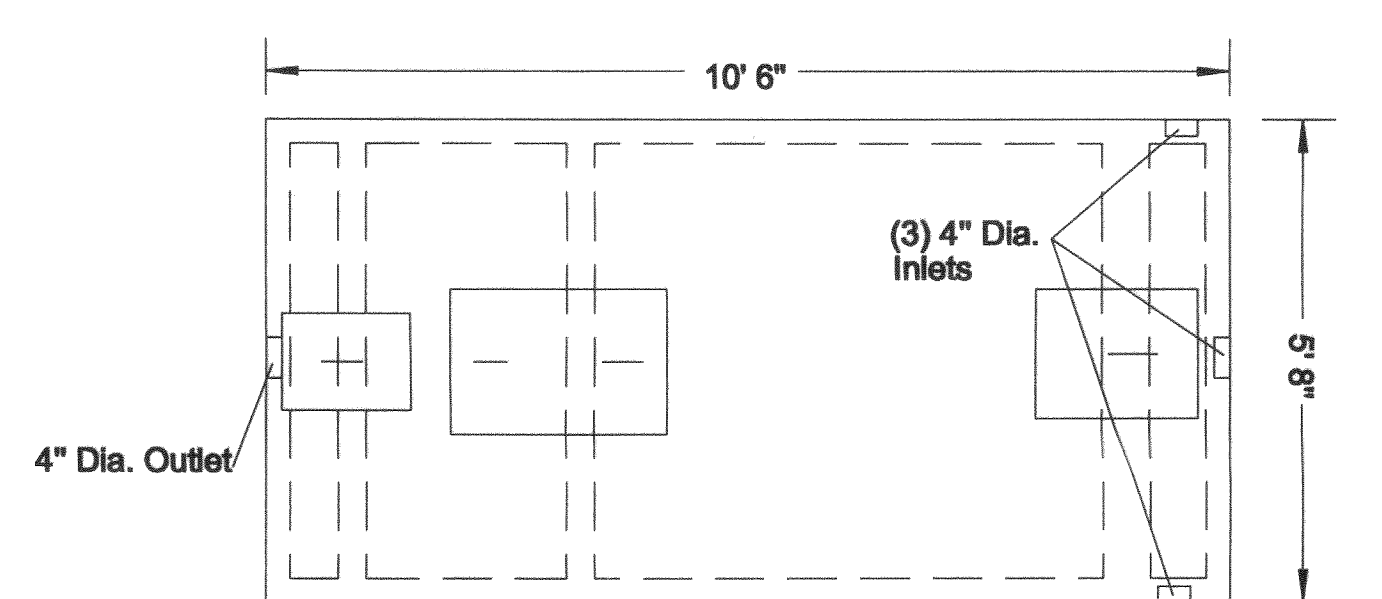


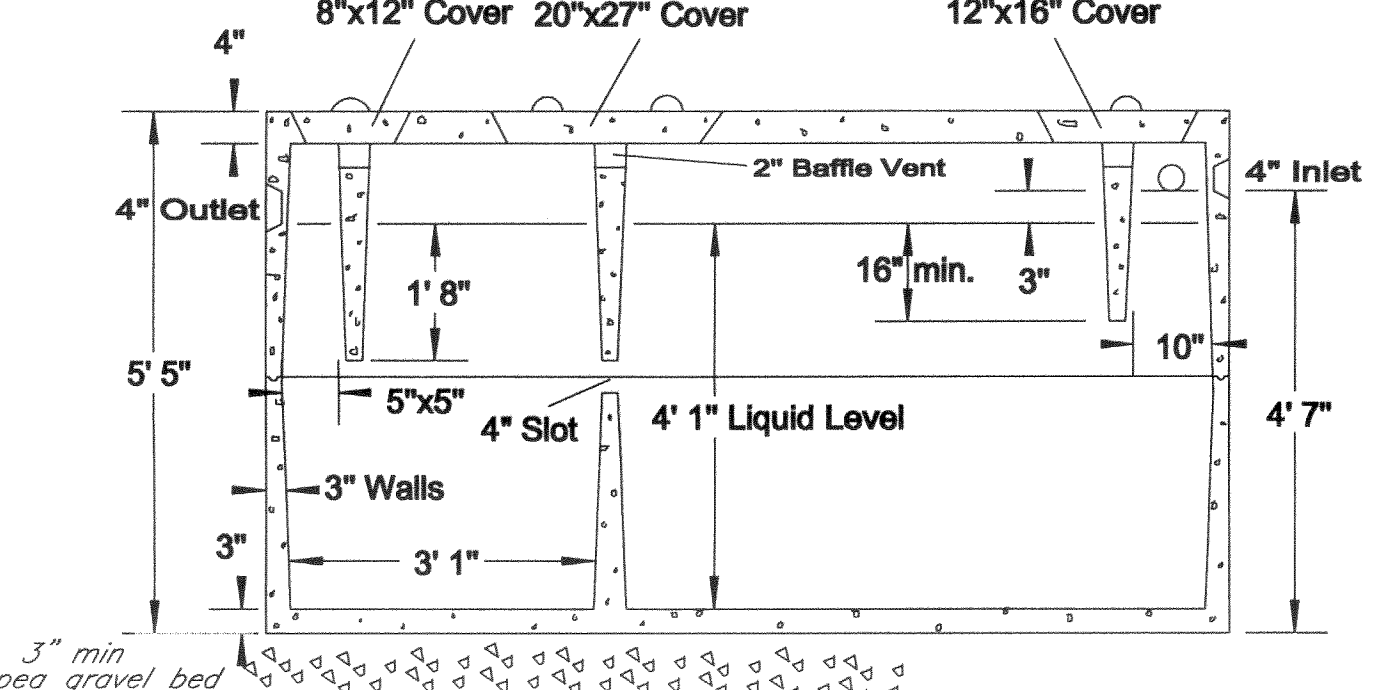
REFERENCE: LOT 4 OF GEIGER SUBDIVISION APPROVED MAY 28, 1987, FM. 7668 Boundary and Topographic survey information were taken from a subdivision plat map prepared by Robert Zimmerman, L.S., dated April, 1987 and last revised May 22, 1987

PARCEL TAX NO. 134889-6374-00-500183

SITE PLAN
SCALE: 1" = 40'



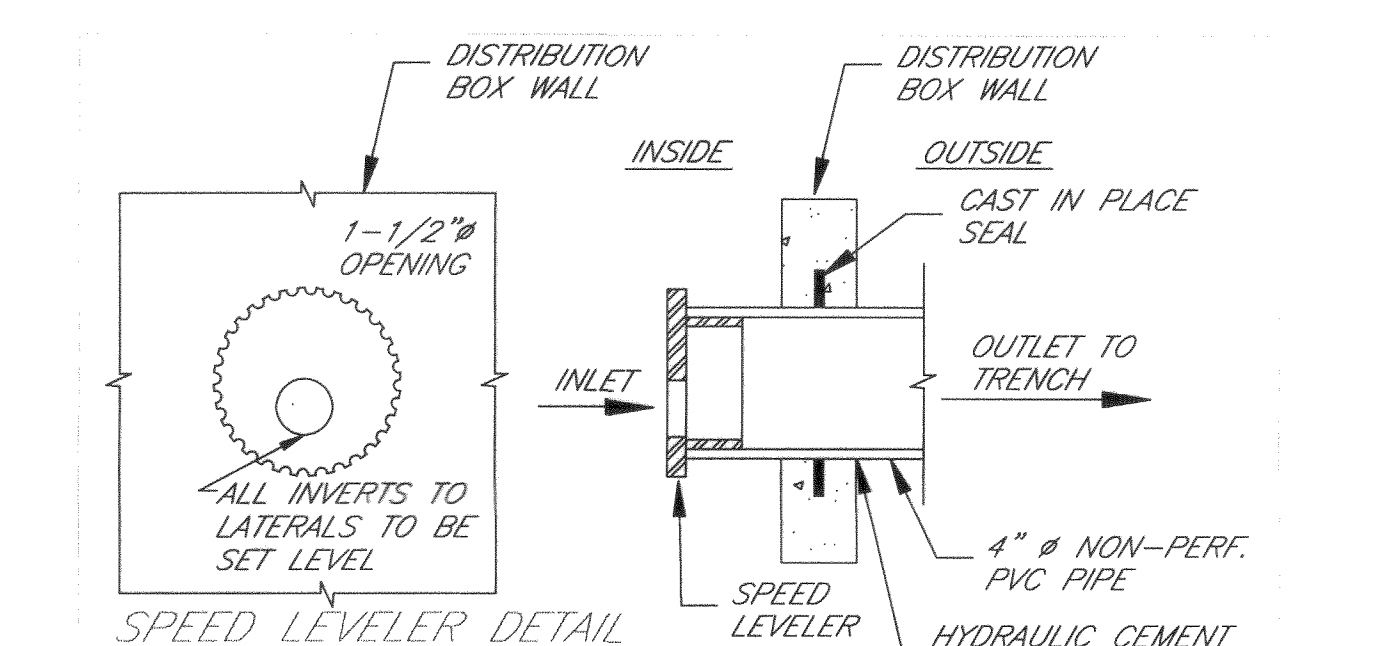
Inlet note: Use a sanitary tee with pipe extension to meet the NYSDOH requirement for baffle 16" below liquid level.



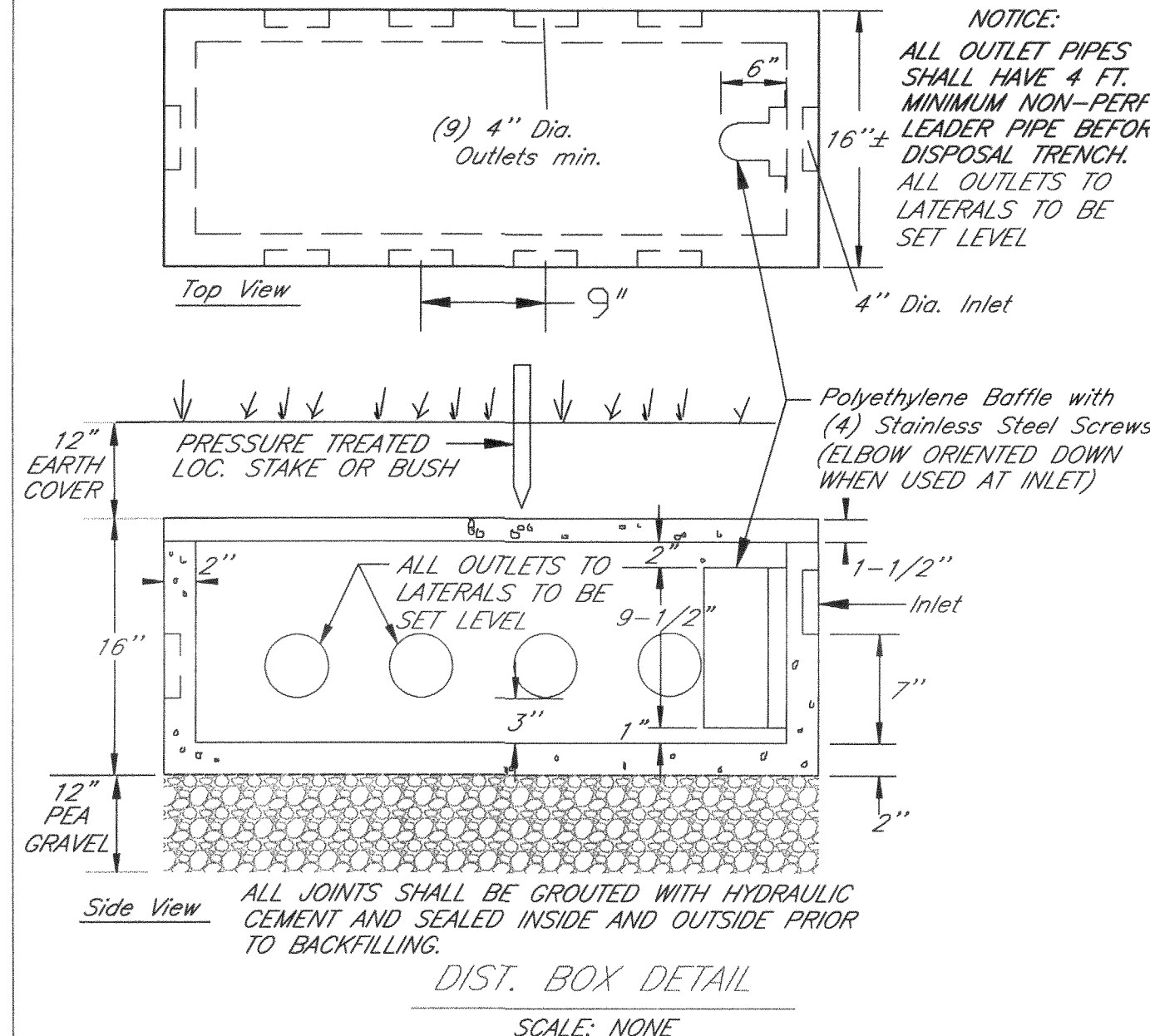
PRECAST CONC. SEPTIC TANK— ALL PIPE CONNECTIONS & TANK SECT. JOINTS SHALL BE GROUTED WITH HYDRAULIC CEMENT AND SEALED INSIDE AND OUTSIDE PRIOR TO BACKFILLING.

NOTE: SEPTIC TANK LEAKAGE TEST SHALL BE WITNESSED BY A LICENSED PROFESSIONAL ENGINEER AND CERTIFIED TO DCHD PRIOR TO BACKFILLING WHEN DELIVERED IN SECTIONS

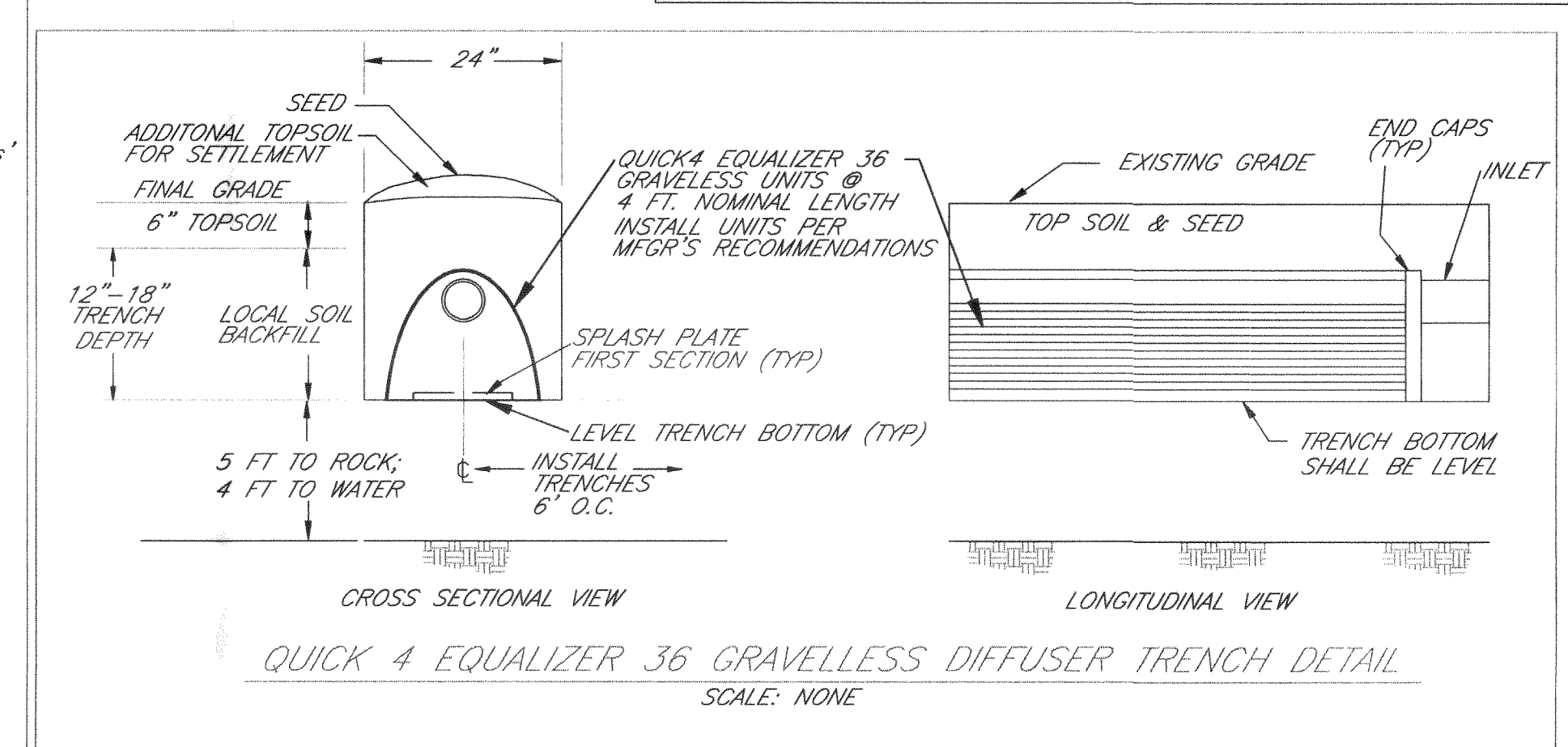
SEPTIC TANK DETAIL
SCALE: NONE



SPEED LEVELER DETAIL
SCALE: NONE



DIST. BOX DETAIL
SCALE: NONE



QUICK 4 EQUALIZER 36 GRAVELLESS DIFFUSER TRENCH DETAIL
SCALE: NONE

RECOMMENDED FOR APPROVAL
Jam. Napolitano

DUTCHESS COUNTY DEPARTMENT OF HEALTH
APPROVED

DATE: MARCH 13, 2015

PROJECT: WELL AND SEWAGE DISPOSAL SYSTEM FOR KORTBUS PROPERTY T. RED HOOK

Robert Zimmerman
SUPERVISING PUBLIC HEALTH ENGINEER

DEEP SOIL TEST PIT DATA
DATA TAKEN FROM PREVIOUS APPROVAL FM 7668 LOT#4

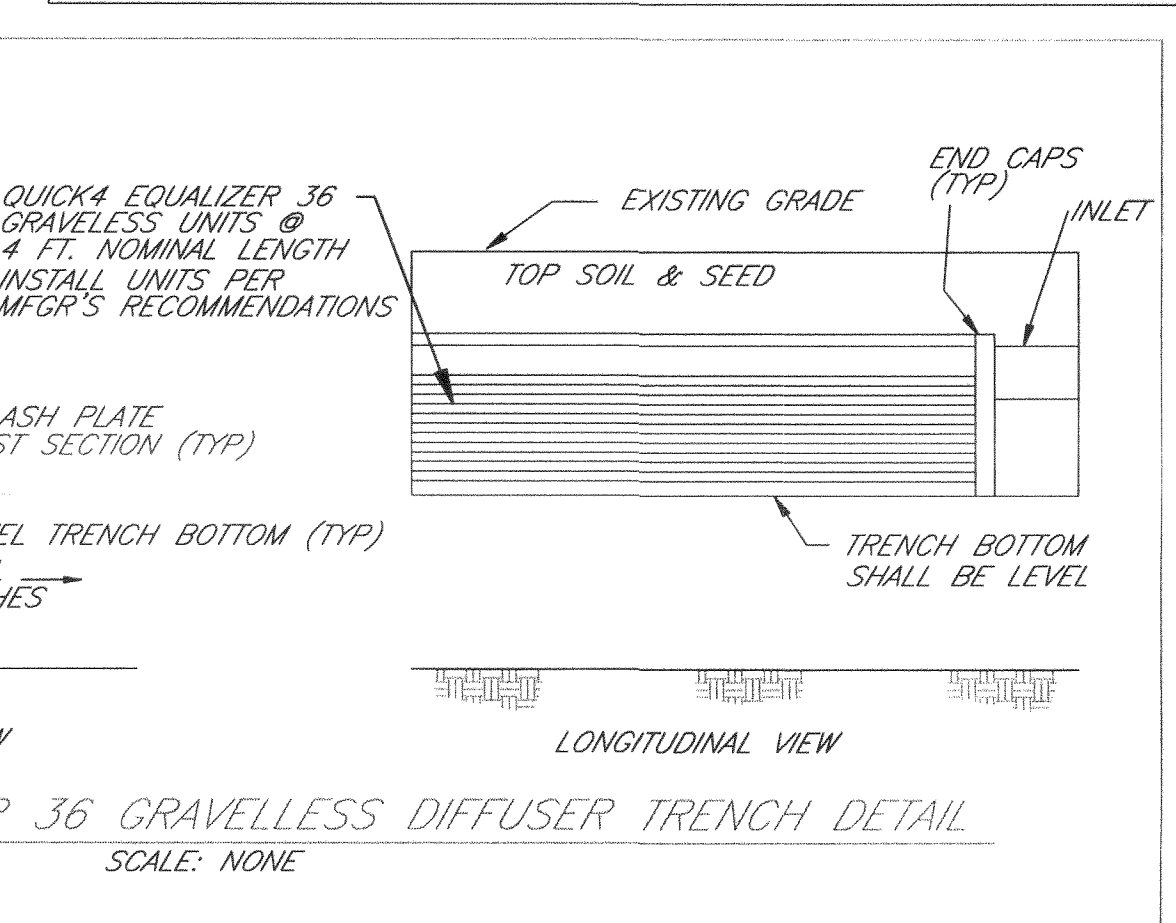
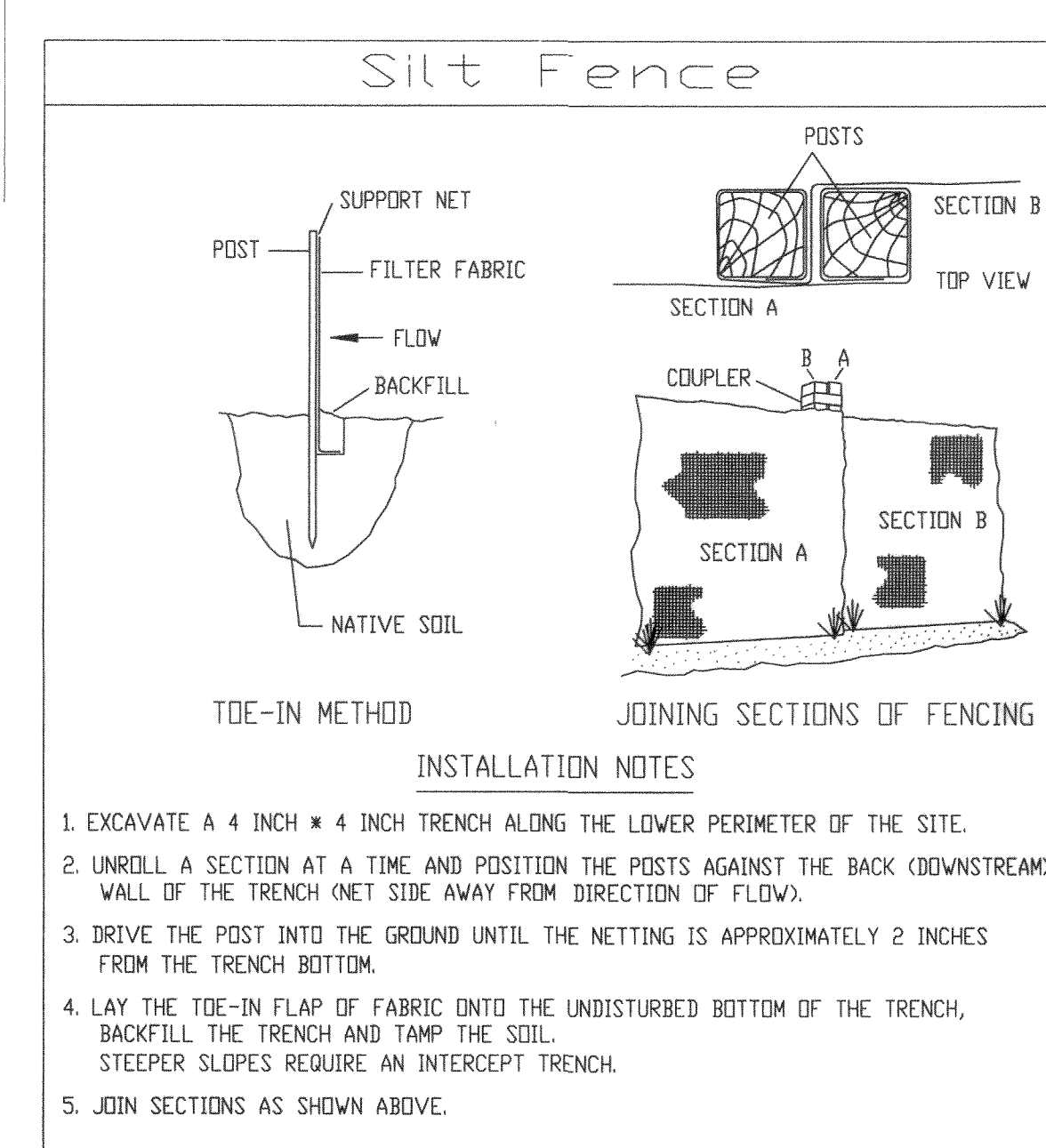
LOT NUMBER	HOLE NUMBER	TOTAL DEPTH	ROCK DEPTH	WATER DEPTH	SOIL DESCRIPTION
12	DT1	7'-0"	NONE	6'-6"	0'-6" TOPSOIL, 6"-36" CLAY-LOAM, 36"-80" SAND, 80"-84" CLAY-LOAM
12	DT2	7'-0"	NONE	6'-0"	0'-6" TOPSOIL, 6"-30" CLAY-LOAM, 30"-84" SANDY CLAY-LOAM

PERC TEST DATA
DATA TAKEN FROM PREVIOUS APPROVAL FM 7668 LOT#4

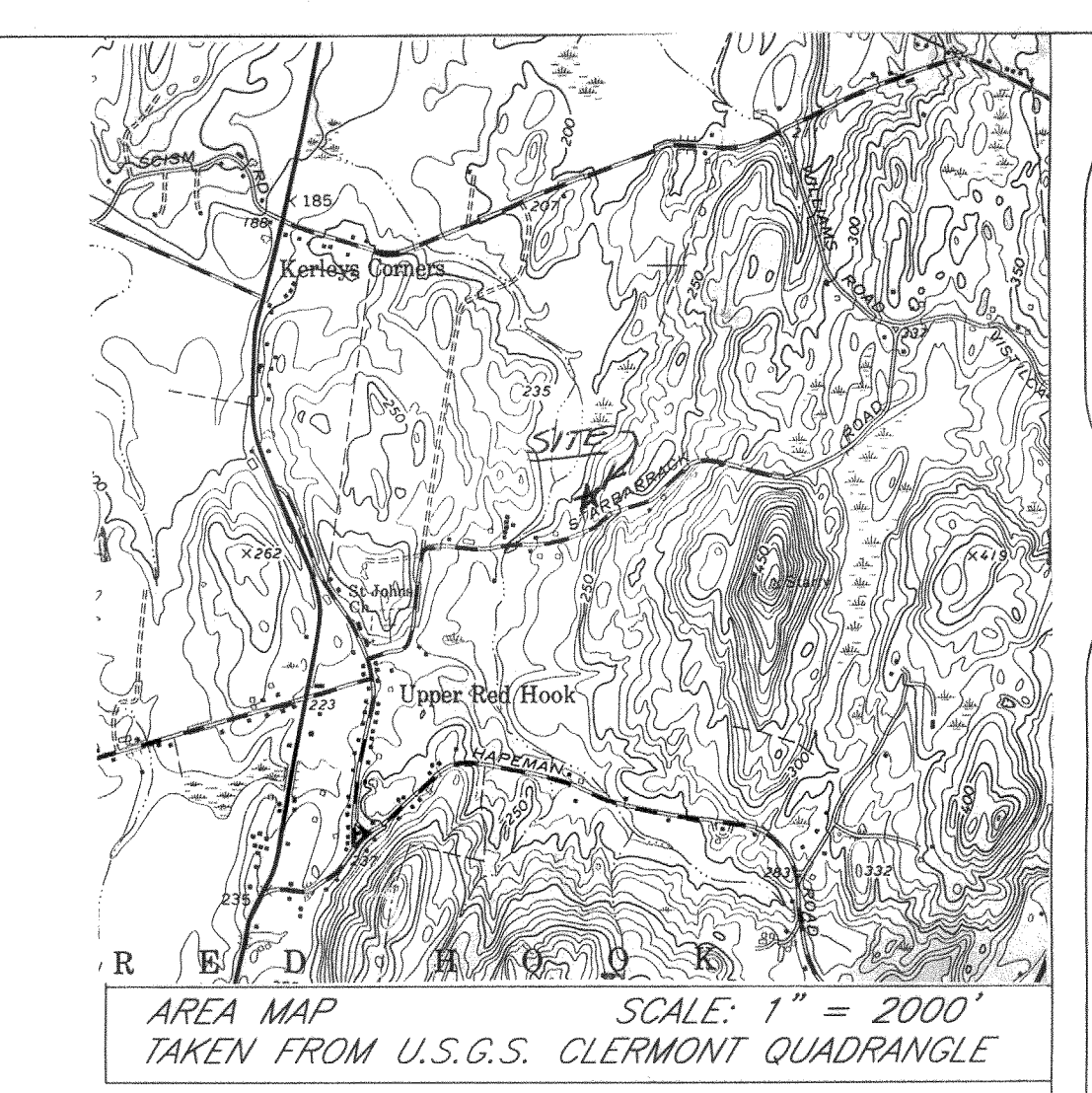
HOLE NUMBER	DEPTH	SOAKED	PERC RATE RUNS
PTS	30"	2X	39, 38, (38)
PTN	18"	2X	18, 17, 20, 24, 27, 34, 34
PTS	18"	2X	15, 14, 15, 15

SEPTIC SYSTEM DESIGN SCHEDULE:

NUMBER BEDROOMS	PRIMARY & 100% EXPANSION DISPOSAL FIELD REQUIREMENTS:
5	(9) QUICK 4 EQUALIZER 36 GRAVELLESS TRENCHES @ 56' (14 UNITS EA) 504 LF. TOTAL



QUICK 4 EQUALIZER 36 GRAVELLESS DIFFUSER TRENCH DETAIL
SCALE: NONE



- DUTCHESS COUNTY HEALTH DEPARTMENT STANDARD NOTES
- DESIGN, CONSTRUCTION, AND INSTALLATION OF THE SDS AND WELL SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION, WHICH SHALL INCLUDE:
 - APPENDIX 75-A, "WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE."
 - "WASTE TREATMENT HANDBOOK, INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE DEPARTMENT OF HEALTH."
 - "RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH."
 - "PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT, NEW YORK DEPARTMENT OF HEALTH."
 - "NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY DEPARTMENT OF HEALTH POLICIES, PROCEDURES AND STANDARDS."
 - "DUTCHESS COUNTY DEPARTMENT OF HEALTH SANITARY CODE, ARTICLE XI AND ARTICLE XIX."
 - "DUTCHESS COUNTY DEPARTMENT OF HEALTH CERTIFICATE OF APPROVAL LETTER."
 - THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES, AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES; AND, AS A CONDITION OF THIS APPROVAL, A CONSTRUCTION INSPECTION BY A REPRESENTATIVE OF THE DCHD SHALL BE DONE TO DETERMINE THAT CONSTRUCTION AT THE TIME OF THE INSPECTION WAS COMPLETED IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND ANY AMENDMENT THEREOF.
 - APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERATION FOR RE-APPROVAL. RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME OF THE RE-SUBMISSION.
 - ALL WELLS AND SDS EXISTING OR APPROVED WITHIN 200' OF THE PROPOSED WELLS AND SDS ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE SDS AND THE WELL.
 - THE PROPOSED WATER SERVICE LINE FROM THE WELL TO THE HOUSE IS ACCESSIBLE FOR INSTALLATION AND PLACEMENT.
 - GUTTERS OR WATER TREATMENT EQUIPMENT CANNOT BE DISCHARGED INTO THE SEWAGE TREATMENT SYSTEM.
 - ANY MODIFICATIONS OR DEVIATIONS FROM THESE PLANS MUST RECEIVE PRIOR WRITTEN HEALTH DEPARTMENT APPROVAL.
 - ALL PROPOSED WATER SERVICE AND SEPTIC SYSTEM COMPONENTS SHALL BE STAKED OUT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR PRIOR TO CONSTRUCTION.
 - A GARBAGE GRINDER UNIT IS NOT PERMITTED ON THE SANITARY DISPOSAL SYSTEM NOW OR IN THE FUTURE.
 - THE DUTCHESS COUNTY DEPARTMENT OF HEALTH SHALL BE CONTACTED PRIOR TO COMMENCEMENT OF THE HOME CONSTRUCTION AND/OR ISSUANCE OF A BUILDING PERMIT FOR A PRE-CONSTRUCTION INSPECTION TO ENSURE THAT THE ARRANGEMENTS FOR WATER SUPPLY AND SEWAGE DISPOSAL ARE COMMENCED IN ACCORDANCE WITH THE APPROVED PLANS AND AMENDMENTS THERETO AND GENERALLY ACCEPTED STANDARDS.
 - ALL REQUIRED EROSION AND SEDIMENT CONTROL AND STORM WATER POLLUTION PREVENTION WATER QUALITY AND QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN ON THE PLANS.
 - SEWAGE DISPOSAL SYSTEMS SHALL NOT BE INSTALLED IN WET OR FROZEN SOILS.
 - ALL HOUSEHOLD PLUMBING FIXTURES SHALL BE NEW, WATER-CONSERVING FIXTURES, INCLUDING 1.6 GALLONS PER FLUSH MAX. WATER CLOSETS.
 - THERE SHALL BE NO VEHICULAR TRAFFIC OVER THE SEWAGE DISPOSAL SYSTEM. PRIOR TO CONSTRUCTION, THE AREA OF THE SYSTEM SHALL BE STAKED OUT AND FENCED OFF.

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS OR SPECIFICATIONS IN ANY WAY, UNLESS THAT PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

OWNER'S NOTE AND AGREEMENT

THE UNDERSIGNED OWNER OF THE PROPERTY HEREOF STATES THAT HE/SHE IS FAMILIAR WITH THIS MAP, ITS CONTENTS, AND ITS LEGENDS, AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREOF.

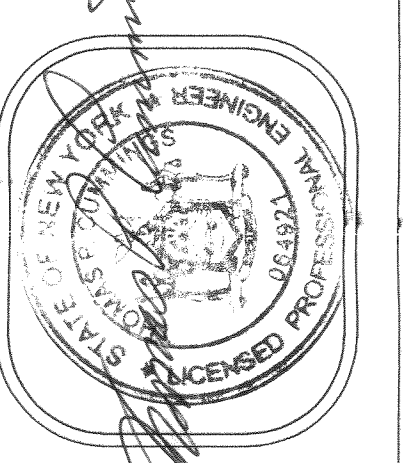
SIGNED: *[Signature]* DATED: 3.6.15

REVISIONS
NOVEMBER 20, 2014
DECEMBER 17, 2014

RECEIVED
MAR 11 2015
ENVIRONMENTAL HEALTH

CUMMINGS ENGINEERING, P.C.
148 HOLLOW ROAD, STAATSBURG, NY 12580
PHONE/FAX : (845) 889-8199

SCALE: AS NOTED
DRAWN BY: TFC
DATE ISSUED: SEPT. 17, 2014
JOB #: 14037



INDIVIDUAL LOT SEPTIC SYSTEM REDESIGNED PLAN
FOR MICHAEL & KATE KORTBUS
STARBARRACK ROAD
TOWN OF RED HOOK, DUTCHESS COUNTY, NY

SDS-1
SH. 1 OF 1