

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
EMBOSSED SEAL ARE GENUINE TRUE AND CORRECT COPIES OF
THE SURVEYOR'S ORIGINAL WORK AND OPINION.

LIST OF DRAWINGS

<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**

ULSTER COUNTY DEPARTMENT
OF HEALTH APPROVAL BOX

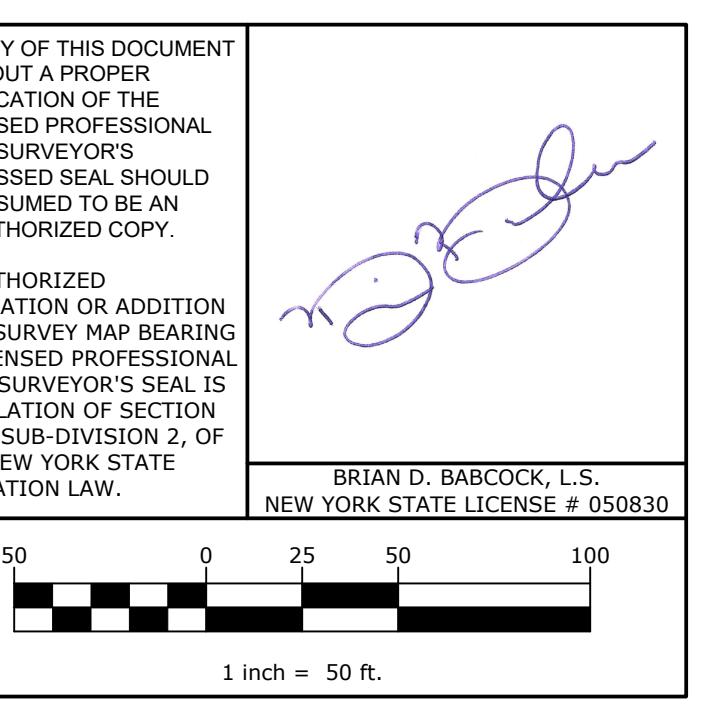
OF HEALTHY APPROVAL BOX

RECORD OWNER'S CONSENT NOTE:

RECORD OWNER'S SIGNATURE

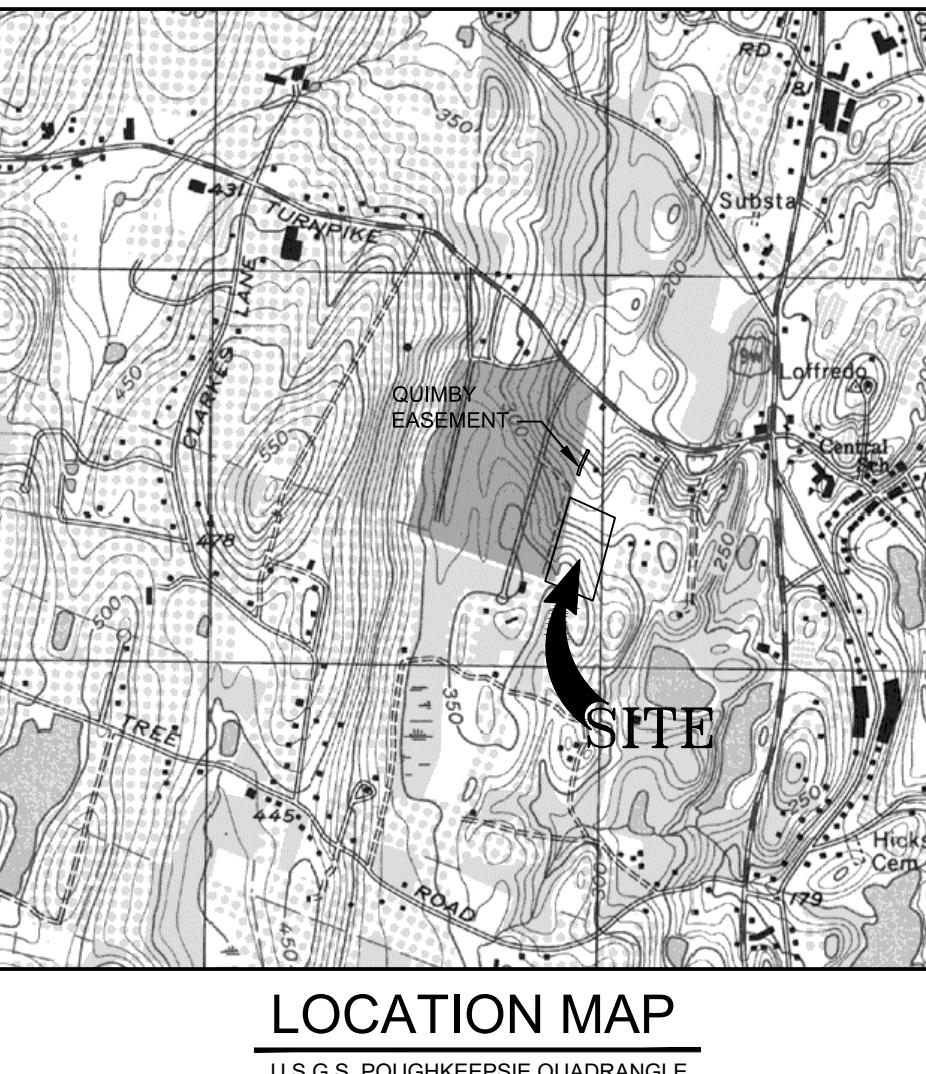
DOUGLAS SMITH
PO BOX 452
MARLBORO, NY 12542

DRAWING STATUS		ISSUE DATE: 03/10/20		
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		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>				



ENGINEERING & SURVEYING PROPERTIES  Achieving Successful Results with Innovative Designs		71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899
REALTY SUBDIVISION		
SMITH SUBDIVISION FIRST STREET TOWN OF MARLBOROUGH ULSTER COUNTY, NEW YORK		
#: 1022.06	DRAWN BY: BDB	RS-1
E: 08/25/18	SCALE: 1" = 50'	
ISION: 6 - 03/10/20	TAX LOT: 103.1-4-47.13	

FILED MAP SHEET 1 OF 7



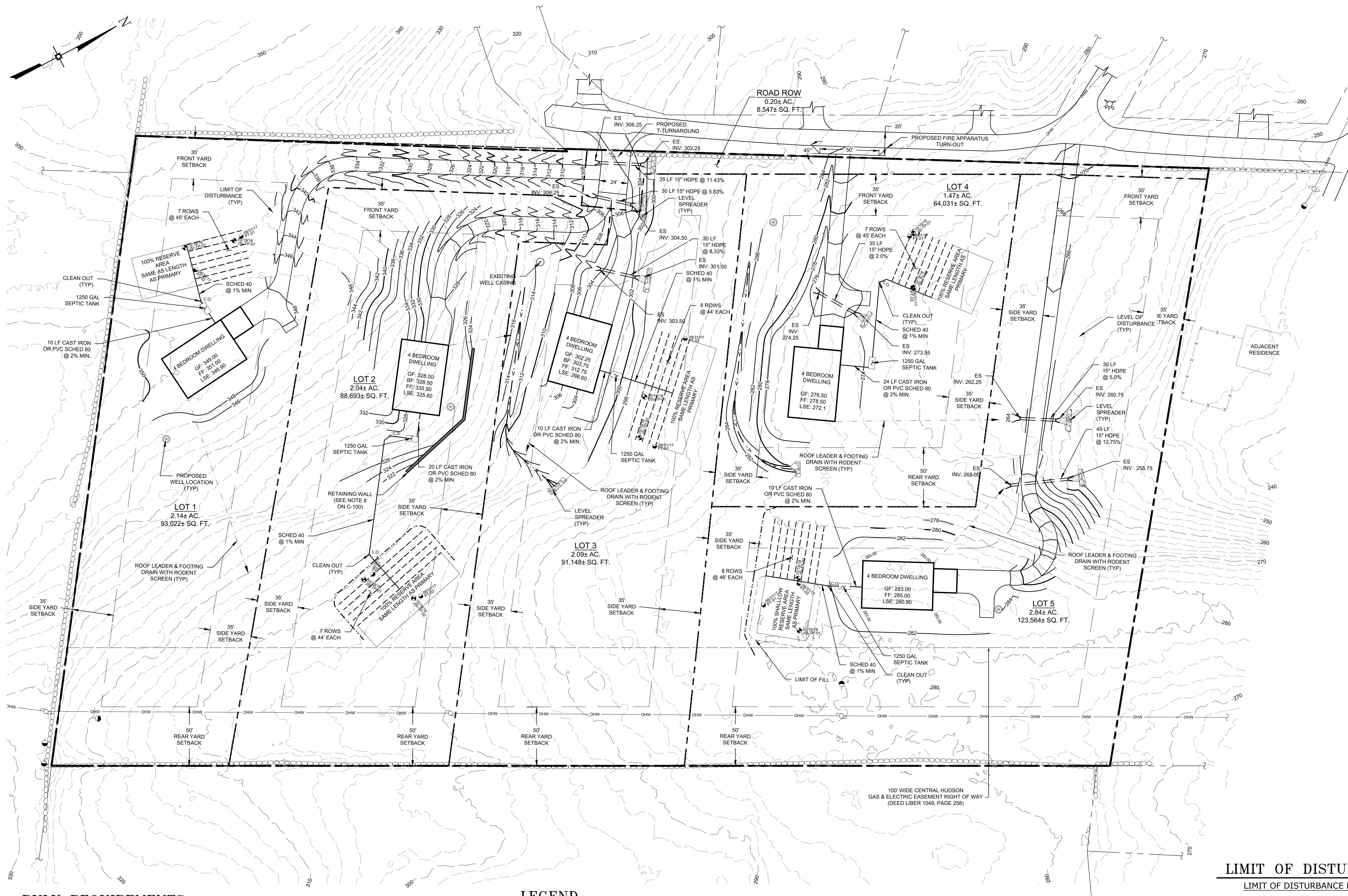
GENERAL NOTES:

1. TOTAL AREA OF SUBJECT PARCEL: 10.767± ACRES
2. PROPOSED NUMBER OF LOTS: 5
3. RECORD OWNER & APPLICANT:
DOUGLAS SMITH
PO BOX 452
MARLBORO, NY 12542
4. TAX MAP IDENTIFICATION NUMBER: SECTION 103.1, BLOCK 4, LOT 47.13
5. DEED REFERENCE:
DEED LIBER 4254, PAGE 172
6. MAP REFERENCES:
 - A. A MAP ENTITLED, "FINAL MAP PREPARED FOR ROBERT YOUNG" BY BROOKS AND BROOKS, DATED NOVEMBER 11, 1994 AND FILED IN THE OFFICE OF THE ULSTER COUNTY CLERK ON DECEMBER 2, 1994 AS MAP NUMBER 10125.
 - B. A MAP ENTITLED, "MAP SHOWING YOUNG HEIGHTS" DATED NOVEMBER 1954 AND FILED IN THE OFFICE OF THE ULSTER COUNTY CLERK ON SEPTEMBER 12, 1995 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 HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 SOURCE LIDAR. THE DEMS WERE PROVIDED BY NYS.GIS.GOV AND CORRESPOND TO ACTUAL SURVEY 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 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.
12. CERTIFICATIONS HEREON ARE NOT TRANSFERABLE.
13. 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.
14. 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.
15. 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.
16. SUBJECT TO A DRAINAGE EASEMENT OVER THE LANDS OF QUIMBY IN FAVOR OF DEAN-PAUL PROPERTIES, INC AS RECORDED IN THE OFFICE OF THE ULSTER 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.

LEGEND

BULK REQUIREMENTS

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
MAXIMUM ALLOWABLE		
BUILDING HEIGHT	2 1/2 STORIES / 35 FT	< 35 FT
BUILDING COVERAGE	20 %	< 20 %



GENERAL NOTES

1. TAX MAP IDENTIFICATION NUMBER: SECTION 103.1, BLOCK 4, LOT 47.130
2. BOUNDARY INFORMATION BASED UPON FIELD SURVEY AS PERFORMED ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMs) AS DERIVED FROM 2012 LAS. THE DEMS WERE REVERSED BY NYSGIS GIS, AND CORRESPOND TO ACTUAL SURFACE OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
3. APPLICANT/OWNER: DOUGLAS SMITH
PO BOX 368
MARLBORO, NY 12542
4. PROPOSED NUMBER OF LOTS: 5
5. ALL PROPOSED LOTS SHALL BE SERVICED BY INDIVIDUAL WELLS AND SEPTICS.
6. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS PRIOR TO CONSTRUCTION FOR ENGINEER'S REVIEW FOR WALL OVER 4'-0" IN HEIGHT.
7. A BUILDING PERMIT IS REQUIRED FOR WALLS OVER 4'-0" IN HEIGHT.
8. A WAIVER IS BEING REQUESTED OF 2.5 TO 1 LENGTH TO WIDTH RATION FOR LOTS 1 & 2 TO PERMIT 3.31 TO 1 FOR LOT 1 & TO PERMIT 3.06 TO 1 FOR LOT 2.
9. THERE SHALL BE NO FURTHER SUBDIVISION OF ANY LOT PERMITTED UNDER CURRENT ZONING.
10. SUBSEQUENT TO THE ISSUANCE OF A BUILDING PERMIT FOR ANY GIVEN LOT, BUT PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY AND/OR COMPLIANCE FOR SUCH LOT, AN "AS-BUILT" SURVEY SHALL BE PROVIDED SHOWING THE IMPROVEMENTS ON SUCH LOT AND SHOWING THAT NO PORTION OF THE SUBJECT DRIVEWAY EXCEEDS A GRADE OF 14%.

NO.	DATE	DESCRIPTION
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2	10/24/18	REVISED FOR UCDOH SUBMISSION
3	12/21/18	REVISED PER UCDOH COMMENTS 12/10/18
4	02/05/19	REVISED PER ENGINEERS COMMENTS
5	04/22/19	REVISED PER ENGINEERS COMMENTS
6	03/10/20	REVISED FOR FILING

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		03/10/2020
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	2	OF 7
<input checked="" type="checkbox"/> UCDOH REALTY SUBDIVISION APPROVAL	2	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

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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.

Unauthorized alterations or additions to this document, including 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 # 071701

40 0 20 40 80
1 inch = 40 ft.

LIMIT OF DISTURBANCE

LIMIT OF DISTURBANCE PER LOT

LOT 1: ± 27,723 SF / 0.636 AC
LOT 2: ± 34,545 SF / 0.793 AC
LOT 3: ± 33,350 SF / 0.766 AC
LOT 4: ± 33,206 SF / 0.763 AC
LOT 5: ± 42,074 SF / 0.966 AC

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	± 93,022 SF	± 88,693 SF	± 94,148 SF	± 64,031 SF	± 123,564 SF
LOT WIDTH	150 FEET	162.2 FEET	160.5 FEET	197.9 FEET	225.9 FEET	360 FEET
LOT DEPTH	200 FEET	537.5 FEET	490.7 FEET	443 FEET	281.5 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	50.6/441.3 FEET	61.1/362.2 FEET	54.8/7209.6 FEET	132.6/289.2 FEET
MAXIMUM ALLOWABLE	35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT
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

LEGEND

	BUILDING LINE
	BUILDING GARAGE LINE
	BUILDING ROOF LINE
	EXISTING BUILDING LINE
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	EDGE OF PAVEMENT LINE
	SEPTIC SYSTEM LOCATION
	BUILDING SETBACK LINES
	DRIVEWAY LINE
	PROPERTY LINE
	EXISTING OVERHEAD WIRE
	ADJACENT PROPERTY LINE
	WALL LINE (HATCH 135)

PROPOSED WELL LOCATION
FIRE HYDRANT
UTILITY POLE

PROPOSED HOUSE FOOTPRINT (40'X60')

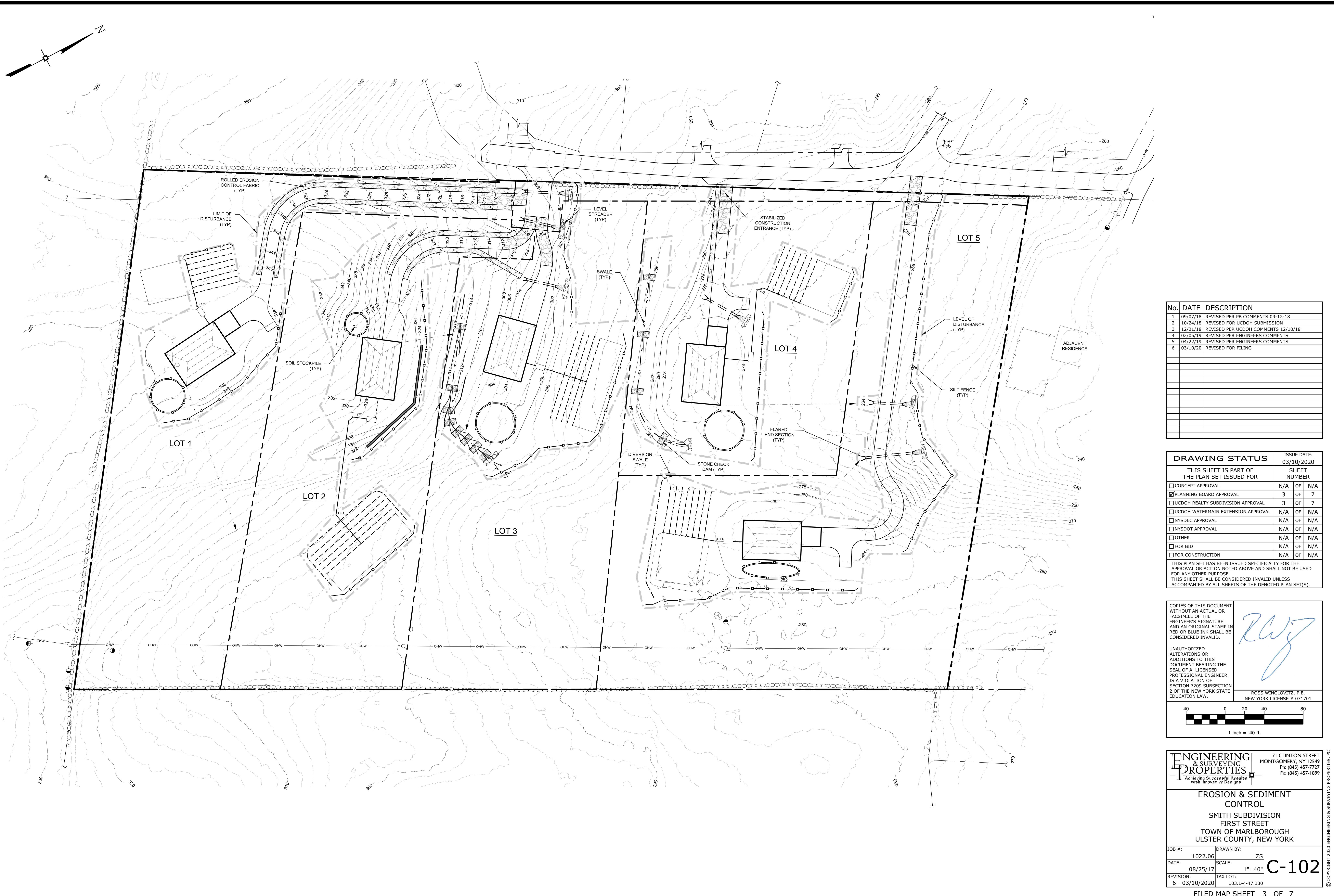
PROPOSED GARAGE FOOTPRINT (20'X20')

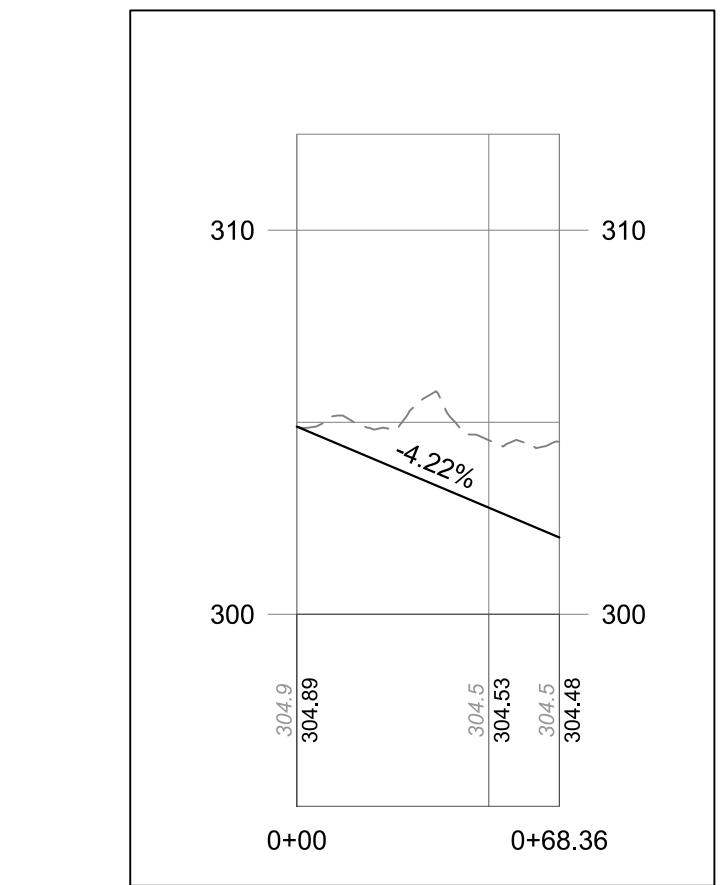
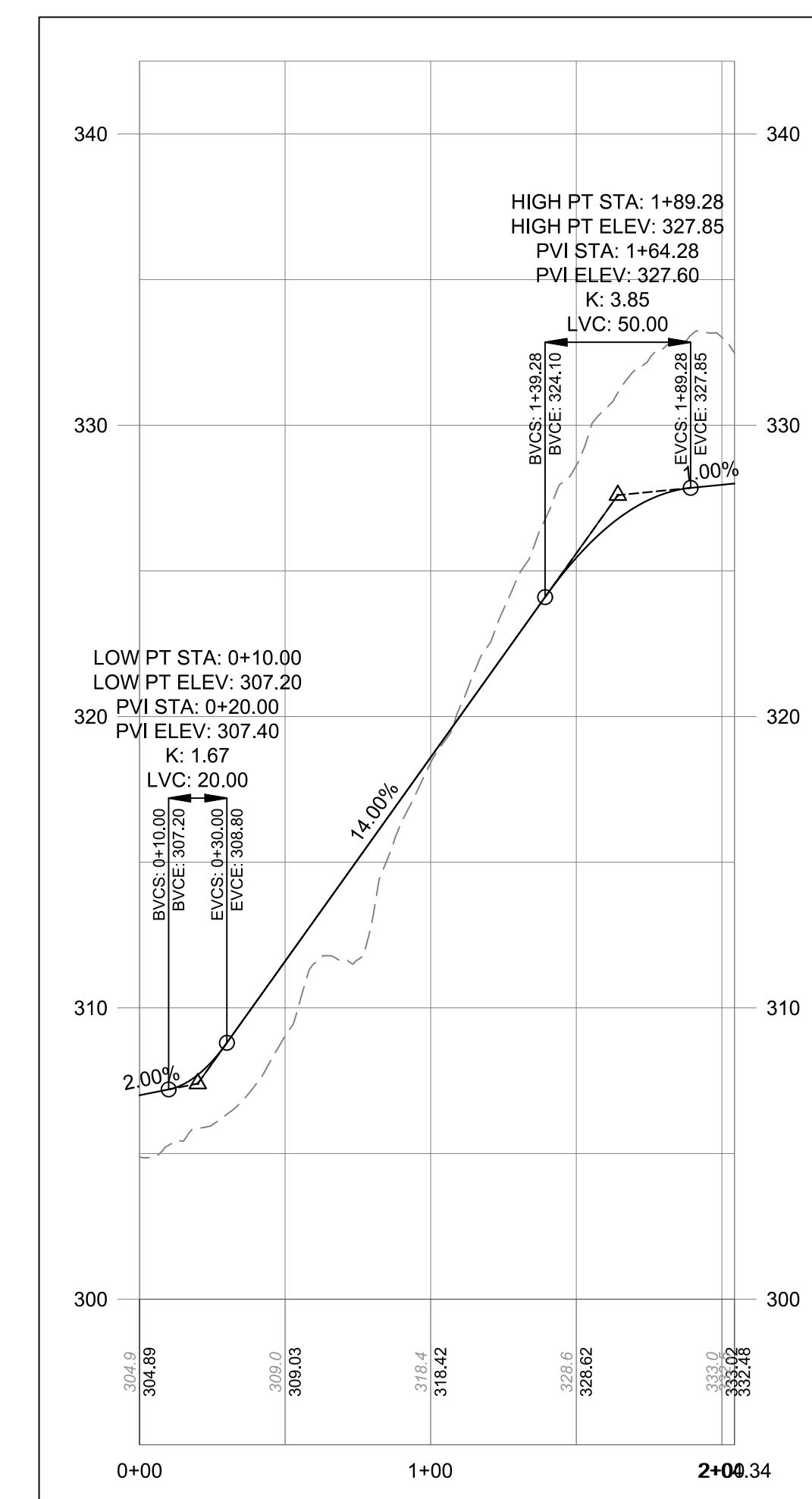
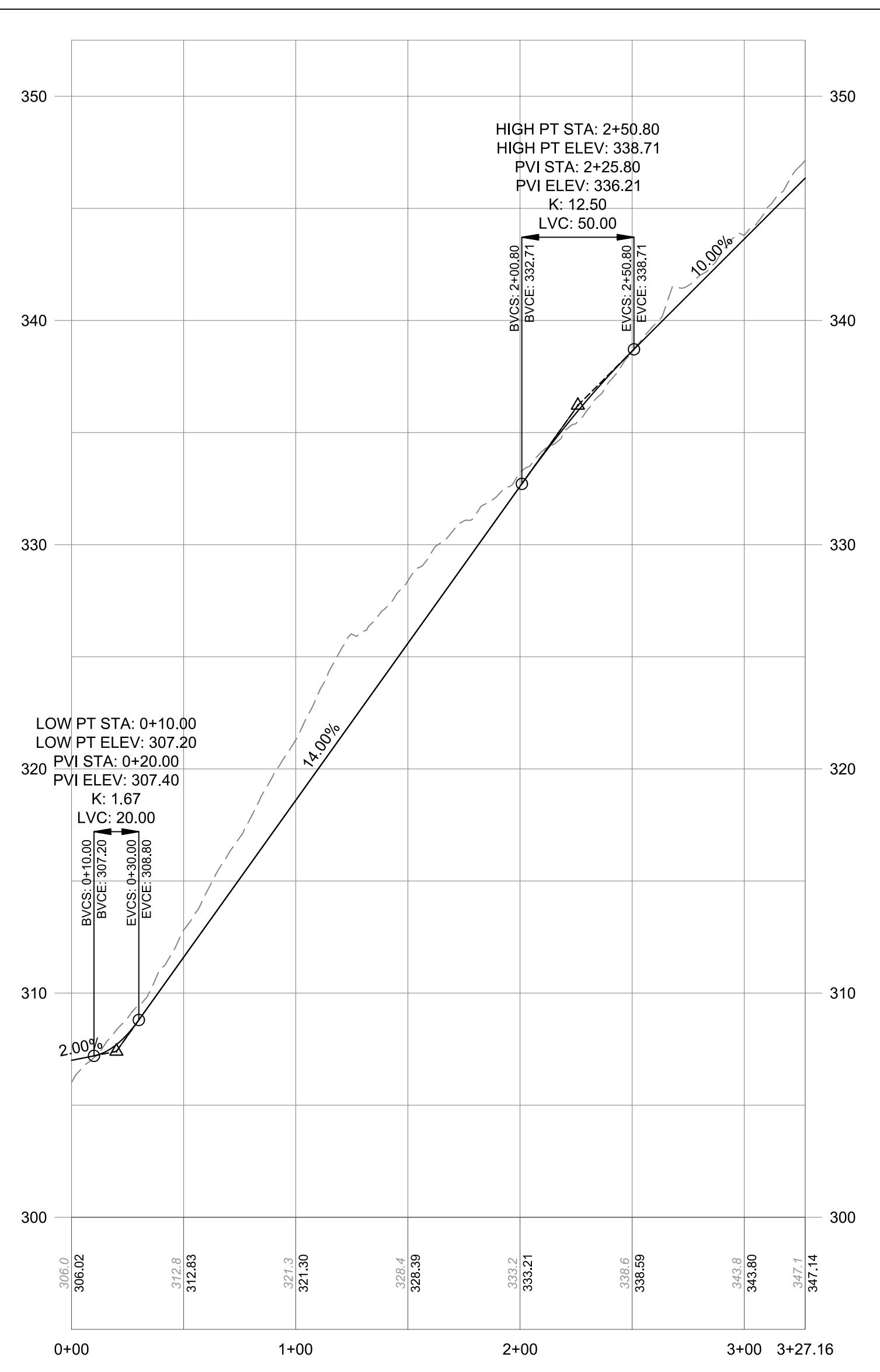
71 CLINTON STREET
MONTGOMERY, NY 12549
Ph: (845) 457-7777
Fx: (845) 457-1899

SUBDIVISION PLAN

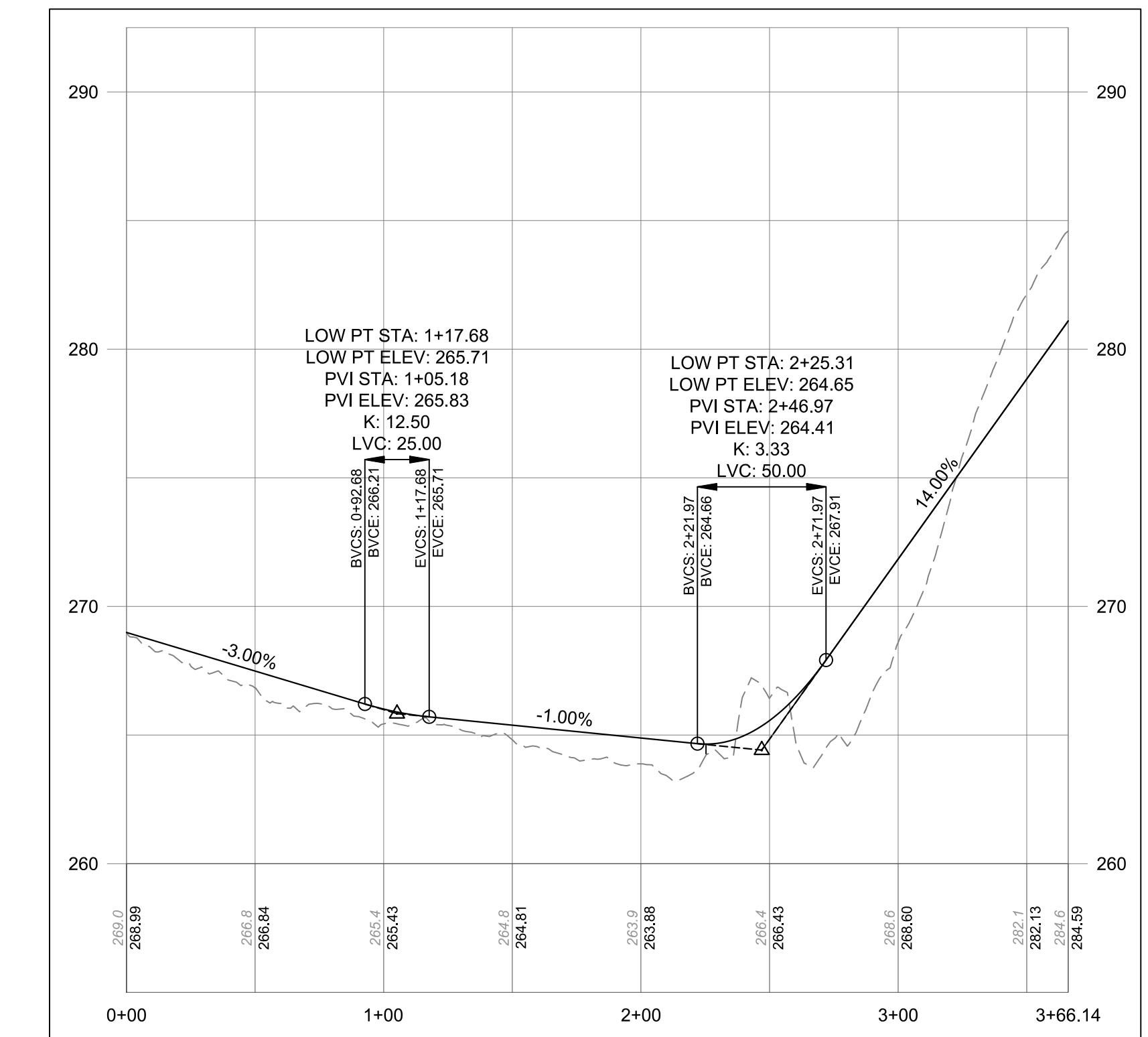
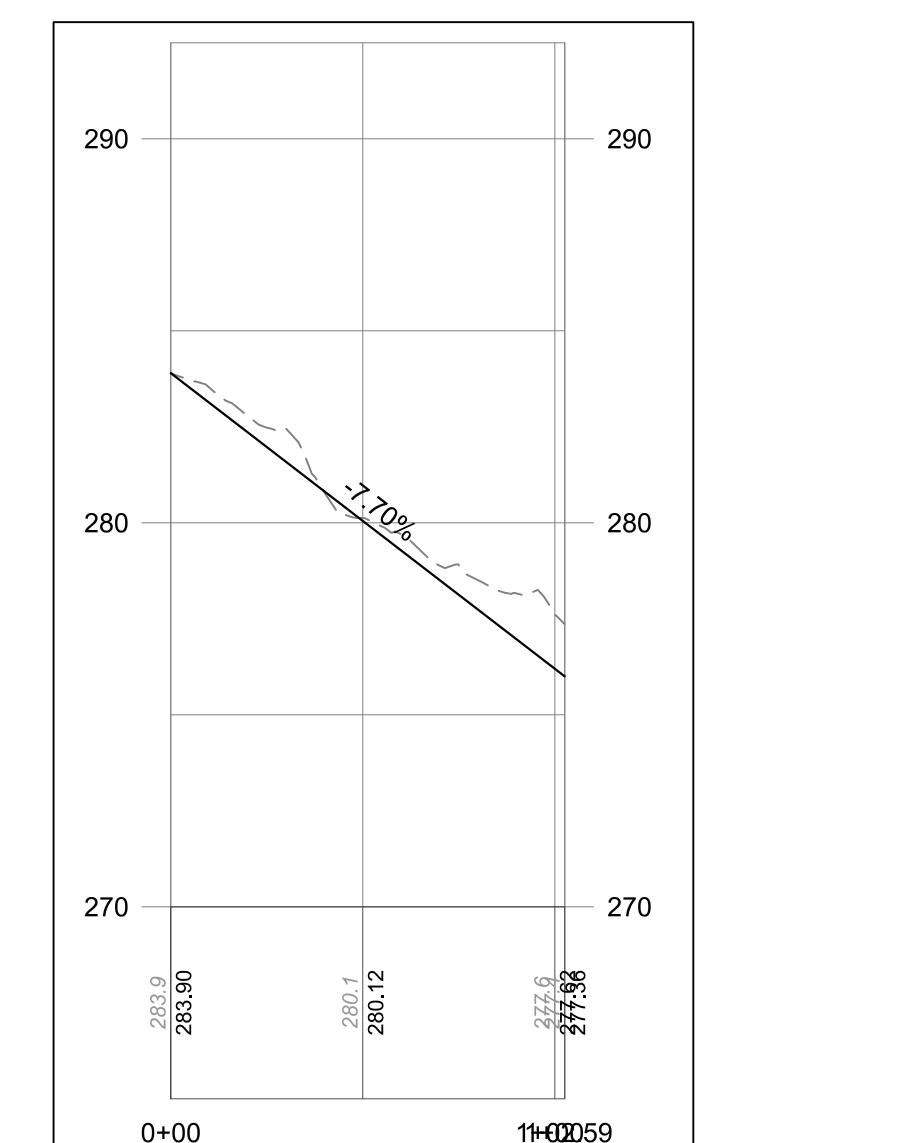
JOB #:	DRAWN BY:
1022.06	ZS
DATE: 08/25/17	SCALE: 1"=40'
REVISION: 6 - 03/10/2020	TAX LOT: 103.1-4-47.130

C-101



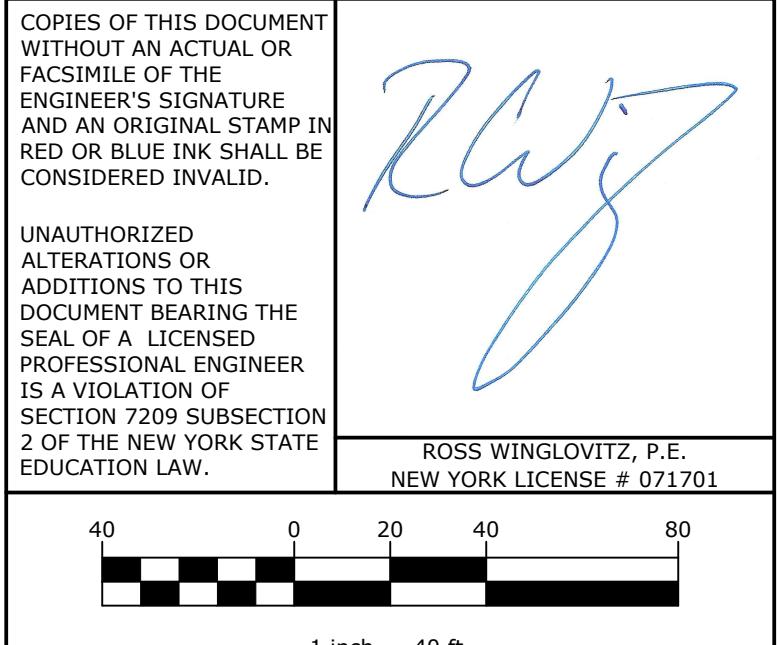


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1	09/07/18	REVISED PER PB COMMENTS 09-12-18
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4	02/05/19	REVISED PER ENGINEERS COMMENTS
5	04/22/19	REVISED PER ENGINEERS COMMENTS
6	03/10/20	REVISED FOR FILING



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<input type="checkbox"/>	CONCEPT APPROVAL	N/A OF N/A
<input checked="" type="checkbox"/>	PLANNING BOARD APPROVAL	4 OF 7
<input type="checkbox"/>	UCDOH REALTY SUBDIVISION APPROVAL	4 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

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71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899	DRIVEWAY PROFILES
SMITH SUBDIVISION FIRST STREET TOWN OF MARLBOROUGH ULSTER COUNTY, NEW YORK	
JOB #: 1022.06 DRAWN BY: ZS DATE: 08/25/17 SCALE: 1"=40' REVISION: 6 - 03/10/2020 TAX LOT: 103.1-4-47.130	C-103

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

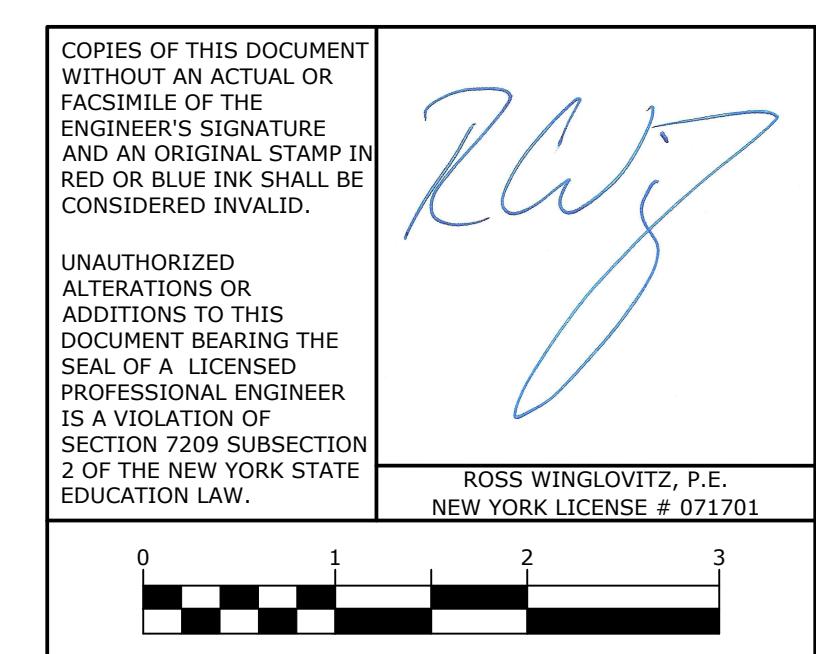
DEEP TEST HOLE RESULTS

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 SILT LOAM NO BEDROCK, NO GROUNDWATER, NO MOTTLING
4	JSI TP 1	10/19/18	0"-6" 6"-43" 43"-66"	TOPSOIL SILTY LOAM GRAVELLY SILT 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 SILT LOAM NO BEDROCK, SEEPAGE @ 50", NO MOTTLING
5	JSI TP 1	10/19/18	0"-6" 6"-21" 21"-70"	TOPSOIL SILTY LOAM RIPPLE 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

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

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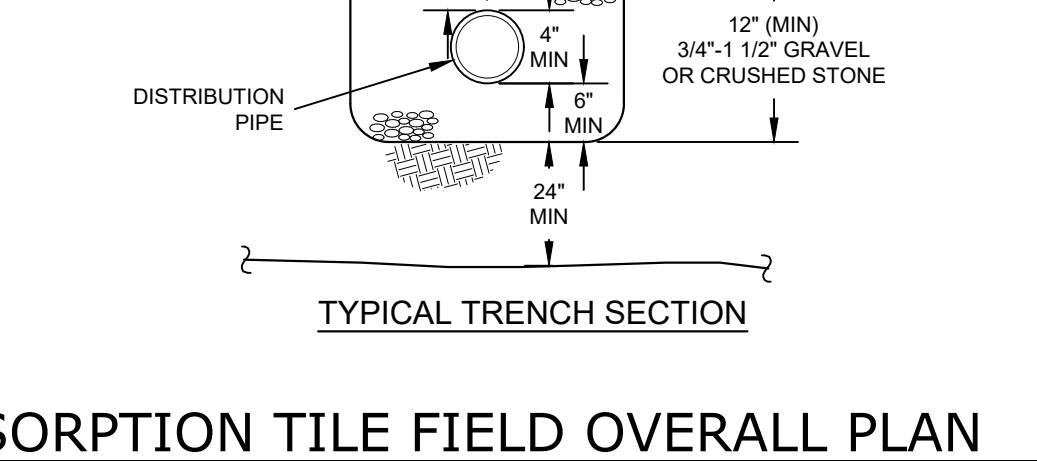
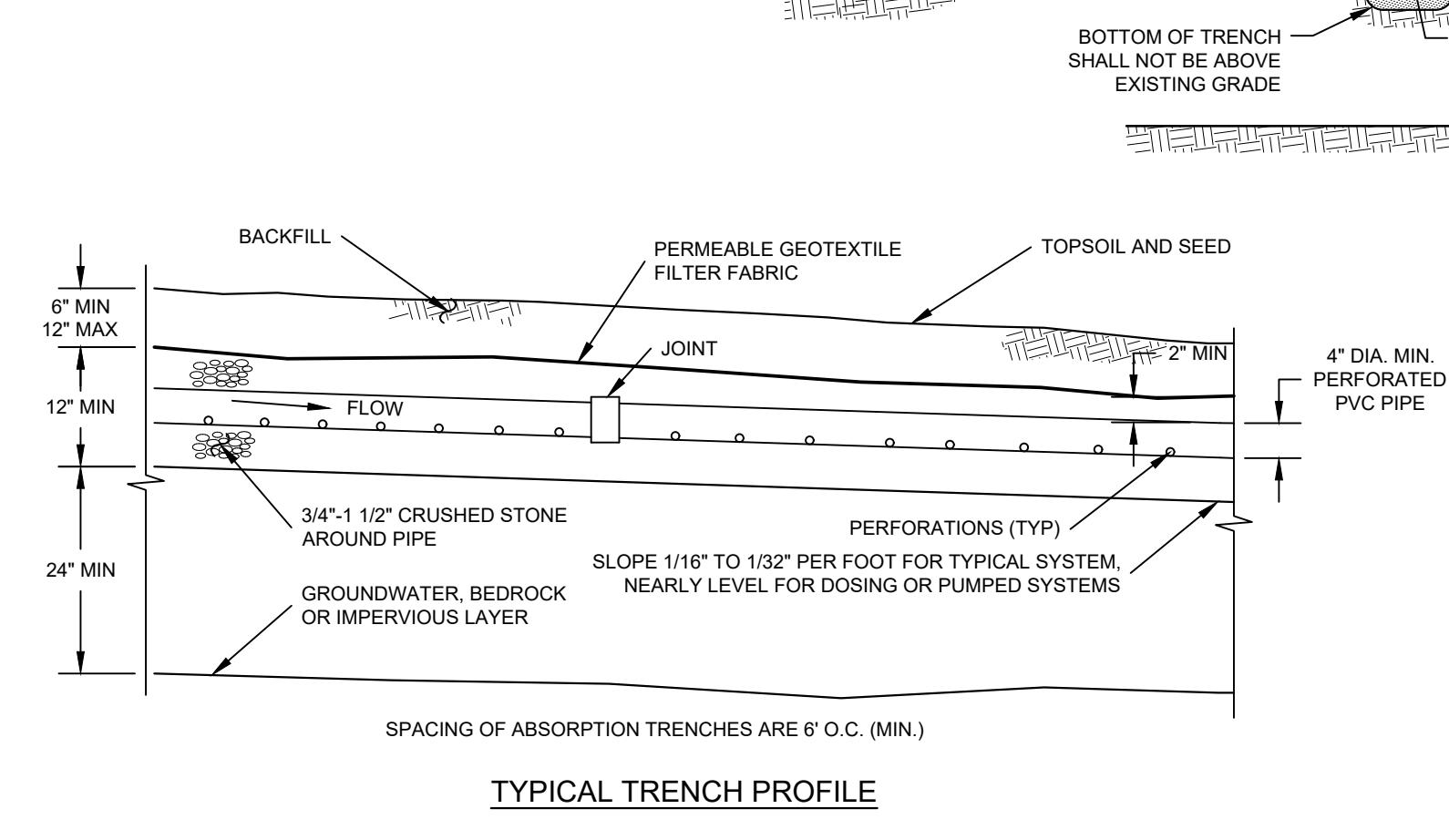
ENGINEERING & SURVEYING PROPERTIES
Achieving Successful Results with Innovative Design®

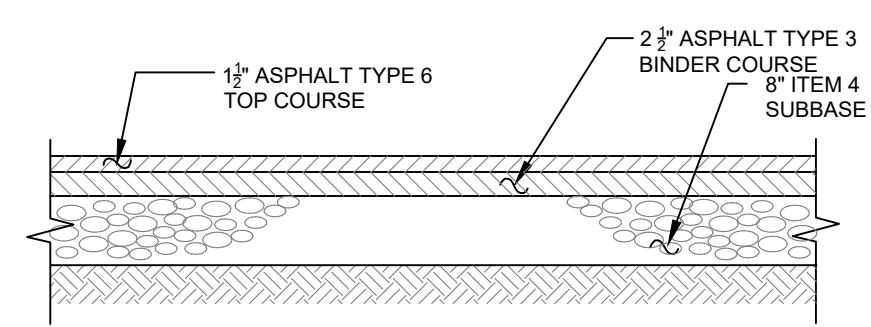
SOIL TESTING RESULTS & DETAILS

SMITH SUBDIVISION
FIRST STREET
TOWN MARLBOROUGH
ULSTER COUNTY, NEW YORK

JOB #: 1022.06 DRAWN BY: ZS
DATE: 08/24/17 SCALE: AS SHOWN
REVISION: 6 - 03/10/2020 TAX LOT: 103.1-4-47.130
C-201

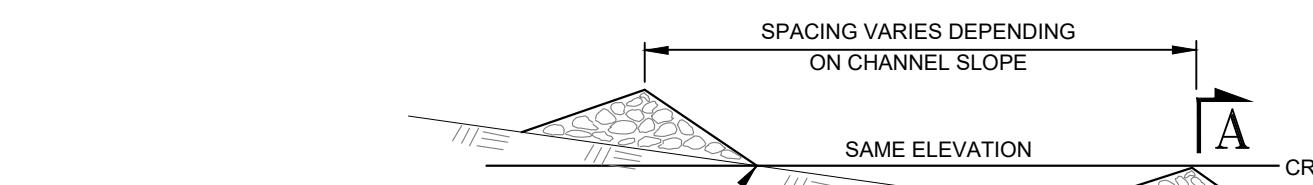
FILED MAP SHEET 5 OF 7





TOWN ROADWAY PAVEMENT SECTION

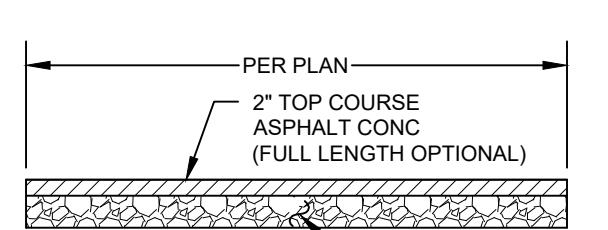
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SPACING VARIES DEPENDING ON CHANNEL SLOPE
SAME ELEVATION
TOE
CREST

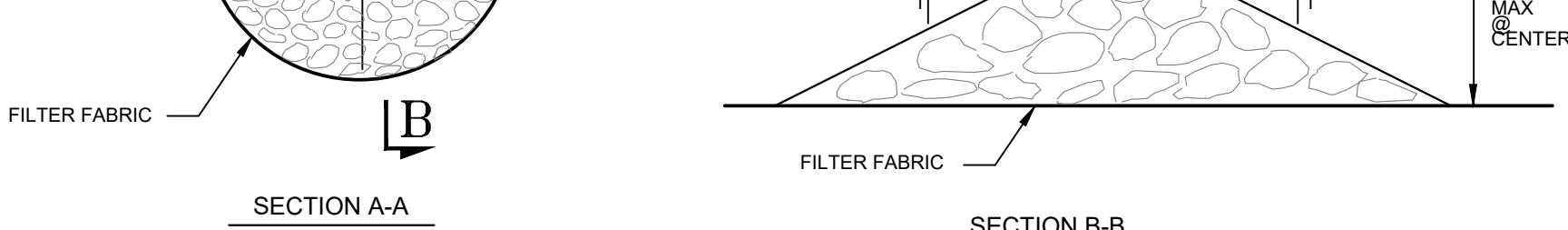
PROFILE

A



DRIVEWAY CROSS-SECTION

SCALE: N.T.S.

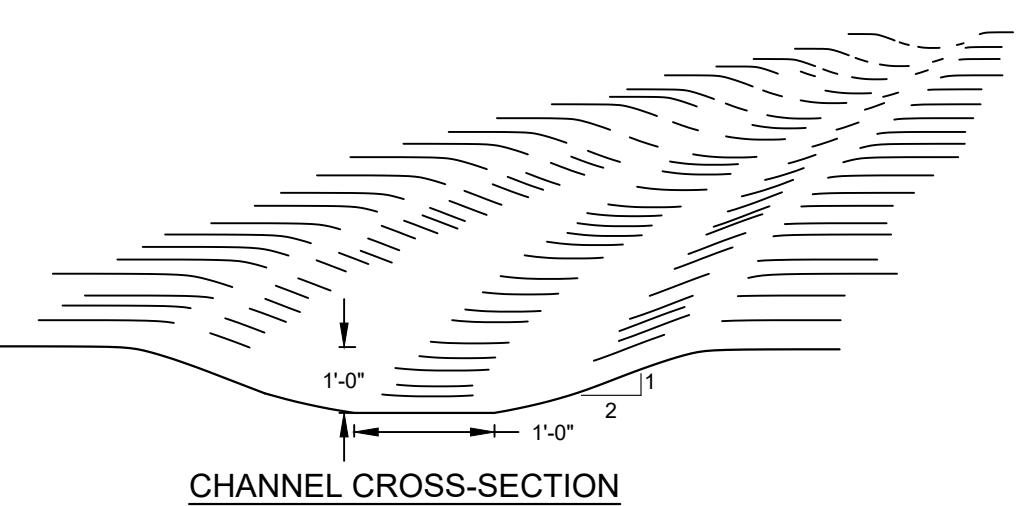


CONSTRUCTION SPECIFICATIONS:

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.

STONE CHECK DAM

SCALE: NTS



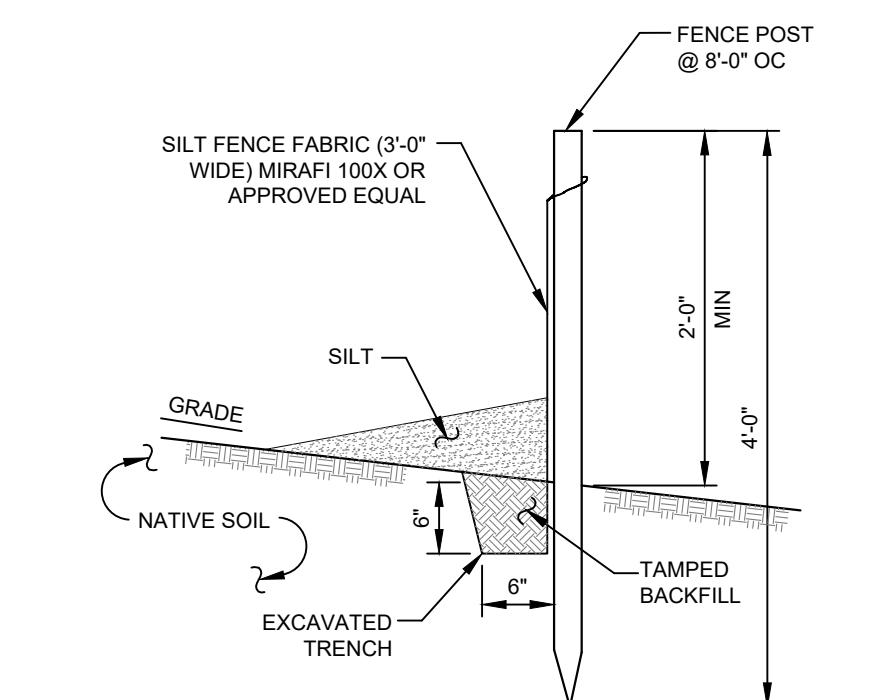
CHANNEL CROSS-SECTION

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 IRRREGULARITIES 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 COMPAKTED AS NEEDED IN CONSTRUCTION TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED WATERWAY.
5. WATERWAY SHALL BE SEADED AND STABILIZED JUTE OR EXCELSIOR MATTING UNTIL THE VEGETATION IS ESTABLISHED.

GRASSED SWALE

SCALE: N.T.S.

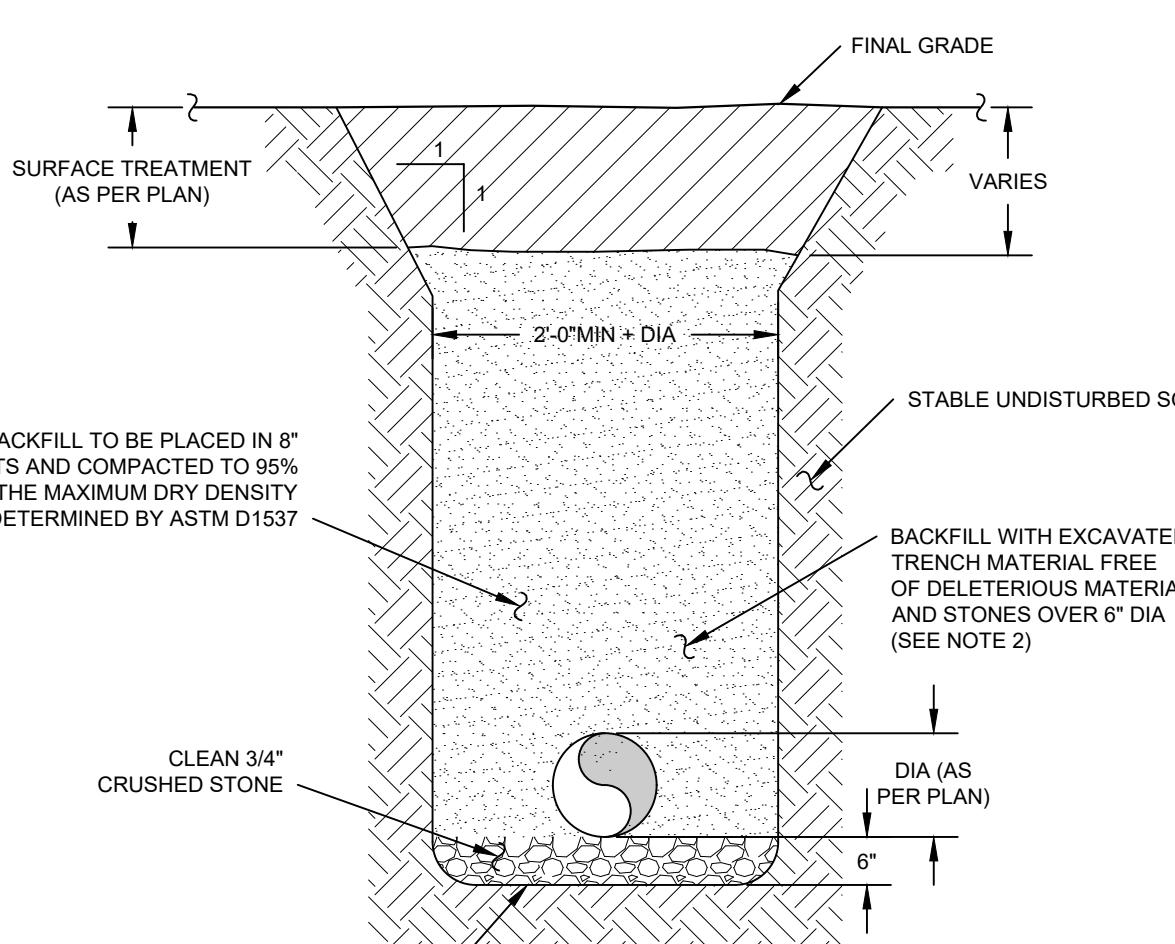


NOTES:

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.

SILT FENCE

SCALE: NTS

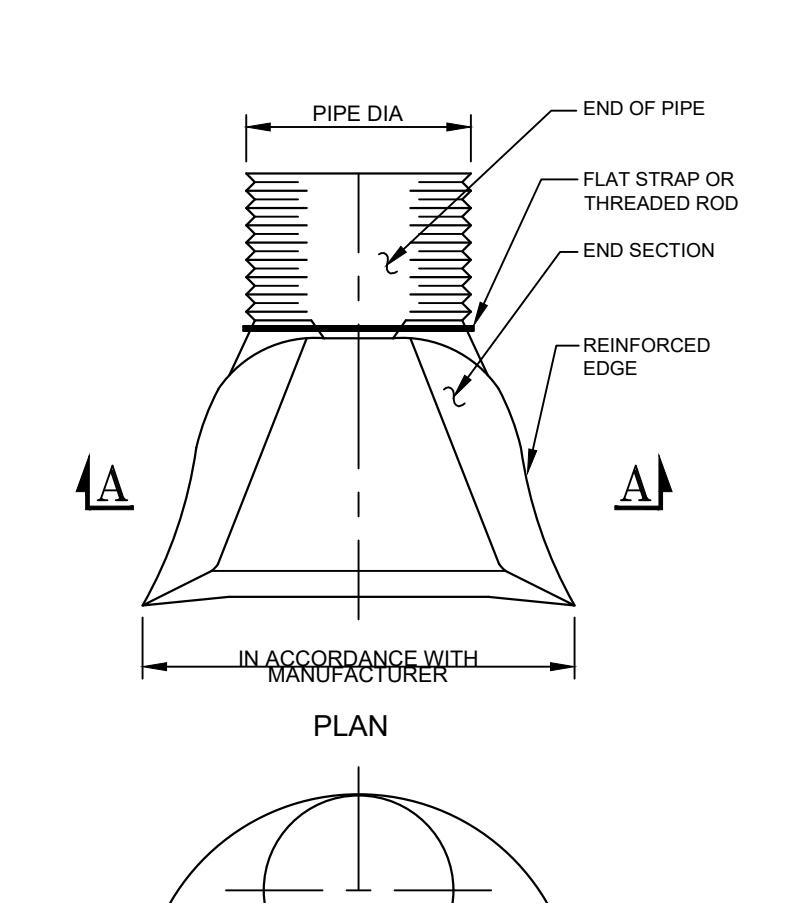


NOTES:

1. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC. SHALL BE WITH R.O.B. GRAVEL (NYSDOT SPEC) FOR THE FULL DEPTH OF THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPAKTED 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.

DRAINAGE PIPE TRENCH

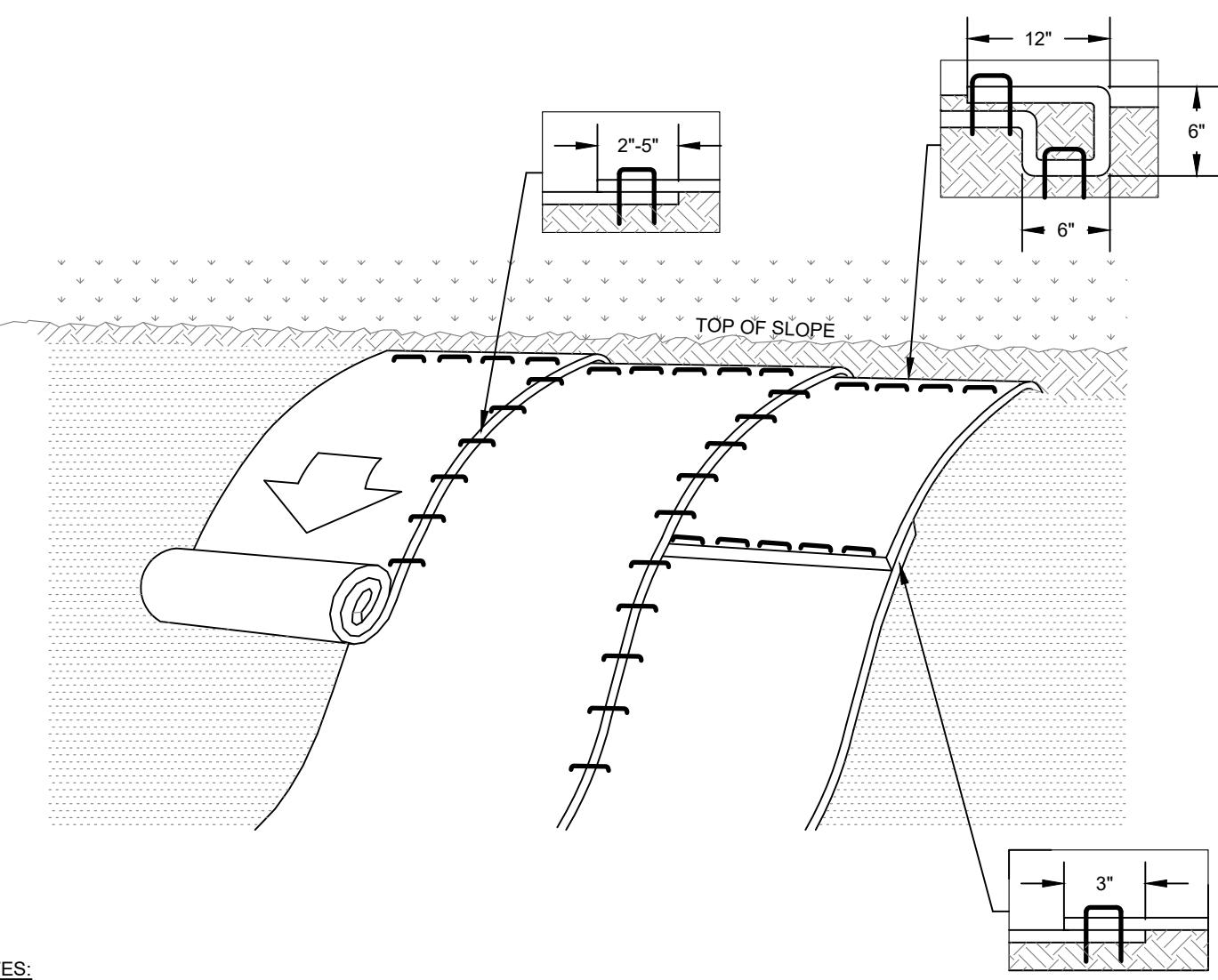
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NOTE: RIP-RAP TO BE PROVIDED AT THE END OF THE FLARED END SECTION AS PER PLANS.

FLARED END SECTION

SCALE: NTS

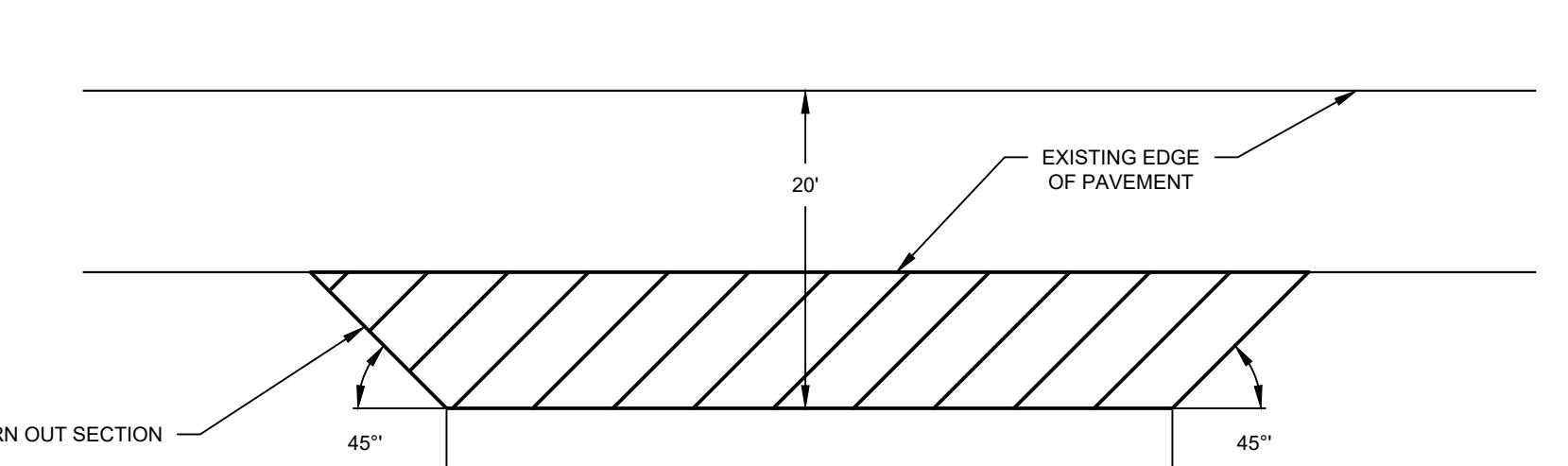


NOTES:

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 BINETON S150BN OR APPROVED EQUAL. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP BY 6' WIDE TRENCH APPROXIMATELY 12' OF RECP'S EXTENDED BEYOND THE TOP OF THE TRENCH. STAPLE 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 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 PRODUCT'S 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 (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12' APART ACROSS THE ENTIRE RECP'S WIDTH.

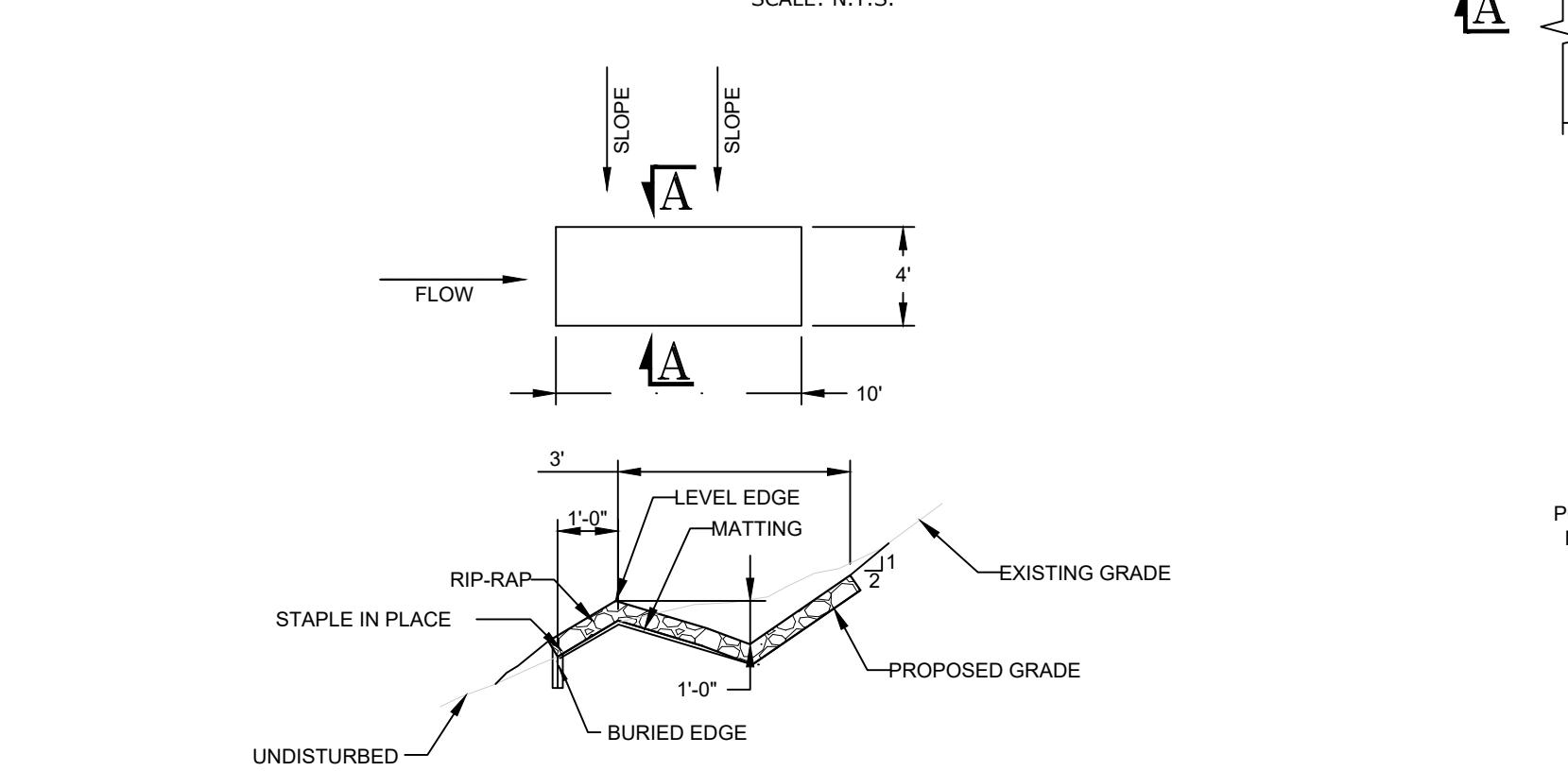
SLOPE STABILIZATION (ROLLED EROSION CONTROL PRODUCT)

SCALE: NTS



TURN OUT SECTION

SCALE: N.T.S.



CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4'-FT. WIDE EXTEING 2'-0" OVER THE LIP AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOIL 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.

LEVEL FLOW DISSIPATER

SCALE: NTS

SECTION A-A

EROSION & SEDIMENTATION CONTROL NOTES

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. ORANGE CONSTRUCTION FENCE LOCATIONS AROUND ALL SEPTIC SYSTEM AREAS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT THE SEPTIC AREAS. THE ORANGE CONSTRUCTION FENCING SHALL ONLY BE REMOVED AT TIME ACTUAL CONSTRUCTION OF THE SEPTIC SYSTEM.
3. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES, TEMPORARY SWALES, STONE CHECK DAMS, TEMPORARY SEDIMENT BASINS, RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING OR CONSTRUCTION OF THE PROPOSED ROADWAY OR DWELLING UNITS.
4. ALL DISTURBED AREAS SHALL BE SEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING CONSTRUCTION TO STABILIZE BARE SOIL AND PROMOTE THE RAPID RE-ESTABLISHMENT OF VEGETATION.
- 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES.
- 4.2. LIME 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 AT A RATE OF 600 LBS. PER ACRE.
- 4.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEADED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. NY GRASS (ANNUAL OR PERENNIAL) PER ACRE DURING THE FIRST 100 LBS. CERTIFIED 'ACOOSTOCK' WINTER RYE (CZEAL RYE) PER ACRE.
- 4.5. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE:

8 LBS EMPIRE BIRDSFOOT TREFOLI OR COMMON WHITE CLOVER PER ACRE PLUS
20 LBS TALL FESCUE PER ACRE PLUS
2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE

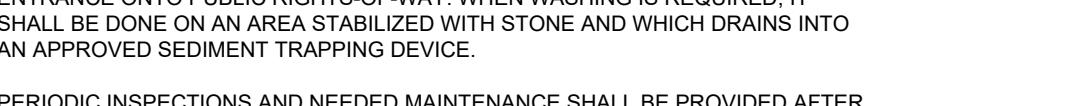
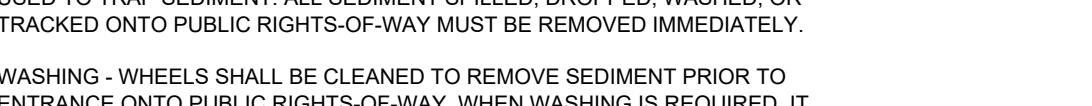
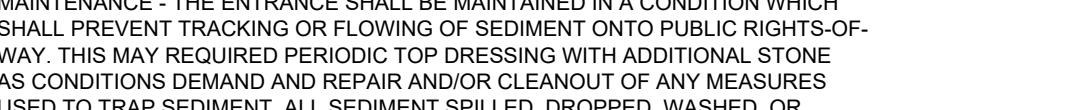
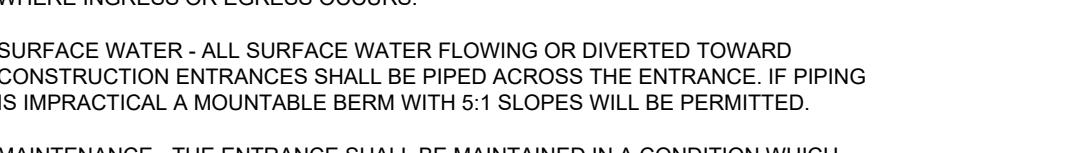
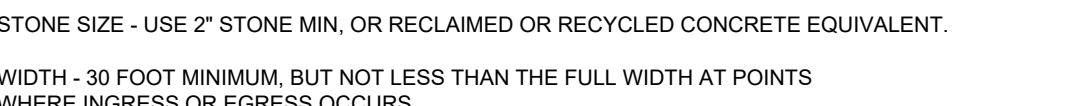
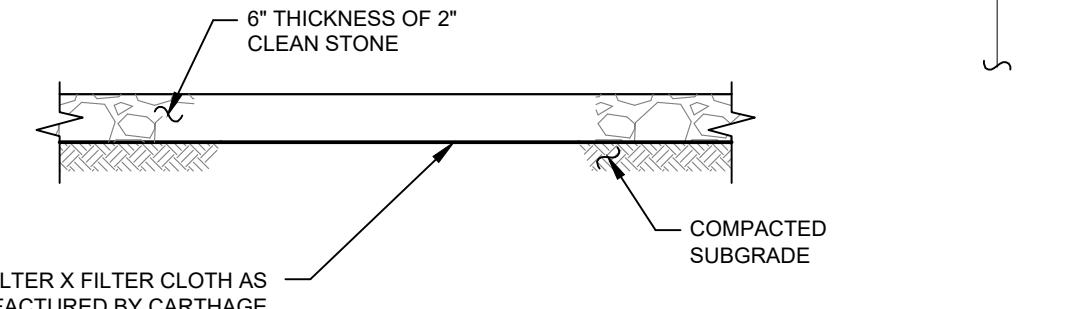
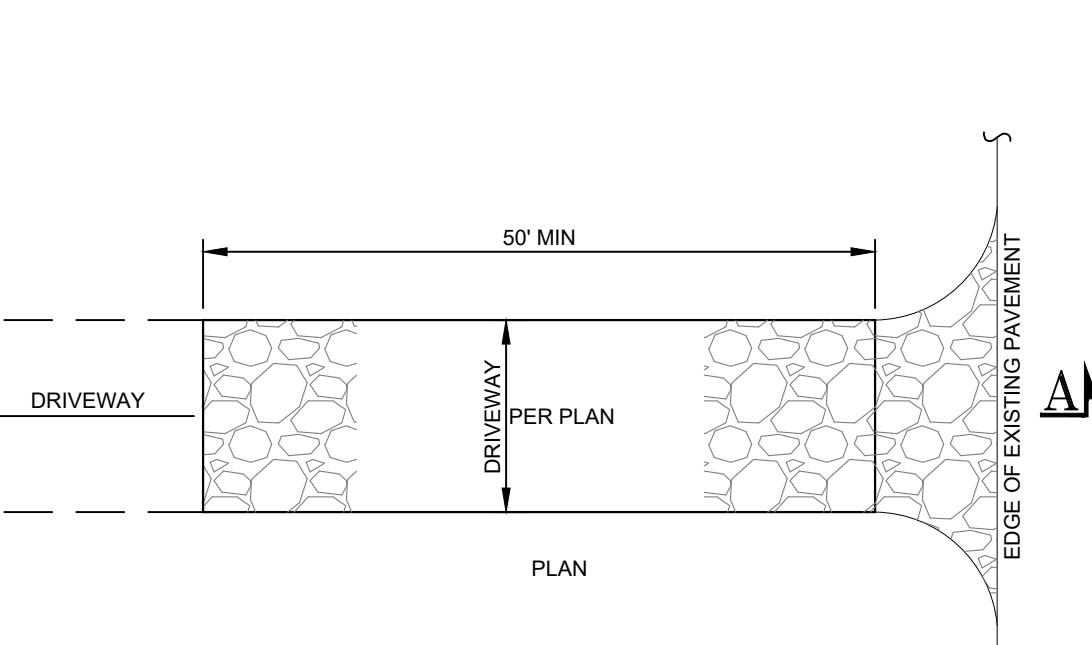
- 4.6. ALL SEAED SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING UNLESS OTHERWISE APPROVED.
- 4.7. ALL DISTURBED AREAS WHICH ARE NOT SEADED SHALL BE STABILIZED SUBSEQUENT TO SEAED BY THE HYDROSEEDING OF STRAW MULCH. STRAW MULCH SHALL BE ANCHORED BY APPLYING 150 LBS. OF WOOD FIBER MULCH PER ACRE WITH A 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 REESTABLISHED. 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, JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED STAPLE 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	IBS/ACRE
SPREADING FESCUE	30
CROWN VETCH	12
NY GRASS	25

11. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15.



NO.	DATE	DESCRIPTION
1	09/07/18	REVISED PER BB COMMENTS 09-12-18
2	10/24/18	REVISED FOR UCDOH SUBMISSION
3	12/21/18	REVISED FOR UCDOH COMMENTS 12/10/18
4	02/05/19	REVISED PER ENGINEERS COMMENTS
5	04/22/19	REVISED PER ENGINEERS COMMENTS
6	03/10/20	REVISED FOR FILING

DRAWING STATUS		ISSUE DATE: 03/10/2020
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"/>	UCDOH REALTY SUBDIVISION APPROVAL	7 OF 7
<input type="checkbox"/>	NYSDC 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