

US Army Corps of Engineers. Philadelphia District

Wanamaker Building 100 Penn Square East Philadelphia, PA 19107-3390

ATTN: CENAP-OP-R

Public Notice

Public Notice No. CENAP-OP-R-2020-00490-95

08 July 2020

Application No.

File No.

CENAP-OP-R-2020-00490-95

In Reply Refer to:

REGULATORY BRANCH

This District has received an application for a Department of the Army (DA) permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: New Jersey Department of Transportation

> Office of Maritime Resources Attn: Ms. Genevieve Clifton

P.O. Box 600

Trenton, New Jersey 08625-0600

WATERWAY: Absecon Inlet/Little Panama – Brigantine State Channel (#170).

LOCATION: Sunflower Island, City of Brigantine, Atlantic County, New Jersey: Latitude

> 39.396684°N, Longitude: -74.411080°W; Gateway Confined Disposal Facility (CDF), City of Pleasantville, Atlantic County, New Jersey: Latitude

39.384140°N, Longitude: -74.492852°W.

ACTIVITY: The applicant, New Jersey Department of Transportation – Office of Maritime

Resources, has requested Department of the Army authorization to perform ten (10)-year maintenance dredging of approximately 38,165.0-cubic yards of shoaled sediments from an approximately 31,894.0-foot long channel to -5.0feet below the plane of Mean Low Water (MLW), plus 1.0-foot of allowable overdredge. The channel design width is 100.0-linear feet, with 3:1 side slopes.

All of the work would be accomplished via hydraulic cutterhead dredge.

All resultant dredged material, estimated to total approximately 38,165.0-cubic yards of predominantly coarse-grained sediment (i.e. greater than 70% sand), will be hydraulically pumped via pipeline and discharged at existing sand shoals off Sunflower Island for enhancement of shallow water habitat. Residual finegrained dredged material will be hydraulically pumped via pipeline into the Gateway CDF.

Due to the short length of pipeline required to transport dredged material to Sunflower Island, the dredge pipeline will be floating. The dredge pipeline to the Gateway CDF will be floating, except where it crosses navigation channels where it will be sunken for safety reasons. All pipeline will be marked as per U.S. Coast Guard regulations.

Brigantine State Channel has been historically maintenance dredged, with the currently-proposed maintenance dredging program targeting substantial shoaling that has built up over the last decade, to include sediment deposited by Superstorm Sandy and Winter Storm Jonas.

Each maintenance dredging event is anticipated to be approximately twelve (12) weeks in duration, including mobilization/demobilization, dredging, and material placement activities. Two (2) or three (3) maintenance dredging events are anticipated to be conducted over the next ten (10)-years.

PURPOSE:

The stated purpose of this project is to restore and maintain safe navigational depths for transiting recreational and emergency vessels; and enhancement of shallow water habitat by reutilization of dredged material within the "back bay" system.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Due to the potential for extensive telework associated with the COVID-19 situation, all comments on the proposed work should be submitted, within thirty (30) days, via email only to the District Engineer, U.S. Army Corps of Engineers - Philadelphia District at PhiladelphiaDistrictRegulatory@usace.army.mil.

From a review of this application concerning Section 106 of the National Historic Preservation Act of 1966, the permit area has been so extensively modified from past use, including historical

maintenance dredging, that little likelihood exists for the proposed project to impact an historic property.

A preliminary review of this application indicates that the proposed work may affect listed aquatic-based species or their critical habitat. Pursuant to Section 7 of the Endangered Species Act (ESA), the Philadelphia District will evaluate the potential effects from the proposed actions to these species and their habitat, and consult with NOAA Fisheries as appropriate. Consultation will be concluded prior to the final decision on this permit application.

A preliminary review of this application indicates that the proposed work may affect listed land-based species or their critical habitat. Pursuant to Section 7 of the Endangered Species Act (ESA), the Philadelphia District will evaluate the potential effects from the proposed actions to these species and their habitat, and consult with the U.S. Fish & Wildlife Service as appropriate. Consultation will be concluded prior to the final decision on this permit application.

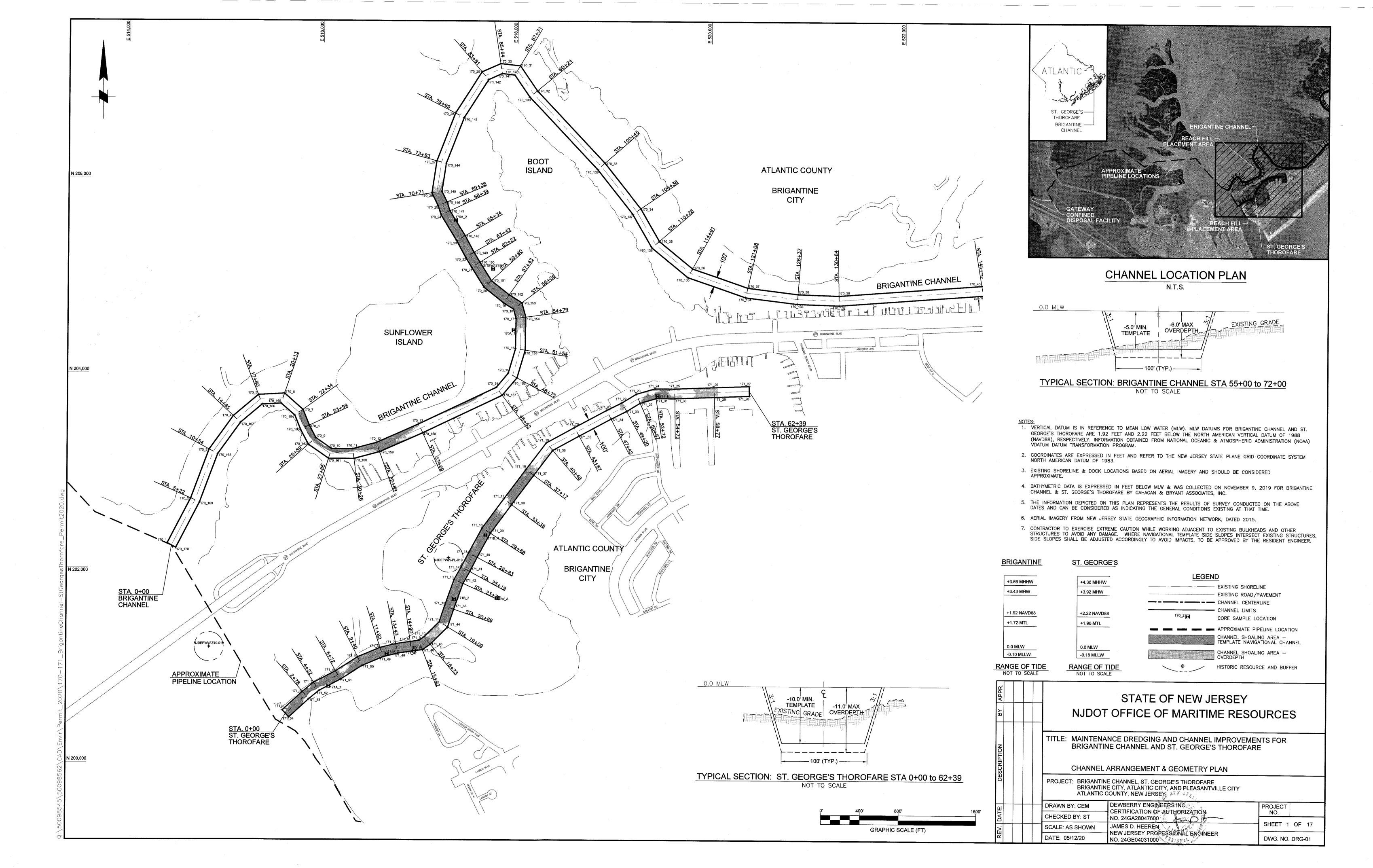
The Magnuson-Stevens Fishery Conservation and Management Act requires all federal agencies to consult with the NOAA Fisheries for all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). A preliminary review of this application indicates that EFH is present within the project area. The Philadelphia District will evaluate the potential effects of the proposed actions on EFH and will consult with NOAA Fisheries as appropriate. Consultation will be concluded prior to the final decision on this permit application.

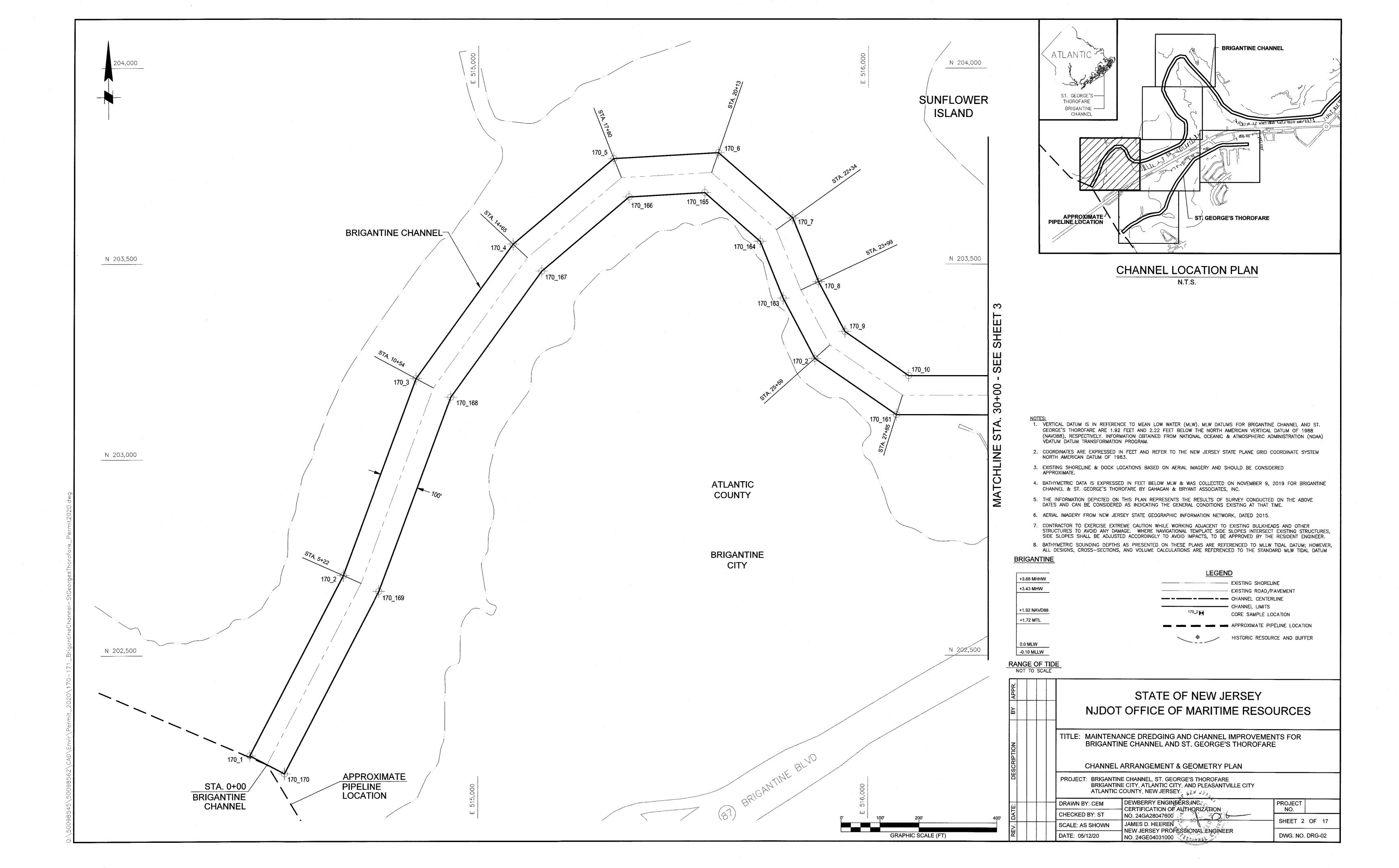
In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

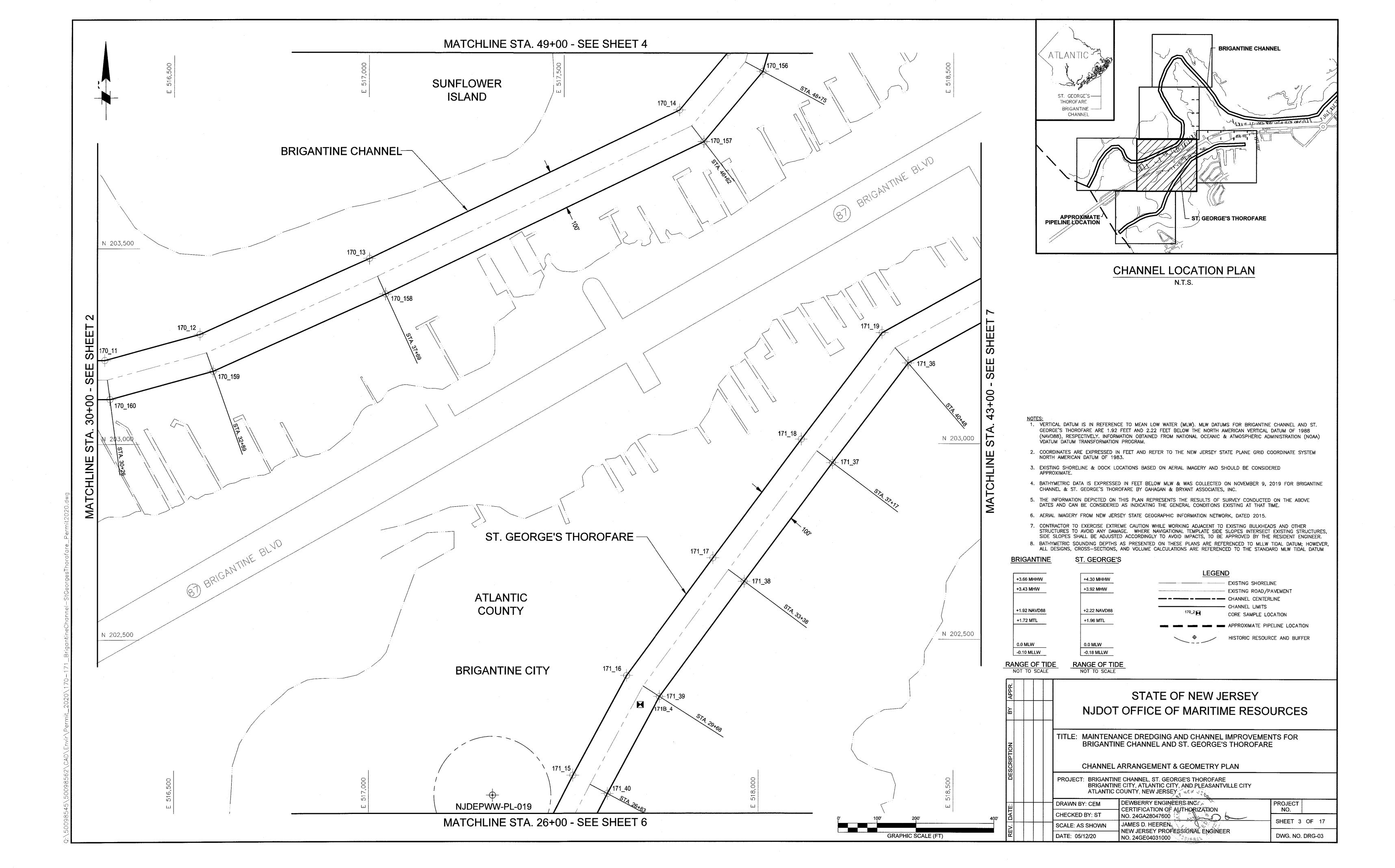
Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

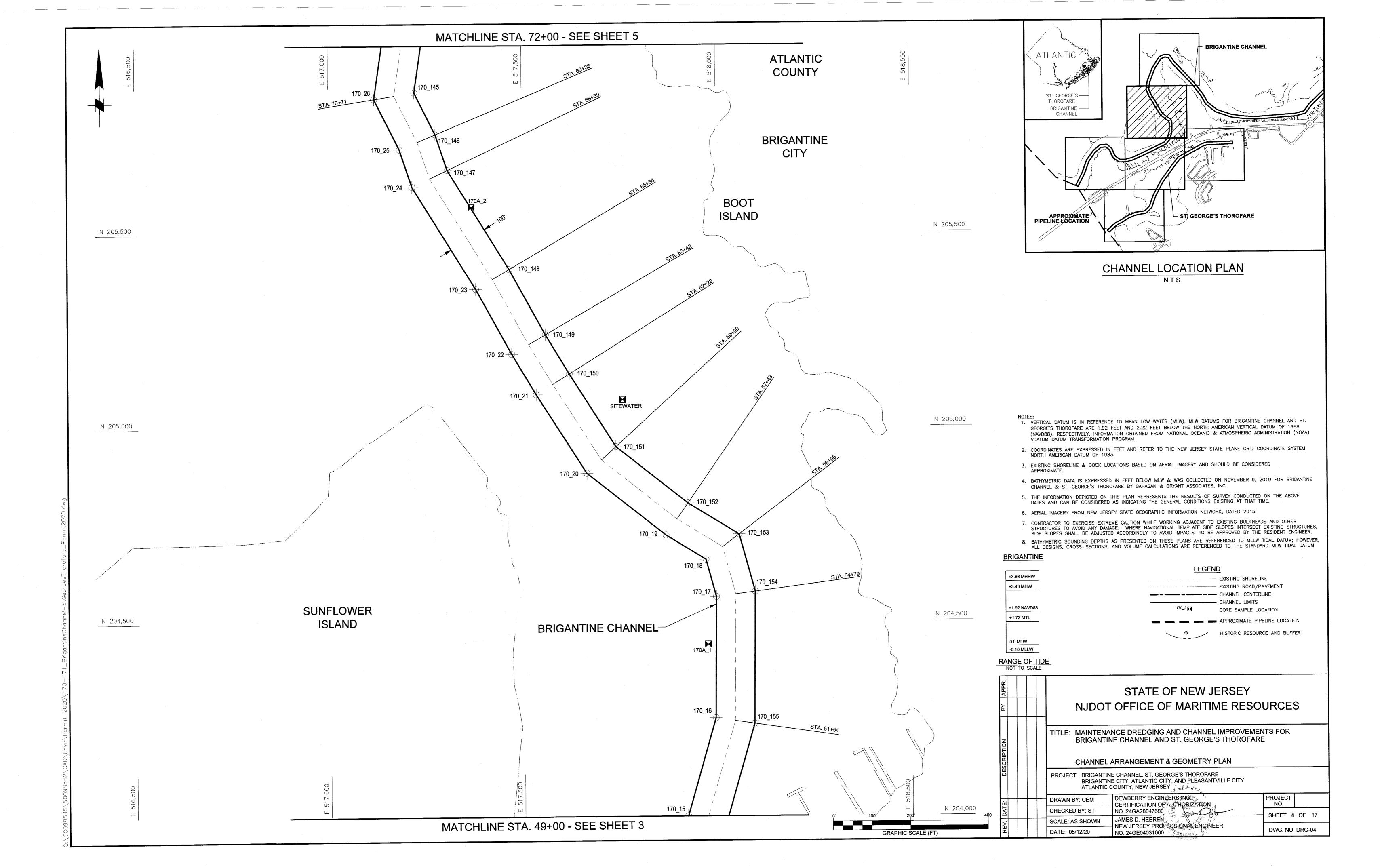
Additional information concerning this permit application may be obtained by contacting Mr. Robert Youhas of my staff at via email at robert.youhas@usace.army.mil, or by phone at 215-656-6729.

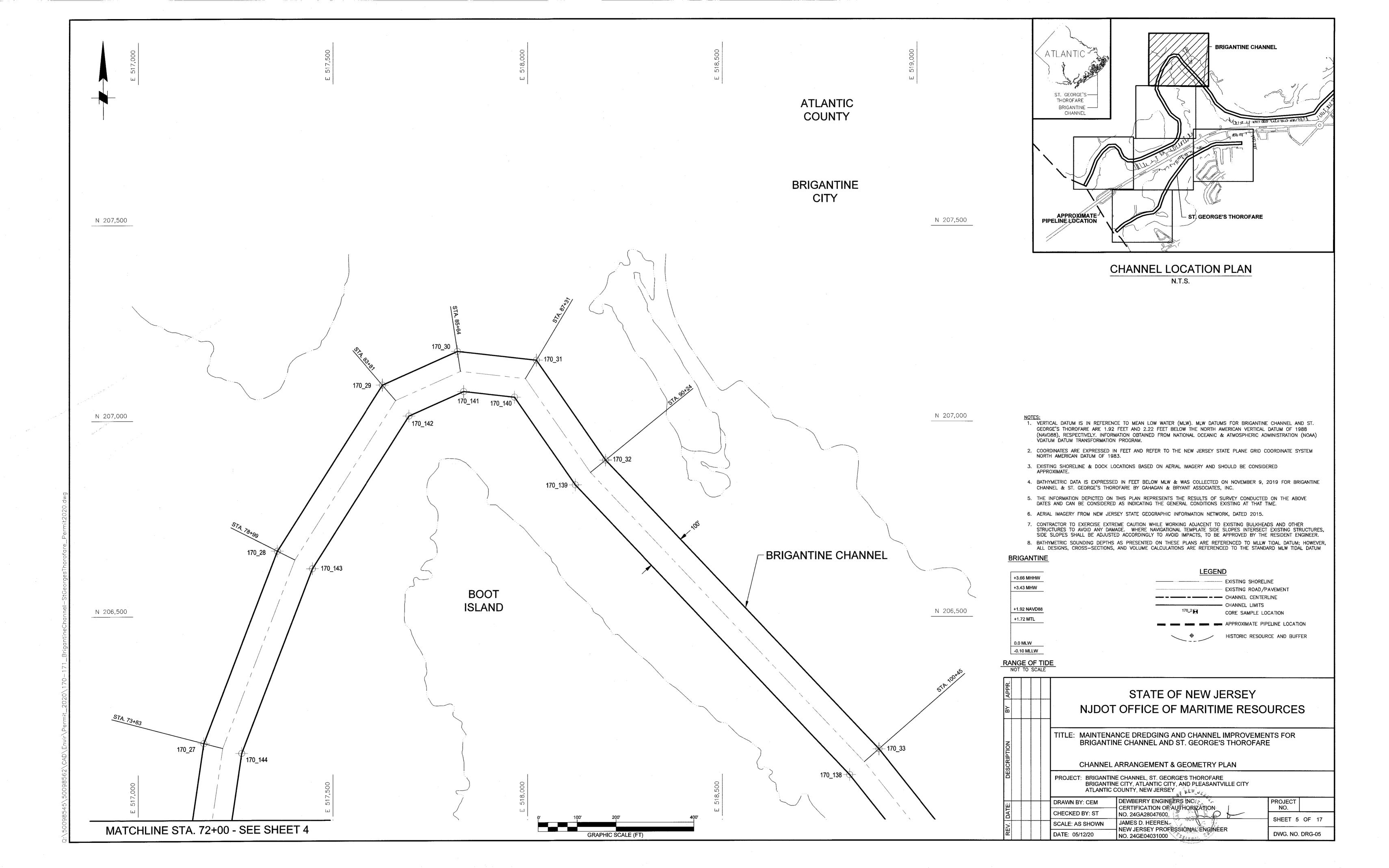
Todd A. Schaible Chief, Regulatory Branch

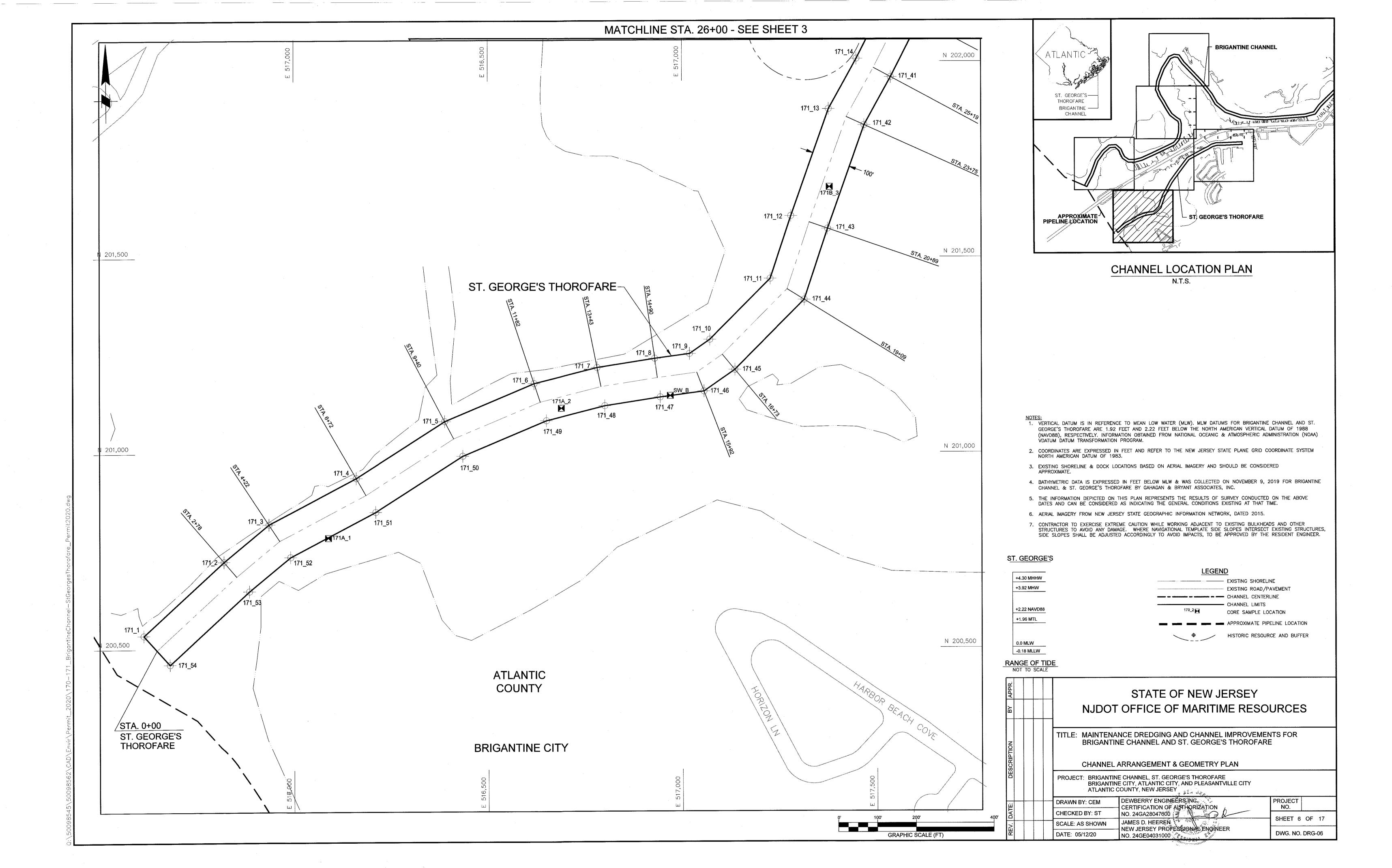


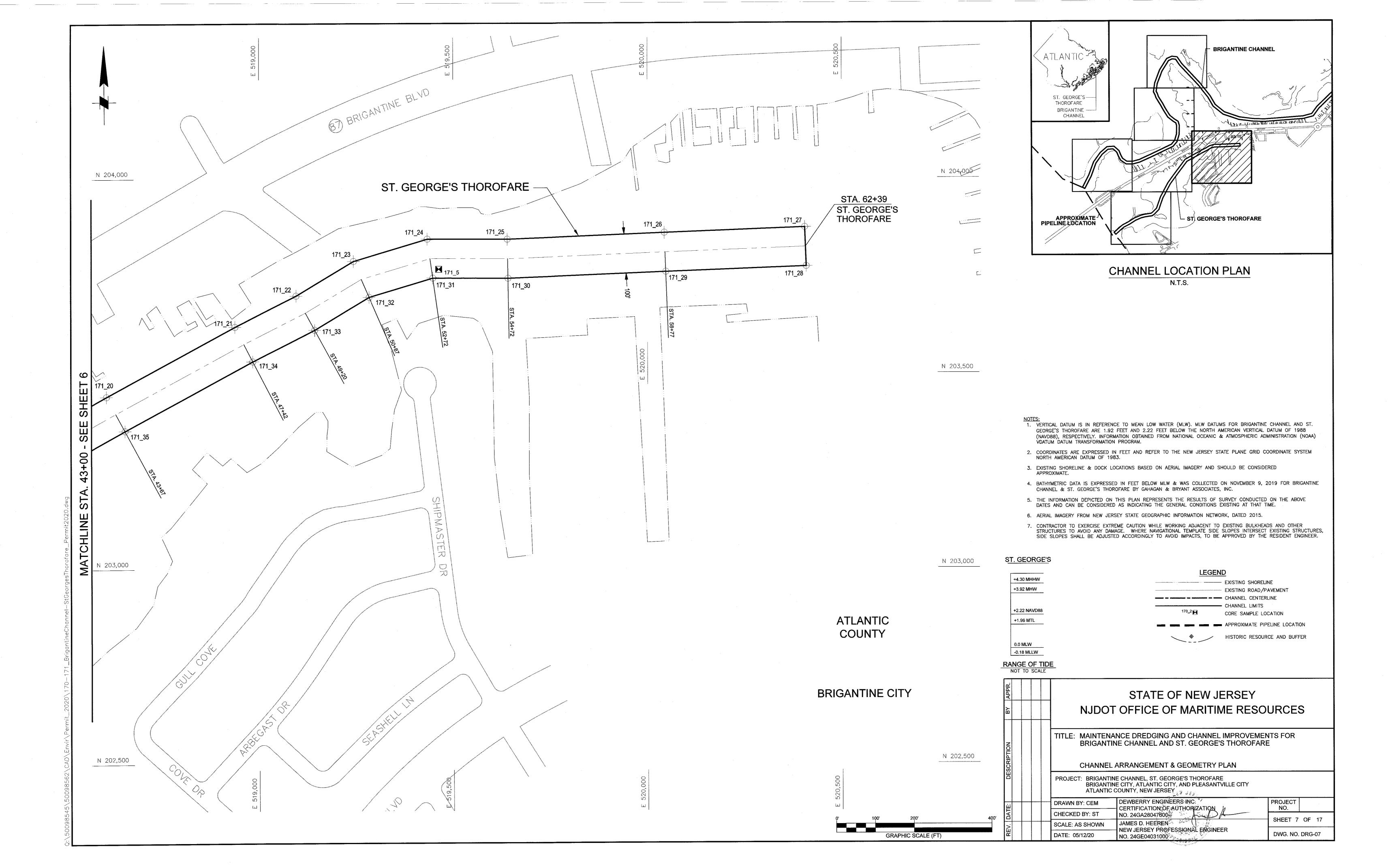


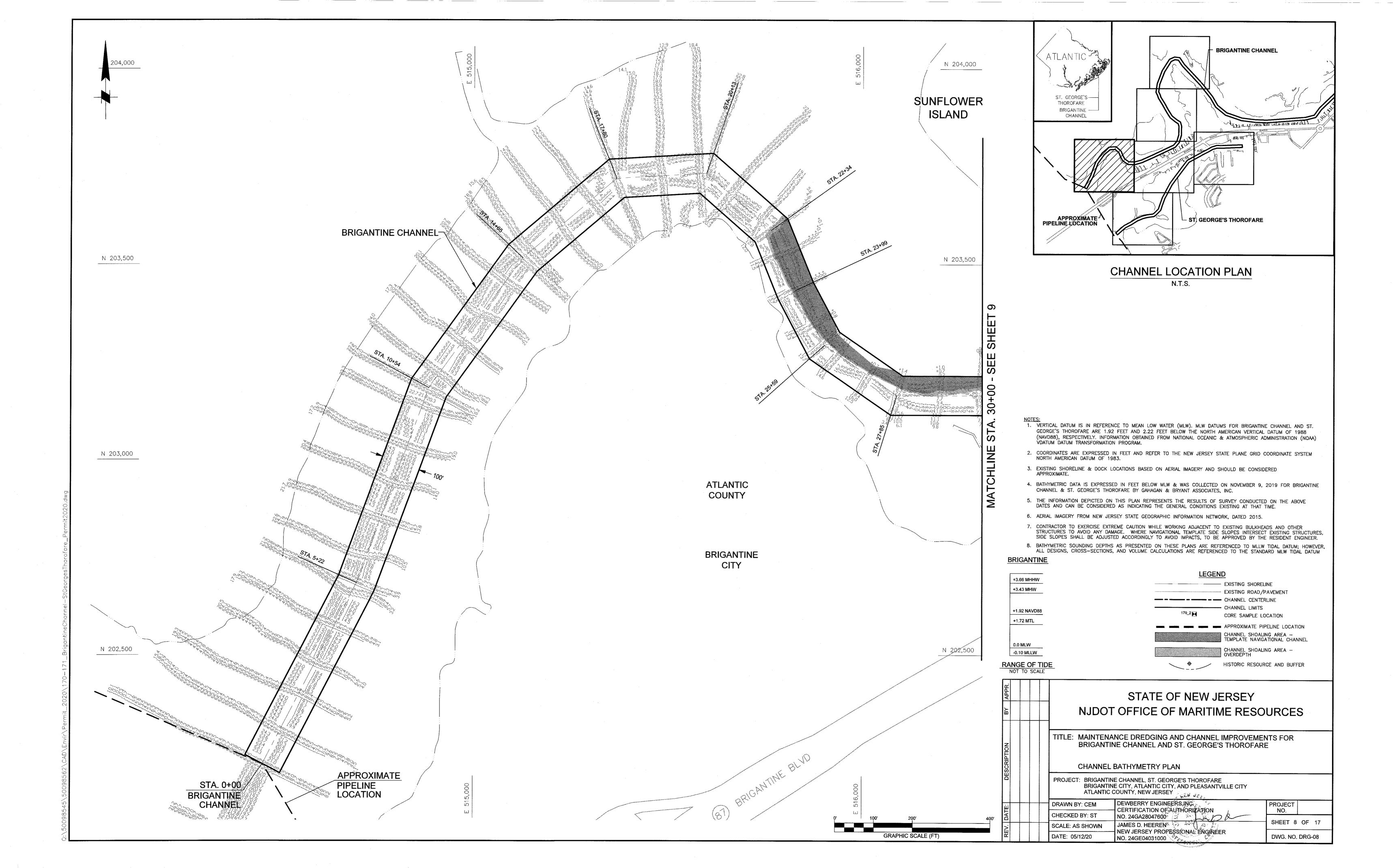


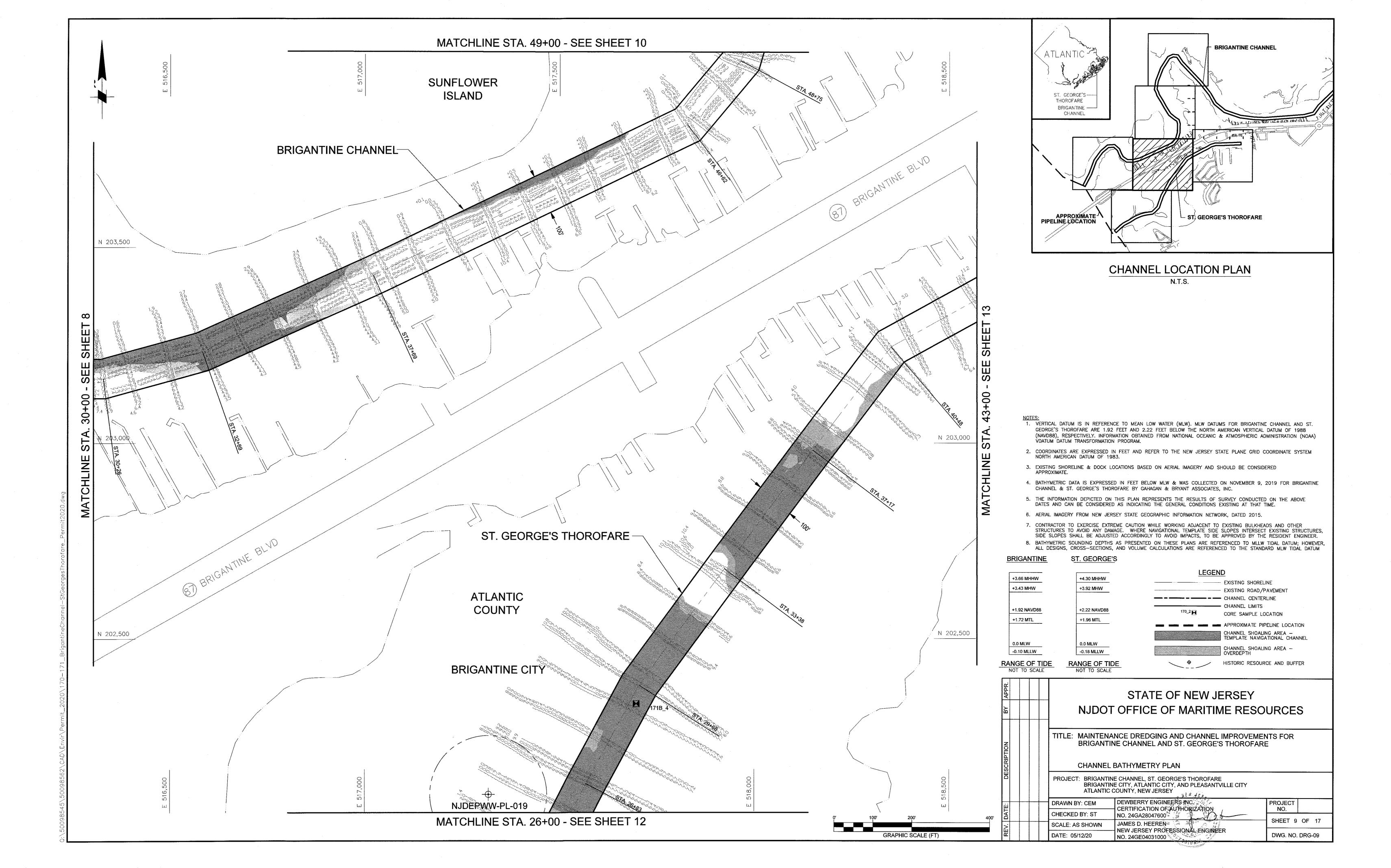


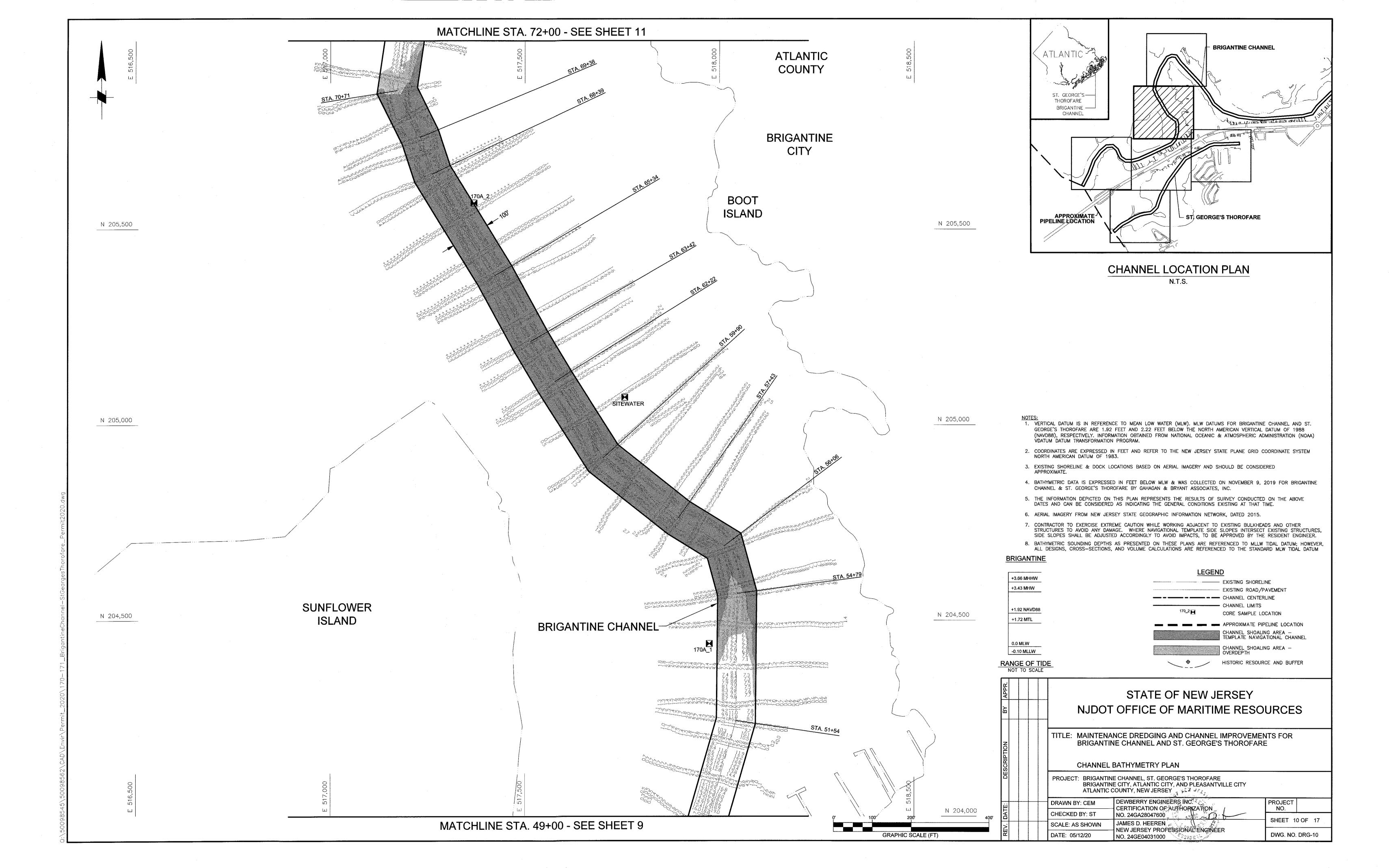


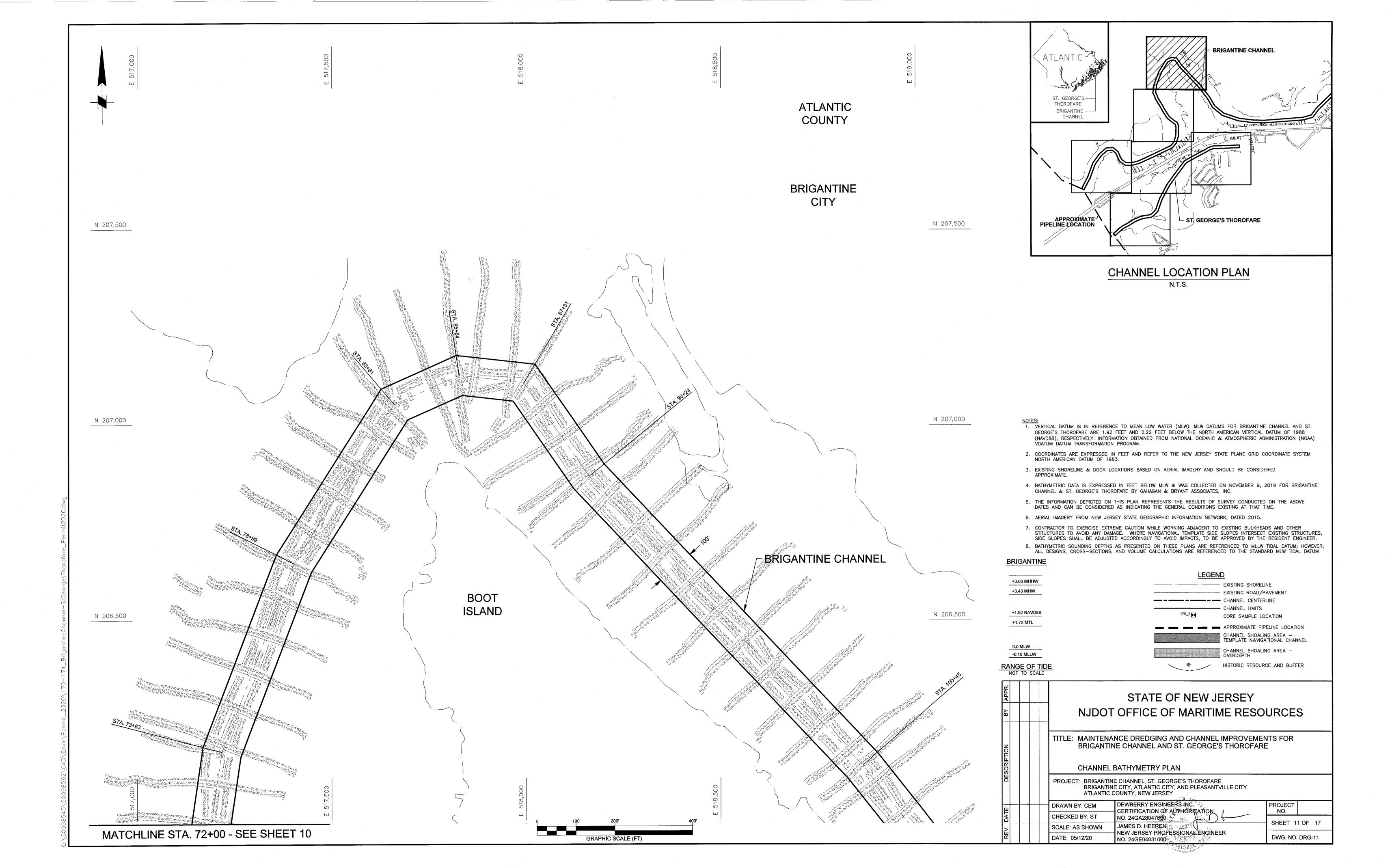


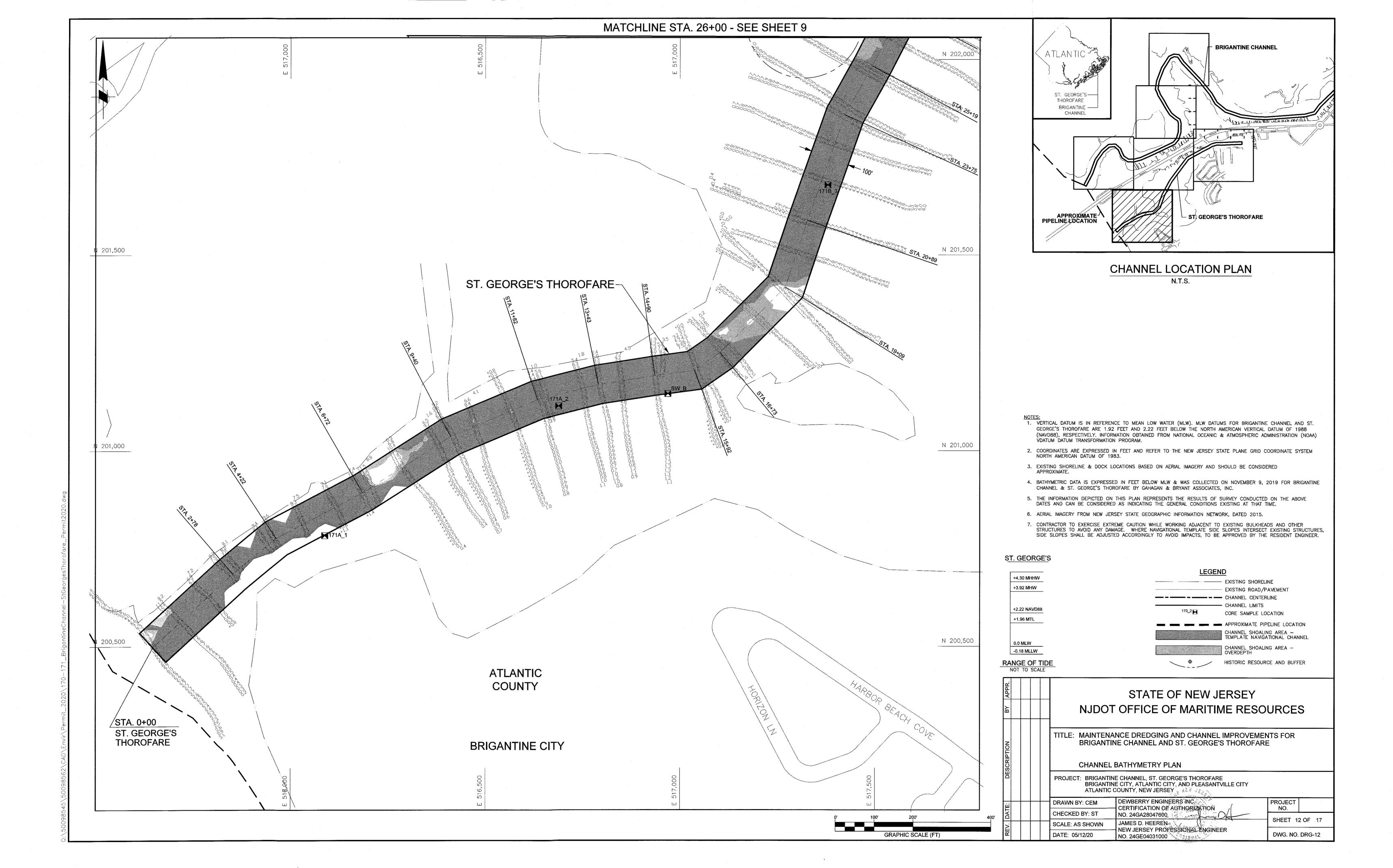


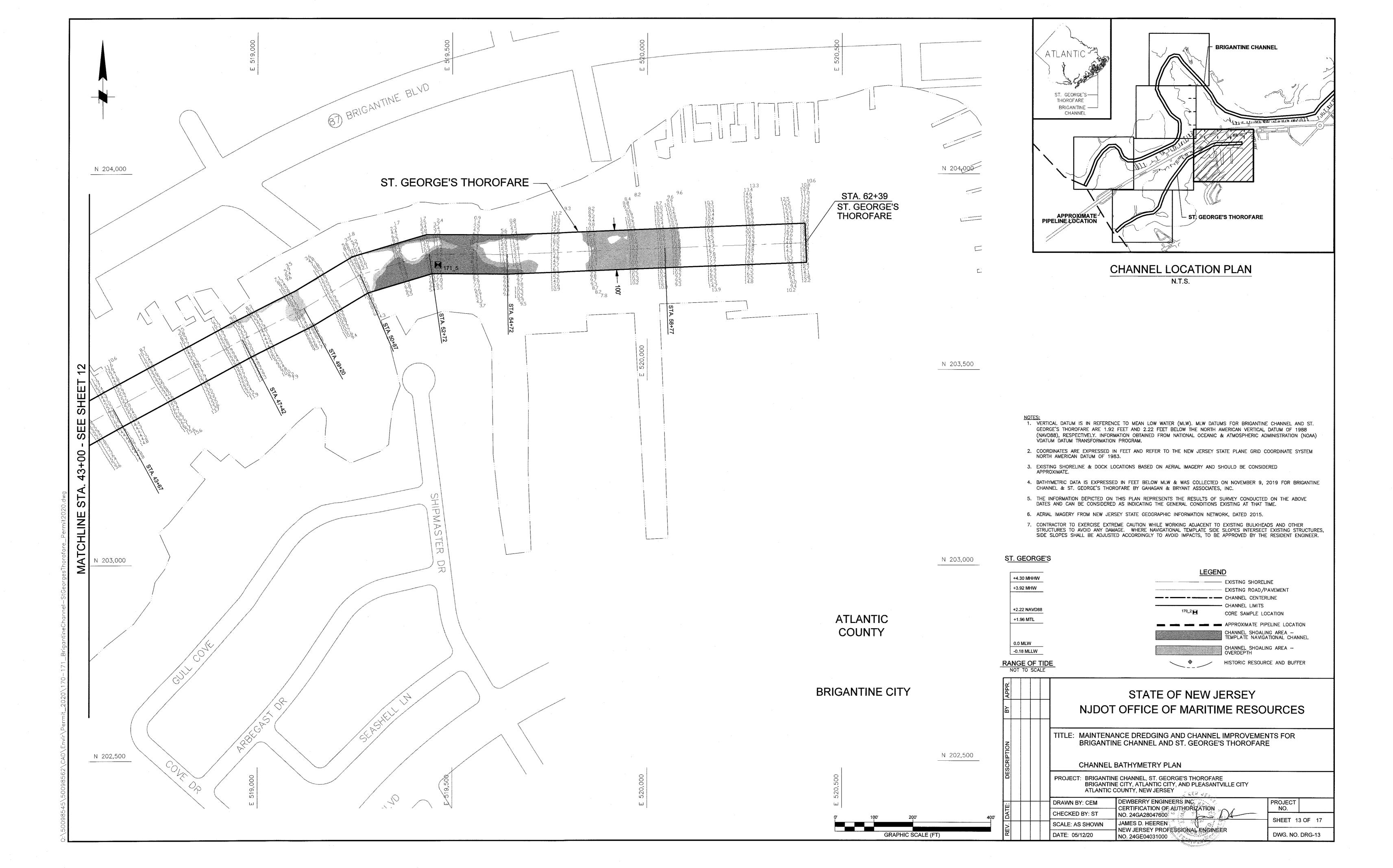


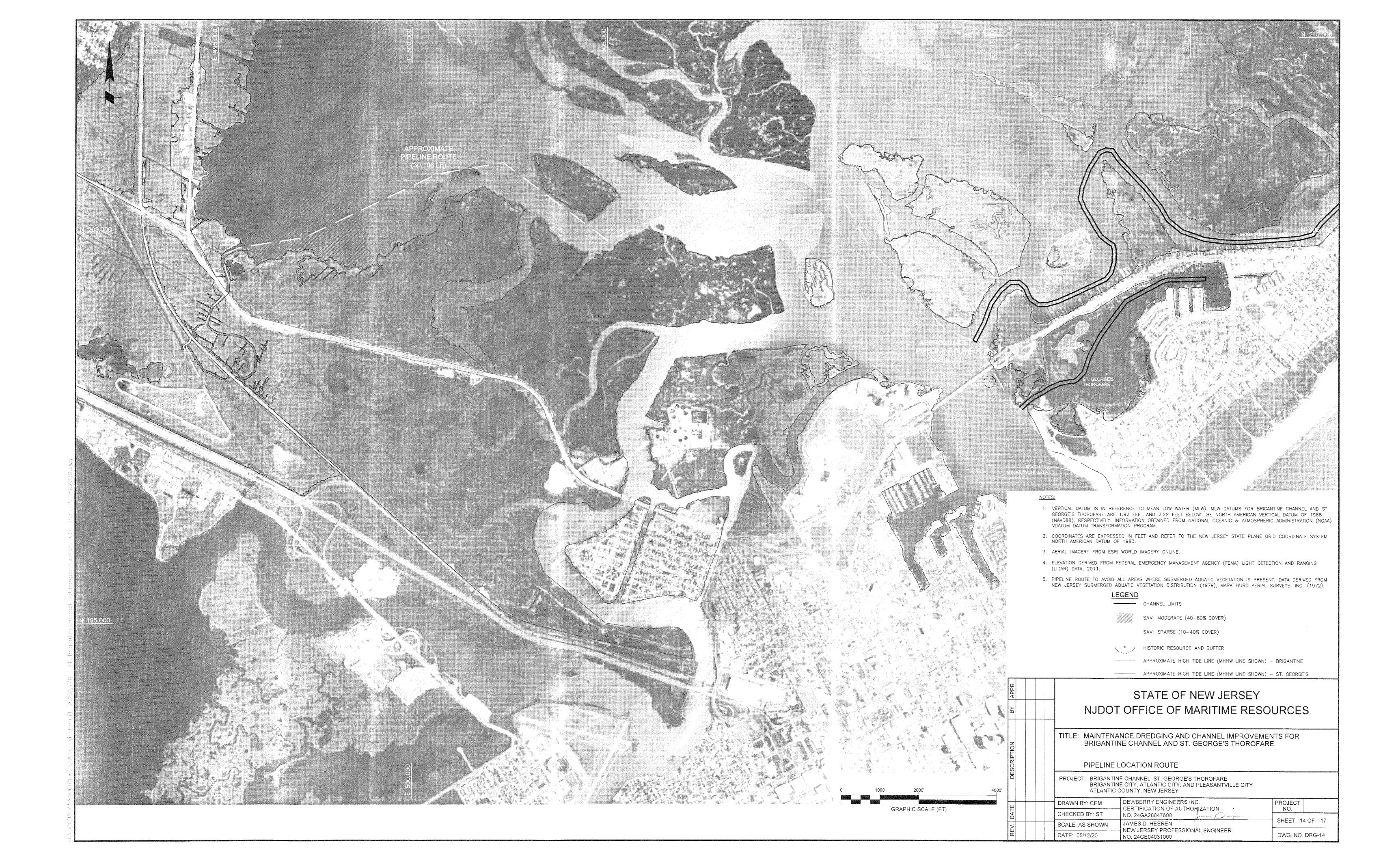


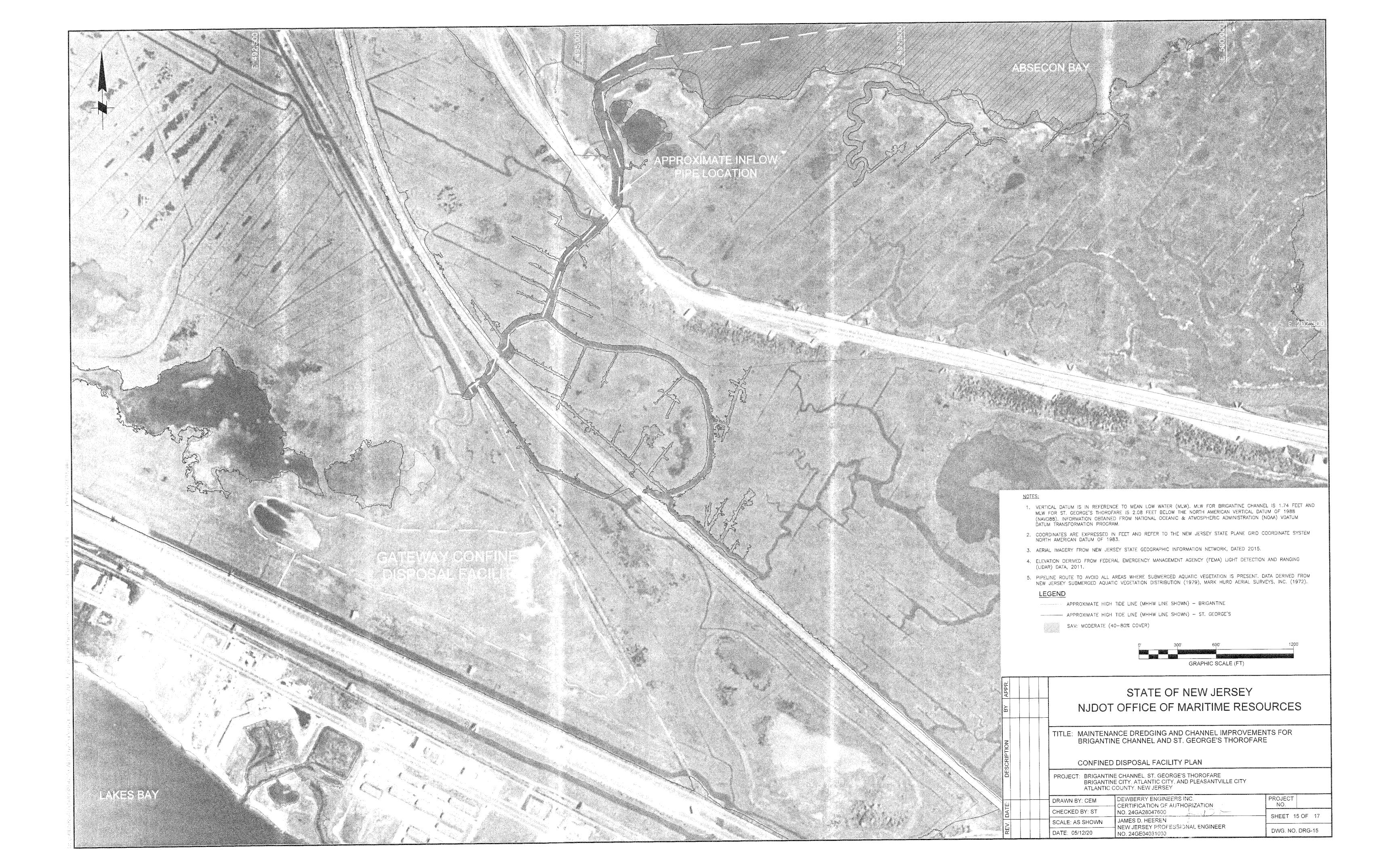














	ANTINE CHA		1 1	ANTINE CHA	
Point	Northing	Easting	Point	Northing	Easting
170_1	202244.0	514415.2	170_64	211819.0	524869.
170 2	202703.9	514654.4	170_65	212012.5	524751.
170_2			170_66		
	203207.1	514840.7		212205.3	524691.
170_4	203550.7	515088.9	170_67	212337.8	524652.
170_5	203769.0	515346.9	170_68	212444.9	524610.
170_6	203784.2	515615.7	170_69	212653.3	524644.
170_7	203617.4	515806.4	170_70	212799.5	524701.
170_8	203454.9	515872.8	170_71	213097.8	524914.
170_9	203327.3	515940.5	170_72	213312.4	525109.
170_10	203214.8	516103.8	170_73	213557.6	525750.
 170_11	203214.8	516322.2	170_74	213707.8	526201.
170_12			170_75	213763.2	526736.
	203281.0	516566.5	170_76		
170_13	203474.1	517001.0		213981.7	527301
170_14	203853.1	517796.7	170_77	214369.0	528020.0
170_15	203999.6	517920.2	170_78	214555.8	528375.
170_16	204251.0	517992.9	170_79	214740.9	528893.
170_17	204562.2	517995.9	170_80	214905.9	529205.
170_18	204658.1	517969.5	170_81	214987.8	529365.0
 170_19	204721.2	517866.6	170_82	215075.9	529532.0
170_20	204881.2	517663.4	170_83	215165.5	529706.:
170_20			170_84		
	205084.3	517534.2		215248.7	529881.4
170_22	205188.6	517471.7	170_85	215279.9	529992.3
170_23	205356.3	517379.5	170_86	215183.6	530019.4
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			170_92		
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170_36	205078.6	519814.2	170_99	213227.5	525167.4
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			170_101		
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170_40	204917.0	522798.1	170_103	212455.9	524713.6
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	····				
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170_52	208839.1	527328.7	170_115	210036.0	527200.2
170_53	209182.4	527364.8	170_116	209759.4	527310.8
170_54	209515.2	527364.8	170_117	209547.7	527464.8
170_55	209710.6	527222.6	170_118	209177.1	527464.8
170_56	209989.2	527111.2	170_119	208817.2	527426.9
170_57	210249.6	526937.6	170_120	208374.0	527272.8
170_58	210320.3	526760.7	170_121	208172.2	527050.8
170_59	210897.1	525997.9	170_122	208097.7	526771.3
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170_61		525357.9	170_124	207544.3	525847.2
	211319.2				
170_62	211470.0	525161.3	170_125	207395.1	525586.2
170_63	211706.9	524935.9	170_126	207306.8	525374.2

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	Point	Northing	Easting	_	Point	Northing	Easting
	170_127	206982.8	525140.3	1	171_1	200535.1	515613.1
	170_128	206165.2	524396.9	1	171_2	200723.3	515819.6
	170_129	205204.6	523399.4	-	171_3	200818.4	515935.5
	170_130	204916.2	523187.9	-	171_4	200936.0	516160.2
	170_131	204818.0	522814.7		171_5	201081.1	516388.3
	170_132	204706.4	521326.8		171_6	201177.8	516618.5
	170_133	204721.4	520895.6		171_7	201218.3	516780.5
	170_134	204785.4	520363.0		171_8	201241.3	516929.0
	170_135	204989.6	519765.2		171_9	201253.2	517018.9
	170_136	205292.9	519391.8		171_10	201289.4	517071.1
	170_137	205635.0	519193.1		171_11	201445.1	517226.8
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	170_139	206834.7	518122.1		171_13	201879.1	517377.6
	170_140	207059.8	517966.3		171_14	202007.3	517449.0
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	170_145	205862.3	517223.2		171_19	203284.2	518317.0
	170_146	205754.3	517277.2		171_20	203443.3	518606.7
	170_147	205662.5	517307.8		171_21	203620.9	518937.7
	170_148	205406.7	517465.9		171_22	203700.1	519095.1
	170_149	205238.4	517558.5		171_23	203788.3	519243.0
	170_150	205136.9	517619.3		171_24	203845.0	519433.2
	170_151	204949.2	517738.6		171_25	203844.0	519639.1
	170_152	204803.4	517923.9		171_26	203860.1	520043.4
	170_153	204722.7	518055.4		171_27	203873.5	520405.1
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	170_158	203383.2	517042.8		171_32	203696.0	519283.5
	170_159	203186.5	516600.1		171_33	203612.3	519143.2
	170_160	203114.8	516335.5		171_34	203532.2	518983.8
	170_161	203114.8	516072.7		171_35	203355.4	518654.4
	170_162	203258.8	515863.6		171_36	203206.7	518383.8
	170_163	203412.4	515782.1		171_37	202951.6	518189.9
	170_164	203557.7	515722.8		171_38	202648.6	517963.7
	170_165	203682.0	515580.6		171_39	202354.0	517746.6
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	170_169	202663.3	514746.0		171_43	201572.8	517374.8
Į	170_170	202197.9	514503.9		171_44	201391.1	517314.2
					171_45	201212.3	517135.5
					171_46	201157.3	517055.9
					171_47 171_48	201142.3	516943.2
					171_48	201120.2	516800.4
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				-	471 54	200337.1	516434.8

515935.5

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518110.0

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519433.2

519640.9

171_51 | 200849.3 | 516210.3

171_52 | 200734.6 | 515991.0

171_53 | 200647.6 | 515885.0

171_54 | 200461.2 | 515680.5

Station	Northing	Easting
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5+22	202683.6	514700.2
10+54	203183.3	514885.2
14+65	203516.5	515125.8
17+80	203720.1	515366.4
20+13	203733.1	515598.1
22+34	203587.6	515764.6
23+99	203433.6	515827.5
25+59	203293.0	515902.0
27+85	203164.8	516088.2
30+26	203164.8	516328.8
32+89	203233.8	516583.3
37+69	203428.7	517021.9
46+62	203812.6	517827.9
48+75	203975.5	517965.3
51+54	204243.7	518042.9
54+79	204568.7	518045.9
56+06	204690.4	518012.4
57+43	204762.3	517895.3
59+90	204915.2	517701.0
62+22	205110.6	517576.7
63+42	205213.5	517515.1
65+34	205381.5	517422.7
68+39	205641.1	517262.2
69+38	205735.1	517230.9
70+71	205854.1	517171.4
73+83	206163.1	517217.2
78+99	206644.2	517402.3
83+81 85+64	207051.4	517661.4 517827.9
87+31	207125.4	517827.5
90+24	206866.3	517354.3
100+45	206126.0	518864.3
106+38	205663.3	519234.5
110+28	205325.9	519430.5
114+91	205034.1	519789.7
121+08	204834.4	520374.3
126+37	204771.3	520899.4
130+64	204756.5	521325.8
145+49	204867.5	522806.4
149+12	204960.1	523158.1
152+57	205237.7	523361.7
166+44	206200.1	524361.1
177+45	207014.4	525101.4
181+55	207347.5	525342.0
183+96	207440.1	525564.1
186+95	207588.1	525823.2
194+48	207939.8	526489.4
197+77	208143.4	526748.5
200+65	208217.4	527026.1
203+40	208402.5	527229.7
207+91	208828.1	527377.8
211+44	209179.8	527414.8
214+96	209531.4	527414.8
217+47	209735.0	527266.7
220+46	210012.6	527155.7
223+80	210290.2	526970.6
005.70	210364.3	526785.5
225+79	210304.3	320783.3
	210938.0	526026.7
225+79 235+31 241+24		

242+97 | 211360.0 | 525386.9

245+39 | 211507.3 | 525194.8

248+57 | 211737.3 | 524976.0

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BRIGANTINE CHANNEL CENTERLINE COORDINATES			ST. GEORGE'S THOROFARE CENTERLINE COORDINATES			
Station	Northing	Easting		Station	Northing	Easting
249+82	211844.9	524911.9		0+00	200498.2	515646.8
252+03	212030.9	524798.3		2+78	200685.4	515852.3
253+98	212219.7	524739.1		4+22	200776.5	515963.3
255+38	212354.0	524699.9		6+72	200892.7	516185.2
256+41	212450.4	524662.0		9+40	201036.6	516411.5
258+34	212640.0	524693.1		11+82	201130.2	516634.4
259+79	212775.5	524745.9		13+43	201169.3	516790.5
263+36	213066.3	524953.3		14+90	201191.8	516936.1
266+11	213269.9	525138.4		15+92	201205.2	517037.4
272+85	213510.5	525767.6		16+73	201250.8	517103.3
277+53	213658.6	526211.8		19+09	201418.1	517270.5
282+93	213714.1	526748.5		20+89	201589.1	517327.5
289+08	213936.2	527322.3		23+75	201858.4	517423.3
297+28	214324.9	528044.1		25+19	201983.7	517493.1
301+25	214509.9	528395.7		26+83	202129.6	517568.3
306+75	214695.0	528913.9		29+68	202380.9	517704.3
310+31	214861.6	529228.5		33+38	202678.3	517923.5
312+11	214943.5	529388.7		37+17	202981.7	518150.0
313+99	215031.6	529555.1		40+48	203245.5	518350.4
315+94	215120.7	529728.2		43+67	203399.4	518630.5
317+83	215201.7	529899.0		47+42	203576.6	518960.7
318+94	215231.7	530005.8		49+20	203656.2	519119.1
			-	50+87	203742.1	519263.2
				52+72	203794.9	519440.4
				54+72	203794.0	519640.0
				58+77	203810.1	520045.4
				62+39	203823.6	520406.9

	ST. GEORGE'S THOROFARE CENTERLINE COORDINATES				
	Station	Northing	Easting		
	0+00	200498.2	515646.8		
	2+78	200685.4	515852.3		
	4+22	200776.5	515963.3		
	6+72	200892.7	516185.2		
	9+40	201036.6	516411.5		
	11+82	201130.2	516634.4		
	13+43	201169.3	516790.5		
	14+90	201191.8	516936.1		
	15+92	201205.2	517037.4		
	16+73	201250.8	517103.3		
	19+09	201418.1	517270.5		
	20+89	201589.1	517327.5		
	23+75	201858.4	517423.3		
	25+19	201983.7	517493.1		
	26+83	202129.6	517568.3		
	29+68	202380.9	517704.3		
	33+38	202678.3	517923.5		
	37+17	202981.7	518150.0		
	40+48	203245.5	518350.4		
	43+67	203399.4	518630.5		
	47+42	203576.6	518960.7		
	49+20	203656.2	519119.1		
	50+87	203742.1	519263.2		
	52+72	203794.9	519440.4		
	54+72	203794.0	519640.0		
	58+77	203810.1	520045.4		
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DREDGE VOLUMES BASED ON NOV. 2019 SURVEY DATA

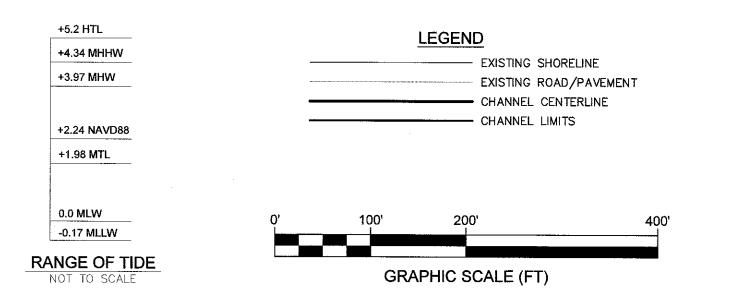
BRIGANTINE CHANNEL					
DEPTH	STA. 0+00 TO 318+94				
TEMPLATE (-5 MLW)	25,897 CY				
OVERDEPTH (-6 MLW)	12,868 CY				
TOTAL VOLUME	38,765 CY				

DREDGE VOLUMES BASED ON NOV. 2019 SURVEY DATA

ST. GEORGE'S THOROFARE			
DEPTH	STA. 0+00 TO 62+39		
TEMPLATE (-10 MLW)	35,607 CY		
OVERDEPTH (-11 MLW)	16,586 CY		
TOTAL VOLUME	52,193 CY		

1. VERTICAL DATUM IS IN REFERENCE TO MEAN LOW WATER (MLW). MLW DATUMS FOR BRIGANTINE CHANNEL AND ST. GEORGE'S THOROFARE ARE 1.92 FEET AND 2.22 FEET BELOW THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), RESPECTIVELY. INFORMATION OBTAINED FROM NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION (NOAA)

- VDATUM DATUM TRANSFORMATION PROGRAM. 2. COORDINATES ARE EXPRESSED IN FEET AND REFER TO THE NEW JERSEY STATE PLANE GRID COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983.
- 3. EXISTING SHORELINE & DOCK LOCATIONS BASED ON AERIAL IMAGERY AND SHOULD BE CONSIDERED
- 4. BATHYMETRIC DATA IS EXPRESSED IN FEET BELOW MLW & WAS COLLECTED ON NOVEMBER 9, 2019 FOR BRIGANTINE CHANNEL & ST. GEORGE'S THOROFARE BY GAHAGAN & BRYANT ASSOCIATES, INC.
- 5. THE INFORMATION DEPICTED ON THIS PLAN REPRESENTS THE RESULTS OF SURVEY CONDUCTED ON THE ABOVE DATES AND CAN BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- 6. AERIAL IMAGERY FROM NEW JERSEY STATE GEOGRAPHIC INFORMATION NETWORK, DATED 2015.
- 7. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE WORKING ADJACENT TO EXISTING BULKHEADS AND OTHER STRUCTURES TO AVOID ANY DAMAGE. WHERE NAVIGATIONAL TEMPLATE SIDE SLOPES INTERSECT EXISTING STRUCTURES, SIDE SLOPES SHALL BE ADJUSTED ACCORDINGLY TO AVOID IMPACTS, TO BE APPROVED BY THE RESIDENT ENGINEER.



APPR.			STATE OF NEW JERSEY				
B		 NJDOT OFFICE OF MARITIME RESOURCES					
DESCRIPTION		TITLE: MAINTENANCE DREDGING AND CHANNEL IMPROVEMENTS FOR BRIGANTINE CHANNEL AND ST. GEORGE'S THOROFARE CHANNEL ARRANGEMENT LAYOUT					
		BRIGANTIN	INE CHANNEL, ST. GEORGE'S THOROFARE INE CITY, ATLANTIC CITY, AND PLEASANTVILLE CITY C COUNTY, NEW JERSEY				
Ü		DRAWN BY: CEM	DEWBERRY ENGINEERS INC.	PROJECT NO.			
DATE		CHECKED BY: ST	NO. 24GA28047600				
REV.		SCALE: AS SHOWN	JAMES D. HEEREN NEW JERSEY PROFESSIONAL ENGINEER	SHEET 17 OF 17			
퓝		DATE: 05/12/20	NO. 24GE04031000	DWG. NO. DRG-17			