McGOEY, HAUSER and EDSALL
CONSULTING ENGINEERS D.P.C.

MARK J. EDSALL, P.E., P.P. (NY, NJ & PA)
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RICHARD D. McGOEY, P.E. (NY & PA)
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TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS

PROJECT:	**SERVISS SUBDIVISION**
PROJECT NO.:	**19-10**
PROJECT LOCATION:	**SECTION 34, BLOCK 1, LOT 25.2**
REVIEW DATE:	**18 JUNE 2019**
MEETING DATE:	**20 JUNE 2019**
PROJECT REPRESENTATIVE:	**JAMES A. DILLIN, PLS/TALCOTT ENGINEERING**

1. Comments from the Highway Superintendent should be received. Site distances have been added to the plans on Sheet 4 of 4.

2. One inch service laterals are provided on the plans. The Applicants representative is requested to coordinate the curb stop identified in the Town of Newburgh Water System notes versus the one identified on the detail.

3. Note #4 on the map identifies that the wetlands were flagged on 2 July 2018 by Peter D. Torgeson. Note #7 has been added to the plans proposing to fill in wetlands to provide for separation distance to septic system

4. Previous comment #7 requested the Grading Plan and limits of disturbance be provided for the lots. The addition of the re-grading of the wetland areas will most likely cause greater than one acre disturbance on the project site and require coverage under the NYSDEC Stormwater SPDES program, a SWPPP for residential projects should be prepared.

5. The roadway dedication information should be submitted to the Planning Board Attorney for review.

6. Easement documentation for the common driveway serving lots #2 & 3 as well as Access and Maintenance Agreement must be submitted to the Planning Board attorney for review.

7. Plans have sufficient information for referral to the Orange County Planning Department.

Respectfully submitted,

McGoey, Hauser and Edsall
Consulting Engineers, D.P.C.

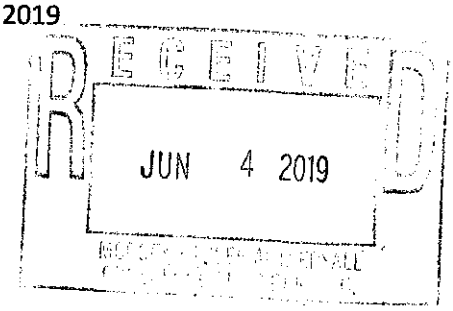
_____

Patrick J. Hines
Principal
PJH/kbw

James A. Dillin, PLS

PROFESSIONAL LAND SURVEYOR
38 SCOTCHTOWN AVENUE
GOSHEN, NEW YORK 10924
PHONE (845) 294-9086 FAX (845) 294-3606

May 30, 2019



John Ewasutyn, Chairman
Town of Newburgh Planning Board
1496 Route 300
Newburgh, N.Y. 12550

RE: Serviss
2019-10
Section 34 Block 1 Lot 25.2

Dear John and Planning Board Members:

Please find enclosed revised Subdivision Plans (4 Sheets) as per Engineering comments in letter of April 11, 2019 and Planning Board meeting on April 18, 2019. Comments are addressed in numbered order:

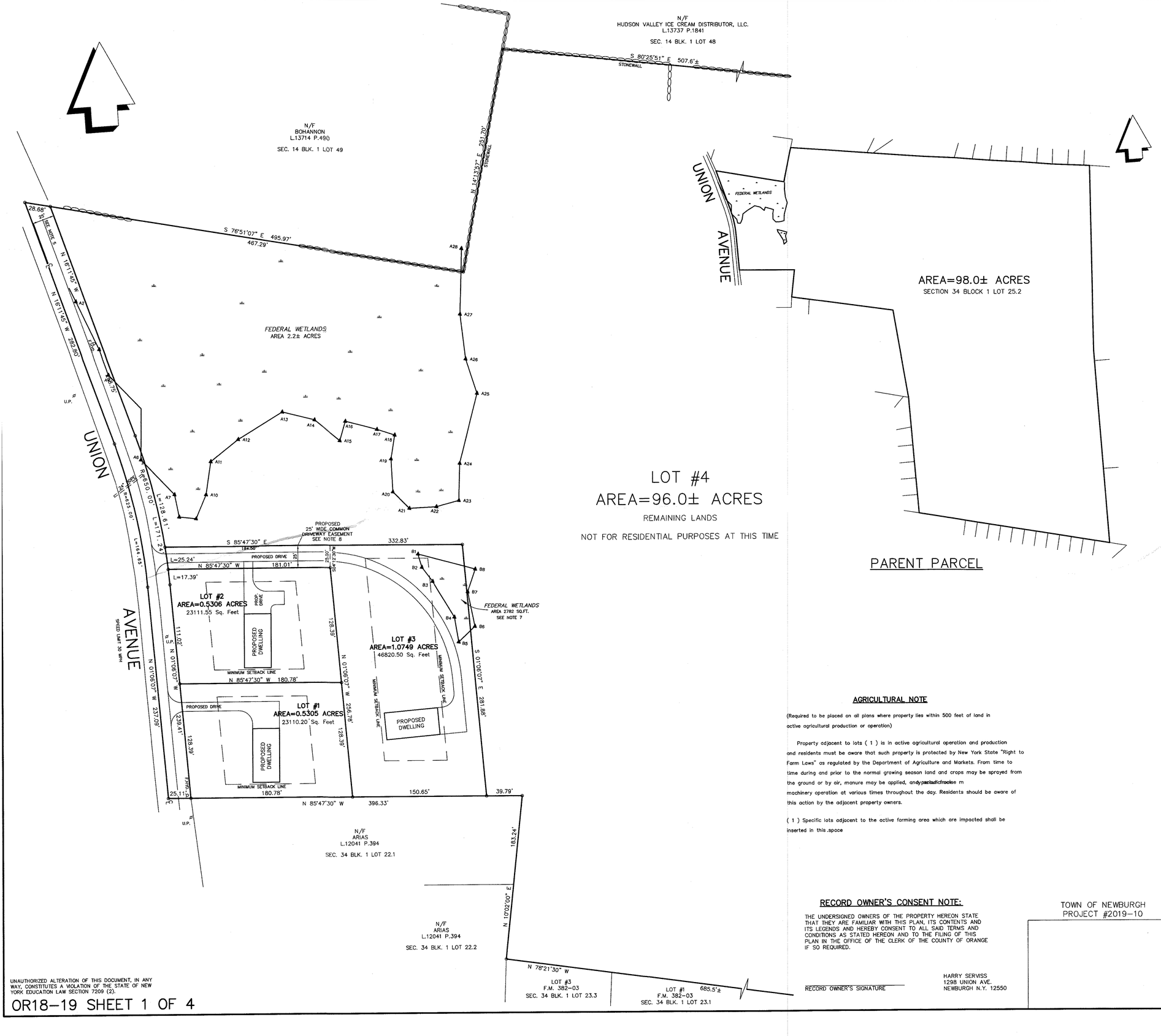
1. Sheet 2 of 4 and 3 of 4 are submitted to address designs for subsurface sanitary sewer.
2. Sight distances are now shown on Sheet 4 of and are ready for review by Highway Superintendent.
3. Note 6 added on Sheet 1 of 4.
4. Culverts have been added on Sheet 2 of 4.
5. Town of Newburgh Water System Connection notes and details are shown on Sheet 4 of 4. 1" lines are proposed on all Lots.
6. Wetlands on Lot #3 are to be eliminated (see Note 7).
7. Grading Plan is shown on Sheet 2 of 4. Limits of disturbance and soil erosion and sediment control detail are shown on Sheet 4 of 4.
8. The Roadway dedication parcel description is being prepared by my office and will be forwarded to the Applicants attorney for preparation of a Roadway dedication.
9. Orange County Planning referral can now be made with the new revised Plans.
10. Driveway entrance location for Lot #2 and #3 has been combined and a Driveway Easement will be filed (see Note 8).

Thanking you in advance for your consideration on this matter and hopefully being placed on the next Planning Board agenda.

Very truly yours,

James A. Dillin, PLS

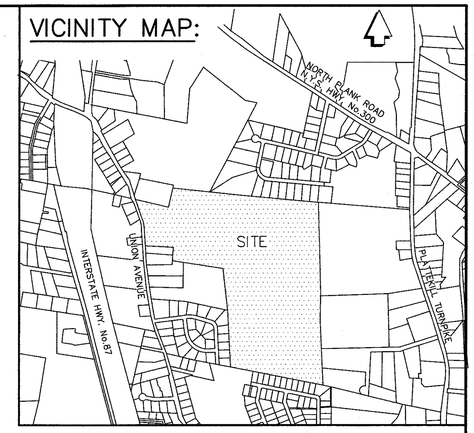
JAD/td
cc: Harry Serviss



LOT #4
AREA=96.0± ACRES
REMAINING LANDS
NOT FOR RESIDENTIAL PURPOSES AT THIS TIME

PARENT PARCEL

VICINITY MAP:



ZONE: R-2 DISTRICT

C. SINGLE FAMILY WITH PUBLIC WATER

	REQUIRED	SUPPLIED LOT 1	LOT 2	LOT 3
MINIMUM LOT AREA	17,500 SQ.FT.	231110.20 SQ.FT.	23111.55 SQ.FT.	46820.50 SQ.FT.
MINIMUM LOT WIDTH	100 FT.	128.3 FT.	128.3 FT.	150.0 FT.
MINIMUM LOT DEPTH	125 FT.	180.7 FT.	180.7 FT.	281.8 FT.
MINIMUM FRONT YARD	40 FT.	70.5 FT.	73.6 FT.	151.8 FT.
MINIMUM SIDE YARD	15 FT.	17.0 FT.	17.0 FT.	44.8 FT.
MINIMUM BOTH SIDE YARD	30 FT.	67.8 FT.	67.8 FT.	89.9 FT.
MINIMUM REAR YARD	40 FT.	74.0 FT.	70.9 FT.	63.4 FT.
MAXIMUM PERCENT BUILDING COVERAGE	15 %	< 15%	< 15%	< 15%
MAXIMUM LOT SURFACE COVERAGE	30 %	< 30%	< 30%	< 30%

OWNER & APPLICANT:

HARRY SERVISS
1298 UNION AVE.
NEWBURGH N.Y. 12550

NOTES:

1. TAX MAP DESIGNATION: SECTION 34 BLOCK 1 LOT 25.2
2. WATER SUPPLY: PUBLIC WATER
3. SEWAGE DISPOSAL: PRIVATE SUBSURFACE
4. WETLANDS FLAGGED BY PETER D. TORGERSEN ENVIRONMENTAL SCIENCES, ON JULY 2, 2018 AND FIELD LOCATED BY JAMES A. DILLIN, PLS ON JULY 30, 2018.
5. LANDS GRATUITOUSLY TO BE CONVEYED TO THE TOWN OF NEWBURGH FOR HIGHWAY PURPOSED. (AREA=0.391 ACRES)
6. SITE PLANS FOR EACH LOT SHALL BE SUBMITTED WITH BUILDING PERMIT APPLICATIONS. DWELLING, SEPTIC SYSTEM AND WELL SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION.
7. WETLAND AREA OF 2782 SQ.FT. TO BE FILLED. WETLANDS ENGINEER WILL FILE WITH THE U.S. ARMY CORPS OF ENGINEERS FOR A FILLING PERMIT.
8. 25' WIDE COMMON DRIVEWAY EASEMENT TO BE FILED SIMULTANEOUSLY WITH SUBDIVISION FOR USE AND MAINTENANCE.

AGRICULTURAL NOTE

(Required to be placed on all plans where property lies within 500 feet of land in active agricultural production or operation)

Property adjacent to lots (1) is in active agricultural operation and production and residents must be aware that such property is protected by New York State "Right to Farm Laws" as regulated by the Department of Agriculture and Markets. From time to time during and prior to the normal growing season land and crops may be sprayed from the ground or by air, manure may be applied, and practices may involve machinery operation at various times throughout the day. Residents should be aware of this action by the adjacent property owners.

(1) Specific lots adjacent to the active farming area which are impacted shall be inserted in this space

RECORD OWNER'S CONSENT NOTE:

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THIS PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE IF SO REQUIRED.

RECORD OWNER'S SIGNATURE

HARRY SERVISS
1298 UNION AVE.
NEWBURGH N.Y. 12550

TOWN OF NEWBURGH
PROJECT #2019-10

SUBDIVISION OF PROPERTY
FOR
SERVISS

TOWN OF NEWBURGH
SCALE: 1"=50'

ORANGE COUNTY,N.Y.
AREA= 98.0± ACRES

APRIL 1, 2019
REVISED: MAY 17, 2019

GRAPHIC SCALE

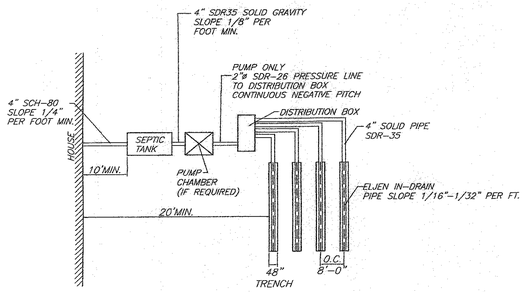
50 0 25 50 100 200

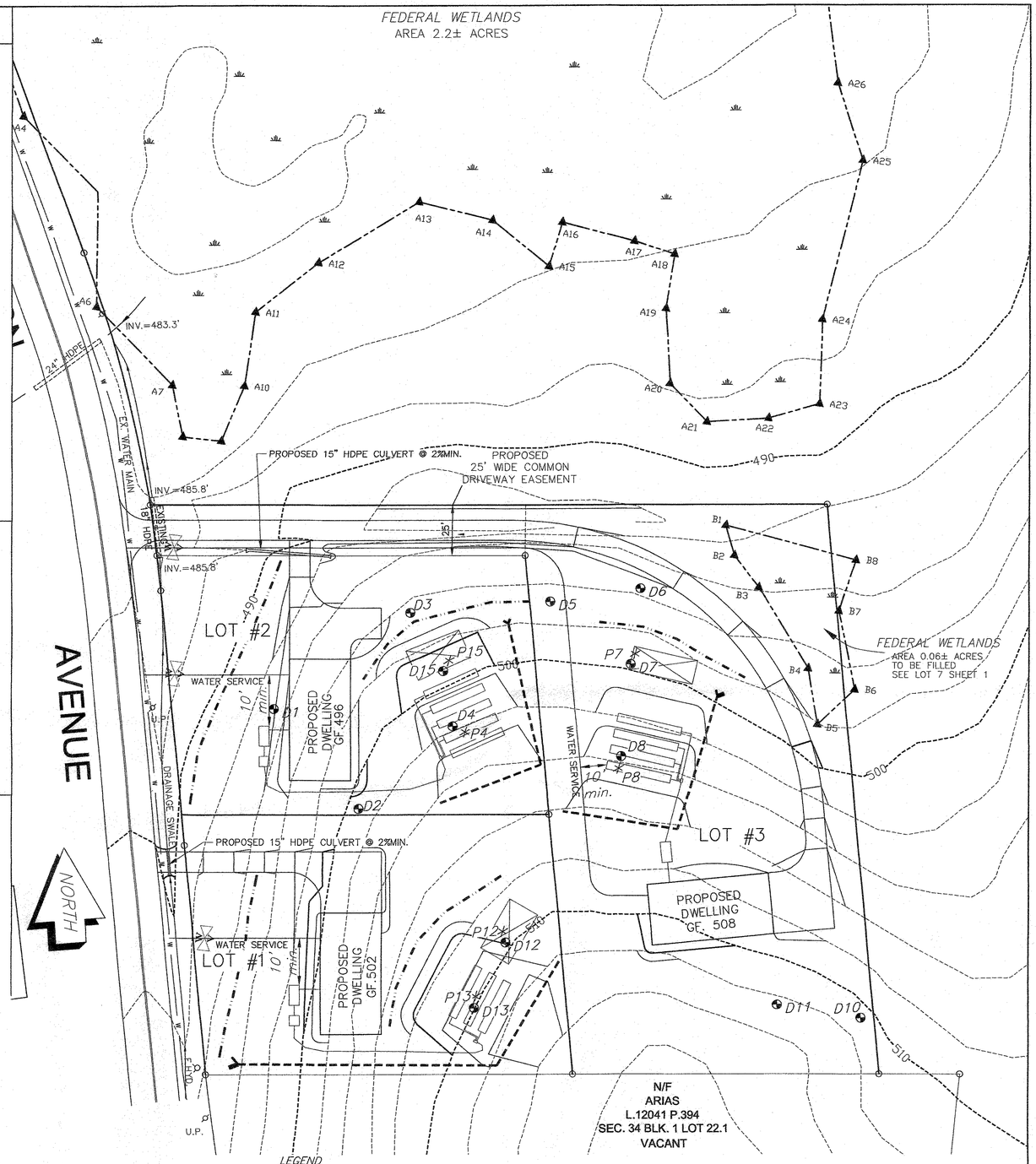
(IN FEET)
1 inch = 50 ft.

I HEREBY CERTIFY THAT LOTS 1, 2 & 3 ARE FROM AN ACTUAL FIELD SURVEY COMPLETED ON FEBRUARY 29, 2019.

STATE OF NEW YORK
JAMES A. DILLIN
LIC. NO. 49087
LAND SURVEYOR

LIC.49087
JAMES A. DILLIN, PLS
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK

LOT #	LOT 1	LOT 2	LOT 3
DEEP TEST DATA:	◆ D12 56" DEEP 05/07/19 0–5" TOP SOIL 5"–56" CLAY LOAM NO ROCK, NO WATER , MOTTLING @ 48" ◆ D13 53" DEEP 05/07/19 0–6" TOP SOIL 5"–53" CLAY LOAM NO ROCK, NO WATER , MOTTLING @ 32"	◆ D1 60" DEEP 10/10/18 0–4" TOP SOIL 4"–60" CLAY LOAM w/GRAVEL MOTTLING @ 30, SEEPAGE @20", NO ROCK ◆ D2 48" DEEP 10/10/18 0–4" TOP SOIL 4"–48" CLAY LOAM w/GRAVEL MOTTLING @ 28, SEEPAGE @28", NO ROCK ◆ D4 48" DEEP 10/10/18 0–7" TOP SOIL 7"–48" CLAY LOAM w/GRAVEL MOTTLING @ 30, SEEPAGE @30", NO ROCK ◆ D15 50" DEEP 05/07/19 0–7" TOP SOIL 7"–50" CLAY LOAM w/GRAVEL MOTTLING @ 30, SEEPAGE @30", NO ROCK	◆ D3 48" DEEP 10/10/18 0–7" TOP SOIL 7"–48" CLAY LOAM w/GRAVEL MOTTLING @ 27, SEEPAGE @27", NO ROCK ◆ D5 48" DEEP 10/10/18 0–5" TOP SOIL 5"–32" CLAY LOAM w/GRAVEL MOTTLING @ 32, SEEPAGE @32", NO ROCK ◆ D6 48" DEEP 10/10/18 0–6" TOP SOIL 6"–48" CLAY LOAM MOTTLING @ 25, SEEPAGE @25", NO ROCK ◆ D7 51" DEEP 10/10/18 0–5" TOP SOIL 5"–48" SILTY CLAY LOAM MOTTLING @ 48", SEEPAGE @48", NO ROCK ◆ D8 51" DEEP 10/10/18 0–5" TOP SOIL 5"–48" SILTY CLAY LOAM MOTTLING @ 48", SEEPAGE @48", NO ROCK ◆ D9 WATER 10/10/18 ◆ D10 48" DEEP 10/10/18 0–5" TOP SOIL 5"–48" CLAY LOAM MOTTLING @ 39", SEEPAGE @39", NO ROCK ◆ D11 48" DEEP 10/10/18 0–5" TOP SOIL 5"–48" CLAY LOAM MOTTLING @ 39", SEEPAGE @39", NO ROCK
PERCOLATION DATA:	* P12 12" DEEP 05/07/19 1 2 3 FINISH 11:40 11:50 12:03 START 11:33 11:41 11:53 TIME :07 :09 :09 STABILIZED PERCOLATION RATE: 09 MINUTES /INCH * P13 12" DEEP 05/07/19 1 2 3 FINISH 11:59 12:03 12:07 START 11:56 12:00 12:04 TIME :03 :03 :03 STABILIZED PERCOLATION RATE: 03 MINUTES /INCH	* P4 12" DEEP 10/10/18 1 2 3 4 5 6 7 FINISH 12:59 1:12 1:26 2:20 2:41 3:04 3:30 START 12:48 1:00 1:12 1:58 2:21 2:42 3:08 TIME :11 :12 :14 :18 :20 :22 :22 STABILIZED PERCOLATION RATE: 22 MINUTES /INCH * P15 12" DEEP 05/07/19 1 2 3 4 5 FINISH 11:15 11:23 11:32 11:44 11:55 START 11:10 11:16 11:24 11:34 11:45 TIME :05 :07 :08 :10 :10 STABILIZED PERCOLATION RATE: 10MINUTES /INCH	* P7 12" DEEP 10/10/18 1 2 3 FINISH 12:42 12:46 12:50 START 12:39 12:43 12:47 TIME :03 :03 :03 STABILIZED PERCOLATION RATE: 03 MINUTES /INCH * P8 12" DEEP 06/15/16 1 2 3 3 FINISH 1:04 11:30 1:57 2:43 START 12:54 1:05 1:30 2:16 TIME :10 :25 :27 :27 STABILIZED PERCOLATION RATE: 27 MINUTES /INCH
TYPICAL FIELD LAYOUT: (SEE DESIGN CRITERIA & GRADING PLAN)	 SEWAGE DISPOSAL SYSTEMS MUST BE CONSTRUCTED USING THE "ELJEN B43 GSF TRENCH" AS MANUFACTURED BY ELJEN SYSTEMS. SEE ELJEN SYSTEMS NOTES AND DETAILS ON SHEET 3	
SEPTIC DESIGN CRITERIA:	1. NO. OF BEDROOMS– 4max 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 08–10 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 3 ROWS OF 7 ELJEN UNITS(28'ROWs) = 21 units total(21units REQ'D) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED	1. NO. OF BEDROOMS– 4 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 21–30 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 5 ROWS OF 7 ELJEN UNITS(28'ROWs) = 35 units total (31units REQ'D) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED	1. NO. OF BEDROOMS– 4 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 21–30 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 4 ROWS OF 8 ELJEN UNITS(32'ROWs) = 32 units total (31units REQ'D) * 6. SHALLOW FILL SYSTEM 7. CURTAIN DRAIN REQUIRED



LEGEND

TANK
PUMP CHAMBER
CURTAIN DRAIN
DISTRIBUTION BOX
LATERALS
EXPANSION AREA
*P# PERCOLATION TEST
◆D# DEEP TEST
SILT FENCE
EXISTING CONTOURS (2')
EXISTING CONTOURS (10')
CONTOURS PROPOSED (2')
CONTOURS PROPOSED (10')
PROPOSED WATER VALVE
FIRE HYDRANT
UTILITY POLE

REVISIONS

REV.:	DATE:	BY:	DESCRIPTION:

TOWN OF NEWBURGH PROJECT # 19–10
THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

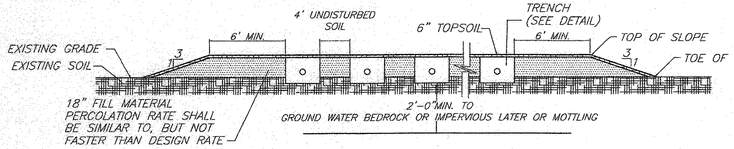
ENGINEER

CHARLES T. BROWN, P.E.

TALCOTT ENGINEERING DESIGN PLLC
1 GARDNERTOWN ROAD
NEWBURGH, NY 12550
(845)–569–9400
(FAX)(845)–569–4583
TALCOTTDESIGN12@GMAIL.COM

SUBDIVISION OF PROPERTY FOR
SERVISS
UNION AVENUE, SBL:34–1–25.2
TOWN OF NEWBURG, ORANGE COUNTY NY

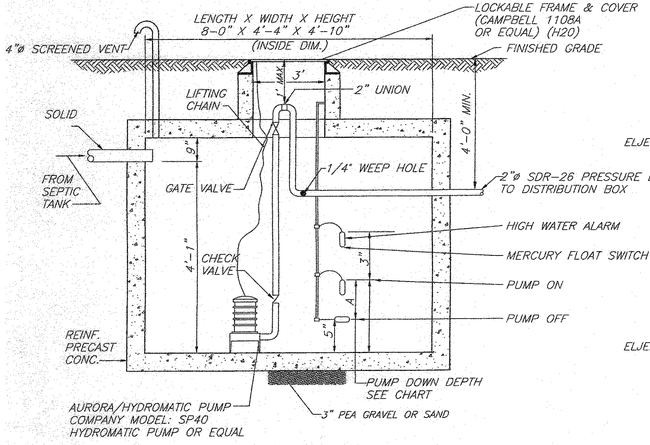
DATE	SCALE	JOB NUMBER	SHEET NUMBER
05/17/18	1"=30'	18288–HSS	2 OF 4



SHALLOW SYSTEM DETAIL

N.T.S.

NOTES:
1. BOTTOM OF ALL TRENCHES SHALL NOT BE ABOVE ORIGINAL USABLE SOIL
2. MAXIMUM DEPTH OF USABLE FILL PLUS 6" OF TOPSOIL SHALL NOT EXCEED 30".
3. MAXIMUM COVER OVER TRENCH AGGREGATE SHALL NOT EXCEED 12".



PUMP CHAMBER

N.T.S.

LOT 1 PUMP CHAMBER DATA

PUMP DOWN DEPTH: 3 1/4"(A)
STORAGE CALC.: 21.61 GALS/IN
STORAGE DEPTH: 3' 1 3/4"
DOSE QTY (GALS.): 70.23 GALS.
STORAGE QTY (GALS.): 815.78 GALS.
MAX. ELEV. DIFFERENTIAL: 30'

LOT 1 DOSING QUANTITY

FORCE MAIN: 106' X 0.163GAL/LF = 17.28 GAL.
ELJEN LAT 100% X 84LF X 0.653GAL/LF = 54.85 GAL.
72.13 GAL. TOTAL

LOT 2 PUMP CHAMBER DATA

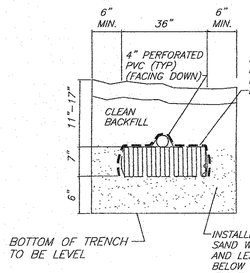
PUMP DOWN DEPTH: 5"(A)
STORAGE CALC.: 21.61 GALS/IN
STORAGE DEPTH: 3'-0"
DOSE QTY (GALS.): 108.05 GALS.
STORAGE QTY (GALS.): 777.96 GALS.
MAX. ELEV. DIFFERENTIAL: 30'

LOT 2 DOSING QUANTITY

FORCE MAIN: 107' X 0.163GAL/LF = 17.44 GAL.
ELJEN LAT 100% X 140LF X 0.653GAL/LF = 91.42 GAL.
108.86 GAL. TOTAL

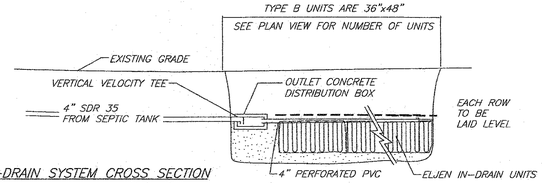
PUMP CHAMBER NOTES:

1. CONTRACTOR SHALL DETERMINE LENGTHS OF REQUIRED ELECTRICAL CABLE AND AVAILABLE VOLTAGE PRIOR TO ORDERING EQUIPMENT.
2. ALL WIRING SHALL CONFORM TO NATIONAL ELECTRICAL CODE & LOCAL CODE REQUIREMENTS.
3. THE POWER AND CONTROL WIRING SHALL BE MADE DIRECTLY TO THE CONTROL PANEL WITHOUT AND OUTSIDE SPLICES. CONTROL PANEL TO BE LOCATED INSIDE BASEMENT OF HOUSE AUDIBLE ALARMS AND FLASHING LIGHT.
4. A N.Y.S. PROFESSIONAL ENGINEER MUST CERTIFY TO THE CONSTRUCTION OF THE SYSTEM.
5. QUANTITY DOSED IS BASED UPON 3.5GAL/ELJEN UNIT AND 100% OF FORCE MAIN.
6. QUANTITY STORED IS BASED UPON (1) DAYS FLOW MINIMUM.
7. AS-BUILT MUST SHOW FORCE MAIN LOCATION.



ELJEN IN-DRAIN SYSTEM CROSS SECTION

N.T.S.

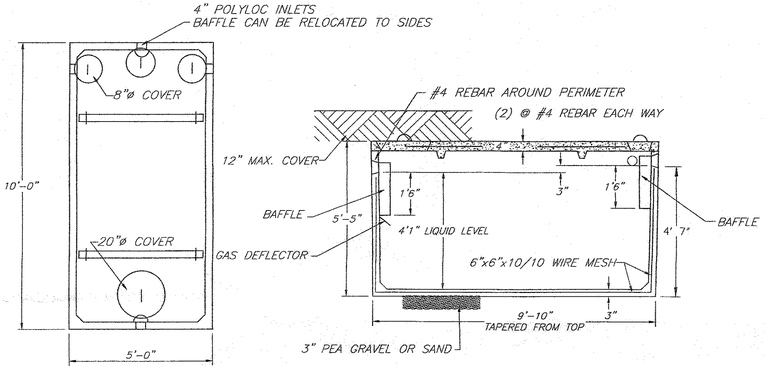


ELJEN IN-DRAIN SYSTEM

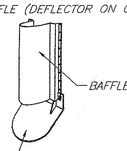
N.T.S.

ASTM C33 SAND SPECIFICATION

SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATIONS PERCENT PASSING (WET SIEVE)
0.375"	9.5mm	100.0-100.0
#4	4.75mm	95.0-100.0
#8	2.36mm	80.0-100.0
#16	1.18mm	50.0-85.0
#30	600um	25.0-60.0
#50	300um	5.0-30.0
#100	150um	<10.0
#200	75um	<5.0



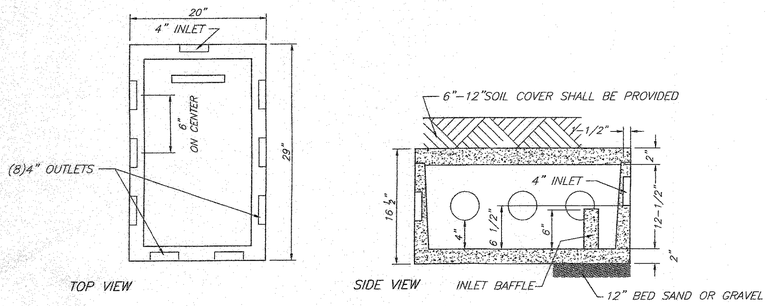
BAFFLE (DEFLECTOR ON OUTLET ONLY)



WOODARD'S 1250gal SEPTIC TANK OR EQUAL

N.T.S.

SPECIFICATIONS
CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS REINFORCEMENT- 6"x6"10GA. WWF, #4 REBAR AIR ENTRAPMENT- 5% CONSTRUCTION JOINT- BUTYL RUBBER - BASE CEMENT PIPE CONNECTION- POLYLOC SEAL (PATENTED) LOAD RATING- 300PSF WEIGHT = 9,500LBS



WOODARD'S PRECAST 8 OUTLET DISTRIBUTION BOX

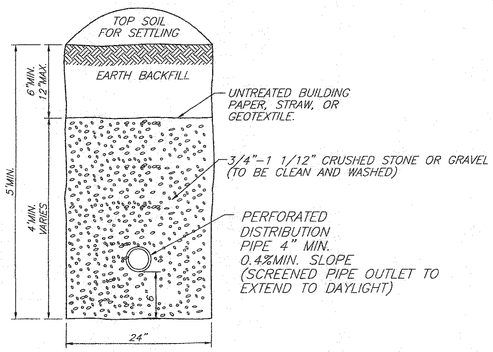
N.T.S.

SPECIFICATIONS
CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS REINFORCEMENT- FIBER AIR ENTRAPMENT- 5% PIPE CONNECTION: POLYLOK SEAL (PATENTED) LOAD RATING- 300 PSF WEIGHT= 290 lbs

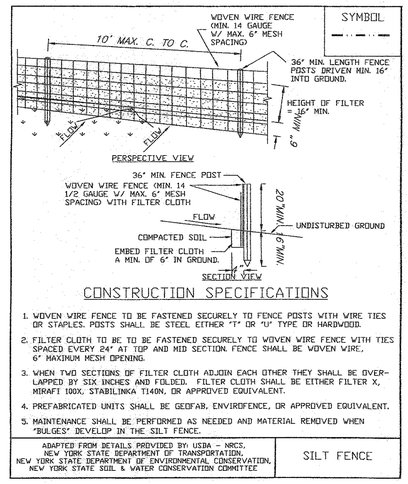
1. INSERT A SPEED LEVELER IN THE END OF ALL OUTLET PIPES IN THE DROPBOX.
2. ROTATE UNTIL EFFLUENT ENTERS ALL OUTLETS EQUALLY.

WOODARD'S SPEED LEVELER FSL-4

N.T.S.



CURTAIN DRAIN



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 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, STABILINKA 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.

ADAPTED FROM DETAILS PROVIDED BY USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

SEPTIC SYSTEM GENERAL NOTES:

1. ALL PORTIONS OF THE SEPTIC FIELD WILL BE A MINIMUM DISTANCE OF 200 FEET UP SLOPE AND 100 FEET DOWN SLOPE FROM ANY WELL.
2. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM ANY BUILDING OR PROPERTY LINE, AND 50' FROM WELL.
3. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN OR INTO THE VICINITY OF ABSORPTION FIELD.
4. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE CONSTRUCTED OVER ANY PORTION OF THE ABSORPTION FIELD.
5. NO TRENCHES TO BE INSTALLED IN WET SOIL.
6. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
7. GROUT ALL PIPE PENETRATIONS TO CONC. SEPTIC TANK & DISTRIBUTION BOX.
8. DISTRIBUTION LINES ARE TO BE CAPPED.
9. THE PERIMETER OF THE ABSORPTION FIELD SHOULD BE GRADED TO DIVERT SURFACE WATER.
10. ALL NEWLY DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED UPON CONSTRUCTION COMPLETION USING GRASS SEED & MULCH.
11. NO SEWAGE SYSTEM SHALL BE PLACED WITHIN 100' OF ANY WATER COURSE OR 35' DRAINAGE DITCH.
12. ALL LAUNDRY AND KITCHEN WASTES SHALL BE DISCHARGED INTO SEWAGE SYSTEM.
13. BENDS SHALL BE USED WHEN ENTRANCE OR EXIT FROM SEPTIC TANK IS NOT APPROXIMATELY STRAIGHT. IF BENDS ARE USED AT POINTS OTHER THAN ENTRANCE OR EXIT POINTS, THEN A CLEANOUT IS REQUIRED.
14. THE DESIGN AND LOCATION OF THE SANITARY FACILITIES SHALL NOT BE CHANGED WITHOUT RESUBMISSION FOR APPROVAL.
15. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION.
16. THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THESE.
17. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
18. THE PURCHASER OF THIS LOT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
19. THE DESIGN ENGINEER WILL BE REQUIRED TO CERTIFY THE COMPLETED DISPOSAL FACILITY.
20. AN ASBUILT SURVEY AND CERTIFICATION SHALL BE PROVIDED TO THE TOWN OF NEWBURGH CODE ENFORCEMENT DEPARTMENT PRIOR TO ISSUANCE OF A CERTIFICATION OF OCCUPANCY.

STANDARD NOTES:

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

"APPENDIX 75-A, WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE."
"WASTE TREATMENT HANDBOOK, INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE DEPARTMENT OF HEALTH."
"RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH."
"PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT, NEW YORK STATE DEPARTMENT OF HEALTH."

"THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.

ALL WELLS AND S.D.S. EXISTING OR APPROVED WITHIN 200' OF THE PROPOSED WELLS AND S.D.S. ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE S.D.S. AND WELL. IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE CERTIFYING ENGINEER THAT THE SEPTIC TANK IS SEALED, WATER TIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AS A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE.

ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.

TRENCH BOTTOMS TO BE SET LEVEL AND PARALLEL TO EXISTING CONTOURS.

MAXIMUM DEPTH OF USABLE FILL PLUS 6" OF TOPSOIL SHALL NOT EXCEED 30".

TOWN OF NEWBURGH PROJECT # 19-10
THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

REVISIONS			
REV.:	DATE:	BY:	DESCRIPTION:

ENGINEER

STATE OF NEW YORK CHARLES T. BROWN No. 065986 LICENSED PROFESSIONAL ENGINEER

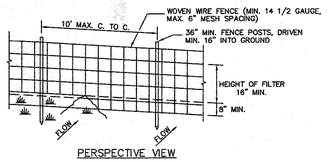
CHARLES T. BROWN, P.E.

TALCOTT ENGINEERING DESIGN PLLC
1 GARDNERTOWN ROAD
NEWBURGH, NY 12550
(845)-569-8400
(FAX)(845)-569-4583
TALCOTTDESIGN12@GMAIL.COM

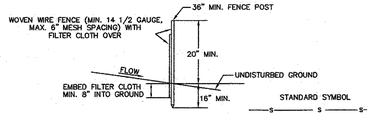
SUBDIVISION OF PROPERTY FOR
SERVISS
UNION AVENUE, SBL:34-1-25.2
TOWN OF NEWBURG, ORANGE COUNTY NY

DATE	SCALE	JOB NUMBER	SHEET NUMBER
05/17/18	NTS	18288-HSS	3 OF 4

SILT FENCE DETAILS



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

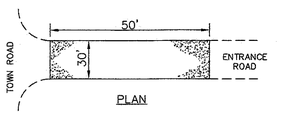
POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING

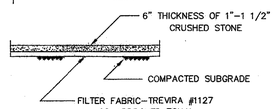
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

STABILIZED CONSTRUCTION ENTRANCE



PLAN



SECTION

NOTE: ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT OF WAYS

ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS. A CRUSHED STONE, VEHICLE WHEEL–CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 1"–1 1\2" CRUSHED STONE, WILL BE AT LEAST 30' X 50' AND SHOULD BE PLACED ON COMPACTED SUBGRADE AND SHALL BE MAINTAINED.

ALL DRIVEWAYS MUST BE STABILIZED WITH 1"–1 1\2" CRUSHED STONE OR SUB–BASE PRIOR TO INDIVIDUAL HOME CONSTRUCTION.

PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSH STONE OR HAYBALE FILTER (FILTER DETAILS APPEAR ON PLAN).

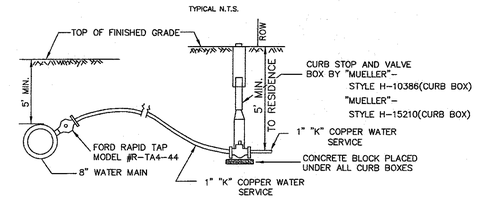
ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE DETAILED ON THE PLAN.

TOWN OF NEWBURGH WATER SYSTEM NOTES:

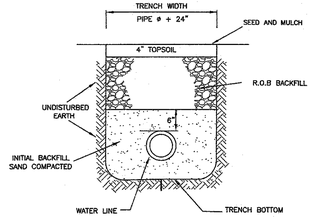
1. CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH WATER DEPARTMENT. ALL REQUIREMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE TOWN OF NEWBURGH.
2. ALL WATER SERVICE LINES (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED. CLASS 52, DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-91 OR LATER REVISION FOR DUCTILE IRON PIPE JOINTS SHALL BE EITHER PUSH-ON OR MECHANICAL JOINT AS REQUIRED.
3. THRUST RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF JOINT RESTRAINT. THRUST BLOCKS ARE NOT ACCEPTABLE. JOINT RESTRAINT SHALL BE THROUGH THE USE OF MECHANICAL JOINT PIPE WITH RETAINER GLANDS. ALL FITTINGS AND VALVES SHALL ALSO BE INSTALLED WITH RETAINER GLANDS FOR JOINT RESTRAINT. RETAINER GLANDS SHALL BE EBBA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL. THE USE OF MANUFACTURED RESTRAINED JOINT PIPE IS ACCEPTABLE WITH PRIOR APPROVAL OF THE WATER DEPARTMENT.
4. ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICL JOINT, CLASS 250 AND CONFORM TO ANSI/AWWA C110/A21.10-87 OR LATEST REVISION FOR DUCTILE AND GRAY IRON FITTINGS FOR ANSI/AWA C153/A21.53-94 FOR LATEST REVISION FOR DUCTILE IRON COMPACT FITTINGS.
5. ALL VALVES SHALL BE RESILIENT WEDGE, MECHANICAL JOINT GATE VALVES CONFORMING TO ANSI/AWWA C509 OR LATEST REVISION SUCH AS MUELLER A-2360-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTER CLOCKWISE).
6. TAPPING SLEEVE SHALL BE MECHANICAL JOINT SUCH AS MUELLER H-615 OR EQUAL. TAPPING VALVE SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSI/AWWA C509 SUCH AS MUELLER MODEL T-2360-19 OR APPROVED EQUAL. ALL TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150PSI MINIMUM; TESTING OF THE TAPPING SLEEVE AND VALVE MUST BE WITNESSED AND ACCEPTED BY THE TOWN OF NEWBURGH WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.
7. ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION STOPS SHAL BE MUELLER H-105020 FOR _ AND 1 INCH, MUELLER H-15000 OR B-25000 FOR 1 < OR 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-10312 FOR _ AND 1 INCH AND MUELLER H-10310 FOR 1 < AND 2 INCH SIZES.
8. ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT.
9. THE WATER MAIN SHALL BE TESTED, DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING, DISINFECTION AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT. PRIOR TO PUTTING THE WATER MAIN IN SERVICE, SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF NEWBURGH WATER DEPARTMENT. THE TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.

TYPICAL WATER SERVICE DETAIL



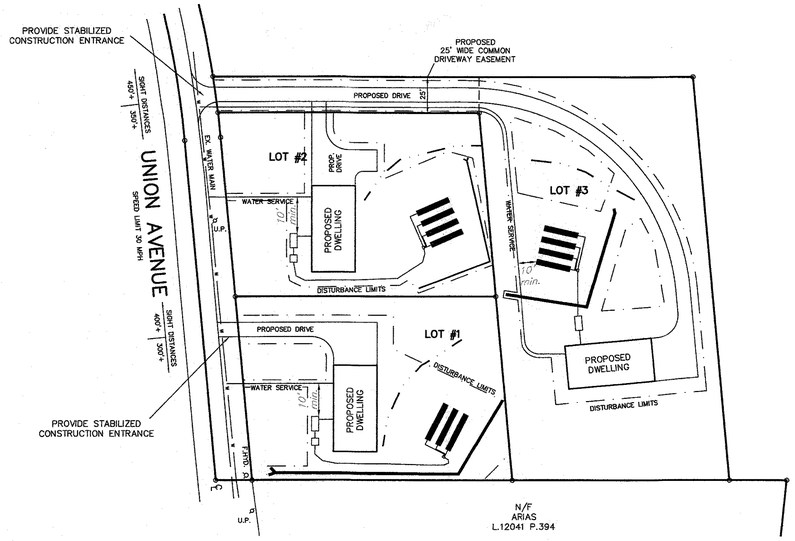
TYPICAL WATER LINE TRENCH

NOT TO SCALE



BACKFILL SHALL BE RUN–OF–BANK GRAVEL COMPACTED IN 6" LIFTS.

LOT #4



LOT #4

DETAIL SHEET
FOR
SERVISS

TOWN OF NEWBURGH
SCALE: 1"=50'

ORANGE COUNTY, N.Y.
MAY 17, 2019

TOWN OF NEWBURGH
PROJECT #2019–10

LIC.49087
JAMES A. DILLIN, PLS
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK