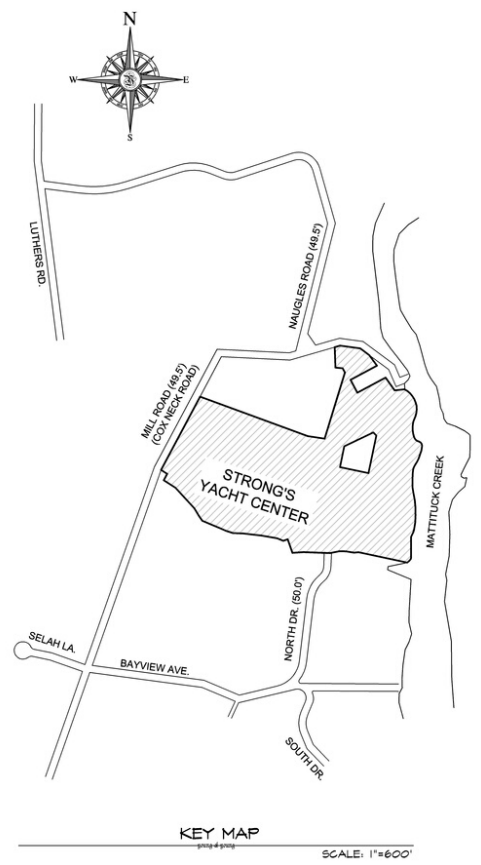
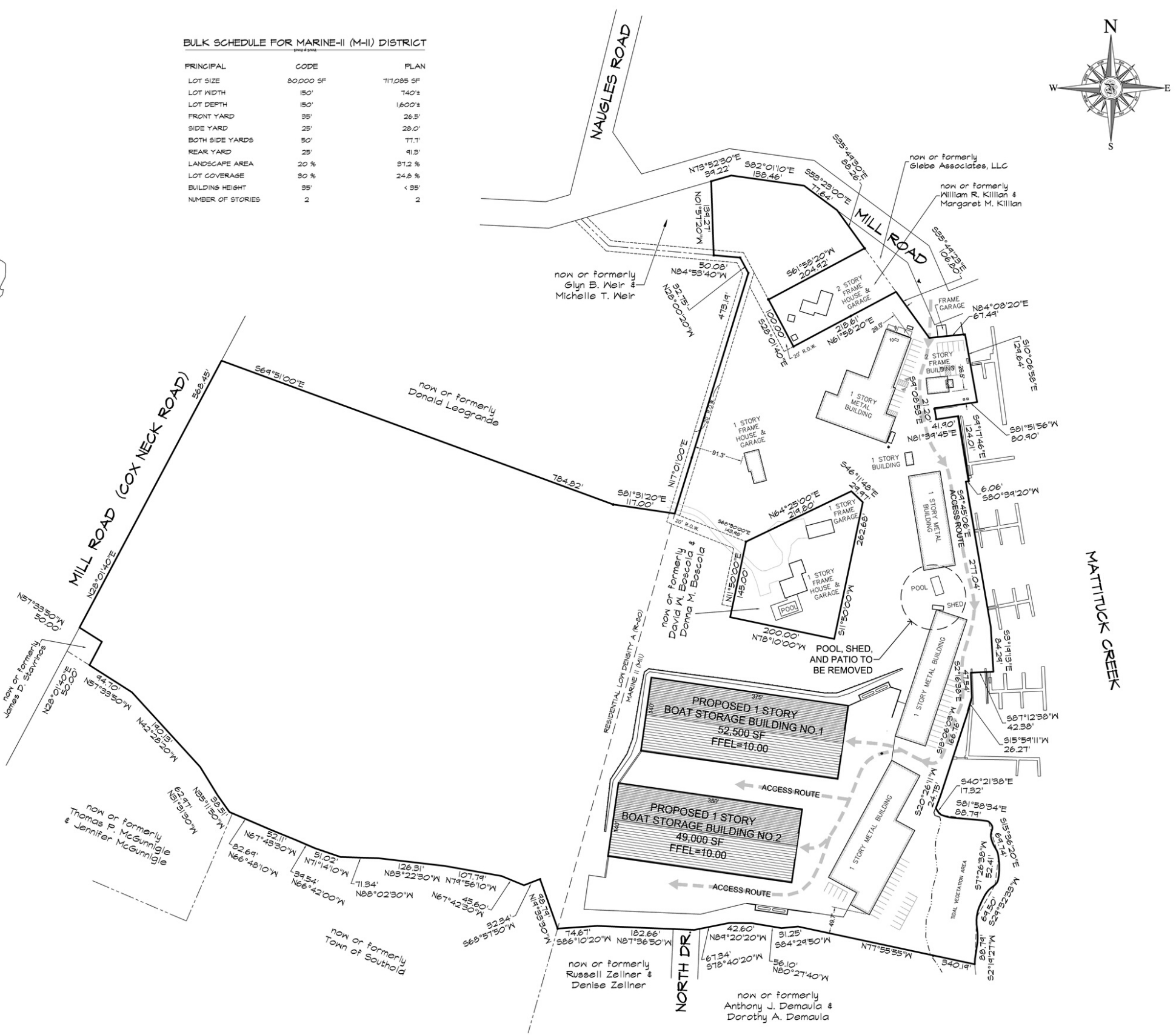


THIS DOCUMENT IS INTENDED TO BE USED AS A GUIDE TO THE LOCATION OF THE PROPOSED PROJECT. IT IS NOT TO BE USED TO CONVEY PROPERTY OR AS A BASIS FOR A CLAIM OF TITLE. THE LOCATION OF THE PROPOSED PROJECT IS NOT TO BE USED TO CONVEY PROPERTY OR AS A BASIS FOR A CLAIM OF TITLE. THE LOCATION OF THE PROPOSED PROJECT IS NOT TO BE USED TO CONVEY PROPERTY OR AS A BASIS FOR A CLAIM OF TITLE.



BULK SCHEDULE FOR MARINE-II (M-II) DISTRICT

PRINCIPAL	CODE	PLAN
LOT SIZE	80,000 SF	717,085 SF
LOT WIDTH	150'	740'±
LOT DEPTH	150'	1,600'±
FRONT YARD	35'	26.5'
SIDE YARD	25'	28.0'
BOTH SIDE YARDS	50'	71.1'
REAR YARD	25'	41.5'
LANDSCAPE AREA	20%	87.2%
LOT COVERAGE	50%	24.8%
BUILDING HEIGHT	35'	< 35'
NUMBER OF STORIES	2	2



DWG FILE: R:\2017\2017_2018\Map\1\2017_2018_01.dwg
 PLOT DATE: Feb 10, 2018 - 1:14pm
 PLOTTED BY:

STRONGS YACHT CENTER

□ = MONUMENT SET ■ = MONUMENT FOUND △ = STAKE SET ▲ = STAKE FOUND

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 Tel: 631.727.2809 Fax: 631.727.0144
 admin@youngengineering.com

Howard K. Young, Land Surveyor
 Thomas C. Wolpert, Professional Engineer
 Douglas E. Adams, Professional Engineer

Robert C. Tost, Architect
 Robert Stronski, Architect

SITE DATA

TOTAL AREA = 1,485,554 SF OR 32.4554 ACRES

ZONING USE DISTRICT = MARINE II (M-II)
 RESIDENTIAL LOW DENSITY A (R-80)

VERTICAL DATUM = NAVD 1985

(R-80) DISTRICT
 LOT AREA = 710,474 SF

(M-II) DISTRICT
 LOT AREA = 717,085 SF
 WETLANDS AREA = 27,993 SF
 BUILDABLE LANDS = 684,782 SF

EXISTING BUILDING AREA = 64,245 SF
 PROPOSED BUILDING AREA = 103,500 SF
 TOTAL BUILDING AREA = 171,424 SF

LOT COVERAGE = 170,745 SF / 684,782 SF = 24.8%

WOODS TO REMAIN = 6.1 ACRES
 LANDSCAPE AREA = 6.1 ACRES / 16.4 ACRES = 37.2%

NOTES

THIS MAP WAS MADE UTILIZING SURVEY PREPARED BY NATHAN TAFT CORWIN III, LAND SURVEYOR, DATED MAY 9, 2017.

ENGINEER'S CERTIFICATION

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HOWARD K. YOUNG, N.Y.S. L.S. NO. 45843
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847

SURVEYOR'S CERTIFICATION

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**BOAT STORAGE BUILDINGS
 STRONGS YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York

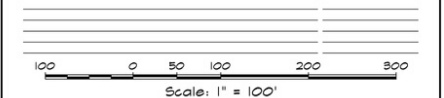
GENERAL LAYOUT

1000 106 06 10
 County Tax Map District 1000 Section 106 Block 06 Lot 13.4

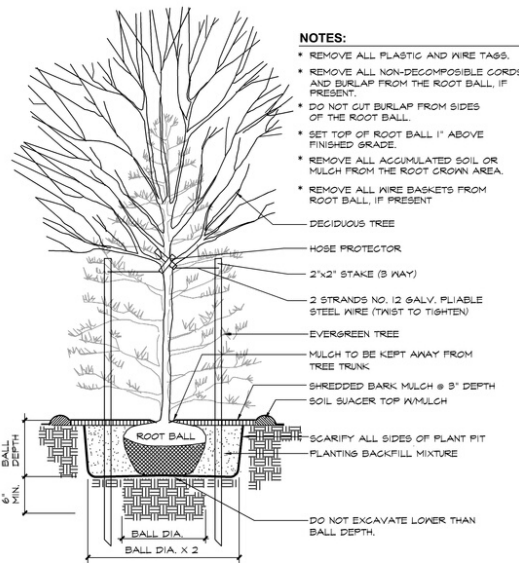
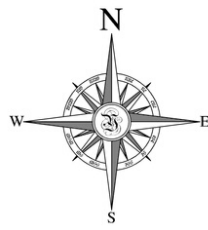
MAP PREPARED JUL. 09, 2016

Record of Revisions

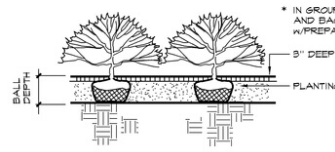
REVISION	DATE
TOS NYSDEC	NOV. 20, 2016
NYSDEC	JAN. 02, 2018
BOSCOLA RESIDENCE	FEB. 10, 2020



JOB NO. 2017-0165
 DWG. 2017_0165_site plan 1 OF 7

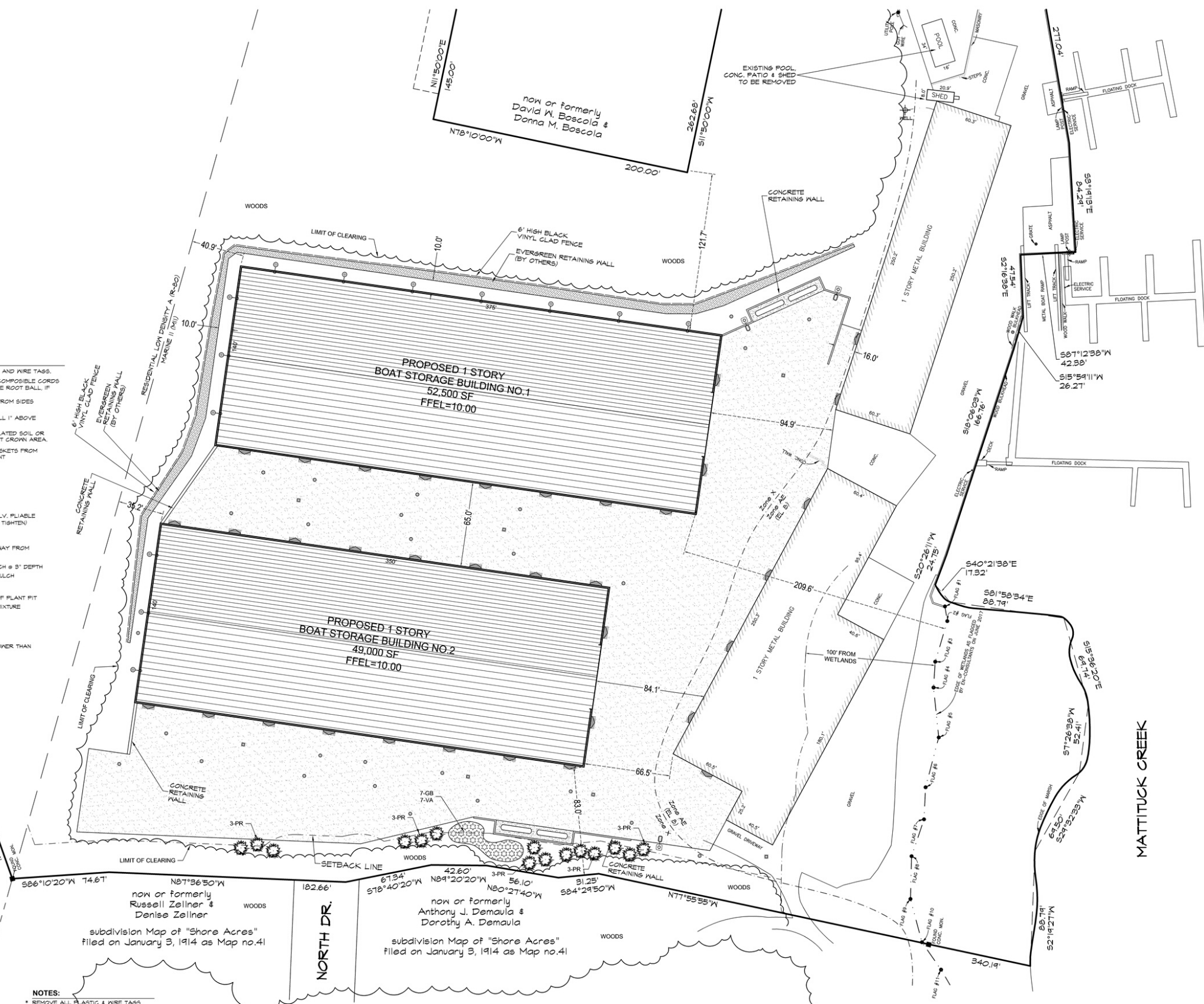


TYPICAL TREE PLANTING NTS



TYPICAL SHRUB PLANTING NTS

DATE: JUN 16, 2018 10:27am
 PLOTTED BY: JY
 DWG: 2017_0165_site plan



PLANTING SCHEDULE

	QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING
TREES	15	FR	FINIS RIGIDA	PITCH PINE	8" HT.	BIB	15' O.C.
SHRUBS	7	GB	GAYLUSSAGIA BACCATA	HUCKLEBERRY	5 GAL	CONT.	8' O.C.
	7	VA	VACCINIUM ANUSSTIFOLIUM	LOW BUSH BLUEBERRY	5 GAL	CONT.	8' O.C.

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 MONUMENT FOUND
 STAKE SET
 STAKE FOUND

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BOAT STORAGE BUILDINGS
STRONG'S YACHT CENTER
 at Mattituck, Town of Southold
 Suffolk County, New York

LANDSCAPE AND ALIGNMENT PLAN

1000 106 06 10
 County Tax Map District 1000 Section 106 Block 06 Lot 13.4

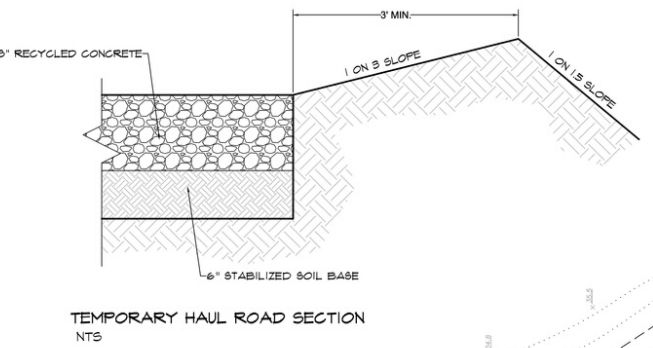
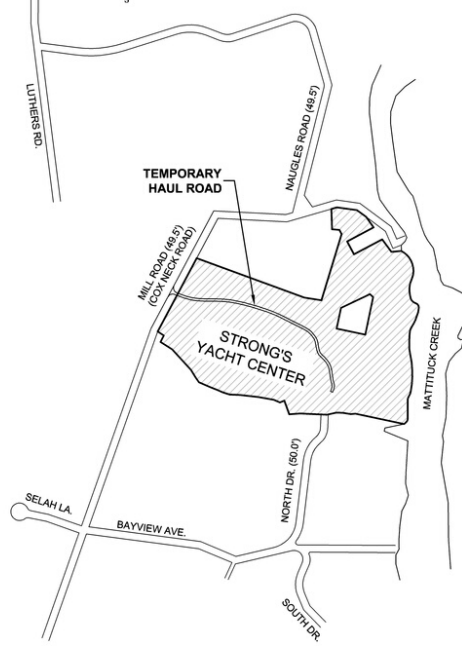
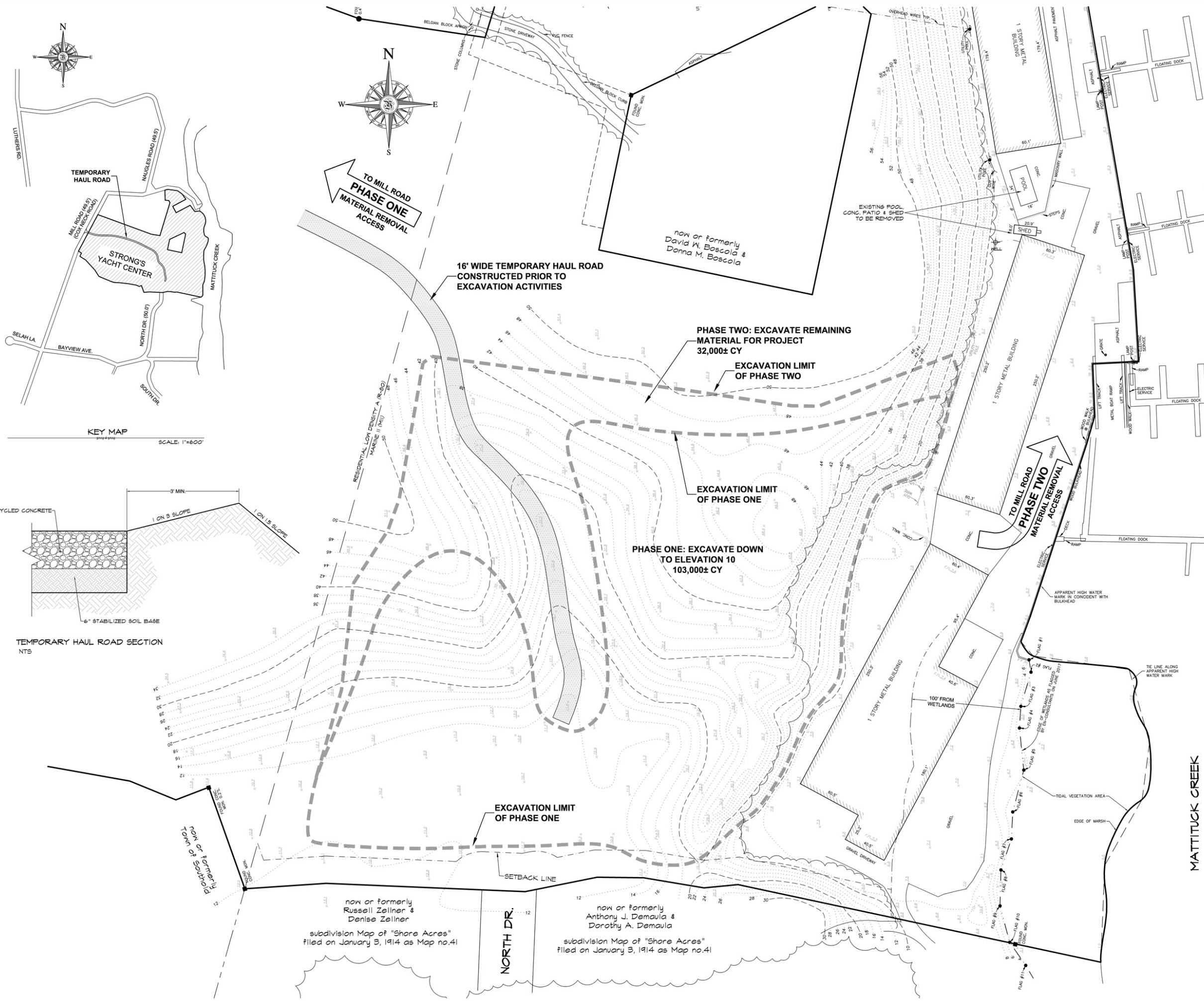
MAP PREPARED JUL. 09, 2018

REVISION Record of Revisions DATE

40 0 20 40 80 120
 Scale: 1" = 40'

JOB NO. 2017-0165
 DWG. 2017_0165_site plan 2 OF 6

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DWG FILE: R:\2017\2017_0165\Map\1\2017_0165_site plan.dwg
 PLOT DATE: Nov 05, 2016 - 9:53am
 PLOTTED BY: JY

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 admin@youngengineering.com

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 Douglas E. Adams, Professional Engineer
 Robert C. Tost, Architect
 Robert Stromski, Architect

EARTHWORK DATA

TOTAL EARTHWORK VOLUME = 134,421 CY (CUT)

NOTE:
 VOLUME(S) ARE UNADJUSTED.
 VOLUME(S) ARE CALCULATED UTILIZING COMPOSITE METHOD SURFACE COMPARISONS(S) GENERATED BY AUTOCAD TERRAIN MODELING SOFTWARE.

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**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York

EXCAVATION PHASING PLAN

County Tax Map District 1000 Section 106 Block 06 Lot 13.4
 MAP PREPARED OCT. 23, 2016

REVISION	Record of Revisions	DATE

Scale: 1" = 40'

JOB NO. 2017-0165
 DWG. 2017_0165_site plan 1 OF 1

DRAINAGE CRITERIA & CALCULATIONS

V = ARC
 V = VOLUME (CF)
 A = TRIBUTARY AREA (SF)
 R = RAIN FALL (IN)
 C = COEFFICIENT OF RUN OFF

TRIBUTARY AREA NO.1
 A = 86,847 SF

*** VOLUME REQUIRED:**
 ROOF: 26,250 SF x 2/12 x 1.00 = 4,375 CF
 GRASS: 60,747 SF x 2/12 x 0.10 = 1,012 CF
 TOTAL VOLUME REQUIRED = 5,387 CF

*** VOLUME PROVIDED:**
 USE FRENCH DRAIN 'A'
 18" PIPE: 1.76 SF x 460 LF = 810 CF
 GRAVEL: (6.44 SF x 460 LF) x 0.40 = 1,194 CF
 USE LEACHING FIELD 1.0
 (10) 10' DIA. x 5.00' DEEP POOLS = 3,421 CF
 TOTAL VOLUME PROVIDED = 5,425 CF

TRIBUTARY AREA NO.2
 A = 12,426 SF

*** VOLUME REQUIRED:**
 ROOF: 50,750 SF x 2/12 x 1.00 = 8,450 CF
 STONE: 21,680 SF x 2/12 x 0.80 = 2,168 CF
 TOTAL VOLUME REQUIRED = 10,618 CF

*** VOLUME PROVIDED:**
 USE LEACHING FIELD 2.0
 (34) 10' DIA. x 4.70' DEEP POOLS = 10,934 CF
 TOTAL VOLUME PROVIDED = 10,934 CF

TRIBUTARY AREA NO.3
 A = 61,021 SF

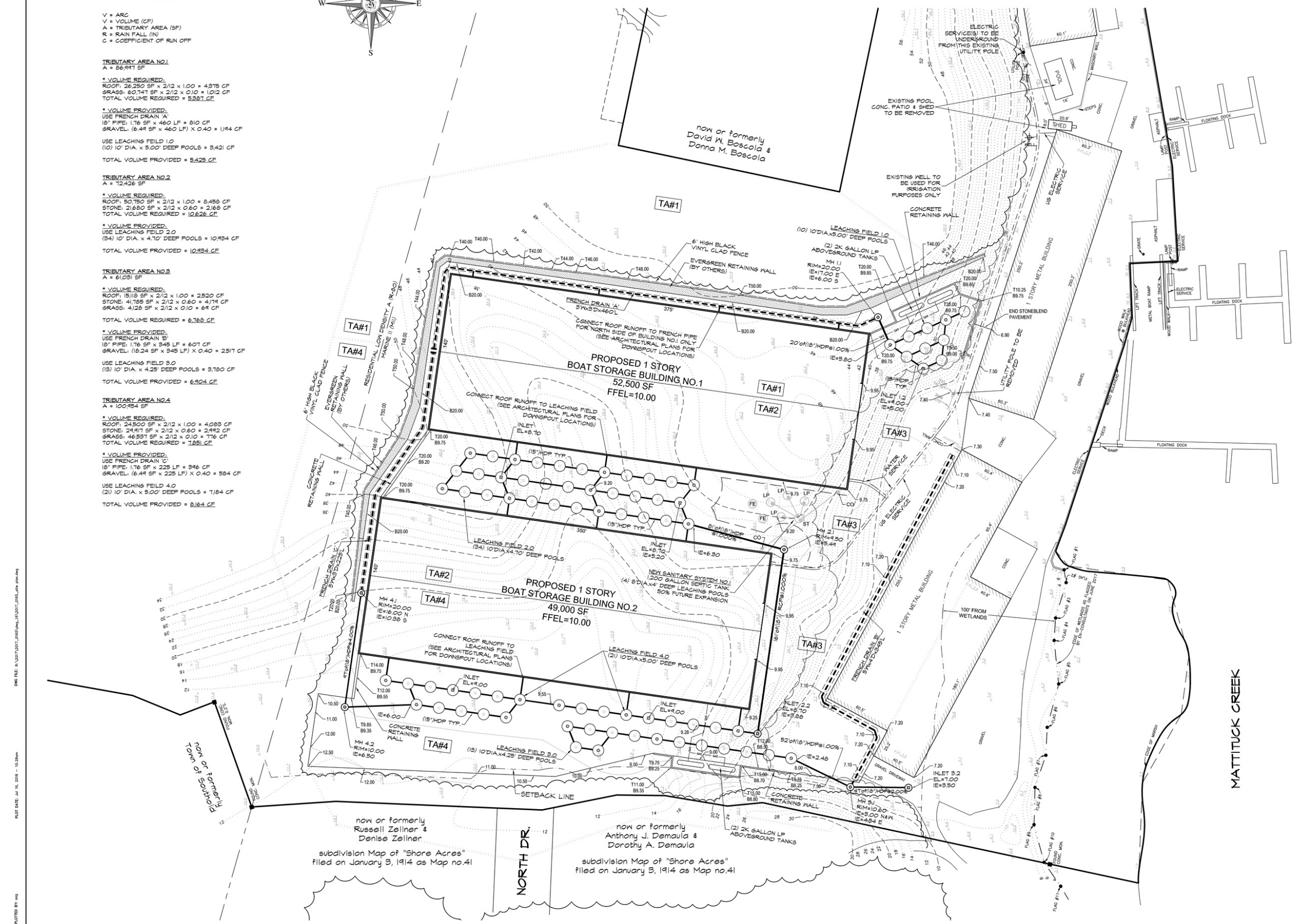
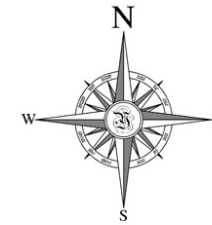
*** VOLUME REQUIRED:**
 ROOF: 15,110 SF x 2/12 x 1.00 = 2,520 CF
 STONE: 41,788 SF x 2/12 x 0.80 = 4,714 CF
 GRASS: 4,123 SF x 2/12 x 0.10 = 61 CF
 TOTAL VOLUME REQUIRED = 7,295 CF

*** VOLUME PROVIDED:**
 USE FRENCH DRAIN 'B'
 18" PIPE: 1.76 SF x 345 LF = 607 CF
 GRAVEL: (8.24 SF x 345 LF) x 0.40 = 2,317 CF
 USE LEACHING FIELD 3.0
 (13) 10' DIA. x 4.25' DEEP POOLS = 3,760 CF
 TOTAL VOLUME PROVIDED = 6,684 CF

TRIBUTARY AREA NO.4
 A = 100,954 SF

*** VOLUME REQUIRED:**
 ROOF: 24,500 SF x 2/12 x 1.00 = 4,083 CF
 STONE: 25,917 SF x 2/12 x 0.80 = 2,942 CF
 GRASS: 46,537 SF x 2/12 x 0.10 = 776 CF
 TOTAL VOLUME REQUIRED = 7,801 CF

*** VOLUME PROVIDED:**
 USE FRENCH DRAIN 'C'
 18" PIPE: 1.76 SF x 225 LF = 396 CF
 GRAVEL: (6.44 SF x 225 LF) x 0.40 = 584 CF
 USE LEACHING FIELD 4.0
 (2) 10' DIA. x 5.00' DEEP POOLS = 1,184 CF
 TOTAL VOLUME PROVIDED = 8,164 CF



DWG FILE: R:\2017\2017_0165_Site\17_0165_Site.dwg
 PLOT DATE: Jul 16, 2018 - 10:25am
 PLOTTED BY: jay

MONUMENT SET
 MONUMENT FOUND
 STAKE SET
 STAKE FOUND

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 THOMAS C. POLPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 8084T

SURVEYOR'S CERTIFICATION

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HOWARD K. YOUNG, N.Y.S. L.S. NO. 45893A

BOAT STORAGE BUILDINGS
STRONG'S YACHT CENTER
 at Mattituck, Town of Southold
 Suffolk County, New York

GRADING & DRAINAGE PLAN

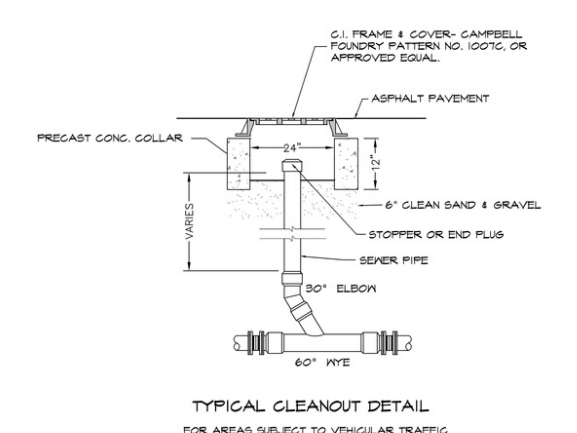
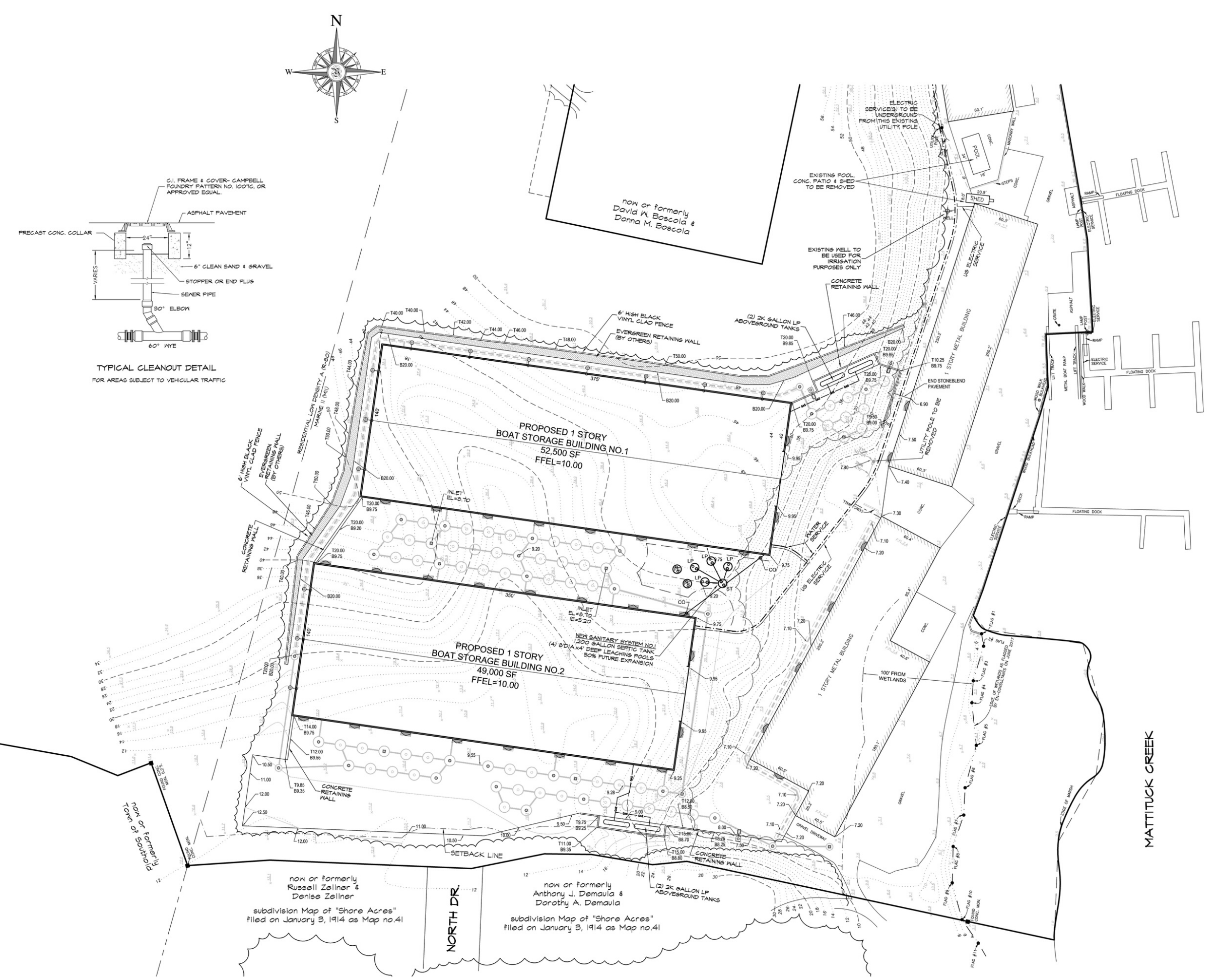
1000	106	06	10
County Tax Map	District 1000	Section 106	Block 06 Lot 13.4
MAP PREPARED	JUL 09, 2018		

REVISION

REVISION	Record of Revisions	DATE

Scale: 1" = 40'
 JOB NO. 2017-0165
 DWG. 2017_0165_Site plan
 3 OF 6

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 PLOT DATE: Jul 16, 2018 - 10:28am
 PLOTTED BY: jay

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SANITARY DESIGN CRITERIA & CALCULATIONS

SEWAGE DESIGN CRITERIA	
GROUNDWATER MANAGEMENT ZONE	= ZONE IV
METHOD OF WATER SUPPLY	= PUBLIC
ALLOWABLE SANITARY FLOW	= 600 GPD/ACRE
16.4620 AC x 600 GPD/AC	= 9,871 GPD
PROJECT DENSITY SEWAGE FLOW	
RESIDENCE	= 500 GPD
OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
STORAGE: 66,171 SF @ 0.04 GPD/SF	= 2,645 GPD
NEW BOAT STORAGE: 101,500 SF @ 0.04 GPD/SF	= 4,060 GPD
TOTAL DENSITY	= 7,567 GPD
DESIGN CALCULATIONS SANITARY SYSTEM NO. 1	
STORAGE: 66,171 SF @ 0.04 GPD/SF	= 2,645 GPD
NEW BOAT STORAGE: 101,500 SF @ 0.04 GPD/SF	= 4,060 GPD
TOTAL DENSITY	= 6,705 GPD
SEPTIC TANK	
REQ. 6,705 GPD x 2 DAYS	= 13,410 GAL.
USE 1 TANK 8' DIA. x 4' LIQUID DEPTH	= 1,200 GAL.*
LEACHING	
REQ. 6,705 GPD / 15 GPD/S.F.	= 447.0 SFS/KA
USE 4 POOLS 8' DIA. x 4' DEEP POOLS	= 400 SFS/KA*
* RESTRICTIVE COVENANTS TO BE RECORDED ON THE PARCEL TO REDUCE THE DESIGN FLOW.	
DESIGN CALCULATIONS SANITARY SYSTEM NO. 2	
OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
TOTAL PROPOSED DESIGN FLOW	= 562 GPD
SEPTIC TANK	
REQ. 562 GPD x 2 DAYS	= 1,124 GAL.
USE 1 TANK 8' DIA. x 4' LIQUID DEPTH	= 1,200 GAL.
LEACHING	
LEACHING GALLEY SIZE:	
4.75'W x 8.50'L x 150" DEEP = 34.75 SFS/KA	
REQ. 562 GPD / 15 GPD/S.F.	= 375 SFS/KA
USE 10 GALLEYS @ 34.75 SFS/KA EA.	= 347.5 SFS/KA

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STRONG'S YACHT CENTER
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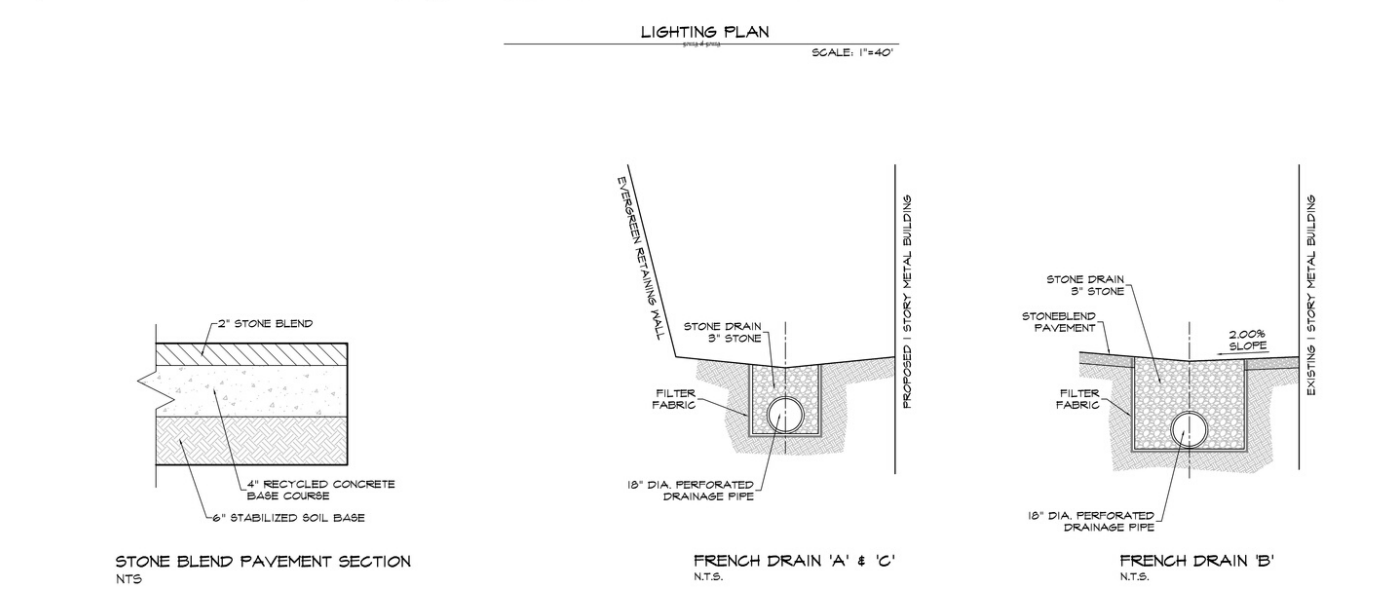
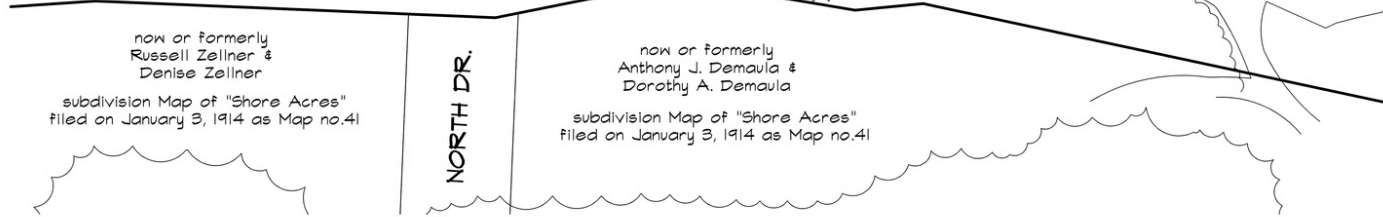
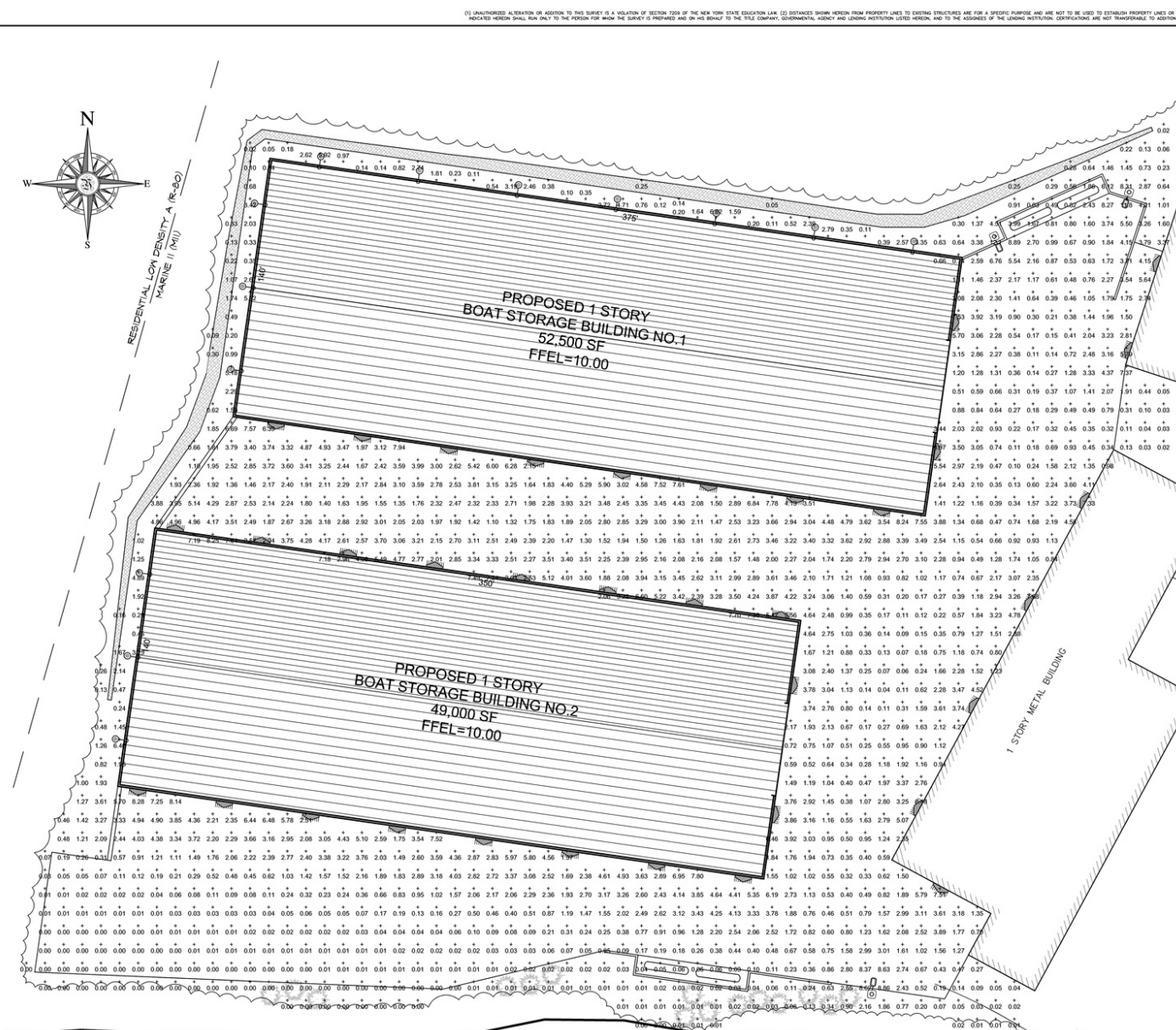
UTILITY PLAN

1000 106 06 10
 County Tax Map District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED JUL 09, 2018

REVISION	Record of Revisions	DATE

Scale: 1" = 40'
 JOB NO. 2017-0165
 DWG. 2017_0165_site plan 4 OF 6



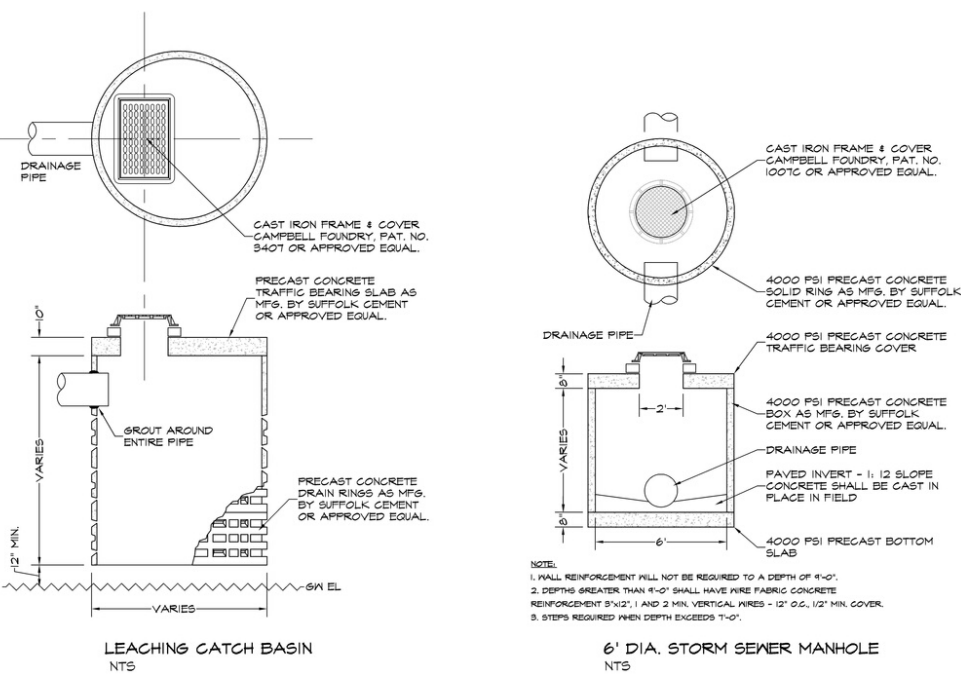
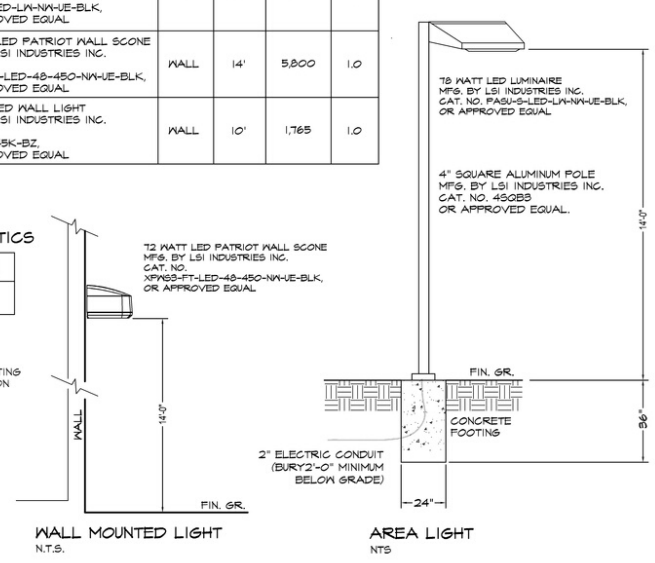
LIGHTING SCHEDULE

SYMBOL	QTY.	LUMINAIRE	TYPE	HST.	LUMENS	L.L.F.
⊙	9	T8 WATT LED LUMINAIRE MFG. BY LSI INDUSTRIES INC. CAT. NO. PAS-S-LED-LN-NH-UE-BLK. OR APPROVED EQUAL	AREA	14'	1,950	1.0
⊐	36	T2 WATT LED PATRIOT WALL SCENE MFG. BY LSI INDUSTRIES INC. CAT. NO. XPWES-PT-LED-48-480-NH-UE-BLK. OR APPROVED EQUAL	WALL	14'	5,800	1.0
○	18	T8 WATT LED WALL LIGHT MFG. BY LSI INDUSTRIES INC. CAT. NO. PLS-DW-48K-BZ. OR APPROVED EQUAL	WALL	10'	1,765	1.0

FOOTCANDLE STATISTICS

MIN.	MAX.	AVG.
0.00	12.14	1.74

LIGHTING NOTES
 ALL PROPOSED OUTDOOR LIGHTING FIXTURES SHALL BE SHIELDED ON THE TOPS AND SIDES AND DIRECTED STRAIGHT DOWN.



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 at Mattituck, Town of Southold
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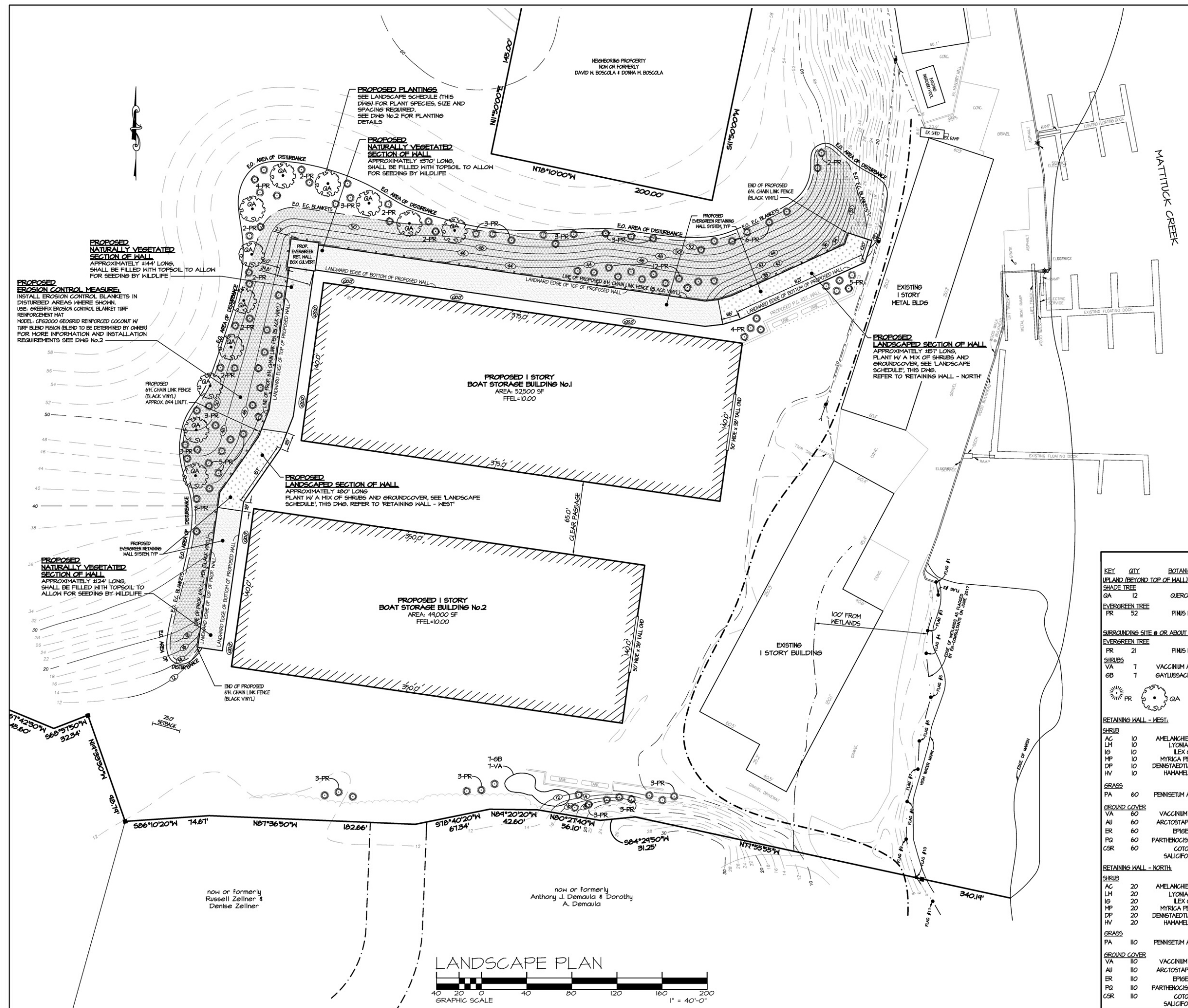
DETAILS

County Tax Map District 1000 Section 106 Block 06 Lot 13.4
 MAP PREPARED JUL. 09, 2018

REVISION Record of Revisions DATE

Scale: AS SHOWN

JOB NO. 2017-0165
 DWG. 2017_0165_site plan 6 OF 6



HATCH LEGEND:

- SECTION OF WALL TO BE NATURALLY VEGETATED AND FILLED WITH TOP SOIL
- SECTION OF WALL TO BE LANDSCAPED AND FILLED WITH TOP SOIL

EROSION CONTROL BLANKET:
GREENFIX EROSION CONTROL BLANKET TURF REINFORCEMENT MAT
MODEL: CF62000 GEORGRID REINFORCED COCONUT
1/4" TURF BLEND FUSION (BLEND TO BE DETERMINED BY OWNER)

BLANKETS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND E.C. BLANKET DETAILS (THIS DWG)

PROPOSED APPROXIMATE BLANKET GROUND COVER = 43,600 SQ.FT.



LANDSCAPE SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
WELAND (BEYOND TOP OF WALL):					
GA	12	QUERCUS ALBA	WHITE OAK	4" MIN. GAL.	40' O.C.
FR	52	PINUS RIGIDA	PITCH PINE	4'-5" MIN.	15' O.C.
SURROUNDING SITE @ OR ABOUT BUILDING ELEVATION:					
EVERGREEN TREE					
FR	21	PINUS RIGIDA	PITCH PINE	4'-5" MIN.	15' O.C.
SHRUBS					
VA	7	VACCINIUM ANGSTIFOLIUM	LOWBUSH BLUEBERRY	5 GAL. CONTAINER	8' O.C.
GB	7	GATULSAGIA BACCATA	HUCKLEBERRY	5 GAL. CONTAINER	8' O.C.
RETAINING WALL - WEST:					
SHRUB					
AC	10	AMELANGHER CANADENSIS	SHADBUSH	2-3 GAL. CONTAINER MIN.	4' O.C.
LM	10	LYONIA MARIANA	STAGGERBUSH	2-3 GAL. CONTAINER MIN.	4' O.C.
IG	10	ILEX GLABRA	INKBERRY	2-3 GAL. CONTAINER MIN.	4' O.C.
MP	10	MYRICA PENNSYLVANICA	BAYBERRY	2-3 GAL. CONTAINER MIN.	4' O.C.
DP	10	DENNSTAEDTIA PUNCTILOBULA	HAY SCENTED FERN	2-3 GAL. CONTAINER MIN.	4' O.C.
HV	10	HAMAMELIS VIRGINICA	WITCH HAZEL	2-3 GAL. CONTAINER MIN.	4' O.C.
GRASS					
PA	60	PENNISETUM ALOPECUROIDES	DWARF FOUNTAIN GRASS	2 GAL. CONTAINER	
GROUND COVER					
VA	60	VACCINIUM ANGSTIFOLIUM	LOWBUSH BLUEBERRY	1 GAL. CONTAINER	2' O.C.
AU	60	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	1 GAL. CONTAINER	2' O.C.
ER	60	EPIGEA REPENS	TRAILING ARBUTUS	1 GAL. CONTAINER	2' O.C.
FG	60	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL. CONTAINER	2' O.C.
CSR	60	COTONEASTER SALICIFOLIUS REPENS	HILLOLEAF COTONEASTER	1 GAL. CONTAINER	2' O.C.
RETAINING WALL - NORTH:					
SHRUB					
AC	20	AMELANGHER CANADENSIS	SHADBUSH	2-3 GAL. CONTAINER MIN.	4' O.C.
LM	20	LYONIA MARIANA	STAGGERBUSH	2-3 GAL. CONTAINER MIN.	4' O.C.
IG	20	ILEX GLABRA	INKBERRY	2-3 GAL. CONTAINER MIN.	4' O.C.
MP	20	MYRICA PENNSYLVANICA	BAYBERRY	2-3 GAL. CONTAINER MIN.	4' O.C.
DP	20	DENNSTAEDTIA PUNCTILOBULA	HAY SCENTED FERN	2-3 GAL. CONTAINER MIN.	4' O.C.
HV	20	HAMAMELIS VIRGINICA	WITCH HAZEL	2-3 GAL. CONTAINER MIN.	4' O.C.
GRASS					
PA	110	PENNISETUM ALOPECUROIDES	DWARF FOUNTAIN GRASS	2 GAL. CONTAINER	
GROUND COVER					
VA	110	VACCINIUM ANGSTIFOLIUM	LOWBUSH BLUEBERRY	1 GAL. CONTAINER	2' O.C.
AU	110	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	1 GAL. CONTAINER	2' O.C.
ER	110	EPIGEA REPENS	TRAILING ARBUTUS	1 GAL. CONTAINER	2' O.C.
FG	110	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL. CONTAINER	2' O.C.
CSR	110	COTONEASTER SALICIFOLIUS REPENS	HILLOLEAF COTONEASTER	1 GAL. CONTAINER	2' O.C.

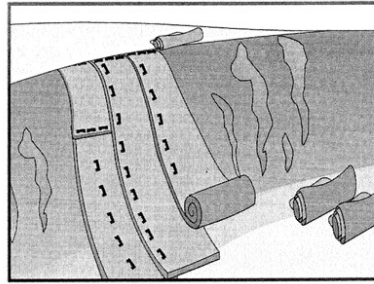
JEFFREY T. BUTLER, P.E., P.C.
P.O. BOX 634
SHOREHAM, NEW YORK
TEL.: 631.208.0650 FAX: 631.727.8033

PROPOSED LANDSCAPE PLAN FOR:
STRONG'S MARINE
MATTITUCK, NY
S.C.T.M. No.: 1000-106-06-10 #13.4
COUNTY OF SUFFOLK
JOB No.: 190016
DATE: 5/2/18

TOWN OF SOUTHLID
DRAWN BY: RAC
APPROVED BY: JTB

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EROSION CONTROL BLANKETS



Description and Purpose

Mattings of natural materials are used to cover the soil surface to reduce erosion from rainfall impact, hold soil in place, and absorb and hold moisture near the soil surface. Additionally, matting may be used to stabilize soils until vegetation is established.

Implementation

Material Selection

Organic matting materials have been found to be effective where re-vegetation will be provided by re-seeding. The choice of matting should be based on the size of area, side slopes, surface conditions such as hardness, moisture, weed growth, and availability of materials.

Erosion Control Blankets/Mats

- Biodegradable rolled erosion control products (RECPs) are typically composed of jute fibers, curled wood fibers, straw, coconut fiber, or a combination of these materials. In order for an RECP to be considered 100% biodegradable, the netting, sewing or adhesive system that holds the biodegradable mulch fibers together must also be biodegradable.

- Jute is a natural fiber that is made into a yarn that is loosely woven into a biodegradable mesh. It is designed to be used in conjunction with vegetation and has longevity of approximately one year. The material is supplied in rolled strips, which should be secured to the soil with U-shaped staples or stakes in accordance with manufacturers' recommendations.

Site Preparation

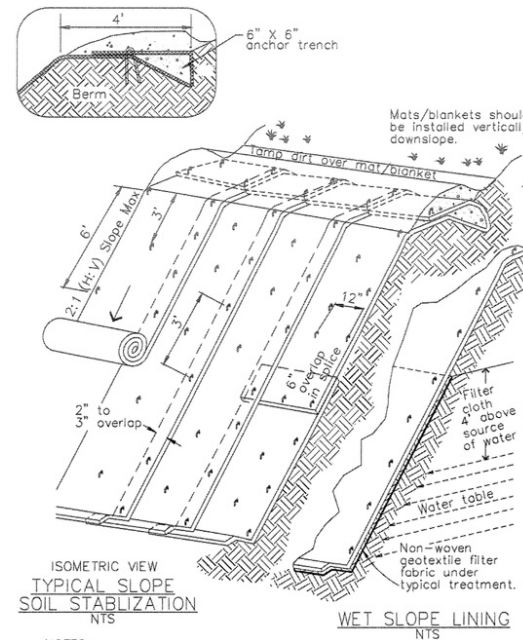
- Proper site preparation is essential to ensure complete contact of the blanket or matting with the soil.
 - Grade and shape the area of installation.
- Remove all rocks, clods, vegetation or other obstructions so that the installed blankets or mats will have complete, direct contact with the soil.
- Prepare seedbed by loosening 2 to 3 in. of topsoil.

Laying and Securing Matting

- Before laying the matting, all check slots should be installed and the friable seedbed made free from clods, rocks, and roots. The surface should be compacted and finished according to the requirements of the manufacturer's recommendations.
- Mechanical or manual lay down equipment should be capable of handling full rolls of fabric and laying the fabric smoothly without wrinkles or folds. The equipment should meet the fabric manufacturer's recommendations or equivalent standards.

Anchoring

- U-shaped wire staples, metal geotextile stake pins, or triangular wooden stakes can be used to anchor mats and blankets to the ground surface.
- Wire staples should be made of minimum 11 gauge steel wire and should be U-shaped with 8 in. legs and 2 in. crown.
- Metal stake pins should be 0.188 in. diameter steel with a 1.5 in. steel washer at the head of the pin, and 8 in. in length.
- Wire staples and metal stakes should be driven flush to the soil surface.



NOTES:
 1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
 2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

Installation on Slopes

Installation should be in accordance with the manufacturer's recommendations. In general, these will be as follows:

- Begin at the top of the slope and anchor the blanket in a 6 in. deep by 6 in. wide trench. Backfill trench and tamp earth firmly.
- Unroll blanket down slope in the direction of water flow.
- Overlap the edges of adjacent parallel rolls 2 to 3 in. and staple every 3 ft.
- When blankets must be spliced, place blanket end over end (shingle style) with 6 in. overlap. Staple through overlapped area, approximately 12 in. apart.
- Lay blankets loosely and maintain direct contact with the soil. Do not stretch.
- Staple blankets sufficiently to anchor blanket and maintain contact with the soil. Staples should be placed down the center and staggered with the staples placed along the edges. Steep slopes, 1:1 (H:V) to 2:1 (H:V), require a minimum of 2 staples/yd². Moderate slopes, 2:1 (H:V) to 3:1 (H:V), require a minimum of 1 1/2 staples/yd².

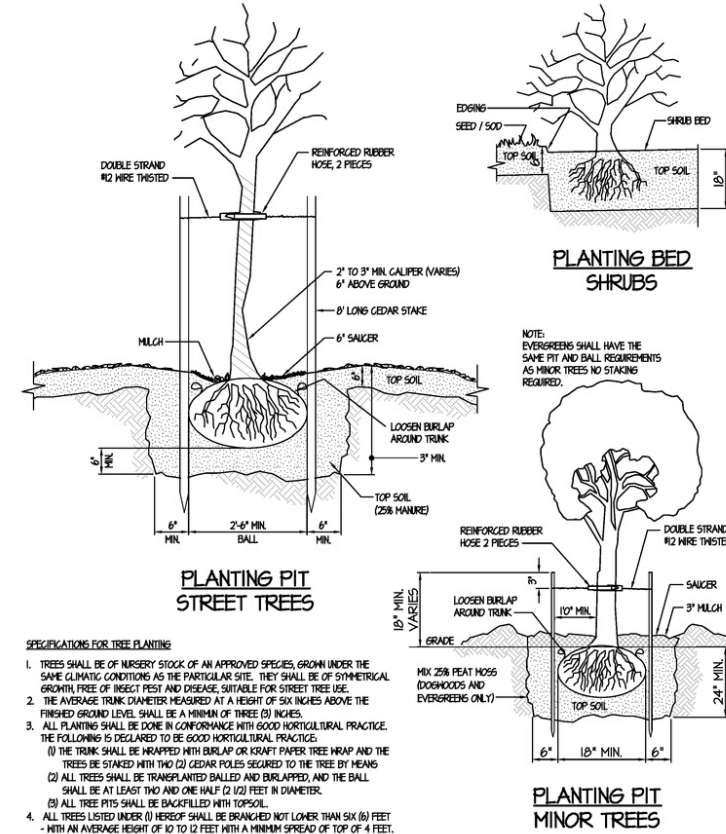


EROSION CONTROL BLANKET

GREENFIX EROSION CONTROL BLANKET TURF REINFORCEMENT MAT
 MODEL: GF62000 GEOTEXTILE REINFORCED COCONUT
 W/ TURF BLEND FUSION BLEND TO BE DETERMINED BY OWNER

BLANKETS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND E.C. BLANKET DETAILS (THIS DWG)

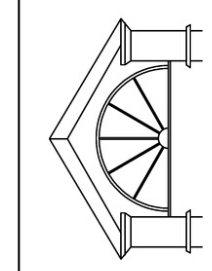
PROPOSED APPROXIMATE BLANKET GROUND COVER = 35/600 SQ.FT.



SPECIFICATIONS FOR TREE PLANTING

- TREES SHALL BE OF NURSERY STOCK OF AN APPROVED SPECIES GROWN UNDER THE SAME CLIMATIC CONDITIONS AS THE PARTICULAR SITE. THEY SHALL BE OF SYMMETRICAL GROWTH FREE OF INSECT PEST AND DISEASE, SUITABLE FOR STREET TREE USE.
- THE AVERAGE TRUNK DIAMETER MEASURED AT A HEIGHT OF SIX INCHES ABOVE THE FINISHED GROUND LEVEL SHALL BE A MINIMUM OF THREE (3) INCHES.
- ALL PLANTING SHALL BE DONE IN CONFORMANCE WITH GOOD HORTICULTURAL PRACTICE. THE FOLLOWING IS DECLARED TO BE GOOD HORTICULTURAL PRACTICE:
 - (A) THE TRUNK SHALL BE WRAPPED WITH BURLAP OR KRAFT PAPER TREE WRAP AND THE TREES BE STAKED WITH TWO (2) CEDAR POLES SECURED TO THE TREE BY HEADS
 - (B) ALL TREES SHALL BE TRANSPLANTED BALLED AND BURLAPPED, AND THE BALL SHALL BE AT LEAST TWO AND ONE HALF (2 1/2) FEET IN DIAMETER.
 - (C) ALL TREE PITS SHALL BE BACKFILLED WITH TOPSOIL.
- ALL TREES LISTED UNDER (B) HEREOF SHALL BE BRANCHED NOT LOWER THAN SIX (6) FEET WITH AN AVERAGE HEIGHT OF 10 TO 12 FEET WITH A MINIMUM SPREAD OF TOP OF 4 FEET.

REVISIONS

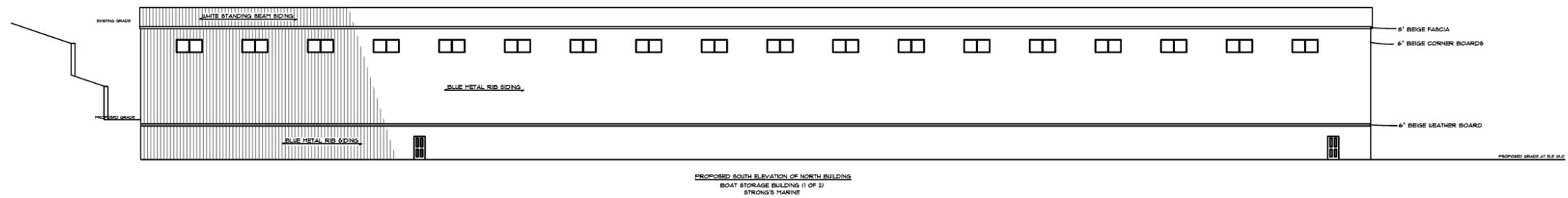


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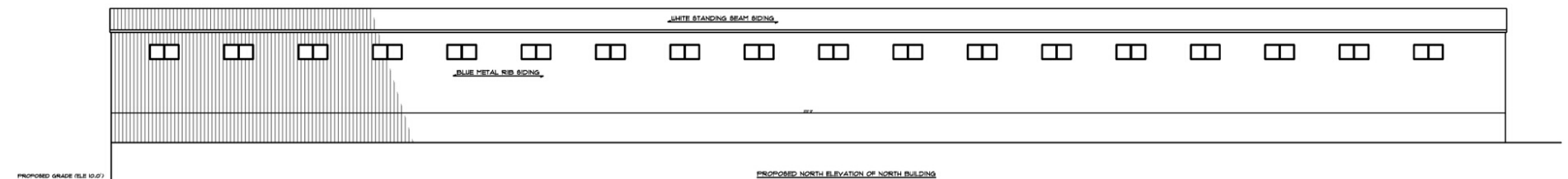
ENGINEER:
 JEFFREY T. BUTLER, P.E.

DETAILS FOR: STRONG'S MARINE MATTITUCK, NY S.C.T.M. No.: 1000-106-06-10 #13.4	TOWN OF SOUTHBOLD DRAWN BY: RAC
COUNTY OF SUFFOLK JOB No.: 180016	DATE: 04-15-2019
APPROVED BY: JTB	

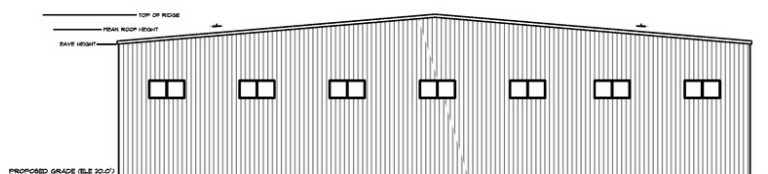
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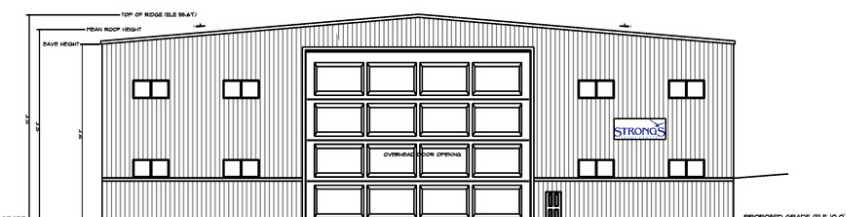
PROPOSED SOUTH ELEVATION OF NORTH BUILDING
BOAT STORAGE BUILDING (1 OF 2)
STRONG'S MARINE



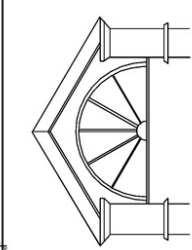
PROPOSED NORTH ELEVATION OF NORTH BUILDING
BOAT STORAGE BUILDING (1 OF 2)
STRONG'S MARINE



PROPOSED WEST ELEVATION OF NORTH BUILDING
BOAT STORAGE BUILDING (1 OF 2)
STRONG'S MARINE



PROPOSED EAST ELEVATION OF NORTH BUILDING
BOAT STORAGE BUILDING (1 OF 2)
STRONG'S MARINE



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NEW YORK 11786
631.208.8850 631.727.8033 (FAX)

PROJECT:
**STRONG'S MARINE
PROPOSED STORAGE BUILDING
NORTH BUILDING**

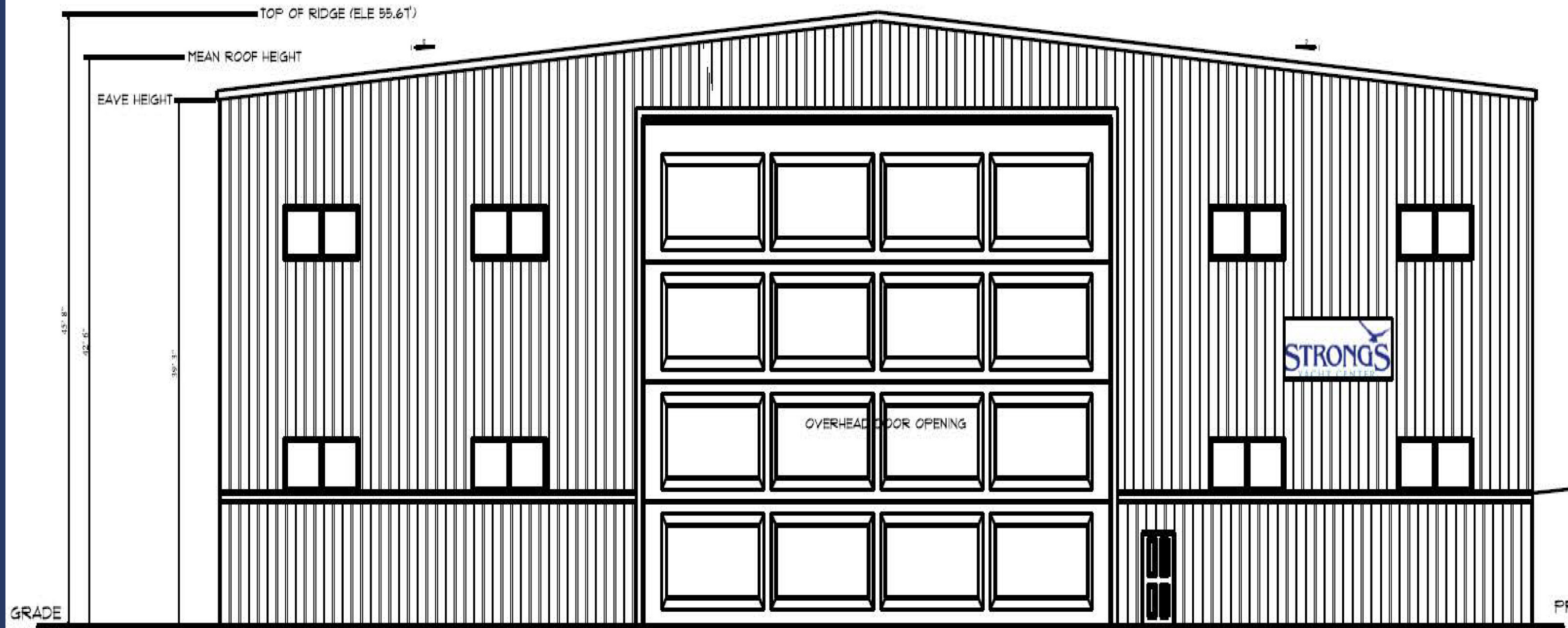
BUILDING ELEVATIONS

SEAL & SIGNATURE

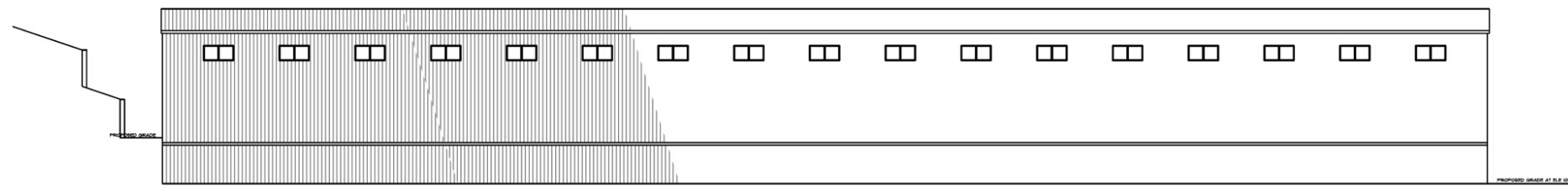
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PROJECT No: 1800XX
DRAWING BY: DC
CHK BY: JTB
DWG No:

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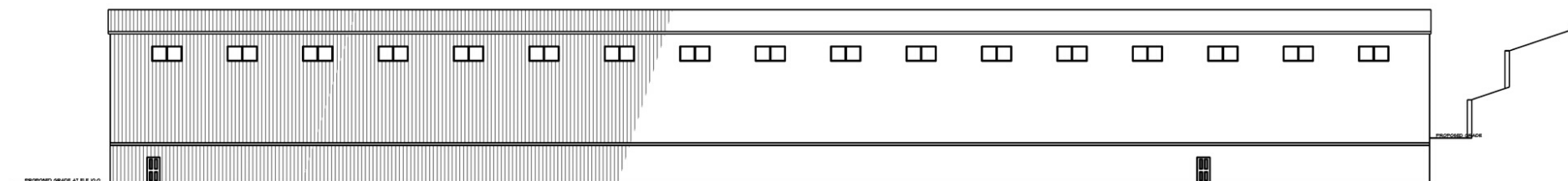
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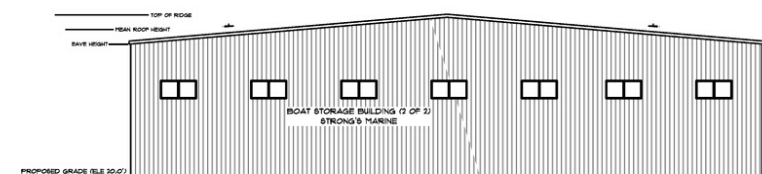
PROPOSED EAST ELEVATION OF NORTH BUILDING
 BOAT STORAGE BUILDING (1 OF 2)
 STRONG'S MARINE



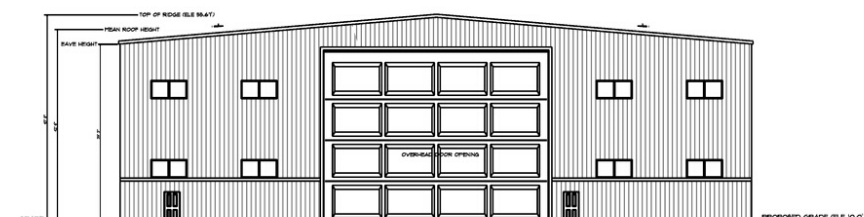
PROPOSED SOUTH ELEVATION OF SOUTH BUILDING
BOAT STORAGE BUILDING (2 OF 2)
STRONG'S MARINE



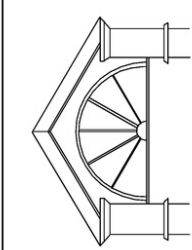
PROPOSED NORTH ELEVATION OF SOUTH BUILDING
BOAT STORAGE BUILDING (2 OF 2)
STRONG'S MARINE



PROPOSED WEST ELEVATION OF SOUTH BUILDING
BOAT STORAGE BUILDING (2 OF 2)
STRONG'S MARINE



PROPOSED EAST ELEVATION OF SOUTH BUILDING
BOAT STORAGE BUILDING (2 OF 2)
STRONG'S MARINE



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NEW YORK 11786
631.208.8850 631.721-8033 (FAX)

PROJECT:
**STRONG'S MARINE
PROPOSED STORAGE BUILDING
SOUTH BUILDING**

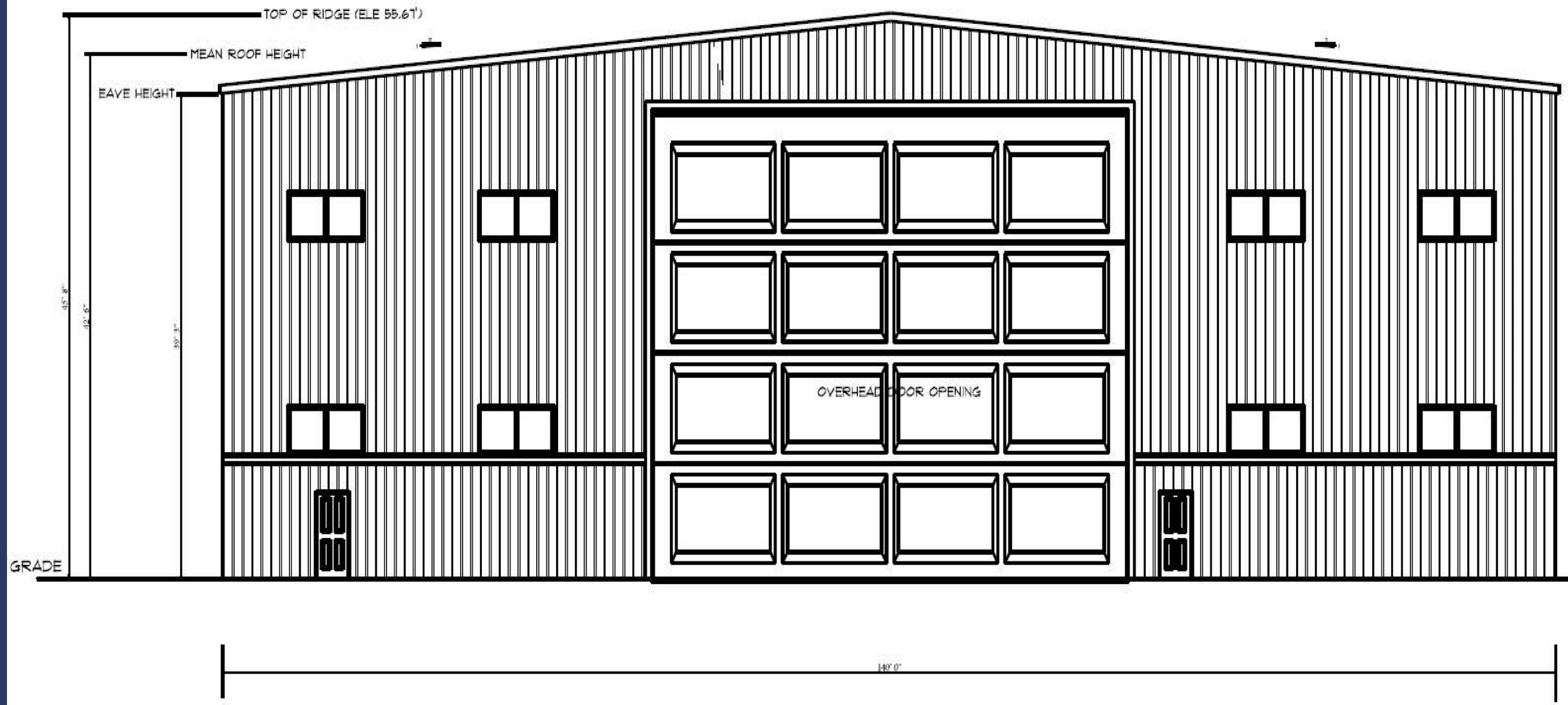
BUILDING ELEVATIONS

SEAL & SIGNATURE

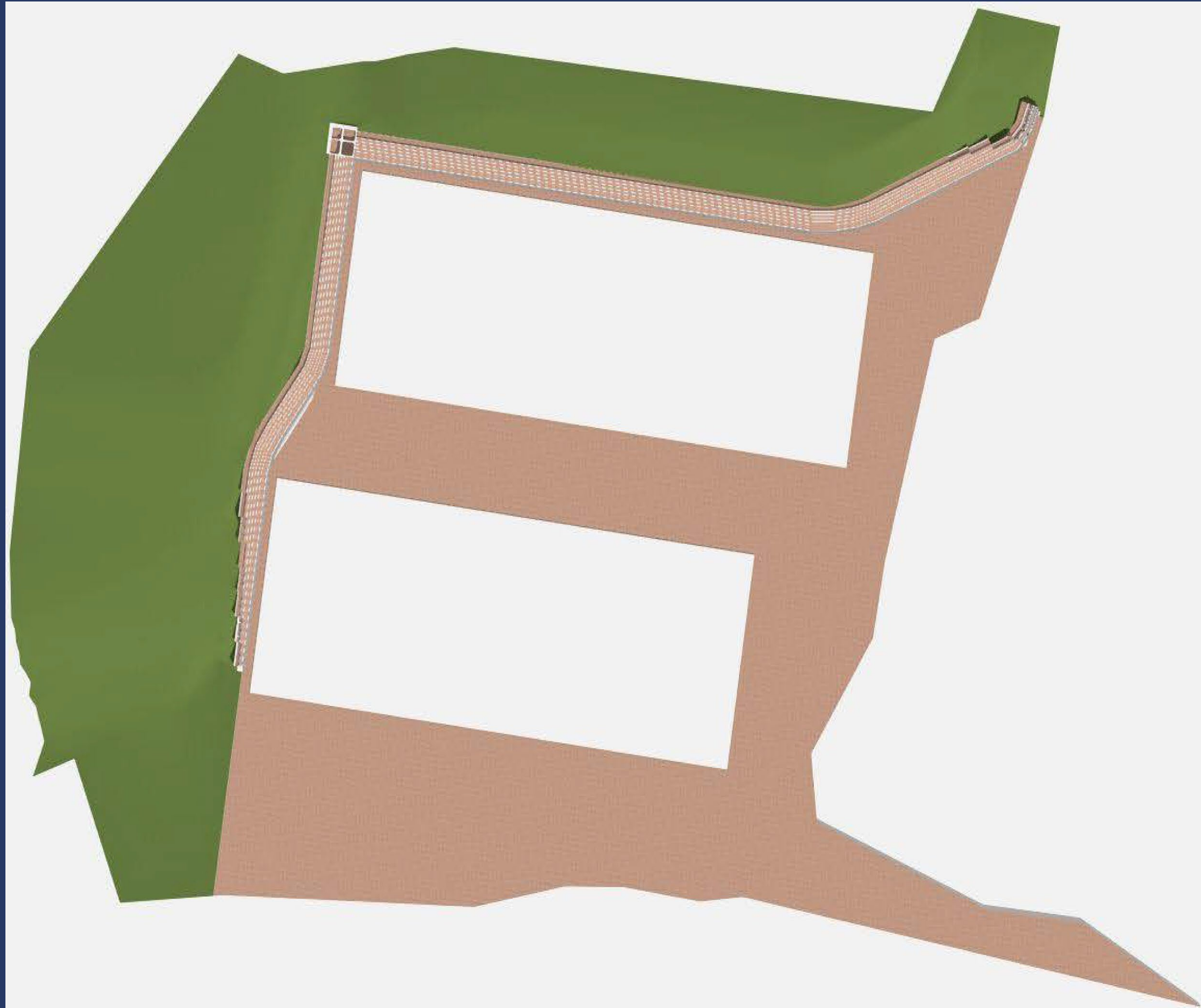
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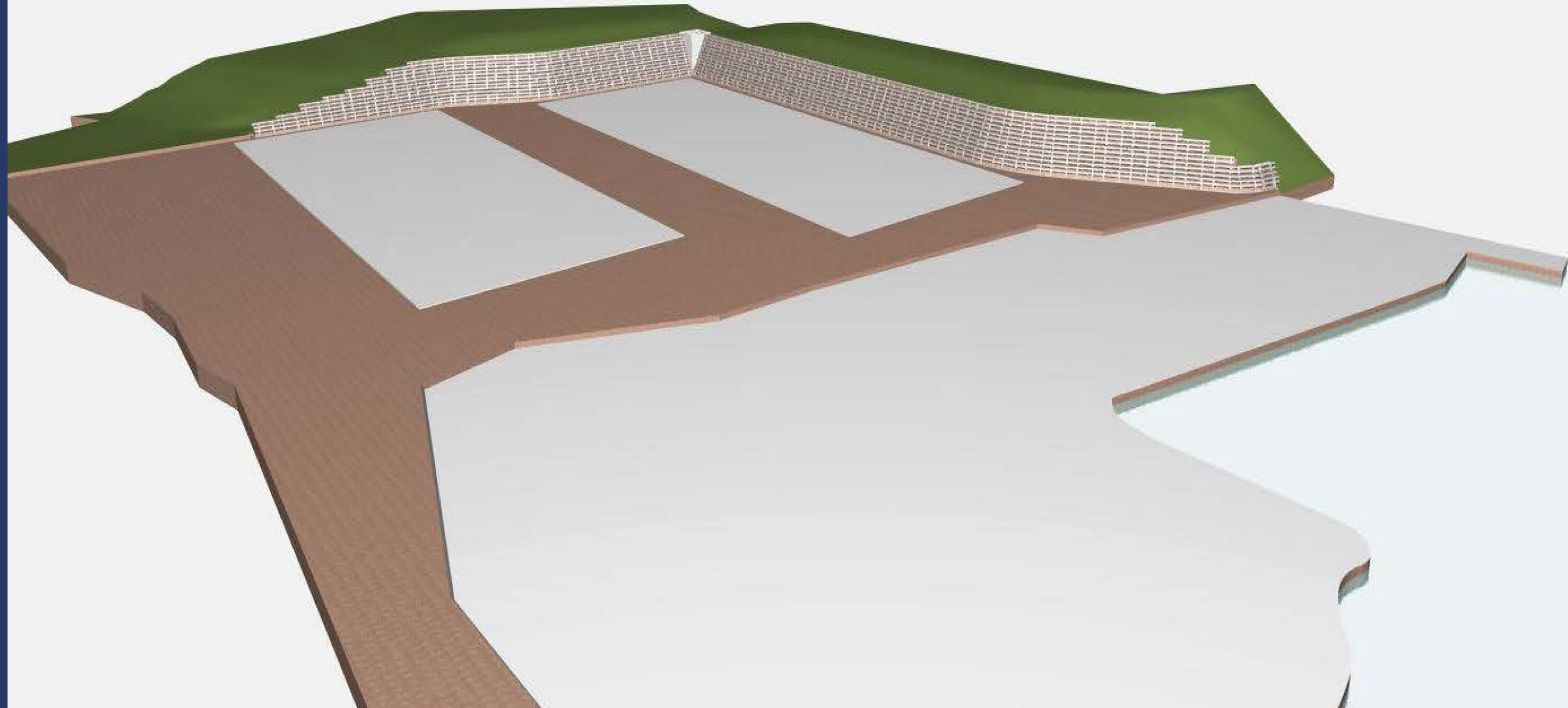
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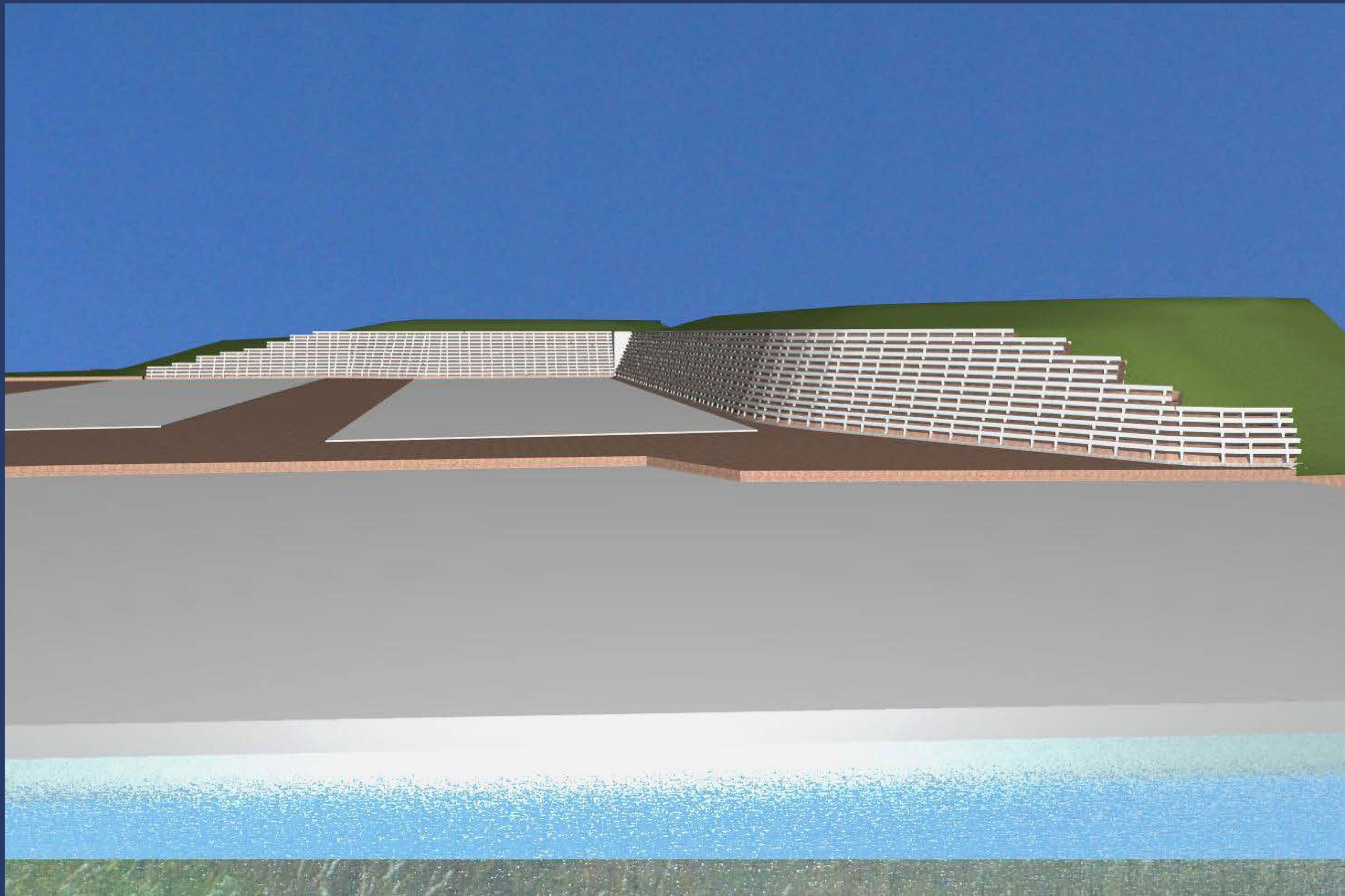
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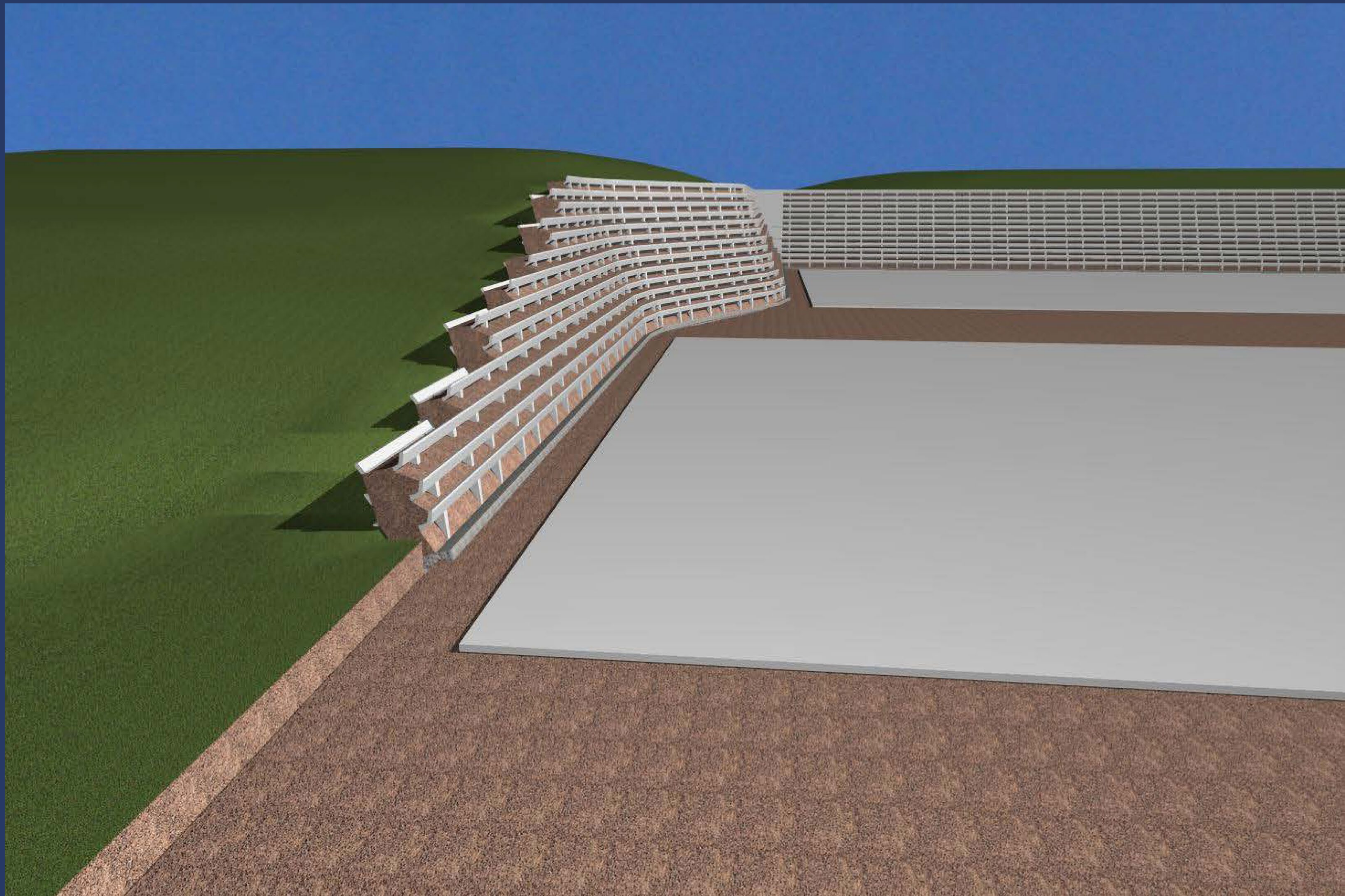


PROPOSED EAST ELEVATION OF SOUTH BUILDING
BOAT STORAGE BUILDING (2 OF 2)
STRONG'S MARINE

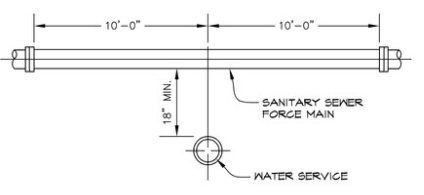
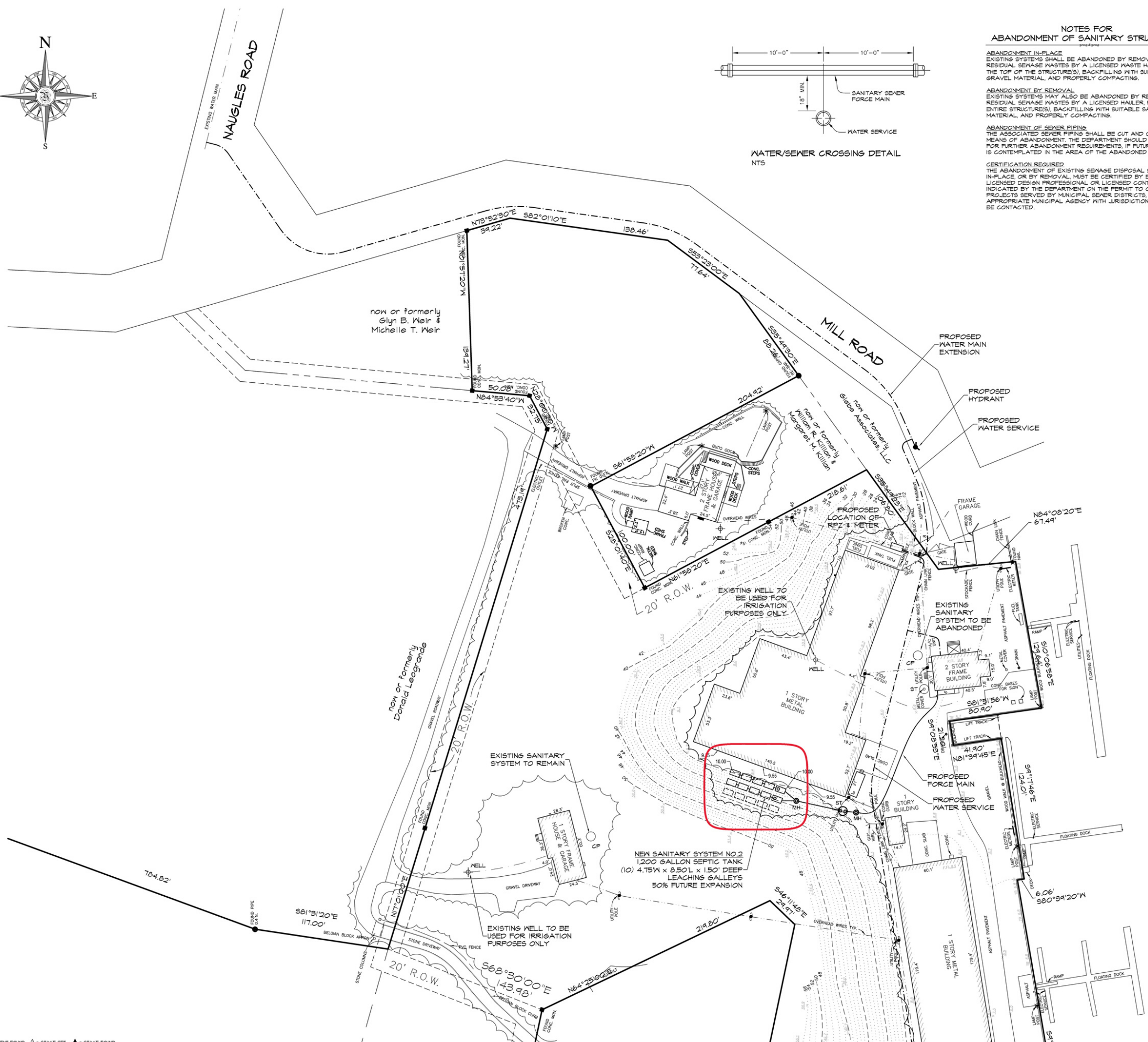
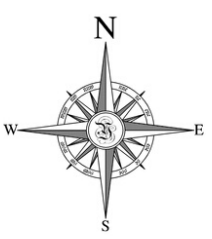








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WATER/SEWER CROSSING DETAIL
NTS

NOTES FOR ABANDONMENT OF SANITARY STRUCTURES

ABANDONMENT IN-PLACE
EXISTING SYSTEMS SHALL BE ABANDONED BY REMOVING ALL RESIDUAL SEWAGE PASTES BY A LICENSED WASTE HAULER, REMOVING THE TOP OF THE STRUCTURE(S), BACKFILLING WITH SUITABLE SAND AND GRAVEL MATERIAL, AND PROPERLY COMPACTING.

ABANDONMENT BY REMOVAL
EXISTING SYSTEMS MAY ALSO BE ABANDONED BY REMOVING ALL RESIDUAL SEWAGE PASTES BY A LICENSED HAULER, REMOVING THE ENTIRE STRUCTURE(S), BACKFILLING WITH SUITABLE SAND AND GRAVEL MATERIAL, AND PROPERLY COMPACTING.

ABANDONMENT OF SEWER PIPING
THE ASSOCIATED SEWER PIPING SHALL BE CUT AND GAPPED AS A MEANS OF ABANDONMENT. THE DEPARTMENT SHOULD BE CONTACTED FOR FURTHER ABANDONMENT REQUIREMENTS, IF FUTURE CONSTRUCTION IS CONTEMPLATED IN THE AREA OF THE ABANDONED SEPTIC SYSTEM.

CERTIFICATION REQUIRED
THE ABANDONMENT OF EXISTING SEWAGE DISPOSAL SYSTEMS, EITHER IN-PLACE OR BY REMOVAL, MUST BE CERTIFIED BY EITHER A LICENSED DESIGN PROFESSIONAL OR LICENSED CONTRACTOR AS INDICATED BY THE DEPARTMENT ON THE PERMIT TO CONSTRUCT. FOR PROJECTS SERVED BY MUNICIPAL SEWER DISTRICTS, THE APPROPRIATE MUNICIPAL AGENCY WITH JURISDICTION SHOULD ALSO BE CONTACTED.

400 Ostrander Avenue, Riverhead, New York 11801
tel. 631.727.2809 Fax. 631.727.0144
admin@youngengineering.com

Young & Young

Howard K. Young, Land Surveyor
Thomas C. Polpert, Professional Engineer
Douglas E. Adams, Professional Engineer

Robert C. Tost, Architect
Robert Stronksi, Architect

SANITARY DESIGN CRITERIA & CALCULATIONS

SEWAGE DESIGN CRITERIA

GROUNDWATER MANAGEMENT ZONE	= ZONE IV
METHOD OF WATER SUPPLY	= PUBLIC
ALLOWABLE SANITARY FLOW	= 600 GPD/ACRE
16.4620 AC x 600 GPD/AC	= 9,877 GPD

PROJECT DENSITY SEWAGE FLOW

RESIDENCE	= 500 GPD
OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
STORAGE: 66,171 SF @ 0.04 GPD/SF	= 2,645 GPD
NEW BOAT STORAGE: 101,500 SF @ 0.04 GPD/SF	= 4,060 GPD
TOTAL DENSITY	= 7,567 GPD

DESIGN CALCULATIONS SANITARY SYSTEM NO. 1

STORAGE: 66,171 SF @ 0.04 GPD/SF	= 2,645 GPD
NEW BOAT STORAGE: 101,500 SF @ 0.04 GPD/SF	= 4,060 GPD
TOTAL DENSITY	= 6,705 GPD

SEPTIC TANK
REQ. 6,705 GPD x 2 DAYS
USE 1 TANK 8' DIA. x 4' LIQUID DEPTH = 1,840 GAL.
= 1,200 GAL.*

LEACHING
REQ. 6,705 GPD / 15 GPD/S.F.
USE 4 POOLS 8' DIA. x 4' DEEP POOLS = 4,470 SF/EA
= 400 SF/EA*

* RESTRICTIVE COVENANTS TO BE RECORDED ON THE PARCEL TO REDUCE THE DESIGN FLOW.

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2

OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
TOTAL PROPOSED DESIGN FLOW	= 562 GPD

SEPTIC TANK
REQ. 562 GPD x 2 DAYS
USE 1 TANK 8' DIA. x 4' LIQUID DEPTH = 1,124 GAL.
= 1,200 GAL.

LEACHING
LEACHING GALLEY SIZE:
4.75'W x 8.50'L x 1.50' DEEP = 34.75 SF/EA
REQ. 562 GPD / 15 GPD/S.F.
USE 10 GALLEYS @ 34.75 SF/EA EA. = 548 SF/EA

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE WATER SUPPLY(S) AND/OR SEWAGE DISPOSAL SYSTEM(S) FOR THIS PROJECT WERE DESIGNED BY ME OR UNDER MY DIRECTION, BASED UPON A CAREFUL AND THOROUGH STUDY OF THE SOIL, SITE AND GROUNDWATER CONDITIONS, ALL LOTS AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

HOWARD K. YOUNG, N.Y.S. L.S. NO. 45843
THOMAS C. POLPERT, N.Y.S. P.E. NO. 61483
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80841

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS MAP WAS PREPARED UTILIZING BOUNDARY AND TOPOGRAPHICAL SURVEYS MADE BY US AND/OR UNDER OUR DIRECTION.

HOWARD K. YOUNG, N.Y.S. L.S. NO. 45843

**BOAT STORAGE BUILDINGS
STRONG'S YACHT CENTER**
at Mattituck, Town of Southold
Suffolk County, New York

UTILITY PLAN

1000 106 06 10
County Tax Map District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED JUL. 09, 2018

REVISION	Record of Revisions	DATE

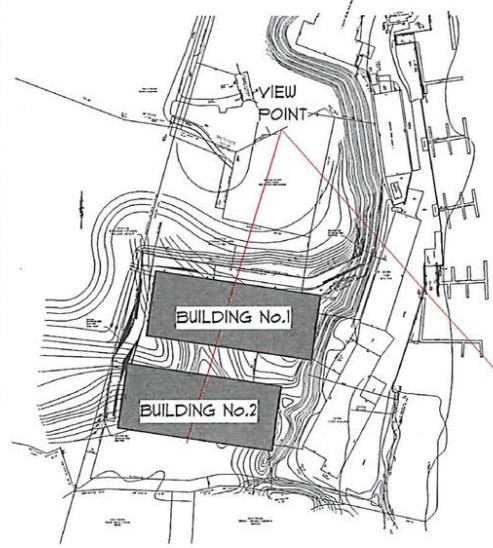
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JOB NO. 2017-0165
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PRINT DATE: Jul 03, 2018 - 3:30pm

PLotted by: rjg

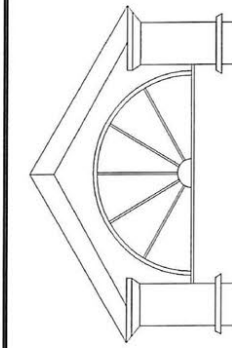
□ = MONUMENT SET ■ = MONUMENT FOUND △ = STAKE SET ▲ = STAKE FOUND



VIEW LOOKING SOUTH EAST AT ELEV.: 60' +/-

NOTES:

1. ALL RENDERINGS, COLOR SCHEMES, FLOOR PLANS, MAPS AND DISPLAYS ARE ARTISTS' CONCEPTIONS AND ARE NOT INTENDED TO BE AN ACTUAL DEPICTION OF THE PROJECT OR ITS SURROUNDINGS. ACTUAL POSITION OF THE PROJECT ON THE PROPERTY WILL BE DETERMINED BY THE APPROVED SITE PLAN.
2. EXISTING BUILDINGS SHADED FOR REFERENCE.



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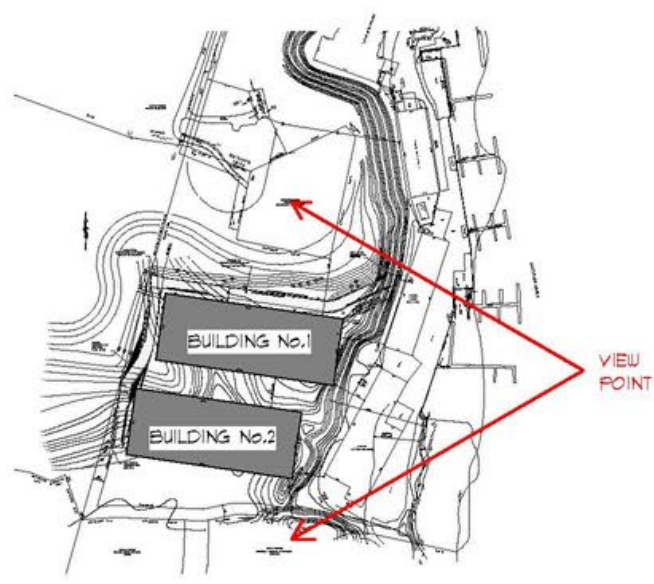
PERSPECTIVE

STRONG'S YACHT CENTER
 5780 WEST MILL ROAD
 MATTITUCK, NY

JOB NO.:	180016	DRAWN BY:	TL
DATE:	2/20/2020	APPROVED BY:	DB

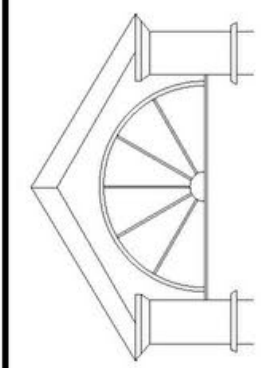
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VIEW FROM EAST

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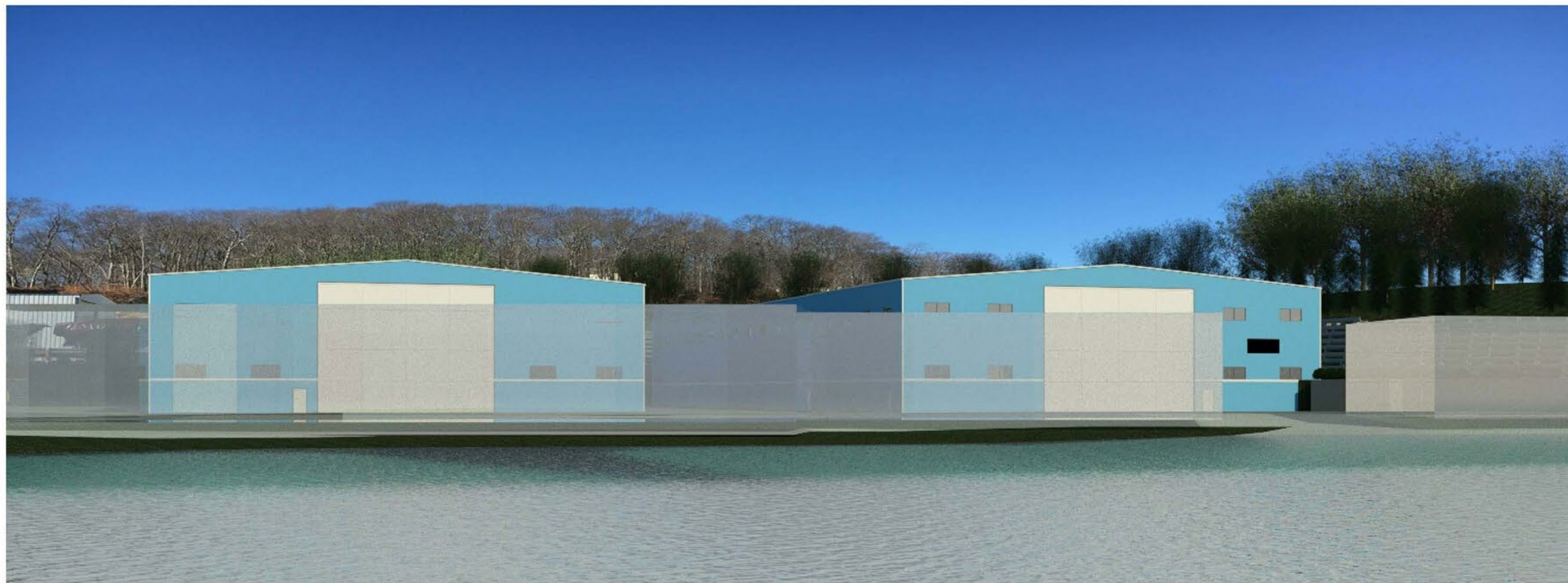
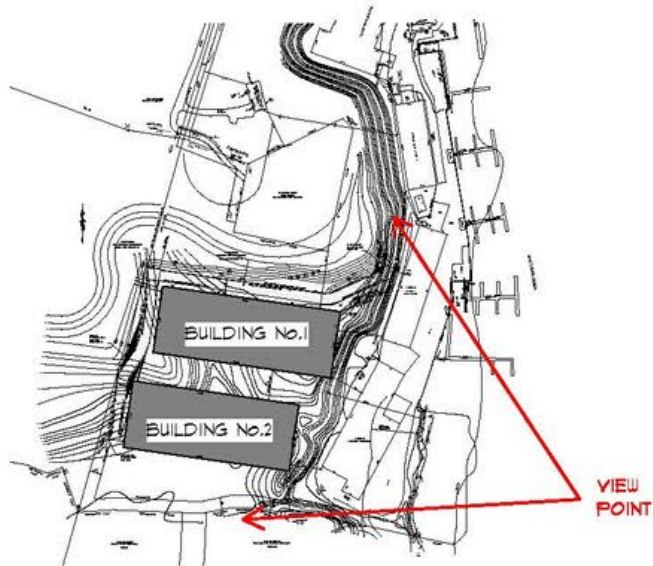
PERSPECTIVE

STRONG'S YACHT CENTER
 5180 WEST MILL ROAD
 MATTITUCK, NY

JOB NO.:	180016	DRAWN BY:	TL
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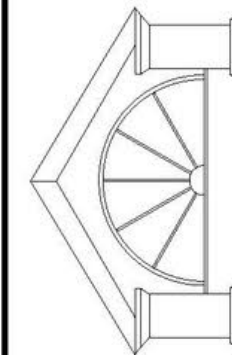
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VIEW FROM SOUTHEAST

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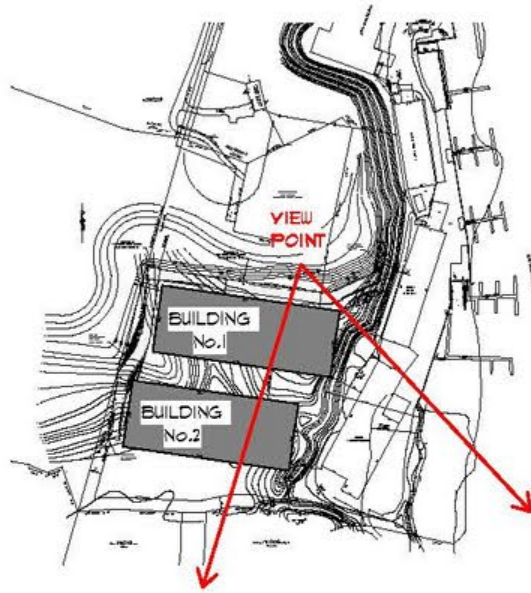
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PERSPECTIVE

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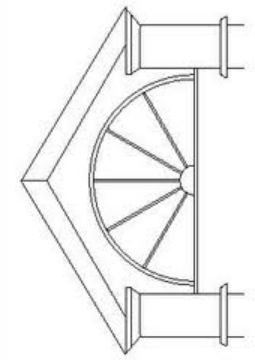
VIEW LOOKING SOUTHEAST

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#5 7

12" = 1'-0"



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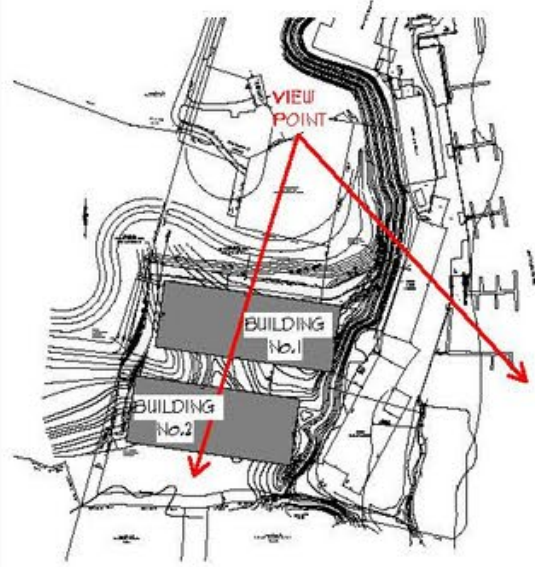
PERSPECTIVES

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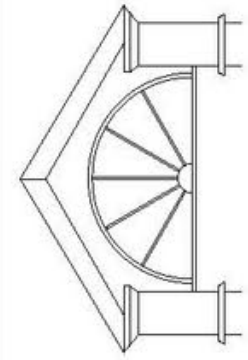
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VIEW LOOKING SOUTH EAST AT ELEV.: 60' +/-

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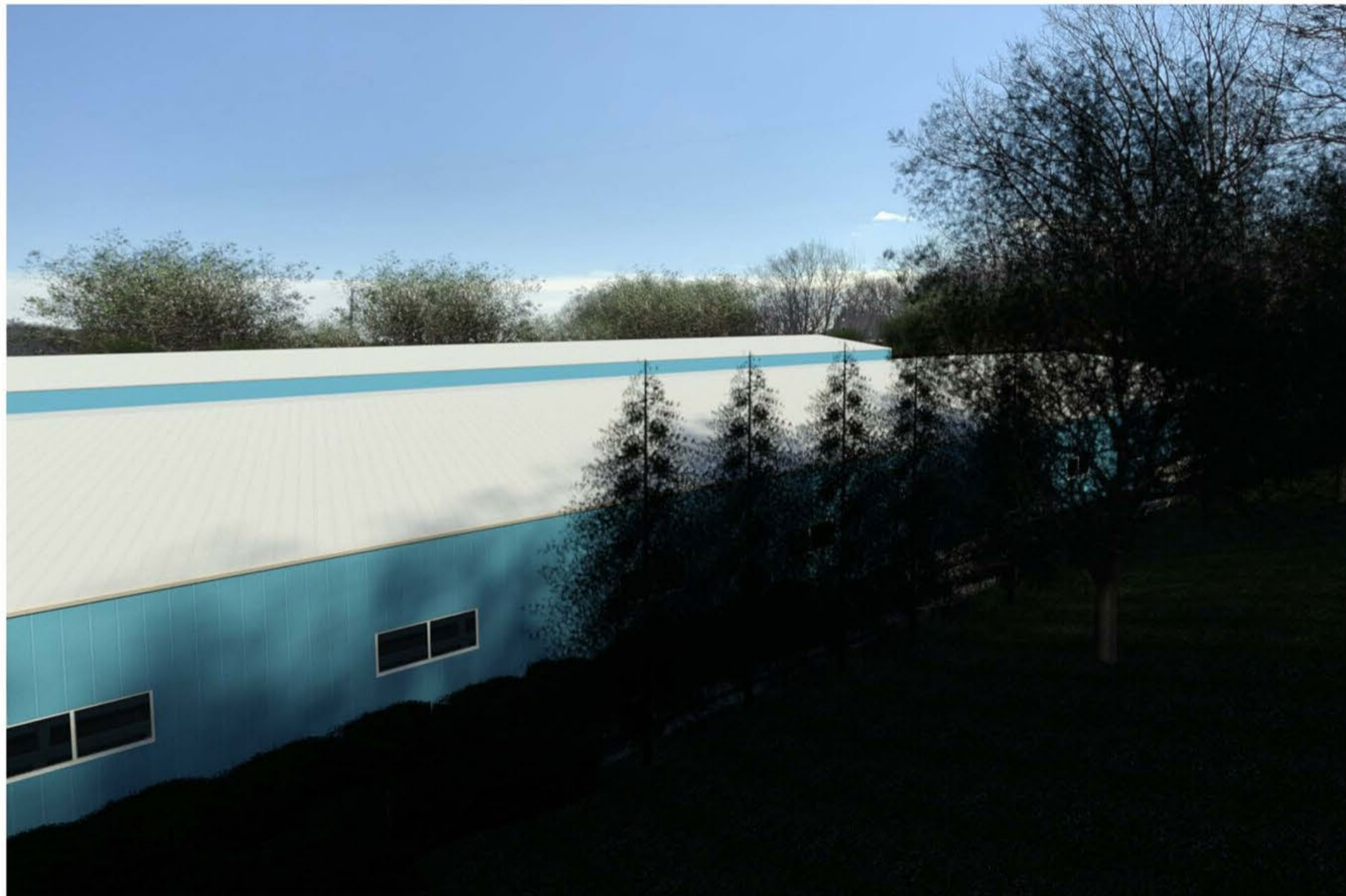
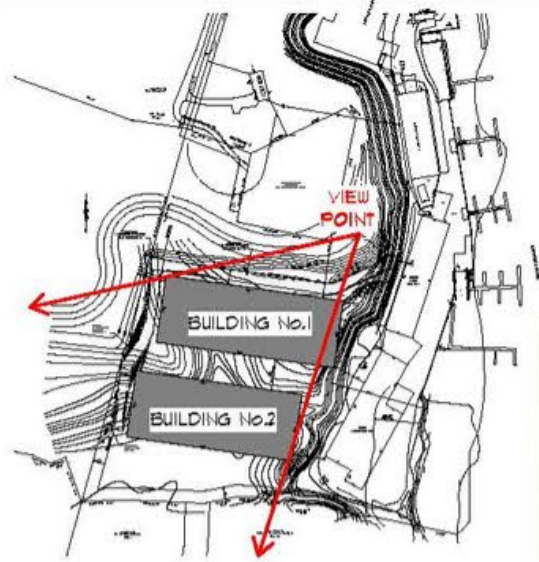
PERSPECTIVE

STRONG'S YACHT CENTER
5180 WEST MILL ROAD
MATTITUCK, NY

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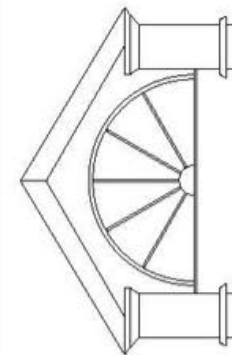


VIEW LOOKING SOUTHWEST

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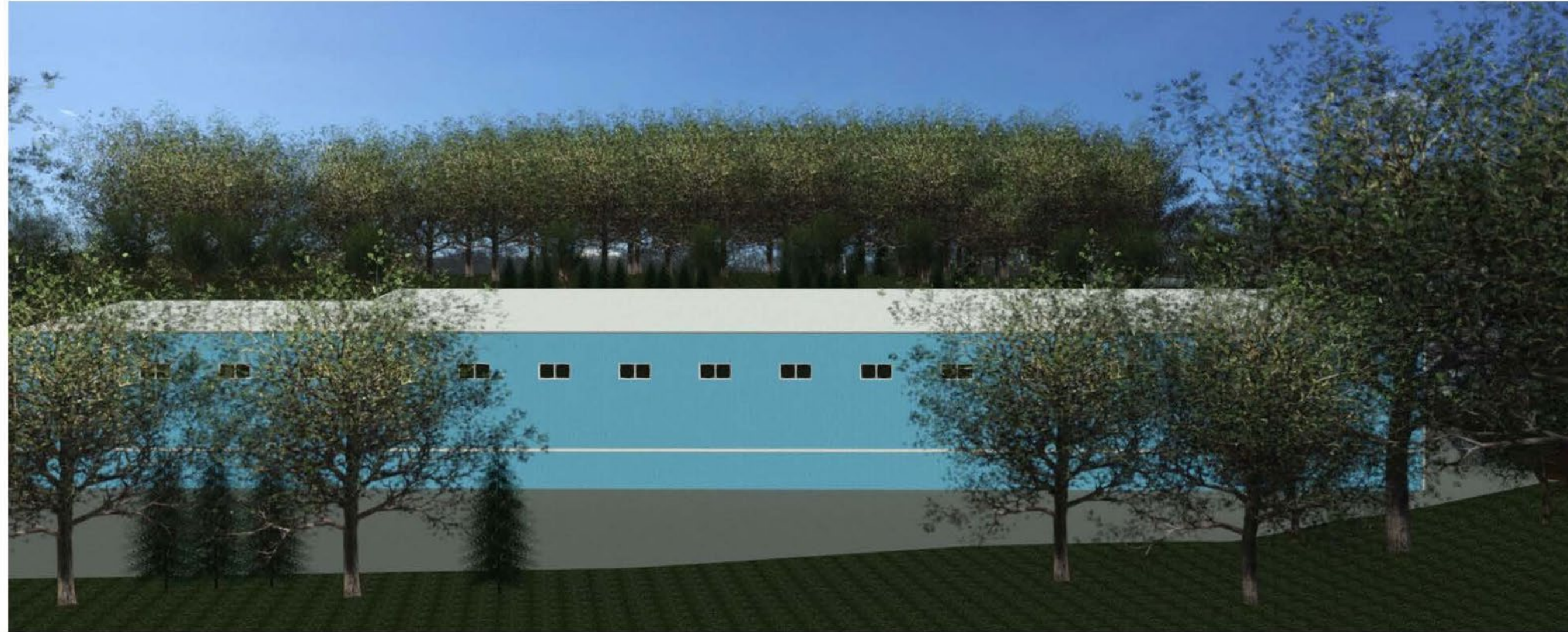
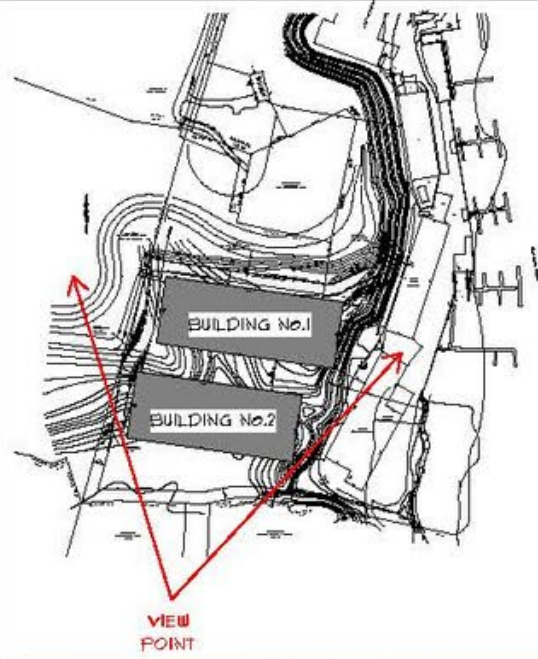
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PERSPECTIVE

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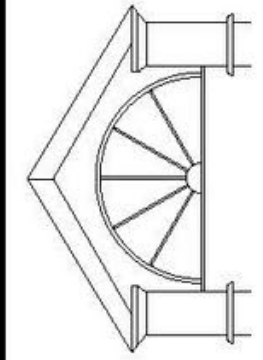
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VIEW FROM SOUTH

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