#### LIST OF DRAWINGS

C-303 DETAILS

REPUTED OWNER:

RIDGEBURY FARMS

TAX MAP ID: 21-1-2.11

DEED BOOK: 4197, PAGE: 242

(FILED MAP 201-00, LOT 1)

пот	OF DIVATINGS	
DRAWING #	TITLE	<u>s</u>
O-100	OVERALL PLAN	
S-2	REALTY SUBDIVISION PLAN	
C-101	SUBDIVISION PLAN	
C-102	SUBDIVISION PLAN	
C-103	SUBDIVISION PLAN	
C-104	EROSION CONTROL PLAN	
C-201	SOILS TESTING RESULTS	
C-301	DETAILS	
C-302	DETAILS	

# BULK REQUIREMENTS

MAXIMUM BUILDING HEIGHT

MAXIMUM LOT COVERAGE

TOWN OF WAWAYANDA - ZO	ONING DISTRIC	CT AR
MINIMUM BUILDING REQUIREMENTS	REQUIRED	PROPOSED
LOT AREA	2 ACRES	> 2 ACRES
LOT WIDTH	150 FEET	> 150 FEET
FRONT YARD	40 FEET	> 40 FEET
REAR YARD	20 FEET	> 20 FEET
SIDE YARD (ONE/BOTH)	20/45 FEET	> 20/45 FEET
MAXIMUM ALLOWABLE		

35%

< 35%

TOWN OF WAWAYANDA - ZO	ONING DISTRIC	CT AR
MINIMUM BUILDING REQUIREMENTS	REQUIRED	PROPOSED
LOT AREA	2 ACRES	> 2 ACRES
LOT WIDTH	150 FEET	> 150 FEET
FRONT YARD	40 FEET	> 40 FEET
REAR YARD	20 FEET	> 20 FEET
SIDE YARD (ONE/BOTH)	20/45 FEET	> 20/45 FEET
MAXIMUM ALLOWABLE		

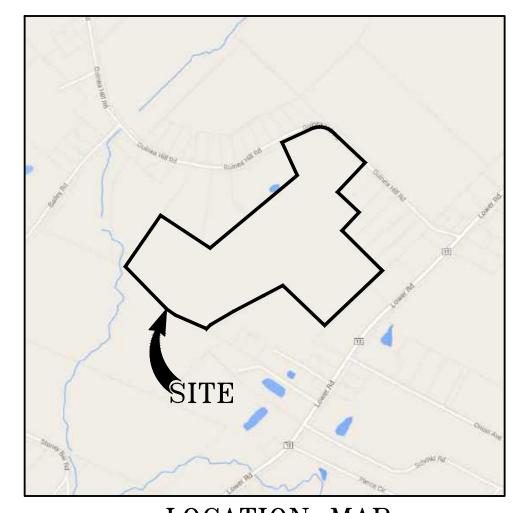
#### GENERAL NOTES 1. TAX MAP IDENTIFICATION NUMBER: 21-1-2.15 2. BOUNDARY AND TOPOGRAPHICAL INFORMATION TAKEN FROM A MAP ENTITLED RIDGEBURY FARMS 2 SUBDIVISION AS PREPARED BY ROGER FERRIS ENGINEERING AND SURVEYING, FILED AS MAP 201-00 WITH THE ORANGE COUNTY CLERK. OWNER/APPLICANT: RIDGEBURY FARMS C/O ALAN WOLPERT 3000 MARCUS AVE, SUITE 1W5 LAKE SUCCESS, NEW YORK 11042

- 4. PROPOSED NUMBER OF LOTS: 8
- 5. THE COMMON DRIVE ON LOTS 5 & 6 SHALL BE PAVED IN ITS ENTIRETY.
- 6. ALL LOTS SHALL BE SERVICED BY INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS AND INDIVIDUAL WELLS.
- 7. ALL KNOWN EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 200' OF THE PROPOSED WELLS AND SEPTIC SYSTEMS ARE SHOWN ON THE PLAN.
- 8. THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- 9. ALL ON SITE SEWAGE DISPOSAL SYSTEMS MUST BE DESIGNED, LAID OUT IN THE FIELD, SUPERVISED AND INSPECTED DURING CONSTRUCTION AND CERTIFIED AS COMPLETE TO THE TOWN ENFORCEMENT IN ACCORDANCE WITH THE APPROVED PLANS AND NEW YORK STATE STANDARDS BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 10. AN AS BUILT MAP OF THE SEWAGE DISPOSAL SYSTEM SHALL BE PREPARED AND SUBMITTED TO THE TOWN CODE ENFORCEMENT PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 11. NO PART OF THE THIS PARCEL BEING DEVELOPED LIES IN A PUBLIC WATER
- SUPPLY WATERSHED.
- 12. RECREATION FEE NOTE: EACH RESIDENTIAL, INDUSTRIAL AND COMMERCIAL SUBDIVISION AND SITE PLAN SHALL CONTRIBUTE RECREATIONAL FEES CALCULATED ON THE BASIS OF THE GROSS FLOOR AREA OF NEW CONSTRUCTION RESULTING FROM THE NEW SUBDIVISION AND SITE PLANS.
- 13. DUE TO THE PROXIMITY OF THE PROJECT SITE TO A KNOWN INDIANA BAT HIBERNACULUM, POTENTIAL INDIANA BAT ROOST TREES SHALL ONLY BE CUT AND REMOVED DURING KNOWN HIBERNATION MONTHS BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST.
- 14. AN INDIVIDUAL LOT PLOT PLAN SHOWING PROPOSED BUIDLING FOOTPRINT, WELL LOCATION, SEPTIC DESIGN, GRADING & EROSION CONTROL SHALL BE SUBMITTED WITH EACH BUILDING PERMIT APPLICATION.
- 15. FEDERAL WETLANDS WERE DELINEATED BY MARK ANDRYSHAK CONSULTING ON OCTOBER 20, 1999.

## LEGEND

	BUILDING LINE
	BUILDING GARAGE LINE
	BUILDING ROOF LINE
310	MAJOR CONTOUR LINE
422	MINOR CONTOUR LINE
	LIMIT OF DISTURBANCE LINE
	DRIVEWAY LINE
	EASEMENT LINE
	SILT FENCE LINES
	MATCHLINES
	PROPERTY LINE
	EDGE OF PAVEMENT LINE
	SEPTIC SYSTEM LATERALS
	BUILDING SETBACK LINES
	STORM DRAIN LINES
>>> _	DRAINAGE SWALE
	EXISTING BUILDING LINE
<del></del> 310 <del></del>	EXISTING MAJOR CONTOUR LINE
422	EXISTING MINOR CONTOUR LINE
	EXISTING CURB LINE
	EXISTING EDGE OF PAVEMENT LINE
	ADJACENT PROPERTY LINE
	EXISTING PROPERTY LINE
	EXISTING EDGE OF SIDEWALK LINES
	EXISTING STORM DRAIN LINES
ACOE ACOE	LIMIT OF ACOE WETLAND
GF = 286.25	GARAGE FLOOR ELEVATION
FF = 288.25	FIRST FLOOR ELEVATION
BF = 278.25	BASEMENT FLOOR ELEVATION
LSE = 284.25	LOWEST SEWERABLE ELEVATION
× 455.78 ⋈ HP	SPOT GRADE ELEVATION
→ 7/15/03 A	PERC TEST LOCATION
<b>⊕</b> -2-A	DEEP TEST HOLE LOCATION
WLF-25	WETLAND FLAG LOCATION AND DESIGNATION
<del></del>	SIGN & POST
(W)	WELL LOCATION
<sub>○</sub> C.O.	SEWER CLEANOUT
<b>℃</b>	UTILITY POLE
<	STORM DRAINAGE PIPE END SECTION
•	6 HOLE DROP BOX
	1250 GALLON SEPTIC TANK

TOWN OF WAWAYANDA - APPROVAL BOX

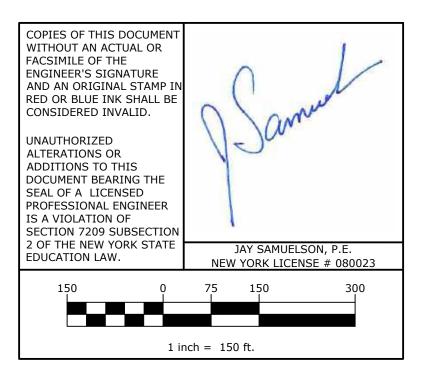


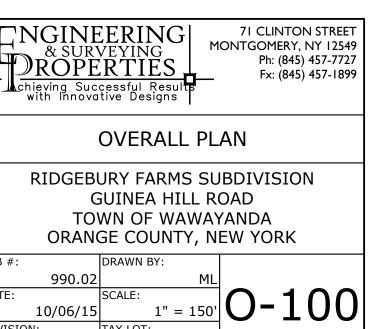
LOCATION MAP SCALE: 1" = 1000'

No.	DATE	DESCRIPTION
1	07/12/16	REVISED PER ENGINEER COMMENTS 01/27/16
2	08/30/16	REVISED PER ENGINEER COMMENTS 07/27/16
3	07/10/18	REVISED PER ENGINEER COMMENTS 09/14/16

DRAWING STATUS	ISSU	JE D	ATE:	
DRAWING STATUS	07/10/18			
THIS SHEET IS PART OF	S	HEE	T	
THE PLAN SET ISSUED FOR	NU	JMBI	ER	
CONCEPT APPROVAL	N/A	OF	N/A	
☑ PLANNING BOARD APPROVAL	1	OF	10	
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A	
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A	
□NYSDEC APPROVAL	N/A	OF	N/A	
□NYSDOT APPROVAL	N/A	OF	N/A	
☐ OTHER	N/A	OF	N/A	
☐FOR BID	N/A	OF	N/A	
☐ FOR CONSTRUCTION	N/A	OF	N/A	
THIS PLAN SET HAS BEEN ISSUED SPECIFICAL	I Y FOR T	HF		

THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).





21-1-2.15

3 - 07/10/18

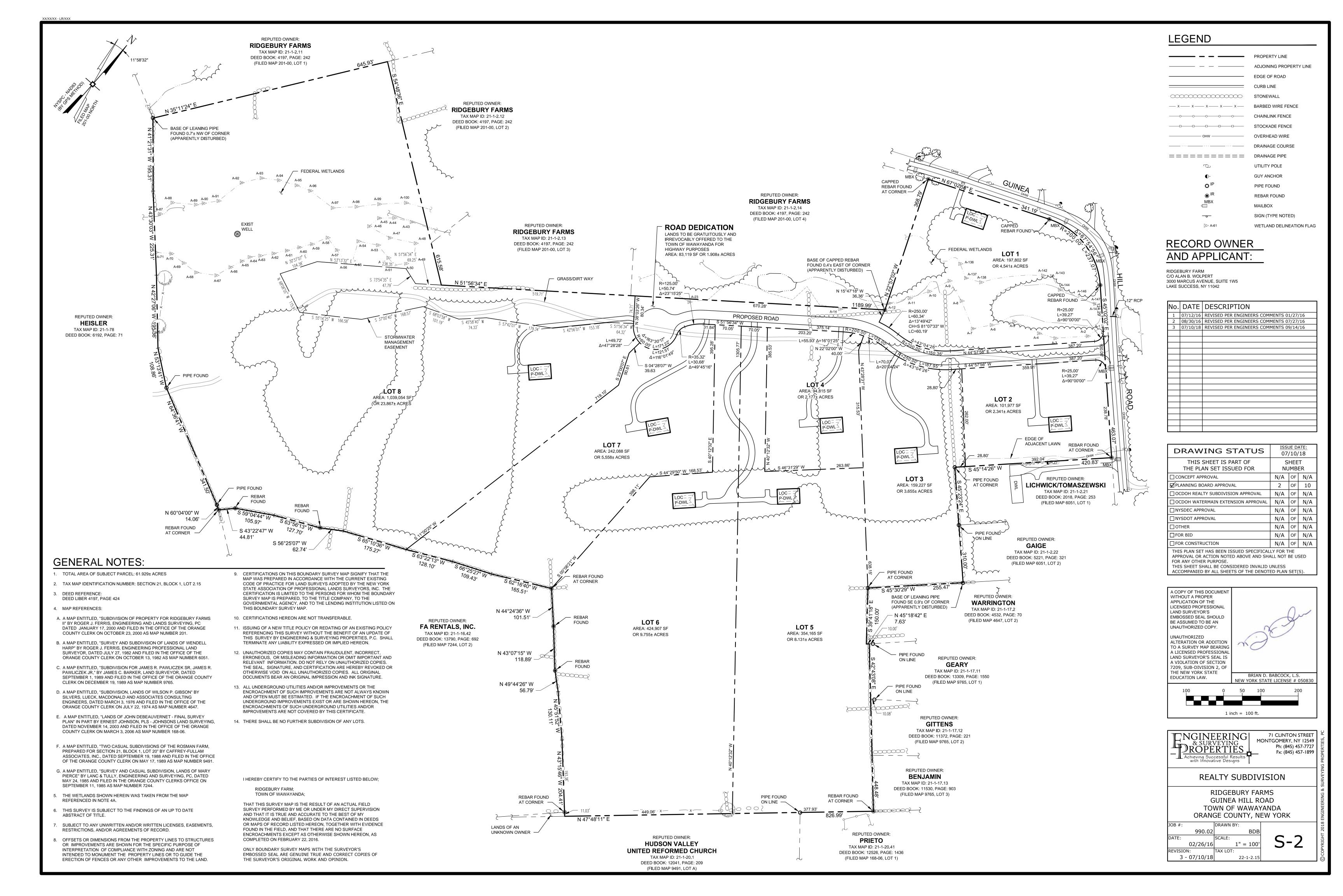
(FILED MAP 201-00, LOT 2) REPUTED OWNER: RIDGEBURY FARMS REPUTED OWNER: TAX MAP ID: 21-1-2.14 RIDGEBURY FARMS DEED BOOK: 4197, PAGE: 242 TAX MAP ID: 21-1-2.13 (FILED MAP 201-00, LOT 4) DEED BOOK: 4197, PAGE: 242 (FILED MAP 201-00, LOT 3) REPUTED OWNER: HEISLER TAX MAP ID: 21-1-78 DEED BOOK: 6192, PAGE: 71 (LOT 4) REPUTED OWNER: LICHWICK/TOMASZEWSKI TAX MAP ID: 21-1-2.21 DEED BOOK: 2018, PAGE: 253 (FILED MAP 6051, LOT 1) REPUTED OWNER: **GAIGE** TAX MAP ID: 21-1-2.22 DEED BOOK: 5221, PAGE: 321 (FILED MAP 6051, LOT 2) **AGRICULTURAL MAP NOTES:** REPUTED OWNER: WARRINGTON IT IS THE POLICY OF THE STATE OF NEW YORK AND THE TOWN OF TAX MAP ID: 21-1-17.2 WAWAYANDA TO CONSERVE, PROTECT AND ENCOURAGE THE DEVELOPMENT REPUTED OWNER: DEED BOOK: 4532, PAGE: 70 AND IMPROVEMENT OF AGRICULTURAL LAND FOR THE PRODUCTION OF FA RENTALS, INC. FOOD AND OTHER PRODUCTS AND ALSO FOR ITS NATURAL AND ECOLOGICAL (FILED MAP 4647, LOT 2) TAX MAP ID: 21-1-16.42 VALUE. THIS NOTICE IS TO INFORM PROSPECTIVE RESIDENTS THAT THE PROPERTY THEY ARE ABOUT TO ACQUIRE LIES PARTIALLY OR WHOLLY DEED BOOK: 13790, PAGE: 692 REPUTED OWNER: WITHIN AN AGRICULTURAL DISTRICT AND THAT FARMING ACTIVITIES ARE THE (FILED MAP 7244, LOT 2) **GEARY** MAIN LAND USE OCCURRING WITHIN THE DISTRICT. SUCH FARMING ACTIVITIES MAY INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING TAX MAP ID: 21-1-17.11 DEED BOOK: 13309, PAGE: 1550 (FILED MAP 9765, LOT 1) 1. THAT FARMING DOES NOT ONLY OCCUR BETWEEN 8:00 A.M. AND 5:00 P.M. AND IS DEPENDENT ON MOTHER NATURE. RESIDENTS SHOULD BE AWARE OF NOISE FROM AGRICULTURAL MACHINERY BEING OPERATED REPUTED OWNER: IN NEARBY FIELDS IN BOTH EARLY MORNING AND EVENING HOURS AND **GITTENS** NOISE FROM CROP DRYING FANS WHICH ARE RUN 24 HOURS A DAY DURING THE HARVESTING SEASON. TAX MAP ID: 21-1-17.12 DEED BOOK: 11372, PAGE: 221 2. THAT THE ROADS LEADING TO AND FROM THE SUBDIVISION ARE (FILED MAP 9765, LOT 2) FREQUENTLY TRAVELED BY FARMERS AND THEIR SLOW MOVING FARM VEHICLES AND EQUIPMENT. REPUTED OWNER: 3. THAT FARM NEIGHBORS VERY OFTEN SPRAY THEIR CROPS WITH **BENJAMIN** PESTICIDES IN ACCORDANCE WITH ACCEPTED PRACTICES REGULATED TAX MAP ID: 21-1-17.13 BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL DEED BOOK: 11530, PAGE: 903 CONSERVATION. (D.E.C. NOTIFICATION LAW 325, OCT. 1988. (FILED MAP 9765, LOT 3) 4. THAT EXISTING AGRICULTURAL OPERATIONS MAY CREATE BOTH UNAVOIDABLE ODORS AND UNSIGHTLINESS COMMONLY ASSOCIATED WITH FARMING OPERATIONS IN THIS AREA. 5. THAT THEIR ARE DANGERS OF LETTING CHILDREN AND PETS ROAM INTO ANY ADJACENT FIELD WHICH IS PRIVATE PROPERTY. THAT RESIDENCES REPUTED OWNER: REPUTED OWNER: FOR SEASONAL FARM LABORERS ARE AN ACCESSORY USE TO FARMING PRIETO **HUDSON VALLEY** ACTIVITIES IN THE AGRICULTURAL ZONES. TAX MAP ID: 21-1-20.41 **UNITED REFORMED CHURCH** 6. BE ADVISED OF THE POSSIBLE NUISANCE OF BLOWING DUST AND BLACK DEED BOOK: 12526, PAGE: 1436 TAX MAP ID: 21-1-20.1 DIRT CAUSED BY WINDSTORMS IN THIS AREA. (FILED MAP 168-06, LOT 1) DEED BOOK: 12041, PAGE: 209 (FILED MAP 9491, LOT A)

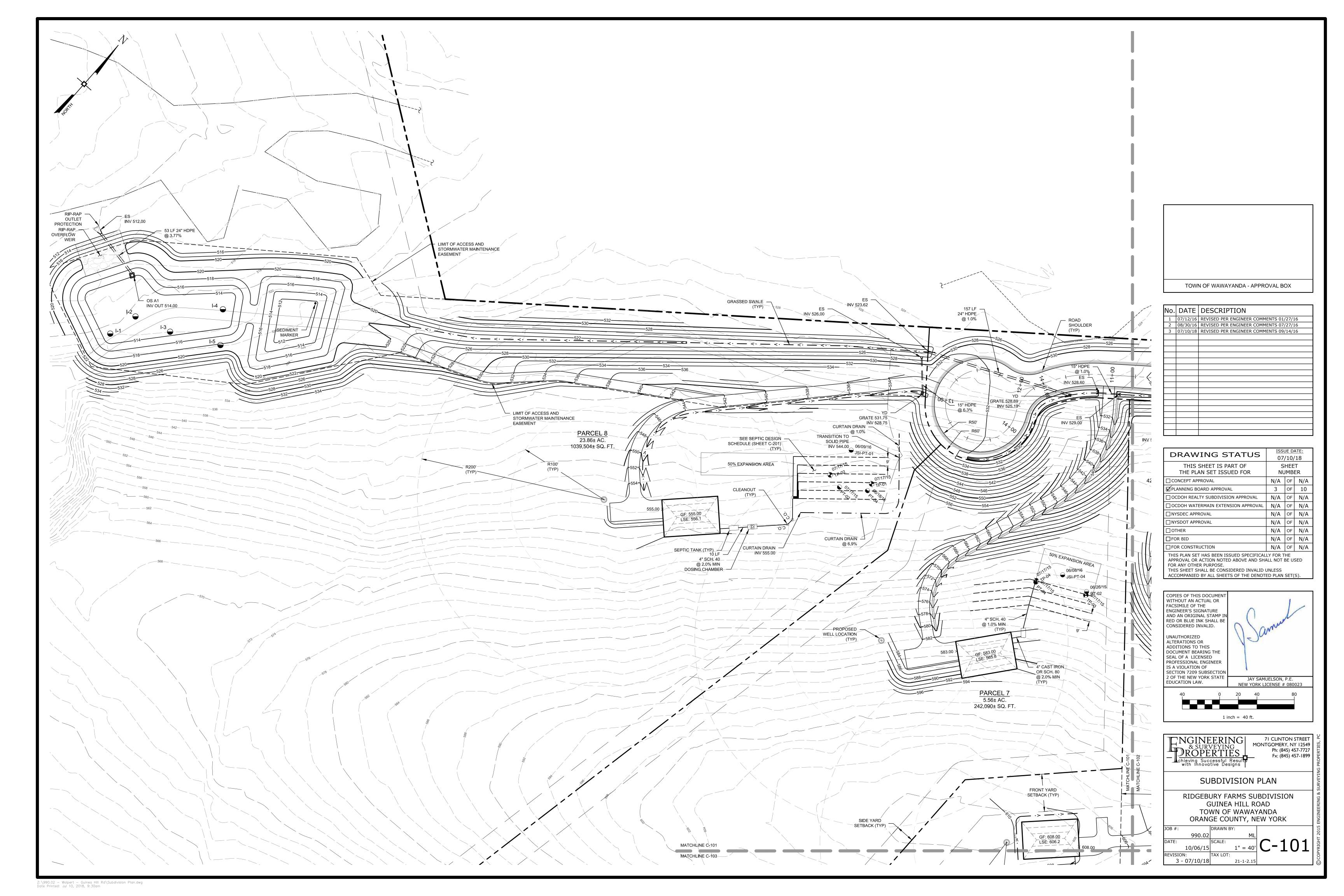
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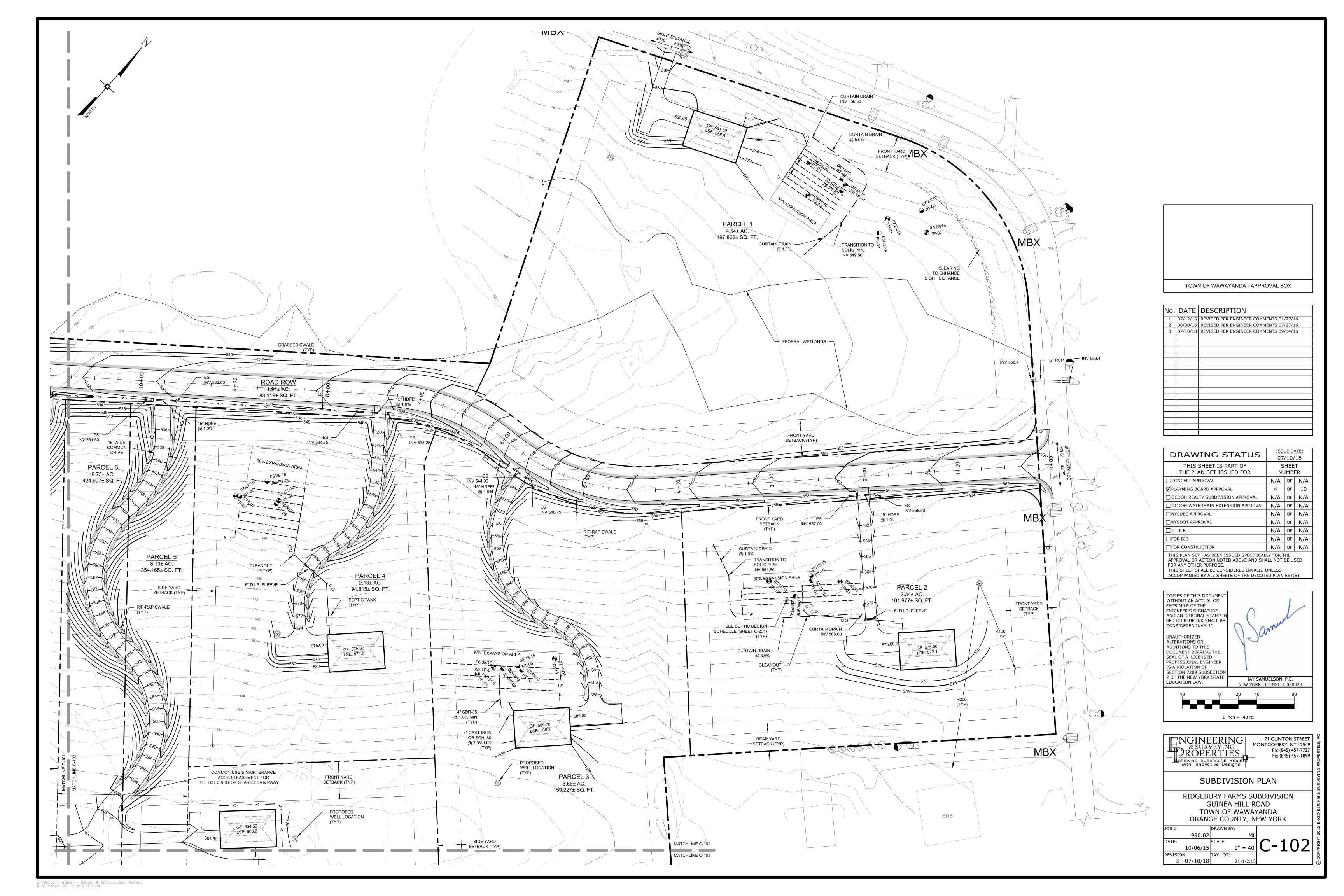
RIDGEBURY FARMS

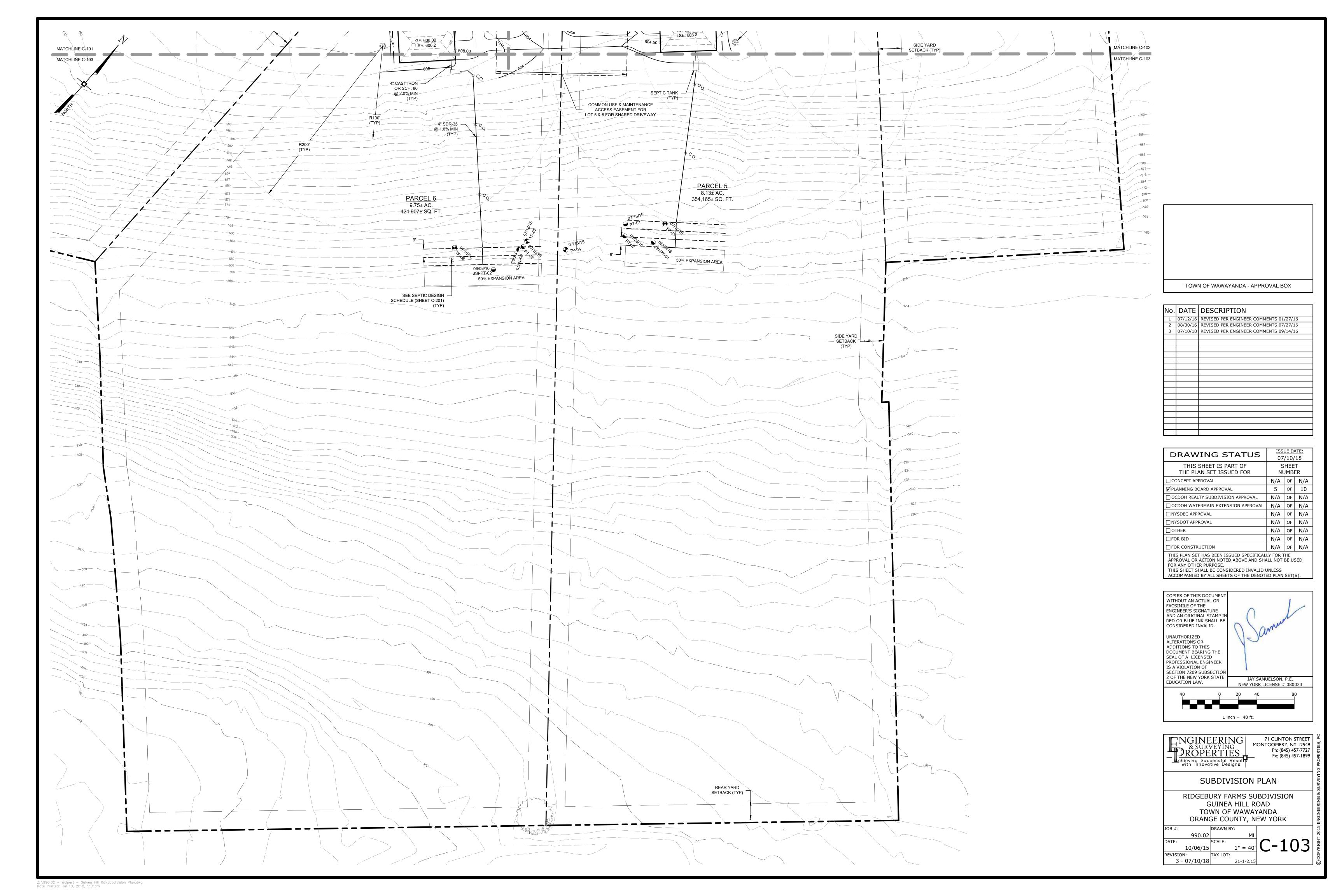
TAX MAP ID: 21-1-2.12

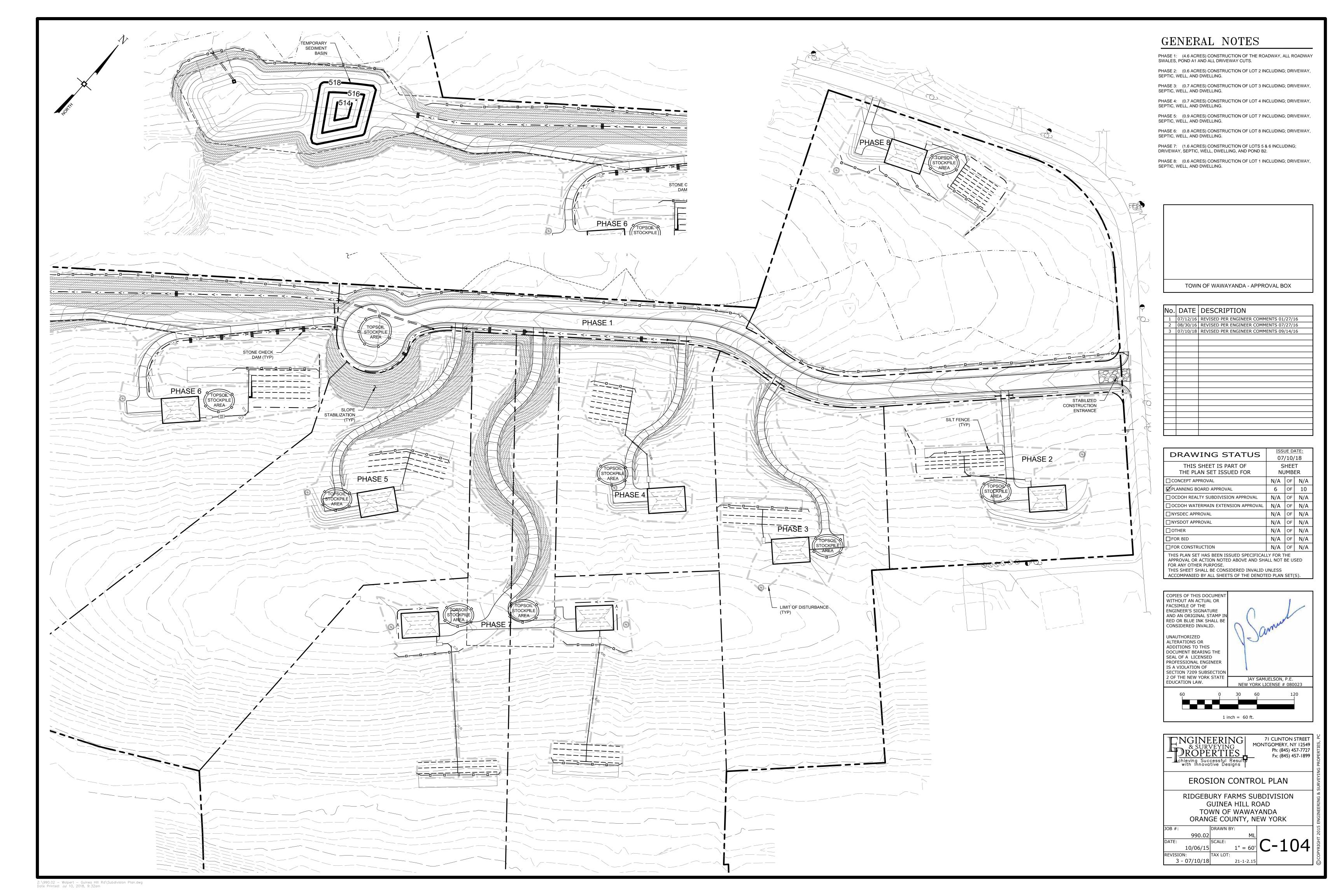
DEED BOOK: 4197, PAGE: 242











LOT#	PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	PE		EST RUNS - STOF 1E FOR 1" DROP I			S			STABLIZED RATE												
		<u> </u>	52				FINISH																		
1	06/14/16 PT-01	24"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						33 MIN												
	P1-01			TIME	00:15:21	00:22:48	00:29:01	00:30:41	00:32:31																
				FINISH																					
1	06/14/16 PT-02	24"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						5 MIN												
	F 1-02			TIME	00:03:08	00:03:53	00:04:15																		
				FINISH																					
1	06/16/16 JSI-PT-01	<b>□ 24</b> "	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						14 MIN												
	331-1-01			TIME	00:09:36	00:14:09	00:14:22						1												
				FINISH																					
2	06/18/15 PT-01	25"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						2 MIN												
	F 1-01			TIME	00:00:45	00:01:38	00:01:51	00:01:59																	
					FINISH																				
2	07/15/15 PT-02	24"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						29 MIN												
	1 1-02			TIME	00:24:50	00:24:50 00:27:10 00:28:01																			
				FINISH																					
2	06/09/16 JSI-PT-04	· ·// ·	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						28 MIN												
	JSI-1 1-04			TIME	00:05:34	00:10:14	00:14:10	00:17:26	00:20:32	00:24:06	00:26:23	00:27:16													
									FINISH																
3	06/18/15 PT-06	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	" 12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						2 MIN
	1-00					TIME	00:00:41	00:01:02	00:01:17	00:01:24					1										
				FINISH																					
3	07/15/15 PT-03	24"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						5 MIN												
	11-03			TIME	00:03:20	00:04:30	00:04:50																		
				FINISH																					
3	06/09/16 JSI-PT-02	1 14	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						10 MIN												
	JSI-F 1-02			TIME	00:04:51	00:08:54	00:09:18																		
				FINISH																					
4	PT-03	26"	12"	START	T STOPWATCH USED FOR TIMED INTERVALS					6 MIN															
				TIME	00:04:57	00:05:23	00:05:49						1												
	07/15/15 PT-05			FINISH																					
4		25"	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						5 MIN												
				TIME	00:03:10	00:03:16	00:04:16	00:04:24																	
				FINISH																					
4	06/08/16 JSI-PT-05	/ <b>5</b>	12"	START	STOPWATCH	USED FOR TIM	ED INTERVALS						17 MIN												
	931-F 1 <b>-</b> 03			TIME	00:12:01	00:16:03	00:16:50						-												

LOT#	PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	P		ST RUNS - STOF E FOR 1" DROP I			;	STABLIZE RATE		
				FINISH									
5	5 06/26/15 PT-03	24"	8"	START	STOPWATCH	USED FOR TIME	D INTERVALS				7 MIN		
P 1-03			TIME	00:03:47	00:06:15	00:06:35							
				FINISH									
5	07/16/15 PT-01	24"	8"	START	STOPWATCH	USED FOR TIME	D INTERVALS				19 MIN		
	P1-01		-	TIME	00:02:46	00:04:22	00:06:15	00:09:05	00:17:46	00:18:44			
				FINISH									
5	06/08/16	24"	8"	START	STOPWATCH	USED FOR TIME	D INTERVALS				11 MIN		
	JSI-PT-01		-	TIME	00:07:53	00:10:01	00:10:53						
				FINISH									
6	06/18/15	25"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				2 MIN		
	PT-05		-	TIME	00:00:46	00:00:56	00:01:06	00:01:09			1		
				FINISH									
6	07/16/15	26"	8"	START	STOPWATCH	USED FOR TIME	D INTERVALS				5 MIN		
	PT-02		_	TIME	00:02:29	00:04:10	00:04:30				-		
				FINISH									
6	06/08/16	26"	8"	START	STOPWATCH	USED FOR TIME	D INTERVALS				4 MIN		
	JSI-PT-02			TIME	00:02:42	00:03:17	00:03:32				1		
				FINISH									
7	06/26/15	24"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				7 MIN		
	PT-02		· <del>-</del>	TIME	00:05:31	00:05:46	00:06:15						
				FINISH									
7	07/17/15	24"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				45 MII		
	PT-04		_	TIME	00:29:32	00:43:12	00:44:59				-		
				FINISH									
7	06/08/16	24"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				8 MIN		
	JSI-PT-04			TIME	00:08:21	00:08:44	00:07:01	00:07:30			1		
				FINISH									
8	06/18/15	24"	24"	24"	11"	START	STOPWATCH	USED FOR TIME	D INTERVALS				3 MIN
-	PT-04			TIME	00:01:06	00:01:34	00:01:59	00:02:10			-		
				FINISH									
8	07/17/15	24"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				37 MII		
_	PT-02			TIME	00:17:04	00:34:26	00:36:16				-		
				FINISH									
8	06/09/16	<b>УД</b>	24"	24"	12"	START	STOPWATCH	USED FOR TIME	D INTERVALS				57 MIN
-	JSI-PT-01		-	TIME	00:24:27	00:35:21	00:54:25	00:56:10			-		

# SEPTIC SYSTEM DESIGN SCHEDULE

LOT	DESIGN PERC RATE (min)	BEDROOMS	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED ABSORPTION FIELD LENGTH (ft)	PROPOSED ABSORPTION FIELD (ft)	SEPTIC TANK SIZE
		3	365 **		730	365	7 ROWS @ 55' EACH = 385'	1,000 GALLONS
1	31-45	4*	475 **	0.50	950	475	8 ROWS @ 60' EACH = 480'	1,250 GALLONS
		3	365 **		730	365	7 ROWS @ 55' EACH = 385'	1,000 GALLONS
2	31-45	4*	475 **	0.50	950	475	8 ROWS @ 60' EACH = 480'	1,250 GALLONS
		3	365 **		522	261	5 ROWS @ 55' EACH = 275'	1,000 GALLONS
3	16-20	4*	475 **	0.70	679	340	6 ROWS @ 60' EACH = 360'	1,250 GALLONS
		3	365 **		608	304	6 ROWS @ 55' EACH = 330'	1,000 GALLONS
4	21-30	4*	475 **	0.60	792	396	7 ROWS @ 60' EACH = 420'	1,250 GALLONS
		3	365 **		608	304	6 ROWS @ 55' EACH = 330'	1,000 GALLONS
5	21-30	4*	475 **	0.60	792	396	8 ROWS @ 50' EACH = 400'	1,250 GALLONS
		3	365 **		522	261	5 ROWS @ 55' EACH = 275'	1,000 GALLONS
6	16-20	4*	475 **	0.70	679	340	6 ROWS @ 60' EACH = 360'	1,250 GALLONS
		3	365 **		730	365	7 ROWS @ 55' EACH = 385'	1,000 GALLONS
7	31-45	4*	475 **	0.50	950	475	8 ROWS @ 60' EACH = 480'	1,250 GALLONS
		3	365 **		812	406	8 ROWS @ 55' EACH = 440'	1,000 GALLONS
8	46-60	4*	475 **	0.45	1056	528	6 ROWS @ 90' EACH = 540'****	1,250 GALLONS

*NOTE: 4 BEDROOM DESIGN DEPICTED ON PLAN.	
**NOTE: 4 BEDROOMS x 110 GPD PER BEDROOM + 35 GPD(BACKWASH)***	= 475 GPD
***NOTE: 35 GPD BACKWASH INCLUDED SHOULD THE HOMEOWNER DESIR	RE TO INSTALL A WATER SOFTENER.
**** DOSING REQUIRED FOR ALL FIELDS WITH GREATER THAN 500 LF	

				11ME 00.24.27 00.33.21					
DEI	EP 7	ΓEST	НО	LE RESULTS					
LOT#	TEST HOLE #	DATE	DEPTH	DESCRIPTION					
1	TP JSI-1	06/28/16	0"-4" 4"-36" 36"-72" 72"-84"	TOPSOIL TAN SILTY LOAM WITH COBBLES BROWN SILTY CLAY LOAM WITH MOTTLING BROWN SILTY SANDY LOAM NO BEDROCK, NO GROUNDWATER, MOTTLING @42"					
1	TP 02	06/28/16	0"-4" 4"-40" 40"-60" 60"-84"	TOPSOIL TAN SILTY LOAM WITH COBBLE BROWN SILTY CLAY LOAM WITH MOTTLING BROWN SILTY CLAY LOAM NO BEDROCK, NO GROUNDWATER, MOTTLING @46"					
2	TP 17	07/17/15	0"-6" 6"-28" 28"-66" 66"-96"	"-28" TAN SILTY LOAM 8"-66" TAN SILTY CLAY LOAM WITH COBBLES					
2	TP 03	07/23/15	0"-10" 10"-40" 40"-98"	TOPSOIL BROWN SANDY LOAM WITH COBBLES BROWN SILTY LOAM - VERY GRAVELLY WITH COBBLES NO BEDROCK, SEEPAGE @ 60", MOTTLING @ 38"					
2	JSI-TP 07	06/08/16	0"-10" 10"-36" 36"-84"	TOPSOIL SILTY LOAM SILTY CLAY LOAM, POCKETS OF MOTTLING NO BEDROCK, NO GROUNDWATER, MOTTLING @ 48"					
3	TP 13	07/17/15	0"-4" 4"-40" 40"-96"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH POCKETS OF MOTTLING AND COBBLE NO BEDROCK, NO GROUNDWATER, MOTTLING @53", POCKET OF SHALE @ 64"					
3	TP 14	07/17/15	0"-4" 4"-48" 48"-96"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY CLAY LOAM WITH COBBLES AND POCKETS OF RIPPABLE SHALE NO BEDROCK, NO GROUNDWATER, MOTTLING @ 50"					
3	JSI-TP 06	06/08/16	0"-8" 8"-40" 40"-84"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY LOAM WITH CLAY WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING					
4	TP 07	07/17/15	0"-6" 6"-54" 54"-96"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY SANDY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING					
4	TP 08	07/17/15	0"-6" 6"-48" 48"-96"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING					

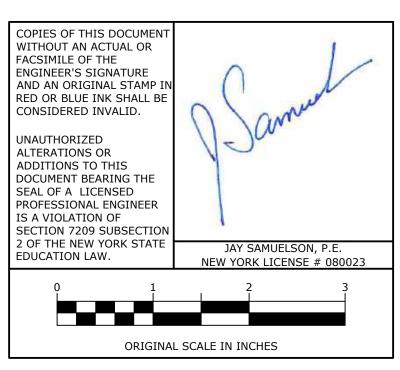
			-	
4	JSI-TP 05	06/08/16	0"-5" 5"-36" 36"-80" 86"-90	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES BROWN SILTY CLAY LOAM WITH GRAVEL AND COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
5	TP 03	07/16/15	0"-4" 4"-36" 36"-96"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
5	TP 04	07/16/15	0"-4" 4"-60" 60"-96"	TOPSOIL TAN SILTY LOAM BROWN SILTY CLAY LOAM WITH COBBLES @ 60" NO BEDROCK, NO GROUNDWATER, MOTTLING @ 60"
5	JSI-TP 01	06/08/16	0"-6" 6"-26" 26"-60" 60"-84"	TOPSOIL LIGHT BROWN SILTY LOAM TAN SILTY CLAY LOAM TAN SILTY CLAY LOAM WITH POCKETS OF MOTTLING NO BEDROCK, NO GROUNDWATER, MOTTLING @ 64"
6	TP 05	07/16/15	0"-4" 4"-42" 42"-64" 64"-96"	TOPSOIL TAN SILTY LOAM BROWN TAN SILTY LOAM WITH COBBLES BROWN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, MOTTLING @ 60"
6	TP 06	07/16/15	0"-4" 4"-46" 46"-72" 72"-96"	TOPSOIL TAN SILTY LOAM TAN SILT LOAM WITH COBBLES BROWN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
6	JSI-TP 02	06/08/16	0"-4" 4"-24" 24"-92"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH SMALL COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
7	TP 03	07/17/15	0"-6" 6"-36" 36"-96"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES @ 84" NO BEDROCK, NO GROUNDWATER, NO MOTTLING
7	TP 04	07/17/15	0"-6" 6"-54" 54"-96"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES @ 84" NO BEDROCK, NO GROUNDWATER, NO MOTTLING
7	JSI-TP 04	06/08/16	0"-9" 8"-52" 52"-80"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
8	TP 01	07/17/15	0"-6" 6"-56" 56"-96"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER , NO MOTTLING
8	TP 02	07/17/15	0"-6" 6"-54" 54"-96"	TOPSOIL TAN SILTY LOAM WITH COBBLES TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, NO MOTTLING
8	JSI-TP 03	06/08/16	0"-8" 8"-36" 36"-84"	TOPSOIL TAN SILTY LOAM TAN SILTY CLAY LOAM WITH COBBLES NO BEDROCK, NO GROUNDWATER, MOTTLING @ 40"

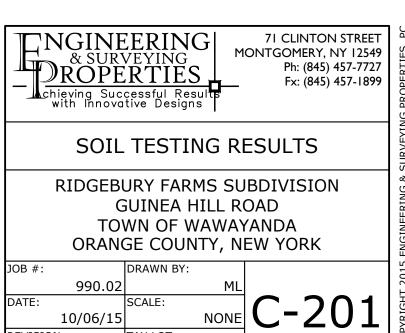
TOWN OF WAWAYANDA - APPROVAL BOX	

No.	DATE	DESCRIPTION
1	07/12/16	REVISED PER ENGINEER COMMENTS 01/27/16
2		REVISED PER ENGINEER COMMENTS 07/27/16
3	07/10/18	REVISED PER ENGINEER COMMENTS 09/14/16

DRAWING STATUS	ISSUE DATE: 07/10/18		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER		
☐ CONCEPT APPROVAL	N/A	OF	N/A
☑PLANNING BOARD APPROVAL	7	OF	10
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
NYSDEC APPROVAL	N/A	OF	N/A
NYSDOT APPROVAL	N/A	OF	N/A
OTHER	N/A	OF	N/A
☐FOR BID	N/A	OF	N/A
FOR CONSTRUCTION	N/A	OF	N/A
THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE			

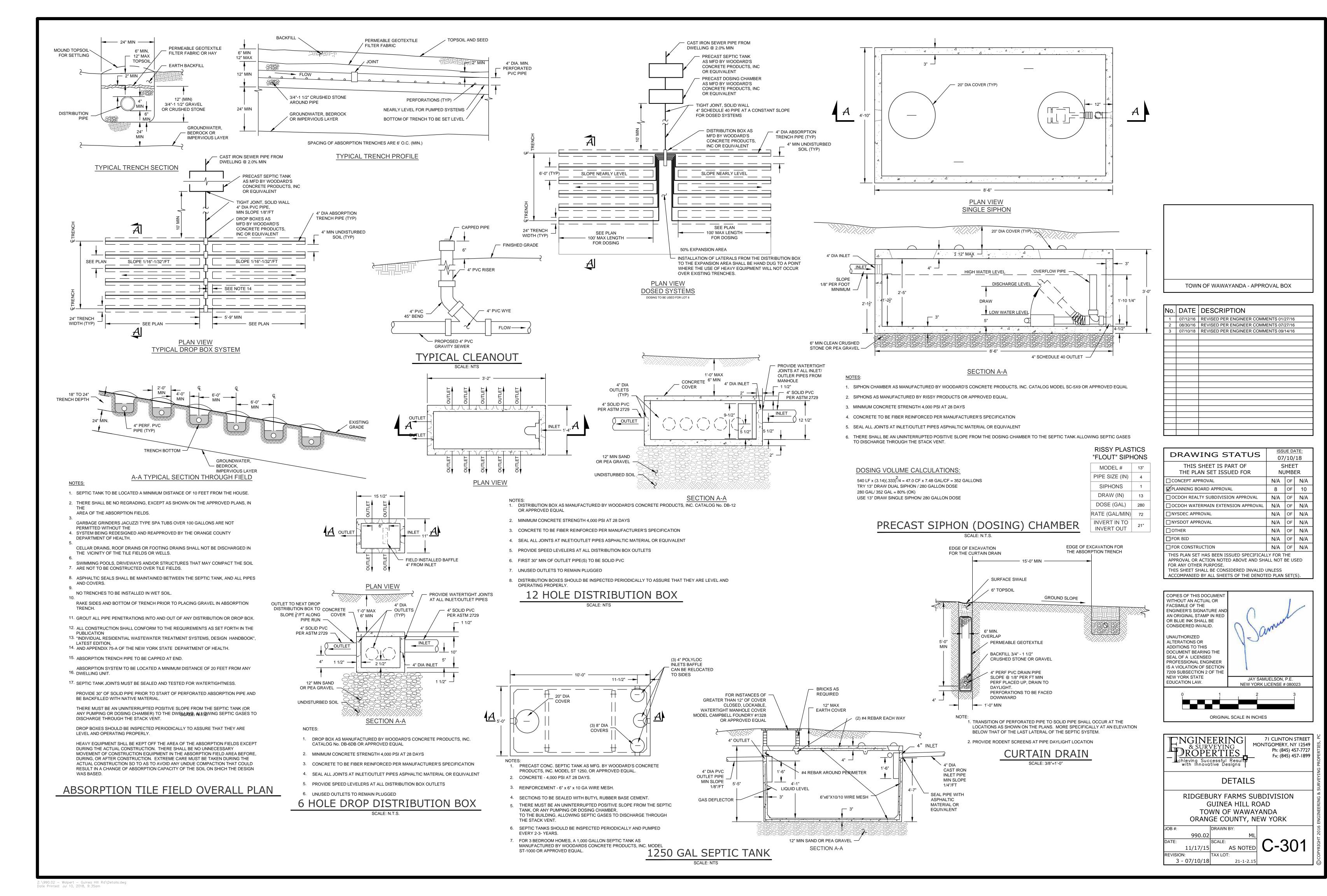
THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.
THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).

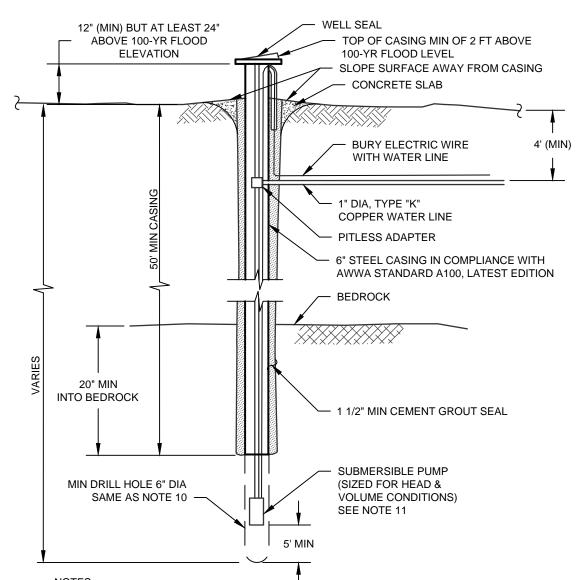




21-1-2.15

3 - 07/10/18





- 1. WELL IS TO BE CASED 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 = 300 600 FEET
- 6. THE WELL CASING TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
- 7. SANITARY WELL SEAL SHALL BE MONITOR MODEL NO 6WE-1, MFG BY THE BAKER MFG CO; EVANSVIILE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
- 8. PITLESS ADAPTOR SHALL BE MONITOR MODEL NO 8PL61U, MFG BY THE BAKER MFG CO; EVANSVIILE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE
- APPROVAL OF THE WATER SYSTEMS COUNSEL. 9. DISCHARGE PIPE : 1" MIN OF TYPE "K" COPPER WATER LINE
- 10. 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.
- 11. PVC PIPE WITH O-RING JOINTS ARE REQUIRED FOR SEWAGE LINES BETWEEN 25 AND 50 FEET OF ANY WELL.
- 12. 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.
- 13. CEMENT GROUT SHALL BE A MIXTURE OF 1 BAG CEMENT (94 LBS) AND 5 1/2 GAL OF CLEAN WATER.
- 14. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- 15. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "RURAL WATER SUPPLY", NYS DEPT OF HEALTH, LATEST EDITION.
- 16. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE THE MINIMUM SEPARATION DISTANCES ARE MET.

# TYPICAL DRILLED WELL SECTION

#### REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS PROPERTY LINE DITCH(b), (g) WELL (f) OR WATERCOURSE (b), DWELLING COMPONENTS SUCTION LINE OR DEC WETLAND HOUSE SEWER 50' SEPTIC TANK 10' 10' EFFLUENT LINE TO D-BOX 10' 10' 50' 50' **DISTRIBUTION BOX** 100' 100' 20' 10' 20' ABSORPTION FIELD 50' 100' (a) 100' 20' SEEPAGE PIT 150' (a) 100' 20' 50' DRY WELL (ROOF & FOOTING) 50' 20' 50' RAISED OR MOUND SYSTEM (c) 100' (a) 100' 20' 50' 20' INTERMITTEN SAND FILTER (c) 100' (a) 100' 50' EVAPOTRANSPIRATION-ABSORPTION SYSTEM (c) 100' (a) 20' 10' 50' COMPOSTER 10' SANITARY PRIVY PIT 100' 20' 20' PRIVY, WATERTIGHT VAULT 50' 10' 10' 20'

- a. WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE AND IN THE GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
- b. MEAN HIGH WATER MARK
- c. FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL
- d. ANY WATER SERVICE LINE UNDER PRESSURE (i.e. PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) LOCATED WITHIN 10 FEET OF ANY ABSORPTION FIELD, SEEPAGE PIT OR SANITARY PRIVY SHALL BE INSTALLED INSIDE A
- e. ANY WATER SERVICE LINE UNDER PRESSURE (i.e. PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) CROSSING A SEWER SHALL BE INSTALLED WITH ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE THE SEWER SO BOTH WATER CONNECTING JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER. SECTION 8.6 OF THE GLUMRB RECOMMENDED STANDARDS FOR WATER WORKS, SHALL BE FOLLOWED FOR SEPARATION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS
- THE MINIMUM SEPARATION DISTANCE BETWEEN A SEPTIC TANK AND COMMUNITY TYPE PUBLIC WATER SUPPLY WELL SHOULD BE 100 FEET. DISTRIBUTION BOXED AND ABSORPTION FACILITIES (e.g., LOCATED A T LEAST 200 FEET FROM THE COMMUNITY TYPE PUBLIC WATER SUPPLY WELLS

#### g. RECOMMENDED SEPARATION DISTANCES

#### ADDITIONAL SEPARATION REQUIREMENTS

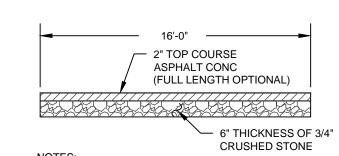
- 1. WELL TO SWALE, WATERCOURSE OR STREAM 25'
- 2. ABSORPTION FIELD TO OPEN DRAINAGE, CULVERT, OR STORM SEWER(NON-GASKETED PIPE) OR CATCH BASIN - 50'
- 3. ABSORPTION FIELD TO CULVERT OF STORM SEWER (GASKETED, TIGHT PIPE) 35'

LARGER DIAMETER WATER MAIN TO PROTECT THE POTABLE WATER SUPPLY

4. ABSORPTION FIELD TO CURTAIN DRAIN - 15'

SLOPES - 25'

- 5. ABSORPTION FIELD, PITS, EXPANSION AREA, TO TOP OF EMBANKMENT OR STEEP( 1 ON 3)
- 6. DRAINAGE PIPES WITHIN 25' OF ANY WELL MUST BE WATERTIGHT
- 7. WELL TO CEMETERY PROPERTY LINE 100'



1. DRIVEWAYS SHALL NOT EXCEED 15% GRADE

2. TO USED FOR LOTS 5 & 6. DRIVEWAY TO BE PAVED

### FINAL GRADE SURFACE TREATMENT (AS PER PLAN) 2'-0"MIN + DIA ---STABLE UNDISTURBED SOIL BACKFILL TO BE PLACED IN 8" LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1537 **BACKFILL WITH EXCAVATED** TRENCH MATERIAL FREE OF DELETERIOUS MATERIAL AND STONES OVER 6" DIA (SEE NOTE 2) CLEAN 3/4" CRUSHED STONE PER PLAN) BOTTOM OF TRENCH

# NOTES:

1. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC; SHALL BE WITH R.O.B. GRAVEL (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF

MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST.

- 2. ALL DRAINAGE PIPE SHALL BE HDPE WITH A SMOOTH INVERT
- 3. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

## DRAINAGE PIPE TRENCH

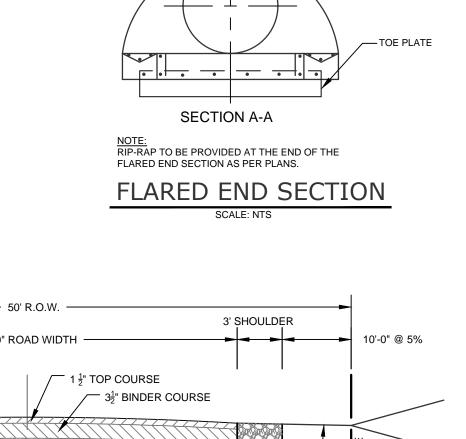
SWALE TO BE GRADED TO

MEET DRIVEWAY CULVERT

MAXIMUM SLOPE

INVERTS AS SHOWN ON





PIPE DIA

IN ACCORDANCE WITH

MANUFACTURER

PLAN

— END OF PIPE

- FLAT STRAP OR

- END SECTION

-REINFORCED

TOWN OF WAWAYANDA - APPROVAL BOX

1 07/12/16 REVISED PER ENGINEER COMMENTS 01/27/16

2 | 08/30/16 | REVISED PER ENGINEER COMMENTS 07/27/16

3 07/10/18 REVISED PER ENGINEER COMMENTS 09/14/16

ISSUE DATE:

SHEET

NUMBER

N/A OF N/A

9 OF 10

N/A OF N/A

JAY SAMUELSON, P.E.

NEW YORK LICENSE # 080023

71 CLINTON STREET MONTGOMERY, NY 12549

Ph: (845) 457-7727 Fx: (845) 457-1899

No. DATE DESCRIPTION

DRAWING STATUS

THIS SHEET IS PART OF

THE PLAN SET ISSUED FOR

OCDOH REALTY SUBDIVISION APPROVAL

□ OCDOH WATERMAIN EXTENSION APPROVAL | N/A OF N/A

THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE

APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED

ORIGINAL SCALE IN INCHES

**DETAILS** 

RIDGEBURY FARMS SUBDIVISION

GUINEA HILL ROAD

TOWN OF WAWAYANDA

ORANGE COUNTY, NEW YORK

21-1-2.15

as noted C-302

THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).

CONCEPT APPROVAL

NYSDEC APPROVAL

NYSDOT APPROVAL

☐ FOR CONSTRUCTION

FOR ANY OTHER PURPOSE.

COPIES OF THIS DOCUMENT

ENGINEER'S SIGNATURE AND

AN ORIGINAL STAMP IN RED OR BLUE INK SHALL BE

CONSIDERED INVALID.

DOCUMENT BEARING THE

PROFESSIONAL ENGINEER

7209 SUBSECTION 2 OF THE

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PROPERTIES.

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11/17/15

3 - 07/10/18

SEAL OF A LICENSED

UNAUTHORIZED

ALTERATIONS OR

NEW YORK STATE

EDUCATION LAW.

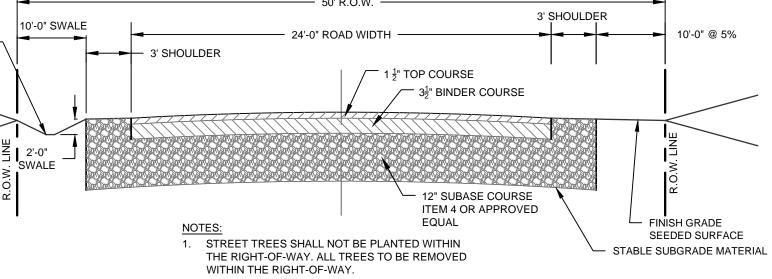
ADDITIONS TO THIS

WITHOUT AN ACTUAL OR FACSIMILE OF THE

OTHER ☐ FOR BID

PLANNING BOARD APPROVAL

THREADED ROD



2. MINIMUM 15" CULVERT TO BE PROVIDED AT ALL

# TYPICAL DRIVEWAY CROSS-SECTION

6" THICKNESS OF 3/4"

CRUSHED STONE

— 6" THICKNESS OF 3/4

CRUSHED STONE

NOTE:

NOTES:

1. ROAD SHALL NOT EXCEED 10% GRADE

GRAVEL ACCESS ROAD

12'-0"

1. DRIVEWAYS SHALL NOT EXCEED 15% GRADE

3. TO BE USED FOR LOTS 1, 2, 3, 4, 7 & 8.

**SWALE SIZING** 

SWALE LOCATION D W X

DRIVEWAY(S) | 12" | 12" | 3

24" 24" 2

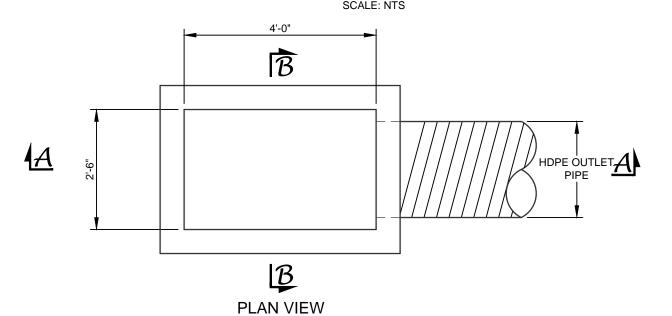
ROADSIDE

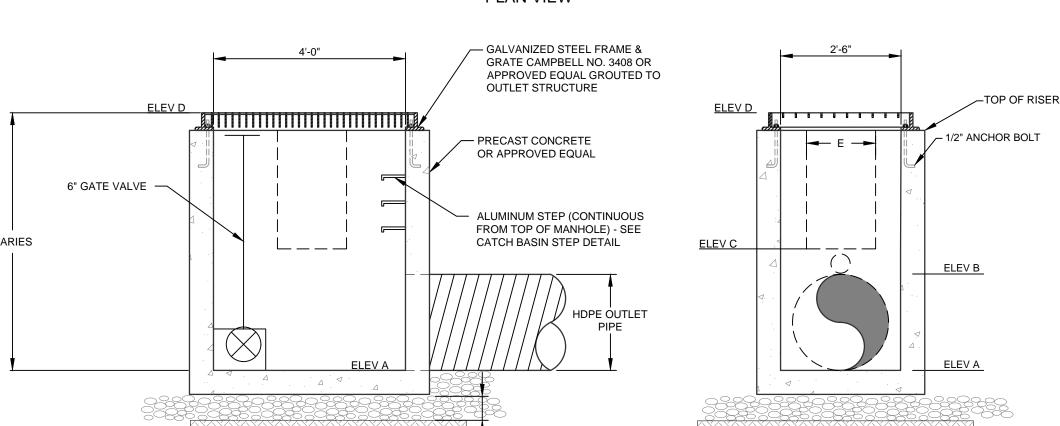
2. DRIVEWAYS SHALL BE PAVED FROM THE EDGE OF THE ROAD TO THE R.O.W. LINE AT A MINIMUM

- 2" TOP COURSE ASPHALT CONC

(FULL LENGTH OPTIONAL)

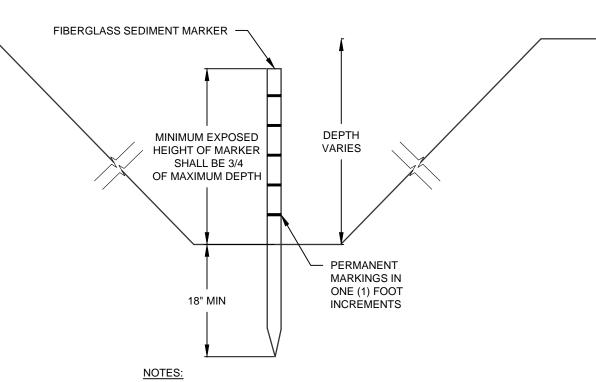
#### 3. SWALE TO BE PAVED IN AREAS IN EXCESS OF 6%. RURAL ROAD WITHOUT CURB CROSS-SECTION





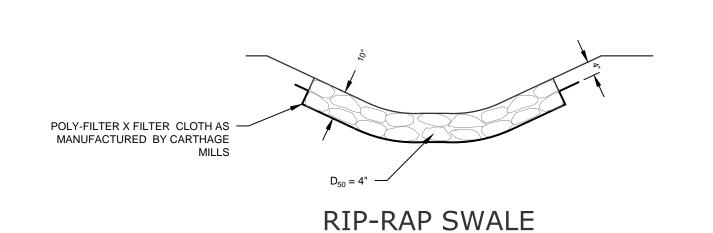
1. FOR LENGTH, SIZE AND SLOPE OF OUTLET PIPE SEE PLAN. DETENTION POND OUTLET CONTROL STRUCTURE

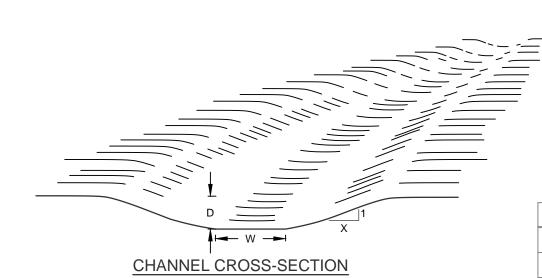
# SHARED DRIVEWAY CROSS-SECTION



1. ACCUMULATED SEDIMENT SHALL BE REMOVED UPON REACHING A LEVEL OF 50% OF THE MAXIMUM PONDING DEPTH

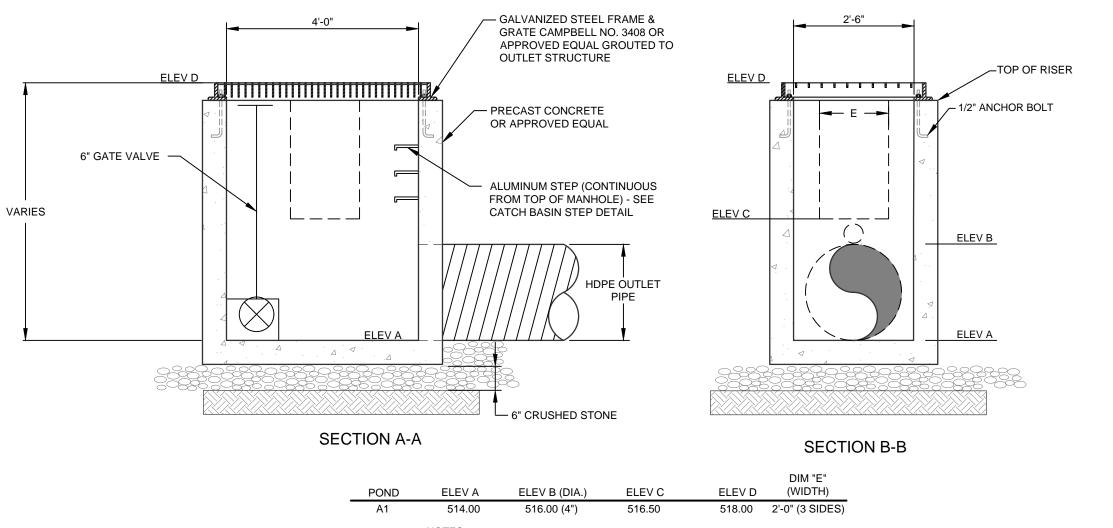
SEDIMENT MARKER SCALE: NTS

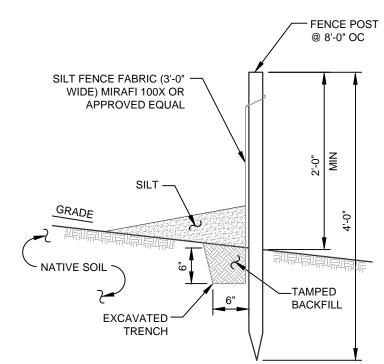




### CONSTRUCTION SPECIFICATIONS

- 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
- 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
- 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.
- 5.A. FOR DESIGN VELOCITIES OF LESS THAN 3.5 FT/PER SEC., SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY DIVERSIONS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE WATERWAY DURING THE ESTABLISHMENT OF THE VEGETATION.
- 5.B. FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT/PER SEC., THE WATERWAY SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS
- 6. FOR A SWALES IN EXCESS OF 6% GRADE, THE SWALE MUST BE LINED WITH SWALE SCALE: N.T.S.

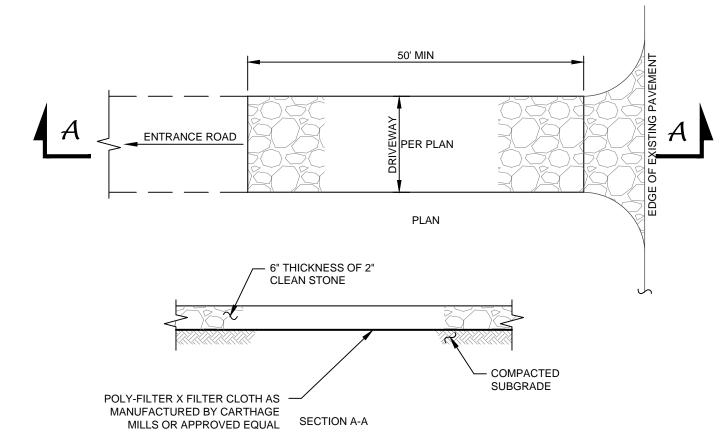




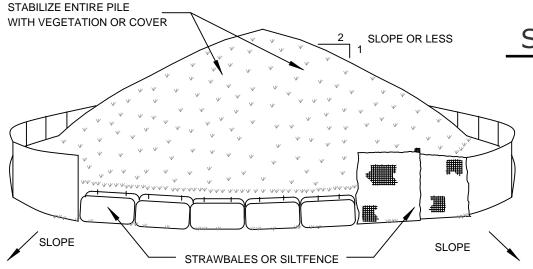
- NOTES:
- 1. SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD. 2. SILT SHALL BE REMOVED WHEN

HEIGHT OF SILT EXCEEDS 1/2 OF

THE EXPOSED SILT FENCE HEIGHT.



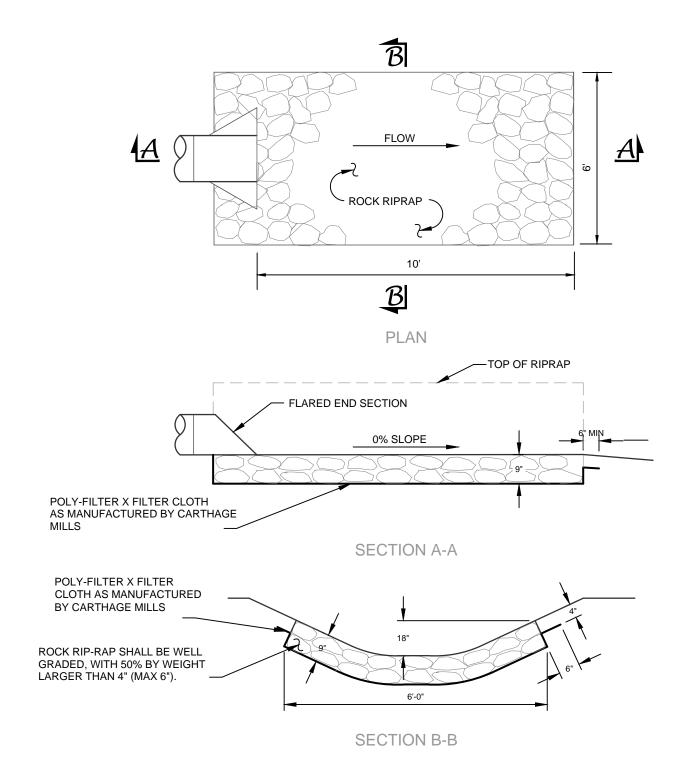
- 1. STONE SIZE USE 2" STONE MIN, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. WIDTH 30 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 3. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. 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 USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 5. WASHING WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE 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



# STABILIZED CONSTRUCTION ENTRANCE

NOTES:

- I. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED A WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
- 4. SEE SPECIFICATIONS (NYSDEC MANUAL) FOR INSTALLATION OF SILTFENCE.



#### FES OUTLET PROTECTION SCALE: NTS

# TOP OF SLOPE <del>\_\_\_\_\_</del>

- 1. ROLLED EROSION CONTROL PRODUCT (RECP'S) SHALL BE USED ON ALL CONSTRUCTED SLOPES GREATER THAN 3 HORIZONTAL
- 2. PREPARATION OF THE SOIL INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY RECP'S.
- 3. INSTALL RECP NORTH AMERICAN GREEN BIONET S150BN OR APPROVED EQUAL. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIAMTELY 12" APART IN THE BOTTON OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACE APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
- 4. ROLL THE RECP'S DOWN THE SLOPE OR HORZONTALLY ACROSS THE SLOPE. ALL RECP'S MUST BE SECURLY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE PRODUCT'S STAPLE PATTERN
- 5. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" TO 5" OVERLAP DEPENDING ON RECP'S TYPE.
- 6. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIAMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS THE ENTIRE RECP'S WIDTH.

SLOPE STABILIZATION (ROLLED EROSION CONTROL PRODUCT)

# EARTHWORK

TOWN OF MONTGOMERY.

2. ALL TOPSOIL, ROOTS, STUMPS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM ALL ROAD, DRIVEWAY AND DWELLING CONSTRUCTION AREAS

1. ALL WORK TO BE PERFORMED TO THE SPECIFICATIONS OF THE

- 3. ALL PROPOSED ROADWAY AREAS THAT ARE TO BE FILLED, SHALL BE FIRST PREPARED BY STRIPPING ALL TOPSOIL AND REMOVING ALL SOFT. WET OR ORGANIC SOIL THAT CANNOT BE COMPACTED BY PROOFROLLING WITH A VIBRATORY ROLLER WEIGHING AT LEAST 10 TONS. PROOFROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND SOIL WHICH CANNOT BE COMPACTED SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- 4. ALL FILL FOR BIO-RETENTION FACILITY CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557
- 5. CELLAR, ROOF AND FOOTING DRAINS SHALL DISCHARGE TO DAYLIGHT THROUGH A FREE-FLOWING OUTLET AT A MINIMUM SLOPE
- 6. COMPLETION OF GRADING OF THE ROAD SIDE SWALES AND/OR BIO-RENTION FACILITY INCLUDING BERMS AFTER OCTOBER 15, SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL".
- 7. 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 COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
- SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PERVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:
- 8.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL
- 8.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.
- 8.C. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
- 8.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
- 8.E. VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN.

## **EROSION & SEDIMENTATION** CONTROL NOTES

- 1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS.
- 2. ORANGE CONSTRUCTION FENCE LOCATIONS AROUND ALL SEPTIC SYSTEM AREAS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT THE SEPTIC AREAS. THE ORANGE CONSTRUCTION FENCING SHALL ONLY BE REMOVED AT TIME ACTUAL CONSTRUCTION OF THE SEPTIC SYSTEM.
- 3. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES, TEMPORARY SWALES, STONE CHECK DAMS, TEMPORARY SEDIMENT BASINS, RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION OF THE PROPOSED ROADWAY OR DWELLING UNITS.
- 4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION: 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING
- COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES. 4.2. LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY PH OF
- SOIL TEST RESULTS OR AT A RATE OF 600 LBS. PER ACRE. 4.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS.

4.3. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED PER

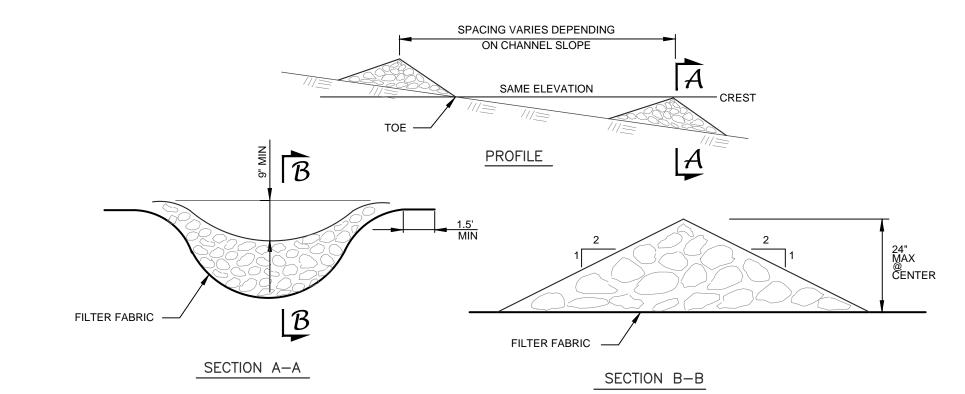
CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) PER ACRE. 4.5. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE:

#### 8 LBS EMPIRE BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER PER

- 4.6. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING, UNLESS OTHERWISE APPROVED. 4.7. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE
- WITH A HYDROSEEDER, OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
- 5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORMED 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.
- 6. 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.
- 7. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
- 8. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN SUFFICIENT QUANTITIES.
- 9. MULCH NETTING SUCH AS PAPER, JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED. STAPLE IN PLACE. OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 10. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING LIME AND FERTILIZER AS SPECIFIED ABOVE AND SEEDING WITH THE FOLLOWING

PERENNIAL RYE GRASS CROWN VETCH SPREADING FESCUE

11. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15.



#### **CONSTRUCTION SPECIFICATIONS:**

CUTTING AROUND THE DAM.

1. STONE SHALL BE MAXIMUM SIZE OF 12" WITH 50 TO 100 PERCENT BY WEIGHT LARGER THAN 6" AND 0 TO 10 PERCENT SMALLER THAN 1/2".

- 2. FILTER FABRIC SHALL BE POLY-FILTER X CLOTH AS MANUFACTURED BY CARTHAGE MILLS
- 3. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION AT LOCATIONS SHOWN ON THE PLAN.
- 4. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
- 5. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT
- 6. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- 7. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

STONE CHECK DAM

TOWN OF WAWAYANDA - APPROVAL BOX

No.	DATE	DESCRIPTION
1	07/12/16	REVISED PER ENGINEER COMMENTS 01/27/16
2	08/30/16	REVISED PER ENGINEER COMMENTS 07/27/16
3	07/10/18	REVISED PER ENGINEER COMMENTS 09/14/16

DRAWING STATUS	ISSUE DATE:		
DRAWING STATUS	07/10/18		
THIS SHEET IS PART OF	SHEET		
THE PLAN SET ISSUED FOR	NUMBER		
CONCEPT APPROVAL	N/A	OF	N/A
☑ PLANNING BOARD APPROVAL	10	OF	10
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
NYSDEC APPROVAL	N/A	OF	N/A
□NYSDOT APPROVAL	N/A	OF	N/A
OTHER	N/A	OF	N/A
☐FOR BID	N/A	OF	N/A
FOR CONSTRUCTION	N/A	OF	N/A
THIS PLAN SET HAS BEEN ISSUED SPECIFICAL	LY FOR T	HE	

APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).

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ORIGINAL SCALE IN INCHES

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RIDGEBURY FARMS SUBDIVISION GUINEA HILL ROAD TOWN OF WAWAYANDA ORANGE COUNTY, NEW YORK

AS NOTED

3 - 07/10/18 21-1-2.15