

Board of Health
TOWNSHIP OF COLTS NECK

5772

FEE \$ 75

Date 7/13/06

..... Permit to Construct a Septic System

☒ Permit to Alter a Septic System

..... Permit to Construct a Well

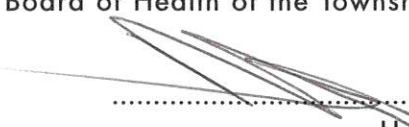
Permission is hereby granted to R-TSCMD

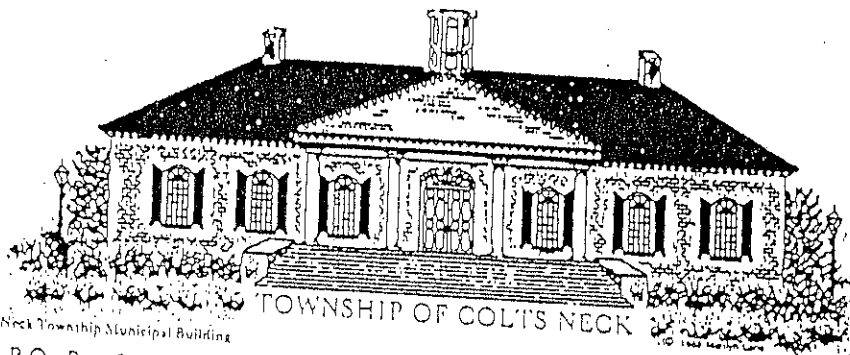
Address

to perform the above stated work at

Blk. 721 Lot 21 Owned by

Address in accordance
with the regulations of the Board of Health of the Township of Colts Neck, N. J.


Health Officer



Colts Neck Township Municipal Building

Mailing Address: P.O. Box 249

Colts Neck, N.J., 07722

Order Drive, Colts Neck, New Jersey

Phone: (201) 462-5470

Fax: (201) 431-3173

APPLICATION FOR AN INDIVIDUAL SEWAGE DISPOSAL PERMIT

_____ original application
_____ to locate and construct
_____ to supplement
_____ revised application
✓ _____ to alter/repair

Location:

Address 69 Laurelwood Drive Block: 7.21 Lot: 21

Property Owner KENNEDY & RITSEMA Builder _____

Address: 69 Laurelwood Drive Phone 908-670-9522

Type of Building: Residential: ☒ Other: _____ Sq. Ft: _____

No. of Bedrooms: 4 Expansion Room/Den: Yes: _____ No: ☒
Garbage Grinder: Yes: _____ No: ☒ Volume of Sanitary Sewage (gal): 650

PreTreatment:

A) Septic Tank Material: CONCRETE Capacity (gals): 1000
B) Grease Trap Material: _____ Capacity: _____
C) Dosing Tank Material: _____ Capacity: _____

Disposal Bed	Trenches	Pits
Width/Length <u>24x44</u>	Width/Length _____	Number _____
Type/Ft. of pipe <u>PVC</u>	Dist. Between _____	Material _____
Dist. Between Pipe <u>3 ft</u>	Depth _____	Length/Width/Diameter _____
Req. Area <u>1047 sq</u>	Req. Area _____	Req. Area _____
Design Area <u>1056 sq</u>	Design Area _____	Design Area _____
INCLUDE CROSS SECTIONS		

Soil Characteristics:

Zone of Treatment: SELECT FILL Zone of Disposal: Sandy Clay Loam

Soil Investigator: BAYSHORE ENV. INC Phone: (732) 495-7681

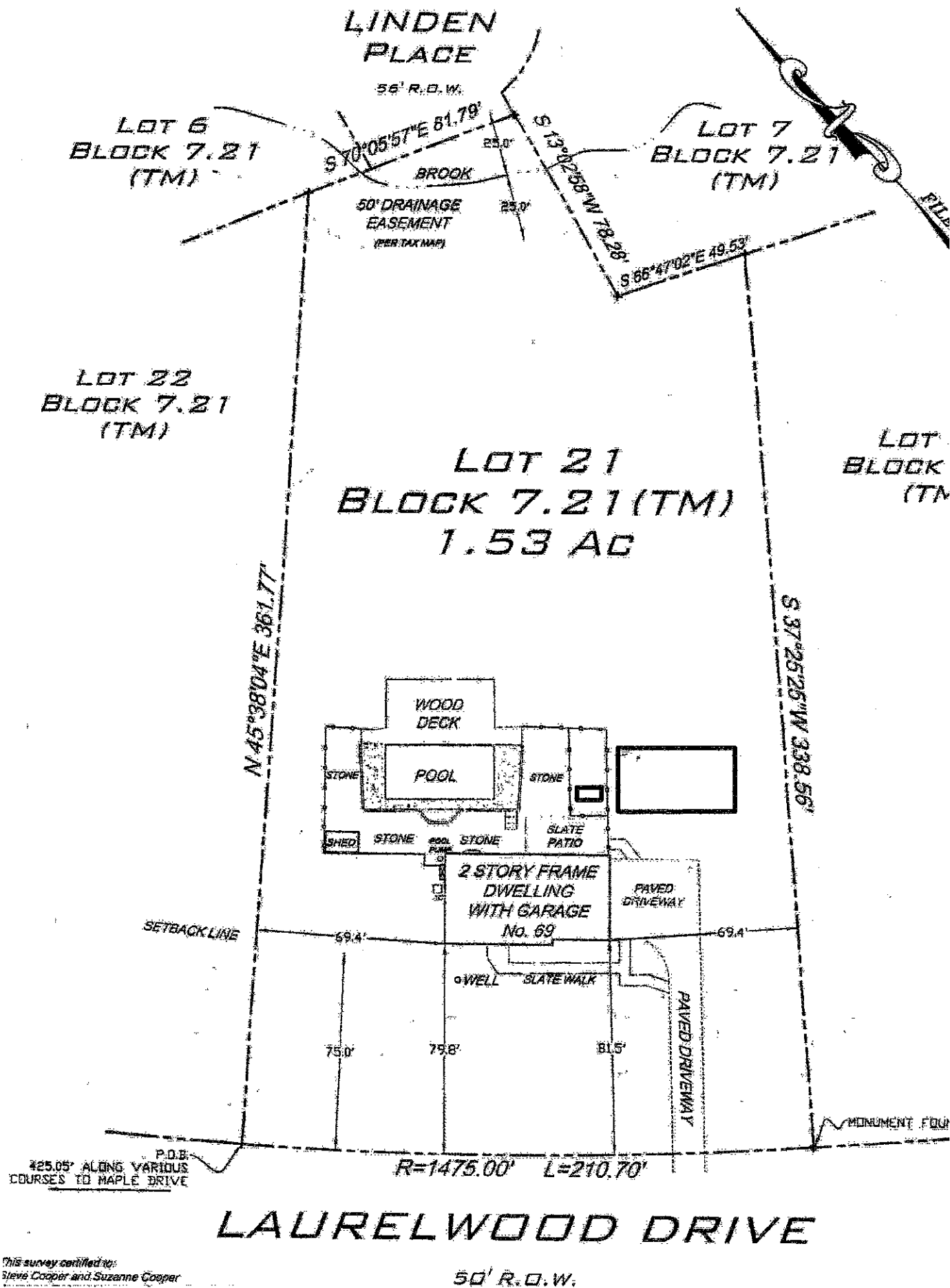
Certifying Eng: ALICE KUPPER Phone: (732) 291-8454

Engineer's Address: PO Box 365 ATL. HLDS NJ 07716

Date of Soil Tests: _____ Witness: WM M'BRIDE

PLEASE ATTACH THE FOLLOWING WITH APPLICATION:

- 1) _____ Detailed soil logs & location
- 2) _____ Ground Water Observation
- 3) _____ I.D. of limiting zones
- 4) _____ All permeability data (using applicable Chapt. 199 forms)
- 5) _____ Interceptor Drain Details
- 7) _____ Plot plan w/topography

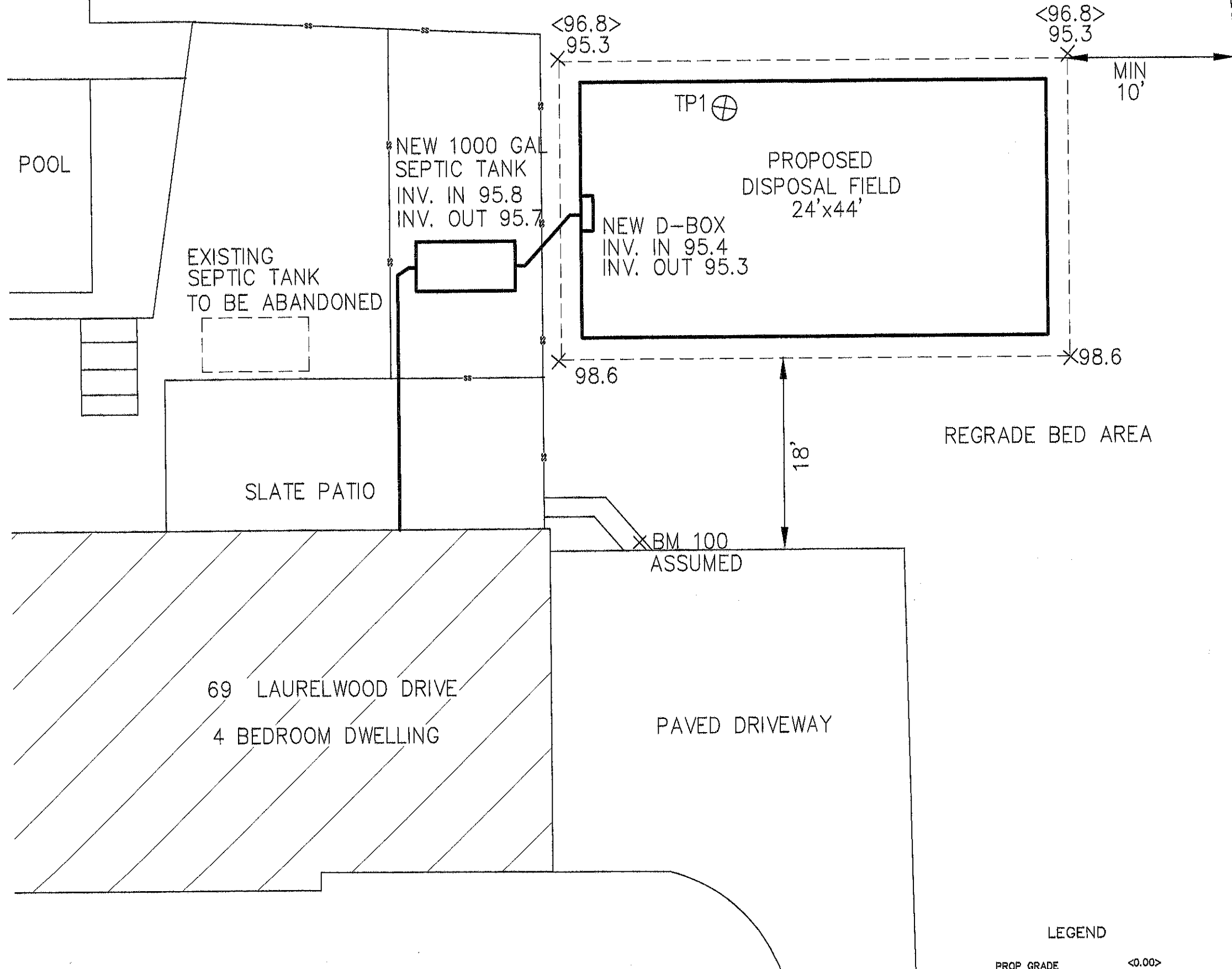


SITE PLAN
SCALE 1"=50'

NOTE:

PLUMBING TO BE RAISED IN BASEMENT TO MEET
ELEVATION OF PROPOSED SEPTIC TANK.

KCM



GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE STANDARDS FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS (NJAC 7:9A) LATEST REVISION AND LOCAL AND COUNTY HEALTH DEPARTMENT REGULATIONS.
2. NUMBER OF BEDROOMS = 4.
3. DISPOSAL BED AREA:
GPD = 200 GPD 1ST BEDROOM 150 GPD EA. ADD. = 200 + 3(150) = 650 GPD
REQUIRED AREA: 650 GPD X 1.61 (K-4) = 1047 SF
PROVIDED AREA: 24' X 44' = 1056 SF
4. LIQUID CAPACITY OF SEPTIC TANKS: REQ. 4 X 250 = 1000 REQUIRED.
PROVIDE 1000 GAL.
5. SOIL LOG INFORMATION IS ATTACHED TO THE APPLICATION. SOIL LOG INFORMATION IS BASED ON FIELD WORK PERFORMED BY R J KIRK

PLAN NOTES:

1. THERE ARE NO EXISTING DISPOSAL FIELDS WITHIN 50 FEET OF THE PROPOSED DISPOSAL FIELD WHICH WILL REMAIN.
2. THERE ARE NO WATERCOURSES WITHIN 50 FEET OF THE PROPOSED SYSTEM
3. THERE ARE NO WATER LINES ON SITE WITHIN 10 FEET OF THE PROPOSED SYSTEM.
4. THERE ARE NO WELLS WITHIN 100 FEET OF PROPOSED DISPOSAL SYSTEM.
5. THERE SHALL BE NO TREES WITHIN 10 FEET OF THE PROPOSED DISPOSAL FIELD.
6. PROPOSED SYSTEM AS PER NJAC 7:9A 10.3 (c) 2 WILL BE CLOSER TO CONFORMANCE TO CURRENT STATE LAW THAN EXISTING MALFUNCTIONING DISPOSAL SYSTEM.
- 6A. PUMP CLEAN AND FILL WITH SAND EXISTING SEPTIC TANK AS PER STATE, LOCAL, AND BOARD OF HEALTH REGULATIONS.
7. NO WATER SOFTENER DISCHARGE IS TO BE CONNECTED TO SANITARY WASTE LINES
8. SELECT FILL SHALL BE CERTIFIED BY A N. J. PROFESSIONAL ENGINEER AS TO COMPACTION AND PERMEABILITY AT THE TIME OF CONSTRUCTION. THIS FIRM SHALL REQUIRE 72 HOURS NOTICE PRIOR TO THE INSTALLATION OF THE SELECT FILL.
9. BOUNDARY INFORMATION IS BASED ON A SURVEY PROVIDED BY MARC J. CIFONE P.L.S. DATED 04/06/05.
10. THIS PLAN IS NOT A SURVEY OR PLOT PLAN. IT IS TO BE UTILIZED FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM ONLY. ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES ARE SCHEMATIC ONLY EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
11. CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE PRESENTED HEREON.

GENERAL CONSTRUCTION NOTES:

1. BOTTOM OF THE BED AND DISTRIBUTION LINES SHALL HAVE A RELATIVELY LEVEL GRADE. MAXIMUM SLOPE OF 2" IN 100 FEET.
2. STONE SHALL BE WASHED GRAVEL OR CRUSHED STONE, FREE OF FINES, 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
3. UNDER NO CONDITION SHALL MECHANICAL EQUIPMENT BE USED TO BACKFILL THE BED. BED SHOULD BE CONSTRUCTED AFTER ALL DANGER FROM MECHANICAL EQUIPMENT HAS PASSED.
4. CONSTRUCTION OF THE BED SHALL TAKE PLACE WHEN SOIL IS DRY.
5. ALL PIPE SLOPES TO BE 1/4" PER FT (2.08%) UNLESS OTHERWISE NOTED. DISPOSAL FIELD LATERALS TO BE SLOPED AT 2" PER 100 FEET MAXIMUM.
6. ALL PIPE TO BE PVC SEWER PIPE AND CONFORMING TO ASTM SPECIFICATION C-3034-81 (LATEST EDITION) AND MEET THE REQUIREMENTS FOR EXTRA STRENGTH MINIMUM OF SDR-35 CLASSIFICATION.
7. MINIMUM DIAMETER OF DISTRIBUTION LINES IS 4 INCHES.
8. SEPTIC TANK SHALL BE A MINIMUM OF 10 FEET FROM THE DWELLING. DISPOSAL FIELD SHALL BE A MINIMUM OF 25 FEET FROM THE DWELLING AND 10 FEET FROM PROPERTY LINES.
9. PERMANENT MARKERS SHALL BE PROVIDED OVER THE DISTRIBUTION BOX.
10. MARK FOUR CORNERS OF DISPOSAL FIELD TO PREVENT MACHINERY FROM RUNNING OVER INSTALLED AREAS.

DISPOSAL BED AND SOIL EXCAVATION NOTES:

1. EXCAVATE OUT SOIL TO ELEVATION 90.3 FEET AND REPLACE WITH K-4.
2. EXCAVATION SHALL BE CARRIED OUT IN A MANNER THAT WILL AVOID UNNECESSARY COMPACTION OF THE DISPOSAL FIELD BOTTOM AND SIDE WALLS. HEAVY EQUIPMENT SUCH AS BULLDOZERS OR FRONT END LOADERS SHALL NOT BE 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 BE THOROUGHLY ROUGHENED BY PLOWING, DISKING OR ANY EQUIVALENT METHOD WHICH SERVES TO ADEQUATELY PREPARE EXISTING SURFACES.
7. SUITABLE MATERIAL FOR BACKFILL SHALL HAVE A PERMEABILITY RATING 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 AND SOIL CLASS RATING ANALYSIS SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER TO INSURE THAT THE BACKFILL MATERIAL SHALL HAVE AN ACCEPTABLE PERMEABILITY RATING AND MEET THE MINIMUM STANDARDS FOR REPLACEMENT SOILS.

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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.
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 DIFFERENTIAL SETTLEMENT.
3. FILL MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS OF 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.
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.

TITLE:

SUBSURFACE DISPOSAL SYSTEM ALTERATION
69 LAURELWOOD DRIVE
BLOCK 7.21, LOT 21
TOWNSHIP OF COLTS NECK
COUNTY OF MONMOUTH
STATE OF NEW JERSEY

OWNER:

DAWN KENNEDY & MARC RITSEMA
69 LAURELWOOD DRIVE
COLTS NECK, NJ 07722

TEL: 908-670-9522

kupper & **C**ompany

DIVISION OF KUPPER & CO./ MOBILAB, INC.

LICENSED IN NEW YORK, NEW JERSEY

CERTIFICATE NO. 24GA28035400

ATLANTIC HIGHLANDS, N.J. 07716-0365

1-800-545-7645

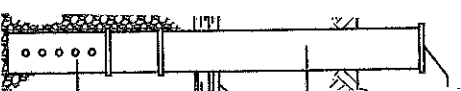
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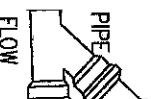
FILE:

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SCALE: DATE:
AS NOTED 07/05/06



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