

1. TOTAL AREA OF SUBJECT PARCEL: 10.7674 ACRES
2. PROPOSED NUMBER OF LOTS: 6
3. RECORD OWNER & APPLICANT:
DOUGLAS SMITH
PO BOX 462
MARBORO, NJ 12542
4. TAX MAP IDENTIFICATION NUMBER: SECTION 103.1, BLOCK 4, LOT 47.13
5. DEED REFERENCE:
DEED LIBER 4627, PAGE 295
6. MAP REFERENCES:

A. A MAP ENTITLED, "FINAL MAP PREPARED FOR ROBERT YOUNG BY BROOKS AND BROOKS, DATED NOVEMBER 11, 1954 AND FILED IN THE OFFICE OF THE TULSA COUNTY CLERK ON DECEMBER 2, 1954 AS MAP NUMBER 10125.

B. A MAP ENTITLED, "MAP SHOWING YOUNG HEIGHTS" DATED NOVEMBER 1954 AND FILED IN THE OFFICE OF THE TULSA COUNTY CLERK ON SEPTEMBER 12, 1955 AS MAP NUMBER 1763.
7. THIS SURVEY IS SUBJECT TO THE FINDINGS OF AN UP TO DATE ABSTRACT OF TITLE.
8. SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENSES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS OF RECORD.
9. 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.
10. THE TOPOGRAPHY SHOWN HEREIN WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 SOURCE LAND. THE DEMS WERE PROVIDED BY NYS GIS AND CORRESPOND TO ACTUAL FIELD OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
11. 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 RELEVANT PART OF THIS MAP IS FOR THOSE 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.
12. CERTIFICATIONS HEREIN ARE NOT TRANSFERABLE.
13. ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERENCE THIS SURVEY WITHOUT THE BENEFIT OF AN UP DATE OF THIS SURVEY BY ENGINEERING & SURVEYING PROPERTIES, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREON.
14. UNAUTHORIZED COPIES MAY CONTAIN FRAUDULENT, INCORRECT, ERRONEOUS, OR MISLEADING INFORMATION OR OMIT IMPORTANT AND RELEVANT INFORMATION. DO NOT RELY ON UNAUTHORIZED COPIES OF 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.
15. ALL UNDERGROUND UTILITIES AND/OR IMPROVEMENTS OR THE ENCRoACHMENT OF SUCH IMPROVEMENTS ARE NOT ALWAYS KNOWN AND OF NEAREST ESTIMATE. IF THE ENCRoACHMENT OF SUCH UNDERGROUND IMPROVEMENTS EXIST OR ARE SHOWN HEREIN, THE ENCRoACHMENTS OF SUCH UNDERGROUND UTILITIES AND/OR IMPROVEMENTS ARE NOT COVERED BY THIS CERTIFICATE.
16. SUBJECT TO A DRAINAGE EASEMENT OVER THE LANDS OF QUIMBY IN FAVOR OF DEAN-PAUL PROPERTIES, INC. AS RECORDED IN DEED LIBER 5540 OF TULSA COUNTY CLERK ON APRIL 3, 2013 IN DEED LIBER 5540, PAGE 89.
17. THERE SHALL BE NO FURTHER SUBDIVISION OF ANY LOT PERMITTED UNDER CURRENT ZONING.

	PROPERTY LINE
	ADJOINING PROPERTY LINE
	PROPOSED LOT LINE
	CONTOUR LINE
	INDEX CONTOUR
	EXIST EASEMENT
	PROPOSED EASEMENT
	BUILDING SETBACK LINE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	ZONING DISTRICT LINE
	WATER DISTRICT BOUNDARY
	STONEWALL
	OVERHEAD WIRE
	HYDRANT
	WOODEN UTILITY POLE
	METAL UTILITY POLE
	CUT-OFF UTILITY POLE
	GUY ANCHOR
	PIPE FOUND
	REBAR FOUND
	CAPPED REBAR TO BE SET
	WELL CASING

TOWN OF MARLBOROUGH - ZONING DISTRICT R-1		
MINIMUM BUILDING REQUIREMENTS	REQUIRED	PROVIDED
LOT AREA	43, 560 SF	> 43, 560 SF
LOT WIDTH	150 FEET	> 150 FEET
LOT DEPTH	200 FEET	> 200 FEET
FRONT YARD	35 FEET	> 35 FEET
REAR YARD	35 FEET	> 35 FEET
SIDE YARD (ONE/BOTH)	35/70 FEET	> 35/70 FEET
<u>MAXIMUM ALLOWABLE</u>		
BUILDING HEIGHT	2 1/2 STORIES / 35 FT	< 35 FT
BUILDING COVERAGE	20 %	< 20 %

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 ULSTER, IF SO REQUIRED.

RECORD OWNER'S SIGNATURE


DOUGLAS SMITH
PO BOX 452
MARLBORO, NY 12542

ULSTER COUNTY DEPARTMENT
OF HEALTH APPROVAL BOX

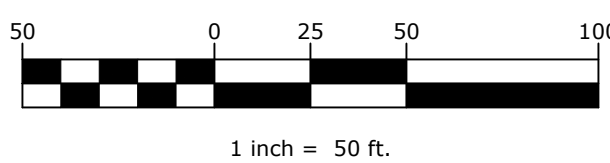
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DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		04/22/19
	SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	1	OF 7
<input checked="" type="checkbox"/> UCDOH REALTY SUBDIVISION APPROVAL	1	OF 7
<input type="checkbox"/> UCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER	N/A	OF N/A
<input type="checkbox"/> FOR BID	N/A	OF N/A
<input type="checkbox"/> FOR CONSTRUCTION	N/A	OF N/A
<p>THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.</p> <p>THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).</p>		

A COPY OF THIS DOCUMENT
WITHOUT A PROPER
APPLICATION OF THE
LICENSED PROFESSIONAL
LAND SURVEYOR'S
EMBOSSED SEAL SHOULD
BE ASSUMED TO BE AN
UNAUTHORIZED COPY.



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



I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW:

DOUGLAS SMITH;
TOWN OF MARLBOROUGH;

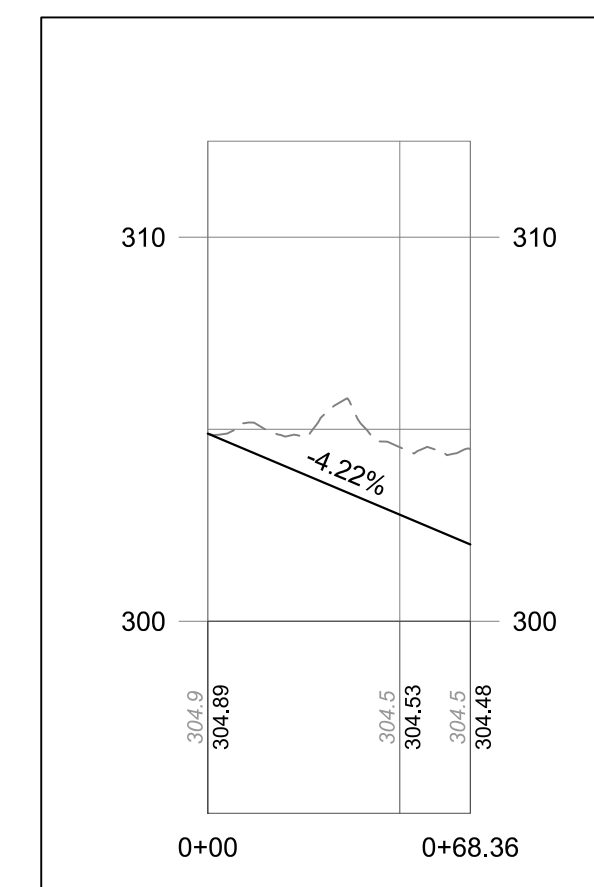
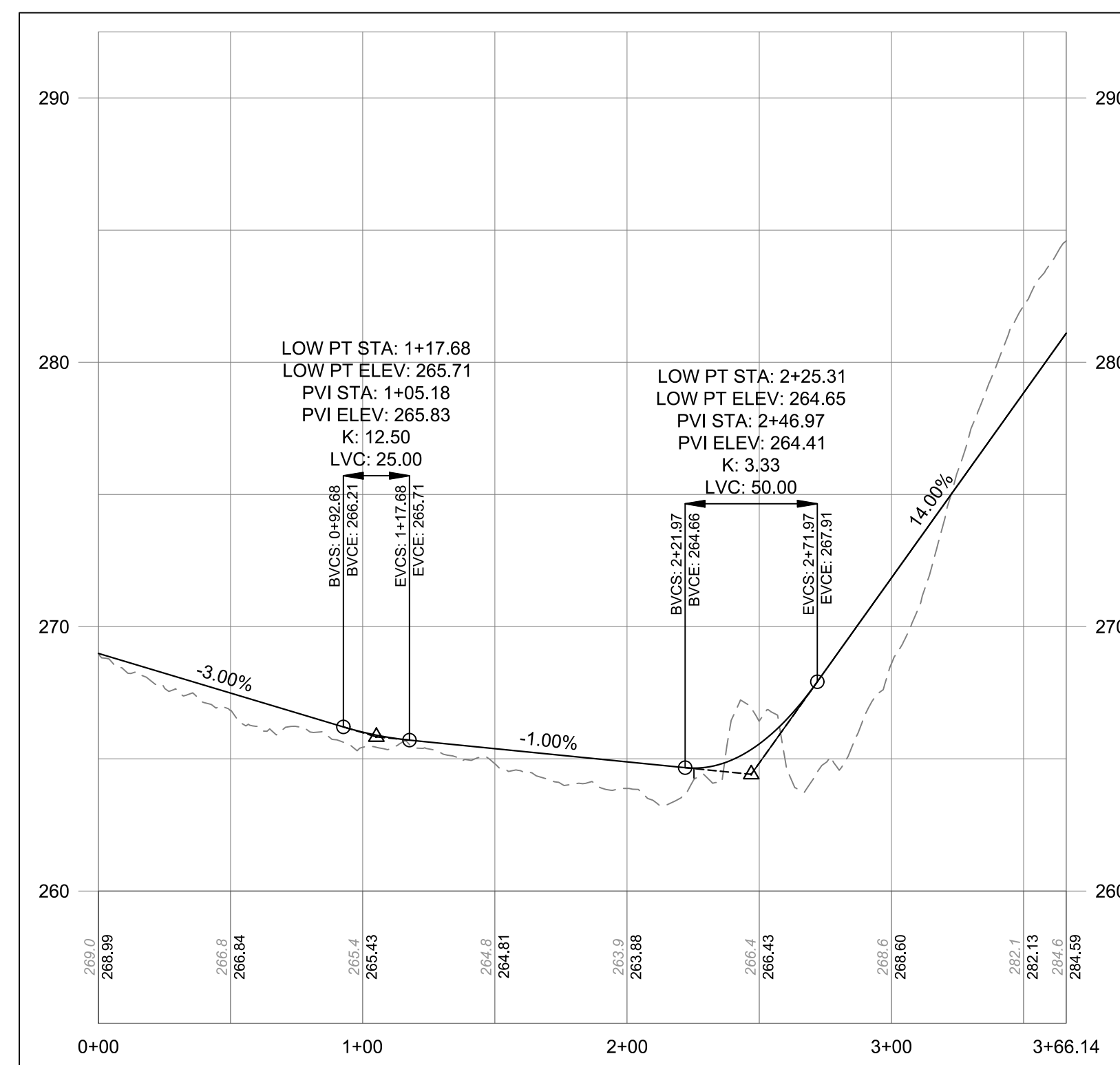
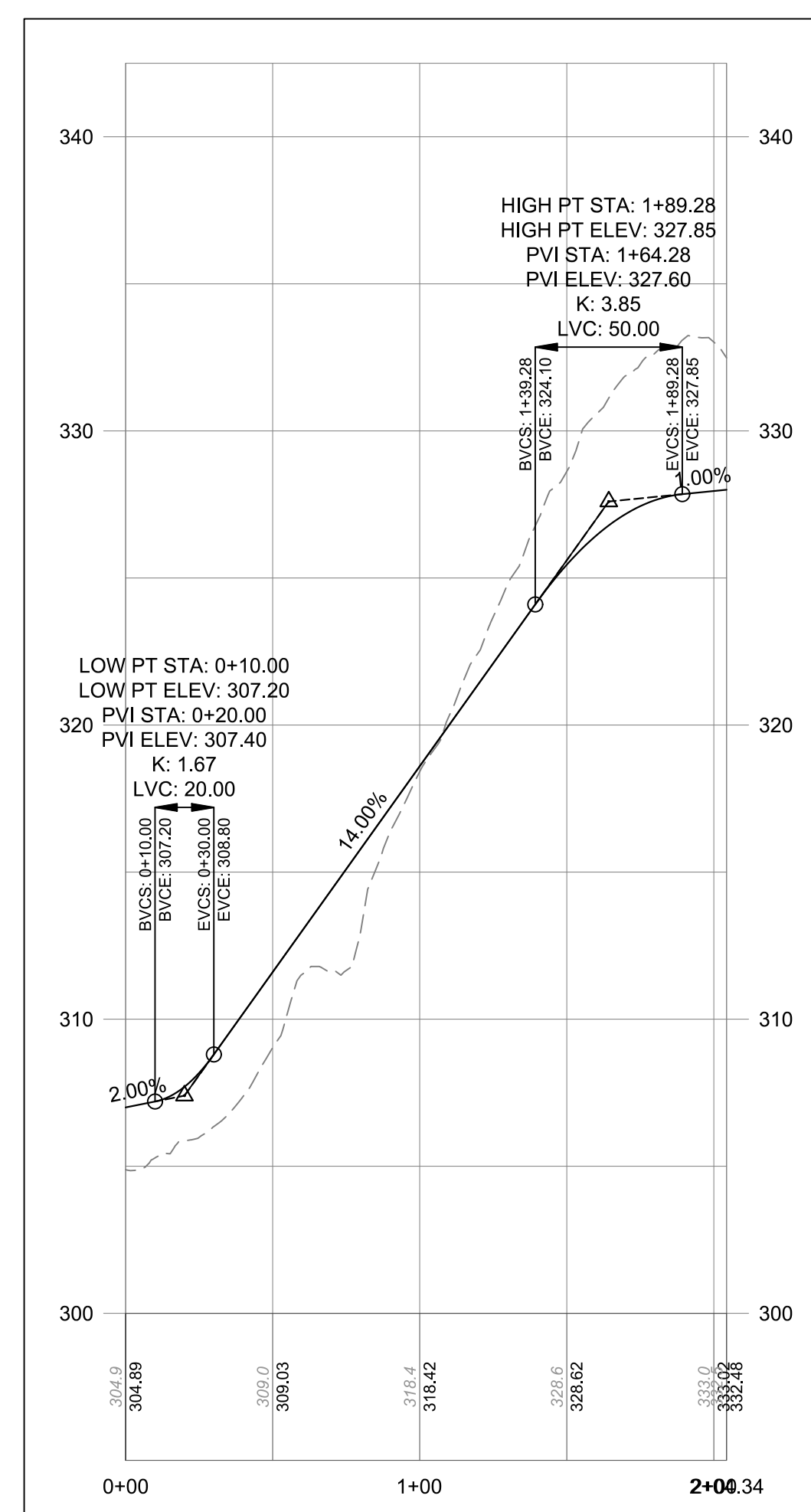
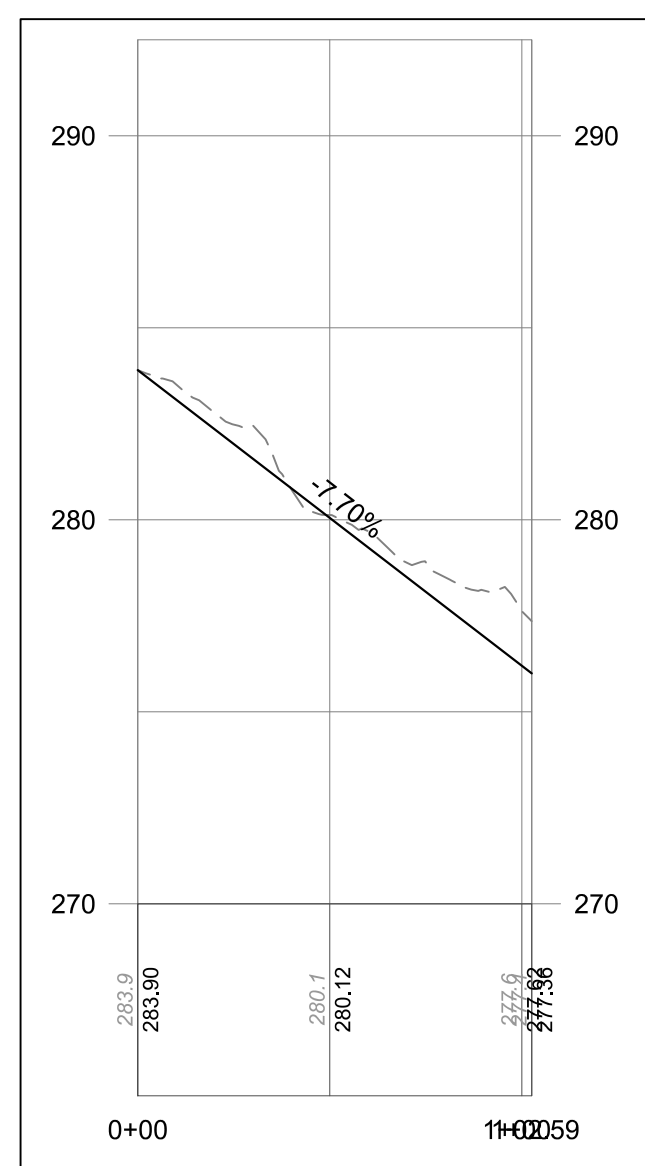
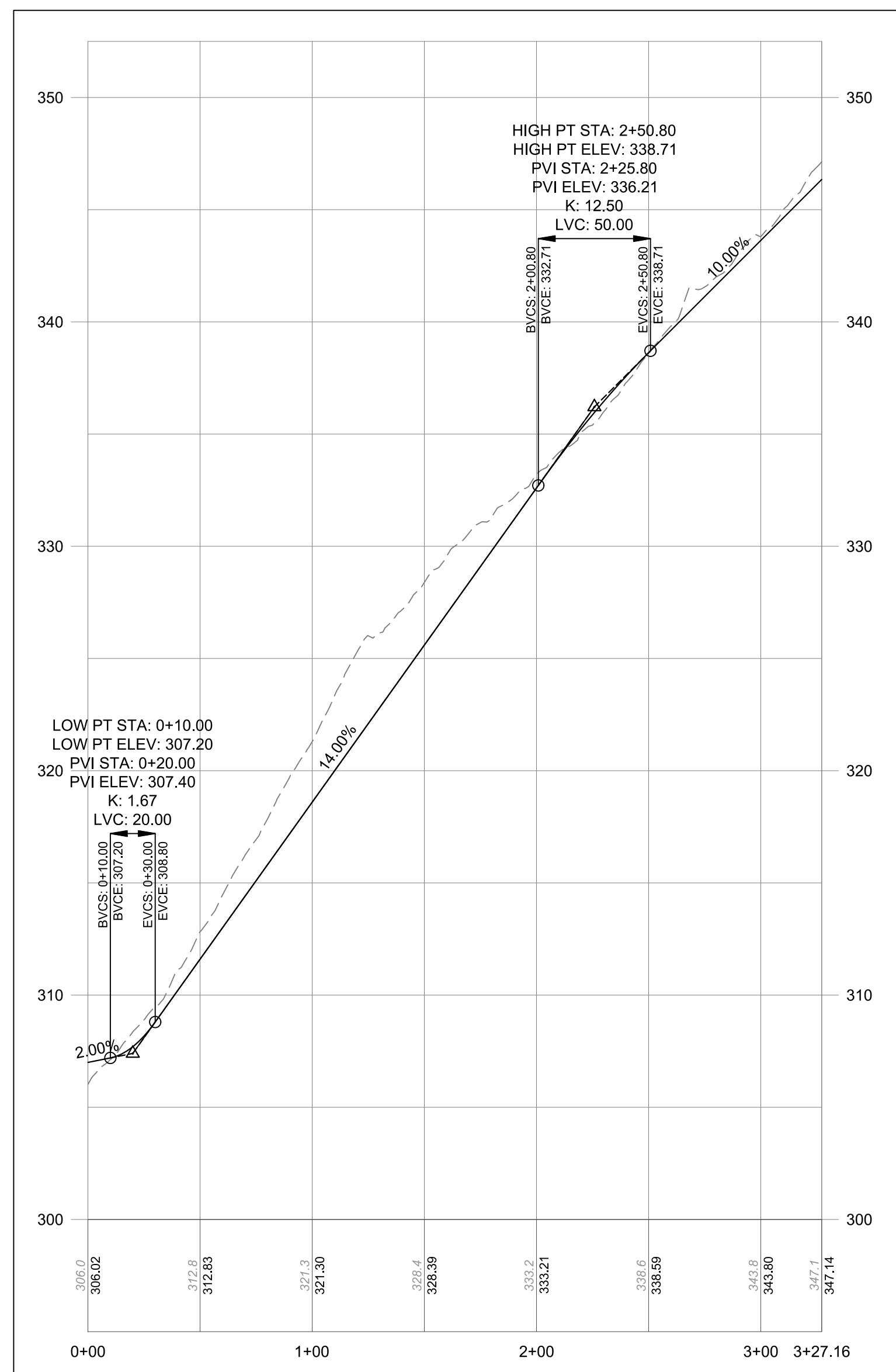
THAT THIS SURVEY MAP IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT IT IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF, BASED ON DATA CONTAINED IN DEEDS OR MAPS OF RECORD LISTED HEREON, TOGETHER WITH EVIDENCE FOUND IN THE FIELD, AND THAT THERE ARE NO SURFACE ENCROACHMENTS EXCEPT AS OTHERWISE SHOWN HEREON, AS COMPLETED ON MARCH 6, 2013.

ONLY BOUNDARY SURVEY MAPS WITH THE SURVEYOR'S
EMBOSSSED SEAL ARE GENUINE TRUE AND CORRECT COPIES OF
THE SURVEYOR'S ORIGINAL WORK AND OPINION.

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

TOWN OF MARLBOROUGH
PLANNING BOARD APPROVAL BOX

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[illegible]

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<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OTHER	N/A	OF	N/A
<input type="checkbox"/> FOR BID	N/A	OF	N/A
<input type="checkbox"/> FOR CONSTRUCTION	N/A	OF	N/A

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ADDITIONS TO THIS
DOCUMENT BEARING THE
SEAL OF A LICENSED
PROFESSIONAL ENGINEER
IS A VIOLATION OF
SECTION 7209 SUBSECTION
2 OF THE NEW YORK STATE
EDUCATION LAW.



ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 031701



 <p>ENGINEERING & SURVEYING PROPERTIES</p> <p><i>Achieving Successful Results with Innovative Designs</i></p>	<p>71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899</p>
	<p>DRIVEWAY PROFILES</p>
<p>SMITH SUBDIVISION FIRST STREET TOWN OF MARLBOROUGH ULSTER COUNTY, NEW YORK</p>	
<p>JOB #: 1022.06</p> <p>DATE: 08/25/17</p> <p>REVISION: 5 - 04/22/21</p>	<p>DRAWN BY: ZS</p> <p>SCALE: 1"=40'</p> <p>TAX LOT: 103.1-47.130</p>

PERCOLATION TEST RESULTS

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
				FINISH							
1	08/31/17 PT-1	24"	12"	FINISH							7 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:05:43	00:05:59	00:06:32				
1	08/31/17 PT-2	24"	12"	FINISH							19 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:17:15	00:18:07	00:18:42				
2	08/30/17 PT-1	24"	12"	FINISH							33 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:21:06	00:30:48	00:32:25				
2	08/30/17 PT-2	24"	12"	FINISH							30 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:15:03	00:28:15	00:29:03				
3	08/30/17 PT-1	24"	12"	FINISH							37 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:22:06	00:29:51	00:37:51	00:36:49			
3	08/30/17 PT-2	24"	12"	FINISH							5 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:02:58	00:03:36	00:04:18	00:04:30			
4	08/30/17 PT-1	24"	12"	FINISH							11 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:11:37	00:10:04	00:10:53				
4	08/30/17 PT-2	24"	12"	FINISH							18 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:10:27	00:11:58	00:13:34	00:14:45	00:17:28	00:17:33	
5	08/30/17 PT-1	24"	12"	FINISH							18 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:10:40	00:16:25	00:17:18				
5	08/30/17 PT-2	24"	12"	FINISH							30 MIN
				START	STOPWATCH	USED FOR TIMED INTERVALS					
				TIME	00:15:03	00:28:15	00:29:03				

SEPTIC SYSTEM DESIGN SCHEDULE


LOT #	STABILIZE PERC RATE (min)	PROPOSED MAP BEDROOMS	FLOW RATE (GPD)*	APPLICATION RATE (GPD/sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED ABSORPTION 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


DEEP TEST HOLE RESULTS

LOT #	TEST HOLE #	DATE	DEPTH	DESCRIPTION
1	JSI TP 1	10/19/18	0'-12" 12'-70"	TOPSOIL SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
1	JSI TP 2	10/19/18	0'-14" 14'-50" 50'-66"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
2	JSI TP 1	10/19/18	0'-6" 6'-24" 24'-60"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
2	JSI TP 2	10/19/18	0'-8" 8'-24" 24'-74"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
3	JSI TP 1	10/19/18	0'-13" 13'-32" 32'-57"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM W/ COBBLE NO BEDROCK, NO GROUNDWATER, NO MOTTLING
3	JSI TP 2	10/19/18	0'-13" 13'-30" 30'-64"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
4	JSI TP 1	10/19/18	0'-6" 6'-43" 43'-68"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM W/ COBBLE NO BEDROCK, NO GROUNDWATER, NO MOTTLING
4	JSI TP 2	10/19/18	0'-4" 4'-32" 32'-64"	TOPSOIL SILTY LOAM GRAVELLY SILTY LOAM NO BEDROCK, SEEPAGE @ 50", NO MOTTLING
5	JSI TP 1	10/19/18	0'-6" 6'-21" 21'-70"	TOPSOIL SILTY LOAM RIPPABLE SHALE ROCK @ 21", NO GROUNDWATER, NO MOTTLING
5	JSI TP 2	10/19/18	0'-6" 6'-55"	TOPSOIL CLAY LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING

[illegible]


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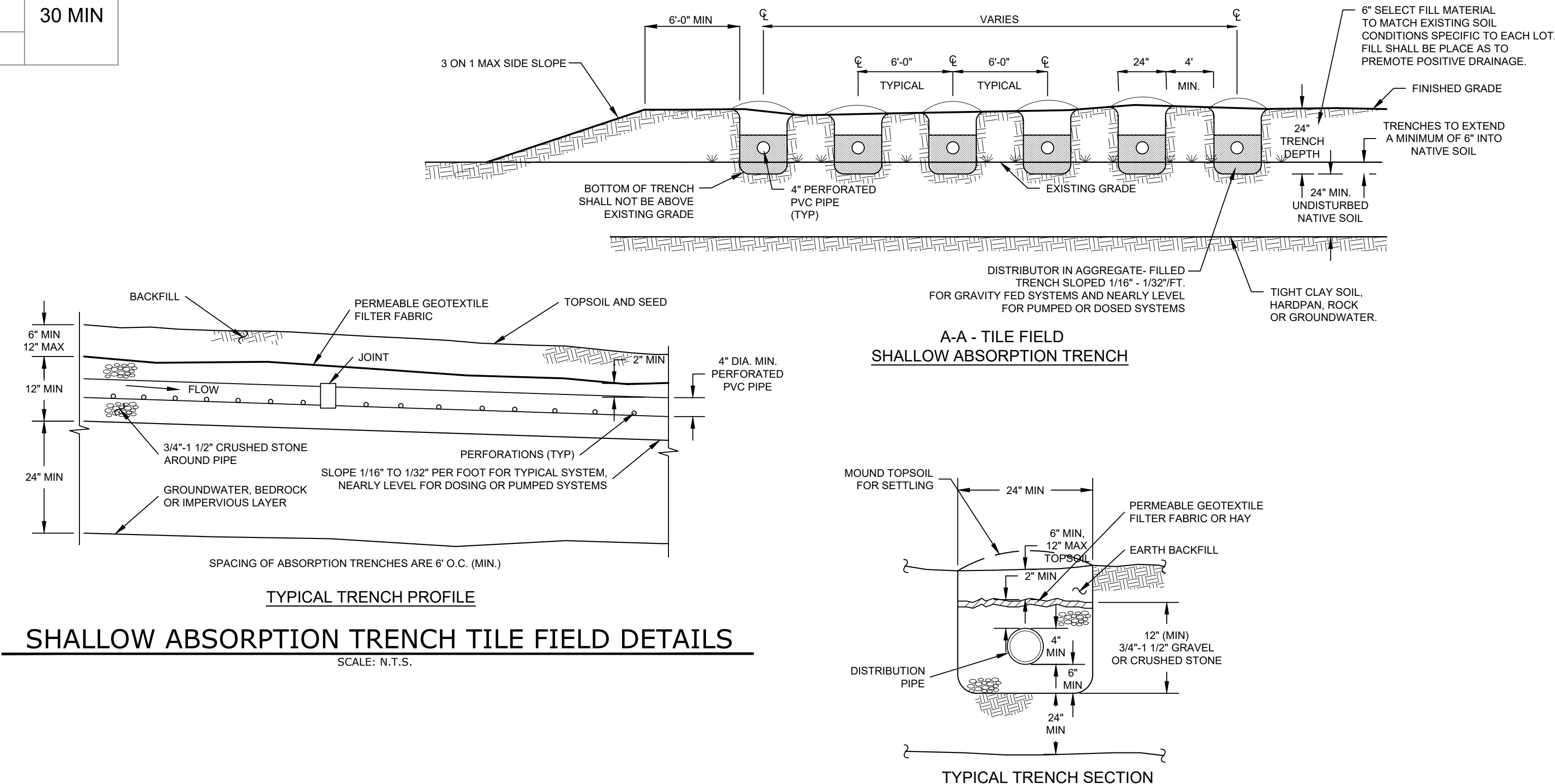
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<p>UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209 SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.</p>	<p>ROSS WINGLOVITZ, P.E. NEW YORK LICENSE # 071701</p>



0 1 2 3

ORIGINAL SCALE IN INCHES

 <p>ENGINEERING & SURVEYING PROPERTIES, INC.</p> <p><i>Achieving Successful Results with Innovative Designs</i></p>	<p>71 CLINTON STREET MONTGOMERY, NY 12549</p> <p>Ph: (845) 457-7727 Fc: (845) 457-1899</p>
	<p>SOIL TESTING RESULTS & DETAILS</p> <p>SMITH SUBDIVISION FIRST STREET TOWN MARLBOROUGH ULSTER COUNTY, NEW YORK</p>
<p>JOB #:</p> <p>DATE: 08/24/17</p> <p>REVISION: 5 - 04/22/19</p>	<p>DRAWN BY: ZS</p> <p>SCALE: AS SHOWN</p> <p>TAX LOT: 103.1-4-47.130</p>



SHALLOW ABSORPTION TILE FIELD OVERALL PLAN

SCALE: NTS

RESERVE AREA

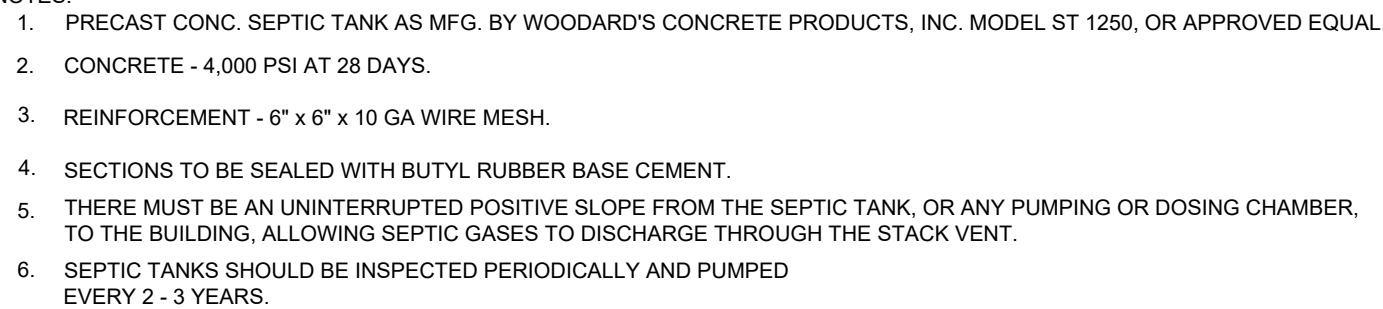


1. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE HOUSE.
2. THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
3. GARBAGE GRINDERS AND/OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS ARE NOT PERMITTED WITHOUT THE SYSTEM BEING REDESIGNED 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 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 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 UNDESIRABLE COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.

SCALE: N.T.S.

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 LAWN AREA AS SHOWN ON THE PLANS TO PROVIDE INFILTRATION OF STORMWATER.

SCALE N.T.S.



SCALE: NTS

PRE-CONSTRUCTION: NOTIFY APPROPRIATE MUNICIPAL AND UTILITY OFFICIALS 3 DAYS PRIOR TO START OF CONSTRUCTION.

2. FOR DETAILED PHASING REFER TO EROSION CONTROL AND PHASING PLANS.

3. CONSTRUCTION STAGING: STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWN HILL OF PROPOSED CONSTRUCTION. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND STABILIZE CONSTRUCTION ROAD(S). INSTALL TEMPORARY SEDIMENT TRAP(S). INSTALL PERMANENT/TEMPORARY GRASSED SWALES.

4. CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF CONSTRUCTION. STRIP TOPSOIL AND STOCKPILE IN AREAS SHOWN ON THE PLAN. INSTALL SEDIMENT BARRIERS AROUND AND ESTABLISH TEMPORARY VEGETATION ON TOPSOIL STOCKPILES.

5. ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON THE PLAN. IMPLEMENT DUST CONTROL MEASURES AS NECESSARY. ESTABLISH PERMANENT STABILIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABILIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 14 DAYS FROM LAST DISTURBANCE.

6. ROADBUILDING CONSTRUCTION AND UTILITY INSTALLATION: FINAL GRADING AND CONSTRUCTION OF ROADWAYS. BUILDING EXCAVATION AND CONSTRUCTION. INSTALL UTILITIES. INSTALL DRAINAGE INLET AND OUTLET PROTECTION AS EACH INLET/OUTLET IS CONSTRUCTED. ENSURE ALL EROSION CONTROL MEASURES ARE IN WORKING ORDER.

7. FINAL GRADING AND LANDSCAPING: REMOVE TEMPORARY SEDIMENT TRAPS AND INSTALL PERMANENT WATER QUALITY/QUANTITY FACILITIES. COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR PERMANENT SEEDING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UNSTABILIZED AREAS. INSTALL ALL SITE LANDSCAPING AND PLANTINGS.

8. POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND ESTABLISHMENT OF ALL VEGETATION COVER, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE. REMOVE ALL SILT AND DEBRIS FROM THE SITE INCLUDING ROADWAYS, CATCH BASINS AND STORM DRAINS.

1 1/2" MIN CEMENT GROUT SEAL

MIN DRILL HOLE 6" DIA
SAME AS NOTE 10

SUBMERSIBLE PUMP
(SIZED FOR HEAD &
VOLUME CONDITIONS)
SEE NOTE 11

5' MIN

INTO BEDROCK

NOTES:

1. WELL IS TO BE CASED AND GROUTED FOR A MIN OF 50' IN LENGTH.
2. CASING SHALL EXTEND MINIMUM 20" INTO BEDROCK.
3. OVERSIZE DRILL HOLE (FOR GROUTING) TO BE 10" DIAMETER.
4. EXPECTED DEPTH OF LOAM AND SHALE OVERBURDEN = 5 - 30 FEET
5. EXPECTED DEPTH OF WATER BEARING FORMATION = 300 - 600 FEET
6. THE WELL CASING TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
7. SANITARY WELL SEAL SHALL BE MONITOR MODEL NO 6WE-1, MFG BY THE BAKER MFG CO., EVANSVILLE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
8. PITLESS ADAPTOR SHALL BE MONITOR MODEL NO 6PL6-1U, MFG BY THE BAKER MFG CO., EVANSVILLE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
9. DISCHARGE PIPE : 1" MIN OF TYPE "K" 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. PVC PIPE WITH O-RING JOINTS ARE REQUIRED FOR SEWAGE LINES BETWEEN 25 AND 50 FEET OF ANY WELL.
12. 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.
13. CEMENT GROUT SHALL BE A MIXTURE OF 1 BAG CEMENT (94 LBS) AND 5 1/2 GAL OF CLEAN WATER.
14. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
15. WELL TO BE CONSTRUCTED PER NYSDOH APPENDIX 5-B "STANDARDS FOR WATER WELLS" LATEST EDITION.
16. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE THE MINIMUM SEPARATION DISTANCES ARE MET.
17. WATER CONTAINING MORE THAN 20 mg/L OF SODIUM SHOULD NOT BE USED FOR DRINKING BY PEOPLE ON SEVERELY RESTRICTED SODIUM DIETS. WATER CONTAINING MORE THAN 270 mg/L OF SODIUM SHOULD NOT BE USED BY PEOPLE ON MODERATELY RESTRICTED SODIUM DIETS.

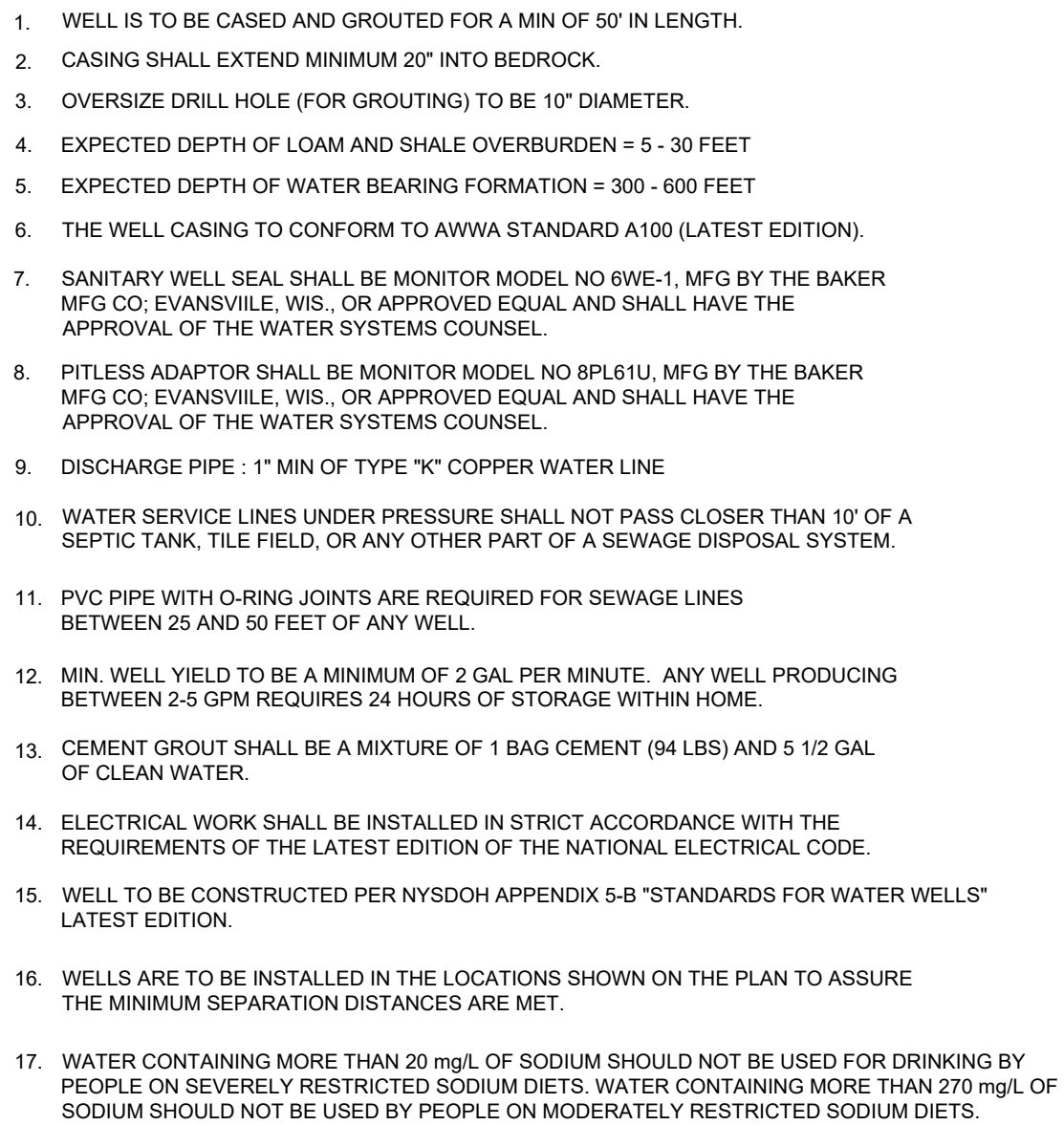
12" MAX
EARTH COVER

SCALE: NTS



1. DROP BOX AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. CATALOG NO. DB-4DB 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 SLOPE 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.

SCALE: N.T.S.



DRAWING STATUS		ISSUE DATE:	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		04/22/19	
		SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	6	OF	7
<input type="checkbox"/> UCDOH REALTY SUBDIVISION APPROVAL	6	OF	7
<input type="checkbox"/> UCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OTHER	N/A	OF	N/A
<input type="checkbox"/> FOR BID	N/A	OF	N/A
<input type="checkbox"/> FOR CONSTRUCTION	N/A	OF	N/A
<p>THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.</p> <p>THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).</p>			

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SMITH SUBDIVISION
FIRST STREET
TOWN MARLBOROUGH
ULSTER COUNTY, NEW YORK

JOB #:	1022.06	DRAWN BY:	ZS
DATE:	08/25/17	SCALE:	AS SHOWN
REVISION:	5 - 04/22/19	TAX LOT:	103.1-4-47.130

C-301



- CONSTRUCTION SPECIFICATIONS:

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
4. FILL SHALL BE COMPACTED AS NEEDED IN CONSTRUCTION TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED WATERWAY.
5. WATERWAY SHALL BE SEEDED AND STABILIZED JUTE OR EXCELSIOR MATTING UNTIL THE VEGETATION IS ESTABLISHED.

SCALE: N.T.S



1. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC. SHALL BE WITH R.O.B. GRAVEL (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST.
2. ALL DRAINAGE PIPE SHALL BE HDPE WITH A SMOOTH INVERT.
3. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

SCALE: NTS



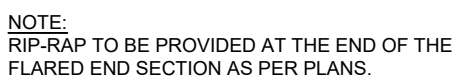
1. STONE SHALL BE MAXIMUM SIZE OF 6" WITH 50 TO 100 PERCENT BY WEIGHT LARGER THAN 3" AND 0 TO 10 PERCENT SMALLER THAN 1/2".
2. FILTER FABRIC SHALL BE POLY-FILTER X CLOTH AS MANUFACTURED BY CARTHAGE MILLS
3. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION AT LOCATIONS SHOWN ON THE PLAN.
4. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
5. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
6. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
7. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

SCALE: NTS



1. SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.
2. SILT SHALL BE REMOVED WHEN HEIGHT OF SILT EXCEEDS 1/2 OF THE EXPOSED SILT FENCE HEIGHT.

SCALE: NTS



SCALE: NTS



1. ROLLED EROSION CONTROL PRODUCT (RECP'S) SHALL BE USED ON ALL CONSTRUCTED SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL.
2. PREPARATION OF THE SOIL INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY RECP'S.
3. INSTALL RECP - NORTH AMERICAN GREEN BIONET S1608 OR APPROVED EQUIV. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP BY 9" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACE APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
4. ROLL THE RECP'S DOWN THE SLOPE OR HORIZONTALLY ACROSS THE SLOPE. ALL RECP'S MUST BE SECURLY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE PRODUCTS STAPLE PATTERN GUIDE.
5. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2' TO 5' OVERLAP DEPENDING ON RECP'S TYPE.
6. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3' OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS THE ENTIRE RECP'S WIDTH.

SCALE: NTS



CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4FT. WIDE EXTENDING 2'-0" OVER THE LIP AND BURIED INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOD AND BE SECURELY HELD IN PLACE WITH D = 6" RIP-RAP.
2. ENSURE THAT THE LIP IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE LIP SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. A 20 FOOT RIP-RAP SWALE TRANSITION SECTION WILL BE CONSTRUCTED FROM THE DIVERSION CHANNEL TO THE SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF DISCHARGE WILL BE OUTLETTED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

SCALE: NTS

1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS.

1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS.
2. GRASS CONSTRUCTION FENCE LOCATIONS AROUND ALL SEPTIC SYSTEM AREAS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE CITY ENGINEER. ALL CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT THE SEPTIC AREAS. THE GRASS CONSTRUCTION FENCING SHALL ONLY BE REMOVED AT TIME ACTUAL CONSTRUCTION OF THE SEPTIC SYSTEM.
3. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES, TEMPORARY SWALE DITCHES, SLOPE PROTECTION AND SEDIMENT BASINS, RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION OF THE PROPOSED ROADWAY OR DWELLING UNITS.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT ESTABLISHMENT OF VEGETATION.
 - 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES.
 - 4.2. LINE SEED SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY PH OF 6.0 TO 7.0.
 - 4.3. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED FOR ESTABLISHING NEW LAWNS PER SITE SPECIFIC SOIL TEST RESULTS OR A RATE OF 600 LBS. PER ACRE.
 - 4.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY BARREN FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATES TO PROMOTE TEMPORARY STABILIZATION AND COVER: 30 LBS. REYGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS. CERTIFIED "ARROSTOCK" WINTER RYE (CEREAL RYE) PER ACRE.
 - 4.5. PERMANENT SEEDING SHALL BE APPLIED ON A 4" MIN TOPSOIL AT THE FOLLOWING RATES:

8 LBS EMPIRE BIRDFOOT TREFOIL OR COMMON WHITE CLOVER PER ACRE	<u>PLUS</u>
30 LBS TALL FESCUE PER ACRE	<u>PLUS</u>
2 LBS REDTOP OR 5 LBS REYGRASS (PERENNIAL) PER ACRE	
 - 4.6. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OF HYDROSEEDING, UNLESS OTHERWISE APPROVED.
 - 4.7. ALL DISTURBED AREAS SHALL BE PERFORMED PROPERLY TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH HYDROSEEDER, OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORMED PROMPTLY TO MAINTAIN PROPER FUNCTION. TRAPPED SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A PROTECTED AREA IN A PROPER MANNER WHICH WILL NOT RESULT IN EROSION.
6. TEMPORARY CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED AND GROUND COVER IS COMPLETELY ESTABLISHED. FOLLOWING STABILIZATION, TEMPORARY MEASURES SHALL BE REMOVED TO AVOID INTERFERENCE WITH DRAINAGE.
7. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
8. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN SUFFICIENT QUANTITIES.
9. MULCH NETTING SUCH AS PAPER, WET, EXCELSDOR, COTTON OR PLASTIC MAY BE USED STAKES IN PLACE OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
10. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING LIME AND FERTILIZER AS SPECIFIED ABOVE AND SEEDING WITH THE FOLLOWING MIXTURE:

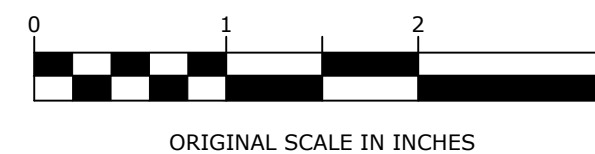
MATERIAL	<u>50</u>	<u>AcAcre</u>
PERENNIAL RYE GRASS	30	
CROWN VETCH	12	
SPREADING FESCUE	25	
11. OPTIMUM SEEDING PERIODS ARE 3/15-4/11 AND 8/1-10/15.

DRAWING STATUS		ISSUE DATE: 02/05/19	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	7	OF	7
<input type="checkbox"/> UCDON REALTY SUBDIVISION APPROVAL	7	OF	7
<input type="checkbox"/> UCDON WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OTHER	N/A	OF	N/A
<input type="checkbox"/> FOR BID	N/A	OF	N/A
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DETAILS

SMITH SUBDIVISION
FIRST STREET
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ULSTER COUNTY, NEW YORK

JOB #:	1022.06	DRAWN BY:	ZS
DATE:	08/25/17	SCALE:	AS SHOWN
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C-302