

TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT NAME: HUDSON ASSET HOMES, LLC

PROJECT NO.: 22-10

PROJECT LOCATION: SECTION 34, BLOCK 1, LOT 25.15

REVIEW DATE: 1 JULY 2022 MEETING DATE: 7 JULY 2022

PROJECT REPRESENTATIVE: ENGINEERING & SURVEYING PROPERTIES, PC

- 1. Comments from the 2 June 2022 Planning Board meeting should be addressed.
- 2. Adjoiner's Notices were submitted per the Planning Board procedures.
- 3. Orange County Planning submission was submitted on 14 June 2022. This time frame has not timed out unless we hear from the County.
- 4. The applicants have submitted a Full Part I of the Environmental Assessment Form. This office would recommend the Board review the Part II of the EAF with regard to developing a SEQRA determination. It is noted that the Full EAF was prepared addressing the ultimate development plan for the parcel.
- 5. A Public Hearing is required for the two- lot subdivision.
- 6. ARB for the two family homes is required.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrit & Denes

Patrick J. Hines

Principal PJH/kbw



Montgomery Office:

71 Clinton Street Montgomery, NY 12549 phone: (845) 457-7727 fax: (845) 457-1899 Warwick Office:

17 River Street Warwick, NY 10990 phone: (845) 986-7737 fax: (845) 986-0245

www.EngineeringPropertiesPC.com

July 1, 2022

Town of Newburgh Planning Board 21 Hudson Valley Professional Plaza Newburgh, NY 12550

ATTN: John Ewasutyn, Chairman

RE: W.O. # 1051.11

PB APPLICATION 2022-10 HUDSON ASSET HOMES LLC TAX LOT # 34-1-25.15

COMMENT RESPONSE

DECETIVE
JUL - 1 2022

MHE Engineering, D.P.C.

Dear Mr. Ewasutyn:

We are in receipt of the comment memo regarding the above-mentioned project dated May 27, 2022 from MH&E Consulting Engineers, D.P.C. Below is a comment-by-comment response;

- 1. A survey plan stamped by a NYS Licensed Surveyor is being prepared.
- 2. No response required.
- 3. No response required.
- 4. No response required.
- 5. No response required.
- 6. Our office has contacted the Water Department to gather information on the existing watermain. Once received, calculations for sizing of the water services will be provided.
- 7. Architectural drawings are being prepared for review.
- 8. Septic system notes have been added to Sheet C-301 of the site plan.
- 9. The affidavit of mailing is attached as part of this submission.
- 10. The driveway access and maintenance agreement will be prepared as a condition of final approval.
- 11. Correspondence from the Highway Superintendent has been received and is attached as part of this submission.

Site Design and Development • Land Surveying • Environmental Planning and Permitting Construction Support • Project Management • Client Advocating and Representation • Municipal Engineering

If you have any additional questions and/or comments please don't hesitate to contact this office.

Sincerely,

Engineering & Surveying Properties, PC

Ross Winglovitz, P.E.

Principal

Reuben Buck Project Engineer

AFFADAVIT OF MAILING OF NOTICE

TO OWNERS OF PROPERTY WITHIN 500 FEET

OF THE SUBJECT PROPERTY

	DECEIVED
STATE OF NEW YORK)	$\left \frac{1}{1} \right \left \frac{1}{1} = \frac{1}{2022} \right \left \frac{1}{1} \right $
)SS.	
COUNTY OF ORANGE)	MHE Engineering, D.P.C.
I, Clerken & Sleat	being duly sworn, depose and say that I did on
6/21 , 2022 deposit is	the United States mail, postage prepaid, by first class
Mail, a Notice of Public Hearing, a cop	y of which is attached hereto as Exhibit "A" and
made a part hereof, addressed to each o	of the persons identified on Exhibit "B" attached hereto
and made a part hereof.	Charley Sleet
Swom to before me this 2	
day of June 2022	LISA M. AYERS Notary Public, State of New York Registration No. 014X6400766 Qualified in Orange County My Commission Expires November 25, 2023
Notary Public	



HIGHWAY DEPARTMENT

90 GARDNERTOWN ROAD NEWBURGH, NEW YORK 12550

TELEPHONE 845-561-2177 FAX 845-561-8987

MARK HALL HIGHWAY SUPERINTENDENT

TO:

John Ewasutyn, Planning Board Chairman

FROM:

Mark Hall, Highway Superintendent

DATE:

June 2, 2022

RE:

Hudson Asset (22-10)

SBL 34-1-25.15

Union Ave

I have reviewed the above-mentioned plans and we have no concerns for the Town of Newburgh Highway Department.

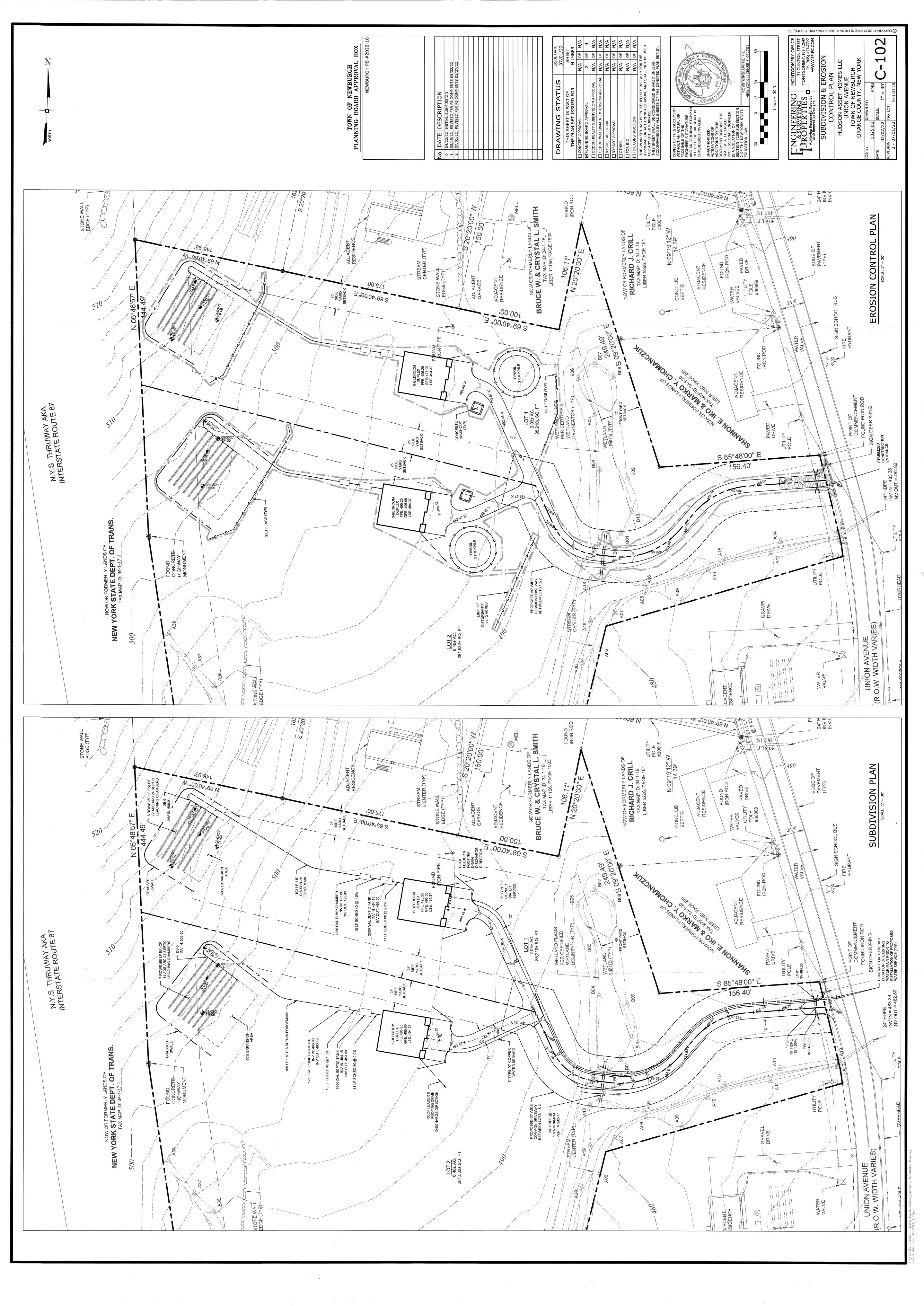
If you have any questions feel free to contact me at the above number.

MH:ch

DEGETVE JUL-1 2022

MHE Engineering, D.P.C.





SCHEDULE **DESIGN** SYSTEM SEPTIC

	,	
PROPOSED ABSORPTION FIELD LENGTH (ft)	6 LATERALS @ 60' 6 ROWS OF 12 CHAMBERS	2 6 23 660 0.60 1100 551 413 7 ROWS OF 12 CHAMBERS
REQUIRED FIELD LENGTH (ft) BASED USING GRAVELESS CHAMBERS (25% REDUCTION)	354	413
REQUIRED ABSORPTION FIELD LENGTH (ft)	3	551
REQUIRED AREA (Sq. ft.)	943	1100
APPLICATION RATE (GPD/Sq. ft.)	0	09.0
FLOW RATE (GPD)	099	099
NUMBER OF PERC RATE (min)		23 660 0.6
NUMBER OF BEDROOMS	9	2
LOT	***************************************	2

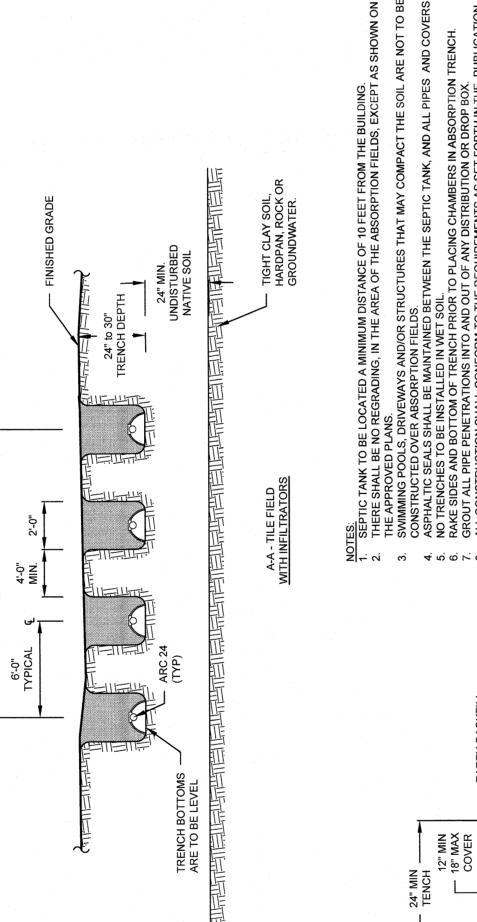
RESUL TEST **PERCOLATION**

STABLIZED RATE	16 MIN			2 MIN			8 MIN			23 MIN		
		ovan j			an el giamenta agint ,			all or any		yn e Ynge		00:22:29
TS (EL)		VALS	00:15:49		D INTERVALS			D INTERVALS	00:07:51		D INTERVALS	00:21:39
PERCOLATION TEST RUNS - PWATCH USED FOR ALL TES E FOR 1" DROP IN WATER LEV		OR TIMED INTER	00:15:14		STOPWATCH USED FOR TIMED INTERVALS	00:01:33		STOPWATCH USED FOR TIMED INTERVALS	00:07:34		STOPWATCH USED FOR TIMED INTERVALS	00:19:44
PERCOLATION TEST RUNS - STOPWATCH USED FOR ALL TESTS (TIME FOR 1" DROP IN WATER LEVEL)		STOPWATCH USED FOR TIMED INTERVALS	00:11:07		STOPWATCH	00:01:30		STOPWATCH	00:06:46		STOPWATCH	00:17:58
S IIT)		STOPV	00:06:24			00:00:26			00:04:40			00:14:50
TIME	FINISH	START	TIME	FINISH	START	TIME	FINISH	START	TIME	FINISH	START	TIME
PERC HOLE DIA		÷ ©			₩		<u>.</u>		1.8			
PERC HOLE DEPTH		48"			188"		48"		48"			
PERC HOLE#		10/01/21 PT-01			10/01/21 PT-03		10/01/21 PT-04		b	10/01/21		} -
#10T#		_			~		***************************************	7			2	
	3			***************************************					•••••••			

STABLIZEE RATE 16 MIN 2 MIN 23 MIN	TANK	SOLID PVC (a) ½2" / FT MIN	© — — — — — — — — — — — — — — — — — — —	 CHAMBER SEE PLAN FOR TRENCH 60' MAX LENGTH EXPANSION AREA	PLAN VIEW INFILTRATOR SYSTEM		6'-0" 4'-0" 7YPICAL & MIN 2'-0"	_		
		STABLIZED RATE	16 MIN		Z Z	**************************************	8 MIN		23 MIN	
	i Sepa Setu	Management (1997)		***************************************	******************************	-		***************************************		00:22:29

	CHAMBERS 4' MIN 4' MIN SOIL (TYP)			FINISHED GRADE	o" EPTH ↓ 24" MIN. UNDISTURBED NATIVE SOIL		TIGHT CLAY SOIL, HARDPAN, ROCK OR GROUNDWATER.
PIPE FROM SEPTIC TANK @ 1.0% MIN.	DROP BOX AS MFD BY WOODARD'S CONCRETE PRODUCTS, INC OR EQUIVALENT SLOPE NEARLY LEVEL	SEE PLAN FOR # OF CHAMBERS 60' MAX LENGTH	لى		24" to 30" TRENCH DEPTH TRENCH DEPTH 24 UNDIS		
# T		EXPANSION AREA	PLAN VIEW INFILTRATOR SYSTEM	A3 FEN FLAN 4'-0" MIN: 2'-0"			A-A - TILE FIELD WITH INFILTRATORS
	30" MIN - SOLID PVC @ 1/22" / FT MIN - SLOPE NEARLY LEVEL	SEE PLAN FOR # OF CHAMBERS 60' MAX LENGTH	IINII	6-0" TYPICAL E	DMS (TYP)		
	3 3	24" CHAMBER TRENCH WIDTH (TYP)			TRENCH BOTTOMS	ARE TO BE LEVEL THE	

TANK @ 1.0% MIN. DROP BOX AS CONCRETE PRODUCTS, INC OR EQUIVALENT SLOPE NEARLY LEVEL CEE DI AN EOD TANK @ 1.0% MIN. CHAMBERS 4' MIN SOIL (TYP) SOIL (TYP)	# 0		TRENCH DEPTH TRENCH DEPTH 24" MIN. UNDISTURBED NATIVE SOIL	HARDPAN, ROCK OR GROUNDWATER.
<u>ئى بى بى</u>	EXPANSION AREA PLAN VIEW INFILTRATOR SYSTEM	PLAN		WITH INFILTRATORS
SOLID PVC 42" / FT MIN	EX EX INFILTRAL	AS PER PLAN 4'-0" MIN.		TIM
	SEE PLAN FOR # OF CHAMBERS — 60' MAX LENGTH	6'-0" TYPICAL	ARC 24	
	SE .09		TRENCH BOTTOMS ARE TO BE LEVEL	
3 3	MBER ENCH H (TYP)		TRENCH BOTTOM ARE TO BE LEVEL	



RESULTS

HOLE

TEST

DEEP

TOPSOIL
TOPSOIL
TAN, SILTY, CLAY LOAM
BROWN, SILTY, SANDY, GRAVEL LOAM WITH LARGE
NO ROCK, NO GROUNDWATER
TOPSOIL
TAN, SILTY, CLAY LOAM WITH COBBLE
BROWN, SILTY, SANDY, GRAVEL LOAM WITH COBB
NO ROCK, NO GROUNDWATER
TOPSOIL
TAN, SILTY, CLAY LOAM WITH COBBLE
TAN, SILTY, CLAY LOAM WITH COBBLE
TOPSOIL
TOP

0" - 8" 8" - 36" 36" - 84"

TP-05

7

TP-06

SEPTIC SYSTEM NOTER DESIGN OF THE SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATION OF SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPAR

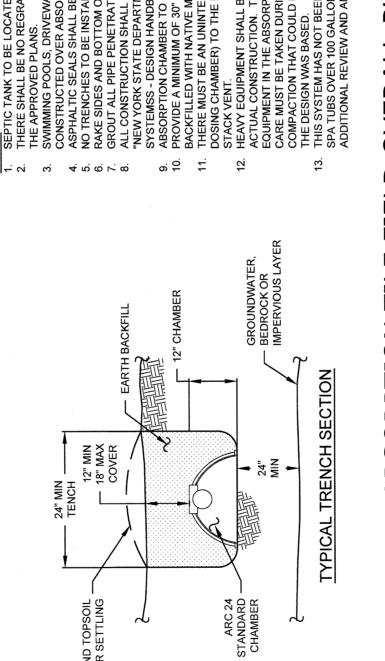
SYSTEM NOTES

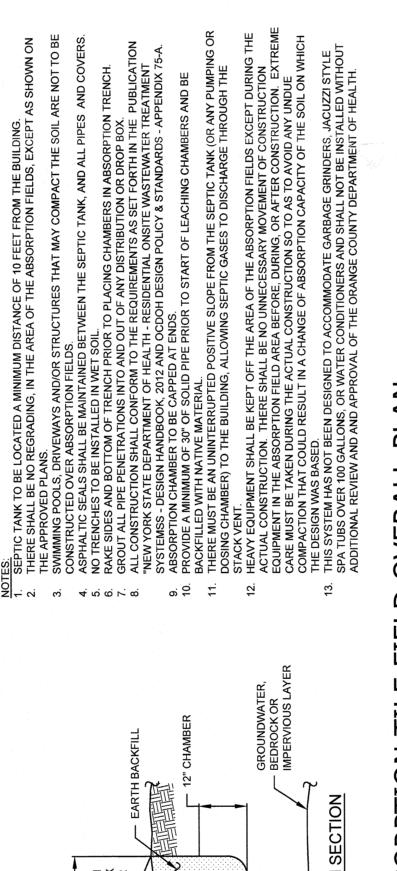
TY, CLAY LOAM SILTY, SANDY, GRAVEL LOAM WITH LAR K, MOTTLING @ 72", SEEPAGE @ 75"

DEPTH 0" - 10" 10" - 42" 42" - 84"

LOT# TEST HOLE#

TP-08



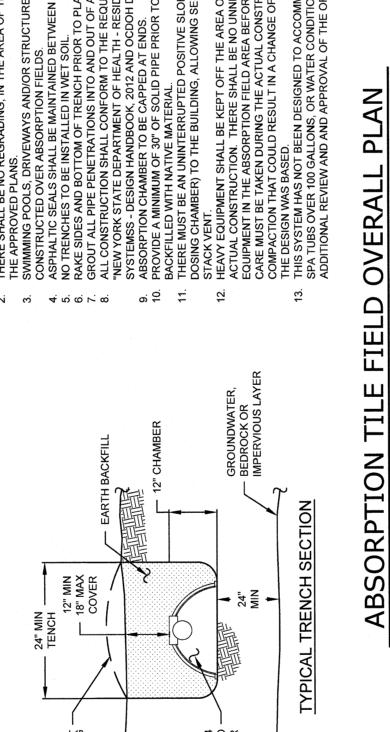


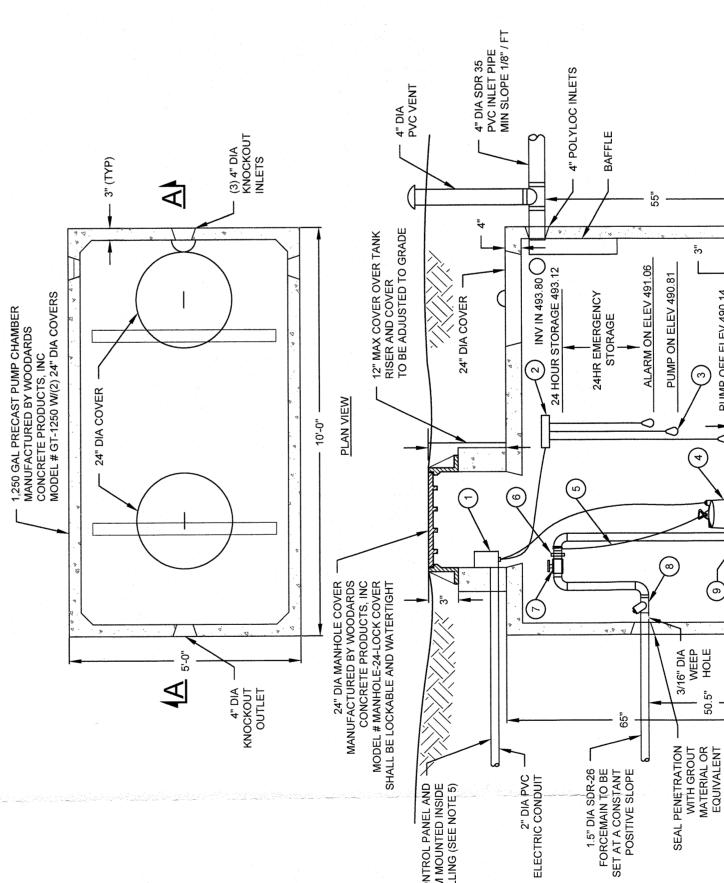
OVERALI

6 HOLE DROP DISTRIBUTION BOX

SECTION A-A

12" MIN SAND OR PEA GRAVEL





PUMP STATION CALCULATIONS

PUMP VOLUME CALCULATIONS:

360 LF x (3.14)(.33) ² / 4 = 30.8 CF x 7.48 GAL/CF = 230 GALLONS (TILE FIELD)

192 LF x (3.14)(.12) ² / 4 = 2.2 CF x 7.48 GAL/CF = 16 GALLONS (FORCE MAIN)

ELEVATION BETWEEN PUMP OFF TO PUMP ON TRY 8" OR 0.67"

9.5 FT x 4.5 FT x 0.67 FT = 28.5 CF = 213 GAL

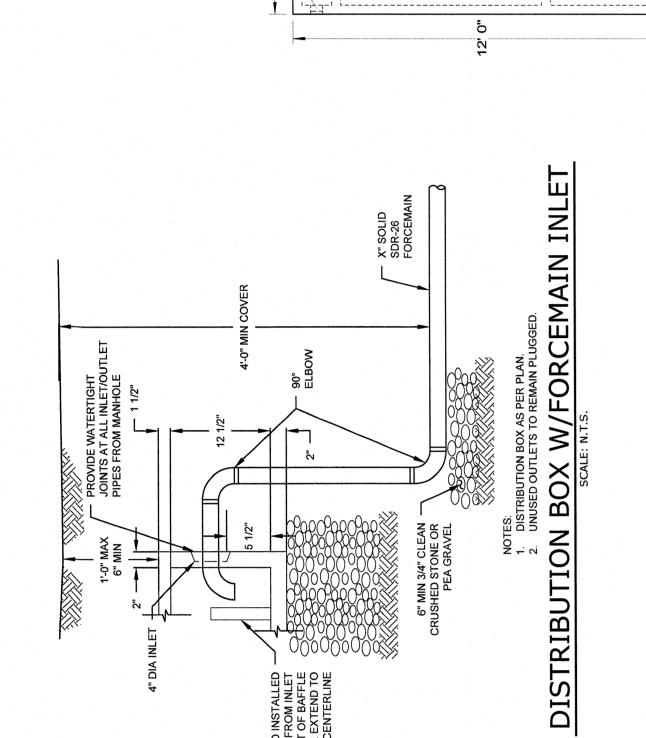
213 GAL / (230 + 16) GAL = 87%

PUMP STATION CALCULATIONS

PUMP VOLUME CALCULATIONS:
420 LF x (3.14)(.33)² / 4 = 35.9 CF x 7.48 GAL/CF = 269 GALLONS (TILE FIELD)
170 LF x (3.14)(.12)² / 4 = 1.9 CF x 7.48 GAL/CF = 14 GALLONS (FORCE MAIN)
ELEVATION BETWEEN PUMP OFF TO PUMP ON TRY 9" OR 0.75'
9.5 FT x 4.5 FT x 0.75 FT = 32.1 CF = 240 GAL
240 GAL / (269 + 14) GAL = 85%

24 HOUR STORAGE CALCULATIONS:
24 HOUR STORAGE = 660 GAL / 7.48 GAL/CF = 88.2 CF
24 HOUR STORAGE HEIGHT = 88.2 CF / (9.5 FT x 4.5 FT) = 2.06 FT
24 HOUR STORAGE AVAILABLE TO INVERT IN = 2.66 FT

3" - 8" BOTTOM ELEV 489.47	LEV 489.22	' MIN CLEAN —/ S STONE OR PEA GRAVEL	1,250 GAL PUMP CHAMBER (LOT 1)	



Inlet note: Use a sanitary tee with pipe extension to meet the NYSDOH requirement for baff 16" below liquid level.

	SPECIFICATIONS	
	Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: #4 Rebar or 60, 6x6x10ga, WWM	MODEL ST-2000 / 2000 GALLONS
	Air Entrainment: 6% Construction Joint: Butvl Rubber Sealant	Woodard's Concrete Products, Inc.
	Pipe Connection: Polylok Seal (patented) Weight = 15,500 lbs	629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050
	Load Rating: 300 psf	Page 5A 7/18/14
*·.	www.woodardsconcrete.com	crete.com

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gnt = 15,500 lbs d Rating: 300 psf	Page 5A 7/18/14
www.woodardsconcrete.com	ncrete.com
2,000 GAL SEPTIC TANK	PTIC TANK

PLAN VIEW

1'-0" MA) 6" MIN

OUTLET

A our

PLANNING BOARD APPROVA NEWBURGH F

MENTS 05/02/22

BOX #2022

1,250 GAL PRECAST PUMP CHAMBER MANUFACTURED BY WOODARDS CONCRETE PRODUCTS, INC MODEL # GT-1250 W/(2) 24" DIA COVERS			(3) 4" DIA KNOCKOUT INLETS	10-0"	
1,250 GA MANUFA CONCRE	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(A 5'-0"	4" DIA KOUT		

DRAWING

(3) 4" DIA KNOCKOUT INLETS	4" DIA SDR 35 PVC VENT PVC VENT PVC INLET PIPE MIN SLOPE 1/8" / F' A" POLYLOC INLETS 55"		7
4" DIA KNOCKOUT OUTLET	PLAN VIEW MANUFACTURED BY WOODARDS CONCRETE PRODUCTS, INC MODEL # MANHOLE-24-LOK COVER SHALL BE LOCKABLE AND WATERTIGHT TO CONTROL PANEL AND ALARM MOUNTED INSIDE DWELLING (SEE NOTE 5) TO CONTROL PANEL AND ALARM MOUNTED INSIDE DWELLING (SEE NOTE 5) TO CONTROL PANEL AND ALARM MOUNTED INSIDE DWELLING (SEE NOTE 5) TO CONTROL PANEL AND ALARM MOUNTED INSIDE DWELLING (SEE NOTE 5) TO CONTROL PANEL AND ALARM MOUNTED INSIDE ALARM MOUNTED INSIDE TO CONTROL PANEL AND ALARM MOUNTED INSIDE ALAR	CRUSHED STONE OR PEA GRAVEL	TO IN GENERAL MINE OF CE

NOTES:

1. PRECAST CONCRETE PUMP CHAMBER AS MFG. BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL GT 750, W/ (2) 24" DIA COVERS OR APPROVED EQUAL

2. CONCRETE - 4,000 PSI AT 28 DAYS

3. REINFORCEMENT - WWM, #4 REBAR

4. CONSTRUCTION JOINT TO BE SEALED WITH BUTYL RUBBER SEALANT

5. CONTROL PANEL AS MFG. GOULDS PUMPS, INC. MODEL SES SERIES CUSTOMIZED CONTROL PANEL-NIEMA 1 SIMPLEX CONTROLLER WITH ALARM. CONTROL PANEL IS TO BE MOUNTED INDOORS AND WIRED TO CIRCUIT BREAKER.

6. ALL ELECTRICAL WORK SHALL MEET WITH THE NATIONAL ELECTRICAL CODE LATEST EDITION

7. PUMP STATION(S) SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE.

NOTES:

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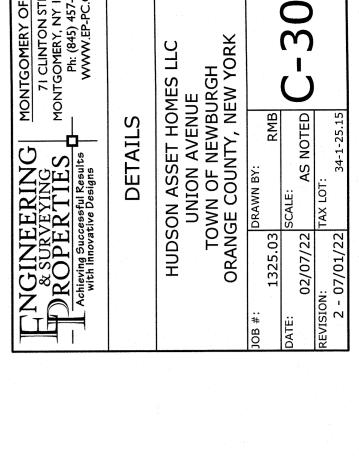
7. PUMP STATION(S) SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE.

48 GAL/CF = 88.2 CF 2 CF / (9.5 FT x 4.5 FT) = 2.06 FT 3 INVERT IN = 2.74 FT

24 HOUR STORAGE CALCULATIONS
24 HOUR STORAGE = 660 GAL / 7.48
24 HOUR STORAGE HEIGHT = 88.2
24 HOUR STORAGE AVAILABLE TO

SCHEDULE OF MECHANICAL EQUIPN
DESCRIPTION & WOODARD'S MODEL #
SAL JUNCTION BOX - A8-1J
SS STEEL FLOAT BRACKET

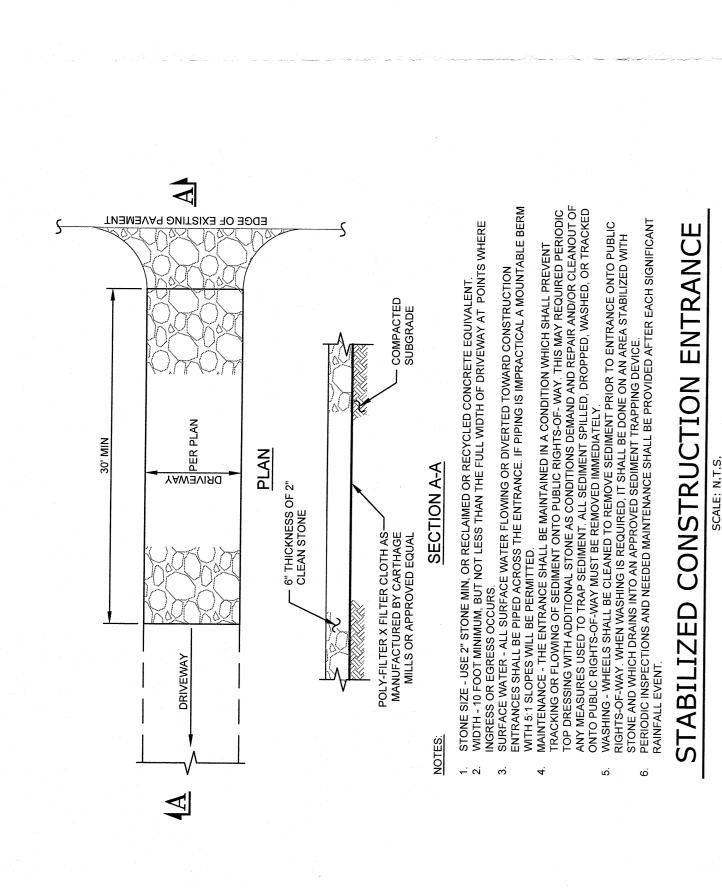
280028002800280028002800280028000 28002800	2" MIN CLEAN —/ ED STONE OR PEA GRAVEL	1,250 GAL PUMP CHAMBER (LOT 2)	SCALE: N.T.S.	

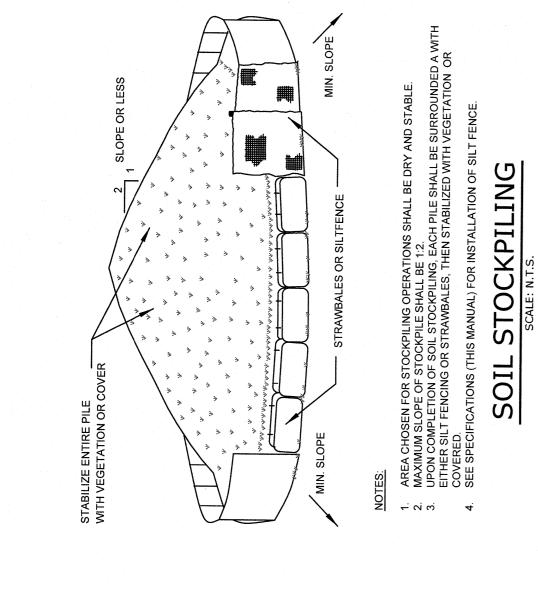


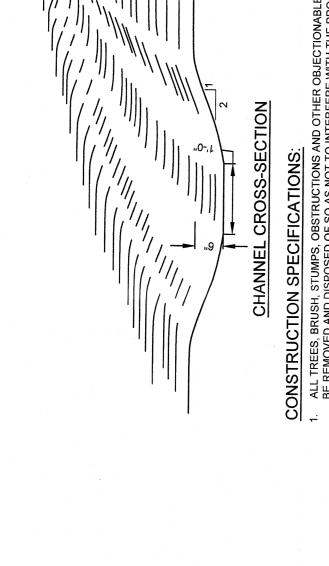
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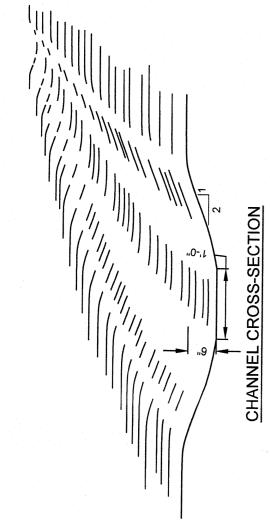
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CONSTRUCTION SPECIFICATIONS:

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 IRREGULARITIES 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 COMPACTED AS NEEDED IN CONSTRUCTION TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED WATERWAY.

5. WATERWAY SHALL BE SEEDED AND STABILIZED JUTE OR EXCELSIOR MATTING UNTIL THE VEGETATION IS ESTABLISHED.

GRASSED SWALE

EROSION AND SEDIMENTATION

SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION
REMOVAL REQUISED FOR CONSTRUCTION.

1. SEDIMENY EROSION CONTROL MEASURES, INCLUDING SILT FENCES AND/OR STRAW BALE DIKES, SEDIMENY BAND THE PROPERTORY OF GRADING SILT FENCES AND RIP-RAP CONSTRUCTION.

3. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING CONSTRUCTION.

3. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING SITURBANCE TO STRAILZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION.

3. LAN ADEQUART SEEDED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTAGLES.

3. LUME SHALL BE SEEDED SHALL BE APPLIED PER SOIL TEST RESULTS OR AT A RATE OF 600 LBS. PER ACKE.

3. SUME SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER.

3. LUME SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER.

3. SERVILLES AND SHALL BE SEEDED AT THE FOLLOWING THE WINTER, USE 100 LBS.

3. LUME SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER.

3. DISTURBED AREAS WINULAL ON THE PROPAGE.

3. DISTURBED AREAS WINULAL ON THE PROBAGE.

3. DISTURBED AREAS SHAUL BE STABLILED BER SOIL THE THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE.

3. DISTURBED AREAS SHAUL BE STABLILED SHALL BE APPLIED DOWN THIN TORSOIL AT THE FOLLOWING RATE.

3. LIBS TREDING SHALL BE PREPERABLO USING THE MULCH ANDREW PAPENCING STONS OF STRAW MULCH PER ACRE. PLUS

3. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 3 TONS OF SITRAW MULCH PER ACKE WILL SHADON THE MULCH AND THORSO FONDOR FIBER MULCH PER ACKE WILL BE ADADORS THE WILL SHADOL HORSON TO SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY ALL BE PREPORTED BY A PROPER SOIL THE PROPERS OF WOOD FIBER MULCH PER ACKE WILL BY ADDROCSED ALL DE STABILIZED STABLILED BY A PROPICE OF SOIL SOIL STONS OF STRAW MULCH PER ACKE WILL SHADOL STONS OF STRAW MULCH PER ACKE WILL STABILIZED STABLILED SOIL STAD STABLE STABLILED SOIL STAD

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. 5.

MULCH NETTING SUCH AS PAPER, JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED. STAPLE PLACE. OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING LIME AND FERTILIZER AS SPECIFIED ABOVE AND SEEDING WITH THE FOLLOWING MIXTURE:

| MATERIAL | LBS./ACRE | 30
| CROWN VETCH | 12
| SPREADING FESCUE | 25

 OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15.
 ALL UPSTREAM SITE WORK AND STABILIZATION SHALL OCCUR BEFORE CONNECTING UND DETENTION/INFILTRATION FACILITY TO PREVENT ANY ERODED SEDIMENTS FROM ENTERIN UNDERGROUND FACILITY. 12. IN ACCORDANCE WITH THE NYS DISTURBED AT ANYONE TIME.

8. STABILIZATION OF POND BERMS, AND ALL SLOPES IN EXCESS OF 3H:1V IN ACCORDANCE WITH "EROSION AND SEDIMENTATION CONTROL NOTES".	9. ALL POND OUTLETS SHALL HAVE SEEPAGE CONTROL COLLARS PLACED AT 1/3 AND 2/3 THE WIDTH OF THE EMBANKMENT.	10. SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PERVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:	10.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL	10.B. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUB-SOILS.	10.C. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.	10.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.	SEQUENCE OF CONSTRUCTION ACTIVITY	

PRE-CONSTRUCTION: NOTIFY APPROPRIATE MUNICIPAL AND UTILITY OFFICIALS 3 DAYS PRIOR TO START OF CONSTRUCTION.
 CONSTRUCTION.
 CONSTRUCTION.
 CONSTRUCTION.
 CONSTRUCTION.
 STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWNHILL OF PROPOSED CONSTRUCTION. INSTALL STARANCE(S). INSTALL PERMANENT / TEMPORARY GRASSED SWALES.
 CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF CONSTRUCTION. STRIP TOPSOIL AND STOCKPILE IN AREAS SHOWN ON THE PLAN. INSTALL SEDIMENT SEDIMENT BARRIERS AROUND AND ESTABLISH TEMPORARY VEGETATION ON TOPSOIL STOCKPILES.
 ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON THE PLAN. IMPLEMENT DUST CONTROL MEASURES AS NECESSARY. ESTABLISH PERMANENT STABLIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABLIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 21 DAYS FROM LAST DISTURBANCE.
 DISTURBANCE.
 DISTURBANCE.
 DISTURBANCE.
 BINVEWAYY BUILDING CONSTRUCTION AND UTILITY INSTALLATION: FINAL GRADING AND CONSTRUCTION OF MEASURES ARE IN WORKING ORDER.
 FINAL GRADING AND LANDSCAPING: COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR MEASURES ARE IN WORKING ORDER.
 FINAL GRADING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UNSTABLIZED AREAS. INSTALL ALL SITE AND SCAPING AND PLANTINGS.
 POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND STORM DRAINS.
 REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE. REMOVE ALL SILT AND DEBRIS FROM THE SITE INCLUDING RODINTROL MEASURES SUCH AS SILT FENCE.

TOWN OF NEWBURGH	
PLANNING BOARD APPROVAL BO	8
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NEWBURGH PB #20	20

Table 5.3 Soil Restoration Requirements Soil Restoration Requirement No soil disturbance Restoration not permitted Pre-



SOIL

FENCE POST @ 8'-0" O.C.

SILT FENCE FABRIC (3:-0" -WIDE) MIRAFI 100X OR APPROVED EQUAL

				Siran Bana Bianonia
Area	Areas where topsoil is	HSG A &B	HSG C&D	
stripped on grade	stripped only - no change in grade	apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	rrotect area from any ongoing construction activities.
	-	HSG A &B	HSG C & D	
Area	Areas of cut or fill	Aerate and apply 6 inches of topsoil	Apply full Soil Restoration **	
Heav (espe feet z not w perin founc	Heavy traffic areas on site (especially in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (decompaction and compost enhancement)	Restoration (de-	
Areas w Reducti Infiltrat applied	Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may applied to enhance the reduction specified for appropriate practice	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.	Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Rede	Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area be converted to pervious area.	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.	

ROOF LEADER AND SPLASH PAD SCALE N.T.S.

NOTES:

1. IN ACCORDANCE WITH NYSDEC STORMWA

1. IN ACCORDANCE WITH NYSDEC STORMWA

REQUIREMENTS, ALL ROOF LEADER DOWN

EFFLUENT ALONG THE SURFACE FOR INFIL

2. CONNECTION OF ROOF LEADERS TO CLOS

3. HOMEOWNERS SHALL MAINTAIN SPLASH B

THE PLANS TO PROVIDE INFILTRATION OF

NOTES:

1. SILT FENCE TO BE MAINTAINED IN PLA DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.

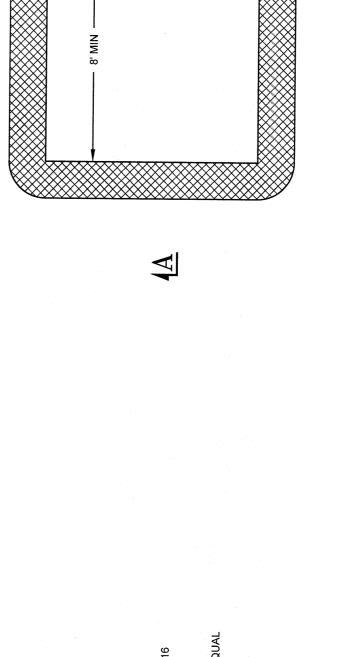
2. SILT SHALL BE REMOVED WHEN HEIGH SILT EXCEEDS 1/2 OF THE EXPOSED S FENCE HEIGHT

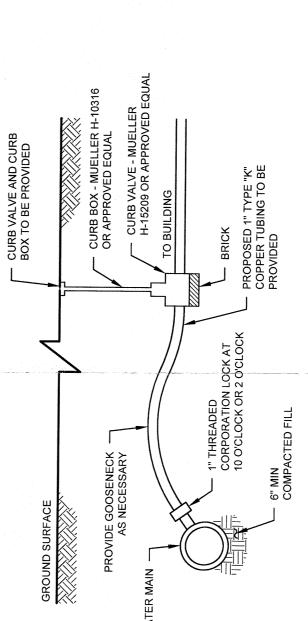
SILT FENCE

SCALE: N.T.S.

NOTES:
1. ITEM NUMBERS REFER TO NYSDOT SPECS.
2. PAVEMENT TO EXTEND FROM CURB TO RIGHT OF WAY LINE.

DRIVEWAY PAVEMENT SECTION





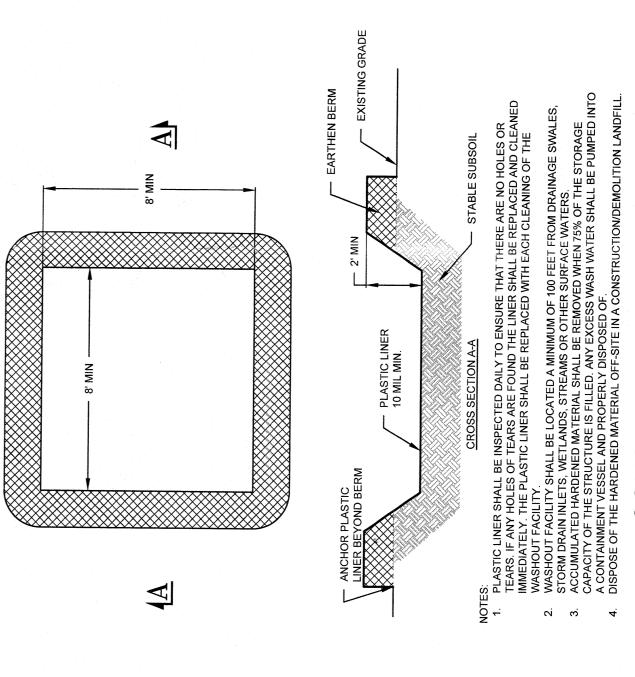
MATED SYSTEM NOTES.	WATER STRIEM NOTES. 1. CONSTRUCTION OF POTABLE WATER LITH LITES AND CONNECTION TO THE TOWN OF	NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH	WATER DEPARTMENT. ALL REQUIREMENTS SHALL CONFORM TO THE REQUIREMENTS	OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE TOWN OF NEWBIRGH	2. ALL WATER SERVICE LINE TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE	K COPPER TUBING. CORPORATION STOPS SHALL BE MUELLER H-15020 FOR \$ AND 1	INCH, MUELLER H-15000 OR B-25000 FOR 14 OR 2 INCH SIZES. CURB VALVES SHALL BE	MUELLER H-1501-2 FOR \$ AND 1 INCH AND MUELLER B-25204 FOR 14 AND 2 INCH SIZES	CURB BOXES SHALL BE MUELLER H-10312 FOR \$ AND 1 INCH AND MUELLER H-10310 FOR	1½ AND 2 INCH SIZES.	3. ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF	NEWBURGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR	COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBIRGH	HILLAND COLL COLL COLL COLL COLL COLL COLL COL
2	> ~				7						က			

DOMESTIC WATER SERVICE CONNECTION SCALE: N.T.S.

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Safely.

before you dig



AN S. WIN AN	ANCHOR PLASTIC LINER BEYOND BERM TO MIL MIN. EARTHEN BERM EXISTING GRADE 10 MIL MIN.	TES: PLASTIC LINER SHALL BE INSPECTED DAILY TO ENSURE THAT THERE ARE NO HOLES OR TEARS. IF ANY HOLES OF TEARS ARE FOUND THE LINER SHALL BE REPLACED AND CLEANED IMMEDIATELY. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE	WASHOUT FACILITY WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL.	CONCRETE WASHOUT

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NOTES

CONSTRUCTION

THE SPECIFICATIONS OF THE TOWN OF NEW

EARTHWORK

ALL WORK TO BE PERFORMED

ALL FILL FOR POND CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.

COMPLETION OF GRADING AND BASIN, BERMS AFTER OCTOBER 15 SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL".

ALL SLOPES IN EXCESS OF 3H:1V SHALL BE CONSTRUCTED WITH LOCALLY AVAILABLE GLACIAL TILL. THE EMBANKMENT FILL SHALL BE PLACED IN SIX-INCHTHICK LIFTS. EACH LIFT SHALL BE PLACED AND COMPACTEI TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557 CONSTRUCT POND EMBANKMENT WITH LOCALLY AVAILABLE GLACIAL TILL WITH 3H:1V SIDE SLOPES OR AS NOTED ON PLAN. THE EMBANKMENT FILL SHALL BE PLACED IN A SIX-INCH THICK CONTINUOUS LAYER OVER THE ENTIRE LENGTH. EACH LIFT SHALL BE PLACED AT OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557. CELLAR, ROOF AND FOOTING DRAINS SHALL CONNECT TO THE STORM DRAINAGE SYSTEM OR OT FREE-FLOWING OUTLET AT A MINIMUM SLOPE OF 0.5%. FOOTING DRAIN SHALL BE INSTALLED BENBOTTOM OF FOOTING.

ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORI 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.

STABILIZERS MAY BE USED UND ALL STORM INLETS TO BE PROTE SYNTHETIC OR ORGANIC SOIL ST SUFFICIENT QUANTITIES.

No.	DATE	No. DATE DESCRIPTION
0	04/22/22	INITIAL SUBMISSION
1	05/19/22	REVISED PER PB COMMENTS 05/02/22
2	07/01/22	REVISED PER PB COMMENTS 05/27/22
	-	
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DRAWING STATUS	SSI 07	ISSUE DATE: 07/01/22	<u> АТЕ:</u> '22
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	S S	SHEET	⊢ H
☐ CONCEPT APPROVAL	N/A	OF	N/A
☑ PLANNING BOARD APPROVAL	4	OF	4
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OCDOH WATERMAIN EXTENSION APPROVAL	N/A	PF	N/A
□ NYSDEC APPROVAL	N/A	OF	N/A
□NYSDOT APPROVAL	N/A	PF	N/A
Потнек	N/A	PF	N/A
☐ FOR BID	N/A	P	N/A
☐ FOR CONSTRUCTION	N/A	9 F	N/A
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HNGINEE & SURVE ROPER Achieving Success with Innovative		HUDS TC ORANG	JOB #: 1325.03 DATE: 02/07/22
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