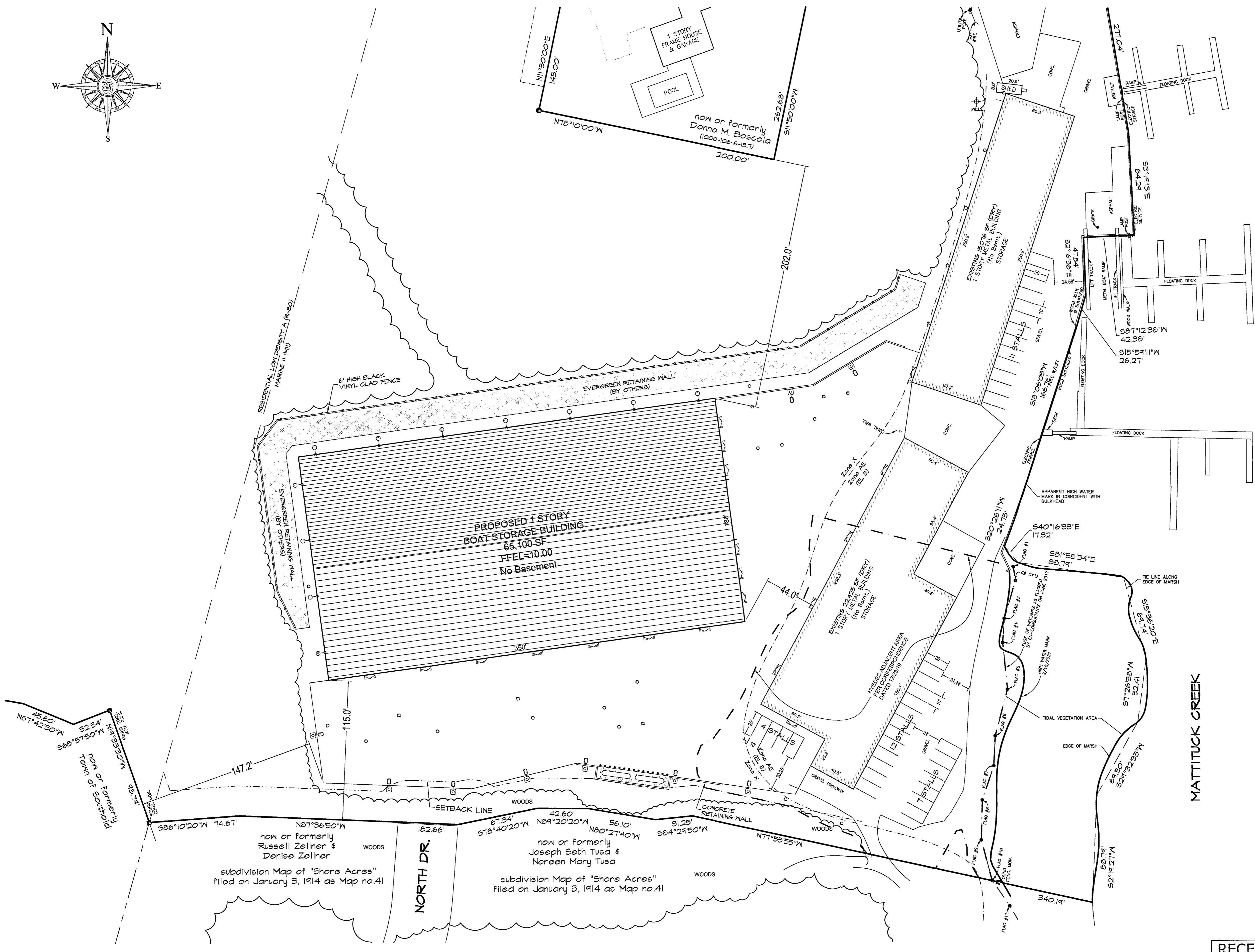
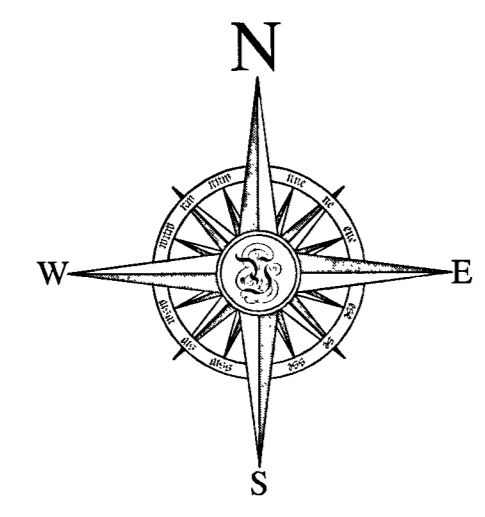


(1) UNLICENSED ASSISTANT OR ASSISTANT TO THIS SURVEYOR IS A VIOLATION OF SECTION 2009 OF THE NEW YORK STATE EDUCATION LAW. (2) DISTANCES SHOWN HEREIN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR SECTION OF FENCES. (3) COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S PROFESSIONAL SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (4) CERTIFICATION REQUIRED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LISTING INSTITUTION LISTED HEREON, AND TO THE ADDRESS OF THE LISTING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR INTERESTED OWNERS. (5) THE LOCATION OF WELLS (W), SEPTIC TANKS (ST) & CESSPOOLS (CS) SHOWN HEREON ARE FROM FIELD OBSERVATIONS AND OR DATA OBTAINED FROM OTHERS.

400 Ostrander Avenue, Riverhead, New York 11901
tel. 631.727.2503 Fax. 631.727.0144
admin@youngengineering.com

Young associates

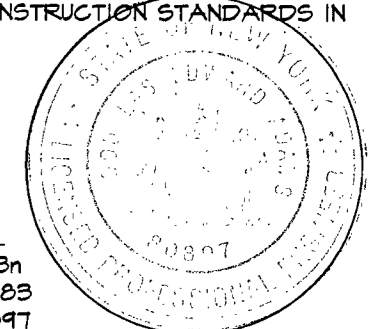
Howard W. Young, Land Surveyor
Thomas C. Wolpert, Professional Engineer
Douglas E. Adams, Professional Engineer
Daniel A. Weaver, Land Surveyor



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 FACILITIES, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

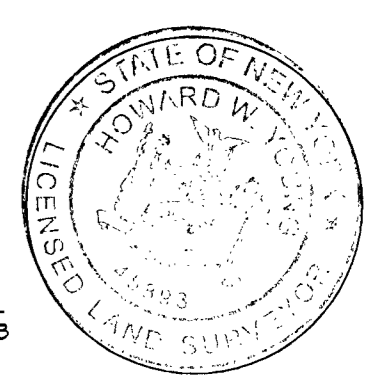
Thomas C. Wolpert
HOWARD W. YOUNG, N.Y.S. L.S. NO. 45843
THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847



SURVEYOR'S CERTIFICATION

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

Howard W. Young
HOWARD W. YOUNG, N.Y.S. L.S. NO. 45843

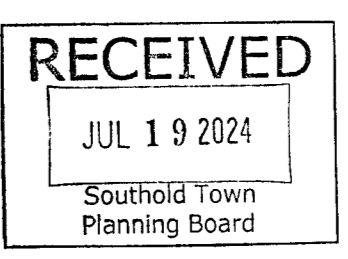


**BOAT STORAGE BUILDINGS
STRONG'S YACHT CENTER**
at Mattituck, Town of Southold
Suffolk County, New York
REVISED SITE PLAN
ALIGNMENT PLAN

County Tax Map District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED JUL. 09, 2018

REVISION	Record of Revisions	DATE
TOS, NYSDRC		NOV. 20, 2018
NYSDRC		JAN. 20, 2020
NYSDRC		FEB. 10, 2020
SANITARY & DRAINAGE		JULY 21, 2020
SCSIS NOVA		MAR. 15, 2021
DOCKS & PIVOT		MAR. 18, 2021
DOCKS		MAR. 12, 2021
MULTIPLE		MAY 24, 2021
NYSDRC		OCT. 18, 2021
SCSIS NOVA		JAN. 03, 2022
SCSIS NOVA		MAY 16, 2022
SCSIS NOVA		JUNE 16, 2023
SCSIS NOVA		OCT. 15, 2023
REDOCKED SCOP		JULY 17, 2024



Scale: 1" = 40'
JOB NO. 2017-0165
DWS, 2017_0165_site plan_2 2 OF 13

PLOT DATE: JUN 18, 2024 - 1:48pm
 PLOT FILE: R:\2017\0165\165\165.dwg
 PLOT SCALE: 1"=40'
 PLOT SHEET: 2 OF 13

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

UNAUTHORIZED REVISION OR ADDITION TO THE SURVEY IS A VIOLATION OF SECTION 2003 OF THE NEW YORK STATE ELECTION LAW. (3) DISTRICTS FROM WHICH VOTERS' PROPERTY LINES TO EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR PAPER OF RECORDS. (4) COPIES OF THIS SURVEY ARE NOT BEARING. THE LAND SURVEYOR'S SEAL OR ENDORSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (5) CERTIFICATION INDICATED HEREON SHALL BE VALID TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENT AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ADDRESS OF THE LENDING INSTITUTION, CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT DRIS. (6) THE LOCATION OF WELLS (X), SEPTIC TANKS (T) & DISPOSALS (D) SHOWN HEREON ARE FROM FIELD OBSERVATIONS AND OR DATA OBTAINED FROM OTHERS.

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 = 40,625 SF
 * VOLUME REQUIRED:
 ROOF: 23,518 SF x 2/12 x 1.00 = 3,964 CF
 STONE: 6,571 SF x 2/12 x 0.60 = 697 CF
 GRASS: 10,484 SF x 2/12 x 0.10 = 174 CF
 TOTAL VOLUME REQUIRED = 4,835 CF

* VOLUME PROVIDED:
 USE FRENCH DRAIN 'A'
 18" PIPE: 176 SF x 200 LF = 352 CF
 GRAVEL: (6.44 SF x 200 LF) x 0.40 = 514 CF

USE LEACHING FIELD 1.0
 (1) 10' DIA. x 5.40' DEEP POOLS = 4,064 CF
 TOTAL VOLUME PROVIDED = 4,835 CF

TRIBUTARY AREA NO.2

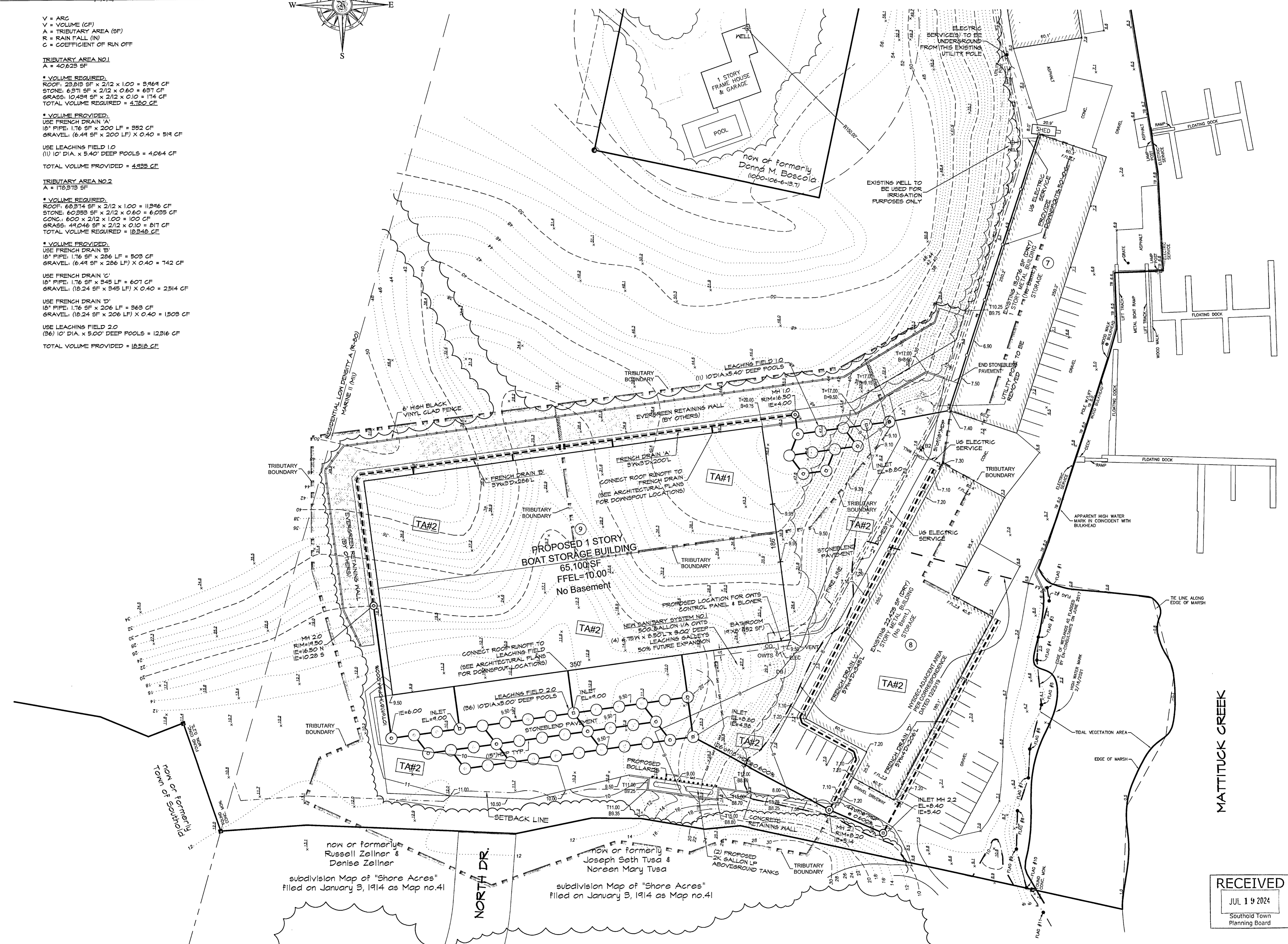
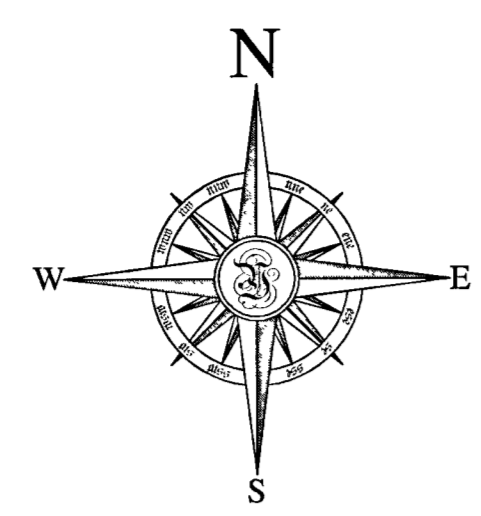
A = 17,625 SF
 * VOLUME REQUIRED:
 ROOF: 6,874 SF x 2/12 x 1.00 = 1,139 CF
 STONE: 6,033 SF x 2/12 x 0.60 = 603 CF
 CONC.: 600 x 2/12 x 1.00 = 100 CF
 GRASS: 44,046 SF x 2/12 x 0.10 = 817 CF
 TOTAL VOLUME REQUIRED = 18,249 CF

* VOLUME PROVIDED:
 USE FRENCH DRAIN 'B'
 18" PIPE: 176 SF x 286 LF = 503 CF
 GRAVEL: (6.44 SF x 286 LF) x 0.40 = 742 CF

USE FRENCH DRAIN 'C'
 18" PIPE: 176 SF x 345 LF = 607 CF
 GRAVEL: (10.24 SF x 345 LF) x 0.40 = 2,514 CF

USE FRENCH DRAIN 'D'
 18" PIPE: 176 SF x 206 LF = 353 CF
 GRAVEL: (10.24 SF x 206 LF) x 0.40 = 1,503 CF

USE LEACHING FIELD 2.0
 (6) 10' DIA. x 5.00' DEEP POOLS = 12,316 CF
 TOTAL VOLUME PROVIDED = 18,249 CF



Young associates
 Howard M. Young, Land Surveyor
 Thomas C. Wolpert, Professional Engineer
 Douglas E. Adams, Professional Engineer
 Daniel A. Weaver, Land Surveyor

EARTHWORK DATA
 TOTAL EARTHWORK VOLUME = 10,000 CY (CUT)
 NOTE:
 VOLUME(S) ARE UNADJUSTED.
 VOLUME(S) ARE CALCULATED UTILIZING GRID METHOD SURFACE COMPARISONS.

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 FACILITIES, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

Howard M. Young
 HOWARD M. YOUNG, N.Y.S. L.S. NO. 45843n
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80897

SURVEYOR'S CERTIFICATION
 I HEREBY CERTIFY THAT THIS MAP WAS PREPARED UTILIZING OFFICE RECORDS, AND BOUNDARY AND TOPOGRAPHICAL SURVEYS MADE BY US, AND/OR UNDER OUR DIRECTION.

Howard M. Young
 HOWARD M. YOUNG, N.Y.S. L.S. NO. 45843

**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York
**REVISED SITE PLAN
 GRADING & DRAINAGE PLAN**

County Tax Map District 1000 Section 106 Block 06 Lot 10
 MAP PREPARED JUL. 09, 2016
 REVISION Record of Revisions DATE

NO.	DESCRIPTION	DATE
1	ISS. IN PROGRESS	NOV. 20, 2016
2	ISS. IN PROGRESS	JAN. 02, 2017
3	SANITARY SEWERAGE	FEB. 10, 2017
4	SEWERAGE	FEB. 10, 2017
5	SEWERAGE	FEB. 10, 2017
6	SEWERAGE	FEB. 10, 2017
7	SEWERAGE	FEB. 10, 2017
8	SEWERAGE	FEB. 10, 2017
9	SEWERAGE	FEB. 10, 2017
10	SEWERAGE	FEB. 10, 2017
11	SEWERAGE	FEB. 10, 2017
12	SEWERAGE	FEB. 10, 2017
13	SEWERAGE	FEB. 10, 2017
14	SEWERAGE	FEB. 10, 2017
15	SEWERAGE	FEB. 10, 2017
16	SEWERAGE	FEB. 10, 2017
17	SEWERAGE	FEB. 10, 2017
18	SEWERAGE	FEB. 10, 2017
19	SEWERAGE	FEB. 10, 2017
20	SEWERAGE	FEB. 10, 2017

Scale: 1" = 40'
 JOB NO. 2017-015
 DWS: 2017_015_site plan_2 3 OF 13

UNANNOUNCED EXAMINATION OR ANY OTHER MEANS TO THE SURVEY IS A VIOLATION OF SECTION 2026 OF THE NEW YORK STATE ELECTION LAW. (3) ESTIMATES FROM HEREIN FROM PROPERTY LINES OR FROM RECORDS OF DEEDS OR DEEDS OF RECORD SHALL BE CONSIDERED TO BE A VALID COPY. (4) CUSTOMER'S LOCATION OF POINTS SHALL BE IN ACCORDANCE WITH THE SURVEY. THE LOCATION OF POINTS SHALL BE IN ACCORDANCE WITH THE SURVEY. THE LOCATION OF POINTS SHALL BE IN ACCORDANCE WITH THE SURVEY.

PARKING CALCULATION

PARKING REQUIRED	
SINGLE FAMILY DETACHED RESIDENCE	= 2 STALLS
OFFICE = 2,702 SF @ 1 STALL/100 SF	= 27 STALLS
MARINA = 40 BOAT SLIPS @ 1 STALL/BOAT SLIP	= 40 STALLS
STORAGE = 191,046 SF @ 1 STALL/1,000 SF	= 192 STALLS
22 EMPLOYEES @ 1 STALL/EMPLOYEE	= 22 STALLS
TOTAL REQUIRED	= 223 STALLS
PARKING PROVIDED	
TOTAL PROVIDED	= 57 STALLS
HANDICAPPED PARKING PROVIDED	= 4 STALLS

BUILDING USES & GROSS FLOOR AREAS (GFA)

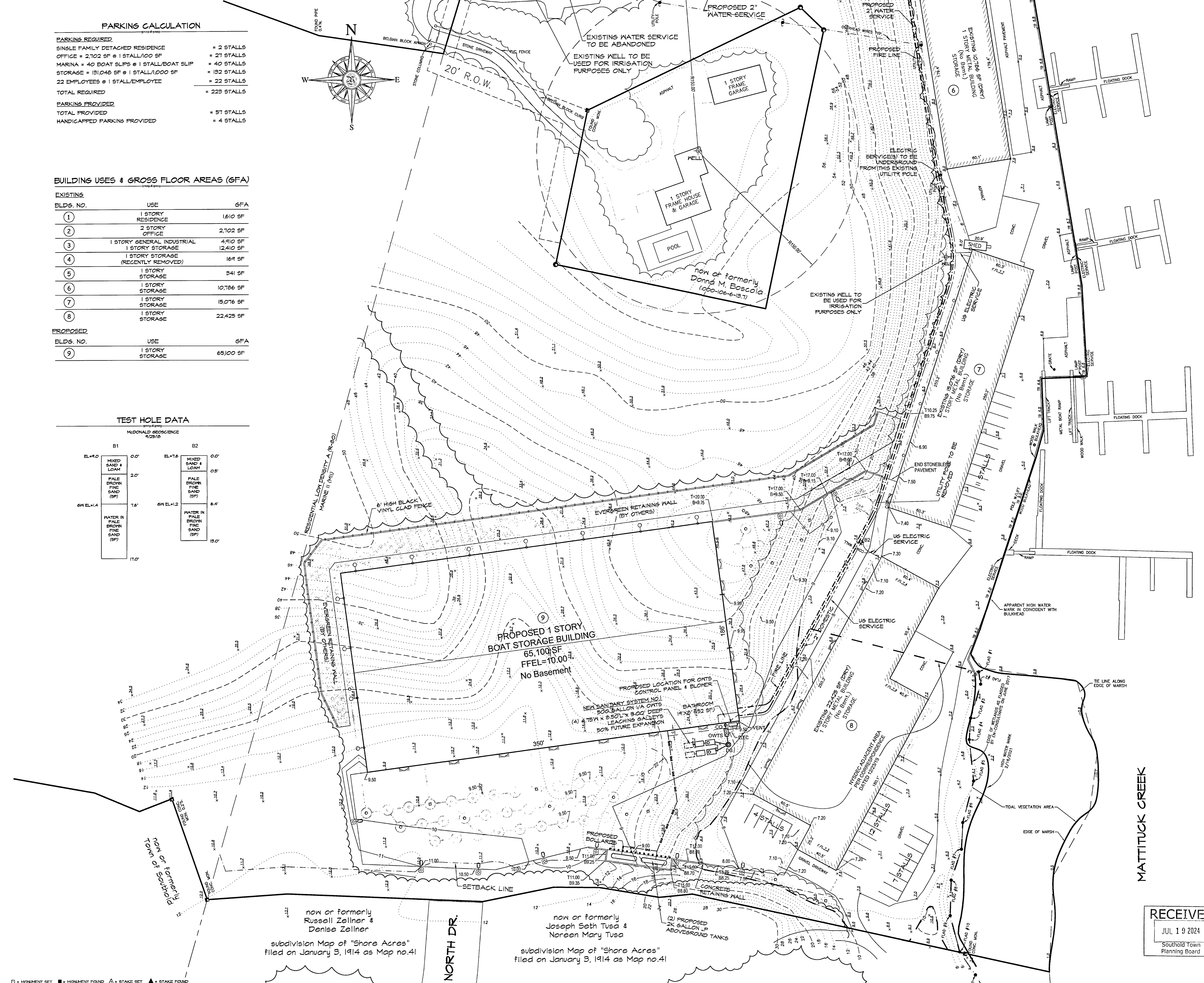
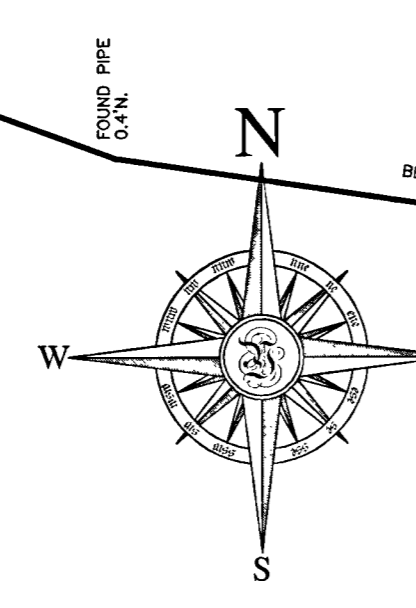
EXISTING BLDG. NO.	USE	GFA
1	1 STORY RESIDENCE	1610 SF
2	2 STORY OFFICE	2,702 SF
3	1 STORY GENERAL INDUSTRIAL	4,910 SF
3	1 STORY STORAGE	12,410 SF
4	1 STORY STORAGE (RECENTLY REMOVED)	169 SF
5	1 STORY STORAGE	341 SF
6	1 STORY STORAGE	10,786 SF
7	1 STORY STORAGE	15,076 SF
8	1 STORY STORAGE	22,429 SF

PROPOSED BLDG. NO.	USE	GFA
9	1 STORY STORAGE	65,100 SF

TEST HOLE DATA

MCDONALD GEOLOGICAL 9/25/16

BL	DEPTH (FT)	DESCRIPTION
B1	0.0'	MIXED SAND & LOAM
B1	2.0'	PALE BROWN FINE SAND (SP)
B1	7.6'	WATER IN PALE BROWN FINE SAND (SP)
B1	17.0'	
B2	0.0'	MIXED SAND & LOAM
B2	0.5'	PALE BROWN FINE SAND (SP)
B2	6.4'	WATER IN PALE BROWN FINE SAND (SP)
B2	19.0'	



Young associates
 400 Ostrander Avenue, Riverhead, New York 11901
 Tel: 631.721.2305 Fax: 631.721.0144
 admin@youngassociates.com
 Howard W. Young, Land Surveyor
 Thomas C. Wolfpert, Professional Engineer
 Douglas E. Adams, Professional Engineer
 Daniel A. Weaver, Land Surveyor

SANITARY DESIGN CRITERIA & CALCULATIONS

SEWAGE DESIGN CRITERIA

GROUNDWATER MANAGEMENT ZONE	= ZONE IV
METHOD OF WATER SUPPLY	= PUBLIC
ALLOWABLE SANITARY FLOW	= 600 GPD/ACRE
BUILDABLE LANDS = 15,8345 AC x 600 GPD/AC	= 9,501 GPD

PROJECT DENSITY SEWAGE FLOW

EXISTING RESIDENCE	= 300 GPD
OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF	= 196 GPD
BOAT STORAGE: 61,205 SF @ 0.04 GPD/SF	= 2,448 GPD
PROPOSED:	
BOAT STORAGE: 65,100 SF @ 0.04 GPD/SF	= 2,604 GPD
NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF	= 9 GPD
TOTAL DENSITY	= 6,114 GPD

DESIGN CALCULATIONS SANITARY SYSTEM NO. 1

EXISTING GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF	= 196 GPD
BOAT STORAGE: 61,205 SF @ 0.00 GPD/SF	= 0 GPD
PROPOSED:	
BOAT STORAGE: 65,100 SF @ 0.00 GPD/SF	= 0 GPD
NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF	= 9 GPD
TOTAL DESIGN FLOW	= 205 GPD

1/4 OWTs REQUIRED
USE GEN-5 AS MFS BY FUJICLEAN USA = 205 GAL.
USE GEN-5 AS MFS BY FUJICLEAN USA = 500 GAL.

LEACHING
REQ. 205 GPD / 15 GPD/S.F. = 137 SFSWA
LEACHING GALLEY SIZE: 4.75M x 9.50L x 3.00' DEEP = 74.5 SFSWA
USE 4 GALLEYS @ 74.5 SFSWA EA. = 298 SFSWA

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2

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

1/4 OWTs REQUIRED
USE GEN-7 AS MFS BY FUJICLEAN USA = 562 GAL.
USE GEN-7 AS MFS BY FUJICLEAN USA = 700 GAL.

LEACHING
REQ. 562 GPD / 15 GPD/S.F. = 375 SFSWA
LEACHING GALLEY SIZE: 4.75M x 9.50L x 3.00' DEEP = 74.5 SFSWA
USE 5 GALLEYS @ 74.5 SFSWA EA. = 348 SFSWA

NOTE: THERE ARE NO PUMP-OUT HOLDING TANKS ON THE SUBJECT PROPERTY.

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 FACILITIES AS PROPOSED CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

Howard W. Young
 HOWARD W. YOUNG, N.Y.S. L.S. NO. 45843B
 THOMAS C. WOLFPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847

SURVEYOR'S CERTIFICATION

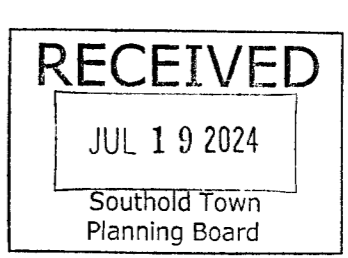
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Howard W. Young
 HOWARD W. YOUNG, N.Y.S. L.S. NO. 45843

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

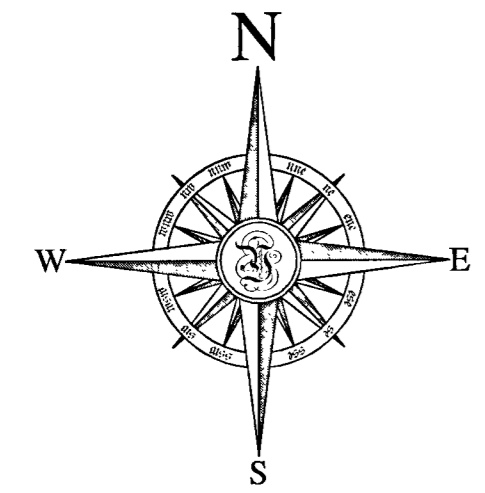
UTILITY PLAN

County Tax Map	1000	106	06	10
District	1000	Section 106	Block 06	Lot 13.4
MAP PREPARED				JUL. 03, 2018
REVISION	Record of Revisions			DATE
TOP INSURANCE				NOV. 20, 2018
WATER				NOV. 20, 2018
SANITARY DISPOSAL				DEC. 15, 2018
SEWER				MAY 08, 2019
DECK				MAY 08, 2019
DOCK				MAY 08, 2019
WATER				OCT. 18, 2019
SEWER				MAY 06, 2020
SEWER				MAY 06, 2020
WATER MAIN SERVICES				NOV. 11, 2020
SEWER				NOV. 11, 2020
BLINDING				JULY 17, 2021



Scale: 1" = 40'
 JOB NO. 2017-0165
 DWG. 2017_0165_site plan_2 4 OF 13

(1) UNAUTHORIZED ALTERATION OR REVISION OF THIS DRAWING IS A VIOLATION OF SECTION 2006 OF THE NEW YORK STATE EDUCATION LAW (2) SERVICES SHOWN HEREIN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR DETECTION OF UTILITIES (3) COPIES OF THIS SURVEY MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM (4) THIS SURVEY WAS MADE IN ACCORDANCE WITH THE LAND SURVEYORS' PRACTICE ACT AND THE PROFESSIONAL LAND SURVEYORS' BOARD OF REGULATION (5) THE LOCATION OF UTILITIES (6) SERVICE TANKS (7) & RESPONSIBLE PARTY THEREON ARE FROM FIELD OPERATIONS AND OR DATA PROVIDED BY THE CLIENT (8) THE LOCATION OF UTILITIES (9) SERVICE TANKS (10) & RESPONSIBLE PARTY THEREON ARE FROM FIELD OPERATIONS AND OR DATA PROVIDED BY THE CLIENT



TEST HOLE DATA
McDONALD GEOSCIENCE
4/25/18

TEST HOLE	DEPTH (FT)	SOIL DESCRIPTION
B1	0.0'	MIXED SAND & LOAM
B1	2.0'	PALE BROWN FINE SAND (SP)
B1	1.6'	WATER IN PALE BROWN FINE SAND (SP)
B2	0.0'	MIXED SAND & LOAM
B2	0.9'	PALE BROWN FINE SAND (SP)
B2	6.4'	WATER IN PALE BROWN FINE SAND (SP)
B2	18.0'	

PARKING CALCULATION

Category	Requirement	Stalls
PARKING REQUIRED	SINGLE FAMILY DETACHED RESIDENCE	= 2 STALLS
	OFFICE = 2,702 SF @ 1 STALL/100 SF	= 27 STALLS
	MARINA = 40 BOAT SLIPS @ 1 STALL/BOAT SLIP	= 40 STALLS
	STORAGE = 131,048 SF @ 1 STALL/1,000 SF	= 132 STALLS
TOTAL REQUIRED		= 229 STALLS
	PARKING PROVIDED	= 51 STALLS
	HANDICAPPED PARKING PROVIDED	= 4 STALLS

BUILDING USES & GROSS FLOOR AREAS (GFA)

BLDG. NO.	USE	GFA
1	1 STORY RESIDENCE	1,610 SF
2	2 STORY OFFICE	2,702 SF
3	1 STORY GENERAL INDUSTRIAL	4,910 SF
4	1 STORY STORAGE (RECENTLY REMOVED)	164 SF
5	1 STORY STORAGE	341 SF
6	1 STORY STORAGE	10,786 SF
7	1 STORY STORAGE	15,076 SF
8	1 STORY STORAGE	22,425 SF
9	1 STORY STORAGE	65,100 SF

NOTES FOR ABANDONMENT OF SANITARY STRUCTURES

ABANDONMENT-IN-PLACE
EXISTING SYSTEMS SHALL BE ABANDONED BY REMOVING ALL RESIDUAL SEWAGE WASTES 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 WASTES 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.

Young associates
400 Ostrander Avenue, Riverhead, New York 11901
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admin@youngassociates.com

Howard W. Young, Land Surveyor
Thomas C. Wolpert, Professional Engineer
Douglas E. Adams, Professional Engineer
Daniel A. Weaver, Land Surveyor

SANITARY DESIGN CRITERIA & CALCULATIONS

SEWAGE DESIGN CRITERIA

Category	Requirement	Flow
EXISTING	GROUNDWATER MANAGEMENT ZONE	= ZONE IV
	METHOD OF WATER SUPPLY	= PUBLIC
	ALLOWABLE SANITARY FLOW	= 600 GPD/ACRE
	BUILDABLE LANDS = 15,8345 AC x 600 GPD/AC	= 9,501 GPD
PROPOSED	RESIDENCE	= 500 GPD
	OFFICE: 2,702 SF @ 0.06 GPD/SF	= 162 GPD
	MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP	= 400 GPD
	GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF	= 196 GPD
BOAT STORAGE: 61,205 SF @ 0.04 GPD/SF	= 2,448 GPD	
TOTAL DESIGN FLOW		= 2,604 GPD
	NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF	= 9 GPD
TOTAL DENSITY		= 6,114 GPD

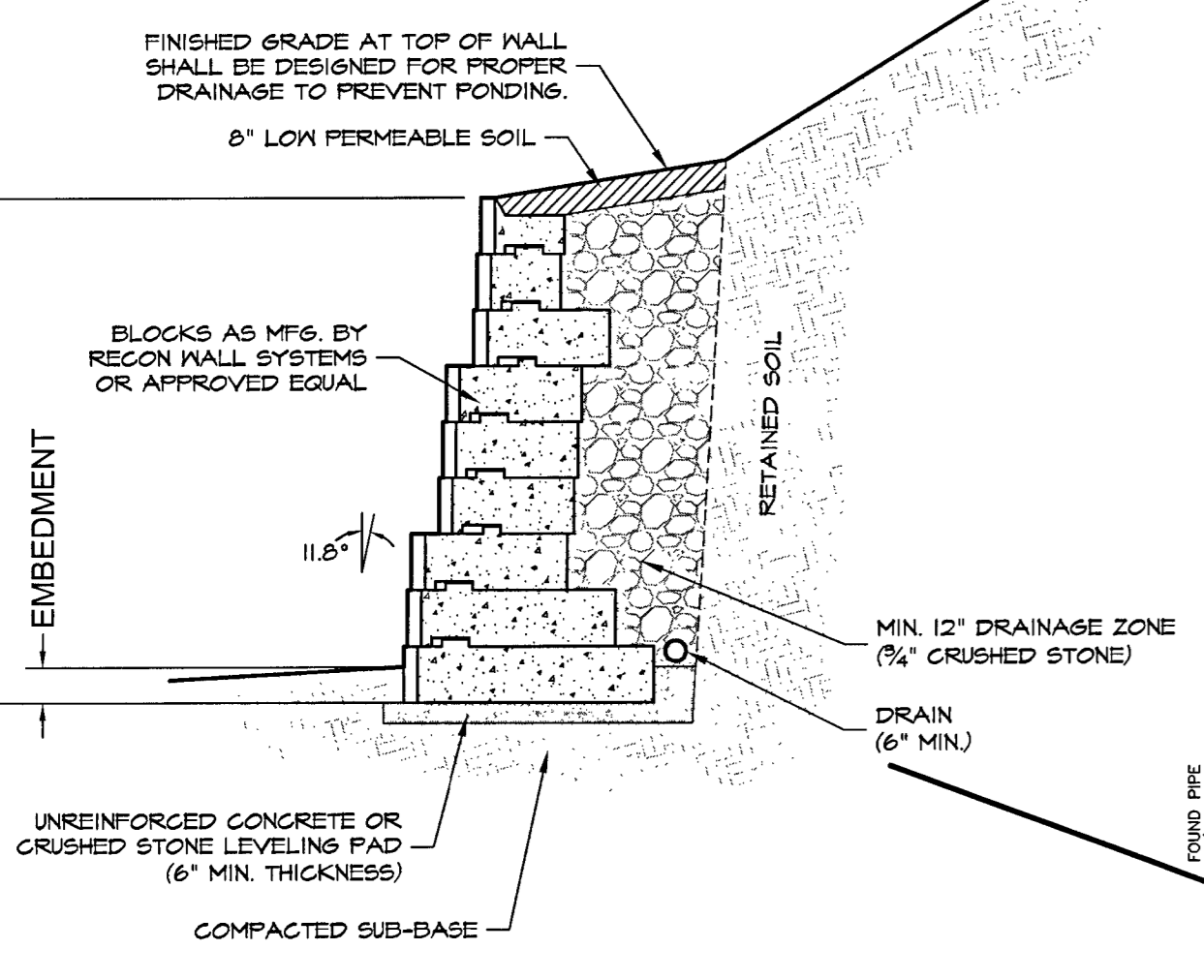
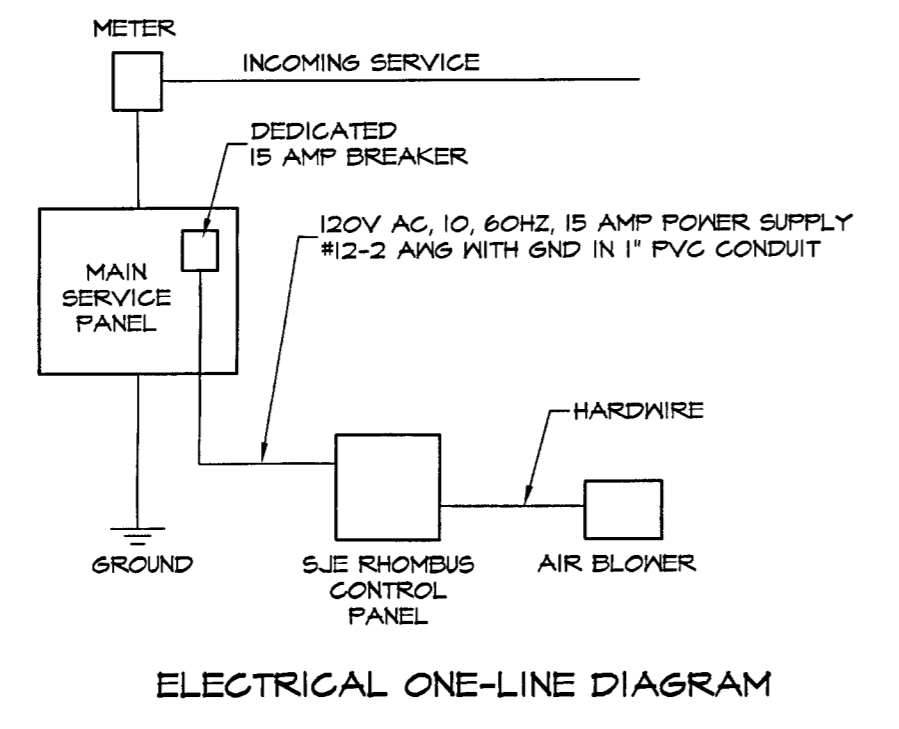
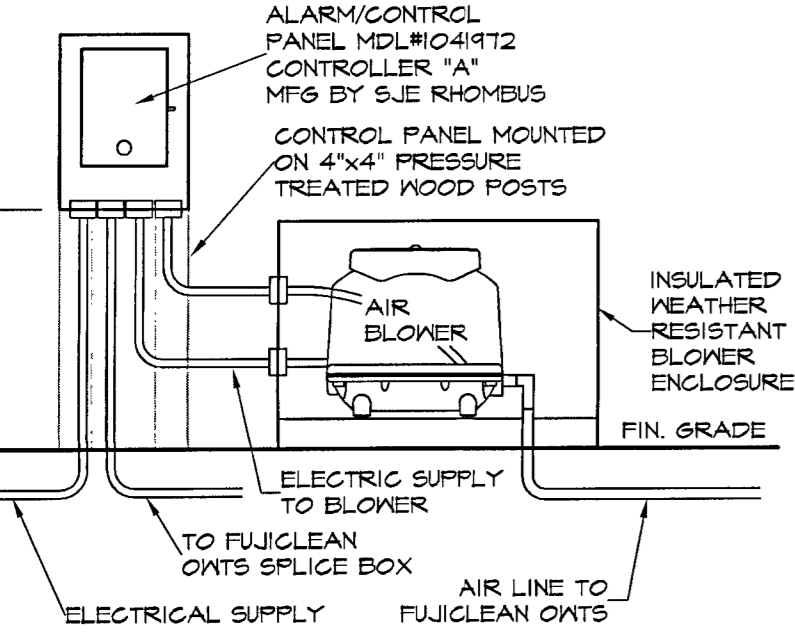
LIST OF ON-SITE STORAGE TANKS

TANK #	SIZE (GAL)	CONTENT	TYPE
6	2000	GASOLINE	AST OUTSIDE
7	8000	DIESEL	AST OUTSIDE
8	275	#2 FUEL OIL	AST INSIDE
9	275	#2 FUEL OIL	AST INSIDE
10	275	#2 FUEL OIL	AST INSIDE

TANK NUMBERS SHOWN AS ASSIGNED BY SCDHS OFFICE OF POLLUTION CONTROL

NOTE: ALL CONDUITS BETWEEN PANEL AND TREATMENT TANK MUST BE SEALED TO PREVENT GAS LEAKAGE INTO PANEL.

FOR WIFI COMMUNICATION DEVICE, USE ALARM/CONTROL PANEL MDL#1045040 CONTROLLER "C" MFG BY SJE RHOOMBUS



FINISHED GRADE AT TOP OF WALL SHALL BE DESIGNED FOR PROPER DRAINAGE TO PREVENT PONDING.

8" LOW PERMEABLE SOIL

RETAINED SOIL

11.5'

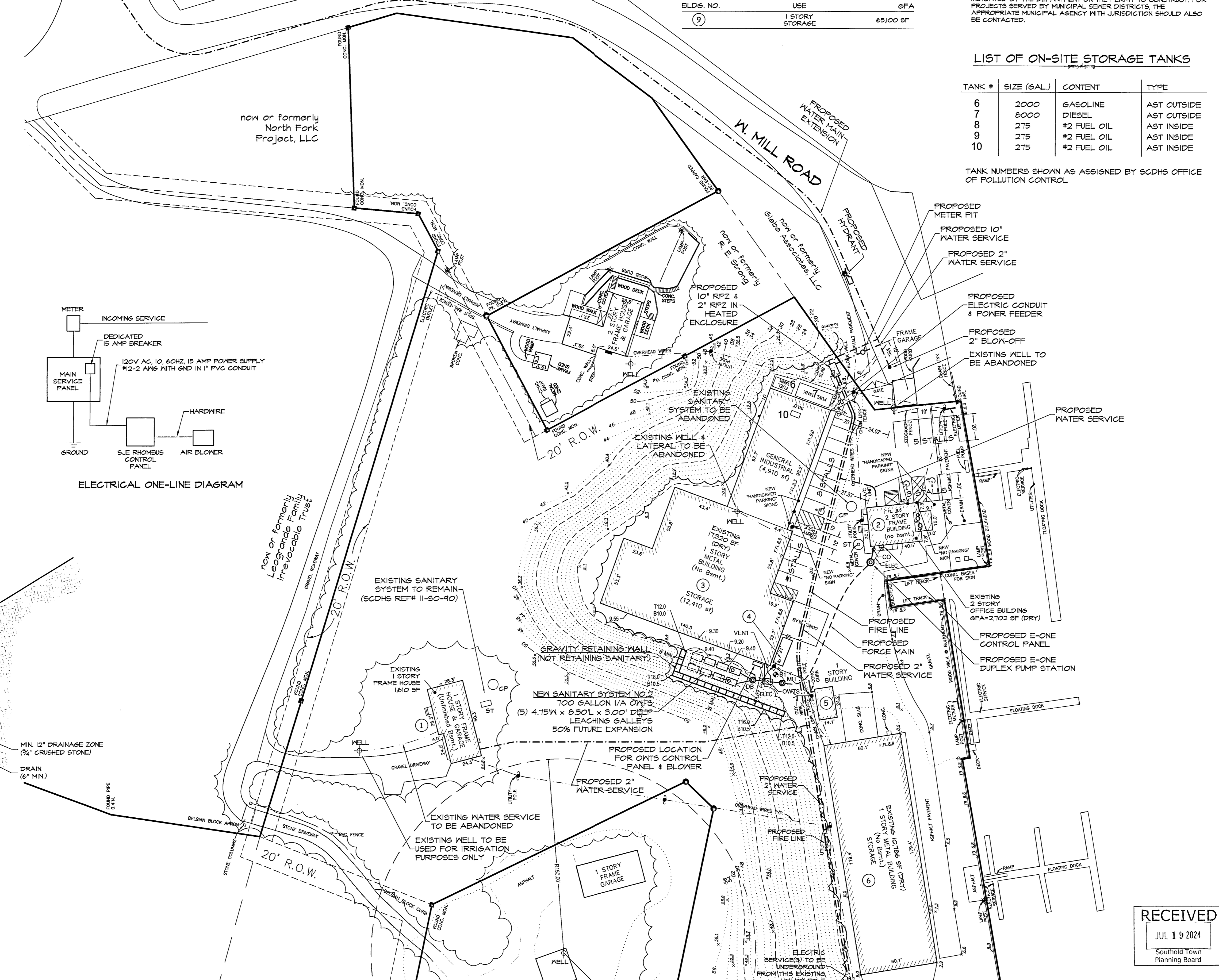
MIN. 12" DRAINAGE ZONE (3/4" CRUSHED STONE)

DRAIN (6" MIN)

UNREINFORCED CONCRETE OR CRUSHED STONE LEVELING PAD (6" MIN THICKNESS)

COMPACTED SUB-BASE

GRAVITY RETAINING WALL



DESIGN CALCULATIONS SANITARY SYSTEM NO. 1

EXISTING:

GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF	= 196 GPD
BOAT STORAGE: 61,205 SF @ 0.04 GPD/SF	= 2,448 GPD
PROPOSED:	
BOAT STORAGE: 65,100 SF @ 0.04 GPD/SF	= 2,604 GPD
NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF	= 9 GPD
TOTAL DENSITY	= 6,114 GPD

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2

EXISTING:

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

I/A OWTs REQUIRED
USE GEN-5 AS MFG BY FUJICLEAN USA = 205 GAL.
REQUIRED = 500 GAL.

LEACHING
REQ: 205 GPD / 15 GPD/S.F. = 137 SFSWA
LEACHING GALLEY SIZE:
4.75'W x 2.50'W x 3.00' DEEP = 74.5 SFSWA
USE 4 GALLEYS @ 74.5 SFSWA EA. = 318 SFSWA

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2

EXISTING:

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

I/A OWTs REQUIRED
USE GEN-7 AS MFG BY FUJICLEAN USA = 562 GAL.
REQUIRED = 700 GAL.

LEACHING
REQ: 562 GPD / 15 GPD/S.F. = 375 SFSWA
LEACHING GALLEY SIZE:
4.75'W x 2.50'W x 3.00' DEEP = 74.5 SFSWA
USE 5 GALLEYS @ 74.5 SFSWA EA. = 373 SFSWA

NOTE: THERE ARE NO PUMP-OUT HOLDING TANKS ON THE SUBJECT PROPERTY.

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS 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 FACILITIES, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

Howard W. Young
HOWARD W. 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. 60847

SURVEYOR'S CERTIFICATION

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

Howard W. Young
HOWARD W. YOUNG, N.Y.S. L.S. NO. 45843

SEAL: HOWARD W. YOUNG, LICENSED LAND SURVEYOR, 45843

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

UTILITY PLAN

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

MAP PREPARED: JUL 03, 2018
REVISION: Record of Revisions

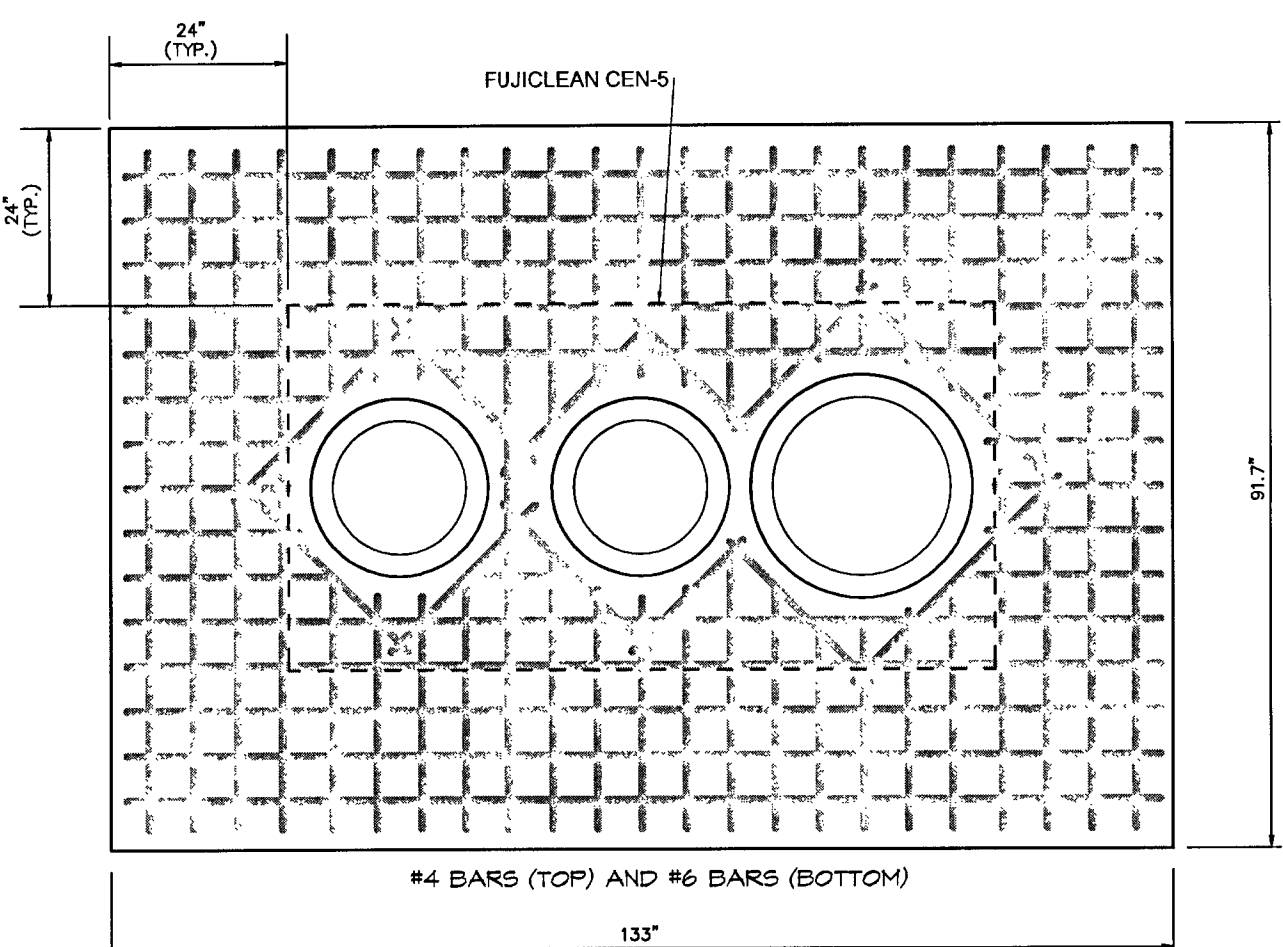
NO.	DATE	DESCRIPTION
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2	07/03/2018	REVISION
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Scale: 1" = 40'

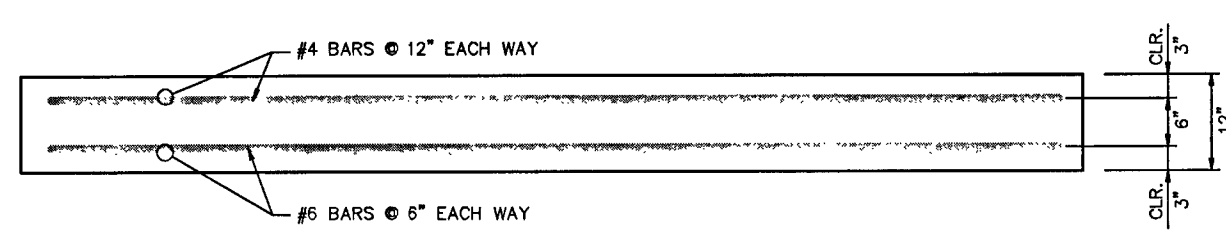
JUL 19 2024
Southold Town Planning Board

JOB NO. 2017-0165
DWS, 2017_0165_site plan_2 5 OF 13

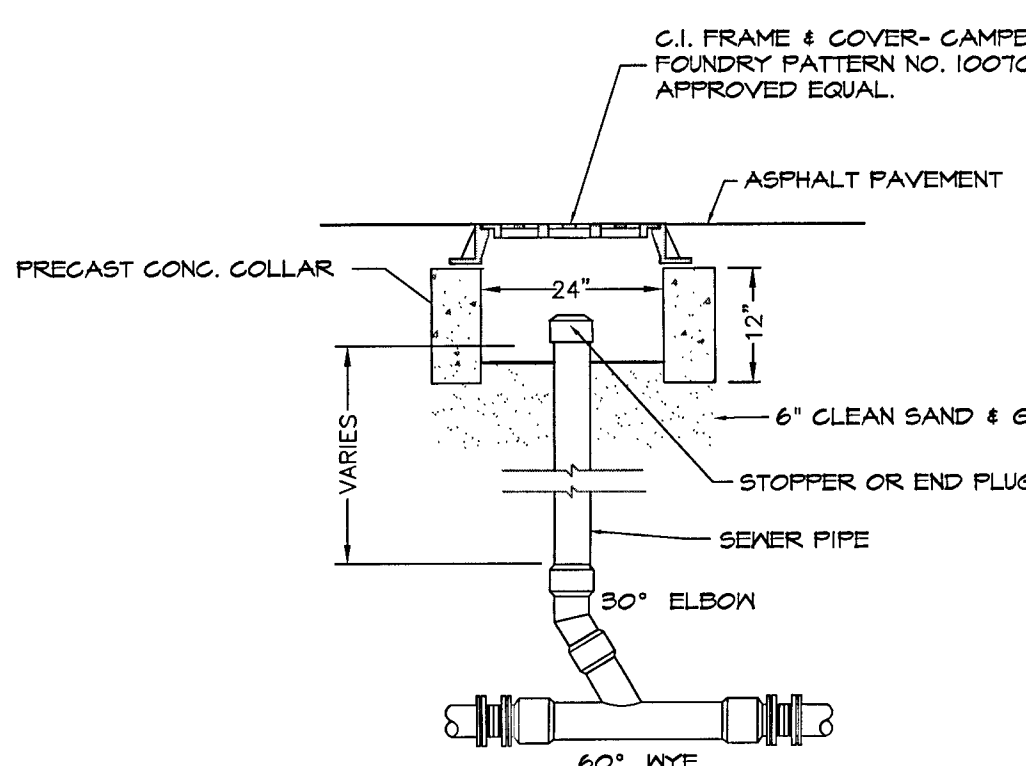
UNLICENSED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 208B OF THE NEW YORK STATE ESTATE LAW. (2) DISTANCES SHOWN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR INFORMATION ONLY AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR EXISTING STRUCTURES. (3) THE LOCATION OF WELLS, THE SURFACE (S) & CENTERLINE (C) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND DATA OBTAINED FROM OTHERS. (4) UNLICENSED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 208B OF THE NEW YORK STATE ESTATE LAW. (5) DISTANCES SHOWN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR INFORMATION ONLY AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR EXISTING STRUCTURES. (6) THE LOCATION OF WELLS, THE SURFACE (S) & CENTERLINE (C) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND DATA OBTAINED FROM OTHERS. (7) UNLICENSED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 208B OF THE NEW YORK STATE ESTATE LAW. (8) DISTANCES SHOWN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR INFORMATION ONLY AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR EXISTING STRUCTURES. (9) THE LOCATION OF WELLS, THE SURFACE (S) & CENTERLINE (C) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND DATA OBTAINED FROM OTHERS.



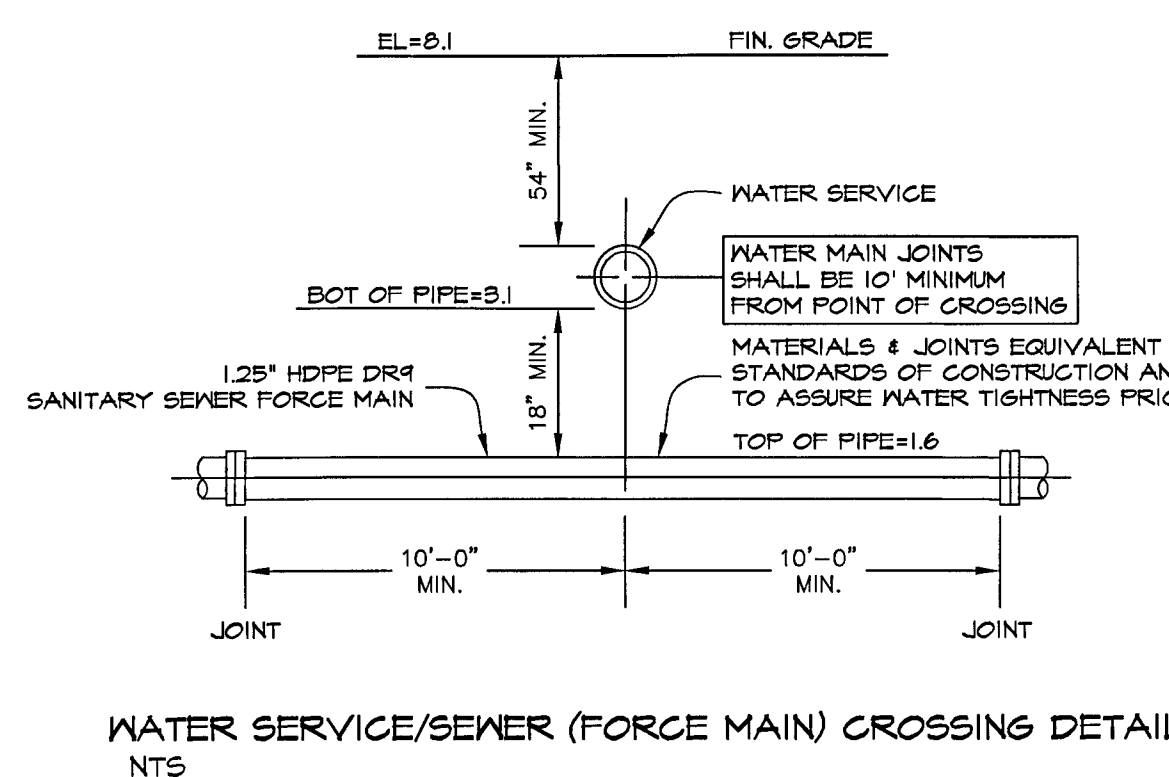
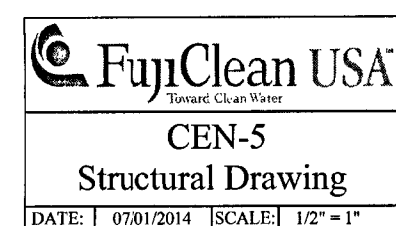
TRAFFIC BEARING SLAB (H2O LOADING) & TYPICAL REINFORCING FOR ACCESS HOLES SCALE: NTS



TRAFFIC BEARING SLAB SECTION SCALE: NTS



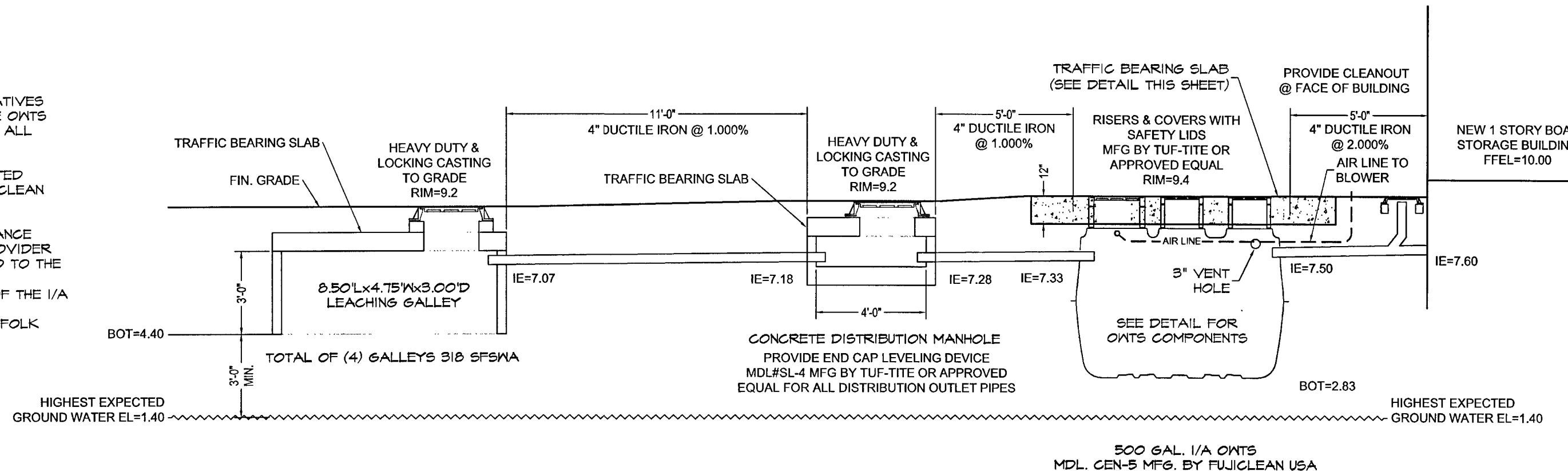
TYPICAL CLEANOUT DETAIL FOR AREAS SUBJECT TO VEHICULAR TRAFFIC



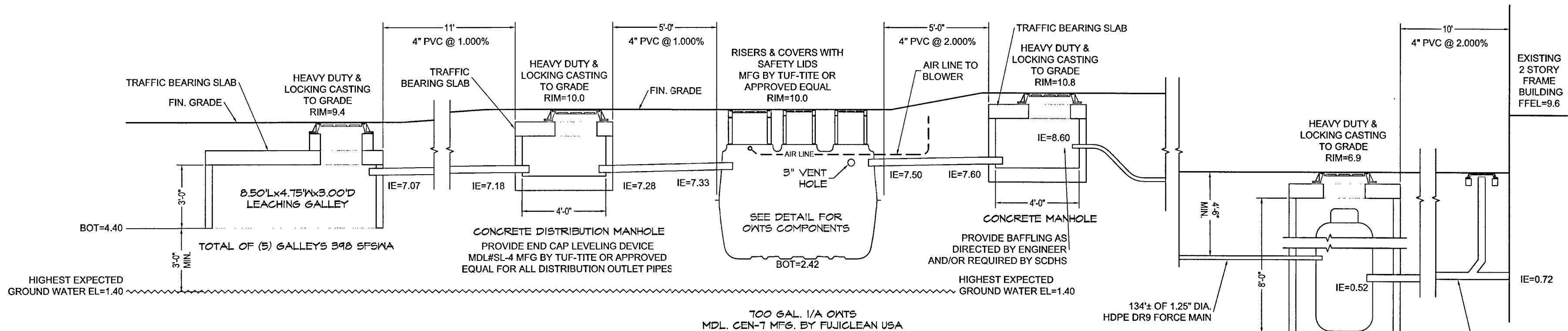
WATER SERVICE/SEWER (FORCE MAIN) CROSSING DETAIL NTS

I/A OWTS NOTES

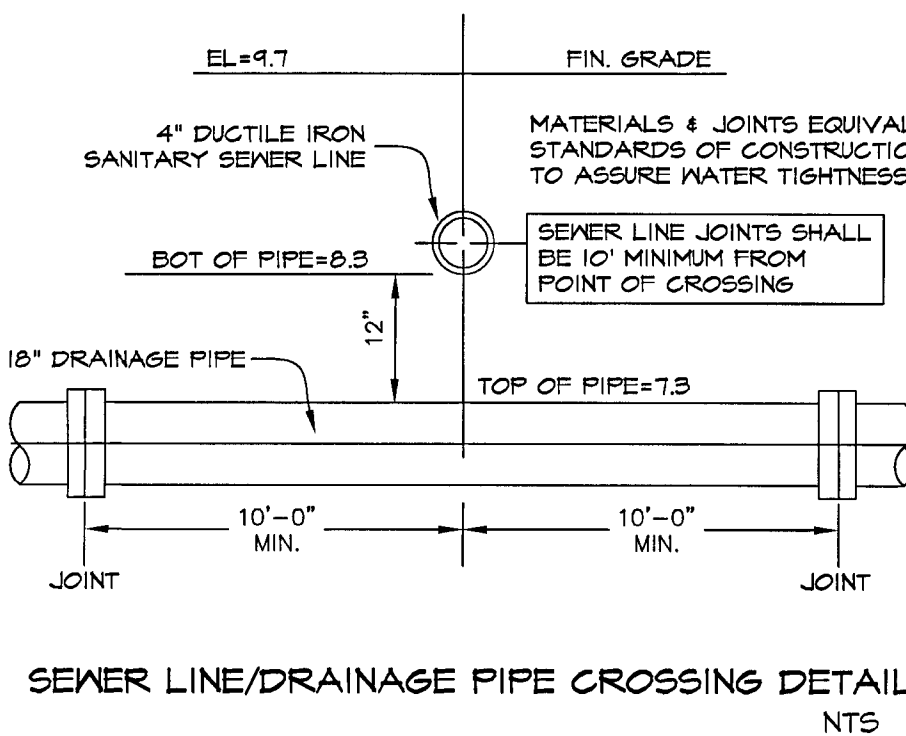
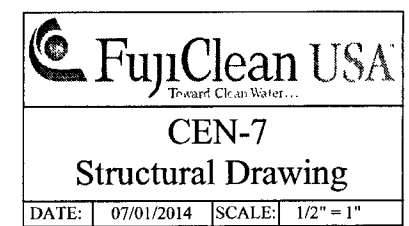
1. THE DESIGN ENGINEER, FUJICLEAN USA REPRESENTATIVE, AND SCDS REPRESENTATIVES SHALL OBSERVE THE INSTALLATION OF THE OWTS AND LEACHING SYSTEM. APPROVAL FROM ALL THREE PRIOR TO BACKFILL. 2. THE SYSTEM START UP WILL BE COMPLETED UNDER THE DIRECT SUPERVISION OF A FUJICLEAN USA REPRESENTATIVE. 3. AN EXECUTED OPERATION AND MAINTENANCE CONTRACT BETWEEN THE MAINTENANCE PROVIDER AND PROPERTY OWNER MUST BE SUBMITTED TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES (SCDS) PRIOR TO APPROVAL OF THE I/A OWTS REGISTRATION BY THE SCDS IN ACCORDANCE WITH ARTICLE 11 OF THE SUFFOLK COUNTY SANITARY CODE.



HYDRAULIC PROFILE SANITARY SYSTEM NO.1 SCALE: 1\"/>



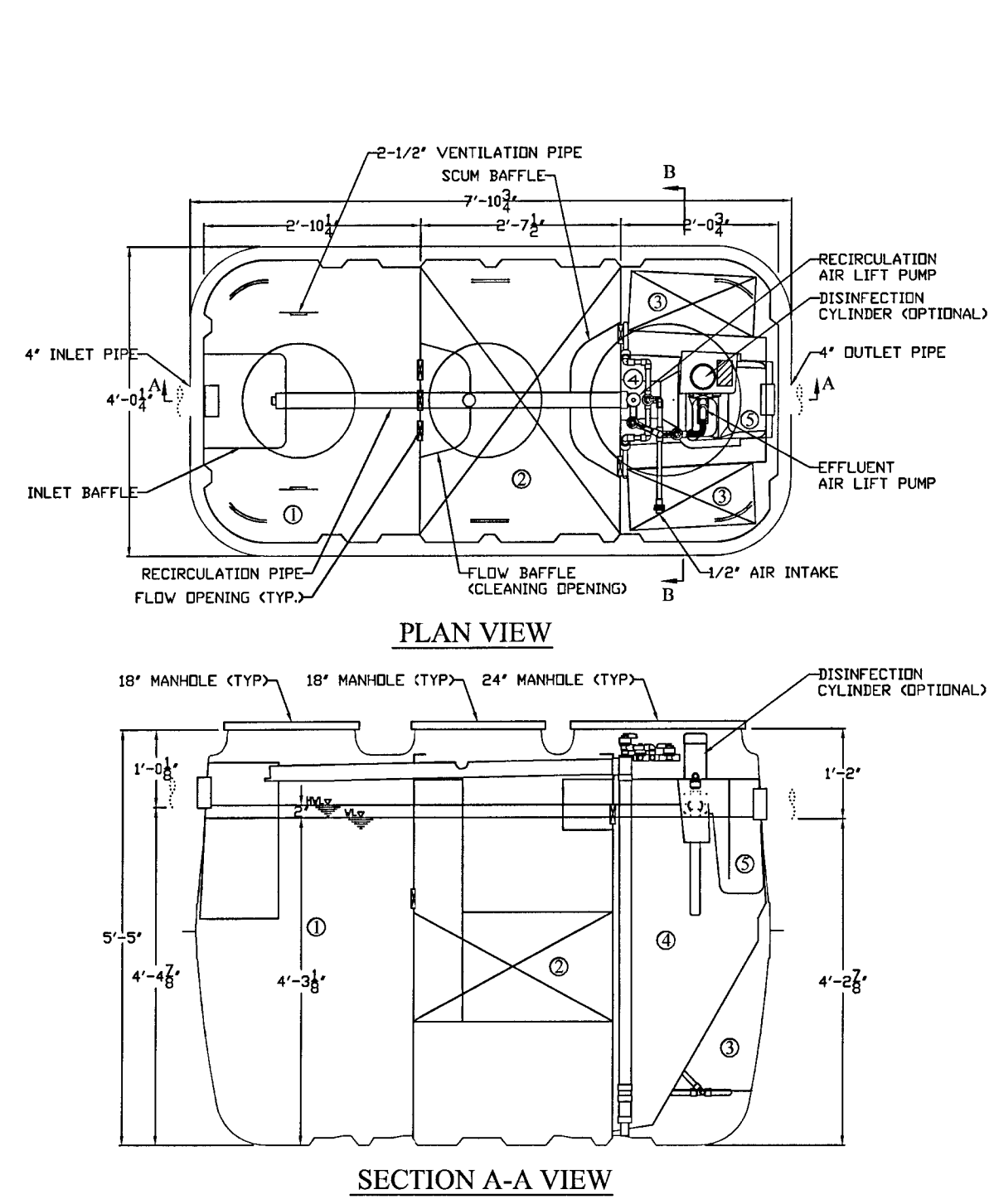
HYDRAULIC PROFILE SANITARY SYSTEM NO.2 SCALE: 1\"/>



SEWER LINE/DRAINAGE PIPE CROSSING DETAIL NTS

BUOYANCY CALCULATIONS

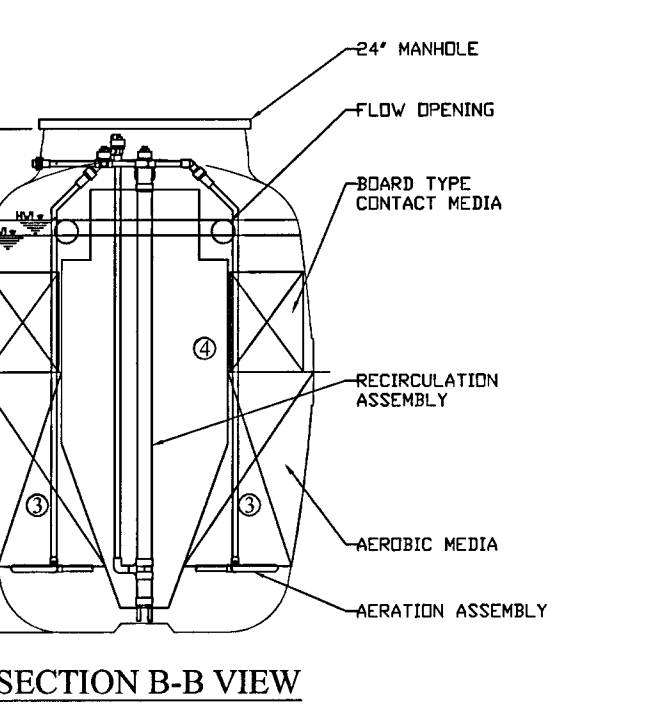
ONE (1) 5' DIA. x 8' DEEP PRECAST CONCRETE STRUCTURE WITH 8 INCH REINFORCED CONCRETE BOTTOM SLAB AND 8 INCH REINFORCED CONCRETE TOP SLAB HEIGHTS APPROX. 19,800 LBS., REPRESENTING THE DOWNWARD FORCE FOR THE STRUCTURE. THE PROPOSED STRUCTURE WILL BE PARTIALLY SUBMERGED TO A DEPTH OF 4.00' (1.40 MINUS -2.60). THE VOLUME OF GROUNDWATER DISPLACED BY THE STRUCTURE V = AREA x SUBMERGED DEPTH (31.6 SF)(4.0) = 126.4 CF. THE WEIGHT OF THE WATER DISPLACED BY THE PARTIALLY SUBMERGED STRUCTURE W = 126.4 CF x 62.4 LBS. PER CF = 7,887 LBS. APPLYING A SAFETY FACTOR OF 1.5, THE UPWARD FORCE (BUOYANCY) EXERTED ON THE PARTIALLY SUBMERGED STRUCTURE IS 11,831 LBS. THE DOWNWARD FORCE OF 19,800 LBS. EXCEEDS THE UPWARD FORCE (INCLUDING SAFETY FACTOR OF 1.5) OF 11,831 LBS. AND, THEREFORE, BUOYANCY IS NOT A CONCERN.



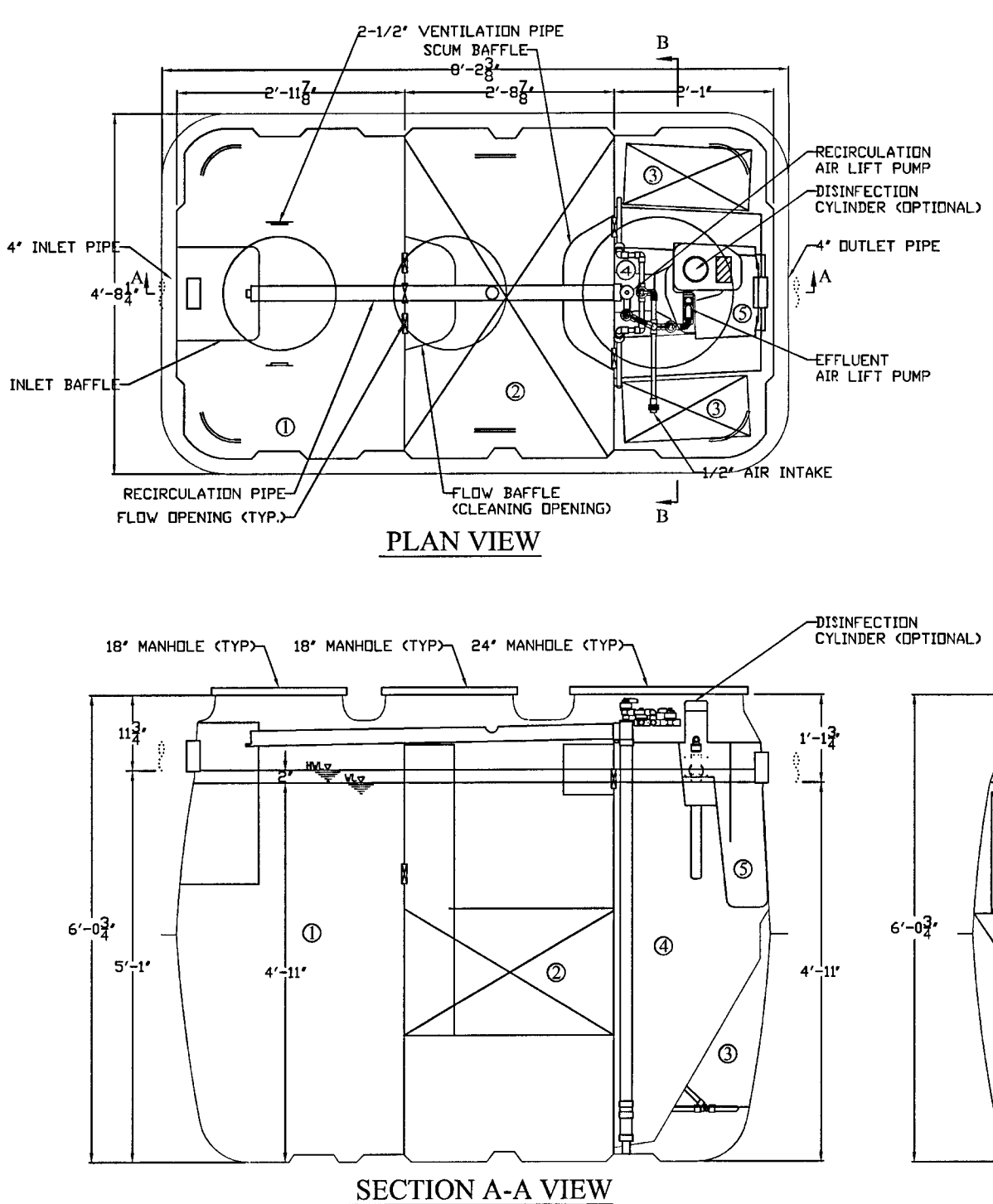
PLAN VIEW

Table with 2 columns: CHAMBER and Volume (gal). Rows include Sedimentation Chamber (277), Anaerobic Filtration Chamber (278), Aerobic Contact Filtration Chamber (127), Storage Chamber (63), and Disinfection Chamber (4). Total Volume is 749.

Table with 2 columns: ANAEROBIC MEDIA and FILLING RATE. Rows include Board Type Aerobic Media (PP / PE, 32%), Aerobic Media (PP / PE, 17%), and Blower (2.8 cfm, 55%).



SECTION A-A VIEW

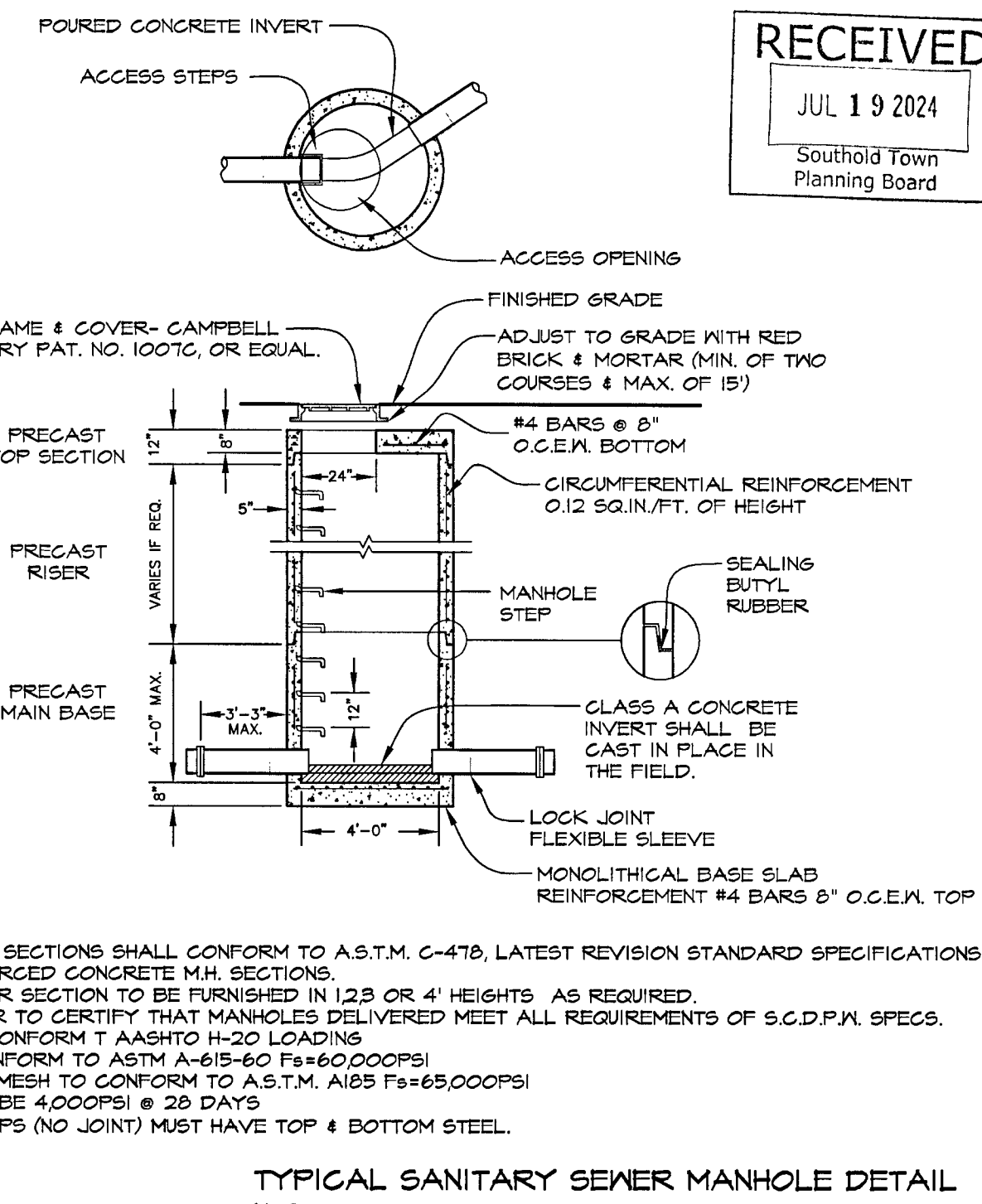


PLAN VIEW

SECTION B-B VIEW

Table with 2 columns: CHAMBER and Volume (gal). Rows include Sedimentation Chamber (397), Anaerobic Filtration Chamber (396), Aerobic Contact Filtration Chamber (181), Storage Chamber (90), and Disinfection Chamber (6). Total Volume is 1069.

Table with 2 columns: SPECIFICATIONS and FILLING RATE. Rows include Anaerobic Media (PP / PE, 32%), Board Type Aerobic Media (PVC / PP / PE, 17%), Aerobic Media (PP / PE, 55%), Blower (2.8 cfm), Tank (FRP), Piping (PVC / PP / PE), Access Covers (Plastic / Cast Iron), and Disinfectant (Optional) (Chlorine Tablets).



TYPICAL SANITARY SEWER MANHOLE DETAIL NTS

NOTES: 1. ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MH. SECTIONS. 2. MANHOLE RISER SECTIONS TO BE FURNISHED IN 12\"/>

Young associates logo and contact information: 400 Ostrander Avenue, Riverhead, New York 11901. Tel: 631.727.2303. Fax: 631.727.0144. Email: admin@youngengineering.com. Howard W. Young, Land Surveyor; Thomas C. Wolpert, Professional Engineer; Douglas E. Adams, Professional Engineer; Daniel A. Weaver, Land Surveyor.

SANITARY DESIGN CRITERIA & CALCULATIONS

SEWAGE DESIGN CRITERIA: GROUNDWATER MANAGEMENT ZONE = ZONE IV; ALLOWABLE SANITARY FLOW = 600 GPD/ACRE; BUILDABLE LANDS = 15,8345 AC x 600 GPD/AC = 9,501 GPD. PROJECT DENSITY SEWAGE FLOW: RESIDENCE = 300 GPD; OFFICE: 2,702 SF @ 0.06 GPD/SF = 162 GPD; MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP = 400 GPD; GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF = 196 GPD; BOAT STORAGE: 61,205 SF @ 0.04 GPD/SF = 2,448 GPD.

DESIGN CALCULATIONS SANITARY SYSTEM NO. 1: EXISTING: GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF = 196 GPD; BOAT STORAGE: 61,205 SF @ 0.04 GPD/SF = 2,448 GPD; TOTAL DESIGN FLOW = 2,644 GPD. PROPOSED: BOAT STORAGE: 65,100 SF @ 0.04 GPD/SF = 2,604 GPD; NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF = 9 GPD; TOTAL DESIGN FLOW = 2,613 GPD.

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2: EXISTING: OFFICE: 2,702 SF @ 0.06 GPD/SF = 162 GPD; MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP = 400 GPD; TOTAL DESIGN FLOW = 562 GPD. PROPOSED: BOAT STORAGE: 65,100 SF @ 0.04 GPD/SF = 2,604 GPD; NON-STORAGE (BATHROOMS): 152 SF @ 0.06 GPD/SF = 9 GPD; TOTAL DESIGN FLOW = 2,613 GPD.

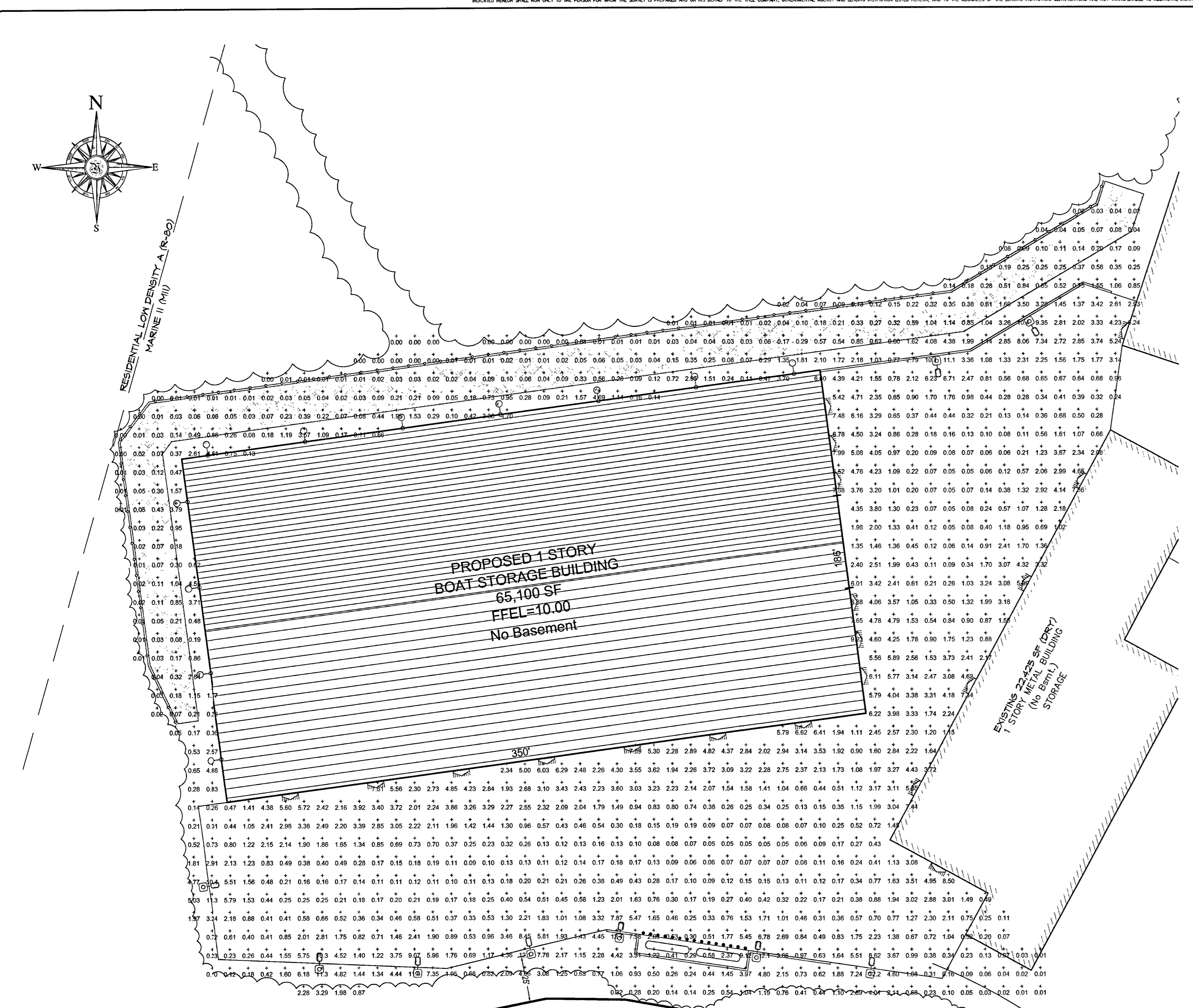
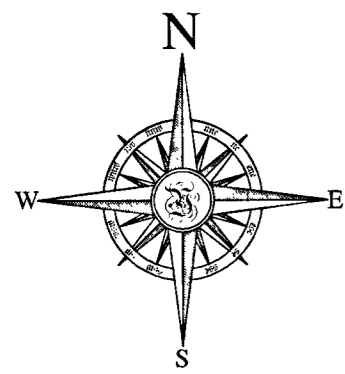
NOTE: THERE ARE NO PUMP-OUT HOLDING TANKS ON THE SUBJECT PROPERTY.

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 FACILITIES, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE. Signature: Howard W. Young. License: HOWARD W. YOUNG, N.Y.S. L.S. NO. 45849N; THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483; DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80894T.

SURVEYOR'S CERTIFICATION: I HEREBY CERTIFY THAT THIS MAP WAS PREPARED UTILIZING OFFICE RECORDS, AND BOUNDARY AND TOPOGRAPHICAL SURVEYS MADE BY US, AND/OR UNDER OUR DIRECTION. Signature: Howard W. Young. License: HOWARD W. YOUNG, N.Y.S. L.S. NO. 45849N.

BOAT STORAGE BUILDINGS STRONG'S YACHT CENTER at Mattituck, Town of Southold, Suffolk County, New York. REVISIONS: 0100, 106, 06, 10. MAP PREPARED: JUL. 09, 2018. Scale: AS SHOWN. JOB NO. 2017-0165. Date: 07/17/2024. 6 OF 18.

UNLAWFUL ALTERATION OR ADDITION TO THIS MAP OR TO ANY PART OF THE DATA THEREON SHALL BE PROHIBITED AND ANY SUCH ALTERATION SHALL BE CONSIDERED TO BE A VIOLATION OF THE ZONING LAW. THE LOCATION OF WELLS (W), SEPTIC TANKS (S) & CESSPOOLS (C) SHOWN HEREON ARE FOR INFORMATION ONLY AND ARE NOT TO BE USED TO DETERMINE PROPERTY LINES OR FOR ERECTION OF RECORDS. ANY SUCH ALTERATION SHALL BE PROHIBITED AND ANY SUCH ALTERATION SHALL BE CONSIDERED TO BE A VIOLATION OF THE ZONING LAW.



LIGHTING SCHEDULE

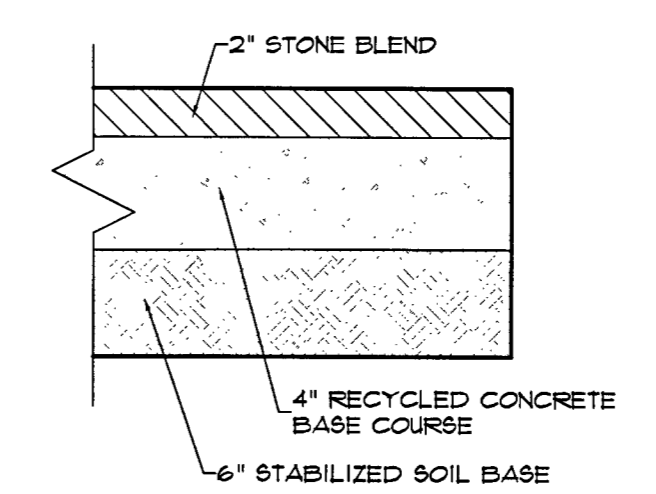
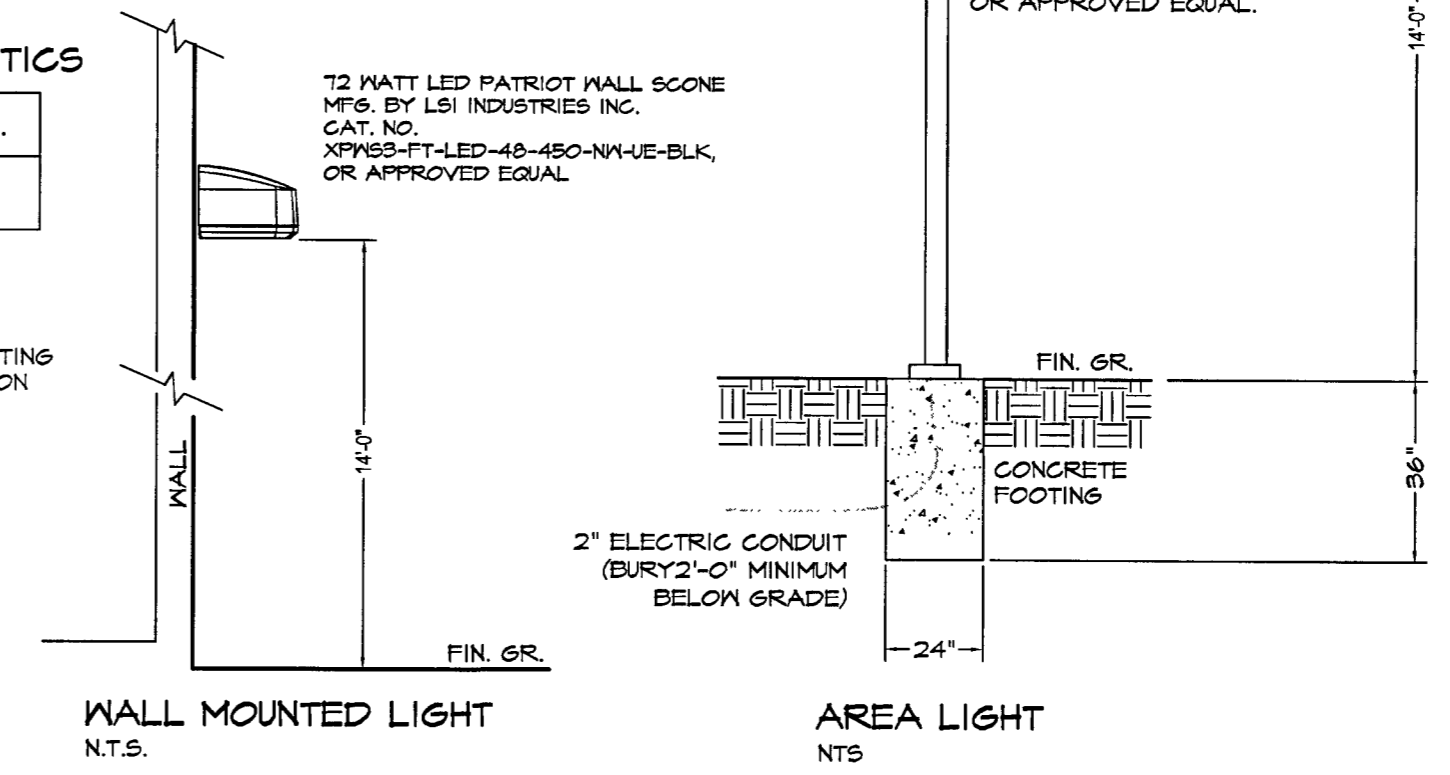
SYMBOL	QTY.	LUMINAIRE	TYPE	HGT.	LUMENS	L.L.F.
⊙	9	T8 WATT LED LUMINAIRE MFG. BY LSI INDUSTRIES INC. CAT. NO. PASU-S-LED-LN-NN-UE-BLK. OR APPROVED EQUAL.	AREA	14'	7,350	1.0
⊎	19	T2 WATT LED PATRIOT WALL SCENE MFG. BY LSI INDUSTRIES INC. CAT. NO. XPFS2-FT-LED-48-480-NN-UE-BLK. OR APPROVED EQUAL.	WALL	14'	5,800	1.0
○	11	T8 WATT LED WALL LIGHT MFG. BY LSI INDUSTRIES INC. CAT. NO. ALS-10W-4SK-BZ. OR APPROVED EQUAL.	WALL	10'	1,765	1.0

FOOTCANDLE STATISTICS

MIN.	MAX.	AVG.
0.00	12.98	1.54

LIGHTING NOTES

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



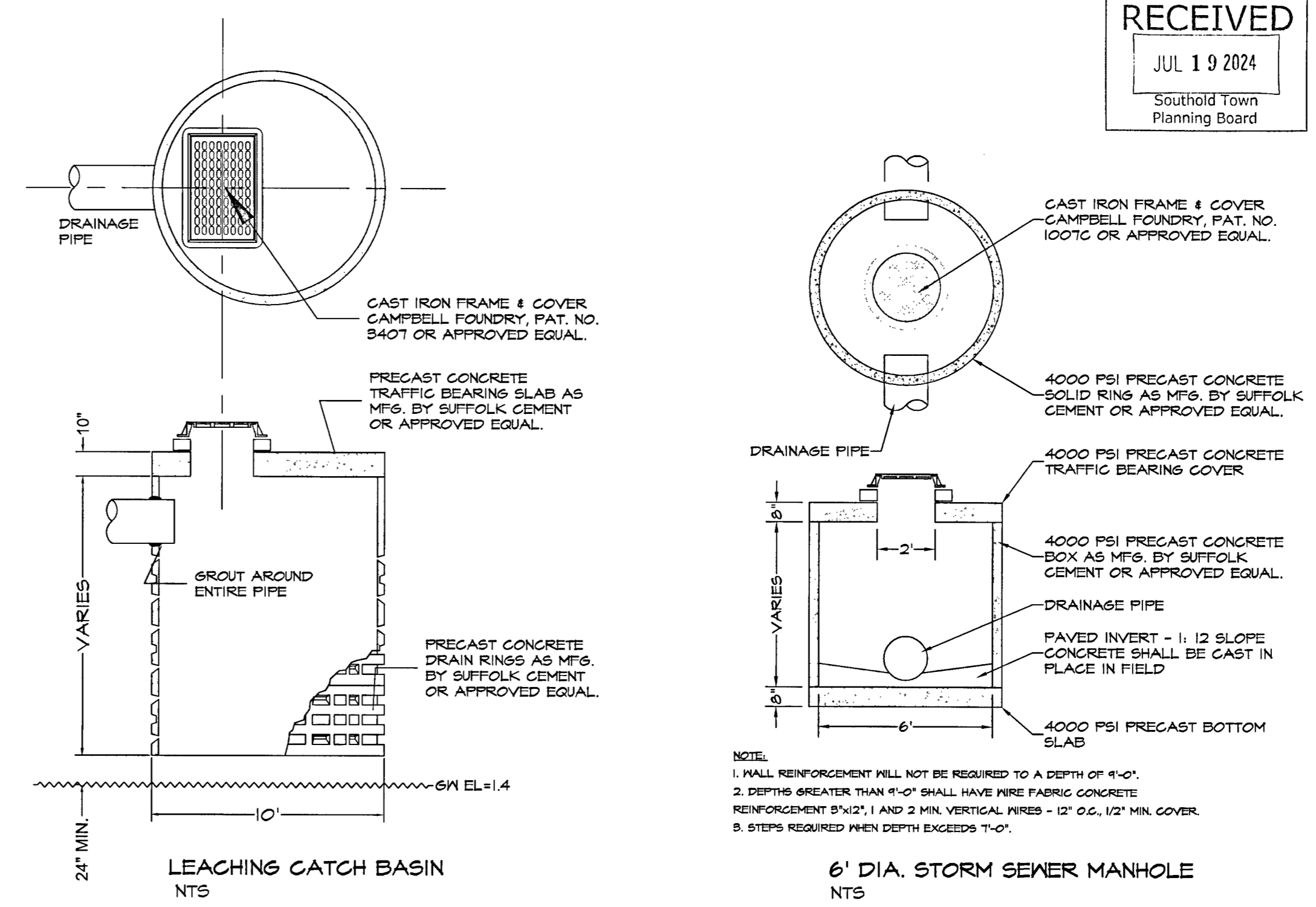
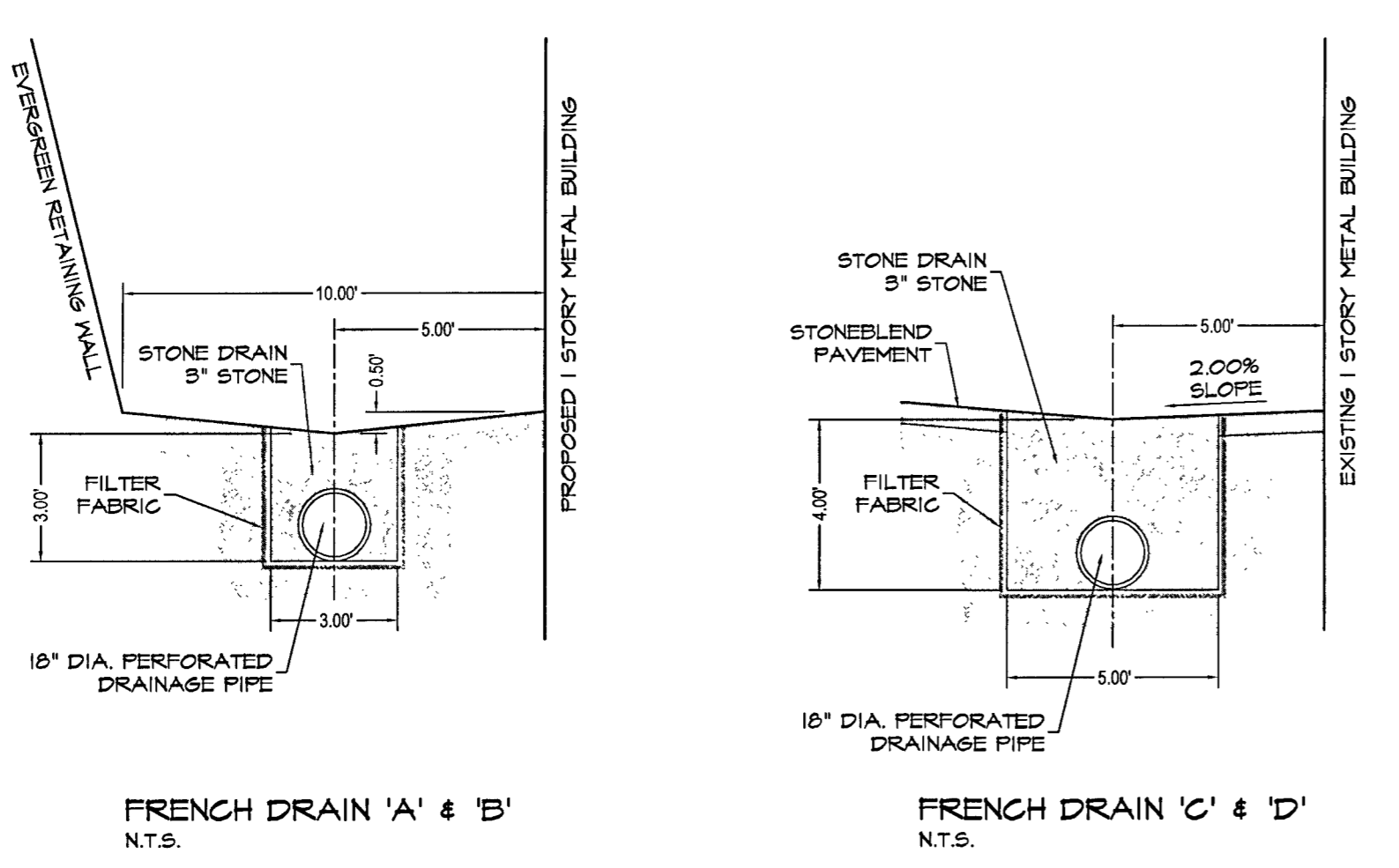
now or formerly Russell Zellner & Denise Zellner
subdivision Map of "Shore Acres"
filed on January 3, 1914 as Map no.41

NORTH DR.

now or formerly Joseph Seth Tusa & Noreen Mary Tusa
subdivision Map of "Shore Acres"
filed on January 3, 1914 as Map no.41

LIGHTING PLAN

SCALE: 1"=40'



400 Ostrander Avenue, Riverhead, New York 11901
tel. 631.727.2303 fax. 631.727.0144
admin@youngengineering.com

Young associates

Howard N. Young, Land Surveyor
Thomas C. Wolfert, Professional Engineer
Douglas E. Adams, Professional Engineer
Daniel A. Weaver, Land Surveyor

ENGINEER'S CERTIFICATION

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Thomas C. Wolfert
THOMAS C. WOLFERT, N.Y.S. P.E. NO. 61489
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847

SURVEYOR'S CERTIFICATION

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Howard N. Young
HOWARD N. YOUNG, N.Y.S. L.S. NO. 45893

BOAT STORAGE BUILDINGS STRONG'S YACHT CENTER

at Mattituck, Town of Southold
Suffolk County, New York

REVISED SITE PLAN

DETAILS

County Tax Map District 1000 Section 106 Block 06 Lot 13.4

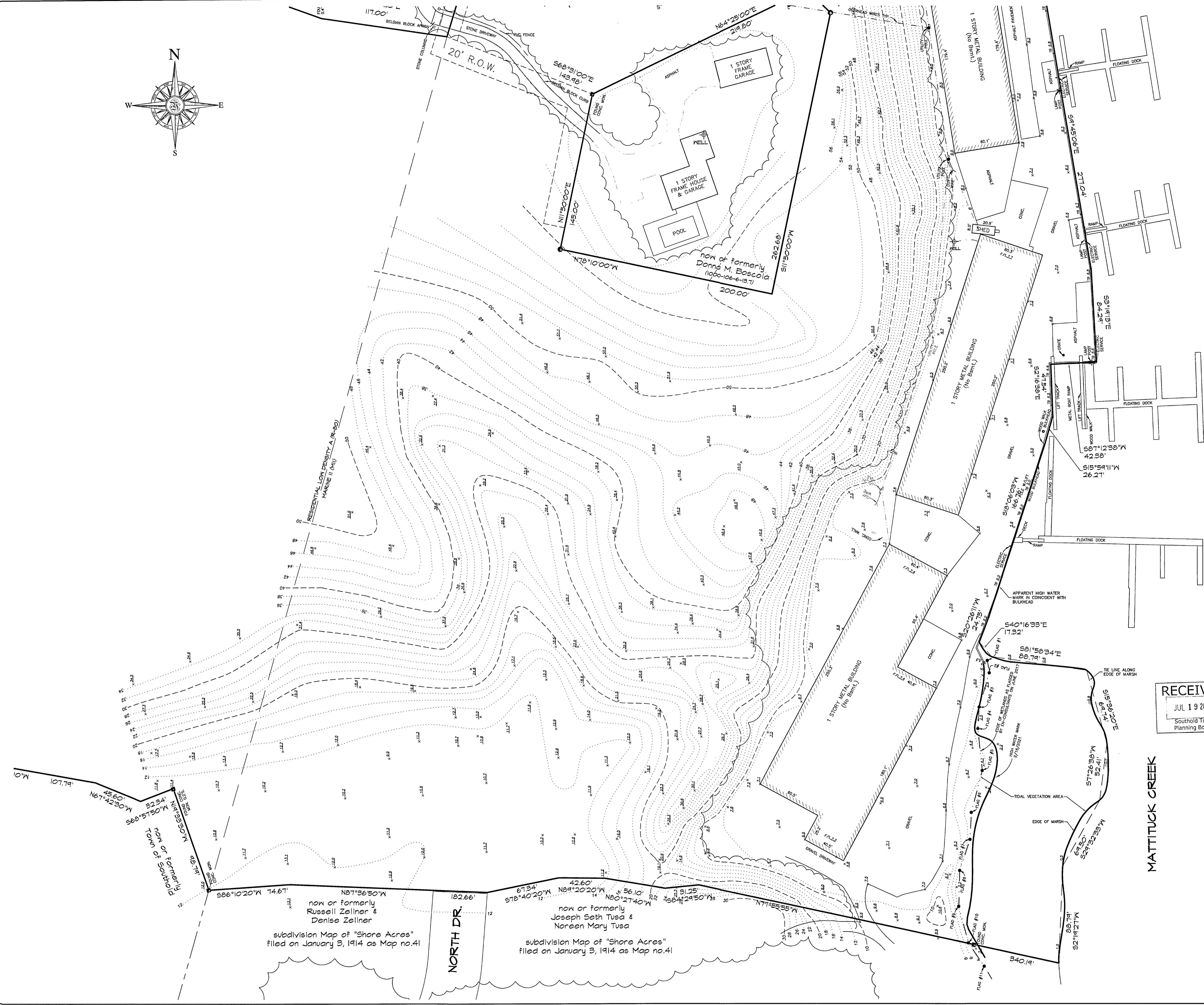
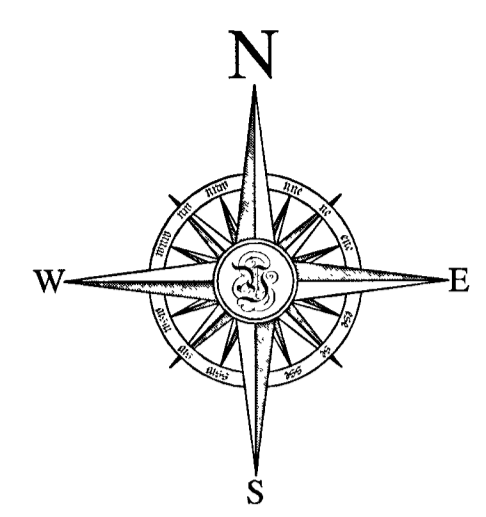
MAP PREPARED JUL. 09, 2018

REVISION	Record of Revisions	DATE
1	REVISION	MAY 08, 2018
2	REVISION	JULY 19, 2024
3	REVISION	JULY 19, 2024
4	REVISION	MAY 18, 2018
5	REVISION	MAY 18, 2018
6	REVISION	MAY 18, 2018
7	REVISION	MAY 18, 2018
8	REVISION	MAY 18, 2018
9	REVISION	MAY 18, 2018
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Scale: AS SHOWN

JOB NO. 2017-0165
DWG. 2017_0165_site plan_2

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 Thomas C. Wolpert, Professional Engineer
 Douglas E. Adams, Professional Engineer
 Daniel A. Weaver, Land Surveyor

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 N. Young
 HOWARD N. YOUNG, N.Y.S. L.S. NO. 45849n
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61489
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80897

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 N. Young
 HOWARD N. YOUNG, N.Y.S. L.S. NO. 45849n

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 JUL 19 2024
 Southold Town Planning Board

STATE OF NEW YORK
 HOWARD N. YOUNG
 LICENSED LAND SURVEYOR
 45849n

**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York
EXISTING SITE PLAN
EXISTING CONDITIONS MAP

County Tax Map District 1000 Section 106 Block 06 Lot 10
 MAP PREPARED MAY 22, 2014

REVISION	Record of Revisions	DATE
1	REVISION	DEC 15 2020
2	REVISION	MAR 13 2021
3	REVISION	MAY 28 2021
4	REVISION	OCT 18 2021
5	REVISION	MAY 28 2022
6	REVISION	MAY 28 2022
7	REVISION	OCT 18 2022
8	REVISION	JULY 12 2024

Scale: 1" = 40'
 JCB No. 2017-0165
 DMS. 2017_0165_site plan_2 8 OF 18

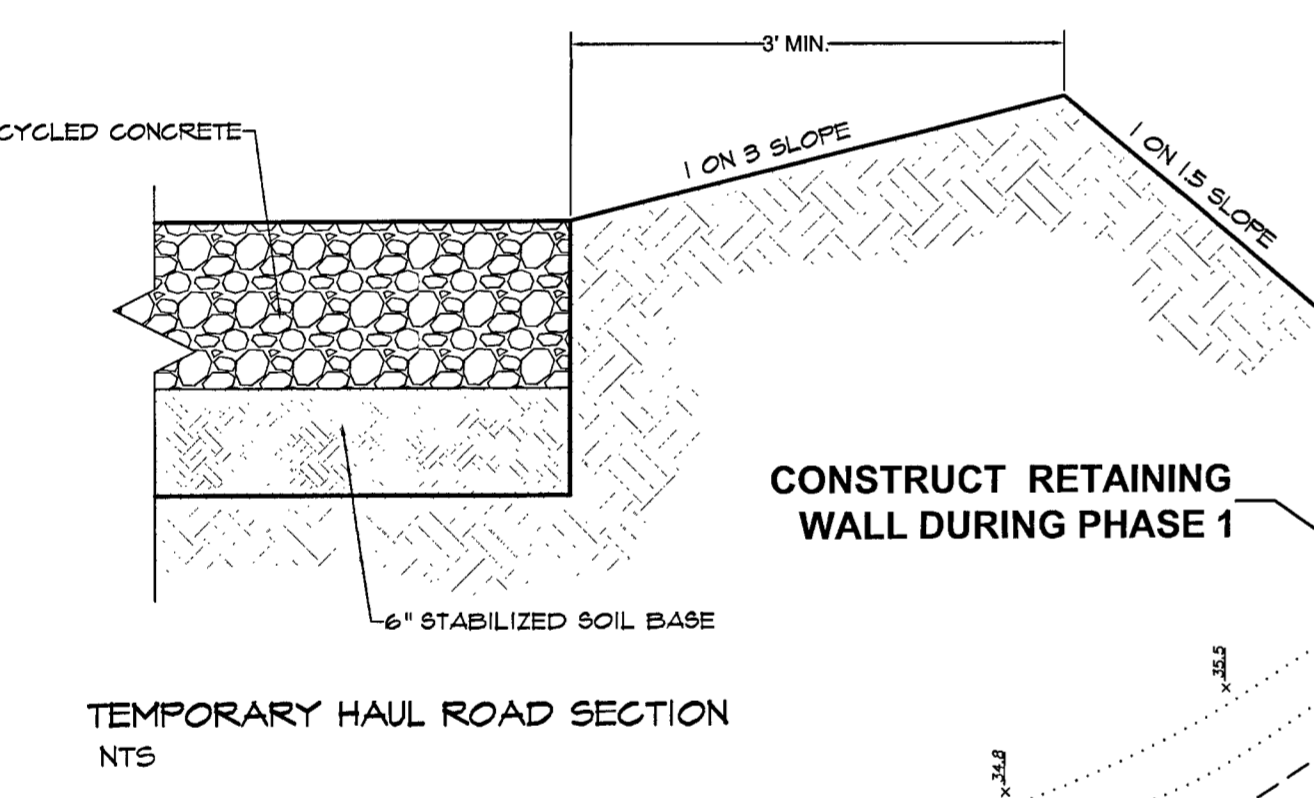
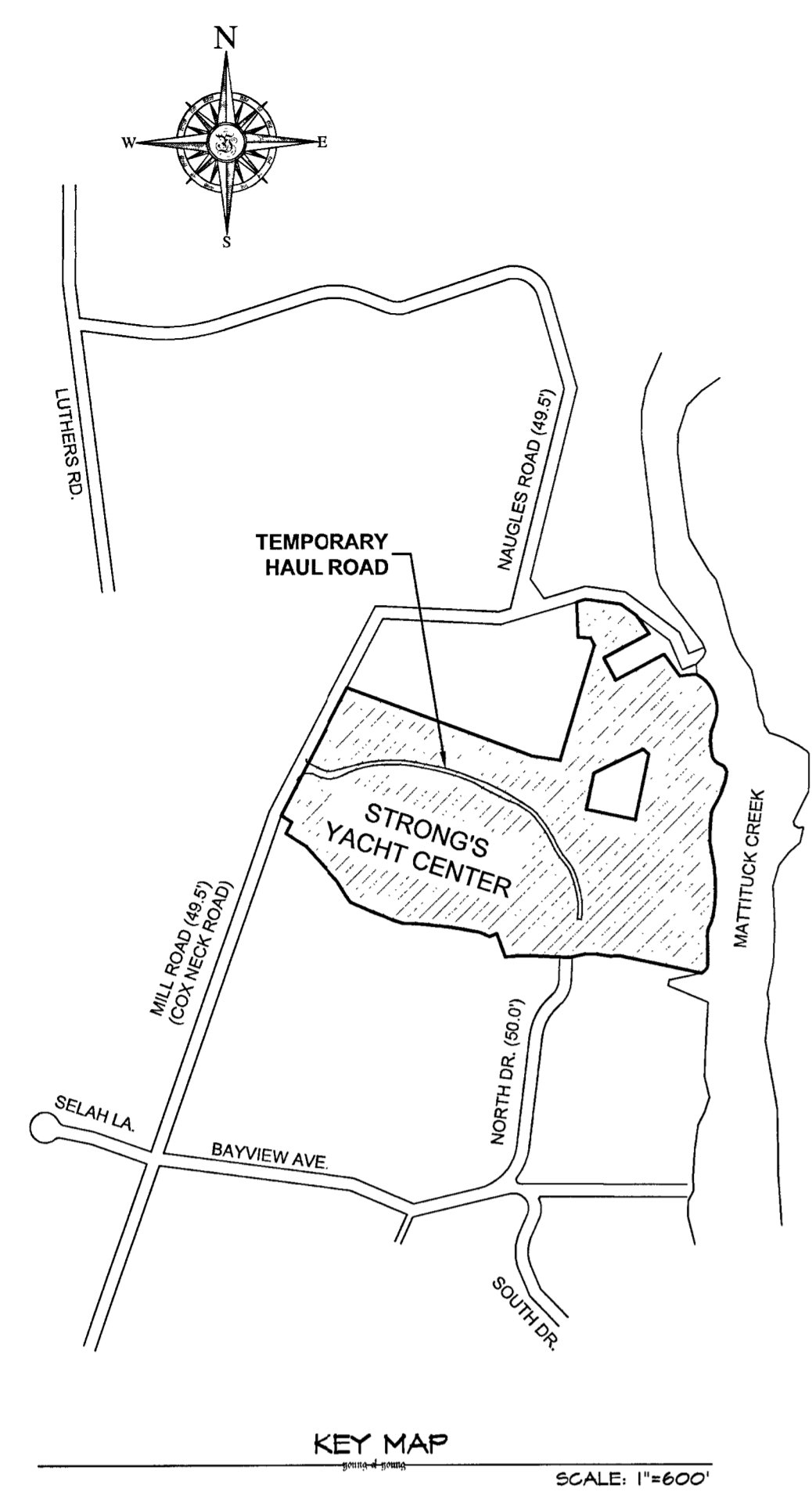
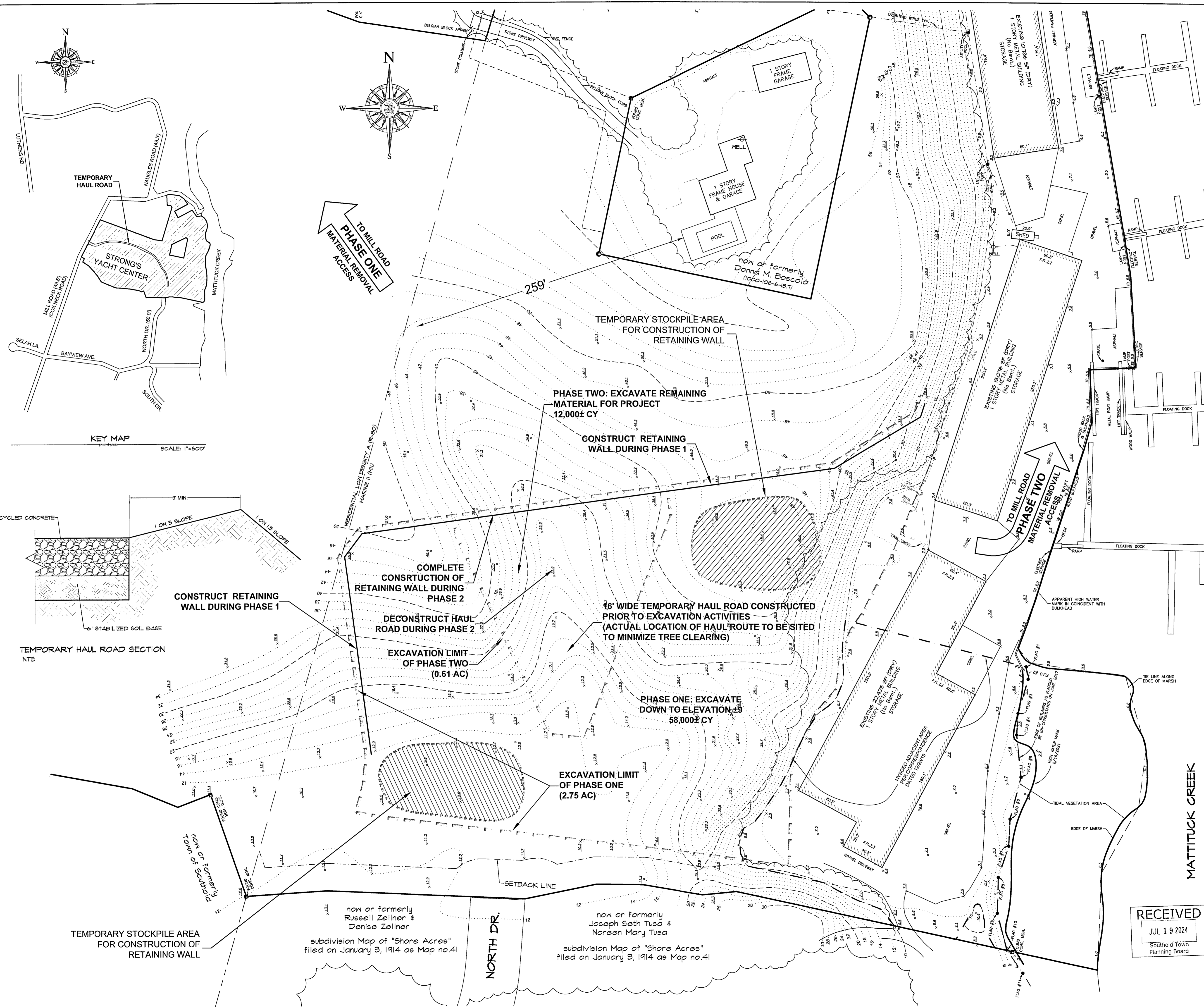
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 PLOTTED BY: JCB
 PLOT DATE: JUN 16, 2024 - 11:03am

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 admin@youngengineering.com

Young associates

Howard N. Young, Land Surveyor
 Thomas C. Wolpert, Professional Engineer
 Douglas E. Adams, Professional Engineer
 Daniel A. Weaver, Land Surveyor



ENGINEER'S CERTIFICATION

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Scott

HOWARD N. YOUNG, N.Y.S. L.S. NO. 45843n
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 60841

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 N. Young

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

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

REVISED SITE PLAN
EXCAVATION PHASING PLAN

County Tax Map District 1000 Section 106 Book 06 Lot 10
 MAP PREPARED OCT. 23, 2014
 Record of Revisions

REVISION	DATE
PHASE AREAS	JULY 01, 2020
DRILL TESTS	MARCH 18, 2020
DOCKS & HWY	MAY 08, 2017
WATER	MAY 08, 2017
MULTIPLE	MAY 08, 2017
SEWER	OCT 12, 2016
SEWER	JAN 28, 2016
SEWER	JAN 28, 2016
SEWER	JAN 28, 2016
SEWER	JAN 28, 2016
REDUCED SLOPE	JULY 17, 2014

Scale: 1" = 40'

JOB NO. 2017-0165
 DWS, 2017_0165_site plan_2 9 OF 13

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 Southold Town
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PLOT DATE: JUL 19, 2024 - 1:50pm
 PWS FILE: R:\2017\0165\Site Plan.dwg
 PLOT BY: HNS



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 A. YOUNG, N.Y.S. L.S. NO. 45848a
 THOMAS C. WOLPERT, 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 A. YOUNG, N.Y.S. L.S. NO. 45848a

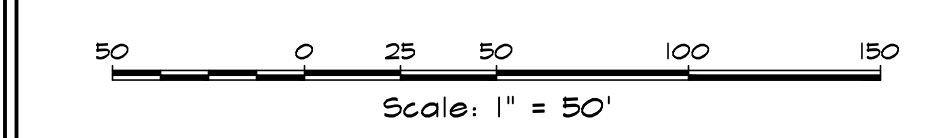
**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER
 at Mattituck, Town of Southold
 Suffolk County, New York
 REVISED SITE PLAN
 HAUL ROAD PLAN**

County Tax Map 1000 District 1006 Section 106 Block 06 Lot 13.4

MAP PREPARED DEC. 15, 2020

Record of Revisions

REVISION	DATE
DOCKS & HMM	MAR. 08. 2021
DOCKS	MAR. 12. 2021
M&T LPI	MAY 04. 2021
M&T LPI	OCT. 18. 2021
SCHEM NO. 043	MAY 03. 2022
SCHEM NO. 044	MAY 09. 2022
SCHEM NO. 045	JUNE 09. 2022
SCHEM NO. 046	OCT. 18. 2022
REVISION SCHEM	AUG. 17. 2024

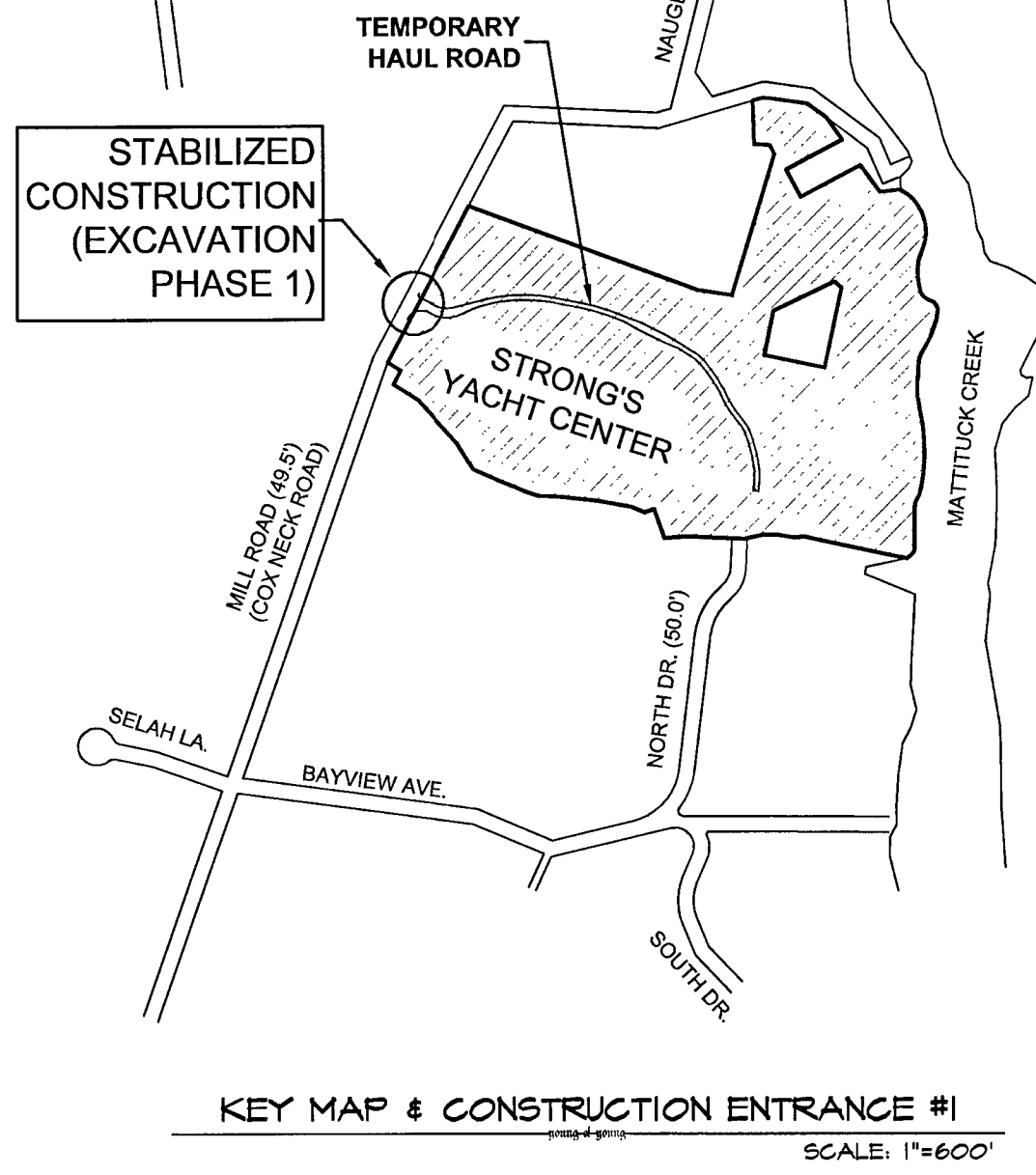
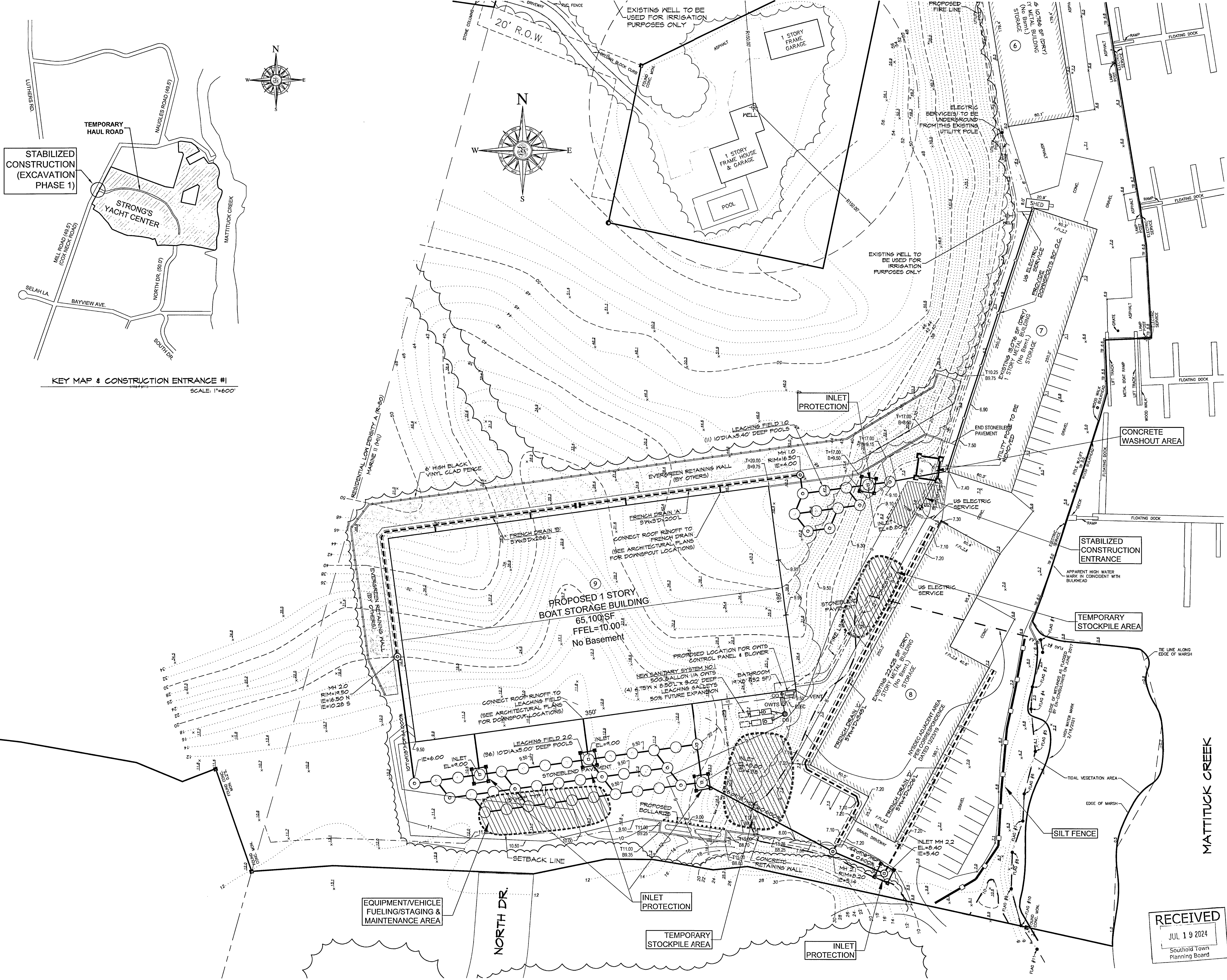


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 Douglas E. Adams, Professional Engineer
 Daniel A. Heaver, Land Surveyor

- GENERAL SEQUENCE OF SITE ACTIVITIES**
1. INSTALLATION OF PERIMETER EROSION CONTROL MEASURES (SILT BARRIERS, CONSTRUCTION ENTRANCE, ETC.)
 2. CONSTRUCTION OF TEMPORARY HAUL ROAD.
 3. CLEARING AND ROUGH GRADING, STOCKPILE OF TOPSOIL AND BACKFILL MATERIALS.
 4. EXCAVATION AND INSTALLATION OF RETAINING WALL.
 5. CONSTRUCTION OF BOAT STORAGE BUILDINGS.
 6. INSTALLATION OF STORM DRAINAGE AND APPROVED SEDIMENT CONTROL MEASURES.
 7. INSTALLATION OF SITE UTILITIES.
 8. INSTALLATION OF PAVEMENT.
 9. FINE GRADING AND VEGETATIVE STABILIZATION (TOPSOIL, SEED, SOD).
 10. INSTALLATION OF LANDSCAPING IMPROVEMENTS.
- II. ALL REMAINING TEMPORARY EROSION CONTROL DEVICES MAY BE REMOVED ONCE SUFFICIENT STABILIZATION HAS BEEN ACHIEVED, AND AS ORDERED BY QUALIFIED INSPECTOR.



ENGINEER'S CERTIFICATION

Howard M. Young
 HOWARD M. YOUNG, N.Y.S. L.S. NO. 45849H
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61485
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80897T

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

**REVISKED SITE PLAN
 EROSION & SEDIMENT CONTROL PLAN**

County Tax Map District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED OCT. 28, 2020

Record of Revisions

REVISION	DATE
SHEET NUMBER	DEC 14, 2020
DOCS	MAR 17, 2021
REVISED	MAY 04, 2021
MULTIPLE	OCT 18, 2021
SHORE NOVA3	MAY 08, 2023
SHORE NOVA4	MAY 08, 2023
SHORE NOVA5	MAY 08, 2023
SHORE NOVA6	OCT 18, 2023
SHORE NOVA7	OCT 18, 2023
SHORE NOVA8	OCT 18, 2023
SHORE NOVA9	OCT 18, 2023

Scale: 1" = 40'

RECEIVED
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 PLOT DATE: Jul 19, 2024 - 1:50pm
 PLOTTED BY: pgs

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

JOB NO. 2017-0165
 DWG: 2017_0165_site plan_2 11 OF 18

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Young associates

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Thomas C. Wolfert, Professional Engineer
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Daniel A. Weaver, Land Surveyor

GENERAL POLLUTION CONTROL MEASURES

- IN ACCORDANCE WITH THE PROVISIONS OF THE NYSDEC GENERAL STORMWATER PERMIT, STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING SHALL BE EMPLOYED DURING CONSTRUCTION:
- EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED (BY INSTALLATION OF CONSTRUCTION FENCE OR OTHER APPROVED MEANS) AND SHALL REMAIN UNDISTURBED.
 - CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE EXTENT OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED. GRADED AND STRIPPED AREAS SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURES SHALL BE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE RECOMMENDATIONS. IN AREAS WHERE SOIL DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED, TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES SHALL BE INSTALLED AND/OR IMPLEMENTED WITHIN SEVEN DAYS.
 - THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
 - SEDIMENT SHALL BE TRAPPED ON THE SITE AND NOT PERMITTED TO ENTER ADJACENT PROPERTIES OR PUBLIC ROADS OR DRAINAGE SYSTEMS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG THE LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
 - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.
 - ALL RUNOFF SHALL BE RETAINED ON-SITE IN ACCORDANCE WITH LOCAL REGULATIONS AND APPROVALS. DRAINAGE INLETS INSTALLED ON-SITE SHALL BE PROTECTED FROM SEDIMENT BUILDUP THROUGH THE USE OF APPROPRIATE INLET PROTECTION.
 - THE FOLLOWING MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION: A. WATER-DOWN ACCESS MATS; STOCKPILES, AND MATERIAL PRIOR TO LOADING; B. LIMIT ON-SITE VEHICULAR SPEEDS TO 5 MPH; C. PROPERLY COVER TRUCKS CARRYING LOOSE MATERIAL AND CONSTRUCTION DEBRIS.
 - SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. FOLLOWING PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED OF SOIL AND DEBRIS AND DRAINAGE SYSTEMS SHALL BE CLEANED AND FLUSHED AS NECESSARY.
 - PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED AS INDICATED BY PERIODIC INSPECTION AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES ARE TO INCLUDE BUT ARE NOT LIMITED TO: CLEANING OF RECHARGE BASINS, SEDIMENT TRAPS AND DRYWELLS, CLEANING AND REPAIR OF SEDIMENT BARRIERS, REPAIR OF BERMS AND RUNOFF DIVERTERS, AND CLEANING AND REPAIR OF INLET PROTECTION DEVICES.
 - DURING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL REGULATIONS CONCERNING THE DISPOSAL OF SOLID WASTE AND DEBRIS AND TOXIC AND HAZARDOUS WASTE, AS WELL AS SANITARY SEWER AND SEPTIC SYSTEM REGULATIONS.
 - CONCRETE WASH-OUT OF READY-MIX TRUCKS IS NOT ENCOURAGED AT THIS SITE. CONCRETE WASH-OUT SHALL BE PROVIDED.
- UNLESS OTHERWISE DIRECTED BY THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE NECESSARY RECORDS OF CONSTRUCTION ACTIVITIES, PREPARATION OF INSPECTION REPORTS, AND REPORTING RELEASE OF POLLUTANTS TO THE PROPER AUTHORITIES AS NECESSARY TO COMPLY WITH THE NYSDEC GENERAL STORMWATER PERMIT. THE CONTRACTOR SHALL REPORT ANY REQUIRED MODIFICATIONS TO THE SWPPP NECESSITATED BY FIELD CONDITIONS OR CONSTRUCTION ACTIVITIES TO THE ENGINEER FOR REVIEW OF THE SWPPP WHERE APPROPRIATE.

ENGINEER'S CERTIFICATION

[Signature]

HOWARD N. YOUNG, N.Y.S. L.S. NO. 45645H
THOMAS C. WOLFERT, N.Y.S. P.E. NO. 61483
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847

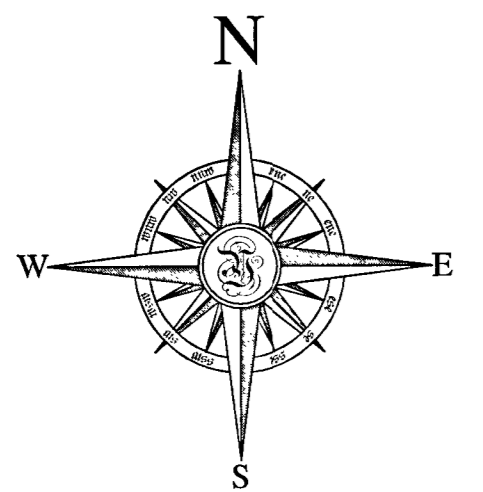
**BOAT STORAGE BUILDINGS
STRONG'S YACHT CENTER**
at Mattituck, Town of Southold
Suffolk County, New York
**REVISED SITE PLAN
EROSION & SEDIMENT CONTROL PLAN**

County Tax Map District 1000 Section 106 Block 06 Lot 13.4
MAP PREPARED OCT. 20, 2020

REVISION Record of Revisions

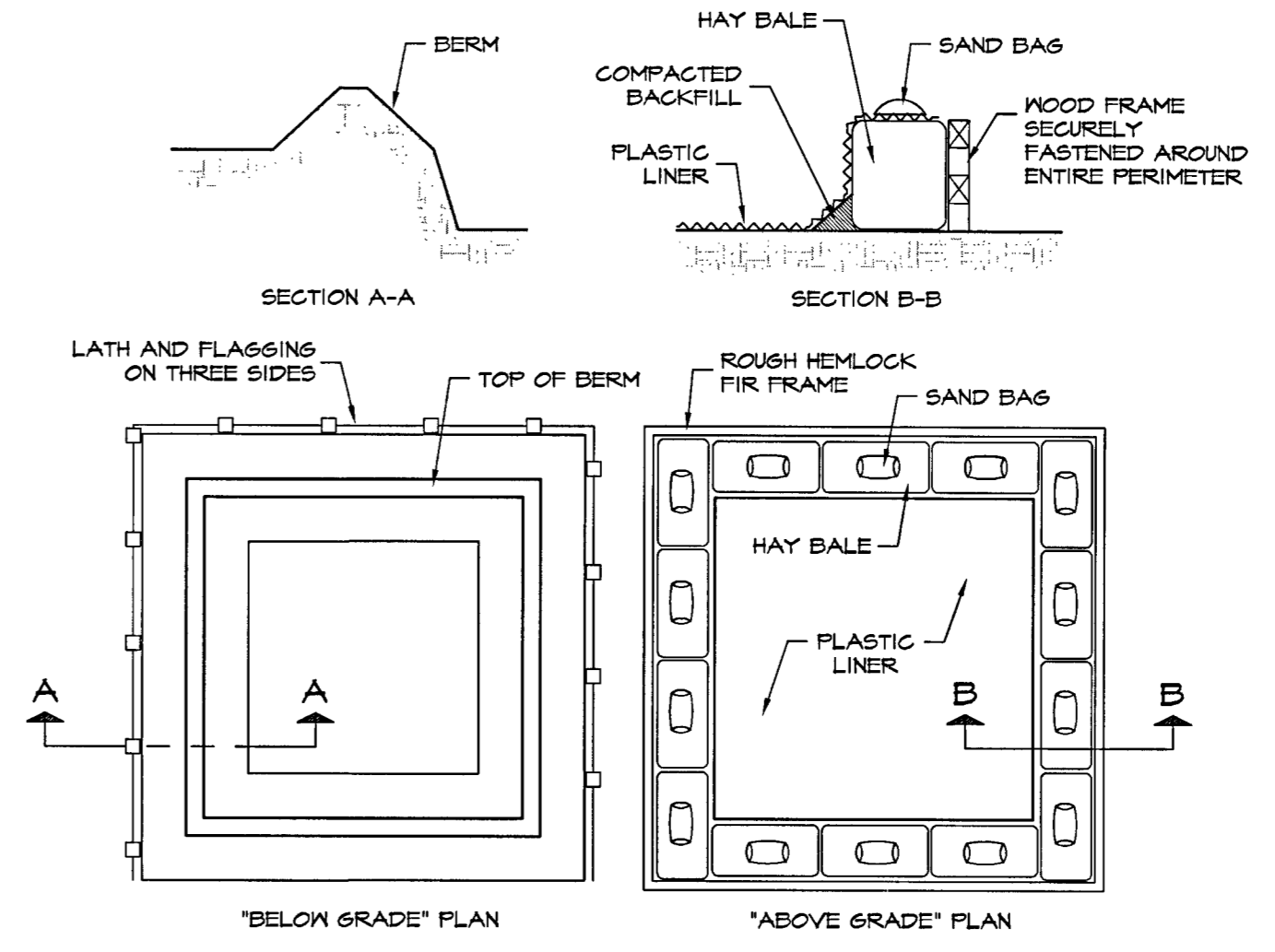
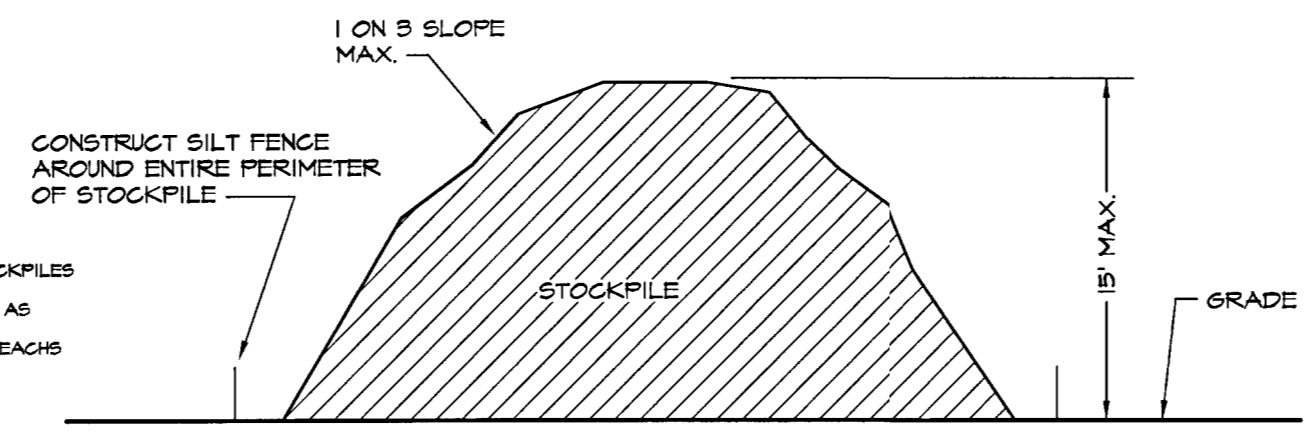
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SHEET NUMBER	DEC 18, 2020
DESIGN NUMBER	MAR 08, 2021
DATE	MAY 04, 2021
DATE	MAY 19, 2021
DATE	JUN 03, 2022
DATE	JUN 05, 2023
DATE	NOV 19, 2023
DATE	JULY 17, 2024

Scale: 1" = 40'

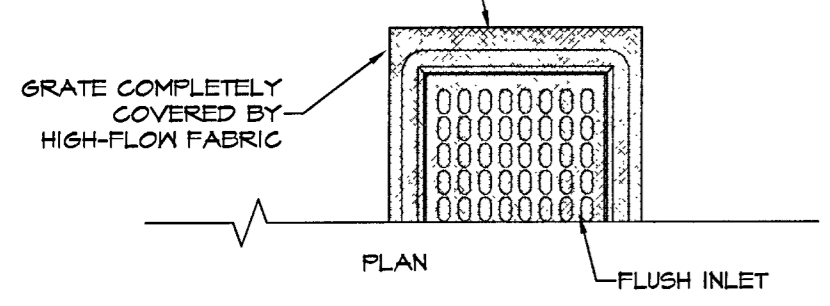


CONSTRUCTION NOTES

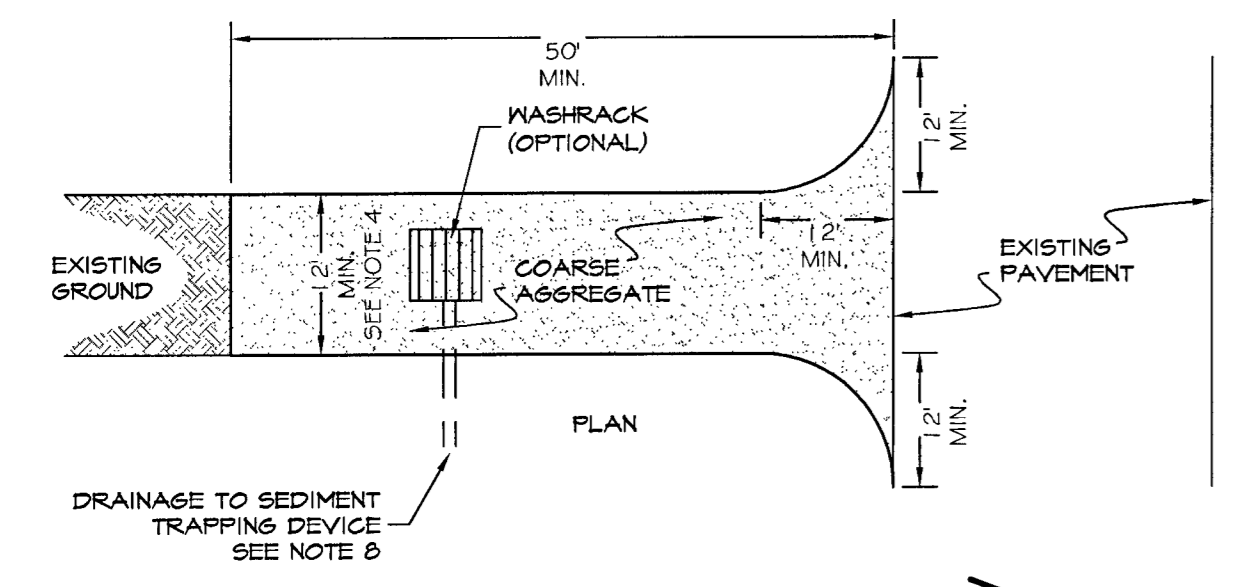
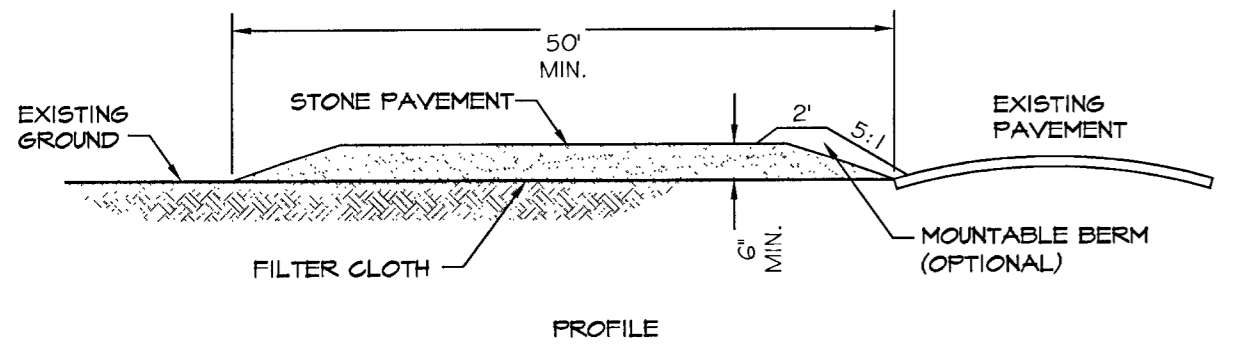
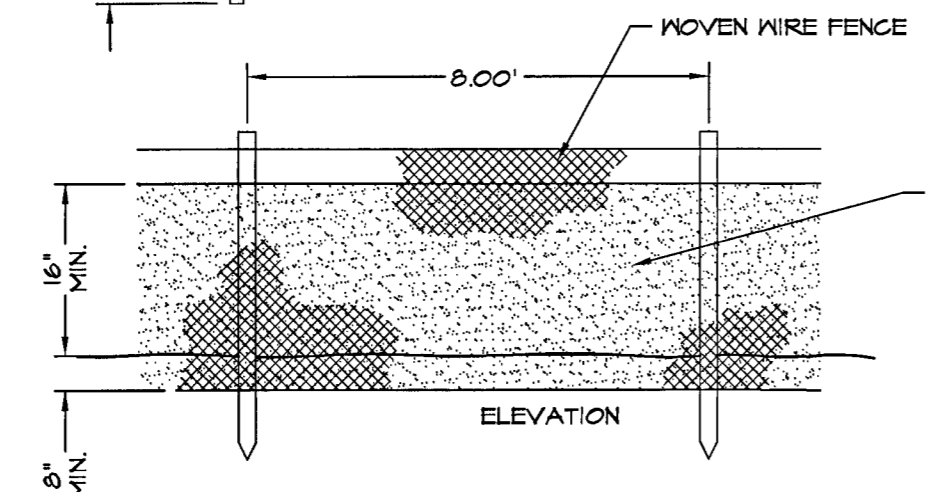
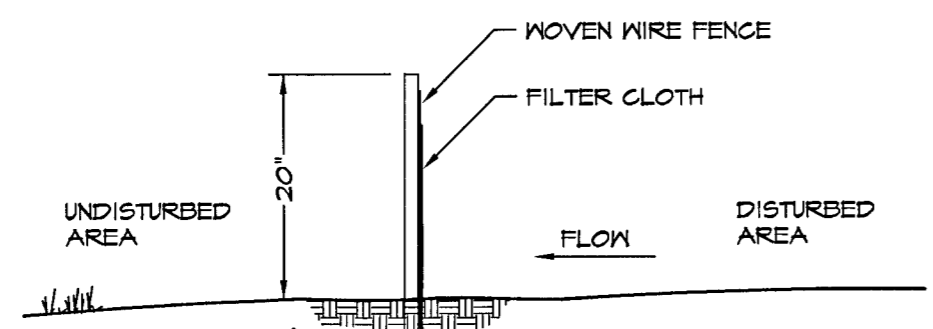
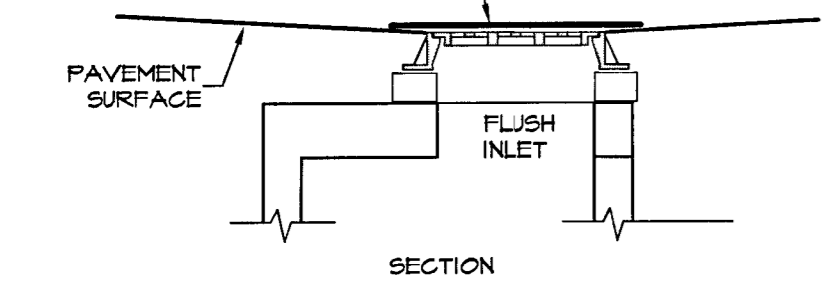
- PROTECTION OF STOCKPILES IS A YEAR-ROUND REQUIREMENT.
- STOCKPILES SHALL BE LOCATED A MINIMUM OF 50 FT. FROM CONCENTRATED STORMWATER FLOWS AND INLETS.
- WIND EROSION CONTROL PRACTICES SHALL BE USED ON ALL STOCKPILES AS APPROPRIATE.
- REPAIR AND/OR REPLACE PERIMETER CONTROLS AS NEEDED, OR AS DIRECTED BY ENGINEER.
- SEDIMENTS SHALL BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-THIRD (1/3) OF THE BARRIER HEIGHT.



USE DANDY BAG SEDIMENT CONTROL DEVICE AS MFG BY DANDY PRODUCTS OR APPROVED EQUAL



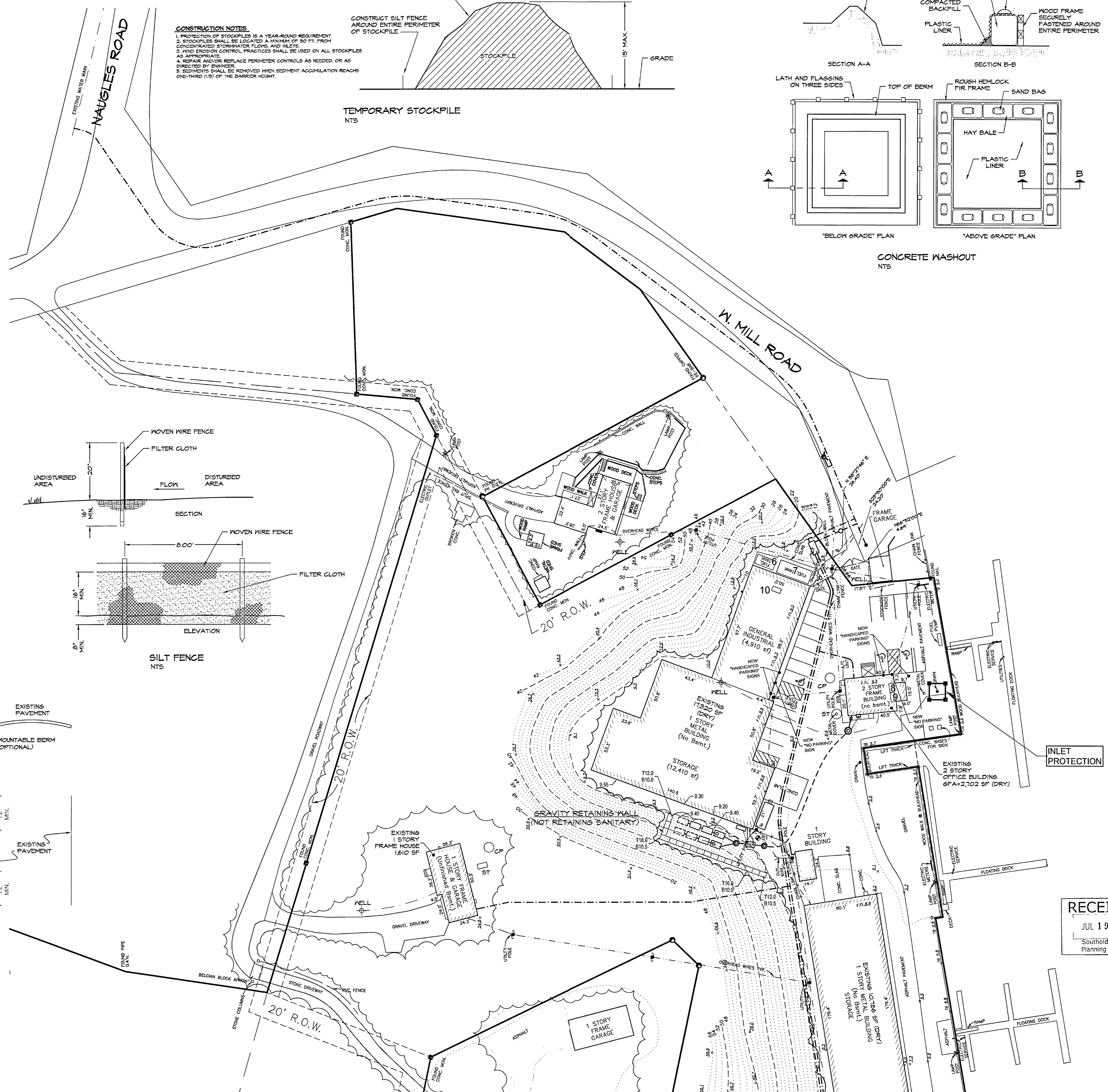
USE DANDY BAG SEDIMENT CONTROL DEVICE AS MFG BY DANDY PRODUCTS OR APPROVED EQUAL



CONSTRUCTION NOTES

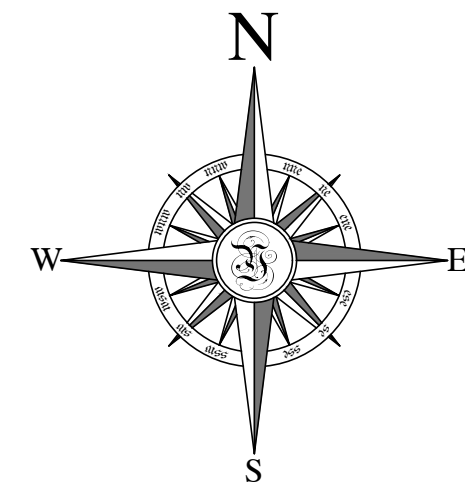
- STONE SIZE - USE 2" STONE, OR A RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 4".
- WIDTH - 12" MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DISCHARGED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED EVERY SEVEN (7) CALENDAR DAYS.

STABILIZED CONSTRUCTION ENTRANCE NTS



RECEIVED
JUL 19 2024
Southold Town Planning Board

DWG FILE: R:\2017\0165\170165_0165_Site Plan.dwg, PLOT DATE: JUN 18, 2024 - 1:53pm, PLOTTED BY: PWS



DWG FILE: R:\2017\2017_0165\Site Plan\2017_0165_Site Plan_2.dwg
 PLOT DATE: Jul 18, 2024 - 12:37pm
 PLOTTED BY: HJ

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 FACILITIES, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE.

HOWARD W. YOUNG, N.Y.S. L.S. NO. 45848a
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 60841

SURVEYOR'S CERTIFICATION

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

HOWARD W. YOUNG, N.Y.S. L.S. NO. 45848

**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York
REVISED SITE PLAN
AERIAL OVERLAY

County Tax Map 1000 District 1006 Section 06 Block 06 Lot 13.4

MAP PREPARED MAY 04, 2021

REVISION	DATE
MULTIPLE	OCT 18, 2021
SCHEMATIC	JAN 03, 2022
SCHEMATIC	MAY 06, 2022
SCHEMATIC	JUNE 05, 2023
SCHEMATIC	OCT 16, 2024
REDUCED SCOPE	JULY 17, 2024

