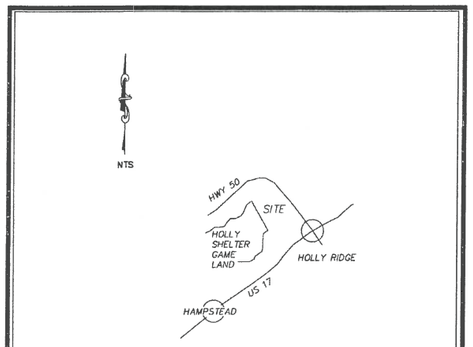
OAK ISLAND PARTNERS SAND MINE PHASE II

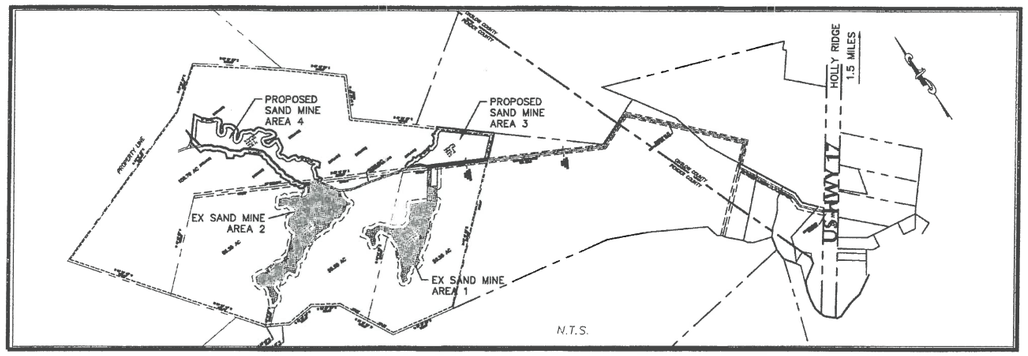
JANUARY, 2017

PENDER COUNTY, NORTH CAROLINA

RECEIVED
JUN 16 2017
PENDER PLANNING DEPT.



VICINITY MAP



OWNER

OAK ISLAND PARTNERS, LLC
806 NORTH 23rd STREET
WILMINGTON, NC 28405
TEL: 910.398.6138

PORT CITY CONSULTING ENGINEERS, PLLC
6216 STONEBRIDGE ROAD
WILMINGTON, NC 28409
910-599-1744 LICENSE No. P-1032

NORTH CAROLINA PROFESSIONAL SEAL 019742 ENGINEER MARK N. MARGROVE 6/15/17

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Approved by the Pender County Unified Development Administrator

Name Date

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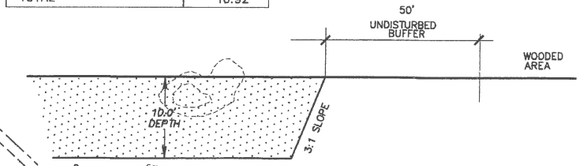
*Site plan valid for two years from approval date

CATEGORY	AFFECTED ACREAGE
TAILINGS	0
SEDIMENT PONDS	0
STOCKPILES	0.85
WASTE PILES	0
PROCESSING AREA & HAUL ROADS	0.90
MINE EXCAVATION	15.17
OTHER	0
TOTAL	16.92

NOTES:
1. UNEXCAVATED BUFFER IS NOT INCLUDED IN THE AFFECTED MINE BOUNDARY.
2. THERE ARE NO WETLANDS WITHIN THE 50 FT UNEXCAVATED BUFFER.
3. HAUL ROAD AREA INCLUDES HAUL ROADS INSIDE OF THE AFFECTED AREA.
4. MINE WILL BE CONSTRUCTED IN PHASES. IT WILL BE DUG AS SAND IS NEEDED.



SECTION A-A
NTS

Approved by the Pender County Unified Development Administrator

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4227-18-2935-0000
OAK ISLAND LAND AND TIMBER, LLC
806 N. 23RD STREET
WILMINGTON, NC 28405
RA – (VACANT)

PROPERTY LINE

N 72° 17' 25" E
2530.93'

N 54° 34' 40" E
688.60'

S 50° 57' 50" E
1208.36'

S 47° 43' 35" E
890.94'

S 28° 50' 30" W
586.02'

N 35° 30' 45" W
1501.10'

N 49° 14' 05" E
1397.11'

1515.36'

60' EASEMENT

N 35° 30' 45" W
1351.34'

N 49° 14' 05" E
2012.72'

N 58° 00' 45" W
82.90'

N 58° 00' 45" W
266.34'

S 85° 58' 00" W
386.80'

N 35° 27' 00" W
383.05'

452.01'

N 26° 16' 05" E
837.97'

S 60° 40' 05" E
5656.18'

1353.98'

S 47° 52' 45" E
1975.85'

N 49° 14' 05" E
2102.59'

N 49° 14' 05" E
2074.44'

2460.41'

EXISTING ACCESS ROADS

50' BUFFER

(WETLANDS)

30.0' REAR YARD SETBACK

15.0' SIDE YARD SETBACK

50.0' UNDISTURBED BUFFER "TYPE B BUFFER"

159.70 AC

PERMITTED SAND MINE AREA 4
15.36 AC

RELOCATED 20' ACCESS ROAD

56.25 AC

PREVIOUSLY PERMITTED SAND MINE AREA 2

EXISTING 20 FT COMPACTED SOIL ROAD

PREVIOUSLY CONSTRUCTED BORROW PIT

STOCK PILE AREA FOR AREA 3

PERMITTED SAND MINE AREA 3
9.21 AC

PREVIOUSLY PERMITTED SAND MINE AREA 1

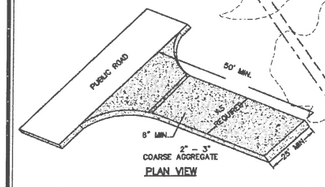
60.0' ACCESS EASEMENT

EXISTING COMPACTED SOIL ROAD

4227-56-5933-000
ONWASA
228 GEORGETOWN RD
JACKSONVILLE, NC 28450

4227-72-3693-000
DANNY OTTAWAY
10401 CHAPEL HILL RD
MORRISVILLE, NC 28450

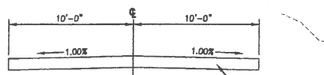
4227-70-2885-000
CECIL HICKS
OFF US HWY 17
184 COUNTY ROAD 744
FLAT ROCK, AL 35966
RA – (VACANT)



PLAN VIEW

SECTION VIEW

TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



ACCESS ROAD SECTION
N.T.S.

NOTE:
- UTILITIES ARE NOT NEED FOR THIS PROJECT
- EXISTING VEGETATION WILL BE USED FOR BUFFERS

SITE DATA TABULATION	
NAME OF DEVELOPMENT	OAK ISLAND PARTNERS SAND MINE
OWNER INFORMATION	OAK ISLAND PARTNERS, LLC
DESIGNER INFORMATION	PORT CITY CONSULTING ENGINEERS, PLLC 6216 STONEBRIDGE ROAD WILMINGTON, NC 28409 910-599-1744
PROJECT ADDRESS	OFF US HWY 17
PARCEL I.D. NUMBERS	4227-33-2015-0000 4227-42-3351-0000 4227-51-3640-0000 4227-18-2935-0000
ZONING DISTRICT	RA
MINING BUFFER	50'
CAMA LAND USE CLASSIFICATION	RURAL GROWTH
TOTAL PROPERTY AREA	328.45 ACRES

NORTH CAROLINA PROFESSIONAL SEAL 019742 ENGINEER MARY N. HARGROVE

GRAPHIC SCALE
200 0 100 200 400
1 Inch = 200 ft.

No.	Revision	Date	By

Designer	MNH	Scale	AS SHOWN
Drawn By	MNH	Date	JANUARY, 2017
Checked By	MNH	Job No.	

OAK ISLAND PARTNERS SAND MINE
PHASE II
HOLLY RIDGE TOWNSHIP PENDER NORTH CAROLINA

OAK ISLAND PARTNERS, LLC
806 N. 23RD STREET
WILMINGTON, NC 28405

PORT CITY CONSULTING ENGINEERS, PLLC
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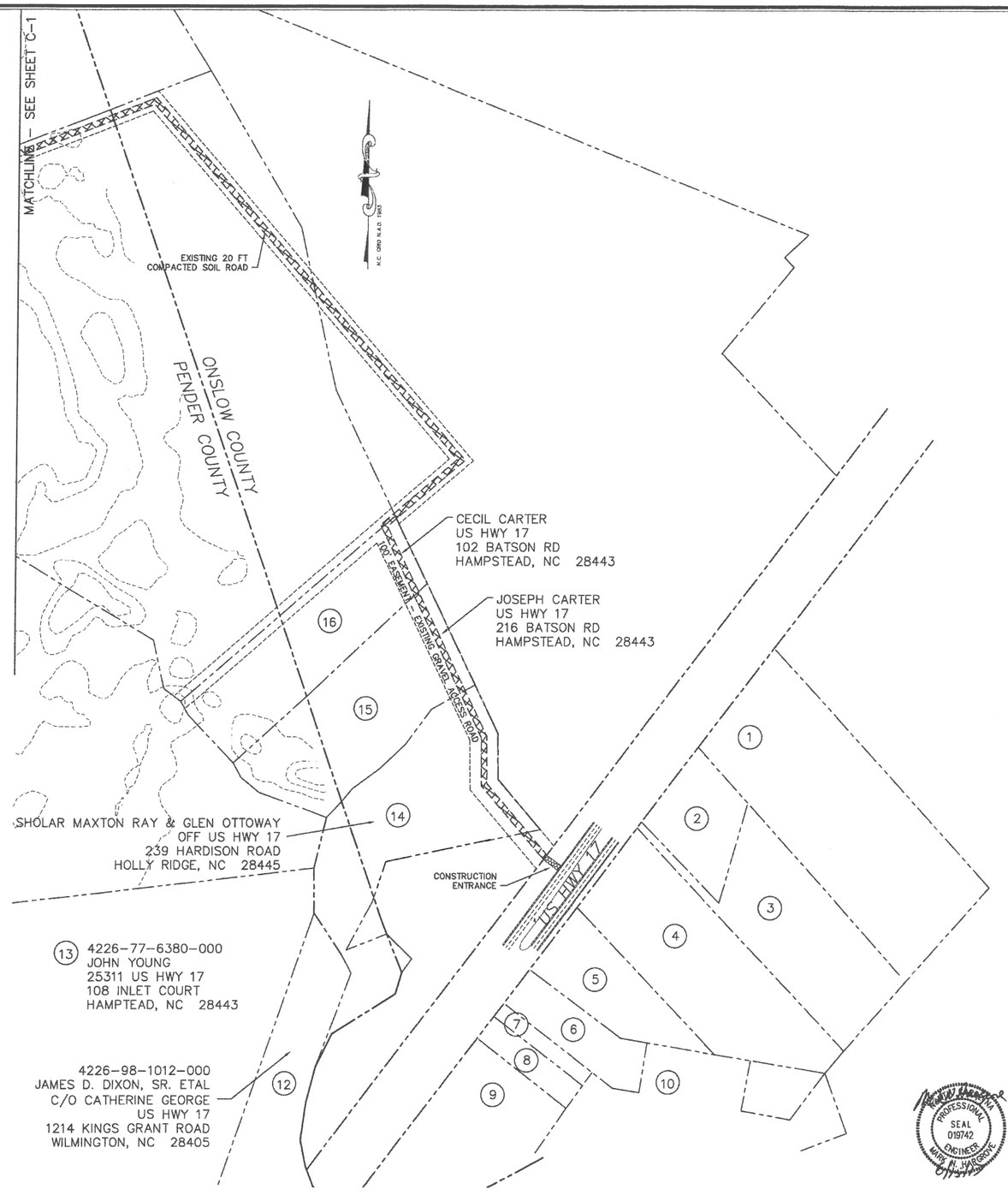
OVERALL SAND MINE PLAN

Sheet No. C-1



GRAPHIC SCALE
200 0 100 200 400
1 inch = 200 ft.

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1 MARY OTTAWAY
501 US HWY 17 N
HOLLY RIDGE, NC 28445

2 BEN & LINDA HANSEN
872 US HWY 17 N
124 DRAKE ROAD
HAMPSTEAD, NC 28443

3 MARK A. SHIELDS
878 US HWY 17 N
P.O. BOX 645
HOLLY RIDGE, NC 28445

4 SHOLAR MAXTON RAY
& GLEN OTTAWAY
US HWY 17
239 HARDISON ROAD
HOLLY RIDGE, NC 28445

5 SHOLAR MAXTON RAY
& GLEN OTTAWAY
US HWY 17
239 HARDISON ROAD
HOLLY RIDGE, NC 28445

6 NINE MILE, LLC
976 US HWY 17
13179 LAKEHILL DRIVE
NOKESVILLE, VA. 20181

7 HOLDENS UNLIMITED LLC
HOLDEN ROAD
P.O. BOX 726
HOLLY RIDGE, NC 28445

8 WILLIAM & PAMELA BULLARD
1000 HIGHWAY 17 S
HOLLY RIDGE, NC 28445

9 WILLIAM A. BULLARD
1000 HIGHWAY 17 S
HOLLY RIDGE, NC 28445

10 HOLDENS UNLIMITED, LLC
127 MERRY LANE
P.O. BOX 726
HOLLY RIDGE, NC 28445

NORTH CAROLINA PROFESSIONAL SEAL 019742 ENGINEER MARK H. HARGROVE

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1	REVISED PER STATE COMMENTS	6/15/17	MNH

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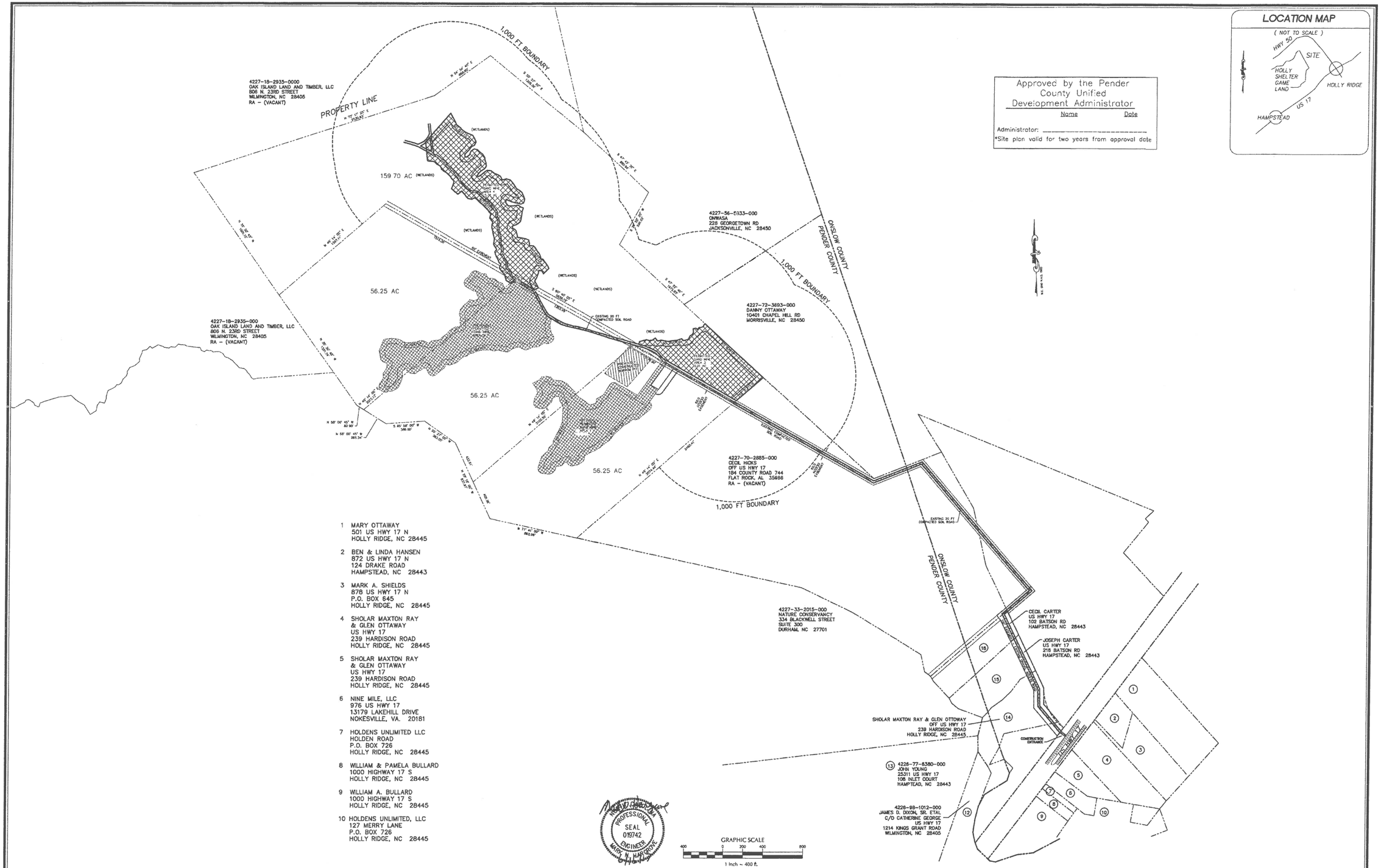
OVERALL SAND MINE PLAN

Sheet No. C-2



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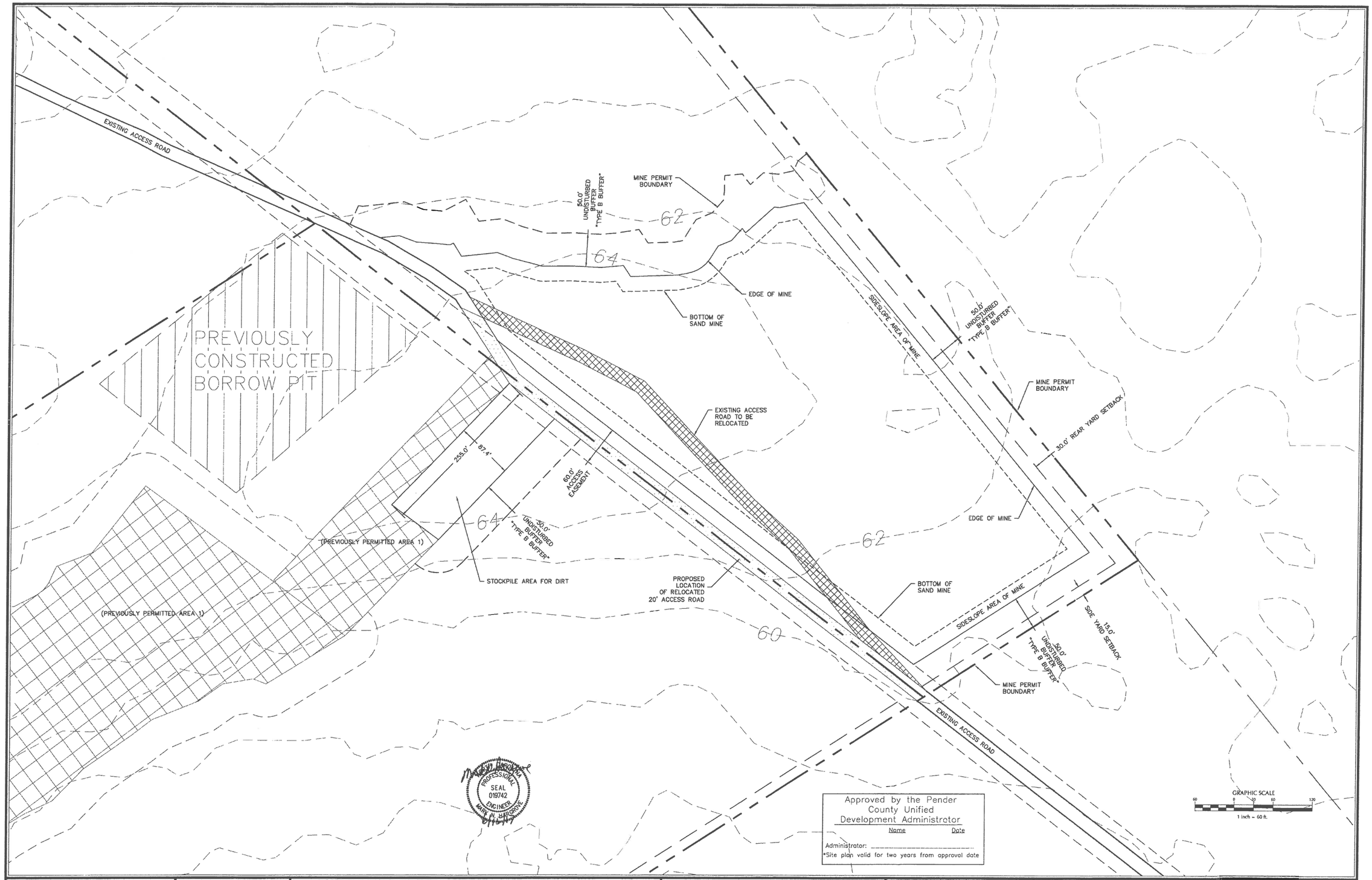
ADJOINING PROPERTY OWNERS

Sheet No.
C-3



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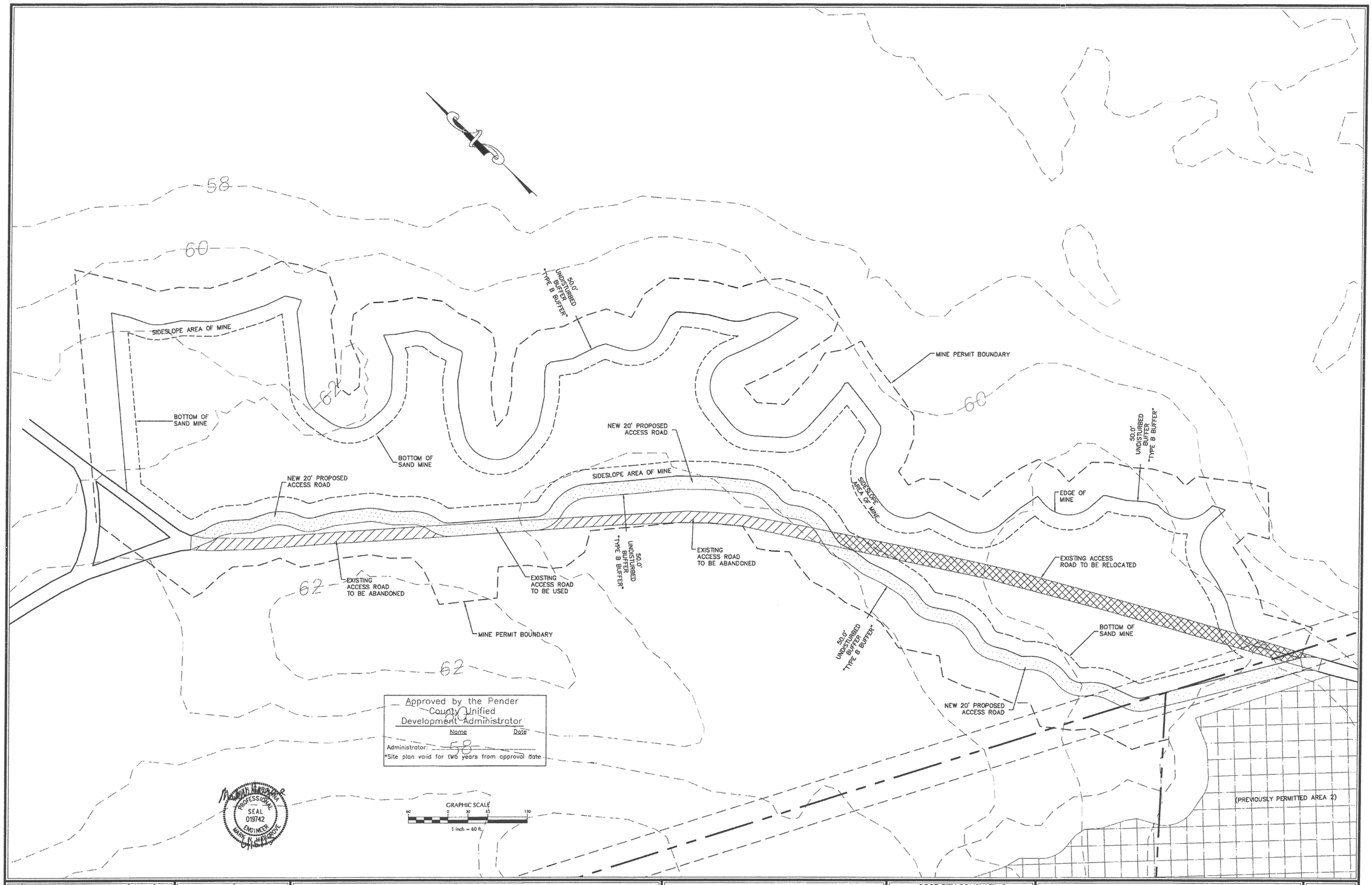
SAND MINE PLAN - AREA 3

Sheet No. C-4



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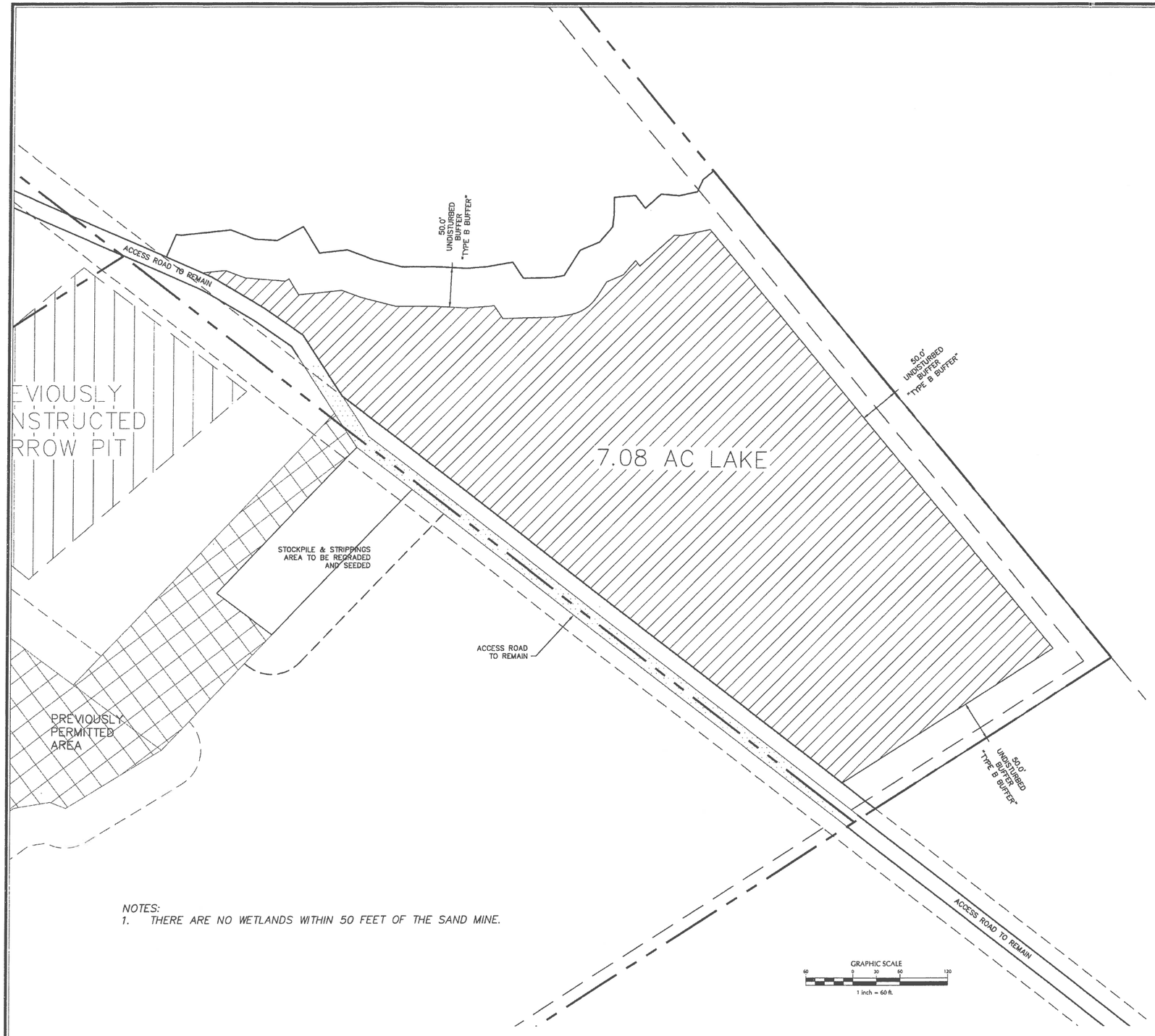
SAND MINE PLAN - AREA 4

Sheet No. C-5



NOTES:
1. THERE ARE NO WETLANDS WITHIN 50 FEET OF THE SAND MINE.

PERMANENT SEEDING SCHEDULE

Seeding Mixture

SPECIES	RATE (LB/ACRE)
CAROLINA COASTAL SEED MIX (BLEND)	200

Seeding Dates
MARCH – JUNE

Soil Amendments
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 300 LB/ACRE 10–10–10 FERTILIZER.

CHECK WITH OWNER PRIOR TO APPLYING. ALL CHEMICALS MUST BE PREAPPROVED BY GE.

Mulch
DO NOT MULCH.

Maintenance By Owner
FERTILIZE VERY SPARINGLY LB/ACRE NITROGEN IN SPRING WITH NO PHOSPHORUS. CENTIPEDE GRASS CANNOT TOLERATE HIGH PH OR EXCESS FERTILIZER.

TEMPORARY SEEDING–LATE WINTER/EARLY SPRING

Seeding Mixture

WINTER AND EARLY SPRING

SPECIES	RATE (LB/ACRE)
Rye (GRAIN)	
ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SUMMER

SPECIES	RATE (LB/ACRE)
GERMAN MILLET	40

FALL

SPECIES	RATE (LB/ACRE)
RYE (GRAIN)	120

Seeding dates
COASTAL PLAIN – DEC.1–APR. 15 – LATE WINTER AND EARLY SPRING
APRIL 15 – AUG. 15 – SUMMER
AUG. 15 – DEC. 30 – FALL

Soil amendments
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10–10–10 FERTILIZER.

Mulch
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

Maintenance
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

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PROFESSIONAL SEAL 019742 ENGINEER MARK N. HARGROVE 01/19/17

RECLAMATION CALCULATIONS

TOTAL PERMITTED AREA
TOTAL AFFECTED AREA = 16.92 AC

RECLAMATION AREA

RECLAIMED LAKE = 15.17 AC

RECLAIMED STORAGE AREA AND HAUL ROADS = 0.85 AC

HAUL ROADS TO REMAIN THAT ARE EXISTING = 0.90 AC

TOTAL RECLAMATION AREA = 16.92 AC

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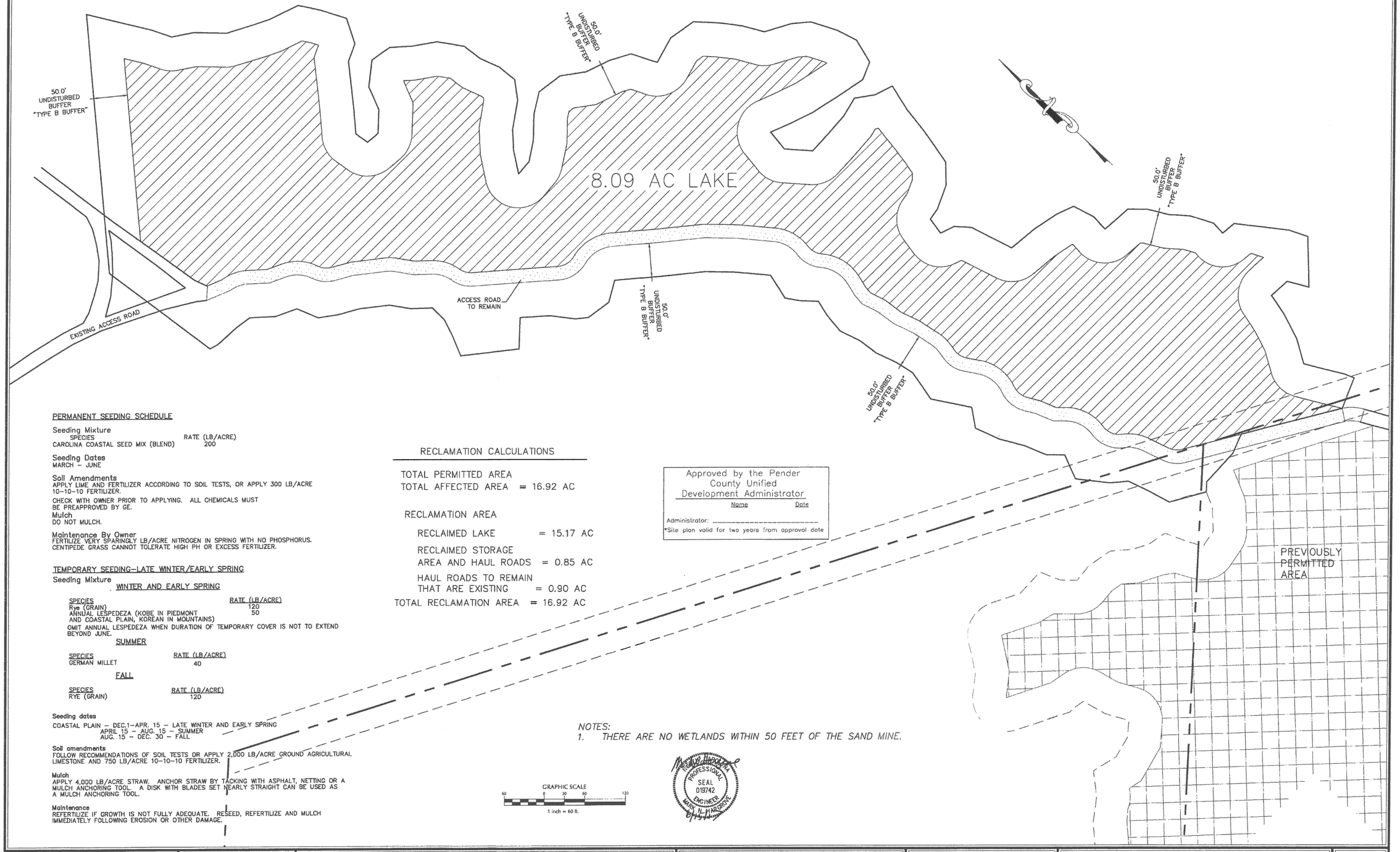
RECLAMATION PLAN - AREA 3

Sheet No. C-6



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RECLAMATION PLAN - AREA 4

Sheet No. C-7