

- 1 N/F  
PARCEL ID 10200008  
BARSON LOUDELLA SIMMONS  
ZONING - RR  
RESIDENTIAL
- 2 N/F  
PARCEL ID 10200006  
MCPHERSON JENETTE  
ZONING - CLD  
RESIDENTIAL
- 3 N/F  
PARCEL ID 10200009  
SMITH LEON CALBERT  
ZONING - CLD  
RESIDENTIAL
- 4 N/F  
PARCEL ID 10200083  
MYLES ESTHER B  
ZONING - CLD  
VACANT
- 5 N/F  
PARCEL ID 1020001001  
MYLES ESTHER B  
ZONING - CLD  
RESIDENTIAL
- 6 N/F  
PARCEL ID 1020001102  
MILLIKEN CHARLES W  
ZONING - CLD  
COMMERCIAL
- 7 N/F  
PARCEL ID 1020001101  
BARSON KENNETH R  
ZONING - CLD  
VACANT
- 8 N/F  
PARCEL ID 1020001103  
THREE COPR  
ZONING - CLD  
DEVELOPED
- 9 N/F  
PARCEL ID 1020001106  
SPIVEY SUE  
ZONING - CLD  
RESIDENTIAL
- 10 N/F  
PARCEL ID 1020001105  
MILLIKEN CHARLES W  
ZONING - RR/CLD  
DEVELOPED
- 11 N/F  
PARCEL ID 10200013  
MILLIKEN CHARLES W  
ZONING - RR  
DEVELOPED
- 12 N/F  
PARCEL ID 061090  
CAMPSITE FREEWILL BAPTIST CHURCH  
ZONING - GENERAL USE  
VACANT
- 13 N/F  
PARCEL ID 078357  
WHITE JACKIE R  
ZONING - GENERAL USE  
VACANT
- 14 N/F  
PARCEL ID 090176  
WHITE JACKIE R  
ZONING - GENERAL USE  
VACANT



SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	
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**OVERALL MINE MAP**  
**WBM 4 SAND MINES 1-4**

**OWNER:**  
WBM 4, LLC  
6043 KINGTOWN RD.  
ASH, NC 28420

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.

2602 IRON GATE DR., SUITE 102 1429 ASH-LITTLE RIVER RD NW  
WILKINSON, NC 28680  
PHONE (910) 343-9635

Licence #C-3641

**22081**

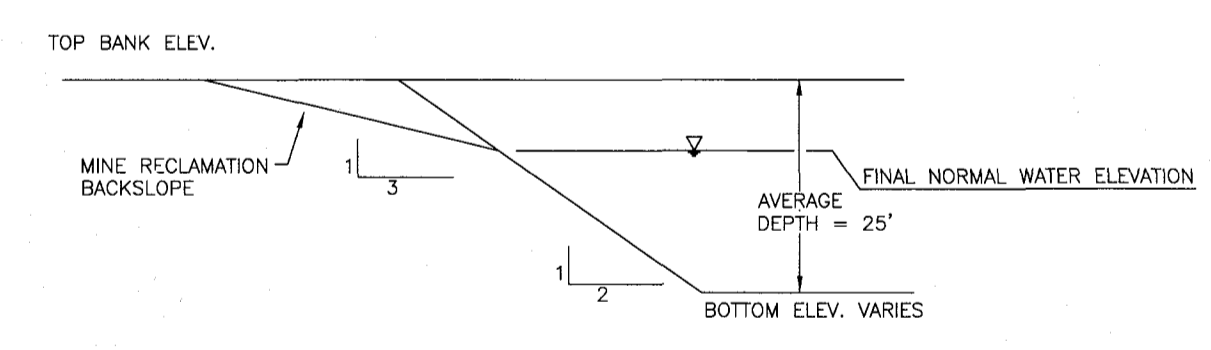
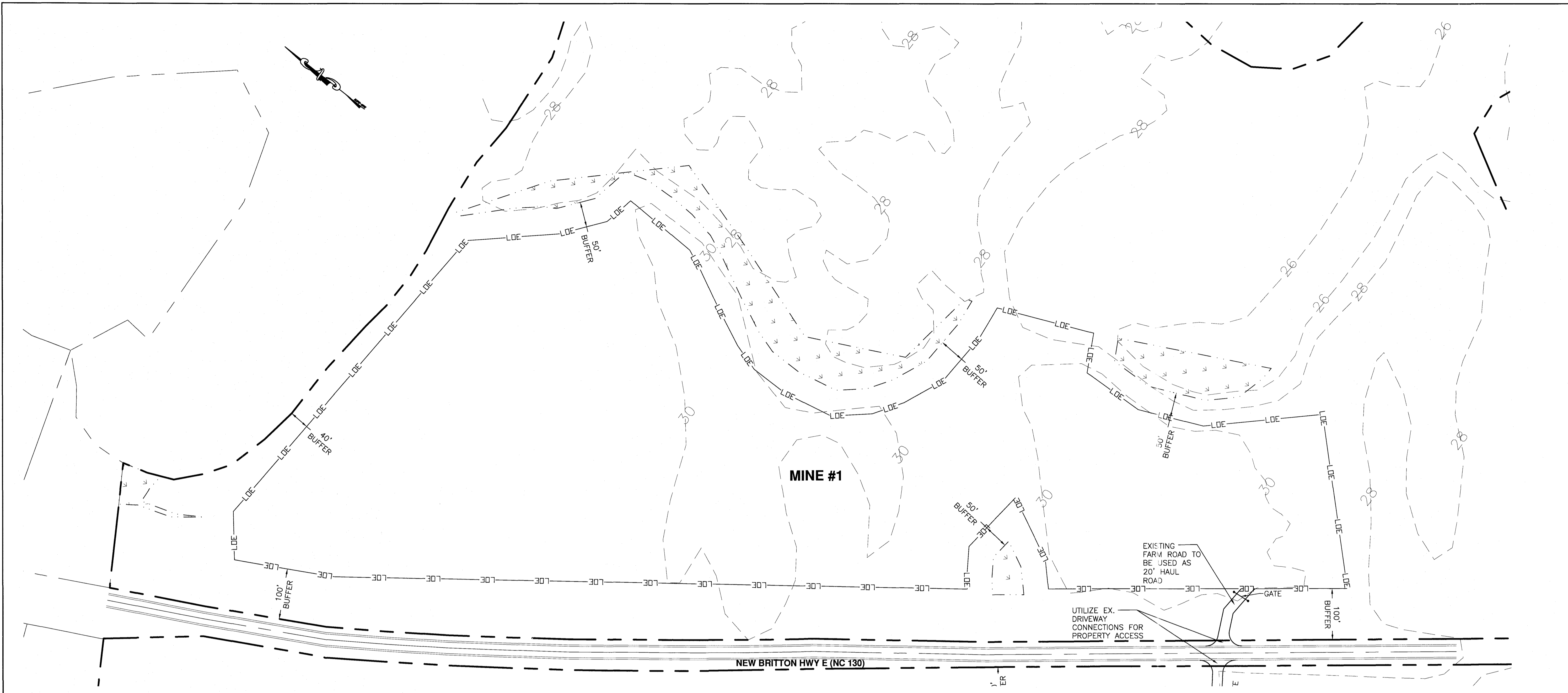
DES. JPN  
OKD. JPN  
DRWN. EDB

DATE 05/23/23

SEAL  
041620  
6/23/23  
ENGINEER  
JOSEPH K. BLAND

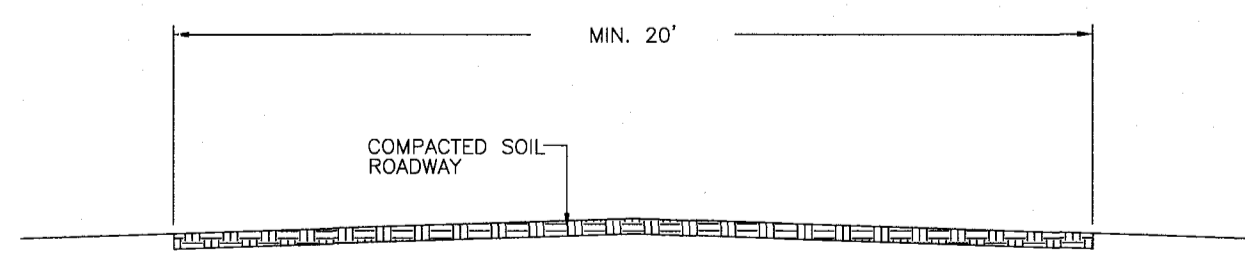
SCALE: 1" = 500'

**C1**



**MINE SLOPE & RECLAMATION CROSS SECTION**  
NTS

NOTES:  
1. DEPTH OF MINE WILL BE DICTATED BY SUITABLE MATERIAL.  
2. AT RECLAMATION ALL BANKS ABOVE NORMAL WATER WILL BE SLOPED & GRADED AT 4:1 & STABILIZED WITH GRASSING.



**HAUL ROAD SECTION**  
NTS

NOTES:  
1. MINING TO COMMENCE ON AN AS NEEDED BASIS.  
2. RECLAMATION IS REQUIRED PRIOR TO MINE CLOSE OUT.  
3. NO PERMANENT STRUCTURES OR PERMANENT EMPLOYEES ARE PROPOSED ON SITE.  
4. THE HOURS OF OPERATION WILL BE MONDAY THRU FRIDAY FROM 7:30 AM TO 5:00 PM.  
5. BUFFERS SHALL BE NATURAL VEGETATION SUPPLEMENTED WITH PLANTINGS AS NECESSARY TO MEET UDO REQUIREMENTS.  
6. ALL REQUIREMENTS OF SECTION 5.3.7.G.VF THE UDO SHALL BE MET.  
7. 8. MINE OPERATOR SHALL USE A WATER TRUCK TO CONTROL DUST ALONG THE HAUL ROAD AS NECESSARY.

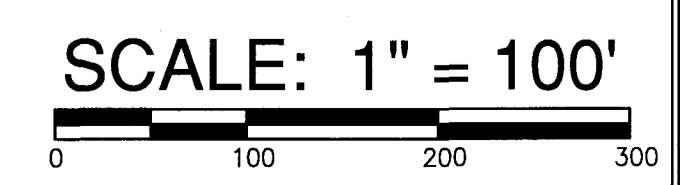
**LEGEND**

- PROPERTY LINE
- FL --- FL --- APPROXIMATE FLOOD PLAIN
- AE --- AE --- APPROXIMATE AE FLOOD LINE
- LDE --- LDE --- LIMITS OF EXCAVATION
- ..... WETLANDS AREA

**MINE #1 AREA TABLE**

PARCELS	ACREAGE
007510	
<b>TOTAL SITE AREA</b>	<b>94.96</b>
EXISTING WETLANDS	2.08
DISTURBED WETLANDS	0
UNDISTURBED WETLANDS	2.08

CATEGORY	ACREAGE
MINE EXCAVATION	22.82
PROCESSING AREA/HAUL ROADS	0.05
TAILINGS/SEDIMENT PONDS	0
STOCKPILES	0
WASTE PILES	0
BUFFER AREA / UPLAND AREA	72.09
<b>TOTAL AREA TO BE PERMITTED</b>	<b>94.96</b>



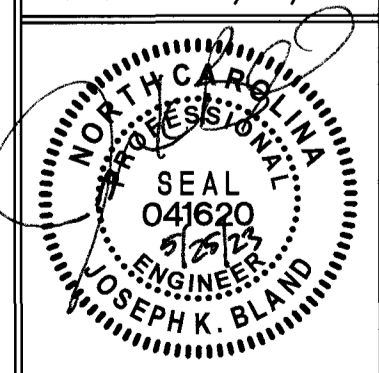
SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	
		© 2022 NORRIS & TUNSTALL	

**MINE MAP #1**  
**WBM 4 SAND PIT**  
COLUMBUS COUNTY, NORTH CAROLINA

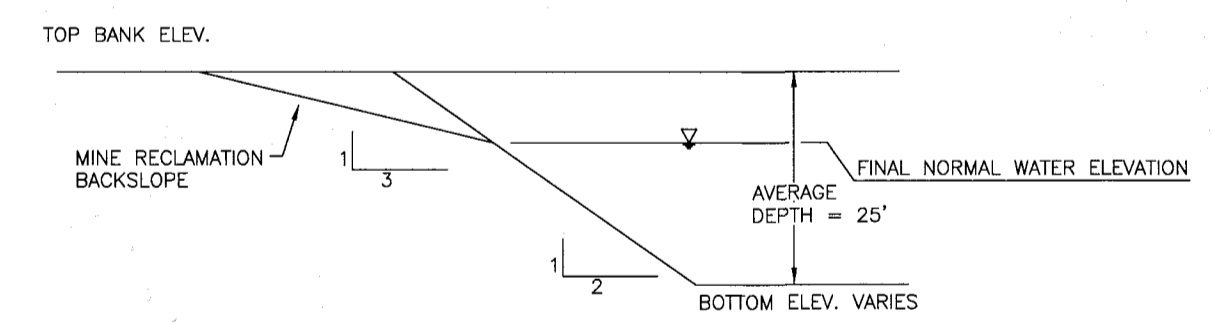
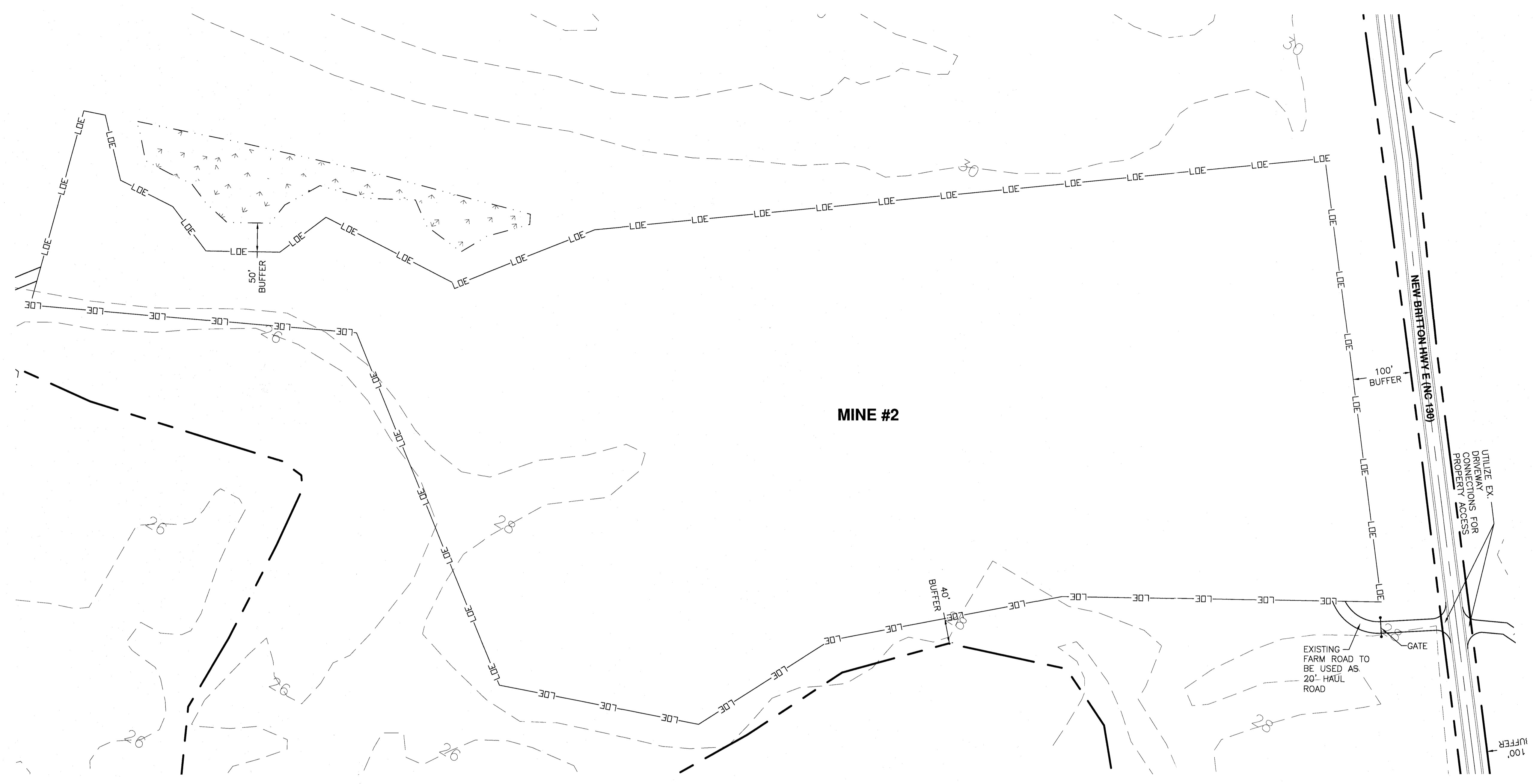
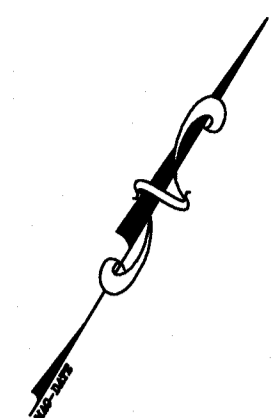
**OWNER:**  
WBM 4, LLC  
6043 KINGTOWN RD.  
ASH, NC 28420

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
2002 IRON GATE DR., SUITE 102 1429 ASH-LITTLE RIVER RD. NW  
WILMINGTON, NC 28412 ASH, NC 28420  
PHONE (910) 343-9653 PHONE (910) 287-5900

License #C-3641  
**22081**  
DES. JPN  
CDD. JPN  
DRWN. EDB  
DATE 05/23/23

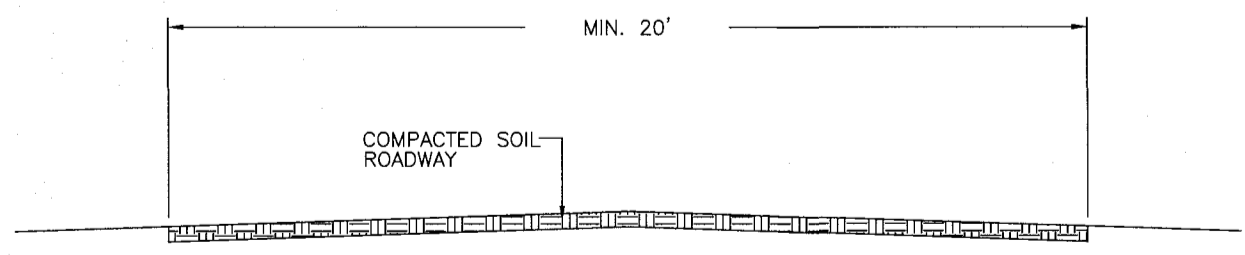


**C1.1**



**MINE SLOPE & RECLAMATION CROSS SECTION**  
NTS

NOTES:  
1. DEPTH OF MINE WILL BE DICTATED BY SUITABLE MATERIAL.  
2. AT RECLAMATION ALL BANKS ABOVE NORMAL WATER WILL BE SLOPED & GRADED AT 4:1 & STABILIZED WITH GRASSING.



**HAUL ROAD SECTION**  
NTS

NOTES:  
1. MINING TO COMMENCE ON AN AS NEEDED BASIS.  
2. RECLAMATION IS REQUIRED PRIOR TO MINE CLOSE OUT.  
3. NO PERMANENT STRUCTURES OR PERMANENT EMPLOYEES ARE PROPOSED ON SITE.  
4. THE HOURS OF OPERATION WILL BE MONDAY THRU FRIDAY FROM 7:30 AM TO 5:00 PM.  
5. BUFFERS SHALL BE NATURAL VEGETATION SUPPLEMENTED WITH PLANTINGS AS NECESSARY TO MEET UDD REQUIREMENTS.  
6. ALL REQUIREMENTS OF SECTION 5.3.7.2 OF THE UDD SHALL BE MET.  
7. MINE OPERATOR SHALL USE A WATER TRUCK TO CONTROL DUST ALONG THE HAUL ROAD AS NECESSARY.

**LEGEND**

- PROPERTY LINE
- FL — FL — APPROXIMATE FLOOD PLAN
- AE — AE — APPROXIMATE AE FLOOD LINE
- LOE — LOE — LIMITS OF EXCAVATION
- ..... WETLANDS AREA

**MINE #2 AREA TABLE**

PARCELS	ACREAGE
TOTAL SITE AREA	180.04
EXISTING WETLANDS	1.15
DISTURBED WETLANDS	0
UNDISTURBED WETLANDS	1.15

CATEGORY	ACREAGE
MINE EXCAVATION	30.80
PROCESSING AREA/HAUL ROADS	0.09
TAILINGS/SEDIMENT PONDS	0
STOCKPILES	0
WASTE PILES	0
BUFFER AREA / UPLAND AREA	149.15
TOTAL AREA TO BE PERMITTED	180.04

SCALE: 1" = 100'

SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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**MINE MAP #2**  
**WBM 4 SAND PIT**  
COLUMBUS COUNTY, NORTH CAROLINA

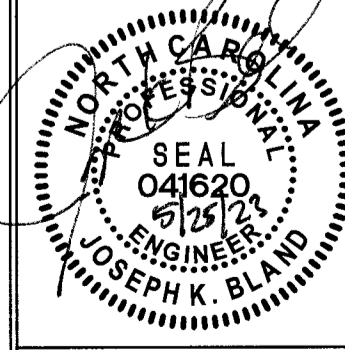
**OWNER:**  
WBM 4, LLC  
6043 KINGTOWN RD.  
ASH, NC 28420

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
2602 IRON GATE DR., SUITE 102 WILMINGTON, NC 28412  
1429 ASH-LITTLE RIVER RD. NW WILMINGTON, NC 28420  
PHONE (910) 343-9653

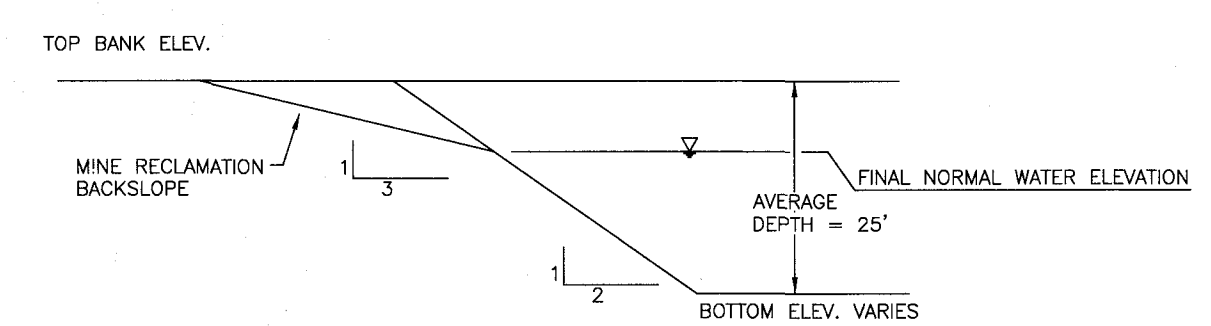
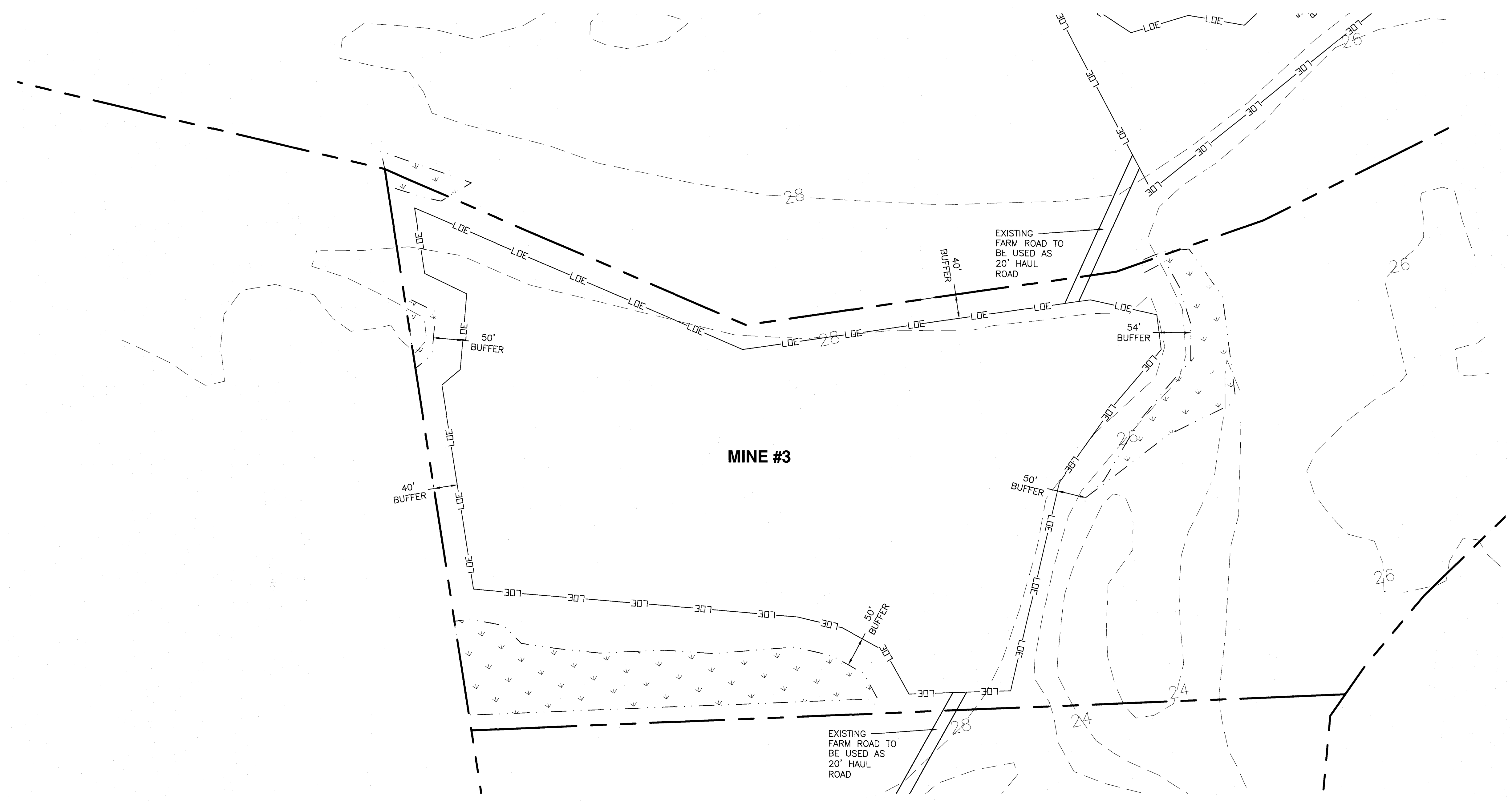
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CKD. JPN  
DRWN. EDB  
DATE 05/23/23

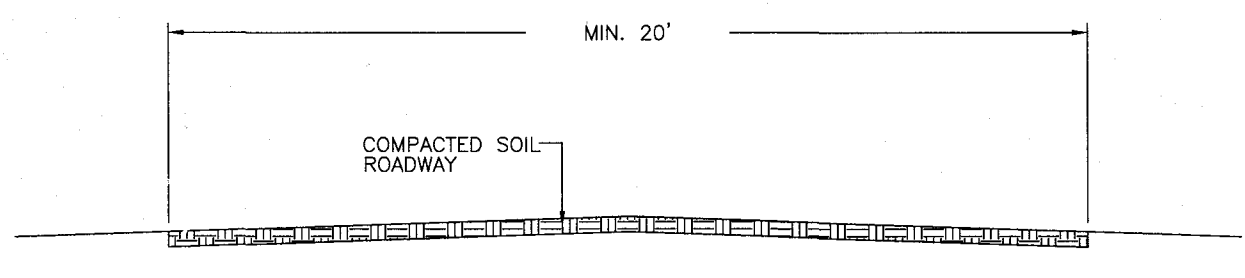


**C1.2**



**MINE SLOPE & RECLAMATION CROSS SECTION**  
NTS

NOTES:  
1. DEPTH OF MINE WILL BE DICTATED BY SUITABLE MATERIAL.  
2. AT RECLAMATION ALL BANKS ABOVE NORMAL WATER WILL BE SLOPED & GRADED AT 4:1 & STABILIZED WITH GRASSING.



**HAUL ROAD SECTION**  
NTS

NOTES:  
1. MINING TO COMMENCE ON AN AS NEEDED BASIS.  
2. RECLAMATION IS REQUIRED PRIOR TO MINE CLOSE OUT.  
3. NO PERMANENT STRUCTURES OR PERMANENT EMPLOYEES ARE PROPOSED ON SITE.  
4. THE HOURS OF OPERATION WILL BE MONDAY THRU FRIDAY FROM 7:30 AM TO 5:00 PM.  
5. BUFFERS SHALL BE NATURAL VEGETATION SUPPLEMENTED WITH PLANTINGS AS NECESSARY TO MEET UDD REQUIREMENTS.  
6. ALL REQUIREMENTS OF SECTION 5.3.7.2 OF THE UDD SHALL BE MET.  
7. MINE OPERATOR SHALL USE A WATER TRUCK TO CONTROL DUST ALONG THE HAUL ROAD AS NECESSARY.

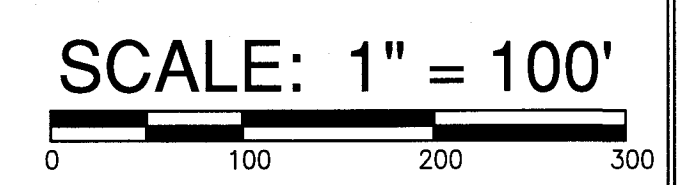
**LEGEND**

- PROPERTY LINE
- FL FL APPROXIMATE FLOOD PLAIN
- AE AE APPROXIMATE AE FLOOD LINE
- LOE LOE LIMITS OF EXCAVATION
- WETLANDS AREA

**MINE #3 AREA TABLE**

PARCELS	ACREAGE
007509	
TOTAL SITE AREA	32.24
EXISTING WETLANDS	2.30
DISTURBED WETLANDS	0
UNDISTURBED WETLANDS	2.30

CATEGORY	ACREAGE
MINE EXCAVATION	11.22
PROCESSING AREA/HAUL ROADS	0.12
TAILINGS/SEDIMENT PONDS	0
STOCKPILES	0
WASTE PILES	0
BUFFER AREA / UPLAND AREA	20.90
TOTAL AREA TO BE PERMITTED	32.24



SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	
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**MINE MAP #3**  
**WBM 4 SAND PIT**

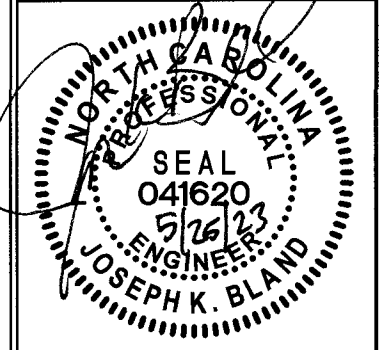
**OWNER:**  
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6043 KINGTOWN RD.  
ASH, NC 28420

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
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WILMINGTON, NC 28412 ASH, NC 28420  
PHONE (910) 343-9653 PHONE (910) 287-5900

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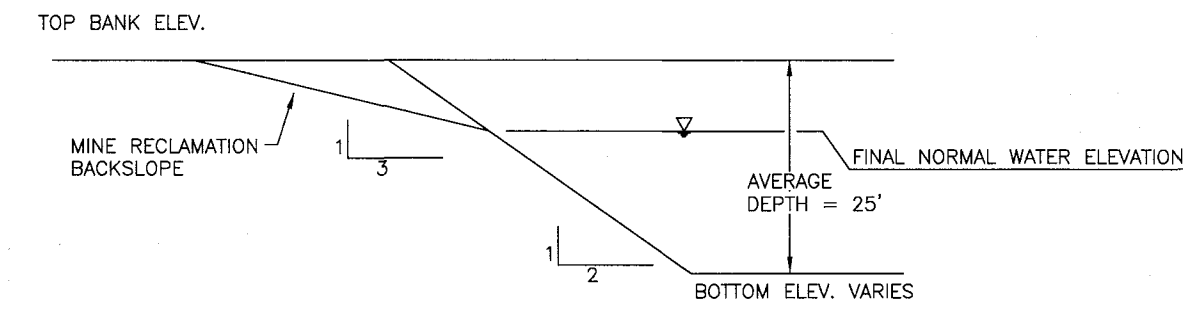
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CKD. JPN  
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DATE 05/23/23



**C1.3**

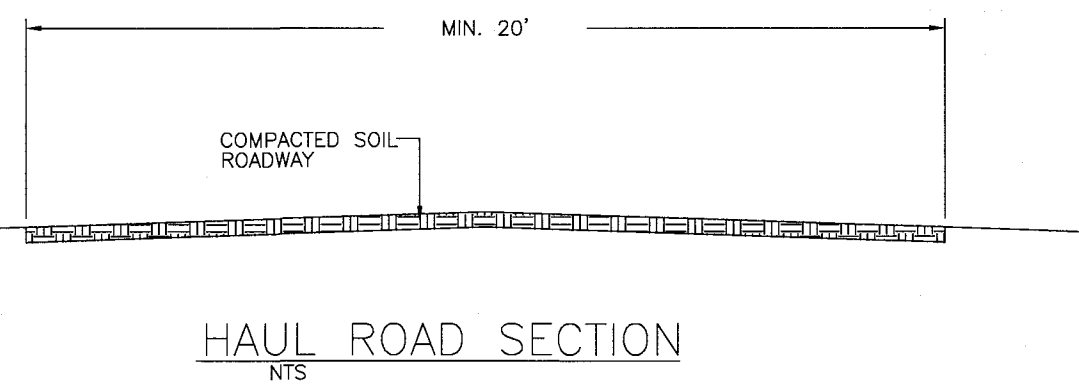
# LEGEND

- PROPERTY LINE
- FL — FL — APPROXIMATE FLOOD PLAIN
- AE — AE — APPROXIMATE AE FLOOD LINE
- LDE — LDE — LIMITS OF EXCAVATION
- WETLANDS AREA



**MINE SLOPE & RECLAMATION CROSS SECTION**  
NTS

NOTES:  
1. DEPTH OF MINE WILL BE DICTATED BY SUITABLE MATERIAL.  
2. AT RECLAMATION ALL BANKS ABOVE NORMAL WATER WILL BE SLOPED & GRADED AT 4:1 & STABILIZED WITH GRASSING.



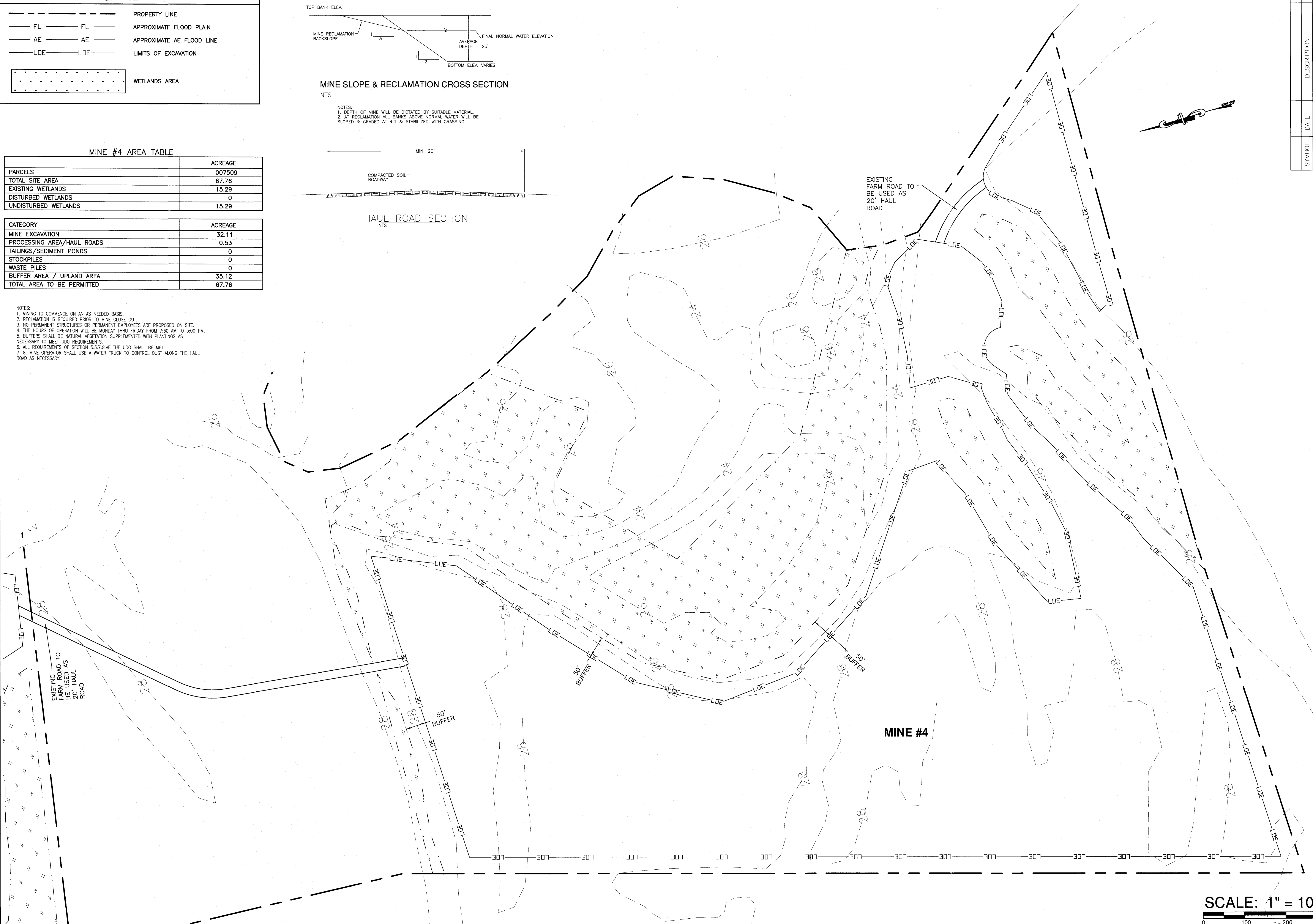
**HAUL ROAD SECTION**  
NTS

**MINE #4 AREA TABLE**

PARCELS	ACREAGE
TOTAL SITE AREA	007509
EXISTING WETLANDS	67.76
DISTURBED WETLANDS	15.29
UNDISTURBED WETLANDS	0
TOTAL AREA TO BE PERMITTED	15.29

CATEGORY	ACREAGE
MINE EXCAVATION	32.11
PROCESSING AREA/HAUL ROADS	0.53
TAILINGS/SEDIMENT PONDS	0
STOCKPILES	0
WASTE PILES	0
BUFFER AREA / UPLAND AREA	35.12
TOTAL AREA TO BE PERMITTED	67.76

NOTES:  
1. MINING TO COMMENCE ON AN AS NEEDED BASIS.  
2. RECLAMATION IS REQUIRED PRIOR TO MINE CLOSE OUT.  
3. NO PERMANENT STRUCTURES OR PERMANENT EMPLOYEES ARE PROPOSED ON SITE.  
4. THE HOURS OF OPERATION WILL BE MONDAY THRU FRIDAY FROM 7:30 AM TO 5:00 PM.  
5. BUFFERS SHALL BE NATURAL VEGETATION SUPPLEMENTED WITH PLANTINGS AS NECESSARY TO MEET UDO REQUIREMENTS.  
6. ALL REQUIREMENTS OF SECTION 5.3.7.6.VF THE UDO SHALL BE MET.  
7. & MINE OPERATOR SHALL USE A WATER TRUCK TO CONTROL DUST ALONG THE HAUL ROAD AS NECESSARY.



SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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**MINE MAP #4**  
**WBM 4 SAND PIT**

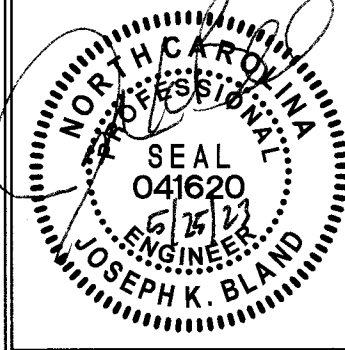
**OWNER:**  
WBM 4, LLC  
6045 KINGTOWN RD.  
ASH, NC 28420

**NORRIS & TUNSTALL**  
CONSULTING ENGINEERS P.C.  
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PHONE (910) 343-9653 PHONE (910) 287-5960

Licence #C-3641

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DES. JPN  
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DATE 05/23/23



**SCALE: 1" = 100'**

**C1.4**