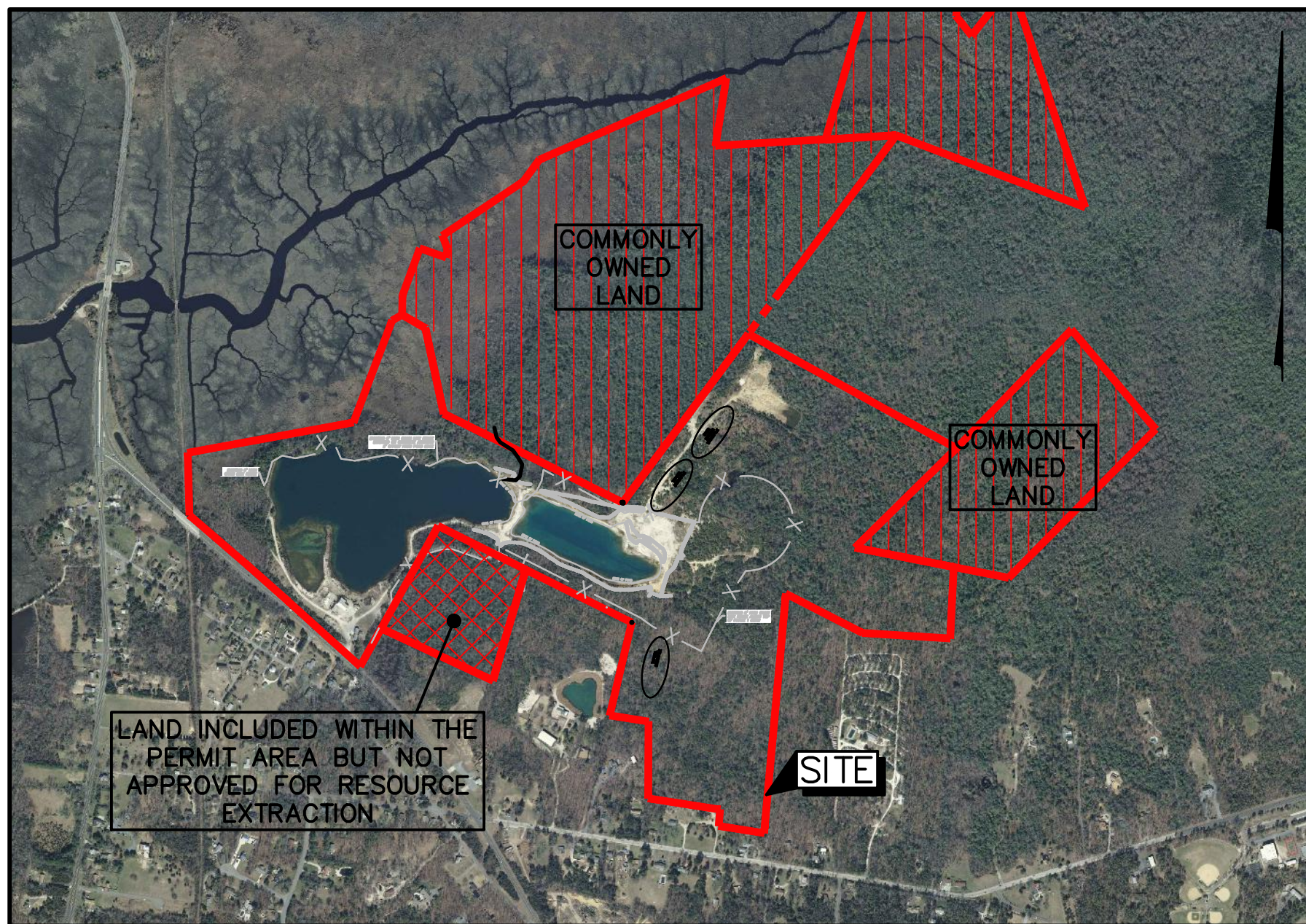


CAPE CONCRETE 2021 PERMIT RENEWAL PLANS

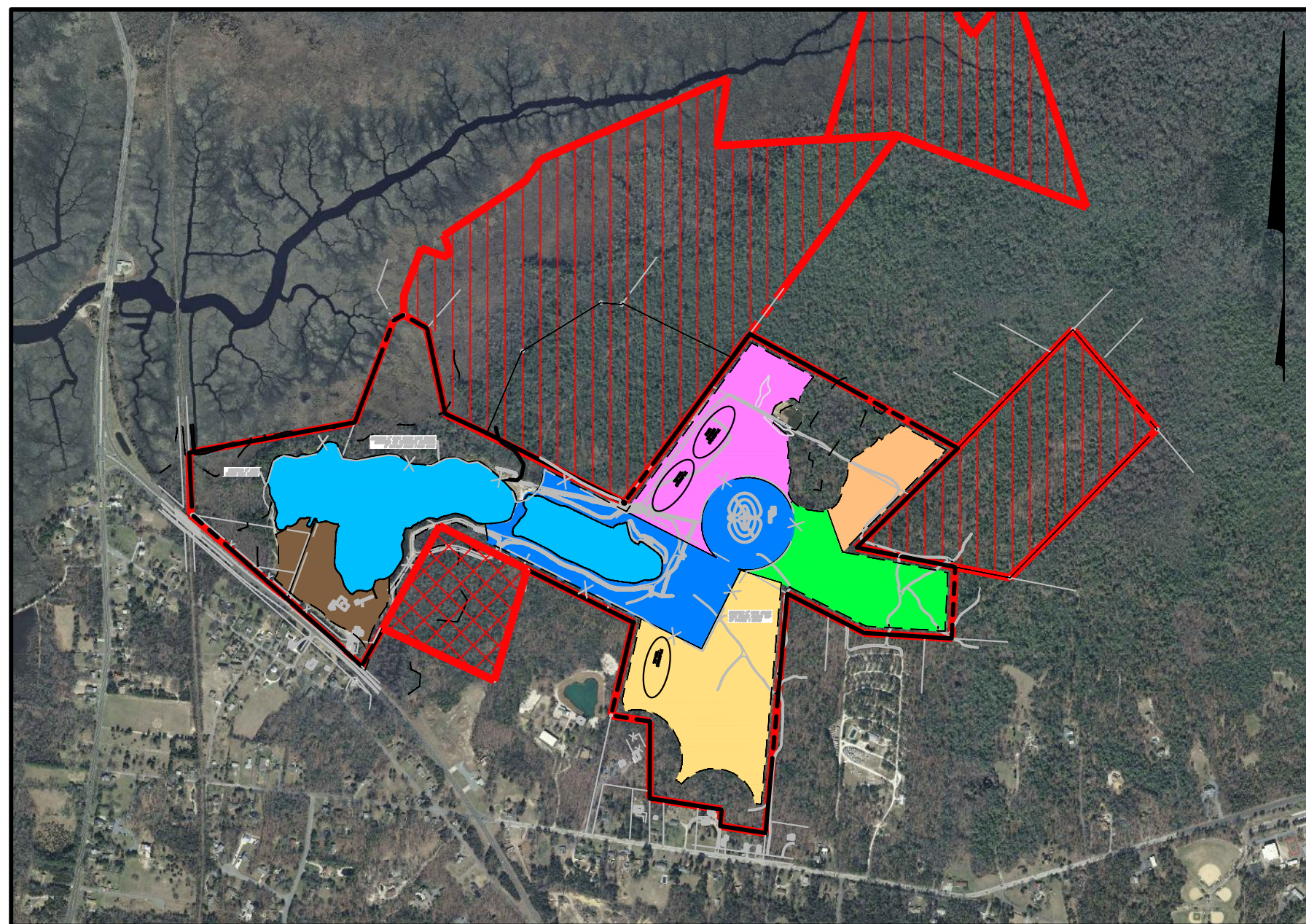
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79

TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY

PROPOSED RESOURCE EXTRACTION PLAN



AERIAL MAP
SCALE: 1" = 1,000'



SITE RENDERING
SCALE: 1" = 2,000'



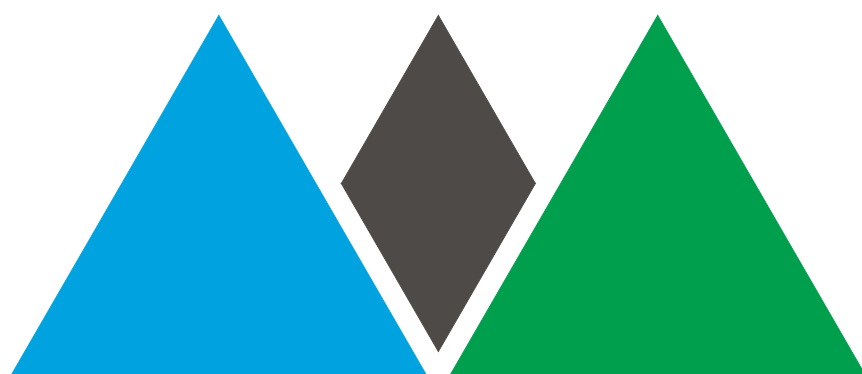
SITE PHOTO
NOT TO SCALE

APPLICANT:

HANSON AGGREGATES PENNSYLVANIA, LLC

7660 IMPERIAL WAY

ALLENTOWN, PENNSYLVANIA 18195



MARATHON

Engineering & Environmental Services

3 Killdeer Court, Suite 302, Swedesboro, NJ 08085

1616 Pacific Avenue, Suite 501, Atlantic City, NJ 08401

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

OWNER

HANSON AGGREGATES PENNSYLVANIA, LLC
7660 IMPERIAL WAY
ALLENTOWN, PENNSYLVANIA 18195

APPLICANT

HANSON AGGREGATES PENNSYLVANIA, LLC
7660 IMPERIAL WAY
ALLENTOWN, PENNSYLVANIA 18195

APPLICANT'S INTENT

THE APPLICANT, HANSON AGGREGATES BMC, INC., IS SEEKING THE RENEWAL OF AN EXISTING RESOURCE EXTRACTION PERMIT ON BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 WITHIN THE TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY. THE SITE IS LOCATED WITHIN THE MODERATE DENSITY RESIDENTIAL (R3), LOW DENSITY RESIDENTIAL (R10) AND BUSINESS (B) ZONING DISTRICTS AS INDICATED ON THE OFFICIAL ZONING MAP OF THE TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY.

GENERAL NOTES:

1. THE SOLE PURPOSE FOR THE PREPARATION OF THESE PLANS IS TO SECURE DEVELOPMENT APPROVAL FROM CERTAIN GOVERNMENTAL AGENCIES AS AGREED BETWEEN THE APPLICANT AND MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. THEY ARE NOT INTENDED TO BE USED AS FORMAL CONTRACT DOCUMENTS. SUCH USE BY ANYONE SHALL NOT BE INTERPRETED TO IMPLY ANY CONTRACTUAL RELATIONSHIP BETWEEN THAT PERSON AND MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. FOR PROFESSIONAL SERVICES INVOLVED IN THE CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THESE PLANS, UNLESS THERE IS A FORMAL WRITTEN AGREEMENT BETWEEN THAT PERSON AND MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. TO PROVIDE THOSE SERVICES.
2. ALL IMPROVEMENTS PROPOSED ON THESE PLANS AND ALL MATERIALS THAT ARE TO BE INCORPORATED THEREIN SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2007 AND AS AMENDED TO DATE, UNLESS SHOWN OTHERWISE.

APPROVALS

DENNIS TOWNSHIP PLANNING BOARD

PURSUANT TO THE MUNICIPAL LAND USE LAW (1975) OF THE STATE OF NEW JERSEY, AND THE LAND SUBDIVISION ORDINANCE OF THE TOWNSHIP OF DENNIS TOWNSHIP IN THE COUNTY OF CAPE MAY THIS PLAT IS APPROVED BY THE PLANNING BOARD OF THE SAID MUNICIPALITY.

CHAIRMAN	DATE
SECRETARY	DATE
MUNICIPAL CLERK	DATE
BOARD ENGINEER	DATE

PROJECT DIRECTORY

OWNER / APPLICANT HANSON AGGREGATES BMC, INC. 7660 IMPERIAL WAY ALLENTOWN, PENNSYLVANIA 18195 PHONE (610) 253-4271 CONTACT: DAVID HILL	APPLICANT'S ATTORNEY TEDESCO, GRUCCIO & RUESS 727 LANDIS AVENUE, P.O. BOX 1327 VINELAND, NEW JERSEY 08362 PHONE (856) 691-1600 CONTACT: ROCCO J. TEDESCO, ESQ.
DESIGN ENGINEER MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. 1616 PACIFIC AVENUE, SUITE 501 ATLANTIC CITY, NEW JERSEY 08401 PHONE (609) 437-2100 CONTACT: JESSE DOUGHERTY, P.E.	CAPE MAY COUNTY DEPARTMENT OF PUBLIC WORKS, DIVISION OF ENGINEERING P.O. BOX 719, 4 MOORE ROAD CAPE MAY COURTHOUSE, NEW JERSEY 08210 PHONE (609) 465-1035 CONTACT: DALE FOSTER
DENNIS TOWNSHIP PLANNING BOARD ENGINEER ANDREW A. PREVITI, P.E. 156 STAGECOACH ROAD MARMORA, NEW JERSEY 08223 PHONE (609) 390-1927 CONTACT: ANDREW A. PREVITI, P.E.	NEW JERSEY DEPARTMENT OF TRANSPORTATION ROUTE 70 & TURNPIKE CHERRY HILL, NEW JERSEY 08034 PHONE (609) 530-2110 CONTACT: JAMES STEVENSON
DENNIS TOWNSHIP PLANNING BOARD ADMINISTRATOR P.O. BOX 204, 571 PETERSBURG ROAD DENNISVILLE, NEW JERSEY 08214 PHONE (609) 861-9705 CONTACT: EILEEN MCILLIN	ATLANTIC CITY ELECTRIC 2542 NORTH FIRE ROAD EGG HARBOR TWP., NEW JERSEY 08234 PHONE (609) 645-4100
DENNIS TOWNSHIP PUBLIC WORKS DEPARTMENT P.O. BOX 204, 571 PETERSBURG ROAD DENNISVILLE, NEW JERSEY 08214 PHONE (609) 861-5309 CONTACT: VERNON D. CHAMPION	SOUTH JERSEY GAS COMPANY 1 SOUTH JERSEY PLAZA FOLSOM, NEW JERSEY 08037 PHONE (609) 561-9000
MCJ TELECOMMUNICATIONS CORPORATION 1125 ATLANTIC AVENUE ATLANTIC CITY, NEW JERSEY 08401 PHONE (609) 348-4963	SUBURBAN CABLE TELEVISION 1846 NORTH WEST BOULEVARD VINELAND, NEW JERSEY 08360 PHONE (609) 641-6700
	VERIZON 540 BROAD STREET NEWARK, NEW JERSEY 07102 PHONE (973) 649-2131

SHEET INDEX		
SHEET NO.	DWG. NO.	SHEET TITLE
1 OF 8	C0001	COVER SHEET
2 OF 8	C0002	INFORMATION SHEET
3 OF 8	C1801	EXISTING CONDITIONS PLAN
4 OF 8	C0100	OVERALL RESOURCE EXTRACTION PLAN
5 OF 8	C0102	DETAILED RESOURCE EXTRACTION PLAN - PHASE I, II, V
6 OF 8	C0103	DETAILED RESOURCE EXTRACTION PLAN - PHASE III, IV
7 OF 8	C0104	RECLAMATION PLAN
8 OF 8	C1101	CROSS SECTIONS AND DETAILS

07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.

"CAPE CON" RESOURCE EXTRACTION PLANS
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79
TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY

COVER SHEET

HANSON AGGREGATES PENNSYLVANIA, LLC
7660 IMPERIAL WAY
ALLENTOWN, PA 18195

JESSE D. DOUGHERTY, P.E.

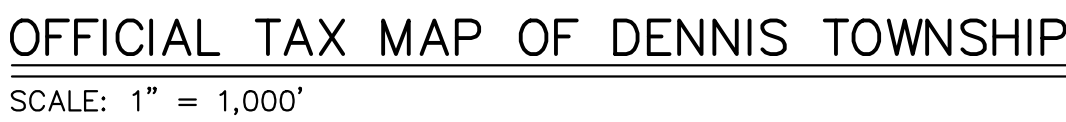
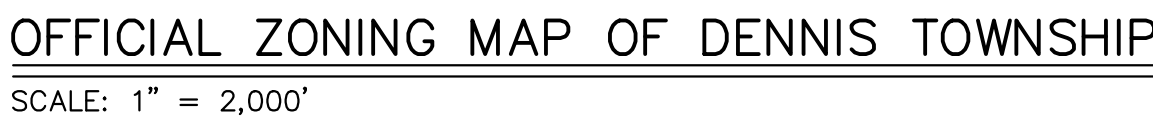
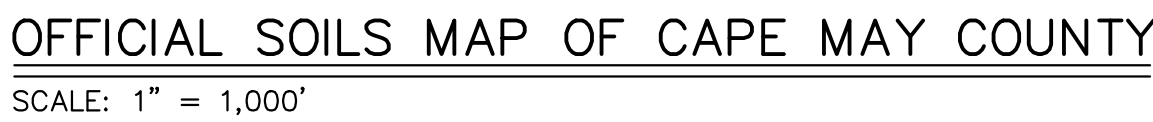
NEW JERSEY LICENSE NO. 246E05008100
07/29/2021
HAN 006.06

MARATHON
Engineering & Environmental Services
Swedesboro Office
3 Killdeer Court, Suite 302, Swedesboro, NJ 08085
ph (856) 241-9705 fax (856) 241-9709
Certificate of Authorization #24GA27995700

SCALE
AS SHOWN
BY
AY

APPROVED
JDD
SHEET
1 OF 8

DRAWING NO.
C0001



A. GENERAL SITE NOTES

- ### B. SURVEY NOTES

- ### C. APPLICANT/OWNER RESPONSIBILITY NOTES

- NOV 26 2018
 RECEIVED
 11/26/2018
- November 14, 2018
- THIS IS TO CERTIFY THAT THE FOLLOWING LIST OF PROPERTY OWNERS
 ARE WITHIN 200 FEET OF BLOCK 100 (LOT10) 63.64,65,66,67,74,75 & 79 IN
 DENNIS TOWNSHIP, ACCORDING TO THE OFFICIAL TAX MAP OF DENNIS
 TOWNSHIP:
- ATTEST: *Alexandra Fast*
 ALEXANDRA FAST, ESQ.
- | BLOCK | LOT | OWNER |
|-------|-----|---|
| | | CAPE MAY COUNTY PLANNING BOARD
DE-309, CENTRAL MAIL ROOM
CAPE MAY COURT HOUSE, NJ 08210 |
| | | VERIZON COMMUNICATIONS
% ENGINEERING DEPARTMENT
10 TANSKORO RD, FL 2
BERLIN, NJ 08609 |
| | | SOUTH JERSEY GAS COMPANY
% JONSEPH SCHRIENER
GENERAL MANAGER
SYSTEM ENGINEERING & PLANNING
150 JERSEY PLAZA
FOLSOM, NJ 08037 |
| | | COMCAST CABLE
901 W LEEDES AVENUE
ALBECORN, NJ 08201 |
| | | PUBLIC SERVICE ENERGY AND GAS CO.
MANAGER-CORPORATE PROPERTIES
80 PARK PLAZA, 143
NEWARK, NJ 07102 |
| | | CAPE ATLANTIC SOIL
CONSERVATION DISTRICT
ATTN: MICHAEL KENT
6300 OLD HARDING HIGHWAY
MAYS LANDING, NJ 08330 |
| | | STATE OF NJ-DOT
CN-600, 105 PARKWAY AVE
VERIZON, NJ 08625-5660 |



ZONE B	PERMITTED OR REQUIRED	EXISTING CONDITIONS	PROPOSED CONDITIONS	CONFORMITY STATUS
USE	RESOURCE EXTRACTION	RESOURCE EXTRACTION	RESOURCE EXTRACTION	CONFORMING
MINIMUM LOT SIZE	60,000 S.F.	32+ ¹ / ₂ ACRES / 37.8+ ³ / ₄ AC B=ZONE	32+ ¹ / ₂ ACRES / 37.8+ ³ / ₄ AC B=ZONE	CONFORMS
LOT FRONTAGE	150 FT.	1,351 FT.	1,351 FT.	CONFORMS
MINIMUM LOT WIDTH	150 FT.	>150'	>150'	CONFORMS
MINIMUM LOT DEPTH	200 FT.	>200'	>200'	CONFORMS
MINIMUM FRONT YARD SETBACK	75 FT.	117.95'	117.95'	CONFORMS
MINIMUM SIDE YARD SETBACK	25 FT.	118'	118'	CONFORMS
MINIMUM REAR YARD SETBACK	50 FT.	>50'	>50 FT.	CONFORMS
MAXIMUM BUILDING COVERAGE	35	0.0034%	0.0034%	CONFORMS

1. THE SITE IS LOCATED WITHIN THE SINGLE FAMILY RESIDENTIAL (R-3), LOW DENSITY FAMILY RESIDENTIAL (R-10) AND BUSINESS (B) DISTRICT.
2. ALL EXISTING STRUCTURES ARE LOCATED W/IN THE BUSINESS (B) DISTRICT

200' OWNERS LIST

LINE	CD	CDL	PROPERTY OWNER & MAILING ADDRESS PROPERTY LOCATION	1	SECTION	TOWNSHIP	CDL
76	1.01		REIT, FREDERICK A PROPERTY LOCATION	150	65	OTPAK	
76			REIT, FREDERICK A CINCINNATI, W J 160 ST 33	06027			
76	2		TOWNSHIP OF DENNIS 211 PETERBORO RD DENNISVILLE, NJ 170 RD 33	08214	120		69.01
92	1		TOWNSHIP OF DENNIS 211 PETERBORO RD DENNISVILLE, NJ 210 COUNTY RD	08214	120	69	OTPAK
92	2		MORTING, IRMA & NANCY 80 BOB 125 DENNISVILLE, NJ 210 COUNTY RD	08243	120	70	OTPAK
92	3		PROBORN, JUNE G & BERNOIA 210 COUNTY RD 2100 COUNTY RD HOUSE, NJ 08210 202 COUNTY RD	08210	120	73	OTPAK
92	4		WELSH, STEPHEN A 1286 CANTON RD, HOUSE, NJ 08210 198 COUNTY RD	08210	120	74	
92	5		FRANK-ANTONIO PHARMACY/BRIDGE 834 COUNTY RD CANE RUN COUNTRY HOUSE, NJ 08210 184 COUNTRY RD	08210	120	74	OTPAK
92	6		CARROLL, CHARLES F JR & STACIE M 120 COUNTY RD CANE RUN COUNTRY HOUSE, NJ 08210 180 COUNTY RD	08210	120	76	OTPAK
92	7		CHURCHICK, ROBERT R 186 COUNTY ROAD CANE RUN COUNTRY HOUSE, NJ 08210 180 COUNTY RD	08210	120	79	OTPAK
92	8		FRACLETTE, JOSEPHAN P & CHRISTINE M 122 COUNTY RD 1200 COUNTRY RD, NJ 08210 1200 COUNTRY RD	08210	120	80	
94	1		CHOMPALAN, RON & CHRISTINE CANE RUN COUNTRY HOUSE, NJ 08210 1700 RD				
120	39.02		FINNARTY, GILBERT S 1200 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 1200 DENNISVILLE RD	08210			
120	60		VEDITY, LEONARD 1200 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 1200 DENNISVILLE RD	08210			
120	44		JERRY SHORE WATSON 80 BOB 35 20 DENNISVILLE, NJ 120 DENNISVILLE RD	08244			
120	47		LANGSTRA, LINDA 140 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 120 DENNISVILLE RD	08210			
120	48		LANGSTRA, LINDA 140 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 120 DENNISVILLE RD	08210			
120	49		LANGSTRA, LINDA 140 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 120 DENNISVILLE RD	08210			
120	50		JANKEE DOUGIE RAVEN INC PO BOX 38 DENNISVILLE, NJ DENNISVILLE RD	08246			
51			DAES, TUNNA K 124 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 74 DENNISVILLE RD	08210			
55			ELVAL, CALVIN W 124 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 74 DENNISVILLE RD	08210			
58.01			CHURCHICK, ROBERT R 120 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 72 DENNISVILLE RD	08210			
56			BRICK COMPANY INC 6011 CORRECTION DR #15 SPRING, NJ 77 DENNISVILLE RD	76099			
57.01			CHURCHICK, ROBERT R 120 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 74 DENNISVILLE RD	08210			
57.02			MCGRATH, LAMARLE ESTATE & MICHAEL S PO BOX 331 DENNISVILLE, NJ DENNISVILLE RD	08245			
57.03			MC CONNELL, MARILYN K 120 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 74 DENNISVILLE RD	08210			
58			WIEGMEIER, IRA & JILL 120 DENNISVILLE RD CANE RUN COUNTRY HOUSE, NJ 08210 74 DENNISVILLE RD	08210			
62			LACY, ROBERT C & CANOE L, KENNETH 120 DENNISVILLE RD WORMEEN, NJ 1874 45 RD	08270-4334			
63	OTPAK		RANDON ACQUISITIES INC, INCORPORATED PO BOX 1167 ATLANTA, GA ATLANTA, GA	30355			
64			BETTER MATERIALS CORP & MT FORBARD 825 KOD LANE ATLANTA, GA 1744 45 RD	30355			
65	OTPAK		BETTER MATERIALS CORP AND FORBARD 825 KOD LANE ATLANTA, GA	30355			

[illegible]

07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
<div>"CAPE CON" RESOURCE EXTRACTION PLANS</div> <div>BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY</div>			<div></div> <div>Swedesboro Office 3 Killebrew Court, Suite 302, Swedesboro, NJ 08085 ph (856) 241-9705 fax (856) 241-9709 Certificate of Authorization #24AG27995700</div>	
HANSON AGGREGATES PENNSYLVANIA, LLC				
7660 IMPERIAL WAY ALLENTOWN, PA 18195				
JESSE D. DOUGHERTY, P.E.				
PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 246050080100				
<div> 07/29/2021</div>			<div>ALL CONDITIONS PREPARED BY MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES ARE BASED UPON THE INFORMATION OF RECORDS IN RESPECT TO THE PROJECT. THEY ARE NOT INTENDED TO REPRESENT OR GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED OR TO GUARANTEE THE RESULTS OF ANY OR ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN PERMISSION OF MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES IS PROHIBITED. MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. AND ITS SUBSIDIARIES AND AFFILIATES ASSUME NO LIABILITY FOR ANY DAMAGE, LOSSES OR EXPENSES ARISING OUT OF OR RESULTING FROM THE INFORMATION PROVIDED.</div>	
HAN 006.06			<div>SCALE AS SHOWN</div> <div>DRAWN AY</div> <div>APPROVED JDD</div> <div>SHEET 2 OF 8</div> <div>DRAWING NO. C0002</div>	

DATE: 07/29/2021 LAST MODIFIED: 07/29/2021
DRAWN BY: JDD
CHECKED BY: JDD
DATE: 07/29/2021 LAST MODIFIED: 07/29/2021
DRAWN BY: JDD
CHECKED BY: JDD

GENERAL NOTES

- COORDINATE DATA GRID IS BASED ON STATE PLANE DATUM.
- OUTBOUNDS DATA AND BEARINGS ON OUTBOUNDS IS BASED ON PLAN TITLED "ALTA/ACSM LAND TITLE SURVEY" PREPARED BY GUY M. DEFABRIES, P.L.S., P.P., DATED 5/27/2003.
- WETLANDS FLAGGING AND SOIL BORINGS ARE DELINEATED IN THE FIELD BY JOSEPH L. PRATZNER, ENVIRONMENTAL CONSULTANT. WETLANDS REFLAGGED BY MARATHON ENGINEERING CONSULTANTS, APRIL 2007.
- WETLANDS FLAGGING AND SOIL BORINGS ARE LOCATED BY HOWARD A. TRANSUE, P.L.S., AS SHOWN ON "PLAN OF SURVEY", DATED 5/15/95, AND LAST REVISED 7/18/95.
- TOPOGRAPHIC DATA IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY STEPHEN C. MARTINELLI, L.S. LLC, DATED 06/04/2008 AND UPDATED TO 07/31/2015. WETLANDS REFLAGGING FIELD LOCATED IN APRIL 2007 BY STEPHEN C. MARTINELLI, L.S. LLC.
- ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM.
- WETLAND FIELD LOCATED ON 7-2-2008 BY STEPHEN C. MARTINELLI, L.S. LLC.
- WETLANDS SHOWN ON PLAN PREPARED BY MARATHON ENGINEERING DATED SEPTEMBER 9, 2008 AND REVISED APRIL 23, 2009.

NOTE: "FRESHWATER WETLANDS/ WATERS BOUNDARY LINE AS VERIFIED BY NJDEP ON JUNE 4, 2009, FILE NO. 0504-07-0006.1-FW070001".

OWNER OF PROPERTY

HANSON AGGREGATES BMC, INC.
7660 IMPERIAL WAY
ALLENTOWN, PA 18195-0231

CONRAIL PENNA-READING
SEASHORE LINES R.R.
(60' WIDE)

EXISTING STRUCTURES		
A	24'x85'	OFFICE
B	24'x54'	OFFICE/STORAGE
C	80'x40'	METAL FRAME GARAGE
D	19'x40'	LEAN-TO
E	16'x48'	BLOCK MATERIAL STORAGE
F	19'x60'	CONCRETE PLANT
G	16'x34'	SHED

CORNER COORDINATES

PT. NO.	NORTH	EAST	DESCRIPTION
221	124763.4	1958229.5	
223	125827.3	1957003.7	
470	126273.3	1956975.3	
236	126506.1	1958154.3	
238	127236.3	1958420.9	
239	127279.8	1958491.9	
240	127166.8	1958659.5	
241	126577.5	1958798.8	
229	125959.8	1960086.2	CORNER
251	127177.2	1960069.2	CORNER
250	126360.1	1962467.1	CORNER
230	125660.7	1961754.8	CORNER
231	125531.6	1962460.1	CORNER
471	125020.4	1962441.9	
214	125551.0	1961815.6	
472	125287.8	1961270.5	
473	12581.3	1961131.9	
209	123657.4	1960006.9	
474	123774.9	1960814.7	
205	123847.8	1960300.3	
203	124397.2	1960294.5	
202	124436.9	1960016.9	
253	125102.7	1960165.0	CORNER
201	125767.4	1958785.403	CORNER

NOTE: THESE COORDINATES BEGIN AT SOUTHEAST CORNER OF PROPERTY ALONG N.J.S.H. RT. 83, AND CONTINUE CLOCKWISE AROUND PROPERTY.

TEST BORING COORDINATES

PT. NO.	NORTH	EAST	DESCRIPTION
458	125468.5	1957668.9	TB-A1
456	125475.9	1957637.7	TB-A2
443	126347.2	1959252.0	TB-B1
442	126326.9	1959230.5	TB-B2
462	124803.6	1958293.2	TB-C1
464	124788.4	1958321.0	TB-C2
467	125014.4	1958397.2	TB-C4
452	125570.0	1959153.2	TB-D1
456	125596.3	1959122.1	TB-D2
433	126666.8	1961497.4	TB-E1
431	126658.9	1961525.4	TB-E2
437	126801.1	1961630.9	TB-E3
435	126820.2	1961622.3	TB-E4
414	126396.4	1961632.3	TB-E5
412	126367.3	1961649.5	TB-E6
426	126150.0	1961450.9	TB-E7
418	126125.2	1961492.6	TB-E8
420	126095.5	1961528.5	TB-E9

Russel T. Patterson, P.L.S.

PROFESSIONAL LAND SURVEYOR NJ LICENSE NO. 36270
N.I.C.E.T. Registration No. 79099

MONITOR WELL SURVEY

MONITOR WELL NO. 1 (MW-1)
SITE COORDINATES: NORTH 10202.666 EAST 8830.259
NJ GRID COORDS: NORTH 125750.913 EAST 1957516.121
GEODETIC (1929) ELEVATIONS: COVER 8.82, PVC RIM 8.57, CONCRETE 7.07

MONITOR WELL NO. 2 (MW-2)
SITE COORDINATES: NORTH 10492.133 EAST 10637.803
NJ GRID COORDS: NORTH 126123.741 EAST 1959308.328
GEODETIC (1929) ELEVATIONS: COVER 8.35, PVC RIM 8.08, CONCRETE 6.38

MONITOR WELL NO. 3 (MW-3)
SITE COORDINATES: NORTH 9506.226 EAST 9673.547
NJ GRID COORDS: NORTH 125094.255 EAST 1958390.744
GEODETIC (1929) ELEVATIONS: COVER 9.09, PVC RIM 8.66, CONCRETE 7.54

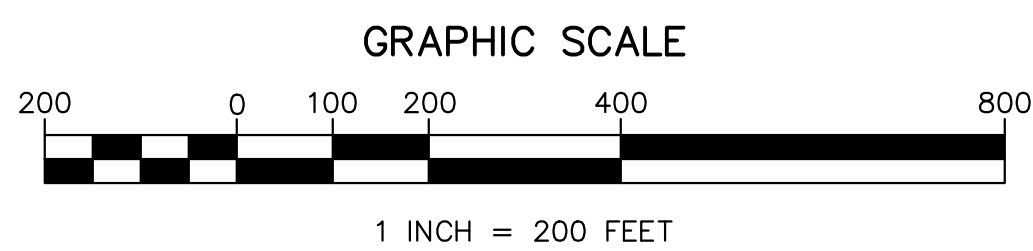
MONITOR WELL NO. 4 (MW-4)
SITE COORDINATES: NORTH 9525.020 EAST 11275.156
NJ GRID COORDS: NORTH 125187.167 EAST 1959989.766
GEODETIC (1929) ELEVATIONS: COVER 16.88, PVC RIM 16.61, CONCRETE 15.21

MONITOR WELL NO. 5 (MW-5)
SITE COORDINATES: NORTH 11002.666 EAST 12071.154
NJ GRID COORDS: NORTH 126700.076 EAST 1960716.511
GEODETIC (1929) ELEVATIONS: COVER 12.09, PVC RIM 11.82, CONCRETE 10.38

MONITOR WELL NO. 6 (MW-6)
SITE COORDINATES: NORTH 9610.763 EAST 12592.624
NJ GRID COORDS: NORTH 125333.804 EAST 1961301.852
GEODETIC (1929) ELEVATIONS: COVER 12.02, PVC RIM 11.75, CONCRETE 10.18

TABLE OF SOUNDINGS

STATION	NORTHING	EASTING	DEPTH	BOTTOM ELEV.
S-1	10,414.3	9,432.1	30.6	-26.5
S-2	10,496.9	9,199.3	27.6	-23.5
S-3	10,481.7	9,601.3	35.6	-31.5
S-4	10,022.6	9,457.7	27.6	-23.5
S-5	10,391.5	9,923.5	50.0	-45.9
S-6	10,371.9	10,068.6	51.0	-46.9

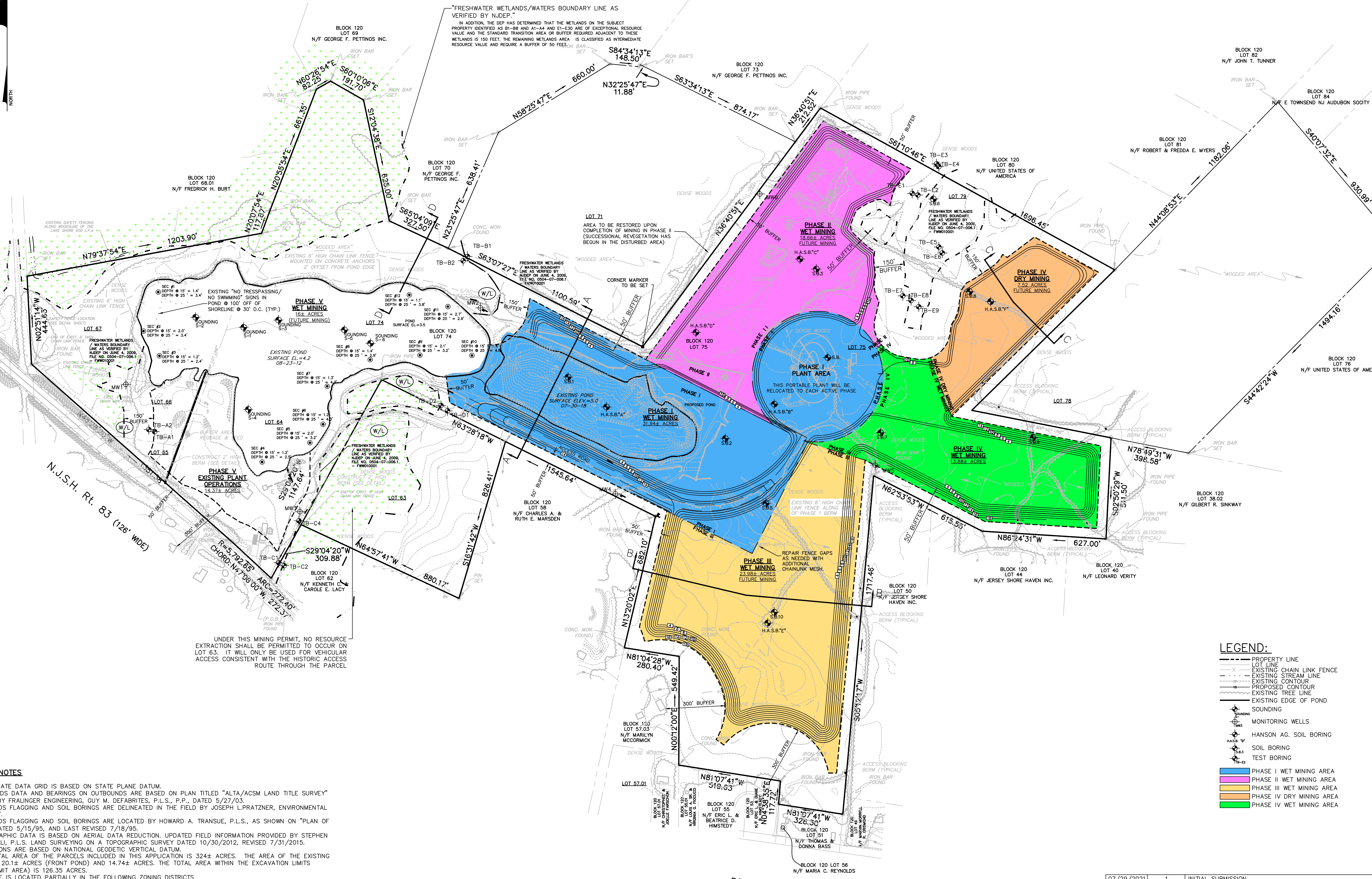


EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR
"CAPE CON" RESOURCE EXTRACTION PLANS				
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY				
EXISTING CONDITIONS PLAN				
HANSON AGGREGATES PENNSYLVANIA, LLC				
7660 IMPERIAL WAY ALLENTOWN, PA 18195				
JESSE D. DOUGHERTY, P.E.				
PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 24605008100				
07/29/2021				
HAN 006.06				
MARATHON Engineering & Environmental Services Swedesboro Office 3 Killdeer Court, Suite 302, Swedesboro, NJ 08085 ph (856) 241-9705 fax (856) 241-9709 Certificate of Authorization #24GA27995700				
ALL DOCUMENTS PREPARED BY MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. ARE THE PROPERTY OF MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. SHALL INDEMNIFY AND HOLD HARMLESS MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC. FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM THE PERFORMANCE OF THE SERVICES PROVIDED BY MARATHON ENGINEERING AND ENVIRONMENTAL SERVICES, INC.				
SCALE: 1" = 200' DRAWN BY: JDD SHEET: 3 OF 8 DRAWING NO.: C1801				

DATE: 07/29/2021 LAST MODIFIED: 07/29/2021

CONRAIL PENNA-READING
SEASHORE LINES R.R.
(60' WDE)



UNDER THIS MINING PERMIT, NO RESOURCE
EXTRACTION SHALL BE PERMITTED TO OCCUR ON
LOT 63. IT WILL ONLY BE USED FOR VEHICULAR
ACCESS CONSISTENT WITH THE HISTORIC ACCESS
ROUTE THROUGH THE PARCEL.

GENERAL NOTES

- COORDINATE DATA GRID IS BASED ON STATE PLANE DATUM.
- OUTBOUNDS DATA AND BEARINGS ON OUTBOUNDS ARE BASED ON PLAN TITLED "ALTA/ACSM LAND TITLE SURVEY" PREPARED BY FRALINGER ENGINEERING, GUY M. DEFABRITES, P.L.S., P.P., DATED 5/27/03.
- WETLANDS FLAGGING AND SOIL BORINGS ARE DELINEATED IN THE FIELD BY JOSEPH L. PRATZNER, ENVIRONMENTAL CONSULTANT.
- WETLANDS FLAGGING AND SOIL BORINGS ARE LOCATED BY HOWARD A. TRANSUE, P.L.S., AS SHOWN ON "PLAN OF SURVEY", DATED 5/15/95, AND LAST REVISED 7/18/95.
- TOPOGRAPHIC DATA IS BASED ON AERIAL DATA REDUCTION, UPDATED FIELD INFORMATION PROVIDED BY STEPHEN C. MARTINELLI, P.L.S. LAND SURVEYING ON A TOPOGRAPHIC SURVEY DATED 10/30/2012, REVISED 7/31/2015.
- ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM.
- THE TOTAL AREA OF THE PARCELS INCLUDED IN THIS APPLICATION IS 324± ACRES. THE AREA OF THE EXISTING PONDS ARE 20.1± ACRES (FRONT POND) AND 14.74± ACRES. THE TOTAL AREA WITHIN THE EXCAVATION LIMITS (TOTAL PERMIT AREA) IS 126.35 ACRES.
- THE SITE IS LOCATED PARTIALLY IN THE FOLLOWING ZONING DISTRICTS
B - BUSINESS DISTRICT
R-10 - LOW DENSITY RESIDENTIAL
R-3 - SINGLE FAMILY RESIDENTIAL

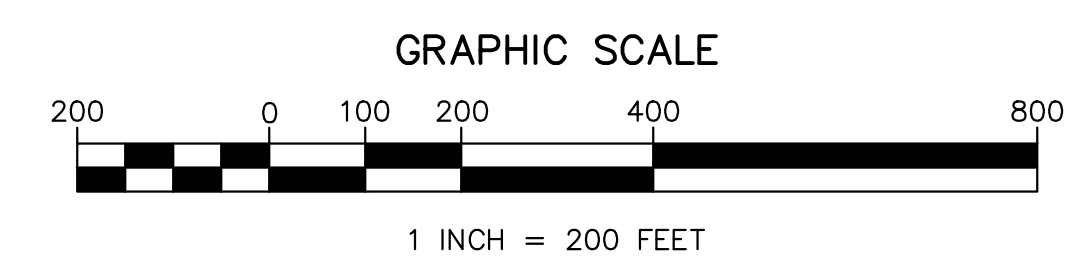
OWNER OF PROPERTY

HANSON AGGREGATES BMC, INC.
7660 IMPERIAL WAY
ALLENTOWN, PA 18195

PERMIT AREA IS

BLOCK 120
LOTS 63, 64, 65, 66, 67, 74,
75 & 79
DENNIS TOWNSHIP,
CAPE MAY COUNTY, NEW JERSEY

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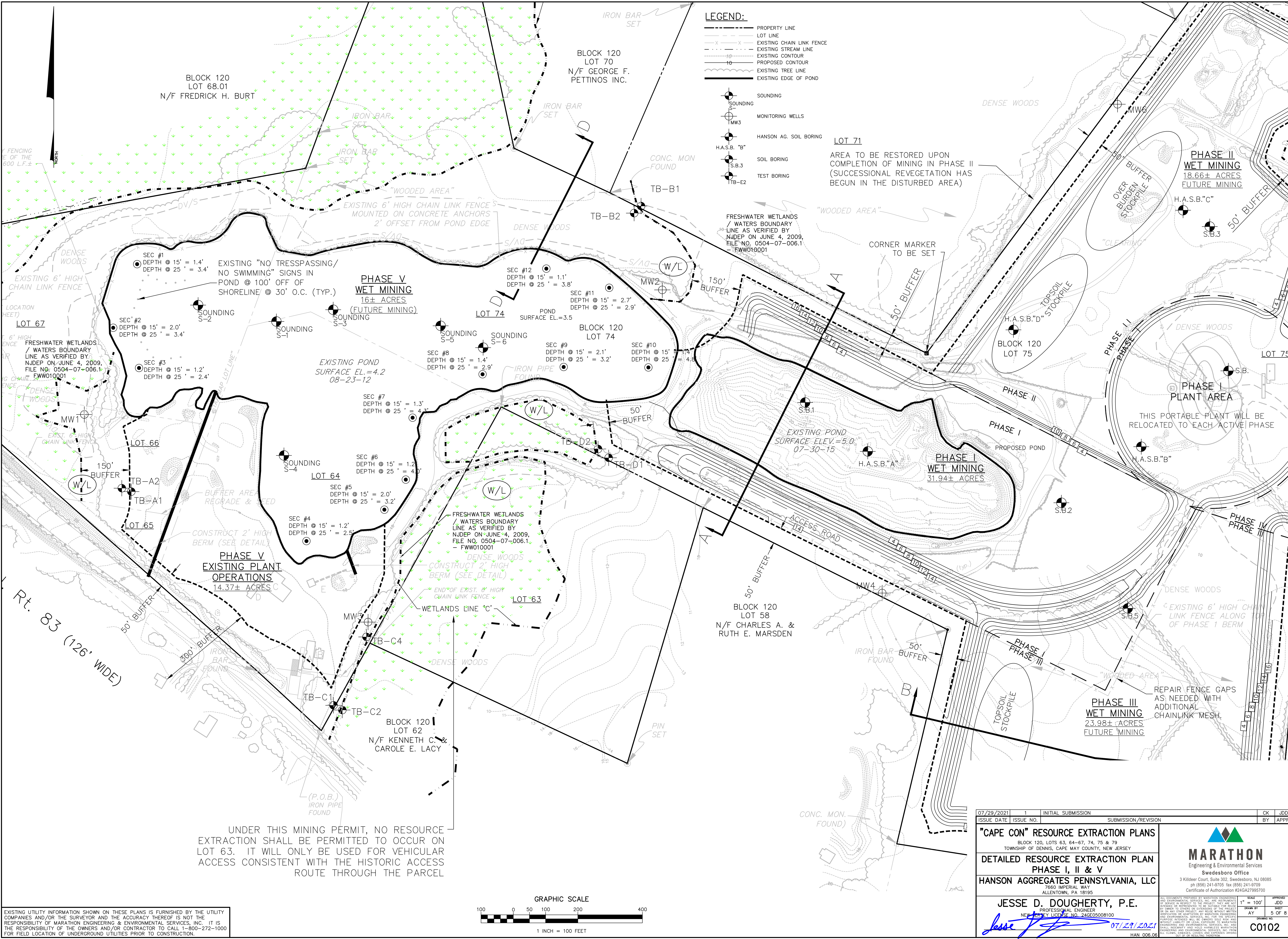


LEGEND:

- PROPERTY LINE
- LOT LINE
- EXISTING CHAIN LINK FENCE
- EXISTING STREAM LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREE LINE
- EXISTING EDGE OF POND
- SOUNDING
- MONITORING WELLS
- HANSON AG. SOIL BORING
- SOIL BORING
- TEST BORING
- PHASE I WET MINING AREA
- PHASE II WET MINING AREA
- PHASE III WET MINING AREA
- PHASE IV WET MINING AREA
- PHASE IV DRY MINING AREA

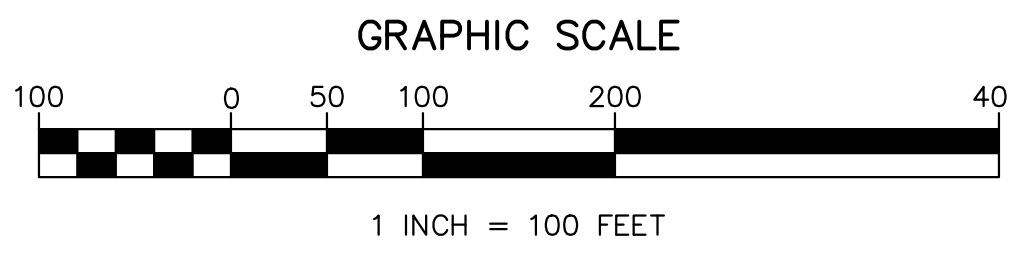
07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
"CAPE CON" RESOURCE EXTRACTION PLANS BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY				
OVERALL RESOURCE EXTRACTION PLAN				
HANSON AGGREGATES PENNSYLVANIA, LLC 1660 IMPERIAL WAY ALLENTOWN, PA 18195				
JESSE D. DOUGHERTY, P.E. PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 24605008100 07/29/2021 HAN 006.06				
MARATHON Engineering & Environmental Services Swedesboro Office 3 Killdeer Court, Suite 302, Swedesboro, NJ 08085 ph (856) 241-9705 fax (856) 241-9709 Certificate of Authorization #24GA27995700				
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SCALE 1" = 200'	APPROVED JDD	DRAWING NO. C0100		

DATE: 07/29/2021
DRAWN BY: JDD
CHECKED BY: JDD
APPROVED BY: JDD
SCALE: 1" = 100'
SHEET: 5 OF 8
DRAWING NO: C0102



UNDER THIS MINING PERMIT, NO RESOURCE EXTRACTION SHALL BE PERMITTED TO OCCUR ON LOT 63. IT WILL ONLY BE USED FOR VEHICULAR ACCESS CONSISTENT WITH THE HISTORIC ACCESS ROUTE THROUGH THE PARCEL

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07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.

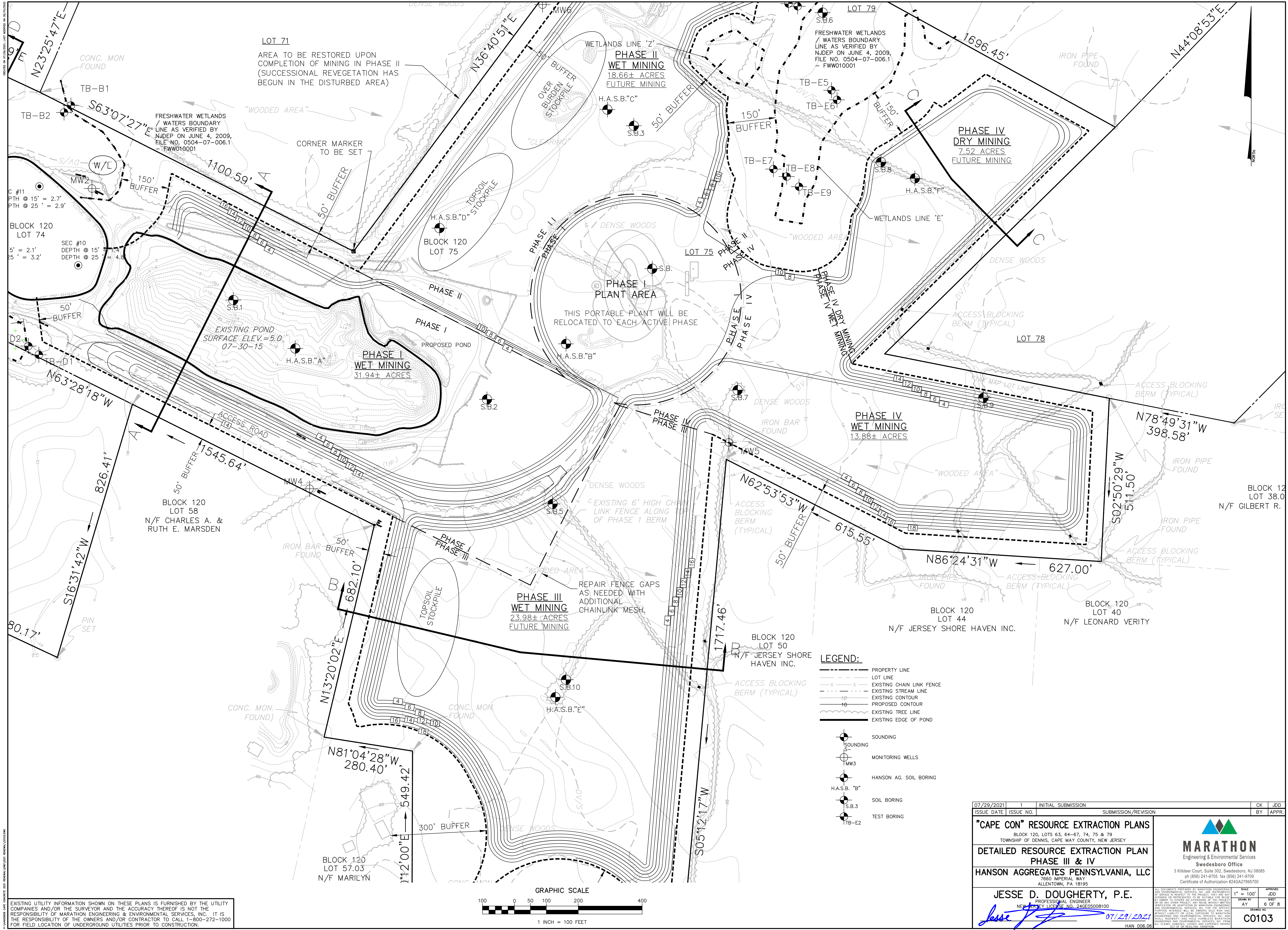
"CAPE CON" RESOURCE EXTRACTION PLANS
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79
TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY
DETAILED RESOURCE EXTRACTION PLAN
PHASE I, II & V
HANSON AGGREGATES PENNSYLVANIA, LLC
1660 IMPERIAL WAY
ALLENTOWN, PA 18195

JESSE D. DOUGHERTY, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24650008100
Jesse Dougherty
07/29/2021
HAN 006.06

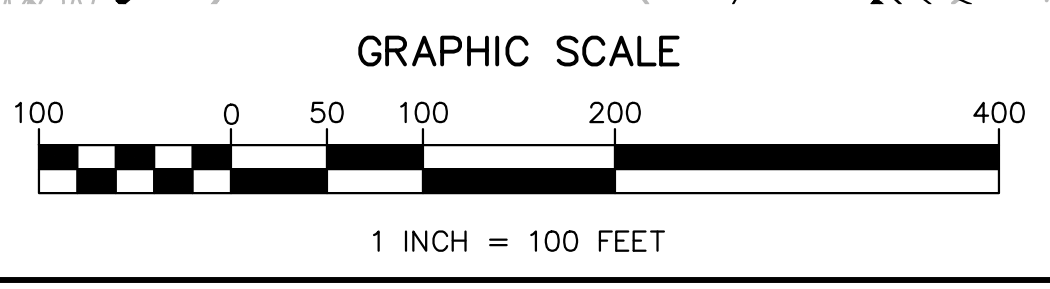
MARATHON
Engineering & Environmental Services
Swedesboro Office
3 Killdeer Court, Suite 302, Swedesboro, NJ 08085
ph (856) 241-9705 fax (856) 241-9709
Certificate of Authorization #24GA27995700

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SCALE: 1" = 100'
JDD
AY
5 OF 8
DRAWING NO: C0102



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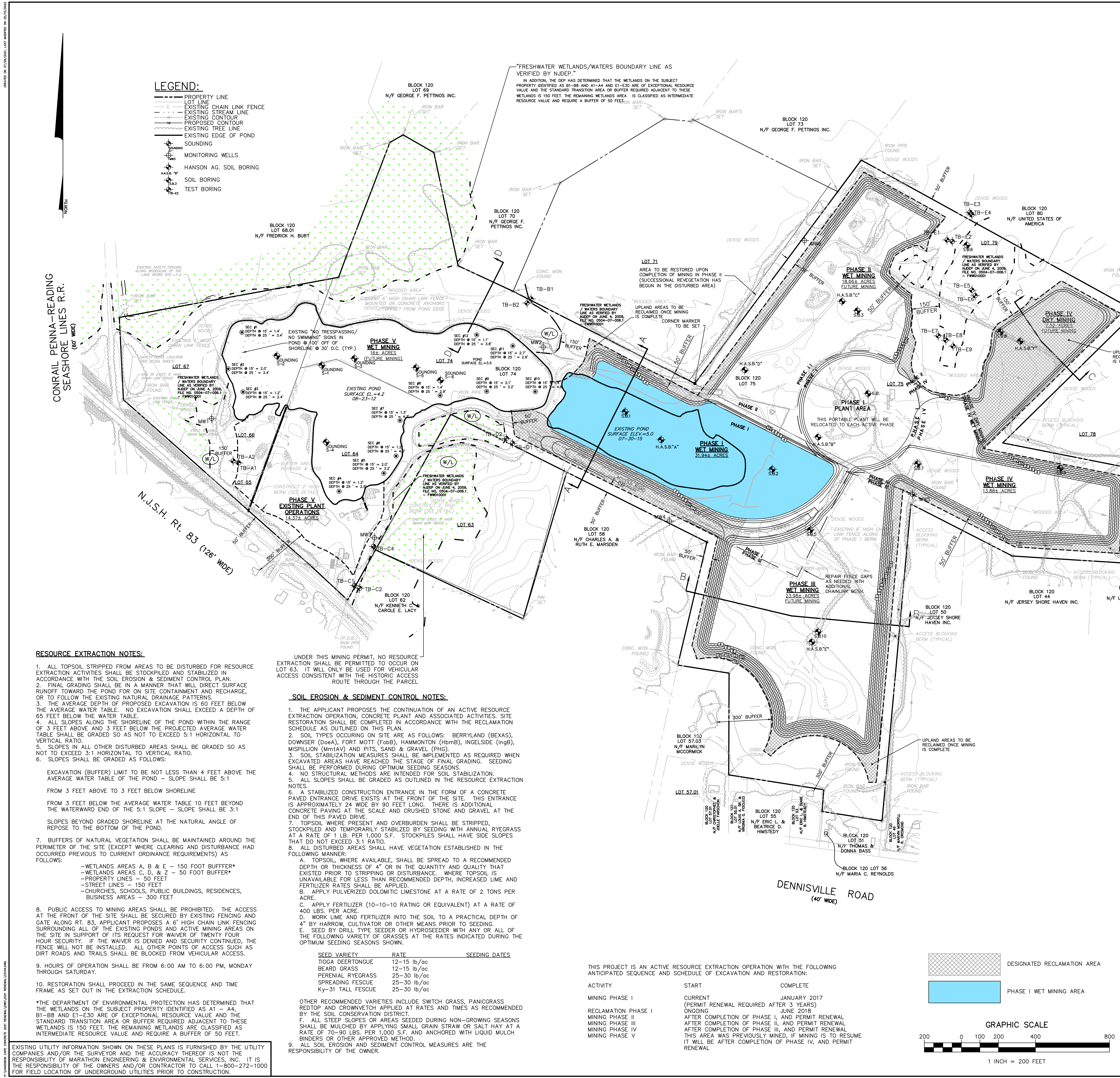
- LEGEND:**
- PROPERTY LINE
 - LOT LINE
 - EXISTING CHAIN LINK FENCE
 - EXISTING STREAM LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING TREE LINE
 - EXISTING EDGE OF POND
 - SOUNDING
 - MONITORING WELLS
 - HANSON AG. SOIL BORING
 - SOIL BORING
 - TEST BORING

07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
"CAPE CON" RESOURCE EXTRACTION PLANS				
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY				
DETAILED RESOURCE EXTRACTION PLAN PHASE III & IV				
HANSON AGGREGATES PENNSYLVANIA, LLC 1660 IMPERIAL WAY ALLENTOWN, PA 18195				
JESSE D. DOUGHERTY, P.E. PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 24600008100				
07/29/2021				
HAN 006.06				

MARATHON
Engineering & Environmental Services
Swedesboro Office
3 Killdeer Court, Suite 302, Swedesboro, NJ 08085
ph (856) 241-9705 fax (856) 241-9709
Certificate of Authorization #24GA27995700

SCALE	APPROVED
1" = 100'	JDD
DRAWN BY	6 OF 8
AY	
DRAWING NO.	C0103

DATE: 07/29/2021 11:47:00 AM LAST MODIFIED: 08/04/2021 10:00:00 AM



- LEGEND:**
- PROPERTY LINE
 - OT LINE
 - EXISTING CHAIN LINK FENCE
 - EXISTING STREAM LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING TREE LINE
 - EXISTING EDGE OF POND
 - SOUNDING
 - MONITORING WELLS
 - HANSON AG. SOIL BORING
 - SOIL BORING
 - TEST BORING

CONRAIL PENNA-READING
SEASHORE LINES R.R.
(60' WDE)

RESOURCE EXTRACTION NOTES:

1. ALL TOPSOIL STRIPPED FROM AREAS TO BE DISTURBED FOR RESOURCE EXTRACTION ACTIVITIES SHALL BE STOCKPILED AND STABILIZED IN ACCORDANCE WITH THE SOIL EROSION & SEDIMENT CONTROL PLAN.
2. FINAL GRADING SHALL BE IN A MANNER THAT WILL DIRECT SURFACE RUNOFF TOWARD THE POND FOR ON SITE CONTAMINANT AND RECHARGE, OR TO FOLLOW THE EXISTING NATURAL DRAINAGE PATTERNS.
3. THE AVERAGE DEPTH OF PROPOSED EXCAVATION IS 60 FEET BELOW THE AVERAGE WATER TABLE. NO EXCAVATION SHALL EXCEED A DEPTH OF 65 FEET BELOW THE WATER TABLE.
4. ALL SLOPES ALONG THE SHORELINE OF THE POND WITHIN THE RANGE OF 3 FEET ABOVE AND 3 FEET BELOW THE PROJECTED AVERAGE WATER TABLE SHALL BE GRADED SO AS NOT TO EXCEED 5:1 HORIZONTAL TO VERTICAL RATIO.
5. SLOPES IN ALL OTHER DISTURBED AREAS SHALL BE GRADED SO AS NOT TO EXCEED 3:1 HORIZONTAL TO VERTICAL RATIO.
6. SLOPES SHALL BE GRADED AS FOLLOWS:

EXCAVATION (BUFFER) LIMIT TO BE NOT LESS THAN 4 FEET ABOVE THE AVERAGE WATER TABLE OF THE POND - SLOPE SHALL BE 5:1

FROM 3 FEET ABOVE TO 3 FEET BELOW SHORELINE

FROM 3 FEET BELOW THE AVERAGE WATER TABLE 10 FEET BEYOND THE WATERWARD END OF THE 5:1 SLOPE - SLOPE SHALL BE 3:1

SLOPES BEYOND GRADED SHORELINE AT THE NATURAL ANGLE OF REPOSE TO THE BOTTOM OF THE POND.

7. BUFFERS OF NATURAL VEGETATION SHALL BE MAINTAINED AROUND THE PERIMETER OF THE SITE (EXCEPT WHERE CLEARING AND DISTURBANCE HAD OCCURRED PREVIOUS TO CURRENT ORDINANCE REQUIREMENTS) AS FOLLOWS:

- WETLANDS AREAS A, B & E - 150 FOOT BUFFER*
- WETLANDS AREAS C, D, & Z - 50 FOOT BUFFER*
- PROPERTY LINES - 50 FEET
- STREET LINES - 150 FEET
- CHURCHES, SCHOOLS, PUBLIC BUILDINGS, RESIDENCES, BUSINESS AREAS - 300 FEET

8. PUBLIC ACCESS TO MINING AREAS SHALL BE PROHIBITED. THE ACCESS AT THE FRONT OF THE SITE SHALL BE SECURED BY EXISTING FENCING AND GATE ALONG RT. 83. APPLICANT PROPOSES A 6' HIGH CHAIN LINK FENCING SURROUNDING ALL OF THE EXISTING PONDS AND ACTIVE MINING AREAS ON THE SITE IN SUPPORT OF ITS REQUEST FOR WAIVER OF TWENTY FOUR HOUR SECURITY. IF THE WAIVER IS DENIED AND SECURITY CONTINUED, THE FENCE WILL NOT BE INSTALLED. ALL OTHER POINTS OF ACCESS SUCH AS DIRT ROADS AND TRAILS SHALL BE BLOCKED FROM VEHICULAR ACCESS.

9. HOURS OF OPERATION SHALL BE FROM 6:00 AM TO 6:00 PM, MONDAY THROUGH SATURDAY.
10. RESTORATION SHALL PROCEED IN THE SAME SEQUENCE AND TIME FRAME AS SET OUT IN THE EXTRACTION SCHEDULE.

*THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS DETERMINED THAT THE WETLANDS ON THE SUBJECT PROPERTY IDENTIFIED AS A1 - A4, B1-B8 AND E1-E30 ARE OF EXCEPTIONAL RESOURCE VALUE AND THE STANDARD TRANSITION AREA OR BUFFER REQUIRED ADJACENT TO THESE WETLANDS IS 150 FEET. THE REMAINING WETLANDS ARE CLASSIFIED AS INTERMEDIATE RESOURCE VALUE AND REQUIRE A BUFFER OF 50 FEET.

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SOIL EROSION & SEDIMENT CONTROL NOTES:

1. THE APPLICANT PROPOSES THE CONTINUATION OF AN ACTIVE RESOURCE EXTRACTION OPERATION PLANT AND ASSOCIATED ACTIVITIES. SITE RESTORATION SHALL BE COMPLETED IN ACCORDANCE WITH THE RECLAMATION SCHEDULE AS OUTLINED ON THIS PLAN.
2. SOIL TYPES OCCURRING ON SITE ARE AS FOLLOWS: BERRYLAND (BEXAS), DOWNER (DOWA), FORT MOTT (FOMB), HAMMONTON (HOMB), INGELSIDE (INGB), MISPELLION (MISAV) AND PITS, SAND & GRAVEL (PIHG).
3. SOIL STABILIZATION MEASURES SHALL BE IMPLEMENTED AS REQUIRED WHEN EXCAVATED AREAS HAVE REACHED THE STAGE OF FINAL GRADING. SEEDING SHALL BE PERFORMED DURING OPTIMUM SEEDING SEASONS.
4. NO STRUCTURAL METHODS ARE INTENDED FOR SOIL STABILIZATION.
5. ALL SLOPES SHALL BE GRADED AS OUTLINED IN THE RESOURCE EXTRACTION NOTES.
6. A STABILIZED CONSTRUCTION ENTRANCE IN THE FORM OF A CONCRETE PAVED ENTRANCE DRIVE EXISTS AT THE FRONT OF THE SITE. THIS ENTRANCE IS APPROXIMATELY 24 WIDE BY 90 FEET LONG. THERE IS ADDITIONAL CONCRETE PAVING AT THE SCALE AND CRUSHED STONE AND GRAVEL AT THE END OF THIS PAVED DRIVE.
7. TOPSOIL WHERE PRESENT AND OVERBURDEN SHALL BE STRIPPED, STOCKPILED AND TEMPORARILY STABILIZED BY SEEDING WITH ANNUAL RYEGRASS AT A RATE OF 1 LB. PER 1,000 S.F. STOCKPILES SHALL HAVE SIDE SLOPES THAT DO NOT EXCEED 3:1 RATIO.
8. ALL DISTURBED AREAS SHALL HAVE VEGETATION ESTABLISHED IN THE FOLLOWING MANNER:

- A. TOPSOIL, WHERE AVAILABLE, SHALL BE SPREAD TO A RECOMMENDED DEPTH OR THICKNESS OF 4" OR IN THE QUANTITY AND QUALITY THAT EXISTED PRIOR TO STRIPPING OR DISTURBANCE. WHERE TOPSOIL IS UNAVAILABLE FOR LESS THAN RECOMMENDED DEPTH, INCREASED LEASE AND FERTILIZER RATES SHALL BE APPLIED.
- B. APPLY PULVERIZED DOLOMITIC LIMESTONE AT A RATE OF 2 TONS PER ACRE.
- C. APPLY FERTILIZER (10-10-10 RATING OR EQUIVALENT) AT A RATE OF 400 LBS. PER ACRE.
- D. WORK LINE AND FERTILIZER INTO THE SOIL TO A PRACTICAL DEPTH OF 4" BY HARROW, CULTIVATOR OR OTHER MEANS PRIOR TO SEEDING.
- E. SEED BY DRILL TYPE SEEDER OR HYDROSEEDER WITH ANY OR ALL OF THE FOLLOWING VARIETY OF GRASSES AT THE RATES INDICATED DURING THE OPTIMUM SEEDING SEASONS SHOWN.

SEED VARIETY	RATE	SEEDING DATES
TIOGA DEERTONGUE	12-15 lb/ac	
BEARD GRASS	12-15 lb/ac	
PERENIAL RYEGRASS	25-30 lb/ac	
SPREADING FESCUE	25-30 lb/ac	
KY-31 TALL FESCUE	25-30 lb/ac	

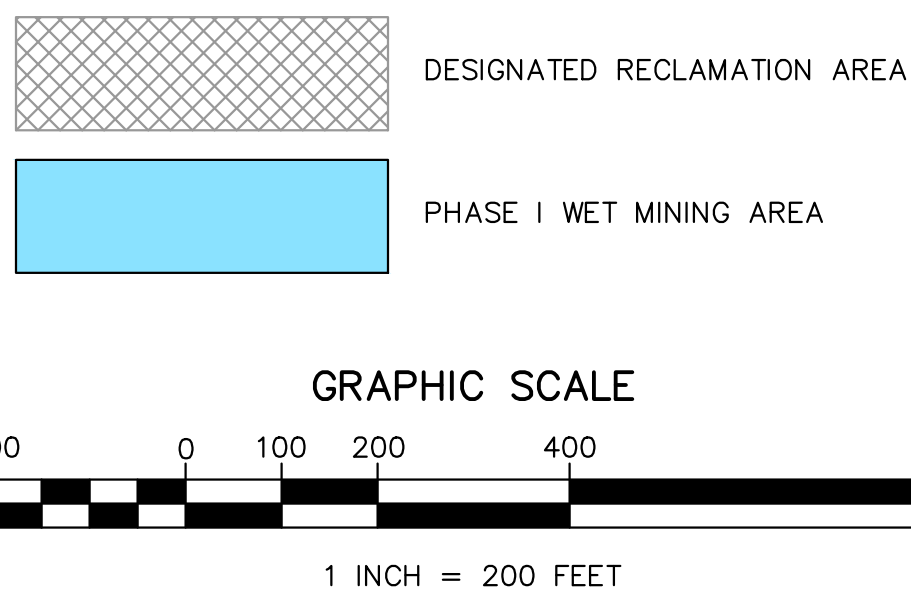
OTHER RECOMMENDED VARIETIES INCLUDE SWITCH GRASS, PANICGRASS, REDTOP AND CROWNVECH APPLIED AT RATES AND TIMES AS RECOMMENDED BY THE SOIL CONSERVATION DISTRICT.

F. ALL STEEP SLOPES OR AREAS SEEDED DURING NON-GROWING SEASONS SHALL BE MULCHED BY APPLYING SMALL GRAIN STRAW OR SALT HAY AT A RATE OF 70-90 LBS. PER 1,000 S.F. AND ANCHORED WITH LIQUID MULCH BINDERS OR OTHER APPROVED METHOD.

9. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE THE RESPONSIBILITY OF THE OWNER.

THIS PROJECT IS AN ACTIVE RESOURCE EXTRACTION OPERATION WITH THE FOLLOWING ANTICIPATED SEQUENCE AND SCHEDULE OF EXCAVATION AND RESTORATION:

ACTIVITY	START	COMPLETE
MINING PHASE I	CURRENT	JANUARY 2017
RECLAMATION PHASE I	ONGOING	JUNE 2018
MINING PHASE II	AFTER COMPLETION OF PHASE I, AND PERMIT RENEWAL	AFTER COMPLETION OF PHASE II, AND PERMIT RENEWAL
MINING PHASE III	AFTER COMPLETION OF PHASE II, AND PERMIT RENEWAL	AFTER COMPLETION OF PHASE III, AND PERMIT RENEWAL
MINING PHASE IV	THIS AREA WAS PREVIOUSLY MINED, IF MINING IS TO RESUME IT WILL BE AFTER COMPLETION OF PHASE IV, AND PERMIT RENEWAL	



RESOURCE EXTRACTION AND RESTORATION SCHEDULE:

1. ACTIVE RESOURCE EXTRACTION WILL CONTINUE AS AN ONGOING OPERATION IN PHASES AS SHOWN ON THE MINING PLAN. AN APPLICATION FOR PERMIT RENEWAL SHALL BE SUBMITTED EVERY 3 YEARS AS REQUIRED BY ORDINANCE.
2. MAINTAIN THE EXISTING CONSTRUCTION ENTRANCE BY PERIODIC SWEEPING AS REQUIRED DURING PERIODS OF HEAVY TRAFFIC.
3. ESTABLISH TEMPORARY VEGETATION ON EXISTING STOCKPILES OF TOPSOIL AND OVERBURDEN.
4. REGRADE AND RESTORE AREAS WHERE RESOURCE EXTRACTION HAS REACHED THE LIMITS OF EXCAVATION. RECLAMATION SHALL CONSIST OF SEEDING AND PLANTINGS OF EVERGREEN SEEDLINGS AND/OR CLUSTER PLANTINGS IN THE FOLLOWING MANNER:
 - A. EVERGREEN SEEDLINGS - PITCH PINE, VIRGINIA PINE, WHITE PINE OR LOBLOLLY PINE.
 - B. CLUSTER PLANTINGS OF CHARACTERISTIC PINELANDS OAK SPECIES, SUCH AS BLACKJACK OAK, BEAR OAK, CHESTNUT OAK AND BLACK OAK, AND SHRUBS SUCH AS BLACK HUCKLEBERRY, SHEEP LAUREL AND MOUNTAIN LAUREL, AT A SPACING SUFFICIENT TO ENSURE ESTABLISHMENT OF THESE SPECIES.
5. CLEAR PROPOSED RESOURCE EXTRACTION AREAS AND STRIP AND STOCKPILE TOPSOIL AS RECOMMENDED.
6. WET MINING SHALL CONTINUE AS AN EXISTING ACTIVITY WHILE DRY MINING TECHNIQUES BEGIN IN PROPOSED RESOURCE EXTRACTION AREAS.
7. FINISH GRADE ALL SLOPES WHERE RESOURCE EXTRACTION HAS BEEN COMPLETED AND IMPLEMENT PERMANENT SOIL STABILIZATION AND RECLAMATION MEASURES.
8. RECLAMATION SHALL BE AN ONGOING ACTIVITY. RECLAMATION SHALL BE COMPLETED TO THE MAXIMUM EXTENT POSSIBLE IN AREAS WHERE RESOURCE EXTRACTION HAS REACHED THE LIMITS OF EXCAVATION PRIOR TO PERMIT RENEWAL.
9. ALL EQUIPMENT AND MACHINERY USED DURING THE RESOURCE EXTRACTION OPERATIONS SHALL BE REMOVED FROM THE SITE WITHIN SIX MONTHS AFTER THE RESOURCE EXTRACTION OPERATION HAS TERMINATED.

NOTE: THE FRESHWATER WETLANDS/ WATERS BOUNDARY LINE SHOWN ON THIS PLAN IS AS VERIFIED BY NJDEP ON JUNE 4, 2009, FILE NO. 0504-07-0006.1-FWW070001.

07/29/2021	1	INITIAL SUBMISSION	CK	JDD
ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
"CAPE CON" RESOURCE EXTRACTION PLANS				
BLOCK 120, LOTS 63, 64-67, 74, 75 & 79 TOWNSHIP OF DENNIS, CAPE MAY COUNTY, NEW JERSEY				
RECLAMATION PLAN				
HANSON AGGREGATES PENNSYLVANIA, LLC				
3 Killdeer Court, Suite 302, Swedesboro, NJ 08085 ph (856) 241-9705 fax (856) 241-9709 Certificate of Authorization #24GA27956700				
JESSE D. DOUGHERTY, P.E. NEW JERSEY LICENSE NO. 246050080100				
07/29/2021				
HAN 006.06				
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SCALE: 1" = 200'				
DRAWN BY: AY				
CHECKED BY: JDD				
DATE: 07/29/2021				
SHEET: 7 OF 8				
DRAWING NO.: C0104				

