



**US Army Corps
of Engineers®**
New England District
696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Comment Period Begins: June 5, 2018

Comment Period Ends: July 5, 2018

File Number: NAE-2018-00390

In Reply Refer To: Joshua Helms

Phone: (978) 318-8211

E-mail: Joshua.m.helms@usace.army.mil

The District Engineer has received a permit application to perform work and place dredged or fill material below the high tide line of waters of the United States from the Town of Fairfield, 725 Old Post Road, Fairfield, Connecticut. This work is proposed in Long Island Sound at the following locations:

Site Name	Address	Lat (°N)	Long (°E)	Area (SF)
Southport Beach	1505 Pequot Avenue, Fairfield, CT	41.12526	-73.29748	23,400
South Pine Creek Beach	Terminus of South Pine Creek Road, Fairfield, CT	41.12105	-73.27088	6,500
Penfield Beach	323 Fairfield Beach Road, Fairfield, CT	41.13460	-73.24109	57,700
Sasco Beach	1401 Sasco Hill Road, Fairfield, CT	41.12525	-73.27852	53,700
Jennings Beach	880 South Benson Road, Fairfield, CT	41.14239	-73.23544	161,800

The work involves the placement of excavated and possibly nourishment material below the high tide line of Long Island sound in order to construct engineered beaches at the above locations in order to retain the recreational beach on site in response to on-going erosion and storm resiliency. Work includes the grading and scraping of the beach from the mean low water mark to the high tide line in order to maintain the designed beach profile at each location. Grading will be performed using a backhoe loader and bulldozer as required. In the event that additional material is required to maintain the beaches, the Town is requesting a 10 year permit which would allow the Town to nourish the beaches in order to maintain the beach profile. The town is proposing the placement of 500 cubic yards of sandy material at Southport Beach, 500 CY at South Pine Creek Beach, 700 CY at Penfield Beach, 500 CY at Sasco Beach, and 1,300 CY at Jennings Beach. Beach profiles will be monitored each year to assess the need for nourishment at each location.

The work is shown on the attached plan sets entitled:

“SOUTHPORT BEACH ENGINEERED BEACH DESIGN PEQUOT AVE FAIRFIELD, CT,” on five sheets, and dated “3/22/2017.”

“SOUTH PINE CREEK BEACH ENGINEERED BEACH DESIGN SOUTH PINE CREEK ROAD FAIRFIELD, CT,” on four sheets, and dated “3/22/2017.”

“PENFIELD BEACH ENGINEERED BEACH DESIGN FAIRFIELD BEACH ROAD FAIRFIELD, CT,” on five sheets, and dated “4/12/2017.”

“SASCO BEACH ENGINEERED BEACH DESIGN SASCO POINT FAIRFIELD, CT” on five sheets, and dated “3/22/2017.”

“JENNINGS BEACH ENGINEERED BEACH DESIGN SOUTH BENSON ROAD FAIRFIELD, CT,” on five sheets, and dated “3/22/2017.”

The applicant stated the proposed project is the least environmentally damage alternative to meet project goals. A number of beach profiles and grain size distributions were analyzed in order to determine the optimal profile design for each site. Variations in the beach profile shape, backshore/berm and dune geometry, sand grain size distribution, and required volume of fill were investigated. The chosen profile for each site was the profile that behaved best under the storm events while minimizing the amount of material necessary to complete the project. The gradation of the proposed import material was designed to match existing beach material as to not significantly alter the site.

Other alternatives to retain the beach such as hard erosion control structures including but not limited to offshore breakwaters, nearshore sills and seawalls were deemed inappropriate as they would significantly alter the character of the site in which the primary purpose is public recreation such as swimming and sun-bathing. While hard structures such as seawalls can be utilized to protect the upland, they often lead to erosion of the beach in front of them and reduce the recreational area available to the public. As such these harden structures were not considered. The “no action” alternative was not considered as it would leave the beaches vulnerable to wind and wave action during storm events. The applicant believes that the proposed re-grading and minor nourishment is the least environmentally damage and practicable solution to: maintain the beaches, reduce erosion, maintain existing public recreation activities, and provide protection to infrastructure by reducing flood and wave impacts on the upland.

The applicant has proposed to sequence the project to take place in the Spring of each year to limit possible adverse impacts to aquatic resources and migratory birds. The following special condition will be incorporated in to the permit:

“No work shall be completed from April 1 to September 1 of each year.”

Additionally, the applicant has proposed to perform the work in the dry at low tides to minimize turbidity impacts.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- Section 404 of the Clean Water Act
- Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land

use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (Corps), 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. The Corps will consider all comments received 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.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will impact 6.96 acres of Essential Fish Habitat (*EFH*). This habitat consists of sand and cobble substrate. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation

Officer(s).

ENDANGERED SPECIES CONSULTATION

The Corps has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the NMFS and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- Permit, license or assent from State.
- Permit from local wetland agency or conservation commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

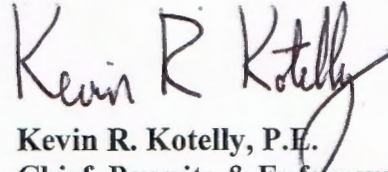
In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Josh Helms at (978) 318-8211, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

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FILE NO. NAE-2018-00390

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



**Kevin R. Kotelly, P.E.
Chief, Permits & Enforcement Branch
Regulatory Division**

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____
PHONE: _____

SOUTHPORT BEACH ENGINEERED BEACH DESIGN PEQUOT AVENUE FAIRFIELD, CT



611 Access Road Stratford, CT 06615
Tel: 203-377-0663 www.racecoastal.com

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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SOUTHPORT BEACH
ENGINEERED BEACH DESIGN
PEQUOT AVENUE
FAIRFIELD, CT

DRAWING:

TITLE SHEET, DRAWING LIST &
VICINITY MAP

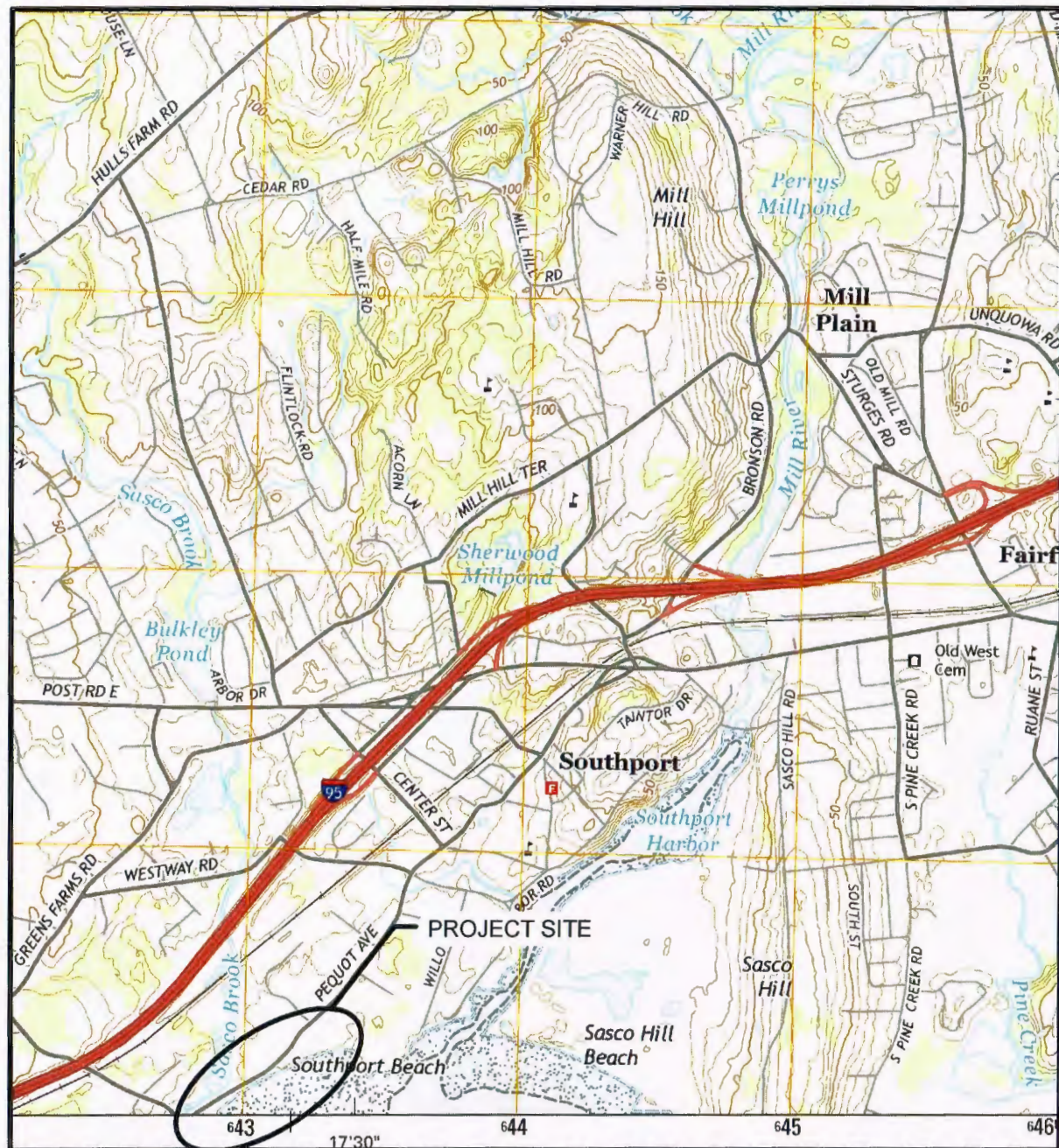
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: SOUTHPORT.DWG 1 of 05



VICINITY MAP

LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
1	TITLE SHEET, DRAWING LIST & VICINITY MAP
2	PROJECT NOTES
3	SITE PLAN
4	GRADING PLAN
5	SECTIONS

PROJECT NOTES

DESCRIPTION OF WORK:

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL LABOR, SUPERVISION, EQUIPMENT, APPLIANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

- REGRADE BEACH TO ENGINEERED SLOPES AND SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK NEEDED FOR A COMPLETE AND PROPER INSTALLATION. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS.

GENERAL NOTES:

- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- TOPOGRAPHY TAKEN IN PART FROM DRAWING TITLED "TOPOGRAPHIC SURVEY," DATED JULY 12, 2016 PREPARED BY GESICK & ASSOCIATES, P.C.
- SUPPLEMENTAL SITE INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON MAY 25, 2016.
- HYDROGRAPHIC SURVEY DATA OBTAINED BY RACE COASTAL ENGINEERING, LLC ON JUNE 16, 2016 AND ONLY REPRESENTS THE SITE CONDITIONS AT THAT TIME.
- WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET LINES AND GRADES DEPICTED WITHIN THESE CONTRACT DRAWINGS.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
- EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND FABRICATION OR ORDERING OF ANY CONSTRUCTION MATERIALS.
- SECTIONS AND DETAILS APPLY TO SAME AND SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS.
- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL USE EQUIPMENT ADEQUATE IN SIZE, CAPACITY, AND NUMBERS, AND MAINTAINED TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL PROTECT WETLANDS AND COASTAL RESOURCES FROM INTRUSION BY TURBID WATERS, CONSTRUCTION DEBRIS, CONSTRUCTION EQUIPMENT, OR PERSONNEL DURING WORK ACTIVITIES.
- THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT SUM THE COST FOR ALL NECESSARY PERMITS, LICENSES, CERTIFICATES OF INSPECTION, AND ALL LEGAL FEES IN CONNECTION WITH THE WORK OF THIS CONTRACT. THE OWNER IS TO OBTAIN NECESSARY REGULATORY PERMITS REQUIRED FOR THE WORK IN REGULATED AREAS. THE CONTRACTOR SHALL REQUEST COPIES OF THOSE REGULATORY PERMITS AND MAKE PROVISION IN THIS WORK AND IN THE COST OF THE WORK FOR APPLICABLE CONDITIONS OF THOSE PERMITS. FAILURE TO CONSIDER ANY CONDITION OF THE REGULATORY PERMITS AS A PART OF THE BID SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO APPLY THOSE CONDITIONS TO HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT FROM DAMAGE UTILITIES, UTILITY STRUCTURES, FUEL LINES & TANKS OR ANY UNKNOWN UTILITIES OR STRUCTURES PRIOR TO ANY WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP A CLEAN & TIDY WORK SITE. THE SITE SHALL BE LEFT NEAT & CLEAN AT THE END OF EACH WORK DAY
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE LANDSCAPING, INCLUDING BUT NOT LIMITED TO LAWN, TREES, PLANTINGS, ETC. DAMAGED BY THE CONTRACTOR DURING THE COURSE OF THE PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY DAMAGED PROPERTY CAUSED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT, CURBING, FENCING, ETC. DAMAGED ITEMS SHALL BE REPAIRED IN KIND.

BEACH NOURISHMENT:

- MATERIAL SHALL BE DRY BEACH SAND FURNISHED BY THE CONTRACTOR.
- MATERIAL SHALL BE PROCESSED OR UNPROCESSED BANK RUN SAND OR BEACH SAND FREE OF ROOTS, ORGANIC MATTER, FROZEN LUMPS, TRASH OR OTHER DEBRIS.
- SAND SHALL MATCH THE COLOR AT THE SITE.
- ALL IMPORTED SAND SHALL MEET THE FOLLOWING GRADATION (ASTM D 422):

SPECIFICATIONS FOR DRY BEACH SAND NOURISHMENT	
U.S. STANDARD (SIEVE SIZE)	PERCENT PASSING BY (WEIGHT)
3/8"	100
1/4"	100-95
#4	95-90
#10	90-75
#40	75-40
#100	40-0
#200	0

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE A SAND SOURCE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM MATERIAL TESTING TO ENSURE THAT MATERIAL SOURCE MATCHES THE COLOR, GRAIN SIZE, AND DISTRIBUTION OF THE SAND ON THE COASTAL BEACH.
- THE SOIL PARTICLES SHALL BE ANGULAR TO SUB-ROUNDED AND CLASSIFIED SW.
- THE MINIMUM SPECIFIC GRAVITY OF SOIL PARTIALS SHALL BE 2.65.
- THE CONTRACTOR SHALL SUBMIT LABORATORY CERTIFICATION FOR EACH 1,000 C.Y. DELIVERED OR FOR EACH CHANGE OF MATERIAL SOURCE THAT CERTIFIES THE SOIL PROPOSED FOR BEACH FILL SATISFIES THE MINIM STATED HEREIN INCLUDING GRADATION CURVES AND COMPUTATION SHEETS.
- SAND SHALL BE FREE OF CONTAMINANTS: PCB'S, DIOXINS, HYDROCARBONS, OR OTHER TOXIC CHEMICALS & CONTRACTOR SHALL PROVIDE CERTIFICATION.
- CONTRACTOR SHALL PROVIDE SAMPLE AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. ANY VARIATION IN THE SPECIFIED GRADATION MAY REQUIRE PLACEMENT OF ADDITIONAL FILL VOLUME BASED ON ENGINEERING ANALYSIS.

SELECTIVE DEMOLITION

- DEMOLISHED MATERIAL, DEEMED UNACCEPTABLE FOR REUSE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOBSITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THE BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS FOUND ONSITE.

EROSION & SEDIMENTATION CONTROLS

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM.
- PRIOR TO MOBILIZATION, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED.
- WHENEVER POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", MAY 2002.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY AND REQUIRED.
- THE GENERAL CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE (100' MIN.) ON SITE FOR EMERGENCY PURPOSES.
- ALL DISTURBED LAWN AREAS OUT OF THE MAJOR CONSTRUCTION AREA THAT ARE TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER, SEED THESE AREAS WITH PERENNIAL RYE GRASS AT THE RATE OF 40 LBS, PER ACRE (1 LB PER 1,000 SQ. FT.).
- THE GENERAL CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THE RESPONSIBILITY INCLUDES SUPERVISING THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE CONSERVATION STAFF PERSON OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

EXCAVATION AND BACKFILLING

- THE CONTRACTOR SHALL EXCAVATE, BACKFILL, AND GRADE THE SITE TO THE ELEVATIONS AND LIMITS SHOWN AND NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION.
- GRADE THE AREAS ADJACENT TO BUILDINGS TO ACHIEVE DRAINAGE AWAY FROM THE STRUCTURES AND PREVENT PONDING.



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Tel: 203-377-0663 www.racecoastal.com

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PREPARED FOR:

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TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SOUTHPORT BEACH
ENGINEERED BEACH DESIGN
PEQUOT AVENUE
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #:	201644	Date:	02/28/2018
Designed By:	JAP	Scale:	As Noted
Drawn By:	JAP	Revision #:	0
Checked By:	ADS	Drawing No.:	
CAD File:	SOUTHPORT.DWG		

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SITE PLAN

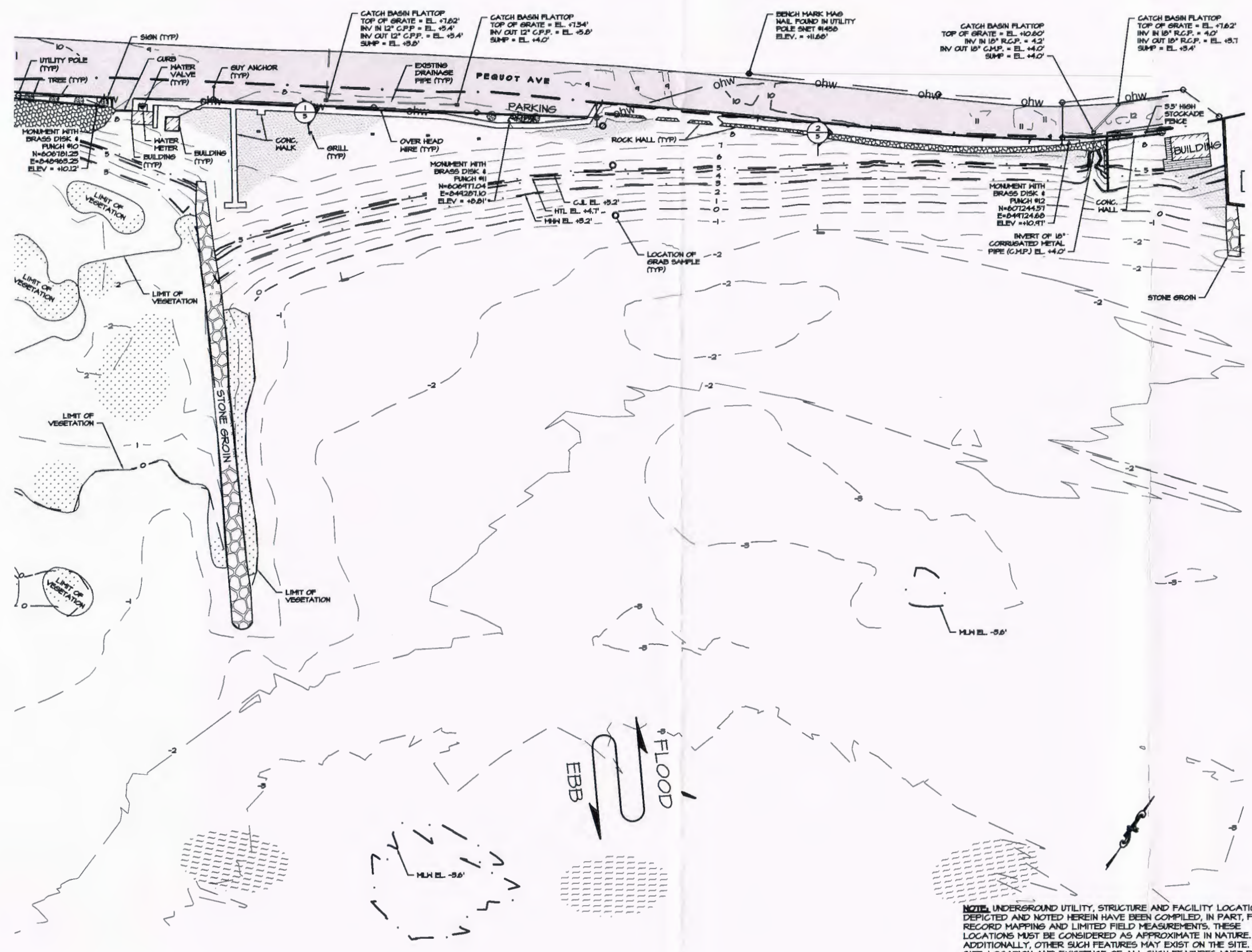
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: SOUTHPORT.DWG **3 of 05**



NOTE: UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREIN HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND LIMITED FIELD MEASUREMENTS. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-422-4455.

SITE PLAN
SCALE: 1" = 100'-0"

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GRADING PLAN

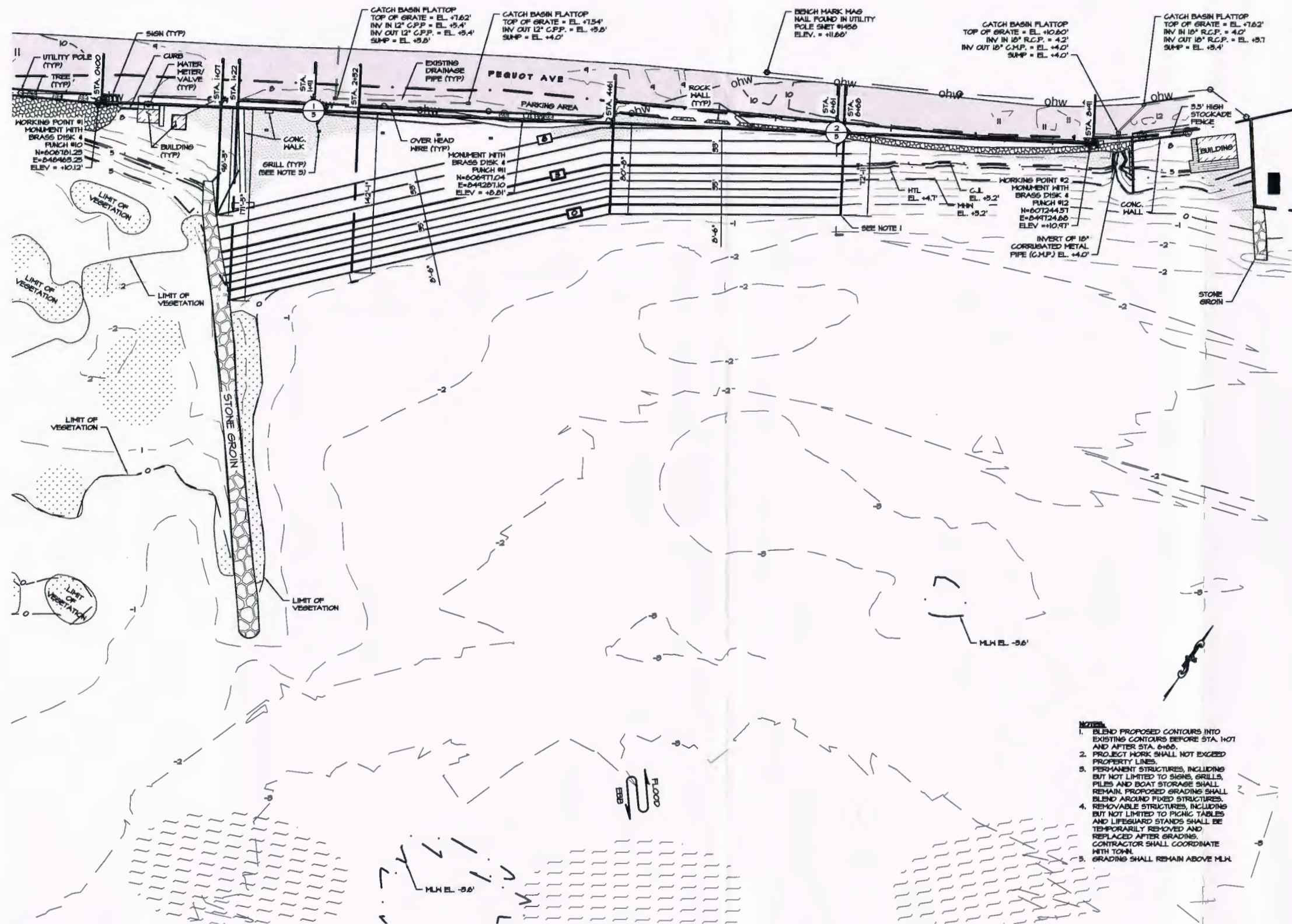
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GRADING PLAN

SCALE: 1" = 100'-0"

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PEQUOT AVENUE
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DRAWING:

SECTIONS

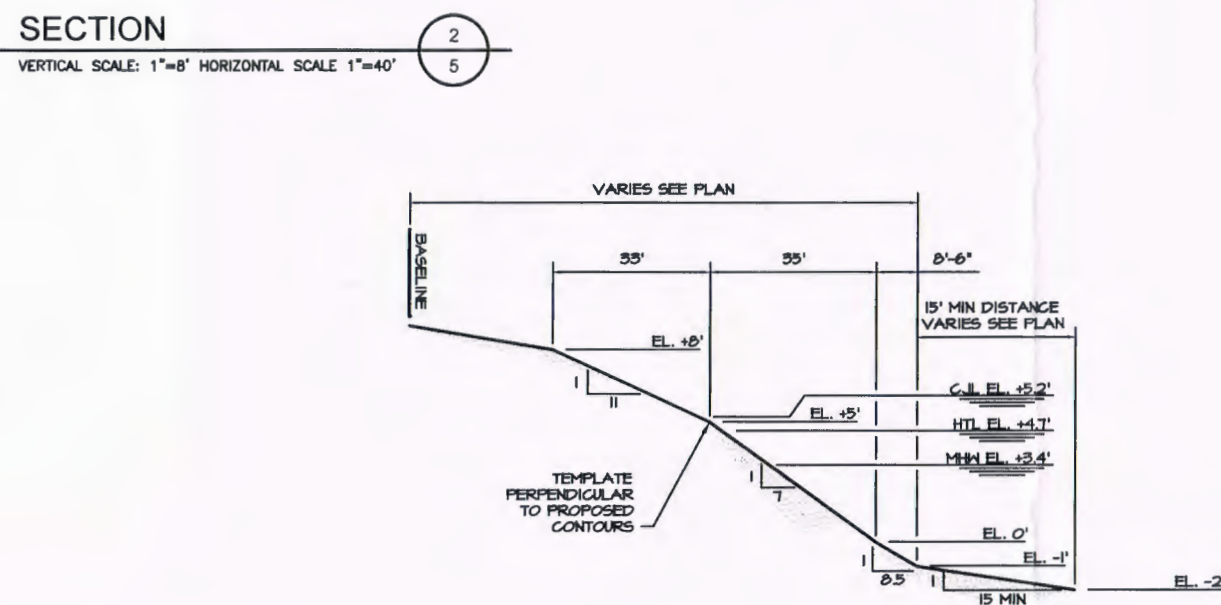
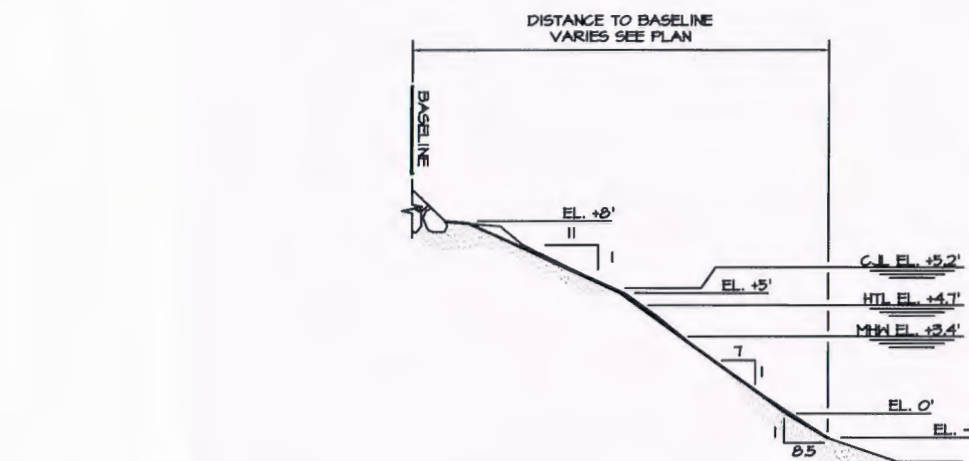
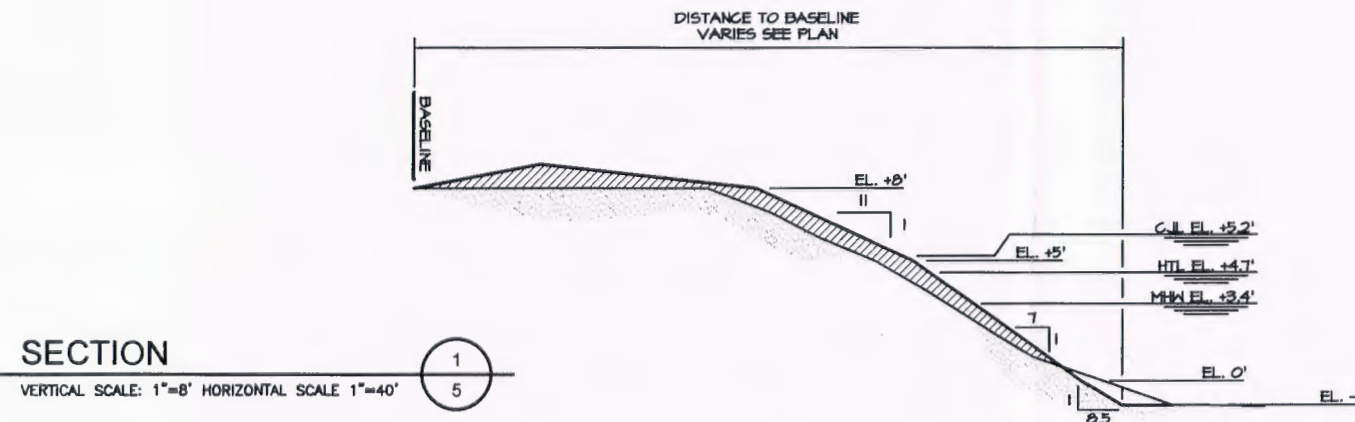
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CAD File: SOUTHPORT.DWG 5 of 05



NOTE

1. PROFILE WEST OF JETTY TO BE MAINTAINED.
2. PROFILE EAST OF JETTY (STA. 1401 TO STA. 6+68) TO BE GRADED TO MEET TEMPLATE. EXCESS MATERIAL TO BE STOCKPILED ON SITE. TEMPLATE PRODUCES 400 C.Y. ±.
3. PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADING SHALL BLEND AROUND FIXED STRUCTURES.
4. REMOVABLE STRUCTURES, INCLUDING BUT NOT LIMITED TO PICNIC TABLES AND LIFEGUARD STANDS SHALL BE TEMPORARILY REMOVED AND REPLACED AFTER GRADING. CONTRACTOR SHALL COORDINATE WITH TOWN.

SOUTH PINE CREEK BEACH ENGINEERED BEACH DESIGN SOUTH PINE CREEK ROAD FAIRFIELD, CT



COASTAL ENGINEERING

611 Access Road Stratford, CT 06615
Tel: 203-377-0663 www.racecoastal.com

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FOR REGULATORY REVIEW ONLY
NOT FOR CONSTRUCTION

PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SOUTH PINE CREEK BEACH
ENGINEERED BEACH DESIGN
SOUTH PINE CREEK ROAD
FAIRFIELD, CT

DRAWING:

TITLE SHEET, DRAWING LIST &
VICINITY MAP

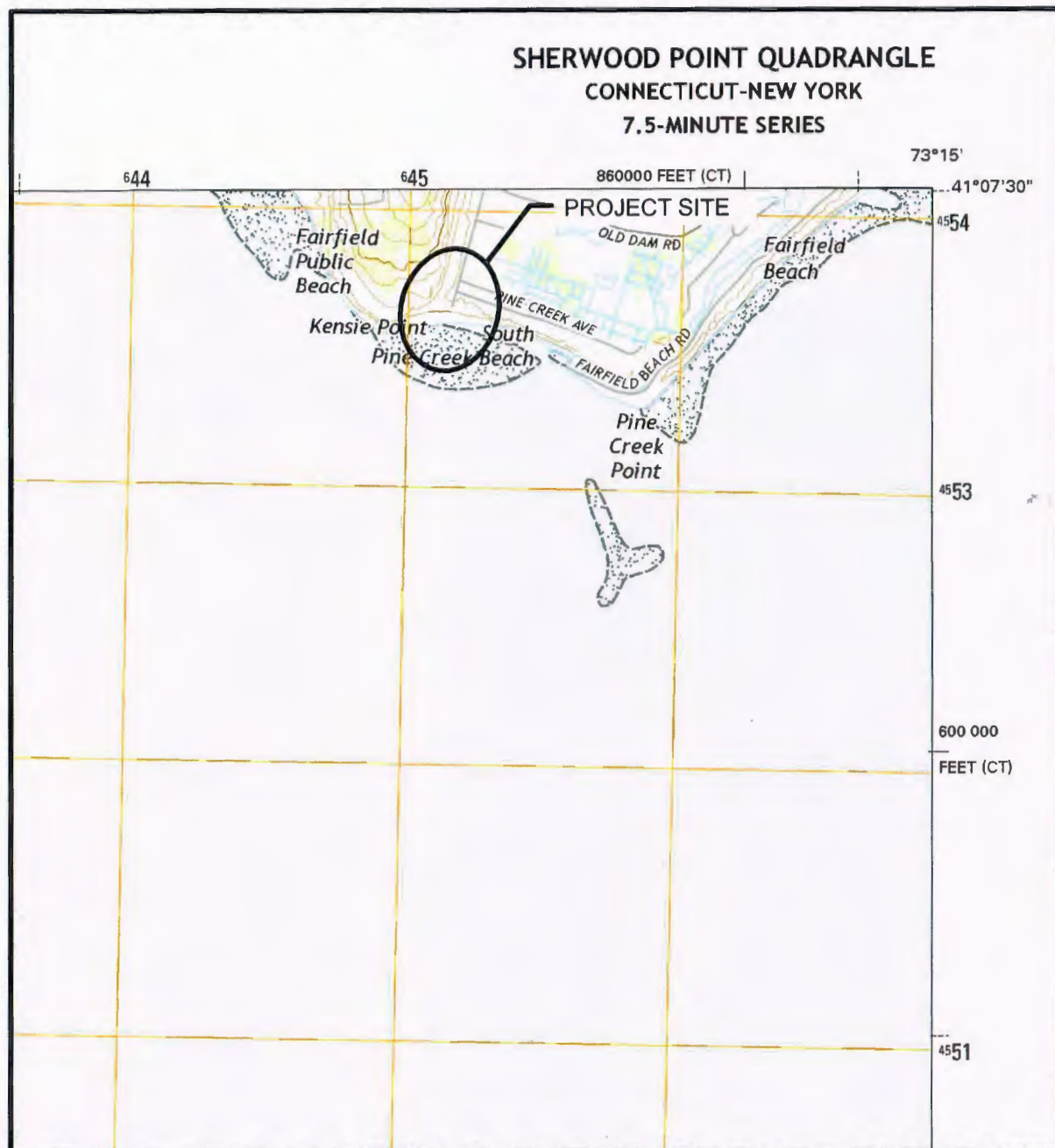
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: SPC.DWG 1 of 04



VICINITY MAP

LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
1	TITLE SHEET, DRAWING LIST & VICINITY MAP
2	PROJECT NOTES
3	SITE PLAN
4	SECTION

PROJECT NOTES

DESCRIPTION OF WORK:

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL LABOR, SUPERVISION, EQUIPMENT, APPLIANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

- REGRADE BEACH TO ENGINEERED SLOPES AND SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK NEEDED FOR A COMPLETE AND PROPER INSTALLATION. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS.

GENERAL NOTES:

- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- TOPOGRAPHY TAKEN IN PART FROM DRAWING TITLED "TOPOGRAPHIC SURVEY," DATED JULY 12, 2016 PREPARED BY GESICK & ASSOCIATES, P.C.
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- HYDROGRAPHIC SURVEY DATA OBTAINED BY RACE COASTAL ENGINEERING, LLC ON JUNE 16, 2016 AND ONLY REPRESENTS THE SITE CONDITIONS AT THAT TIME.
- WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET LINES AND GRADES DEPICTED WITHIN THESE CONTRACT DRAWINGS.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
- EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND FABRICATION OR ORDERING OF ANY CONSTRUCTION MATERIALS.
- SECTIONS AND DETAILS APPLY TO SAME AND SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
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- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
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- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP A CLEAN & TIDY WORK SITE. THE SITE SHALL BE LEFT NEAT & CLEAN AT THE END OF EACH WORK DAY
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BEACH NOURISHMENT:

- MATERIAL SHALL BE DRY BEACH SAND FURNISHED BY THE CONTRACTOR.
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- SAND SHALL MATCH THE COLOR AT THE SITE.
- ALL IMPORTED SAND SHALL MEET THE FOLLOWING GRADATION (ASTM D 422):

SPECIFICATIONS FOR DRY BEACH SAND NOURISHMENT	
U.S. STANDARD (SIEVE SIZE)	PERCENT PASSING BY (WEIGHT)
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#10	95-90
#40	90-25
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#200	0

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- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM MATERIAL TESTING TO ENSURE THAT MATERIAL SOURCE MATCHES THE COLOR, GRAIN SIZE, AND DISTRIBUTION OF THE SAND ON THE COASTAL BEACH.
- THE SOIL PARTICLES SHALL BE ANGULAR TO SUB-ROUNDED AND CLASSIFIED SW.
- THE MINIMUM SPECIFIC GRAVITY OF SOIL PARTIALS SHALL BE 2.65.
- THE CONTRACTOR SHALL SUBMIT LABORATORY CERTIFICATION FOR EACH 1,000 C.Y. DELIVERED OR FOR EACH CHANGE OF MATERIAL SOURCE THAT CERTIFIES THE SOIL PROPOSED FOR BEACH FILL SATISFIES THE MINIM STATED HEREIN INCLUDING GRADATION CURVES AND COMPUTATION SHEETS.
- SAND SHALL BE FREE OF CONTAMINANTS: PCB'S, DIOXINS, HYDROCARBONS, OR OTHER TOXIC CHEMICALS & CONTRACTOR SHALL PROVIDE CERTIFICATION.
- CONTRACTOR SHALL PROVIDE SAMPLE AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. ANY VARIATION IN THE SPECIFIED GRADATION MAY REQUIRE PLACEMENT OF ADDITIONAL FILL VOLUME BASED ON ENGINEERING ANALYSIS.

SELECTIVE DEMOLITION

- DEMOLISHED MATERIAL, DEEMED UNACCEPTABLE FOR REUSE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOBSITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THE BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS FOUND ONSITE.

EROSION & SEDIMENTATION CONTROLS

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM.
- PRIOR TO MOBILIZATION, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED.
- WHENEVER POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", MAY 2002.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY AND REQUIRED.
- THE GENERAL CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE (100' MIN.) ON SITE FOR EMERGENCY PURPOSES.
- ALL DISTURBED LAWN AREAS OUT OF THE MAJOR CONSTRUCTION AREA THAT ARE TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER, SEED THESE AREAS WITH PERENNIAL RYE GRASS AT THE RATE OF 40 LBS, PER ACRE (1 LB PER 1,000 SQ. FT.).
- THE GENERAL CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THE RESPONSIBILITY INCLUDES SUPERVISING THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE CONSERVATION STAFF PERSON OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

EXCAVATION AND BACKFILLING

- THE CONTRACTOR SHALL EXCAVATE, BACKFILL, AND GRADE THE SITE TO THE ELEVATIONS AND LIMITS SHOWN AND NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION.
- GRADE THE AREAS ADJACENT TO BUILDINGS TO ACHIEVE DRAINAGE AWAY FROM THE STRUCTURES AND PREVENT PONDING.



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TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SOUTH PINE CREEK BEACH
ENGINEERED BEACH DESIGN
SOUTH PINE CREEK ROAD
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #:	201644	Date:	02/28/2018
Designed By:	JAP	Scale:	As Noted
Drawn By:	JAP	Revision #:	0
Checked By:	ADS	Drawing No.:	
CAD File:	SPC.DWG		

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ENGINEERED BEACH DESIGN
SOUTH PINE CREEK ROAD
FAIRFIELD, CT

DRAWING:

SITE PLAN

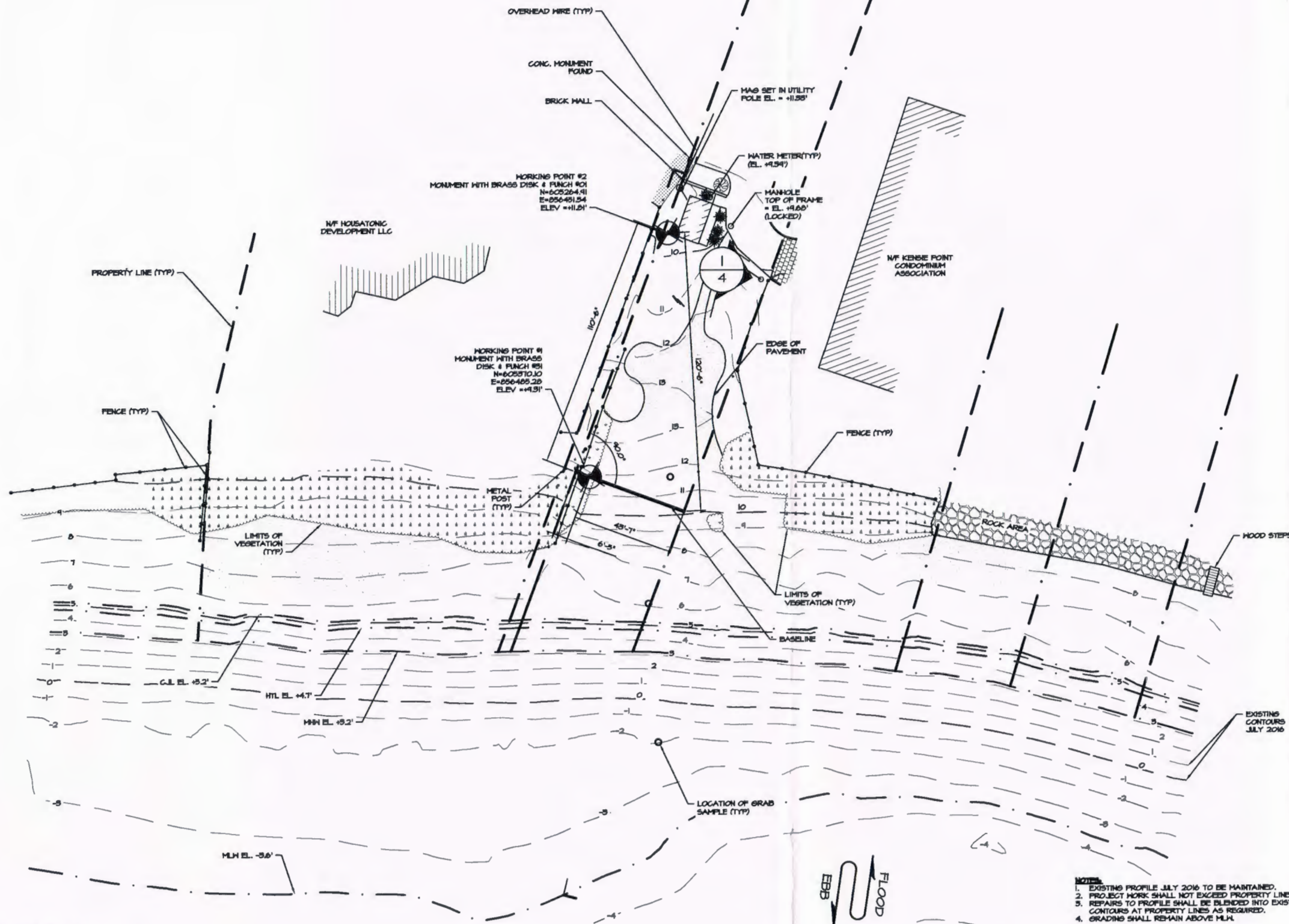
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: SPC.DWG 3 of 04



SITE PLAN
SCALE: 1" = 50'-0"

- NOTES:**
- EXISTING PROFILE JULY 2016 TO BE MAINTAINED.
 - PROJECT WORK SHALL NOT EXCEED PROPERTY LINES.
 - REPAIRS TO PROFILE SHALL BE BLENDED INTO EXISTING CONTOURS AT PROPERTY LINES AS REQUIRED.
 - GRADING SHALL REMAIN ABOVE M.H.

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SOUTH PINE CREEK ROAD
FAIRFIELD, CT

DRAWING:

SECTION

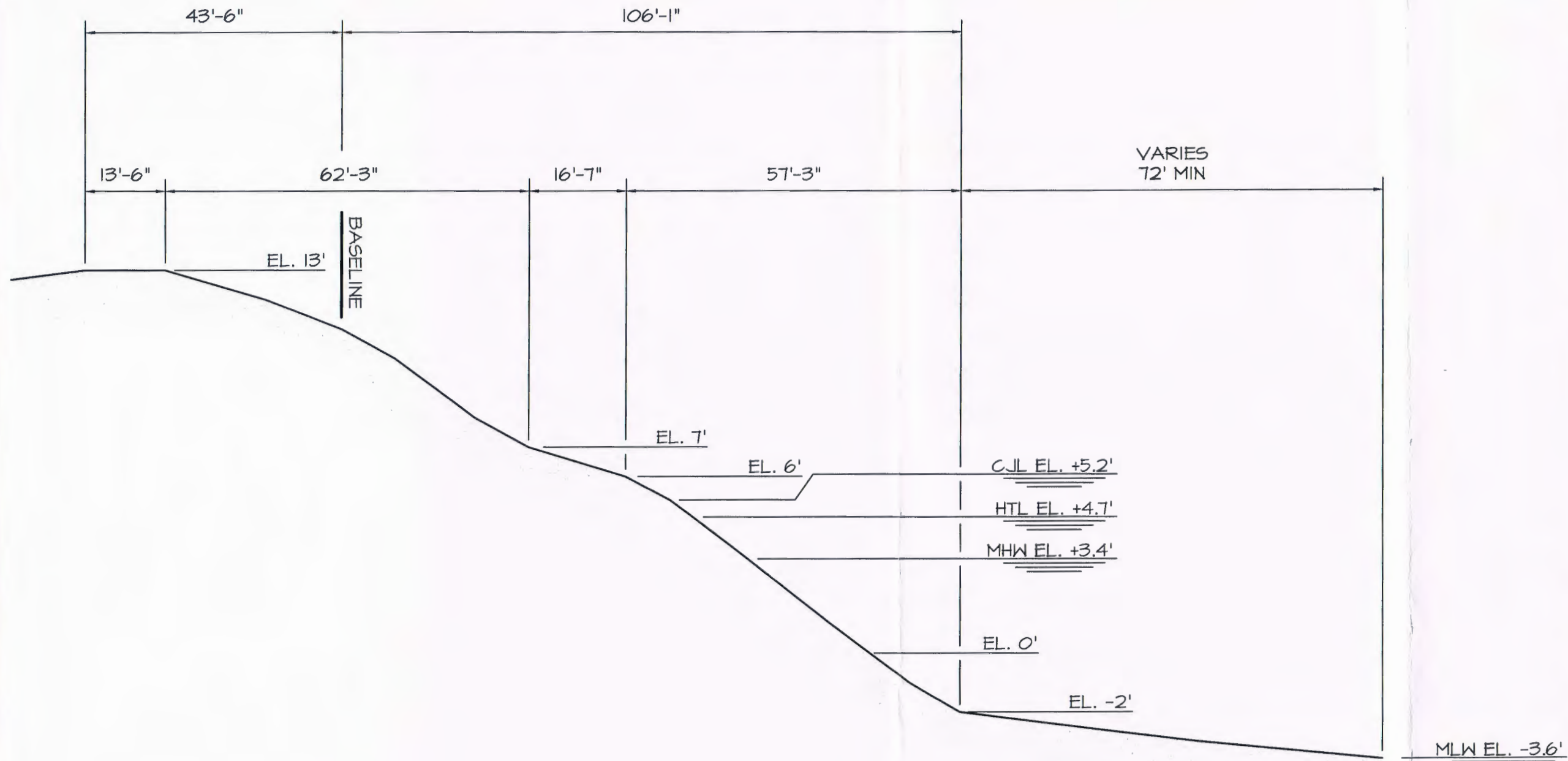
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Checked By: ADS Drawing No.:

CAD File: SPC.DWG 4 of 04



SECTION

VERTICAL SCALE: 1"=4' HORIZONTAL SCALE 1"=20'



NOTE:

I. EXISTING PROFILE TO BE MAINTAINED

PENFIELD BEACH ENGINEERED BEACH DESIGN FAIRFIELD BEACH ROAD FAIRFIELD, CT



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PREPARED FOR:

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TOWN OF FAIRFIELD
725 OLD POST RD
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PENFIELD BEACH
ENGINEERED BEACH DESIGN
FAIRFIELD BEACH ROAD
FAIRFIELD, CT

DRAWING:

TITLE SHEET, DRAWING LIST &
VICINITY MAP

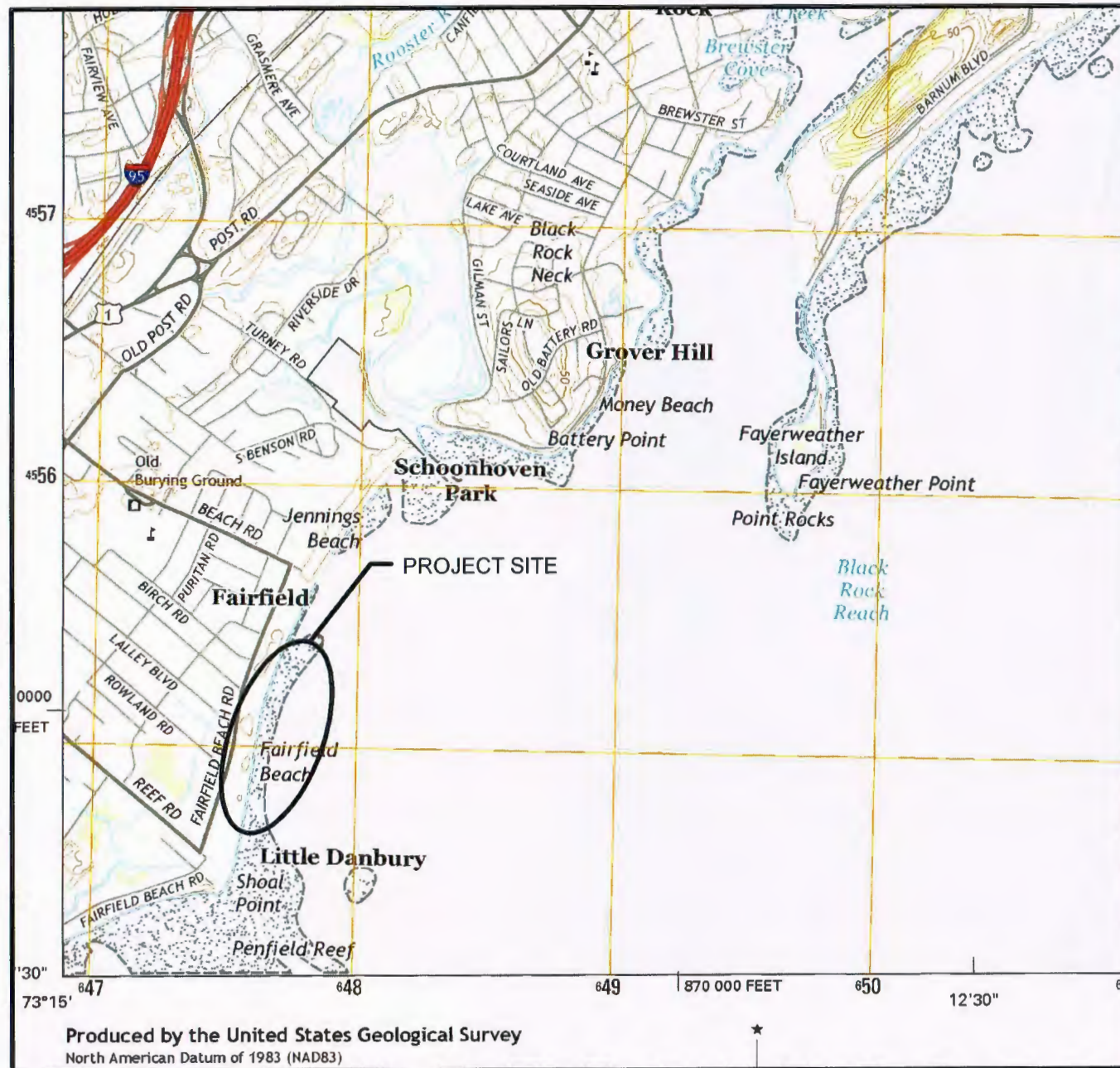
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: PENFIELD20110401.DWG 1 of 05



LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
1	TITLE SHEET, DRAWING LIST & VICINITY MAP
2	PROJECT NOTES
3	SITE PLAN
4	GRADING PLAN
5	SECTIONS

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EXCAVATION AND BACKFILLING

- THE CONTRACTOR SHALL EXCAVATE, BACKFILL, AND GRADE THE SITE TO THE ELEVATIONS AND LIMITS SHOWN AND NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION.
- GRADE THE AREAS ADJACENT TO BUILDINGS TO ACHIEVE DRAINAGE AWAY FROM THE STRUCTURES AND PREVENT PONDING.



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Tel: 203-377-0663 www.racecoastal.com

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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

PENFIELD BEACH
ENGINEERED BEACH DESIGN
FAIRFIELD BEACH ROAD
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #: 201644	Date: 02/28/2018
Designed By: JAP	Scale: As Noted
Drawn By: JAP	Revision #: 0
Checked By: ADS	Drawing No.:
CAD File: PENFIELD20164401.DWG	2 of 05

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TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

PENFIELD BEACH
ENGINEERED BEACH DESIGN
FAIRFIELD BEACH ROAD
FAIRFIELD, CT

DRAWING:

SITE PLAN

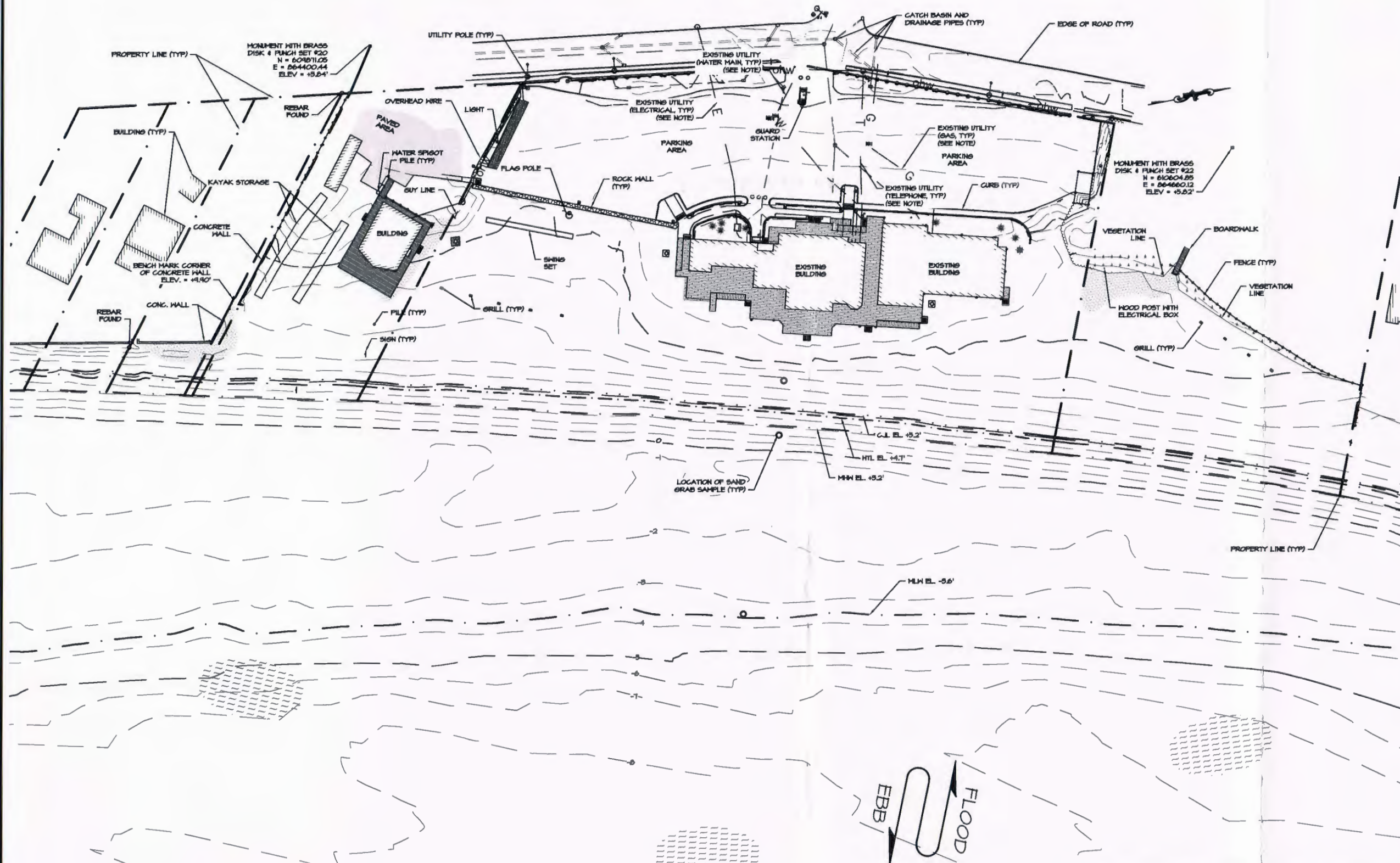
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: PENFIELD201644.DWG **3 of 05**



SITE PLAN
SCALE: 1" = 100'-0"

NOTE: UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREIN HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND LIMITED FIELD MEASUREMENTS. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-422-4455.

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CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

PENFIELD BEACH
ENGINEERED BEACH DESIGN
FAIRFIELD BEACH ROAD
FAIRFIELD, CT

DRAWING:

GRADING PLAN

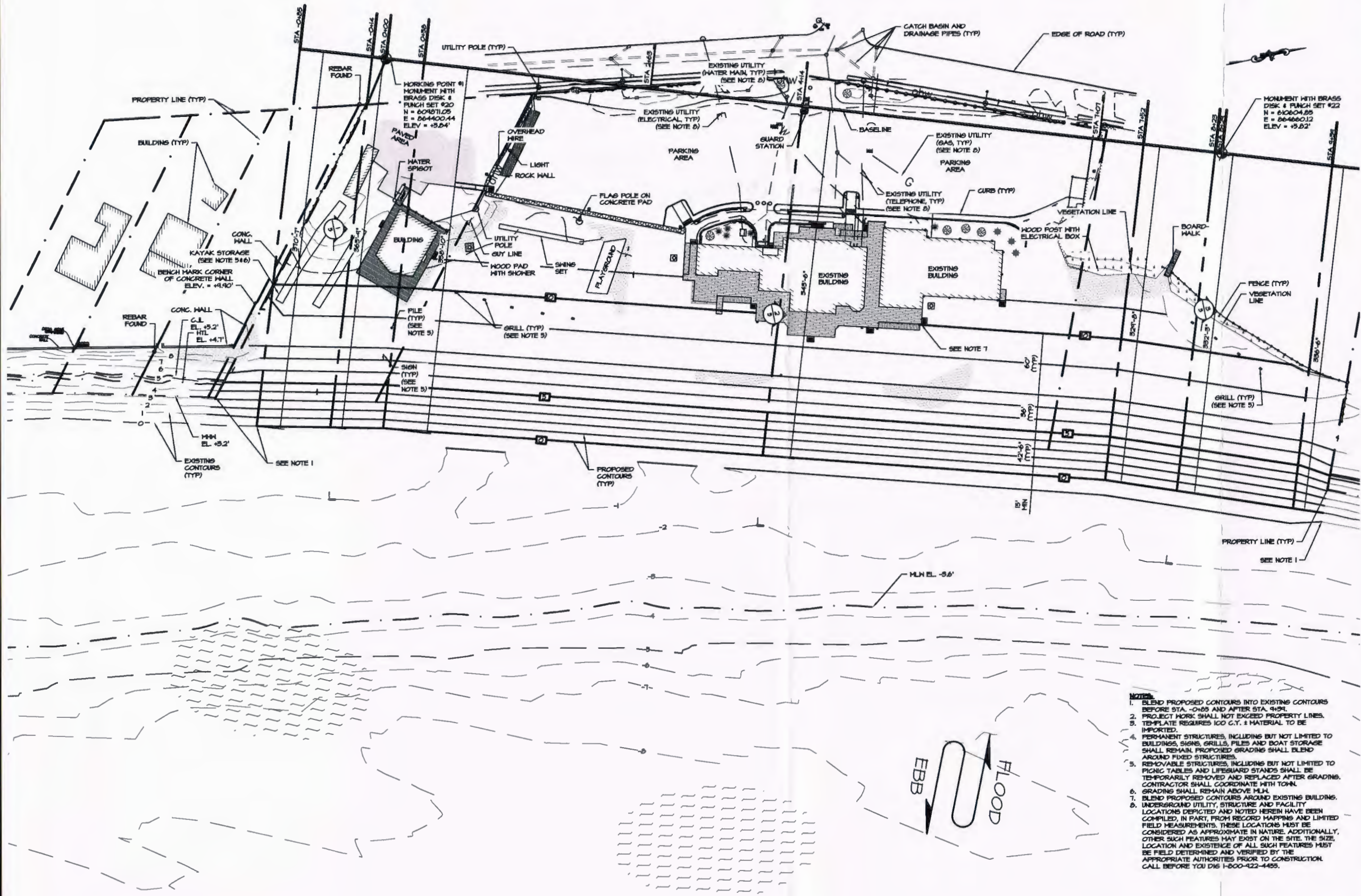
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: PENFIELD201644.DWG **4 of 05**



- NOTES:**
1. BLEND PROPOSED CONTOURS INTO EXISTING CONTOURS BEFORE STA. -0+85 AND AFTER STA. 9+34.
 2. PROJECT WORK SHALL NOT EXCEED PROPERTY LINES.
 3. TOPPLATE REQUIRES 100 C.Y. ± MATERIAL TO BE IMPORTED.
 4. PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO BUILDINGS, SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADING SHALL BLEND AROUND FIXED STRUCTURES.
 5. REMOVABLE STRUCTURES, INCLUDING BUT NOT LIMITED TO PICNIC TABLES AND LIFEGUARD STANDS SHALL BE TEMPORARILY REMOVED AND REPLACED AFTER GRADING. CONTRACTOR SHALL COORDINATE WITH TOWN.
 6. GRADING SHALL REMAIN ABOVE M.H.L.
 7. BLEND PROPOSED CONTOURS AROUND EXISTING BUILDING.
 8. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREIN HAVE BEEN COMPILED, IN PART, FROM RECORD MAPS AND LIMITED FIELD MEASUREMENTS. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-422-4455.

GRADING PLAN
SCALE: 1" = 100'-0"

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TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

PENFIELD BEACH
ENGINEERED BEACH DESIGN
FAIRFIELD BEACH ROAD
FAIRFIELD, CT

DRAWING:

SECTIONS

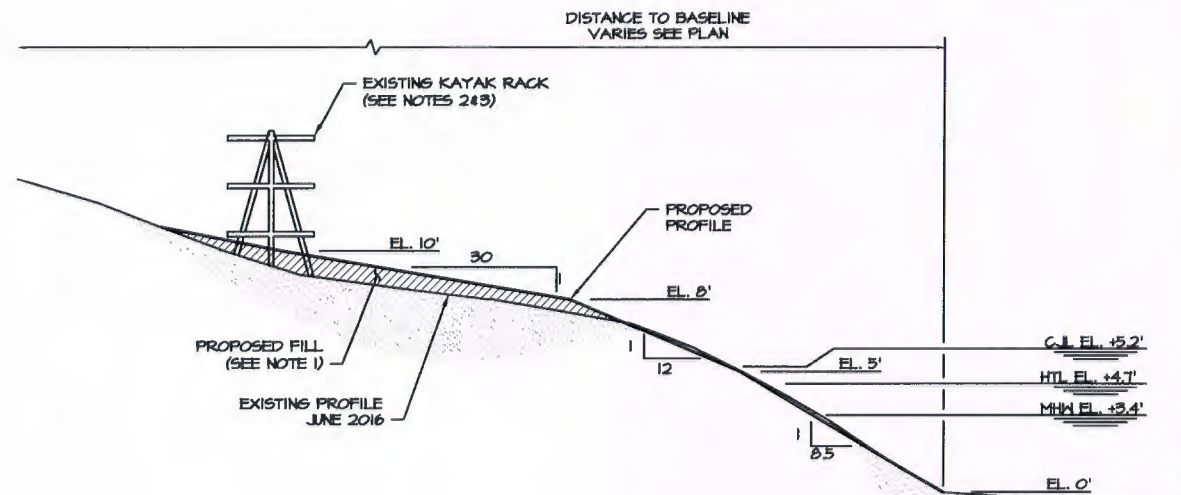
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

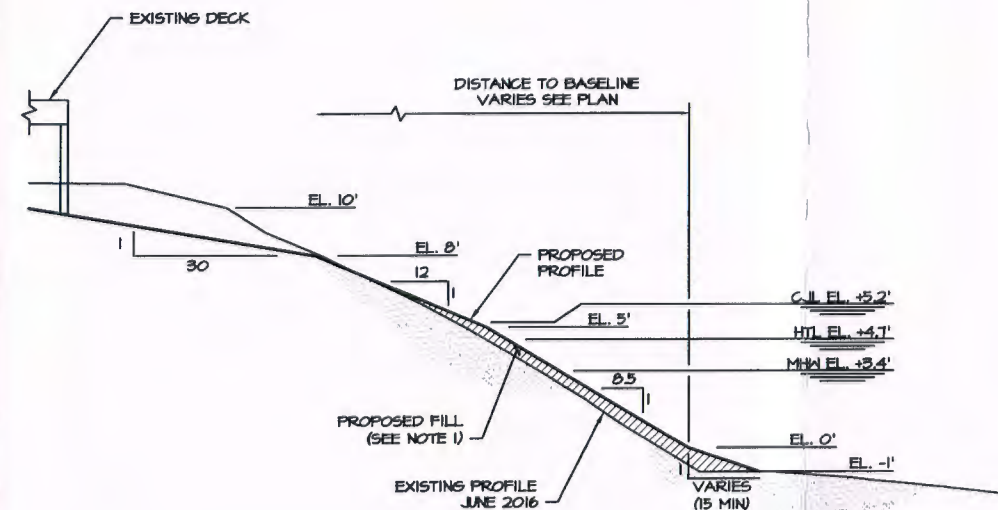
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CAD File: PENFIELD20170407.DWG



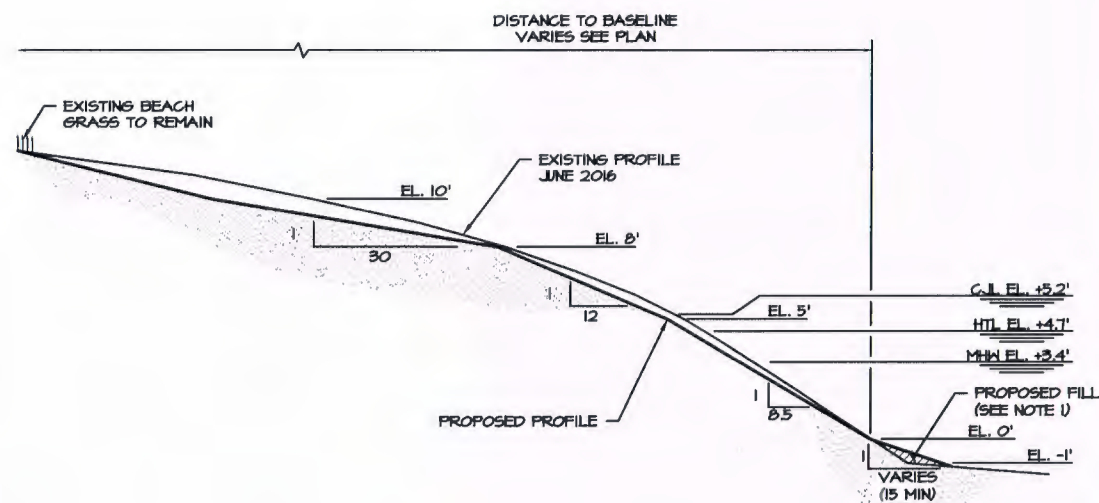
SECTION

VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'



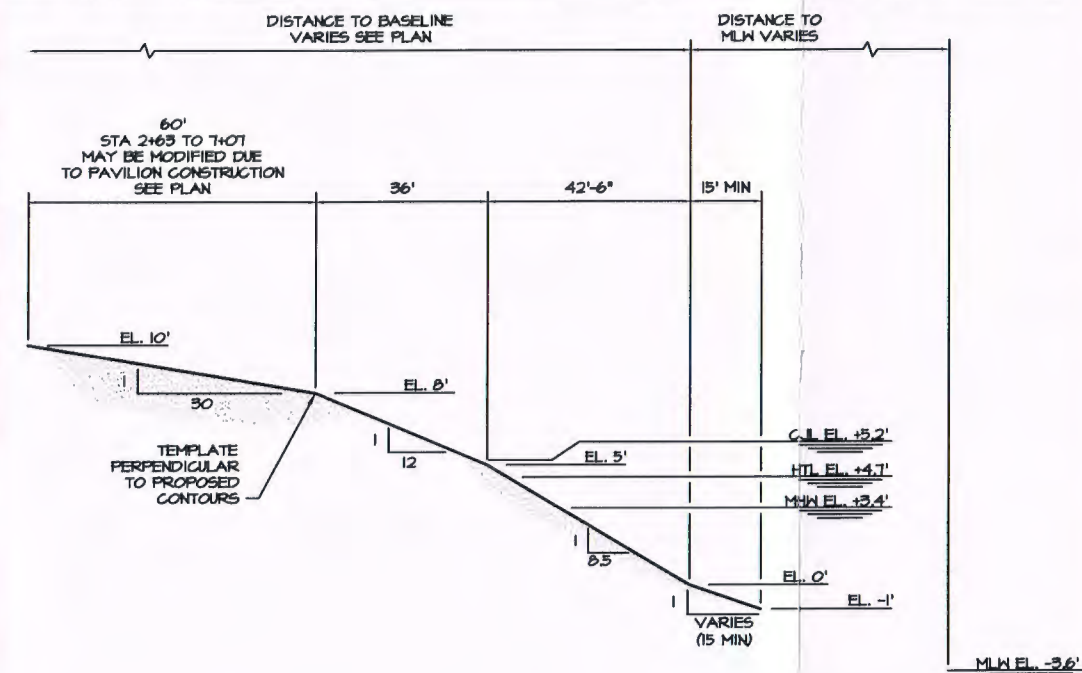
SECTION

VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'



SECTION

VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'



PROPOSED TEMPLATE

VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'

NOTE:

1. TEMPLATE REQUIRES 100 C.Y. ± MATERIAL TO BE IMPORTED.
2. PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADING SHALL BLEND AROUND FIXED STRUCTURES.
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SASCO BEACH ENGINEERED BEACH DESIGN SASCO POINT FAIRFIELD, CT



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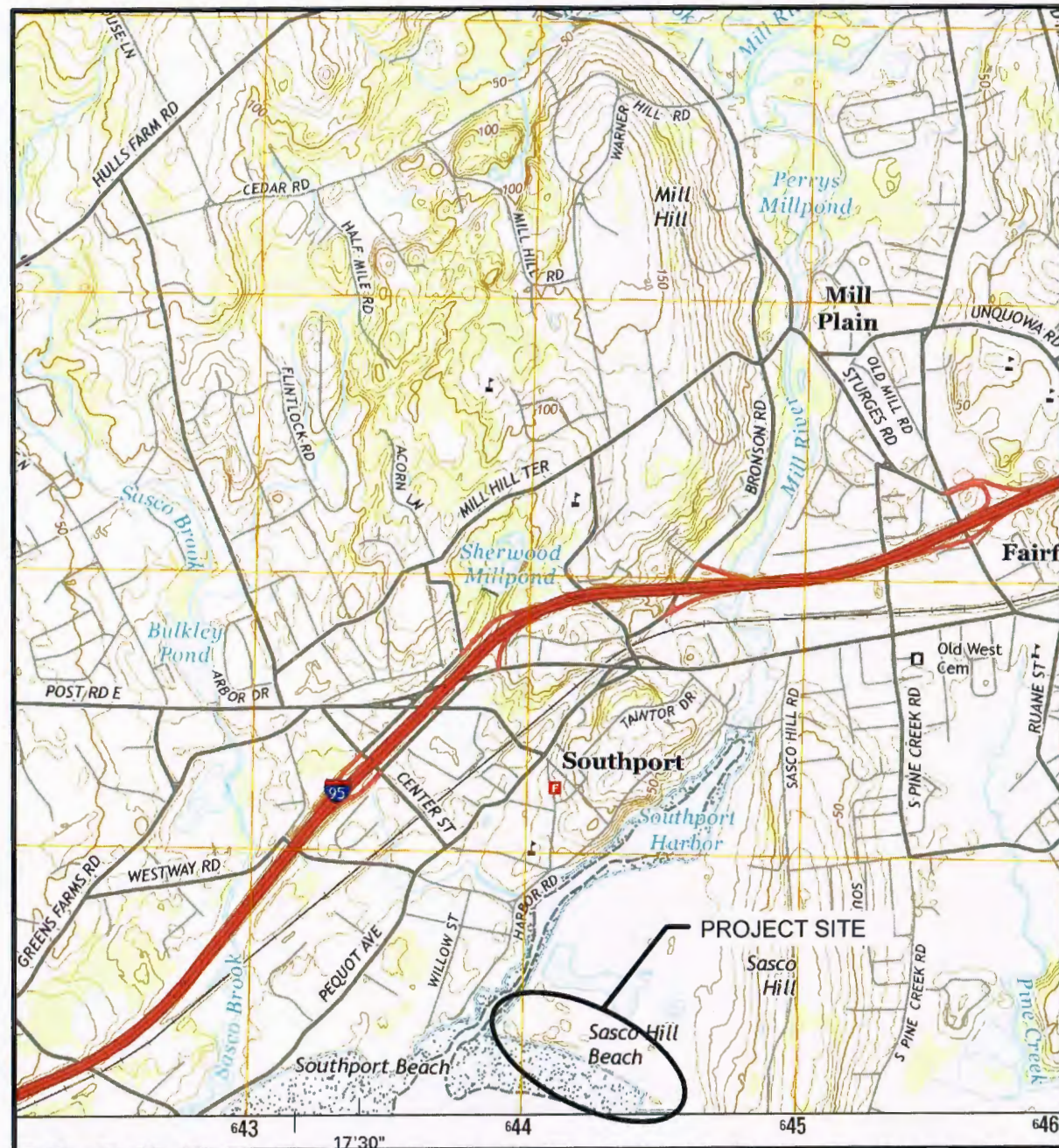
PROJECT:

SASCO BEACH
ENGINEERED BEACH DESIGN
SASCO POINT
FAIRFIELD, CT

DRAWING:

TITLE SHEET, DRAWING LIST &
VICINITY MAP

Project #:	201644	Date:	02/28/2018
Designed By:	JAP	Scale:	As Noted
Drawn By:	JAP	Revision #:	0
Checked By:	ADS	Drawing No.:	
CAD File:	SASCO.DWG	1 of 05	



VICINITY MAP

LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
1	TITLE SHEET, DRAWING LIST & VICINITY MAP
2	PROJECT NOTES
3	SITE PLAN
4	GRADING PLAN
5	SECTIONS

PROJECT NOTES

DESCRIPTION OF WORK:

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL LABOR, SUPERVISION, EQUIPMENT, APPLIANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

- REGRADE BEACH TO ENGINEERED SLOPES AND SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK NEEDED FOR A COMPLETE AND PROPER INSTALLATION. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS.

GENERAL NOTES:

- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- TOPOGRAPHY TAKEN IN PART FROM DRAWING TITLED "TOPOGRAPHIC SURVEY," DATED JULY 11, 2016 AND REVISED JULY 18, 2016 PREPARED BY GESICK & ASSOCIATES, P.C.
- SUPPLEMENTAL SITE INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON MAY 25, 2016.
- HYDROGRAPHIC SURVEY DATA OBTAINED BY RACE COASTAL ENGINEERING, LLC ON JUNE 16, 2016 AND ONLY REPRESENTS THE SITE CONDITIONS AT THAT TIME.
- WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET LINES AND GRADES DEPICTED WITHIN THESE CONTRACT DRAWINGS.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
- EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND FABRICATION OR ORDERING OF ANY CONSTRUCTION MATERIALS.
- SECTIONS AND DETAILS APPLY TO SAME AND SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS.
- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL USE EQUIPMENT ADEQUATE IN SIZE, CAPACITY, AND NUMBERS, AND MAINTAINED TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL PROTECT WETLANDS AND COASTAL RESOURCES FROM INTRUSION BY TURBID WATERS, CONSTRUCTION DEBRIS, CONSTRUCTION EQUIPMENT, OR PERSONNEL DURING WORK ACTIVITIES.
- THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT SUM THE COST FOR ALL NECESSARY PERMITS, LICENSES, CERTIFICATES OF INSPECTION, AND ALL LEGAL FEES IN CONNECTION WITH THE WORK OF THIS CONTRACT. THE OWNER IS TO OBTAIN NECESSARY REGULATORY PERMITS REQUIRED FOR THE WORK IN REGULATED AREAS. THE CONTRACTOR SHALL REQUEST COPIES OF THOSE REGULATORY PERMITS AND MAKE PROVISION IN THIS WORK AND IN THE COST OF THE WORK FOR APPLICABLE CONDITIONS OF THOSE PERMITS. FAILURE TO CONSIDER ANY CONDITION OF THE REGULATORY PERMITS AS A PART OF THE BID SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO APPLY THOSE CONDITIONS TO HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT FROM DAMAGE UTILITIES, UTILITY STRUCTURES, FUEL LINES & TANKS OR ANY UNKNOWN UTILITIES OR STRUCTURES PRIOR TO ANY WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP A CLEAN & TIDY WORK SITE. THE SITE SHALL BE LEFT NEAT & CLEAN AT THE END OF EACH WORK DAY
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE LANDSCAPING, INCLUDING BUT NOT LIMITED TO LAWN, TREES, PLANTINGS, ETC. DAMAGED BY THE CONTRACTOR DURING THE COURSE OF THE PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY DAMAGED PROPERTY CAUSED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT, CURBING, FENCING, ETC. DAMAGED ITEMS SHALL BE REPAIRED IN KIND.

BEACH NOURISHMENT:

- MATERIAL SHALL BE DRY BEACH SAND FURNISHED BY THE CONTRACTOR.
- MATERIAL SHALL BE PROCESSED OR UNPROCESSED BANK RUN SAND OR BEACH SAND FREE OF ROOTS, ORGANIC MATTER, FROZEN LUMPS, TRASH OR OTHER DEBRIS.
- SAND SHALL MATCH THE COLOR AT THE SITE.
- ALL IMPORTED SAND SHALL MEET THE FOLLOWING GRADATION (ASTM D 422):

SPECIFICATIONS FOR DRY BEACH SAND NOURISHMENT	
U.S. STANDARD (SIEVE SIZE)	PERCENT PASSING BY (WEIGHT)
3/8"	100
1/4"	100-95
#4	95-90
#10	90-80
#40	80-25
#100	25-0
#200	0

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE A SAND SOURCE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM MATERIAL TESTING TO ENSURE THAT MATERIAL SOURCE MATCHES THE COLOR, GRAIN SIZE, AND DISTRIBUTION OF THE SAND ON THE COASTAL BEACH.
- THE SOIL PARTICLES SHALL BE ANGULAR TO SUB-ROUNDED AND CLASSIFIED SW.
- THE MINIMUM SPECIFIC GRAVITY OF SOIL PARTIALS SHALL BE 2.65.
- THE CONTRACTOR SHALL SUBMIT LABORATORY CERTIFICATION FOR EACH 1,000 C.Y. DELIVERED OR FOR EACH CHANGE OF MATERIAL SOURCE THAT CERTIFIES THE SOIL PROPOSED FOR BEACH FILL SATISFIES THE MINIM STATED HEREIN INCLUDING GRADATION CURVES AND COMPUTATION SHEETS.
- SAND SHALL BE FREE OF CONTAMINANTS: PCB'S, DIOXINS, HYDROCARBONS, OR OTHER TOXIC CHEMICALS & CONTRACTOR SHALL PROVIDE CERTIFICATION.
- CONTRACTOR SHALL PROVIDE SAMPLE AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. ANY VARIATION IN THE SPECIFIED GRADATION MAY REQUIRE PLACEMENT OF ADDITIONAL FILL VOLUME BASED ON ENGINEERING ANALYSIS.

SELECTIVE DEMOLITION

- DEMOLISHED MATERIAL, DEEMED UNACCEPTABLE FOR REUSE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOBSITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THE BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS FOUND ONSITE.

EROSION & SEDIMENTATION CONTROLS

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM.
- PRIOR TO MOBILIZATION, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED.
- WHENEVER POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", MAY 2002.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY AND REQUIRED.
- THE GENERAL CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE (100' MIN) ON SITE FOR EMERGENCY PURPOSES.
- ALL DISTURBED LAWN AREAS OUT OF THE MAJOR CONSTRUCTION AREA THAT ARE TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER, SEED THESE AREAS WITH PERENNIAL RYE GRASS AT THE RATE OF 40 LBS. PER ACRE (1 LB PER 1,000 SQ. FT.).
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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SASCO BEACH
ENGINEERED BEACH DESIGN
SASCO POINT
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #: 201644	Date: 02/28/2018
Designed By: JAP	Scale: As Noted
Drawn By: JAP	Revision #: 0
Checked By: ADS	Drawing No.:
CAD File: SASCO.DWS	2 of 05

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PROJECT:

SASCO BEACH
ENGINEERED BEACH DESIGN
SASCO POINT
FAIRFIELD, CT

DRAWING:

SITE PLAN

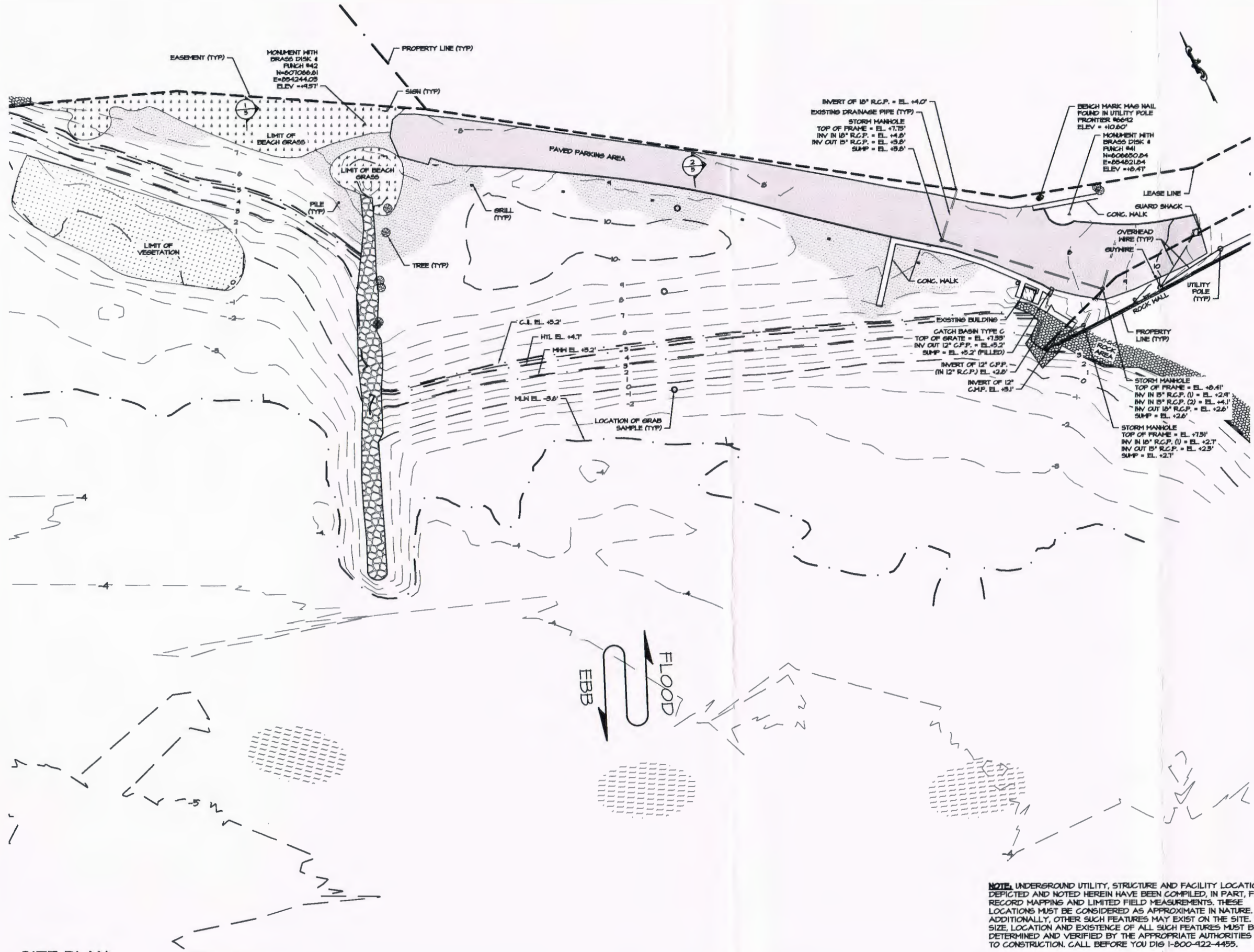
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: SASCO.DWG **3 of 05**



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SITE PLAN
SCALE: 1" = 100'-0"

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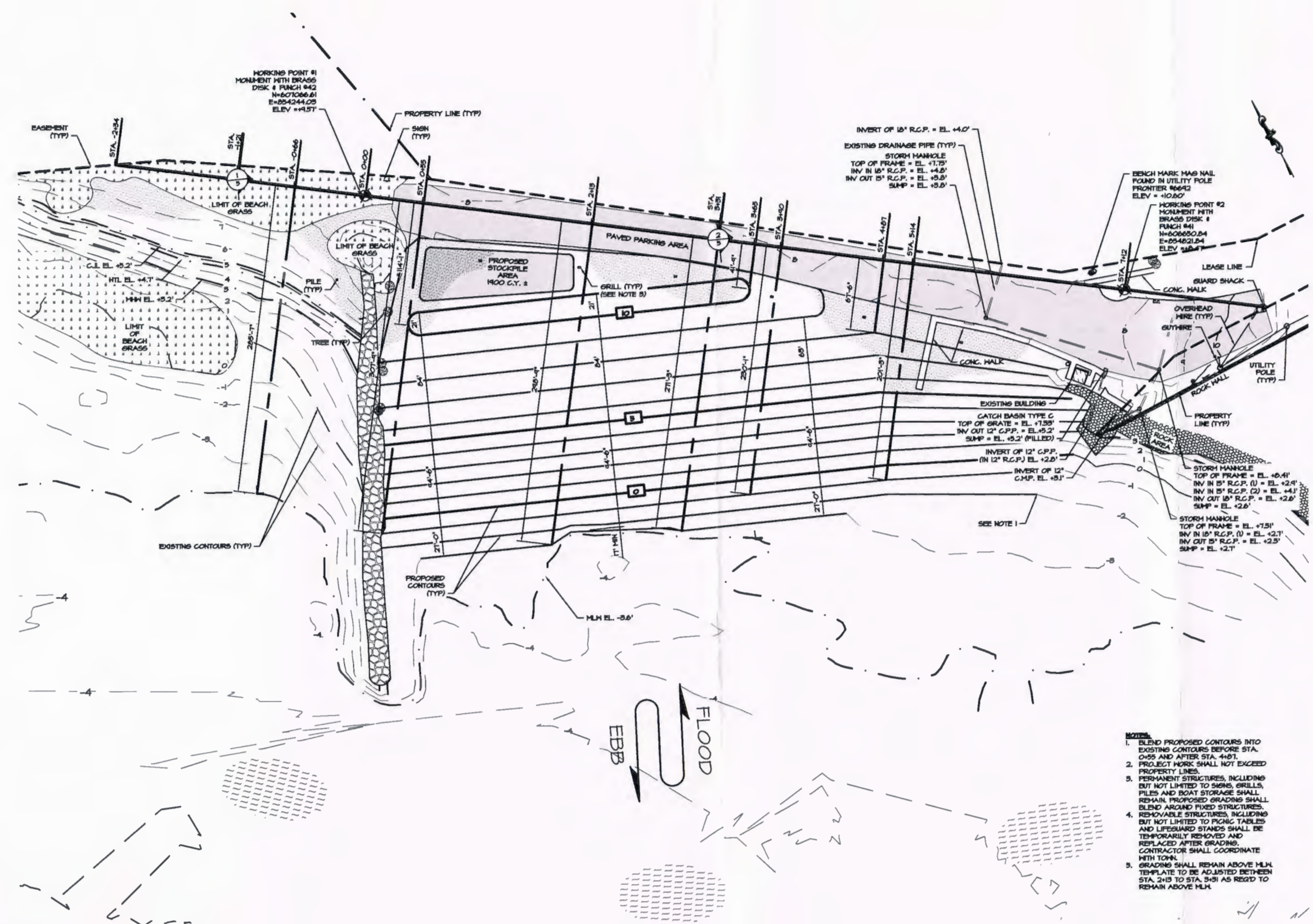
PROJECT:

SASCO BEACH
ENGINEERED BEACH DESIGN
SASCO POINT
FAIRFIELD, CT

DRAWING:

GRADING PLAN

Project #:	201644	Date:	02/28/2018
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Checked By:	ADS	Drawing No.:	
CAD File:	SASCO.DWG	4 of 05	



- NOTES:**
1. BLEND PROPOSED CONTOURS INTO EXISTING CONTOURS BEFORE STA. 0+55 AND AFTER STA. 4+87.
 2. PROJECT WORK SHALL NOT EXCEED PROPERTY LINES.
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 5. GRADING SHALL REMAIN ABOVE M.L.H. TEMPLATE TO BE ADJUSTED BETWEEN STA. 2+15 TO STA. 3+51 AS REG'D TO REMAIN ABOVE M.L.H.

GRADING PLAN

SCALE: 1" = 100'-0"

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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

SASCO BEACH
ENGINEERED BEACH DESIGN
SASCO POINT
FAIRFIELD, CT

DRAWING:

SECTIONS

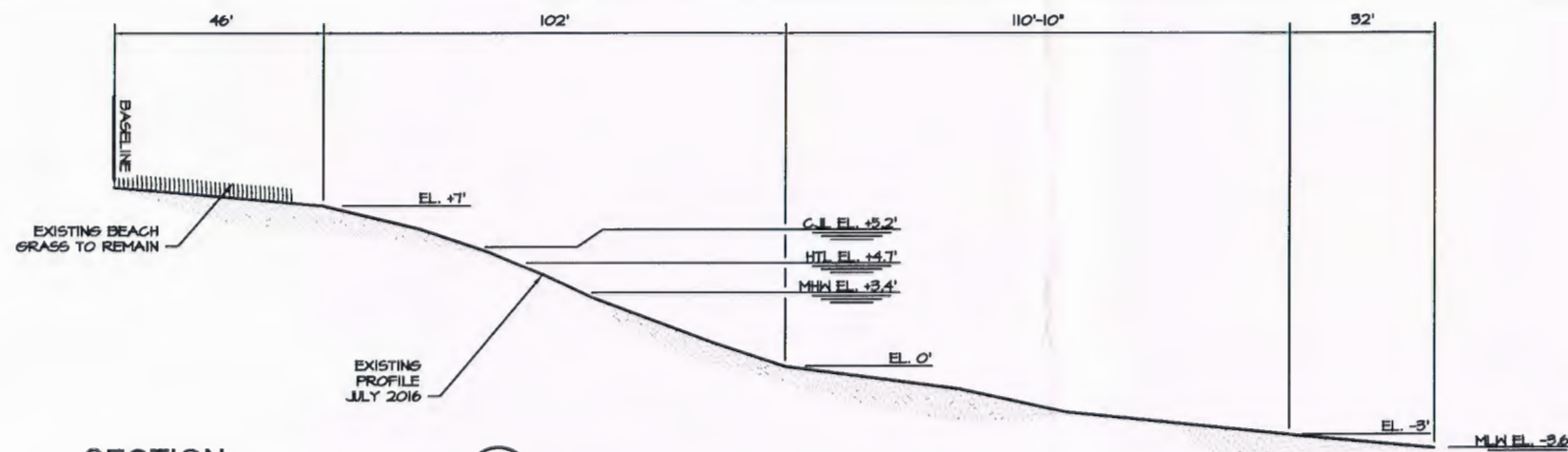
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

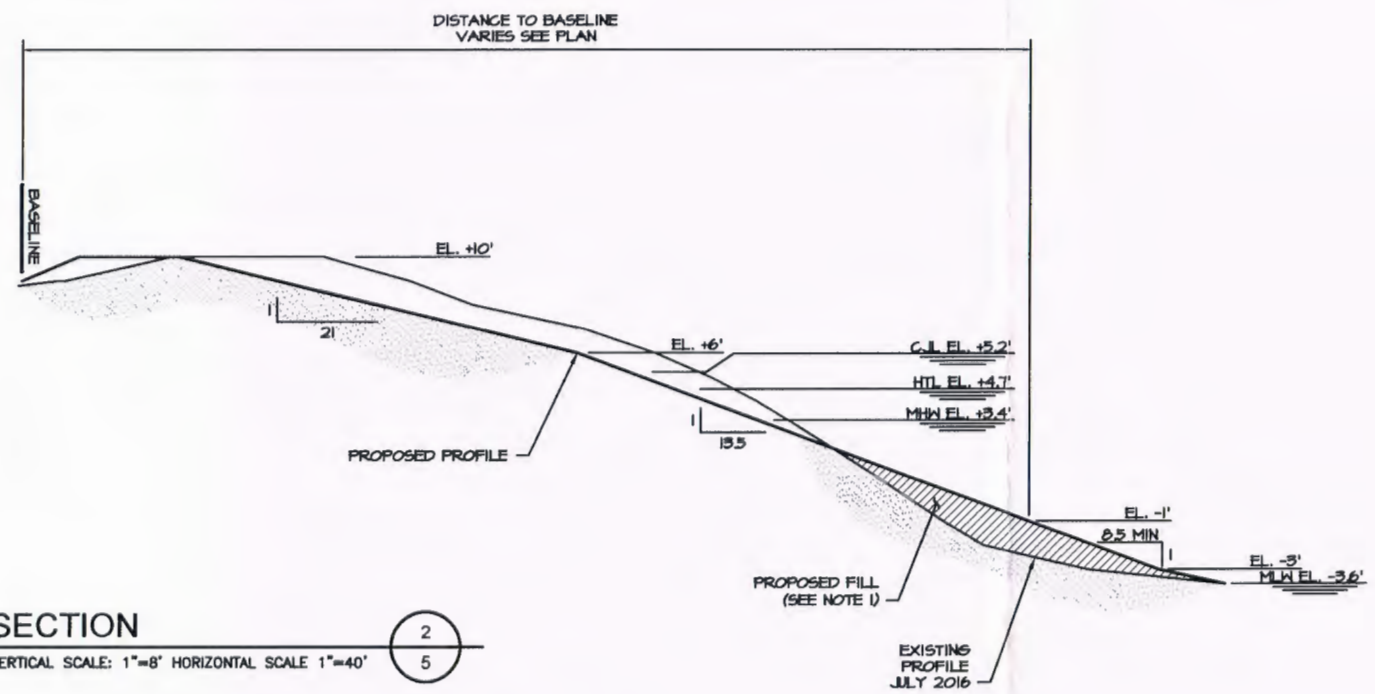
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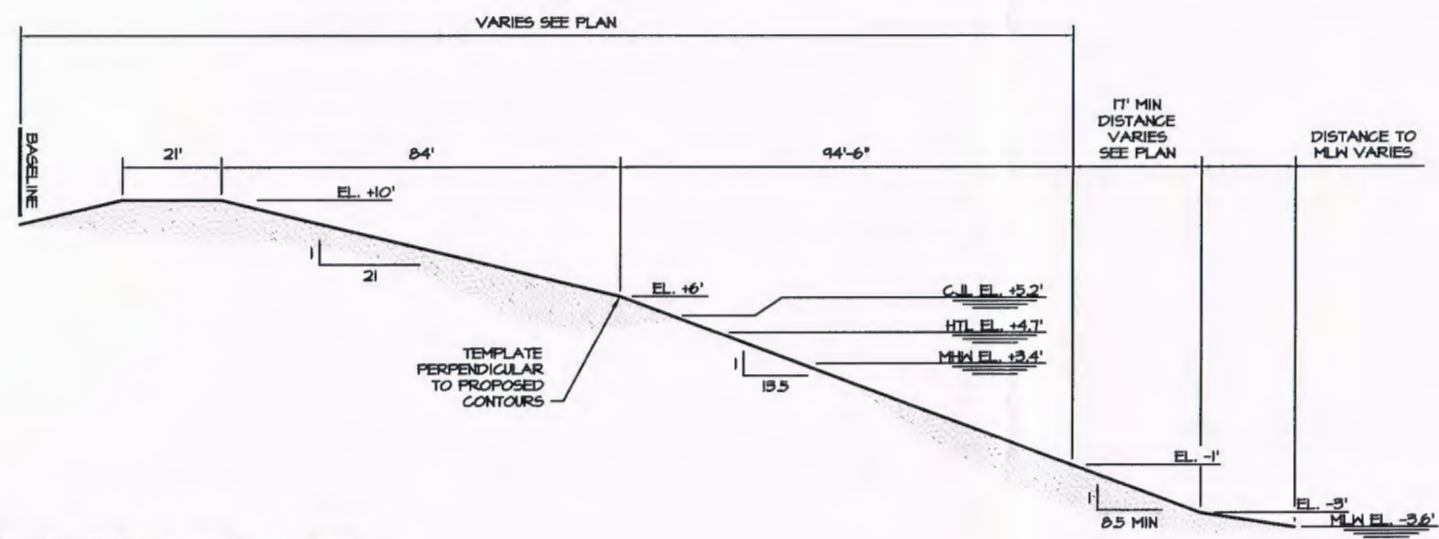
CAD File: SASCO.DWG 5 of 05



SECTION 1
VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'



SECTION 2
VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'



PROPOSED TEMPLATE
VERTICAL SCALE: 1"=8' HORIZONTAL SCALE 1"=40'

- NOTE:**
1. PROFILE WEST OF JETTY (SECTION 1) TO BE MAINTAINED.
 2. PROFILE EAST OF JETTY (SECTION 2, STA. 0+55 TO STA. 4+87) TO BE GRADED TO MEET TEMPLATE. EXCESS MATERIAL TO BE STOCKPILED ON SITE. TEMPLATE PRODUCES 1900 C.Y. ±.
 3. PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADING SHALL BLEND AROUND FIXED STRUCTURES.
 4. REMOVABLE STRUCTURES, INCLUDING BUT NOT LIMITED TO PICNIC TABLES AND LIFEGUARD STANDS SHALL BE TEMPORARILY REMOVED AND REPLACED AFTER GRADING. CONTRACTOR SHALL COORDINATE WITH TOWN.

JENNINGS BEACH ENGINEERED BEACH DESIGN SOUTH BENSON ROAD FAIRFIELD, CT



611 Access Road Stratford, CT 06615
Tel: 203-377-0663 www.racecoastal.com

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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

JENNINGS BEACH
ENGINEERED BEACH DESIGN
SOUTH BENSON ROAD
FAIRFIELD, CT

DRAWING:

TITLE SHEET, DRAWING LIST &
VICINITY MAP

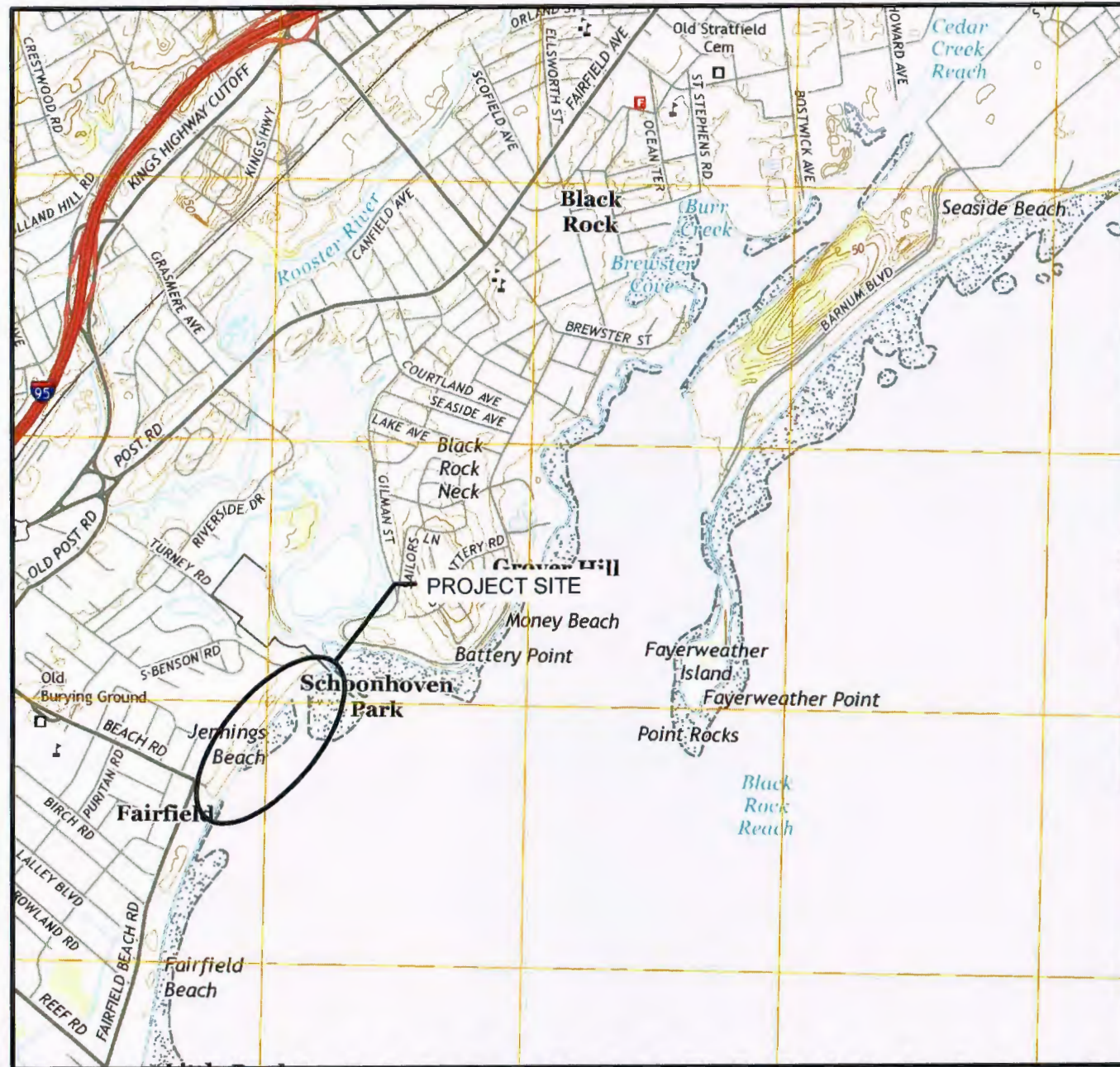
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File:
JENNINGS
BEACH.DWG



VICINITY MAP

LIST OF DRAWINGS

DRAWING NO.	DRAWING NAME
1	TITLE SHEET, DRAWING LIST & VICINITY MAP
2	PROJECT NOTES
3	SITE PLAN
4	GRADING PLAN
5	SECTIONS

PROJECT NOTES

DESCRIPTION OF WORK:

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL LABOR, SUPERVISION, EQUIPMENT, APPLIANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

- REGRADE BEACH TO ENGINEERED SLOPES AND SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK NEEDED FOR A COMPLETE AND PROPER INSTALLATION. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS.

GENERAL NOTES:

- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- TOPOGRAPHY TAKEN IN PART FROM DRAWING TITLED "TOPOGRAPHIC SURVEY," DATED JUNE 23, 2016 PREPARED BY SESICK & ASSOCIATES, P.C.
- SUPPLEMENTAL SITE INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON MAY 25, 2016.
- HYDROGRAPHIC SURVEY DATA OBTAINED BY RACE COASTAL ENGINEERING, LLC ON JUNE 17, 2016 AND ONLY REPRESENTS THE SITE CONDITIONS AT THAT TIME.
- WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET LINES AND GRADES DEPICTED WITHIN THESE CONTRACT DRAWINGS.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
- EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND FABRICATION OR ORDERING OF ANY CONSTRUCTION MATERIALS.
- SECTIONS AND DETAILS APPLY TO SAME AND SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS.
- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL USE EQUIPMENT ADEQUATE IN SIZE, CAPACITY, AND NUMBERS, AND MAINTAINED TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL PROTECT WETLANDS AND COASTAL RESOURCES FROM INTRUSION BY TURBID WATERS, CONSTRUCTION DEBRIS, CONSTRUCTION EQUIPMENT, OR PERSONNEL DURING WORK ACTIVITIES.
- THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT SUM THE COST FOR ALL NECESSARY PERMITS, LICENSES, CERTIFICATES OF INSPECTION, AND ALL LEGAL FEES IN CONNECTION WITH THE WORK OF THIS CONTRACT. THE OWNER IS TO OBTAIN NECESSARY REGULATORY PERMITS REQUIRED FOR THE WORK IN REGULATED AREAS. THE CONTRACTOR SHALL REQUEST COPIES OF THOSE REGULATORY PERMITS AND MAKE PROVISION IN THIS WORK AND IN THE COST OF THE WORK FOR APPLICABLE CONDITIONS OF THOSE PERMITS. FAILURE TO CONSIDER ANY CONDITION OF THE REGULATORY PERMITS AS A PART OF THE BID SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO APPLY THOSE CONDITIONS TO HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT FROM DAMAGE UTILITIES, UTILITY STRUCTURES, FUEL LINES & TANKS OR ANY UNKNOWN UTILITIES OR STRUCTURES PRIOR TO ANY WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP A CLEAN & TIDY WORK SITE. THE SITE SHALL BE LEFT NEAT & CLEAN AT THE END OF EACH WORK DAY
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE LANDSCAPING, INCLUDING BUT NOT LIMITED TO LAWN, TREES, PLANTINGS, ETC. DAMAGED BY THE CONTRACTOR DURING THE COURSE OF THE PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY DAMAGED PROPERTY CAUSED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT, CURBING, FENCING, ETC. DAMAGED ITEMS SHALL BE REPAIRED IN KIND.

BEACH NOURISHMENT:

- MATERIAL SHALL BE DRY BEACH SAND FURNISHED BY THE CONTRACTOR.
- MATERIAL SHALL BE PROCESSED OR UNPROCESSED BANK RUN SAND OR BEACH SAND FREE OF ROOTS, ORGANIC MATTER, FROZEN LUMPS, TRASH OR OTHER DEBRIS.
- SAND SHALL MATCH THE COLOR AT THE SITE.
- ALL IMPORTED SAND SHALL MEET THE FOLLOWING GRADATION (ASTM D 422):

SPECIFICATIONS FOR DRY BEACH SAND NOURISHMENT	
U.S. STANDARD (SIEVE SIZE)	PERCENT PASSING BY (WEIGHT)
3/4"	100
#4	100-95
#10	95-90
#40	90-35
#100	35-0
#200	0

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE A SAND SOURCE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM MATERIAL TESTING TO ENSURE THAT MATERIAL SOURCE MATCHES THE COLOR, GRAIN SIZE, AND DISTRIBUTION OF THE SAND ON THE COASTAL BEACH.
- THE SOIL PARTICLES SHALL BE ANGULAR TO SUB-ROUNDED AND CLASSIFIED SW.
- THE MINIMUM SPECIFIC GRAVITY OF SOIL PARTIALS SHALL BE 2.65.
- THE CONTRACTOR SHALL SUBMIT LABORATORY CERTIFICATION FOR EACH 1,000 C.Y. DELIVERED OR FOR EACH CHANGE OF MATERIAL SOURCE THAT CERTIFIES THE SOIL PROPOSED FOR BEACH FILL SATISFIES THE MINIM STATED HEREIN INCLUDING GRADATION CURVES AND COMPUTATION SHEETS.
- SAND SHALL BE FREE OF CONTAMINANTS: PCB'S, DIOXINS, HYDROCARBONS, OR OTHER TOXIC CHEMICALS & CONTRACTOR SHALL PROVIDE CERTIFICATION.
- CONTRACTOR SHALL PROVIDE SAMPLE AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. ANY VARIATION IN THE SPECIFIED GRADATION MAY REQUIRE PLACEMENT OF ADDITIONAL FILL VOLUME BASED ON ENGINEERING ANALYSIS.

SELECTIVE DEMOLITION

- DEMOLISHED MATERIAL, DEEMED UNACCEPTABLE FOR REUSE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOBSITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THE BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS FOUND ONSITE.

EROSION & SEDIMENTATION CONTROLS

- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM.
- PRIOR TO MOBILIZATION, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED.
- WHENEVER POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", MAY 2002.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY AND REQUIRED.
- THE GENERAL CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE (100' MIN.) ON SITE FOR EMERGENCY PURPOSES.
- ALL DISTURBED LAWN AREAS OUT OF THE MAJOR CONSTRUCTION AREA THAT ARE TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER, SEED THESE AREAS WITH PERENNIAL RYE GRASS AT THE RATE OF 40 LBS. PER ACRE (1 LB PER 1,000 SQ. FT.).
- THE GENERAL CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THE RESPONSIBILITY INCLUDES SUPERVISING THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE CONSERVATION STAFF PERSON OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

EXCAVATION AND BACKFILLING

- THE CONTRACTOR SHALL EXCAVATE, BACKFILL, AND GRADE THE SITE TO THE ELEVATIONS AND LIMITS SHOWN AND NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION.
- GRADE THE AREAS ADJACENT TO BUILDINGS TO ACHIEVE DRAINAGE AWAY FROM THE STRUCTURES AND PREVENT PONDING.



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PREPARED FOR:

CONSERVATION DEPT
TOWN OF FAIRFIELD
725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

JENNINGS BEACH
ENGINEERED BEACH DESIGN
SOUTH BENSON ROAD
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: JENNINGS BEACH.DWG **2 of 05**

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725 OLD POST RD
FAIRFIELD, CT 06824

PROJECT:

JENNINGS BEACH
ENGINEERED BEACH DESIGN
SOUTH BENSON ROAD
FAIRFIELD, CT

DRAWING:

PROJECT NOTES

Project #: 201644 Date: 02/28/2018

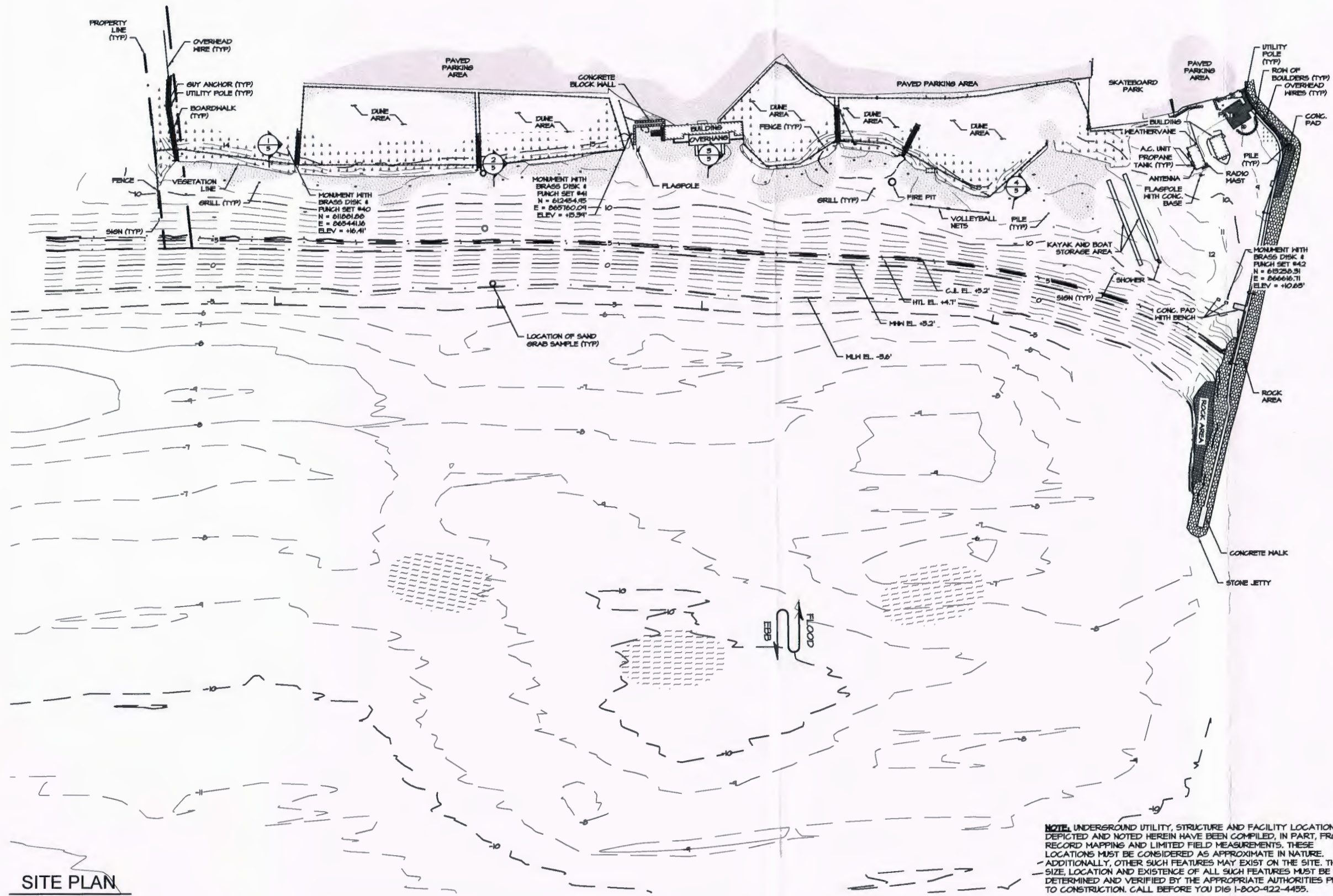
Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File:
JENNINGS
BEACH.DWG

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SITE PLAN
SCALE: 1" = 200'-0"

NOTE: UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREIN HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND LIMITED FIELD MEASUREMENTS. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-422-4455.

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FAIRFIELD, CT 06824

PROJECT:

JENNINGS BEACH
ENGINEERED BEACH DESIGN
SOUTH BENSON ROAD
FAIRFIELD, CT

DRAWING:

GRADING PLAN

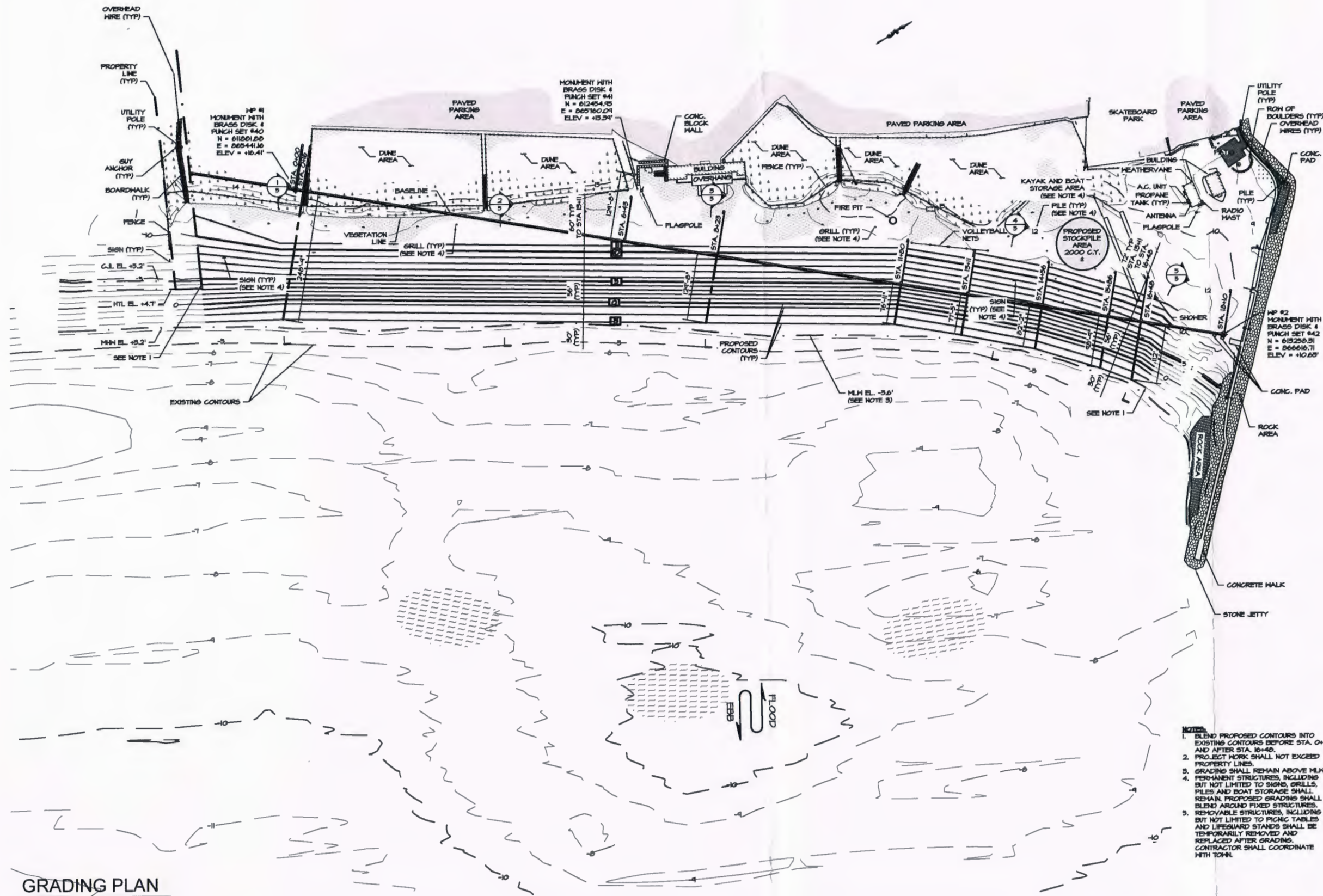
Project #: 201644 Date: 02/28/2018

Designed By: JAP Scale: As Noted

Drawn By: JAP Revision #: 0

Checked By: ADS Drawing No.:

CAD File: JENNINGS BEACH.DWG
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GRADING PLAN

SCALE: 1" = 200'-0"

- NOTES:**
1. BLEND PROPOSED CONTOURS INTO EXISTING CONTOURS BEFORE STA. 0+16 AND AFTER STA. 16+40.
 2. PROJECT WORK SHALL NOT EXCEED PROPERTY LINES.
 3. GRADING SHALL REMAIN ABOVE MLH. REMAIN PROPOSED GRADINGS SHALL BLEND AROUND FIXED STRUCTURES.
 4. PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADINGS SHALL BLEND AROUND FIXED STRUCTURES.
 5. REMOVABLE STRUCTURES, INCLUDING BUT NOT LIMITED TO PICNIC TABLES AND LIFEGUARD STANDS SHALL BE TEMPORARILY REMOVED AND REPLACED AFTER GRADING. CONTRACTOR SHALL COORDINATE WITH TOWN.

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PROJECT:

JENNINGS BEACH
ENGINEERED BEACH DESIGN
SOUTH BENSON ROAD
FAIRFIELD, CT

DRAWING:

SECTIONS

Project #: 201644 Date: 02/28/2018

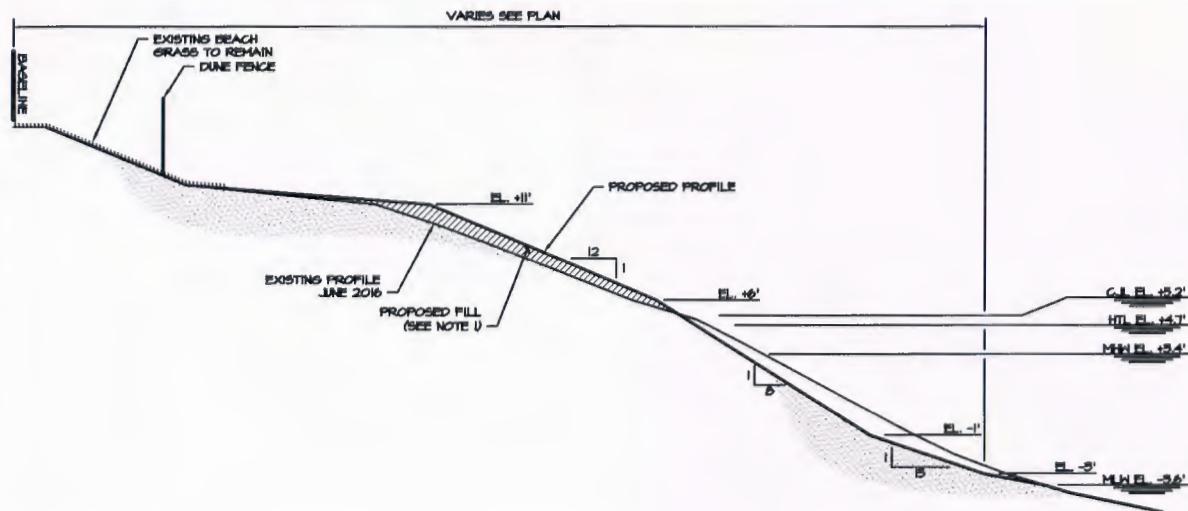
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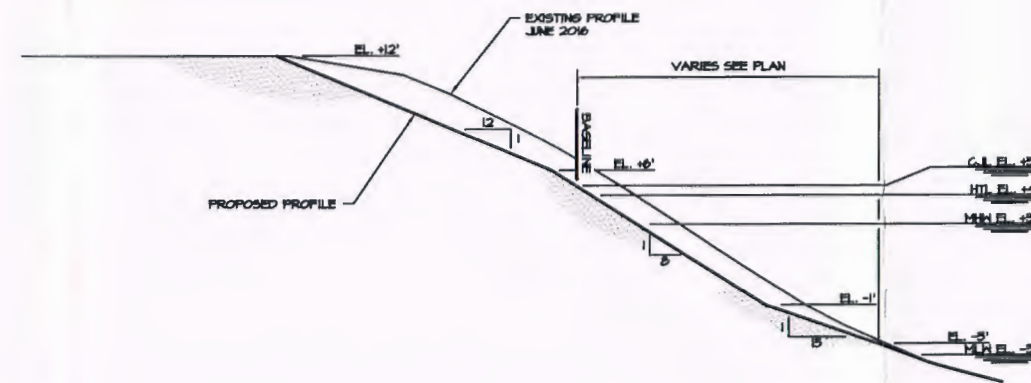
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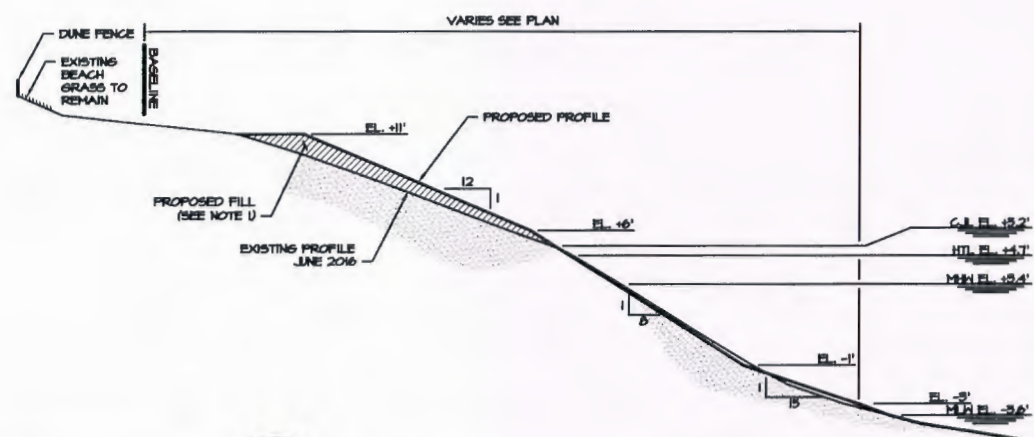
SECTION 1

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'



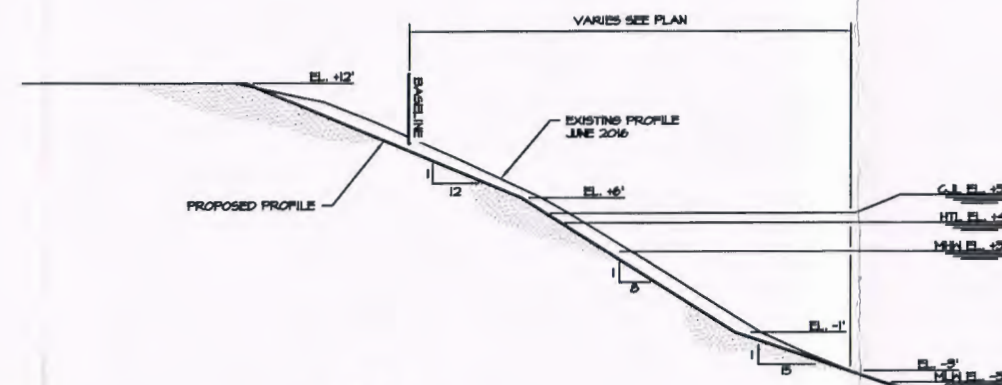
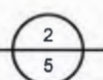
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VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'



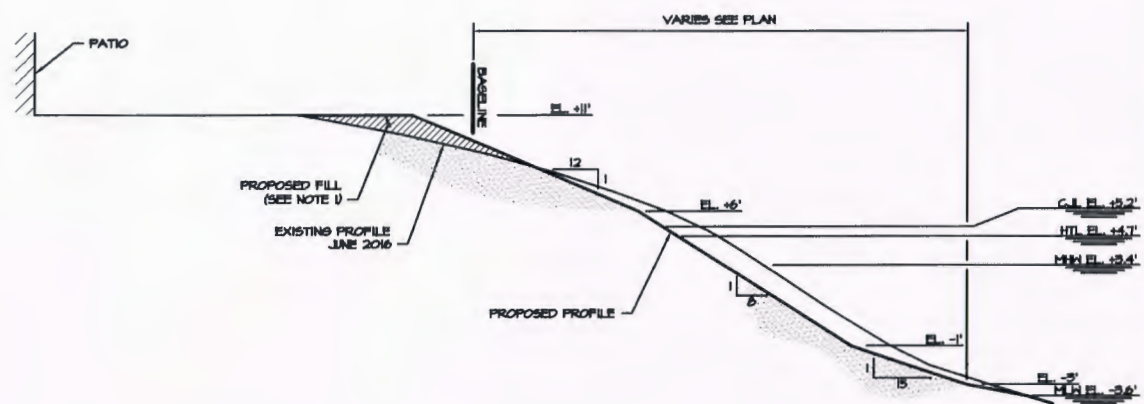
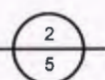
SECTION 2

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'



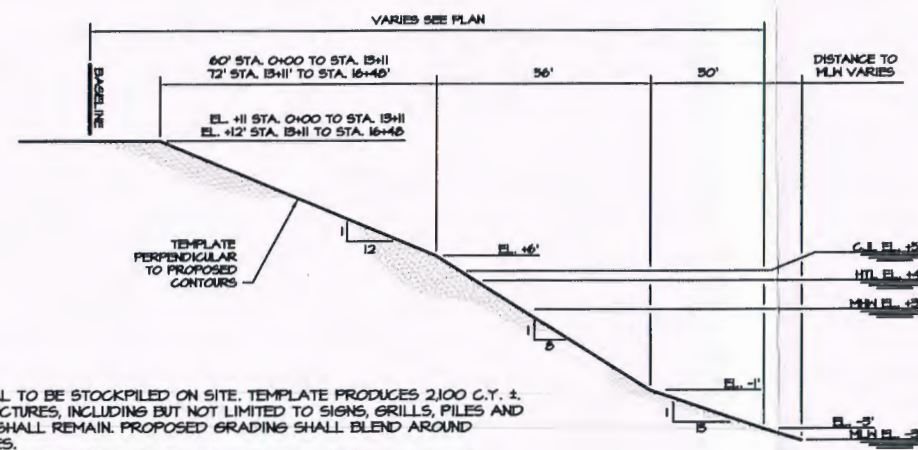
SECTION 2

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'



SECTION 3

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'



NOTE:

- EXCESS MATERIAL TO BE STOCKPILED ON SITE. TEMPLATE PRODUCES 2,100 C.Y. ±
- PERMANENT STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS, GRILLS, PILES AND BOAT STORAGE SHALL REMAIN. PROPOSED GRADING SHALL BLEND AROUND FIXED STRUCTURES.
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PROPOSED TEMPLATE

VERTICAL SCALE: 1"=10' HORIZONTAL SCALE 1"=50'