

Hartford Design Review Committee
May 30, 2024
Meeting Notice and Agenda

The Hartford Design Review Committee will meet on Thursday, May 30, 2024, beginning at 5:00 P.M. to consider the following Application and Administrative Matters.

This meeting will be conducted in person at Hartford Town Hall, 171 Bridge Street, White River Junction, Vermont. In addition, you may join the meeting remotely as follows:

Microsoft Teams
Join the meeting now
Meeting ID: 283 889 641 471
Passcode: 8HQmWn
Dial in by phone
+1 802-377-3677,,195176916#
1 802 377 3677
Phone conference ID: 195 176 916#

If you cannot access this meeting notice electronically or if you are having difficulty connecting to the meeting, please email Jo-Ann Ells at jells@hartford-vt.org

Application

1. Application by the State of Vermont for Design Review Approval for additions and exterior improvements to the Windsor District Court lot 46-0024-001, 82 Railroad Row, White River Junction, in CB and Design Review Districts.

Administrative Matters

1. Minutes of October 26, 2023

Information is available for review at the Department of Planning & Development Services, Hartford Town Hall, 171 Bridge Street, Room 205, WRJ (802) 295-3075 or by emailing Zoning Administrator, Jo-Ann Ells, jells@hartford-vt.org

DRAFT
Meeting Minutes
Hartford WRJ Design Review Committee
October 26, 2023

Present: Denise Welch-May, Jonathan Schechtman, Larson Burns, Anita Hamalainen, Sara Ferguson, Kim Souza, Selectboard Liaison, and Jo-Ann Ells, Zoning Administrator

Denise opened the meeting by reading the hybrid meeting script and taking a roll call.

Application

1. Application by Northern Stage Company for Design Review Approval for Multi-Unit Dwellings in three buildings, lots 45-0150-000, 45-0151-000, and 45-0152-000, 140, 146, 160 and 178 Gates Street, White River Junction, in CB and Design Review Districts.

Jason Smoller, Managing Director, Northern Stage, Jim Pulver, Breadload Corp., and James Lynch, Northern Stage Board of Directors, were present.

Jason introduced himself and explained that the project is a revised, smaller project than submitted in 2022 and will provide artist and staff housing for Northern Stage.

The applicant presented a video depicting the proposed project.

Jim revised plan sheet L1.1. He noted that people living on-site would likely walk to Northern Stage. He reviewed the proposed pocket park/courtyard and noted that the layout was chosen to provide maximum light in the dwelling units. He explained that there would be 18 units total, and the number of units and bedrooms would vary in each building.

Jim reviewed examples of the siding colors (paint and siding materials) and noted that the digital renderings did not represent the colors very well. He provided an example of the color of the siding on the multi-unit dwelling to the west, an example of the proposed roofing shingles, and stated that the windows would be white, and the entrance doors would be natural (stained) wood.

Jonathan asked if the roof overhang was adequate to protect the siding from snow and ice. Jim confirmed the overhang was adequate and noted he was trying to avoid the use of gutters.

Jonathan stated that he was impressed with the layout and commented that it looks similar to a colonial village.

Denise commented that she appreciated that the applicant responded to comments from the Committee's informal review.

Jim reviewed the lighting plan.

Jim explained the need to remove the existing garage and noted that the demolition was proposed and approved in 2022. He added that the dwelling at 178 Gates Street was also proposed to be removed, but was not a contributing structure in the historic district.

Jim reviewed the proposed landscaping plan.

There was general agreement from the Committee that they would like to see more color, and bolder colors used on the buildings. Anita suggested altering the proposed accent and field colors. Denise suggested considering two-tones in a top/bottom application similar to 87/101 Maple Street. It was noted that while the colors of the buildings are exempt from Design Review, the conversation was still valuable.

All agreed that they support the project, but would like to applicant to consider the comments regarding the color choices.

Jonathan moved to approve the application as presented. Denise seconded, and the motion passed unanimously.

Administrative Matters

Sara moved to approve the minutes of March 30, 2023. Larson seconded, and the motion passed.

Denise moved to approve the minutes of July 13, 2023. Jonathan seconded, and the motion passed.

Jonahtan moved to approve the minutes of October 5, 2023 with one correction. Anita seconded, and the motion passed.

At 6:10PM, Larson moved to adjourn the meeting. Sara seconded, and the meeting was adjourned.

Members of the Design Review Committee are as follows:

Chair, Denise Welch-May 04-19-24
Vice Chair, Jonathan Schechtman 03-07-25
Sara Ferguson 10-04-24
Anita Hamalainen 11-15-24
Larson Burns 08-22-25



Town of Hartford

 Planning Commission App # _____
 Zoning Board of Adjustment App # _____

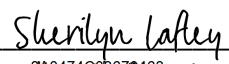
APPLICATION TO PLANNING COMMISSION &/OR ZONING BOARD OF ADJUSTMENT

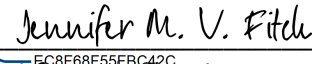
PLEASE COMPLETE ALL ITEMS APPLICABLE AND PROVIDE THE CORRECT NUMBER OF COPIES OF THIS APPLICATION AND THE SITE PLAN OR SUBDIVISION PLAT. ABUTTING LANDOWNERS WILL BE NOTIFIED BY THE PLANNING/ZONING OFFICE.

1. **NAME & ADDRESS OF RECORD OWNER(S)** Buildings and General Services, State of Vermont
133 State Street, 5th Floor, Montpelier, VT 05633-5801
 Deed Recorded Book 144 Page 111-114 (Available at Town Clerk's Office)
 Telephone: Work _____ Cell 802-505-0681 Email Address: sherilyn.lafley@vermont.gov
2. **NAME & ADDRESS OF APPLICANTS(S)** Sherilyn Lafley, Buildings and General Services, State of Vermont
133 State Street, 5th Floor, Montpelier, VT 05633-5801
 Telephone: Work _____ Cell 802-505-0681 Email Address: sherilyn.lafley@vermont.gov
3. **NAME & ADDRESS OF APPLICANTS' CONSULTANT** Wiemann Lamphere Architects / Engineering Ventures PC
38 Eastwood Drive, Suite 301, South Burlington, VT 05403 / 208 Flynn Ave., Burlington, VT 05401
 Telephone: Work 802-655-5020 / 802-863-6225 Cell _____ Email Address: droy@wiemannlamphere.com / paulb@engineering
4. **PROJECT LOCATION** 82 Railroad Row
5. **PRESENT USE OF PROPERTY** Public Facility
6. **BRIEFLY DESCRIBE PROJECT** (in addition, a detailed narrative must be submitted)
HVAC Replacement, two small additions, site work, and energy upgrades.
7. **PROJECT SIZE IN SQ. FT OR ACREAGE** 35,000
 Lot Width 360' Lot Depth 214
8. **IS PROJECT ON TOWN WATER/SEWER?** Yes X No X If Yes, estimated
 Water Consumption/day 1,215 Amount of Sewer Flow Projected 1,215
 Size of Closest Lines Above (water) 6" (sewer) 6"
9. **DESCRIBE LANDSCAPING PLAN** N/A
10. **IF A BUSINESS** - Present # of Employees _____
 Proposed Days & Hours of Operation _____
 Will you use the landfill & recycling center? Yes _____ No _____
 The main waste by-product of your business is: _____

11. **IF A RESTAURANT** - Present seating _____ Proposed _____
12. **PARKING SPACES** - Number to be provided _____
13. **SIGNAGE** - Free Standing N/A Attached N/A
14. **FENCING** – Location N/A Height _____
15. **NEAREST WATER SUPPLY FOR FIRE PROTECTION** Existing fire hydrant located NW of the building
16. **ESTIMATED VALUE OF PROPOSED WORK** 7,500,000.00
17. **IS THERE AN EXISTING DRIVEWAY?** Yes
18. **IF A SUBDIVISION** - Number of New Lots to be Created _____
- Do you request that the Town consider taking over maintenance of – Roads _____
- Or Park/Open Space _____

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. (This certification must be signed by lot owners and applicants).

DocuSigned by:

 Applicant's Signature _____
 Date 5/17/2024

DocuSigned by:

 Lot Owner's Signature _____
 Date 5/17/2024

 Co-Applicant's Signature _____
 Date _____

 Co-Owner's Signature _____
 Date _____

The applicant retains the obligation to identify, apply for, and obtain any relevant local or state permits before any construction may commence. Please call 802-282-6488 to speak with the State Permit Specialist.

For Office Use Only		
Map/Lot #		
Fee Paid \$:		Receipt #:
PC: Site Plan	Min. Sub.	Maj. Sub.
PD	PD Amend.	Other
ZBA: Conditional Use	Variance	Appeal
Other		
Zoning District (s)		Date Filed:
Official Submittal Date:		

Department of Buildings and General Services
Design and Construction Division
133 State Street, 5th Floor
Montpelier, VT 05633-5801

Agency of Administration

[phone] 802-828-3519

May 20, 2024

Town of Hartford
171 Bridge Street
White River Junction, VT 05001

Attn: Jo-Ann Ells, Zoning Administrator

Re: Windsor District Court Renovation, 82 Railroad Row

Dear Ms. Ells:

I appreciated your assistance at our meeting on May 6, 2024, which allowed our project team to introduce themselves and to discuss the proposed Windsor District Court Renovation project at 82 Railroad Row.

Wiemann Lamphere Architects is the firm under contract with the Department of Buildings and General Services and is assisting with the design, permitting, and construction of the project.

The Windsor District Court Renovation project will consist of the following:

1. Energy improvements to comply with present day energy code: new roofs, windows, doors and replace the existing brick siding, with terracotta tile, to correct the water infiltration issues and increase the insulation value.
2. Replace the heating, ventilation and air conditioning systems: replace the oil-fired boilers with wood pellet boilers, with an exterior silo on the rear of the building, replacement of the rooftop chiller and air handlers in the building.
3. Construct two new entrances: The front entrance is being increased for additional security screening of the public. The side entrance creates a secure vestibule and additional office space.
4. Site work: replace the existing sidewalks to improve accessibility, heated walks at the new entrances to limit the use of salt. The addition of three electric vehicle parking spaces. Correct stormwater issues for better draining of the parking lot.



For the Planning Commission meeting I have enclosed the following:

1. State of Vermont 895680 made out in the amount of \$220.00 to the Hartford Town Treasurer
2. Planning Commission and Zoning Board of Adjustment application for the referenced project and property
3. Drawings
 - A. C1.1 Existing Conditions and Demolition Plan
 - B. C2.1 Site Utility and Layout Plan
 - C. C2.2 Grading Plan
 - D. C3.1 Site Details
 - E. C3.2 Sidewalk and Curb Details
 - F. C3.3 Stormwater Details
 - G. C3.4 Water Details
 - H. C3.5 EPSC Details
 - I. A1.01 Level 1 Floor Plan
 - J. A1.02 Level 2 Floor Plan
 - K. A2.01 Exterior Elevations
 - L. A2.02 Exterior Elevations
 - M. E3 Electrical Site Plan

For your information and pursuant to State law, the Town's review of this project is limited to the specific aspects as set forth in 24 V.S.A. § 4413 (a)(1) which states:

" The following uses may only be regulated with respect to location, size, height, building, bulk, yards, courts, setbacks, density of buildings, off-street parking, loading facilities, traffic, noise, lighting, landscaping and screening requirements, and only to the extent that regulations do not have the effect of interfering with the intended functional use."

The Vermont Department of Public Safety, Division of Fire Safety (DFS), has entered into cooperative inspection agreements with the Town of Hartford; however, this agreement does not apply to state owned buildings (for which DFS retains jurisdiction). DFS will perform all inspections and issue a Certificate of Occupancy.

That said, we encourage you to bring forward any urgent concerns you may have for discussion. The State of Vermont strives to be a good neighbor and we are committed to arriving at mutually agreeable solutions to any areas of difference.

While the State is not subject to local permitting fees, we are aware of permitting expenses incurred locally and have enclosed a \$220.00 application fee. Please note that this payment does not constitute a waiver of the State's exemption from permitting fees and any remaining provision of the Town's fee schedule would be inapplicable.

I look forward to presenting this project to you and the Planning Commission. Should you have any questions or concerns before then, please do not hesitate to contact me at Sherilyn.lafley@vermont.gov or 802-505-0681.

Sincerely,

A handwritten signature in black ink that reads "Sherilyn Lafley". The script is fluid and cursive, with the first name and last name clearly legible.

Sherilyn Lafley,
Project Manager

Copy: Joe Aja, Director of Design and Construction Division
Lauren Washburn, Program Chief of Design and Construction Division

Department of Buildings and General Services
Design and Construction Division
133 State Street, 5th Floor
Montpelier, VT 05633-5801

Agency of Administration

[phone] 802-828-3519

May 21, 2024

Town of Hartford
171 Bridge Street
White River Junction, VT 05001

Attn: Jo-Ann Ells, Zoning Administrator

Re: Windsor District Court Renovation, 82 Railroad Row

Dear Ms. Ells,

Below is the information relating to section 260-46 Design Review District as requested for the proposed Windsor District Court Renovation project at 82 Railroad Row.

(9) **Application requirements.** In addition to the submittal requirements of § 260-45, any application for construction, reconstruction, alteration, or demolition of any building in the Downtown White River Junction Design Review District shall include the following:

(a) Narrative describing the project:

The Windsor District Court Renovation project will consist of the following:

1. Energy improvements to comply with present day energy code: new roofs, windows, doors, and replace the existing brick with ceramic tile to correct water infiltration issues and increase the insulation value.

2. Replace the heating, ventilation, and air conditioning systems: replace the oil-fired boilers with wood pellet boilers, with an exterior silo on the rear of the building, replacement of the rooftop chiller and air handlers in the building.

3. Construct two new entrances: The front entrance is being increased for additional security screening of the public. The side entrance creates a secure vestibule and additional office space.

4. Site work: replace the existing sidewalks to improve accessibility, heated walks at the new entrances to limit the use of salt. The addition of three electric vehicle parking spaces. Correct stormwater issues for better draining of the parking lot.



(b) Description of materials to be used on the exterior of the building;

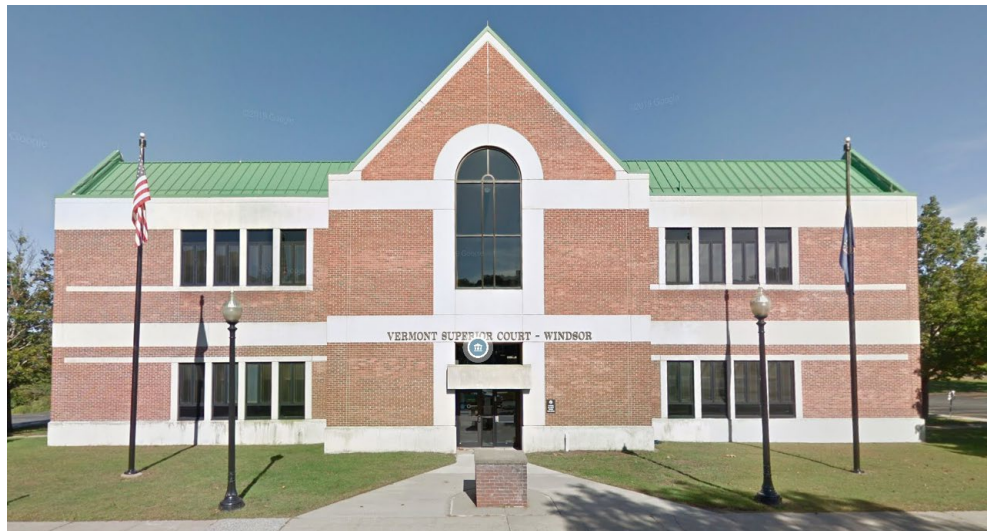
N/A under 24 V.S.A. § 4413

(c) Proposed architectural elevations (prepared by an architect registered in the State of Vermont) showing door and window types, shutters and other exterior details;

This was included in the application to planning commission &/or zoning board of adjustment.

(d) Color photographs of the subject building;

Existing Photos:





Renderings are attached separately.

- (e) Color photographs of existing buildings on adjacent or nearby properties to illustrate the existing streetscape;







(f) Site plan; and

This was included with the application to planning commission &/or zoning board of adjustment.

(g) Any additional information which may be requested by the DRC or the Planning Commission as necessary for a clear understanding of the proposal, including scale models or other three-dimensional analyses.

Nothing additional to include.

(10) **Diversity of design.** These regulations recognize the value of diversity in design solutions based on a wide variety of architectural styles and design philosophies, without imposing a particular aesthetic value or prohibiting the introduction of new forms into the built environment, provided these are consistent with the intent of this district.

N/A under 24 V.S.A. § 4413

(11) **Design criteria.** In making a determination on an application, the Design Review Committee and Planning Commission shall give consideration to the White River

Junction Design Plan and White River Junction Design Guidelines and the following criteria:

(a) The way in which the project preserves and/or enhances the integrity of the historic architecture of the downtown and the specific buildings.

N/A under 24 V.S.A. § 4413

(b) The way in which the project uses historically appropriate or compatible materials where possible in rehabilitation and new construction projects.

N/A under 24 V.S.A. § 4413

(c) The way in which the project respects existing setbacks, scale and massing when developing a new building or addition.

N/A under 24 V.S.A. § 4413

(d) The way in which the project employs appropriate lighting patterns and levels that reflect use, safety and security.

Minor changes in lighting due to realignment of the existing light poles to account for the addition.

(e) The way in which the project implements streetscape elements on a building-by-building basis.

N/A under 24 V.S.A. § 4413

(f) The way in which the project preserves the landscape, including existing terrain, trees and vegetation to the extent feasible.

No change, except for replacement of an invasive species with a non-invasive species.

(g) The way in which the project promotes accessibility and rear access from parking areas to commercial buildings.

No proposed changes.

(h) The way in which the project provides efficient and effective vehicular and pedestrian circulation.

No proposed changes.

(i) The way in which the details being proposed for the building, including window, door, and trim, are compatible with the existing and adjacent buildings' historic and design qualities.

N/A under 24 V.S.A. § 4413

Sincerely,



Sherilyn Lafley,
Project Manager

Copy: Joe Aja, Director of Design Construction Division
Lauren Washburn, Program Chief of Design and Construction Division

SURVEY NOTES

- EXISTING PHYSICAL FEATURES AND TOPOGRAPHY SHOWN HERE ARE BASED ON A SURVEY PERFORMED BY LATITUDES LAND SURVEYING IN AUGUST 2023.
- SITE FEATURES SHOWN SOUTH OF RAILROAD ROW EXTEND BEYOND TOPOGRAPHIC SURVEY.
- PROPERTY LINES ARE APPROXIMATE AND BASED ON A PLAN TITLED "BOSTON AND MAINE CORPORATION TO BYRON HATHORN" BY BRUNO ASSOCIATES DATED 10/25/94.
- NORTH ORIENTATION IS REFERENCED TO APPROXIMATE VERMONT GRID NORTH.

GENERAL NOTES

- UTILITIES SHOWN MAY NOT FULLY REPRESENT ALL UTILITES OR THEIR LOCATIONS WITHIN THE WORK AREA. CONTRACTOR TO OBTAIN A VALID DIG-SAFE TICKET PRIOR TO BEGINNING EXCAVATION WORK AND ENGAGE A PRIVATE UTILITY LOCATOR TO MARK ANY UNDERGROUND UTILITIES NOT COVERED BY DIG-SAFE. REPORT ANY DISCREPANCIES PROMPTLY TO THE ENGINEER.
- UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATION UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES. ALL DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. SITE CONTRACTOR SHALL CALL UTILITY LOCATOR SERVICE AND UTILITY OWNERS 72 HOURS, EXCLUSIVE OF WEEKENDS AND HOLIDAYS, PRIOR TO ANY DIGGING, DRILLING, OR BLASTING.
 - DIG SAFE (TEL: #811)
 - NON DIG SAFE MEMBER FACILITY OPERATORS IF KNOWN. A LIST OF DIG SAFE MEMBERS BY STATE CAN BE FOUND ON THE DIG SAFE WEB SITE WWW.DIGSAFE.COM
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL FROM THE ENGINEER.
- THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
- THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
- THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, AND CERTIFICATES UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR WILL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A VERMONT STATE LICENSED LAND SURVEYOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE WORK WITH ALL CONTRACTS FOR THE SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- MAINTAIN FLOW FOR ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE.
- ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND IMPERVIOUS SURFACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION, MONITORING, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES AND TAKING PRECAUTIONARY STEPS TO AVOID ANY SEDIMENT TRANSFER TO NEIGHBORING SITES OR WATERS OF THE STATE.
- ALL EXCAVATION WORK AND SOIL HANDLING MUST COMPLY WITH THE SOILS MANAGEMENT PLAN.

DEMOLITION NOTES

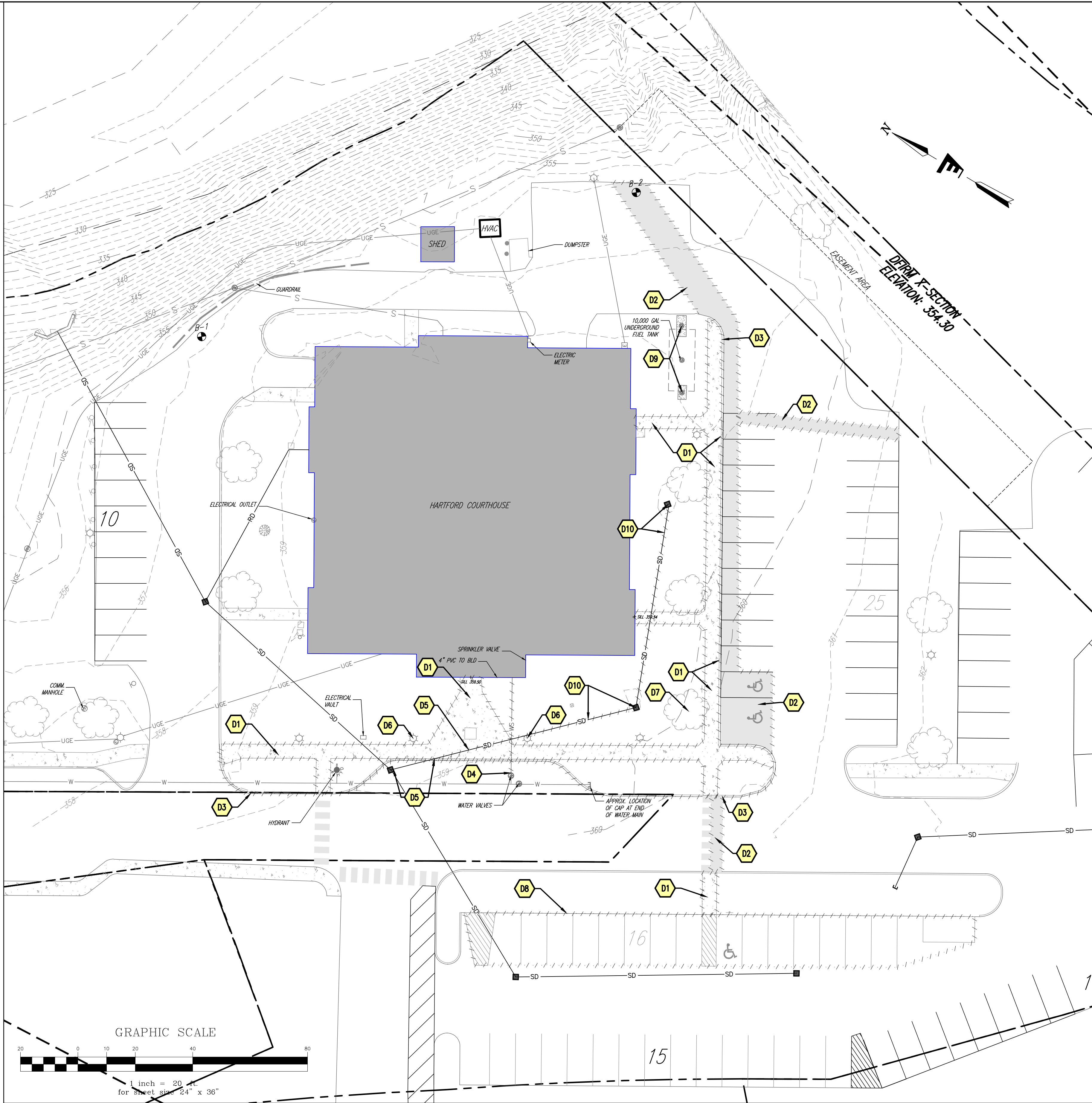
- PRIOR TO DEMOLITION, THE CONTRACTOR SHALL CONVENE A MEETING WITH THE PROJECT OWNER, PROJECT ENGINEER, OWNER AND LESSEES, CONTRACTOR AND REPRESENTATIVES TO REVIEW LIMITS AND SCHEDULE OF DEMOLITION AND CONSTRUCTION AND TO ENSURE CONTINUED ACCESS AND UTILITY SERVICE TO ADJACENT RESIDENTS.
- ALL DEMOLITION ITEMS FROM THE DEMOLITION, UNLESS NOTED BY THE OWNER TO BE STORED OR REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. EXCESS OR UNSUITABLE SOIL SHALL BE REMOVED FROM THE SITE. PROJECT CONTRACTOR TO PROVIDE LIST FOR OWNER'S REVIEW FOR SALVAGED EQUIPMENT ETC. FOR OWNER TO RECLAIM.
- ALL ADJACENT FACILITIES AND STRUCTURES NOT INDICATED AS INCLUDED IN THE SCOPE OF WORK SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING OR REPLACING ALL ADJACENT FACILITIES OR STRUCTURES DAMAGED DURING CONSTRUCTION TO PRE-CONSTRUCTION CONDITION OR BETTER.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK AREA NOT ONLY DURING DEMOLITION PROCEDURES, BUT FOR THE DURATION OF CONSTRUCTION.
- PRIOR TO DEMOLITION, HAND EXCAVATE ANY UNDERGROUND UTILITIES. NOTIFY THE OWNER IF ANY OTHER UTILITIES NOT NOTED ON THE DRAWINGS ARE FOUND.
- CARE SHALL BE TAKEN NOT TO DAMAGE OR DISTURB ANY TREES AND SITE LIGHTING NOT INDICATED FOR REMOVAL DURING CONSTRUCTION.
- ALL EXISTING UTILITIES, FENCING AND SITE FEATURES SHOWN WITH CROSS HATCHING (- / / / / -) ARE TO BE REMOVED (MH, CB, PIPE, ETC).
- SEED AND MULCH ALL RESULTING DISTURBED AREAS IN ACCORDANCE WITH THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN WHERE NO WORK IS ANTICIPATED WITHIN 48 HOURS.
- REFER TO DEMOLITION SPECIFICATIONS AND BID INSTRUCTIONS FOR SALVAGE AND ADDITIONAL WORK ITEMS. CONTRACTOR SHALL COORDINATE PHASING AND DEMOLITION OF THOSE ITEMS WITH OTHER TRADES.
- CONTRACTOR TO CONFIRM WATER VALVE FUNCTION WITH PUBLIC WORKS PRIOR TO BEGINNING EXCAVATION WORK.

DEMOLITION SCHEDULE

- D1** REMOVE EXISTING CONCRETE SIDEWALK AND ADJACENT CURBING WHERE PRESENT
- D2** SAWCUT ASPHALT PAVEMENT, REMOVE GRAVEL BASE MATERIAL
- D3** REMOVE EXISTING CONCRETE CURBING
- D4** REMOVE EXISTING 6" D.I. WATER LINE AT EXISTING GATE VALVE. NEW WATER LINE TO UTILIZE EXISTING GATE VALVE AT MAIN CONNECTION. SEE SHEET C2.1 FOR MORE DETAIL
- D5** CAP EXISTING STORMWATER PIPE WITHIN EXCAVATION AREA FOR NEW CURBING. FILL PIPE PENETRATIONS INSIDE CATCH BASIN WITH NON-SHRINK GROUT
- D6** REMOVE EXISTING LAMP POST AND SALVAGE FOR REINSTALLATION PER SHEET C2.1
- D7** REMOVE EXISTING TREE AND STUMP
- D8** EXISTING PARKING MARKINGS TO BE REMOVED AND REMARKED
- D9** FUEL TANK TO BE REMOVED – SEE NOTES BELOW
- D10** REMOVE EXISTING CATCH BASIN AND STORMWATER PIPE

FUEL TANK REMOVAL NOTES

- FUEL TANK REMOVAL TO COMPLY WITH VERMONT UNDERGROUND STORAGE TANK RULES.
- CONTRACTOR TO COORDINATE PLACEMENT OF TEMPORARY TANK AND TRANSFER OF REMAINING FUEL FROM EXISTING UNDERGROUND TANK TO TEMPORARY TANK WITH BGS STAFF.
- CONTRACTOR TO HIRE ENVIRONMENTAL CONSULTANT TO OVERSEE REMOVAL OF EXISTING TANK AND PROVIDE TANK CLOSURE REPORT ACCEPTABLE TO THE VT ANR.
- RELEASE OF HAZARDOUS MATERIALS, INCLUDING FROM SPILLS OR TANK OVERFLOWS, INTO SURFACE OR GROUNDWATER, OR ONTO LAND OF THE STATE IS PROHIBITED.
- ANY RELEASE OF FUEL OR EVIDENCE OF PRIOR RELEASE IS TO BE REPORTED TO THE WASTE MANAGEMENT & PREVENTION DIVISION AT (802) 828-1138 (M-F 4:45 AM TO 4:30 PM) OR THE DEPARTMENT OF PUBLIC SAFETY EMERGENCY MANAGEMENT DIVISION (800) 641-5005, AND AS REQUIRED BY FEDERAL LAW.



LEGEND

EXISTING FEATURES	EXISTING FEATURES	EXISTING FEATURES	EXISTING FEATURES
C/O	MANHOLE	WATER SHUT OFF	WATERCOURSE
CATCH BASIN	STORM MANHOLE	LIGHT POLE	TREE LINE
TAPPING SLEEVE AND VALVE	HYDRANT	UTILITY POWER POLE	FENCE
GATE VALVE		SIGN	CONTOUR
		SPOT ELEVATION	PROPERTY LINE
		TREE	EDGE OF PAVEMENT
		SURVEY POINT	SANITARY SEWER LINE
		HANDICAP SYMBOL	STORM LINE
			WATER LINE
			UNDERGROUD ELECTRIC
			OVERHEAD ELECTRIC
			UNDERGROUD TELEPHONE
			ROOF DRAIN
			FOUNDATION DRAIN
			RIGHT-OF-WAY LINE
			SETBACK

		Stamp
Date		
Description		
No.		
ENGINEERING VENTURES PC 208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-6225 85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333 414 Union Street, Schenectady, NY 12305 • 518-630-9614 www.engineeringventures.com		
Windsor District Court 82 Railroad Row White River Junction, VT 802-295-9865		
Existing Conditions and Demolition Plan Windsor District Court Expansion Project White River Junction, VT		
EV Project #	22548	
Drawn By:	TB	
Checked By:	PB	
Scale:	As Noted	
Date:	5/10/24	
C1.1		

SITE SCHEDULE

- C1** PROPOSED ADDITION – SEE ARCHITECTURAL DRAWINGS
- C2** NEW CONCRETE SIDEWALK – SEE DETAIL 3 SHEET C3.1
SIDEWALK TO BE 6" WIDE ALONG SECTION WITH ADA PARKING AND EV CHARGERS
- C3** PAVEMENT TRENCH PATCH – SEE DETAIL 2 SHEET C3.1
- C4** RELOCATED LAMP POSTS
- C5** LEVEL 2 EV CHARGER TO BE INSTALLED IN SIDEWALK
- C6** RELOCATED AND NEW ADA PARKING AND EV PARKING SIGNS (TYP)
- C7** RESTORE CROSSWALK PATTERN AFTER CONSTRUCTION COMPLETION
- C8** CONCRETE BASE FOR SALLYPORT CARD READER
- C9** 3' X 3' CONCRETE PAD FOR MAILBOX INSTALLATION
- C10** 11"x11" CONCRETE PAD FOR PELLET SILO, SEE STRUCTURAL PLANS FOR DETAILS,
INSTALL BOLLARDS IN LOCATIONS SHOWN ON THIS SHEET
- C11** CONCRETE CURBING
SEE DETAIL 5 SHEET C3.2
- C12** CONCRETE CURBING ALONG SIDEWALK TO BE INTEGRAL CURB AND WALK
SEE DETAIL 6 SHEET C3.2
- C13** MAPLE TREE SAPLING

STORMWATER SCHEDULE

- ST1** 3' I.D. CATCH BASIN
358.8612" INV OUT (ST6): 356.51
- ST2** 31 LF OF 12" HDPE STORM PIPE
- ST3** 4' I.D. CATCH BASIN
RIM: 360.19
12" INV IN (ST2): 355.90
12" INV OUT (ST4): 355.80
- ST4** 74 LF OF 12" HDPE STORM PIPE
- ST5** 3' I.D. CATCH BASIN
RIM: 358.82
12" INV OUT (ST6): 355.98
- ST6** 20 LF OF 12" HDPE STORM PIPE
- ST7** 4' I.D. CATCH BASIN
RIM: 359.60
12" INV IN (ST4): 355.88
12" INV IN (ST6): 355.88
12" INV OUT (ST8): 355.78
- ST8** 62 LF OF 12" HDPE STORM PIPE
- ST9** 4' I.D. CATCH BASIN
RIM: 358.47
12" INV IN (ST8): 355.47
12" INV OUT (ST10): 355.37
- ST10** 83 LF OF 12" HDPE STORM PIPE
- ST11** FLARED END SECTION AT DISCHARGE OF PIPE WITH STABILIZE OUTFALL
APPROX. DISCHARGE ELEV: 354.51
SEE DETAIL 3 SHEET C3.2

WATER SCHEDULE

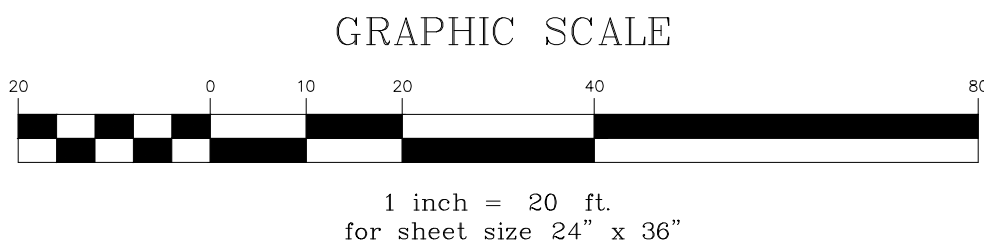
- W1** 6" D.I. WATER LINE. CONNECT TO EXISTING GATE VALVE.
- W2** GEOTHERMAL TEST WELLS, LOCATIONS APPROXIMATE

ELECTRIC SCHEDULE

- E1** CONDUIT FOR 240V SERVICE TO EV CHARGERS
- E2** REROUTE POWER SUPPLY AROUND SILO AND BOLLARDS

MECHANICAL SCHEDULE

- M1** CONCRETE SNOWMELT SYSTEM TO BE INSTALLED IN CONCRETE SIDEWALK
SEE MEP PLANS FOR DETAIL



LEGEND

EXISTING FEATURES

- C/O
- MANHOLE
- CATCH BASIN
- STORM MANHOLE
- TAPPING SLEEVE AND VALVE
- GATE VALVE
- HYDRANT

PROPOSED FEATURES

- C/O
- MANHOLE
- CATCH BASIN
- STORM MANHOLE
- TAPPING SLEEVE AND VALVE
- GATE VALVE
- HYDRANT

EXISTING FEATURES

- WATER SHUT OFF
- LIGHT POLE
- UTILITY POWER POLE
- SIGN
- SPOT ELEVATION
- TREE
- SURVEY POINT
- HANDICAP SYMBOL

PROPOSED FEATURES

- WATER SHUT OFF
- LIGHT POLE
- UTILITY POWER POLE
- SIGN
- SPOT ELEVATION
- TREE
- SURVEY POINT
- HANDICAP SYMBOL

EXISTING FEATURES

- WATERCOURSE
- TREELINE
- FENCE
- CONTOUR
- PROPERTY LINE
- EDGE OF PAVEMENT
- SANITARY SEWER LINE
- STORM LINE

PROPOSED FEATURES

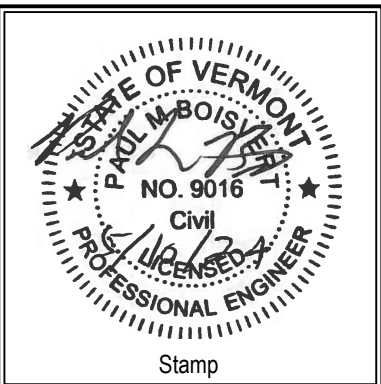
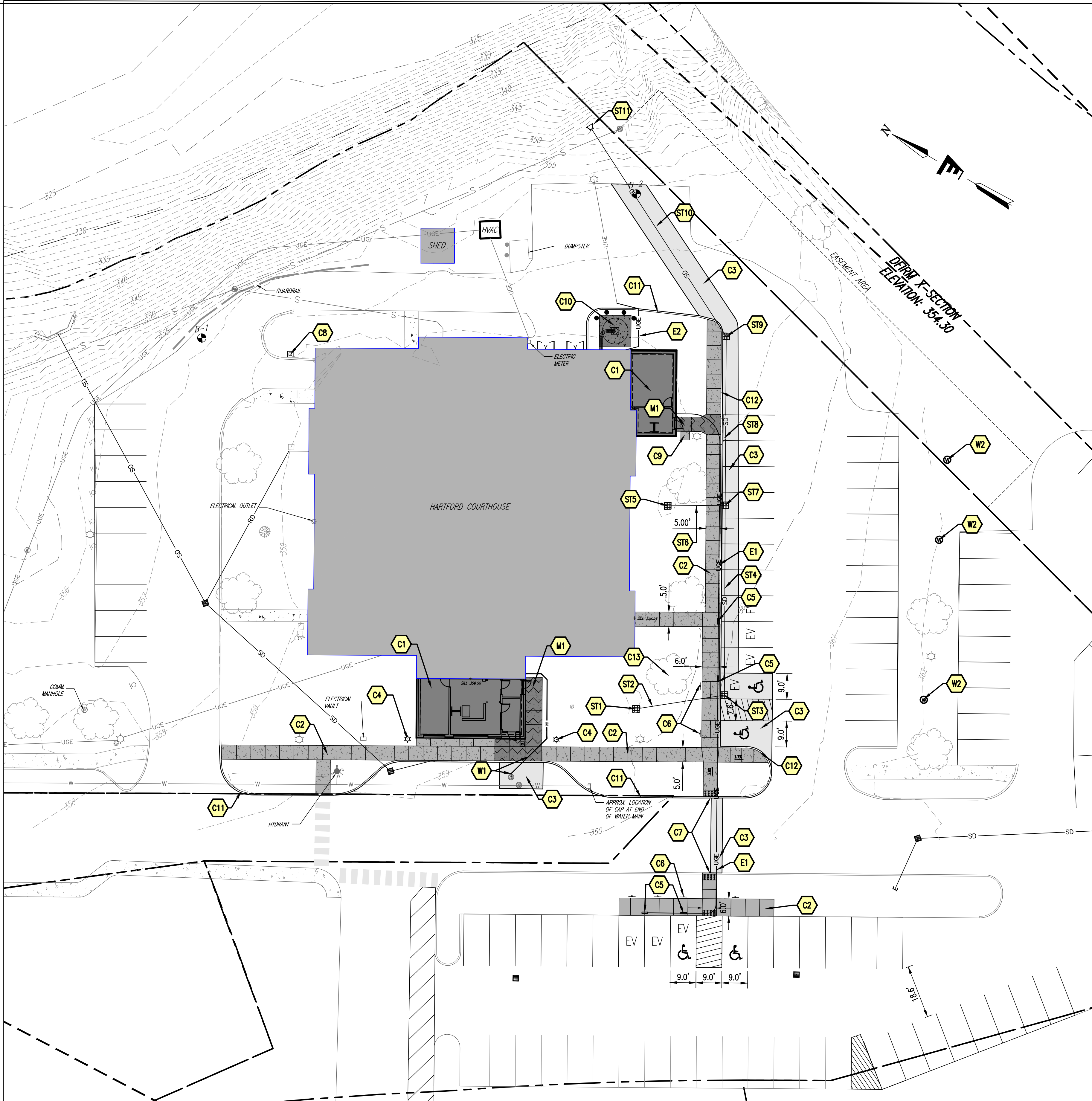
- WATERCOURSE
- TREELINE
- FENCE
- CONTOUR
- PROPERTY LINE
- EDGE OF PAVEMENT
- SANITARY SEWER LINE
- STORM LINE

EXISTING FEATURES

- WATER LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- UNDERGROUND TELEPHONE
- ROOF DRAIN
- FOUNDATION DRAIN
- RIGHT-OF-WAY LINE
- SETBACK

PROPOSED FEATURES

- WATER LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- UNDERGROUND TELEPHONE
- ROOF DRAIN
- FOUNDATION DRAIN
- RIGHT-OF-WAY LINE
- SETBACK



No.	Description	Date

ENGINEERING VENTURES PC

208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-6225
85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333
414 Union Street, Schenectady, NY 12305 • 518-630-9614
www.engineeringventures.com

Windsor District Court
82 Railroad Row
White River Junction, VT
802-295-9865

Site Utility and Layout Plan

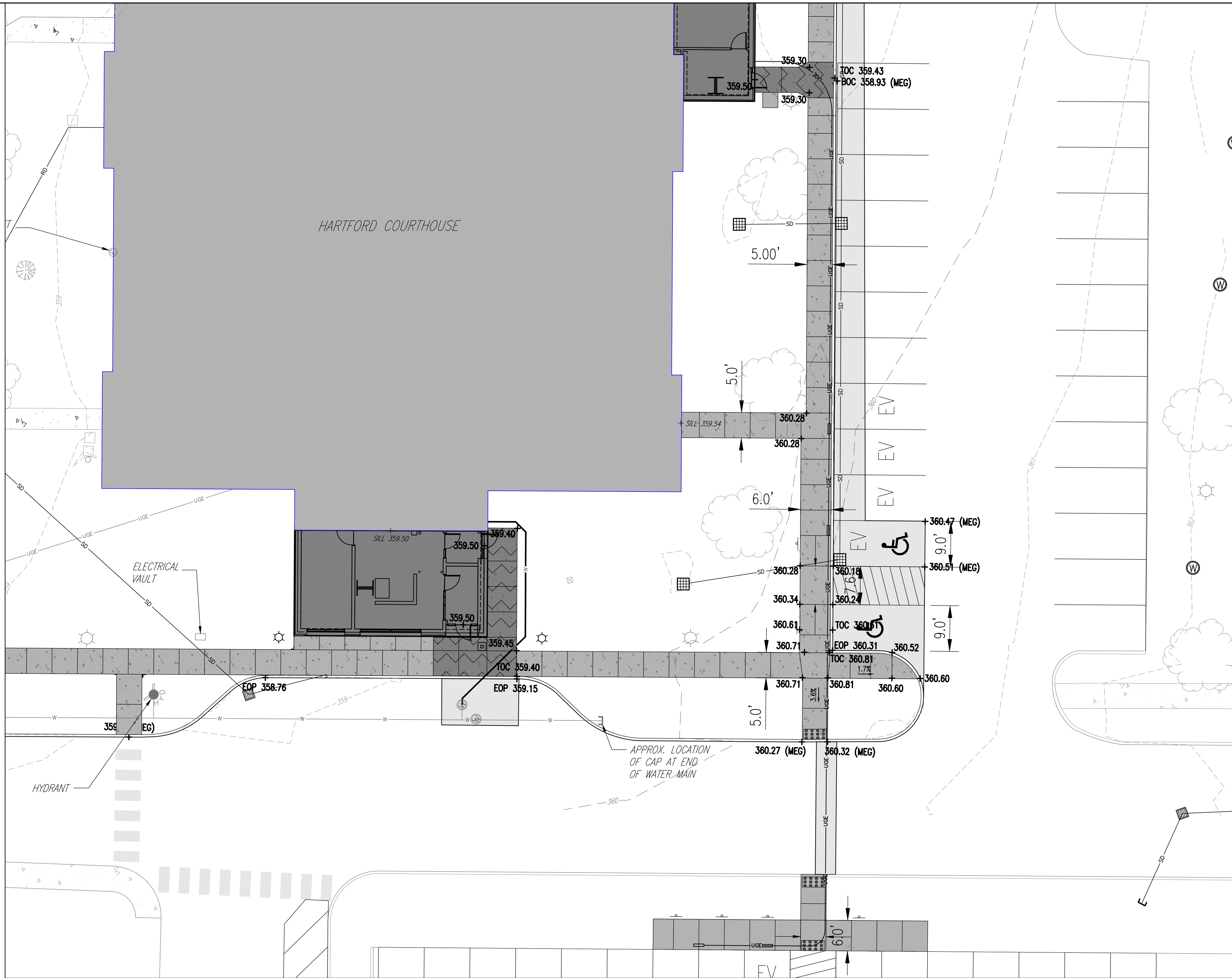
Windsor District Court
Expansion Project
White River Junction, VT

Sheet Title: _____

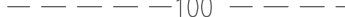
Project Title: _____

EV Project #	22548
Drawn By:	TB
Checked By:	PB
Scale:	As Noted
Date:	5/10/24

C2.1



LEGEND

EXISTING FEATURES		PROPOSED FEATURES		EXISTING FEATURES		PROPOSED FEATURES		EXISTING FEATURES		PROPOSED FEATURES					
	C/O		C/O		WATER SHUT OFF				WATERCOURSE		W	WATER LINE		W	
	MANHOLE				LIGHT POLE				TREELINE			E	UNDERGROUND ELECTRIC		E
	CATCH BASIN				UTILITY POWER POLE				FENCE			OHW	OVERHEAD ELECTRIC		OHW
	STORM MANHOLE				SIGN				CONTOUR			UT	UNDERGROUND TELEPHONE		UT
	TAPPING SLEEVE AND VALVE				SPOT ELEVATION +100.00		+100.5		PROPERTY LINE			RD	ROOF DRAIN		RD
	GATE VALVE				TREE				EDGE OF PAVEMENT			FD	FOUNDATION DRAIN		UD
	HYDRANT				SURVEY POINT				SANITARY SEWER LINE			- - -	RIGHT-OF-WAY LINE		- - -
					HANDICAP SYMBOL				STORM LINE			- - -	SETBACK		- - -

Stamp

[illegible]

**ENGINEERING
VENTURES PC**

208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-8225
85 Mechanic Street, Suite E2.3, Lebanon, NH 03786 • 603-442-8333
414 Union Street, Schenectady, NY 12305 • 518-630-3614
www.engineeringventures.com

Windsor District Court
82 Railroad Row
White River Junction, VT
802-295-8865

Sheet Title:	Grading Plan
Project Title:	Windsor District Court Expansion Project White River Junction, VT

EV Project #	22548
Drawn By:	TB
Checked By:	PB
Scale:	As Noted
Date:	5/10/24

C2.2



1. PLACE A TOOLED JUNT 18" WIDE AND AT LEAST 10" OF THE DEPTH, TYPICALLY AT INTERVALS MATCHING THE SIDEWALK WIDTH, OR AS NOTED ON PLANS (NOT TO EXCEED 10'-0").
2. WHERE THE SIDEWALK IS TO BE REPLACED, THE JUNT SHALL NOT TO EXCEED 20" OF MAX. ALL EXPANSION JOINTS SHALL BE DOWELED WITH A 2" DIAMETER SMOOTH DOWEL AT 12" O.C. DOWEL SHALL BE 15" IN LENGTH AND SHALL HAVE AN EXPANSION CAP INSTALLED AT THE END. SEE DETAIL ON THIS SHEET.
3. FRESH FINISH WITH SMOOTH TROWELED GRAYS. TREAT WITH SILANE-SILOXANE OR EQUAL.
4. CAST-IN-PLACE CONCRETE TO BE 5000 psi. CONCRETE, 5%-7% AIR ENTRAINMENT WITH #4 DEFORMED REBAR AT MINIMUM 12" O.C. IN EACH DIRECTION.
5. WHERE SIDEWALK IS ADJACENT TO ENTRY/EXIT DOOR POADS WITH FROST WALL FOUNDATIONS, SIDEWALK SHALL BE DOWELED TO PAD WITH 24" LONG #4 DOWELS (CENTERED) AT 1'-6" ON (PORTION OF DOWEL IN FOUNDATION TO BE GREASED).
6. WHERE TO PLACE CONCRETE TO CURB, RAIL AND/OR OTHER HARD FEATURE, INSTALL 1/4" EXPANSION FILL (MINIMUM 12" DEPTH OF SIDEWALK), BETWEEN FEATURE AND SIDEWALK.
7. COMPACT ALL FILL MATERIAL TO 95% MODIFIED PROCTOR.

SIDEWALK DETAIL

SCALE: NONE



SCALE: NONE



SCALE: NONE



SCALE: NONE

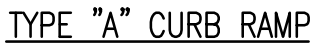
-

CONCRETE CURB DETAIL

SCALE: NONE



SCALE: NONE



TYPE "B" CURB RAMP

Diagram illustrating the cross-section of a **TYPE "C" CURB RAMP**.

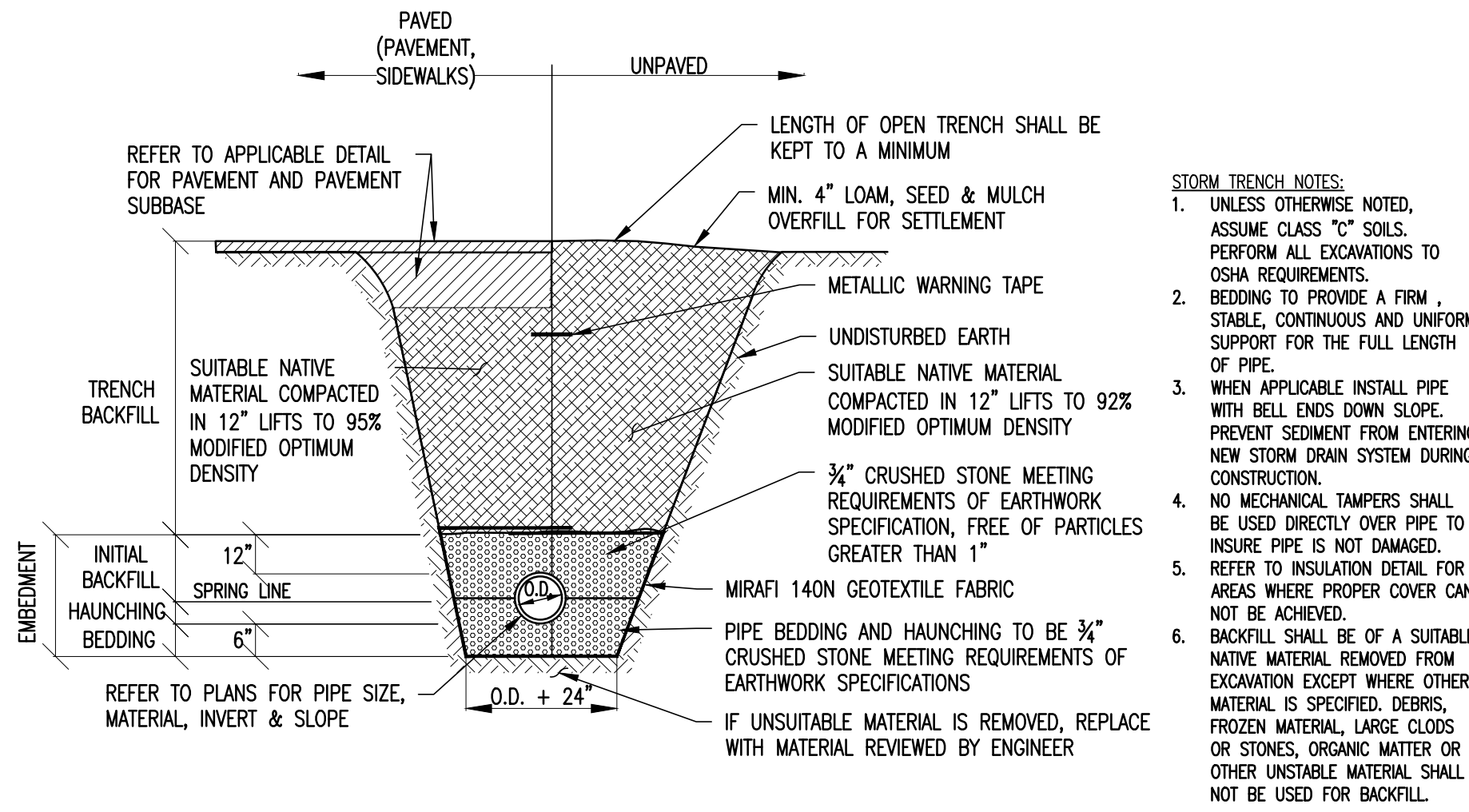
The ramp structure is shown with a **PAVEMENT** surface and a **1:12 MAX** vertical slope. The horizontal run is indicated as **1:10 MAX**. The ramp is flanked by **LANDSCAPED OR LAWN AREA** on the left and **PEDESTRIAN AREA** on the right. The ramp is labeled **FULL HEIGHT** on both sides.

Dimensions and specifications include:

- MINIMUM 5'-0" WIDTH UNLESS DIRECTED OTHERWISE** for the pedestrian area.
- MINIMUM 5'-0" WIDTH UNLESS DIRECTED OTHERWISE** for the landscaped area.
- 2% MAX** slope for the ramp surface.
- 1'-6"** and **6'-0"** horizontal dimensions for the ramp and pedestrian area.

CURB RAMP DETAILS

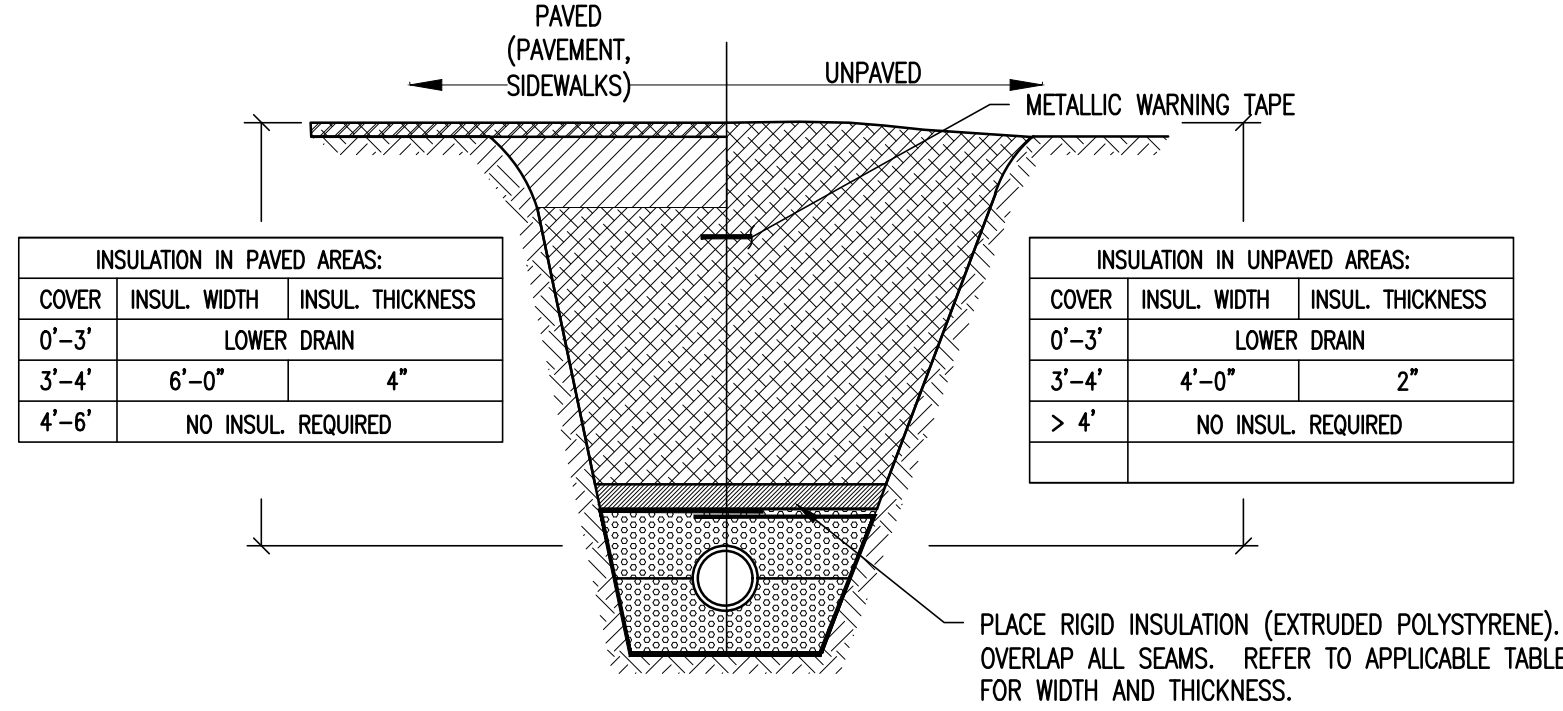
SCALE: NONI



TYPICAL STORM DRAIN TRENCH

SCALE: NONE

1

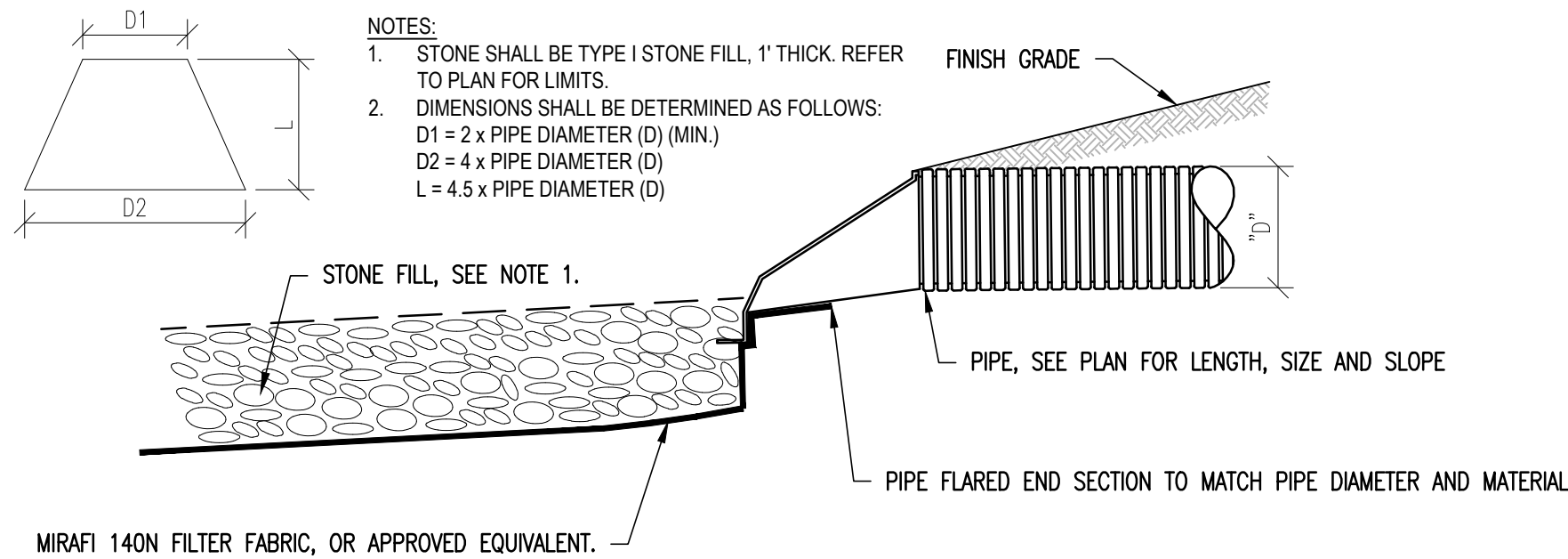


- STORM DRAIN INSULATION NOTES:
- REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.
 - RIGID EXTRUDED POLYSTYRENE INSULATION SHALL CONFORM WITH ASTM C578 - STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE THERMAL INSULATION AND SHALL BE DOW STYROFOAM HIGH LOAD 40 OR EQUIVALENT.

INSULATION OVER SHALLOW DRAIN DETAIL

SCALE: NONE

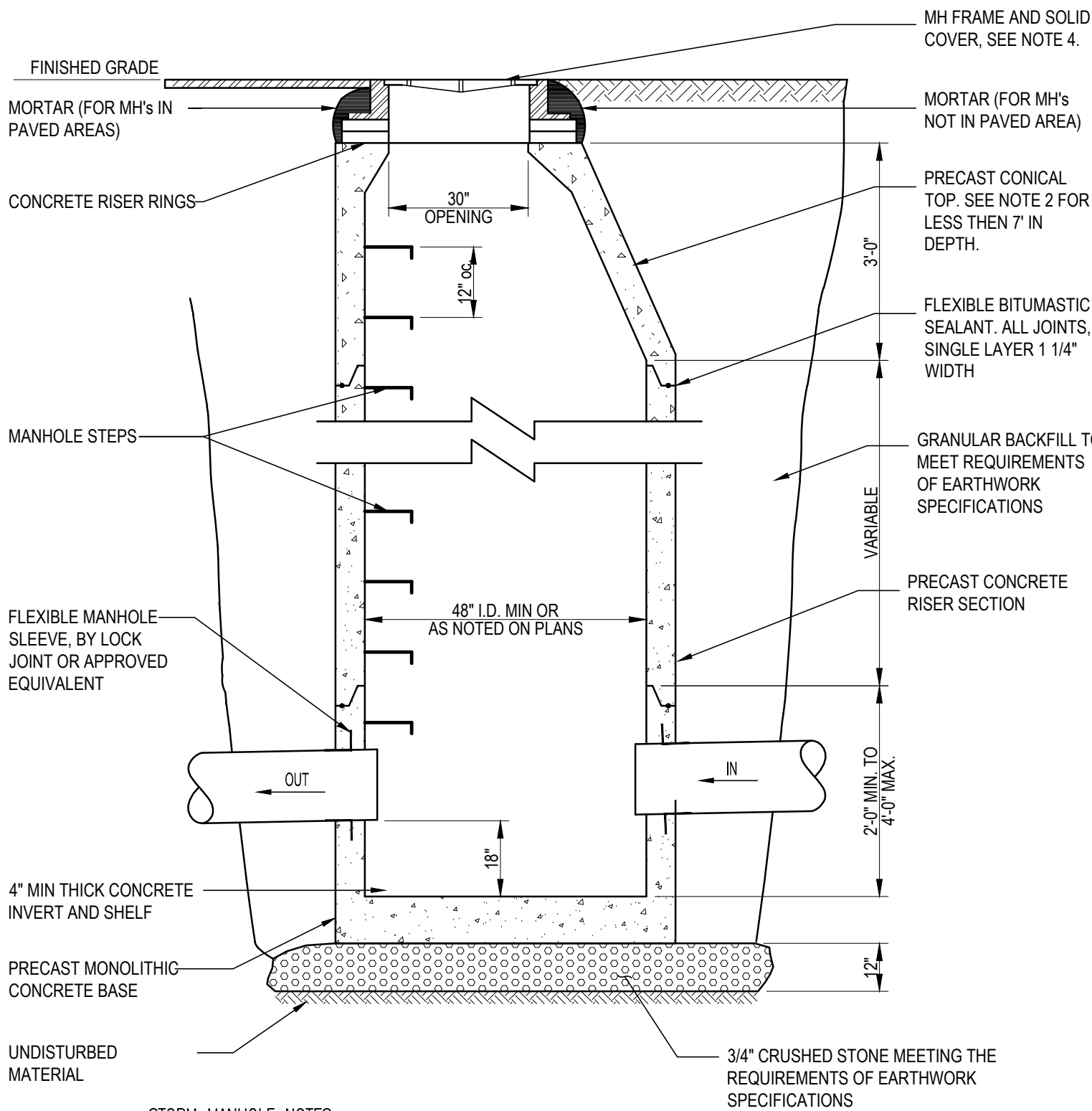
2



FLARED END SECTION W/ STONE APRON

SCALE: NONE

3

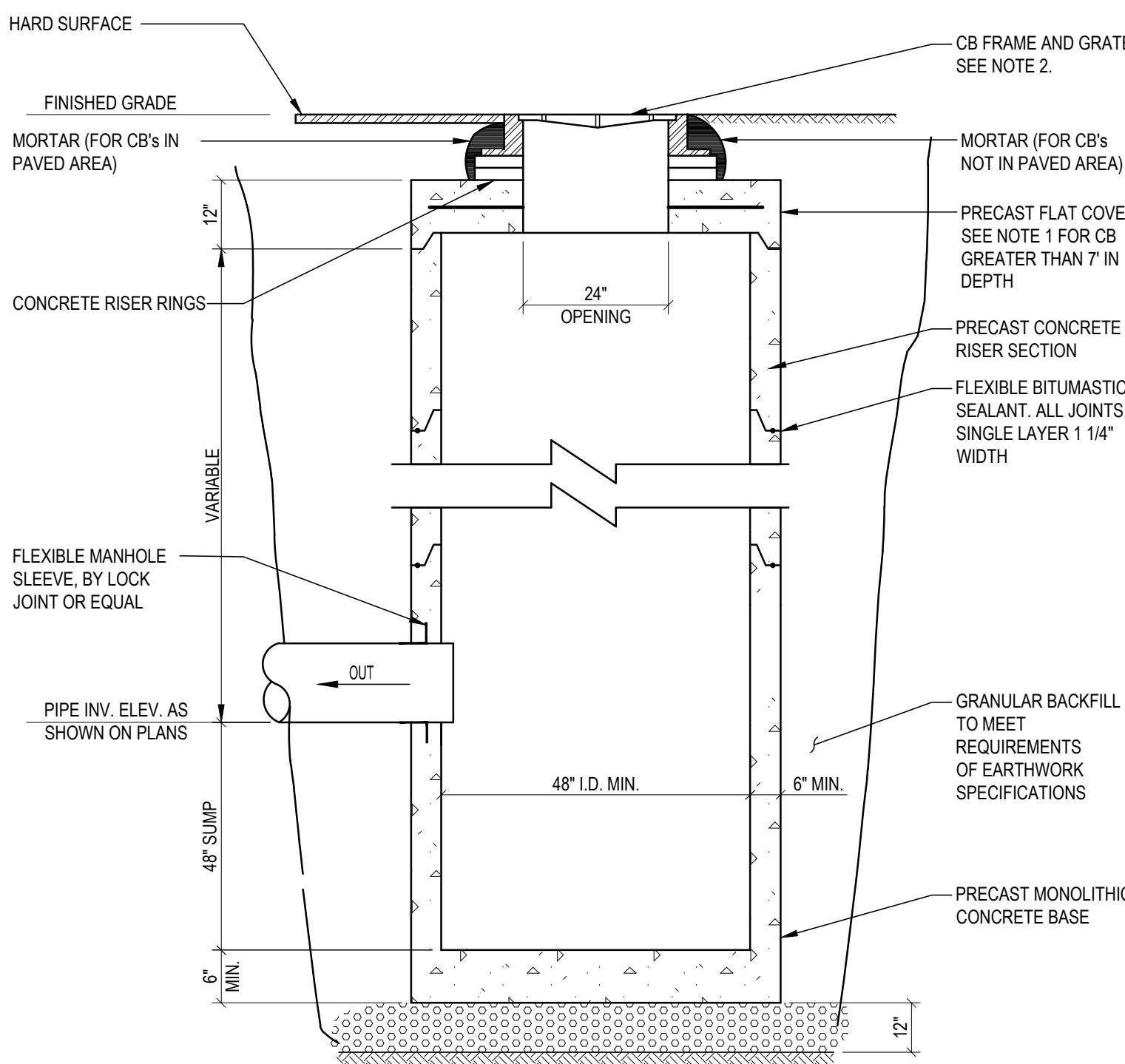


- STORM MANHOLE NOTES
- IF DEPTH OF MANHOLE IS 7 ft. OR LESS FROM RIM TO CENTERLINE INVERT, THEN A FLAT TOP WILL BE INSTALLED. IF DEPTH OF MANHOLE FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 ft., THEN A CONICAL TOP WILL BE INSTALLED.
 - MANHOLE AND COVER SHALL BE DESIGNED FOR H20 LOADING.
 - PROVIDE A NEENAH FOUNDRY R-1564 OR APPROVED EQUIVALENT, CAST THE WORD "STORM" IN TOP COVER
 - MANHOLE SHALL BE PRECAST CONCRETE SUPPLIED BY AN APPROVED MANUFACTURER.

STORM MANHOLE DETAIL

SCALE: NONE

4



- CATCH BASIN NOTES
- IF DEPTH OF CATCH BASIN IS 7 FEET OR LESS FROM RIM TO CENTERLINE INVERT THEN A FLAT TOP WILL BE INSTALLED. IF DEPTH OF CATCH BASIN FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FEET THEN A CONICAL TOP WILL BE INSTALLED.
 - PROVIDE A LEBARON 24"x24" TYPE E OR APPROVED EQUIVALENT. 3 FLANGE GRATE AND FRAME NEXT TO CURBS AND 4 FLANGE GRATE AND FRAME AT ALL OTHER LOCATIONS.
 - CATCH BASIN AND GRATE SHALL BE DESIGNED FOR H20 LOADING.
 - CATCH BASIN SHALL BE PRECAST CONCRETE AS MANUFACTURED BY S.T. GRISWOLD & CO., INC. OR APPROVED EQUIVALENT.

STORM CATCH BASIN DETAIL

SCALE: NONE

5

Stamp

Date	Description	No.

ENGINEERING VENTURES PC

208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-6225
 85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333
 414 Union Street, Schenectady, NY 12305 • 518-630-9614
 www.engineeringventures.com

Windsor District Court
 82 Railroad Row
 White River Junction, VT
 802-295-9865

Stormwater Details

Windsor District Court
 Expansion Project
 White River Junction, VT

Sheet Title:

EV Project # 22548

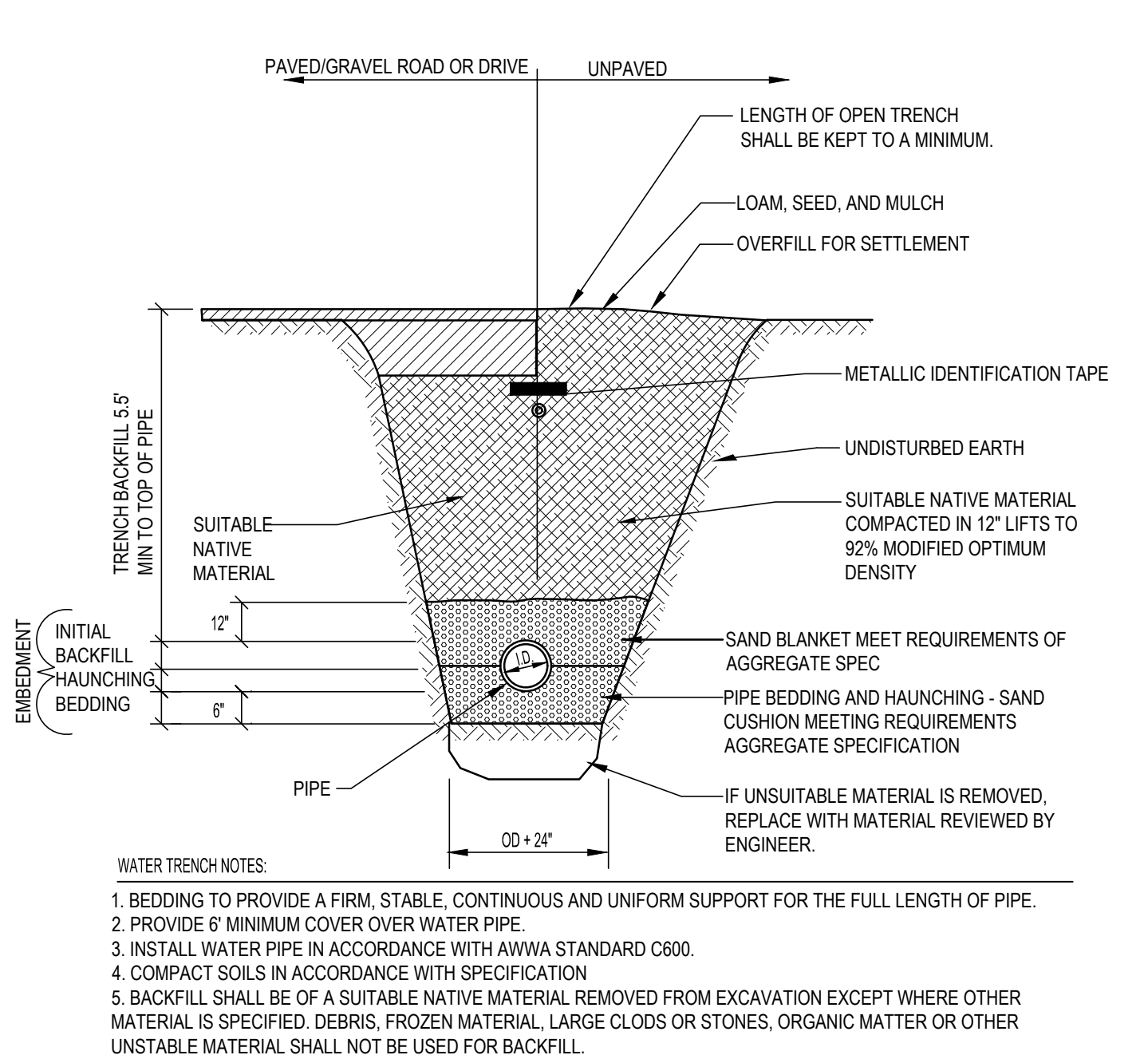
Drawn By: TB

Checked By: PB

Scale: As Noted

Date: 5/10/24

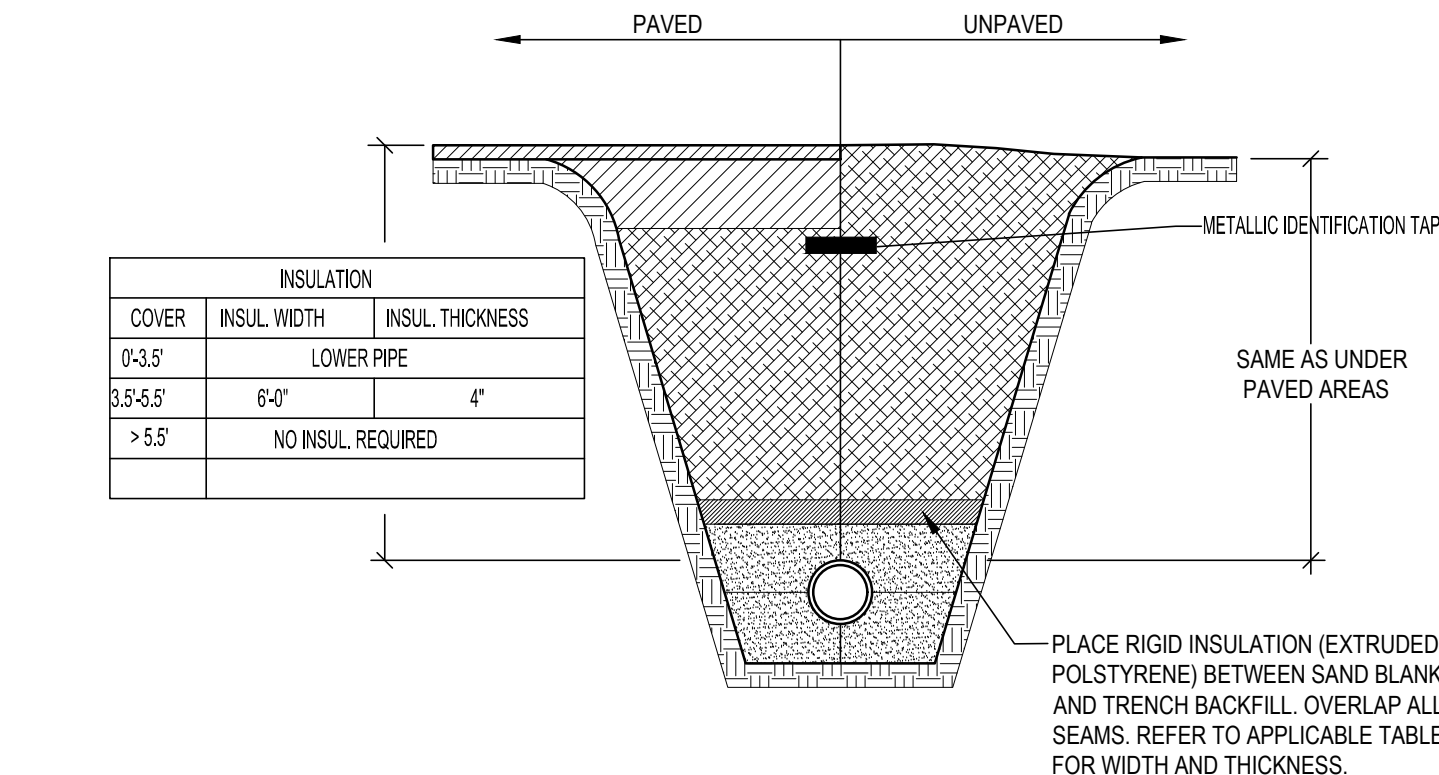
C3.3



TYPICAL WATER TRENCH DETAIL

SCALE: NONE

1



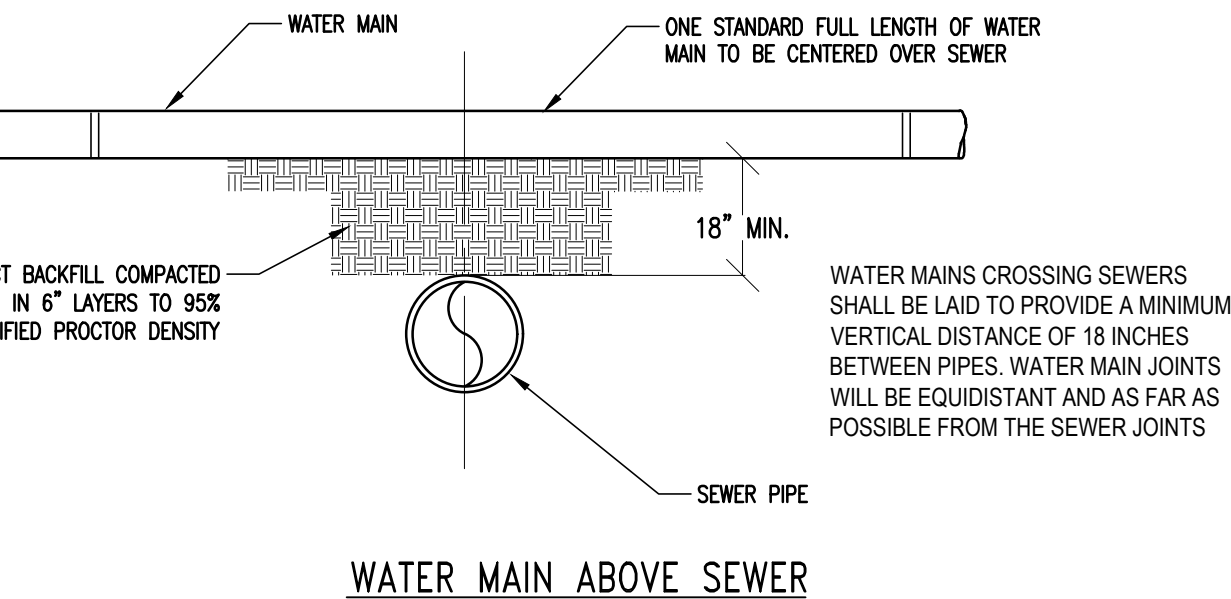
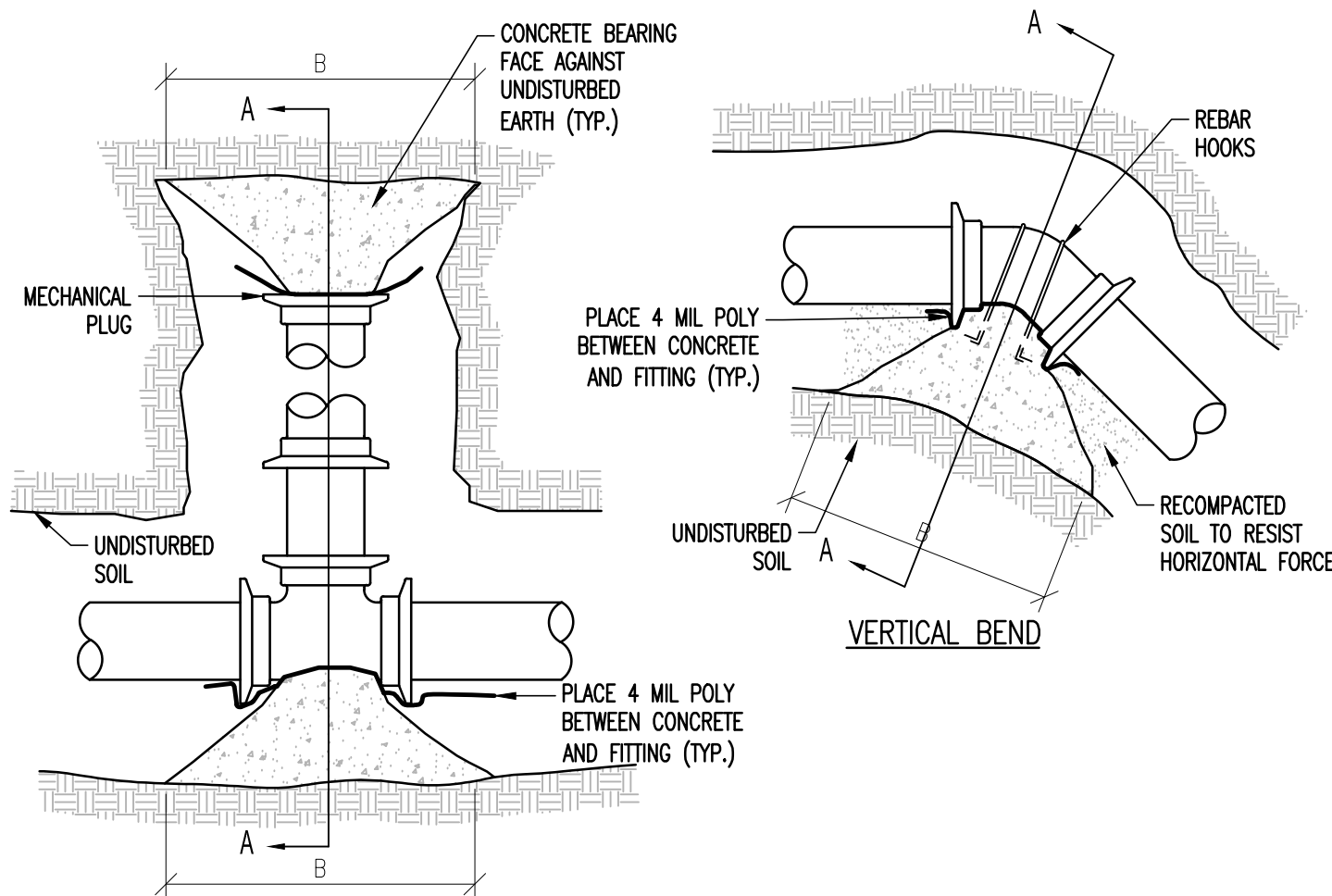
TRENCH NOTES:

- REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.

INSULATION OVER SHALLOW WATER LINE DETAIL

SCALE: NONE

2



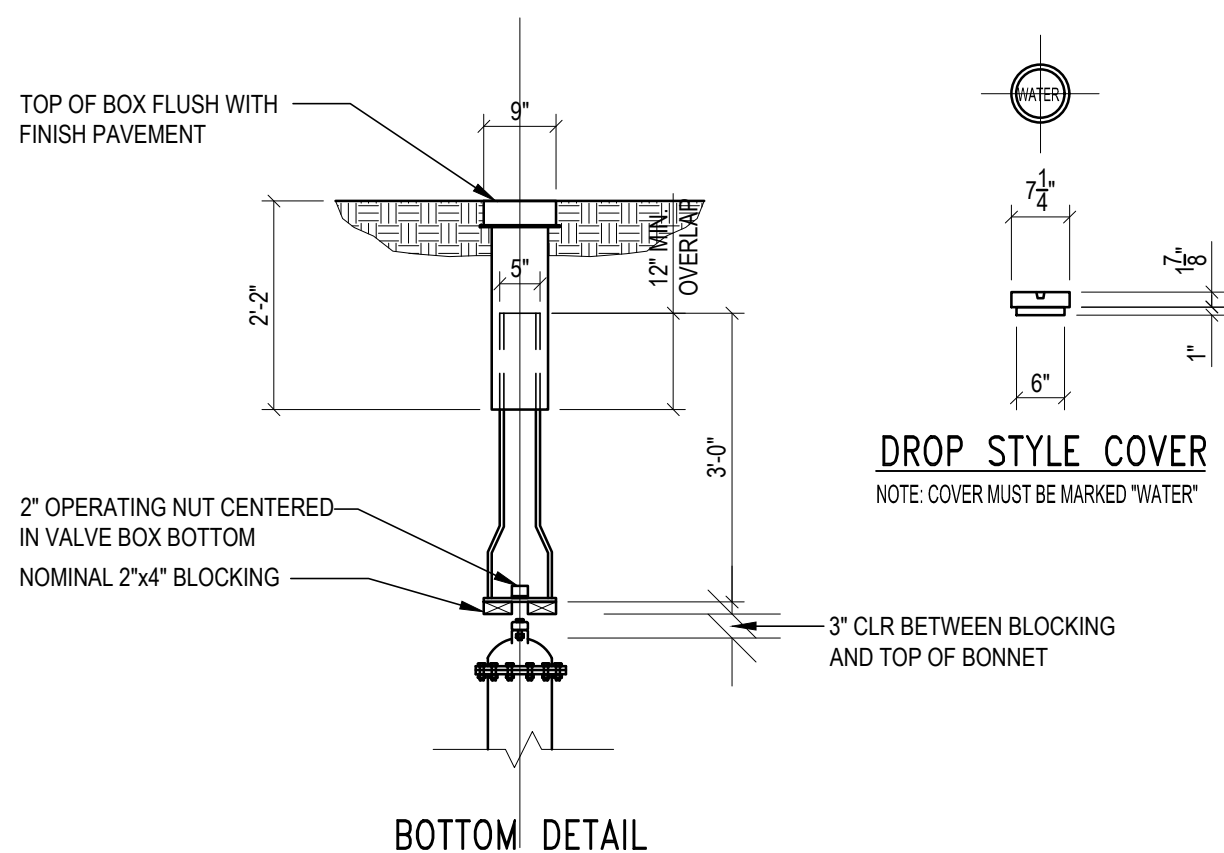
SEPARATION NOTES:

- WATER MAIN RELATIONS TO SEWER SHALL BE IN ACCORDANCE WITH THE "RECOMMENDED STANDARDS FOR WATER WORKS" SO-CALLED TEN STATE STANDARDS.
- WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWERS. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IF THIS DISTANCE CANNOT BE OBTAINED, THEN THE PIPES SHALL BE INSTALLED IN A SEPARATE TRENCH AT AN ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- WHEN IT IS IMPOSSIBLE TO MAINTAIN 18" VERTICAL SEPARATION OR WHERE THE SEWER MUST BE LAID ABOVE THE WATER MAIN; 1) THE CROSSING SHALL BE ARRANGED SO THAT ONE FULL LENGTH OF SEWER IS CENTERED ABOVE OR BELOW THE WATER LINE WITH SEWER JOINTS AS FAR AS POSSIBLE FROM WATER JOINTS; 2) THE SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING OR A TOTAL OF THREE PIPE LENGTHS, WHICH EVER IS GREATER; 3) THE SECTION CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 psi FOR 15 MINUTES WITHOUT LEAKAGE PRIOR TO BACKFILLING BEYOND ONE FOOT ABOVE THE PIPE TO ASSURE WATER TIGHTNESS.

SANITARY SEWER/WATER LINE CROSSING

SCALE: NONE

4



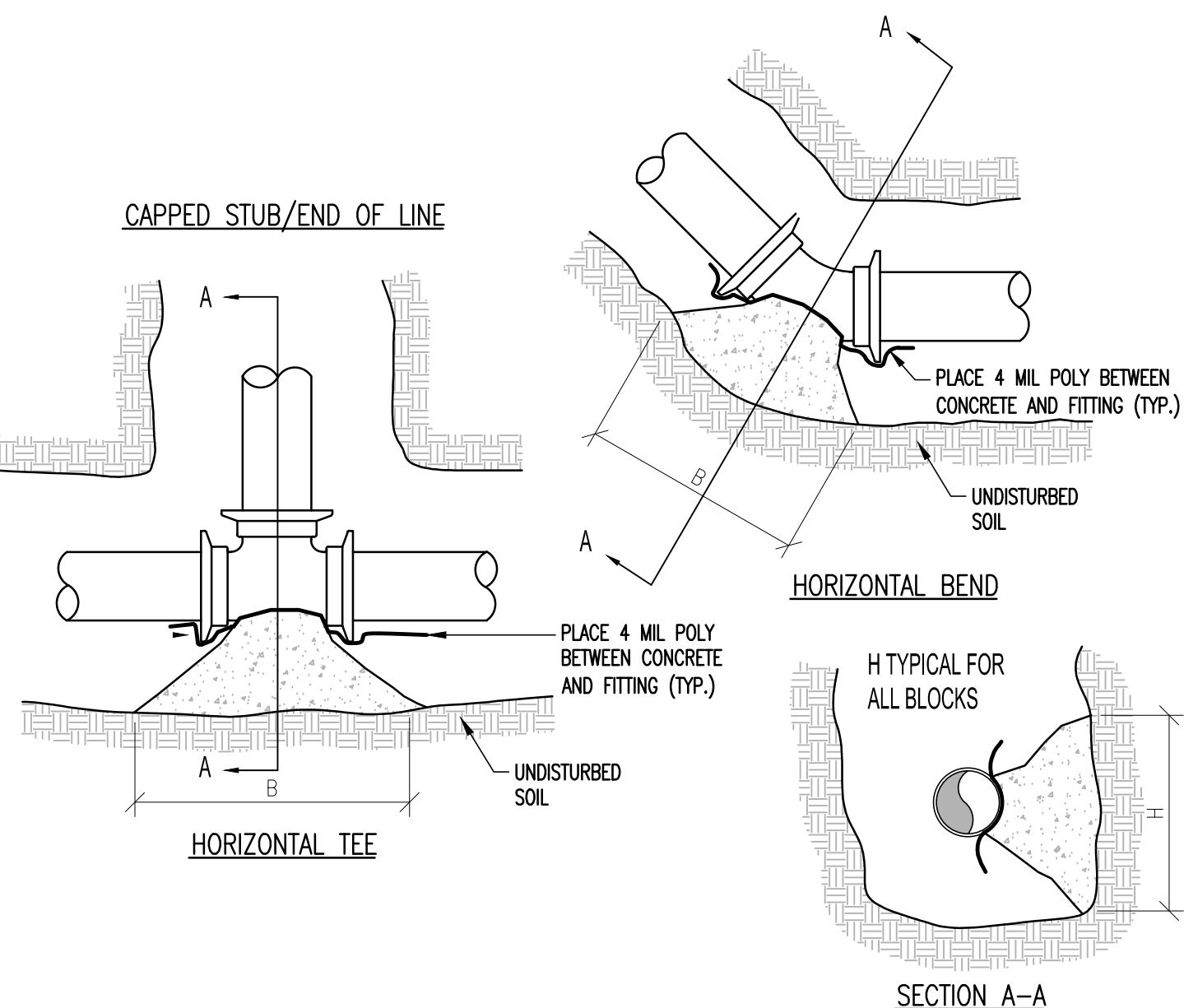
VALVE BOX NOTES:

- ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO TECHNICAL SPECIFICATIONS.
- ALL PIPES SHOULD HAVE A MINIMUM DEPTH OF 5.5' FROM TOP OF PIPE TO FINISH GRADE.
- ALL GATE VALVES SHALL BE OPEN RING.

TYPICAL VALVE BOX DETAIL

SCALE: NONE

5



WATER NOTES

WATER MAINS

- PERFORM A HYDROSTATIC AND LEAKAGE TEST ACCORDING TO AWWA C600(LATEST REVISION) ON EACH PIPE LINE.
- THE ENGINEER SHALL BE GIVEN AT LEAST 48 HOURS NOTICE BEFORE THE TEST IS CONDUCTED. TEST MUST BE WITNESSED BY THE ENGINEER.
- SPECIFIED TEST PRESSURE IS A MINIMUM OF 200 PSI OR 1.5X THE WORKING PRESSURE, WHICHEVER IS GREATER. AND PRESSURE DURING TEST SHALL NOT VARY BY MORE THAN 5 PSI. SEE THE CURRENT EDITION OF AWWA C600 FOR ALLOWABLE LEAKAGE.

EXISTING UTILITIES

- LOCATION OF UTILITY INSTALLATIONS AND UNDERGROUND STRUCTURES ARE SHOWN AS APPROXIMATE ON THE CONTRACT DOCUMENTS SOME UTILITIES MAY NOT BE SHOWN.
- ALL UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
- EXISTING UTILITIES SHALL BE PROTECTED AND SUPPORTED DURING CONSTRUCTION.
- ALL WATER, GAS, CABLE, TELEPHONE, ELECTRIC, SEWER, AND OTHER UTILITIES FOUND TO INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED IN A MANNER ACCEPTABLE TO THE ENGINEER, PRIOR TO COMMENCING DEMOLITION.

PIPE BEDDING

- SAND BLANKET/BEDDING SHALL MEET REQUIREMENTS OF EARTHWORK SPECIFICATIONS
- TRENCH FINAL BACKFILL MATERIAL - MATERIAL WILL EXCLUDE PIECES OF PAVEMENT, ORGANIC MATTER, TOPSOIL, ALL WET OR SOFT MUCK, PEAT, CLAY, LARGE ROCKS/ GREATER THAN 12" DIMENSION, OR ANY MATERIAL DETERMINED BY THE ENGINEER THAT WILL NOT BE SUITABLE.

PIPE TRENCH BACKFILL

- MEET EARTHWORK SPECIFICATIONS FOR PLACEMENT AND COMPACTION.
- DUCTILE IRON PIPE (WATER)
 - D.I. PIPE CONFORM TO AWWA/ANSI C151.
 - LININGS AND LINING REPAIR TO AWWA/ANSI C104.
 - JOINTS CONFORM TO AWWA/ANSI C 111 AND C115.
 - FITTINGS CONFORM TO AWWA/ANSI C110, C153, C105.
 - KEEP INSIDE OF PIPE CLEAN AND FREE OF DEBRIS.
 - REJECT ANY PIPE WHICH IS DROPPED DURING HANDLING.
 - MECHANICAL JOINT GLANDS SHALL BE "MEGALUG" RETAINER GLANDS.
 - DUCTILE IRON FITTINGS: ANSI A21.10, 350 PSI PRESSURE RATING.
 - JOINTS: MECHANICAL, PUSH-ON, AND FLANGED:
 - RUBBER GASKET JOINT, ANSI A21.11
 - GASKETS:
 - MECHANICAL AND PUSH-ON JOINTS: ANSI A21.11
 - FLANGED JOINT: 1/2" THICK RING OR FULL FACED RUBBER, ANSI A21.15.
 - BOLTS/NUTS
 - MECHANICAL JOINT: ANSI A21.11
 - FLANGED JOINT: ANSI A21.15
- LININGS:
 - INTERIOR: CEMENT LINED, DOUBLE THICKNESS BITUMINOUS SEAL
 - EXTERIOR: BITUMINOUS COATING APPROX. 1 MIL THICK, ANSI A21.51, AND ANSI A21.10.
 - FLANGE MACHINED FACE COATING: ANSI A21.15.
- LAYING PIPE
 - PIPE SHALL BE LAID WITH BELL ENDS FACING IN THE DIRECTION OF LAYING.
 - WHERE PIPE IS LAID ON A SLOPE OF 5% OR MORE, THE LAYING SHALL START AT THE LOW END AND PROCEED UPHILL, WITH THE BELL ENDS UPGRADE.
 - A WATER TIGHT PLUG SHALL BE PLACED IN THE OPEN ENDS OF INSTALLED PIPE WHEN PIPE LAYING IS NOT IN PROGRESS.
 - MAX. PERMISSIBLE DEFLECTION IS 75% OF AWWA SPEC. C600.

CHLORINATION OF DOMESTIC WATER LINES

- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING ANY DISINFECTION OF WATER MAINS
- CONTRACTOR SHALL BE RESPONSIBLE FOR BACTERIOLOGICAL TESTING AS REQUIRED BY THIS SPECIFICATION AND REFERENCE STANDARDS MENTIONED.
- DISINFECT ALL NEW PIPELINE SYSTEMS IN ACCORDANCE WITH AWWA C661, INCLUDING:
 - METHOD OF CHLORINE APPLICATION. USE CONTINUOUS FEED METHOD OR SLUG METHOD (TABLET METHOD IS NOT ACCEPTABLE).
 - FORM OF CHLORINE UTILIZED.
 - FINAL FLUSHING.
 - BACTERIOLOGICAL TESTING
 - REPEITION OF PROCEDURE

GATE VALVES

- RESILIENT SEAT GATE VALVES BY KENNEDY "KEN-SEAL" OR EQUAL.
- IRON BODY GATE VALVES TO MEET AWWA C-509-87.
- STEM CONSTRUCTION: NON-RISING.
- STEM SEALS: DOUBLE O-RING.
- GATE: CAST IRON RESILIENT WEDGE WITH SYNTHETIC ELASTOMER COATING, AND SHALL BE EPOXY COATED (FUSION BONDED) INSIDE AND OUT.
- BONNET HARDWARE SHALL MEET ASTM A307, CADMIUM PLATED.
- OUTLET CONNECTION: STANDARD MECHANICAL JOINT
- OPERATION: OPEN COUNTERCLOCKWISE.

TAPPING SLEEVES AND VALVES

TAPPING VALVES

- TAPPING VALVES TO MEET ANSI/AWWA C509-87, STANDARD FOR RESILIENT SEATED GATE VALVES.
- VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI.
- VALVES SHALL OPEN COUNTERCLOCKWISE.
- INLET FLANGES SHALL BE CLASS 125, ANSI B16.1, OR ANSI/AWWA C110/A21.10.
- OUTLET CONNECTION: STANDARDIZED MECHANICAL JOINT.
- STEM SEALS: O RING.
- STEM CONSTRUCTION: NON-RISING.
- SEATING: PARALLEL SEAT
- END CONNECTIONS: MECHANICAL ON RUN, FLANGED ON BRANCH.
- BURIED TAPPING VALVES SHALL BE PROVIDED WITH A 2 INCH SQUARE WRENCH NUT AND CAST IRON VALVE BOX. IF DEPTH FROM GRADE TO TOP OF VALVE OPERATING NUT IS GREATER THAN 6'-0", A VALVE STEM RISER MADE OF HIGH STRENGTH STEEL SHALL BE PROVIDED. DEPTH FROM VALVE STEM RISER NUT TO GRADE WILL BE 4 TO 6 FEET.

TAPPING SLEEVES

- AWWA C509, LATEST REVISION.
- AWWA C207, CLASS D, MAX. WORKING PRESSURE OF 150 PSI.
- SLEEVES: SPLIT SLEEVES OF CAST IRON OR DUCTILE IRON.
- MECHANICAL JOINT ENDS WITH END AND GASKET SEALS.
- BOLTS AND NUTS, MECHANICAL JOINTS: HIGH STRENGTH CAST IRON OR HIGH STRENGTH LOW ALLOY STEEL, ANSI/AWWA C111/A21.11-90.
- BOLTS AND NUTS, FLANGED JOINTS: HIGH STRENGTH, LOW CARBON STEEL CONFORMING TO ANSI/AWWA C110/A21.10-87, APPENDIX.
- COAT ALL NUTS AND BOLTS WITH A RUST RESISTANT LUBRICANT.
- ALL BOLTS AND NUTS USED WITH PIPE SLEEVES SHALL BE BRUSH COATED HEAVILY AFTER FINAL TIGHTENING WITH BITUMASTIC COLD-APPLIED MATERIAL TO THOROUGHLY COVER ALL EXPOSED SURFACES OF BOLTS AND NUTS.

VALVE BOXES

- ACCEPTABLE MANUFACTURER'S: MUELLER, CLOW, OR EQUAL.
- CLOW F-2452 SLIDING TYPE, TWO PIECE, OR EQUAL.
- 5 1/2 INCH SHAFT.
- SIZE 66-4 (40-60 INCH OVERALL LENGTH).
- CAST IRON.
- CLOW F-2490 LIDS OR EQUAL.
- THE WORD "WATER" TO BE CAST INTO TOP OF COVERS, AND ARROW SHOWING DIRECTION OF OPENING.

CONCRETE

- CONCRETE SHALL HAVE:
 - MIN. COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS
 - AIR ENTRAINMENT OF 4% TO 6% BY VOLUME.
 - WATER CEMENT RATIO OF 0.49 LBS. WATER/CEMENT.
 - SLUMP OF 2 TO 4 INCHES.
- CONCRETE SHALL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT OR MORE THAN 90 DEGREES FAHRENHEIT.
- CONCRETE SHALL NOT BE DROPPED MORE THAN SIX FEET INSIDE A FORM.
- MAINTAIN TEMPERATURE OF CONCRETE SURFACE AT MINIMUM 50 DEGREES FAHRENHEIT FOR 72 HOURS AFTER PLACING CONCRETE. PREHEAT ALL ENCLOSURES FOR A MINIMUM OF 2 HOURS TO PROVIDE A MIN. SURFACE TEMPERATURE OF 45 DEGREES FAHRENHEIT.
- ALLOW TO SET AND CURE ALL THRUST BLOCKS, CONCRETE SUPPORTS, AND ANCHORS A MINIMUM OF 24 HOURS BEFORE BACKFILLING.
- COMPLETELY CURE AND SET CONCRETE BEFORE ANY HYDROSTATIC OR LEAKAGE TESTING OF PIPELINE SYSTEMS.
- NONSHRINK GROUT SHALL BE HALCO TRADEMARK, AS MANUFACTURED BY LEHN & FINK INDUSTRIAL PRODUCTS.
- DO NOT PLACE ANY MORTAR OR GROUT WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT.
- MORTAR FOR MANHOLES SHALL CONSIST OF THE FOLLOWING:
 - CEMENT-TYPE II, ASTM C150.
 - HYDRATED LIME-TYPE N, ASTM C207.
 - SAND- ASTM C 33, FINE AGGREGATES FOR CONCRETE.
 - WATER-CLEAN, SUITABLE FOR DRINKING.

- MIX(BY VOLUME): 1 PART CEMENT, 1/2 PART LIME, 4 1/2 PARTS SAND.

GENERAL

- CONTRACTOR SHALL NOTIFY BURLINGTON DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS BEFORE BEGINNING WATER LINE WORK.
- "AS BUILT" DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AT THE TIME OF COMPLETION OF THE SYSTEM.

STATE OF VERMONT
Professional Engineer
No. 9016
Civil
Licensed

Stamp

ENGINEERING VENTURES PC

208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-8225
85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-3333
414 Union Street, Schenectady, NY 12305 • 518-630-9614
www.engineeringventures.com

Windsor District Court
82 Railroad Row
White River Junction, VT
802-295-9865

Water Details

Windsor District Court
Expansion Project
White River Junction, VT

EV Project # 22548

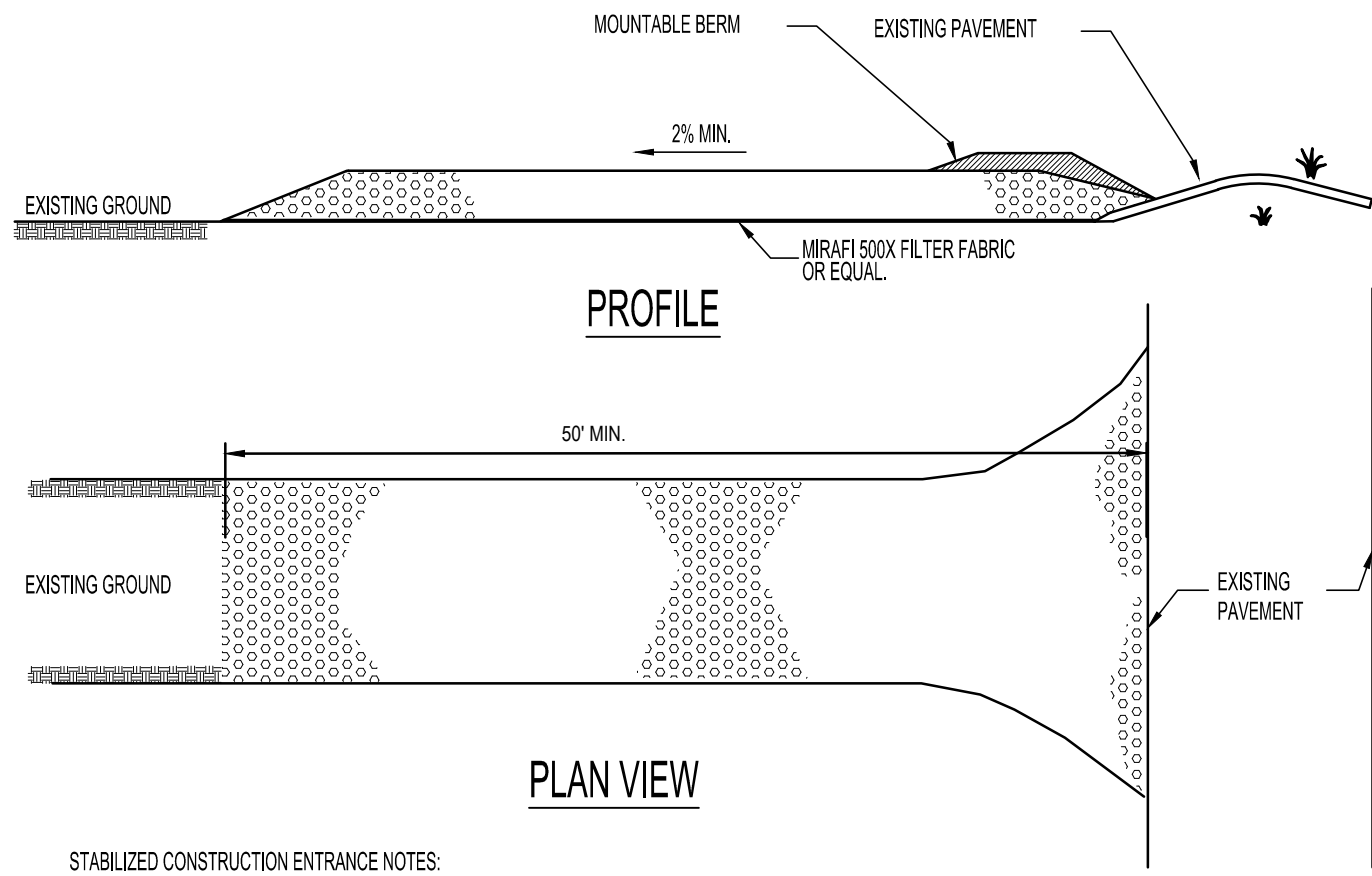
Drawn By: TB

Checked By: PB

Scale: As Noted

Date: 5/10/24

C3.4



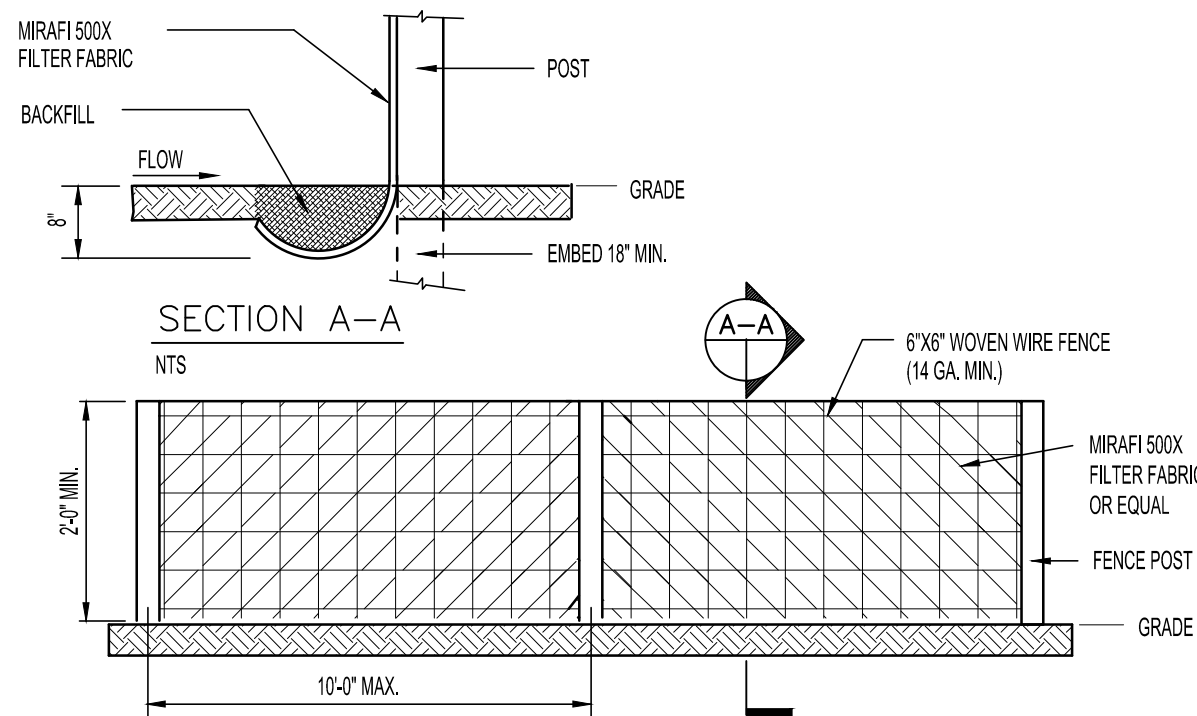
STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. STONE SIZE: USE 1-1/2" CRUSHED STONE.
2. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE.
3. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
4. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
5. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

CONSTRUCTION ENTRANCE DETAIL

SCALE: NONE

1



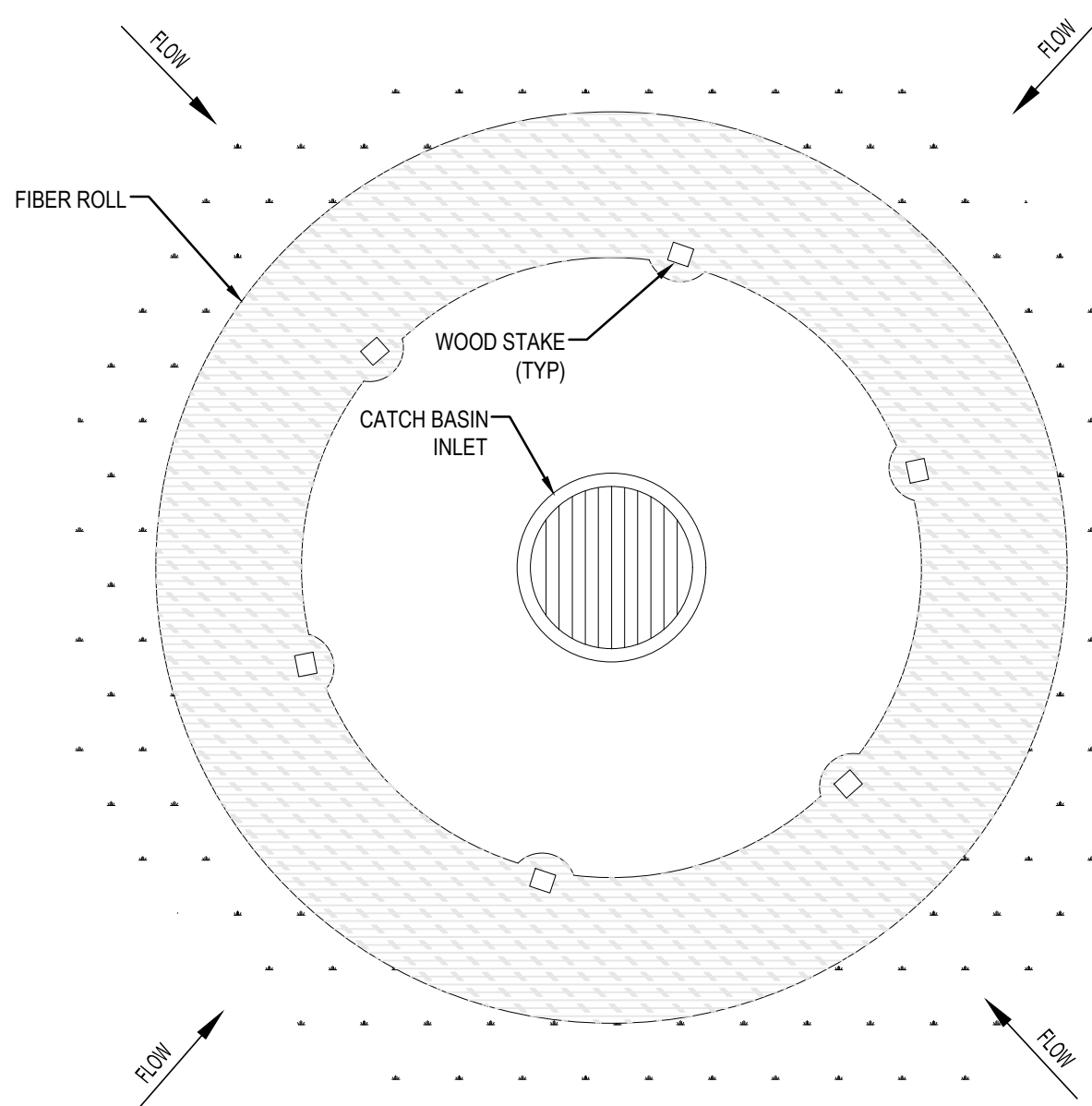
SILT FENCE NOTES:

1. SILT FENCE SHALL BE PRE-FABRICATED EROSION CONTROL FENCE BY MIRAFI OR EQUAL, OR CONSTRUCTED IN PLACE AS SPECIFIED HEREIN.
2. CONSTRUCTED IN PLACE SILT FENCE:
 - A. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - B. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE TIES SPACED EVERY 24" AT TOP OF MID SECTION.
 - C. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6", FOLDED AND STAPLED.
3. INSPECTION SHALL BE FREQUENT (MINIMUM ONCE A WEEK AND AFTER EVERY RAINFALL). MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN 'BULGES' DEVELOP IN SILT FENCE.

SILT FENCE DETAIL

SCALE: NONE

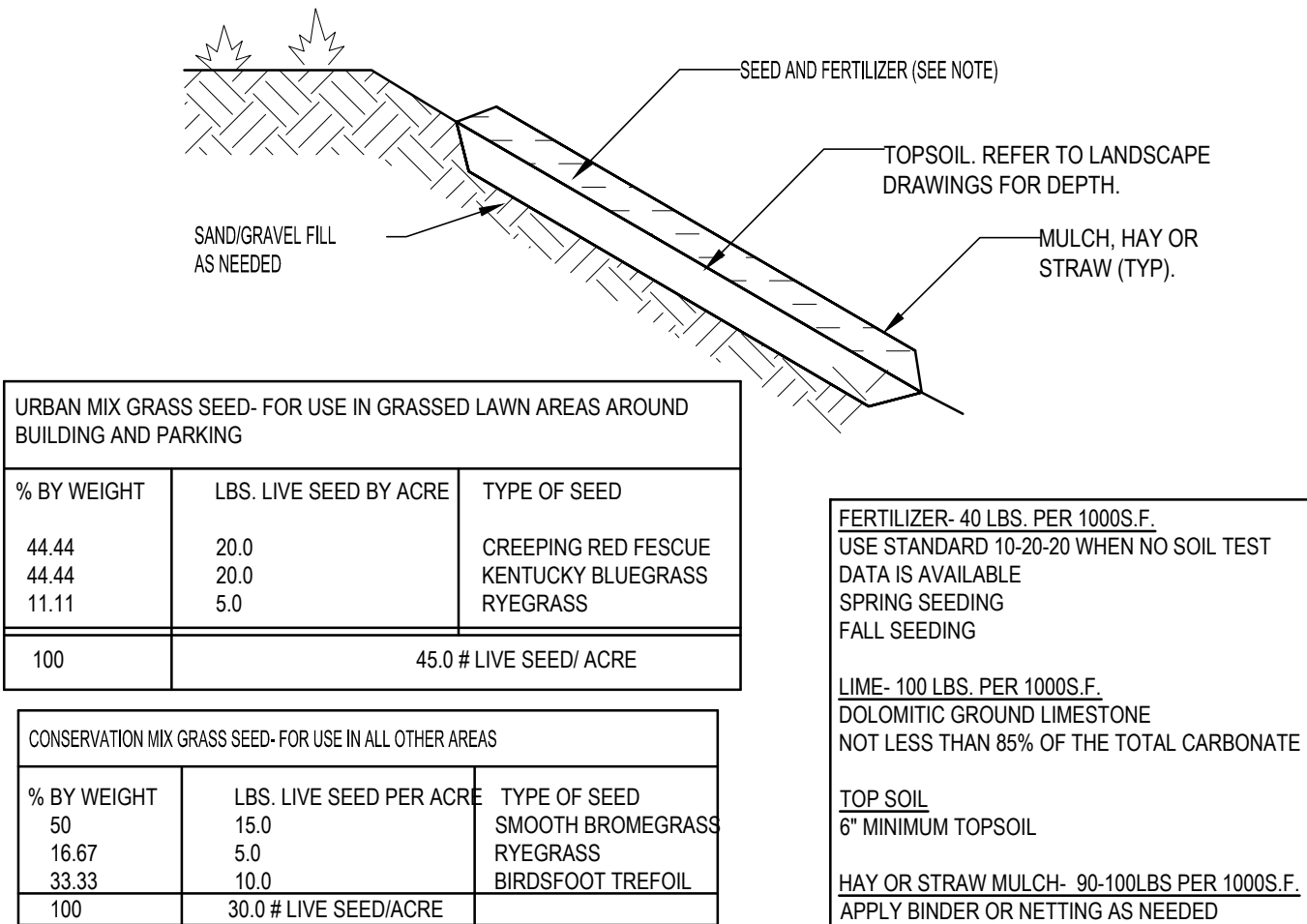
2



FIBER ROLL INLET PROTECTION DETAIL

SCALE: NONE

3



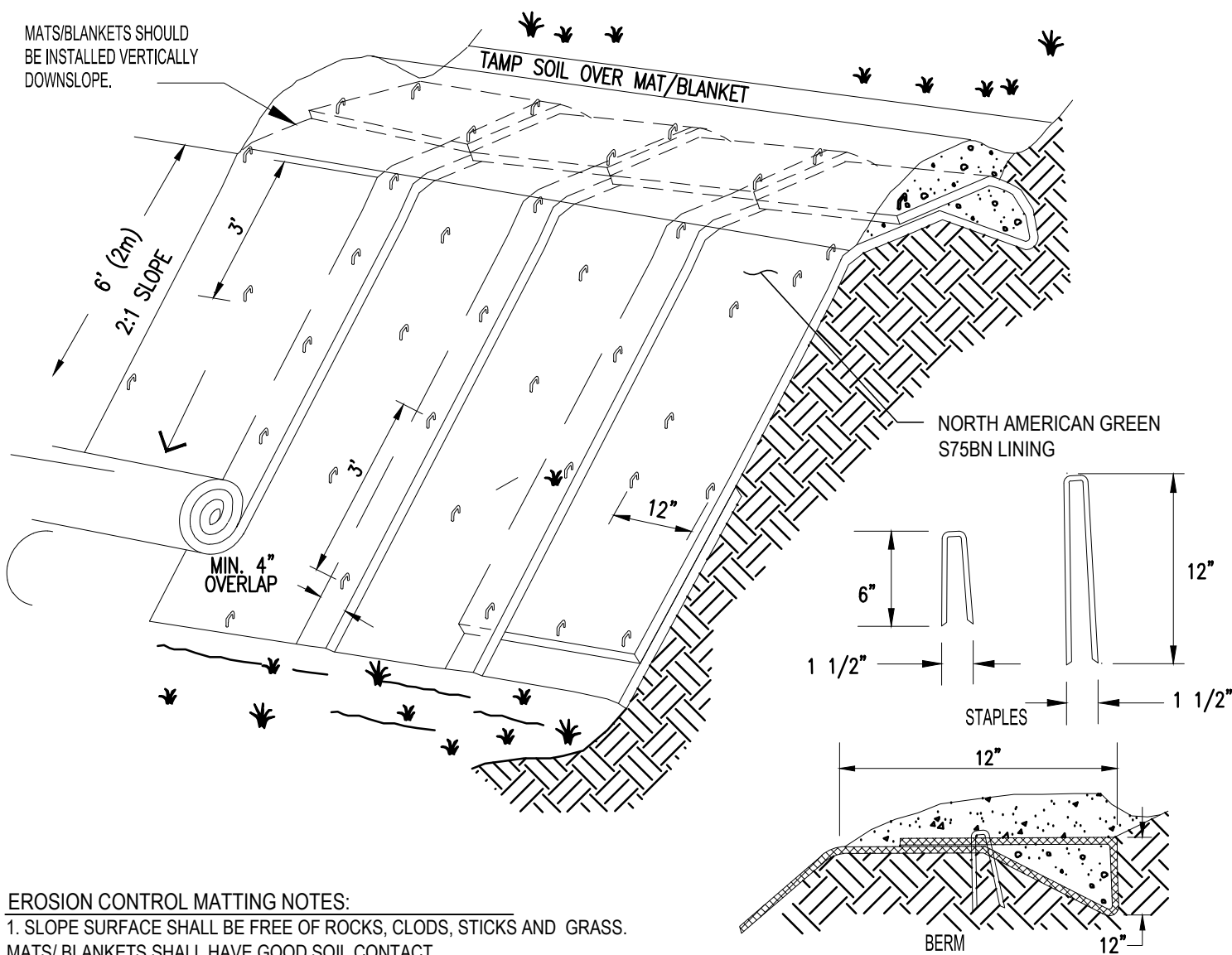
NOTES FOR SEEDED AND MULCHED AREAS

1. ALL DISTURBED SURFACES SHALL BE TEMPORARILY OR PERMANENTLY SEEDED AND MULCHED WITHIN 7 DAYS OF DISTURBANCE.
2. SEEDING AND MULCHING OF DISTURBED AREAS SHALL TAKE PLACE WITHIN 48 HOURS OF FINAL GRADING.
3. MULCH- TYPICALLY HAY OR STRAW MAY BE UTILIZED AND SHALL BE APPLIED AT A RATE OF 90-100 LBS/1,000 SF. MULCH SHALL NOT BE PLACED ON SLOPES OF GREATER THAN 3:1. SEED IMPREGNATED EROSION CONTROL NETTING SHALL BE USED IN ITS PLACE.
4. SEED- SEEDING SHALL OCCUR AFTER APRIL 15 AND PRIOR TO SEPTEMBER 15TH IN ORDER TO ESTABLISH A STAND OF GRASS PRIOR TO GROUND FREEZING. SEED SHALL BE IN ACCORDANCE WITH SEED SPECIFICATION ON THIS SHEET.
5. COVER SEED WITH 1/2 INCH SOIL UNLESS A HYDROSEEDER IS USED.
6. MULCH ANCHORING- SHALL BE ACCOMPLISHED BY DEGRADABLE MULCH NETTING. USE WHEN SLOPES ARE GREATER THAN 10%.
7. TOPSOIL AND MULCHING NOT TO BE APPLIED IN AREAS OF TRAVEL WAYS.

SEEDED AND MULCHED AREAS DETAIL

SCALE: NONE

4



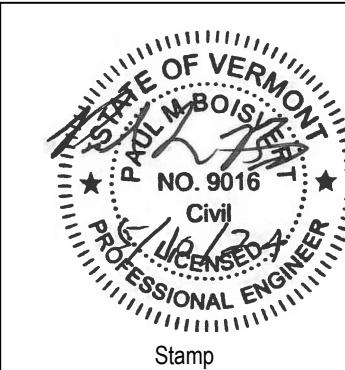
EROSION CONTROL MATTING NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS.
2. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. MATTING SHALL BE NATURAL FIBER.

EROSION CONTROL MATTING

SCALE: NONE

5



Date	Description	No.

ENGINEERING VENTURES PC

208 Fynn Avenue, Suite 2A, Burlington, VT 05401 • 802-865-8225
85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333
414 Union Street, Schenectady, NY 12305 • 518-530-9614
www.engineeringventures.com

Windsor District Court
82 Railroad Row
White River Junction, VT
802-295-8865

EPSC Details

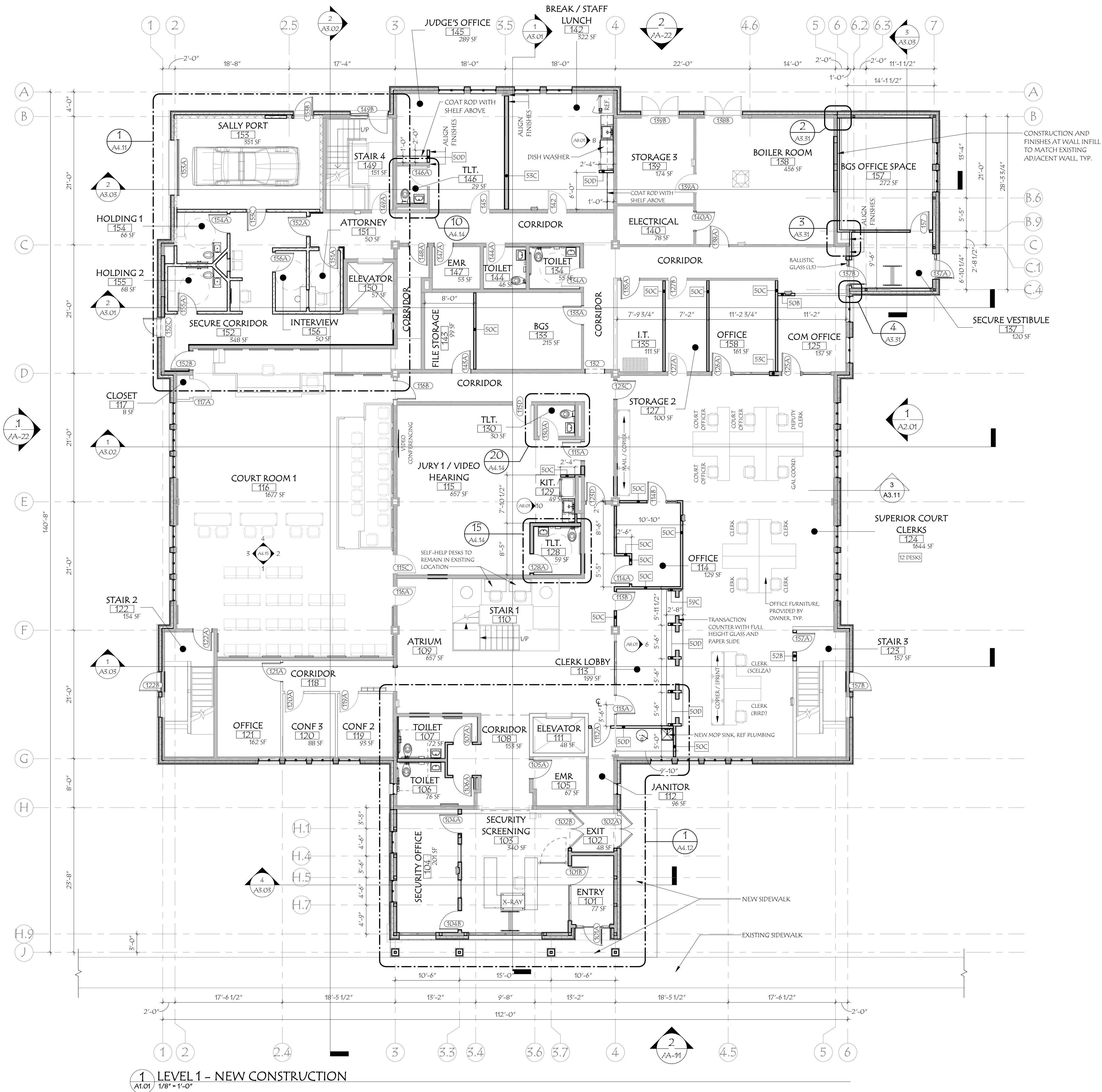
Windsor District Court
Expansion Project
White River Junction, VT

Sheet Title:

Project Title:

EV Project #	22548
Drawn By:	TB
Checked By:	PB
Scale:	As Noted
Date:	5/10/24

C3.5



1 LEVEL 1 - NEW CONSTRUCTION
1/8" = 1'-0"



38 Eastwood Drive
Suite 301
South Burlington, VT
05403
802.655.5020
802.622.6567
wiemannlamphere.com

WINDSOR COURTHOUSE
RENOVATIONS

VERMONT
WHITE RIVER
JUNCTION

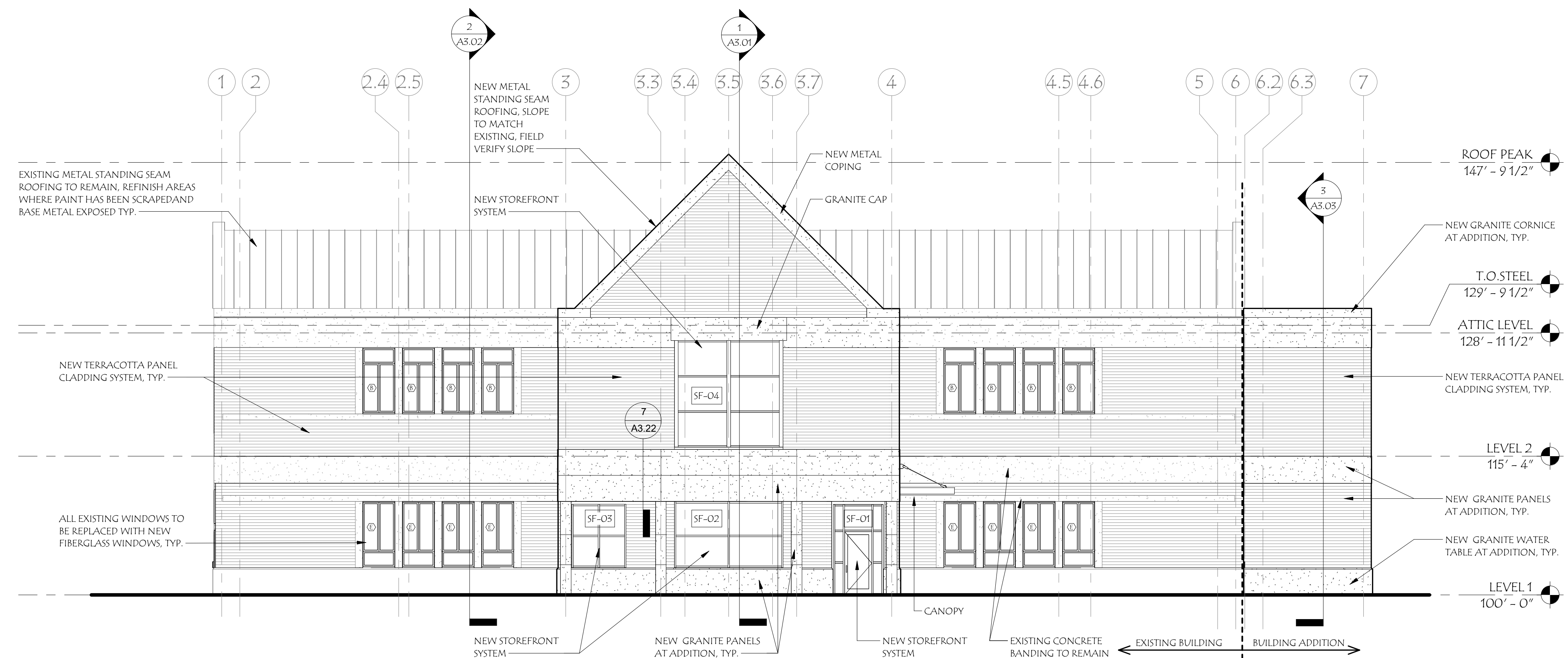
NO	DATE	REVISION
1	05.10.24	PROGRESS SET

DATE:	05/10/2024
SCALE:	1/8" = 1'-0"
PROJECT NO:	2016059
DRAWN BY:	RJH
CHECKED BY:	DPR
SHEET TITLE:	

LEVEL 1 FLOOR
PLAN

SHEET NUMBER:

A1.01



Wiemann
Lamphere



ARCHITECTS |

88 Eastwood Drive
Suite 301
South Burlington, VT
05403
802.655.5020
802.622.6567
wiemannlamphere.com

WINDSOR COURTHOUSE
RENOVATIONS

CELL-CELL JUNCTION

NO	DATE:	REVISION:
1	05.10.24	PROGRESS SET

DATE:		05/10/2024	
		SCALE:	1/8" = 1'-0"
		PROJECT NO:	2016059
DRAWN BY:		CHECKED BY:	
RJH		DPR	
SHEET TITLE:			

SHEET NUMBER:

A2.01



NO	DATE:	REVISION:
1	05.10.24	PROGRESS SET

DATE:		05/10/2024	
		SCALE:	1/8" = 1'-0"
		PROJECT NO:	2016059
DRAWN BY:		CHECKED BY:	
RJH		DPR	
SHEET TITLE:			

Ownership of Instruments of Service

TERRACOTTA CLADDING

TERRACOTTA RAINSCREEN CLADDING,
REVEAL HEIGHT TO MATCH BRICK DIMENSIONS

MAX WIDTH 60"

MIN 6"
MAX 24"

TERRACOTTA RAINSCREEN
CLADDING COLOR - CINNAMON

NEW BATTEN SEAM ROOFING

DARK GREEN COLOR TO MATCH EXISTING ROOFING

NEW STOREFRONT SYSTEM

DARK BRONZE COLOR

The diagram illustrates the proposed storefront system for the building. It features a pair of glass doors with dark bronze frames and handles. A color swatch labeled 'DARK BRONZE COLOR' is provided to show the intended finish for the new system.



Ownership of Instruments of Service

TERRACOTTA CLADDING



BATTEN SEAM ROOFING



STOREFRONT WINDOWS AND ENTRIES



A-2

2
A-2