

PROPOSED NEW RESIDENCE AND POOL ON VACANT LOT PROPOSED 2-STORY, 7-BEDROOM RESIDENCE

TOTAL LOT AREA: 20,086 SQ.FT. (0.4611 ACRES)

MAP OF EAST HAMPTON KNOLLS

7 DEEMABLE BEDROOM SINGLE FAMILY RESIDENCE

MINIMUM TREATMENT SYSTEM CAPACITY: 770 GPD (SCDHS RES. STDS. TABLE 3)

MINIMUM LEACHING CAPACITY: 475 SF (400 SF FOR 6 BEDROOMS +75SF FOR EACH ADDITIONAL).

INSTALL ONE (1) HYDROACTION AN800 TREATMENT UNIT (800 GPD CAPACITY PROVIDED)

INSTALL TWO (2) 8' DIA. X 10' EFFECTIVE DEPTH LEACHING POOLS; 502 SF OF SIDEWALL AREA PROVIDED PROVIDE ADEQUATE SPACE FOR ONE (1) 8' DIA. X 10' DEEP EXPANSION POOL

1. DESIGN ENGINEER SHALL OBSERVE THE OWTS PRIOR TO BACKFILL AND DURING SYSTEM STARTUP. 2. INSTALLER SHALL VERIFY ALL INVERT ELEVATIONS PRIOR TO INSTALLATION & NOTIFY ENGINEER OF ANY

3. INSTALLER IS RECOMMENDED TO SCHEDULE PRE-CONSTRUCTION MEETING WITH DESIGN PROFESSIONAL BEFORE EXCAVATION OF NEW SANITARY SYSTEM. 4. INSTALLER SHALL BE RESPONSIBLE FOR SCHEDULE & COORDINATION OF SCDHS FIELD INSPECTIONS. 5. OWTS SHALL BE TESTED FOR WATER TIGHTNESS PRIOR TO ARRIVING ONSITE USING METHOD APPROVED BY

6. THE OWTS INSTALLER SHALL HOLD AN I/A OWTS ENDORSEMENT FROM SCDHS AND SHALL BE AN

7. INSTALLER SHALL REGISTER THE OWTS WITH SCDHS. THE ENGINEER SHALL PROVIDE RECORD DOCUMENTS

8. AN EXECUTED 0&M CONTRACT BETWEEN THE MAINTENANCE PROVIDER AND THE PROPERTY OWNER SHALL BE PROVIDED TO SCDHS. THE SERVICE CONTRACT SHALL BE A MIN. 3 YEARS. 9. NO SURFACE WATERS OR WETLANDS WITHIN 300 FT OF PROPERTY.

10. TEST HOLE PER "EAST HAMPTON KNOLLS" SUBDIVISION MAP.

 SANITARY SYSTEMS SHALL BE MIN 10' FROM ANY ONSITE DRY WELLS SANITARY SYSTEMS SHALL BE MIN 10' FROM ANY WATER SERVICES SEWER LINES SHALL BE MIN 5' FROM BASEMENT AREAWAYS WATER LINES SHALL BE MIN 4.5' FROM BASEMENT AREAWAY I/A OWTS & LEACHING POOLS SHALL BE MIN 5' FROM PROPER

• I/A OWTS SHALL BE MIN 75' FROM POTABLE WELLS SANITARY LEACHING POOLS SHALL BE MIN 100' FROM POTAB ONSITE DRY WELLS SHALL BE MIN 50' FROM POTABLE WELLS UNDERGROUND LPG TANKs SHALL BE MIN 100' FROM ANY WE

S CERTIFICATION REQUIRED.
LLATION AND CONSTRUCTION
LAPPROVAL.

Water lines must be inspected by the Suffolk County Dept. of Health Services. Call (631) 852-5754, 48 hours in advance, to schedule inspection(s).

**EXCAVATION INSPECTION REQUIRED** FOR SANITARY SYSTEM BY HEALTH DEPARTMENT

JCTION MEETING WITH DESIGN PROFESSIONAL RDINATION OF SCDHS FIELD INSPECTIONS. ARRIVING ONSITE USING METHOD APPROVED BY MENT FROM SCDHS AND SHALL BE AN ENGINEER SHALL PROVIDE RECORD DOCUMENTS CE PROVIDER AND THE PROPERTY OWNER SHALL A MIN. 3 YEARS. OPERTY. AP. TE DRY WELLS R SERVICES VAYS & LIGHTWELLS AWAYS & LIGHTWELLS ROPERTY LINE OTABLE WELLS VELLS	Residence 62 Whooping Hollow East Hampton, NY 11937 SCTM No. 300-156-2-20			
YY WELLS		Site Plan		
	anssi		Rev. 0 - 01.23.24 Rev. 1 - 01.30.24	Rev. 2 - 02.16.24
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES PERMIT FOR APPROVAL OF CONSTRUCTION FOR A SINGLE FAMILY RESIDENCE ONLY	Date	Feb. 16, 2024	Scale	As noted
DATE 2/20/24 H.S. REF. No. R-24-0174 APPROVED Matthew Junima For Maximum OF 7 BEDROOMS EXPIRES THREE YEARS FROM DATE OF APPROVAL bace above reserved for SCDHS approval	Sheet		т (	

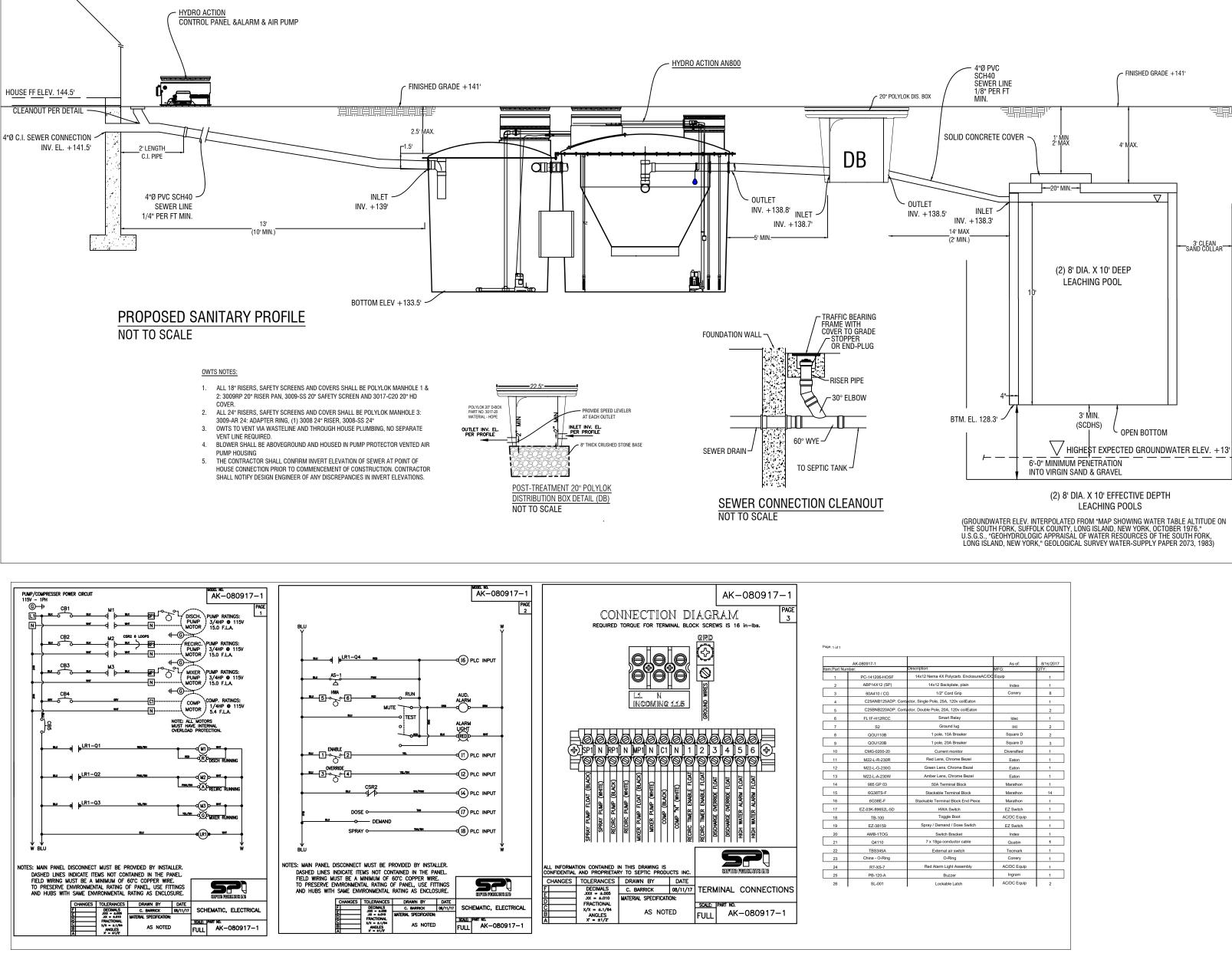
| Consulting Engineer t #21, P.O. Box 1442 n, NY 11937 631-329-0324 (F)

**D.B. Bennett, P.E., P.C. | C** 74 Montauk Hwy, Unit #2 East Hampton, N 631-907-0023 (T) 6

-0324 (F)



Space above reserved for SCDHS approval



### **ROOF DRAINAGE NOTES:**

THE EXISTENCE AND LOCATION OF AERIAL, SURFACE OR SUBSURFACE UTILITIES INDICATED ON THE PLAN ARE NOT GUARANTEED. THE CONTRACTOR SHALL HAVE A UTILITY MARKOUT PERFORMED PRIOR TO STARTING ANY WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, AND SHALL EXERCISE CAUTION WHILE WORKING NEAR UTILITIES. EXCAVATION IN THE VICINITY OF EXISTING STRUCTURES AND UTILITIES SHALL BE DUG BY HAND. THE CONTRACTOR WILL COORDINATE WITH UTILITITY COMPANIES REGARDING SHORING, BRACING AND MODIFICATION OF THEIR UTILITIES AND APPURTENANCES AS REQUIRED TO PROGRESS THE WORK. THE COST OF UTILITY IDENTIFICATION, COORDINATION, PERMITTING AND PROTECTION WILL BE INCLUDED IN THE PRICE OF THE BID.

ROOF DRY WELLS DESIGNED TO STORE RUNOFF PRODUCED FROM 2" RAINFALL IN 24 HOURS. STAIRWELL DRY WELL DESIGNED TO STORE RUNOFF PRODUCED FROM 4" RAINFALL IN 24 HOURS.

RUNOFF COEFFICIENTS: R00F: 1.0

# AND SEDIMENT CONTROL PLAN FOR SPECIFICATION.

DRY WELLS SHALL BE MIN. 10 FT FROM WATER SERVICE AND SEPTIC SYSTEMS.

DRY WELLS SHALL BE MIN. 25 FT FROM GEOTHERMAL WELLS AND GEOTHERMAL PIPING.

## DRAINAGE CALCULATIONS

ROOF 2150 SF ROOF AREA X 2/12 X 1.0 = 358.33 CF 358.33/42.24 = 8.48 VF (8'Ø DRY WELL)

## USE (3) 8'Ø X 4' DEEP DW (506.88 CF PROVIDED) (DW1, DW2, DW3)

**BASEMENT STAIRWELL** 

## 90 SF STAIR AREA X 4/12 X 1.0 = 30 CF

220 SF HOUSE SIDEWALL AREA X 4/12 X 1.0 = 73.33 CF

103.33/42.24 = 2.45 VF (8'Ø DRY WELL)

#### WINDOW WELLS

588 SF X 4/12 X 1.0 = 196 CF

196/42.24 = 4.64 VF (8'Ø DRY WELL)

USE (1) 8'Ø X 5' DEEP DW (211.2 CF PROVIDED) (DW5)

DURING THE COURSE OF DRAINAGE CONSTRUCTION, EROSION AND SEDIMENT CONTROL MEASURES WILL BE REQUIRED. SEE EROSION

## USE (1) 8'Ø X 3' DEEP DW (126.7 CF PROVIDED) (DW4)

 $\overline{40 \text{ SF WELL AREA}}$  + (6.5' X 24' SIDEWALL) = 196 SF X 3 WELLS = 588



GROUND WATER

FINISHED GRADE ·

6" DIA. MIN. PVC PIPE

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4. ALL DRAINAGE STRUCTURES SHALL BE PLACED IN ACCEPTABLE LEACHING SOILS AS APPROVED BY THE ENGINEER. IN THE EVENT POOR LEACHING MATERIAL IS ENCOUNTERED, EXCAVATION IS TO BE CONTINUED TO SUITABLE MATERIAL & BACK FILLED AS DETAILED.

SOLID CONCRETE COVER

- #3'-0" MIN ----

Ð

H-20 TRAFFIC BEARING SLAB

- WRAP WITH 6oz. (MIN.)

NONWOVEN GEOTEXTILE

- ALL WALL SECTIONS & TOPS

(FILTER FABRIC)

SHALL BE SET IN A

BED OF MORTAR

CLEAN SAND BACKFILL

