



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

PROJECT NAME: CHADWICK WOODS – 5 LOT SUBDIVISION
PROJECT NO.: 19-02
PROJECT LOCATION: 174 ROUTE 300
SECTION 14, BLOCK 1, LOT 51
REVIEW DATE: 9 FEBRUARY 2024
MEETING DATE: 15 FEBRUARY 2024
PROJECT REPRESENTATIVE: ENGINEERING & SURVEYING PROPERTIES

1. The NYSDOT has identified conceptual approval for the two common driveways proposed. A 27 April 2023 email identifies that tree clearing will be required for sight distance at the driveways. It is requested the clearing limits be depicted on the plans such that the tree clearing is complete prior to issuance of building permits. A note should be placed on the map requiring the tree clearing identified by NYSDOT to be completed.
2. A Public Hearing for the project was held on 4 May 2023. The hearing was closed at that time after the applicant waived the 62 day timeframe.
3. The applicant's representative has provided calculations in support of the design of the 1.5 inch water services proposed to each of the residences. It is noted that the calculations identify a 1.5 inch water service for each of the residences while the plans identify 1 inch services.
4. Emergency vehicle pull offs may be required based on length of the driveway per the 2020 Fire Code. Comments from Code Compliance regarding this should be received.
5. Coverage under the NYSDEC Stormwater Permit Program is required. Any approval should be conditioned upon receipt of the permit prior to any stamping of the plans.
6. A tree preservation plan has been provided identifying calculations for tree removal on the site. These sample plots were utilized in compliance with the recently adopted changes to the Tree Preservation Ordinance. No threshold in the Tree Preservation Ordinance will be exceeded based on the information provided by the applicant's representative.
7. A note should be added to the plans identifying the limits of disturbance will be marked in the field with orange construction fence prior to site grading occurring. In addition, trees to be removed should be specifically identified in the field within the limits of disturbance.
8. Sub-surface sanitary sewer disposal systems have been modified per our previous comments.

NEW YORK OFFICE

33 Airport Center Drive, Suite 202, New Windsor, NY 12553
845-567-3100 | F: 845-567-3232 | mheny@mhepc.com

PENNSYLVANIA OFFICE

111 Wheatfield Drive, Suite 1, Milford, PA 18337
570-296-2765 | F: 570-296-2767 | mhepa@mhepc.com

Respectfully submitted,

MHE Engineering, D.P.C.

A handwritten signature in blue ink that reads "Patrick J. Hines". The signature is written in a cursive style with a large initial 'P'.

Patrick J. Hines
Principal

PJH/ltn



Montgomery Office: 71 Clinton Street
Montgomery, NY 12549
Goshen Office: 262 Greenwich Ave, Ste B
Goshen, NY 10924
(845) 457 - 7727
www.EngineeringPropertiesPC.com

January 24, 2024

Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, NY 12550

**RE: CHADWICK WOODS – 5 LOT SUBDIVISION
PROJECT NO. 19-02
174 NYS ROUTE 300
TOWN OF NEWBURGH**

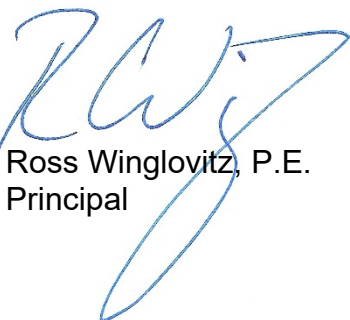
Dear Planning Board:

We are in receipt of the technical review comments regarding the above-mentioned project dated April 28, 2023 from MH&E Consulting Engineers, D.P.C. Below is a comment-by-comment response;

1. See attached sheet C-104. The tree preservation plan addresses the Town's Tree Clearing Ordinance requirements per the new revision. Less than 50% of the total inches in diameter of the Significant and Specimen Trees will be removed. Less than 75% of the total inches in diameter of the Protected Trees will be removed. No reforestation or restitution plan is required.
2. No Response Required.
3. See attached hydrant testing analysis. The rear lots will have adequate pressure utilizing the current proposed 1.5-inch laterals.
4. We request that the common driveway Access and Maintenance Agreements be a condition of approval.
5. NYSDEC Construction Stormwater Permit NOI will be filed prior to building permit. See General Note #9 on sheet RS-1.

If you need any additional information, please do not hesitate to contact this office.

Sincerely,
Engineering & Surveying Properties, PC



Ross Winglovitz, P.E.
Principal

BULK REQUIREMENTS

TOWN OF NEWBURGH - ZONING DISTRICT RR
PROPOSED USE: SINGLE-FAMILY DWELLINGS

MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT #1	LOT #2	LOT #3	LOT #4	LOT #5
LOT AREA	2 ACRES	2.01 ACRES	2.01 ACRES	2.02 ACRES	2.01 ACRES	6.88 ACRES
LOT WIDTH	200 FEET	256.3 FEET	228.7 FEET	200 FEET	220 FEET	280.3 FEET
LOT DEPTH	300 FEET	414.9 FEET	376.8 FEET	414.2 FEET	304.5 FEET	1053 FEET
FRONT YARD	60 FEET	166.4 FEET	201.0 FEET	136.2 FEET	113.7 FEET	91.6 FEET
REAR YARD	100 FEET	213.4 FEET	106.6 FEET	233.7 FEET	137 FEET	900.1 FEET
SIDE YARD (ONE / BOTH)	50 / 100 FEET	56.0 / 161.9 FEET	96.2 / N/A FEET	64.9 / 135.1 FEET	71.0 / 179.8 FEET	54.9 / 228.6 FEET

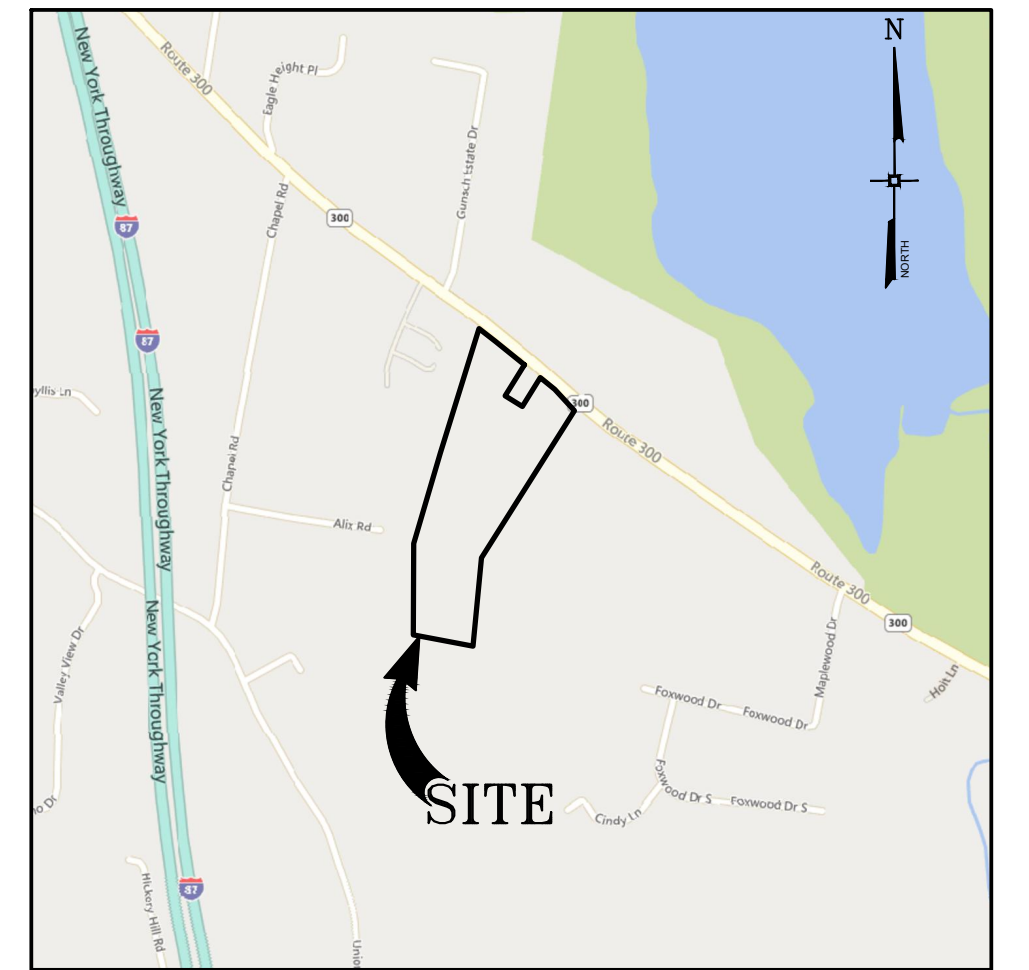
MAXIMUM ALLOWABLE						
BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT	< 35 FT
LOT SURFACE COVERAGE	10 %	< 10 %	< 10 %	< 10 %	< 10 %	< 10 %
LOT COVERAGE (BUILDINGS)	10 %	< 10 %	< 10 %	< 10 %	< 10 %	< 10 %

SURVEYOR'S NOTES:

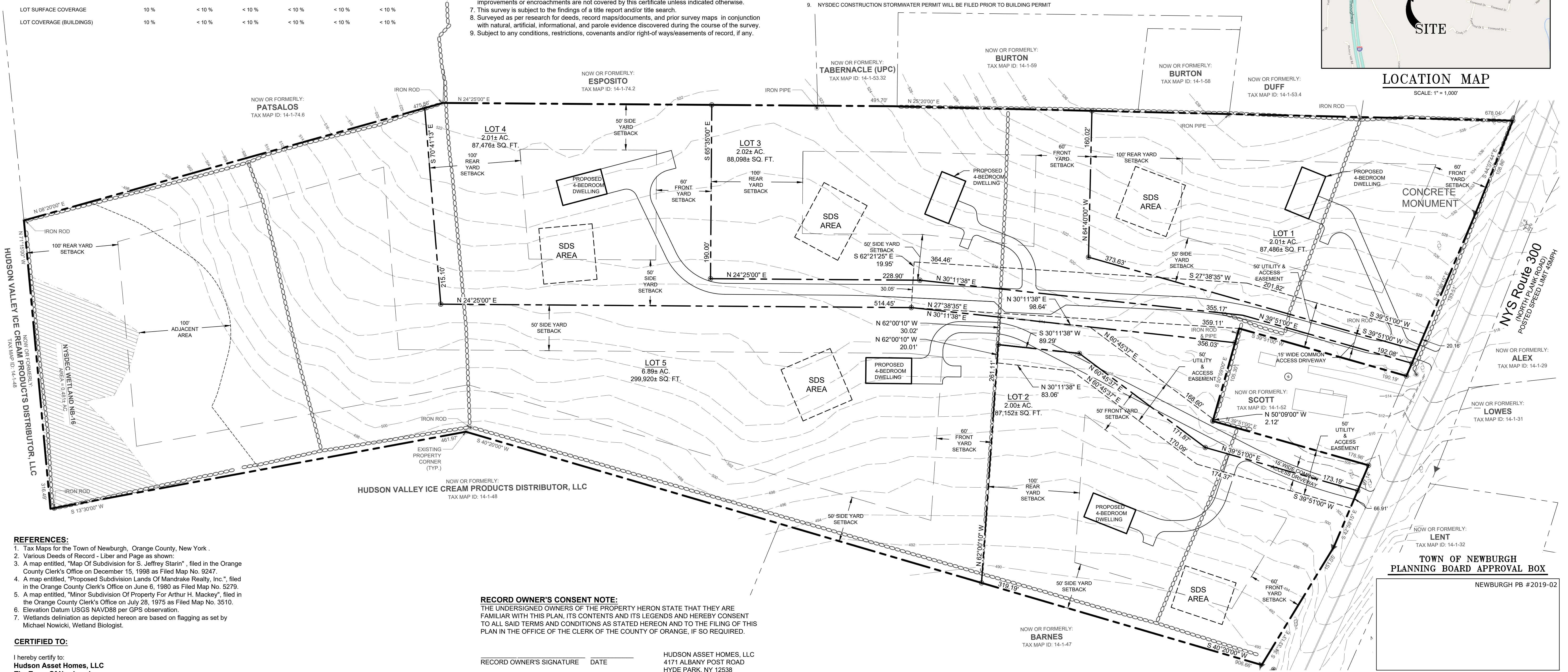
- Copyright © 2023, Jonathan N. Millen, L.L.S. All Rights Reserved. Reproduction or copying of this document is a violation of copyright law unless permission of the author and/or copyright holder is obtained.
- Unauthorized alteration of an item in any way, or addition to a survey map for any person, 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 **signature overlaid with embossed seal** are genuine true and correct copies of the surveyor's original work and opinion. Copies without an embossed seal and underlying signature may contain unauthorized and undetectable modifications, deletions, additions, and changes, and are not to be relied upon. A copy of this document without the 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 this survey map was prepared, to the title company, to the governmental agency, and to the lending institution.
- 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 unless indicated otherwise.
- This survey is subject to the findings of a title report and/or title search.
- Surveyed as per research for deeds, record maps/documents, and prior survey maps in conjunction with natural, artificial, informational, and parole evidence discovered during the course of the survey.
- Subject to any conditions, restrictions, covenants and/or right-of-ways/easements of record, if any.

GENERAL NOTES

- TAX MAP IDENTIFICATION NUMBER: SECTION 14 BLOCK 1 LOT 51
- TOTAL AREA OF SUBJECT PARCEL: 14.91± ACRES.
- BOUNDARY AND PLANIMETRIC INFORMATION BASED UPON FIELD SURVEY AS PERFORMED BY JONATHAN N. MILLEN, LLS ON MARCH 2018.
- THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 SOURCE 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.
- OWNER/APPLICANT: HUDSON ASSET HOMES, LLC
4171 ALBANY POST ROAD
HYDE PARK, NY 12538
- PROPOSED NUMBER OF LOTS: 5
- ALL PROPOSED LOT SHALL BE SERVICED BY INDIVIDUAL SEPTICS AND TOWN WATER.
- COMMON DRIVEWAYS SHALL BE NAMED PRIOR TO APPROVAL.
- NYSDEC CONSTRUCTION STORMWATER PERMIT WILL BE FILED PRIOR TO BUILDING PERMIT



LOCATION MAP
SCALE: 1" = 1,000'



REFERENCES:

- Tax Maps for the Town of Newburgh, Orange County, New York.
- Various Deeds of Record - Liber and Page as shown.
- A map entitled, "Map Of Subdivision for S. Jeffrey Starin", filed in the Orange County Clerk's Office on December 15, 1998 as Filed Map No. 9247.
- A map entitled, "Proposed Subdivision Lands Of Mandrake Realty, Inc.", filed in the Orange County Clerk's Office on June 6, 1980 as Filed Map No. 5279.
- A map entitled, "Minor Subdivision Of Property For Arthur H. Mackey", filed in the Orange County Clerk's Office on July 28, 1975 as Filed Map No. 3510.
- Elevation Datum USGS NAVD88 per GPS observation.
- Wetlands delineation as depicted hereon are based on flagging as set by Michael Nowicki, Wetland Biologist.

CERTIFIED TO:

I hereby certify to:
Hudson Asset Homes, LLC
The Town Of Newburgh

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. Unless indicated otherwise, property corners were not set.

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 along NYS Route 300 in the Town of Newburgh, County of Orange, State of New York. Completed in April, 2016, 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".

NOTE:

Tax Map Identification Number: Section 14, Block 1, Lot 51

Record Owner:
Hudson Asset Homes, LLC
4171 Albany Post Road
Hyde Park, NY 12538

RECORD OWNER'S CONSENT NOTE:

THE UNDERSIGNED OWNERS OF THE PROPERTY HERON STATE THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND ITS LEGENDS 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 ORANGE, IF SO REQUIRED.

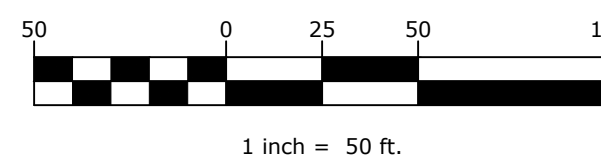
RECORD OWNER'S SIGNATURE _____ DATE _____

HUDSON ASSET HOMES, LLC
4171 ALBANY POST ROAD
HYDE PARK, NY 12538

No.	DATE	DESCRIPTION
1	10/05/22	REVISED PER PLANNING BOARD COMMENTS
2	10/31/22	REVISED LOT LAYOUT
3	03/23/23	REVISED GRADING FOR DRIVEWAY LAYOUT
4	04/21/23	REVISED PER ENGINEERS COMMENTS
5	05/05/23	REVISED PER ENGINEERS COMMENTS
6	10/17/23	TREE PRESERVATION PLAN
7	01/19/24	REVISED PER PLANNING BOARD COMMENTS

DRAWING STATUS	ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	01/19/2024
CONCEPT APPROVAL	N/A OF N/A
PLANNING BOARD APPROVAL	1 OF 10
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 / CONSTRUCTION	N/A OF N/A

THIS PLAN AND ALL THE INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR USE BY WHOM THE SERVICES WERE CONTRACTED OR TO WHOM IT IS CERTIFIED. THIS DRAWING MAY NOT BE COPIED, REUSED, DISCLOSED, DISTRIBUTED OR RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF ENGINEERING & SURVEYING PROPERTIES, PC. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).



Jonathan N. Millen, L.L.S.

PROFESSIONAL LAND SURVEYOR
CERTIFIED TO BE CORRECT AND ACCURATE
N.Y. LIC. No. 050746

NOT VALID WITHOUT EMBOSSED SEAL & SIGNATURE

Boundary, Wetlands, & Topographic Survey

of the lands of
Hudson Asset Homes, LLC

Automated Construction Enhanced Solutions, Inc.
Professional Land Surveying
1229 Route 300 - Suite 4 - Newburgh, NY 12550
Office: 845-943-5198 Field: 914-906-8830 E-Mail: jmillenlls@accessurveying.com

Prepared For Tax Map Parcel

14-1-51

aka Chadwick Woods

situated in the

Town of Newburgh

County of Orange, New York 12550

DATE: 04/30/2016 SCALE: 1"=50' JOB No.: 17073 DRAWN BY: jnm

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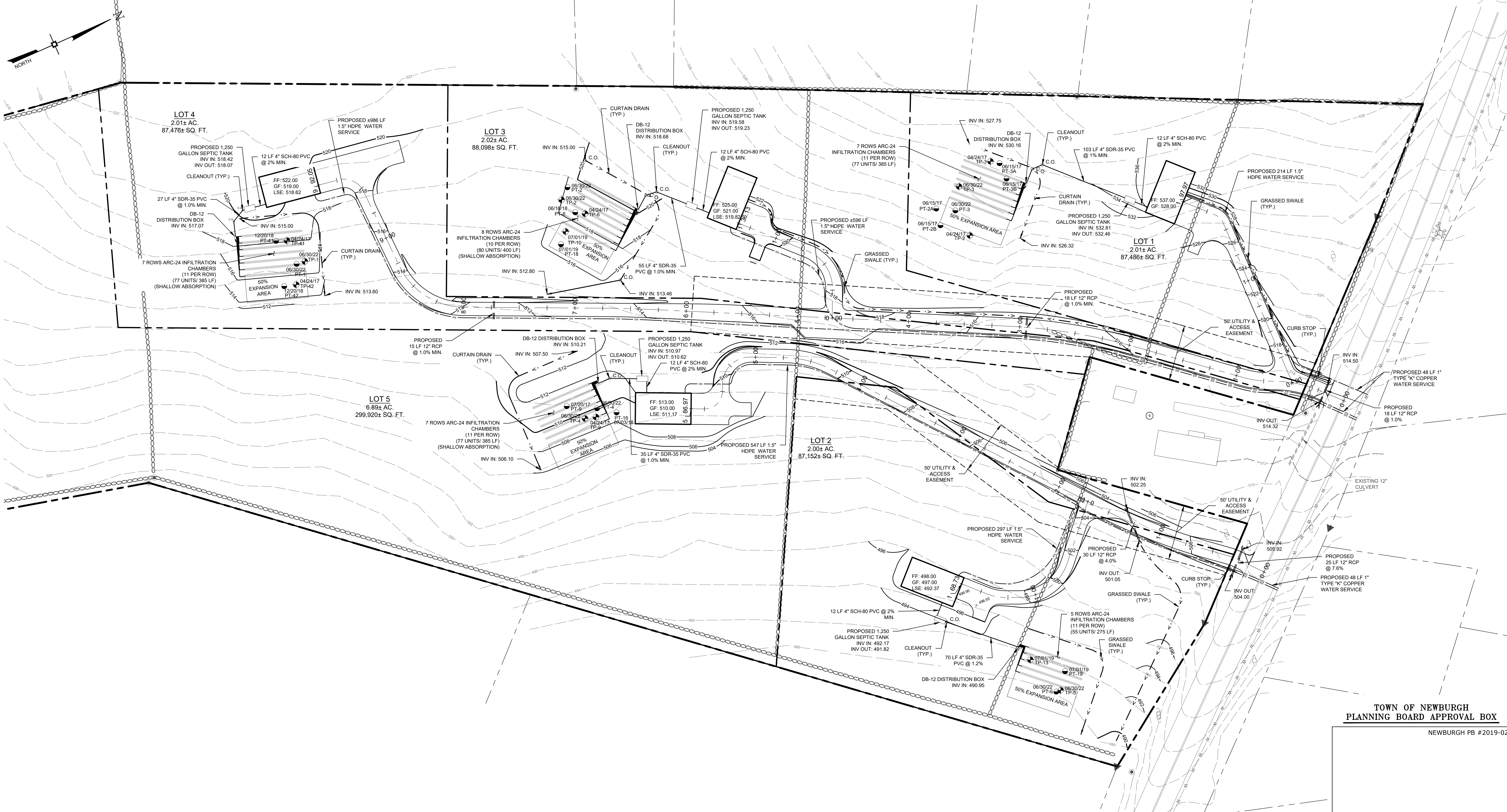
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71 CLINTON STREET
MONTGOMERY, NY 12549
Ph: (845) 457-7727
WWW.EP-PC.COM

REALTY SUBDIVISION PLAN

CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

JOB #: 1325.05 DRAWN BY: MP
DATE: 08/01/2022 SCALE: 1"=50'
REVISION: 7 - 01/19/2024 TAX LOT: 14-1-51

RS-1



**TOWN OF NEWBURGH
PLANNING BOARD APPROVAL BOX**

NEWBURGH PB #2019-02

No.	DATE	DESCRIPTION
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<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	2	OF	10
<input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
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<input type="checkbox"/> OTHER:	N/A	OF	N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF	N/A

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RWJ

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

1 inch = 40 ft.

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GRADING & UTILITY PLAN

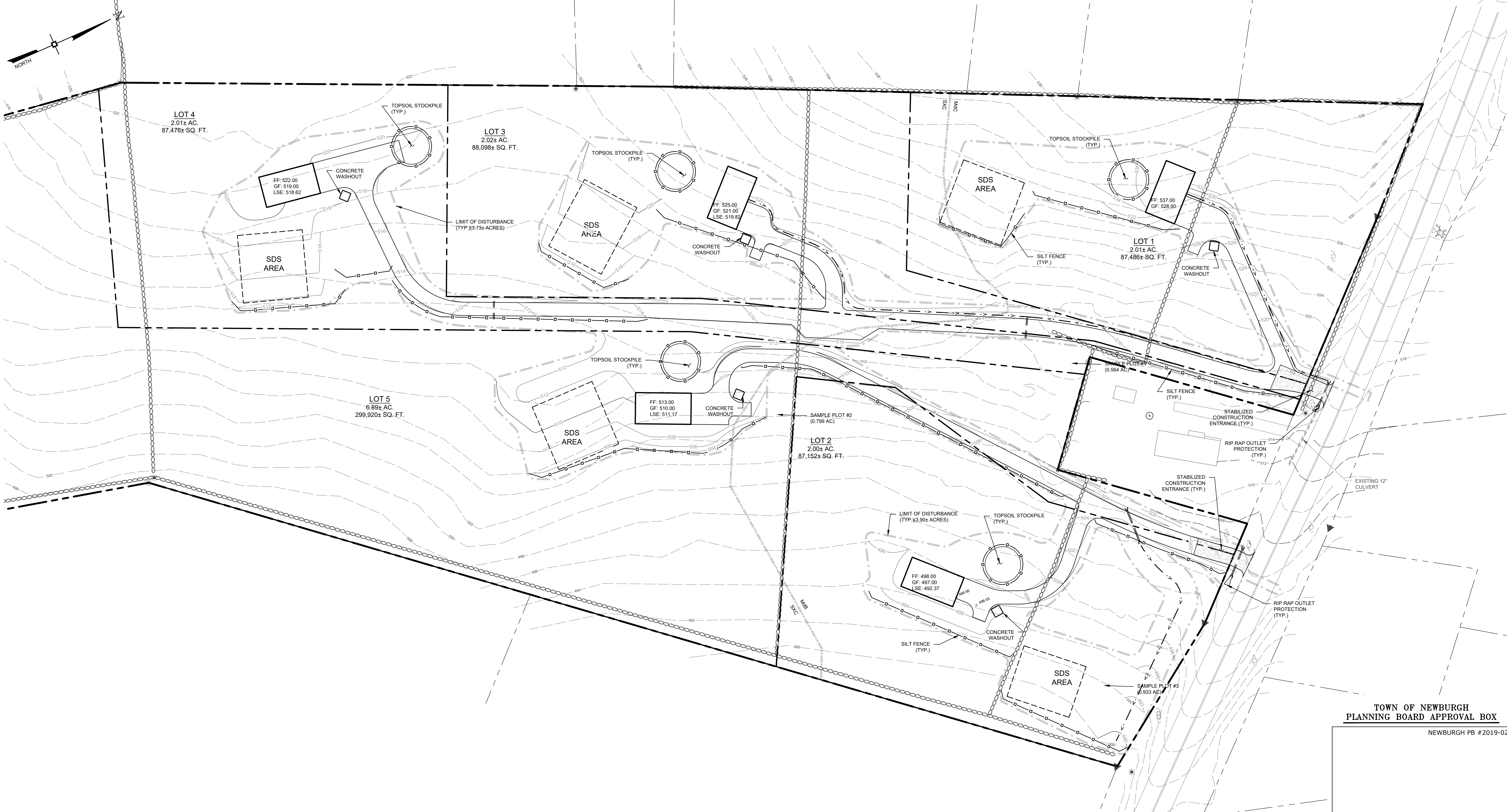
CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: 1"=40'
TAX LOT: 14-1-51

C-101

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Date Plotted: Jan 19, 2024, 2:54pm



**TOWN OF NEWBURGH
PLANNING BOARD APPROVAL BOX**

NEWBURGH PB #2019-02

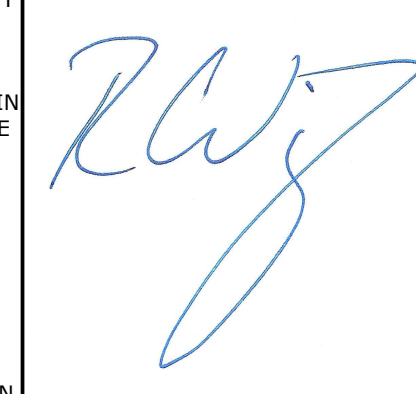
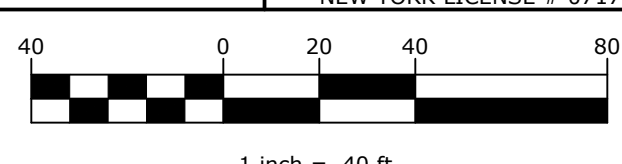
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	SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	3	OF 10
<input type="checkbox"/> OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
<input type="checkbox"/> OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYS DOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER:	N/A	OF N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF N/A

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NEW YORK LICENSE # 071701

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EROSION & SEDIMENT CONTROL PLAN

CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

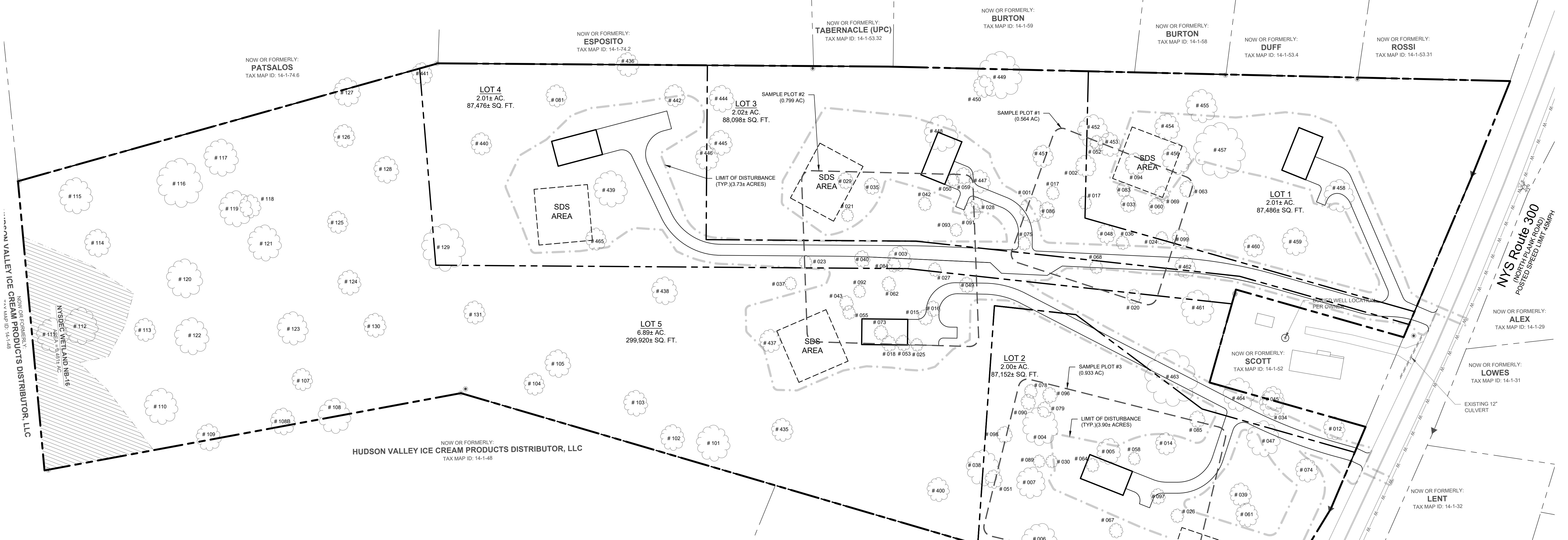
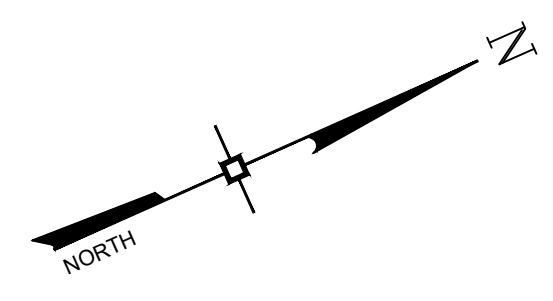
JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: 1"=40'
TAX LOT: 14-1-51

C-102

© Users: WCLLTP-1\Agricultural\Local\Temp\WCPublish_23496\1325-05 - Subdivision Plan.dwg
Date Plotted: Jan 19, 2024, 2:54pm

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TOWN OF NEWBURGH TREE PRESERVATION AND PROTECTION TABLE										
TREE CLASSIFICATION (TOTAL NUMBER OF TREES)	TOTAL DBH WITHIN SAMPLE PLOTS	INTERPOLATION FACTOR (SITE/DISTURBANCE)	TOTAL DBH INCHES ON SITE	DISTURBANCE THRESHOLD	TOTAL DBH INCHES DISTURBED	OVER THRESHOLD	DBH INCHES REPLANTINGS REQUIRED	DBH INCHES PROPOSED FOR REPLANTING	RESTITUTION FEE AFTER REPLANTINGS	
SIGNIFICANT (55)	597	6.48 / 1.62	3868.56	1934.28 (50%)	967.14	NO	0	0	\$0.00	
SPECIMEN (65)	217	6.48 / 1.62	1406.16	703.08 (50%)	351.54	NO	0	0	\$0.00	
PROTECTED (23)	129	6.48 / 1.62	835.92	417.96 (75%)	208.98	NO	0	0	\$0.00	

TREE PLAN NOTES

- TREE IDENTIFICATION BY TODD HILL, ARBORIST OF HILL TREEKEEPERS.
- TREE LOCATIONS SHOWN ON PLAN WERE LOCATED BY JONATHAN N. MILLEN, L.L.S. ON OCTOBER 12, 2023.
- AREA INTERPOLATION CALCULATION:
 TOTAL AREA OF SITE: 14.91 ACRES (3 SAMPLE PLOTS REQUIRED)
 TOTAL AREA TO BE DISTURBED: 3.73 ACRES
 TOTAL AREA OF SAMPLE PLOTS: 2.30 ACRES
 INTERPOLATION FACTOR OF TREES ON SITE = $14.91/2.30 = 6.48$
 INTERPOLATION FACTOR OF TREES TO BE DISTURBED = $3.73/2.30 = 1.62$

TREE CRITERIA

- PROTECTED:** (CIRCUMFERENCE, HEIGHT, AND SPREAD) EQUAL TO OR GREATER THAN 50% OF THE SIZE IDENTIFIED ON THE NEW YORK BIG TREE CHAMPIONS LIST)
- SPECIMEN:** (TRUCK DIAMETER OF 24 INCHES OR LARGER AT DBH)
- SIGNIFICANT:** (TRUCK DIAMETER OF 14 INCHES OR LARGER AT DBH)

Tree Reference Table

Tag #:	Diameter	Type	Classification	DBH	Type	Classification	DBH	Type	Classification	DBH	Type	Classification	DBH	Type	Classification
001	SPECIMEN	28"	Black Oak	042	SIGNIFICANT	15"	Pig Nut Hickory	084	SPECIMEN	28"	White Oak	118	SPECIMEN	25"	Red Maple
002	SPECIMEN	24"	Black Oak	043	SIGNIFICANT	16"	Pig Nut Hickory	085	SIGNIFICANT	18"	Black Walnut	119	PROTECTED	39"	Red Maple
003	SPECIMEN	27"	Red Oak	044	SPECIMEN	27"	Sugar Maple	086	SIGNIFICANT	18"	Black Cherry	120	PROTECTED	42"	Red Maple
004	PROTECTED	42"	Red Maple	045	SPECIMEN	26"	Black Walnut	087	SPECIMEN	24"	White Oak	121	PROTECTED	39"	Swamp Oak
005	SPECIMEN	28"	Red Maple	047	SPECIMEN	39"	Black Walnut	088	SPECIMEN	25"	Red Maple	122	PROTECTED	40"	Sugar Maple
006	PROTECTED	43"	Red Maple	048	SIGNIFICANT	21"	Sugar Maple	089	SIGNIFICANT	14"	Basswood	123	SPECIMEN	36"	White Oak
007	SPECIMEN	34"	Red Maple	049	SIGNIFICANT	17"	Pig Nut Hickory	090	SIGNIFICANT	17"	Red Oak	124	SPECIMEN	25"	Tulip Poplar
012	SPECIMEN	25"	Black Walnut	050	SIGNIFICANT	14" & 10"	Multi-Stem Pig Nut Hickory	091	PROTECTED	20"	Pig Nut Hickory	125	SPECIMEN	24"	Red Maple
014	SPECIMEN	24"	Sugar Maple	051	SIGNIFICANT	20"	Red Maple	092	SIGNIFICANT	14"	Pig Nut Hickory	126	SPECIMEN	25"	Red Maple
015	SIGNIFICANT	17"	Pig Nut Hickory	052	SIGNIFICANT	16"	Pig Nut Hickory	093	SIGNIFICANT	14" & 10"	Pig Nut Hickory	127	SPECIMEN	31"	White Oak
016	SIGNIFICANT	17"	Pig Nut Hickory	053	SIGNIFICANT	17"	Pig Nut Hickory	094	SPECIMEN	24"	Red Oak	128	SPECIMEN	29"	Red Maple
017	SIGNIFICANT	15"	Black Cherry	055	SIGNIFICANT	15"	Sugar Maple	095	SPECIMEN	24"	Sugar Maple	129	PROTECTED	51"	White Oak
018	SIGNIFICANT	17"	Pig Nut Hickory	057	SIGNIFICANT	24"	Not on Property	096	SIGNIFICANT	17"	Sugar Maple	130	SPECIMEN	26"	Red Maple
019	SPECIMEN	26"	Red Maple	058	SIGNIFICANT	14"	Not on Property	097	SIGNIFICANT	17"	Sugar Maple	131	SPECIMEN	25"	White Oak
020	SIGNIFICANT	16"	Sugar Maple	059	SIGNIFICANT	18"	Pig Nut Hickory	098	SIGNIFICANT	18"	Elm	400	SPECIMEN	26"	Triple White Ash
021	SIGNIFICANT	14"	Sugar Maple	060	SIGNIFICANT	18"	Sugar Maple	099	SIGNIFICANT	20"	Tulip Poplar	435	SPECIMEN	25"	White Oak
023	SIGNIFICANT	15"	White Oak	061	SPECIMEN	26"	Sugar Maple	101	SPECIMEN	39"	Red Oak	436	PROTECTED	26"	Shag Bark Hickory
024	SIGNIFICANT	14"	Sugar Maple	062	SIGNIFICANT	16" & 6"	Multi-Stem Sugar Maple	102	SPECIMEN	28"	Red Oak	437	SPECIMEN	25"	White Oak
025	SIGNIFICANT	14"	Norway Maple	063	SIGNIFICANT	18"	Sugar Maple	103	SPECIMEN	28"	Sugar Maple	438	SPECIMEN	30"	Double Pig Nut Hickory
026	SIGNIFICANT	15"	White Oak	064	SIGNIFICANT	15"	Shag Bark Hickory	104	SPECIMEN	24"	Red Oak	439	SIGNIFICANT	39"	Double Shag Bark Hickory
027	SIGNIFICANT	15" & 12"	Multi-Stem	065	PROTECTED	60"	Multi-Stem Basswood	105	SPECIMEN	30"	Sugar Maple	440	SPECIMEN	24"	Double White Ash
028	SIGNIFICANT	14"	Pig Nut Hickory	067	SIGNIFICANT	16"	Pig Nut Hickory	107	SPECIMEN	24"	White Oak	441	SPECIMEN	24"	Red Oak
029	SIGNIFICANT	18"	Tulip Tree	068	SIGNIFICANT	15"	Sugar Maple	108	SPECIMEN	29"	White Oak	442	PROTECTED	24"	Pig Nut Hickory
030	SIGNIFICANT	14"	White Oak	069	SIGNIFICANT	17"	Sugar Maple	108	SPECIMEN	38"	White Oak	443	SPECIMEN	24"	Not on Property
032	SIGNIFICANT	17"	Sugar Maple	070	SPECIMEN	24"	White Ash	109	SPECIMEN	29"	White Oak	444	SPECIMEN	29"	Red Oak
033	SIGNIFICANT	18"	Sugar Maple	073	PROTECTED	16"	Pig Nut Hickory	110	PROTECTED	39"	Sugar Maple	445	PROTECTED	27"	Pig Nut Hickory
034	SPECIMEN	28"	Black Walnut	074	SPECIMEN	26"	Sugar Maple	111	PROTECTED	37"	Red Maple	446	PROTECTED	27"	Shag Bark Hickory
035	SIGNIFICANT	17" & 18"	Multi-Stem	075	SIGNIFICANT	15"	Sugar Maple	112	PROTECTED	40"	Swamp Oak	447	SPECIMEN	25"	White Ash
036	SIGNIFICANT	15"	Sugar Maple	078	SIGNIFICANT	15"	Sugar Maple	113	SPECIMEN	25"	Red Maple	448	SPECIMEN	39"	Triple White Ash
037	SIGNIFICANT	14"	Pig Nut Hickory	079	SIGNIFICANT	17"	Sugar Maple	114	SPECIMEN	30"	Red Maple	449	PROTECTED	51"	American Sycamore
038	SPECIMEN	39"	Red Maple	081	SPECIMEN	24"	White Oak	115	SPECIMEN	39"	Silver Maple	450	PROTECTED	24"	Shag Bark Hickory
039	SPECIMEN	25"	Black Walnut	082	SIGNIFICANT	14"	Sugar Maple	116	PROTECTED	53"	Red Maple	451	PROTECTED	24"	Shag Bark Hickory
040	SIGNIFICANT	9", 12" & 18"	Multi-Stem Pig Nut Hickory	083	SIGNIFICANT	16"	Sugar Maple	117	SPECIMEN	40"	Tulip Tree	452	SPECIMEN	36"	Red Oak

DRAWING STATUS		ISSUE DATE:	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		01/19/2024	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	4	OF	10
<input type="checkbox"/> OCCDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCCDH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OTHER:	N/A	OF	N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF	N/A

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

1 inch = 50 ft.

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TREE PRESERVATION PLAN

CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: 1"=50'
TAX LOT: 14-1-51

C-103

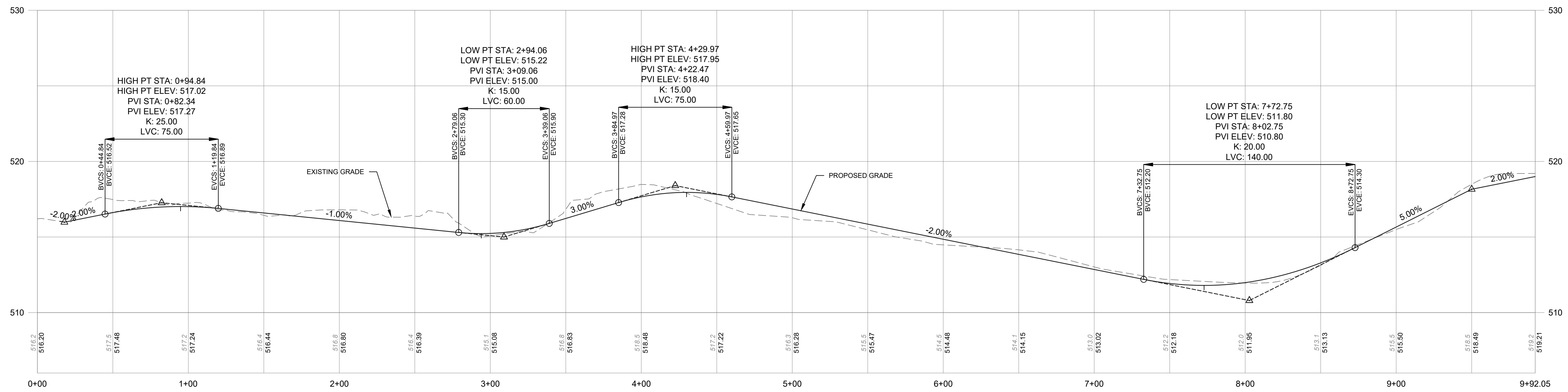
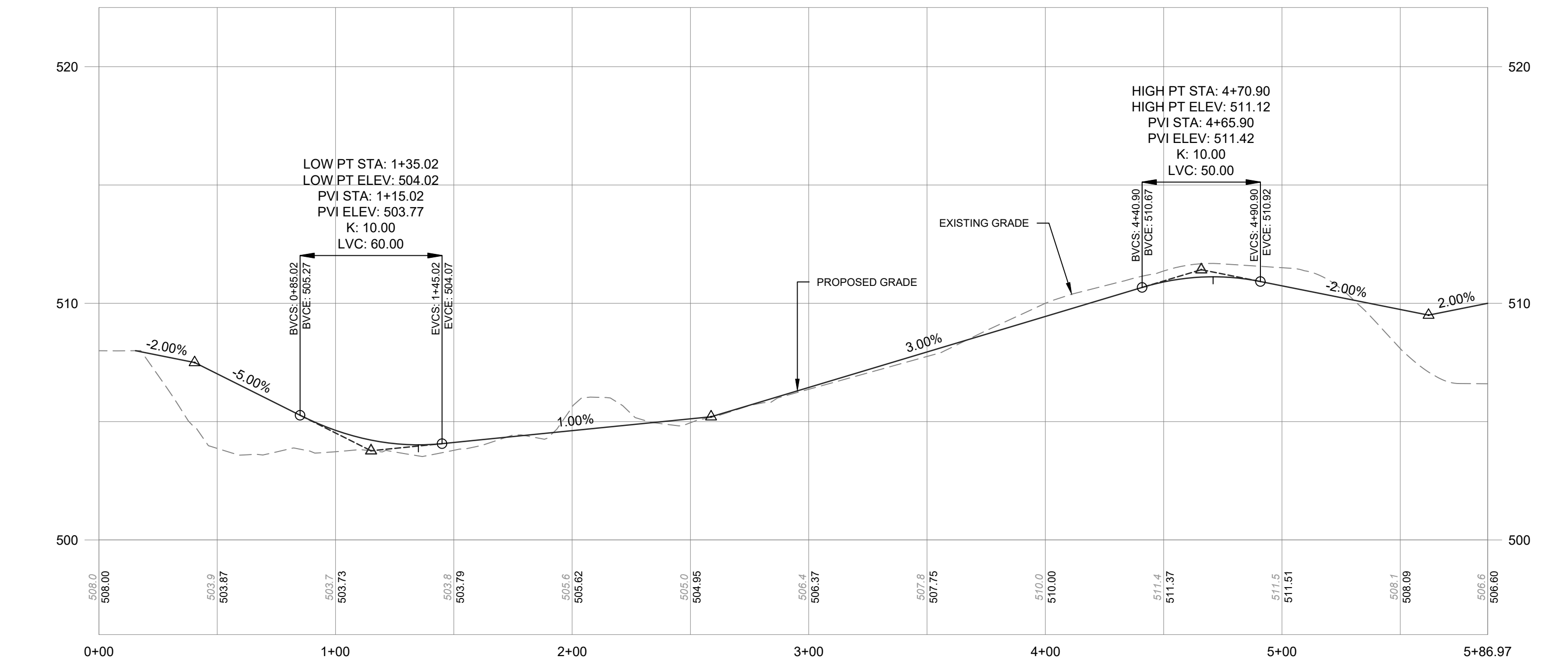
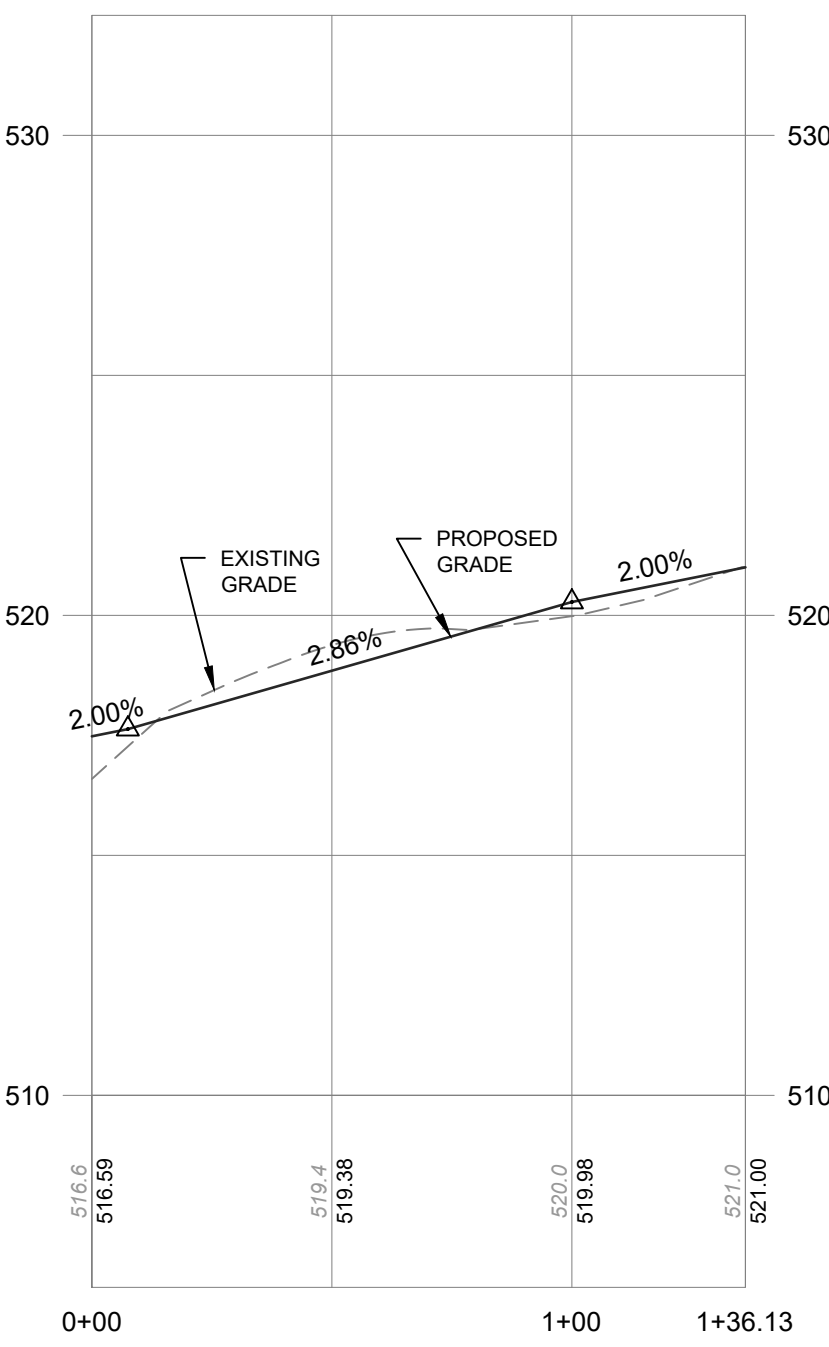
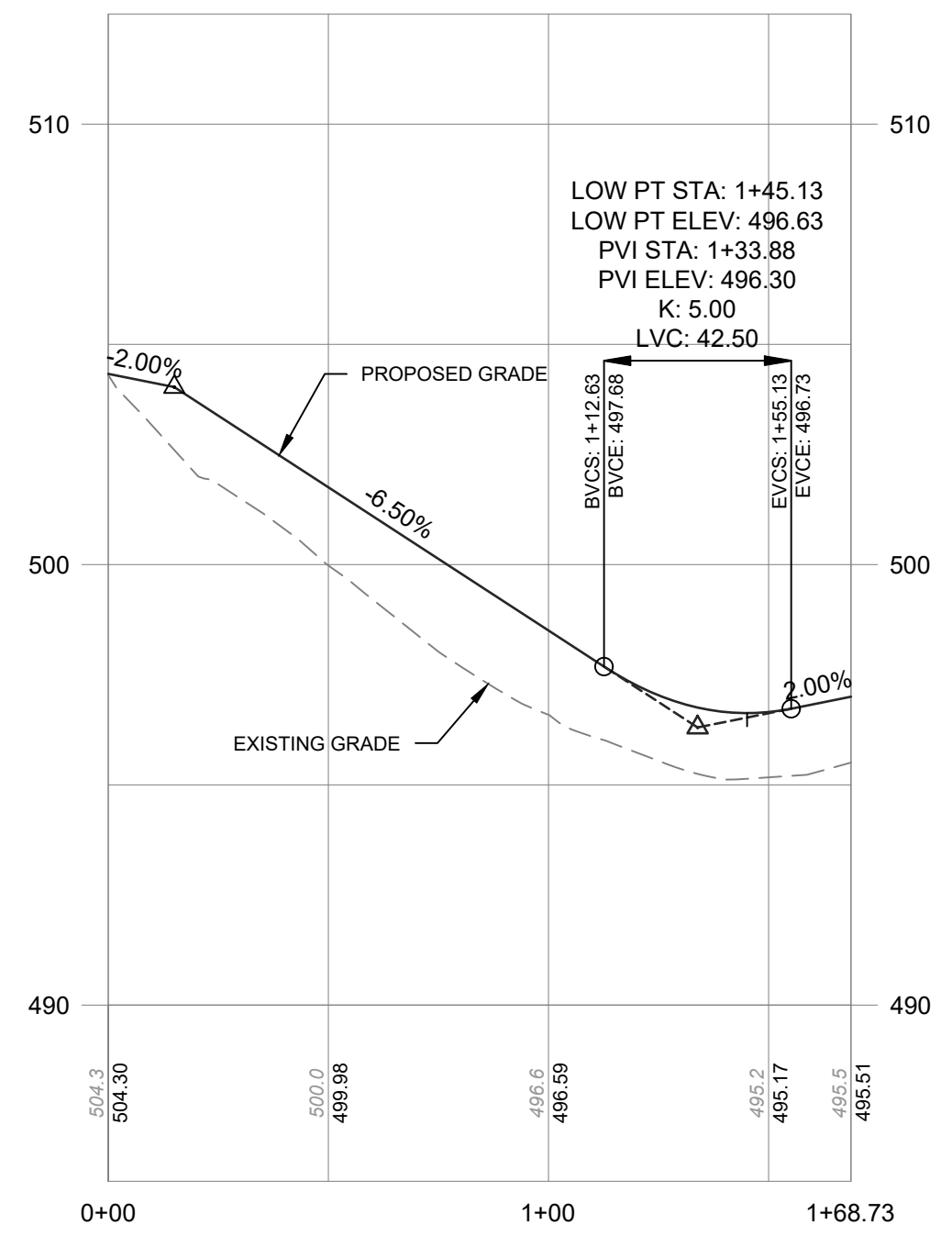
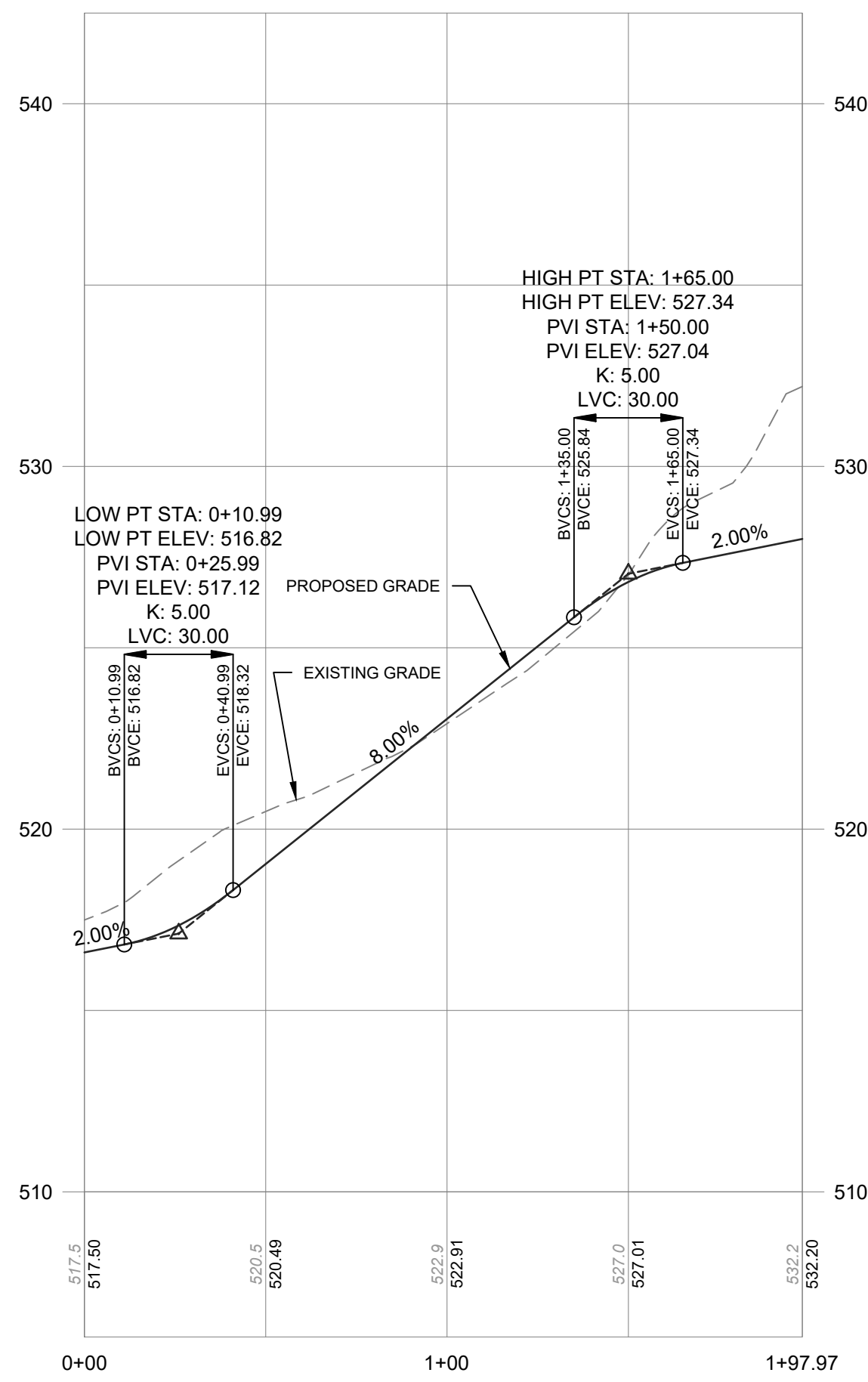
TOWN OF NEWBURGH PLANNING BOARD APPROVAL BOX

NEWBURGH PB #2019-02

TOWN OF 1 TAX MAP

© Users: J.MILLER - R:\projects\local\Temp\ACPublish\23496\1325-05 - Subdivision Plan.dwg
Date Printed: Jan 19, 2024, 2:54pm

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**TOWN OF NEWBURGH
 PLANNING BOARD APPROVAL BOX**
 NEWBURGH PB #2019-02

No.	DATE	DESCRIPTION
1	10/05/22	REVISED PER PLANNING BOARD COMMENTS
2	10/31/22	REVISED LOT LAYOUT
3	03/23/23	REVISED GRADING FOR DRIVEWAY LAYOUT
4	04/21/23	REVISED PER ENGINEERS COMMENTS
5	05/05/23	REVISED PER ENGINEERS COMMENTS
6	10/17/23	TREE PRESERVATION PLAN
7	01/19/24	REVISED PER PLANNING BOARD COMMENTS

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		01/19/2024
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	5	OF 10
<input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
<input type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER:	N/A	OF N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF N/A

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PROFILES

CHADWICK WOODS
 ROUTE 300
 TOWN OF NEWBURGH
 ORANGE COUNTY, NEW YORK

JOB #: 1325.05
 DATE: 08/01/2022
 REVISION: 7 - 01/19/2024

DRAWN BY: MP
 SCALE: 1"=40'
 TAX LOT: 14-1-51

C-201

PERCOLATION TEST RESULTS

LOT #	PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	PERCOLATION TEST RUNS - STOPWATCH USED FOR ALL TESTS (TIME FOR 1" DROP IN WATER LEVEL)	STABILIZED RATE				
1	06/30/22 PT-3	24"	8"	FINISH		6 MIN				
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:01:22	00:02:11	00:04:15	00:05:18	00:05:33		
				00:03:27	00:04:44	00:04:59				
2	06/15/17 *PT-2B	24"	8"	FINISH	01:10	01:47	02:32	03:29	04:49	54 MIN
				START	12:52	01:11	01:48	02:35	03:30	
				00:18	00:36	00:44	00:54	00:54		
				00:03:27	00:04:44	00:04:59				
3	06/15/17 PT-5	24"	8"	FINISH						5 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:03:27	00:04:44	00:04:59				
				00:03:02	03:17	03:32				
4	07/01/19 *PT-19	24"	8"	FINISH						14 MIN
				START	02:49	03:03	03:18			
				00:13	00:14	00:14				
				00:03:02	03:17	03:32				
5	06/30/22 PT-2	24"	8"	FINISH						9 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:01:45	00:03:06	00:05:58	00:07:45	00:08:27		
				00:01:45	00:03:06	00:05:58	00:07:45	00:08:27		
6	06/16/18 *PT-6	24"	8"	FINISH	12:40	01:30	02:18			47 MIN
				START	12:20	12:43	01:31			
				00:20	00:47	00:47				
				12:40	01:30	02:18				
7	06/30/22 PT-1	24"	8"	FINISH						15 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:06:25	00:11:04	00:14:42	00:15:37			
				00:06:25	00:11:04	00:14:42	00:15:37			
8	12/20/18 *PT-41	24"	8"	FINISH	01:31	02:29	03:27			57 MIN
				START	12:47	01:32	02:30			
				00:44	00:57	00:57				
				01:31	02:29	03:27				
9	06/30/22 PT-4	24"	8"	FINISH						22 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:12:42	00:18:12	00:20:22	00:21:01			
				00:12:42	00:18:12	00:20:22	00:21:01			
10	07/20/17 *PT-9	24"	8"	FINISH						50 MIN
				START	STOPWATCH USED FOR TIMED INTERVALS					
				00:35	00:46	00:50	00:50			
				00:35	00:46	00:50	00:50			

* TESTING PERFORMED BY TALCOTT ENGINEERING DESIGN, PLLC

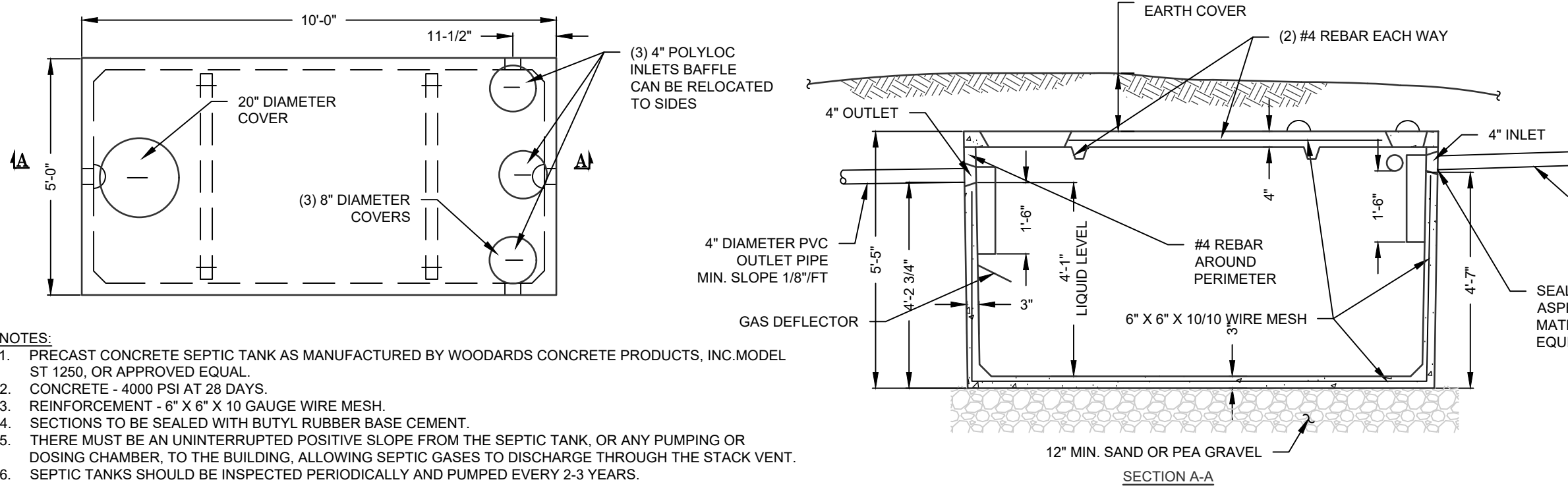
DEEP TEST HOLE RESULTS

LOT #	TEST HOLE #	DATE	DEPTH	DESCRIPTION
1	TP-3	06/30/22	0' - 12' 12' - 8'	TOPSOIL W/ COBBLES BROWN SILTY LOAM W/ COBBLES NO ROCK, NO WATER, NO MOTTLING
	*TP-2	04/24/17	0' - 6' 6' - 32' 32' - 78'	TOPSOIL CLAY LOAM WET CLAY LOAM "DAMP" NO ROCK, NO WATER, NO MOTTLING
2	TP-5	06/30/22	0' - 6' 6' - 4' 4' - 8'	TOPSOIL TAN SILTY CLAY LOAM BROWN SILTY CLAY SANDY GRAVELLY LOAM NO ROCK, NO WATER, NO MOTTLING
	*TP-13	07/01/19	0' - 6' 6' - 30'	TOPSOIL CLAY LOAM NO ROCK, NO WATER, NO MOTTLING
3	TP-2	06/30/22	0' - 6' 6' - 4' 4' - 8'	TOPSOIL TAN SILTY CLAY LOAM BROWN SILTY CLAY SANDY GRAVELLY LOAM NO ROCK, NO WATER, NO MOTTLING
	*TP-6	04/24/17	0' - 6' 6' - 40' 40' - 60'	TOPSOIL CLAY LOAM WET CLAY LOAM W/ GRAVEL NO ROCK, WATER @ 40', MOTTLING @ 40'
4	TP-1	06/30/22	0' - 10' 10' - 27' 27' - 7' 7' - 8'	TOPSOIL W/ COBBLES TAN SILTY CLAY LOAM W/ COBBLES TAN SILTY CLAY SANDY LOAM W/ COBBLES TAN SILTY SANDY LOAM NO ROCK, WATER @ 90', NO MOTTLING
	*TP-41	04/24/17	0' - 6' 6' - 24' 24' - 72'	TOPSOIL CLAY LOAM W/ GRAVEL CLAY LOAM NO ROCK, WATER @ 30', NO MOTTLING
5	TP-4	06/30/22	0' - 6' 6' - 36' 36' - 8'	TOPSOIL W/ COBBLES TAN SILTY CLAY LOAM BROWN SILTY SANDY GRAVELLY LOAM NO ROCK, WATER @ 6', MOTTLING @ 55'
	*TP-9	04/24/17	0' - 6' 6' - 60'	TOPSOIL CLAY LOAM W/ STONES NO ROCK, WATER @ 40', NO MOTTLING

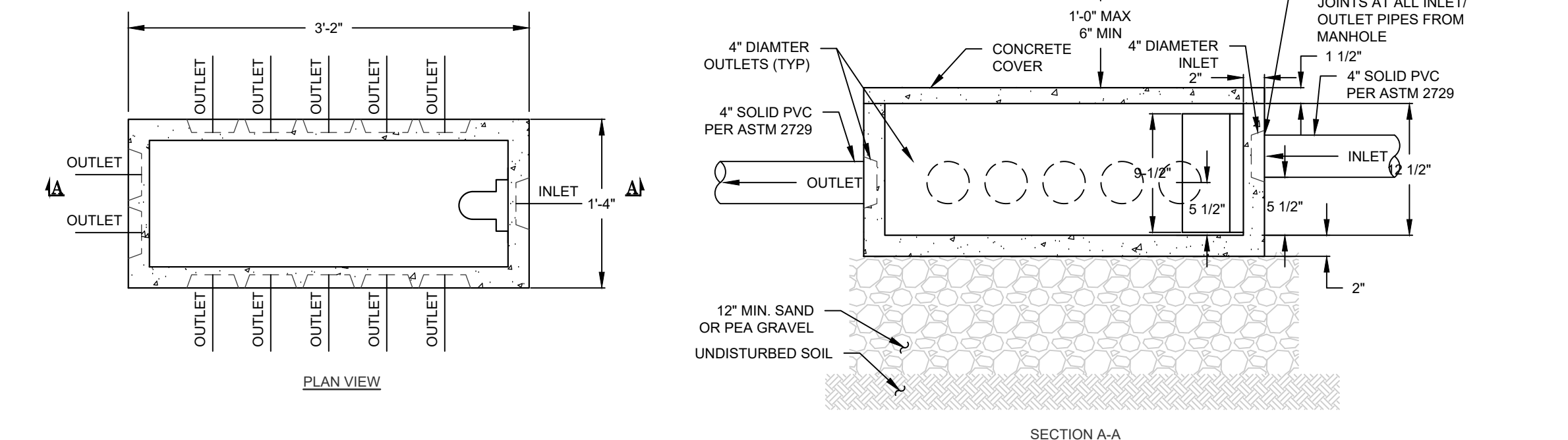
* TESTING PERFORMED BY TALCOTT ENGINEERING DESIGN, PLLC

SEPTIC SYSTEM DESIGN SCHEDULE

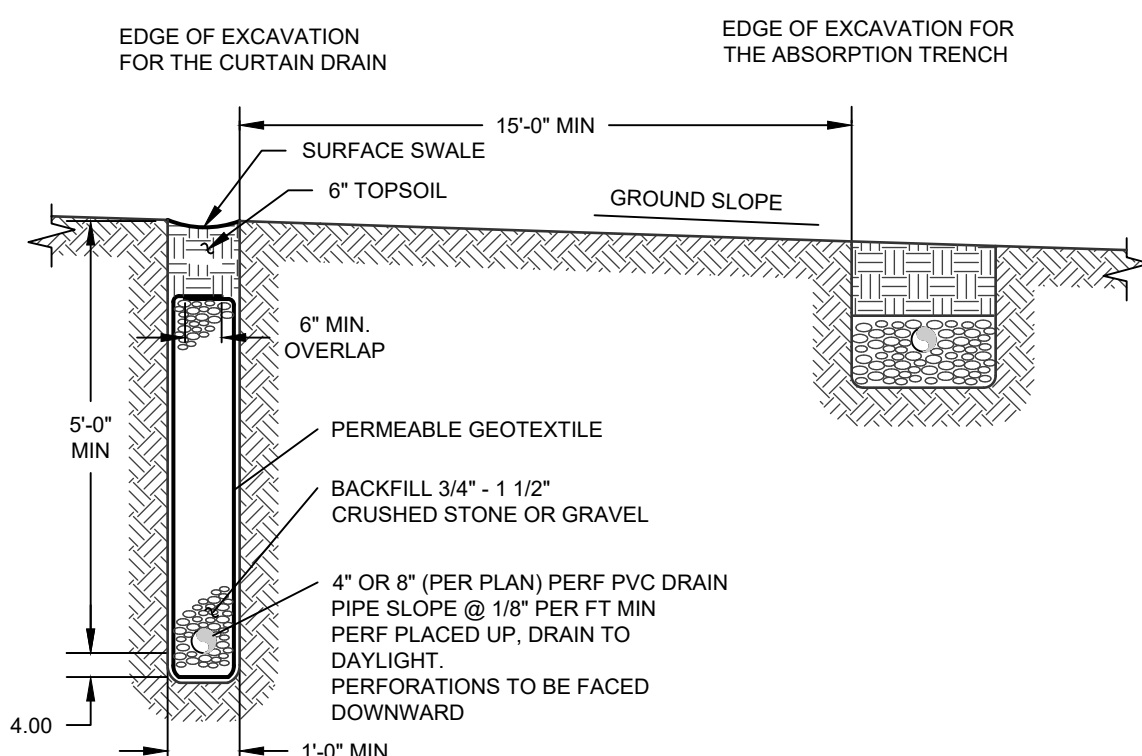
LOT #	NUMBER OF BEDROOMS	DESIGN PERC RATE (min)	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. ft.)	REQUIRED AREA (Sq. ft.)	REQUIRED ABSORPTION FIELD LENGTH (ft) (BASED UPON 2' WIDE TRENCH)	REQUIRED FIELD LENGTH BASED USING GRAVELESS CHAMBERS (25% REDUCTION)	PROPOSED ABSORPTION FIELD LENGTH (ft)
1	4	54	440	0.45	978	489	367	7 LATERALS @ 55' 77 CHAMBERS (385' TOTAL)
2	4	14	440	0.80	550	275	207	5 LATERALS @ 55' 55 CHAMBERS (275' TOTAL)
3	4	47	440	0.45	978	489	367	7 LATERALS @ 55' 77 CHAMBERS (385' TOTAL)
4	4	57	440	0.45	978	489	367	7 LATERALS @ 55' 77 CHAMBERS (385' TOTAL)
5	4	50	440	0.45	978	489	367	7 LATERALS @ 55' 77 CHAMBERS (385' TOTAL)



NOTES:
 1. PRECAST CONCRETE SEPTIC TANK AS MANUFACTURED BY WOODARDS CONCRETE PRODUCTS, INC. MODEL ST 1250, OR APPROVED EQUAL.
 2. CONCRETE - 4000 PSI AT 28 DAYS.
 3. REINFORCEMENT - 6" X 6" X 10 GAUGE 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.



NOTES:
 1. DISTRIBUTION BOX AS MANUFACTURED BY WOODARDS CONCRETE PRODUCTS, INC. CATALOG No. DB-12 OR APPROVED EQUAL.
 2. MINIMUM CONCRETE STRENGTH 4000 PSI AT 28 DAYS.
 3. CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION.
 4. SEAL ALL JOINTS AT INLET/OUTLET PIPES WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 5. PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS.
 6. FIRST 30' MIN. OF OUTLET PIPE(S) TO BE SOLID PVC.
 7. UNUSED OUTLETS TO REMAIN PLUGGED.

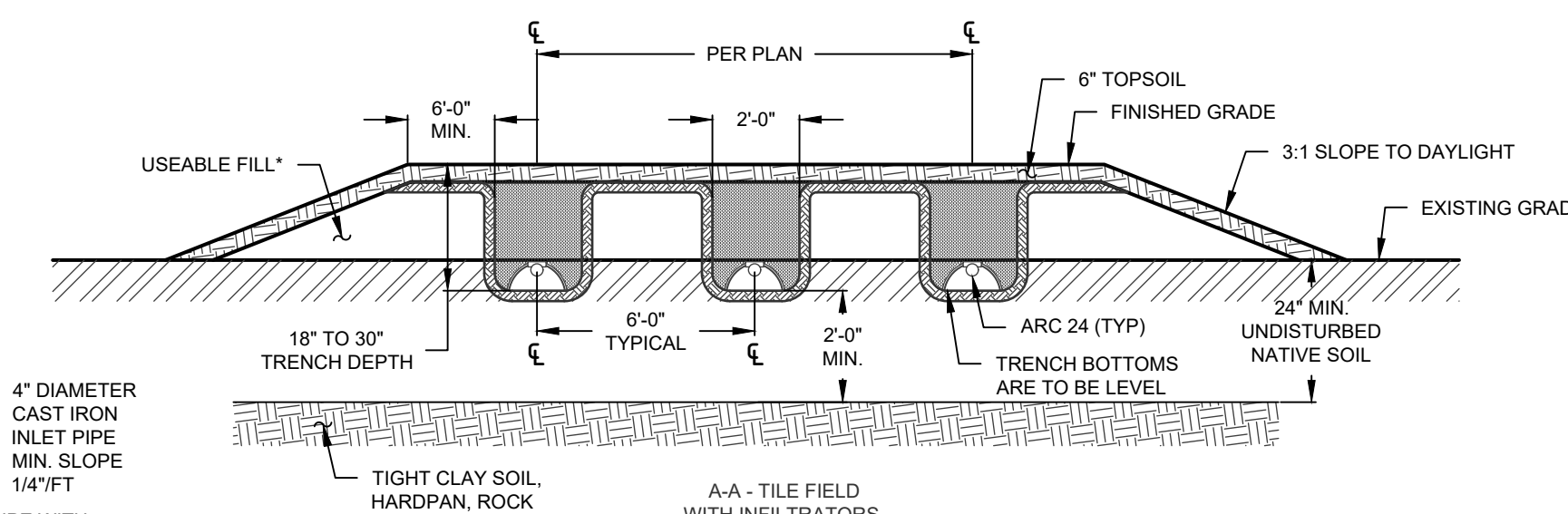
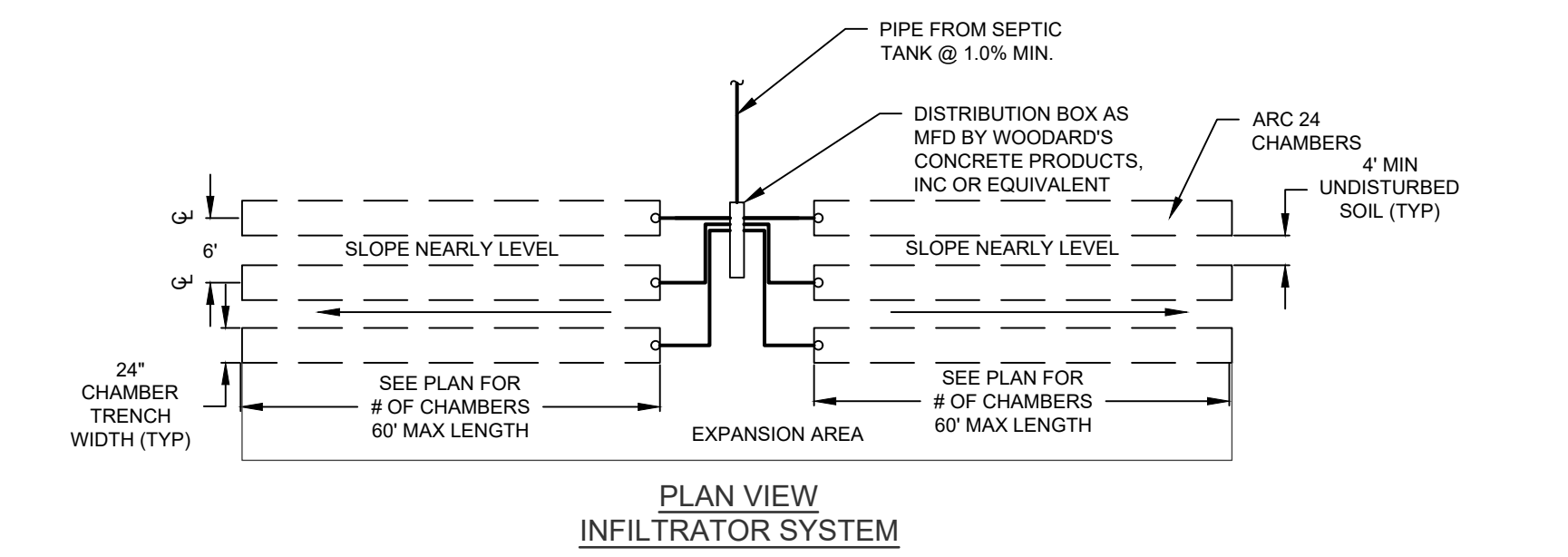


NOTES:
 1. TRANSITION OF PERFORATED PIPE TO SOLID PIPE SHALL OCCUR AT THE LOCATIONS AS SHOWN ON THE PLANS. MORE SPECIFICALLY AT AN ELEVATION BELOW THAT OF THE LAST LATERAL OF THE SEPTIC SYSTEM.
 2. PROVIDE RODENT SCREENS AT PIPE DAYLIGHT LOCATION.

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SAFE DIGGING STARTS HERE

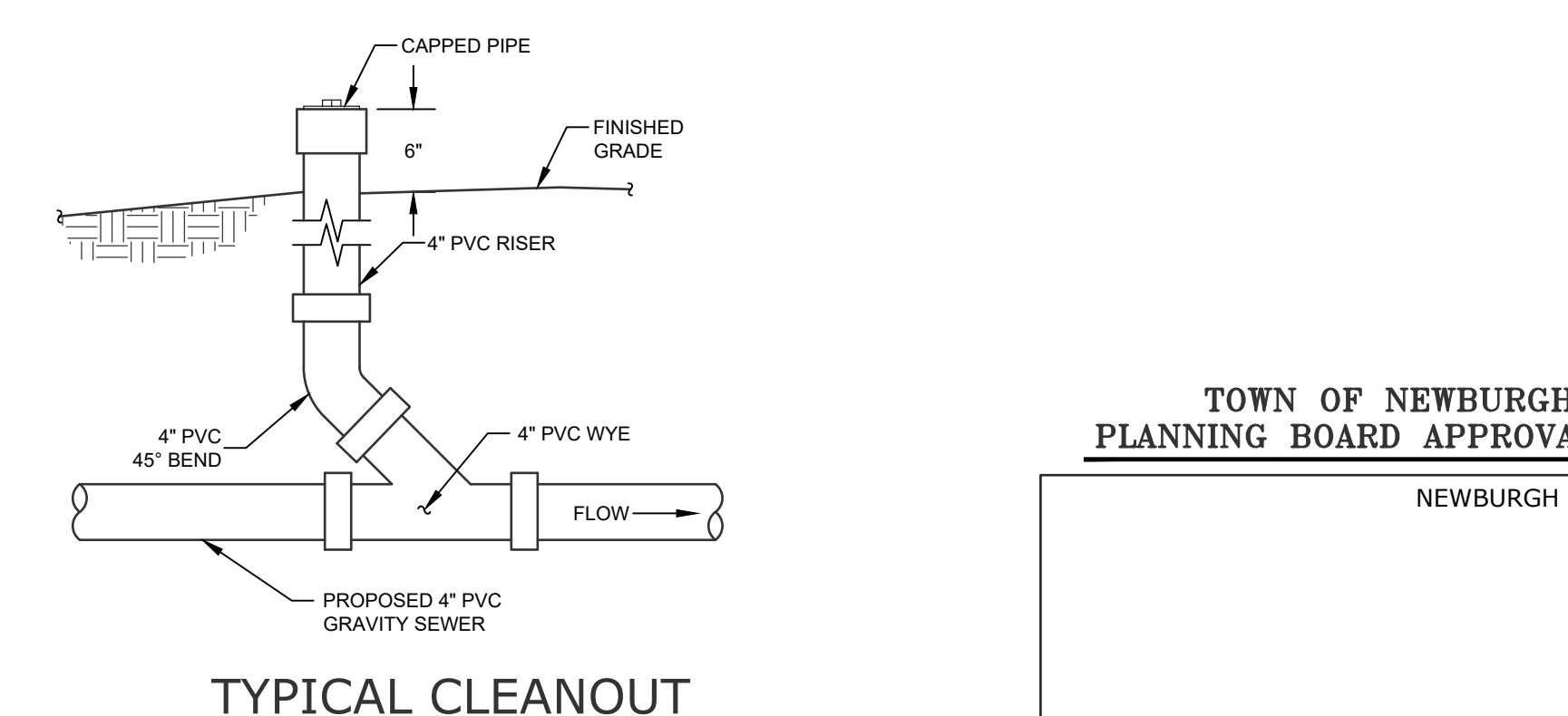
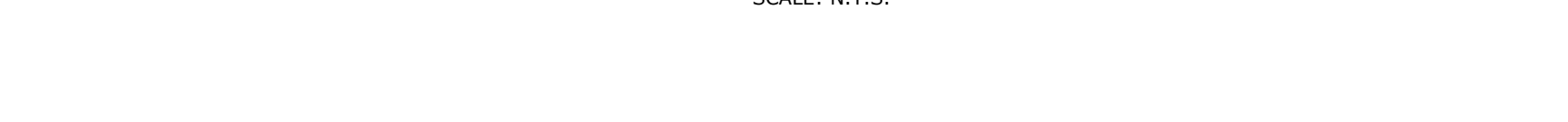
- Call Before You Dig
- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

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NOTES:
 1. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE BUILDING.
 2. THERE SHALL BE NO REGRADING, IN THE AREA OF THE ABSORPTION FIELDS, EXCEPT AS SHOWN ON THE APPROVED PLANS.
 3. SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL ARE NOT TO BE CONSTRUCTED OVER ABSORPTION FIELDS.
 4. ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK AND ALL PIPES AND COVERS.
 5. NO TRENCHES TO BE INSTALLED IN WET SOIL.
 6. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING CHAMBERS IN ABSORPTION TRENCH.
 7. GROUT ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
 8. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "NEW YORK STATE DEPARTMENT OF HEALTH - RESIDENTIAL ON-SITE WASTEWATER TREATMENT SYSTEMS - DESIGN HANDBOOK, 2012 AND OGDH DESIGN POLICY & STANDARDS - APPENDIX 75-A."
 9. ABSORPTION CHAMBER TO BE CAPPED AT ENDS.
 10. PROVIDE A MINIMUM OF 30" OF SOLID PIPE PRIOR TO START OF LEACHING CHAMBERS AND BE BACKFILLED WITH NATIVE MATERIAL.
 11. 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.
 12. HEAVY EQUIPMENT SHALL BE KEPT OFF OF 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 AS TO AVOID ANY UNDESIRABLE COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
 13. THIS SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI STYLE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS AND SHALL NOT BE INSTALLED WITHOUT ADDITIONAL REVIEW AND APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH.

SHALLOW ABSORPTION TILE FIELD OVERALL PLAN



TOWN OF NEWBURGH PLANNING BOARD APPROVAL BOX

NEWBURGH PB #2019-02

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DETAILS

CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: AS NOTED
TAX LOT: 14-1-51

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

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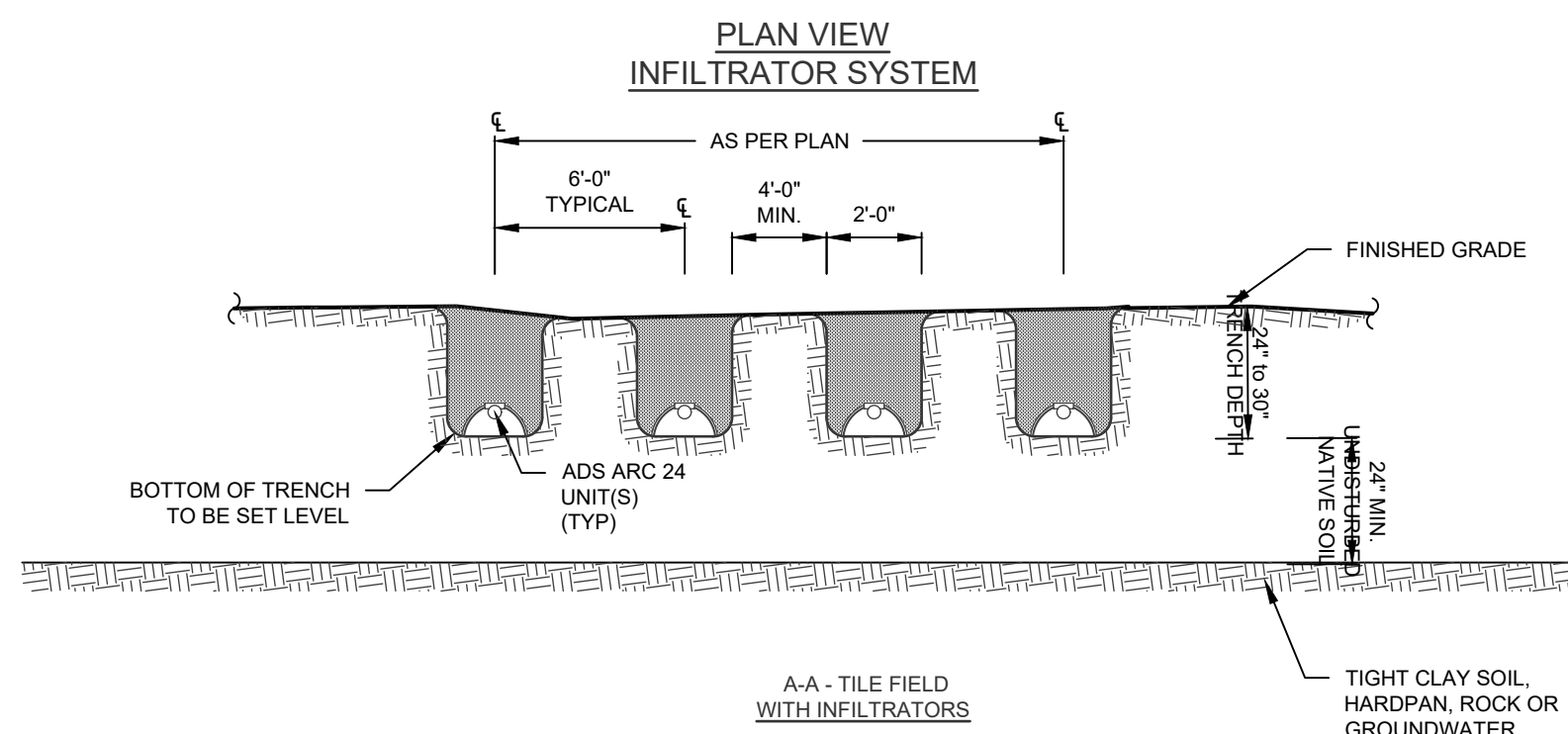
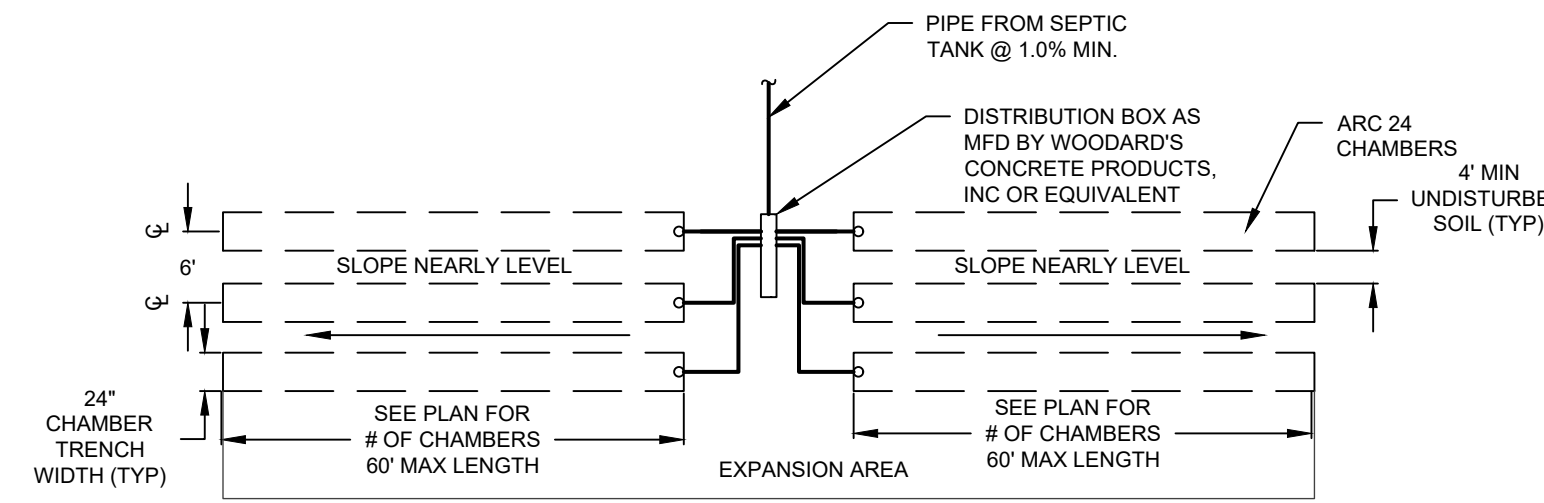
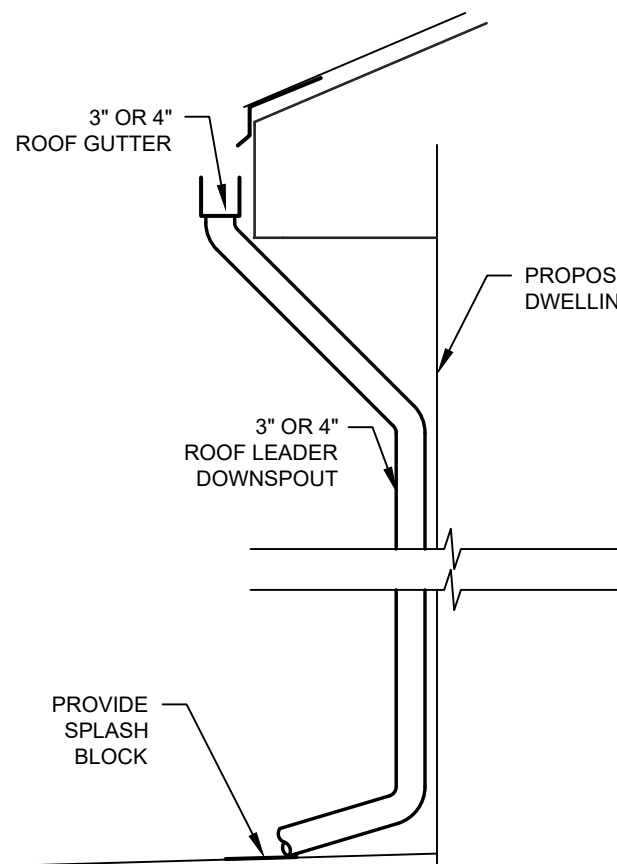
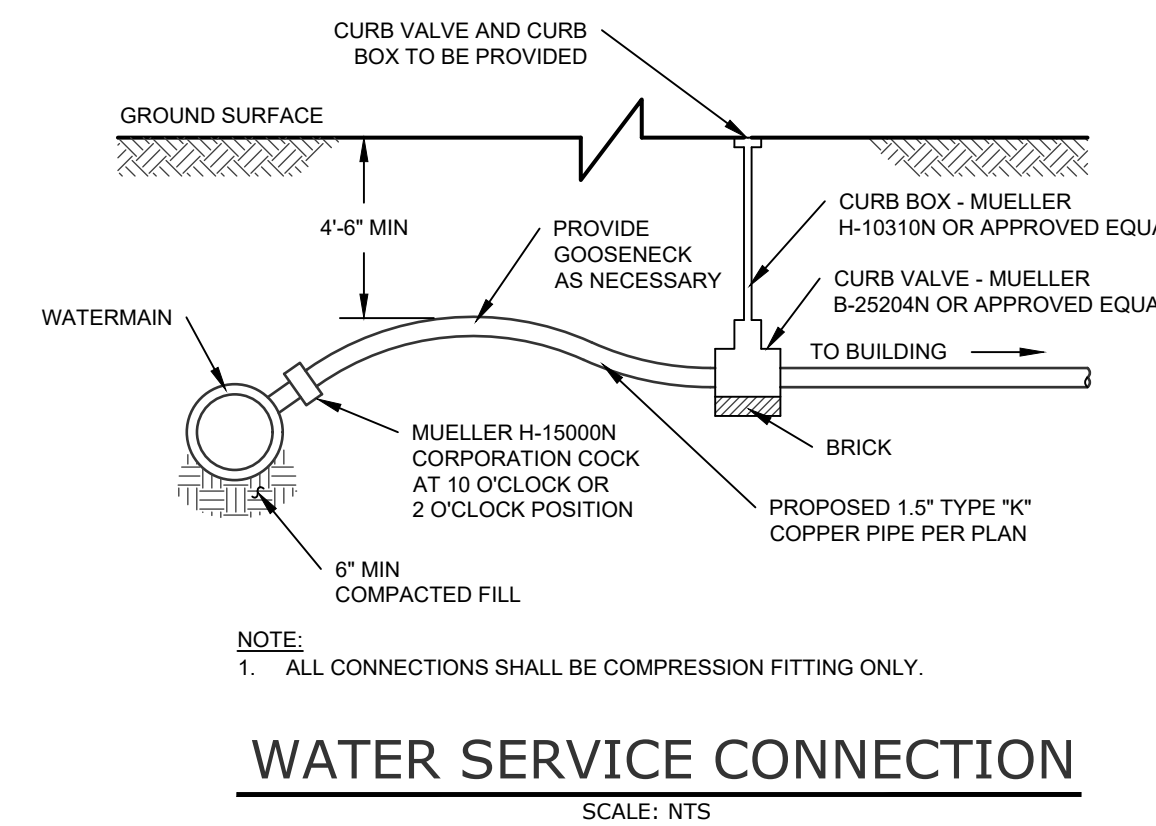
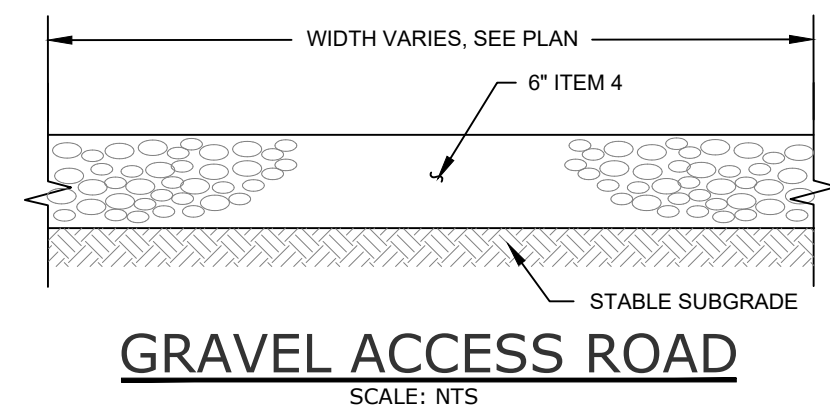
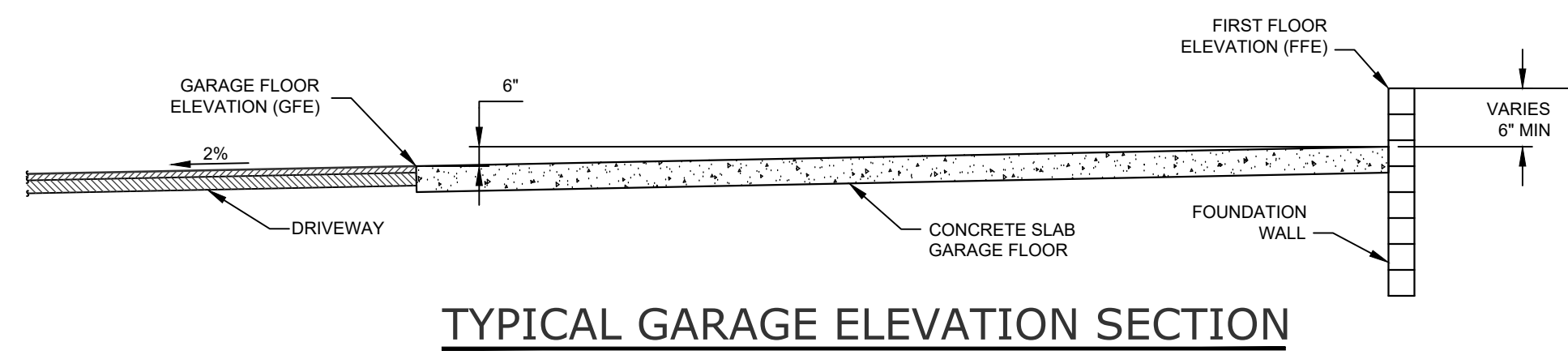
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ORIGINAL SCALE IN INCHES

C-301

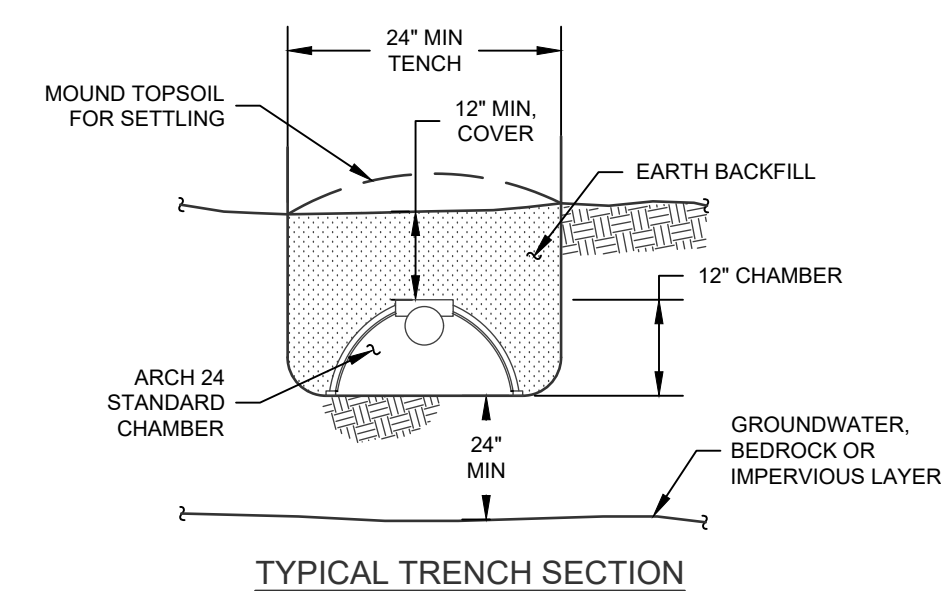
TOWN OF NEWBURGH SHEET 6 OF 9

TOWN OF NEWBURGH WATER SYSTEM NOTES

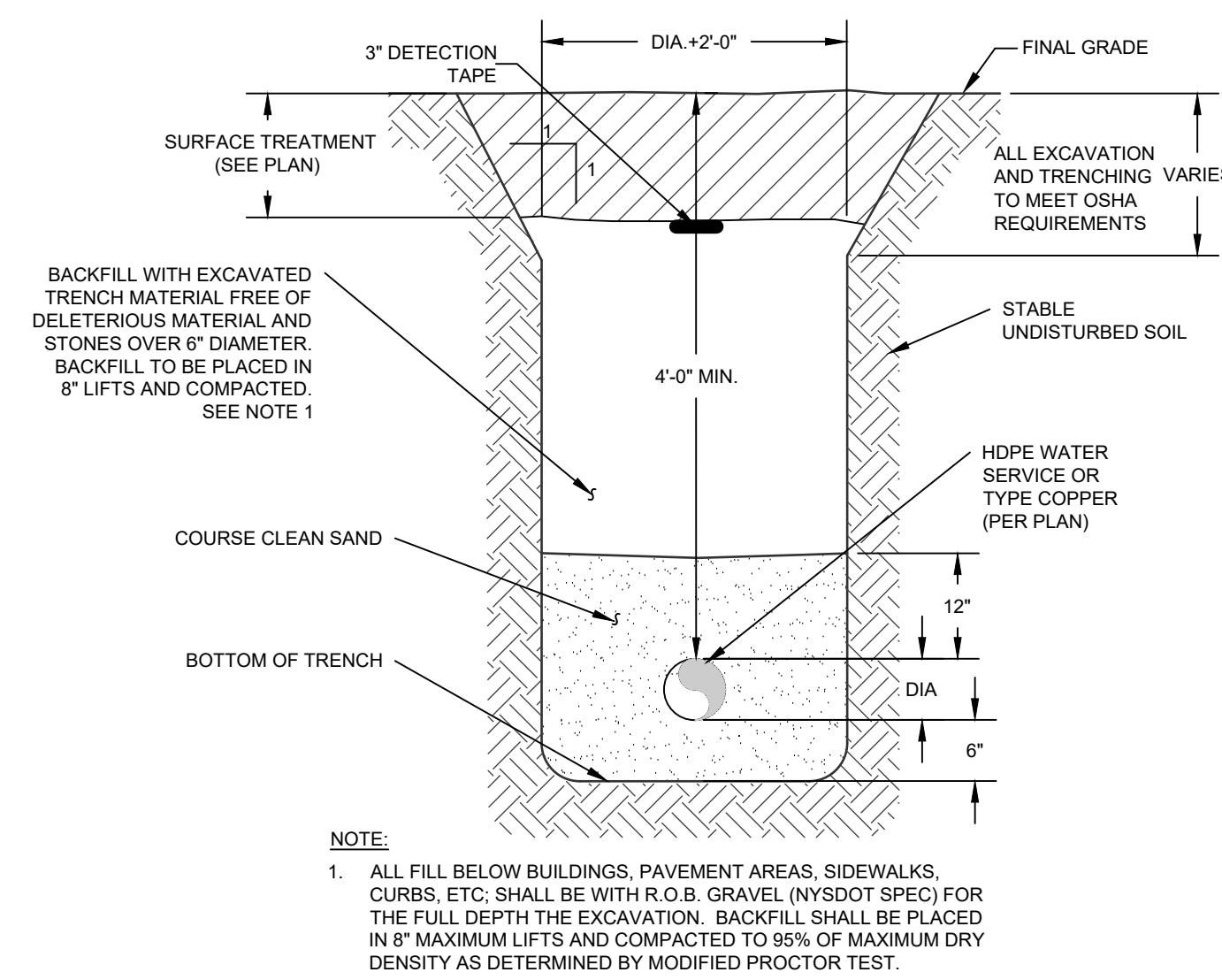
- CONSTRUCTION OF POTABLE WATER UTILITIES AND CONNECTION TO THE TOWN OF NEWBURGH WATER SYSTEM REQUIRES A PERMIT FROM THE TOWN OF NEWBURGH WATER DEPARTMENT. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NYSDOH AND THE TOWN OF NEWBURGH.
- ALL WATER SERVICE LINES FOUR (4) INCHES AND LARGER IN DIAMETER SHALL BE CEMENT LINED CLASS 52 DUCTILE IRON PIPE CONFORMING TO ANSIAWWA C150/A21.51 FOR DUCTILE IRON PIPE. LATEST REVISION. 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.
- 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 LOW-EDDY F-2640 CONFORMING TO ANSIA STANDARD C-502, LATEST REVISION. ALL HYDRANTS SHALL INCLUDE A 5/8 INCH MAIN VALVE OPENING, TWO 3/4 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 1/2 AND 1 INCH, MUELLER H-15000N OR B-25000N FOR 1 1/2 AND 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-15020N FOR 1/2 AND 1 INCH AND MUELLER B-25020N FOR 1 1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-10314N FOR 1/2 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 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.
- CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER AND SEWER UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR TO CALL UNDERGROUND MARK-OUT AT LEAST 2 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AT 1-800-962-7962 FOR COMPLETE UTILITIES MARKOUT.
- CONTRACTOR TO CONTACT TOWN OF NEWBURGH WATER DEPARTMENT AT (845) 564-7813 AT LEAST 2 DAYS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DEVIATION FROM HORIZONTAL OR VERTICAL ALIGNMENTS WITH REGARDS TO EXISTING UTILITIES BEFORE PROCEEDING.
- A CERTIFIED AS BUILT MAP OF THE WATER SYSTEM IMPROVEMENTS SHALL BE PROVIDED TO THE TOWN OF NEWBURGH WATER DEPARTMENT BY A LICENSED DESIGN PROFESSIONAL.
- ALL APARTMENT UNITS AND THE CLUBHOUSE ARE TO BE INDIVIDUALLY METERED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS.
- ALL PIPE, FIXTURES AND FITTINGS MUST COMPLY WITH THE FEDERAL "SAFE DRINKING WATER ACT", SECTION 1417 WHICH REQUIRES ALL SURFACES IN CONTACT WITH POTABLE WATER CONTAIN NO MORE THAN 0.25% LEAD BY WEIGHT.
- THE TOWN OF NEWBURGH COMMISSIONER OF PUBLIC WORKS OR HIS DESIGNATED REPRESENTATIVE MUST BE INFORMED OF ANY HYDROSTATIC OR BACTERIOLOGICAL TESTING TO PERMIT THE TESTING TO BE WITNESSED.
- THE TOWN OF NEWBURGH COMMISSIONER OF PUBLIC WORKS OR HIS DESIGNATED REPRESENTATIVE MUST ACCEPT HYDROSTATIC AND BACTERIOLOGICAL TEST RESULTS AS ADEQUATE.



- NOTES:**
- SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE DWELLING.
 - THERE SHALL BE NO REGRADING, IN THE AREA OF THE ABSORPTION FIELDS, EXCEPT AS SHOWN ON THE APPROVED PLANS.
 - SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL ARE NOT TO BE CONSTRUCTED OVER ABSORPTION FIELDS.
 - ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK, AND ALL PIPES AND COVERS.
 - NO TRENCHES TO BE INSTALLED IN WET SOIL.
 - RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING CHAMBERS IN ABSORPTION TRENCH.
 - THE SEWAGE DISPOSAL SYSTEM IS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, OR JACUZZI TYPE TUBS (OVER 100 GALLONS). THESE ITEMS SHALL NOT BE INSTALLED WITHOUT A DESIGN CHANGE APPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
 - ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN 10NYCRR APPENDIX 75-A "WASTEWATER TREATMENT STANDARDS - RESIDENTIAL ONSITE SYSTEMS" DATED FEBRUARY 3, 2010, THE PUBLICATION "RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS" (GREEN BOOK) BY THE NEW YORK STATE DEPARTMENT OF HEALTH DATED 2012 AND THE ORANGE COUNTY DEPARTMENT OF HEALTH'S ADDENDUM TO APPENDIX 75-A DATED SEPTEMBER 2014.
 - ABSORPTION CHAMBER TO BE CAPPED AT ENDS.
 - PROVIDE A MINIMUM OF 30" OF SOLID PIPE PRIOR TO START OF LEACHING CHAMBERS AND BE BACKFILLED WITH NATIVE MATERIAL.
 - 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.
 - HEAVY EQUIPMENT SHALL 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 WHICH THE DESIGN WAS BASED.



ABSORPTION TILE FIELD OVERALL PLAN
SCALE: NTS



NO.	DATE	DESCRIPTION
1	10/05/22	REVISED PER PLANNING BOARD COMMENTS
2	10/31/22	REVISED LOT LAYOUT
3	03/23/23	REVISED GRADING FOR DRIVEWAY LAYOUT
4	04/21/23	REVISED PER ENGINEERS COMMENTS
5	05/05/23	REVISED PER ENGINEERS COMMENTS
6	10/17/23	TREE PRESERVATION PLAN
7	01/19/24	REVISED PER PLANNING BOARD COMMENTS

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		01/19/2024
		SHEET NUMBER
<input type="checkbox"/>	CONCEPT APPROVAL	N/A OF N/A
<input checked="" type="checkbox"/>	PLANNING BOARD APPROVAL	7 OF 10
<input type="checkbox"/>	OCDOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
<input type="checkbox"/>	OCDOH WATERMAIN EXTENSION APPROVAL	N/A OF N/A
<input type="checkbox"/>	NYSDEC APPROVAL	N/A OF N/A
<input type="checkbox"/>	NYSDOT APPROVAL	N/A OF N/A
<input type="checkbox"/>	OTHER:	N/A OF N/A
<input type="checkbox"/>	FOR BID / CONSTRUCTION	N/A OF N/A

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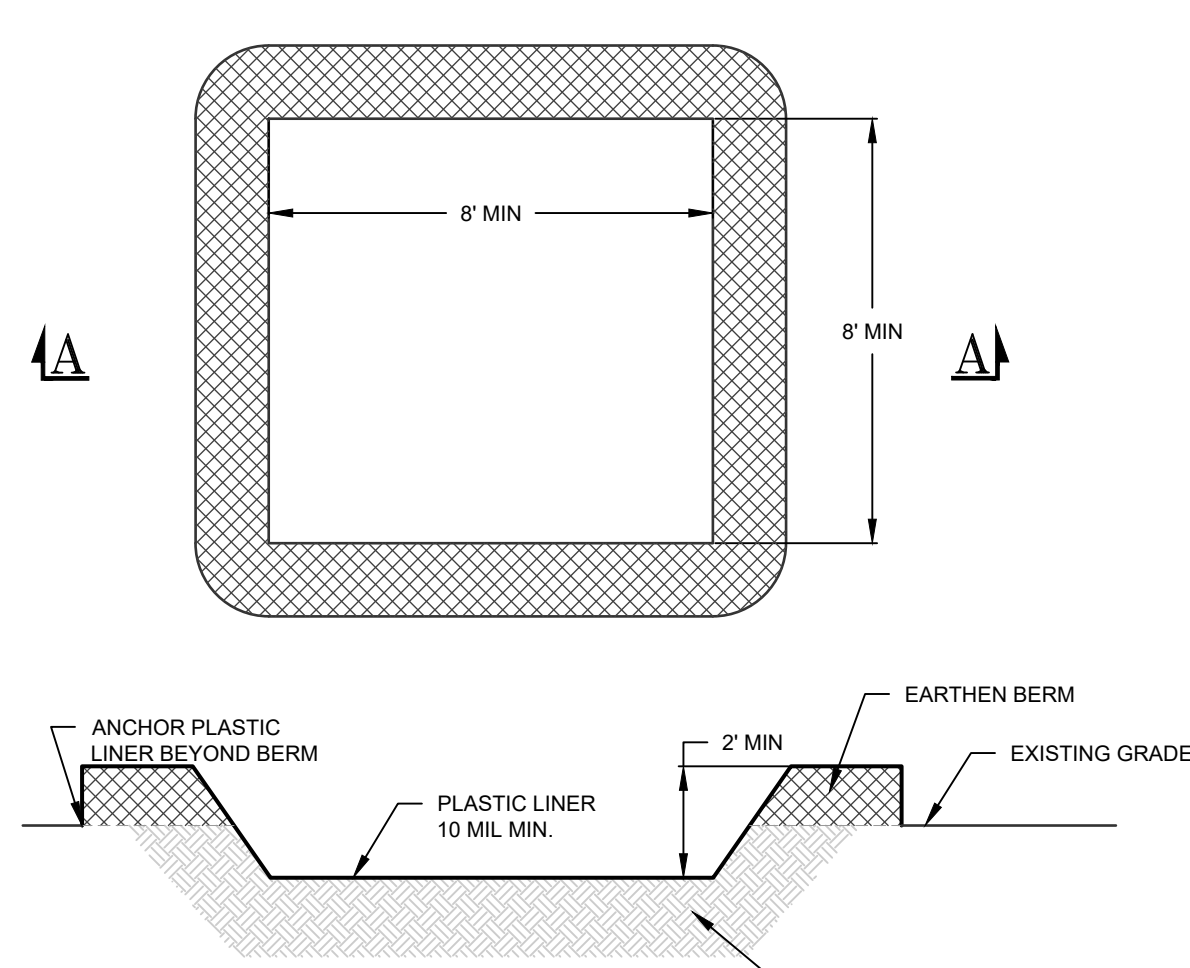
JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

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SCALE: AS NOTED
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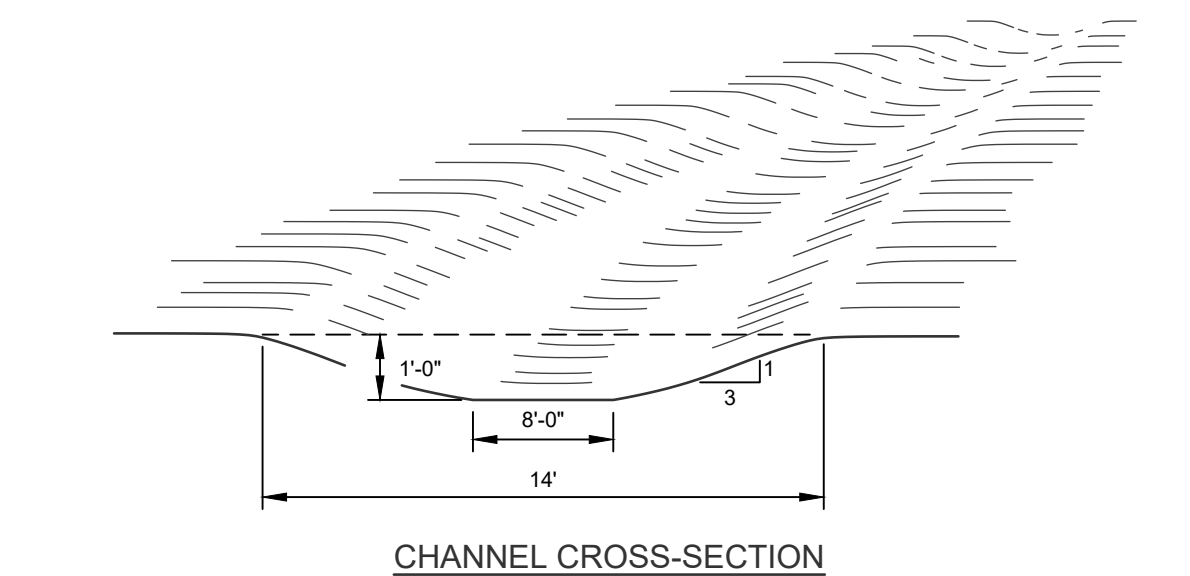
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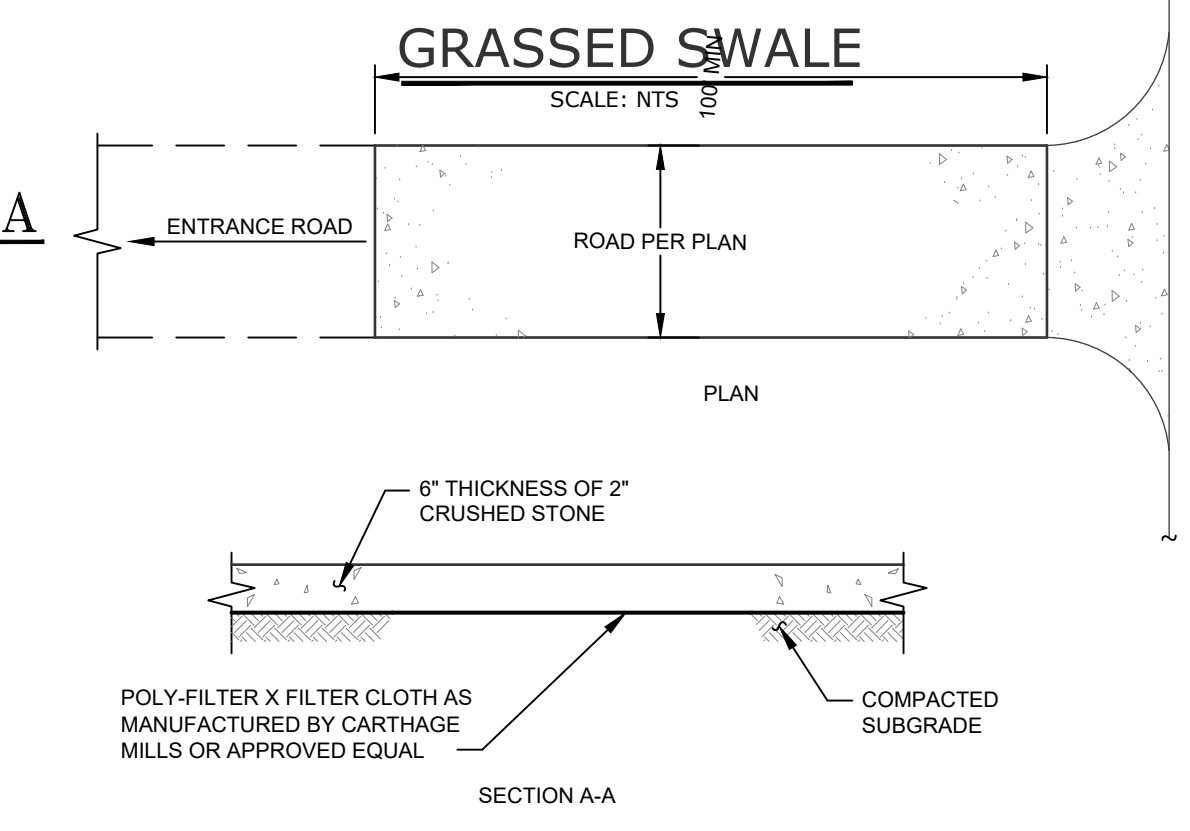


- NOTE:**
1. PLASTIC LINER SHALL BE INSPECTED DAILY TO ENSURE THAT THERE ARE NO HOLES OR TEARS. IF ANY HOLES OR TEARS ARE FOUND THE LINER SHALL BE REPLACED AND CLEANED IMMEDIATELY. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
 2. WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS.
 3. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF.
 4. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL.

CONCRETE WASHOUT
SCALE: N.T.S.

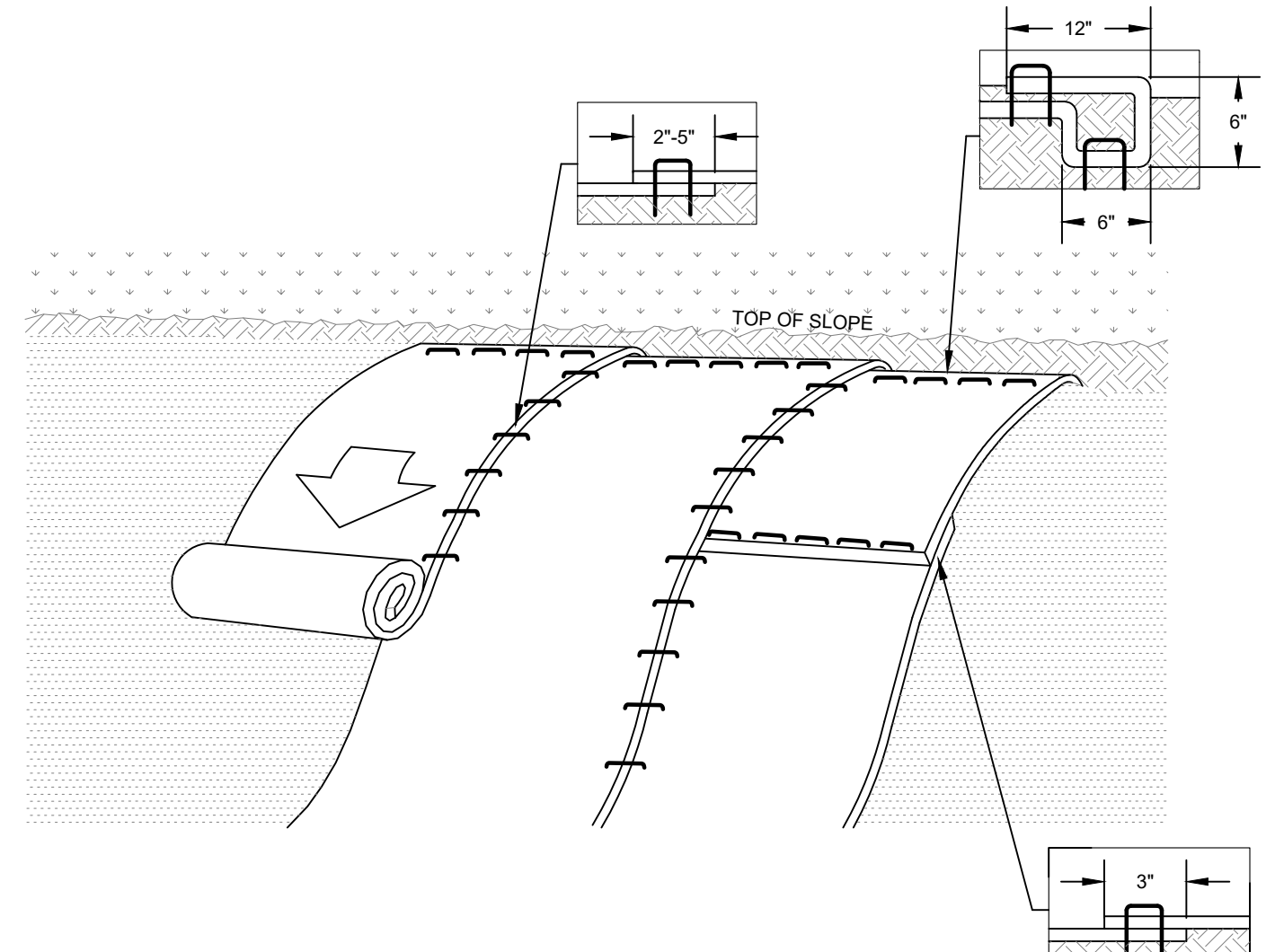


- CONSTRUCTION SPECIFICATIONS:**
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
 2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE. GRADE AND CROSS SECTION AS REQUIRED TO MEET THE 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 OUTSIDE THE WETLAND SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
 4. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARDS AND SPECIFICATIONS FOR VEGETATIVE PRACTICES. SEEDING AND MULCHING SHALL BE USED FOR ESTABLISHMENT OF THE VEGETATION. VEGETATION PROVIDED SHALL BE REED CANARYGRASS, TALL FESCUE, KENTUCKY BLUEGRASS.



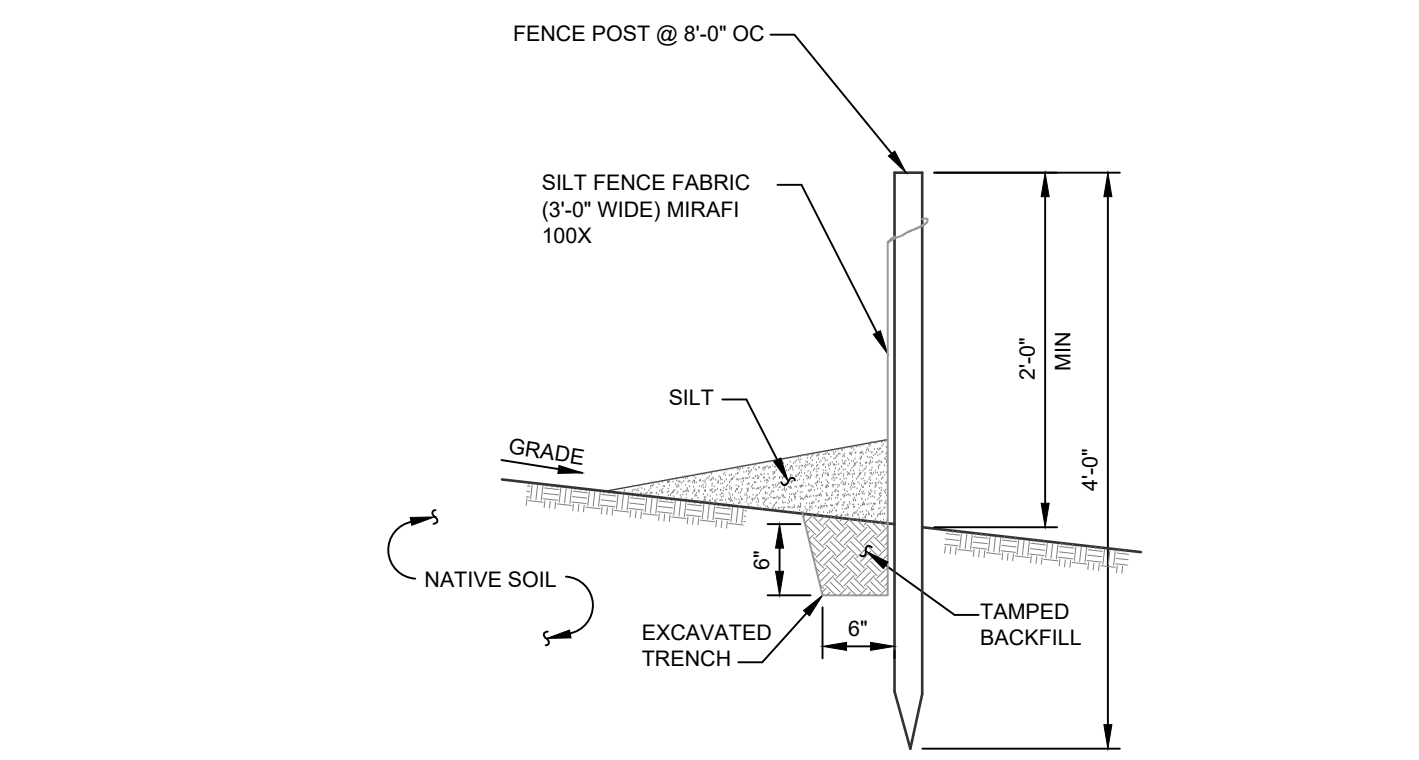
- NOTES:**
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 2. WIDTH - 35 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 REQUIRE 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: N.T.S.



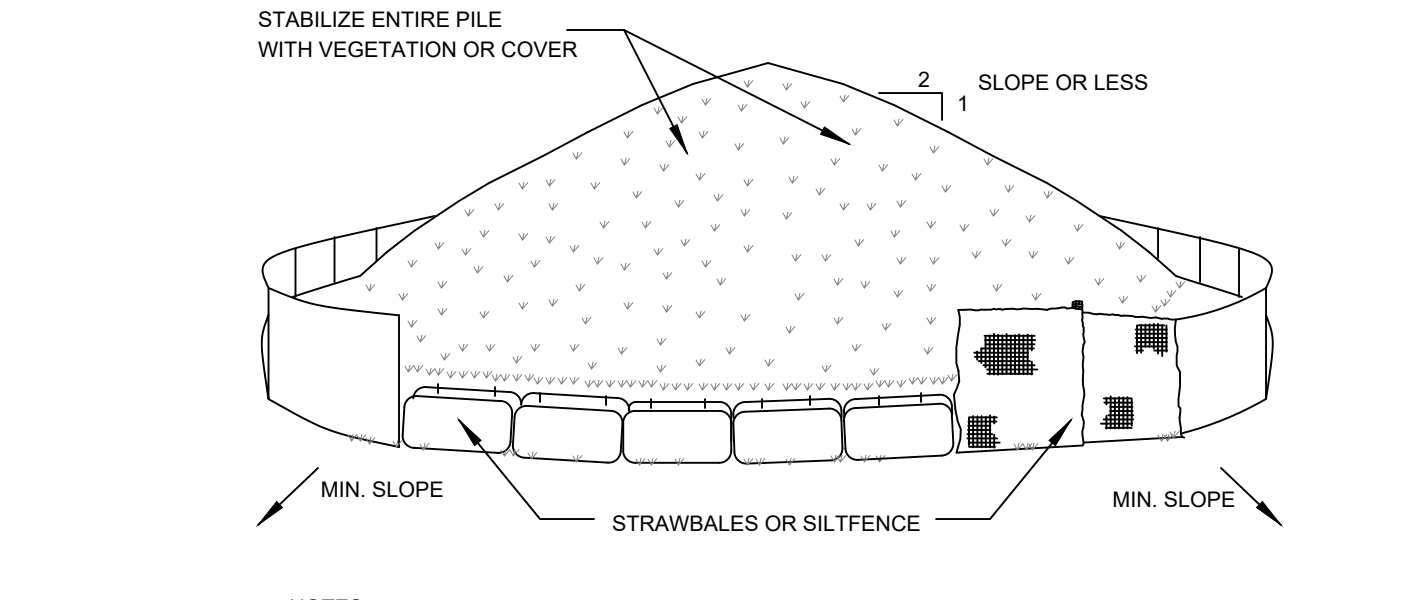
- NOTES:**
1. ROLLED EROSION CONTROL PRODUCT (RECP'S) SHALL BE USED ON ALL CONSTRUCTED SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL.
 2. PREPARATION OF THE SOIL INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY RECP'S.
 3. INSTALL RECP - NORTH AMERICAN GREEN BIONET S150BN OR APPROVED EQUAL. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACE APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
 4. ROLL THE RECP'S DOWN THE SLOPE OR HORIZONTALLY ACROSS THE SLOPE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE PRODUCT'S STAPLE PATTERN GUIDE.
 5. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" TO 5" OVERLAP DEPENDING ON RECP'S TYPE.
 6. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATELY 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS THE ENTIRE RECP'S WIDTH.

SLOPE STABILIZATION (ROLLED EROSION CONTROL PRODUCT)
SCALE: N.T.S.



- NOTES:**
1. SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.

SILT FENCE
SCALE: N.T.S.



- NOTES:**
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
 4. SEE SPECIFICATIONS (THIS MANUAL) FOR INSTALLATION OF SILT FENCE.

SOIL STOCKPILING
SCALE: N.T.S.

SOIL RESTORATION NOTES

Table 5.3 Soil Restoration Requirements		
Type of Soil Disturbance	Soil Restoration Requirement	Comments/Examples
No soil disturbance	Restoration not permitted	Preservation of Natural Features
Minimal soil disturbance Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only - no change in grade	HSG A & B apply 6 inches of topsoil	HSG C&D Aerate* and apply 6 inches of topsoil
Areas of cut or fill	HSG A & B Aerate and apply 6 inches of topsoil	HSG C & D Apply full Soil Restoration **
Heavy traffic areas on site (especially in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (de-compaction and compost enhancement)	
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.	Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.	

*Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
** Per "Deep Ripping and De-compaction, DEC 2008".

EARTHWORK CONSTRUCTION NOTES

1. ALL WORK TO BE PERFORMED TO THE SPECIFICATIONS OF THE TOWN OF NEWBURGH.
2. ALL TOPSOIL, ROOTS, STUMPS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM ALL CONSTRUCTION AREAS.
3. ALL FILL FOR POND CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
4. CELLAR, ROOF AND FOOTING DRAINS SHALL CONNECT TO THE STORM DRAINAGE SYSTEM OR OTHER FREE-FLOWING OUTLET AT A MINIMUM SLOPE OF 0.5%. FOOTING DRAIN SHALL BE INSTALLED BENEATH BOTTOM OF FOOTING.
5. COMPLETION OF GRADING AND BASIN, BERMS AFTER OCTOBER 15 SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL".
6. 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.
7. CONSTRUCT POND EMBANKMENT WITH LOCALLY AVAILABLE GLACIAL TILL WITH 3H:1V SIDE SLOPES OR AS NOTED ON PLAN. THE EMBANKMENT FILL SHALL BE PLACED IN A SIX-INCH THICK CONTINUOUS LAYER OVER THE ENTIRE LENGTH. EACH LIFT SHALL BE PLACED AT OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
8. STABILIZATION OF POND BERMS, AND ALL SLOPES IN EXCESS OF 3H:1V IN ACCORDANCE WITH "EROSION AND SEDIMENTATION CONTROL NOTES".
9. ALL POND OUTLETS SHALL HAVE SEEPAGE CONTROL COLLARS PLACED AT 1/3 AND 2/3 THE WIDTH OF THE EMBANKMENT.
10. SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:
 - 10.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
 - 10.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.
 - 10.C. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
 - 10.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
 - 10.E. VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN.

No.	DATE	DESCRIPTION
1	10/05/22	REVISED PER PLANNING BOARD COMMENTS
2	10/31/22	REVISED LOT LAYOUT
3	03/23/23	REVISED GRADING FOR DRIVEWAY LAYOUT
4	04/21/23	REVISED PER ENGINEERS COMMENTS
5	05/05/23	REVISED PER ENGINEERS COMMENTS
6	10/17/23	TREE PRESERVATION PLAN
7	01/19/24	REVISED PER PLANNING BOARD COMMENTS

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		01/19/2024
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	8	OF 10
<input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
<input type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER:	N/A	OF N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF N/A

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ORANGE COUNTY, NEW YORK

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DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: AS NOTED
TAX LOT: 14-1-51

C-303

SEQUENCE OF CONSTRUCTION ACTIVITY

1. PRE-CONSTRUCTION: NOTIFY APPROPRIATE MUNICIPAL AND UTILITY OFFICIALS 3 DAYS PRIOR TO START OF CONSTRUCTION.
2. CONSTRUCTION STAGING: STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWN HILL OF PROPOSED CONSTRUCTION. INSTALL ORANGE CONSTRUCTION FENCING ALONG THE LIMITS OF DISTURBANCE NEAR WETLAND AREAS. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND STABILIZE CONSTRUCTION ROAD(S). INSTALL PERMANENT/TEMPORARY GRASSED SWALES.
3. CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF THE PLAN. IMPLEMENT DUST CONTROL MEASURES AS NECESSARY. ESTABLISH PERMANENT STABILIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABILIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 21 DAYS FROM LAST DISTURBANCE.
4. ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON THE PLAN. IMPLEMENT DUST CONTROL MEASURES AS NECESSARY. ESTABLISH PERMANENT STABILIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABILIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 21 DAYS FROM LAST DISTURBANCE.
5. ROAD/BUILDING CONSTRUCTION AND UTILITY INSTALLATION: FINAL GRADING AND CONSTRUCTION OF ROADWAYS, BUILDING EXCAVATION AND CONSTRUCTION. INSTALL UTILITIES. ENSURE ALL EROSION CONTROL MEASURES ARE IN WORKING ORDER.
6. FINAL GRADING AND LANDSCAPING: COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR PERMANENT SEEDING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UNSTABILIZED AREAS. INSTALL ALL SITE LANDSCAPING AND PLANTINGS.
7. POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND ESTABLISHMENT OF ALL VEGETATION COVER, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE. REMOVE ALL SILT AND DEBRIS FROM THE SITE INCLUDING ROADWAYS AND STORM DRAINS.

EROSION AND SEDIMENTATION CONTROL NOTES

1. SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION.
2. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES AND/OR STRAW BALE DIKES, SEDIMENT BASIN, TEMPORARY DIVERSION SWALE DRAINAGE STRUCTURES, AND RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION.
3. 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:
 - 3.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES.
 - 3.2. LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY PH OF 6.0 TO 7.0.
 - 3.3. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED PER SOIL TEST RESULTS OR AT A RATE OF 600 LBS. PER ACRE.
 - 3.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS. CERTIFIED "AROSTOOK" WINTER RYE (CEREAL RYE) PER ACRE.
 - 3.5. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE:

8 LBS EMPIRE BIRDSFOOT TREFLOIL OR COMMON WHITE CLOVER	PER ACRE PLUS
20 LBS TALL FESCUE PER ACRE PLUS	
2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE	
 - 3.6. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING, UNLESS OTHERWISE APPROVED.
 - 3.7. 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.
4. 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.
5. 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.
6. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
7. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN SUFFICIENT QUANTITIES.
8. 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 MOVED.
9. 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
10. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15.
11. ALL UPSTREAM SITE WORK AND STABILIZATION SHALL OCCUR BEFORE CONNECTING UNDERGROUND DETENTION/FILTRATION FACILITY TO PREVENT ANY ERODED SEDIMENTS FROM ENTERING UNDERGROUND FACILITY.
12. IN ACCORDANCE WITH THE NYSDEC SPDES GP 0-20-001, THERE SHALL BE NO MORE THAN 5 ACRES DISTURBED AT ANYONE TIME.

TOWN OF NEWBURGH PLANNING BOARD APPROVAL BOX

NEWBURGH PB #2019-02

ROAD TYPE	DISTANCE BETWEEN SIGNS	
	A (FT.)	B (FT.)
URBAN (< 30 MPH*)	100	100
URBAN (35-40 MPH*)	200	200
URBAN (> 45 MPH*)	350	350
RURAL	500	500

* PRECONSTRUCTION POSTED SPEED LIMIT

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.) / # OF SKIP LANES	TAPER LENGTH: L (FT.) / # OF SKIP LANES / # OF CHANNELIZING DEVICES			SHOULDER TAPER LENGTH: L / 3 (FT.) / # OF SKIP LANES / # OF CHANNELIZING DEVICES		
		FOR LANE WIDTH IN FT. (LATERAL SHIFT OF TRAFFIC FLOW PATH)			FOR SHOULDER WIDTH		
25	155 / 4	120 / 3 / 4	120 / 3 / 4	120 / 3 / 4	40 / 1 / 2	40 / 1 / 2	40 / 1 / 2
30	200 / 5	160 / 4 / 5	160 / 4 / 5	200 / 5 / 6	40 / 1 / 2	40 / 1 / 2	40 / 1 / 2
35	250 / 6	200 / 5 / 6	240 / 6 / 7	240 / 6 / 7	40 / 1 / 2	40 / 1 / 2	80 / 2 / 3
40	305 / 8	280 / 7 / 8	320 / 8 / 9	320 / 8 / 9	40 / 1 / 2	80 / 2 / 3	80 / 2 / 3
45	360 / 9	440 / 11 / 12	520 / 13 / 14	560 / 14 / 15	80 / 2 / 3	80 / 2 / 3	120 / 3 / 4
50	425 / 11	520 / 13 / 14	560 / 14 / 15	600 / 15 / 16	80 / 2 / 3	120 / 3 / 4	160 / 4 / 5
55	495 / 13	600 / 14 / 15	680 / 17 / 18	680 / 17 / 18	80 / 2 / 3	120 / 3 / 4	160 / 4 / 5

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		> 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	EXPOSURE CONDITIONS ¹	P, T.M.I.A.	P, T.M.I.A.	SEE NOTE 2
	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T.M.I.A.	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T.M.I.A.	SEE NOTE 2	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2

LEGEND
P- PROTECTIVE VEHICLE REQUIRED FOR EACH CLOSED LANE & EACH CLOSED PAVED SHOULDER 8' OR WIDER. IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE PROTECTIVE VEHICLE SHALL BE REPOSITIONED ACCORDINGLY.
T.M.I.A: T.M.I.A. REQUIRED

- NOTES:
1. THE EXPOSURE CONDITIONS ASSUMES THERE IS NO POSITIVE PROTECTION PRESENT
2. EITHER A PROTECTIVE VEHICLE OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED

PRE CONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE (FT.) / # OF SKIP LINES FOR VEHICLES	
	MIN	MAX
≥ 55	120 / 3	200 / 5
45 - 50	80 / 2	160 / 4
≤ 40	40 / 1	120 / 3

WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR										
SHOULDER / MERGING / SHIFTING TAPERS	20 FT. / 40 FT.	X							X	
MARKING FOR TRANSVERSE BUMPS ¹	N/A	X ²			X ²				X ²	
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND / OR SHOULDER	800 FT.	X		X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL	80 FT. / 40 FT.	X		X	X	X		X	X	0

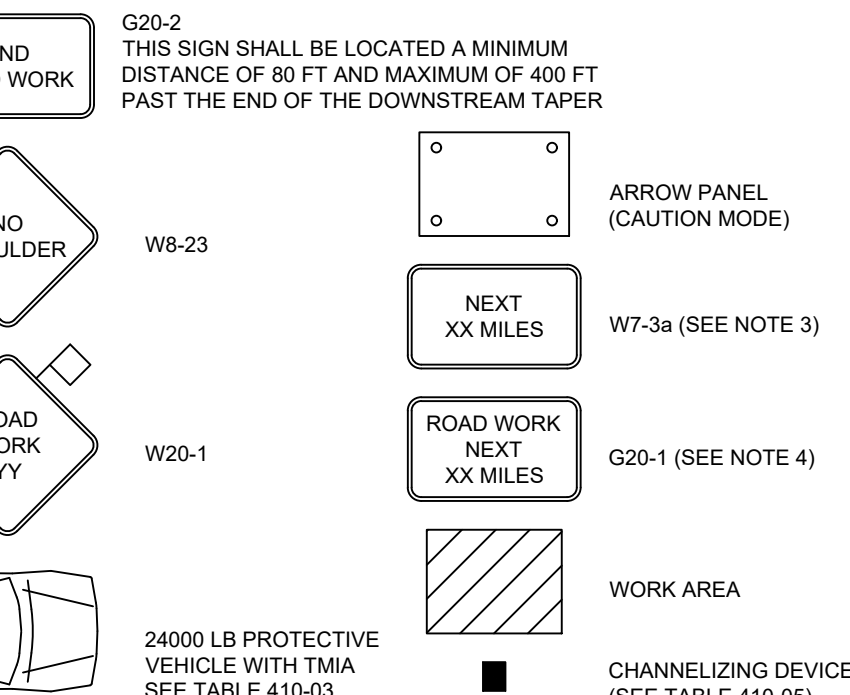
NOTES: X = ALLOWED, BLANK = NOT ALLOWED, 0 = OPTIONAL * SEE NOTE 5

SIGN	NON-FREEWAY	FREEWAY
G20-2	36 x 18	48 x 24
W20-1	36 x 36	48 x 48
W21-5	36 x 36	48 x 48
W7-3a	24 x 18	36 x 30
G20-1	36 x 18	48 x 24
WARNING FLAG	18 x 18	18 x 18

* FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST

TWO-LANE TWO-WAY ROADWAY SHOULDER CLOSURE INTERMEDIATE TERM OPERATION

SCALE: N.T.S.



NOTES:

- THE TABLE SHOWS SPACING FOR DRUMS OF TYPE II BARRICADES. THE SPACING SHALL BE HALVED IF OTHER CHANNELIZING DEVICES ARE USED. TYPE III BARRICADES MAY BE USED INSTEAD OF DRUMS, IF SPACE PERMITS BUT NO SEPARATE PAYMENT WILL BE MADE UNLESS OTHERWISE SHOWN ON THE PLAN.
- FOR DROP-OFF LENGTHS SHORTER THAN THE MAXIMUM DEVICE SPACING SHOWN IN TABLE 1, OR FOR DROP-OFFS AT INTERSECTIONS, THE DEVICE SPACING SHALL BE SHORTENED TO PROVIDE ADEQUATE CHANNELIZATION AS DIRECTED BY THE ENGINEER.
- TWO FLASHING WARNING LIGHTS SHALL BE USED AT THE BEGINNING OF EACH WORK ZONE DROP-OFF.
- THE RAMP FROM THE PAVEMENT SURFACE TO THE EXCAVATED AREA SHALL NOT EXCEED THE SLOPE SHOWN IN THE TABLE. FOR CASES WHERE NO SLOPE IS SHOWN, NO SLOPE RAMP IS REQUIRED.
- WHENEVER, IN THE OPINION OF THE ENGINEER IT IS NOT PRACTICABLE TO ACHIEVE THE DESIRED RAMP SLOPE SHOWN IN THE TABLE, THE FLATTEST PRACTICABLE RAMP SHALL BE CONSTRUCTED AND THE DEVICE SPACING SHALL MATCH THE <7 DAY SPACING, EXCEPT POSITIVE BARRIER SHALL BE REQUIRED FOR DROP-OFFS EXCEEDING 24 INCHES ON ROADWAYS WITH TRAFFIC VOLUMES EXCEEDING 7500 VEHICLES PER DAY.
- AT THE CONTRACTOR'S OPTION, REQUIRED 1:2 RAMP MAY BE FLATTENED TO 1:4 AND DEVICE SPACING INCREASE TO 200 FEET.
- FOR DROP-OFFS LOCATED MORE THAN 10 FEET FROM THE EDGE OF THE TRAVEL LANE, RAMPING SHALL NOT BE REQUIRED AND THE REQUIRED SPACING FOR DRUMS AND TYPE III BARRICADES SHOULD BE 100 FEET (50 FEET FOR ALTERNATE DEVICES) DRUMS OR TYPE III BARRICADES SPACED 100 FEET OR OTHER APPROVED DEVICES. SPACING AT 50 FEET MAY BE SUBSTITUTED FOR POSITIVE BARRIER. SIGNS AND FLASHING WARNING LIGHTS SHALL BE PROVIDED AS REQUIRED FOR DROP-OFFS GREATER THAN 6 INCHES.
- FOR WINTER SHUT-DOWN PERIODS, THE CONTRACTOR SHALL RESTORE THE ROADWAY TO THE NORMAL OPERATING CONDITION.
- FOR DROP-OFFS EXCEEDING 24 INCHES IN DEPTH FOR EXPOSURE TIME OF 7 DAYS OR LESS AND WHEN AN OFFSET OF AT LEAST TWO FEET CANNOT BE PROVIDED FROM THE EDGE OF THE TRAVELED LANE TO THE DROP-OFF, ALTERNATE TRAFFIC CONTROL PLANS MAY BE REQUIRED BY THE ENGINEER.

NO.	DATE	DESCRIPTION
1	10/05/22	REVISED PER PLANNING BOARD COMMENTS
2	10/31/22	REVISED LOT LAYOUT
3	03/23/23	REVISED GRADING FOR DRIVEWAY LAYOUT
4	04/21/23	REVISED PER ENGINEERS COMMENTS
5	05/05/23	REVISED PER ENGINEERS COMMENTS
6	10/17/23	TREE PRESERVATION PLAN
7	01/19/24	REVISED PER PLANNING BOARD COMMENTS

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		01/19/2024
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	9	OF 10
<input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
<input type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER:	N/A	OF N/A
<input type="checkbox"/> FOR BID / CONSTRUCTION	N/A	OF N/A

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DETAILS

CHADWICK WOODS
ROUTE 300
TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

JOB #: 1325.05
DATE: 08/01/2022
REVISION: 7 - 01/19/2024

DRAWN BY: MP
SCALE: AS NOTED
TAX LOT: 14-1-51

C-304