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SEDIMENTATION & SOIL EROSION SPECIFICATIONS THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

- 2. ALL CONSTRUCTION ACTIVITIES SHALL PROCEED SO THAT POLLUTION OF ANY WETLANDS, WATERCOURSES, WATERBODY, AND OR CONDUIT CARRYING WATER, ETC. DOES NOT OCCUR. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE EROSION ON THE SITE.
- 3. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. IMPLEMENTATION NOTES
- 1. THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE. ALL CONTROL MEASURES ARE TO BE MAINTAINED IN AN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL MEASURES ARE TO BE INSTALLED IF NECESSARY OR REQUIRED DURING CONSTRUCTION
- 2. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. RESTABLIZATION TO BE SCHEDULED AS SOON AS PRACTICAL.
- 3. POST AND FABRIC SILTATION BARRIERS SHALL BE INSTALLED AT THE TOE OF ALL CRITICAL CUT AND FILL SLOPES. SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED WHEN SOIL HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. 4. ALL STORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE
- DISCHARGE POINTS BECOME OPERATIONAL. 5. SEDIMENT TRAPS, IF APPLICABLE, MUST BE CLEANED WHEN CAPACITY HAS BEEN REDUCED
- BY AN AVERAGE OF 2' OVER ITS TOTAL AREA OR TO 80% OF ITS DESIGN VOLUMES, WHICHEVER OCCURS FIRST. 6. SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN AND IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- 7. FILL MATERIAL SHALL BE FREE FROM DEBRIS PERISHABLE OR COMBUSTIBLE MATERIAL AND FROZEN OR WET EARTH OR STONES LARGER THAN 6 INCHES IN MAXIMUM DIMENSION. FILL SHALL BE PLACED IN MAXIMUM 12 INCH LOOSE LIFTS AND COMPACTED TO WITHIN 90% OF THE MODIFIED PROCTOR TEST RESULT.
- 8. PAVEMENT BASE COURSE MUST BE PLACED IN ALL PROPOSED PAVEMENT AREAS UPON COMPLETION OF FINE GRADING.
- 9. PERMANENT LANDSCAPED AREAS SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS IMMEDIATELY AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE PRIOR TO PERMANENT SEEDING. 9.1. TOPSOIL PREPARATION: 9.1.1. TOPSOIL SHOULD BE A MINIMUM OF FOUR INCHES DEEP (COMPACTED) BEFORE
- SEEDING 9.1.2. HAVE TOPSOIL TESTED FOR PH, ADD LIME AS NECESSARY TO ACHIEVE PH OF 6.5. APPLY FERTILIZER AT A RATE OF 300 POUNDS PER ACRE OR SEVEN POUNDS PER 4,000 SQUARE FEET USING 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU
- OF TOP DRESSING. 9.1.3. WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF FOUR INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE ALL CLAY OR SILTY SOIL AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEED BED WHEREVER FEASIBLE.
- 9.1.4. REMOVE FROM THE SURFACE ALL STONES ONE INCH OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMP, OR OTHER UNSUITABLE MATERIAL. 9.1.5. INSPECT SEED BED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACT, THE AREA MUST BE RE-TILLED AND COMPACTED AS ABOVE.
- 9.2. SEED MIXTURE (APPLY AT A RATE OF 200 POUNDS/ACRE): 9.2.1. 10% KENTUCKY BLUEGRASS – BARON MIX 9.2.2. 20% PERENNIAL RYEGRASS
- 9.2.3. 70% TURF TYPE TALL FESCUE
- 10. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR ALL PAVED ROADWAYS ON AND OFF SITE AND MUST ENSURE THE SITE IS FREE OF SITE GENERATED SEDIMENT AT ALL TIMES. DUST SHALL BE CONTROLLED BY SPRINKLING OR ANOTHER APPROVED METHOD.
- 11. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.
- 12. WHERE DEWATERING IS NECESSARY. THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION STRUCTURE OR BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF PUMPING OPERATION CAUSES TURBIDITY PROBLEMS, THE OPERATION SHALL CEASE UNTIL FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED.
- 13. THE RESPONSIBILITY FOR: IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN, INFORMING ALL CONCERNED OF THE REQUIREMENT OF THE PLAN; NOTIFYING THE PLANNING AND ZONING COMMISSION, ITS DESIGNATED REPRESENTATIVE OF ANY TRANSFER OF RESPONSIBILITY AND SEEING THAT A COPY OF THE PLAN IS RECEIVED BY ANY SUCCESSOR IN INTEREST TO THE TITLE OF THE LAND OR ANY PORTION THEREOF IS ASSIGNED TO THE OWNER OF RECORD.
- 14. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION, WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.

GENERAL THIS SYSTEM I SOFTENING SYS DISPOSAL OR 7

- 2. THIS SYSTEM IS STATE AND LOCA 3. THE INSTALLATIO
- SUPERVISION OF 4. IT IS THE RESPO HEALTH DEPAR
- OF CONSTRUCTIO 5. ALL PIPING BET INCHES IN DIAME
 - OR SIX INCHES FOOT. MATERIALS SPIGOT) ASTM ASTM Ď 2665, DUCTILE IRON A
 - 6. ALL PIPE USED SHALL BE 4" S EQUIVALENT EQ 1/4" PER FOOT.
 - 7. STRIP AND STOC PLACING FILL. A 8. THE MAXIMUM [BELOW FINISHED CHANGES TO THI BY THE DESIGN
 - 9. SEPTIC TANK A RISERS IF THE FINISHED GRADE 10. RISER COVERS A SECONDARY
 - PROVIDED TO PR ENTRANCE 11. B&B ENGINEERIN WITH PLAN SPE SUPERVISES A
 - 12. AS-BUILT DRAW ENGINEER PRIOR 13. FINAL GRADING COMPLETION OF
 - 14. THERE ARE NO 15. THERE ARE NO WITHIN 50' OF
 - DEEP TES TESTED ON 5/19/202 DT 9-1 0"-6" TOPSOIL

6"-35" ORANGE BRO 35"–50" TAN GREY MOTTLING @ 35" COMPACTED @ 30" NO WATER LEDGE @ 50"

ROOTS @ 30" <u>DT 9-2</u> 0"-6" TOPSOIL 6"-27" ORANGE BRO 27"–52" TAN GREY ROOTS @ 27" MOTTLING @ 27" NO WATER

LEDGE @ 52" <u>DT 9-3</u> 0"-6" TOPSOIL 6"-24" ORANGE BR 24"–58" TAN GREY LEDGE @ 58" WATER @ 58" MOTTLING @ 24"

<u>DT_9-4</u> 0"-4" TOPSOIL 4"-26" ORANGE BR 26"—40" TAN GREY MOTTLING @ 26" ROOTS @ 35" LEDGE @ 40" NO WATER

<u>DT 9-5</u> 0"-3" TOPSOIL 3"-52" ORANGE BR 52"-56" COMPACTED ROOTS @ 52" NO WATER NO MOTTLING LEDGE @ 56" <u>DT 9-6</u> 0"-5" TOPSOIL 5"-28" ORANGE BRO

28"-51" COMPACTED MOTTLING @ 36" LEDGE @ 51" NO WATER ROOTS @ 24" <u>DT 9-7</u> 0"-4" TOPSOIL 4"-25" ORANGE BRO LEDGE @ 25" NO MOTTLING NO LEDGE

ROOTS @ 25" <u>DT 9-8</u> 0"-4" TOPSOIL 4"-32" ORANGE BRO 32"—36" GREY FINE LEDGE @ 36" NO WATER NO MOTTLING

ROOTS @ 32" RESTRICTIVE LAYER <u>DT 9-9</u> 0"-4" TOPSOIL 4"-28" ORANGE BR 28"-66" GREY FINE LEDGE @ 66" ROOTS @ 28" MOTTLING @ 28"

ROOTS @ 28" <u>DT 9–10</u> 0"–4" TOPSOIL 4"–32" ORANGE BRO 32"-73" TAN GREY WATER BLEEDING @ MOTTLING @ 32" LEDGE @ 73" ROOTS @ 32" <u>DT 9–11</u> 0"–4" TOPSOIL 4"–32" ORANGE BRO

32"–67" TAN GREY LEDGE @ 67" MOTTLING @ 32" WATER @ 56" ROOTS @ 36" <u>DT 9-12</u> 0"-4" TOPSOIL

ROOTS @ 54" ROOTS @ 30" NO WATER MOTTLING @ 28" RESTRICTIVE LAYER @ 28"

SEPTIC NOTES			PROPOSED SEPTIC SYSTEM							
TEM OR THE OUTFLOW FROM A GARBAGE JB IN EXCESS OF 100 GALLONS.			DESIGN DATA		FIFVATIONS		MISS			
TO BE CONSTRUCTED IN ACCORDANCE WITH ALL AL HEALTH REGULATIONS.										
ON OF THE SEPTIC SYSTEM SHA F A PROFESSIONAL ENGINEER.	ALL BE UNDER THE	SEPTIC TANK	5 1,500 GALLONS	SEPTIC TANK INLET INVERT	481.85	DEEP TEST #	9-4	9-6	9–5	
ONSIBILITY OF THE INSTALLER T IMENT AND THE ENGINEER OF R	O KEEP LOCAL ECORD INFORMED	PRIMAR	Y SYSTEM	SEPTIC TANK OUTLET INVERT	480.13	ELEVATION	478.6'	479.0'	473.7'	
WEEN HOUSE AND SEPTIC TANK	SHALL BE FOUR	E.L.A. REQUIRED	E LESS THAN 10.0 MIN/INCH 742.5 SF	D-BOX 1 INLET INVERT	480.03 479.93	AVERAGE	26" (26"+36")/	36" 2=31";(31"+5	52" 2")/2=41.5"	
LIER WITH A MINIMUM SLOPE O IN DIAMETER WITH A MINIMUM S .S MAY BE CAST IRON (HUBLES	SLOPE OF 1/8" PER SLOPE OF 1/8" PER S OR BELL AND	LEACHING SYSTEM (LF)	GST 6212 (76 LF)	INVERT ROW I WEST			HYDRAULIC F	ACTOR (HF)		DISTRIBUTIO
A74, DUCTILE IRON ANSIA21.51, EXTRA STRENGTH PVC AWWA C ANDI A 21.51, OR PVC ASTM 7	PVC SCHEDULE 40, -900 100 PSI MIN, 1760.	E.L.A. PROVIDED	76 LF X 10.0 ELA = 760 SF			AVERAGE RESTRICTIV SLOF	DESIGN <u>E LAYER</u> PE	41	.5" 5.0%	FIF
BETWEEN THE SEPTIC TANK AN DR-35 PVC PIPE WITH WATERTI	ID LEACHING AREA GHT JOINTS OR	RESERV	E SYSTEM	-		DESIGN HYDRA	JLIC FACTOR		16	
UAL. PIPE SHALL BE SET ON A CKPILE TOPSOIL AND REMOVE B	MINIMUM SLOPE OF	E.L.A. PROVIDED	GST 6224 (42 LF) 42 LF X 18.1 ELA = 760.2 SF	-		PERCOLATI	ERCOLATION DN RATE COLATION	FACTOR (PF)	10.1 MIN/INCH	
DEPTH OF THE BOTTOM OF A LE O GRADE SHALL BE EIGHT (8) F HE PROPOSED FINISH GRADE MU	EACHING SYSTEM EET. ANY FIELD IST BE APPROVED	48	82			# OF BED	FLOW FAC	TOR (FF) 6 BEL 675 =	DROOMS	
CCESS SHALL BE OUTFITTED WI TOP OF THE TANK IS DEEPER T	TH 24" DIAMETER TH 12" FROM	4	.81	GRADE GEOMATRIX GST		MINIMUM LI M.L.S	EACHING SYS	300 TEM SPREAD (HF) x (16 x 10	(M.L.S.S.) PF) x (FF)	
SHALL BE A MINIMUM WEIGHT O SAFETY LID AND LOCK SYSTEM REVENT UNAUTHORIZED AND UN	F 59 POUNDS OR SHALL BE ISUPERVISED	48	80	SELECT FILL (SEE NOTE)	_	M.L.S.S. R ML.S.S. PI		36.0 71.	x 2:20 =) LF 8 LF	
NG ASSUMES NO RESPONSIBILIT CIFICATIONS UNLESS B&B ENGIN L PHASES OF THE INSTALLATION	Y FOR COMPLIANCE IEERING I.	4	79		_					
ING TO BE PREPARED BY PROF TO BACKFILLING.	ESSIONAL	41			_			DNCRE	IE GAL	LLEY F
AS-BUILT DRAWING.		4	77		_					
STORM WATER DRAINAGE INFILT THE PROPOSED SEPTIC SYSTEM.	RATION SYSTEMS	4	76		_			SE MM		WANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
TS	PERCOLA	TION TESTS	EXISTING			PREC/ MORTAR	AST CONCRETE			
022 BY B&B ENGINEERING	TEST DEPTH 24" BI P-1 MEASURE 9:07 6.5" 0:17 8 5"	ELOW GRADE 4 EMENT CHANGE	75 APPROXIMATE DEPTH OF							24"
COWN SANDY LOAM SAND WITH COBBLES	9:1/ 8.5 9:27 10.2 9:37 11.5	2.0 25" 1.75" 4 0" 1.25"	2.0" 1.75" 474 1.25" 1.05"							
	9:47 12.7 9:57 13.7 10:07 14.7	75 1.25 75" 1.0" 75" 1.0" 4 ⁻	73				EXIS P	TING PRECAST ORT LOCATION		CONC
	THE MINIMUM OBSE RATE IS 1" DROP II	RVED PERCOLATION N 10.0 MINUTES	APPROXIMATE							GALI SYS (SEE D
ROWN SANDY LOAM ' SAND WITH COBBLES	TEST DEPTH 24" Bi P-1 MEASURE 9:09 7.25	ELOW GRADE EMENT <u>CHANGE</u> 4 5" –	72 0 20	40	60					
	9:19 10.5 9:29 11.7 9:39 13.0	5" 3.25" "5" 1.25")" 1.25"	CROSS - SI	ECTION 'A -	A'					
	9:49 14.2 9:59 15.3	25" 1.25" 375" 1.125" 275" 1.0"	SCALE: HORI	Z.1"=20'; VERT.1"=2'		<u>NOTES</u> 1. SEE	PLAN FOR LO	CATION OF MA	NHOLES. IN GEN	IERAL THE A
COWN SANDY LOAM	THE MINIMUM OBSE RATE IS 1" DROP II	RVED PERCOLATION N 10.0 MINUTES				LOC 2. MAN	ATIONS, AND I IHOLE SHALL I	N AREAS THAT BE LOCATED WH	PROVIDES ACC	ESS TO MAIN
FINE SAND AND SILT						3. IF A SCR AS	V PLASTIC COV EWED AND AT THE RISER IS	ER IS SELECTEN TACHED TO THE RATED TO HAN	D, THEN THE RI E RISER. A CON DLE THE WEIGH	SER MUST A CRETE LID IS T OF THE LID
						4. IF 1	HE PRECAST	PORT IS LOCAT	ED WITHIN 8" O	F FINISHED (
ROWN SANDY LOAM ' FINE SAND SOME SILT						5. CON PER LAN	MANENT CORN D SURVEY. M	ERS OF A STRUE EASUREMENTS	JEATE HORIZON JETURE OR OTH SHALL BE PROV	IAL MEASURI IER PERTINEN VIDED TO THE
	"SE	LECT FILL" SPEC	IFICATIONS		CON	STRUCTIC	N ENT	`RANCE	C	
	1. FILI 2. UP RET	L SHALL NOT CONTAIN ANY MA ⁻ TO 45% OF THE DRY WEIGHT C TAINED ON THE #4 SIEVE.	TERIAL LARGER THAN 3 INC OF THE SAMPLE MAY BE	CHES.	/	/				
ROWN SANDY LOAM ED GREY FINE SAND AND GRAVE	3. OF THE	THE MATERIAL THAT PASSES T	HE #4 SIEVE, IT MUST PASS	S			5	50' MIN. ———		
		SIEVE SIZE WET SIEVE	DRY SIEVE 100		wat		SQEQ.	KO-O-	280,70>	
		#10 70-100 #40 10-50 ¹	70–100 10–75		ALL				2223	St MA
ROWN SANDY LOAM	NOTES	#100 0-20 #200 0-5	0-2.5			E E E E E E		<u>SSSS</u>		WRR W
	L PEF GRE DOE	RCENT PASSING THE #40 SIEVE EATER THAN 75% IF THE PERCE ES NOT EXCEED 10% AND THE #	CAN BE INCREASED TO NO INT PASSING THE #100 SIEV #200 SIEVE DOES NOT EXCE	/E EED						303
	5%. 2. SIE	VE ANALYSIS TO BE SUBMITTED	TO THE DESIGN ENGINEER		<u>A A A A</u>	2" CRUSHED S		SA ROS	<u></u>	
ROWN SANDY LOAM	COL	NSTRUCTION.	TOKE THE START OF							
	<u>GRA</u>	ADING & DRAINA	<u>GE NOTES</u>							
		/C = POLYVINYL CHLORIDE PIPE DPE = HIGH DENSITY POLYETHYL DR = PENEORCED CONCRETE DI	(SDR-35) LENE PIPE							
ROWN SANDY LOAM SAND WITH COBBLES	MH CE	H = MANHOLE B = CATCH BASIN V = INVERT	F L							
	LF AC	 INVERT INVERT EINEAR FEET CCMP = ASPHALT COATED CORF ERCE = HORIZONTAL EURTICAL 	RUGATED METAL PIPE	F						
@ 32"	2. THE	CONTRACTOR SHALL FLUSH AN	ND CLEAN ALL EXISTING ON	-SITE STORM						
ROWN SANDY LOAM	3. THE	CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE DRAINAGE								
SAND WITH COBBLES	4. THE	PIPE LENGTHS SHOWN ARE AP	PROXIMATE.							
	5. ALL SPE	PROPOSED CATCH BASINS SHA	ALL HAVE A 2' SUMP, UNLE	SS OTHERWISE						
	6. ALL	SLOPES TO BE NO GREATER T	'HAN 3' HORIZONTAL TO 1'	VERTICAL.						
ROWN SANDY LOAM WITH SAND AND SILT WITH CO 39"	OBBLES									
OWN SANDY LOAM	ARI ES									

4"-28" ORANGE BROWN SANDY LOAM 28"-59" TAN GREY WITH SAND AND SILT WITH COBBLES

