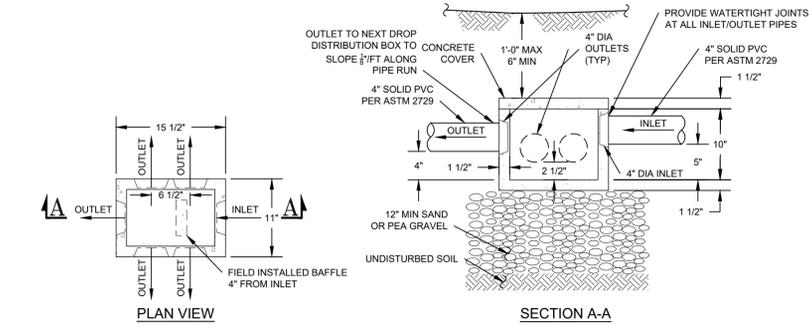


PERCOLATION TEST RESULTS

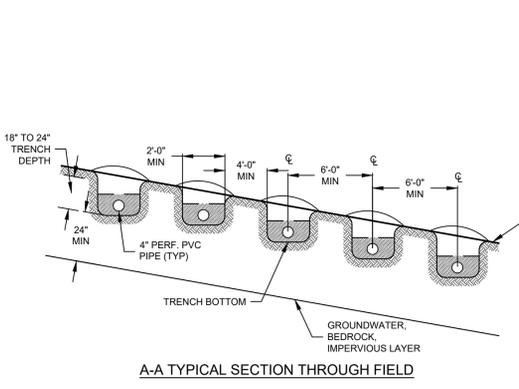
LOT #	PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	PERCOLATION TEST RUNS			STABILIZED RATE
					STOPWATCH USED FOR ALL TESTS (TIME FOR 1" DROP IN WATER LEVEL)			
2	9/21/21 PT-1	24"	8"	FINISH				7 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS			
				TIME	00:03:33	00:06:13	00:06:25	
2	9/21/21 PT-2	24"	8"	FINISH				9 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS			
				TIME	00:04:57	00:07:31	00:08:10	
3	9/21/21 PT-3	24"	8"	FINISH				2 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS			
				TIME	00:00:50	00:00:59	00:01:03	
3	9/21/21 PT-4	24"	8"	FINISH				2 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS			
				TIME	00:00:53	00:00:56	00:01:02	



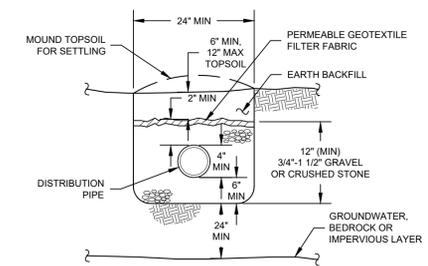
- NOTES:
- DROP BOX AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. CATALOG No. DB-6DB OR APPROVED EQUAL
 - MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
 - CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION
 - SEAL ALL JOINTS AT INLET/OUTLET PIPES ASPHALTIC MATERIAL OR EQUIVALENT
 - PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS
 - UNUSED OUTLETS TO REMAIN PLUGGED
 - DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

6 HOLE DROP DISTRIBUTION BOX

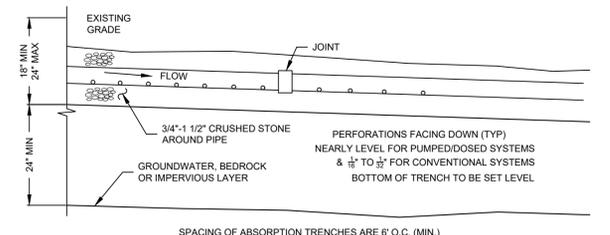
SCALE: N.T.S.



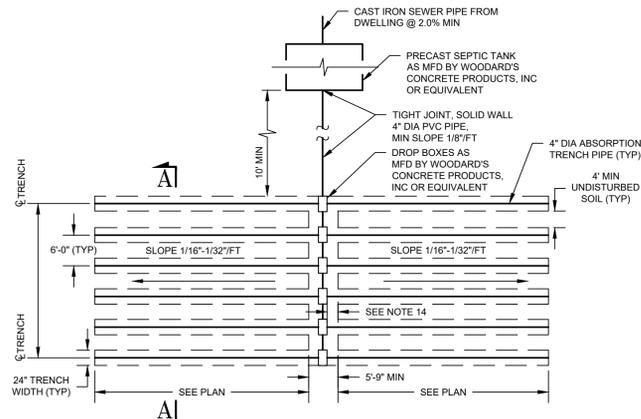
A-A TYPICAL SECTION THROUGH FIELD



TYPICAL TRENCH SECTION



TYPICAL TRENCH PROFILE



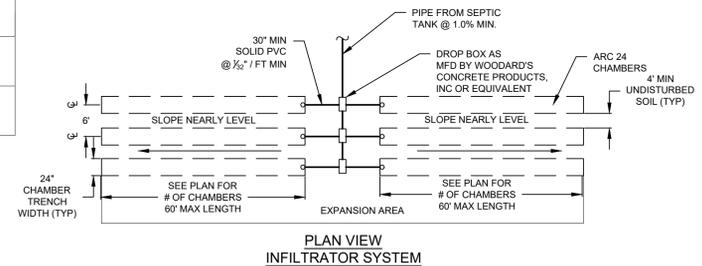
PLAN VIEW TYPICAL DROP BOX SYSTEM

SEPTIC SYSTEM DESIGN SCHEDULE

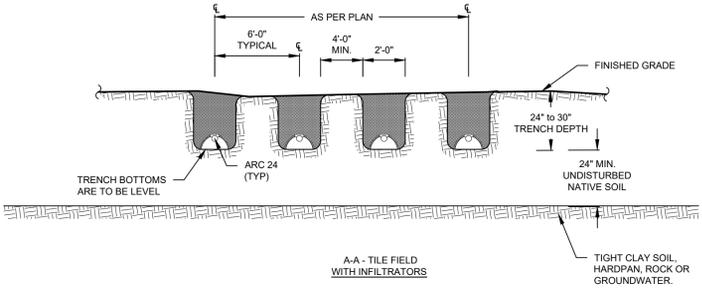
LOT #	STABILIZE PERC RATE (min)	PROPOSED BEDROOMS	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED FIELD LENGTH (ft) (BASED UPON 2' WIDE TRENCH)	REQUIRED FIELD LENGTH (ft) BASED USING GRAVELESS CHAMBERS (25% REDUCTION)	PROPOSED ABSORPTION FIELD LENGTH (ft)
2	9	4	440	0.90	490	245	184	4 LATERALS @ 50 LF = 200
3	2	4	440	1.20	386	184	N/A	4 LATERALS @ 46 LF = 184

DEEP TEST HOLE RESULTS

TEST HOLE #	DATE	DEPTH	DESCRIPTION
TP-1	10/20/21	0' - 8" 8" - 96"	TOPSOIL BROWN GRAVELLY LOAM NO MOTTLING, NO BEDROCK, NO WATER
TP-2	10/20/21	0' - 8" 8" - 96"	TOPSOIL BROWN GRAVELLY LOAM NO MOTTLING, NO BEDROCK, NO WATER
TP-3	10/20/21	0' - 8" 8" - 96"	TOPSOIL BROWN GRAVELLY CLAY LOAM WITH COBBLES NO MOTTLING, NO BEDROCK, NO WATER
TP-4	10/20/21	0' - 8" 8" - 96"	TOPSOIL TAN SILTY CLAY LOAM WITH COBBLES NO MOTTLING, NO BEDROCK, NO WATER



PLAN VIEW INFILTRATOR SYSTEM

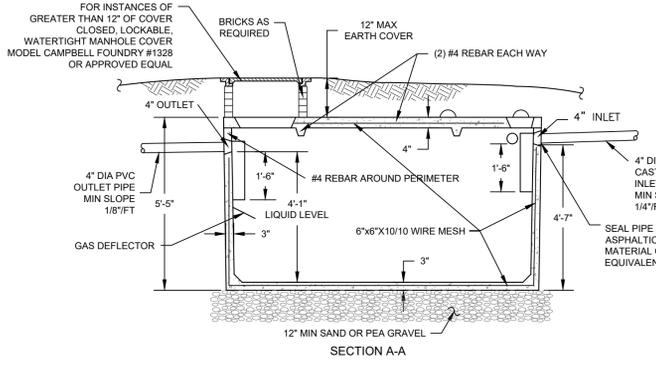


A-A - TILE FIELD WITH INFILTRATORS

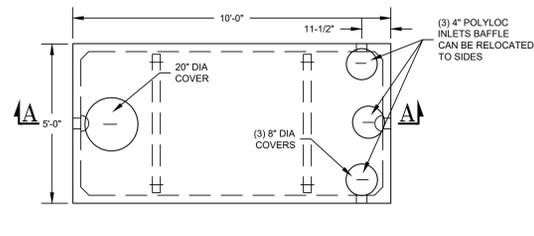
- NOTES:
- SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE BUILDING.
 - THERE SHALL BE NO REGRADING, IN THE AREA OF THE ABSORPTION FIELDS, EXCEPT AS SHOWN ON THE APPROVED PLANS.
 - NO TRENCHES TO BE INSTALLED IN WET SOIL.
 - RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING CHAMBERS IN ABSORPTION TRENCH.
 - GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
 - ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION 'NEW YORK STATE DEPARTMENT OF HEALTH - RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS - DESIGN HANDBOOK, 2012 AND OGDH DESIGN POLICY & STANDARDS - APPENDIX 75-A.
 - ABSORPTION CHAMBER TO BE CAPPED AT ENDS.
 - PROVIDE A MINIMUM OF 30" OF SOLID PIPE PRIOR TO START OF LEACHING CHAMBERS AND BE BACKFILLED WITH NATIVE MATERIAL.
 - 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.
 - 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 CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
 - THIS SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI STYLE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS AND SHALL NOT BE INSTALLED WITHOUT ADDITIONAL REVIEW AND APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH.

ABSORPTION TILE FIELD OVERALL PLAN

SCALE: N.T.S.



SECTION A-A



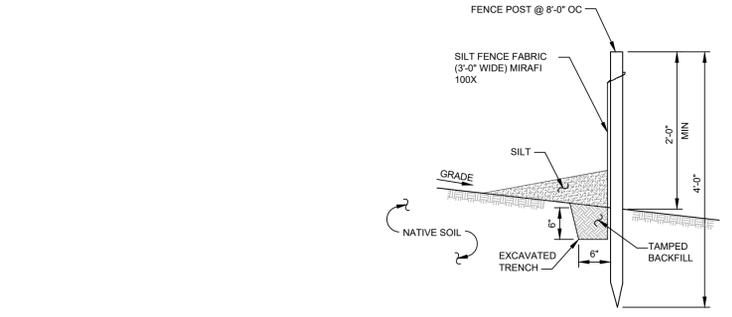
1250 GAL SEPTIC TANK

SCALE: N.T.S. (FOR 4-BEDROOM HOUSE)

- NOTES:
- PRECAST CONC. SEPTIC TANK AS MFG. BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL ST 1250, OR APPROVED EQUAL.
 - CONCRETE - 4,000 PSI AT 28 DAYS.
 - REINFORCEMENT - 6" x 6" x 10 GA WIRE MESH.
 - SECTIONS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT.
 - 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.
 - SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2 - 3 YEARS.

ABSORPTION TILE FIELD OVERALL PLAN

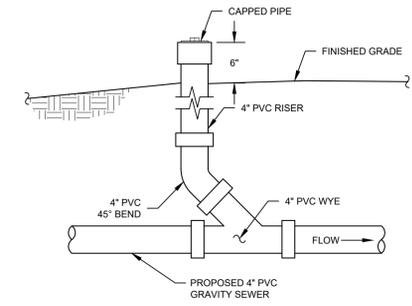
SCALE: N.T.S.



SILT FENCE

SCALE: N.T.S.

- NOTES:
- SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.



TYPICAL CLEANOUT

SCALE: N.T.S.

NO.	DATE	DESCRIPTION
1	03/30/22	REVISED DRIVEWAY
2	08/23/22	REVISED PER NYSDOT AND PB COMMENTS

DRAWING STATUS		ISSUE DATE:	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		08/23/22	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	6	OF	7
<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"/> 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 # 071701

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DETAILS

SUMMERVILLE WAY HOLDINGS LLC
3966 SUMMERVILLE WAY
TOWN OF CHESTER
ORANGE COUNTY, NEW YORK

JOB #: 1744.01
DATE: 08/02/2021
REVISION: 2- 08/23/2022

DRAWN BY: MDP
SCALE: AS NOTED
TAX LOT: 6-1-36.11, 36.12 & 37.1

C-301

