








DRAWING STATUS		ISSUE DATE:	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		08/11/17	
		SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	2	OF	4
<input type="checkbox"/> OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCDOH 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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 <p><b>ENGINEERING &amp; SURVEYING PROPERTIES</b></p> <p><i>Achieving Successful Results with Innovative Designs</i></p>	<p>71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7772 Fx: (845) 457-1899</p>	
	<p><b>AMENDED GRADING DRAINAGE, UTILITY &amp; EROSION CONTROL PLAN</b></p>	
<p><b>SURESKY &amp; SONS 39 ELKAY DRIVE TOWN OF CHESTER ORANGE COUNTY, NEW YORK</b></p>		
<p><b>JOB #:</b></p> <p><b>DATE:</b></p> <p><b>REVISION:</b></p>	<p><b>DRAWN BY:</b></p> <p><b>SCALE:</b></p> <p><b>TAX LOT:</b></p>	<p><b>ML</b></p> <p><b>1" = 60'</b></p> <p><b>6-1-70.12</b></p> <p><b>C-2</b></p>
<p>1081.02</p> <p>07/22/15</p> <p>5 - 08/11/17</p>		





1. PRECAST CONCRETE SEPTIC TANK AS MANUFACTURED BY WOODARDS CONCRETE PRODUCTS, INC. MODEL ST 1500, OR APPROVED EQUIVALENT.
2. CONCRETE - 4000 PSI AT 28 DAYS.
3. REINFORCEMENT - 6" X 6" X 10 GAUGE 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. THE TANK SHALL BE USED AS A SANITARY TIE WITH PIPE EXTENSION TO MEET THE MSDOH REQUIREMENT FOR BAFFLE 16" BELOW LIQUID LEVEL.
7. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.

SCALE: N.T.S



## SCALE: N.T.S.

TEST HOLE #	TEST HOLE DEPTH	TEST HOLE DIA	TIME	PERCOLATION TEST RUNS (TIME FOR 1" DROP IN WATER LEVEL - STOPWATCH USED)						STABLE RATE
				FINISH						
05/13/15 P1	24"	10"	FINISH							38 MIN
			START							
			TIME	00:18:00	00:25:49	00:35:53	00:37:43			
05/13/15 P2	24"	10"	FINISH							40 MIN
			START							
			TIME	00:19:10	00:30:52	00:37:12	00:39:01			
08/18/15 P3	24"	10"	FINISH							15 MIN
			START							
			TIME	00:03:42	00:07:34	00:09:38	00:12:32	00:14:02	00:14:56	

TEST HOLE #	DATE	DEPTH	DESCRIPTION
TP-1	05/13/15	0'-4" 4'-36" 36'-96"	TOP SOIL TAN SILTY LOAM WITH COBBLE BLACK SAND NO MOTTLING, NO BEDROCK, GROUNDWATER @ 84"
TP-2	05/13/15	0'-4" 4'-42" 42'-96"	TOP SOIL TAN SILTY LOAM WITH COBBLE BLACK SAND NO MOTTLING, NO BEDROCK, GROUNDWATER @ 84"
TP-3*	08/18/15	0'-12" 12'-36" 36'-48" 48'-96"	TOP SOIL TAN SILTY LOAM TAN SILTY LOAM WITH COBBLE BLACK SAND NO MOTTLING, NO BEDROCK, GROUNDWATER @ 96"

\*NOTE: TEST WITNESSED BY TOWN ENGINEER

STABILIZE PERC RATE (min)	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED ABSORPTION FIELD LENGTH (ft)	PROPOSED ABSORPTION FIELD (ft)
40	150*	0.50	300	150	3 ROWS @ 60 LF EACH = 180'

\*NOTE: 15 GPD / EMPLOYEE. PROPOSED SYSTEM DESIGNED FOR UP TO 10 EMPLOYEES TO ALLOW FOR FUTURE EXPANSION.



1. WELL IS TO BE CASSED 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 = 150 - 600 FEET
6. THE WELL CASING TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
7. PITLESS ADAPTER AND SANITARY WELL SEAL SHALL BE MONITOR MODEL, NO 5PL-6-14-U-C, MFG BY THE BAKER MFG CO, EVANSVILLE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
8. DISCHARGE PIPE: 3/4" MIN OF TYPE "K" COPPER WATER LINE
9. 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.
10. PVC PIPE WITH O-RING JOINTS ARE REQUIRED FOR SEWAGE LINES BETWEEN 25 AND 50 FEET OF ANY WELL.
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. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS BY THE NEW YORK STATE DEPARTMENT OF HEALTH, APPENDIX 5-B, STANDARDS FOR WATER WELLS, LATEST ADDITION.
15. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE THE MINIMUM SEPARATION DISTANCES ARE MET.

## SCALE: N.T.S.



- ## 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.

- ## NOTES

1. SEPTIC TANK SHALL BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE BUILDING.
2. THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
3. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN THE VICINITY OF THE TILE FIELDS OR WELLS.
4. SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL, ARE NOT TO BE CONSTRUCTED OVER TILE FIELDS.
5. ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK AND ALL PIPES AND COVERS.
6. NO TRENCHES TO BE INSTALLED IN WET SOIL.
7. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING SAND IN ABSORPTION TRENCH.
8. GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
9. PERFORATED PIPE TO BE CAPPED AT END.
10. ABSORPTION SYSTEM TO BE LOCATED A MINIMUM DISTANCE OF 20 FEET FROM ANY BUILDING.
11. SEPTIC TANK JOINTS MUST BE SEALED AND TESTED FOR WATER TIGHTNESS.
12. PROVIDE 30" OF SOLID PIPE PRIOR TO START OF ELLEN SYSTEM AND BACKFILL WITH NATIVE MATERIAL.
13. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF HEAVY 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 UNDESIRE COMPACTATION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.

[illegible]

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<input checked="" type="checkbox"/> PRELIMINARY BOARD APPROVAL	3	OF	4
<input type="checkbox"/> OODCH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OODCH 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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NEW YORK LICENSE # 080023

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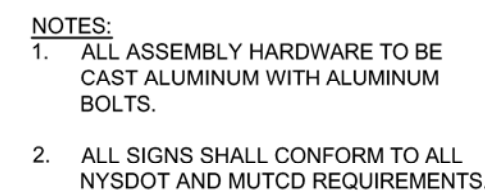
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Ph: (845) 457-7727  
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## AMENDED DETAILS

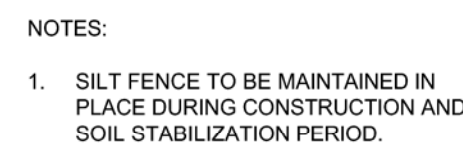
SURESKY & SONS  
39 ELKAY DRIVE  
TOWN OF CHESTER  
ORANGE COUNTY, NEW YORK

JOB #:	1081.02	DRAWN BY:	ML	C-3
DATE:	07/22/15	SCALE:	AS NOTED	
REVISION:	5 - 08/11/17	TAX LOT:	6-1-70.12	

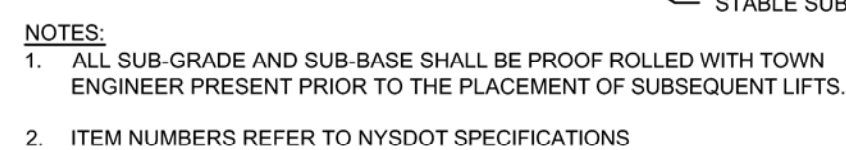




## ON-SITE SIGN SCHEDULE



SCALE: N.T.S.

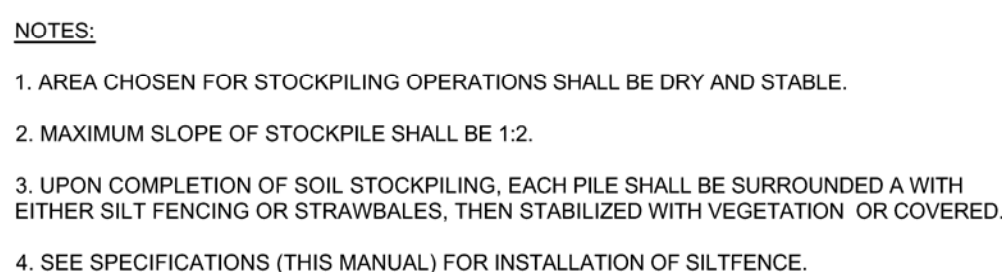


## SCALE: NTS



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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 WOULD 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. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.



SCALE: NTS



SCALE: NTS



1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
2. WIDTH - 24 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
4. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES TO TRAP SEDIMENT. TRAP SEDIMENT THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
5. ENTRANCE - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO EXITING ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERIODIC INSPECTIONS AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SCALE: NTS

SECTION A-A

SCALE: NTS



SCALE: NTS



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<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	4	OF	4
<input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
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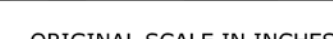
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