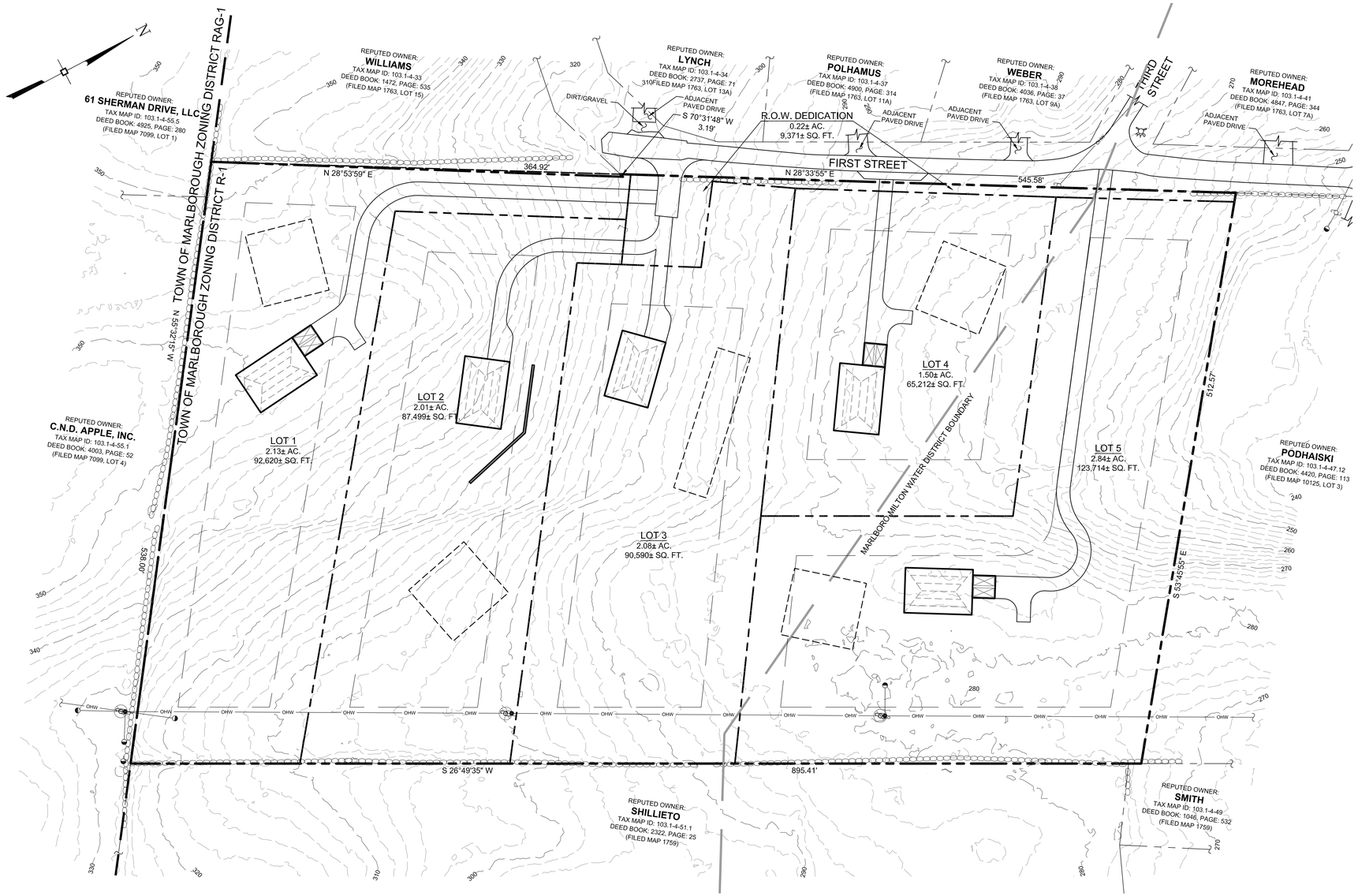


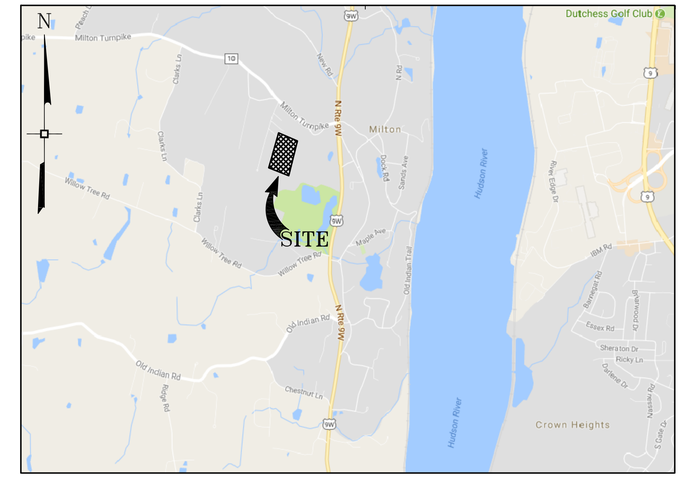


## LOCATION MAP

SCALE: 1" = 2000'

## GENERAL NOTES

1. TAX MAP IDENTIFICATION NUMBER: SECTION 103.1, BLOCK 4, LOT 47.130
2. BOUNDARY INFORMATION BASED UPON FIELD SURVEY AS PERFORMED ENGINEERING & SURVEYING PROPERTIES ON MARCH 6TH, 2013
3. TOPOGRAPHICAL INFORMATION SHOWN HEREON WAS COMPILED BY ENGINEERING AND SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 LIDAR. THE DEMS WERE PROVIDED BY NYS.GIS.GOV AND CORRESPOND TO ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
4. OWNER: DEAN GRAZIOSI, 453 E. SUNBURST LANE, TEMPE, ARIZONA, 85284
5. APPLICANT: DOUGLAS SMITH, PO BOX 368, MARLBORO, NY 12542
6. PROPOSED NUMBER OF LOTS: 5
7. ALL PROPOSED LOTS SHALL BE SERVICED BY INDIVIDUAL WELLS AND SEPTICS.
8. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS PRIOR TO CONSTRUCTION FOR ENGINEER'S REVIEW FOR WALL OVER 4'-0" IN HEIGHT)

| No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| DRAWING STATUS | ISSUE DATE: 08/25/17 | | |
|---|---|---|---|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | SHEET NUMBER | | |
| ☐ CONCEPT APPROVAL | N/A | OF | N/A |
| ☑ PLANNING BOARD APPROVAL | 1 | OF | 5 |
| ☐ OCDOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| ☐ OCDOH WATERMAIN EXTENSION APPROVAL | N/A | OF | N/A |
| ☐ NYSDEC APPROVAL | N/A | OF | N/A |
| ☐ NYSDOT APPROVAL | N/A | OF | N/A |
| ☐ OTHER | N/A | OF | N/A |
| ☐ FOR BID | N/A | OF | N/A |
| ☐ FOR CONSTRUCTION | N/A | OF | N/A |

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## LIST OF DRAWINGS

| DRAWING # | TITLE | SHEET # |
|---|---|---|
| C-100 | OVERALL SUBDIVISION PLAN | 1 |
| C-101 | SUBDIVISION PLAN | 2 |
| C-102 | EROSION CONTROL PLAN | 3 |
| C-301 | DETAILS | 4 |
| C-302 | DETAILS | 5 |

## RECORD OWNER'S CONSENT NOTE:

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND ITS LEGENEDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THIS PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ULSTER, IF SO REQUIRED.

RECORD OWNER'S SIGNATURE

DOUGLAS SMITH
PO BOX 452
MARLBORO, NY 12542

TOWN OF MARLBOROUGH
PLANNING BOARD APPROVAL BOX

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ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 071701

50 0 25 50 100
1 inch = 50 ft.

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# OVERALL SUBDIVISION PLAN

SMITH SUBDIVISION
FIRST STREET
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

| JOB #: 1022.06 | DRAWN BY: ZS | C-100 |
|---|---|---|
| DATE: 08/25/17 | SCALE: 1"=50" | |
| REVISION: 0 | TAX LOT: 103.1-4-47.130 | |



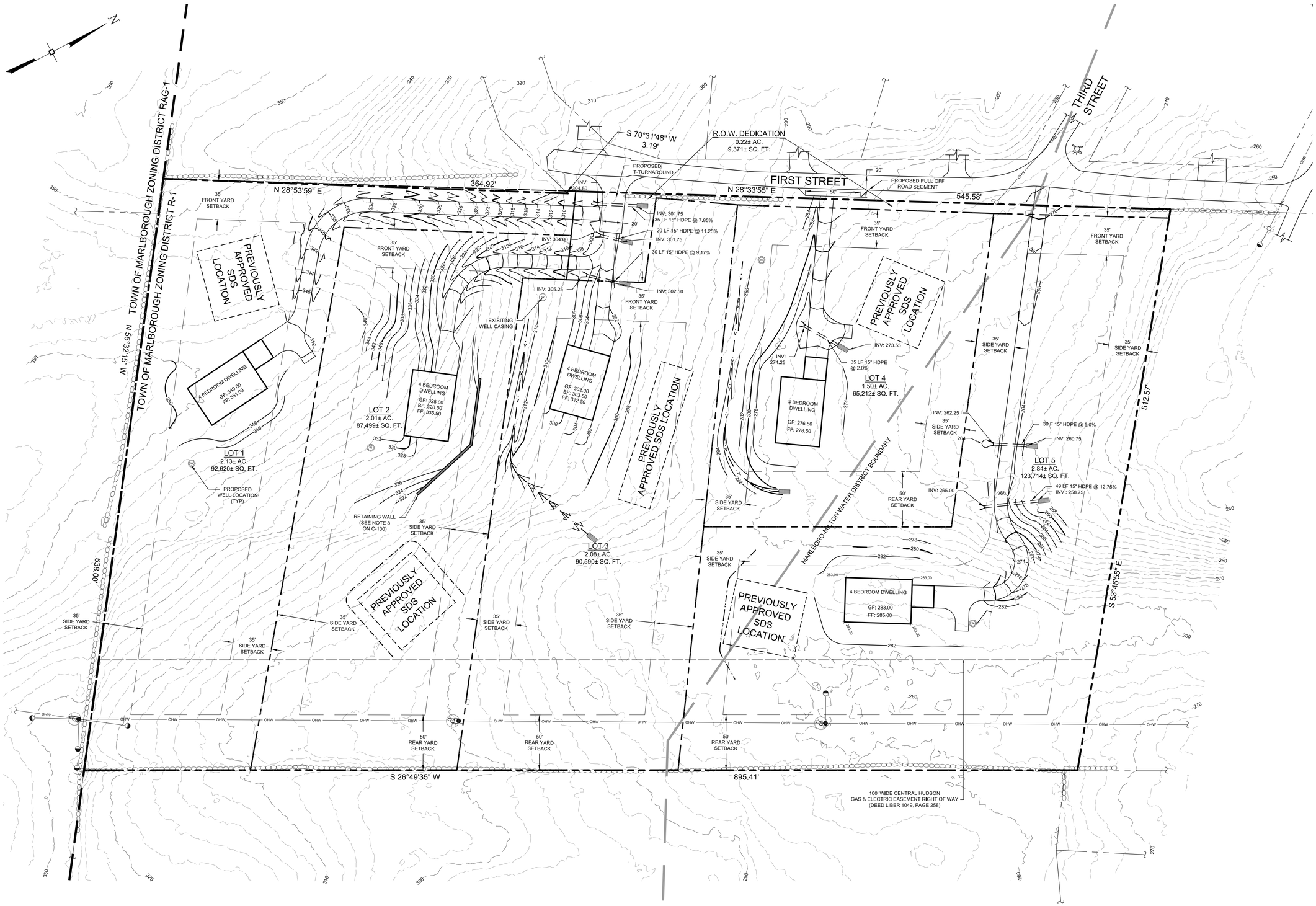
## LEGEND

- BUILDING LINE
- BUILDING GARAGE LINE
- BUILDING ROOF LINE
- EXISTING BUILDING LINE
- EXISTING MAJOR CONTOUR LINE (310)
- EXISTING MINOR CONTOUR LINE (422)
- EDGE OF PAVEMENT LINE
- SEPTIC SYSTEM LOCATION
- BUILDING SETBACK LINES
- DRIVEWAY LINE
- PROPERTY LINE
- EXISITING OVERHEAD WIRE
- ADJACENT PROPERTY LINE
- WATER DISTRICT LINE
- ZONING BOUNDARY LINE
- WALL LINE (HATCH 135)
- PROPOSED WELL LOCATION
- FIRE HYDRANT
- UTILITY POLE
- PROPOSED HOUSE FOOTPRINT (40'X60')
- PROPOSED GARAGE FOOTPRINT (20'X20')

## BULK REQUIREMENTS

TOWN OF MARLBOROUGH - RESIDENTIAL ZONING DISTRICT R-1

| MINIMUM BUILDING REQUIREMENTS | REQUIRED | LOT 1 | LOT 2 | LOT 3 | LOT 4 | LOT 5 |
|---|---|---|---|---|---|---|
| LOT AREA | 43,560 SF | ± 93,908 SF | ± 88,263 SF | ± 94,172 SF | ± 65,212 SF | ± 123,712 SF |
| LOT WIDTH | 150 FEET | 162.2 FEET | 160.5 FEET | 197.9 FEET | 223.3 FEET | 360 FEET |
| LOT DEPTH | 200 FEET | 537.5 FEET | 490.7 FEET | 443 FEET | 289.1 FEET | 219.2 FEET |
| FRONT YARD | 35 FEET | 60.2 FEET | 54.9 FEET | 101.2 FEET | 131.6 FEET | 44.4 FEET |
| REAR YARD | 50 FEET | 61.6 FEET | 67.3 FEET | 56 FEET | 56.9 FEET | 134.9 FEET |
| SIDE YARD (ONE/BOTH) | 35/70 FEET | 158.2/456.2 FEET | 50.6/413 FEET | 61.1/366.2 FEET | 54.87/209.6 FEET | 132.6/289.2 FEET |
| MAXIMUM ALLOWABLE | | | | | | |
| MAXIMUM BUILDING HEIGHT | 35 FT | < 35 FT | < 35 FT | < 35 FT | < 35 FT | < 35 FT |
| MAXIMUM BUILDING COVERAGE | 20% | 3.0% | 3.2% | 3.0% | 4.3% | 2.3% |
| MAXIMUM NUMBER OF STORIES | 2 1/2 | < 2 1/2 | < 2 1/2 | < 2 1/2 | < 2 1/2 | < 2 1/2 |




| No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| DRAWING STATUS | ISSUE DATE: 08/25/17 | | |
|---|---|---|---|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | SHEET NUMBER | | |
| ☐ CONCEPT APPROVAL | N/A | OF | N/A |
| ☑ PLANNING BOARD APPROVAL | 2 | OF | 5 |
| ☐ OCDOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| ☐ OCDOH WATERMAIN EXTENSION APPROVAL | N/A | OF | N/A |
| ☐ NYSDEC APPROVAL | N/A | OF | N/A |
| ☐ NYSDOT APPROVAL | N/A | OF | N/A |
| ☐ OTHER | N/A | OF | N/A |
| ☐ FOR BID | N/A | OF | N/A |
| ☐ FOR CONSTRUCTION | N/A | OF | N/A |

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ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 071701

40 0 20 40 80
1 inch = 40 ft.

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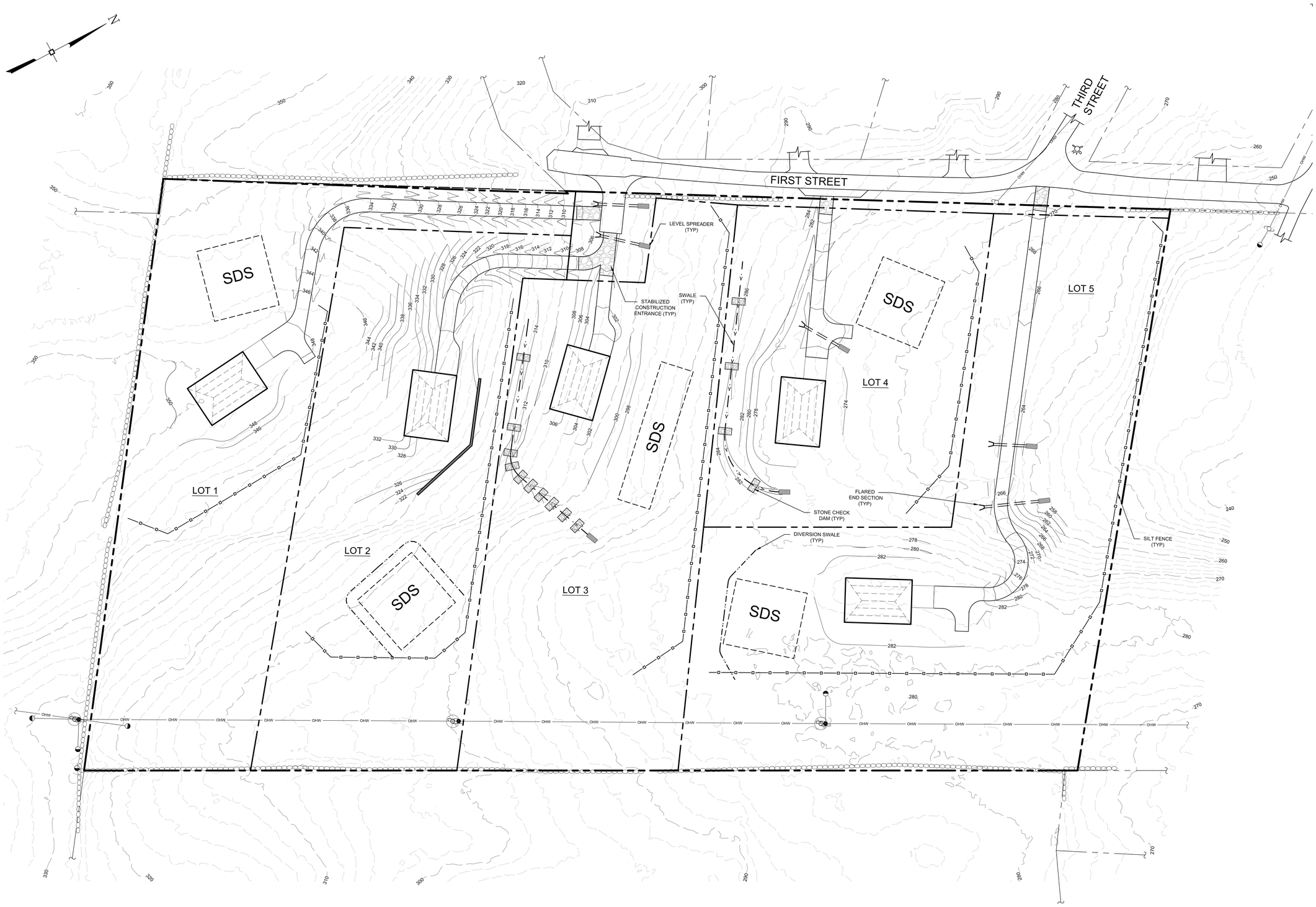
# SUBDIVISION PLAN

SMITH SUBDIVISION
FIRST STREET
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

| JOB #: 1022.06 | DRAWN BY: ZS | C-101 |
|---|---|---|
| DATE: 08/25/17 | SCALE: 1"=40" | |
| REVISION: 0 | TAX LOT: 103.1-4-47.130 | |




| No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| DRAWING STATUS | ISSUE DATE: 08/25/17 | | |
|---|---|---|---|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | SHEET NUMBER | | |
| ☐ CONCEPT APPROVAL | N/A | OF | N/A |
| ☑ PLANNING BOARD APPROVAL | 3 | OF | 5 |
| ☐ OCDOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| ☐ OCDOH WATERMAIN EXTENSION APPROVAL | N/A | OF | N/A |
| ☐ NYSDEC APPROVAL | N/A | OF | N/A |
| ☐ NYSDOT APPROVAL | N/A | OF | N/A |
| ☐ OTHER | N/A | OF | N/A |
| ☐ FOR BID | N/A | OF | N/A |
| ☐ FOR CONSTRUCTION | N/A | OF | N/A |

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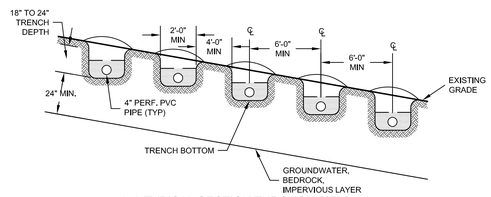
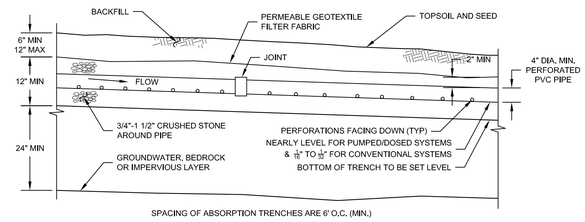
# EROSION & SEDIMENT CONTROL

SMITH SUBDIVISION
FIRST STREET
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

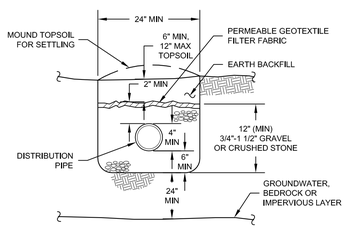
| JOB #: 1022.06 | DRAWN BY: ZS | C-102 |
|---|---|---|
| DATE: 08/25/17 | SCALE: 1"=40" | |
| REVISION: 0 | TAX LOT: 103.1-4-47.130 | |



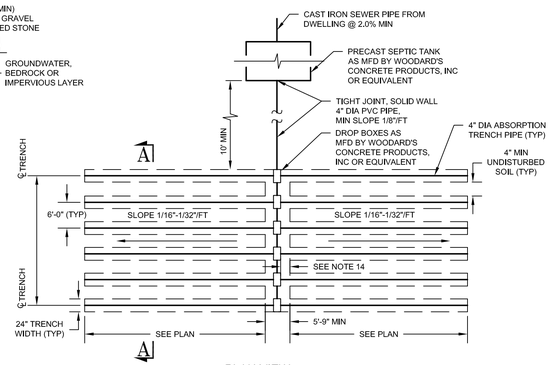

A-A TYPICAL SECTION THROUGH FIELD




TYPICAL TRENCH PROFILE




TYPICAL TRENCH SECTION



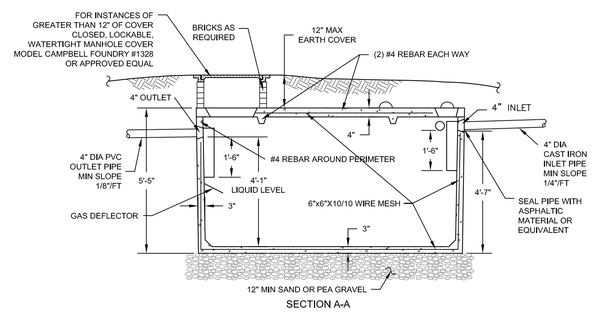

PLAN VIEW
TYPICAL DROP BOX SYSTEM

NOTES:

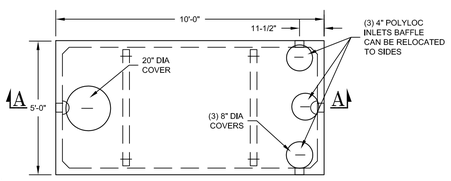
1. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE HOUSE.
2. THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
3. GARBAGE GRINDERS AND/OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS ARE NOT PERMITTED WITHOUT THE SYSTEM BEING REDESIGNED AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
4. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN THE VICINITY OF THE TILE FIELDS OR WELLS.
5. SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL ARE NOT TO BE CONSTRUCTED OVER TILE FIELDS.
6. ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK, AND ALL PIPES AND COVERS.
7. NO TRENCHES TO BE INSTALLED IN WET SOIL.
8. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
9. GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
10. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "INDIVIDUAL RESIDENTIAL WASTEWATER TREATMENT SYSTEMS, DESIGN HANDBOOK", LATEST EDITION, AND APPENDIX 75-A OF THE NEW YORK STATE DEPARTMENT OF HEALTH.
11. ABSORPTION TRENCH PIPE TO BE CAPPED AT END.
12. ABSORPTION SYSTEM TO BE LOCATED A MINIMUM DISTANCE OF 20 FEET FROM ANY DWELLING UNIT.
13. SEPTIC TANK JOINTS MUST BE SEALED AND TESTED FOR WATERTIGHTNESS.
14. PROVIDE 30" OF SOLID PIPE PRIOR TO START OF PERFORATED ABSORPTION PIPE AND BE BACKFILLED WITH NATIVE MATERIAL.
15. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE DWELLING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
16. DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
17. HEAVY EQUIPMENT SHLL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS 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 TO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON SHICH THE DESIGN WAS BASED.

## ABSORPTION TILE FIELD OVERALL PLAN

SCALE: N.T.S.




SECTION A-A

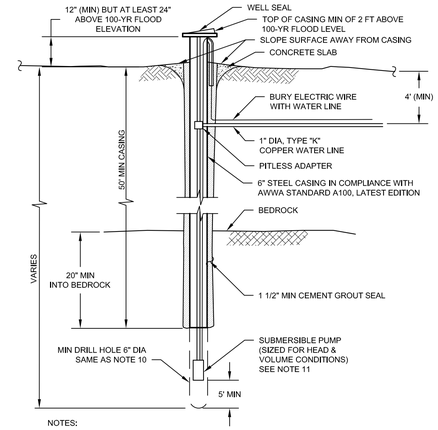



NOTES:

1. PRECAST CONC. SEPTIC TANK AS MFG. BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL ST 1250, OR APPROVED EQUAL.
2. CONCRETE - 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT - 6" x 6" x 10 GA WIRE MESH.
4. SECTIONS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT.
5. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK, OR ANY PUMPING OR DOSING CHAMBER, TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
6. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2 - 3 YEARS.

## 1250 GAL SEPTIC TANK

SCALE: NTS

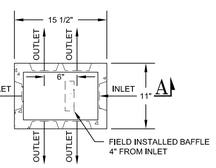



NOTES:

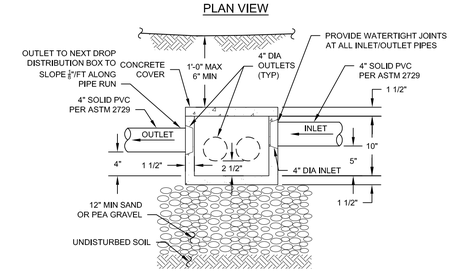
1. WELL IS TO BE CASED AND GROUTED FOR A MIN OF 50' IN LENGTH.
2. CASING SHALL EXTEND MINIMUM 20" INTO BEDROCK.
3. OVERSIZE DRILL HOLE (FOR GROUTING) TO BE 10" DIAMETER.
4. EXPECTED DEPTH OF LOAM AND SHALE OVERBURDEN = 5 - 30 FEET
5. EXPECTED DEPTH OF WATER BEARING FORMATION = 300 - 600 FEET
6. THE WELL CASING TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
7. SANITARY WELL SEAL SHALL BE MONITOR MODEL NO 6WE-1, MFG BY THE BAKER MFG CO; EVANSVILE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
8. PITLESS ADAPTOR SHALL BE MONITOR MODEL NO 8PL61U, MFG BY THE BAKER MFG CO; EVANSVIILE, WIS., OR APPROVED EQUAL AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
9. DISCHARGE PIPE : 1" MIN OF TYPE "K" COPPER WATER LINE
10. WATER SERVICE LINES UNDER PRESSURE SHALL NOT PASS CLOSER THAN 10' OF A SEPTIC TANK, TILE FIELD, OR ANY OTHER PART OF A SEWAGE DISPOSAL SYSTEM.
11. PVC PIPE WITH O-RING JOINTS ARE REQUIRED FOR SEWAGE LINES BETWEEN 25 AND 50 FEET OF ANY WELL.
12. MIN. WELL YIELD TO BE A MINIMUM OF 2 GAL PER MINUTE. ANY WELL PRODUCING BETWEEN 2-5 GPM REQUIRES 24 HOURS OF STORAGE WITHIN HOME.
13. CEMENT GROUT SHALL BE A MIXTURE OF 1 BAG CEMENT (94 LBS) AND 5 1/2 GAL OF CLEAN WATER.
14. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
15. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "RURAL WATER SUPPLY", NYS DEPT OF HEALTH, LATEST EDITION.
16. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE THE MINIMUM SEPARATION DISTANCES ARE MET.

## TYPICAL DRILLED WELL SECTION

SCALE: NTS




PLAN VIEW




NOTES:

SECTION A-A

1. DROP BOX AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. CATALOG No. DB-6DB OR APPROVED EQUAL
2. MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
3. CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION
4. SEAL ALL JOINTS AT INLET/OUTLET PIPES ASPHALTIC MATERIAL OR EQUIVALENT
5. PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS
6. UNUSED OUTLETS TO REMAIN PLUGGED
7. DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

## 6 HOLE DROP DISTRIBUTION BOX

SCALE: N.T.S.

| No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| DRAWING STATUS | ISSUE DATE: 08/25/17 | | |
|---|---|---|---|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | SHEET NUMBER | | |
| ☐ CONCEPT APPROVAL | N/A | OF | N/A |
| ☑ PLANNING BOARD APPROVAL | 4 | OF | 5 |
| ☐ UCDOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| ☐ UCDOH WATERMAIN EXTENSION APPROVAL | N/A | OF | N/A |
| ☐ NYSDEC APPROVAL | N/A | OF | N/A |
| ☐ NYSDOT APPROVAL | N/A | OF | N/A |
| ☐ OTHER | N/A | OF | N/A |
| ☐ FOR BID | N/A | OF | N/A |
| ☐ FOR CONSTRUCTION | N/A | OF | N/A |

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NEW YORK LICENSE # 071701

0 1 2 3
ORIGINAL SCALE IN INCHES

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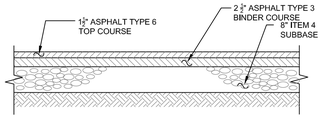
Fx: (845) 457-1899

DETAILS

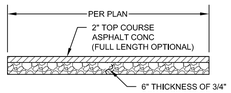
SMITH SUBDIVISION
FIRST STREET
TOWN MARLBOROUGH
ULSTER COUNTY, NEW YORK

| JOB #: 1022.06 | DRAWN BY: ML | C-301 |
|---|---|---|
| DATE: 08/25/17 | SCALE: AS SHOWN | |
| REVISION: 0 | TAX LOT: 103.1-4-47.130 | |



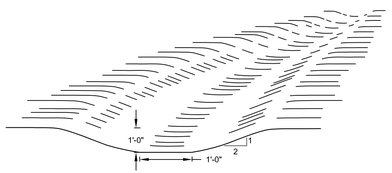

## TOWN ROADWAY PAVEMENT SECTION

SCALE: NTS




## DRIVEWAY CROSS-SECTION

SCALE: N.T.S.



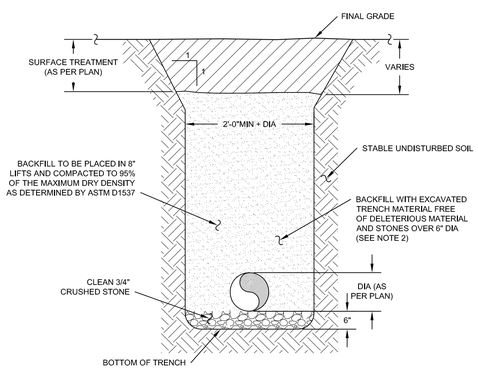

CHANNEL CROSS-SECTION

### CONSTRUCTION SPECIFICATIONS:

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
4. FILL SHALL BE COMPACTED AS NEEDED IN CONSTRUCTION TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED WATERWAY.
5. WATERWAY SHALL BE SEEDED AND STABILIZED JUTE OR EXCELSIOR MATTING UNTIL THE VEGETATION IS ESTABLISHED.

## GRASSED SWALE

SCALE: N.T.S.

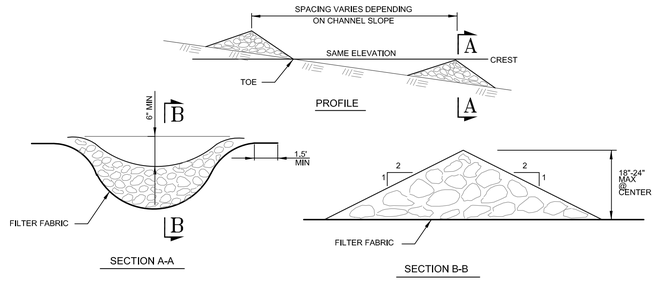



NOTES:

1. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC; SHALL BE WITH R.O.B. GRAVEL (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST.
2. ALL DRAINAGE PIPE SHALL BE HDPE WITH A SMOOTH INVERT.
3. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

## DRAINAGE PIPE TRENCH

SCALE: NTS

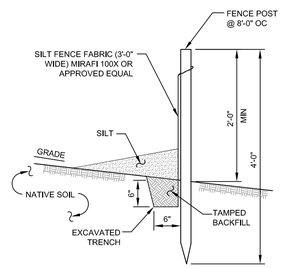



### CONSTRUCTION SPECIFICATIONS:

1. STONE SHALL BE MAXIMUM SIZE OF 6" WITH 50 TO 100 PERCENT BY WEIGHT LARGER THAN 3" AND 0 TO 10 PERCENT SMALLER THAN 1/2".
2. FILTER FABRIC SHALL BE POLY-FILTER X CLOTH AS MANUFACTURED BY CARTHAGE MILLS
3. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION AT LOCATIONS SHOWN ON THE PLAN.
4. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
5. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
6. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
7. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

## STONE CHECK DAM

SCALE: NTS

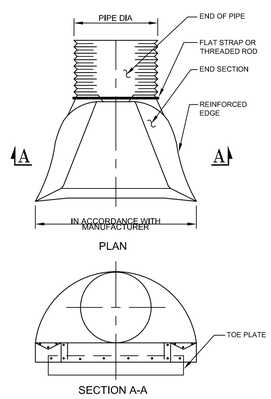



NOTES:

1. SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.
2. SILT SHALL BE REMOVED WHEN HEIGHT OF SILT EXCEEDS 1/2 OF THE EXPOSED SILT FENCE HEIGHT.

## SILT FENCE

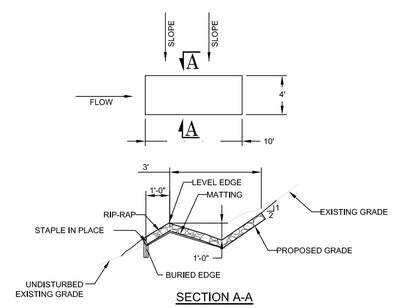
SCALE: NTS




NOTE:
RIP-RAP TO BE PROVIDED AT THE END OF THE FLARED END SECTION AS PER PLANS.

## FLARED END SECTION

SCALE: NTS




### CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4FT. WIDE EXTENDING 2'-0" OVER THE LIP AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOD AND BE SECURELY HELD IN PLACE WITH D = 6" RIP-RAP.
2. ENSURE THAT THE LIP IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE LIP SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. A 20 FOOT RIP-RAP SWALE TRANSITION SECTION WILL BE CONSTRUCTED FROM THE DIVERSION CHANNEL TO THE SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

## LEVEL FLOW DISSIPATER

SCALE: NTS

## EARTHWORK CONSTRUCTION NOTES

1. ALL WORK TO BE PERFORMED TO THE SPECIFICATIONS OF THE TOWN OF MONTGOMERY.
2. ALL TOPSOIL, ROOTS, STUMPS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM ALL ROAD, DRIVEWAY AND DWELLING CONSTRUCTION AREAS
3. ALL PROPOSED ROADWAY AREAS THAT ARE TO BE FILLED, SHALL BE FIRST PREPARED BY STRIPPING ALL TOPSOIL AND REMOVING ALL SOFT, WET OR ORGANIC SOIL THAT CANNOT BE COMPACTED BY PROOFROLLING WITH A VIBRATORY ROLLER WEIGHING AT LEAST 10 TONS. PROOFROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND SOIL WHICH CANNOT BE COMPACTED SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
4. ALL FILL FOR BIO-RETENTION FACILITY CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
5. CELLAR, ROOF AND FOOTING DRAINS SHALL DISCHARGE TO DAYLIGHT THROUGH A FREE-FLOWING OUTLET AT A MINIMUM SLOPE OF 0.5%.
6. COMPLETION OF GRADING OF THE ROAD SIDE SWALES AND/OR BIO-RENTION FACILITY INCLUDING BERMS AFTER OCTOBER 15, SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL".
7. ALL SLOPES IN EXCESS OF 3H:1V SHALL BE CONSTRUCTED WITH LOCALLY AVAILABLE GLACIAL TILL. THE EMBANKMENT FILL SHALL BE PLACED IN SIX-INCH THICK LIFTS. EACH LIFT SHALL BE PLACED AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
8. SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PERVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:

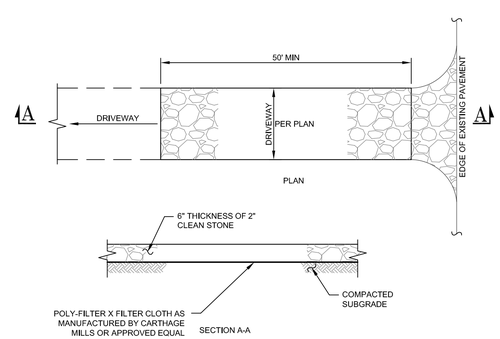
8.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL

8.B. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUB-SOILS.

8.C. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.

8.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.

8.E. VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN.




NOTES:

1. STONE SIZE - USE 2" STONE MIN, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. WIDTH - 30 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
4. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
5. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERIODIC INSPECTIONS AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

## STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS

## EROSION & SEDIMENTATION CONTROL NOTES

1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS.
2. ORANGE CONSTRUCTION FENCE LOCATIONS AROUND ALL SEPTIC SYSTEM AREAS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT THE SEPTIC AREAS. THE ORANGE CONSTRUCTION FENCING SHALL ONLY BE REMOVED AT TIME ACTUAL CONSTRUCTION OF THE SEPTIC SYSTEM.
3. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES, TEMPORARY SWALES, STONE CHECK DAMS, TEMPORARY SEDIMENT BASINS, RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION OF THE PROPOSED ROADWAY OR DWELLING UNITS.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION:
   - 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES.
   - 4.2. LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY PH OF 6.0 TO 7.0.
   - 4.3. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED FOR ESTABLISHING NEW LAWNS PER SITE SPECIFIC SOIL TEST RESULTS OR AT A RATE OF 600 LBS. PER ACRE.
   - 4.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS. CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) PER ACRE.
   - 4.5. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE:
     8 LBS EMPIRE BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER PER ACRE PLUS
     20 LBS TALL FESCUE PER ACRE PLUS
     2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE
   - 4.6. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING, UNLESS OTHERWISE APPROVED.
   - 4.7. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER, OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORMED PROMPTLY TO MAINTAIN PROPER FUNCTION. TRAPPED SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A PROTECTED AREA IN A PROPER MANNER WHICH WILL NOT RESULT IN EROSION.
6. TEMPORARY CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED AND GROUND COVER IS COMPLETELY REESTABLISHED. FOLLOWING STABILIZATION, TEMPORARY MEASURES SHALL BE REMOVED TO AVOID INTERFERENCE WITH DRAINAGE.
7. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
8. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN SUFFICIENT QUANTITIES.
9. MULCH NETTING SUCH AS PAPER, JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED. STAPLE IN PLACE, OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
10. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING LIME AND FERTILIZER AS SPECIFIED ABOVE AND SEEDING WITH THE FOLLOWING MIXTURE:

| MATERIAL | lbs./Acre |
|---|---|
| PERENNIAL RYE GRASS | 30 |
| CROWN VETCH | 12 |
| SPREADING FESCUE | 25 |

11. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15.

| No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| DRAWING STATUS | ISSUE DATE: 08/25/17 | | |
|---|---|---|---|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | SHEET NUMBER | | |
| ☐ CONCEPT APPROVAL | N/A | OF | N/A |
| ☑ PLANNING BOARD APPROVAL | 5 | OF | 5 |
| ☐ UCDOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| ☐ UCDOH WATERMAIN EXTENSION APPROVAL | N/A | OF | N/A |
| ☐ NYSDEC APPROVAL | N/A | OF | N/A |
| ☐ NYSDOT APPROVAL | N/A | OF | N/A |
| ☐ OTHER | N/A | OF | N/A |
| ☐ FOR BID | N/A | OF | N/A |
| ☐ FOR CONSTRUCTION | N/A | OF | N/A |

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