



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

PROJECT NAME: NEWBURGH ELITE SELF STORAGE
PROJECT NO.: 24-12
PROJECT LOCATION: SECTION 34, BLOCK 2, LOT 34
REVIEW DATE: 29 JANUARY 2025
MEETING DATE: 6 FEBRUARY 2025
PROJECT REPRESENTATIVE: LANC & TULLY/JOHN QUEENAN P.E.

1. The project is before the Planning Board for a Public Hearing for a 56,700 +/- square foot self-storage facility, consisting of one 23,100 square foot indoor storage with the balance being conventional self-storage buildings.
2. It is requested notes pertaining to outside storage be revised. No area for boats or campers have been depicted. Self-storage notes on Sheet 1 of 15 should appropriately be revised.
3. An access easement is proposed to an adjoining property. The access easement should be submitted for review and approval by the Planning Board Attorney.
4. The project identifies two 10,000-gallon fire suppression tanks on the plans. Building Department approval and building permit are required for the fire suppression system.
5. Stormwater management securities and landscape security and inspection fees for each will be required as a condition of approval.
6. Compliance with the Tree Preservation Ordinance regarding percent removal of the three categories should be received.
7. Previous SWPPP comments must be addressed.
8. A Stormwater Facilities Maintenance Agreement must be executed with the Town regarding long-term operation and maintenance of the facilities.
9. County Planning comments were received after the previous Planning Board meeting. Numerous advisory comments were submitted with County recommendation for local determination.

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.



Patrick J. Hines
Principal

PJH/kmm



Michael W. Weeks, P.E.
Principal

SURVEY NOTES:

1. THIS SURVEY IS SUBJECT TO ANY FINDINGS OF A TITLE SEARCH.
2. SUBSURFACE STRUCTURES AND UTILITIES NOT VISIBLE AT THE TIME OF SURVEY HAVE NOT BEEN SHOWN.
3. REFERENCE: LIBER 15351 OF DEEDS AT PAGE 831 AS RECORDED IN THE ORANGE COUNTY CLERK'S OFFICE.
4. CONTOURS SHOWN HEREON ARE BASED ON AN ACTUAL FIELD SURVEY COMPLETED BY LANC AND TULLY ENGINEERING AND SURVEYING P.C., ELEVATIONS SHOWN ARE BASED ON NAVD83.
5. WETLAND FLAGS SHOWN HEREON AS FLAGGED BY ECOLOGICAL SOLUTIONS AND FIELD LOCATED BY LANC & TULLY ENGINEERING AND SURVEYING P.C., ON APRIL 9, 2024.



LOCATION PLAN
1 INCH = 1000 FEET

GENERAL NOTES:

1. TAX MAP DESIGNATION: SECTION 34, BLOCK 2, LOT 34
2. TOTAL AREA: 9.2± ACRES
3. DEED REFERENCE: LIBER 15351 PAGE 831 OF DEEDS AS RECORDED IN THE ORANGE COUNTY CLERK'S OFFICE.
4. ZONING DISTRICT: IB - INTERCHANGE BUSINESS
5. FIRE DISTRICT: CRONOMER VALLEY FD
6. SCHOOL DISTRICT: NEWBURGH SCHOOL DISTRICT
7. WATER SERVICE: PRIVATE ONSITE WELL
8. SEWER SERVICE: PRIVATE ONSITE SEWAGE DISPOSAL SYSTEM
9. ALL HORIZONTAL AND VERTICAL CONTROL DATA ON THE PROJECT SHALL BE PROVIDED BY A LICENSED SURVEYOR.
10. ALL PROPERTY CORNERS SHALL BE MARKED WITH 3/4" IRON RODS.
11. ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND.
12. THIS PLAT IS SUBJECT TO COMPLIANCE WITH ALL LAWS, REGULATIONS AND SPECIFICATIONS OF THE TOWN OF NEWBURGH AND WITH ALL DETAILS AND SPECIFICATIONS INDICATED ON THE APPROVED CONSTRUCTION PLANS AND SITE PLANS ON FILE WITH THE TOWN OF NEWBURGH.
13. THIS PLAT DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY ARTICLE 12A AND 239L AND M OF THE GENERAL MUNICIPAL LAW.
14. ALL FEES SHALL BE PAID TO THE TOWN OF NEWBURGH PRIOR TO PLAN SIGNATURE.
15. A SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE PREPARED AND INCLUDED WITHIN THE PLAN SET. NO WORK OR CLEARING SHALL COMMENCE ON THE PROPERTY BEFORE APPROVAL BY THE PLANNING BOARD. EROSION CONTROL PRACTICES SHALL BE REVIEWED BY THE TOWN OF NEWBURGH ENGINEER AND/OR BUILDING INSPECTOR DURING THE SITE WORK AND CONSTRUCTION PROCESS AND CHANGES MADE TO ACHIEVE PROPER EROSION CONTROL PRACTICES.
16. DUE TO THE CLOSE PROXIMITY OF THE PROPOSED BUILDING(S) TO THE ZONING SETBACKS, STAKEOUT BY A LICENSED SURVEYOR PRIOR TO ISSUANCE OF A BUILDING PERMIT IS REQUIRED.

TABLE OF ZONING REQUIREMENTS
TOWN OF NEWBURGH - IB ZONE
USE #15 - SELF STORAGE CENTERS

| MINIMUM | REQUIRED | PROVIDED |
|----------------------|-----------|------------|
| LOT AREA | 3 ACRES | 9.2 ACRES |
| LOT WIDTH | 100 FT. | 495 FT. |
| LOT DEPTH | 125 FT. | 800 FT. |
| FRONT YARD | 80 FT. | 98 FT. |
| ONE SIDE YARD/BOTH | 30/60 FT. | 56/195 FT. |
| REAR YARD | 40 FT. | 69 FT. |
| MAXIMUM | ALLOWED | PROVIDED |
| BUILDING HEIGHT | 15 FT. | 15 FT. |
| BUILDING COVERAGE | 30% | 14±% |
| DEVELOPMENT COVERAGE | 60% | 40±% |

PARKING REQUIREMENTS
REQUIRED

OFFICE: 1 PARKING SPACE PER 200 SF UP TO 20,000 GFA
300 SF OFFICE / 200 SF = 2 SPACES REQUIRED FOR OFFICE AREA
CARETAKER UNIT = 2 SPACES REQUIRED

TOTAL = 4 PARKING SPACES REQUIRED
TOTAL = 5 PARKING SPACES PROVIDED
INCLUDING 1 HANDICAP SPACE

RECORD OWNER:

CBPS III, LLC
11 AMERICAN WAY
NEWBURGH, NEW YORK 12550
L. 15351 P. 831
34 - 2 - 34

APPLICANT:

NEWBURGH ELITE STORAGE
208 SOUTH PLANK ROAD
NEWBURGH, NEW YORK 12550

AREA:

9.238± AC.

FEDERAL WETLAND AREA:

3.766± AC.

SITE PLAN SHEET INDEX:

1. SITE PLAN
2. EXISTING CONDITIONS
3. TREE LOCATION AND REMOVAL PLAN
4. TREE REMOVAL CHART
5. GRADING AND UTILITY PLAN
6. SEWAGE DISPOSAL SYSTEM DESIGN AND DETAILS
7. EROSION AND SEDIMENT CONTROL PLAN
8. LANDSCAPING PLAN AND DETAILS
9. VEHICLE TURNING MOVEMENT PLAN
10. LIGHTING PLAN AND DETAILS
11. ACCESS EASEMENT PLAN
12. WETLAND MITIGATION PLAN
13. CONSTRUCTION DETAILS 1
14. CONSTRUCTION DETAILS 2
15. CONSTRUCTION DETAILS 3

SELF STORAGE CENTER NOTES:

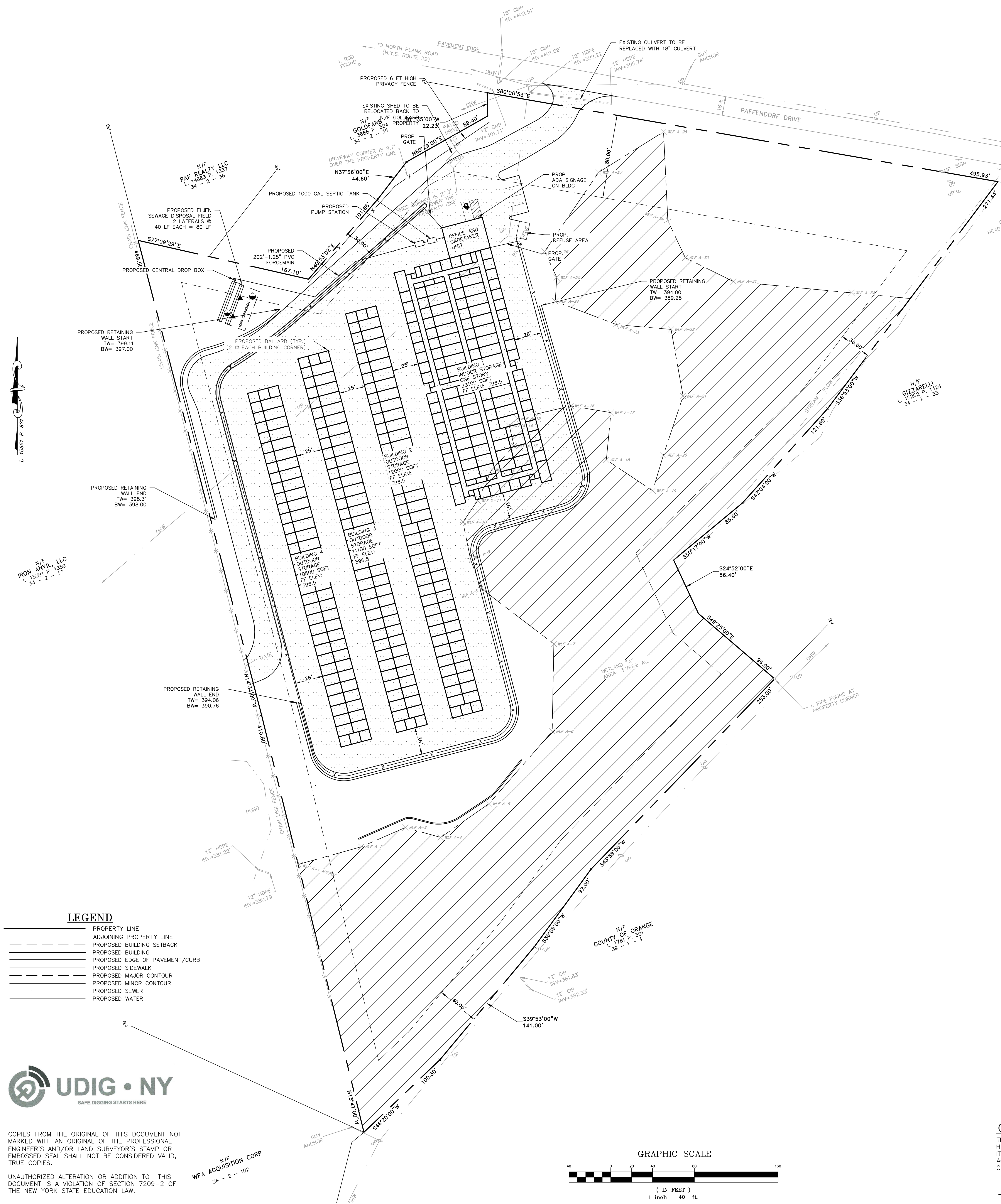
Only dead storage activities shall be permitted. dead storage shall mean the keeping of goods not in use and not associated with any office, retail or other business activity conducted on the premises. Conducting an office, retail or other business use or sales from a storage unit shall be prohibited.

Outside storage shall be prohibited. Storage of all property shall be inside a building. Vehicle parking shall be provided for tenants and employees only while they are on the premises. Except for storage of boats and campers, motor vehicles shall not be parked overnight or otherwise stored outdoors on the site.

OWNER'S CONSENT NOTE:

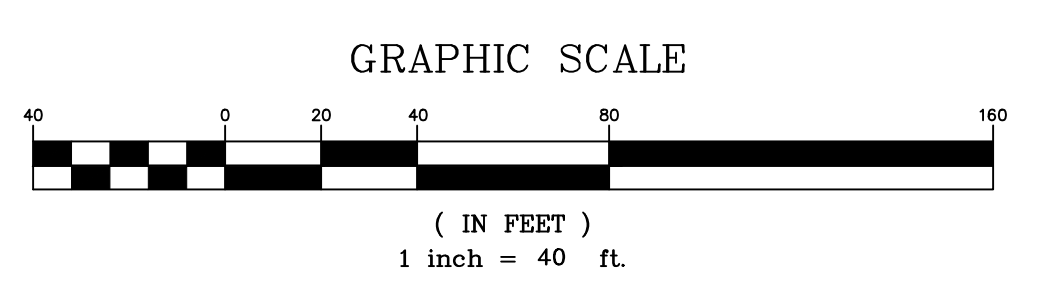
THE UNDERSIGNED OWNER(S) OF THE PROPERTY SHOWN HEREON STATES THAT HE IS FAMILIAR WITH THIS SITE PLAN MAP, ITS CONTENTS, LEGENDS AND NOTATIONS, AND HEREBY AGREES AND CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

OWNER



LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPOSED BUILDING SETBACK
- PROPOSED BUILDING
- PROPOSED EDGE OF PAVEMENT/CURB
- PROPOSED SIDEWALK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SEWER
- PROPOSED WATER



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| | | | | | |
|---|--|-------------------------------------|--|--|--|
| TOWN OF NEWBURGH SITE PLAN APPROVAL: | | Engineering and Surveying, P.C. | | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | |
| | | Date: MAY 27, 2024 | | | |
| | | Revision: | | SEPTEMBER 10, 2024 OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 | |
| | | Title: | | Site Plan.DWG | |
| | | Layout: | | ENG | |
| | | Scale: | | 1" = 40' | |
| | | Tax Map No.: | | 34 - 2 - 34 | |
| | | Drawing No.: | | A-24 - 0059 - 01 | |

SITE PLAN PREPARED FOR

NEWBURGH ELITE STORAGE

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

| | | | | |
|-----------|-------------|----------|--------------|------------------|
| Drawn By: | Checked By: | Scale: | Tax Map No.: | Drawing No.: |
| JJ | | 1" = 40' | 34 - 2 - 34 | A-24 - 0059 - 01 |

SURVEY NOTES:

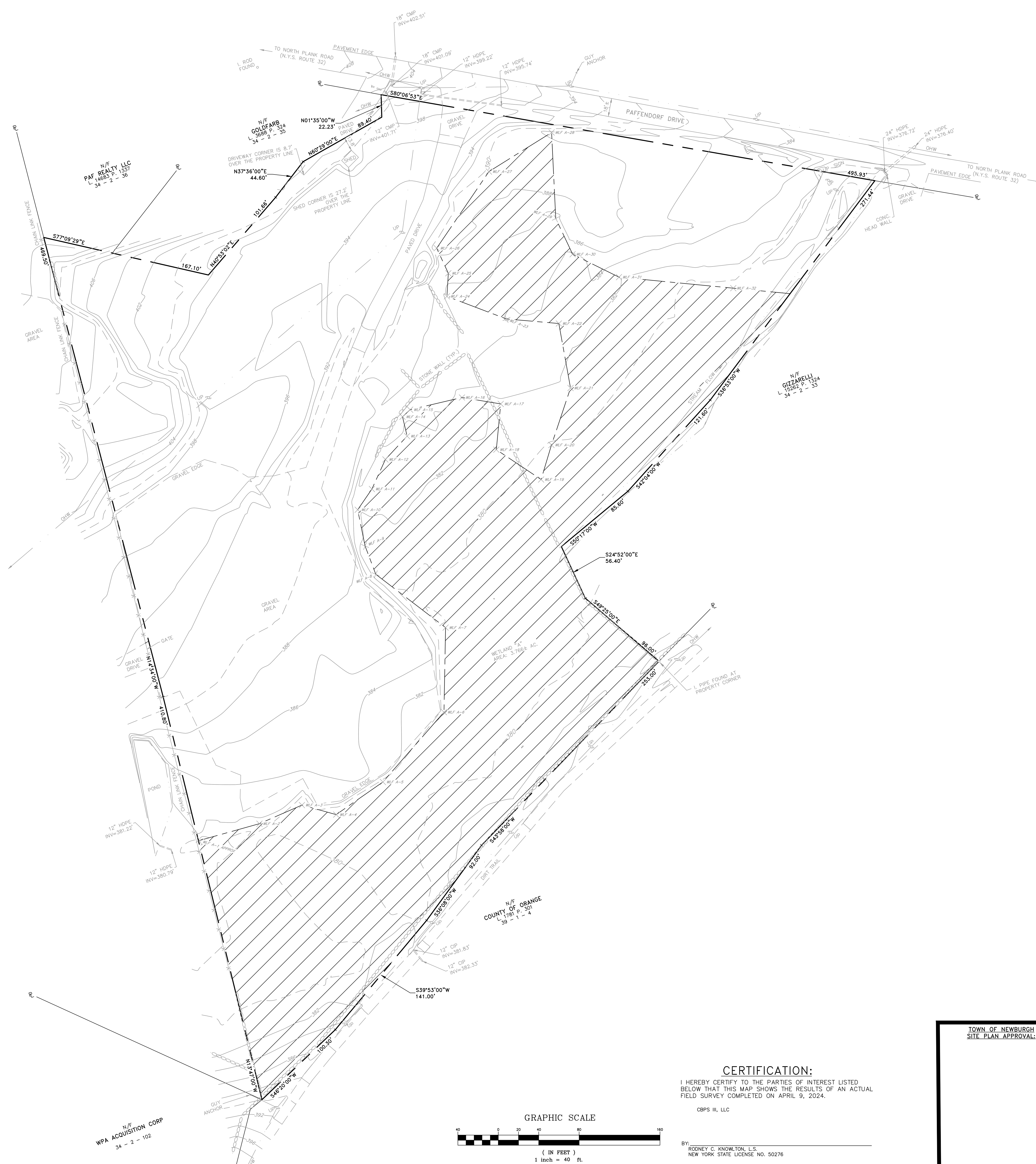
1. THIS SURVEY IS SUBJECT TO ANY FINDINGS OF A TITLE SEARCH.
2. SUBSURFACE STRUCTURES AND UTILITIES NOT VISIBLE AT THE TIME OF SURVEY HAVE NOT BEEN SHOWN.
3. REFERENCE:
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5. WETLAND FLAGS SHOWN HEREON AS FLAGGED BY ECOLOGICAL SOLUTIONS AND FIELD LOCATED BY LANC & TULLY ENGINEERING AND SURVEYING P.C. ON APRIL 9, 2024.

STONE WALL NOTES:

STONE WALLS WITHIN LIMIT OF DISTURBANCE TO BE SALVAGED AND RE-USED AT THE SITE ENTRANCE TO CREATE STONE WALLS IN LINE WITH TOWN OF NEWBURGH DESIGN GUIDELINES.



N/W
IRON ANVIL, LLC
L 16591 P. 1389
34 - 2 - 37



RECORD OWNER:

CBPS III, LLC
11 AMERICAN WAY
NEWBURGH, NEW YORK 12550
L 15351 P. 831
34 - 2 - 34

APPLICANT:

NEWBURGH ELITE STORAGE
208 SOUTH PLANK ROAD
NEWBURGH, NEW YORK 12550

AREA:

9.238± AC.

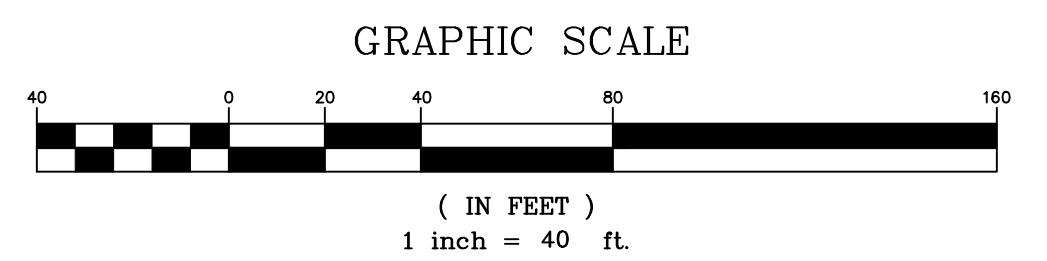
FEDERAL WETLAND AREA:

3.766± AC.



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N/W
WPA ACQUISITION CORP
34 - 2 - 102



CERTIFICATION:

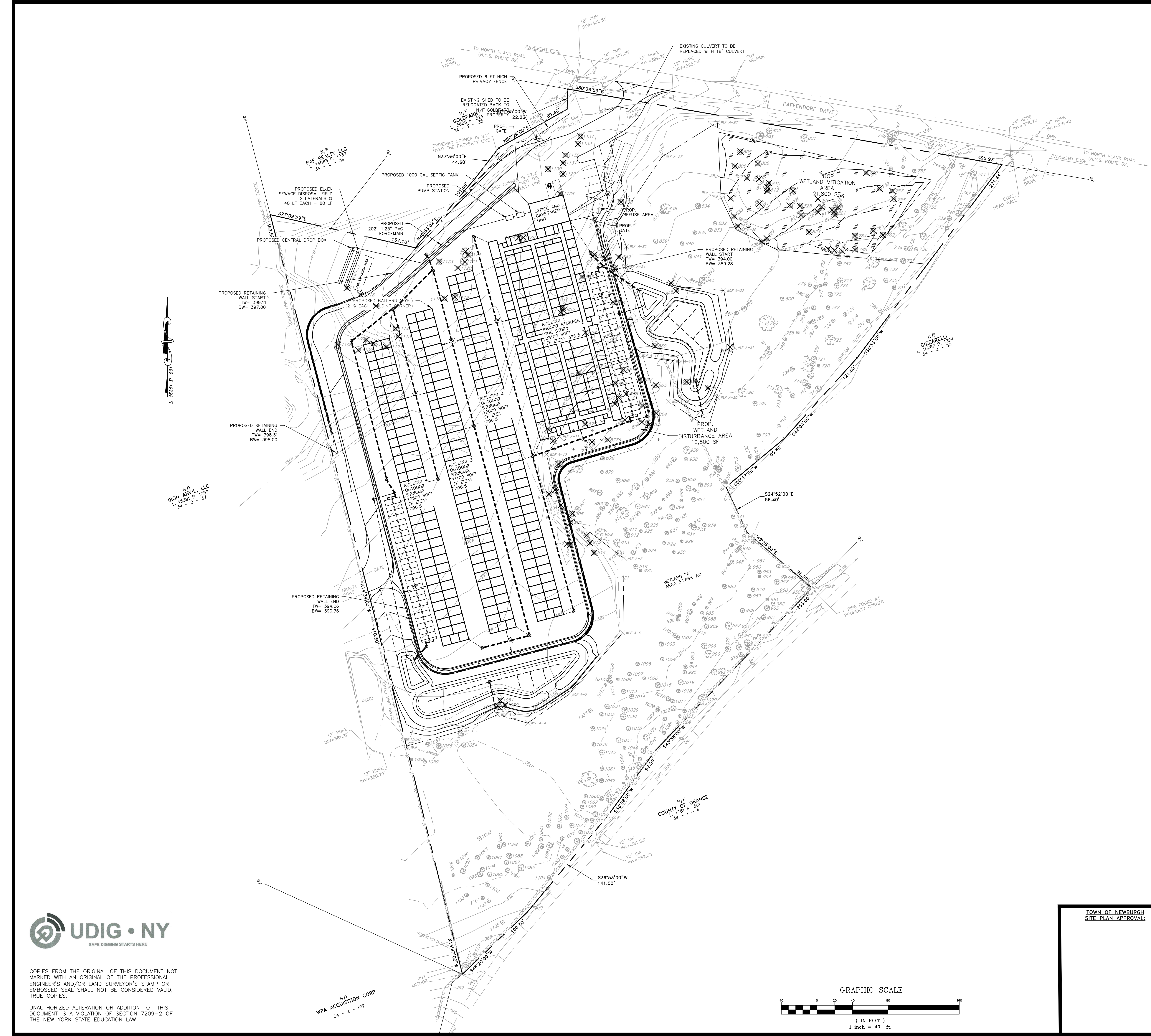
I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW THAT THIS MAP SHOWS THE RESULTS OF AN ACTUAL FIELD SURVEY COMPLETED ON APRIL 9, 2024.

CBPS III, LLC

BY:
ROONEY C. KNOWLTON, L.S.
NEW YORK STATE LICENSE NO. 50276

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| | | | |
|--|---------------------------------|---|--|
| TOWN OF NEWBURGH SITE PLAN APPROVAL | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | Date: APRIL 24, 2024 |
| | | | EXISTING CONDITIONS PREPARED FOR NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK |
| Drawn By: JG | Checked By: | Scale: 1" = 40' | Tax Map No.: 34 - 2 - 34 |
| Drawing No.: C30 | Sheet No.: 2 OF 15 | Revision: | Date: |



N/W ANVIL, LLC
L 15351 P. 1359
34 - 2 - 37

N/W WPA ACQUISITION CORP
34 - 2 - 102

RECORD OWNER:
CBPS III, LLC
11 AMERICAN WAY
NEWBURGH, NEW YORK 12550
L 15351 P. 831
34 - 2 - 34

APPLICANT:
NEWBURGH ELITE STORAGE
208 SOUTH PLANK ROAD
NEWBURGH, NEW YORK 12550

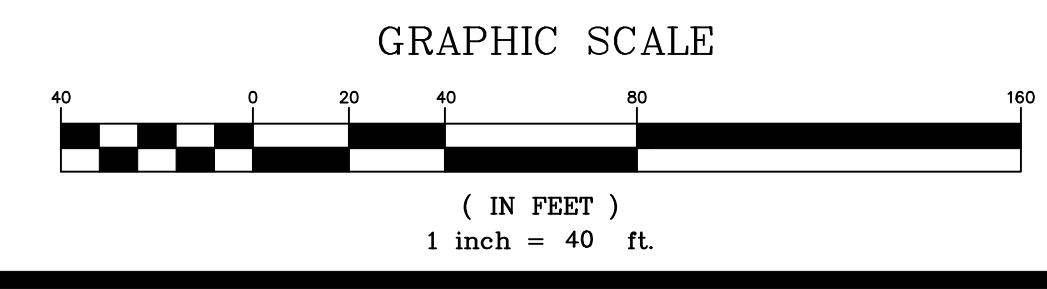
AREA:
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FEDERAL WETLAND AREA:
3.766± AC.



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| | | | NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK |
| TREE LOCATION AND REMOVAL PLAN PREPARED FOR | | | Revision: OCTOBER 27, 2024 NOVEMBER 24, 2024 DECEMBER 18, 2024 JANUARY 14, 2025 |
| Drawn By: JG | Checked By: | Scale: 1" = 40' | Tax Map No.: 34 - 2 - 34 Drawing No.: C30 A- 24 - 0059 - 01 |

| Point # | Raw Description | |
|---------|-----------------------------|---|
| 792 | TRE 16D TAG791 | N |
| 1035 | TRE DBL 10 6 TAG36 | N |
| 700 | TRE 8D TAG700 | N |
| 701 | TRE 8D TAG701 | N |
| 702 | TRE 8D TAG702 | N |
| 703 | TRE 16D TAG703 | N |
| 704 | TRE 14D TAG704 | N |
| 705 | TRE 18D TAG705 | N |
| 706 | TRE 16D TAG706 | N |
| 707 | TRE 10D TAG707 | N |
| 708 | TRE 14D TAG708 | N |
| 709 | TRE 12D TAG709 | N |
| 710 | TRE DBL 22D 18D TAG710 | N |
| 711 | TRE 12D TAG711 | N |
| 712 | TRE 22D 22D TAG712 | N |
| 713 | TRE 8D TAG713 | N |
| 714 | TRE 16D TAG714 | N |
| 715 | TRE 14D TAG715 | N |
| 716 | TRE 16D TAG716 | N |
| 717 | TRE 18D TAG717 | N |
| 718 | TRE 8D TAG718 | N |
| 719 | TRE 12D TAG719 | N |
| 720 | TRE 8D TAG720 | N |
| 721 | TRE 16D TAG721 | N |
| 722 | TRE DBL12D 16D TAG722 | N |
| 723 | TRE 26D TAG723 | N |
| 724 | TRE DBL 14D 10D TAG724 | N |
| 725 | TRE DBL 14D TAG725 | N |
| 726 | TRE DBL 16D TAG726 | N |
| 727 | TRE DBL 10D TAG727 | N |
| 728 | TRE DBL 14D 18D | N |
| 729 | TRE 30D TAG 729 | N |
| 730 | TRE 12D TAG 730 | N |
| 731 | TRE 8D TAG 731 | N |
| 732 | TRE QUAD 12 10 14 16 TAG732 | N |
| 733 | TRE 14D TAG733 | N |
| 734 | TRE DBL 8D 6D TAG734 | N |
| 735 | TRE 12D TAG735 | N |
| 736 | TRE 10D TAG736 | N |
| 737 | TRE 18D TAG737 | N |
| 738 | TRE TPL 8 12 14 | N |
| 739 | TRE 12D 739 | N |
| 740 | TRE 16D 740 | N |
| 741 | TRE 12D 741 | N |
| 742 | TRE DBL 8D 8D TAG 742 | N |
| 743 | TRE 20D TAG743 | N |
| 744 | TRE TPL 24 24 24 | N |
| 745 | TRE 14D TAG745 | N |
| 746 | TRE 20D TAG746 | N |
| 747 | TRE 12D TAG747 | N |

| Point # | Raw Description | |
|---------|-----------------------|---|
| 748 | TRE 16D TAG748 | N |
| 749 | TRE 14D TAG749 | N |
| 750 | TRE 8D TAG801 | N |
| 751 | TRE 10D TAG751 | N |
| 752 | TRE 8D TAG752 | N |
| 753 | TRE 10D TAG753 | N |
| 754 | TRE 26D TAG754 | N |
| 755 | TRE 20D TAG755 | Y |
| 756 | TRE 10D TAG756 | Y |
| 757 | TRE DBL 18 14 TAG757 | Y |
| 758 | TRE 10 TAG758 | Y |
| 759 | TRE 10 TAG759 | N |
| 760 | TRE 10 TAG760 | Y |
| 761 | TRE 24D TAG761 | Y |
| 762 | TRE 14D TAG762 | Y |
| 763 | TRE 16D TAG763 | Y |
| 764 | TRE 14D TAG764 | N |
| 765 | TRE 10D TAG765 | N |
| 766 | TRE 28D TAG766 | N |
| 767 | TRE 12D TAG767 | Y |
| 768 | TRE 12D TAG768 | Y |
| 769 | TRE 10D TAG769 | Y |
| 770 | TRE 16D TAG770 | N |
| 771 | TRE 10D TAG771 | N |
| 772 | TRE 10D TAG772 | N |
| 773 | TRE 16D TAG773 | N |
| 774 | TRE 14D TAG774 | N |
| 775 | TRE 12D TAG775 | N |
| 776 | TRE 10D TAG776 | N |
| 777 | TRE 8D TAG777 | N |
| 778 | TRE 10D TAG778 | N |
| 779 | TRE DBL 8 10D TAG779 | N |
| 780 | TRE DBL 8 10D TAG780 | N |
| 781 | TRE 12D TAG781 | N |
| 782 | TRE 10D TAG782 | N |
| 783 | TRE 8D TAG783 | N |
| 784 | TRE 10D TAG784 | N |
| 785 | TRE 8D TAG785 | N |
| 786 | TRE 12D TAG786 | N |
| 787 | TRE 8D TAG787 | N |
| 788 | TRE 8D TAG788 | N |
| 789 | TRE 8D TAG789 | N |
| 790 | TRE 40D TAG790 | N |
| 791 | TRE 8D TAG791 | N |
| 793 | TRE 16D TAG792 | N |
| 794 | TRE 12D TAG794 | N |
| 795 | TRE 12D TAG795 | Y |
| 796 | TRE 24D TAG796 | Y |
| 797 | TRE DBL 18 18D TAG797 | N |
| 798 | TRE 22D TAG798 | N |

| Point # | Raw Description | |
|---------|-------------------------|---|
| 799 | TRE 14D TAG799 | N |
| 800 | TRE DBL 10 24D TAG800 | N |
| 801 | TRE 14D TAG801 | N |
| 802 | TRE 16D TAG802 | N |
| 803 | TRE TPL 8 8 6 TAG803 | N |
| 804 | TRE 8D TAG804 | Y |
| 805 | TRE 14D TAG805 | Y |
| 806 | TRE 12D TAG806 | Y |
| 807 | TRE 10D TAG807 | Y |
| 808 | TRE 14D TAG808 | Y |
| 809 | TRE 10D TAG809 | Y |
| 810 | TRE 12D TAG810 | Y |
| 811 | TRE 18D TAG811 | Y |
| 812 | TRE 14D TAG812 | Y |
| 813 | TRE 24D TAG813 | Y |
| 814 | TRE 18D TAG814 | Y |
| 815 | TRE 8D TAG815 | Y |
| 816 | TRE 10D TAG816 | Y |
| 817 | TRE 16D TAG817 | Y |
| 818 | TRE 14D TAG818 | Y |
| 819 | TRE 12D TAG819 | Y |
| 820 | TRE 24D TAG820 | Y |
| 821 | TRE 12D TAG821 | Y |
| 822 | TRE 12D TAG822 | Y |
| 823 | TRE 14D TAG823 | Y |
| 824 | TRE 8D TAG824 | Y |
| 825 | TRE 12D TAG825 | Y |
| 826 | TRE 12D TAG826 | Y |
| 827 | TRE DBL 10 6 TAG827 | Y |
| 828 | TRE 10D TAG828 | Y |
| 829 | TRE TPL 10 14 6 TAG829 | Y |
| 830 | TRE TPL 10 12 14 TAG830 | N |
| 831 | TRE 8D TAG831 | N |
| 832 | TRE 10D TAG832 | N |
| 833 | TRE 10D TAG833 | N |
| 834 | TRE 14 16 12 12 18 | N |
| 835 | TRE 10D TAG835 | N |
| 836 | TRE 26D TAG836 | Y |
| 837 | TRE 10D TAG837 | N |
| 838 | TRE 14D TAG838 | N |
| 839 | TRE 12 6 8 10 TAG839 | N |
| 840 | TRE DBL 8 8 TAG840 | N |
| 841 | TRE 10D TAG841 | N |
| 842 | TRE 18D TAG842 | N |
| 843 | TRE 18D TAG843 | N |
| 844 | TRE 10D TAG844 | Y |
| 845 | TRE 10D TAG845 | Y |
| 846 | TRE 14D TAG846 | Y |
| 847 | TRE 10 8 14 14 TAG847 | Y |
| 848 | TRE DBL 10 14 TAG848 | Y |

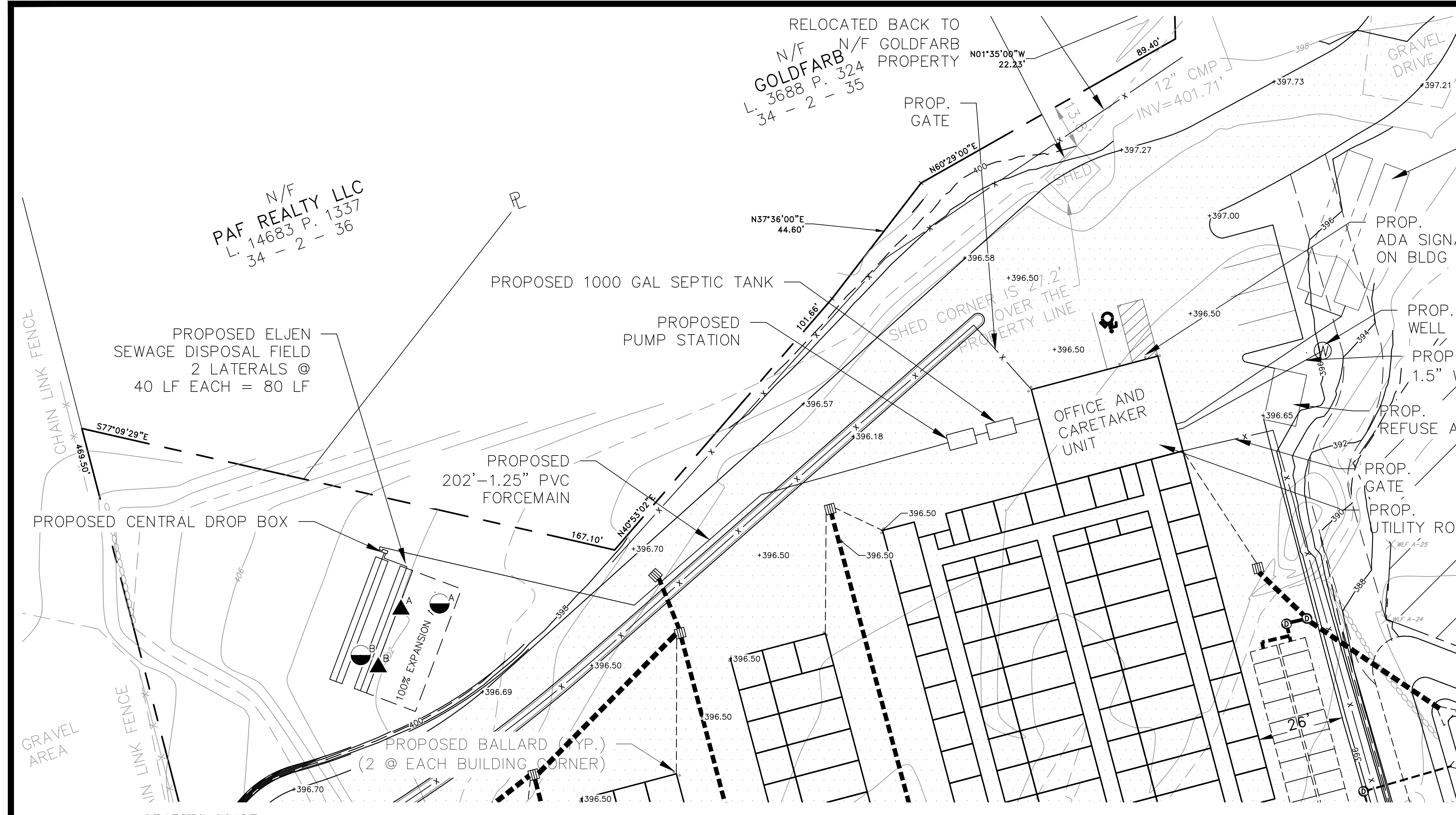
| Point # | Raw Description | |
|---------|-------------------------|---|
| 849 | TRE 8D TAG849 | Y |
| 850 | TRE 16D TAG850 | Y |
| 851 | TRE 14D TAG851 | Y |
| 852 | TRE 12D TAG852 | Y |
| 853 | TRE 8 8 6 TAG853 | Y |
| 854 | TRE 10D TAG854 | Y |
| 855 | TRE 12D TAG855 | Y |
| 856 | TRE 10D TAG856 | Y |
| 857 | TRE 10D TAG857 | Y |
| 858 | TRE 10D TAG858 | Y |
| 859 | TRE 10D TAG859 | Y |
| 860 | TRE 12D TAG860 | Y |
| 861 | TRE DBL 12 12D TAG861 | Y |
| 862 | TRE 12D TAG862 | Y |
| 863 | TRE 12 8 6 TAG863 | Y |
| 864 | TRE 20D TAG864 | Y |
| 865 | TRE 24D TAG865 | Y |
| 866 | TRE 8D TAG866 | Y |
| 867 | TRE 12D TAG867 | Y |
| 868 | TRE 8D TAG868 | Y |
| 869 | TRE 14 12 12 10D TAG869 | Y |
| 870 | TRE 16D TAG870 | Y |
| 871 | TRE 10 8D TAG871 | Y |
| 872 | TRE 12D TAG872 | Y |
| 873 | TRE 8D TAG873 | Y |
| 874 | TRE 16D TAG874 | Y |
| 875 | TRE 10 8D TAG875 | Y |
| 876 | TRE 22D TAG876 | N |
| 877 | TRE 10 20D TAG877 | N |
| 878 | TRE 10D TAG878 | N |
| 879 | TRE 8 20 20D TAG879 | N |
| 880 | TRE 20 18D TAG880 | N |
| 881 | TRE 14 18D TAG881 | N |
| 882 | TRE 12D TAG882 | N |
| 883 | TRE 8D TAG883 | N |
| 884 | TRE 14D TAG884 | N |
| 885 | TRE 10D TAG885 | N |
| 886 | TRE 12D TAG886 | N |
| 887 | TRE 18 16D TAG887 | N |
| 888 | TRE 10 18D TAG888 | N |
| 889 | TRE 16 16D TAG889 | N |
| 890 | TRE 14D TAG890 | N |
| 891 | TRE 12D TAG891 | N |
| 892 | TRE 8D TAG892 | N |
| 893 | TRE 8 10D TAG893 | N |
| 894 | TRE 14D TAG894 | N |
| 895 | TRE 14D TAG895 | N |
| 896 | TRE 8D TAG896 | N |
| 897 | TRE 12D TAG897 | N |
| 898 | TRE 14 8D TAG898 | N |

| Point # | Raw Description | |
|---------|----------------------|---|
| 899 | TRE 12D TAG899 | Y |
| 900 | TRE 12D TAG900 | Y |
| 901 | TRE 18D TAG901 | Y |
| 902 | TRE 18D TAG902 | Y |
| 903 | TRE 12 12 8 TAG903 | Y |
| 904 | TRE 32TAG904 | Y |
| 905 | TRE DBL 16 12 TAG905 | N |
| 906 | TRE 14 TAG906 | N |
| 907 | TRE 14 TAG907 | N |
| 908 | TRE 14 TAG908 | N |
| 909 | TRE 30 TAG909 | N |
| 910 | TRE 30 TAG910 | N |
| 911 | TRE DBL 14 16 TAG911 | N |
| 912 | TRE 14 TAG912 | N |
| 913 | TRE 20 TAG913 | N |
| 914 | TRE 12 TAG914 | Y |
| 915 | TRE 14 TAG915 | N |
| 916 | TRE 8 TAG916 | N |
| 917 | TRE 8 TAG917 | N |
| 918 | TRE 16 TAG918 | N |
| 919 | TRE 10 TAG919 | N |
| 920 | TRE 8 TAG920 | N |
| 921 | TRE DBL 10 12 TAG921 | N |
| 922 | TRE 10 TAG922 | N |
| 923 | TRE 12 TAG923 | N |
| 924 | TRE 10 TAG924 | N |
| 925 | TRE 8 12 TAG925 | N |
| 926 | TRE 14 TAG926 | N |
| 927 | TRE 10 TAG927 | N |
| 928 | TRE 8 TAG928 | N |
| 929 | TRE 8 TAG929 | N |
| 930 | TRE 8 TAG930 | N |
| 931 | TRE 8 TAG931 | N |
| 932 | TRE DBL 8 6 TAG932 | N |
| 933 | TRE 14 TAG933 | N |
| 934 | TRE DBL 10 8 TAG934 | N |
| 935 | TRE 10 TAG935 | N |
| 936 | TRE 10 TAG936 | N |
| 937 | TRE 12 TAG937 | N |
| 938 | TRE 10 TAG938 | N |
| 939 | TRE 20 TAG939 | N |
| 940 | TRE 12 TAG940 | N |
| 941 | TRE 10 TAG941 | N |
| 942 | TRE 10 TAG942 | N |
| 943 | TRE DBL 12 12 TAG943 | N |
| 944 | TRE 10 TAG944 | N |
| 945 | TRE 10 TAG945 | N |
| 946 | TRE 10 TAG946 | N |
| 947 | TRE 10 TAG947 | N |
| 948 | TRE 10 TAG948 | N |

| Point # | Raw Description | |
|---------|------------------------|---|
| 949 | TRE 8 TAG949 | N |
| 950 | TRE 8 TAG950 | N |
| 951 | TRE DBL 8 12 TAG951 | N |
| 952 | TRE 12 TAG952 | N |
| 953 | TRE 10 TAG953 | N |
| 954 | TRE 8 TAG954 | N |
| 955 | TRE 10 TAG955 | N |
| 956 | TRE 14 TAG956 | N |
| 957 | TRE 14 TAG957 | N |
| 958 | TRE DBL 10 10TAG958 | N |
| 959 | TRE 38 TAG959 | N |
| 960 | TRE DBL 12 12 TAG960 | N |
| 961 | TRE 8 TAG961 | N |
| 962 | TRE 10 TAG962 | N |
| 963 | TRE 14 TAG963 | N |
| 964 | TRE DBL 12 10 TAG964 | N |
| 965 | TRE DBL 8 16 TAG965 | N |
| 966 | TRE DBL 14 14 TAG966 | N |
| 967 | TRE 12 TAG967 | N |
| 968 | TRE 12 TAG968 | N |
| 969 | TRE 10 TAG969 | N |
| 970 | TRE 10 TAG970 | N |
| 971 | TRE 12 TAG971 | N |
| 972 | TRE 10 TAG972 | N |
| 973 | TRE TPL 4 10 16 TAG973 | N |
| 974 | TRE 16 TAG974 | N |
| 975 | TRE 12 TAG975 | N |
| 976 | TRE 10 TAG976 | N |
| 977 | TRE 14 TAG977 | N |
| 978 | TRE 12 TAG978 | N |
| 979 | TRE 16 TAG979 | N |
| 980 | TRE 16 TAG980 | N |
| 981 | TRE 10 TAG981 | N |
| 982 | TRE 20 TAG982 | N |
| 983 | TRE 12 TAG983 | N |
| 984 | TRE 8 TAG984 | N |
| 985 | TRE DBL 12 12 TAG985 | N |
| 986 | TRE 8 TAG986 | N |
| 987 | TRE 14 TAG987 | N |
| 988 | TRE 12 TAG988 | N |
| 989 | TRE 12 TAG989 | N |
| 990 | TRE 20 TAG990 | N |
| 991 | TRE 20 TAG991 | N |
| 992 | TRE 16 TAG992 | N |
| 993 | TRE 8 TAG993 | N |
| 994 | TRE 10 TAG994 | N |
| 995 | TRE 10 TAG995 | N |
| 996 | TRE 16 TAG996 | N |
| 997 | TRE 8 TAG997 | N |
| 998 | TRE 10 TAG998 | N |

| Point # | Raw Description | |
|---------|-----------------------|---|
| 999 | TRE 8 TAG999 | N |
| 1000 | TRE 8 TAG1000 | N |
| 1001 | TRE 12 TAG1001 | N |
| 1002 | TRE DBL 12 12 TAG1002 | N |
| 1003 | TRE 12 TAG1003 | N |
| 1004 | TRE DBL 8 14 TAG1004 | N |
| 1005 | TRE 10 TAG1005 | N |
| 1006 | TRE 8 TAG1006 | N |
| 1007 | TRE DBL 8 5 TAG1007 | N |
| 1008 | TRE 8 TAG1008 | N |
| 1009 | TRE DBL 8 6 TAG1009 | N |
| 1010 | TRE 12 TAG1010 | N |
| 1011 | TRE 8 TAG1011 | N |
| 1012 | TRE 8 TAG1012 | N |
| 1013 | TRE 12 TAG1013 | N |
| 1014 | TRE 12 TAG1014 | N |
| 1015 | TRE 14 TAG1015 | N |
| 1016 | TRE 12 TAG1016 | N |
| 1017 | TRE DBL 12 8 TAG1017 | N |
| 1018 | TRE 10 TAG1018 | N |
| 1019 | TRE 14 TAG1019 | N |
| 1020 | TRE 28TAG1020 | N |
| 1021 | TRE 10 TAG1021 | N |
| 1022 | TRE 14 TAG1022 | N |
| 1023 | TRE 8 TAG1023 | N |
| 1024 | TRE 8 TAG1024 | N |
| 1025 | TRE 10 TAG1025 | N |
| 1026 | TRE DBL 10 6 TAG1026 | N |
| 1027 | TRE 10 TAG1027 | N |
| 1028 | TRE 10 TAG1028 | N |
| 1029 | TRE 16 TAG1029 | N |
| 1030 | TRE 16 TAG1030 | N |
| 1031 | TRE 12 TAG1031 | N |
| 1032 | TRE 10 TAG1032 | N |
| 1033 | TRE DBL 8 8 TAG1033 | N |
| 1034 | TRE 12 TAG1034 | N |
| 1035 | TRE DBL 10 6 TAG1035 | N |
| 1037 | TRE 14 TAG1037 | N |
| 1038 | TRE 12 TAG1038 | N |
| 1039 | TRE 16 TAG1039 | N |
| 1040 | TRE 8 TAG1040 | N |
| 1041 | TRE 14 TAG1041 | N |
| 1042 | TRE 10 TAG1042 | N |
| 1043 | TRE 18 TAG1043 | N |
| 1044 | TRE 8 TAG1044 | N |
| 1045 | TRE 14 TAG1045 | N |
| 1046 | TRE 10 TAG1046 | N |
| 1047 | TRE 10 TAG1047 | N |
| 1048 | TRE 10 TAG1048 | N |
| 1049 | TRE 10 TAG1049 | Y |

| Point # | Raw Description | |
|---------|----------------------|---|
| 1050 | TRE 8D TAG 51 | Y |
| 1051 | TRE DBL 10 12 TAG 52 | N |
| 1052 | TRE 14D TAG 53 | N |
| 1053 | TRE 14D TAG 54 | N |
| 1054 | TRE 12D TAG 55 | N |
| 1055 | TRE 14D TAG 56 | N |
| 1056 | TRE 8 8 12 12 12 16 | N |
| 1057 | TRE 12D TAG58 | N |
| | | |



PERCOLATION TEST RESULTS:
 PERCOLATION TESTS 'A' & 'B' WERE PERFORMED ON MAY 22, 2024 BY LANC & TULLY ENGINEERING AND SURVEYING, P.C.

| PERC. TEST RATE (MIN.) | DESIGN RATE (MIN.) | GPD (FLOW) | LENGTH OF FIELD (FEET) | TYPE OF SYSTEM | | |
|------------------------|--------------------|------------|------------------------|----------------|-----|-------|
| 37 | 28 | 31-45 | 200 GPD | 222 | 224 | ELJEN |

SYSTEM DESIGN
 SYSTEM FLOWS AND DESIGN FOR NEW SDS:
 FLOW RATE FOR OFFICE/RETAIL = 30 GPD (300 SF * 0.1 GPD/SF)
 FLOW RATE FOR CARETAKER UNIT = 220 GPD (110 GPD PER BEDROOM)
 290 GPD = 50 GPD = 200 GPD (DESIGN FLOW)
 DESIGN PERCOLATION RATE: 31-45 MINUTES/FOOT
 DESIGN APPLICATION RATE: 0.5 GAL/DAY/SQUARE FOOT
 APPLICATION RATE (ELJEN): 6 SQ FT/LIN. FT. OF TRENCH
 SQUARE FOOTAGE REQ'D: 200 GPD / 0.5 GPD/SQ FT = 400 SQ FT
 ABSORPTION FIELD TRENCH LENGTH REQUIRED: 400 SQ FT/6 SQ FT PER LIN. FT. = 67 LIN. FT. OF TRENCH
 ABSORPTION FIELD TRENCH PROVIDED: 2 LATERALS @ 40 FEET = 80 LINEAR FEET
 SEPTIC TANK SIZING: 290 GPD X 1.5 = 375 GPD - USE 1,000 GAL TANK

DEEP TEST RESULTS
 A & B - SITE INSPECTION PERFORMED ON MAY 22, 2024 BY LANC & TULLY ENGINEERING, P. C.

| GROUND LEVEL | A | B |
|--------------|-------------------------|--------------------------------|
| 1' | SILT LOAM / GRAVEL | SILT LOAM / GRAVEL |
| 2' | SILT LOAM / GRAVEL | SILT LOAM / GRAVEL |
| 3' | SILT LOAM / GRAVEL | SILT LOAM / GRAVEL |
| 4' | SILT LOAM WITH BOULDERS | SILT LOAM WITH CLAY AND STONES |
| 5' | 66" | 66" |
| 6' | 84" | 84" |
| 7' | 84" | 84" |

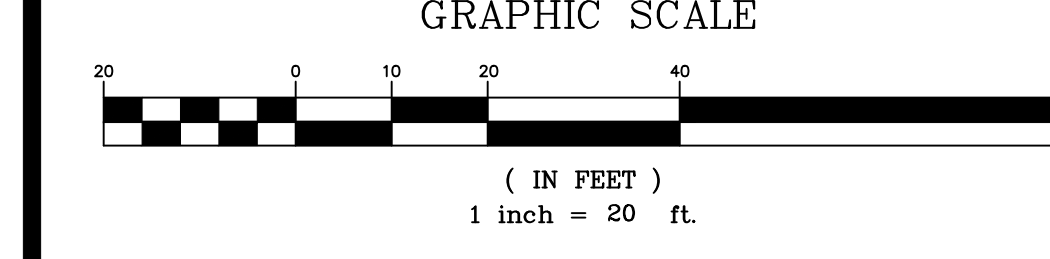
**TABLE 2
 REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS**

| SYSTEM COMPONENTS | WELL OR SUCTION LINE (s)(g) | STREAM, LAKE, WATER COURSE(s), OR WETLAND | DWELLING | PROPERTY LINE | DRAINAGE DITCH OR RAIN GARDENS (d) |
|---|-----------------------------------|---|----------|---------------|------------------------------------|
| HOUSE SEWER (WATERTIGHT JOINTS) | 25' IF CAST IRON OR 50' OTHERWISE | 25' | 3' | 10' | 10' |
| SEPTIC TANK | 50' | 50' | 10' | 10' | 10' |
| EFFLUENT LINE TO DISTRIBUTION BOX | 50' | 50' | 10' | 10' | 10' |
| DISTRIBUTION BOX/DROP BOX | 100' | 100' | 20' | 10' | 35' |
| ABSORPTION FIELD (c)(d) | 100'(g) | 100' | 20' | 10' | 35' |
| SEPAIGE PIT (g) | 150'(g) | 100' | 20' | 10' | 35' |
| INTERMITTENT SAND FILTER (d) | 100'(s)(f) | 100' | 20' | 10' | 35' |
| RAISED OR MOUND SYSTEM (c)(d) | 50' | 25' | 20' | 10' | 10' |
| NON-WATERBORNE SYSTEMS WITH OFFSITE RESIDUAL DISPOSAL | 50' | 50' | 20' | 10' | 10' |
| NON-WATERBORNE SYSTEMS WITH ONSITE DISCHARGE | 100' | 50' | 20' | 10' | 20' |

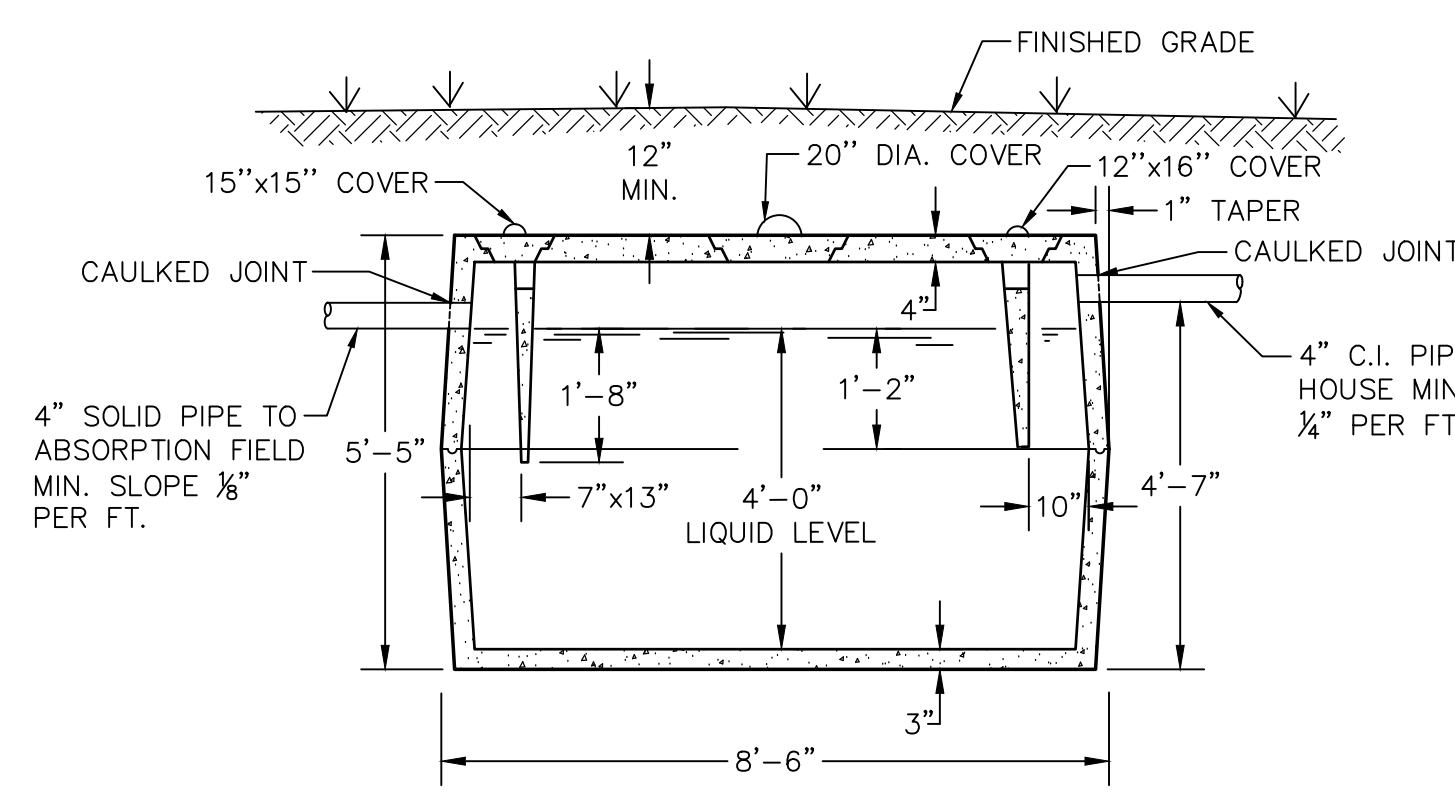
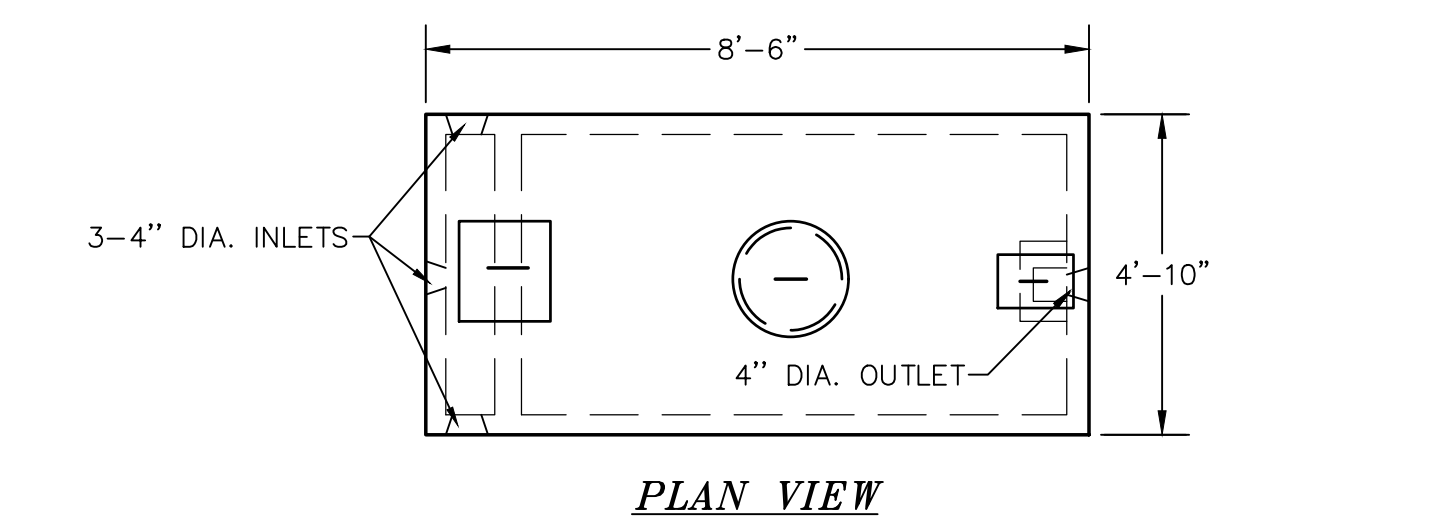
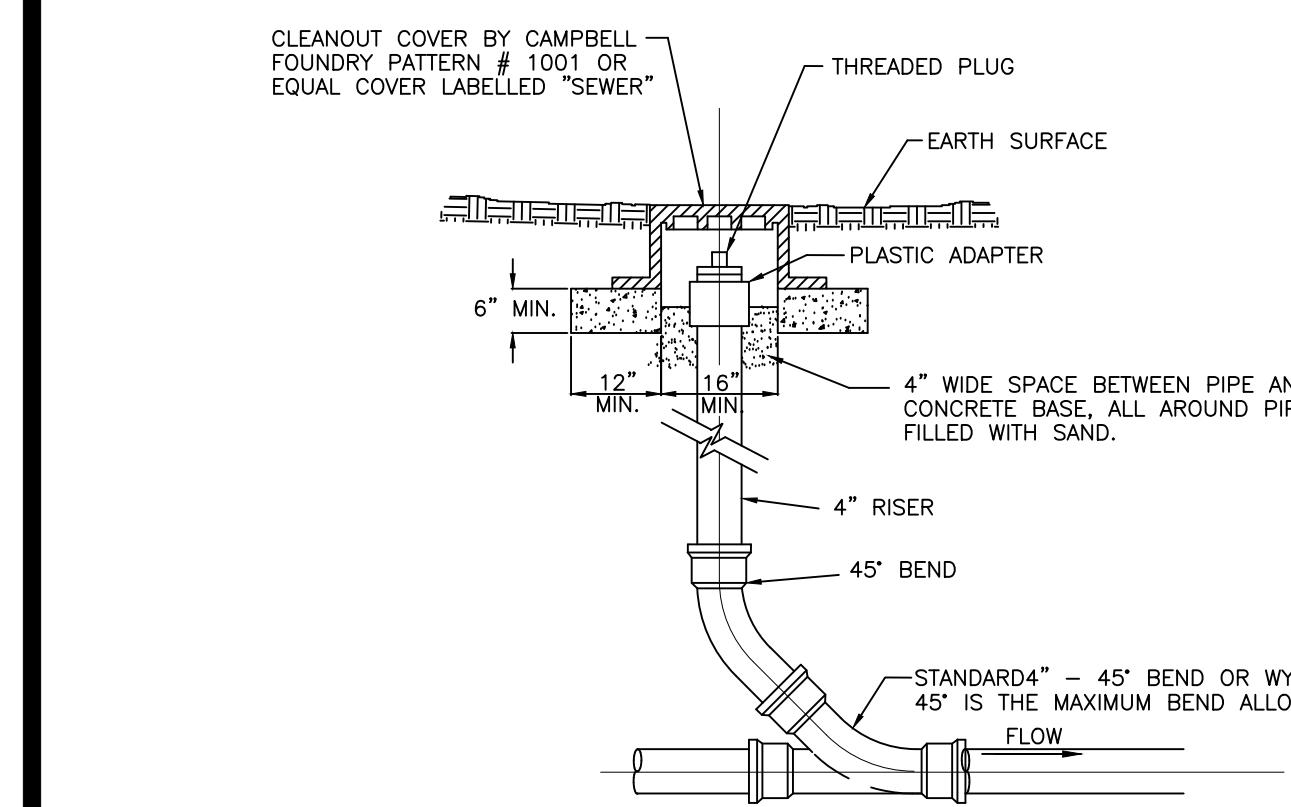
- WHEN WASTEWATER TREATMENT SYSTEMS ARE LOCATED UPGRADE AND IN THE DIRECT PATH OF THE SURFACE WATER DRAINAGE TO WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
- MEAN HIGH WATER MARK: WETLAND OR WATERCOURSE DETERMINATION SHOULD BE ADDRESSED WITH THE LHD OR OTHER AGENCY HAVING JURISDICTION AND THE APPLICABLE NYSDO REGIONAL OFFICE.
- FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL EXCEPT FOR SOME SHALLOW ABSORPTION TRENCH SYSTEMS AS DESCRIBED IN SEC. 9.12.2 OF THE NEW YORK STATE RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS DESIGN HANDBOOK.
- SEPARATION DISTANCES SHALL BE MEASURED FROM THE EDGE OF THE DESIGNATED ADDITIONAL USEABLE AREA (I.E., RESERVE AREA), WHEN AVAILABLE.
- THE CLOSEST PART OF THE WASTEWATER TREATMENT SYSTEM SHALL BE LOCATED AT LEAST TEN (10) FEET FROM ANY WATER SERVICE LINE (E.G. PUBLIC WATER SUPPLY MAIN, PUBLIC WATER SERVICE LINE, OR RESIDENTIAL WELL WATER SERVICE LINE).
- WHEN INTERMITTENT SAND FILTERS ARE DESIGNED TO BE WATERTIGHT AND COLLECT ALL EFFLUENT, THE SEPARATION DISTANCE CAN BE REDUCED TO 50 FEET.
- THE LISTED WATER WELL SEPARATION DISTANCES FROM CONTAMINATED SOURCES MUST BE INCREASED BY 50% WHENEVER AQUIFER WATER ENTERS THE WATER WELL AT LESS THAN 50 FEET BELOW GRADE. IF A 50% INCREASE CANNOT BE ACHIEVED, THEN THE GREATEST POSSIBLE INCREASE IN SEPARATION DISTANCE SHALL BE PROVIDED WITH SUCH ADDITIONAL MEASURES AS NEEDED TO PREVENT CONTAMINATION.
- RECOMMENDED: USE SITE EVALUATION TO AVOID OWTS SHORT-CIRCUITING TO THE SURFACE OR GROUNDWATER AND TO MINIMIZE IMPACTS ON OWS FUNCTIONALITY.

- ABOVE TABLE ACCEPTED AS ORANGE COUNTY HEALTH DEPARTMENT POLICY AND STANDARD WITH THE FOLLOWING ADDITIONS:
- SEPARATION: WELL TO SWALE, STREAM, OR WATERCOURSE - 25 FEET
 - SEPARATION: ABSORPTION FIELD TO HIGH WATER LINE OF A WET POND - 100 FEET
 - SEPARATION: ABSORPTION FIELD TO INTERMITTENT STREAM, DRY WELL, CULVERT OR STORM SEWER (NON-GASKETED PIPE), OR CATCH BASIN - 50 FEET
 - SEPARATION: ABSORPTION FIELD TO CULVERT OR STORM SEWER (GASKETED, TIGHT PIPE) - 35 FEET
 - SEPARATION: ABSORPTION FIELD TO CURTAIN DRAIN - 15 FEET
 - SEPARATION: ABSORPTION FIELD, PITS, EXPANSION AREA TO TOP OF EMBANKMENT OR STEEP (1 ON 3) SLOPE - 25 FEET
 - SEPARATION: ABSORPTION FIELD TO SOLID CURTAIN DRAIN, ROOF OR FOOTING PILES, SNOW STORAGE EASEMENT - 10 FEET
 - SEPARATION: ABSORPTION FIELD TO SOLID CURTAIN DRAIN, ROOF OR FOOTING PILES, SNOW STORAGE EASEMENT - 10 FEET
 - SEPARATION: WELL TO CEMETERY PROPERTY LINE - 100 FEET
 - SEPARATION: WELL TO SUBDIVISION BOUNDARY - 50 FEET

- SEPTIC SYSTEM NOTES**
- THE DESIGN AND LOCATION OF SANITARY FACILITIES (WELL AND SEWER SYSTEMS) SHALL NOT BE CHANGED WITHOUT REVIEW AND APPROVAL BY TOWN OF NEWBURGH.
 - TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED. THE ENDS OF THE LATERALS MUST BE CAPPED.
 - THERE IS NO REGRADING, EXCEPT AS SHOWN ON THE TYPED PLANS, IN THE AREA OF ABSORPTION FIELD.
 - HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE FIELD EXCEPT DURING THE ACTUAL CONSTRUCTION OF THE FIELD. 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 THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN IS BASED.
 - NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
 - THE PROPOSED SEWAGE DISPOSAL SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE CARBIDE GRINDERS OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS. AS SUCH, THESE ITEMS SHALL NOT BE USED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND RE-APPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
 - 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.
 - THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
 - SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY AND PUMPED EVERY 2 TO 3 YEARS.
 - PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND PHYSICAL DAMAGE.
 - DISTRIBUTION BOXES/DROP BOXES SHOULD BE INSPECTED ANNUALLY TO ASSURE THAT IT IS LEVEL AND OPERATING PROPERLY.
 - INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN ONE YEAR OF AVAILABILITY.
 - UDIG MUST BE CONTACTED PRIOR TO ANY EXCAVATION OR DEMOLITION (DIAL 811 OR WWW.UDIGNY.ORG).
 - A NYS LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPARTMENT) SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS.
 - AN AS-BUILT PLAN OF THE PROPOSED SEPTIC SYSTEM MUST BE SUBMITTED WITH THE CERTIFICATION PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

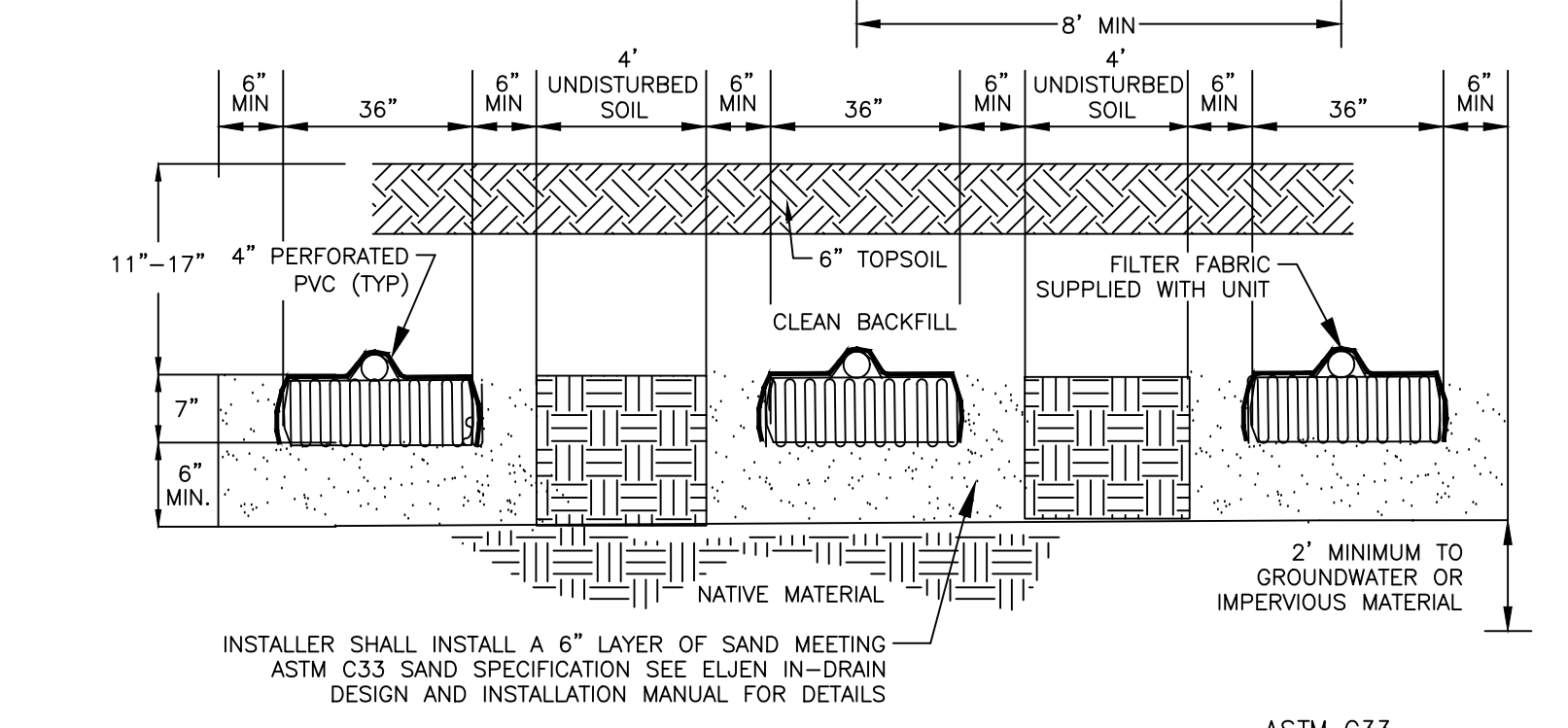


- LEGEND**
- PROPERTY LINE
 - ADJOINING PROPERTY LINE
 - PROPOSED BUILDING SETBACK
 - PROPOSED BUILDING
 - PROPOSED EDGE OF PAVEMENT/CURB
 - PROPOSED SIDEWALK
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED SEWER
 - PROPOSED WATER



- NOTES:**
- 1,000 GAL. CONCRETE SEPTIC TANK BY WOODARD'S CONCRETE PRODUCTS INC., BULLVILLE, N.Y. OR EQUAL.
 - AN ASPHALTIC SEAL SHALL BE APPLIED BETWEEN CONTACT SURFACES OF MANHOLE COVERS, INSPECTION COVERS, AND CLEANOUT COVERS.
 - CONCRETE MIN. STRENGTH: 4,000 PSI @ 28 DAYS.
 - STEEL REINFORCEMENT: 6"x6"x10GA. STEEL WIRE MESH.
 - ALL JOINTS TO BE CAULKED.

1000 GAL. CONCRETE SEPTIC TANK
 NOT TO SCALE



NOTES:

- DO NOT INSTALL TRENCHES IN WET SOIL.
- RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL/CONCRETE SAND.
- END OF ALL DISTRIBUTION PIPES MUST BE PLUGGED.
- TRENCHES TO BE INSTALLED PARALLEL WITH EXISTING CONTOURS WITH SPACING OF ABSORPTION TRENCHES TO BE A MINIMUM OF 8 FEET ON CENTER WITH A MINIMUM OF 4 FEET OF UNDISTURBED SOIL BETWEEN TRENCHES.
- ALL TRENCHES ARE TO HAVE IDENTICAL NUMBER OF ELJEN UNITS.
- NO SYSTEM IS TO BE CONSTRUCTED ON GROUND WITH A SLOPE IN EXCESS OF 15%.
- THE TRENCH BOTTOM SHALL BE FLAT. PERFORATED PIPE SLOPE SHALL BE 1/16"-1/32" FOR GRAVITY FED SYSTEMS AND SET NEARLY LEVEL FOR DOSING SYSTEMS.
- ALL PIPE PERFORATIONS MUST FACE DOWN.
- THE BACKFILL IN THE TRENCHES MUST BE MOUND FOR SETTLING. BACKFILL SHALL BE NATIVE MATERIAL DEVOID OF LARGE ROCKS (GREATER THAN 4") OR DEBRIS.

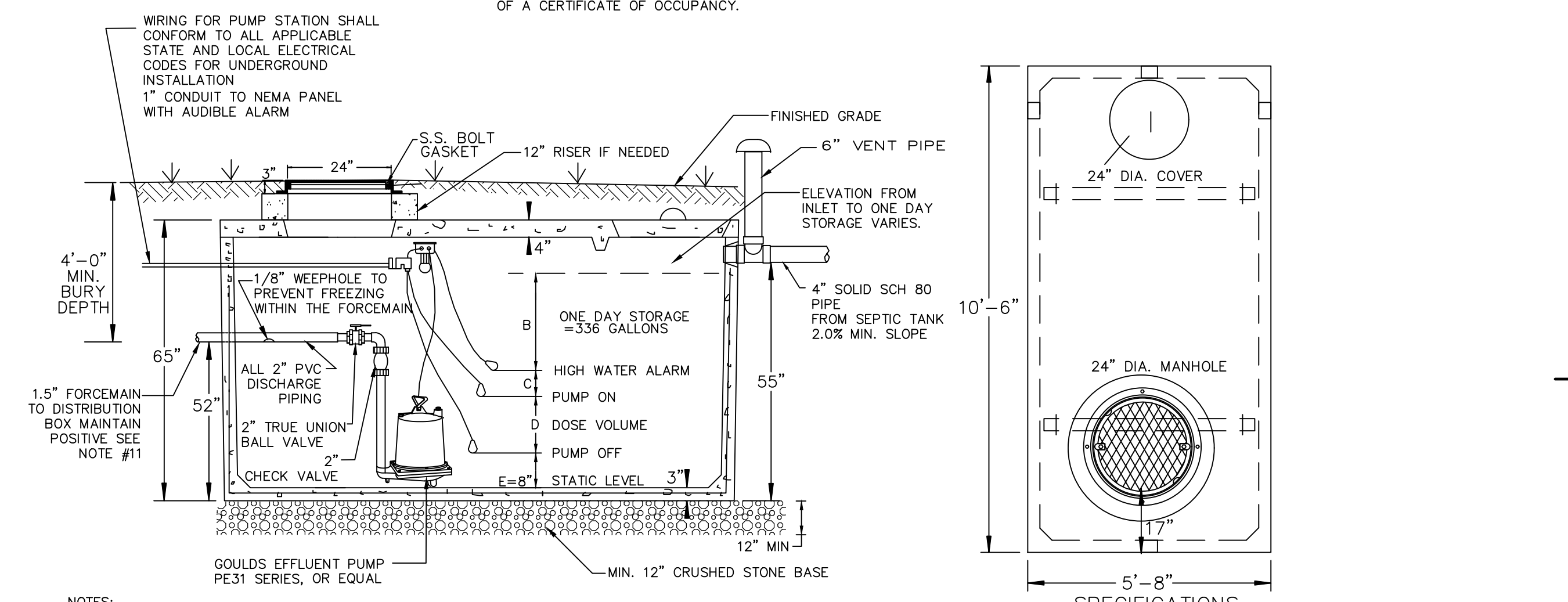
ASTM C33 SAND SPECIFICATION

| SIEVE SIZE | SIEVE OPENING SIZE (INCHES) | SIEVE SPECIFICATION | PERCENT PASSING (WET SIEVE) |
|------------|-----------------------------|---------------------|-----------------------------|
| 3/8 INCH | 9.5 mm | 100.0 - 100.0 | |
| #4 | 4.75 mm | 95.0 - 100.0 | |
| #8 | 2.36 mm | 80.0 - 100.0 | |
| #16 | 1.18 mm | 50.0 - 85.0 | |
| #30 | 600 μm | 25.0 - 60.0 | |
| #50 | 300 μm | 5.0 - 30.0 | |
| #100 | 150 μm | < 10.0 | |
| #200 | 75 μm | < 5.0 | |

TYPICAL ELJEN TRENCH CROSS SECTION
 NOT TO SCALE

GEOTEXTILE SAND FILTER NOTES

- THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.
- THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL.
- ORGANIC MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A FLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL PLACEMENT.
- SCARIFY ANY SMEARED SUBSOIL PRIOR TO FILL PLACEMENT.
- FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL, HUMUS, AND DREDGING DIRECTLY BENEATH THE GSF SYSTEM.
- ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE SHALL BE PLACED BELOW AND AROUND THE GSF MODULES. WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS, USE 6 INCHES MINIMUM UNDERNEATH THE MODULES WITH 6 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM AROUND THE PERIMETER OF THE MODULES.
- ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
 - SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TIGHT OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
 - PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
- BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2 INCHES IN ANY DIMENSION TO A MINIMUM DEPTH OF 8 INCHES OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4 INCHES TO 6 INCHES OF CLEAN LOAM.
- ANY SYSTEM WHICH IS MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.



- NOTES:**
- CONCRETE PRECAST PUMP CHAMBER BY WOODARD'S CONCRETE PRODUCTS, INC., BULLVILLE, N.Y. OR EQUAL.
 - PRECAST CHAMBER TO MEET H-20 LOADING SPECIFICATIONS.
 - CONTROL PANEL TO BE AUTOMATED CONTROL SYSTEMS SF11 NEMA 1 ENCLOSURE OR EQUAL.
 - ELECTRICAL EQUIPMENT IN WELLS OR IN ENCLOSED SPACES WHERE EXPLOSIVE GASES MAY ACCUMULATE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE FOR CLASS 1, DIVISION 1, GROUPS C AND D LOCATIONS. THERE SHALL BE NO ELECTRICAL SPLICES, JUNCTION BOXES OR CONNECTIONS OF ANY KIND IN SEWAGE WET WELLS OF ANY N.E.C. RATING.
 - ALL JOINTS SHALL BE CAULKED.
 - AN ASPHALTIC SEAL SHALL BE APPLIED BETWEEN CONTACT SURFACES OF BASE AND RISER SECTIONS, WHERE APPLICABLE.
 - THE REQUIRED DOSE VOLUME = SEE PUMP CHAMBER DESIGN CHART.
 - STEPS TO BE COPOLYMER POLYPROPYLENE PLASTIC WITH 1/2" GRADE 60 STEEL REINFORCEMENT.
 - ALL COVERS SHALL BE LOCKABLE AND WATERTIGHT.
 - ALL NEC REQUIREMENTS SHALL BE MET FOR THE PUMP STATION CONSTRUCTION.
 - THE FORCE MAIN MUST MAINTAIN A POSITIVE SLOPE BACK TO THE PUMP STATION TO ALLOW THE EFFLUENT TO DRAIN BACK INTO THE PUMP CHAMBER AFTER EACH PUMPING CYCLE.
- PRECAST PUMP CHAMBER TANK (1,500 GAL.)**
 NOT TO SCALE
- | PUMP DETAIL ITEM | DEPTH OF PUMP FLOAT (IN INCHES) |
|------------------|---------------------------------|
| ONE DAY STORAGE | B=30" MIN. |
| HIGH WATER ALARM | C=3" |
| PUMP ON | D=5" |
| PUMP OFF | E=8" |
| DOSE VOLUME | 153 GAL |



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 Goshen, N.Y. 10924
 (845) 294-3700

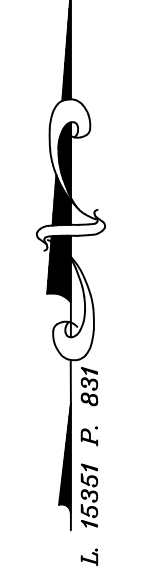
SEWAGE DISPOSAL SYSTEM PLAN AND
 DETAILS PREPARED FOR

NEWBURGH ELITE STORAGE

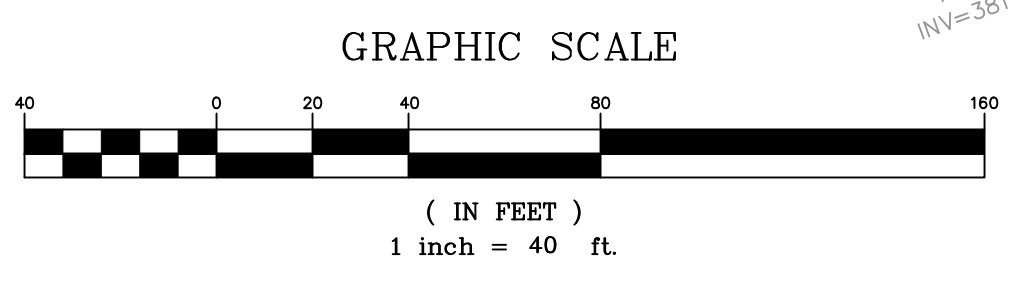
TOWN OF NEWBURGH
 ORANGE COUNTY, NEW YORK

Drawn By: JG | Checked By: | Scale: 1" = 20' | Tax Map No.: 34 - 2 - 34 | Drawing No.: A-24-0059-01

DATE: APRIL 24, 2024
 REVISION: OCTOBER 27, 2024
 NOVEMBER 15, 2024
 NOVEMBER 24, 2024
 JANUARY 14, 2025

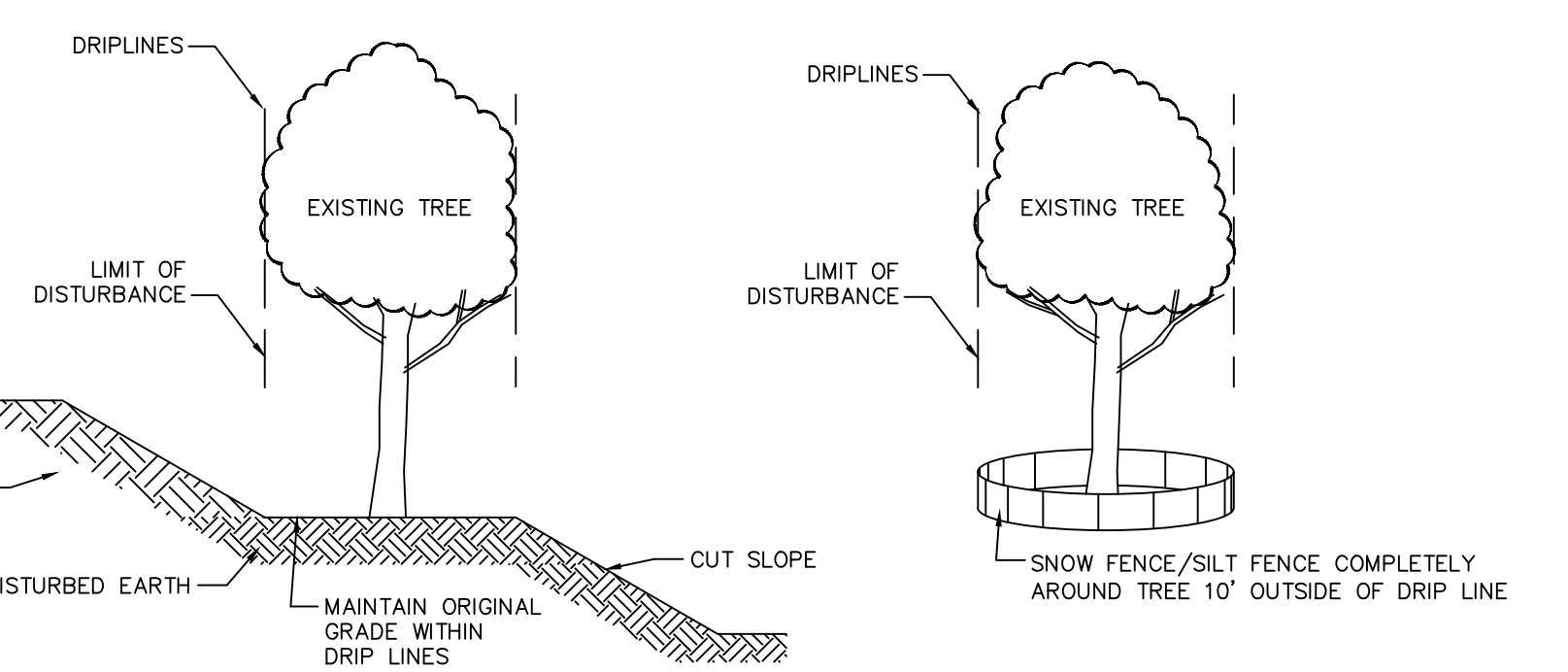


IRON ANVIL, LLC
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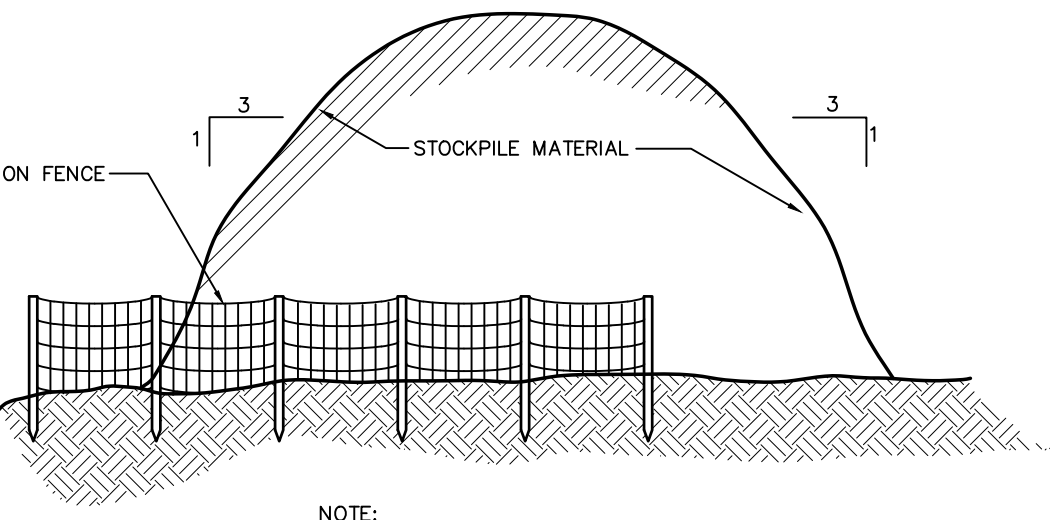


- NOTES:**
- FOR TREES ADJACENT TO CONSTRUCTION AREA INSTALL PROTECTIVE FENCING AROUND DRIPLINE OF TREES TO PROTECT SHALLOW ROOTS
 - WHERE TWO OR MORE TREES ARE ADJACENT TO EACH OTHER AND IN THE VICINITY OF THE LIMIT OF DISTURBANCE, THE FENCING SHALL BE PLACED 10 FEET FROM THE DRIPLINE OF THE GROUP OF TREES AND NEED NOT BE PLACED AROUND EACH INDIVIDUAL TREE.
 - TREES MARKED WITH AN ASTERISK ON THE TREE LIST TABLE ARE TO BE REMOVED AND DO NOT REQUIRE TREE PROTECTION

EXISTING TREE PROTECTION DETAIL
NOT TO SCALE

SOIL RESTORATION REQUIREMENTS

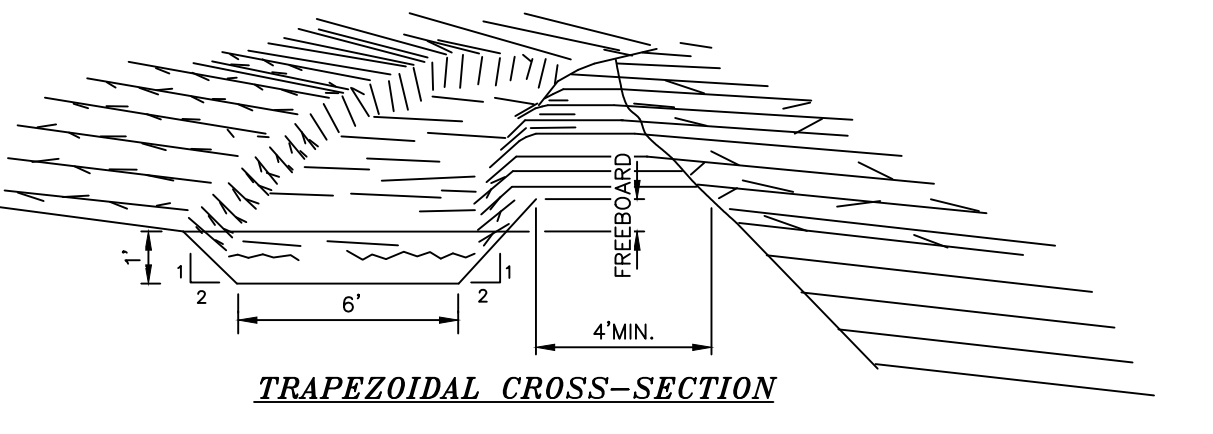
- ALL DISTURBED AREAS WHERE ONLY TOPSOIL STRIPPING HAS OCCURRED REQUIRE AERATION OF THE SUBGRADE BEFORE SPREADING TOPSOIL.
- ALL DISTURBED AREAS WHERE CUT AND FILL OPERATIONS OCCURRED REQUIRE FULL SOIL RESTORATION AS SPECIFIED IN NYSDEC MANUAL PUBLICATION ENTITLED "DEEP RIPPING AND DE-COMPACTION".



TYPICAL STOCKPILE DETAIL
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES AND SPECIFICATIONS

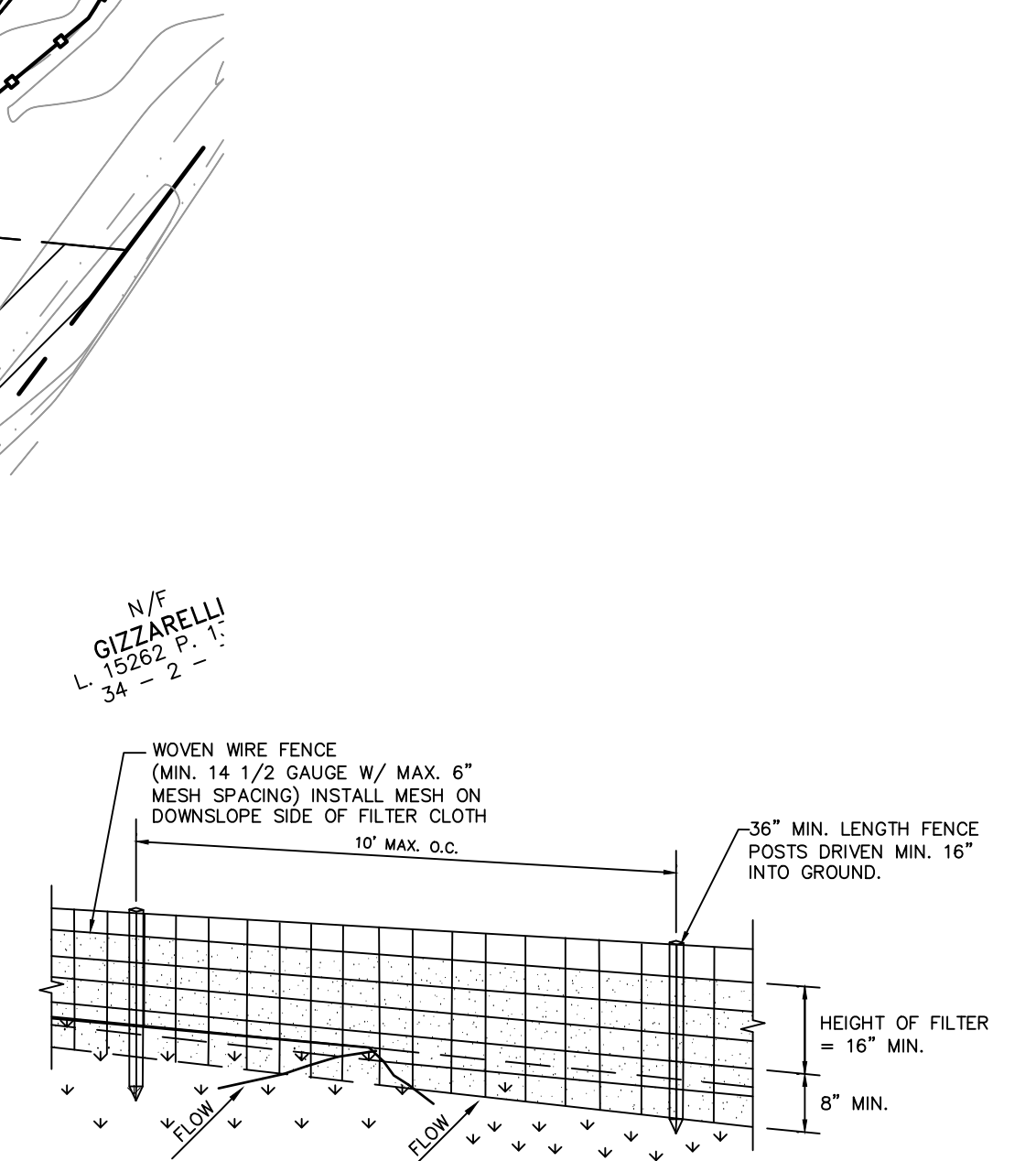
- ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
- ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
- TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE CREATED UTILIZING EARTHEN BERMS, ROP-RAP OR CRUSHED STONE DAMS, HAY BALS, OR OTHER SUITABLE MATERIALS. DIVERSION SWALES, BERMS, OR OTHER CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO THE ENTRAPMENT AREAS WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEARED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOIL, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
- STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.
- SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNDISTURBED FOR A PERIOD OF 14 DAYS OR MORE WITH TEMPORARY RYEGRASS COVER, AS FOLLOWS (METHOD OF SEEDING IS OPTIONAL):
 - LOOSEN SEEDBED BY DISCING TO A 4" DEPTH.
 - SEED WITH - SUMMER - PERENNIAL OR ANNUAL RYEGRASS AT 30 LBS PER ACRE
- FALL/WINTER - PERENNIAL OR ANNUAL RYEGRASS AT 100 LBS PER ACRE
 - MULCH WITH 2 TONS PER ACRE OF BLOWN AND CHOPPED HAY.
 - WHERE NOTED ON THE PLAN, AND ON SLOPES GREATER THAN OR EQUAL TO 3:1, PROVIDE SOIL STABILIZATION MATTING.
- AFTER COMPLETION OF SITE CONSTRUCTION, FINE GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED WITH PERMANENT LAWN MIX AS SPECIFIED ON LANDSCAPE PLAN:
 - LIME TOPSOIL TO pH 6.0.
 - FERTILIZE WITH 600 LBS PER ACRE OF 5-10-10.
 - SEED REQUIREMENTS - SEE LANDSCAPING PLAN.
 - MULCH AS DESCRIBED FOR TEMPORARY SEEDING (NOTE 16 ABOVE).
- DURING THE PROGRESS OF CONSTRUCTION, AND ESPECIALLY AFTER RAIN EVENTS, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED WITH SEDIMENT. RE-STABILIZE ANY AREAS THAT MAY HAVE ERODED.
- MAINTAIN ALL SEEDED AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
- MAINTAIN COPIES OF THE FOLLOWING APPLICABLE ITEMS FOR THE PROJECT: CONSTRUCTION LOGBOOK, STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTICE OF INTENT (NOI), PERMITS, AND SITE PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL DISTURBED AREAS WHERE ONLY TOPSOIL STRIPPING HAS OCCURRED REQUIRE AERATION OF THE SUBGRADE BEFORE SPREADING TOPSOIL.
- ALL DISTURBED AREAS WHERE CUT AND FILL OPERATIONS HAVE OCCURRED REQUIRE FULL SOIL RESTORATION AS SPECIFIED IN NYSDEC MANUAL PUBLICATION ENTITLED "DEEP RIPPING AND DE-COMPACTION".
- AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, PLANTED, OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.



CONSTRUCTION SPECIFICATIONS

- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
- THE DIVERSION 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 IMPERE NORMAL FLOW.
- FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE DIVERSION.
- ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE STOCKPILED FOR RESTORATION OF THE AREA SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
- STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
 - FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT. PER SEC., THE DIVERSION SHALL BE SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.

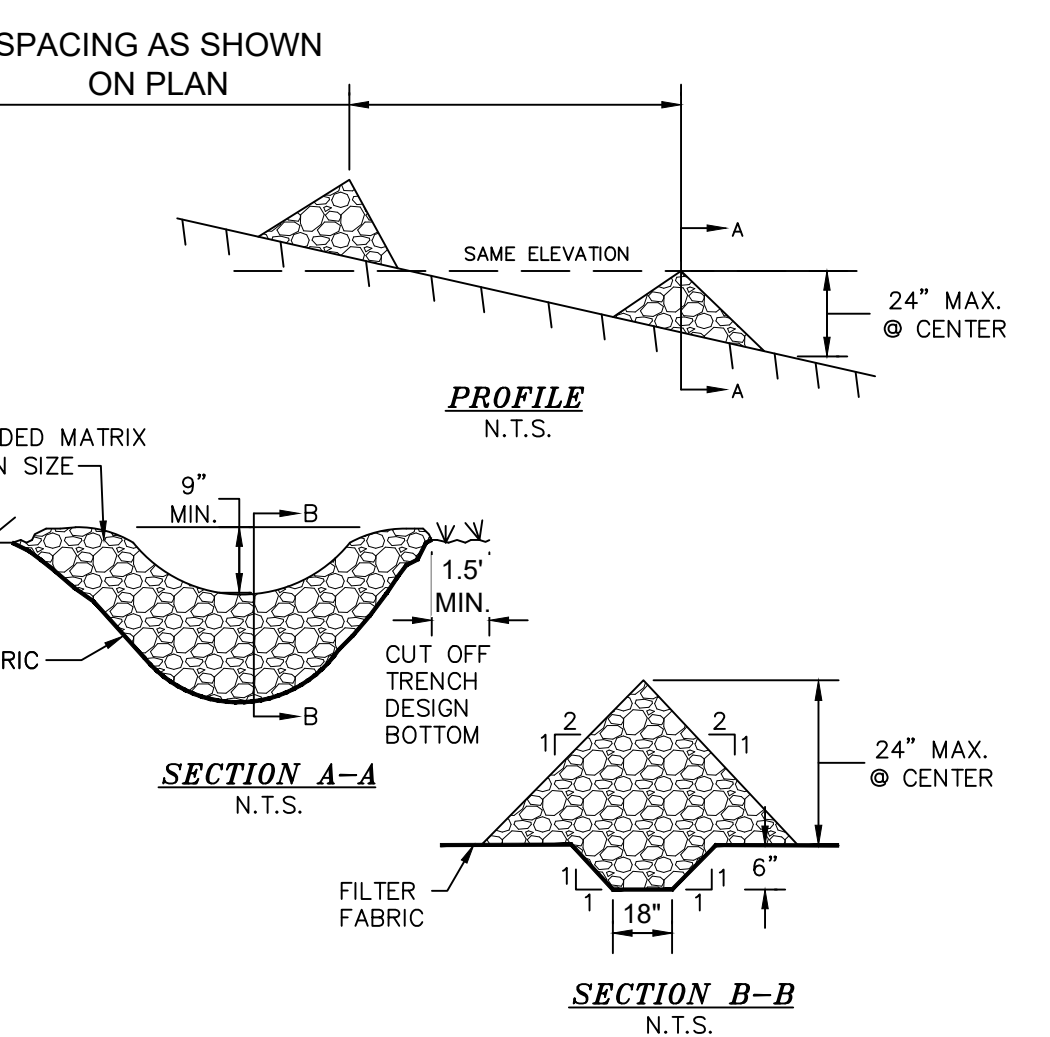
TEMPORARY DIVERSION SWALE
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 1 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFL 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILTATION FENCE
NOT TO SCALE

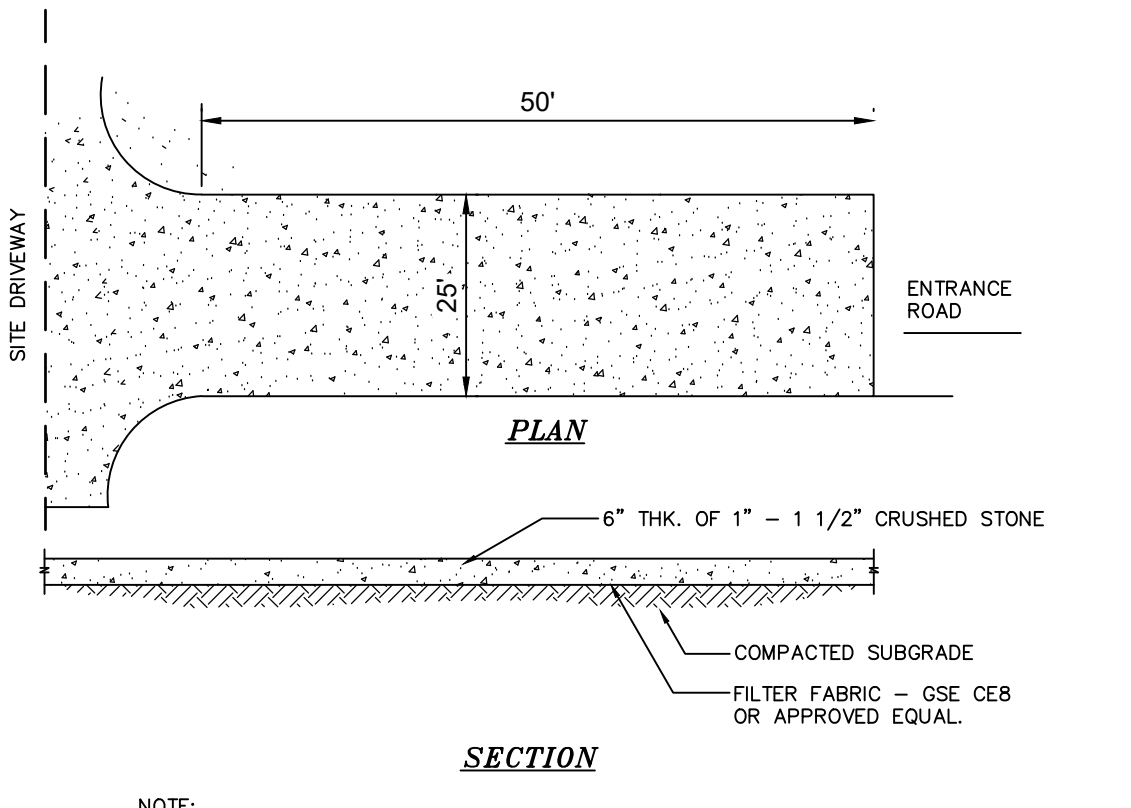


CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT THE CHANNEL APERTURES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

CHECK DAM DETAIL
NOT TO SCALE

FOR CONSTRUCTION SPECIFICATIONS REFER TO "NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"



STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 1" - 1 1/2" CRUSHED STONE. WILL BE AT LEAST 24" X 50' AND SHOULD BE PLACED ON COMPACTED SUB-GRADE AND SHALL BE MAINTAINED.

ALL DRIVEWAYS MUST BE STABILIZED WITH 1" - 1 1/2" CRUSHED STONE OR SUB-BASE PRIOR TO INDIVIDUAL HOME CONSTRUCTION.

PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSHED STONE OR HAYBALE FILTER (FILTER DETAILS APPEAR ON PLAN).

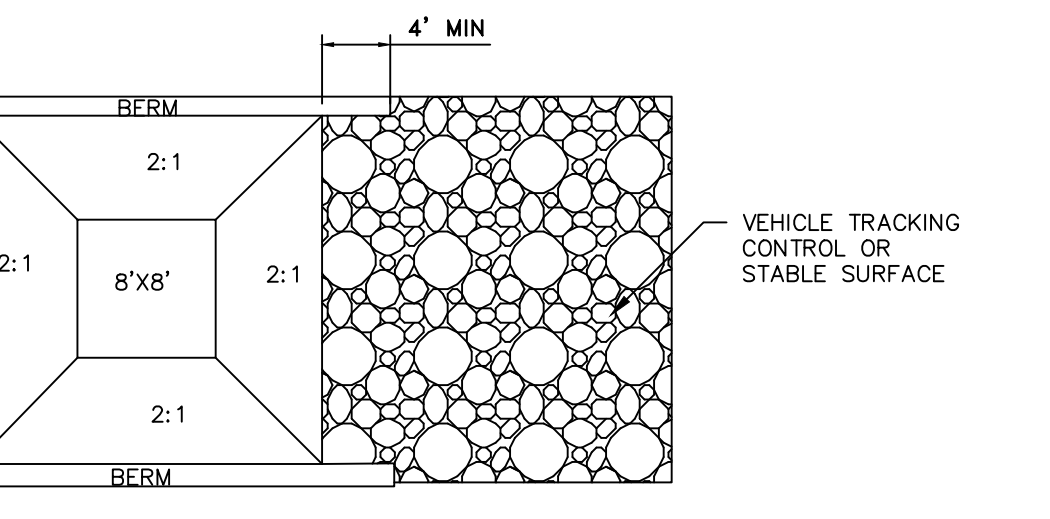
ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE DETAILED ON THE PLAN.

CONSTRUCTION SPECIFICATIONS:

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
- THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
- 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.
- THE STONE USED TO HOLD AND COVER THE FILTER FABRIC SHALL BE LOOSELY PLACED, 2" MIN. DIAM. ROUND STONE.

STORM DRAIN INLET FILTER DETAIL
NOT TO SCALE

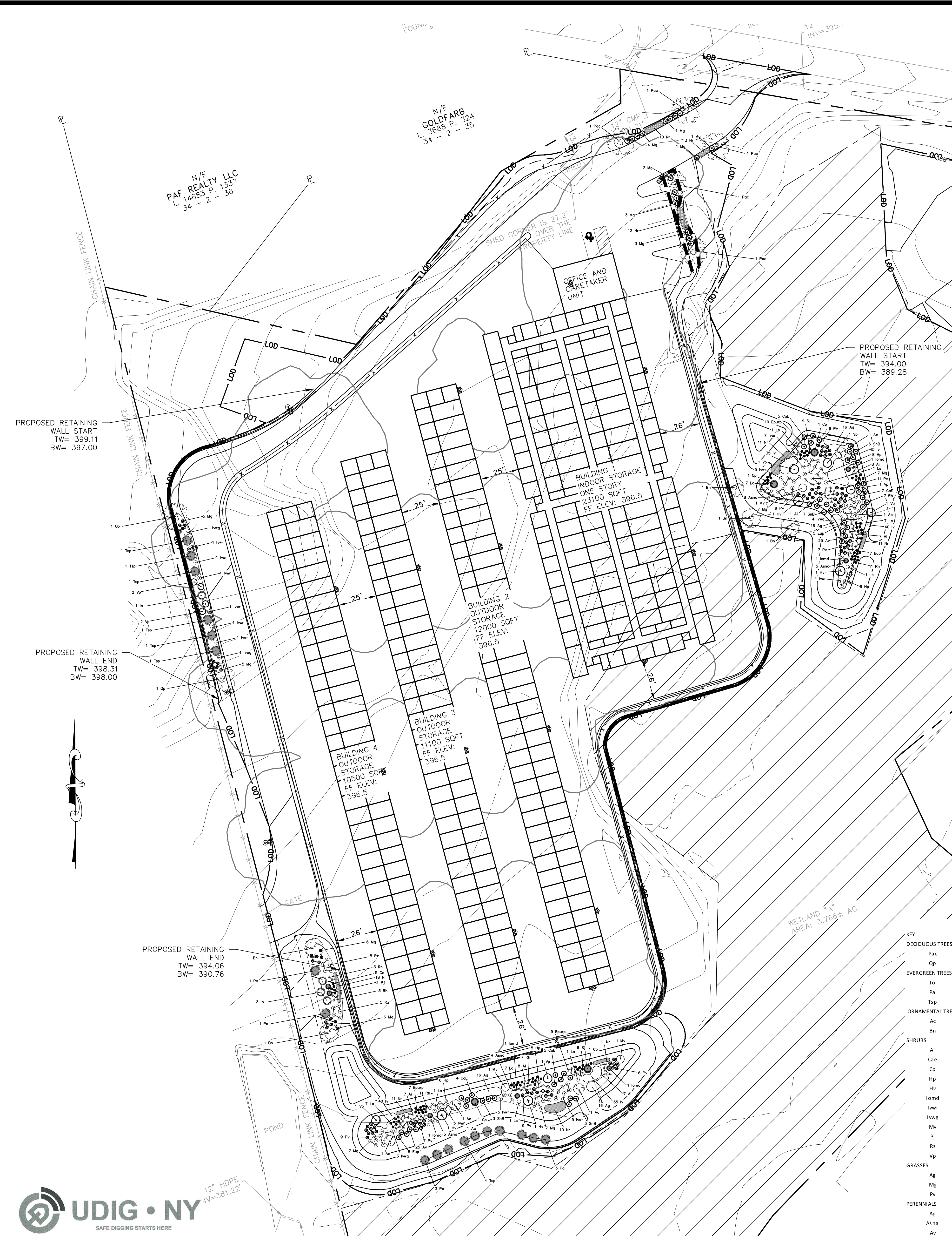


- NOTES:**
- THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 - THE CONCRETE WASHOUT AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8'X8' SLOPES LEADING OUT IF THE SUBSURFACE PIT SHALL BE 2:1 OR FLATTER. THE PIT SHALL BE AT LEAST 2' DEEP.
 - BERM SURROUNDING SIDES AND BACK OF THE CONCRETE WASHOUT AREA SHALL HAVE MINIMUM OF 1'.
 - VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASHOUT AREA.
 - USE EXCAVATED MATERIAL FOR PERIMETER CONSTRUCTION.

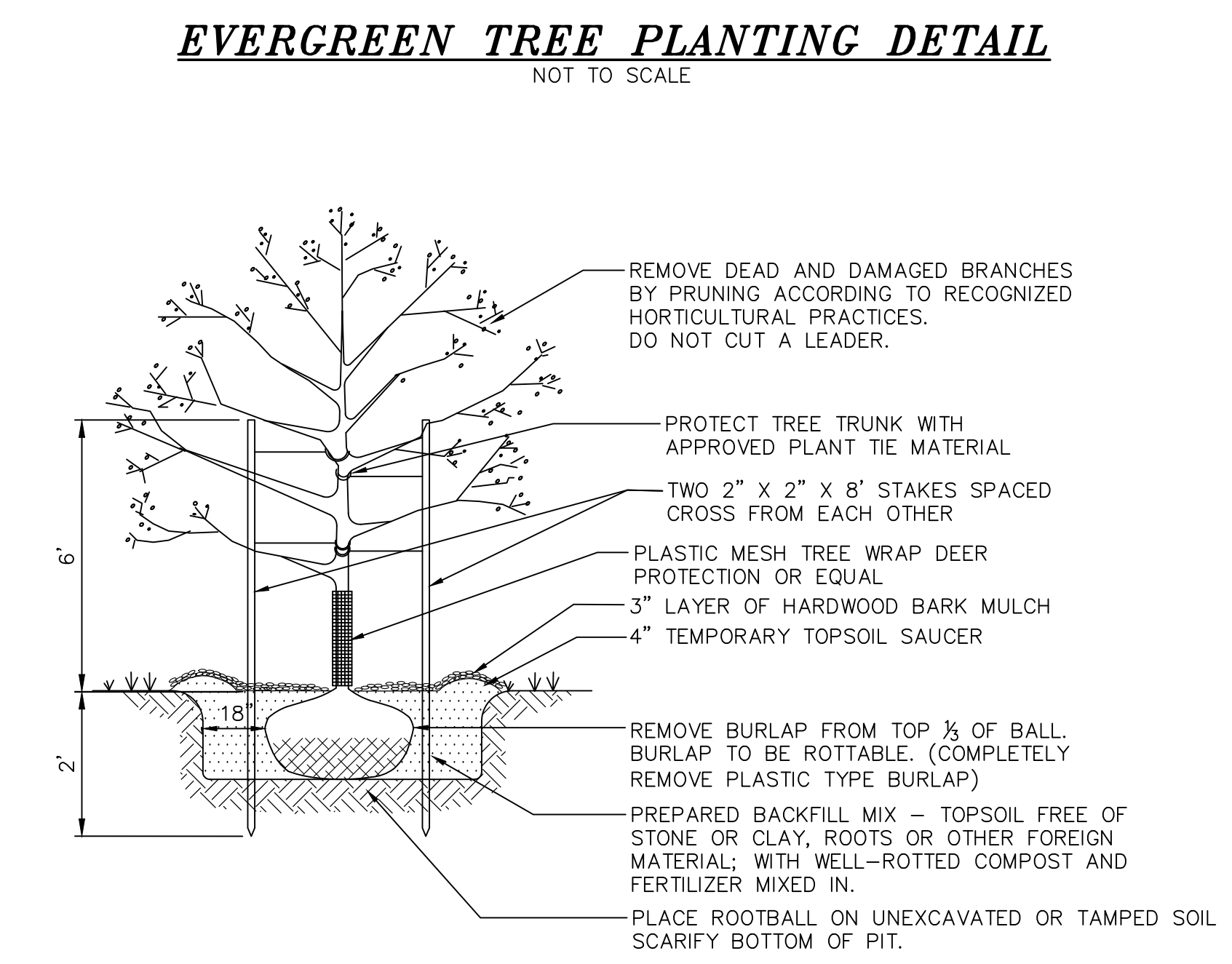
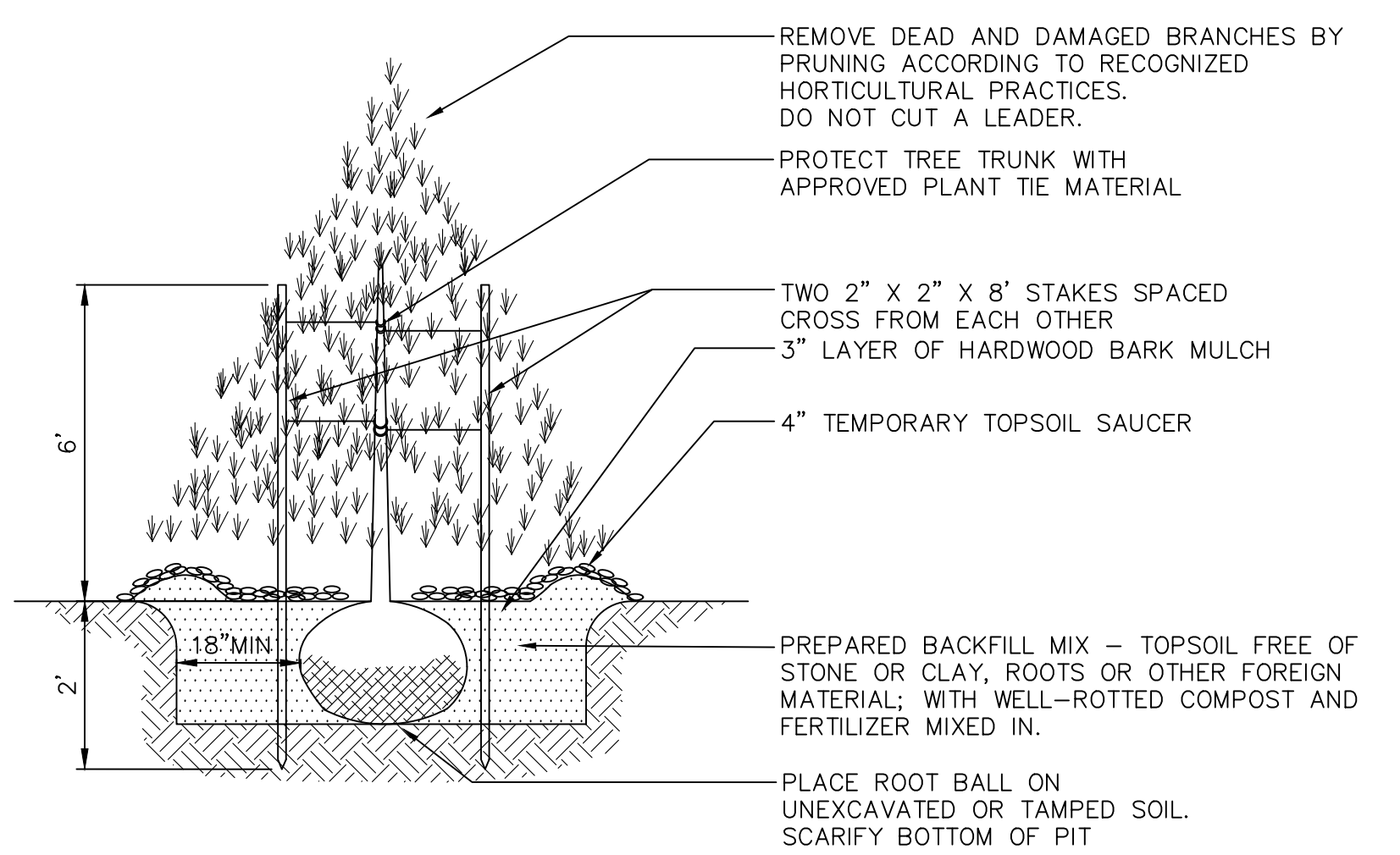
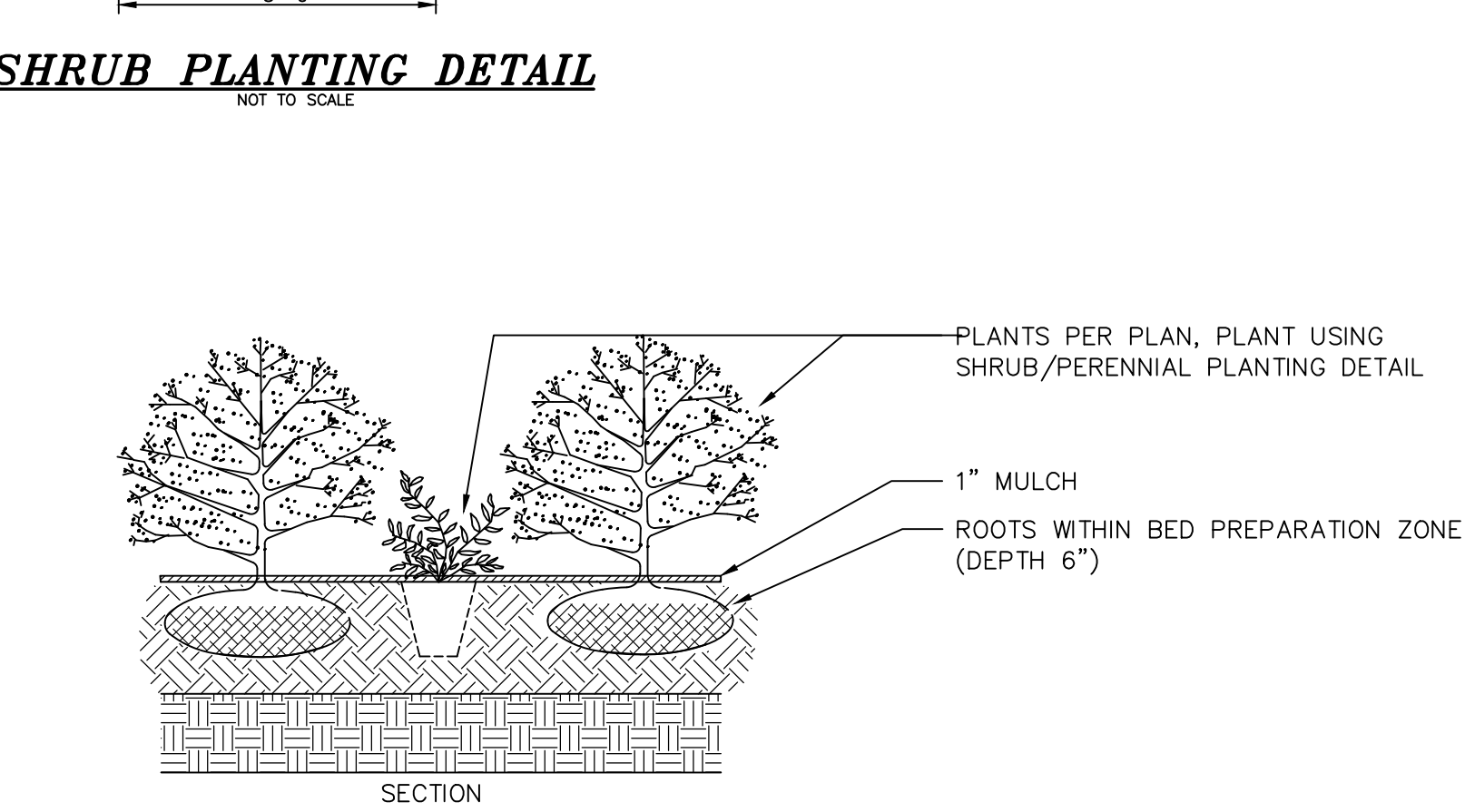
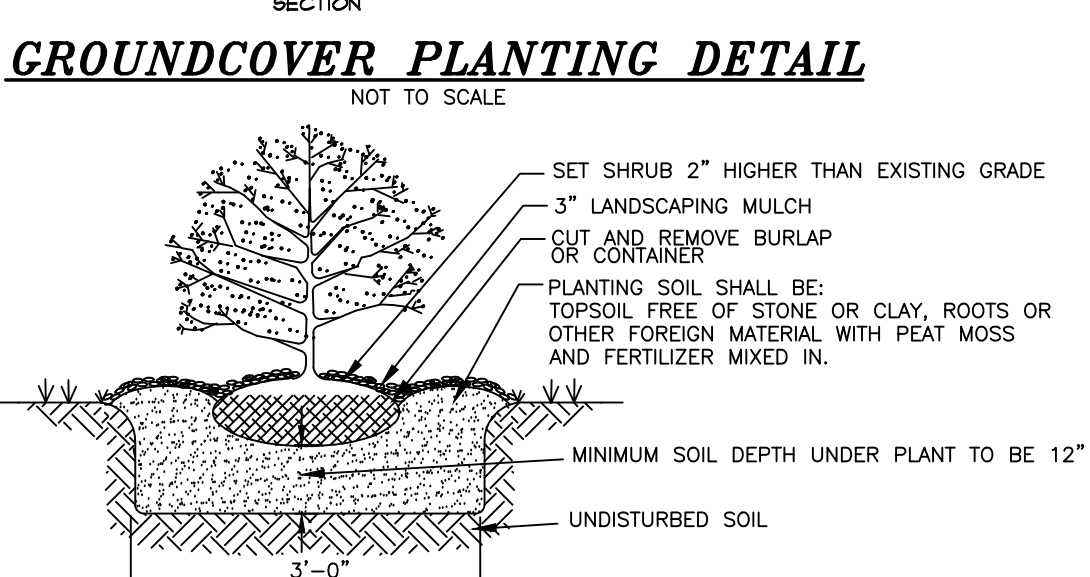
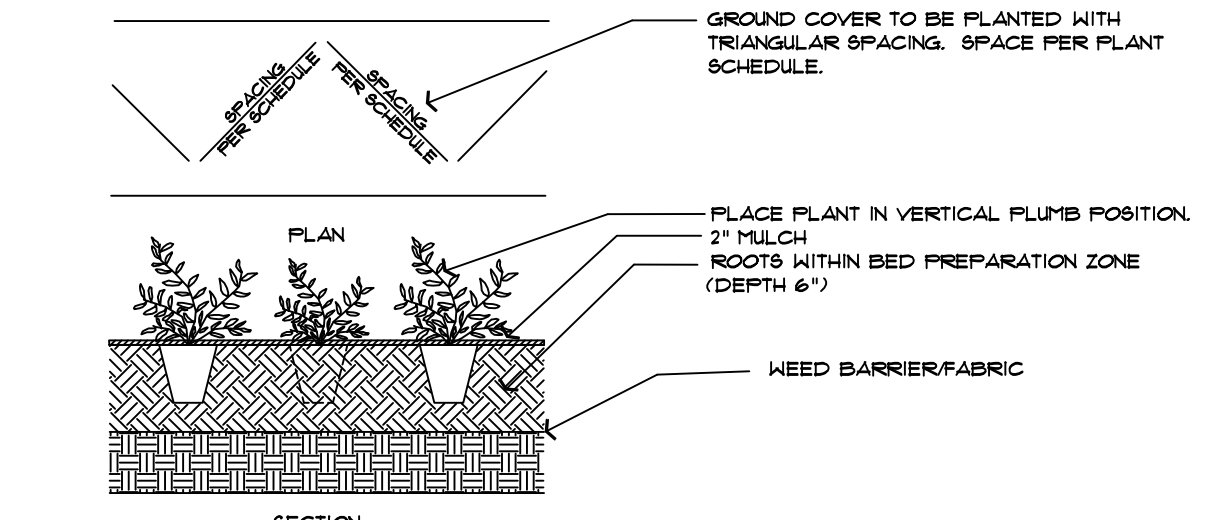
CONCRETE WASHOUT AREA DETAIL
NOT TO SCALE

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| | | |
|---|---|--|
| TOWN OF NEWBURGH SITE PLAN APPROVAL | LANC & TULLY Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 |
| DATE: APRIL 24, 2024 | DESIGNATION: EROSION AND SEDIMENT CONTROL PLAN PREPARED FOR | DATE: APRIL 24, 2024 |
| | | REVISION: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 |
| NEWBURGH ELITE STORAGE | | |
| TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | | |
| Drawn By: JG | Checked By: | Scale: 1" = 40' |
| Tax Map No: 34 - 2 - 34 | Drawing No: C30 | A-24-009-01 |



- NOTES:
- ALL DISTURBED AREAS TO BE TOPSOILED TO A DEPTH OF 6" AND SEEDED.
 - ALL PLANTS SHALL CONFORM TO GUIDELINES AS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERMEN'S STANDARD FOR NURSERY STOCK.
 - ALL PLANTS SHALL BE WARRANTED FOR A PERIOD OF TWO YEARS. REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE MISSING, MORE THAN 25% DEAD, WHICH DO NOT DEVELOP FROM PLANTING STOCK, THAT APPEAR UNHEALTHY OR UNSIGHTLY AND/OR HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES. ANY TREE THAT LOSES THE MAIN LEADER SHALL BE REPLACED. PLANT MATERIAL SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECTURAL CONSULTANT FOR THE TOWN OF NEWBURGH UPON COMPLETION OF WORK AND DURING EVERY GROWING SEASON FOR TWO YEARS. PLANTS THAT NEED REPLACEMENT SHALL BE NOTED ON AN INSPECTION REPORT AND MUST BE REPLACED WITHIN TWO MONTHS OF RECEIPT OF THE INSPECTION REPORT OR WITHIN TWO MONTHS FROM THE NEXT FOLLOWING GROWING SEASON.
 - A MINIMUM OF 24" OF SOIL SHALL BE PLACED IN THE PLANTING AREA BETWEEN THE BUILDINGS AND THE PARKING AREA AND IN THE PARKING ISLAND. MIX 6" OF TOPSOIL INTO THIS 24" OF SOIL AND ADD AN ADDITIONAL 6" OF TOPSOIL ON TOP.
 - UNDER THE CANOPY OVERHANG, IN AREAS WHERE THERE IS NO SIDEWALK PROVIDE GRAVEL SUCH AS RIVER JAX OR TIMBER LITE STONE OVER LANDSCAPE FABRIC.



SOIL NOTES:

- THERE MUST BE A MINIMUM OF 6" TOPSOIL COMPOST MIX IN LAWN AREAS AND A MINIMUM OF 24" IN AREAS WITH SHRUBS, TREES AND GROUNDCOVERS. SCARIFY OR DIG ALL PROPOSED PLANTING AREAS TO A DEPTH OF 12"-24" OR AS DETERMINED BY LANDSCAPE ARCHITECT.
- TOPSOIL-COMPOST MIX SHALL CONSIST OF 80%-90% STOCKPILED TOPSOIL (IF AVAILABLE) AND 10%-15% WELL-ROTTED COMPOST.
- TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE SOIL, CHARACTERISTIC OF PRODUCTIVE SOIL IN THE VICINITY, REASONABLY FREE FROM STONES, CLAY LUMPS, ROOTS AND OTHER FOREIGN MATTER, WITH AN ACIDITY LEVEL BETWEEN 5.5 AND 7.5 pH.
- IF STOCKPILED TOPSOIL IS NOT AVAILABLE, USE PURCHASED TOPSOIL IN SUFFICIENT QUANTITY TO COMPLETE THE REQUIREMENTS AS SPECIFIED.
- SITE SOIL SHALL MEET THE FOLLOWING PARTICLE SIZE DISTRIBUTIONS: LESS THAN OR EQUAL TO 15% OF GRAVEL (PARTICLE SIZE GREATER THAN 2.00mm), 40%-60% OF SAND (0.05-2mm), 30%-40% OF SILT (0.002-0.05mm), AND 10%-20% CLAY (<0.002mm) AND 10%-15% WELL-ROTTED COMPOST WITH AN ACIDITY LEVEL BETWEEN 5.5 AND 7.0 pH. PERCENTAGES ARE BY WEIGHT.
- TOPSOIL AND PURCHASED SOIL SHALL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT.

GENERAL LANDSCAPING NOTES:

- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE TO LOCATE AND VERIFY LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION OR INSTALLATION.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE STANDARDS OF AMERICAN STANDARD FOR NURSERY STOCK, THE AMERICAN ASSOCIATION OF NURSERMEN, LATEST EDITION.
- ALL PLANTS AND WORKMANSHIP SHALL BE UNCONDITIONALLY GUARANTEED FOR 2 CALENDAR YEARS. CONTRACTOR SHALL REMOVE STAKING AND GUYING AT END OF GUARANTEE PERIOD.
- ALL LANDSCAPE INSTALLATIONS SHALL BE MAINTAINED ON A REGULAR BASIS, AND SHALL NOT BE ALLOWED TO TAKE ON AN UNSIGHTLY APPEARANCE (EXCEPT FOR NATURAL AREAS WHICH SHALL BE ALLOWED TO GROW NATURALLY WITH A MINIMUM OF MAINTENANCE).
- CONTRACTOR SHALL FIELD STAKE THE LOCATIONS OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE.
- ALL LANDSCAPING PLANT MATERIALS - TREES, SHRUBS, GROUNDCOVERS AND PERENNIALS SHALL BE PLANTED AS SHOWN IN DETAILS. BACKFILL MIX FOR PLANTING BEDS SHALL BE A MIX OF TOPSOIL, WELL-ROTTED COMPOST AND FERTILIZER. PROVIDE PLANTING PITS AS INDICATED ON PLANTING DETAILS. IF WET SOIL CONDITIONS EXIST THEN PLANTING PITS SHALL BE EXCAVATED AN ADDITIONAL 12" AND FILLED WITH CRUSHED STONE.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THAT WHICH EXISTED IN THE NURSERY.
- ALL PLANTS SHALL BE ORIENTED AT THEIR PROPOSED LOCATION TO PRESENT THEIR BEST SIDE.
- NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF INSTALLATION. REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT, GROWTH AND SURVIVAL ALL PLANTS.
- ALL LAWN/GRASSSED AREAS ARE TO BE TOPSOILED TO A DEPTH OF 6" AND SEEDED AS PER THE PERMANENT SEEDING RATE, A MINIMUM OF 24" OF TOPSOIL SHALL BE PROVIDED IN ALL PLANTING AREAS.
- MULCH ALL PLANTING BEDS AND TREES WITH A 3 INCH MINIMUM DEPTH OF HARDWOOD BARK MULCH. NO MULCH SHALL BE PLACED AGAINST THE ROOT COLLAR OF THE PLANTINGS. ALL TREES PLANTED IN LAWN AREAS SHALL RECEIVE A 3" DIAMETER MULCH RING OR TO THE LIMIT OF THE ADJACENT LAWN AREA.

LANDSCAPING SEEDING SCHEDULE

TEMPORARY SEEDING DISTURBED AREAS

| SEASON | TYPE OF COVER & SPECIES OF MIXTURES | SEEDING RATES IN LBS. 1,000 SF | LBS. PER ACRE |
|--------------------------|-------------------------------------|--------------------------------|---------------|
| SPRING/SUMMER/EARLY FALL | ANNUAL RYEGRASS | 0.7 | 30 |
| LATE FALL/EARLY WINTER | AROGOSTOCH WINTER RYE | 2.5 | 100 |

PERMANENT LAWN SEEDING RATES

PERMANENT LAWN SEEDING SHALL CONSIST OF 30% CREEPING RED FESCUE, 50% KENTUCKY BLUE GRASS, 10% ANNUAL RYEGRASS, AND 10% PERENNIAL RYEGRASS - ERNST 5311 CONSERVATION MIX (ERNST-114) OR APPROVED EQUAL - AT A RATE OF 200 POUNDS PER ACRE OR 5 POUNDS PER 1,000 SQ. FT.

- TOPSOIL SURFACE SHALL BE FINELY GRADED AND LOOSENED BY MECHANICAL RAKES TO ENSURE SEED ACCEPTANCE AND SEED TO SOIL CONTACT.
- SEEDING AREA TO BE PREPARED WITH THE APPLICATION OF LIMESTONE AT THE RATE OF 800 LBS. PER 1,000 SQ. YD. AND FERTILIZED WITH 10-20-20 AT THE RATE OF 140 LBS. PER 1,000 SQ. YD. AFTER SEEDING. HAY MULCH IS TO BE APPLIED AT A RATE OF 2 1/2 TO 3 TONS PER ACRE.

PERIMETER SEEDING

- NORTHEASTERN U.S. ROADSIDE NATIVE MIX (ERNST 153-1) OR APPROVED EQUAL) SHALL BE BROADCAST OVER DISTURBED AREAS AND OTHER AREAS AS NOTED AT A RATE OF 20 POUNDS PER ACRE OR 1/2 POUND PER 1,000 SQ. FT. THIS SHALL BE APPLIED TO THE SOUTHERN PERIPHERY OF THE SITE BEHIND THE RETAINING WALL.

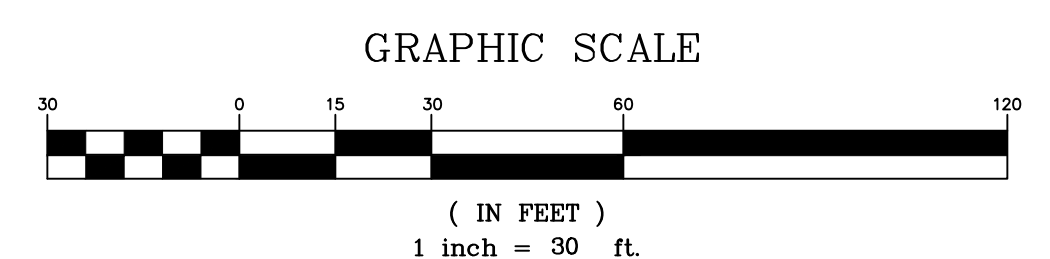
PLANTING SCHEDULE

| TREES AND SHRUBS: | SPRING PLANTING | FALL PLANTING |
|-------------------|-------------------|-------------------|
| EVERGREEN | APRIL 1 - JUNE 30 | SEPT. 1 - OCT. 15 |
| DECIDUOUS | MARCH 1 - JUNE 30 | OCT. 1 - DEC. 1 |

| SEEDING: | SPRING PLANTING | FALL PLANTING |
|----------|------------------|-------------------|
| | APRIL 1 - MAY 31 | SEPT. 1 - OCT. 15 |

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| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE, NOTES |
|------------------|-----|-----------------------------------|---------------------------------|-------------|
| DECIDUOUS TREES | | | | |
| Pac | 5 | PLATANUS X ACERIFOLIA | LONDON PLANE TREE | 7'-8" HGT |
| Qp | 2 | QUERCUS PALUSTRIS | SWAMP WHITE OAK | 7'-8" HGT |
| EVERGREEN TREES | | | | |
| Io | 4 | ILEX OPACA | AMERICAN HOLLY | 6'-7" HGT |
| Pa | 8 | PICEA ABIES | NORWAY SPRUCE | 6'-7" HGT |
| Tsp | 10 | THUJA STANDISHII x PLICATA | GREEN GIANT ARBORVITAE | 6'-7" HGT |
| ORNAMENTAL TREES | | | | |
| Ac | 5 | AMELANCHIER CANADENSIS | SHADBLOW SERVICEBERRY | 6'-7" HGT |
| Bn | 5 | BETULA NIGRA | RIVER BIRCH | 6'-7" HGT |
| SHRUBS | | | | |
| Al | 48 | AESCLEPIAS INORANTA | MILKWEED | 24"-30" HGT |
| Cae | 21 | CORNUS ALBA 'ELEGANTISSIMA' | VARIEGATED REDTWIG DOGWOOD | 30"-36" HGT |
| Cp | 4 | CHAMAECYPARIS PISIFERA 'GOLD MOP' | GOLD MOP CYPRESS | 10"-18" HGT |
| Hp | 25 | HYDRANGEA PANICULATA | PANICLE HYDRANGEA | 24"-30" HGT |
| Hv | 4 | HAMAMELIS VIRGINIANA | WITCH HAZEL | 30"-36" HGT |
| lcmd | 4 | ILEX OPACA 'MARYLAND DWARF' | AMERICAN HOLLY 'MARYLAND DWARF' | 30"-36" HGT |
| lwmr | 16 | ILEX VERTICILLATA 'WINTER RED' | WINTERBERRY HOLLY WINTER RED | 30"-36" HGT |
| lwgg | 9 | ILEX VERTICILLATA 'WINTER GOLD' | WINTERBERRY HOLLY WINTER GOLD | 30"-36" HGT |
| Mv | 3 | MAGNOLIA VIRGINIANA | SWEET BAY MAGNOLIA | 30"-36" HGT |
| Pi | 2 | PIEIS JAPONICA | ANDROMEDA | 30"-36" HGT |
| Rz | 10 | ROSA ZLAMANTINCAPAR | CANDY OH! WILD ROSE | 30"-36" HGT |
| Vp | 10 | VIBURNUM PLICATUM TOMENTOSUM | DOUBLELEAF VIBURNUM | 30"-36" HGT |
| GRASSES | | | | |
| Ag | 64 | ANDROPOGON GERARDI | BIG BLUE STEM | 24"-30" HGT |
| Mg | 68 | MISCANTHUS SINENSIS GRACILLIMUS | MAIDENHAIR GRASS | 24"-30" HGT |
| Pv | 67 | PANICUM VIRGATUM | SWITCHGRASS | 24"-30" HGT |
| PERENNIALS | | | | |
| Ag | 64 | ANDROPOGON GERARDI | BIG BLUE STEM | 24"-30" HGT |
| Asna | 22 | ASTER NOVAE-ANGIAE | NEW ENGLAND ASTER | 12"-18" HGT |
| Av | 50 | ANDROPOGON VIRGINICUS | BROOMSEDGE BLUESTEM | 12"-18" HGT |
| Cs | 5 | CLETHRA ALFONFIA | SWEET PEPERBUSH | 24" HGT |
| Eupp | 26 | ECHINACEA PURPUREA | PURPLE CONEFLOWER | 10"-18" HGT |
| Eupr | 17 | EUTROCHIUM PURPUREUM | JOE PYE WEED | 10"-18" HGT |
| Iv | 195 | IRIS VERSICOLOR | BLUE FLAG IRIS | 10"-18" HGT |
| Lc | 28 | LOBELIA CARDINALIS | CARDINAL FLOWER | 10"-18" HGT |
| Nr | 107 | NEPATA RACEMOSA | WALKERS LOW CATMINT | 24"-30" HGT |
| Rh | 42 | RUDEBECKIA HIRTA | BLACK-EYED SUSAN | 10"-18" HGT |
| Sj | 15 | SPIREA JAPONICA 'ANTHONY WATERER' | ANTHONY WATERER SPIREA | 10"-18" HGT |



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P.O. Box 687, Rt. 207
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(845) 294-3700

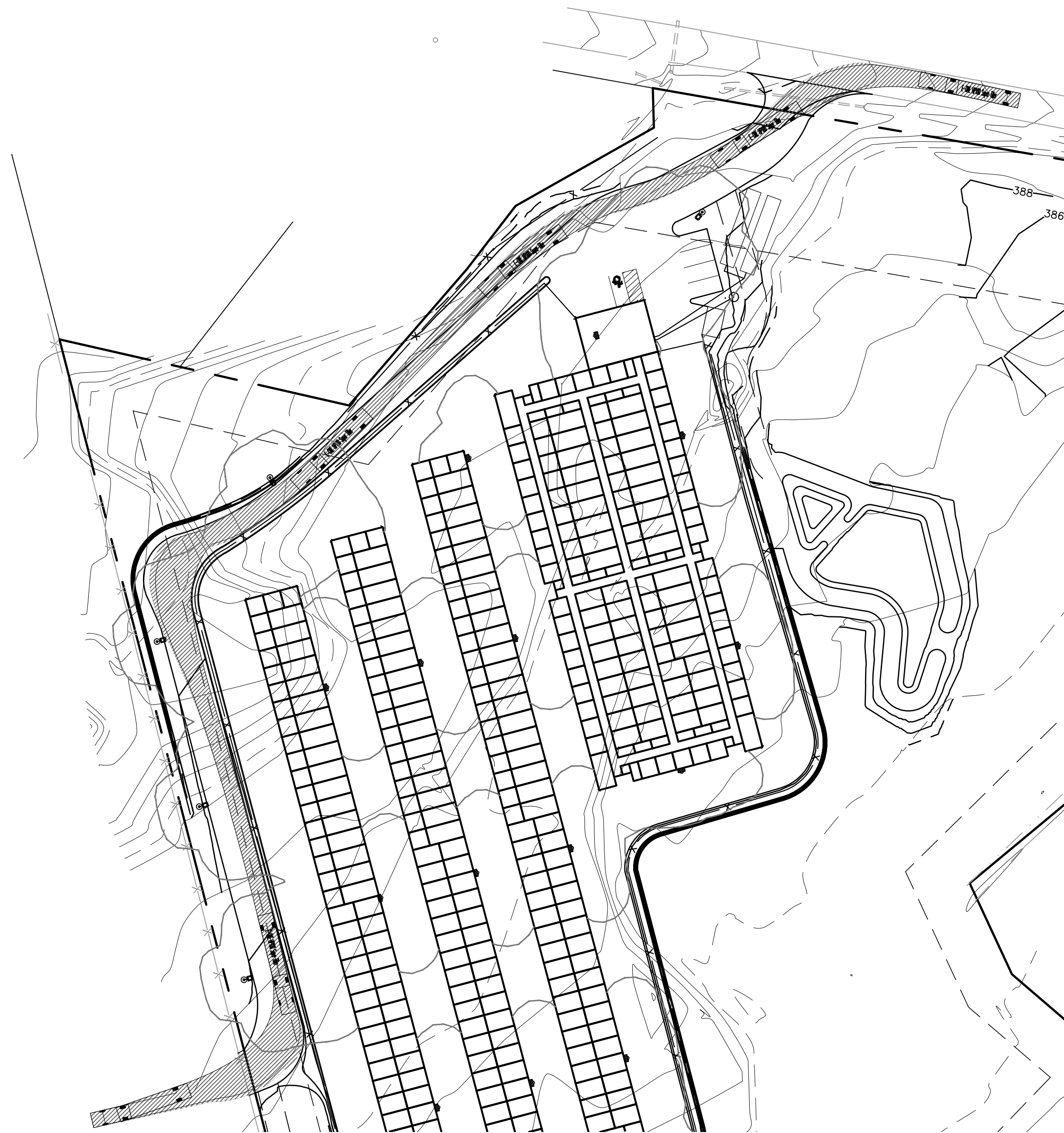
Date: APRIL 24, 2024
Revision:
OCTOBER 27, 2024
NOVEMBER 15, 2024
NOVEMBER 24, 2024
JANUARY 14, 2025

LANDSCAPING PLAN AND DETAILS
PREPARED FOR

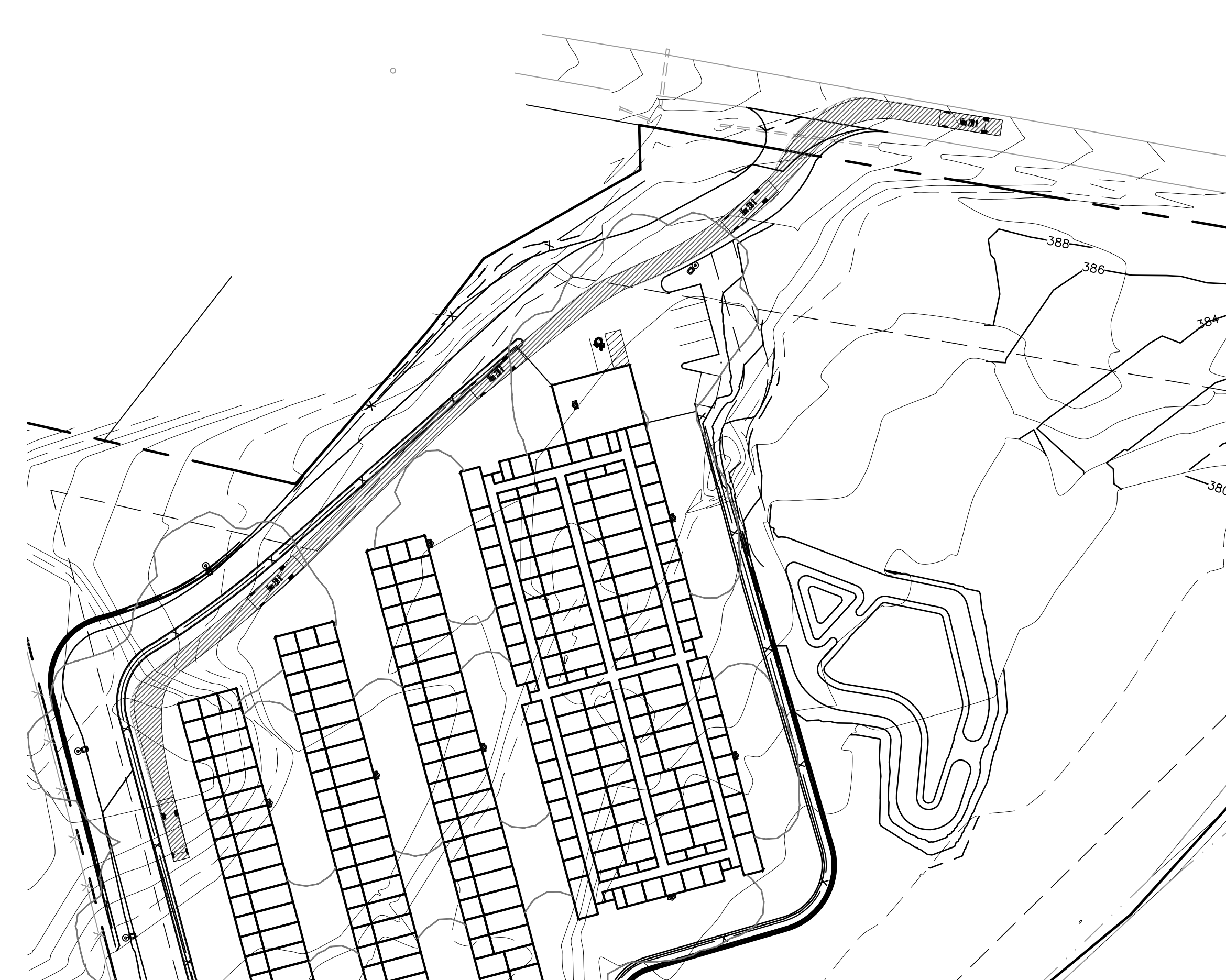
NEWBURGH ELITE STORAGE

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

| | | | | | |
|--------------|-------------|-----------------|--------------------------|--------------------|------------------|
| Drawn By: 30 | Checked By: | Scale: 1" = 30' | Tax Map No.: 34 - 2 - 34 | Sheet No.: 8 OF 15 | Drawing No.: 030 |
| | | | | A-24 - 0059 - 01 | |



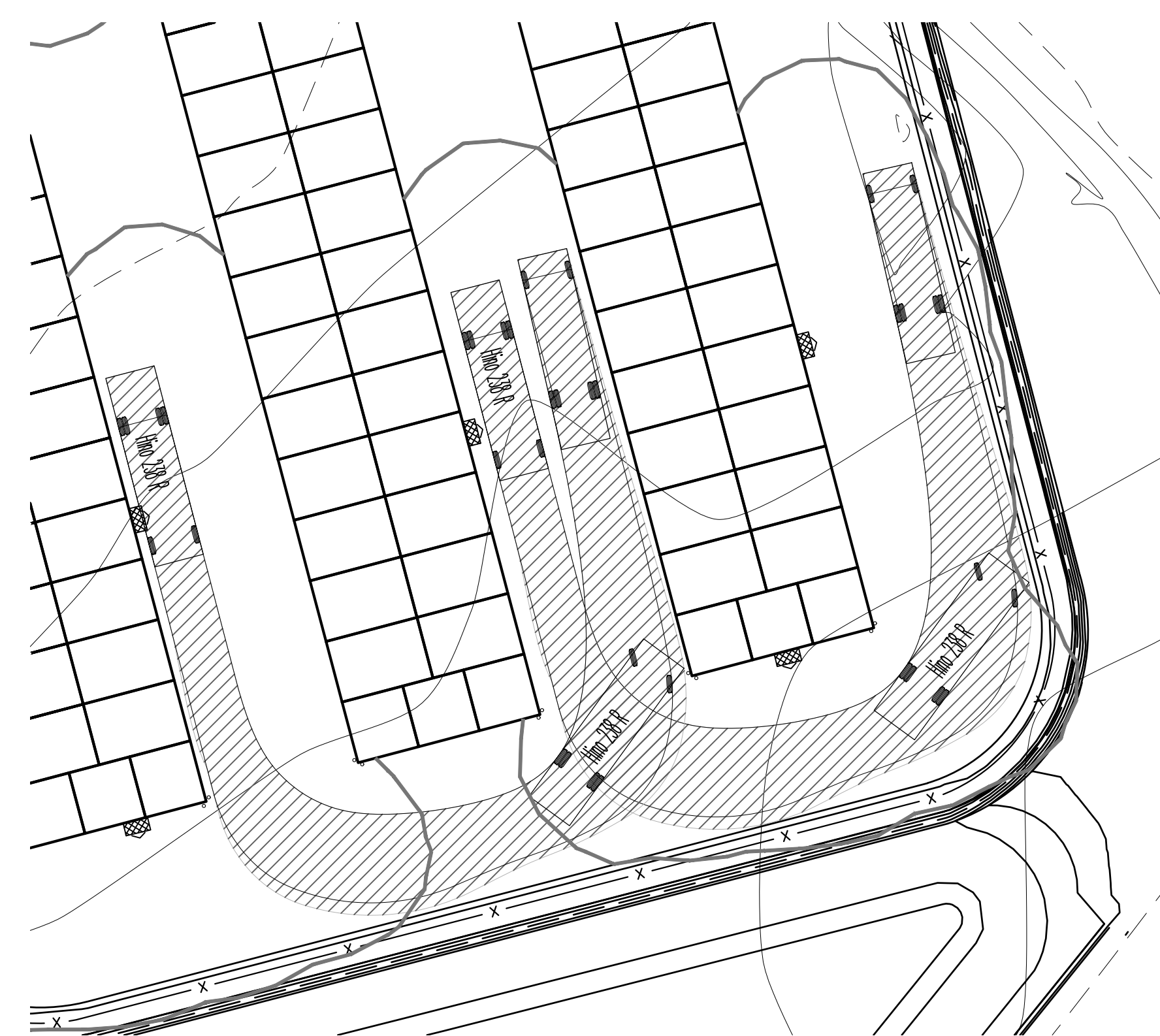
SITE BYPASS DRIVEWAY TO CONNECTED LOT



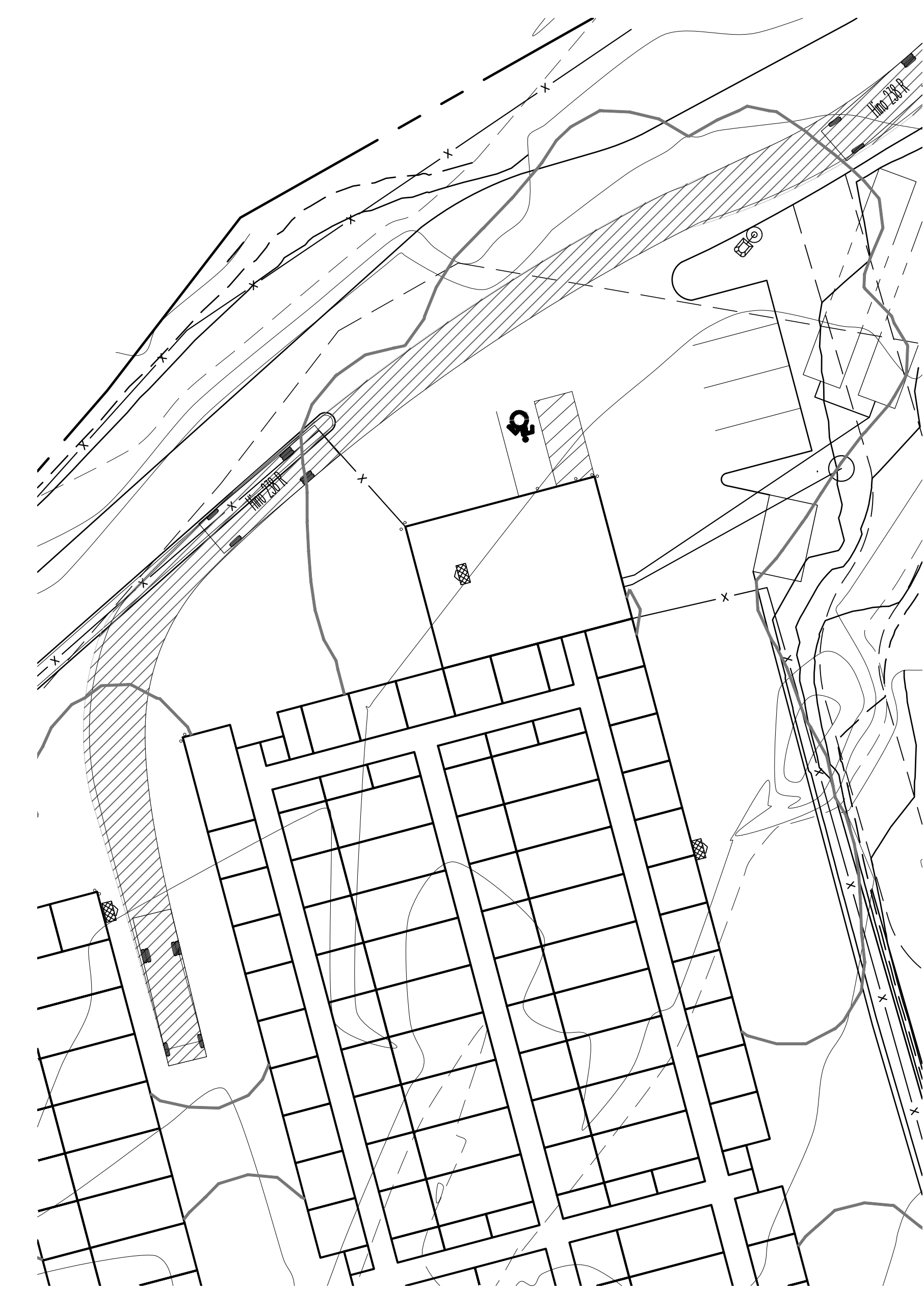
BOX TRUCK ENTRANCE TO REAR STORAGE



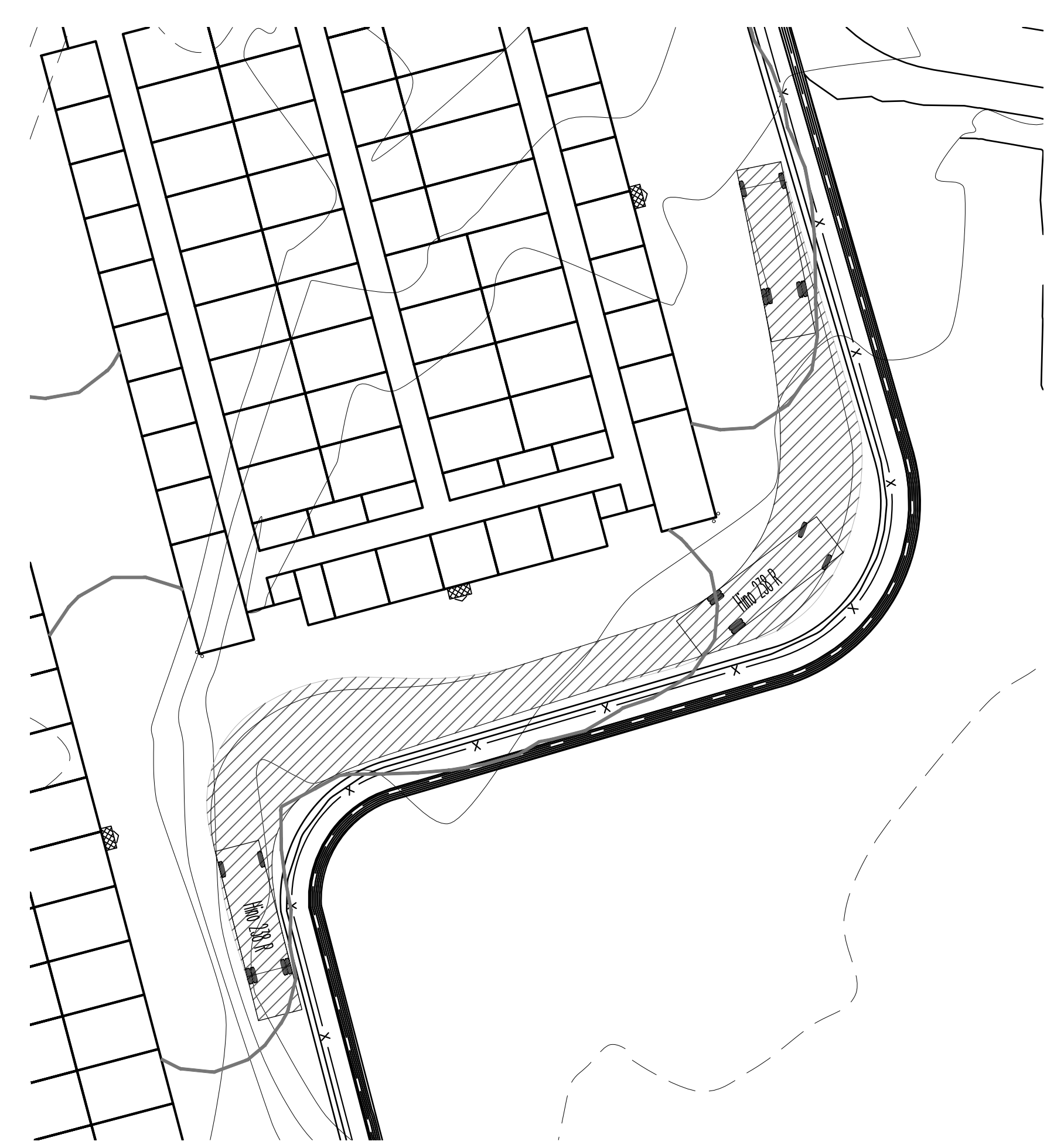
BOX TRUCK ENTRANCE FRONT STORAGE



BOX TRUCK U-TURN BETWEEN STORAGE BUILDINGS



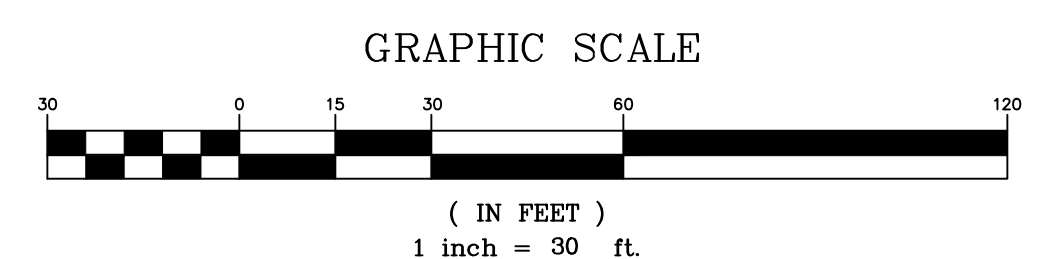
BOX TRUCK ENTRANCE MIDDLE STORAGE



BOX TRUCK "S" TURNING TO MIDDLE STORAGE

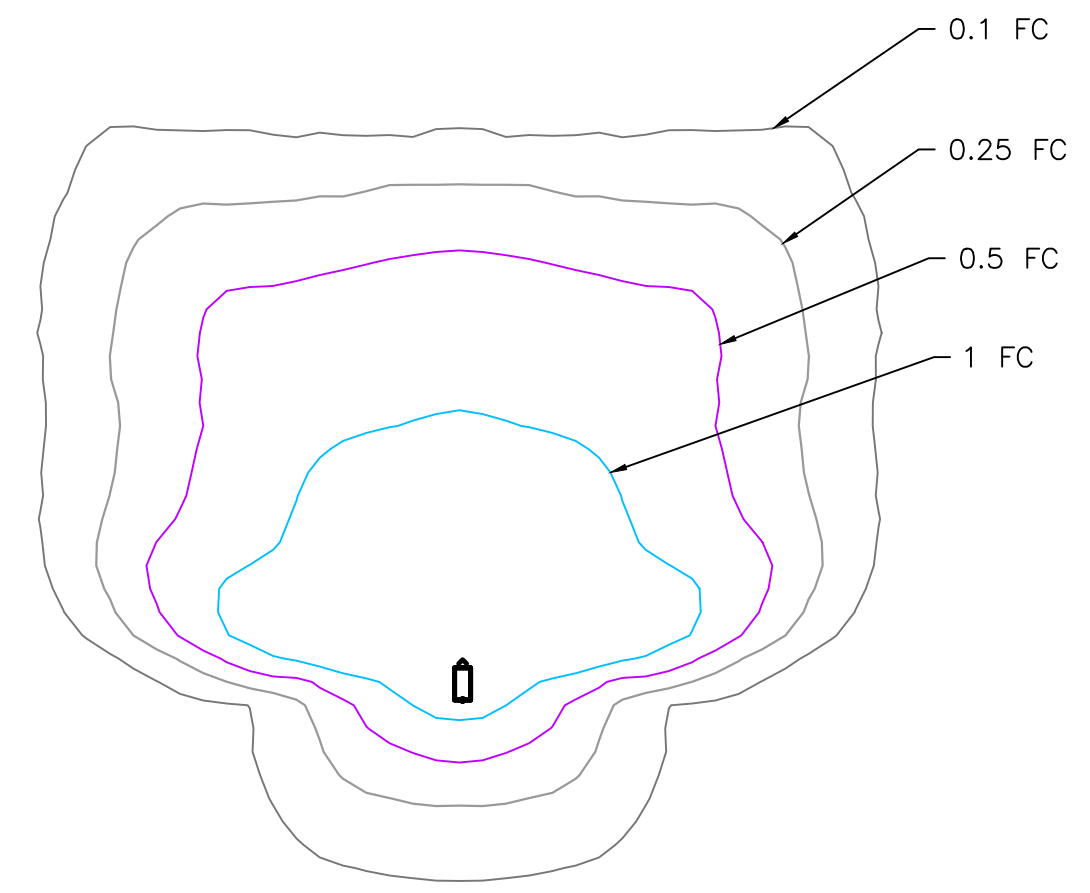
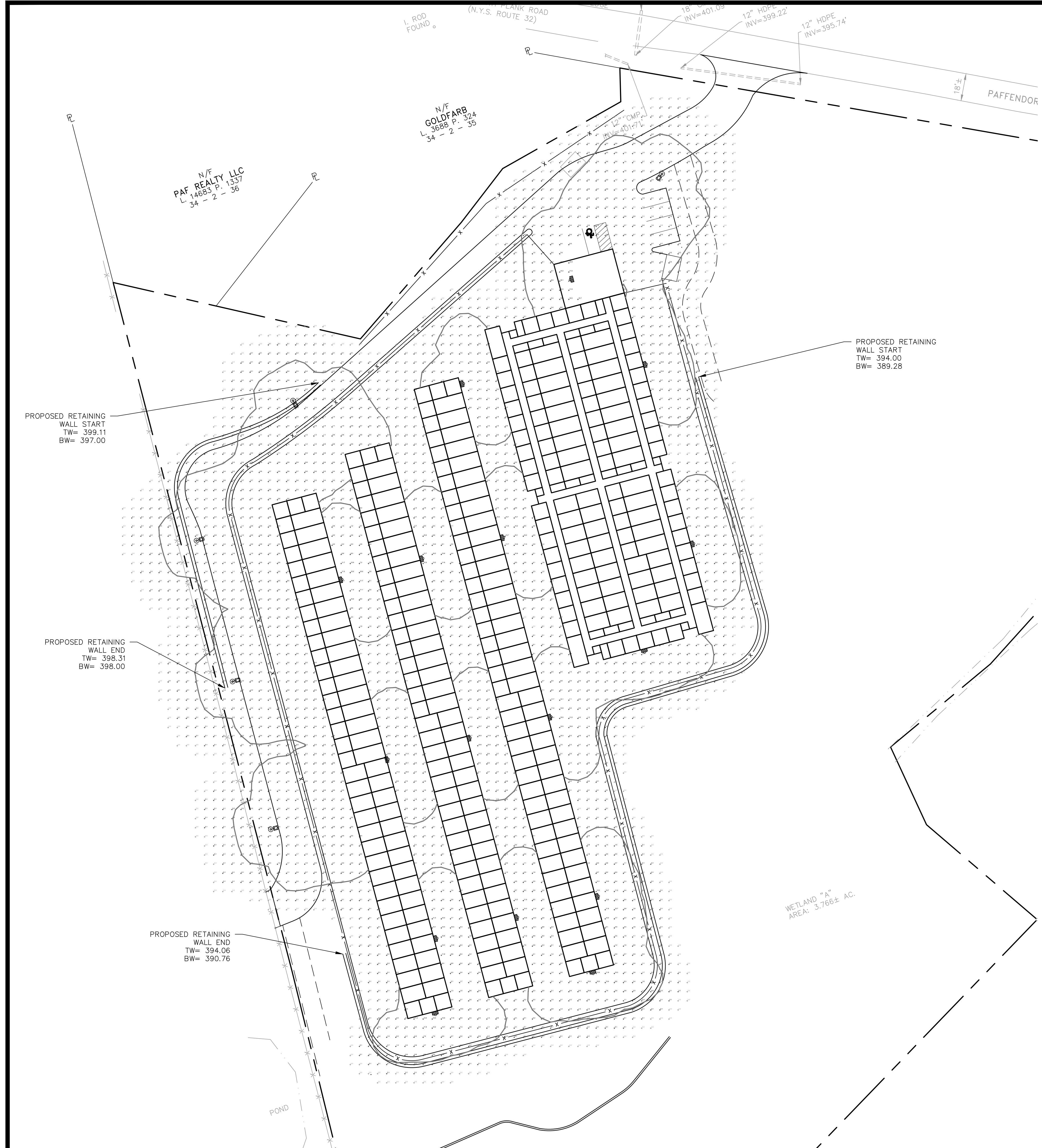


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| | | | Revision: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 |
| VEHICLE TURNING PLAN PREPARED FOR | | | CDW File: 220103-Site Plan.DWG |
| NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | | | Layer: VEHICLE TURNING |
| Drawn By: JG | Checked By: | Scale: 1" = 30' | Tax Map No.: 34 - 2 - 34 |
| Drawing No.: A- 24 - 0059 - 01 | | | Sheet No.: 9 OF 15 |

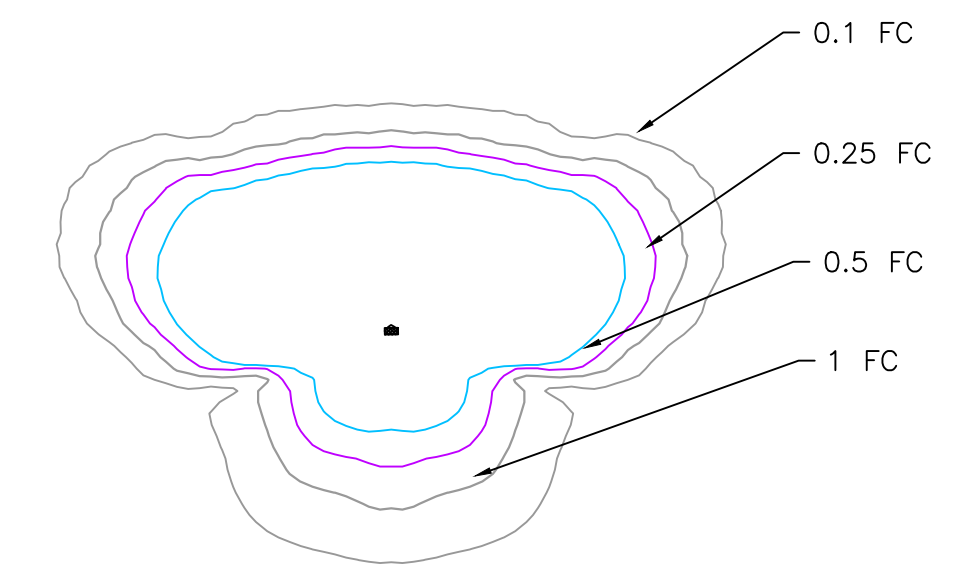


NOTE: FOOTCANDLE LINES SHOWN ARE BASED ON A 17' MOUNTING HEIGHT
EATON "GAN GALLEON" LUMINAIRE "C" TYPE T4FT DISTRIBUTION PHOTOMETRIC DIAGRAM



EATON "GAN GALLEON" LED AREA LUMINAIRE TYPICAL POLE MOUNT AREA LUMINAIRE

PROPOSED LIGHTING FIXTURES SHALL NOT EXCEED 3000K LIGHTING LEVELS.

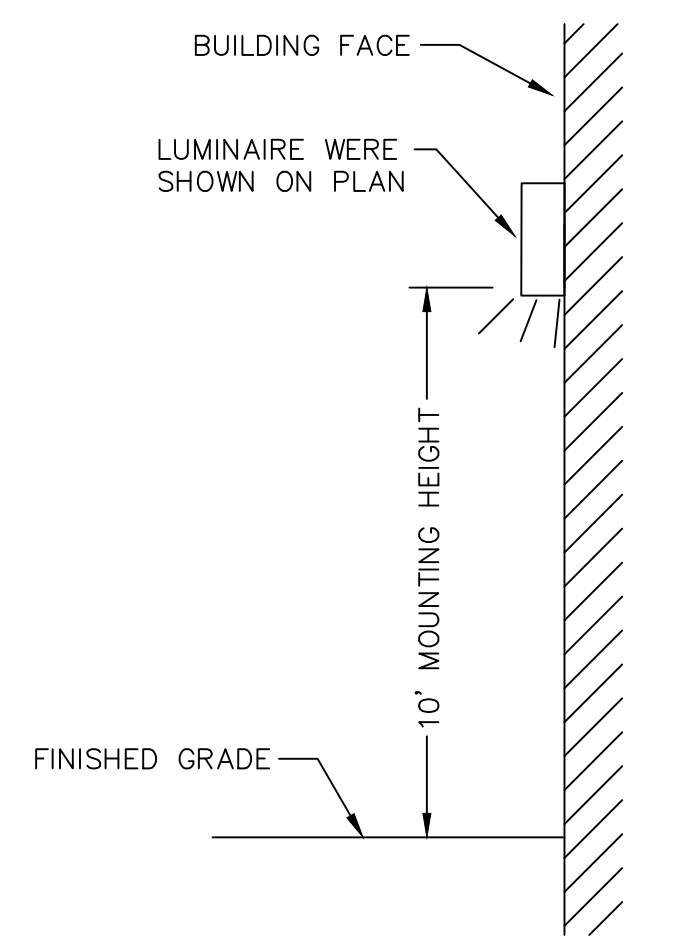


NOTE: FOOTCANDLE LINES SHOWN ARE BASED ON A 10' MOUNTING HEIGHT
GPC "GALLEON PEDESTRIAN COMPANION" WALL LUMINAIRE TYPE T3 DISTRIBUTION PHOTOMETRIC DIAGRAM

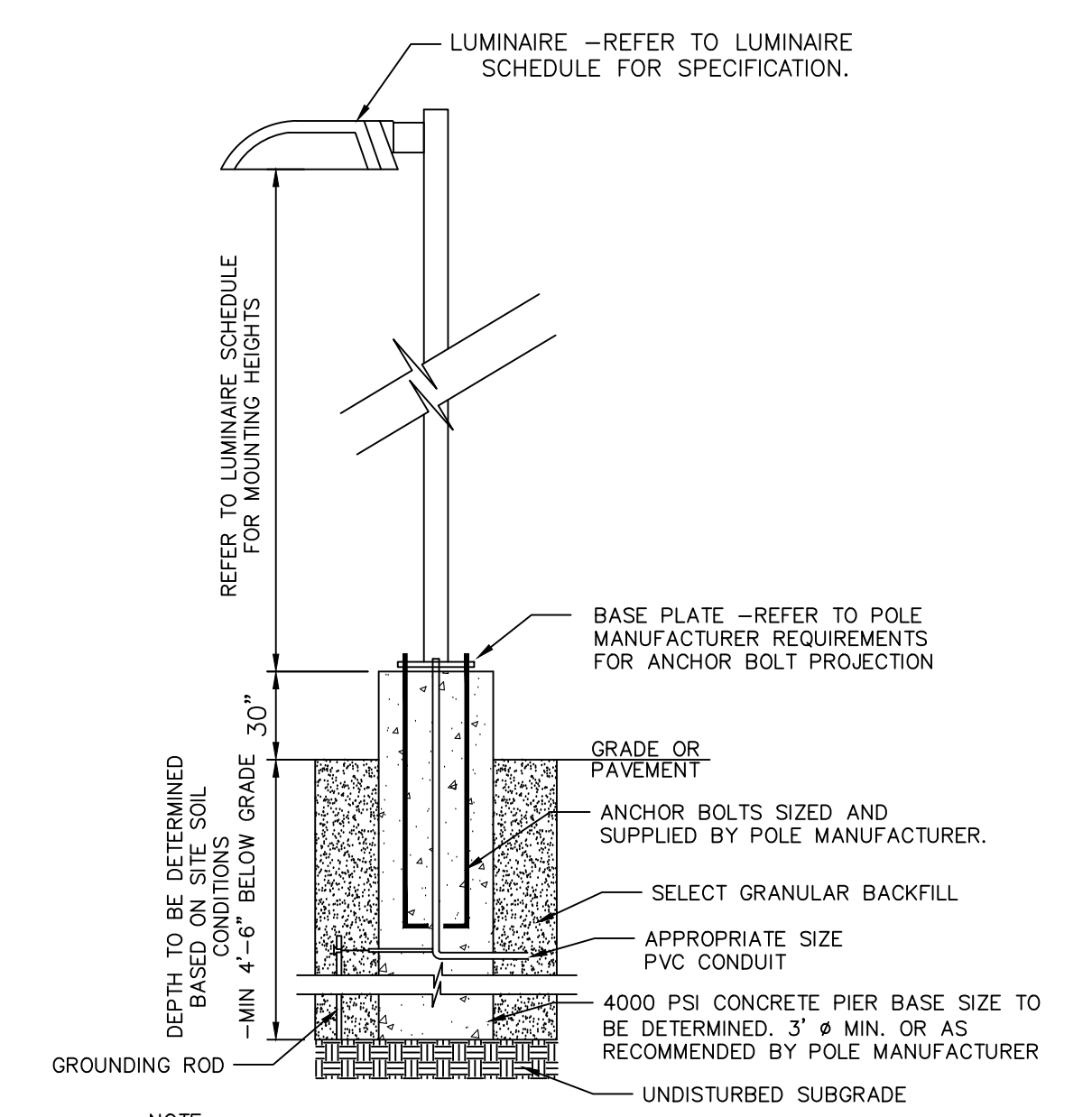


GPC "GALLEON PEDESTRIAN COMPANION" WALL LUMINAIRE TYPE T3 DISTRIBUTION

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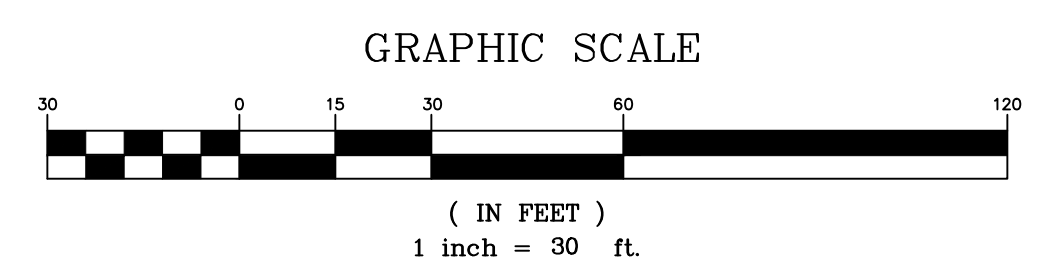
BUILDING MOUNTED LIGHTING DETAIL
NOT TO SCALE



LIGHT POLE BASE DETAIL
NOT TO SCALE

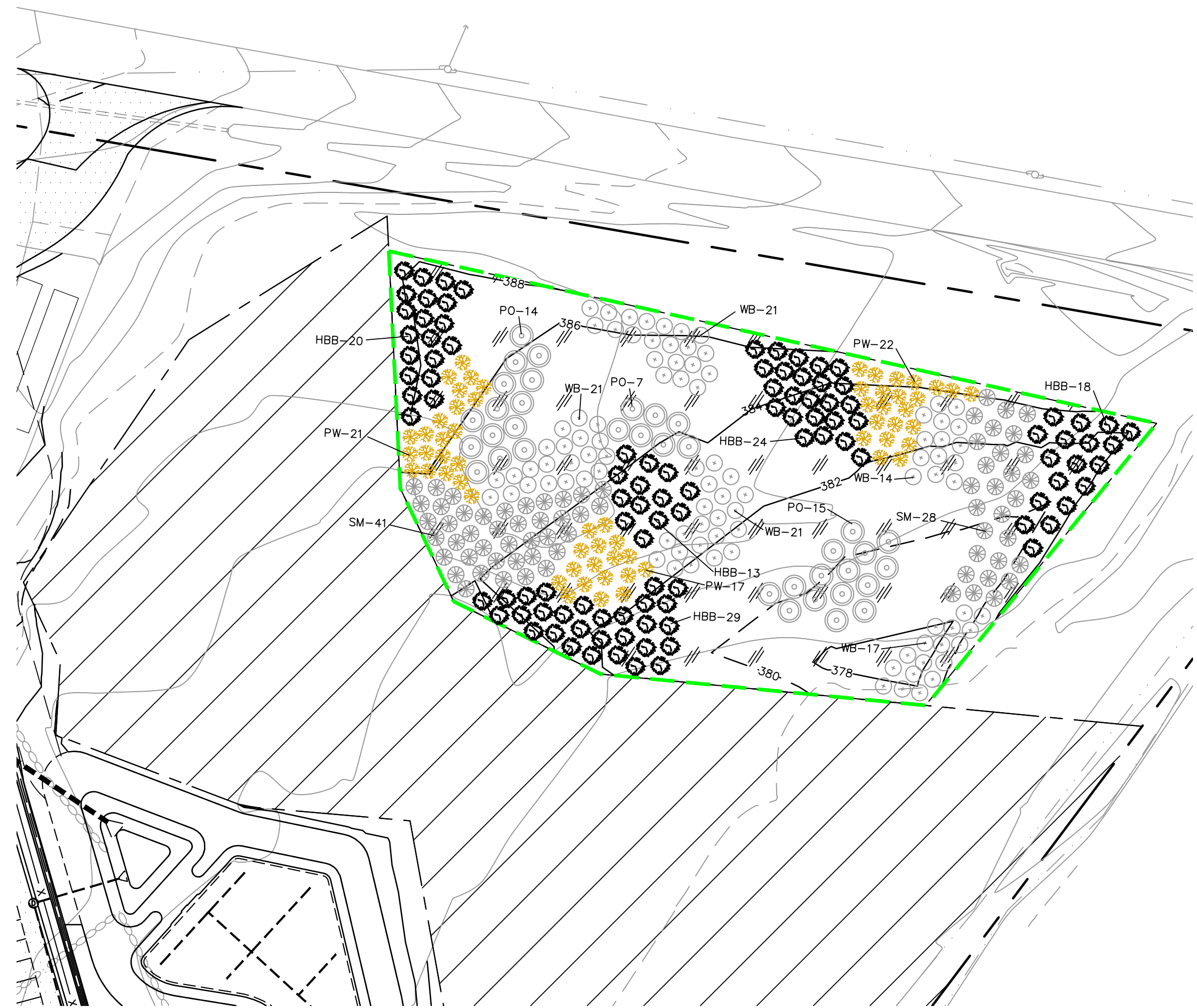


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| TOWN OF NEWBURGH SITE PLAN APPROVAL | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>APRIL 24, 2024</td></tr> <tr><td>Revision:</td><td>OCTOBER 27, 2024</td></tr> <tr><td></td><td>NOVEMBER 15, 2024</td></tr> <tr><td></td><td>NOVEMBER 24, 2024</td></tr> <tr><td></td><td>JANUARY 14, 2025</td></tr> <tr><td>CAD File:</td><td>240109 - Site Plan.DWG</td></tr> <tr><td>Layout:</td><td>LIGHTING</td></tr> <tr><td>Sheet No.:</td><td>10 OF 15</td></tr> <tr><td>Drawing No.:</td><td>C30</td></tr> <tr><td>A-24-0059-01</td><td></td></tr> </table> | Date: | APRIL 24, 2024 | Revision: | OCTOBER 27, 2024 | | NOVEMBER 15, 2024 | | NOVEMBER 24, 2024 | | JANUARY 14, 2025 | CAD File: | 240109 - Site Plan.DWG | Layout: | LIGHTING | Sheet No.: | 10 OF 15 | Drawing No.: | C30 | A-24-0059-01 | |
| Date: | APRIL 24, 2024 | | | | | | | | | | | | | | | | | | | | | | |
| Revision: | OCTOBER 27, 2024 | | | | | | | | | | | | | | | | | | | | | | |
| | NOVEMBER 15, 2024 | | | | | | | | | | | | | | | | | | | | | | |
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| | JANUARY 14, 2025 | | | | | | | | | | | | | | | | | | | | | | |
| CAD File: | 240109 - Site Plan.DWG | | | | | | | | | | | | | | | | | | | | | | |
| Layout: | LIGHTING | | | | | | | | | | | | | | | | | | | | | | |
| Sheet No.: | 10 OF 15 | | | | | | | | | | | | | | | | | | | | | | |
| Drawing No.: | C30 | | | | | | | | | | | | | | | | | | | | | | |
| A-24-0059-01 | | | | | | | | | | | | | | | | | | | | | | | |
| NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | | | | | | | | | | | | | | | | | | | | | | | |
| Drawn By: | Checked By: | Scale: | Tax Map No.: | | | | | | | | | | | | | | | | | | | | |
| JG | | 1" = 30' | 34 - 2 - 34 | | | | | | | | | | | | | | | | | | | | |



LANDSCAPING NOTES:

- QUALITY ASSURANCE
 - NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
 - SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. (AAN), UNLESS OTHERWISE SPECIFIED.
 - NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS, PLANTS NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED, AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANS-PLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL HELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.
 - SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.
- SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
 - UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15 TO MAY 15, AND FROM AUGUST 15 TO OCTOBER 15.
 - UNLESS OTHERWISE DIRECTED IN WRITING THE PLANTING OF TREES AND SHRUBS SHALL BE FROM MARCH 15 TO JUNE 1, AND FROM SEPTEMBER 1 TO NOVEMBER 15.
 - PROCEED WITH AND COMPLETE SEEDING WORK AS RAPIDLY AS PORTIONS OF THE SITE BECOME AVAILABLE, WORKING WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED.
 - PROVIDE TEMPORARY ANNUAL RYEGRASS COVER FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
- PRODUCTS:
 - TOPSOIL - THE TOP 6" - 12" OF ROOTSTOCK MATERIAL WILL BE TAKEN FROM WETLAND DISTURBANCE AREAS AND PLACED AS BEDDING MATERIAL IN THE PROPOSED WETLAND MITIGATION AREA. IF ADDITIONAL TOPSOIL IS NEEDED USE IMPORTED TOPSOIL AS NOTED BELOW.
 - IMPORTED TOPSOIL: PLACE TOPSOIL 6" TO 8" THICK CONFORMING TO THE FOLLOWING:
 - ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARPAN, CLAY, STONES, SOO OR OTHER OBJECTIONABLE FOREIGN MATERIAL.
 - CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLE PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105° C.
- CONTAINING A pH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
- CONTAINING THE FOLLOWING WASHED GRADATIONS:

| SIEVE DESIGNATION | % PASSING |
|-------------------|-----------------------------|
| 1" | 100 |
| 1/4" | 97 - 100 |
| NO. 200 | 20 - 65 (OF THE 1/4" SIEVE) |
- SEED MIXTURE: SUPPLEMENTAL WETLAND SEED MIX IS TO BE APPLIED TO ALL MITIGATION AREA AT 4 POUNDS OF SEED PER ACRE AND CONSIST OF THE FOLLOWING:

| % BY WT. | SPECIES | VARIETY |
|----------|--------------------------|------------------------|
| 26.66% | EUPATORIUM PERFORIATUM | BONESET |
| 20.80% | VERBENA HASTATA | BLUE VERVAIN |
| 19.75% | PANICUM DICHOTOMIFLORUM | SMOOTH PANIC-GRASS |
| 8.89% | SOLIDAGO RUGOSA | WRINKLED GOLDENROD |
| 8.74% | EUPATORIUM MACULATUM | JOE PHE WEED |
| 6.65% | ELITHAMA GRAMINIFOLIA | GRASS LEAF GOLDENROD |
| 4.59% | POLYGONUM PENNSYLVANICUM | PENNSYLVANIA SMARTWEED |
| 2.80% | ASTER NOVAE-ANGIAE | NEW ENGLAND ASTER |
| 0.70% | BIDENS CERNUA | NOODLING BEGGARS TICK |
| 0.21% | ASCLEPIAS INCARNATA | SHAMP MILKWEED |
| 0.12% | IRIS VERSICOLOR | BLUE FLAG |
- LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 80% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.
- FERTILIZER:
 - FOR SPRING SEEDING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 10% NITROGEN, 6% AVAILABLE PHOSPHORUS, AND 4% WATER SOLUBLE POTASH (10-6-4).
 - FOR FALL SEEDING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT, CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHORUS, AND 5% WATER SOLUBLE POTASH (5-10-5).
 - FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH HIGH NITROGEN, 38% URAMITE OR APPROVED EQUAL. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (3.0.2) ABOVE.

HYDROLOGY OF THE MITIGATION AREA

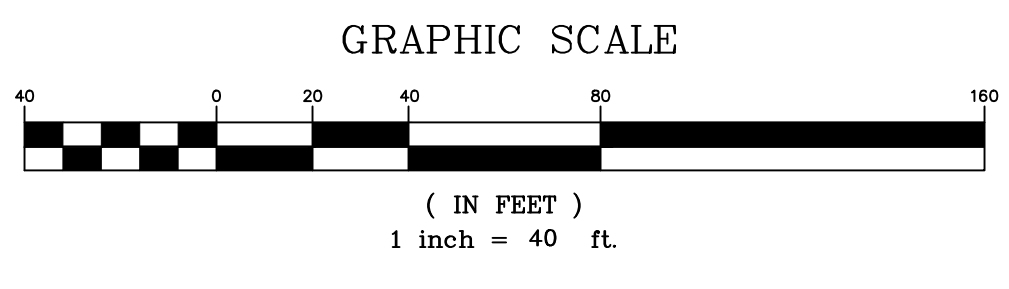
TWO BORINGS IN THE MITIGATION AREA WERE EXAMINED TO PREDICT THE WATER LEVELS AVAILABLE FOR THE MITIGATION AREA. THE RESULTS OF THESE BORINGS GENERALLY CONFIRMED THE SOIL STRATIFICATION SUGGESTED IN THE ORANGE COUNTY SOIL SURVEY. THE FIELD INVESTIGATION REVEALED THAT ORGANIC MATTER APPROXIMATELY 3 INCHES DEEP EXISTS WITHIN THE MITIGATION AREA. BENEATH THIS LAYER EXISTS A LAYER OF CLAY AND OR IN SOME LOCATIONS, SILTY CLAY. GROUNDWATER WAS OBSERVED IN THE BORINGS.

THE SOIL SURVEY INDICATES THAT THE MITIGATION AREA IS CHARACTERIZED BY SOIL OF THE ERIE SERIES (E1B).

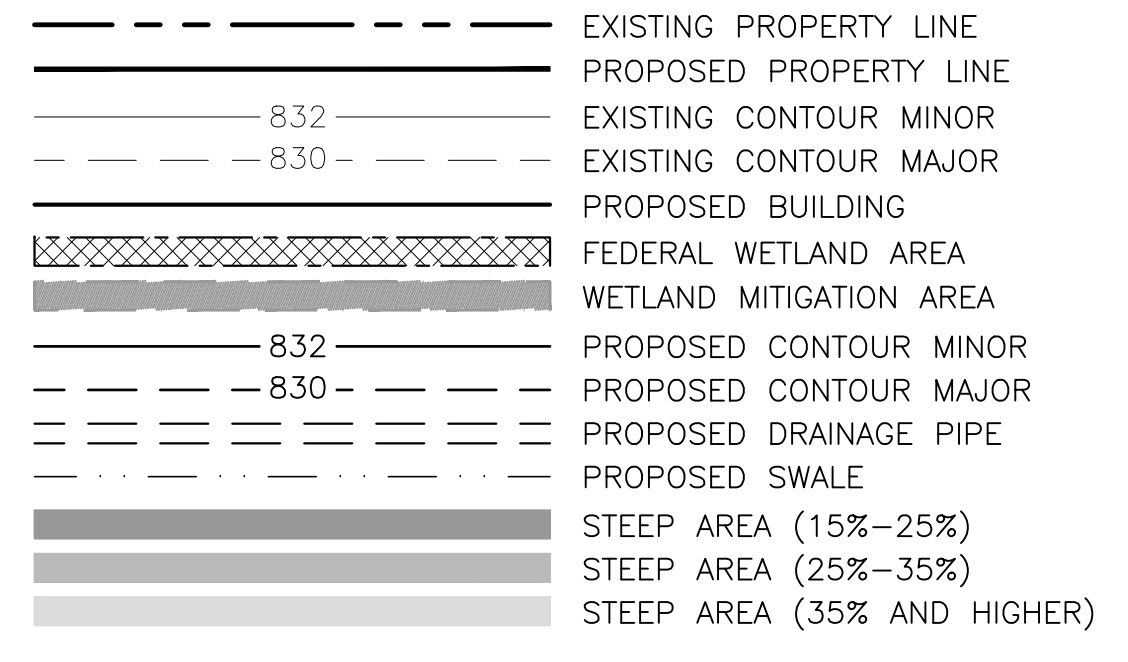
THE ERIE SERIES CONSISTS OF MODERATELY DRAINED SILT LOAMS THAT FORMED ON BROAD DIVIDES. ERIE SOILS ARE SEASONALLY SATURATED EACH YEAR. PERMEABILITY IS MODERATELY SLOW OR SLOW. BECAUSE OF THE MODERATELY SLOW OR SLOWLY PERMEABLE FRAGIPAN, THESE SOILS ARE WET EARLY IN SPRING AND AFTER HEAVY RAINS. THEY OFTEN REMAIN WET UNTIL LATE IN SPRING AND ARE OCCASIONALLY WET IN FALL. SOME AREAS ALSO RECEIVE SEEPAGE FROM NEARBY SLOPES. IT IS ANTICIPATED THAT SURFACE WATER WILL COLLECT IN THE MITIGATION AREA IN SUFFICIENT AMOUNTS TO SUPPORT WETLAND VEGETATION.

THE EXISTING WETLAND AND INTER-CONNECTING STREAM WILL SERVE AS A "REGENERATION NUCLEUS" FROM WHICH VEGETATIVE COVER CAN EXPAND RADIALLY BY VEGETATIVE REPRODUCTION INTO THE PROPOSED MITIGATION AREA. SINCE DIFFERENT PLANT SPECIES WITHIN THE SAME WETLAND MAY OFTEN EXHIBIT A WIDE RANGE OF MOISTURE REQUIREMENTS AND FLOODING TOLERANCES, THE PROPOSED ELEVATIONAL RANGES WILL PROVIDE A MICRO-TOPOGRAPHIC MOISTURE GRADIENT CONDUCIVE TO A HIGH SPECIES DIVERSITY.

MITIGATION AREA
 SCALE : 1" = 30'
 WETLAND TYPE : 69% SHRUB WETLAND
 31% FOREST WETLAND
 ACREAGE : 0.499 AC
 NOTES
 1. PROPOSED GRADING IS SHOWN WITH TWO FOOT CONTOUR INTERVAL.



PLAN LEGEND:



PLANTING LEGEND



F. TREES AND SHRUBS:

- PLANTING SOIL MIXTURE: SHALL BE PREMIXED IN BULK, AND CONTAIN THE FOLLOWING BY VOLUME:
 - 20 PARTS TOPSOIL
 - 10 PARTS PEAT MOSS
 - 1 PART BONE MEAL
- PEAT MOSS: BROWN TO BLACK IN COLOR, WEED AND SEED FREE, DRIED SPHAGNUM PEAT MOSS, CONTAINING NOT MORE THAN 8% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-20.
- BONE MEAL: FINELY GROUND, RAW, MINIMUM 4% NITROGEN AND 20% PHOSPHORIC ACID. IT SHALL BE DELIVERED IN SEALED BAGS SHOWING THE MANUFACTURER'S GUARANTEED ANALYSIS.
- STAKES: 8 FT LONG, 2 IN WIDE WOOD STAKES.
- HOSE: NEW, 2-PLY GARDEN HOSE NOT LESS THAN 1/2 INCH IN DIAMETER.
- MULCH: GROUND OR SHREDDED BARK, MEDIUM SIZE FROM HARD-WOOD TREES, NO PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST, STONES, DEBRIS, AND DELETERIOUS MATERIALS. STANDARD OF QUALITY SHALL BE MANUFACTURED BY HYDE PARK PRODUCTS CO., OF NEW ROCHELLE, NEW YORK, OR APPROVED EQUAL.
- PROVIDE COMPLETE COMMERCIAL FERTILIZER, OF NEUTRAL CHARACTER, WITH SOME ELEMENTS DERIVED FROM ORGANIC SOURCES, CONTAINING AT LEAST 10% AVAILABLE PHOSPHORIC ACID, 3% TO 5% TOTAL NITROGEN, AND 3% TO 5% SOLUBLE POTASH.

CONSTRUCTION NOTES:

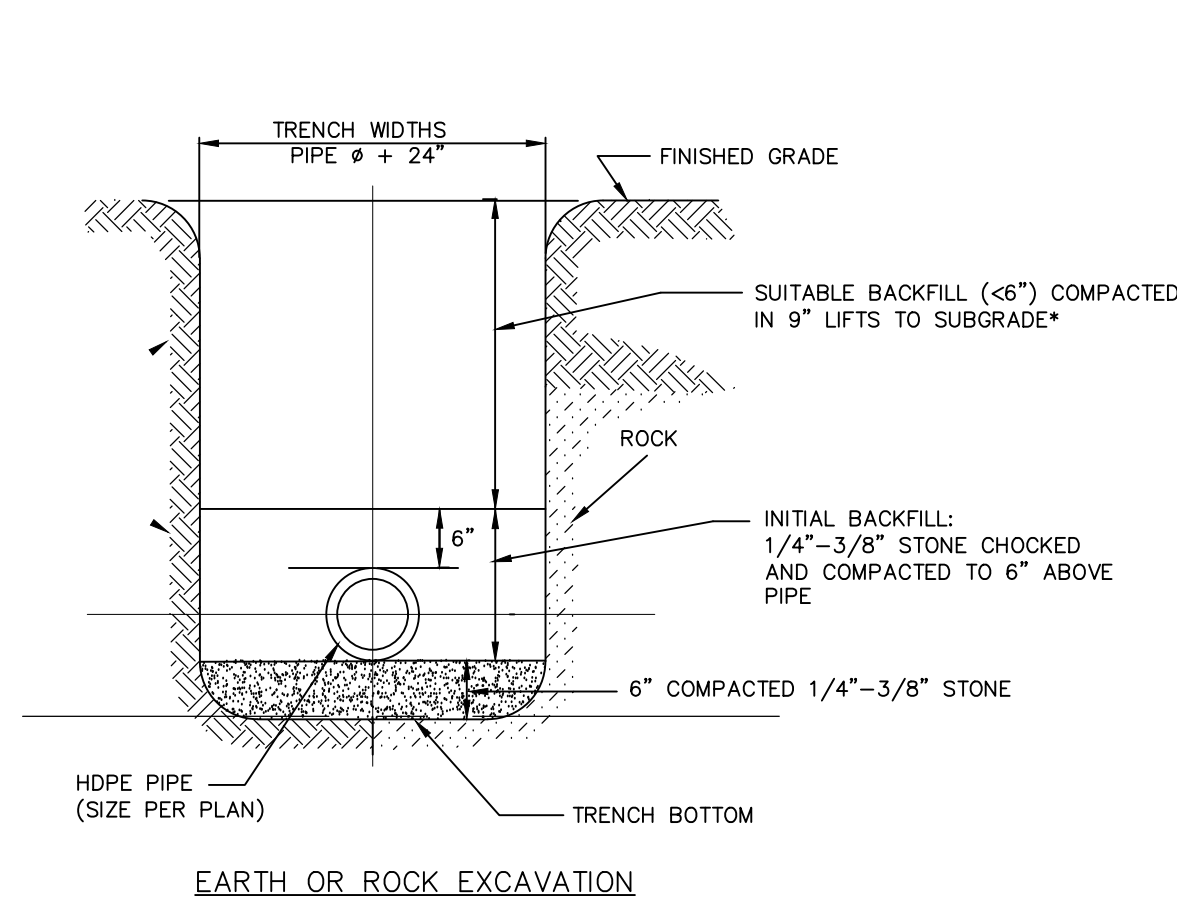
- ALL DISTURBED AREAS ARE TO BE REPAIRED INCLUDING BRINGING GRADES BACK TO ORIGINAL CONDITION BY IMPORTING TOPSOIL AND SUPPLYING NECESSARY SOIL AMENDMENTS PRIOR TO SEEDING AND WATERING.

| PLANTING SCHEDULE | | | | | | |
|-------------------|----------------------|--------------------|---------|-------------|------------|------|
| SYM. | BOTANICAL NAME | COMMON NAME | COND. | SIZE | SPACING | QTY. |
| TREES | | | | | | |
| SM | ACER SACHERRINUM | SILVER MAPLE | B&B | 8' - 10' HT | 10' OC MIN | 69 |
| PO | QUERCUS PALUSTRIS | PIN OAK | #5 CONT | 8' - 10' HT | 10' OC MIN | 36 |
| SHRUBS | | | | | | |
| PW | SALIX DISCOLOR | PUSSY WILLOW | #5 CONT | 3' - 4' HT | 10' OC MIN | 60 |
| WB | ILEX VERTICILLATA | WINTERBERRY | #5 CONT | 3' - 4' HT | 10' OC MIN | 73 |
| HBB | VACCINIUM CORYMBOSUM | HIGHBUSH BLUEBERRY | #5 CONT | 3' - 4' HT | 10' OC MIN | 104 |

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| TOWN OF NEWBURGH SITE PLAN APPROVAL: | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | Date: APRIL 24, 2024 Revision: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 CAD File: Location - Site Plan.DWG Layer: POSITION AND SEDIMENT Sheet No.: 12 OF 15 Drawing No.: C30 A- 24 - 0059 - 01 |
| WETLAND MITIGATION PLAN PREPARED FOR NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | | | |

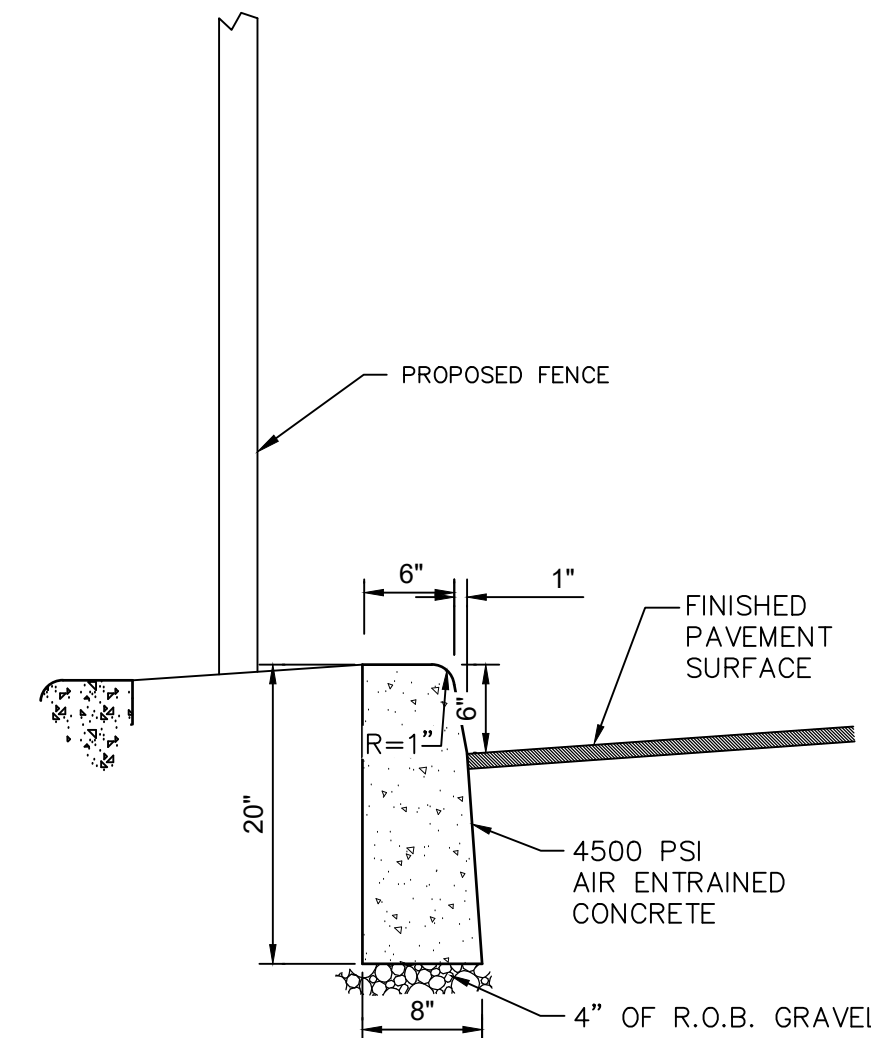


| ACCEPTABLE BACKFILL MATERIAL & COMPACTION REQUIREMENTS | | | | |
|---|---------------------|----------------------|------------------------------|------------------------------------|
| | SOIL CLASSIFICATION | ASTM D2321 | AASHTO M4.3 | MINIMUM STANDARD PROCTOR DENSITY % |
| GRADED OR CRUSHED, CRUSHED STONE, GRAVEL | CLASS I | — | 5 | DUMPED |
| SAND, GRAVELS AND GRAVEL/SAND MIXTURES; LITTLE OR NO FINES | CLASS II | GW GP SW SP | 57 6 | 85% |
| SILTY OR CLAYEY GRAVELS, GRAVEL/SAND/SILT OR GRAVEL AND CLAY MIXTURES; SILTY OR CLAYEY SANDS, SAND/CLAY OR SAND/SILT MIXTURES | CLASS III | GM GC SM SC | GRAVEL AND SAND (<10% FINES) | 90% |

NOTE: INORGANIC SILTS, CLAYS, AND OTHER CLASS IV MATERIAL SHALL NOT PERMITTED.

* BACKFILL SHALL CONTAIN NO STONES OVER 6" IN ANY DIMENSION, IN PAVED AREAS BACKFILL TO BE ITEM 4 (NYS DOT ITEM NO. 304.14) TO SUBGRADE.

UTILITY TRENCH CROSS SECTION
NOT TO SCALE

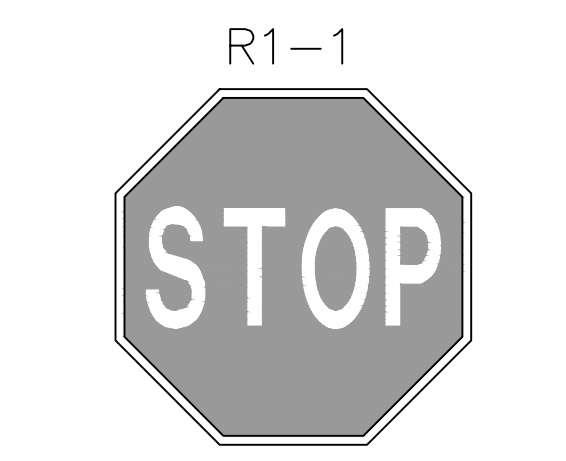
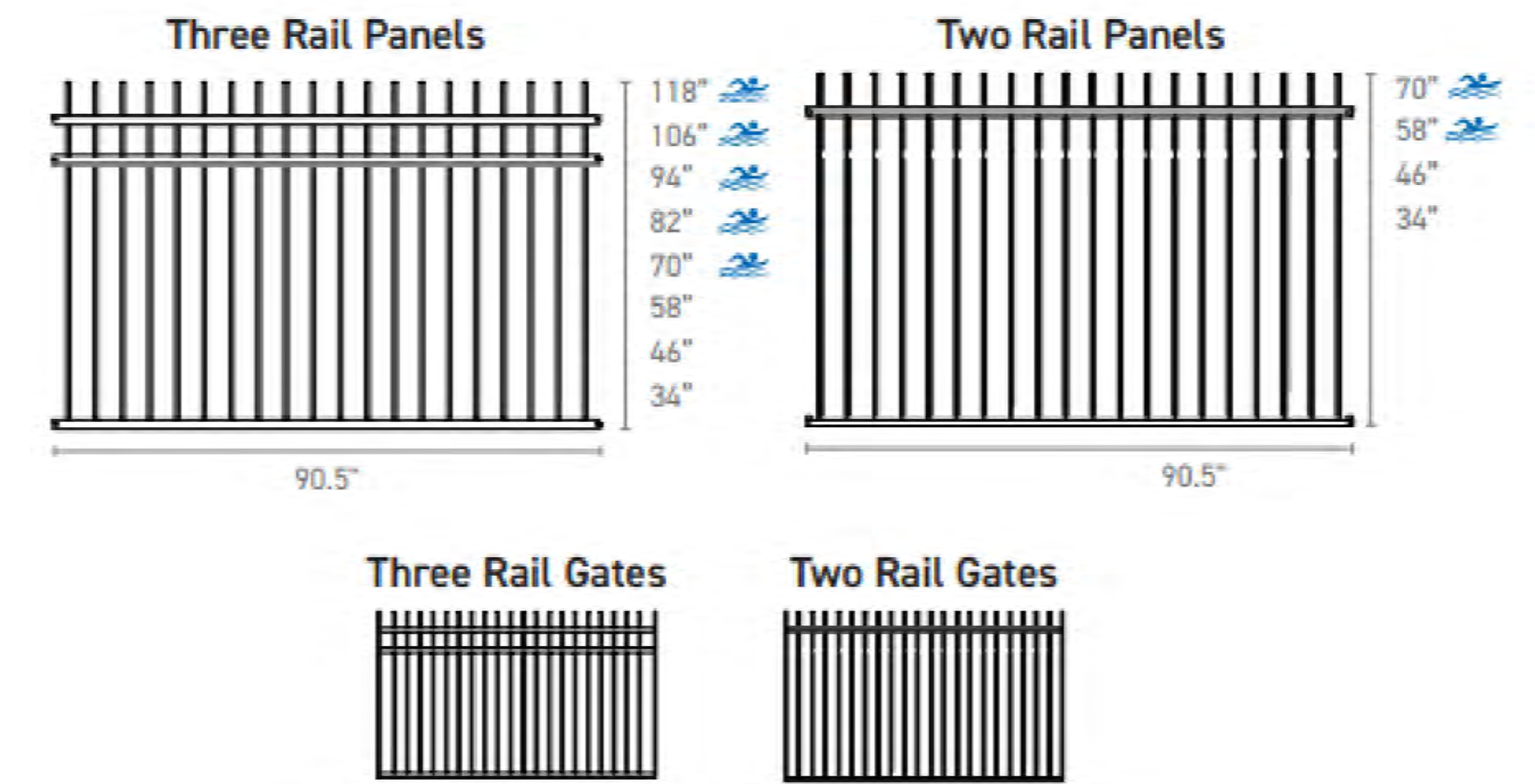


CONTRACTOR TO PROVIDE 1/2" PREFORMED BITUMINOUS - IMPREGNATED FIBER JOINT FILLER EVERY 10' JOINT FILLER TO COMPLY WITH A.A.S.H.O. SPEC. M-213. FILLER TO BE RECESSED IN FROM FRONT FACE AND TOP OF CURB 1/4".

CONCRETE CURB & FENCE ISLAND
NOT TO SCALE

Extended Picket / Flat Bottom

Rail: 1-3/4" (44mm) x 1-3/4" (44mm) 14ga | Picket: 34"-70" (864mm-1778mm) (16ga), 82" & 94" (2083mm & 2388mm) (14ga) | Air Space: 3-15/16" (100mm)

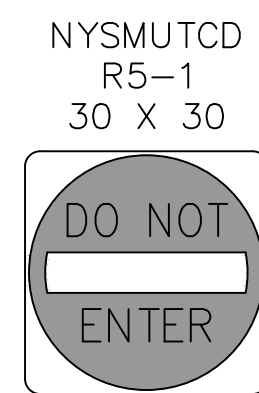


NOTE: STOP SIGN SHALL MEET THE REQUIREMENTS OF CHAPTER 29 OF THE MUTCD.

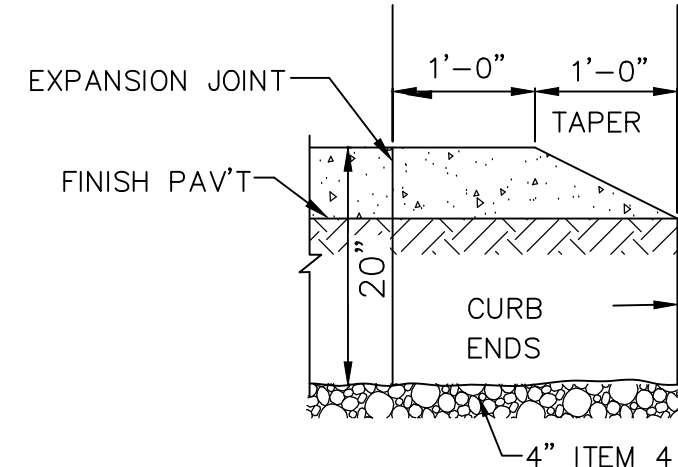
NYSMUTCD R3-10C
36 X 12



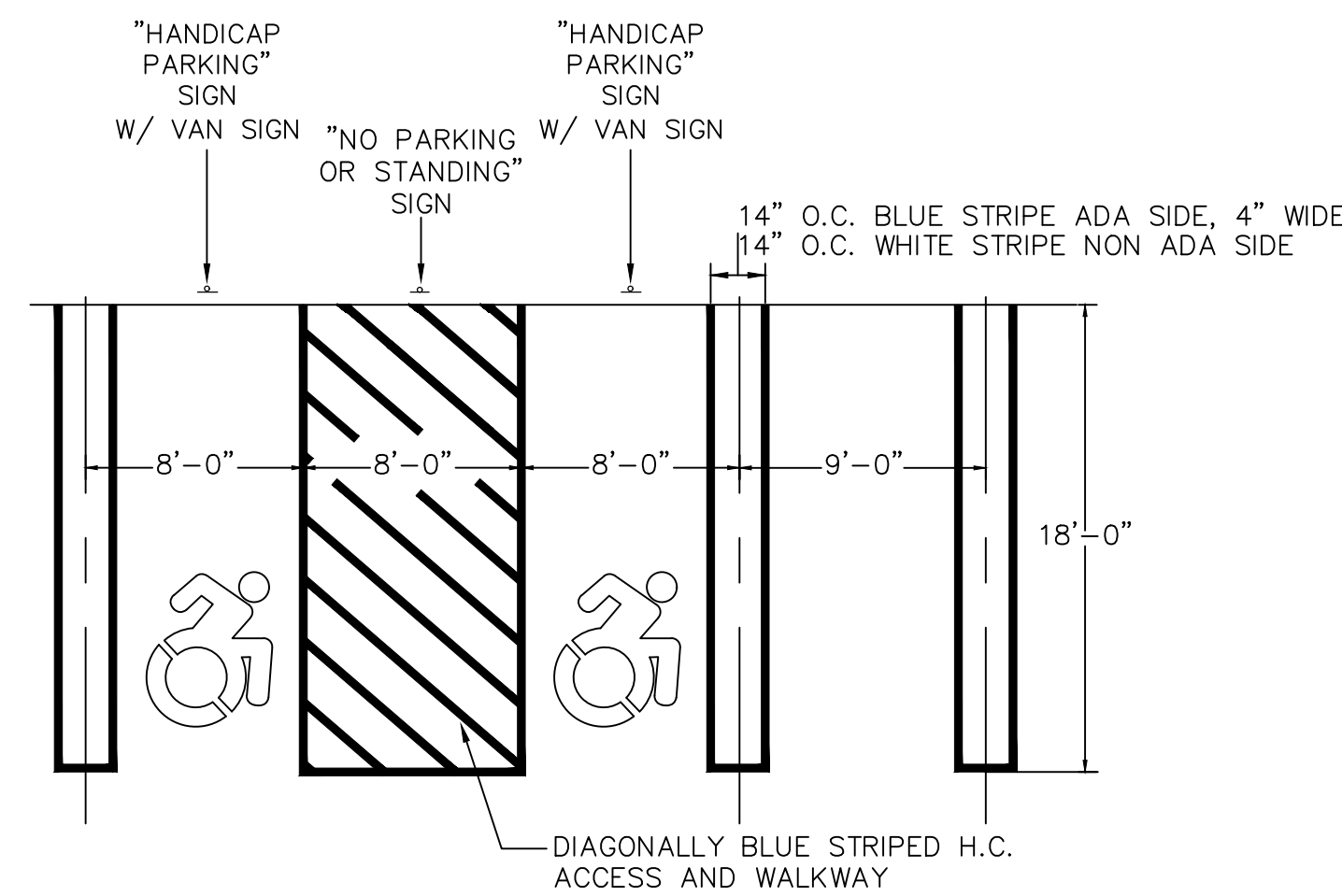
REGULATORY SIGNS
NOT TO SCALE



NYSMUTCD R5-1
30 X 30

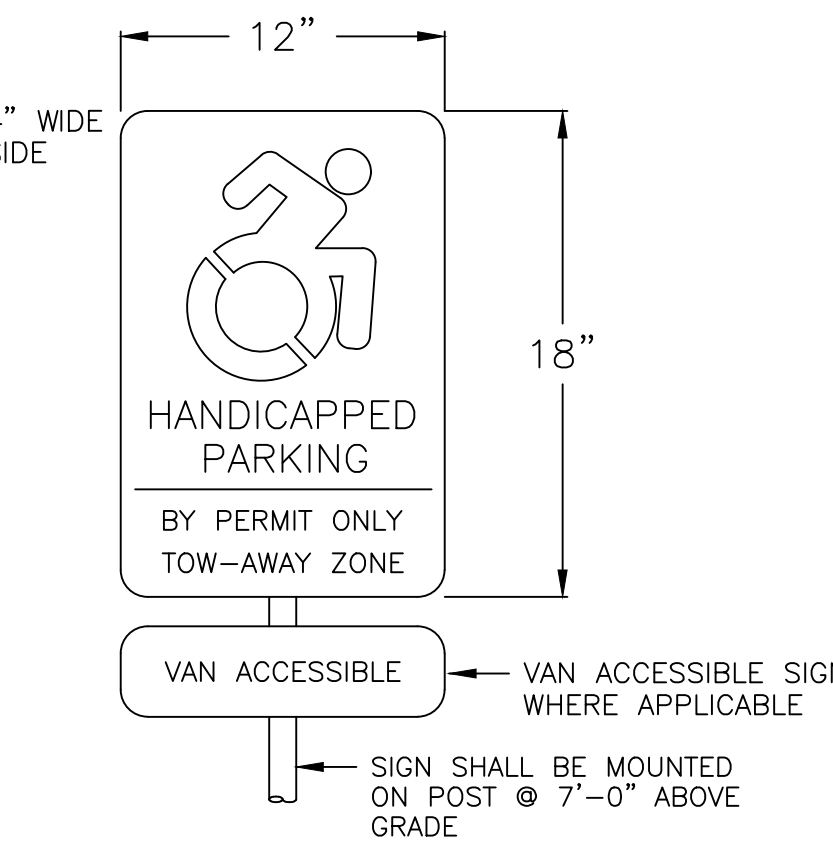


BULLNOSE CURB TERMINAL
NOT TO SCALE

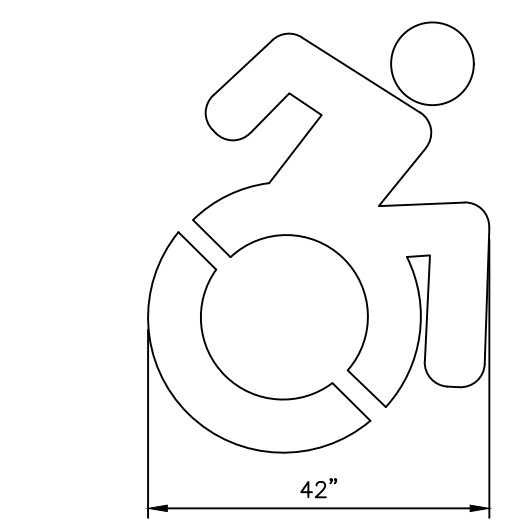


ADA AND TYPICAL PARKING SPACE STRIPING DETAIL
NOT TO SCALE

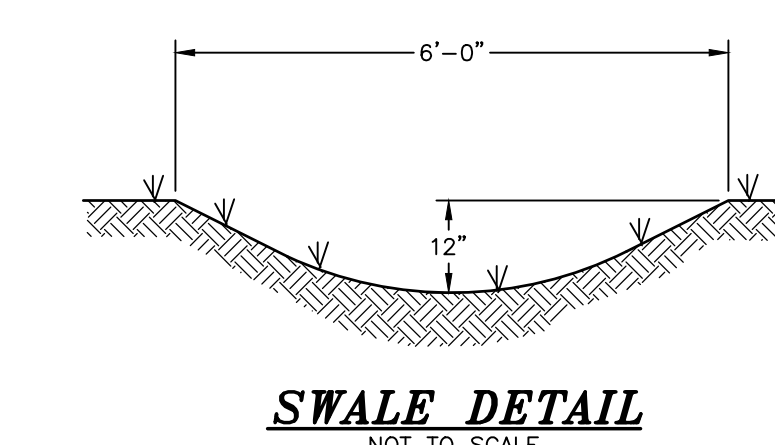
NOTE: MAXIMUM SLOPE FOR ADA PARKING SPACES SHALL NOT EXCEED 2%. SEE GRADING PLAN ON SHEET 5 FOR SPECIFIC ELEVATIONS AND SLOPES.



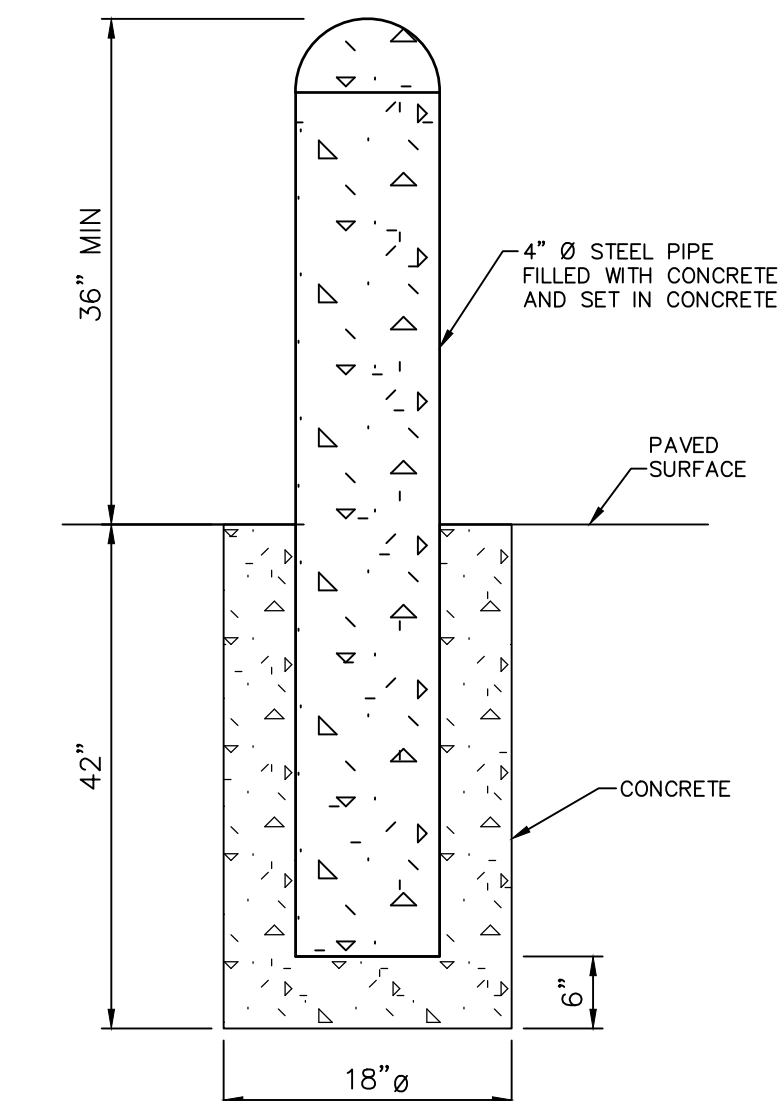
HANDICAP SIGN
NOT TO SCALE



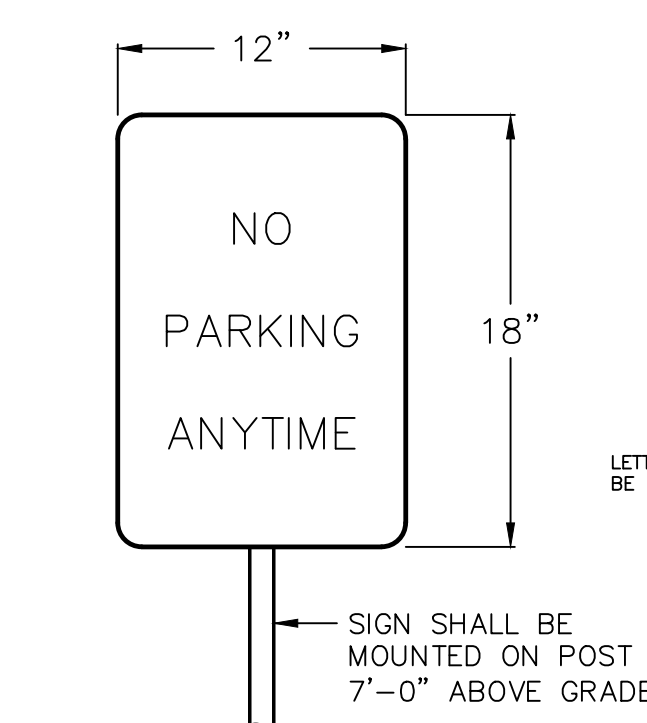
NYS COMPLIANT ACCESSIBILITY SYMBOL
NOT TO SCALE



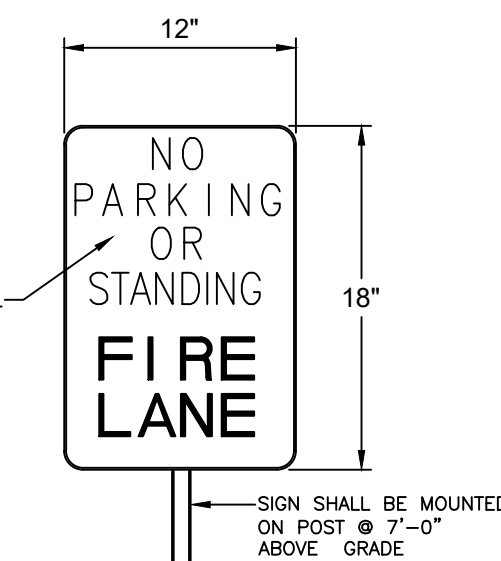
SWALE DETAIL
NOT TO SCALE



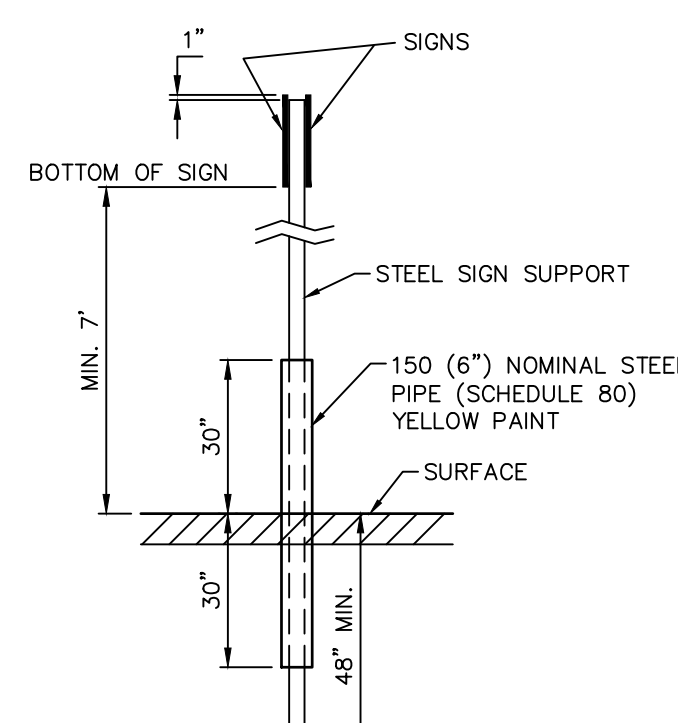
BOLLARD DETAIL
NOT TO SCALE



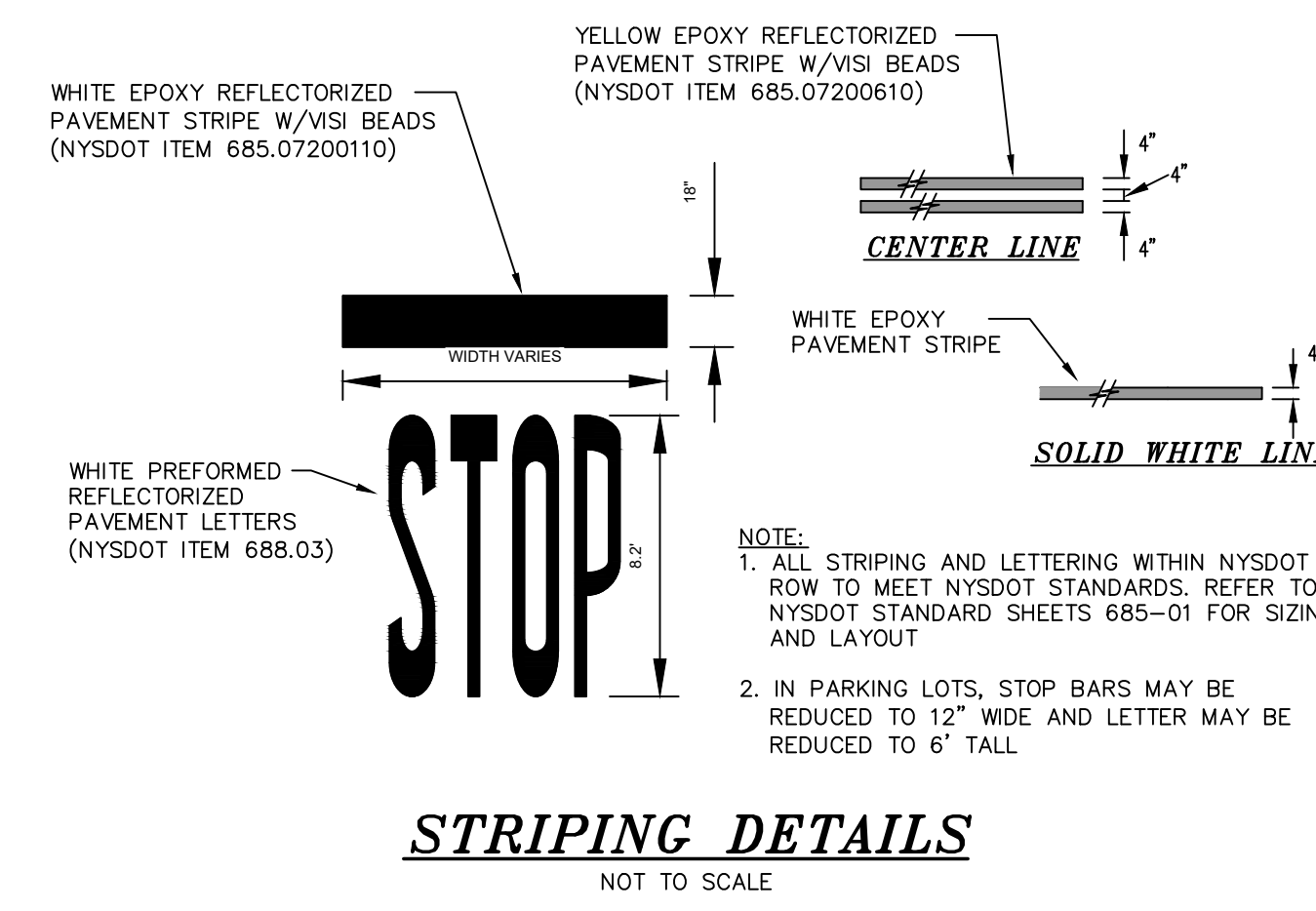
NO PARKING SIGN
NOT TO SCALE



FIRE LANE SIGN
NOT TO SCALE



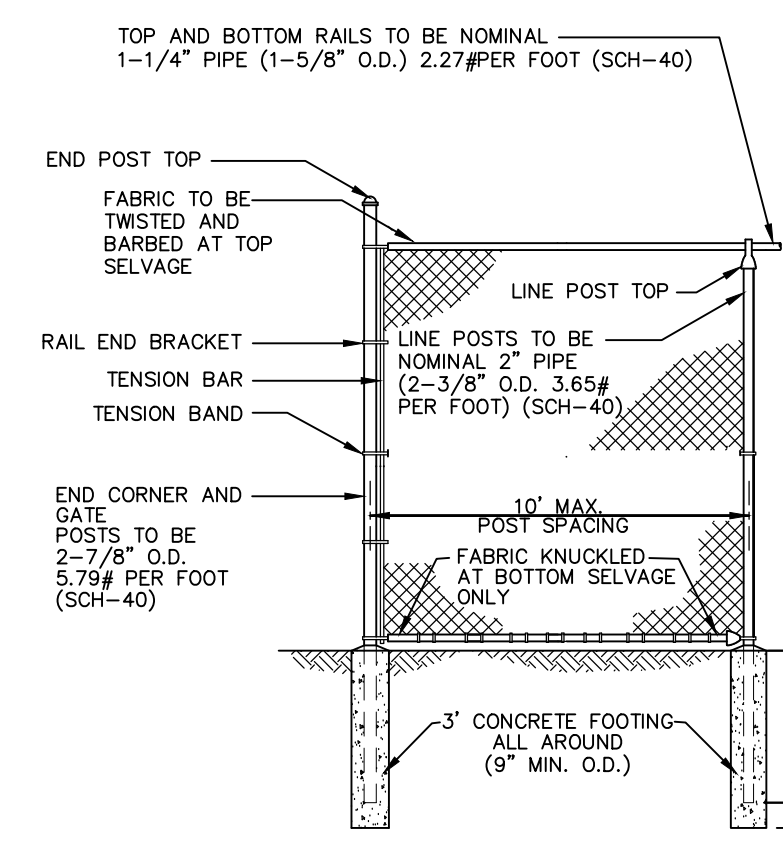
POST BASE DETAIL
NOT TO SCALE



STRIPING DETAILS
NOT TO SCALE

NOTE:
1. ALL STRIPING AND LETTERING WITHIN NYS DOT ROW TO MEET NYS DOT STANDARDS. REFER TO NYS DOT STANDARD SHEETS 685-01 FOR SIZING AND LAYOUT
2. IN PARKING LOTS, STOP BARS MAY BE REDUCED TO 12" WIDE AND LETTER MAY BE REDUCED TO 6" TALL

PAVEMENT SECTION PASSENGER TRAFFIC AND PARKING AREAS
NOT TO SCALE



TYPICAL CHAIN LINK FENCE
NOT TO SCALE

FENCE SPECIFICATIONS:

- FENCING MATERIAL SHALL BE CYCLONE TYPE 1 FENCE AS MANUFACTURED BY USS OR EQUAL.
- FABRIC HEIGHT IS TO BE 4'.
- FABRIC SHALL BE 2" MESH 9 GAUGE (MIN.) WITH TUSSED BLACK VINYL COATING.
- GATE SHALL HAVE LATCHING DEVICES WITH PROVISIONS FOR PADLOCKING.
- ALL POSTS, RAILS, AND APPURTENANCES SHALL BE GALVANIZED STEEL. PIPE POSTS SHALL HAVE TOPS WHICH EXCLUDE MOISTURE.
- END CORNER, PULL, AND GATE POSTS ARE TO BE BRACED WITH THE SAME MATERIAL AS TOP RAIL. ALL POSTS SHALL BE SET IN A CONCRETE FOUNDATION OF 12" MIN. LINE POSTS SHALL BE EVENLY SPACED 10' OR LESS.
- FENCE IS TO BE INSTALLED IN A PROFESSIONAL MANNER TO ENHANCE THE APPEARANCE OF THE INSTALLATION, TO PREVENT ENTRANCE OF PERSONS AND ANIMALS AND TO PROTECT EQUIPMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN THAT THE GRADE AT THE FENCE LINE IS CORRECT, LEVEL, AND FINAL BEFORE THE FENCE IS INSTALLED. ALL POSTS SHALL BE ALIGNED TOP RAIL SHALL BE HEAD LEVEL.
- EXPERIENCED PERSONNEL IN THE FENCE INDUSTRY SHALL INSTALL THE FENCE.

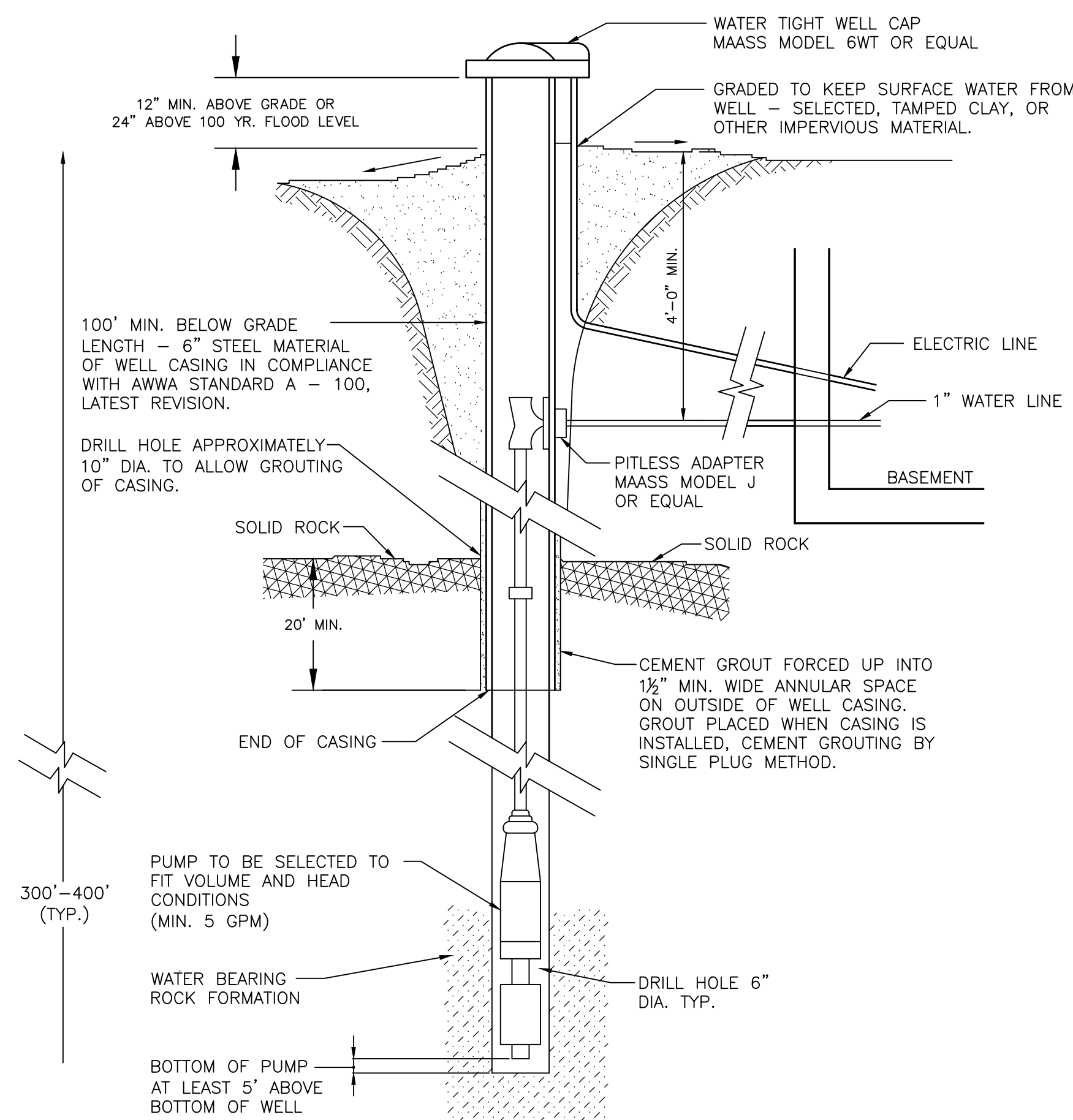


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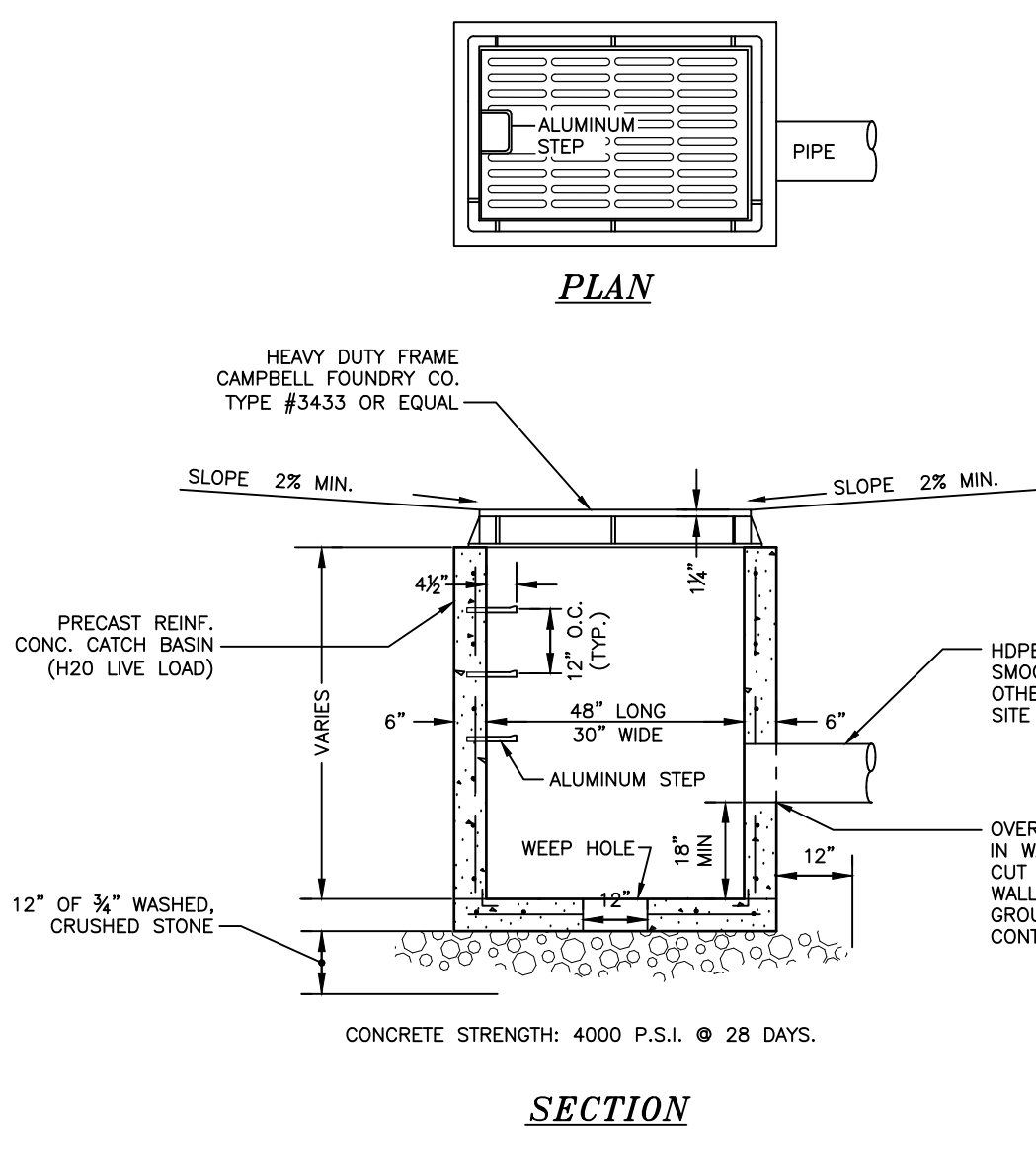
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| | | | |
|--|-------------------------------------|---|---|
| TOWN OF NEWBURGH SITE PLAN APPROVAL: | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | Date: APRIL 24, 2024 |
| | | | CONSTRUCTION DETAILS PREPARED FOR NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK |
| Drawn By: JG Checked By: Scale: N.T.S. Tax Map No.: 34-2-34 | Drawing No.: C30 A-24-0059-01 | Revision: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 | Sheet No.: 13 OF 15 |

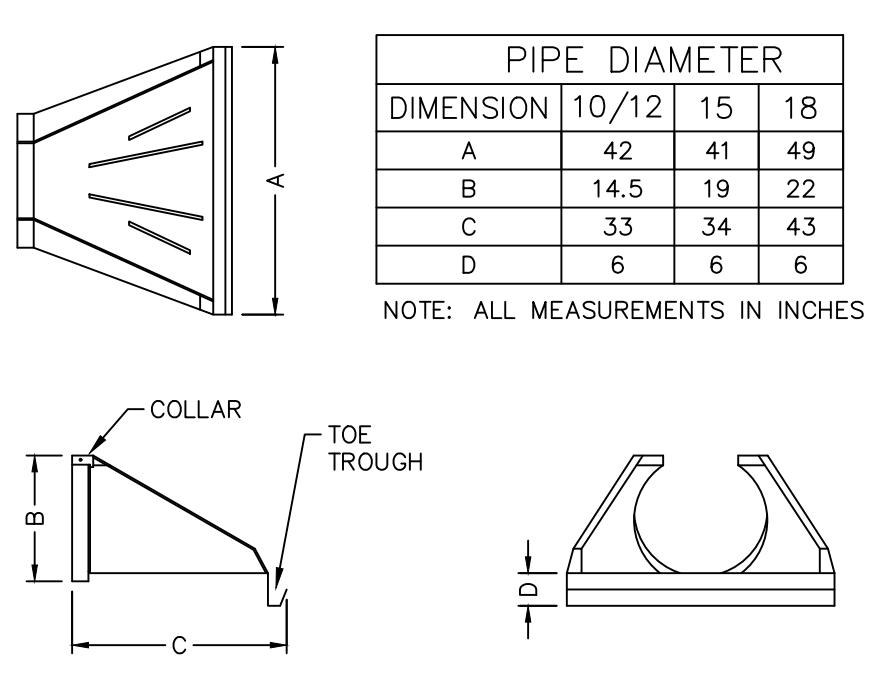


TYPICAL WELL DETAIL
NOT TO SCALE
(MINIMUM 5 GPM WELL YIELD)

NOTE:
1. WELL WATER SUPPLY TO DWELLING SHALL BE A PROVIDED WITH UV DISINFECTION SYSTEM TO BE DESIGNED AND INSPECTED BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO ISSUANCE OF A CERTIFICATION OF OCCUPANCY.



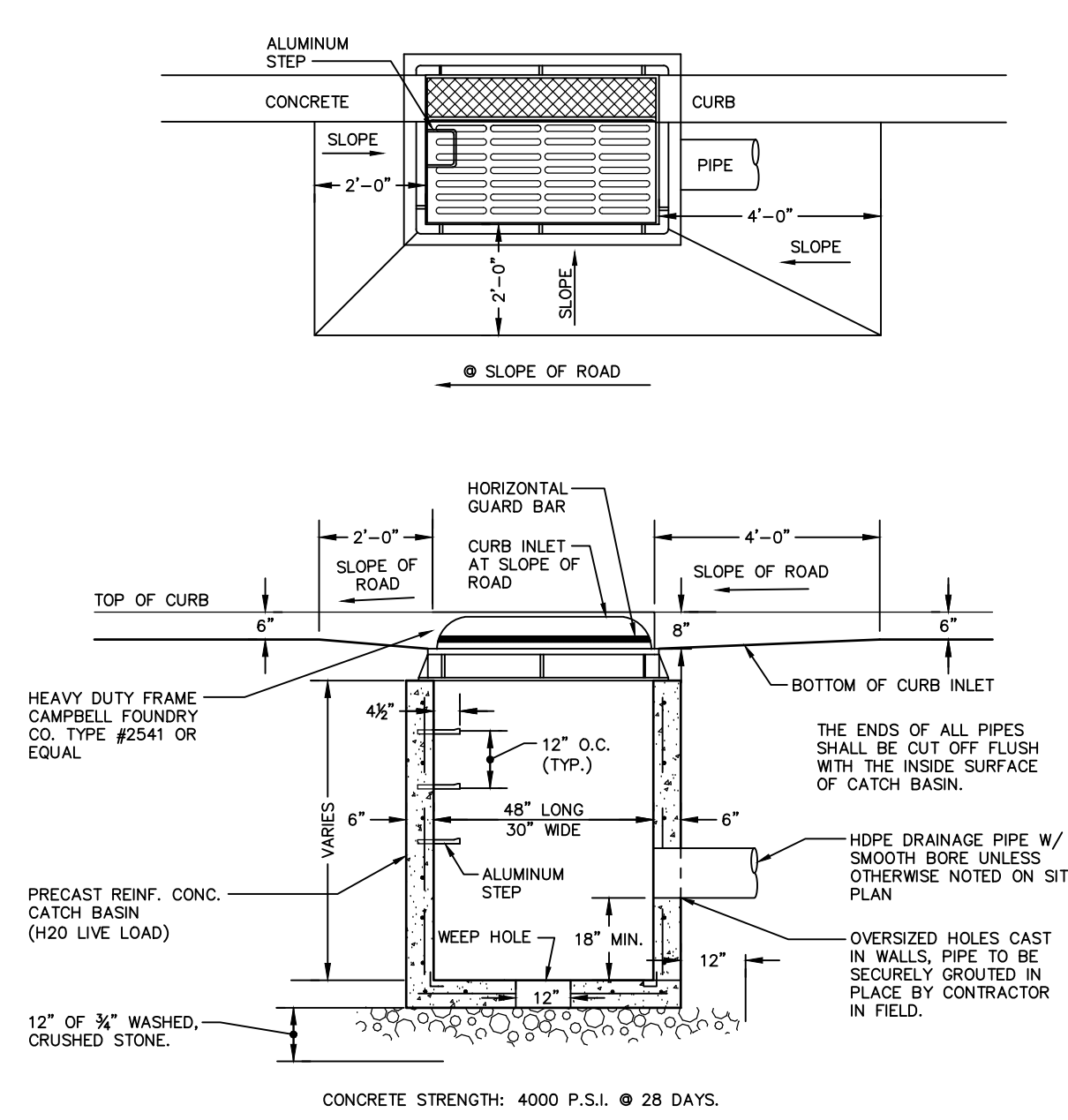
FLAT GRATE-CATCH BASIN
NOT TO SCALE



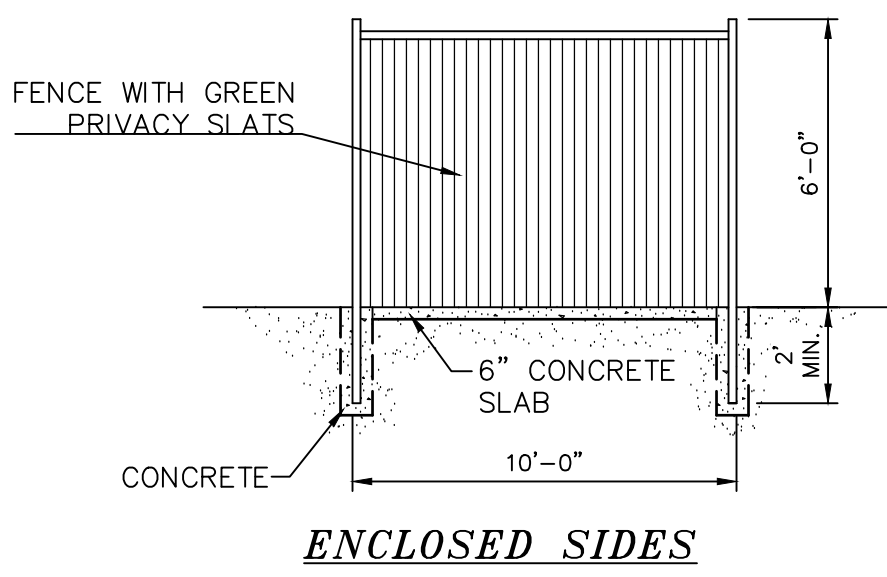
HDPE FLARED END SECTION
NOT TO SCALE

| DIMENSION | PIPE DIAMETER | | |
|-----------|---------------|----|----|
| | 10/12 | 15 | 18 |
| A | 42 | 41 | 49 |
| B | 14.5 | 19 | 22 |
| C | 33 | 34 | 43 |
| D | 6 | 6 | 6 |

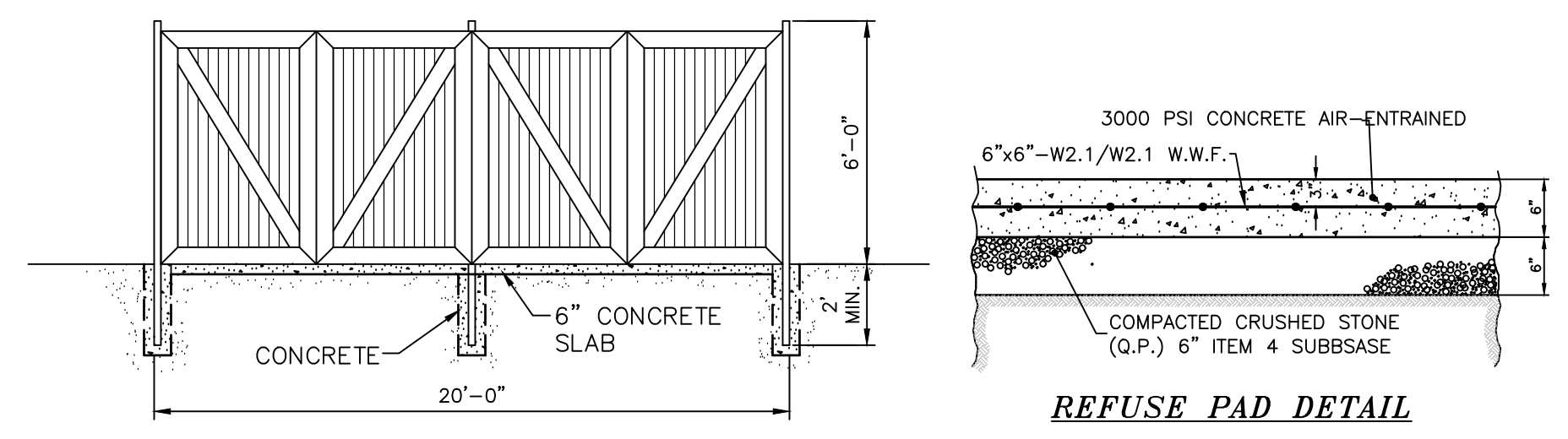
NOTE: ALL MEASUREMENTS IN INCHES



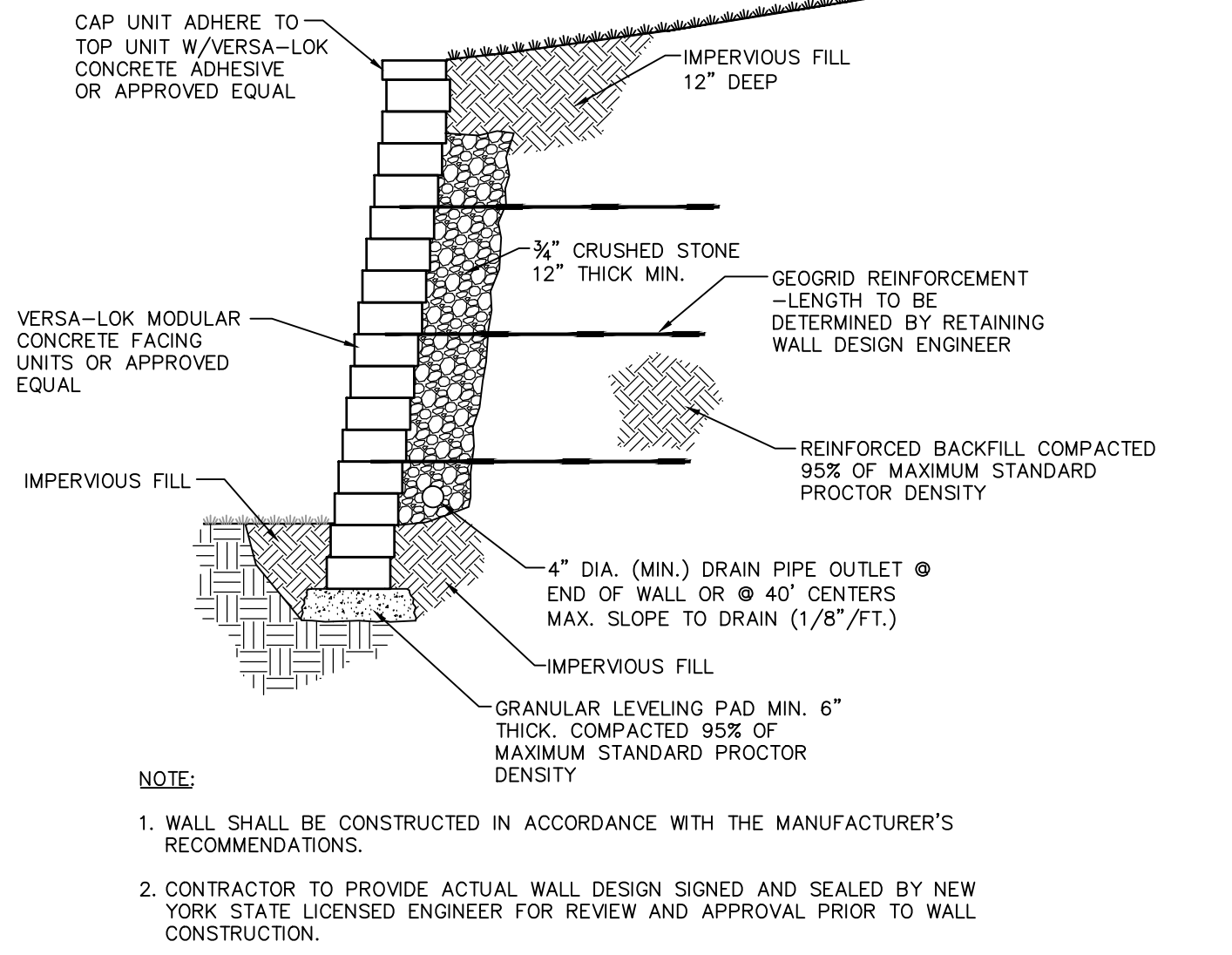
CURB INLET-CATCH BASIN
NOT TO SCALE



ENCLOSED SIDES

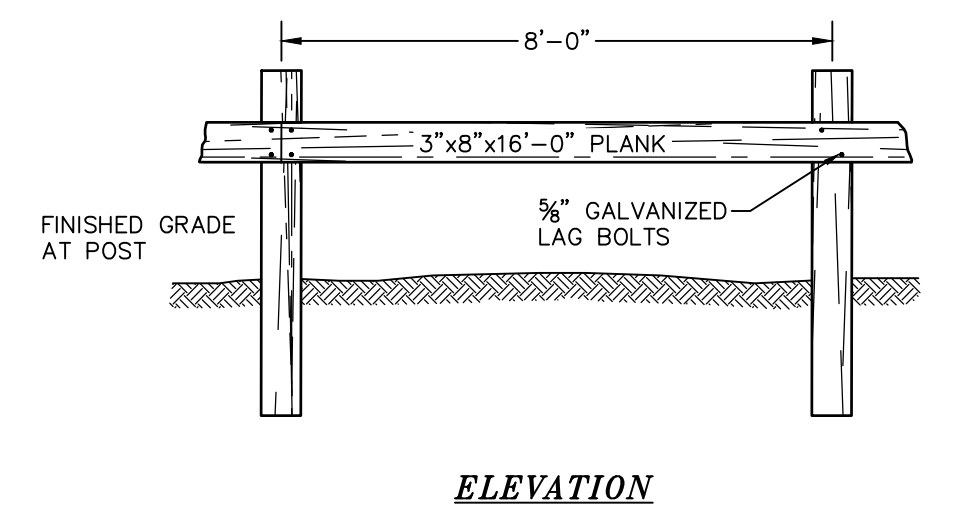


REFUSE STORAGE ENCLOSURE DETAIL
NOT TO SCALE

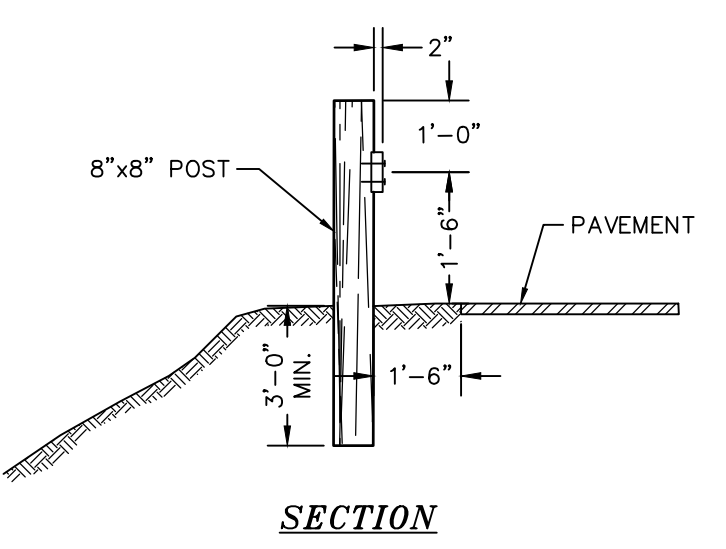


TYPICAL SECTION-REINFORCED RETAINING WALL
NOT TO SCALE

- RETAINING WALL NOTES
1. WALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR TO PROVIDE ACTUAL WALL DESIGN SIGNED AND SEALED BY NEW YORK STATE LICENSED ENGINEER FOR REVIEW AND APPROVAL PRIOR TO WALL CONSTRUCTION.
 3. Design for the retaining wall shown herein shall be prepared by a NYS Licensed Professional Engineer and submitted to the Town Building Inspector for record prior to construction. Such design drawings (or shop drawings) shall bear the stamp and signature of such engineer, and shall be specific for the site and specific to the retaining wall system to be utilized and shall consider all appropriate and necessary possible loadings and conditions related to this project.
 4. The aforementioned design and details shall consider / identify / include, but shall not be limited to: signed and sealed design calculations; complete and specific construction plans and details for each wall; appropriate sizing for drainage system to handle intense storm conditions; maintenance ability to clean stormwater piping systems; appropriate backfill material sufficient porosity to allow free drainage of water; evaluate potential failure by internal/external failure mechanisms, global failure or other potential failures; and seismic design considerations.
 5. If the wall or walls are tiered walls, the design shall include an analysis of the minimum spacing of walls to allow the individual walls to act as individual walls based on the specific site and construction conditions. If the walls are to be placed closer than the same, the specific design shall consider the loads superimposed by one wall to the other.
 6. During construction, the work must be inspected by a NYS Licensed Professional Engineer who shall provide written verification to the Town Building Inspector, prior to the request for a certificate of occupancy, that he/she has personally inspected the work, and the installation is in compliance with the design drawings and manufacturer's installation recommendations.
 7. If deemed necessary by the design engineer and/or the Town, third party testing will be performed regarding material compaction, fill quality, etc. A copy of all such testing records shall be provided to the Town Building Department for record.



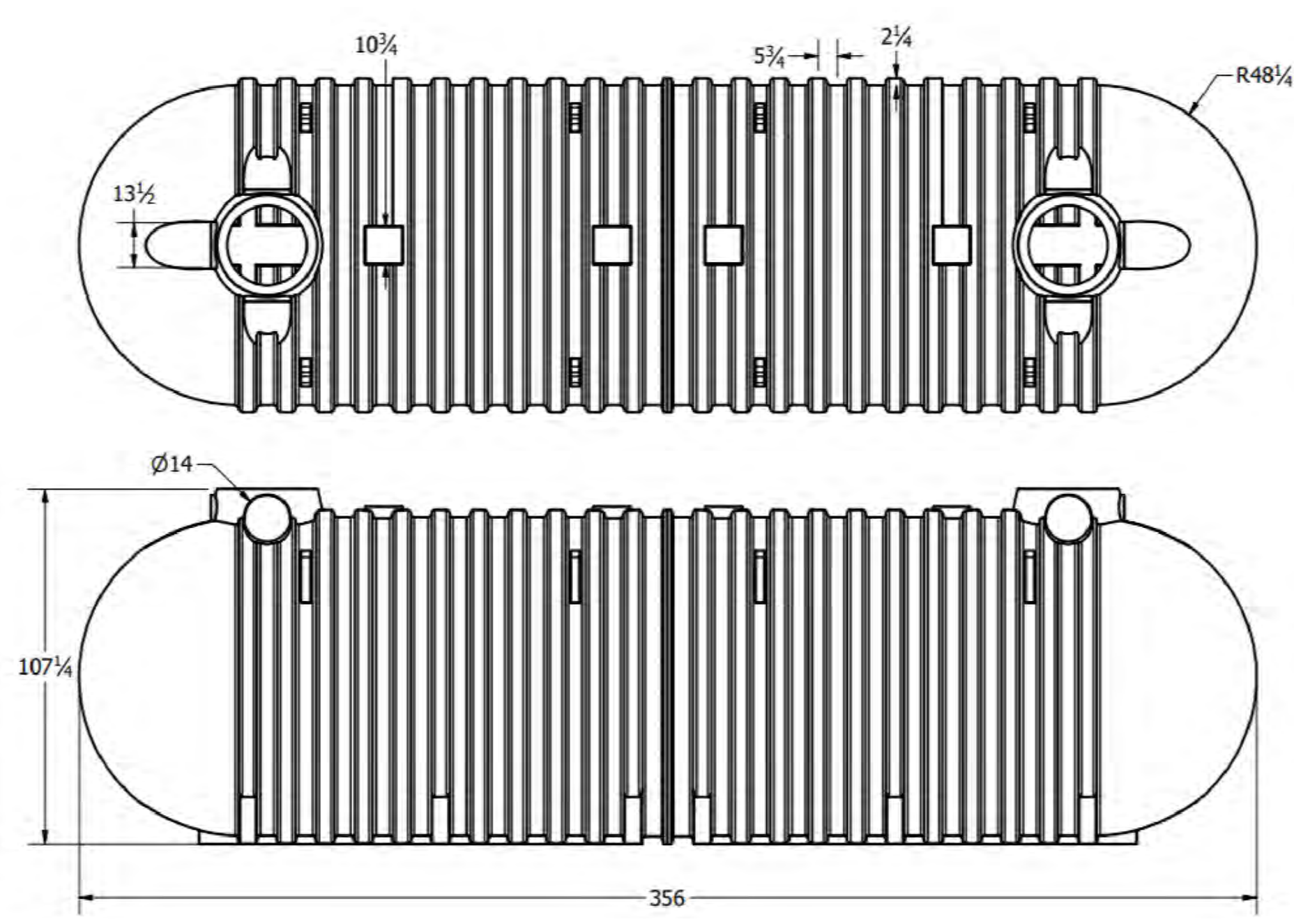
ELEVATION



SECTION

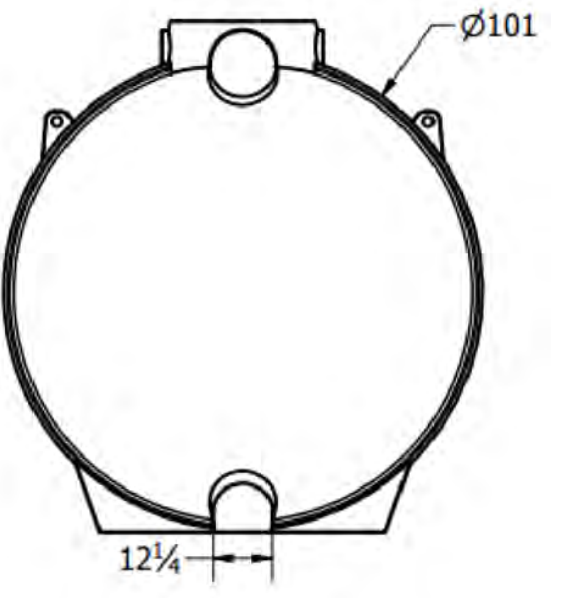
NOTE:
ALL WOOD TO BE PRESSURE TREATED.

WOOD GUIDE RAIL
NOT TO SCALE



10,000 GALLON UNDERGROUND STORAGE TANK
NOT TO SCALE

Material: HDPE
Total Volume: 10,000 US Gallons
Part Weight: TBD
Wall Thickness: .625 in
Max Burial Depth: 24"

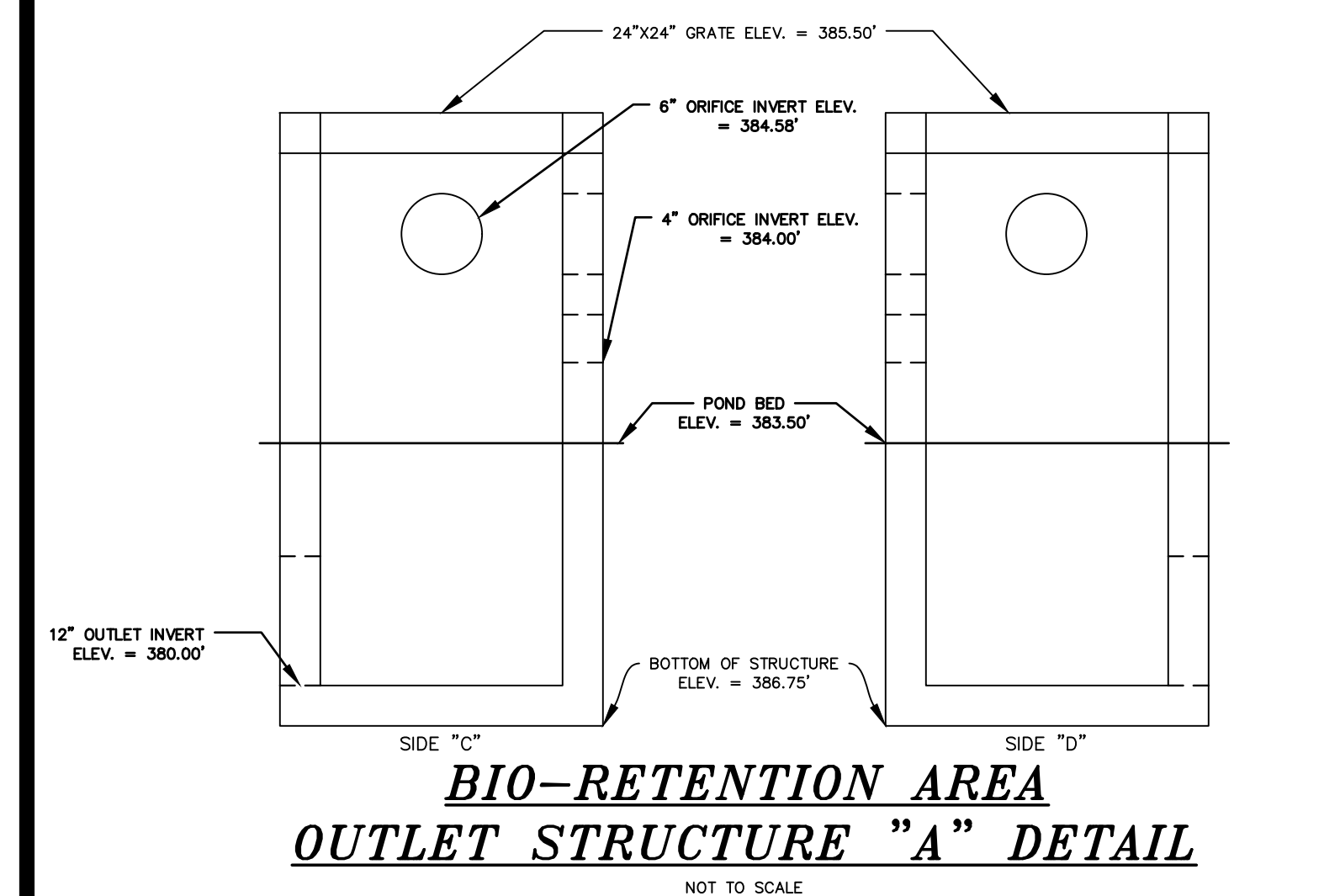
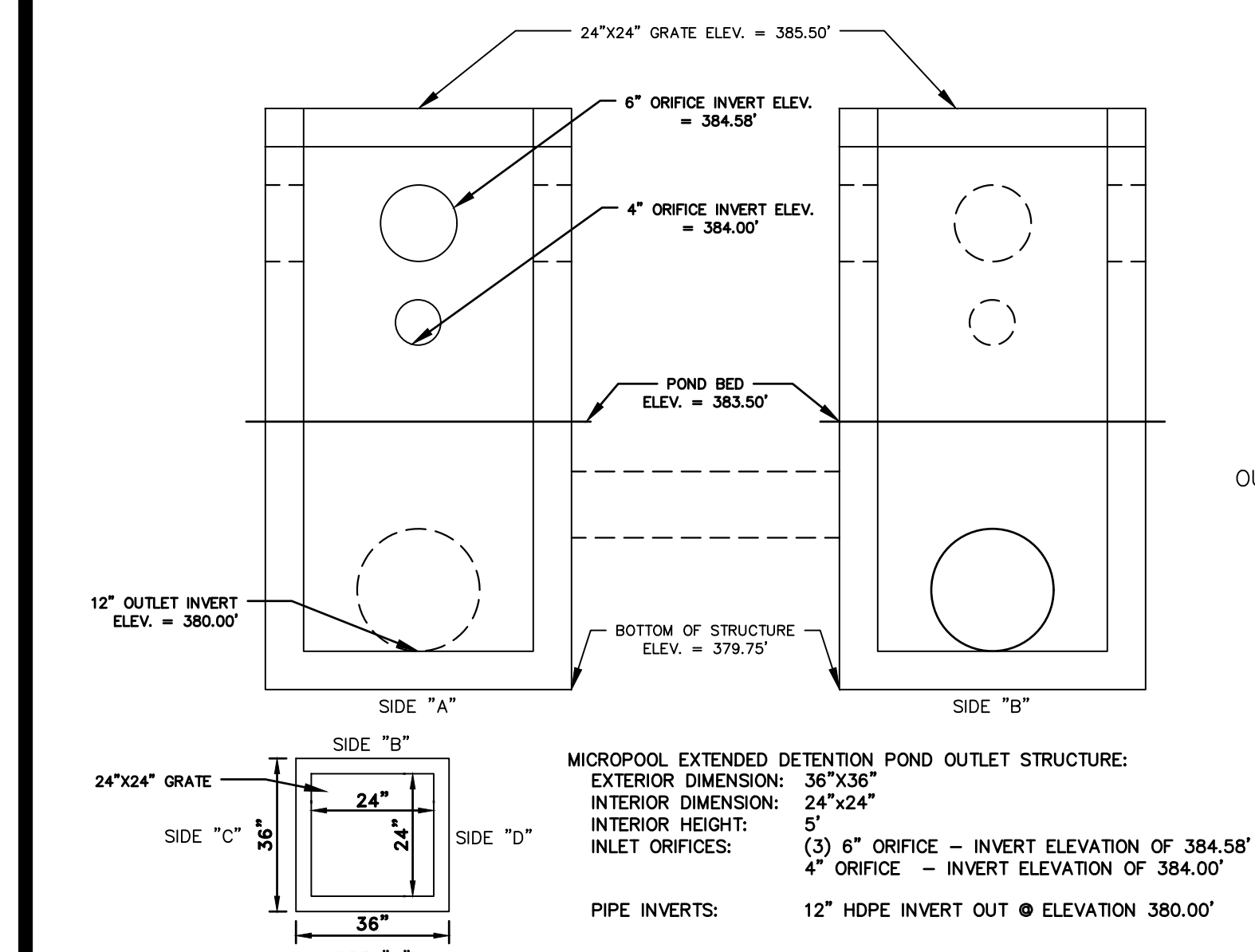


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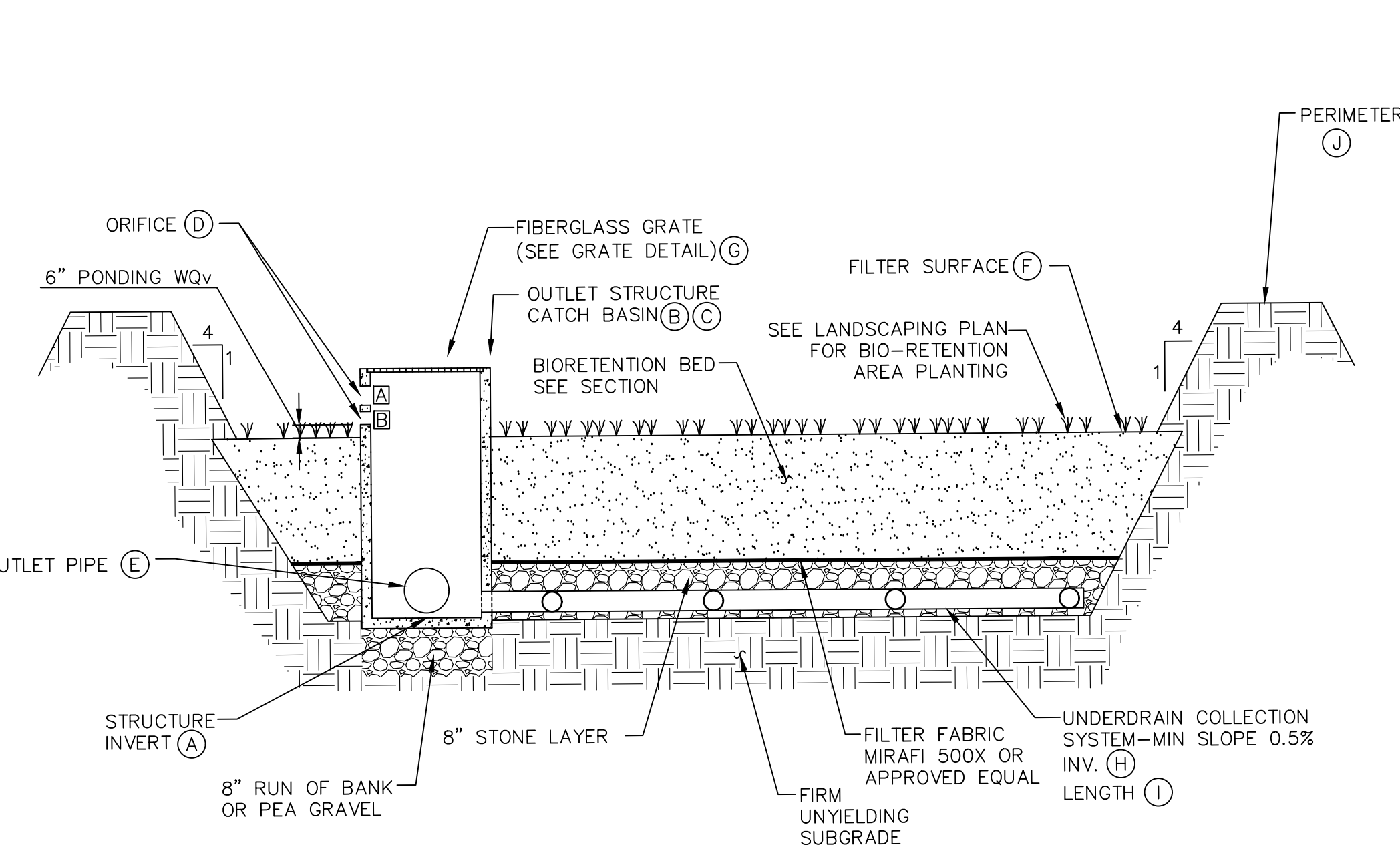
| | | | |
|--|---------------------------------|--|---|
| TOWN OF NEWBURGH SITE PLAN APPROVAL: | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | Date: APRIL 24, 2024 |
| | | | CONSTRUCTION DETAILS 2 PREPARED FOR |
| NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | | Drawn By: JG Checked By: Scale: N.T.S. Tax Map No.: 34-2-34 | Revision: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 |
| | | | Drawing No.: C30 A-24-0059-01 |



BIO-RETENTION AREA OUTLET STRUCTURE "A" DETAIL
NOT TO SCALE
NOTE: GRAY DASHED LINES INDICATE OPENINGS ON OPPOSITE SIDE OF STRUCTURE

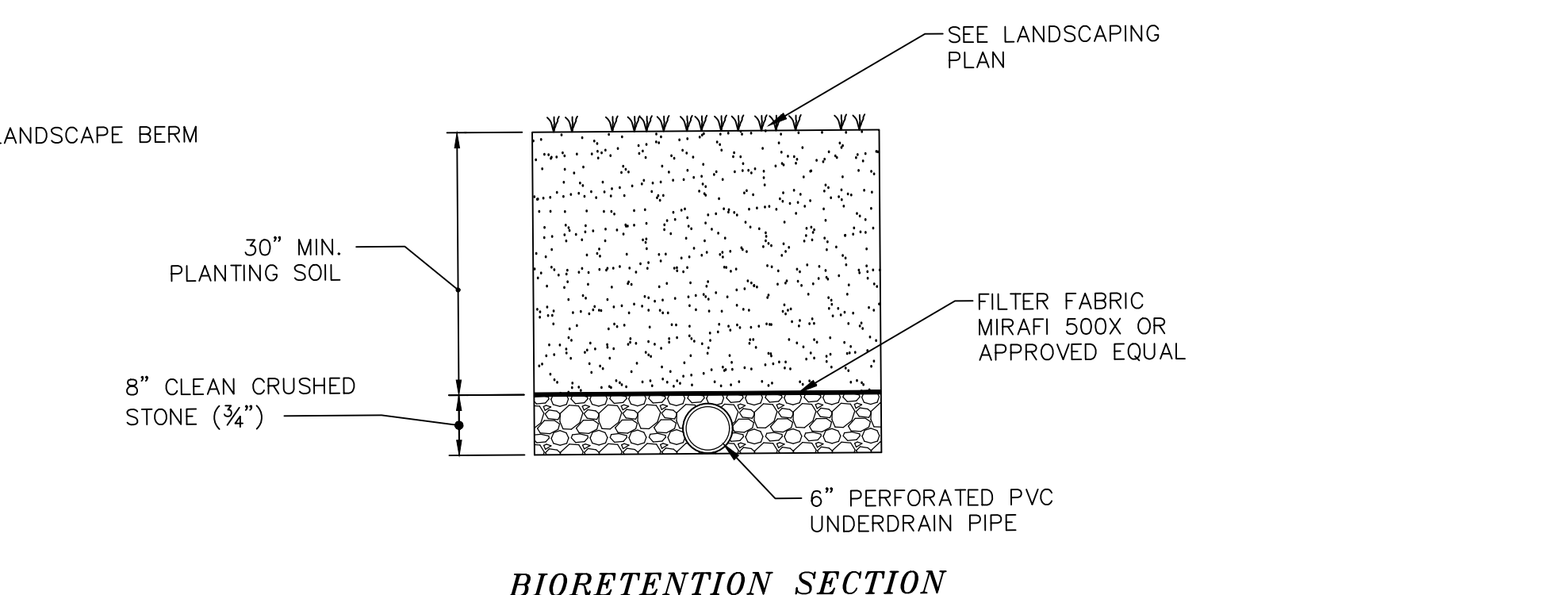


BIO-RETENTION AREA OUTLET STRUCTURE "B" DETAIL
NOT TO SCALE
NOTE: GRAY DASHED LINES INDICATE OPENINGS ON OPPOSITE SIDE OF STRUCTURE



SECTION BIO-RETENTION AREA "A" DETAIL
NOT TO SCALE

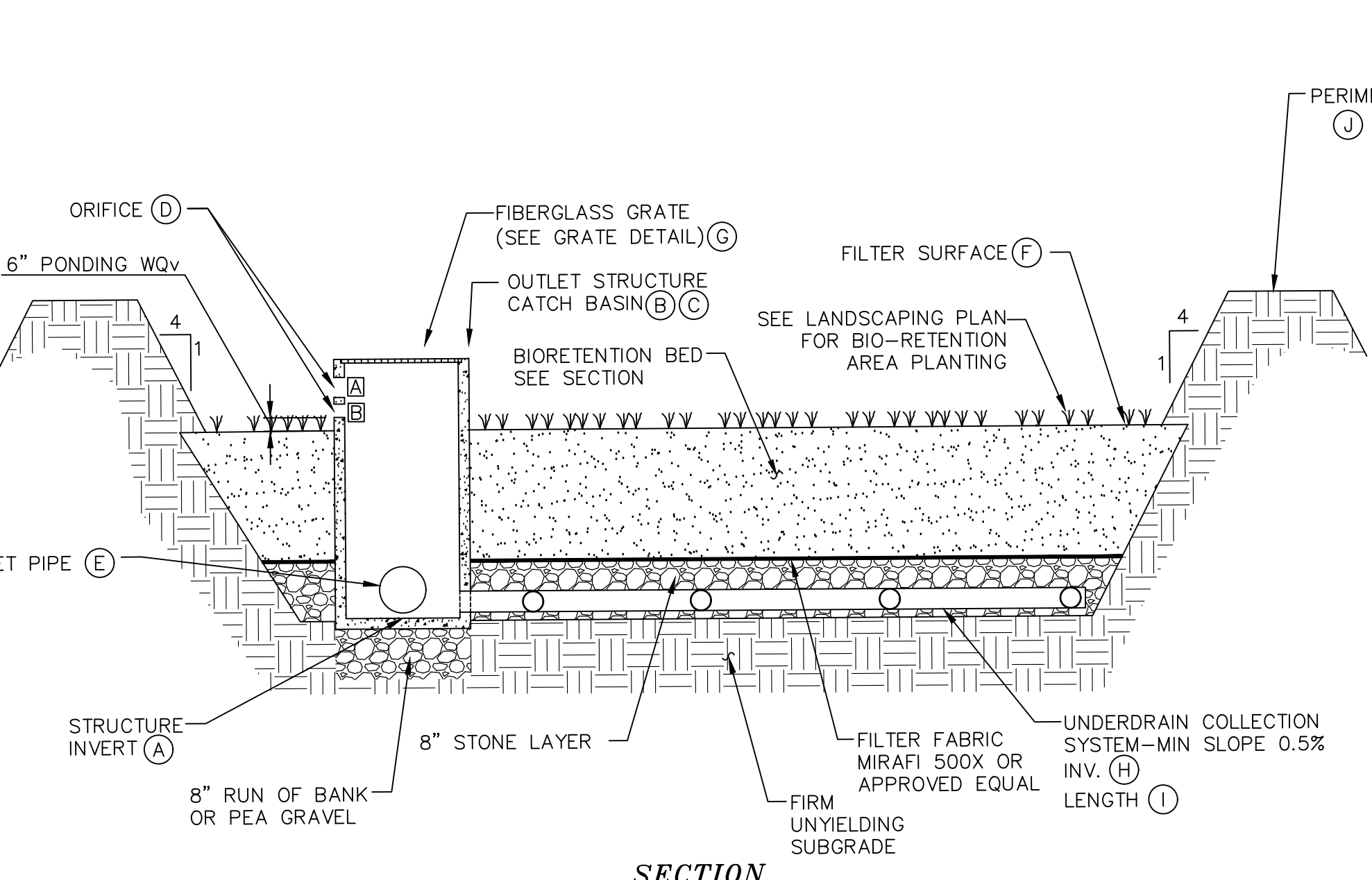
- BIORETENTION AREA MAINTENANCE REQUIREMENTS:**
INSPECTION SHALL BE MADE WEEKLY BY A LICENSED PROFESSIONAL AND AFTER EVERY 1/2" RAINFALL EVENT BY THE OWNER OR CONTRACTOR DURING CONSTRUCTION. DURING THE FIRST GROWING SEASON INSPECTIONS SHALL BE CONDUCTED MONTHLY AND BI ANNUALLY THEREAFTER. THE FOLLOWING TASKS SHALL BE PERFORMED AS NEEDED:
- REMOVAL OF ACCUMULATED SEDIMENT AND CLEANING AND/OR RESTORATION OF THE FILTER BED AREAS WHENEVER ACCUMULATED SEDIMENT REACHES A DEPTH OF 1 INCH.
 - RESTORATION OF ANY DISTURBED PLANT MATERIAL AND ANY ERODED EMBANKMENTS. REPLACEMENT OF PROPOSED PLANTS SHALL OCCUR IF MORE THAN 50% OF THE COVERAGE OF THE FACILITY IS NOT ACHIEVED.
 - REMOVAL OF ACCUMULATED DEBRIS WITHIN THE FILTER BED AREAS AND AT ALL INLET AND OUTFALL STRUCTURES.
 - ANNUAL MOWING (EARLY WINTER) OF THE BASINS. TRIMMING AND PRUNING OF BUSHES. REMOVAL OF ANY FALLEN TREES OR LIMBS.
 - WHEN THE FILTERING CAPACITY OF THE FILTER DIMINISHES SUBSTANTIALLY (I.E., WHEN WATER PONDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 48 HOURS), THE TOP FEW INCHES OF DISCOLORED MATERIAL SHALL BE REMOVED AND SHALL BE REPLACED WITH FRESH MATERIAL. THE REMOVED SEDIMENTS SHALL BE DISPOSED IN AN ACCEPTABLE MANNER (I.E., LANDFILL).
 - REFER TO LANDSCAPING PLANS FOR PLANTING REQUIREMENTS. IF FOR ANY REASON A CONFLICT OF PLANT MATERIAL OR PLANT MAINTENANCE SHOULD OCCUR, THE LANDSCAPE PLANS ARE TO TAKE PRECEDENCE.



BIORETENTION SECTION

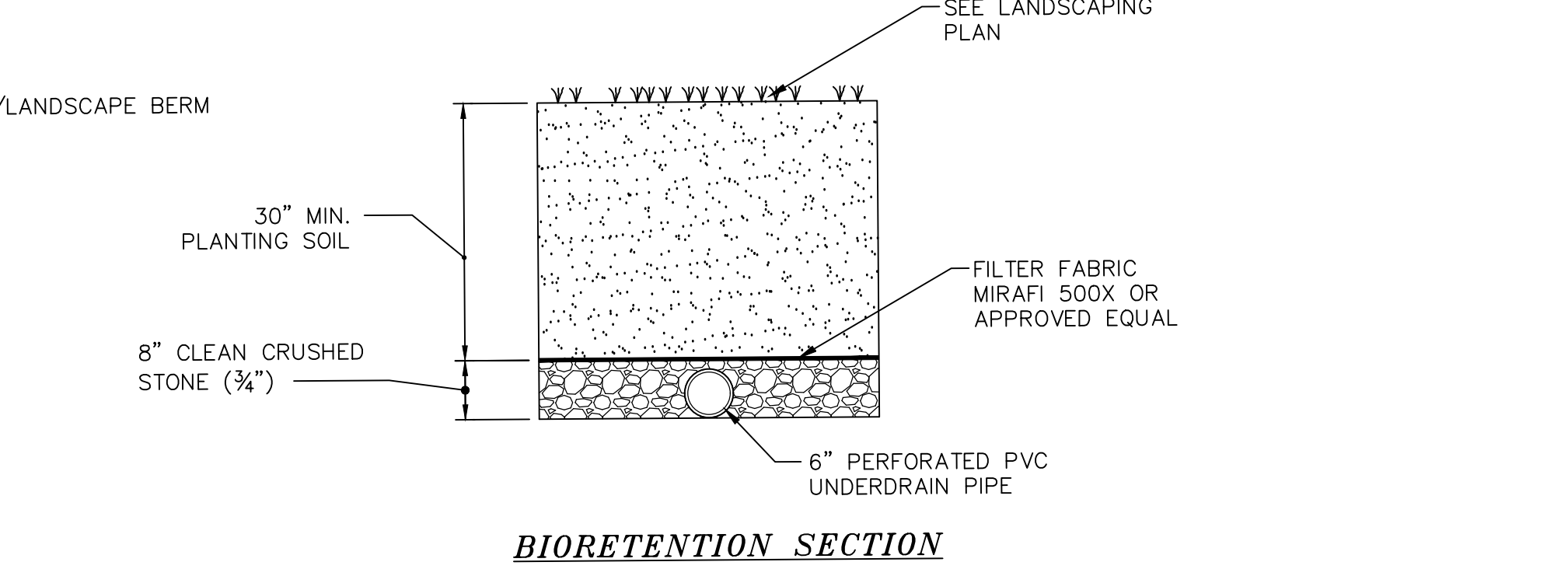
| BIO-RETENTION AREA DATA | | |
|-------------------------|---------------------------------------|--------------------|
| A | INVERT OF OUTLET STRUCTURE | 380.00 |
| B | OUTLET STRUCTURE DIMENSIONS (OUTSIDE) | 36"x36" |
| C | TOP OF STRUCTURE ELEVATION | 385.45 |
| D | ORIFICE [A] SIZE/INVERT ELEVATION | (3) 6" DIA. 384.58 |
| | ORIFICE [B] SIZE/INVERT ELEVATION | 4" DIA. 384.00 |
| E | CULVERT: DIAMETER/INVERT ELEVATION | 12" 380.00 |
| F | FILTER SURFACE ELEVATION | 383.50 |
| G | FIBERGLASS GRATE DIMENSION | 24"x24" |
| H | UNDERDRAIN INVERT ELEVATION | 380.25 |
| I | UNDERDRAIN SYSTEM LENGTH | 90' |
| J | TOP OF PERIMETER BERM | 386.25 |

- PLANTING SOIL NOTES:**
- PLANTING SOIL MIX: 4 PARTS TOPSOIL, 3 PARTS CONCRETE SAND, 1 PART COMPOST
 - LOAMY SAND TOPSOIL: 80% SAND, 10% SILT, 7% CLAY, 3% COMPOST
 - CONCRETE SAND: NYS DOT CONCRETE SAND
 - COMPOST: 50% ORGANIC MATTER
 - A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HR) IS REQUIRED (A CONSERVATIVE VALUE OF 0.5 FEET PER DAY IS USED FOR DESIGN).
 - THE SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. BRUSH OR SEEDS FROM NOXIOUS WEEDS. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12 TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).



SECTION BIO-RETENTION AREA "B" DETAIL
NOT TO SCALE

- BIORETENTION AREA MAINTENANCE REQUIREMENTS:**
INSPECTION SHALL BE MADE WEEKLY BY A LICENSED PROFESSIONAL AND AFTER EVERY 1/2" RAINFALL EVENT BY THE OWNER OR CONTRACTOR DURING CONSTRUCTION. DURING THE FIRST GROWING SEASON INSPECTIONS SHALL BE CONDUCTED MONTHLY AND BI ANNUALLY THEREAFTER. THE FOLLOWING TASKS SHALL BE PERFORMED AS NEEDED:
- REMOVAL OF ACCUMULATED SEDIMENT AND CLEANING AND/OR RESTORATION OF THE FILTER BED AREAS WHENEVER ACCUMULATED SEDIMENT REACHES A DEPTH OF 1 INCH.
 - RESTORATION OF ANY DISTURBED PLANT MATERIAL AND ANY ERODED EMBANKMENTS. REPLACEMENT OF PROPOSED PLANTS SHALL OCCUR IF MORE THAN 50% OF THE COVERAGE OF THE FACILITY IS NOT ACHIEVED.
 - REMOVAL OF ACCUMULATED DEBRIS WITHIN THE FILTER BED AREAS AND AT ALL INLET AND OUTFALL STRUCTURES.
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 - REFER TO LANDSCAPING PLANS FOR PLANTING REQUIREMENTS. IF FOR ANY REASON A CONFLICT OF PLANT MATERIAL OR PLANT MAINTENANCE SHOULD OCCUR, THE LANDSCAPE PLANS ARE TO TAKE PRECEDENCE.



BIORETENTION SECTION

| BIO-RETENTION AREA DATA | | |
|-------------------------|---------------------------------------|------------------|
| A | INVERT OF OUTLET STRUCTURE | 379.25 |
| B | OUTLET STRUCTURE DIMENSIONS (OUTSIDE) | 36"x36" |
| C | TOP OF STRUCTURE ELEVATION | 384.25 |
| D | ORIFICE [A] SIZE/INVERT ELEVATION | 4" DIA. 384.50 |
| | ORIFICE [B] SIZE/INVERT ELEVATION | 4" DIA. 383.50 |
| E | CULVERT: DIAMETER/INVERT ELEVATION | 12" 379.25 |
| F | FILTER SURFACE ELEVATION | 382.50 |
| G | FIBERGLASS GRATE DIMENSION | 24"x24" |
| H | UNDERDRAIN INVERT ELEVATION | 379.25 |
| I | UNDERDRAIN SYSTEM LENGTH | 150' (80' + 70') |
| J | TOP OF PERIMETER BERM | 386.25 |

- PLANTING SOIL NOTES:**
- PLANTING SOIL MIX: 4 PARTS TOPSOIL, 3 PARTS CONCRETE SAND, 1 PART COMPOST
 - LOAMY SAND TOPSOIL: 80% SAND, 10% SILT, 7% CLAY, 3% COMPOST
 - CONCRETE SAND: NYS DOT CONCRETE SAND
 - COMPOST: 50% ORGANIC MATTER
 - A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HR) IS REQUIRED (A CONSERVATIVE VALUE OF 0.5 FEET PER DAY IS USED FOR DESIGN).
 - THE SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. BRUSH OR SEEDS FROM NOXIOUS WEEDS. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12 TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).



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| TOWN OF NEWBURGH SITE PLAN APPROVAL: | Engineering and Surveying, P.C. | P.O. Box 687, Rt. 207 Goshen, N.Y. 10924 (845) 294-3700 | Date: APRIL 24, 2024 Revision: OCTOBER 27, 2024 NOVEMBER 15, 2024 NOVEMBER 24, 2024 JANUARY 14, 2025 CDD File: 24000-Site Plan.DWG Layout: DETAILS 2 Sheet No.: 15 OF 15 Drawing No.: 34 - 2 - 34 A- 24 - 0059 - 01 |
| CONSTRUCTION DETAILS 3 PREPARED FOR | | NEWBURGH ELITE STORAGE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK | |