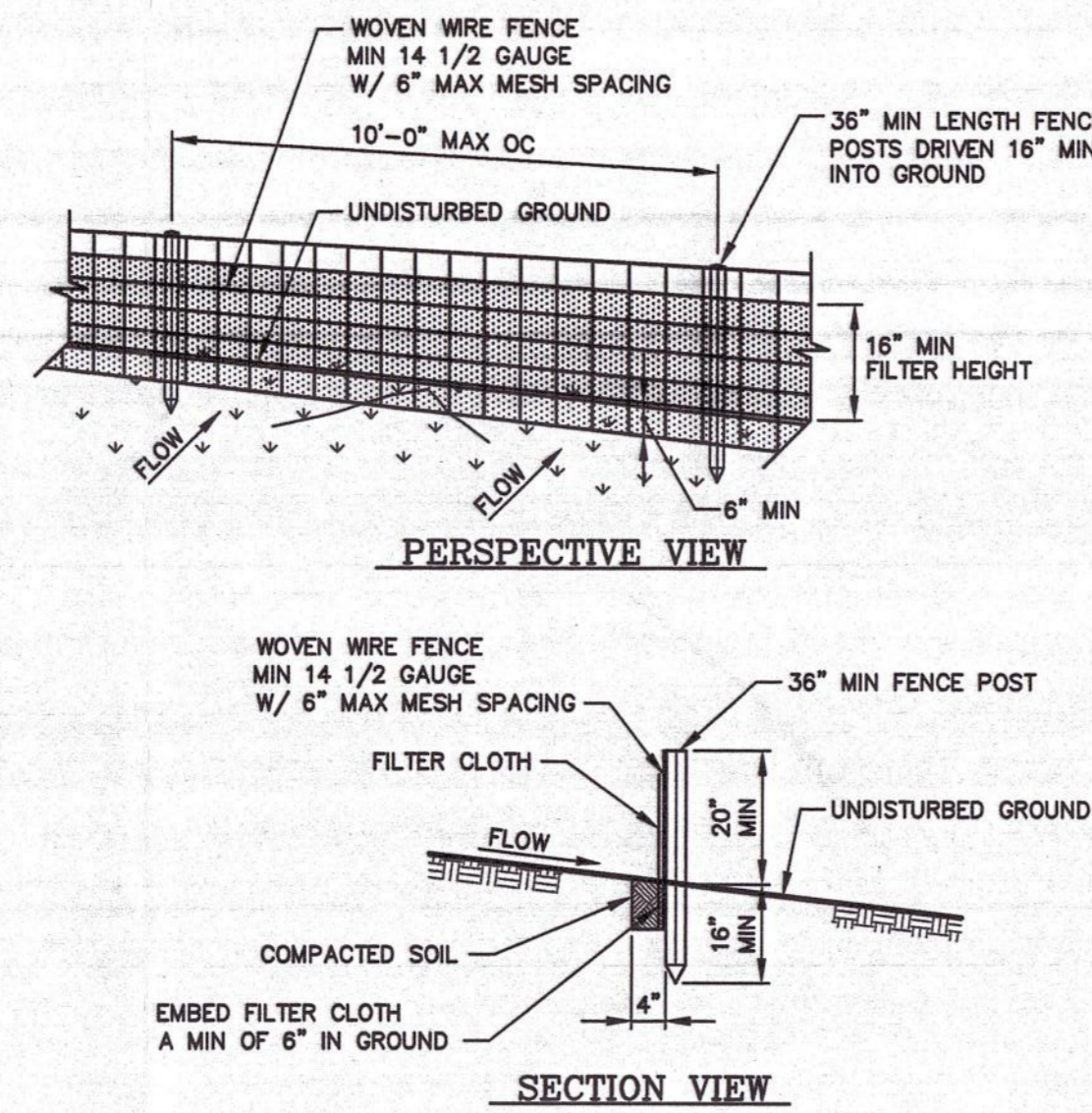


GENERAL NOTES:

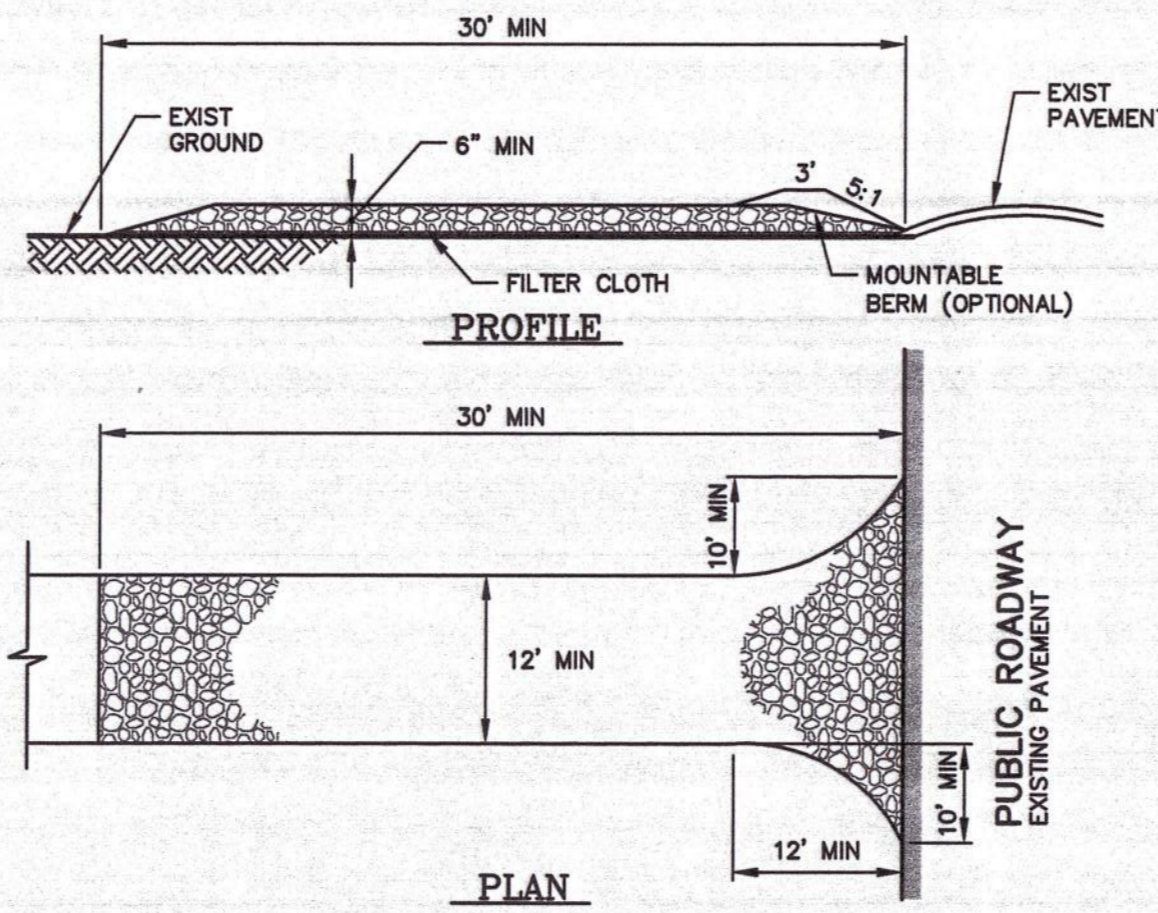
- 1. TOTAL NUMBER OF LOTS: 2
2. TOTAL AREA OF SUBJECT PARCEL: 15.734 ACRES
3. SUBJECT TO THE FINDINGS OF AN UP-TO-DATE ABSTRACT OF TITLE.
4. SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENCES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS.
5. OFFSETS OR DIMENSIONS FROM THE PROPERTY LINES TO STRUCTURES OR IMPROVEMENTS ARE SHOWN FOR THE PURPOSES OF INTERPRETATION OF COMPLIANCE WITH ZONING AND ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE LOCATION OF FENCES OR ANY OTHER IMPROVEMENTS TO THE LAND.
6. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7200 (2) OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID AND TRUE COPY.
7. CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF, TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
8. ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERRING THIS SURVEY WITHOUT THE BENEFIT OF AN UPDATE OF THIS SURVEY BY THE ROGER J. FERRIS ENGINEERING AND LAND SURVEYING, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREON.
9. THE ALTERATION OF A SURVEY MAP BY ANYONE OTHER THAN THE ORIGINAL LAND SURVEYOR IS MISLEADING, CONFUSING AND NOT IN THE GENERAL WELFARE AND BENEFIT OF THE PUBLIC.
10. UNAUTHORIZED COPIES MAY CONTAIN FRAUDULENT, INCORRECT, ERRONEOUS, OR MISLEADING INFORMATION OR OMIT IMPORTANT AND RELEVANT INFORMATION. DO NOT RELY ON UNAUTHORIZED COPIES. THE SEAL, SIGNATURE AND CERTIFICATION ARE NOT VALID UNLESS THEY BEAR AN ORIGINAL IMPRESSION OF THE SEAL AND AN ORIGINAL INK SIGNATURE ON ALL UNAUTHORIZED COPIES. ALL ORIGINAL DOCUMENTS BEAR AN ORIGINAL IMPRESSION OF THE SEAL AND AN ORIGINAL INK SIGNATURE.
11. ANY UNDERGROUND UTILITIES AND/OR IMPROVEMENTS NOT VISIBLE AT TIME OF SURVEY HAVE NOT BEEN LOCATED IN THE FIELD AND ARE NOT SHOWN HEREON.
12. THIS SHEET NOT VALID OR COMPLETE WITHOUT THE ENGINEER'S/LAND SURVEYOR'S ORIGINAL SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 2 OF 2.
13. PROJECT SITE IS LOCATED WITHIN THE MINSINK VALLEY SCHOOL DISTRICT.
14. PROJECT SITE IS LOCATED WITHIN THE SLATE HILL FIRE DISTRICT.



CONSTRUCTION SPECIFICATIONS:

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1 1/2" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRA1100, STABILINK 1140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAF, ENVIROFENCE, OR APPROVED EQUIVALENT. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGE" DEVELOPS IN THE SILT FENCE.

SILT FENCE DETAIL (NOT TO SCALE)



CONSTRUCTION SPECIFICATION NOTES:

- 1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 30 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INCREASE OR DECREASE OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH (MIRA11 F7000) - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BEAM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL (NOT TO SCALE)

REFERENCES:

- 1. TAX MAP DATA: SECTION - 4, BLOCK - 48, LOT - 48.11
2. DEED LIBER 2203, PAGE 612
3. MAP REFERENCE: A MAP ENTITLED, "MINOR SUBDIVISION OF LANDS OF FEDERAL BANK OF SPRINGFIELD" DATED NOVEMBER 6, 1980 AND FILED IN THE OFFICE OF THE ORANGE COUNTY CLERK ON MAY 27, 1981 AS MAP NO. 5603.

RECORD OWNER & SUBDIVIDER:

KEVIN TINTLE
330 KIRBYTOWN ROAD
MIDDLETOWN, NEW YORK
10940

AR-DISTRICT

TABLE OF ZONING REQUIREMENTS table with columns: MINIMUM REQUIREMENTS, LOT AREA, LOT WIDTH, LOT DEPTH, FRONT YARD, ONE SIDE YARD, BOTH SIDE YARDS, REAR YARD, BUILDING HEIGHT.

LOTS AND BUILDINGS AS SHOWN

Table with columns: LOT NO. (AS SHOWN), LOT AREA, LOT WIDTH, LOT DEPTH, FRONT YARD, ONE SIDE YARD, BOTH SIDE YARDS, REAR YARD, BUILDING HEIGHT.

LEGEND:

- PROPERTY LINE
ADJOINING PROPERTY LINE
PAYMENT
OVERHEAD UTILITY WIRES
EDGE OF WATER/STREAM
STONEWALL
SPILT RAIL FENCE
UTILITY POLE
WELL
IRON ROD TO BE SET
BUILDING SETBACK LINE
2' CONTOUR LINE
10' CONTOUR LINE
PROPOSED 2' CONTOUR LINE
PROPOSED 10' CONTOUR LINE
PERCOLATION TEST
LIMITS OF DISTURBANCE
PROPOSED SILT FENCE
PROPOSED SEWER CLEANOUT
CAPPED MONUMENT TO BE SET



SLOPE STABILIZATION, SEEDING METHOD & MULCHING NOTES:

GREATER THAN 3:1 SLOPES

SLOPES SHALL BE HYDROSEEDING WITH MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED BIOD-WEAVING NETTING AS MANUFACTURED BY ROLAKMA INTERNATIONAL OR APPROVED EQUIVALENT. NETTING TO BE INSTALLED BY MANUFACTURER'S SPECIFICATIONS.

GENTLE SLOPES AND FLAT AREAS

AREAS SHALL BE SEEDING BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING SCHEDULE. HYDROSEEDED AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 2000 LBS/ACRE. BROADCAST AREAS SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE. AREAS SEEDING BY BROADCASTING SHALL BE LIGHTLY RAKED AND PACKED PRIOR TO PLACING MULCH.

TEMPORARY SEEDING SPECIFICATIONS & MIXTURES:

- 1. SCARIFY SOILS IF COMPACTED.
2. LIME AREAS TO pH OF 6.0 IF NECESSARY.
3. FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZER IF NECESSARY.
4. SEED WITH SPECIES AND RATE AS SHOWN BELOW.
5. MULCH WITH HAY OR STRAW AT A RATE OF 2000 LBS/ACRE. ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

PERMANENT SEEDING MIXTURES:

MODERATE TO STEEP SLOPES & LOW MAINTENANCE AREAS
SPECIES: APPLICATION RATE:
EMPIRE BROADFOOT TREFOIL 8 LBS/ACRE
TALL FESCUE 20 LBS/ACRE
RYEGRASS 5 LBS/ACRE

GENERAL RECREATION AREAS & LAWNS

SUNNY SITES - (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS)
SPECIES: APPLICATION RATE:
65% KENTUCKY BLUEGRASS BLEND 85-114 LBS/ACRE
20% PERENNIAL RYEGRASS 26-35 LBS/ACRE
15% FINE FESCUE 19-28 LBS/ACRE

SHADY DRY SITES - (SOMEWHAT POOR TO POORLY DRAINED SOILS)

SUNNY DROUGHTY SITES - (SOMEWHAT EXCESSIVELY TO EXCESSIVELY DRAINED SOILS)
SPECIES: APPLICATION RATE:
65% FINE FESCUE 114-143 LBS/ACRE
15% PERENNIAL RYEGRASS 26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND 35-44 LBS/ACRE

SHADY WET SITES - (SOMEWHAT POOR TO POORLY DRAINED SOILS)

SUNNY DROUGHTY SITES - (SOMEWHAT EXCESSIVELY TO EXCESSIVELY DRAINED SOILS)
SPECIES: APPLICATION RATE:
65% FINE FESCUE 114-143 LBS/ACRE
15% PERENNIAL RYEGRASS 26-33 LBS/ACRE
20% KENTUCKY BLUEGRASS BLEND 35-44 LBS/ACRE

RECREATIONAL FEES:

EACH RESIDENTIAL, INDUSTRIAL AND COMMERCIAL SUBDIVISIONS OF THIS PLAN SHALL CONTRIBUTE RECREATIONAL FEES CALCULATED ON THE BASIS OF GROSS FLOOR AREA OF NEW CONSTRUCTION RESULTING FROM NEW SUBDIVISIONS AND SITE PLANS.

FINAL PLAN SUBDIVISION OF PROPERTY FOR TINTLE

TOWN OF WAWAYANDA ORANGE COUNTY, NEW YORK

SCALE: 1" = 50' JANUARY 20, 2009

REVISED: OCTOBER 28, 2009
REVISED: NOVEMBER 24, 2009
REVISED: DECEMBER 8, 2009

AGRICULTURAL MAP NOTES:

IT IS THE POLICY OF THE STATE OF NEW YORK AND THE TOWN OF WAWAYANDA TO CONSERVE, PROTECT AND ENHANCE THE PRODUCTION OF FOOD AND OTHER PRODUCTS FROM ITS NATURAL AND ECOLOGICAL VALUE. THIS NOTICE IS TO INFORM PROSPECTIVE BUYERS THAT THE PROPERTY IS BEING OFFERED TO ACQUIRE PARTIALLY OR WHOLLY WITHIN AN AGRICULTURAL DISTRICT AND THAT FARMING ACTIVITIES ARE ENCOURAGED WITHIN THE DISTRICT. SUCH FARMING ACTIVITIES MAY INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ACTIVITIES AND SHOULD NOTE:

- 1. THAT FARMING DOES NOT ONLY OCCUR BETWEEN 6:00 A.M. AND 5:00 P.M. AND IS DEPENDENT ON WEATHER. RESIDENTS SHOULD BE AWARE OF NOISE FROM AGRICULTURAL MACHINERY BEING OPERATED IN NEARBY FIELDS IN BOTH EARLY MORNING AND EVENING HOURS AND NOISE FROM DRYING FANS WHICH ARE RUN 24 HOURS A DAY DURING THE HARVESTING SEASON.
2. THAT THE ROADS LEADING TO AND FROM THE SUBDIVISION ARE FREQUENTLY TRAVELED BY FARMERS AND THEIR SLOW MOVING FARM VEHICLES AND EQUIPMENT.
3. THAT FARM NEIGHBORS VERY OFTEN SPRAY THEIR CROPS WITH PESTICIDES IN ACCORDANCE WITH ACCEPTED PRACTICES REGULATED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
4. THAT EXISTING AGRICULTURAL OPERATIONS MAY CREATE BOTH UNAVOIDABLE ODDORS AND UNDESIRABLE COMMONLY ASSOCIATED WITH FARMING OPERATIONS IN THIS AREA.
5. THAT THERE ARE DANGERS OF LETTING CHILDREN AND PETS ROAM INTO ANY ADJACENT FIELDS WHICH IS PRIVATE PROPERTY.
6. THAT RESIDENCES FOR SEASONAL FARM LABORERS ARE AN ACCESSORY USE TO FARMING ACTIVITIES IN THE AGRICULTURAL ZONES.
7. BE ADVISED OF THE POSSIBLE NUISANCE OF BLOWING DUST AND BLACK DIRT CAUSED BY WINDSTORMS IN THIS AREA.

RIDGE DEVELOPMENT MAP NOTES:

IN ACCORDANCE WITH SECTION 195-20 OF THE TOWN CODE IT IS THE POLICY OF THE TOWN OF WAWAYANDA TO CONSERVE AND PROTECT PROMINENT RIDGE LINES LOCATED IN THE TOWN IN THEIR NATURAL STATE, WHICH RIDGE LINES ARE ONE OF THE DEFINING CHARACTERISTICS OF THE TOWN OF WAWAYANDA AND ARE IMPORTANT BOTH ENVIRONMENTALLY AND AESTHETICALLY. THE LOTS DEPICTED ON THIS SUBDIVISION MAP HAVE NATURAL RIDGE LINES AT LEAST 800 FEET ABOVE MEAN SEA LEVEL (MSL) AND ARE DESIGNATED AS A CRITICAL ENVIRONMENTAL AREA (CEA) IN ACCORDANCE WITH NY DEC 874 (6). ACCORDINGLY, ALL NEW CONSTRUCTION ON LOTS SHOWN ON THIS SUBDIVISION PLAN MUST CONFORM TO THE FOLLOWING CONDITIONS AND NO BUILDING PERMIT WILL BE ISSUED FOR SUCH NEW CONSTRUCTION UNLESS THE APPLICANT FOR THE SAME PRESENTS PLANS IN CONFORMITY WITH THESE CONDITIONS. CONSTRUCTION SHALL CONFORM TO THE FOLLOWING RESTRICTIONS AND CRITERIA:

- 1. CLEARING OF LOTS SHALL BE LIMITED TO THE AREA DESIGNATED WITHIN THE CLEARING LIMITS SHOWN ON THE PLANS.
2. EXISTING VEGETATION AND TOPOGRAPHY SHOULD BE RETAINED TO THE GREATEST EXTENT PRACTICAL AND ADDITIONAL LANDSCAPING MAY BE REQUIRED BY THE PLANNING BOARD OR BUILDING INSPECTOR TO LESSEN THE VISUAL IMPACT OF ALL CONSTRUCTION. TREES TO BE RETAINED MUST BE PROTECTED FROM DAMAGE BY THE PLACEMENT OF BARRIERS AROUND THE TREE'S DRIP LINE.
3. ANY BUILDING CONSTRUCTED SHALL MINIMIZE THE STRUCTURE'S INTRUSIVENESS BY UTILIZATION OF THE NATURAL COLORED MATERIALS WHICH ARE LOW IN CONTRAST TO THE SURROUNDING VEGETATION.
4. STRUCTURES SHOULD BE SITED AT THE EDGES OF FIELDS, IF FIELDS EXIST ON SITE, AS OPPOSED TO THE MIDDLE OF FIELDS WHICH MAY LEAD TO VISUAL PROMINENCE OF STRUCTURES.
5. IN THE EVENT THAT ANY STRUCTURE IS PROPOSED AT A SITE OTHER THAN APPROVED ON THIS FILED MAP, THEN THE SAME MAY BE CONSTRUCTED ONLY UPON FURTHER REVIEW AND APPROVAL BY THE PLANNING BOARD OF THE TOWN OF WAWAYANDA.
6. THE PRESERVATION OF MATURE SHADE TREES, RIDGELINES, VEGETATION AND UNDER SITE SPECIFIC STONESTACKS, SHALL BE REQUIRED TO THE MAXIMUM PRACTICAL EXTENT.

INDIANA BAT NOTES:

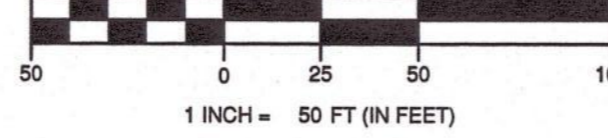
THE INDIANA BAT OCCURS THROUGHOUT EASTERN AND NORTHWESTERN NEW YORK STATE. IT IS DEPENDENT UPON CAVES AND ABANDONED MINES FOR OVERWINTERING. DURING THE SUMMER MONTHS INDIANA BATS ROOST IN LARGE TREES WITHIN A VARIETY OF LANDSCAPES, OFTEN NEAR WETLANDS WHERE IT COMMONLY ROOSTS AND BEARS YOUNG DURING THE SUMMER MONTHS. THESE SUMMER MATERNITY ROOSTS CAN OCCUR IN BOTH DEAD AND LIVING TREES. SUITABLE ROOST TREES CONTAIN GREENISH HOLES, CRACKS OR LOOSE BARK AND ARE TYPICALLY EXPOSED TO AMPLE SUNLIGHT. DEAD TREES, WHICH ARE MORE COMMON OR PREFERRED ROOST HABITAT, CAN BE OF A VARIETY OF SPECIES INCLUDING BOTH DECAIDUOUS AND CONIFEROUS TYPES. FAVORED LIVE TREE ROOSTS DOCUMENTED IN NEW YORK INCLUDE INDIVIDUALS OF BLACK LOCUST AND SHAGBARK HICKORY. DURING THE MATERNITY PERIOD BATS OFTEN MAINTAIN SEVERAL ROOSTS (BOTH PRIMARY AND ALTERNATE) WITHIN THEIR HOME RANGE AND TYPICALLY SWITCH ROOSTS EVERY FEW DAYS. THE INDIANA BAT IS INSECTIVOROUS AND OFTEN FORAGES NEAR STREAMS, RIVERS, AND LARGE WETLANDS LOCATED WITHIN THE FOREST EDGE HABITAT.

SITE CLEARING SHALL BE LIMITED TO THE MONTHS OF SEPTEMBER THROUGH MAY WHILE THE INDIANA BAT IS STILL HIBERNATING IN CAVES AND ABANDONED MINES. THE DISTURBANCE SHALL BE LIMITED TO THE LINE OF DISTURBANCE SHOWN ON THE SUBDIVISION MAP.

SUBDIVISION DETAIL

SCALE: 1" = 50'

GRAPHIC SCALE



THIS REPORT IS MADE SOLELY TO THE FOLLOWING PARTIES: KEVIN TINTLE;

I REPORT THAT THIS SURVEY WAS PERFORMED IN THE FIELD BY MYSELF OR UNDER MY DIRECT SUPERVISION AND CONTROL. THAT THE INFORMATION CONTAINED IN THIS SURVEY IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF AND IS BASED ON DATA CONTAINED IN DEEDS OR MAPS OF RECORD LISTED HEREON AND/OR EVIDENCE FOUND IN THE FIELD AND THAT THERE ARE NO SURFACE ENCROACHMENTS EXCEPT AS SHOWN HEREON. THIS REPORT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS OR SUBSEQUENT OWNERS. COMPLETED ON DEC. 8, 2009.

Roger J. Ferris Engineering and Land Surveying, P.C.
Roger J. Ferris, P. L. S. N.Y.S. Lic. No. 049393
President
THIS SURVEY MAP IS INCOMPLETE/INVALID WITHOUT THE LAND SURVEYOR'S EMBOSSED SEAL AND ORIGINAL SIGNATURE. ALL PLANS THAT DO NOT HAVE AN ORIGINAL INK SIGNATURE AND EMBOSSED SEAL MAY HAVE BEEN FRAUDULENTLY ALTERED. IF THE SIGNATURE AND SEAL ARE NOT ORIGINAL, ALL INFORMATION SHOULD BE DISREGARDED UNLESS VERIFIED BY THE PROFESSIONAL LAND SURVEYOR WHOSE SIGNATURE APPEARS ABOVE.

I HEREBY AGREE TO THE FILING OF THIS SUBDIVISION MAP.

OWNERS NAME DATE PROJECT MANAGER DATE

THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOTS(S) AT THE DESIGN LOCATION AT THE TIME OF THE DESIGN.

THOMAS M. DEPUY, P.E., N.Y.S. Lic. No. 037844 DATE

ONLY COPIES OF THIS PLAN BEARING THE ENGINEERS ORIGINAL SEAL SHALL BE CONSIDERED VALID TRUE COPIES. UNAUTHORIZED ALTERATION OR ADDITION TO A DOCUMENT BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

T.M. DEPUY ENGINEERING & LAND SURVEYING, P.C.
2656 ROUTE 302, MIDDLETOWN, NY 10941
PHONE: (845) 361-5421 FAX: (845) 361-5229

RESERVED FOR THE TOWN OF WAWAYANDA PLANNING BOARD APPROVAL STAMP

TOWN OF WAWAYANDA PLANNING BOARD
APPROVED: Feb 2nd 2010
CHAIRMAN: Barbara Patena

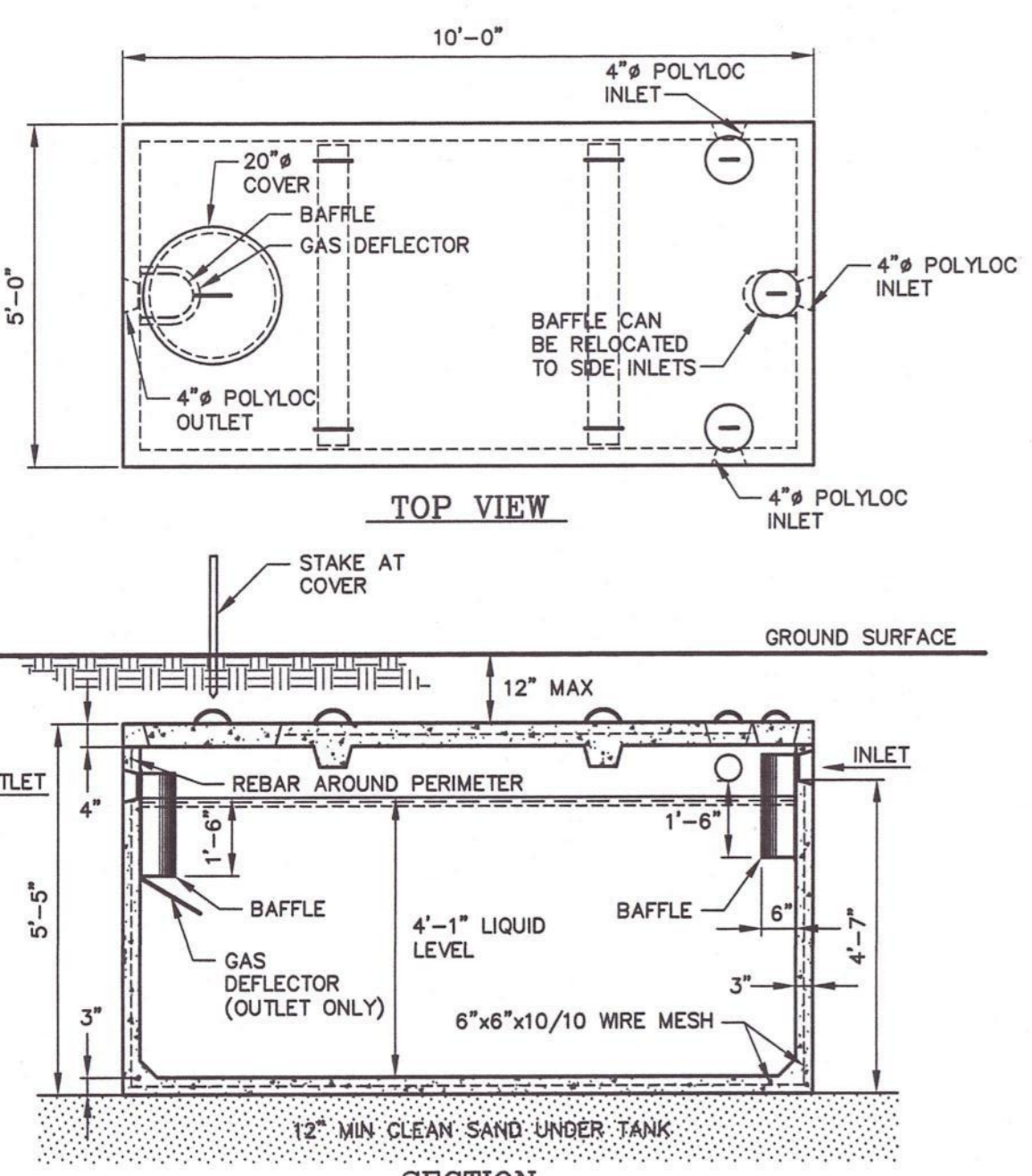
THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE SURVEYOR'S AND/OR ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 2 OF 2. SHEET 1 OF 2

ROGER J. FERRIS Engineering and Land Surveying, P.C.

16 Robert Street Middletown, New York 10940

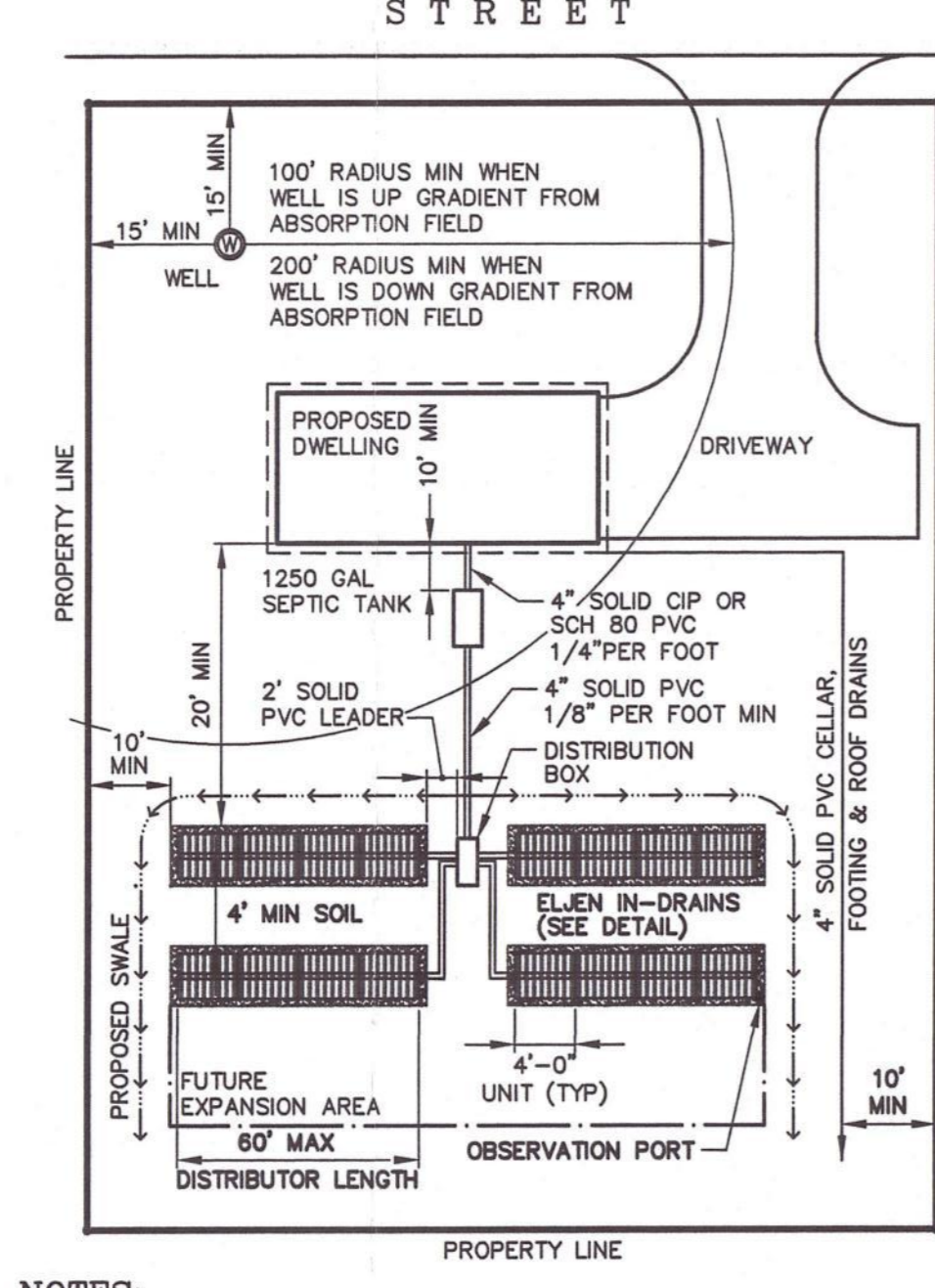
TEL: (845) 343-2511 FAX: (845) 343-0441 www.rogerferris.com

FILE NO - 09-3662



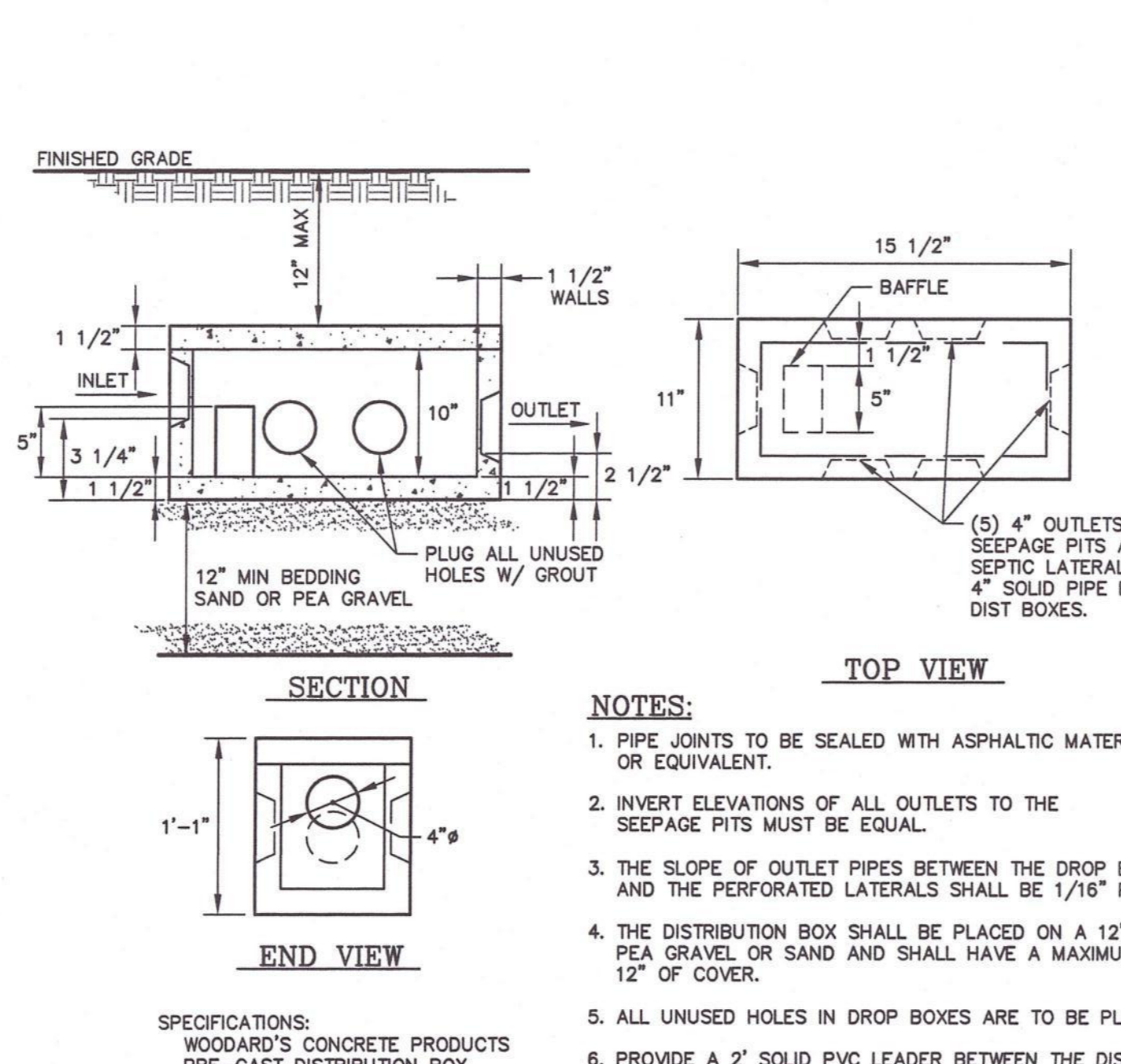
SEPTIC TANK DETAIL
(NOT TO SCALE)

- SPECIFICATIONS:**
- CONCRETE MINIMUM STRENGTH: 4000 P.S.I. AT 28 DAYS.
 - STEEL REINFORCEMENT: 1/2" x 6" x 10 GAUGE WIRE MESH.
 - CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER BASE CEMENT.
 - PIPE CONNECTION: "LOCK" - LOC SEAL; PATENTED
- WOODARD'S CONCRETE PRODUCTS - CONCRETE SEPTIC TANK MODEL NO. ST. 1250, 1250 GALLONS



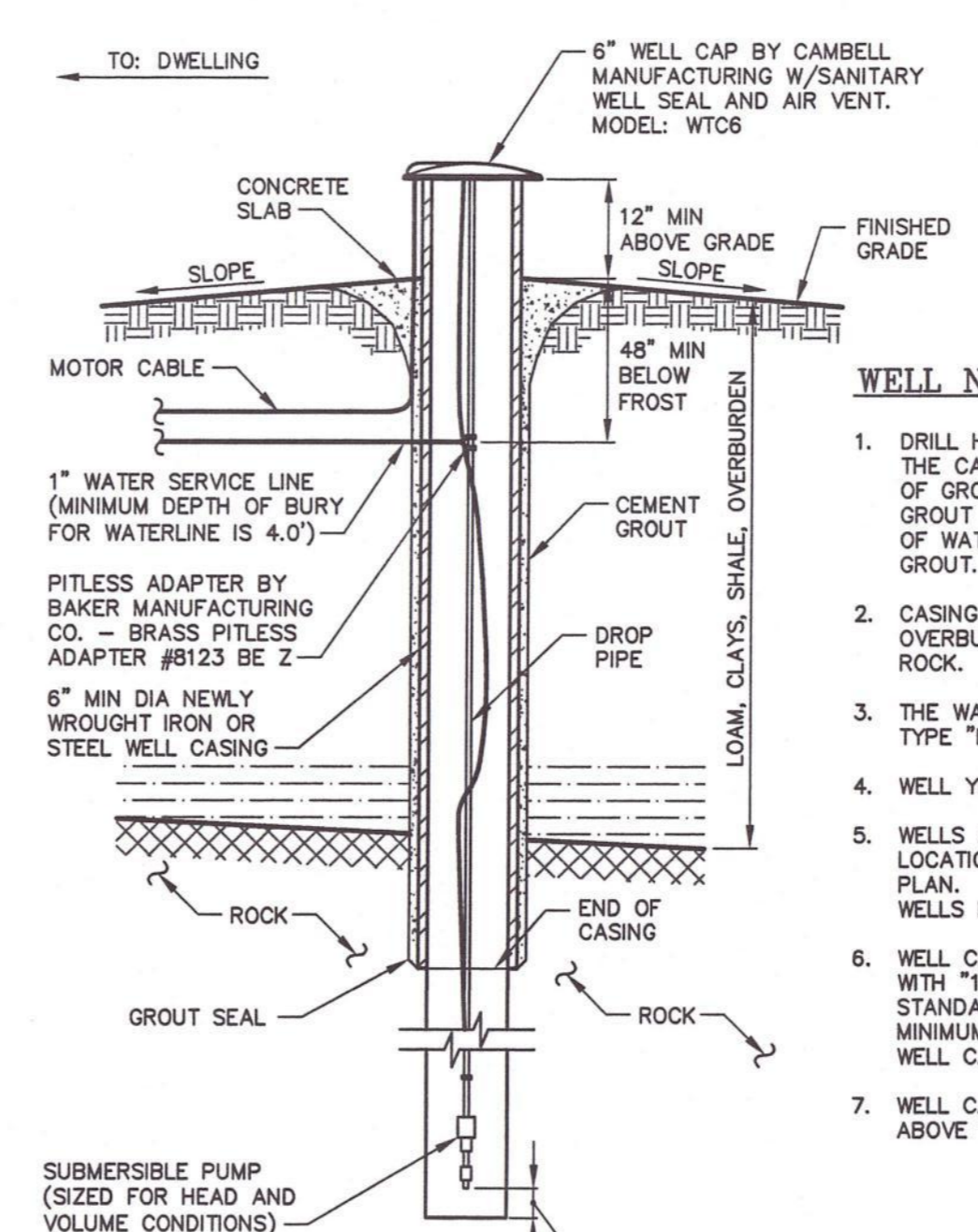
TYPICAL ELJEN TRENCH LOT LAYOUT
(NOT TO SCALE)

- NOTES:**
1. SEPTIC TANK IS TO BE 50' MIN. FROM WELL AND 10' MIN. FROM DWELLING.
 2. DISTRIBUTION BOX SHALL BE INSTALLED LEVEL. FLOW LEVELS SHALL BE INSTALLED TO INSURE EQUAL DISTRIBUTION.
 3. RESERVE A 50% FUTURE EXPANSION AREA FOR RESIDENTIAL USES AND A 100% FUTURE EXPANSION AREA RESERVED FOR COMMERCIAL USES.



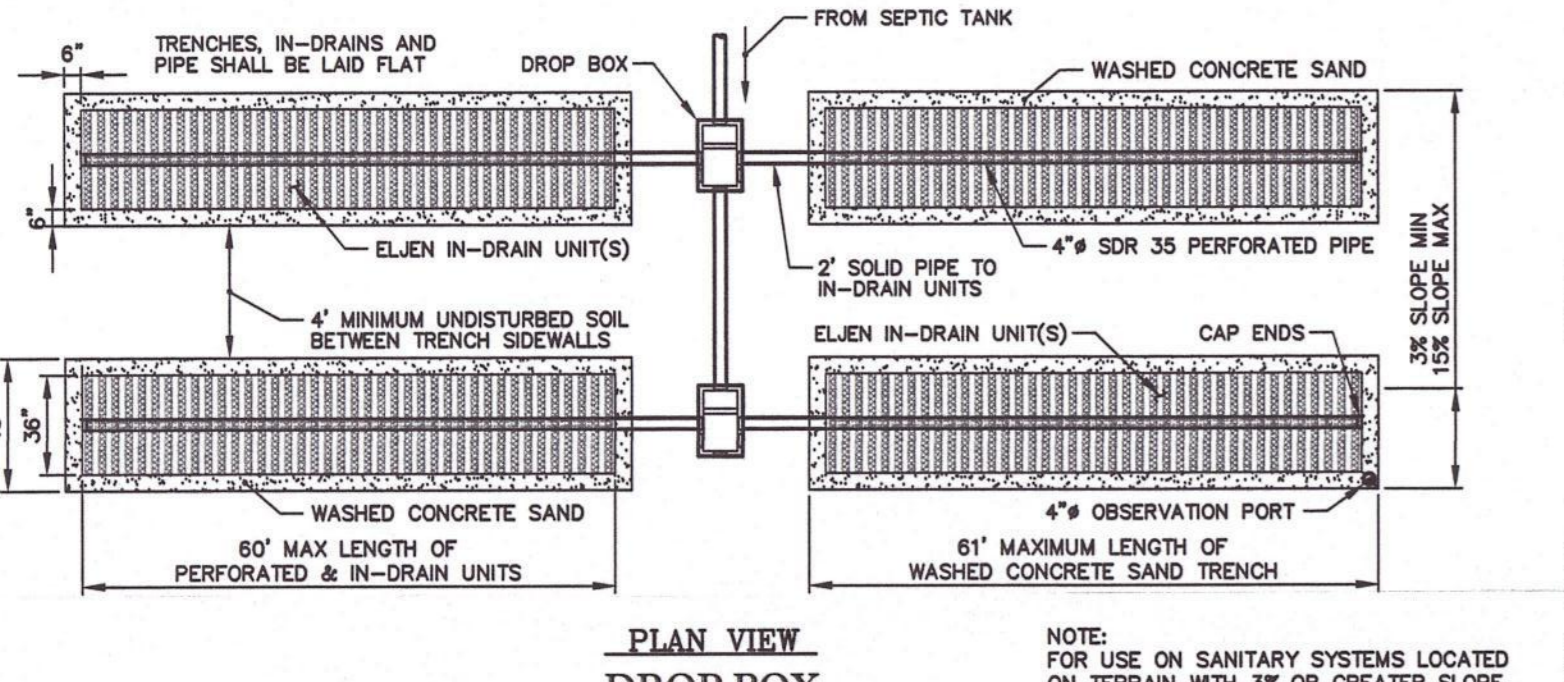
DISTRIBUTION BOX DETAIL
(NOT TO SCALE)

- NOTES:**
1. PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 2. INVERT ELEVATIONS OF ALL OUTLETS TO THE SEPTIC TANK MUST BE EQUAL.
 3. THE SLOPE OF OUTLET PIPES BETWEEN THE DROP BOX AND THE PERFORATED LATERALS SHALL BE 1/8" PER FOOT.
 4. THE DISTRIBUTION BOX SHALL BE PLACED ON A 12" BED OF PEA GRAVEL OR SAND AND SHALL HAVE A MAXIMUM OF 12" OF COVER.
 5. ALL UNUSED HOLES IN DROP BOXES ARE TO BE PLUGGED.
 6. PROVIDE A 2" SOLID PVC LEADER BETWEEN THE DISTRIBUTION BOX AND THE PERFORATED TRENCH PIPE.



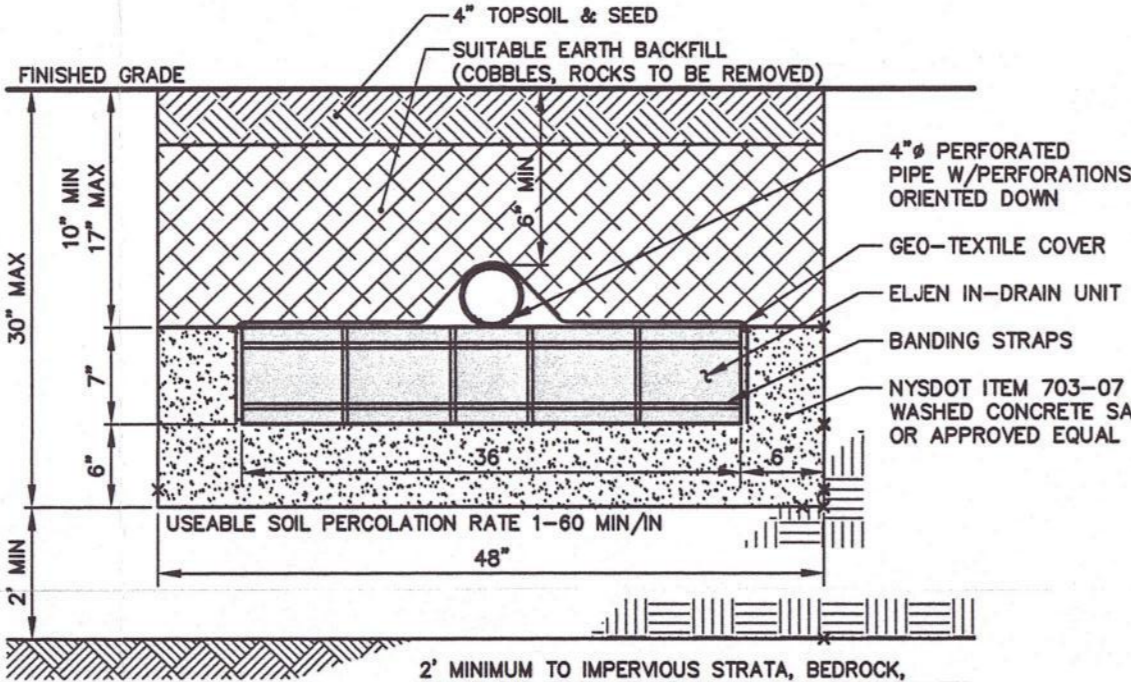
WELL DETAIL
(NOT TO SCALE)

- WELL NOTES:**
1. DRILL HOLE SHALL BE THE DIAMETER OF THE CASE PLUS 4" WITH 20' MINIMUM OF GROUT AND CASING INTO ROCK. GROUT MIXTURE SHALL BE 5.5 GALS OF WATER TO 1 BAG OF NEAT CEMENT GROUT.
 2. CASING SHALL BE DRILLED THROUGH OVERBURDEN AND FIRMLY ADHERED TO THE WATER.
 3. THE WATER SERVICE LINES SHALL BE TYPE "K" COPPER.
 4. WELL YIELD MUST BE AT LEAST 5 GPM.
 5. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE APPROVED PLAN. MINIMUM SEPARATIONS FROM WELLS MUST BE STRICTLY ADHERED TO.
 6. WELL CASING SHALL BE IN COMPLIANCE WITH "NYSDC" APPENDIX 5-B STANDARDS FOR WATER WELLS. A MINIMUM OF 50' OF PROPERLY GROUTED WELL CASING SHALL BE USED.
 7. WELL CAP SHALL BE A MINIMUM OF 24" ABOVE THE 100 YEAR FLOOD ELEVATION.



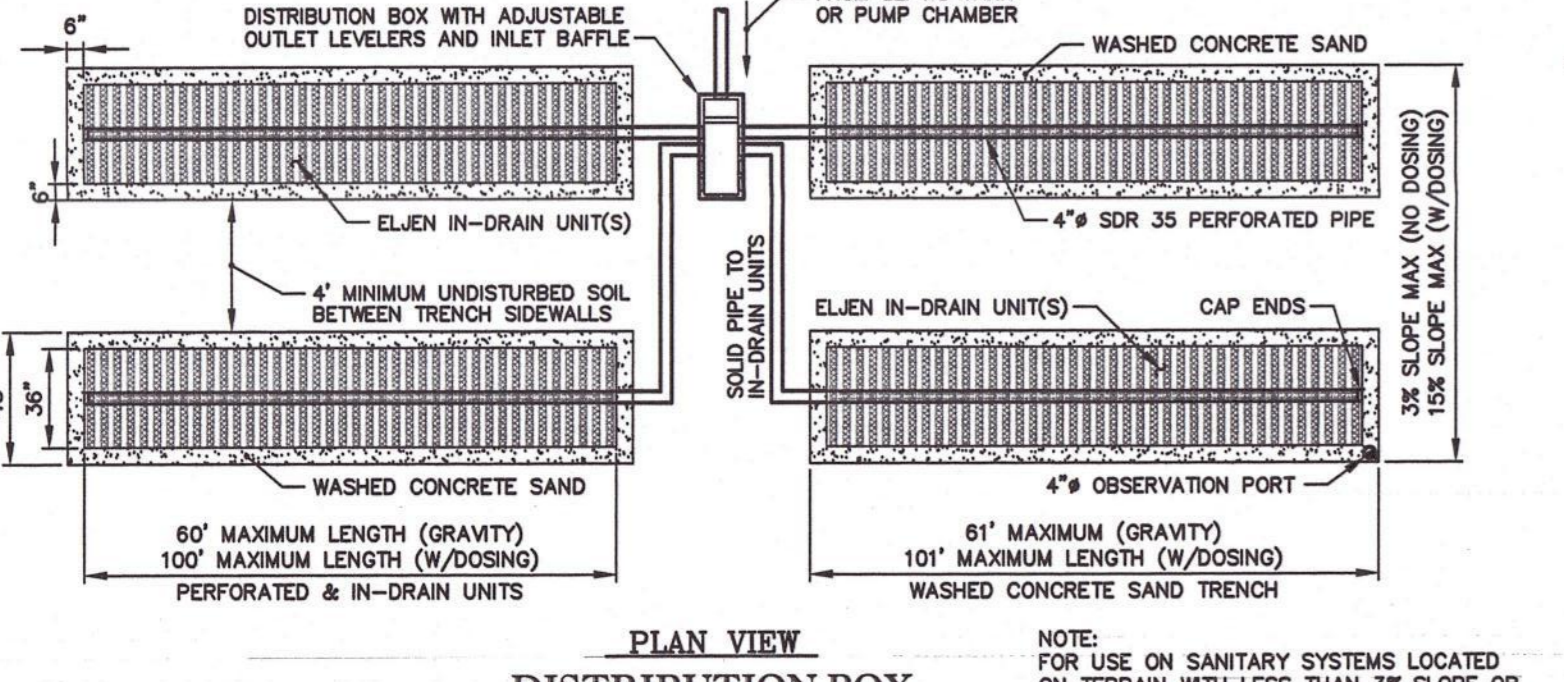
DROP BOX
IN-DRAIN TRENCH LAYOUT

- NOTE:**
FOR USE ON SANITARY SYSTEMS LOCATED ON TERRAIN WITH 2% OR GREATER SLOPE, UNLESS DOSED BY PUMP OR SIPHON.



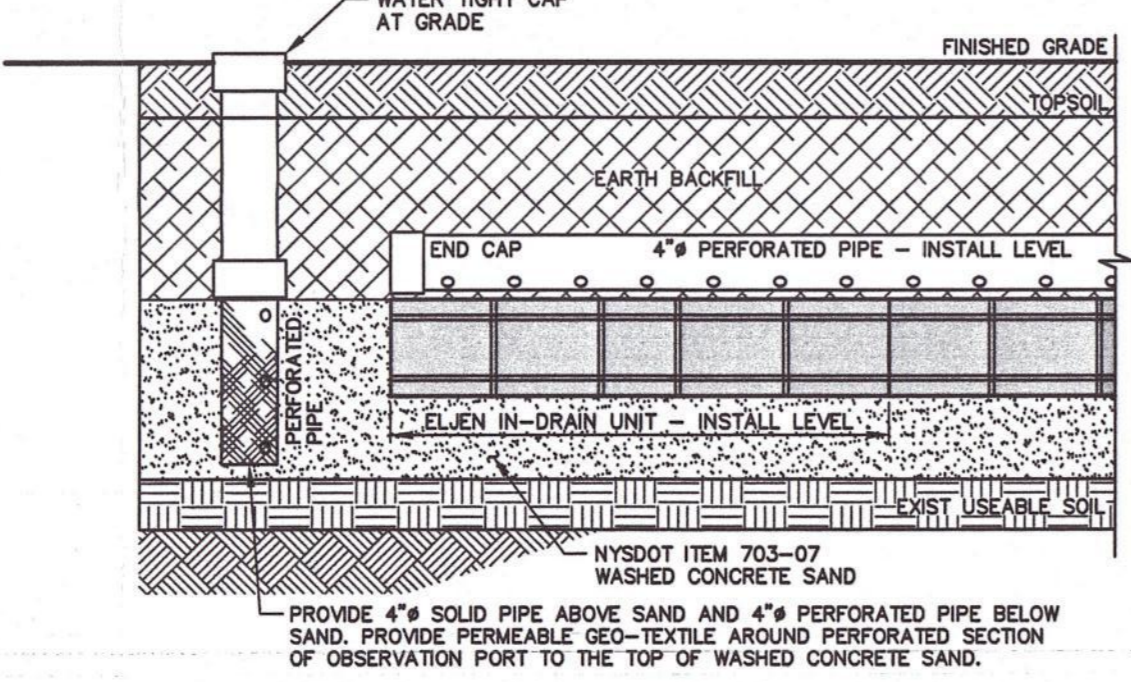
OBSERVATION PORT DETAIL

- NOTES:**
1. DO NOT INSTALL TRENCHES IN WET SOILS.
 2. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING SAND.
 3. THE ENDS OF ALL DISTRIBUTOR PIPES MUST BE CAPPED OR PLUGGED.
 4. THERE MUST BE A MINIMUM OF 4"-6" OF UNDISTURBED SOIL BETWEEN TRENCHES.
 5. NEW ELJEN SANITARY DISPOSAL SYSTEMS REQUIRE A 50% FUTURE EXPANSION AREA.
 6. TRENCHES, IN-DRAINS AND PIPE SHALL BE INSTALLED LEVEL.
 7. GARBAGE GRINDERS SHALL BE PROHIBITED.
 8. ALL TRENCHES AND ELJEN IN-DRAINS SHALL BE INSTALLED LEVEL.
 9. THE ELJEN SYSTEM SAND BED FILL MATERIAL SHALL BE NYSDOT SPECIFIC ITEM 703-07.
 10. PERFORATED PIPE SHALL BE SECURED TO THE IN-DRAIN UNITS BY THE WIRE CLAMPS PROVIDED BY ELJEN.
 11. IN-DRAIN UNITS SHALL BE INSTALLED SUCH THAT THE PERFORATED PIPE IS PERPENDICULAR TO THE DRUM AND OSGRATED CORE.
 12. BACKFILL MATERIAL SHALL BE CLEAN AND FREE OF ANY LARGE STONES OR DELETERIOUS MATERIAL.
 13. PERMEABLE GEO-TEXTILE FILTER FABRIC SHALL BE DRAPED OVER TOP AND SIDES OF IN-DRAIN UNIT AND PERFORATED PIPE TO PREVENT SILTATION.
 14. ALL UNUSED OUTLETS IN DISTRIBUTION BOX AND LINE ENDS SHALL BE CAPPED.
 15. SYSTEM SHALL BE COVERED WITH A MINIMUM OF 4" TOPSOIL AND SHALL BE SEED.



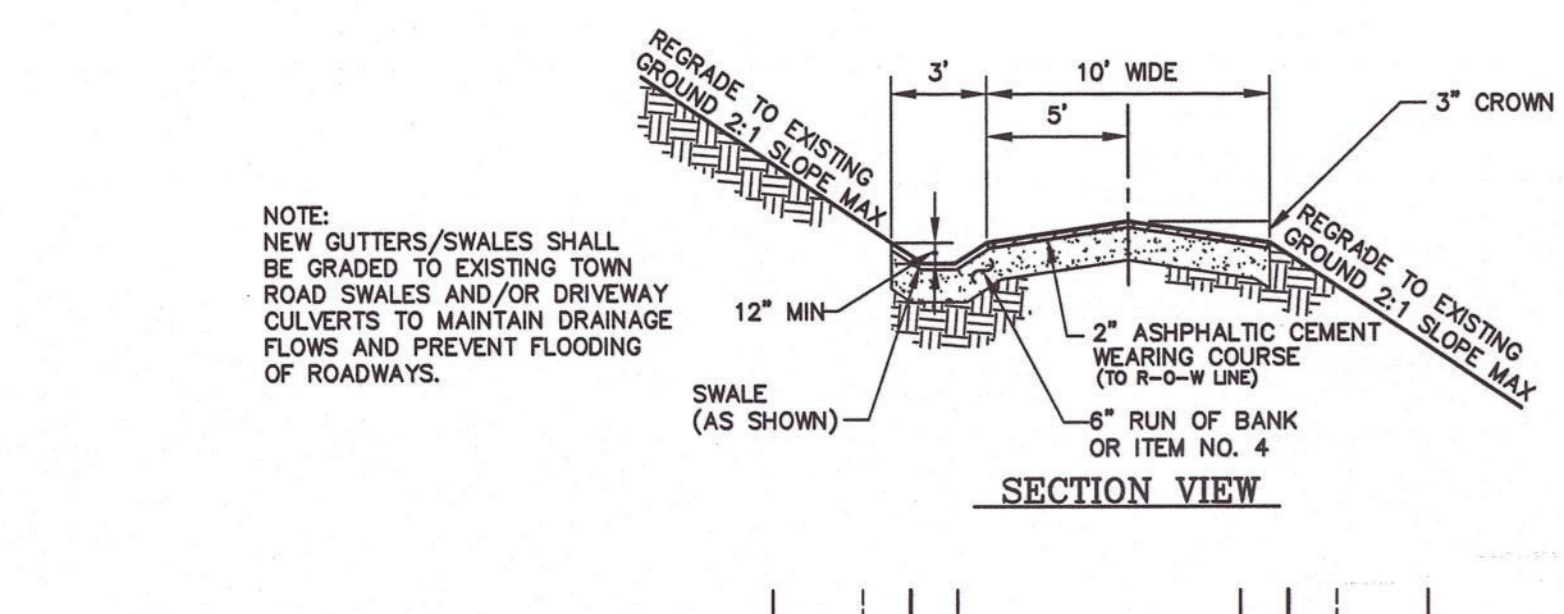
DISTRIBUTION BOX
IN-DRAIN TRENCH LAYOUT

- NOTE:**
FOR USE ON SANITARY SYSTEMS LOCATED ON TERRAIN WITH LESS THAN 2% SLOPE OR DOSED BY PUMP OR SIPHON.

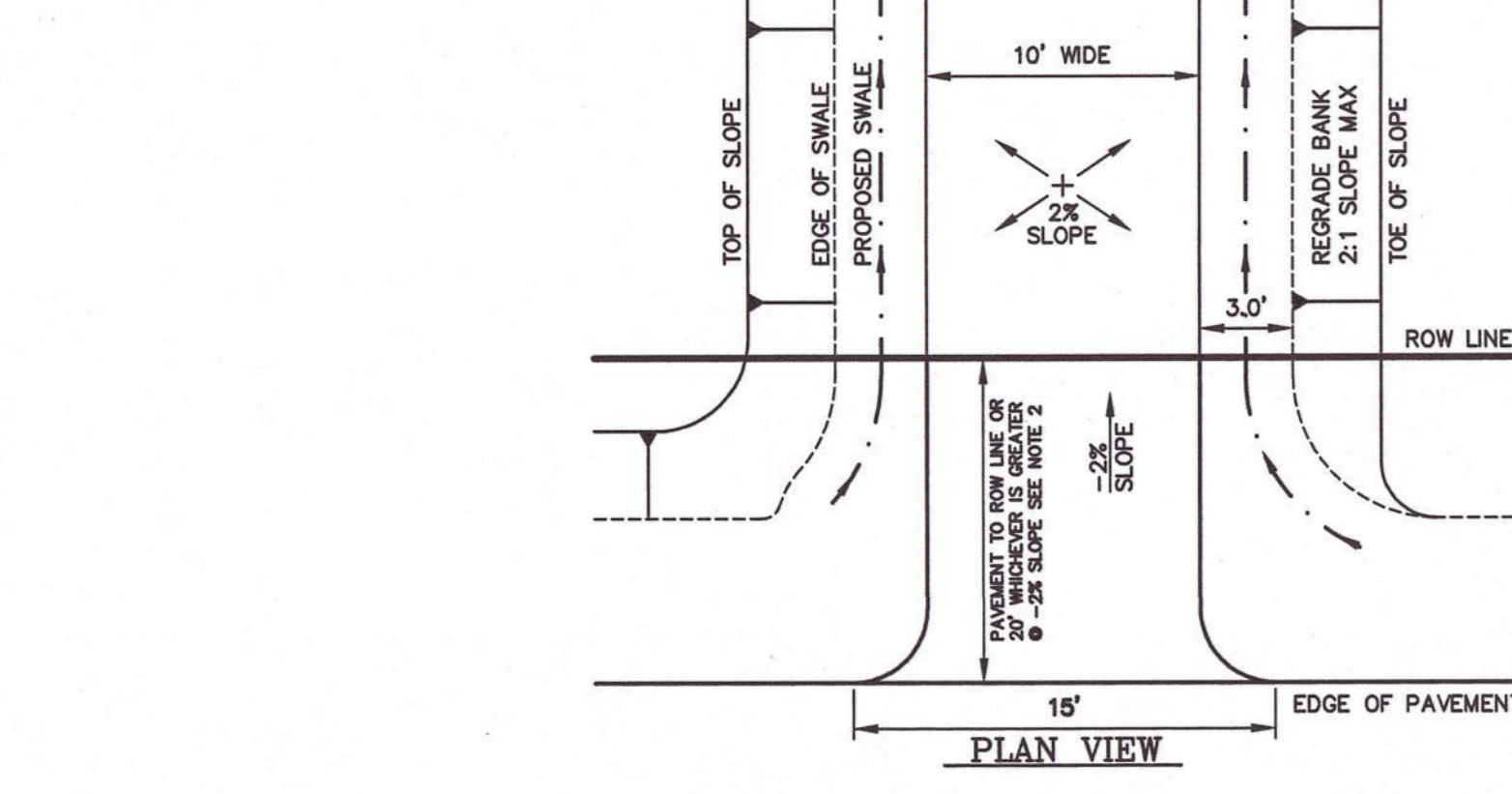


OBSERVATION PORT DETAIL

- CALCULATION:**
THE NUMBER OF ELJEN IN-DRAIN UNITS REQUIRED IS REACHED BY DIVIDING THE TOTAL REQUIRED ABSORPTION TRENCH LENGTH BY 4 AND ROUNDING UP TO THE NEAREST WHOLE NUMBER.
THE ELJEN IN-DRAIN UNIT ABSORPTION TRENCH LENGTH IS BASED ON A 4" WIDE TRENCH AND 20% GROUT OF 4" SF FOR LINEAR FOOT. EACH UNIT IS 4' LINEAR FEET LONG.
- NYSDOT ITEM NO. 703-07
- | SIEVE SIZE | MINIMUM | MAXIMUM |
|------------|---------|---------|
| 3/8 INCH | 100% | 100% |
| NO. 4 | 90% | 100% |
| NO. 8 | 75% | 100% |
| NO. 16 | 50% | 85% |
| NO. 30 | 25% | 60% |
| NO. 50 | 10% | 30% |
| NO. 100 | 1% | 10% |
| NO. 200 | 0% | 3% |

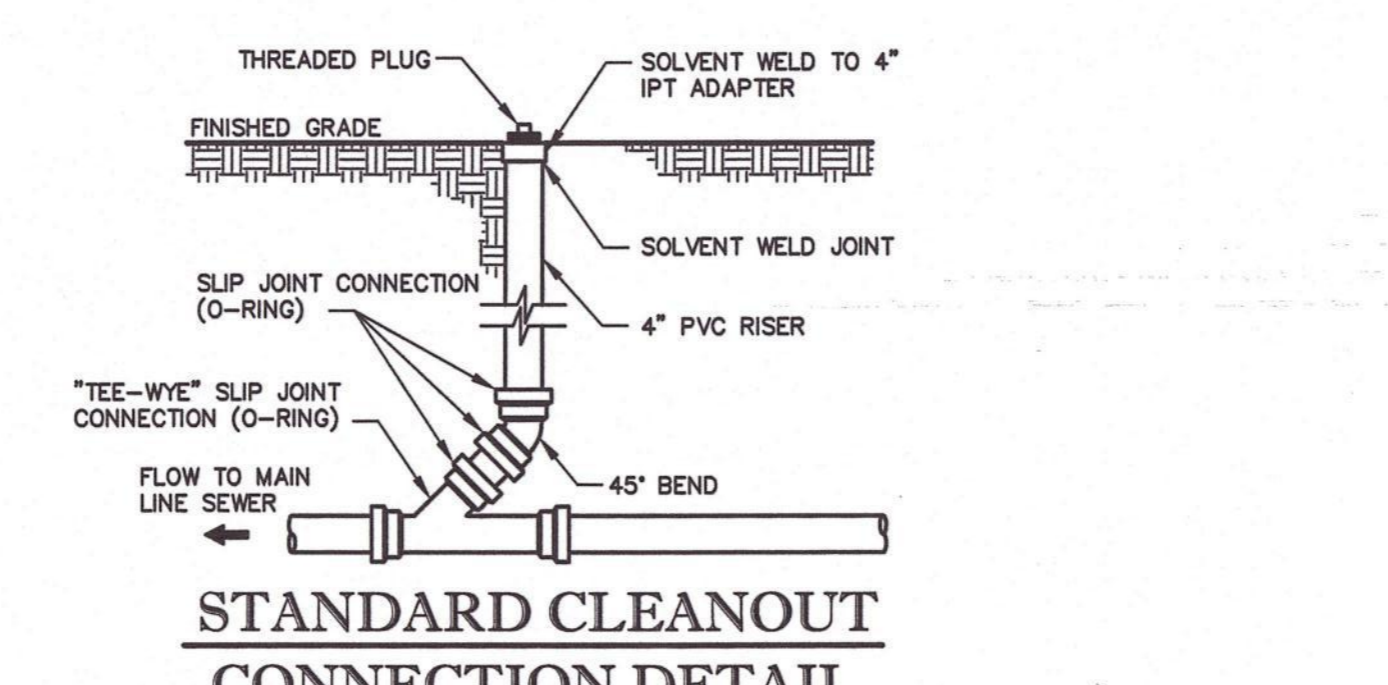


ELJEN IN-DRAIN TRENCH DETAILS
(NOT TO SCALE)

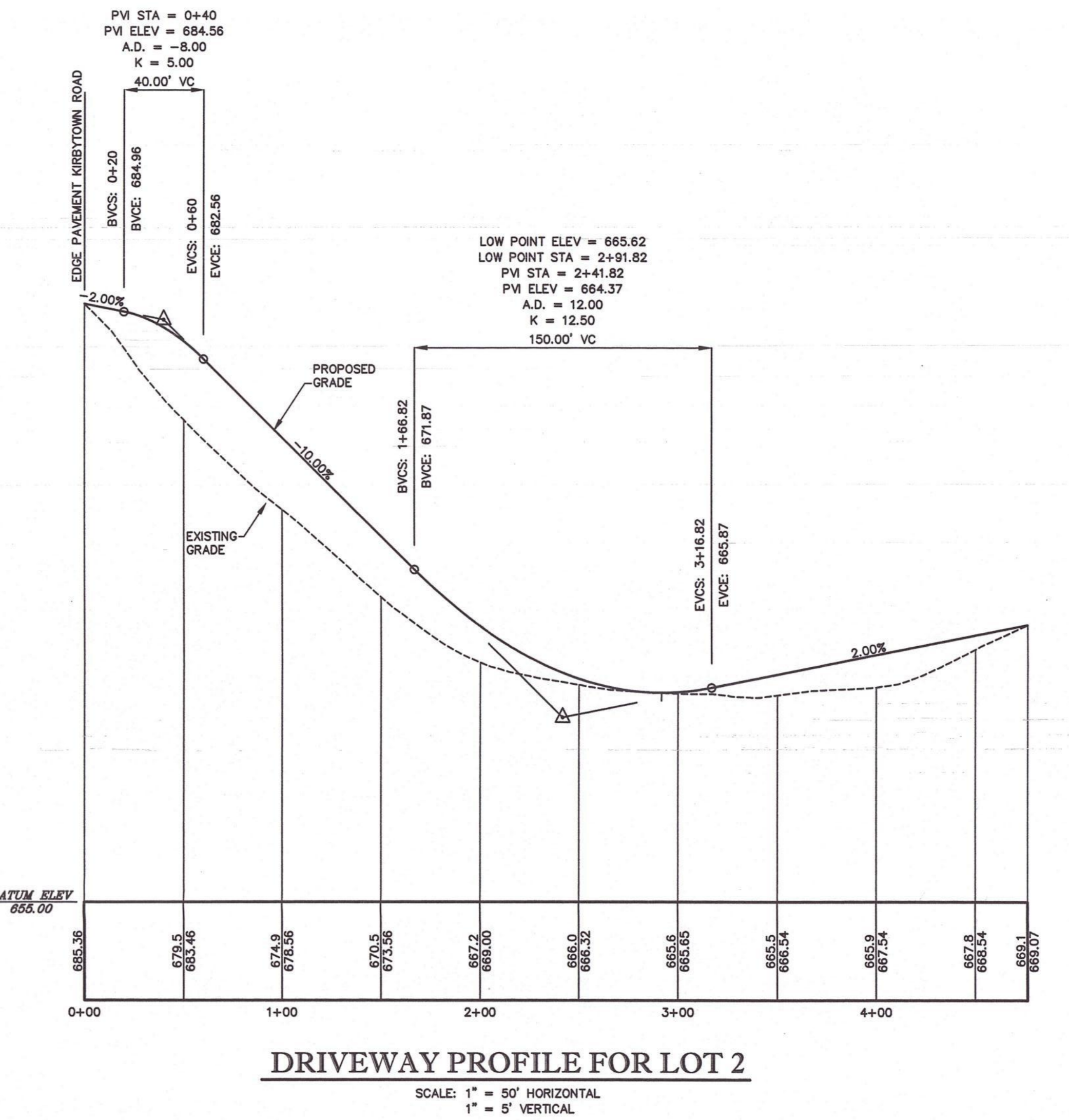


DRIVEWAY ENTRANCE DETAIL
(NOT TO SCALE)

- NOTE:**
1. DRIVEWAYS WITH GRADES IN EXCESS OF 10% ARE REQUIRED TO BE PAVED WITH A MINIMUM OF 2 INCHES OF ASPHALTIC CONCRETE TOP COURSE FOR THEIR ENTIRE LENGTH AS PER 162-(25(d)) OF THE TOWN OF WAWAYANDA SUBDIVISION REGULATIONS.



STANDARD CLEANOUT CONNECTION DETAIL
(NOT TO SCALE)



THE PROPOSED SEWAGE DISPOSAL SYSTEM(S) AND WATER SUPPLY SYSTEM(S) SHOWN ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS. THE DESIGN(S) ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOTS(S) AT THE DESIGN LOCATION AT THE TIME OF THE DESIGN.

THOMAS M. DEPUY, P.E., N.Y.S. LIC. NO. 057844 DATE _____
ONLY COPIES OF THIS PLAN BEARING THE ENGINEER'S ORIGINAL SEAL SHALL BE CONSIDERED VALID, TRUE COPIES.
UNAUTHORIZED ALTERATION OR ADDITION TO A DOCUMENT BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

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SEPTIC SYSTEM NOTES:

1. THE PROPOSED FACILITIES FOR WATER SUPPLY AND SEWAGE COLLECTION AND/OR TREATMENT SHALL BE INSTALLED IN CONFORMANCE WITH SAID PLANS. THE DESIGN OF THE SANITARY FACILITIES (WELL AND SEPTIC SYSTEM) SHALL NOT BE CHANGED OR RELOCATED FROM THE APPROVED PLAN WITHOUT PRIOR APPROVAL FROM THE HEALTH DEPARTMENT.
2. THE DEVELOPER SHALL FURNISH EACH PURCHASER OF A LOT ON WHICH WATER SUPPLY AND/OR SEWAGE TREATMENT FACILITIES WERE INSTALLED WITH A REPRODUCTION OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT PLAN DEFINING ALL EXISTING SANITARY FACILITIES INCLUDING A FINISH WELL COMPLETION REPORT. THE PURCHASER SHALL ALSO BE ADVISED OF ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY, INCLUDING BUT NOT LIMITED TO:
 - A. THE SEPTIC TANK SHALL BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
 - B. DISTRIBUTION/DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO INSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
 - C. PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION INCLUDING HIGH WATER ALARMS, TESTING AND ANY PHYSICAL DAMAGE.
 - D. REFER TO PAGES 58 - 61 OF THE NYSDC DESIGN HANDBOOK FOR RECOMMENDED AND ROUTINE OPERATION AND MAINTENANCE ITEMS.
3. THE SANITARY FACILITIES (I.E., INDIVIDUAL WATER WELLS AND SEWAGE TREATMENT FACILITIES) ON PROPOSED LOTS) SHALL BE INSPECTED FOR COMPLIANCE WITH THE APPROVED PLANS AT THE TIME OF CONSTRUCTION BY A NEW YORK LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPT.). WITHIN 30 DAYS PRIOR TO OCCUPANCY OF THE DWELLING, THE ENGINEER SHALL CERTIFY IN WRITING TO THE HEALTH DEPARTMENT AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS ARE SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.
4. INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED FOR HOUSEHOLD DOMESTIC PURPOSES WHEN PUBLIC FACILITIES BECOME AVAILABLE CONNECTION TO THE PUBLIC SEWAGE SYSTEM IS REQUIRED WITHIN ONE YEAR OF THE SYSTEM BECOMING AVAILABLE.
5. SANITARY SYSTEM DESIGN SHALL BE LIMITED TO A PERIOD OF 5 YEARS.
6. ALL LOCAL AND STATE AGENCY RULES AND REGULATIONS SHALL BE COMPLIED WITH.
7. ALL WELLS AND SEPTIC SYSTEMS WITHIN 300' OF THE PROPOSED SANITARY FACILITIES HAVE BEEN LOCATED IN THE FIELD AND SHOWN HEREON.
8. TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED. THE ENDS OF LATERALS MUST BE CAPPED.
9. THERE SHALL BE NO RE-GRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS.
10. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELD EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDESIRED COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL WHICH THE DESIGN WAS BASED.
11. NO SWIMMING POOLS, DRIVEWAYS, PARKING AREAS OR ANY OTHER STRUCTURE THAT CAN COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
12. THE SEPTIC DISPOSAL SYSTEMS WERE NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACOZZI TYPE SPA TUBS (OVER 100 GALL) OR WATER CONDITIONERS. AS SUCH THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SEPTIC DISPOSAL SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM.
13. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
14. THIS PROJECT DOES NOT LIE WITHIN A PUBLIC WATERSHED.
15. NO ROOF, CELLAR OR FOOTING DRAINS ARE TO BE DISCHARGED INTO THE AREA OF THE SEWAGE DISPOSAL SYSTEM, OR TO THE WELL.

SWALE DETAIL
(NOT TO SCALE)

SUBDIVISION OF PROPERTY FOR
TINTLE
TOWN OF WAWAYANDA
ORANGE COUNTY, NEW YORK
SCALE: AS SHOWN
JANUARY 20, 2009

REVISED: OCTOBER 28, 2009
REVISED: NOVEMBER 24, 2009
REVISED: DECEMBER 8, 2009

RESERVED FOR THE TOWN OF WAWAYANDA PLANNING BOARD APPROVAL STAMP

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE SURVEYOR'S AND/OR ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 2 OF 2.

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