GEOGRAPHIC INDEX 41-26-00.6 -73-55-02.1

TREE LEGEND

QK14TW
- ATTRIBUTE (TW = TWIN)
- CALIPER (14 = 14")
- SPECIES (QK = OAK)
- TREE LOCATION

KEY

SPECIES

AL AILANTHUS	LC LOCUST
AS ASH	MA MAPLE
BI BIRCH	OK OAK
CD CEDAR	SY SYCAMORE
CH CHERRY	WN WALNUT
FR FIR	ZA PAULOWNIA
HC HICKORY	

ATTRIBUTES

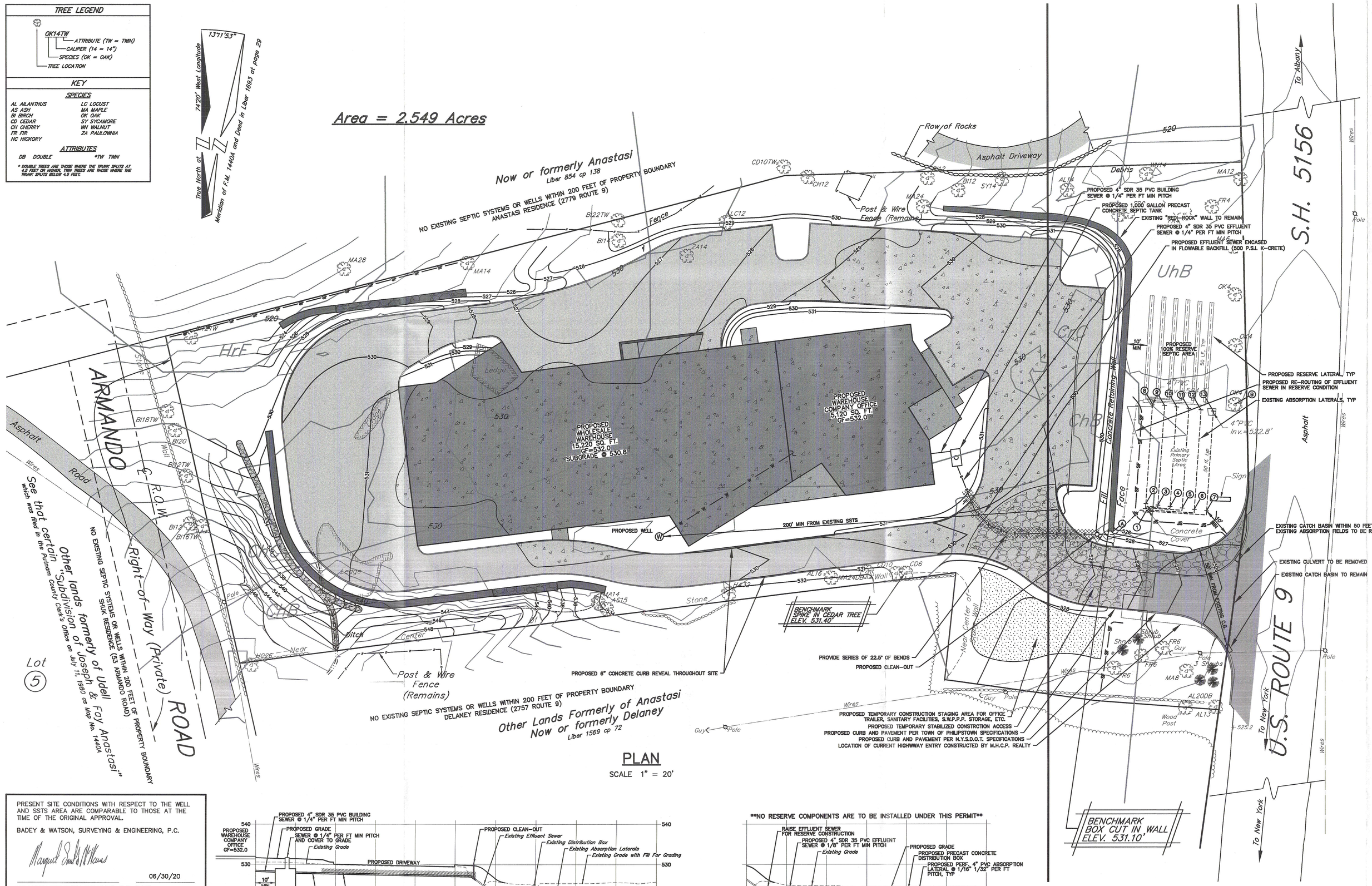
DB DOUBLE TW TWIN

* DOUBLE TREES ARE THOSE WHERE THE TRUNK SPLITS AT 4.5 FEET OR MORE, TWIN TREES ARE THOSE WHERE THE TRUNK SPLITS BELOW 4.5 FEET.

137°53' 742.20' West Longitude

True North at Meridian of F.M. 1440A and Deed in Liber 1093 at page 29

Area = 2.549 Acres



PLAN

SCALE 1" = 20'

AS-BUILT RELOCATION-DIMENSIONS	
1A	19.6' DISTRIBUTION BOX
1B	69.1' DISTRIBUTION BOX
2A	21.3' LATERAL BEGINING
2B	66.8' LATERAL BEGINING
3A	25.8' LATERAL BEGINING
3B	63.5' LATERAL BEGINING
4A	30.9' LATERAL BEGINING
4B	60.6' LATERAL BEGINING
5A	36.4' LATERAL BEGINING
5B	58.2' LATERAL BEGINING
6A	42.0' LATERAL BEGINING
6B	56.4' LATERAL BEGINING
7A	47.7' LATERAL BEGINING
7B	55.2' LATERAL BEGINING
8A	66.6' END CAP
8B	41.3' END CAP
9A	67.9' END CAP
9B	35.2' END CAP
10A	69.8' END CAP
10B	29.1' END CAP
11A	72.2' END CAP
11B	23.1' END CAP
12A	74.9' END CAP
12B	17.7' END CAP
13A	78.1' END CAP
13B	11.4' END CAP
14	– SEPTIC TANK (INLET)
14	– SEPTIC TANK (INLET)
15	– SEPTIC TANK (OUTLET)
15	– SEPTIC TANK (OUTLET)
16	– CLEAN-OUT
16	– CLEAN-OUT
17	– WELL
17	– WELL

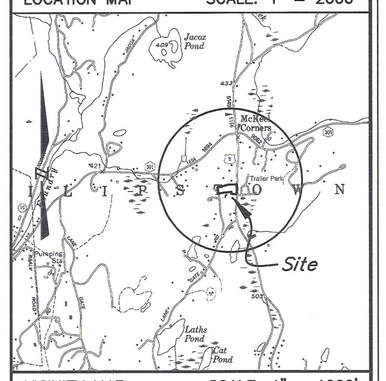
SOILS LEGEND

Map Symbol	Hydrologic Soil Group	Soil Name
ChB	B	CHARLTON loam, 2-8% Slopes
ChC	B	CHARLTON loam, 8-15% Slopes
CrC	B	CHARLTON-CHATFIELD complex, rolling, very rocky
HrF	C/D	HOLLIS-ROCK outcrop complex, very steep
UhB	-/B	URBAN LAND-CHARLTON complex, 2-8% Slopes

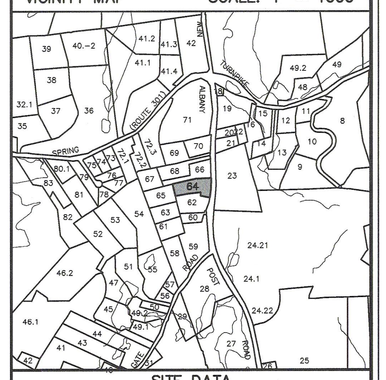
= Soil delineation (boundary) lines

Soils classifications and delineated lines have been derived from U.S. Department of Agriculture, Soil Conservation Service "Soil Survey of Putnam & Westchester Counties, New York" issued September 1994.

LOCATION MAP SCALE: 1" = 2000'



VICINITY MAP SCALE: 1" = 1000'



SITE DATA

TAX MAP NO: 38.-3-64
LOT AREA: 2.549 ACRES
ZONING DISTRICT: HIGHWAY COMMERCIAL (HC)
PROPOSED USE: WAREHOUSE AND OFFICE (BOTH PERMITTED BY RIGHT SUBJECT TO SITE PLAN APPROVAL BY THE PLANNING BOARD)
SCHOOL DISTRICT: HALDANE CENTRAL S.D.
FIRE: NORTH HIGHLANDS ENGINE CO. 1
AMBULANCE: PHILIPSTOWN VOLUNTEER AMBULANCE CORPS
SUBDIVISION: CURRENT LOT CONFIGURATION NOT SHOWN ON A FILED MAP

FIELD TEST RESULTS

DEEP TEST HOLES

NO. 1		NO. 2		NO. 3		SOIL LAYER DESCRIPTION
0	6	0	8	0	6	TOPSOIL
–	–	8	36	–	–	SILTY LOAM
6	108	36	84	6	84	SAND AND GRAVEL

NOTE: ALL DEPTHS ARE IN INCHES FROM TOP OF HOLE.

PERCOLATION TESTS

NO.	DATE	DEPTH	RATE	COMMENTS
A	07/09/06	30"	3 MIN/IN	
B	07/09/06	30"	3 MIN/IN	

NOTE: ALL DEPTHS ARE IN INCHES FROM TOP OF HOLE.
ALL HOLES THOROUGHLY PRE-SOAKED.

REVISIONS

DATE	DESCRIPTION
06/29/20	ORIGINAL DRAWING

ARCHITECT

HUDSON DESIGN – ARCHITECTURE & CONSTRUCTION MANAGEMENT PLLC
1949 ROUTE 9
COLD SPRING, NY 10516
(845) 424-4810

PROJECT LOCATION

2761 ROUTE 9, COLD SPRING
TOWN OF PHILIPSTOWN
COUNTY OF PUTNAM
STATE OF NEW YORK

PROJECT DESCRIPTION

NEW CONSTRUCTION OF A WHOLESALE DISTRIBUTION WAREHOUSE INCLUDING ASSOCIATED OFFICES TO BE SERVED BY A SEPARATE SUBSURFACE SEWAGE TREATMENT SYSTEM AND PRIVATE INDIVIDUAL WELL

APPLICANTS

CRS INTERNATIONAL, INC. (CONTRACT VENDEE)
3027 ROUTE 9
COLD SPRING, NY 10516

PROPOSED SUBSURFACE SEWAGE TREATMENT SYSTEM (COMMERCIAL)

SCALE: AS NOTED

PRINTED
JULY 01, 2020
BADEY & WATSON
Surveying & Engineering, P.C.

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845.265.9217
845.265.4428 (Fax)
877.3.141593 (Toll Free)

SHEET 1 OF 1

PRESENT SITE CONDITIONS WITH RESPECT TO THE WELL AND SSTS AREA ARE COMPARABLE TO THOSE AT THE TIME OF THE ORIGINAL APPROVAL.

BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

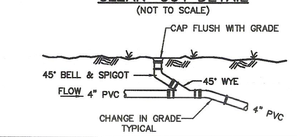
Margaret Smith McManus

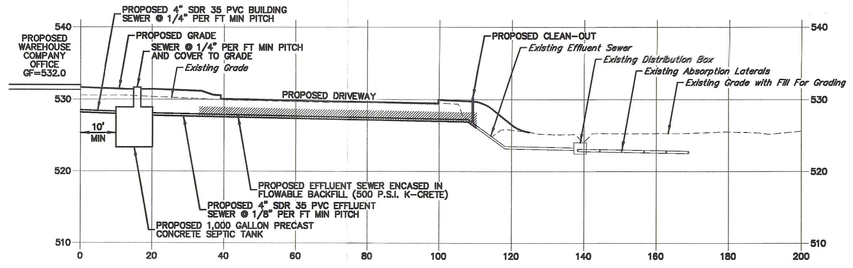
06/30/20

BY MARGARET SMITH MCMANUS, P.E. DATE

CLEAN-OUT DETAIL

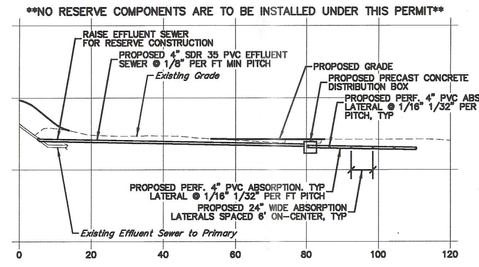
(NOT TO SCALE)





PROPOSED HYDRAULIC PROFILE THRU PRIMARY

HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 10'



PROPOSED HYDRAULIC PROFILE THRU RESERVE

HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 10'

PUTNAM COUNTY DEPARTMENT OF HEALTH CONSTRUCTION NOTES FOR SUBSURFACE SEWAGE TREATMENT SYSTEMS & WELL WATER SUPPLIES SERVING SINGLE-FAMILY RESIDENCES

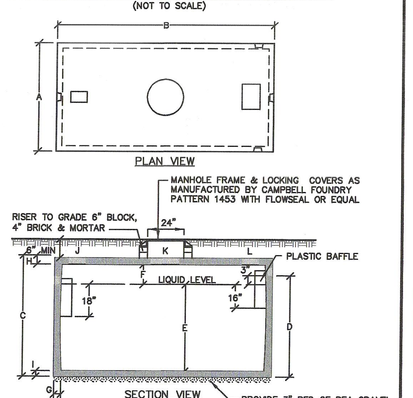
1. ALL TREES WITHIN 10 FEET OF THE PROPOSED SUBSURFACE SEWAGE TREATMENT SYSTEM (SSTS) SHALL BE REMOVED.
2. SSTS TO BE INSPECTED BY THE LICENSED DESIGN PROFESSIONAL AND THE PUTNAM COUNTY HEALTH DEPARTMENT AFTER CONSTRUCTION AND PRIOR TO BACKFILL.
3. THE SSTS AREA SHALL BE STAKED AND ROPED OFF SO THAT NO TRUCKS, MACHINERY, BUILDING MATERIALS, NOR EXCAVATED EARTH SHALL BE ALLOWED IN THE SSTS AREA.
4. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION AND MUST BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND STABILIZATION HAS OCCURRED.
5. CONSTRUCTION OF SSTS TO BE IN ACCORDANCE WITH THESE PLANS, ANY REVISIONS THERETO, AND THE RULES AND REGULATIONS OF THE PERMIT ISSUING GOVERNMENTAL AGENCY.
6. THE WELL IS TO BE A DRILLED WELL, CONSTRUCTED IN ACCORDANCE WITH NEW YORK STATE HEALTH DEPARTMENT 10 NYCRR APPENDIX 5B STANDARDS FOR WATER WELL. PUMP TESTED FOR A MINIMUM OF 6 HOURS AND HAVE A MINIMUM SAFE YIELD OF 5 GPM. YIELDS LESS THAN 5 GPM WILL BE IMMEDIATELY REPORTED TO THE PUTNAM COUNTY DEPARTMENT OF HEALTH.
7. THE SSTS DESIGN SHOWN HEREON DOES NOT PROVIDE FOR THE INSTALLATION OF A GARBAGE GRINDER. SUCH INSTALLATION REQUIRES ADDITIONAL DESIGN AND THE APPROVAL OF THE PUTNAM COUNTY DEPARTMENT OF HEALTH.
8. PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL IS BASED ON THE LOCATION OF THE SSTS, WELL, BUILDING SETBACKS, AND DRIVEWAYS AS SHOWN ON THE APPROVED DRAWING. MODIFICATIONS ARE TO HAVE PRIOR PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL. UNAUTHORIZED MODIFICATIONS MADE TO THIS DRAWING AFTER THE DATE OF PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL VOIDS SAID APPROVAL.
9. ALL STONE WALLS IN AND WITHIN 10 FEET OF SSTS AREA SHALL BE REMOVED TO THEIR ENTIRE DEPTH AND THE RESULTING VOID REPLACED WITH SIMILAR ON SITE SOIL.
10. CUT OR FILL IS NOT PERMITTED IN THE SSTS AREA, EXCEPT IF SO SPECIFIED ON THIS PLAN.
11. AFTER BACKFILLING THE SYSTEM, THE SSTS AREA SHALL BE COVERED WITH A MINIMUM OF 6 INCHES OF TOPSOIL, SEEDED, AND MULCHED.
12. OCCUPANCY OF THIS STRUCTURE WILL NOT BE PERMITTED UNTIL THE CONSTRUCTION COMPLIANCE APPLICATION HAS BEEN RECEIVED AND APPROVED BY THE PUTNAM COUNTY HEALTH DEPARTMENT AND FORWARDED TO THE BUILDING INSPECTOR OF THE RESPECTIVE MUNICIPALITY AS PART OF THE CERTIFICATE OF OCCUPANCY APPLICATION.
13. THIS PLAN IS APPROVED FOR SEWAGE TREATMENT AND/OR WATER SUPPLY ONLY, AND ALL OTHER REQUIRED PERMITS AND/OR APPROVALS ARE THE RESPONSIBILITY OF THE PERMITTEE.
14. THE PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL EXPIRES TWO (2) YEARS FROM THE DATE ON THE APPROVAL STAMP AND IS REQUIRED TO BE RENEWED ON OR BEFORE THE EXPIRATION DATE. THE APPROVAL IS REVOCABLE FOR CAUSE OR MAY BE AMENDED OR MODIFIED WHEN CONSIDERED NECESSARY BY THE DEPARTMENT.
15. A COPY OF THE HOUSE PLANS SUBMITTED TO THE BUILDING INSPECTOR OF THE LOCAL MUNICIPALITY WHEN FILING FOR A BUILDING PERMIT, MUST BE SUBMITTED TO THE PUTNAM COUNTY HEALTH DEPARTMENT TO VERIFY THE BEDROOM COUNT.
16. THE HOUSE, WELL AND SSTS SHALL BE SURVEY LOCATED AND STAKED BY A NYS LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION.
17. FOR ALL SSTS'S WHICH ARE SUBJECT TO JOINT REVIEW AND APPROVAL WITH NYCDEP THE DESIGN PROFESSIONAL IS TO NOTIFY PCHD AND NYCDEP AT LEAST 24 HOURS PRIOR TO THE COMMENCEMENT OF THE SSTS CONSTRUCTION.

ADDITIONAL SSTS & WELL NOTES

18. HOUSE SEWER SHALL BE 4 INCH DIAMETER CAST IRON, OR APPROVED EQUIVALENT IN PHILIPSTOWN AND NO CARNEL, SET ON A PITCH OF 1/4 INCH PER FOOT, WATER TIGHT AND ROOT PROOF. ALL OTHER PIPES, PERFORATED AND NON-PERFORATED SHALL BE 4 INCH DIAMETER PVC CONFORMING TO ASTM DESIGNATION D3350, UNLESS OTHERWISE NOTED. 90° BENDS ARE NOT PERMITTED. 45° BENDS MUST BE FITTED WITH A CLEANOUT. MAXIMUM SPACING BETWEEN CLEANOUTS IS 50 FEET.
19. ALL PROPOSED SSTS AND RESERVE AREAS LOCATED AT A POSTED MINIMUM SEPARATION DISTANCE SHALL BE STAKED BY A NYS LICENSED LAND SURVEYOR.
20. NO FOOTING, CELLAR OR ROOF DRAIN SHALL BE DISCHARGED INTO THE SEWAGE SYSTEM. ALL SUCH DRAINS SHALL BE DISCHARGED AWAY FROM THE ABSORPTION AREAS.
21. NO SEWAGE TREATMENT SYSTEM SHALL BE PLACED WITHIN 35 FEET OF ANY STORM DRAIN PIPE OR WITHIN 100 FEET OF ANY LAKE, POND, WATER COURSE OR WET AREA.
22. NO LATERAL SHALL BE PLACED WITHIN 10 FEET OF A DRIVEWAY.
23. ALL LAUNDRY AND KITCHEN WASTES SHALL BE DISCHARGED INTO THE SEWAGE SYSTEM.
24. WELL LOG AND WATER ANALYSIS MUST BE SUBMITTED TO THE HEALTH DEPARTMENT BEFORE A CERTIFICATE OF CONSTRUCTION COMPLIANCE WILL BE ISSUED.
25. PRECAST CONCRETE SEPTIC TANK SHALL BE DESIGNED TO WITHSTAND ALL EXTERNAL LOADS. STRUCTURAL DESIGN OF THE TANK SHALL BE RESPONSIBILITY OF THE "TANK" MANUFACTURER.
26. THE WELL CASING SHALL EXTEND 18 INCHES ABOVE FINISHED GRADE.
27. THE SURVEY DATA & TOPOGRAPHIC INFORMATION SHOWN HEREON IS AS SHOWN ON THAT CERTAIN MAP ENTITLED "SURVEY OF PROPERTY PREPARED FOR CRS INTERNATIONAL, INC.," PREPARED BY BADEY & WATSON, SURVEYING AND ENGINEERING, P.C. DATED DECEMBER 12, 2019.
28. THE VERTICAL DATUM HEREON IS MEAN SEA LEVEL, NGVD 1929.
29. THE CONDITIONS NOTED ON THE P.C.H.D. CERTIFICATE OF APPROVAL ARE AN INTEGRAL PART OF THIS APPROVAL AND COMPLIANCE IS REQUIRED.
30. NO EXISTING OR PROPOSED SEPTIC SYSTEMS ARE WITHIN 200 FEET OF PROPOSED WELL EXCEPT AS SHOWN. NO EXISTING OR PROPOSED WELLS ARE WITHIN 200 FT. OF PROPOSED SEWAGE DISPOSAL SYSTEM EXCEPT AS SHOWN.
31. THERE ARE NO WATERCOURSES, STREAMS, WETLAND BOUNDARIES, OR 100 YEAR FLOOD PLAIN LIMITS, OTHER THAN THOSE SHOWN HEREON, WITHIN 200 FEET OF THE PROPOSED SSTS SHOWN HEREON.
32. THERE ARE NO STREAMS, WETLANDS, DRAINAGE COURSES, ETC., OTHER THAN THOSE SHOWN HEREON, WITHIN 200 FEET OF THE SUBJECT PARCEL BOUNDARY.
33. THE SUBSURFACE SEWAGE TREATMENT SYSTEM HEREON IS DESIGNED 1 TO 7 MINUTES PER INCH.

PRECAST CONCRETE SEPTIC TANK DETAIL

(NOT TO SCALE)



MANUFACTURED BY MID-HUDSON CONCRETE PRODUCTS, INCORPORATED

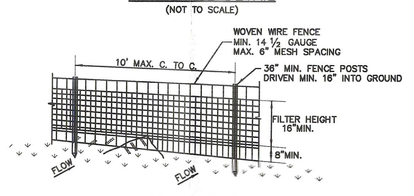
SEPTIC TANK DIMENSIONS

NOMINAL SIZE	A	B	C	D	E	F	G	H	I	J	K	L
1,000 GAL	58	102	67	55	47.5	12	3	4	4	6X9	18	10X14

ALL DIMENSIONS ARE IN INCHES
EQUIPPED WITH POLYLOK PIPE SEALS
CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
JOINTS SEALED WITH ASPHALT CEMENT OR EQUAL
REINFORCED WITH 6X6X10 GAUGE WIRE MESH

SILT FENCE DETAIL

(NOT TO SCALE)

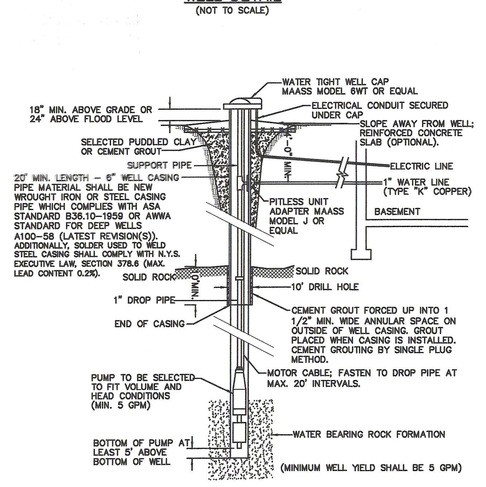


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

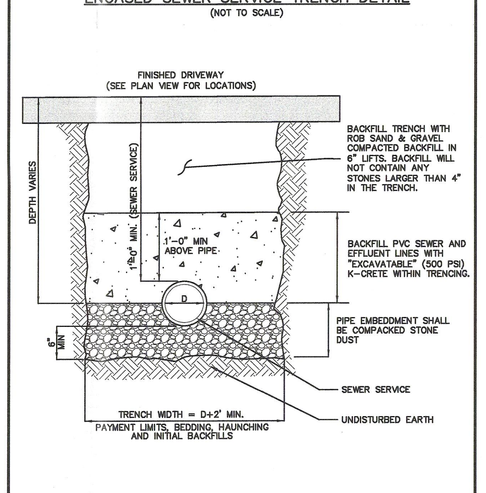
WELL DETAIL

(NOT TO SCALE)



ENCASED SEWER SERVICE TRENCH DETAIL

(NOT TO SCALE)



NOTES:
1. NO ROCK IS TO PROJECT INTO WITHIN THE EDGES OF THE TRENCH. IN ROCK EXCAVATION PIPE SHALL BE A MIN. OF 6" OVER AND AWAY FROM ROCK.
2. BACKFILL SHALL BE PLACED SO AS TO NOT DISTURB THE PIPE ALIGNMENT.

WARNING STAMP

ALTERATION OF THIS DOCUMENT, IN ANY WAY, BY ANY PERSON NOT UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, AS APPROPRIATE, IS A VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK

PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL STAMP

DRAWING NAME: SD25060__R01_V04 LAYOUT: SSTS W.O. NO. 25060 CHECKED BY MSM DRAWN BY JRS

FILE NO. 85-140