

PARKING REQUIREMENTS

WAREHOUSE	10,000 S.F. @ 1 SPACE PER 1,500 SQUARE FEET	7 SPACES
	262,564 S.F. @ 1 SPACE PER 9,000 SQUARE FEET	51 SPACES
OFFICE / RESEARCH	8,000 S.F. @ 1 SPACE PER 300 SQUARE FEET	27 SPACES
	TOTAL REQUIRED	85 SPACES
	PROVIDED	86 SPACES

BULK REQUIREMENTS

TOWN OF WALKILL - ZONING DISTRICT O/R
PROPOSED USE: DISTRIBUTION CENTER (USE \$249-27.1E)

MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 2
LOT AREA	40,000 SF	909,334± SF
LOT WIDTH	150 FEET	816.8 FEET
LOT DEPTH	200 FEET	841.9 FEET
FRONT YARD	50 FEET	53.4 FEET
REAR YARD	50 FEET	156.9 FEET
SIDE YARD (ONE/BOTH)	20/40 FEET ¹	58.3/113.5 FEET

MAXIMUM ALLOWABLE

MAXIMUM BUILDING HEIGHT	35 FT. ²	45 FT.
MAXIMUM LOT COVERAGE (BUILDINGS)	40 %	29.7± %
MAXIMUM IMPERVIOUS COVERAGE	60 %	50.4± %

¹ 20 FEET OR EQUAL TO THE HEIGHT OF THE BUILDING, WHICHEVER IS GREATER.

² MAXIMUM BUILDING HEIGHT: A VARIANCE HAS BEEN GRANTED FOR A TOTAL HEIGHT OF 45 FEET.

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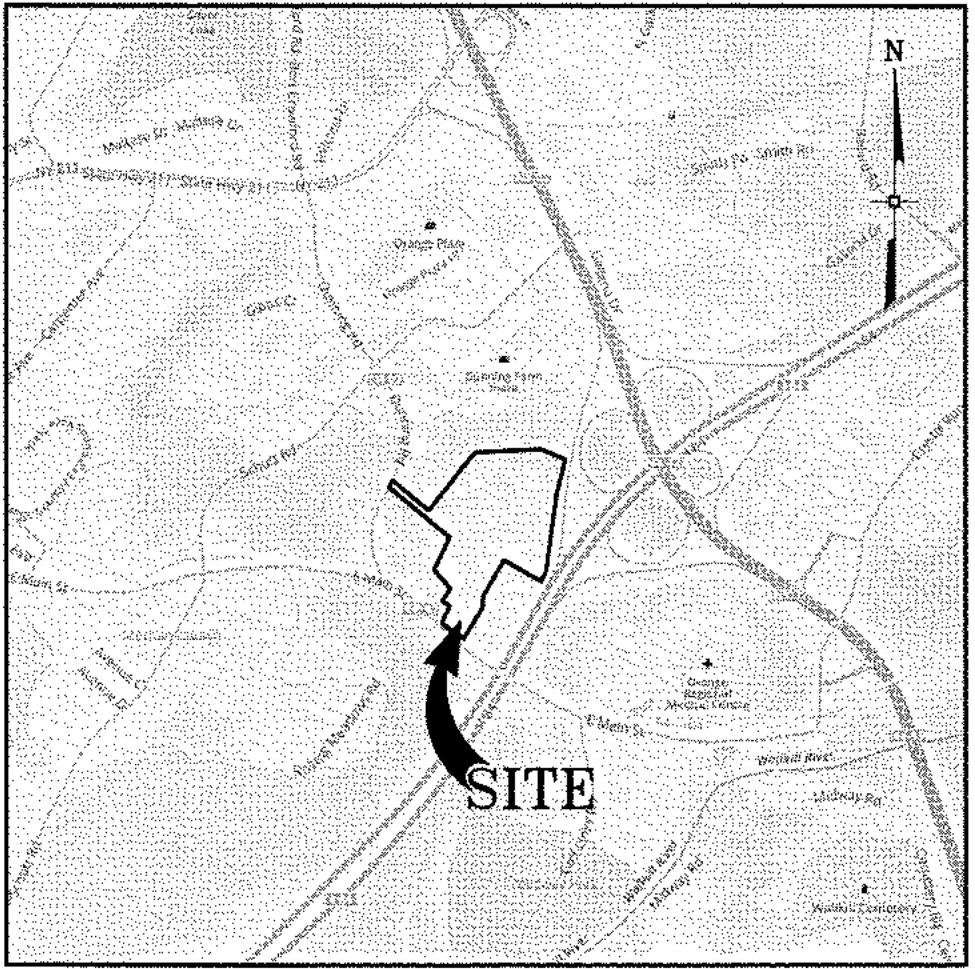
PLANS BY OTHERS

RETAINING WALL DESIGN PLANS BY FRENCH & PARRELO ASSOCIATES

DRAWING #	TITLE	SHEET #
1 OF 5	COVER SHEET	23
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GENERAL NOTES

- TAX MAP IDENTIFICATION NUMBER 78-1-94.1
- BOUNDARY AND TOPOGRAPHICAL INFORMATION TAKEN FROM A MAP "COMMERCIAL REALTY SUBDIVISION & LOT LINE CHANGE PLAN" BY ENGINEERING & SURVEYING PROPERTIES, PC DATED JULY 2, 2019.
- THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-PLATTED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 SOURCE LIDAR. THE DEMS WERE PROVIDED BY NYS GIS GOV AND CORRESPOND TO ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD.
- OWNER/APPLICANT: 599 E MAIN PROJECT, LLC
86 ROUTE 59
SPRING VALLEY, NY 10977
- THE WETLAND FLAGS AND BOUNDARIES SHOWN HEREON ARE THE RESULT OF AN ACTUAL FIELD DELINEATION PERFORMED BY PETER D. TORGENSEN ON SEPTEMBER 2019, AND OPS LOCATED BY ENGINEERING & SURVEYING PROPERTIES, PC ON SEPTEMBER 2019, AND FILED VERIFIED BY BRIAN ORZEL FROM ARMY CORPS OF ENGINEERS ON DECEMBER 10, 2019.
- A RESOLUTION OF THE TOWN BOARD OF THE TOWN OF WALKILL PURSUANT TO TOWN CODE §249-28.2(C)(13) AND (14) IN SUPPORT OF THE APPLICATION TO APPLY TO THE TOWN PLANNING BOARD FOR A SPECIAL USE PERMIT TO CONSTRUCT A WAREHOUSE/DISTRIBUTION FACILITY OF 300,000 SF IN SIZE WITHIN THE TOWN WAS ADOPTED AUGUST 22, 2019.
- THIS PROJECT HAS INDICATED THE INTENTION TO PROVIDE ADEQUATE FIRE FLOW BY THE PROPOSED INSTALLATION OF SPRINKLER SYSTEMS MEETING NFPA REQUIREMENTS, AND IS THEREFORE, CONSIDERED EXEMPT FROM THE NEEDED FIRE FLOW GUIDELINES OF THE INSURANCE SERVICES OFFICE (ISO). THE PROPOSED SPRINKLER SYSTEM DESIGN HAS NOT BEEN EVALUATED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH FOR COMPLIANCE WITH NFPA REQUIREMENTS.
- A NATION WIDE PERMIT FROM THE ARMY CORPS OF ENGINEERS SHALL BE OBTAINED WITH A COPY PROVIDED TO THE TOWN OF WALKILL BUILDING DEPARTMENT PRIOR TO ANY DISTURBANCE WITHIN THE FEDERALLY REGULATED WETLANDS.
- ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON DEVELOPMENT FACTS AND ANY REGULATIONS, OR GUIDANCE, IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
- DIG SAFELY NEW YORK MUST BE CONTACTED PRIOR TO ANY EXCAVATION OR DEMOLITION (DIAL 811 OR WWW.DIGSAFELYNEWYORK.COM).
- MAINTENANCE OF ALL SWALES AND CULVERTS SHALL BE COMPLETED REGULARLY TO PREVENT ANY BUILDUP OF DEBRIS AND/OR RESTRICTION OF FLOW AS NOT CAUSE ANY UNNECESSARY FLOODING.



LOCATION MAP

SCALE: 1"=2000'

NO.	DATE	DESCRIPTION
2	24/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
7	04/21/21	REVISED PER MHE COMMENTS
8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACDE COMMENTS
13	11/23/21	REVISED PER ACDE COMMENTS
14	12/14/21	REVISED PER OCDOH COMMENTS
15	02/22/22	REVISED PER OCDOH COMMENTS
16	07/11/22	REVISED PER MHE COMMENTS
17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS	ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	05/08/2023
1 OF 22	SHEET NUMBER
☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	1 OF 22
☐ OCDOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☐ OCDOH WATERMAIN EXTENSION APPROVAL	1 OF 9
☒ NYSDEC APPROVAL	1 OF 22
☐ NYSDOT APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

1 inch = 100 ft.

ENGINEERING & SURVEYING PROPERTIES
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MONTGOMERY, NY 12549
Ph: (845) 457-7727
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OVERALL SITE PLAN

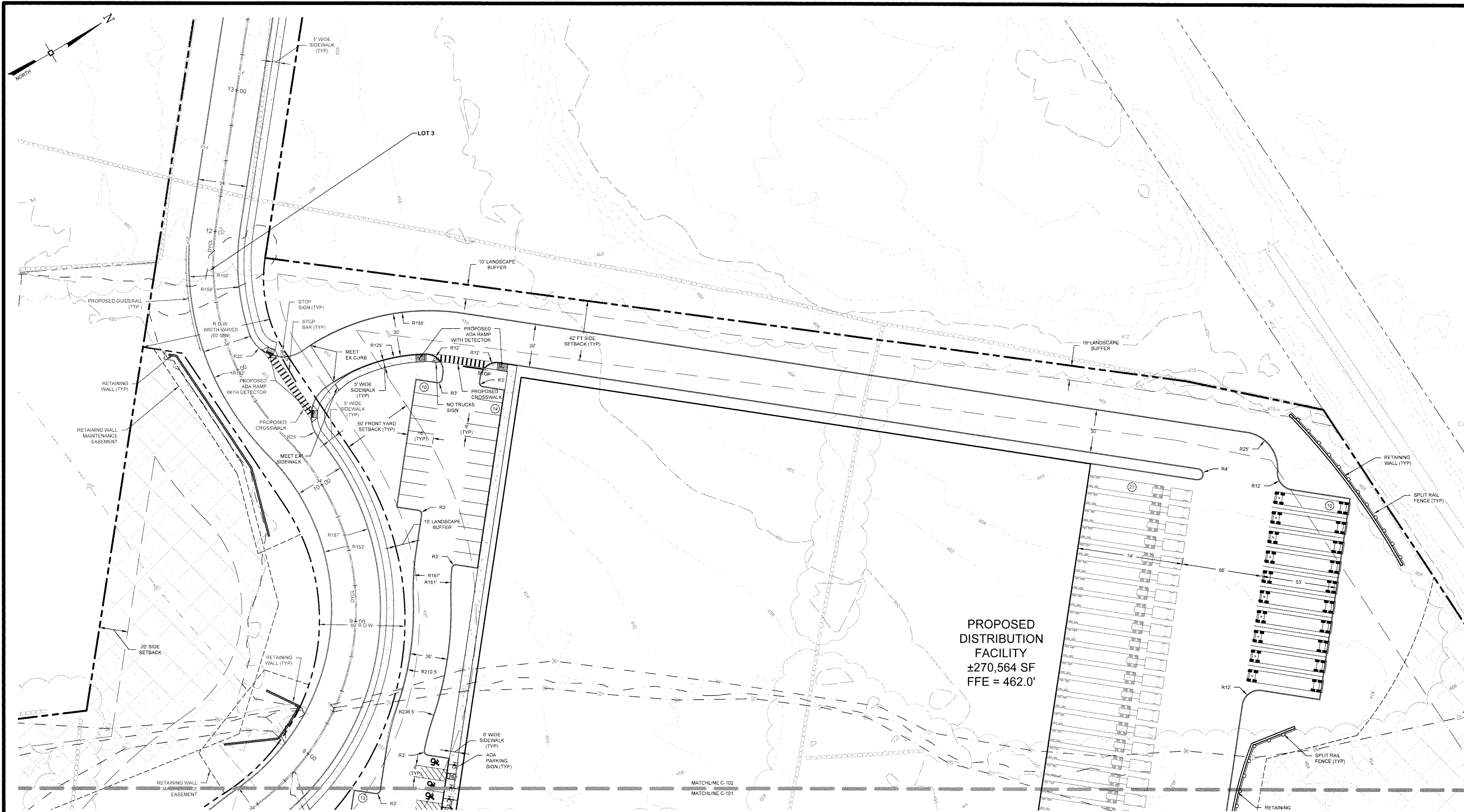
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=100'
TAX LOT: 78-1-94.1

C-100

TOWN OF WALKILL PB SHEET 1 OF 27



TOWN OF WALLKILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 6-8-23
Cathy W. Lake
CATHY W. LAKE
CHAIRMAN

No.	DATE	DESCRIPTION
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☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	3	OF	22
☐ OCCDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OCCDH WATERMAIN EXTENSION APPROVAL	N/A	OF	9
☒ NYSDOT APPROVAL	3	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A
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NEW YORK LICENSE # 080023

1 inch = 30 ft.

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71 CLINTON STREET
MONTGOMERY, NY 12549
PH: (845) 457-7727
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SITE PLAN

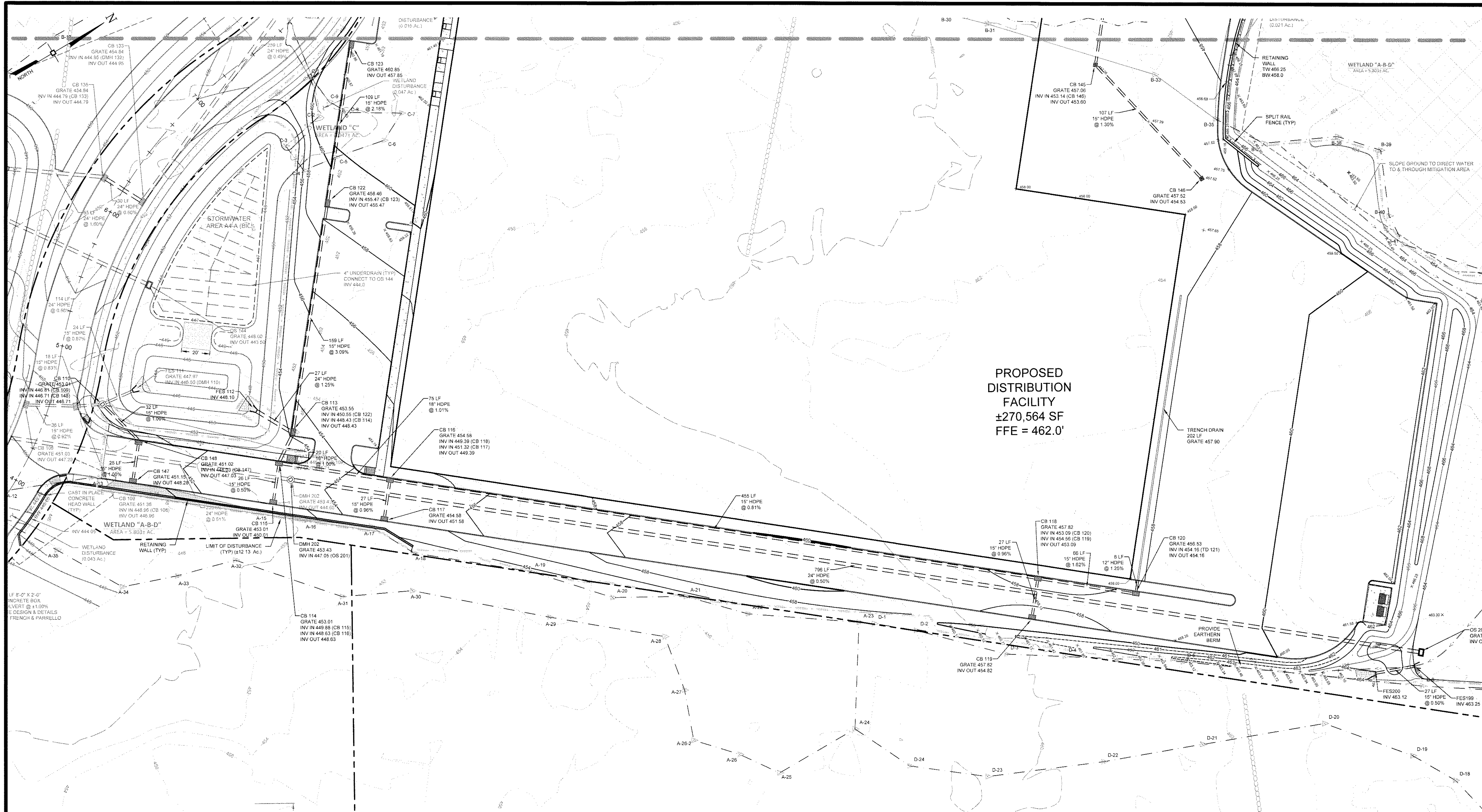
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599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1" = 30'
TAX LOT: 78-1-94.1

C-102

TOWN OF WALLKILL PB SHEET 3 OF 27



PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

1" = 30' X 2'-0"
CONCRETE BOX
VERT @ ±1.00%
DESIGN & DETAILS
FRENCH & PARRELLO

TOWN OF WALLKILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Adm'n Approval
DATE 12-8-23
GARY W. LAKE
CHAIRMAN

No.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
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THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		05/08/2023	
	SHEET NUMBER		
☐ CONCEPT APPROVAL	N/A OF N/A	☐ PLANNING BOARD APPROVAL	4 OF 22
☒ OCCDH REALTY SUBDIVISION APPROVAL	N/A OF N/A	☐ NYSDOT APPROVAL	N/A OF N/A
☒ OCCDH WATERMAIN EXTENSION APPROVAL	2 OF 9	☐ OTHER	N/A OF 2
☒ NYSDOC APPROVAL	4 OF 22	☐ FOR BID	N/A OF N/A
☐ NYSDOT APPROVAL	N/A OF N/A	☐ FOR CONSTRUCTION	N/A OF N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

1 inch = 30 ft.

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GRADING & DRAINAGE PLAN

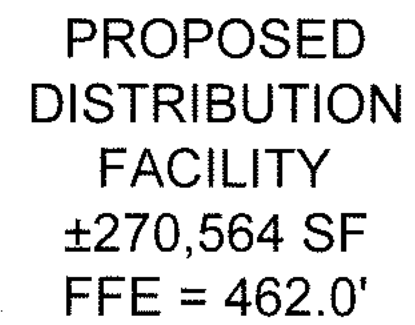
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ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-103

TOWN OF WALLKILL PB SHEET 4 OF 27

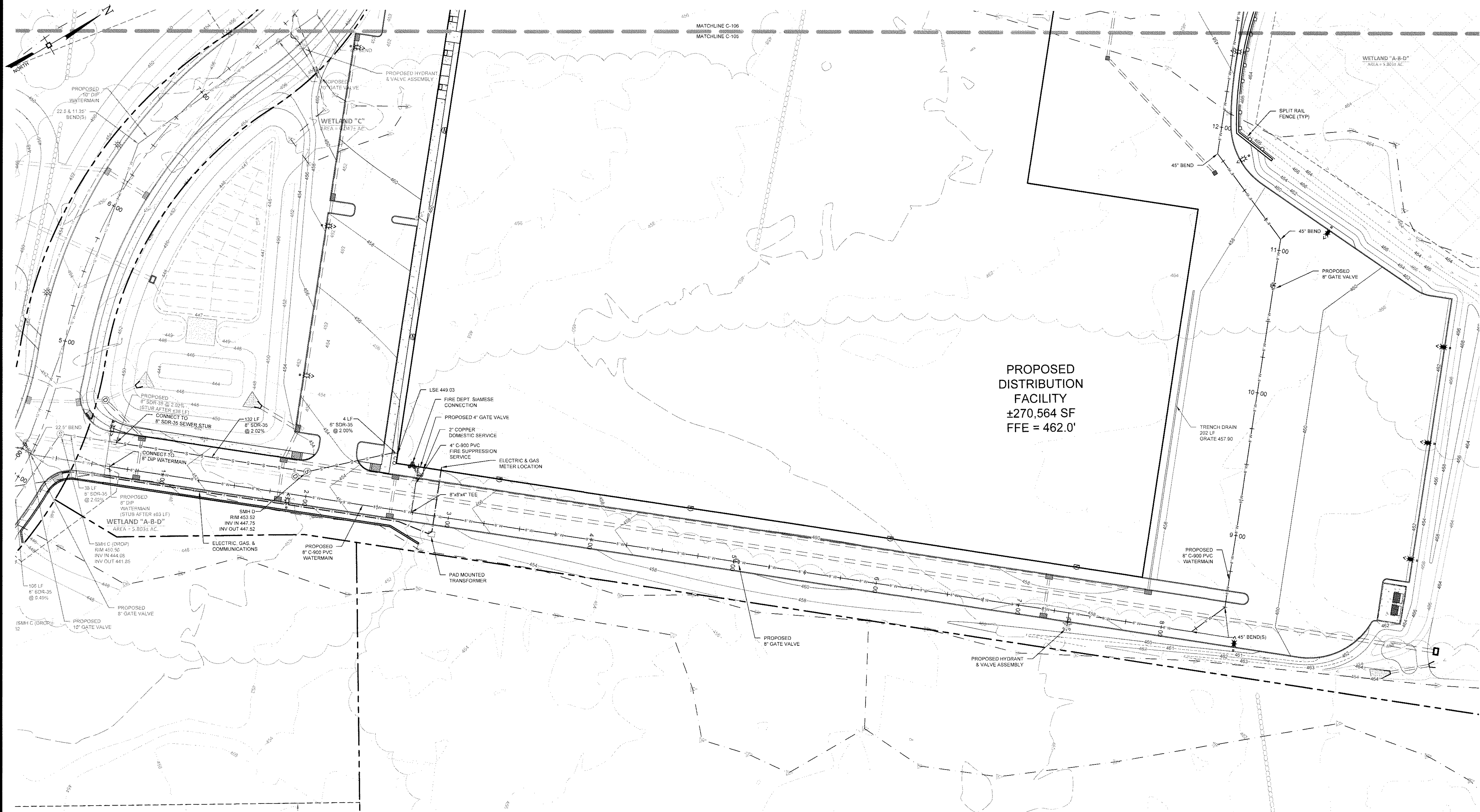


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☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	5	OF	22
☐ OGDH REARLY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OGDH WATERMAIN EXTENSION APPROVAL	3	OF	9
☒ NYSDC APPROVAL	5	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A
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Z:\SND-554 - NOM\Site Plan - Amended.cwg
 Date Printed: May 04, 2023, 2:53pm



PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 12-8-23
Gary W. Lake
GARY W. LAKE
CHAIRMAN

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12	11/08/21	REVISED PER ACOE COMMENTS
13	11/23/21	REVISED PER ACOE COMMENTS
14	12/14/21	REVISED PER OCCDH COMMENTS
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☐ CONCEPT APPROVAL	N/A OF N/A	☐ PLANNING BOARD APPROVAL	6 OF 22
☐ OCCDH REALTY SUBDIVISION APPROVAL	N/A OF N/A	☒ OCCDH WATERMAIN EXTENSION APPROVAL	4 OF 9
☒ NYSDEC APPROVAL	6 OF 22	☐ NYSDOT APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2	☐ FOR BID	N/A OF N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

30 0 15 30 60
1 inch = 30 ft.

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UTILITY PLAN

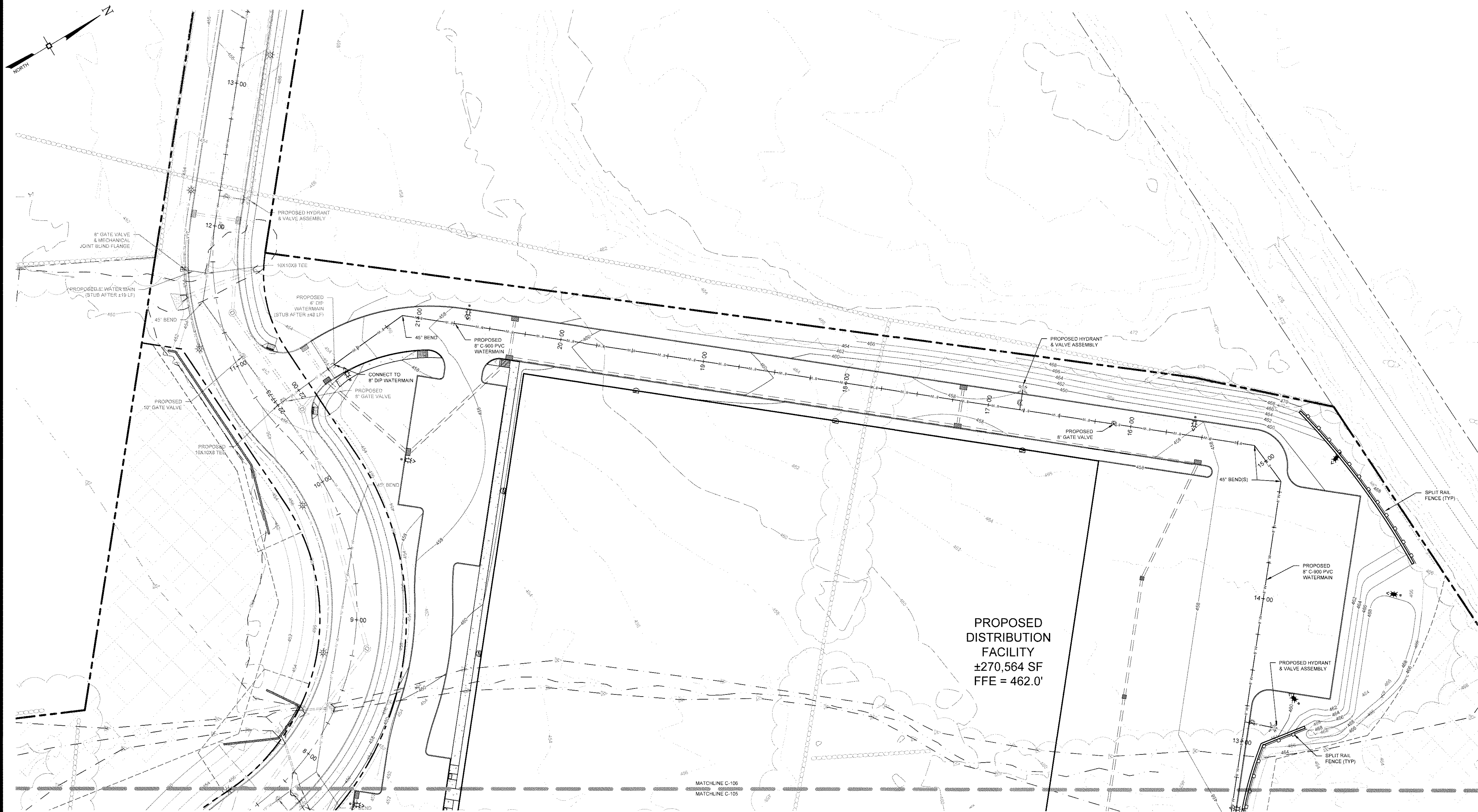
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ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 22 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-105

TOWN OF WALL KILL PB SHEET 6 OF 27



PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 6-6-23
GARY W. LAKE
CHAIRMAN

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1 inch = 30 ft.

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UTILITY PLAN

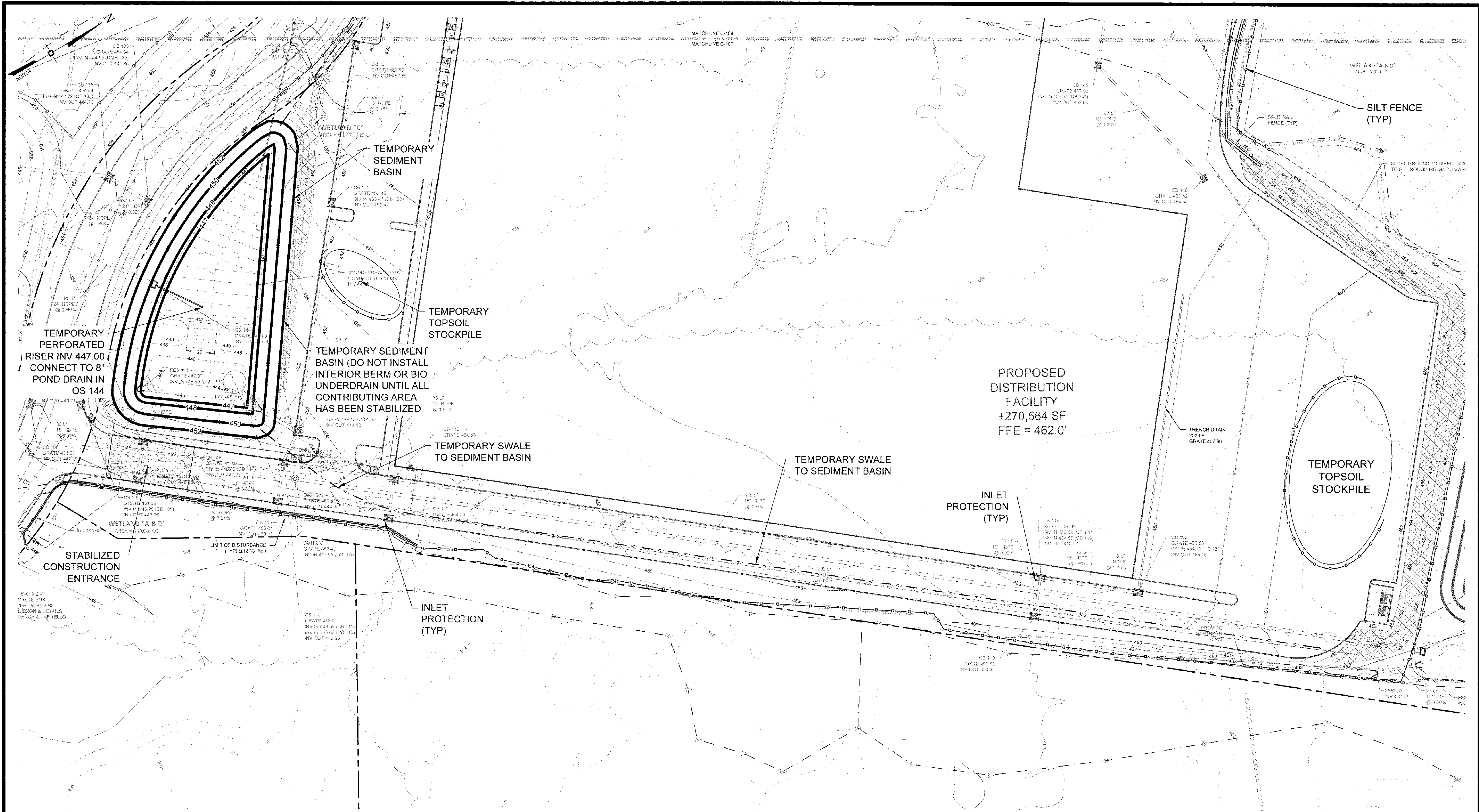
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-106

TOWN OF WALLKILL PB SHEET 7 OF 27



TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 6-1-23
GARY W. LAKE
CHAIRMAN

No.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	05/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
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7	04/21/21	REVISED PER MHE COMMENTS
8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACOE COMMENTS
13	11/23/21	REVISED PER ACOE COMMENTS
14	12/14/21	REVISED PER OCCDH COMMENTS
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17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS	ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	05/08/2023
☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	8 OF 22
☐ OCCDH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☒ OCCDH WATERMAIN EXTENSION APPROVAL	6 OF 9
☒ NYSDEC APPROVAL	8 OF 22
☐ NYSDOT APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

30 0 15 30 60
1 inch = 30 ft.

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EROSION CONTROL PLAN

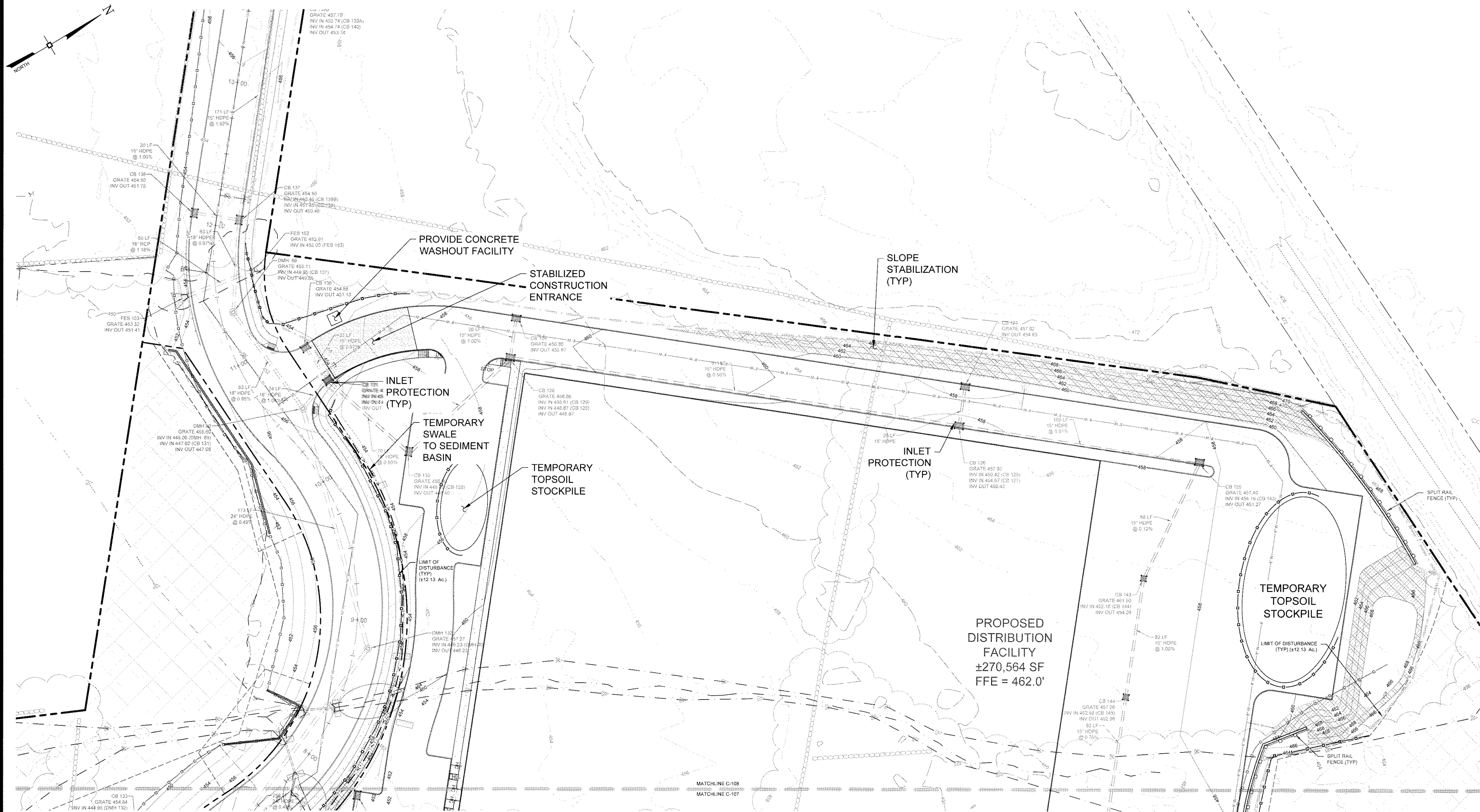
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ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-107

TOWN OF WALLKILL PB SHEET 8 OF 27



TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 6-8-23
GARY W. LAKE
CHAIRMAN

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☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	9 OF 22
☐ OCCDH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☒ OCCDH WATERMAIN EXTENSION APPROVAL	7 OF 9
☒ NYSDOT APPROVAL	9 OF 22
☐ NYSDOT APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A

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1 inch = 30 ft.

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MONTGOMERY, NY 12549
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EROSION CONTROL PLAN

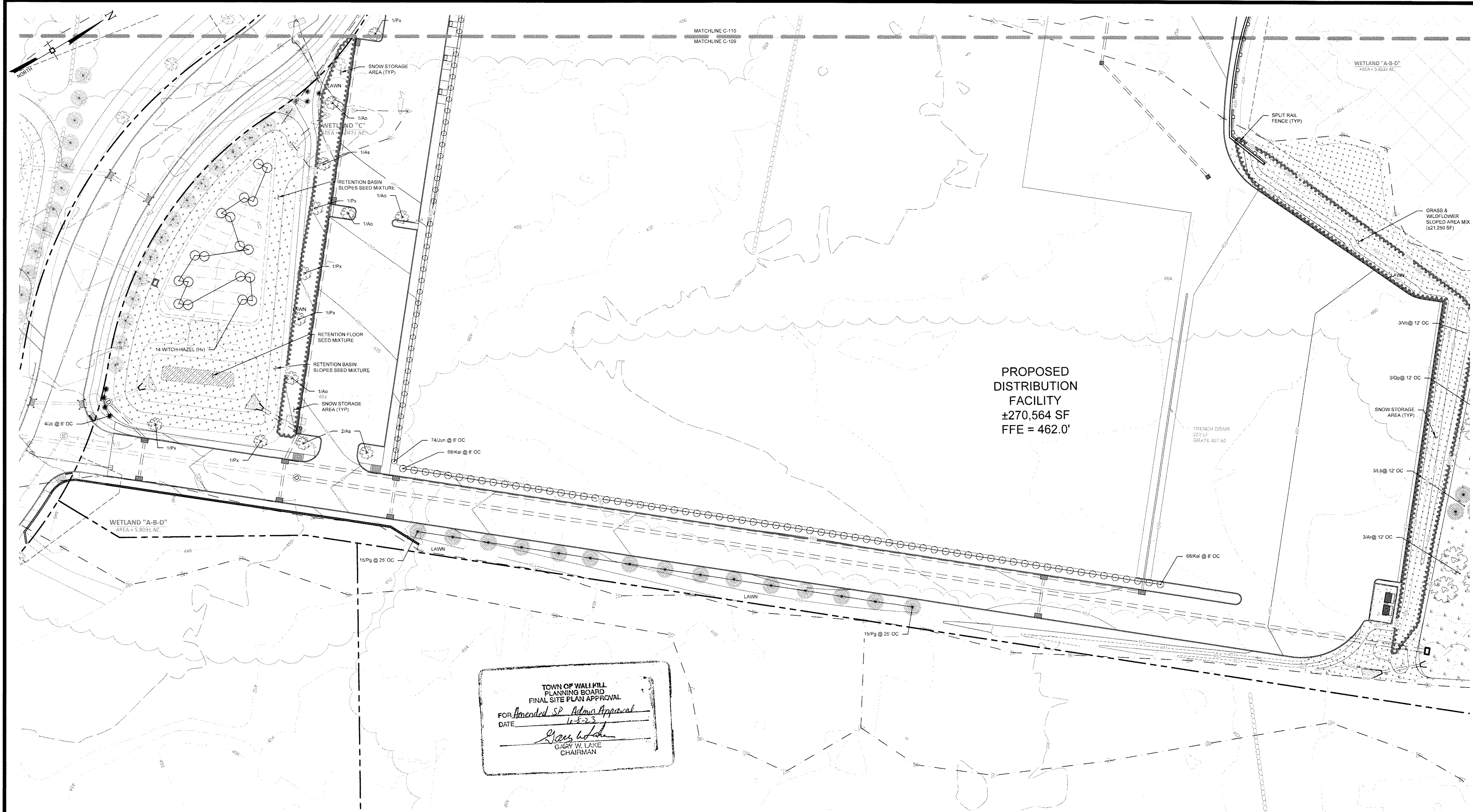
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DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-108

TOWN OF WALLKILL PB SHEET 9 OF 27



SEED MIXTURES

SYM	SEED MIXTURE AND RATE
LAWN	LAWN SPECIES: FESTUCA RUBRA, CREEPING RED FESCUE, 30%, POA PRATENSIS, KENTUCKY BLUE GRASS, 50%, LOLIUM MULTIFLORUM, ANNUAL RYE, 10%, LOLIUM PERENNE, PERENNIAL RYE, 10%. SEEDING RATE: 4-5 LBS PER 1000 SQUARE FEET
RETENTION FLOOR	RETENTION BASIN FLOOR SEED MIX SPECIES LIST: AGROSTIS ALBA (RETOP), AGROSTIS PERENNANS (AUTUMN BENTGRASS), AGROSTIS SCABRA (TICKLEGRASS ROUGH BENTGRASS), AGROSTIS STOLONIFERA (CREEPING BENTGRASS), CAREX VULPINOIDEA (FOX SEDGE), ELYMUS VIRGINICUS (VIRGINIA WILD RYE), POA PALUSTRIS (FOWL BLUEGRASS), PUCCINELLIA DISTANS (ALKALI GRASS). SEED RATE: 20 LBS PER ACRE OR 1/2-1 LB PER 1000 SQUARE FEET
RETENTION BASIN SLOPES	SEASONALLY FLOODED AREA ANNUAL & PERENNIAL WILDLIFE FOOD MIX SPECIES: AGROSTIS PERENNANS (AUTUMN BENTGRASS), BROMUS ALTISSIMUS (WILD BROME GRASS), CAREX INTUMESCENS (BLADDER SEDGE), CAREX SCOPARIA (BLUNT BROOM SEDGE), CAREX STIPATA (AWL SEDGE), CAREX VULPINOIDEA (FOX SEDGE), DESMODIUM CANADENSE (SHOWY TICK TREFOLI), ECHINOCHOA CRUSGALLI FRUMENTACEA (JAPANESE MILLET), ELYMUS VIRGINICUS (VIRGINIA WILD RYE), HELIOPSIS HELIANTHOIDES (OX EYE SUNFLOWER), JUNCUS TENUIS (PATH RUSH), PANICUM GLANDISTRINUM (DEER TONGUE), PANICUM VIGATUM (SWITCHGRASS). SEEDING RATE: 15 LBS PER ACRE OR 1/3 - 1/2 LBS PER 1000 SQUARE FEET

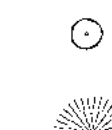
NOTE: SEE MIXTURES BY ERNST CONSERVATION SEEDS. WWW.ERNSTSEED.COM

PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
Px	23	Prunus x Yedoensis	Yoshino Cherry	2-1/2" - 3" c	B&B
Pg	30	Picea Glauca	White Spruce	7'-8' hgt	B&B
Ts	44	Thuja Standishii x Piccata "Green Giant"	Green Giant Arborvitae	6'-7' hgt	B&B
As	20	Acer Saccharum	Sugar Maple	3" - 3-1/2" c	B&B
As	25	Acer Rubrum (October Glory)	October Glory Red Maple	3" - 3-1/2" c	B&B
Ig	12	Ilex Glabra	Shamrock Inkberry Holly	30" - 34"	B&B
As	15	Amelanchier Canadensis	Shadblow Serviceberry	30" - 34"	B&B
SHRUBS					
Ba	18	Buxus sempervirens	English Boxwood	30"-34"	B&B
Jc	4	Juniperus Chinensis "Gold Coast"	Gold Coast Juniper	30"-34"	Container
Sj	5	Soraea Japonica	Little Princess Sprague	24"-30"	Container
Jun	74	Juniperus Horizontalis	Creeeping Juniper	24"-30"	Pot
Ile	61	Ilex Glabra	Compact Inkberry	24"-30"	Pot
Kal	68	Kalmia latifolia	Mountain Laurel	24"-30"	Pot
Hv	14	Hamamelis virginiana	Witch-Hazel	43" - 45"	Container



DECIDUOUS TREE



DECIDUOUS SHRUB



EVERGREEN TREE



EVERGREEN SHRUB

No.	DATE	DESCRIPTION
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19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS	ISSUE DATE: 05/08/2023
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER
☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	10 OF 22
☐ OCCOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☐ OCCOH WATERMAIN EXTENSION APPROVAL	N/A OF 9
☒ NYSDEC APPROVAL	10 OF 22
☐ NYSDEC APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A
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30 0 15 30 60
1 inch = 30 ft.

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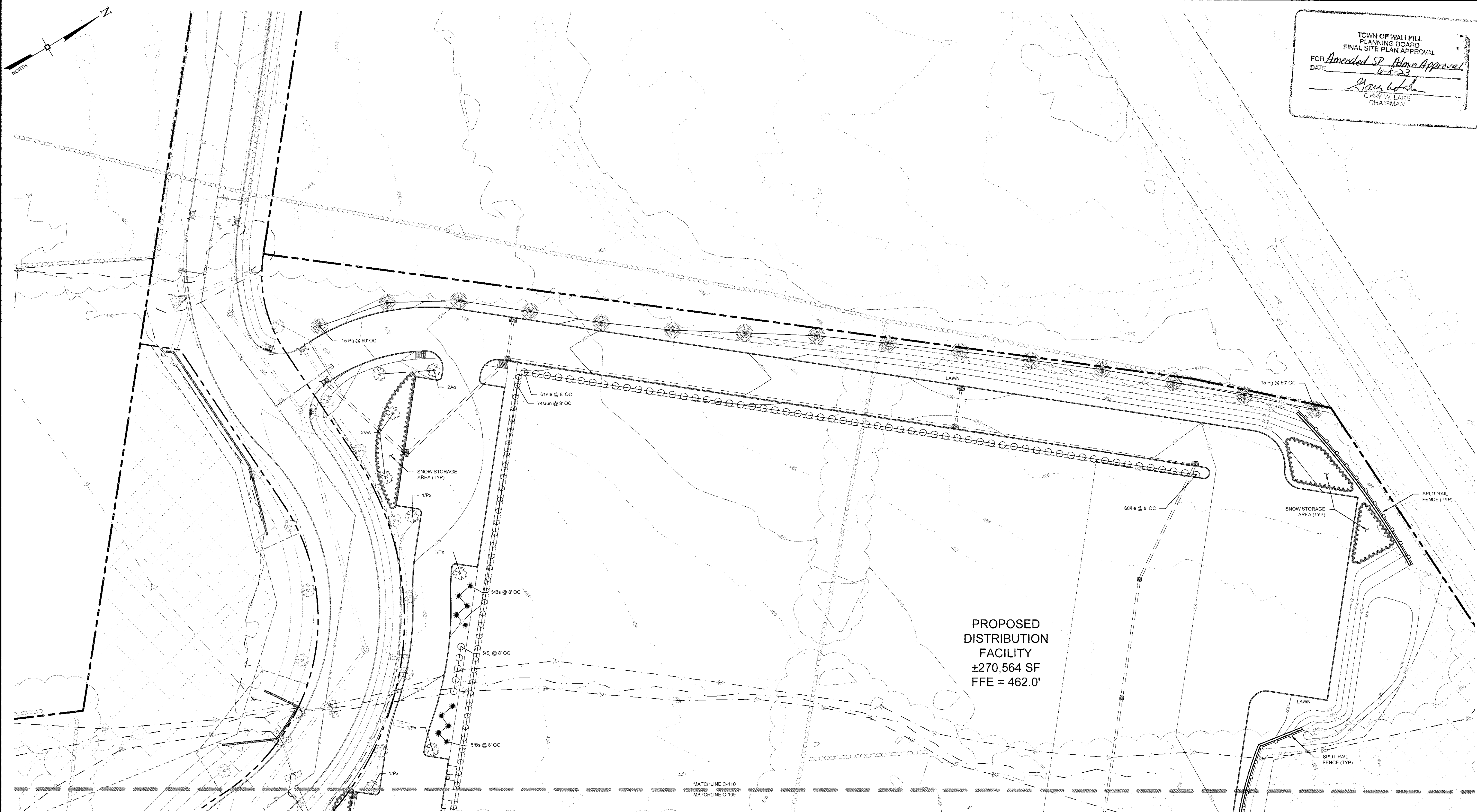
LANDSCAPE PLAN
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-109

TOWN OF WALKILL PB SHEET 10 OF 27



TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP - Final Approval
DATE 6-1-23
Gary W. Lake
GARY W. LAKE
CHAIRMAN

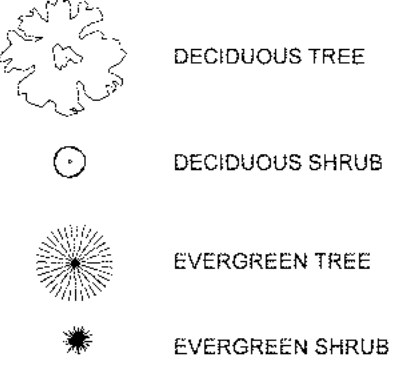
PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

SEED MIXTURES

SYM	SEED MIXTURE AND RATE
LAWN	LAWN SPECIES: FESTUCA RUBRA, CREEPING RED FESCUE, 30%, POA PRATENSIS, KENTUCKY BLUE GRASS, 50%, LOLIUM MULTIFLORUM, ANNUAL RYE, 10%, LOLIUM PERENNE, PERENNIAL RYE, 10%. SEEDING RATE: 4-5 LBS PER 1000 SQUARE FEET.
RETENTION BASIN FLOOR	RETENTION BASIN FLOOR SEED MIX SPECIES LIST: AGROSTIS ALBA (REDFEET), AGROSTIS PERENNANS (AUTUMN BENTGRASS), AGROSTIS SCABRA (TICKLEGRASS ROUGH BENTGRASS), AGROSTIS STOLONIFERA (CREEPING BENTGRASS), CAREX VULPINOIDEA (FOX SEDGE), ELYMUS VIRGINICUS (VIRGINIA WILD RYE), POA PALUSTRIS (FOWL BLUEGRASS), PUCCINELLIA DISTANS (ALKALI GRASS). SEED RATE: 20 LBS PER ACRE OR 1/2-1 LB. PER 1000 SQUARE FEET.
RETENTION BASIN SLOPES	SEASONALLY FLOODED AREA ANNUAL & PERENNIAL WILDLIFE FOOD MIX. SPECIES: AGROSTIS PERENNANS (AUTUMN BENTGRASS), BROMUS ALTISSIMUS (WILD BROME GRASS), CAREX INTUMESCENS (BLADDER SEDGE), CAREX SCOPARIA (BLUNT BROOM SEDGE), CAREX STIPATA (AWL SEDGE), CAREX VULPINOIDEA (FOX SEDGE), DESMODIUM CANADENSE (SHOWY TICK TREFOLI), ECHINOCHLOA CRUSGALLI FRUMENTACEA (JAPANESE MILLET), ELYMUS VIRGINICUS (VIRGINIA WILD RYE), HELIOPSIS HELIANTHOIDES (OX EYE SUNFLOWER), JUNCUS TENUIS (PATH RUSH), PANICUM CLAUDSTINUM (DEER TONGUE), PANICUM VIGATUM (SWITCHGRASS). SEEDING RATE: 15 LBS. PER ACRE OR 1/3 - 1/2 LBS PER 1000 SQUARE FEET.

PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
Px	23	Prunus x Yedoensis	Yoshino Cherry	2'-1/2" - 3" c	B&B
Pg	30	Picea Glauca	White Spruce	7' - 8' hgt	B&B
Ts	44	Thuja Standishi X Plicata "Green Giant"	Green Giant Arborvitae	6' - 7' hgt	B&B
As	20	Acer Saccharum	Sugar Maple	3" - 3-1/2" c	B&B
Am	25	Acer Rubrum "October Glory"	October Glory Red Maple	3" - 3-1/2" c	B&B
Il	12	Ilex Glabra	Shamrock Inkberry Holly	30" - 34"	B&B
Am	15	Amelanchier Canadensis	Shadblow Serviceberry	30" - 34"	B&B
SHRUBS					
Bs	18	Buxus Sempervirens	English Boxwood	30"-34"	B&B
Jc	4	Juniperus Chinensis "Gold Coast"	Gold Coast Juniper	30"-34"	Container
Sj	5	Spiraea Japonica	Little Princess Spiraea	24"-30"	Container
Ju	74	Juniperus Horizontalis	Creeeping Juniper	24"-30"	Pot
Il	61	Ilex Glabra	Compact Inkberry	24"-30"	Pot
Kal	68	Kalmia Latifolia	Mountain Laurel	24"-30"	Pot
Hv	14	Hamelis virginiana	Witch-Hazel	43" - 45"	Container



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DRAWING STATUS		ISSUE DATE: 05/08/2023	
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☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	11	OF	22
☐ OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	9
☒ NYSDEC APPROVAL	11	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
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LANDSCAPE PLAN

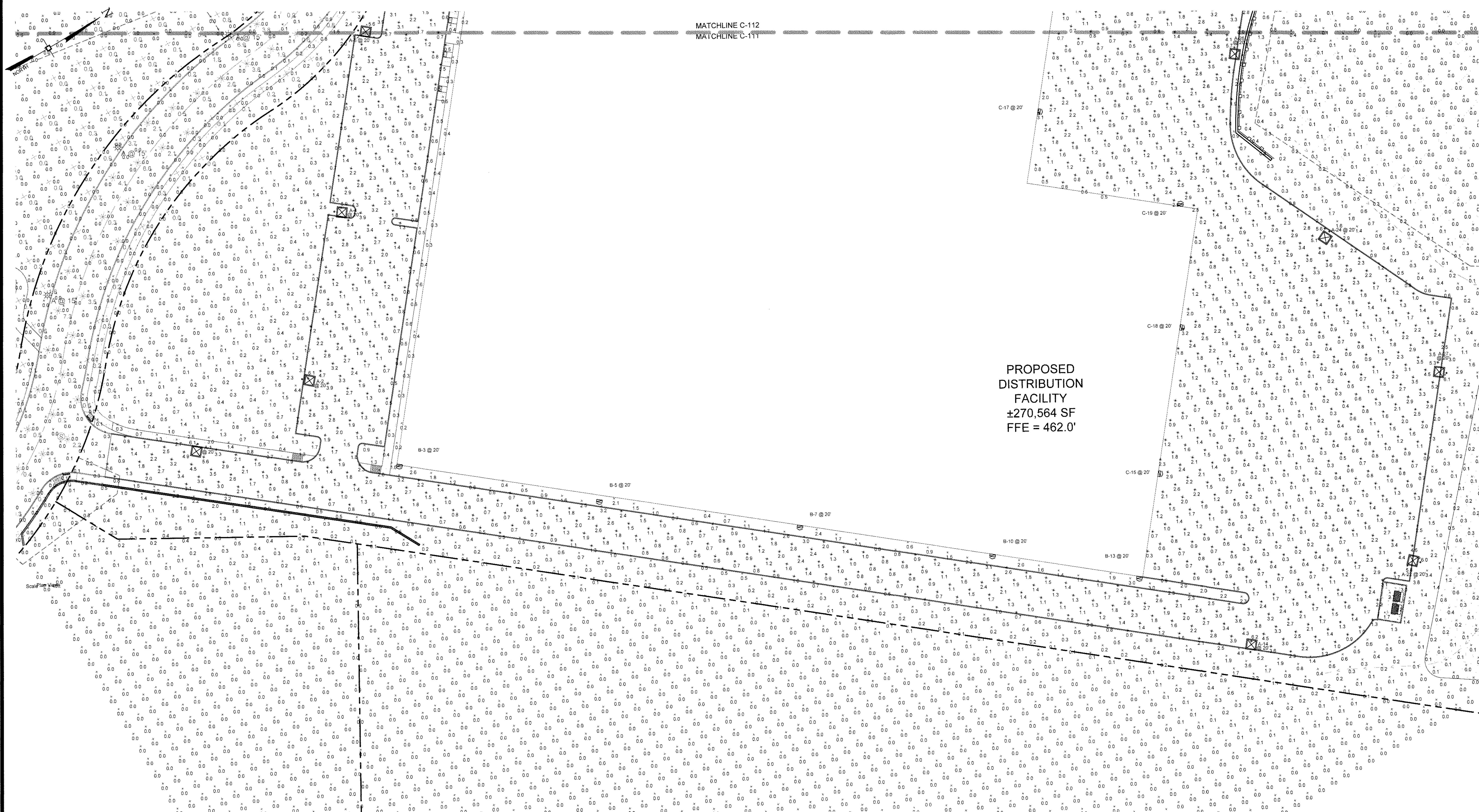
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TAX LOT: 78-1-94.1

C-110

TOWN OF WALLKILL PB SHEET 11 OF 27



PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Wattage
	A	14	American Electric Lighting	ATB0 P305 R4 4K	Autobahn Small P305 Package Roadway Type IV 4000K/5000K	LED	1	19809	145
	B	5	Holophane	HLWPC2 P40 40K XX T2M	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage,	LED	1	9981	95
	C	12	Holophane	HLWPC2 P40 40K XX T1TM	Type II Medium Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Forward Throw Medium	LED	1	10300	95

TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 12-23-23
Gary W. Lake
GARY W. LAKE
CHAIRMAN

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☐ OGDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OGDH WATERMAIN EXTENSION APPROVAL	2	OF	9
☒ NYSDEC APPROVAL	12	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

30 0 15 30 60
1 inch = 30 ft.

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LIGHTING PLAN

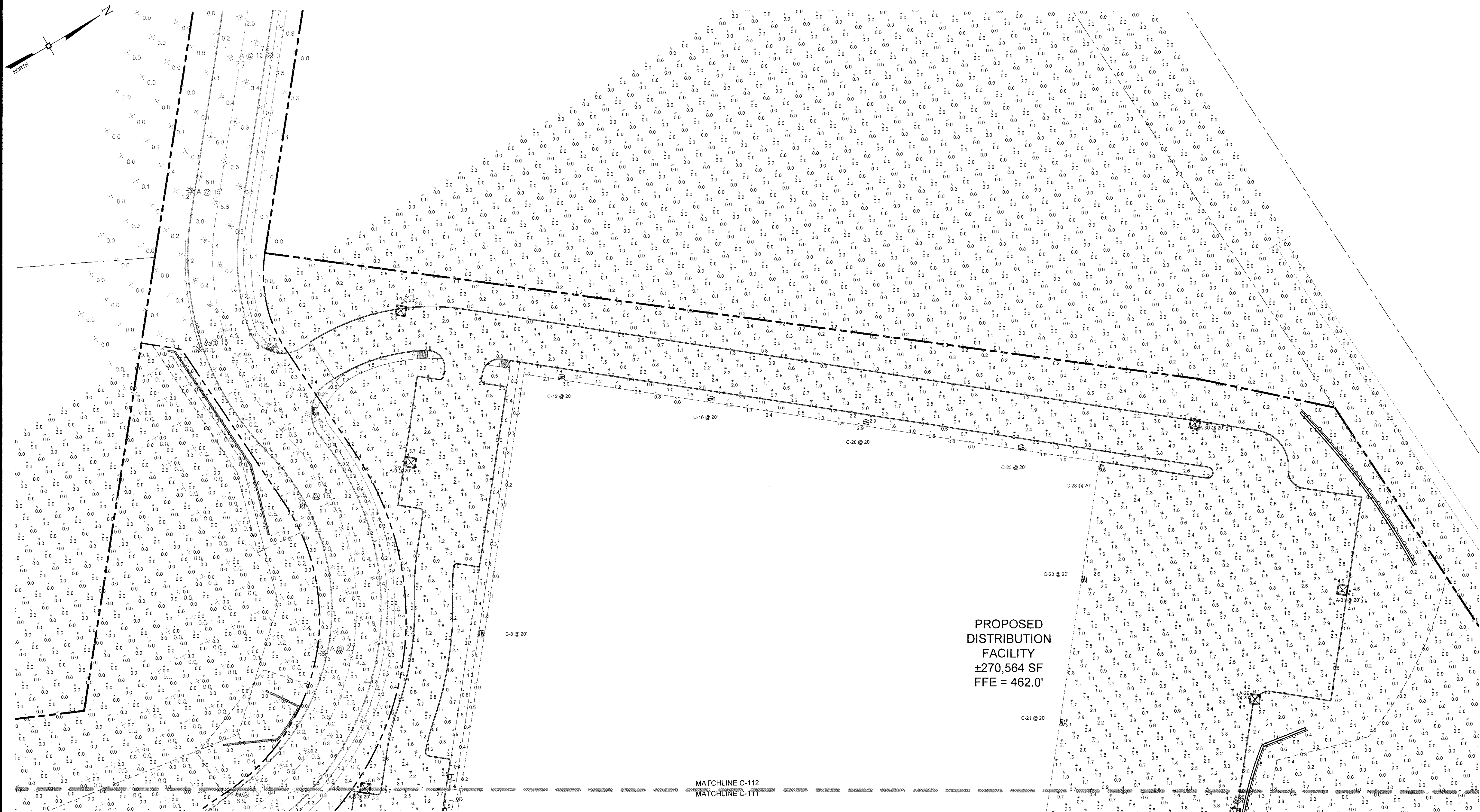
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-111

TOWN OF WALLKILL PB SHEET 12 OF 27



PROPOSED
DISTRIBUTION
FACILITY
±270,564 SF
FFE = 462.0'

Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor
	A	14	American Electric Lighting	ATB0 P305 R4 4K	Autobahn Small P305 Package Roadway Type IV 4000K/5000K	LED	1	19809	0.92
	B	5	Holophane	HLWPC2 P40 40K XX T2M	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Forward Throw Medium	LED	1	9981	0.92
	C	12	Holophane	HLWPC2 P40 40K XX T1FM	Type II Medium Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Forward Throw Medium	LED	1	10300	0.92

TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE 10-5-23
GARY W. LAKE
CHAIRMAN

No.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/26/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
7	04/21/21	REVISED PER MHE COMMENTS
8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACCE COMMENTS
13	11/23/21	REVISED PER ACCE COMMENTS
14	12/14/21	REVISED PER CCDOH COMMENTS
15	02/22/22	REVISED PER CCDOH COMMENTS
16	07/11/22	REVISED PER MHE COMMENTS
17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS		ISSUE DATE: 05/08/2023	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER	
☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	13	OF	22
☐ CCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ CCDOH WATERMAIN EXTENSION APPROVAL	3	OF	9
☒ NYSDEC APPROVAL	13	OF	22
☐ NYSDEC APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A
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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

30 15 0 15 30 60
1 inch = 30 ft

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LIGHTING PLAN

599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

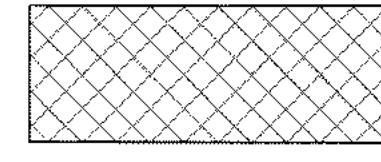
JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1"=30'
TAX LOT: 78-1-94.1

C-112

TOWN OF WALLKILL PB SHEET 13 OF 27

TOWN OF WALL KILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP. Admin Approval
DATE 10-8-23
GARY W. LAKE
CHAIRMAN



PHASE 1: AREA: ±11.71 Ac
THIS PHASE SHALL INCLUDE ALL SITE WORK INCLUDING BUT NOT LIMITED TO LIGHTING, LANDSCAPING, UTILITY SERVICES, BUILDING CONSTRUCTION, ETC. A FIVE ACRE WAIVER HAS BEEN APPLIED FOR TO THE MS4 TO COMPLETE THIS PHASE AT ONE TIME. ADDITIONAL EROSION AND SEDIMENT CONTROLS ARE REQUIRED AND NOTED ON THE DETAIL SHEETS.

No.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
7	04/21/21	REVISED PER MHE COMMENTS
8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACDE COMMENTS
13	11/23/21	REVISED PER ACDE COMMENTS
14	12/14/21	REVISED PER OCDOH COMMENTS
15	02/22/22	REVISED PER OCDOH COMMENTS
16	07/11/22	REVISED PER MHE COMMENTS
17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER
☐ CONCEPT APPROVAL	N/A	OF N/A
☒ PLANNING BOARD APPROVAL	14	OF 22
☐ OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
☐ OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF 9
☒ NYSDEC APPROVAL	14	OF 22
☐ NYS DOT APPROVAL	N/A	OF N/A
☐ OTHER	N/A	OF 2
☐ FOR BID	N/A	OF N/A
☐ FOR CONSTRUCTION	N/A	OF N/A
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JAY SAMUELSON, P.E.
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100 0 50 100 200
1 inch = 100 ft.

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CONSTRUCTION SEQUENCING PLAN

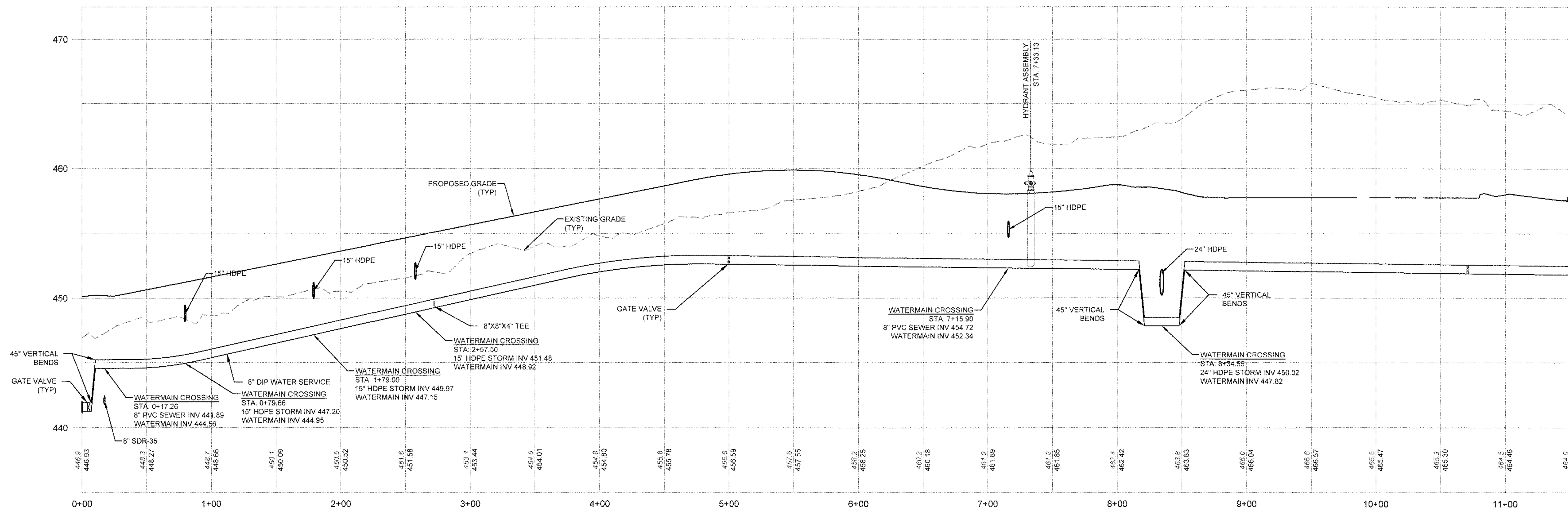
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALL KILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

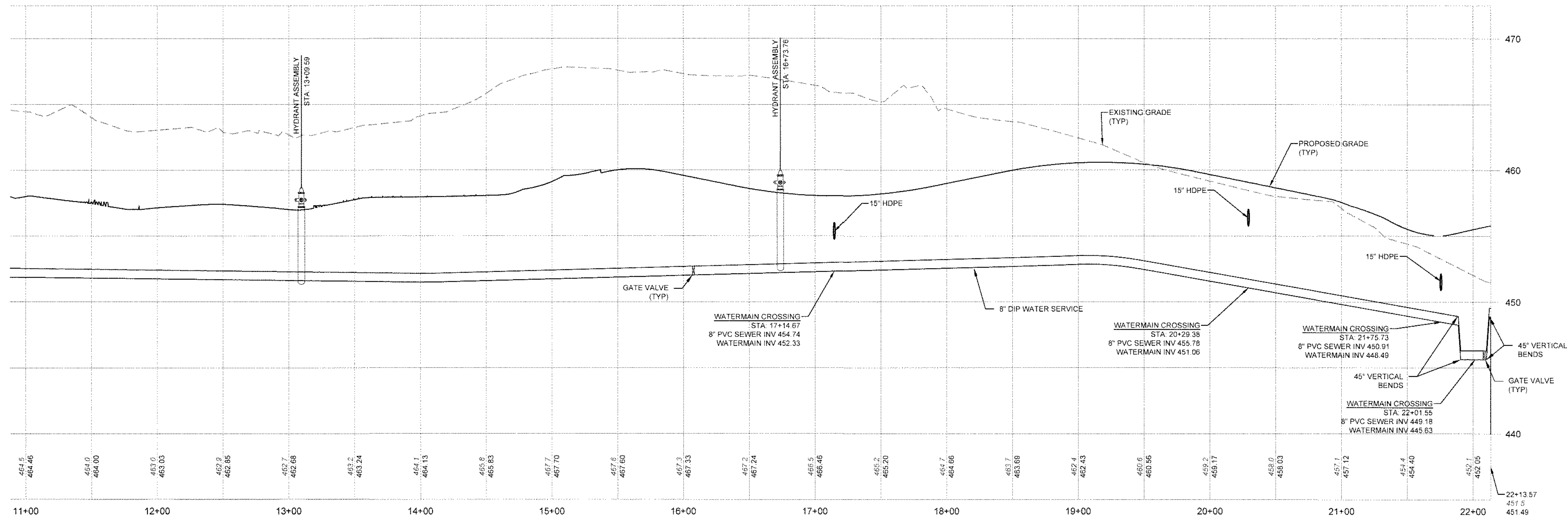
DRAWN BY: JS
SCALE: 1"=100'
TAX LOT: 78-1-94.1

C-113

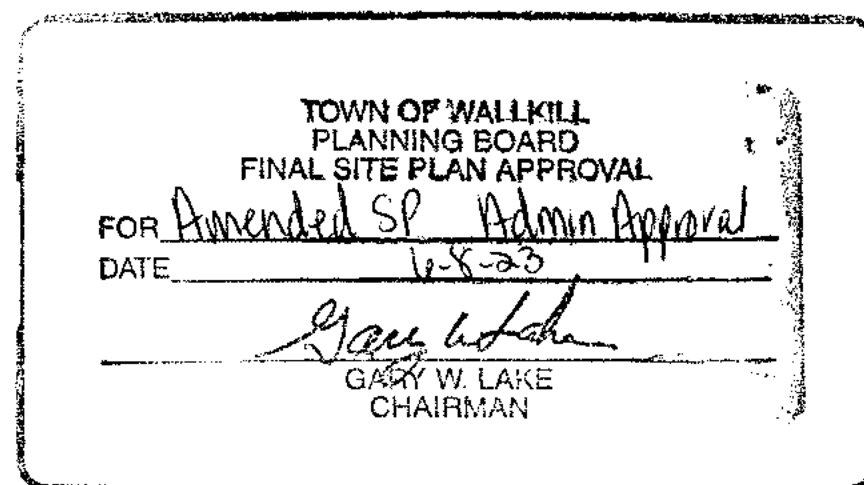
TOWN OF WALL KILL PB SHEET 14 OF 27



WATER SERVICE PROFILE 0+00 - 11+50



WATER SERVICE PROFILE 11+50 - END



No.	DATE	DESCRIPTION
1	03/20/20	REVISED FOR OGDW SUBMISSION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
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8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACOE COMMENTS
13	11/23/21	REVISED PER ACOE COMMENTS
14	12/14/21	REVISED PER OGDH COMMENTS
15	02/22/22	REVISED PER OGDH COMMENTS
16	07/11/22	REVISED PER MHE COMMENTS
17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES

No.	DATE	DESCRIPTION
21	05/08/23	REVISED PER NEW BUILDING LAYOUT.

DRAWING STATUS	ISSUE DATE: 05/03/2023
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	SHEET NUMBER
☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	15 OF 22
☐ OGDH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☒ OGDH WATERMAIN EXTENSION APPROVAL	8 OF 9
☒ NYSDEC APPROVAL	15 OF 22
☐ NYSDEC APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A

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NEW YORK LICENSE # 080023

1 inch = 50 ft.

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WATERMAIN PROFILE

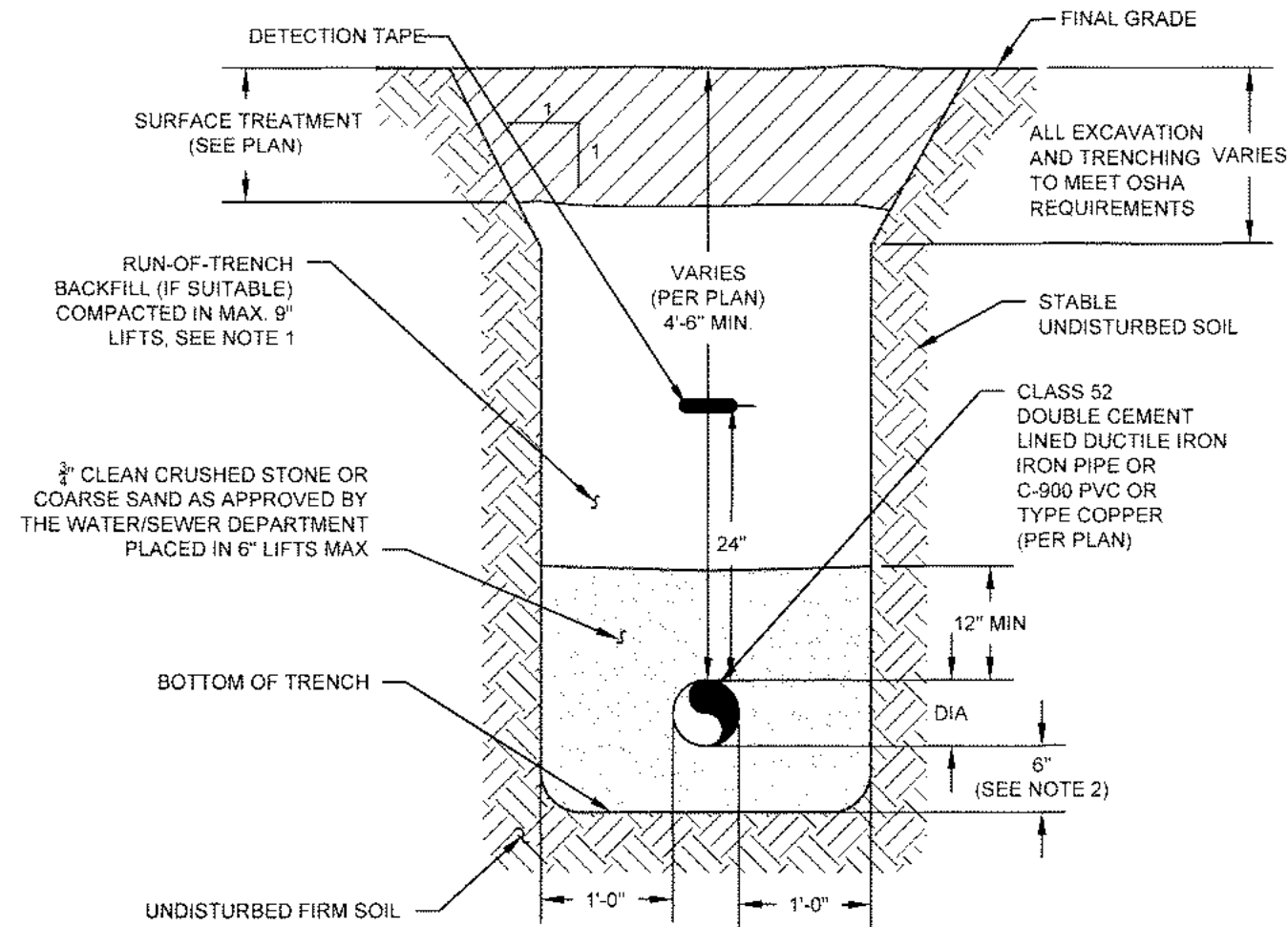
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599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: 1" = 50' H
1" = 5' V
TAX LOT: 78-1-94.1

C-201

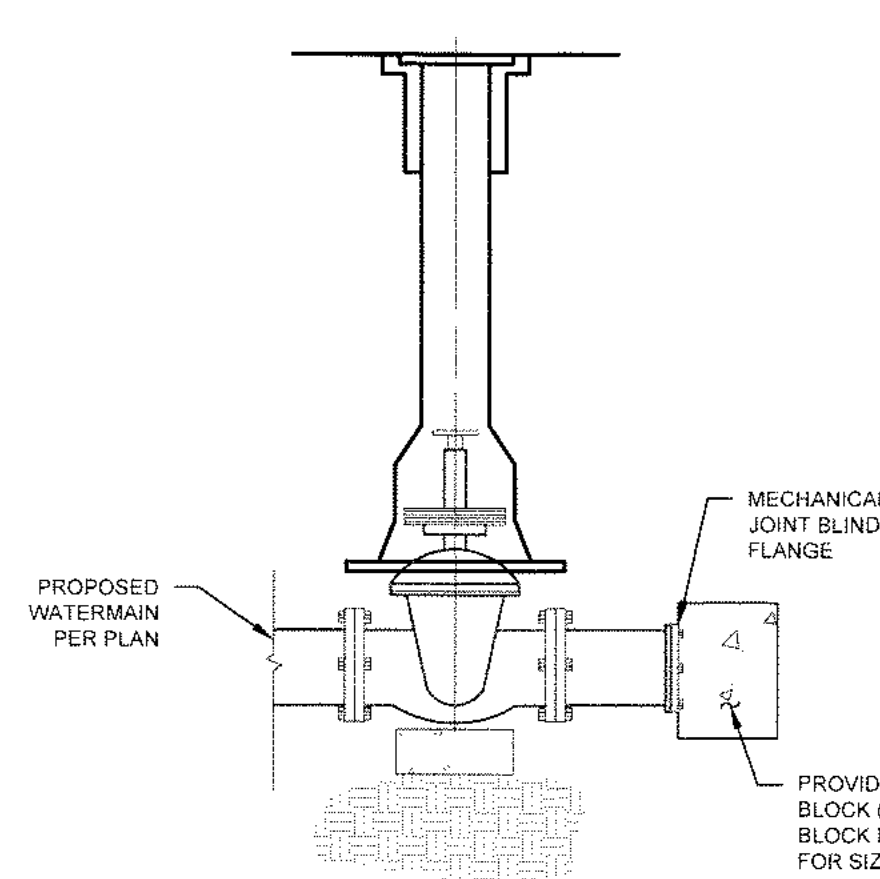
TOWN OF WALLKILL PB SHEET 15 OF 27



- NOTES:**
1. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC. SHALL BE WITH NYSDOT ITEM #4 FOR THE FULL DEPTH THE EXCAVATION BACKFILL SHALL BE PLACED IN 9\"/>
 - 2. IF ROCK IS ENCOUNTERED DURING EXCAVATION OF THE TRENCH, THE PIPE BEDDING SHALL BE INCREASED TO 8\"/>

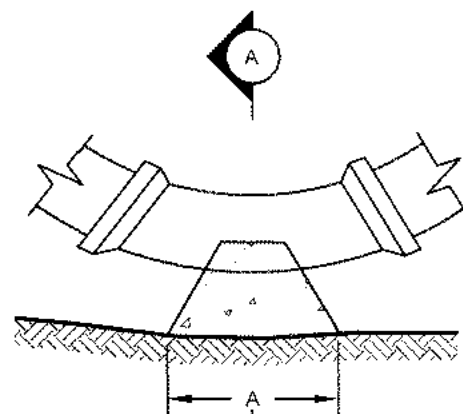
WATER PIPE TRENCH

SCALE: NTS



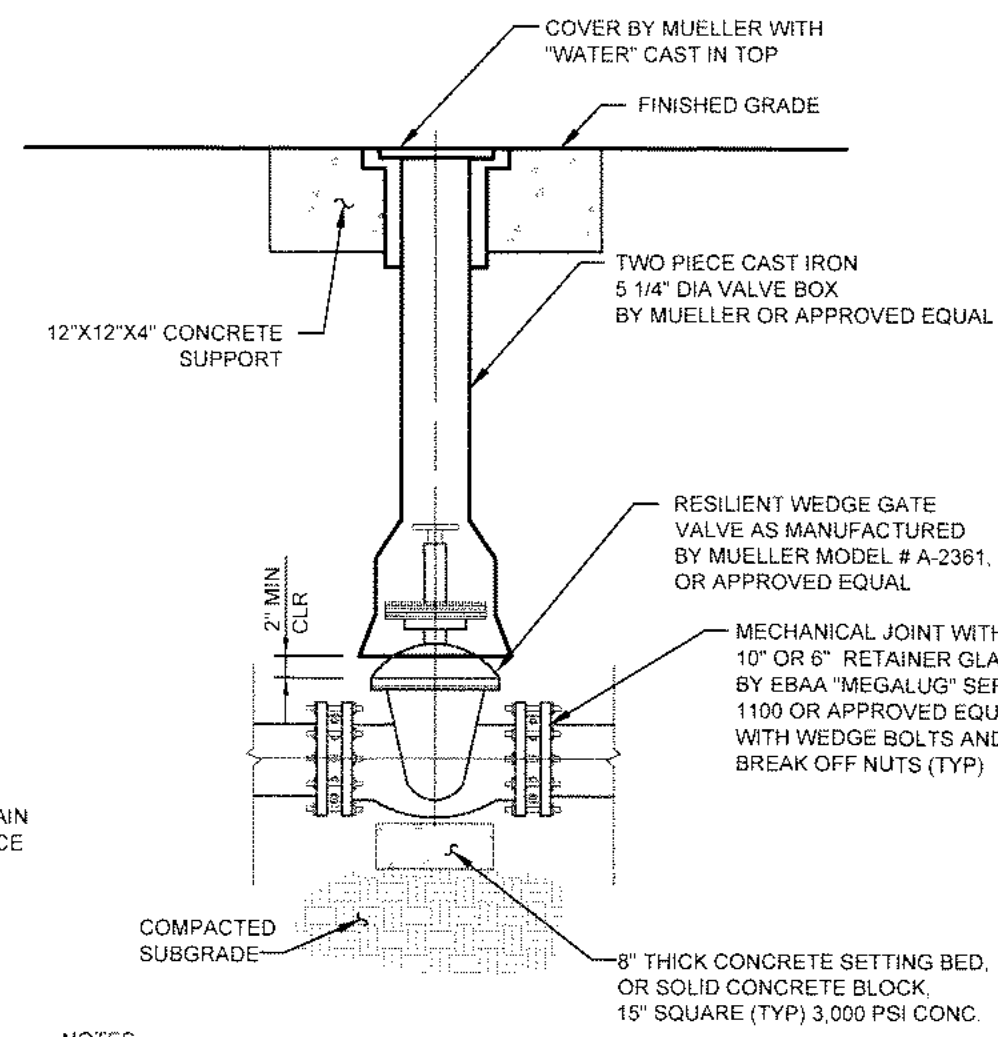
WATER PIPE CAP

SCALE: NTS



WATER/SEWER SEPARATION REQUIREMENTS

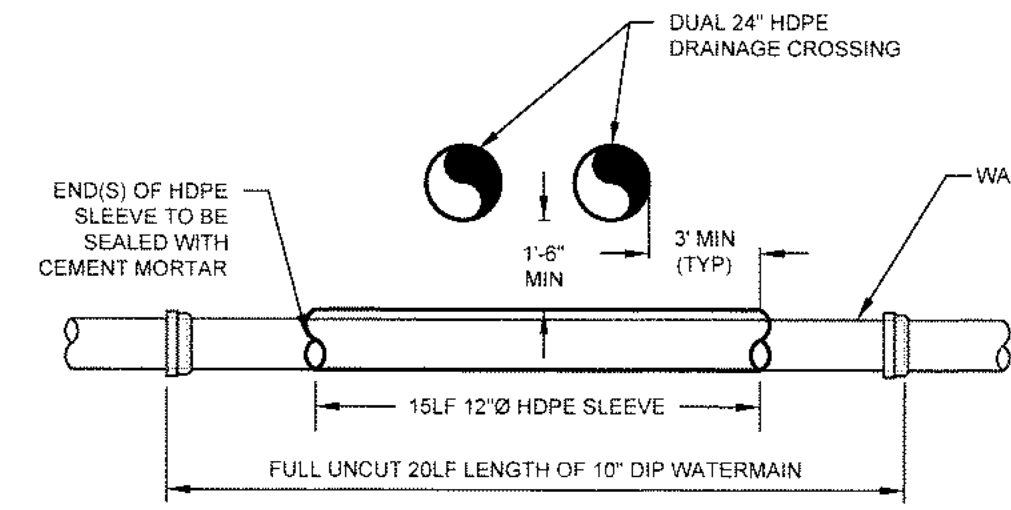
SCALE: NTS



- NOTES:**
1. ALL VALVES TO INCLUDE MEGA-LUG RETAINER GLANDS AND BE ROODED BACK TO THE ADJACENT TEE IN THE WATERMAIN. IN-LINE VALVES NEED NOT BE ROODED. CONTRACTOR TO UTILIZE 3/4\"/>
 - 2. WATERMAIN VALVES FOR FOUR INCH THROUGH FORTY EIGHT INCH SHALL BE RESILIENT WEDGE GATE VALVES AS MANUFACTURED BY MUELLER, MODEL #A-2361. VALVES SHALL BE PROVIDED WITH AN EXTENSION SERVICE BOX TO GRADE.
 - 3. MAIN LINE VALVES TO BE SPACED TO NO FURTHER THAN 500 FEET APART IN COMMERCIAL DISTRICTS AND 800 FEET IN OTHER DISTRICTS.

VALVE AND VALVE BOX

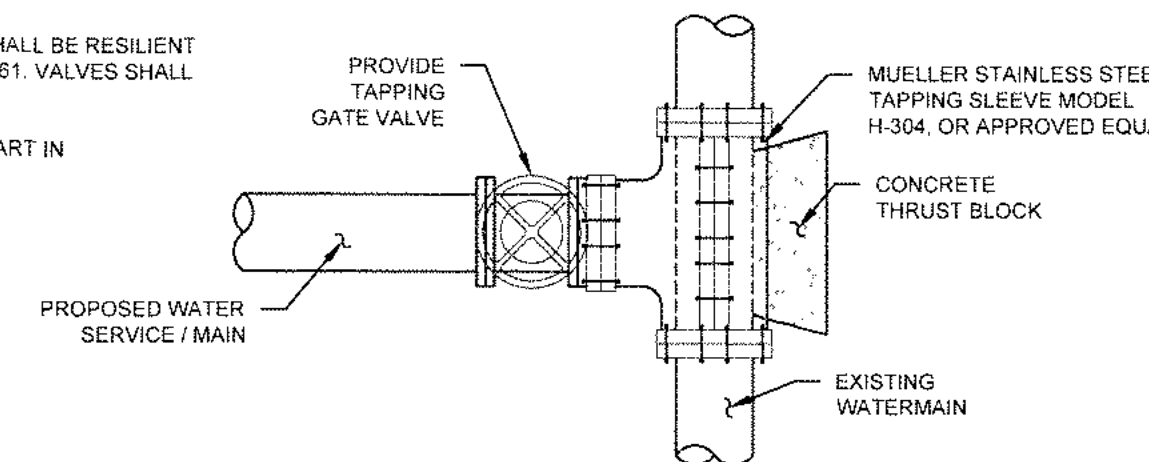
SCALE: NTS



- NOTES:**
1. THE 10\"/>
 - 2. THE 12\"/>
 - 3. THE ENDS OF THE 12\"/>

SLEEVED WATERMAIN

SCALE: NTS



- NOTES:**
1. WET TAP INSTALL TO BE PERFORMED BY CONTRACTOR WITH ENGINEER OR REPRESENTATIVE OF TOWN OF WALLKILL WATER DEPARTMENT ON SITE.
 2. CONTRACTOR TO CONTACT TOWN OF WALLKILL WATER DEPARTMENT FOR INSTALLATION REQUIREMENTS.
 3. ALL TAPPING SLEEVE HARDWARE SHALL BE STAINLESS STEEL.
 4. MEGA LUGS TO BE USED ON ALL MECHANICAL JOINT FITTINGS.

WET TAP ASSEMBLY

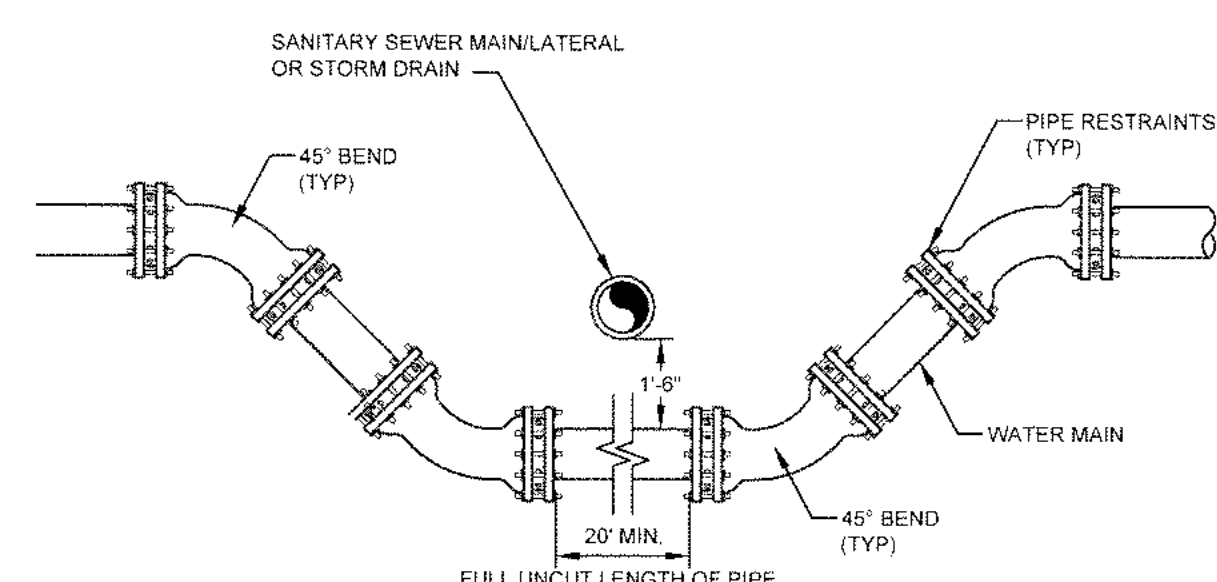
SCALE: NTS

HORIZONTAL BEND		4"	6"	8"	10"	12"
11 1/4" BEND	A	18"	18"	24"	30"	33"
	B	12"	12"	18"	24"	24"
	C	12" (MIN)				
22 1/2" BEND	A	18"	18"	24"	30"	33"
	B	12"	12"	18"	24"	24"
	C	12" (MIN)				
45° BEND	A	24"	24"	30"	36"	45"
	B	18"	18"	24"	30"	33"
	C	12" (MIN)				
90° BEND	A	30"	30"	42"	54"	66"
	B	24"	24"	30"	36"	42"
	C	12" (MIN)				
TEE & PLUG	A	27"	27"	36"	42"	48"
	B	21"	21"	27"	35"	42"
	C	12" (MIN)				

- NOTES:**
1. ALL CONCRETE TO BE 3000 PSI.
 2. TWO FORMS OF RESTRAINTS ARE REQUIRED ON ALL BENDS, OFFSETS, DEAD ENDS, AND/OR TEMPORARY DEAD ENDS FOR FUTURE EXPANSION.
 3. THRUST BLOCK DIMENSIONS SHOWN ARE MINIMUM.

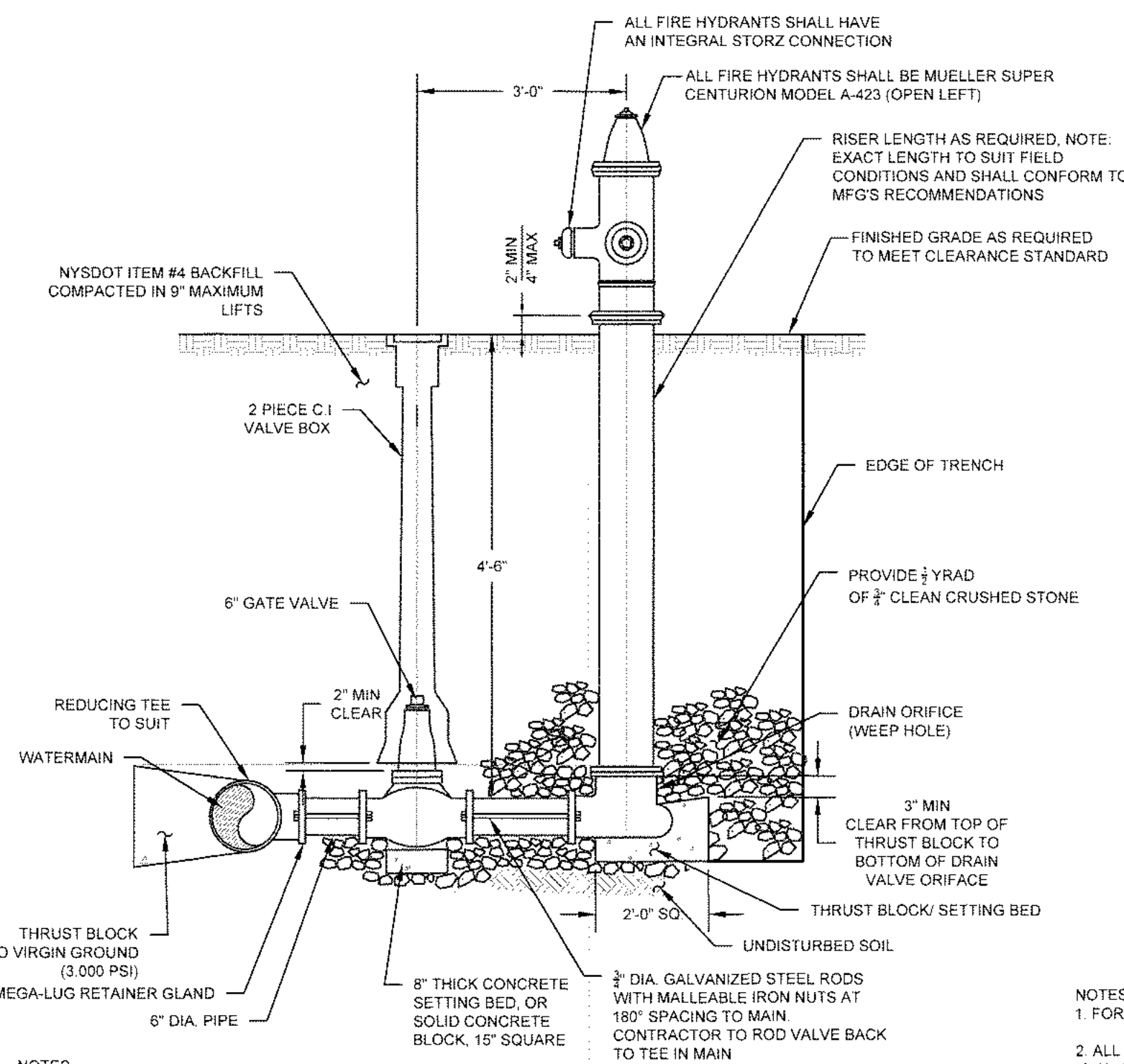
THRUST BLOCK

SCALE: NTS



WATER MAIN OFFSET WITH RESTRAINTS

SCALE: NTS



- NOTES:**
1. HYDRANTS SHALL BE DRY-BARREL HYDRANTS, TYPE MUELLER SUPER CENTURION, IN ACCORDANCE WITH AWWA C502. HYDRANTS SHALL HAVE A MAIN VALVE SIZE OPENING OF FIVE INCHES NORMAL, ONE FOUR-AND-A-HALF INCH NST PUMPER NOZZLE, TWO TWO-AND-A-HALF INCH NST NOZZLES, A ONE-AND-ONE-HALF INCH PENTAGON OPERATING NUTS AND A SIX-INCH MECHANICAL JOINT INLET SHOW CONNECTION WITH ACCESSORIES. THE HYDRANT DIRECTION OF OPENING SHALL BE LEFT (COUNTERCLOCKWISE).
 2. ALL TEES, VALVES AND FITTINGS TO INCLUDE RESTRAINT IN THE FORM OF MEGA-LUG RETAINER GLANDS AND RODS.
 3. HYDRANT SPACING MAY RANGE FROM 350' TO A MAXIMUM OF 600'.
 4. THE WEEP HOLE SHALL BE PLUGGED IF GROUNDWATER IS ENCOUNTERED WITHIN TWO (2) FEET OF THE BASE OF THE HYDRANT. IF PLUGGED, PERMANENT SIGNAGE SHALL BE AFFIXED TO THE HYDRANT SPECIFYING THAT HYDRANT SHALL BE REQUIRED BE PUMPED DRY AFTER USE DURING PERIODS OF FREEZING TEMPERATURES.

HYDRANT ASSEMBLY

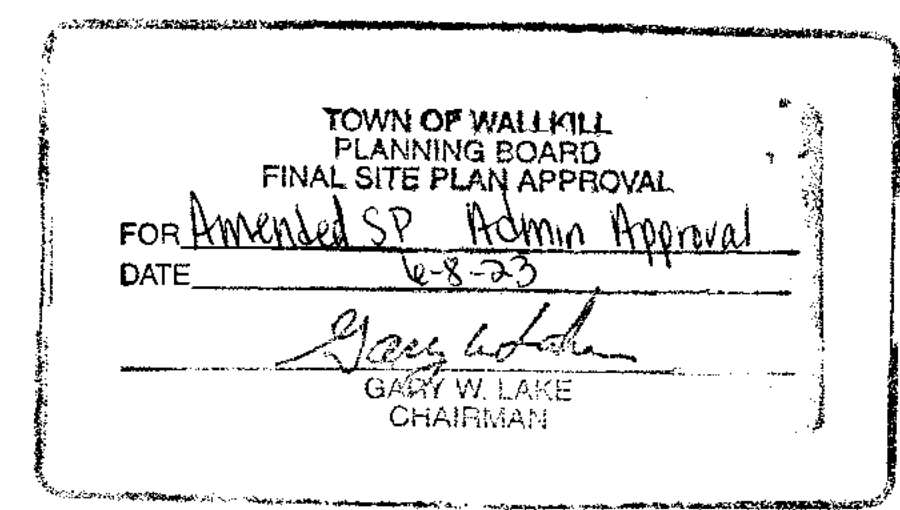
- NOTES:**
1. FOR ALL "T"s, NO UNRESTRAINED JOINTS WITHIN 5 FEET OF FITTING.
 2. ALL FITTINGS ARE TO BE RESTRAINED WITH AQUAGRIP MECHANIC JOINTS WITH LOCKING RUBBER GASKETS AS MANUFACTURED BY MUELLER COMPANY. IN ADDITION ALL PIPE JOINTS SHALL BE RESTRAINED AS FOLLOWS:

8" DIP RESTRAINTS*		6" DIP RESTRAINTS*	
45°	ALL JOINTS WITHIN 9 FEET OF FITTING	45°	ALL JOINTS WITHIN 8 FEET OF FITTING
22 1/2°	ALL JOINTS WITHIN 4 FEET OF FITTING	22 1/2°	ALL JOINTS WITHIN 4 FEET OF FITTING
11 1/4°	ALL JOINTS WITHIN 2 FEET OF FITTING	11 1/4°	ALL JOINTS WITHIN 2 FEET OF FITTING
8X4 TEE	ALL 8" BRANCH JOINTS WITHIN 2 FEET OF FITTING	8X10 TEE	ALL 10" BRANCH JOINTS WITHIN 54 FEET OF FITTING
8X6 TEE	ALL 8" BRANCH JOINTS WITHIN 2 FEET OF FITTING	8X6 TEE	ALL 6" BRANCH JOINTS WITHIN 23 FEET OF FITTING
DEAD END (BLIND FLANGE)	ALL JOINTS WITHIN 45 FEET OF FITTING	DEAD END (BLIND FLANGE)	ALL JOINTS WITHIN 32 FEET OF FITTING

* ASSUMED: 4'-6" COVER, 150 PSI TEST PRESSURE, AND 2.0 TO 1 FACTOR OF SAFETY.

PIPE RESTRAINT DETAIL

SCALE: NTS



Dig Safely. New York
Call 811
before you dig

NO.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
7	04/21/21	REVISED PER MHE COMMENTS
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11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACDE COMMENTS
13	11/23/21	REVISED PER ACDE COMMENTS
14	12/14/21	REVISED PER OCDOH COMMENTS
15	02/22/22	REVISED PER OCDOH COMMENTS
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18	08/24/22	REVISED PER MHE COMMENTS
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20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS		ISSUE DATE: 05/08/2023	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER	
☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	16	OF	22
☐ OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☒ OCDOH WATERMAIN EXTENSION APPROVAL	9	OF	9
☒ NYSDEC APPROVAL	16	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A

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NEW YORK LICENSE # 080023

ORIGINAL SCALE IN INCHES

0 1 2 3

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DETAILS

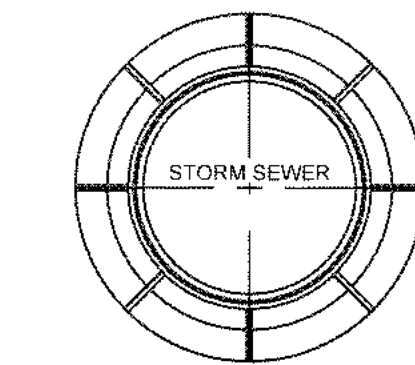
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

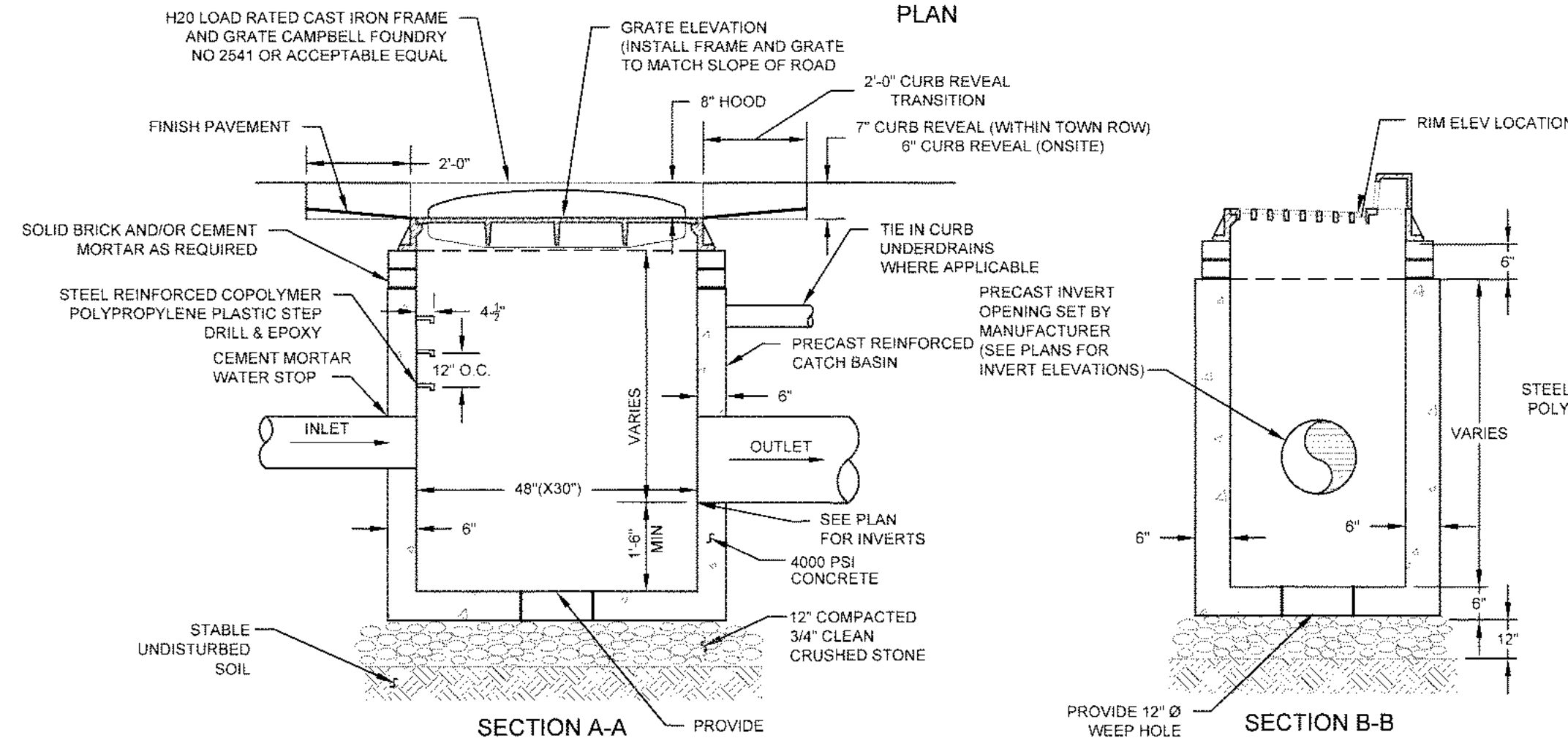
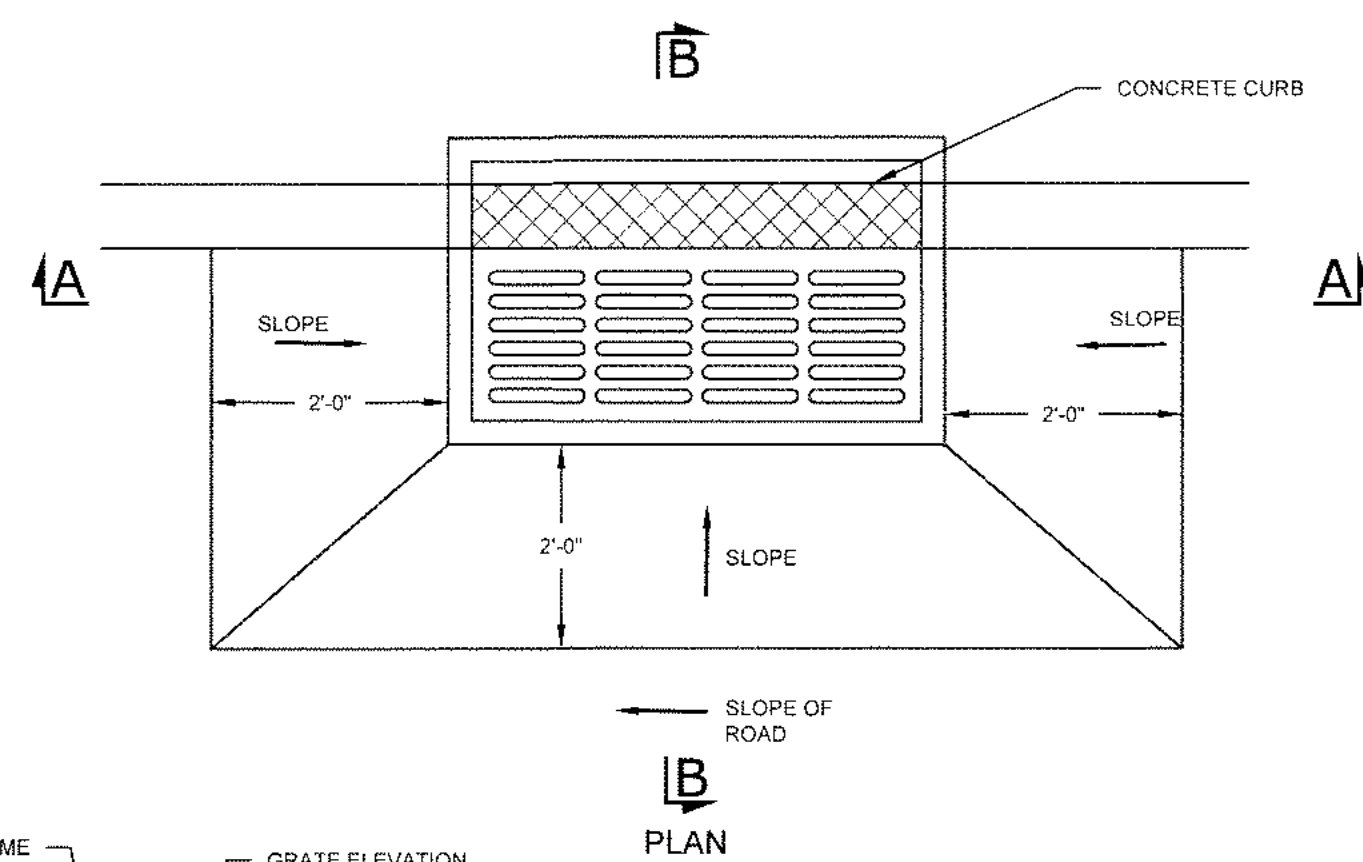
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SCALE: AS NOTED
TAX LOT: 78-1-94.1

C-301

TOWN OF WALLKILL PB SHEET 16 OF 27

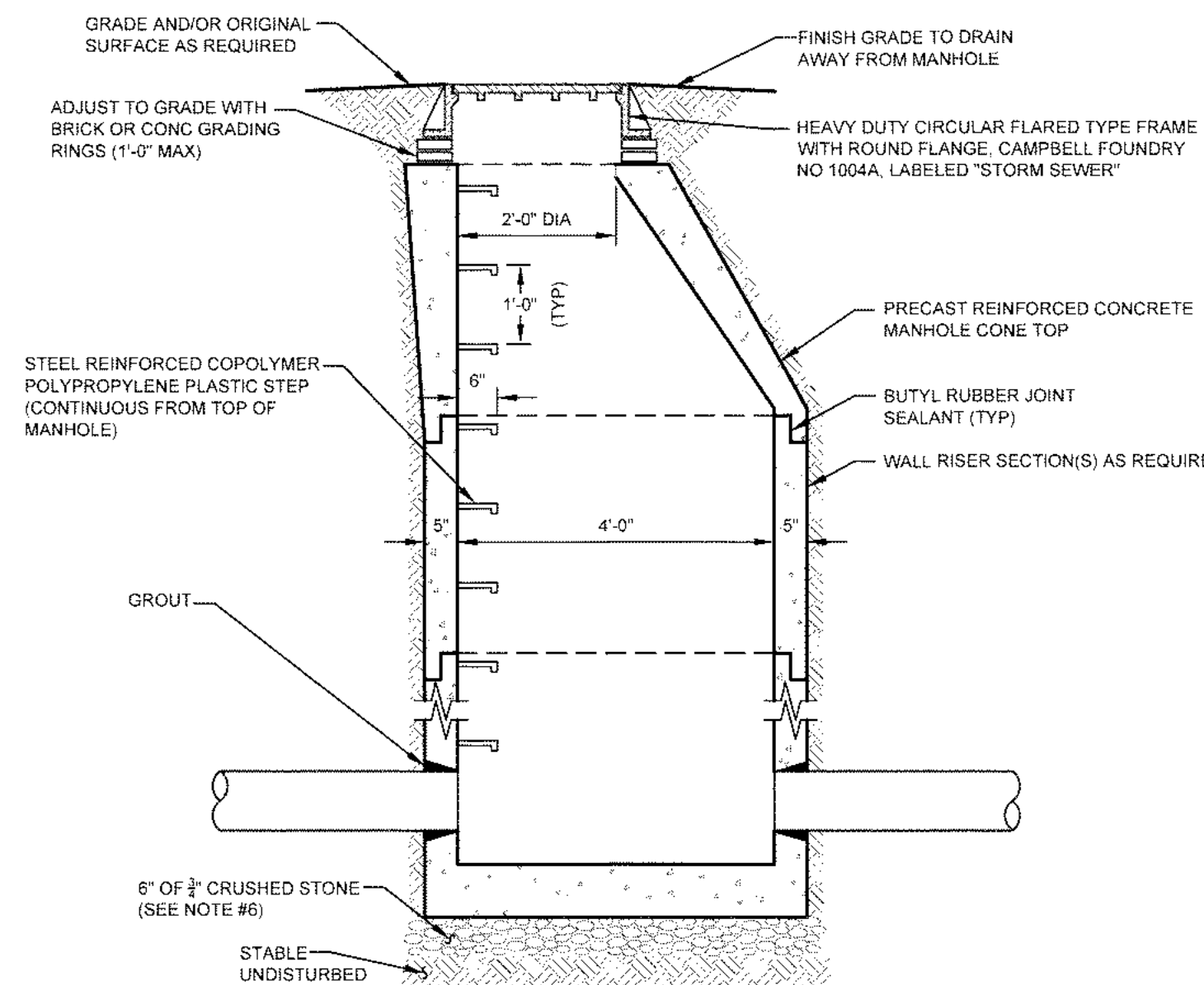


**DRAINAGE
MANHOLE COVER**
SCALE: NTS



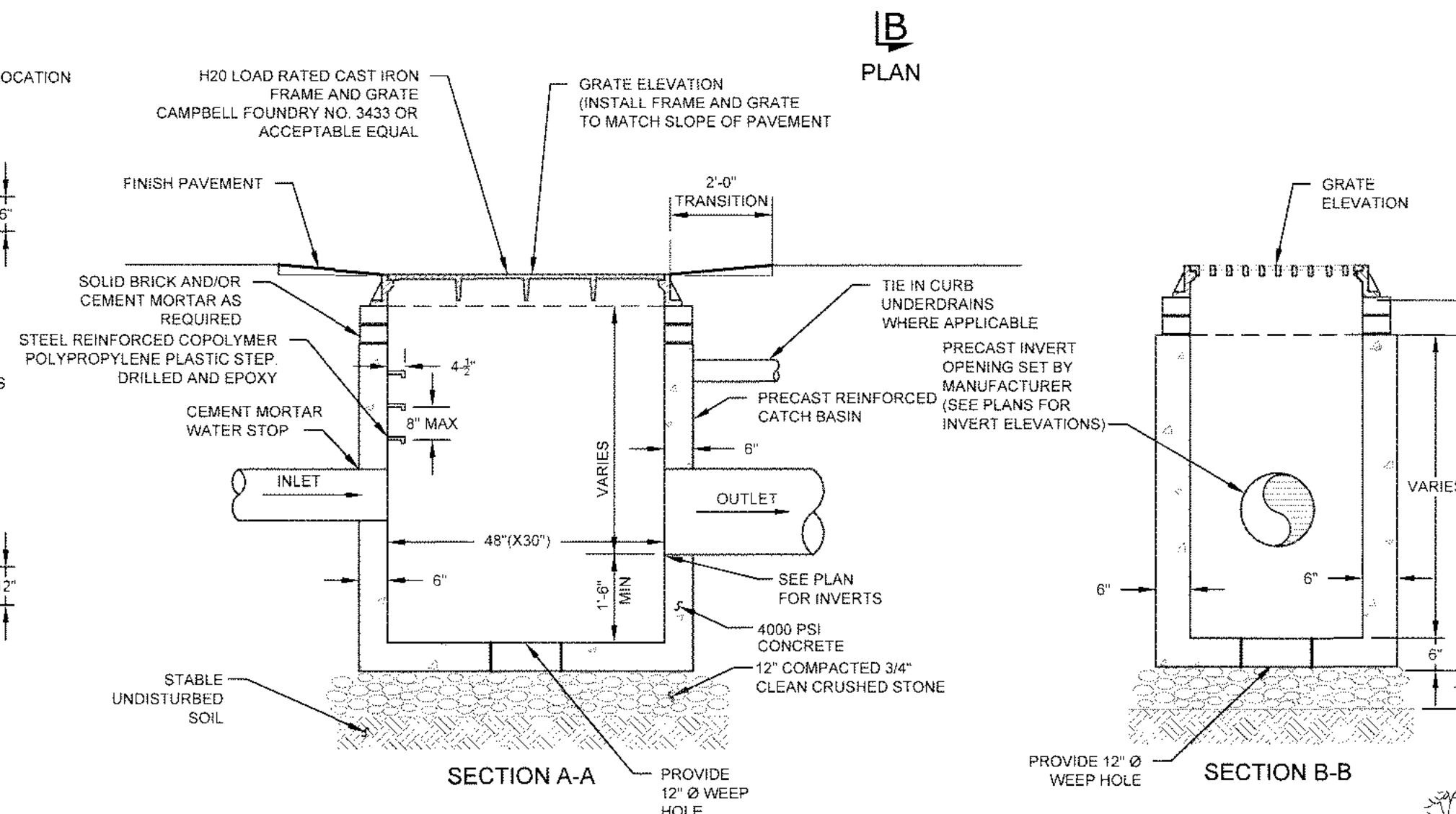
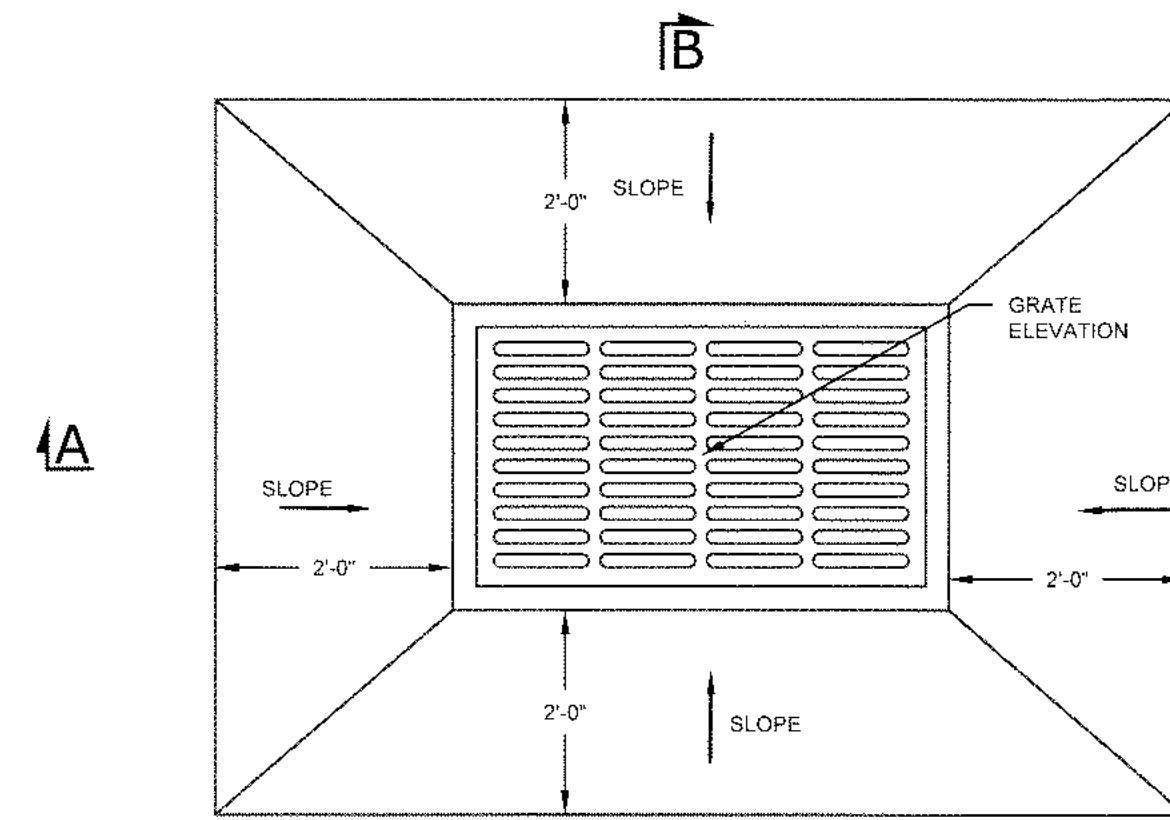
- NOTES**
- BACKFILL AROUND CATCH BASIN SHALL BE NYSDOT ITEM 4 TO BE COMPACTED IN MAX 8" LIFTS
 - STEPS SHALL BE PROVIDED FOR ALL BASINS GREATER THAN FOUR FEET IN DEPTH
 - ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC. SHALL BE WITH ITEM 4 (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST
 - PRECAST CONCRETE BASIN SHALL BE H20 LOAD RATED AS MANUFACTURED BY WOODARDS CONCRETE PRODUCTS OR APPROVED EQUAL
 - THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE OF CATCH BASIN

CATCH BASIN
SCALE: NTS



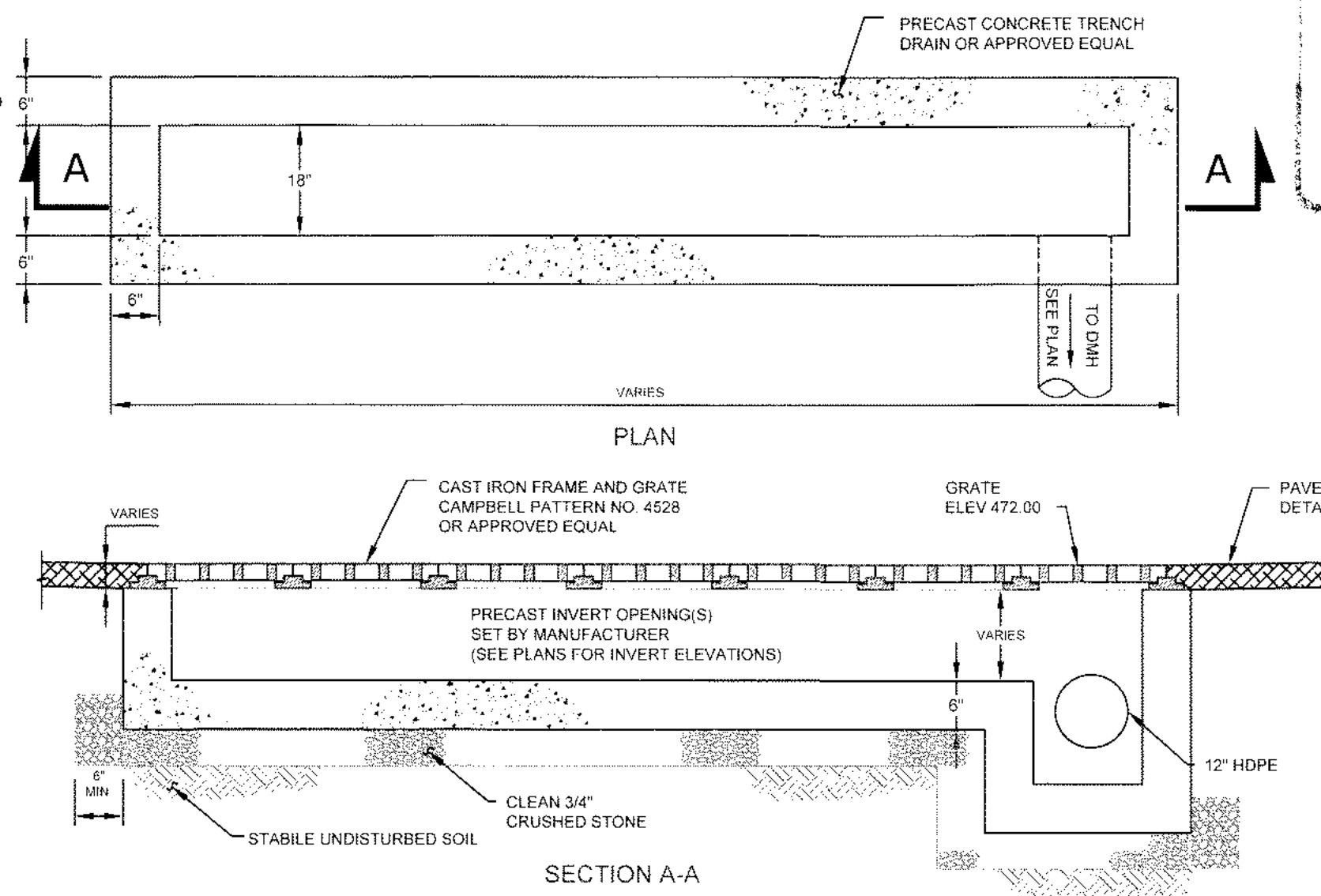
- NOTES**
- CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - REINFORCEMENT TO BE IN CONFORMANCE WITH ASTM A615 GRADE 60
 - CONTRACTOR TO ORDER MANHOLE SECTIONS FROM MANUFACTURER TO MATCH REQUIRED ELEVATIONS AND INVERTS PER PLAN
 - ANY MANHOLE WITHIN PAVEMENT AREA SHALL BE CAPABLE OF WITHSTANDING HS-20 LOADINGS
 - PRECAST CONCRETE MANHOLE COMPONENTS BY WOODARDS CONCRETE PRODUCTS OR APPROVED EQUAL
 - FOR ANY STRUCTURE LOCATED WITHIN THE TOWN RIGHT-OF-WAY, CRUSHED STONE SUB-BASE SHALL BE A MINIMUM OF 12" IN THICKNESS

DRAINAGE MANHOLE
SCALE: NTS



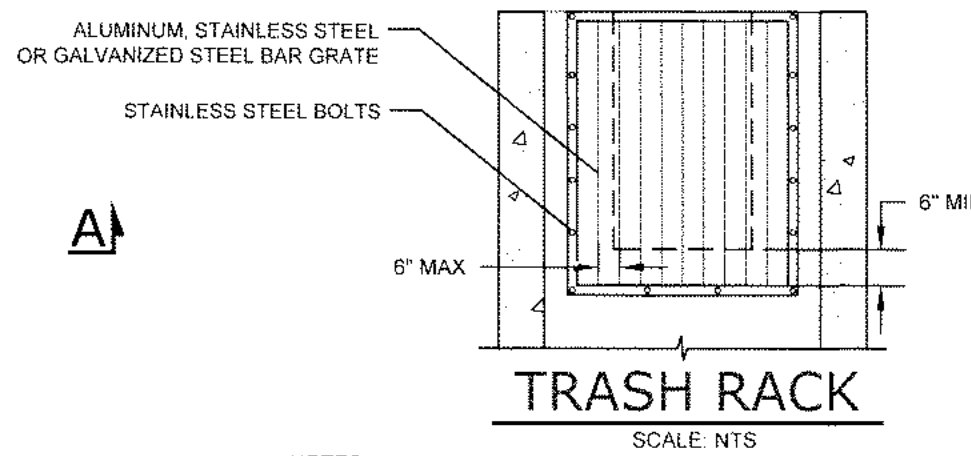
- NOTES**
- BACKFILL AROUND CATCH BASIN SHALL BE NYSDOT ITEM 4 TO BE COMPACTED IN MAX 8" LIFTS
 - STEPS SHALL BE PROVIDED FOR ALL BASINS GREATER THAN FOUR FEET IN DEPTH
 - ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC. SHALL BE WITH ITEM 4 (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST
 - PRECAST CONCRETE BASIN SHALL MEET ALL H20 LOAD RATINGS AND AS MANUFACTURED BY WOODARDS CONCRETE PRODUCTS OR AN APPROVED EQUAL
 - THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE OF CATCH BASIN

CATCH BASIN (FLAT GRATE)
SCALE: NTS



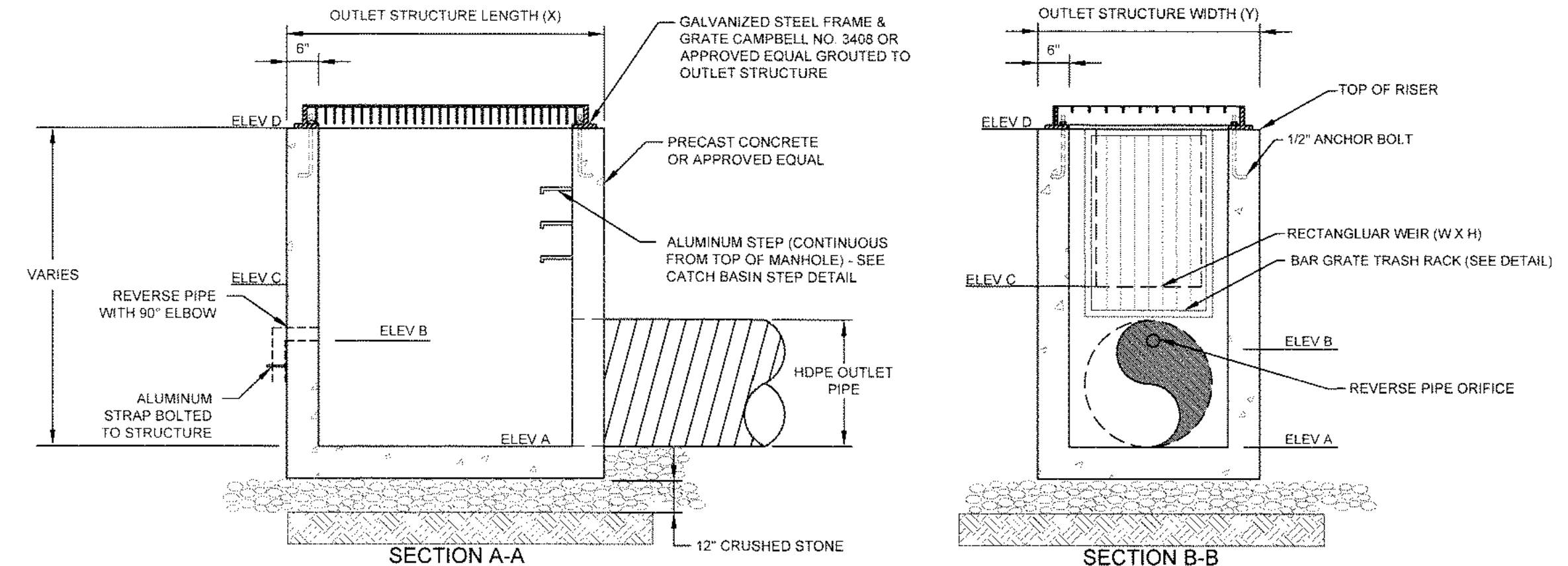
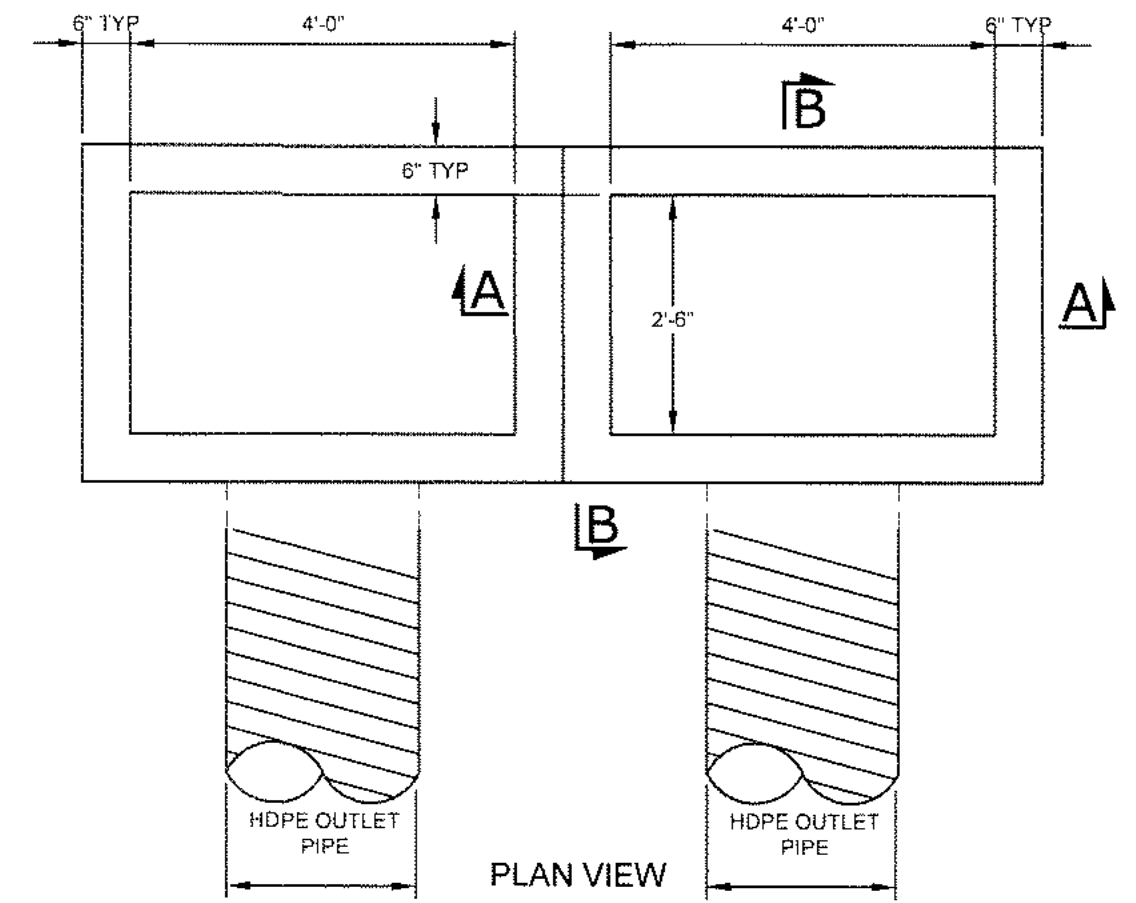
NOTE:
THE TRENCH DRAIN FRAME AND GRATE MUST BE CAPABLE OF SUSTAINING H-20 LOADINGS

TRENCH DRAIN
SCALE: NTS



- NOTES**
- BAR GRATE TRASH RACKS SHALL BE ALUMINUM, STAINLESS STEEL OR GALVANIZED STEEL, AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE
 - TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE

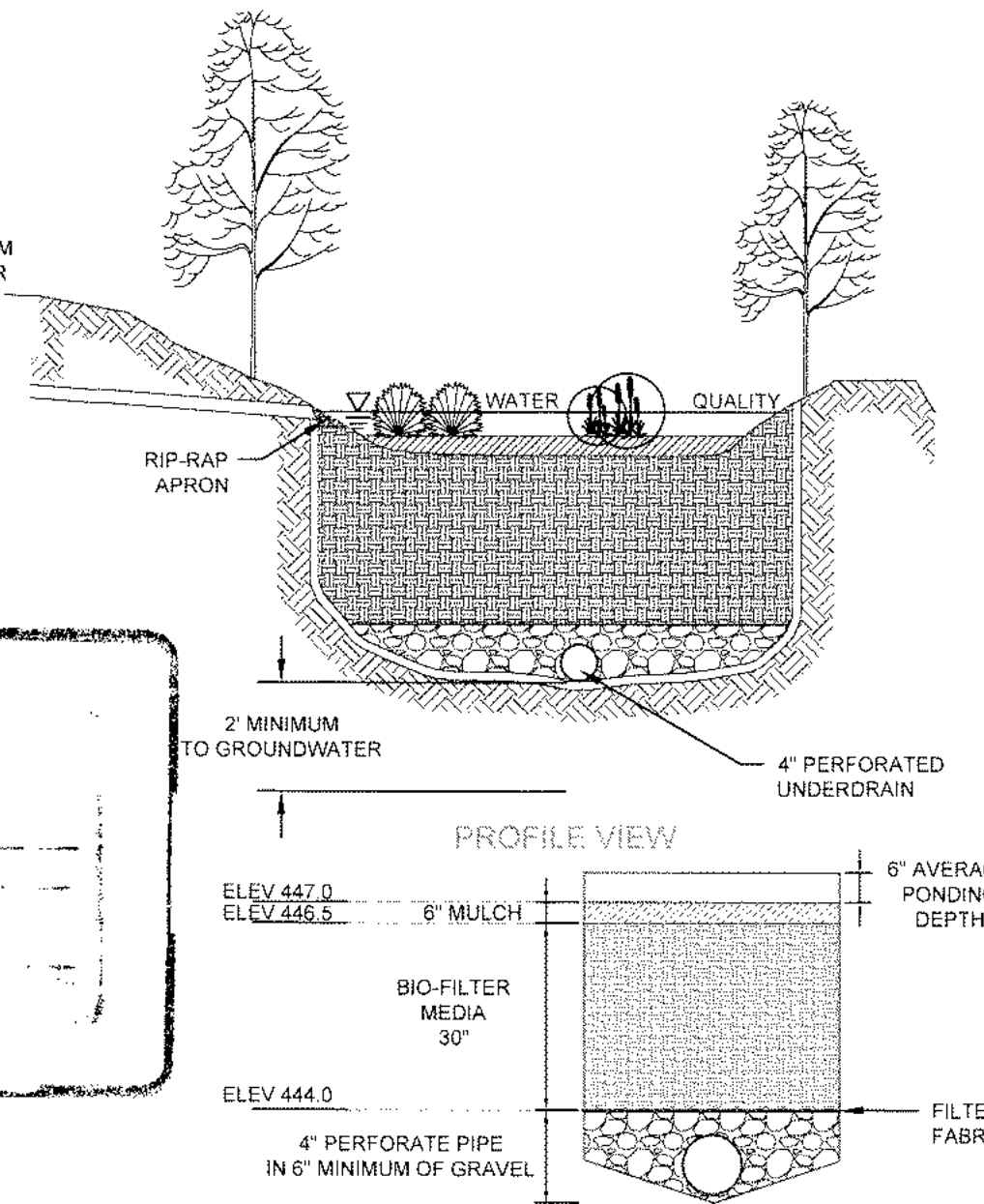
TRASH RACK
SCALE: NTS



POND	CULVERT / ORIFICES	WEIR	RISER	SPILLWAY	SPILLWAY	OUTLET	OUTLET
(OS 101) POND A3	ELEV A (Ø)	ELEV B (Ø)	ELEV C (WIDTH)	ELEV D	ELEVATION	STRUCTURE LENGTH (X)	STRUCTURE WIDTH (Y)
(OS 144) POND A4-A (BIO)	440.00 (12")	N/A	N/A	443.00	443.50	20'	5'-0"
(OS 146) POND A4-B	444.00 (24") (2)	444.01 (3')	445.33 (24"X32" (H) (2)	448.00 (2)	449.50	25'	9'-0"

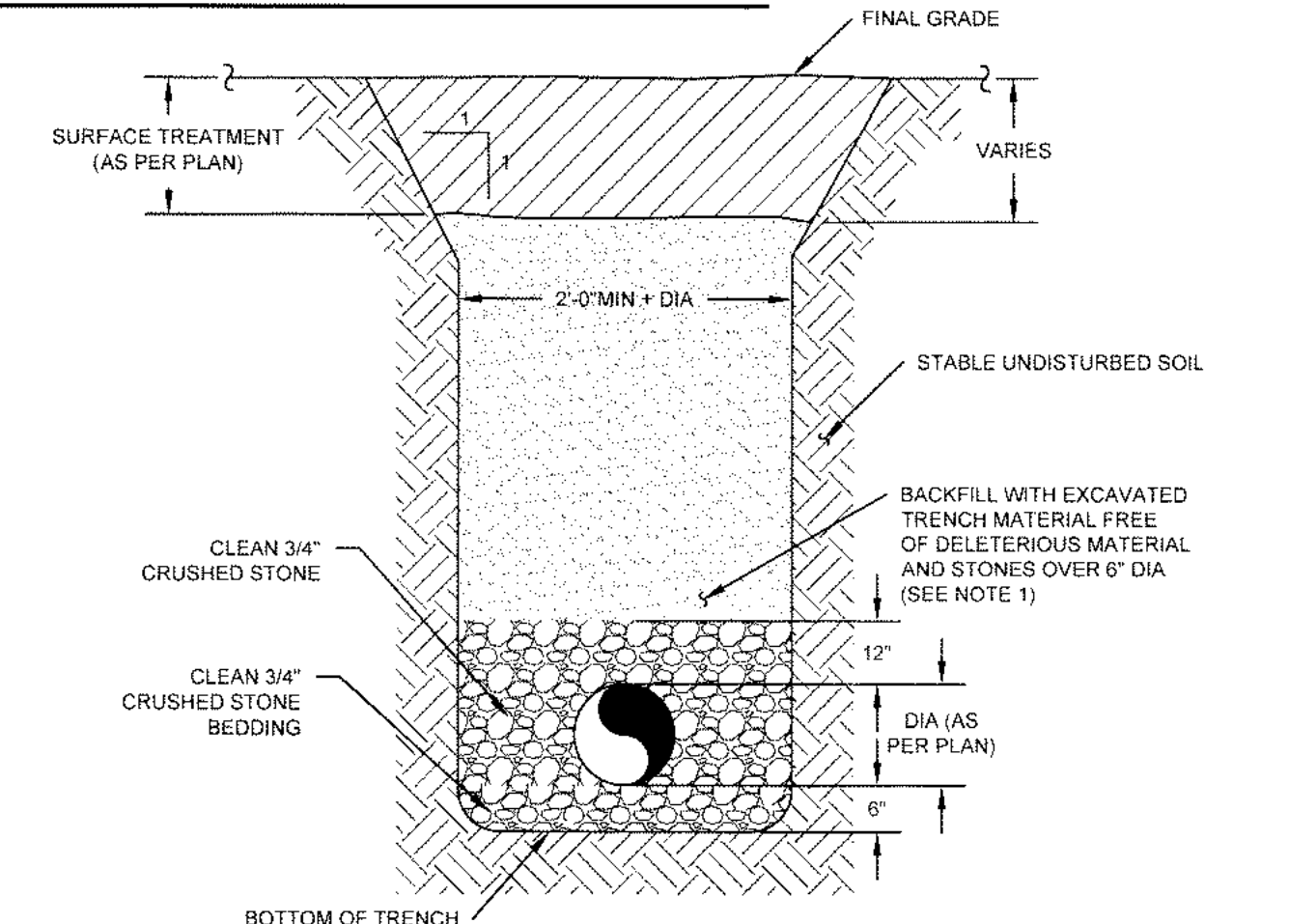
- NOTES**
- FOR LENGTH AND SLOPE OF OUTLET PIPE SEE PLAN
 - OS 146 SHALL HAVE A MINIMUM SUMP OF 30"

DETENTION POND OUTLET STRUCTURE
SCALE: NTS



BIO-FILTER MEDIA SPECIFICATIONS:
BIO-FILTER MEDIA SHALL CONSIST OF A MINIMUM OF 75% CONCRETE SAND AND A MAXIMUM OF 25% TOPSOIL

BIORETENTION FACILITY
SCALE: NTS



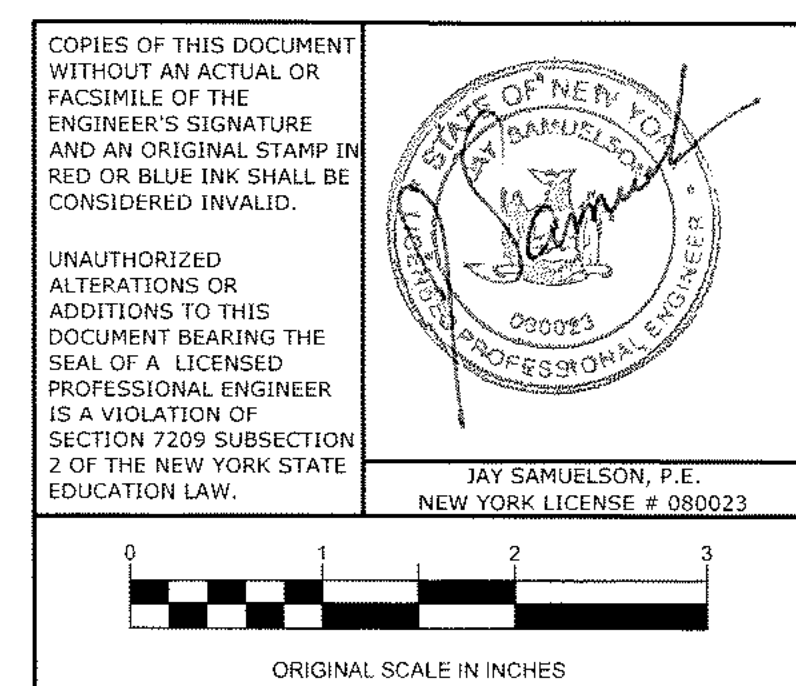
- NOTES**
- ALL BACKFILL WITHIN THE ROAD RIGHT-OF-WAY SHALL BE WITH ITEM 4 (NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST
 - ALL DRAINAGE PIPE SHALL BE HDPE WITH A SMOOTH INVERT
 - ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS

DRAINAGE PIPE TRENCH
SCALE: NTS

No.	DATE	DESCRIPTION
2	04/03/20	REVISED PER MHE COMMENTS 03/10/2020
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4	03/03/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
5	03/16/21	REVISED PER MHE SWPPP COMMENTS 03/12/21
6	04/12/21	REVISED BIO-RETENTION DETAIL
7	04/21/21	REVISED PER MHE COMMENTS
8	05/10/21	REVISED PER MHE COMMENTS
9	06/21/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACOC COMMENTS
13	11/23/21	REVISED PER ACOC COMMENTS
14	12/14/21	REVISED PER OCDOH COMMENTS
15	02/22/22	REVISED PER OCDOH COMMENTS
16	07/11/22	REVISED PER MHE COMMENTS
17	08/10/22	REVISED PER MHE COMMENTS
18	08/24/22	REVISED PER MHE COMMENTS
19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS	ISSUE DATE: 05/08/2023
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR:	SHEET NUMBER
☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	18 OF 22
☐ OCDOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
☐ OCDOH WATERMAIN EXTENSION APPROVAL	N/A OF 9
☒ NYSDOT APPROVAL	18 OF 22
☐ NYSDOT APPROVAL	N/A OF N/A
☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A

THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).



ENGINEERING & SURVEYING PROPERTIES
Achieving Successful Results with Innovative Designs

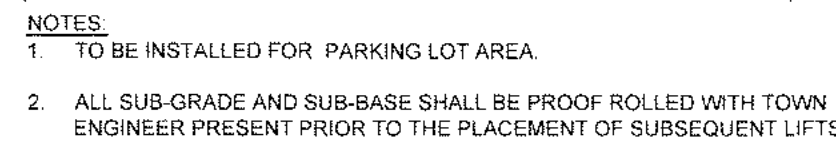
DETAILS

599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALKILL
ORANGE COUNTY, NEW YORK

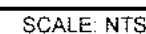
JOB #: 980.1504
DATE: 01/06/20
REVISION: 21 - 05/08/2023

DRAWN BY: JS
SCALE: AS NOTED
TAX LOT: 78-1-94.1

C-303

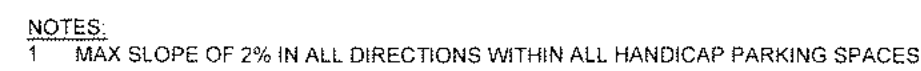


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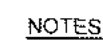
1. CURB EXPANSION JOINTS OF 1/4" PREFORMED BITUMINOUS COATED CELLULOSE OR SIMILAR MATERIAL AT TEN FOOT INTERVALS.
 2. SIDEWALK EXPANSION JOINTS SHALL BE SPACED AT 20' INTERVALS AND SHALL BE 4" DEEP, EDGED WITH 1/4" RADIUS.
 3. ALL CONCRETE FOR SIDEWALKS SHALL BE 4000 PSI AT 28 DAYS WITH TRANSVERSE BROOM FINISH AND CROSS SLOPE.
- ALL SIDEWALKS AND RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT ADA STANDARDS. ANY SIDEWALKS GREATER THAN 8% IN GRADE SHALL BE STEPPED IN ACCORDANCE WITH THE NEW YORK STATE BUILDING CODE REQUIREMENTS.

SCALE: N.T.S



SCALE: NTS

OR



1. ALL SIDEWALKS AND RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT ADA STANDARDS.
2. CURB SHALL BE CAST IN PLACE CONCRETE WITH A STRENGTH OF 4,000 PSI AT 28 DAYS

SCALE: NTS



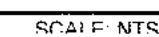
1. CURB SHALL BE CAST IN PLACE.
2. EXPANSION JOINTS OF 1/2" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT 10 FOOT INTERVALS AND WHERE REQUIRED (i.e. CURB BOXES, CATCH BASINS, ETC.)
3. ALL UNDERDRAINS SHALL BE CONNECTED TO NEAREST CATCHBASIN
4. 6" REVEAL CURB TO BE USED FOR CURBS OUTSIDE THE TOWN OF WALLKILL RIGHT OF WAY ONLY.

SCALE: N.T.S.

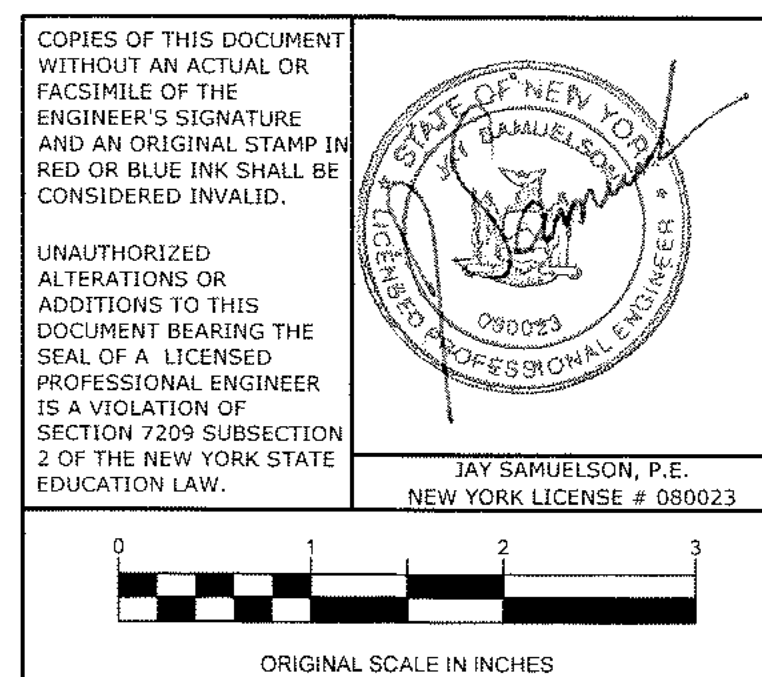
SCALE N.T.S.

1. ALL ASSEMBLY HARDWARE TO BE CAST ALUMINUM WITH ALUMINUM BOLTS.
2. ALL SIGNS SHALL CONFORM TO ALL NYSDOT AND MUTCD REQUIREMENTS

SCALE: NTS



SCALFENTS



 ENGINEERING & SURVEYING PROPERTIES, INC. Achieving Successful Results with Innovative Designs		MONTGOMERY OFFICE 71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7722 WWW.EP-COM.COM	
DETAILS			
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2) 599 EAST MAIN STREET TOWN OF WALLKILL ORANGE COUNTY, NEW YORK			
JOB # : 980.1504		DRAWN BY: JS	
DATE: 01/06/20		SCALE: AS NOTED	
REVISION: 21 - 05/08/08		TAX LOT: 78-1-94-1	
		C-304	

No.	DATE	DESCRIPTION
2	04/30/20	REVISED PER MHE COMMENTS 03/10/2020
3	06/05/20	REVISED PER MHE COMMENTS 04/28/2020
4	03/30/21	REVISED PER MHE SWPPP COMMENTS 02/19/21
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9	05/26/21	REVISED FOR OUTSIDE AGENCY SUBMISSION
10	09/17/21	REVISED PER OUTSIDE AGENCY COMMENTS
11	10/12/21	REVISED PER MHE COMMENTS
12	11/08/21	REVISED PER ACCE COMMENTS
13	11/23/21	REVISED PER ACCE COMMENTS
14	12/14/21	REVISED PER OCDDH COMMENTS
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21	05/08/23	REVISED PER NEW BUILDING LAYOUT

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☐ CONCEPT APPROVAL	N/A	OF	N/A
☒ PLANNING BOARD APPROVAL	19	OF	22
☐ OGDH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
☐ OGDH WATERMAIN EXTENSION APPROVAL	N/A	OF	9
☒ NYSDEC APPROVAL	19	OF	22
☐ NYSDOT APPROVAL	N/A	OF	N/A
☐ OTHER	N/A	OF	2
☐ FOR BID	N/A	OF	N/A
☐ FOR CONSTRUCTION	N/A	OF	N/A

COPIES OF THIS DOCUMENT
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ENGINEER'S SIGNATURE
AND AN ORIGINAL STAMP IN
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CONSIDERED INVALID.

UNAUTHORIZED
ALTERATIONS OR
ADDITIONS TO THIS
DOCUMENT BEARING THE
SEAL OF A LICENSED
PROFESSIONAL ENGINEER
IS A VIOLATION OF
SECTION 7209 SUBSECTION
2 OF THE NEW YORK STATE
EDUCATION LAW.



ORIGINAL



1. BLACK WIRE MESH CAN BE EXTENDED TO A HEIGHT OF 8' IF NECESSARY FOR PROTECTION FROM WILDLIFE.
2. TO BE INSTALLED AROUND PLAYGROUND AND AT TOP OF THE PROPOSED RETAINING WALL

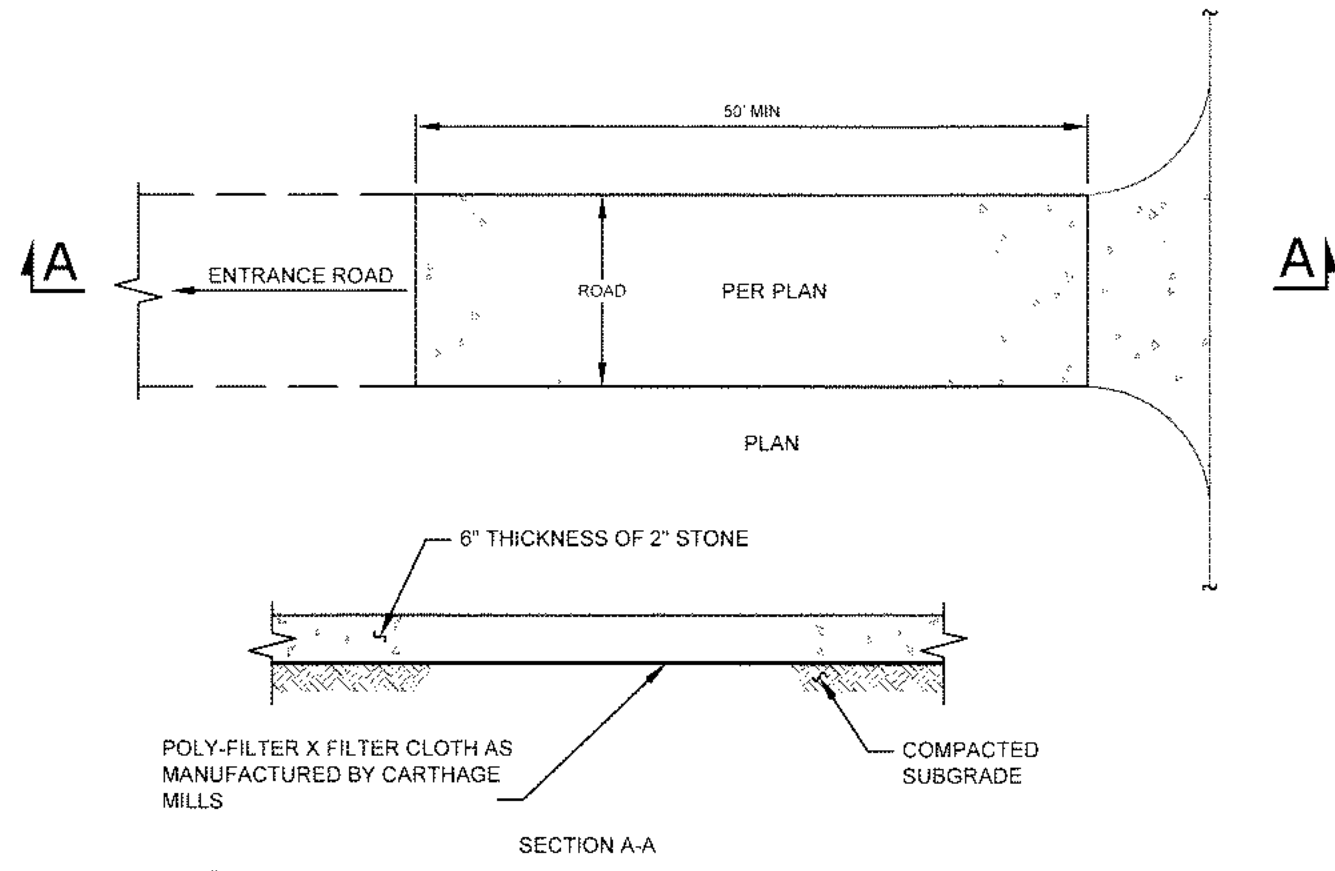
SCALE NOTES



PEDESTRIAN CROSSWALK



PARKING SPACE

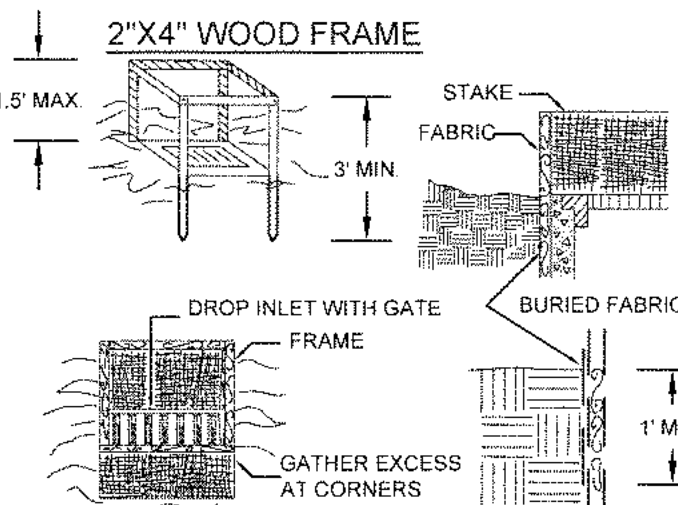


NOTES

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- WIDTH - 24 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTIONS AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS

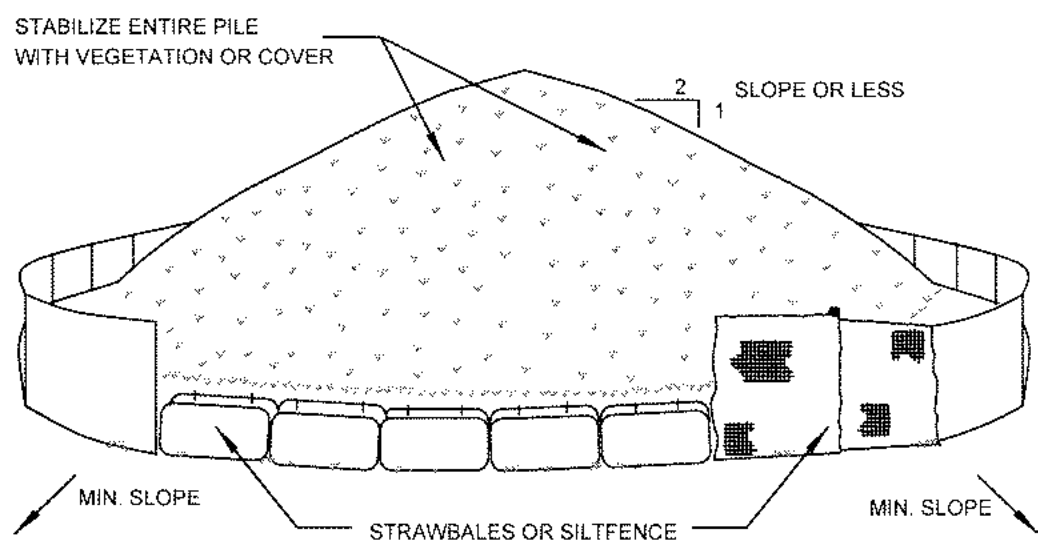


CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2' x 4' WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE.

FILTER FABRIC DROP INLET PROTECTION

NOT TO SCALE

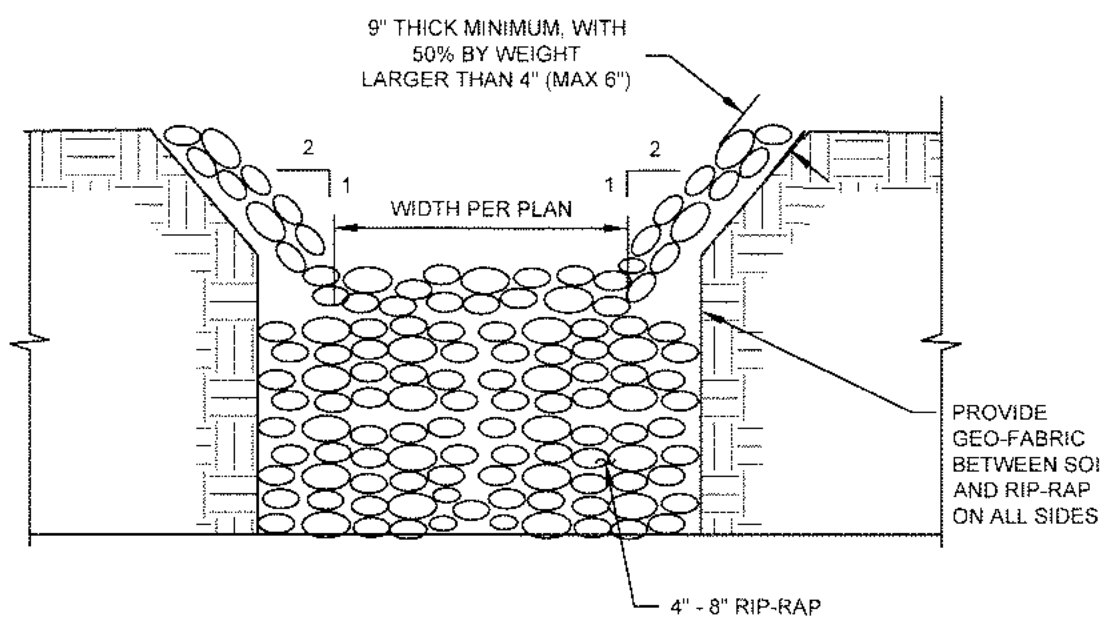


NOTES

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

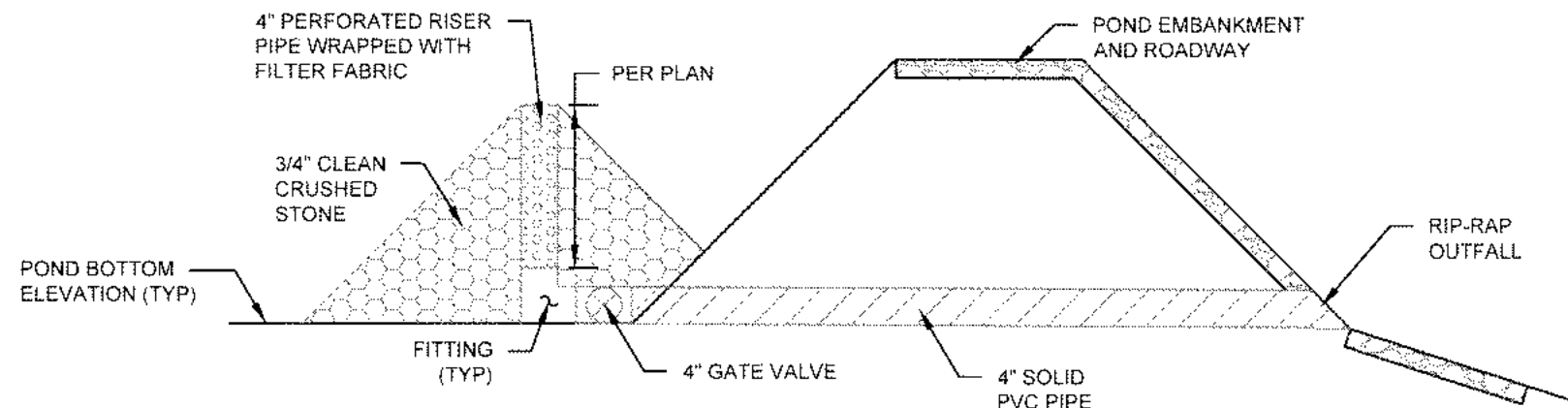
SOIL STOCKPILING

SCALE: NTS



OVERFLOW WEIR(S)

SCALE: NTS

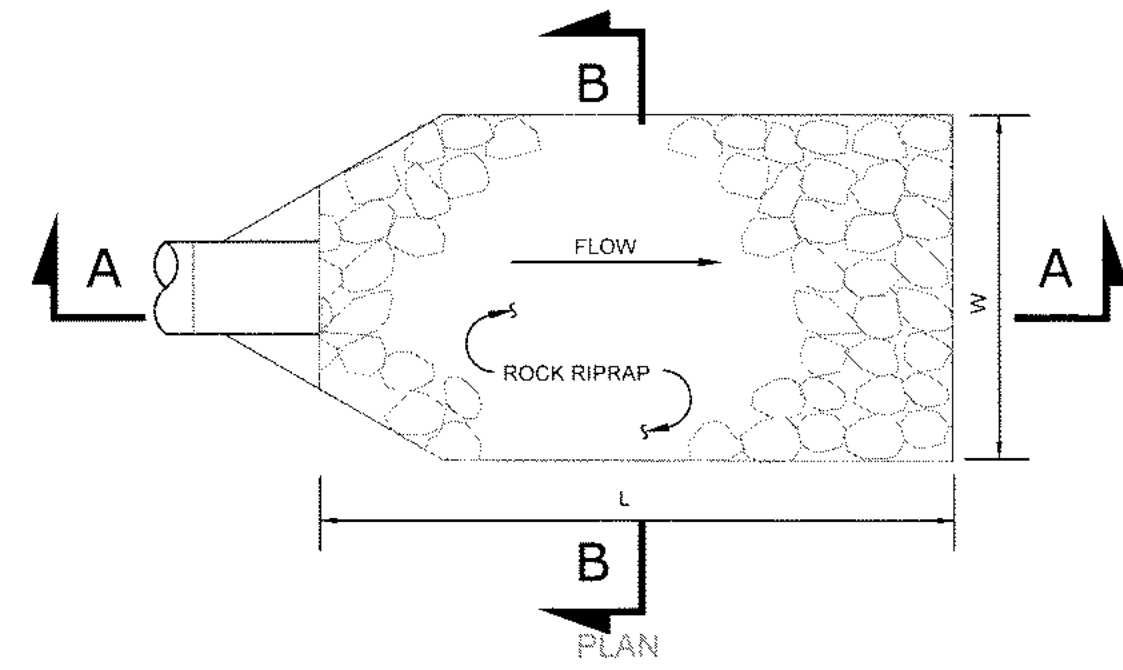


NOTES

- 4" SOLID PVC PIPE AND 4" GATE VALVE SHALL BE INSTALLED FIRST TO ALLOW CONTRACTOR TO DRAIN THE POND IN ORDER TO COMPLETE THE CONSTRUCTION OF THE STORMWATER MANAGEMENT POND. IN THE EVENT THE STORMWATER DETAINED BY THE POND IS SEDIMENT LADEN, THE CONTRACTOR SHALL CLOSE THE VALVE AND PUMP THE STORMWATER TO A SUITABLE BMP.
- ONCE THE CONSTRUCTION OF THE ENTIRE PROJECT IS COMPLETE AND EXPOSED AREAS ARE STABILIZED, THE RISER PIPE AND SOLID PIPE SHALL BE REMOVED OR PERMANENTLY ABANDONED FOR POND A4A.

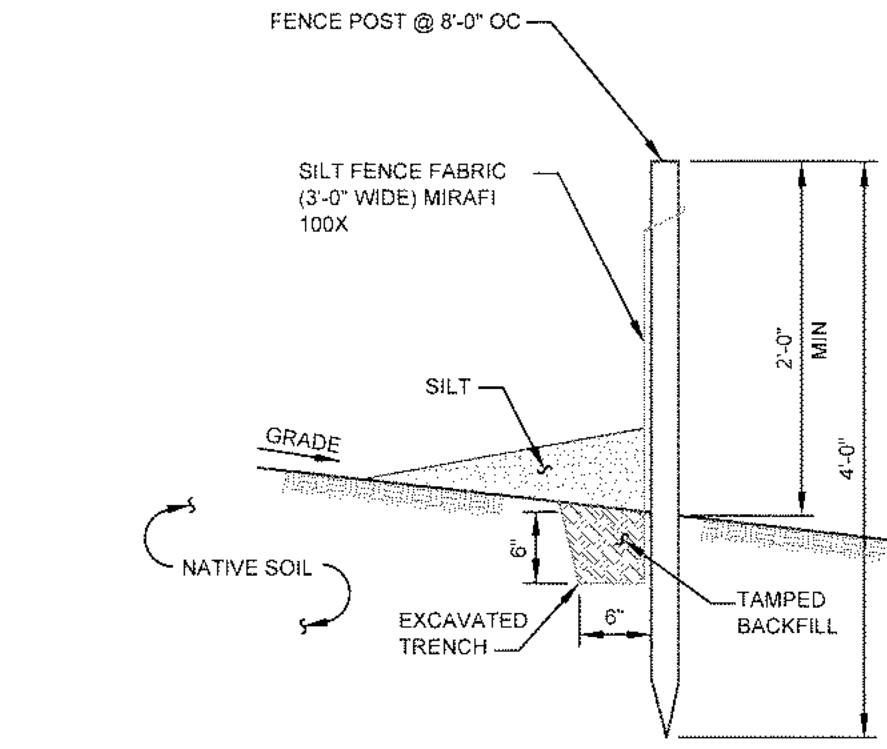
PERFORATED RISER PIPE

SCALE: NTS



SLOPE STABILIZATION (ROLLED EROSION CONTROL PRODUCT)

SCALE: NTS



NOTES

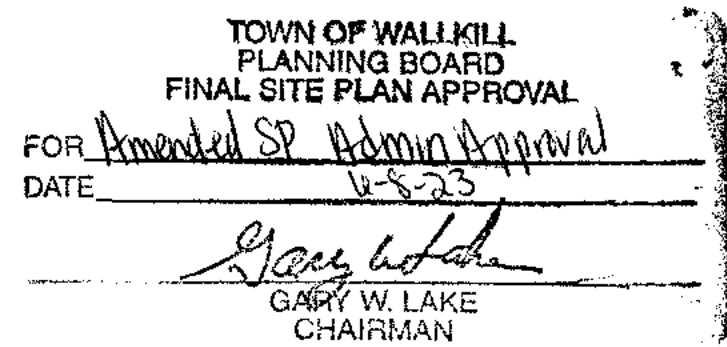
- SILT FENCE TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND SOIL STABILIZATION PERIOD.

SILT FENCE

SCALE: NTS

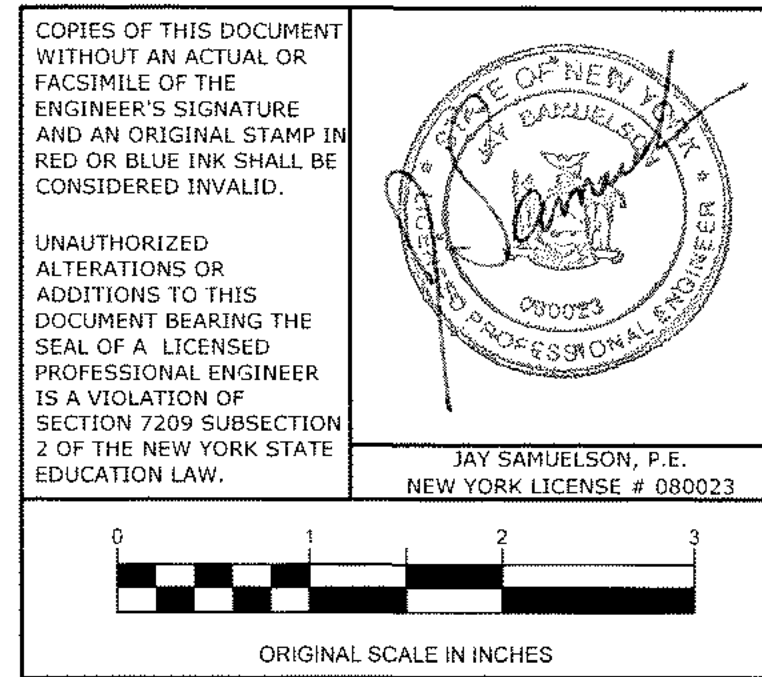
OUTLET PROTECTION SIZING CALCULATIONS

END SECTION	DIA. (in)	Q _{max} (cfs)	V _{max} (ft/s)	D ₅₀ (in)	Q _{max} (in)	L (ft)	W (ft)	T (in)	H (in)
FES 102	15	2.2	1.8	4	6	8	9.25	12	15
FES 111	15	8.5	6.9	4	6	11	12.25	12	15
FES 112	24	32.6	10.4	9	15	20	22	24	24
FES 134	24	34.6	11	9	15	20	22	24	24
FES 145	24	26.7	8.4	9	15	16	18	24	24
FES 153	18	14.0	7.9	6	9	12	13.5	18	18
FES 200	12	4.7	5.9	4	6	11	12.25	12	15



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17	08/10/22	REVISED PER MHE COMMENTS
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19	01/18/23	REVISED HEADWALL
20	01/27/23	REVISED UTILITIES
21	05/08/23	REVISED PER NEW BUILDING LAYOUT

DRAWING STATUS	ISSUE DATE: 05/08/2023
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☐ CONCEPT APPROVAL	N/A OF N/A
☒ PLANNING BOARD APPROVAL	20 OF 22
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☐ OGDH WATERMAIN EXTENSION APPROVAL	N/A OF 9
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☐ OTHER	N/A OF 2
☐ FOR BID	N/A OF N/A
☐ FOR CONSTRUCTION	N/A OF N/A



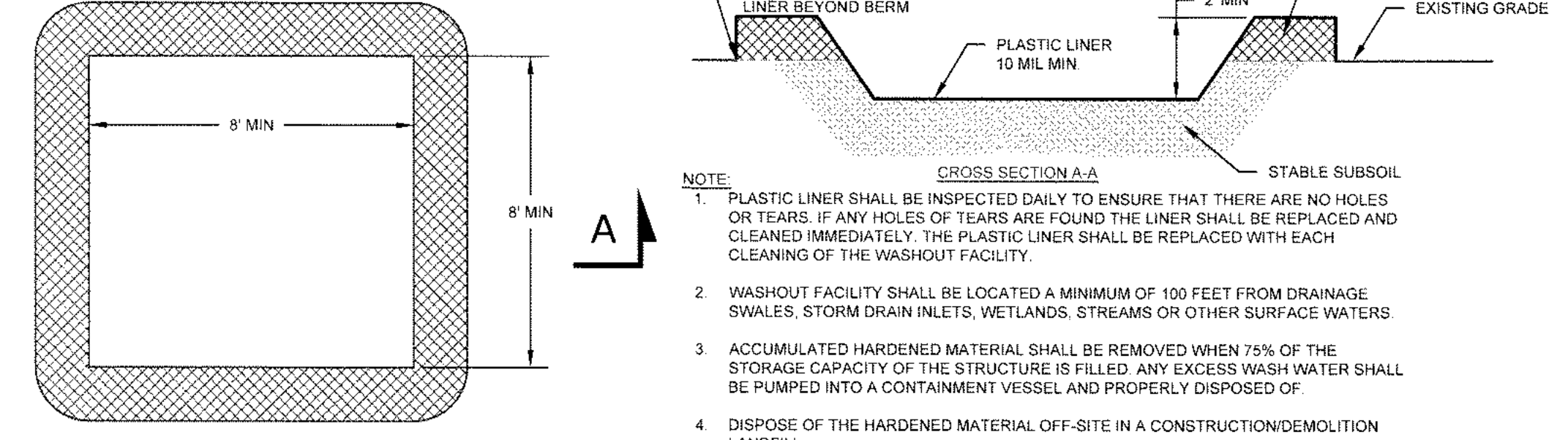
ENGINEERING & SURVEYING PROPERTIES	MONTGOMERY OFFICE
71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 WWW.EP-PC.COM	599 E. MAIN ST. - RDM WAREHOUSE (LOT 2) 599 EAST MAIN STREET TOWN OF WALLKILL ORANGE COUNTY, NEW YORK
JOB #: 980.1504 DATE: 01/06/20 REVISION: 21 - 05/08/2023	DRAWN BY: JS SCALE: AS NOTED TAX LOT: 78-1-94.1 C-305

SEQUENCE OF CONSTRUCTION ACTIVITY

- A MEETING WITH TOWN REPRESENTATIVES, INCLUDING TOWN ENGINEER, AS WELL AS CONTRACTORS, PROJECT MANAGER AND FOREMAN, IS TO TAKE PLACE A MINIMUM OF ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION STAGING: STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWN HILL OF PROPOSED CONSTRUCTION. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND STABILIZE CONSTRUCTION ROAD(S). INSTALL TEMPORARY SEDIMENT TRAP. INSTALL PERMANENT/TEMPORARY GRASSED SWALES.
- CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF CONSTRUCTION. STRIP TOPSOIL AND STOCKPILE IN AREAS SHOWN ON THE PLAN. INSTALL SEDIMENT BARRIERS AROUND AND ESTABLISH TEMPORARY VEGETATION ON TOPSOIL STOCKPILES.
- ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON THE PLAN. IMPLEMENT DUST CONTROL MEASURES AS NECESSARY. ESTABLISH PERMANENT STABILIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABILIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 21 DAYS FROM LAST DISTURBANCE.
- ROAD/BUILDING CONSTRUCTION AND UTILITY INSTALLATION: FINAL GRADING AND CONSTRUCTION OF ROADWAYS. BUILDING EXCAVATION AND CONSTRUCTION. INSTALL UTILITIES. INSTALL DRAINAGE INLET AND OUTLET PROTECTION AS EACH INLET/OUTLET IS CONSTRUCTED. ENSURE ALL EROSION CONTROL MEASURES ARE IN WORKING ORDER.
- FINAL GRADING AND LANDSCAPING: REMOVE TEMPORARY SEDIMENT TRAPS AND INSTALL PERMANENT WATER QUALITY/QUANTITY FACILITY. COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR PERMANENT SEEDING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UNSTABILIZED AREAS. INSTALL ALL SITE LANDSCAPING AND PLANTINGS.
- POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND ESTABLISHMENT OF ALL VEGETATION COVER, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE. REMOVE ALL SILT AND DEBRIS FROM THE SITE INCLUDING ROADWAYS, CATCH BASINS AND STORM DRAINS.

EARTHWORK CONSTRUCTION NOTES

- ALL WORK TO BE PERFORMED TO THE SPECIFICATIONS OF THE TOWN OF WALLKILL.
- ALL TOPSOIL, ROOTS, STUMPS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM ALL CONSTRUCTION AREAS.
- ALL FILL FOR POND CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
- CELLAR, ROOF AND FOOTING DRAINS SHALL CONNECT TO THE STORM DRAINAGE SYSTEM OR OTHER FREE-FLOWING OUTLET AT A MINIMUM SLOPE OF 0.5%. FOOTING DRAIN SHALL BE INSTALLED BENEATH BOTTOM OF FOOTING.
- COMPLETION OF GRADING AND BASIN, BERMS AFTER OCTOBER 15 SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL".
- ALL SLOPES IN EXCESS OF 3H:1V SHALL BE CONSTRUCTED WITH LOCALLY AVAILABLE GLACIAL TILL. THE EMBANKMENT FILL SHALL BE PLACED IN SIX-INCH THICK LIFTS. EACH LIFT SHALL BE PLACED AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
- CONSTRUCT POND EMBANKMENT WITH LOCALLY AVAILABLE GLACIAL TILL WITH 3H:1V SIDE SLOPES OR AS NOTED ON PLAN. THE EMBANKMENT FILL SHALL BE PLACED IN A SIX-INCH THICK CONTINUOUS LAYER OVER THE ENTIRE LENGTH. EACH LIFT SHALL BE PLACED AT OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
- STABILIZATION OF POND BERMS, AND ALL SLOPES IN EXCESS OF 3H:1V IN ACCORDANCE WITH EROSION AND SEDIMENTATION CONTROL NOTES.
- ALL POND OUTLETS SHALL HAVE SEEPAGE CONTROL COLLARS PLACED AT 1/3 AND 2/3 THE WIDTH OF THE EMBANKMENT.
- SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PERVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING:
 - APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
 - TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER. MIXING, AND CIRCULATING AIR AND COMPOST INTO SUB-SOILS.
 - ROCK-PICK UNTIL UNLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
 - APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
 - VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN.



CONCRETE WASHOUT

SCALE: NTS

NOTE

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

WETLAND PLANTINGS

NOTES:

- THE GRASSES AND WILDFLOWERS LISTED BELOW ARE ACCEPTABLE TYPES THAT CAN BE UTILIZED IN THE SPECIFIED AREAS AS NOTED.
- A RANDOM MIX OF THE TREES AND SHRUBS LISTED BELOW SHALL BE UTILIZED WITHIN THE MITIGATION AREA.
- THE MITIGATION SITE SHOULD BE MONITORED DURING CONSTRUCTION AND PRIOR TO VEGETATION INSTALLED TO CONFIRM HYDROLOGY IN DETERMINING INSTALLATION LOCATIONS.
- ALL GRASS AND WILDFLOWER MIXES SHALL BE PLANTED DURING SPRING OR FALL PLANTING SEASONS WITH THE EXCEPTION OF SWITCHGRASS. SWITCHGRASS SHOULD BE OVERSEED DURING LATE WINTER WHEN FREEZE-THAW ACTION WILL ASSURE ADEQUATE SEED TO SOIL CONTACT.
- STRAW MULCH SHALL BE ADDED AT 1 TON PER ACRE IN ALL PLANTING AREAS.

GRASSED & WILDFLOWERS FLAT AREAS MIX (±43,850 SF) (WITHIN MITIGATION AREA)

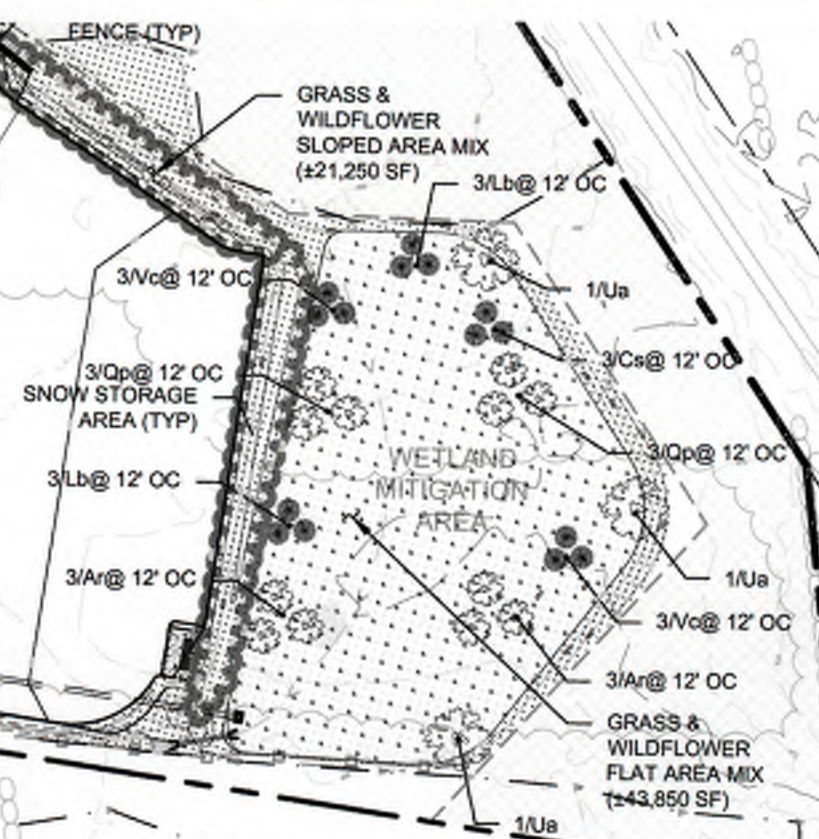
Scientific name	Common Name	Qty (Bulk)
<i>Agrostis stolonifera</i>	Creeping Bentgrass	1 lb/acre
<i>Alopecurus pratensis</i>	Meadow Foxtail	2 lb/acre
<i>Asclepias incarnata</i>	Swamp Milkweed	0.2 lb/acre
<i>Aster novae-angliae</i>	New England Aster	0.05 lb/acre
<i>Aster puniceus</i>	Purple-stemmed Aster	0.05 lb/acre
<i>Bromus altissimus</i>	Wild Brome Grass	0.25 lb/acre
<i>Carex crinita</i>	Fringed Sedge	0.5 lb/acre
<i>Carex vulpinoidea</i>	Fox Sedge	2 lb/acre
<i>Elymus virginicus</i>	Virginia Wild Rye	2 lb/acre
<i>Eupatorium perfoliatum</i>	Boneset	0.1 lb/acre
<i>Glyceria striata</i>	Fowl Mannagrass	0.25 lb/acre
<i>Leersia oryzoides</i>	Rice Cut-Grass	1 lb/acre
<i>Panicum virgatum</i>	Switchgrass	2 lb/acre
<i>Scirpus atrovirens</i>	Green Bulrush	0.25 lb/acre
<i>Scirpus cyperinus</i>	Wool Grass	0.3 lb/acre
<i>Scirpus polyphyllus</i>	Many-leaved Bulrush	0.2 lb/acre
<i>Scirpus pungens</i>	Common Three Square	0.1 lb/acre
<i>Verbena hastata</i>	Blue Vervain	0.1 lb/acre
<i>Vernonia noveboracensis</i>	New York Ironweed	0.1 lb/acre
	Annual Ryegrass	10 lb/acre

GRASSED & WILDFLOWER SLOPED AREAS MIX (±21,250 SF) (OUTSIDE MITIGATION AREA ON SLOPES)

Scientific name	Common Name	Variety	Qty (Bulk)
<i>Andropogon virginicus</i>	Broomsedge		0.5 lb/acre
<i>Bouteloua curtipendula</i>	Side Oats Grama	Trailway	2 lb/acre
<i>Bouteloua gracilis</i>	Blue Grama		2 lb/acre
<i>Festuca longifolia</i>	Hard Fescue	SR 3100	1 lb/acre
<i>Festuca ovina</i>	Sheep's Fescue		5 lb/acre
<i>Festuca rubra var. commutata</i>	Chewing Fescue	SR5100	0.5 lb/acre
<i>Koeleria cristata (pyramidalis)</i>	Prairie Junegrass		0.5 lb/acre
<i>Panicum clandestinum</i>	Toga Deerfongue		2 lb/acre
<i>Schizochrium scoparium</i>	Little Blue Stem	Camper	4 lb/acre
<i>Panicum virgatum</i>	Switchgrass		1 lb/acre
	Annual Ryegrass*		5 lb/acre

TREES AND SHRUBS

TREE AND SHRUB SPECIES	QUANTITY	SOURCE & DIAMETER
<i>Acer rubrum</i> (Red Maple, FAC)	6	3 - 3 1/2" cal
<i>Quercus palustris</i> (Pin Oak, FACW)	3	2 1/2 - 3" cal
<i>Ulmus americana</i> (American Elm, FACW-)	6	3 - 3 1/2" cal
<i>Lindera benzoin</i> (Spice-Bush, FACW)	6	24" - 30"
<i>Cornus stolonifera</i> (Red Osier Dogwood, FACW)	3	24" - 30"
<i>Vaccinium corymbosum</i> (Highbush Blueberry, FACW-)	6	24" - 30"



MITIGATION PLANTING PLAN
SCALE: 1"=100'

TEST PIT RESULTS

TEST HOLE #	SURFACE ELEVATION	DEPTH	DESCRIPTION
A	469.20	0'-18" 18"-54" 54"-108" 108"	TOPSOIL BROWN MOIST SILT LOAM WITH CLAY & COBBLES DENSE WET CLAY WITH SAND & GRAVEL, SEE PAGE @ ±65" END OF TEST PIT
B	467.16	0'-15" 15"-39" 39"-96" 96"	TOPSOIL BROWN MOIST SILT LOAM WITH CLAY & COBBLES DENSE WET CLAY WITH SAND & GRAVEL, SEE PAGE @ ±41" END OF TEST PIT

LEGEND

	LIMIT OF ACOE WETLAND PER 2008 JURISDICTIONAL DETERMINATION
	LIMIT OF ACOE WETLAND PER DECEMBER 2019 JOINT FIELD WALK
	EXISTING STREAM WITHIN ACOE WETLAND
	ACOE WETLAND PER 2008 JURISDICTIONAL DETERMINATION
	ACOE WETLAND PER DECEMBER 2019 JOINT FIELD WALK
	PROPOSED ACOE WETLAND DISTURBANCE AREA

ACOE WETLAND DISTURBANCE AREAS

DESCRIPTION	WETLAND DISTURBANCE (Ac.)	STREAM DISTURBANCE (LF)	PREVIOUSLY DISTURBED AREA
AREA "1"	0.062	60	NO
AREA "2"	0.047	0	NO
AREA "3"	0.322	550	NO
AREA "4"	0.036	0	NO
AREA "A"	0.012	65	YES
AREA "B"	0.017	0	YES
TOTAL	0.496	675	

GENERAL NOTES

- TAX MAP IDENTIFICATION NUMBER: 78-1-94.1
- BOUNDARY AND TOPOGRAPHICAL INFORMATION TAKEN FROM A MAP "COMMERCIAL REALTY SUBDIVISION & LOT LINE CHANGE PLAN" BY ENGINEERING & SURVEYING PROPERTIES, PC DATED JULY 2, 2019.
- THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES, PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMs) AS DERIVED FROM 2012 SOURCE DATA. THE DEMS WERE PROVIDED BY NYS GIS GOV AND CORRESPOND TO ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD.
- OWNER/APPLICANT: 599 E. MAIN PROJECT, LLC
86 ROUTE 59
SPRING VALLEY, NY, 10977
- THE WETLAND FLAGS AND BOUNDARIES SHOWN HEREON ARE THE RESULT OF AN ACTUAL FIELD DELINEATION PERFORMED BY PETER D. TORGENSEN ON SEPTEMBER 2019, AND GPS LOCATED BY ENGINEERING & SURVEYING PROPERTIES, PC ON SEPTEMBER 2019, AND FILED VERIFIED BY BRIAN ORZEL FROM ARMY CORPS OF ENGINEERS ON DECEMBER 10, 2019.
- ADDITIONAL WETLANDS FROM THE JURISDICTIONAL DETERMINATION OF 2008 WHICH WAS COMPLETED FOR THE PROPOSED QUICK CHECK DEVELOPMENT AT THAT TIME. THERE WAS NO DISTURBANCE OF THE WETLANDS ASSOCIATED WITH THE QUICK CHECK PROJECT. THERE ARE AREAS OF PREVIOUS DISTURBANCE OF THE WETLANDS WHICH INCLUDE ROAD CONSTRUCTION ASSOCIATED WITH THE HOLIDAY INN EXPRESS AND FILL PLACED FOR A PARKING & LOADING EXPANSION OF MICHAEL'S APPLIANCE. THESE DISTURBANCES ARE SHOWN ON THE PLAN AND INCLUDED IN THE TOTAL DISTURBANCE AREA.
- THE DEVELOPMENT SHOWN ON LOTS 1, 4 & 5 ARE CONCEPTUAL WHICH MAY CHANGE AND ARE SHOWN PER THE ACOE REQUEST ONLY.
- ANY FUTURE DEVELOPMENT ON LOTS 1, 4 & 5 SHALL NOT BE PERMITTED TO DISTURB ANY ADDITIONAL WETLANDS.
- DUE TO THE PROXIMITY OF THE PROJECT SITE TO KNOWN NORTHERN LONG-EARED BAT HIBERNACULUM, POTENTIAL ROOST TREES SHALL ONLY BE CUT AND REMOVED DURING KNOWN HIBERNATION MONTHS BETWEEN THE DATES OF NOVEMBER 1ST THROUGH MARCH 31ST, IN ORDER TO AVOID DIRECT ADVERSE IMPACTS TO THE SPECIES.
- DUE TO THE PROXIMITY OF THE PROJECT SITE TO KNOWN INDIANA BAT HIBERNACULUM, POTENTIAL ROOST TREES SHALL ONLY BE CUT AND REMOVED DURING KNOWN HIBERNATION MONTHS BETWEEN THE DATES OF OCTOBER 1ST THROUGH MARCH 31ST, IN ORDER TO AVOID DIRECT ADVERSE IMPACTS TO THE SPECIES.

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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 080023

100 0 50 100 200
1 inch = 100 ft.

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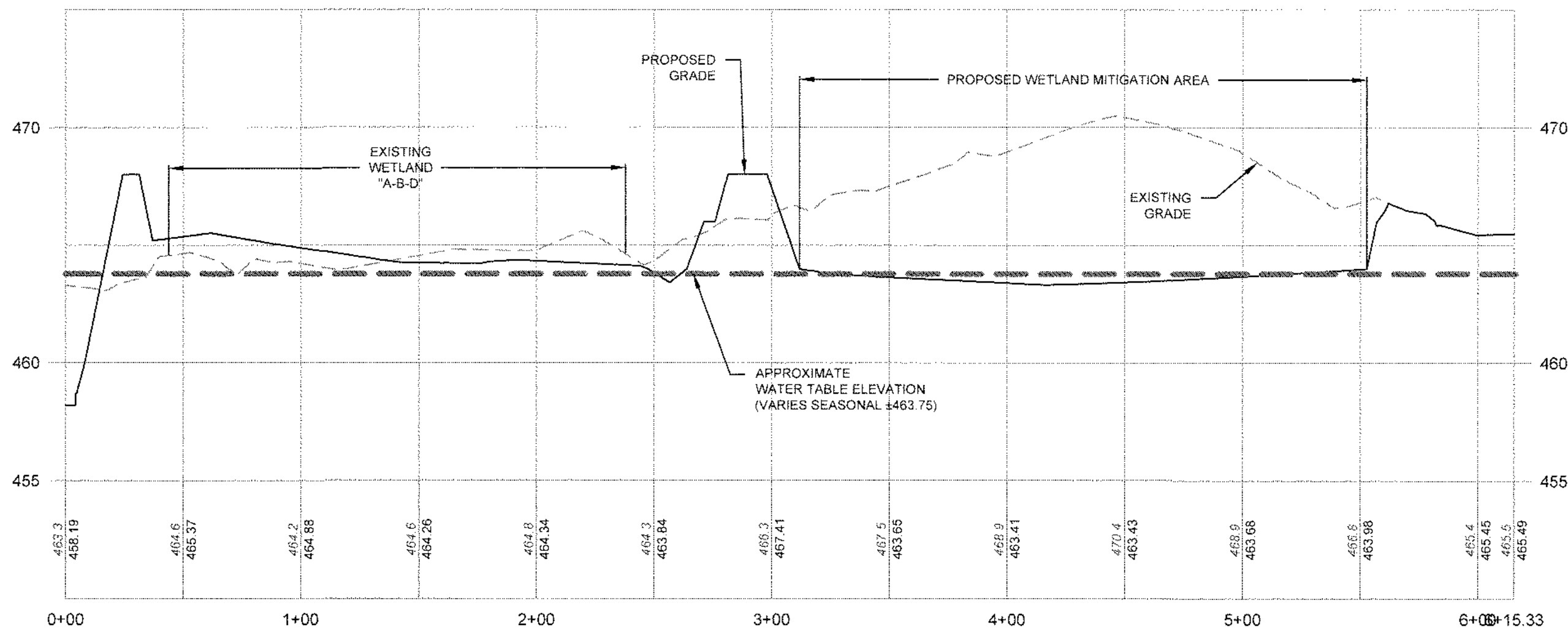
OVERALL GRADING & WETLAND MITIGATION PLAN
599 E. MAIN ST. - RDM WAREHOUSE (LOT 2)
599 EAST MAIN STREET
TOWN OF WALLKILL
ORANGE COUNTY, NEW YORK

JOB #: 980.1504
DATE: 01/06/20
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DRAWN BY: JS
SCALE: 1"=100'
TAX LOT: 78-1-94.1

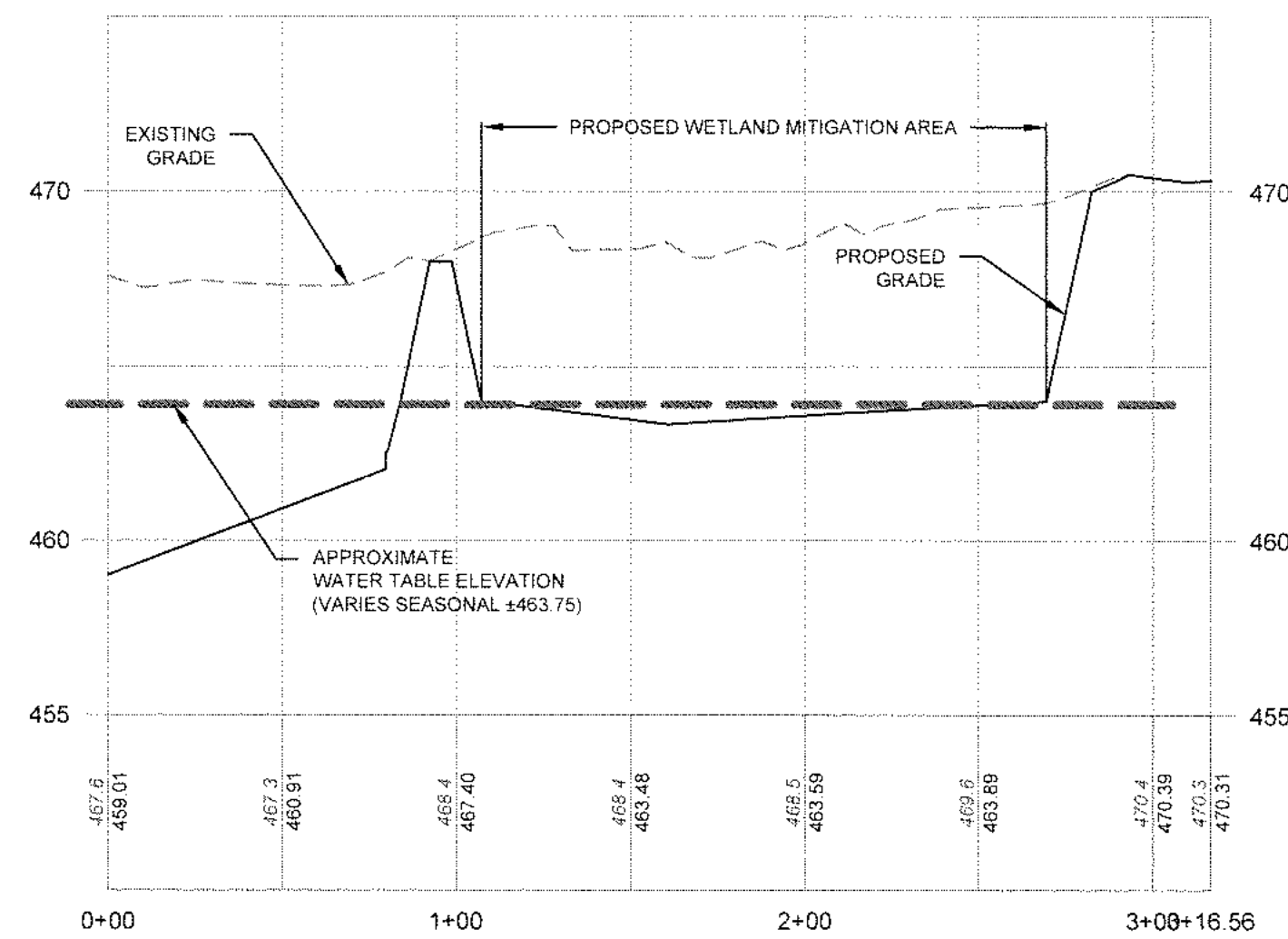
ACOE-1

TOWN OF WALLKILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE: 11-8-23
GARY W. LAKE
CHAIRMAN



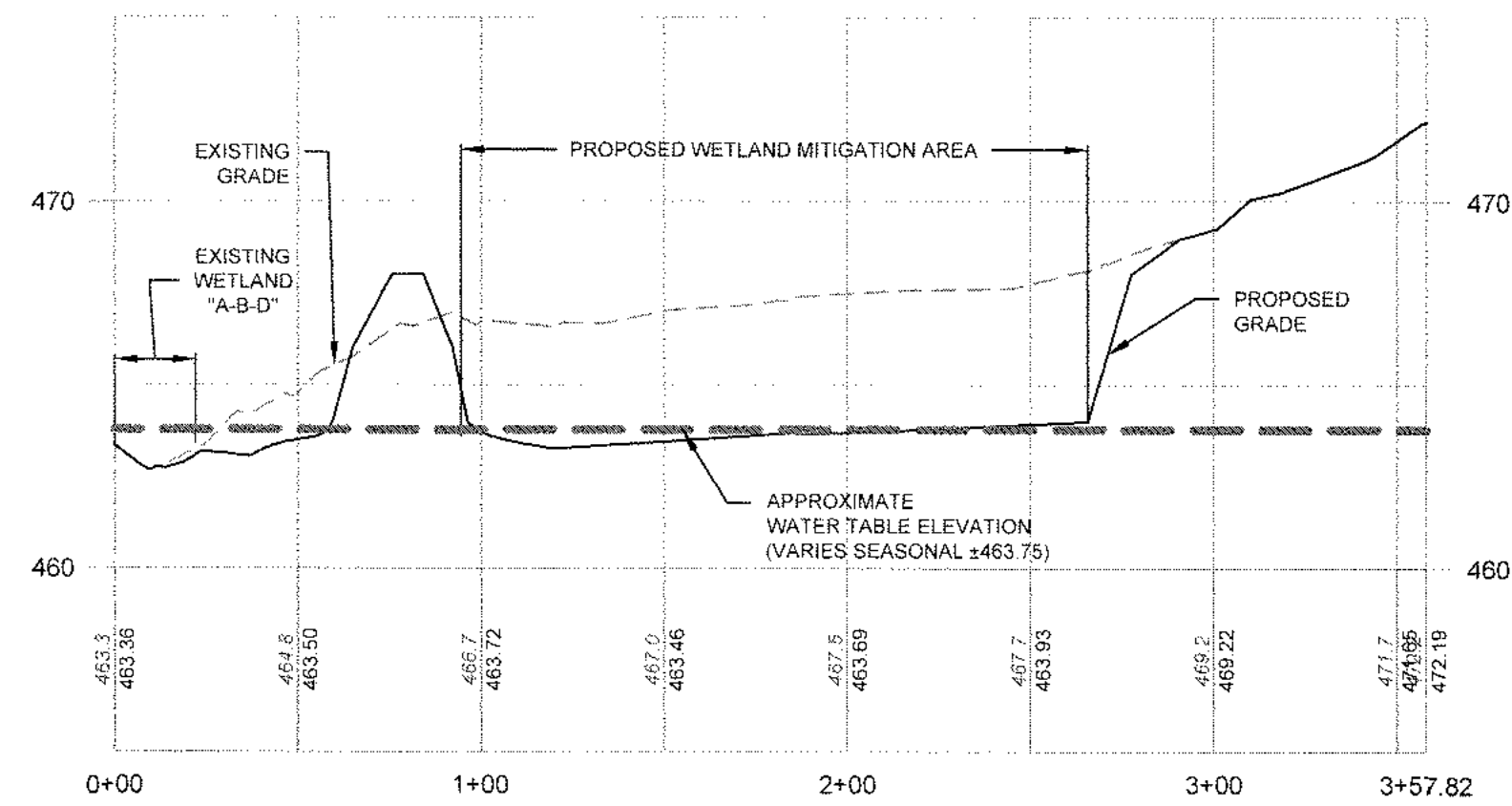
WETLAND MITIGATION CROSS SECTION "A-1"

SCALE: 1" = 50' H
1" = 5' V



WETLAND MITIGATION CROSS SECTION "B-2"

SCALE: 1" = 50' H
1" = 5' V



WETLAND MITIGATION CROSS SECTION "C-3"

SCALE: 1" = 50' H
1" = 5' V

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SCALE: AS NOTED
TAX LOT: 78-1-94.1

ACOE-2

TOWN OF WALKILL PB SHEET 27 OF 27

TOWN OF WALKILL
PLANNING BOARD
FINAL SITE PLAN APPROVAL
FOR Amended SP Admin Approval
DATE: 10-8-23

Jay Lake
JAY W. LAKE
CHAIRMAN