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CONSULTING ENGINEERS D.P.C.**

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**TOWN OF NEWBURGH  
PLANNING BOARD  
TECHNICAL REVIEW COMMENTS**

**PROJECT: LANDS OF FRISCHKNECHT**  
**PROJECT NO.: 15-06**  
**PROJECT LOCATION: SECTION 70, BLOCK 3, LOT 1**  
**REVIEW DATE: 30 MARCH 2016**  
**MEETING DATE: 7 APRIL 2016**  
**REPRESENTATIVE: JONATHAN CELLA, P.E.**

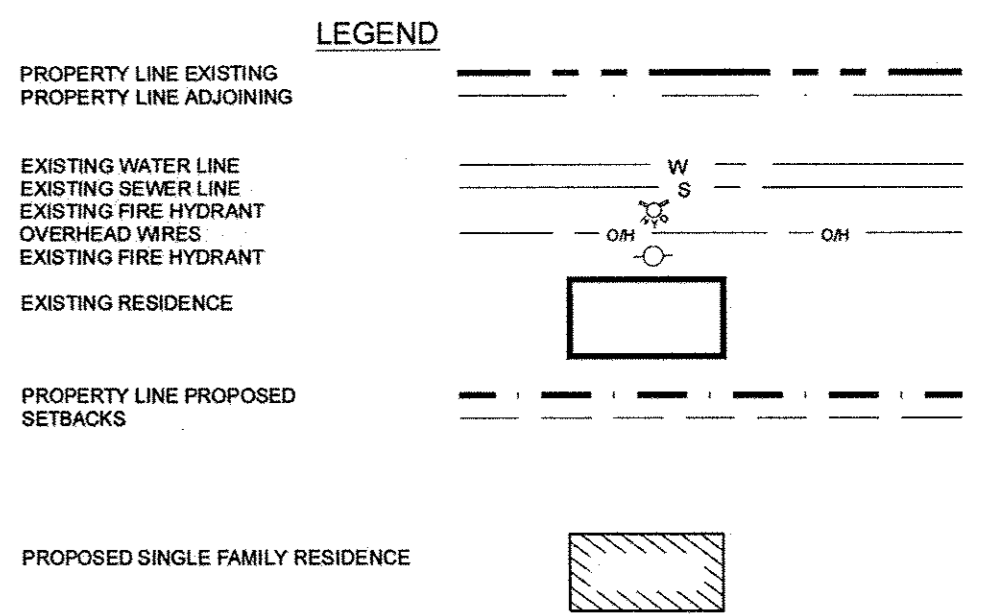
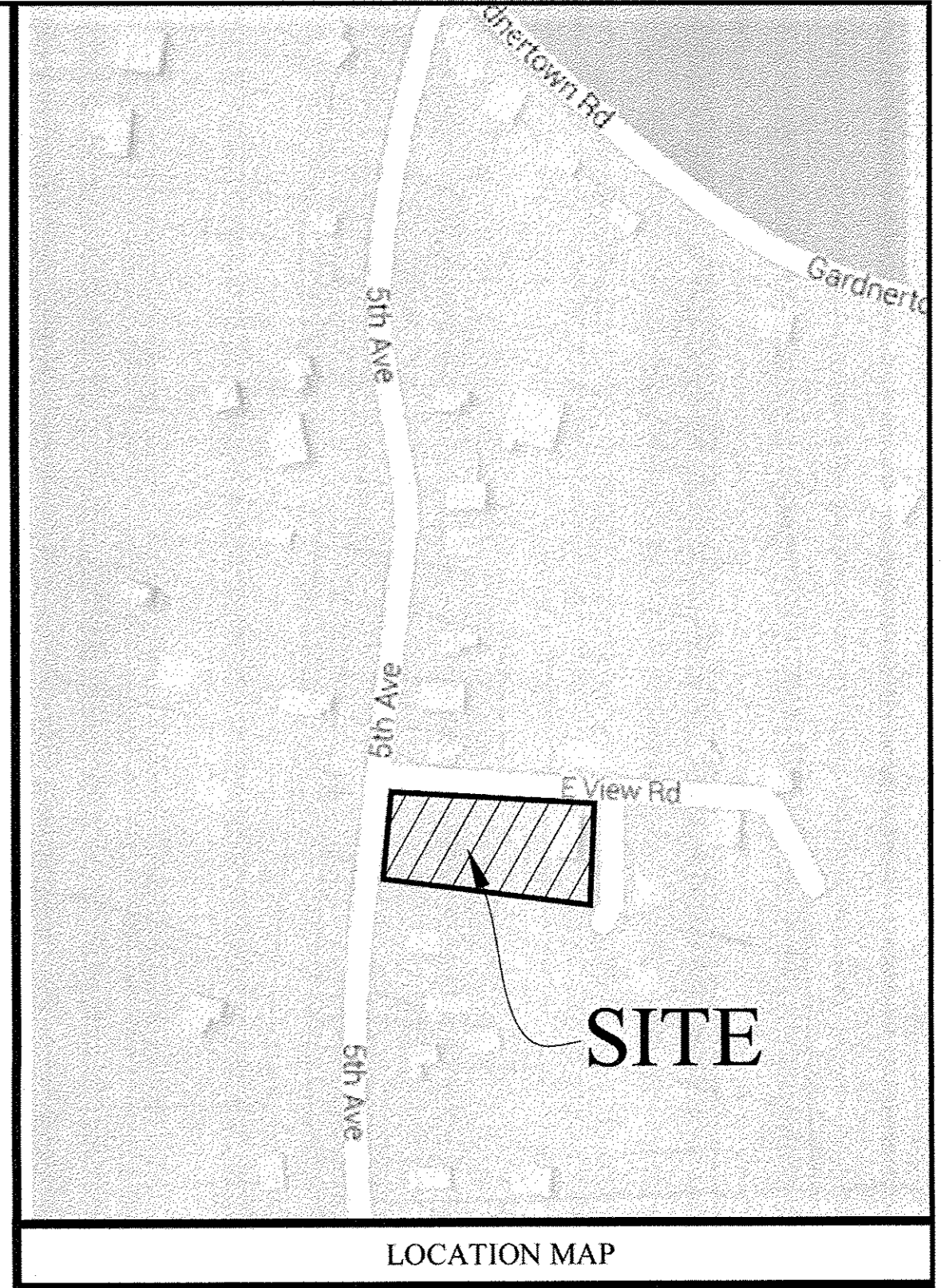
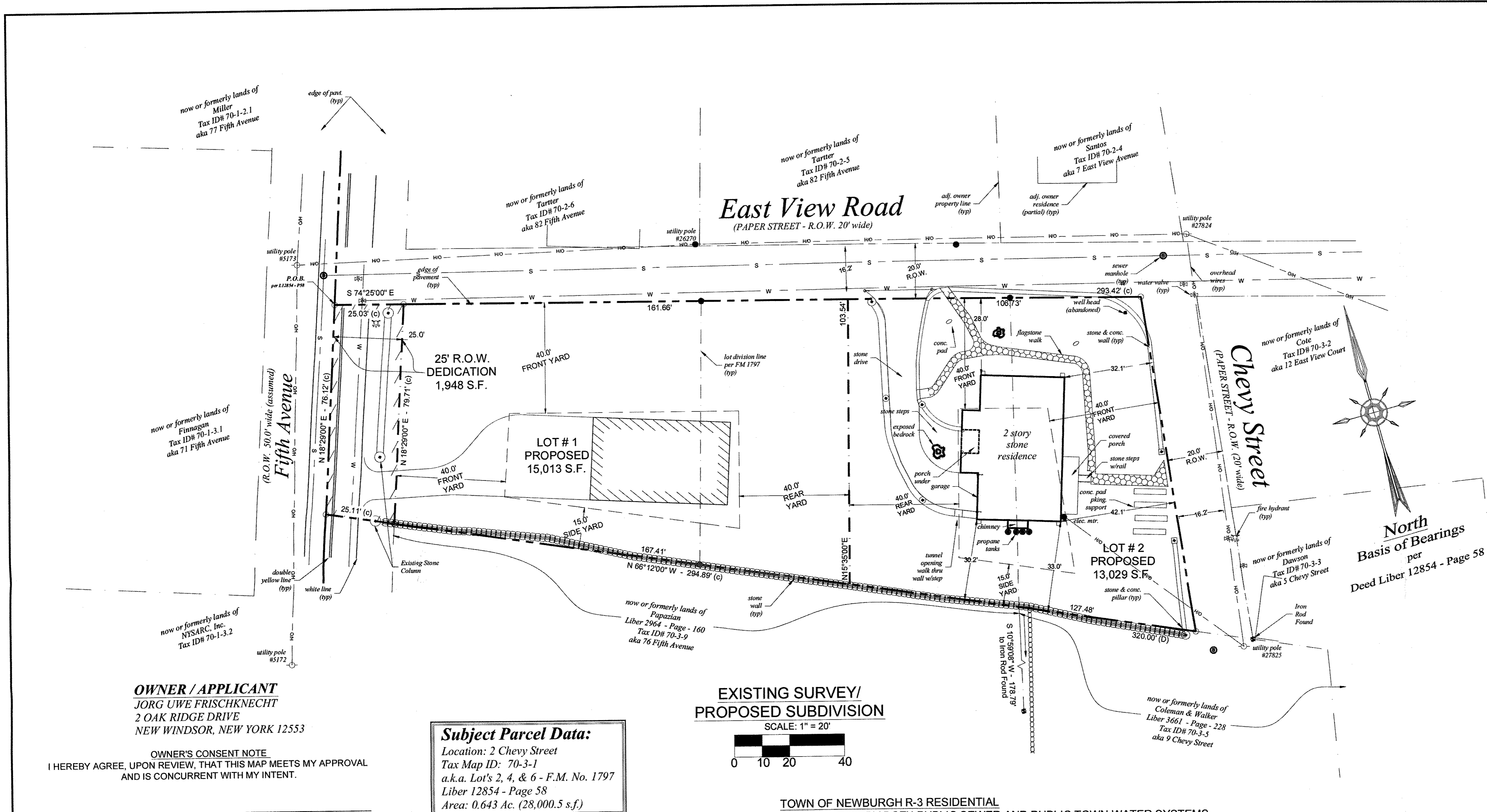
1. The Applicant's Representative has addressed our previous comments with plan revisions, submission of outside agency letters and notes added to the plans.
2. Based on information submitted this office would recommend a Negative Declaration.
3. A Public Hearing is required for the subdivision.

Respectfully submitted,

***McGoey, Hauser & Edsall  
Consulting Engineers, D.P.C.***

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Patrick J. Hines  
Principal



**SURVEYOR'S NOTES:**

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- Unauthorized alteration of an item in any way, or addition to a survey map for any person, unless acting under the direction of a licensed land surveyor, is a violation of section 7209, subdivision 2, of the New York State Education Law.
- Only boundary survey maps bearing the surveyor's embossed seal and signature are genuine true and correct copies of the surveyor's original work and opinion. Anything other than copies with an embossed seal and signature may contain unauthorized and undetectable modifications, deletions, additions, and changes, and are not to be relied upon. A copy of this document without a proper application of the surveyor's embossed seal should be assumed to be an unauthorized copy.
- Certifications on this boundary survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The certification is limited to persons for whom the boundary survey map is prepared, to the title company, to the governmental agency, and to the lending institution listed on this boundary survey map.
- The certifications herein are not transferable.
- The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.
- This survey is subject to the findings of a title report and or title search.
- Surveyed as per deeds, prior survey maps, filed maps, physical evidence and existing monumentation found at the site.
- Subject to any conditions, restrictions, covenants and/or right-of-ways/easements of record, if any.

**CERTIFICATION NOTES:**

This certification is made only to named parties for purchase and/or mortgage of herein delineated property by named purchaser. No responsibility or liability is assumed by surveyor for use of survey for any other purpose including, but not limited to, use of survey for survey affidavit, resale of property, or to any other person not listed in certification, either directly or indirectly, the setting of fences and/or any other structures in or near the property lines. This is a boundary location survey, property corners were not marked.

**SURVEYOR'S CERTIFICATION:**

I hereby certify to the hereon listed parties that this map represents the results of an actual on the ground field survey, per record description, of the land shown hereon, located at 2 Chevy Street in the Town of Newburgh, County of Orange, State of New York. Completed on 12-18-2014, performed in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc., and is to the best of my knowledge, belief and information, accurate and correct. Except as shown hereon: "there are no encroachments either way across property lines; title lines and lines of actual possession are the same".

Signature \_\_\_\_\_ Date \_\_\_\_\_

Jonathan N. Millen, L.L.S.  
196 Sara Lane - Suite 102  
Newburgh, NY 12550

**REFERENCES:**

- Tax Maps for the Town of Newburgh, Orange County, New York, Section 70 Block 3.
- Various Deeds of Record - Liber and Page as shown:
- A map entitled, "Map Of Lots Owned By John Whitehead", filed in the Orange County Clerk's Office on April 24, 1959 as Filed Map No. 1797.

THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

TOWN OF NEWBURGH PLANNING BOARD PROJECT NUMBER 15-06

**SURVEY SHEET**

**PROPOSED TWO LOT RESIDENTIAL SUBDIVISION**  
FOR:  
JORG UWE FRISCHKNECHT  
2 CHEVY LANE (S/B/L: 70-3-1)  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK

JONATHAN CELLA, P.E.  
51 HUNT ROAD  
WALLKILL, NEW YORK 12589  
(845) 741-0363  
jonathancell@att.net

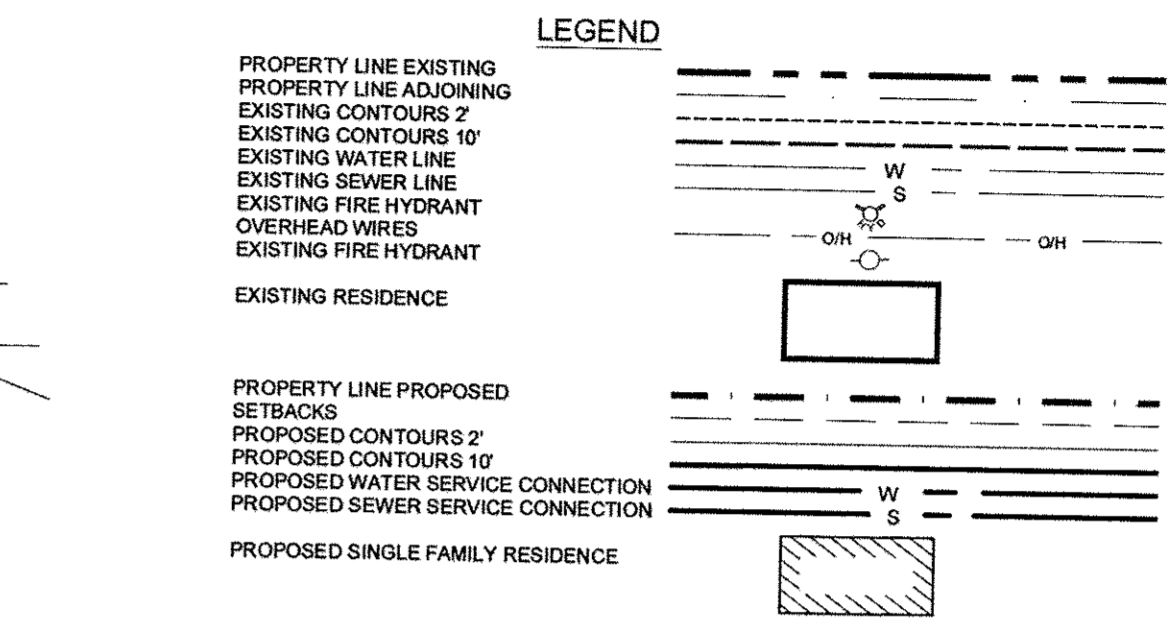
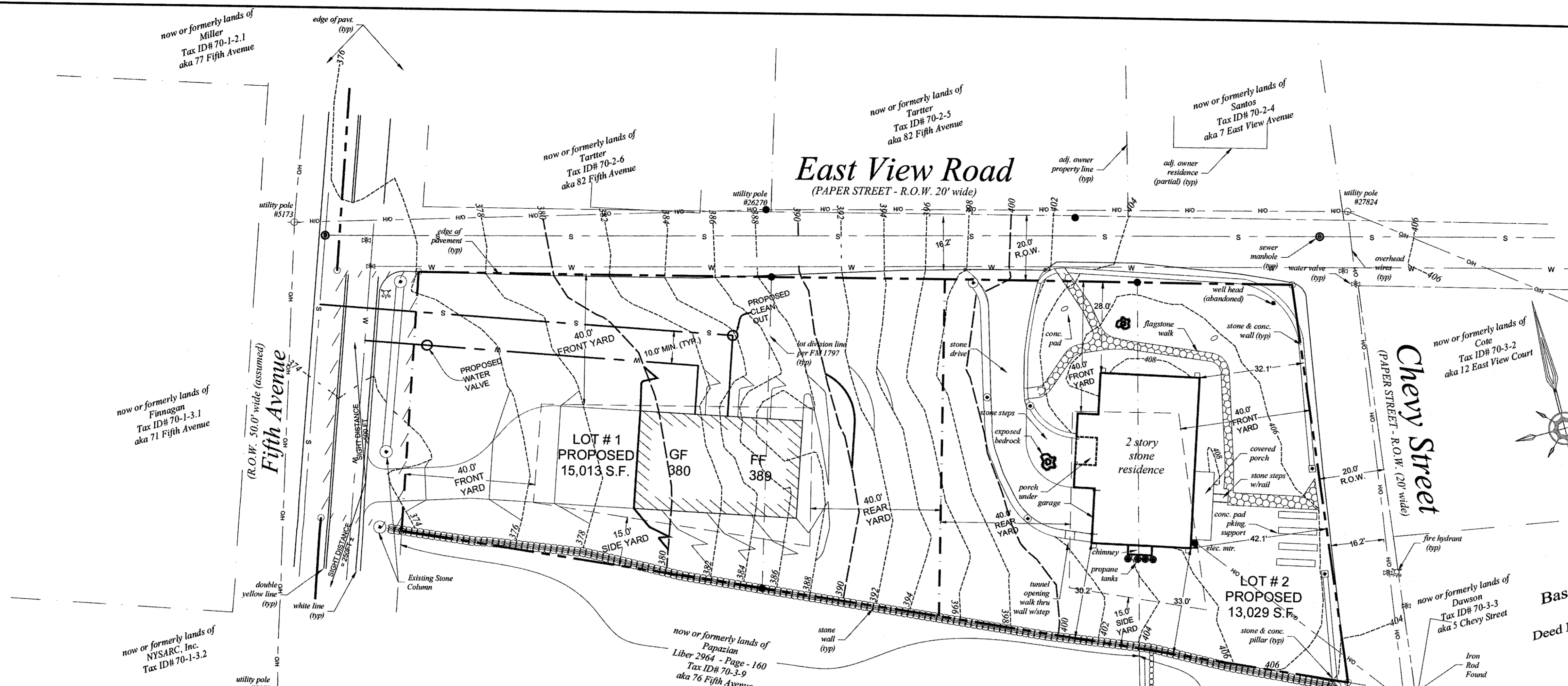
DATE: 01/26/2015  
SCALE: AS NOTED

DRAWN BY: JC  
SHEET NO.: 1 OF 3

03/09/2015: FOR PLANNING BOARD SUBMISSION  
06/22/2015: ADDED SIGHT DISTANCE  
03/25/2016: FOR PLANNING BOARD RESUBMISSION

JONATHAN MILLEN, P.L.S.  
N.Y.S. P.E. LIC. NO. 050746

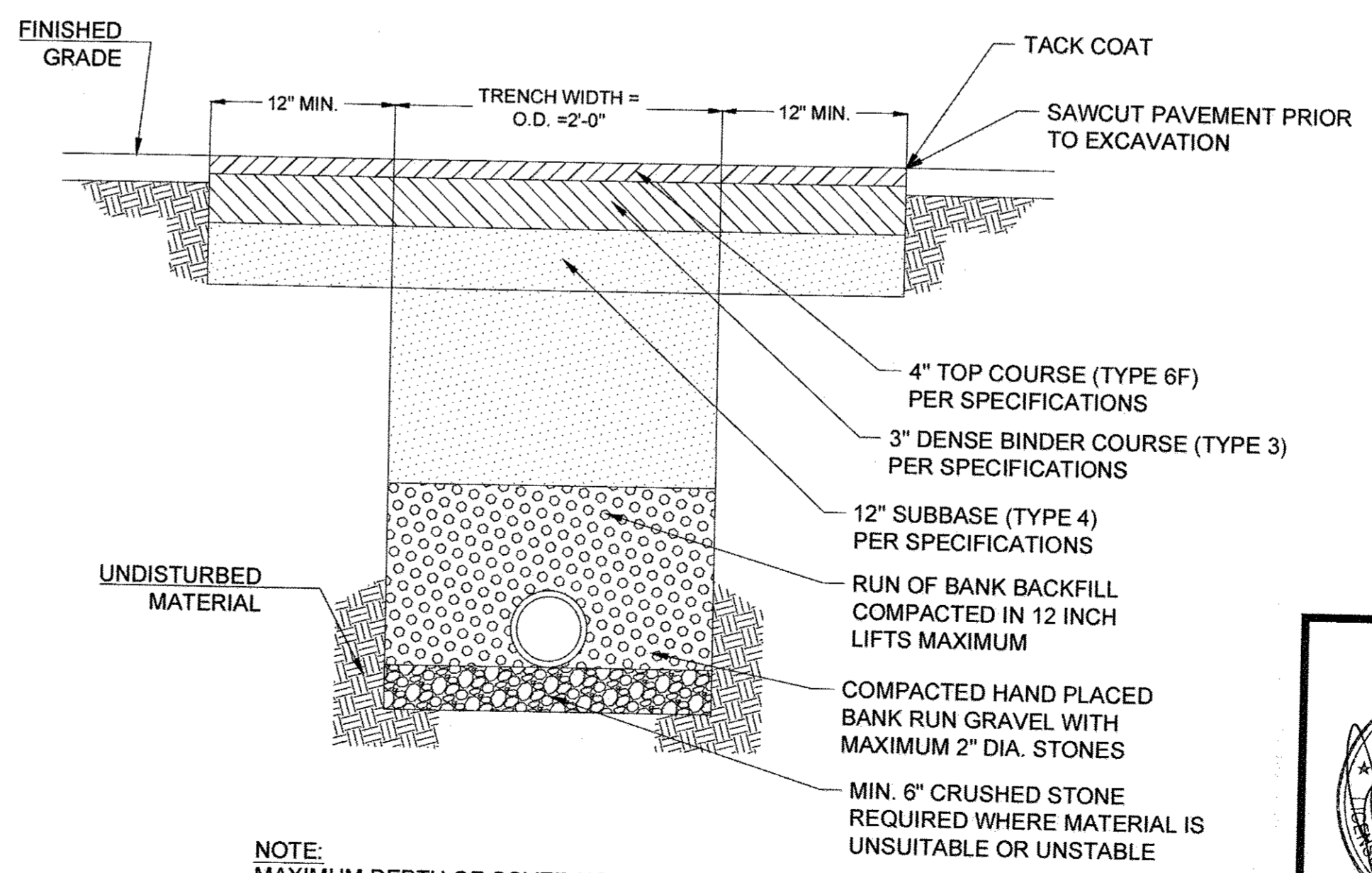
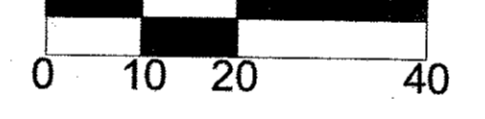
JONATHAN CELLA, P.E.  
N.Y.S. P.E. LIC. NO. 085069



North  
Basis of Bearings  
per  
Deed Liber 12854 - Page 58

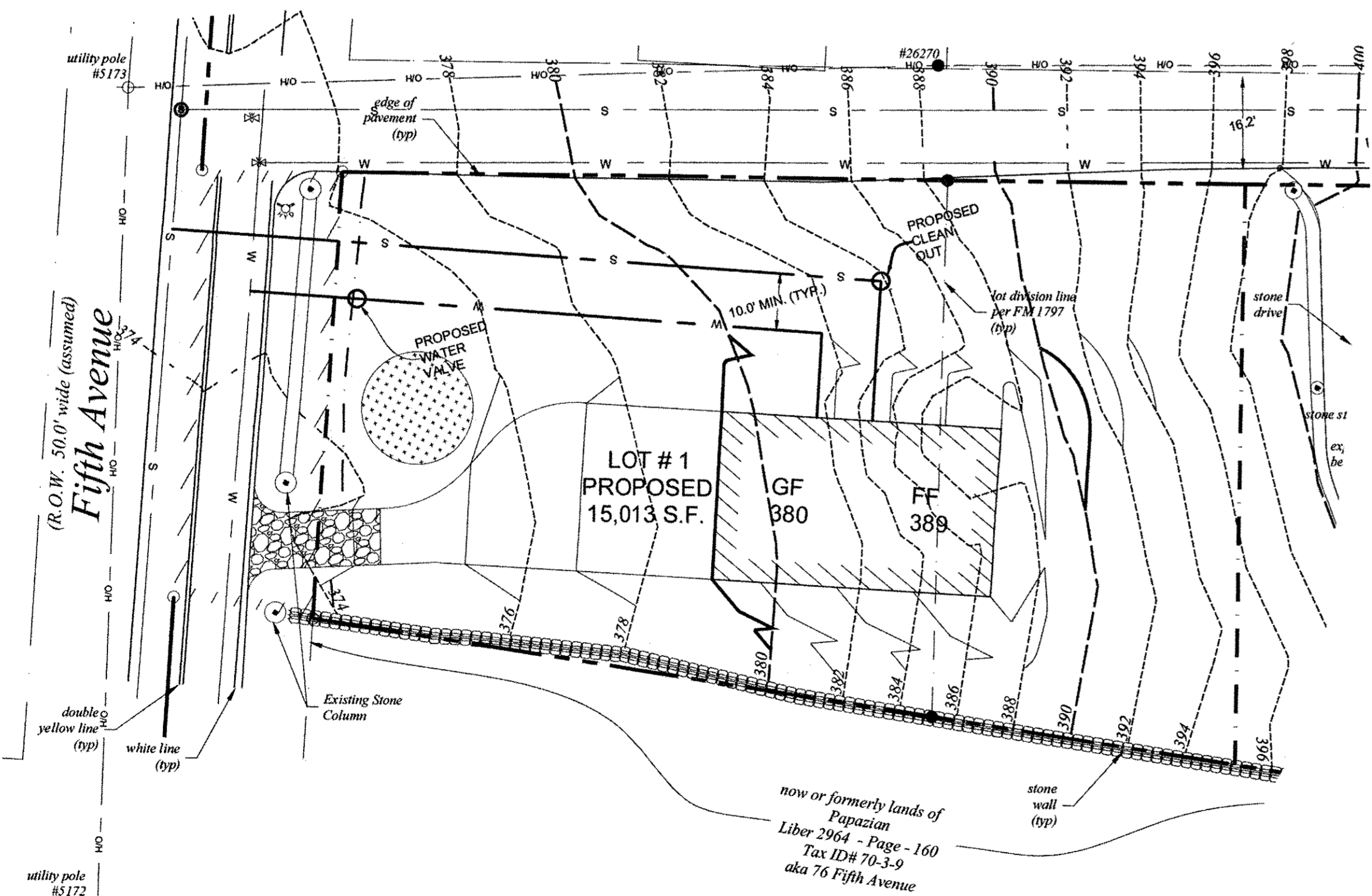
- NOTES**
1. ALL ADJOINING LOTS ON FIFTH AVENUE, EAST VIEW ROAD, AND CHEVY STREET ARE SERVICED BY TOWN WATER AND SEWER.
  2. THE PROPOSED DEVELOPMENT IS CONSTRUCTION OF SINGLE FAMILY RESIDENCES AND WILL ONLY DISTURB 15,000 S.F. ±, AND THEREFORE AN EROSION AND SEDIMENTATION CONTROL PLAN SERVES AS THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT.
  3. ANY EXISTING ROCK ON LOT # 1 OF THIS SUBDIVISION WILL BE MECHANICALLY REMOVED.
  4. IF BLASTING IS REQUIRED FOR REMOVAL ANY ROCK AN AN ADDITIONAL PERMIT FOR SUCH WILL BE OBTAINED FROM THE TOWN F NEWBURGH CODE COMPLIANCE DEPARTMENT.

**PROPOSED UTILITY AND GRADING PLAN**  
SCALE: 1" = 20'

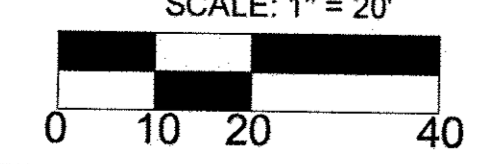


**NOTE:**  
MAXIMUM DEPTH OF COVER NOT TO EXCEED 6' WITHOUT APPROVAL OF THE TOWN WATER SUPERINTENDENT.

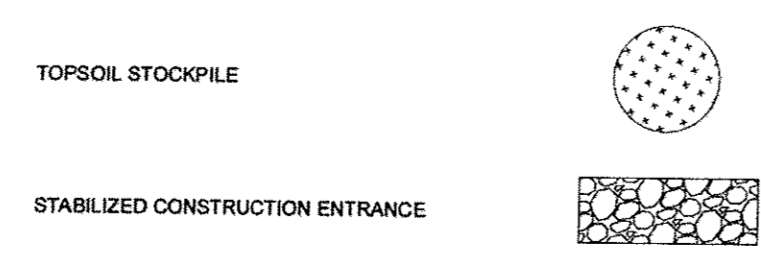
**BACKFILL AND PAVEMENT RESTORATION**  
NOT TO SCALE



**LOT # 1 EROSION AND SEDIMENTATION CONTROL PLAN**  
SCALE: 1" = 20'



**EROSION AND SEDIMENTATION CONTROL PLAN LEGEND**



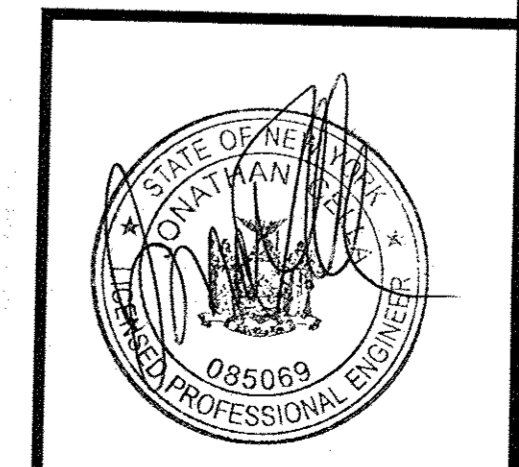
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TOWN OF NEWBURGH PLANNING BOARD PROJECT NUMBER 15-06

**PROPOSED UTILITY AND GRADING PLAN**  
**PROPOSED TWO LOT RESIDENTIAL SUBDIVISION**  
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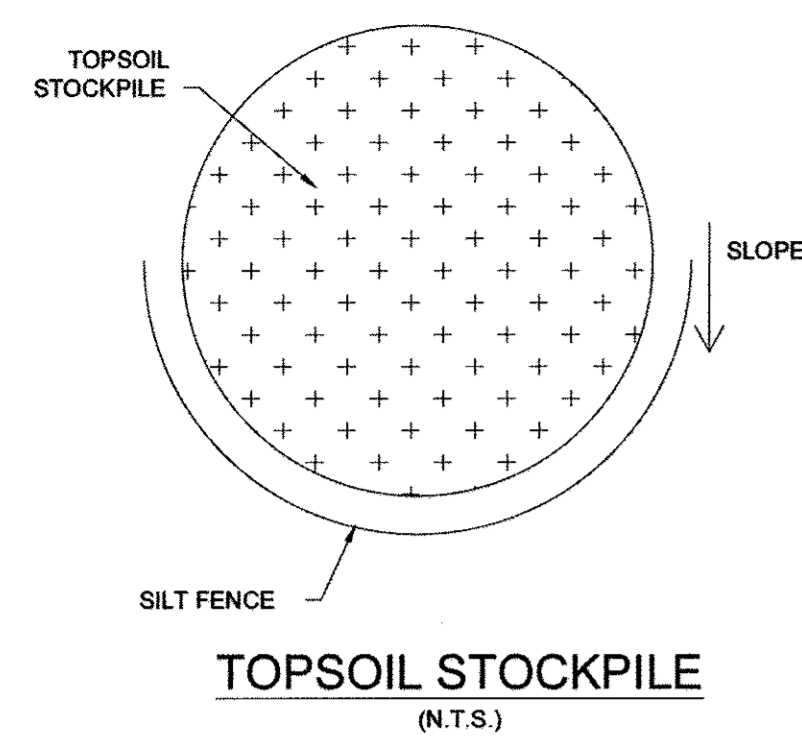
JONATHAN CELLA, P.E.  
51 HUNT ROAD

DATE: 01/26/2015	WALKKILL, NEWYORK 12589 (845) 741-008 jonathancellag@icloud.com	DRAWN BY: JC
SCALE: AS NOTED		SHEET NO.: 2 OF 3

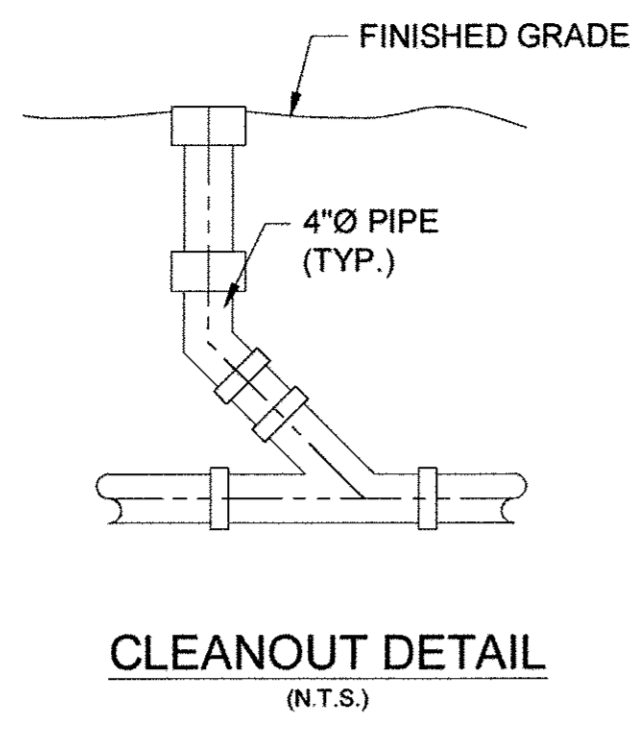
03 /09/2015: FOR PLANNING BOARD SUBMISSION  
06/22/ 2015: ADDED SIGHT DISTANCE  
11/05/ 2015: PER ZBA APPROVAL  
03/25/ 2016: FOR PLANNING BOARD RESUBMISSION



JONATHAN CELLA, P.E.  
N.Y.S. P.E. LIC. NO. 085069

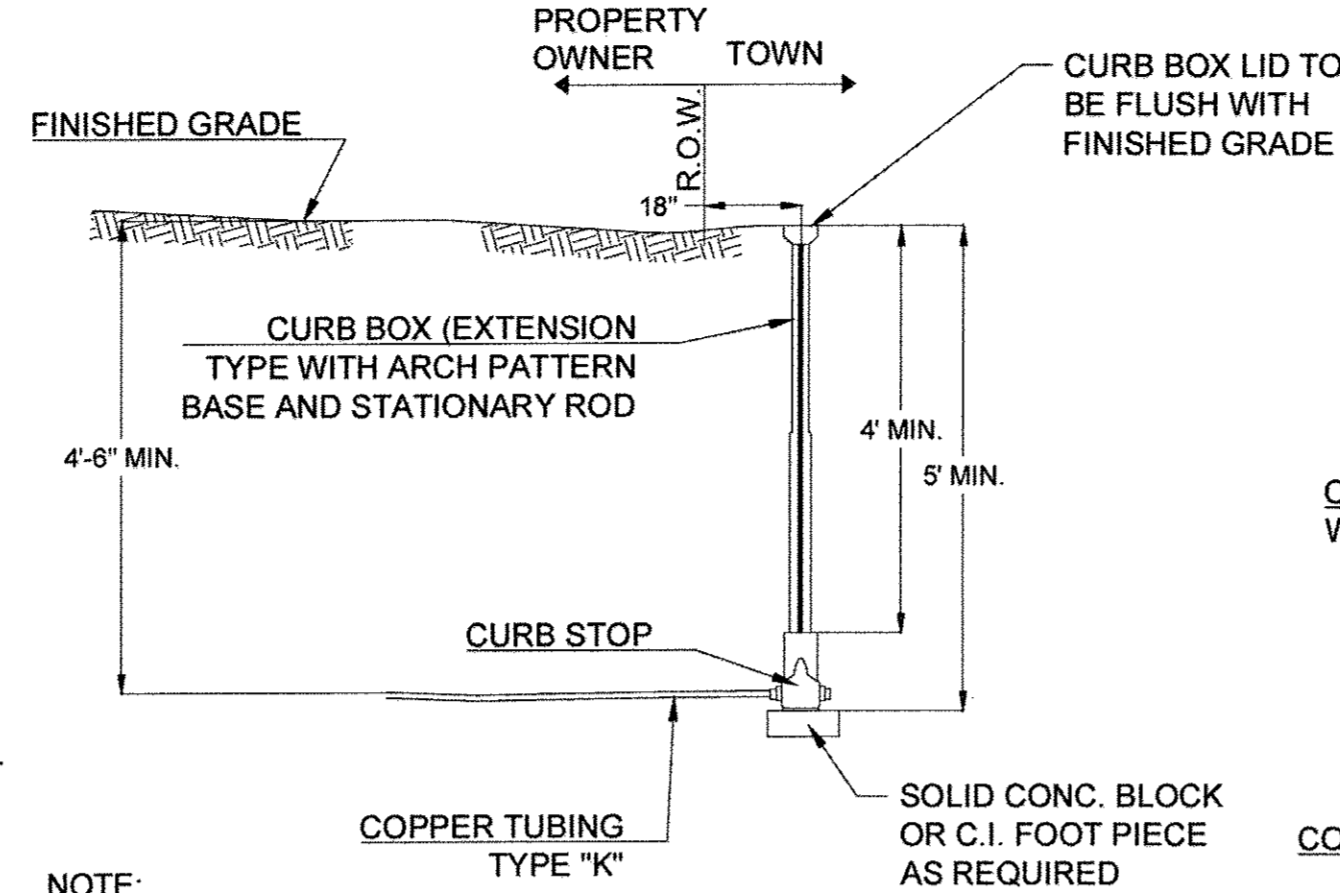


**TOPSOIL STOCKPILE**  
(N.T.S.)



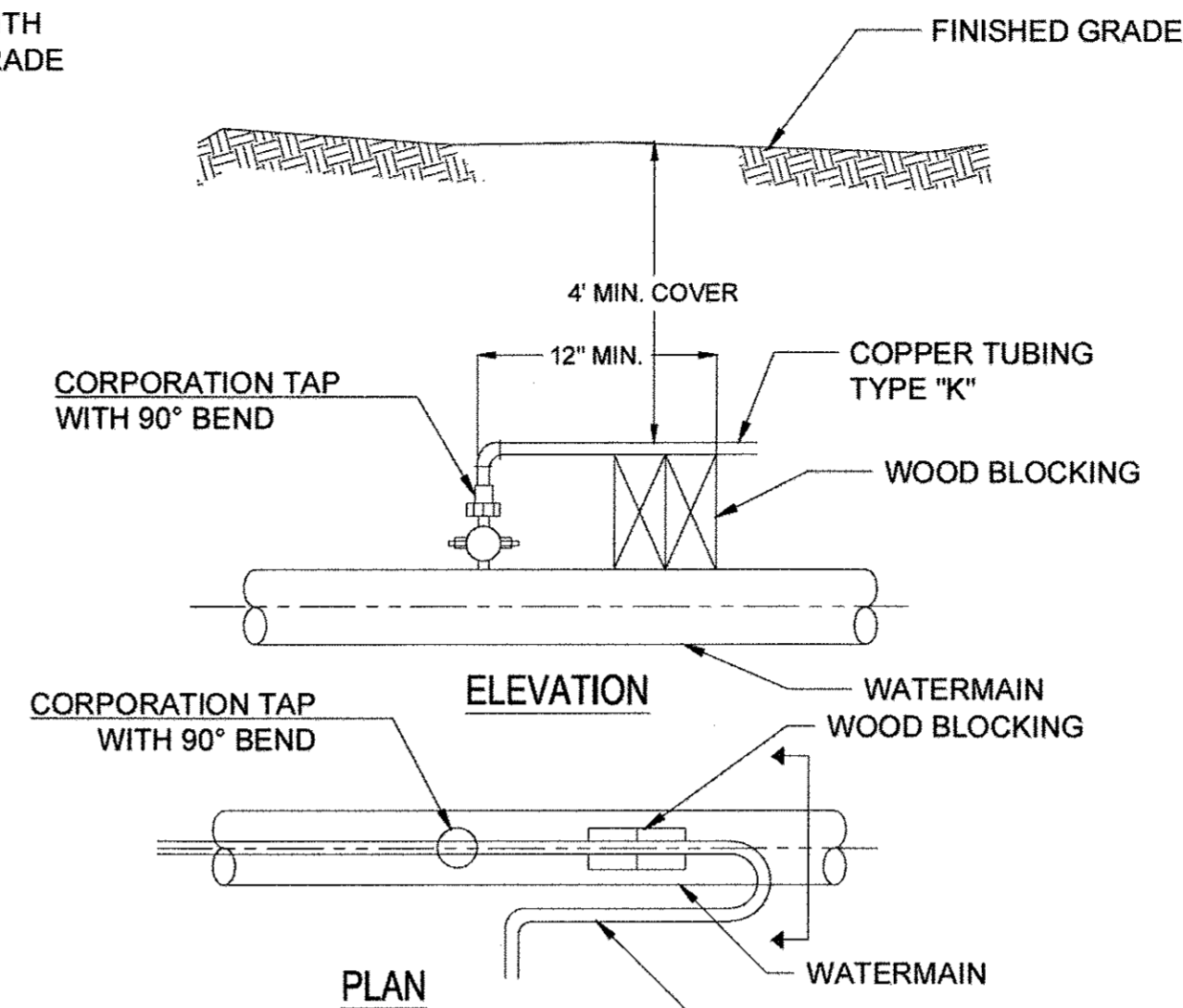
**CLEANOUT DETAIL**  
(N.T.S.)

CLEANOUTS SHALL BE INSTALLED BEFORE ALL PIPE BENDS BETWEEN THE SEPTIC TANK AND DISTRIBUTION BOX AND OR AT EVERY 75' OF STRAIGHT PIPE. CLEANOUTS SHALL NOT BE USED WITH PUMP CHAMBERS.



**WATER SERVICE CURB BOX**  
NOT TO SCALE

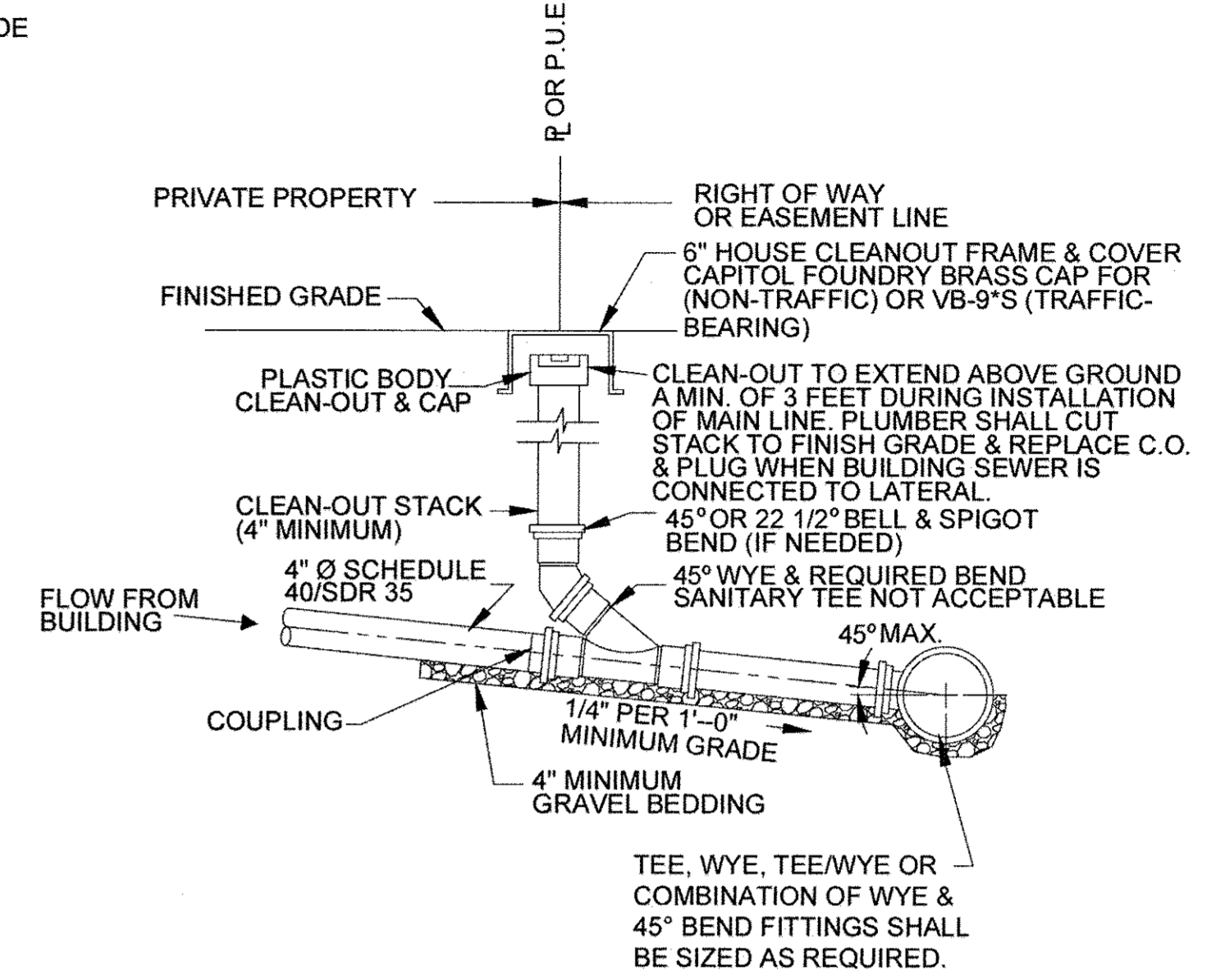
NOTE: PROPOSED LOCATION OF CURB BOXES TO BE FIELD LOCATED (STAKED) AND APPROVED BY WATER SUPERINTENDENT PRIOR TO INSTALLATION.



**SECTION WATER SERVICE TAP**  
NOT TO SCALE

TOWN OF NEWBURGH WATER SYSTEM NOTES

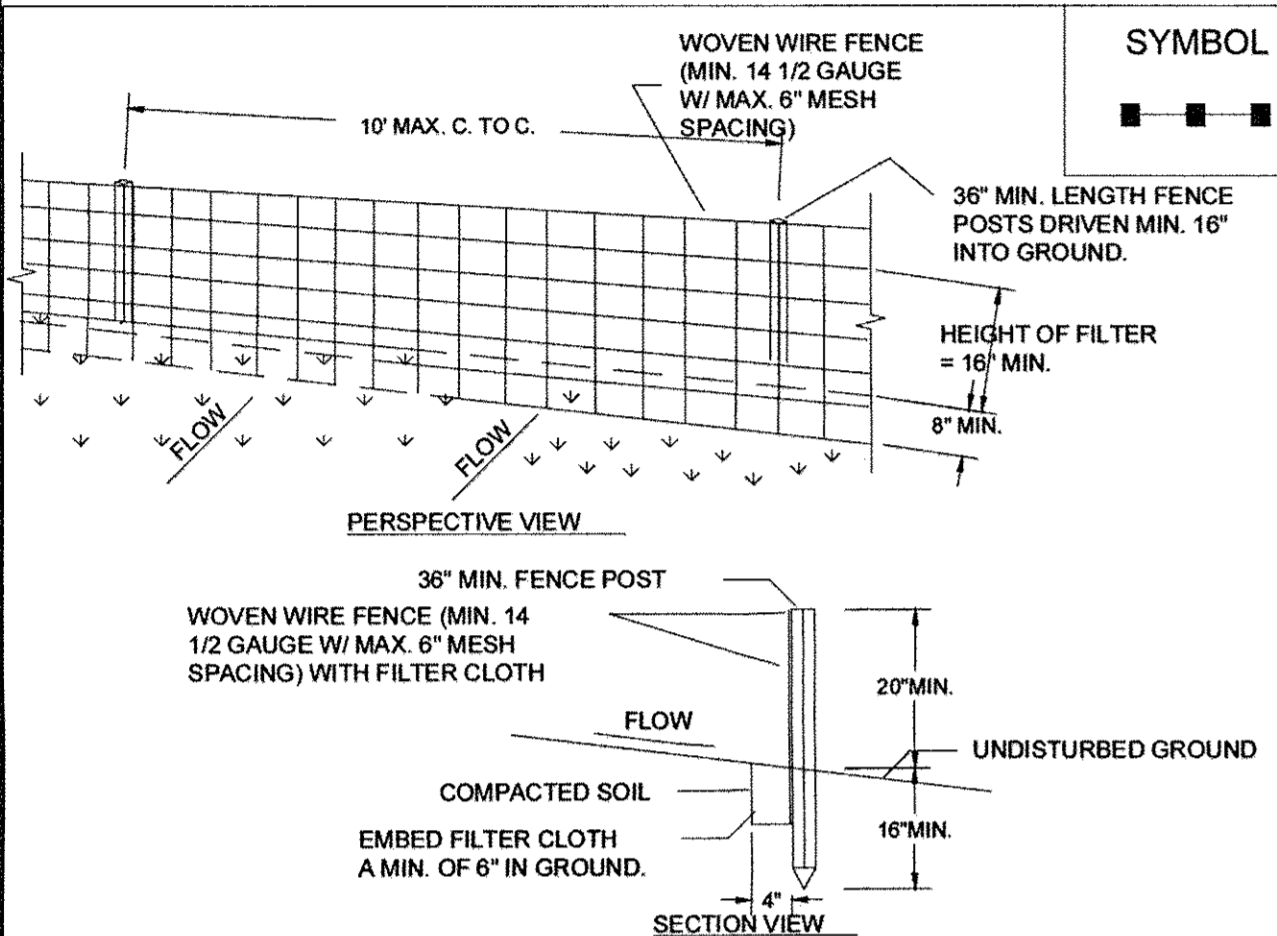
- "CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH WATER DEPARTMENT. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDOH AND THE TOWN OF NEWBURGH."
- ALL WATER SERVICE LINES FOUR (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED CLASS 52 DUCTILE IRON PIPE CONFORMING TO ANSIAWWA C151A21.51 FOR DUCTILE IRON PIPE, LATEST REVISION. JOINTS SHALL BE EITHER PUSH-ON OR MECHANICAL JOINTS AS REQUIRED.
- THRUST RESTRAINT OF THE PIPE SHALL BE THROUGH THE USE OF JOINT RESTRAINT. THRUST BLOCKS ARE NOT ACCEPTABLE. JOINT RESTRAINT SHALL BE THROUGH THE USE OF MECHANICAL JOINT PIPE WITH RETAINER GLANDS FOR JOINT RESTRAINT. RETAINER GLANDS SHALL BE EBBA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL. THE USE OF A MANUFACTURED, RESTRAINED JOINT PIPE IS ACCEPTABLE WITH PRIOR APPROVAL OF THE WATER DEPARTMENT.
- ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSIAWWA C110A21.10 FOR DUCTILE AND GRAY IRON FITTINGS OR ANSIAWWA C153A21.53 FOR DUCTILE IRON COMPACT FITTINGS, LATEST REVISION.
- ALL VALVES 4 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSIAWWA C509 SUCH AS MUELLER MODEL A-2360-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTERCLOCKWISE).
- TAPPING SLEEVE SHALL BE MECHANICAL JOINT SUCH AS MUELLER H-615 OR EQUAL. TAPPING VALVES 4 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANSIAWWA C509 SUCH AS MUELLER MODEL T-2360-19 OR APPROVED EQUAL. ALL TAPPING SLEEVES AND VALVES SHALL BE TESTED TO 150 PSI MINIMUM; TESTING OF THE TAPPING SLEEVE AND VALVE MUST BE WITNESSED AND ACCEPTED BY THE TOWN OF NEWBURGH WATER DEPARTMENT PRIOR TO CUTTING INTO THE PIPE.
- ALL HYDRANTS SHALL BE CLOW-EDDY F-2640 CONFORMING TO AWWA STANDARD C-502, LATEST REVISION. ALL HYDRANTS SHALL INCLUDE A 5-1/4 INCH MAIN VALVE OPENING, TWO 2-1/2 INCH DIAMETER NPT HOSE NOZZLES, ONE 4 INCH NPT STEAMER NOZZLE, A 6 INCH DIAMETER INLET CONNECTION AND A 1-1/2 INCH PENTAGON OPERATING NUT. ALL HYDRANTS SHALL OPEN LEFT (COUNTER-CLOCKWISE). HYDRANTS ON MAINS TO BE DEDICATED TO THE TOWN SHALL BE EQUIPMENT YELLOW. HYDRANTS LOCATED ON PRIVATE PROPERTY SHALL BE RED.
- ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION STOPS SHALL BE MUELLER H-15020N FOR 3/4 AND 1 INCH, MUELLER H-15000N OR B-25000N FOR 1-1/2 AND 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1502-2N FOR 3/4 AND 1 INCH AND MUELLER B-25204N FOR 1-1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10314N FOR 3/4 AND 1 INCH AND MUELLER H-10310N FOR 1-1/2 AND 2 INCH SIZES.
- ALL PIPE INSTALLATION SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF NEWBURGH WATER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT.
- THE WATER MAIN SHALL BE TESTED, DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING, DISINFECTION, AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT. PRIOR TO PUTTING THE WATER MAIN IN SERVICE SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF NEWBURGH WATER DEPARTMENT. THE TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.
- THE FINAL LAYOUT OF THE PROPOSED WATER AND/OR SEWER CONNECTION, INCLUDING ALL MATERIAL, SIZE AND LOCATION OF SERVICE AND ALL APPURTENANCES, IS SUBJECT TO THE REVIEW AND APPROVAL OF THE TOWN OF NEWBURGH WATER AND/OR SEWER DEPARTMENT. NO PERMITS SHALL BE ISSUED FOR A WATER AND/OR SEWER CONNECTION UNTIL A FINAL LAYOUT IS APPROVED BY THE RESPECTIVE DEPARTMENT.



**BUILDING SEWER SERVICE CONNECTION**  
NOT TO SCALE

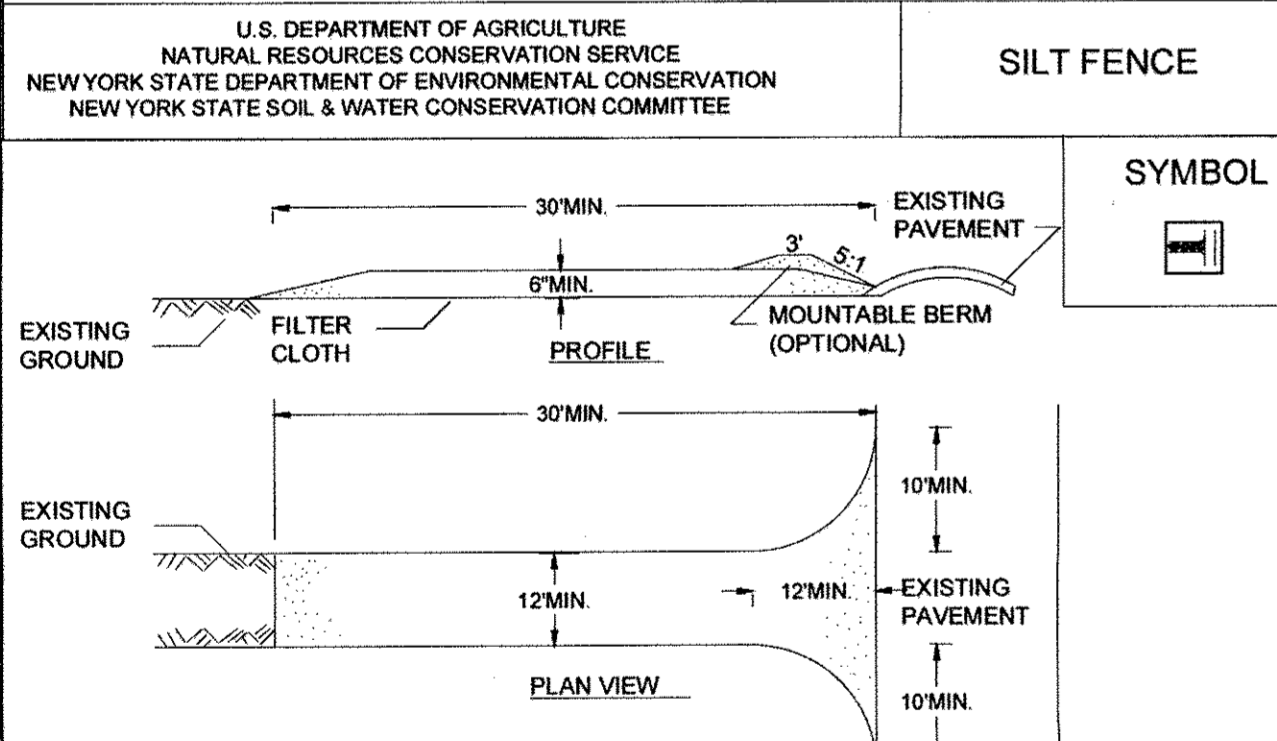
TOWN OF NEWBURGH SEWER SYSTEM NOTES

- "CONSTRUCTION OF SANITARY SEWER FACILITIES AND CONNECTION TO THE TOWN OF NEWBURGH SANITARY SEWER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH SEWER DEPARTMENT. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDEC AND THE TOWN OF NEWBURGH."
- ALL SEWER PIPE INSTALLATION SHALL BE SUBJECT TO THE INSPECTION BY THE TOWN OF NEWBURGH SEWER DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.
- ALL GRAVITY SEWER SERVICE LINES SHALL BE 4 INCHES IN DIAMETER OR LARGER AND SHALL BE SDR 35 PVC PIPE CONFORMING TO ASTM D-3034-89. JOINTS SHALL BE PUSH-ON WITH ELASTOMERIC RING GASKET CONFORMING TO ASTM D-3212. FITTINGS SHALL BE AS MANUFACTURED BY THE PIPE SUPPLIER OR EQUAL AND SHALL HAVE A BELL AND SPIGOT CONFIGURATION COMPATIBLE WITH THE PIPE.
- THE SEWER MAIN SHALL BE TESTED IN ACCORDANCE WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT. ALL TESTING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.
- THE FINAL LAYOUT OF THE PROPOSED WATER AND/OR SEWER CONNECTION, INCLUDING ALL MATERIALS, SIZE AND LOCATION OF SERVICE AND ALL APPURTENANCES, IS SUBJECT TO THE REVIEW AND APPROVAL OF THE TOWN OF NEWBURGH AND/OR SEWER DEPARTMENT. NO PERMITS SHALL BE ISSUED FOR A WATER AND/OR SEWER CONNECTION UNTIL A FINAL LAYOUT IS APPROVED BY THE RESPECTIVE DEPARTMENT.



**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- 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, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- 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 TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

**STABILIZED CONSTRUCTION ENTRANCE**

THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

TOWN OF NEWBURGH PLANNING BOARD PROJECT NUMBER 15-06

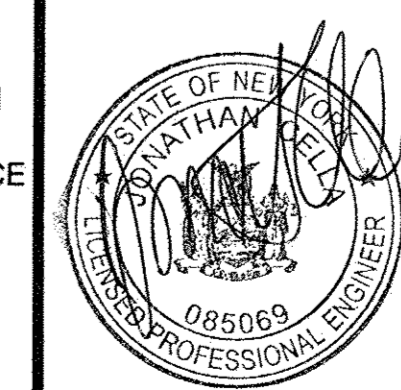
**DETAILS AND NOTES**

PROPOSED TWO LOT RESIDENTIAL SUBDIVISION  
FOR:  
JORG UWE FRISCHKNECHT  
2 CHEVY LANE (S/B/L: 70-3-1)  
TOWN OF NEWBURGH  
ORANGE COUNTY, NEW YORK

JONATHAN CELLA, P.E.  
51 HUNT ROAD

DATE: 01/26/2015  
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SHEET NO.: 3 OF 3

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