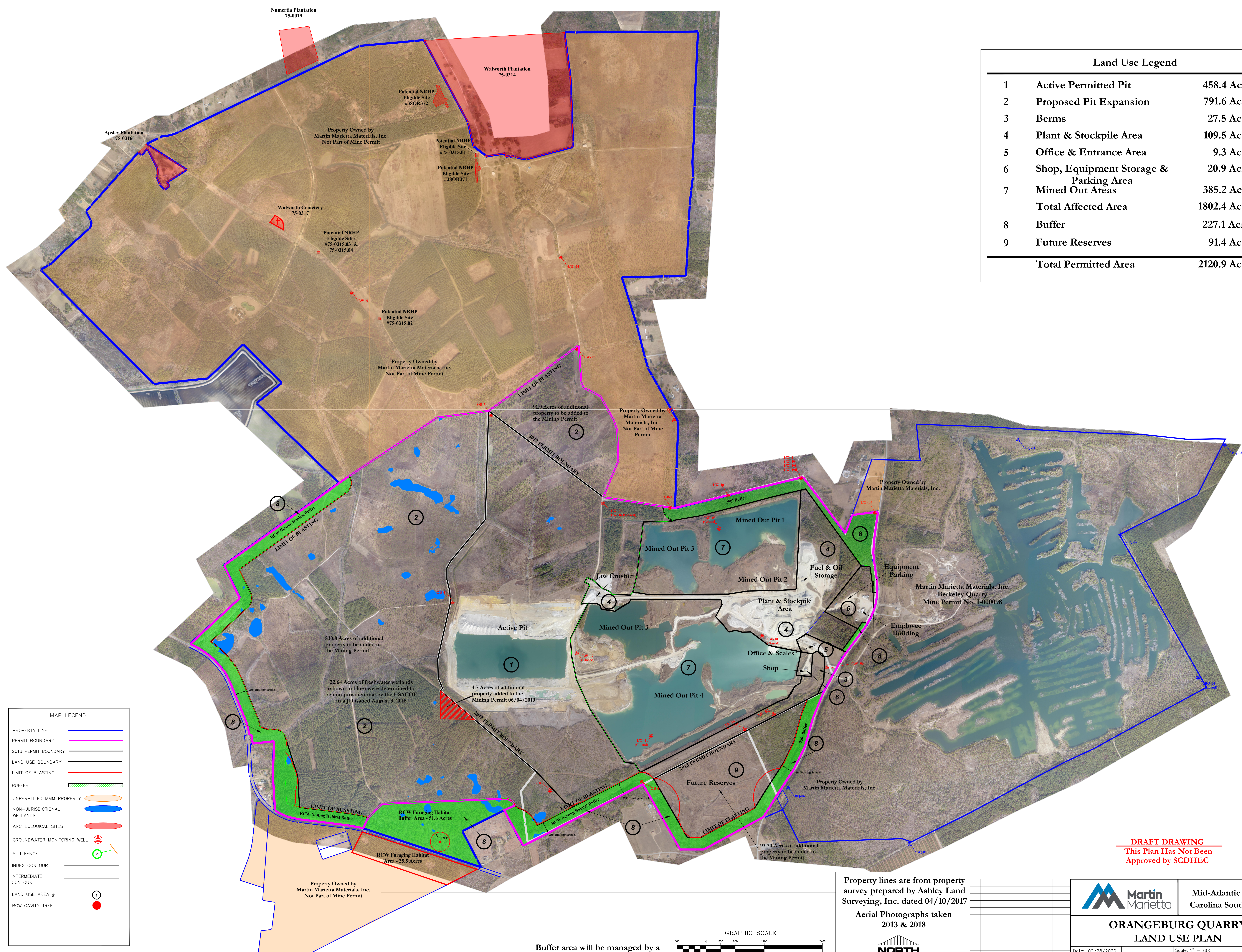


Property lines are from property survey prepared by Ashley Land Surveying, Inc. dated 04/10/2017
 Topography is Dated 2015 & 2018
 Contour Interval 2 feet



No.	Revision	Date
1	Revised for Mine Permit Modification	3/12/18

	Mid-Atlantic Division Carolina South District
	ORANGEBURG QUARRY RECLAMATION PLAN
Date: 09/28/2020	Scale: 1" = 400'
Design by: Mining Permit #802	Located: Orangeburg County
Drawn by: rwb	Site Number: 51210
3	

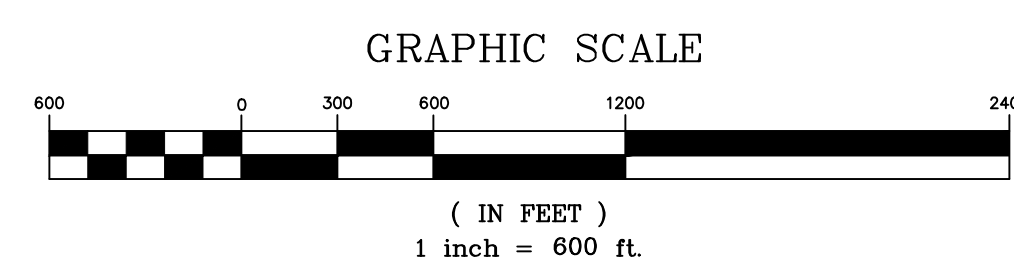


Land Use Legend		
1	Active Permitted Pit	458.4 Acres
2	Proposed Pit Expansion	791.6 Acres
3	Berms	27.5 Acres
4	Plant & Stockpile Area	109.5 Acres
5	Office & Entrance Area	9.3 Acres
6	Shop, Equipment Storage & Parking Area	20.9 Acres
7	Mined Out Areas	385.2 Acres
Total Affected Area		1802.4 Acres
8	Buffer	227.1 Acres
9	Future Reserves	91.4 Acres
Total Permitted Area		2120.9 Acres

MAP LEGEND	
PROPERTY LINE	Blue line
PERMIT BOUNDARY	Magenta line
2013 PERMIT BOUNDARY	Black line
LAND USE BOUNDARY	Red line
LIMIT OF BLASTING	Red dashed line
BUFFER	Green hatched area
UNPERMITTED MMM PROPERTY	Orange area
NON-JURISDICTIONAL WETLANDS	Blue area
ARCHEOLOGICAL SITES	Red oval
GROUNDWATER MONITORING WELL	Red triangle with 'A'
SILT FENCE	Green circle with 'S'
INDEX CONTOUR	Black line
INTERMEDIATE CONTOUR	Grey line
LAND USE AREA #	Circle with number
RCW CAVITY TREE	Red dot

DRAFT DRAWING
 This Plan Has Not Been
 Approved by SCDHEC

Property lines are from property survey prepared by Ashley Land Surveying, Inc. dated 04/10/2017
 Aerial Photographs taken 2013 & 2018



Buffer area will be managed by a forestry company

		Mid-Atlantic Division Carolina South District
ORANGEBURG QUARRY LAND USE PLAN		
Date: 09/28/2020 Design by: Drawn by: rwb	Mining Permit #802 Located: Orangeburg County Site Number: 51210	Scale: 1" = 600' <div style="text-align: right; border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;">1</div>

No.	Revision	Date
2	Revised Blasting Buffer Per Comments	8/15/2018
1	Revised for Mine Permit Modification	2/12/2018