



GENERAL NOTES

- [illegible]

<u>DRAWING #</u>	<u>TITLE</u>	<u>SHEET #</u>
C-100	OVERALL SUBDIVISION PLAN	1
C-101	SUBDIVISION PLAN	2
C-102	EROSION CONTROL PLAN	3
C-201	DETAILS	4
C-301	DETAILS	5
C-302	DETAILS	6

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND ITS LEGENDES 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 ULSTER, IF SO REQUIRED.

RECORD OWNER'S SIGNATURE

DOUGLAS SMITH
PO BOX 452
MARLBORO, NY 12542

TOWN OF MARLBOROUGH
PLANNING BOARD APPROVAL BOX

ULSTER COUNTY DEPARTMENT
OF HEALTH APPROVAL BOX

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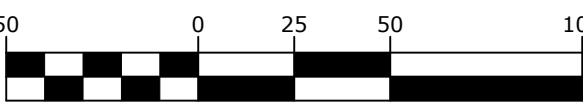
DRAWING STATUS		ISSUE DATE: 12/21/18	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER	
☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	1	OF	6
☒ UCDOH REALTY SUBDIVISION APPROVAL	1	OF	6
☐ UCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
☐ NYSDEC APPROVAL	N/A	OF	N/A
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	N/A
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A
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2 OF THE NEW YORK STATE
EDUCATION LAW.



ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 071701



1 inch = 50 ft.

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OVERALL SUBDIVISION PLAN

SMITH SUBDIVISION
FIRST STREET
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

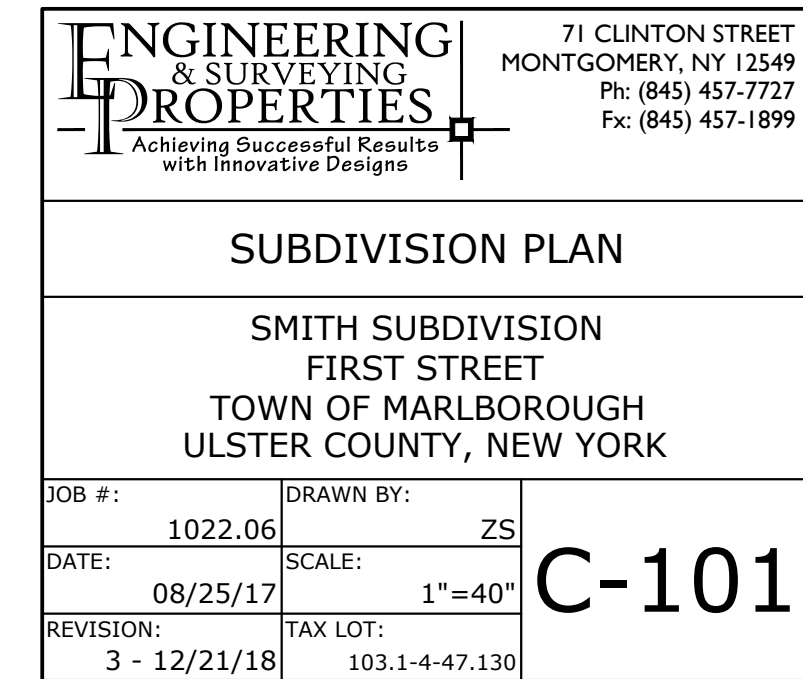
JOB #:	DRAWN BY:
1022.06	Z
DATE:	SCALE:
08/25/17	1"=50'
REVISION:	TAX LOT:
3 - 12/21/18	103.1-4-47.13

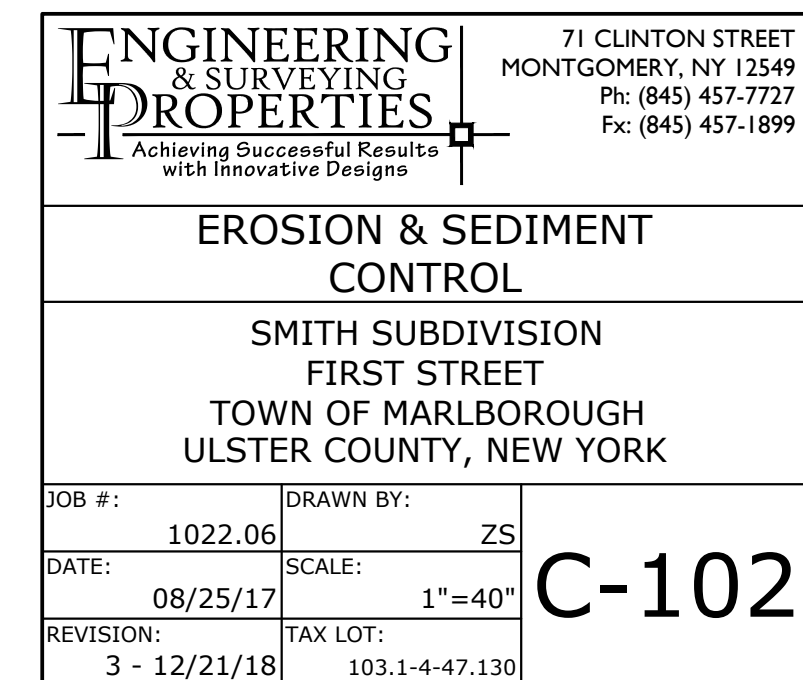
C-100

BULK REQUIREMENTS

TOWN OF MARLBOROUGH - RESIDENTIAL ZONING DISTRICT R-1						
MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 1	LOT 2	LOT 3	LOT 4	LOT 5
LOT AREA	43,560 SF	± 93,908 SF	± 88,263 SF	± 94,172 SF	± 65,212 SF	± 123,712 SF
LOT WIDTH	150 FEET	162.2 FEET	160.5 FEET	197.9 FEET	223.3 FEET	360 FEET
LOT DEPTH	200 FEET	537.5 FEET	490.7 FEET	443 FEET	289.1 FEET	219.2 FEET
FRONT YARD	35 FEET	60.2 FEET	54.9 FEET	101.2 FEET	131.6 FEET	44.4 FEET
REAR YARD	50 FEET	61.6 FEET	67.3 FEET	56 FEET	56.9 FEET	134.9 FEET
SIDE YARD (ONE/BOTH)	35/70 FEET	158.2/456.2 FEET	50.6/413 FEET	61.1/366.2 FEET	54.87/209.6 FEET	132.6/289.2 FEET
MAXIMUM ALLOWABLE						
MAXIMUM BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT
MAXIMUM BUILDING COVERAGE	20%	3.0%	3.2%	3.0%	4.3%	2.3%
MAXIMUM NUMBER OF STORIES	2 1/2	< 2 1/2	< 2 1/2	< 2 1/2	< 2 1/2	< 2 1/2

Z:\1022.06 - Brody Ridge\Subdivision Plan.dwg
Date Printed: Dec 21, 2018, 3:23pm



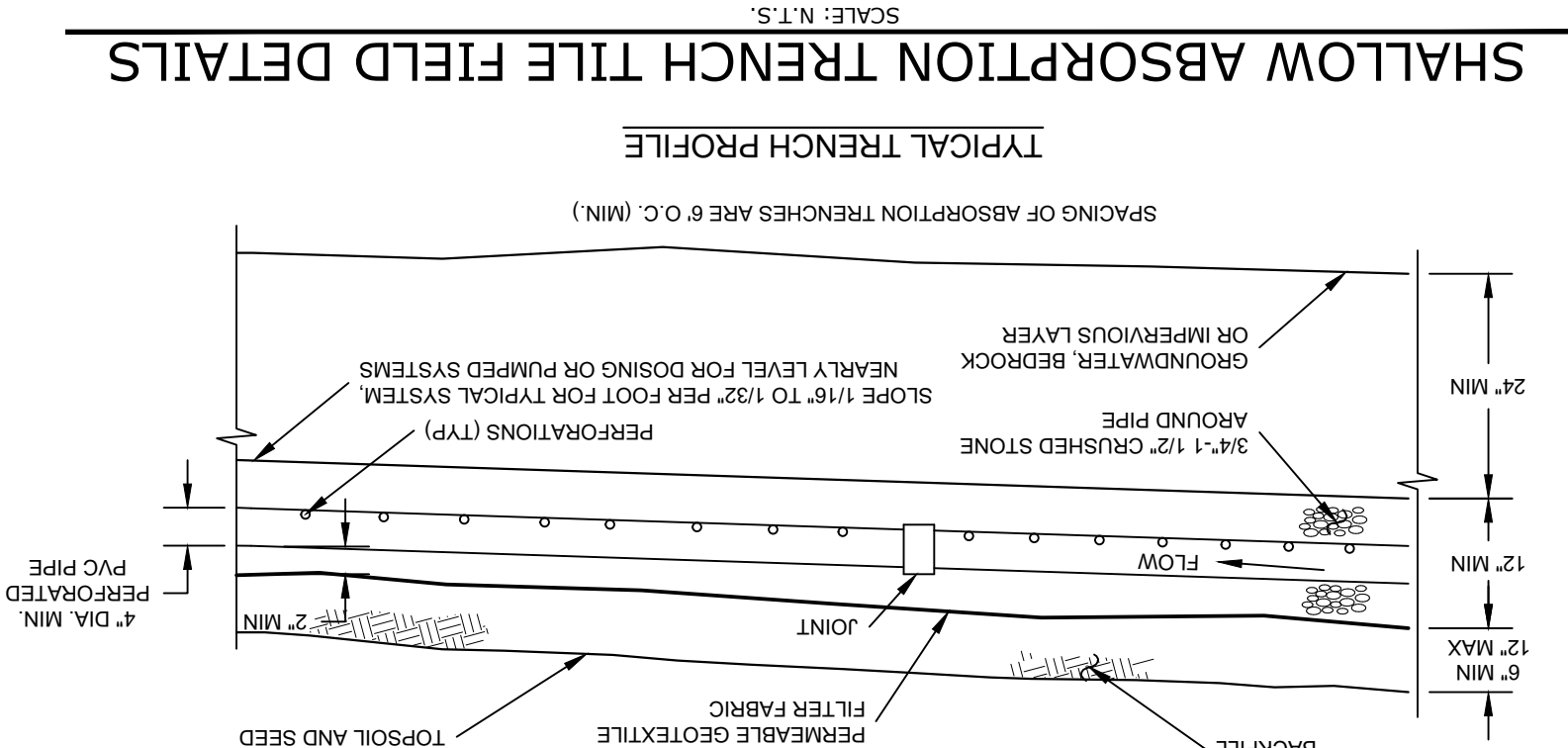


LOT #	STABILIZE PERC RATE (mm)	PROPOSED MAP BEDROOMS	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED FIELD LENGTH (ft) (BASED UPON 2" WIDE TRENCH)	PROPOSED ABSORPTION FIELD LENGTH (ft)
1	19	4	440	0.70	629	315	7 @ 45 = 315
2	33	4	440	0.50	880	440	10 @ 44 = 440
3	37	4	440	0.50	880	440	10 @ 44 = 440
4	18	4	440	0.70	629	315	7 @ 45 = 315
5	30	4	440	0.60	734	367	8 @ 46 = 368

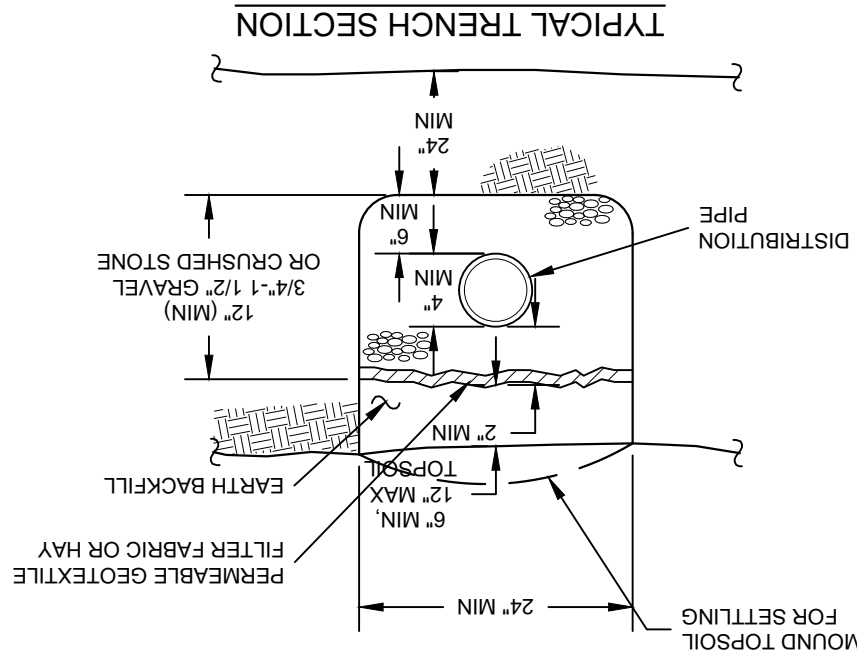
SEPTIC SYSTEM DESIGN SCHEDULE

LOT #	PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	PERCOLATION TEST RUNS - STOPWATCH USED FOR ALL TESTS (TIME FOR 1" DROP IN WATER LEVEL)										STABILIZED RATE
1	08/31/17	PT-1	24"	12"	FINISH	00:05:43	00:05:59	00:06:32							7 MIN
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
1	08/31/17	PT-2	24"	12"	FINISH			00:18:42						19 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
2	08/30/17	PT-1	24"	12"	FINISH			00:32:25						33 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
2	08/30/17	PT-2	24"	12"	FINISH	00:15:03	00:28:15	00:29:03						30 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
3	08/30/17	PT-1	24"	12"	FINISH			00:37:51	00:38:49					37 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
3	08/30/17	PT-2	24"	12"	FINISH									5 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
4	08/30/17	PT-1	24"	12"	FINISH	00:11:37	00:10:04	00:10:53						11 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
4	08/30/17	PT-2	24"	12"	FINISH									18 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
4	08/30/17	PT-1	24"	12"	FINISH	00:10:27	00:11:58	00:13:34	00:14:45	00:17:28	00:17:33			18 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
5	08/30/17	PT-1	24"	12"	FINISH									18 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										
5	08/30/17	PT-2	24"	12"	FINISH									30 MIN	
					STOPWATCH USED FOR TIMED INTERVALS										
					START										

PERCOLATION TEST RESULTS



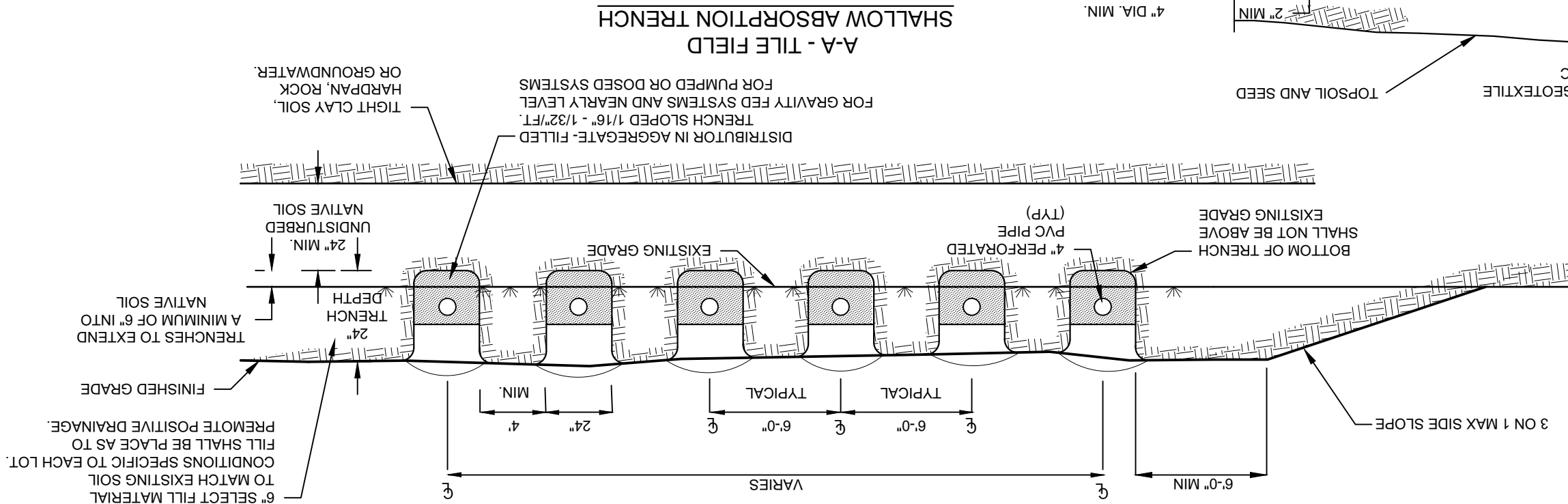
SHALLOW ABSORPTION TRENCH TILE FIELD DETAILS



SHALLOW ABSORPTION TILE FIELD OVERALL PLAN

SCALE: NTS

LOT 5 RESERVE AREA



SHALLOW ABSORPTION TRENCH

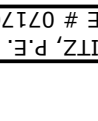
LOT #	TEST HOLE #	DATE	DEPTH	DESCRIPTION
1	JSI TP 1	10/19/18	0'-12" 12'-70"	TOPSOIL SILT LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
1	JSI TP 2	10/19/18	0'-14" 14'-50"	TOPSOIL GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
2	JSI TP 1	10/19/18	0'-5" 24'-60"	TOPSOIL GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
2	JSI TP 2	10/19/18	0'-8" 8'-24"	TOPSOIL GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
3	JSI TP 1	10/19/18	0'-13" 13'-30"	TOPSOIL SILT LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
3	JSI TP 1	10/19/18	0'-13" 32'-57"	TOPSOIL GRAVELLY SILTY LOAM W/ COBBLE NO BEDROCK, NO GROUNDWATER, NO MOTTLING
3	JSI TP 2	10/19/18	0'-13" 30'-64"	TOPSOIL SILT LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
4	JSI TP 1	10/19/18	0'-8" 6'-43"	TOPSOIL SILT LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
4	JSI TP 2	10/19/18	0'-4" 4'-32"	TOPSOIL GRAVELLY SILTY LOAM NO BEDROCK, SEEPAGE @ 50", NO MOTTLING
5	JSI TP 1	10/19/18	0'-6" 6'-21"	TOPSOIL SILT LOAM RIPPABLE SHALE NO BEDROCK, NO GROUNDWATER, NO MOTTLING
5	JSI TP 2	10/19/18	0'-5" 6'-55"	TOPSOIL CLAY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING

DEEP TEST HOLE RESULTS

DRAWING STATUS	THIS SHEET IS PART OF						SHEET
	THIS PLAN SET ISSUED FOR						NUMBER
	CONCEPT APPROVAL						N/A OF N/A
	PLANNING BOARD APPROVAL						4 OF 6
	COUNCIL REALTY SUBDIVISION APPROVAL						4 OF 6
	COUNCIL WATERMAIN EXTENSION APPROVAL						N/A OF N/A
	WSPCOE APPROVAL						N/A OF N/A
	WASDOT 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 FOR ACTION NOTED ABOVE AND SHALL NOT BE USED							
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ACCOMPANIED BY ALL SHEETS OF THE DENOTED PAPER SET(S).							

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	SOIL TESTING RESULTS & DETAILS												
	SMITH SUBDIVISION FIRST STREET TOWN MARLBOROUGH ULSTER COUNTY, NEW YORK												
	<table><tr><td>JOB #</td><td>1022.06</td><td>DRAWN BY:</td><td>ZS</td></tr><tr><td>DATE:</td><td>08/24/17</td><td>SCALE:</td><td>AS SHOWN</td></tr><tr><td>REVISION:</td><td>3 - 12/21/18</td><td>KAT LOT:</td><td>103.1 - 447.130</td></tr></table>		JOB #	1022.06	DRAWN BY:	ZS	DATE:	08/24/17	SCALE:	AS SHOWN	REVISION:	3 - 12/21/18	KAT LOT:
JOB #	1022.06	DRAWN BY:	ZS										
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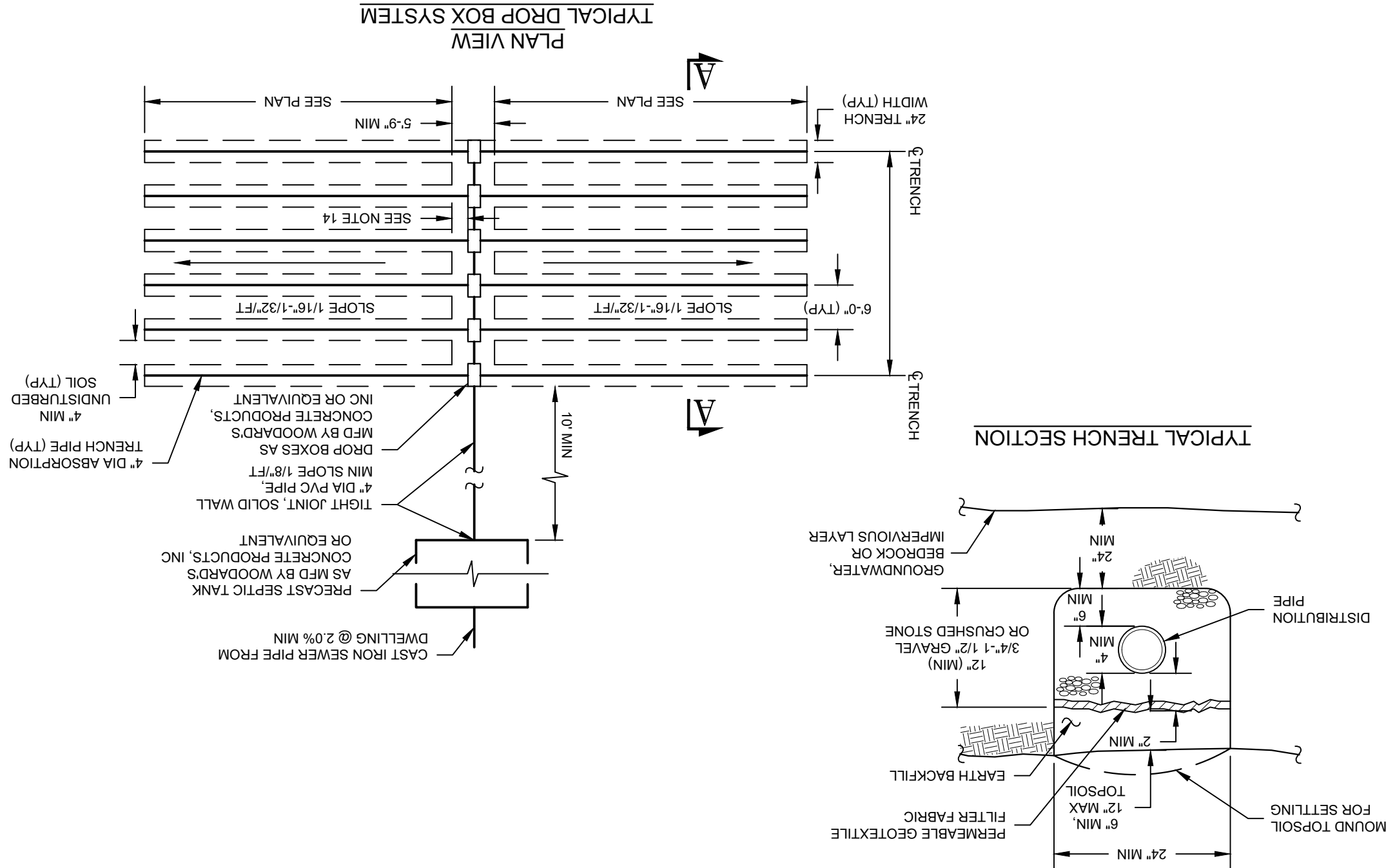
ALL LOTS PRIMARY AND LOTS 1, 2, 3 & 4 RESERVE AREAS

SCALE: N.T.S.

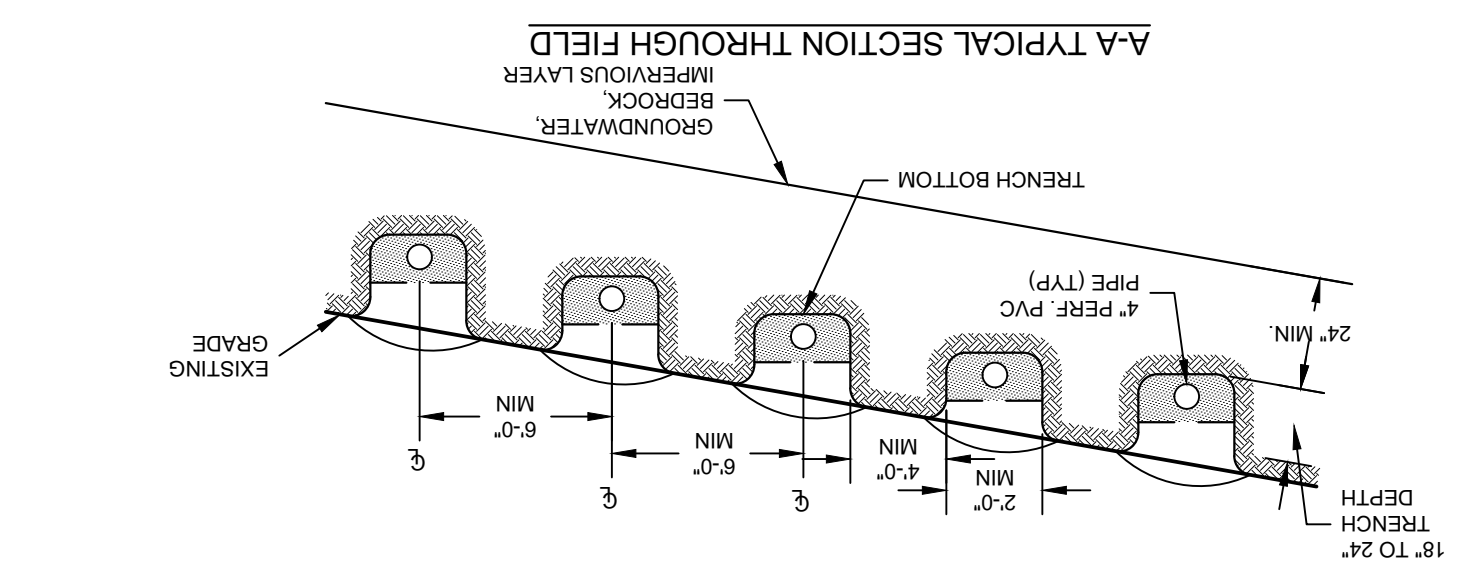
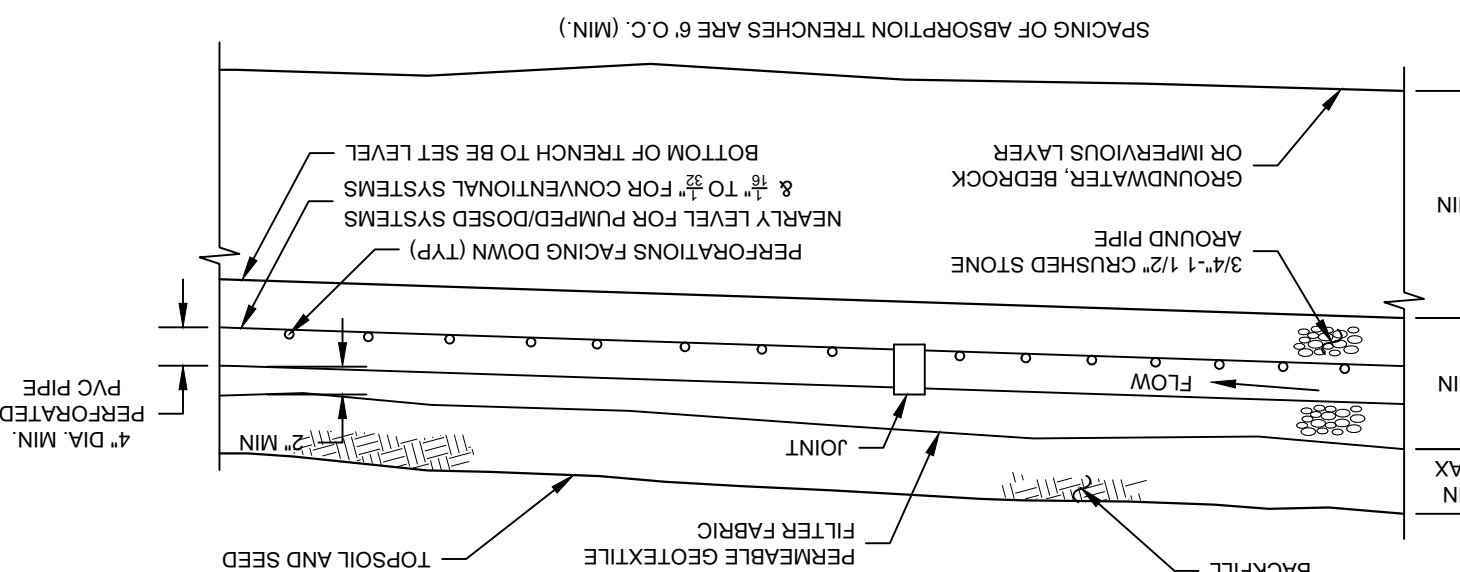
ABSORPTION TILE FIELD OVERALL PLAN

1. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE HOUSE.
2. THERE SHALL BE NO REMAINING EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
3. GARAGE GRINDERS AND/OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS ARE NOT PERMITTED WITHOUT THE SYSTEM BEING REDESIGNED AND REAPPROVED BY THE ULSTER 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.
6. 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.
9. 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 "RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS DESIGN HANDBOOK" (GREEN BOOK), LAST REVISED 2012, AND APPENDIX 75A 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 WATER TIGHTNESS.
14. PROVIDE 30" OF SOLID PIPE PRIOR TO START OF PERFORATED ABSORPTION PIPE AND BE BACKFILLED WITH NATIVE MATERIAL.
15. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE DWELLING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
16. DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
17. 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. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANCE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.

NOTES:



TYPICAL TRENCH PROFILE

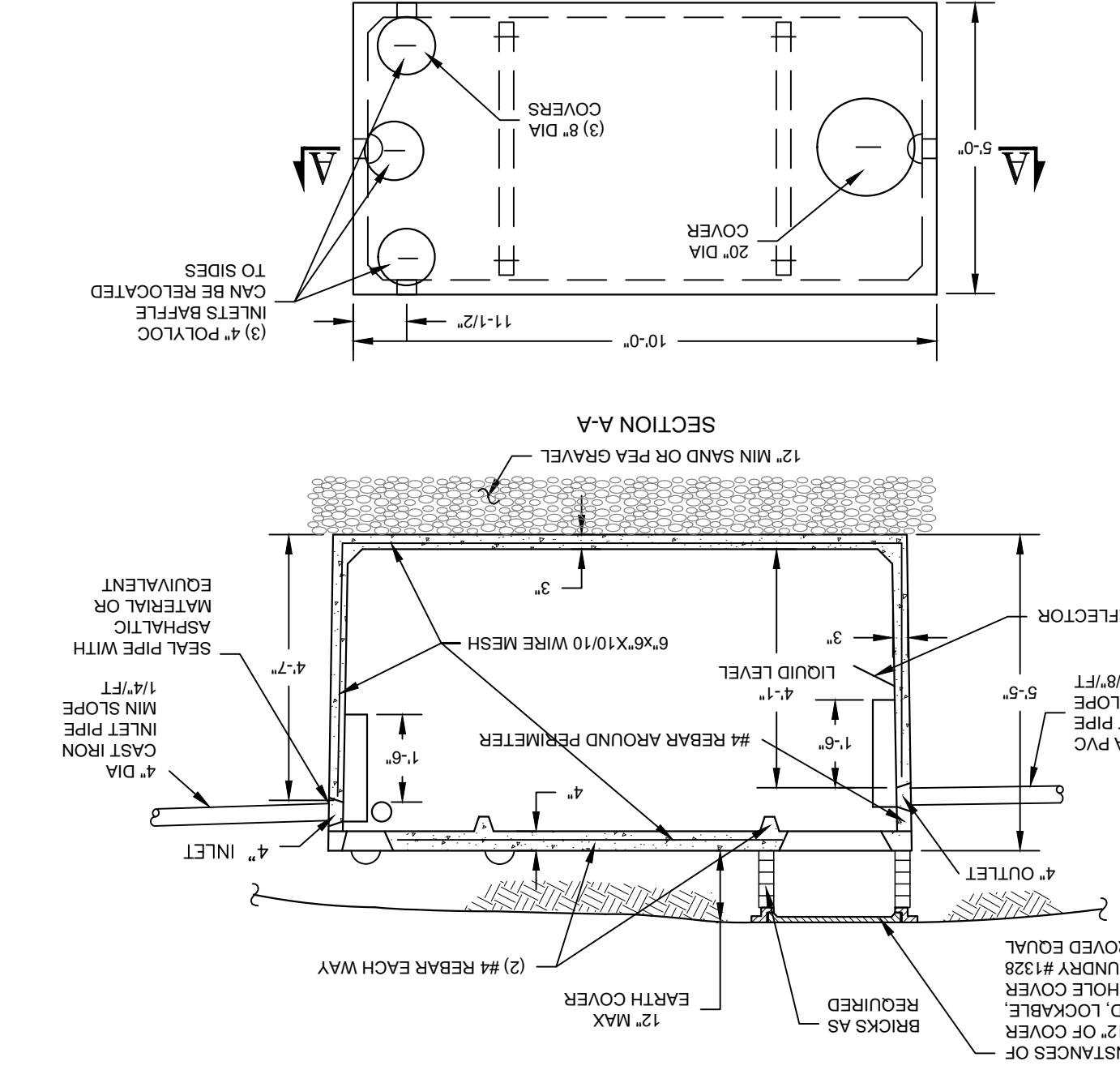


SCALE: N.T.S.

1250 GAL SEPTIC TANK

1. PRECAST CONC. - 4,000 PSI AT 28 DAYS.
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.
5. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK, OR ANY PUMPING OR DOSING CHAMBER, TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
6. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED.
7. EVERY 2 - 3 YEARS.

NOTES:

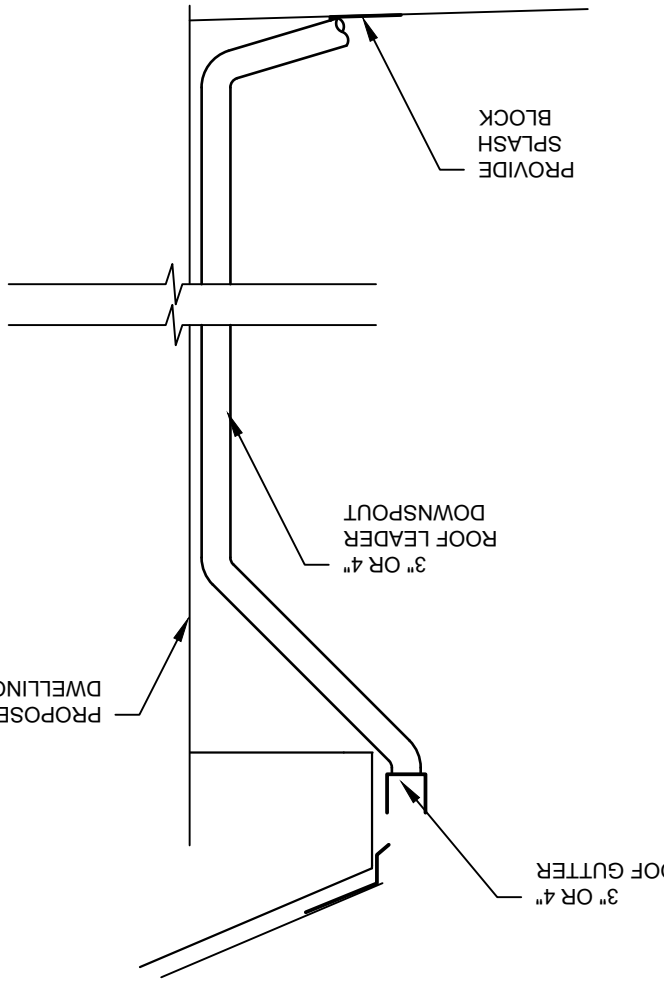


SCALE N.T.S.

ROOF LEADER AND SPLASH PAD

1. IN ACCORDANCE WITH NYSDEC STORMWATER GREEN INFRASTRUCTURE REQUIREMENTS, ALL ROOF LEADER DOWNSPOUTS SHALL DISCHARGE EFFLUENT ALONG THE SURFACE FOR INFILTRATION.
2. CONNECTION OF ROOF LEADERS TO CLOSED SYSTEMS IS PROHIBITED.
3. HOMEOWNERS SHALL MAINTAIN SPLASH BLOCK LAYOUT AREA AS SHOWN ON THE PLANS TO PROVIDE INFILTRATION OF STORMWATER ROOF RUNOFF.

NOTES:

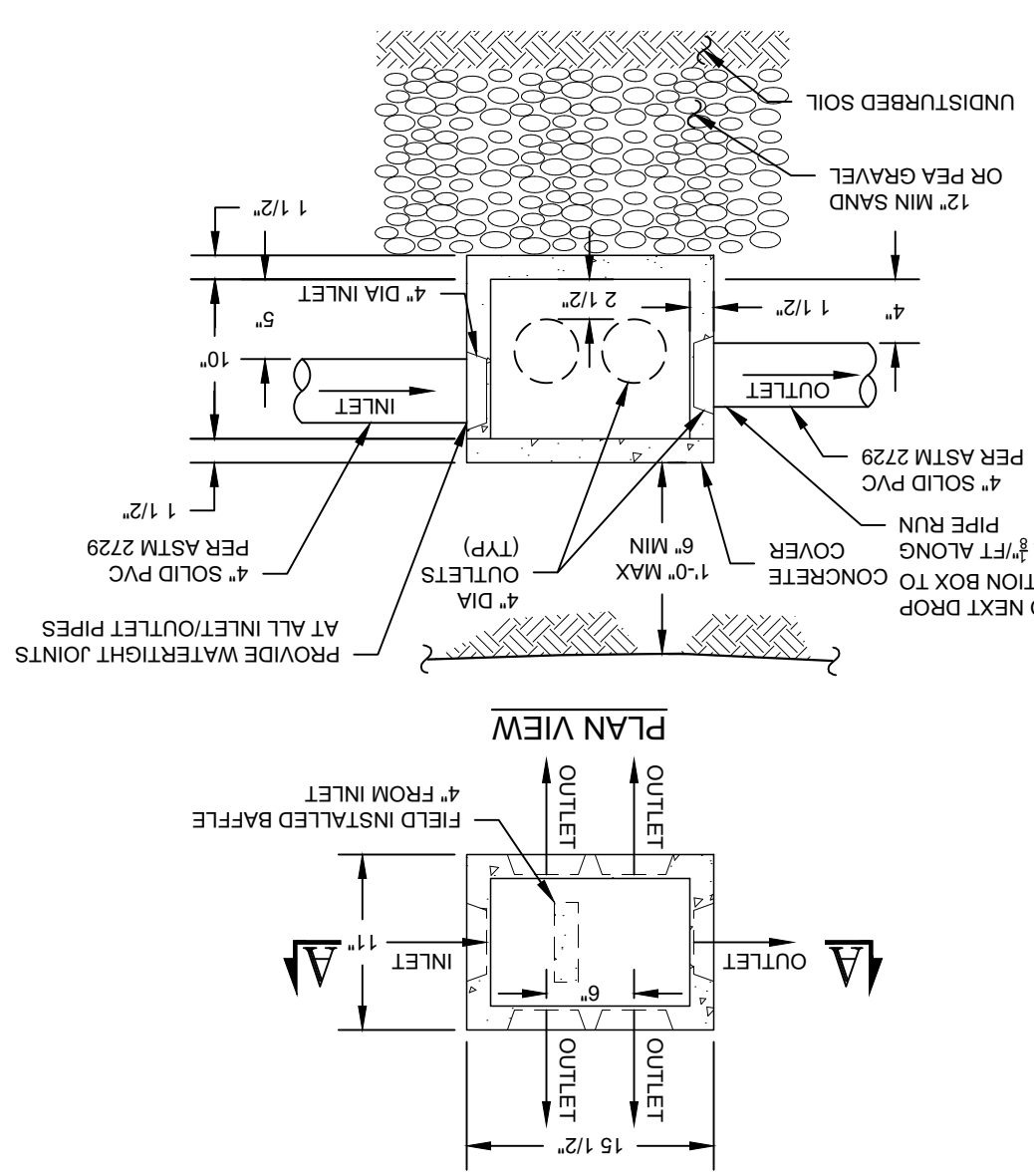


SCALE: N.T.S.

6 HOLE DROP DISTRIBUTION BOX

1. DROP BOX AS MANUFACTURED BY WOODWARD'S CONCRETE PRODUCTS, INC.
2. MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
3. CONCRETE TO BE FIBER REINFORCED PER MANUFACTURERS 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
7. DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

NOTES:

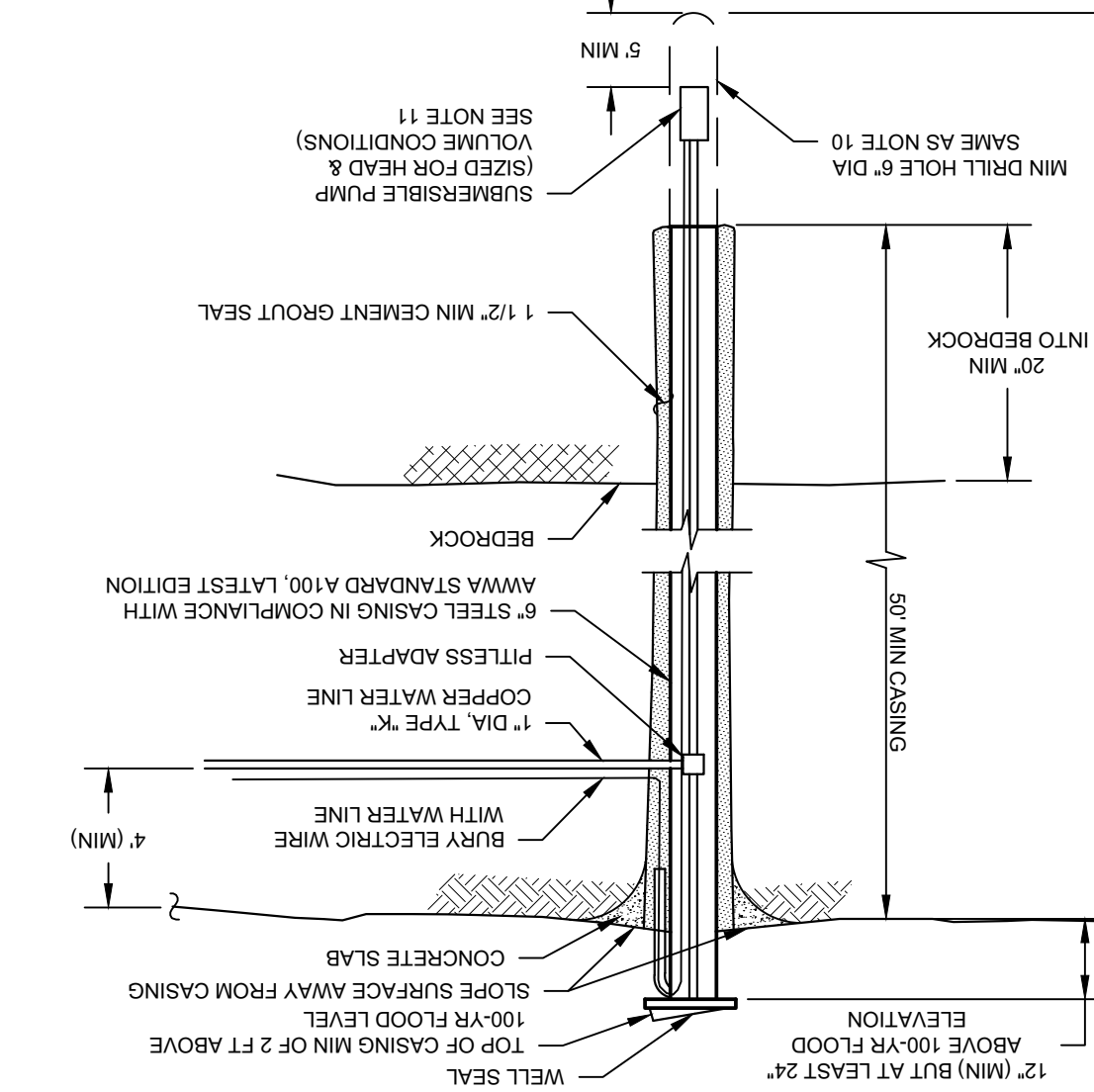


SCALE: N.T.S.

TYPICAL DRILLED WELL SECTION

1. THE WELL Casing TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
2. THE WELL IS TO BE Cased AND GROUTED FOR A MIN OF 50' IN LENGTH.
3. CASING SHALL EXTEND MINIMUM 20' INTO BEDROCK.
4. OVERSIZE DRILL HOLE (FOR GROUTING) TO BE 10" DIAMETER.
5. EXPECTED DEPTH OF LOAM AND SHALE OVERBURDEN = 5 - 30 FEET
6. EXPECTED DEPTH OF WATER BEARING FORMATION = 300 - 800 FEET
7. SAINTRY WELL SEAL SHALL BE MONITOR MODEL NO GW-1, MFG BY THE BAKER APPROVAL OF THE WATER SYSTEMS COUNSEL.
8. MFG CO. EVANSVILLE, WIS. OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
9. DISCHARGE PIPE: 1" MIN OF TYPE 1% COPPER WATER LINE
10. WATER SERVICE LINES UNDER PRESSURE SHALL NOT PASS CLOSER THAN 10' OF A SEPTIC TANK, TILE FIELD, OR ANY OTHER PART OF A SEWAGE DISPOSAL SYSTEM.
11. MIN WELL YIELD TO BE A MINIMUM OF 2 GAL PER MINUTE. ANY WELL PRODUCING BETWEEN 2.5 GPM REQUIRES 24 HOURS OF STORAGE WITHIN HOME.
12. CEMENT GROUT SHALL BE A MIXTURE OF 1 BAG CEMENT (94 LBS) AND 5 1/2 GAL OF CLEAN WATER.
13. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
14. WELLS ARE TO BE CONSTRUCTED PER NYSDEC APPENDIX 5-B "STANDARDS FOR WATER WELLS" LATEST EDITION.
15. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE

NOTES:



3 - 12/21/18	103.1-4-47.130	REVISION:
08/25/17	AS SHOWN	DATE:
10/22/06	ZS	SCALE:
JOB #:	DRAWN BY:	
SMTH SUBDIVISION	ULSTER COUNTY, NEW YORK	
FIRST STREET	TOWN MARLBOROUGH	
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