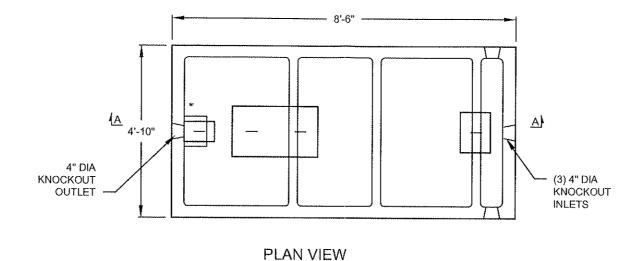
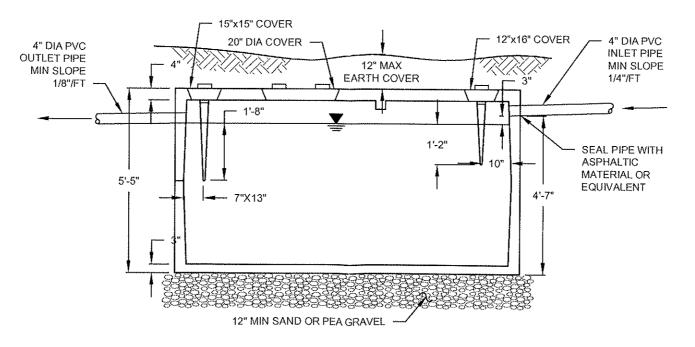


NOTES:

SILT FENCE TO BE MAINTAINED IN
 PLACE DURING CONSTRUCTION AND
 SOIL STABILIZATION PERIOD.

# SILT FENCE SCALE: NTS





SECTION A-A

No.	DATE	DESCRIPTION
- 1		i

NOTES:

## PERCOLATION TEST RESULTS

TEST HOLE#	TEST HOLE DEPTH	TEST HOLE DIA	TIME	PERCOLATION TEST RUNS (TIME FOR 1" DROP IN WATER LEVEL - STOPWATCH USED)					STABLE RATE						
			FINISH	00:04:24	00:05:28	00:06:23	00:06:33								
11/05/12	18"	10"	START	00:00:00	00:00:00	00:00:00	00:00:00			7 MIN					
P11   '°								TIME	00:04:24	00:05:28	00:06:23	00:06:33			
			FINISH	00:17:30	00:20:01	00:20:55									
11/05/12 P12 18"	18"	18" 10"	START	00:00:00	00:00:00	00:00:00				21 MIN					
	TIME	TIME	00:17:30	00:20:01	00:20:55										

### **DEEP SOILS TEST RESULTS**

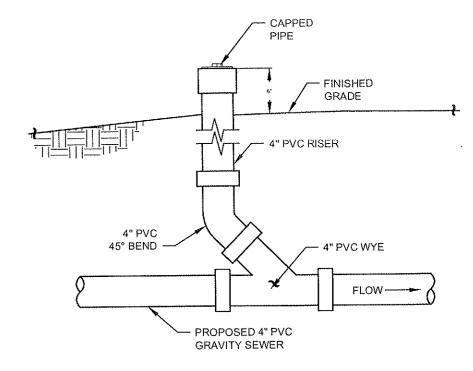
### TEST PITS CONDUCTED ON 11/27/12

TEST HOLE#	DATE	DEPTH	DESCRIPTION
TP-1	11/27/12	0"-8" 8"-7 <i>2</i> "	TOP SOIL LIGHT GRAY CLAY SANDY SILTY LOAM W/COBBLE GROUNDWATER @ 6', MOTTLING @ 5', NO BEDROCK
TP-2	11/27/12	00"-24" 24"-78"	TOP SOIL TAN SANDY CLAY LOAM W/ COBBLE GROUNDWATER @ 6', NO MOTTLING, NO BEDROCK

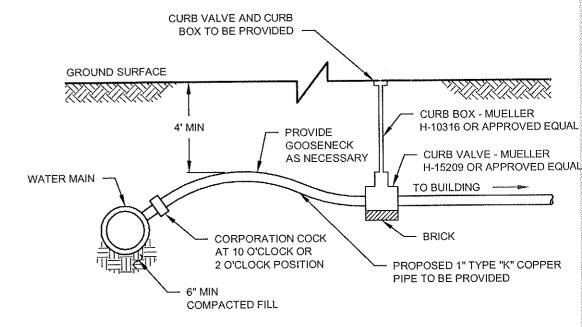
## ELJEN SYSTEM DESIGN SCHEDULE

STABILIZE PERC RATE (min)	PROPOSED BEDROOMS	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED ABSORPTION FIELD LENGTH (ft)	PROPOSED ABSORPTION FIELD LENGTH (ft)
21	3	330 *	0.60	550	92	4 @ 24 = 96

\*NOTE: 440 GPD = 110 GPD / BEDROOM



# TYPICAL CLEANOUT SCALE: 1"=1'-0"

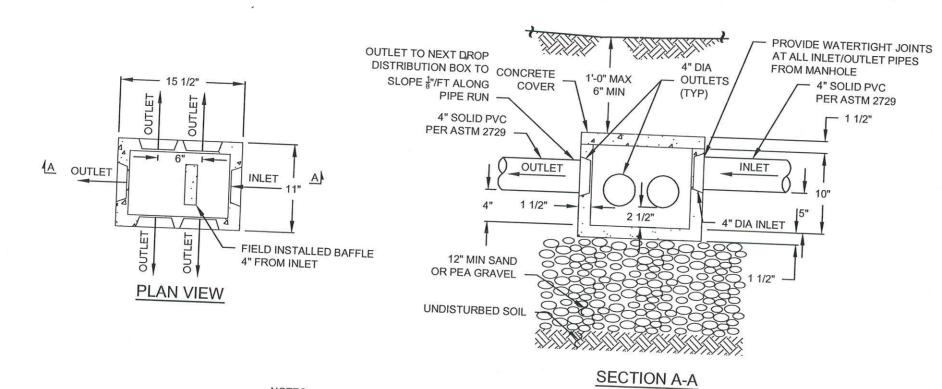


## WATER SERVICE CONNECTION

SCALE: NTS

- 2. CONCRETE 4,000 PSI AT 28 DAYS
- 3. REINFORCEMENT 6" x 6" x 10 GA WIRE MESH
- 4. SECTIONS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT

## 1000 GAL SEPTIC TANK



**CLEAN BACKFILL** 

RFORATED PIPE

EO-TEXTILE

LJEN MODULE

CONCRETE SAND

NOTES:

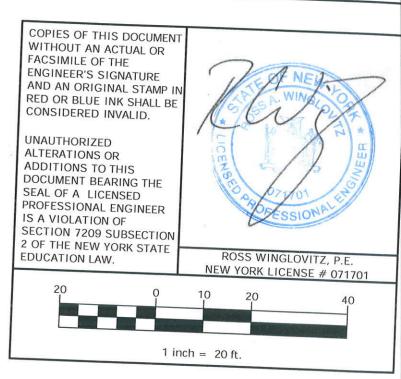
- 1. DROP BOX AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. CATALOG No. DB-6DB OR APPROVED EQUAL
- 2. MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
- 3. CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION
- 4. SEAL ALL JOINTS AT INLET/OUTLET PIPES ASPHALTIC MATERIAL OR EQUIVALENT
- 5. PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS
- 6. UNUSED OUTLETS TO REMAIN PLUGGED

# 6 HOLE DROP DISTRIBUTION BOX

DRAWING STATUS		ISSUE DATE:			
THE CHEST	1	2/03	3/12		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER				
☑ CONCEPT APPROVAL	2	OF	2		
PLANNING BOARD APPROVAL	N/A	OF	N/A		
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A		
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A		
□ NYSDEC APPROVAL	N/A	OF	N/A		
NYSDOT APPROVAL	N/A	OF			
OTHER			N/A		
☐FOR BID	N/A	OF	N/A		
	N/A	OF	N/A		
FOR CONSTRUCTION	N/A	OF	N/A		
THIS PLAN SET HAS BEEN ISSUED SPECIFICALL	Y FOR T	HE			

APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS

ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S)





SCALE:

71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899

**DETAILS** 

JOHN K. JOHN LAURIE LANE TOWN OF NEWBURGH ORANGE COUNTY, NÉW YORK DRAWN BY:

JOB #: 1027.01

DATE:

MAL

MOITS

#### ABSORPTION FIELD NOTES:

- SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE HOUSE.
- THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
- GARBAGE GRINDERS JACUZZI TYPE SPA TUBS OVER 100 GALLONS ARE NOT PERMITTED WITHOUT THE SYSTEM BEING REDESIGNED AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
- 4. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN THE VICINITY OF THE TILE FIELDS OR WELLS.
- 5. SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL ARE NOT TO BE CONSTRUCTED OVER TILE FIELDS.
- ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK, AND ALL PIPES AND COVERS.
- 7. NO TRENCHES TO BE INSTALLED IN WET SOIL.
- 8. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
- GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
- 10. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "INDIVIDUAL RESIDENTIAL WASTEWATER TREATMENT SYSTEMS, DESIGN HANDBOOK", LATEST EDITION, AND APPENDIX 75-A OF THE NEW YORK STATE DEPARTMENT OF HEALTH.
- 11. ABSORPTION TRENCH PIPE TO BE CAPPED AT END.
- 12. ABSORPTION SYSTEM TO BE LOCATED A MINIMUM DISTANCE OF 20 FEET FROM ANY DWELLING UNIT.
- 13. SEPTIC TANK JOINTS MUST BE SEALED AND TESTED FOR WATERTIGHTNESS.
- 14. PROVIDE 30" OF SOLID PIPE PRIOR TO START OF ELJEN SYSTEM AND BACKFILL WITH NATIVE MATERIAL.
- 15. HEAVY EQUIPMENT SHLL 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. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO TO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON SHICH THE DESIGN WAS BASED.

#### CONCRETE SAND SPEC

SIEVE SIZE 3/8" No. 4 No. 8 No. 16 No. 30 No. 50 No. 100	PERCENT PASSING 100% 95%-100% 80%-100% 50%-85% 25%-60% 5%-30% 0-10%	CAST IRON SEWER PIPE FROM DWELLING @ 2.0% MIN  PRECAST SEPTIC TANK AS MFD BY WOODARD'S CONCRETE PRODUCTS, INC
No. 200	0-5%	DISTRIBUTION BOX WITH ADJUSTABLE OUTLET LEVELERS AND INLET BAFFLES
		ELJEN IN-DRAINS — 4" DIA. SDR 35 PERF. PIPE
®		4' MIN UNDISTURBED SOIL BETWEEN TRENCH SIDEWALLS  ALL END LINES CAPPED  ALL END LINES CAPPED
		6" — 100' MAX LENGTH PERF. FIFE & IN-DICAIN ONTS  4" DIA. OBSERVATION PORT  6" — 6"  100' MAX LENGTH PERF. FIFE & IN-DICAIN ONTS  4" DIA. OBSERVATION PORT  6"
		<u>PLAN VIEW</u>

TIGHT CLAY SOIL,

HARDPAN, ROCK OR GROUNDWATER.

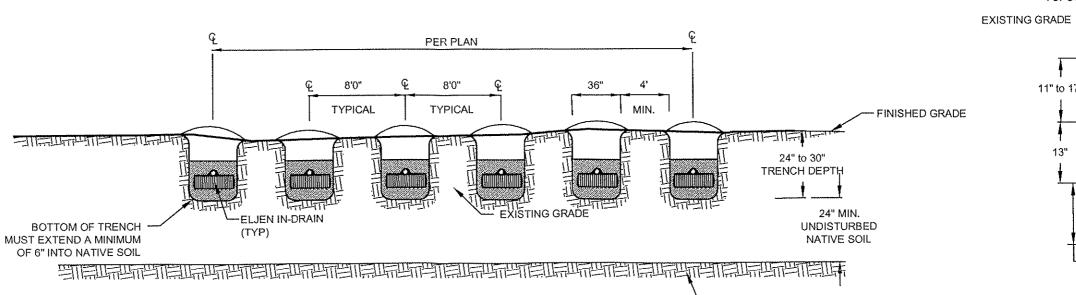
**ELJEN IN-DRAIN SYSTEM** 

MOUND TOPSOIL

FOR SETTLING

11" to 17"

TOPSOIL

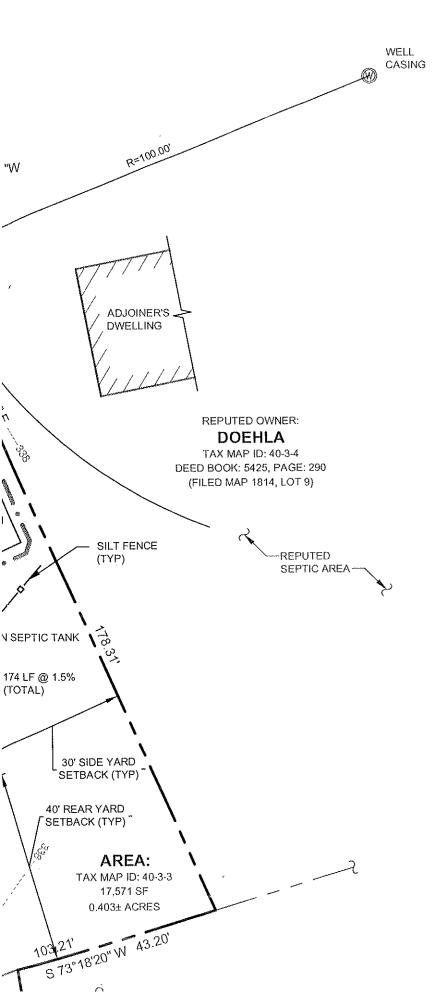


TYPICAL ELJEN TRN

- 2' MIN TO BEDROCK

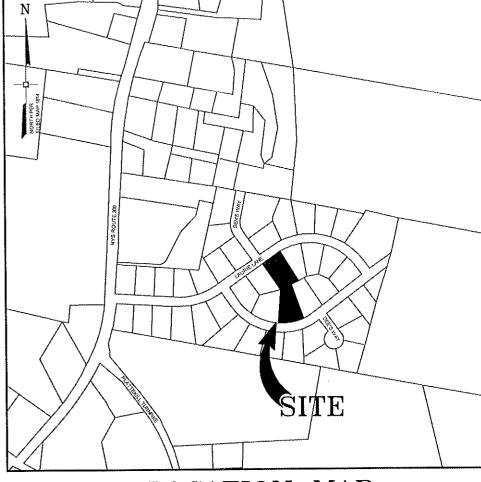
OR GROUNDWATER

A-A - TILE FIELD SHALLOW ABSORPTION TRENCH WITH ELJEN SYSTEM



### **GENERAL NOTES:**

- 1. TOTAL AREA OF SUBJECT PARCEL: 0.804± ACRES
- 2. TAX MAP IDENTIFICATION NUMBER: SECTION 40, BLOCK 3, LOT(S) 3, 10
- 3. DEED REFERENCE: DEED LIBER 2221, PAGE 370
- 4. MAP REFERENCES:
- A. A MAP ENTITLED, "PLAN OF SUBDIVISION FOR COUNTRY ESTATES " DATED MARCH 18, 1959 AND FILED IN THE OFFICE OF THE ORANGE COUNTY CLERK ON JULY 14, 1959 AS MAP NUMBER 1814.
- 5. TOPOGRAPHIC DATUM BASED ON U.S.G.S. NGVD 1929 (APPROXIMATE)
- THIS SURVEY IS SUBJECT TO THE FINDINGS OF AN UP TO DATE ABSTRACT OF TITLE.
- 7. SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENSES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS OF RECORD.
- 8. OFFSETS OR DIMENSIONS FROM THE PROPERTY LINES TO STRUCTURES OR IMPROVEMENTS ARE SHOWN FOR THE SPECIFIC PURPOSE OF INTERPRETATION OF COMPLIANCE WITH ZONING AND ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES OR ANY OTHER IMPROVEMENTS TO THE LAND.
- 9. CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LANDS SURVEYORS, INC. THE CERTIFICATION IS LIMITED TO THE PERSONS FOR WHOM THE BOUNDARY SURVEY MAP IS PREPARED, TO THE TITLE COMPANY, TO THE GOVERNMENTAL AGENCY, AND TO THE LENDING INSTITUTION LISTED ON THIS BOUNDARY SURVEY MAP.
- 10. CERTIFICATIONS HEREON ARE NOT TRANSFERABLE.
- 11. ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERENCING THIS SURVEY WITHOUT THE BENEFIT OF AN UPDATE OF THIS SURVEY BY ENGINEERING & SURVEYING PROPERTIES, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREON.
- 12. UNAUTHORIZED COPIES MAY CONTAIN FRAUDULENT, INCORRECT, ERRONEOUS, OR MISLEADING INFORMATION OR OMIT IMPORTANT AND RELEVANT INFORMATION. DO NOT RELY ON UNAUTHORIZED COPIES. THE SEAL, SIGNATURE, AND CERTIFICATION ARE HEREBY REVOKED OR OTHERWISE VOID ON ALL UNAUTHORIZED COPIES. ALL ORIGINAL DOCUMENTS BEAR AN ORIGINAL IMPRESSION AND INK SIGNATURE.
- 13. ALL UNDERGROUND UTILITIES AND/OR IMPROVEMENTS OR THE ENCROACHMENT OF SUCH IMPROVEMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF THE ENCROACHMENT OF SUCH UNDERGROUND IMPROVEMENTS EXIST OR ARE SHOWN HEREON, THE ENCROACHMENTS OF SUCH UNDERGROUND UTILITIES AND/OR IMPROVEMENTS ARE NOT COVERED BY THIS CERTIFICATE.



LOCATION MAP

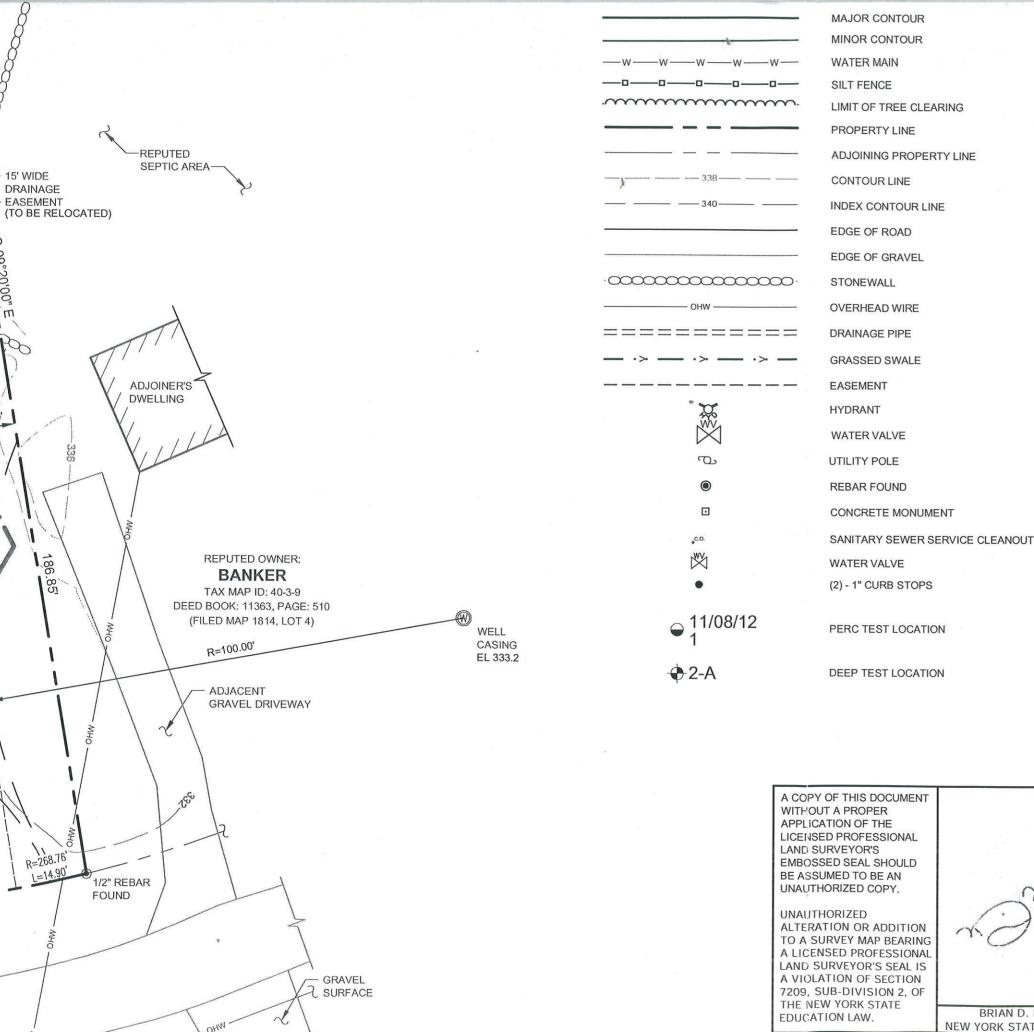
SCALE: 1"=500'

No.	DATE	DESCRIPTION
<u> </u>		
l		

## **LEGEND**

EDGE OF CURBED ROADWAY
EDGE OF DRIVEWAY
BUILDING

SETBACK LINE



DRAWING STATUS	12/03/12		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER		
CONCEPT APPROVAL	1	OF	2
PLANNING BOARD APPROVAL	N/A	OF	N/A
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
NYSDEC APPROVAL	N/A	OF	N/A
NYSDOT APPROVAL	N/A	OF	N/A
OTHER	N/A	OF	N/A
☐ FOR BID	N/A	OF	N/A
FOR CONSTRUCTION	N/A	OF	N/A

THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS

ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S)

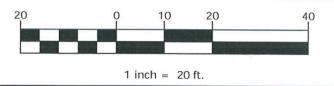
COPIES OF THIS DOCUMENT

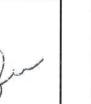
WITHOUT AN ACTUAL OR FACSIMILE OF THE ENGINEER'S SIGNATURE AND AN ORIGINAL STAMP IN RED OR BLUE INK SHALL BE CONSIDERED INVALID.

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NEW YORK LICENSE # 071701





NGINEERING & SURVEYING Achieving Successful Results with Innovative Designs

71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899

COUNTRY ESTATES SUBDIVISION AMENDED SUBDIVISION PLAN LOT #3 & #10

JOHN K. JOHN LAURIE LANE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK

JOB #:

DRAWN BY:

MAL

ENGINEERING

1027.01

BRIAN D. BABCOCK, L.S. NEW YORK STATE LICENSE # 050830

- LOT LINE TO BE DELETED AREA: TAX MAP ID: 40-3-10 WELL CASING 0.401± ACRES 50' SIDE YARD PROPOSED GRASSED SWALE REPUTED OWNER: SQUARCI TAX MAP ID: 40-3-11 DEED BOOK: 13026, PAGE: 1551 172 (FILED MAP 1814, LOT 2) PROPOSED 15' DRAINAGE EASEMENT -REPUTED SEPTIC AREA-4 LINES OF 6 ELJEN MODULES / (96 LF TOTAL) ADJOINER'S DWELLING 15°32'10" E 50% EXPANSIO 50,00 30' SIDE YARD SETBACK (TYP) SUMP 50' FRONT YARD SETBACK (TYP) 3/4" REBAR FOUND 0.6'± NE OF COR ⊖ 08/13/12 PT-4 O8/13/12 PT-3 1/2" REBAR FOUND R=268.76 I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW; LIZY JOHN; THAT THIS SURVEY MAP IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT IT IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF, BASED ON DATA CONTAINED IN DEEDS LAURIE LANE OR MAPS OF RECORD LISTED HEREON, TOGETHER WITH EVIDENCE FOUND IN THE FIELD, AND THAT THERE ARE NO SURFACE (GRAVEL SURFACE) ENCROACHMENTS EXCEPT AS OTHERWISE SHOWN HEREON, AS COMPLETED ON (LAST FIELD DATE).