



**TOWN OF NEWBURGH  
PLANNING BOARD  
TECHNICAL REVIEW COMMENTS**

**PROJECT NAME:** SUBDIVISION LANDS OF RIVERA-38 ROSALINE LANE  
**PROJECT NO.:** 22-24  
**PROJECT LOCATION:** SECTION 111, BLOCK 2, LOT 20 & 21  
**REVIEW DATE:** 13 JANUARY 2023  
**MEETING DATE:** 19 JANUARY 2023  
**PROJECT REPRESENTATIVE:** DARREN DOCE P.E.

1. Copies of the existing private road access and maintenance agreement have been provided to the Planning Board Attorney for review.
2. The project received approval from the Town Board on 28 December 2022 for a three lots on a common driveway. Common Driveway Access and Maintenance Agreement will be required.
3. Fire Department turn around is required due to the length of the driveway. Fire Department turn around should be provided in accordance with NYS Fire Code Appendix D.
4. Based on a review of the plans submitted to date this office would recommend a Negative Declaration for the lot change and subdivision.
5. The project requires a Public Hearing. Planning Board may wish to schedule the Public Hearing at the next available date.

Respectfully submitted,

**MHE Engineering, D.P.C.**

A handwritten signature in blue ink that reads 'Patrick J. Hines'.

Patrick J. Hines  
Principal

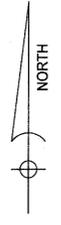
PJH/kbw

**NEW YORK OFFICE**

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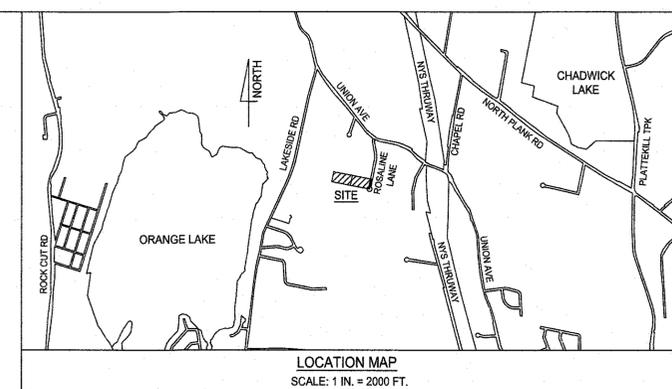
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SDS DESIGN BASIS		
	LOT NO. 2	LOT NO. 3
NO. OF BEDROOMS	4	4
DAILY FLOW (GPD)	440	440
SEPTIC TANK CAPACITY (GAL)	1250	1250
DESIGN PERCOLATION RATE (MIN/IN)	43	45
*ABSORPTION TRENCH REQUIRED (LF)	330 LF	330 LF
*ABSORPTION TRENCH PROVIDED (LF)	360 LF 6 LATS @ 60 LF EA.	360 LF 6 LATS @ 60 LF EA.
*TYPE OF SYSTEM	ABSORPTION TRENCH QUALIFYING OPEN BOTTOM GRAVELLESS CHAMBERS	ABSORPTION TRENCH QUALIFYING OPEN BOTTOM GRAVELLESS CHAMBERS

- LEGEND:**
- TP/PH - PERCOLATION TEST/DEEP TEST LOCATION
  - ST - SEPTIC TANK
  - DB - DISTRIBUTION BOX
  - WELL
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - STONE WALL

\*QUALIFYING OPEN-BOTTOM GRAVELLESS CHAMBERS  
 ADVANCED DRAINAGE SYSTEMS ARC 24 SEPTIC CHAMBERS (72 CHAMBERS)  
 INFILTRATOR SYSTEMS QUICK 4 EQUALIZER 36 CHAMBERS (90 CHAMBERS),  
 OR AN APPROVED EQUAL.



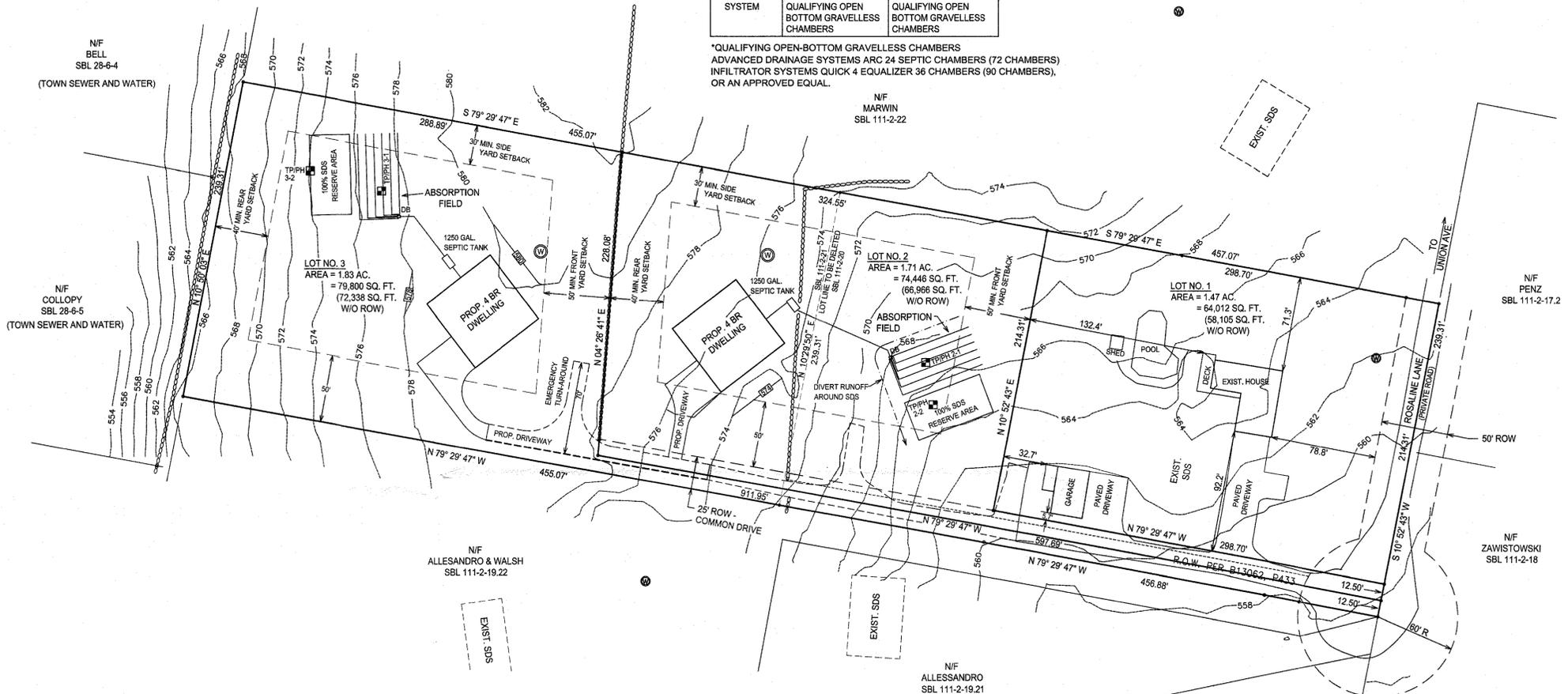
LOCATION MAP  
SCALE: 1 IN. = 2000 FT.

ZONE R-1 REGULATION	MINIMUM REQUIRED	MINIMUM PROPOSED		
		LOT NO. 1	LOT NO. 2	LOT NO. 3
LOT AREA	40,000 SQ. FT.	64,012 SQ. FT.	74,446 SQ. FT.	79,800 SQ. FT.
LOT WIDTH	150 FT.	214.3 FT.	214.3 FT.	240.7 FT.
LOT DEPTH	150 FT.	273.7 FT.	311.0 FT.	304.9 FT.
FRONT YARD	50 FT.	78.8 FT.	177.5 FT.	52.4 FT.
REAR YARD	40 FT.	132.4 FT.	43.2 FT.	166.5 FT.
ONE SIDE YARD	30 FT.	71.3 FT.	51.2 FT.	60.9 FT.
BOTH SIDE YARDS	80 FT.	163.5 FT.	129.6 FT.	154.6 FT.

LOT BUILDING COVERAGE	MAXIMUM PERMITTED	MAXIMUM PROPOSED		
		LOT NO. 1	LOT NO. 2	LOT NO. 3
LOT BUILDING COVERAGE	10 %	3.3 %	5.4 %	5.0 %
LOT SURFACE COVERAGE	20 %	17.8 %	14.5 %	10.9 %
BUILDING HEIGHT	35 FT.	≤35 FT.	≤35 FT.	≤35 FT.

- GENERAL NOTES:**
- OWNER AND APPLICANT: ADOLFO H. AND LISA A. RIVERA  
38 ROSALINE LANE  
NEWBURGH, NY 12550
  - TAX MAP DATA: SECTION 111 BLOCK 2 LOTS 20 AND 21
  - PARCEL AREAS: SBL 111-2-20 = 2.50 AC.  
SBL 111-2-21 = 2.51 AC.
  - THE LOCATIONS (HORIZONTAL AND VERTICAL) AND SIZES OF UNDERGROUND UTILITIES SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION, ELEVATION AND SIZE OF ANY EXISTING UNDERGROUND UTILITY. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS TO LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT MAKING REVISIONS AS NEEDED.
  - ANY EXISTING STRUCTURE, CURB, PAVED AREA, LANDSCAPED AREA, ETC. DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
  - IT IS THE DEVELOPER'S OR CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY NECESSARY PERMITS REQUIRED FROM FEDERAL, STATE OR LOCAL AUTHORITIES.
  - PRIOR TO SITE DISTURBANCE, THE OWNER SHALL HAVE THE SEWAGE DISPOSAL FIELD LOCATIONS CLEARLY MARKED. THIS AREA SHALL NOT BE DISTURBED UNTIL THE SEPTIC SYSTEM IS TO BE INSTALLED. STRIPPING TOPSOIL IN THIS AREA IS STRICTLY PROHIBITED.
  - THE BOUNDARY AND TOPOGRAPHICAL INFORMATION SHOWN HEREON IS AS PER A SURVEY MAP PREPARED ON SEPTEMBER 20, 2022 BY MARTIN F. ANTHONISEN, JR., PLS, NYS REGISTRATION NO. 050764-1.
  - THE EXISTING WELL LOCATIONS SHOWN ARE AS PER THE ABOVE MENTIONED FIELD SURVEY EXCEPT AS NOTED.
  - THE EXISTING SEWAGE DISPOSAL SYSTEM LOCATIONS SHOWN ARE AS PER TOWN OF NEWBURGH CODE COMPLIANCE DEPARTMENT RECORDS EXCEPT AS NOTED.
  - MAP REFERENCE: "PROPOSED SUBDIVISION PLAN LANDS CONVEYED TO ADOLFO H. RIVERA, LISA A. RIVERA & MIRIAM A. SALGADO," FILED IN THE ORANGE COUNTY CLERK'S OFFICE APRIL 10, 1986 AS MAP NO. 7566.
  - LOTS 1, 2 AND 3 SHALL HAVE THE RIGHTS OF INGRESS AND EGRESS, AS WELL AS THE RIGHTS TO PLACE UTILITIES, OVER THE 25' WIDE RIGHT-OF-WAY/Common Drive. A RIGHT-OF-WAY, MAINTENANCE AND LIABILITY AGREEMENT SHALL BE FILED IN THE ORANGE COUNTY CLERK'S OFFICE AND THE TOWN OF NEWBURGH CODE COMPLIANCE OFFICE.
  - PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR LOT NO. 2 AND LOT NO. 3, A NYS LICENSED LAND SURVEYOR SHALL STAKEOUT THE FOUNDATION LOCATION AND SUBMIT A CERTIFIED PLAN TO THE TOWN OF NEWBURGH CODE COMPLIANCE DEPARTMENT SHOWING SAID LOCATION.
  - ON DECEMBER 27, 2022, THE TOWN OF NEWBURGH TOWN BOARD GRANTED APPROVAL FOR THREE LOTS USING THE COMMON DRIVEWAY.



- SANITARY FACILITIES NOTES:**
- THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED. THE DESIGN AND CONSTRUCTION REQUIREMENTS COMPLY WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
  - ALL WORK DONE IN THE CONSTRUCTION OF THE SANITARY FACILITIES IS TO BE DONE UNDER THE SUPERVISION AND APPROVAL OF A NYS LICENSED PROFESSIONAL ENGINEER.
  - ALL MATERIALS USED IN THE CONSTRUCTION OF THE SANITARY FACILITIES ARE TO BE APPROVED BY THE GOVERNMENT AGENCIES HAVING JURISDICTION AND THE SUPERVISING NYS LICENSED PROFESSIONAL ENGINEER.
  - THE CONTRACTOR SHALL ENSURE INSTALLATION AS PER SPECIFICATIONS.
  - PRIOR TO CONSTRUCTING THE SANITARY FACILITIES, THE CONTRACTOR SHALL CONTACT THE NYS LICENSED PROFESSIONAL ENGINEER TO MAKE ARRANGEMENTS FOR INSPECTIONS AND TESTING.
  - PRIOR TO BACKFILLING THE SEWAGE DISPOSAL SYSTEM, THE TOWN OF NEWBURGH BUILDING INSPECTOR SHALL BE CONTACTED FOR AN INSPECTION.
  - PRIOR TO BACKFILLING THE SEWAGE DISPOSAL SYSTEM, THE SYSTEM MUST BE INSPECTED BY A NYS LICENSED PROFESSIONAL ENGINEER.
  - PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR ANY SEWAGE DISPOSAL SYSTEM, THE TOWN OF NEWBURGH BUILDING INSPECTOR MUST RECEIVE AN "AS-BUILT" PLAN FOR SUCH SYSTEM CERTIFIED BY A NYS LICENSED PROFESSIONAL ENGINEER AS SET FORTH IN ARTICLE IV OF APPENDIX I SECTION 4 OF THE TOWN OF NEWBURGH MUNICIPAL CODE.
  - HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE ABSORPTION FIELD AREA EXCEPT DURING ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING OR AFTER CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE TO THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED. STRIPPING OF TOPSOIL FROM THE ABSORPTION FIELD AREA IS STRICTLY PROHIBITED. FAILURE TO COMPLY MAY CAUSE REJECTION OF THE SYSTEM DURING INSPECTION, AND MAY REQUIRE SOIL RETESTING AND SYSTEM REDESIGN.
  - ABSORPTION TRENCHES SHALL NOT BE CONSTRUCTED IN FROZEN GROUND OR WET SOIL.
  - NO SWIMMING POOLS, DRIVEWAYS, PARKING AREAS OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE LOCATED OVER OR WITHIN TEN FEET OF ANY PORTION OF THE ABSORPTION FIELD OR RESERVE AREA.
  - DO NOT ALLOW CELLAR, ROOF OR FOOTING DRAINS TO DISCHARGE OVER THE ABSORPTION FIELD OR RESERVE AREA.
  - CELLAR, ROOF AND FOOTING DRAINS SHALL NOT BE CONNECTED TO THE SEWAGE DISPOSAL SYSTEM.
  - SURFACE WATER IS TO BE DIVERTED AWAY FROM THE ABSORPTION FIELD.
  - THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELD OR RESERVE AREA.
  - WATER SAVING PLUMBING FIXTURES SHALL BE USED.
  - THE SYSTEM IS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS OVER 100 GALLONS OR WATER CONDITIONERS. THEREFORE, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM, AND REAPPROVED BY THE GOVERNMENT AGENCIES HAVING JURISDICTION.

- ALL SEWER LINES SHALL BE INSTALLED HAVING THE FOLLOWING MINIMUM SLOPES: 1/4" / FT FROM THE BUILDING TO THE SEPTIC TANK, 1/8" / FT FROM THE SEPTIC TANK TO THE POINT OF DISTRIBUTION, AND 1/16" / FT TO 1/32" / FT FOR LATERALS. DOSED LATERAL SHALL BE SET LEVEL.
- 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.
- THE SEPTIC TANK AND DISTRIBUTION BOX SHALL BE PRE-CAST CONCRETE.
- 4" ID CAST IRON OR SCHEDULE 40 PVC SHALL BE USED BETWEEN THE BUILDING AND SEPTIC TANK.
- 4" ID SOLID TIGHT JOINT PVC SHALL BE USED BETWEEN THE SEPTIC TANK AND THE POINTS OF DISTRIBUTION. 4" ID PERFORATED PVC PIPE SHALL BE USED FOR LATERALS WITH THE PERFORATIONS FACING DOWN. LATERALS SHALL BE SOLID WALL PVC FOR A DISTANCE OF TWO FEET FROM THE DISTRIBUTION BOX. ALL SOLID WALL PIPE SHALL BE SDR-35.
- IF A WELL IS UPGRAD OF AN ABSORPTION FIELD, THE SEPARATION BETWEEN THE WELL AND THE ABSORPTION FIELD SHALL BE 100 FEET MINIMUM. IF THE WELL IS DOWNGRADE AND IN THE GENERAL DRAINAGE PATH OF AN ABSORPTION FIELD, THE SEPARATION SHALL BE 200 FEET MINIMUM.
- THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE "AS-BUILT" DRAWING OF ANY INSTALLED SANITARY FACILITY.
- THE SEPTIC TANK SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2 TO 3 YEARS.
- THE DISTRIBUTION BOX SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT IT IS LEVEL AND OPERATING PROPERLY.
- THE WELL SHALL BE TESTED IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH FACT SHEET #3 "RECOMMENDED RESIDENTIAL WATER QUALITY TESTING."
- ALTHOUGH THERE ARE NO NEW YORK STATE REGULATIONS REGARDING MAINTENANCE OF WELLS, PERIODIC TESTING OF WELL WATER (A MINIMUM OF YEARLY) IS RECOMMENDED.
- AFTER COMPLETION, GRASS SEED AND MULCH SHALL BE APPLIED TO THE ABSORPTION FIELD AREA.

**OWNER'S ENDORSEMENT:**  
 I, THE UNDERSIGNED, HAVE REVIEWED THE CONTENTS OF THIS MAP AND HEREBY CONCUR WITH ALL THE TERMS AND CONDITIONS AS STATED HEREON, AND TO THE FILING OF THIS MAP.

ADOLFO H. RIVERA

**SURVEYOR'S CERTIFICATION:**  
 I HEREBY CERTIFY THAT THE BOUNDARY AND TOPOGRAPHICAL SURVEY SHOWN HEREON IS THE RESULT OF AN ACTUAL FIELD SURVEY COMPLETED ON SEPTEMBER 08, 2022.

MARTIN F. ANTHONISEN, JR.  
 NYS REGISTRATION NO. 050764-1

**COUNTY CERTIFICATION:**  
 THE PROPOSED SEWAGE DISPOSAL SYSTEM AND WATER SUPPLY SYSTEM SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NYS DEPARTMENT OF HEALTH AND THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN IS BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOT AT THE DESIGN LOCATION AT THE TIME OF DESIGN.

**TOWN CERTIFICATION:**  
 I HEREBY CERTIFY TO THE TOWN OF NEWBURGH THAT THE SEWAGE DISPOSAL SYSTEM DEPICTED ON THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK STATE PUBLIC HEALTH AND ALL REGULATIONS PROMULGATED THEREUNDER.

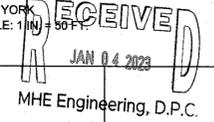
UNAUTHORIZED ALTERATION OR ADDITION TO A MAP BEARING A LICENSED PROFESSIONAL'S SEAL IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

**CALL BEFORE YOU DIG**  
 DIG SAFELY NEW YORK MUST BE CONTACTED ( DIAL 811 OR 1-800-962-7862 ) AT LEAST TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION, DRILLING, OR BLASTING TO HAVE ANY EXISTING UNDERGROUND UTILITIES LOCATED AND MARKED. NON-MEMBER UTILITIES MUST BE CONTACTED SEPARATELY.

SHEET 1 OF 3 IS INVALID UNLESS ACCOMPANIED BY SHEETS 2 OF 3 AND 3 OF 3.

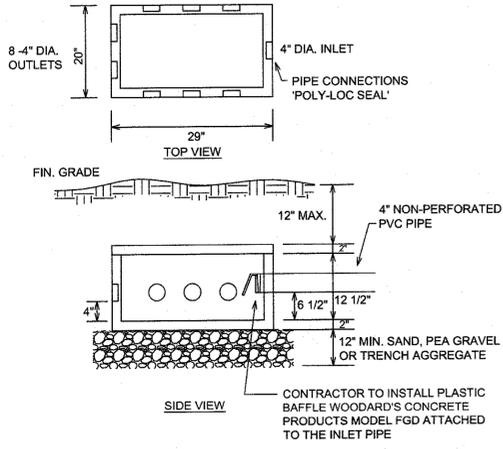
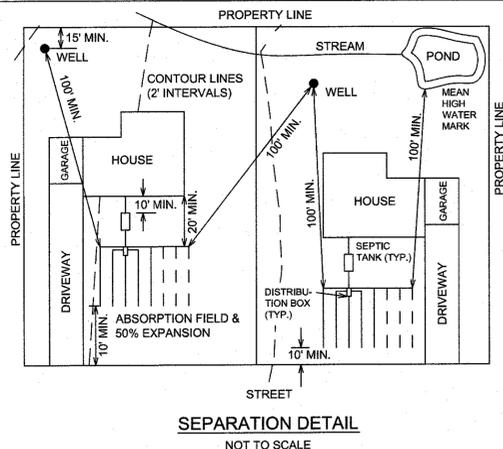
**SUBDIVISION AND LOT LINE REVISION PLAN**

LANDS OF  
**ADOLFO H. AND LISA A. RIVERA**  
 38 ROSALINE LANE, TOWN OF NEWBURGH  
 ORANGE COUNTY, NEW YORK  
 DATE: OCTOBER 17, 2022 SCALE: 1" = 50' FT.

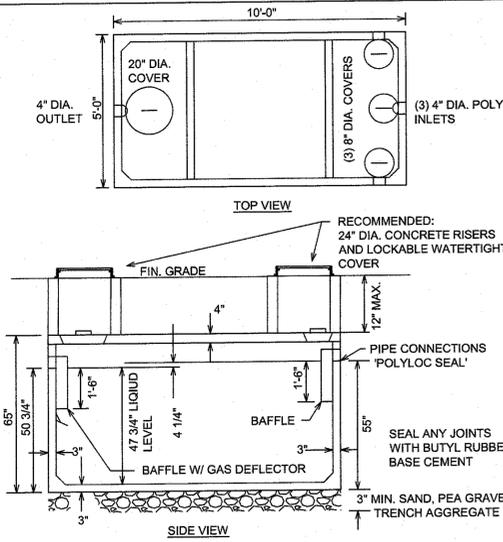


PREPARED BY:  
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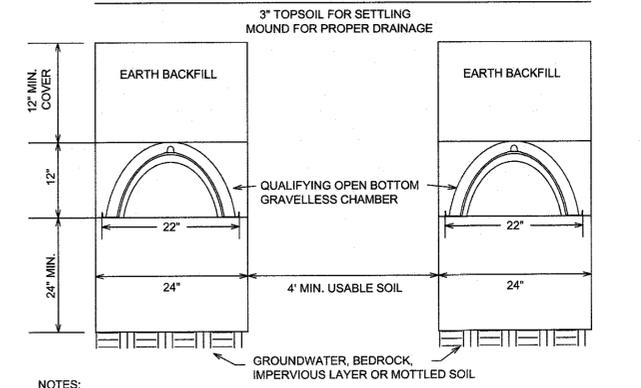
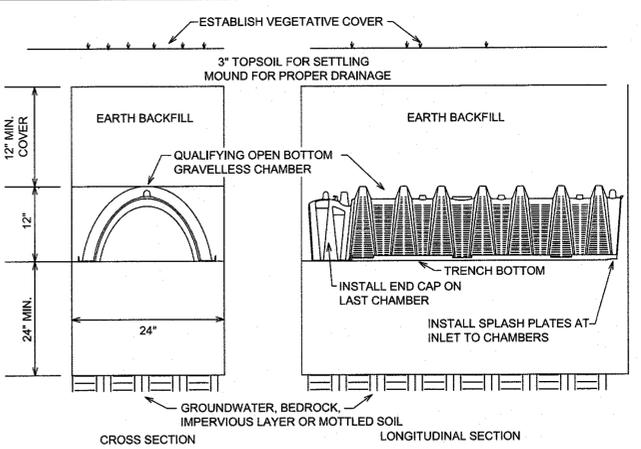
DATE	REVISION
01/03/2023	TURN-AROUND
12/19/2022	TURN-AROUND
12/05/2022	NOTE 13
DATE	REVISION



- DISTRIBUTION BOX TO BE PRE-CAST CONCRETE MODEL NO. DB-9 BY WOODARD'S CONCRETE PRODUCTS, OR EQUAL.
- A BAFFLE IS TO BE INSTALLED IN THE DISTRIBUTION BOX. THE BAFFLE SHALL BE A PLASTIC BAFFLE MODEL FGD BY WOODARD'S CONCRETE PRODUCTS, OR EQUAL, INSTALLED BY THE CONTRACTOR ON-SITE.
- ALL OUTLET INVERTS ARE TO BE AT THE SAME ELEVATION. FLOW EQUALIZERS ARE REQUIRED.
- THE FIRST 10 FEET OF ALL OUTLET PIPES ARE TO BE SET AT IDENTICAL SLOPES.
- ALL UNUSED OUTLETS ARE TO REMAIN PLUGGED.
- OUTLETS SHALL BE UTILIZED IN A MANNER THAT WILL ALLOW ACCESS TO THE RESERVE AREA WITHOUT DISTURBING THE EXISTING PIPING.
- LATERALS SHALL BE SOLID WALL PVC FOR A DISTANCE OF 2 FEET (MIN.) FROM THE DISTRIBUTION BOX.
- ALL PVC FITTINGS SHALL BE GASKETED OR SOLVENT WELDED.



1250 GALLON PRE-CAST REINFORCED CONCRETE TANK MODEL NO. ST-1250 BY WOODARD'S CONCRETE PRODUCTS, OR EQUAL.



- NOTES:
- TRENCH BOTTOMS ARE TO BE SET LEVEL.
  - DO NOT INSTALL TRENCHES IN WET SOIL.
  - RAKE THE SIDES AND BOTTOM OF TRENCHES PRIOR TO PLACING INFILTRATOR UNITS.
  - FOUR FEET OF UNDISTURBED SOIL TO REMAIN BETWEEN TRENCHES.
  - SPACING OF TRENCHES TO BE 8 FEET ON CENTER.
  - ALL TRENCHES TO BE DUG IN VIRGIN SOIL.
  - INSTALL TRENCHES PARALLEL TO GROUND CONTOURS.
  - INSTALL TRENCHES AS SHALLOW AS POSSIBLE TO MEET ABOVE MINIMUM DEPTHS.
  - THE LAST CHAMBER SHALL HAVE AN END CAP.
  - INSTALL SPLASH PLATES AT INLET TO CHAMBERS.
  - CHAMBER UNITS SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
  - CHAMBERS SHALL BE ADVANCED DRAINAGE SYSTEMS ARC 24 SEPTIC CHAMBERS, INFILTRATOR SYSTEMS QUICK 4 EQUALIZER 36 CHAMBERS, OR APPROVED EQUAL.

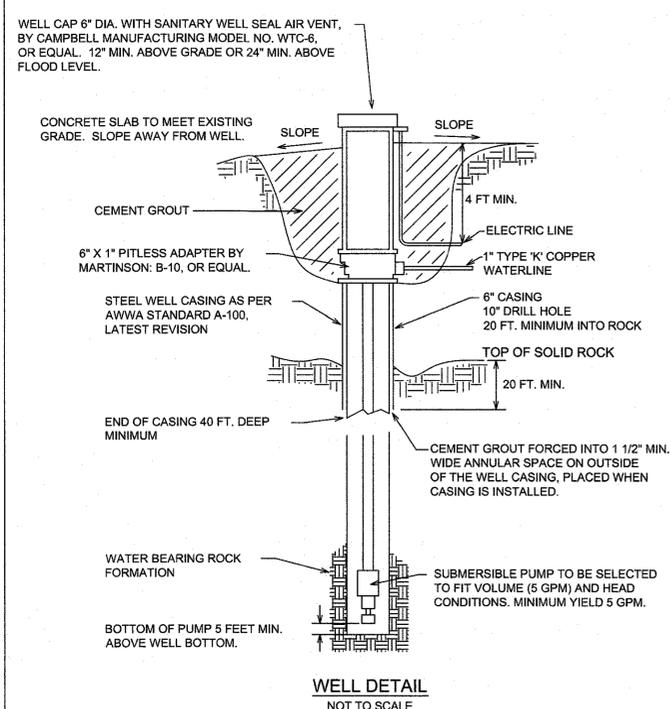
**QUALIFYING OPEN BOTTOM GRAVELLESS CHAMBER**  
**ABSORPTION TRENCH DETAIL**  
NOT TO SCALE

PERCOLATION TEST RESULTS

LOT NO.	HOLE NO.	DEPTH (IN.)	DATE	TIME						STABILIZED RATE
				RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	RUN 6	
2	2-1	24	8/11/2022	26M18S	28M30S	37M45S	40M54S	42M28S	42M50S	42M50S
	2-2	24	8/11/2022	21M00S	26M50S	32M58S	34M39S	34M57S		
3	3-1	24	8/11/2022	27M35S	29M52S	34M40S	35M55S	36M10S		44M31S
	3-2	24	8/11/2022	26M21S	31M42S	39M37S	41M46S	44M15S	44M31S	

DEEP TEST HOLE RESULTS

LOT NO.	HOLE NO.	DATE	DESCRIPTION
2	2-1	8/25/2022	0' TO 4" TOPSOIL 4" TO 16" BROWN SILT LOAM 16" TO 78" TAN SILT LOAM NO GROUNDWATER NO BEDROCK
	2-2	8/25/2022	0' TO 6" TOPSOIL 6" TO 18" BROWN SILT LOAM 18" TO 78" TAN SILT LOAM NO GROUNDWATER NO BEDROCK
3	3-1	8/25/2022	0' TO 4" TOPSOIL 4" TO 14" BROWN SILT LOAM 14" TO 72" TAN SILT LOAM NO GROUNDWATER NO BEDROCK
	3-2	8/25/2022	0' TO 3" TOPSOIL 3" TO 12" BROWN SILT LOAM 12" TO 72" TAN SILT LOAM NO GROUNDWATER NO BEDROCK



- NOTES:
- WELL TO BE CONSTRUCTED IN ACCORDANCE WITH NYSDOH APPENDIX 5-B; STANDARDS FOR WATER WELLS, LATEST EDITION.
  - THE WELL SHALL BE TESTED IN ACCORDANCE TO NEW YORK STATE DEPARTMENT OF HEALTH - FACT SHEET #3 "RECOMMENDED RESIDENTIAL WATER QUALITY TESTING."

UNAUTHORIZED ALTERATION OR ADDITION TO A MAP BEARING A LICENSED PROFESSIONAL'S SEAL IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

DATE	REVISION

SHEET 2 OF 3 IS INVALID UNLESS ACCOMPANIED BY SHEETS 1 OF 3 AND 3 OF 3.

**DETAIL SHEET**  
FOR  
**ADOLFO H. & LISA A. RIVERA**  
38 ROSALINE LANE, TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK  
DATE: OCTOBER 5, 2022 SCALE: AS SHOWN  
TAX PARCEL: SECTION 111 BLOCK 2 LOTS 20 & 21

PREPARED BY:  
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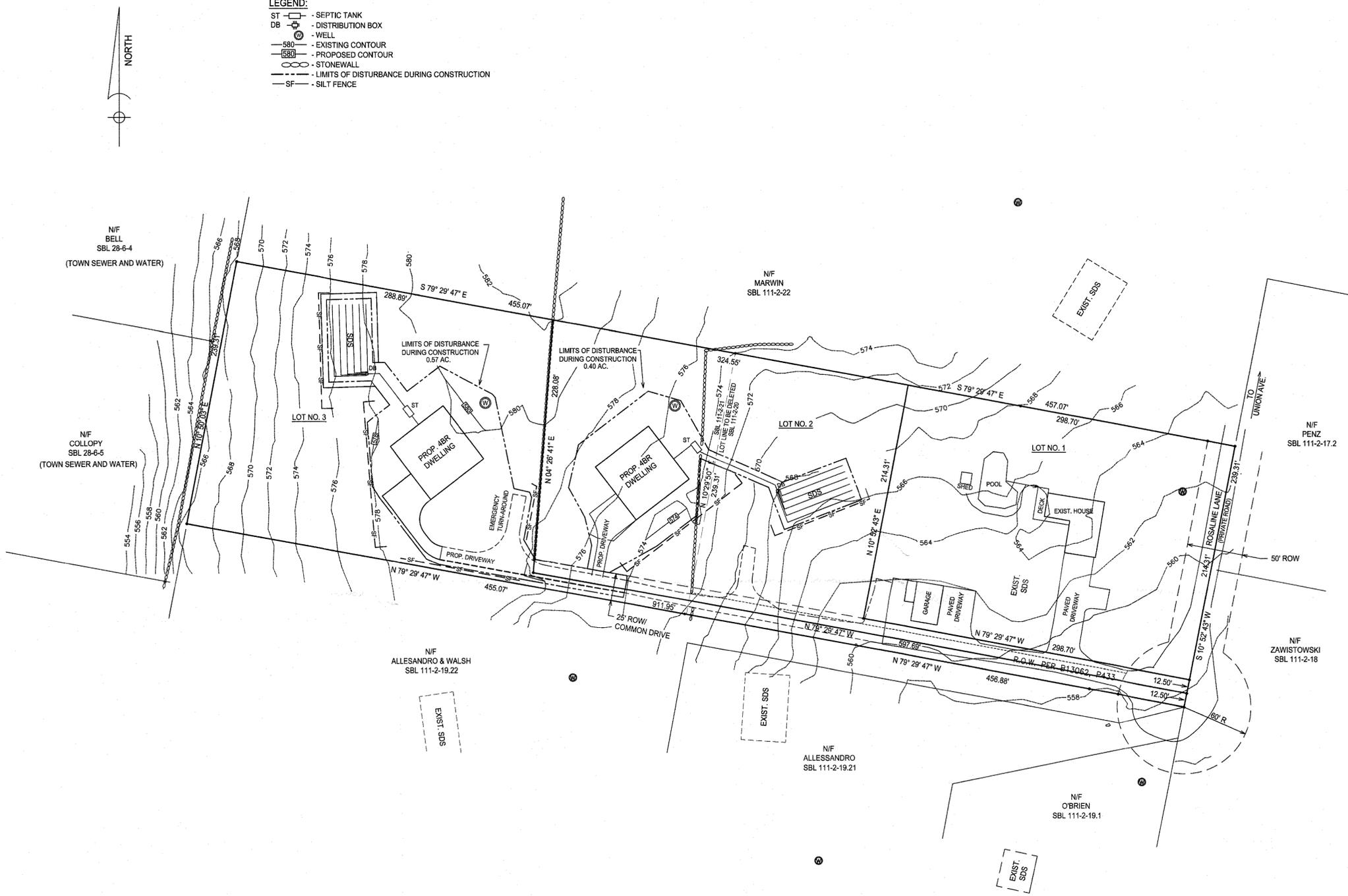
- LEGEND:**
- ST - SEPTIC TANK
  - DB - DISTRIBUTION BOX
  - W - WELL
  - 580 - EXISTING CONTOUR
  - 580 - PROPOSED CONTOUR
  - - STONEWALL
  - - - LIMITS OF DISTURBANCE DURING CONSTRUCTION
  - SF - SILT FENCE

**GENERAL NOTES:**

1. THE LOCATIONS (HORIZONTAL AND VERTICAL) AND SIZES OF UNDERGROUND UTILITIES SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION, ELEVATION AND SIZE OF ANY EXISTING UNDERGROUND UTILITY. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS TO LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT MAKING REVISIONS AS NEEDED.
2. ANY EXISTING STRUCTURE, CURB, PAVED AREA, LANDSCAPED AREA, ETC. DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
3. IT IS THE DEVELOPER'S OR CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY NECESSARY PERMITS REQUIRED FROM FEDERAL, STATE OR LOCAL AUTHORITIES.

**SOIL EROSION AND SEDIMENT CONTROL NOTES:**

1. ALL WORK TO BE DONE IN ACCORDANCE WITH STANDARDS SET FORTH IN "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION, PREPARED BY THE USDA SOIL CONSERVATION SERVICE.
2. THE SMALLEST PRACTICAL AREA OF LAND IS TO BE EXPOSED AT ANY ONE TIME DURING THE DEVELOPMENT OF THE PARCEL. ONLY THOSE AREAS NECESSARY IN THE DEVELOPMENT OF THE PARCEL SHALL BE DISTURBED. WHEN FEASIBLE, THE NATURAL VEGETATION IN ALL OTHER AREAS SHALL BE PROTECTED AND RETAINED. SOIL EXPOSURE SHALL BE LIMITED TO LESS THAN ONE ACRE.
3. INITIAL CLEARING OR SOIL DISTURBANCE SHALL BE LIMITED TO THAT NECESSARY TO INSTALL EROSION AND SEDIMENT CONTROL MEASURES. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PERMANENT EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. THE PROPERTY OWNER WILL ASSUME THIS RESPONSIBILITY AFTER CONSTRUCTION IS COMPLETED AND CERTIFICATES OF OCCUPANCY ARE ISSUED.
5. ALL EXCAVATED EARTH AND ACCUMULATED SEDIMENT NOT USED AS FILL SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY.
6. THE PERMANENT DRIVEWAY OR ENTRANCE LOCATION SHALL BE USED AS A STABILIZED CONSTRUCTION ENTRANCE. TWO-INCH STONE SHALL BE PLACED AT A MINIMUM 6 INCH DEPTH, 30 FEET LONG AND 12 FEET WIDE. THE ENTRANCE SHALL BE TOP DRESSED WITH STONE AS NECESSARY TO PREVENT TRACKING SEDIMENT ONTO PUBLIC ROADS OR RIGHT-OF-WAYS. SEDIMENT TRACKED ONTO PUBLIC ROADS MUST BE REMOVED OR CLEANED ON A DAILY BASIS.
7. AT ANY LOCATION WHERE SURFACE RUNOFF FROM DISTURBED OR GRADED AREAS MAY FLOW OFF OF THE CONSTRUCTION AREA, SEDIMENT CONTROL MEASURES MUST BE INSTALLED, (E.G. SILT FENCE) TO PREVENT SEDIMENT FROM BEING TRANSPORTED OFF SITE. NO GRADING, FILLING OR OTHER DISTURBANCE IS ALLOWED WITHIN EXISTING DRAINAGE SWALES.
8. ANY PROPOSED SWALES SHALL BE SODED OR SEEDED IMMEDIATELY FOLLOWING THEIR COMPLETION.
9. DOWNSPOUTS OR SUMP PUMP OUTLETS SHOULD BE PROTECTED BY SPLASHBLOCKS.
10. RUNOFF SHALL BE DIRECTED AWAY FROM CUT OR FILL SLOPES UNTIL THE SLOPES HAVE BECOME STABILIZED. NO CONCENTRATED FLOWS SHALL BE DIRECTED OVER CUT OR FILL SLOPES.
11. ALL MATERIALS ORIGINATING FROM THE DEVELOPMENT OF THE LOT SHALL BE REMOVED IMMEDIATELY TO AN ACCEPTABLE DISPOSAL FACILITY. NO CONSTRUCTION DEBRIS SHALL BE BURIED ON SITE. ALL LOOSE MATERIALS SHALL BE REGULARLY COLLECTED TO PREVENT THE RELEASE OF FLOATABLES DURING STORM EVENTS.
12. PLACE SILT FENCE AROUND THE PERIMETER OF ALL STOCKPILES AS SOON AS THEY ARE CREATED. MULCH THE STOCKPILES WHEN NOT IN USE.
13. FINAL SITE DRAINAGE SHALL BE COMPLETED IN ORDER TO PREVENT EROSION, PONDING AND CONCENTRATED FLOWS ONTO ADJACENT PARCELS. IN ACCORDANCE WITH NEW YORK STATE CODE, POSITIVE DRAINAGE AWAY FROM THE FOUNDATION MUST BE PROVIDED. THE FOUNDATION MUST EXTEND AT LEAST EIGHT INCHES ABOVE FINISHED GRADE AND THE GRADE AWAY FROM THE FOUNDATION MUST FALL A MINIMUM OF SIX INCHES IN THE FIRST TEN FEET.
14. STABILIZATION:
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
    - A. SEVEN CALENDAR DAYS FROM THE TIME THAT THE SOIL IS INITIALLY DISTURBED, AND BEFORE ANY SIGNIFICANT STORM EVENT WHICH MAY HAVE THE POTENTIAL TO CAUSE EROSION, BUT NOT TO EXCEED SEVEN DAYS FROM INITIAL DISTURBANCE.
    - B. FOURTEEN CALENDAR DAYS FOR ALL APPROVED STOCKPILES AND OTHER DISTURBED AND GRADED AREAS PROVIDED GRADING ACTIVITY IS NOT CONTINUALLY ONGOING IN THESE LOCATIONS.
    - C. PERMANENT VEGETATION SHALL BE INSTALLED ON ALL EXPOSED AREAS WITHIN 14 DAYS OF FINAL GRADING. MULCH SHALL BE USED AS NECESSARY FOR PROTECTION UNTIL PERMANENT VEGETATION IS ESTABLISHED.
    - D. SEEDING AND MULCHING SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS SET FORTH IN "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION, PREPARED BY THE USDA SOIL CONSERVATION SERVICE.
    - E. IF THE SEASON PREVENTS THE ESTABLISHMENT OF VEGETATION, THE DISTURBED AREA SHALL BE MULCHED WITH STRAW AT A RATE OF 2 TONS/ACRE (100-120 BALES/ACRE) UNTIL PERMANENT VEGETATION CAN BE ESTABLISHED.
    - F. IMMEDIATELY FOLLOWING SITE DISTURBANCE OR ROUGH GRADING, ANY CRITICAL AREAS (E.G. STEEP SLOPES) SHALL BE STABILIZED WITH TEMPORARY VEGETATION, EMULSION AND/OR EROSION CONTROL FABRICS AS NEEDED.
15. MAINTENANCE:
  - A. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PERIODICALLY INSPECTED, MAINTAINED AND REPLACED WHEN THEY BECOME INOPERABLE. INSPECTIONS ARE TO BE DONE IN ACCORDANCE WITH THE STANDARDS SET FORTH IN "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION, PREPARED BY THE USDA SOIL CONSERVATION SERVICE.
  - B. SEDIMENT IS TO BE REMOVED FROM THE SILT FENCE WHEN THE DEPTH OF SEDIMENT IS 1/3 THE HEIGHT OF THE BARRIER. THE SILT FENCE SHOULD BE CHECKED FOR AREAS WHERE RUNOFF MIGHT HAVE ERODED BENEATH THE FENCE, SAGS IN THE FENCE OR FENCE COLLAPSE. REPAIR AND REPLACE THE SILT FENCE AS NEEDED. AFTER THE SITE IS STABILIZED, REMOVE THE SILT FENCE AND DISPOSE OF IT PROPERLY.
  - C. INSPECT MULCHED AREAS FOR AREAS WHERE THE MULCH HAS BEEN LOOSENED OR REMOVED, AND REPLACE AS NEEDED. REMOVE ANY ANCHORING WHEN IT IS NO LONGER NEEDED AND DISPOSE OF IT PROPERLY.
  - D. INSPECT SEEDED AREAS TO SEE IF GOOD GROWTH IS BEING ESTABLISHED AND RESEED AS NEEDED.
  - E. INSPECT THE STABILIZED CONSTRUCTION ENTRANCE REGULARLY AND AFTER HIGH TRAFFIC VOLUMES AND STORM EVENTS. APPLY ADDITIONAL STONE AND CLEAN THE PUBLIC ROADWAY AS NEEDED.
  - F. ONCE THE DISTURBED AREAS HAVE BECOME PERMANENTLY STABILIZED, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF PROPERLY.



**CALL BEFORE YOU DIG**

DIG SAFELY NEW YORK MUST BE CONTACTED (DIAL 811 OR 1-800-962-7962) AT LEAST TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION, DRILLING, OR BLASTING TO HAVE ANY EXISTING UNDERGROUND UTILITIES LOCATED AND MARKED. NON-MEMBER UTILITIES MUST BE CONTACTED SEPARATELY.

SHEET 3 OF 3 IS INVALID UNLESS ACCOMPANIED BY SHEETS 1 OF 3 AND 2 OF 3.

**SOIL EROSION AND SEDIMENT CONTROL PLAN**

LANDS OF  
**ADOLFO H. AND LISA A. RIVERA**  
 38 ROSALINE LANE, TOWN OF NEWBURGH  
 ORANGE COUNTY, NEW YORK  
 DATE: OCTOBER 17, 2022 SCALE: 1 IN. = 50 FT.

PREPARED BY:  
**DARREN C. DOCE, PE**  
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UNAUTHORIZED ALTERATION OR ADDITION TO A MAP BEARING A LICENSED PROFESSIONAL'S SEAL IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

12/19/2022	TURN-AROUND, LIMITS OF DISTURBANCE
DATE	REVISION

SHEET 3 OF 3

