



Environmental Health Services

175 Sunset Ave.
P.O. Box 2191
Toms River, NJ 08754
(732) 341-9700 ext. 7416
www.ochd.org



Public Health
Prevent. Promote. Protect

OCEAN COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A PERMIT TO INSTALL A SEPTIC SYSTEM AND/OR A WATER SUPPLY SYSTEM

NO PERMIT APPROVED
DATE 9/1/2022

058275 - abandonment

Jackson MUNICIPALITY	(A) To construct both a septic & water supply system	Type of Water System ☒ (A) Potable Non-Public ☐ (B) Potable Public Non-Community ☐ (C) Non-Potable ☐ (D) Public Community System
Comm. Code 15 Official Use Only	(B) To construct a water supply system	
Block 014: 130.02, New 1004	(C) To replace or alter a water supply system	
Lot(s) 014: 3, New 7	(D) To construct or alter a septic system	
	(E) To replace or repair a septic system	

X CA Abandonment

(Current address of applicant required. All information must be completed.)

NAME OF APPLICANT Leonard + Janet Haring PHONE NO. 732-886-5867

ADDRESS 811 Farmingdale Rd CITY Jackson STATE NJ ZIP 08527

DIRECTIONS TO LOCATION Jackson Mills Rd to Farmingdale Rd

WELL APPLICATION

TYPE OF CASING: Material _____ Diameter _____ Grade _____ Thickness _____

TYPE AND METHODS OF SEALING JOINTS: Type _____ Method _____

METHOD OF INSTALLATION _____ If Rotary or Auger, size of hole _____

GROUTING MATERIAL _____ Depth & Method of grouting: Depth _____ Method _____

STORAGE TANK CAPACITY _____ Model No. _____

WELL DRILLER _____ (Print) Lic # _____ Driller Phone # _____

DRILLER _____ (Signature) State Well Permit # _____

NOTE: Copy of NJDEP "Permit to Drill Well" must be attached. Hose bibs are prohibited on non-potable well, unless such well is sampled. NJDEP's "Well Record" must be immediately submitted to the Health Department upon installation of well.

SEPTIC APPLICATION

TYPE OF BUILDING TO BE SERVED Residential Dwelling Unit: No. of Bedrooms 1

EXPANSION ATTIC, DEN OR REC. ROOM: Yes No ☒ If yes, calculate as additional bedroom _____

PERCOLATION TEST PERFORMED BY Cara Smith Date July 18, 2022 Phone 732-866-0111

WEATHER CONDITIONS AT TIME OF TEST Sunny 90°

ENGINEER'S SIGNATURE AND SEAL [Signature]

NOTE: All engineering date relating to soils, percolation & system design must be on engineer's drawing. Engineer's drawings must be signed & sealed by the engineer.

STATEMENT: Submit four (4) complete legible copies of applications, including engineer's & well driller's submissions. Final approval will only be granted after all inspections are completed, "as-built" drawings are submitted (where required) and satisfactory water analysis received, and all fees are paid. Permit is valid for one (1) year from date of issuance.

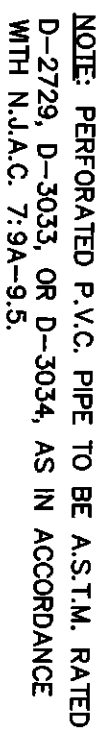
Signed/Sealed document needed from
engineer indicating the abandonment
was done in a satisfactory manner prior
to issuance of cert of compliance

KENNELS
FF=100.3

The diagram is a site plan for a property labeled "KENNELS FF=100.3". The property is bounded by a hatched line representing a fence. Inside the fenced area, there is a rectangular building. To the left of the building, there is a circular feature labeled "WELL". A dashed line, possibly representing a path or a boundary, runs along the left side of the property, starting from the top left corner and extending downwards. The top left corner of the property is marked with a small 'X' and a line segment.



NOTE: SEPTIC TANK SHALL HAVE AN NSF#46 EFFLUENT FILTER AND NEEDS TO BE TESTED FOR WATER TIGHTNESS.



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CONTRACTOR TO VERIFY THAT WATER SOFTENER DISCHARGE IS NOT TIED INTO SEPTIC SYSTEM.
NO WELLS WITHIN 100' OF PROPOSED DISPOSAL FIELD
DESIGN MEETS ALL SETBACK REQUIREMENTS

731.78
N32°16'00"W

PROPOSED
DISPOSAL SITE
IF NECESSARY

PROPOSED
DISPOSAL SITE
IF NECESSARY

NEW BLOCK 1004
NEW LOT 7
OLD BLOCK 130.02
OLD LOT 3

- NOTES:
1. CONTRACTOR/HOMEOWNER TO CONFIRM ALL OUTGOING LINES FROM DWELLING GO TO EXISTING SEPTIC TANK. IF NOT, CONTACT BELOW SIGNED ENGINEER PRIOR TO CONSTRUCTION.
 2. ALL STRUCTURES ASSOCIATED WITH EXISTING SEPTIC SYSTEM TO BE PROPERLY ABANDONED
 3. LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO CONSTRUCTION.

S57°37'00"E
619.50



(IN FEET)

NEW BLOCK 1004 NEW LOT 7 1 inch = 30 ft.
OLD BLOCK 130.02 OLD LOT 3
JULY 18, 2022

SITE EVALUATOR: CARA L. SMITH, P.E.

SOIL LOG #1 (ELEV. 97.5)

0-12" TOPSOIL/ORGANIC

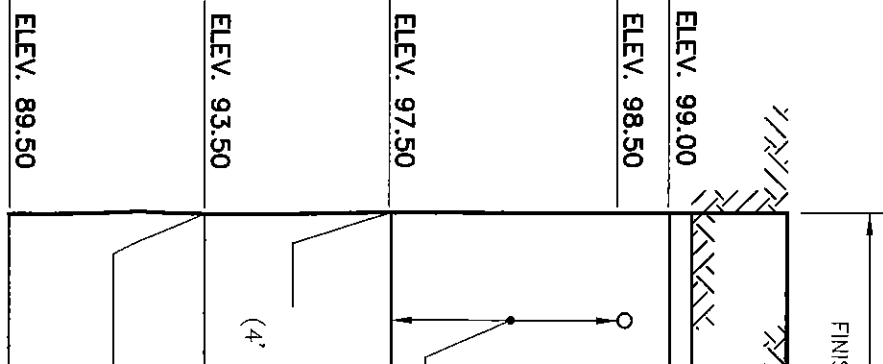
12-120" LOAMY SAND/SAND, BROWN YELLOW (10YR 6/6), WITH LIGHT GREY (10YR 7/1), MOTTLES @ 48", SINGLE GRAIN, LOOSE, MOIST

SEASONAL HIGH WATER TABLE AT 48" (ELEV. 93.5)
NO GROUND WATER ENCOUNTERED

SOIL LOG #1 (ELEV. 97.5)

DISPOSAL BED

1. PER SOIL LOGS 1 AND 2 TO A MINIMUM ELEV. OF 93.50
2. EXCAVATION SHALL BE UNNECESSARY COMPACT SIDEWALLS. HEAVY EQUIPMENT LOADERS SHALL BE NO CLOSER TO THE DISPOSAL SURFACE OF THE DISPOSAL BED THAN THE EXISTING GROUND SURFACE.
3. THE HEALTH OFFICER A SEPTIC SYSTEM INSPECTION TO INSURE SUFFICIENTLY REMOVED
4. THE EXCAVATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING: 7:9A-10.3(c) 2 THROUGHOUT THE AREA
5. EXCAVATION PRIOR TO CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING: 7:9A-10.3(c) 2 THROUGHOUT THE AREA
6. EXISTING GROUND SURFACE SHALL BE PREPARED BY PLOWING, DISKING OR OTHER MEANS TO PREPARE EXISTING SURFACE
7. BACKFILL OF SUITABLE MATERIAL SHALL BE SET FORTH IN THE STANDARD SPECIFICATIONS FOR SUBSURFACE SEWAGE DISPOSAL
8. ONCE THE EXCAVATION IS COMPLETED, THE ENGINEER SHALL NOTIFY THE UNDERSIGNING ENGINEER 48 HOURS PRIOR TO CONSTRUCTION
9. A PERMEABILITY TEST SHALL BE CONDUCTED BY A PROFESSIONAL ENGINEER TO DETERMINE AN ACCEPTABLE PERMEABILITY FOR REPLACEMENT SOILS



ACCORDING TO N.J.A.C. 17:27, THE EXCAVATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING: 7:9A-10.3(c) 2 THROUGHOUT THE AREA

NEW BLOCK 1004
NEW LOT 7
OLD BLOCK 130.02
OLD LOT 3

- ENGINEER PRIOR TO CONSTRUCTION.
2. ALL STRUCTURES ASSOCIATED WITH EXISTING SEPTIC SYSTEM TO BE PROPERLY ABANDONED
3. LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO CONSTRUCTION.

ELEV. 97.50	
ELEV. 93.50	(4)
ELEV. 89.50	

DISPC

EXC/

AND
THI
TH

ACCORDING TO N.J.A.C. 17:27, A WAY THAT THOSE COMPONENTS PRIOR TO IMPROVE THE EXISTING SYSTEM ARE ASSOCIATED WITH

S57°37'00"E
619.50

GRAPHIC SCALE



(IN FEET)

NEW BLOCK 1004 NEW LOT 7 1 inch = 30 ft.
OLD BLOCK 130.02 OLD LOT 3
JULY 18, 2022
SITE EVALUATOR: CARA L. SMITH, P.E.
SOIL LOG #1 (ELEV. 97.5)

0-12" TOPSOIL/ORGANIC

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0-12" TOPSOIL/ORGANIC

12-120" LOAMY SAND/SAND, BROWN YELLOW (10YR 6/6), WITH LIGHT GREY (10YR 7/1), MOTTLES @ 48", SINGLE GRAIN, LOOSE, MOIST

SEASONAL HIGH WATER TABLE AT 48" (ELEV. 93.5)
NO GROUND WATER ENCOUNTERED
*SAMPLE @48+" (K-4)

2' FILL ENCLOSURE AROUND PERIMETER OF DISPOSAL FIELD
4" P.V.C. PERFORATED PIPE WITH LOOPED ENDS

PROVIDE 90° ELBOW AT END OF LATERAL TO JOIN PIPES IN A LOOP

DISPOSAL FIELD
TOTAL BED AREA
819 S.F.

4" PVC (PERFORATED)
LOOPED ENDS

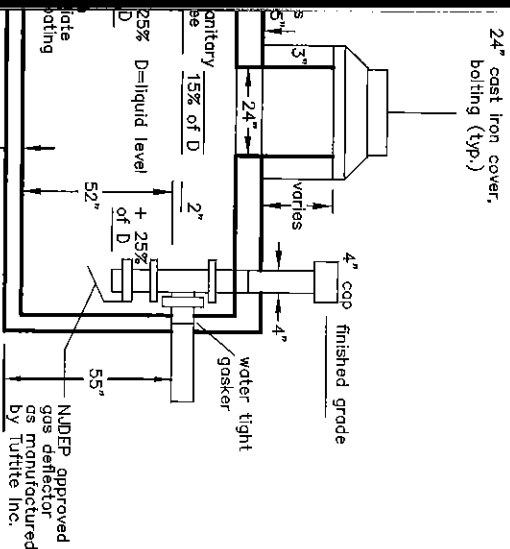
INV. 98.50

DISPOSAL BED DIMENSION AREA = 819 S.F.

DISPOSAL FIELD

N.T.S.

1000 GAL

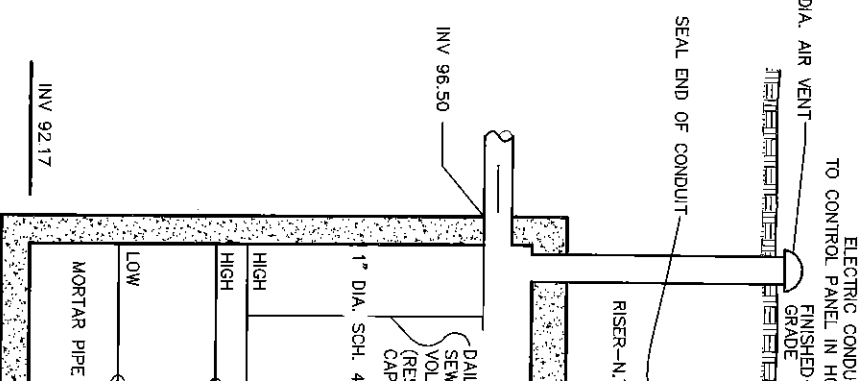


SIDE VIEW

TANK

EFFLUENT FILTER
TIGHTNESS.

TO BE A.S.T.M. RATED
AS IN ACCORDANCE

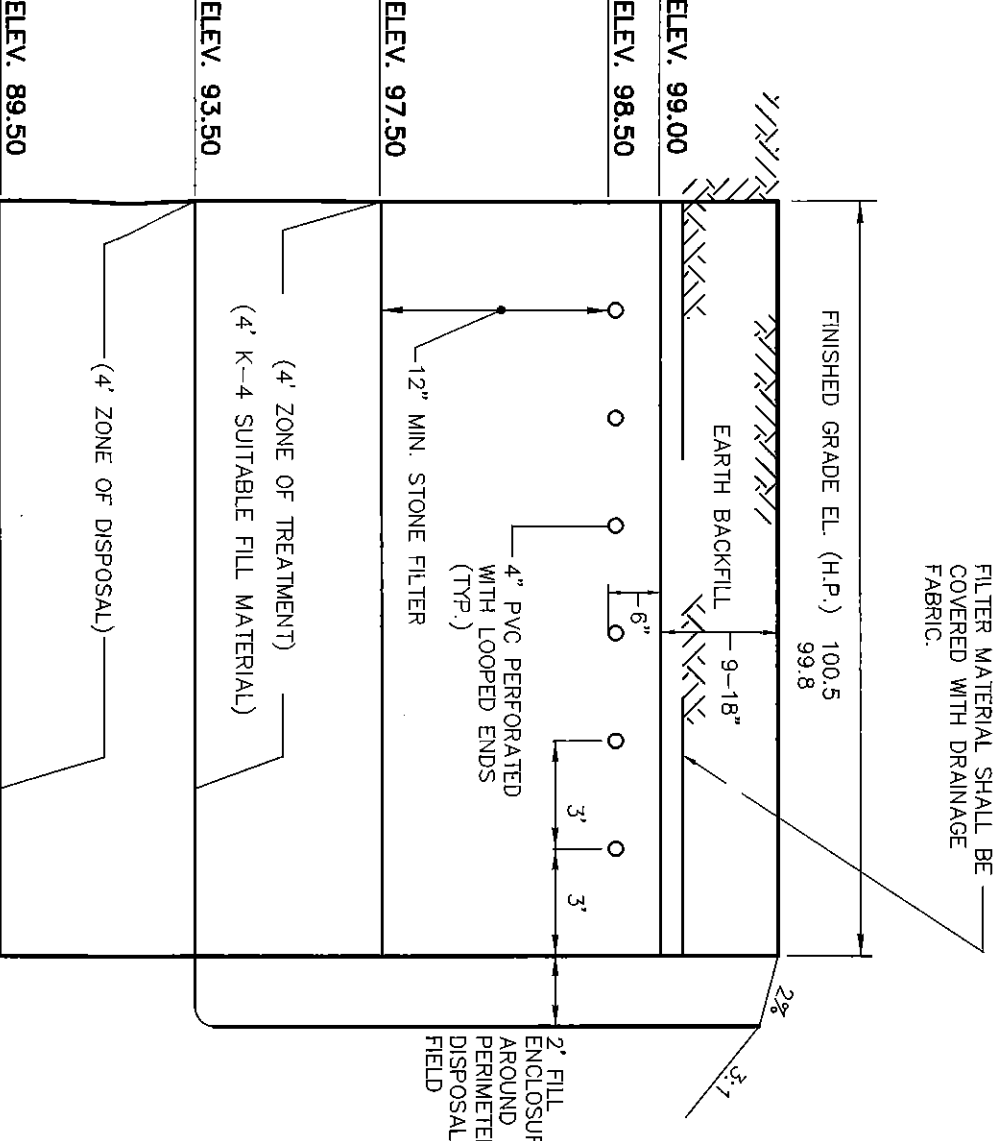


INV 92.17

INV 98.50

DISPOSAL BED AND SOIL EXCAVATION NOTES

1. PER SOIL LOGS 1 AND 2 DESCRIBED ON THIS SHEET, SOILS TO BE REMOVED TO A MINIMUM ELEV. OF 93.5 AND REPLACED WITH K-4 SUITABLE FILL.
2. EXCAVATION SHALL BE CARRIED OUT IN A MANNER THAT WILL AVOID UNNECESSARY COMPACTION OF THE DISPOSAL FIELD BOTTOM AND SIDEWALLS. HEAVY EQUIPMENT SUCH AS BULLDOZERS OR FRONT END LOADERS SHALL BE NOT DRIVEN OVER THE EXPOSED INFILTRATIVE SURFACE OF THE DISPOSAL FIELD.
3. THE HEALTH OFFICER AND DESIGN ENGINEER SHALL BE NOTIFIED UPON EXCAVATION TO INSURE THAT "UNSUITABLE" MATERIALS HAVE BEEN SUFFICIENTLY REMOVED.
4. THE EXCAVATION SHALL BE MADE TO THE REQUIRED DEPTH EXTENDING THROUGHOUT THE AREA TO BE OCCUPIED BY THE DISPOSAL FIELD.
5. EXCAVATION PRIOR TO THE REPLACEMENT OF FILL MATERIAL SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF NJAC 7:9A-10.3(c) 2 THROUGH 5.
6. EXISTING GROUND SURFACES ARE TO THOROUGHLY ROUGHENED BY PLOWING, DISKING OR ANOTHER METHOD WHICH SERVES TO ADEQUATELY PREPARE EXISTING SURFACES.
7. BACKFILL OF SUITABLE MATERIAL SHALL HAVE A PERMEABILITY RATE OF 6-20 INCHES PER HOUR, AND MEET THE MINIMUM REQUIREMENTS SET FORTH IN THE STANDARDS FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS (NJAC 7:9A ET. SEQ.).
8. ONCE THE EXCAVATION HAS BEEN COMPLETED, THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IN WRITING APPROXIMATELY 48 HOURS PRIOR TO COMPLETION OF BACKFILL.
9. A PERMEABILITY TEST SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER TO INSURE THE BACKFILL MATERIAL WILL HAVE AN ACCEPTABLE PERMEABILITY RATE AND MEET THE MINIMUM STANDARDS OF REPLACEMENT SOILS.



DISPOSAL BED CROSS-SECTION

N.T.S.

EXCAVATE SOILS TO A MINIMUM ELEVATION OF 93.5 AND REPLACED WITH (K-4) SUITABLE FILL

CONTRACTOR TO NOTIFY HEALTH OFFICER AND UNDERSIGNED PROFESSIONAL ENGINEER AT THE TIME OF EXCAVATION SO THE BOTTOM OF THE BED CAN BE WITNESSED AND APPROVED

ACCORDING TO N.J.A.C. 7:9A-3.3(c)2 "ALTERATIONS ARE MADE IN SUCH A WAY THAT THOSE COMPONENTS OF THE SYSTEM ALTERED ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR ARE CLOSER TO BEING IN CONFORMANCE WITH THIS CHAPTER THAN ORIGINAL COMPONENTS PRIOR TO THE ALTERATION". IT IS THE INTENT OF THIS PLAN TO IMPROVE THE EXISTING MALFUNCTIONING SYSTEM. NO WARRANTIES OR GUARANTEES ARE ASSOCIATED WITH THIS PLAN.

GENERAL CONSTRUCTION NOTES

1. BOUNDARY INFORMATION TAKEN FROM A PLAN ENTITLED "SURVEY OF PROPERTY PREPARED FOR LEONARD & JANET HARING SITUAT IN THE TOWNSHIP OF JACKSON, OCEAN COUNTY NEW JERSEY", PREPARED BY ROBERT S. YURO., NPLS UC. NO. 19463, DATED 02/28/96.
 2. DO NOT SCALE DRAWINGS. ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC., ARE SCHEMATIC ONLY EXCEPT WHERE DIMENSIONS ARE SHOWN THERE TO.
 3. THIS PLAN IS NOT A SURVEY OR PLOT PLAN. IT IS TO BE UTILIZED FOR THE CONSTRUCTION OF THE INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM ONLY.
 4. BOTTOM OF THE BED AND DISTRIBUTION LINES SHALL HAVE A RELATIVELY LEVEL GRADE. MAXIMUM SLOPE OF 2" IN 100 FEET.
 5. STONE SHALL BE WASHED GRAVEL OR CRUSHED STONE, FREE OF DUST, ASHES OR CLAY. THE FILTER MATERIAL SHALL CONFORM TO NJDOT STANDARD SIZES FOR COARSE AGGREGATES IN SIZE AND GRADATION TO SIZE NO. 24, SIZE NO. 3 OR SIZE NO. 4.
 6. UNDER NO CONDITION SHALL MECHANICAL EQUIPMENT BE USED TO BACKFILL THE BED.
 7. BED SHOULD BE CONSTRUCTED AFTER ALL DANGER FROM MECHANICAL EQUIPMENT HAS PASSED.
 8. CONSTRUCTION OF THIS BED SHALL TAKE PLACE WHEN SOIL IS IN A SUITABLE CONDITION.
 9. MINIMUM DIAMETER OF DISTRIBUTION LINES IS 4 INCHES.
 10. SEEPAGE AREA REQUIREMENTS MUST CONFORM TO THE CURRENT JERSEY D.E.P. MANUAL "STANDARDS FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS."
 11. SEPTIC TANK SHALL BE A MINIMUM OF 10 FEET FROM DWELLING.
 12. DISPOSAL FIELD SHALL BE A MINIMUM OF 25 FEET FROM THE DWELLING AND 10 FEET FROM PROPERTY LINES.
 13. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL, ANY TOPOGRAPHIC OR OTHER FEATURES DIFFER IN THE FIELD THAN WHAT IS SHOWN ON THE PLAN.
 14. PERMANENT MARKERS SHALL BE PROVIDED OVER THE DISTRIBUTION LINES.
 15. MARK 4 CORNERS OF DISPOSAL FIELD TO PREVENT MACHINERY OVER INSTALLED AREAS.
 16. CONTRACTOR TO MULCH DISPOSAL FIELD TO PREVENT SOIL EROSION OVER WINTER MONTHS. DISPOSAL FIELD TO BE SEEDED BY OWNERS AFTER SPRING THAW.
 17. SOIL LOGS SHOWN HEREON IS BASED UPON ON-SITE FIELD INSPECTION BY CARA L. SMITH, P.E. ON JULY 18, 2022.
 18. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE PRESENTED HEREON. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO REVIEW SAID LOGS AND/OR RENDER THE DESIGN SHOWN HEREON TO THE APPROPRIATE MUNICIPAL, COUNTY OR STATE OFFICIALS AND/OR THE UNDERSIGNED PROFESSIONAL'S SATISFACTION.
 19. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IN WRITING APPROXIMATELY 48 HOURS PRIOR TO COMPLETION OF THE EXCAVATION OF THE DISPOSAL FIELD AND GRANT THE UNDERSIGNED PROFESSIONAL ACCESS TO THE SITE DURING ALL CONSTRUCTION TO VERIFY SITE CONDITIONS AND OBSERVE CONSTRUCTION. THE CONTRACTOR SHALL NOT POSTPONE, ALTER, AND/OR DELAY THE CONSTRUCTION SCHEDULE OF THE DISPOSAL FIELD PENDING SITE VISITATION FROM THE UNDERSIGNED PROFESSIONAL.
 20. THIS SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE FLOWS FROM 1 BEDROOM PRIVATE RESIDENTIAL BUILDING WITHOUT AN EXPANSION OF A DOMESTIC GARBAGE GRINDER OR EJECTOR PUMP.
 21. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES.
 22. THE SEPTIC SYSTEM INSTALLER IS TO BE FULLY AWARE OF ALL REQUIREMENTS AND SPECIFICATIONS WITHIN THE CURRENT STANDARDS FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS (NJAC 7:9A ET. SEQ.).
- NOTE: PRIOR TO EXCAVATION, CONTRACTOR TO CONTACT OWNER TO VERIFY LOCATION OF ALL UNDERGROUND SPRINKLERS, ELECTRICAL CONDUITS AND PRIVATE UTILITIES.
- NOTE: PRIOR TO EXCAVATION, CONTRACTOR TO CALL FOR A UTILITY MARK OUT FOR ALL UNDERGROUND UTILITIES.
- NOTE: EFFLUENT FILTERS ARE REQUIRED ON ALL OUTGOING SEPTIC TANK AND CERTIFIED
- NOTE: WATER TIGHTNESS TEST ON ALL NEW SEPTIC TANKS MUST BE DONE AND CERTIFIED
- NOTE: ALL MANHOLE COVERS MUST BE AT GRADE WITH LOCKING COVERS. AN INFORMATION MARKER MUST BE PROVIDED INSIDE THE LOT WITH THE NAME OF THE LOCAL HEALTH DEPARTMENT, PERMIT NUMBER, DATE OF INSTALLATION, TYPE OF SYSTEM, AND TOTAL DESIGN FLOW IN GPD.

ELEV. 97.50	4" PVC PERFORATED WITH LOOPED ENDS (TYP.)
	12" MIN. STONE FILTER
	(4' ZONE OF TREATMENT)
ELEV. 93.50	(4' K-4 SUITABLE FILL MATERIAL)
	(4' ZONE OF DISPOSAL)
ELEV. 89.50	

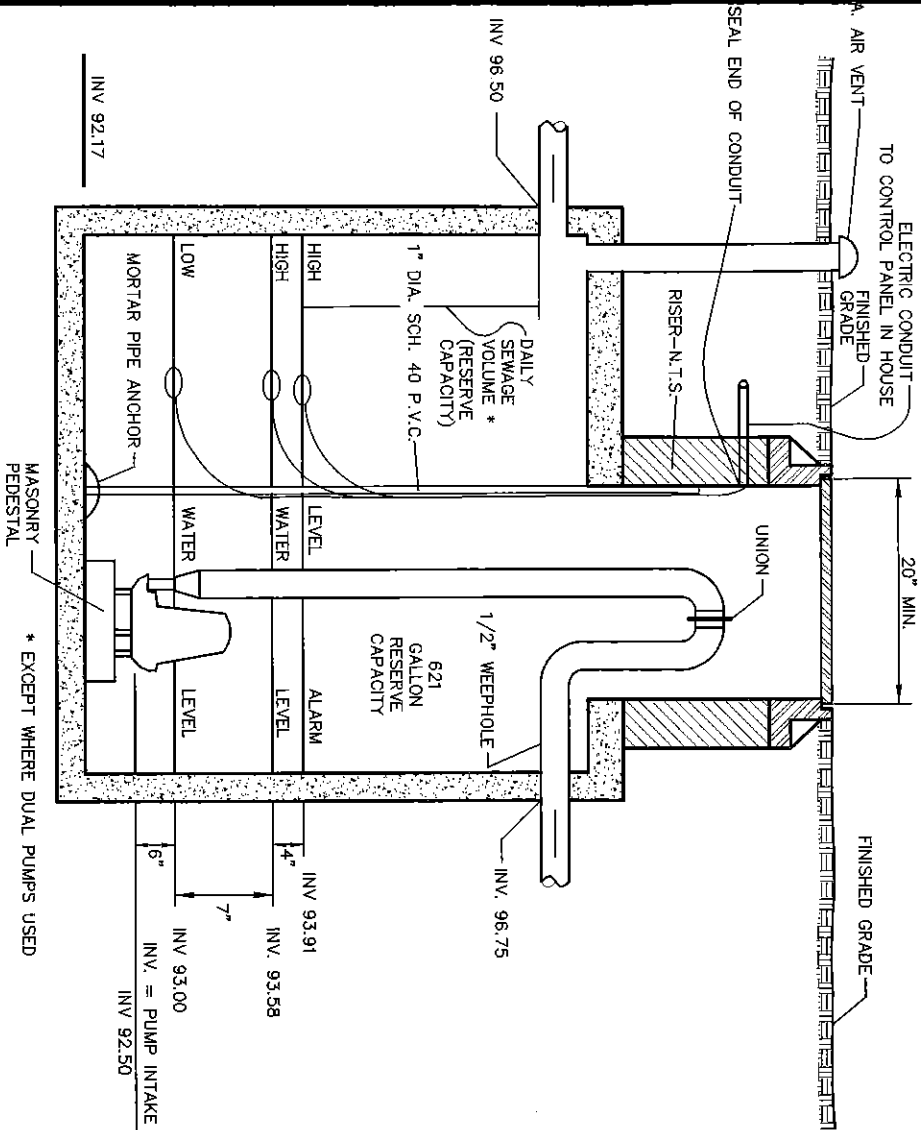
DISPOSAL BED CROSS-SECTION

N.T.S.

EXCAVATE SOILS TO A MINIMUM ELEVATION OF 93.5 AND REPLACED WITH (K-4) SUITABLE FILL.

CONTRACTOR TO NOTIFY HEALTH OFFICER AND UNDERSIGNED PROFESSIONAL ENGINEER AT THE TIME OF EXCAVATION SO THE BOTTOM OF THE BED CAN BE WITNESSED AND APPROVED

ACCORDING TO N.J.A.C. 7:9A-3.3(C)2 "ALTERATIONS ARE MADE IN SUCH A WAY THAT THOSE COMPONENTS OF THE SYSTEM ALTERED ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR ARE CLOSER TO BEING IN CONFORMANCE WITH THIS CHAPTER THAN ORIGINAL COMPONENTS PRIOR TO THE ALTERATION". IT IS THE INTENT OF THIS PLAN TO IMPROVE THE EXISTING MALFUNCTIONING SYSTEM. NO WARRANTIES OR GUARANTEES ARE ASSOCIATED WITH THIS PLAN.



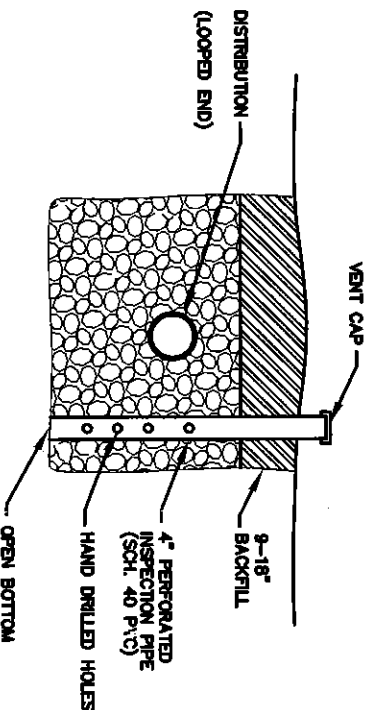
1000 GALLON DOSING TANK WITH PUMP

N.T.S.

- AROUND PERIMETER OF DISPOSAL FIELD
- AFTER SPRING THAW.
- SOIL LOGS SHOWN HEREON IS BASED UPON ON-SITE FIELD INSPECTION BY CARA L SMITH, P.E. ON JULY 18, 2022.
- THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSION, IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE PRESENTED HEREON. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO REVIEW SAID CO AND/OR RENDER THE DESIGN SHOWN HEREON TO THE APPROPRIATE MUNICIPAL, COUNTY OR STATE OFFICIAL'S AND/OR THE UNDERSIGNED PROFESSIONAL'S SATISFACTION.

- THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSION, WRITING APPROXIMATELY 48 HOURS PRIOR TO COMPLETION OF THE EXCAVATION OF THE DISPOSAL FIELD AND GRANT THE UNDERSIGNED PROFESSIONAL ACCESS TO THE SITE DURING ALL CONSTRUCTION TO VERIFY SITE CONDITIONS AND OBSERVE CONSTRUCTION. THE CONTRACTOR SHALL NOT POSTPONE, ALTER, AND/OR DELAY THE CONSTRUCTION SCHEDULE OF THE DISPOSAL FIELD PENDING SITE VISITATION FROM THE UNDERSIGNED PROFESSIONAL.
- THIS SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE FLOWS FROM 1 BEDROOM PRIVATE RESIDENTIAL BUILDING WITHOUT AN EXPANSION A DOMESTIC GARBAGE GRINDER OR ELECTOR PUMP.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION ALL UNDERGROUND UTILITIES.
- THE SEPTIC SYSTEM INSTALLER IS TO BE FULLY AWARE OF ALL REQUIREMENTS AND SPECIFICATIONS WITHIN THE CURRENT STANDARD FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS (NJAC 7:27, SEQ.).
- NOTE: PRIOR TO EXCAVATION, CONTRACTOR TO CONTACT OWNER TO VERIFY LOCATION OF ALL UNDERGROUND SPRINKLERS, ELECTRICAL CONDUITS AND PRIVATE UTILITIES.
- NOTE: PRIOR TO EXCAVATION, CONTRACTOR TO CALL FOR A UTILITY MARK OUT FOR ALL UNDERGROUND UTILITIES.
- NOTE: EFFLUENT FILTERS ARE REQUIRED ON ALL OUTGOING SEPTIC TANK 1
- NOTE: WATER TIGHTNESS TEST ON ALL NEW SEPTIC TANKS MUST BE DONE AND CERTIFIED

NOTE: ALL MANHOLE COVERS MUST BE AT GRADE WITH LOCKING COVERS. AN INFORMATION MARKER MUST BE PROVIDED INSIDE THE LID WITH THE NAME OF THE LOCAL HEALTH DEPARTMENT, PERMIT NUMBER, DATE OF INSTALLATION, TYPE OF SYSTEM, AND TOTAL DESIGN FLOW IN GPD. MARKER MUST BE ATLEAST 6", SQUARE, AND MADE OF NON-CORROSIVE



DISPOSAL BED INSPECTION PIPE DETAIL

N.T.S.

1. JAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS."

TANK SHALL BE A MINIMUM OF 10 FEET FROM DWELLINGS.

AL FIELD SHALL BE A MINIMUM OF 25 FEET FROM THE

NG AND 10 FEET FROM PROPERTY LINES.

ONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IF
TOPOGRAPHIC OR OTHER FEATURES DIFFER IN THE FIELD THAN
IS SHOWN ON THE PLAN.

NEENT MARKERS SHALL BE PROVIDED OVER THE DISTRIBUTION BOX.

4 CORNERS OF DISPOSAL FIELD TO PREVENT MACHINERY RUNNING
NSTALLLED AREAS.

ACTOR TO MULCH DISPOSAL FIELD TO PREVENT SOIL EROSION
WINTER MONTHS. DISPOSAL FIELD TO BE SEEDED BY OWNER
SPRING THAW.

OGS SHOWN HEREON IS BASED UPON ON-SITE FIELD
CTION BY CARA L. SMITH, P.E. ON JULY 18, 2022.

ONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL
ATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER
IALLY FROM THOSE PRESENTED HEREON. THE UNDERSIGNED
SSIONAL SHALL BE GRANTED ACCESS TO REVIEW SAID CONDITION,
R RENDER THE DESIGN SHOWN HEREON TO THE APPROPRIATE
PAL, COUNTY OR STATE OFFICIAL'S AND/OR THE UNDERSIGNED
SSIONAL'S SATISFACTION.

ONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IN
G APPROXIMATELY 48 HOURS PRIOR TO COMPLETION OF THE
ATION OF THE DISPOSAL FIELD AND GRANT THE UNDERSIGNED
SSIONAL ACCESS TO THE SITE DURING ALL CONSTRUCTION PHASES
RIFY SITE CONDITIONS AND OBSERVE CONSTRUCTION. THE
ACTOR SHALL NOT POSTPONE, ALTER, AND/OR DELAY THE
RDUCTION SCHEDULE OF THE DISPOSAL FIELD PENDING SITE
ITION FROM THE UNDERSIGNED PROFESSIONAL

SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE FLOWS FROM A
ROOM PRIVATE RESIDENTIAL BUILDING WITHOUT AN EXPANSION ROOM,
ESTIC GARBAGE GRINDER OR EJECTOR PUMP.

ONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF
UNDERGROUND UTILITIES.

SEPTIC SYSTEM INSTALLER IS TO BE FULLY AWARE OF ALL
REMENTS AND SPECIFICATIONS WITHIN THE CURRENT STANDARDS
INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS (NJAC 7:9A
Q).

PRIOR TO EXCAVATION, CONTRACTOR TO CONTACT OWNER TO
' LOCATION OF ALL UNDERGROUND SPRINKLERS, ELECTRICAL
UTS AND PRIVATE UTILITIES.

PRIOR TO EXCAVATION, CONTRACTOR TO CALL FOR A UTILITY
OUT FOR ALL UNDERGROUND UTILITIES.

EFFLUENT FILTERS ARE REQUIRED ON ALL OUTGOING SEPTIC TANK LINES.

WATER TIGHTNESS TEST ON ALL NEW SEPTIC TANKS MUST BE DONE
ERTIFIED

ALL MANHOLE COVERS MUST BE AT GRADE WITH LOCKING COVERS.
FORMATION MARKER MUST BE PROVIDED INSIDE THE LID WITH
AME OF THE LOCAL HEALTH DEPARTMENT, PERMIT NUMBER, DATE
STALLATION, TYPE OF SYSTEM, AND TOTAL DESIGN FLOW IN GPD.

ATERIAL MUST BE ATLEAST 6", SQUARE, AND MADE OF NON-CORROSIVE MATERIAL

2. BASED UPON A FINAL INSPECTION, A PROFESSIONAL ENGINEER
SHALL CERTIFY BY SIGNATURE AND SEAL THAT COMPACTION OF
THE FILL HAS BEEN PERFORMED ADEQUATELY TO PREVENT FAILURE
OF ANY COMPONENT OF THE SYSTEM DUE TO EXCESSIVE SETTLEMENT
OR DIFFERENTIAL SETTLEMENT.

3. FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS ONE
FOOT OR LESS IN THICKNESS.

4. COMPACTION MAY BE ACCOMPLISHED MANUALLY OR MECHANICALLY,
BY TAMPING OR ROLLING, OR BY DRIVING OVER THE FILLED AREA
IN A CONTROLLED PATTERN USING TRACKED OR RUBBER-TIRED
VEHICLES. COMPACTION MAY ALSO BE ACCOMPLISHED BY PUDDLING.

5. WHEN HEAVY EXCAVATING EQUIPMENT IS OPERATED WITHIN THE
EXCAVATION FOR THE PURPOSE OF PLACEMENT OR COMPACTION OF
THE FILL MATERIAL, THIS EQUIPMENT SHALL NOT BE DRIVEN DIRECTLY
ON THE EXPOSED BOTTOM OF THE EXCAVATION. A MINIMUM OF ONE
FOOT OF FILL MATERIAL SHALL BE MAINTAINED BELOW THE VEHICLE
TRACKS OR WHEELS AT ALL TIMES.

DISPOSAL BED CALCULATIONS

NO. OF BEDROOMS = 1 BEDROOM IN EXISTING HOUSE

DESIGN PERMEABILITY K-4 (6-20 IN./HR.)

FIRST BEDROOM 200 GALS./DAY
ADDITIONAL VOLUME 300 GALS./DAY
TOTAL VOLUME 500 GALS./DAY

500 GALS./DAY x 1.61 SQ. FT./GAL./DAY = 805 SQ. FT.
TOTAL BED SIZE REQUIRED - 805 SQUARE FEET
TOTAL BED SIZE PROVIDED - 819 SQUARE FEET (21' x 39')
W/ 2' FILL ENCLOSURE

NOTE:

CALCULATIONS ARE BASED ON A 1 BEDROOM DWELLING
WITH NO PROVISIONS FOR ADDITIONAL BEDROOMS AND NO
GARBAGE GRINDER OR EJECTOR PUMP.

SEPTIC TANK CALCULATIONS

NO. OF BEDROOMS = 1
250 GALS. PER BEDROOM
1 X 250 = 250 GALLONS

* USE PROPOSED 1000 GALLON SEPTIC TANK

PLAN PREPARED FOR:

LEONARD & JANET HARING
811 FARMINGDALE ROAD

JACKSON, NJ 08527

PHONE: 732-886-5867

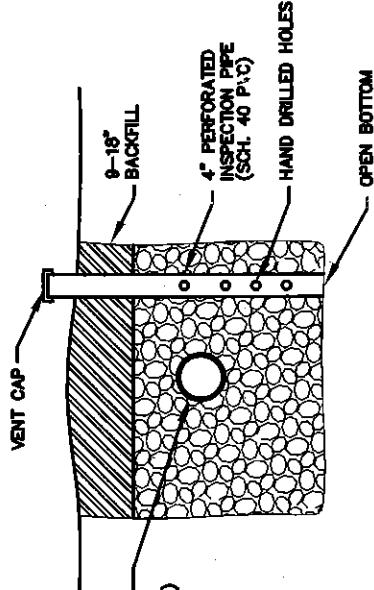
EMAIL: JANHARING@VERIZON.NET

ALTERNATE EMAIL:

LENHARING@GMAIL.COM

Conditionally Approved 9/1/2022

REV.	DATE	DESCRIPTION
TRE Civil Engineers Forensic Experts Environmental Consultants TWO RIVER ENGINEERING www.tworivereng.com P.O. Box 155 Colts Neck, N.J. 07722 Tel: 732.866.0111 Fax: 732.866.4348		
PROJECT NO.: 22106 DATE: JULY, 27 2022 DRAWING NO.: 22106SP DRAWN BY: ERI CLIENT: HARING SCALE: AS SHOWN		
SEPTIC DESIGN PLAN FOR NEW BLOCK 1004 NEW LOT 7 OLD BLOCK 130.02 OLD LOT 3 TOWNSHIP OF JACKSON OCEAN COUNTY NEW JERSEY		
CARA L. SMITH 07-27-2022 DATE N.J. Professional Engineer License No. 24GE03792900		
SHEET NO. 1 OF 1		



12 INCH BED INSPECTION PIPE DETAIL

N.T.S.

This sheet needs to be resubmitted w/ distances prior to issuance of a cert. of compliance by this office.

GENERAL CONSTRUCTION NOTES

ALL INFORMATION TAKEN FROM A PLAN ENTITLED "SURVEY PROPERTY PREPARED FOR LEONARD & JANET HARING SITUATED OWNERSHIP OF JACKSON, OCEAN COUNTY NEW JERSEY", DATED BY ROBERT S. YURO., NJPLS LIC. NO. 19463, DATED 6.

SCALE DRAWINGS. ADJACENT AND SURROUNDING PHYSICAL FEATURES, BUILDINGS, STRUCTURES, ETC., ARE SCHEMATIC ONLY WHERE DIMENSIONS ARE SHOWN THERETO.

THIS PLAN IS NOT A SURVEY OR PLOT PLAN. IT IS TO BE UTILIZED FOR THE CONSTRUCTION OF THE INDIVIDUAL SUBSURFACE SEWAGE SYSTEM ONLY.

THE SLOPE OF THE BED AND DISTRIBUTION LINES SHALL HAVE A MINIMUM LEVEL GRADE. MAXIMUM SLOPE OF 2" IN 100 FEET.

THE BED SHALL BE WASHED GRAVEL OR CRUSHED STONE, FREE OF FINES, SANDS OR CLAY. THE FILTER MATERIAL SHALL CONFORM TO STANDARD SIZES FOR COARSE AGGREGATES IN SIZE AND DISTRIBUTION TO SIZE NO. 24, SIZE NO. 3 OR SIZE NO.4.

NO CONDITION SHALL MECHANICAL EQUIPMENT BE USED TO EXCAVATE THE BED.

THE BED SHOULD BE CONSTRUCTED AFTER ALL DANGER FROM MECHANICAL EQUIPMENT HAS PASSED.

CONSTRUCTION OF THIS BED SHALL TAKE PLACE WHEN SOIL IS DRY.

THE MINIMUM DIAMETER OF DISTRIBUTION LINES IS 4 INCHES.

THE BED AREA REQUIREMENTS MUST CONFORM TO THE CURRENT NEW JERSEY D.E.P. MANUAL "STANDARDS FOR THE CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEMS."

THE TANK SHALL BE A MINIMUM OF 10 FEET FROM DWELLINGS.

THE BED SHALL BE A MINIMUM OF 25 FEET FROM THE PROPERTY LINE AND 10 FEET FROM PROPERTY LINES.

THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IF ANY TOPOGRAPHIC OR OTHER FEATURES DIFFER IN THE FIELD THAN SHOWN ON THE PLAN.

PERMANENT MARKERS SHALL BE PROVIDED OVER THE DISTRIBUTION BOX.

THE 4 CORNERS OF DISPOSAL FIELD TO PREVENT MACHINERY RUNNING IN UNDESIGNED AREAS.

THE CONTRACTOR TO MULCH DISPOSAL FIELD TO PREVENT SOIL EROSION IN WINTER MONTHS. DISPOSAL FIELD TO BE SEED BY OWNER IN SPRING THAW.

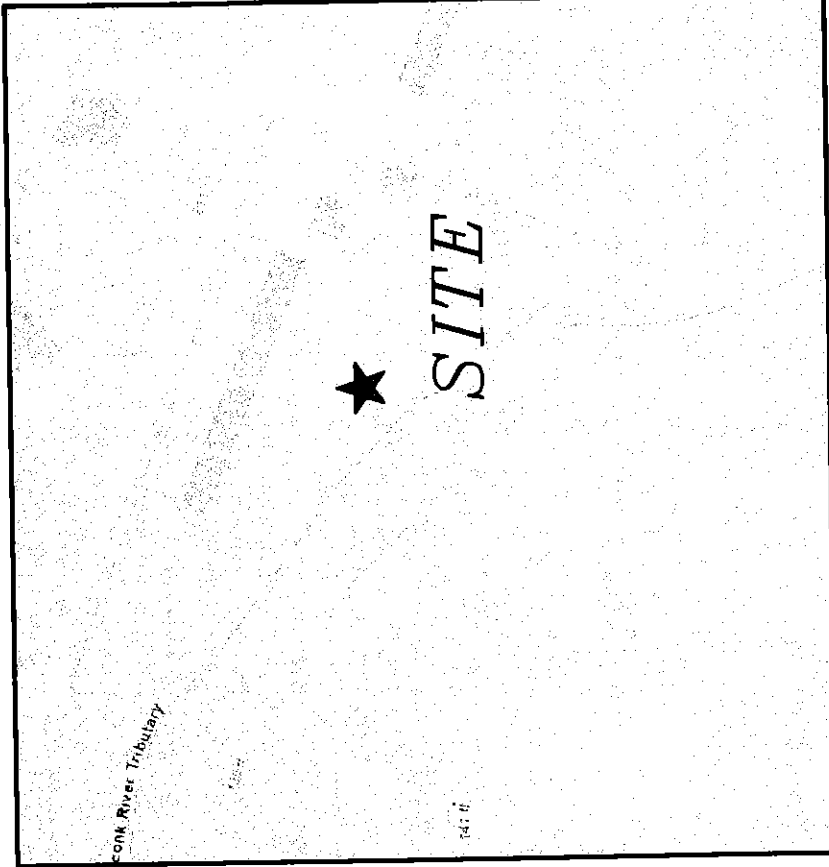
THE LOGS SHOWN HEREON IS BASED UPON ON-SITE FIELD INSPECTION BY CARA L. SMITH, P.E. ON JULY 18, 2022.

THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE PRESENTED HEREON. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO REVIEW SAID CONDITION, OR RENDER THE DESIGN SHOWN HEREON TO THE APPROPRIATE AGENCIES, LOCAL, COUNTY OR STATE OFFICIALS AND/OR THE UNDERSIGNED PROFESSIONAL'S SATISFACTION.

THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IN WRITING APPROXIMATELY 48 HOURS PRIOR TO COMPLETION OF THE CONSTRUCTION OF THE DISPOSAL FIELD AND GRANT THE UNDERSIGNED PROFESSIONAL ACCESS TO THE SITE DURING ALL CONSTRUCTION PHASES. THE CONTRACTOR SHALL NOT POSTPONE, ALTER, AND/OR DELAY THE CONSTRUCTION SCHEDULE OF THE DISPOSAL FIELD PENDING SITE INSPECTION FROM THE UNDERSIGNED PROFESSIONAL.

THE SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE FLOWS FROM A SEWAGE TREATMENT PLANT PRIVATE RESIDENTIAL BUILDING WITHOUT AN EXPANSION ROOM, SEWAGE TREATMENT GRINDER OR EJECTOR PUMP.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES AND ADJACENT PROPERTY LINES.



KEY MAP

COMPACTION NOTES

COMPACTION OF FILL MATERIAL SHALL BE REQUIRED WHENEVER FILL MATERIAL IS USED BELOW THE DISPOSAL FIELD AND SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. COMPACTION OF FILL SHALL BE CARRIED OUT AS DIRECTED BY A PROFESSIONAL ENGINEER AND AS INDICATED ON THE APPROVED ENGINEERING DESIGN.
2. BASED UPON A FINAL INSPECTION, A PROFESSIONAL ENGINEER SHALL CERTIFY BY SIGNATURE AND SEAL THAT COMPACTION OF THE FILL HAS BEEN PERFORMED ADEQUATELY TO PREVENT FAILURE OF ANY COMPONENT OF THE SYSTEM DUE TO EXCESSIVE SETTLEMENT OR DIFFERENTIAL SETTLEMENT.
3. FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS ONE FOOT OR LESS IN THICKNESS.
4. COMPACTION MAY BE ACCOMPLISHED MANUALLY OR MECHANICALLY, BY TAMPING OR ROLLING, OR BY DRIVING OVER THE FILLED AREA IN A CONTROLLED PATTERN USING TRACKED OR RUBBER-TIRED VEHICLES. COMPACTION MAY ALSO BE ACCOMPLISHED BY PUDDLING.
5. WHEN HEAVY EXCAVATING EQUIPMENT IS OPERATED WITHIN THE EXCAVATION FOR THE PURPOSE OF PLACEMENT OR COMPACTION OF THE FILL MATERIAL, THIS EQUIPMENT SHALL NOT BE DRIVEN DIRECTLY ON THE EXPOSED BOTTOM OF THE EXCAVATION. A MINIMUM OF ONE FOOT OF FILL MATERIAL SHALL BE MAINTAINED BELOW THE VEHICLE TRACKS OR WHEELS AT ALL TIMES.

DISPOSAL BED CALCULATIONS

NO. OF BEDROOMS	=	1 BEDROOM IN EXISTING HOUSE
DESIGN PERMEABILITY		K-4 (6-20 IN./HR.)
FIRST BEDROOM		200 GALS./DAY
ADDITIONAL VOLUME		300 GALS./DAY
TOTAL VOLUME		500 GALS./DAY

500 GALS./DAY x 1.61 SQ. FT./GAL/DAY = 805 SQ. FT.
TOTAL BED SIZE REQUIRED - 805 SQUARE FEET
TOTAL BED SIZE PROVIDED - 819 SQUARE FEET (21' x 39')
W/ 2' FILL ENCLOSURE

NOTE:

CALCULATIONS ARE BASED ON A 1 BEDROOM DWELLING WITH NO PROVISIONS FOR ADDITIONAL BEDROOMS AND NO GARBAGE GRINDER OR EJECTOR PUMP.

SEPTIC TANK CALCULATIONS

NO. OF BEDROOMS = 1
250 GALS. PER BEDROOM
1 X 250 = 250 GALLONS