

Single Family Subdivision

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.
ADDRESS: 5583 MAIN ST.
AMHERST, NEW YORK 14221

TELEPHONE 716-631-7080

ECDOH

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

TELEPHONE 716-961-6854

NYSDEC

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

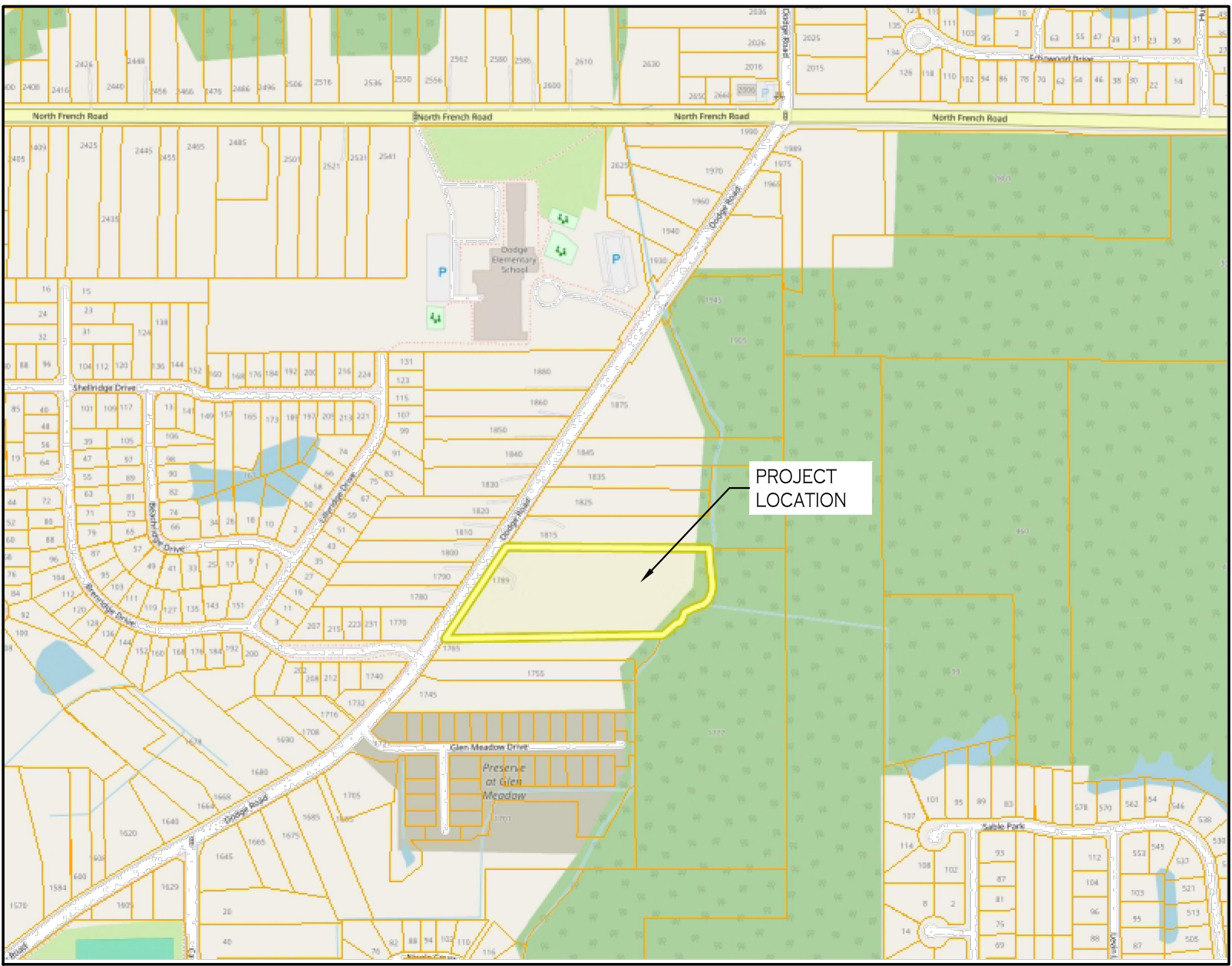
PROJECT SURVEYOR

COMPANY/DEPT: NUSSBAUMER & CLARKE, INC.
ADDRESS: 3556 LAKESHORE ROAD, SUITE 500
BUFFALO, NEW YORK 14219

TELEPHONE 716-827-8000

OWNER/DEVELOPER

NAME: JOE RUBINO
ADDRESS: 5500 MAIN STREET, SUITE 343
WILLIAMSVILLE, NY 14221
CONTACT: JOE RUBINO
TELEPHONE 716-510-4338



LOCATION MAP
NOT TO SCALE



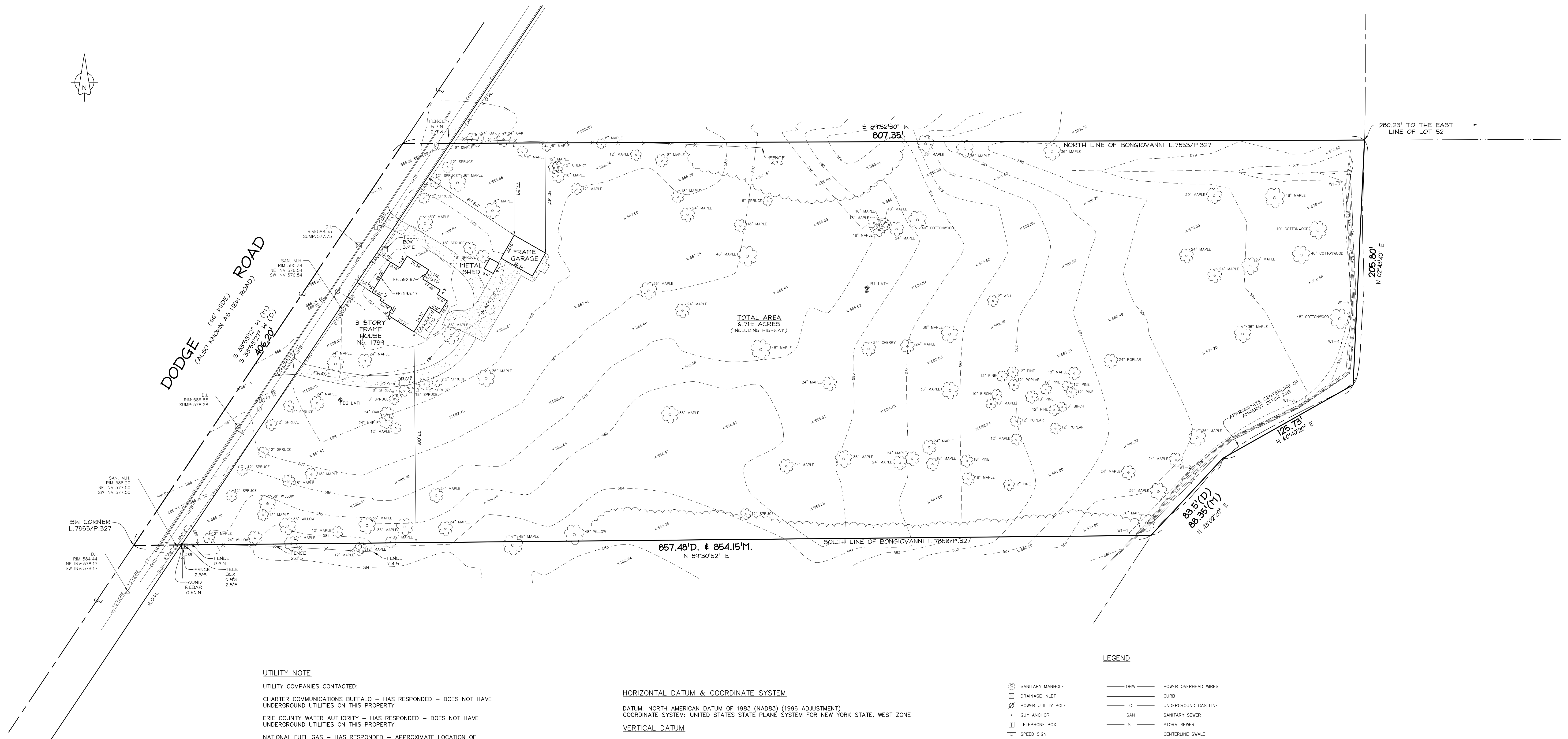
CARMINAWOOD
DESIGN

FEBRUARY 2025
REV. MAY 2025

DRAWING NO.	DRAWING TITLE
—	COVER SHEET
—	LAND SURVEY (PREPARED BY NUSSBAUMER & CLARKE)
C-001	DEMOLITION & EROSION CONTROL PLAN
C-002	DEMOLITION & EROSION CONTROL DETAILS
C-100	LAYOUT PLAN
C-101	SITE DETAILS
C-200	GRADING PLAN
C-201	ROAD PROFILE
C-300	STORM WATER MANAGEMENT PLAN
C-301	BASIN DETAILS
C-302	STORM DRAINAGE DETAILS
C-303	STORM DRAINAGE DETAILS
C-400	UTILITY PLAN
C-401	UTILITY PROFILES
C-402	SANITARY SEWER DETAILS
C-403	SANITARY SEWER DETAILS
C-404	SANITARY SEWER NOTES
C-405	WATER DETAILS
C-406	WATER DETAILS
C-407	LIGHTING DETAILS
C-408	LIGHTING DETAILS
C-409	LIGHTING DETAILS

REV #	DESCRIPTION	DATE
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024
3	Rev. Per Town Comments	11/11/2024
4	Rev. Per Town Comments	3/20/2025
5	Rev. Per Town Comments	4/16/2025
6	Rev. Permanent Open Space	5/13/2025
7	Rev. Per Town Comments	5/23/2025

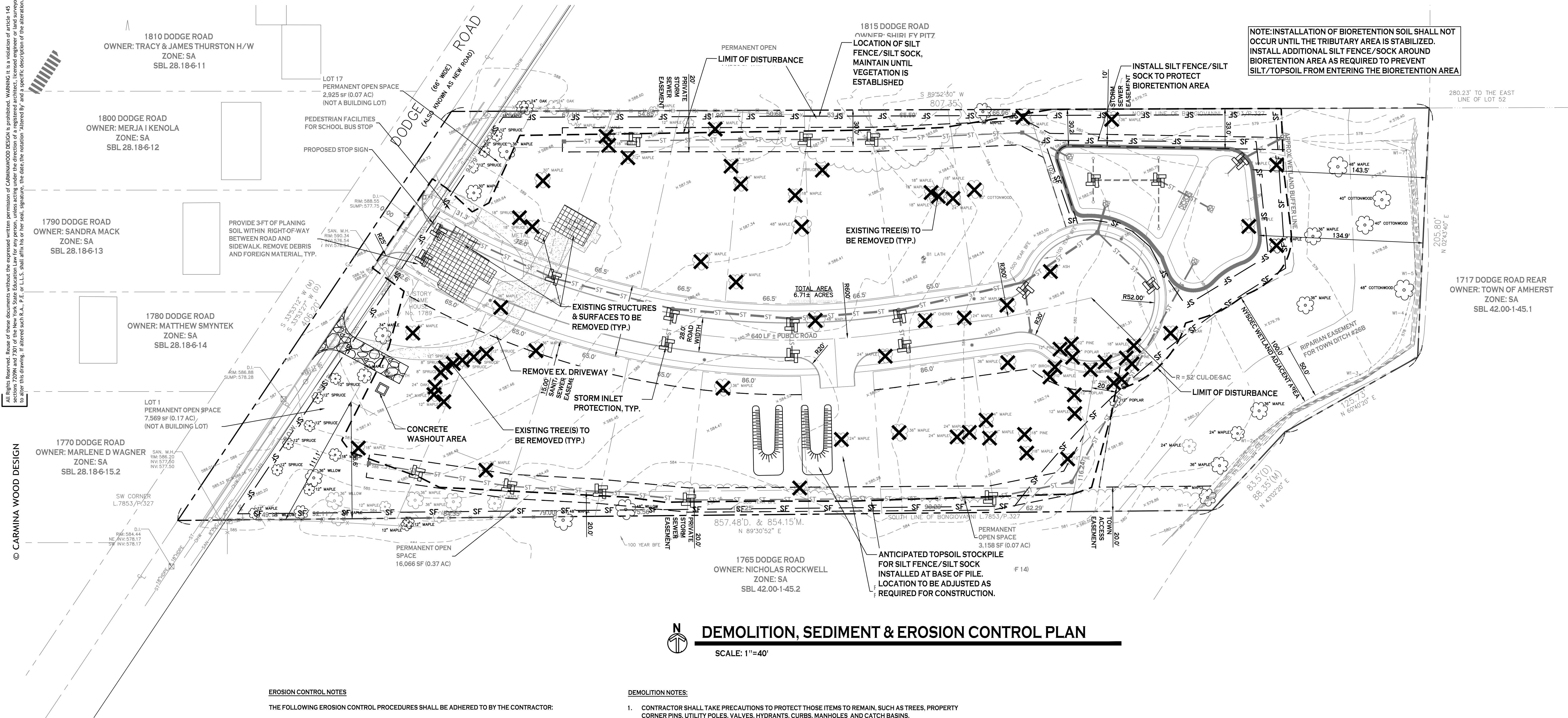
Single Family Subdivision
1789 Dodge Road
Amherst, New York



SOURCE: DIG SAFELY NY

CONTOURS ARE AT 1' INTERVALS

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EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT SOCK BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
3. ALL SILT SOCK BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND SPREAD WATER AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN/CITY.
9. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
10. INSTALL TEMPORARY SILT SOCK AROUND THE BASE OF STOCKPILES.

DEMOLITION NOTES:






1. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
2. TEMPORARY SILT SOCK AND STRAW BALES TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
3. CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES WHERE ACCESSING THE SITE FROM PAVED ROADWAYS. STORM DRAINAGE INLETS THAT INTERFERE WITH CONSTRUCTION ENTRANCE TO BE PROTECTED WITH SILT SACK AND OTHER PROPER TEMPORARY INLET PROTECTION MEASURES.
4. CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH NYS M.U.T.C.D. STANDARDS PRIOR TO STARTING WORK.
5. COVERED DUMPSTERS SHALL BE PROVIDED ONSITE AS REQUIRED FOR CONSTRUCTION WASTE.
6. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY.
7. REMOVE EXISTING HOUSE TO INCLUDE ALL FOUNDATIONS, PORCHES, STEPS, ETC. ALL UTILITY CONNECTIONS TO BE ABANDONED AND/OR REMOVED PER COUNTY, TOWN, AND UTILITY COMPANY REQUIREMENTS.
8. EXISTING CURB AT DRIVEWAY ENTRANCE TO BE REMOVED 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 FOR PLACING NEW CURB.

CONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES:

1. CONSTRUCT TEMPORARY CONSTRUCTION EXIT, INSTALL PERIMETER SILT SOCK AND DRAINAGE INLET PROTECTION.
2. CLEAR AND GRUB SITE.
3. COMMENCE SITE GRADING.
4. INSTALL PROPOSED UTILITIES, PROVIDE EROSION AND SEDIMENT CONTROL DURING UTILITY CONSTRUCTION.
5. CONSTRUCTION OF HOLE, DRIVEWAY, GRADING OF THE REMAINING SITE. PROTECT DRAINAGE SWALES DURING HOLE CONSTRUCTION.
6. REPLACE TOPSOIL WHERE NEEDED AND SEED ALL DISTURBED AREA.
7. AFTER SITE STABILIZATION REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS.

NOTE: SWALE PROTECTION AND EROSION AND SEDIMENT CONTROLS FOR THIS PROJECT ARE ALSO REQUIRED DURING HOME CONSTRUCTION.

DEMOLITION & EROSION CONTROL LEGEND

PROPOSED SILT FENCE	
EXISTING TREE TO BE REMOVED	
PROPOSED STORM INLET PROTECTION	
STABILIZED CONSTRUCTION ENTRANCE	
APPROXIMATE LIMITS OF EXISTING BUILDING FOUNDATION, WALL, SLAB, SUPERSTRUCTURE, ETC. TO BE REMOVED	

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION
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TOWN OF AMHERST APPROVAL BOX:

REVISIONS:	
No.	Descri

REVIEWS:		No.	Description	Date
	2	Rev. Per Town Comments	10/14/2024	
	3	Rev. Per Town Comments	11/11/2024	
	4	Rev. Per Town Comments	3/20/2025	
	5	Rev. Per Town Comments	4/16/2025	
	6	Rev. Permanent Open Space	5/13/2025	
	7	Rev. Per Town Comments	5/23/2025	



DRAWING NAME:

Demolition and Sediment & Erosion Control Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-001

Project No: 20.247

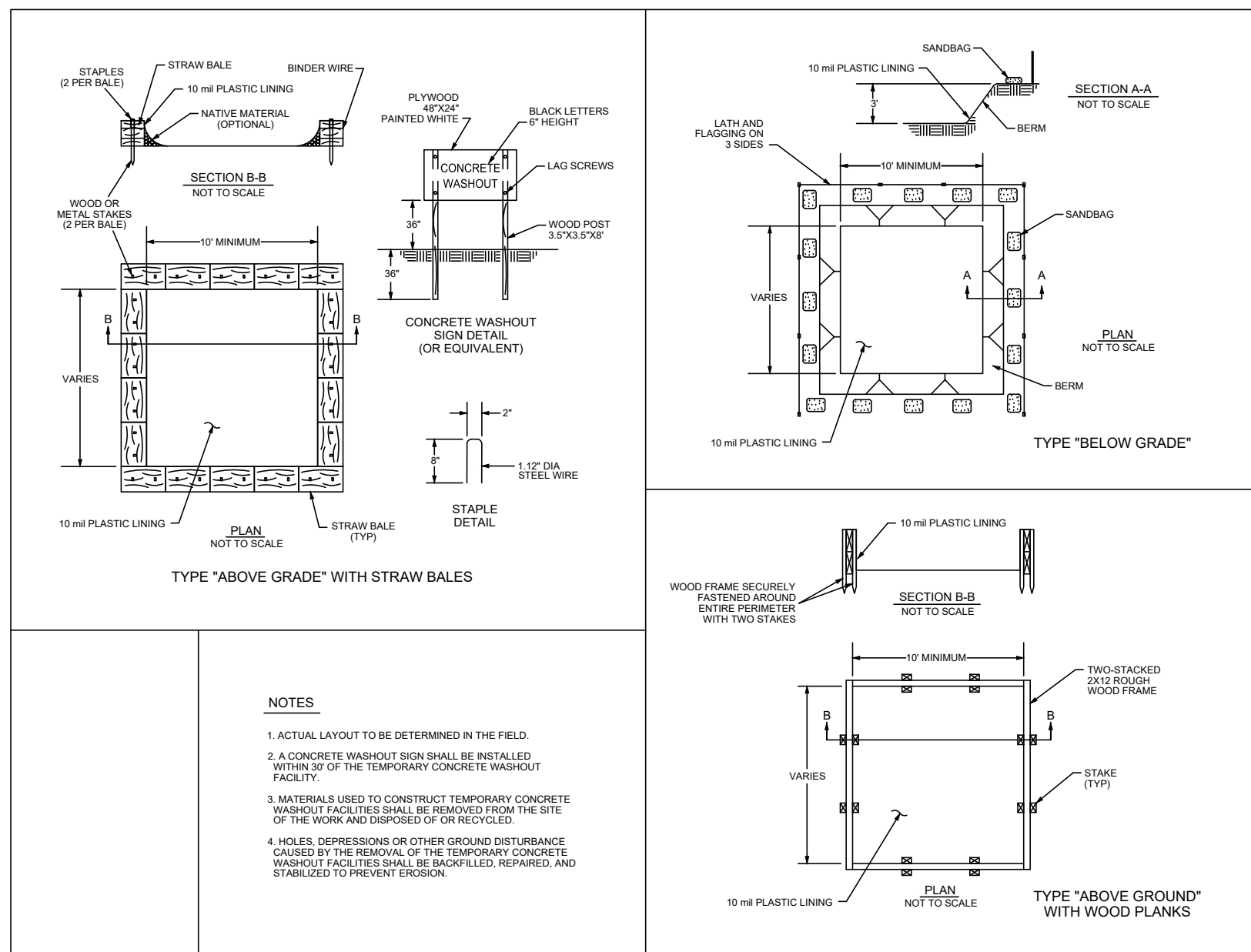
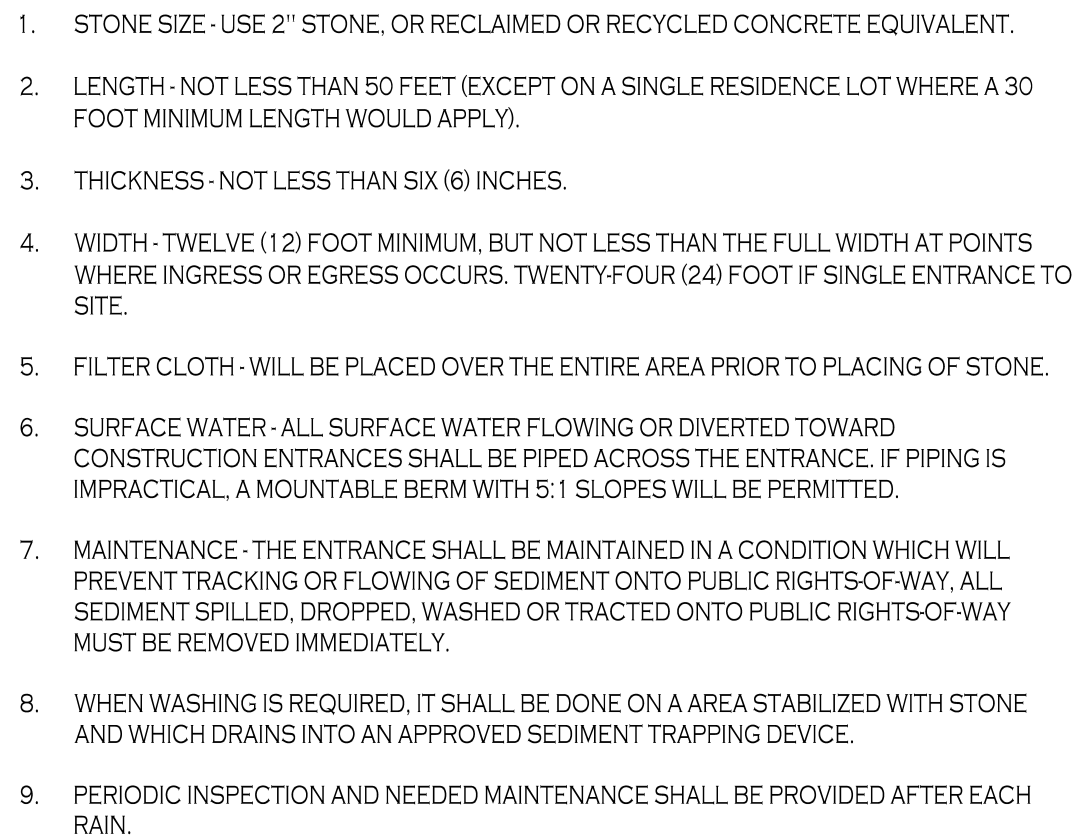
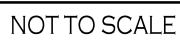
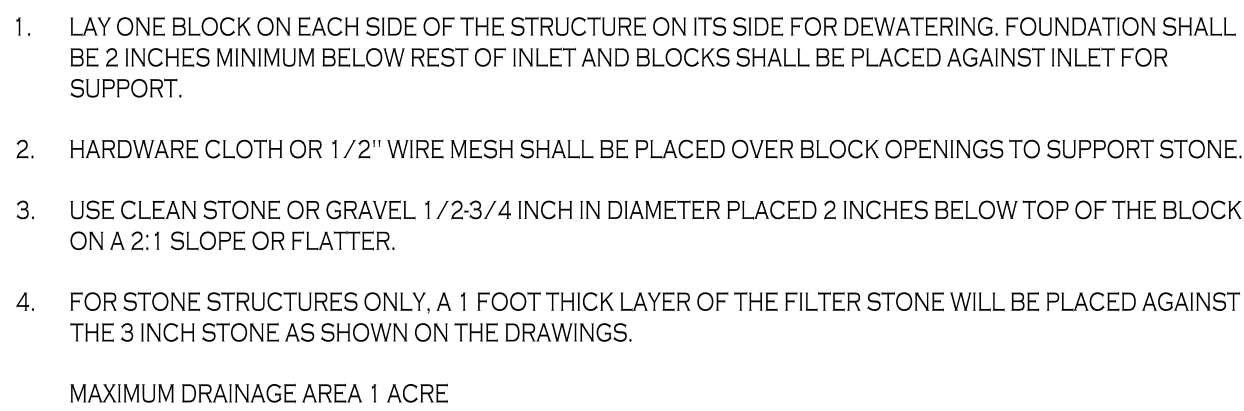
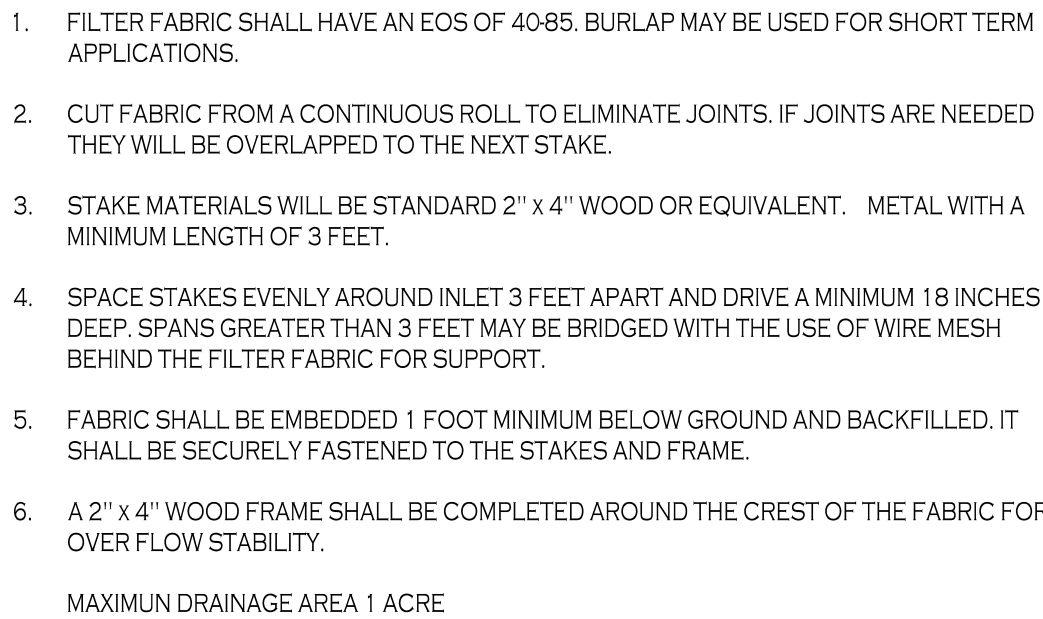
Single Family Subdivision

1789 Dodge Road
Amherst, New York

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CONCRETE WASHOUT

NOT TO SCALE

REVISIONS:			Date
No.	Description		
2	Rev. Per Town Comments		10/24/2024
3	Rev. Per Town Comments		11/11/2024
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7	Rev. Per Town Comments		5/23/2025



DRAWING NAME:

Demolition & Erosion Control Details

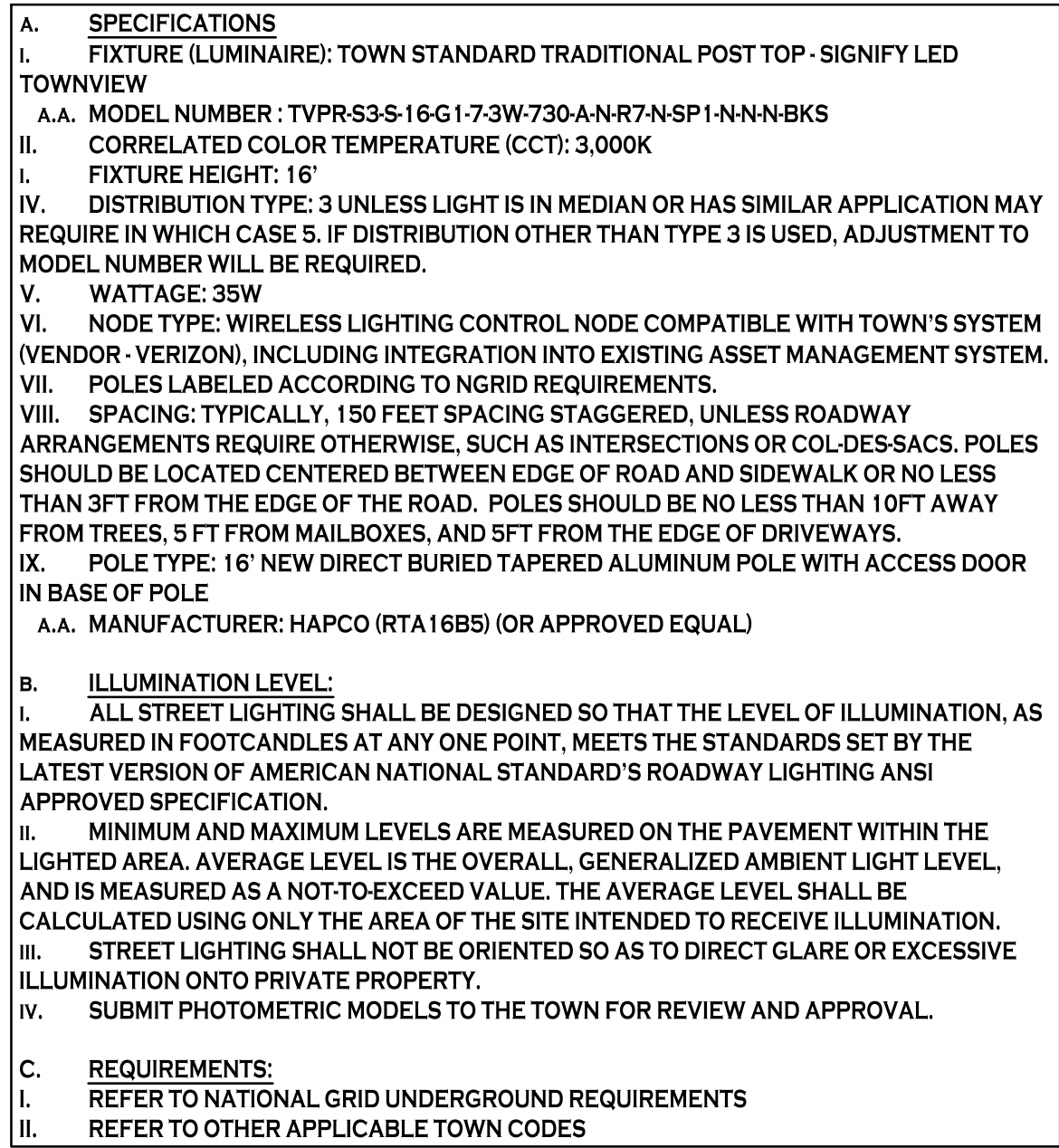
Date: 9/28/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-002

Project No: 20.247

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SCALE: 1"=40

1. THAT FUTURE DEVELOPMENT OF THE SITE SHALL BE LIMITED TO SINGLE FAMILY DETACHED RESIDENTIAL USES WITH A MAXIMUM YIELD OF FIFTEEN (15) HOMES.
2. THAT ANY FUTURE DEVELOPMENT OF A PRINCIPAL OR ACCESSORY STRUCTURE OR USE IN THE 2.7 ACRES OF PERMANENT OPEN SPACE SHALL BE PROHIBITED. THE ONLY PROPOSED DEVELOPMENT OF THE PORTION OF THE PERMANENT OPEN SPACE IS LIMITED TO REQUIRED STORMWATER MANAGEMENT SYSTEM IMPROVEMENTS AND UTILITY INFRASTRUCTURE.
3. THAT A PROTECTIVE COVENANT/CONSERVATION EASEMENT SHALL BE PLACED ON ALL PROPOSED OPEN SPACE AND CONFIRM TOTAL ACREAGE TO BE UNDER THE CONTROL OF A HOMEOWNERS ASSOCIATION.
4. THAT THE FINAL PLAT DESIGN SHALL INCLUDE A RIGHT-OF-WAY ACCESS TO A POTENTIAL FUTURE YOUNGS ROAD EXTENSION.
5. THAT THE LANDSCAPING AND SCREENING TO BE PROVIDED IN THE PERMANENT OPEN SPACE ALONG THE DODGE ROAD FRONTAGE OF THE PROJECT SITE SHALL REQUIRE THE APPROVAL OF THE PLANNING BOARD AT THE PRELIMINARY PLAT APPLICATION STAGE OF THE SUBDIVISION REVIEW PROCESS.
6. ANY FUTURE PRELIMINARY PLAT THAT SHALL BE SUBMITTED TO THE PLANNING BOARD SHALL CONSIDER PROVISIONS FOR FUTURE ACCESS TO THE NORTH AND SOUTH OF THE SUBJECT PROPERTY.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION
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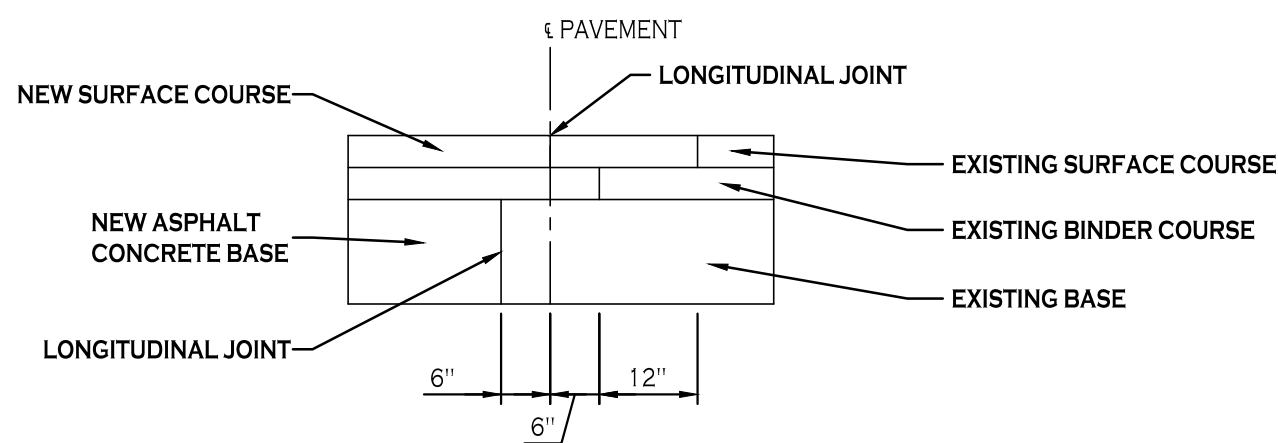
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5	Rev. Per Town Comments	4/16/2025
6	Rev. Permanent Open Space	5/13/2025
7	Rev. Per Town Comments	5/23/2025



Project No: 20.247

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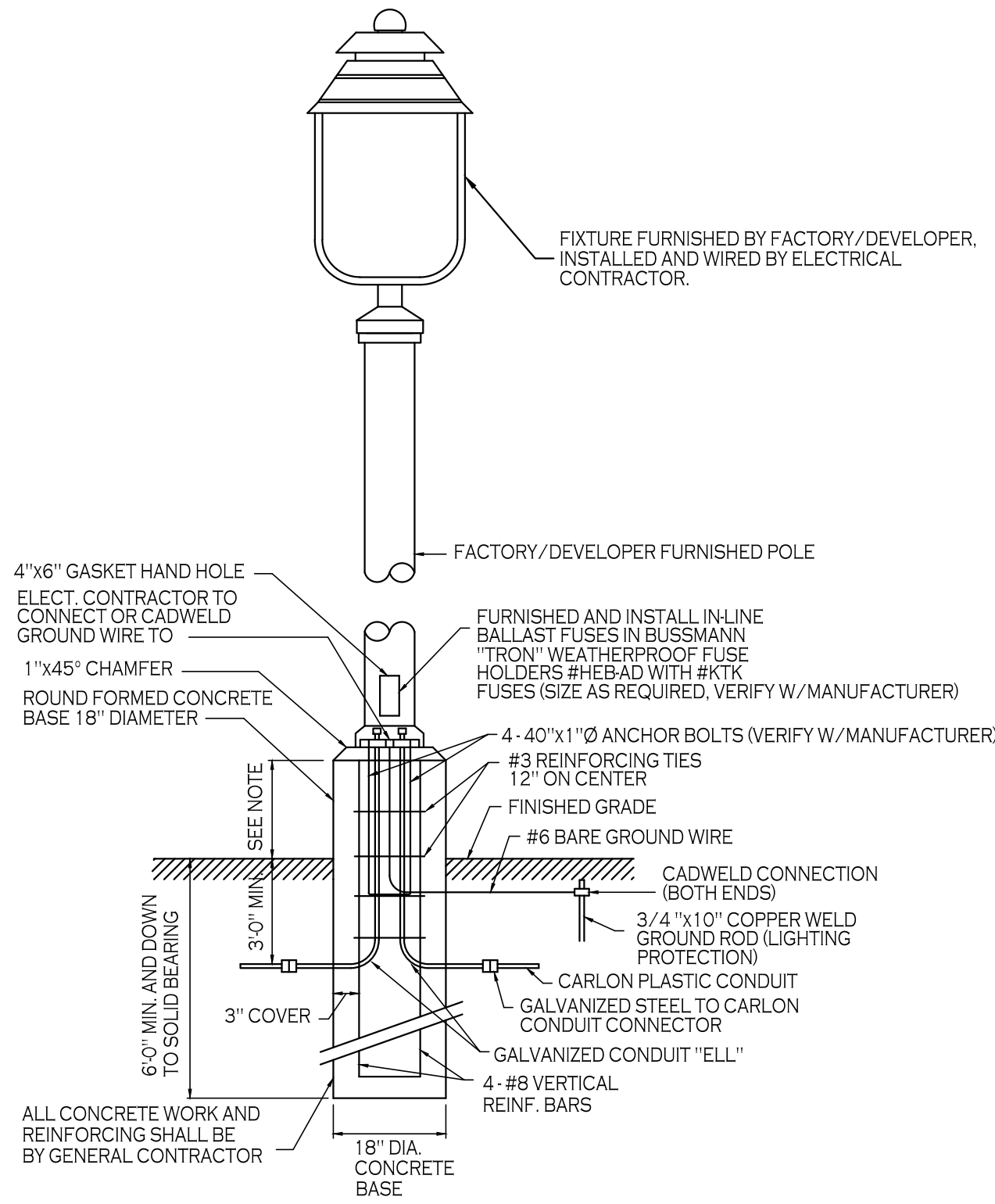
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NOTE:
THE WIDTH OF SPREAD SHOULD BE PLANNED TO PROVIDE FOR THE OFFSETTING OF LONGITUDINAL JOINTS IN THE SEVERAL COURSES

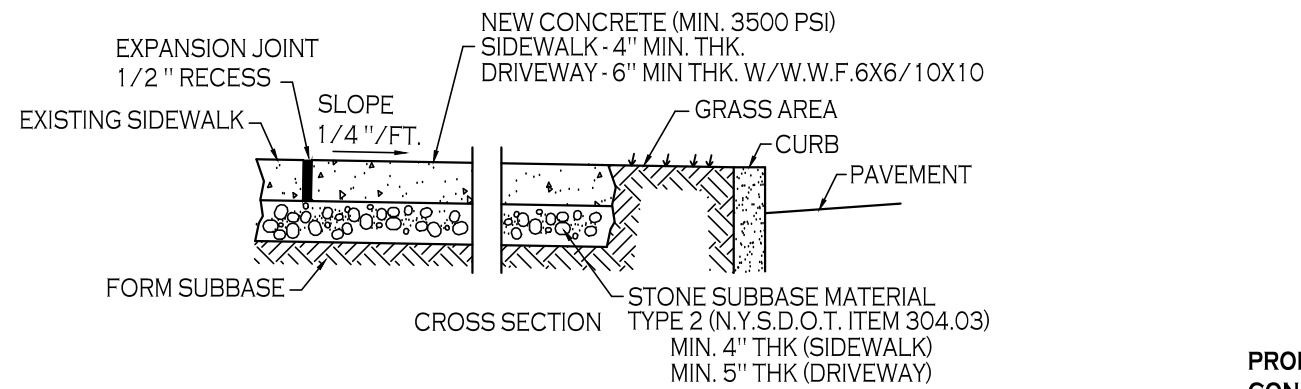
PAVEMENT OVERLAPPING DETAIL

NOT TO SCALE



- NOTES:
- FOR LOCATIONS OF FOUNDATIONS SEE SITE PLAN
 - FOR LIGHT FIXTURE, POLE & BASE ORDERING INFORMATION SEE LIGHTING PLAN
 - VERIFY INFORMATION WITH OWNER PRIOR TO ORDERING.
 - LIGHT POLE BASE EXPOSURE ABOVE GRADE SHALL BE:
IN CURBED ISLANDS: 6" ABOVE TOP OF CURB ELEVATION
IN PAVEMENT: 3" ABOVE GRADE
IN NONCURBED GRASS AREAS: 6" ABOVE GRADE

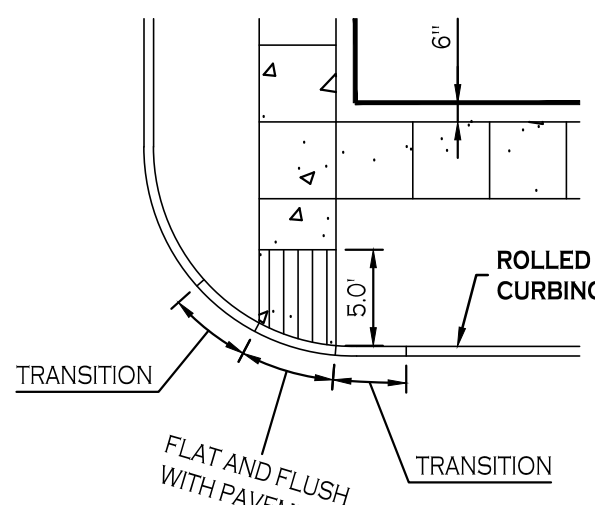
LIGHT POLE FOUNDATION



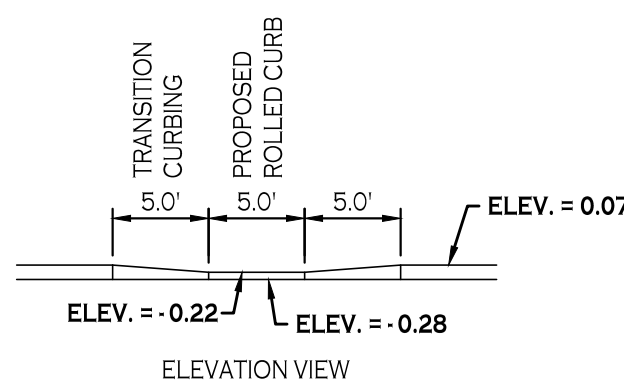
- NOTES:
- CONTROL JOINTS TO BE AT 5'-0" O.C., BOTHWAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSOT 702-0700.
 - CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYSOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSOT STANDARD SPECIFICATION 608-3.
 - 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.
 - FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED EVERY 20' O.C., BOTHWAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSOT 702-0700.
 - SEE CURB DETAIL FOR DOWLING REQUIREMENTS WHERE ABUTTING CURB
 - 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.
 - INSTALL 1/2" PREMOLDED EXPANSION JOINT WITH BACKER ROD & SEALANT WHERE SIDEWALK ABUTS BUILDING OR OTHER STRUCTURE

CONCRETE SIDEWALK

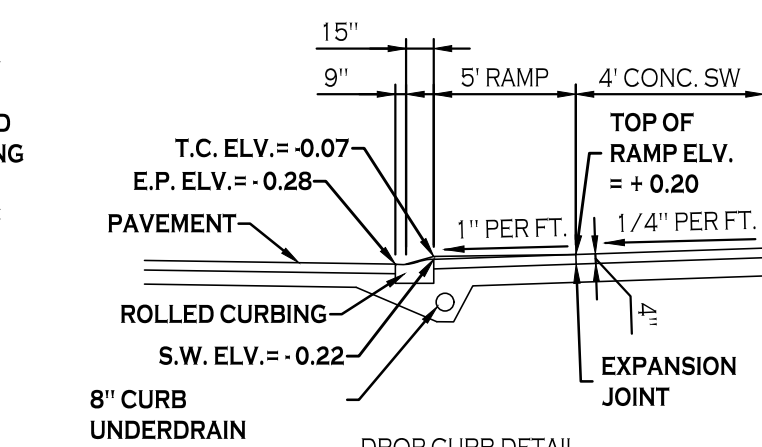
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PLAN VIEW



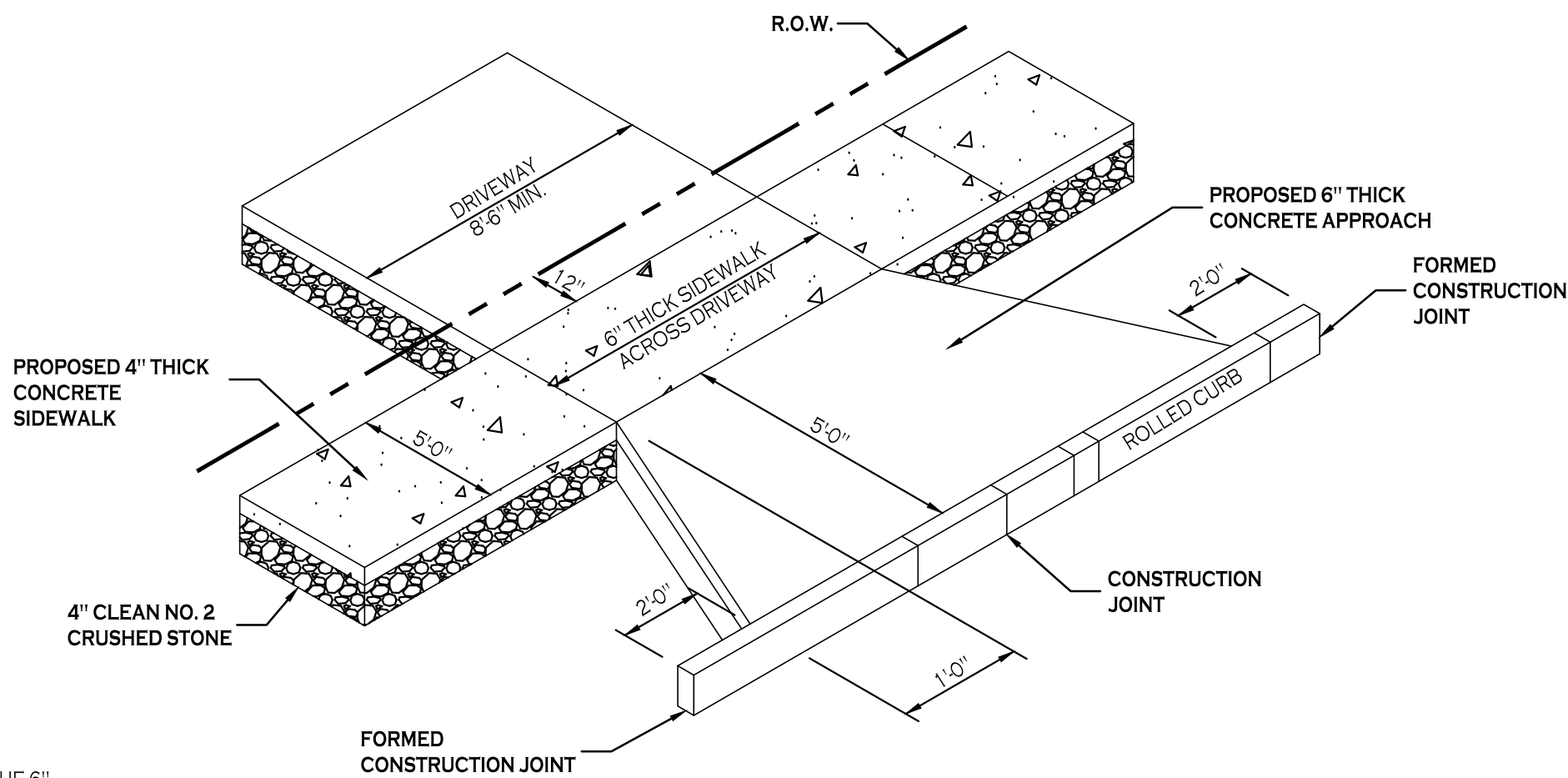
ELEVATION VIEW



DROP CURB DETAIL

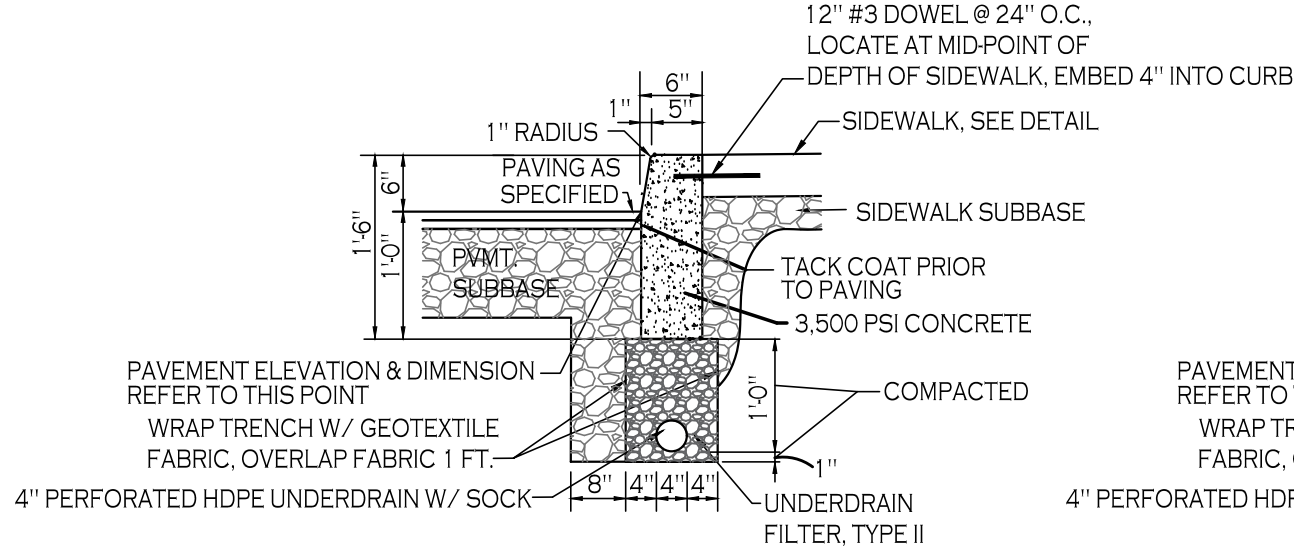
SIDEWALK RAMP DETAILS

NOT TO SCALE



TYPICAL DRIVEWAY APRON & SIDEWALK

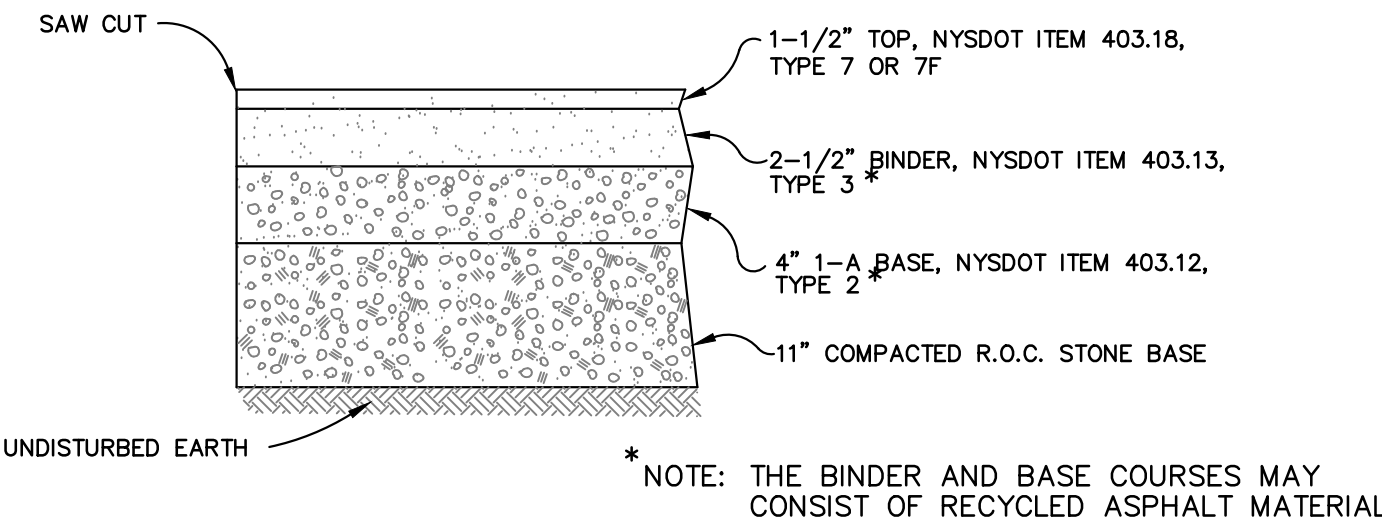
NOT TO SCALE



ABUTTING SIDEWALK

- NOTES:
- CONTROL JOINTS TO BE 2" DEEP AT 15'-0" O.C. - SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSOT 702-0700.
 - WHERE THE CURB DROPS (IS FLUSH WITH ASPHALT) THE DEPTH OF CURB BELOW GRADE SHALL BE INCREASED TO 1'-6" AND OTHER DIMENSIONS ADJUSTED ACCORDINGLY.
 - TIE UNDERDRAINS INTO CLOSEST DRAINAGE SYSTEM OR OUTLET TO DAYLIGHT UNLESS OTHERWISE INDICATED. SLOPE OF UNDERDRAIN TO FOLLOW BOTTOM OF CURB SLOPE.

TYPE "A" CONCRETE CURB



TOWN OF AMHERST TYPICAL PAVEMENT SECTION

* NOTE: THE BINDER AND BASE COURSES MAY CONSIST OF RECYCLED ASPHALT MATERIAL

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

40' 0 40 80FT.

TOWN OF AMHERST APPROVAL BOX:

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Single Family Subdivision
1789 Dodge Road
Amherst, New York

REVISIONS:	No.	Description	Date	
			Rev.	Per Town Comments
	2		10/24/2024	
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	4		3/20/2025	
	5		4/16/2025	
	6		5/13/2025	
	7		5/23/2025	



DRAWING NAME:
Site Layout Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-100

Project No: 20.247

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SCALE: 1"=40'

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6	Rev. Permanent Open Space	5/13/2025
7	Rev. Per Town Comments	5/23/2025



Grading Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

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Project No: 20.247

Project No: 20.247

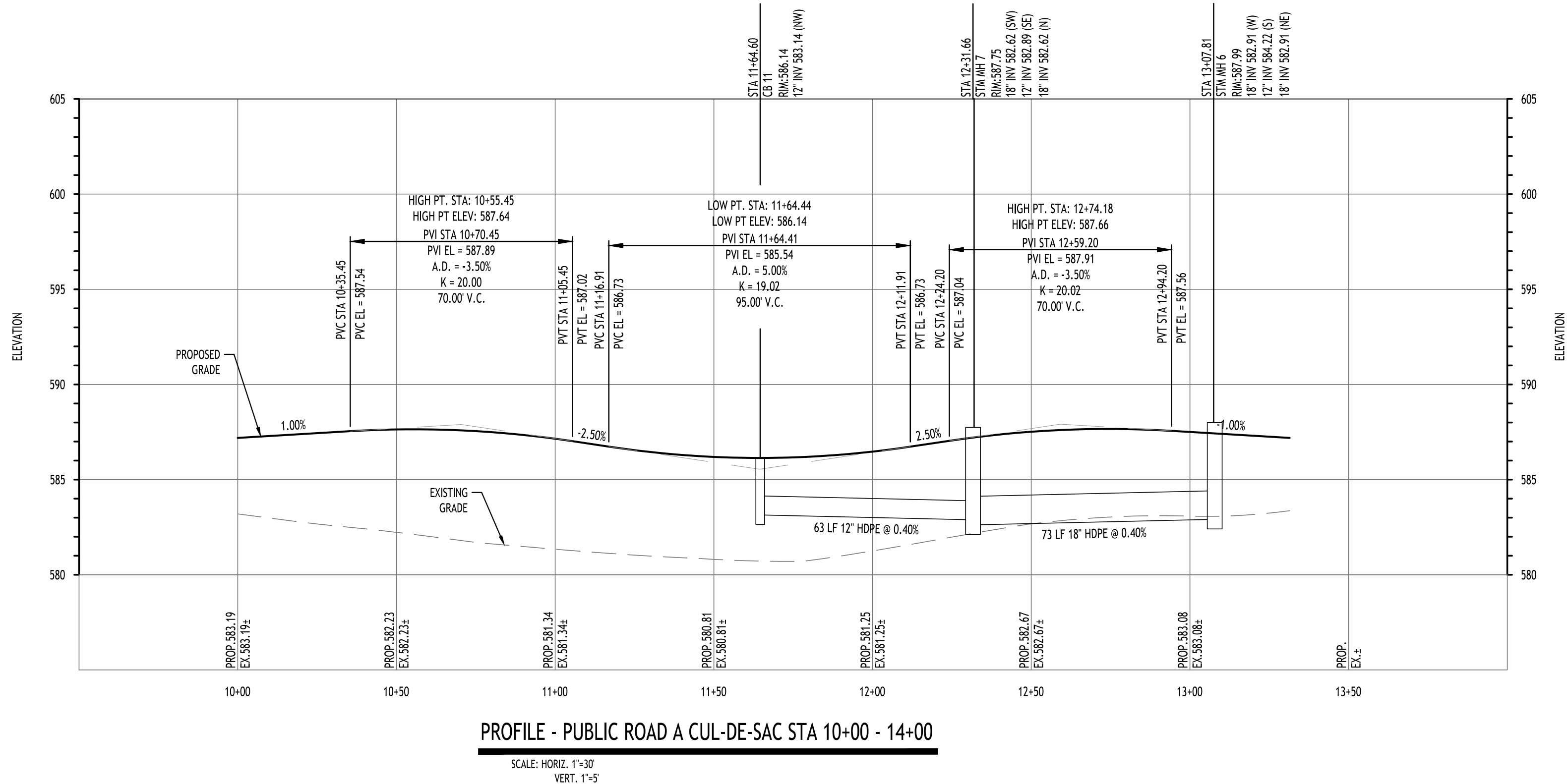
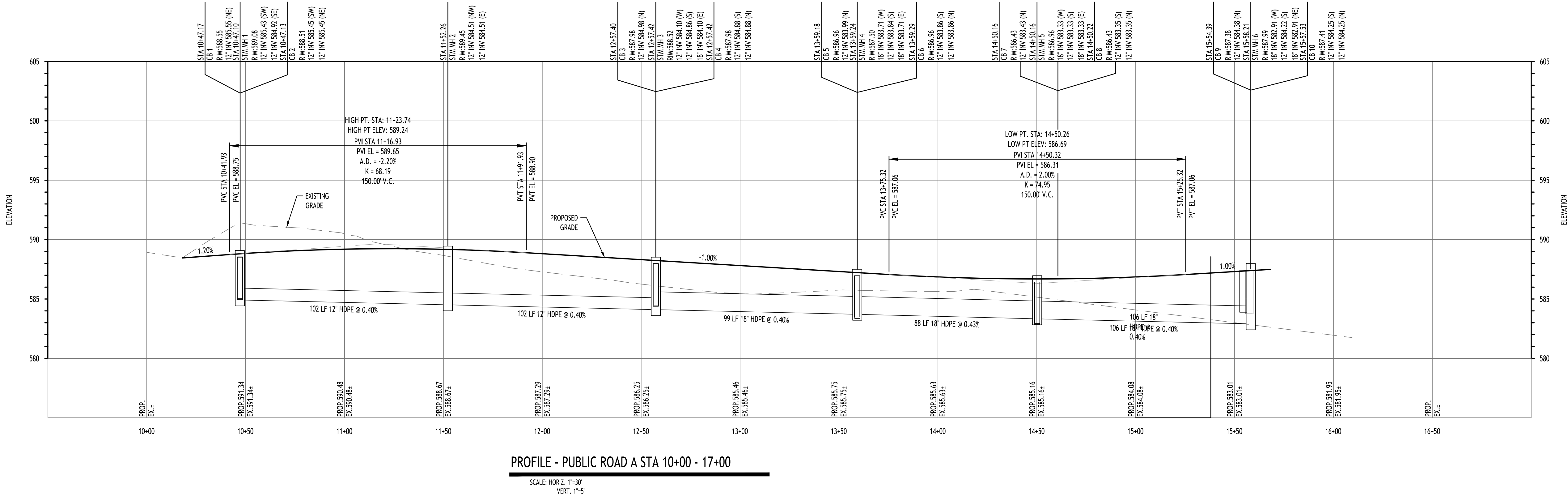
1789 Dodge Road
Amherst, New York

1789 Dodge Road

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HORIZ. 30' 0' 30' 60'
VERT. 5' 0' 5' 10'



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DRAWING NAME:
Road Profile

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-201

Project No: 20.247

Single Family Subdivision
1789 Dodge Road
Amherst, New York

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1770 DODGE ROAD
OWNER: MARLENE D WAGNER
ZONE: SA
SBL 28.18-6-15.2

1780 DODGE ROAD
OWNER: MATTHEW SMYNTAK
ZONE: SA
SBL 28.18-6-14

PROVIDE 3 FT OF PLANING
SOIL WITHIN RIGHT-OF-WAY
BETWEEN ROAD AND
SIDEWALK. REMOVE DEBRIS
AND FOREIGN MATERIAL, TYP.

1800 DODGE ROAD
OWNER: MERJA I KENOLA
ZONE: SA
SBL 28.18-6-12

1810 DODGE ROAD
OWNER: TRACY & JAMES THURSTON H/W
ZONE: SA
SBL 28.18-6-11

1820 DODGE ROAD
OWNER: JOHN R HANSIK
ZONE: SA
SBL 28.18-6-10

1765 DODGE ROAD
OWNER: NICHOLAS ROCKWELL
ZONE: SA
SBL 42.00-1-45.2

1815 DODGE ROAD
OWNER: SHIRLEY PITZ
ZONE: SA
SBL 42.00-1-46

1717 DODGE ROAD REAR
OWNER: TOWN OF AMHERST
ZONE: SA
SBL 42.00-1-45.1



STORM WATER MANAGEMENT PLAN

SCALE: 1"=40'

PROPOSED STORM/UTILITY LEGEND

PROPOSED STORM SEWER — ST —

PROPOSED SANITARY SEWER — 6" SA —

PROPOSED WATERLINE — 1" W —

PROPOSED CATCH BASIN ■ CB

PROPOSED MANHOLE ● MH

PROPOSED GATE VALVE ⊕ GV

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.

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

40' 0 40 80FT.

TOWN OF AMHERST APPROVAL BOX:



DRAWING NAME:
Storm Water
Management Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-300

Project No: 20.247

Single Family Subdivision

1789 Dodge Road
Amherst, New York

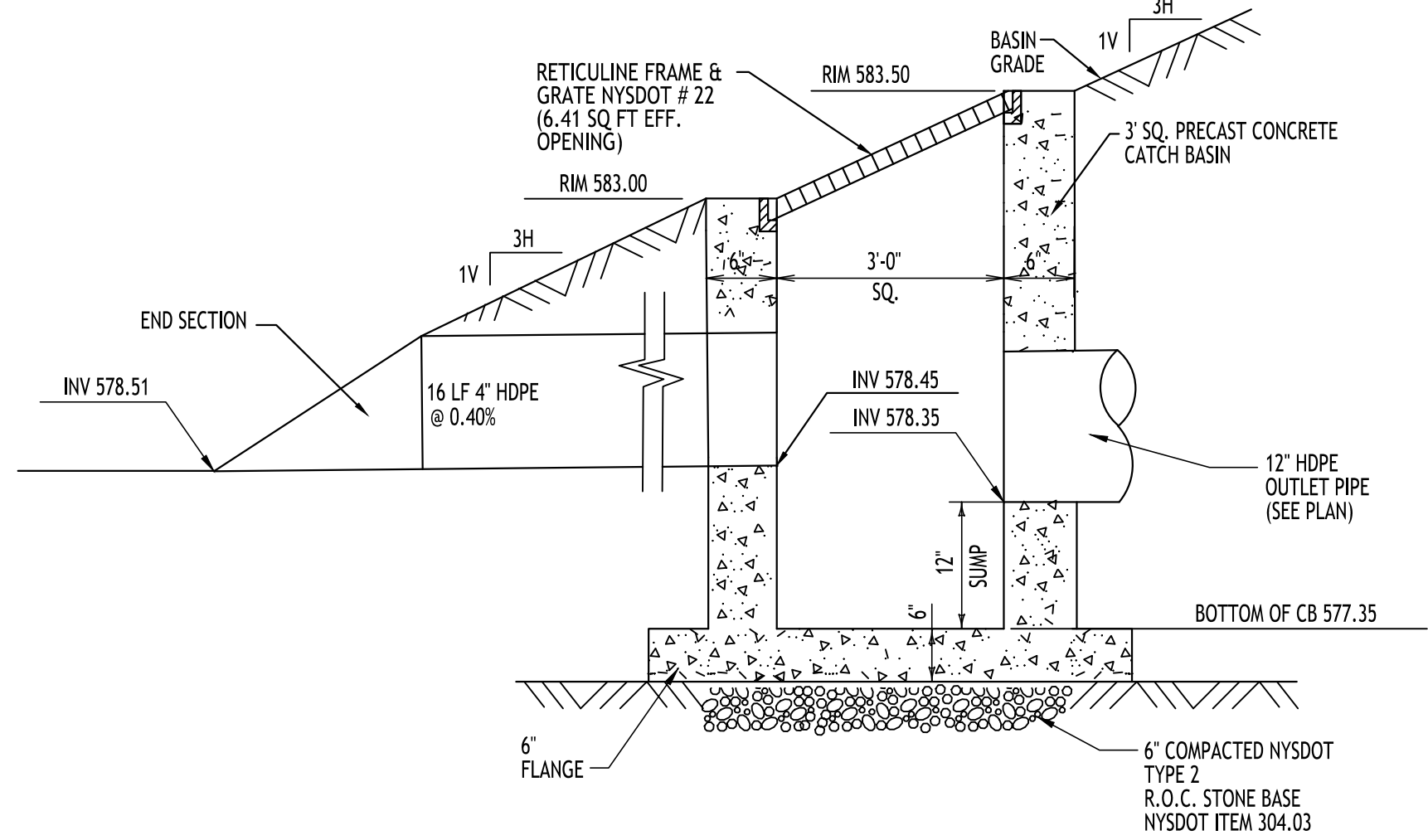
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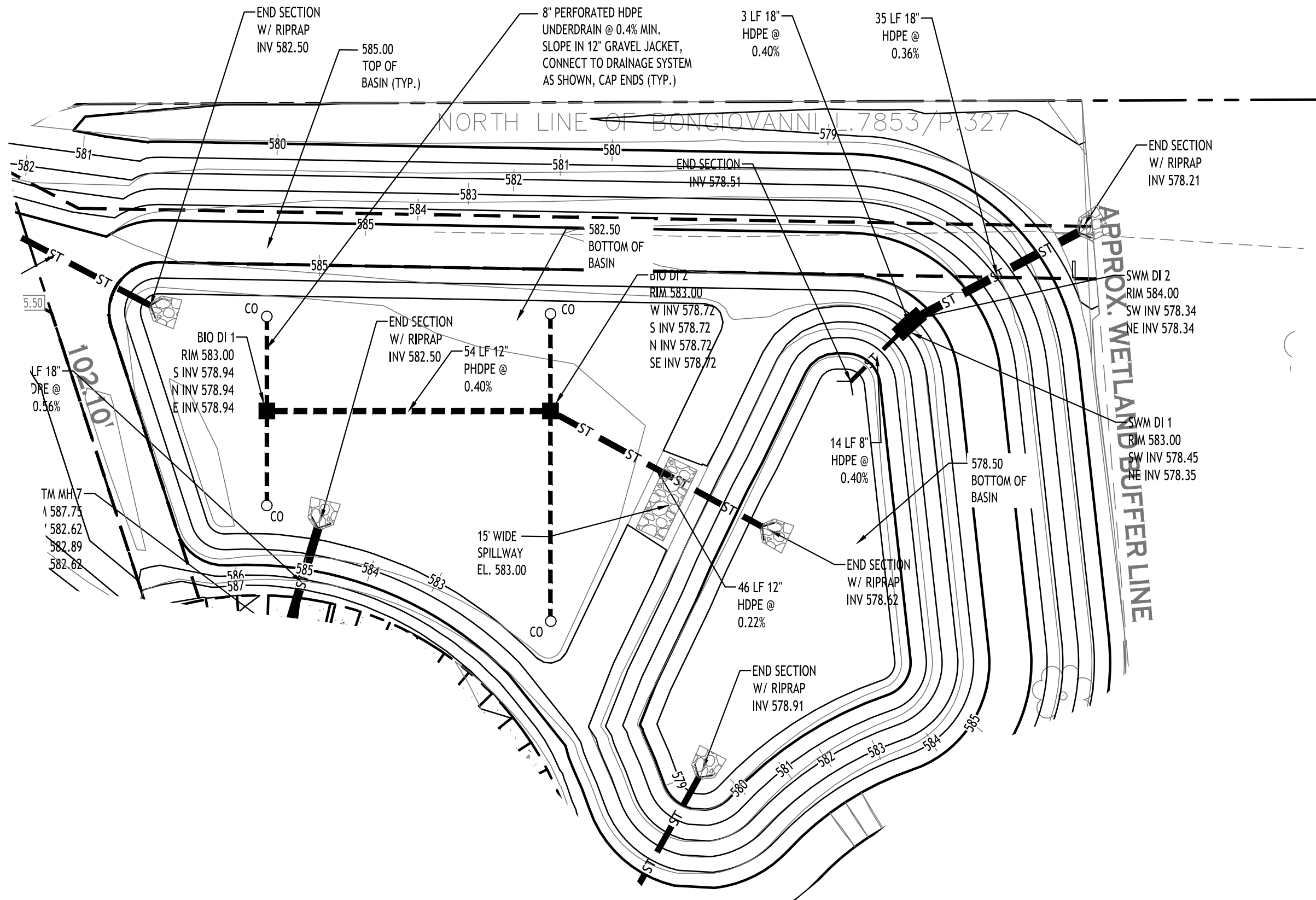
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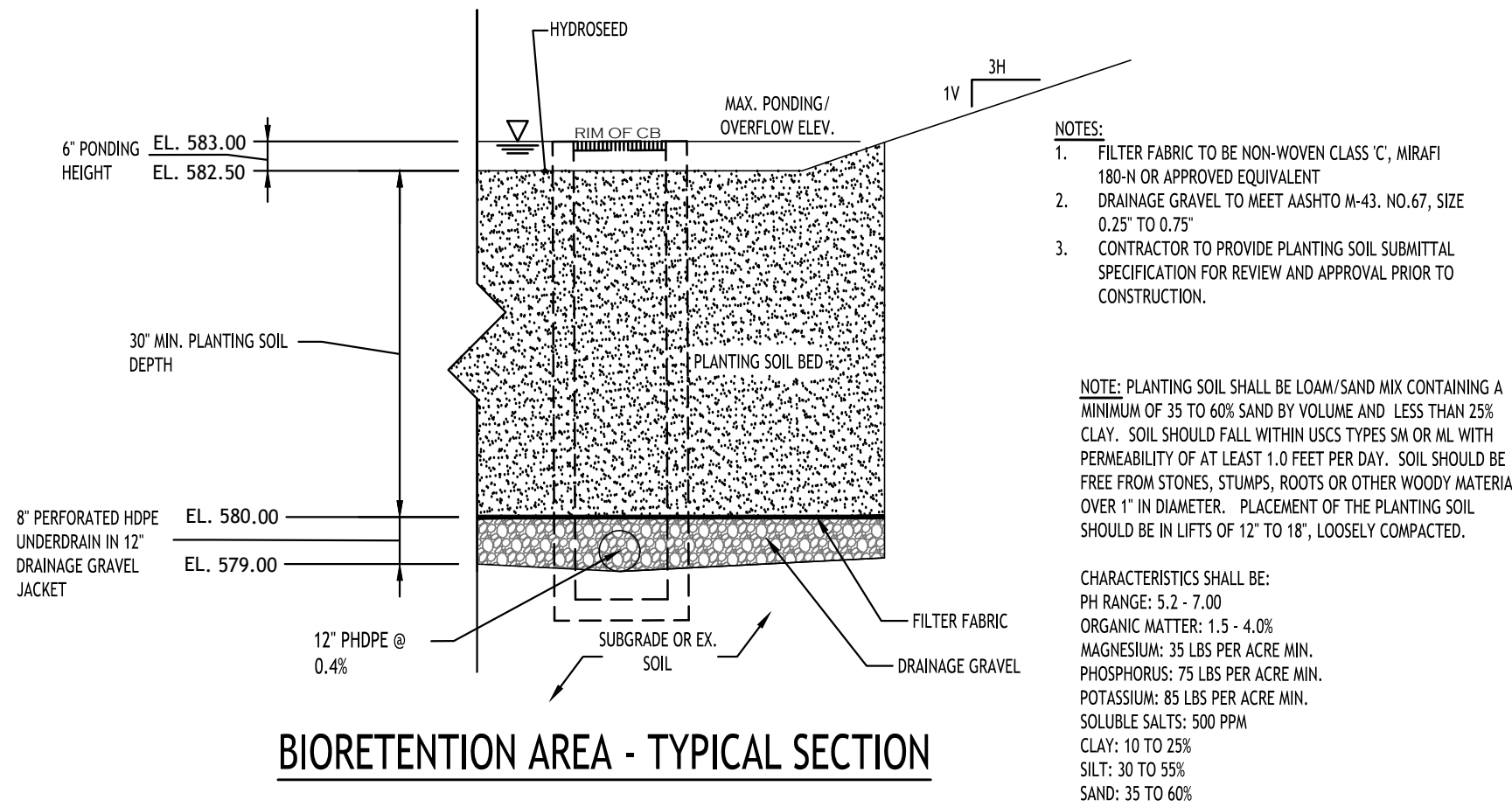
© CARMINA WOOD DESIGN



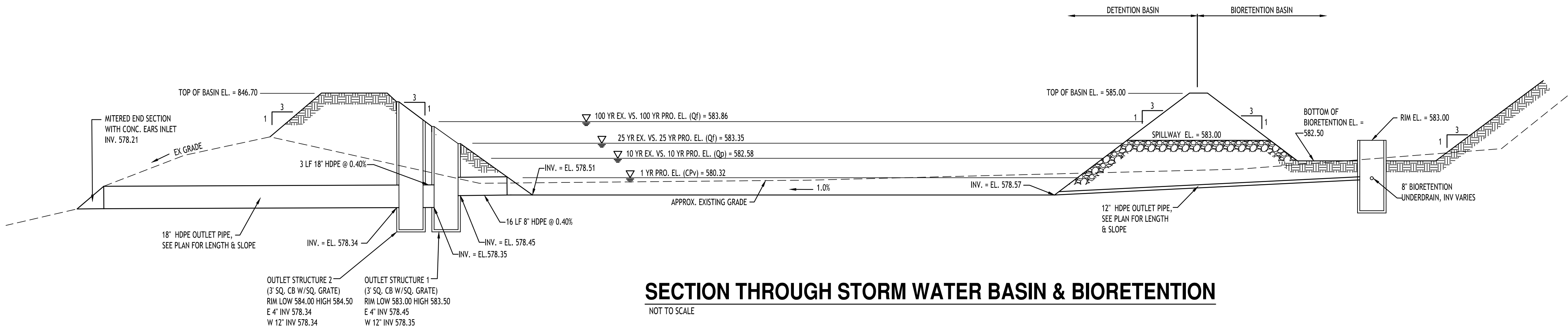
RETENTION BASIN OUTLET STRUCTURE - SWM DI 1
N.T.S.



Detention Basin Plan
SCALE: 1"=20'



BIO-RETENTION AREA SEEDING SPEC (Northeast Wetland Grass Seed Mix):		
Seed Mixture	Variety	Percent by No. of Seeds
Creeping Bentgrass	Agrostis stolonifera	63.0
Rough Bluegrass	Poa trivialis	17.0
Meadow Fescue	Allopecurus arundinaceus	11.0
Annual Ryegrass	Lolium multiflorum	4.5
Deertongue	Panicum clandestinum	4.5



SECTION THROUGH STORM WATER BASIN & BIORETENTION
NOT TO SCALE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION
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20' 0 20 40Ft.

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No.	Description	
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3	Rev. Per Town Comments	11/11/2024
4	Rev. Per Town Comments	3/20/2025
5	Rev. Per Town Comments	4/16/2025
6	Rev. Permanent Open Space	5/13/2025
7	Rev. Per Town Comments	5/23/2025



TOWN OF AMHERST APPROVAL BOX:

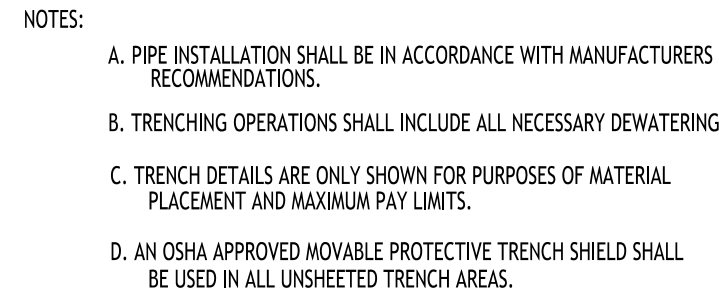
DRAWING NAME:
Detention Basin
Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

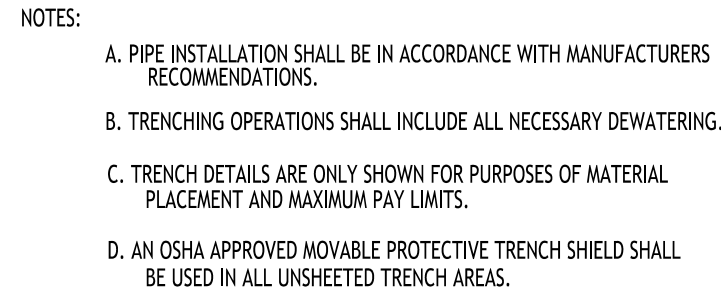
DRAWING NO.

C-301

Project No: 20.247



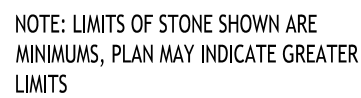
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

REVISIONS:			Date
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3	Rev. Per Town Comments		11/11/2024
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5	Rev. Per Town Comments		4/16/2025
6	Rev. Permanent Open Space		5/13/2025
7	Rev. Per Town Comments		5/23/2025



DRAWING NAME:

Storm Drainage Details

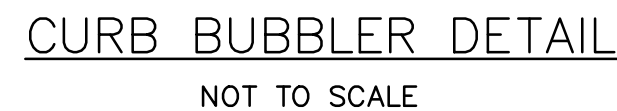
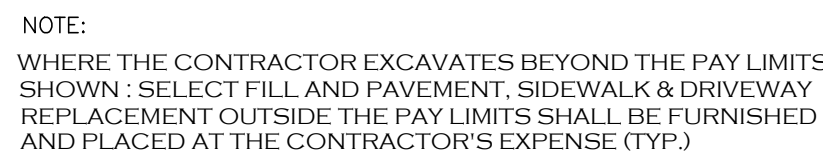
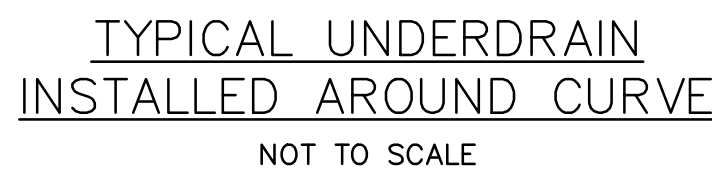
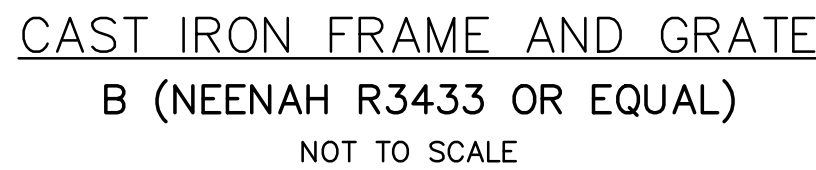
Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-302

Project No: 20.247

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Single Family Subdivision
1789 Dodge Road
Amherst, New York

REVIEWS:		Date
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3	Rev. Per Town Comments	11/11/2024
4	Rev. Per Town Comments	3/20/2025
5	Rev. Per Town Comments	4/16/2025
6	Rev. Permanent Open Space	5/13/2025
7	Rev. Per Town Comments	5/23/2025



DRAWING NAME:
Storm Drainage
Details

Date: 01/29/21
Drawn By: C. Wood
Scale: As Noted

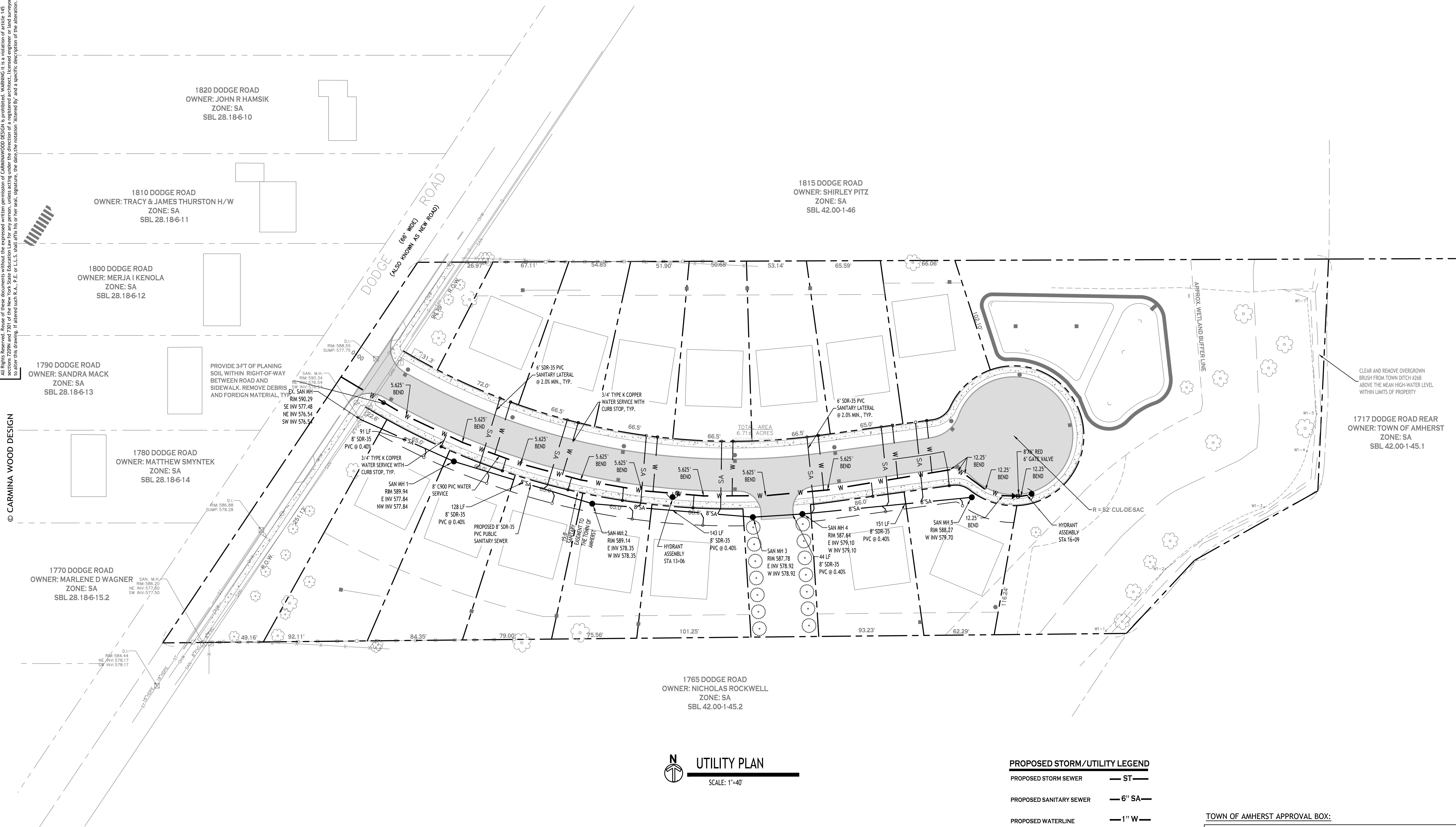
DRAWING NO.

C-303

Project No: 20.247

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PROPOSED STORM/UTILITY LEGEND

- PROPOSED STORM SEWER — ST —
- PROPOSED SANITARY SEWER — 6" SA —
- PROPOSED WATERLINE — 1" W —
- PROPOSED CATCH BASIN ■ CB
- PROPOSED MANHOLE ● MH
- PROPOSED GATE VALVE ⊕ GV

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.

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3	Rev. Per Town Comments	3	11/11/2024	
4	Rev. Per Town Comments	4	3/20/2025	
5	Rev. Per Town Comments	5	4/16/2025	
6	Rev. Permanent Open Space	6	5/13/2025	
7	Rev. Per Town Comments	7	5/23/2025	



DRAWING NAME:

Utility Plan

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-400

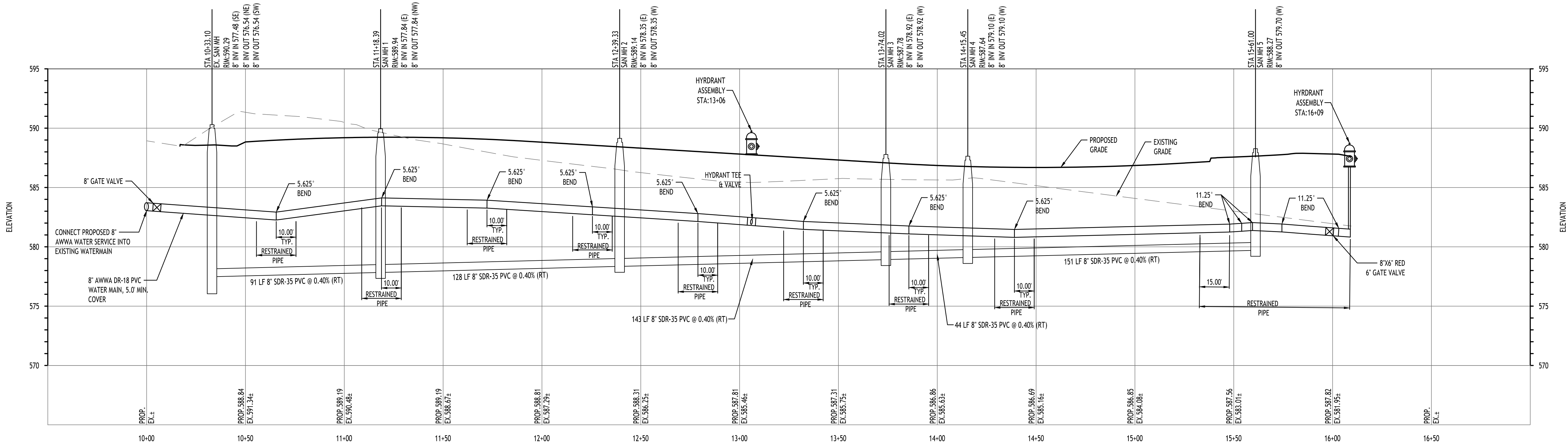
Project No: 20.247

Single Family Subdivision

1789 Dodge Road
Amherst, New York

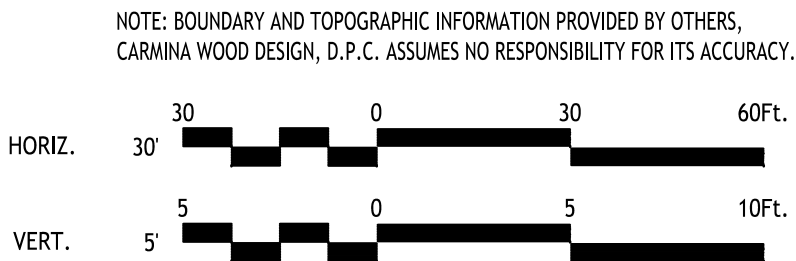
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PROFILE - ROAD A

SCALE: HORIZ. 1"=30'
VERT. 1"=5'



TOWN OF AMHERST APPROVAL BOX:



DRAWING NAME:
Utility Road
Profile

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-401

Project No: 20.247

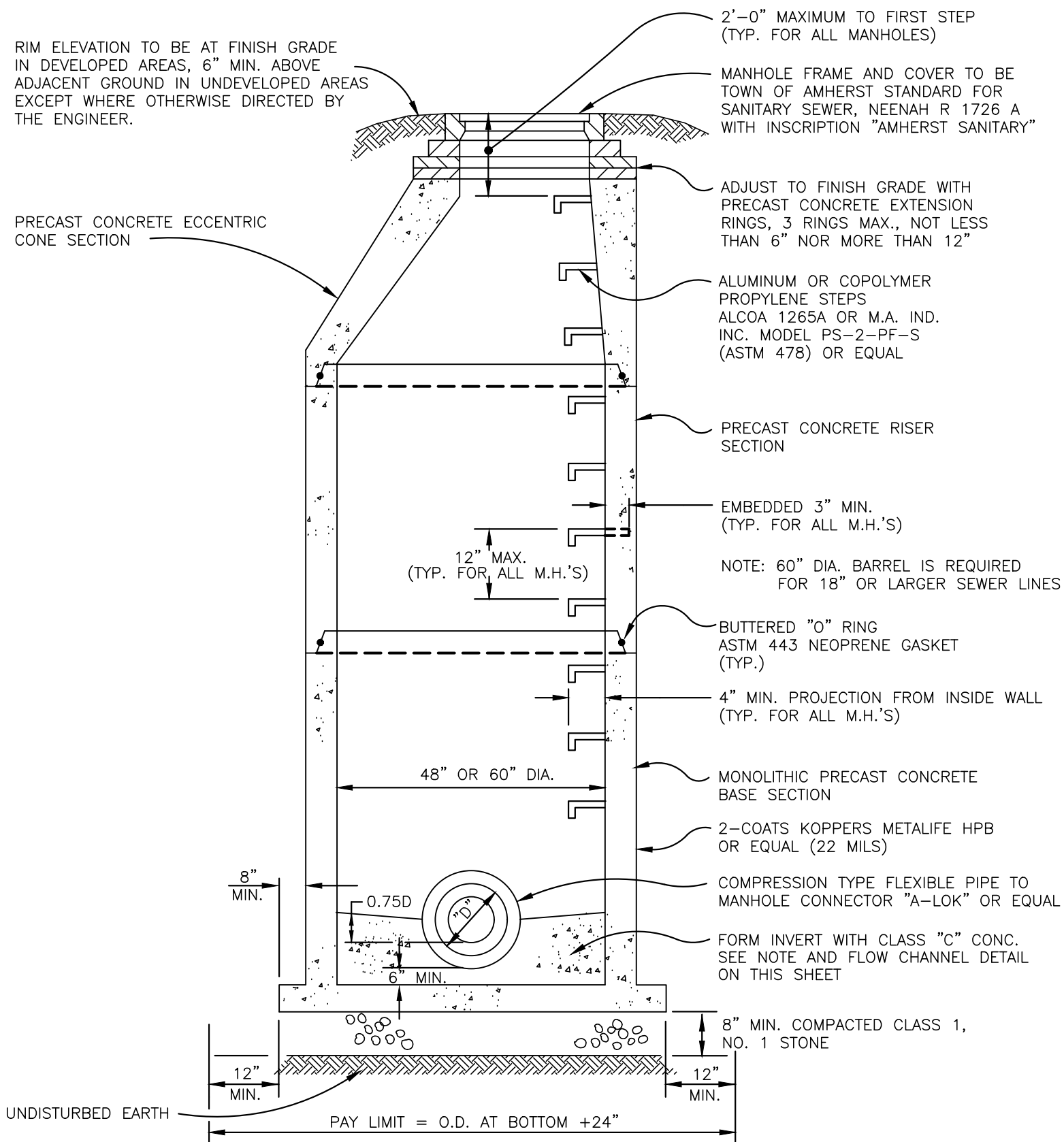
REVISIONS:		No.	Description	Date
2	Rev.	Per Town Comments	10/24/2024	
	3	Rev.	Per Town Comments	11/11/2024
4	Rev.	Per Town Comments	3/20/2025	
	5	Rev.	Per Town Comments	4/16/2025
6	Rev.	Permanent Open Space	5/13/2025	
	7	Rev.	Per Town Comments	5/23/2025

Single Family Subdivision
1789 Dodge Road
Amherst, New York

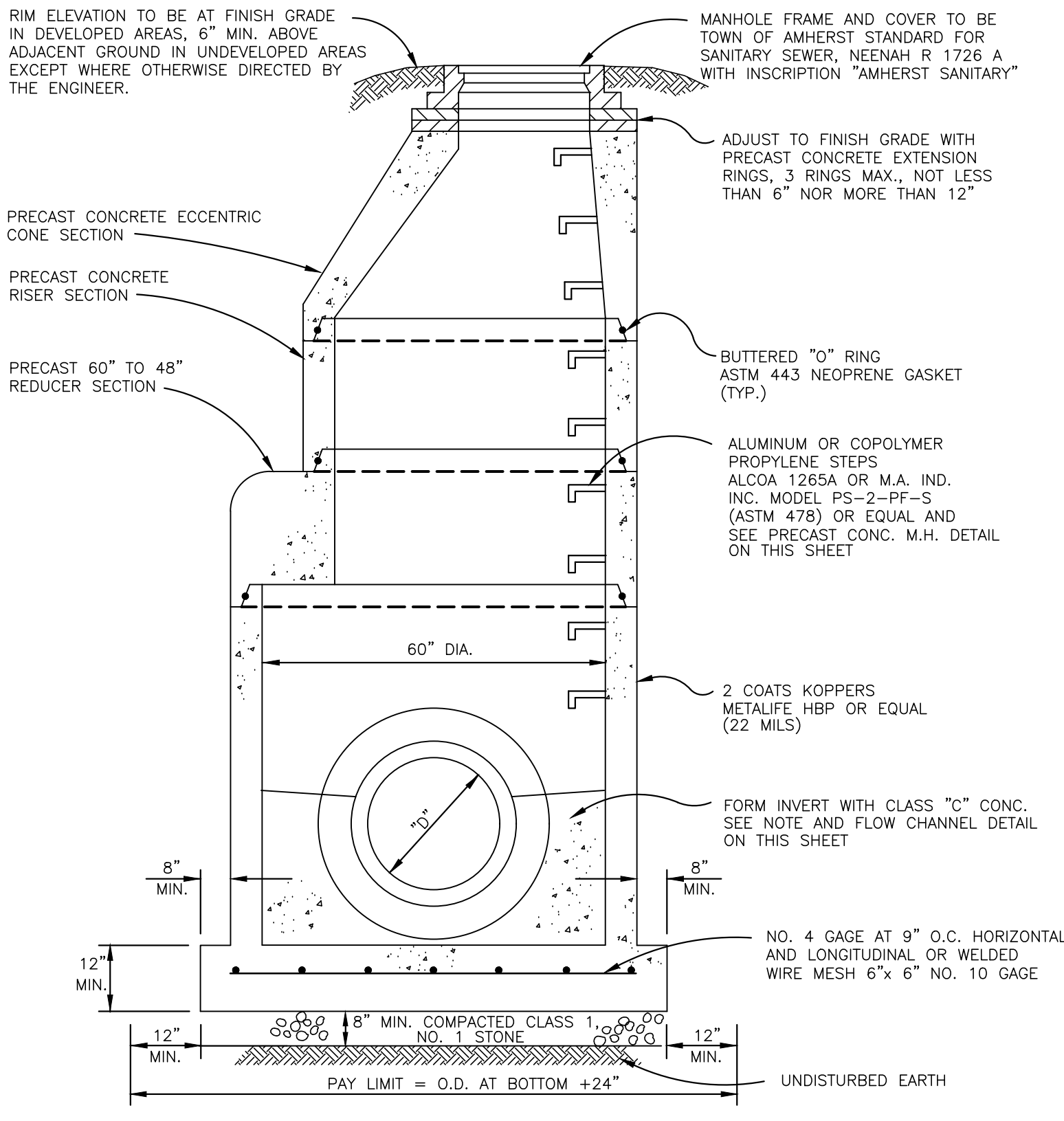
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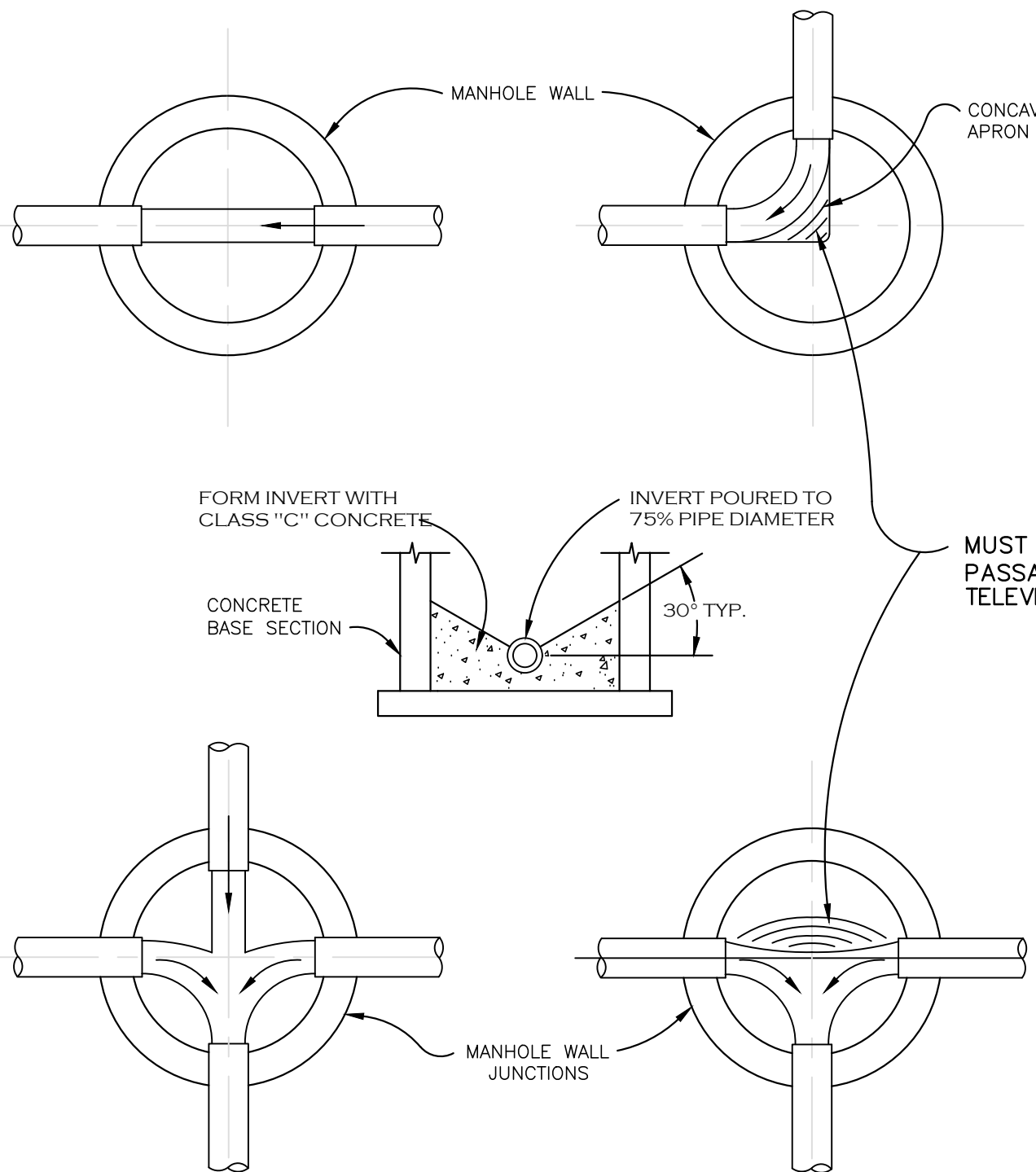
PRECAST CONCRETE MANHOLE
NOT TO SCALE



PRECAST CONCRETE MANHOLE
OVER EXISTING SEWER (18"-30" DIA.)
NOT TO SCALE

STRAIGHT THROUGH

RIGHT ANGLE

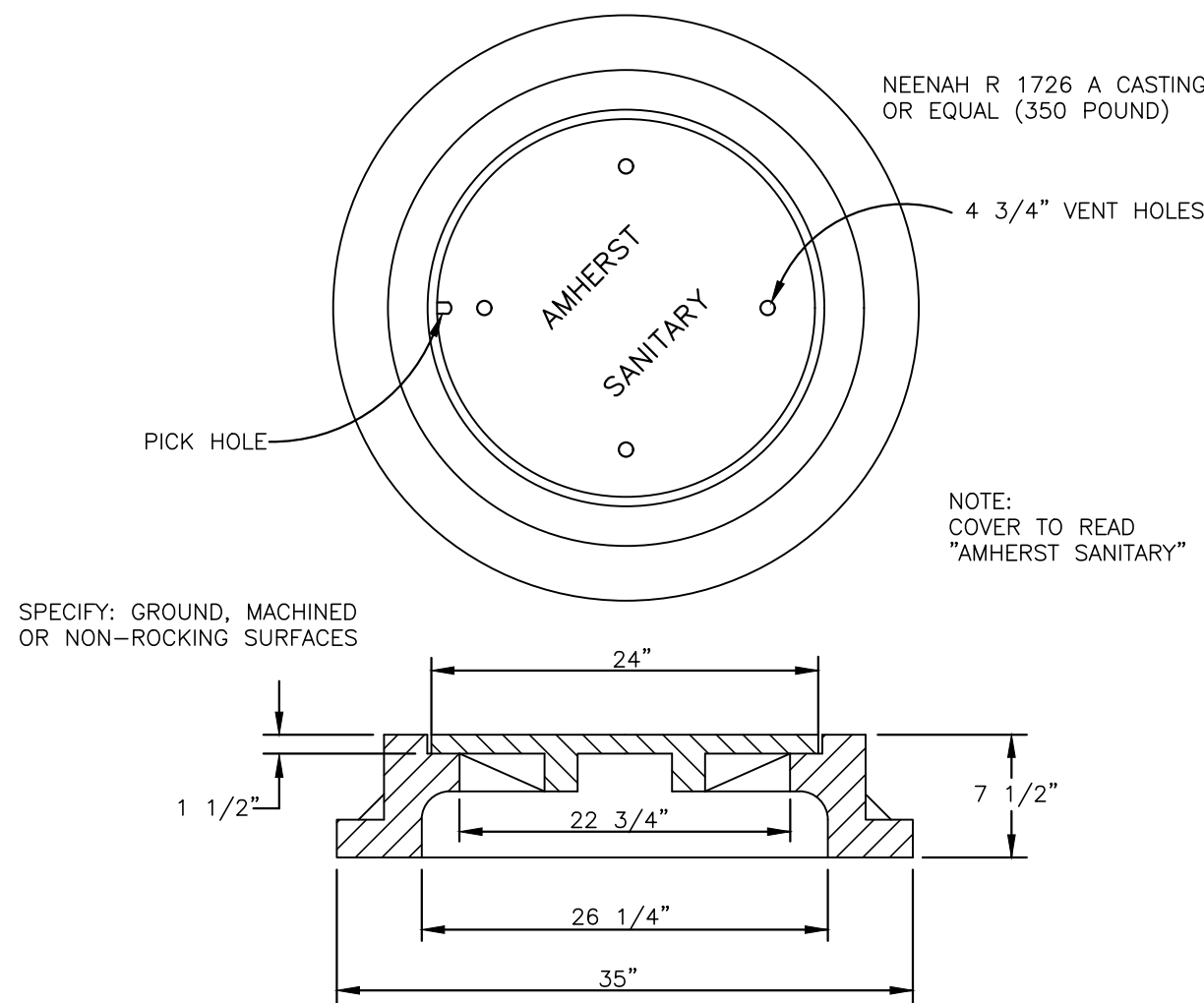


4-WAY JUNCTION

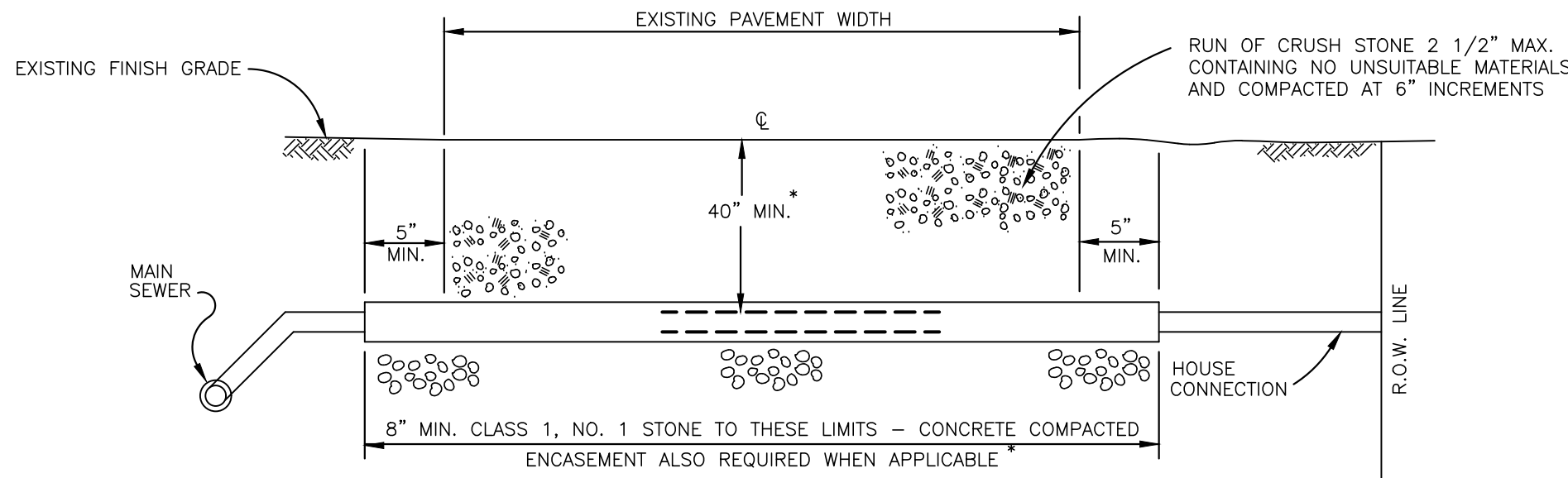
3-WAY JUNCTION

NOTE:
FLOW CHANNELS MUST ALLOW PLACEMENT, REMOVAL AND PASSAGE
OF T.V. CAMERAS. THE CAMERA DIMENSIONS ARE APPROXIMATELY
26" LONG x 6 1/2" SQUARE. A BLOCK OF WOOD OF THESE
DIMENSIONS MAY BE USED TO SIMULATE THE SIZE OF THE CAMERA.
THIS WILL SIMPLIFY THE FORMATION OF FLOW CHANNELS AND
INVERTS.
DEPTH OF ALL CHANNELS TO BE 75% OF PIPE DIAMETER.
FINISH ALL CHANNELS AT PROPER GRADE AS TO ALLOW
SMOOTH & UN-OBSTRUCTED FLOW ALL INVERTS TO BE FLUSH
WITH THE INSIDES.

FLOW CHANNEL DETAIL
SANITARY SEWERS
NOT TO SCALE

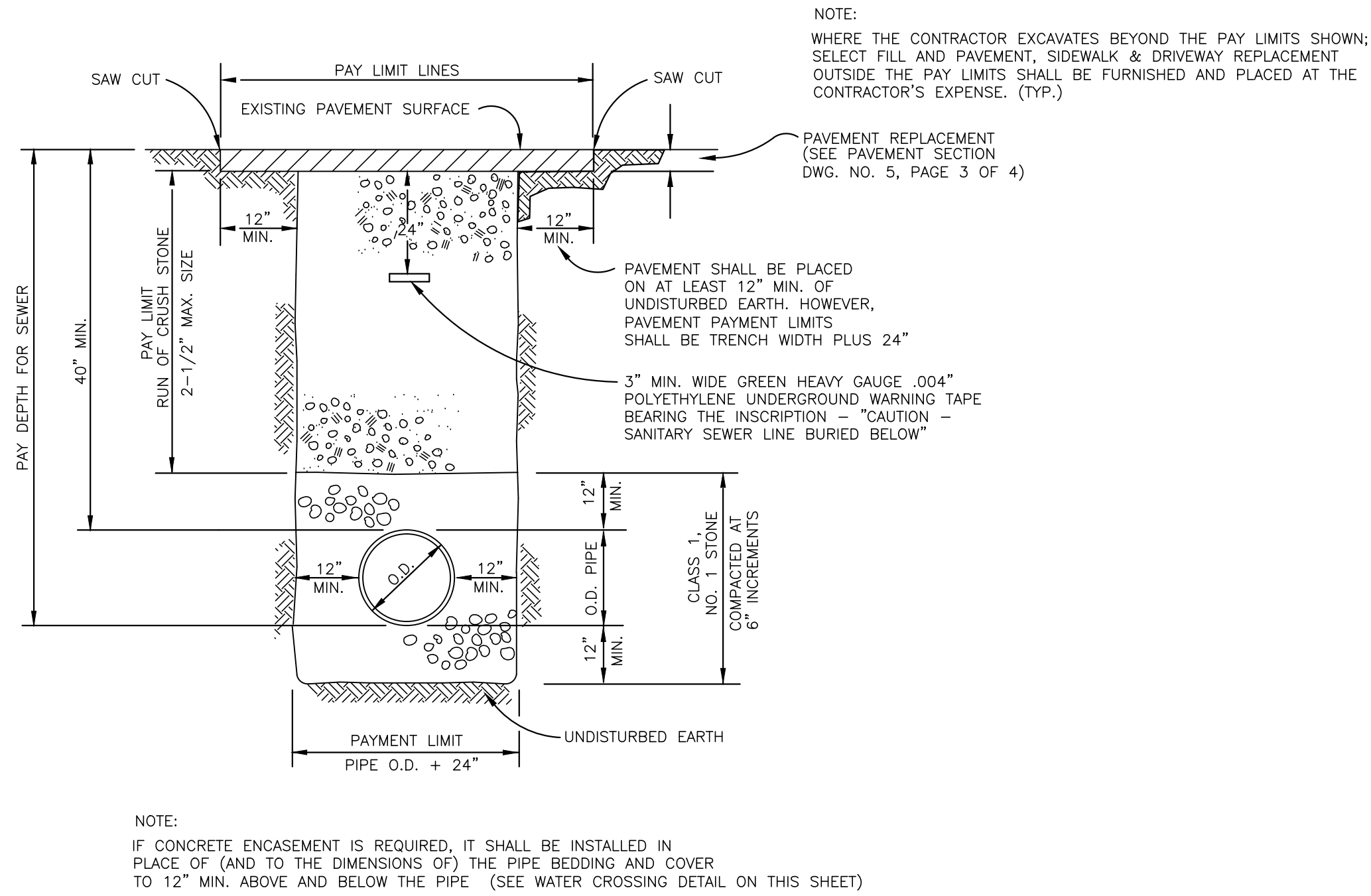


STANDARD MANHOLE FRAME AND COVER
VENTED COVER
NOT TO SCALE

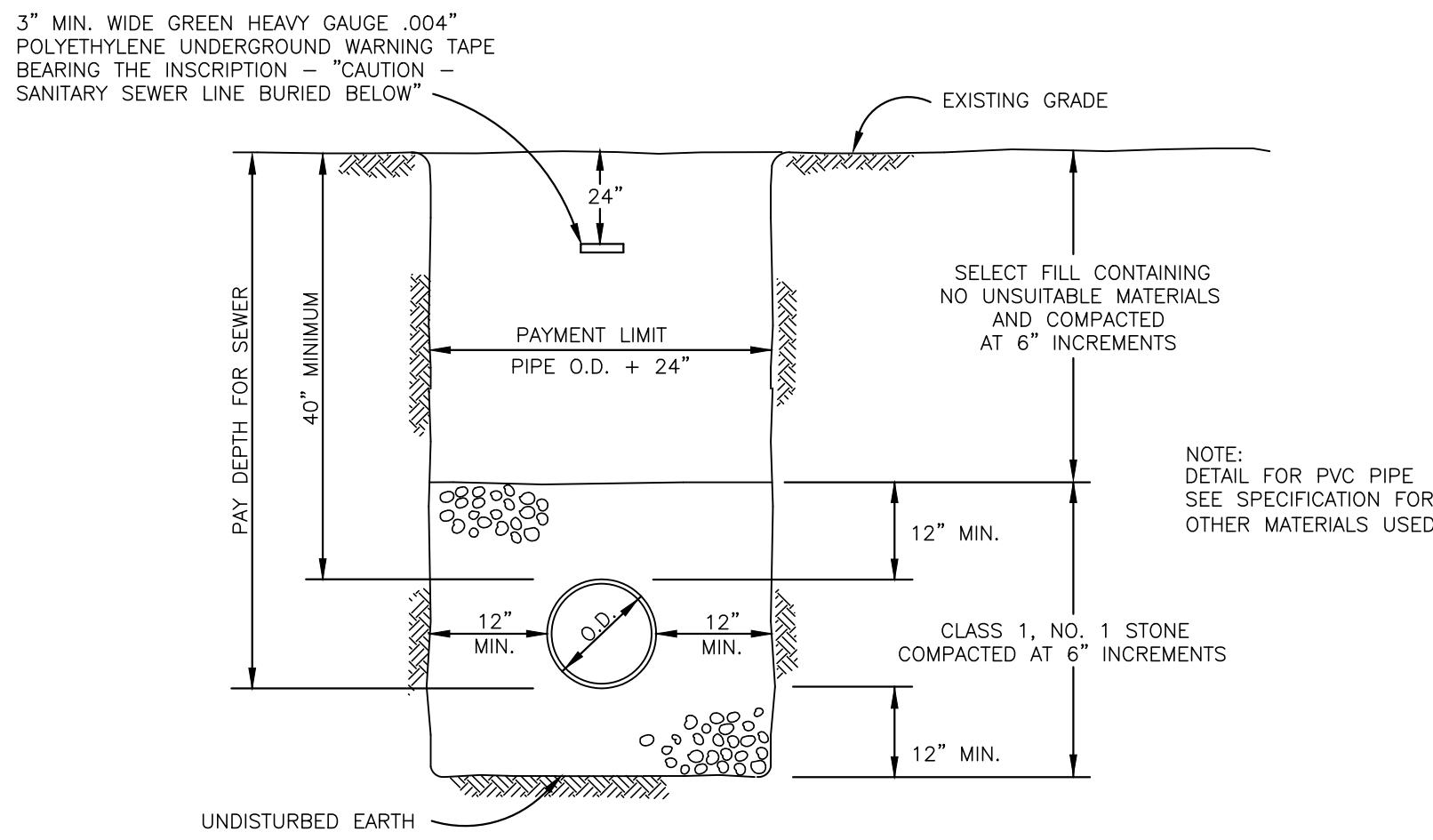


* WHEN DEPTH FROM TOP OF HOUSE CONNECTION PIPE TO SURFACE IS LESS THAN
6.0 FEET, A CONCRETE ENCASMENT WILL BE REQUIRED TO THE LIMITS SHOWN
(SEE WATER CROSSING DETAIL SAN. SEWERS DWG. #4 - PG. #2 OF 4)

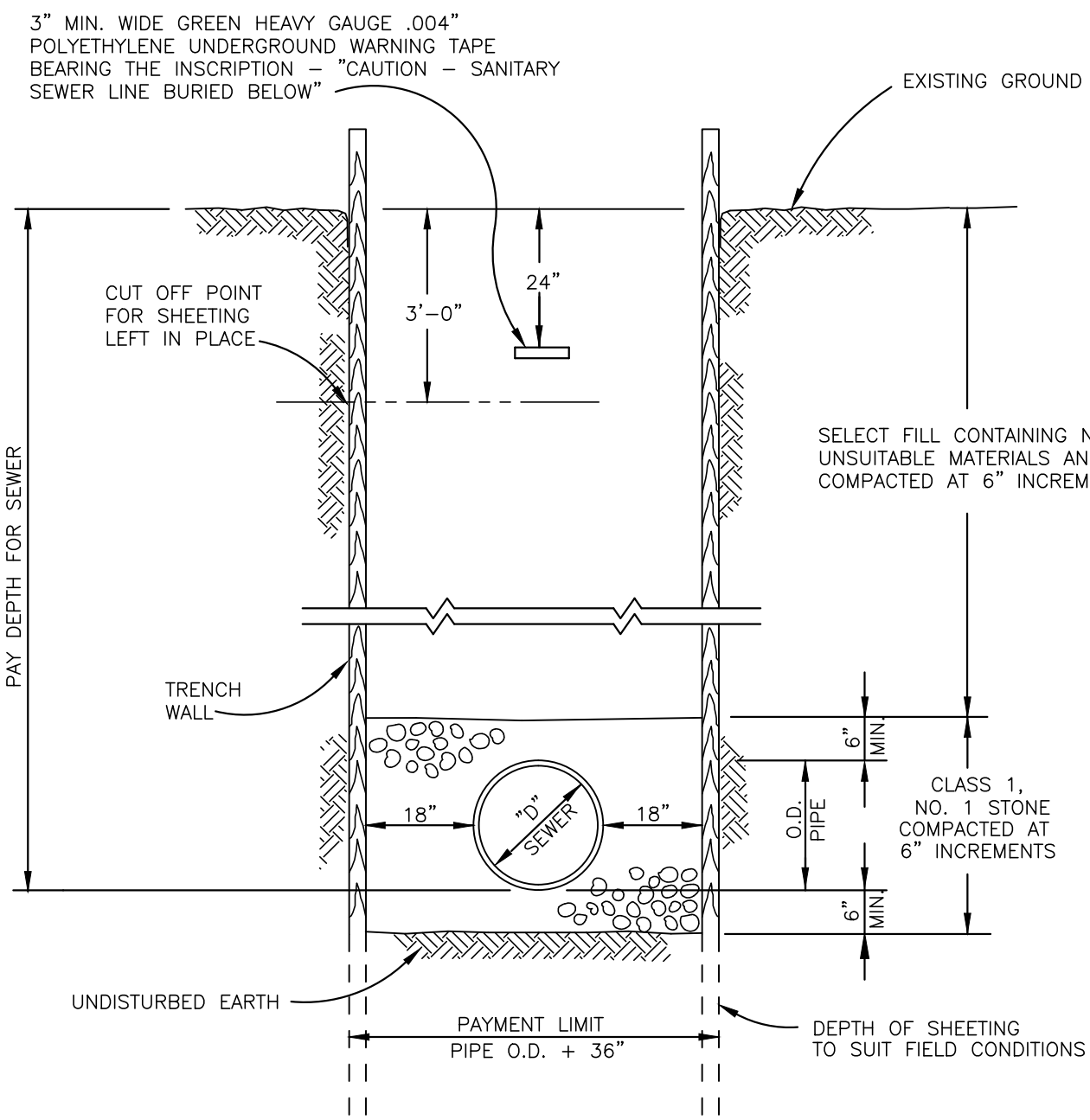
SANITARY
TYPICAL PAVEMENT CROSSING
FOR HOUSE CONNECTION
NOT TO SCALE



TYPICAL TRENCH DETAIL - TOWN ROAD CROSSING
FOR MAIN SEWERS
& HOUSE AND BUILDING CONNECTIONS
NOT TO SCALE



TYPICAL EARTH TRENCH DETAIL
UNPAVED AND UNTRAVELED AREAS
NOT TO SCALE



SHEETED TRENCH DETAIL
NOT TO SCALE

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	5	Rev. Per Town Comments	5/13/2025
	6	Rev. Per Town Comments	5/23/2025
	7	Rev. Per Town Comments	5/23/2025



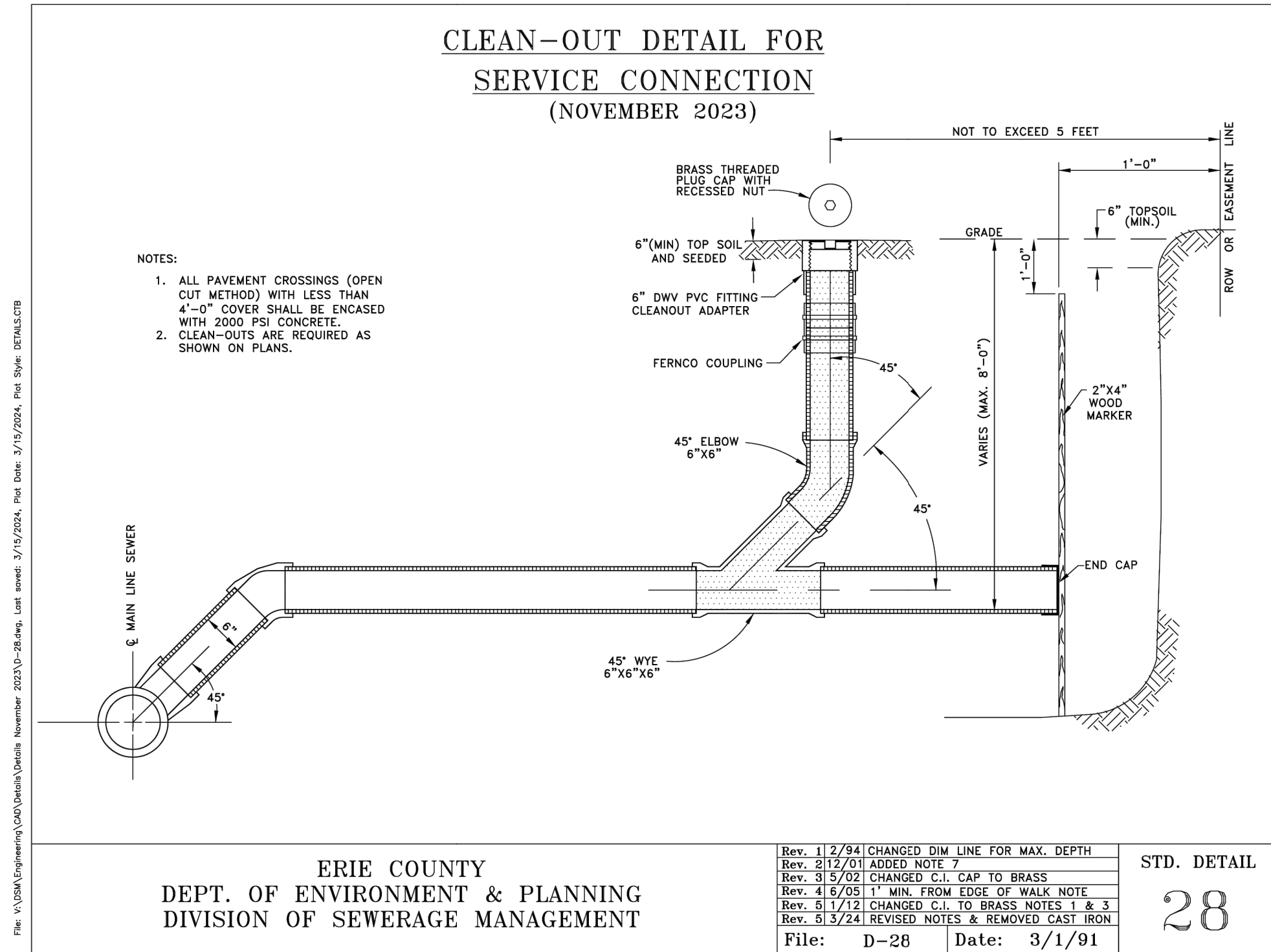
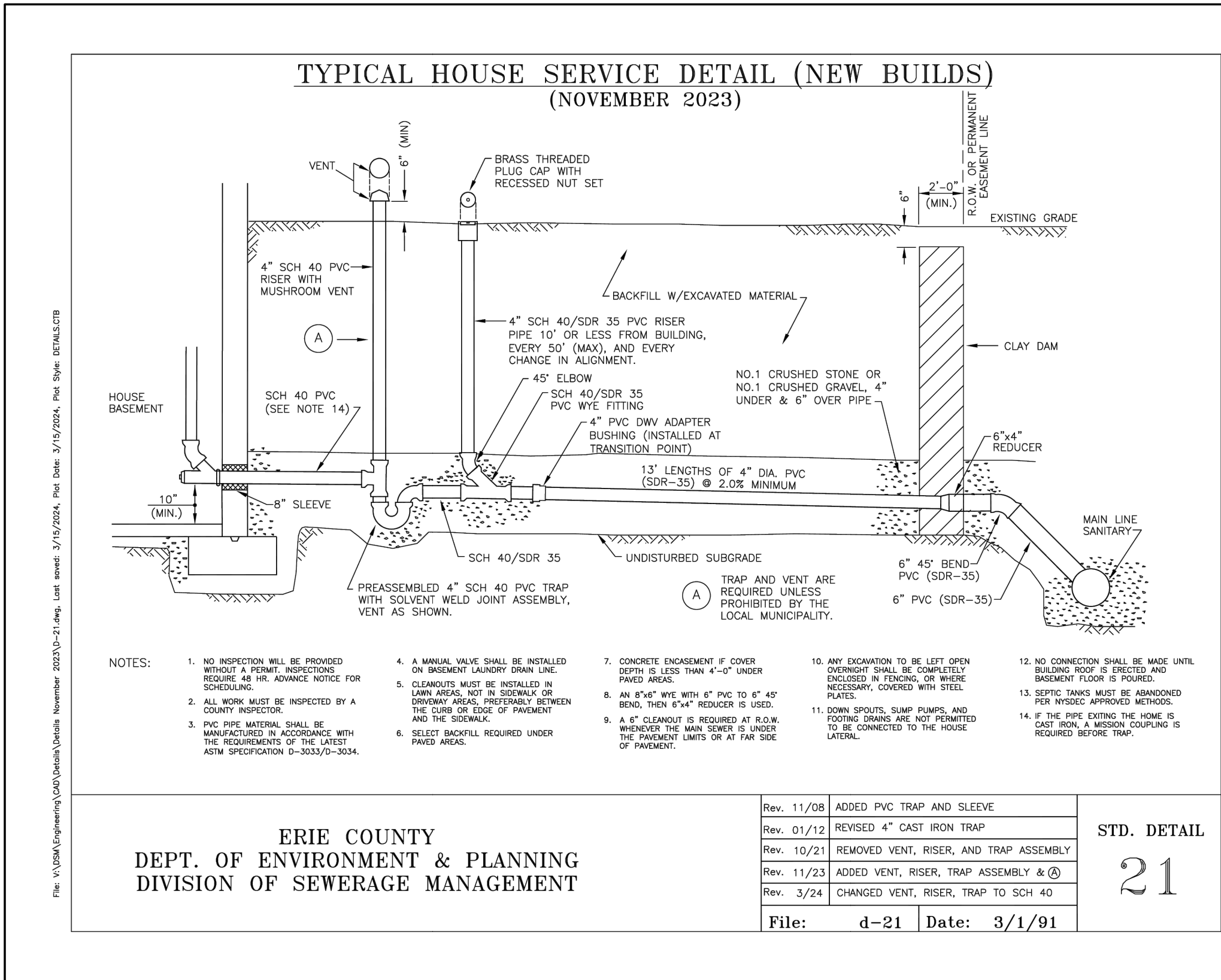
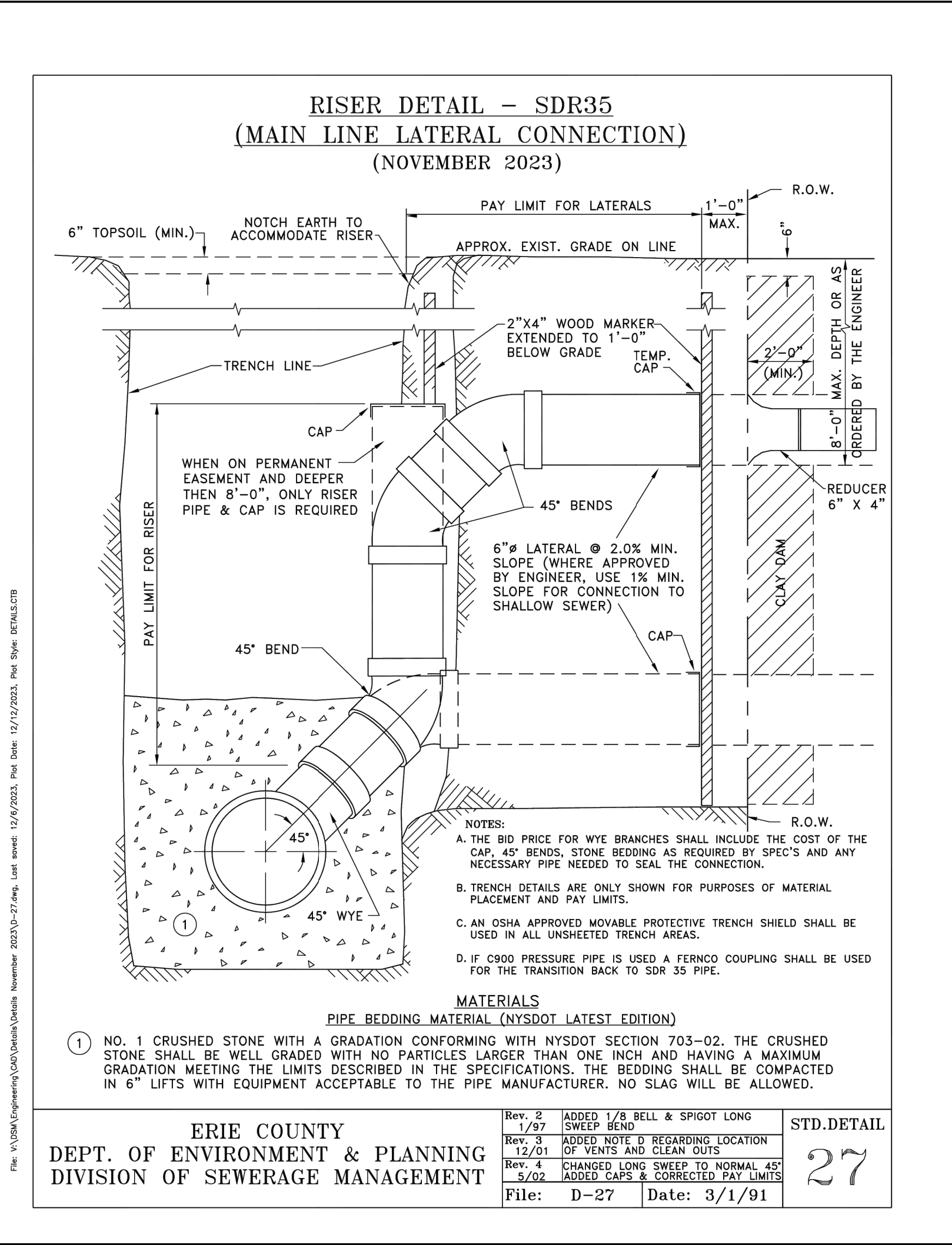
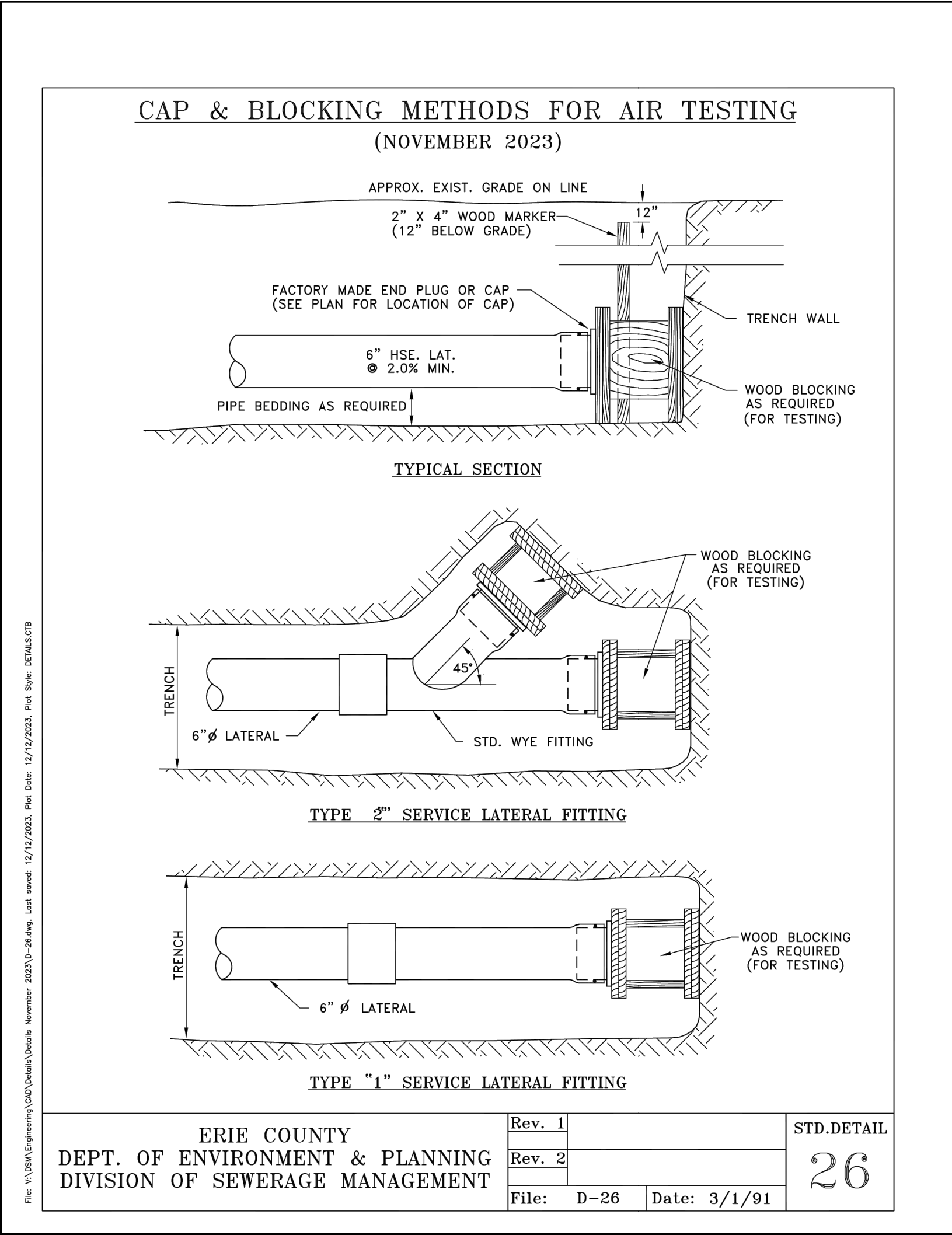
DRAWING NAME:
Sanitary Sewer
Details

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-402

Project No: 20.247



TOWN OF AMHERST APPROVAL BOX:

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6	Rev. Permanent Open Space	5/13/2025	
7	Rev. Per Town Comments	5/23/2025	



DRAWING NAME:
Sanitary Sewer Details

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

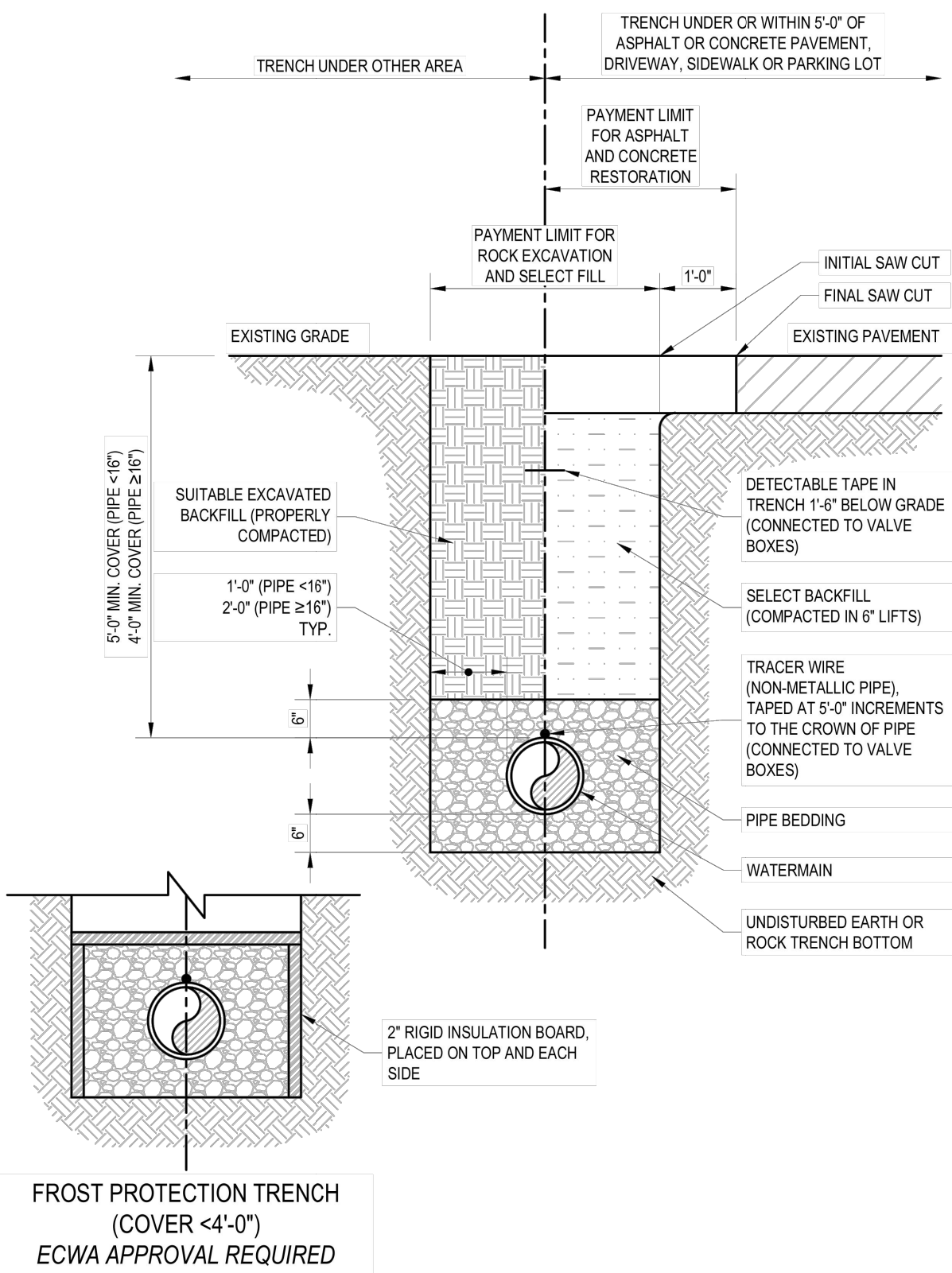
DRAWING NO.
C-403
Project No: 20.247

(A) LEAKAGE TESTS

- (B) INFILTRATION TEST CRITERIA FOR USE

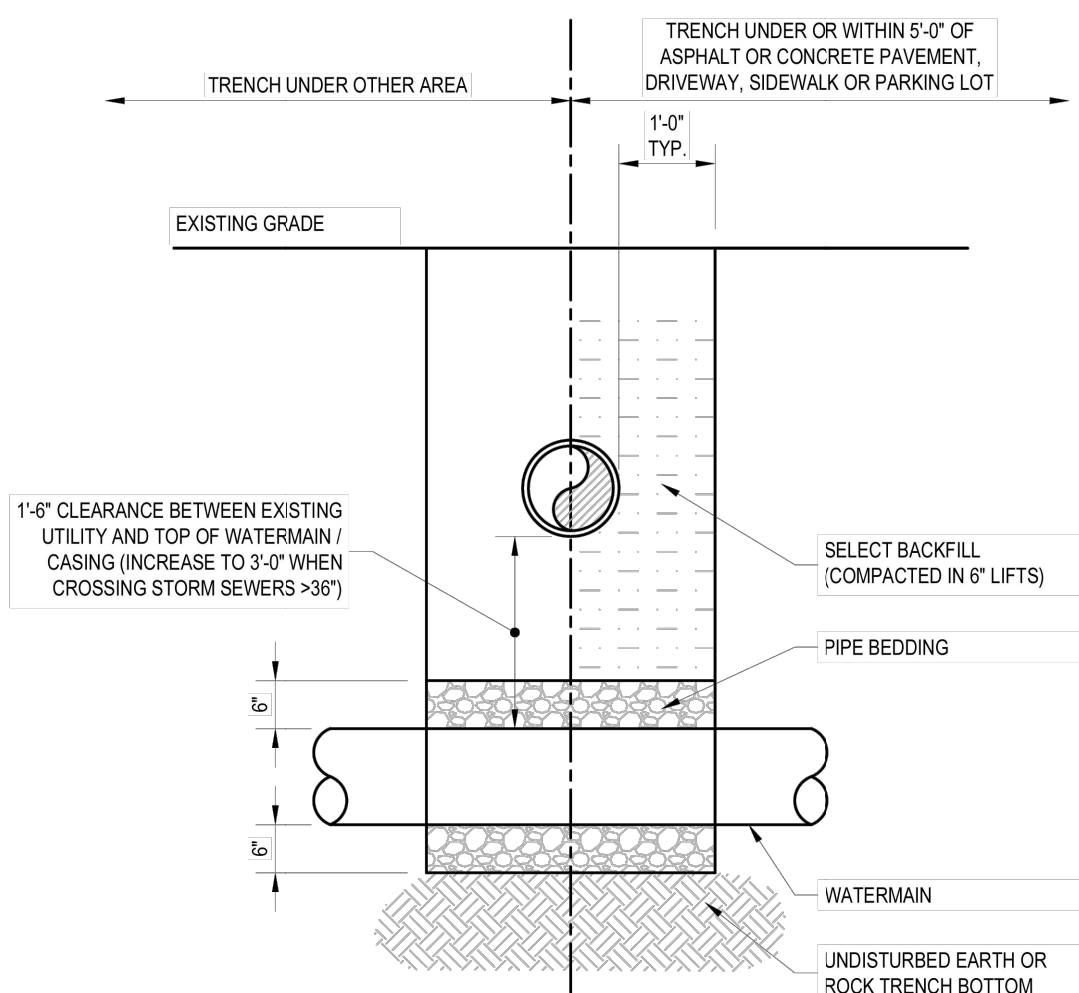
- (C) EXFILTRATION TEST CRITERIA FOR USE

- (D) DEFLECTION TEST FOR PVC SEWER PIPE



TYPICAL TRENCH DETAIL
SCALE: NTS

Revision: 2024-01
Detail: SD-01



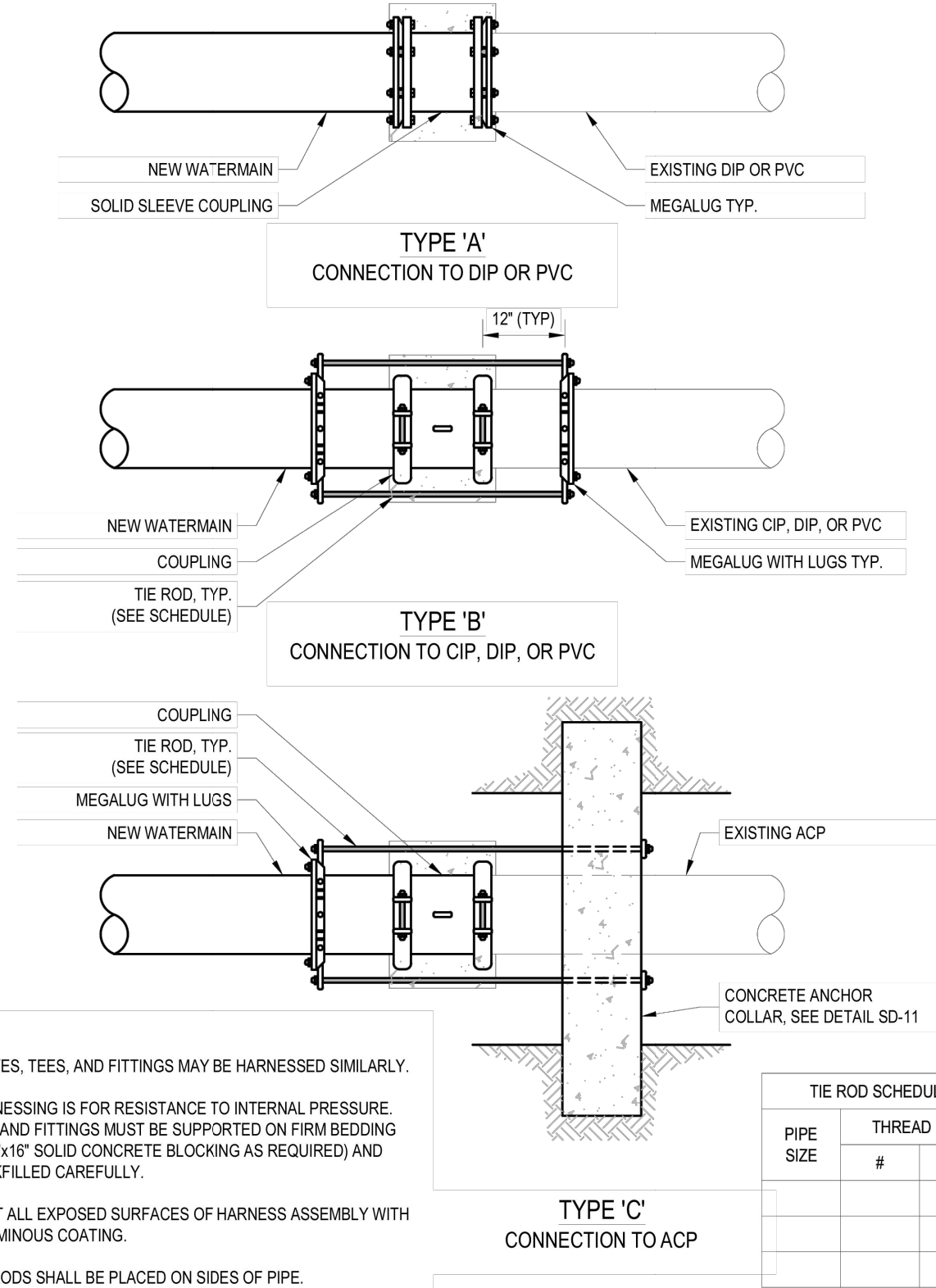
NOTES:

- ALL EXISTING UTILITIES MUST BE SUPPORTED WITH APPROPRIATE CHAINS / STRAPS DURING CONSTRUCTION OF THE NEW WATERMAIN. CONTRACTOR IS REQUIRED TO COORDINATE WITH THE OWNER FOR THEIR PREFERRED SUPPORT REQUIREMENTS.
- WHEN CROSSING A SEWER LINE WITH NEW WATERMAIN (AND WITHOUT A CASING PIPE), ONE FULL LENGTH (18'-0" MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE WATERMAIN SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER.
- IF CASING PIPE IS USED, IT SHALL EXTEND 5'-0" BEYOND THE EXISTING PIPE OUTER EDGE IN EACH DIRECTION, AND NO WATERMAIN JOINTS OR FITTINGS SHALL BE LOCATED WITHIN 4'-0" FROM THE CASING PIPE EDGE.



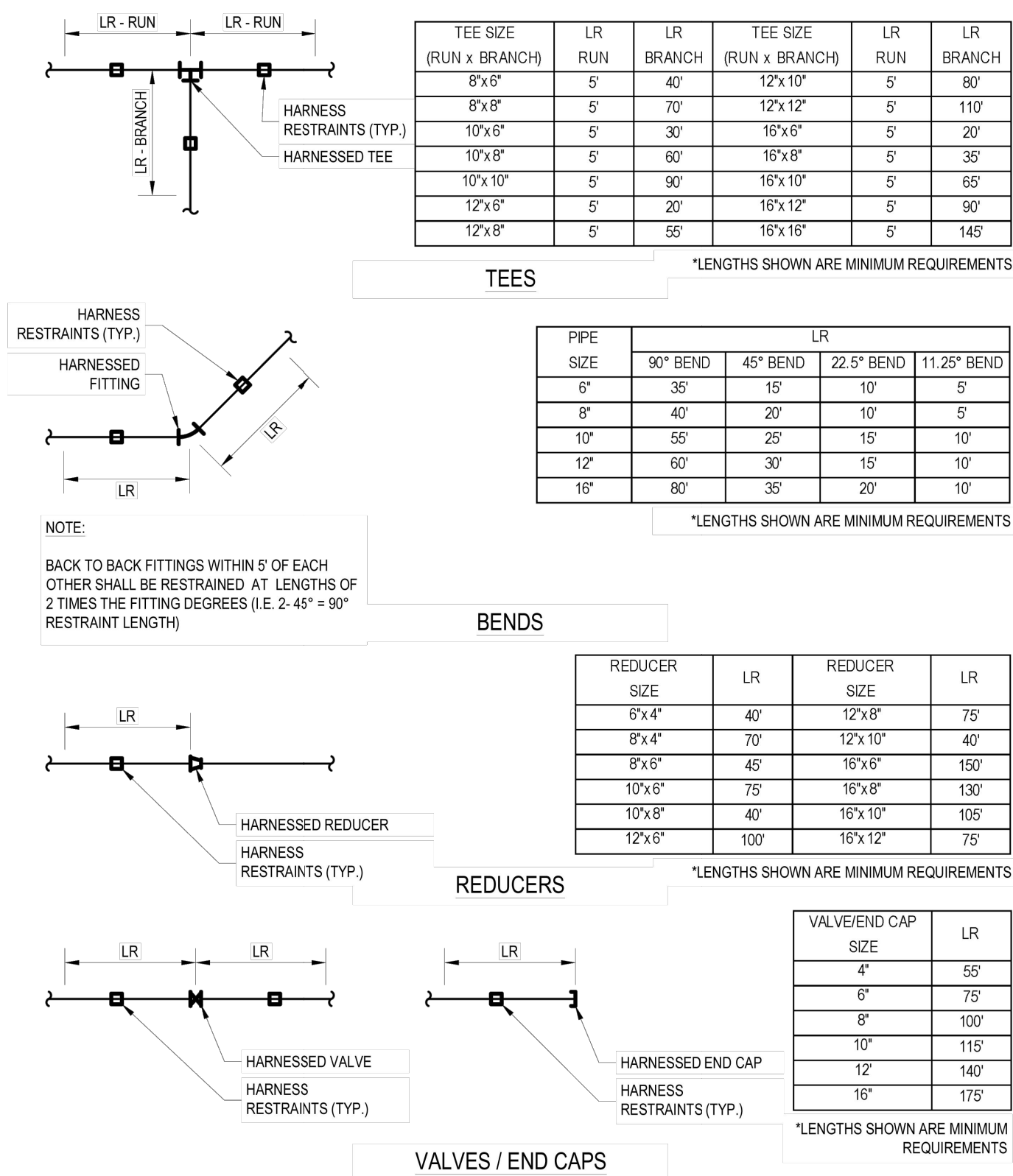
PIPE CROSSING DETAIL
SCALE: NTS

Revision: 2024-01
Detail: SD-02



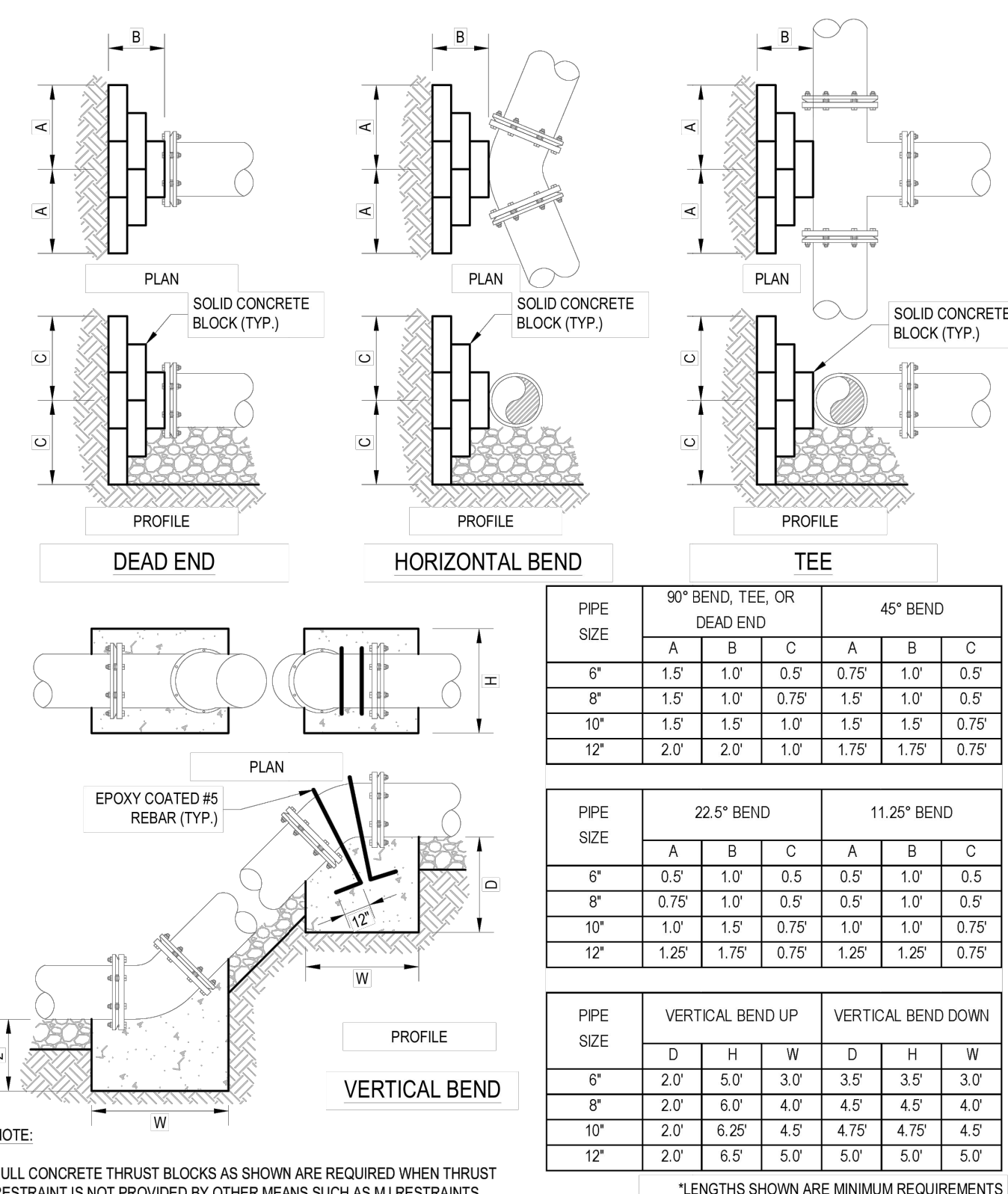
TYPICAL CONNECTION TO EXISTING WATERMAIN
SCALE: NTS

Revision: 2024-01
Detail: SD-08



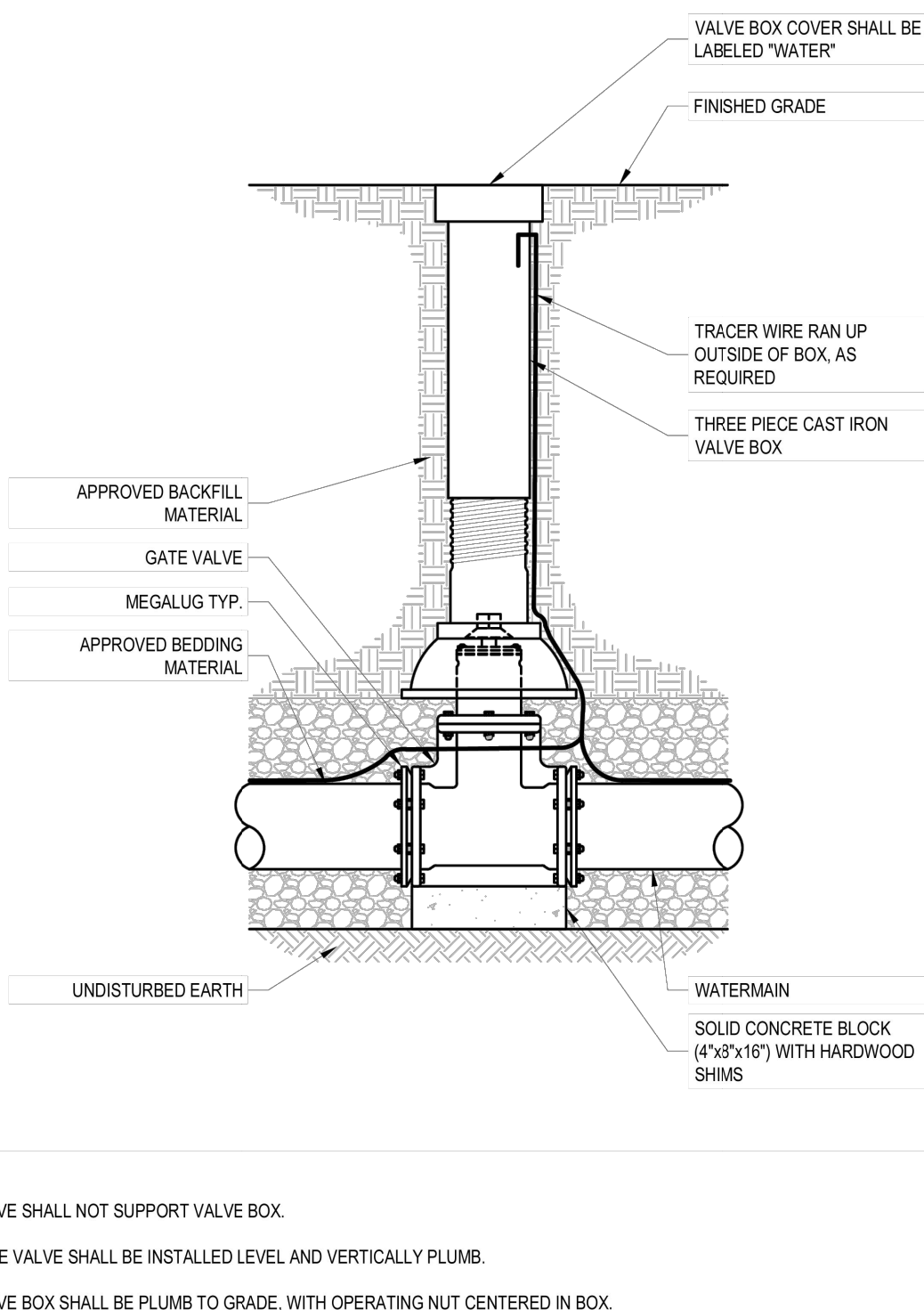
RESTRAINED JOINT SCHEDULE
SCALE: NTS

Revision: 2024-01
Detail: SD-09



THRUST BLOCKS
SCALE: NTS

Revision: 2024-01
Detail: SD-10



GATE VALVE SETTING
SCALE: NTS

Revision: 2024-01
Detail: SD-12

TOWN OF AMHERST APPROVAL BOX:

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4	Rev. Per Town Comments	4/16/2025		
5	Rev. Per Town Comments	5/13/2025		
6	Rev. Per Town Comments	5/23/2025		
7	Rev. Per Town Comments			



DRAWING NAME:
Water Details

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-405

Project No: 20.247

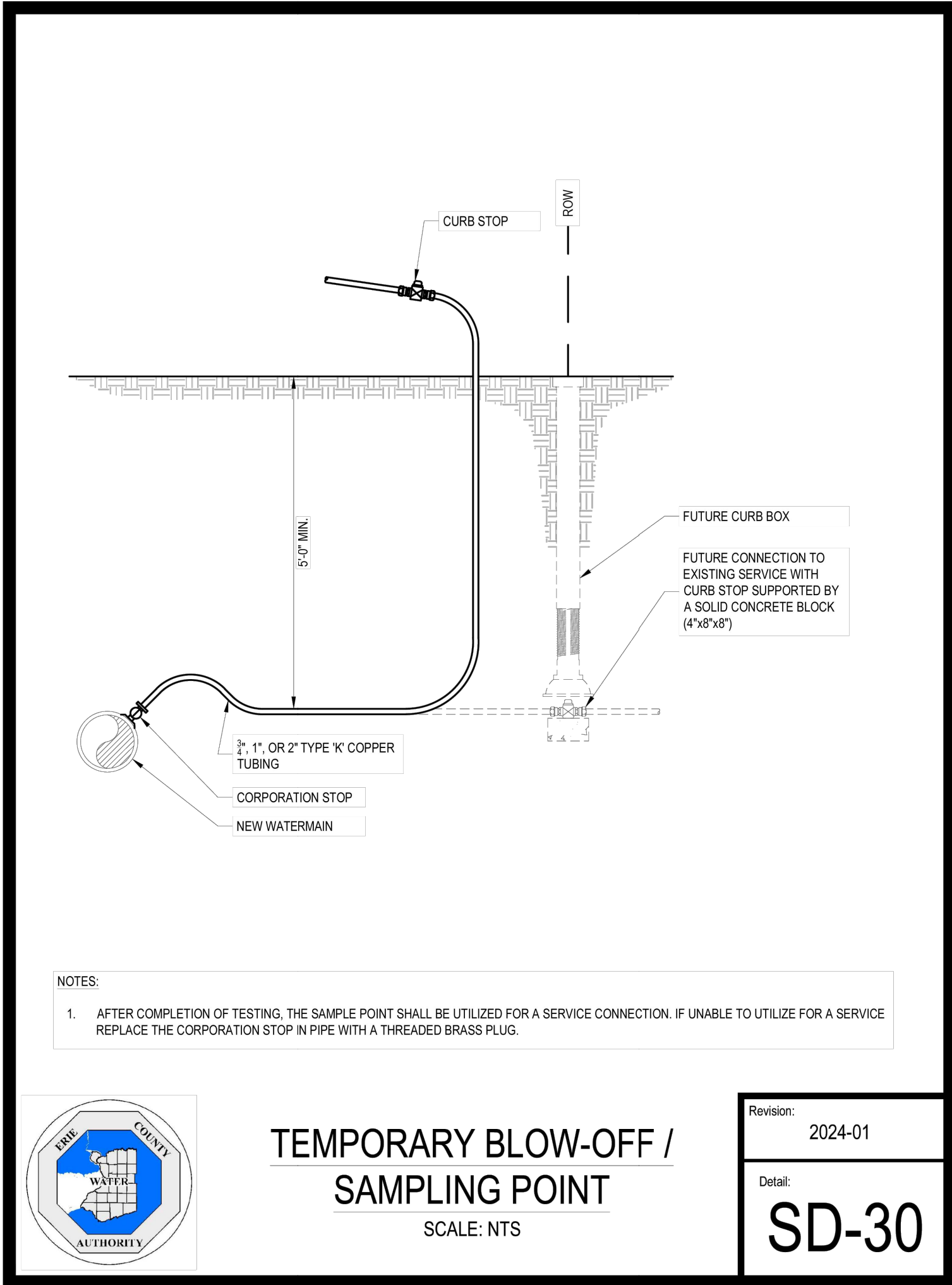
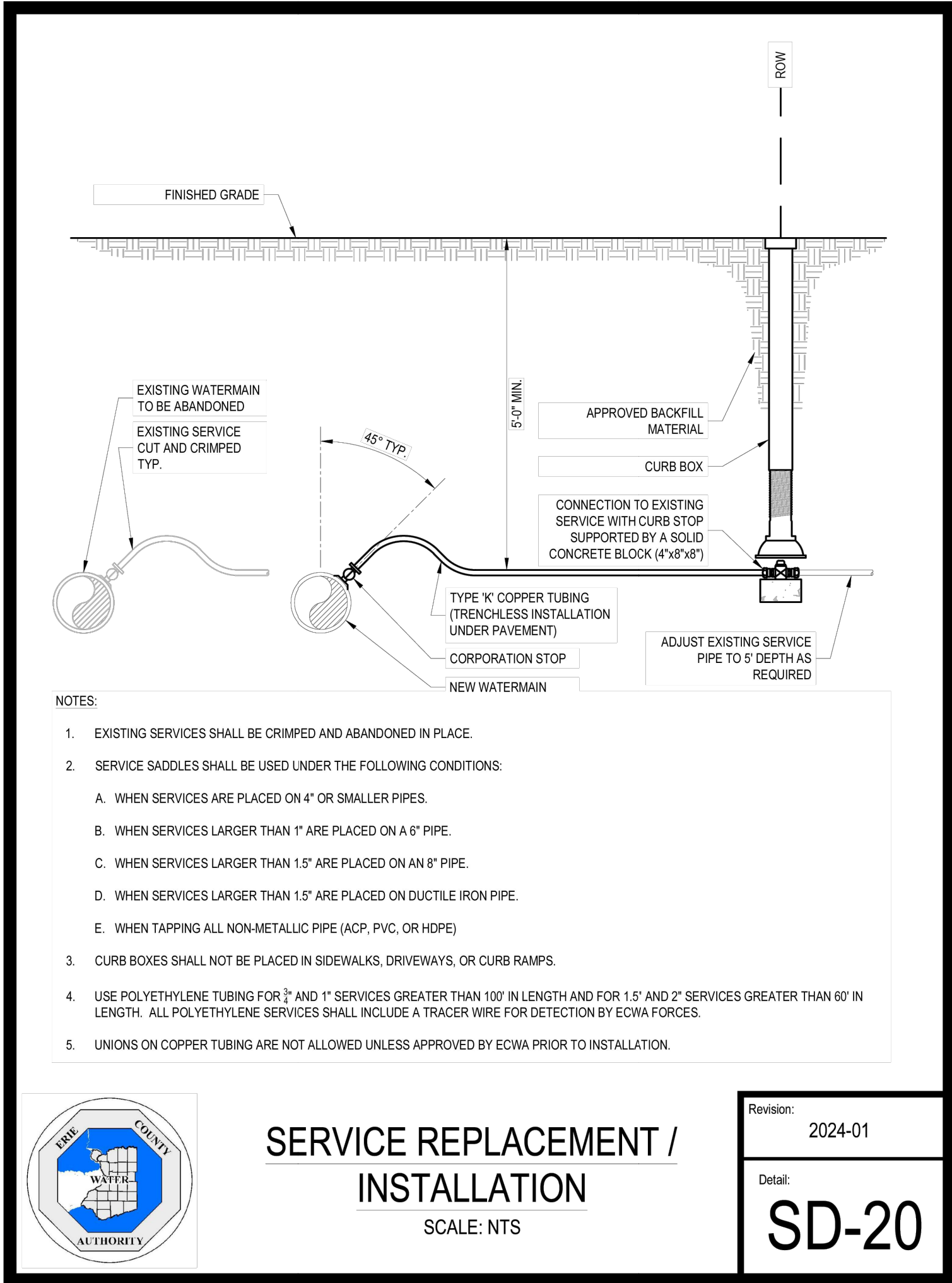
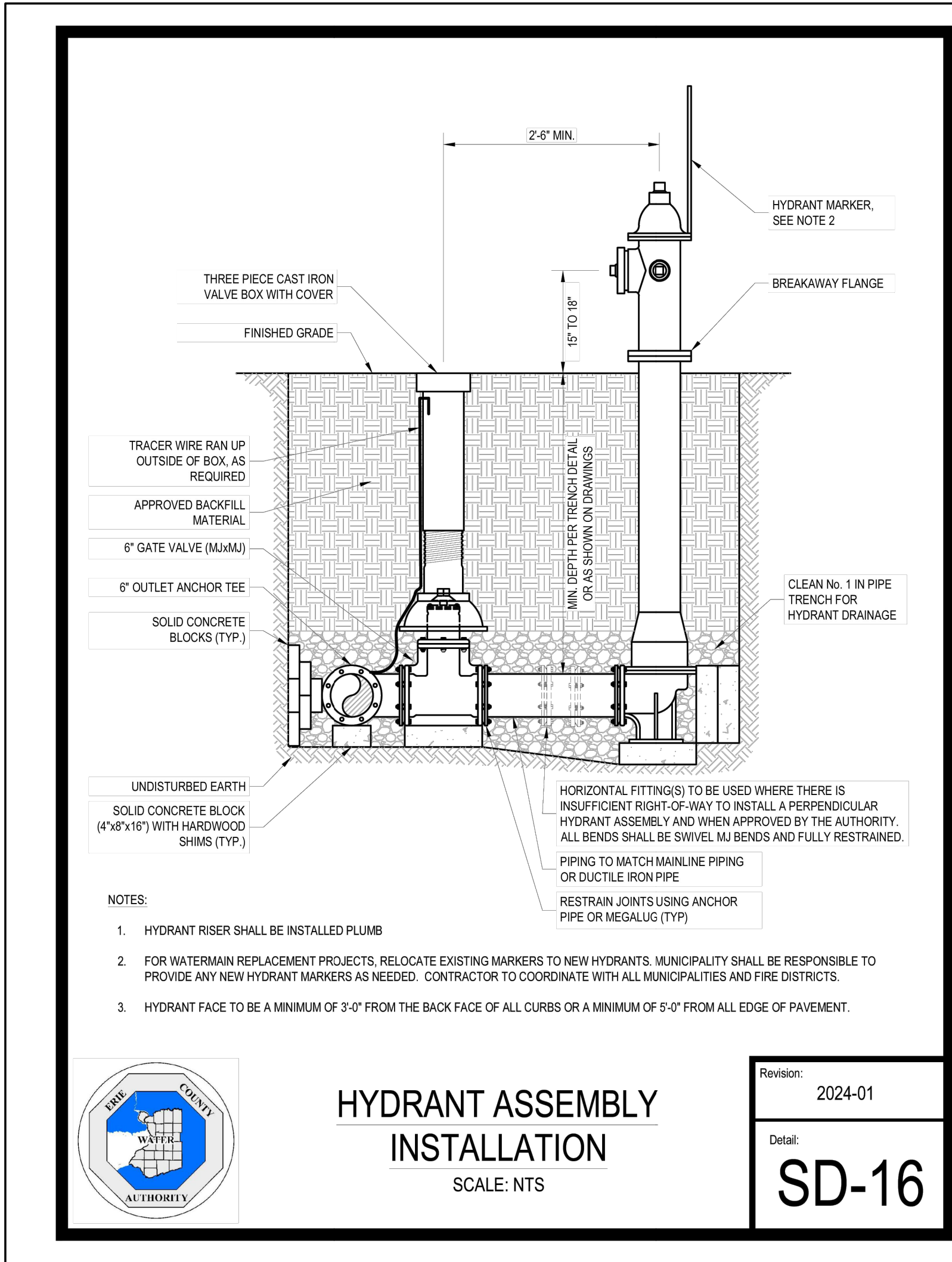
CARMINA WOOD
DESIGN

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Single Family Subdivision
1789 Dodge Road
Amherst, New York

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5	Rev.	Per Town Comments	4/16/2025	
6	Rev.	Permanent Open Space	5/13/2025	
7	Rev.	Per Town Comments	5/23/2025	



DRAWING NAME:
Water Details

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-406

Project No: 20.247

HADCO
by @ignify

Urban

TownView

TVPC/TVPR
Post top and arm mount luminaire



The Hadco TownView LED post top luminaires were designed to eliminate the compromises of performance, comfort, style options and value when choosing the right lighting solution for residential street and pedestrian area. The horizontal lens option reduces glare to enhance a sense of security with increased visual comfort. TownView offers design flexibility with a variety of style options, lumen packages, a range of control options and more at exceptional value.

Project: _____
Location: _____
Cul No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

Ordering guide: Luminaire example: TVPC-53-S-32-G1-7-35-730-A-N-R7-N-SP1-T-N-N-BK5

Series	Mounting	Roof option	LED module	Generation	Drive current	Distribution	Color temp.	Voltage	Integral Controls ¹
TVPC	TownView with visual comfort panels	A1 Arm Mt L4 Large Post Top Filter 4" tool less entry	16 16 LEDs	G1 Gen1	5 530mA 7 700 mA 9 900 mA 1 1000mA	2S Type 2 Short 3W Type 3 Short 5 Type 5 Wide 2H Type 2 House-side shield 3SH Type 3 Short House-side shield 3WH Type 3 Wide House-side shield	730 3000K (70 CRI) 740 4000K (70 CRI) 827 2700K (80 CRI)	A 120-277 Volt J 480V K 347V	DA+ 4 Hrs 25% Reduction DB+ 4 Hrs 50% Reduction DC+ 4 Hrs 75% Reduction DD+ 6 Hrs 25% Reduction DE+ 6 Hrs 50% Reduction DF+ 6 Hrs 75% Reduction DG+ 8 Hrs 25% Reduction DH+ 8 Hrs 50% Reduction DI+ 8 Hrs 75% Reduction DL+ DALI (default: logarithmic) SRD+ SR Driver CLD+ Constant light output AST+ Adjustable startup time OTL+ Over the hillie (default: 1.70 hrs) FAWS Field adjustable wattage selector SRD Sensor ready driver (standard configuration) SRD1 Sensor ready driver (alternative configuration) N None

Receptacle	Sensor Receptacle ¹	Surge Protection	Term Block	Decorative Option	Bird Guard	Finish ¹
B7 7 Pin toolless rotatable standard - no photocell	N None	SP1 Parallel 10KV standard SP2 Parallel 20KV	T Terminal Block N None	L+ Ladder Rect N None	N None	BK5 Black Smooth WH5 White Smooth BK5 Bronze Smooth GN5 Green Smooth BK Black Texture WH White Texture BK Bronze Texture GN Green Texture

Footnotes see page 2.

TVP_TownView-spec-sheet 12/20 page 1 of 8

TVPC/TVPR TownView

Post top and arm mount luminaire

Ordering Guide: Arm mount

Must be ordered as a separate line item (if Arm Mount option is chosen for fixture).

Code	Mount	Width	Options	Finish
TV	A	55	S	
TV TownView	A Arm Mount	55 55.5" wide	S Decorative Scroll	BK5 Black Smooth WH5 White Smooth BK5 Bronze Smooth GN5 Green Smooth BK Black Texture WH White Texture BK Bronze Texture GN Green Texture

Only available with Square roof

Footnotes

- Only S Square roof available with A Arm Mount
- Consult factory for information and lead time
- Only pick one option from the Control list - for multiple control options consult the factory
- This option requires more information contact factory
- Only available with 120-277 V
- Ladder rest option not available with Arm Mount
- Not available with 347V
- Order a TVLN (no panel version) if you want the SR (Receptacle option) Or consult factory to review sensor compatibility with panels
- When any Finish other than BK5 or BK is selected, cupola will be metal and painted to match finish. Cupola supplied with BK5 or BK finish option may be used with Intersect City Astro-Clock node. If using Intersect City with other finishes, cupola must be removed and Astro-Clock node is not required.
- Position 10 is open for receptacle control, must use one or the other not BOTH.
- SR Receptacle only available with 32 LED (receptacle is mounted in the middle of the boards) and SRD Driver is required if you choose this receptacle

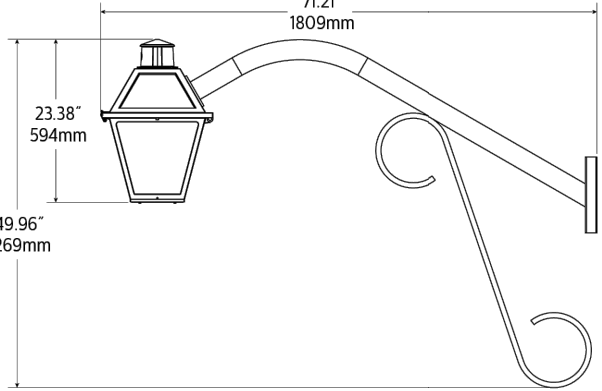
Dimensions: Arm mount

TVPr-A-S

Arm: Made of aluminum tubing

Decorative Element: Bent aluminum decorative arm scroll mechanically assembled.

Mounting Plate: Made of aluminum, mechanically fastened to the pole.



EPA Values

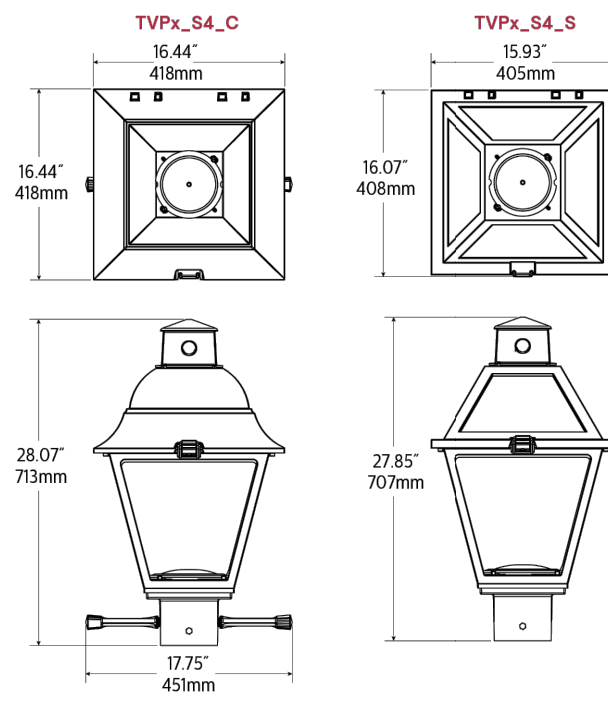
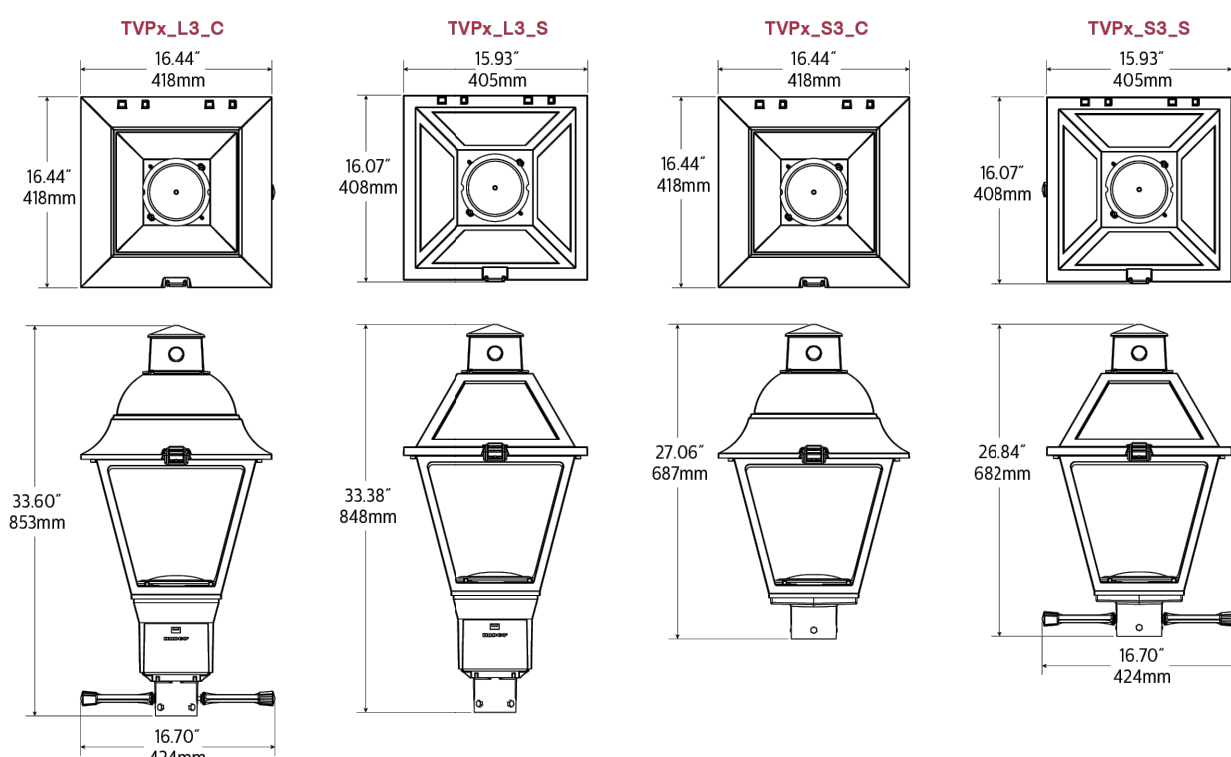
	Weight	EPA
TVPr-A-S	14 lbs	1.98 ft ²

TVP_TownView-spec-sheet 12/20 page 2 of 8

TVPC/TVPR TownView

Post top and arm mount luminaire

Dimensions: Luminaire



EPA Values

	Weight	EPA
TVPx-L3-C	24.75 lbs	1.75 sq. ft.
TVPx-L3-S		
TVPx-S2/S3-C	23.50 lbs	1.49 sq. ft.
TVPx-S2/S3-S		
TVPx-S4-C	24.38 lbs	1.54 sq. ft.
TVPx-S4-S		
TVPx-A-S	22.13 lbs	1.39 sq. ft.

TVP_TownView-spec-sheet 12/20 page 3 of 8

TVPC/TVPR TownView

Post top and arm mount luminaire

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L₇₀ is the predicted time when LED performance deprecates to 70% of initial lumen output. Calculated per IESNA TM-21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

Ambient Temperature °C	Driver mA	Calculated L ₇₀ Hours	L ₇₀ per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 1050 mA	>100,000 hours	>54,000 hours	>96%

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumen Multiplier	Typical System Wattage
1	0.31	0.28
2	0.53	0.50
3	0.62	0.58
4	0.70	0.67
5	0.78	0.75
6	0.83	0.81
7	0.89	0.87
8	0.92	0.91
9	0.96	0.95
10	1.00	1.00

Note: Typical value accuracy +/- 15%

LED Lumen values - TVPC (Visual Comfort Panels)

Ordering Code	LED Qty	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Lumen Output	Type 2S Efficacy (LPW)	BUG Rating	Lumen Output	Type 3S Efficacy (LPW)	BUG Rating	Lumen Output	Type 3W Efficacy (LPW)	BUG Rating	Lumen Output	Type 5 Efficacy (LPW)	BUG Rating
TVPC-16-G1-S-730	16	530	3000	29	2,627	91	B1-U2-G1	2,788	96	B1-U2-G1	2,779	96	B1-U2-G1	2,810	101	B1-U2-G1
TVPC-16-G1-S-730	16	700	3000	38	3,136	87	B1-U2-G1	3,527	93	B1-U2-G1	3,516	92	B1-U2-G1	3,707	97	B1-U2-G1
TVPC-16-G1-S-730	16	900	3000	49	4,069	83	B1-U2-G1	4,128	89	B1-U2-G1	4,134	88	B1-U2-G1	4,548	93	B1-U2-G1
TVPC-16-G1-S-730	16	1050	3000	57	4,986	87	B1-U2-G1	5,678	96	B1-U2-G1	5,682	95	B1-U2-G1	5,965	99	B1-U2-G1
TVPC-32-G1-S-730	32	530	3000	53	5,103	96	B1-U2-G1	5,342	100	B1-U2-G1	5,390	101	B2-U2-G2	5,657	105	B1-U2-G2
TVPC-32-G1-S-730	32	700	3000	70	6,443	92	B2-U2-G2	6,744	96	B2-U2-G2	6,805	97	B2-U2-G2	7,091	101	B1-U2-G2
TVPC-32-G1-S-730	32	800	3000	80	7,770	89	B1-U2-G1	7,505	93	B1-U2-G1	7,372	94	B1-U2-G2	7,882	98	B1-U2-G2
TVPC-32-G1-S-730	32	1050	3000	108	9,006	83	B2-U2-G2	9,427	97	B2-U2-G2	9,427	96	B2-U2-G2	9,915	101	B1-U2-G2
TVPC-48-G1-S-730	48	530	3000	81	7,760	96	B2-U2-G2	8,144	101	B1-U2-G1	8,277	102	B2-U2-G2	8,564	106	B1-U2-G2
TVPC-48-G1-S-730	48	700	3000	105	9,766	93	B2-U2-G2	10,233	98	B2-U2-G2	10,315	98	B2-U2-G2	10,750	103	B2-U2-G2
TVPC-48-G1-S-730	48	900	3000	29	2,882	99	B1-U2-G1	3,065	105	B1-U2-G1	3,221	101	B1-U2-G1	3,321	104	B1-U2-G1
TVPC-48-G1-S-730	48	1050	3000	39	3,646	95	B1-U2-G1	3,878	101	B1-U2-G1	3,965	100	B1-U2-G1	4,095	106	B1-U2-G1
TVPC-16-G1-S-740	16	900	4000	49	4,473	90	B1-U2-G1	4,758	96	B1-U2-G1	4,743	94	B1-U2-G1	5,001	101	B1-U2-G1
TVPC-16-G1-S-740	16	1050	4000	58	5,042	88	B1-U2-G1	5,363	93	B1-U2-G1	5,145	93	B1-U2-G1	5,636	98	B1-U2-G1
TVPC-32-G1-S-740	32	530	4000	54	5,611	104	B1-U2-G1	5,873	109	B1-U2-G1	5,926	110	B2-U2-G2	6,176	114	B1-U2-G2
TVPC-32-G1-S-740	32	700	4000	71	7,083	100	B2-U2-G2	7,414	104	B2-U2-G2	7,481	105	B2-U2-G2	7,797	110	B1-U2-G2
TVPC-32-G1-S-740	32	800	4000	81	7,883	97	B1-U2-G1	8,261	102	B1-U2-G1	8,236	102	B1-U2-G2	8,677	107	B1-U2-G2
TVPC-32-G1-S-740	32	1050	4000	100	9,002	90	B2-U2-G2	10,365	95	B2-U2-G2	10,368	95	B2-U2-G2	10,898	99	B1-U2-G2
TVPC-48-G1-S-740	48	530	4000	82	8,554	105	B2-U2-G2	8,954	110	B1-U2-G1	9,034	111	B2-U2-G2	9,415	115	B1-U2-G2
TVPC-48-G1-S-740	48	700	4000	106	10,738	101	B2-U2-G2	11,240	106	B2-U2-G2	11,341	107	B2-U2-G2	11,819	112	B2-U2-G2

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlightingapplications@phlips.com. Consult DLC DPL to confirm your specific fixture selection is DLC approved. Note: Some data may be scaled based on tests of similar but not identical luminaires.

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TVPC/TVPR TownView

Post top and arm mount luminaire

LED Lumen values - TVPC (Visual Comfort Panels and House-side shield)

Ordering Code	LED Qty	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Lumen Output	Type 2S Efficacy (LPW)	BUG Rating	Lumen Output	Type 3S Efficacy (LPW)	BUG Rating	Lumen Output	Type 3SH Efficacy (LPW)	BUG Rating	Lumen Output	Type 3WH Efficacy (LPW)	BUG Rating
TVPC-16-G1-S-730	16	530	3000	29	2,694	72	B0-U2-G1	2,322	80	B0-U2-G1	2,355	75	B1-U2-G1			
TVPC-16-G1-S-730	16	700	3000	38	3,249	70	B1-U2-G1	2,918	77	B1-U2-G1	2,726	72	B1-U2-G1			
TVPC-16-G1-S-730	16	900	3000	49	3,251	66	B1-U2-G1	3,605	74	B1-U2-G1	3,345	68	B1-U2-G1			
TVPC-16-G1-S-730	16	1050	3000	57	3,654	64	B1-U2-G1	4,062	71	B1-U2-G1	3,770	66	B1-U2-G1			
TVPC-32-G1-S-730	32	530	3000	53	4,088	75	B1-U2-G1	4,362	82	B1-U2-G1	4,226	80	B1-U2-G1			
TVPC-32-G1-S-730	32	700	3000	72	5,073	72	B1-U2-G1	5,207	78	B1-U2-G1	5,407	77	B1-U2-G1			
TVPC-32-G1-S-730	32	800	3000	80	5,645	70	B1-U2-G1	6,128	76	B1-U2-G1	6,028	75	B1-U2-G1			
TVPC-32-G1-S-730	32	1050	3000	108	7,091	65	B1-U2-G1	7,698	71	B1-U2-G2	7,572	70	B1-U2-G2			
TVPC-48-G1-S-730	48	530	3000	81	6,106	76	B1-U2-G1	6,650	82	B1-U2-G1	6,541	81	B1-U2-G2			
TVPC-48-G1-S-730	48	700	3000	105	7,690	72	B1-U2-G1	8,348	80	B1-U2-G2	8,271	78	B1-U2-G2			
TVPC-48-G1-S-730	48	900	3000	29	2,302	79	B0-U2-G1	2,553	87	B0-U2-G1	2,369	81	B1-U2-G1			
TVPC-16-G1-S-740	16	700	4000	39	2,913	76	B1-U2-G1	3,230	84	B1-U2-G1	2,997	78	B1-U2-G1			
TVPC-16-G1-S-740	16	900	4000	49	3,574	72	B1-U2-G1	3,963	80	B1-U2-G1	3,678	74	B1-U2-G1			
TVPC-16-G1-S-740	16	1050	4000	58	4,108	70	B1-U2-G1	4,466	76	B1-U2-G1	4,145	72	B1-U2-G1			
TVPC-32-G1-S-740	32	530	4000	54	4,488	82	B1-U2-G1	4,796	89	B1-U2-G1	4,718	87	B1-U2-G1			
TVPC-32-G1-S-740	32	700	4000	71	5,577	79	B1-U2-G1	6,055	85	B1-U2-G1	5,955	84	B1-U2-G2			
TVPC-32-G1-S-740	32	800	4000	81	6,207	76	B1-U2-G1	6,718	83	B1-U2-G1	6,628	82	B1-U2-G1			
TVPC-32-G1-S-740	32	1050	4000	100	7,795	71	B1-U2-G1	8,464	77	B1-U2-G2	8,325	76	B1-U2-G2			
TVPC-48-G1-S-740	48	530	4000	82	6,715	82	B1-U2-G1	7,312	89	B1-U2-G1	7,182	88	B1-U2-G2			
TVPC-48-G1-S-740	48	700	4000	106	8,454	80	B1-U2-G2	9,178	87	B1-U2-G2	9,038	85	B1-U2-G2			

LED Lumen values - TVPR (Vertical Ribbed Panels)

Ordering Code	LED Qty	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Type 2S Efficacy (LPW)	BUG Rating	Type 3S Efficacy (LPW)	BUG Rating	Type 3W Efficacy (LPW)	BUG Rating	Type 5 Efficacy (LPW)	BUG Rating	
TVPR-16-G1-S-730	16	530	3000	29	2,750	95	B1-U2-G1	2,940	102	B1-U2-G1	2,920	101	B1-U2-G1
TVPR-16-G1-S-730	16	700	3000	38	3,479	91	B1-U2-G1	3,779	98	B1-U2-G1	3,694	97	B1-U2-G1
TVPR-16-G1-S-730	16	900	3000	49	4,269	87	B1-U2-G1	4,564	93	B1-U2-G1	4,511	93	B1-U2-G1
TVPR-16-G1-S-730	16	1050	3000	57	4,811	85	B1-U2-G1	5,144	90	B1-U2-G1	5,109	90	B1-U2-G1
TVPR-32-G1-S-730	32	530	3000	53	5,180	101	B1-U2-G1	5,602	105	B1-U2-G1	5,611	105	B1-U2-G1
TVPR-32-G1-S-730	32	700	3000	70	6,792	97	B2-U2-G2	7,071	101	B1-U2-G2	7,083	101	B1-U2-G2
TVPR-32-G1-S-730	32	800	3000	80	7,558	94	B2-U2-G2	7,869	98	B1-U2-G2	7,882	98	B1-U2-G2
TVPR-32-G1-S-730	32	1050	3000	108	8,944	88	B2-U2-G2	9,355	91	B2-U2-G2	9,301	91	B2-U2-G2
TVPR-48-G1-S-730	48	530	3000	81	8,632	102	B2-U2-G2	8,889	106	B2-U2-G2	8,953	106	B2-U2-G2
TVPR-48-G1-S-730	48	700	3000	105	9,261	98	B2-U2-G2	9,517	102	B2-U2-G2	9,587	102	B2-U2-G2
TVPR-16-G1-S-740	16	530	4000	29	3,021	103	B1-U2-G1	3,232	111	B1-U2-G1	3,270	110	B1-U2-G1
TVPR-16-G1-S-740	16	700	4000	39	3,825	99	B1-U2-G1	4,089	108	B1-U2-G1	4,062	105	B1-U2-G1
TVPR-16-G1-S-740	16	900	4000	49	4,693	95	B1-U2-G1	5,008	101	B1-U2-G1	4,984	101	B1-U2-G1
TVPR-16-G1-S-740	16	1050	4000	58	5,250	92	B1-U2-G1	5,565	97	B1-U2-G1	5,547	97	B1-U2-G1
TVPR-32-G1-S-740	32	530	4000	54	3,595	105	B1-U2-G1	3,789	114	B1-U2-G1	3,809	114	B1-U2-G1
TVPR-32-G1-S-740	32	700	4000	71	7,467	105	B2-U2-G2	7,775	108	B1-U2-G2	7,787	107	B1-U2-G2
TVPR-32-G1-S-740	32	800	4000	81	8,303	102	B2-U2-G2	8,652	106	B1-U2-G2	8,666	107	B1-U2-G2
TVPR-32-G1-S-740	32	1050	4000	106	10,138	95	B2-U2-G2	10,688	99	B2-U2-G2	10,686	99	B2-U2-G2
TVPR-48-G1-S-740	48	530	4000	81	8,632	102	B2-U2-G2	8,889	106	B2-U2-G2	8,953	106	B2-U2-G2
TVPR-48-G1-S-740	48	700	4000	105	9,261	98	B2-U2-G2	9,517	102	B2-U2-G2	9,587	102	B2-U2-G2
TVPR-48-G1-S-740	48	900	4000	136	10,319	90	B2-U2-G2	10,768	93	B2-U2-G2	11,005	91	B2-U2-G2
TVPR-48-G1-S-740	48	1050	4000	166	11,498	87	B2-U2-G2	11,948	89	B2-U2-G2	12,379	87	B4-U2-G2

TVPC/TVPR TownView

Post top and arm mount luminaire

Specifications (continued)

Driver:

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277, 347 and 480 VAC rated for both application line to line or line to neutral. Class 1 THD of 20% max. Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C). Certified in compliance to UL310 (ULus requirement (dry and damp location)) The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Integrated Features

R7*: Tool less rotatable receptacle with 7 pins enabling dimming and additional functionality (to be determined), can be used with a twist lock Interact City node or photoelectric cell or a shorting cap.

SP1: Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA.

SP2: Optional 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

NEMA Labels: Installed NEMA label, ANSI C136.19-2015 compliant. Consult factory for other labeling needs.

Please note that these integrated features always come with the luminaire.

* Use of photoelectric cell or shorting cap is required to ensure proper illumination.

Driver and Luminaire Options

Dimming Options:

DA: 4 Hrs 25% reduction

DB: 4 Hrs 50% reduction

DC: 4 Hrs 75% reduction

DD: 6 Hrs 25% reduction

DE: 6 Hrs 50% reduction

DF: 6 Hrs 75% reduction

DG: 8 Hrs 25% reduction

DH: 8 Hrs 50% reduction

DJ: 8 Hrs 75% reduction

DL: Pre-set driver compatible with the DALI control system. Logarithmic standard

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle and bottom TLRSR receptacle, if this option included/ chosen. This configuration is compatible with Interact City controllers.

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

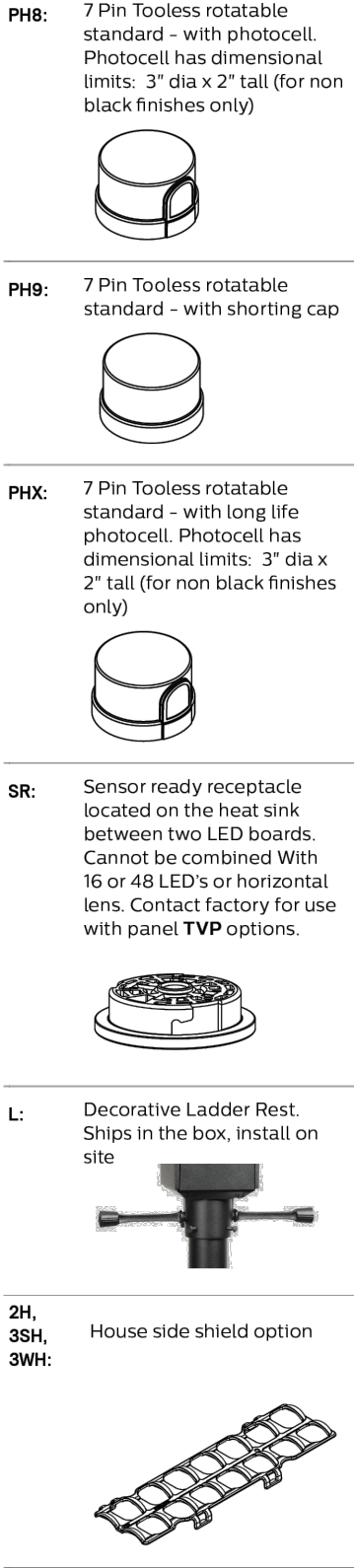
OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

FAWS: Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details.

Note: It is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.

DALI: Pre-set driver compatible with DALI control system.

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle. SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.



TVPC/TVPR TownView

Post top and arm mount luminaire

Specifications (continued)

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT s10 thermal testing in accordance with UL1598 and UL8750. System Reliability Tool, Philips Advance data and LED manufacturer LM-80/TM-21 data, expected to reach 100,000 + hours (72W32LED and 108W48LED at 700mA) or 94,500 hours (108W32LED and 160W48LED at 1050mA) with >170 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion.

Wiring

18AWG wire, 6" (15mm) minimum extending from luminaire.

Optional Terminal block

Terminal block connector 600V, 85A for use with #14-2 AWG wires from the primary circuit, located inside the housing. Due to the inrush current that occurs with electronic drivers, recommend using a 10Amp time-delay fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses. Fuses and holders by others or consult factory

Hardware

All non-ferrous fasteners prevent corrosion and ensure longer life. All seals and sealing devices are made and/or lined with EPDM silicone rubber.

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

BKS: Black Smooth

WHS: White Smooth

BZS: Bronze Smooth

GNS: Green Smooth

BK: Black Texture

WH: White Texture

BZ: Bronze Texture

GN: Green Texture

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards to eliminate ESD events that could decrease the useful life of the product.

Vibration Resistance

S2, S3, S4 Fitter and A Arm Mount Meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications (Tested for 3G over 100,000 cycles).



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REVISIONS:		Date	
No.	Description	Rev.	Per Town Comments
2		10/24/2024	
3		11/11/2024	
4		3/20/2025	
5		4/16/2025	
6		5/13/2025	
7		5/23/2025	



TOWN OF AMHERST APPROVAL BOX:

DRAWING NAME:

Lighting Details

Date: 01/29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

C-409

Project No: 20.247