

## TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT NAME: GARDNER RIDGE

PROJECT NO.: 2002-29

PROJECT LOCATION: GARDNERTOWN ROAD NEAR GIDNEY AVENUE

SECTION 75, BLOCK 1, LOT 4.12

REVIEW DATE: 9 SEPTEMBER 2022
MEETING DATE: 15 SEPTEMBER 2022

PROJECT REPRESENTATIVE: THOMAS B. OLLEY, P.E., P.L.L.C.

- 1. Highway Superintendent's comments on revised plans should be received. The applicant's representative have identified that the plans have been revised to address his comments. Plans should be sent to the Highway Superintendent for review.
- 2. A revised SWPPP has been received and is under review by this office.
- 3. A revised Rock Removal Plan has been submitted dated June 2022. This plan has identified a significant reduction (3 acres to 1.6 acre) in the amount of area proposed for rock removal.
- 4. The applicants representative are requested to provide a narrative of the hydraulic loading calculations to the sanitary sewer collection system. This narrative will be submitted under a cover letter through the City of Newburgh for the required Flow Acceptance Letter.
- 5. Health Department approval for the proposed potable water system is required as the project will be considered a water main extension with hydrants.
- 6. The Town of Newburgh Town Board approval for the senior density bonus must be updated.
- 7. Highway Superintendent and Town Board approval for re-alignment of Creek Run Road should be addressed.
- 8. The applicants are requested to discuss provisions for emergency back-up generators for the senior apartment use.
- 9. A proposed bioretention area is located between the existing Creek Run Road and proposed Creek Run Road in the Town right of way. Operation and maintenance of this should be identified. The responsibility for the operation and maintenance should be identified.
- 10. Outlets from proposed bioretention areas should be depicted on plans. Bioretention areas are depicted in detail as having under drains.

Gardner Ridge (2-29) 15 September 2022

11. Mechanism to limit the depth within bioretention areas to the maximum 6inch depth should be addressed.

- 12. An access road detail is depicted for operation and maintenance of the Stormwater Management Facilities. Location of these access roads should be depicted on the plans.
- 13. All Stormwater Facilities which contain standing water must be fenced in accordance with Town Code. Fencing should be depicted in plan in detail.
- 14. The applicants should discuss the status of the SEQRA review and determinations for this project. A revised EAF dated 5 June 2022 has been submitted. It is noted the revised EAF is not signed.

Respectfully submitted,

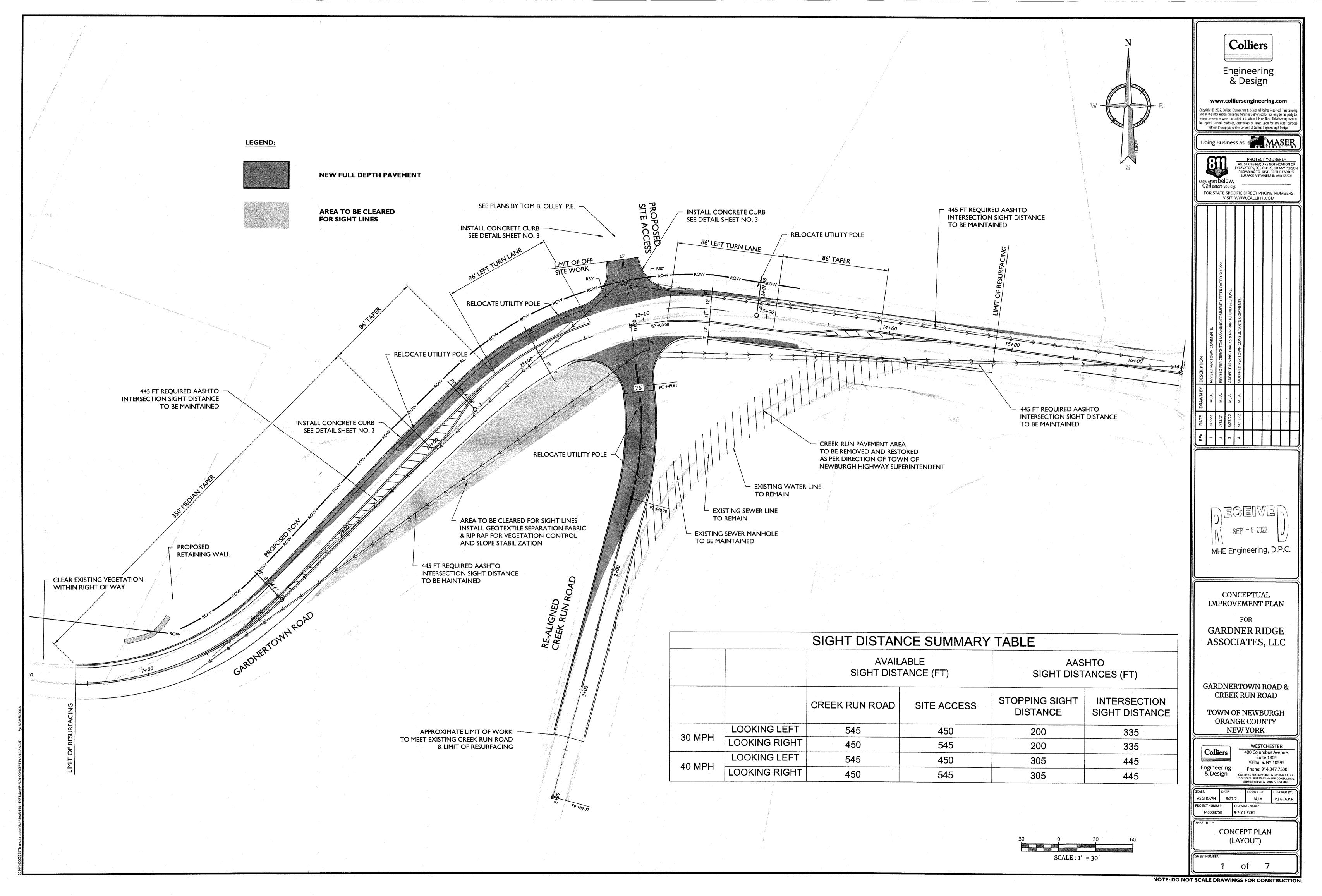
MHE Engineering, D.P.C.

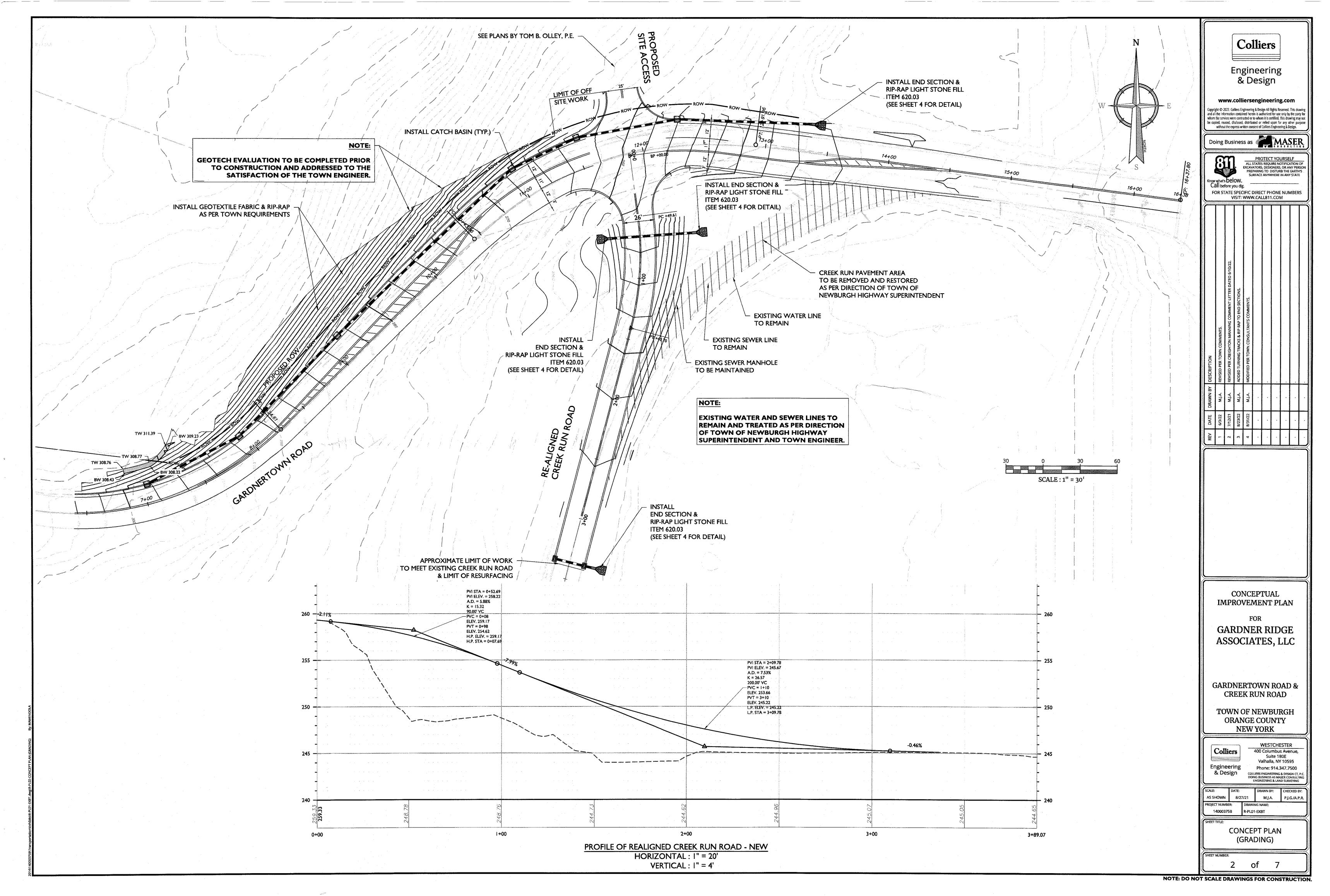
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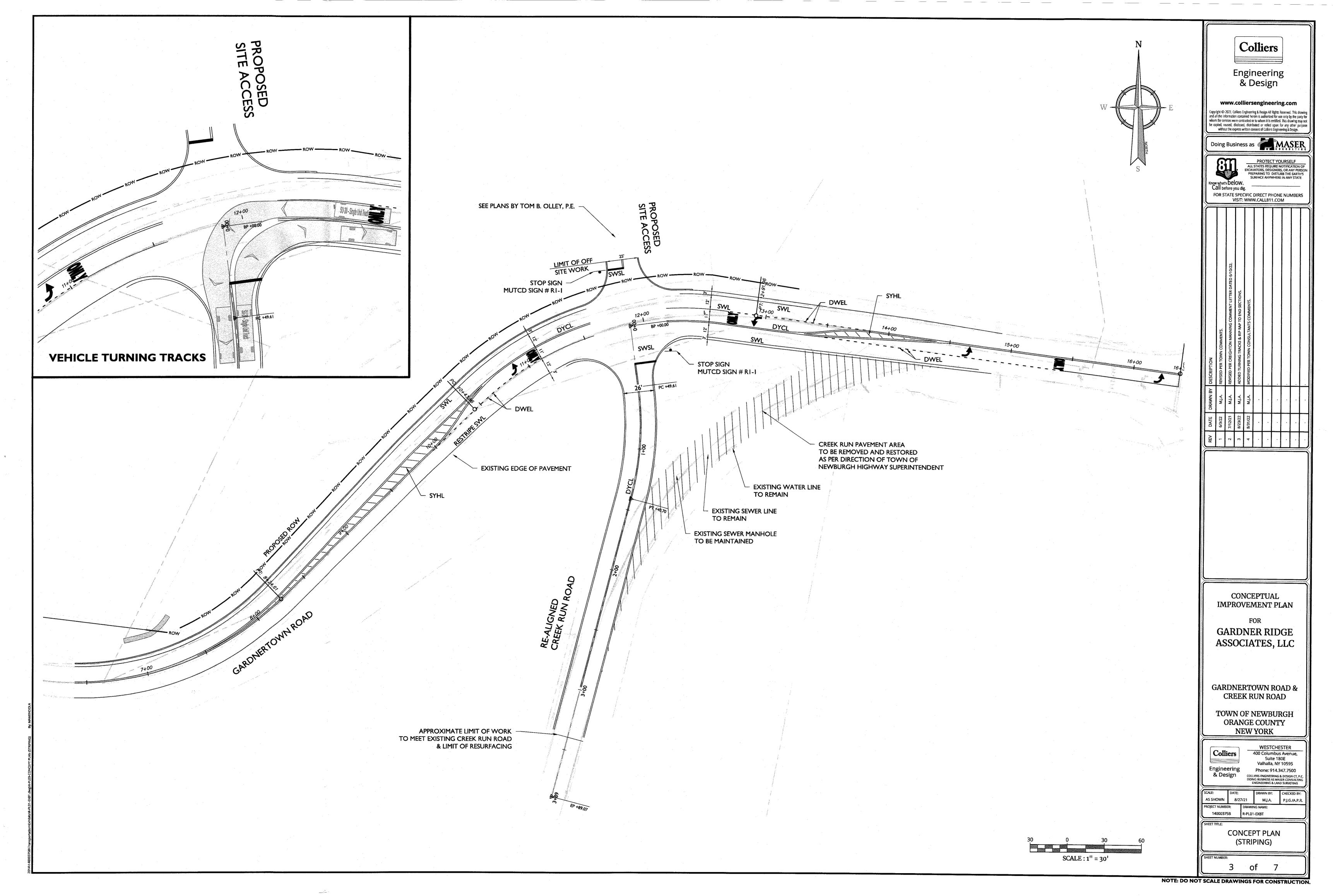
Patrick J. Hines

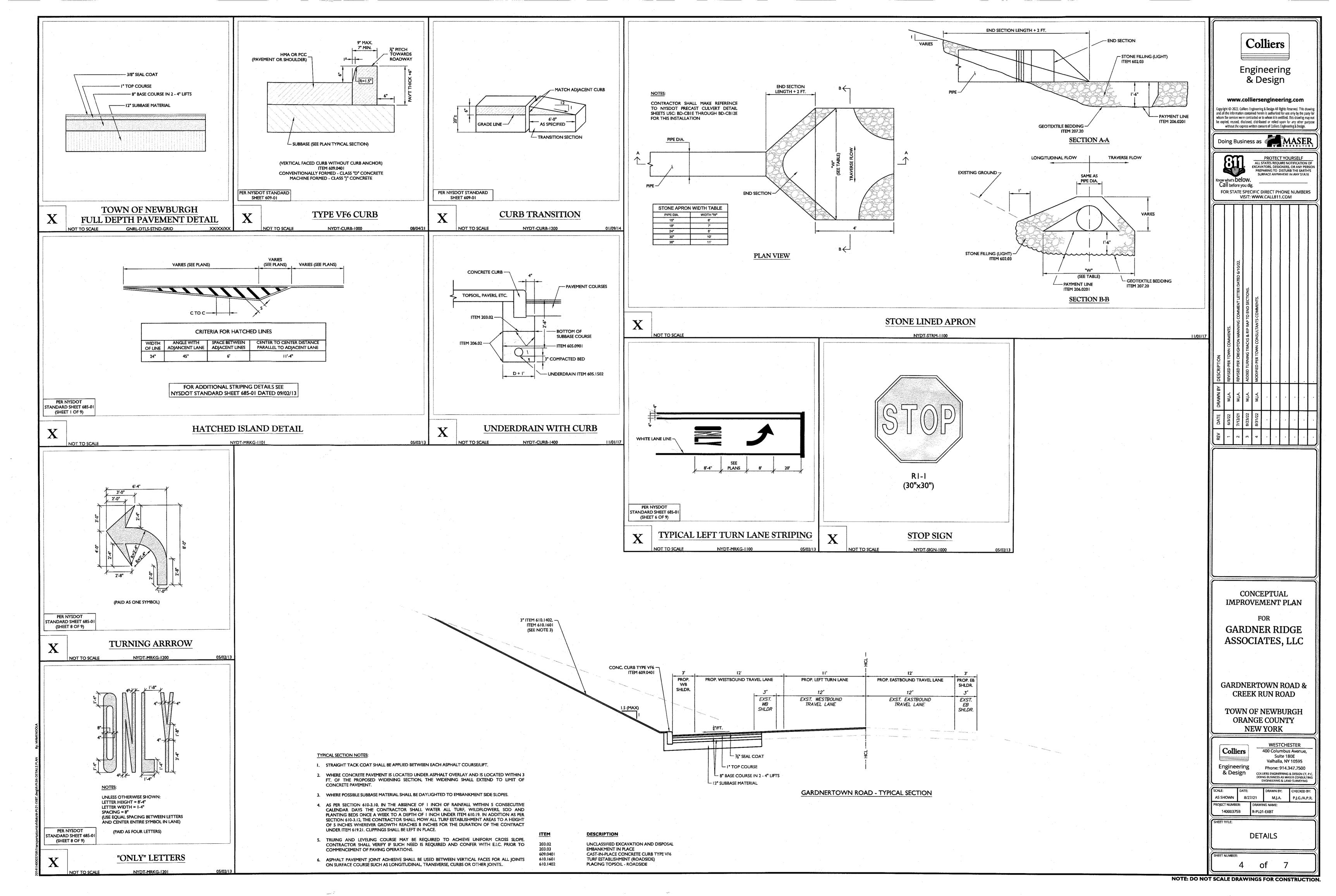
Principal

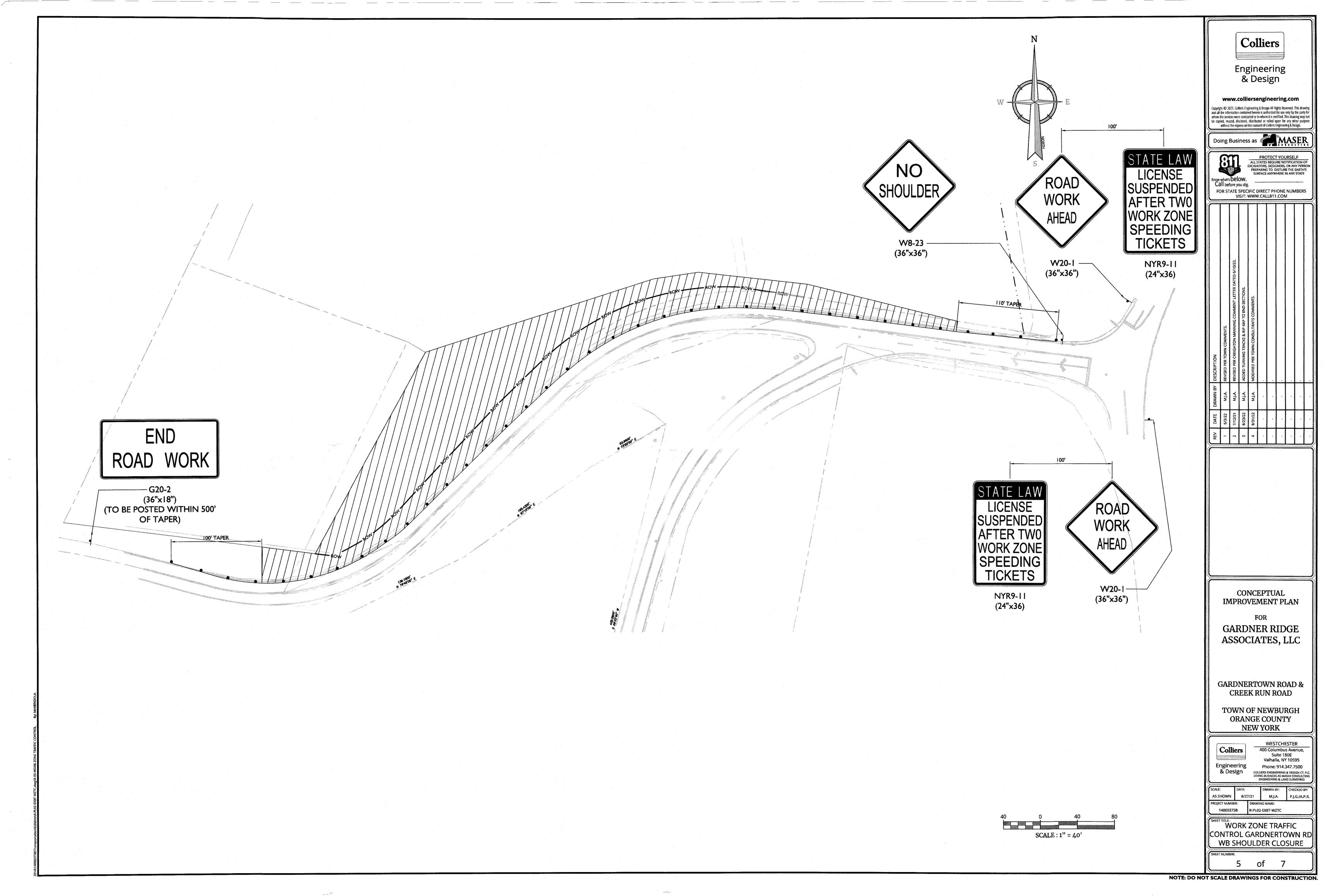
PJH/kbw

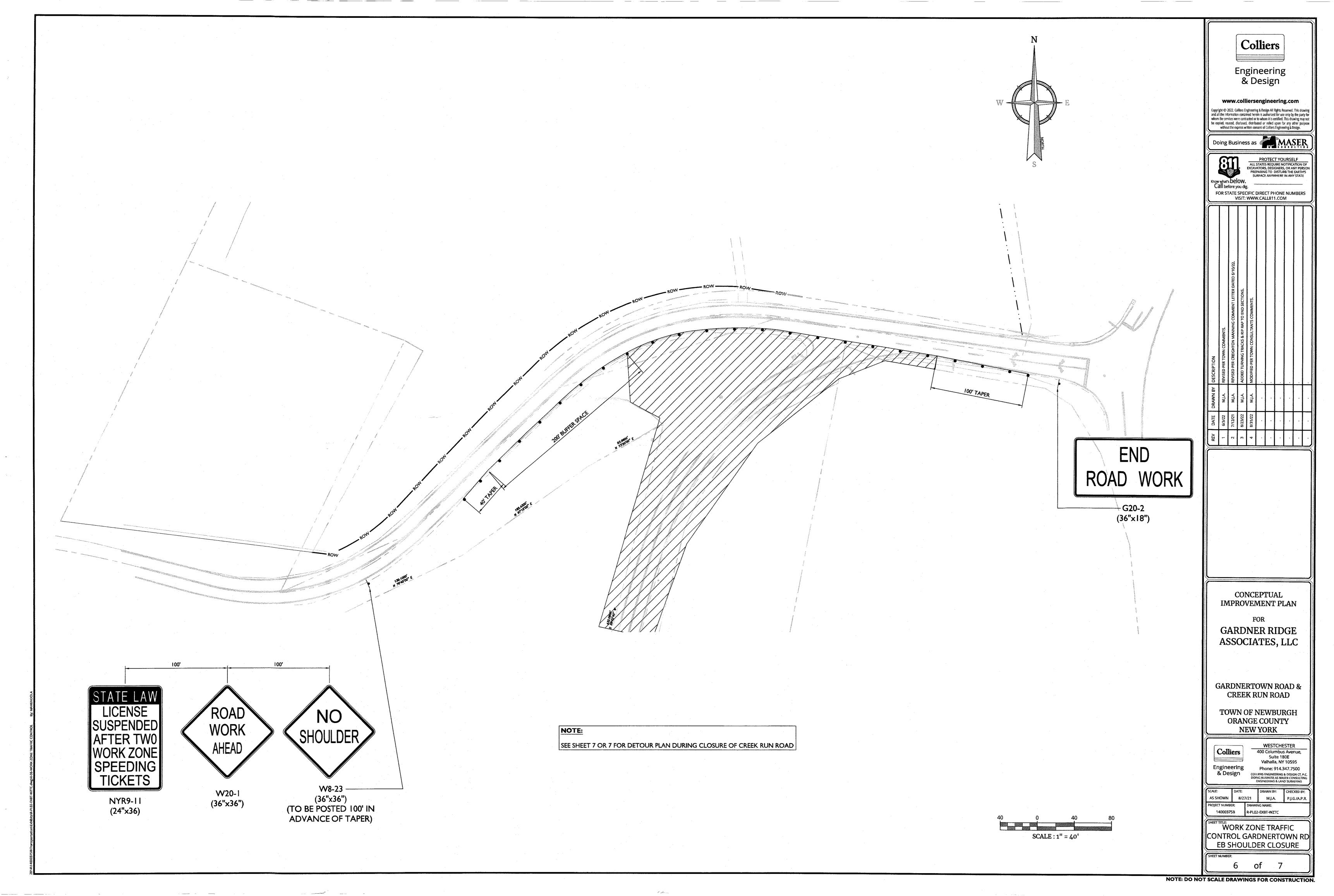


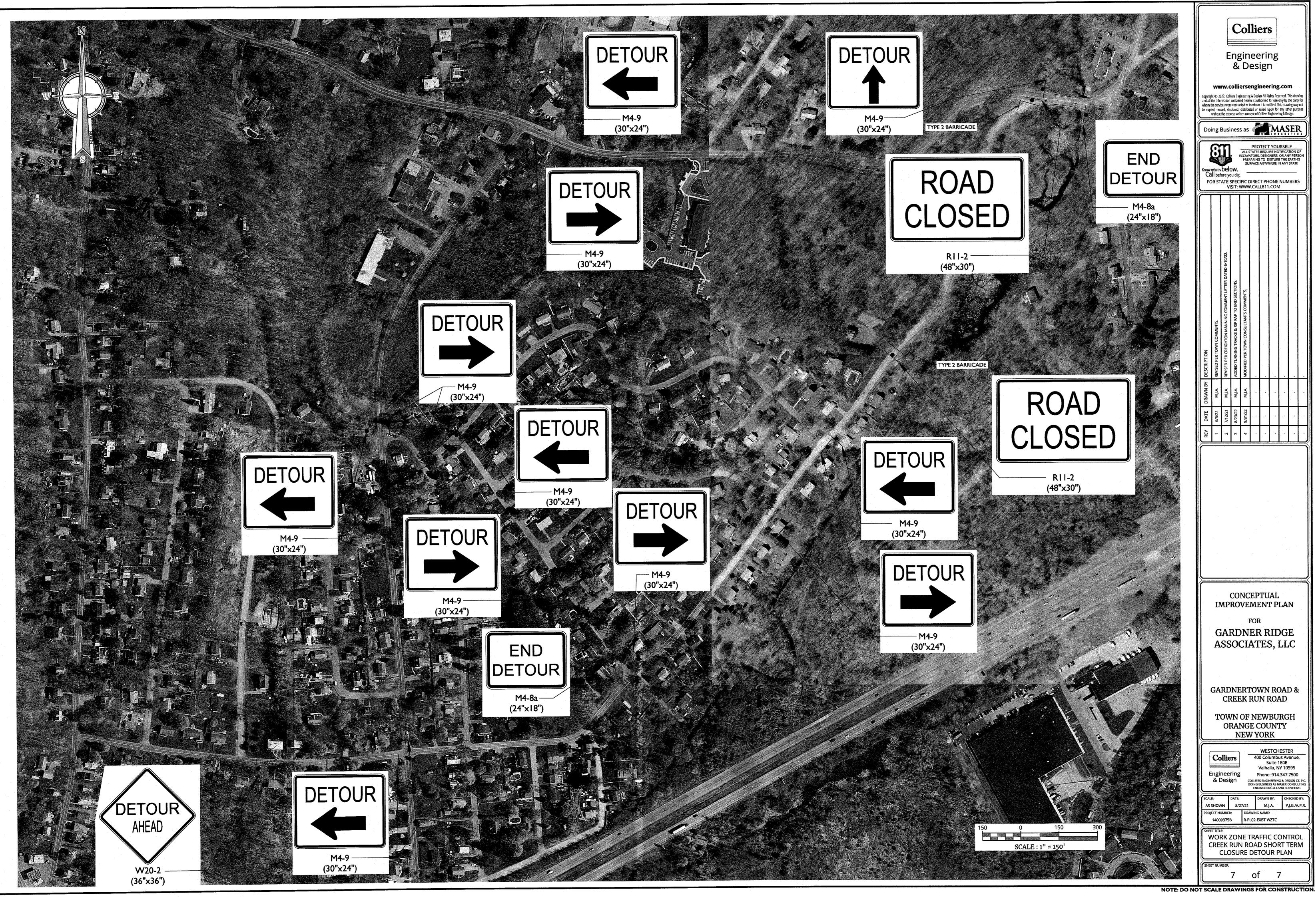












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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

CONCEPTUAL IMPROVEMENT PLAN

**GARDNER RIDGE** ASSOCIATES, LLC

GARDNERTOWN ROAD & CREEK RUN ROAD

TOWN OF NEWBURGH ORANGE COUNTY NEW YORK

WESTCHESTER Suite 180E Phone: 914.347.7500

14000375B R-PL02-EXBT-WZTC

WORK ZONE TRAFFIC CONTROL CREEK RUN ROAD SHORT TERM CLOSURE DETOUR PLAN

# SITE PLAN GARDNER RIDGE APARTMENTS

## GARDNERTOWN ROAD

TOWN OF NEWBURGH, ORANGE COUNTY, NY

JANUARY 28, 2016 REVISED SEPTEMBER 2022

#### **DENSITY CALCULATIONS:**

23.4<u>±</u> AC LESS WETLANDS, EASEMENTS/R.O.W.s. 100-YR FLOODPLAINS AND SLOPES 25% OR GREATER = 7.4<u>±</u> AC. 16.0± AC MULTIPLE FAMILY DWELLINGS MAXIMUM ALLOWABLE DENSITY=

ALLOWABLE NUMBER OF UNITS= 96 DWELLING UNIT'S DENSITY BONUS FOR PROJECTS CONSISTING OF SENIOR CITIZEN MULTIPLE DWELLING UNITS AND NON-SENIOR- CITIZEN MULTIPLE DWELLING UNITS:

TOTAL UNITS PROPOSED =144 UNITS BONUS UNITS PROPOSED = 144 UNITS - 96 UNITS = 48 UNITS SENIOR HOUSING UNITS REQUIRED = 48 BONUS UNITS/3 = 16 UNITS NON-SENIOR APARTMENTS PROPOSED = 108 UNITS SENIOR HOUSING PROPOSED = 36 UNITS

SENIOR HOUSING UNITS REQUIRED = 48 UNITS/3 = 16 UNITS

#### **PARKING CALCULATIONS:**

MAXIMUM ALLOWABLE UNITS= 144 UNITS

BONUS UNITS = 144 UNITS - 96 UNITS = 48 UNITS

108 NON-SENIOR APARTMENTS SPACES REQUIRED (2 SPACES/DU REQ.)= 216 SPACES

SPACES PROVIDED: GARAGES = 60 SPACES DRIVEWAY = 60 SPACESPARKING LOT SPACES = 101 SPACES NON-SENIOR APARTMENTS: SPACES PROPOSED = 221 SPACES

36 SENIOR HOUSING APARTMENTS SPACES REQUIRED (2 SPACES/DU REQ.)= 72 SPACES SPACES PROVIDED:

PARKING LOT SPACES = 72 SPACES

SPACES PROVIDED = 9 SPACES

TOTAL PARKING PROVIDED: 307 SPACES ACCESSIBLE PARKING SPACES (NYS BUILDING CODE SECTION 1106): SPACES REQUIRED 301 -400 SPACES = SPACES PROVIDED:

PROVISIONS SHALL BE PLACED IN EACH LEASE AGREEMENT THAT REQUIRES EACH TENANT WITH A GARAGE TO MAINTAIN THAT GARAGE FOR THE PURPOSE OF PARKING

#### SHEET INDEX

SHEET NO.	DESCRIPTION
1	EXISTING CONDITIONS
2	OVERALL SITE PLAN
3	LAYOUT & DIMENSION PLAN
4	GRADING PLAN
5	ROCK REMOVAL PLAN
6	UTILITY PLAN
7	EROSION & SEDIMENT CONTROL PLAN
8	ROAD PROFILES
9	ROAD PROFILES
10	SANITARY SEWER PROFILES
71	SITE DETAILS
12	WATER DETAILS
13	SEWER DETAILS
14	DRAINAGE DETAILS
15	EROSION CONTROL DETAILS

#### RECORD OWNER

GARDNER RIDGE ASSOCIATES 134 FAIRVIEW ROAD ROCKAWAY, NJ 07866

#### CONSULTING ENGINEER

THOMAS B. OLLEY, PE, PLLC 152 ORANGE AVENUE WALDEN, NY 12586 CONTACT: THOMAS B. OLLEY, PE (845) 778-5638

#### **SURVEYOR:**

MARTIN F. ANTHONISEN JR., PLS 1422 LONG MEADOW ROAD, TUXEDO, NY

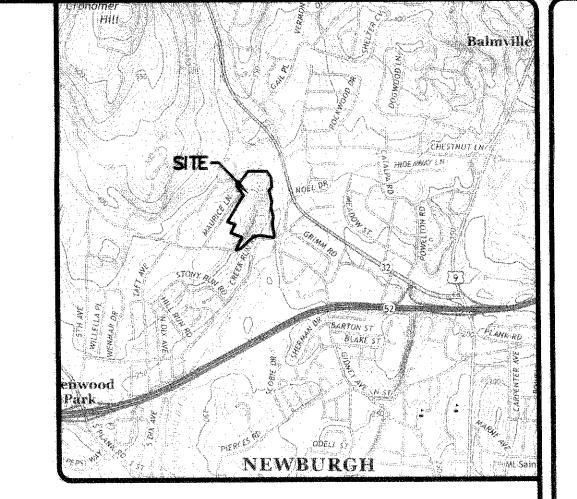
1. SENIOR CITIZEN UNITS ARE LIMITED TO 1000 S.F. MAAXIMUM IN ACCORDANCE WITH TOWN OF NEWBURGH ZONING CODE SECTION 185-48 (4).

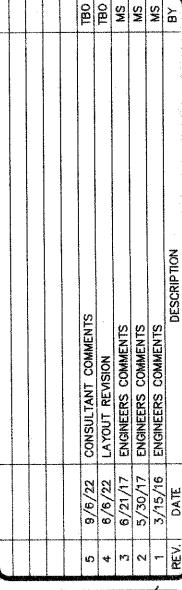
2. SENIOR CITIZEN UNITS SHALL BE DESIGNED AND CONSTRUCTED FOR THE NEEDS OF SENIORS AND IS SUBJECT TO THE MANAGEMENT OR OTHER LEGAL RESTRICTIONS THAT REQUIRE ALL UNITS DESIGNATED AS SENIOR CITIZEN HOUSING UNITS TO BE OCCUPIED BY PERSONS 55 YEARS OF AGE OR OLDER. NOTWITHSTANDING THE FOREGOING, ADULTS UNDER 55 YEARS OF AGE AND CHILDREN MAY RESIDE IN THE

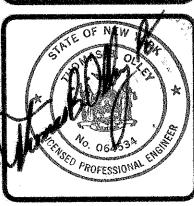
2.1. THE ADULT IS THE SPOUSE OF A PERSON 55 YEARS OF AGE OR

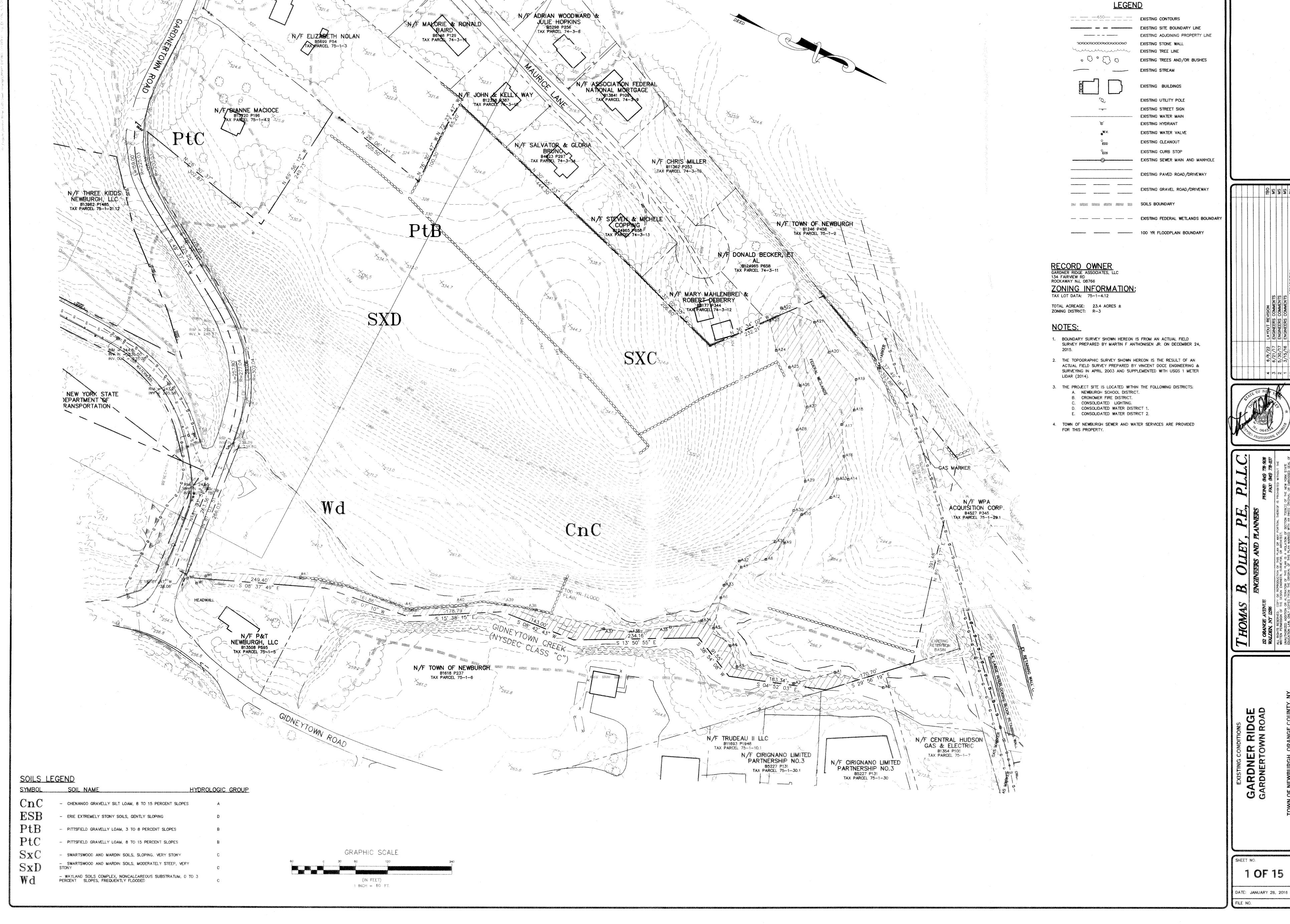
2.2. THE ADULT'S PRESENCE IS ESSENTIAL FOR THE PHYSICAL CARE OF A PERSON 55 YEARS OF AGE OR OLDER;

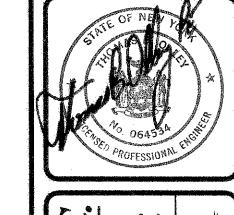
2.3. THE MINOR CHILDREN ARE RESIDING WITH THEIR PARENT, PARENTS OR LEGAL GUARDIANS WHERE THEIR PARENT, PARENTS OR LEGAL GUARDIANS ARE 55 YEARS OF AGE OR OLDER, AND THE MINOR CHILDREN RESIDING THEREIN ARE UNDER A PHYSICAL OR OTHER DISABILITY AND CANNOT CARE FOR THEMSELVES.

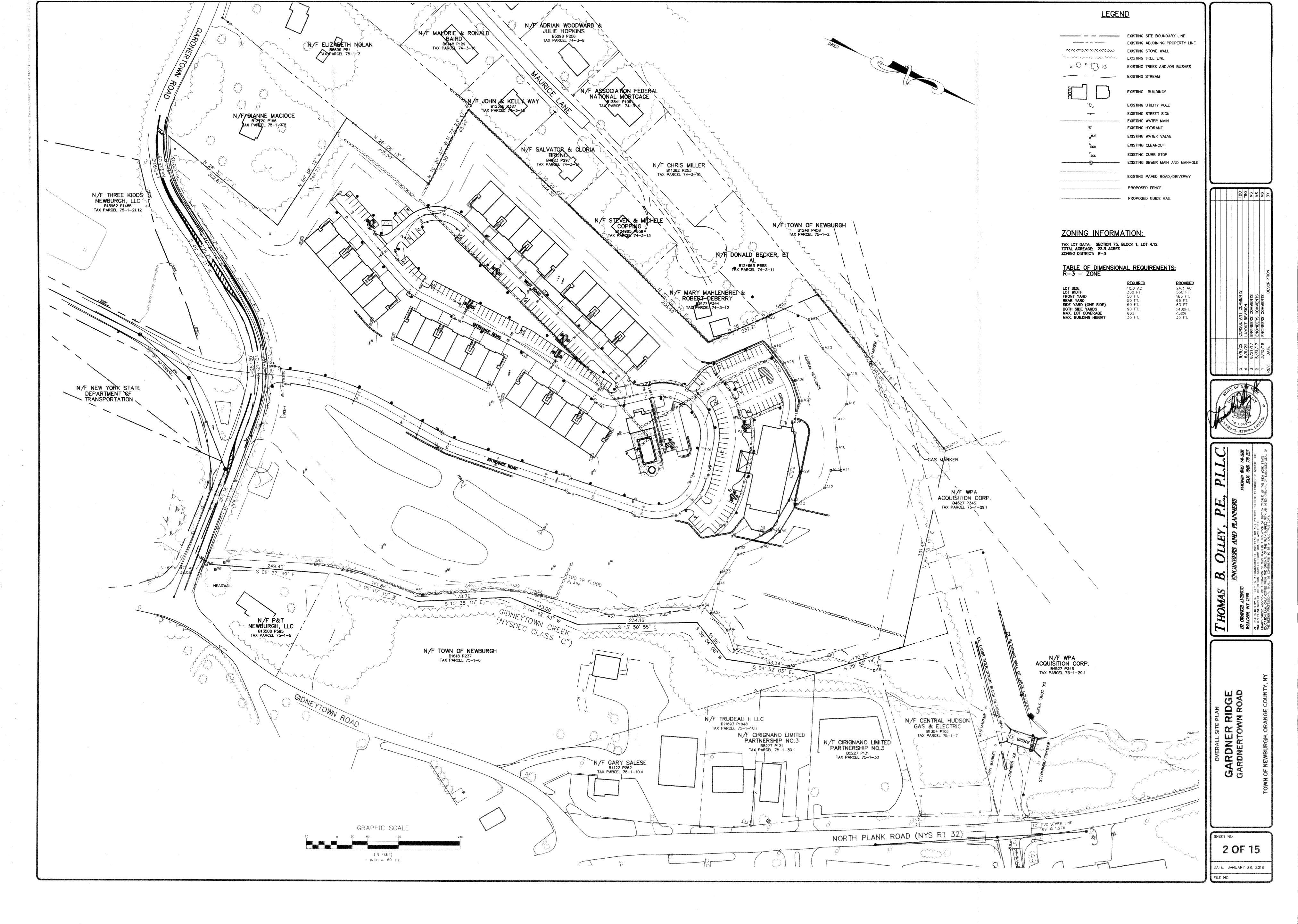


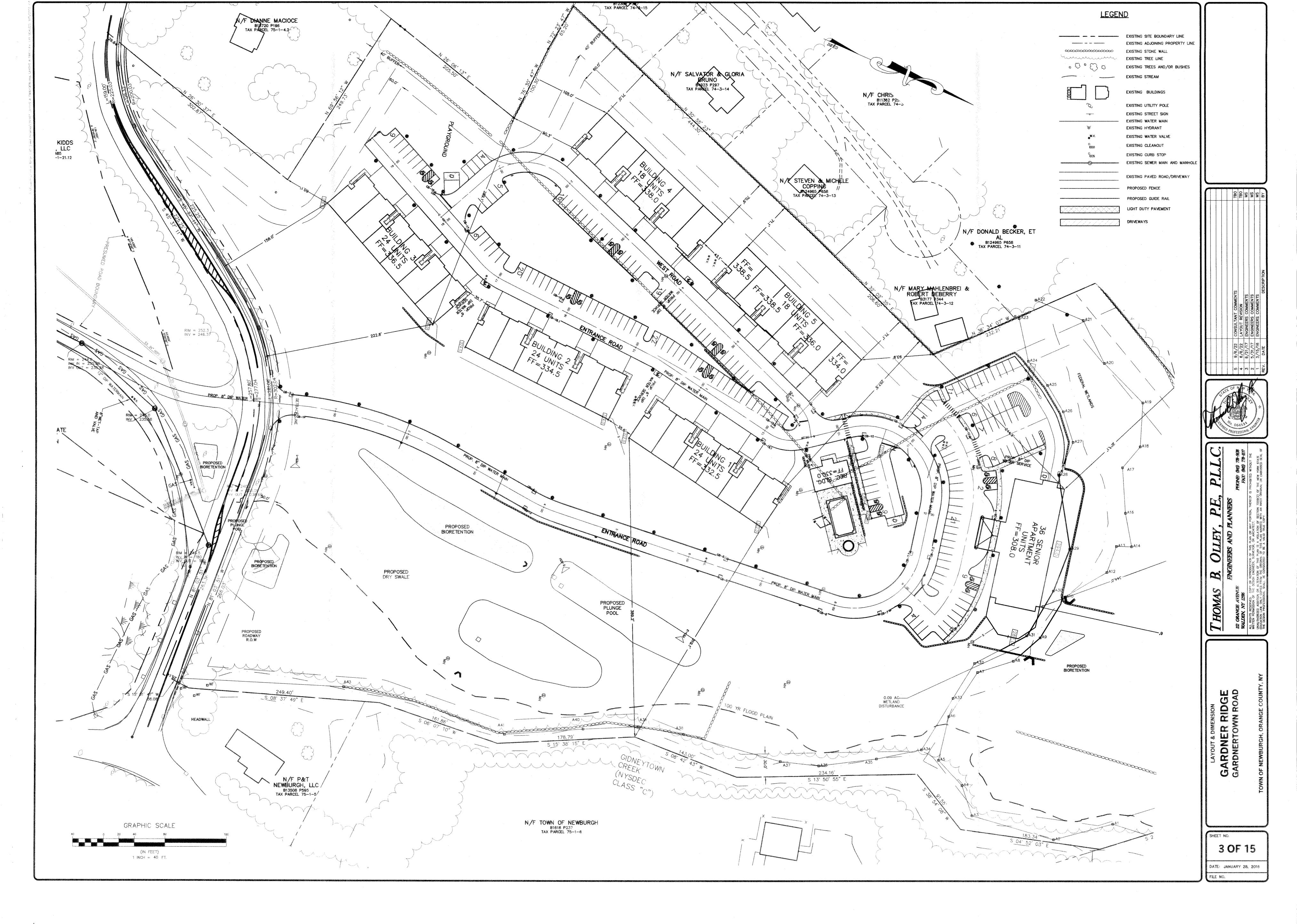


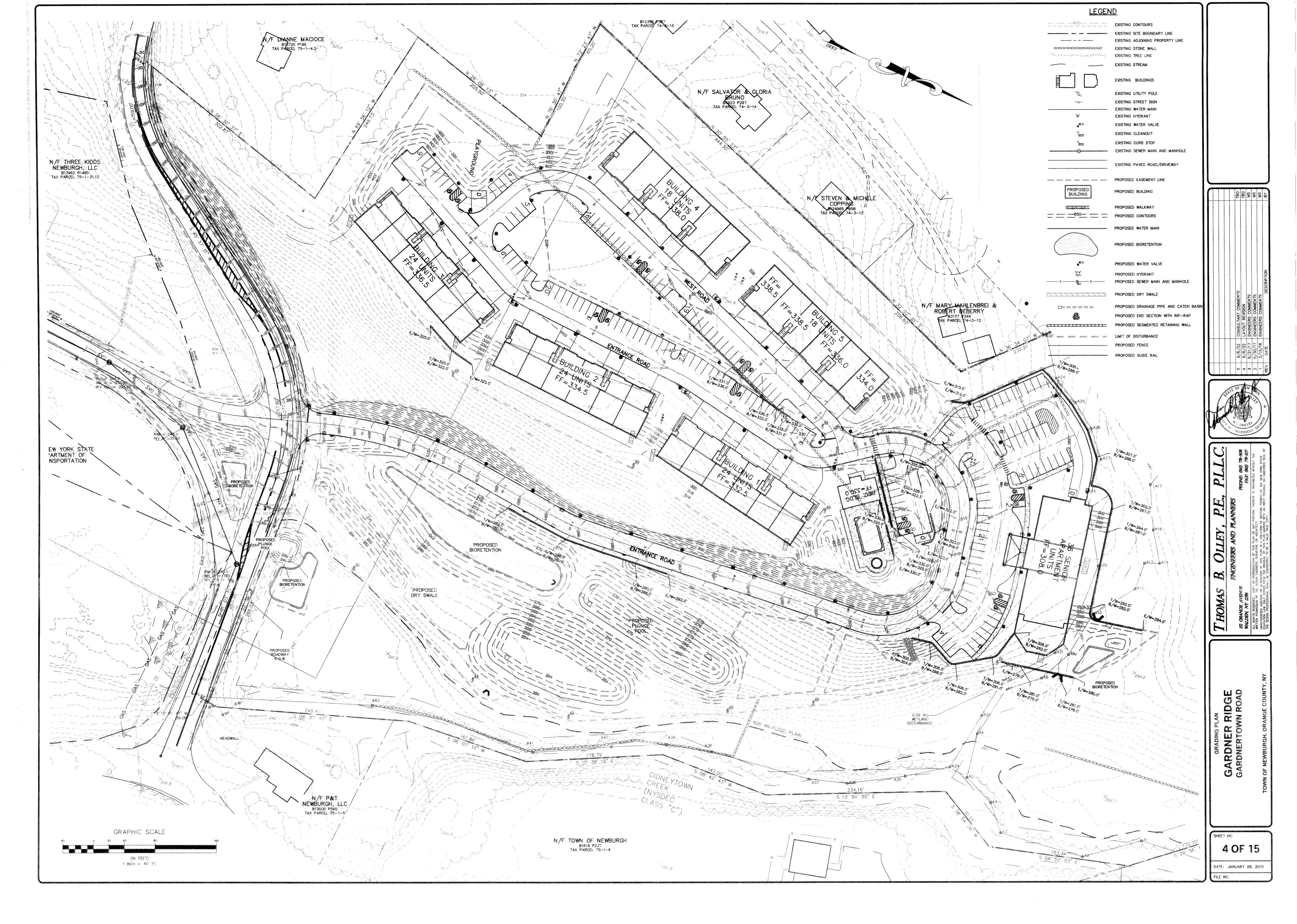


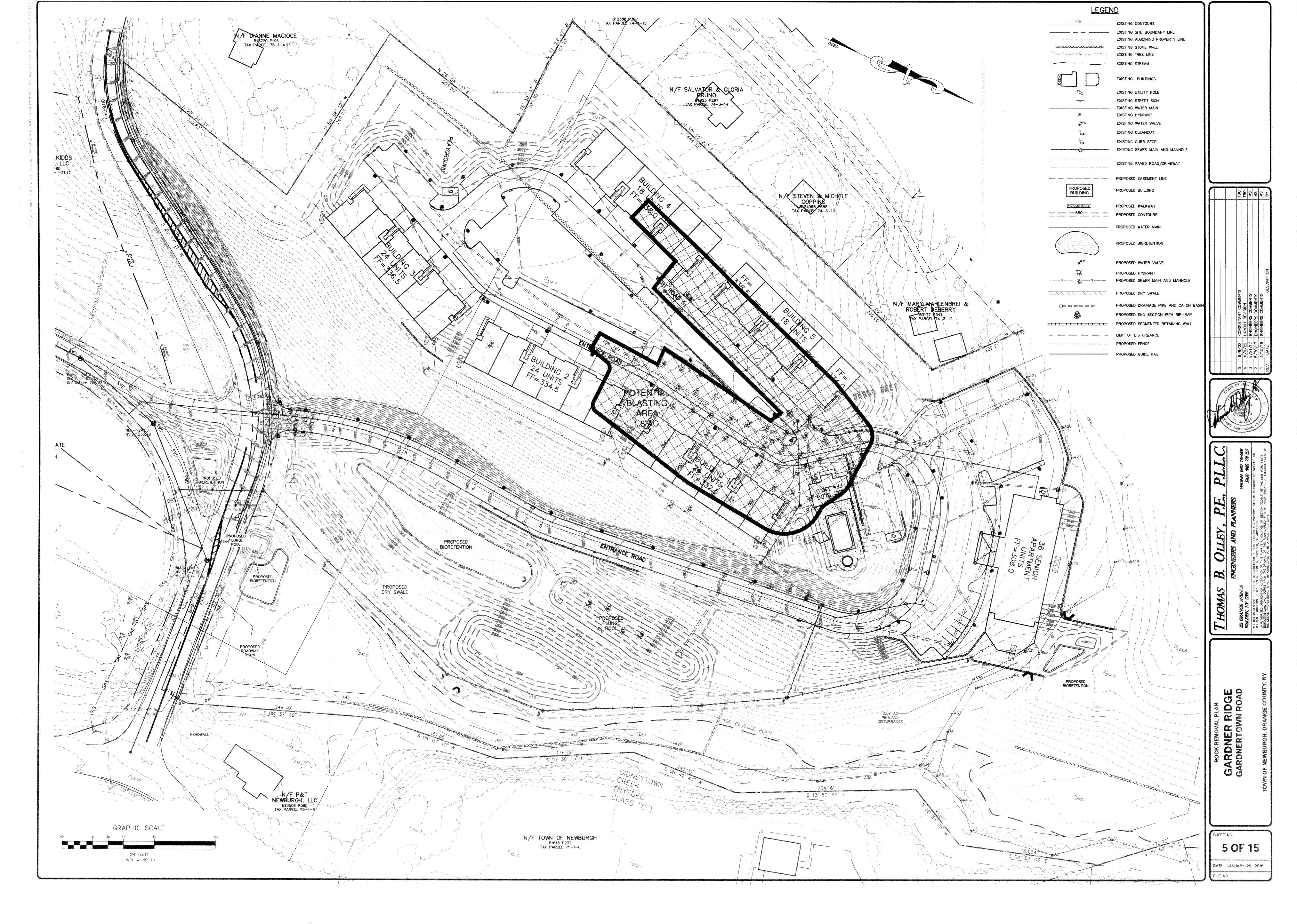


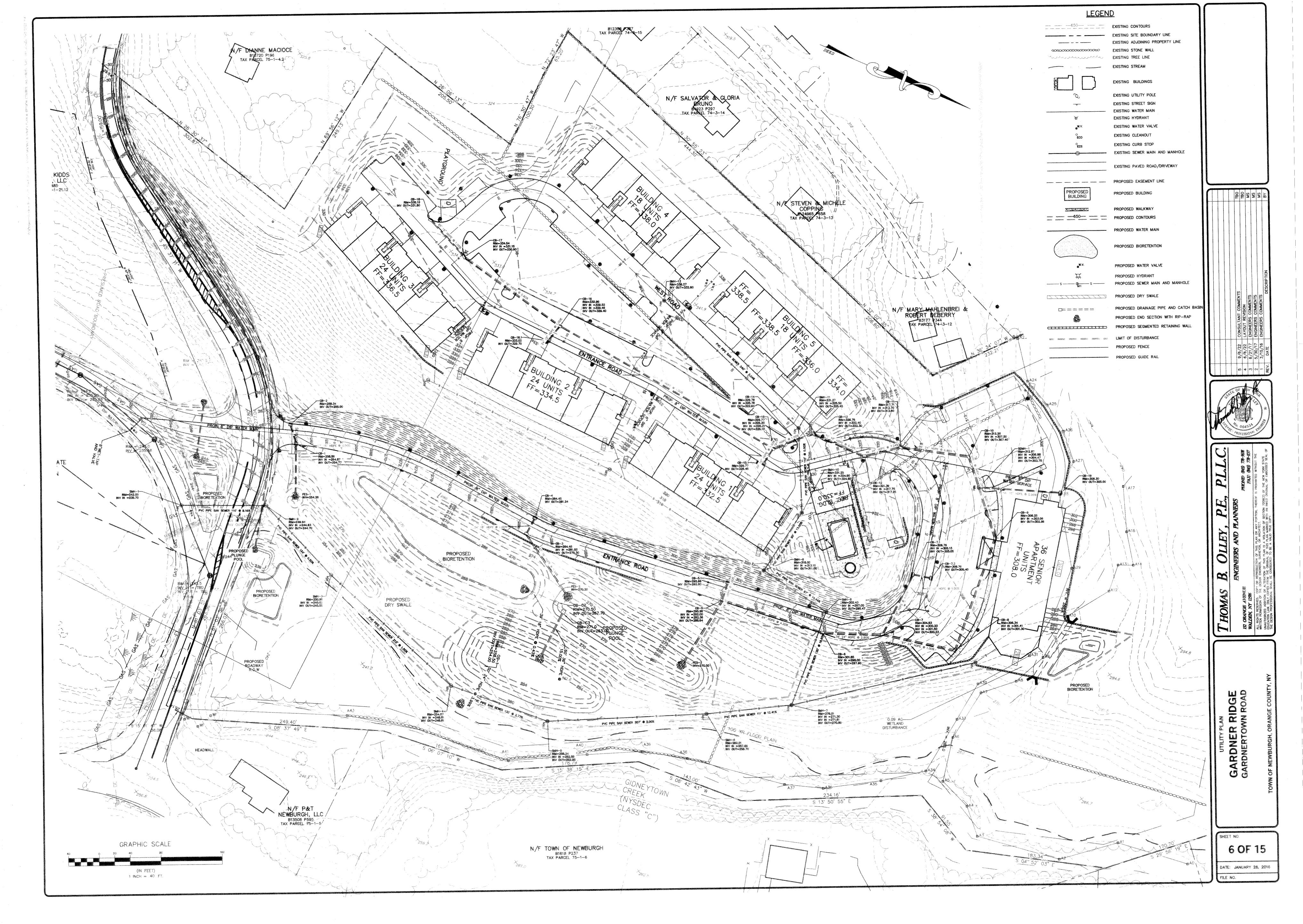


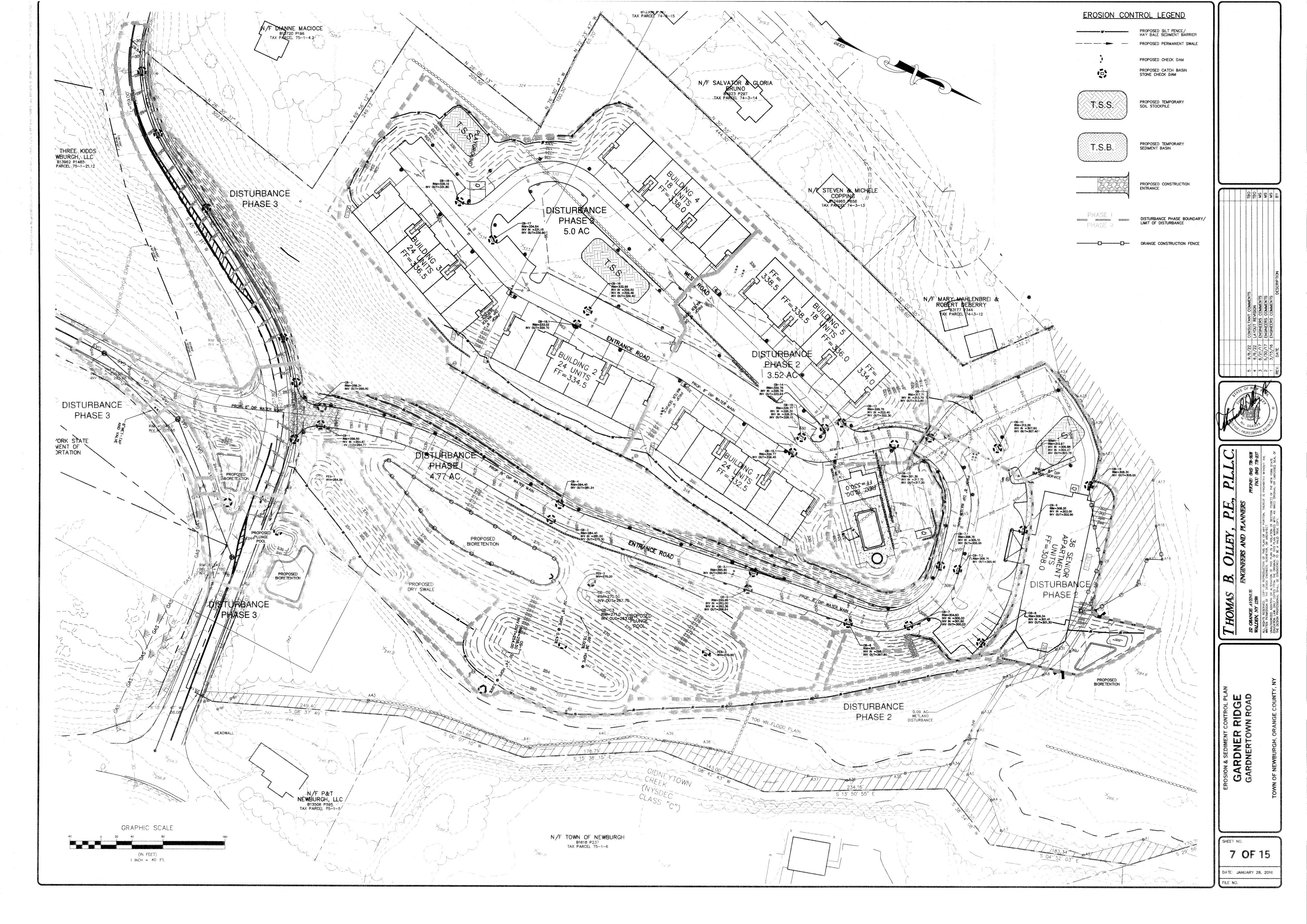


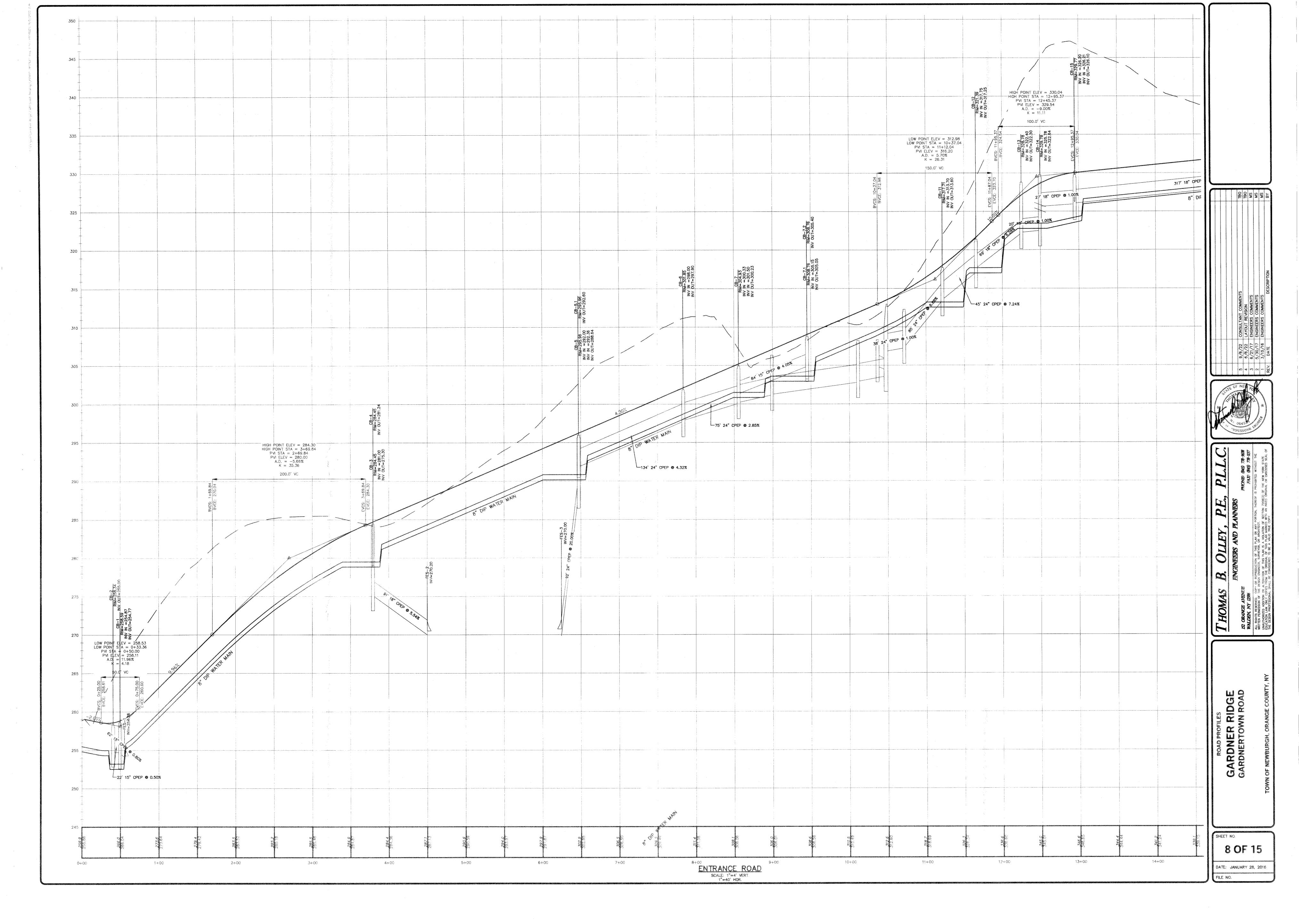


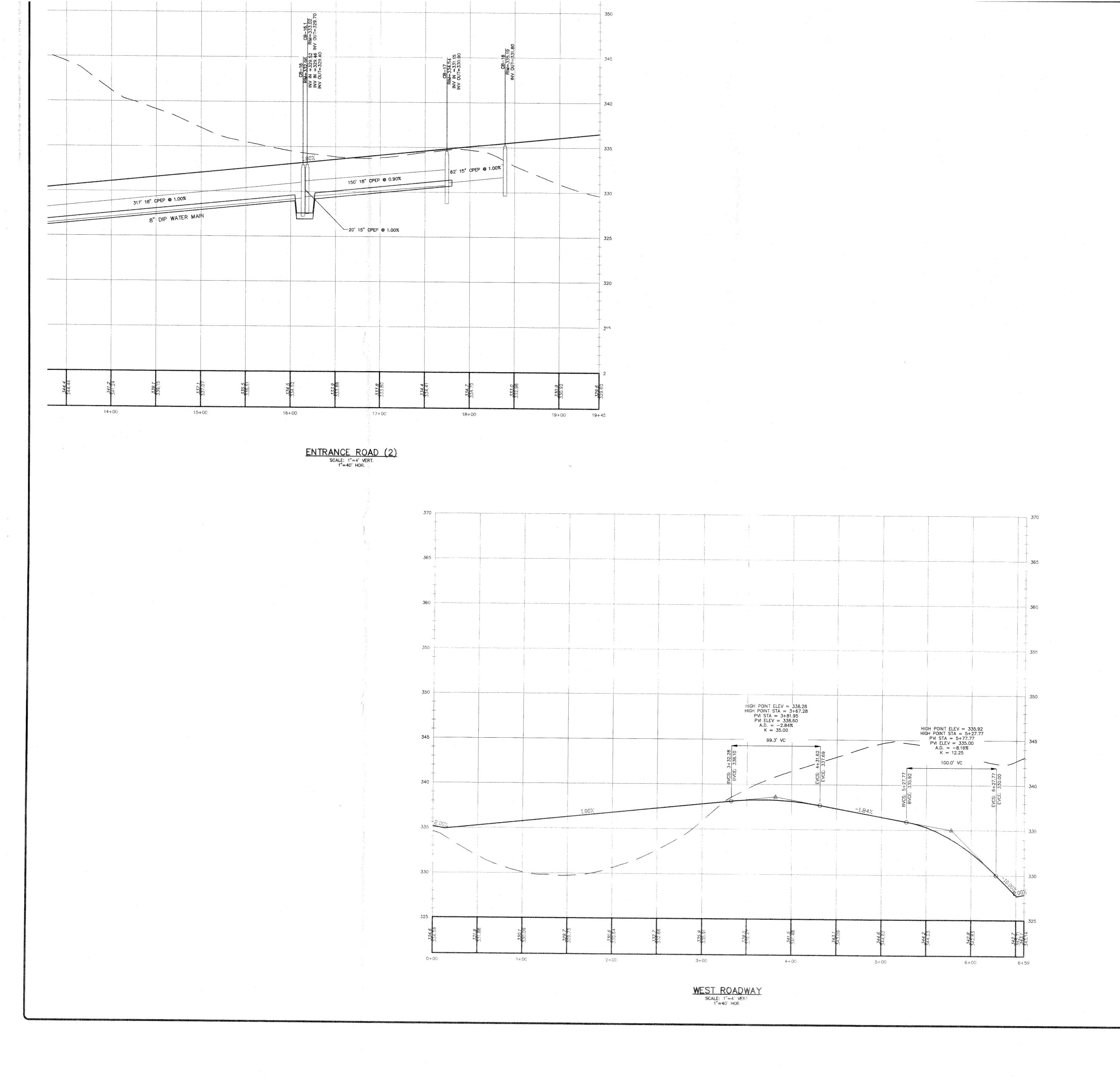






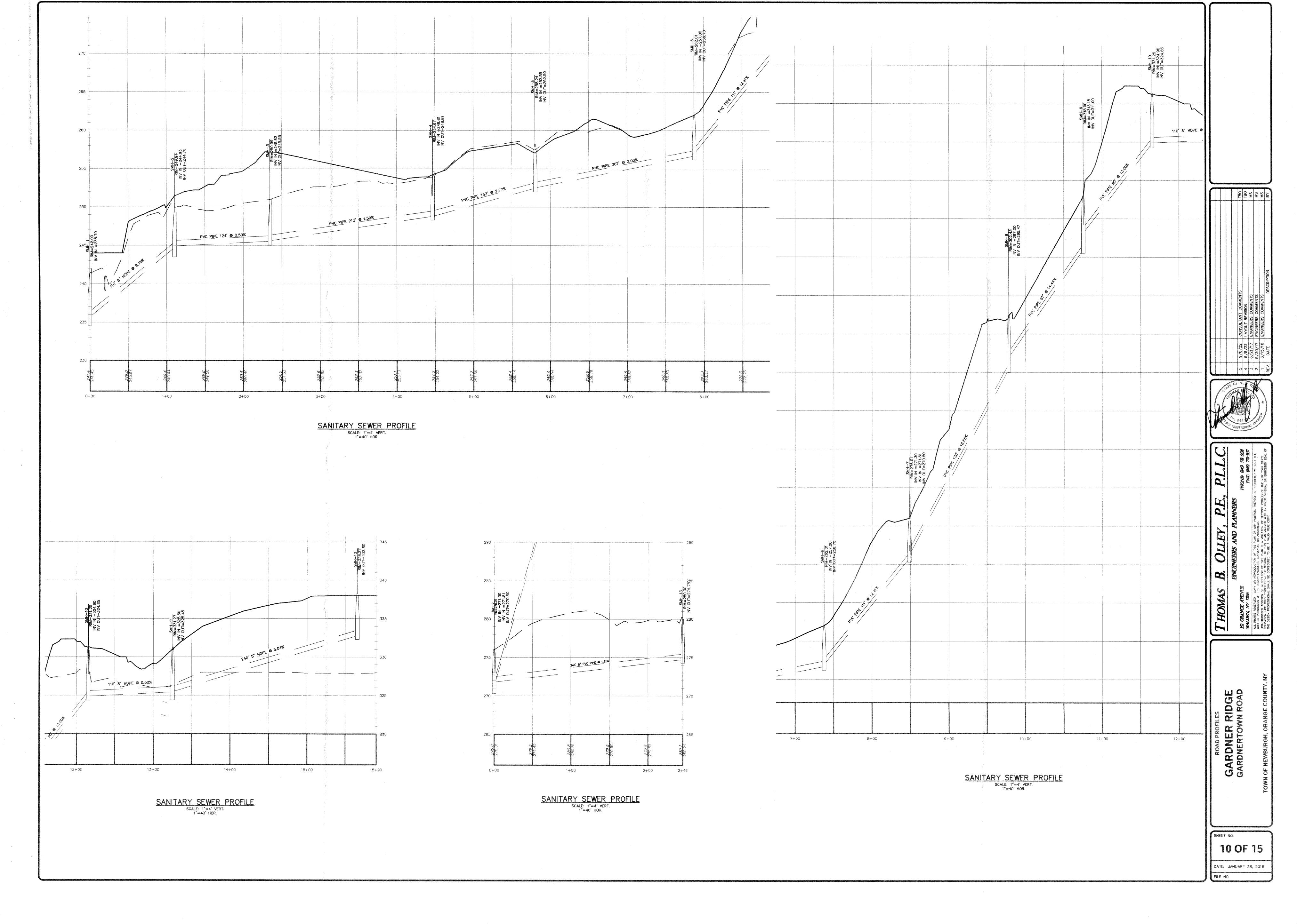


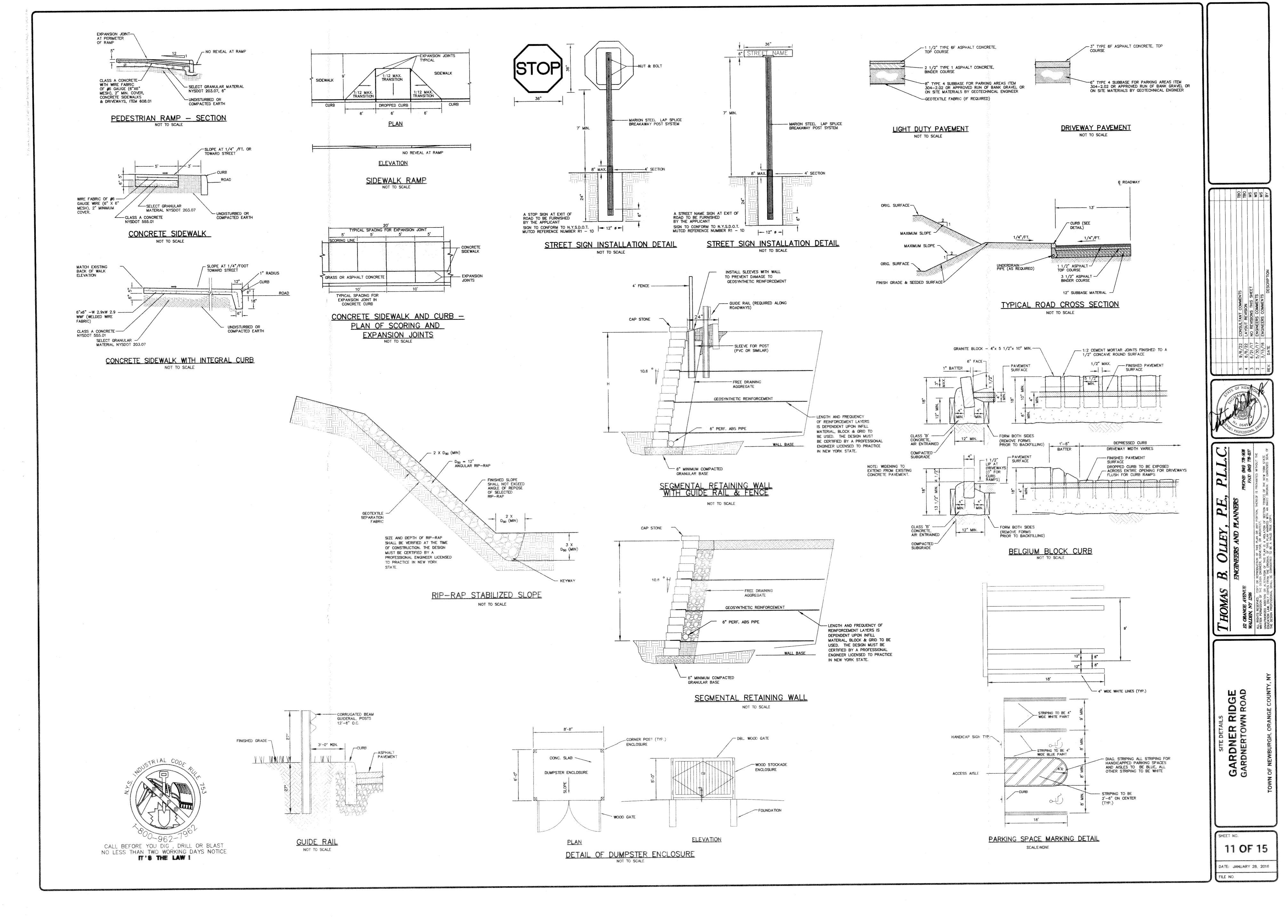


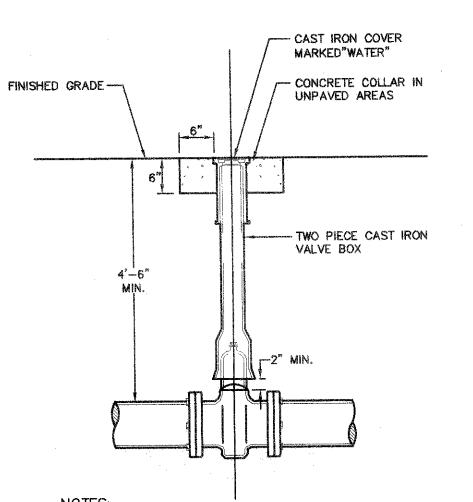


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DATE: JANUARY 28, 2016 FILE NO.



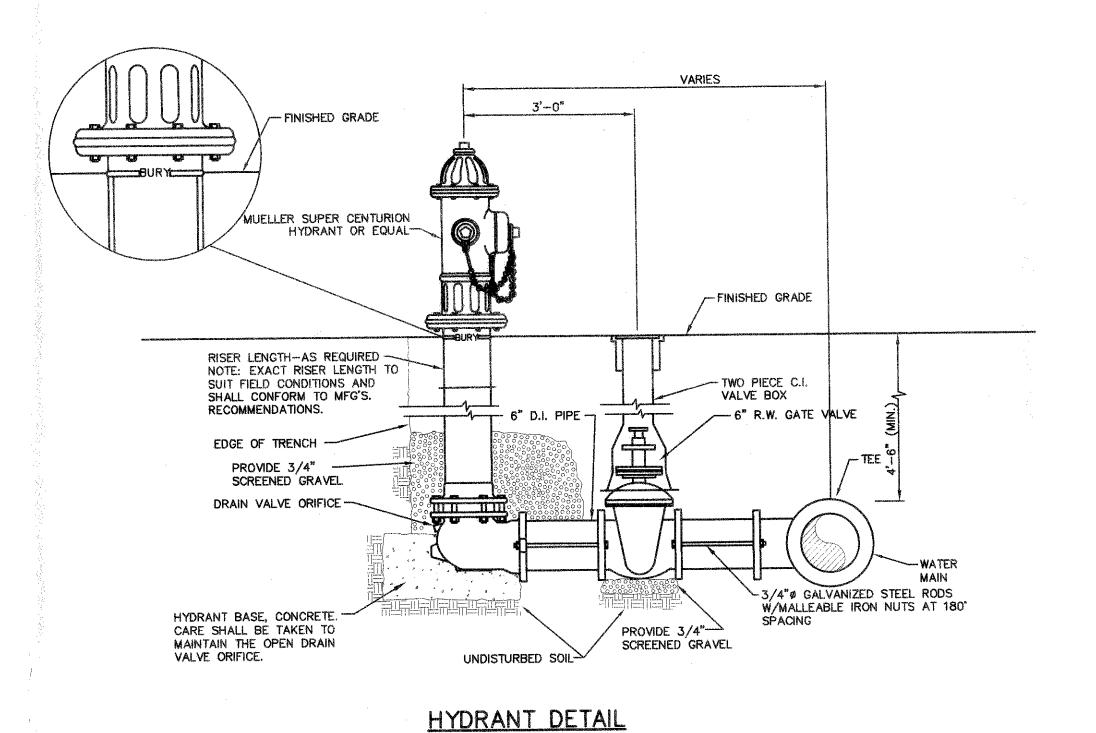




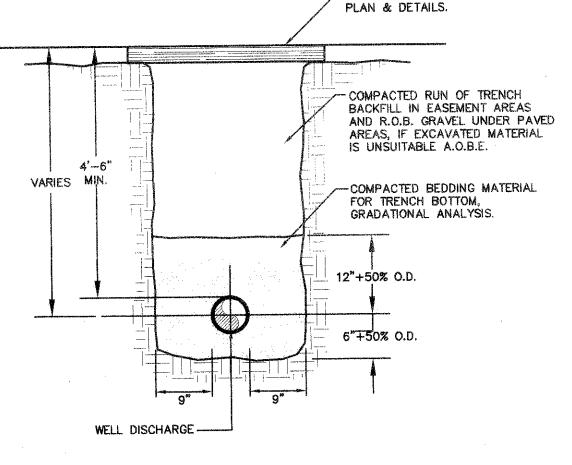
NON-RISING STEM RESILIENT WEDGE GATE VALVE, OPERATING DIRECTION AND MODEL TO CONFORM WITH WATER DEPARTMENT STANDARDS.
 IF VALVE IS TO BE RODDED, PROVIDE VALVE WITH RODDING FLANGES OR EYEBOLTS. (2)3/4" GALVANIZED STEEL RODS WITH MALIABLE IRON NUTS AT 180"SPACING SHALL BE USED FOR RODDING VALVES.

GATE VALVE DETAIL

NOT TO SCALE



NOT TO SCALE



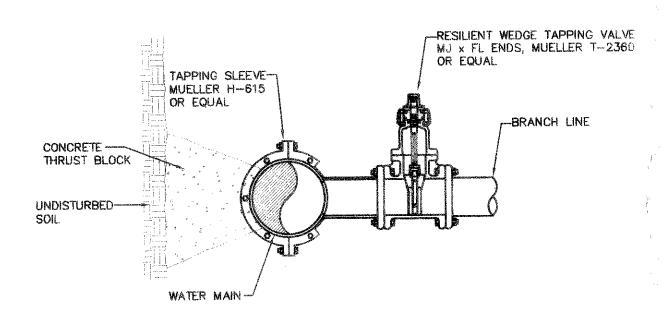
-SURFACE TREATMENT PER

NOTES:

1. PIPE BEDDING SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND GRADED FROM FINE TO COARSE PARTICLES, OR A GRADED MIXTURE OF CRUSHED STONE OR CRUSHED GRAVEL, BEDDING MATERIAL OR STONE GRADATIONS USED SHALL BE APPROVED BY THE ENGINEER.

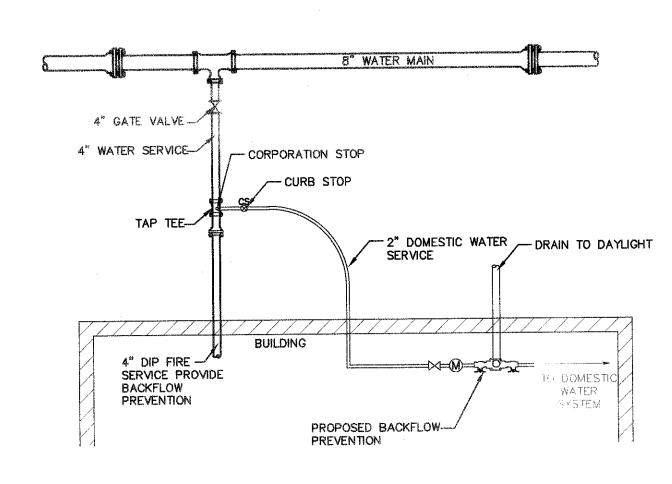
- INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND WATER SERVICE PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING.
- 3. THE PROPOSED WATERMAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 4.5 FEET AND SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52.
- 4. SHEETING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

WATER PIPE TRENCH DETAIL
NOT TO SCALE



WET TAP DETAIL

NOT TO SCALE



NOTE:

1. SERVICE LINE SHALL HAVE NO JOINTS BETWEEN THE WATER MAIN AND BUILDING

2. CORPORATION STOP SHALL BE MANUFACTURED BY MUELLER CO. OF EQUAL.

3. BACKFLOW PREVENTION IS NEEDED ON WATER SERVICES
CONNECTIONS AND SHOULD BE APPROVED WITH THE ORANGE
COUNTY DEPARTMENT OF HEALTH AND THE TOWN OF NEWBURGH
WATER DEPARTMENT

WATER SERVICE CONNECTION DETAIL

-water Main-	SANITARY SEWER MAIN/LATERAL OR STORM DRAIN
W	
FULL UNCUT LE	1
SANITARY SEWER MAIN/LATERAL OR STORM DRAIN	SEPARATION  -WATER MAIN  O" MIN.

NOTE:

1. NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE DEPARTMENT OF HEALTH.

HORIZONTAL SEPARATION

SANITARY/STORM SEWER-WATER MAIN
SEPARATION DETAIL
NOT TO SCALE

SCH	A Security Sector Sector	DUCTIL	F JOIN E IRON PIPE ( LENGTHS 14-1	(DIP)		NT
PIPE SIZE	ZE FITTING					
(INCHES)	<b>9</b> 0'	45°	22 1/2"	TEE	INLINE VALVE	(SEE NOTE 3)
12"	2	1	1	4	4	4
10°	2	1	3	4	4	4
8*	2	1	A The state of the	3	3	3
6*	1	1	A The state of the	2	2	2

NOTE:

1. LENGTH OF PIPE TO BE RESTRAINED IS LENGTH FOR EACH SIDE OF THE FITTING, i.e., FOR A 8" PIPE A 90" BEND SHALL BE RESTRAINED 2 LENGTHS ON EACH SIDE OF THE

- 2. JOINTS ARE TO BE RESTRAINED TYPE USING RESTRAINED GLANDS OR TIE RODS. IN ACCORDANCE WITH THE LENGTHS
- 3. DEAD ENDS MUST BE FULLY BACKFILLED BEFORE PRESSURE TESTING AND MUST HAVE BLOCKING (CONCRETE BLOCK) TO UNDISTURBED TRENCH WALL.
- 4. THIS TABLE IS FOR COMPACTED R.O.B. GRAVEL PIPE BEDDING BELOW THE PIPE TO ONE FOOT ABOVE THE PIPE ( AWWA TYPE 4 OR 5 LAYING CONDITIONS).

### TOWN OF NEWBURGH WATER SYSTEM NOTES

SHOWN IN THE TABLE ABOVE

- "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 REQUIREMENTS 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 CLASS 52 DUCTILE IRON PIPE
  CONFORMING TO ANSI/AWWA C151/A21.51-91 FOR DUCTILE IRON PIPE. JOINTS SHALL BE EITHER PUSH-ON OR
  MECHANICAL JOINT 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. ALL
- FITTINGS AND VALVES SHALL ALSO BE INSTALLED 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.

  4. ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI\AWWA
- 4. ALL FITTINGS SHALL BE CAST IKON OF DUCTILE IKON, MECHANICAL JOINT, CLASS 250 AND CONFORM TO ANSI/AWWA C110/A21.10-87 FOR DUCTILE AND GRAY IRON FITTINGS OR ANSI/AWWA C153/A21.53-94 FOR DUCTILE IRON COMPACT FITTINGS.
- 5. ALL VALVES 4 TO 12 INCHES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO ANI/AWWA C509 SUCH AS MUELLER MODEL A-2360-23 OR APPROVED EQUAL. ALL GATE VALVES SHALL OPEN LEFT (COUNTERCLOCKWISE)
- 6. TAPPING SLEEVES 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 ANSI/AWWA 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 PIPE.
- 7. ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING. CORPORATION STOPS SHALL BE MUELLER H-15020 FOR 3/4 AND 1 INCH, MUELLER H-15000 OR B-25000 FOR 1 1/2 AND 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1501-2 FOR 3/4 AND 1 INCH AND MUELLER B-25204 FOR 1 1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10312 FOR 3/4 AND 1 INCH AND MUELLER H-10310 FOR 1 1/2 AND 2
- 8. HYDRANTS SHALL BE CLOW-EDDY F 2640 MEETING THE FOLLOWING REQUIREMENTS:

  A.) ONE 4-1/2 INCH PUMPER NOZZLES;
  - B.) TWO 2-1/2 INCH HOSE NOZZLES; C.) NOZZLE THREADS SHALL BE NST;

WATER DEPARTMENT.

- D.) OPEN LEFT (COUNTER-CLOCKWISE);
- E.) 6 INCH INLET WITH 5-1/4 INCH MAIN VALVE;
  F.) PAINTED EQUIPMENT YELLOW: AND
  G.) 1-1/2 INCH PENTAGON OPERATING NUTS.
- 9. 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
- 10. 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 TOWN OF NEWBURGH WATER DEPARTMENT.

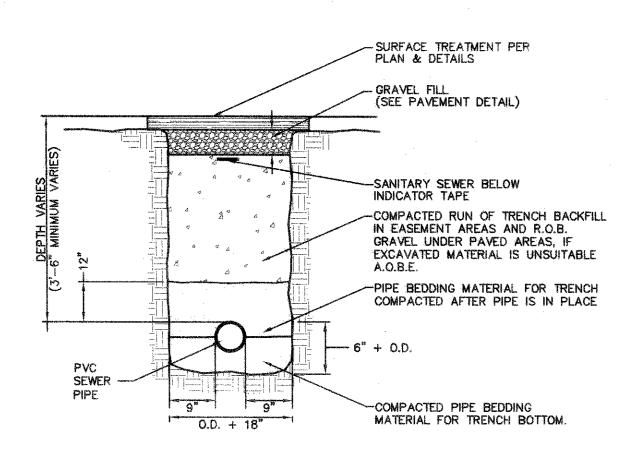
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ENGINETERS AND F.

122 ORANGE AVENUE
WALDEN, NY 1236
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CANDERTOWN BOOK

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NOTES:

1. PIPE BEDDING MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR GRAVEL FREE OF SOFT NONDURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES WITH THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION

2"
100
1"
95 - 100

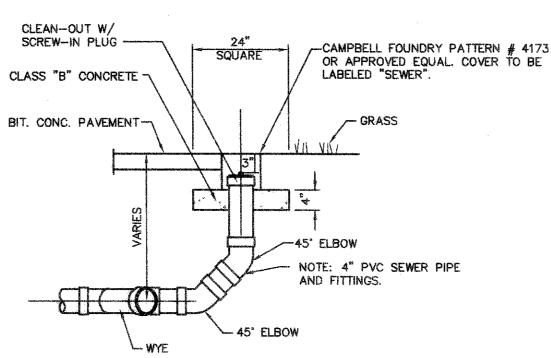
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2. BEDDING MATERIAL SHALL BE STOCKPILED.

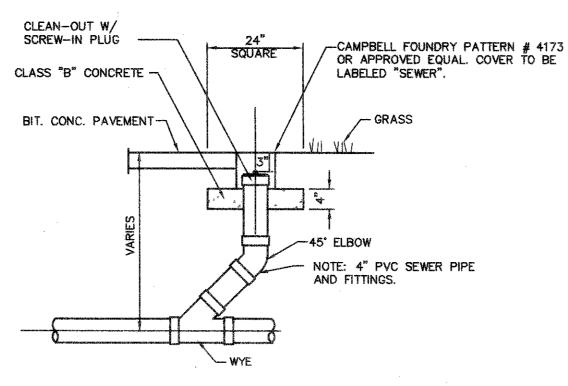
3. INSTALL CONTINOUS PLASTIC UNDERGROUND WARNING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND SANITARY SERVICE PIPING. LOCATE 12 INCHES BELOW FINISHED GRADE, DIRECTLY OVER PIPING. IN PAVEMENT AREAS PLACE TAPE UNDER FOUNDATION COURSE.

SEWER PIPE TRENCH DETAIL

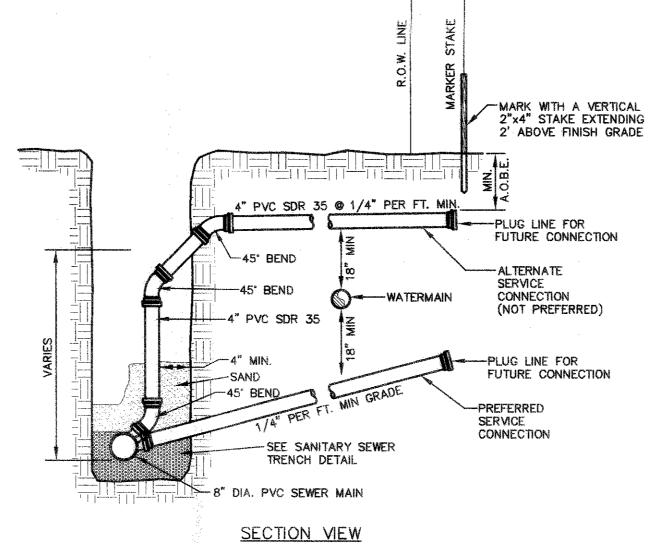
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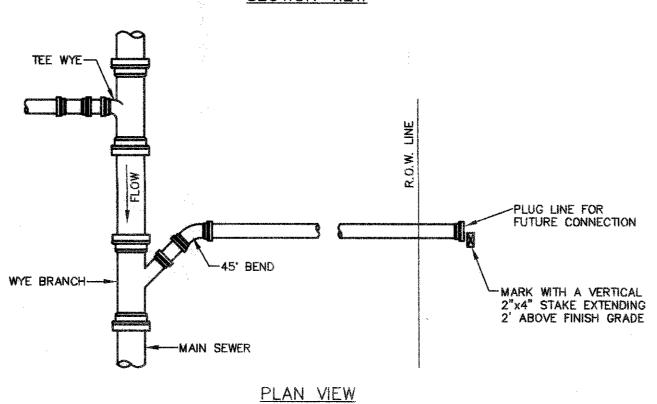


SANITARY SEWER CLEANOUT AT BEND

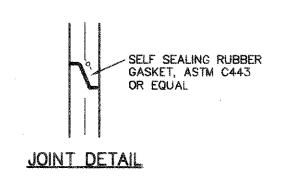


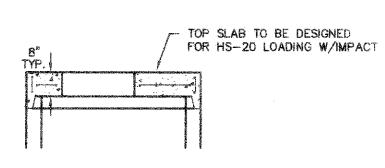
SANITARY SEWER CLEANOUT INLINE



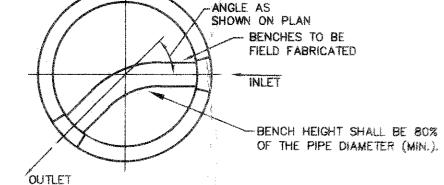


SEWER LATERAL CONNECTION DETAIL





MANHOLE SLAB TOP



BENCH DETAIL

NOTES:

RUNS ONLY.

COATS OF BITUMINOUS.

1. INVERTS SHALL BE POURED IN PLACE.

2. REINFORCEMENT FOR ALL COMPONENTS

LOADING WITH 25% IMPACT LOAD.

 COMPRESSION STRENGTH OF CONCRETE SHALL BE 4000 P.S.I. AT 28 DAYS IN CONFORMANCE WITH A.S.T.M. C-478-68.

4. THE TROUGH (BENCH) SHALL PROVIDE A

SMOOTH SWEEP BETWEEN INLET AND OUTLET

A HALF PIPE MAY BE USED FOR STRAIGHT

5. THE MANHOLE EXTERIOR SHALL RECEIVE TWO

6. FRAME AND COVER SHALL BE DESIGNED FOR

LOAD, FRAMES AND COVERS TO BE

7. REFER TO PLANS FOR ELEVATIONS AND

8. MANHOLE FRAMES ARE TO BE SET AT THE SAME GRADE AS THE ADJOINING PAVEMENT OR GROUND SURFACE.

HS-20 VEHICLE LOADING AND 25% IMPACT

INSTALLED WITHIN A FLOOD PLAIN SHALL BE

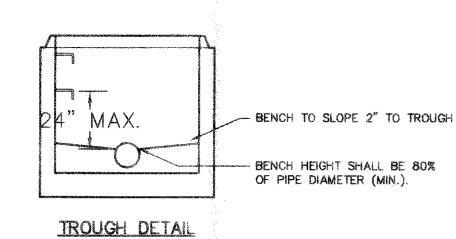
WATERTIGHT (CAMPBELL) FDY. NO. 1502 OR

SHALL BE DESIGNED BY A PROFESSIONAL

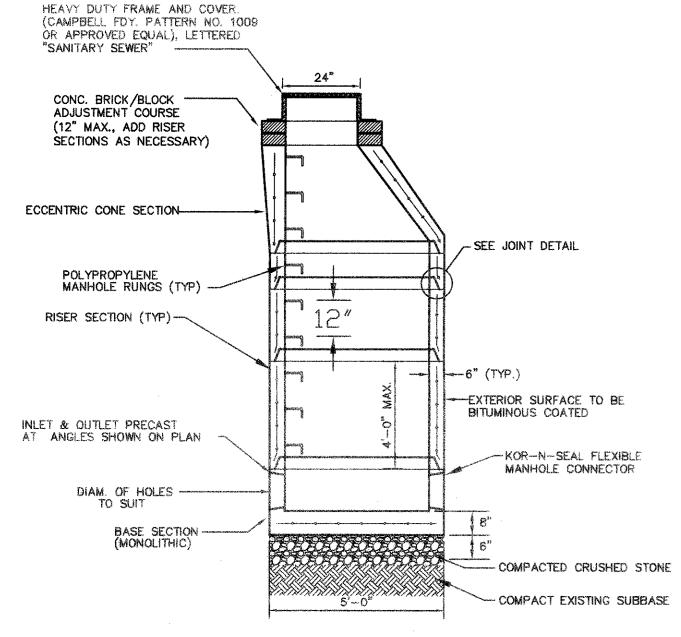
ENGINEER LICENSED IN NEW YORK STATE.

SHOP DRAWINGS SHALL BE SUBMITTED FOR

REVIEW PRIOR TO FABRICATION. STRUCTURE SHALL BE DESIGNED FOR HS-20 VEHICULAR

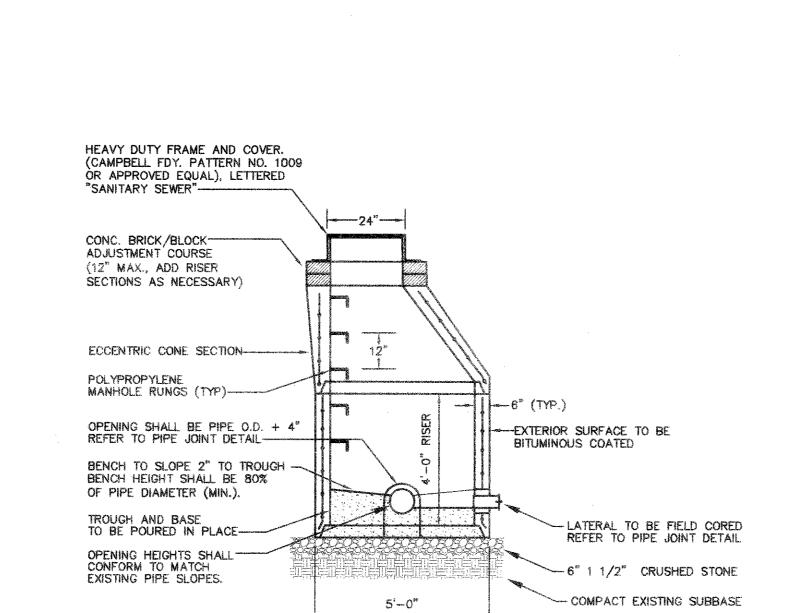


SANITARY MANHOLE LID DETAIL



PRECAST MANHOLE

PRECAST MANHOLE DETAILS



DOGHOUSE MANHOLE DETAIL

NOT TO SCALE

#### SANITARY SEWER NOTES:

- 1. ALL SANITARY GRAVITY PIPE SHALL BE SDR 35 PVC UNLESS OTHERWISE NOTED, ALL SANITARY SEWER MAINS AND SERVICE LATERALS SHALL BE SEPARATED FROM THE WATER MAINS AND WATER SERVICE CONNECTIONS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY OR 18 INCHES VERTICALLY IF HORIZONTAL SEPARATION IS NOT
- 2. ALL NEW SANITARY SEWER LINES SHALL PASS A LOW PRESSURE AIR TEST AND ALL NEW SANITARY SEWER MANHOLES SHALL PASS HYDROSTATIC TESTS OR VACUUM
- 3. ALL NEW SANITARY SEWER MANHOLE COVERS SHALL BE 24" DIAMETER CAST IRON AND SHALL READ "SANITARY
- 4. ALL SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE MUNICIPAL SEWER SUPERINTENDENT PRIOR TO BACKFILLING.
- 5. THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF
- ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

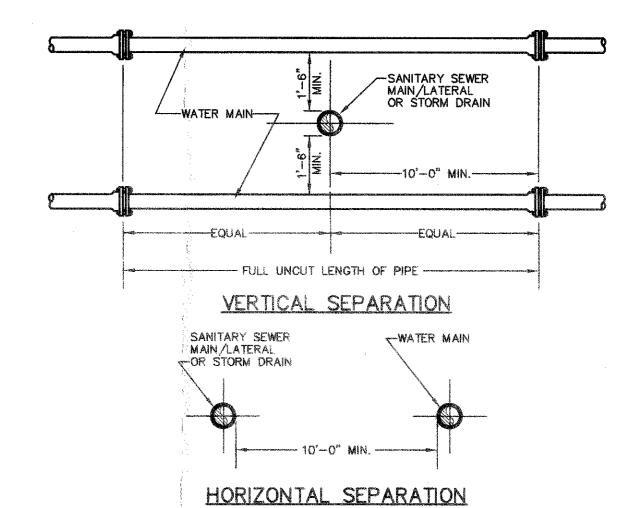
   "NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL"
- CONSERVATION AND ULSTER COUNTY DEPARTMENT OF HEALTH POLICIES, PROCEDURES AND STANDARDS."

  ORANGE COUNTY DEPARTMENT OF HEALTH SANITARY CODE,

  "TERONAL TERES. STANDARDS. FOR WASTENATED.
- CODE,
  "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES, 2014", GLUMRB.
  "DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS, 2014", NYSDEC.
- 6. ALL WELLS AND SUBSURFACE SEWAGE DISPOSAL SYSTEMS EXISTING OR APPROVED WITHIN 200' OF THE PROPOSED WATER AND SEWAGE UTILITIES ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER KNOWN ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE WATER AND SEWAGE UTILITIES.
- 7. NO CELLAR, ROOF OR FOOTING DRAINS SHALL BE DISCHARGED INTO THE SEWAGE SYSTEM.

## TOWN OF NEWBURGH SANITARY SEWER SYSTEM NOTES

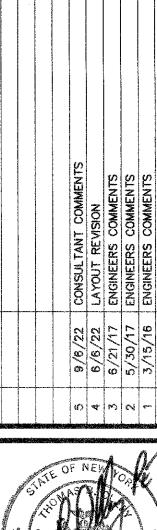
- CONSTRUCTION OF SANITARY SEWER FACILITIES AND CONNECTION TO THE TOWN OF NEWBURGH SANITARY SEWER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH SEWER DEPARTMENT. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDEC AND THE TOWN OF NEWBURGH.
- 2. ALL SEWER PIPE INSTALLATION SHALL BE SUBJECT TO 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.
- 3. ALL GRAVITY SANITARY 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 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.
- 4. THE SEWER MAIN SHALL BE TESTED IN ACCORDANCE WITH TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH SEWER DEPARTMENT.
- 5. 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 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.



NOTE:

1. NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE DEPARTMENT OF HEALTH.

SANITARY/STORM SEWER-WATER MAIN
SEPARATION DETAIL
NOT TO SCALE

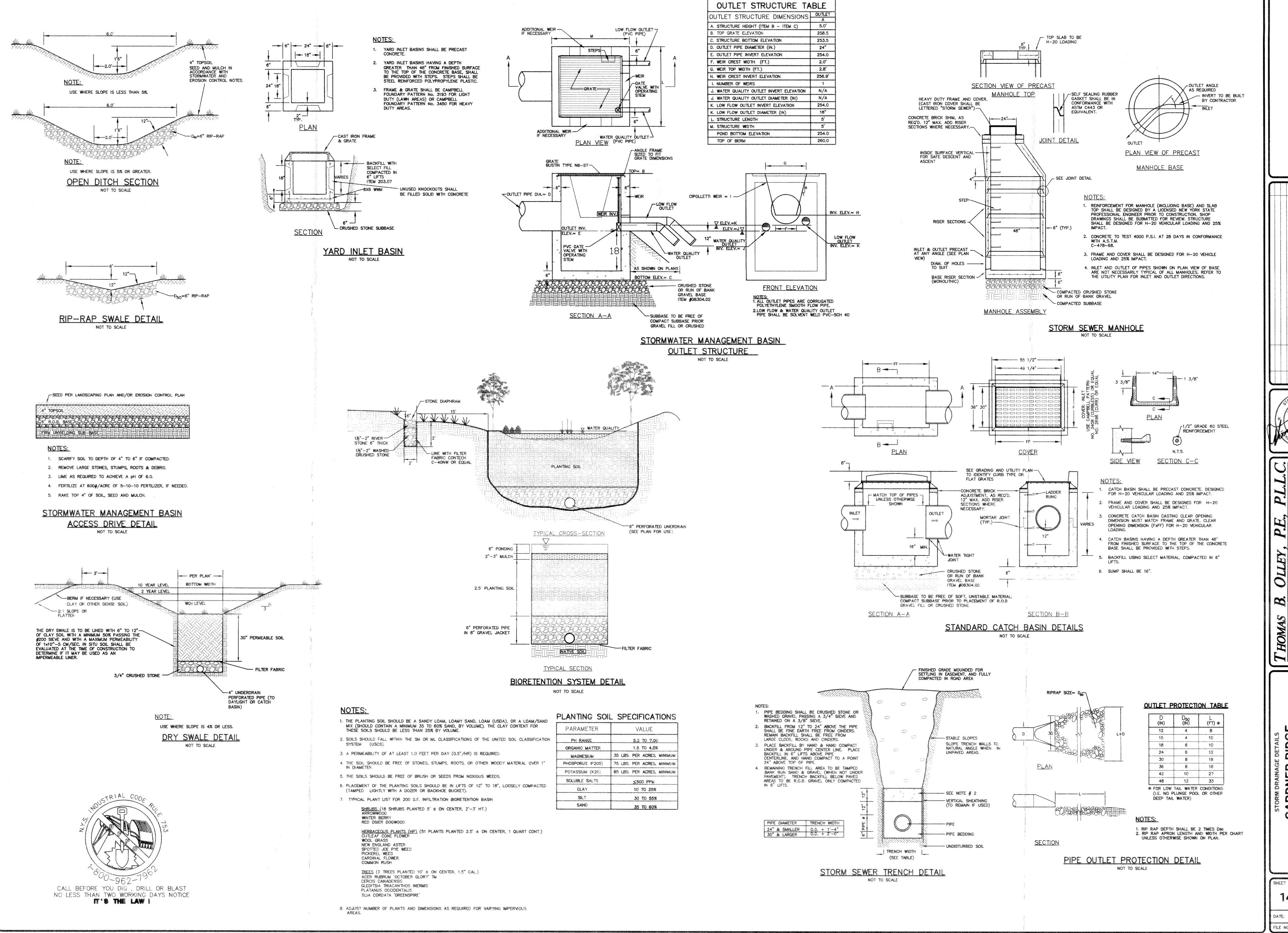


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DATE: JANUARY 28, 2016 FILE NO.



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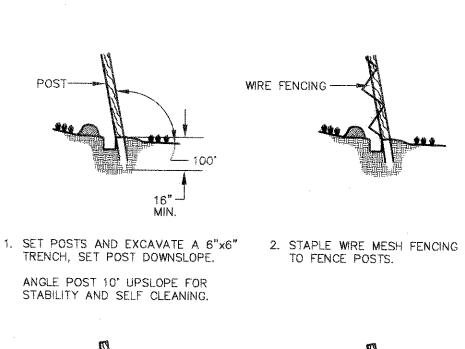
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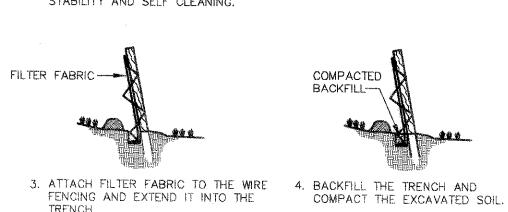
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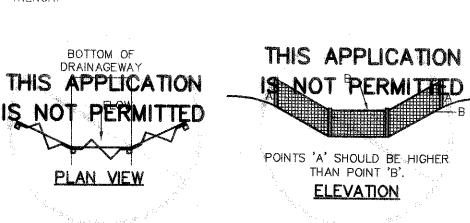
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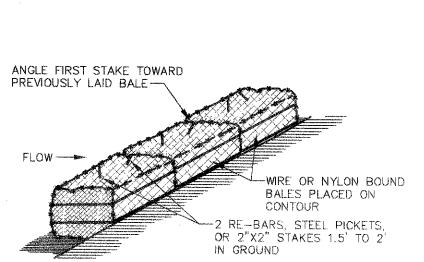
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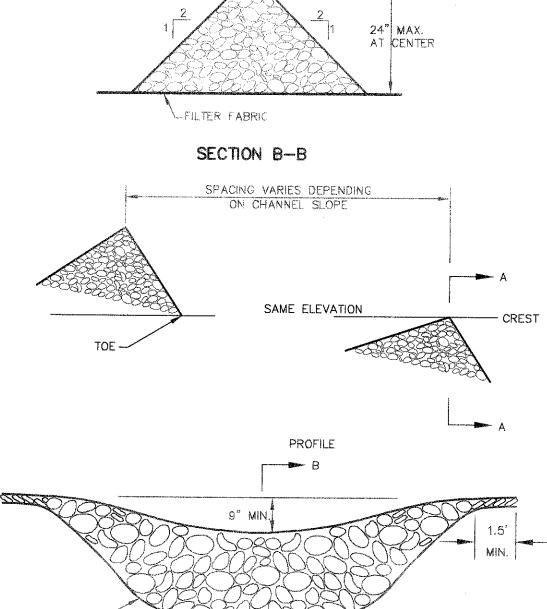
PLACEMENT AND CONSTRUCTION OF A SILT FENCE BARRIER NOT TO SCALE



EMBEDDING DETAIL

- M W 1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE
  - SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES
  - 4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - NESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. 6. HAYBALES SHALL BE PLACED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.

#### HAY BALE DETAILS



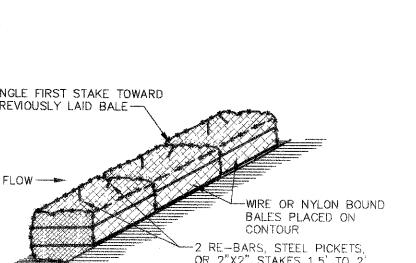
SECTION A-A

#### **CONSTRUCTION SPECIFICATIONS:**

FILTER FABRIC -

- 1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION. 2. SET SPACING OF CHECK DAMS TO ESTABLISH THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM AT THE SAME ELEVATION OF THE
- 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM
- 6. USE GRADED STONE 2 TO 15 INCHES IN SIZE (NYS-DOT LIGHT STONE FILL MEETSTHESE REQUIREMENTS).

#### CHECK DAM DETAILS NOT TO SCALE

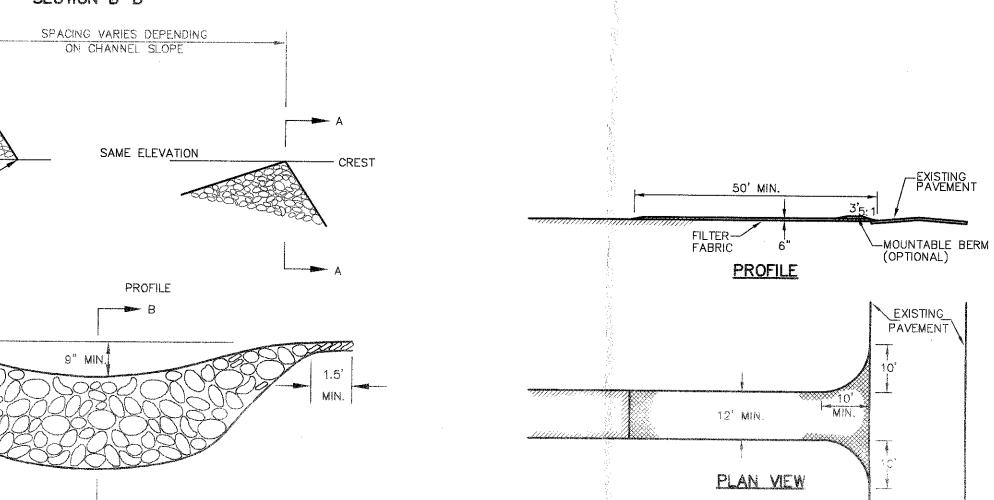


ANCHORING DETAIL

CONSTRUCTION SPECIFICATIONS

~ 4" VERTICAL FACE

- 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4". 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE
- 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL-



## CONSTRUCTION ENTRANCE NOTES

- 1. SURFACE SHALL BE 2" CRUSHED STONE OR RECLAIMED/RECYCLED CONCRETE. 2. THE MINIMUM LENGTH SHALL BE 50 FEET (30' FOR A SINGLE RESIDENCE LOT).
- 3. THE TRACKING PAD SHALL BE A MINIMUM OF 6" DEEP STONE.

FLOW

EMBANKMENT SLOPE-

IYPE 'B'

FROM THE TOE OF THE EMBANKMENT.

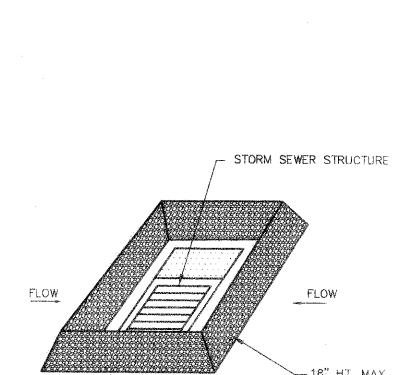
1. TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY

EXISTING GROUND

TOE OF SLOPE

- 4. THE MINIMUM WIDTH SHALL BE 12 FEET,
- 5. A FILTER FABRIC SHALL BE PLACED UNDER THE ENTRANCE PRIOR TO PLACEMENT OF THE STONE (CONTECH C-40NW OR EQUAL). 6. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION
- ENTRANCE THROUGH THE USE OF DIVERSION SWALES AND PIPING. IF PIPING IS IS NOT FEASIBLE, THEN A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE USED. 7. THE STABILIZED CONSTRUCTION ENTRANCE SURFACE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD OR SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. PERIODIC TOP DRESSING WITH ADDITIONAL STONE WILL BE NEEDED AS CONDITIONS DEMAND. REPAIR AND CLEAN ALL MEASURES USED TO TRAP SEDIMENT, ANY SEDIMENT THAT IS TRANSPORTED ON TO THE PUBLIC RIGHT OF WAY (IN ANY MANNER) MUST BE REMOVED

#### STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



-BALED HAY OR STRAW

VARIES DEPENDING ON HEIGHT

OF SLOPE AND STEEPNESS OF

RESULTING GRADE AT TOP O

SLOPE-EXISTING GROUND

INTERSECTION

-EMBANKMENT SLOPE

THIS APPLICATION

IS NOT PERMITTED

1. TO BE USED IN LOCATIONS WHERE THE EXISTING GROUND

SLOPES IN TOWARD THE TOE OF THE EMBANKMENT

OVERLAP EDGES

TWO STAKES PER BALE TYP

STAKED STRAW BALE

FILTERED WATER

PLAN VIEW

CROSS SECTION

1. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM

2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE

IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY

LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER.

HAYBALE STABILIZATION DETAIL

OF FOUR (4) INCHES AND PLACED SO THE BINDINGS ARE

SEDIMENT DEPOSIT-

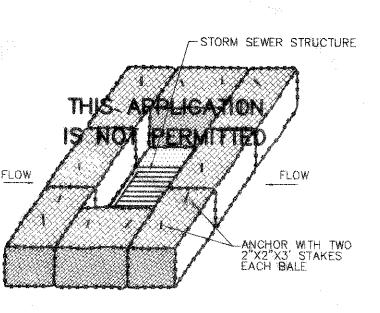
PLACE STAKE 1.5' TO 2'-

HAY BALE CHECK DAM

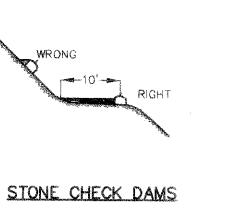
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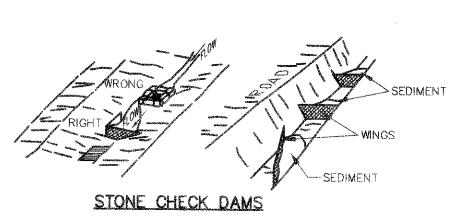
IYPE 'A

1. USE GRADED STONE 3/4" TO 2 INCHES IN SIZE (NYS-DOT LIGHT STONE FILL MEETS THESE REQUIREMENTS). STONE CHECK INSTALLATION AT CATCH BASINS

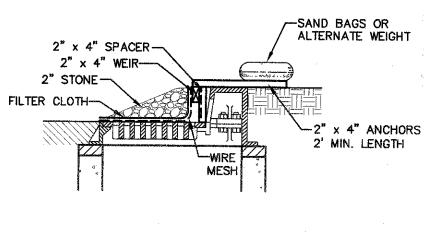


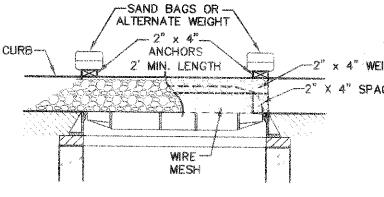
HAY BALE INSTALLATION AT CATCH BASINS





SEDIMENT CONTROL STRUCTURES

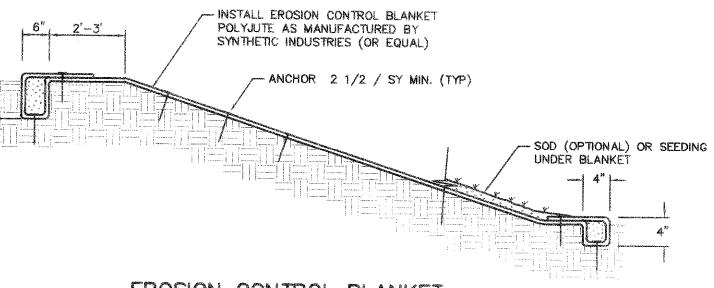




- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. 2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION 3. WRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH
- SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR. 4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART. 5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS. 6. MAXIMUM DRAINAGE AREA 1 ACRE

MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT

CURB DROP INLET PROTECTION



**EROSION CONTROL BLANKET** NOT TO SCALE

#### **GENERAL CONSTRUCTION NOTES:**

- 1. ALL CONTRACTORS SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN WRITTEN FOR THIS PROJECT.
- 2. CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AT THE SITE PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE FAMILIAR WITH THE
- INTENT OF THIS PLAN AND ENSURE THAT WORK TO BE PERFORM IS THE SAME.
- 3. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS, PERMITS, INSPECTION APPROVALS, ETC. FOR WORK PERFORMED FROM AGENCIES HAVING JURISDICTION
- 4. IF IN THE COURSE OF CONSTRUCTION A CONDITION EXISTS WHICH DISAGREES WITH THAT AS INDICATED ON THESE PLANS, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE ENGINEER. SHOULD HE FAIL TO FOLLOW THIS PROCEDURE AND CONTINUE WITH THE WORK, HE SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY ARISING
- 5. COMPACTION OF ALL FILL MATERIAL SECTIONS SHALL BE COMPLETED IN 6" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95% OF THE PROCTOR DENSITY.
- 6. MAINTAIN POSITIVE EROSION CONTROL DURING THE OPERATION UNTIL THE SITE IS
- 7. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TOPSOIL FOR RECLAMATION PROCEDURES AS NEEDED.
- B. THE ENTIRE SITE IS TO BE STABILIZED WITH VEGETATION WHEN FINAL GRADES ARE
- 9. TEMPORARY SEED MIX SHALL BE PERENNIAL RYEGRASS @ 30 POUNDS/ACRE OR AS

RECOMMENDED BY THE SULLIVAN COUNTY SOIL CONSERVATION DISTRICT.

- 10. PERMANENT SEED MIX SHALL BE THE FOLLOWING: COMMON WHITE CLOVER 8 LBS/ACRE, TALL FESCUE 20 LBS/ACRE, PERENNIAL RYEGRASS 5 LBS/ACRE OR AS RECOMMENDED BY THE SULLIVAN COUNTY SOIL CONSERVATION DISTRICT.
- 11. THE OPTIMUM TIME FOR SEEDING IS EARLY SPRING AND LATE AUGUST. HOWEVER SEEDING MAY BE PERFORMED AT OTHER TIMES PER YEAR IF PROPERLY MULCHED AND ADEQUATE MOISTURE PROVIDED. SEEDING IN AREAS THAT FAIL MUST BE RESEEDED DURING THE FOLLOWING OPTIMUM TIME FOR SEEDING.
- 12. CONTRACTORS SHALL NOTE THAT SOME OF THE SOILS LOCATED ON THE SITE ARE KNOWN TO HAVE PERCHED WATER TABLES. UPON ENCOUNTERING GROUNDWATER THE CONTRACTOR MAY MITIGATE EROSION AND SLOPE STABILITY IMPACTS BY ANY OF THE APPLICABLE METHODS DISCUSSED IN THE STORMWATER POLLUTION PREVENTION PLAN FOR THIS PROJECT OR SCHEDULING CONSTRUCTION IN THESE AREAS SO AS TO AVOID THEM DURING WET PERIODS OF THE

- AREAS, STOCKPILES SHALL BE SEEDED IN ACCORDANCE WITH THESE PLANS.
- 6. DUST CONTROL

1			
MATERIAL	WATER DILUTION	TYPE OF NOZZLE	n na
ACRYLIC POLYMER	9:1	COARSE SPRAY	
LATEX EMULSION	12.5: 1	FINE SPRAY	And the second s
RESIN IN WATER	4: 1	FINE SPRAY	

7. TEMFORARY AND PERMANENT SEEDING SEEDING PREPARATION INCLUDES REMOVAL OF DEBRIS, ROCKS, STUMPS AND OTHER UNACCEPTABLE MATERIALS. COMPACTED SOIL SHALL BE SCARIFIED PRIOR TO PLACEMENT OF TOPSOIL ADJUST PH TO 6.0 WITH LIME AND FERTILIZE WITH 600 LBS OF 5-10-10 OR EQUIVALENT PER ACRE. ALL DISTURBED AREAS SHALL BE TEMPORARILY SEEDED IF CONSTRUCTION DOES NOT RESUME IN 7 DAYS, AND BEFORE ANY SIGNIFICANT STORM EVENT WHICH MAY HAVE THE POTENTIAL TO CAUSE EROSION.

ALL APPROVED STOCKPILES AND OTHER DISTURBED OR GRADED AREAS SHALL BE SEEDED WITHIN 14 CALENDAR DAYS PROVIDED CONSTRUCTION GRADING ACTIVITY IS NOT CONTINUALLY ONGOING IN THESE LOCATIONS.

APPLY TEMPORARY SEEDING CONSISTING OF QUICK GERMINATING RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER. ACRE.

PERMANENT SEEDING SHALL BE COMPLETED WITHIN 7 DAYS OF COMPLETION OF FINAL GRADING. SEED MIXTURE SHALL BE APPLIED IN ACCORDANCE WITH THESE PLANS AND/OR

THE OPTIMUM TIME FOR PERMANENT SEEDING IS IN THE SPRING FROM MARCH 21 THROUGH MAY 20, AND IN LATE SUMMER AND EARLY FALL FROM AUGUST 25 TO OCTOBER 15. PERMANENT SEEDINGS MAY BE MADE ANY TIME OF YEAR IF PROPERLY MULCHED AND ADEQUATE MOISTURE IS PROVIDED, BROADCASTING, DRILLING WITH CULTIPACK TYPE SEEDER OR HYDROSEEDING ARE ACCEPTABLE. COLD WEATHER SEEDING SHALL BE PERFORMED

FRIABLE FINE TEXTURED SUBSOILS THAT ARE STRIPPED DURING EXCAVATION. COMPLETE ROUGH GRADING AND FINAL GRADING, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOW PERMEABLE, MEDIUM, AND FINE TEXTURED SUBSOIL AREAS. IN SOIL AREAS THAT ARE STEEPER THAN 5 PERCENT, SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE, REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN

TOPSOIL SHALL HAVE A MINIMUM OF 2 PERCENT AND A MAXIMUM OF 6 PERCENT (BY WEIGHT) OF FINE TEXTURED STABLE ORGANIC MATERIAL TOPSOIL SHALL HAVE NOT LESS THAN 20 PERCENT FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15 PERCENT CLAY, TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1 1/2 INCHES IN DIAMETER.

INCHES FOR THE LAWN AREAS AND 2" FOR UNMOWED GRASS AREAS. TOPSOIL SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, NOR ON FROZEN SLOPES OR OVER ICE, SNOW OR STANDING WATER. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5 PERCENT SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

#### INCHES BY DISKING OR OTHER SUITABLE METHODS.

THE OWNER OR QUALIFIED REPRESENTATIVE OF THE OWNER SHALL INSPECT THE EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE EVERY 7 CALENDAR DAYS AT A MINIMUM, THESE MEASURES INCLUDE THE DISTURBED AREAS OF THE CONSTRUCTION SITE, THE AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO STRUCTURAL CONTROL MEASURES AND THE LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE. WHERE PORTIONS OF THE CONSTRUCTION AREA HAVE BEEN FINALLY STABILIZED, INSPECTION OF SUCH PORTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH UNTIL THE ENTIRE SITE IS FINALLY STABILIZED.

THE TERM "FINALLY STABILIZED" MEANS THAT ALL THE SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 % FOR THE AREA HAS BEEN ESTABLISHED OR EQUIVALENT STABILIZATION MEASURES (SUCH AS THE USE OF MULCHES OR GEOTEXTILES) HAVE BEEN EMPLOYED.

10. MAINTENANCE REQUIREMENTS AND SCHEDULES EROSION AND SEDIMENT CONTROL MEASURES ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL MEASURES AS DESIGNED.

SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES APPROXIMATELY 6 INCHES DEEP AT THE FENCE. ENSURE THAT NO CONCENTRATED FLOWS ARE DIRECTED TOWARDS THE FENCE. REPLACE THE SILT FENCE WHEN "BULGES" DEVELOP IN THE FENCE.

MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

. TEMPORARY DIVERSION SWALES TEMPORARY DIVERSION SWALES WILL BE INSTALLED IMMEDIATELY UPHILL OF AREAS SCHEDULED TO BE DISTURBED FOR THE PURPOSE OF DIVERTING STORMWATER. SWALES

SHALL BE MAINTAINED UNTIL THE REGRADED SITE IS STABILIZED WITH PERMANENT SEEDING. 2. STABILIZED CONSTRUCTION ENTRANCE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED IMMEDIATELY ADJACENT TO THE EXISTING PAVEMENT. DURING WET WEATHER IT MAY NECESSARY TO WASH VEHICLE TIRES AT THIS LOCATION. THE ENTRANCE SHALL BE GRADED OFF SO THAT

RUNOFF WILL BE DIRECTED TO AN EXISTING CATCH BASIN AND AWAY FROM THE PAVEMENT.

EROSION & SEDIMENT CONTROL MEASURES

3. SILT FENCE SILT FENCES SHALL BE INSTALLED IN THE LOCATIONS SPECIFIED ABOVE, AROUND TOPSOIL STOCKPILE AREAS, AT THE BASE OF ALL DISTURBED SLOPES, AND AT INTERVALS

NECESSARY TO PREVENT CONCENTRATION OF FLOW. 4. VEGETATION PROTECTION

DUMP TRUCKS DO NOT DAMAGE TREE BRANCHES.

ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING CATCH BASINS.

LIMIT SOIL PLACEMENT OVER EXISTING TREES AND SHRUB ROOTS TO A MAXIMUM OF 3 INCHES USE SOILS WITH LOAMY TEXTURES AND GOOD STRUCTURE. CONSTRUCT STURDY FENCES, WOOD OR STEEL BARRIERS, OR OTHER PROTECTIVE DEVICES TO SURROUND AND PROTECT SENSITIVE OR VALUABLE VEGETATION FROM CONSTRUCTION EQUIPMENT. PLACE BARRIERS FAR ENOUGH FROM TREES SO THAT TALL EQUIPMENT SUCH AS BACKHOES AND

CONSTRUCTION LIMITS SHOULD BE IDENTIFIED AND CLEARLY MARKED TO EXCLUDE EQUIPMENT. IT IS STRONGLY RECOMMENDED THAT CONSTRUCTION FENCING BE UTILIZED TO PROTECT AREAS THAT ARE NOT TO BE DISTURBED. OBSTRUCTIVE AND BROKEN BRANCHES SHOULD BE PRUNED PROPERLY. EXISTING VEGETATION SHOULD BE PRESERVED WHERE ATTAINABLE

5. LAND GRADING FINISH LAND SURFACES WILL BE GRADED AS INDICATED ON THE PLANS. AT A MAXIMUM, NO MORE THAN 5 ACRES OF UNPROTECTED SOIL SHOULD BE EXPOSED AT ANY ONE TIME.

AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL. REMOVE TREES. VEGETATION. ROOTS. OR OTHER UNACCEPTABLE MATERIAL. FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER ORGANIC MATERIAL FROZEN MATERIAL SHALL NOT BE PLACED IN THE FILL NOR SHALL THE FILL MATERIAL BE PLACED ON A FROZEN FOUNDATION.

UNLESS OTHERWISE NOTED, PROVIDE TEMPORARY VEGETATION BY SEEDING BARE SOIL WITHIN 7 DAYS OF EXPOSURE UNLESS CONSTRUCTION WILL BEGIN WITHIN 14 DAYS, IF CONSTRUCTION IS SUSPENDED, ALL AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY.

FINISH GRADING SHALL BE COMPLETED SO AS TO PREVENT WATER FROM STANDING ON THE SURFACE OF LAWNS FOR MORE THAN 24 HOURS AFTER THE END OF A RAINFALL. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION WILL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED, NON-SODDED

AREAS THAT ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE INCHES PRIOR TO PLACEMENT OF TOPSOIL.

15 MPH CONSTRUCTION ZONE SPEED LIMIT SIGNS SHALL BE ERECTED IN ALL AREAS WHERE DUSTLESS SURFACES HAVE NOT BEEN CONSTRUCTED.

CONSTRUCTION OPERATIONS SHALL BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF VEGETATION SHALL BE LEFT WHERE POSSIBLE. THE SITE, INCLUDING HAUL ROADS AND ACCESS ROADS, CAN BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. THE FOLLOWING SPRAY ADHESIVES CAN BE USED ON MINERAL

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	
ACRYLIC POLYMER	9:1	COARSE SPRAY	Committee of the Commit
LATEX EMULSION	12.5: 1	FINE SPRAY	Marie de l'Agrico de la Segrego de la Seg
RESIN IN WATER	4: 1	FINE SPRAY	

THE RECOMMENDATIONS OF THE LOCAL SOIL & WATER CONSERVATION DISTRICT.

USING WINTER GERMINATING SEED SUCH AS WINTER RYE. 8. TOPSOIL/MULCHING WHERE VEGETATION WILL BE ESTABLISHED, PRESERVE AND APPLY EXISTING TOPSOIL AND

DIAMETER AND OTHER LITTER.

TOPSOIL SHALL BE PLACED AT A UNIFORM DEPTH OF 4 INCHES FOR THE STEEP SLOPES, 6

IF SOIL IS COMPACTED OR CRUSTED, SURFACE SHOULD BE LOOSENED TO AT LEAST TWO

9. INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES

ALL SEEDED AREAS SHALL BE FERTILIZED, RE-SEEDED AS NECESSARY AND MULCHED TO

SEDIMENT SPILLED, DROPPED OR WASHED ONTO EXISTING MACADAM ROADWAYS MUST BE MOVED IMMEDIATELY. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING THE STORM DRAINS. ADDITIONAL AGGREGATE SHALL BE ADDED TO THE STABILIZED CONSTRUCTION ENTRANCES AS REQUIRED

MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

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15 OF 15