

(C) UNREGISTERED ABSTRACTION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 1303 OF THE NEW YORK STATE EDUCATION LAW. (D) 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 DIRECTION OF TRAVEL. (E) COPIES OF THIS SURVEY MAY NOT BE MADE. THE LAND SURVEYOR'S SEAL OR ENGRAVED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (F) CERTIFICATION REQUIRED HEREIN SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND IS NOT TRANSFERABLE TO ANY OTHER PARTY. (G) THE LOCATION OF WELLS (W), SEPTIC TANKS (ST) AND CELESTIAL (CP) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND ARE NOT TO BE CONSIDERED AS A PART OF THIS SURVEY.



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

PRINCIPAL	CODE	PLAN
LOT SIZE	80,000 SF	117,085 SF
LOT WIDTH	150'	740'±
LOT DEPTH	150'	1600'±
FRONT YARD	95'	26.5'
SIDE YARD	25'	20.0'
BOTH SIDE YARDS	50'	77.1'
REAR YARD	25'	41.5'
LANDSCAPE AREA	20 %	51.4 %
LOT COVERAGE	30 %	24.7 %
BUILDING HEIGHT	35'	< 35'
NUMBER OF STORIES	2	2

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

Robert C. Taat, Architect
 Robert Stromski, Architect

SITE DATA

TOTAL AREA = 1,435,554 SF OR 32.9559 ACRES

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

VERTICAL DATUM = NAVD 1988

TOTAL DISTURBED AREA = 6.5125 ACRES

(R-80) DISTRICT

LOT AREA = 718,474 SF

(M-II) DISTRICT

LOT AREA = 717,085 SF
 WETLANDS AREA = 27,393 SF
 BUILDABLE LANDS = 689,752 SF OR 15.8945 AC

EXISTING BUILDING AREA = 64,076 SF
 PROPOSED BUILDING AREA = 101,500 SF
 TOTAL BUILDING AREA = 170,576 SF
 LOT COVERAGE = 170,576 SF / 689,752 SF = 24.7 %

EXISTING VEGETATED AREA TO BE RETAINED = 6.46 ACRES
 PROPOSED VEGETATED AREA = 1.67 ACRES
 TOTAL LANDSCAPE AREA = 8.13 ACRES
 PERCENT OF LANDSCAPE AREA = 8.13 AC / 15.89 AC = 51.4 %

NOTES

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

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 A. YOUNG, N.Y.S. L.S. NO. 45848B
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61489
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 8084T

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 A. YOUNG, N.Y.S. L.S. NO. 45848B

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

GENERAL LAYOUT

County Tax Map District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED JUL. 03, 2018

Record of Revisions

REVISION	DATE
TGS W/SD/EC	NOV. 20, 2018
NYSDSP	JAN. 02, 2020
BOSCOLA RESIDENCE	FEB. 10, 2020
SANITARY & DRAINAGE	JULY 01, 2020
SCDHS NOTAR	DEC. 15, 2020
DOCKS & HWY	MAR. 09, 2021
DOCKS	MAR. 12, 2021
MULTIPLE	MAY 04, 2021
MULTIPLE	OCT. 18, 2021

Scale: 1" = 100'

JOB NO. 2017-0165
 DATE: 2017.0165.site plan 1 OF 13

STRONG'S YACHT CENTER

DWG FILE: R:\2017\0165_Site\0165_Site.dwg, PLOT DATE: 06/06/2021 11:56am, PLOTTED BY: HAY

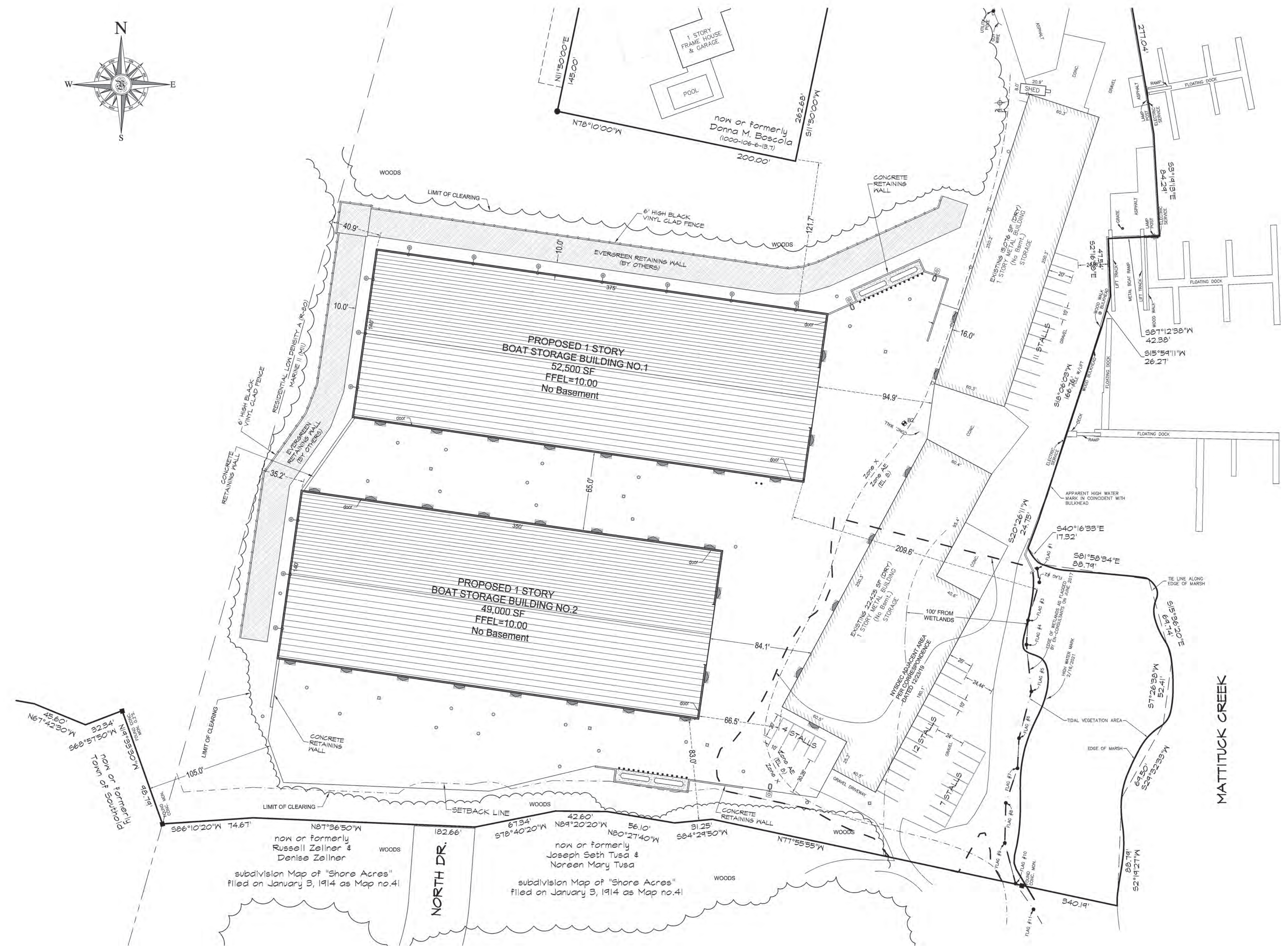
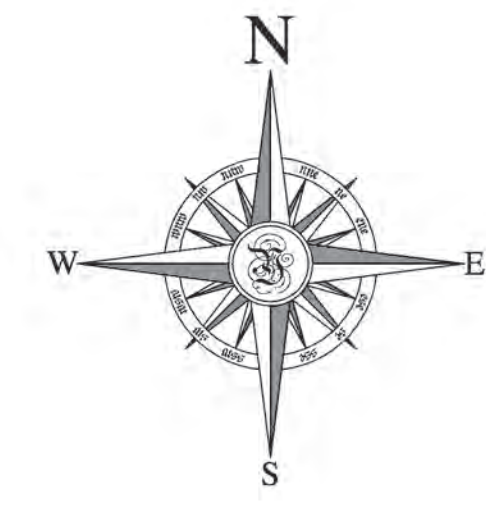
(1) UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 203 OF THE NEW YORK STATE EDUCATION LAW. (2) DISTANCES SHOWN HEREIN FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR DIRECTION OF FINES. (3) COPIES OF THIS SURVEY MAP NOT BEING THE LAND SURVEYOR'S SEAL OR ENCLOSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (4) CERTIFICATION REQUIRED HEREIN SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREIN, AND TO THE AGENTS OF THE LENDING INSTITUTION, CERTIFICATE AND NOT TRANSMISSIBLE TO ADDITIONAL INSTITUTIONS OF SUBSEQUENT OWNERS. (5) THE LOCATION OF WELLS, DEEP TANKS (DT) & CESSPOOLS (CP) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND NOT FROM DEEPENED PLANS.

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

ALIGNMENT PLAN

County Tax Map District 1000 Section 106 Block 06 Lot 10
 MAP PREPARED JUL. 03, 2018

Record of Revisions

REVISION	DATE
TOP W/SDC	NOV. 20, 2018
NYSDSP	JAN. 02, 2020
BOSCOLA RESIDENCE	FEB. 10, 2020
SANITARY & DRAINAGE	JULY 01, 2020
SCDHS NO. 42	DEC. 15, 2020
DOCKS & HWY	MAR. 08, 2021
DOCKS	MAR. 12, 2021
MULTIPLE	MAY 04, 2021
MULTIPLE	OCT. 18, 2021

Scale: 1" = 40'

DWG FILE: R:\2017\0165_Site plan.dwg
 PLOT DATE: Tue, 06, 2024 - 1:15pm
 PLOTTED BY: HAY

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

UNREGISTERED ARCHITECT OR ARCHITECT IN TRAINING OF THE STATE OF NEW YORK. THIS DRAWING IS A REVISION OF A PREVIOUS DRAWING. THE ARCHITECT'S SEAL AND SIGNATURE SHALL NOT BE CONSIDERED TO BE A VALID SEAL OR SIGNATURE IF THE ARCHITECT HAS BEEN DISCIPLINED OR EXPELLED FROM PRACTICE. THE ARCHITECT'S SEAL AND SIGNATURE SHALL NOT BE CONSIDERED TO BE A VALID SEAL OR SIGNATURE IF THE ARCHITECT HAS BEEN DISCIPLINED OR EXPELLED FROM PRACTICE.

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 = 26,947 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 = 5,421 CF
 TOTAL VOLUME PROVIDED = 5,425 CF

TRIBUTARY AREA NO.2

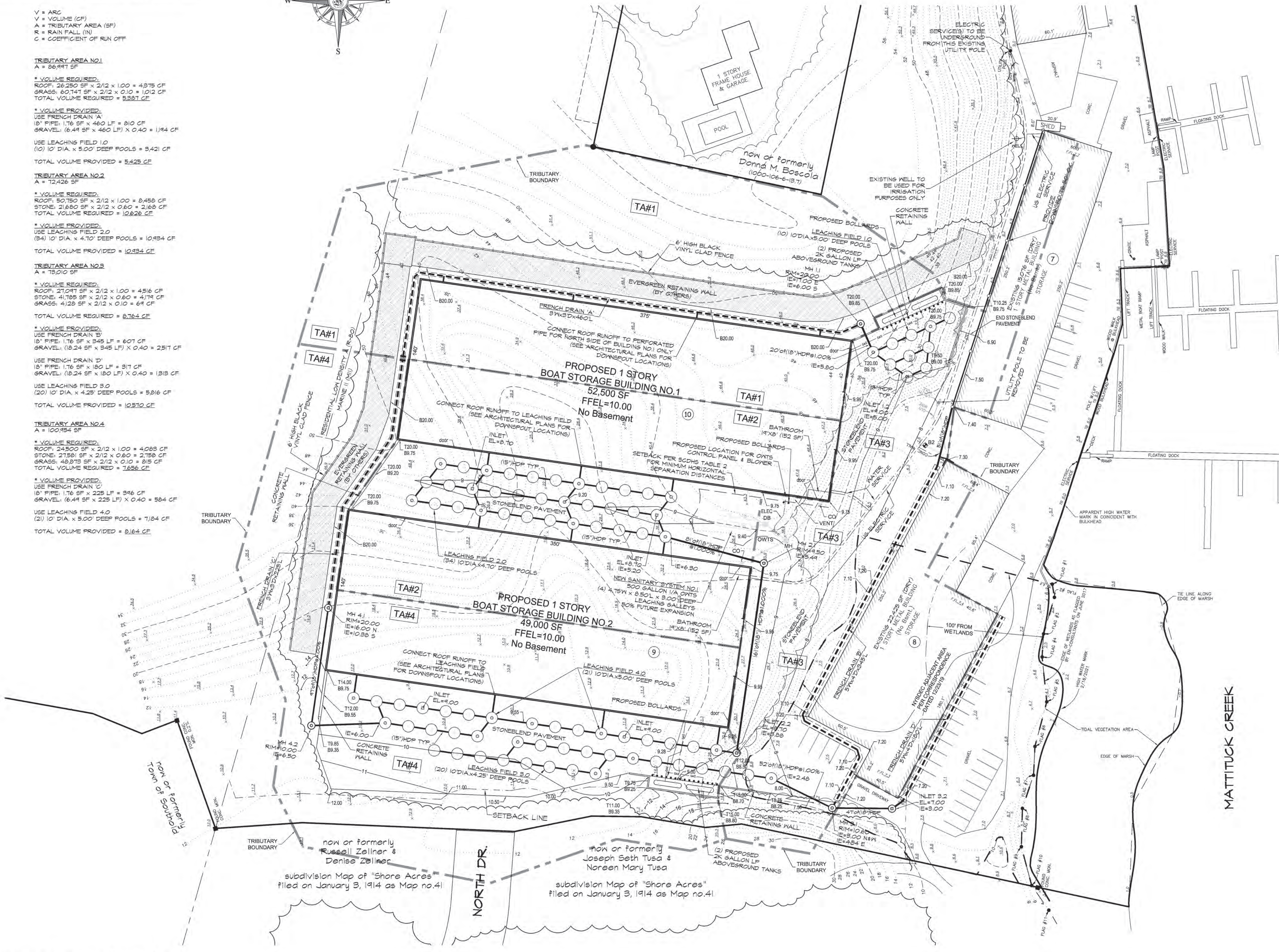
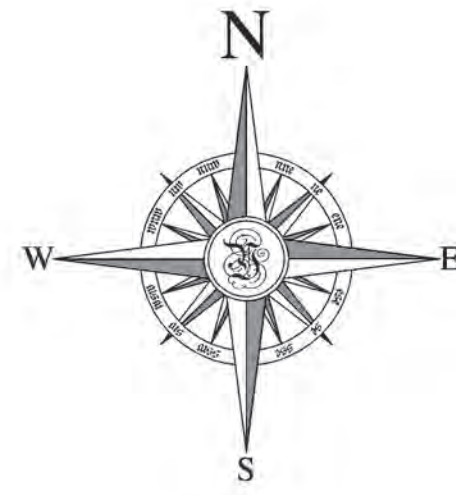
A = 12,426 SF
 * VOLUME REQUIRED:
 ROOF: 50,750 SF x 2/12 x 1.00 = 8,458 CF
 STONE: 2,650 SF x 2/12 x 0.60 = 2,169 CF
 TOTAL VOLUME REQUIRED = 10,627 CF
 * VOLUME PROVIDED:
 USE LEACHING FIELD 2.0
 (34) 10' DIA. x 4.70' DEEP POOLS = 10,934 CF
 TOTAL VOLUME PROVIDED = 10,934 CF

TRIBUTARY AREA NO.3

A = 15,010 SF
 * VOLUME REQUIRED:
 ROOF: 27,047 SF x 2/12 x 1.00 = 4,508 CF
 STONE: 4,785 SF x 2/12 x 0.60 = 4,714 CF
 GRASS: 4,128 SF x 2/12 x 0.10 = 64 CF
 TOTAL VOLUME REQUIRED = 9,286 CF
 * VOLUME PROVIDED:
 USE FRENCH DRAIN 'B'
 18" PIPE: 1.76 SF x 345 LF = 607 CF
 GRAVEL: (18.24 SF x 345 LF) x 0.40 = 2,511 CF
 USE FRENCH DRAIN 'D'
 18" PIPE: 1.76 SF x 180 LF = 317 CF
 GRAVEL: (18.24 SF x 180 LF) x 0.40 = 1,313 CF
 USE LEACHING FIELD 3.0
 (20) 10' DIA. x 4.25' DEEP POOLS = 5,916 CF
 TOTAL VOLUME PROVIDED = 10,537 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: 27,581 SF x 2/12 x 0.60 = 2,758 CF
 GRASS: 48,278 SF x 2/12 x 0.10 = 815 CF
 TOTAL VOLUME REQUIRED = 7,656 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
 (21) 10' DIA. x 5.00' DEEP POOLS = 7,164 CF
 TOTAL VOLUME PROVIDED = 8,144 CF



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EARTHWORK DATA

TOTAL EARTHWORK VOLUME = 134,921 CY (CUT)

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

ENGINEER'S CERTIFICATION

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**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. 03, 2018

REVISION	Record of Revisions	DATE
TOS, NYSD&C		JAN. 20, 2018
NYSD&C		JULY 01, 2020
BOSCOLA RESIDENCE		FEB. 10, 2020
SANITARY & DRAINAGE		JULY 01, 2020
SODIS NOTAR		DEC. 15, 2020
DOCKS & HWY		MAR. 08, 2021
DOCKS		MAR. 15, 2021
MULTIPLE		MAY 04, 2021
MULTIPLE		OCT. 18, 2021

Scale: 1" = 40'

JOB NO. 2017-0165
 DWG. 2017-0165_site plan 3 OF 13

DWG FILE: H:\2017\0165\17_0165\17_0165_0165.dwg
 PLOT DATE: Tue, 06, 2024 - 11:56am
 PLOTTED BY: HAY

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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
BUILDABLE LANDS = 15,8345 AC x 600 GPD/AC	=	9,501 GPD

PROJECT DENSITY SEWAGE FLOW

EXISTING:		
RESIDENCE:	2,702 SF @ 0.06 GPD/SF	= 162 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 @ 0.00 GPD/SF	= 0 GPD
PROPOSED:		
BOAT STORAGE:	101,196 SF @ 0.00 GPD/SF	= 0 GPD
NON-STORAGE (BATHROOMS):	304 SF @ 0.06 GPD/SF	= 18 GPD
TOTAL DENSITY		= 1,076 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:	101,196 SF @ 0.00 GPD/SF	= 0 GPD
NON-STORAGE (BATHROOMS):	304 SF @ 0.06 GPD/SF	= 18 GPD
TOTAL DESIGN FLOW		= 214 GPD

I/A OWTS REQUIRED

USE GEN-5 AS MFG BY FUJICLEAN USA	=	214 GAL
USE GEN-5 AS MFG BY FUJICLEAN USA	=	300 GAL

LEACHING

REQ. 196 GPD / 1.5 GPD/S.F.	=	131 SFSWA
LEACHING GALLEY SIZE:		
4.75'W x 8.50'L 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
USE GEN-7 AS MFG BY FUJICLEAN USA	=	700 GAL

LEACHING

REQ. 562 GPD / 1.5 GPD/S.F.	=	375 SFSWA
LEACHING GALLEY SIZE:		
4.75'W x 8.50'L x 3.00' DEEP = 74.5 SFSWA		
USE 5 GALLEYS @ 74.5 SFSWA EA.	=	368 SFSWA

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**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. 03, 2018

Record of Revisions

REVISION	DATE
TOP. W/SEDEC	NOV. 20, 2018
NYSDSP	JAN. 02, 2020
BOSCOLA RESIDENCE	FEB. 10, 2020
SANITARY & DRAINAGE	JULY 01, 2020
SCDHS NOTAR	DEC. 15, 2020
DOCKS & HWY	MAR. 08, 2021
DOCKS	MAR. 15, 2021
MULTIPLE	MAY 04, 2021
MULTIPLE	OCT. 18, 2021

Scale: 1" = 40'

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 = 167,446 SF @ 1 STALL/1,000 SF	= 168 STALLS
25 EMPLOYEES @ 1 STALL/EMPLOYEE	= 25 STALLS
TOTAL REQUIRED	= 262 STALLS
PARKING PROVIDED	
TOTAL PROVIDED	= 57 STALLS
HANDICAPPED PARKING PROVIDED	= 4 STALLS

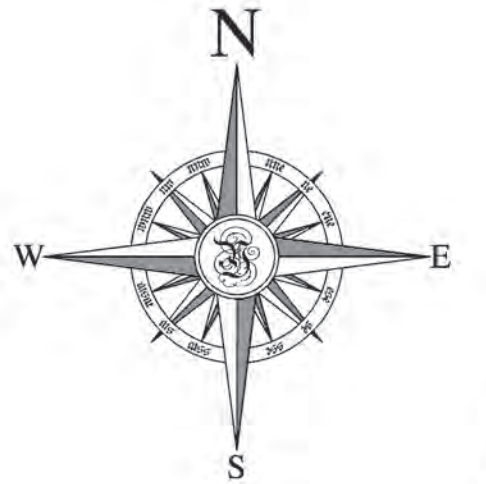
BUILDING USES & GROSS FLOOR AREAS (GFA)

EXISTING	BLDG. NO.	USE	GFA
1	1	1 STORY RESIDENCE	1,610 SF
2	2	2 STORY OFFICE	2,702 SF
3	3	1 STORY GENERAL INDUSTRIAL	4,910 SF
4	4	1 STORY STORAGE (RECENTLY REMOVED)	1,240 SF
5	5	1 STORY STORAGE	161 SF
6	6	1 STORY STORAGE	841 SF
7	7	1 STORY STORAGE	10,786 SF
8	8	1 STORY STORAGE	15,076 SF
9	9	1 STORY STORAGE	22,425 SF

PROPOSED	BLDG. NO.	USE	GFA
9	9	1 STORY STORAGE	49,000 SF
10	10	1 STORY STORAGE	52,500 SF

TEST HOLE DATA

TEST HOLE	DEPTH (FT)	SOIL TYPE	WATER TABLE (FT)
B1	0.0'	MIXED SAND & LOAM	EL=+0.0
B1	2.0'	PALE BROWN FINE SAND (SP)	EL=+1.6
B1	6.4'	WATER IN PALE BROWN FINE SAND (SP)	EL=-1.4
B2	0.0'	MIXED SAND & LOAM	EL=+0.0
B2	0.5'	PALE BROWN FINE SAND (SP)	EL=+1.2
B2	6.4'	WATER IN PALE BROWN FINE SAND (SP)	EL=-1.2
B2	13.0'		EL=-7.0

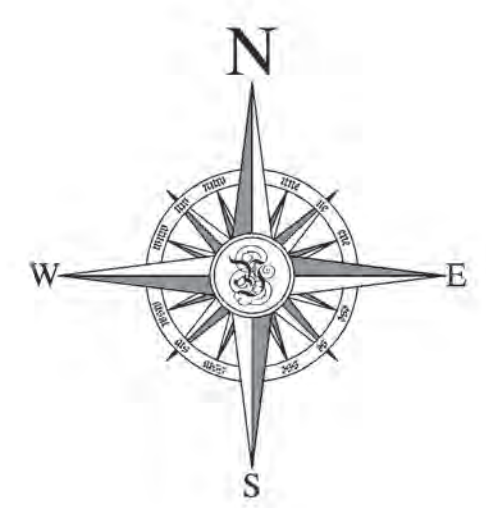


DWG FILE: H:\2017\0165_165\165.site plan.dwg

PLOT DATE: Tue, 06, 2024 - 11:56am

PLOTTED BY: HAY

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



TEST HOLE DATA

B1		B2	
EL=4.0	0.0'	EL=7.6	0.0'
MIXED SAND & LOAM		MIXED SAND & LOAM	
2.0'		0.5'	
PALE BROWN FINE SAND (SP)		PALE BROWN FINE SAND (SP)	
6W EL=1.4	1.6'	6W EL=1.2	0.4'
WATER IN PALE BROWN FINE SAND (SP)		WATER IN PALE BROWN FINE SAND (SP)	
			13.0'
	17.0'		

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 WASTE 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 CAPPED 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.

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Robert Stromski, Architect

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 = 15,8845 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: 6,205 SF @ 0.00 GPD/SF	= 0 GPD
PROPOSED:	
BOAT STORAGE: 10,196 SF @ 0.00 GPD/SF	= 0 GPD
NON-STORAGE (BATHROOMS): 304 SF @ 0.06 GPD/SF	= 18 GPD
TOTAL DENSITY	= 1,076 GPD

DESIGN CALCULATIONS SANITARY SYSTEM NO. 1

EXISTING:	
GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF	= 196 GPD
BOAT STORAGE: 6,205 SF @ 0.00 GPD/SF	= 0 GPD
PROPOSED:	
BOAT STORAGE: 10,196 SF @ 0.00 GPD/SF	= 0 GPD
NON-STORAGE (BATHROOMS): 304 SF @ 0.06 GPD/SF	= 18 GPD
TOTAL DESIGN FLOW	= 214 GPD
I/A OWTS REQUIRED	= 214 GAL
USE CEN-5 AS MFG BY FUJICLEAN USA	= 300 GAL
LEACHING REQ. 196 GPD / 1.5 GPD/S.F.	= 131 SFSWA
LEACHING GALLEY SIZE: 4.75'W x 8.50'L 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
I/A OWTS REQUIRED	= 562 GAL
USE CEN-1 AS MFG BY FUJICLEAN USA	= 700 GAL
LEACHING REQ. 562 GPD / 1.5 GPD/S.F.	= 375 SFSWA
LEACHING GALLEY SIZE: 4.75'W x 8.50'L x 3.00' DEEP	= 74.5 SFSWA
118'5" (4) 1' x 5' @ 74.5 SFSWA EA	= 988 SFSWA

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 = 167,448 SF @ 1 STALL/1,000 SF	= 168 STALLS
25 EMPLOYEES @ 1 STALL/EMPLOYEE	= 25 STALLS
TOTAL REQUIRED	= 262 STALLS

PARKING PROVIDED

TOTAL PROVIDED	= 51 STALLS
HANDICAPPED PARKING PROVIDED	= 4 STALLS

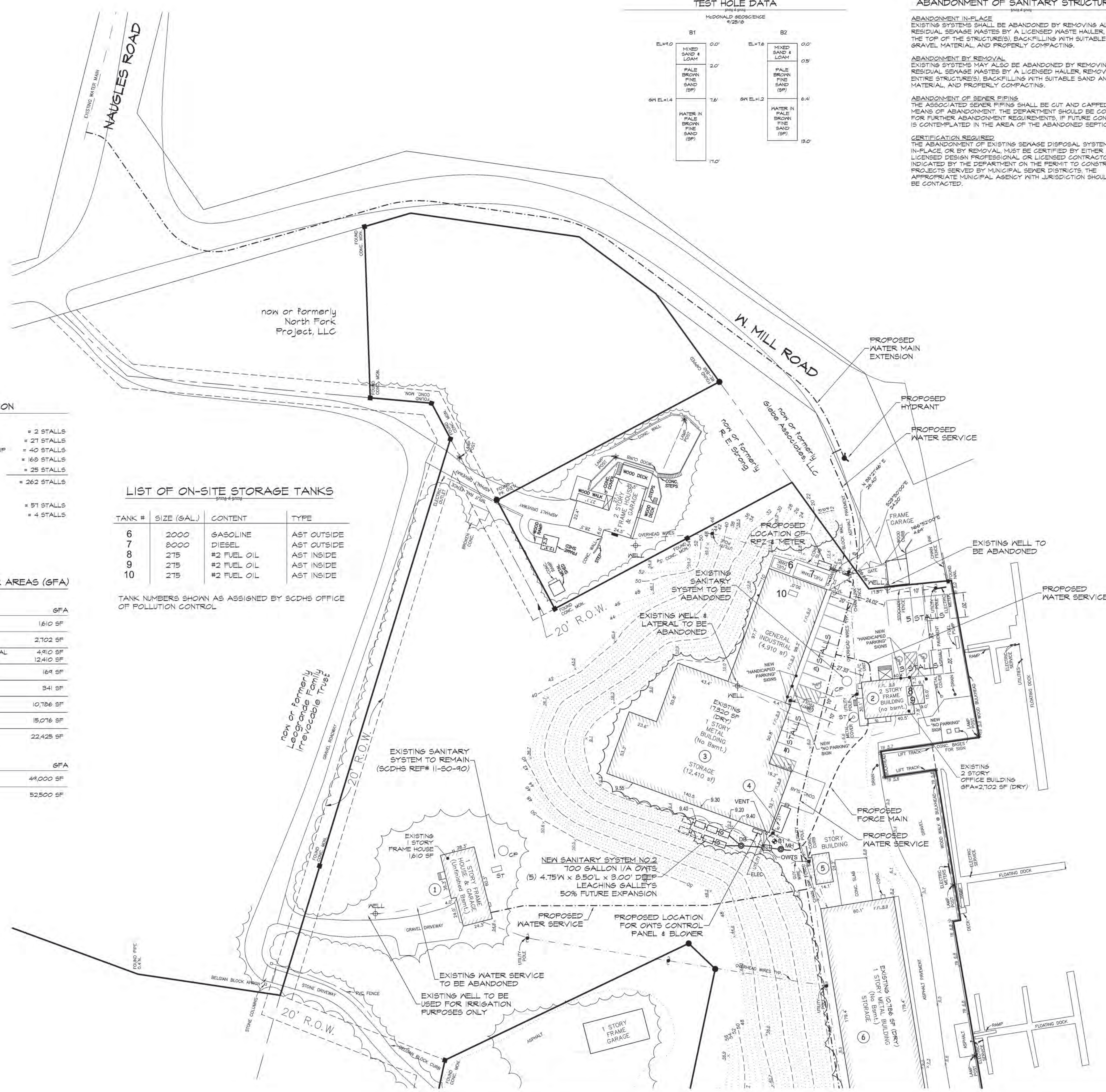
LIST OF ON-SITE STORAGE TANKS

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

BUILDING USES & GROSS FLOOR AREAS (GFA)

BLDG. NO.	USE	GFA
EXISTING		
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)	16,410 SF
5	1 STORY STORAGE	941 SF
6	1 STORY STORAGE	10,786 SF
7	1 STORY STORAGE	15,076 SF
8	1 STORY STORAGE	22,425 SF
PROPOSED		
9	1 STORY STORAGE	44,000 SF
10	1 STORY STORAGE	52,500 SF



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 K. YOUNG, N.Y.S. L.S. NO. 45848n
THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61489
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 8084T

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.

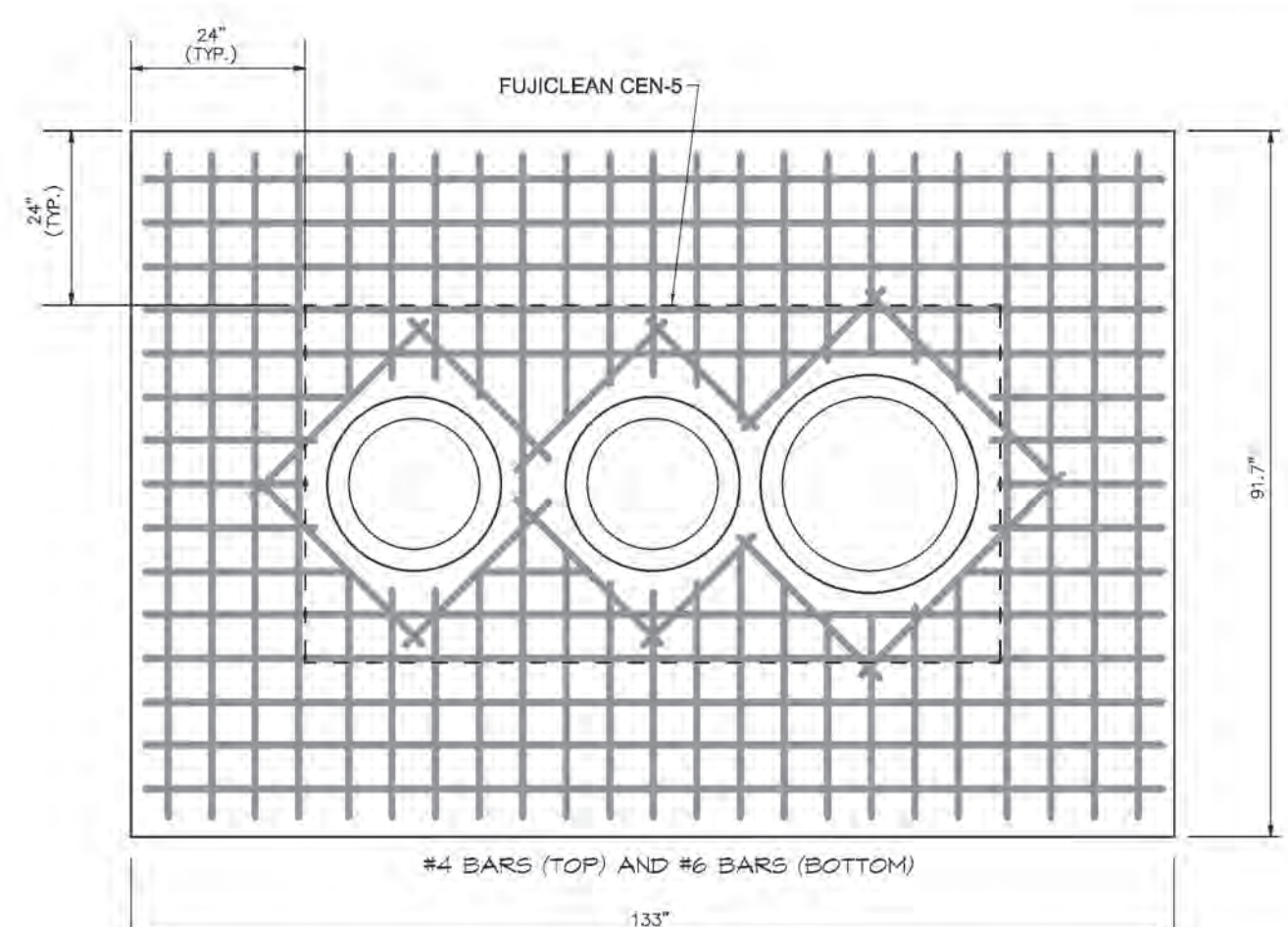
HOWARD K. YOUNG, N.Y.S. L.S. NO. 45848

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

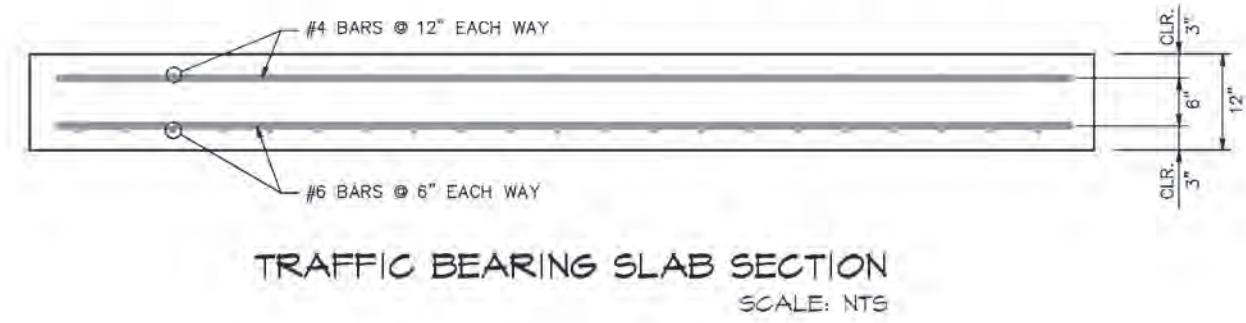
UTILITY PLAN

County Tax Map	1000	106	06	10
District	1000	Section	106	Block
Map Prepared	Record of Revisions			DATE
				JUL. 03, 2018
REVISION				DATE
TOS, NYSDEC	NOV. 20, 2018			
ADD TANK INFO	APR. 09, 2018			
NYSDEC	JAN. 02, 2020			
BOSCOIA RESIDENCE	FEB. 10, 2020			
SANITARY & DRAINAGE	JULY 01, 2020			
SCDHS NOTAR2	DEC. 15, 2020			
DOCKS & HWY	MAR. 08, 2021			
DOCKS	MAR. 08, 2021			
MULTIPLE	MAY 04, 2021			
MULTIPLE	OCT. 18, 2021			

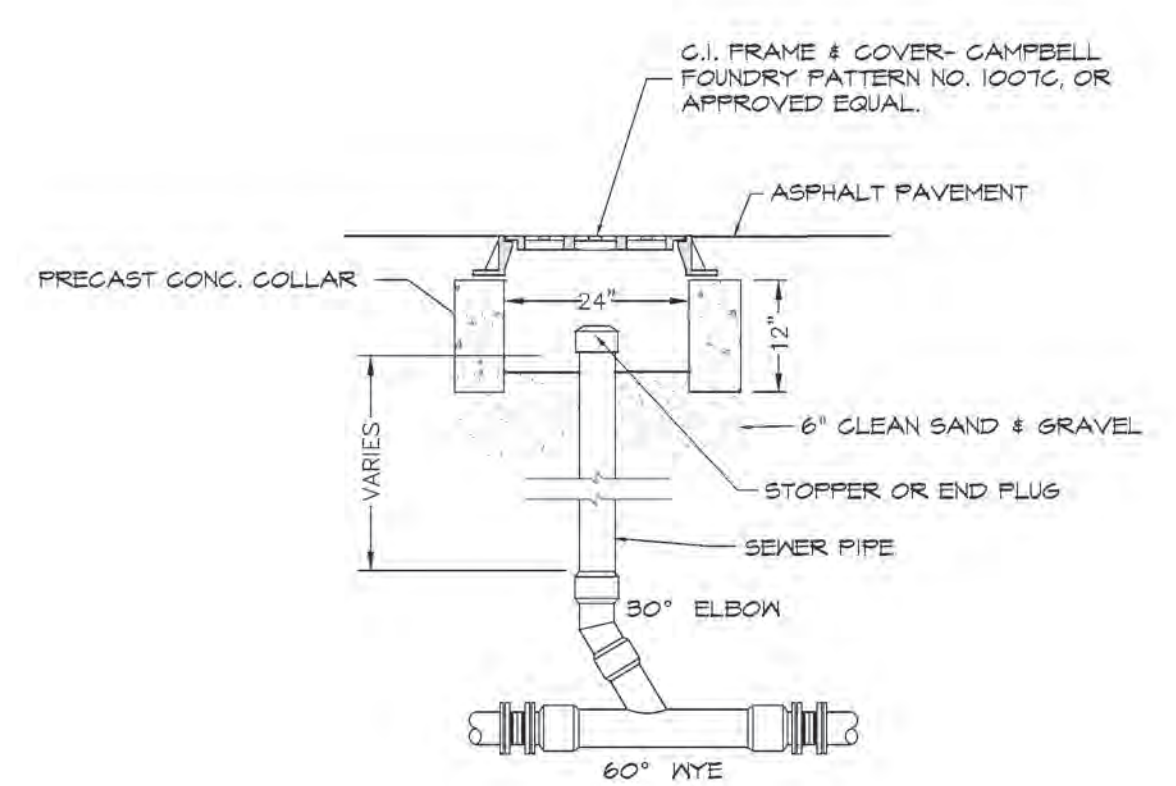
UNREGISTERED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 2-10 OF THE NEW YORK STATE EDUCATION LAW. (3) EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR OTHER PURPOSES. THE LAND SURVEYOR'S SEAL AND SIGNATURE SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (4) CERTIFICATION REQUIRED HEREIN SHALL BE ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND BY THE SURVEYOR TO THE TITLE COMPANY, SUBORDINATE AGENCY AND LENDING INSTITUTIONS HEREIN, AND TO THE AGENTS OF THE LENDING INSTITUTIONS. CERTIFICATIONS ARE NOT TRANSFERABLE TO OTHER INSTITUTIONS OF SUBORDINATE OWNERS. (5) THE LOCATION OF WELLS, (6) SEPTIC TANKS, (7) CESSPOOLS, (8) BROWN HOLE, ARE FROM FIELD OBSERVATIONS AND ARE NOT TO BE CONSIDERED TO BE A VALID TRUE COPY. (9) CERTIFICATION



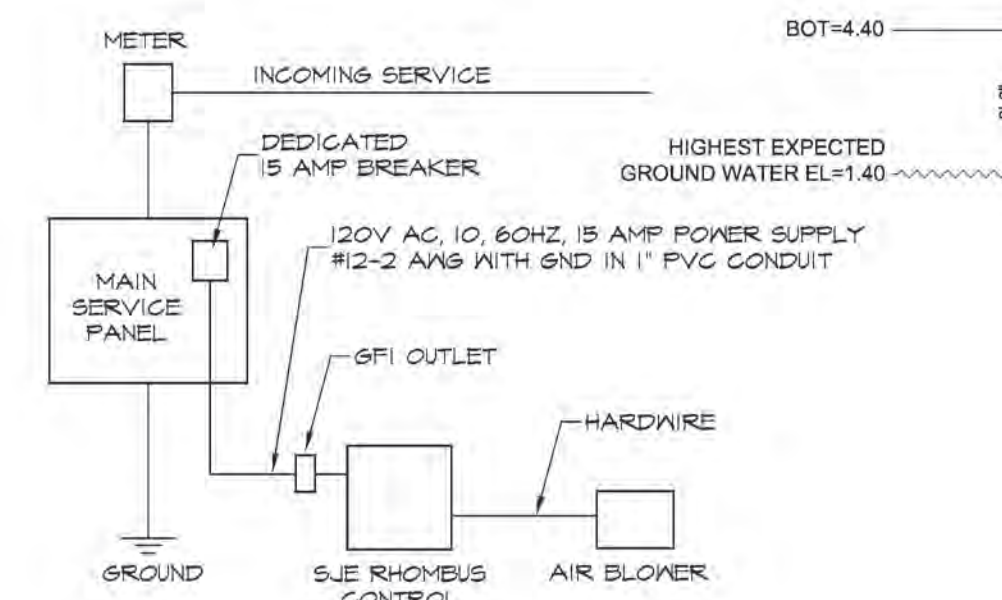
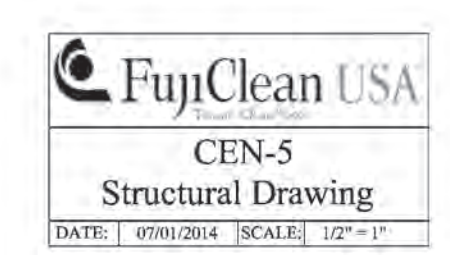
TRAFFIC BEARING SLAB (H2O LOADS) & TYPICAL REINFORCING FOR ACCESS HOLES
SCALE: NTS



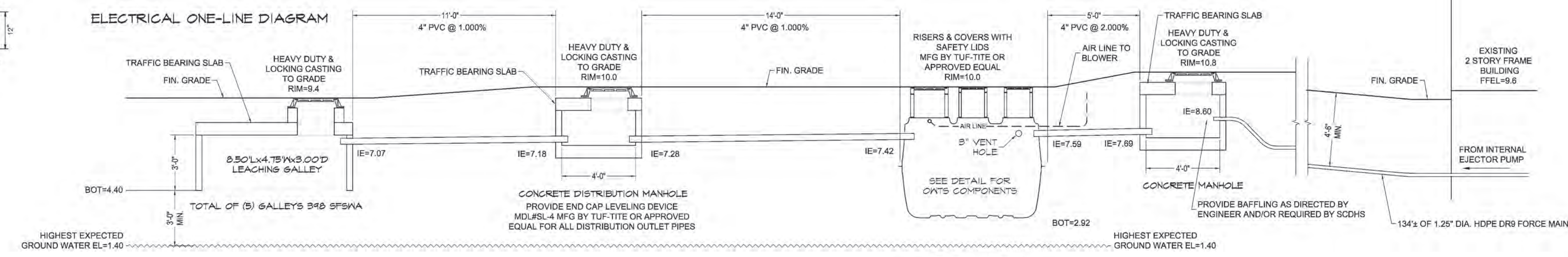
TRAFFIC BEARING SLAB SECTION
SCALE: NTS



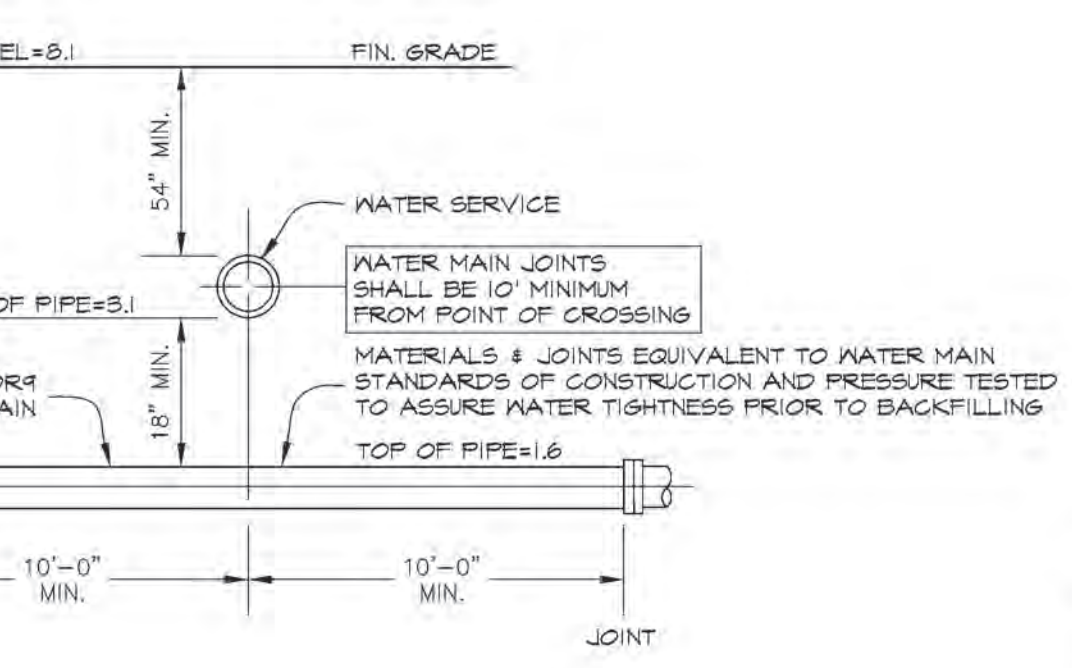
TYPICAL CLEANOUT DETAIL
FOR AREAS SUBJECT TO VEHICULAR TRAFFIC



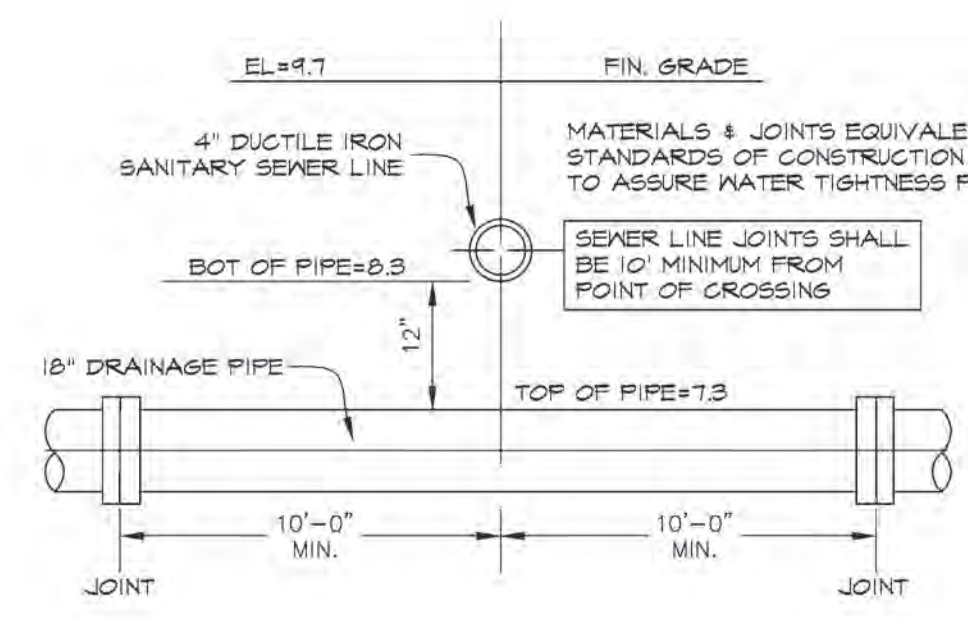
ELECTRICAL ONE-LINE DIAGRAM



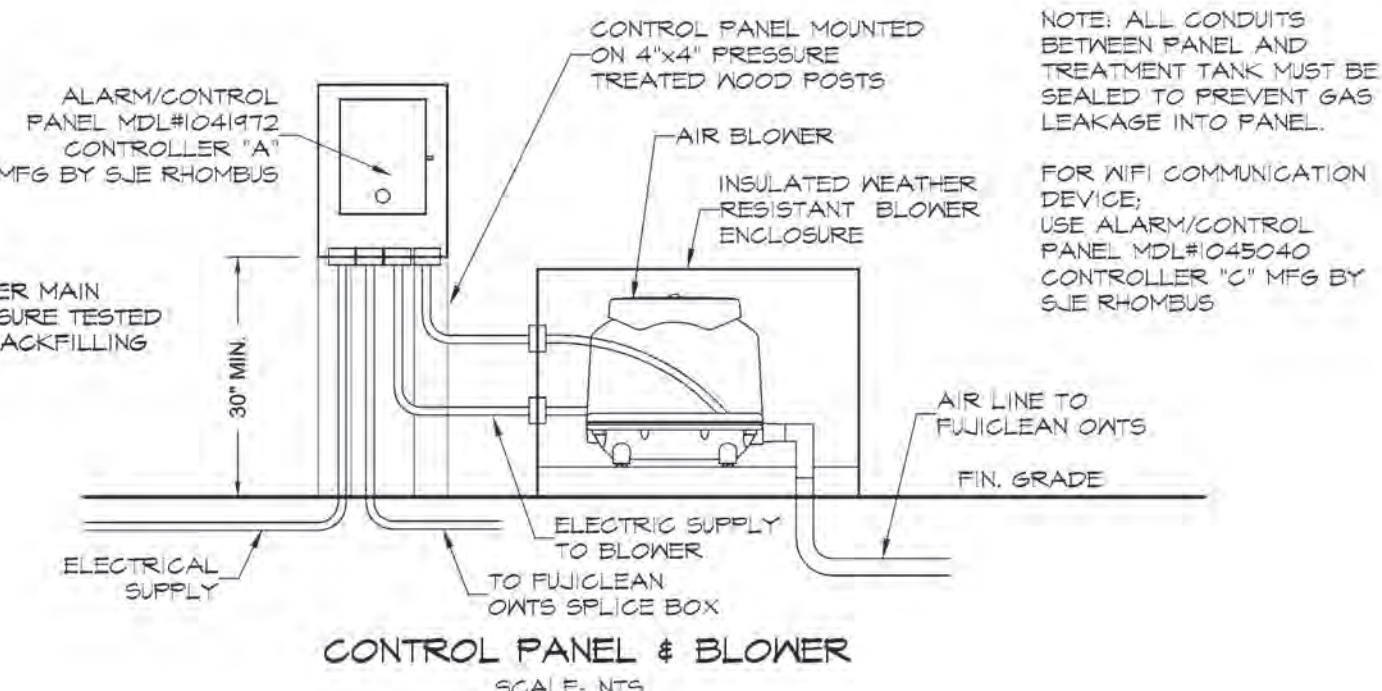
HYDRAULIC PROFILE SANITARY SYSTEM NO.1
SCALE: 1" = 4'



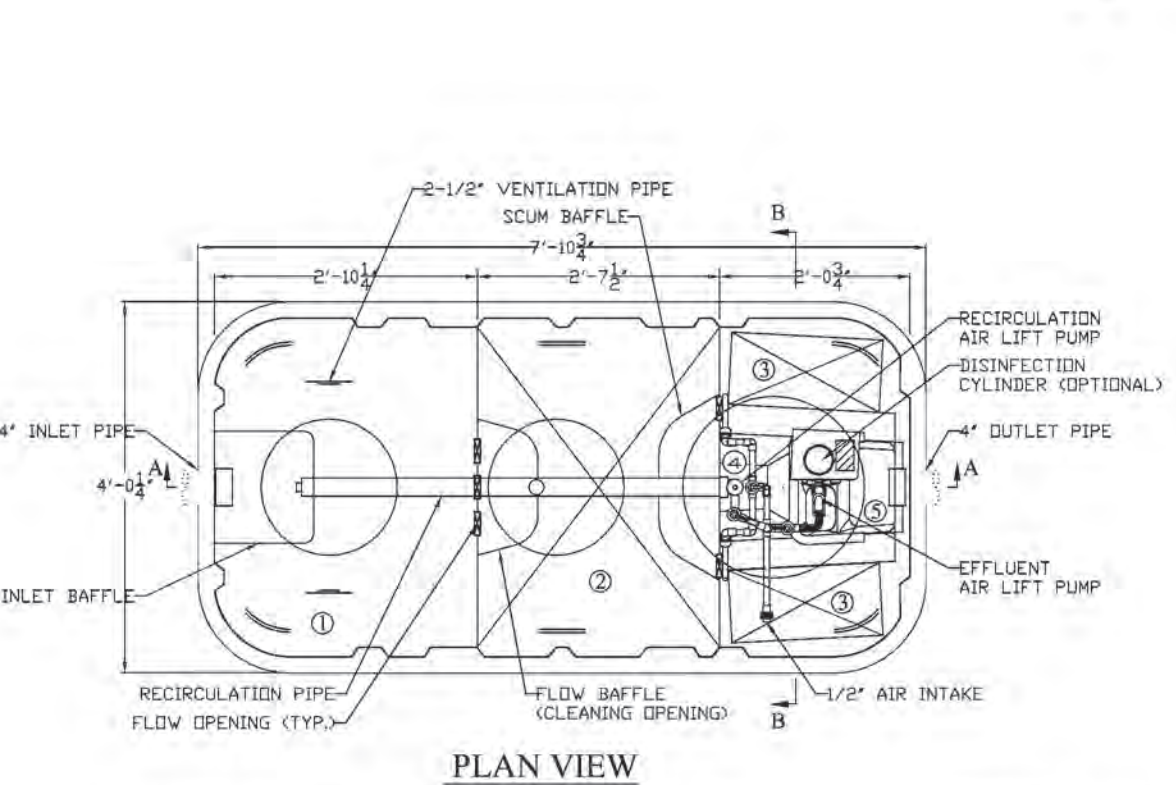
WATER SERVICE/SEWER (FORCE MAIN) CROSSING DETAIL
NTS



SEWER LINE/DRAINAGE PIPE CROSSING DETAIL
NTS



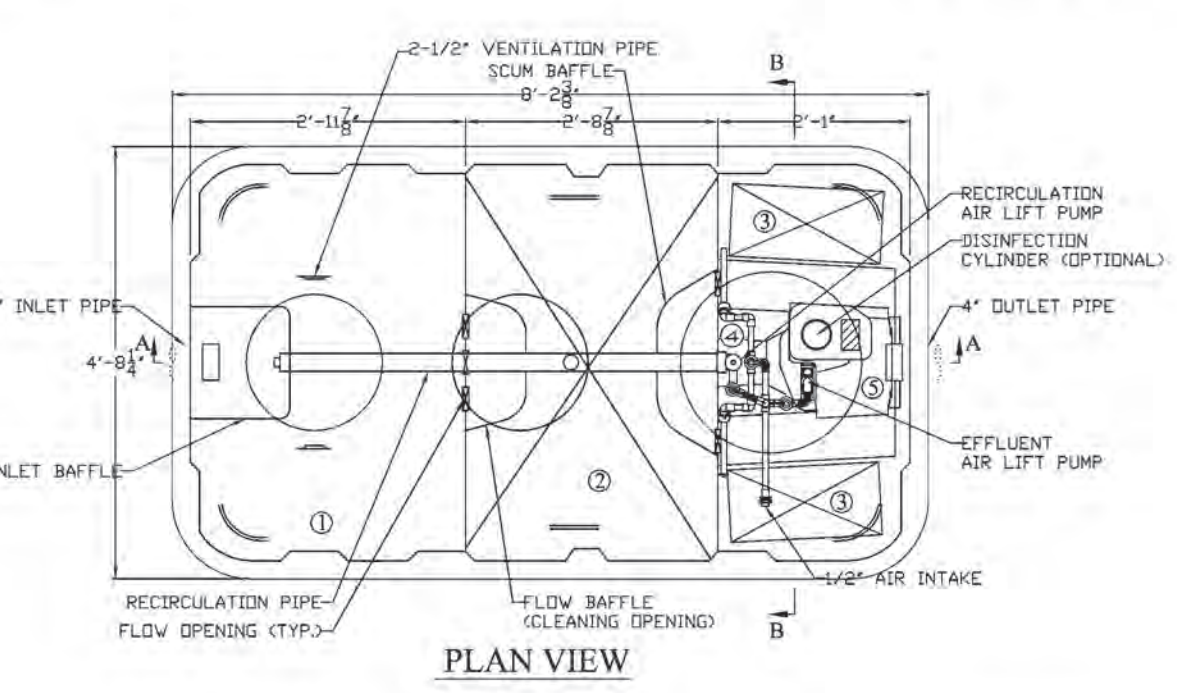
CONTROL PANEL & BLOWER
SCALE: NTS



PLAN VIEW

CHAMBER	Volume (gal)
① Sedimentation Chamber	277
② Anaerobic Filtration Chamber	278
③ Aerobic Contact Filtration Chamber	127
④ Storage Chamber	63
⑤ Disinfection Chamber	4
Total Volume	749

SPECIFICATIONS			
Anaerobic Media	PP / PE	Filling Rate	32%
Board Type Aerobic Media	PVC / PP / PE	Filling Rate	17%
Aerobic Media	PP / PE	Filling Rate	55%
Blower	FRP	Flow Rate	2.8 cfm
Piping	PVC / PP / PE		
Access Covers	Plastic / Cast Iron		
Disinfectant (Optional)	Chlorine Tablets		

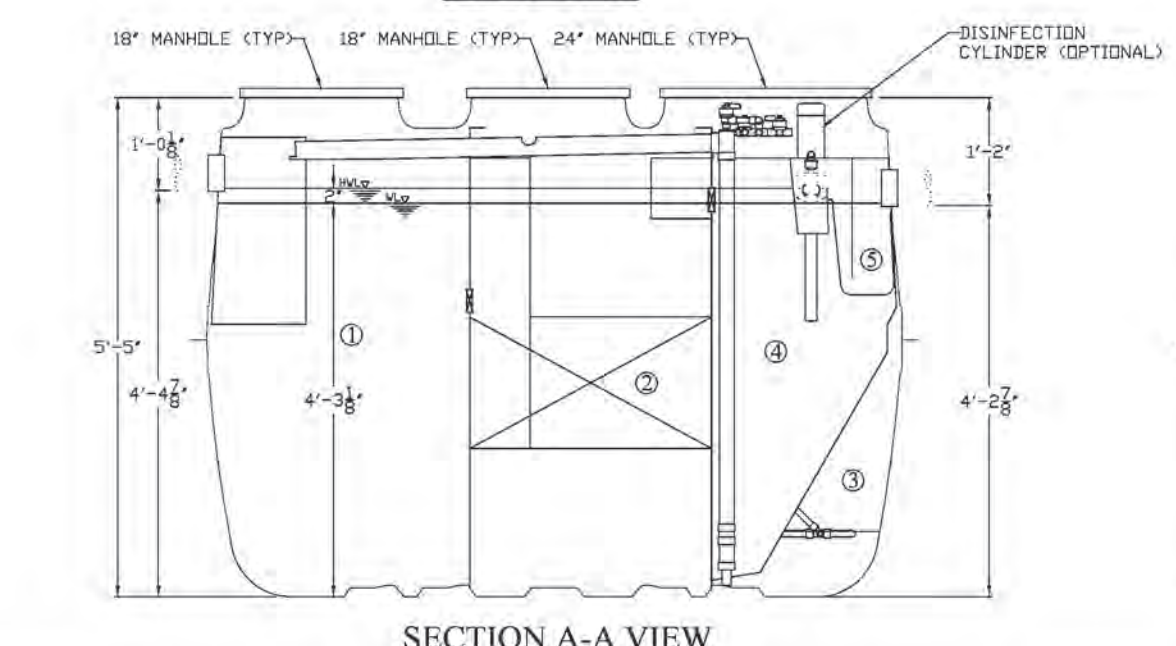


PLAN VIEW

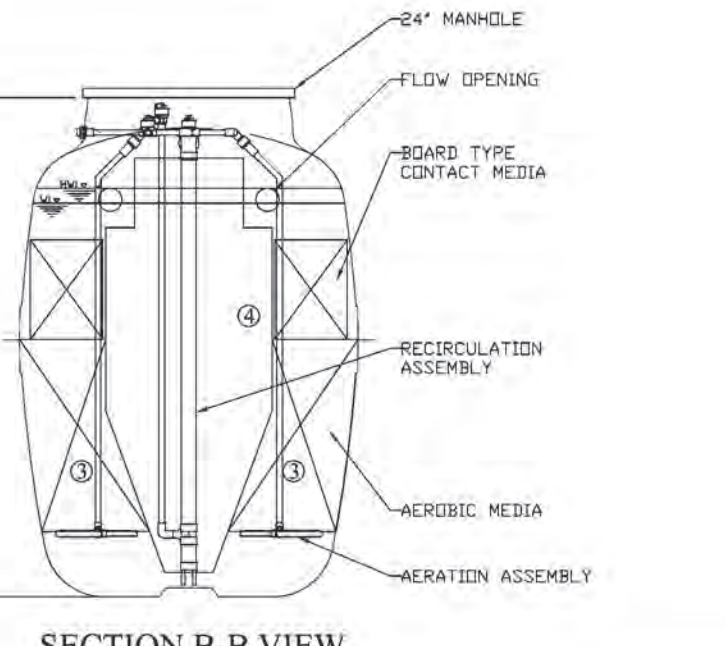
CHAMBER			Volume (gal)
①	Sedimentation Chamber	277	397
②	Anaerobic Filtration Chamber	278	396
③	Aerobic Contact Filtration Chamber	127	181
④	Storage Chamber	63	90
⑤	Disinfection Chamber	4	6
Total Volume			1069

SPECIFICATIONS			
Anaerobic Media	PP / PE	Filling Rate	32%
Board Type Aerobic Media	PVC / PP / PE	Filling Rate	17%
Aerobic Media	PP / PE	Filling Rate	55%
Blower	FRP	Flow Rate	2.8 cfm
Piping	PVC / PP / PE		
Access Covers	Plastic / Cast Iron		
Disinfectant (Optional)	Chlorine Tablets		

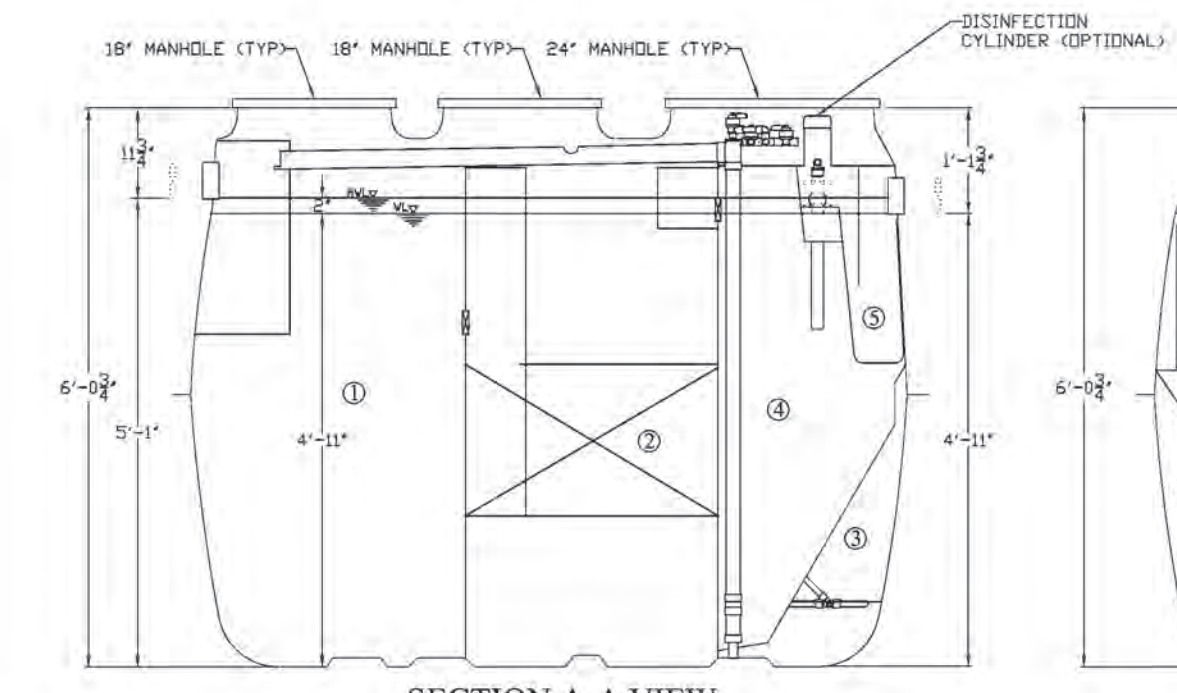
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Anaerobic Media	PP / PE	Filling Rate	32%
Board Type Aerobic Media	PVC / PP / PE	Filling Rate	17%
Aerobic Media	PP / PE	Filling Rate	55%
Blower	FRP	Flow Rate	2.8 cfm
Piping	PVC / PP / PE		
Access Covers	Plastic / Cast Iron		
Disinfectant (Optional)	Chlorine Tablets		



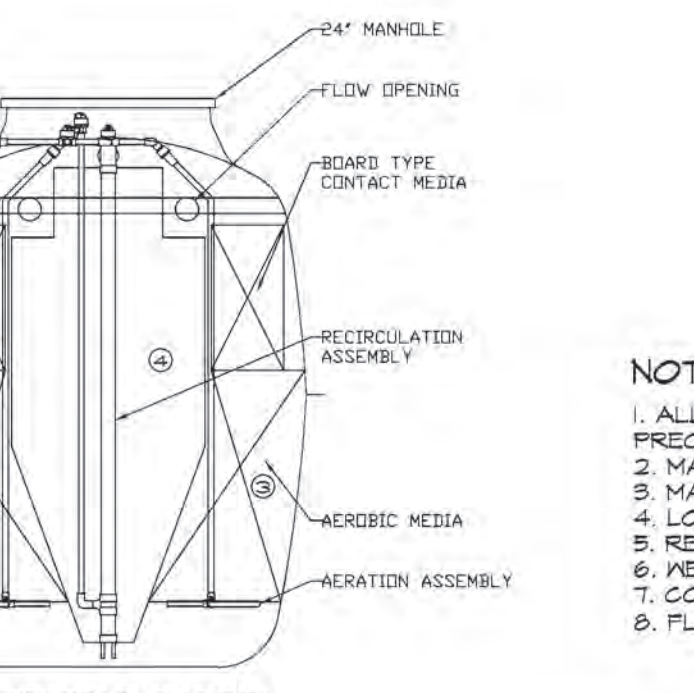
SECTION A-A VIEW



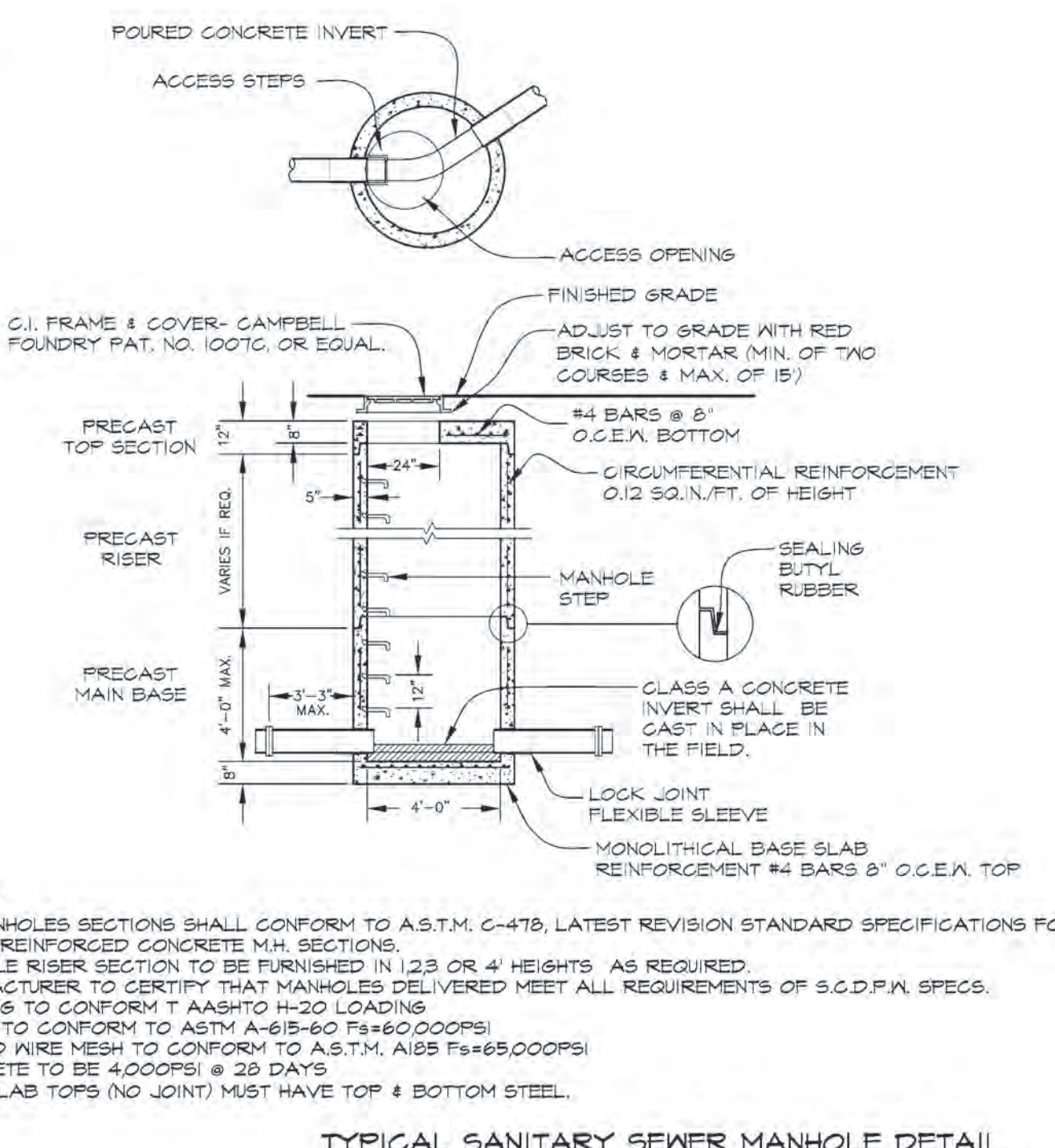
SECTION B-B VIEW



SECTION A-A VIEW



SECTION B-B VIEW



TYPICAL SANITARY SEWER MANHOLE DETAIL
NTS

- NOTES:**
- ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
 - MANHOLE RISER SECTION TO BE FURNISHED IN 12S OR 4" HEIGHTS AS REQUIRED.
 - MANUFACTURER TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.O.D.P.A. SPECS.
 - LOADING TO CONFORM TO AASHTO H-20 LOADS.
 - REBAR TO CONFORM TO ASTM A-615-60 F_y=60,000PSI.
 - WELDED WIRE MESH TO CONFORM TO A.S.T.M. A105 F_y=65,000PSI.
 - CONCRETE TO BE 4,000PSI @ 28 DAYS.
 - FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP # BOTTOM STEEL.

Young & Young
400 Ostrander Avenue, Riverhead, New York 11901
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adam@youngengineering.com

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

Robert C. Taat, Architect
Robert Stramski, Architect

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 @ 600 GPD/AC = 9,501 GPD

PROJECT DENSITY SEWAGE FLOW

EXISTING: = 300 GPD
OFFICE: 2,102 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: 6,120 SF @ 0.00 GPD/SF = 0 GPD

PROPOSED:
BOAT STORAGE: 10,196 SF @ 0.00 GPD/SF = 0 GPD
NON-STORAGE (BATHROOMS): 304 SF @ 0.06 GPD/SF = 18 GPD
TOTAL DESIGN FLOW = 1,076 GPD

DESIGN CALCULATIONS SANITARY SYSTEM NO. 1

EXISTING: = 162 GPD
GENERAL INDUSTRIAL: 4,910 SF @ 0.04 GPD/SF = 196 GPD
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BOAT STORAGE: 10,196 SF @ 0.00 GPD/SF = 0 GPD
NON-STORAGE (BATHROOMS): 304 SF @ 0.06 GPD/SF = 18 GPD
TOTAL DESIGN FLOW = 214 GPD

I/A OWTS REQUIRED = 214 GAL
USE CEN-5 AS MFG BY FUJICLEAN USA = 300 GAL

LEACHING
REQ. 196 GPD / 1.5 GPD/S.F. = 131 SFSWA
LEACHING GALLEY SIZE: 4.75'W x 8.50'L x 3.00' DEEP = 74.5 SFSWA
USE 4 GALLEYS @ 74.5 SFSWA EA. = 318 SFSWA

DESIGN CALCULATIONS SANITARY SYSTEM NO. 2

EXISTING: = 162 GPD
MARINA: 40 BOAT SLIPS @ 10 GPD/BOAT SLIP = 400 GPD
TOTAL DESIGN FLOW = 562 GPD

I/A OWTS REQUIRED = 562 GAL
USE CEN-7 AS MFG BY FUJICLEAN USA = 700 GAL

LEACHING
REQ. 562 GPD / 1.5 GPD/S.F. = 375 SFSWA
LEACHING GALLEY SIZE: 4.75'W x 8.50'L x 3.00' DEEP = 74.5 SFSWA
USE 5 GALLEYS @ 74.5 SFSWA EA. = 348 SFSWA

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 A. YOUNG, N.Y.S. L.S. NO. 45849B
THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61489
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80847

SURVEYOR'S CERTIFICATION

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

WATER & SANITARY DETAILS

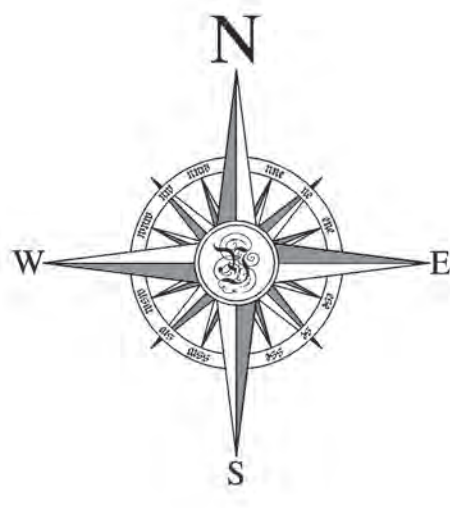
1000 106 06 10
County Tax Map District 1000 Section 106 Block 06 Lot 13.4
MAP PREPARED JUL. 03, 2018

Record of Revisions

REVISION	DATE
TOP NYSDDC	NOV. 20, 2018
NYSDDC	JAN. 02, 2020
BOSCOLOA RESIDENCE	FEB. 10, 2020
SANITARY & DRAINAGE	JULY 01, 2025
SCDHS NOTAR2	DEC. 15, 2020
DOCS & HWY	MAR. 05, 2021
MAR. 05, 2021	MAY 04, 2021
MULTIPLE	OCT. 18, 2021
MULTIPLE	

Scale: AS SHOWN
JOB NO. 2017-0165
DATE: 2017-0165-sbs plan 6 OF 13

UNAUTHORIZED REPRODUCTION OR ALTERATION OF THIS SURVEY IS A VIOLATION OF SECTION 1305 OF THE NEW YORK STATE EDUCATION LAW. (3) 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 DETERMINATION OF TAXES. (4) COPIES OF THIS SURVEY MAP NOT BEING THE LAND SURVEYOR'S SEAL OR ENCLOSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID COPY. (5) CERTIFICATION REQUIRED HEREIN SHALL BE ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND BY NO MEANS TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION CITED HEREIN, AND TO THE DEPARTMENT OF THE CHIEF ENGINEER, PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF NEW YORK. (6) THE LOCATION OF WELLS IN DEPOT TOWN (NY) AND CROSBYVILLE (NY) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND NOT FROM DEEPER THAN 10 FEET.



400 Ostrander Avenue, Riverhead, New York 11901
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HOWARD K. YOUNG, N.Y.S. L.S. NO. 45843
 THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61489
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80841

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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

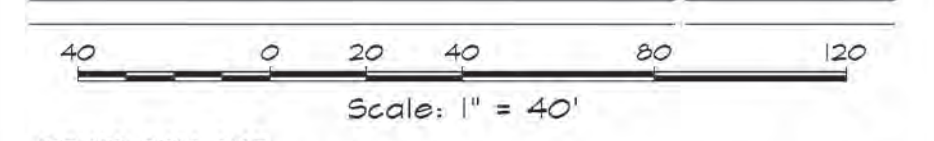
EXISTING CONDITIONS MAP

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

MAP PREPARED MAY 22, 2014

Record of Revisions

REVISION	SHEET NUMBER	DATE
DOCKS & HWY		DEC 15, 2009
DOCKS		MAR 08, 2009
MULTIPLE		MAR 12, 2009
MULTIPLE		MAY 04, 2009
MULTIPLE		OCT 18, 2009



DWG FILE: R:\2011\0165\0165_site plan.dwg

PLOT DATE: Tue, 06, 2011 - 1:17pm

PLOTTED BY: HW

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 203 OF THE NEW YORK STATE EDUCATION LAW (E) 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 DIRECTION OF FENCES. (G) COPIES OF THIS SURVEY MAY NOT BE MADE. THE LAND SURVEYOR'S SEAL OR EMPLOYED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (G) CERTIFICATION REQUIRED HEREIN SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND IS NOT TRANSFERABLE TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION CITED HEREIN, AND TO THE AGENTS OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OF SUBSEQUENT OWNERS. (H) THE LOCATION OF WELLS (W) AND CEPTROIDS (C) SHOWN HEREIN ARE FROM FIELD OBSERVATIONS AND NOT FROM DEPICTED PHOTOGRAPHS.

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Young & Young

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 Thomas C. Wolpert, Professional Engineer
 Douglas E. Adams, Professional Engineer

Robert C. Taat, Architect
 Robert Stromski, Architect

EARTHWORK DATA

TOTAL EARTHWORK VOLUME = 134,921 CY (GUT)

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

ENGINEER'S CERTIFICATION

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

EXCAVATION PHASING PLAN

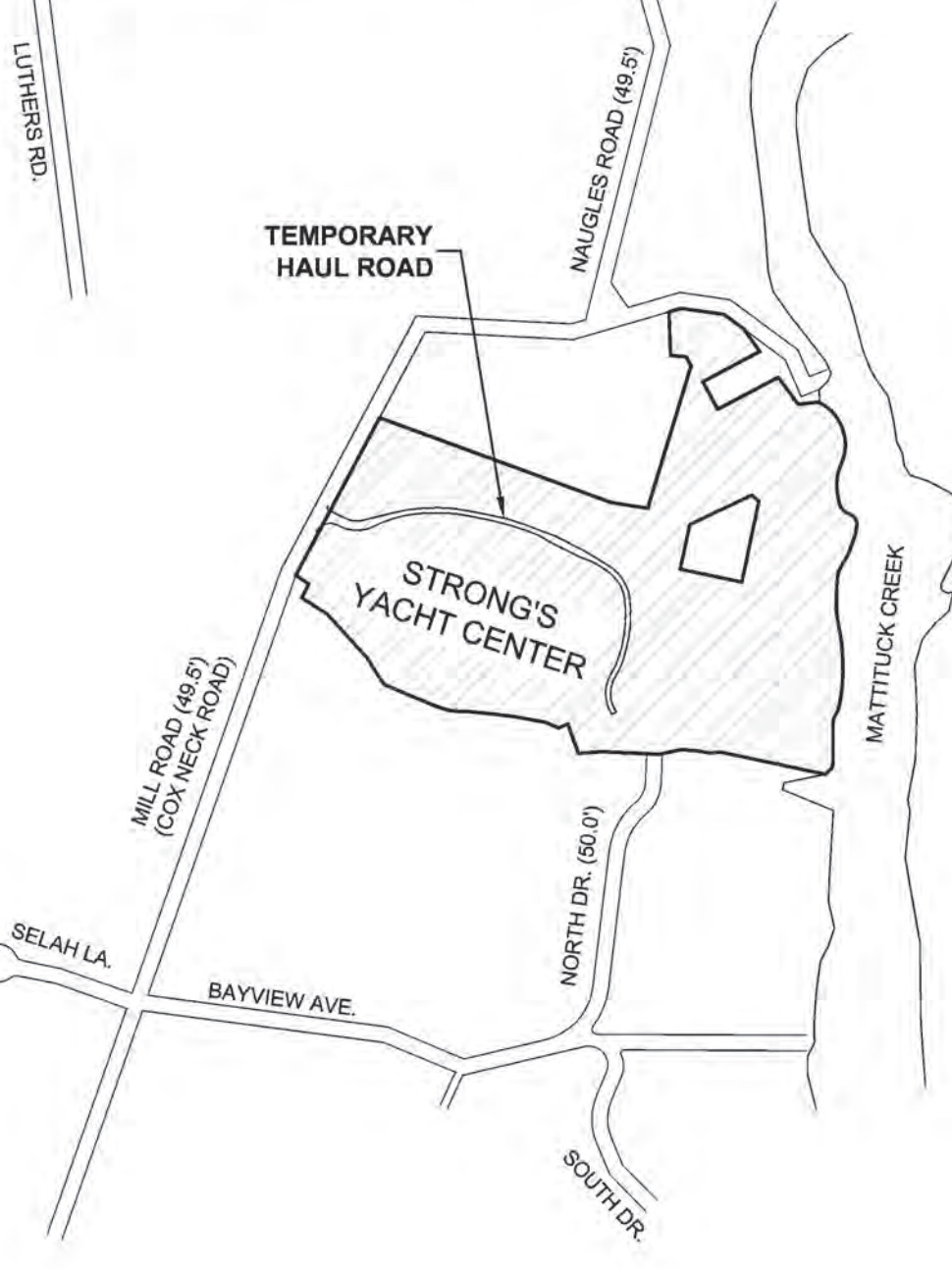
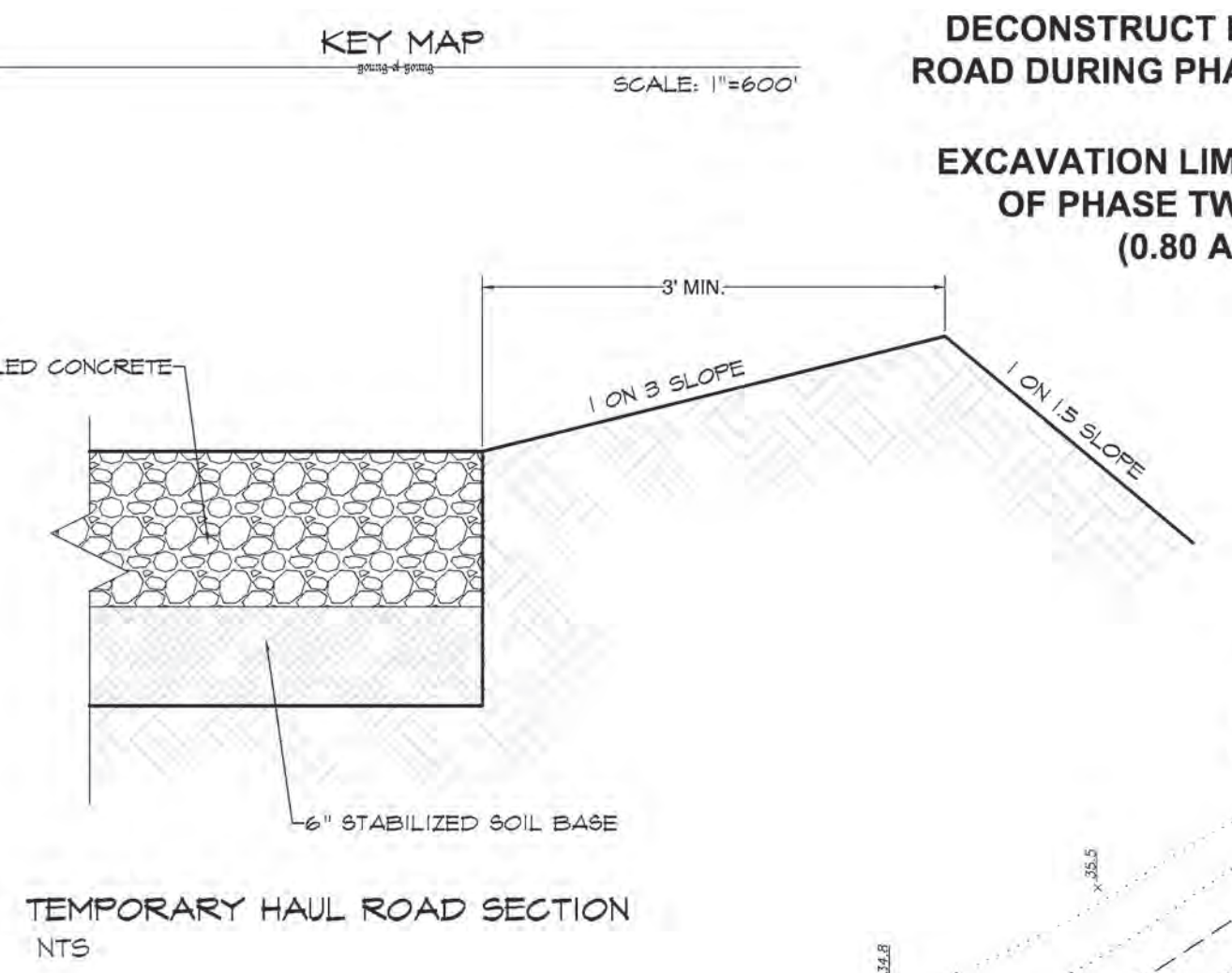
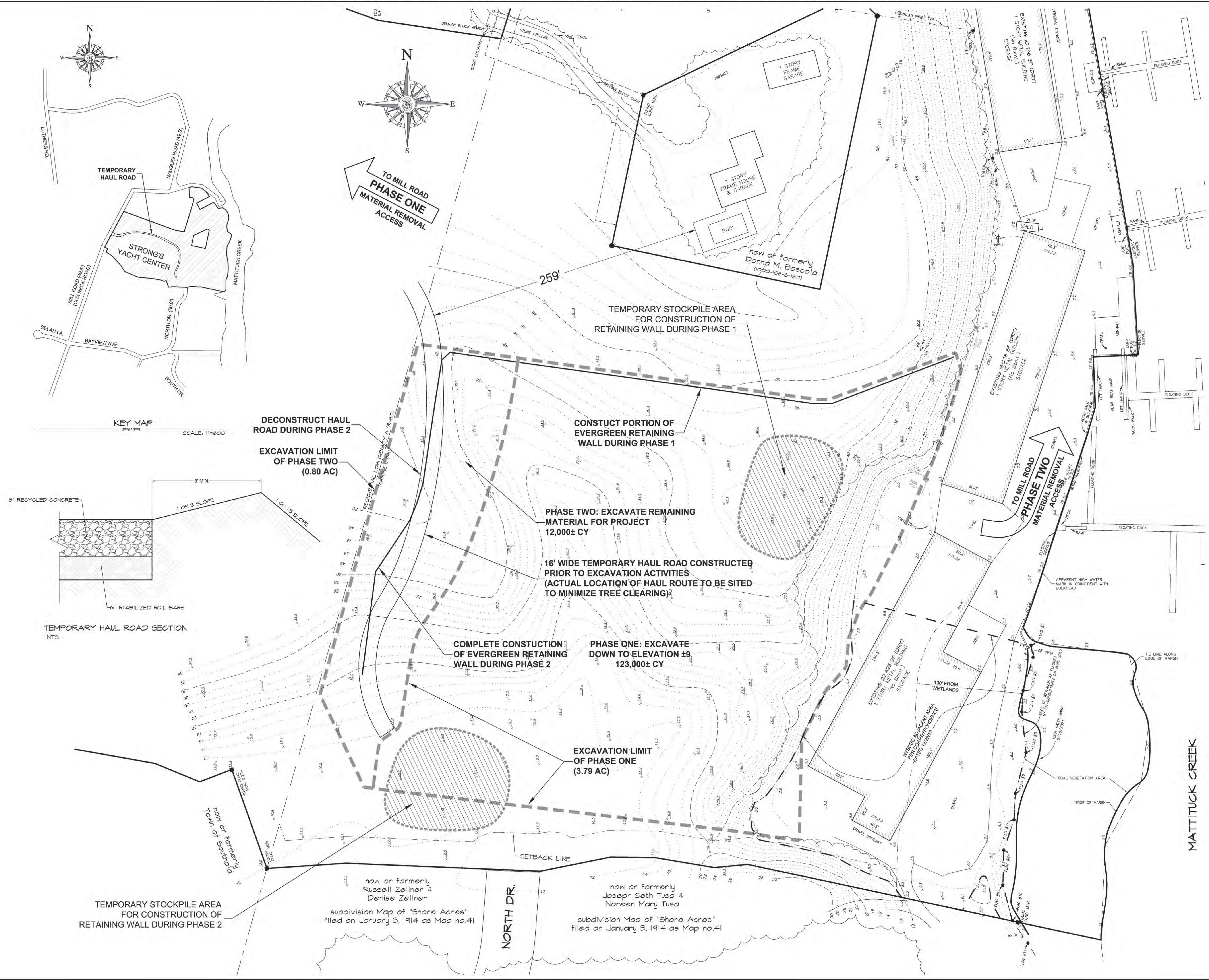
County Tax Map 1000 106 06 Lot 10
 District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED OCT. 23, 2014

Record of Revisions

REVISION	PHASE AREAS	DATE
1		JULY 01, 2020
2		DEC. 15, 2020
3		MAR. 08, 2021
4		MAR. 12, 2021
5		MAY 04, 2021
6		OCT. 18, 2021

Scale: 1" = 40'



DWG FILE: R:\2017\0165_Site plan.dwg
 PLOT DATE: Tue, 06, 2023 - 1:17pm
 PLOTTED BY: HAY



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 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. 60941

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

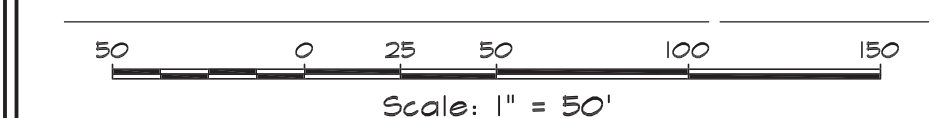
**BOAT STORAGE BUILDINGS
 STRONG'S YACHT CENTER**
 at Mattituck, Town of Southold
 Suffolk County, New York

HAUL ROAD PLAN

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

MAP PREPARED DEC. 15, 2020

REVISION	DATE
DOCKS 4 HMM	MAR. 08, 2021
DOCKS	MAR. 12, 2021
MULTIPLE	MAY 04, 2021
MULTIPLE	GOV. 18, 2021



DWS FILE: R:\2017\0165\165_Site plan.dwg

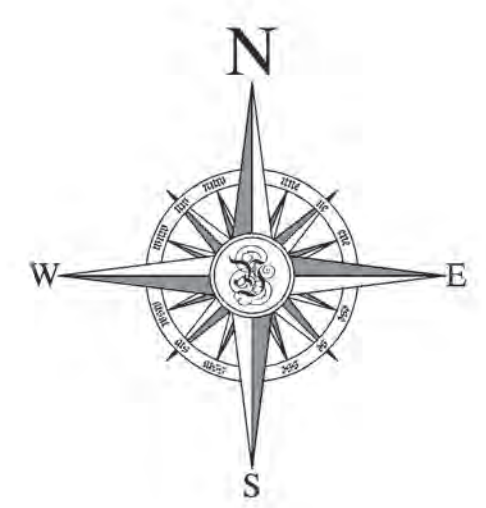
PLOT DATE: Dec 07, 2020 - 10:36am

PLOTTED BY: HJ

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

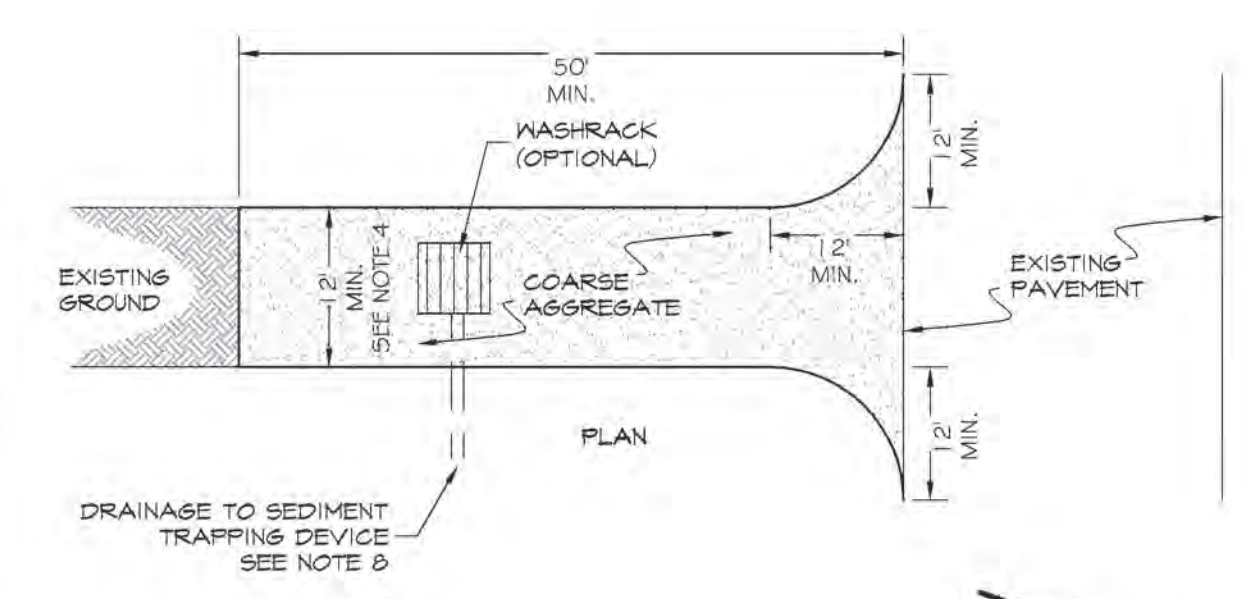
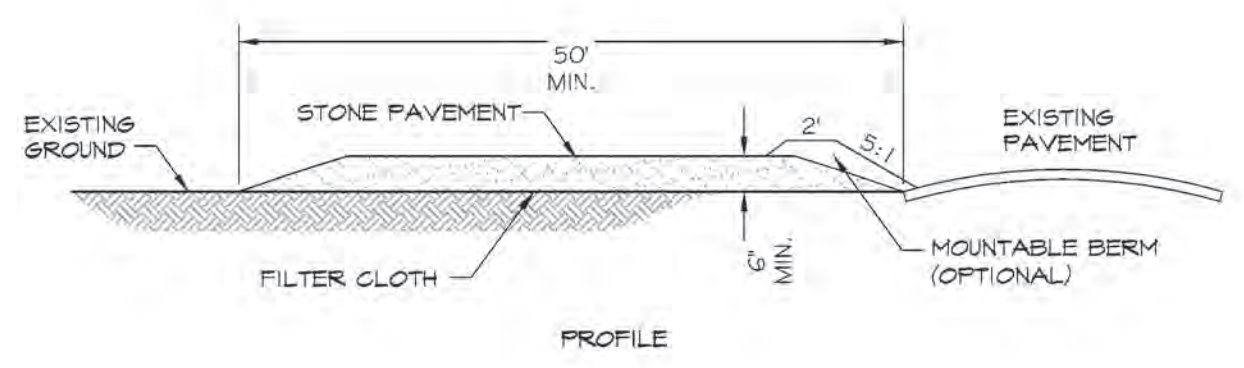
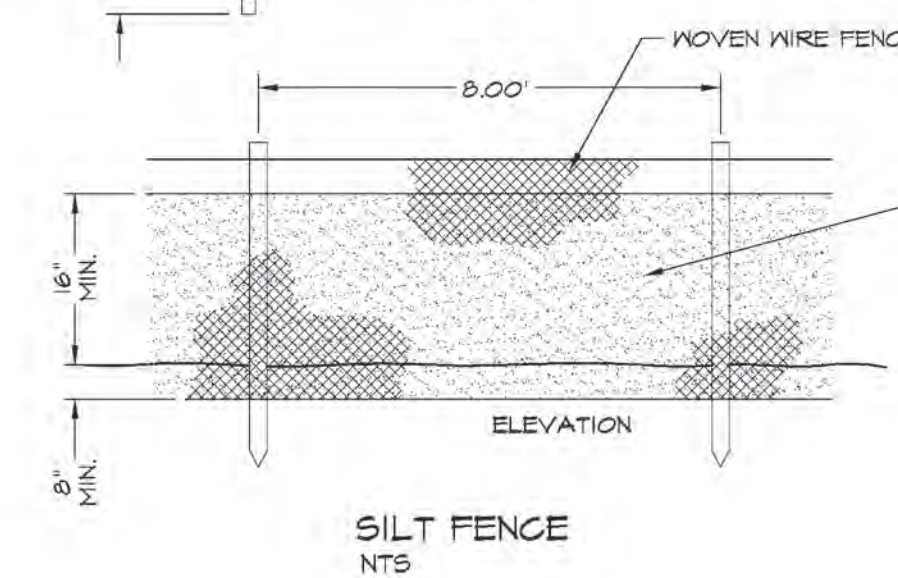
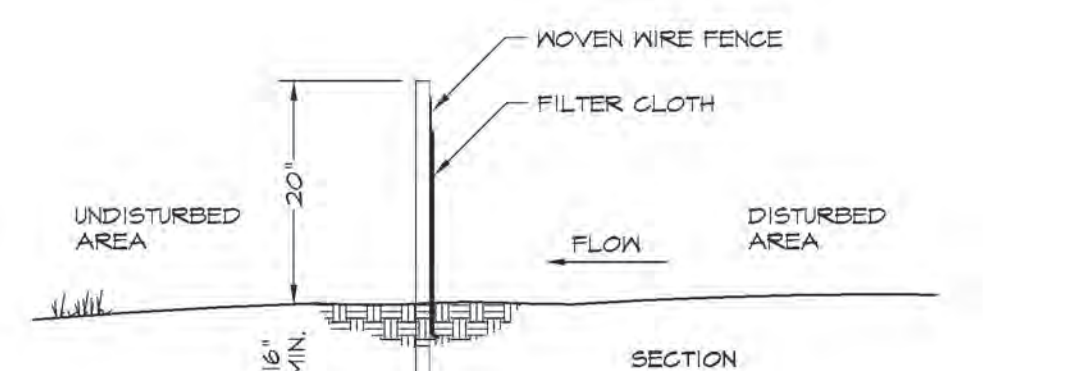
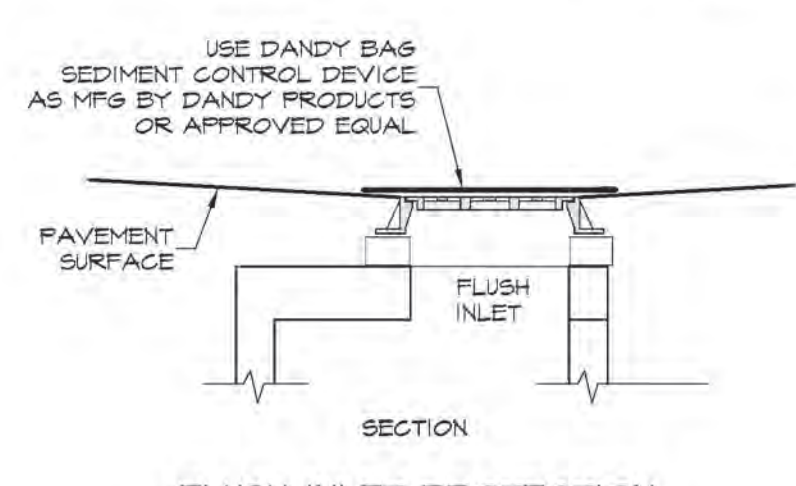
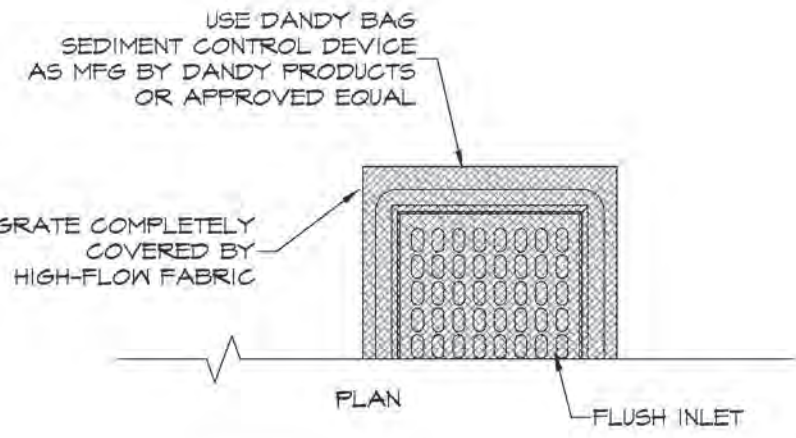
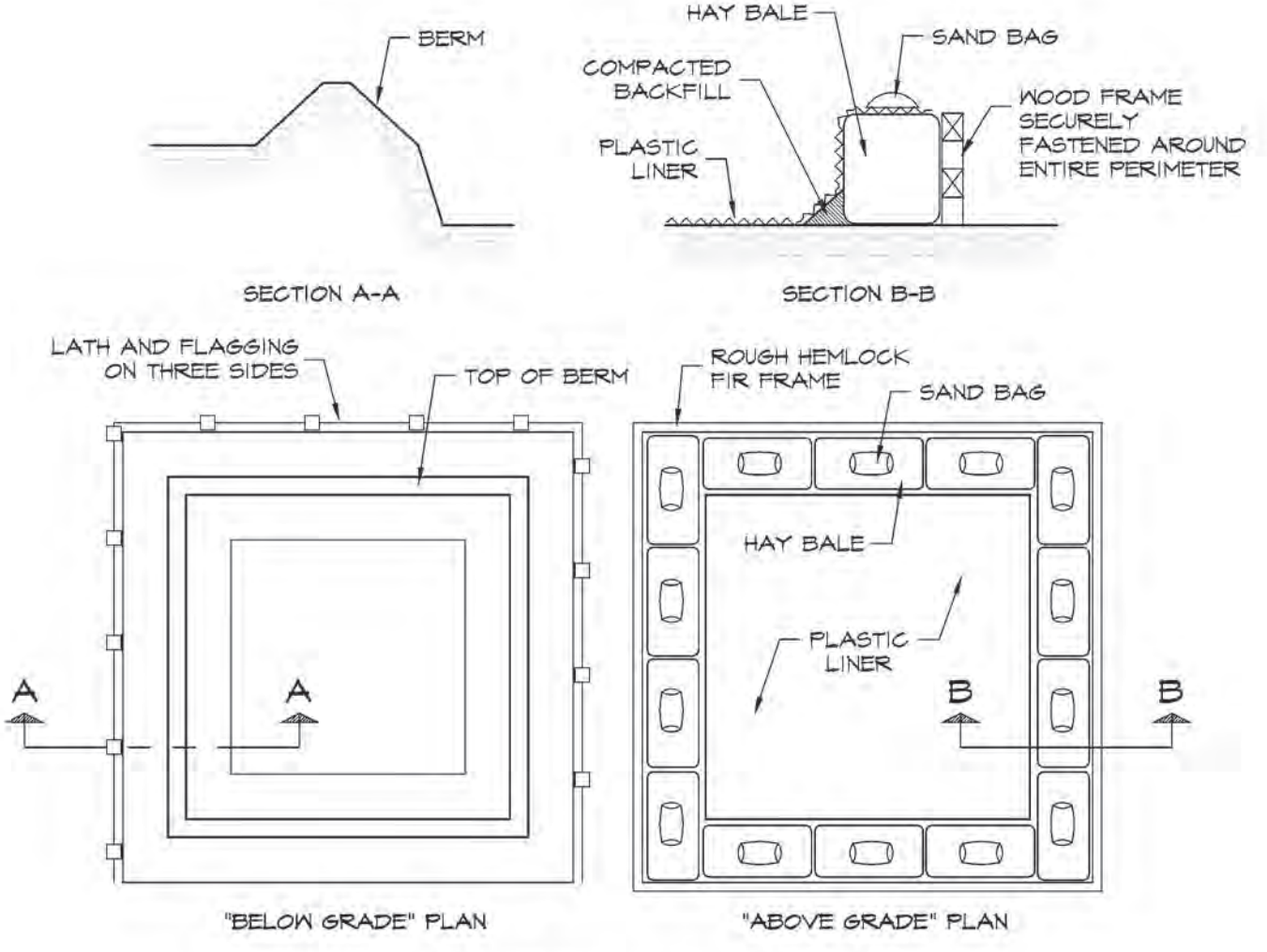
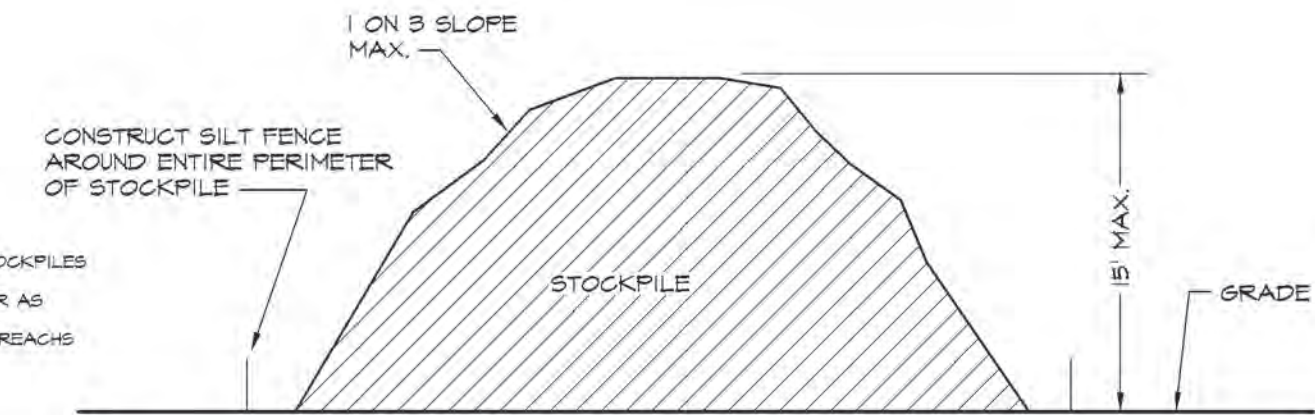
Young & Young

Howard K. Young, Land Surveyor
 Thomas C. Volpert, Professional Engineer
 Douglas E. Adams, Professional Engineer
 Robert C. Taat, Architect
 Robert Stromski, Architect



CONSTRUCTION NOTES

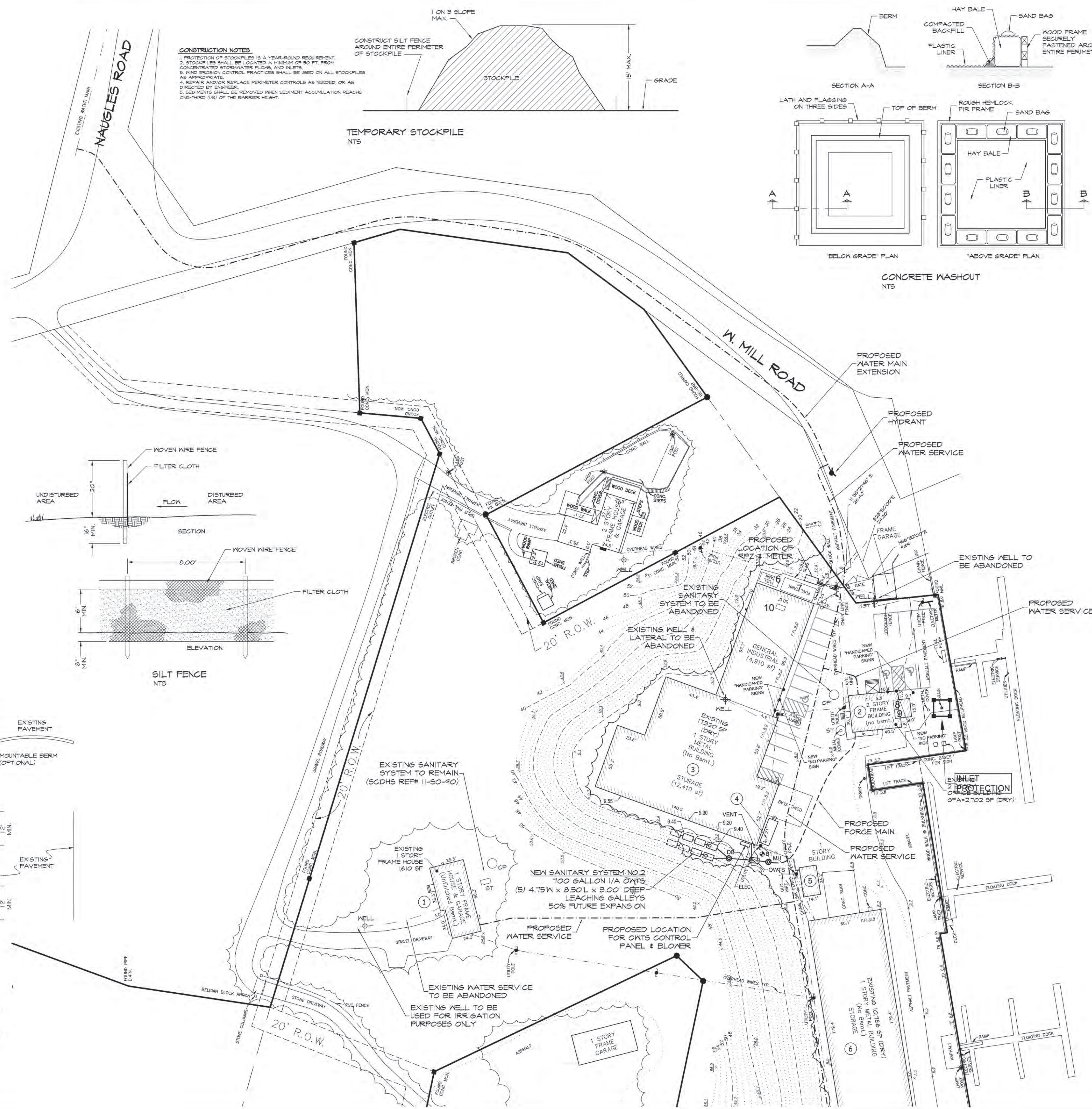
1. PROTECTION OF STOCKPILES IS A YEAR-ROUND REQUIREMENT.
2. STOCKPILES SHALL BE LOCATED A MINIMUM OF 50 FT. FROM CONCENTRATED STORMWATER FLOWS AND INLETS.
3. EROSION CONTROL PRACTICES SHALL BE USED ON ALL STOCKPILES AS APPROPRIATE.
4. REPAIR AND/OR REPLACE PERIMETER CONTROLS AS NEEDED OR AS DIRECTED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



CONSTRUCTION NOTES

1. STONE SIZE - USE 2" STONE OR A RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH SHALL APPLY.
3. THICKNESS - NOT LESS THAN 6".
4. WIDTH - 2' MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FILTERED THROUGH THE ENTRANCE IF PAVING IS IMPRACTICAL. A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PROVIDED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SHALL BE DISPOSED PROPERLY OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED EVERY SEVEN (7) CALENDAR DAYS.

STABILIZED CONSTRUCTION ENTRANCE
 NTS



GENERAL POLLUTION CONTROL MEASURES

- IN ACCORDANCE WITH THE PROVISIONS OF THE NYSDDEC GENERAL STORMWATER PERMIT, STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING SHALL BE EMPLOYED DURING CONSTRUCTION:
1. EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED (BY INSTALLATION OF CONSTRUCTION FENCE OR OTHER APPROVED MEANS) AND SHALL REMAIN UNDISTURBED.
 2. 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.
 3. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
 4. 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.
 5. 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.
 6. 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.
 7. THE FOLLOWING MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION: A. WATER-DOWN ACCESS WAYS, STOCKPILES, AND MATERIAL PRIOR TO LOADING; B. LIMIT ON-SITE VEHICULAR SPEEDS TO 5 MPH; C. PROPERLY COVER TRUCKS GARTING LOOSE MATERIAL AND CONSTRUCTION DEBRIS.
 8. 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.
 9. PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED AS INDICATED BY PERIODIC INSPECTION AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES TO INCLUDE, BUT ARE NOT LIMITED TO, CLEANINGS 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.
 10. 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 GENERAL AND SEPTIC SYSTEM REGULATIONS.
 11. 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 NYSDDEC GENERAL STORMWATER PERMIT. THE CONTRACTOR SHALL REPORT ANY REQUIRED MODIFICATIONS TO THE SWPPP NECESSITATED BY FIELD CONDITIONS OR CONSTRUCTION ACTIVITIES TO THE ENGINEER FOR REVISION OF THE SWPPP WHERE APPROPRIATE.

ENGINEER'S CERTIFICATION

HOWARD K. YOUNG, N.Y.S. L.S. NO. 45873H
 THOMAS C. VOLPERT, 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

EROSION & SEDIMENT CONTROL PLAN

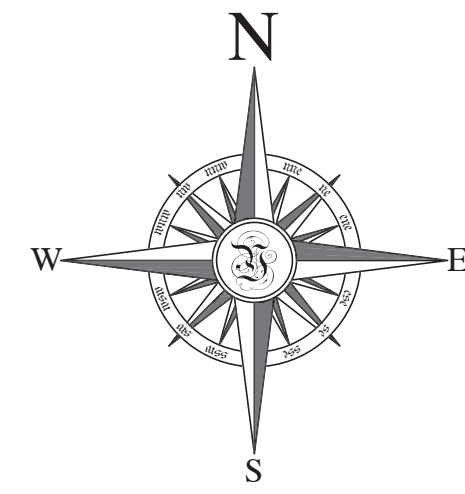
County Tax Map 1000 106 06 10
 District 1000 Section 106 Block 06 Lot 13.4

MAP PREPARED OCT. 28, 2020

Record of Revisions

REVISION	SHEET NUMBER	DATE
DOCKS & RAM	DEC 15 2020	DEC 15 2020
DOCKS	MAR 08 2021	MAR 08 2021
DOCKS	MAR 12 2021	MAR 12 2021
MULTIPLE	MAY 04 2021	MAY 04 2021
	OCT 18 2021	OCT 18 2021

Scale: 1" = 40'



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HOWARD W. YOUNG, N.Y.S. L.S. NO. 45848a
 THOMAS C. WOLFERT, N.Y.S. P.E. NO. 61483
 DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 60941

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. 45848a

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

AERIAL OVERLAY

County Tax Map 1000 District 1006 Section 106 Block 06 Lot 10 13.4

MAP PREPARED MAY 04, 2021

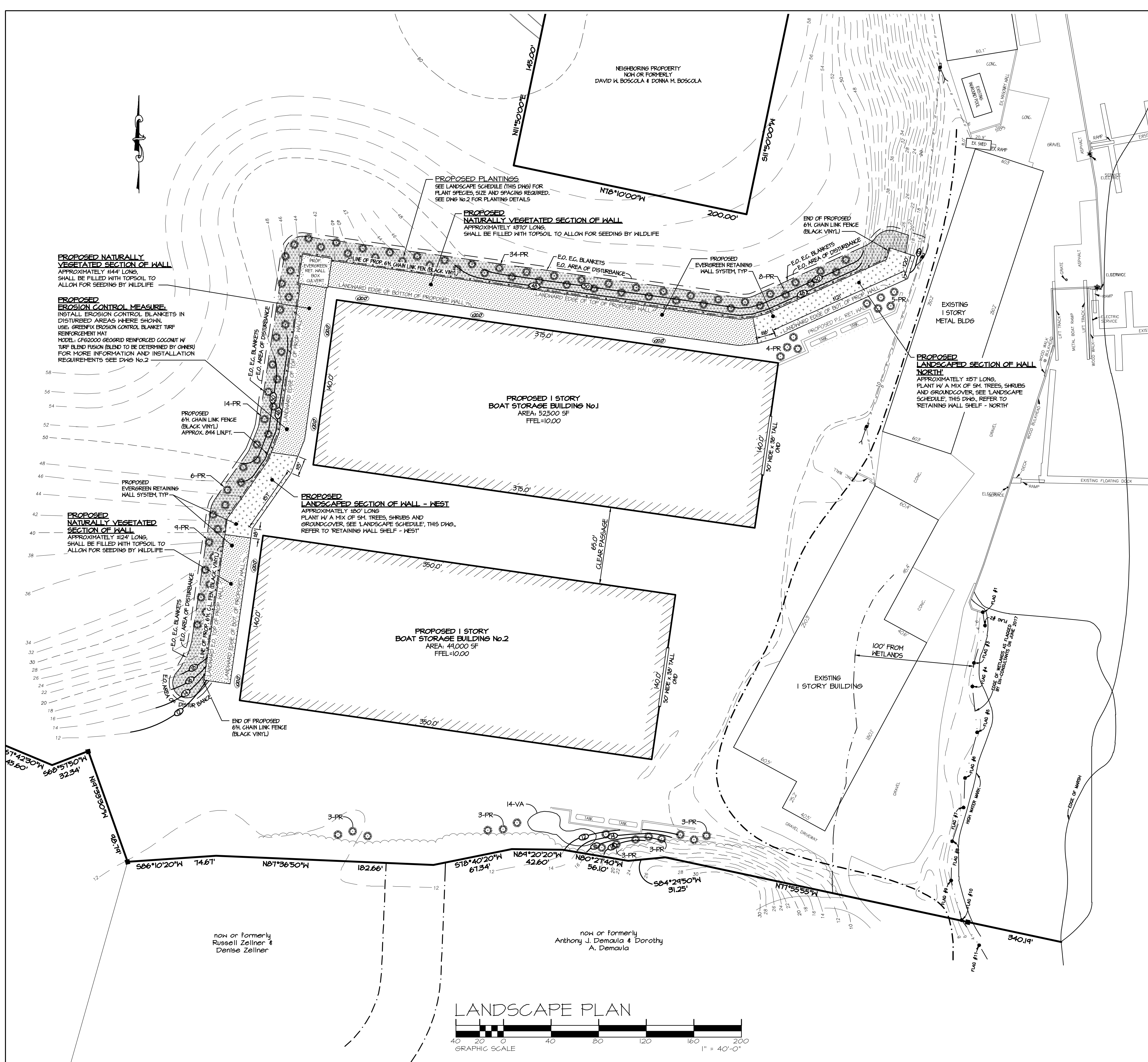
REVISION	DATE
MULTIPLE	OCT. 18, 2021

Scale: 1" = 100'


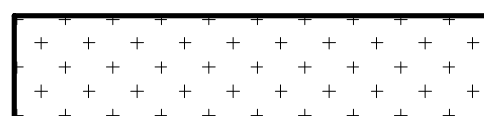
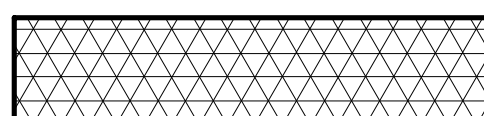
DWS FILE: R:\2017\0165\Site Plan.dwg

PLOT DATE: Dec 08, 2021 - 8:00am

PLOTTED BY: HJ



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

EROSION CONTROL BLANKET:
 GREENFIX EROSION CONTROL BLANKET TURF REINFORCEMENT MAT
 MODEL: CFS2000 GEORGRID 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 = 46.2% 50 FT.



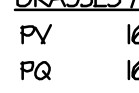


PHOTO OF WALL JUST AFTER INSTALLATION AND PLANTING




PHOTO OF WALL BEHIND FULL GROWTH VEGETATION

LANDSCAPE SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
UPLAND (BEYOND TOP OF WALL):					
EVERGREEN TREE					
PR	11	Pinus rigida	PITCH PINE	4'-5" MIN.	18' O.C.
SHRUBS					
VA	51	Vaccinium angustifolium	LOWBUSH BLUEBERRY	5 GAL. CONTAINER	3' O.C.
GRASSES / GROUND COVER					
PA	4,245	Panicum virgatum	SWITCHGRASS	1 GAL. CONTAINER	2' O.C.
 PLANTED AREA: MIX OF VA AND PA					
SURROUNDING SITE @ OR ABOUT BUILDING ELEVATION:					
EVERGREEN TREE					
PR	24	Pinus rigida	PITCH PINE	4'-5" MIN.	15' O.C.
SHRUBS					
VA	14	Vaccinium angustifolium	LOWBUSH BLUEBERRY	5 GAL. CONTAINER	8' O.C.
RETAINING WALL SHELF - WEST, #20 LIN.FT.:					
SMALL TREE / SHRUB					
MP	12	Myrica pensylvanica	BAYBERRY	2-3 GAL. CONTAINER MIN.	6' O.C.
RT	1	Rhus typhina	STAGHORN SUMAC	2-3 GAL. CONTAINER MIN.	12' O.C.
AC	1	Amelanchier canadensis	SHADEBUSH	2-3 GAL. CONTAINER MIN.	12' O.C.
GRASSES / GROUND COVER					
PV	90	Panicum virgatum	SWITCHGRASS	1 GAL. CONTAINER	2' O.C.
PQ	90	Parthenocissus quinquefolia	VIRGINIA CREEPER	1 GAL. CONTAINER	2' O.C.
AS	90	Asclepias syriaca	COMMON MILKWEED	1 GAL. CONTAINER	2' O.C.
SS	90	Baccharis halimifolia	GROUNDSLE BUSH	1 GAL. CONTAINER	2' O.C.
 PLANTED AREA: MIX OF MP, RT, AC, PV, PQ, AS AND SS					
RETAINING WALL SHELF - NORTH, #157 LIN.FT.:					
SMALL TREE / SHRUB					
MP	20	Myrica pensylvanica	BAYBERRY	2-3 GAL. CONTAINER MIN.	6' O.C.
RT	13	Rhus typhina	STAGHORN SUMAC	2-3 GAL. CONTAINER MIN.	12' O.C.
AC	13	Amelanchier canadensis	SHADEBUSH	2-3 GAL. CONTAINER MIN.	12' O.C.
GRASSES / GROUND COVER					
PV	165	Panicum virgatum	SWITCHGRASS	1 GAL. CONTAINER	2' O.C.
PQ	165	Parthenocissus quinquefolia	VIRGINIA CREEPER	1 GAL. CONTAINER	2' O.C.
AS	165	Asclepias syriaca	COMMON MILKWEED	1 GAL. CONTAINER	2' O.C.
SS	165	Baccharis halimifolia	GROUNDSLE BUSH	1 GAL. CONTAINER	2' O.C.
 PLANTED AREA: MIX OF MP, RT, AC, PV, PQ, AS AND SS					

REVISIONS:
 10-08-2021 REVISED LANDSCAPE PLAN BASED ON NEW AREA OF DISTURBANCE
 11-03-2021 REVISED LANDSCAPE SCHEDULE BASED ON LAND USE RECOMMENDATIONS



JEFFREY T. BUTLER, P.E., P.C.
 P.O. BOX 634
 SHOREHAM, NEW YORK
 TEL.: 631.208.8850 FAX: 631.127.8033

PROPOSED LANDSCAPE PLAN FOR:
 STRONG'S MARINE
 MATTIUCK, NY
 S.C.T.M. No.: 1000-106-06-10 # 13.4

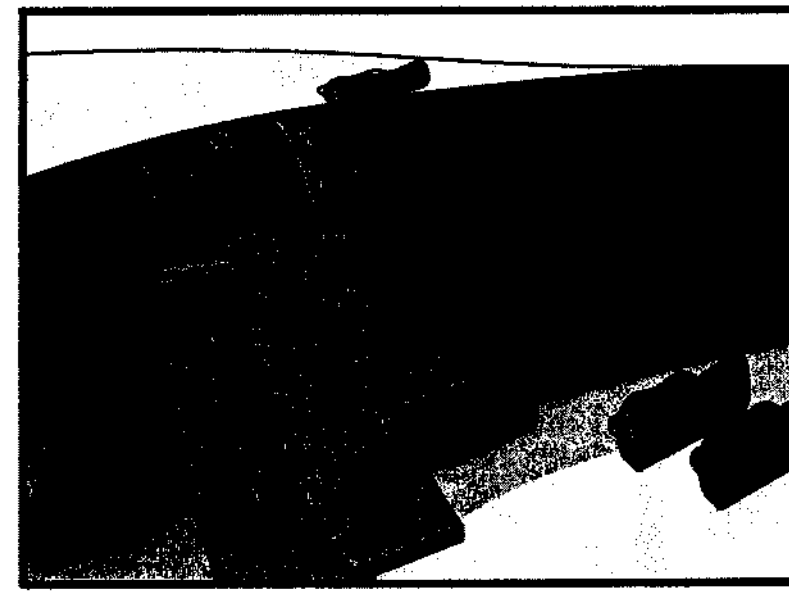
COUNTY OF SUFFOLK
 JOB No.: 180016
 DATE: 5/2/18

TOWN OF SOUTHOLD
 DRAWN BY: RAC
 APPROVED BY: JTB

PAGE:
 1
 of 2

THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF THE ARCHITECT AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT. VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

EROSION CONTROL BLANKETS



Description and Purpose
 Matings 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

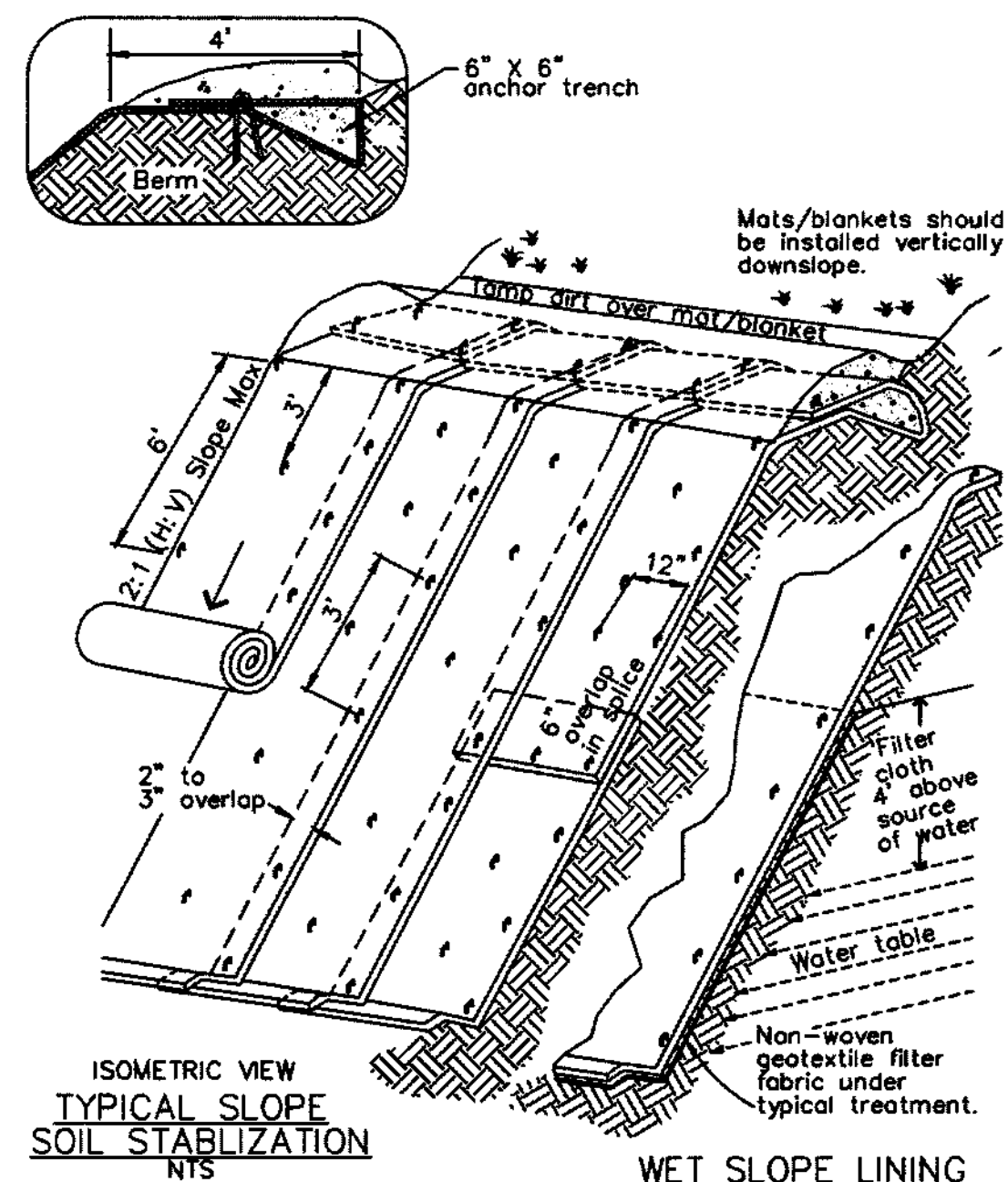
- Proper site preparation is essential to ensure complete contact of the blanket or matting with the soil.
- Grade and shape the area of installation.
- Remove all rocks, clods, vegetation or other obstructions so that the installed blankets or mats will have complete, direct contact with the soil.
-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



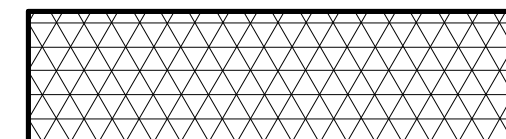
- NOTES:
- Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
 - Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 - Install per manufacturer's recommendations

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 blankets 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.

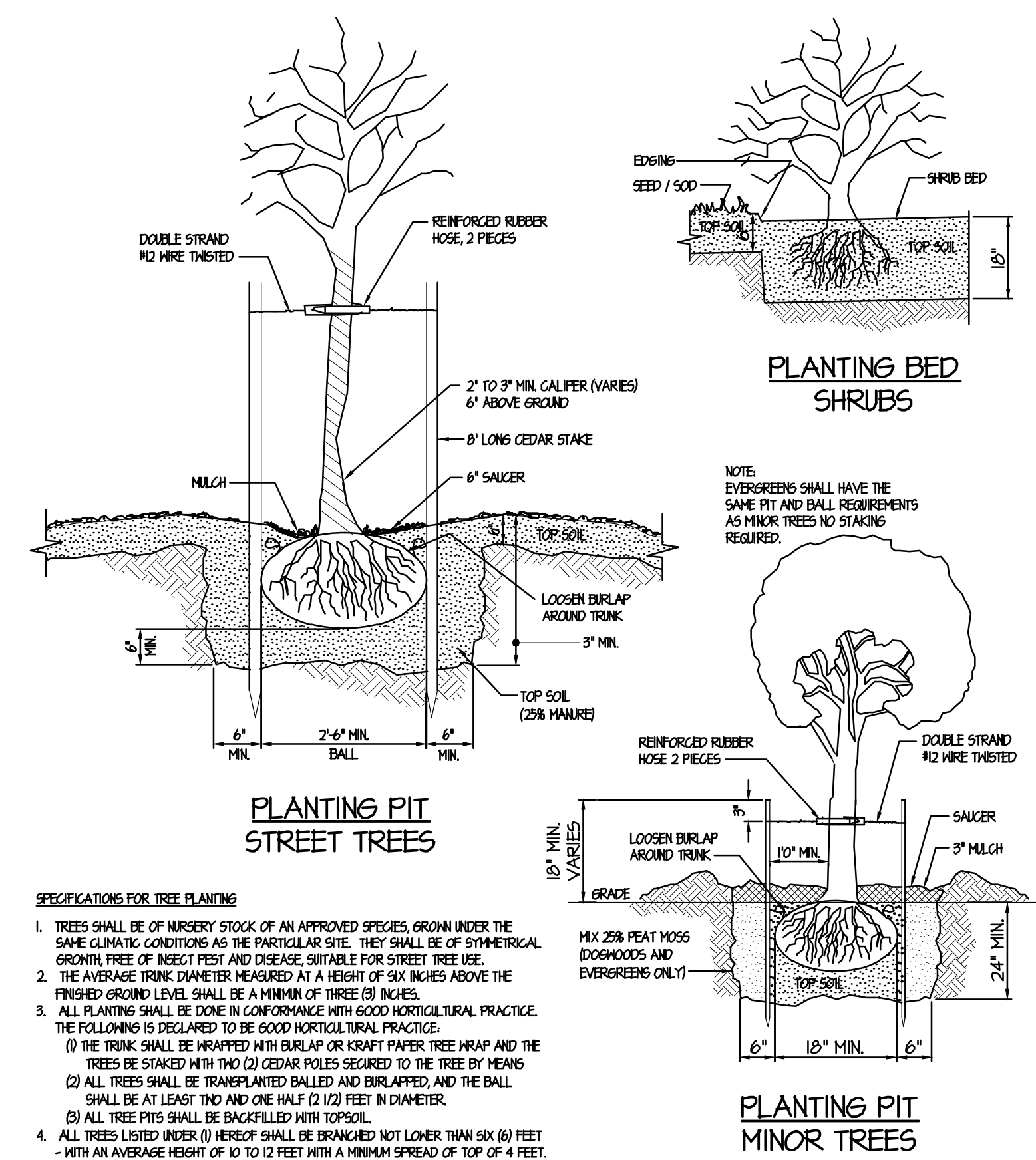


EROSION CONTROL BLANKET:

GREENFIX EROSION CONTROL BLANKET TURF REINFORCEMENT MAT
 MODEL: CF62000 GEORGRID 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)

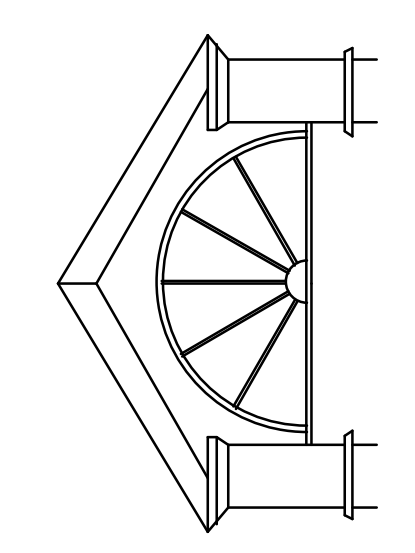
PROPOSED APPROXIMATE BLANKET GROUND COVER = 43,600 SQ.FT.



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:
 - 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 MEANS
 - ALL TREES SHALL BE TRANSPORTED BALLED AND BURLAPPED, AND THE BALL SHALL BE AT LEAST TWO AND ONE HALF (2 1/2) FEET IN DIAMETER.
 - ALL TREE TITS SHALL BE BACKFILLED WITH TOPSOIL.
- ALL TREES LISTED UNDER (1) 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
 10-08-2011 REVISED LANDSCAPE PLAN BASED ON NEW AREA OF DISTURBANCE
 11-03-2011 REVISED LANDSCAPE SCHEDULE BASED ON LAND USE RECOMMENDATIONS



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 SHOREHAM, NEW YORK
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DETAILS FOR:
 STRONG'S MARINE
 MATITUCK, NY
 S.C.T.M. No.: 1000-106-06-10 #13.4

COUNTY OF SUFFOLK TOWN OF SOUTHWOLD
 JOB No.: 180016 DRAWN BY: RAC
 DATE: 04-15-2014 APPROVED BY: JTB