

Proposed Warehouse Building

Amherst, New York

AGENCIES

ENGINEERING DEPARTMENT

NAME/TITLE: JEFFERY BURROUGHS, P.E. — TOWN ENGINEER
COMPANY/DEPT: TOWN OF AMHERST ENGINEERING DEPARTMENT
ADDRESS: 1100 NORTH FOREST ROAD
WILLIAMSVILLE, NEW YORK 14221

TELEPHONE 716-631-7154

PLANNING & ZONING DEPARTMENT

NAME/TITLE: DANIEL HOWARD — PLANNING DIRECTOR
COMPANY/DEPT: TOWN OF AMHERST PLANNING DEPARTMENT
ADDRESS: 5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221

TELEPHONE 716-631-7051

BUILDING DEPT.

NAME/TITLE: BERKE, MARK S. — COMMISSIONER OF BUILDING
COMPANY/DEPT.: TOWN OF AMHERST BUILDING DEPT.
5583 MAIN ST.
AMHERST, NEW YORK 14221

TELEPHONE 716-631-7080

ECDOH

NAME/TITLE:
COMPANY/DEPT.: ERIE COUNTY DEPARTMENT OF HEALTH
503 KENSINGTON AVE
ADDRESS: BUFFALO, NEW YORK 14214

TELEPHONE 716-961-6854

NYSDEC

NAME/TITLE:
COMPANY/DEPT: NEW YORK STATE DEPT. OF ENVIRONMENTAL
CONSERVATION
700 DELAWARE AVE.
ADDRESS: BUFFALO, NEW YORK 14209

TELEPHONE 716-851-7070

UTILITIES

NATURAL GAS

COMPANY/DEPT.: NATIONAL FUEL GAS CORP.
ADDRESS: 6363 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221

TELEPHONE 716-857-7000

TELEPHONE COMPANY

COMPANY/DEPT: VERIZON
ADDRESS: 65 FRANKLIN STREET
BUFFALO, NEW YORK 14203

TELEPHONE 716-840-8748

CABLE COMPANY

COMPANY/DEPT: TIME WARNER
ADDRESS: 789 CHURCH ROAD
WEST SENECA, NEW YORK

TELEPHONE 716-558-8615

ELECTRIC COMPANY

COMPANY/DEPT: NATIONAL GRID
ADDRESS: 144 KENSINGTON AVENUE
BUFFALO, NEW YORK 14214

TELEPHONE 716-236-2738

WATER

COMPANY/DEPT.: ERIE COUNTY WATER AUTHORITY
ADDRESS: 3030 UNION ROAD
CHEEKTOWAGA, NEW YORK 14227

TELEPHONE 716-684-1510

DIG SAFELY NEW YORK

TELEPHONE 1-800-962-7962

DESIGN CONSULTANTS

PROJECT SURVEYOR

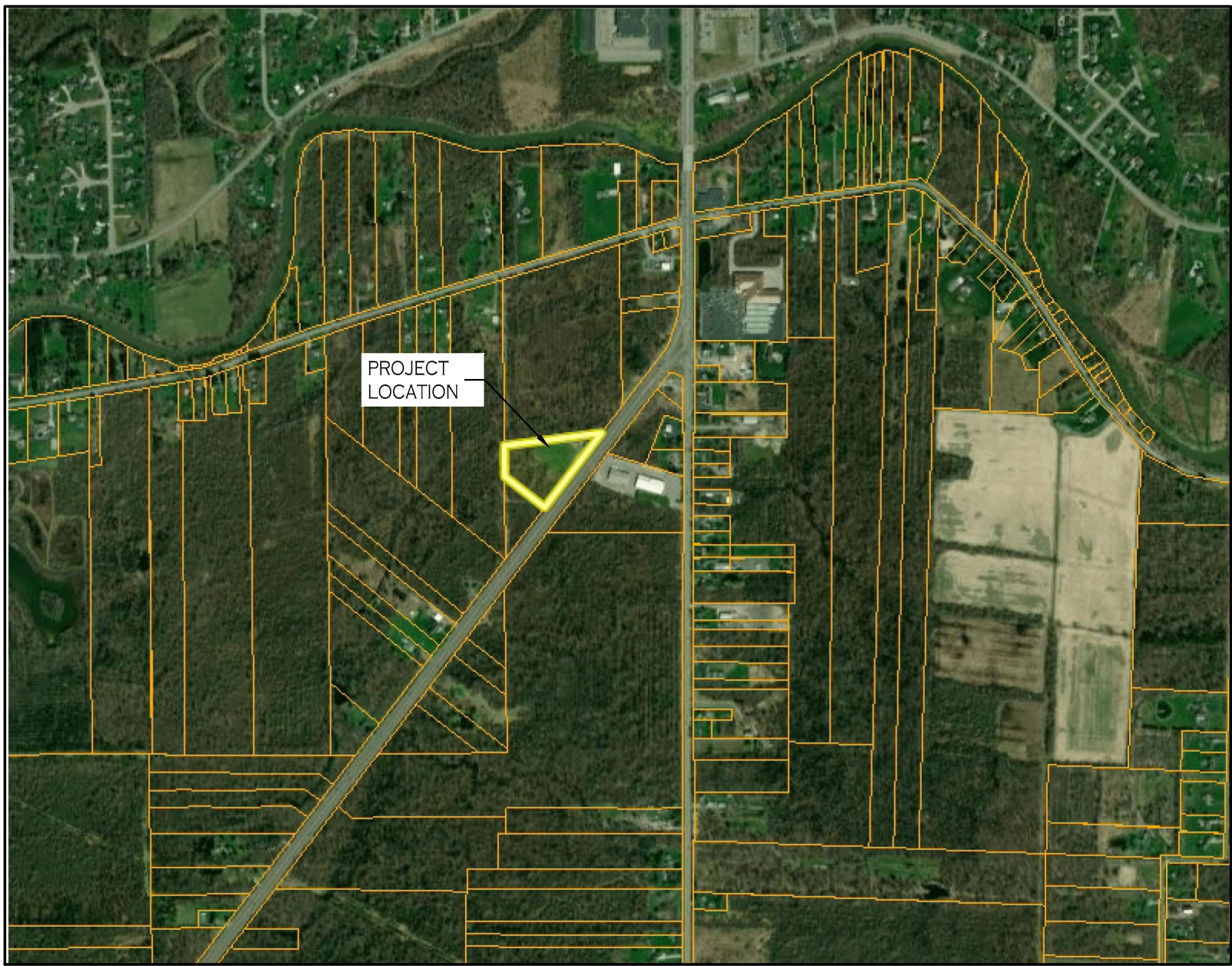
NAME/TITLE:
COMPANY/DEPT.: GPI ENGINEERING, LANDSCAPE,
ARCHITECTURE & SURVEYING, LLP
ADDRESS: 4950 GENESEE STREET, SUITE 100
BUFFALO, NEW YORK 14225

TELEPHONE 716-633-4844

OWNER/DEVELOPER

NAME: STEPHENS PLUMBING
ADDRESS: 5500 MILLERSPORT HIGHWAY
EAST AMHERST, NY 14051

CONTACT: KEVIN STEPHENS
TELEPHONE 716-512-9451



LOCATION MAP
NOT TO SCALE



DRAWING NO.	DRAWING TITLE
—	COVER SHEET
—	LAND SURVEY (PREPARED BY GPI ENGINEERING)
C-001	EROSION CONTROL PLAN
C-002	EROSION CONTROL DETAILS
C-100	SITE PLAN
C-101	SITE DETAILS
C-200	GRADING PLAN
C-300	STORM DRAINAGE PLAN
C-301	BASIN DETAILS
C-302	STORM DRAINAGE DETAILS
C-400	UTILITY PLAN
C-401	UTILITY DETAILS
C-402	UTILITY DETAILS
C-403	UTILITY DETAILS
C-404	UTILITY DETAILS
L-100	LANDSCAPE PLAN
L-101	LANDSCAPE DETAILS
LP-100	LIGHTING PLAN
LP-101	LIGHTING DETAILS
FT-100	FIRE TRUCK TURN PLAN

REVISIONS:		
No.	Description	Date
△	Rev. Per Town Comments	03/21/2025
△	Rev. Per Town Comments	07/07/2025

CARMINAWOOD
DESIGN

November 2024
Rev. July 2025

Proposed Warehouse Building
Amherst, New York

NOTE: THIS SURVEY WAS PREPARED WITHOUT THE
BENEFIT OF AN ABSTRACT OF TITLE.
• SET OR EX. 5/8" REBAR

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS
DOCUMENT IS A VIOLATION OF SECTION 7209 PROVIDED 2
OF THE NEW YORK STATE EDUCATION LAW.



WEST LINE OF LOT 1, TWP. 13, RGE. 7 BY DEED

EX. IP
3.13'S
0.53'E.

229.39' MAP & MEAS.

EX. REBAR

EXCEPTION PARCEL
LIBER 7189, PAGE 621

DATE	REVISION/TYPE

SURVEY OF
PART OF LOT 1, TOWNSHIP 13, RANGE 7
HOLLAND LAND COMPANY'S SURVEY
TOWN OF AMHERST, ERIE COUNTY, NEW YORK

GPI

GPI ENGINEERING, LANDSCAPE
ARCHITECTURE & SURVEYING, LLP
ENGINEERING • SURVEYING • LANDSCAPE ARCHITECTURE
4950 GENESEE STREET, SUITE 100
BUFFALO, NEW YORK 14225
(716) 633-6844 FAX 633-4940

Job No. 7535 Date: APRIL 30, 2019
Scale: 1" = 30' TAX No. 4.00-3-20

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SCALE: 1"=30'

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF AMHERST SPECIFICATIONS WHERE APPLICABLE AND/OR SUBJECT TO THE LATEST REVISIONS BY THE TOWN ENGINEER.
2. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL LOCATIONS BEFORE BEGINNING WORK AS REQUIRED BY APPLICABLE LAWS & REGULATIONS.
3. ALL FILL WITHIN THE RIGHT-OF-WAY & UTILITY AREAS IS TO BE COMPACTED TO 95% MOD-PROCTOR, BENCHMARKED IN 6' LIFTS, & TO BE COMPLETED PRIOR TO UTILITY & ROADWAY CONSTRUCTION.
4. STUMPS & BRUSH SHALL NOT BE BURIED IN THE TOWN.
5. ANY AREAS NOT REQUIRING FILL OR RE-GRADEING SHALL NOT BE STRIPPED OF TOPSOIL.
6. ALL AREAS THAT HAVE BEEN STRIPPED ARE TO RECEIVE A MINIMUM OF 4-INCHES OF TOPSOIL, GRADED & SEEDDED.
7. NO TOPSOIL IS TO LEAVE THE SITE AFTER THE TOWN RECEIVES DEDICATION.

Condition	Number of subjects
A	30
B	0
C	30
D	60

Project No: 24.4019

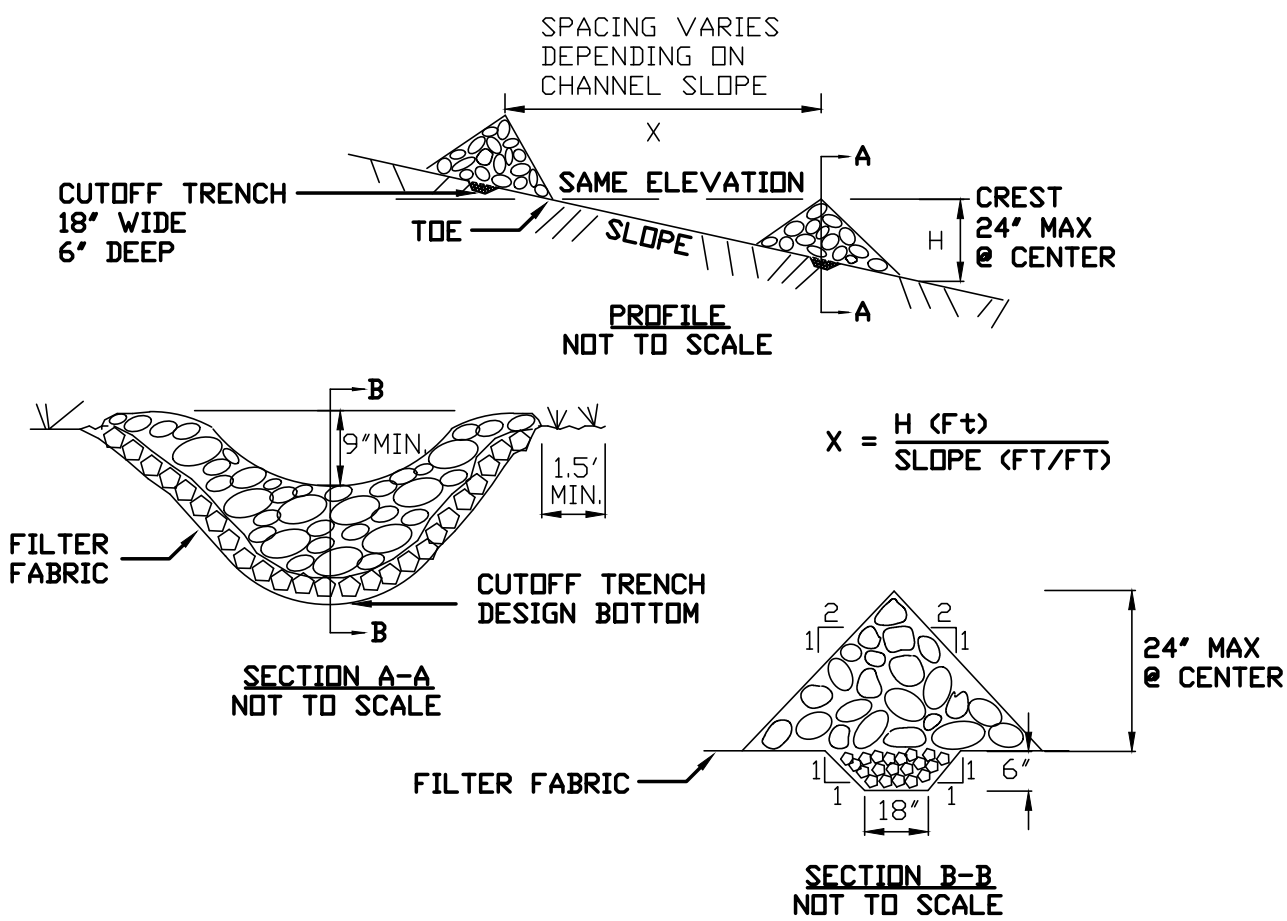
Buffalo | Utica | Greensboro

5500 Millersport Highway

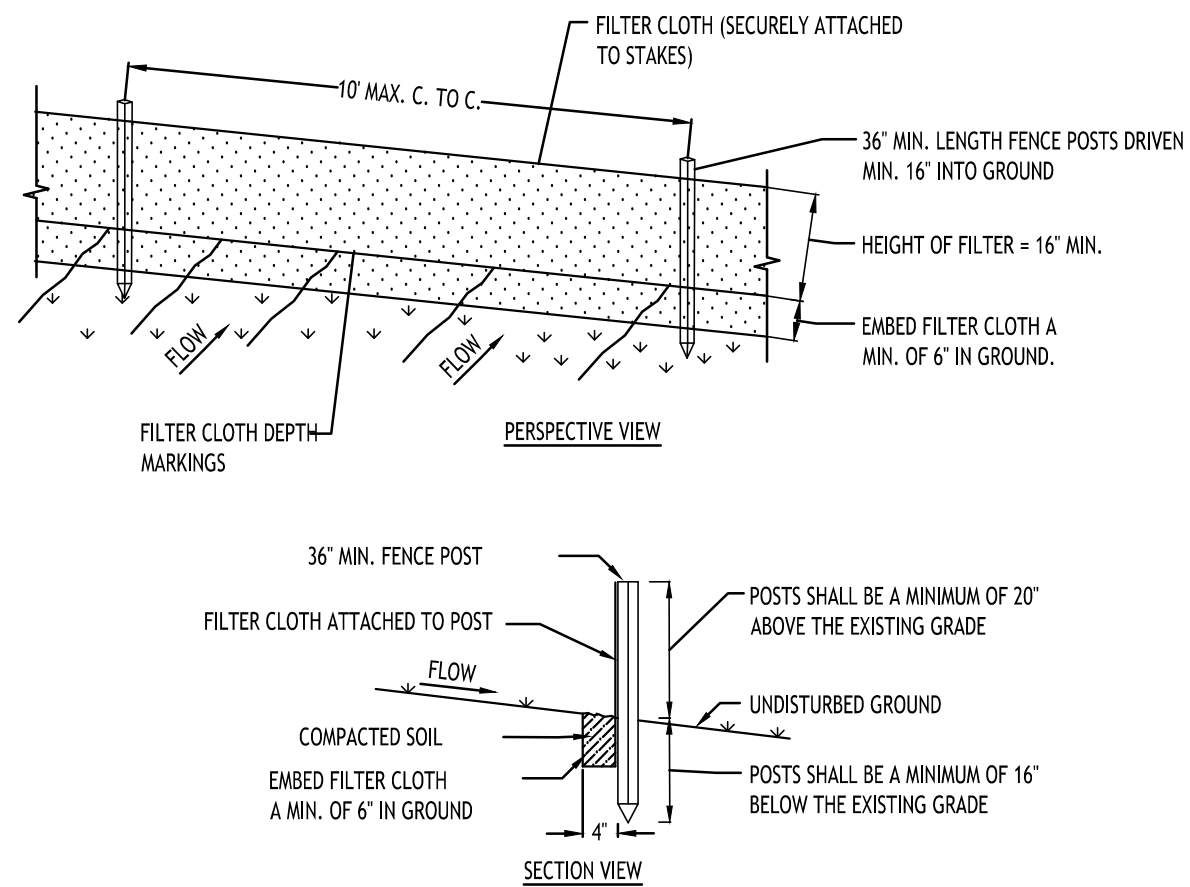
Amherst, New York

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STONE CHECK DAM DETAIL



SILT FENCE DETAIL

NOT TO SCALE

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 1

NOT TO SCALE

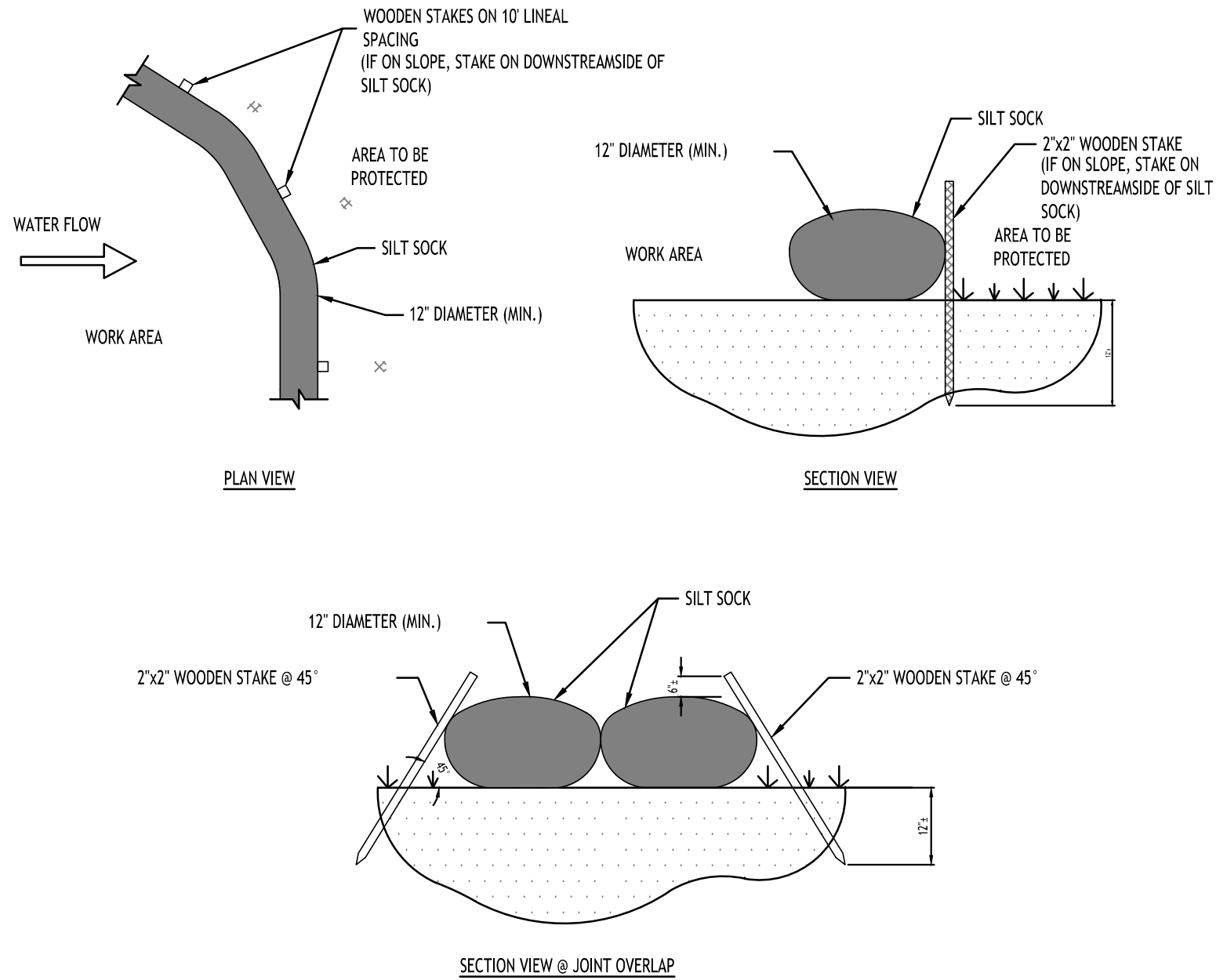
INLET PROTECTION DETAIL 2

NOT TO SCALE

INLET PROTECTION DETAIL 3

NOT TO SCALE

NOTE: INSTALL ONE OF THE INLET PROTECTION OPTIONS SHOWN PRIOR TO CONSTRUCTION



SILT SOCK DETAIL

NOT TO SCALE

CONCRETE WASHOUT DETAIL

NOT TO SCALE

TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:
Demolition & Erosion Control Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.
C-002

Project No: 24.4019



DRAWING NAME:
Demolition & Erosion Control Details

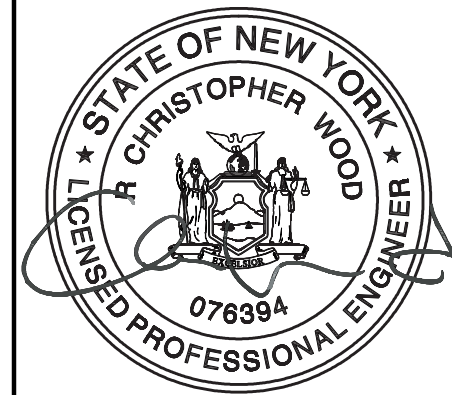
Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-002

Project No: 24.4019

REVISIONS:	No.	Description	Date
	1	Rev. Per Town Comments	03/21/2025
	2	Rev. Per Town Comments	07/07/2025



DRAWING NAME:
Demolition & Erosion Control Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

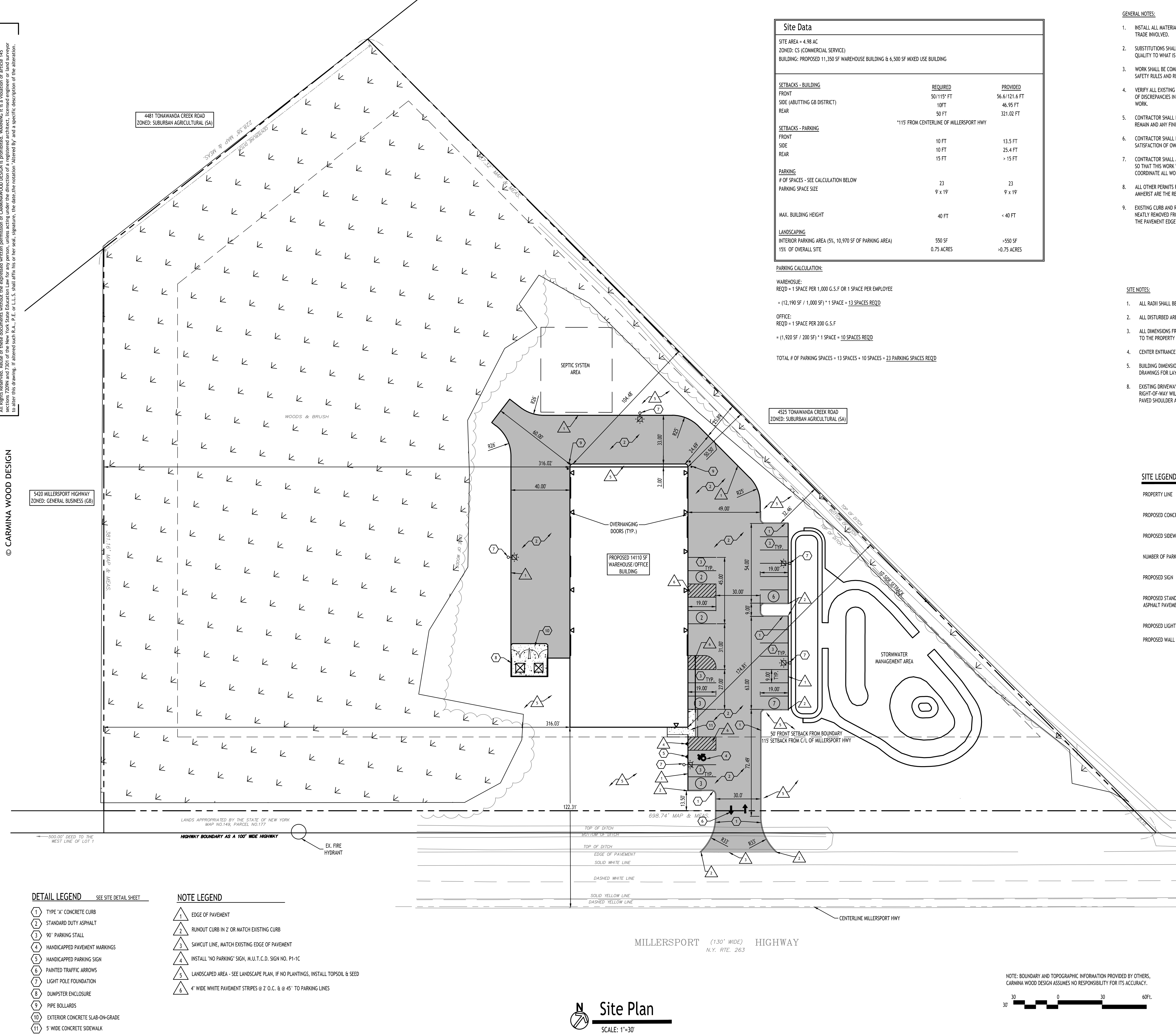
C-002

Project No: 24.4019

Proposed Warehouse Building

5500 Millersport Highway
Amherst, New York

CARMINA WOOD
DESIGN
Buffalo | Utica | Greensboro



Site Data		
SITE AREA = 4.98 AC		
ZONED: C5 (COMMERCIAL SERVICE)		
BUILDING: PROPOSED 11,350 SF WAREHOUSE BUILDING & 6,500 SF MIXED USE BUILDING		
SETBACKS - BUILDING	REQUIRED	PROVIDED
FRONT	50/115' FT	56.6/121.6 FT
SIDE (ABUTTING GB DISTRICT)	10 FT	46.95 FT
REAR	50 FT	321.02 FT
115' FROM CENTERLINE OF MILLERSPORT HWY		
SETBACKS - PARKING		
FRONT		
SIDE	10 FT	13.5 FT
REAR	10 FT	25.4 FT
	15 FT	> 15 FT
PARKING		
# OF SPACES - SEE CALCULATION BELOW	23	23
PARKING SPACE SIZE	9' x 19'	9' x 19'
MAX. BUILDING HEIGHT	40 FT	< 40 FT
LANDSCAPING		
INTERIOR PARKING AREA (5%, 10,970 SF OF PARKING AREA)	550 SF	> 550 SF
15% OF OVERALL SITE	0.75 ACRES	> 0.75 ACRES

PARKING CALCULATION:

WAREHOUSE:
REQ'D = 1 SPACE PER 1,000 G.S.F. OR 1 SPACE PER EMPLOYEE
= (12,190 SF / 1,000 SF) * 1 SPACE = 13 SPACES REQ'D

OFFICE:
REQ'D = 1 SPACE PER 200 G.S.F.
= (1,920 SF / 200 SF) * 1 SPACE = 10 SPACES REQ'D

TOTAL # OF PARKING SPACES = 13 SPACES + 10 SPACES = 23 PARKING SPACES REQ'D

- GENERAL NOTES:
1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
 2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
 3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
 4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
 5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
 6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
 7. CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION SO THAT THIS WORK WILL NOT DISTURB EXISTING LINES AND/OR INSTALLATIONS. COORDINATE ALL WORK WITH THE APPLICABLE UTILITY COMPANIES.
 8. ALL OTHER PERMITS REQUIRED BY STATE OF NEW YORK, COUNTY OF ERIE, AND TOWN OF AMHERST ARE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER/OWNER.
 9. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE. EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

- SITE NOTES:
1. ALL RADII SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
 2. ALL DISTURBED AREAS: SHALL HAVE 4" MIN. OF TOPSOIL AND SEED.
 3. ALL DIMENSIONS FROM PROPERTY LINES SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
 4. CENTER ENTRANCE SIDEWALKS ON DOOR OPENINGS.
 5. BUILDING DIMENSIONS ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS.
 6. EXISTING DRIVEWAY APRONS WITHIN THE MILLERSPORT HIGHWAY RIGHT-OF-WAY WILL BE REMOVED AND RESTORED/REPLANTED BETWEEN THE PAVED SHOULDER AND THE ROW LINE.

SITE LEGEND	
PROPERTY LINE	---
PROPOSED CONCRETE CURB	==
PROPOSED SIDEWALK / CONCRETE PAD	----
NUMBER OF PARKING SPACES	27
PROPOSED SIGN	▲
PROPOSED STANDARD DUTY ASPHALT PAVEMENT	▨
PROPOSED LIGHT POLE	⊕
PROPOSED WALL MOUNTED LIGHT	⊕

- DETAIL LEGEND SEE SITE DETAIL SHEET
- 1 TYPE "A" CONCRETE CURB
 - 2 STANDARD DUTY ASPHALT
 - 3 90° PARKING STALL
 - 4 HANDICAPPED PAVEMENT MARKINGS
 - 5 HANDICAPPED PARKING SIGN
 - 6 PAINTED TRAFFIC ARROWS
 - 7 LIGHT POLE FOUNDATION
 - 8 DUMPSTER ENCLOSURE
 - 9 PIPE BOLLARDS
 - 10 EXTERIOR CONCRETE SLAB-ON-GRADE
 - 11 5' WIDE CONCRETE SIDEWALK

- NOTE LEGEND
- 1 EDGE OF PAVEMENT
 - 2 RUNOUT CURB IN 2' OR MATCH EXISTING CURB
 - 3 SAWCUT LINE, MATCH EXISTING EDGE OF PAVEMENT
 - 4 INSTALL "NO PARKING" SIGN, M.U.T.C.D. SIGN NO. P1-1C
 - 5 LANDSCAPED AREA - SEE LANDSCAPE PLAN, IF NO PLANTINGS, INSTALL TOPSOIL & SEED
 - 6 4" WIDE WHITE PAVEMENT STRIPES @ 2' O.C. & @ 45° TO PARKING LINES

Site Plan
SCALE: 1"=30'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30 0 30 60 FT.

TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:
Site Plan
Concept

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

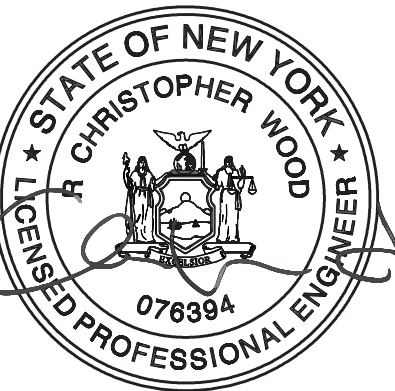
C-100

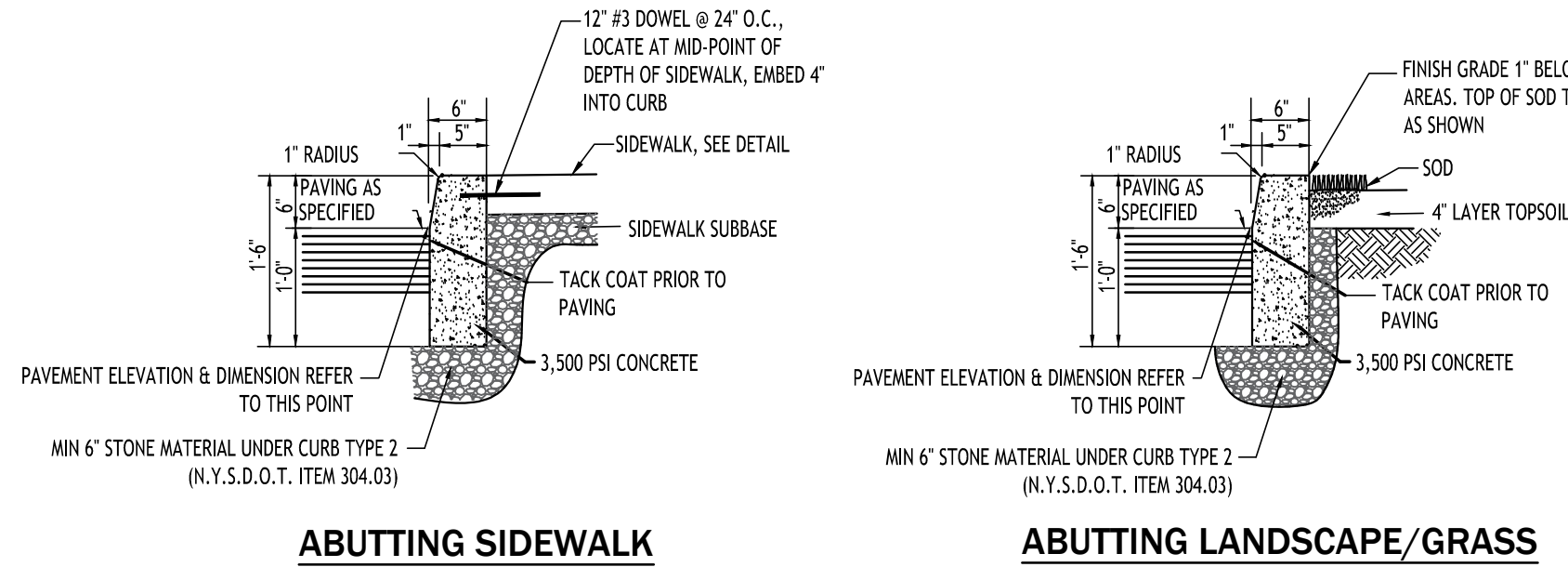
Project No: 24.4019

Proposed Warehouse Building
5500 Millersport Highway
Amherst, New York

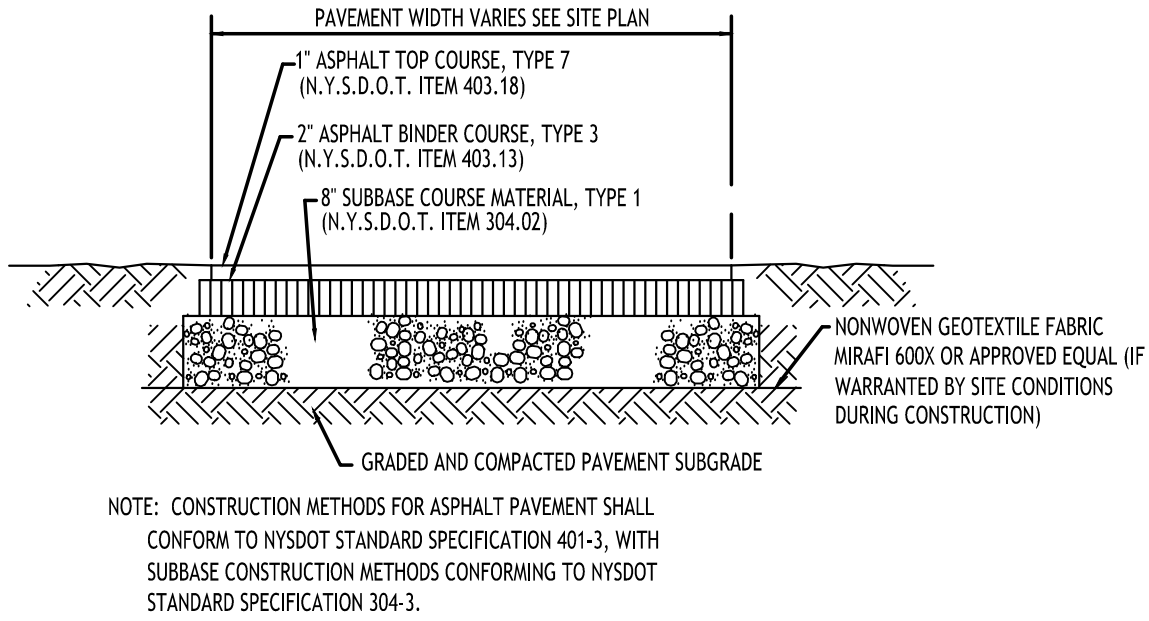
CARMINA WOOD
DESIGN
Buffalo | Utica | Greensboro

REVISIONS:		Date
No.	Description	
1	Rev. Per Town Comments	03/21/2025
2	Rev. Per Town Comments	07/07/2025

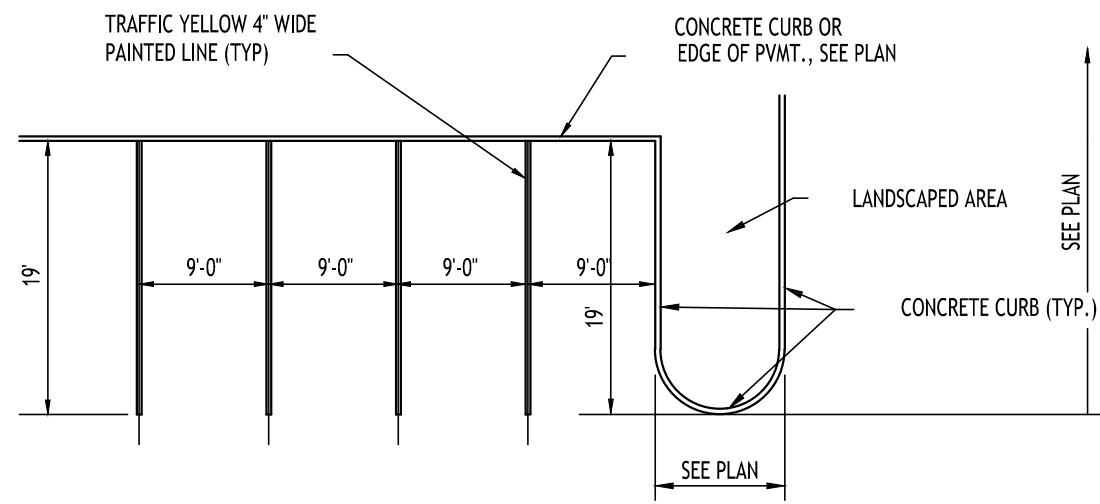




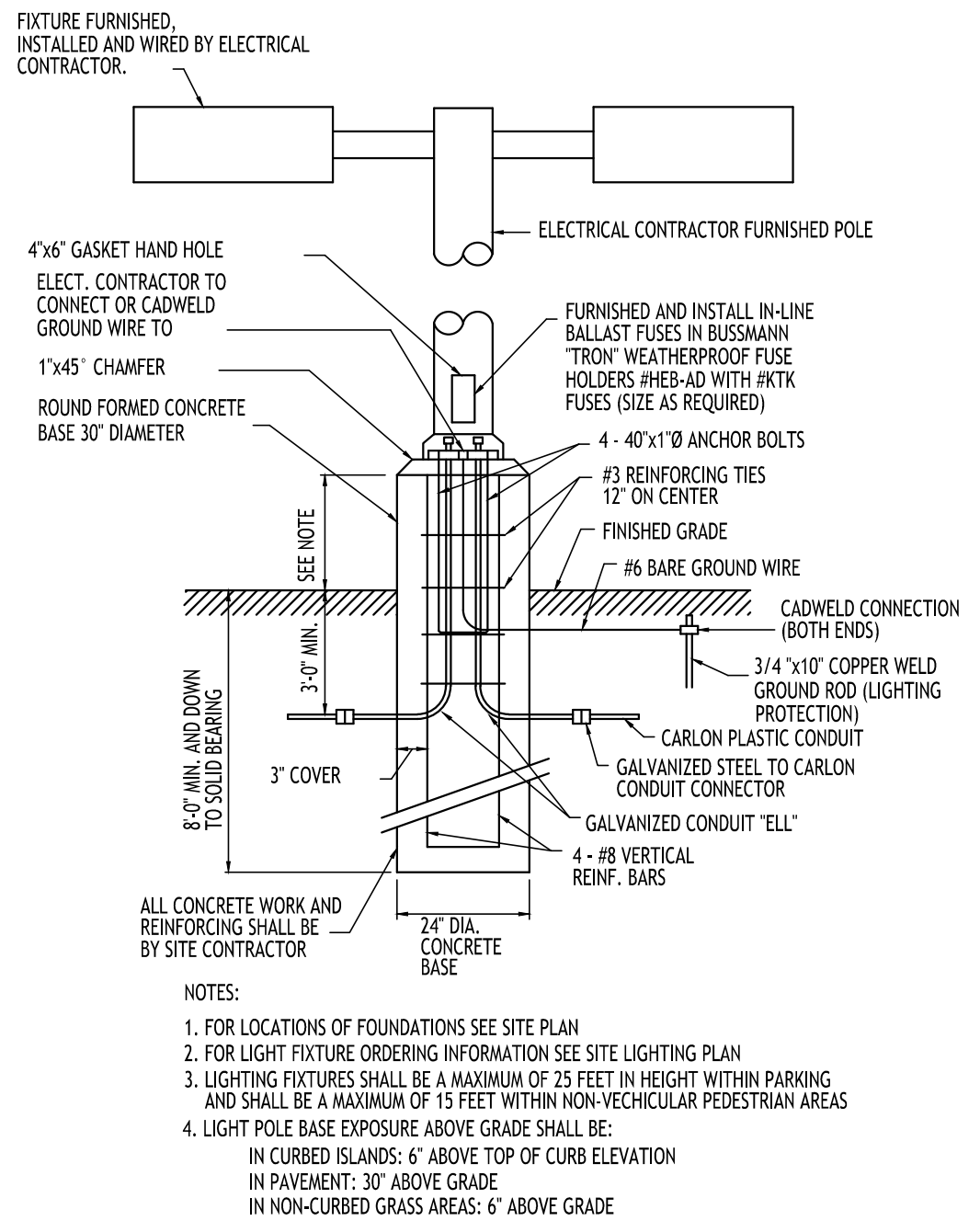
TYPE "A" CONCRETE CURB - 1



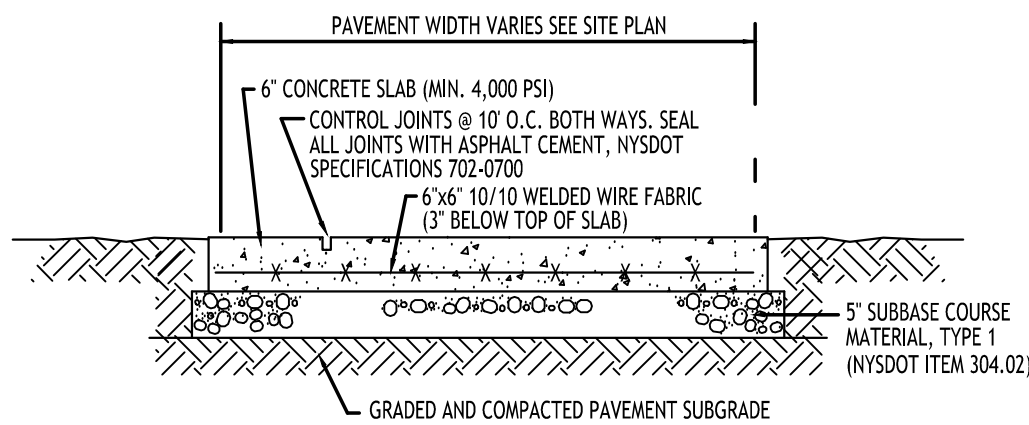
STANDARD DUTY ASPHALT SECTION - 2



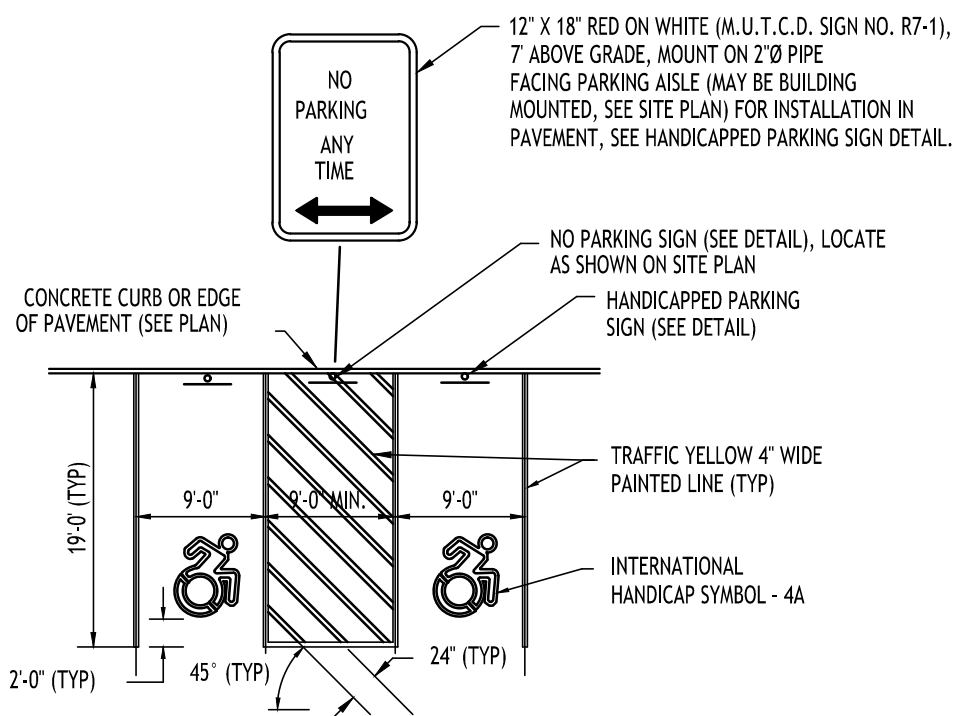
90° PARKING STALL LAYOUT - 3



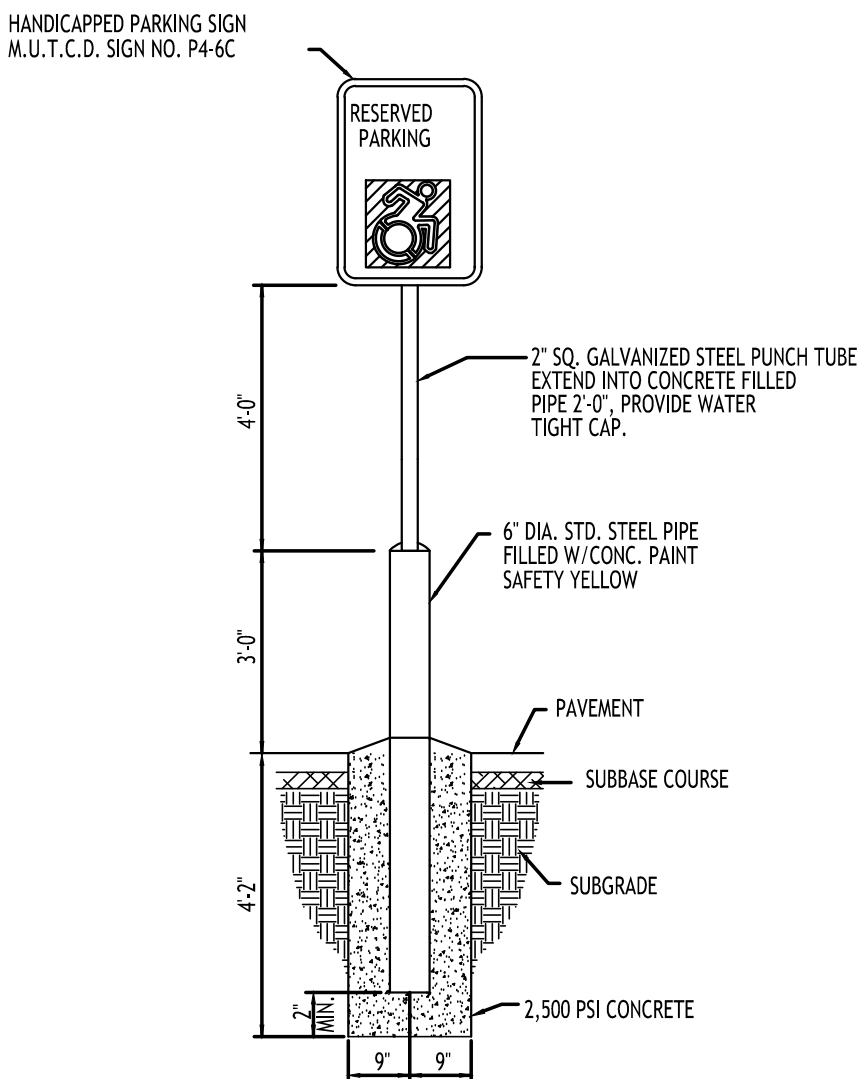
LIGHT POLE FOUNDATION - 7



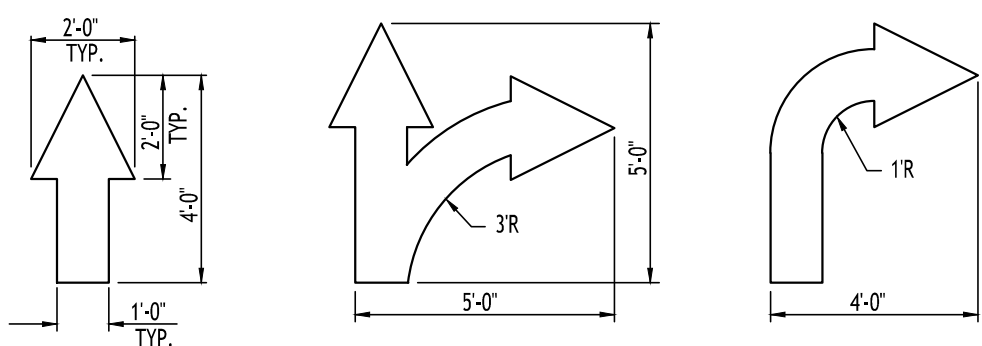
EXTERIOR CONCRETE SLAB-ON-GRADE SECTION - 10



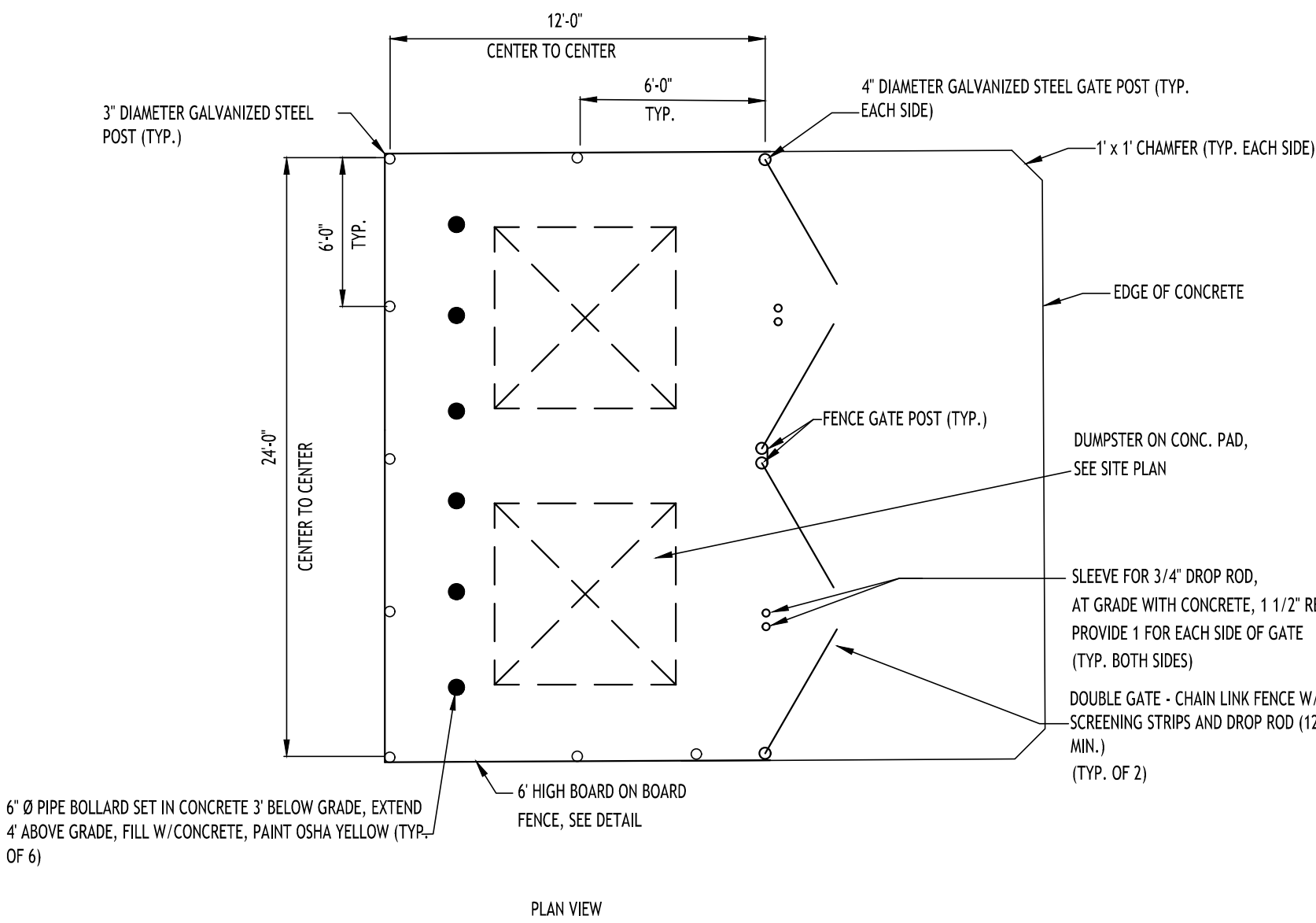
HANDICAPPED PAVEMENT MARKINGS & SIGNAGE - 4



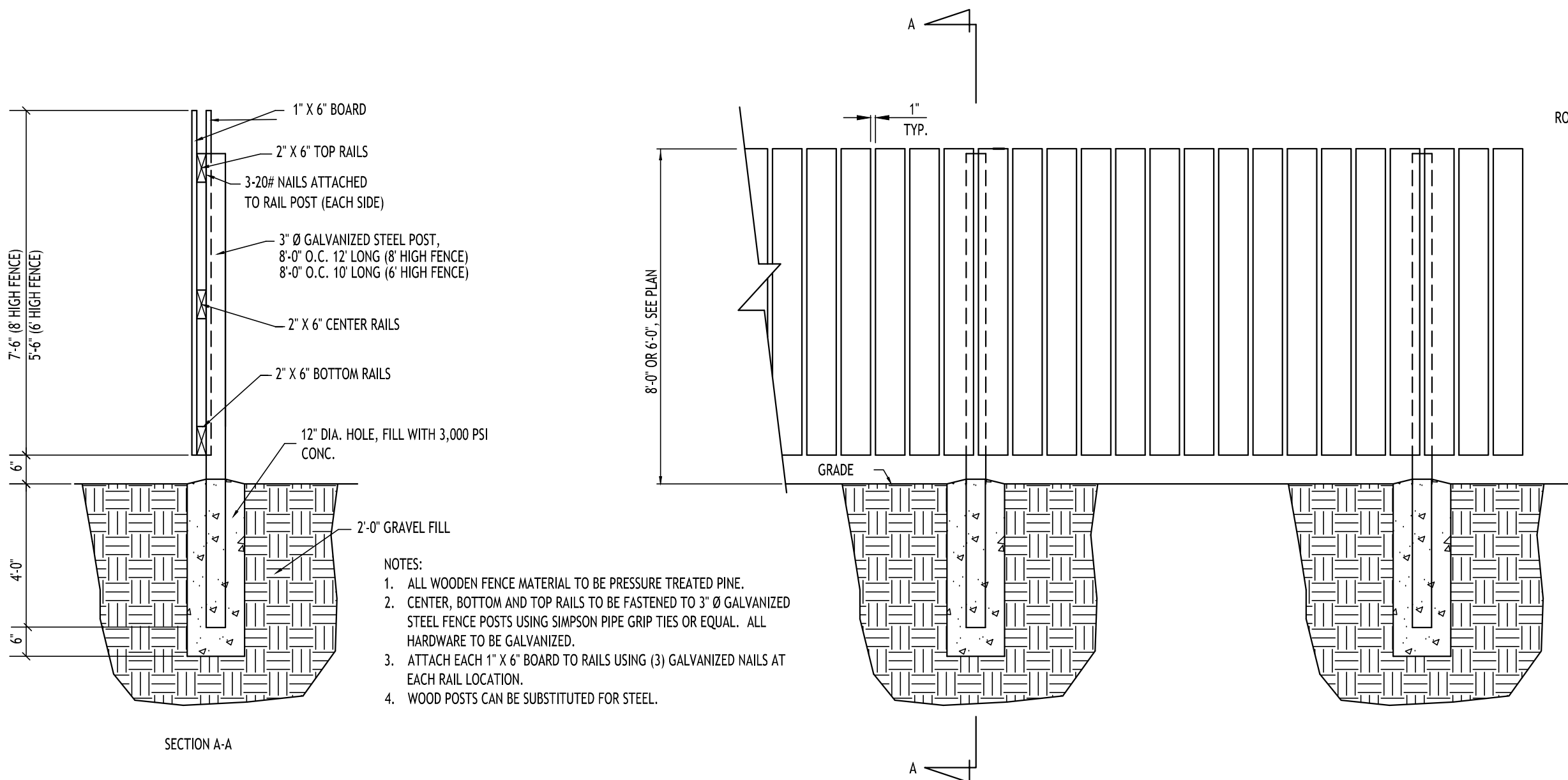
HANDICAPPED PARKING SIGN - 5



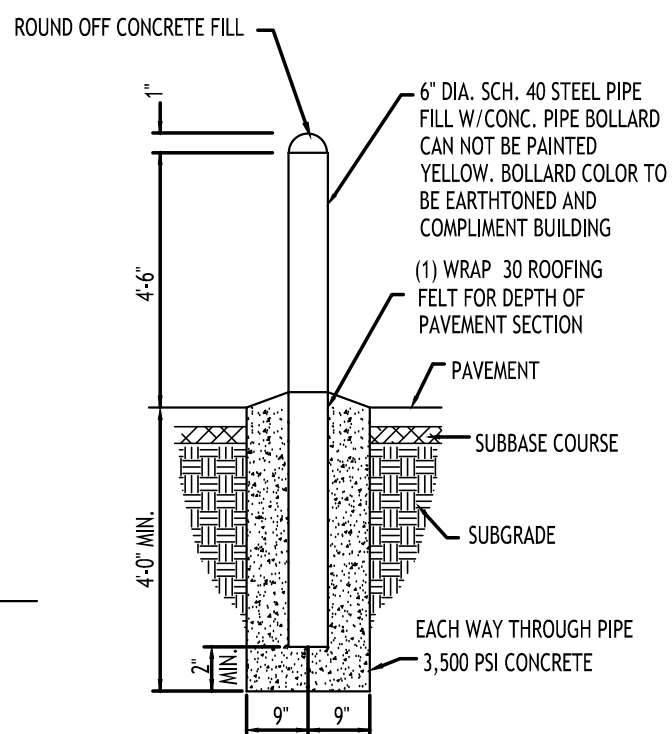
PAINTED TRAFFIC ARROWS - 6



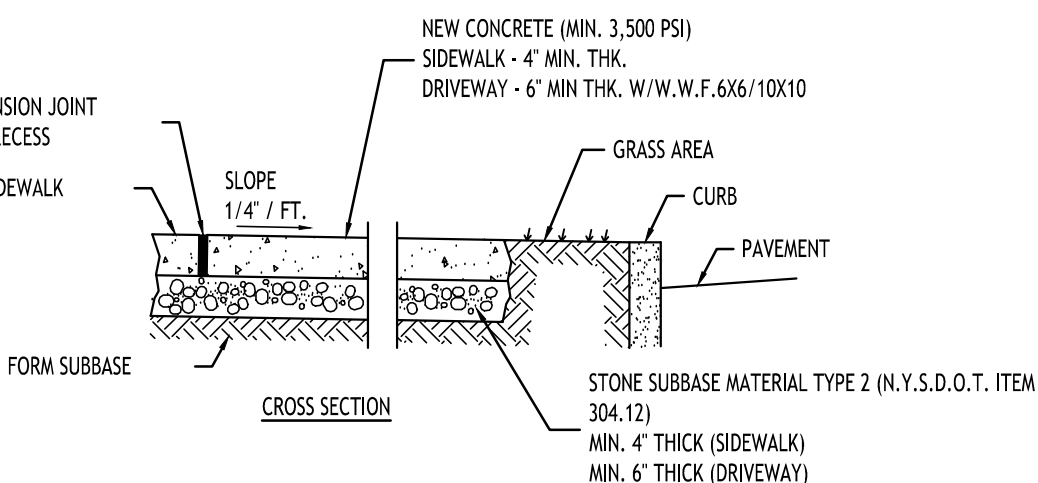
DUMPSTER ENCLOSURE - 8



BOARD ON BOARD FENCE FENCE - FOR DUMPSTER ENCLOSURE



PIPE BOLLARD - 9



- NOTES:
1. CONTROL JOINTS TO BE AT 5'-0" O.C., BOTH WAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
 2. CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 608-3.
 3. SUBBASE GRADE SHALL FOLLOW THE PROPOSED GRADE OF THE SIDEWALK AND SLOPE AWAY FROM BUILDING WHERE APPLICABLE, PROVIDE CONTINUOUS STONE PATH TO CURB UNDERDRAIN WHERE PROVIDED.
 4. FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED EVERY 20' O.C., BOTHWAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
 5. SEE CURB DETAIL FOR DOWLING REQUIREMENTS WHERE ABUTTING CURB.
 6. INSTALL 6" LONG #3 DOWELS @ 12" O.C. WHERE SIDEWALK ABUTS A BUILDING WALL AT AN ENTRANCE, THICKEN SIDEWALK TO 6" AT BUILDING WALL AND INSTALL DOWEL CENTERED IN THE 6" DEPTH. DOWELS AND THICKENING OF SIDEWALK SHALL EXTEND 18" EITHER SIDE OF ENTRANCE.
 7. INSTALL 1/2" PREMOLOD EXPANSION JOINT WITH BACKER ROD & SEALANT WHERE SIDEWALK ABUTS BUILDING OR OTHER STRUCTURE.

CONCRETE SIDEWALK - 11

TOWN OF AMHERST APPROVAL BOX:

REVISIONS:	No.	Description	Date
	A	Rev. Per Town Comments	03/21/2025
	A	Rev. Per Town Comments	07/07/2025



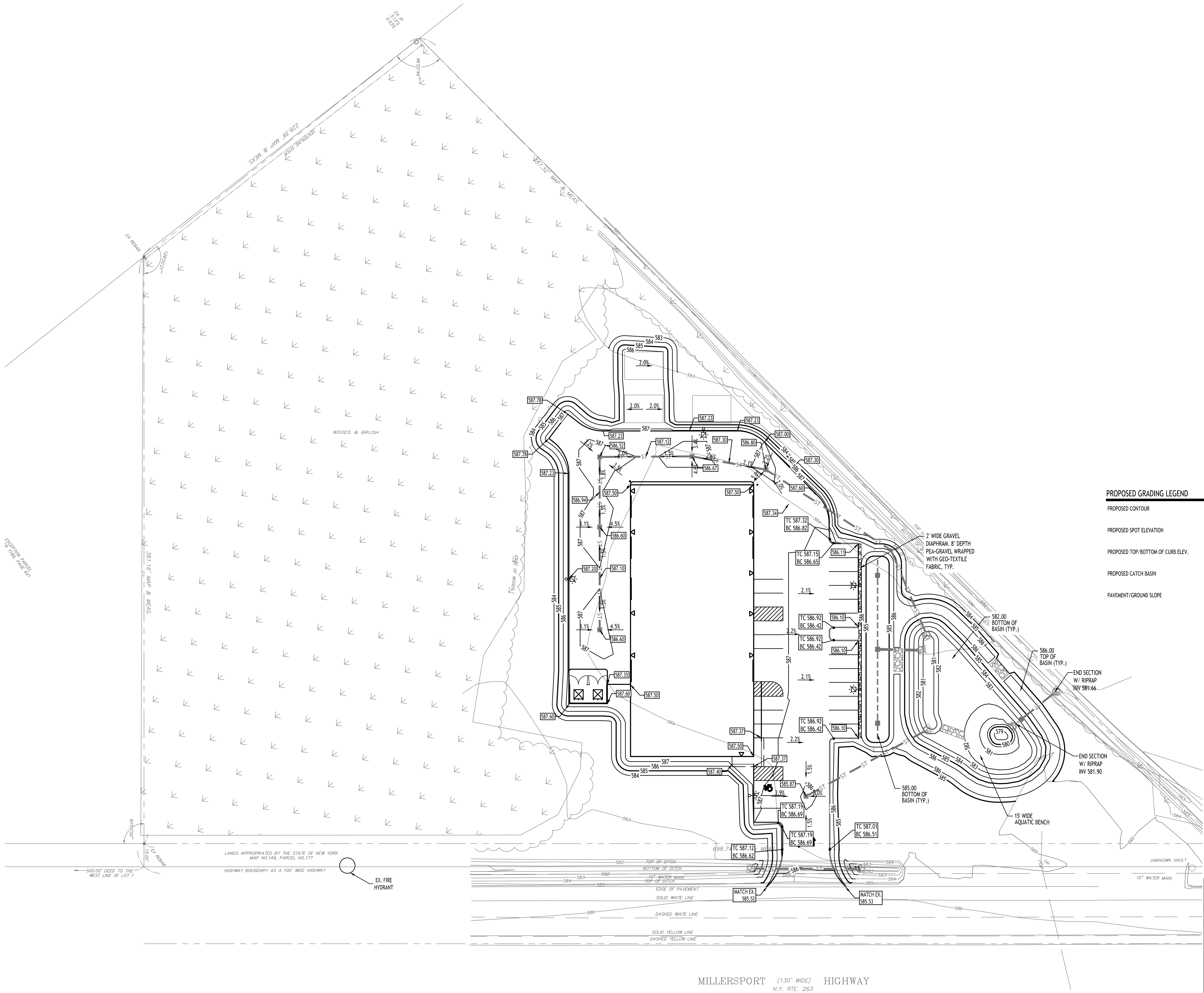
DRAWING NAME:
Site Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-101

Project No: 24.4019



PROPOSED GRADING LEGEND

PROPOSED CONTOUR	101
PROPOSED SPOT ELEVATION	100.80
PROPOSED TOP/BOTTOM OF CURB ELEV.	TC 100.50 BC 100.00
PROPOSED CATCH BASIN	CB
PAYEMENT/GROUND SLOPE	

TOWN OF AMHERST APPROVAL BOX:

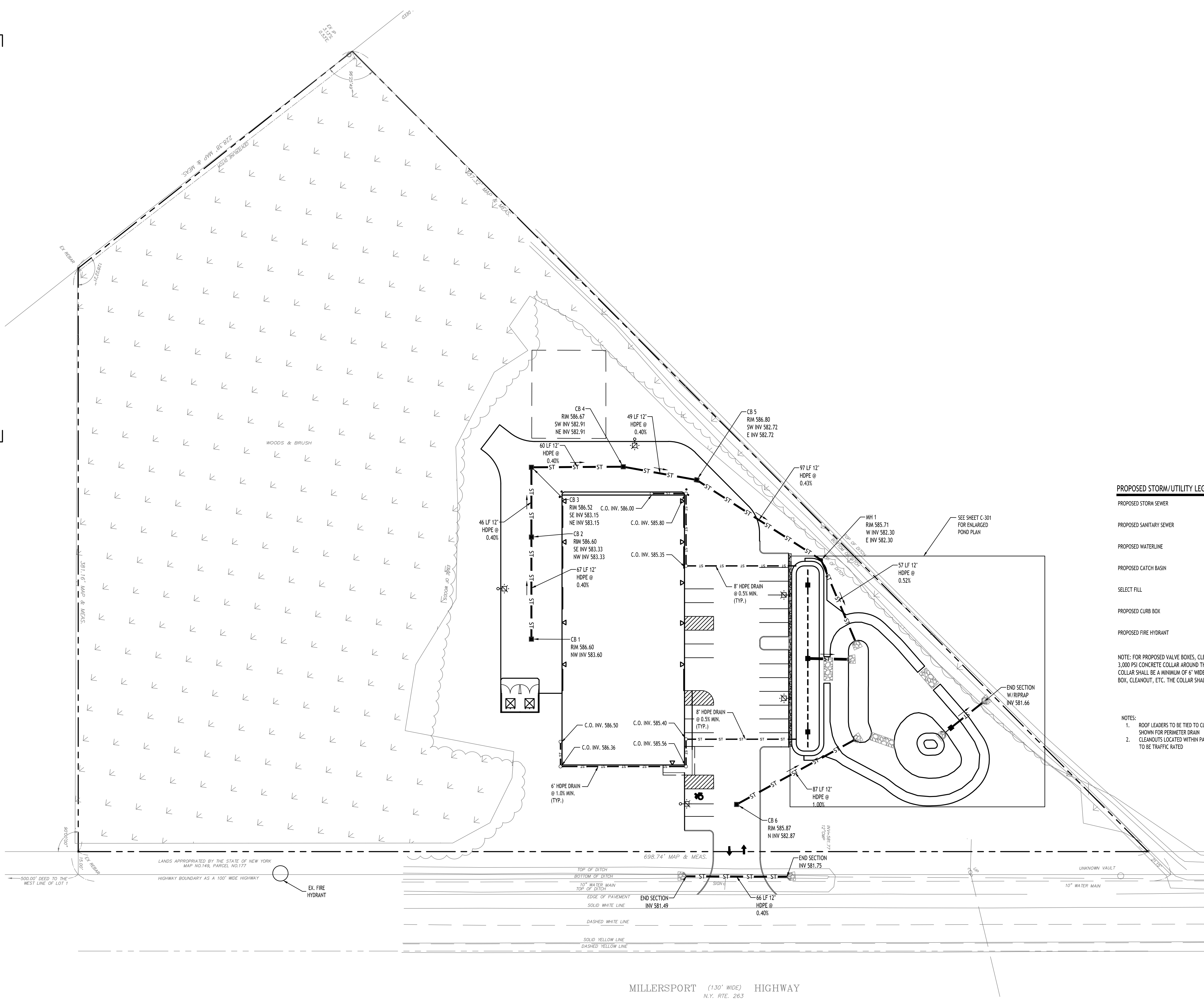
REVISIONS:	No.	Description	Date
	1	Rev. Per Town Comments	03/21/2025
	2	Rev. Per Town Comments	07/07/2025



DRAWING NAME:
Grading Plan

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.
C-200
Project No: 24.4019



Storm Drainage Plan

SCALE: 1"=30'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



DRAWING NAME:

Storm Drainage Plan

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-300

Project No: 24.019

REVISIONS:		No.	Description	Date
A	Rev.	Per Town Comments	03/21/2025	07/07/2025
	Rev.	Per Town Comments	07/07/2025	

Proposed Warehouse Building

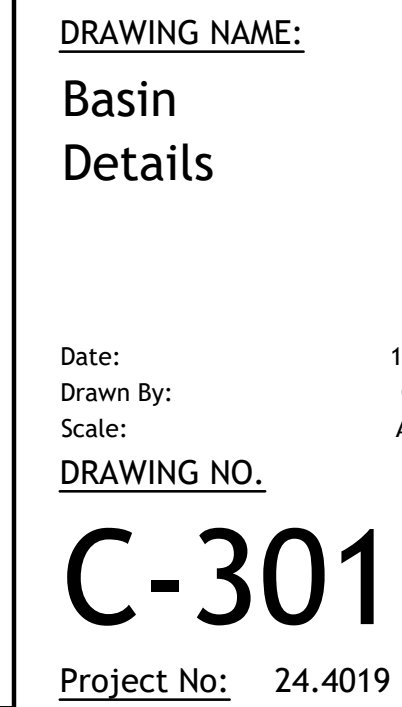
5500 Millersport Highway
Amherst, New York

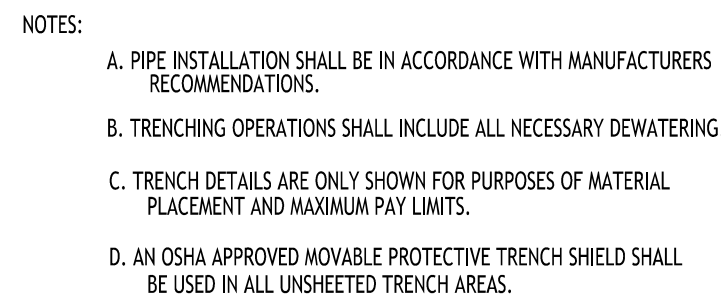
CARMINA WOOD
DESIGN

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<u>Seed Mixture</u>	<u>Variety</u>	<u>Percent by No. of Seeds</u>
Creeping Bentgrass	<i>Agrostis stolonifera</i>	63.0
Rough Bluegrass	<i>Poa trivialis</i>	17.0
Meadow Foxtail	<i>Alopecurus arundinaceus</i>	11.0
Annual Ryegrass	<i>Lolium multiflorum</i>	4.5
Deertongue	<i>Panicum clandestinum</i>	4.5

[illegible]



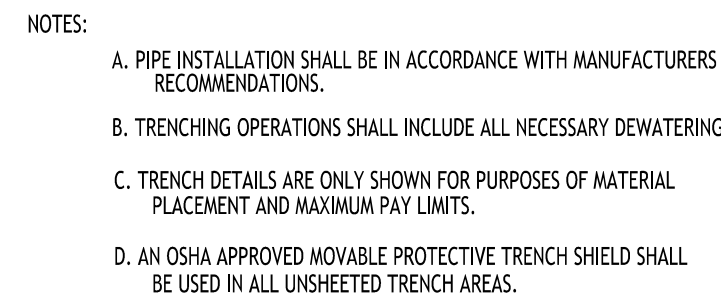
PIPE BEDDING MATERIAL (NYS DOT 1985 EDITION)

- ① NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703.02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NO SLAG SHALL BE ALLOWED FOR MATERIAL.
- ①
- ② TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 304.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL

NO SLAG SHALL BE ALLOWED FOR MATERIAL

NOT TO SCALE



PIPE BEDDING MATERIAL (NYS DOT 1985 EDITION)

- 1 NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

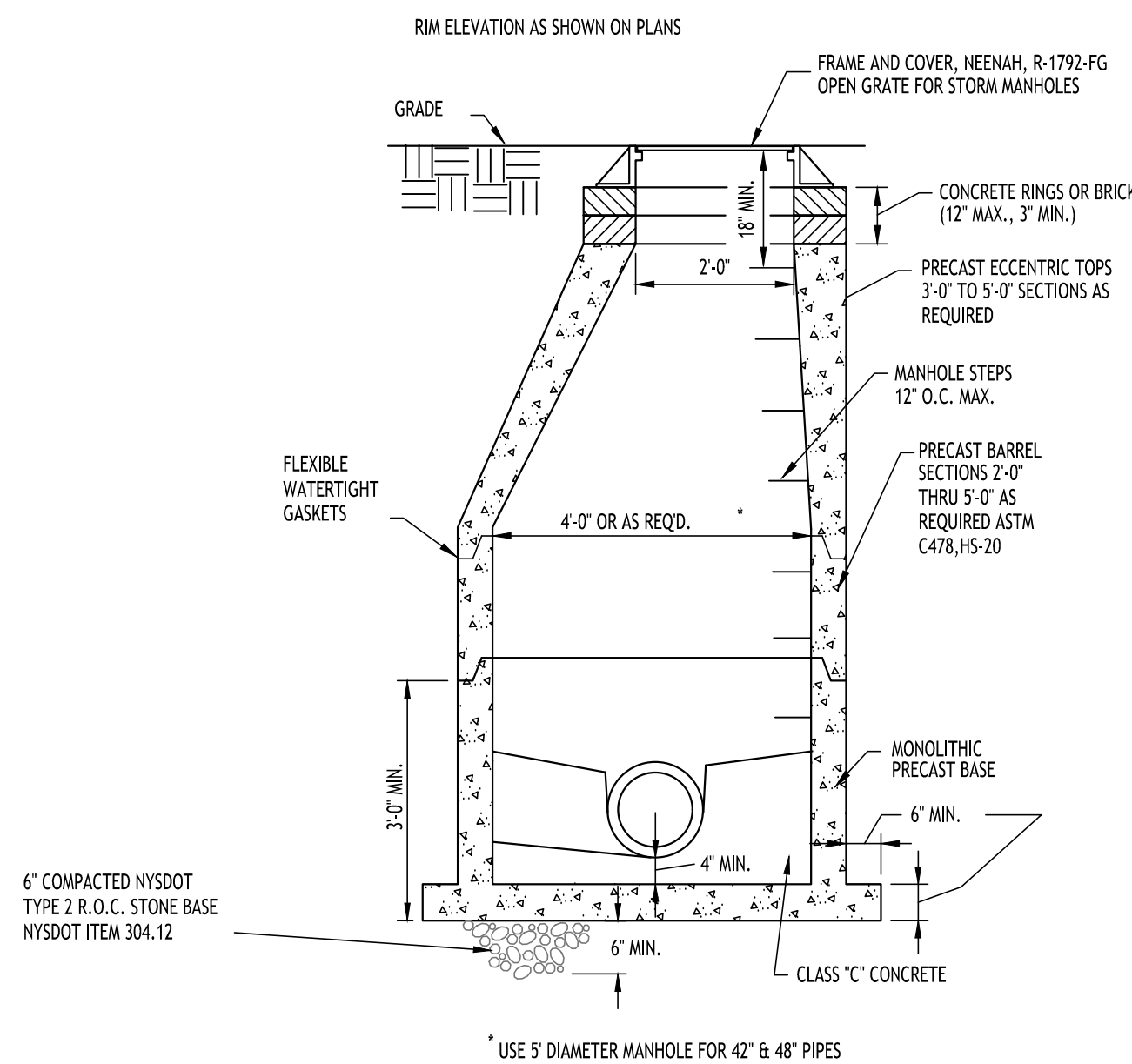
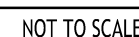
NO SLAG SHALL BE ALLOWED FOR MATERIAL

2 BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL COMPACTED IN 6" LIFTS.

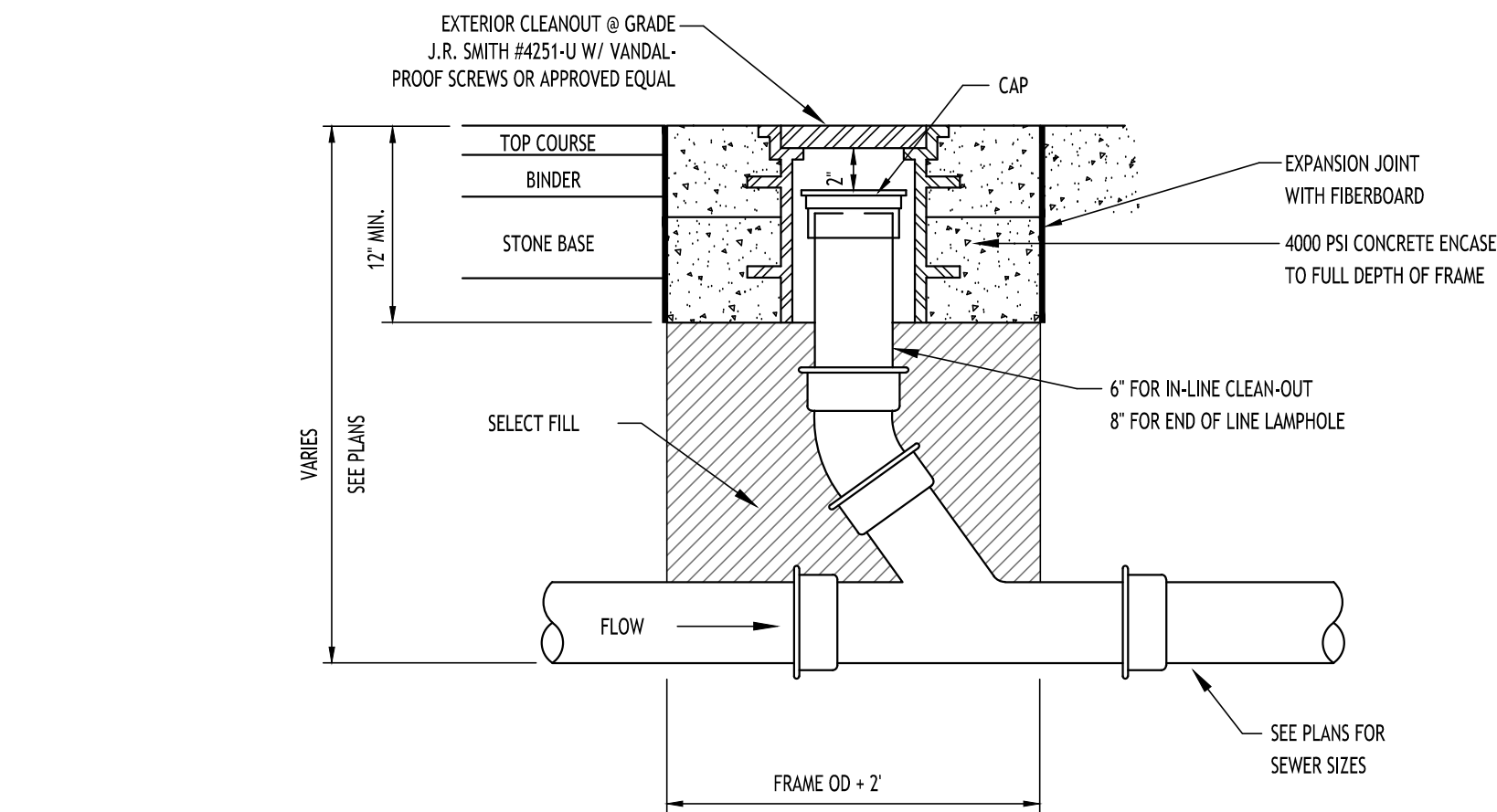
NOT TO SCALE



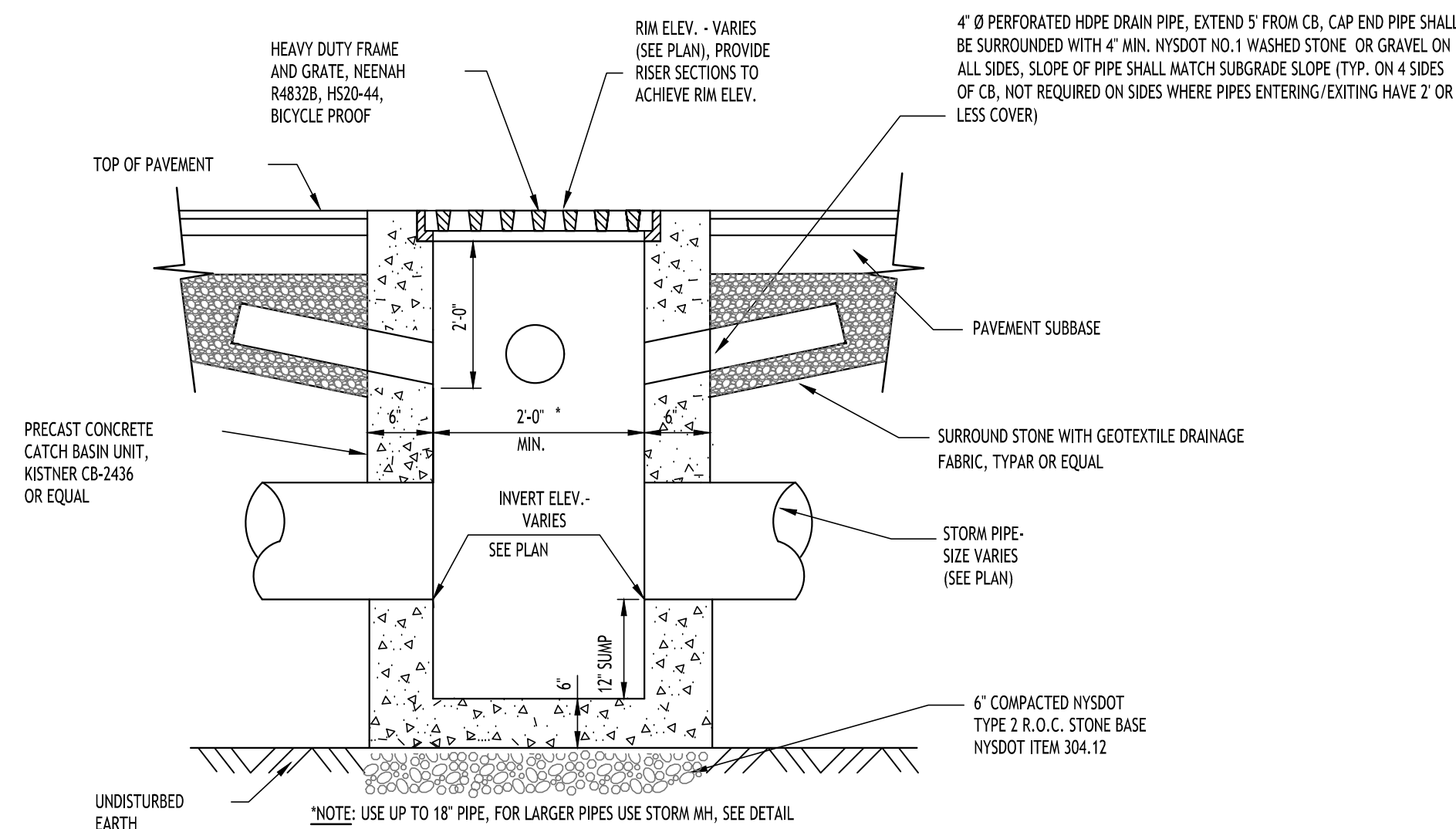
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

TOWN OF AMHERST APPROVAL BOX:

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	03/21/2025
2	Rev. Per Town Comments	07/07/2025



07/07/2025

DRAWING NAME:

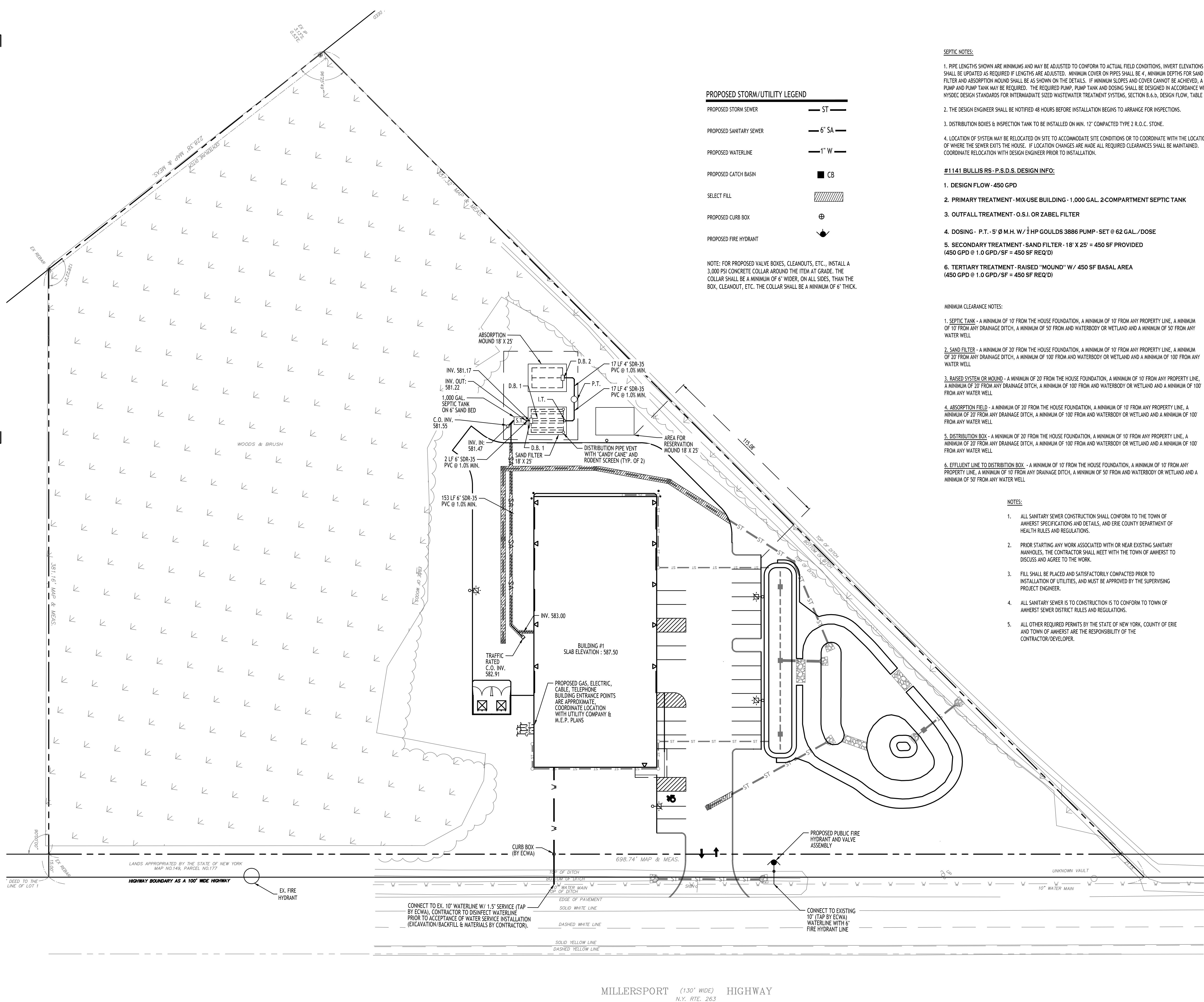
Storm Drainage Details

Date: 11/19/2011
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-302

Project No: 24.4019



PROPOSED STORM/UTILITY LEGEND

PROPOSED STORM SEWER	— ST —
PROPOSED SANITARY SEWER	— 6" SA —
PROPOSED WATERLINE	— 1" W —
PROPOSED CATCH BASIN	■ CB
SELECT FILL	▨
PROPOSED CURB BOX	⊕
PROPOSED FIRE HYDRANT	⬇

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.

SEPTIC NOTES:

- PIPE LENGTHS SHOWN ARE MINIMUMS AND MAY BE ADJUSTED TO CONFORM TO ACTUAL FIELD CONDITIONS. INVERT ELEVATIONS SHALL BE UPDATED AS REQUIRED IF LENGTHS ARE ADJUSTED. MINIMUM COVER ON PIPES SHALL BE 4', MINIMUM DEPTHS FOR SAND FILTER AND ABSORPTION MOUND SHALL BE AS SHOWN ON THE DETAILS. IF MINIMUM SLOPES AND COVER CANNOT BE ACHIEVED, A PUMP AND PUMP TANK MAY BE REQUIRED. THE REQUIRED PUMP, PUMP TANK AND DOSING SHALL BE DESIGNED IN ACCORDANCE WITH NYSDEC DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, SECTION B.6.D, DESIGN FLOW, TABLE B-3.
- THE DESIGN ENGINEER SHALL BE NOTIFIED 48 HOURS BEFORE INSTALLATION BEGINS TO ARRANGE FOR INSPECTIONS.
- DISTRIBUTION BOXES & INSPECTION TANK TO BE INSTALLED ON MIN. 12" COMPACTED TYPE 2 R.O.C. STONE.
- LOCATION OF SYSTEM MAY BE RELOCATED ON SITE TO ACCOMMODATE SITE CONDITIONS OR TO COORDINATE WITH THE LOCATION OF WHERE THE SEWER EXITS THE HOUSE. IF LOCATION CHANGES ARE MADE ALL REQUIRED CLEARANCES SHALL BE MAINTAINED. COORDINATE RELOCATION WITH DESIGN ENGINEER PRIOR TO INSTALLATION.

#1141 BULLIS RS-P.S.D.S. DESIGN INFO:

- DESIGN FLOW - 450 GPD
- PRIMARY TREATMENT - MIX-USE BUILDING - 1,000 GAL. 2-COMPARTMENT SEPTIC TANK
- OUTFALL TREATMENT - O.S.I. OR ZABEL FILTER
- DOSING - P.T. - 5' Ø M.H. W/ ½ HP GOULDS 3886 PUMP - SET @ 62 GAL./DOSE
- SECONDARY TREATMENT - SAND FILTER - 18' X 25' = 450 SF PROVIDED (450 GPD @ 1.0 GPD/SF = 450 SF REQ'D)
- TERTIARY TREATMENT - RAISED "MOUND" W/ 450 SF BASAL AREA (450 GPD @ 1.0 GPD/SF = 450 SF REQ'D)

MINIMUM CLEARANCE NOTES:

- SEPTIC TANK - A MINIMUM OF 10' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 10' FROM ANY DRAINAGE DITCH, A MINIMUM OF 50' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 50' FROM ANY WATER WELL.
- SAND FILTER - A MINIMUM OF 20' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 20' FROM ANY DRAINAGE DITCH, A MINIMUM OF 100' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 100' FROM ANY WATER WELL.
- RAISED SYSTEM OR MOUND - A MINIMUM OF 20' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 20' FROM ANY DRAINAGE DITCH, A MINIMUM OF 100' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 100' FROM ANY WATER WELL.
- ABSORPTION FIELD - A MINIMUM OF 20' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 20' FROM ANY DRAINAGE DITCH, A MINIMUM OF 100' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 100' FROM ANY WATER WELL.
- DISTRIBUTION BOX - A MINIMUM OF 20' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 20' FROM ANY DRAINAGE DITCH, A MINIMUM OF 100' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 100' FROM ANY WATER WELL.
- EFFLUENT LINE TO DISTRIBUTION BOX - A MINIMUM OF 10' FROM THE HOUSE FOUNDATION, A MINIMUM OF 10' FROM ANY PROPERTY LINE, A MINIMUM OF 10' FROM ANY DRAINAGE DITCH, A MINIMUM OF 50' FROM AND WATERBODY OR WETLAND AND A MINIMUM OF 50' FROM ANY WATER WELL.

NOTES:

- ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE TOWN OF AMHERST SPECIFICATIONS AND DETAILS, AND ERIE COUNTY DEPARTMENT OF HEALTH RULES AND REGULATIONS.
- PRIOR STARTING ANY WORK ASSOCIATED WITH OR NEAR EXISTING SANITARY MANHOLES, THE CONTRACTOR SHALL MEET WITH THE TOWN OF AMHERST TO DISCUSS AND AGREE TO THE WORK.
- FILL SHALL BE PLACED AND SATISFACTORILY COMPACTED PRIOR TO INSTALLATION OF UTILITIES, AND MUST BE APPROVED BY THE SUPERVISING PROJECT ENGINEER.
- ALL SANITARY SEWER IS TO CONSTRUCTION IS TO CONFORM TO TOWN OF AMHERST SEWER DISTRICT RULES AND REGULATIONS.
- ALL OTHER REQUIRED PERMITS BY THE STATE OF NEW YORK, COUNTY OF ERIE AND TOWN OF AMHERST ARE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER.

UTILITY NOTES:

- FOR ALL SANITARY SEWERS, INSTALL SELECT FILL IN PAVED AREAS, EXTEND 5' MIN. BEYOND PAVEMENT LIMITS
- BUILDINGS TO HAVE INVERT ELEVATION 5' MIN. BELOW F.F.E. OF THE BUILDING. PIPE TO BE 6" SDR-35 PVC @ 1.0% MIN. WITH MIN 4.5' OF COVER.
- COORDINATE GAS & ELEC. METER BANK LOCATIONS ON BUILDINGS WITH M.E.P. PLANS & UTILITY CO.S.
- COORDINATE LOCATION OF CITY & TELEPHONE SERVICE TO BUILDINGS WITH M.E.P. PLANS AND UTILITY CO.S.
- ANY EXISTING UTILITIES WHICH ARE TO BE ABANDONED AND FALL UNDER PAVEMENT OR BUILDINGS SHALL BE REMOVED VS. BEING ABANDONED UNLESS THOSE UTILITIES ARE FILLED WITH FLOWABLE FILL.
- A MINIMUM OF 10 FEET HORIZONTAL AND 18 INCHES OF VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN ALL SANITARY SEWER AND WATER SERVICES.
- SELECT BACKFILL IS REQUIRED FOR ALL UTILITIES (GAS, WATER, STORM, SANITARY) THAT CROSS THROUGH CONCRETE AND ASPHALT PAVEMENT AREAS.

TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:
Utility Plan

DRAWING NO.
C-400

Project No: 24.4019

REVISIONS:	No.	Description	Date
	1	Rev. Per Town Comments	03/21/2025
	2	Rev. Per Town Comments	07/07/2025



DRAWING NAME:

Utility Plan

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

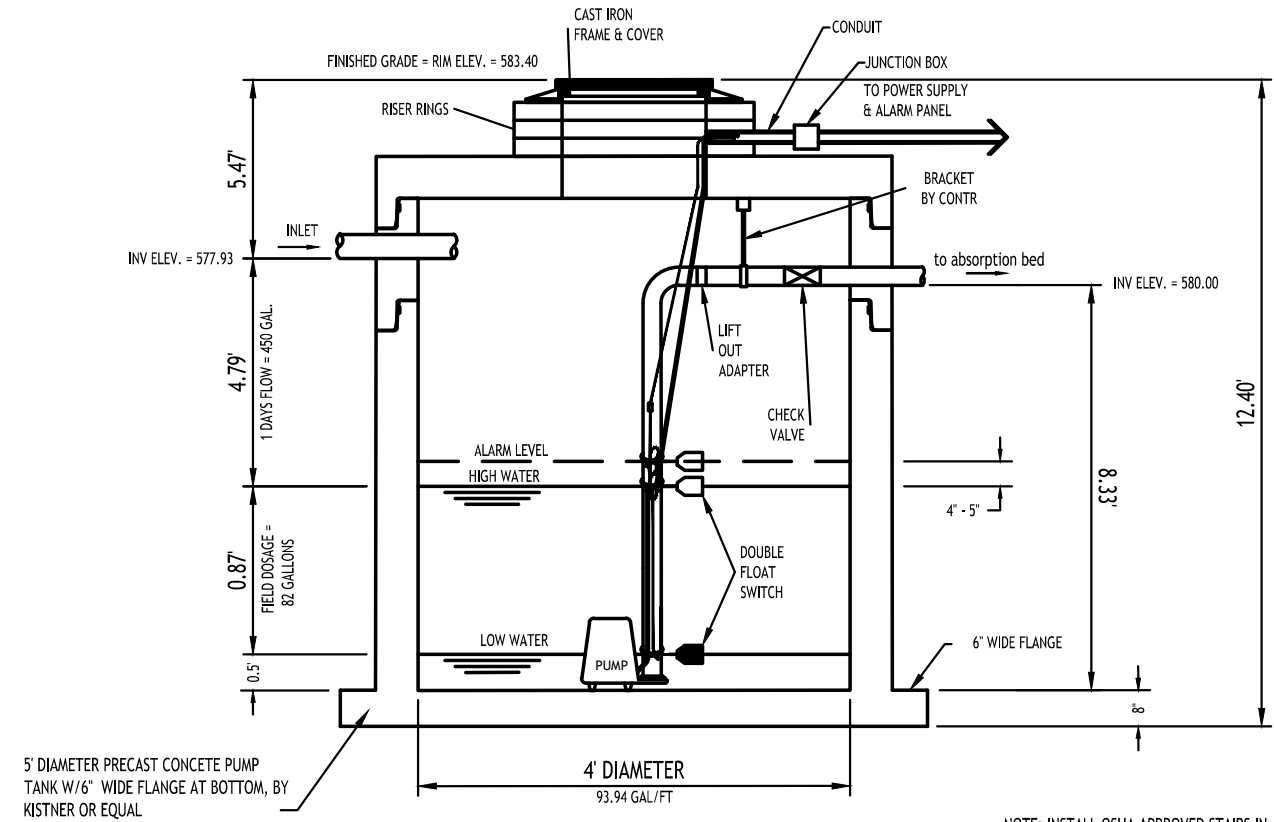
C-400

Project No: 24.4019

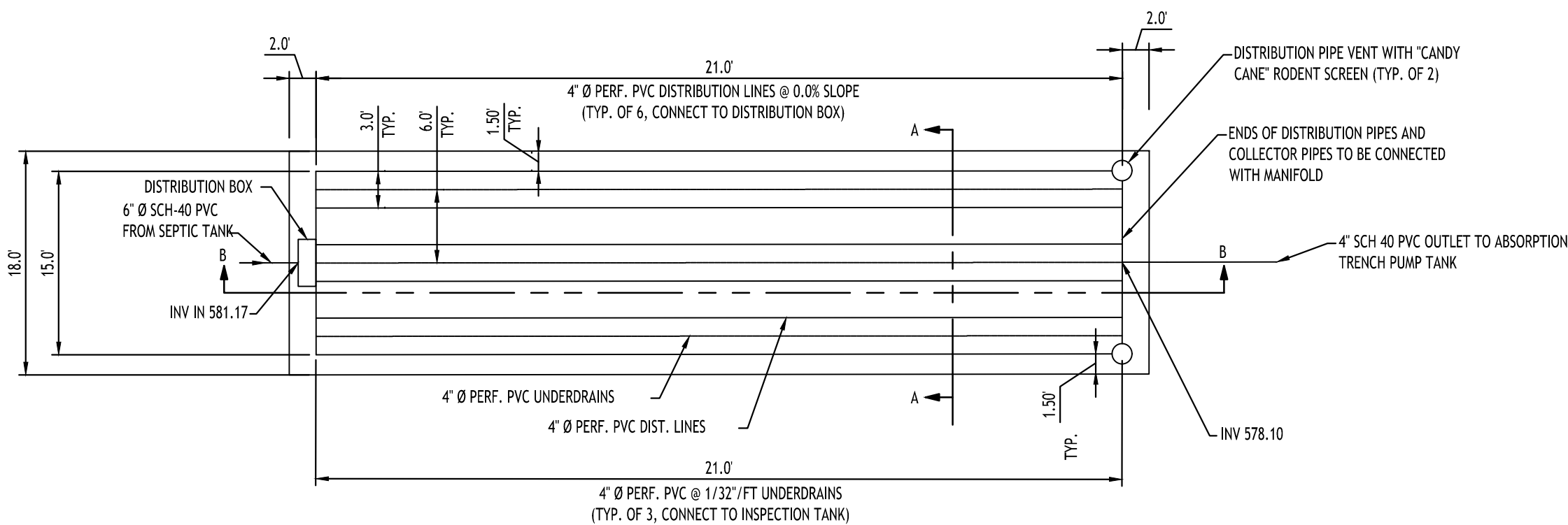


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PUMP TANK

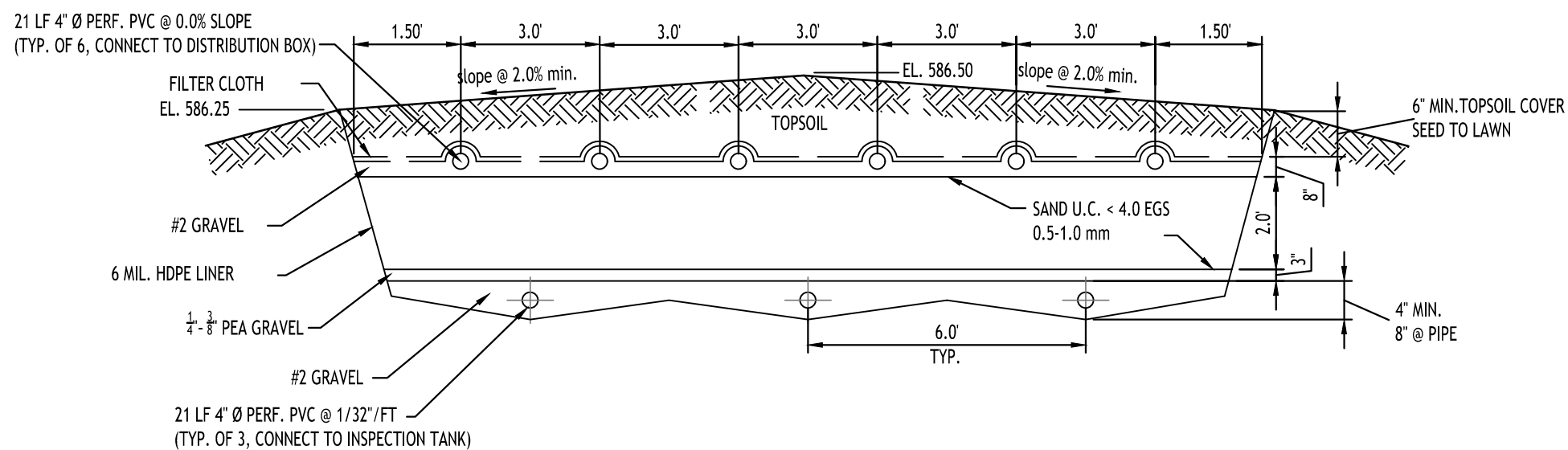


SAND FILTER PLAN

NOT TO SCALE

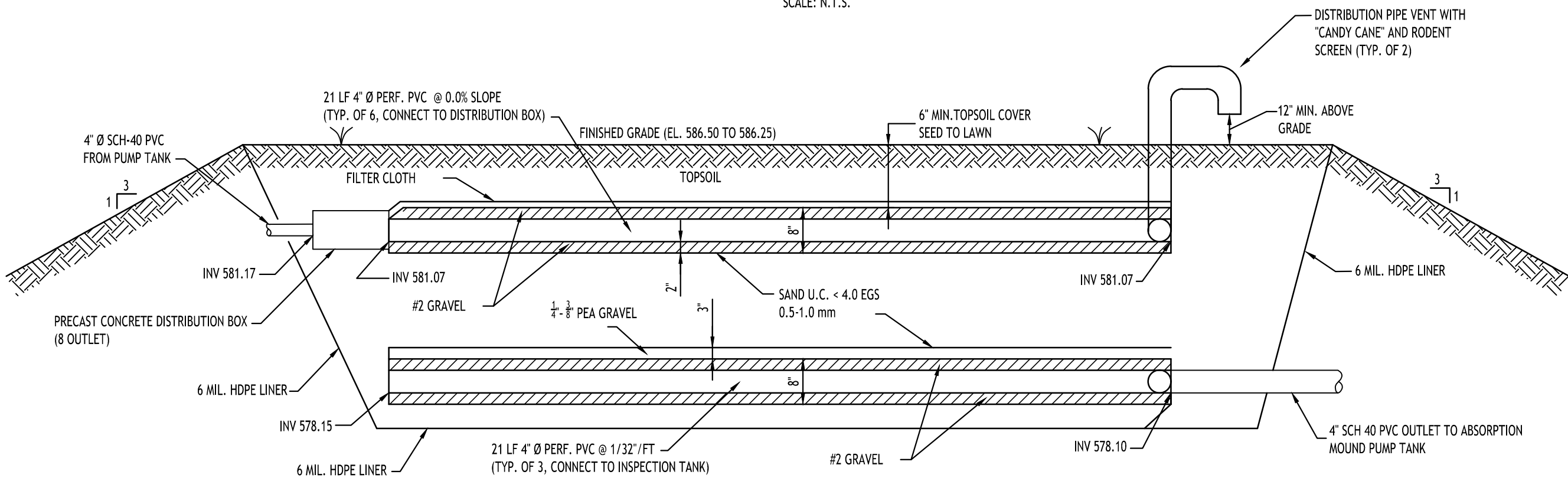
SAND FILTER NOTES:

1. ALL SAND SHALL BE UNIFORM COARSE TO MEDIUM SAND (< 4% PASSING #200 SIEVE), ALL PASSING 1/4 INCH SIEVE, HAVE A EFFECTIVE GRAIN SIZE (EGS) BETWEEN 0.25 - 1.00 mm, AN UNIFORMITY COEFFICIENT (UC) <= 4
2. IF A HDPE LINER IS USED, SEAL PENETRATIONS AND SEAMS WATER TIGHT
3. TOP OF SAND FILTER SHALL BE SLOPED TO DRAIN, AREAS AROUND THE FILTER SHALL BE GRADED TO DIVERT WATER AWAY
4. ALL HEAVY EQUIPMENT SHALL BE KEPT OFF THE SAND FILTER AREA FOLLOWING CONSTRUCTION.
5. depending on depth of high water mark or bedrock or the existing topography, the entire filter may be adjusted up or down. all required clearances and minimum slopes must be maintained. if adjustments are made to the filter, the engineer shall be notified prior to start of installation.



SAND FILTER CROSS SECTION A-A

SCALE: N.T.S.



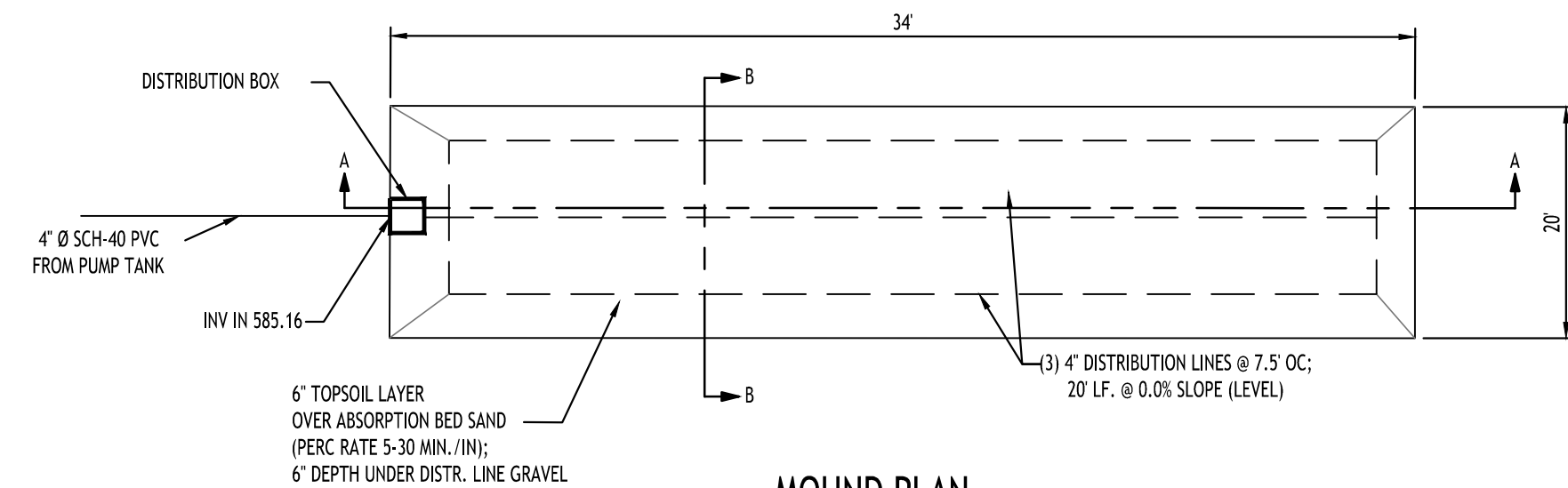
SAND FILTER SECTION B-B

SCALE: N.T.S.

MOUND NOTES:

1. TOP OF MOUND SHALL BE SLOPED TO DRAIN, AREAS AROUND THE BASE OF THE MOUND SHALL BE GRADED TO DIVERT WATER AWAY FROM THE MOUND.
2. SLOPE UNDER MOUND SHALL FOLLOW SLOPE OF EXISTING GRADE, EITHER SIDE TO SIDE OR LONGITUDINAL TO FACILITATE DRAINAGE (SHOWN AS SIDE TO SIDE FOR ILLUSTRATION PURPOSES).
3. ALL HEAVY EQUIPMENT SHALL BE KEPT OFF THE MOUND AREA FOLLOWING CONSTRUCTION. IN ADDITION, NO EQUIPMENT SHALL BE ALLOWED IN THE MOUND AREA FOLLOWING PLOWING OF THE EXISTING SOIL.
4. MOUND SHALL BE ELEVATED AS REQUIRED TO PROVIDE A MINIMUM OF 2' OF NATURAL SOIL ABOVE BEDROCK AND A MINIMUM OF 1' ABOVE THE HIGH GROUND WATER ELEVATION.
5. THE SLOPE OF THE ORIGINAL GROUND SURFACE IN THE LOCATION OF THE MOUND SHALL NOT EXCEED 12%. THE SYSTEM SHALL BE ORIENTED TO RUN PARALLEL WITH THE NATURAL SITE CONTOURS.
6. THE ABSORPTION BED SAND SHALL MEET THE FOLLOWING CRITERIA:
 - A. < 10% PASSING #200 SIEVE
 - B. >= 25% PASSING #35 SIEVE TO #10 SIEVE
 - C. < 15% PASSING 1/2 SIEVE
 - D. PERCOLATION RATE OF BETWEEN 5 - 30 MIN./INCH
 - E. E.G.S. BETWEEN 0.15 - 0.30 MM
 - F. U.C. BETWEEN 4 - 6
 - G. TEST RESULTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL
7. THE NATURAL VEGETATION SHALL NOT BE SCRAPPED AWAY WITH THE EXCEPTION OF TREES, STUMPS AND EXCESSIVE VEGETATION. THE PROPOSED MOUND AREA SHALL BE PLOWED TO A DEPTH OF 7' - 8' PREFERABLY WITH A DOUBLE-BOTTOM BLADE/FURROW PLOW WITH TURNED UPSLOPE OR A BACKHOE EQUIPPED WITH PLOWING BLADES. ALL TRAFFIC SHALL BE EXCLUDED FROM THE MOUND AREA FOLLOWING PLOWING.
8. DEPENDING ON DEPTH OF HIGH WATER MARK OR BEDROCK, THE ENTIRE MOUND MAY BE ADJUSTED UP OR DOWN. ALL REQUIRED CLEARANCES AND MINIMUM SLOPES MUST BE MAINTAINED. IF ADJUSTMENTS ARE MADE TO THE MOUND, THE ENGINEER SHALL BE NOTIFIED PRIOR TO START OF INSTALLATION.

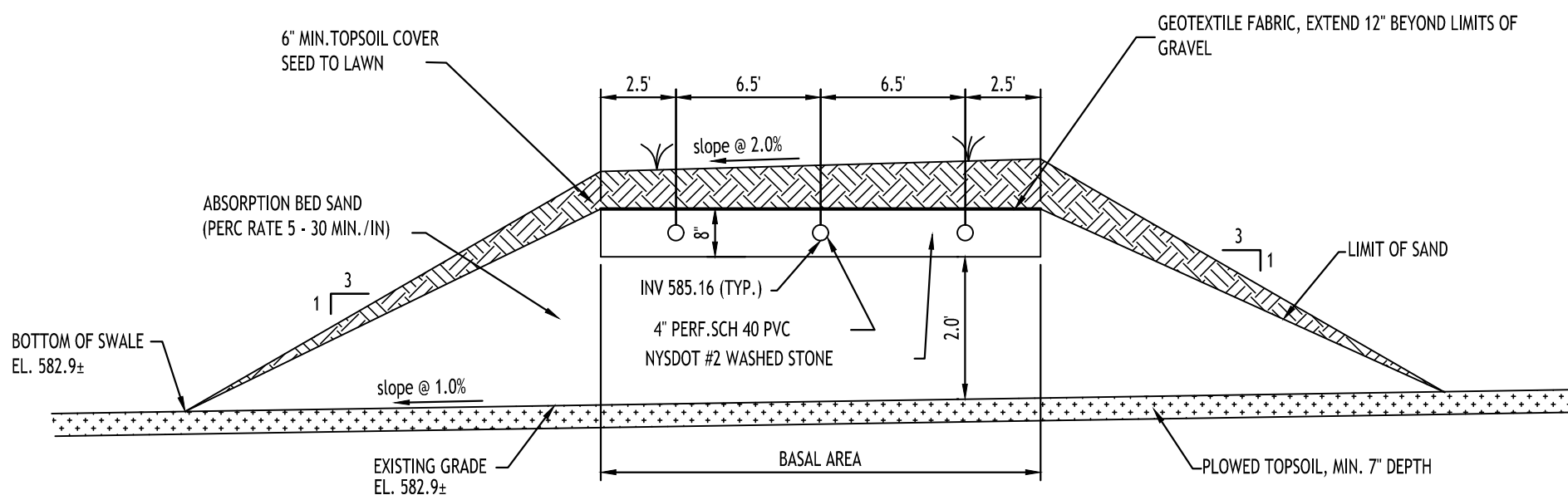
NOTE: ASTM C33 WASHED CONCRETE SAND WILL TYPICALLY MEET THE ABOVE SUGGESTED MOUND SAND CRITERIA AND WILL TYPICALLY BE AVAILABLE AT MOST SAND AND GRAVEL DISTRIBUTORS; HOWEVER, THIS MATERIAL WILL OFTEN HAVE A PERC RATE FASTER THAN THE MINIMUM OF 5 MINUTES PER INCH. THE PERCOLATION RATE SHALL BE VERIFIED AND TAKE PRECEDENCE TO THE FILL GRADATION REQUIREMENTS WHEN A MOUND IS PLACED OVER VERY SLOW PERCOLATING SOIL TO AVOID RAPID WEEPING OF FLUIDS AT THE GROUND SURFACE.



MOUND PLAN

SCALE: N.T.S.

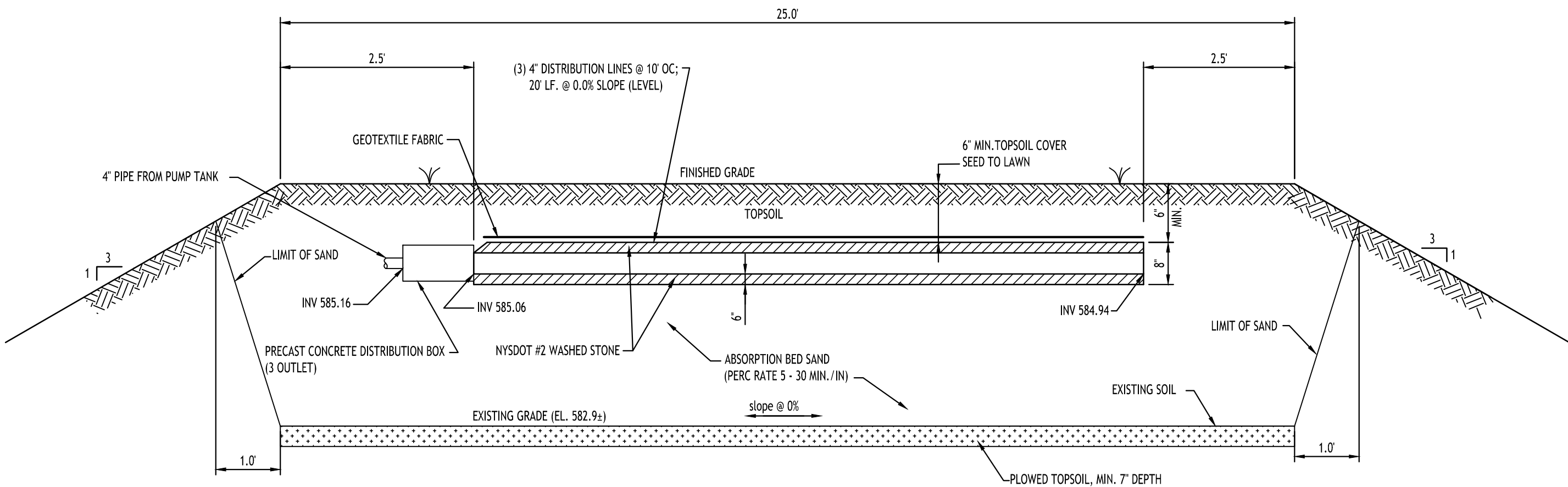
SIZING CALCULATION:
DAILY FLOW = 450 GPD
PERC RATE OF EX. UNDERLYING SOIL: > 60 MIN.
APPLICATION RATE BASED ON PERC. RATE = 1 GPD/SF
BASAL AREA REQ'D = 450 GPD / 1 GPD/SF = 450 SF
BASAL AREA PROVIDED = 450 SF



MOUND SECTION B-B

SCALE: N.T.S.

- The absorption bed sand shall meet the following criteria:
1. < 10% passing #200 sieve
 2. >= 25% between 0.5 mm to 2.0 mm
 3. Percolation rate of between 5 - 30 min./inch



MOUND SECTION A-A

SCALE: N.T.S.

TOWN OF AMHERST APPROVAL BOX:

APPROVAL BOX FOR TOWN OF AMHERST

CARMINA WOOD
DESIGN

Buffalo | Utica | Greensboro

Proposed Warehouse Building
5500 Millersport Highway
Amherst, New York

REVISIONS:	No.	Description	Date
	1	Rev. Per Town Comments	03/21/2025
	2	Rev. Per Town Comments	07/07/2025



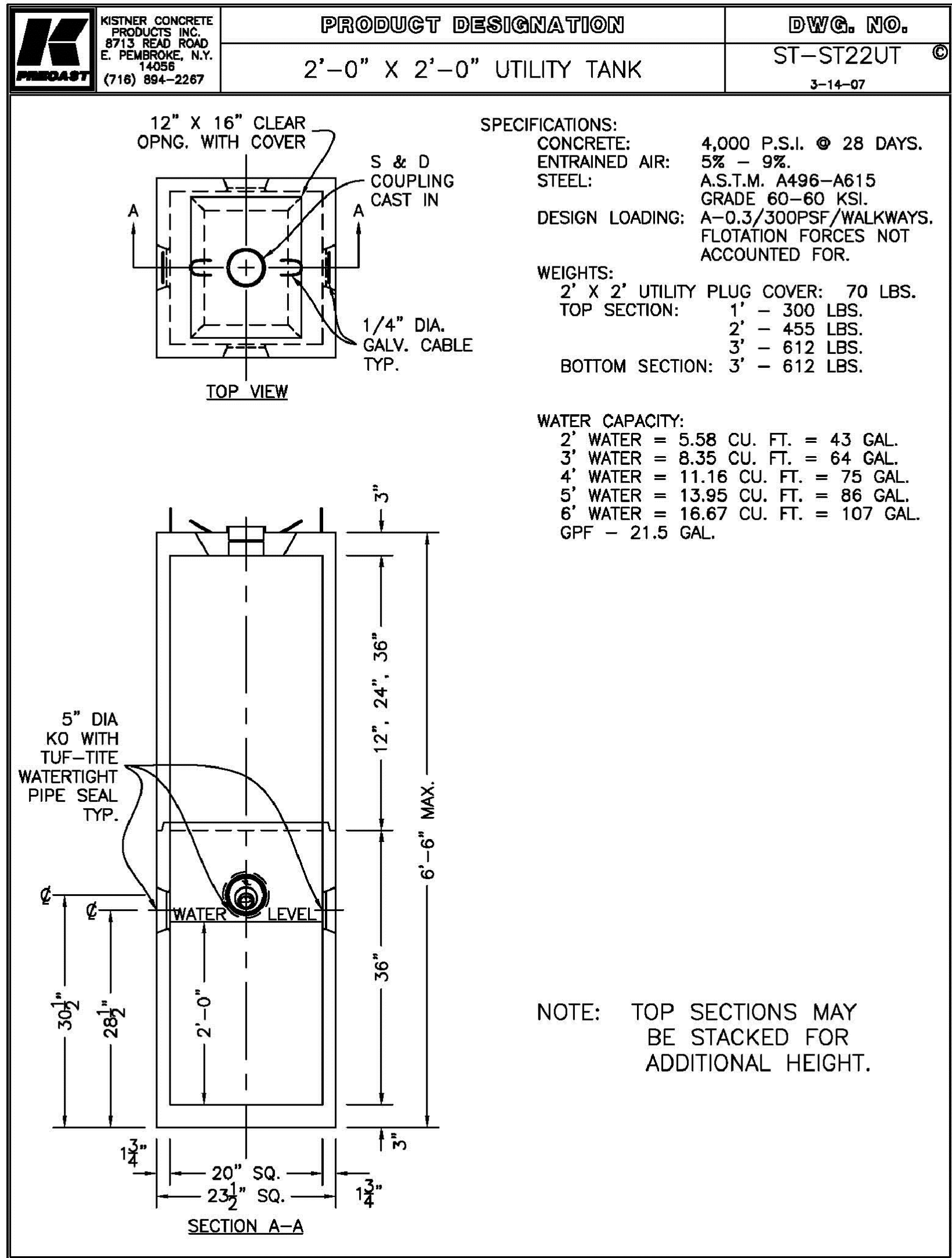
DRAWING NAME:
Utility Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

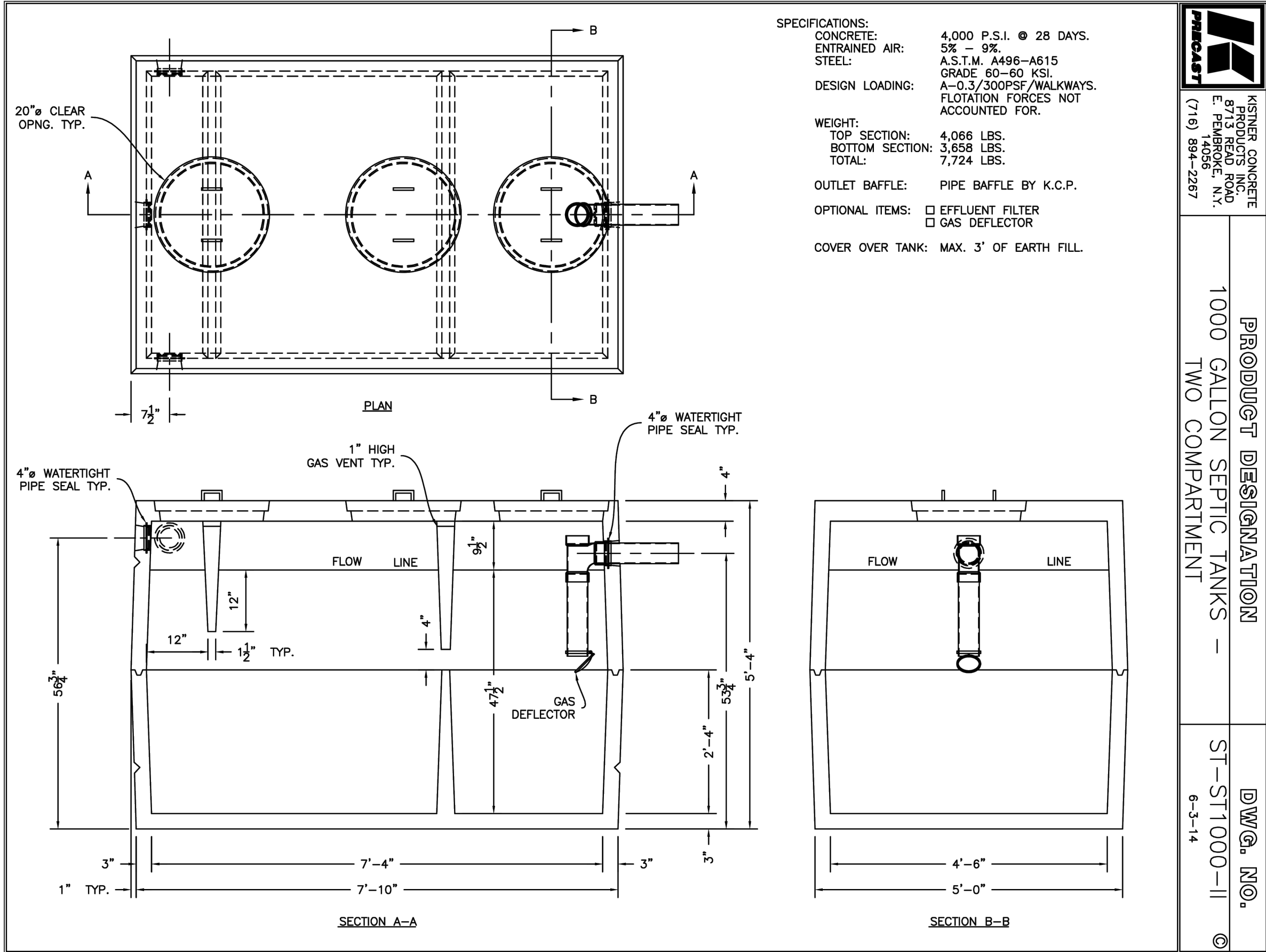
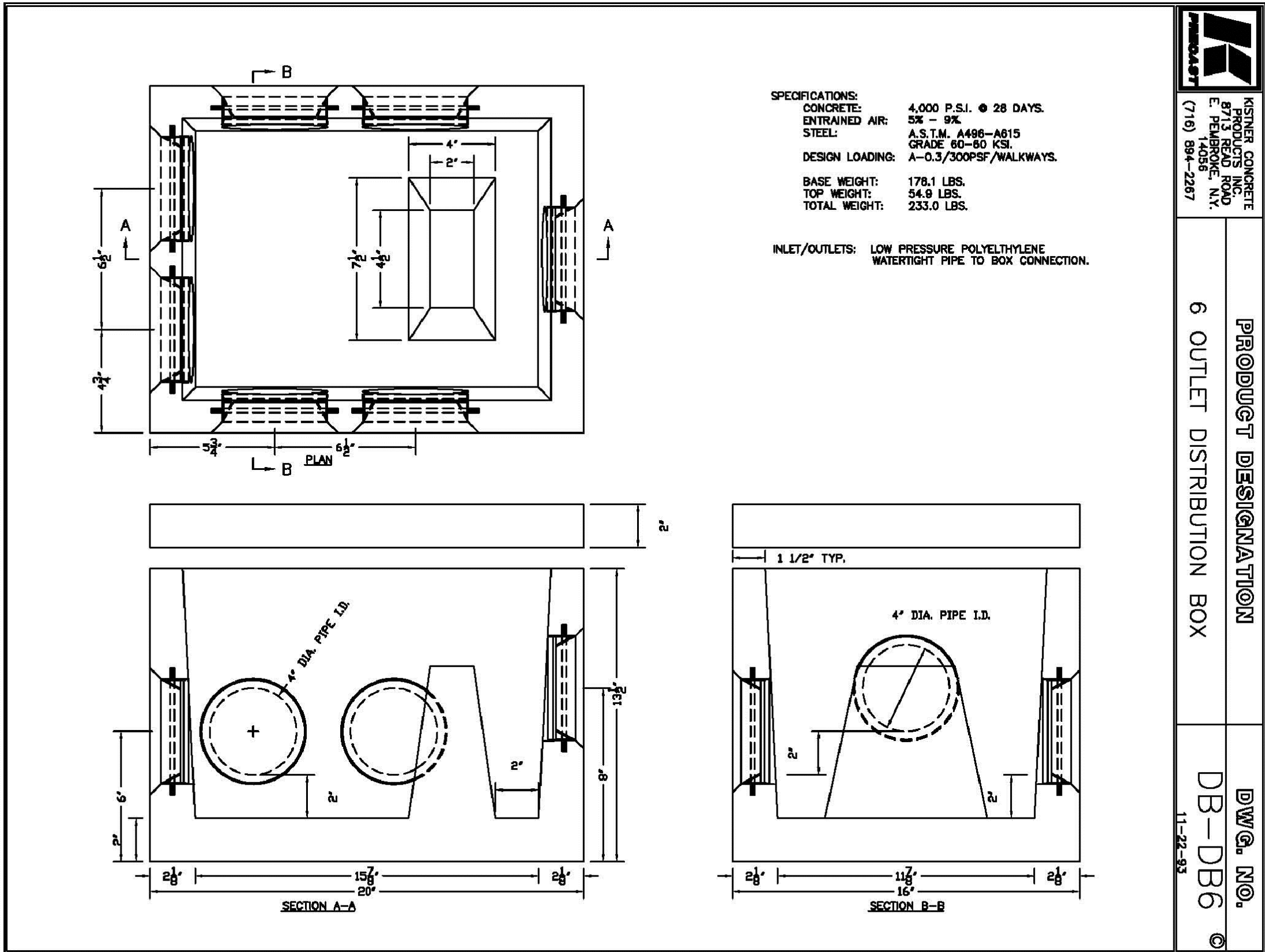
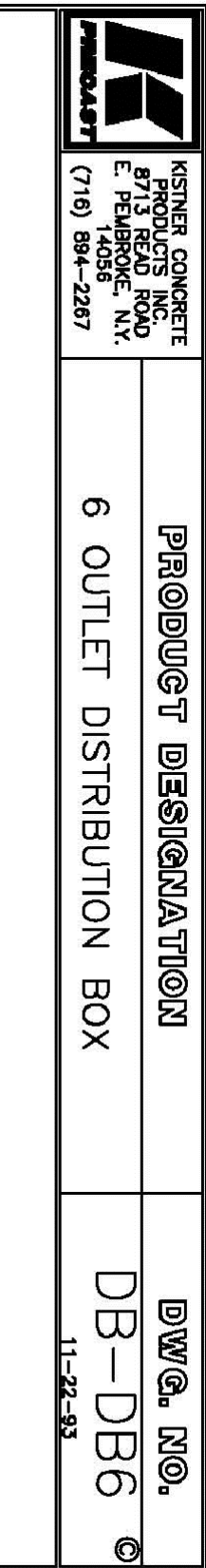
DRAWING NO.

C-401

Project No: 24.4019



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REVISIONS:		No.	Description	Date
A	Rev.	Per Town Comments	03/21/2025	07/07/2025
	Rev.	Per Town Comments	07/07/2025	

DRAWING NAME:
Utility Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-402

Project No: 24.4019

Proposed Warehouse Building
5500 Millersport Highway
Amherst, New York

CARMINA WOOD
DESIGN
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NOT TO SCALE



NOT TO SCALE



Detail

9

SD-20



Det

Det

Detail:

SD-16

Buffalo | Utica | Greensboro

5500 Millersport Highway

Amherst, New York

A circular professional engineer seal for Christopher Wood, State of New York. The seal features the text "STATE OF NEW YORK" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. In the center is a crest with a sun rising over mountains, flanked by two figures. Below the crest is the license number "076394". The name "CHRISTOPHER WOOD" is written in a semi-circle above the crest.

0-1-1-071071000

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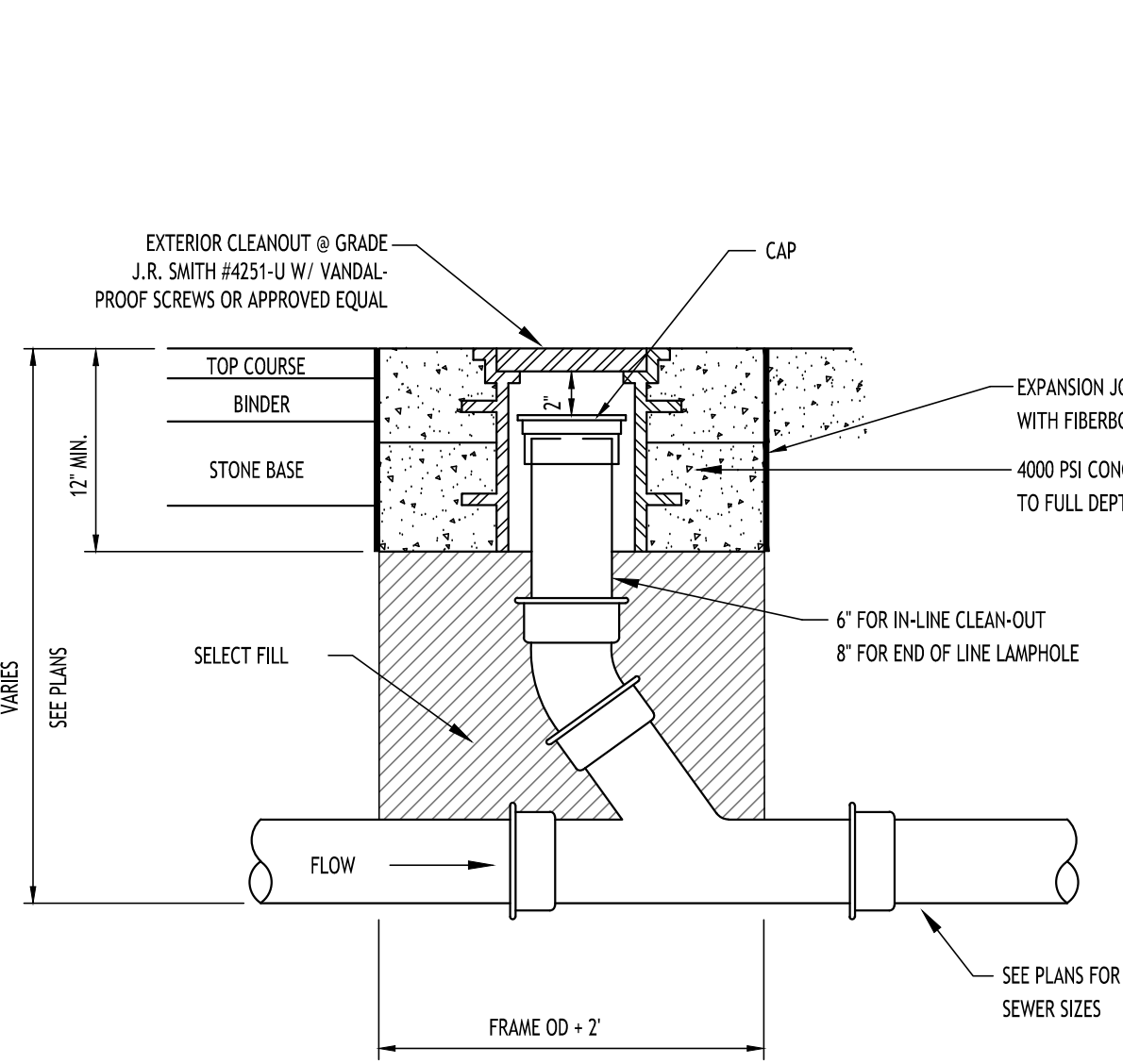
Utility Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

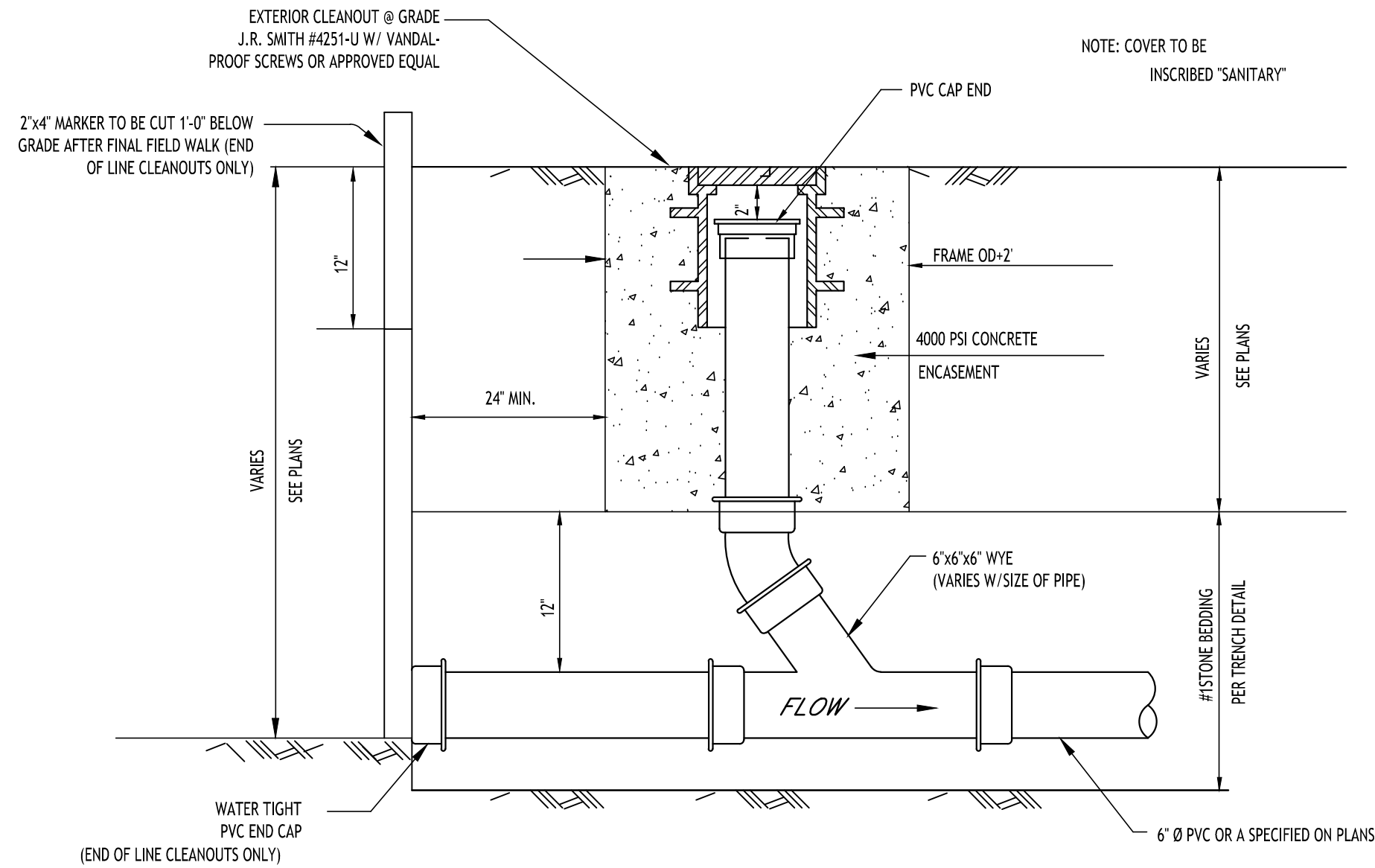
DRAWING NO.

C-403

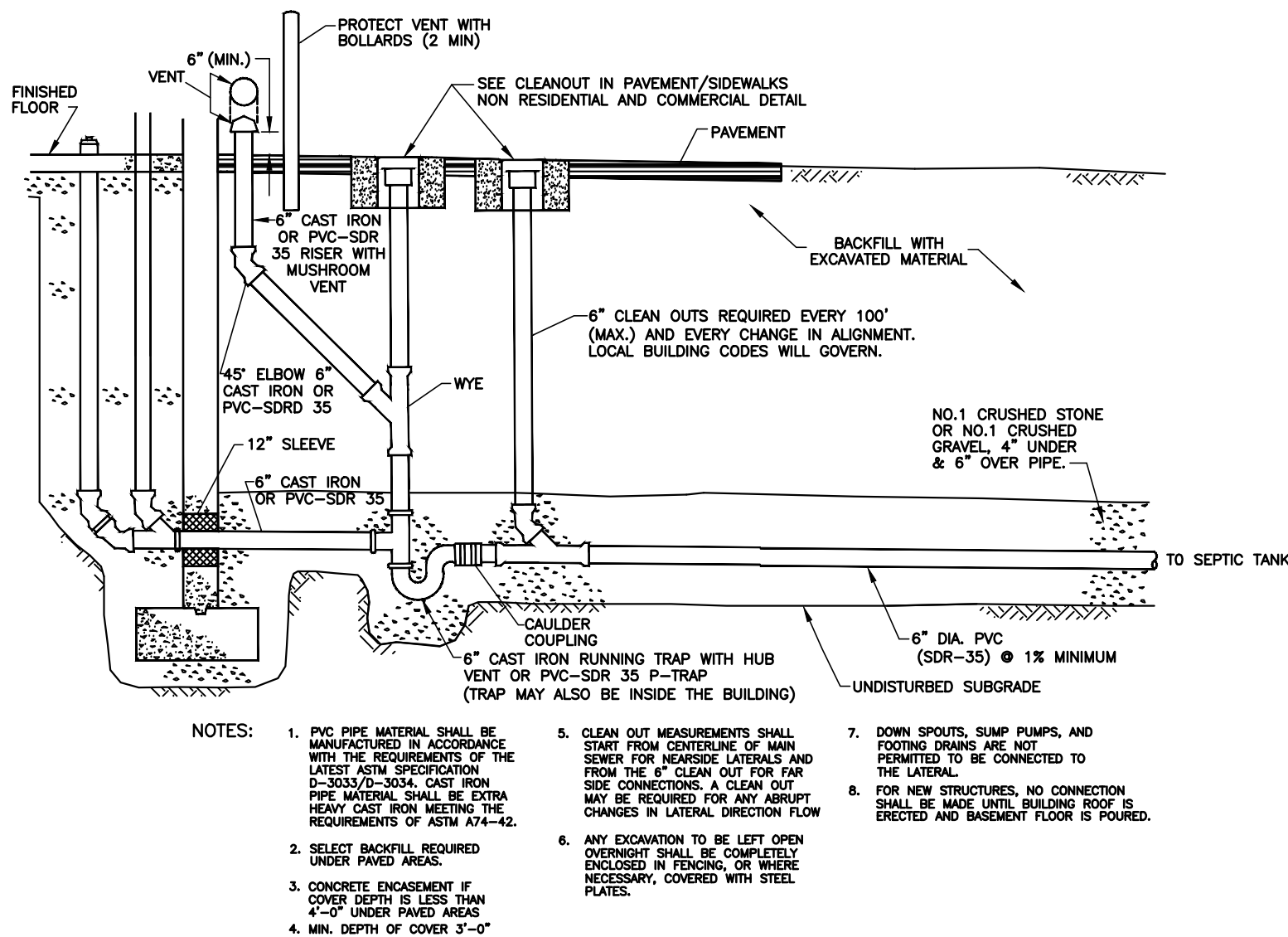
Project No: 24.4019



LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK
NOT TO SCALE



LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS
NOT TO SCALE



TYPICAL COMMERCIAL SERVICE WITHOUT BASEMENT DETAIL

TOWN OF AMHERST APPROVAL BOX:

REVISIONS:		No.	Description	Date
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		2	Rev. Per Town Comments	07/07/2025



DRAWING NAME:

Utility Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-404

Project No: 24.4019

Proposed Warehouse Building

5500 Millersport Highway
Amherst, New York

CARMINA WOOD

DESIGN

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PER TOWN OF AMHERST CODE:
CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ALL POSSIBLE TYPES OF ROOT, TRUNK, AND LIMB DAMAGE; INCLUDING BUT NOT LIMITED TO, RETAINING WALLS WHICH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING TREE ROOTS AS PER ZONING ORDINANCE 7-2-3(B)(3).

1. ALL INTERIOR LANDSCAPED AREAS SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM LONG FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.
2. ALL TREE PIT SAUCERS, SHRUB BEDS, ORNAMENTAL GRASS BEDS, AND PERENNIAL FLOWER BEDS SHALL RECEIVE "PREENT" HERBICIDE AND THREE (3) INCHES DEPTH OF DARK SHREDED HARDWOOD BARK MULCH.
3. ALL SEASONAL FLOWER BEDS SHALL BE A MINIMUM OF TWELVE (12) INCHES DEEP WITH A WELL-BLENDED MIXTURE OF 50% PEAT MOSS & 50% SCREENED TOPSOIL. SEASONAL FLOWER BEDS SHALL RECEIVE "PREENT" HERBICIDE. NO MULCH SHALL BE INSTALLED IN THE SEASONAL FLOWER BEDS.
4. ALL DECIDUOUS AND EVERGREEN TREES SHALL BE STAKED WITH THREE (3) TREE STAKES AS PER TREE PLANTING DETAIL.

1. ALL PLANTS INSTALLED SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED ON THE PLANS AND IN THE LATEST EDITION ON THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN, AHS 260.1
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF, THE QUANTITIES SHOWN ARE A MINIMUM AND ARE FOR REFERENCE ONLY.
3. THE CONTRACTOR SHALL PERFORM A ROUGH FIELD TAKEOUT OF ALL PLANTING MATERIAL LOCATIONS AND CONTACT THE OWNERS FIELD REPRESENTATIVE PRIOR TO ACTUAL INSTALLING. THE PLANTING MATERIAL LOCATIONS SHOWN ON THE PLANS ARE TO CONVEY THE DESIGN INTENT ONLY, ACTUAL LOCATIONS WILL BE FINALIZED BY THE OWNERS FIELD REPRESENTATIVE AT THE TIME OF INSTALLATION.
4. THE CONTRACTOR IS HEREBY NOTIFIED THAT IF UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PLANTINGS, ALL PROPOSED PLANTINGS SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY UNDERGROUND UTILITY, CONTACT THE OWNERS FIELD REPRESENTATIVE IF PLANTINGS SHOWN ON THE PLANS VIOLATE THIS SITUATION.
5. ALL TREES SHALL BE INSTALLED A MINIMUM OF 20' FROM ANY OVERHEAD ELECTRIC LINES.
6. PLANTING BACKFILL MIXTURE SHALL CONSIST OF 3 PARTS TOPSOIL, 1 PART PEAT MOSS, $\frac{1}{2}$ PART MILORGANITE.
7. STAKE TREES IMMEDIATELY FOLLOWING INSTALLATION.
8. ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED HARDWOOD BARK MULCH WITH "PREEK".
9. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INCLUDING RIGHT-OF-WAYS) SHALL BE SEEDDED.
10. THE AREAS ON THE PLAN TO BE SEEDDED SHALL HAVE 4" MINIMUM OF TOPSOIL, DISK PLOWED, LEVELED AND HAND RAKED SMOOTH. SURFACE SHALL BE ROLLED TO REMOVE LUMPS.
11. ALL SEEDED AREAS SHALL BE HYDROSEEDING IN ACCORDANCE WITH THE SPECIFICATION INDICATED. WHERE REQUIRED BY CLIMATIC CONDITIONS, SLOPE OR DROUSE OF PLANTING, SOD MAY BE SUBSTITUTED FOR SEEDING IN ORDER TO ACHIEVE THE REQUIRED COVERAGE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER, THIS SHALL INCLUDE WATERING DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS AND RE-SEEDING OF THIN SPOTS FOLLOWING THE GERMINATION OF THE SEEDS.

LEGN

DECIDUOUS TREE

SMALL TREE

EVERGREEN TREE/ SHRUB

BUSH/ORNAMENTAL GRASS

PERENNIAL

SEED MIX

PER TOWN OF AMHERST CODE:
ALL DEAD OR MISSING EXISTING PLANTS FROM THE PREVIOUSLY APPROVED SITE PLANS SHALL BE REPLACED/INSTALLED PER ZONING ORDINANCE 7-2-3(A)(1). CONTRACTOR SHALL REFER TO PREVIOUSLY APPROVED SITE AND LANDSCAPE PLANS BY OTHERS FOR ALL LANDSCAPE REFERENCES.

TOWN OF AMHERST APPROVAL BOX:

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	03/21/2025
2	Rev. Per Town Comments	07/07/2025



Project No: 24.4019

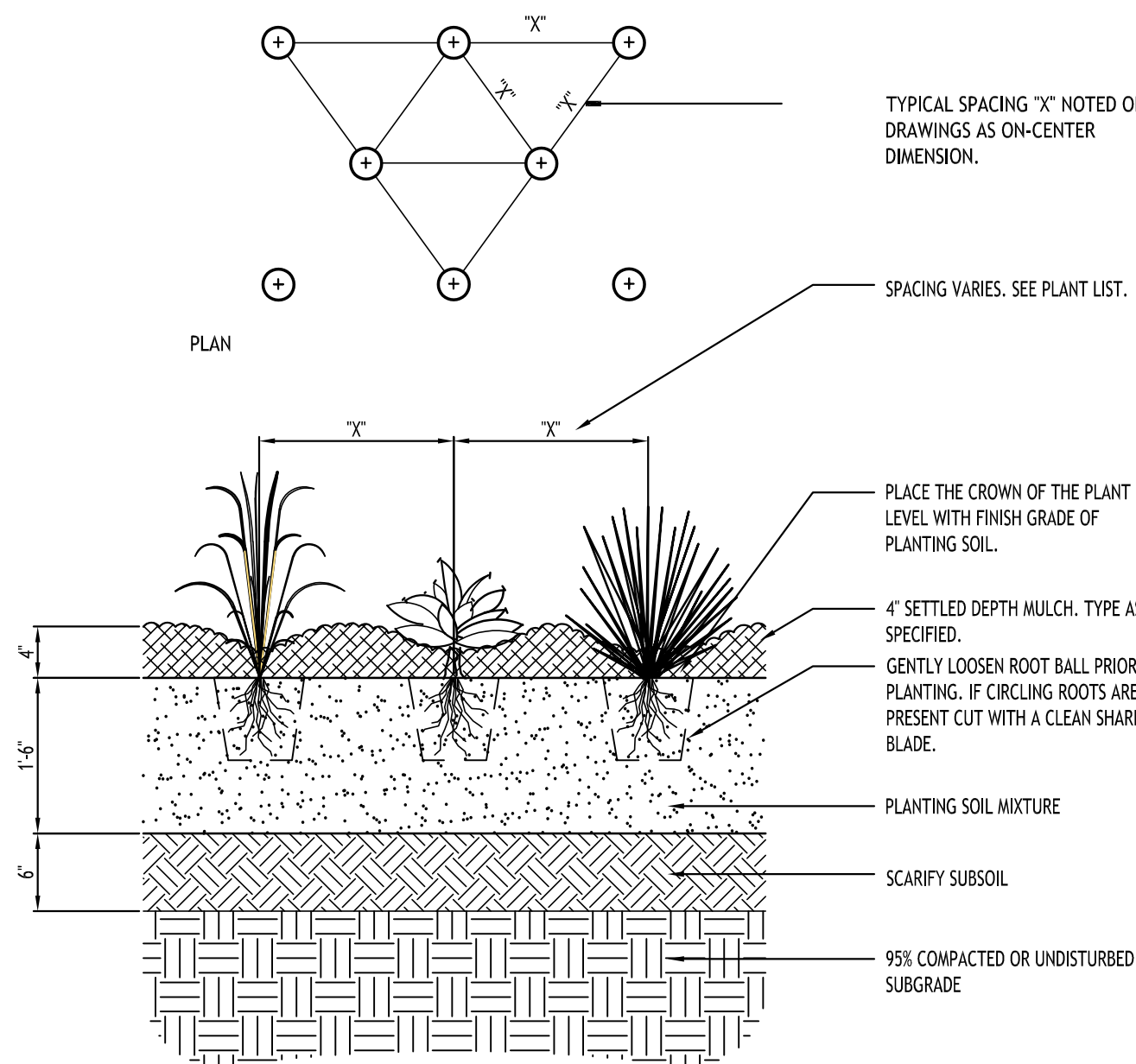
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29.90 % *Schizachyrium scoparium*, Fort Indiantown Gap-PA Ecotype
20.00 % *Elymus virginicus*, Madison-NY Ecotype
9.00 % *Carex vulpinoidea*, PA Ecotype
8.00 % *Echinacea purpurea*
5.80 % *Panicum rigidulum*, PA Ecotype
5.30 % *Chasmanthium latifolium*, WV Ecotype
3.00 % *Coreopsis lanceolata*
3.00 % *Rudbeckia hirta*
2.50 % *Verbena hastata*, PA Ecotype
2.00 % *Panicum clandestinum*, Tioga
1.80 % *Helopsis helianthoides*, PA Ecotype
1.50 % *Asclepias incarnata*, PA Ecotype
1.30 % *Penstemon digitalis*, PA Ecotype
1.00 % *Carex scoparia*, PA Ecotype
1.00 % *Senna hebecarpa*, VA & WV Ecotype
1.00 % *Zizia aurea*, PA Ecotype
0.50 % *Baptisia australis*, Southern WV Ecotype
0.50 % *Juncus effusus*
0.50 % *Juncus tenuis*, PA Ecotype
0.50 % *Pycnanthemum tenuifolium*
0.50 % *Vernonia noveboracensis*, PA Ecotype
0.40 % *Aster novae-angliae*, PA Ecotype
0.40 % *Monarda fistulosa*, Fort Indiantown Gap-PA Ecotype
0.20 % *Aster prenanthoides*, PA Ecotype
0.10 % *Aster lanceolatus*
0.10 % *Aster lateriflorus*
0.10 % *Aster pilosus*, PA Ecotype
0.10 % *Eupatorium perfoliatum*, PA Ecotype
0.10 % *Mimulus ringens*, PA Ecotype
0.10 % *Solidago juncea*, PA Ecotype
0.10 % *Solidago nemoralis*, PA Ecotype
0.10 % *Solidago rugosa*, PA Ecotype

- Little Bluestem, Ford Indiantown Gap-PA Ecotype
- Virginia Wildrye, Madison-NY Ecotype
- Fox Sedge, PA Ecotype
- Purple Coneflower
- Redtop Panicgrass, PA Ecotype
- River Oats, WV Ecotype
- Lanceleaf Coreopsis
- Blackeyed Susan
- Blue Vervain, PA Ecotype
- Deertongue, Tioga
- Oxeye Sunflower, PA Ecotype
- Swamp Milkweed, PA Ecotype
- Tall White Beardtongue, PA Ecotype
- Blunt Broom Sedge, PA Ecotype
- Wild Senna, VA & WV Ecotype
- Golden Alexanders, PA Ecotype
- Blue False Indigo, Southern WV Ecotype
- Soot Rush
- Path Rush, PA Ecotype
- Narrowleaf Mountainmint
- New York Ironweed, PA Ecotype
- New England Aster, PA Ecotype
- Wild Bergamot, Ford Indiantown Gap-PA Ecotype
- Zigzag Aster, PA Ecotype
- Lance Leaved Aster
- Calico Aster
- Heath Aster, PA Ecotype
- Boneset, PA Ecotype
- Square Stemmed Monkeyflower, PA Ecotype
- Early Goldenrod, PA Ecotype
- Gray Goldenrod, PA Ecotype
- Wrinkleleaf Goldenrod, PA Ecotype

Seeding Rate: 20 lb per acre with a cover crop. For sites that drain within 24 hours of a rain event use one of the following cover crops: Oats (1 Jan to 31 Jul; 30 lbs/acre), Japanese Millet (1 May to 31 Aug; 10 lbs/acre), or grain rye (1 Aug to 31 Dec; 30 lbs/acre).

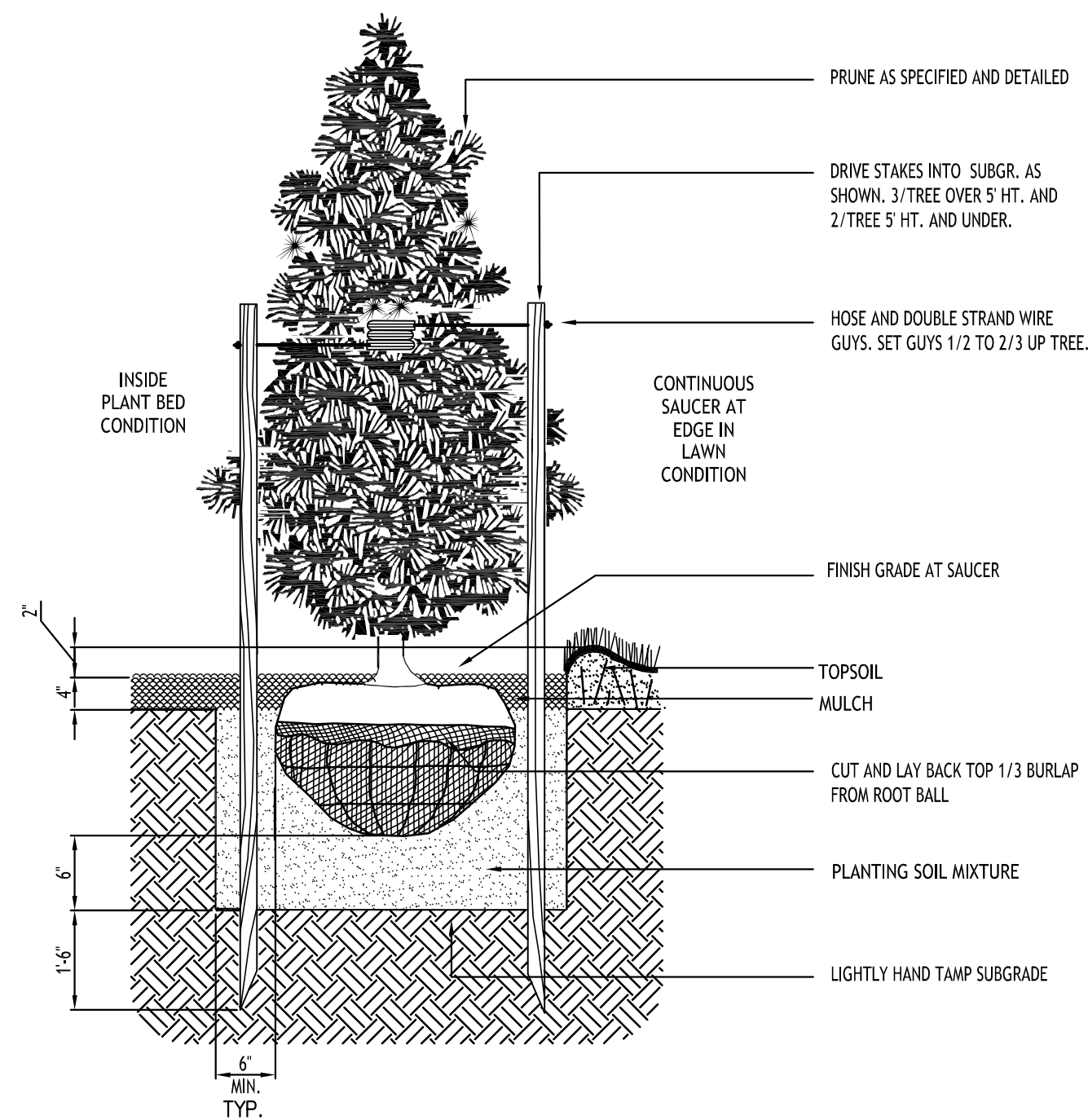
The native perennial forbs and grasses provide food and cover for rain garden biodiversity. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.



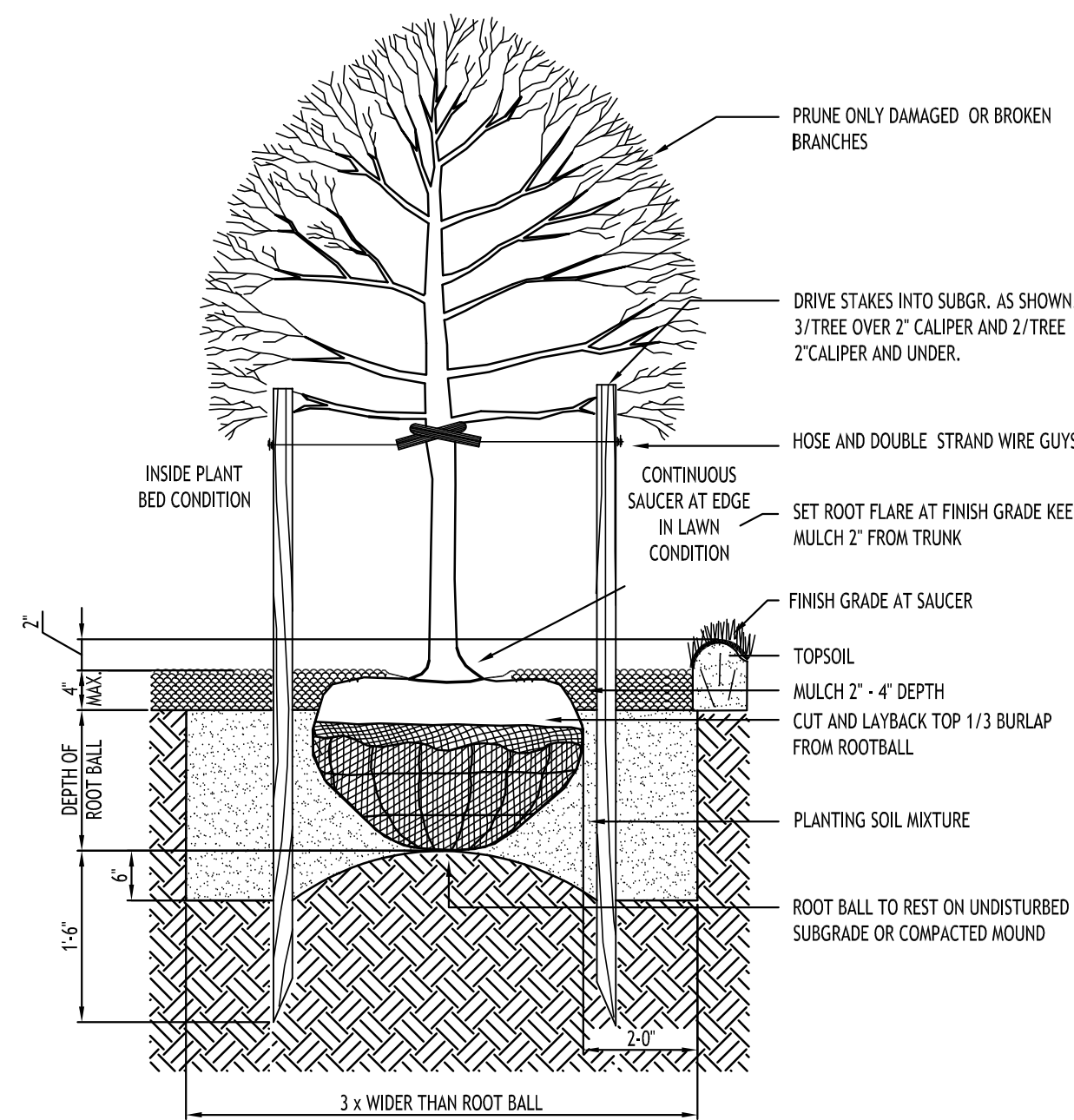
SECTION

NOTE: PLANT BULBS IN TRENCHES AND BOUQUET PLANTING GROUPS

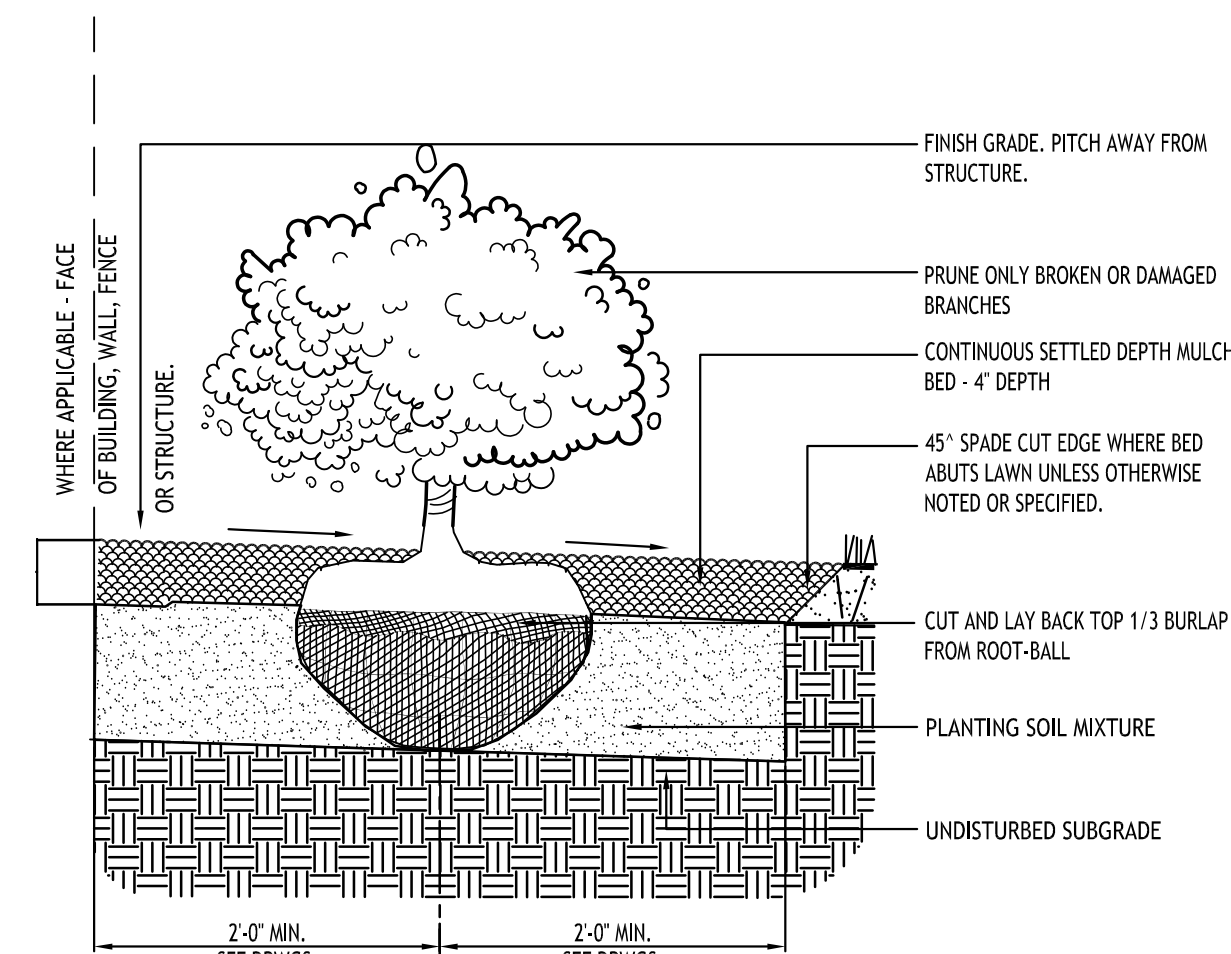
NO TO SCALE



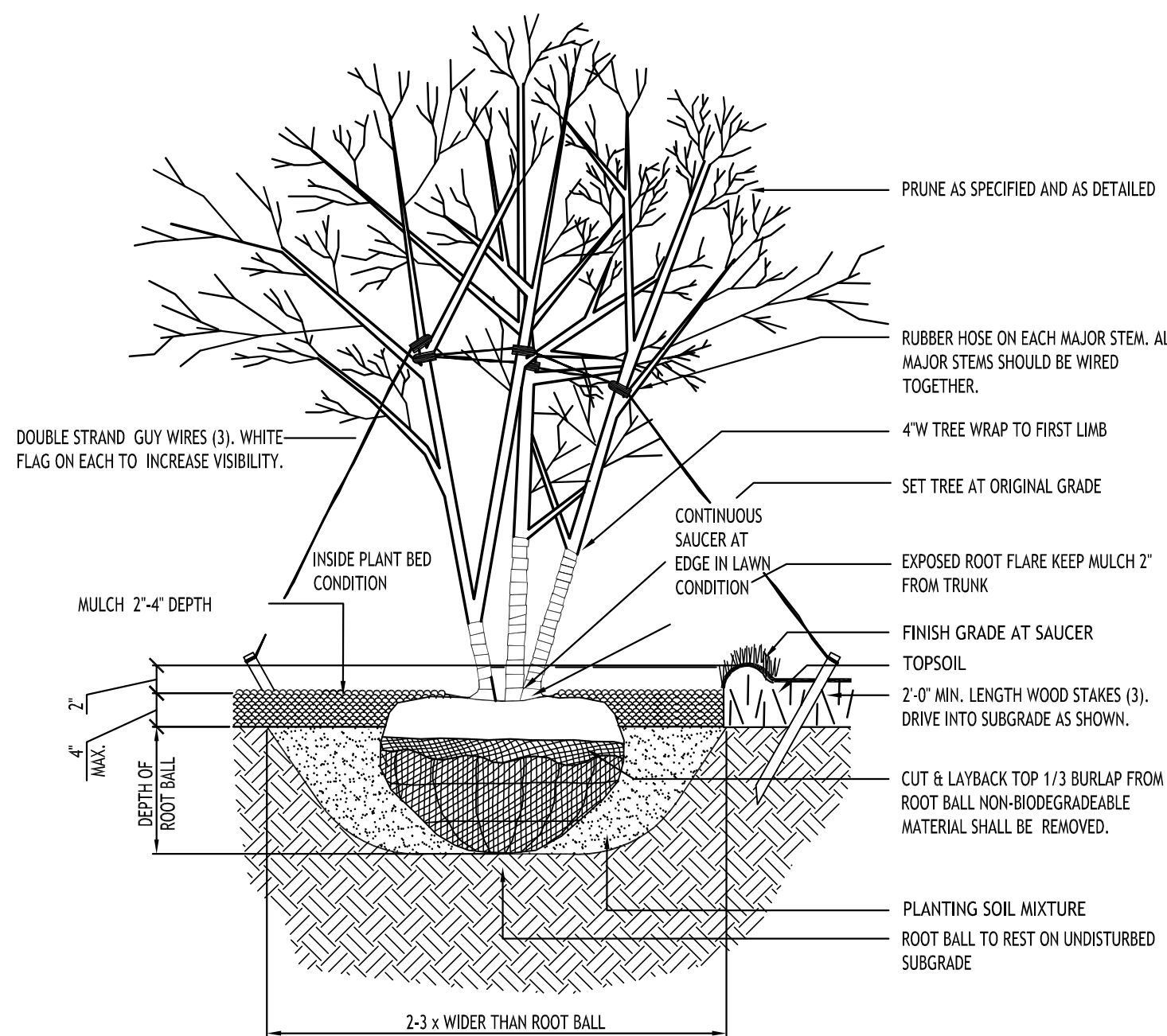
STD. EVERGREEN PLANTING



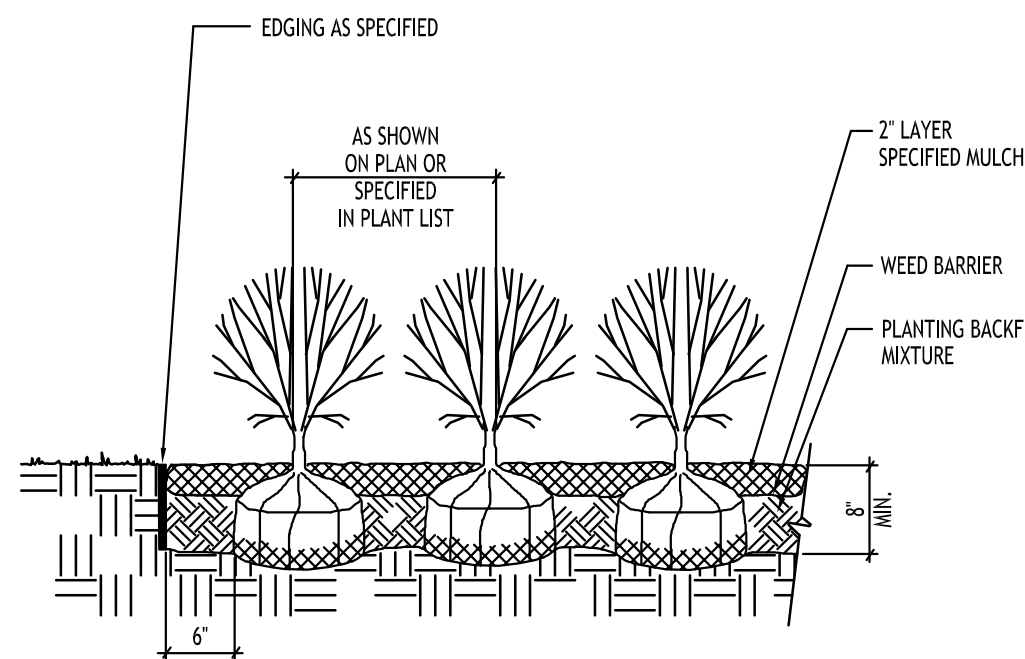
STD. DECIDUOUS TREET PLANTING



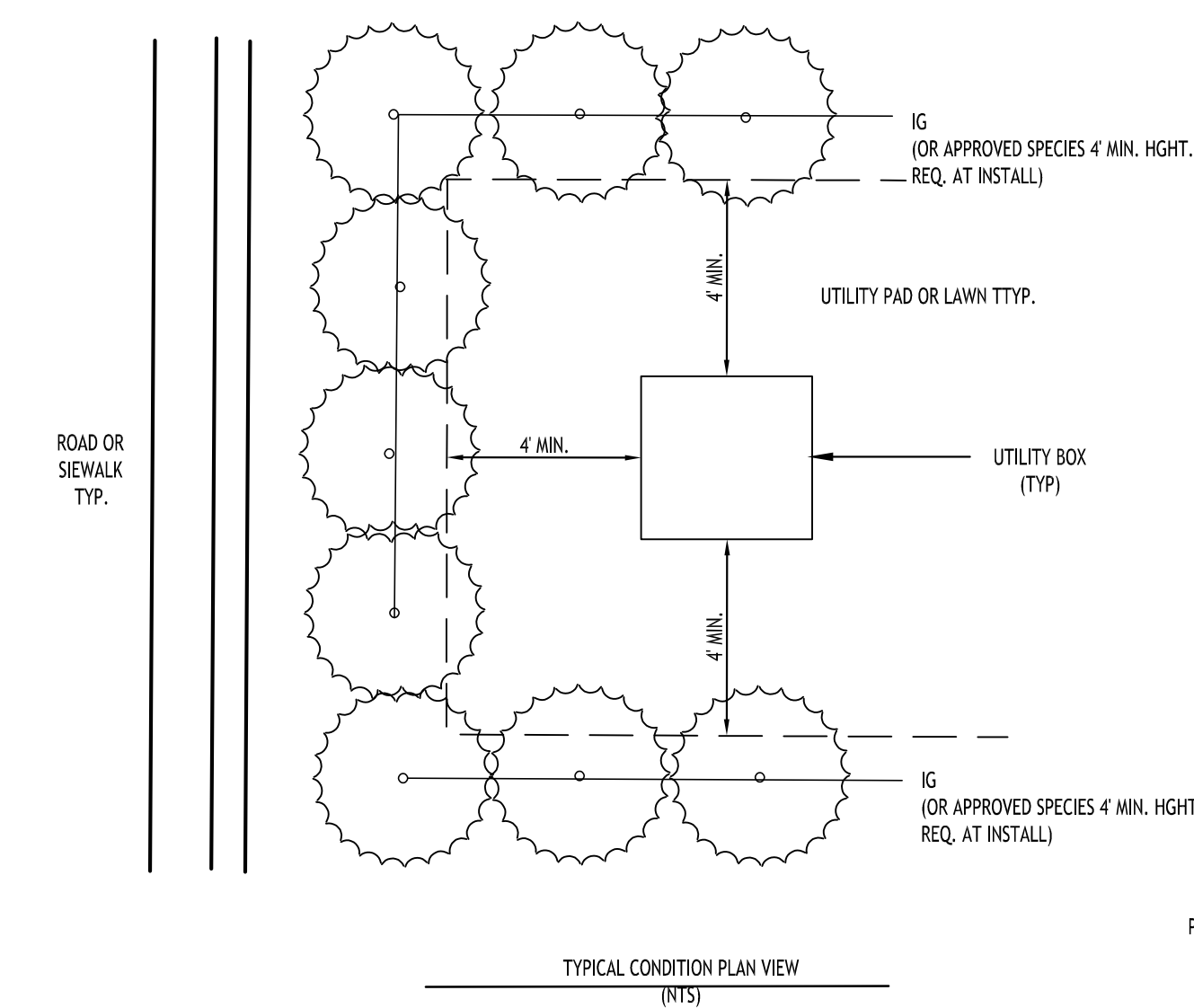
STD. SHRUB PLANTING



STD. MULTI STEM DECIDUOUS TREE PLANTING



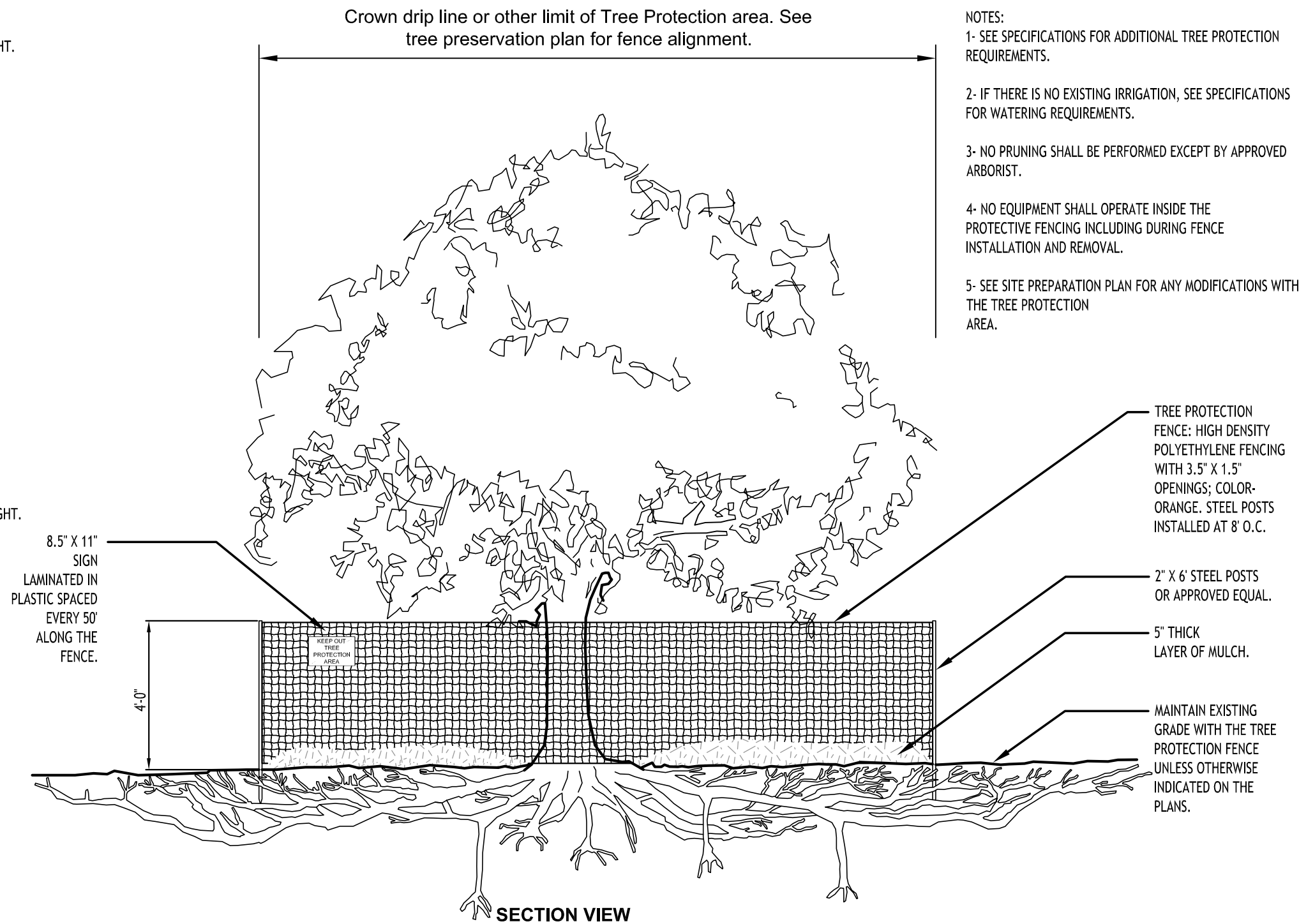
STD. SHRUB SPACING/PLANTING



NOTES:

1. USE EVERGREEN SHRUBS TO SCREEN ALL ABOVEGROUND UTILITY BOXES AND INFRASTRUCTURE FROM ADJACENT ROAD OR SIDEWALK PER TOWN OF AMHERST CODE
2. PROVIDE A MINIMUM 4' OFFSET FROM THE SHRUBS PLANTED EDGE TO THE EDGE OF THE UTILITY BOX TO ALLOW ENOUGH CLEARANCE FOR UTILITY MAINTENANCE TO BE PERFORMED

TYPICAL SHRUB PLANTING TO SCREEN UTILITY INFRASTRUCTURE



TREE PROTECTION / SAFETY NETTING

NOTE - REFERENCE SHEET C-001 FOR
PROTECTION TREATMENT AREA

NO TO SCALE

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	03/21/2025
2	Rev. Per Town Comments	07/07/2025



Sealed 07/07/2025

TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:

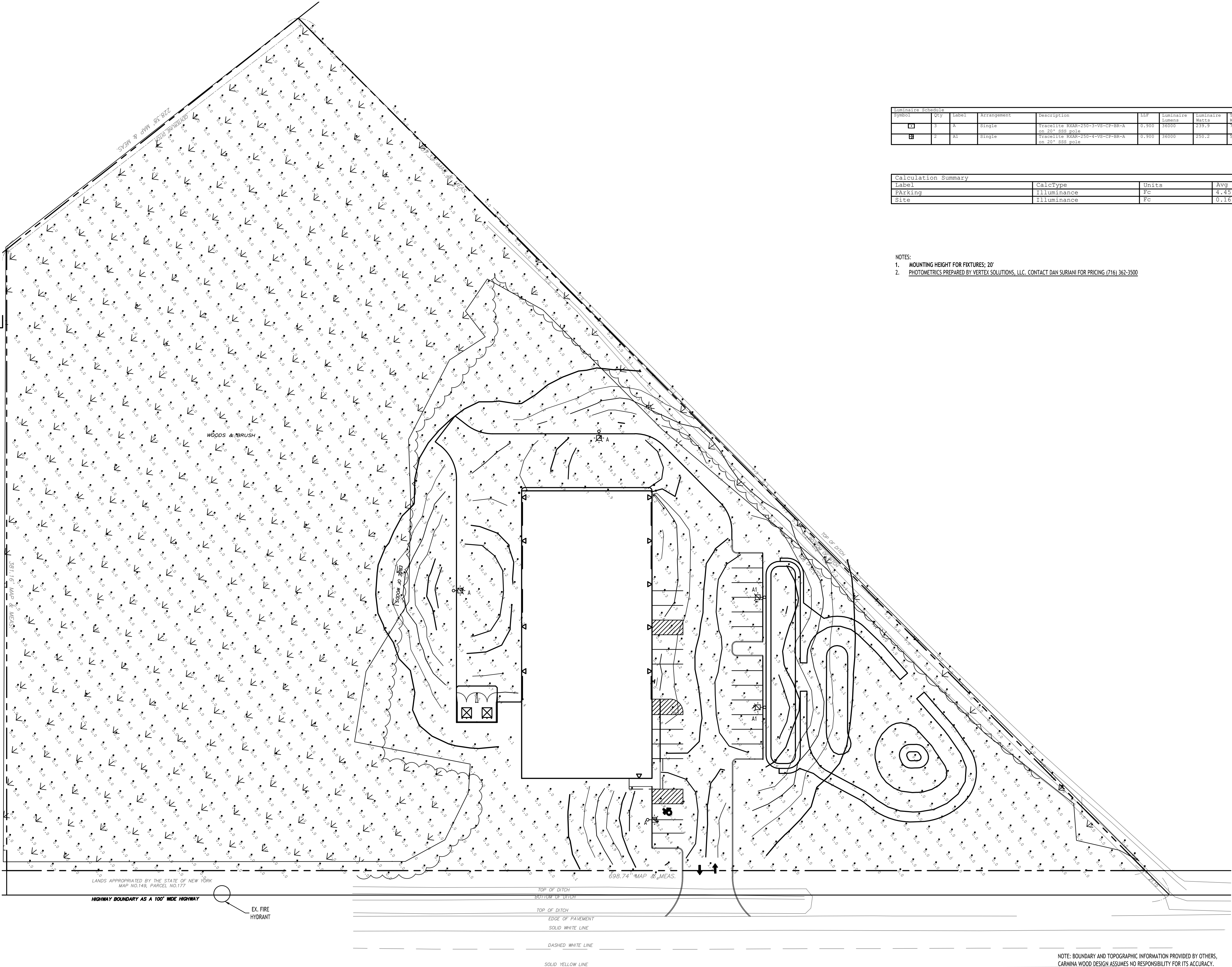
Landscape Details

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

L-101

Project No: 24.4019



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Description	LDF	Luminaire Lumens	Total Lumens
□	3	A	Single	Tracelite 8000-250-1-VS-CF-BB-A on 20' 880 pole	0.900	96000	288,000
□	2	A1	Single	Tracelite 8000-250-1-VS-CF-BB-A on 20' 880 pole	0.900	96000	192,000

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking	Illuminance	FC	4.45	19.1	0.0	N.A.	N.A.
Site	Illuminance	FC	0.16	11.4	0.0	N.A.	N.A.

- NOTES:
1. MOUNTING HEIGHT FOR FIXTURES: 20'
 2. PHOTOMETRICS PREPARED BY VERTEX SOLUTIONS, LLC. CONTACT DAN SURIANI FOR PRICING (716) 362-3500

TOWN OF AMHERST APPROVAL BOX:

REVISIONS:		No.	Description	Date
1		A	Rev. Per Town Comments	03/21/2025
2		A	Rev. Per Town Comments	07/07/2025



DRAWING NAME:
Lighting Plan

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

LP-100

Project No: 24.0419

CARMINA WOOD
DESIGN

Buffalo | Utica | Greensboro

Proposed Warehouse Building
5500 Millersport Highway
Amherst, New York

Sensor Details - Bluetooth Enabled (Accessory LE-M33W-AUX-HB1)

LE-M33W-AUX-HB1

SEE APP FOR
SENSOR SETTINGS

For a complete list of **lifelogic**
compatible products, [click here](#).

Get it from the
App Store

Get it from
Google Play

Sensor Details (Accessories TL-MSP12-BL and TL-MSSW-REMOTE)

TL-MSP12-BL

Coverage Side View

Coverage Top View (40°)

Sensor Settings (TL-MSSW-REMOTE)

DETECTION RADIIUS/ANGLE	MAX 60°/360°
MOUNTING HEIGHT	MAX 40'
REMOTE RANGE	MAX 33'
FREQUENCY	5.8 GHz
HIGH MODE	70%, 80%, 90%, 100% (DEFAULT 100%)
SENSITIVITY	20%, 50%, 75%, 100% (DEFAULT 100%)
HOLD TIME	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)
DAYLIGHT HARVESTING	☀️ (disabled), 10Lux, 30Lux, 50Lux, 100Lux, 150Lux, 200Lux, 300Lux (DEFAULT disabled)
STANDBY DIM SETTING	0, 10%, 20%, 30%, OFF (-) (DEFAULT 30%)
STANDBY TIME SETTING (TO OFF)	ON (disabled), 1min, 30min, 60min (DEFAULT 30min)

TL-MSSW-REMOTE Accessory
(Sold Separately)


Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group Installation instructions.

1061043 Rev 10

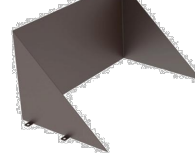
Page 5 of 7

BARRON
Lighting Group
800.533.3443 • www.barrongroup.com


Shields (sold separately for field installation)



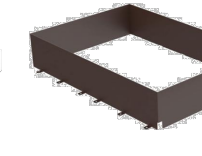
House Side Shield
RXAR-HSS
(Sold Separately)



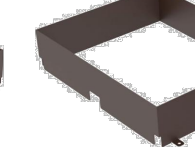
Small Glare Shield
RXAR-S-GS-BR
(Sold Separately)



Large Glare Shield
RXAR-L-GS-BR
(Sold Separately)




Small Full Glare Shield
RXAR-F-GS-BR
(Sold Separately)

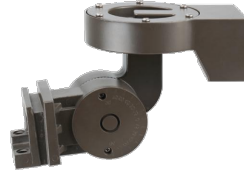


Large Full Glare Shield
RXAR-L-FGS-BR
(Sold Separately)


Mounting (non-standard mounts sold separately for field installation)




Splitter
RXAR-SF
For 2-3/8" O.D. Pipe with Angle Markers (Sold Separately)




Swivel
RXAR-SW
Allows Fixture to Swivel and Tilt (180° total tilt, 180° total swivel) (Sold Separately)



Wall Mount
RXAR-WM
Allows for Direct Wall Mount (Sold Separately)








Trunion
RXAR-TR
(Sold Separately)



Adjustable Pole Mount
RXAR-APM
Adjustable Between 90° Up and 90° Down with Angle Markers (Sold Separately)


Pole Top Arms






	<p>RT2-90-2-BR Round pole 90° tenon - 2 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, two arms, 90° Bronze finish.</p>		<p>RT2-120-3-BR Round pole, 120° tenon - 3 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, three arms, 120° Bronze finish.</p>
	<p>RT2-180-2-BR Round pole 180° tenon - 2 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, two arms, 180° Bronze finish.</p>		<p>RT2-90-4-BR Round pole, 90° tenon - 4 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, four arms, 90° Bronze finish.</p>
	<p>RT2-90-3-BR Round pole 90° tenon - 3 arms Vertical steel tenon adaptor to mount over a 2-3/8" O.D. round pole, three arms, 90° Bronze finish.</p>		



Specifications are subject to change without notice.
 Installation must be performed in accordance with
 Barron Lighting Group installation instructions.

10815438 Rev 10

Page 6 of 7



<p>Tenon Adaptors</p> 	<p>ST4-BR Square tenon 4" 2-3/8" O.D. steel tenon adaptor to fit into 4" square pole. Includes 4x 5/16" hex stainless steel bolts. Bronze finish.</p>		<p>RT4-BR Round tenon 4" 2-3/8" O.D. steel tenon adaptor to fit over 4" round pole. Not suitable for tapered poles. Includes 3x 3/8" hex stainless steel bolts. Bronze finish.</p>
	<p>ST5-BR Square tenon 5" 2-3/8" O.D. steel tenon adaptor to fit into a 5" square pole. Includes 4x 5/16" hex stainless steel bolts. Bronze finish.</p>		<p>RT5-BR Round tenon 5" 2-3/8" O.D. steel tenon adaptor to fit over 5" round pole. Not suitable for tapered poles. Includes 3x 3/8" hex stainless steel bolts. Bronze finish.</p>
	<p>YM-T-BR Yoke mount tenon adaptor 2-3/8" O.D. steel tenon adaptor for use with yoke mount accessory. Bronze finish.</p>		

<p>Wall Mount Adaptors</p> 	<p>WM-T-90-BR Wall mount 90° tenon 2-3/8" O.D. steel tenon adaptor with 90° arm for wall mount applications, for use with splittler accessory. Bronze finish. 3-1/4" Spacing between mounting holes.</p>		<p>WM-T-S-BR Wall mount straight tenon 2-3/8" O.D. steel tenon adaptor arm for wall mount applications, for use with splittler accessory. Bronze finish.</p>
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Drilling Template (Standard Mount)

The diagram shows a drilling template for a standard wall mount. It consists of two parts: a circular hole with a diameter of 0.41 inches and a rectangular hole with a width of 0.41 inches and a height of 1.33 inches. The distance between the center of the circular hole and the center of the rectangular hole is 2.78 inches.

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10E10439 Rev 10

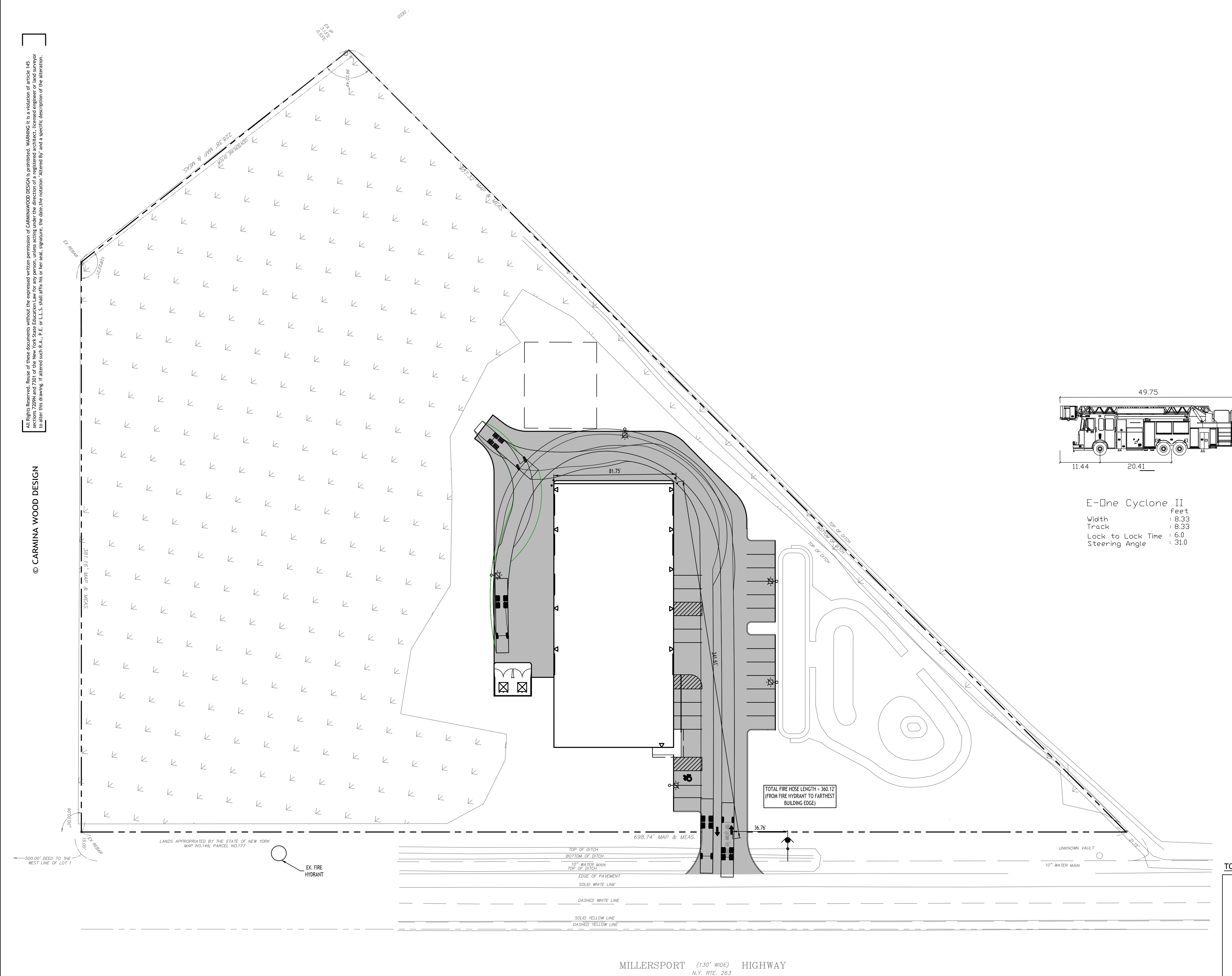
Page 7 of 7

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TOWN OF AMHERST APPROVAL BOX:

Sealed 07/07/2025

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CARMIN/WOOD
DESIGN
Buffalo | Utica | Greensboro

Proposed Warehouse Building

5500 Millersport Highway
Amherst, New York

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	03/21/2025
2	Rev. Per Town Comments	07/07/2025



Sealed 07/07/2025

DRAWING NAME:

Fire Truck Turning Plan

Date: 11/19/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

FT-100

Project No: 24.4019