

**SEWER LINE REQUIREMENTS**

ALL SEWER LINES SHALL BE A MINIMUM OF FOUR INCHES IN DIAMETER.

THERE SHALL BE A LENGTH OF CAST IRON SEWER LINE EXTENDING THROUGH THE FOUNDATION TO A POINT A MINIMUM OF TWO FEET BEYOND THE FOUNDATION WALL.

THE SEWER LINE FROM THE BUILDING CAST IRON PIPE TO THE SEPTIC TANK AND TO THE LEACHING POOL(S) SHALL MEET OR EXCEED COMMERCIAL STANDARDS CLASS 2400 SEWER PIPE, OR ASTM STANDARDS FOR PLASTIC SEWER PIPE WITH A MINIMUM SDR 35 RATING. IN THE TOWN OF HUNTINGTON, CAST IRON PIPE IS REQUIRED BETWEEN THE BUILDING FOUNDATION AND SEPTIC TANK INLET.

SLIP-RING CONNECTORS OF THE PROPER TYPE SHALL BE USED AT THE CAST IRON JOINT.

THE SEWER LINE FROM THE SEPTIC TANK TO THE LEACHING POOL(S) SHALL HAVE A MINIMUM PITCH OF 1/8" PER 1'-0".

SEWER LINE TRENCH(ES) SHALL BE FIRMLY TAMPED. ALL BACKFILL SHALL BE FIRMLY TAMPED BY HAND ABOUT THE PIPE. THE PIPE(S) SHALL BE SECURELY CEMENTED AT THE POINT OF ENTRY INTO THE SEPTIC TANK AND LEACHING POOL(S).

THERE SHALL BE NO BENDS IN THE SEWER LINES TO THE SEPTIC TANK. IF BENDS ARE UNAVOIDABLE, THEN FOR BENDS WITHIN THE FIRST TEN FEET FROM THE HOUSE FOUNDATION, THE SEWER LINE SHALL BE CONSTRUCTED OF CAST IRON FROM THE HOUSE FOUNDATION UP TO AND INCLUDING THE BEND. LONG SWEEP ELBOWS SHALL BE USED AND BENDS SHALL NOT EXCEED 45 DEGREES AS MEASURED ALONG THE AXIS OF THE STARTING PIPE. FOR BENDS FURTHER THAN TEN FEET FROM THE HOUSE FOUNDATION AN APPROVED MANHOLE OR CLEAN-OUT SHALL BE INSTALLED. FOR PROJECTS WITH A LARGE NUMBER OF BENDS CONSULT THE DEPARTMENT OF HEALTH SERVICES PRIOR TO INSTALLATION.

ALL SEWER LINES SHALL BE STRAIGHT. WHEN SECTIONS OF PIPES ARE USED, THEY SHALL BE OF THE SAME MATERIAL AND CONNECTED WITH COUPLINGS OF THE SAME MATERIAL. THE COUPLINGS SHALL BE SECURELY INSTALLED AND WATERTIGHT. DIRECTIONAL CHANGES THROUGH THE USE OF APPURTENANCES MAY BE PERMITTED IF ABSOLUTELY NECESSARY.

WHEN USING MORE THAN ONE TYPICAL LEACHING POOL, ALL SEWER LINES FROM THE DISTRIBUTION BOX TO THE POOLS SHALL BE SET IN THE DISTRIBUTION BOX AT THE SAME ELEVATION.

**FINAL GRADING AND BACKFILLING NOTES**

FINAL INSPECTION-AT THE TIME OF COMPLETION, THE SYSTEM SHALL BE LEFT VISIBLE FOR INSPECTION. PRIOR TO INSPECTION, THE BOTTOM OF THE PIPE TRENCH SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND STABILIZED TO PROVIDE FIRM BEDDING. THE PROPERTY LINES SHALL BE "STAKED" IN ORDER TO ASCERTAIN THAT THE SYSTEM IS LOCATED ON THE PROPERTY IN ACCORDANCE WITH SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES STANDARDS AS DESCRIBED WITHIN THESE SEPTIC SYSTEM NOTES.

BACKFILL AND GRADING-THE COMPLETED SYSTEM SHALL BE BACKFILLED AND COVERED WITH SUITABLE SOIL FOLLOWING APPROVAL TO DO SO BY THE DEPARTMENT OF HEALTH SERVICES. THE PROPERTY SHALL BE GRADED SO AS TO MINIMIZE SURFACE DRAINAGE INTO THE SYSTEM. A MAXIMUM OF FIVE PERCENT SLOPE SHALL BE MAINTAINED FOR A MINIMUM OF 20 FEET HORIZONTALLY FROM THE NEAREST EDGE OF OF THE LEACHING POOL(S) BEFORE TAPERING OFF TO PREVENT SEEPAGE OF THE LEACHATE THROUGH THE TOE OR EDGE OF THE SLOPE. STEEP GRADES FURTHER THAN 20 FEET FROM THE LEACHING POOLS SHALL BE STABILIZED PURSUANT TO LOCAL CODES.

**SEPERATION OF WATER AND SEWER LINES**

PARALLEL INSTALLATION-WATER LINES SHALL BE LAID A MINIMUM OF TEN FEET HORIZONTALLY FROM AN Y SEWER LINE.

WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF TEN FEET, A WATER LINE MAY BE LAID CLOSER TO A SEWER LINE PROVIDED THAT THE BOTTOM OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE. WHEN THIS VERTICAL SEPARATION CANNOT BE OBTAINED, THE SEWER LINE SHALL BE CONSTRUCTED OF MATERIALS AND JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

CROSSINGS-THE CROSSING OF WATER AND SEWER LINES SHOULD BE AVOIDED UNLESS PROVEN ABSOLUTELY NECESSARY. IN SUCH CASES:

SEWER LINES SHALL BE LAID BELOW THE WATER LINE AND PROVIDE A SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER LINE.

SEWER LINE JOINTS SHALL BE AT LEAST TEN FEET FROM THE POINT OF CROSSING.

WHEN LOCAL CONDITIONS PREVENT PLACEMENT OF THE WATER LINE ABOVE THE SEWER LINE, THE FOLLOWING ADDITIONAL CONDITIONS APPLY:

A VERTICAL SEPARATION OF AT LEAST 18 INCHES SHALL BE PROVIDED BETWEEN THE BOTTOM OF THE SEWER LINE AND THE TOP OF THE WATER LINE.

WATER LINE JOINTS SHALL BE AT LEAST TEN FEET FROM THE POINT OF CROSSING.

SEWER LINES SHALL BE CONSTRUCTED OF MATERIALS AND JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION FOR THE ENTIRE LENGTH OF THE SEWER LINE AND SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING.

**SITE PLAN NOTES**

DISTRICT 500, SECTION 84, BLOCK 1, LOT 4.001

LOT BOUNDARIES: 250' DEEP X 90' WIDE  
 LOT AREA: 17,750 S.F.  
 FIRST FLOOR: 1,452 S.F.  
 SECOND FLOOR: 1,275 S.F.  
 TOTAL LIVING AREA: 2,727 S.F.

"A" SINGLE FAMILY RESIDENTIAL  
 R-3 PERMANENT RESIDENTIAL OCCUPANCY CLASSIFICATION

TYPE 5 WOOD FRAME CONSTRUCTION

SUBDIVISION NAME: MAP OF PROPERTY OF OF LAKE HILLS ACREAGE UNIT G, LOT 92 AND P/O 89, 90, 91 IN LAKE RONKONKOMA, TOWN OF ISLIP, SUFFOLK COUNTY, NY

WASTE WATER LEACHING SYSTEM DESIGN FOR:  
 6 BEDROOM RESIDENCE AND SOIL CONDITIONS WHERE THE GROUNDWATER IS OVER 17 FEET.

SEPTIC TANK SPECIFICATIONS:  
 1,500 GALLON MINIMUM SEPTIC TANK CAPACITY  
 41 SQ.FT. MINIMUM LIQUID SURFACE AREA

LEACHING POOLS SPECIFICATIONS:  
 TWO POOLS CONTAINING (2) 8'-0" DIAMETER X 4'-0" HIGH CESSPOOL RINGS STACKED VERTICALLY FOR TOTAL OF 16'-0" VERTICAL FEET.  
 400 SQ.FT. SIDEWALL AREA.

DEPT. OF HEALTH APPROVAL STAMP

5	8-21-07	Revised per SCDHS.
4	6-7-07	Revised per SCDHS.
3	4-5-07	Revised per SCDHS.
2	12-5-06	Revised per SCDHS.
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Project ID		RODRIGUEZ
CAD File Name		RODRIGUEZ SEPTIC REVISE
Drawn By		E KOENIG
Checked By		E KOENIG

Seal - Edward Koenig - Registered Architect



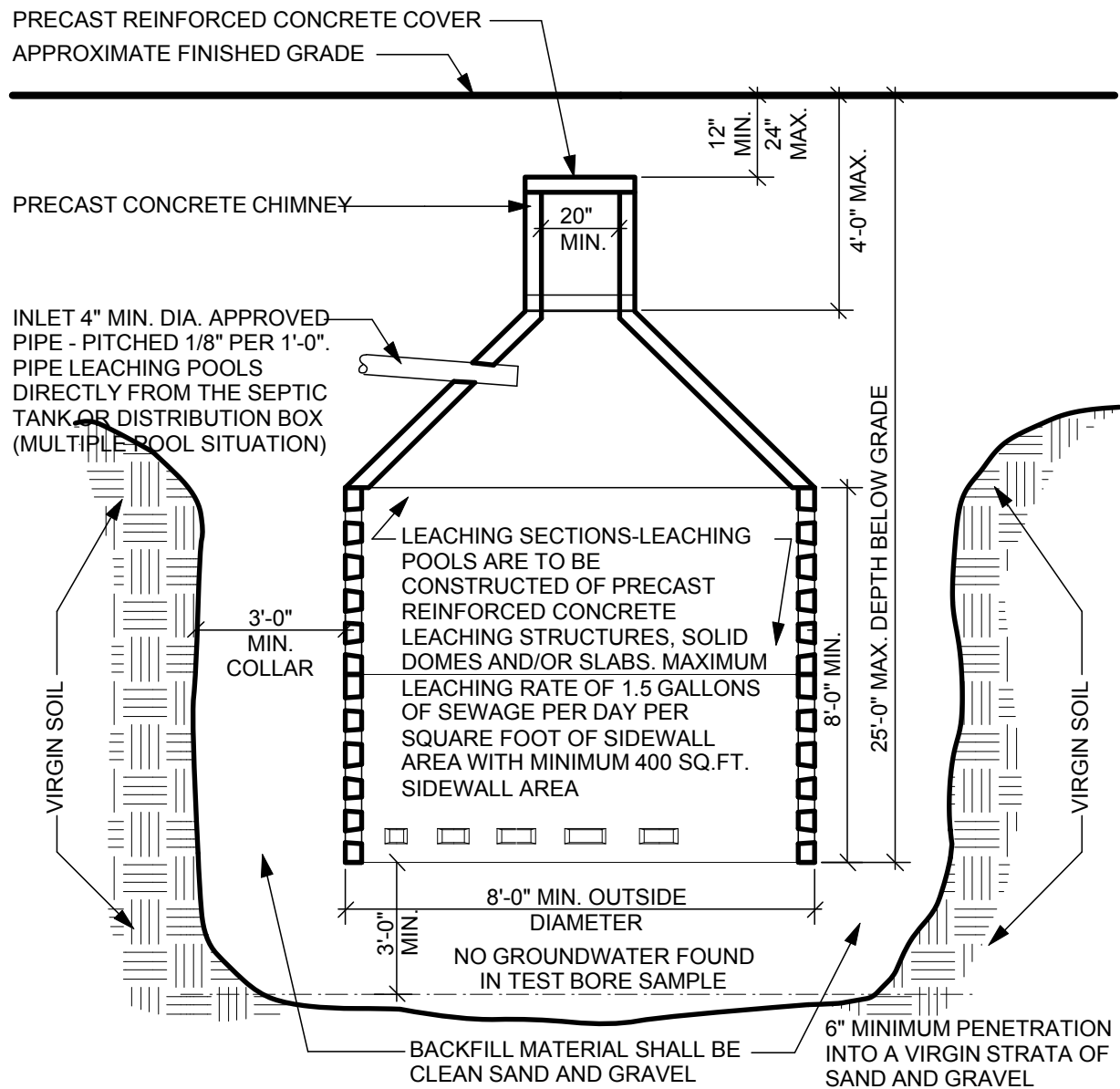
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Project Title  
**Rodriguez Septic Plans**  
  
 01/18/2009

Sheet Title  
**TITLE SHEET**

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Drawing No.  
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### TYPICAL LEACHING POOL SECTION - 8'-0" DEEP RINGS

SCALE: NOT TO SCALE

### LEACHING POOL NOTES

ALL MATERIALS SHALL BE IDENTIFIED AS TO MANUFACTURER AND HAVE THE IDENTIFICATION VISIBLE AT THE TIME OF INSPECTION.

FOR AREAS OF SAND AND GRAVEL, THE DESIGN OF THE LEACHING POOL SHALL BE BASED UPON A MAXIMUM LEACHING RATE OF 1.5 GALLONS OF SEWAGE PER DAY PER SQUARE FOOT OF SIDEWALL AREA.

LEECHING POOLS SHALL BE PIPED DIRECTLY FROM THE SEPTIC TANK OR A DISTRIBUTION BOX.

LEECHING POOLS ARE TO BE CONSTRUCTED OF PRECAST CONCRETE (OR EQUAL) LEECHING STRUCTURES, SOLID DOMES, AND/OR SLABS.

WHEN UTILIZING MORE THAN ONE LEECHING POOL ALL POOLS SHALL BE SAME SIZE.

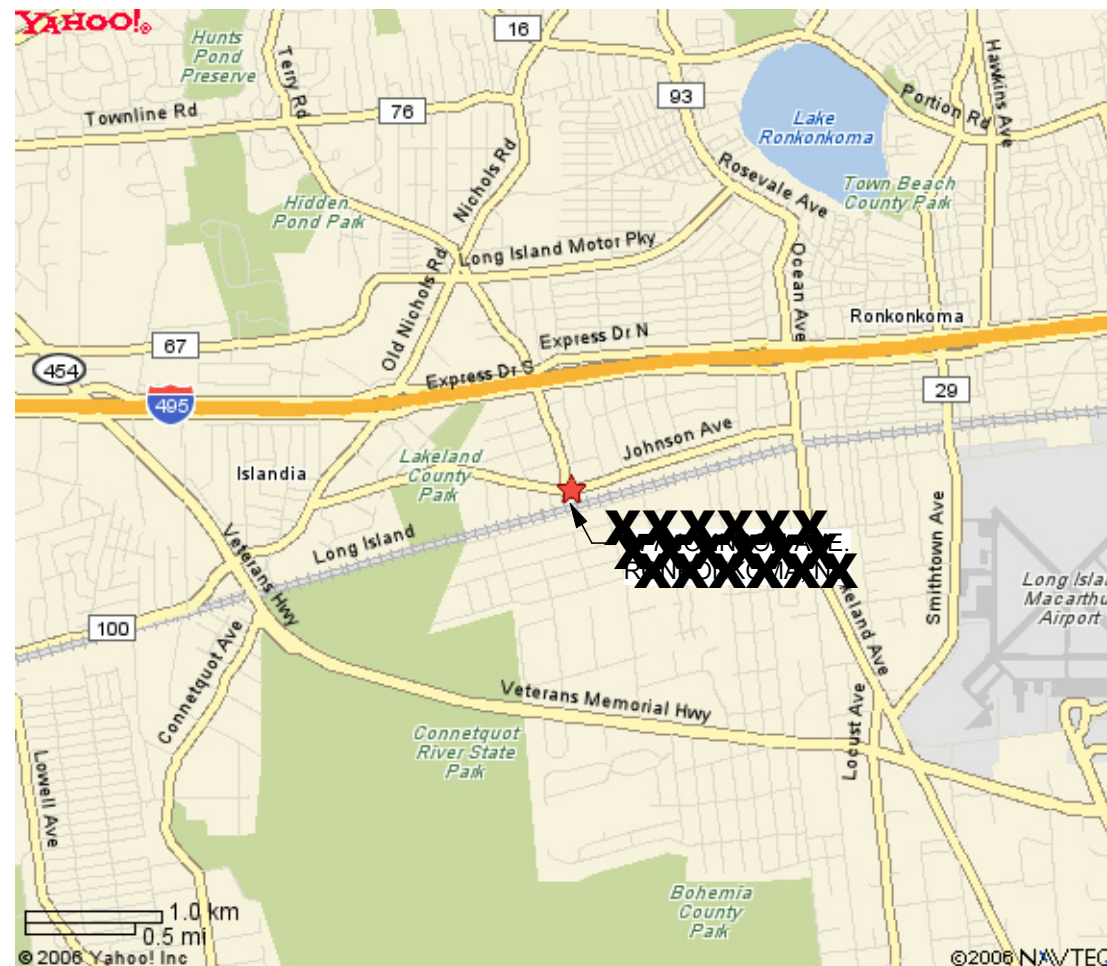
LEACHING POOL COVERS SHALL BE AT LEAST ONE FOOT BELOW GRADE, BUT NOT MORE THAN 2'-0". FOR DEEPER SYSTEM, "DUMMY" RINGS SHALL BE USED TO BRING THE TOP OF THE SLAB OR DOME TO WITHIN 4'-0" OF FINAL GRADE.

MAXIMUM DEPTH OF LEACHING POOL NOT TO EXCEED 25'-0" BELOW GRADE.

LEACHING POOL "CHIMNEYS" SHALL BE OF A PRECAST CONCRETE, SECURELY AFIXED, AND MAY NOT EXCEED 2'-0" IN HEIGHT, OR 4'-0" IF A LOCKING CAST IRON COVER IS INSTALLED AT GRADE.

THE EFFECTIVE LEACHING AREA OF A LEACHING POOL (BELOW INLET PIPE) SHALL BE INSTALLED ENTIRELY IN SAND AND GRAVEL, ACCEPTABLE TO THE HEALTH DEPARTMENT.

THE BOTTOM AND SIDEWALL AREA OF THE LEACHING POOLS SHALL BE FREE OF DEBRIS BEFORE BACKFILLING.



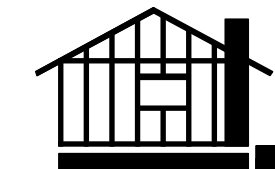
### KEY MAP

SCALE: NOT TO SCALE

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**Rodriguez Septic Plans**

Sheet Title  
**Leaching Pools**

Drawing No.  
**S-2**  
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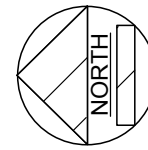
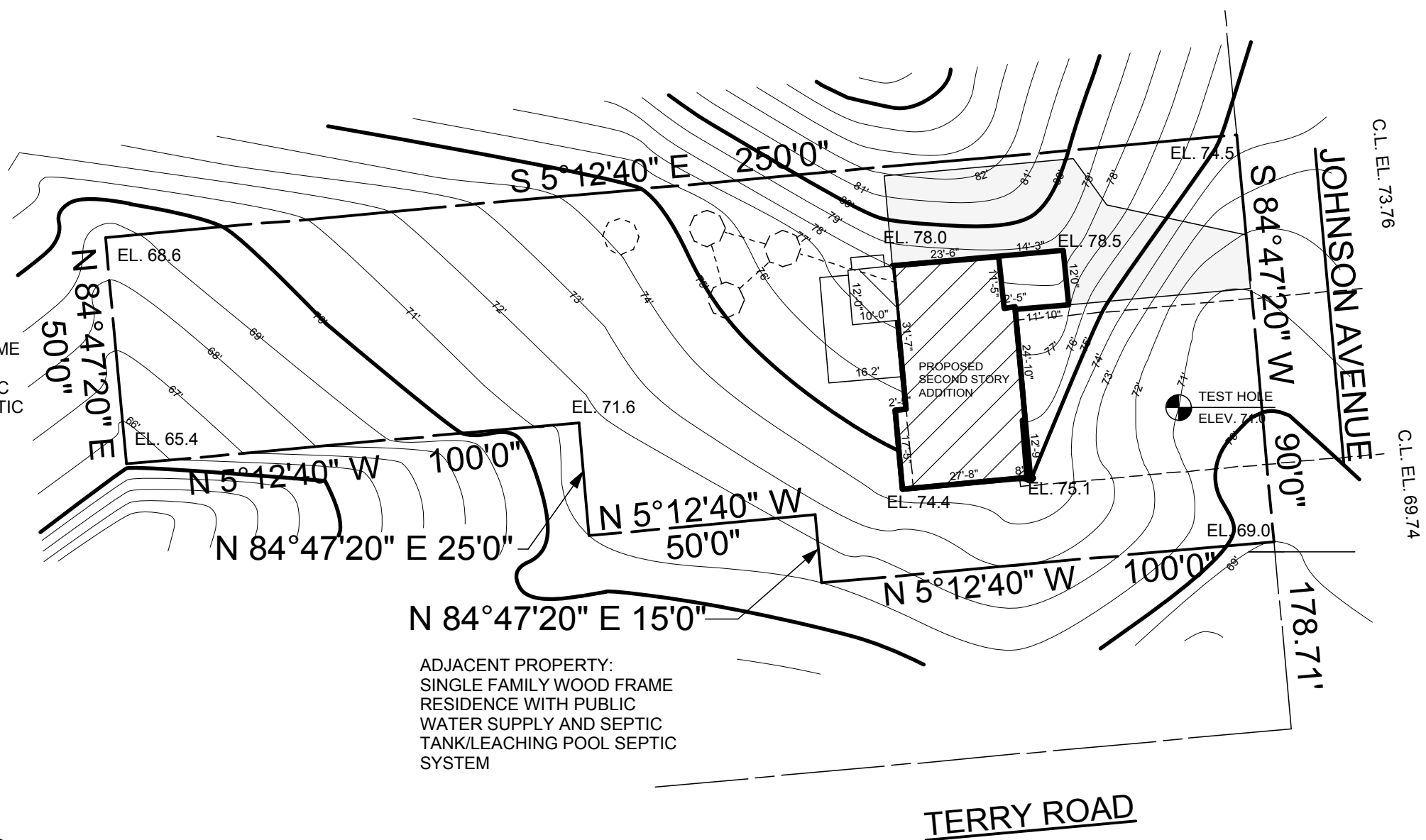
Sheet Title  
**EXISTING CONTOURS**

Drawing No.  
**S-4.2**  
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ADJACENT PROPERTY:  
 SINGLE FAMILY WOOD FRAME  
 RESIDENCE WITH PUBLIC WATER  
 SUPPLY AND SEPTIC TANK/LEACHING  
 POOL SEPTIC SYSTEM

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 SINGLE FAMILY WOOD FRAME  
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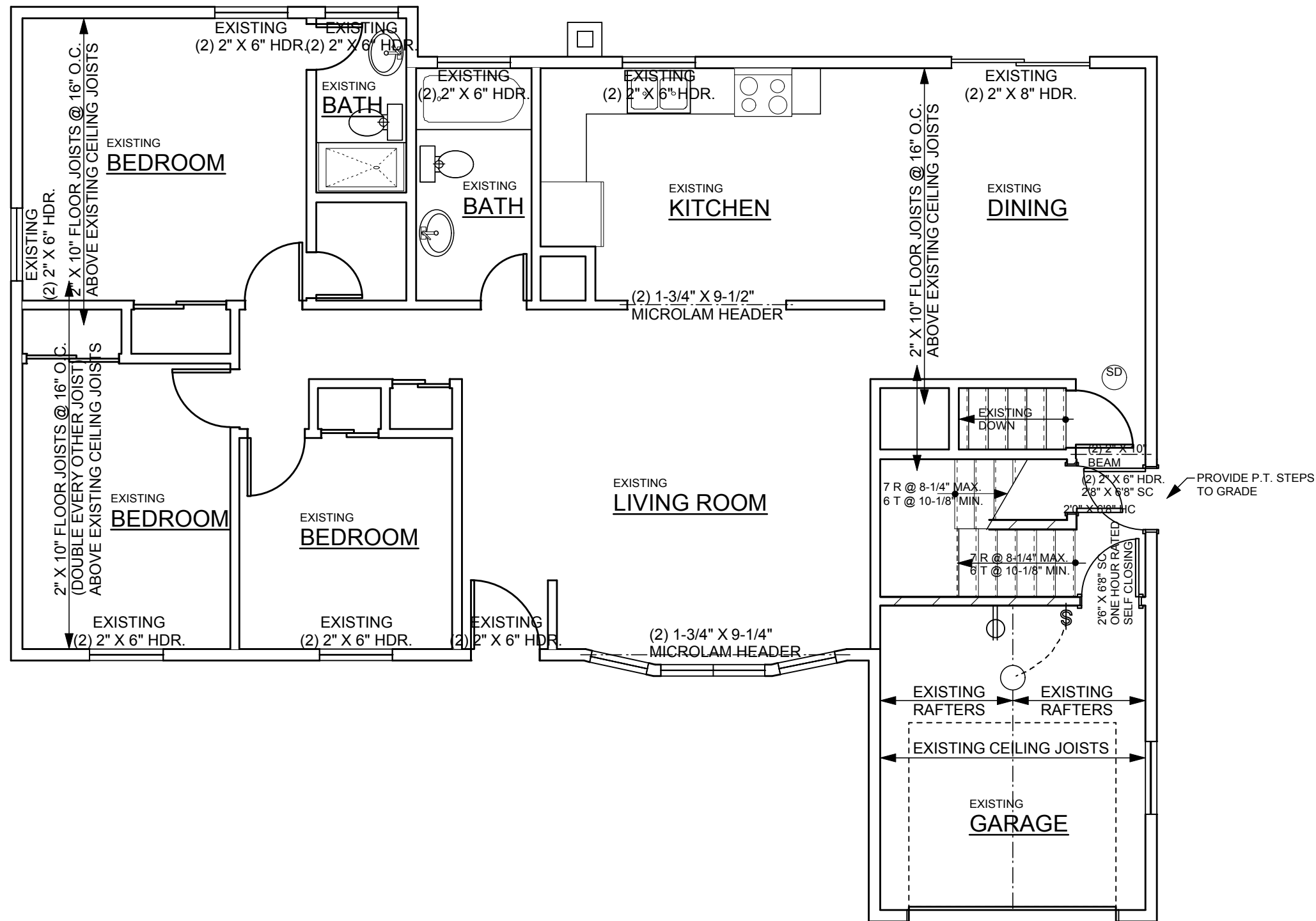
**EXISTING CONTOUR PLAN**

SCALE: 1" = 30'-0"

PLOT PLAN INFORMATION OBTAINED FROM SURVEY BY:  
 JACK ALLISON HALL  
 995 SUNRISE HIGHWAY  
 BABYLON, NY 11704  
 631-669-1073

**FLOOR AREA CALCULATIONS:**

LOT AREA:	17,750 S.F.
FLOOR AREA:	2,847.21 S.F.
FLOOR AREA RATIO:	16.04%
LOT COVERAGE:	1,572.46 S.F.
LOT COVERAGE RATIO:	8.85%



**FIRST FLOOR CONSTRUCTION PLAN**

SCALE: 3/16" = 1'-0"

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Sheet Title  
**First Floor Plan**

Drawing No.  
**S-5**  
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