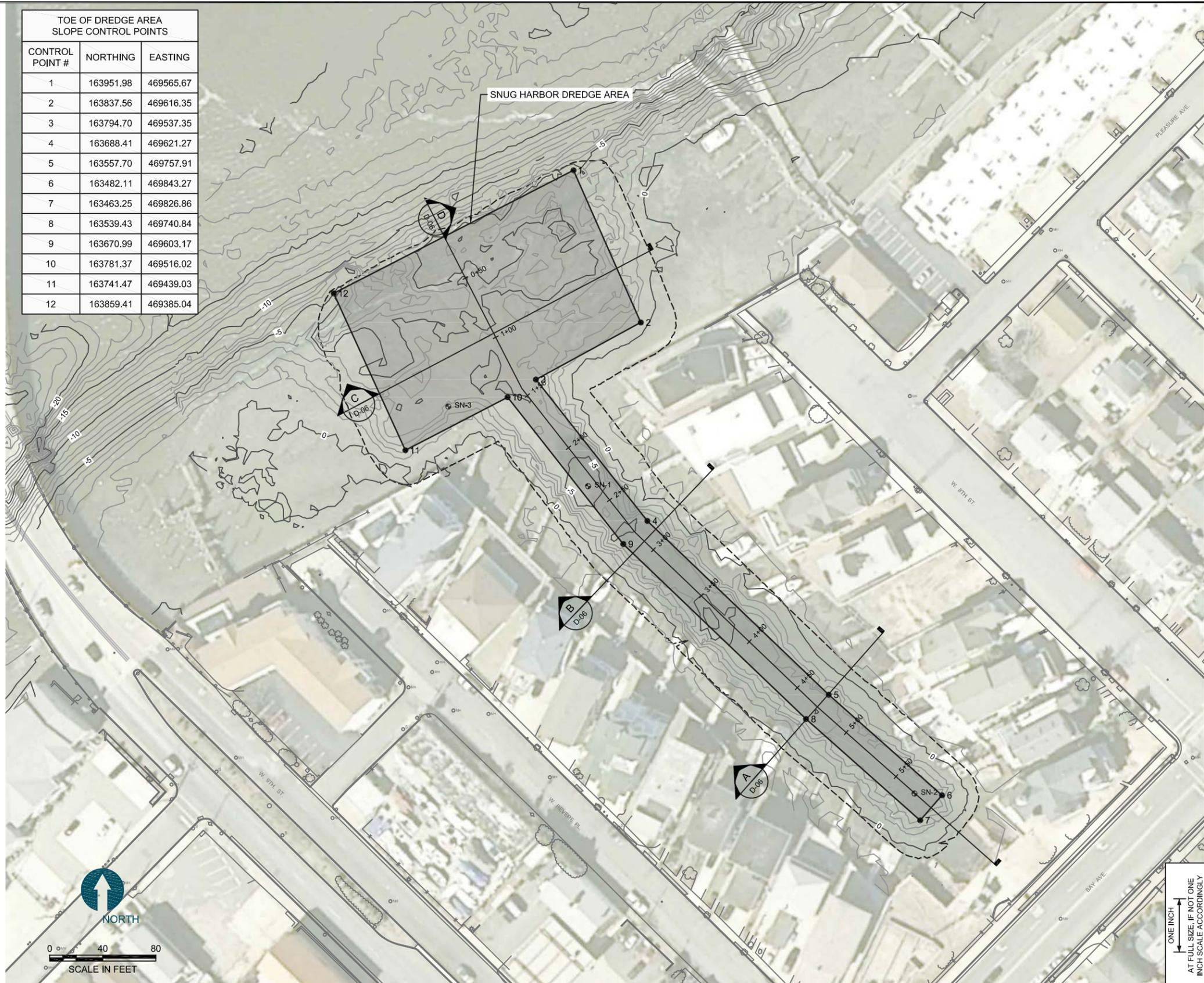


GEOTECHNICAL TESTING DATA		
CORE	MOISTURE CONTENT (% - ASTM D2216)	PASSING NO. 200 SIEVE (% - ASTM D 1140)
SN-1	190.0	90.4
SN-2	172.2	98.5
SN-3	143.0	90.8

TOE OF DREDGE AREA SLOPE CONTROL POINTS		
CONTROL POINT #	NORTHING	EASTING
1	163951.98	469565.67
2	163837.56	469616.35
3	163794.70	469537.35
4	163688.41	469621.27
5	163557.70	469757.91
6	163482.11	469843.27
7	163463.25	469826.86
8	163539.43	469740.84
9	163670.99	469603.17
10	163781.37	469516.02
11	163741.47	469439.03
12	163859.41	469385.04



LEGEND

- EXISTING GRADE
- LIMIT OF REQUIRED DREDGING TO ELEV. -4.0 MLW
- APPROXIMATE DAYLIGHT EXTENTS
- APPROXIMATE LOCATION OF SEDIMENT SAMPLE
- DREDGE CONTROL POINT LOCATION

DREDGING NOTE:

CONTRACTOR SHALL USE EXTREME CARE WHEN DREDGING ADJACENT TO EXISTING PILINGS, DOCKS, AND OTHER PRIVATE STRUCTURES SO AS NOT TO DAMAGE APPENDAGES, BUBBLER SYSTEMS, WEIGHTS, PULLEY SYSTEMS, ETC.

NOTES:

1. HYDROGRAPHIC SURVEY CONDUCTED BY ACT ENGINEERS ON DECEMBER 30, 2015 AND JANUARY 21, 2016.
2. GEOTECHNICAL DATA PROVIDED BY THE CITY. WORK BY DUFFIELD ASSOCIATES FROM 2012.
3. HORIZONTAL DATUM - NJ STATE PLANE COORDINATES (NAD 83); VERTICAL DATUM - MLW (LOCAL)
4. 2007 AERIAL IMAGERY WAS OBTAINED FOR THE NJGIN INFORMATION WAREHOUSE.
5. DATUM CONVERSION FOR THE DECEMBER 2015 SURVEY CONDUCTED BY ACT ENGINEERS IS BASED ON AVAILABLE LOCAL TIDAL DATA.
6. CONTRACTOR SHALL ESTABLISH A SURVEYED TIDE BOARD AT EACH DREDGING AREA AND MONITOR CONTINUOUSLY THROUGHOUT CONSTRUCTION TO VERIFY REMOVAL DEPTHS.
7. CONTRACTOR TO LOCATE AND FIELD VERIFY ALL STRUCTURES AND UTILITIES AND TAKE MEASURES TO PROTECT THEM.
8. CONTRACTOR SHALL ONLY REMOVE MATERIAL WITHIN THE DREDGING LIMITS. ANY MATERIAL REMOVED DUE TO SLOUGHING BEYOND THE DESIGNED SLOPE LIMITS OR MATERIAL REMOVED FROM BELOW THE DESIGNATED CUT DEPTHS WILL NOT BE PAID.

K:\Projects\1314_City of Ocean City Coastal & Dredging Support\Construction Plans\1314-PL-002 (Dredge).dwg SNUG HARBOR DREDGE AREA (AO) Jun 30, 2016 9:13am chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: S. BAGNULL
 DRAWN BY: C. HEWETT
 CHECKED BY: T. MERRITTS
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: JUNE 2016

2016 BACK BAY DREDGING

DREDGING PLAN - SNUG HARBOR

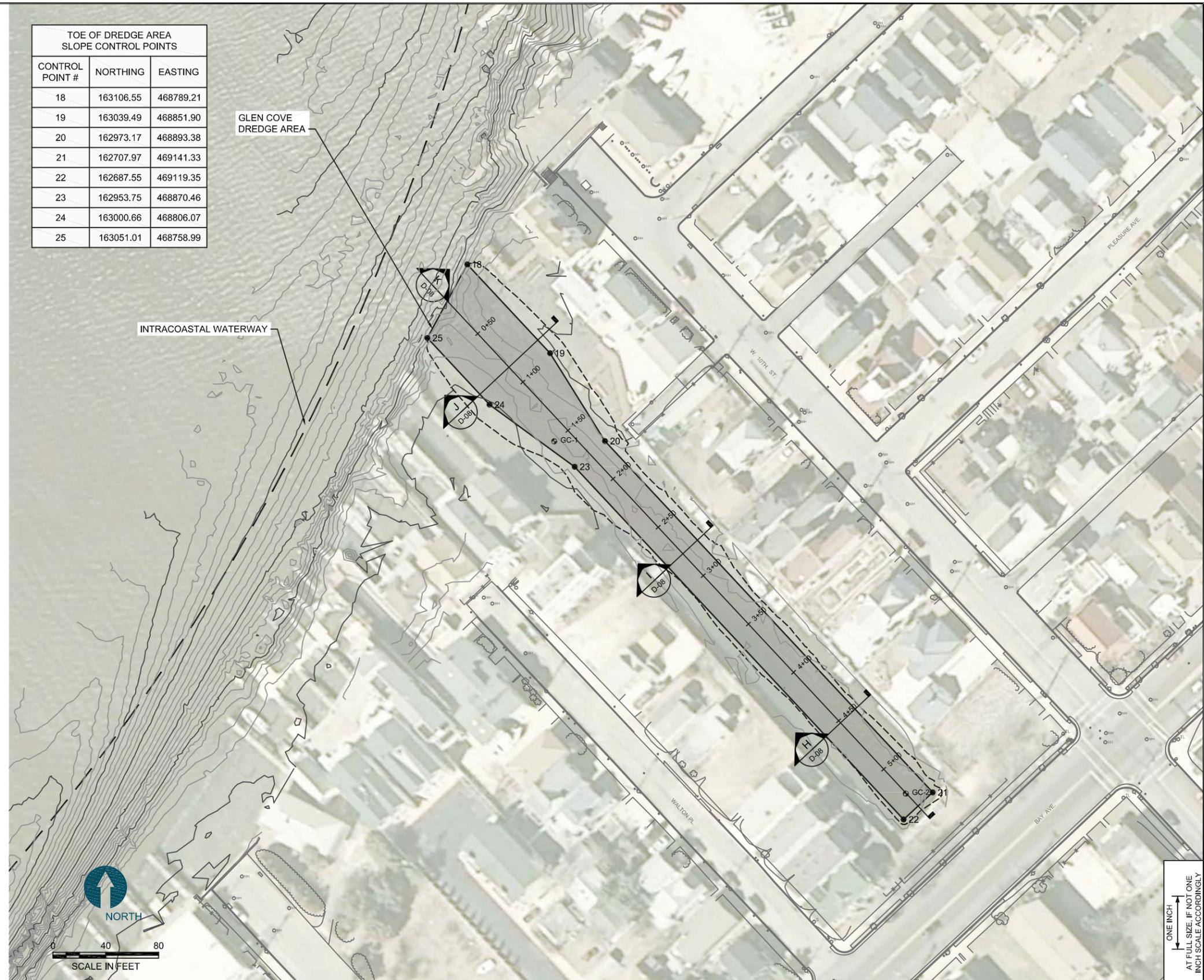
D-01

SHEET NO. 3 OF 16

ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

GEOTECHNICAL TESTING DATA		
CORE	MOISTURE CONTENT (% - ASTM D2216)	PASSING NO. 200 SIEVE (% - ASTM D 1140)
GC-1	154.5	94.6
GC-2	169.3	98.5

TOE OF DREDGE AREA SLOPE CONTROL POINTS		
CONTROL POINT #	NORTHING	EASTING
18	163106.55	468789.21
19	163039.49	468851.90
20	162973.17	468893.38
21	162707.97	469141.33
22	162687.55	469119.35
23	162953.75	468870.46
24	163000.66	468806.07
25	163051.01	468758.99



- LEGEND**
- EXISTING GRADE
 - LIMIT OF REQUIRED DREDGING TO ELEV. -3.0 MLW
 - APPROXIMATE DAYLIGHT EXTENTS
 - DREDGE CONTROL POINT LOCATION

DREDGING NOTE:

CONTRACTOR SHALL USE EXTREME CARE WHEN DREDGING ADJACENT TO EXISTING PILINGS, DOCKS, AND OTHER PRIVATE STRUCTURES SO AS NOT TO DAMAGE APPENDAGES, BUBBLER SYSTEMS, WEIGHTS, PULLEY SYSTEMS, ETC.

NOTES:

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3. HORIZONTAL DATUM - NJ STATE PLANE COORDINATES (NAD 83); VERTICAL DATUM - MLW (LOCAL)
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5. SLOPES HAVE BEEN PROJECTED IN AREAS OF LIMITED BATHYMETRIC COVERAGE USING NEARBY MEASURED ELEVATIONS.
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9. CONTRACTOR SHALL ONLY REMOVE MATERIAL WITHIN THE DREDGING LIMITS. ANY MATERIAL REMOVED DUE TO SLOUGHING BEYOND THE DESIGNED SLOPE LIMITS OR MATERIAL REMOVED FROM BELOW THE DESIGNATED CUT DEPTHS WILL NOT BE PAID.

K:\Projects\1314 City of Ocean City Coastal & Dredging Support\Construction Plans\1314-PL-002 (Dredge).dwg GLEN COVE DREDGE AREA (AO) Jun 30, 2016 9:14am chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: S. BAGNULL
 DRAWN BY: C. HEWETT
 CHECKED BY: T. MERRITTS
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: JUNE 2016

2016 BACK BAY DREDGING

DREDGING PLAN - GLEN COVE

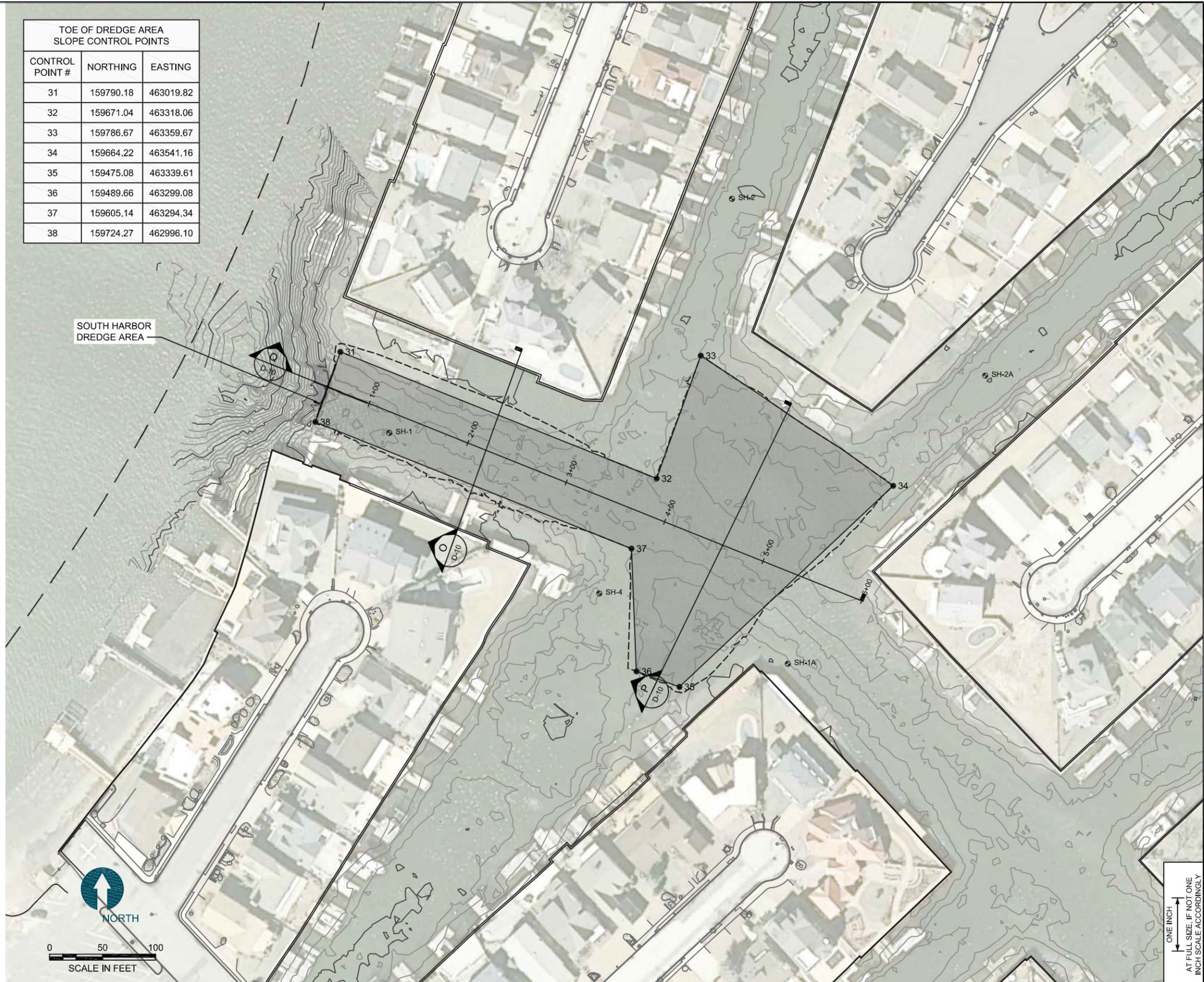
D-03

SHEET NO. 5 OF 16

ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

GEOTECHNICAL TESTING DATA		
CORE	MOISTURE CONTENT (% - ASTM D2216)	PASSING NO. 200 SIEVE (% - ASTM D 1140)
SH-1	146.9	95.7
SH-1A	175.7	98.8
SH-2	163.9	98.4
SH-2A	221.4	99.7
SH-4	176.7	97.4

TOE OF DREDGE AREA SLOPE CONTROL POINTS		
CONTROL POINT #	NORTHING	EASTING
31	159790.18	463019.82
32	159671.04	463318.06
33	159786.67	463359.67
34	159664.22	463541.16
35	159475.08	463339.61
36	159489.66	463299.08
37	159605.14	463294.34
38	159724.27	462996.10



- LEGEND**
- EXISTING GRADE
 - LIMIT OF REQUIRED DREDGING TO ELEV. -3.0 MLW
 - APPROXIMATE DAYLIGHT EXTENTS
 - APPROXIMATE LOCATION OF SEDIMENT SAMPLE
 - DREDGE CONTROL POINT LOCATION

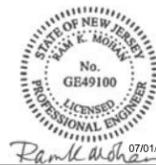
DREDGING NOTE:

CONTRACTOR SHALL USE EXTREME CARE WHEN DREDGING ADJACENT TO EXISTING PILINGS, DOCKS, AND OTHER PRIVATE STRUCTURES SO AS NOT TO DAMAGE APPENDAGES, BUBBLER SYSTEMS, WEIGHTS, PULLEY SYSTEMS, ETC.

NOTES:

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K:\Projects\1314_City of Ocean City Coastal & Dredging Support\Construction Plans\1314-PL-002 (Dredge).dwg SOUTH HARBOR DREDGE AREA Jun 30, 2016 9:14am chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: S. BAGNULL
 DRAWN BY: C. HEWETT
 CHECKED BY: T. MERRITTS
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: JUNE 2016

2016 BACK BAY DREDGING

DREDGING PLAN - SOUTH HARBOR

D-05

SHEET NO. 7 OF 16

ONE INCH
AT FULL SIZE IF NOT ONE
INCH SCALE ACCORDINGLY