

TOWN OF STRATFORD BEACH NOURISHMENT PROJECT

SHORT BEACH - STRATFORD, CT

DRAWING NUMBER	TITLE
G-01	PROJECT NOTES
G-02	EXISTING SITE PLAN
G-03	PROPOSED SITE PLAN
G-04	SECTIONS



611 Access Road, Stratford, CT 06615
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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:

- PERFORM BEACH NOURISHMENT BY ADDING APPROXIMATELY 520+ C.Y. OF SAND
- REGRADE BEACH FROM EDGE OF SOUTHERN PARKING LOT TO THE PAVILION ON THE NORTHERN SECTION OF BEACH

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 NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD).
- TOPOGRAPHY TAKEN IN PART FROM DRAWING TITLED "TOPOGRAPHIC SURVEY PLAN," DATED DECEMBER 2010 AND PREPARED BY THE TOWN OF STRATFORD BUREAU OF ENGINEERING.
- SUPPLEMENTAL SITE INFORMATION OBTAINED BY RACE, LLC, ON JUNE 4, 2014 WITH CONTROL POINTS SET BY GESICK AND ASSOCIATES P.C. IN JUNE 2014
- 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.
- GRAIN SIZE SHALL SATISFY THE FOLLOWING (ASTM D 422):

SPECIFICATIONS FOR DRY BEACH SAND NOURISHMENT	
U.S. STANDARD (SIEVE SIZE)	PERCENT PASSING BY (WEIGHT)
75	100
4	100-80
10	80-50
40	50-20
100	20-0
200	2-0

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE A SAND SOURCE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SAND SAMPLE AND SAND GRADATION RESULTS TO THE ENGINEER FOR APPROVAL.
- THE SOIL PARTICLES SHALL BE ANGULAR TO SUB-ROUNDED AND CLASSIFIED SM.
- 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.

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

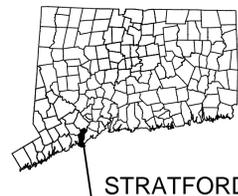
- LAND DISTURBANCE WILL BE KEPT TO A MINIMUM.
- PRIOR TO MOBILIZATION, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED.
- WHENEVER POSSIBLE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", JANUARY 1985.
- 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 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.



VICINITY MAP



AERIAL PHOTO



STRATFORD

REV.	REVISION	BY	DATE

NOT VALID WITHOUT ENGINEER'S SEAL

PREPARED FOR:
**TOWN OF STRATFORD
CONSERVATION DEPARTMENT
2725 MAIN STREET
STRATFORD, CT 06615**

PROJECT:
**SHORT BEACH
BEACH NOURISHMENT
PROJECT
LONG ISLAND SOUND
STRATFORD, CT**

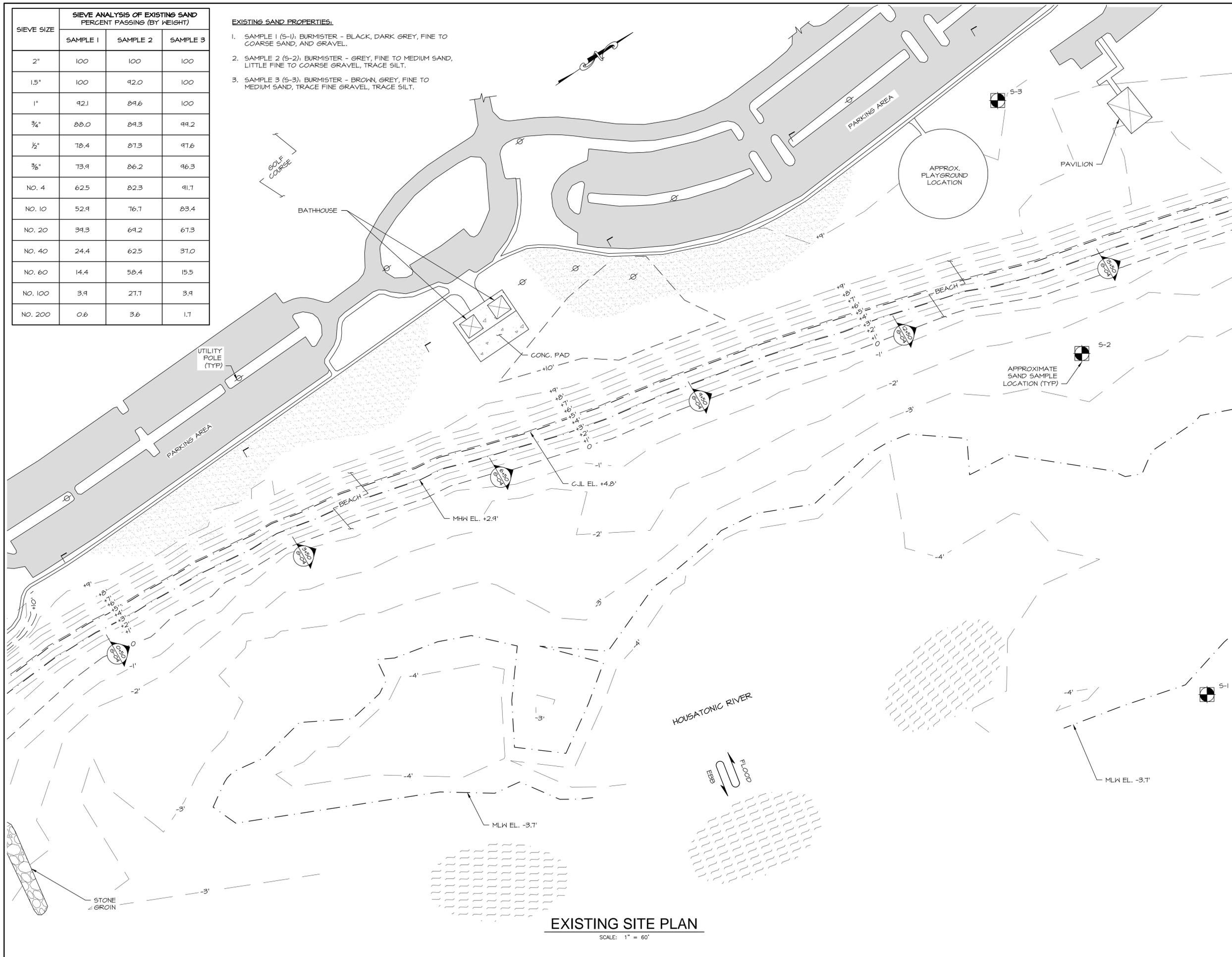
DRAWING:
PROJECT NOTES

Project Number:	201427	Date:	02-16-2015
Designed By:	JAP	Scale:	As Noted
Drawn By:	JAP	Checked By:	DJS
CAD File:	201424/DRAWINGS/DESIGN	Dwg No.:	G-01

SIEVE SIZE	SIEVE ANALYSIS OF EXISTING SAND PERCENT PASSING (BY WEIGHT)		
	SAMPLE 1	SAMPLE 2	SAMPLE 3
2"	100	100	100
1.5"	100	92.0	100
1"	92.1	89.6	100
¾"	88.0	89.3	99.2
½"	78.4	87.3	97.6
⅜"	73.9	86.2	96.3
NO. 4	62.5	82.3	91.7
NO. 10	52.9	76.7	83.4
NO. 20	34.3	69.2	67.3
NO. 40	24.4	62.5	37.0
NO. 60	14.4	58.4	15.5
NO. 100	3.9	27.7	3.9
NO. 200	0.6	3.6	1.7

EXISTING SAND PROPERTIES:

1. SAMPLE 1 (S-1): BURMISTER - BLACK, DARK GREY, FINE TO COARSE SAND, AND GRAVEL.
2. SAMPLE 2 (S-2): BURMISTER - GREY, FINE TO MEDIUM SAND, LITTLE FINE TO COARSE GRAVEL, TRACE SILT.
3. SAMPLE 3 (S-3): BURMISTER - BROWN, GREY, FINE TO MEDIUM SAND, TRACE FINE GRAVEL, TRACE SILT.



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2725 MAIN STREET
STRATFORD, CT 06615**

PROJECT:
**SHORT BEACH
BEACH NOURISHMENT
PROJECT
LONG ISLAND SOUND
STRATFORD, CT**

DRAWING:
**EXISTING SITE
PLAN**

Project Number:	201427	Date:	02-16-2015
Designed By:	JAP	Scale:	As Noted
Drawn By:	JAP	Checked By:	DJS
CAD File:	201424/DRAWINGS/DESIGN	Dwg No.:	G-02

EXISTING SITE PLAN
SCALE: 1" = 60'

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2725 MAIN STREET
STRATFORD, CT 06615

PROJECT:

SHORT BEACH
BEACH NOURISHMENT
PROJECT
LONG ISLAND SOUND
STRATFORD, CT

DRAWING:

PROPOSED
SITE PLAN

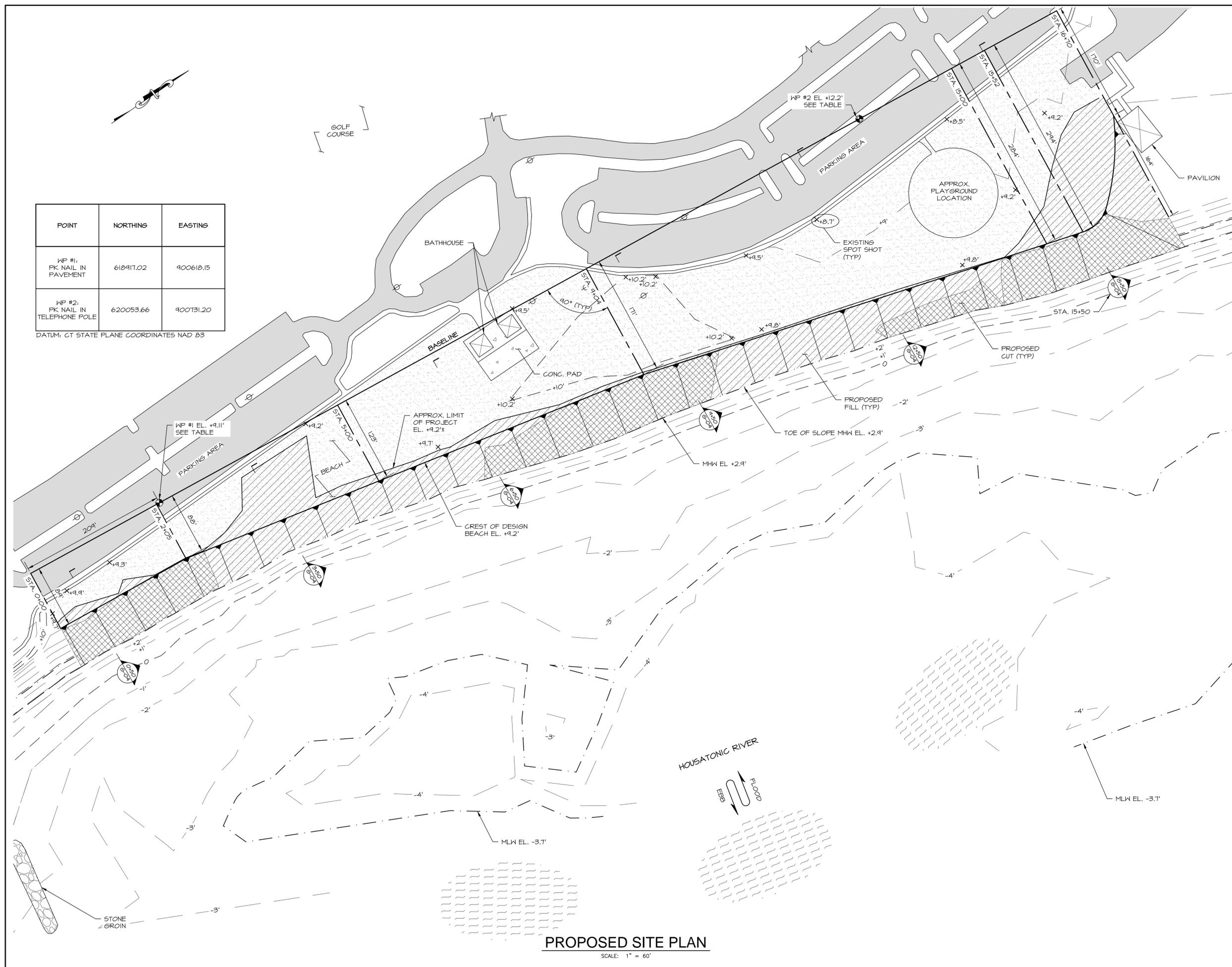
Project Number: 201427 Date: 02-16-2015

Designed By: JAP Scale: As Noted

Drawn By: JAP Checked By: DJS

CAD File: 201424/DRAWINGS/DESIGN Dwg No.:

G-03



POINT	NORTHING	EASTING
WP #1: PK NAIL IN PAVEMENT	618917.02	900618.15
WP #2: PK NAIL IN TELEPHONE POLE	620053.66	900731.20

DATUM: CT STATE PLANE COORDINATES NAD 83

PROPOSED SITE PLAN
SCALE: 1" = 60'

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PROJECT
LONG ISLAND SOUND
STRATFORD, CT

DRAWING:

SECTIONS

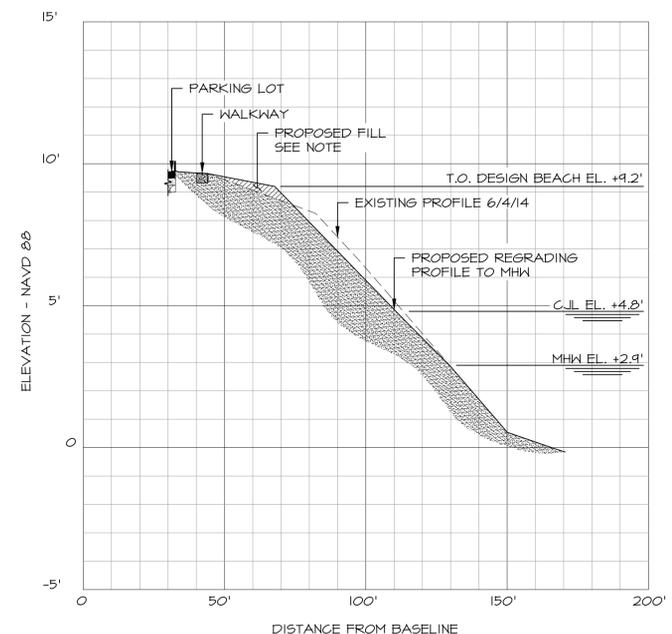
Project Number: **201427** Date: **02-16-2015**

Designed By: **JAP** Scale: **As Noted**

Drawn By: **JAP** Checked By: **DJS**

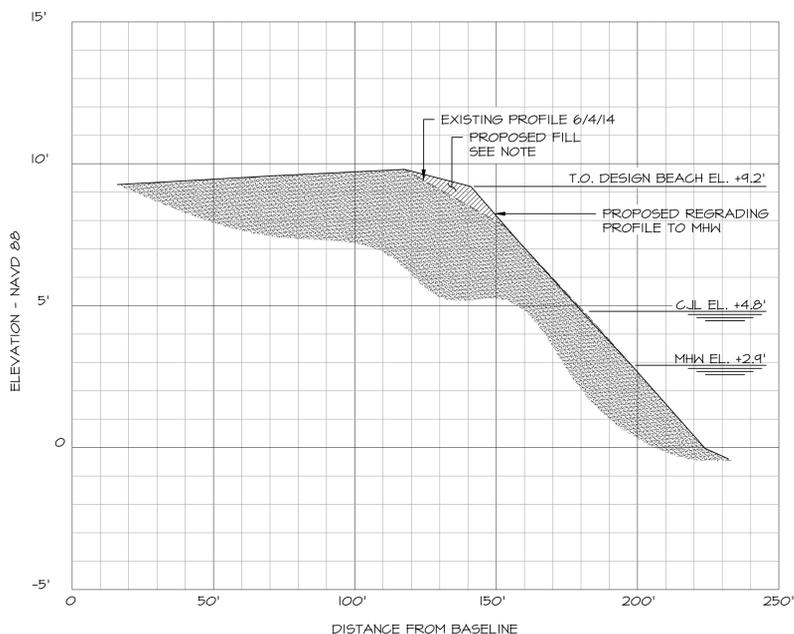
CAD File: **201424/DRAWINGS/DESIGN** Dwg No.:

G-04



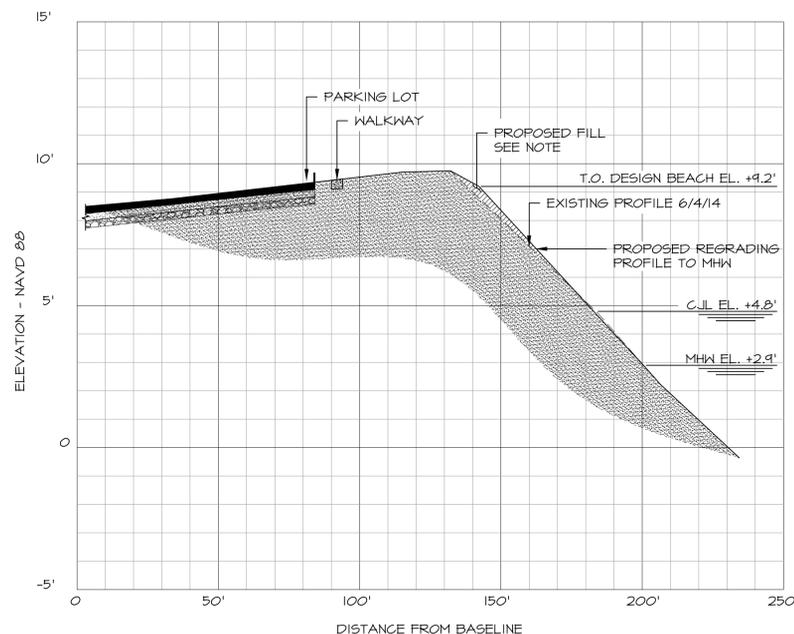
SECTION 1: STA 0+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



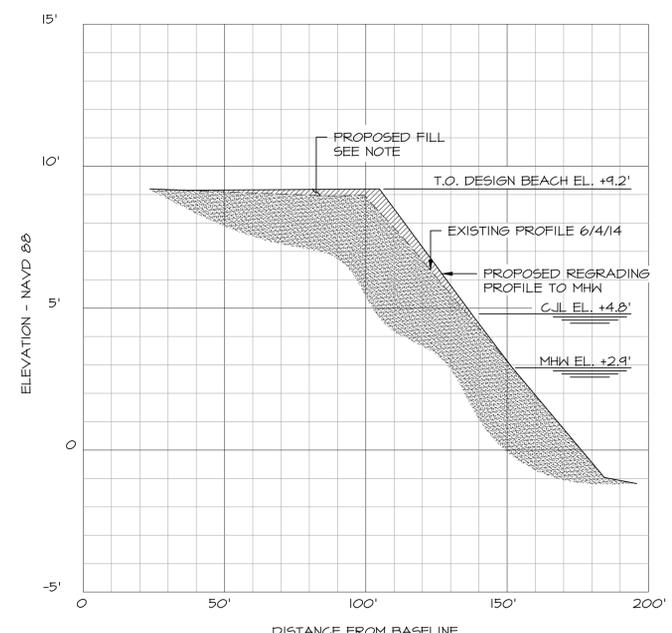
SECTION 3: STA 6+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



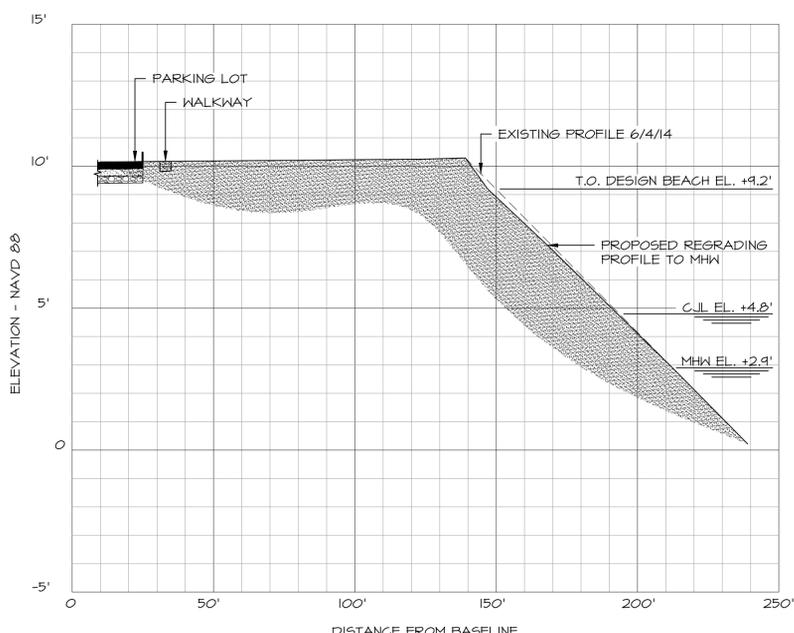
SECTION 5: STA 12+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



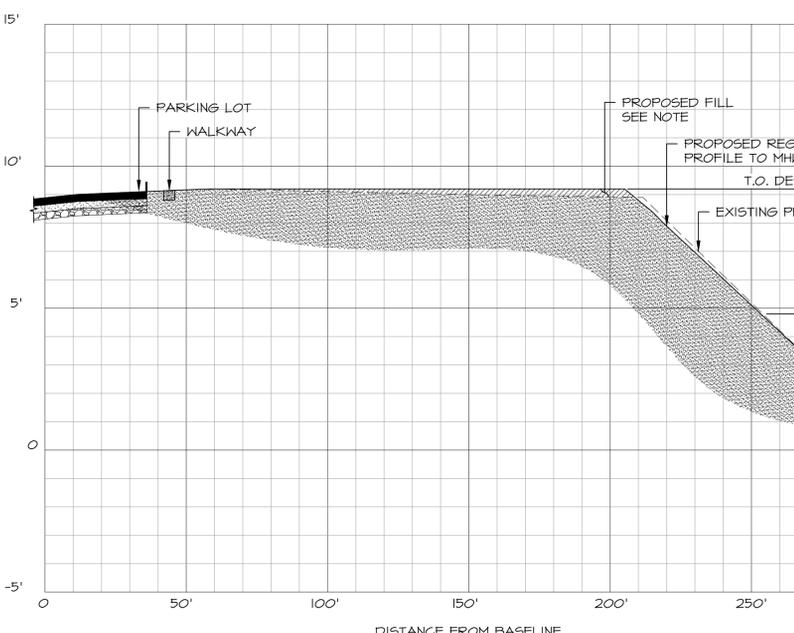
SECTION 2: STA 3+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



SECTION 4: STA 9+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



SECTION 6: STA 15+50

HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'

NOTE:
 1. DESIGN PROFILE REQUIRES 520± C.Y. OF IMPORTED SAND
 2. NO WORK SHALL BE PERFORMED BELOW MHH