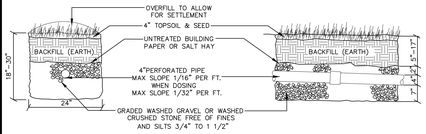
GEOGRAPHIC INDEX: 540753 617716

T.M.: 17.-1-77.2, 17.-1-76.21, 17.-1-76.112, 17.-1-76.111, 17.-1-48, 17.-1-39

W.O. No.: 21792, 25231

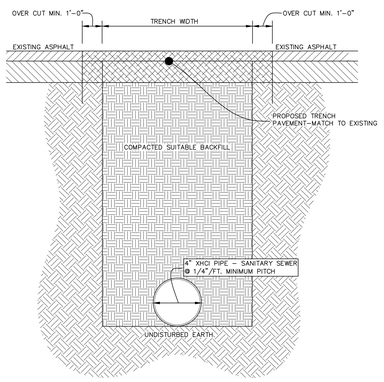
Drawing Name: SB21792DS__DETAILS__R19_V17

Drawn by: LJG | Checked by: | Spell checked by: | Layout: DETAILS | Closed by: | On:



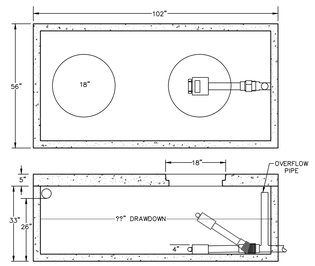
SP-026 PERFORATED PIPE TRENCH DETAIL

NOT TO SCALE



SE-001A SEWER SERVICE TRENCH DETAIL

NOT TO SCALE



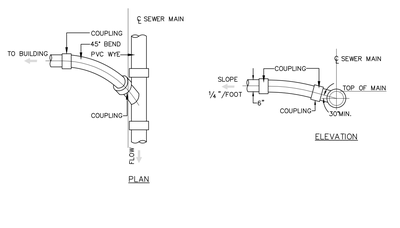
LENGTH	LOW LEVEL	DRAW	DOSE
102"	4"	??	??? GALS.

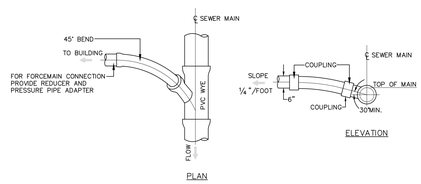
SPECIFICATIONS:
1) CONCRETE MINIMUM STRENGTH: 4,000 PSI @ 28 DAYS
2) STEEL REINFORCEMENT PER ASTM SPEC A-15-57
3) CAPABLE OF WITHSTANDING H-20 WHEEL LOADING OF 20,000 LBS.

AS MANUFACTURED BY MID-HUDSON CONCRETE PRODUCTS, INC.

FLOATING OUTLET CHAMBER DETAIL

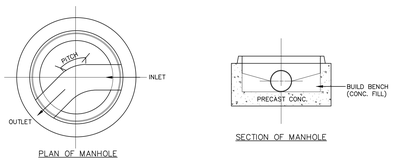
NOT TO SCALE

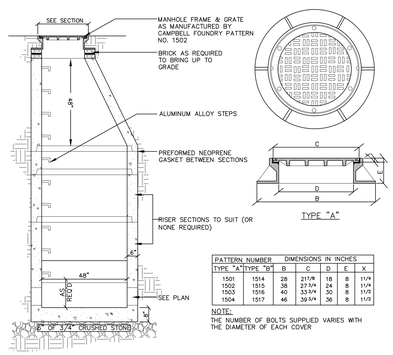




SE-005 TYPICAL HOUSE SEWER CONNECTION DETAIL

NOT TO SCALE



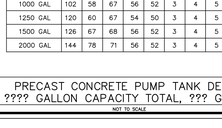


PATTERN NUMBER		DIMENSIONS IN INCHES					
TYPE "A"	TYPE "B"	B	C	D	E	X	
1501	1514	28	21⅞	18	8	11/4
1502	1515	36	27 3/4	24	8	11/4
1503	1516	40	33 3/4	30	8	11/2
1504	1517	46	39 3/4	36	8	11/2

NOTE:
THE NUMBER OF BOLTS SUPPLIED VARIES WITH THE DIAMETER OF EACH COVER

SEWER MANHOLE DETAIL

NOT TO SCALE

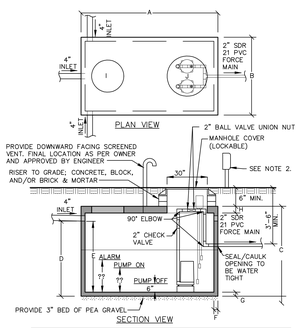


4" POURED CONCRETE (MIN. 2,500 PSI @ 28 DAYS); 8" BRICK MASONRY; 6" OR 8" CONCRETE BLOCK; OR 2" REINFORCED PRECAST CONCRETE

NOTES:
1. BOTTOM OF BOX MUST BE LEVEL AND FIRMLY SUPPORTED TO BELOW FROST LINE. FOOTING TO EXTEND TO 36" BELOW GROUND LEVEL.
2. PLACED ON SINGLE BRANCH DISTRIBUTORS.
3. WATERPROOFED MASONRY CONSTRUCTION.
4. TIGHT JOINT PIPE FROM SEPTIC TANK TO BOX AND BETWEEN ALL BOXES.

SP-011 JUNCTION BOX DETAIL

NOT TO SCALE



PUMP TANK DIMENSIONS										
NOMINAL SIZE	A	B	C	D	E	F	G	H	I	J

1. ALL ELECTRICAL WORK AND MATERIAL FOR PUMP INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.
2. AN ALL WEATHER JUNCTION BOX WITH AN OUTLET AND SCREWED COVER SHALL BE PROVIDED AT OR ABOVE GRADE AT THE PUMP CHAMBER TO ALLOW FOR A PLUG-IN CONNECTION FOR THE PUMP.
3. THE PUMP CONTROL PANEL AND AUDIO-VISUAL ALARMS SHALL BE LOCATED INSIDE THE HOUSE OR BUILDING.
4. PRIOR TO CONDUCTING A FINAL INSPECTION ON THE PUMP CHAMBER, AN ELECTRICAL UNDERWRITER'S CERTIFICATE FOR THE PUMP CHAMBER MUST BE PROVIDED TO THE PUTNAM COUNTY HEALTH DEPARTMENT. THE PUTNAM COUNTY HEALTH DEPARTMENT WILL NOT SCHEDULE A FINAL INSPECTION OF THE PUMP CHAMBER UNTIL AN ELECTRICAL UNDERWRITER'S CERTIFICATE IS PROVIDED.
5. PROVIDE [redacted] GALLON DOSE VOLUME.
6. PROVIDE TWO (2) "GOULDS" SUBMERSIBLE EFFLUENT PUMP, MODEL 3885-W[redacted]
7. PROVIDE [redacted] SDR 21 PVC FORCE MAIN WITH 90° DOWNWARD FACING ELBOW INTO DISTRIBUTION BOX.
8. PROVIDE DUPLEX CONTROL SYSTEM TO ALTERNATE PUMP START UP.

MANUFACTURED BY MID-HUDSON CONCRETE PRODUCTS, INCORPORATED

PUMP TANK DIMENSIONS										
NOMINAL SIZE	A	B	C	D	E	F	G	H	I	J
750 GAL	102	58	56	43	39	3	4	5	24	30
1000 GAL	102	58	67	56	52	3	4	5	24	30
1250 GAL	120	60	67	54	50	3	4	5	24	30
1500 GAL	126	67	68	56	52	3	4	5	24	30
2000 GAL	144	78	71	56	52	3	4	5	24	30

PRECAST CONCRETE PUMP TANK DETAIL
???? GALLON CAPACITY TOTAL, ??? GAL./FT.

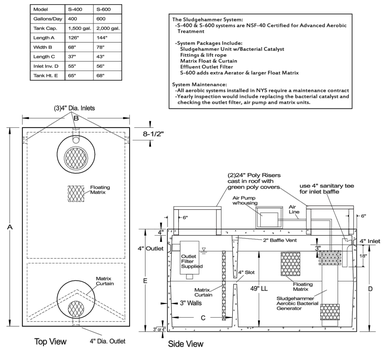
NOT TO SCALE

Model	S-400	S-600
Gallons/Day	400	600
Tank Cap.	1,500 gal.	2,000 gal.
Length A	126"	144"
Width B	68"	78"
Length C	37"	43"
Inlet Inv. D	55"	58"
Tank Ht. E	60"	68"

The Sludgehammer System:
-S-400 & S-600 systems are NSF-40 Certified for Advanced Aerobic Treatment

-System Packages Include:
Sludgehammer Unit w/Bacterial Catalyst
Fittings & lift rope
Matrix Float & Curtain
Effluent Outlet Filter
S-600 adds extra Aerator & larger Float Matrix

System Maintenance:
-All aerobic systems installed in NYS require a maintenance contract
-Yearly inspection would include replacing the bacterial catalyst and checking the outlet filter, air pump and matrix units.

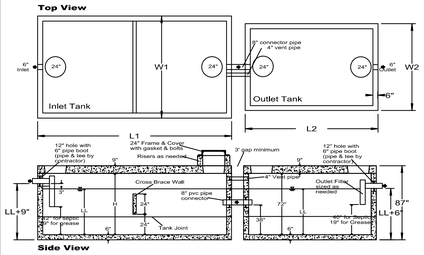


SPECIFICATIONS	PRECAST AEROBIC SEPTIC TANKS SLUDGEHAMMER S-400 & S-600
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: 6x6x10ga. WWM, #4 bar Air Entrainment: 6% Construction Joint: Butyl Rubber Sealant Pipe Connection: Polylok Seal (patented) Load Rating: 300 psf	Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050 Page 2A 1/7/15

www.woodardsconcrete.com
OR APPROVED EQUAL

AEROBIC SEPTIC TANK

NOT TO SCALE



Tank Capacity	L1	W1	L2	W2	H	LL	Inlet Cap.	Outlet Cap.	Total Wt.
8,000 gal.	18'-0"	9'-6"	12'-0"	8'-0"	72"	58"	5,200 gal.	2,800 gal.	84,500 lb
10,000 gal.	21'-0"	9'-6"	15'-0"	8'-0"	75"	60"	6,500 gal.	3,500 gal.	98,500 lb

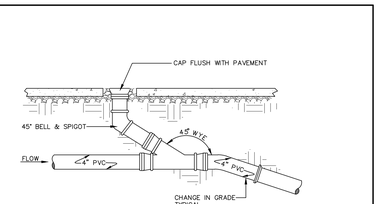
Tank designs are based on the NYSDEC 2012 standards.

SPECIFICATIONS	PRECAST TRAFFIC RATED TANKS 8,000 & 10,000 GALLON SEPTIC or GREASE TANKS
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: #4 & #5 Rebar / ASTM A615 Air Entrainment: 6% Construction Joint: Butyl Rubber Sealant Pipe Connections: NPC Kor-N-Seal boots Load Rating: HS20-44 + 30% / ASTM C857	Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050 Page 5A 11/25/2020

www.woodardsconcrete.com
OR APPROVED EQUAL

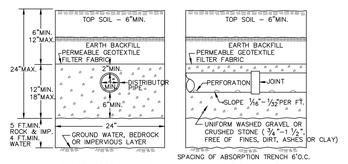
10,000 GALLON SEPTIC TANK

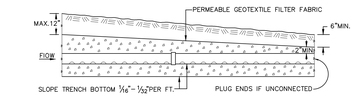
NOT TO SCALE



SP-001 CLEAN-OUT DETAIL

NOT TO SCALE



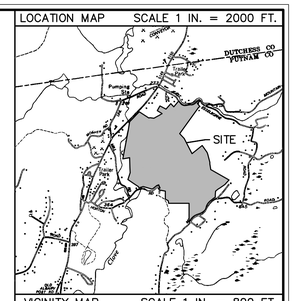


ALL PERFORATED PIPES SHALL MEET ASTM STANDARDS FOR SEPTIC SYSTEMS

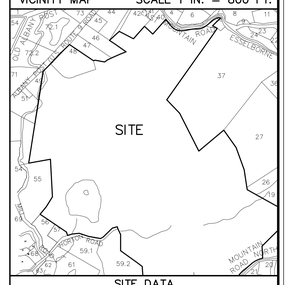
ABSORPTION TRENCH DETAIL

NOT TO SCALE

LOCATION MAP SCALE 1 IN. = 2000 FT.



VICINITY MAP SCALE 1 IN. = 800 FT.



SITE DATA

TAX MAP NUMBER

SECTION:	17	17	17	17	17	17
BLOCK:	1	1	1	1	1	1
LOT:	39	48	76.111	76.112	76.21	77.2

REVISIONS

DATE	REVISION	DESCRIPTION
See Title	R01	Original Drawing
04/15/2021	R16	FEIS RESPONSES
03/03/2022	R19	FEIS RESPONSES

UNDERGROUND WARNING - NYS CODE RULE 753

NEW YORK STATE INDUSTRIAL CODE 53 REQUIRES EXCAVATORS TO CALL DIG SAFELY NEW YORK, INC. (800-962-7962) FOR A MEMBER-UTILITY LOCATION REQUEST AT LEAST TWO (2) WORKING DAYS, BUT NOT MORE THAN TEN (10) WORKING DAYS BEFORE ANY EXCAVATION OR DEMOLITION STARTS, REGARDLESS OF LOCATION. NOT ALL UTILITIES AND MUNICIPALITIES ARE MEMBERS OF DIG SAFELY NEW YORK, INC. AND NON-MEMBER UTILITY OPERATORS MUST BE CONTACTED DIRECTLY.

WARNING STAMP

ALTERATION OF THIS DOCUMENT, IN ANY WAY, BY ANY PERSON NOT UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, AS APPROPRIATE, IS A VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK

PROJECT LOCATION

ROUTE 9, HORTON ROAD, E MT ROAD N
TOWN OF PHILIPSTOWN
COUNTY OF PUTNAM
STATE OF NEW YORK

PROPERTY OWNER

HORTON ROAD LLC
315 EAST 91ST STREET UNIT 2S
NEW YORK, NY 10128

APPLICANT

HORTON ROAD LLC
315 EAST 91ST STREET UNIT 2S
NEW YORK, NY 10128

PROJECT DESCRIPTION

24 LOT CONSERVATION SUB-DIVISION.

PLAN SET
PREPARED FOR
HUDSON HIGHLANDS RESERVE
PRELIMINARY PLAN OF DETAILS

SCALE : AS SHOWN

PRELIMINARY

PRINTED
February 28, 2022

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BADEY & WATSON
Surveying & Engineering, D.P.C.
3068 Route 9
Cold Spring, NY 10516
www.Badey-Watson.com
845.265.9217
877.3.141593 (Toll Free)

SHEET 19 OF 19

FILE No. 20-154