

MUNICIPAL OFFICES



Town of Northfield, Vermont
www.northfield-vt.gov

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51 SOUTH MAIN STREET
NORTHFIELD, VERMONT 05663

TOWN OF NORTHFIELD, VERMONT SELECT BOARD REGULAR MEETING Tuesday, August 12, 2025 COMMUNITY ROOM - 7:00 P.M.

This ZOOM meeting can be attended either in person
or from your computer, tablet, or smartphone.

<https://us06web.zoom.us/j/84183919223?pwd=MFTUidfSNRbVY1acDAoa2fg4ccdMZY.1>

You can also dial in using your phone: 1-929-436-2866

Meeting ID: 841 8391 9223

Passcode: 942574

AGENDA

I. ROLL CALL

II. SET/ADJUST AGENDA

III. PUBLIC PARTICIPATION (SCHEDULED):

- a. Gary Laroche P.E., VTrans Project Manager: Main Street Bridge Replacement Project Update

IV. APPROVAL OF MINUTES

- a. July 22, 2025 (Regular Meeting)

V. APPROVAL OF BILLS

- a. Approval of Warrant #03-26 & #03-26A-F
- b. Receipt of Biweekly Payroll through July 20, 2025: \$120,488.22
- c. Receipt of Biweekly Payroll through August 3, 2025: \$115,088.87

VI. SELECT BOARD

- a. Cheney Farm Post-Construction Parking and Accessibility
- b. CVRPC Public Works Emergency Mutual Aid Agreement
- c. Northfield Ambulance Abatements
- d. Slaughterhouse Road Drainage
- e. Community Communication Policy
- f. Budget Priorities

VII. TOWN MANAGER'S REPORT

VIII. BOARD MEMBERS' COMMENTS, CONCERNS, QUESTIONS

IX. PUBLIC PARTICIPATION (UNSCHEDULED)

X. EXECUTIVE SESSION (IF NEEDED)

- a. Legal/Personnel/Contracts [1 VSA 313 (a)(1)]

XI. ADJOURNMENT

STATE OF VERMONT
AGENCY OF TRANSPORTATION



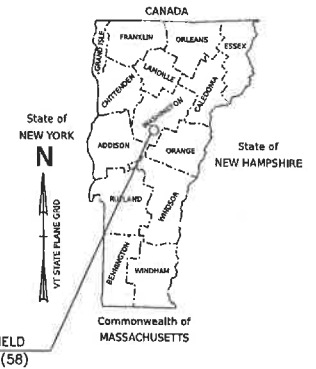
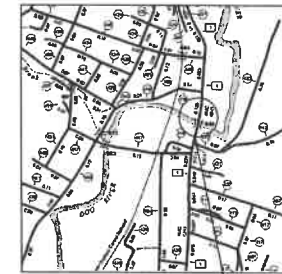
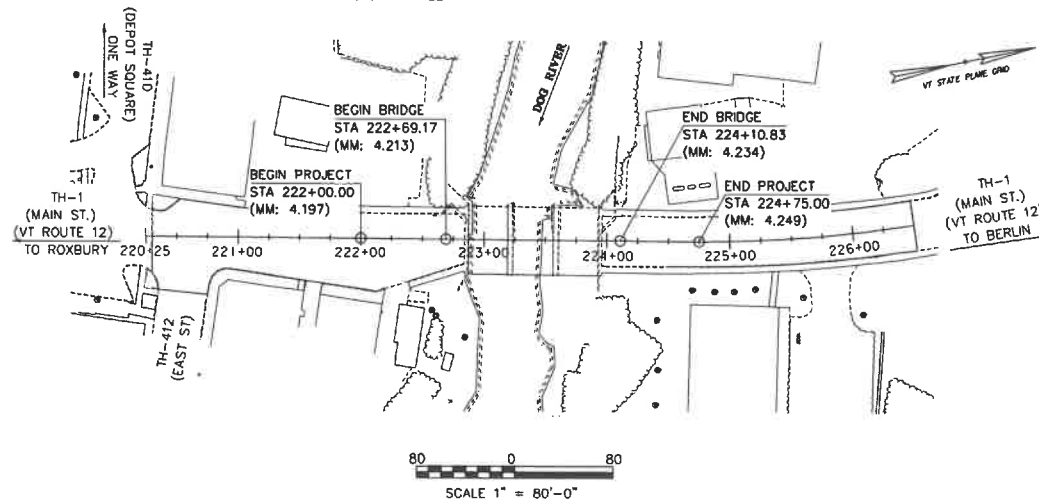
PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF NORTHFIELD
COUNTY OF WASHINGTON

ROUTE NO : VT ROUTE 12, TH-1 MAIN ST. (CLASS 1), MAJOR COLLECTOR, BRIDGE NO: 60

PROJECT LOCATION: LOCATED IN THE TOWN OF NORTHFIELD ON VT ROUTE 12, BRIDGE 60 OVER DOG RIVER,
APPROXIMATELY 1.1 MILES NORTH OF THE JUNCTION WITH VT ROUTE 12A SOUTH.

PROJECT DESCRIPTION: REMOVAL AND REPLACEMENT OF BRIDGE NO. 60 WITH RELATED APPROACH ROADWAY AND CHANNEL WORK.

LENGTH OF STRUCTURE: 141.66 FEET
LENGTH OF ROADWAY: 133.34 FEET
LENGTH OF PROJECT: 275.00 FEET



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2024, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 27, 2023 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL	2
SURVEYED BY :	DUBOIS & KING
SURVEYED DATE :	2019
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD 83 (2011)

HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____ DATE _____	
PROJECT MANAGER :	GARY LAROCHE, P.E.
PROJECT NAME :	NORTHFIELD
PROJECT NUMBER :	BF 0241(58)
SHEET 1 OF 102 SHEETS	



PRELIMINARY INFORMATION SHEET (BRIDGE)

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DETAIL SHEETS

STANDARDS LIST

C-2A	PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES	10-14-2005
C-3B	SIDEWALK RAMPS AND MEDIAN ISLANDS	02-17-2022
C-10	CURBING	02-17-2022
E-10	ROLLED EROSION CONTROL PRODUCT, TYPE I	04-07-2020
E-12	STABILIZED CONSTRUCTION ENTRANCE	04-07-2020
E-13	INLET PROTECTION DEVICE, TYPE 1	04-07-2020
E-15	SILT FENCE	04-07-2020
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-1995
E-131B	BICYCLE GUIDE SIGN DETAILS	07-25-2024
G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS)	03-10-2017
G-1D	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MED)	03-10-2017
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	10-02-2018
S-400	BRIDGE JOINT ASPHALTIC PLUG	04-07-2020
S-500	CONCRETE DETAILS AND NOTES	02-15-2023
S-501	CONCRETE DETAILS AND NOTES	02-15-2023
S-600	STRUCTURAL DETAILS AND NOTES	02-15-2023
S-601	STRUCTURAL STEEL PLATE GIRDER DETAILS AND NOTES	04-25-2018
T-1	TRAFFIC CONTROL GENERAL NOTES	04-07-2020
T-2	TRAFFIC SIGN GENERAL NOTES	08-06-2012
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	04-08-2014
T-42	BRIDGE NUMBER PLAQUE	

FINAL HYDRAULIC REPORT

HYDROLOGIC DATA

Date: 4/20/2022

DRAINAGE AREA: 59.0 sq. mi.
CHARACTER OF TERRAIN: Hilly to mountainous, rural watershed
STREAM CHARACTERISTICS: Stream with wide floodplain
NATURE OF STREAMBED: Cobble
PEAK FLOW DATA - ANNUAL EXCEEDANCE PROBABILITY (AEP)
43% = 2,200 cfs
10% = 3,800 cfs
4% = 5,000 cfs
2% = 6,000 cfs
1% = 7,100 cfs
0.2% = 8,500 cfs

DATE OF FLOOD OF RECORD: 8/28/2011
ESTIMATED DISCHARGE: Unknown
WATER SURFACE ELEV.: 721.7 ft.
NATURAL STREAM VELOCITY: @ 2% AEP = 10.1 fpm
ICE CONDITIONS: Moderate to Heavy
DEBRIS: Moderate to Heavy
DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? Unknown
IS ORDINARY FISE RAPID? Unknown
IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? Yes
IF YES, DESCRIBE: The stage is controlled by an uncontrolled dam directly downstream of the structure

WATERSHED STORAGE: 1.0% HEADWATERS:
UNIFORM: X
IMMEDIATELY ABOVE SITE:

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: 3-Span Concrete T-Beam Bridge
YEAR BUILT: 1928, Reconstructed in 1958
CLEAR SPAN(NORMAL TO STREAM): 105.0 ft.
VERTICAL CLEARANCE ABOVE STREAMBED: 20.3 ft.
WATERWAY OF FULL OPENING: 1,691.2 sq. ft.
DISPOSITION OF STRUCTURE: Full Replacement
TYPE OF MATERIAL UNDER SUBSTRUCTURE: See Borings

WATER SURFACE ELEVATIONS AT:

43% AEP = 713.8 ft. VELOCITY = 8.9 fpm
10% AEP = 715.1 ft. 8.4 fpm
4% AEP = 716.1 ft. 8.4 fpm
2% AEP = 717.0 ft. 9.8 fpm
1% AEP = 717.7 ft. 10.2 fpm

LONG TERM STREAMBED CHANGES: Unknown

IS THE ROADWAY OVERTOPPED BELOW 1% AEP: No
FREQUENCY: N/A
RELIEF ELEVATION: N/A
DISCHARGE OVER ROAD @ 1% AEP: N/A

UPSTREAM STRUCTURE

TOWN: Northfield DISTANCE: 350.0 ft.
HIGHWAY #: NE Central Railroad Roadway STRUCTURE #: Unknown
CLEAR SPAN: Unknown CLEAR HEIGHT: Unknown
YEAR BUILT: Unknown FULL WATERWAY: Unknown
STRUCTURE TYPE: Simple Span

DOWNSTREAM STRUCTURE

TOWN: Northfield DISTANCE: 1.1 mi.
HIGHWAY #: VT-12 STRUCTURE #: BR BT
CLEAR SPAN: 170 ft. CLEAR HEIGHT: Unknown
YEAR BUILT: 1977 FULL WATERWAY: Unknown
STRUCTURE TYPE: 2-Span Continuous Rolled Beam

LRFD LOAD RATING FACTORS

LOADING LEVELS	H-20	H-16	H-10	TRUCK	SA	STE	AA	STB	AA	STB
TORNADE	20	30	30	00	30	34.6	38			
INVENTORY		1.14								
POSTING										
OPERATING		1.48	2.12	2.81	4.41	5.08	5.83			
COMMENTS:										

PROPOSED STRUCTURE

STRUCTURE TYPE: Single Span
CLEAR SPAN(NORMAL TO STREAM): 137.0 ft.
VERTICAL CLEARANCE ABOVE STREAMBED: 18.1 ft.
WATERWAY OF FULL OPENING: 1,364.0 sq. ft.
WATER SURFACE ELEVATIONS AT:
43% AEP = 713.4 ft. VELOCITY = 7.5 fpm
10% AEP = 714.7 ft. 9.1 fpm
4% AEP = 715.7 ft. 9.0 fpm
2% AEP = 716.5 ft. 10.0 fpm
1% AEP = 717.2 ft. 11.1 fpm

IS THE ROADWAY OVERTOPPED BELOW 1% AEP: No
FREQUENCY: N/A
RELIEF ELEVATION: N/A
DISCHARGE OVER ROAD @ 1% AEP: N/A

BRIDGE LOW CHORD ELEVATION: 723.08 ft.
FREEBOARD: @ 2% AEP = 06.57 ft.
SCOUR: 7.0 ft**

REQUIRED CHANNEL PROTECTION: Stone Fill Type IV**

PERMIT INFORMATION

AVERAGE DAILY FLOW: - DEPTH OR ELEVATION:
ORDINARY LOW WATER: -
ORDINARY HIGH WATER: -

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: N/A
CLEAR SPAN(NORMAL TO STREAM): N/A
VERTICAL CLEARANCE ABOVE STREAMBED: N/A
WATERWAY AREA OF FULL OPENING: N/A

ADDITIONAL INFORMATION

* Natural velocity is slightly larger because deceleration occurs near bridge opening
** Assumes that existing abutments are fully exposed and scour similar to pier at abutments
*** E-Store Type IV is to be used for all in-channel work

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. SIDEWALKS ARE NECESSARY
4. BICYCLES AND PEDESTRIANS WILL BE ACCOMMODATED

DESIGN VALUES

1. DESIGN LIVE LOAD	H-16-83
2. FUTURE PAVEMENT	dp: 2.5 INCH
3. DESIGN SPAN	L: 140 FT
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)	Δ: ---
5. PRESTRESSING STRAND	fr: ---
6. PRESTRESSED CONCRETE STRENGTH	f'c: ---
7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'cr: ---
8. S.P. (PERFORMANCE-BASED CONCRETE, CLASS PCB)	f'c: 4.0 KSI
9. S.P. (PERFORMANCE-BASED CONCRETE, CLASS PCS)	f'c: 3.5 KSI
10. S.P. (PERFORMANCE-BASED CONCRETE, CLASS PSS)	f'c: 4.0 KSI
11. CONCRETE, CLASS C	f'c: 3.0 KSI
12. REINFORCING STEEL	fr: 60 KSI
13. STRUCTURAL STEEL AASHTO M270, GR50W	fr: 50 KSI
14. NOMINAL BEARING RESISTANCE OF SOIL	qn: ---
15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	φ: ---
16. NOMINAL BEARING RESISTANCE OF ROCK	qn: ---
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	φ: ---

18. PILE RESISTANCE FACTOR	φ: 0.85
19. LATERAL PILE DEFLECTION	Δ: ---
20. BASIC WIND SPEED	V30: ---
21. MINIMUM GROUND SNOWLOAD	ps: ---
22. SEISMIC DATA	PGA: --- S ₁ : --- S ₂ : ---
23.	---
24.	---
25.	---
26.	---

PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 024(58)

FILE NAME: z19\223 for ms.dgn

PLOT DATE: 5/29/2025

PROJECT LEADER: K. SMITH

DRAWN BY: D. WELLS

DESIGNED BY: D. WELLS

CHECKED BY: K. SMITH

PRELIMINARY INFORMATION SHEET

SHEET 2 OF 02

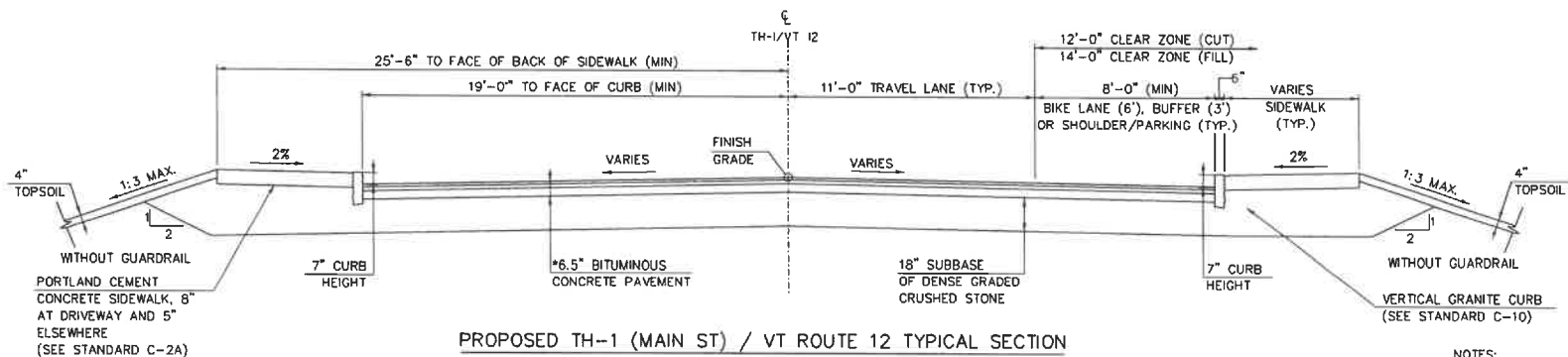
TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADDT	20 year ESAL for flexible pavement from 2024 to 2044 : 571480
2024	4300	530	52	5.5	280	40 year ESAL for flexible pavement from 2024 to 2064 : 1361360
2044	4800	580	52	8.2	470	Design Speed: 30 mph

AS BUILT "REBAR"

LEVEL	LEVEL	LEVEL
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:



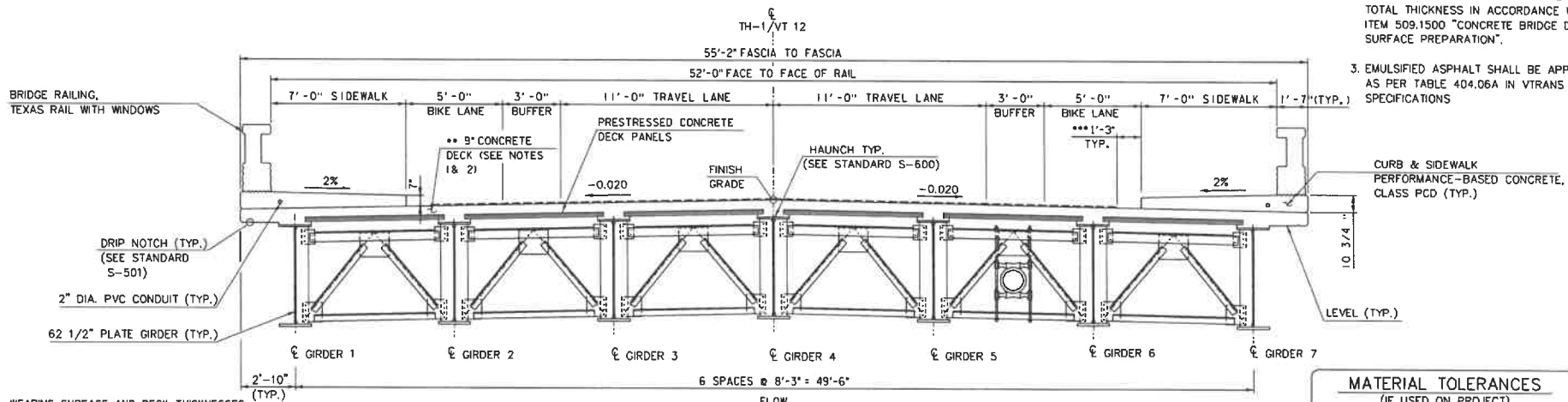


PROPOSED TH-1 (MAIN ST) / VT ROUTE 12 TYPICAL SECTION

STA 222+00.00 TO STA 222+69.17
STA 224+10.83 TO STA 224+75.00
SCALE $\frac{3}{8}" = 1'-0"$

NOTES:

1. 6" INITIAL THICKNESS, ITEM 501.3700 "PERFORMANCE-BASED CONCRETE, CLASS PCD".
2. OVER POUR DECK TO 9" THICKNESS, PERFORM DECK GRINDING TO FINAL 9" TOTAL THICKNESS IN ACCORDANCE WITH ITEM 509.1500 "CONCRETE BRIDGE DECK SURFACE PREPARATION".
3. EMULSIFIED ASPHALT SHALL BE APPLIED AS PER TABLE 404.06A IN VTRANS SPECIFICATIONS



BRIDGE TYPICAL SECTION

SCALE $\frac{3}{8}" = 1'-0"$

- * 1 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE IVS)
- * 2" BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
- * 3" BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
- 18" SUBBASE OF DENSE GRADED CRUSHED STONE

- ** 5 1/2" PERFORMANCE-BASED CONCRETE, CLASS PCD OVER
- 3 1/2" PRESTRESSED CONCRETE DECK PANELS

***FINISH DECK TO FINAL GRADE OR TRANSITION OVERPOUR TO 0" AT FACE OF CURB. IF OVERPOUR IS TRANSITIONED, IT SHALL BE COMPLETELY REMOVED BY GRINDING

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	571,480
DESIGN NUMBER OF GYRATION	65
PERFORMANCE GRADE ASPHALT BINDER - PAYER PLACED	58E-28
PERFORMANCE GRADE ASPHALT BINDER - NON-PAYER PLACED	58S-28

MATERIAL TOLERANCES (IF USED ON PROJECT)

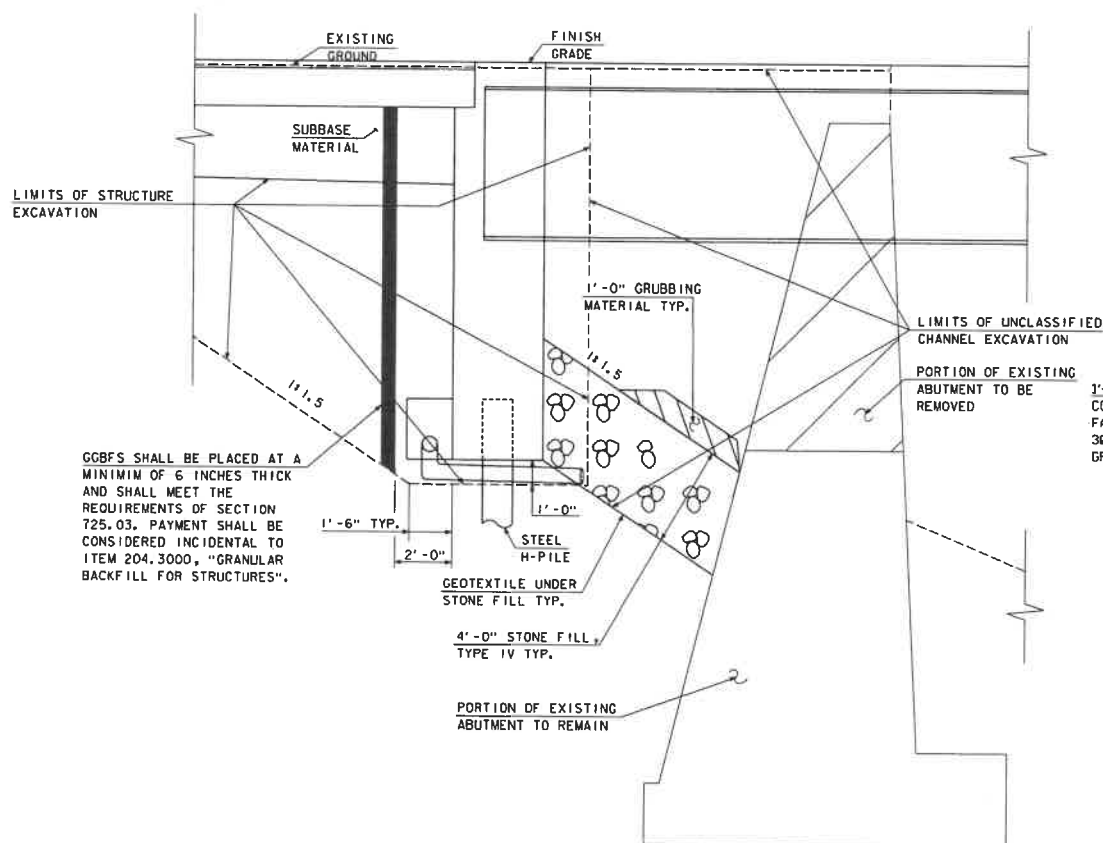
SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

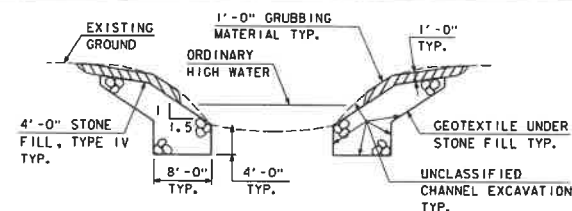
FILE NAME: z1912231yp.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. SMITH
TYPICAL SECTIONS SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. SCHWARTZ
CHECKED BY: S. BROWN
SHEET 3 OF 102





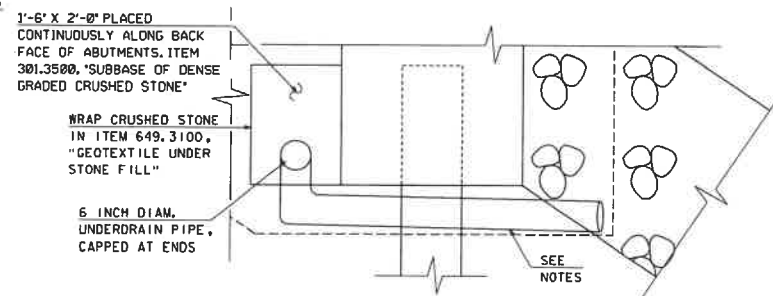
ABUTMENT EARTHWORK TYPICAL SECTION
(NOT TO SCALE)



TYPICAL CHANNEL SECTION
(NOT TO SCALE)

1) GRUBBING MATERIAL SHALL BE PLACED UNDERNEATH STRUCTURES WHERE THERE IS MORE THAN 6 FEET VERTICALLY FROM ORDINARY HIGH WATER (OHW) TO THE BOTTOM OF SUPERSTRUCTURE AND MORE THAN 6 FEET HORIZONTALLY FROM OHW LINE TO FRONT FACE OF ABUTMENT. THIS MATERIAL SHALL START JUST ABOVE THE OHW ELEVATION AND TERMINATE 3 FEET HORIZONTALLY FROM THE FRONT FACE OF THE ABUTMENT. THIS MATERIAL SHALL NOT BE PLACED UNDERNEATH DOWNSPOUTS. SEE THE CHANNEL SECTIONS FOR ADDITIONAL DETAILING.

2) WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.



SUBSTRUCTURE DRAINAGE DETAIL
(NOT TO SCALE)

3) 6" UNDERDRAIN OUTLET PIPE CONNECTED TO UNDERDRAIN AT BACK FACE OF ABUTMENTS. OUTLET PIPE TO BE WRAPPED IN ITEM 649.3100, "GEOTEXTILE UNDER STONE FILL" AND PLACED TO AVOID PILES AND CUSHION SAND.

4) SLOPE UNDERDRAIN PIPE AT A MINIMUM OF $\frac{1}{8}$ " PER FOOT.

5) UNDERDRAIN OUTLET PIPE TO TERMINATE A MINIMUM OF 6" BEYOND GRANULAR BACKFILL FOR STRUCTURES. ENDS OF UNDERDRAIN OUTLET PIPE WILL BE PROTECTED FROM DAMAGE DURING PLACEMENT OF STONE FILL TYPE IV. ANY DAMAGED SECTIONS OF PIPE SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTORS EXPENSE.

6) PAYMENT FOR ALL UNDERDRAIN PIPES SHALL BE UNDER ITEM 605.1006, "UNDERDRAIN PIPE, 6 INCH".

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)



FILE NAME: z19j223et.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
EARTHWORK TYPICAL SECTION

PLOT DATE: 5/29/2025
DRAWN BY: T. MAROQUETTE
CHECKED BY: C. JENNE
SHEET 4 OF 102

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2024, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, DATED 2020.
2. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
3. THE REMOVAL OF EXISTING STRUCTURE WILL BE PAID FOR UNDER ITEM 529.2000, "PARTIAL REMOVAL OF STRUCTURE." THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE REMOVAL OF:
 - A. APPROACH SLABS
 - B. APPROACH RAILING AND BRIDGE RAILING
 - C. SIDEWALKS
 - D. DECK AND SUPERSTRUCTURE
 - E. PORTIONS OF EXISTING ABUTMENTS AND WINGWALLS AS SHOWN IN THE PLANS
 - F. PORTIONS OF THE EXISTING WINGWALLS AND RETAINING WALLS WITHIN THE LIMITS OF THE PROPOSED SUBSTRUCTURE
 - G. PIERS AND PIER FOOTINGS
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION. COSTS FOR UTILITY PROTECTION SHALL BE CONSIDERED INCIDENTAL TO ALL PROJECT ITEMS. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
5. THE EXISTING SIGN AT THE SOUTHEAST CORNER OF THE N/F WESCO REALTY, LLC, PROPERTY SHALL BE REMOVED AND RESET. THE PROPOSED LOCATION OF THE SIGN SHALL BE APPROVED BY THE ENGINEER. A TEMPORARY STANDALONE SIGN TO ADVERTISE FUEL PRICES SHALL BE INSTALLED FOR THE DURATION THAT A PERMANENT SIGN IS NOT IN PLACE. THE TEMPORARY SIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. PAYMENT FOR THE TEMPORARY AND PERMANENT SIGNS SHALL BE INCLUDED UNDER ITEM 675.6000002, "REMOVE AND RESET PRIVATE SIGN ASSEMBLY, LIGHTED".

TRAFFIC CONTROL

1. TRAFFIC MANAGEMENT WILL BE ACCOMPLISHED USING AN OFF-SITE LOCAL DETOUR ON WATER STREET AND WALL STREET, AND A TRUCK DETOUR ON VT-64/1-89/US-2 DURING A 12 WEEK BRIDGE CLOSURE PERIOD. A BICYCLE/PEDESTRIAN DETOUR VIA LOCAL ROADS WILL BE SIGNED AS SHOWN. REFER TO "TRAFFIC CONTROL PLAN" SHEET FOR ADDITIONAL INFORMATION PERTAINING TO TRAFFIC CONTROL.
7. THE SIDEWALK AND CURB ADJACENT TO THE WESCO FUEL PUMP ISLAND WILL BE REMOVED TO MAINTAIN ACCESS TO THE FUEL PUMPS DURING THE BRIDGE CLOSURE PERIOD.
8. THE COST TO MAINTAIN ACCESS TO EACH PROPERTY WILL BE INCLUDED IN THE PAYMENT OF ITEM 641000, "TRAFFIC CONTROL, ALL-INCLUSIVE."

EPSC

9. FOR THE WET CROSSING, ALL CONSTRUCTION EQUIPMENT SHALL BE CLEAN AND WELL MAINTAINED, FREE OF FUEL, HYDRAULIC AND GEAR OIL LEAKS.

EARTHWORK AND RELATED ITEMS

10. THE "STONE FILL TYPE IV" UNDER THE BRIDGE AS SHOWN IN THE PLANS SHALL BE PLACED BEFORE THE NEW STEEL ORDERS ARE SET.

STRUCTURAL STEEL

11. ALL FIELD CONNECTIONS SHALL BE MADE USING $\frac{3}{4}$ " DIAMETER BOLTS IN $\frac{3}{4}$ " DIAMETER HOLES, PER SECTION 506.08, UNLESS OTHERWISE SPECIFIED.
12. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.01.
13. ANY CONNECTIONS THAT ARE NOT DETAILED ON THE PLANS SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE STRUCTURE ENGINEER FOR APPROVAL.
14. STRUCTURAL STEEL MEMBERS DESIGNATED "CVN" IN THE PLANS SHALL BE CHIPPY V-NOTCH TESTED IN ACCORDANCE WITH SUBSECTION 714.04 OF THE STANDARD SPECIFICATIONS.
15. END OF ORDERS ARE TO BE VERTICAL IN THEIR FINAL POSITION.
16. AFTER SUPERSTRUCTURE STEEL HAS BEEN ERECTED, ELEVATIONS ALONG THE TOP OF THE ORDERS SHALL BE TAKEN AS DIRECTED BY THE RESIDENT ENGINEER, FOR USE IN DETERMINING THE HEIGHT OF DECK PANEL BEDDING STRIPS. AFTER THE DECK PANELS HAVE BEEN SET AND BEFORE THE HAUNCH POUR IS PLACED, THE CONTRACTOR SHALL RE-PROFILE THE TOP FLANGES OF THE ORDER AS DIRECTED BY THE RESIDENT ENGINEER, FOR USE IN DETERMINING SCREED RAIL ELEVATIONS AND CHAIR HEIGHTS FOR REINFORCING STEEL.

17. FLEMING BRACKETS OR SIMILAR FALSE WORK SHALL BE SPACED AS REQUIRED BY DESIGN BUT SHALL BE LIMITED TO A MAXIMUM SPACING OF 4 FEET. THE DESIGN OF FALSE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL EXTEND AT LEAST 75% OF THE DEPTH OF THE WEB.

PAVEMENT

18. AT BEGIN AND END BRIDGE, PRIOR TO GRINDING, THE $9\frac{1}{2}$ " DECK WILL BE $\frac{3}{4}$ " HIGHER THAN THE WEARING COURSE. INSTALL A TEMPORARY TAPER OR WEDGE OF BITUMINOUS CONCRETE PAVEMENT AT A MINIMUM SLOPE OF 4:30 PRIOR TO ALLOWING TRAFFIC ON THE BRIDGE. TAPER AND/OR WEDGE SHALL BE REMOVED WHEN DECK GRINDING OCCURS.

CONCRETE

19. THE APPROACH SLABS AND PORTIONS OF THE ABUTMENT BELOW THE BRIDGE SEAT ELEVATION SHALL BE PERFORMANCE-BASED CONCRETE, CLASS PCS AND SHALL BE PAID UNDER ITEM 501.3800, "PERFORMANCE-BASED CONCRETE, CLASS PCS." DECK CONCRETE (INCLUDING THE ABUTMENT CONCRETE ABOVE BRIDGE SEAT OR CAP ELEVATION), THE SIDEWALKS, AND MOMENT SLABS SHALL BE PERFORMANCE-BASED CONCRETE, CLASS PCD AND SHALL BE PAID UNDER ITEM 501.3700, "PERFORMANCE-BASED CONCRETE, CLASS PCD."
20. THE DECK SHALL BE CAST TO AN INITIAL THICKNESS OF $9\frac{1}{2}$ ". AFTER THE DECK HAS CURED AND BRIDGE RAIL AND SIDEWALK ARE INSTALLED THE ENTIRE BRIDGE DECK SURFACE AND PORTIONS OF THE BRIDGE APPROACHES SHALL BE GROUND FOR A RESULTING DECK THICKNESS OF 9 INCHES. PAYMENT WILL BE MADE UNDER ITEM 509.0500, "CONCRETE BRIDGE DECK SURFACE PREPARATION."
21. THE DECK SHALL BE POURED IN ONE CONTINUOUS POUR WITH A MAXIMUM DURATION OF EIGHT HOURS, EXCEPT FOR THE CLOSURE POUR SECTIONS AT THE ABUTMENTS WHICH SHALL BE PLACED AT LEAST 72 HOURS AFTER THE DECK POUR HAS BEEN COMPLETED. IF CIRCUMSTANCES BEYOND THE CONTRACTOR'S CONTROL PREVENT THE PLACEMENT IN ONE POUR, A TRANSVERSE CONSTRUCTION JOINT SHALL BE USED BETWEEN ADJACENT POURS. THE MINIMUM TIME DELAY BETWEEN ADJACENT DECK POURS SHALL BE INCLUDED IN THE CONTRACTOR'S PLACEMENT PLAN AND DISCUSSED DURING THE PRE-PLACEMENT MEETING.
22. WATER REPELLENT, SILANE, SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES, EXCEPT THE UNDERSIDES OF THE DECK BETWEEN DRIP NOTCHES.
23. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
24. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".

REINFORCING STEEL

25. ALL REINFORCING STEEL IN THE APPROACH SLABS SHALL MEET THE REQUIREMENTS FOR LEVEL 1 EPOXY COATED, ITEM 507.000, "REINFORCING STEEL, LEVEL 1 EPOXY COATED." ALL OTHER REINFORCING SHALL BE LEVEL II, IN ACCORDANCE WITH SECTION 507 OF THE STANDARD SPECIFICATIONS AND PAID FOR UNDER ITEM 507.0200, "REINFORCING STEEL, LEVEL II."
26. CUTTING AND REPAIRING DAMAGED AREAS OF COATED REINFORCING STEEL SHALL BE PERFORMED IN ACCORDANCE WITH SUBSECTION 507.04 OF THE STANDARD SPECIFICATIONS.

INTEGRAL ABUTMENT PILES

27. FOR ESTIMATING PURPOSES, THE PILE TIP ELEVATIONS WERE ASSUMED AS SHOWN ON THE BORING LOGS AND THE PROPOSED PILE SUMMARY TABLE. THE ACTUAL IN PLACE LENGTHS MAY VARY.
28. PROPOSED PILES SHALL BE IN ACCORDANCE WITH SUBSECTION 730.04 OF THE STANDARD SPECIFICATIONS.
29. PILES SHALL BE PRE-DRILLED PER THE REQUIREMENTS OF ITEM 546.0000, "PRE-EXCAVATION OF ABUTMENT PILES, EARTH," AND ITEM 546.2000, "PRE-EXCAVATION OF ABUTMENT PILES, ROCK" TO THE DEPTHS SHOWN ON THE PLANS. THE MINIMUM DIAMETER OF THE EXCAVATED HOLES FOR EACH PILE SHALL BE PER THE ABUTMENT PILE SUMMARY TABLE.
30. THE INTERIOR OF THE PRE-BORED HOLES SHOULD BE THOROUGHLY CLEANED OF SOIL AND DEBRIS PRIOR TO THE LOWERING OF THE PILE. A WEIGHTED TAPE SHOULD BE USED TO INSPECT THE BOTTOM OF THE HOLE FOR CLEANLINESS.
31. FOLLOWING THE PLACEMENT OF THE PILE, FILL THE ANNULUS BETWEEN THE PILE AND THE ROCK SOCKET WITH SELF-CONSOLIDATING CONCRETE (SCC) BY GRAVITY FROM THE LOWEST POINT OF THE SOCKET USING THE TREMIE METHOD. SCC PLACEMENT SHALL CONTINUE UNTIL UNCONTAMINATED CONCRETE SURPASSES THE LIMITS OF THE ROCK SOCKET, BUT DOES NOT EXTEND PAST THE LIMITS OF SCC SHOWN ON THE ABUTMENT PILE DETAIL SHEET. THE TEMPORARY CASING SHOULD BE EXTRACTED WHILE PLACING THE SCC SUCH THAT THE BOTTOM OF THE TEMPORARY CASING IS AT THE TOP OF THE CONCRETED SOCKET.

INTEGRAL ABUTMENT PILES (CONTINUED)

32. AFTER THE SCC HAS CURED, BACKFILL THE REMAINDER OF THE ANNULUS WITH CUSHION SAND AT ABUTMENT PILE LOCATIONS WHILE SIMULTANEOUSLY REMOVING THE TEMPORARY CASING. CUSHION SAND SHALL MEET THE REQUIREMENTS OF SECTION 703.03 OF THE STANDARD SPECIFICATIONS.
33. CONCRETE SHALL ACHIEVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5000 PSI AND MEET THE MATERIAL REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 707.06E1.
34. ALLOW CONCRETED SOCKETS TO CURE FOR A MINIMUM OF 24 HOURS PRIOR TO PRE-EXCAVATING WITHIN 3 SOCKET DIAMETERS OR BACKFILLING THE REST OF THE PILE SOCKET.
35. TOLERANCES FOR THE TOPS OF THE PILES AFTER BATTER AND ROTATION SHALL MEET THE REQUIREMENTS OF SECTION 505.04(B). PILE PLACEMENT SHALL NOT VARY FROM THE POSITION SHOWN ON THE PLANS BY MORE THAN 3 INCHES.
36. THE COMPRESSION RESISTANCE FACTOR FOR THE PROPOSED ROCK SOCKETS IS 0.50 FOR THE STRENGTH LIMIT STATE LOAD COMBINATION.

SOLDIER PILE RETAINING WALLS

37. WINGWALLS 2 & 3 SHALL BE SOLDIER PILE WALLS. PAYMENT FOR THESE WINGWALLS SHALL BE UNDER ITEM 225.030000, "SOLDIER PILE RETAINING WALLS".
38. CONTRACTOR SHALL SUBMIT THE ARCHITECTURAL CONCRETE FACING PATTERN TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTING.

WINGWALL PILES

39. FOR ESTIMATING PURPOSES, THE PILE TIP ELEVATIONS WERE ASSUMED AS SHOWN ON THE BORING LOGS AND THE PROPOSED PILE SUMMARY TABLE. THE ACTUAL IN PLACE LENGTHS MAY VARY.
40. PROPOSED PILES SHALL BE IN ACCORDANCE WITH SUBSECTION 730.01 OF THE STANDARD SPECIFICATIONS.
41. PILES SHALL BE PRE-DRILLED PER THE REQUIREMENTS OF ITEM 546.0000, "PRE-EXCAVATION OF ABUTMENT PILES, EARTH," AND ITEM 546.2000, "PRE-EXCAVATION OF ABUTMENT PILES, ROCK" TO THE DEPTHS SHOWN ON THE PLANS. THE MINIMUM DIAMETER OF THE EXCAVATED HOLES FOR EACH PILE SHALL BE PER THE WINGWALL PILE SUMMARY TABLE.
42. THE INTERIOR OF THE PRE-BORED HOLES SHOULD BE THOROUGHLY CLEANED OF SOIL AND DEBRIS PRIOR TO THE LOWERING OF THE PILE. A WEIGHTED TAPE SHOULD BE USED TO INSPECT THE BOTTOM OF THE HOLE FOR CLEANLINESS.
43. FOLLOWING THE PLACEMENT OF THE PILE, FILL THE ANNULUS BETWEEN THE PILE AND THE ROCK SOCKET WITH SELF-CONSOLIDATING CONCRETE (SCC) BY GRAVITY FROM THE LOWEST POINT OF THE SOCKET USING THE TREMIE METHOD. THE SCC PLACEMENT SHALL CONTINUE UNTIL THE BOTTOM OF THE CONCRETE WALL PANELS AS SHOWN ON THE WINGWALL PILE DETAIL SHEET. THE TEMPORARY CASING SHOULD BE EXTRACTED WHILE PLACING THE SCC SUCH THAT THE BOTTOM OF THE TEMPORARY CASING IS AT THE TOP OF THE CONCRETED SOCKET.
44. AFTER THE SCC HAS CURED, BACKFILL THE REMAINDER OF THE ANNULUS WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM) AT PILE LOCATIONS WHILE SIMULTANEOUSLY REMOVING THE TEMPORARY CASING. CUSHION SAND SHALL MEET THE REQUIREMENTS OF SECTION 703.03 OF THE STANDARD SPECIFICATIONS.
45. CONCRETE SHALL ACHIEVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5000 PSI AND MEET THE MATERIAL REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 707.06E1.
46. ALLOW CONCRETED SOCKETS TO CURE FOR A MINIMUM OF 24 HOURS PRIOR TO PRE-EXCAVATING WITHIN 3 SOCKET DIAMETERS OR BACKFILLING THE REST OF THE PILE SOCKET.
47. TOLERANCES FOR THE TOPS OF THE PILES AFTER BATTER AND ROTATION SHALL MEET THE REQUIREMENTS OF SECTION 505.04(B). TOLERANCES FOR THE PLACEMENT OF THE WINGWALL PILES SHALL ALSO MEET THE REQUIREMENTS OF SECTION 505.04(B).
48. THE COMPRESSION RESISTANCE FACTOR FOR THE PROPOSED ROCK SOCKETS IS 0.50 FOR THE STRENGTH LIMIT STATE LOAD COMBINATION.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)
FILE NAME: z19123no*ea.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
GENERAL NOTES SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 5 OF 102

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
										GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
										80000		DL	INCENTIVE OR DISINCENTIVE (N.A.B.L.)	196.8101				
										1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.1000				
										1200		CY	COMMON EXCAVATION	203.1500				
										5		CY	SOLID ROCK EXCAVATION	203.1600				
										15		CY	UNCLASSIFIED EXCAVATION	203.1700				
										1950		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.2700				
										900		CY	TRENCH EXCAVATION OF EARTH	204.2000				
										1		CY	TRENCH EXCAVATION OF ROCK	204.2100				
										1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.L.)	204.2200				
										748		CY	STRUCTURE EXCAVATION	204.2500				
										699		CY	GRANULAR BACKFILL FOR STRUCTURES	204.3000				
										230		SY	COARSE MILLING, BITUMINOUS PAVEMENT	210.1000				
										1		LS	RETAINING WALL, CAST-IN-PLACE CONCRETE (WINGWALL 2)	225.0300				
										1		LS	RETAINING WALL, CAST-IN-PLACE CONCRETE (WINGWALL 3)	225.0300				
										1		LS	RETAINING WALL, CONCRETE (WINGWALL 1)	225.0500				
										1		LS	RETAINING WALL, CONCRETE (WINGWALL 4)	225.0500				
										500000		DL	DISPOSAL OF CONTAMINATED MATERIALS (N.A.B.L.)	230.0010				
										1		LS	PROJECT OPERATIONS PLAN	230.0030				
										1		LS	PROJECT OPERATIONS COMPLETION REPORT	230.0040				
										480		HR	ENVIRONMENTAL OVERSIGHT	230.0050				
										1		LS	MANAGEMENT OF CONTAMINATED GROUNDWATER	230.0090				
										848		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.3500				
										100		CWT	TACK COAT, EMULSIFIED ASPHALT	404.1100				
										155		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II	406.0230				
										136		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II	406.0330				
										220		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II	406.0430				
										310		SY	BITUMINOUS CONCRETE PAVEMENT, NON-PAVER PLACED, TYPE IIS	406.3400				
										1		DL	PAY ADJUSTMENT, BCP, MIXTURE PROPERTIES (N.A.B.L.)	406.8100				
										355		CY	PERFORMANCE-BASED CONCRETE, CLASS PCD	501.3700				
										145		CY	PERFORMANCE-BASED CONCRETE, CLASS PCS	501.3800				
										1		LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.1000				
										364		LF	STEEL PILING, HP 12 x 84	505.1850				
										2		EACH	DYNAMIC PILE LOADING TEST	505.4500				
										327200		LB	STRUCTURAL STEEL, PLATE GIRDER	506.5500				
										7800		LB	REINFORCING STEEL, LEVEL I	507.1100				
										101100		LB	REINFORCING STEEL, LEVEL II	507.1200				
										1		LS	SHEAR CONNECTORS (1874 - 7/8 X 7/16)	508.1500				
										5384		SF	CONCRETE BRIDGE DECK SURFACE PREPARATION	509.1500				
										5578		SF	PRESMISSED CONCRETE DECK PANELS	510.4000				
										50		GAL	WATER REPELLENT, SILANE	514.1000				

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)



FILE NAME: z:\223\quantities.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY:
QUANTITIES SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 6 OF 102

QUANTITY SHEET 2



QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
										GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
										1280		LF	DURABLE 6 INCH WHITE LINE, EPOXY PAINT	648.4230				
										12		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	648.4930				
										80		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	648.5020				
												SY	GEOTEXTILE UNDER STONE FILL	649.3100				
										1780		SY	TURF ESTABLISHMENT, GENERAL SEED	651.1500				
										198		CV	TOPSOIL	651.3500				
										510		SY	GRUBBING MATERIAL	651.4000				
										1		LS	EPSC PLAN	653.0100				
										80		HR	MONITORING EPSC PLAN	653.0200				
										3000		DL	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	653.0300				
										1		TON	HAY MULCH	653.1000				
										282		SY	ROLLED EROSION CONTROL PRODUCT, TYPE I	653.2001				
										120		CV	STABILIZED CONSTRUCTION ENTRANCE	653.3500				
										10		EACH	INLET PROTECTION DEVICE, TYPE I	653.4002				
										3		EACH	FILTER BAG	653.4500				
										280		LF	SILT FENCE, TYPE I	653.4702				
										800		LF	BARRIER FENCE	653.5000				
										1		LS	TREE PROTECTION	656.8500				
										45		SF	TRAFFIC SIGN, FLAT SHEET ALUMINUM	675.2000				
										87		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.3410				
										2		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.4300				
										3		EACH	SIGN REMOVAL, FLAT SHEET ALUMINUM	675.5000				
										4		EACH	RESETTING SIGNS	675.6000				
										1		EACH	REMOVE AND RESET PRIVATE SIGN ASSEMBLY, LIGHTED	675.6000002				
										4		EACH	DELINEATOR WITH STEEL POST	676.1000				
										1		EACH	REMOVE AND RESET LIGHT POLE	676.2500				
										1		DL	PRICE ADJUSTMENT, ASPHALT (N.A.B.I.)	690.0300				
										1		DL	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.0400				
										20		LF	F-164 S.I FENCE	889.5150				

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)



FILE NAME: z:\9\223\quantities.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY:
QUANTITIES SHEET 3

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 8 OF 102

EARTHWORKS

PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 024K(58)

FILE NAME: z19j223ews.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
EARTHWORK SHEET

PLOT DATE: 5/29/2025
DRAWN BY: J. DIAZ
CHECKED BY: C. JENNE
SHEET 9 OF 102

GENERAL INFORMATION

SYMBOLOLOGY LEGEND NOTE

THE SYMBOLOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOLOGY. THE SYMBOLOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	BF	BARRIER FENCE
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	PDF	PROJECT DEMARCATION FENCE
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	R.T. & I.	RIGHT, TITLE, AND INTEREST
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
	■	BOUND SET
	□	BOUND TO BE SET
	●	IRON PIN FOUND
	⊙	IRON PIN TO BE SET
	⊠	EXISTING ROW POINT
	○	PROW
	[LENGTH]	LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
■	APL	BOUND APPARENT LOCATION
•	BM	BENCHMARK
•	BND	BOUND
⊠	CB	CATCH BASIN
○	COMB	COMBINATION POLE
⊠	DITHR	DROP INLET THROATED DNC
○	EL	ELECTRIC POWER POLE
•	FPOLE	FLAGPOLE
○	GASFIL	GAS FILLER
○	GP	GUIDE POST
•	GSD	GAS SHUT OFF
•	GUY	GUY POLE
•	GUYW	GUY WIRE
•	GV	GATE VALVE
⊠	H	TREE HARDWOOD
⊠	HCTRL	CONTROL HORIZONTAL
⊠	HVCTRL	CONTROL HORIZ. & VERTICAL
○	HYD	HYDRANT
•	IP	IRON PIN
•	IPIPE	IRON PIPE
○	LI	LIGHT - STREET OR YARD
⊠	MB	MAILBOX
○	MH	MANHOLE (MH)
•	MM	MILE MARKER
•	PM	PARKING METER
•	PMK	PROJECT MARKER
•	POST	POST STONE/WOOD
⊠	RRSIG	RAILROAD SIGNAL
•	RRSL	RAILROAD SWITCH LEVER
•	S	TREE SOFTWOOD
•	SAT	SATELLITE DISH
⊠	SHRUB	SHRUB
•	SIGN	SIGN
⊠	STUMP	STUMP
○	TEL	TELEPHONE POLE
•	TIE	TIE
⊠	TSIGN	SIGN W/DOUBLE POST
•	VCTRL	CONTROL VERTICAL
•	WELL	WELL
•	WSO	WATER SHUT OFF

THESE ARE COMMON VDOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADIUS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE
CB	CHORD BEARING

UTILITY SYMBOLOLOGY

UNDERGROUND UTILITIES

UGU	UTILITY (GENERIC-UNKNOWN)
UT	TELEPHONE
UE	ELECTRIC
UC	CABLE (TV)
UEC	ELECTRIC+CABLE
UET	ELECTRIC+TELEPHONE
UCT	CABLE+TELEPHONE
UECT	ELECTRIC+CABLE+TELEPHONE
G	GAS LINE
W	WATER LINE
S	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

AGU	UTILITY (GENERIC-UNKNOWN)
T	TELEPHONE
E	ELECTRIC
C	CABLE (TV)
EC	ELECTRIC+CABLE
ET	ELECTRIC+TELEPHONE
AER E&T	ELECTRIC+TELEPHONE
CT	CABLE+TELEPHONE
ECT	ELECTRIC+CABLE+TELEPHONE
---	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOLOGY

---	CZ	CLEAR ZONE
---	---	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

---	---	TOP OF CUT SLOPE
---	---	TOE OF FILL SLOPE
---	---	STONE FILL
---	---	BOTTOM OF DITCH
---	---	CULVERT PROPOSED
---	---	STRUCTURE SUBSURFACE
---	---	PROJECT DEMARCATION FENCE
---	---	BARRIER FENCE
---	---	TREE PROTECTION ZONE (TPZ)
---	---	STRIPING LINE REMOVAL
---	---	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOLOGY

BOUNDARY LINES

=====	TOWN BOUNDARY LINE
=====	COUNTY BOUNDARY LINE
=====	STATE BOUNDARY LINE
-----	PROPOSED STATE R.O.W. (LIMITED ACCESS)
-----	PROPOSED STATE R.O.W.
-----	STATE ROW (LIMITED ACCESS)
-----	STATE ROW
-----	TOWN ROW
-----	PERMANENT EASEMENT LINE (P)
-----	TEMPORARY EASEMENT LINE (T)
-----	SURVEY LINE
-----	PROPERTY LINE (P/L)

SR	SLOPE RIGHTS
6F	6F PROPERTY BOUNDARY
4F	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOLOGY

EPSC MEASURES

---	---	FILTER CURTAIN
---	---	SILT FENCE
---	---	SILT FENCE WOVEN WIRE
---	---	CHECK DAM
---	---	DISTURBED AREAS REQUIRING RE-VEGETATION
---	---	EROSION MATTING
---	---	EROSION LOG

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLOLOGY

ENVIRONMENTAL RESOURCES

---	---	WETLAND BOUNDARY
---	---	RIPARIAN BUFFER ZONE
---	---	WETLAND BUFFER ZONE
---	---	SOIL TYPE BOUNDARY
---	---	THREATENED & ENDANGERED SPECIES
---	HAZ	HAZARDOUS WASTE AREA
---	AG	AGRICULTURAL LAND
---	HABITAT	FISH & WILDLIFE HABITAT
---	---	FLOOD PLAIN
---	OHW	ORDINARY HIGH WATER (OHW)
---	---	STORM WATER
---	---	USDA FOREST SERVICE LANDS
---	---	WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

---	ARCH	ARCHEOLOGICAL BOUNDARY
---	HISTORIC DIST	HISTORIC DISTRICT BOUNDARY
---	HISTORIC	HISTORIC AREA
---	(H)	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOLOGY

EXISTING FEATURES

---	---	ROAD EDGE PAVEMENT
---	---	ROAD EDGE GRAVEL
---	---	DRIVEWAY EDGE
---	---	DITCH
---	---	FOUNDATION
---	---	FENCE (EXISTING)
---	---	FENCE WOOD POST
---	---	FENCE STEEL POST
---	---	GARDEN
---	---	ROAD GUARDRAIL
---	---	RAILROAD TRACKS
---	---	CULVERT (EXISTING)
---	---	STONE WALL
---	---	WALL
---	---	WOOD LINE
---	---	BRUSH LINE
---	---	HEDGE
---	---	BODY OF WATER EDGE
---	---	LEDGE EXPOSED

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: a191223symlegend.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: VTRANS
CONVENTIONAL SYMBOLOLOGY LEGEND

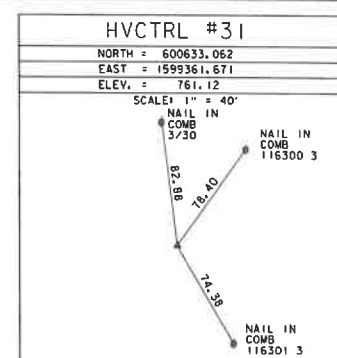
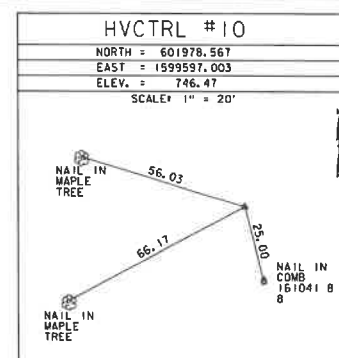
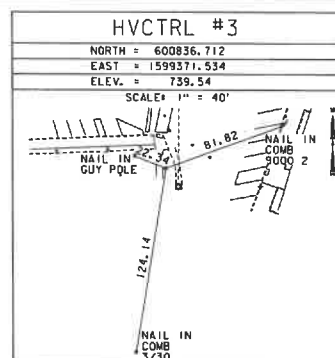
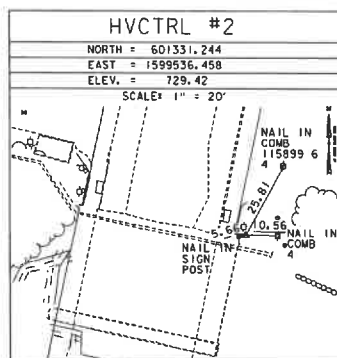
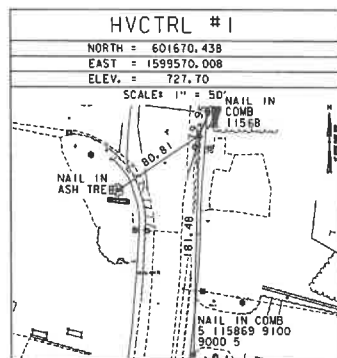
PLOT DATE: 5/29/2025
DRAWN BY: VTRANS
CHECKED BY: VTRANS
SHEET 10 OF 102

GPS CONTROL POINTS

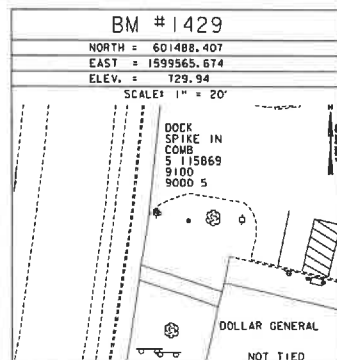
STATE PLANE COORDINATES WERE DERIVED THROUGH THE USE OF RTK GPS UTILIZING THE VERMONT CORS SYSTEM
POINTS ONE AND TWO WERE OCCUPIED WITH LEICA GS15 GNSS UNITS, POINTS THREE, TEN, AND THIRTY ONE WERE CREATED WITH A
LEICA TS16
ROBOTIC TOTAL STATION

VCAP
NORTH = 642,229.41
EAST = 1,618,836.27
ORTHO HEIGHT = 617.5
This is a GPS Continuously Operating Reference Station.
VERMONT CAPITAL CORS ARP
CORS.ID - VTRU
PID - AF9563
STATE/COUNTRY- VT/WASHINGTON
COUNTRY - US
USGS QUAD - MONTEPELIER (1968)
U.S. NATIONAL GRID SPATIAL ADDRESS: 18TX09297703812
INAD 83)
MARKER: STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA

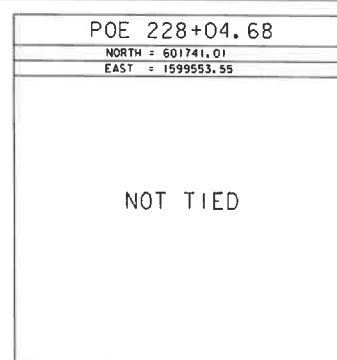
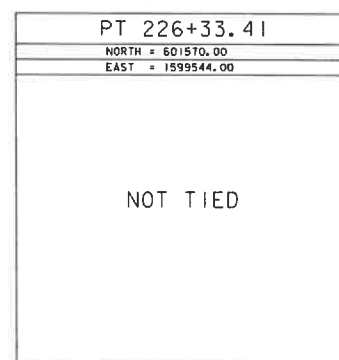
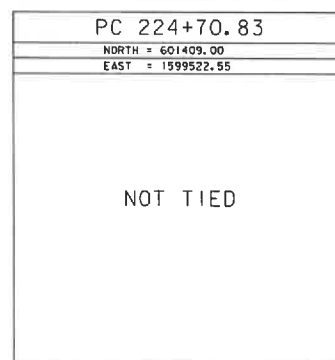
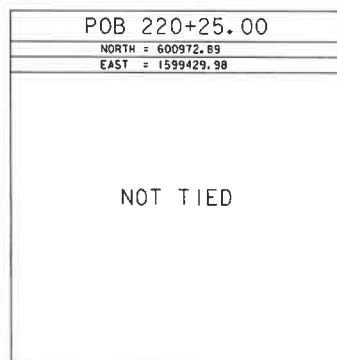
TRAVERSE TIES



TRAVERSE TIES



ALIGNMENT TIES



DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (2011)
ADJUSTMENT Least Sq.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(158)

FILE NAME: 219J22311.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
SURVEY TIE SHEET

PLOT DATE: 5/29/2025
DRAWN BY: S. BROWN
CHECKED BY: K. HO
SHEET 11 OF 102

E-STONE, TYPE I

STA 223+17.9 - STA 223+26.4
STA 223+54.5 - STA 223+63.0

REMOVAL OF EXISTING FENCE

STA 222+43.2 - STA 222+59.3 RT

WHITE PICKET FENCE (ITEM 699.5150)

STA 222+43.2 - STA 222+59.3 RT

COARSE MILLING, BITUMINOUS

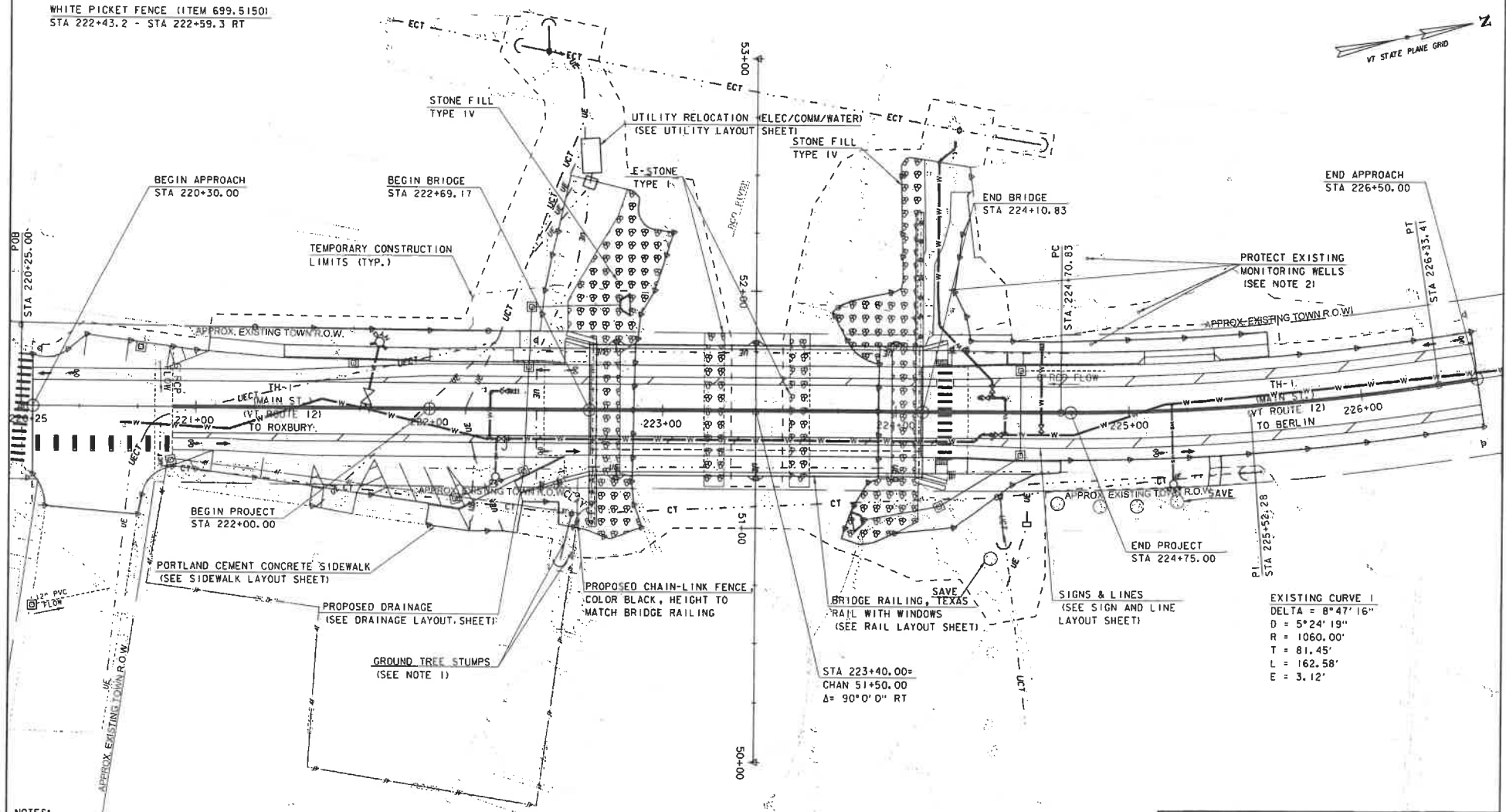
CONCRETE
STA 220+30.0 - STA 221+07.0
STA 226+25.0 - STA 226+50.0

STONE FILL, TYPE IV

STA 222+59.1 - STA 223+4.4
STA 223+72.6 - STA 224+12.5

RETAINING WALL, PRECAST CONCRETE

STA 222+58.7 - STA 222+68.5 LT
STA 224+11.5 - STA 224+21.3 RT



NOTES:

1. PAYMENT FOR STUMP GRINDING SHALL BE INCLUDED IN THE PAYMENT FOR ITEM 201.1000, CLEARING AND GRUBBING INCLUDING INDIVIDUAL TREES AND STUMPS (LS).
2. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING MONITORING WELLS DURING CONSTRUCTION. COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

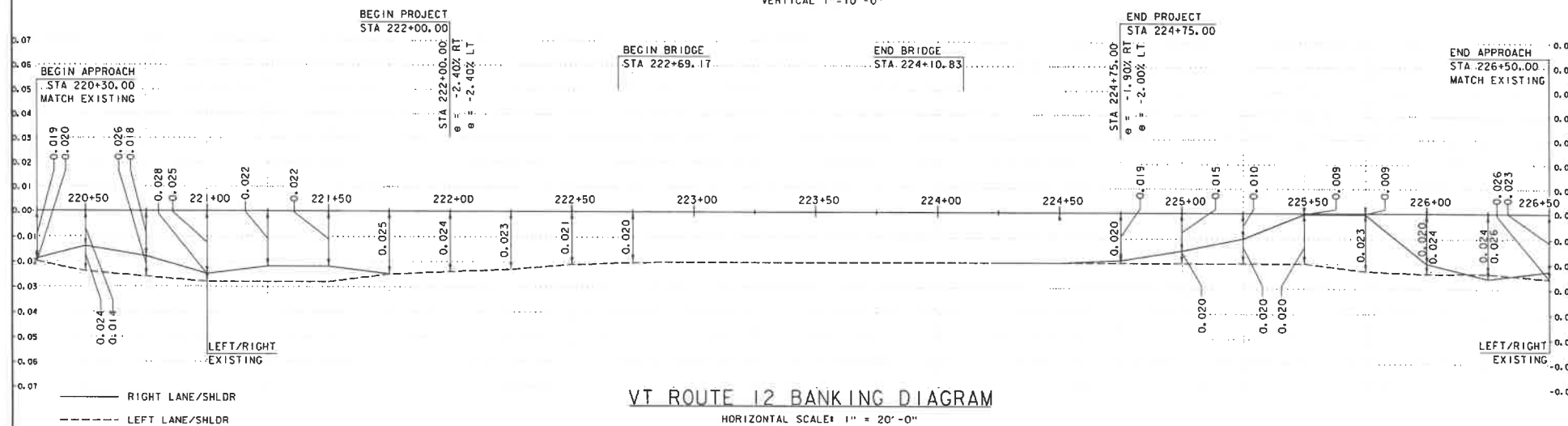
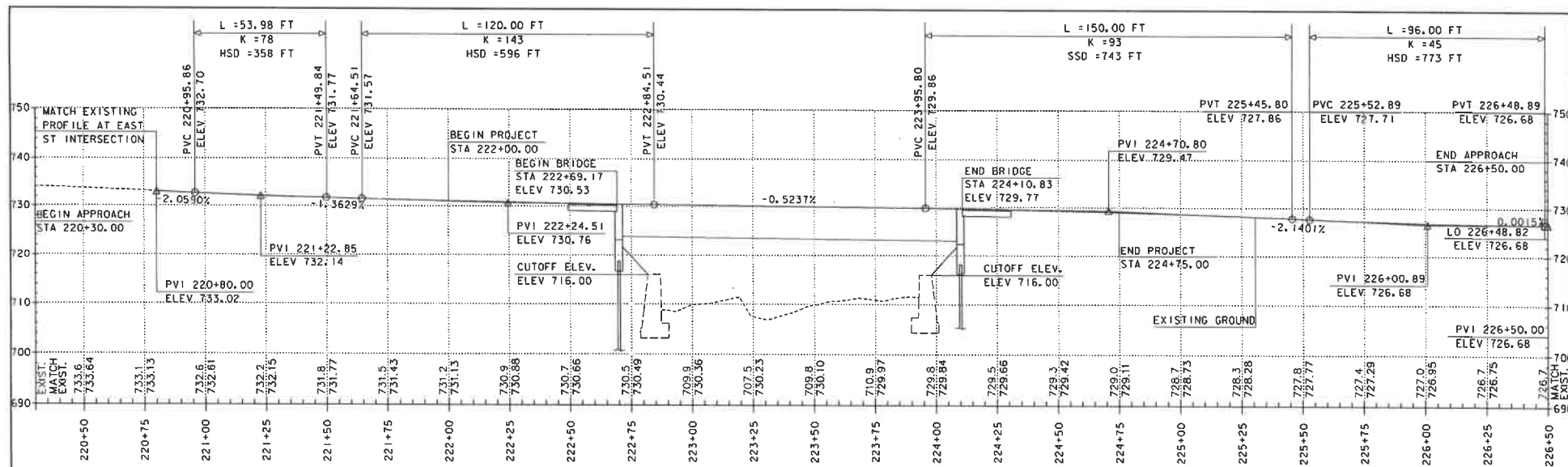
SCALE 1" = 20' - 0"
20 0 20



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z:\223bdr.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
LAYOUT SHEET

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 12 OF 102



NOTE:
 GRADES SHOWN TO THE NEAREST
 TENTH ARE EXISTING GROUND ALONG &
 GRADES SHOWN TO THE NEAREST
 HUNDREDTH ARE FINISH GRADE ALONG &



PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)
FILE NAME:	z19j223profile.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
PROFILE AND BANKING DIAGRAM	
PLOT DATE:	5/29/2025
DRAWN BY:	T. MAROINETTE
CHECKED BY:	C. JENNE
SHEET 13	OF 102

PORTLAND CEMENT CONCRETE

SIDEWALK, 5 INCH

STA 221+37.7 - STA 222+00.0 LT
STA 222+35.9 - STA 222+57.9 LT
STA 224+54.5 - STA 225+04.5 LT
STA 225+40.5 - STA 225+61.6 LT
STA 222+00.0 - STA 222+19.0 RT
STA 222+36.5 - STA 222+57.9 RT
STA 224+22.1 - STA 224+70.8 RT

PORTLAND CEMENT CONCRETE

SIDEWALK, 8 INCH

STA 221+05.8 - STA 221+37.7 LT
STA 222+00.0 - STA 222+35.9 LT
STA 224+22.1 - STA 224+54.5 LT
STA 225+04.5 - STA 225+40.5 LT

VERTICAL GRANITE CURB

STA 221+37.7 - STA 222+00.0 LT
STA 222+35.9 - STA 222+57.9 LT
STA 222+13.0 - STA 222+19.0 RT
STA 222+36.5 - STA 222+57.9 RT
STA 224+22.1 - STA 225+61.6 LT
STA 224+22.1 - STA 224+50.8 RT

REMOVING AND RESETTNG CURB

STA 222+00.0 - STA 222+13.0 RT
STA 224+50.8 - STA 224+70.8 RT

DETECTABLE WARNING SURFACE

STA 224+21.2 LT
STA 224+21.2 RT

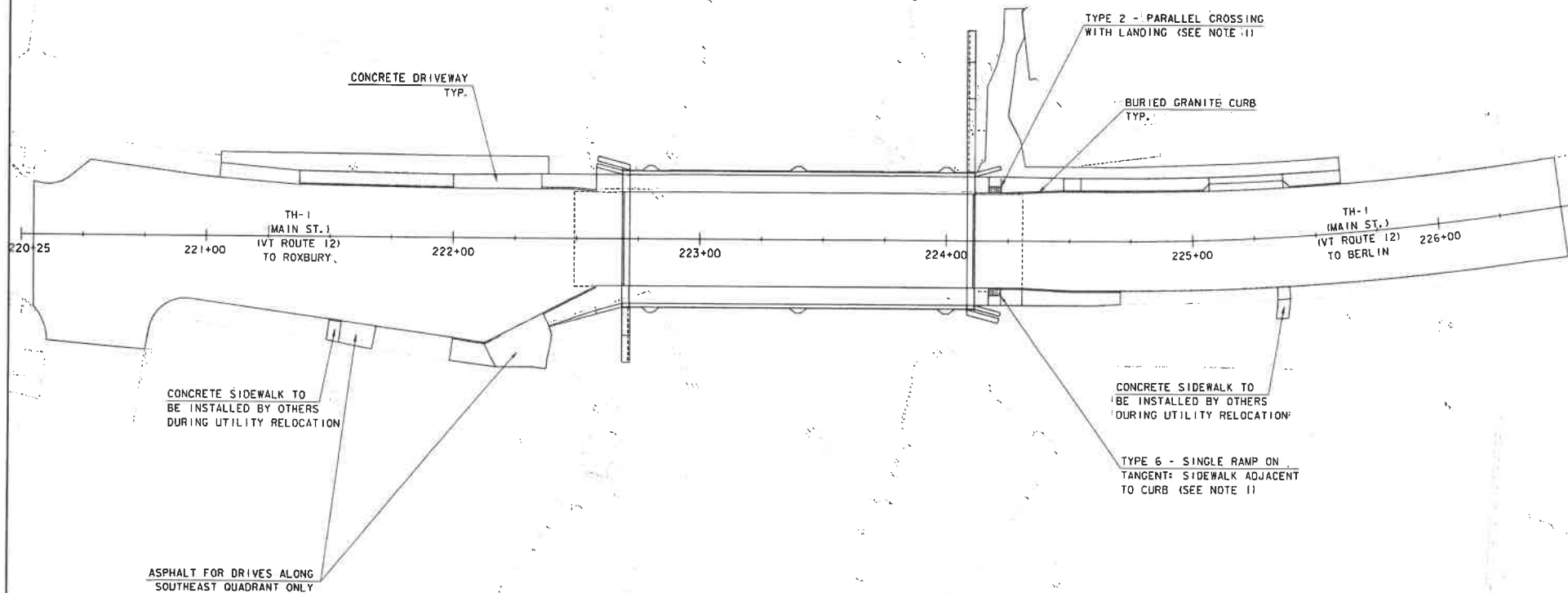
BITUMINOUS CONCRETE PAVEMENT

TYPE 1VS, 0A TIER III (DRIVES)
STA 221+05.8 - STA 222+35.9 LT
STA 224+15.0 - STA 225+61.6 LT
STA 221+54.9 - STA 221+69.0 RT
STA 222+12.8 - STA 222+40.3 RT

PORTLAND CEMENT CONCRETE

SIDEWALK, 5 INCH (BY OTHERS)

STA 221+49.4 - STA 221+54.9 RT
STA 225+33.4 - STA 225+38.2 RT



NOTES

1. ADA CURB RAMP TYPE 2 SHALL FOLLOW DETAIL SHOWN ON VTRANS STD. C-2A.
ADA CURB RAMP TYPE 6 SHALL FOLLOW DETAIL SHOWN ON VTRANS STD. C-3B.

SCALE 1" = 20'-0"
20 0 20



PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 0241(58)

FILE NAME: z191223bdr_sidewalk.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: K. HO

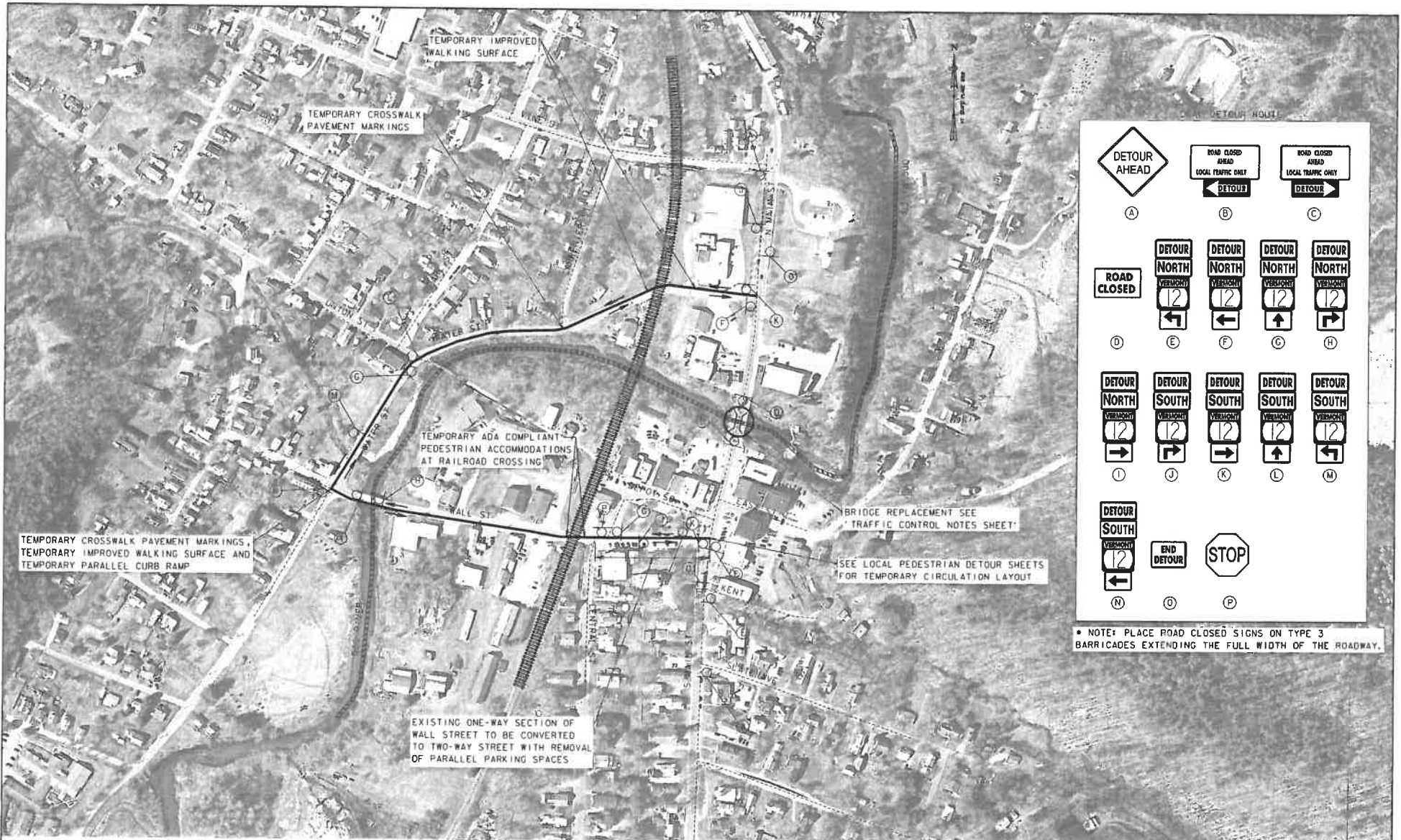
SIDEWALK LAYOUT SHEET

PLOT DATE: 5/29/2025

DRAWN BY: T. MARQUETTE

CHECKED BY: K. HO

SHEET 14 OF 102



NOTES:

1. REFER TO LOCAL PEDESTRIAN DETOUR SHEETS FOR ADDITIONAL DETAILS.
2. SIDEWALK AND DRIVEWAY ACCESS TO COMMERCIAL BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024K(58)

FILE NAME: z19j223detour.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
LOCAL DETOUR ROUTE

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 16 OF 102

TRAFFIC CONTROL NOTES

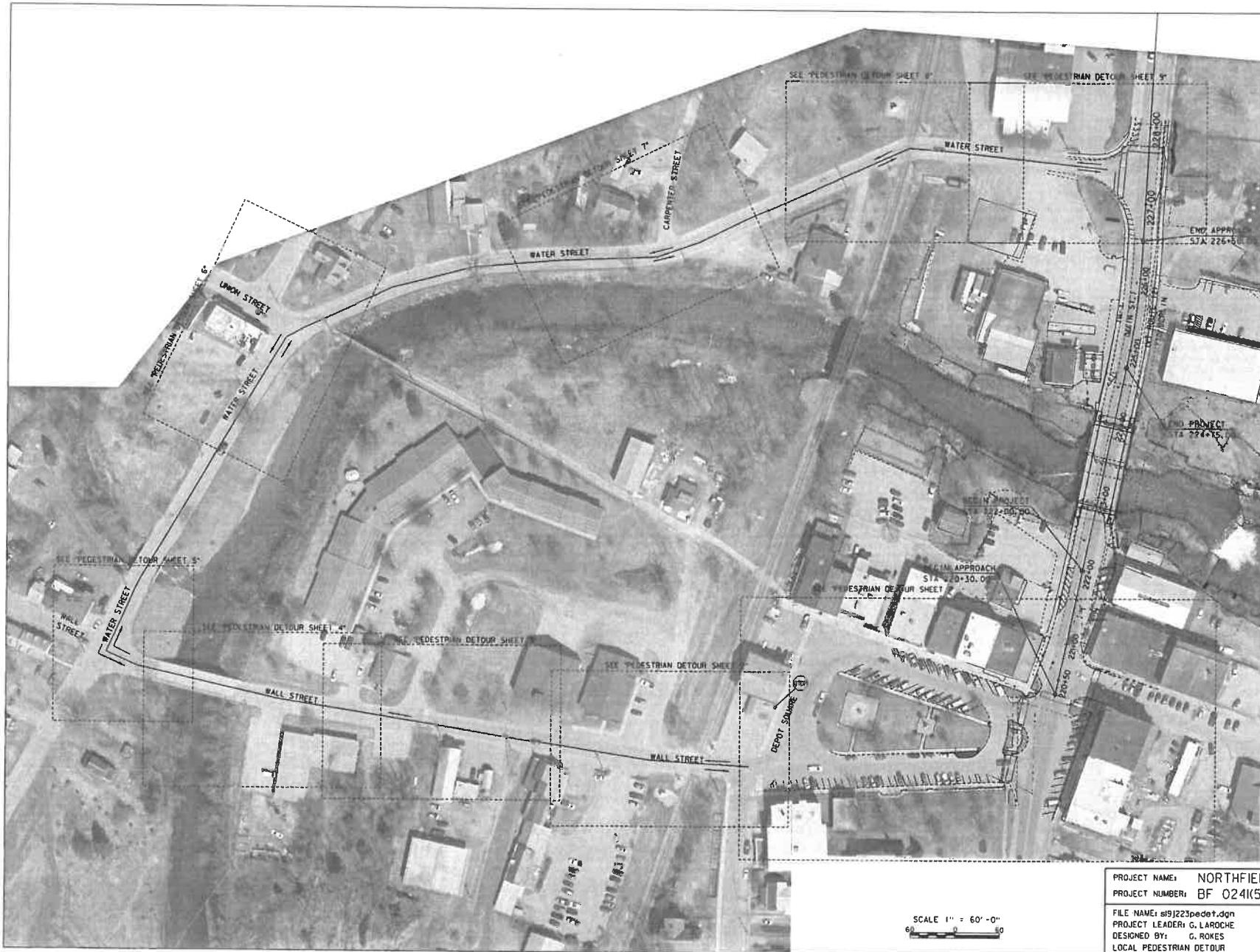
1. TRAFFIC MANAGEMENT WILL BE ACCOMPLISHED USING AN OFF-SITE LOCAL DETOUR ON WATER STREET AND WALL STREET, AND A TRUCK DETOUR ON VT-64/1-89/US-2 DURING A 12 WEEK BRIDGE CLOSURE PERIOD.
2. A BICYCLE/PEDESTRIAN DETOUR VIA LOCAL ROADS WILL BE SIGNED AS SHOWN.
3. SIDEWALK AND DRIVEWAY ACCESS TO COMMERCIAL BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
4. TRAFFIC FROM GAS STATION ON NORTH SIDE OF BRIDGE TO USE PORTION OF DRIVEWAY AS EGRESS.
5. A PORTION OF THE GAS STATION DRIVEWAY WILL BE CLOSED WITH TEMPORARY CONCRETE BARRIERS FOR WORK ZONE PURPOSES.
6. EXISTING ONE-WAY SECTION OF WALL STREET TO BE CONVERTED TO TWO-WAY STREET WITH REMOVAL OF PARALLEL PARKING SPACES. SEE DWG FOR DETAILS.
7. PAYMENT FOR ALL ELEMENTS ASSOCIATED WITH WORK ZONE TRAFFIC CONTROL SHALL BE INCLUDED UNDER 'ITEM 641.000 - TRAFFIC CONTROL', UNLESS OTHERWISE NOTED ON THE PLANS.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) FOR REVIEW AND WRITTEN APPROVAL BY THE RESIDENT ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC.
2. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), PART 6.
3. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES, COMMERCIAL PROPERTIES AND TRANSIT STOPS. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
4. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK. IF POSSIBLE, SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE MUST BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE FIRM, STABLE AND SLIP-RESISTANT AND CONTINUOUS WITH A MINIMUM 80 INCHES OVERHEAD CLEARANCE FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
5. WHEN TEMPORARY CROSSWALKS ARE UTILIZED FOR THE TPAR, TEMPORARY DETECTABLE WARNINGS SHALL BE PLACED AT EACH END OF THE TEMPORARY CROSSWALKS. THE TEMPORARY CROSSWALK SHALL BE DELINEATED WITH TEMPORARY PAVEMENT MARKINGS OR TAPE. THE MARKINGS SHALL BE PARALLEL 12-INCH-WIDE WHITE LINES PLACED 7 FEET ON CENTER APART. IT SHOULD BE NOTED THAT CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 20 FEET IN ADVANCE OF MIDBLOCK CROSSWALKS. TEMPORARY CROSSWALK SIGNS SHALL BE PROVIDED FOR THE CROSSWALK.
6. IF THERE IS WORK OCCURRING OVER AN OPEN SIDEWALK, PROTECTIVE OVERHEAD COVERING MUST BE PROVIDED AS NECESSARY TO ENSURE PROTECTION FROM FALLING OBJECTS AND DRIPPING FROM OVERHEAD STRUCTURES. COVERED WALKWAYS SHOULD BE STURDILY CONSTRUCTED AND ADEQUATELY LIGHTED FOR NIGHTTIME USE.
7. INDIVIDUAL CHANNELIZING DEVICES, TAPE, OR ROPE USED TO CONNECT INDIVIDUAL DEVICES AND OTHER DISCONTINUOUS BARRIERS AND DEVICES, PAVEMENT MARKINGS ARE NOT DETECTABLE BY PERSONS WITH VISUAL DISABILITIES. THESE MEASURES DO NOT PROVIDE ACCEPTABLE PATH GUIDANCE ON TEMPORARY OR RE-ALIGNED SIDEWALKS OR OTHER PEDESTRIAN FACILITIES. PEDESTRIAN CHANNELIZING DEVICES SHALL INCLUDE A CONTINUOUSLY DETECTABLE BOTTOM AND TOP EDGE THROUGHOUT THE LENGTH OF THE FACILITY SUCH THAT IT CAN BE FOLLOWED BY PEDESTRIANS USING LONG CANES FOR GUIDANCE.
8. CHANNELIZING DEVICES ON BOTH SIDES OF THE TPAR SHALL INCLUDE A CONTINUOUS SOLID TOP AND BOTTOM RAILS. THE TOP EDGE OF THE TOP RAIL SHALL BE BETWEEN 32 INCHES AND 38 INCHES ABOVE THE GROUND LEVEL. THE BOTTOM RAIL SHALL BE AT LEAST 8 INCHES WIDE PER 11TH EDITION MUTCD, WITH THE BOTTOM EDGE OF THE BOTTOM RAIL SURFACE NO HIGHER THAN 2 INCHES ABOVE THE GROUND.
9. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROPOFFS, THEN CRASHWORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE 11TH EDITION MUTCD SHALL BE USED.
10. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
11. PROVISION OF THE TPAR AND ALL ITS ELEMENTS, INCLUDING BUT NOT LIMITED TO SIGNS, CHANNELIZING DEVICES, BARRICADES, TEMPORARY CURB RAMPS, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES IS TO BE PAID FOR INCIDENTAL TO TRAFFIC CONTROL (ITEM 641.000).
12. THE CONTRACTOR SHALL REVIEW AND USE THE "VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE", AVAILABLE ON VTRANS WEBSITE TO DESIGN AND IMPLEMENT TRAFFIC CONTROL FOR BICYCLE AND PEDESTRIAN INTO THEIR SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION.

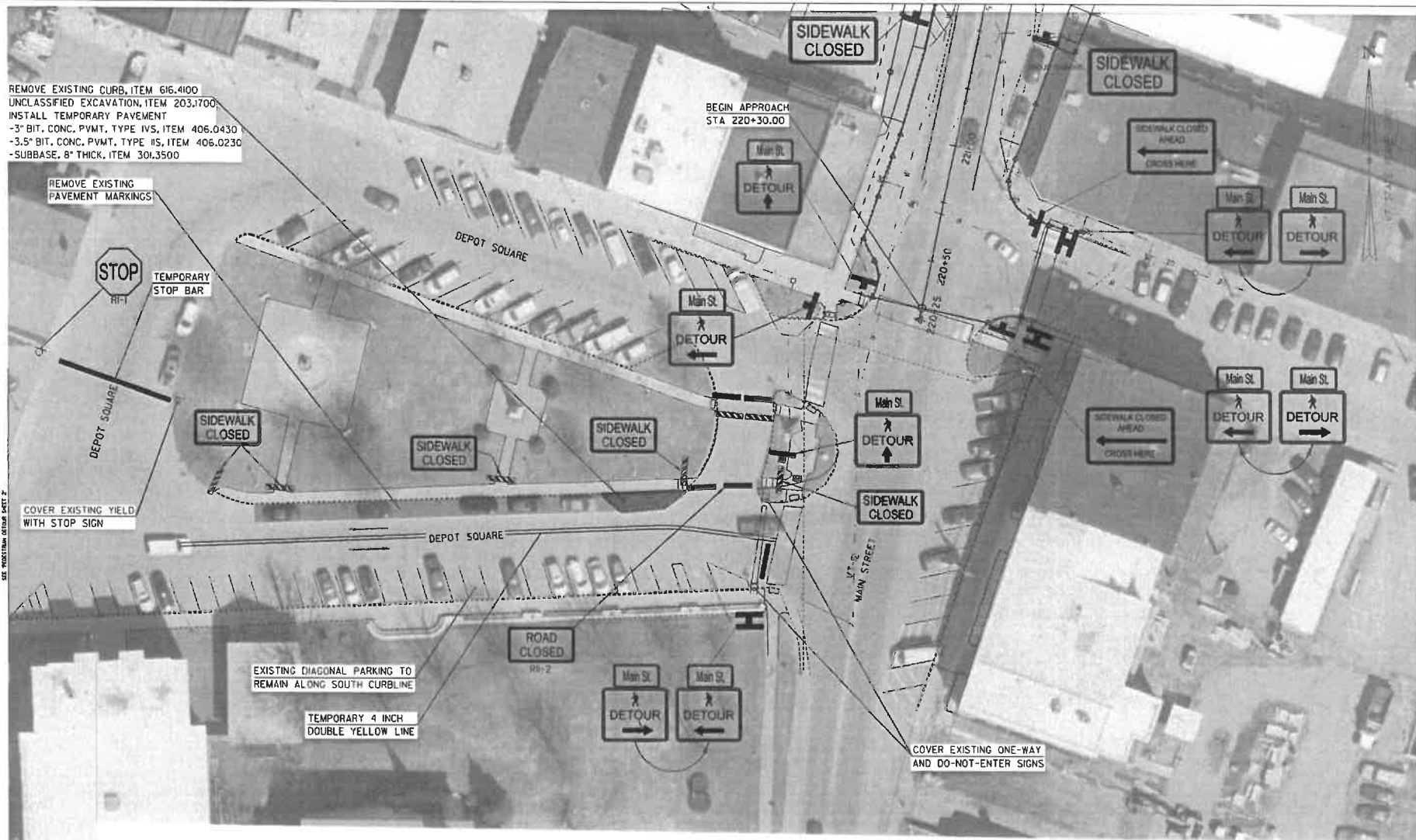


PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)
FILE NAME:	z19j223trafficNotes.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
TRAFFIC CONTROL NOTES	
PLOT DATE:	5/29/2025
DRAWN BY:	T. MARQUETTE
CHECKED BY:	C. JENNE
SHEET	17 OF 102



SCALE 1" = 60'-0"

PROJECT NAME:	NORTHFIELD	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 024(K58)	DRAWN BY:	G. LAROCHE
FILE NAME:	s19j223pedet.dgn	CHECKED BY:	G. LAROCHE
PROJECT LEADER:	G. LAROCHE	SHEET	18 OF 102
DESIGNED BY:	G. ROKES		
LOCAL PEDESTRIAN DETOUR			



NOTES:

1. PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM "VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE".
2. SIDEWALK AND DRIVEWAY ACCESS TO COMMERCIAL BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
3. ANY AREAS IMPACTED BY CONSTRUCTION SHALL BE RESTORED IN KIND TO PRE-CONSTRUCTION CONDITIONS PRIOR TO PROJECT COMPLETION.

NOTE: SEE TPAR NOTES SHEET

SCALE 1" = 20'-0"
20 20

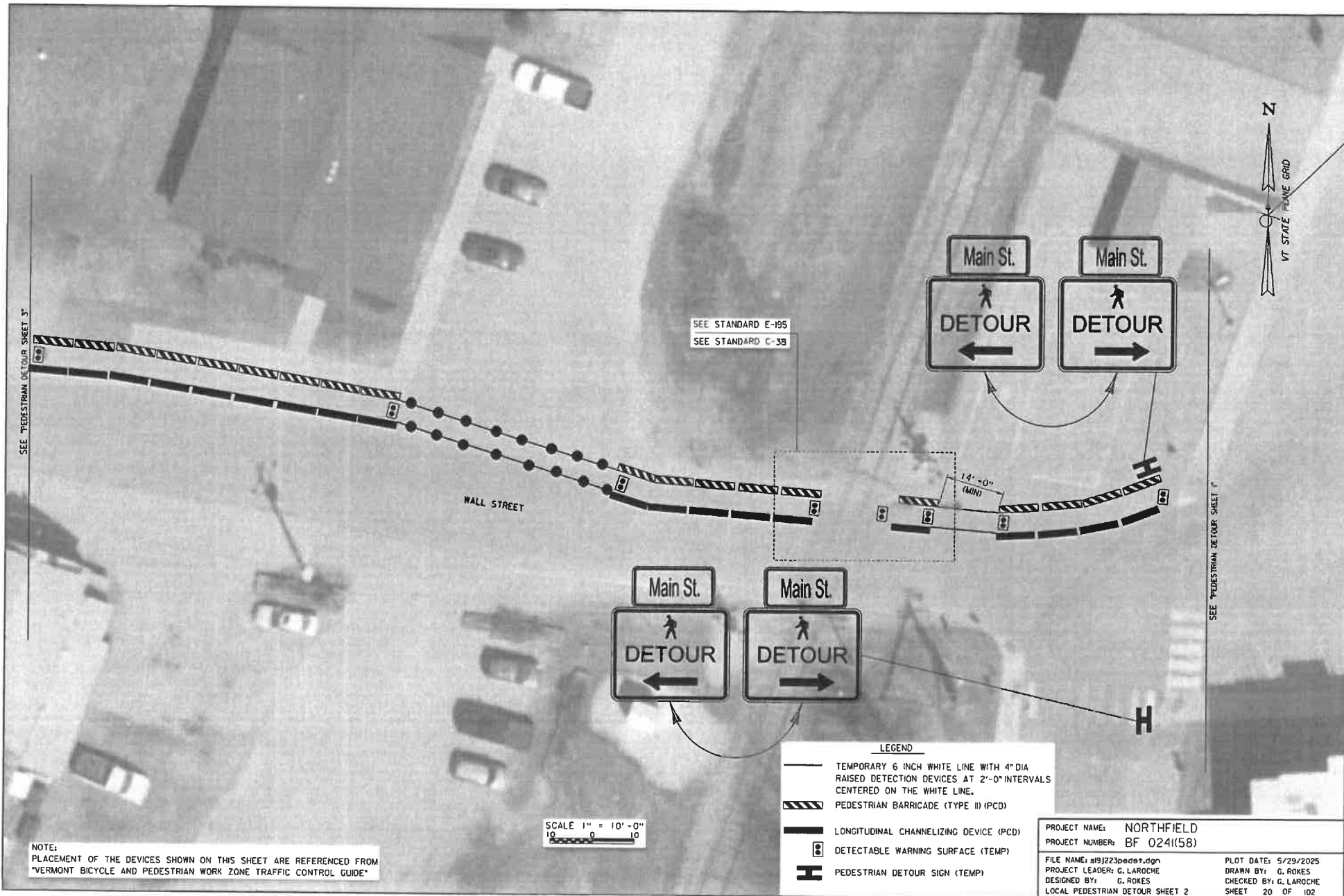
LEGEND

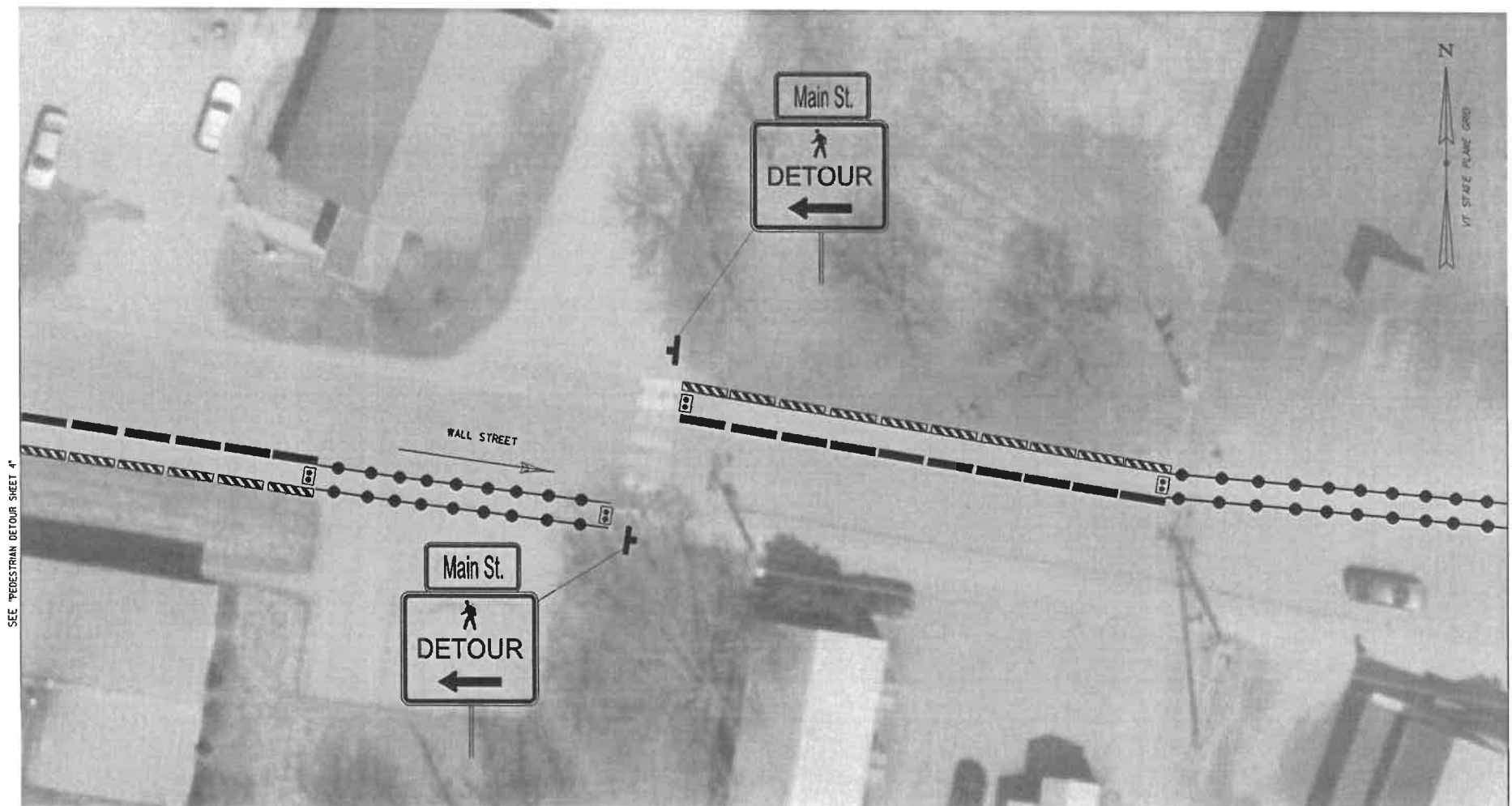
-  PEDESTRIAN DETOUR SIGN (TEMP)
-  PEDESTRIAN DETOUR SIGN (TEMP) (BACK TO BACK)
-  LONGITUDINAL CHANNELIZING DEVICE (PCD)
-  PEDESTRIAN BARRICADE (TYPE II) (PCD)
-  DETECTABLE WARNING SURFACE (TEMP)

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: s19j23pedet.dgn
PROJECT LEADER: G. LAROCHE
DESIGNED BY: G. ROKES
LOCAL PEDESTRIAN DETOUR SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: G. ROKES
CHECKED BY: G. LAROCHE
SHEET 19 OF 102





NOTE:
PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM
"VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE"

SCALE 1" = 10'-0"
10 0 10

LEGEND

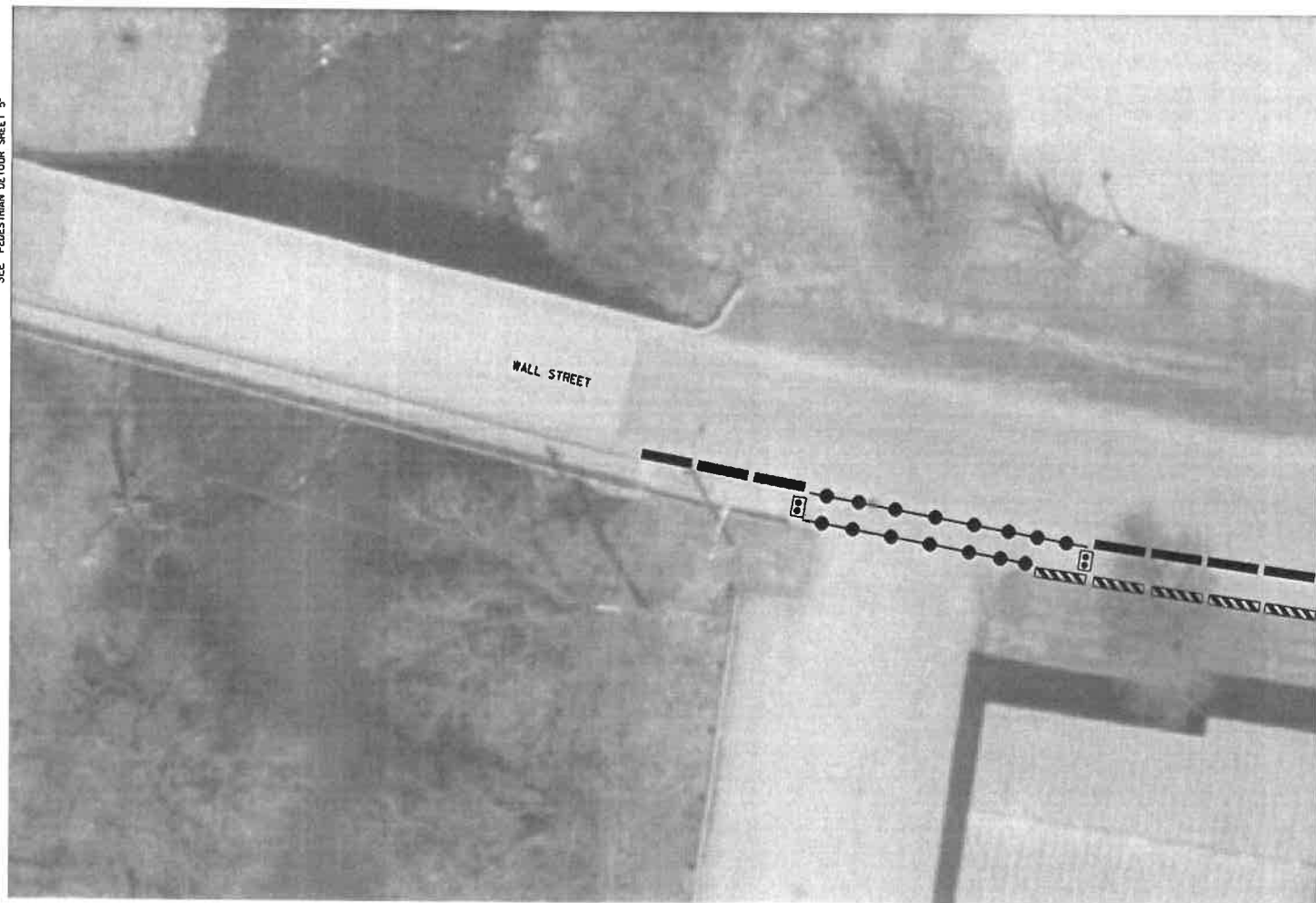
- TEMPORARY 6 INCH WHITE LINE WITH 4" DIA
RAISED DETECTION DEVICES AT 2'-0" INTERVALS
CENTERED ON THE WHITE LINE.
- ▨ PEDESTRIAN BARRICADE (TYPE III IPCD)
- ▬ LONGITUDINAL CHANNELIZING DEVICE (PCD)
- ◻ DETECTABLE WARNING SURFACE (TEMP)
- ⊥ PEDESTRIAN DETOUR SIGN (TEMP)

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

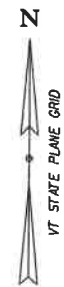
FILE NAME: s19j223pedet.dgn
PROJECT LEADER: G. LAROCHE
DESIGNED BY: G. ROKES
LOCAL PEDESTRIAN DETOUR SHEET 3

PLOT DATE: 5/29/2025
DRAWN BY: G. ROKES
CHECKED BY: G. LAROCHE
SHEET 21 OF 102

SEE "PEDESTRIAN DETOUR SHEET 5"



SEE "PEDESTRIAN DETOUR SHEET 3"



LEGEND

-  TEMPORARY 6 INCH WHITE LINE WITH 4" DIA RAISED DETECTION DEVICES AT 2'-0" INTERVALS CENTERED ON THE WHITE LINE.
-  PEDESTRIAN BARRICADE (TYPE II) (PCD)
-  LONGITUDINAL CHANNELIZING DEVICE (PCD)
-  DETECTABLE WARNING SURFACE (TEMP)

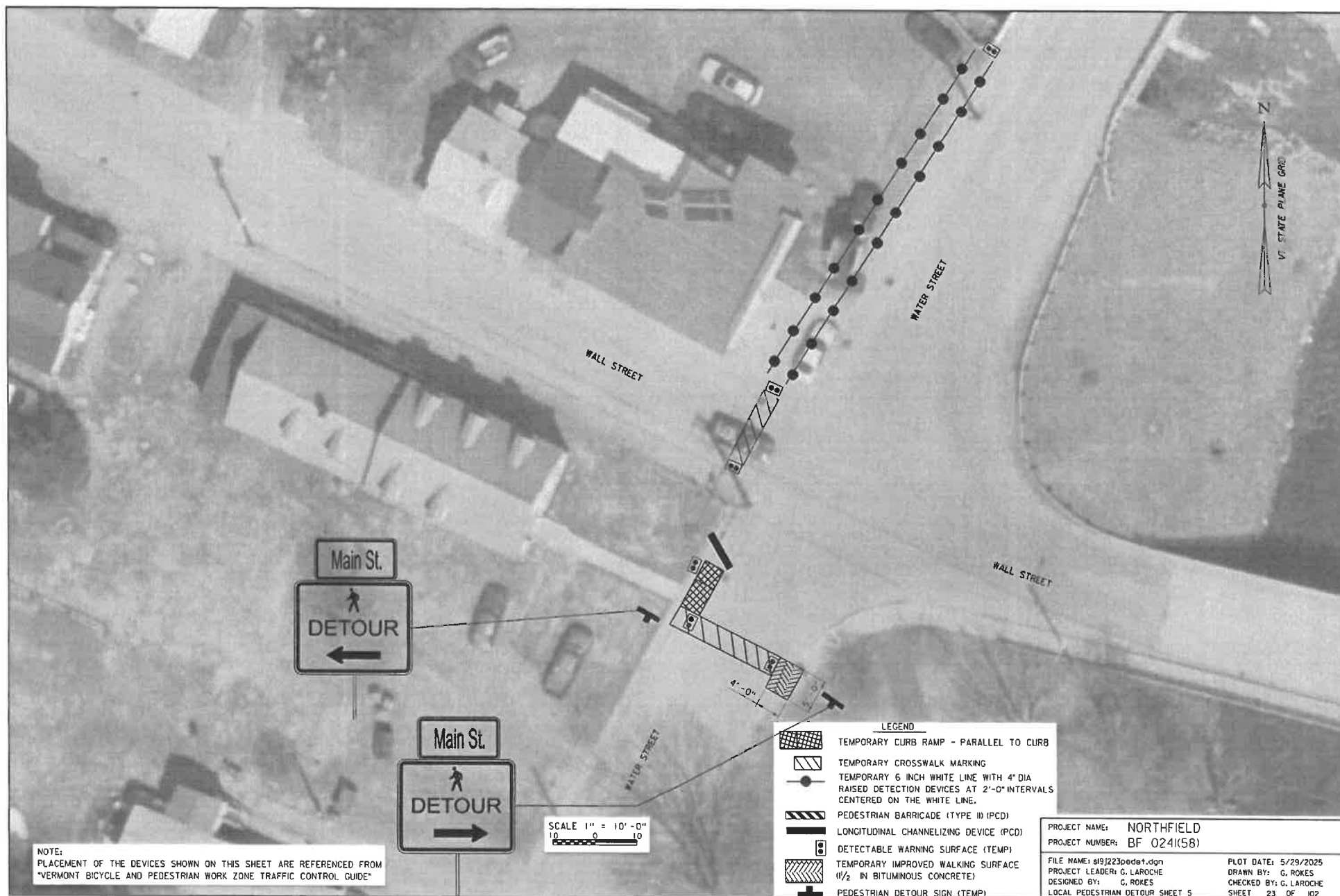
SCALE 1" = 10'-0"

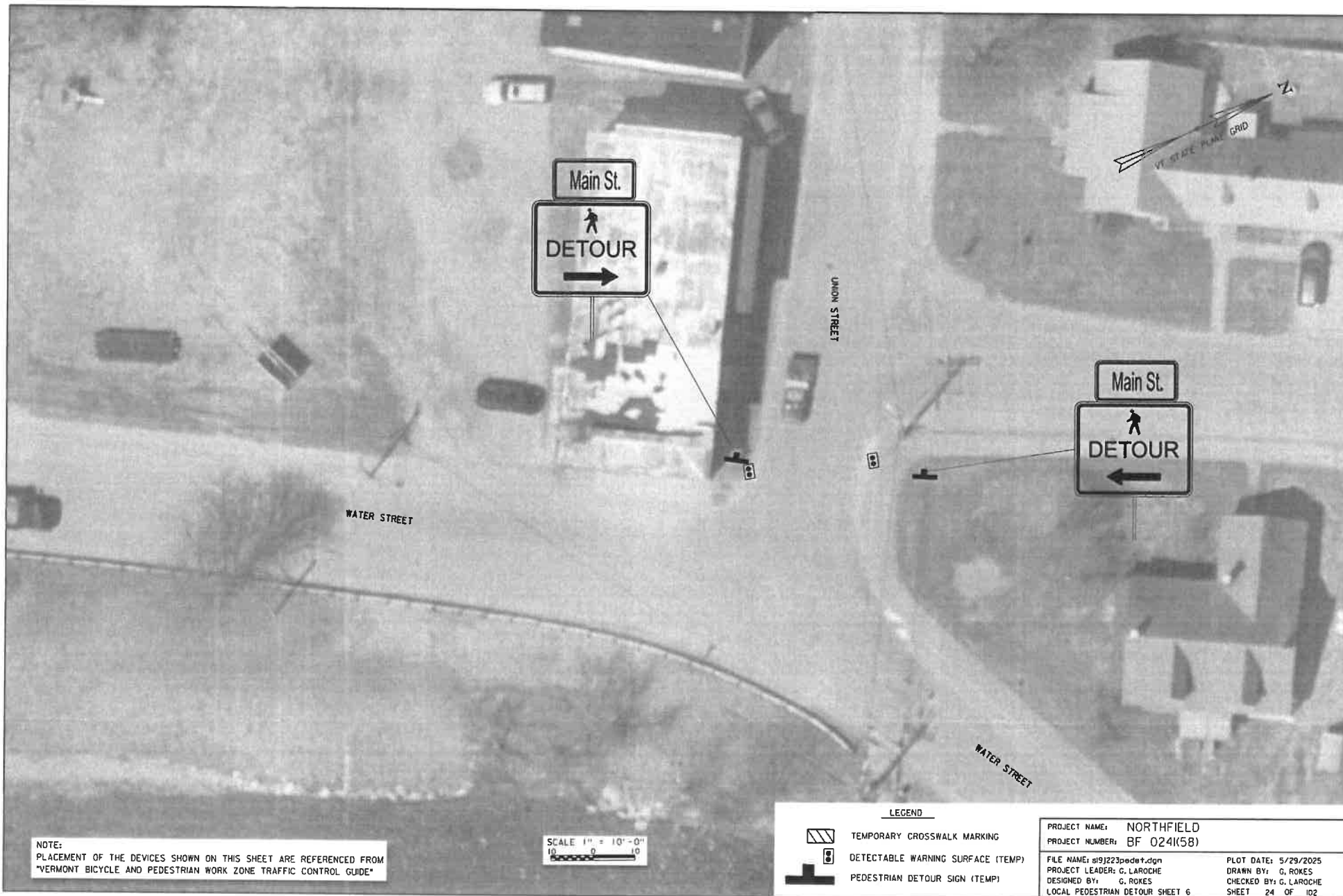
NOTE:
PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM
"VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE"

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: a9j223pedet.dgn
PROJECT LEADER: G. LAROCHE
DESIGNED BY: G. ROKES
LOCAL PEDESTRIAN DETOUR SHEET 4

PLOT DATE: 5/29/2025
DRAWN BY: G. ROKES
CHECKED BY: G. LAROCHE
SHEET 22 OF 102







NOTE:
PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM
"VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE"

SCALE 1" = 10'-0"
10 0 10

LEGEND

- TEMPORARY CROSSWALK MARKING
- DETECTABLE WARNING SURFACE (TEMP)

PROJECT NAME:	NORTHFIELD	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 024(K58)	DRAWN BY:	G. ROKES
FILE NAME:	s191223pedet.dgn	CHECKED BY:	G. LAROCHE
PROJECT LEADER:	G. LAROCHE	LOCAL PEDESTRIAN DETOUR SHEET 7	SHEET 25 OF 102

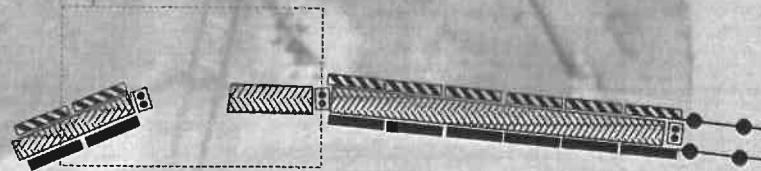
SEE STANDARD E-195
SEE STANDARD C-38



WATER STREET

SEE "PEDESTRIAN DETOUR SHEET 9"

SCALE 1" = 10'-0"
10 0 10



LEGEND

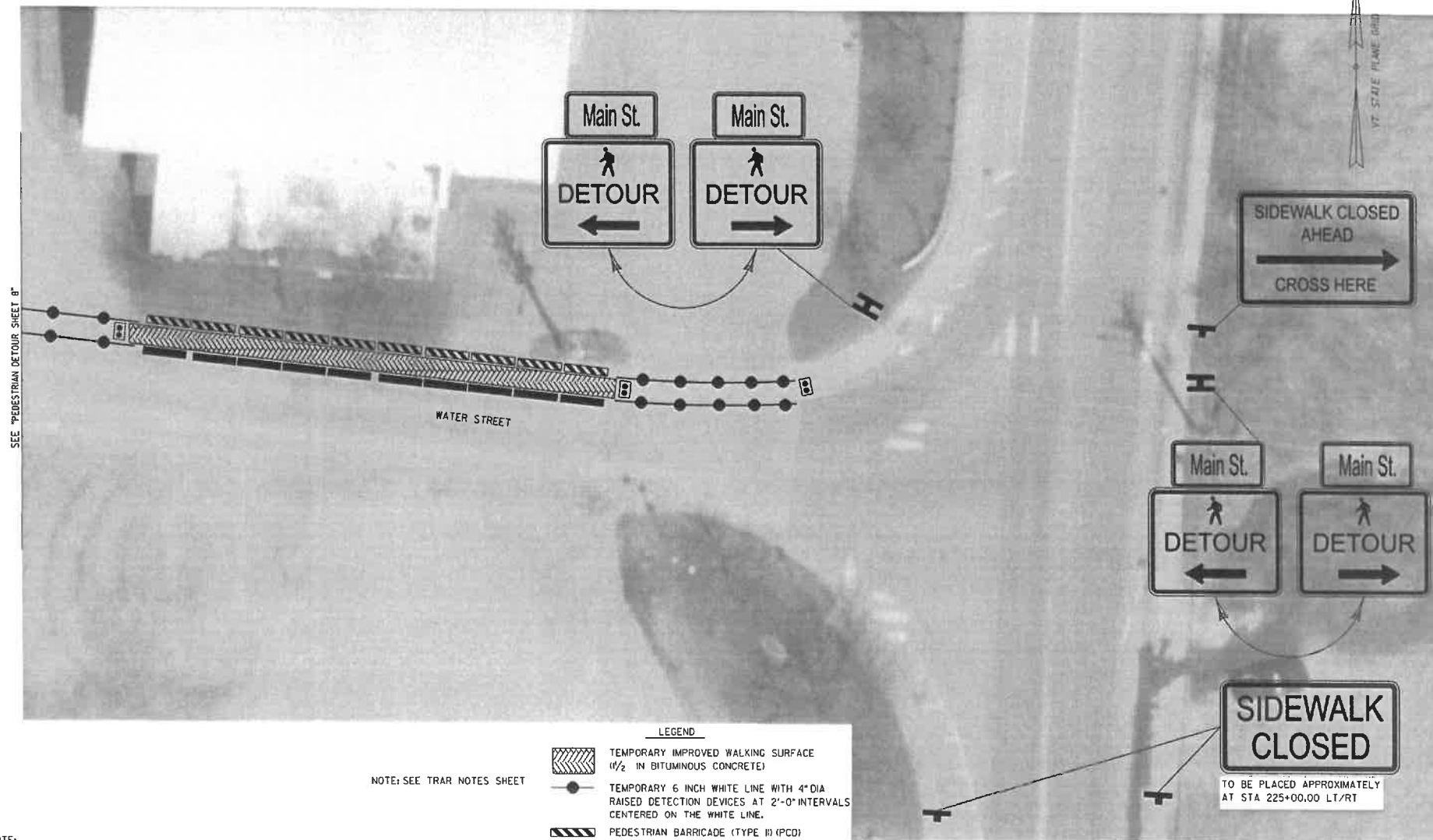
- TEMPORARY IMPROVED WALKING SURFACE
(1/2" IN BITUMINOUS CONCRETE)
- TEMPORARY 6 INCH WHITE LINE WITH 4" DIA
RAISED DETECTION DEVICES AT 2'-0" INTERVALS
CENTERED ON THE WHITE LINE.
- PEDESTRIAN BARRICADE (TYPE II) (PCD)
- LONGITUDINAL CHANNELIZING DEVICE (PCD)
- DETECTABLE WARNING SURFACE (TEMP)

NOTE:
PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM
"VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE"

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(K58)

FILE NAME: s19j223pedet.dgn
PROJECT LEADER: G. LAROCHE
DESIGNED BY: G. ROKES
LOCAL PEDESTRIAN DETOUR SHEET 8

PLOT DATE: 5/29/2025
DRAWN BY: G. ROKES
CHECKED BY: G. LAROCHE
SHEET 26 OF 102



SEE "PEDESTRIAN DETOUR SHEET 8"

NOTE: SEE TRAR NOTES SHEET

SCALE 1" = 10'-0"
10 0 10

LEGEND

- TEMPORARY IMPROVED WALKING SURFACE (1/2 IN BITUMINOUS CONCRETE)
- TEMPORARY 6 INCH WHITE LINE WITH 4" DIA RAISED DETECTION DEVICES AT 2'-0" INTERVALS CENTERED ON THE WHITE LINE.
- PEDESTRIAN BARRICADE (TYPE II) (PCD)
- LONGITUDINAL CHANNELIZING DEVICE (PCD)
- DETECTABLE WARNING SURFACE (TEMP)
- PEDESTRIAN DETOUR SIGN (TEMP)
- PEDESTRIAN DETOUR SIGN (TEMP) (BACK TO BACK)

NOTE:
PLACEMENT OF THE DEVICES SHOWN ON THIS SHEET ARE REFERENCED FROM
"VERMONT BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE"

PROJECT NAME: NORTHFIELD		PLOT DATE: 5/29/2025	
PROJECT NUMBER: BF 024(K58)		DRAWN BY: G. ROKES	
FILE NAME: s191223pede1.dgn		CHECKED BY: G. LAROCHE	
PROJECT LEADER: G. LAROCHE		SHEET 27 OF 102	
DESIGNED BY: G. ROKES		LOCAL PEDESTRIAN DETOUR SHEET 9	

① STA 220+76.5, 25.2' LT
NEW CI GRATE TYPE D (SEE NOTE 2)

② STA 220+89.2, 22.4' RT
NEW CI GRATE TYPE D (SEE NOTE 2)

③ STA 221+51.1, 10.0' RT
CHANGE ELEVATION OF MH

④ STA 221+67.1, 19.5' LT
NEW CI GRATE TYPE D (SEE NOTE 2)

⑤ STA 222+11.0, 38.0' RT
NEW PRC DEEP SUMP CB, CI GRATE TYPE D

⑥ STA 222+11.0, 38.0' RT - STA 222+40.6, 26.1' RT
NEW 32 LF 24" CPEP

⑦ STA 222+40.6, 26.1' RT (CUT EX. PIPE)
NEW PRC DEEP SUMP CB, CI GRATE TYPE D

⑧ STA 222+40.6, 26.1' RT - STA 222+42.5, 18.0' LT
NEW 44 LF 24" CPEP

⑨ STA 222+42.5, 18.0' LT (CUT EX. PIPE)
NEW PRC DEEP SUMP CB, CI GRATE TYPE D

⑩ STA 222+42.5, 18.0' LT - STA 222+43.6, 43.0' LT
NEW 25 LF 36" CPEP

⑪ STA 222+43.6, 43.0' LT
NEW PRC DI, CI GRATE TYPE C

⑫ STA 222+43.6, 43.0' LT - STA 222+81.3, 44.0' LT
NEW 38 LF 36" CPEP

⑬ STA 222+81.3, 44.0' LT
NEW 36" CPEPES

⑭ STA 222+11.0, 38.0' RT - STA 222+73.3, 51.3' RT
CONTRACTOR TO REMOVE PORTION OF 12" CMP ADJACENT
TO OUTFALL TO HISTORIC PROPERTY BOUNDARY. PLUG
REMAINDER OF PIPE, ABANDON IN PLACE, ADD FLOWABLE
FILL.

⑮ STA 223+89.3, 45.5' RT
NEW 30" CPEPES

⑯ STA 223+89.3, 45.5' RT -
STA 224+18.8, 40.0' RT
NEW 30 LF 30" CPEP

⑰ STA 224+18.8, 40.0' RT
NEW PRC DI, CI GRATE TYPE C

⑱ STA 224+18.8, 40.0' RT -
STA 224+53.5, 18.0' RT
NEW 40 LF 30" CPEP

⑲ STA 224+53.5, 18.0' RT
NEW PRC DEEP SUMP CB, CI GRATE TYPE D

⑳ STA 224+53.5, 18.0' RT - STA 224+53.0, 17.7' LT
NEW 35 LF 24" CPEP

㉑ STA 224+53.0, 17.7' LT
NEW PRC DEEP SUMP CB, CI GRATE TYPE D

㉒ STA 226+07.5, 15.0' RT
CHANGE ELEVATION OF MH

① STA 222+11.0, 38.0' RT
REMOVE EXISTING CATCH BASIN

② STA 222+57.0, 24.5' RT
REMOVE EXISTING CATCH BASIN

③ STA 222+54.9, 17.3' LT
REMOVE EXISTING CATCH BASIN

④ STA 222+54.9, 17.3' LT - STA 222+81.8, 17.4' LT
REMOVE EXISTING 12" RCP

⑤ STA 222+81.8, 17.4' LT
REMOVE EXISTING CATCH BASIN

⑥ STA 222+59.6, 29.4' RT - STA 222+67.9, 39.2' RT
REMOVE EXISTING 10" CLAY PIPE

⑦ STA 222+57.0, 24.5' RT - STA 222+79.2, 43.5' RT
REMOVE EXISTING 24" CMP

⑧ STA 222+57.0, 24.5' RT - STA 222+79.4, 19.3' RT
REMOVE EXISTING 15" RCP

⑨ STA 222+79.4, 19.3' RT
REMOVE EXISTING CATCH BASIN

⑩ STA 222+54.9, 17.3' LT - STA 222+70.8, 48.8' LT
REMOVE EXISTING 24" RCP

⑪ STA 223+89.3, 45.5' RT - STA 224+53.5, 19.0' RT
REMOVE EXISTING 30" CMP

⑫ STA 224+53.8, 19.0' RT
REMOVE EXISTING CATCH BASIN

⑬ STA 224+53.8, 19.0' RT - STA 224+53.5, 18.1' LT
REMOVE EXISTING 15" RCP

⑭ STA 224+53.5, 18.1' LT
REMOVE EXISTING CATCH BASIN

NOTES:

1. PAYMENT FOR PAVEMENT DAMAGE INCURRED DURING GRATE REPLACEMENT SHALL BE PAID FOR UNDER THE ITEMS ASSOCIATED WITH THE REUSE OF EXISTING CATCH BASIN DETAIL REFERENCED ON THE 'DRAINAGE DETAILS' SHEET.

SCALE 1" = 20'-0"
20 0 20



PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223bdr.drn.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: K. HO

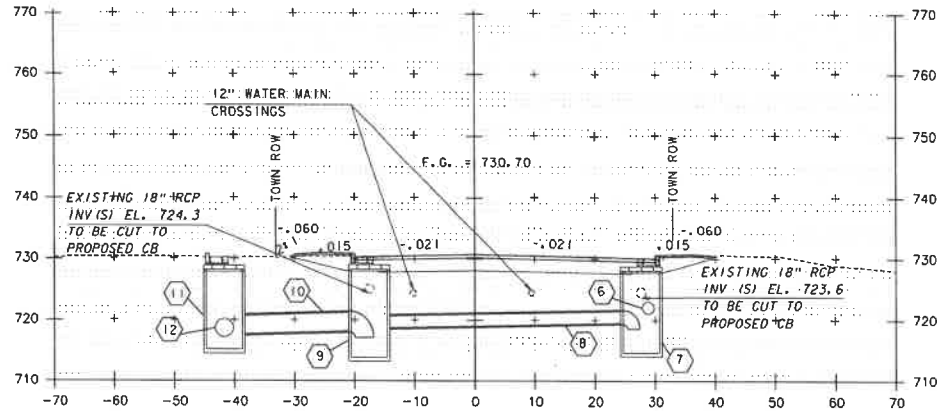
DRAINAGE LAYOUT SHEET

PLOT DATE: 5/29/2025

DRAWN BY: T. MARQUETTE

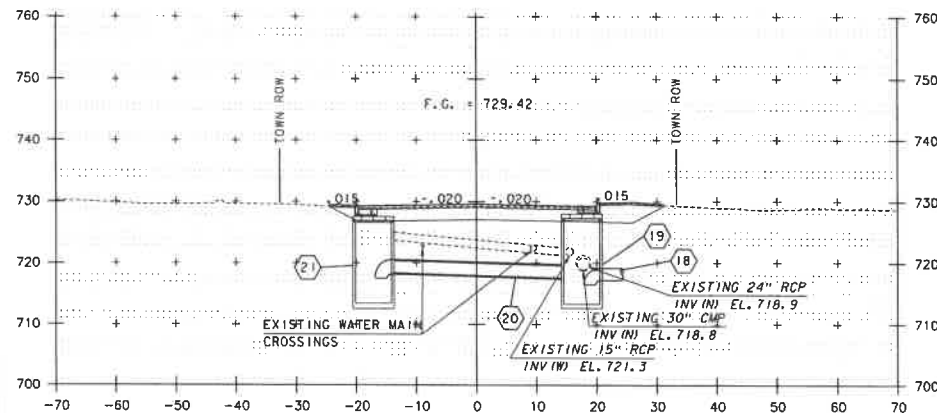
CHECKED BY: C. JENNE

SHEET 28 OF 102



DRAINAGE PROFILE @ STA 222+40.6

- ⑥ STA 222+11.0, 38.0' RT - STA 222+40.6, 26.1' RT
NEW 32 LF 24" CPEP
INLET EL 721.2
OUTLET EL 721.0
- ⑦ STA 222+40.6, 26.1' RT
NEW PRC DEEP SUMP CB, C1 GRATE TYPE D
TOP OF GRATE EL 730.1
SUMP EL 718.6
- ⑧ STA 222+40.6, 26.1' RT - STA 222+42.5, 18.0' LT
NEW 44 LF 24" CPEP
INLET EL 719.4
OUTLET EL 718.7
- ⑨ STA 222+42.5, 18.0' LT
NEW PRC DEEP SUMP CB, C1 GRATE TYPE D
TOP OF GRATE EL 730.3
SUMP EL 717.2
- ⑩ STA 222+42.5, 18.0' LT - STA 222+43.6, 43.0' LT
NEW 25 LF 36" CPEP
INLET EL 718.21
OUTLET EL 717.7
- ⑪ STA 222+43.6, 43.0' LT
NEW PRC DI, C1 GRATE TYPE C
TOP OF GRATE EL 730.2
OUTLET EL 717.18
- ⑫ STA 222+43.6, 43.0' LT - STA 222+81.3, 44.0' LT
NEW 38 LF 36" CPEP
INLET EL 717.18
OUTLET EL 716.00

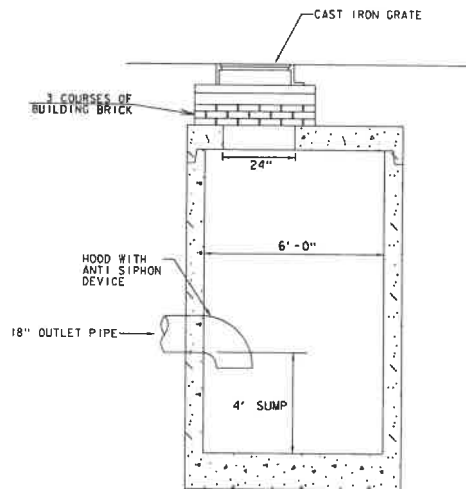


DRAINAGE PROFILE @ STA 224+53.5

- ⑬ STA 224+18.8, 40.0' RT - STA 224+53.5, 18.0' RT
NEW 40 LF 30" CPEP
INLET EL 717.25
OUTLET EL 716.7
(SEE CHANNEL XS AT STA 51+10 FOR DI INFO)
- ⑭ STA 224+53.5, 18.0' RT
NEW PRC DEEP SUMP CB, C1 GRATE TYPE D
TOP OF GRATE EL. 729.28
SUMP EL. 716.5
- ⑮ STA 224+53.5, 18.0' RT - STA 224+53.0, 17.7' LT
NEW 35 LF 24" CPEP
INLET EL. 718.4
OUTLET EL. 717.6
- ⑯ STA 224+53.5, 17.7' LT
NEW PRC DEEP SUMP CB, C1 GRATE TYPE D
TOP OF GRATE EL 728.81
SUMP EL 717.52

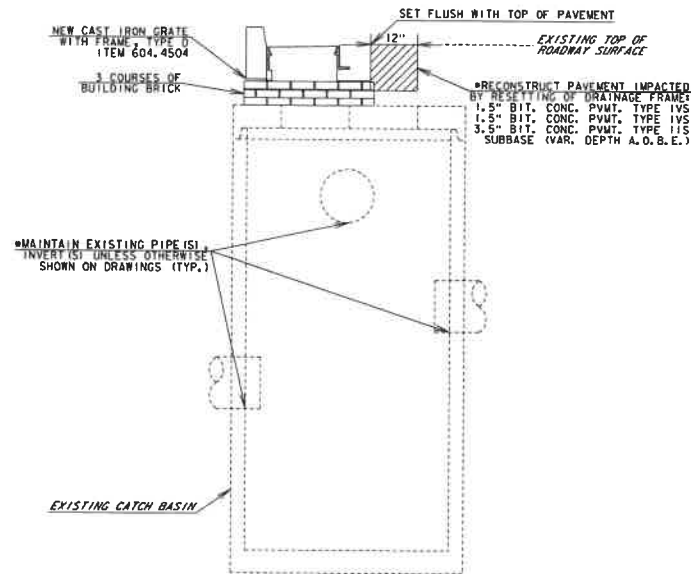


PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 024(58)
FILE NAME:	z191223xs.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
DRAINAGE PROFILE	
PLOT DATE:	5/28/2025
DRAWN BY:	J. DIAZ
CHECKED BY:	C. JENNE
SHEET	29 OF 102

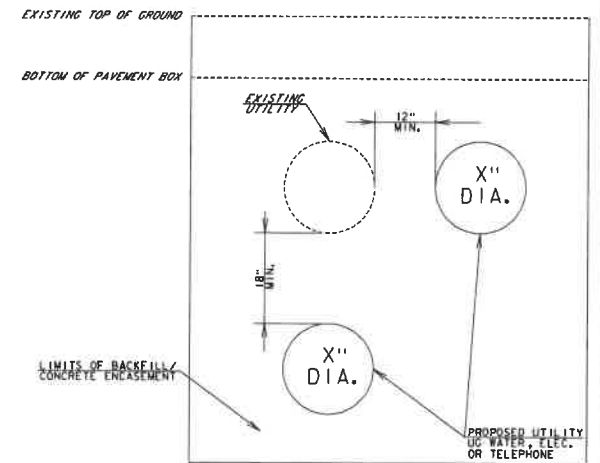


DEEP SUMP CATCH BASIN
NOT TO SCALE

NOTE:
WATERSTOP WITH PIPE GASKET, CAST IRON FRAME AND
GRATES, MANHOLE RUNGS, HOOD WITH ANTI SIPHON DEVICE,
ARE INCIDENTAL TO ITEM 604.2000 PRECAST REINFORCED
CONCRETE CATCH BASIN WITH CAST IRON GRATE (DEEP SUMP)



REUSE OF EXISTING CATCH BASINS



UNDERGROUND UTILITY CLEARANCE DIAGRAM



PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)
FILE NAME:	z19j223drn.dwt.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
DRAINAGE DETAILS	
PLOT DATE:	5/29/2025
DRAWN BY:	J. DIAZ
CHECKED BY:	C. JENNE
SHEET	30 OF 102

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

STATION	STATION	PCB	ASKEW NO DEG	INLET TYPE	OUTLET TYPE	DITCH IN OUT	PIPE ARCH SPAN IN RISE IN L FT	PIPE D IN L FT	PCCSP TH	GAMP TH	ALLOWABLE DITCHES RCP CL CSP TH	CPEP SL	PCCBP TH	PIPE ELBOW NO. DEG	ES EA	CS EA	R C D I	DEPTH DI FT	CONC CLAS B CY	REINP STEEL LBS	DI GRATE TYPE	CHAN ELEV EA	CRM CY	EXCAVATION EARTH CY	EXCAVATION ROCK CY	CONC EDC CY	CONC EDC CY	STRUCT EXCAV CY	BRICK STRUCT CY	GRAN BORR CY	EROS MATT CY	STONE FILL		ADJ. HORIZ PCBTS		ID	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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224+19.3	224+53.5	40.0 RT-18.0 RT		CB	CB			30	40				X																								18	NEW 30" CPEP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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PROPOSED:							TOTAL CPEP (BNGOL)	24"	111	FT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)



FILE NAME: z191223drn.dwt
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
DRAINAGE TABLES

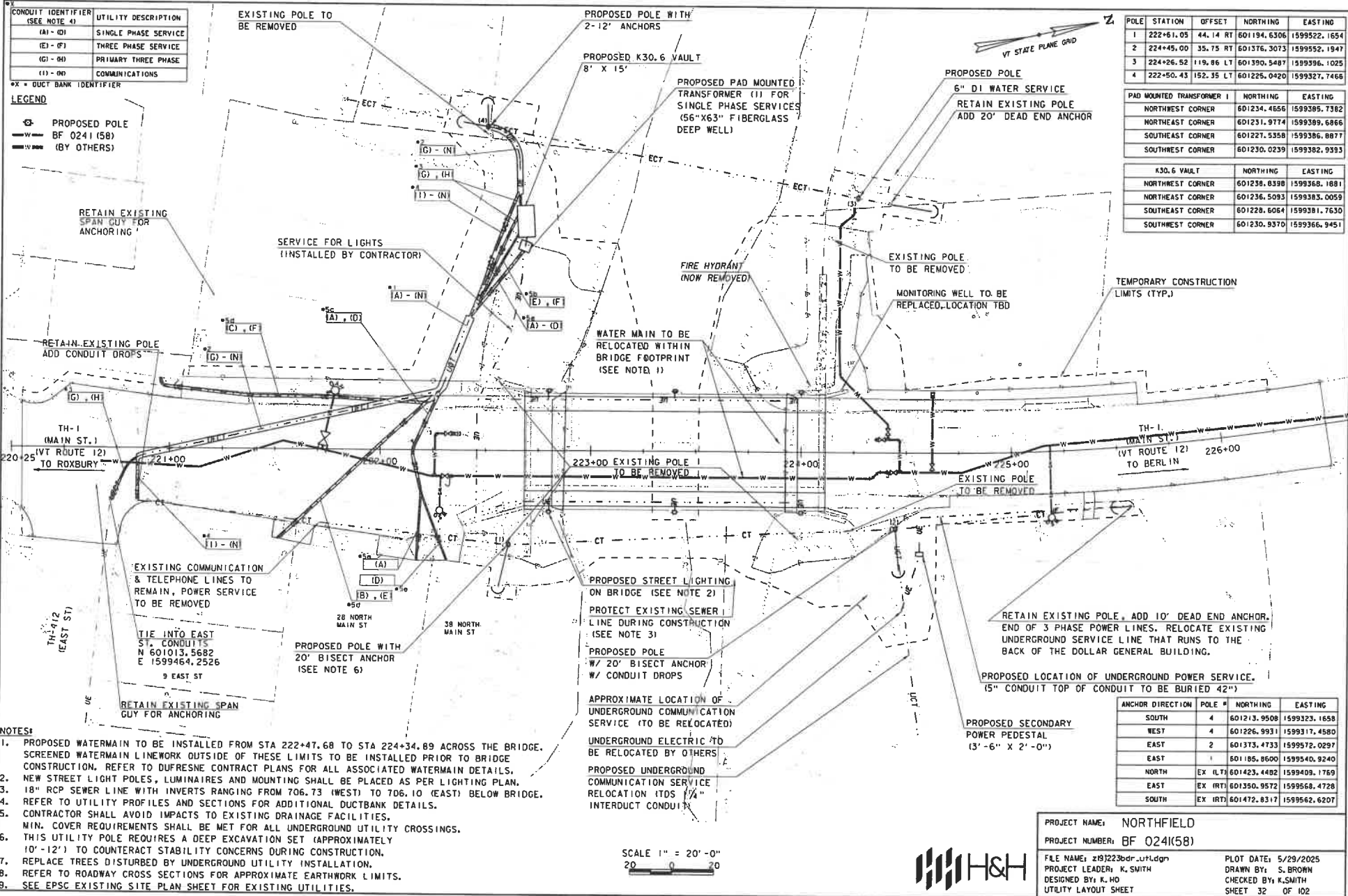
PLOT DATE: 5/29/2025
DRAWN BY: J. DIAZ
CHECKED BY: C. JEMME
SHEET 31 OF 102

CONDUIT IDENTIFIER (SEE NOTE 4)	UTILITY DESCRIPTION
(A) - (D)	SINGLE PHASE SERVICE
(E) - (F)	THREE PHASE SERVICE
(G) - (H)	PRIMARY THREE PHASE
(I) - (N)	COMMUNICATIONS

*X = DUCT BANK IDENTIFIER

LEGEND

- PROPOSED POLE
- BF 0241 (58)
- (BY OTHERS)



NOTES:

1. PROPOSED WATERMAIN TO BE INSTALLED FROM STA 222+47.68 TO STA 224+34.89 ACROSS THE BRIDGE. SCREENED WATERMAIN LINENWORK OUTSIDE OF THESE LIMITS TO BE INSTALLED PRIOR TO BRIDGE CONSTRUCTION. REFER TO DUFRESNE CONTRACT PLANS FOR ALL ASSOCIATED WATERMAIN DETAILS.
2. NEW STREET LIGHT POLES, LUMINAIRES AND MOUNTING SHALL BE PLACED AS PER LIGHTING PLAN.
3. 18\" RCP SEWER LINE WITH INVERTS RANGING FROM 706.73 (WEST) TO 706.10 (EAST) BELOW BRIDGE. REFER TO UTILITY PROFILES AND SECTIONS FOR ADDITIONAL DUCTBANK DETAILS.
4. CONTRACTOR SHALL AVOID IMPACTS TO EXISTING DRAINAGE FACILITIES.
5. MIN. COVER REQUIREMENTS SHALL BE MET FOR ALL UNDERGROUND UTILITY CROSSINGS.
6. THIS UTILITY POLE REQUIRES A DEEP EXCAVATION SET (APPROXIMATELY 10'-12') TO COUNTERACT STABILITY CONCERNS DURING CONSTRUCTION.
7. REPLACE TREES DISTURBED BY UNDERGROUND UTILITY INSTALLATION.
8. REFER TO ROADWAY CROSS SECTIONS FOR APPROXIMATE EARTHWORK LIMITS.
9. SEE EPSC EXISTING SITE PLAN SHEET FOR EXISTING UTILITIES.

SCALE 1" = 20'-0"
20 0 20



POLE	STATION	OFFSET	NORTHING	EASTING
1	222+61.05	44.14 RT	601194.6306	1599522.1654
2	224+45.00	35.75 RT	601376.3073	1599552.1947
3	224+26.52	119.86 LT	601390.5487	1599396.1025
4	222+50.43	152.35 LT	601225.0420	1599327.7466

PAD MOUNTED TRANSFORMER 1	NORTHING	EASTING
NORTHWEST CORNER	601234.4656	1599385.7382
NORTHEAST CORNER	601231.9774	1599389.6866
SOUTHEAST CORNER	601227.5358	1599386.8877
SOUTHWEST CORNER	601230.0239	1599382.9393

K30.6 VAULT	NORTHING	EASTING
NORTHWEST CORNER	601236.8398	1599368.1681
NORTHEAST CORNER	601236.5093	1599383.0059
SOUTHEAST CORNER	601228.6064	1599381.7630
SOUTHWEST CORNER	601230.9370	1599366.9451

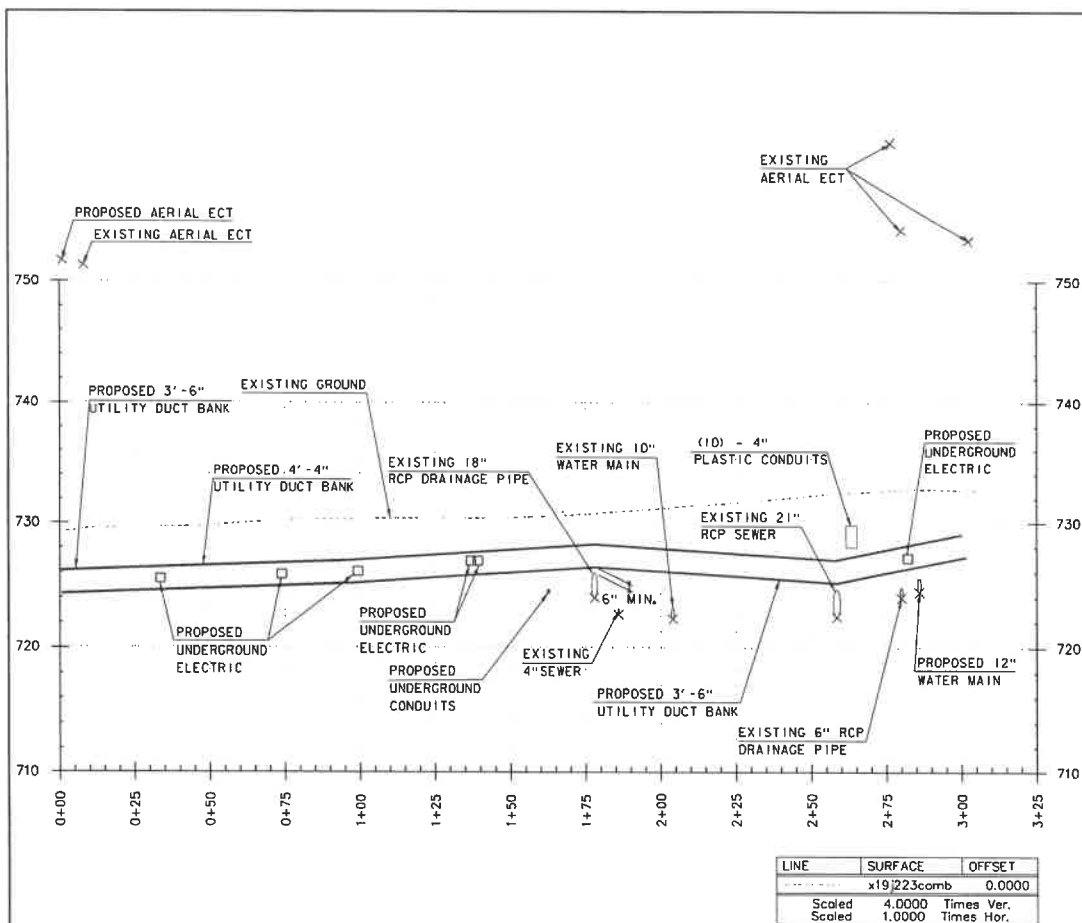
ANCHOR DIRECTION	POLE #	NORTHING	EASTING
SOUTH	4	601213.9508	1599323.1658
WEST	4	601226.9931	1599317.4580
EAST	2	601373.4733	1599572.0297
EAST	1	601185.8600	1599540.9240
NORTH	EX (LTH)	601423.4482	1599409.1769
EAST	EX (RT)	601350.9572	1599568.4728
SOUTH	EX (RT)	601472.8317	1599562.6207

PROJECT NAME: NORTHFIELD

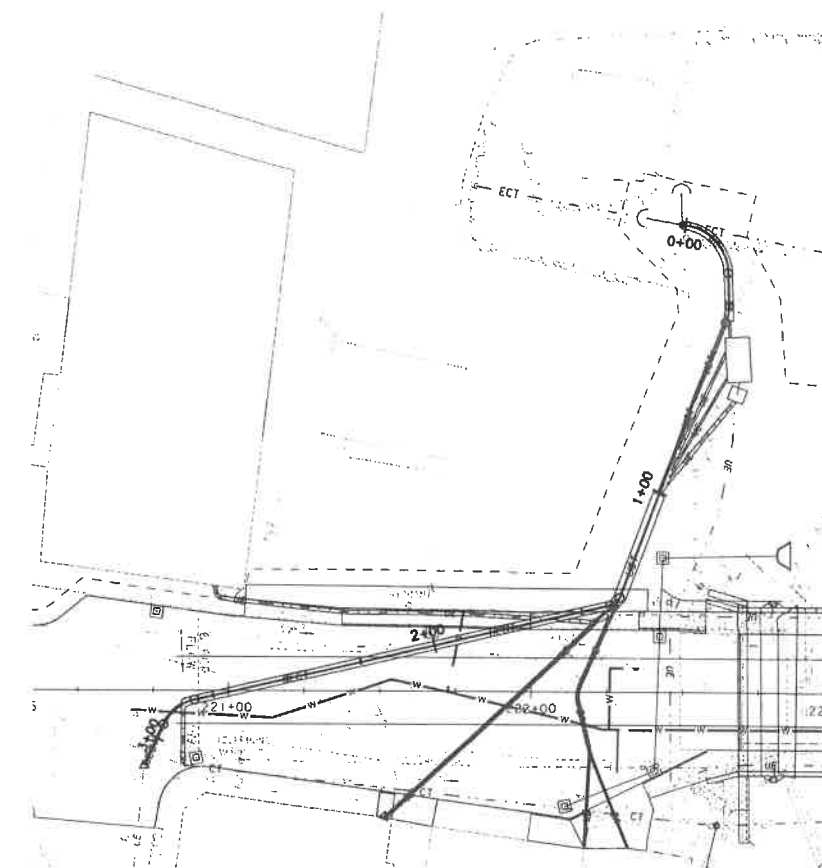
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223bdr.utl.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
UTILITY LAYOUT SHEET

PLOT DATE: 5/29/2025
DRAWN BY: S. BROWN
CHECKED BY: K. SMITH
SHEET 32 OF 102



POWER, COMMS, AND POWER SERVICES DUCT BANK PROFILE



POWER, COMMS, AND POWER SERVICES DUCT BANK PLAN

SCALE 1" = 20'-0"
20 20

- NOTES:
1. INVERTS SHOWN FOR EXISTING UTILITIES ARE ASSUMED BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE POSITION OF ALL EXISTING UTILITIES.
 2. PROPOSED UTILITY DUCT BANKS SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE FROM EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SHOWN. LOCATIONS WITH LESS THAN 18" VERTICAL CLEARANCE HAVE BEEN AGREED UPON BETWEEN VTRANS, GMP, NED AND THE TOWN OF NORTHFIELD.

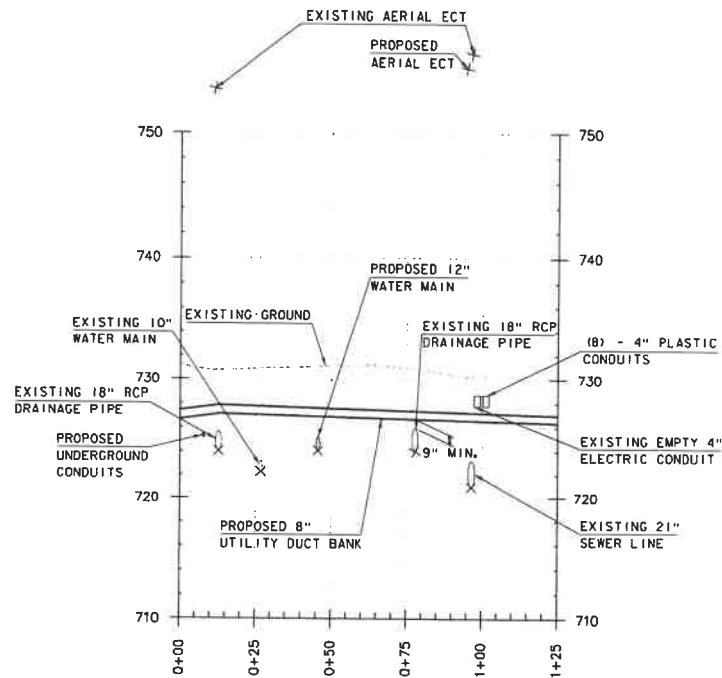


PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223uH.pro.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO

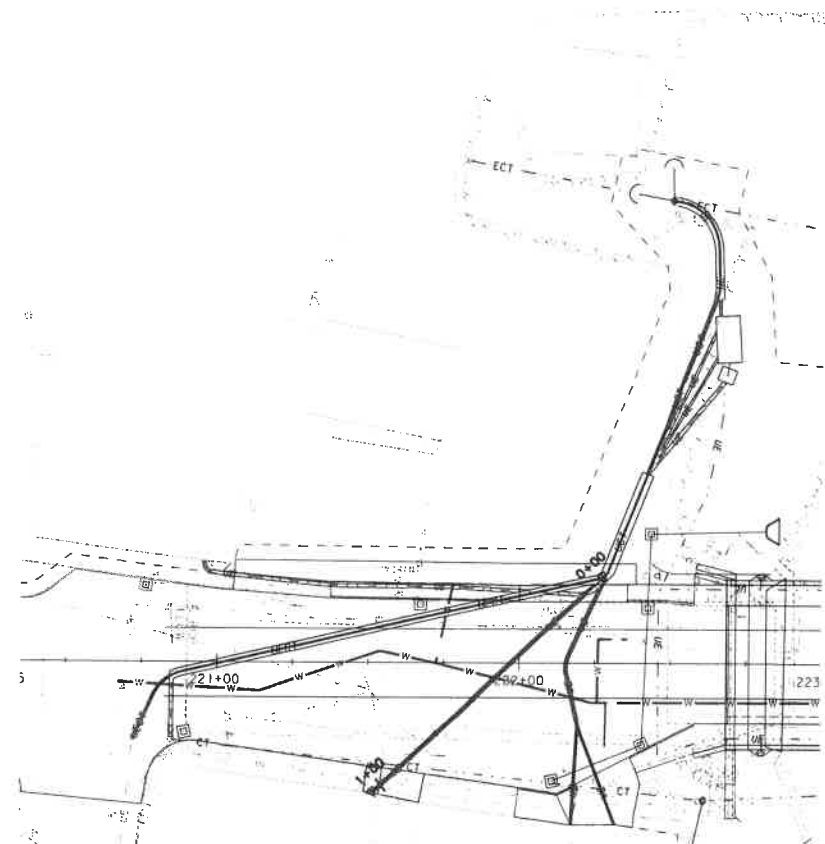
PLOT DATE: 5/29/2025
DRAWN BY: J. DIAZ
CHECKED BY: C. JENNE
SHEET 33 OF 102

UTILITY DUCT BANK PLAN & PROFILE - 1



LINE	SURFACE	OFFSET
-----	x19@23comb	0.0000
Scaled	4.0000	Times Ver.
Scaled	1.0000	Times Hor.

2 - 4" POWER SERVICE DUCT BANK PROFILE



1 - 4" POWER SERVICE DUCT BANK PLAN

SCALE 1" = 20'-0"
20 0 20

NOTES:

1. INVERTS SHOWN FOR EXISTING UTILITIES ARE ASSUMED BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE POSITION OF ALL EXISTING UTILITIES.

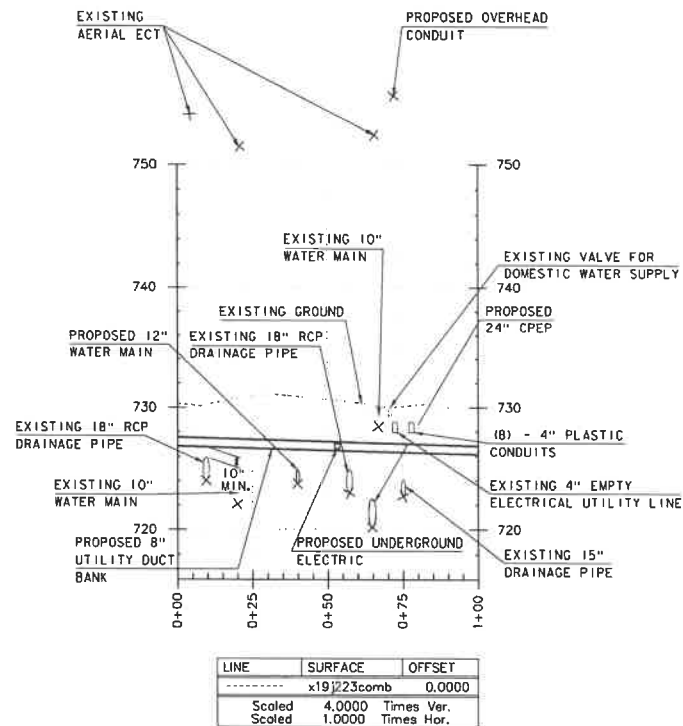
2. PROPOSED UTILITY DUCT BANKS SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE FROM EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SHOWN. LOCATIONS WITH LESS THAN 18" VERTICAL CLEARANCE HAVE BEEN AGREED UPON BETWEEN VTRANS, GMP, NED AND THE TOWN OF NORTHFIELD.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

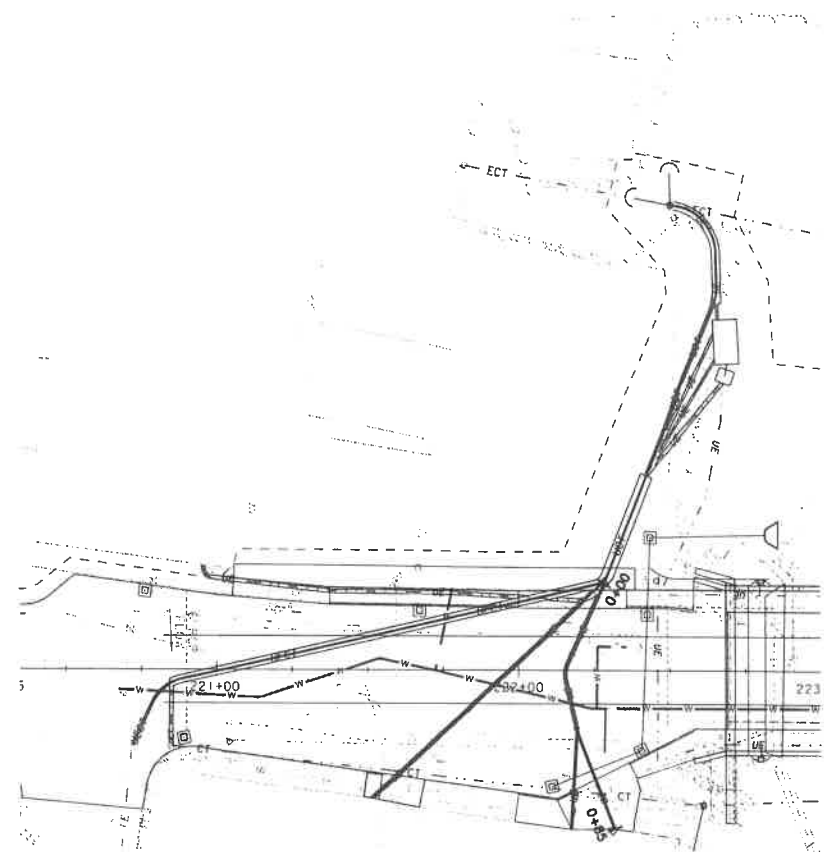
FILE NAME: z19j223uH.pro.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
UTILITY DUCT BANK PLAN & PROFILE - 2

PLOT DATE: 5/29/2025
DRAWN BY: J. DIAZ
CHECKED BY: C. JENNE
SHEET 34 OF 102





2 - 4" POWER SERVICES DUCT BANK PROFILE



2 - 4" POWER SERVICES DUCT BANK PLAN

SCALE 1" = 20'-0"

20 0 20

- NOTES:
1. INVERTS SHOWN FOR EXISTING UTILITIES ARE ASSUMED BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE POSITION OF ALL EXISTING UTILITIES.
 2. PROPOSED UTILITY DUCT BANKS SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE FROM EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE SHOWN. LOCATIONS WITH LESS THAN 18" VERTICAL CLEARANCE HAVE BEEN AGREED UPON BETWEEN VTRANS, GMP, NED AND THE TOWN OF NORTHFIELD.



PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 0241(58)

FILE NAME: z19|223uti.pro.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: K. HO

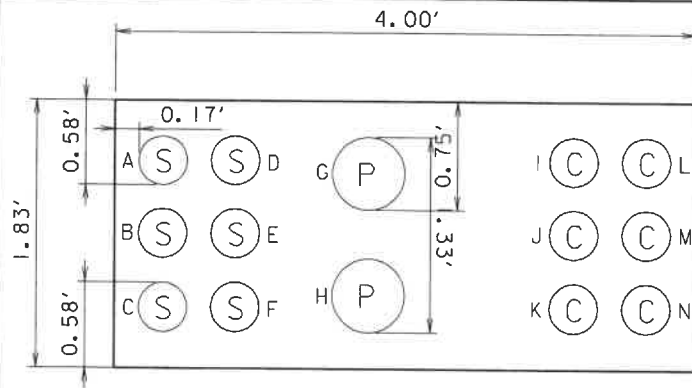
UTILITY DUCT BANK PLAN & PROFILE - 3

PLOT DATE: 5/29/2025

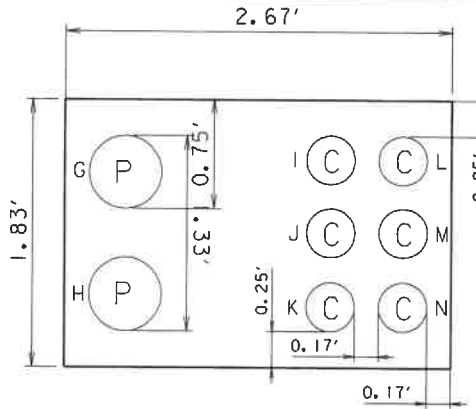
DRAWN BY: J. DIAZ

CHECKED BY: C. JEMNE

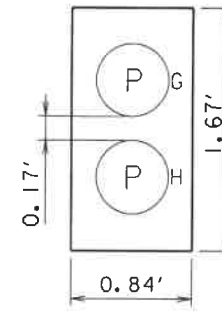
SHEET 35 OF 102



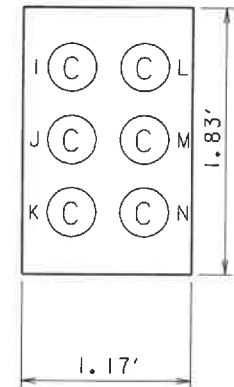
DUCT BANK #1
6 - 4" SERVICES
2 - 6" POWER
6 - 4" COMMUNICATIONS



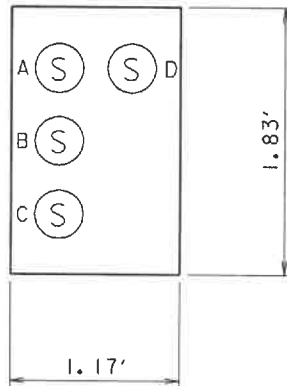
DUCT BANK #2
2 - 6" POWER
6 - 4" COMMUNICATIONS



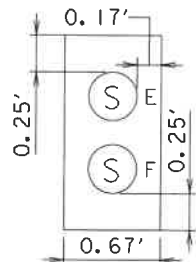
DUCT BANK #3
2 - 6" POWER
(PRIMARY THREE PHASE)



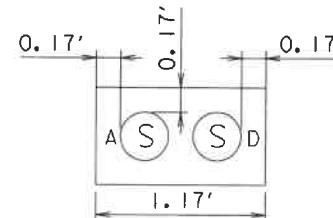
DUCT BANK #4
6 - 4" COMMUNICATIONS



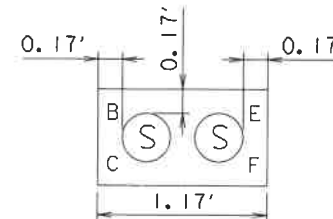
DUCT BANK #5a
4 - 4" SERVICES
(SINGLE PHASE)



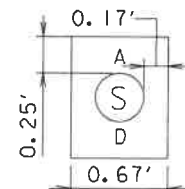
DUCT BANK #5b
2 - 4" SERVICES
(THREE PHASE)



DUCT BANK #5c
2 - 4" SERVICES
(SINGLE PHASE)



DUCT BANK #5d
2 - 4" SERVICES
(SINGLE PHASE, THREE PHASE)



DUCT BANK #5e
1 - 4" SERVICE
(SINGLE PHASE)

- (C) 4" COMMUNICATIONS CONDUIT
- (P) 6" POWER CONDUIT
- (S) 4" SERVICE CONDUIT



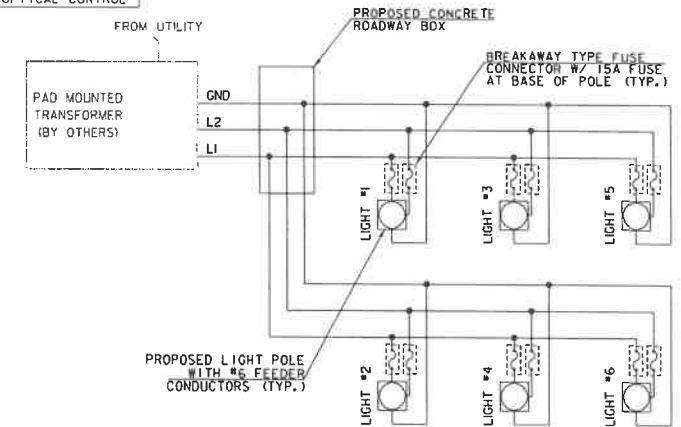
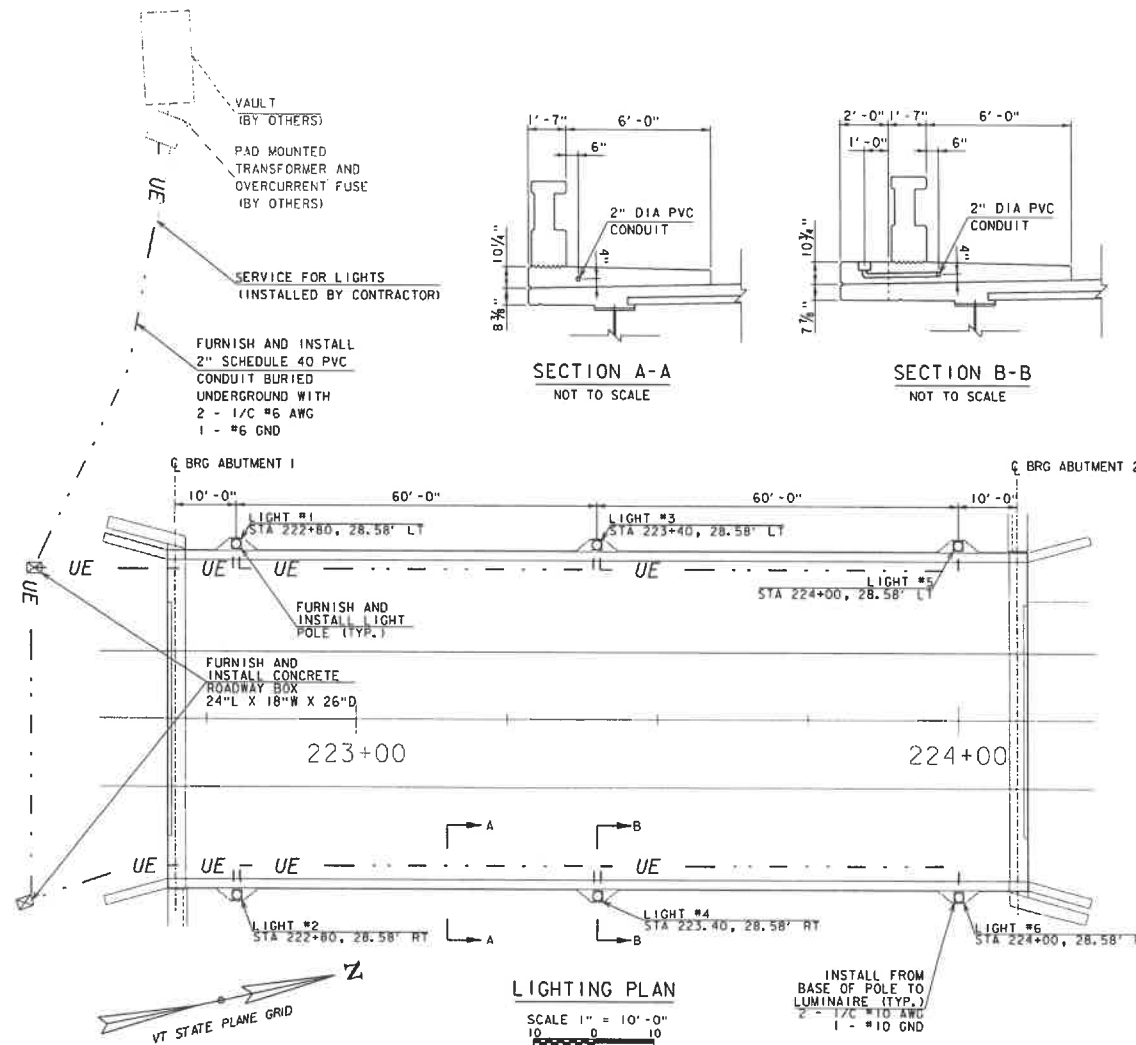
PROJECT NAME: NORTHFIELD	
PROJECT NUMBER: BF 0241(58)	
FILE NAME: z19j223utl.dgn	PLOT DATE: 5/29/2025
PROJECT LEADER: K. SMITH	DRAWN BY: T. MARQUETTE
DESIGNED BY: K. HO	CHECKED BY: C. JENNE
UTILITY DUCT BANK SECTIONS	SHEET 36 OF 102

LIGHT POLE SPECIFICATIONS:

MANUFACTURER	POLE STYLE	POLE HEIGHT	SHAFT STYLE	POLE GAUGE	POLE FINISH	POLE ACCESSORY
STERNBERG	AUGUSTA	14'	5" STRAIGHT FLUTED	.250	VERDE GREEN	DOUBLE BANNER ARMS, "PM" POST MOUNT STYLE 15 AMP, DUPLEX GFCI RECEPTACLES WITH A LOW PROFILE IN USE COVER

LIGHT FIXTURE SPECIFICATIONS:

MANUFACTURER	MOUNTING CONFIG	LUMINAIRE	FITTER	# OF LED	CCT - COLOR TEMPERATURE (K)	DISTRIBUTION TYPE	LENS TYPE	ELECTRICAL DRIVER	OPTION: HOUSE SIDE SHIELD
STERNBERG	PT	AB50SRLED	5P-STANDARD	12	3000	TYPE 4	CLEAR TEXTURED ACRYLIC ACORN	MDL014	BACK LIGHT OPTICAL CONTROL



PROPOSED LIGHTING WIRING DIAGRAM

ELECTRIC INSTALLATION NOTES:

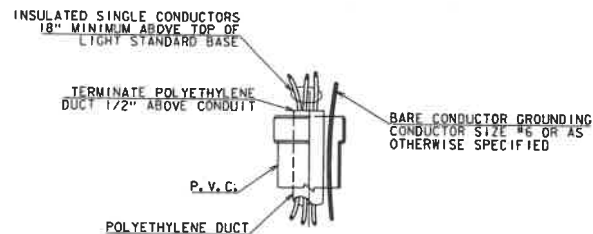
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TOWN OF NORTHFIELD, LATEST EDITION OF NATIONAL ELECTRICAL CODE (NEC), THE AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS (AASHTO) SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. WHERE THERE IS A CONFLICT BETWEEN CODES, THE MORE STRINGENT CODE SHALL PREVAIL.
- IN-LINE FUSE HOLDER WITH 15A FUSE SHALL BE INSTALLED AT THE BASE OF ALL NEW LAMPPOST ASSEMBLIES.
- THE 15 AMP. DUPLEX GFCI RECEPTACLES SHALL BE CONNECTED SUCH THAT THEY ARE CONTROLLED BY THE LIGHT SENSOR.
- THERE SHALL BE FROST SLEEVES ON ALL CONDUITS AT THE TRANSITION FROM UNDERGROUND TO ABOVE GROUND, MINIMUM OF 16" ABOVE GRADE.
- ALL CONDUCTORS SHALL BE 600V, 1/C COPPER TYPE "XHHW/XHHW-2", RATED FOR 90C. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG COPPER.
- UNLESS OTHERWISE NOTED, FURNISH AND INSTALL #6 BARE COPPER, SOFT-DRAWN GROUNDING CONDUCTOR THROUGHOUT ALL LIGHTING CIRCUITS. THE GROUNDING CONDUCTOR SHALL BE BONDED TO ALL LIGHT STANDARDS, HANDHOLE COVERS, AND GROUND RODS. A #10 AWG GROUND WIRE SHALL BE INSTALLED IN EVERY LIGHT POLE AND SHALL CONNECT THE GROUNDING SYSTEM WITHIN THE POLE BASE TO THE GROUNDING TAB IN THE LUMINAIRE.
- CONDUITS SHALL CROSS EXPANSION JOINTS IN STRUCTURES IN A DIRECTION PARALLEL TO THE STRUCTURE MOVEMENT. FURNISH AND INSTALL EXPANSION/DEFLECTION FITTINGS AT ALL EXPANSION JOINTS. DEFLECTION FITTINGS SHALL BE PROVIDED TO FOLLOW THE NATURAL CURVATURE OF THE STRUCTURE OR AT LOCATIONS WHEREVER ANGULAR MOVEMENT MAY BE ENCOUNTERED.
- THE LIMITS OF INSTALLATION BY THE CONTRACTOR SHALL EXTEND TO THE TRANSFORMER.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024K(58)

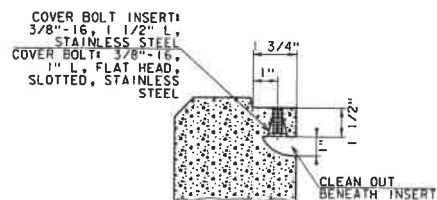
FILE NAME: z191223Electr1col.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: R. ROSENFELD
LIGHTING PLAN SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: R. ROSENFELD
CHECKED BY: M. DHUNSEL
SHEET 37 OF 102

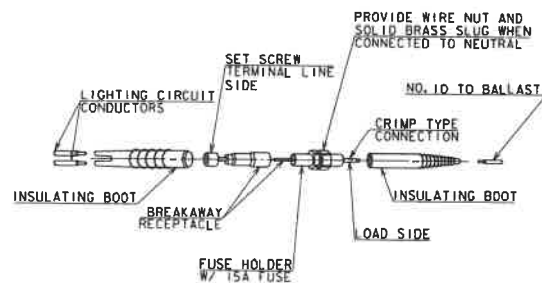




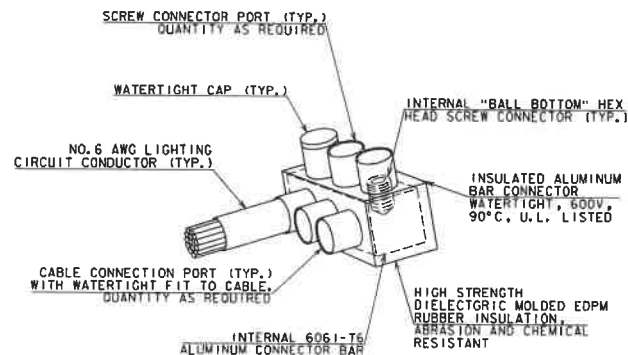
CABLE IN DUCT TERMINATION
AT LIGHT STANDARD BASE



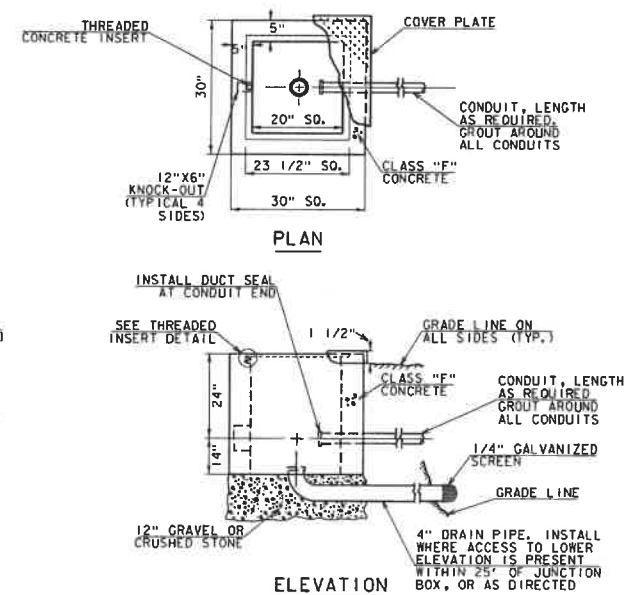
THREADED INSERT



BREAKAWAY FUSE CONNECTOR



WATERTIGHT CONNECTOR



CONCRETE JUNCTION BOX



PROJECT NAME:	NORTHFIELD	FILE NAME:	z19j223electrical.dgn	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 024(58)	PROJECT LEADER:	K. SMITH	DRAWN BY:	R. ROSENFELD
		DESIGNED BY:	R. ROSENFELD	CHECKED BY:	M. DHUNGEL
			LIGHTING PLAN SHEET 2		SHEET 38 OF 102

DURABLE 4 INCH YELLOW LINE (DOUBLE)

STA 220+90.0 - STA 226+50.0

DURABLE CROSSWALK MARKING

STA 220+25.0 LT - STA 220+25.0 RT
STA 224+21.0 LT - STA 224+21.0 RT

DURABLE 4 INCH WHITE LINE

STA 220+30.0 - STA 222+00.0 LT (BIKE LANE)
STA 220+90.0 - STA 222+57.5 RT (BIKE LANE)
STA 220+30.0 - STA 224+17.5 LT (TRAVEL LANE)
STA 220+90.0 - STA 224+17.5 RT (TRAVEL LANE)
STA 224+24.5 - STA 226+50.0 LT (TRAVEL LANE)
STA 224+24.5 - STA 226+50.0 RT (TRAVEL LANE)
STA 220+48.0 - STA 220+53.0 LT (PARKING)
STA 220+69.7 - STA 220+71.0 LT (PARKING)
STA 221+22.7 - STA 221+29.0 RT (PARKING)
STA 221+87.0 - STA 221+94.7 RT (PARKING)
STA 221+97.7 - STA 222+05.3 RT (PARKING)

DURABLE 6 INCH WHITE LINE

STA 220+87.5 - STA 221+05.0 LT (ISLAND)
STA 220+87.5 - STA 221+07.5 RT (ISLAND)
STA 221+00.0 - STA 224+17.5 LT (BIKE LANE BUFFER)
STA 220+90.0 - STA 224+17.5 RT (BIKE LANE BUFFER)
STA 221+49.0 - STA 221+55.5 RT (ISLAND)
STA 221+55.7 - STA 221+84.0 RT (ISLAND)
STA 221+07.5 - STA 222+19.0 RT (ISLAND)
STA 224+24.5 - STA 226+50.0 LT (BIKE LANE BUFFER)
STA 224+24.5 - STA 226+50.0 RT (BIKE LANE BUFFER)

DURABLE LETTER OR SYMBOLS

STA 220+35.0 LT (ARROW)
STA 220+47.0 LT (HELMETED BICYCLIST)
STA 221+00.0 RT (HELMETED BICYCLIST)
STA 221+12.0 RT (ARROW)
STA 222+50.0 LT (ARROW)
STA 222+62.0 LT (HELMETED BICYCLIST)
STA 222+50.0 RT (HELMETED BICYCLIST)
STA 222+62.0 RT (ARROW)
STA 225+13.0 RT (HELMETED BICYCLIST)
STA 225+25.0 RT (ARROW)
STA 226+31.0 LT (ARROW)
STA 226+43.0 LT (HELMETED BICYCLIST)

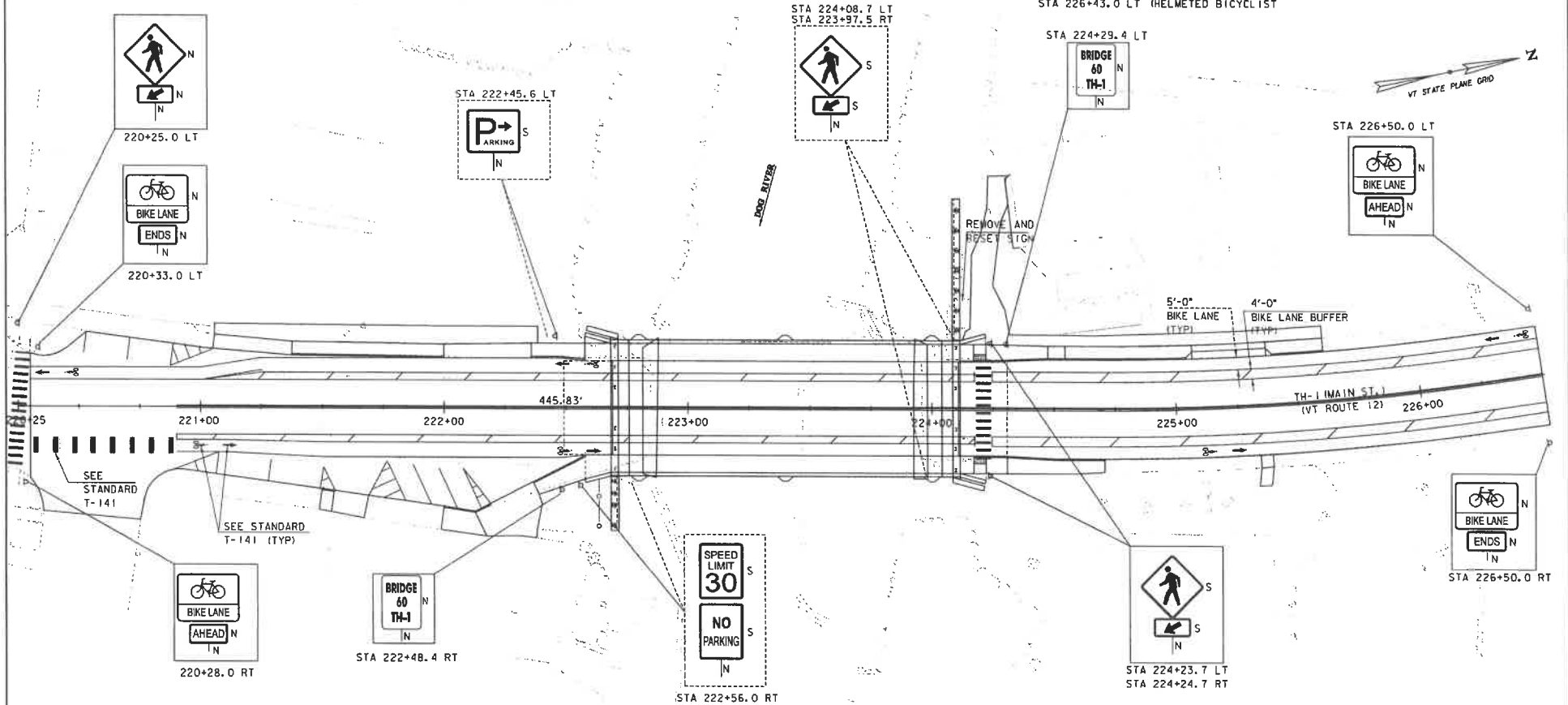
FOUNDATION FOR TUBULAR STEEL POST (GULF SIGN)

STA 224+12.0, 35' LT
STA 224+12.0, 42' LT

RESETTING SIGNS

REMOVE AND RESET LIGHT POLE

STA 224+12.0, 38.5' LT



SIGN LEGEND:
R = REMOVE
S = SALVAGE = REMOVE & RESET
N = NEW
RET = RETAIN
B-B = BACK TO BACK
--- = EXISTING
— = PROPOSED

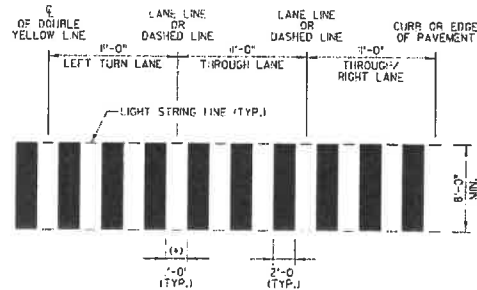
SCALE 1" = 20' - 0"
20 0 20

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

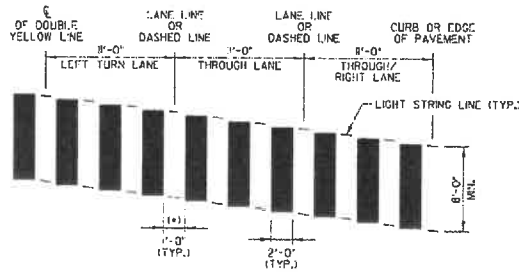
FILE NAME: e192231new.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: VTRANS
SIGN AND LINE LAYOUT SHEET

PLOT DATE: 5/29/2025
DRAWN BY: VTRANS
CHECKED BY: VTRANS
SHEET 39 OF 102

BLOCK PATTERN CROSSWALK PAVEMENT MARKING DETAILS



BLOCK PATTERN CROSSWALK DETAIL
MAY VARY WITH 11'-0" OR 12'-0" LANE



SKewed BLOCK PATTERN CROSSWALK DETAIL
MAY VARY WITH 11'-0" OR 12'-0" LANE

NOTES

1. THIS DETAIL IS CONFIGURED FOR AN 11'-0" LANE.
2. MARK LIGHT STRING LINE ON PAVEMENT ACROSS ROADWAY (CURB-TO-CURB).
3. ESTABLISH THE CENTER LINE OF THE ROADWAY (DOUBLE YELLOW LINE OR LANE LINE).
4. BLOCKS ARE PARALLEL TO THE CENTERLINE (DOUBLE YELLOW LINE OR LANE LINE). OFFSET BLOCKS VERTICALLY TO ACHIEVE REQUIRED SKEW.
5. ALWAYS START MEASURING FROM THE CENTERLINE OR LANE LINE RIGHT WITH THE FLOW OF TRAFFIC.
6. PAINTED BLOCKS SHALL BE 2'-0" (TYPICAL). (OPTION ITEM)
- (*) 7. THIS SPACING WILL INCREASE TO 2'-0" FOR A 12'-0" LANE.
- (*) 8. ADJUST SPACING TO AVOID WHEEL PATHS AS DIRECTED BY THE ENGINEER.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: n09J223.DGN
PROJECT LEADER: C. BAKER
DESIGNED BY: VTRANS
CROSSWALK DETAILS

PLOT DATE: 5/29/2025
DRAWN BY: VTRANS
CHECKED BY: VTRANS
SHEET 40 OF 102

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

MILE MARKER STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL			
		BACH	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POST	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER	VTRANS STANDARD OR FHWA MUTCD-SHS NUMBER		
												(LB / FT)			(LB / FT)			(LB / FT)			(LB / FT)				FTG. SIZE							
												1.12	2.00	3.00	1.75	2.00	2.50	3.00	4.00	4.00 MAX	3.00	3.50	4.00	5.00	24"	30"	WEIGHT				POST SIZE	SIGN FRAME REQUIRED
OPTION ITEMS																																
STA 220+25.0 LT		1	30.0	30.0	9.0					1.0					12.0		X												BLACK ON FLUORESCENT YELLOW-GREEN		MUTCD W11-2	
STA 224+23.7 LT STA 224+23.7 RT		2	30.0	30.0	18.0					2.0					24.0		X															
STA 220+25.0 LT		1	24.0	12.0	2.0					PAIRED WITH NEW W11-2 SIGN LISTED ABOVE																				BLACK ON FLUORESCENT YELLOW-GREEN		MUTCD W15-7P
STA 224+23.7 LT STA 224+23.7 RT		2	24.0	12.0	4.0					PAIRED WITH EXISTING W11-2 SIGN LIST ABOVE																						
STA 222+45.6 LT		1	30.0	24.0	5.0					1.0					15.0		X												GREEN ON WHITE		MUTCD D4-1	
STA 222+56.0 RT		1	24.0	30.0	5.0					1.0					12.0		X												BLACK ON WHITE		MUTCD R2-1	
STA 222+56.0 RT		1	24.0	30.0	5.0					PAIRED WITH EXISTING R2-1 SIGN LISTED ABOVE																				RED ON WHITE		MUTCD R8-3a
222+48.4 RT		1	6.0	10.0	0.4					1.0					12.0		X												WHITE ON GREEN	T-42		
224+25.4 LT		1	6.0	10.0	0.4					1.0					12.0		X												WHITE ON GREEN	T-42		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		TOTALS		SF	SF	EA	SF				FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	LB	LB	LB	EA	EA	LB					
				48.83											87.																	

SIGN LEGEND:
R = REMOVE
S = SALVAGE = REMOVE & RESET
N = NEW
RET = RETAIN
B-B = BACK TO BACK
----- = EXISTING
—— = PROPOSED



PROJECT NAME: NORTHFIELD	PLOT DATE: 5/29/2025
PROJECT NUMBER: BF 0241(58)	DRAWN BY: S. TANG
FILE NAME: z191223egn.dgn	CHECKED BY: C. JENNE
PROJECT LEADER: K. SMITH	SHEET 41 OF 102
DESIGNED BY: K. HO	
SIGN AND LINE TABLE SHEET	

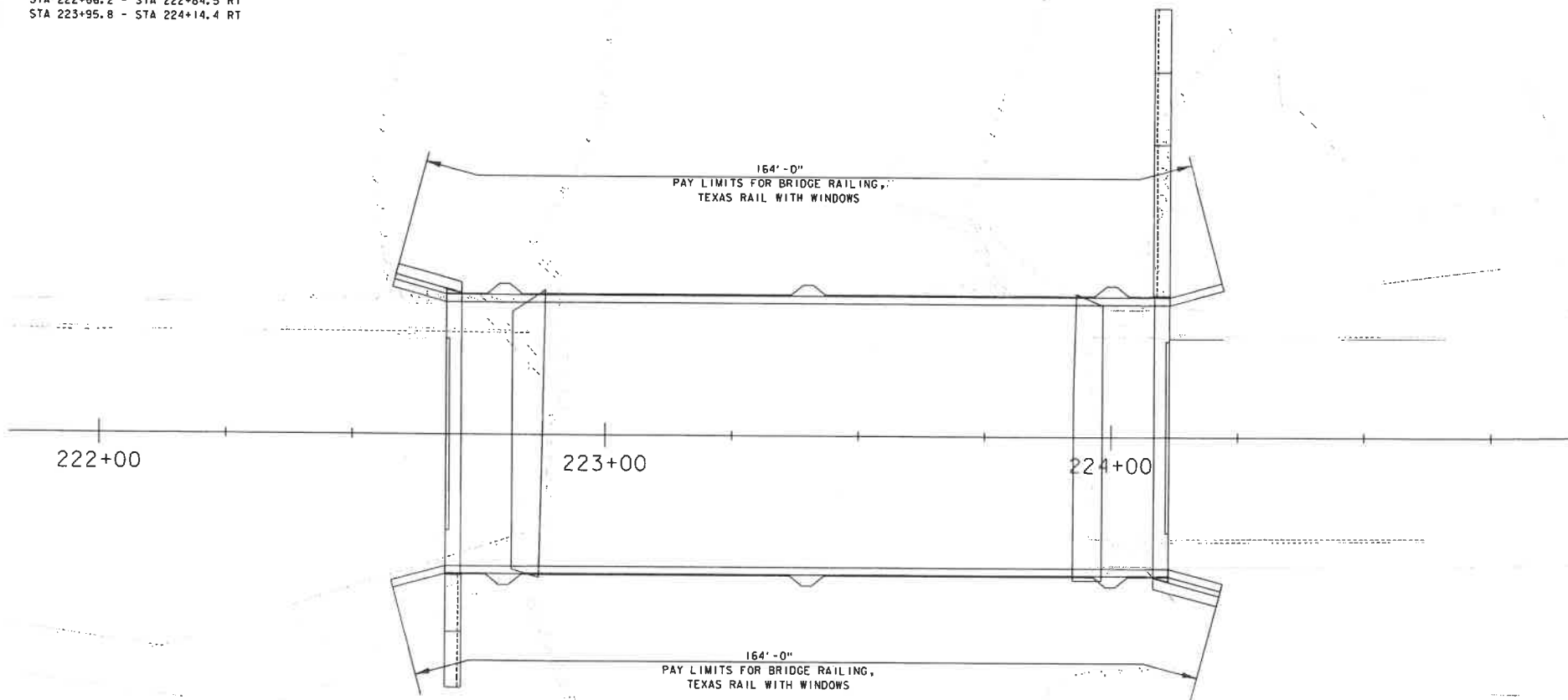
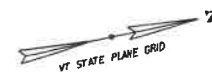
BRIDGE RAILING, TEXAS RAIL WITH WINDOWS
STA 222+57.86 - STA 224+22.13 LT & RT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 222+41.1 - STA 222+84.5 LT
STA 223+95.8 - STA 224+12.4 LT
STA 222+66.2 - STA 222+84.5 RT
STA 223+95.8 - STA 224+14.4 RT

DELINEATOR WITH STEEL POST

STA 222+50 LT (GREEN)
STA 222+45 RT (BLUE)
STA 224+20 LT (BLUE)
STA 224+20 RT (GREEN)



SCALE 1" = 10' - 0"
10 0 10



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223bdr.rail.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
RAIL LAYOUT SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 42 OF 102

SOIL CLASSIFICATION

AASHTO	
A1	Gravel and Sand
A2	Fine Sand
A3	Silty or Clayey Gravel and Sand
A4	Silty Soil - Low Compressibility
A5	Silty Soil - Highly Compressible
A6	Clayey Soil - Low Compressibility
A7	Clayey Soil - Highly Compressible

ROCK QUALITY DESIGNATION

R.O.D. (2)	ROCK DESCRIPTION
<25	Very Poor
25 to 50	Poor
51 to 75	Fair
76 to 90	Good
>90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

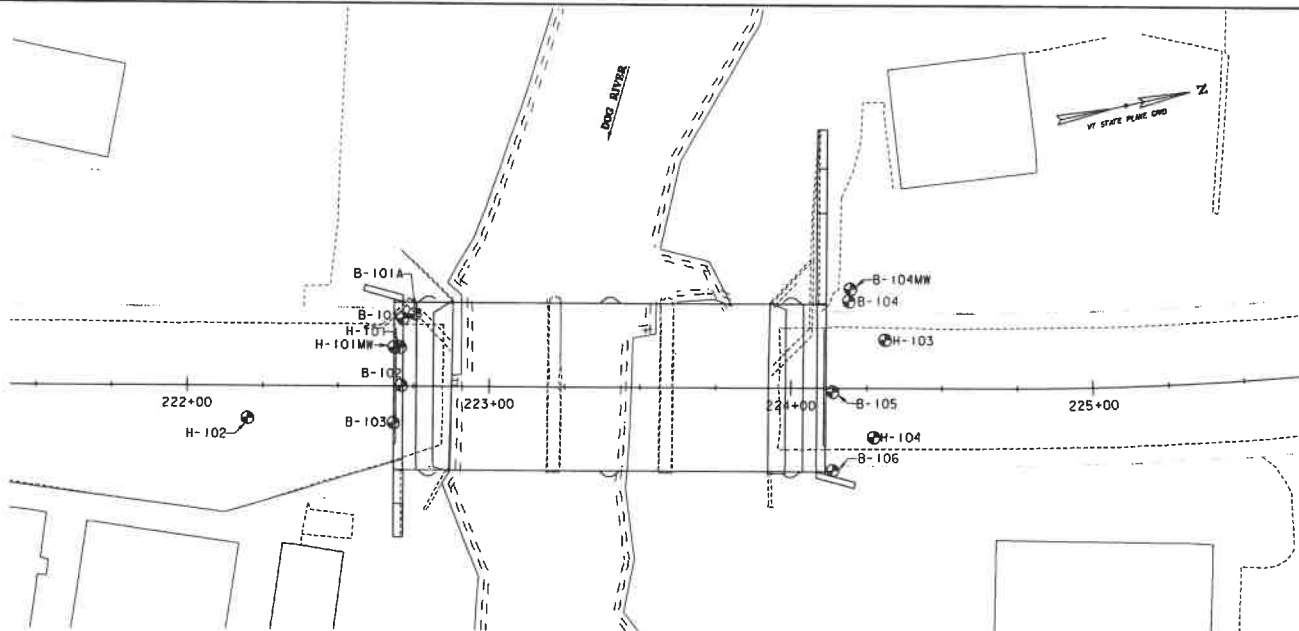
DENSITY (GRANULAR SOILS)	CONSISTENCY (COHESIVE SOILS)
N	DESCRIPTIVE TERM
<5	Very Loose
5-10	Loose
11-24	Med. Dense
25-50	Dense
>50	Very Dense
N	DESCRIPTIVE TERM
<2	Very Soft
2-4	Soft
5-8	Med. Stiff
9-15	Stiff
16-30	Very Stiff
31-60	Hard
>60	Very Hard

COMMONLY USED SYMBOLS

▼	Water Elevation
⊙	Standard Penetration Boring
⊕	Auger Boring
⊖	Rod Sounding
S	Sample
N	Standard Penetration Test
	Blow Count Per Foot For:
	2" O.D. Sampler
	1 3/4" I.D. Sampler
	Hammer Weight Of 140 Lbs.
	Hammer Fall Of 30"
VS	Field Vane Shear Test
US	Undisturbed Soil Sample
B	Blast
DC	Diamond Core
MD	Mud Drill
WA	Wash Ahead
HA	Hollow Stem Auger
AK	Core Size 1 1/4"
BX	Core Size 1 1/2"
NX	Core Size 2 1/8"
M	Double Tube Core Barrel Used
LL	Liquid Limit
PL	Plastic Limit
PI	Plasticity Index
NP	Non Plastic
w	Moisture Content (Dry Wgt. Basis)
D	Dry
M	Moist
MTW	Moist To Wet
W	Wet
Sat	Saturated
Bo	Boulder
Gr	Gravel
So	Sand
SI	Silt
Cl	Clay
HP	Hardpan
Le	Ledge
NLTD	No Ledge To Depth
CNPF	Can Not Penetrate Further
TLOB	Top of Ledge Or Boulder
NR	No Recovery
Rec.	Recovery
%Rec.	Percent Recovery
RQD	Rock Quality Designation
CBR	California Bearing Ratio
<	Less Than
>	Greater Than
R	Refusal (N > 100)
VTSPG	NAD83 - See Note 7

COLOR

bik	Black	pnk	Pink
bl	Blue	pu	Purple
brn	Brown	rd	Red
dk	Dark	tn	Tan
gray	Gray	wh	White
gn	Green	yl	Yellow
lt	Light	mtc	Multicolored
or	Orange		



BORING CHART

HOLE NO.	NORTHING	EASTING	STATION	OFFSET	ELEV TLOB
B-101	601218.43	1599459.36	222+71.29	22.2' LT	-----
B-101A	601222.65	1599458.73	222+75.29	23.7' LT	-----
B-102	601213.45	1599480.83	222+70.87	0.2' LT	698.5
B-103	601208.44	1599492.27	222+68.35	12.0' RT	700.3
B-104	601364.21	1599483.86	224+18.98	28.5' LT	701.6
B-104MW	601365.53	1599480.06	224+19.48	32.5' LT	-----
B-105	601352.94	1599511.91	224+13.78	1.2' RT	704.7
B-106	601347.71	1599537.30	224+13.93	27.2' RT	706.0

HOLE NO.	NORTHING	EASTING	STATION	OFFSET
H-101	601215.68	1599468.47	222+70.49	12.8' LT
H-101MW	601213.73	1599468.06	222+68.49	12.8' LT
H-102	601161.44	1599480.88	222+20.01	10.6' RT
H-103	601373.36	1599498.83	224+31.03	15.8' LT
H-104	601363.07	1599529.46	224+27.33	16.3' RT

DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - Rock in its native location of indefinite thickness.

BOULDER - A rock fragment with an average dimension > 12 inches.

COBBLE - Rock fragments with an average dimension between 3 and 12 inches.

GRAVEL - Rounded particles of rock < 3" and > 0.075" (#10 sieve).

SAND - Particles of rock < 0.075" (#10 sieve) and > 0.0025" (#200 sieve).

SILT - Soil < 0.0025" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.

CLAY - Fine grained soil, exhibits plasticity when moist and considerable strength when air-dried.

VARVED - Alternate layers of silt and clay.

HARDPAN - Extremely dense soil, cemented layer, not softened when wet.

MUCK - Soft organic soil containing > 10% organic material.

MOISTURE CONTENT - Weight of water divided by dry weight of soil.

FLOWING SAND - Granular soil so saturated loose that it flows into drill casing during extraction of wash rod.

STRIKE - Angle from magnetic north to line of intersection of bed with a horizontal plane.

DIP - Inclination of bed with a horizontal plane.

GENERAL NOTES

- The subsurface explorations shown herein were made between 9/20/2021 and 9/28/2021 by New England Boring Contractors.
- Soil and rock classifications, proper- ties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in sub- surface conditions that may be encountered between individual boring or sample locations.
- Observed water levels and/or conditions indicated are as record- ed at the time of exploration and may vary according to the prevail- ing rainfall, methods of exploration and other factors.
- Engineering judgment was exercised in preparing the sub- surface information presented herein. Analysis and interpretation of sub- surface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface infor- mation is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgment by the Contractor.
- Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
- Terminology used on boring logs to describe the hardness, degree of weathering and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.
- Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19223bor.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
BORING LAYOUT SHEET

PLOT DATE: 5/29/2025
DRAWN BY: S. BROWN
CHECKED BY: K. SMITH
SHEET 44 OF 102

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101			
VTTrans Northfield - VT-12 over Dog River		Page No.: 1 of 1		Pin No.: 19.223			
BF 0241(58)		Checked By: A. Sajewski					
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Casing Sampler		Groundwater Observations			
Date Started: 9/28/21 Date Finished: 9/28/21		Type: WASH BORE SS		Date Depth Notes			
VTSPG NAD83: N 601218.43 ft E 1599459.36 ft		I.D.: 4 in 1.5 in					
Station: 222+71.29 Offset: 22.2' LT		Hammer Wt: 300 140 lb					
Ground Elevation: 730.47 ft		Hammer Fall: 30 in 30 in					
		Hammer/Rod Type: Manual/AWJ					
		Rig: MOBILE					
		C _u = 1					
Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	Asphalt	5-7-8 (14)				
5		S-1: Grey c(+)-mf SAND, and mf Gravel, some (-) Silt, Rec. = 0.75 ft, 0.5 ft - 2.0 ft, Environmental Sample - No sample collected	7-8-7-6 (13)	4.5	39.0	39.0	22.0
		S-2: Grey c(+)-mf SAND, and mf Gravel, some (-) Silt, Rec. = 0.83 ft, 2.0 ft - 4.0 ft	8-9-11-9 (20)				
		S-3: Brown cmf SAND, some cmf Gravel (crushed rock), Rec. = 0.92 ft, 4.0 ft - 8.0 ft	15-12-22-13 (34)				
		S-4: No Recovery, Rec. = 0.0 ft, 6.0 ft - 8.0 ft	11-7-7-12 (34)				
10		S-5: Brown cmf SAND, little Silt, little c(-)mf Gravel, Rec. = 0.75 ft, 8.0 ft - 10.0 ft	11-7-7-12 (34)				
		S-6: Brown mf Gravel, and cm(-)f Sand, little Silt, Rec. = 1.08 ft, 10.0 ft - 12.0 ft	11-7-7-12 (34)	11.2	25.0	41.0	16.0
15		S-7: Top 6": Grey mf GRAVEL, and c(+)-mf Sand, trace (+) Silt, Rec. = 0.67 ft, 15.0 ft - 16.5 ft, Small green glass fragments throughout	9-16-8-4 (24)	15.1	50.0	41.2	8.8
		S-7: Bottom 2": Grey Silt, little mf Sand, 16.5 ft - 17.0 ft, Small green glass fragments throughout					
20		Hole stopped @ 17.0 ft					
25		Remarks: 1. Mud Rotary drill used. Groundwater not recorded. 2. Hole located 1ft North, 1ft East of survey-marked location. 3. Boulder 8ft - 13ft, very hard drilling					
Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. C _u is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.							

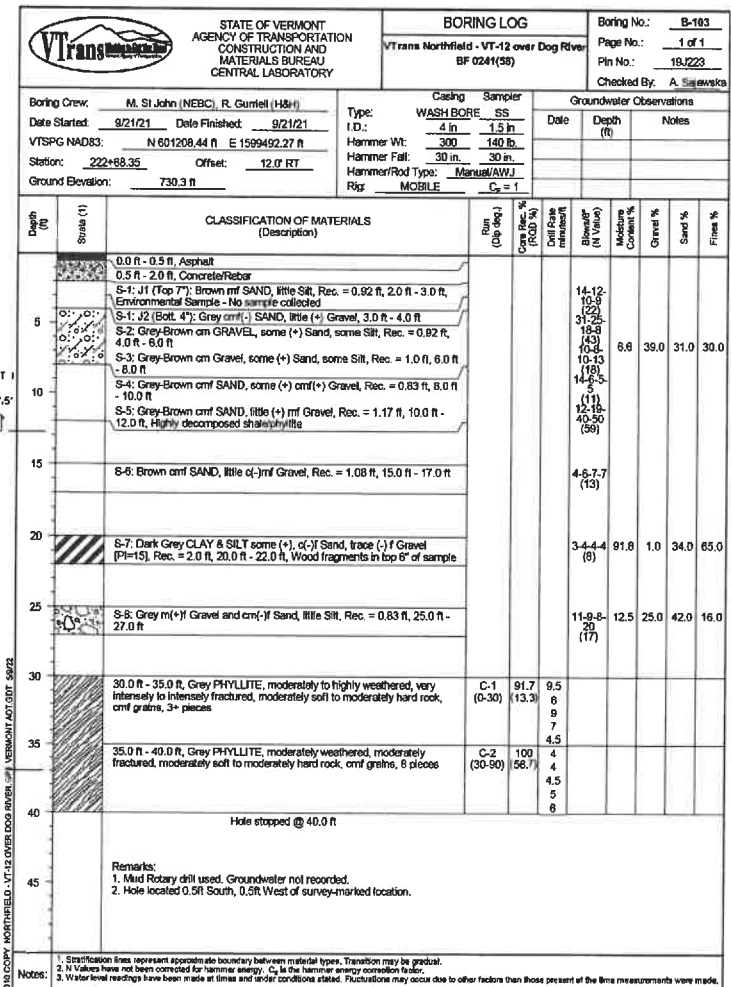
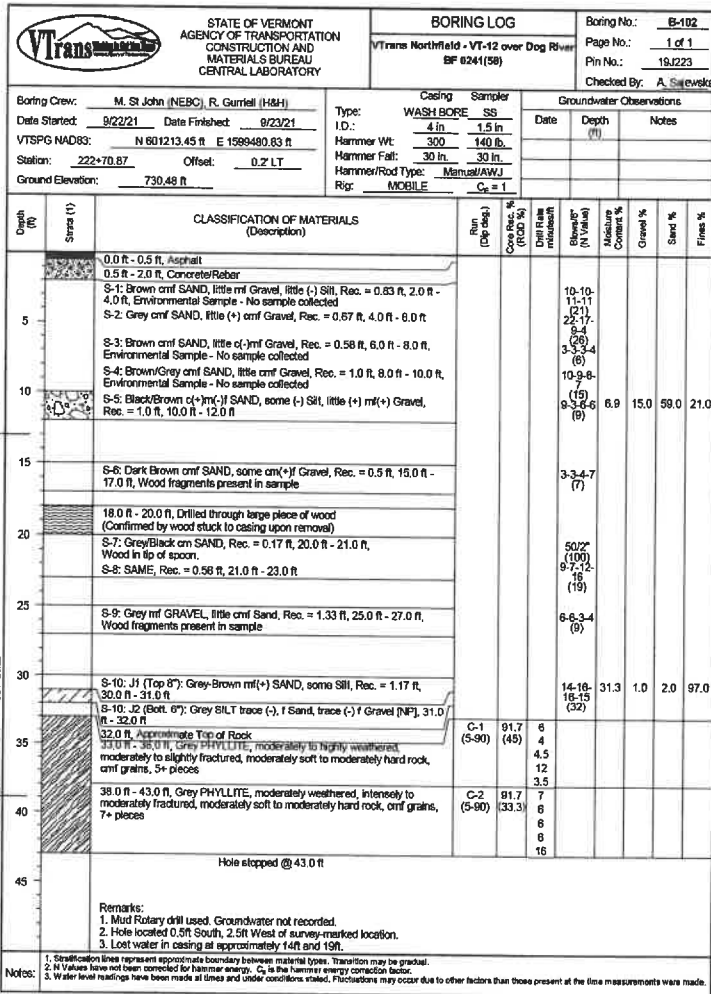
STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-101A			
VTTrans Northfield - VT-12 over Dog River		Page No.: 1 of 1		Pin No.: 19.223			
BF 0241(58)		Checked By: A. Sajewski					
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Casing Sampler		Groundwater Observations			
Date Started: 9/28/21 Date Finished: 9/28/21		Type: AUGER		Date Depth Notes			
VTSPG NAD83: N 601222.65 ft E 1599459.73 ft		I.D.: N.A. N.A.					
Station: 222+75.29 Offset: 23.7' LT		Hammer Wt: N.A. N.A.					
Ground Elevation: 730.47 ft		Hammer/Rod Type: AWJ					
		Rig: MOBILE					
		C _u =					
Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	Asphalt					
5		Visual Description: Brown cmf SAND, little cmf Gravel, trace Silt, Solid-Stem Auger, no sample taken - spoils visually classified					
10		Field Note: Solid-Stem Auger, drilling becomes hard - no samples taken					
15		Field Note: Mud Rotary, Very Hard drilling - no samples taken					
20		Hole stopped @ 25.0 ft					
25		Remarks: 1. Mud Rotary drill used. Groundwater not recorded. 2. Hole located 4ft North, 1.5ft West of B-101 as-drilled location. 3. For soil samples 0ft - 20ft, see B-101.					
Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. C _u is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.							

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)



FILE NAME: z19j223bor.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: R. GURRIELL
BORING LOG SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: S. BROWN
CHECKED BY: K. SMITH
SHEET 45 OF 102



PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223bor.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: R. GURRIEL

BORING LOG SHEET 2

PLOT DATE: 5/29/2025

DRAWN BY: S. BROWN

CHECKED BY: K. SMITH

SHEET 46 OF 102

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-104				
VT Trans Northfield - VT-12 over Dog River BF 0241(58)		Page No.: 1 of 1		Pin No.: 18J223		Checked By: A. Sajewski				
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Type: WASH BORE SS		Casing Sampler		Groundwater Observations				
Date Started: 9/24/21 Date Finished: 9/24/21		I.D.: 4 in. 1.5 in.		Date Depth Notes						
VTSPG NAD83: N 601364.21 ft E 1599463.86 ft		Hammer Wt: 300 140 lb		09/28/21 18.8 B-104MW Reading						
Station: 224+18.98 Offset: 28.5' LT		Hammer Fall: 30 in. 30 in.								
Ground Elevation: 729.56 ft		Hammer/Rod Type: Manual/AWJ								
		Rig: MOBILE		C _u = 1						
Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Run (ft)	Core Rec. % (ROD %)	Drill Rate (ft/min)	Borehole (ft)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	Asphalt								
1.0	2.0	S-1: Brown cml SAND, some cml Gravel, Rec. = 1.0 ft, 0.5 ft - 2.0 ft, Environmental Sample - No sample collected	12.16							
2.0	4.0	S-2: Brown cml(+) SAND, little cml Gravel, Rec. = 0.83 ft, 2.0 ft - 4.0 ft	12.10							
3.0	6.0	S-3: SAME, Rec. = 0.83 ft, 4.0 ft - 6.0 ft	10.10							
4.0	8.0	S-4: Brown cml SAND, some (+) cml Gravel, Rec. = 0.75 ft, 6.0 ft - 8.0 ft	15.5							
5.0	10.0	S-5: SAME, Rec. = 0.75 ft, 8.0 ft - 10.0 ft	5.7-8.5							
6.0	12.0	S-6: Brown/Grey ml Gravel, some (+) Silt, some (-) cml(-) Sand, Rec. = 1.0 ft, 10.0 ft - 12.0 ft, crumbled rock	12.13				8.9	47.0	20.0	33.0
7.0	14.0	12.0 ft - 15.0 ft, Cobbles	12.29							
8.0	16.0	S-7: Jar A (top 6"): Brown cml GRAVEL, some cml Sand, little Silt, Rec. = 0.75 ft, 15.0 ft - 16.5 ft, Partial Environmental Sample - very small sample collected	9.11							
9.0	18.0	S-7: Jar B (bottom 3"): Black CLAY & SILT, 16.5 ft - 17.0 ft	42.0							
10.0	20.0	S-8: Dark Brown c(-)ml SAND, some Silt, Rec. = 1.5 ft, 20.0 ft - 22.0 ft, Wood fragments throughout sample	2.4-5.9							
11.0	22.0	S-9: Grey c(-)ml Sand, and (-) ml(+) Gravel, little (+) Silt, Rec. = 1.25 ft, 22.0 ft - 24.0 ft	9.9-11.9				12.2	39.0	43.0	18.0
12.0	24.0	S-10: White/Grey cml SAND, some (+) c(-)ml Gravel, little Silt, Rec. = 0.83 ft, 25.0 ft - 27.0 ft, Decomposed Rock	15.36							
13.0	26.0	28.0 ft, Approximate Top of Rock	33.50							
14.0	28.0	29.0 ft - 34.0 ft, Grey PHYLLITE, moderately to slightly weathered, slightly fractured, moderately soft rock, cml grains, 7+ pieces	100							
15.0	30.0	34.0 ft - 39.0 ft, Grey PHYLLITE, slightly weathered, moderately to slightly fractured, moderately soft to moderately hard rock, cml grains, 6+ pieces. Bottom 6": Large quartz pocket	98.7							
16.0	32.0	Hole stopped @ 39.0 ft	6.5							
17.0	34.0	Remarks: 1. Mud Rotary drill used. Groundwater not recorded. 2. Hole located 4ft North, 1ft West of survey-marked location. 3. B-104MW installed 0.5ft North, 4ft West of B-104 as-drilled location.	7							
18.0	36.0		9							

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C_u is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-105				
VT Trans Northfield - VT-12 over Dog River BF 0241(58)		Page No.: 1 of 1		Pin No.: 18J223		Checked By: A. Sajewski				
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Type: WASH BORE SS		Casing Sampler		Groundwater Observations				
Date Started: 9/23/21 Date Finished: 9/23/21		I.D.: 4 in. 1.5 in.		Date Depth Notes						
VTSPG NAD83: N 601352.94 ft E 1596511.91 ft		Hammer Wt: 300 140 lb		09/28/21 18.8 B-104MW Reading						
Station: 224+13.78 Offset: 1.2' RT		Hammer Fall: 30 in. 30 in.								
Ground Elevation: 729.72 ft		Hammer/Rod Type: Manual/AWJ								
		Rig: MOBILE		C _u = 1						
Depth (ft)	Strata (ft)	CLASSIFICATION OF MATERIALS (Description)	Run (ft)	Core Rec. % (ROD %)	Drill Rate (ft/min)	Borehole (ft)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	Asphalt								
1.0	2.0	S-1: Grey/Brown ml Gravel, some (+) cml(-) Sand, some Silt, Rec. = 1.17 ft, 0.5 ft - 2.0 ft	41.50				2.5	23.0	33.0	24.0
2.0	4.0	S-2: SAME, Rec. = 0.92 ft, 2.0 ft - 4.0 ft	46.39							
3.0	6.0	S-3: SAME, Rec. = 0.58 ft, 4.0 ft - 6.0 ft	17.13							
4.0	8.0	S-4: Grey cml GRAVEL, little cml Sand, Rec. = 0.33 ft, 6.0 ft - 8.0 ft	10.6							
5.0	10.0	S-5: Dark Brown cml SAND, little (+) cml Gravel, Rec. = 0.42 ft, 8.0 ft - 10.0 ft	6.25-2							
6.0	12.0	S-6: Grey c(-)ml GRAVEL, trace cml Sand, trace (-) Silt, Rec. = 1.08 ft, 10.0 ft - 12.0 ft, Crumbled Rock	7.8-2.8							
7.0	14.0	S-7: Grey cml GRAVEL, little Silt, trace f Sand, Rec. = 0.5 ft, 15.0 ft - 17.0 ft, Crumbled Rock	3.4-7.1							
8.0	16.0	S-8: Grey cml(+) SAND, trace cml Gravel, Rec. = 0.67 ft, 20.0 ft - 22.0 ft, Environmental Sample - No sample collected	3-4.7							
9.0	18.0	S-9: Grey-Black ml(+) Gravel, and (-) cml(-) Sand, some (-) Silt, Rec. = 1.5 ft, 22.0 ft - 24.0 ft	11							
10.0	20.0	25.0 ft - 30.0 ft, Grey PHYLLITE, moderately weathered, moderately to slightly fractured, moderately soft rock, cml grains, 5+ pieces	3-10							
11.0	22.0	30.0 ft - 35.0 ft, Grey PHYLLITE, moderately weathered, moderately fractured, moderately soft rock, cml grains, 5+ pieces	16-23				12.4	44.0	35.0	21.0
12.0	24.0	Hole stopped @ 35.0 ft	26							
13.0	26.0	Remarks: 1. Mud Rotary drill used. Groundwater not recorded. 2. Hole located 3.5ft North of survey-marked location. 3. Could not maintain seal at bottom of casing, used approximately 750 gallons of water during rock coring.	91.7							
14.0	28.0		3							
15.0	30.0		3							
16.0	32.0		6							
17.0	34.0		4							
18.0	36.0		4							
19.0	38.0		4.5							

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C_u is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



PROJECT NAME: NORTHFIELD	PLOT DATE: 5/29/2025
PROJECT NUMBER: BF 0241(58)	DRAWN BY: S. BROWN
FILE NAME: z191223bor.dgn	CHECKED BY: K. SMITH
PROJECT LEADER: K. SMITH	SHEET 47 OF 102
DESIGNED BY: R. GURRIEL	
BORING LOG SHEET 3	

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-108			
VTrans Northfield - VT-12 over Dog River BF 0241(58)		Page No.: 1 of 1		Pin No.: 19J223			
Checked By: A. Sajewski		Casing Sampler		Groundwater Observations			
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Type: WASH BORE		Date			
Date Started: 9/20/21 Date Finished: 9/20/21		I.D.: 4 in. 1.5 in.		Depth (ft)			
VTSPG NAD83: N 601347.71 ft E 1599537.30 ft		Hammer Wt: 300 140 lb		Notes			
Station: 22+13.63 Offset: 27.2 RT		Hammer Fall: 30 in. 30 in.					
Ground Elevation: 729.97 ft		Hammer/Rod Type: Manual/AWJ					
		Rgr: MOBILE		C _g = 1			
Depth (ft)	Strat (1)	Classification of Materials (Description)	Blow Count (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.5 ft		S-1: Brown cml SAND, little cml Gravel, grass/organics, Rec. = 0.75 ft, 0.0 ft - 2.0 ft, Environmental Sample - no sample taken	4-6-13-17				
0.5 - 1.0 ft		S-2: Brown cml SAND, little cml Gravel, grass/organics, Rec. = 0.42 ft, 2.0 ft - 4.0 ft, Environmental Sample - no sample taken	15-12-8-2				
1.0 - 1.5 ft		S-3: Grey cml-if SAND, some (+) f Gravel, little (+) Silt, Rec. = 1.0 ft, 4.0 ft - 6.0 ft	9-8-8-5				
1.5 - 2.0 ft		S-4: Grey cml-if SAND, some (+) f Gravel, little (+) Silt, Rec. = 1.17 ft, 6.0 ft - 8.0 ft	6-7-11-7	6.2	32.0	50.0	18.0
2.0 - 2.5 ft		S-5: Grey cml-if SAND, some (+) f Gravel, little (+) Silt, Rec. = 0.5 ft, 8.0 ft - 10.0 ft	9-8-10-16				
2.5 - 3.0 ft		S-6: Tan/Dark Brown cml SAND, trace f Gravel, trace Silt, Rec. = 1.17 ft, 10.0 ft - 12.0 ft	8-10-10-10				
3.0 - 3.5 ft		S-7: Brown f SAND, some Silt, trace (-) f Gravel, Rec. = 0.75 ft, 15.0 ft - 17.0 ft	6-8-8-11	17.4	1.0	73.0	28.0
3.5 - 4.0 ft		S-8: Brown f SAND, some Silt, trace (-) f Gravel, Rec. = 0.75 ft, 20.0 ft - 22.0 ft, Large wood fragment in center of sample	4-3-1-1				
4.0 - 4.5 ft		S-9: Grey mlf (+) Gravel, some (+) of Sand, some Silt, Rec. = 1.5 ft, 22.0 ft - 24.0 ft, Decomposed Rock	4-12-21-60	10.6	40.0	32.0	28.0
4.5 - 5.0 ft		24.0 ft, Approximate Top of Rock					
5.0 - 5.5 ft		25.0 ft - 30.0 ft, Grey PHYLLITE, slightly weathered, moderately fractured, moderately soft rock, mlf grains, 12 pieces	C-1 (30-60)	96.7 (63.3)	3.5	5.5	6.5
5.5 - 6.0 ft							
6.0 - 6.5 ft							
6.5 - 7.0 ft							
7.0 - 7.5 ft							
7.5 - 8.0 ft		30.0 ft - 35.0 ft, Grey PHYLLITE, slightly weathered, slightly fractured, moderately soft rock, mlf grains, 3+ pieces	C-2 (60)	100 (11.7)	7.5	8	7
8.0 - 8.5 ft							
8.5 - 9.0 ft							
9.0 - 9.5 ft							
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92.5 - 93.0 ft							
93.0 - 93.5 ft				</			

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: H-102				
VTrans Northfield - VT-12 over Dog River <td colspan="2">Page No.: 1 of 1 <td colspan="2">Pin No.: 19J223 </td></td>		Page No.: 1 of 1 <td colspan="2">Pin No.: 19J223 </td>		Pin No.: 19J223				
BF 0241(58) <td colspan="2">Checked By: A. Sajewski <td colspan="2"> </td></td>		Checked By: A. Sajewski <td colspan="2"> </td>						
Boring Crew: M. St John (NEBC) R. Curriell (H&H) <td colspan="2">Casing Sampler <td colspan="2">Groundwater Observations </td></td>		Casing Sampler <td colspan="2">Groundwater Observations </td>		Groundwater Observations				
Date Started: 9/22/21 Date Finished: 9/22/21 <td colspan="2">Type: AUGER SS <td colspan="2">Date Depth (ft) Notes </td></td>		Type: AUGER SS <td colspan="2">Date Depth (ft) Notes </td>		Date Depth (ft) Notes				
VTSPG NAD83: N 601161.44 ft E 1599480.88 ft <td colspan="2">I.O.: 1.5 in <td colspan="2"> </td></td>		I.O.: 1.5 in <td colspan="2"> </td>						
Station: 222+20.01 Offset: 10.8' RT <td colspan="2">Hammer Wt: N.A. 140 lb <td colspan="2"> </td></td>		Hammer Wt: N.A. 140 lb <td colspan="2"> </td>						
Ground Elevation: 738.78 ft <td colspan="2">Hammer Fall: N.A. 30 in <td colspan="2"> </td></td>		Hammer Fall: N.A. 30 in <td colspan="2"> </td>						
<td colspan="2">Hammer/Rod Type: Manual/AWJ <td colspan="2"> </td></td>		Hammer/Rod Type: Manual/AWJ <td colspan="2"> </td>						
<td colspan="2">Rig: MOBILE <td colspan="2"> </td></td>		Rig: MOBILE <td colspan="2"> </td>						
<td colspan="2">C_g = 1 <td colspan="2"> </td></td>		C _g = 1 <td colspan="2"> </td>						
Depth (ft)	Strat (ft)	CLASSIFICATION OF MATERIALS (Description)		Blowing (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	0.0 ft - 0.5 ft, Asphalt						
0.5	2.0	0.5 ft - 2.0 ft, Concrete						
2.0	4.0	S-1: Grey/Brown cml SAND, trace ml Gravel, Rec. = 1.25 ft, 2.0 ft - 4.0 ft		25-30				
4.0	8.0	S-2: Brown cml SAND, little Silt, trace f Gravel, Rec. = 1.17 ft, 4.0 ft - 8.0 ft		26-26				
8.0	11.0	Field Note: Cobbles/Boulder		26-26				
11.0	23.0	Visual Description: Brown cml SAND, little Silt, trace f Gravel		26-26				
23.0	25.0	Field Note: Boulder		26-26				
25.0	25.0	S-3: Grey-Brown ml SAND, trace Silt, Rec. = 1.25 ft, 20.0 ft - 22.0 ft		11-21				
22.0	25.0	S-4: SAME, 22.0 ft - 25.0 ft, Spoon over-driven to collect extra soil for environmental sample		14-20				
25.0	25.0	SPT values correlate to middle 2ft (22.5 - 24.5)		27-35				
25.0	25.0	Rec. = 2.0 ft		47				
Hole stopped @ 25.0 ft								
Remarks: 1. Hole located 0.5ft South of survey-marked location. 2. Environmental Hole, no samples collected. Samples & auger spoils visually classified.								

ABUTMENT 2
BOT PC
EL = 716.5'

2010 COPY NORTHFIELD-VT-12 OVER DOG RIVER-UP, VERMONT AOT-GOT 5822

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C_g is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: H-103				
VTrans Northfield - VT-12 over Dog River <td colspan="2">Page No.: 1 of 1 <td colspan="2">Pin No.: 19J223 </td></td>		Page No.: 1 of 1 <td colspan="2">Pin No.: 19J223 </td>		Pin No.: 19J223				
BF 0241(58) <td colspan="2">Checked By: A. Sajewski <td colspan="2"> </td></td>		Checked By: A. Sajewski <td colspan="2"> </td>						
Boring Crew: M. St John (NEBC) R. Curriell (H&H) <td colspan="2">Casing Sampler <td colspan="2">Groundwater Observations </td></td>		Casing Sampler <td colspan="2">Groundwater Observations </td>		Groundwater Observations				
Date Started: 9/27/21 Date Finished: 9/27/21 <td colspan="2">Type: AUGER SS <td colspan="2">Date Depth (ft) Notes </td></td>		Type: AUGER SS <td colspan="2">Date Depth (ft) Notes </td>		Date Depth (ft) Notes				
VTSPG NAD83: N 601373.38 ft E 1599498.83 ft <td colspan="2">I.O.: 1.5 in <td colspan="2"> </td></td>		I.O.: 1.5 in <td colspan="2"> </td>						
Station: 224+31.03 Offset: 15.8' LT <td colspan="2">Hammer Wt: N.A. 140 lb <td colspan="2"> </td></td>		Hammer Wt: N.A. 140 lb <td colspan="2"> </td>						
Ground Elevation: 729.13 ft <td colspan="2">Hammer Fall: N.A. 30 in <td colspan="2"> </td></td>		Hammer Fall: N.A. 30 in <td colspan="2"> </td>						
<td colspan="2">Hammer/Rod Type: Manual/AWJ <td colspan="2"> </td></td>		Hammer/Rod Type: Manual/AWJ <td colspan="2"> </td>						
<td colspan="2">Rig: MOBILE <td colspan="2"> </td></td>		Rig: MOBILE <td colspan="2"> </td>						
<td colspan="2">C_g = 1 <td colspan="2"> </td></td>		C _g = 1 <td colspan="2"> </td>						
Depth (ft)	Strat (ft)	CLASSIFICATION OF MATERIALS (Description)		Blowing (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0	0.5	0.0 ft - 0.5 ft, Asphalt						
0.5	1.0	0.5 ft - 1.0 ft, Concrete						
1.0	3.0	S-1: Grey/Brown cml SAND, little cml Gravel, trace Silt, Rec. = 1.33 ft, 1.0 ft - 3.0 ft		27-24				
3.0	5.0	S-2: Brown cml SAND, trace cml(-) Gravel, Rec. = 0.87 ft, 3.0 ft - 5.0 ft		25-21				
5.0	8.0	Visual Description: Brown ml SAND, little cml Gravel, little Silt, Boulders/Cobbles throughout		49				
8.0	15.0	Visual Description: Grey cml GRAVEL, some cml Sand, little Silt		31-37				
15.0	18.0	S-3: Brown cml SAND, little Silt, trace cml Gravel, Rec. = 0.92 ft, 15.0 ft - 17.0 ft		44-30				
17.0	17.5	S-4: Top 5": SAME, Rec. = 1.58 ft, 17.0 ft - 17.5 ft		81				
17.5	19.0	S-4: Rest: Black ml SAND, some Silt, 17.5 ft - 19.0 ft		18-7-9				
19.0	18.5	S-5: Top 6": Brown cml SAND, little Silt, trace ml Gravel, Rec. = 1.82 ft, 18.0 ft - 18.5 ft		8				
18.5	21.0	S-5: Rest: Black ml SAND, some Silt, rock fragments, 18.5 ft - 21.0 ft		18				
21.0	23.0	S-6: Black/Grey SILT, little f Sand, little ml Gravel, Rec. = 0.83 ft, 21.0 ft - 23.0 ft, Decomposed		6-3-6-6				
23.0	25.0	S-7: Grey cml SAND, Rec. = 0.92 ft, 23.0 ft - 25.0 ft		9				
25.0	25.0	Hole stopped @ 25.0 ft		7-7-10				
25.0	25.0	Remarks: 1. Hole located 3ft North of survey-marked location. 2. Environmental Hole, no samples collected. Samples & auger spoils visually classified.		39-5				

ABUTMENT 2
BOT PC
EL = 716.5'

2010 COPY NORTHFIELD-VT-12 OVER DOG RIVER-UP, VERMONT AOT-GOT 5822

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C_g is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



PROJECT NAME: NORTHFIELD	PLOT DATE: 5/29/2025
PROJECT NUMBER: BF 0241(58)	DRAWN BY: S. BROWN
FILE NAME: z19j223bor.dgn	CHECKED BY: K. SMITH
PROJECT LEADER: K. SMITH	SHEET 49 OF 102
DESIGNED BY: R. CURRIELL	
BORING LOG SHEET 5	

 STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG VTtrans Northfield - VT-12 over Dog River BF 0241(58)		Boring No.: H-104	
				Page No.: 1 of 1 Pin No.: 19J223 Checked By: A. Siewicki	
Boring Crew: M. St John (NEBC), R. Gurnell (H&H)		Casing Sampler Type: AUGER SS I.D.: 1.5 in		Groundwater Observations	
Date Started: 9/20/21 Date Finished: 9/20/21		Hammer Wt: N.A. 140 lb. Hammer Fall: N.A. 30 in. Hammer/Rod Type: Manual/AWJ Rgr: MOBILE C _u = 1		Date: 09/29/21 Depth (ft): 20.0 Notes: Moist Samples Note:	
VTSPG NAD83: N 601363.07 ft E 1589529.48 ft Station: 224+27.33 Offset: 16.3' RT Ground Elevation: 729.43 ft					

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Standard (ft Value)	Moisture Content (%)	Gravel %	Sand %	Fines %
0.0 ft - 0.5 ft		Asphalt					
0.5 ft - 1.42 ft		S-1: Brown cmf SAND, little cmf Gravel, trace Silt, Rec. = 0.75 ft, 0.5 ft - 2.0 ft	12-27-31-35 (58)				
1.42 ft - 2.0 ft		S-2: SAME, Rec. = 1.42 ft, 2.0 ft - 4.0 ft	26-50-36-23 (86)				
2.0 ft - 24.0 ft		Visual Description: Brown c(-)mf SAND, little (+) Silt, trace mf Gravel					
24.0 ft - 25.0 ft		S-3: Brown cmf SAND, little Silt, Rec. = 1.67 ft, 20.0 ft - 22.0 ft	6-6-8-9 (14)				
25.0 ft - 26.0 ft		S-4: Grey cmf (+)f SAND, little Silt, Rec. = 1.5 ft, 22.0 ft - 24.0 ft	6-10-22-33 (31)				
26.0 ft - 27.0 ft		Hole stopped @ 24.0 ft					
27.0 ft - 30.0 ft		Remarks: 1. Hole located 0.5 ft South of survey-marked location. 2. Environmental Hole, no samples collected. Samples & auger spots visually classified. 3. ATLAS provided a separate report for environmental testing information.					

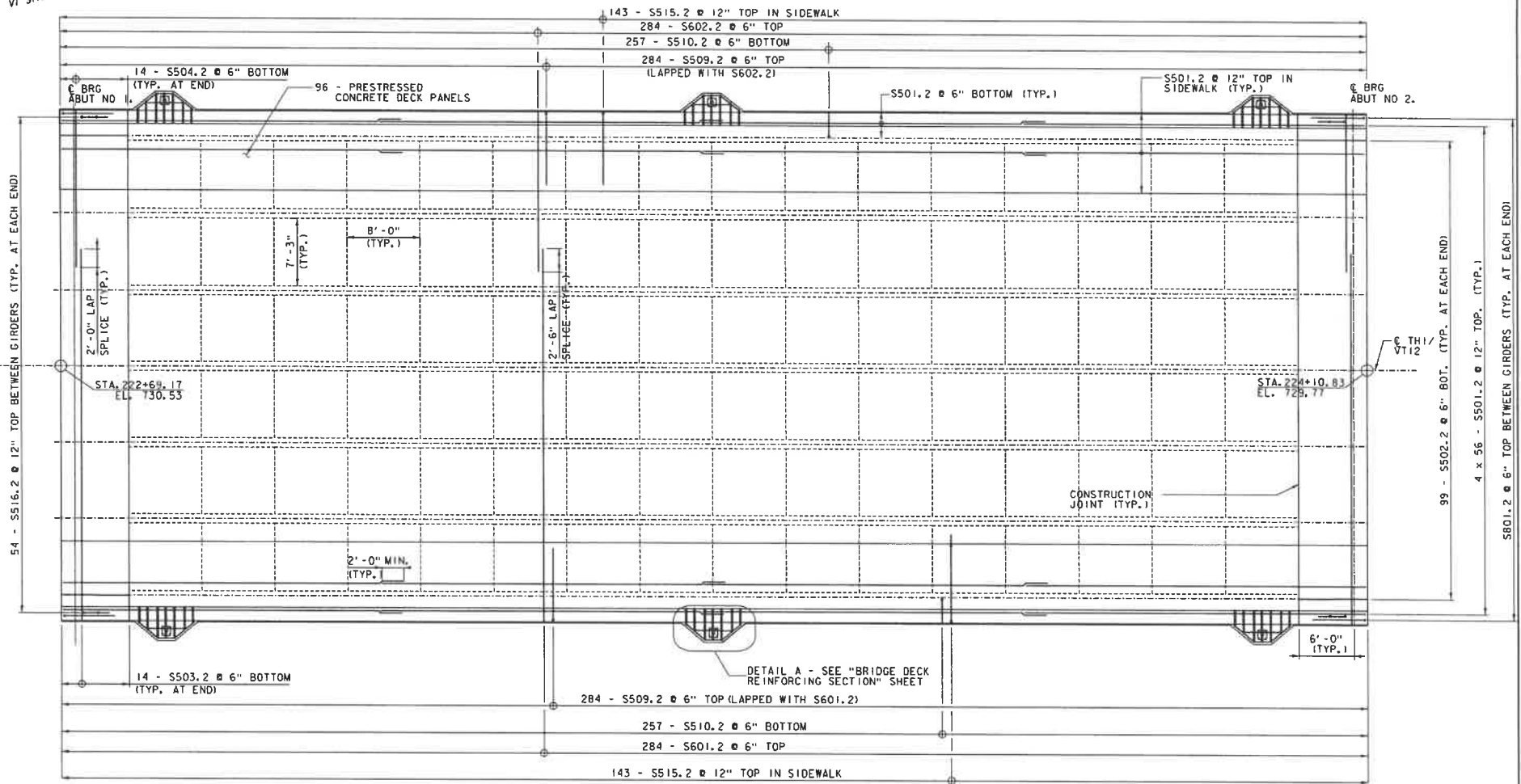
2019 COPY: NORTHFIELD - VT-12 OVER DOG RIVER.DWG VERMONT AOT 6/07 66/22

ABUTMENT 2 BOT PC CL. + 716.5'

Notes:
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. C_u is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



PROJECT NAME: NORTHFIELD	FILE NAME: z19j223bor.dgn	PLOT DATE: 5/29/2025
PROJECT NUMBER: BF 0241(58)	PROJECT LEADER: K. SMITH	DRAWN BY: S. BROWN
	DESIGNED BY: R. GURRIELL	CHECKED BY: K. SMITH
	BORING LOG SHEET 6	SHEET 50 OF 102



- NOTES:
- BRIDGE RAIL REINFORCEMENT NOT SHOWN FOR CLARITY. SEE "BRIDGE RAILING DETAILS 1" AND "BRIDGE RAILING DETAILS 2" FOR BRIDGE RAIL REINFORCEMENT DETAILS.
 - SEE "ABUTMENT 1 REINFORCEMENT" AND "ABUTMENT 2 REINFORCEMENT" FOR STEM REINFORCEMENT DETAILS.

DECK REINFORCEMENT PLAN

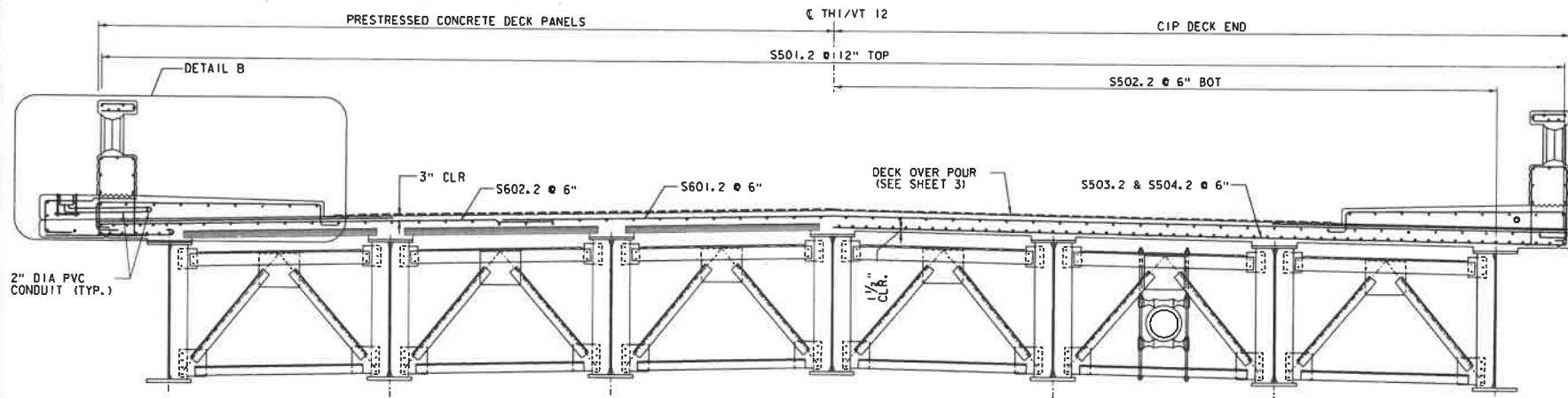
SCALE: $\frac{3}{16}''=1'-0''$



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(K58)

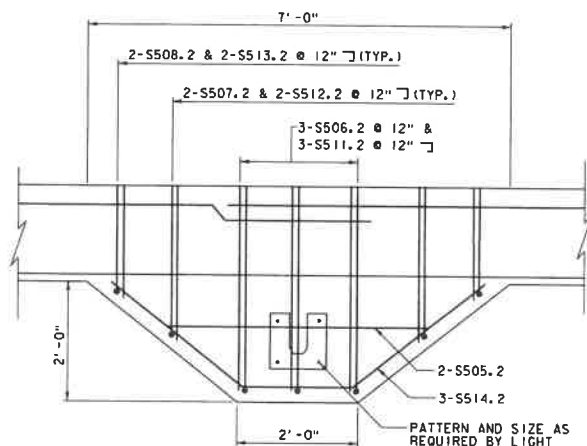
FILE NAME: z9j223sup.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB
BRIDGE DECK PLAN

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 51 OF 102



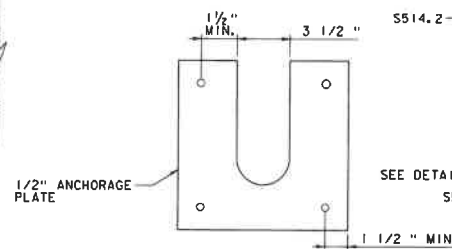
DECK REINFORCING SECTION

SCALE: 1/2" = 1' 0"



DETAIL A

SCALE: 1" = 1' 0"



EMBEDDED LIGHT POLE ANCHORAGE PLATE DETAIL

SCALE: 3" = 1' 0"

DETAIL B

SCALE: 1" = 1' 0"

NOTES:

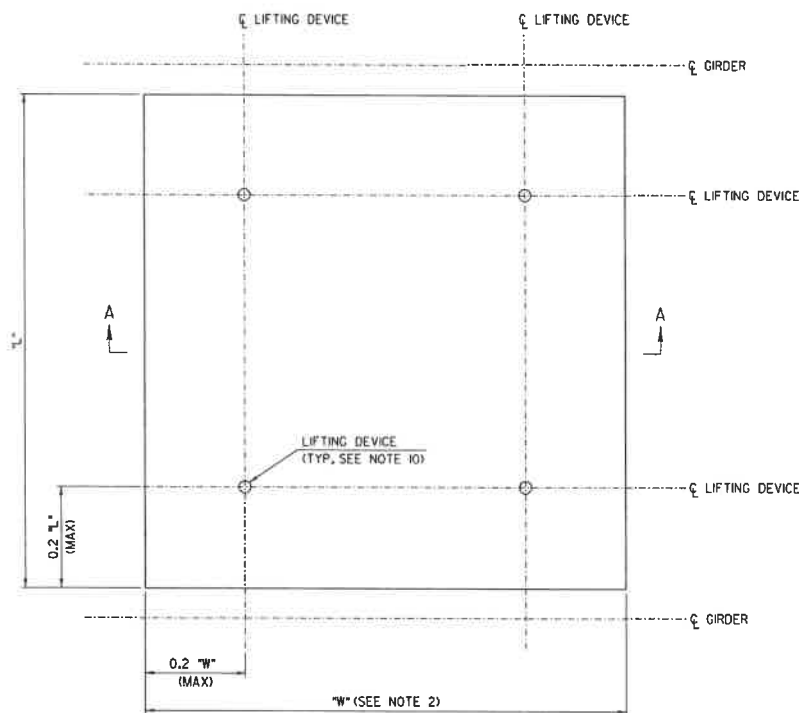
1. SEE DRAWING "BRIDGE RAILING DETAILS 1" AND "BRIDGE RAILING DETAILS 2" FOR BRIDGE RAILING REINFORCEMENT DETAILS.
2. CLEAR COVER TO REINFORCEMENT OF 3" UNLESS NOTED OTHERWISE.
3. SEE DRAWING "BRIDGE DECK PLAN" FOR LOCATION OF DETAIL A

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

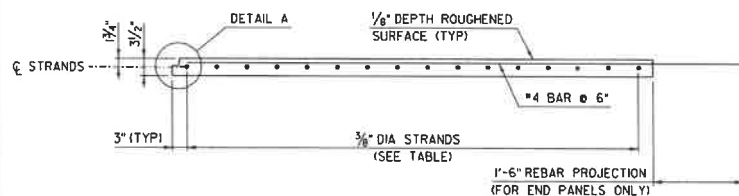
FILE NAME: z19j223sup.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB
BRIDGE DECK REINFORCING SECTION

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 52 OF 102





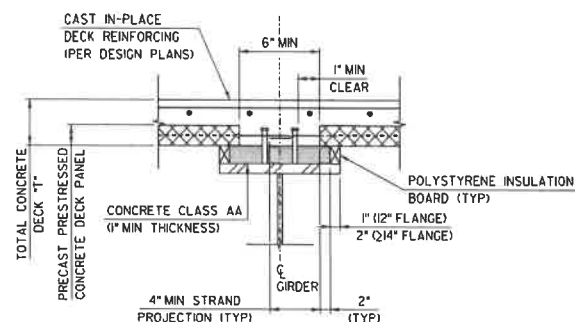
PRECAST PRESTRESSED
CONCRETE DECK PANEL PLAN
(REINFORCEMENT NOT SHOWN)
SCALE 1" = 1'-0"



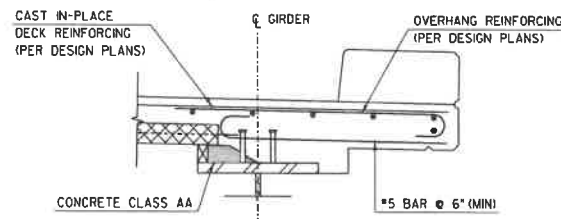
SECTION A-A
SCALE 1" = 1'-0"

PRECAST PANELS ON STEEL GIRDERS			
MAXIMUM GIRDER SPACING	SLAB *T*	NUMBER OF STRANDS	
		FLANGE WIDTH	
		< 1'-6"	< 2'-0"
7'-0"	8 1/2"	9	9
7'-6"	8 1/2"	11	10
8'-0"	8 1/2"	12	12
8'-6"	8 1/2"	14	13
9'-0"	8 1/2"	16	15
9'-6"	8 1/2"	18	17
10'-0"	8 1/2"	20	19

* BARE DECKS WITH 9" THICKNESS AFTER GRINDING SHALL INCLUDE ONE ADDITIONAL STRAND.



BLOCKING DETAIL
SCALE 1" = 1'-0"



TYPICAL OVERHANG SECTION
SCALE 1" = 1'-0"

LEGEND

- PRECAST PRESTRESSED CONCRETE DECK PANEL
- CONCRETE CLASS AA WITH HIGH RANGE WATER REDUCING ADMIXTURE

GENERAL NOTES:

1. PRECAST DECK PANELS SHALL CONFORM TO STANDARD SPECIFICATION SECTION 510 - PRESTRESSED CONCRETE. REINFORCING BARS SHALL MEET THE REQUIREMENTS OF SECTION 507 - REINFORCING STEEL.
2. THE TYPICAL PANEL WIDTH IS 8'-0". PANEL WIDTHS OF LESS THAN 8'-0" MAY BE USED. PROVIDE STRANDS IN THE RATIO OF THE SMALLER PANEL WIDTH TO 8'-0", MULTIPLIED BY THE NUMBER OF STRANDS SHOWN, ROUNDING UP TO THE NEXT EVEN NUMBER OF STRANDS. THE MINIMUM PANEL WIDTH IS 3'-0".
3. THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS SHOWING THE EXACT LAYOUT OF PANEL TYPES AND SIZES.
4. PRESTRESSING STRANDS SHALL BE 3/8" DIAMETER, GRADE 270 7 - WIRE LOW RELAXATION STRANDS CONFORMING TO THE REQUIREMENTS OF AASHTO M203 (ASTM A416). INITIAL TENSION SHALL BE 17.2 KIPS PER STRAND.
5. REINFORCING BARS SHALL HAVE THE SAME LEVEL OF CORROSION RESISTANCE AS THE REINFORCING BARS IN THE CAST-IN-PLACE PORTION OF THE DECK.
6. CONCRETE FOR PRECAST PRESTRESSED CONCRETE DECK PANELS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI AND A MINIMUM RELEASE STRENGTH OF 4,000 PSI.
7. DURING ERECTION, PRECAST PRESTRESSED CONCRETE DECK PANELS SHALL ALIGN VERTICALLY TO WITHIN 1/4 INCH.
8. POLYSTYRENE INSULATION BOARD SHALL BE CONTINUOUS, HIGH-DENSITY AND SHALL BE CUT IN THE FIELD TO THE REQUIRED THICKNESS.
9. DECK PANELS ARE REQUIRED TO BE GROUTED IN PLACE PRIOR TO PLACEMENT OF THE CAST-IN-PLACE DECK. TOP OF GROUT BED SHALL BE A MINIMUM OF 1" BELOW THE STRAND EXTENSIONS.
10. LIFTING DEVICE SELECTION AND DESIGN SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. A MINIMUM OF FOUR DEVICES SHALL BE INSTALLED.
11. REGARDLESS OF THE CURING METHOD FOR THE HAUNCH POUR, FULLY SATURATE CONTINUOUSLY, THE TOP AND SIDE SURFACES OF THE PANELS FOR THREE DAYS AFTER THE HAUNCH POUR AND PRIOR TO THE OVER POUR, PROCEDURE OF THE WETTING METHOD SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL TO THE RESIDENT ENGINEER.
12. TEMPORARY BRACING BETWEEN PANELS SHALL BE PROVIDED AS REQUIRED TO PREVENT PANEL MOVEMENT TRANSVERSE TO THE GIRDERS. TEMPORARY BRACING DETAILS SHALL BE PROVIDED IN THE PANEL FABRICATION DRAWINGS AND/OR ERECTION PLAN.

PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 024(58)

FILE NAME: z19123sup.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: VTRANS

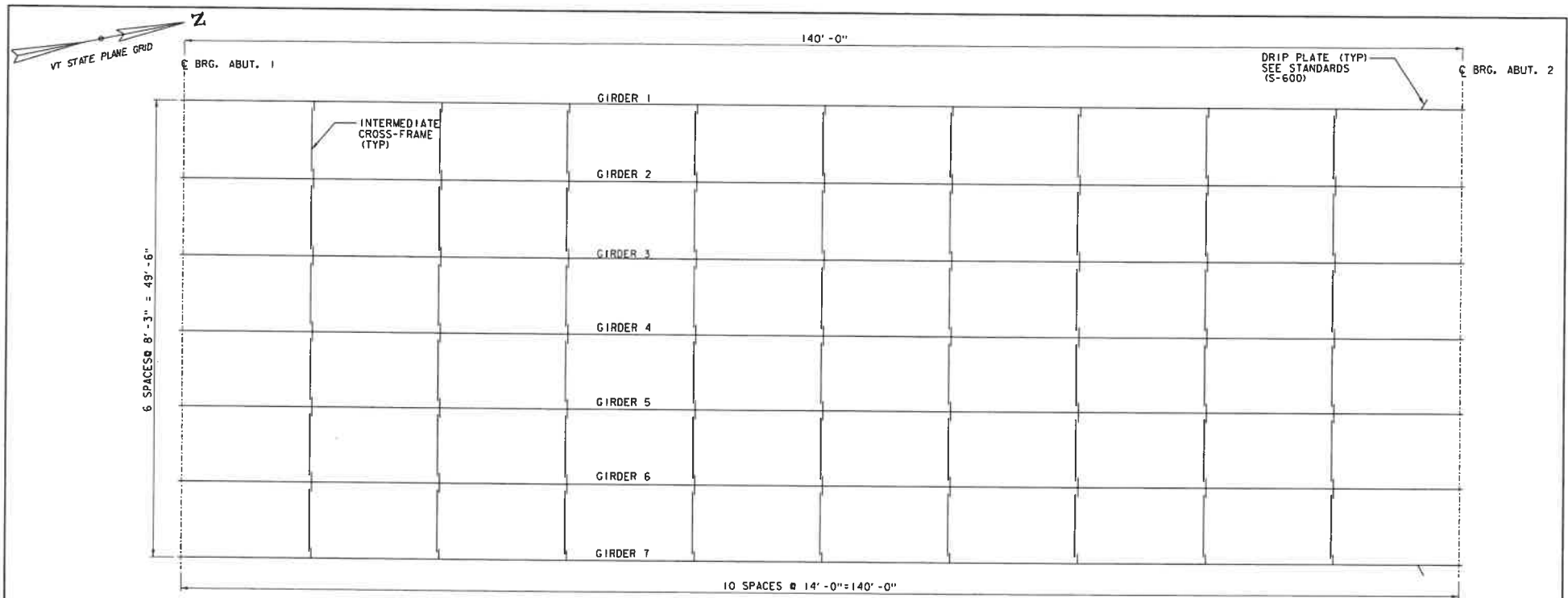
BRIDGE DECK DETAILS

PLOT DATE: 5/29/2025

DRAWN BY: VTRANS

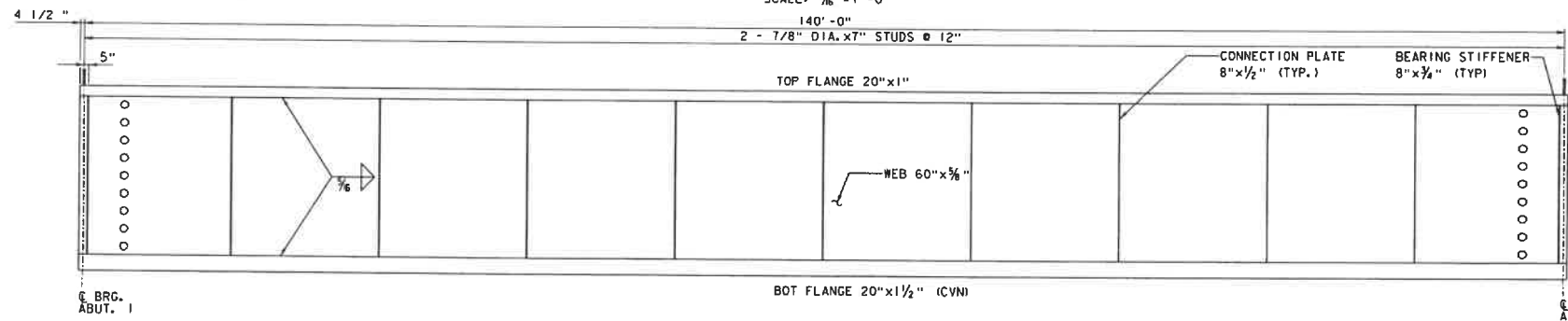
CHECKED BY: VTRANS

SHEET 53 OF 102



FRAMING PLAN

SCALE: $\frac{3}{8}" = 1' - 0"$

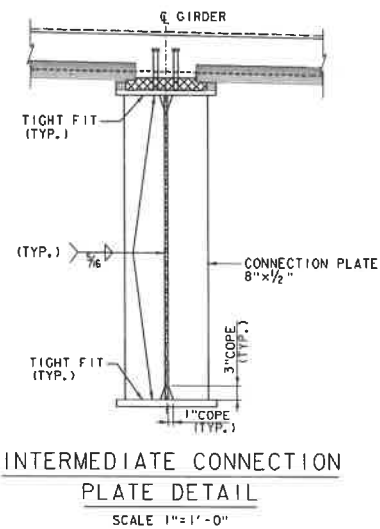
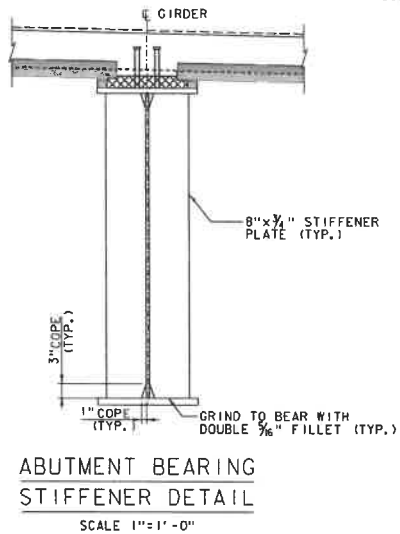
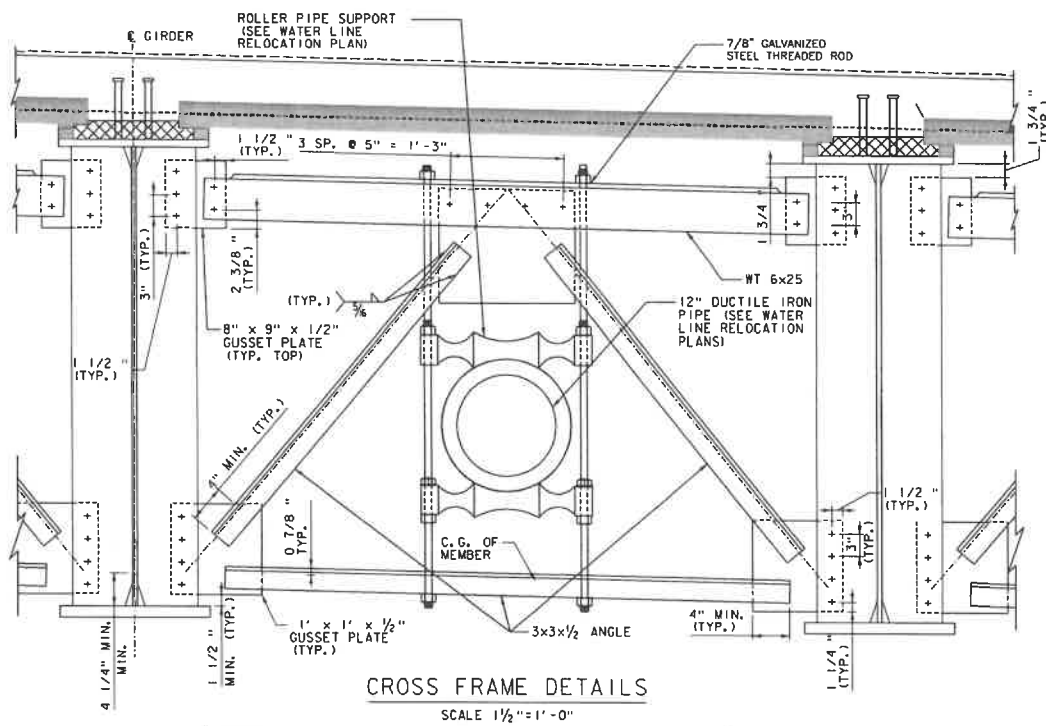


TYPICAL GIRDER ELEVATION

NOT TO SCALE



PROJECT NAME: NORTHFIELD	FILE NAME: z19j223sup.dgn	PLOT DATE: 5/29/2025
PROJECT NUMBER: BF 0241(58)	PROJECT LEADER: K. SMITH	DRAWN BY: C. JAMISON
	DESIGNED BY: N. BOB	CHECKED BY: K. SMITH
	FRAMING PLAN	SHEET 54 OF 102



NOTES:

1. ALL CROSS FRAME GUSSET PLATES ARE TO ATTACH TO THE BACK OF CONNECTION PLATES

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z191223sup.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB

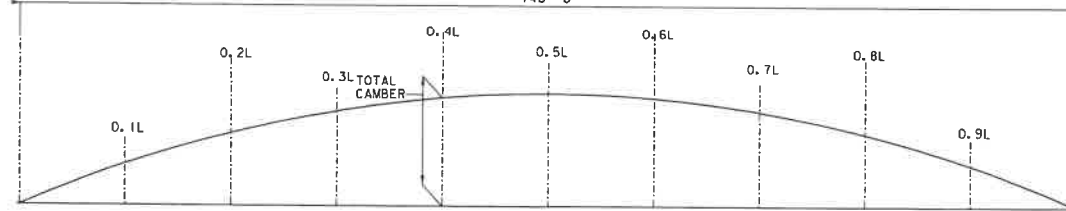
PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 55 OF 102



CL BRG ABUT. 1

140'-0"

CL BRG ABUT. 2



CAMBER DIAGRAM

NOT TO SCALE

CAMBER TABLE												
GIRDER		CL OF BRG ABUT. 1	0.1L	0.2L	0.3L	0.4L	0.5L	0.6L	0.7L	0.8L	0.9L	CL OF BRG ABUT. 2
1	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.39	-2.62	-3.59	-4.21	-4.42	-4.21	-3.59	-2.62	-1.39	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.44	-0.83	-1.14	-1.33	-1.40	-1.33	-1.14	-0.83	-0.44	0.00
	TOTAL (IN.)	0.00	-2.30	-4.35	-5.96	-6.98	-7.33	-6.98	-5.96	-4.35	-2.30	0.00
2	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.72	-3.26	-4.46	-5.22	-5.48	-5.22	-4.46	-3.26	-1.72	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.42	-0.79	-1.08	-1.27	-1.33	-1.27	-1.08	-0.79	-0.42	0.00
	TOTAL (IN.)	0.00	-2.62	-4.95	-6.78	-7.94	-8.33	-7.94	-6.78	-4.95	-2.62	0.00
3	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.72	-3.26	-4.46	-5.22	-5.48	-5.22	-4.46	-3.26	-1.72	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.42	-0.79	-1.08	-1.27	-1.33	-1.27	-1.08	-0.79	-0.42	0.00
	TOTAL (IN.)	0.00	-2.62	-4.95	-6.78	-7.94	-8.33	-7.94	-6.78	-4.95	-2.62	0.00
4	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.72	-3.26	-4.46	-5.22	-5.48	-5.22	-4.46	-3.26	-1.72	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.42	-0.79	-1.08	-1.27	-1.33	-1.27	-1.08	-0.79	-0.42	0.00
	TOTAL (IN.)	0.00	-2.62	-4.95	-6.78	-7.94	-8.33	-7.94	-6.78	-4.95	-2.62	0.00
5	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.72	-3.26	-4.46	-5.22	-5.48	-5.22	-4.46	-3.26	-1.72	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.42	-0.79	-1.08	-1.27	-1.33	-1.27	-1.08	-0.79	-0.42	0.00
	TOTAL (IN.)	0.00	-2.62	-4.95	-6.78	-7.94	-8.33	-7.94	-6.78	-4.95	-2.62	0.00
6	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.72	-3.26	-4.46	-5.22	-5.48	-5.22	-4.46	-3.26	-1.72	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.42	-0.79	-1.08	-1.27	-1.33	-1.27	-1.08	-0.79	-0.42	0.00
	TOTAL (IN.)	0.00	-2.62	-4.95	-6.78	-7.94	-8.33	-7.94	-6.78	-4.95	-2.62	0.00
7	I. STEEL DL (IN.)	0.00	-0.48	-0.90	-1.23	-1.45	-1.52	-1.45	-1.23	-0.90	-0.48	0.00
	II. CONCRETE DL (IN.)	0.00	-1.39	-2.62	-3.59	-4.21	-4.42	-4.21	-3.59	-2.62	-1.39	0.00
	III. SUPERIMPOSED DL (IN.)	0.00	-0.44	-0.83	-1.14	-1.33	-1.40	-1.33	-1.14	-0.83	-0.44	0.00
	TOTAL (IN.)	0.00	-2.30	-4.35	-5.96	-6.98	-7.33	-6.98	-5.96	-4.35	-2.30	0.00



PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 0241(58)

FILE NAME: z191223sup.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: N. BOB

CAMBER TABLE

PLOT DATE: 5/29/2025

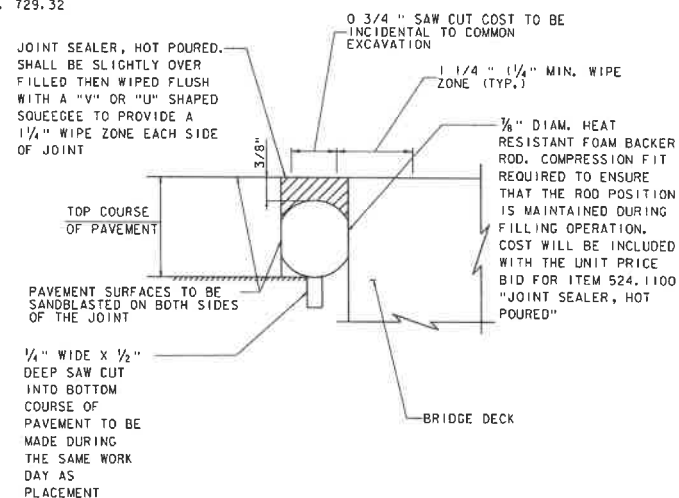
DRAWN BY: C. JAMISON

CHECKED BY: K. SMITH

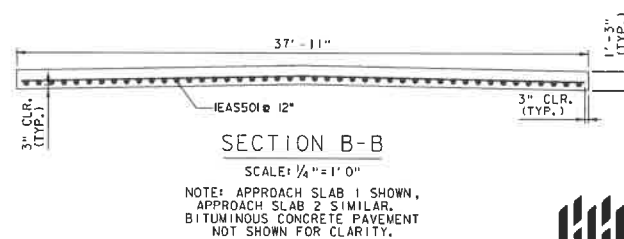
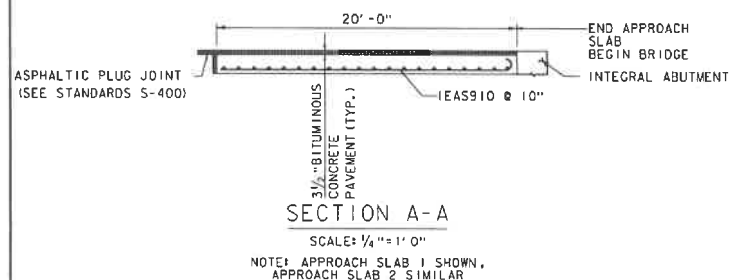
SHEET 56 OF 102

APPROACH SLAB 1 PLAN

APPROACH SLAB 2 PLAN



SAW CUT PAVEMENT JOINT DETAIL
(NOT TO SCALE)



NOTES:

1. ALL ELEVATIONS ARE GIVEN AT THE TOP OF
APPROACH SLABS.

PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223sup_approach.dgn

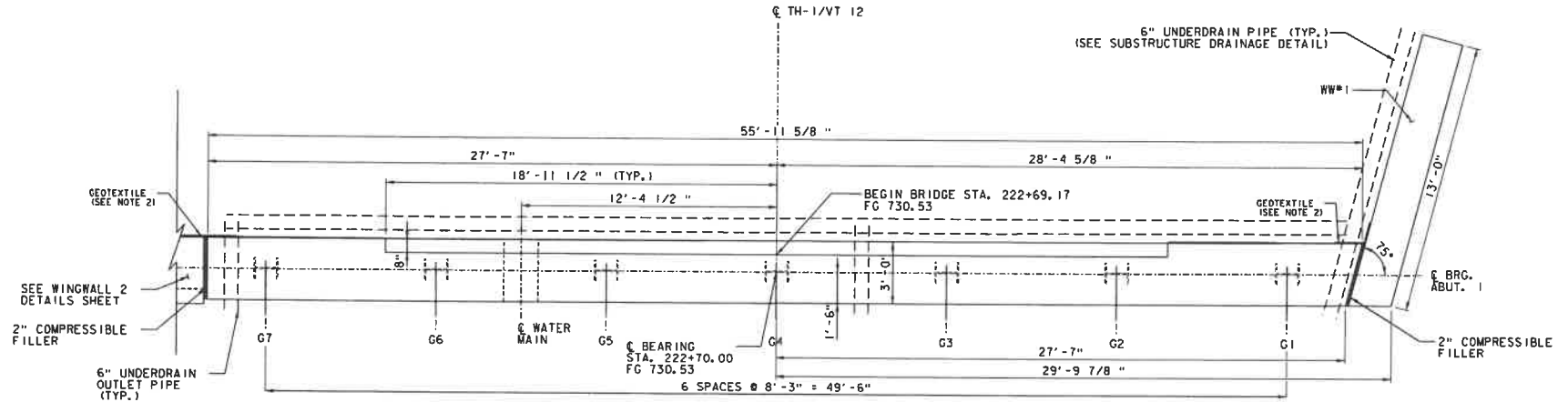
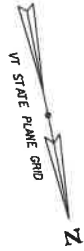
PROJECT LEADER: K. SMITH

PLOT DATE: 5/29/2025

PLOT DATE: 5/29/2023
 DRAWN BY: C. JAMISON

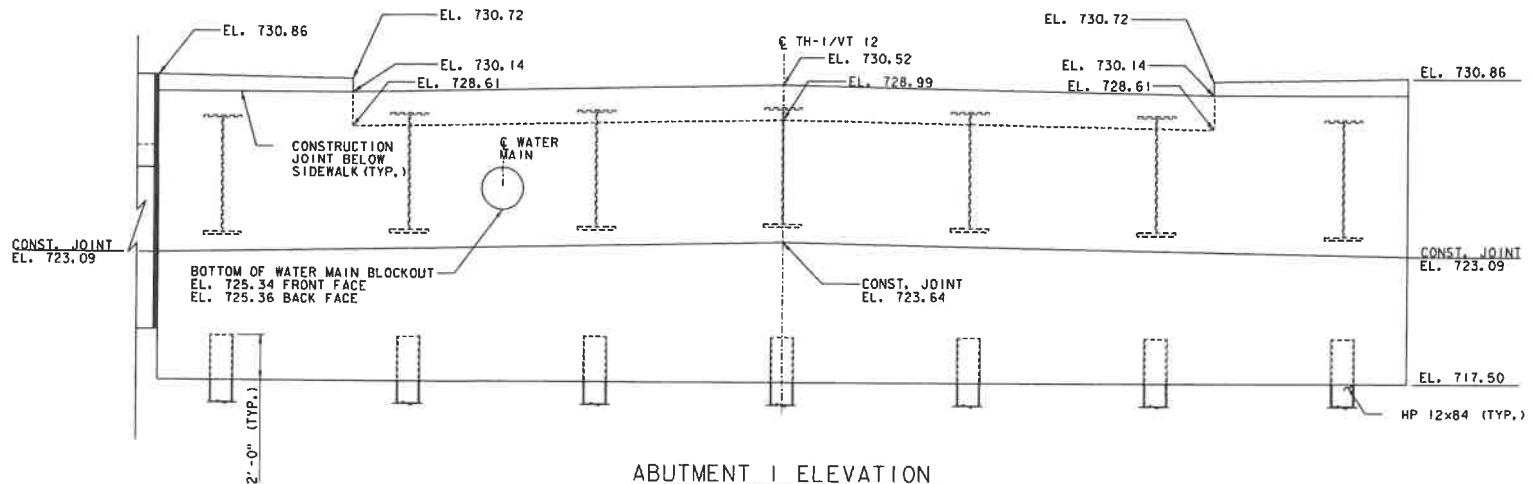
CHECKED BY: K. SMITH
SHEET 57 OF 102





ABUTMENT I PLAN

SCALE: $\frac{1}{8}'' = 1' - 0''$



ABUTMENT I ELEVATION

SCALE: $\frac{1}{8}'' = 1' - 0''$

NOTES:

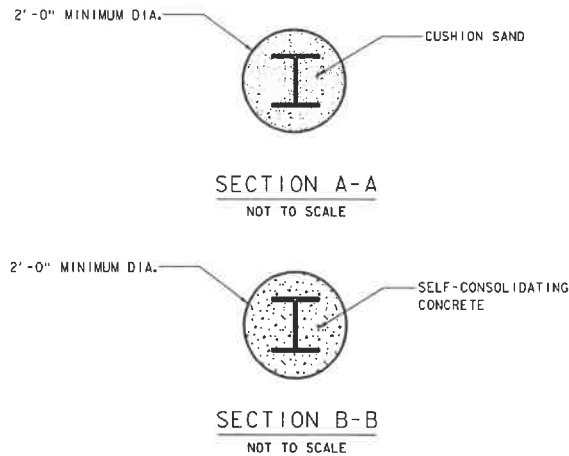
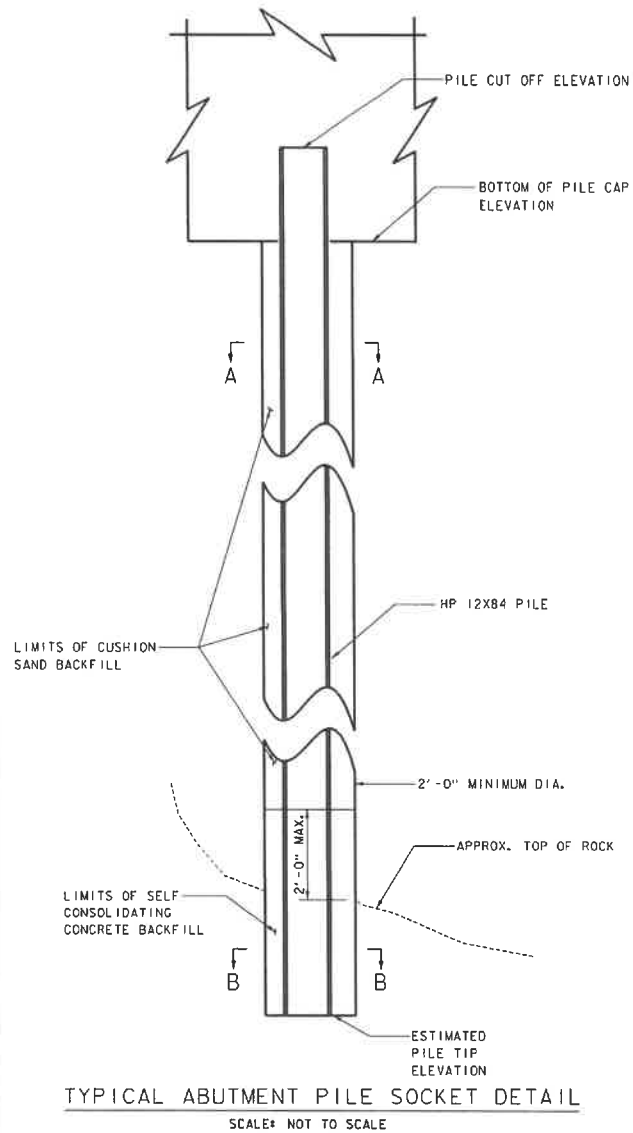
1. ALL ELEVATIONS ARE TAKEN AT THE FRONT FACE OF THE ABUTMENT UNLESS INDICATED OTHERWISE.
2. PLACE 3' WIDE GEOTEXTILE FABRIC ON BACK FACE OF ABUTMENT, CENTERED AT 2" COMPRESSIBLE FILLER. PAYMENT FOR GEOTEXTILE TO BE SUBSIDIARY TO ITEM 501.3800, "PERFORMANCE-BASED CONCRETE, CLASS PCS".



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(K58)

FILE NAME: z19j223sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
ABUTMENT I PLAN SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 58 OF 102



NOTES:

1. FOR WINGWALL PILE INFORMATION REFER TO WINGWALL PILE DETAIL SHEET.
2. SELF-CONSOLIDATING CONCRETE (SCC) SHALL BE PLACED UNTIL UNCONTAMINATED SCC SURPASSES THE LIMITS OF THE ROCK SOCKET, BUT DOES NOT EXTEND PAST THE LIMITS OF SCC SHOWN ON THE PLANS. THE REMAINDER OF THE DRILLED PILE SOCKET SHALL BE BACKFILLED WITH CUSHION SAND.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF ACTUAL TOP OF ROCK ELEVATIONS ARE OUTSIDE THE RANGES SHOWN IN THE ABUTMENT PILE SUMMARY TABLE.

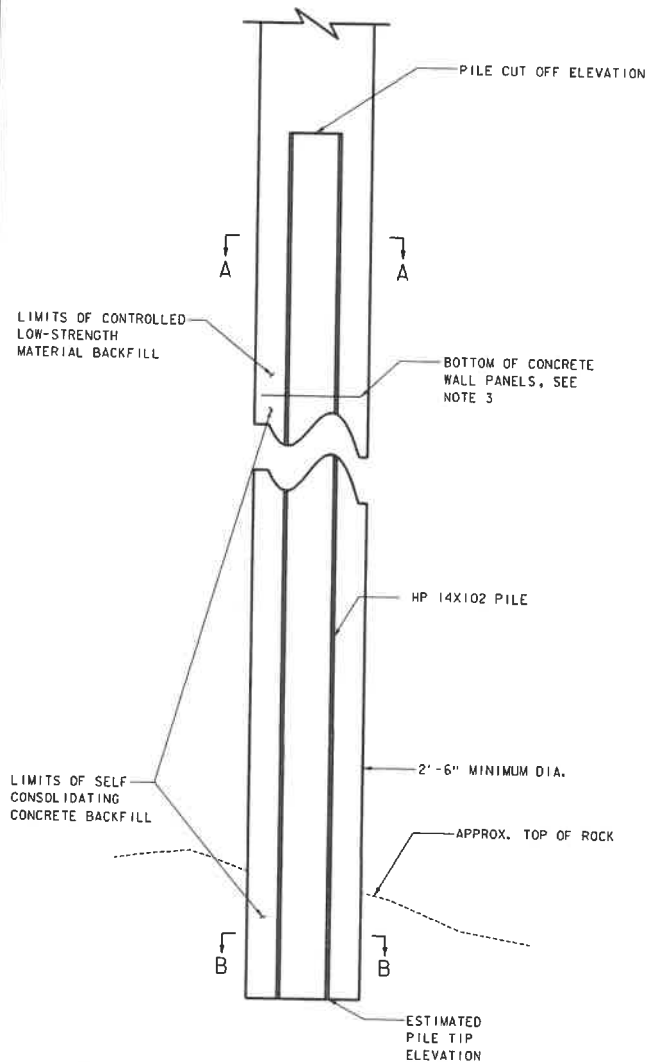
ABUTMENT PILE SUMMARY TABLE								
SUBSTRUCTURE UNIT	PILE SIZE	MIN. DRILL HOLE DIA. (FT)	ESTIMATED TOP OF ROCK ELEVATION (FT)		REQUIRED ROCK SOCKET LENGTH (FT)	ESTIMATED PILE TIP ELEVATION (FT)		PILE CUTOFF ELEVATION (FT)
			FROM	TO		FROM	TO	
ABUTMENT 1	HP 12x84	2	698.5	700.3	7	691.5	693.3	719.5
ABUTMENT 2	HP 12x84	2	701.6	706.0	7	694.6	699.0	718.5



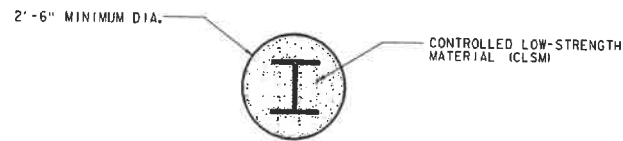
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223h_pile_grouting.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
ABUTMENT PILE DETAIL SHEET

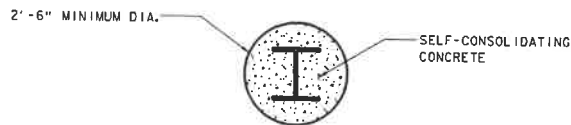
PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 59 OF 102



TYPICAL WINGWALL PILE SOCKET DETAIL
SCALE: NOT TO SCALE



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

NOTES:

1. FOR ABUTMENT PILE INFORMATION REFER TO ABUTMENT PILE DETAIL SHEET.
2. SELF-CONSOLIDATING CONCRETE SHALL BE PLACED TO THE BOTTOM OF THE CONCRETE WALL PANELS. THE REMAINDER OF THE DRILLED PILE SOCKET SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM).
3. CONCRETE WALL PANELS NOT SHOWN FOR CLARITY.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ROCK IS NOT ENCOUNTERED 5'-0" BELOW THE ESTIMATED TOP OF ROCK ELEVATION SHOWN IN THE WINGWALL PILE SUMMARY TABLE. DRILLING OPERATIONS SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IF ROCK IS NOT ENCOUNTERED UPON REACHING THE MAXIMUM PILE TIP ELEVATION IN SOIL SHOWN IN THE WINGWALL PILE SUMMARY TABLE.

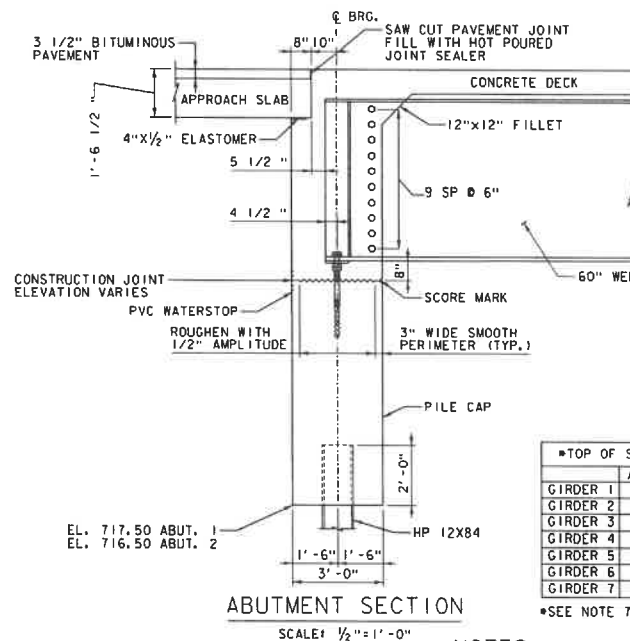
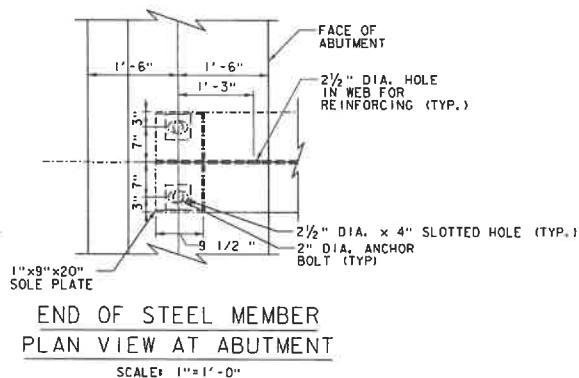
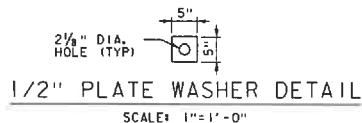
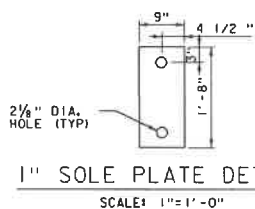
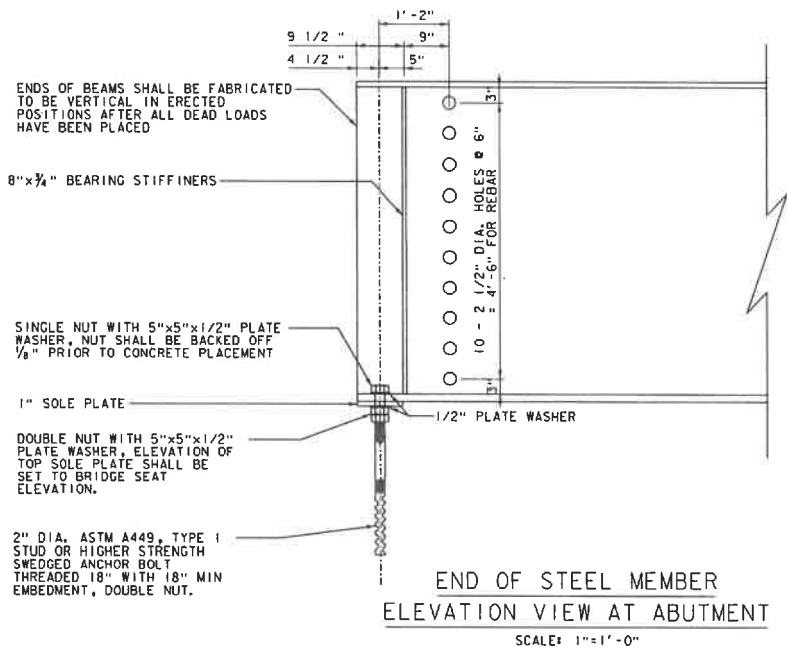
WINGWALL PILE SUMMARY TABLE						
SUBSTRUCTURE UNIT	PILE SIZE	MIN. DRILL HOLE DIA. (FT)	ESTIMATED TOP OF ROCK ELEVATION (FT)	REQUIRED ROCK SOCKET LENGTH (FT)	ESTIMATED PILE TIP ELEVATION IN ROCK (FT)	MAXIMUM PILE TIP ELEVATION IN SOIL (FT)
WINGWALL 2	HP 14X102	2.5	700.3	7	693.3	690.0
WINGWALL 3	HP 14X102	2.5	701.6	7	694.6	690.0



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223h.pile.grouting.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
WINGWALL PILE DETAIL SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 60 OF 102



*TOP OF SOLE PLATE ELEVATIONS		
	ABUTMENT 1	ABUTMENT 2
GIRDER 1	723.83	723.07
GIRDER 2	723.99	723.24
GIRDER 3	724.16	723.40
GIRDER 4	724.32	723.57
GIRDER 5	724.16	723.40
GIRDER 6	723.99	723.24
GIRDER 7	723.83	723.07

*SEE NOTE 7.

NOTES:

- PAYMENT FOR THE SOLE PLATES, ANCHOR BOLTS, WASHERS AND NUTS SHALL BE INCIDENTAL TO ITEM 506.5500, STRUCTURAL STEEL, PLATE GIRDER.
- ANCHOR BOLTS SHALL BE 2" DIAMETER, TYPE 1 BOLTS MEETING ASTM F 1554, GR 55. NUTS SHALL MEET ASTM A563.
- ALL ANCHOR BOLTS SHALL BE SET BY TEMPLATE BEFORE CONCRETE IS PLACED. NO DRILLING WILL BE ALLOWED. ALL ASSOCIATED COSTS SHALL BE INCIDENTAL TO ITEM 501.3700, "PERFORMANCE-BASED CONCRETE, CLASS PCO".
- ALL STEEL IN BEARING DEVICE ASSEMBLY SHALL BE AASHTO M270/M270 GR 50.
- SUBSTITUTIONS FOR BEARING DEVICE ASSEMBLY COMPONENT MATERIALS AND SIZES SHALL BE DETAILED ON THE FABRICATION DRAWINGS. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO FABRICATION AS PER SECTION 506.04.
- THE CONTRACTOR SHALL GREASE THE TOP SURFACE OF THE SOLE PLATES PRIOR TO PLACEMENT OF THE GIRDERS. FOLLOWING GIRDER ERECTION ALL EXCESS GREASE SHALL BE WIPED FROM THE SOLE PLATES.
- THE CONTRACTOR SHALL VERIFY THAT ALL ANCHOR BOLTS ARE INSTALLED PLUMB AND REMAIN PLUMB FOLLOWING GIRDER ERECTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.

PROJECT NAME: NORTHFIELD

PROJECT NUMBER: BF 024(K58)

FILE NAME: z19j223sub.dgn

PROJECT LEADER: K. SMITH

DESIGNED BY: S. BROWN

ABUTMENT CONNECTION DETAIL

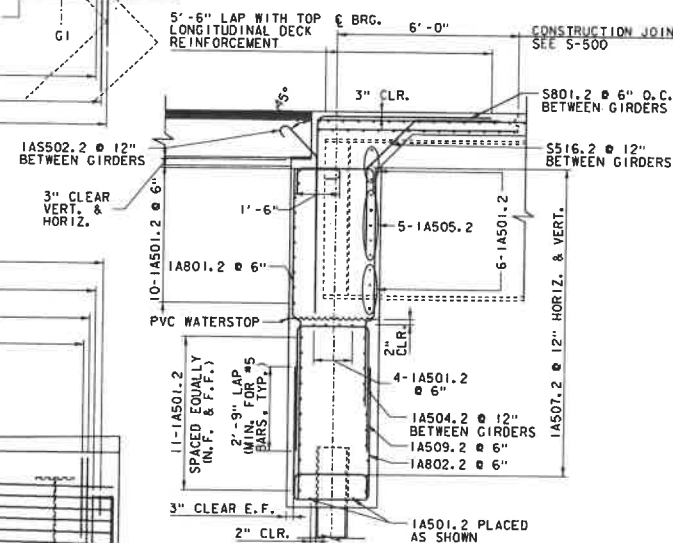
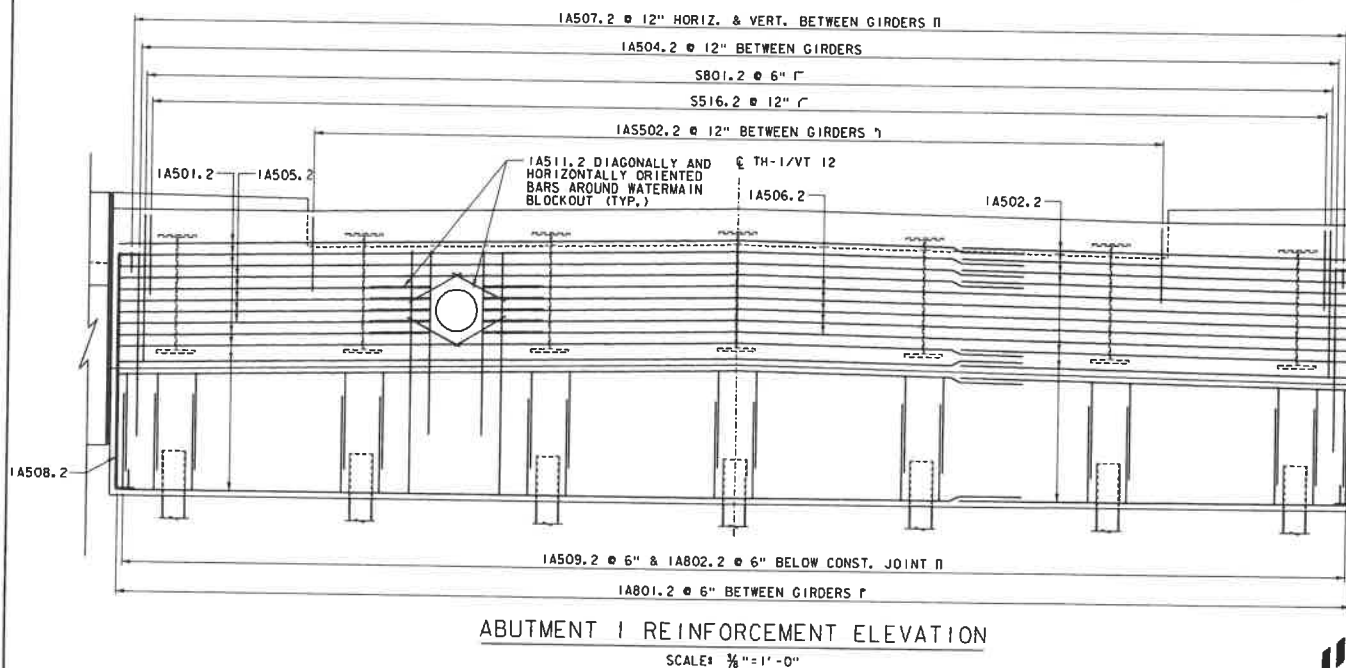
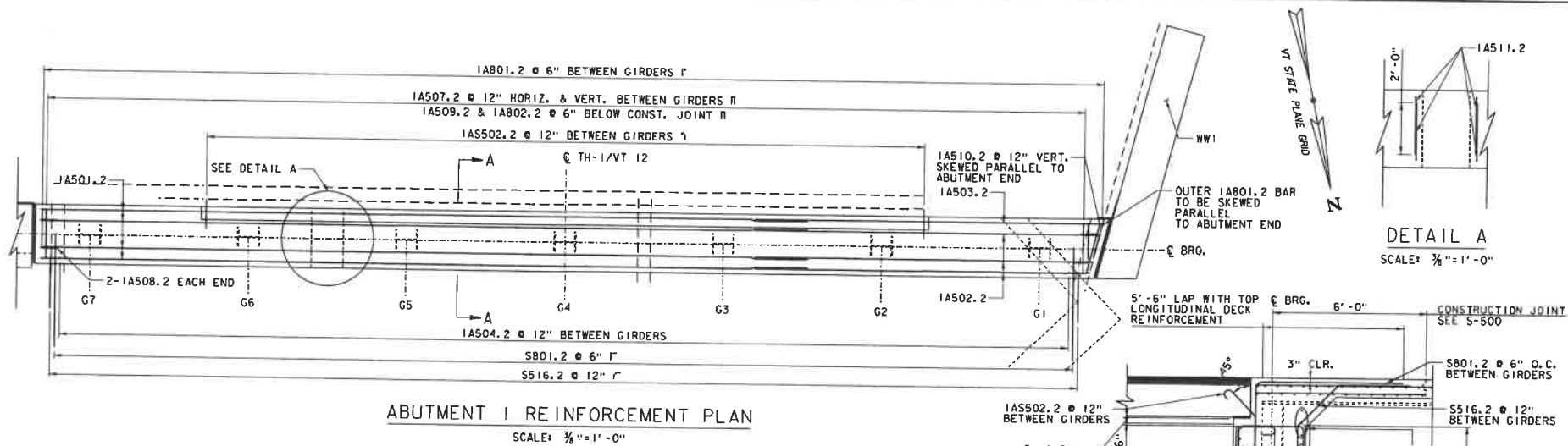
PLOT DATE: 5/29/2025

DRAWN BY: C. JAMISON

CHECKED BY: K. SMITH

SHEET 61 OF 102





NOTES:

NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE

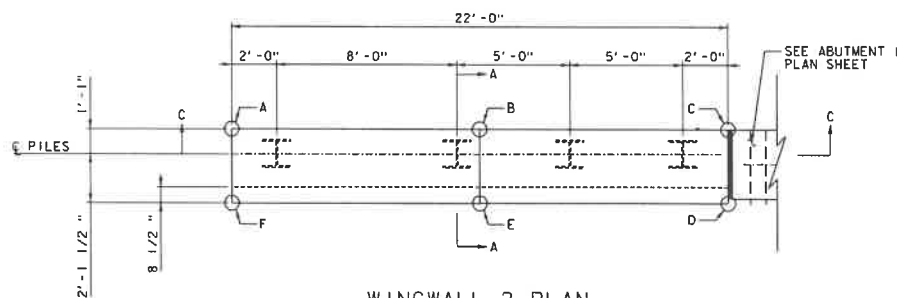
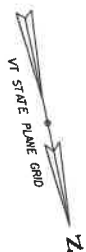
1. TYPICAL SECTION SHOWN FOR ABUTMENT 1, ABUTMENT 2 REINFORCING IS SIMILAR
2. SIDEWALK AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY, SEE DECK REINFORCING DRAWINGS

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

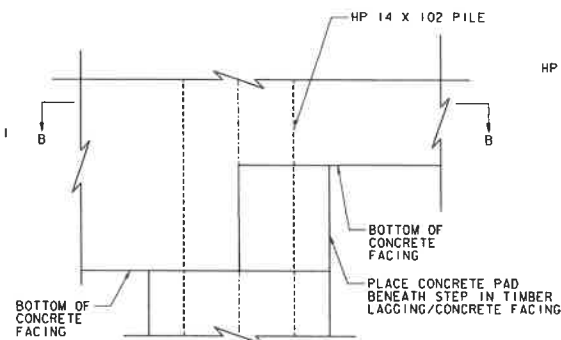
FILE NAME: z19j223sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
ABUTMENT 1 REINFORCEMENT

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 62 OF 102

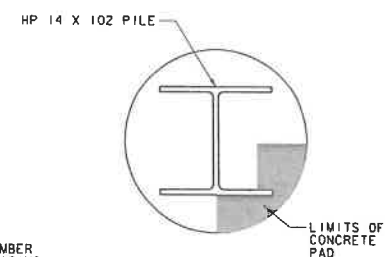




WINGWALL 2 PLAN
SCALE: 3/8" = 1'-0"

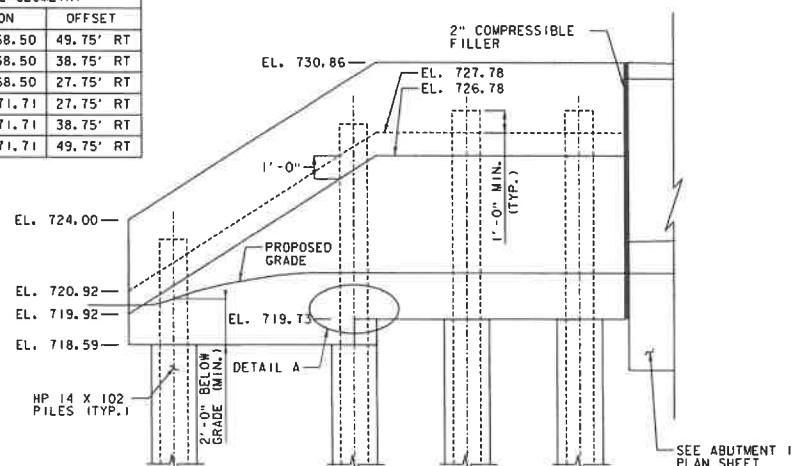


DETAIL A
SCALE: 1 1/2" = 1'-0"

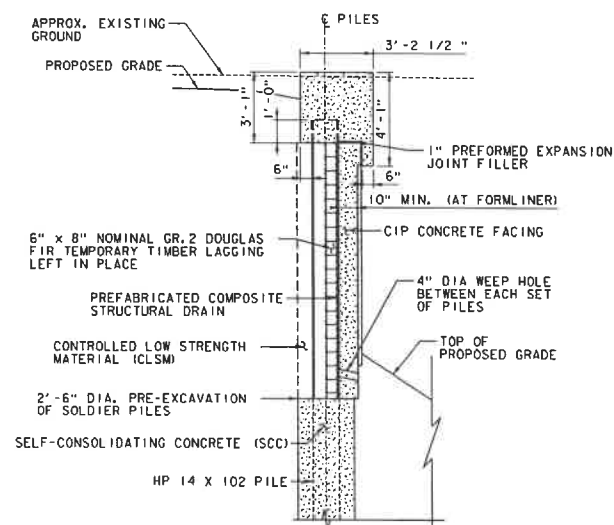


SECTION B-B
SCALE: 1 1/2" = 1'-0"

WINGWALL 2 GEOMETRY		
POINT	STATION	OFFSET
A	STA 222+68.50	49.75' RT
B	STA 222+68.50	38.75' RT
C	STA 222+68.50	27.75' RT
D	STA 222+71.71	27.75' RT
E	STA 222+71.71	38.75' RT
F	STA 222+71.71	49.75' RT



WINGWALL 2 ELEVATION
SCALE: 3/8" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"

NOTE

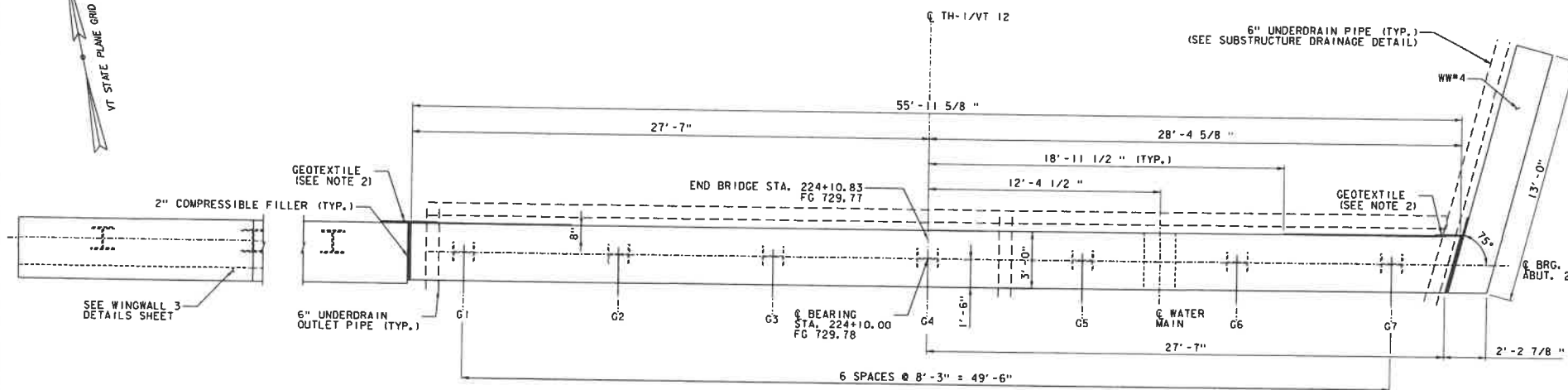
1. SEE "SOLDIER PILE WALL DETAILS 3" SHEET FOR SECTION C-C VIEW



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(K58)

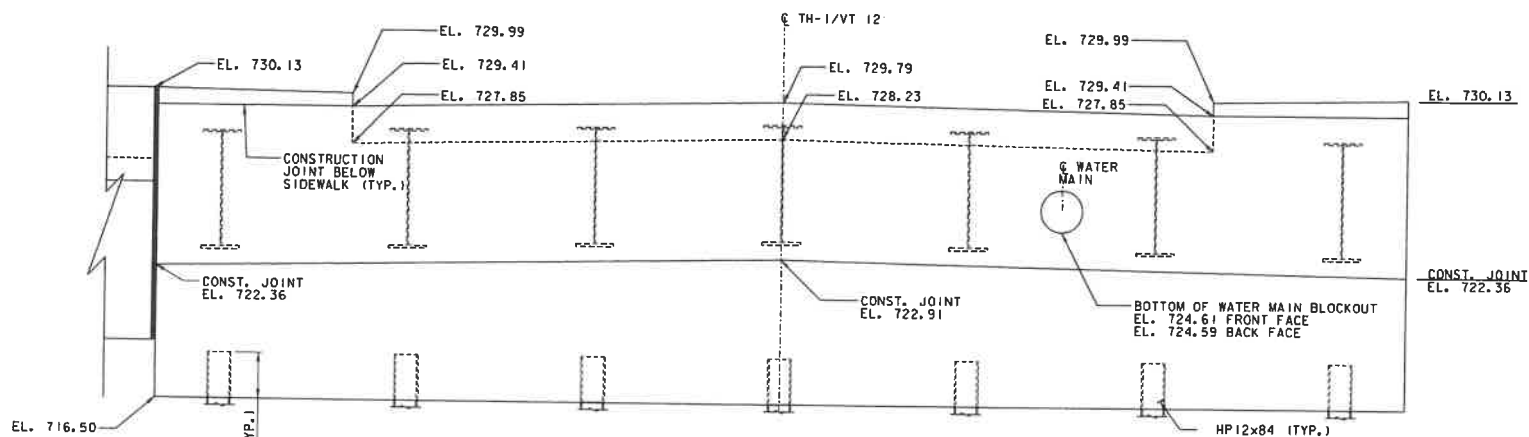
FILE NAME: z19j223sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
WINGWALL 2 DETAILS

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMSON
CHECKED BY: K. SMITH
SHEET 63 OF 102



ABUTMENT 2 PLAN

SCALE: 3/8" = 1' - 0"



ABUTMENT 2 ELEVATION

SCALE: 3/8" = 1' - 0"

NOTES:

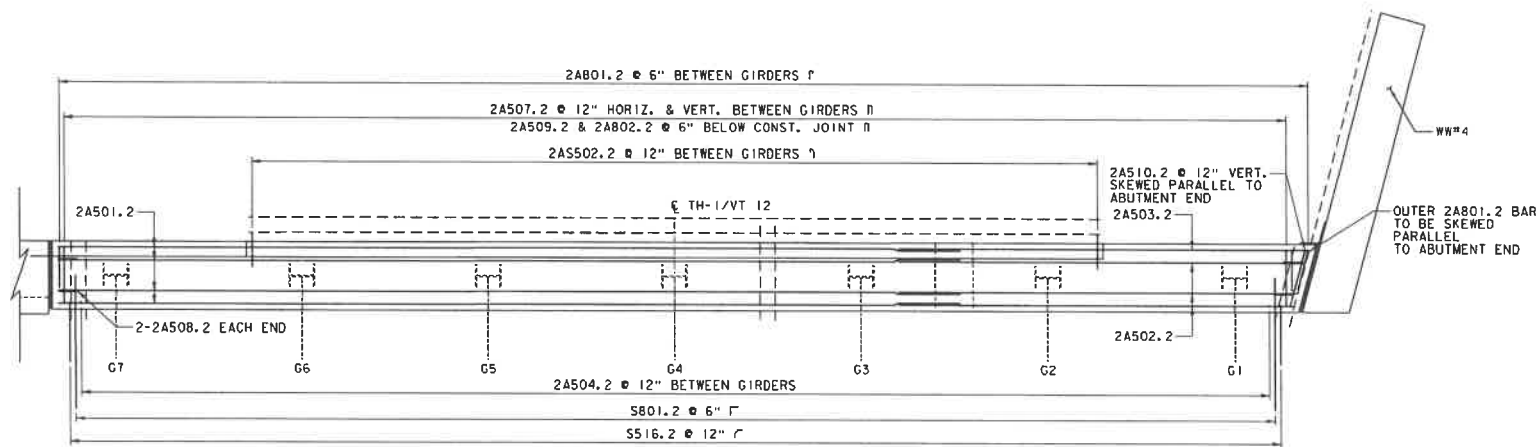
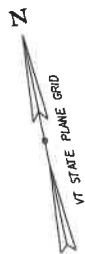
1. ALL ELEVATIONS ARE TAKEN AT THE FRONT FACE OF THE ABUTMENT UNLESS INDICATED OTHERWISE.
2. PLACE 3" WIDE GEOTEXTILE FABRIC ON BACK FACE OF ABUTMENT, CENTERED AT 2" COMPRESSIBLE FILLER. PAYMENT FOR GEOTEXTILE TO BE SUBSIDIARY TO ITEM 501.3000, "PERFORMANCE-BASED CONCRETE, CLASS PCS-".



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

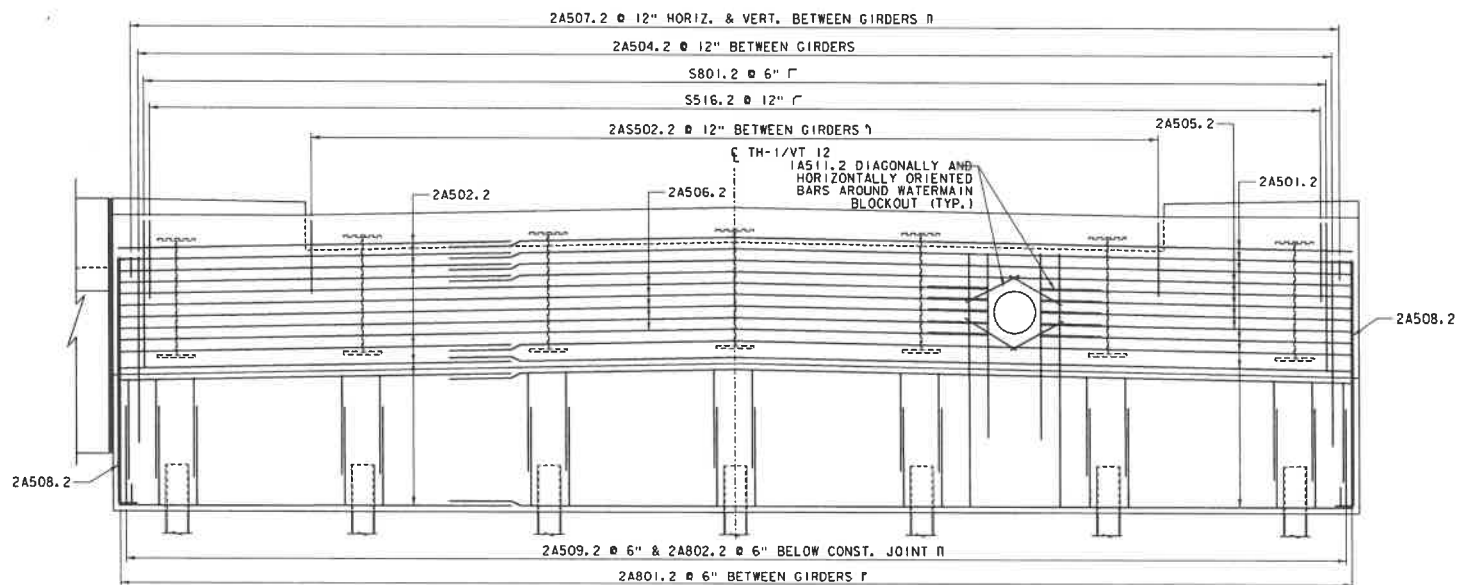
FILE NAME: z191223sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
ABUTMENT 2 PLAN SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 64 OF 102



ABUTMENT 2 REINFORCEMENT PLAN

SCALE: 3/8" = 1'-0"



ABUTMENT 2 REINFORCEMENT ELEVATION

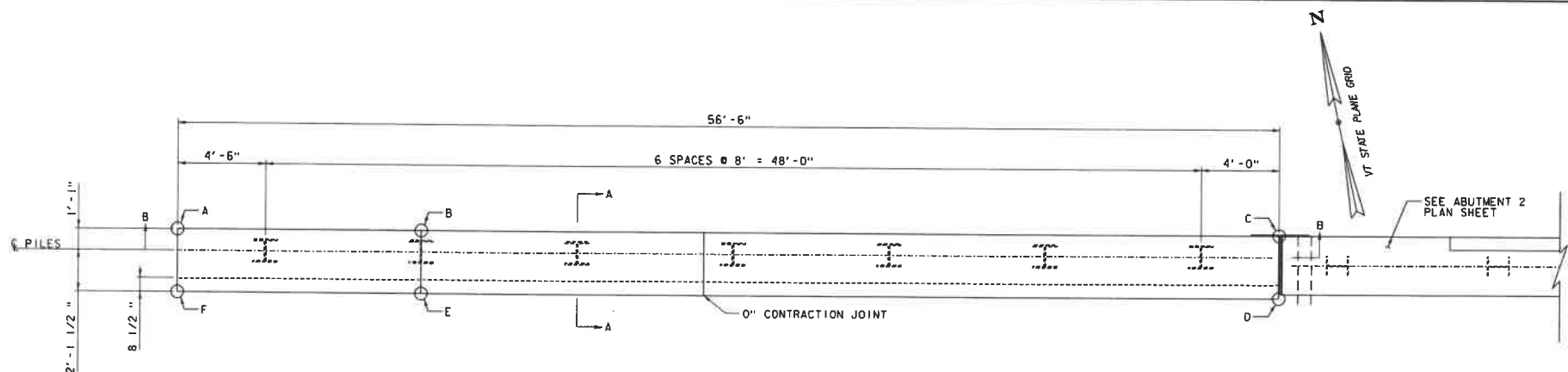
SCALE: 3/8" = 1'-0"

NOTES:

1. SIDEWALK AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY, SEE DECK REINFORCING DRAWINGS



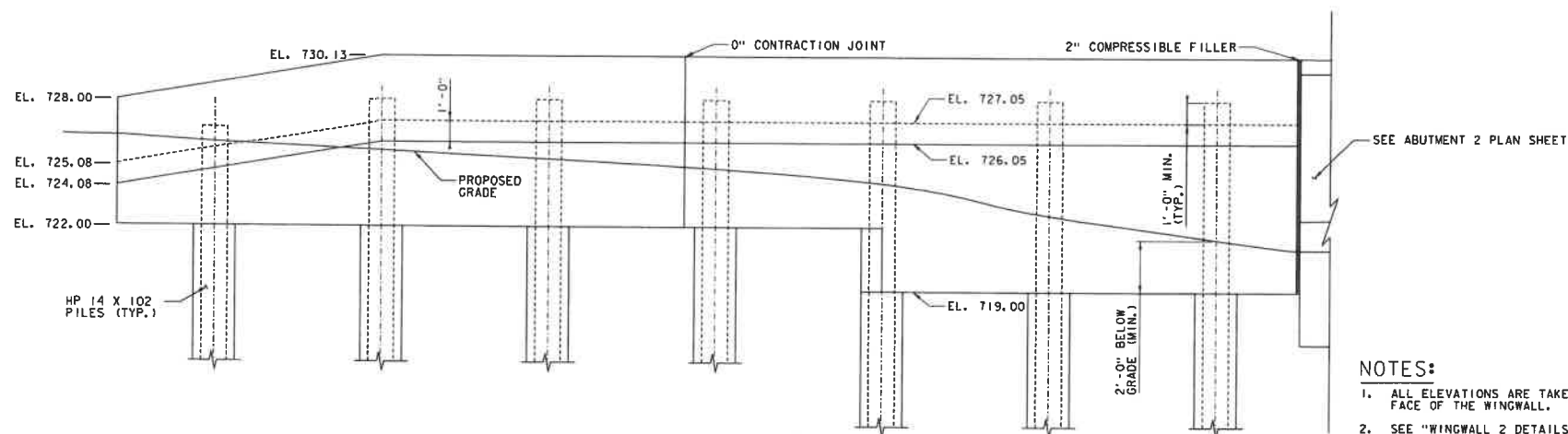
PROJECT NAME:	NORTHFIELD	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 0241(58)	DRAWN BY:	C. JAMISON
FILE NAME:	z191223sub.dgn	CHECKED BY:	K. SMITH
PROJECT LEADER:	K. SMITH	SHEET	65 OF 102
DESIGNED BY:	S. BROWN		
ABUTMENT 2 REINFORCEMENT			



WINGWALL 3 GEOMETRY			
POINT	STATION	OFFSET	ELEV
A	STA 224+11.50	84.25' LT	728.00
B	STA 224+11.50	71.58' LT	730.13
C	STA 224+11.50	27.75' LT	730.13
D	STA 224+08.29	27.75' LT	730.13
E	STA 224+08.29	71.58' LT	730.13
F	STA 224+08.29	84.25' LT	728.00

WINGWALL 3 PLAN

SCALE: 3/8" = 1' - 0"



WINGWALL 3 ELEVATION

SCALE: 3/8" = 1' - 0"

NOTES:

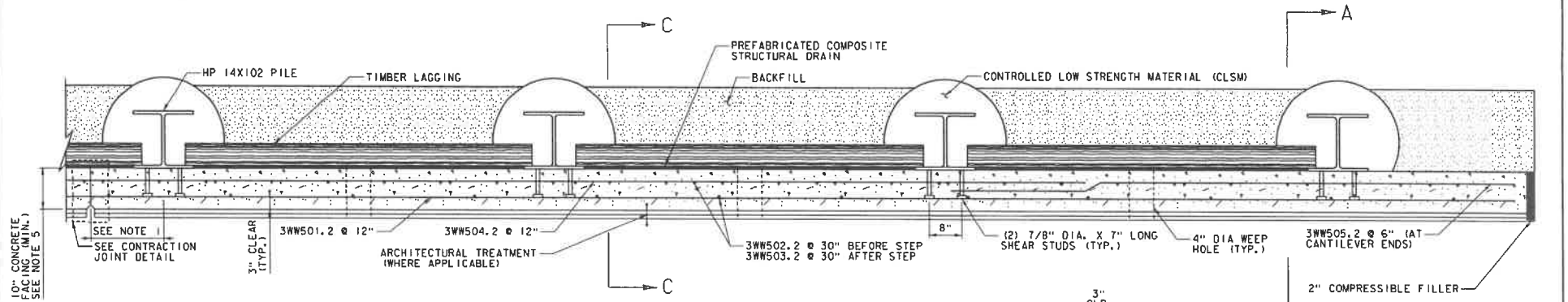
1. ALL ELEVATIONS ARE TAKEN AT THE FRONT FACE OF THE WINGWALL.
2. SEE "WINGWALL 2 DETAILS SHEET" FOR SECTION A-A VIEW
3. SEE "SOLDIER PILE DETAILS 1" SHEET FOR SECTION B-B VIEW

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

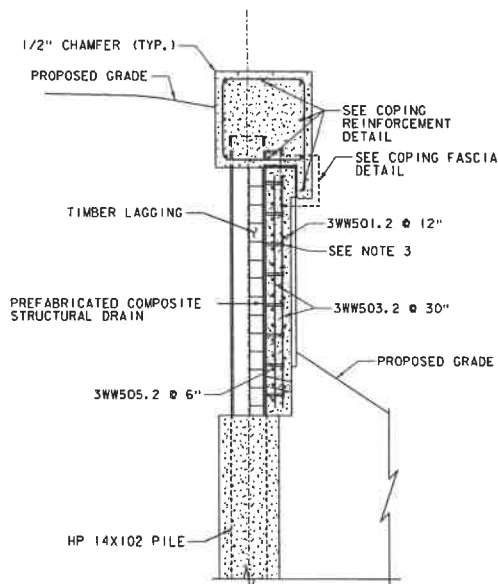
FILE NAME: z19j223a.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: S. BROWN
WINGWALL 3 DETAILS

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 66 OF 102

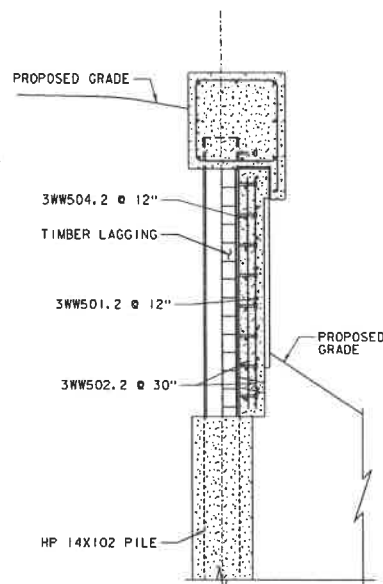




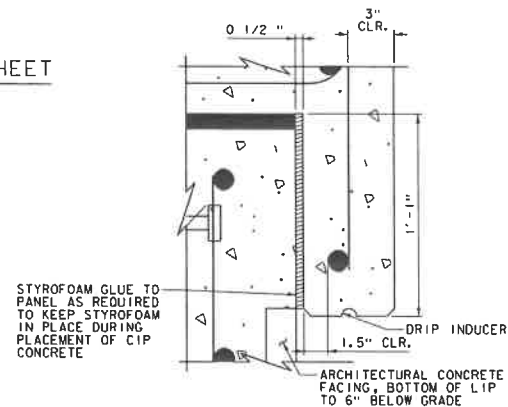
SECTION B-B
WINGWALL 3 DETAILS SHEET
SCALE: 1"=1'-0"



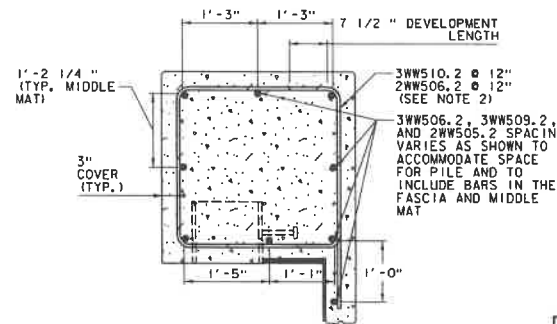
SECTION A-A
SCALE: 1/2"=1'-0"



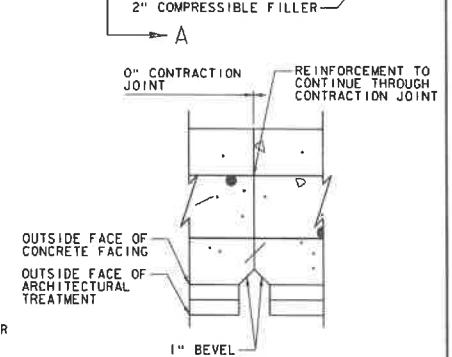
SECTION C-C
SCALE: 1/2"=1'-0"



COPING FASCIA DETAIL
SCALE: 3"=1'-0"



COPING REINFORCEMENT DETAIL
SCALE: 1"=1'-0"



CONTRACTION JOINT DETAIL
SCALE: 3"=1'-0"

SOLDIER PILE NOTES:

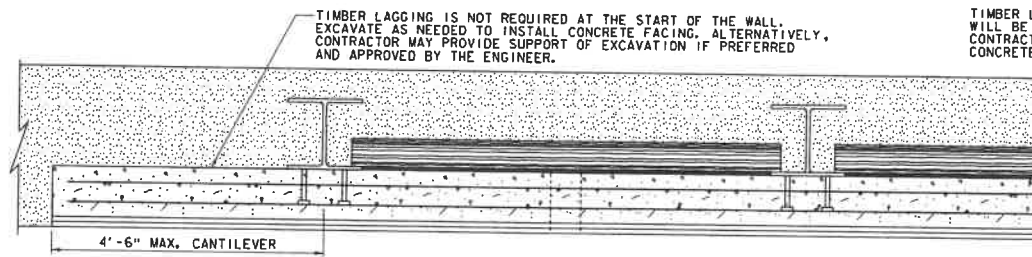
1. THE 0" CONTRACTION JOINT ON WINGWALL 3 SHALL BE LOCATED 1'-6" AWAY FROM THE FOURTH PILE WEST OF THE ABUTMENT. NO CONTRACTION JOINT IS NEEDED IN WINGWALL 2.
2. COPING STIRRUPS SHALL BE SPACED AT 12" MAX. SPACING MAY BE MODIFIED AS NEEDED SURROUNDING PILES.
3. SHEAR STUDS SHALL BE SPACED AT A 12" PITCH WITHIN THE LIMITS OF THE WINGWALL. PLACE STUDS BETWEEN 6" FROM THE TOP OF THE PILE AND 6" FROM THE BOTTOM OF WINGWALL.
4. FACING TO BE 10" AT PILE OR AT PREFORMED COMPOSITE STRUCTURAL DRAINS, WHICHEVER CONTROLS, AND GREATER THAN 10" OTHERWISE AS NEEDED.
5. COVER SHALL BE MEASURED FROM THE IMPRINT OF AESTHETIC TREATMENT, SUCH THAT THE FACING WILL BE GREATER THAN 10" IN THICKNESS PRIOR TO APPLYING AESTHETIC TREATMENT.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024I(58)

FILE NAME: z:\9223\sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: D. WELLS

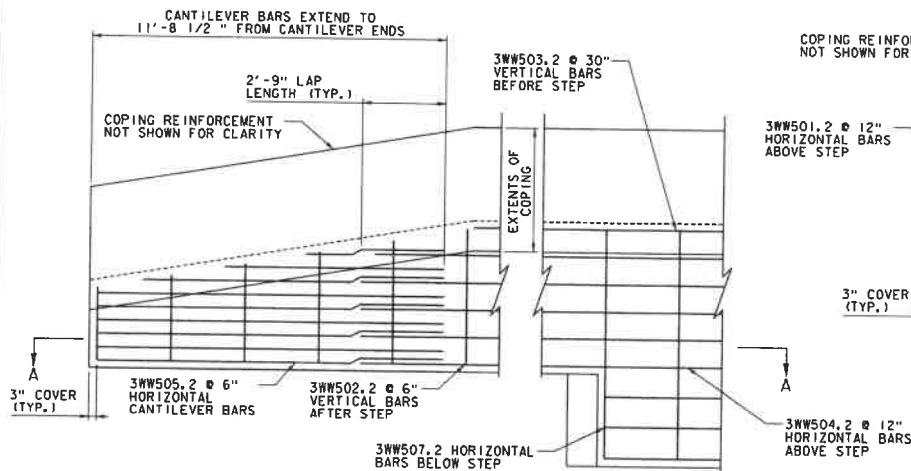
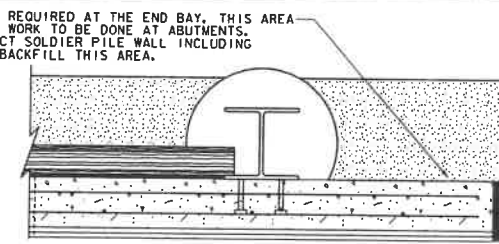
PLOT DATE: 5/29/2025
DRAWN BY: D. WELLS
CHECKED BY: K. SMITH
SHEET 67 OF 102





TYPICAL SOLDIER PILE WALL
CANTILEVER END SECTIONS

SCALE: 1"=1'-0"

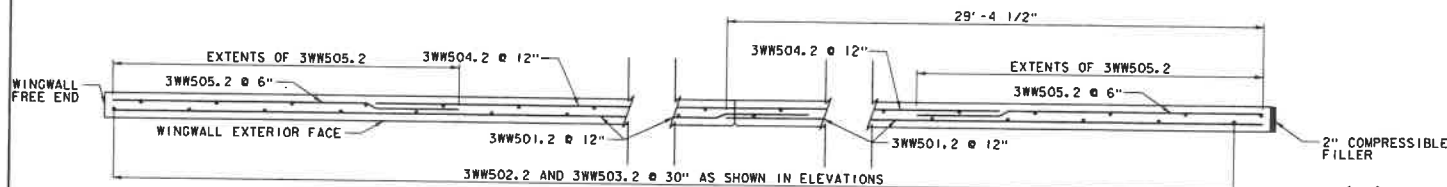


WW3 FACING WALL INTERIOR
MAT REINFORCEMENT ELEVATION

SCALE: 1/2"=1'-0"

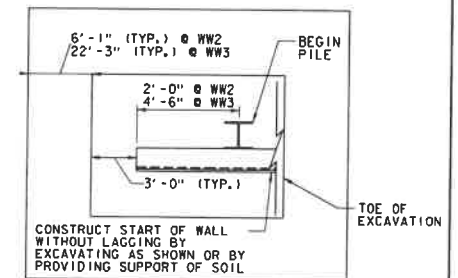
WW3 FACING WALL EXTERIOR
MAT REINFORCEMENT ELEVATION

SCALE: 1/2"=1'-0"



SECTION A-A

SCALE: 1/2"=1'-0"



LIMITS OF
EXCAVATION AT BEGIN WALL

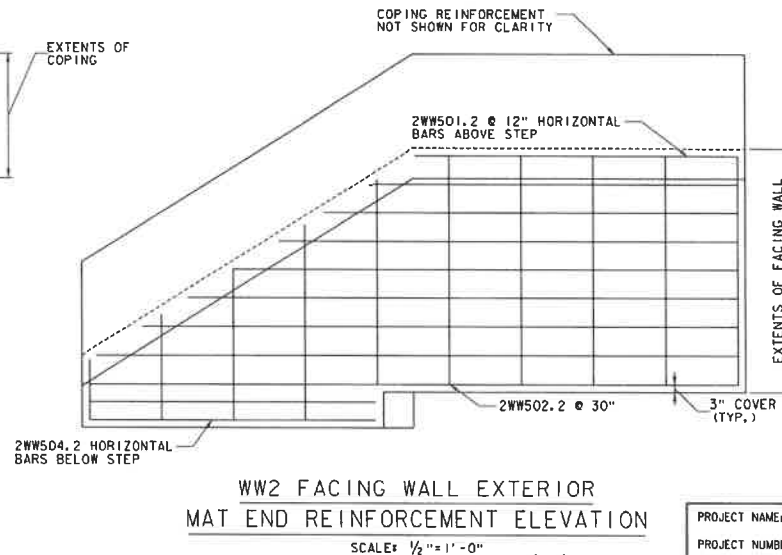
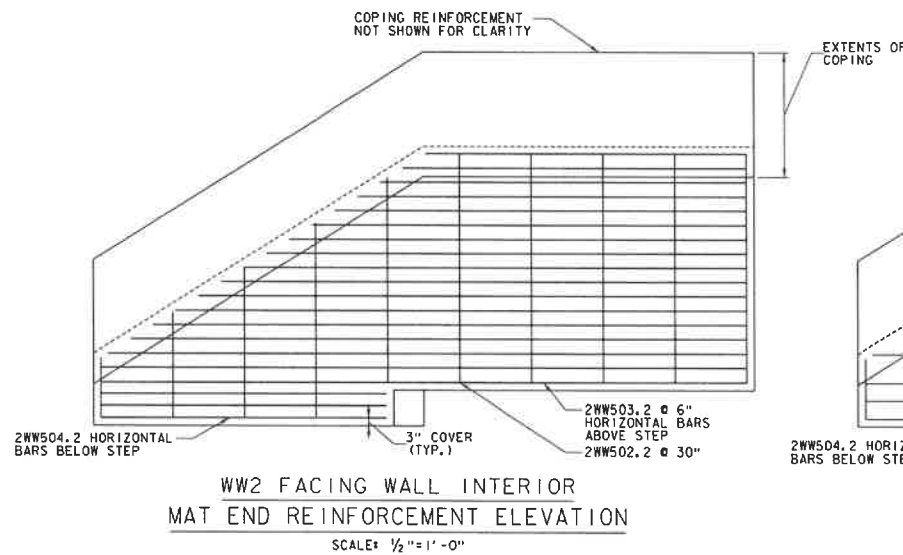
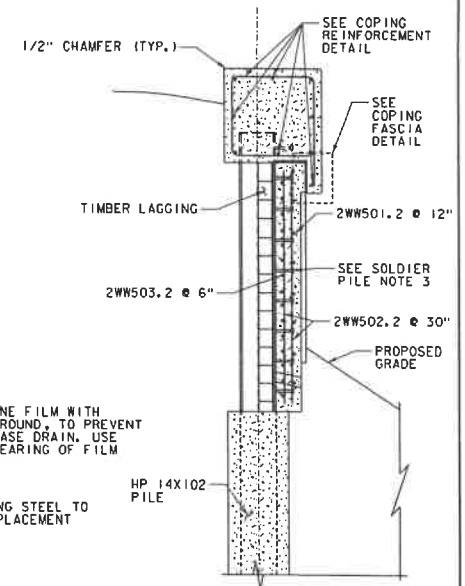
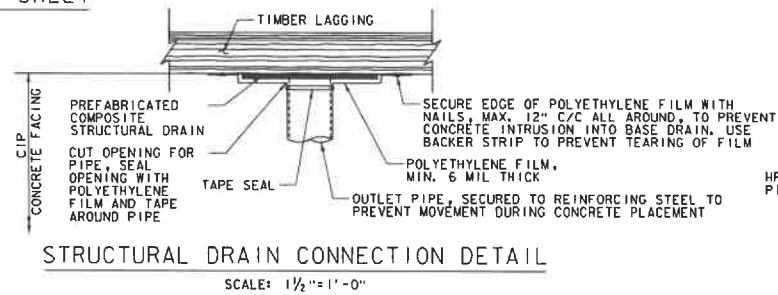
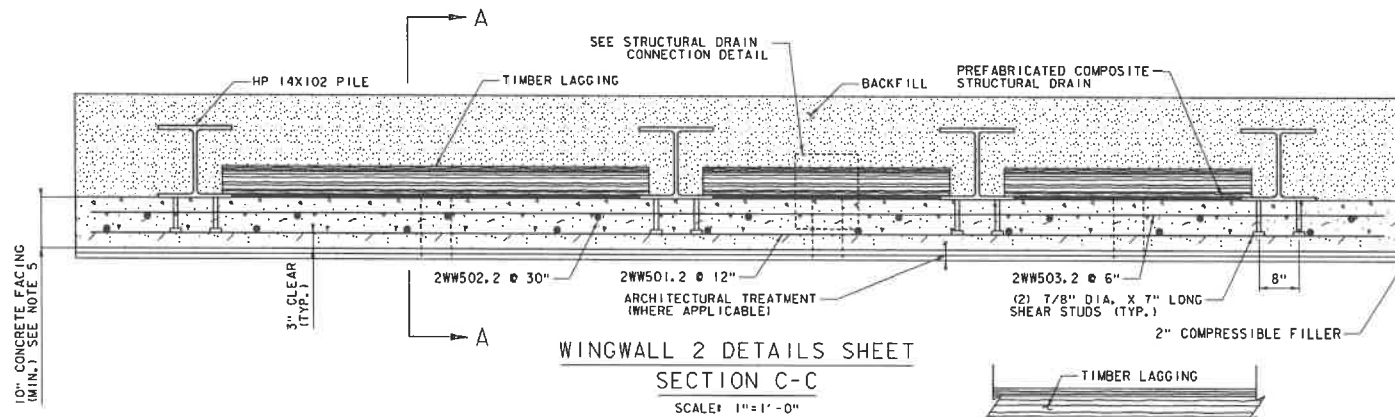
N. T. S.



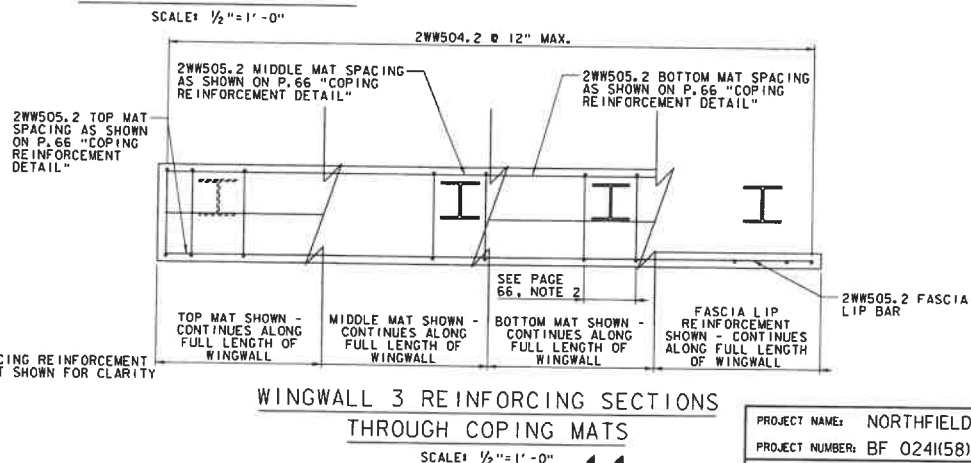
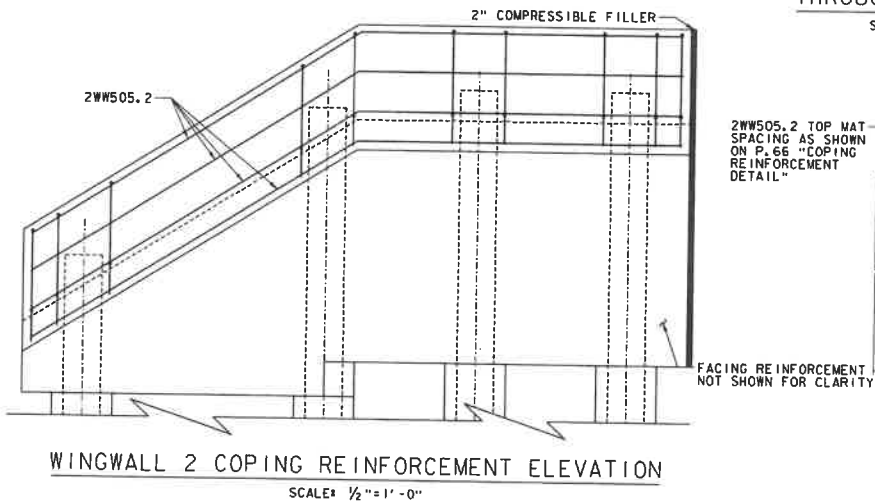
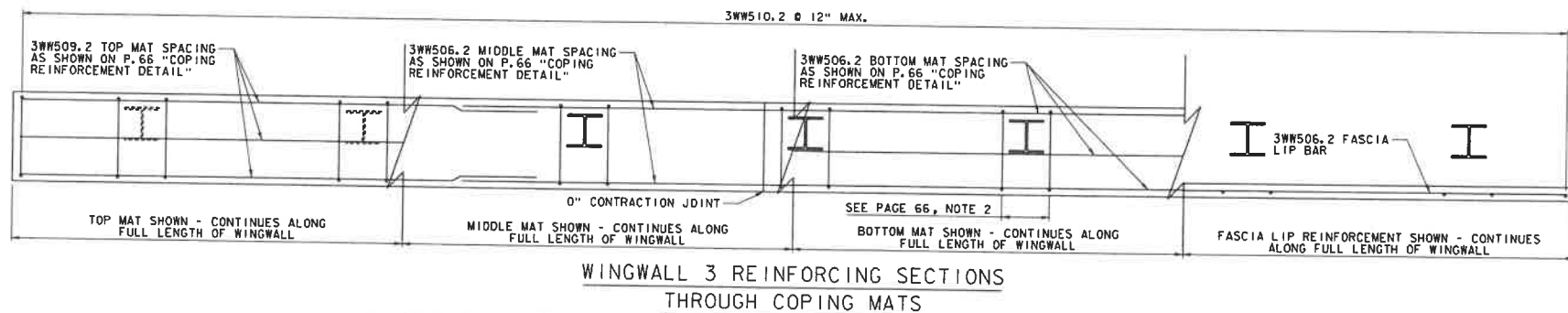
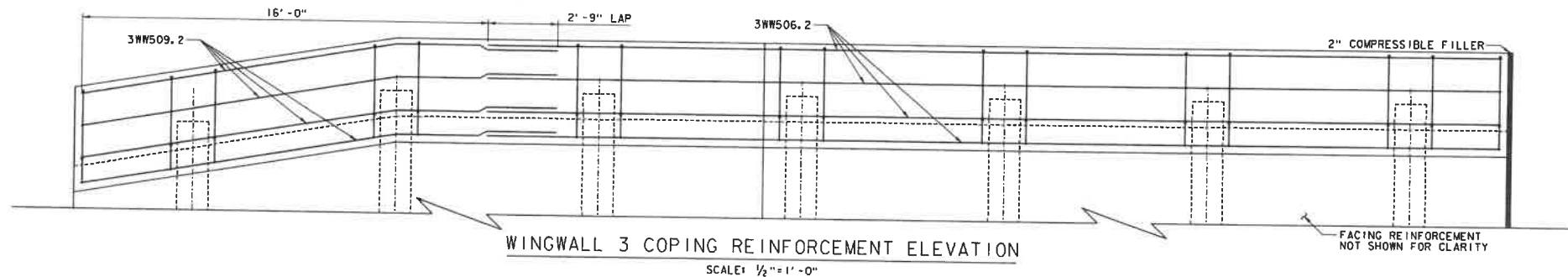
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223aub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: D. WELLS
SOLDIER PILE WALL DETAILS 2

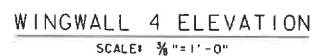
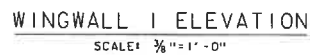
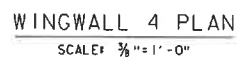
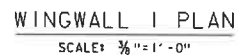
PLOT DATE: 5/29/2025
DRAWN BY: D. WELLS
CHECKED BY: K. SMITH
SHEET 68 OF 102



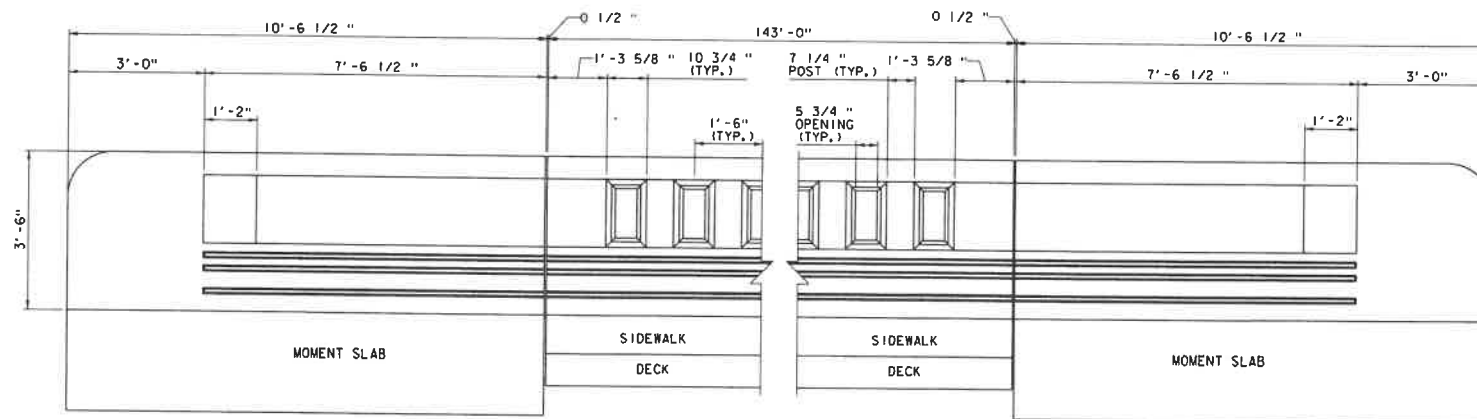
PROJECT NAME:	NORTHFIELD	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 0241(58)	DRAWN BY:	D. WELLS
FILE NAME:	z191223sub.dgn	CHECKED BY:	K. SMITH
PROJECT LEADER:	K. SMITH	SOLDIER PILE WALL DETAILS 3	SHEET 69 OF 102



PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 024(K58)
FILE NAME:	z:\9\223sub.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	D. WELLS
SOLDIER PILE WALL DETAILS 4	
PLAT DATE:	5/29/2025
DRAWN BY:	D. WELLS
CHECKED BY:	K. SMITH
SHEET	70 OF 102

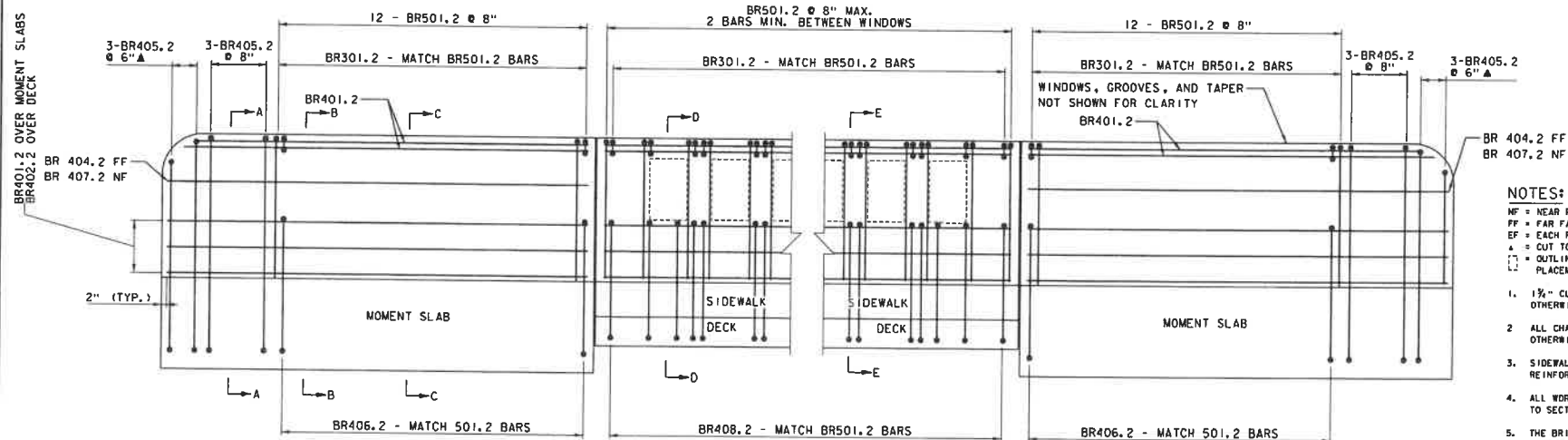


1. FOUNDATION DESIGN VALUES GIVEN IN THESE NOTES ARE PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION
2. THE FOLLOWING SOIL PROPERTIES SHALL BE USED IN THE DESIGN OF THE WINGWALLS:
 - A. FOUNDATION BEARING DESIGN VALUES:
FACTORED BEARING RESISTANCE ($\Phi=0.45$)=8KSF
 - B. FOUNDATION SOIL PARAMETERS
UNIT WEIGHT:125PCF
FRICTION ANGLE:34DEG
 - C. BACKFILL SOIL PARAMETERS
UNIT WEIGHT:120PCF
FRICTION ANGLE:30DEG
3. THE INTERFACE BETWEEN THE WINGWALL AND THE ABUTMENT CAP SHALL BE DESIGNED TO ALLOW 0.5 INCHES OF MOVEMENT. A JOINT DETAIL SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. JOINT SHALL PROVIDE A FLEXIBLE WATER TIGHT SEAL IN ORDER TO PREVENT MIGRATION OF BACKFILL MATERIAL THROUGH THE JOINT. ALL COMPONENTS WILL BE INCLUDED IN THE UNIT PRICE FOR ITEM 225.0500, "RETAINING WALL, CONCRETE." DIMENSIONS AND STATION SHOWN INCLUDE AN ASSUMED JOINT THICKNESS OF 2". IF A DIFFERENT THICKNESS IS USED THE GEOMETRY WILL NEED TO BE MODIFIED BY THE CONTRACTOR.
4. DIMENSION ARE BASED ON A WINGWALL THICKNESS AND EFFECTIVE FOOTING WIDTH AS SHOWN ON THE PLANS. IF A DIFFERENT THICKNESS IS USED, GEOMETRY WILL NEED TO BE MODIFIED BY THE CONTRACTOR.



BRIDGE RAILING ELEVATION

SCALE $\frac{3}{4}$ " = 1'-0"
(DIMENSIONS GIVEN AT TRAFFIC SIDE OF RAILING)



BRIDGE RAILING REINFORCEMENT

SCALE $\frac{3}{4}$ " = 1'-0"

NOTES:

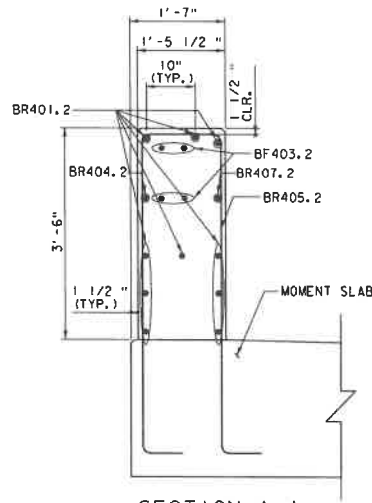
- NF = NEAR FACE
- FF = FAR FACE
- EF = EACH FACE
- A = CUT TO FIT IN FIELD
- [] = OUTLINE OF WINDOW FOR REBAR PLACEMENT CONTEXT
- 1. 1 1/2" CLEAR AND 2'-2" BAR LAP UNLESS OTHERWISE SPECIFIED.
- 2. ALL CHAMFERS ARE 1/4" X 1/4" UNLESS OTHERWISE SPECIFIED.
- 3. SIDEWALK, DECK, AND MOMENT SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.
- 4. ALL WORK AND MATERIALS SHALL CONFORM TO SECTION 525.
- 5. THE BRIDGE RAILING SHALL BE CONSTRUCTED NORMAL TO GRADE AND THE BACK OF THE RAILING SHALL BE VERTICAL.
- 6. THIS RAILING MEETS THE REQUIREMENTS OF NCHRP REPORT 350 TL-4 CRITERIA.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

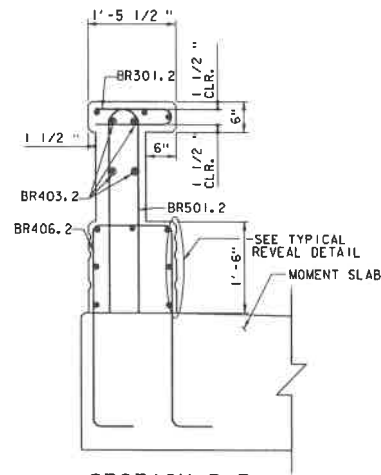
FILE NAME: z191223-rd1.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB
BRIDGE RAILING DETAILS SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 72 OF 102

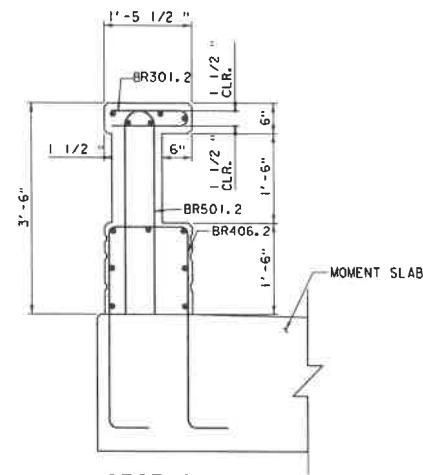




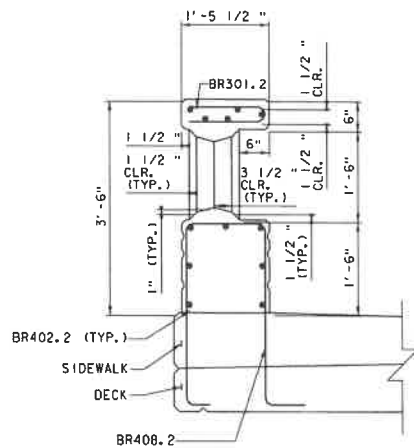
SECTION A-A
SCALE: 1" = 1' - 0"



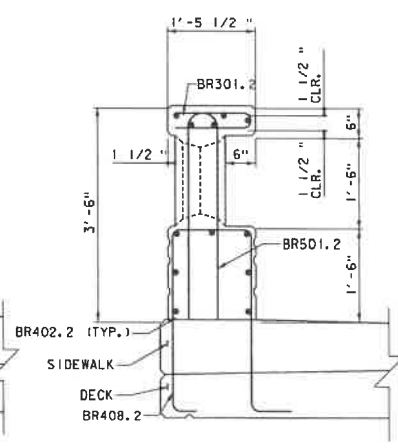
SECTION B-B
SCALE: 1" = 1' - 0"



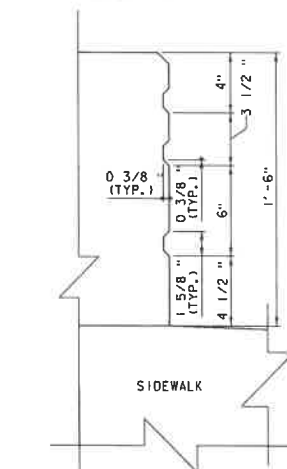
SECTION C-C
SCALE: 1" = 1' - 0"



SECTION D-D
SCALE: 1" = 1' - 0"



SECTION E-E
SCALE: 1" = 1' - 0"



TYPICAL REVEAL DETAIL
SCALE: 3" = 1' - 0"

NOTES:

NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
Δ = CUT TO FIT IN FIELD

1. 1 1/2" CLEAR AND 2' - 2" BAR LAP UNLESS OTHERWISE SPECIFIED.
2. ALL CHAMFERS ARE 3/4" x 3/4".
3. SIDEWALK, DECK, AND MOMENT SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.
4. SEE DRAWING "BRIDGE RAILING DETAILS SHEET 1" FOR LOCATION OF SECTIONS.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024H(58)

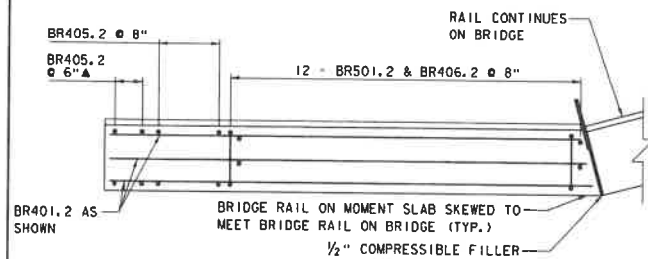
FILE NAME: z19j223r-01.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH

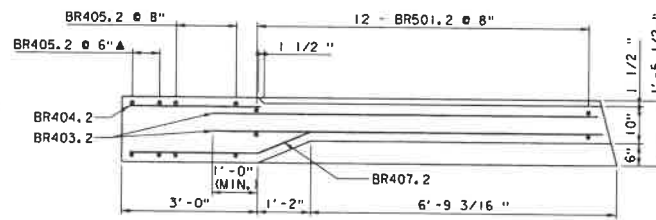
BRIDGE RAILING DETAILS SHEET 2

SHEET 73 OF 102

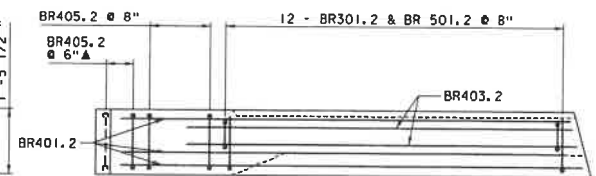




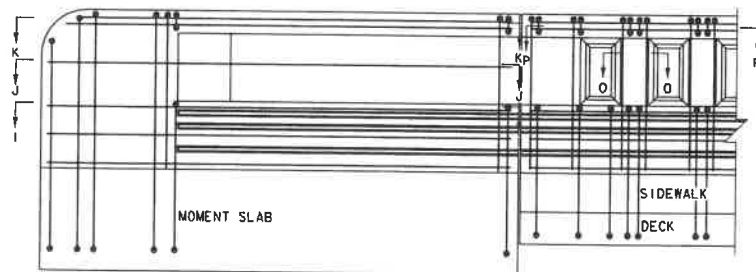
SECTION I-I
SCALE 3/4" = 1'-0"



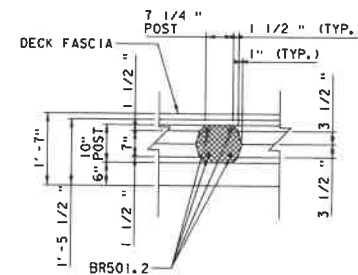
SECTION J-J
SCALE 3/4" = 1'-0"



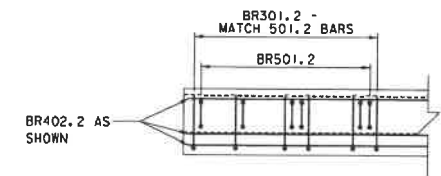
SECTION K-K
SCALE 3/4" = 1'-0"



END OF BRIDGE RAILING
ELEVATION ON MOMENT SLAB
SCALE 3/4" = 1'-0"



SECTION O-O
SCALE 3/4" = 1'-0"

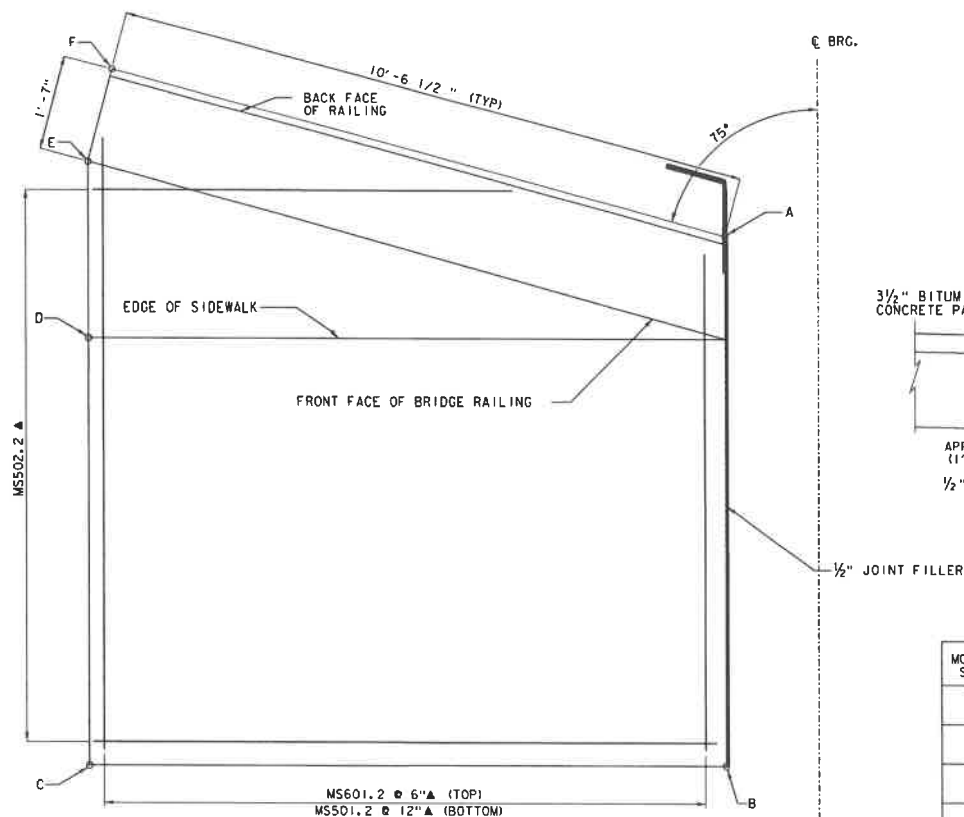
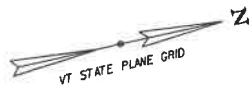


SECTION P-P
SCALE 3/4" = 1'-0"

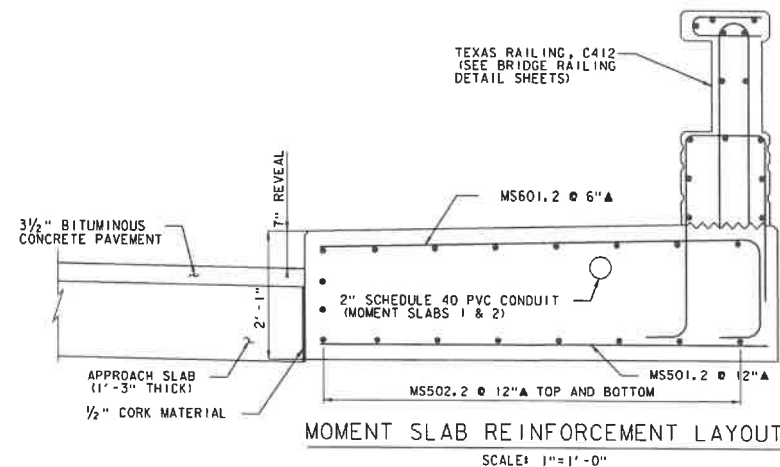


PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z9j223r-01.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB
BRIDGE RAILING DETAILS SHEET 3
PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 74 OF 102



MOMENT SLAB PLAN
SCALE: 1"=1'-0"



MOMENT SLAB	MOMENT SLAB WORKING POINTS					
	A	B	C	D	E	F
1	OFFSET: 27.64 ELEV: 730.46 STA: 222+58.46	OFFSET: 19.00 ELEV: 730.32 STA: 222+58.46	OFFSET: 19.00 ELEV: 730.39 STA: 222+57.87	OFFSET: 26.00 ELEV: 730.53 STA: 222+57.87	OFFSET: 28.84 ELEV: 730.53 STA: 222+57.87	OFFSET: 30.37 ELEV: 730.53 STA: 222+58.28
2	OFFSET: 27.64 ELEV: 730.46 STA: 222+58.46	OFFSET: 19.00 ELEV: 730.32 STA: 222+58.46	OFFSET: 19.00 ELEV: 730.39 STA: 222+57.87	OFFSET: 26.00 ELEV: 730.53 STA: 222+57.87	OFFSET: 28.84 ELEV: 730.53 STA: 222+57.87	OFFSET: 30.37 ELEV: 730.53 STA: 222+58.28
3	OFFSET: 27.64 ELEV: 729.69 STA: 224+11.54	OFFSET: 19.00 ELEV: 729.55 STA: 224+11.54	OFFSET: 19.00 ELEV: 729.47 STA: 224+22.13	OFFSET: 26.00 ELEV: 729.61 STA: 224+22.13	OFFSET: 28.84 ELEV: 729.61 STA: 224+22.13	OFFSET: 30.37 ELEV: 729.61 STA: 224+21.72
4	OFFSET: 27.64 ELEV: 729.69 STA: 224+11.54	OFFSET: 19.00 ELEV: 729.55 STA: 224+11.54	OFFSET: 19.00 ELEV: 729.47 STA: 224+22.13	OFFSET: 26.00 ELEV: 729.61 STA: 224+22.13	OFFSET: 28.84 ELEV: 729.61 STA: 224+22.13	OFFSET: 30.37 ELEV: 729.61 STA: 224+21.72

LEGEND:

▲ DENOTES CUT IN FIELD

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)



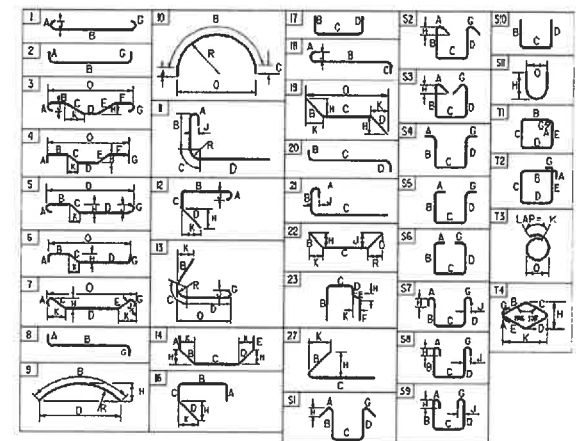
FILE NAME: z191223sub.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: N. BOB
MOMENT SLAB DETAILS SHEET

PLOT DATE: 5/29/2025
DRAWN BY: C. JAMISON
CHECKED BY: K. SMITH
SHEET 75 OF 102

REINFORCING STEEL SCHEDULE

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BAR FOR CONCRETE REINFORCEMENT", ASTM A 615 (ASTM A 615-3). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED MIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE'S "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "F" AND "K" MUST BE SHOWN
8. ▲ DENOTES BARS TO BE CUT IN FIELD
9. ✖ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.

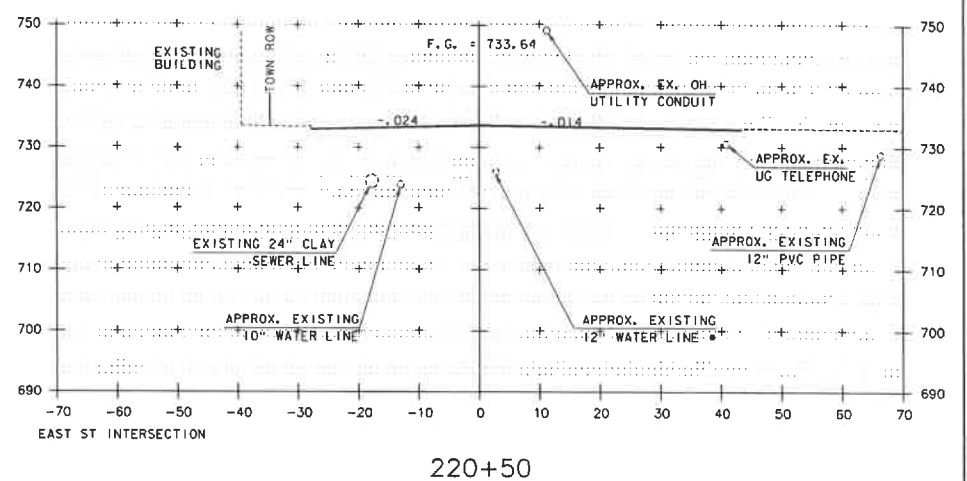
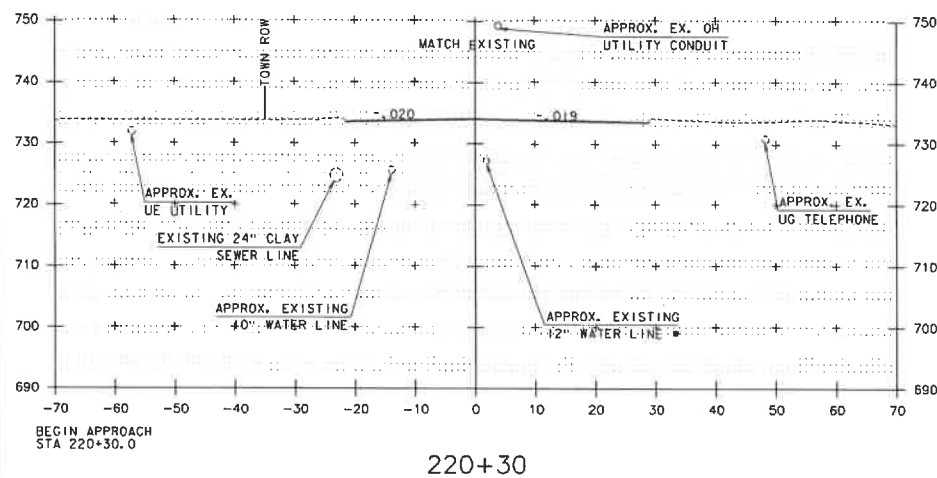


- REINFORCING STEEL CORROSION RESISTANCE LEVEL -

THE REINFORCING STEEL MARKS IN THIS SCHEDULE INDICATE THE REQUIRED BAR CORROSION RESISTANCE LEVEL. CORROSION RESISTANCE LEVEL IS DENOTED WITH A .2 FOR LEVEL TWO SUFFIX OR .3 FOR LEVEL THREE SUFFIX. .1 FOR LEVEL ONE IS TO BE OMITTED. THE BAR MATERIAL TYPE AND BAR STEEL GRADE PROVIDED FOR EACH CORROSION LEVEL WILL BE RECORDED ON THE PLAN SET P1 SHEET FOR AS-BUILT RECORD PLANCHES.

PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)

FILE NAME: z19J223rebar.dgn	PLOT DATE: 5/29/2025
PROJECT LEADER: K. SMITH	DRAWN BY: C. JAMISON
DESIGNED BY:	CHECKED BY: K. SMITH
REINFORCING STEEL SCHEDULE	SHEET 76 OF 102

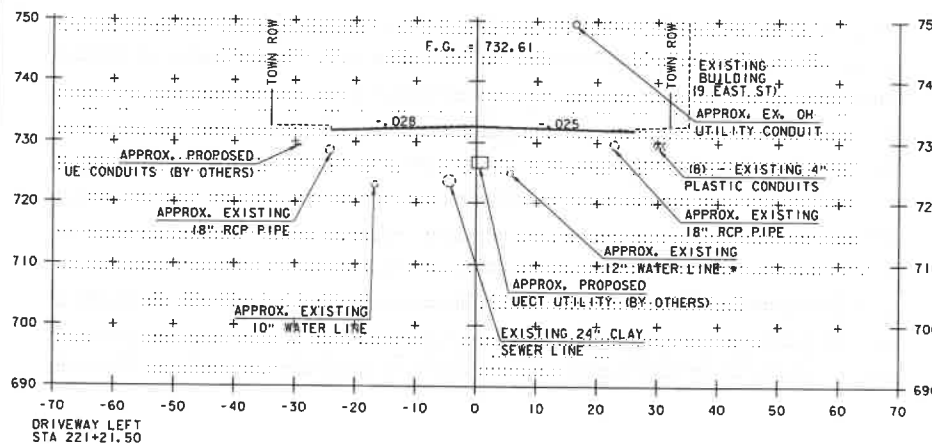


NOTE:

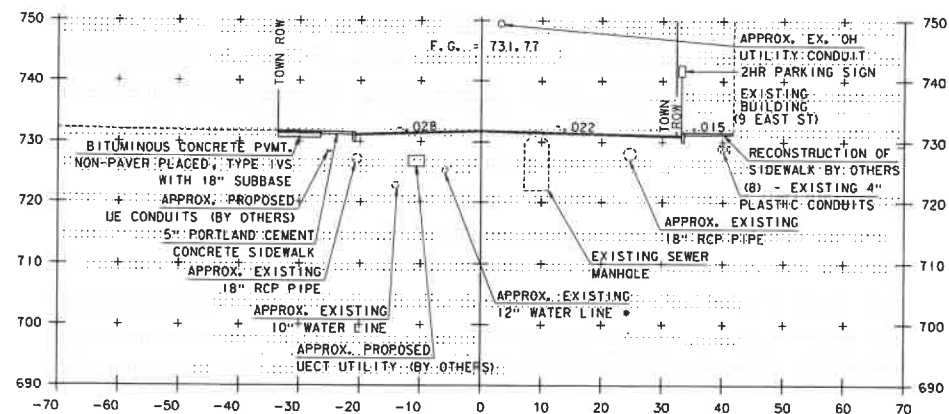
1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



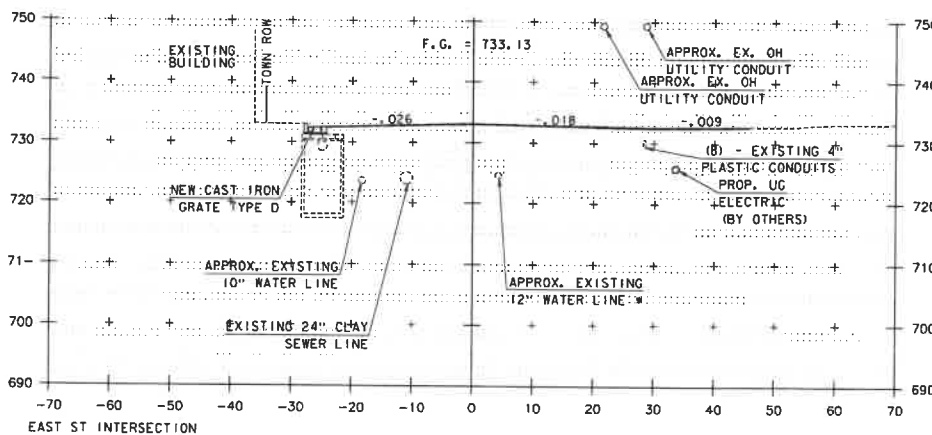
PROJECT NAME: NORTHFIELD		STA 220+30 TO STA 220+50	
PROJECT NUMBER: BF 024(58)			
FILE NAME: z19j223x6.dgn	DESIGNED BY: K. HO	PLOT DATE: 5/29/2025	DRAWN BY: T. MARQUETTE
PROJECT LEADER: K. SMITH	CHECKED BY: C. JENNE	SHEET 77 OF 102	
ROADWAY CROSS SECTIONS SHEET 1			



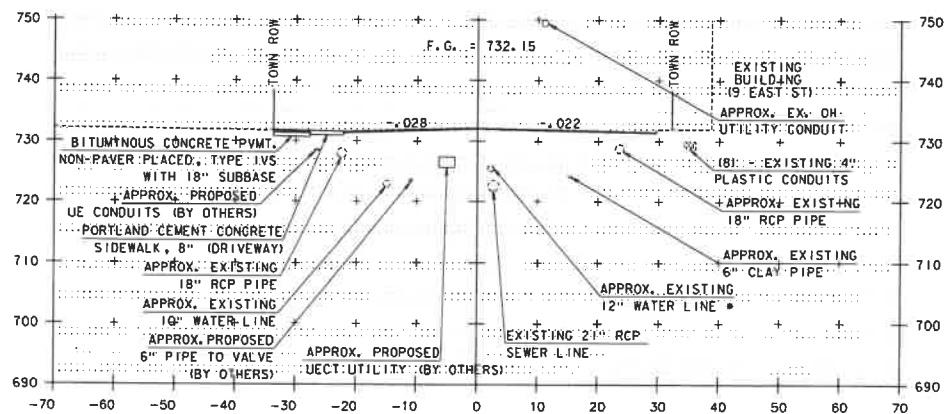
221+00



221+50



220+75



221+25

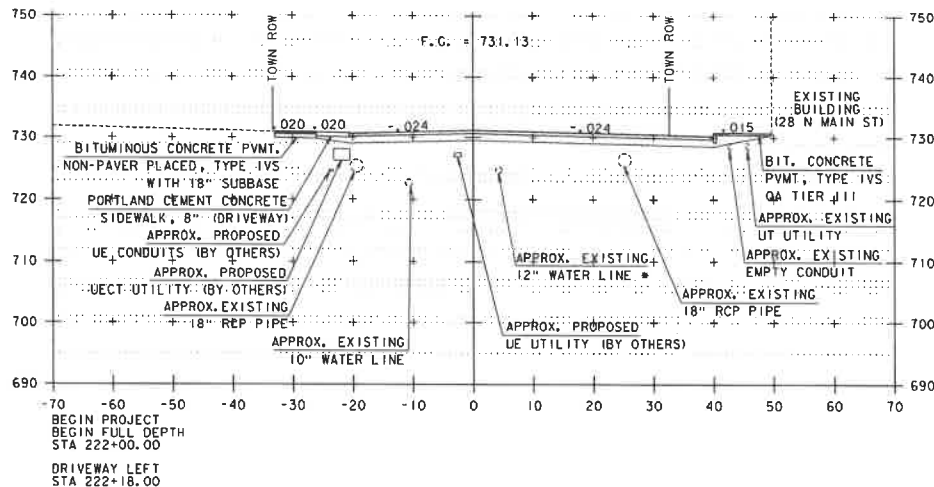
STA 220+75 TO STA 221+50

NOTE:

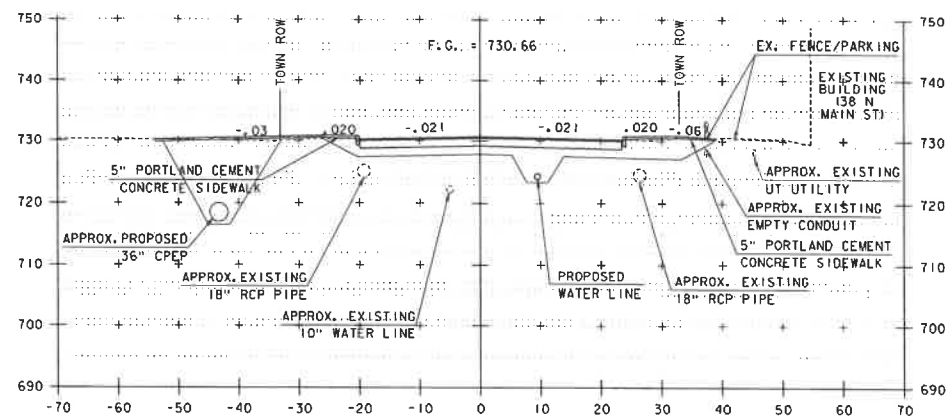
1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



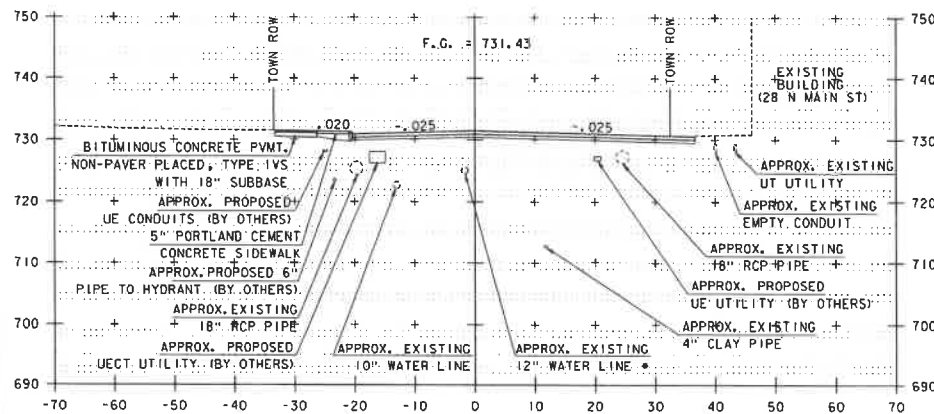
PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 024(58)
FILE NAME:	z19\223xs.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
ROADWAY CROSS SECTIONS SHEET 2	
PLOT DATE:	5/29/2025
DRAWN BY:	T. MARQUETTE
CHECKED BY:	C. JENNE
SHEET 78	OF 102



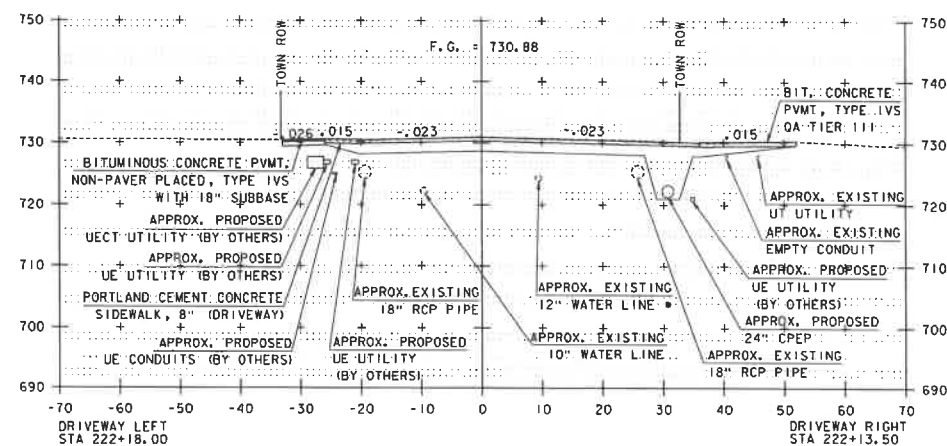
222+00



222+50



221+75



222+25

STA 221+75 TO STA 222+50

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



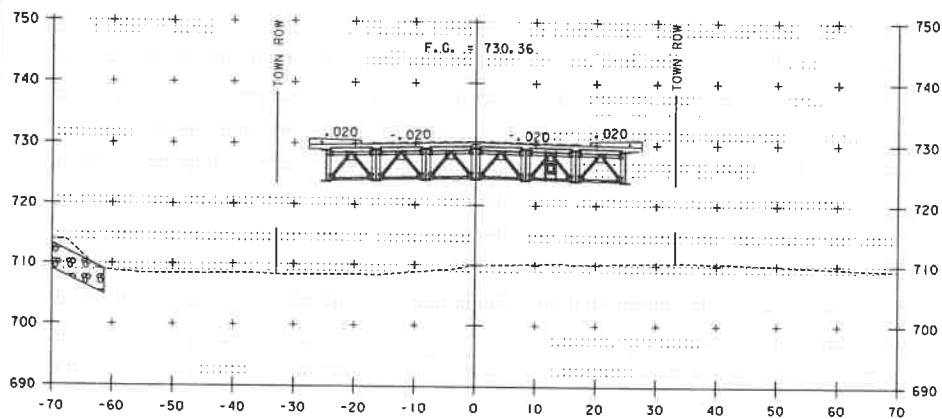
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(K58)

FILE NAME: z191223x.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO

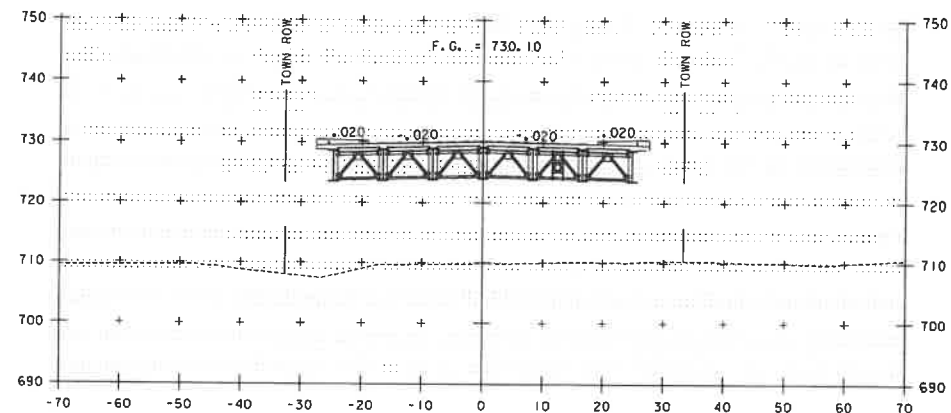
PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE

ROADWAY CROSS SECTIONS SHEET 3

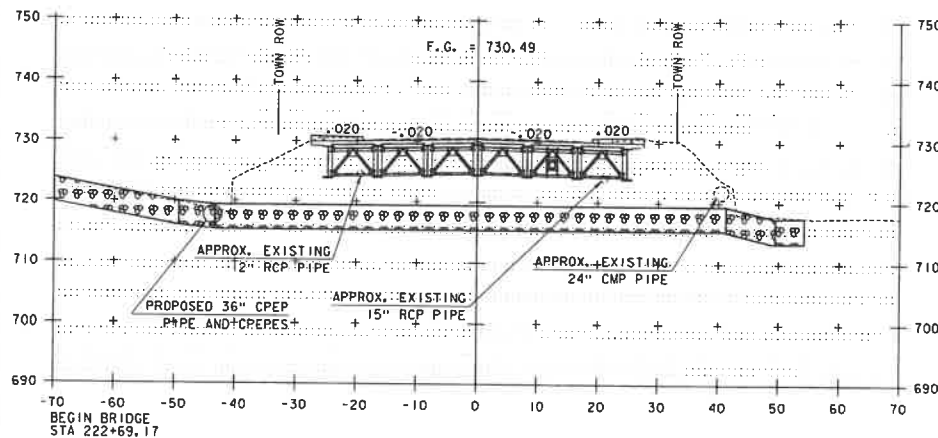
SHEET 79 OF 102



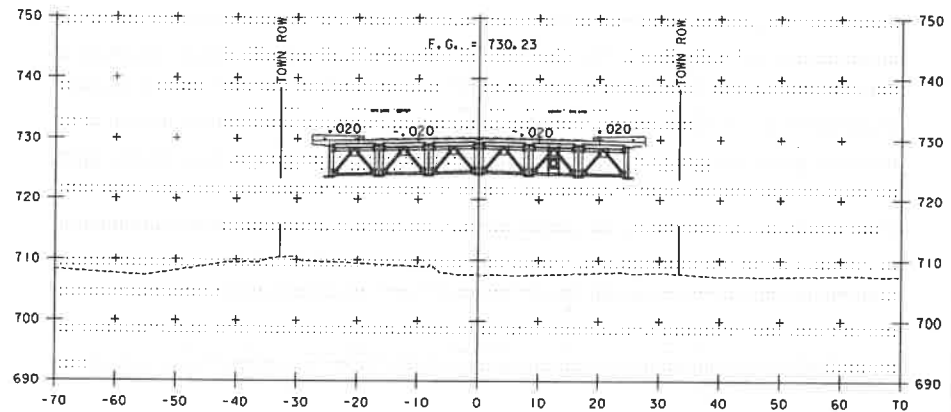
223+00



223+50



222+75



223+25

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.

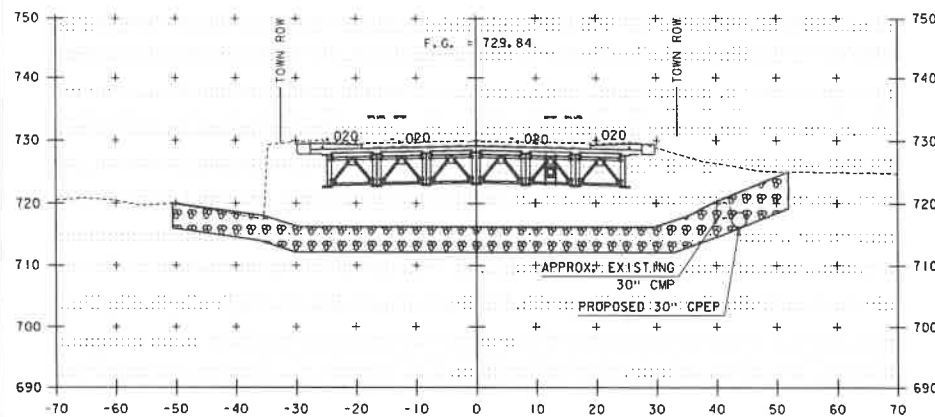


PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

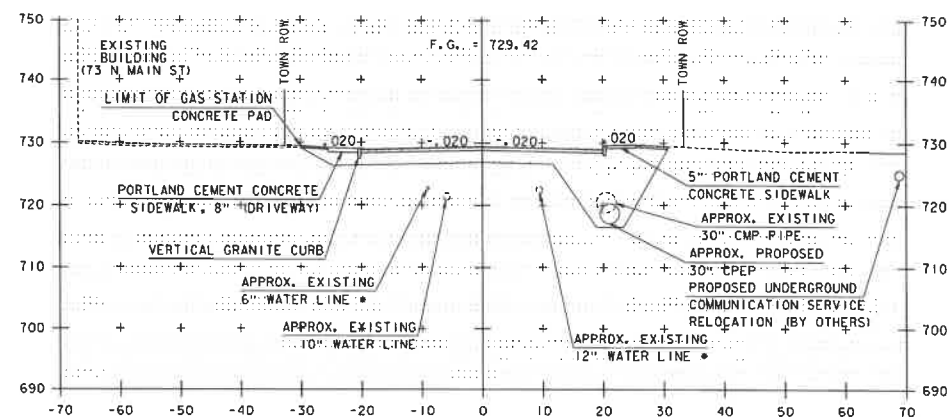
FILE NAME: z19\223x.s.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
ROADWAY CROSS SECTIONS SHEET 4

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 80 OF 102

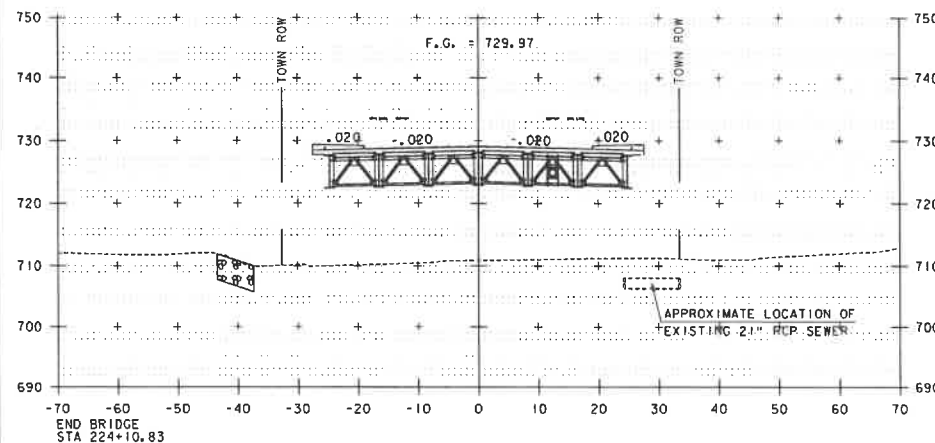
STA 222+75 TO STA 223+50



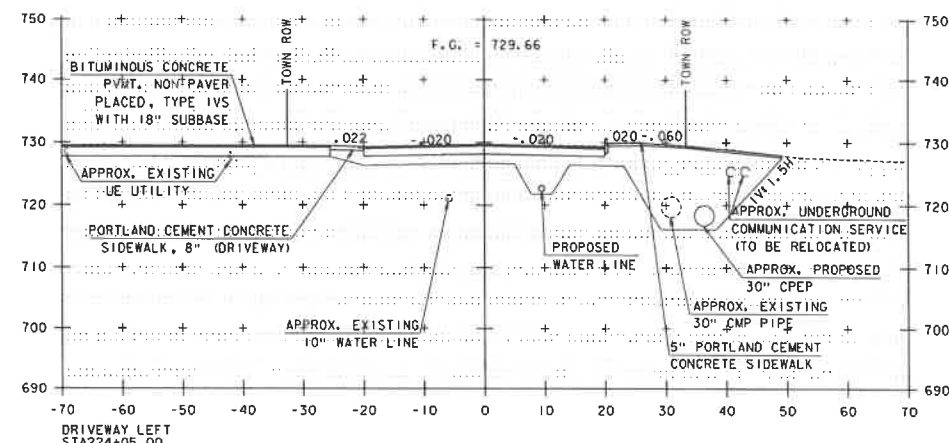
224+00



224+50



223+75



224+25

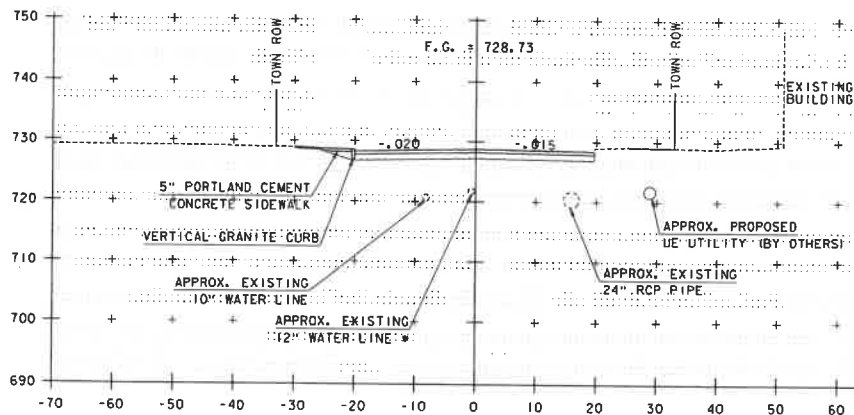
STA 223+75 TO STA 224+50

NOTE:

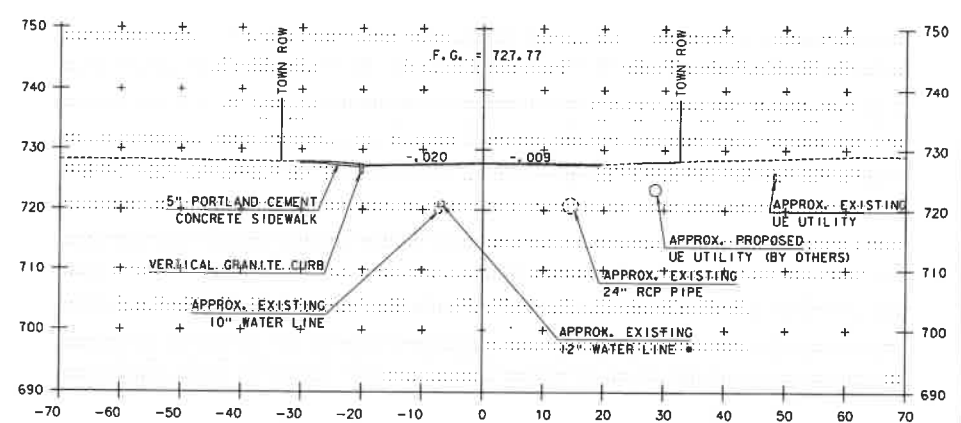
1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



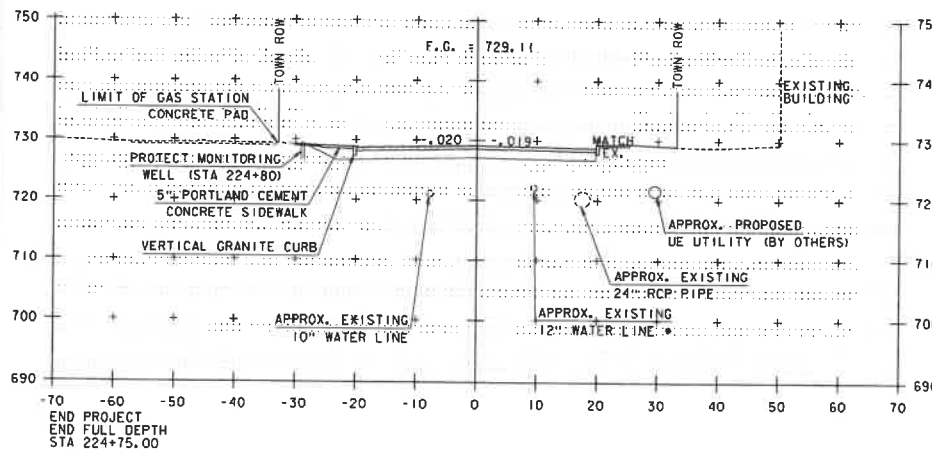
PROJECT NAME: NORTHFIELD	
PROJECT NUMBER: BF 024(K58)	
FILE NAME: z19j223.k58.dgn	PLOT DATE: 5/29/2025
PROJECT LEADER: K. SMITH	DRAWN BY: T. MARQUETTE
DESIGNED BY: K. HO	CHECKED BY: C. JENNE
ROADWAY CROSS SECTIONS SHEET 5	SHEET 01 OF 102



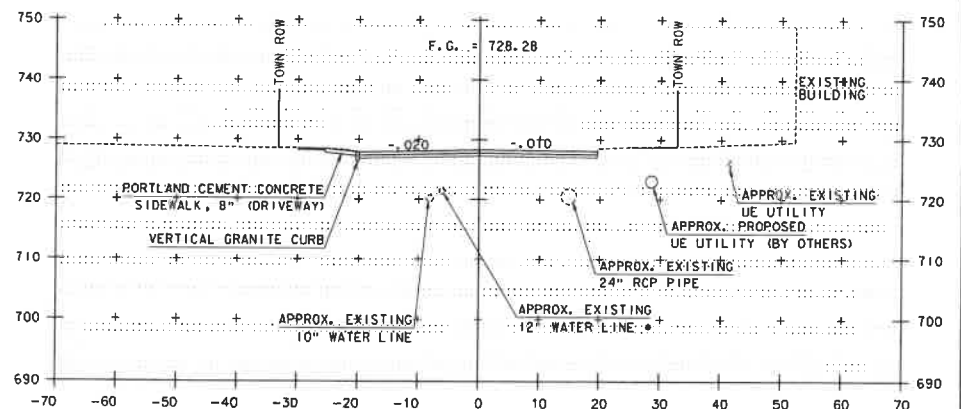
225+00



225+50



224+75



225+25

STA 224+75 TO STA 225+50

NOTE:

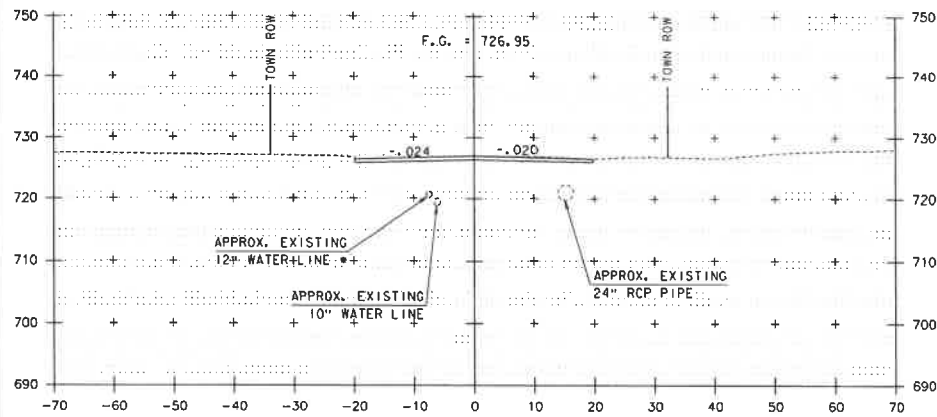
1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



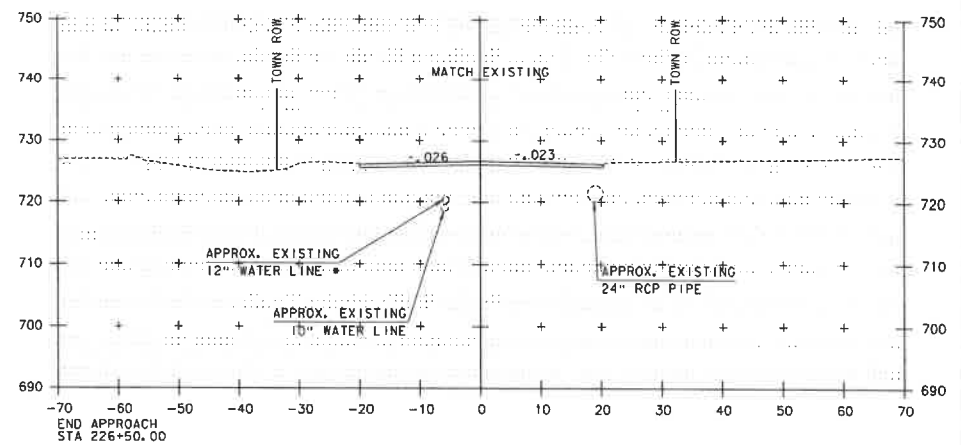
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223x8.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
ROADWAY CROSS SECTIONS SHEET 6

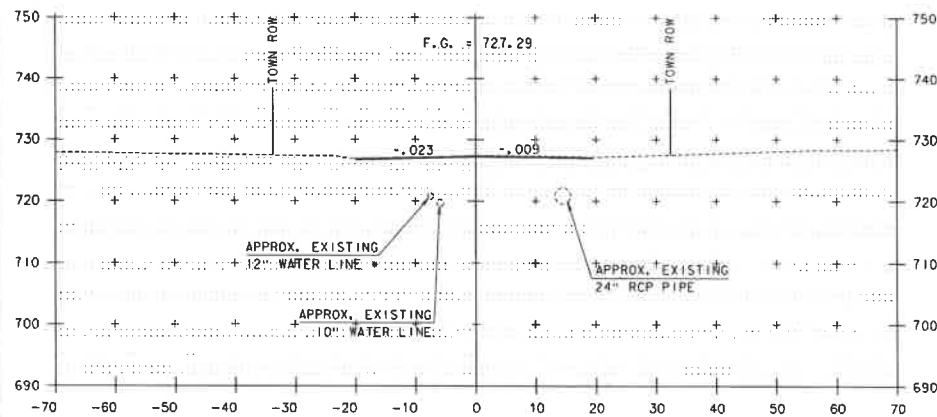
PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 62 OF 102



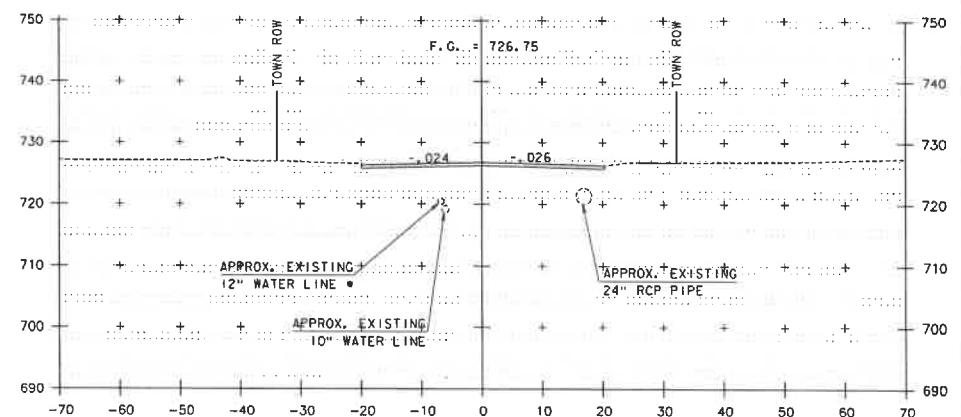
226+00



226+50



225+75



226+25

STA 225+75 TO STA 226+50

NOTE:

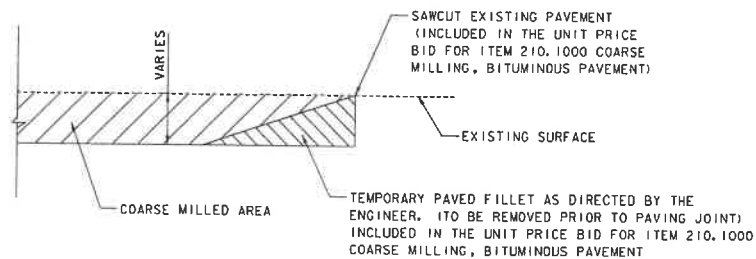
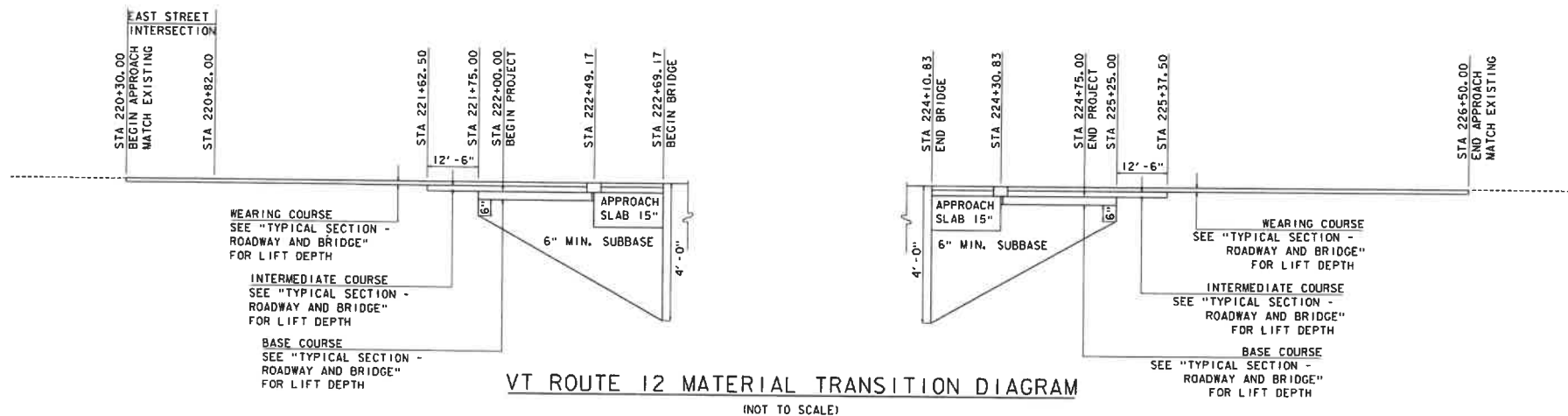
1. EARTHWORK ASSOCIATED WITH PROPOSED UNDERGROUND UTILITIES INSTALLATION BY OTHERS IS NOT PART OF THE SCOPE OF THIS PROJECT UNLESS OTHERWISE SHOWN.
2. APPROXIMATE LOCATION OF WATER UTILITY BUILT UNDER SEPARATE CONTRACT ASSUMED TO BE IN PLACE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.



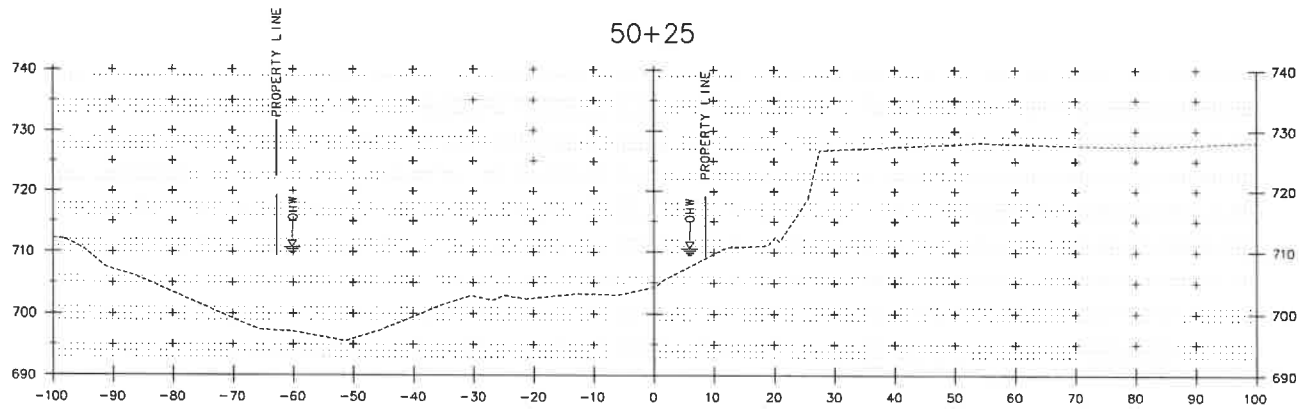
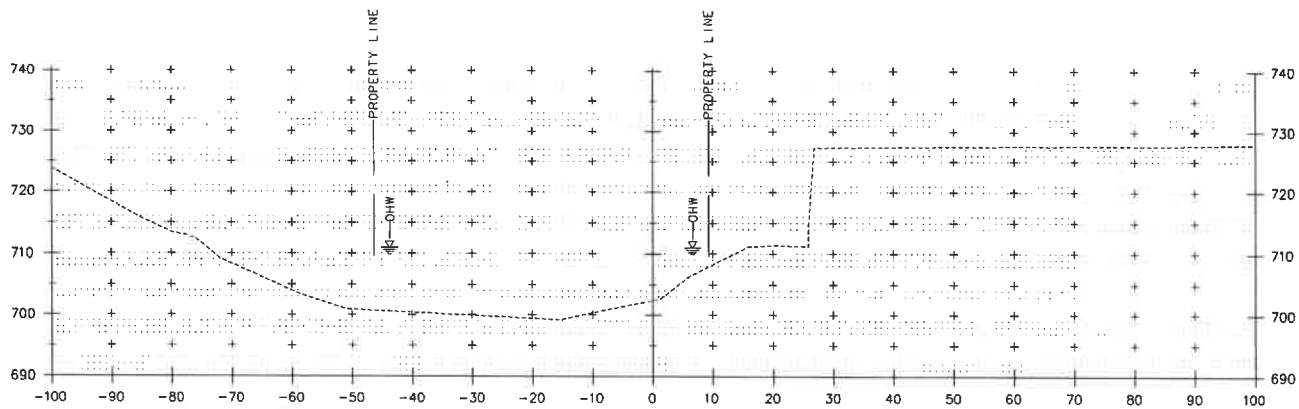
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223xs.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
ROADWAY CROSS SECTIONS SHEET 7

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 83 OF 102



PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)
FILE NAME:	z19j223m+td.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
MATERIAL TRANSITION DIAGRAM	
PLOT DATE:	5/29/2025
DRAWN BY:	T. MARQUETTE
CHECKED BY:	C. JENNE
SHEET	84 OF 102



STA 50+00.00 TO STA 50+25.00

NOTE:

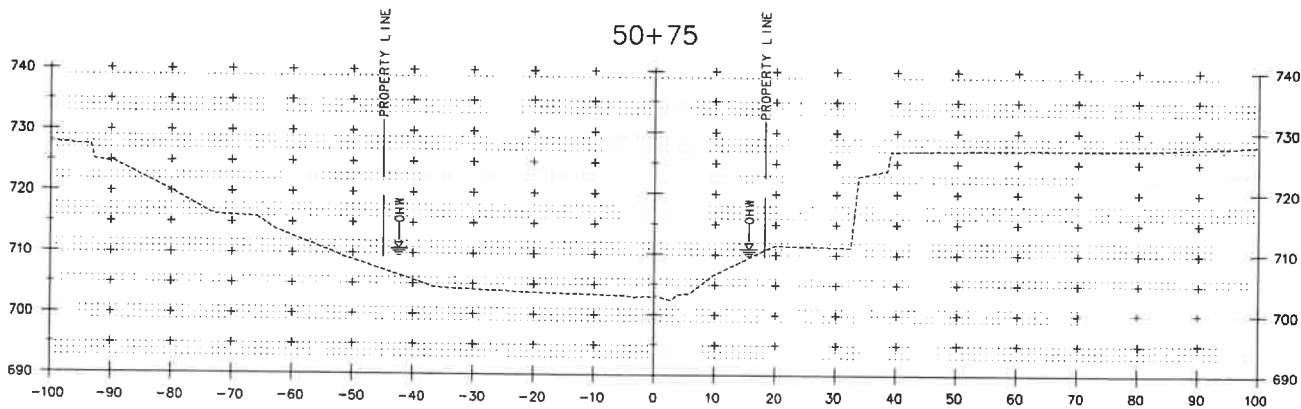
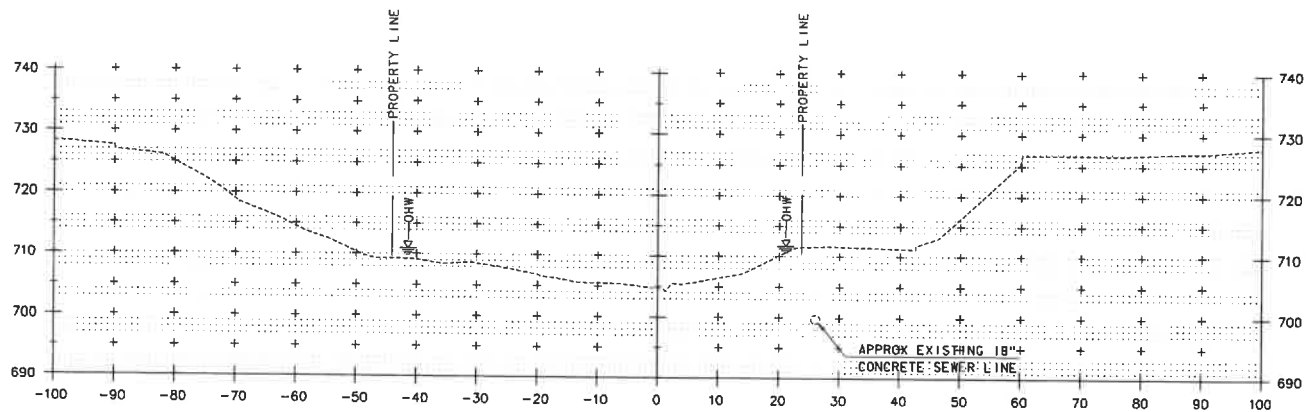
1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z191223xs_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 1

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 85 OF 102



50+50

50+75

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.

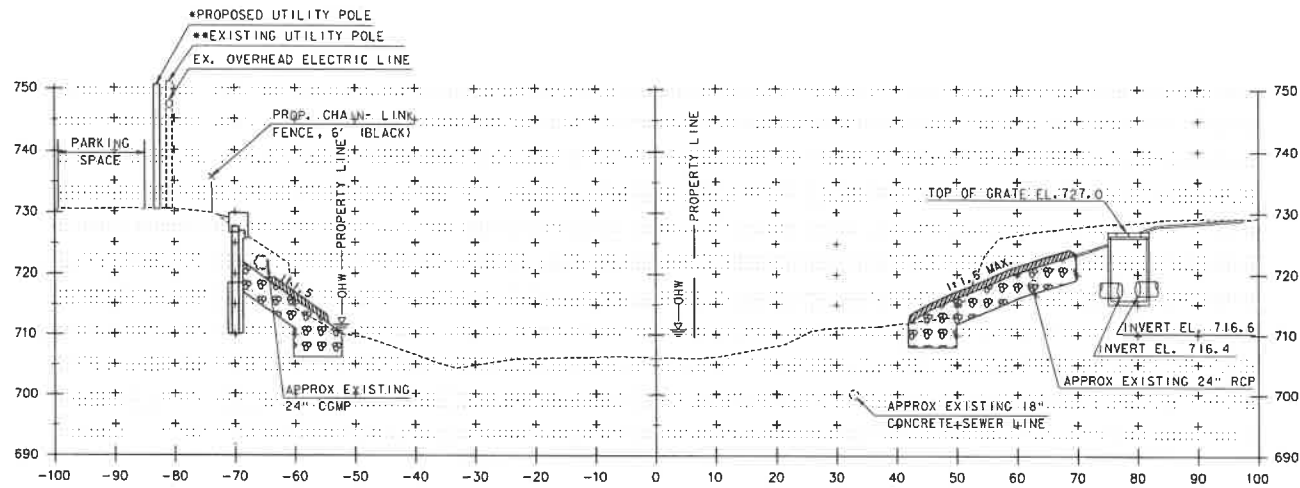


PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

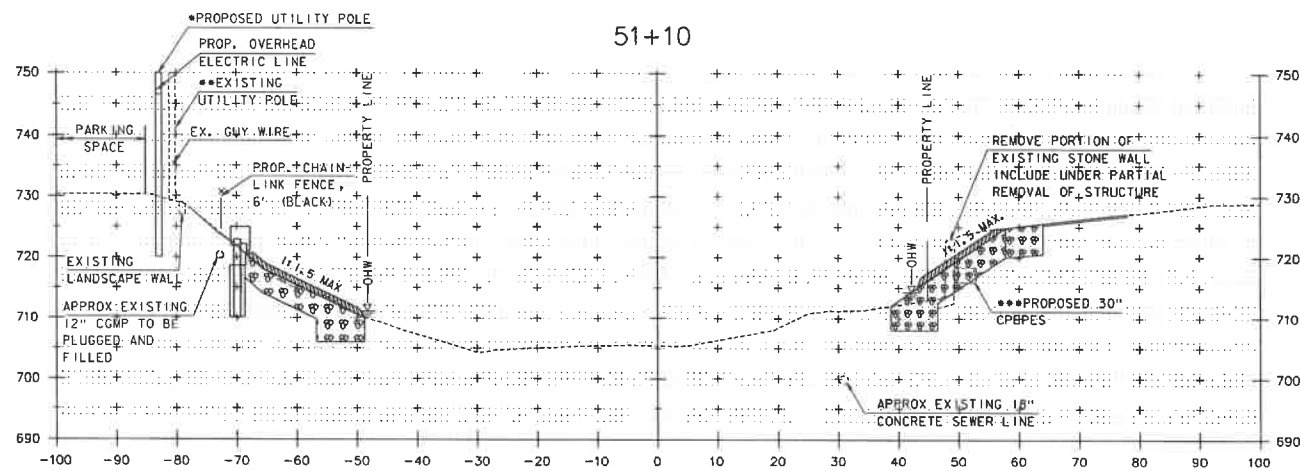
FILE NAME: z19J223xe_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 2

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 86 OF 102

STA 50+50.00 TO STA 50+75.00



- * PROJECTED (ACTUAL STA. 51+05.68)
- **PROJECTED (ACTUAL STA. 51+05.75)



- * PROJECTED (ACTUAL STA. 51+05.68)
- ** PROJECTED (ACTUAL STA. 51+05.75)
- *** PROJECTED (ACTUAL STA. 51+04.81)

STA 50+95.0 LT
 BEGIN UNCLASSIFIED CHANNEL EXCAVATION
 BEGIN STONE FILL, TYPE IV
 BEGIN GEOTEXTILE UNDER STONE FILL
 BEGIN GRUBBING MATERIAL

STA 50+93.0 RT
 BEGIN UNCLASSIFIED CHANNEL EXCAVATION, EX. STONE WALL REMOVAL
 BEGIN STONE FILL, TYPE IV
 BEGIN GEOTEXTILE UNDER STONE FILL
 BEGIN GRUBBING MATERIAL

STA 51+00.0000 TO STA 51+10.0000

PROJECT NAME: NORTHFIELD
 PROJECT NUMBER: BF 024(K58)

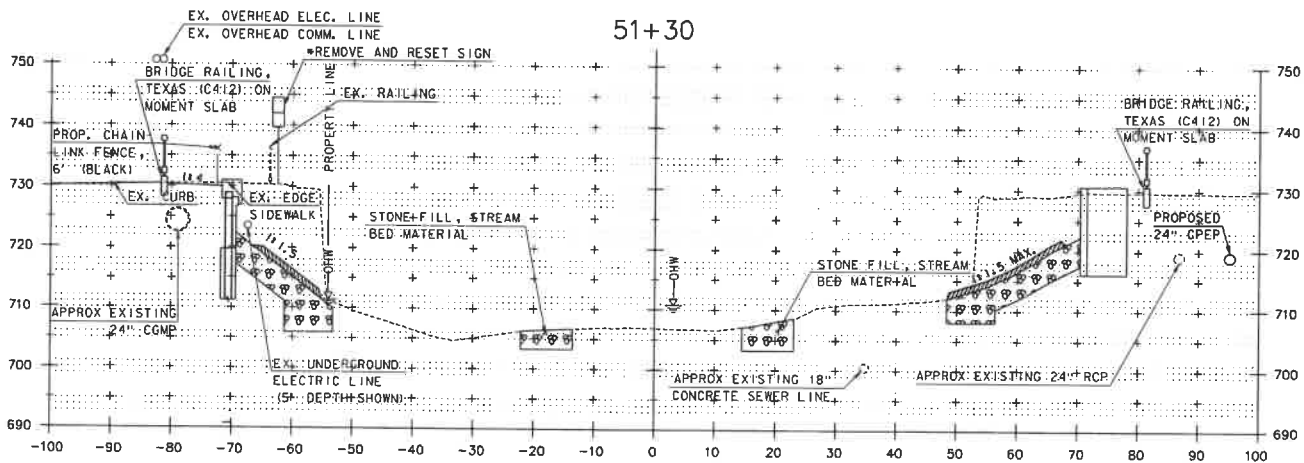
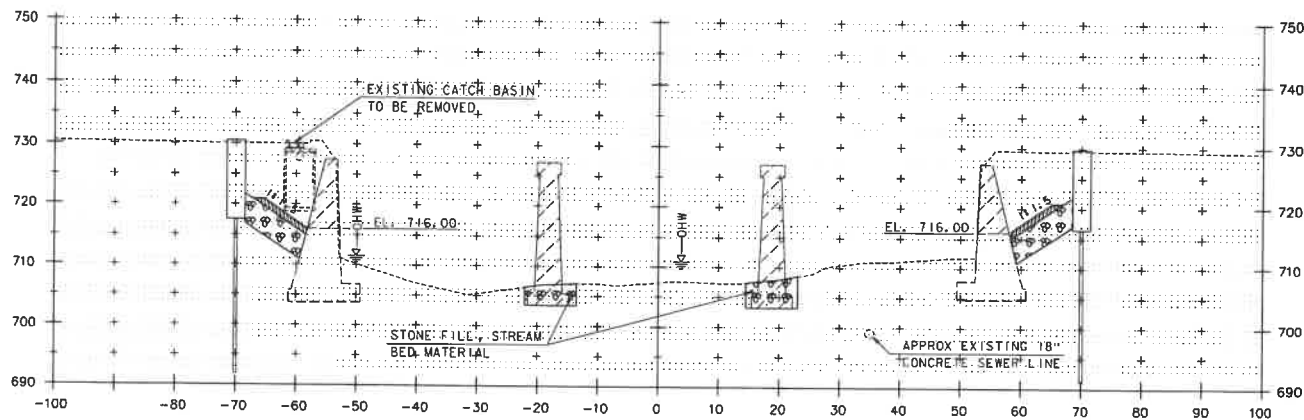
FILE NAME: z191223xs_channel.dgn
 PROJECT LEADER: K. SMITH
 DESIGNED BY: K. HO
 CHANNEL CROSS SECTIONS SHEET 3

PLOT DATE: 5/29/2025
 DRAWN BY: T. MARQUETTE
 CHECKED BY: C. JENNE
 SHEET 87 OF 102



NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY. BACK STATION FOR STONE FILL ASSUMED TO BE STA. 50+93 FOR CONSERVATIVE PURPOSES.



SEE SIGN AND LINE TABLE SHEET FOR DETAIL

STA 51+20.0000 TO STA 51+30.0000

NOTE:

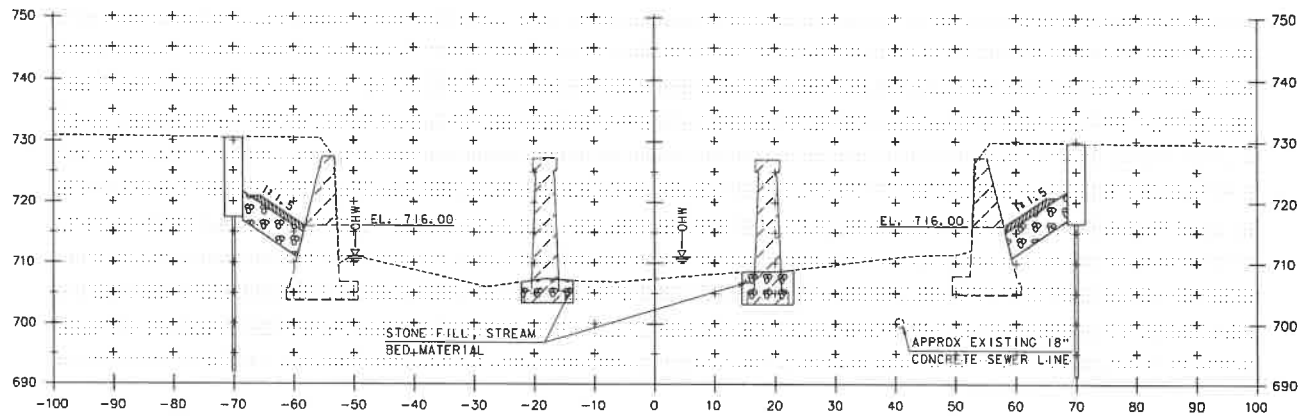
1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



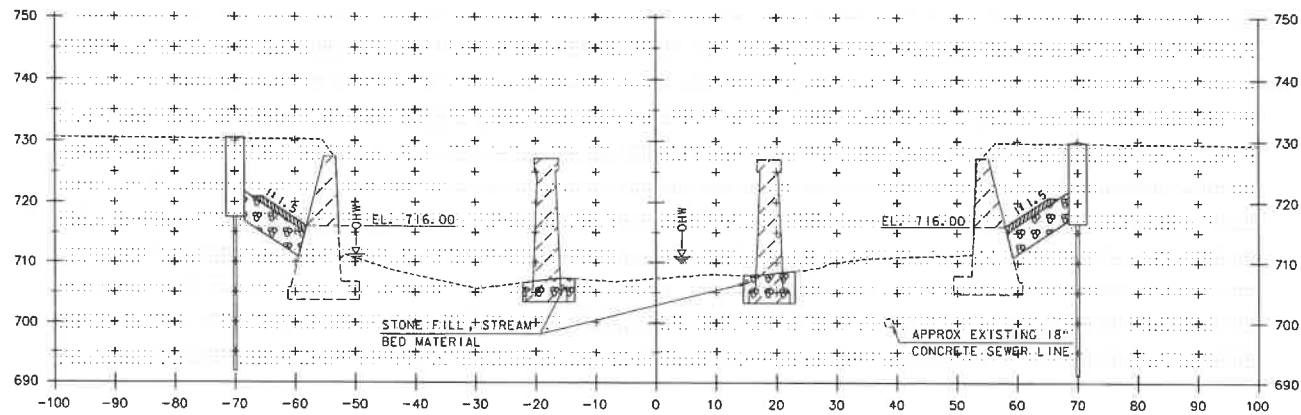
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z19j223xs_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 4

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 88 OF 102



51+50



51+40

STA 51+40.0000 TO STA 51+50.0000

NOTE:

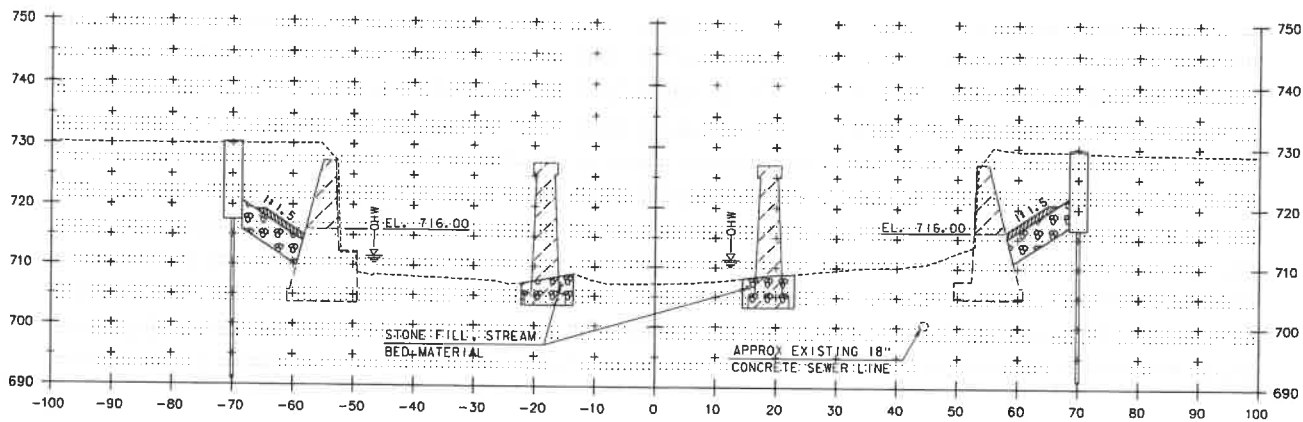
1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



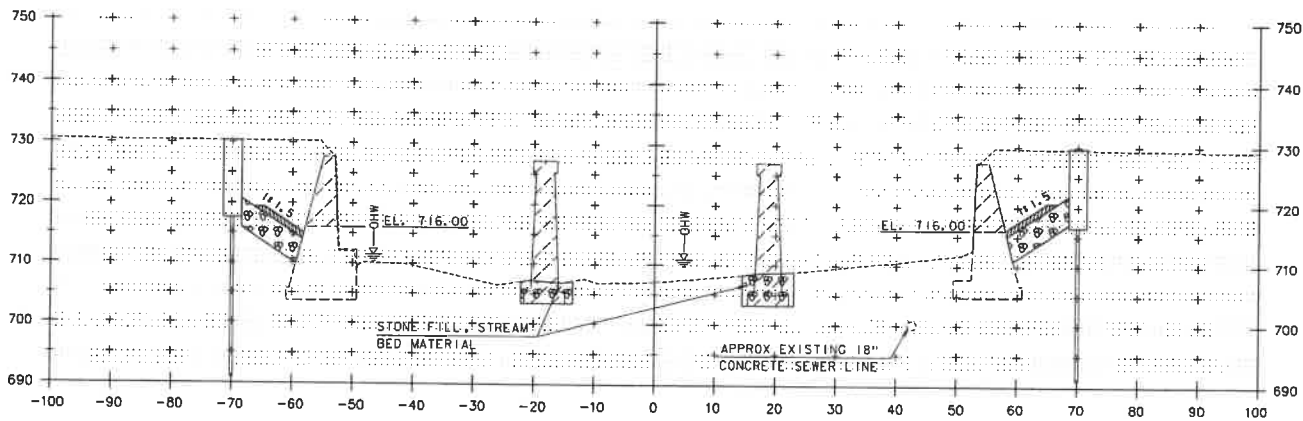
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z191223xs_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 5

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 89 OF 102



51+70



51+60

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.

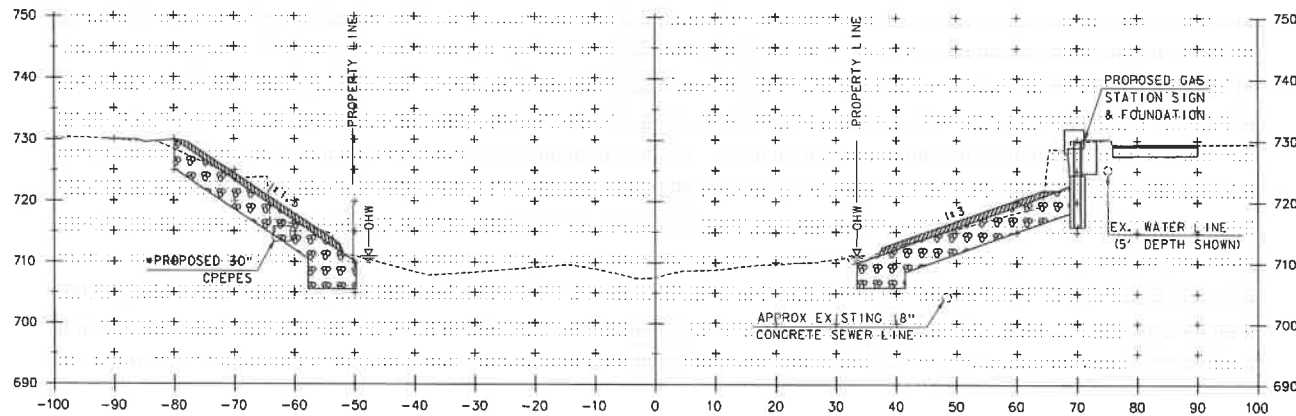


STA 51+60.0000 TO STA 51+70.0000

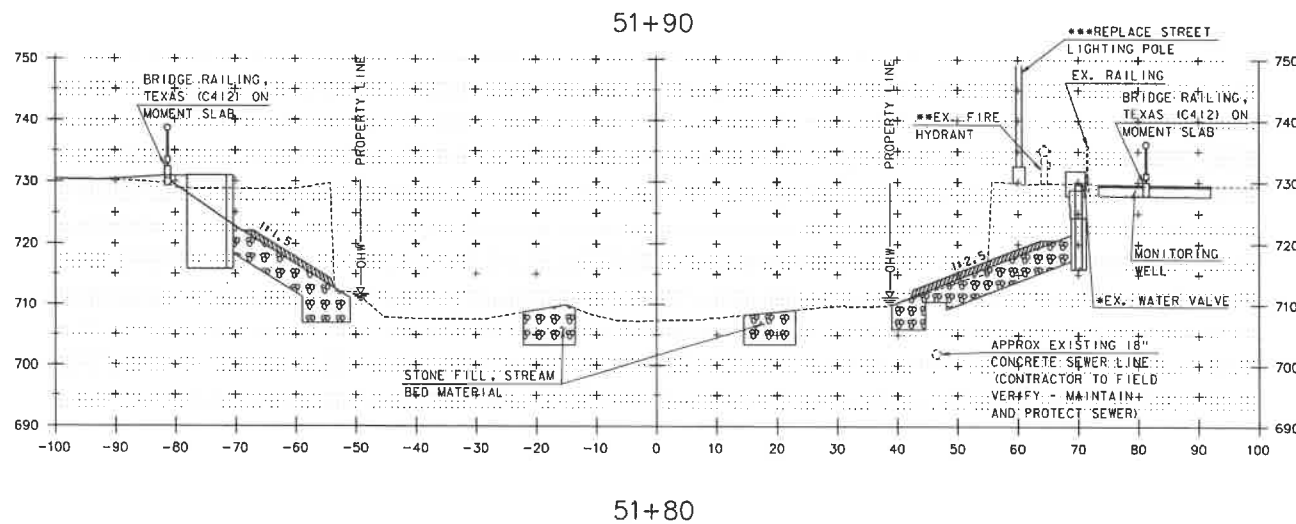
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z191223xs_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 6

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 90 OF 102



• PROJECTED (ACTUAL STA. 51+94.2)



• PROJECTED (ACTUAL STA. 51+82.0)
 •• PROJECTED (ACTUAL STA. 51+81.4)
 •••SEE LIGHTING PLAN SHEET FOR DETAIL

STA 51+80.0000 TO STA 51+90.0000

PROJECT NAME: NORTHFIELD
 PROJECT NUMBER: BF 0241(58)

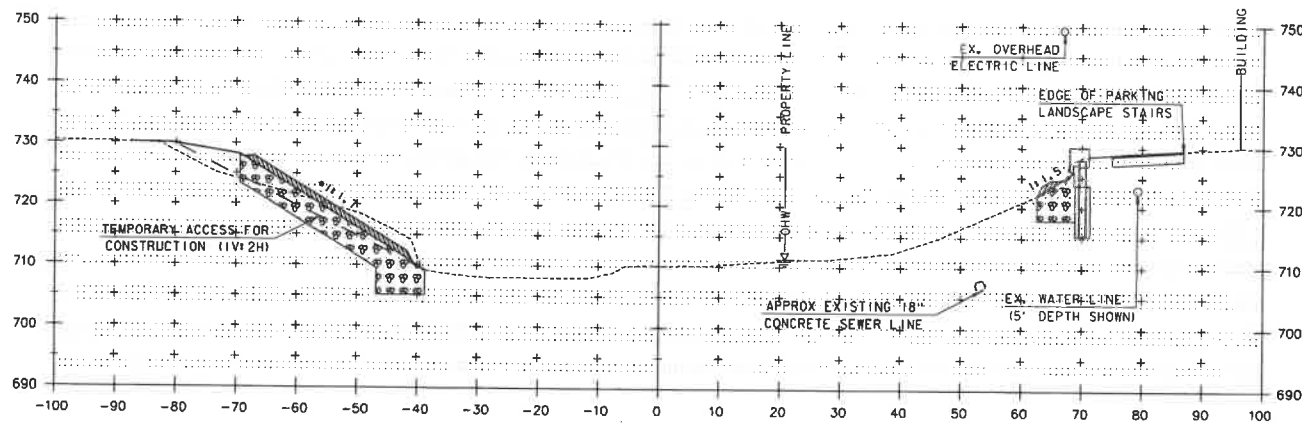
FILE NAME: z191223xs_channel.dgn
 PROJECT LEADER: K. SMITH
 DESIGNED BY: K. HO
 CHANNEL CROSS SECTIONS SHEET 7

PLOT DATE: 5/29/2025
 DRAWN BY: T. MARQUETTE
 CHECKED BY: C. JENNE
 SHEET 91 OF 102



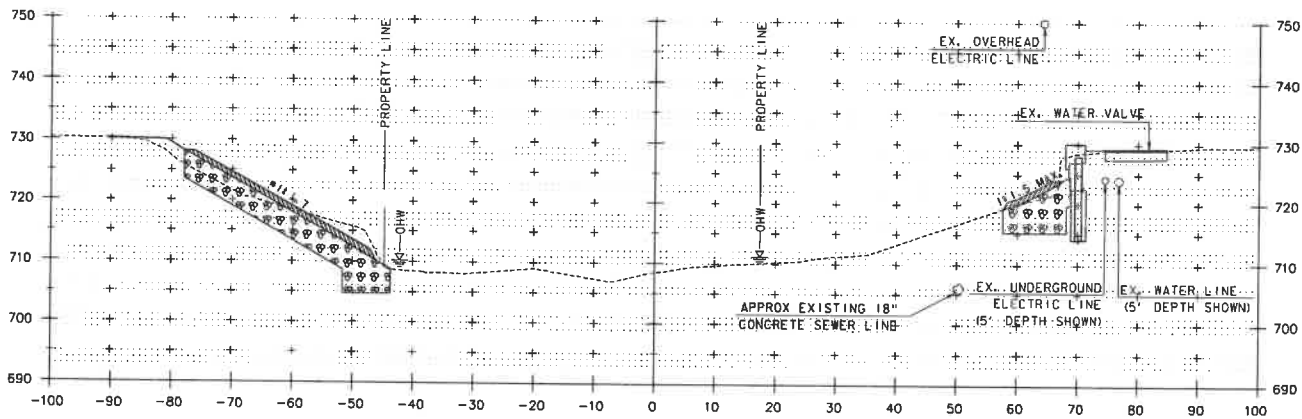
NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



• 1:1.5 SLOPE MEASURED NORMAL TO CONTOUR

52+15



• 1:1.5 SLOPE MEASURED NORMAL TO CONTOUR

52+00

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.

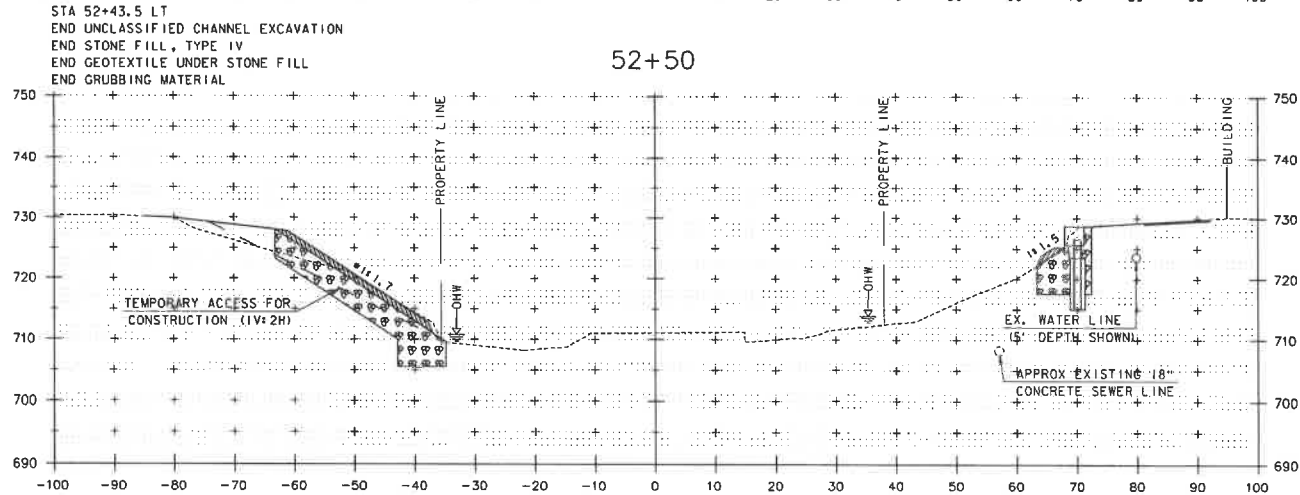
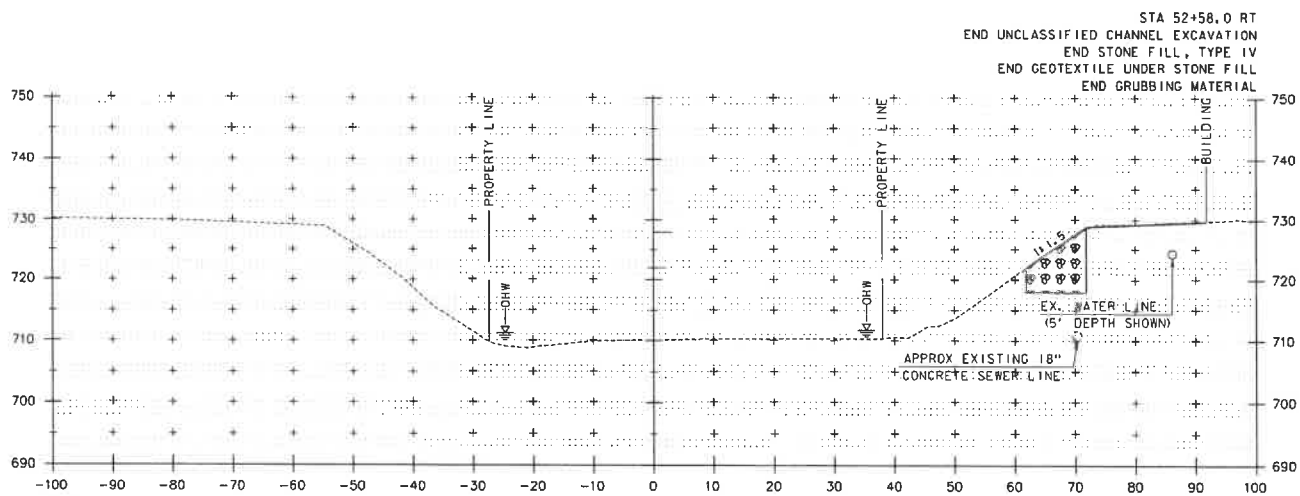


STA 52+00.00 TO STA 52+15.00

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: 2191223xa_channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 8

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 92 OF 102



* 1:1.5 SLOPE MEASURED NORMAL TO CONTOUR

STA 52+25.00 TO STA 52+50.00

NOTE:

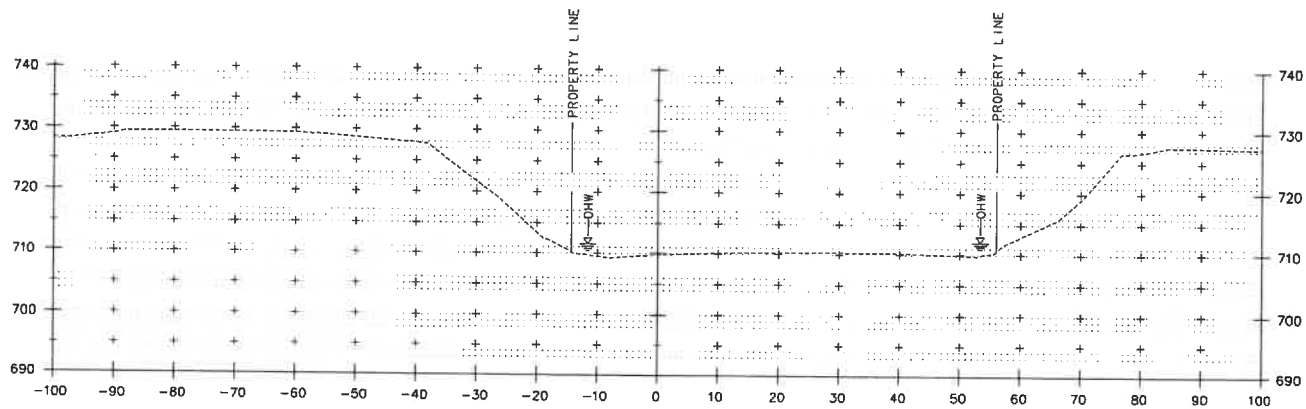
1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



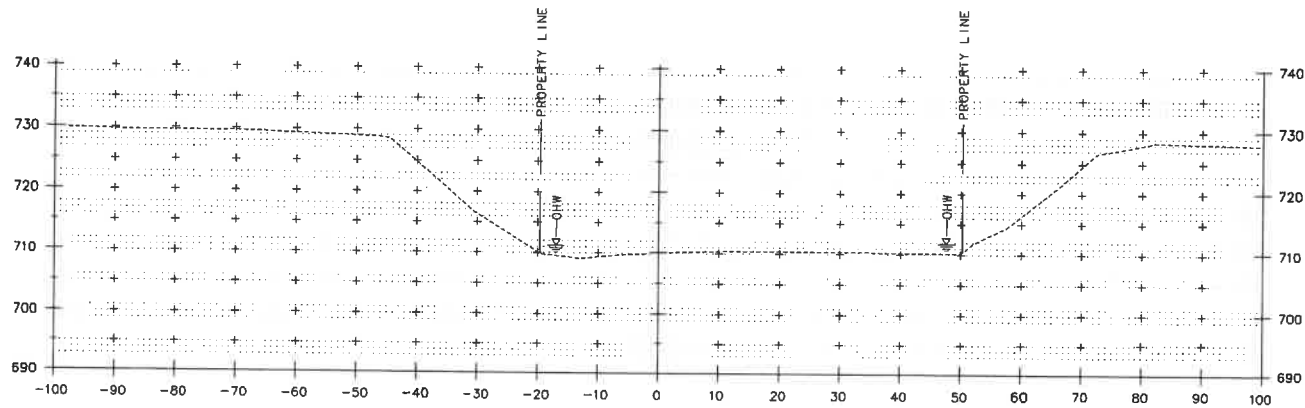
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z:\9223\channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 9

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 93 OF 102



53+00



52+75

STA 52+75.00 TO STA 53+00.00

NOTE:

1. EARTHWORK ASSOCIATED WITH PROPOSED WALLS, BRIDGE AND DRAINAGE ELEMENTS ARE SHOWN SCHEMATICALLY AND FOR REFERENCE PURPOSES ONLY.



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 0241(58)

FILE NAME: z191223xe.channel.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
CHANNEL CROSS SECTIONS SHEET 10

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 94 OF 102

EPSC PLAN NARRATIVE

1. PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF BRIDGE 60 WITH RELATED ROADWAY APPROACH WORK. BRIDGE 60 OVER DOG RIVER IS LOCATED IN THE TOWN OF NORTHFIELD, ON VT ROUTE 12, APPROXIMATELY 1.1 MILES NORTH OF THE JUNCTION WITH VT ROUTE 12A SOUTH. THE PROJECT LOCATION BEGINS AT MILE POST 4.197 (STA 222+00.00) AND ENDS AT MILE POST 4.249 (STA 224+75.00).

THE NEW STRUCTURE WILL BE APPROXIMATELY 141.66 FEET IN LENGTH WITH 133.34 FEET OF ROADWAY WORK, CONSTRUCTED ON NEW FOOTINGS ALONG THE SAME ALIGNMENT.

NOTE: AREA OF DISTURBANCE INCLUDES LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA, AS WELL AS WASTE, BORROW AND STAGING AREAS, AND OTHER EARTH DISTURBING ACTIVITIES WITHIN OR DIRECTLY ADJACENT TO THE PROJECT LIMITS AS SHOWN ON THE ATTACHED EPSC PLAN.

IT IS ANTICIPATED THAT CONSTRUCTION WILL LAST ONE CONSTRUCTION SEASON.

2. AMOUNT OF DISTURBANCE & RISK EVALUATION

TOTAL AREA OF DISTURBANCE AS SHOWN ON THE ATTACHED EPSC PLAN IS APPROXIMATELY 0.92 ACRES.

THE MAXIMUM CONCURRENT EARTH DISTURBANCE USED TO SCORE THIS PROJECT IN APPENDIX A RISK ASSESSMENT IS 2.00 ACRES.

ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

3. MAJOR COMPONENTS & SEQUENCING

THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXTENT OF DISTURBED SOILS LEFT OPEN TO EROSION AT ANY GIVEN TIME. PROJECT DEMARCATION FENCING WILL BE INSTALLED AT THE PROJECT LIMITS. EROSION PREVENTION AND SEDIMENT CONTROLS WILL BE UTILIZED, AS SHOWN IN THE PLANS, THROUGHOUT THE DURATION OF CONSTRUCTION. THE EXISTING SUPERSTRUCTURE AND PORTIONS OF THE EXISTING ABUTMENTS AND PIERS WILL BE REMOVED. EXCAVATION AND GRADING WILL TAKE PLACE AT THE PROPOSED ABUTMENTS. WATER DIVERSION AND DEWATERING WILL BE UTILIZED BY THE CONTRACTOR TO ACCESS THE EXISTING PIERS. EXISTING PAVEMENT AND ROADWAY BASE WILL BE EXCAVATED AND REPLACED WITH THE PROPOSED ROADWAY AT THE APPROACHES. PROPOSED UTILITIES WILL BE PLACED CONCURRENTLY WITH THE PROPOSED ROADWAY AT THE APPROACHES. PILES AND PILECAPS WILL BE INSTALLED, FOLLOWED BY THE STEEL BEAMS, DECK, AND APPROACH SLABS. FOLLOWING FINAL GRADING, TURF WILL BE ESTABLISHED ON DISTURBED AREAS, PROPOSED SIDEWALKS WILL BE INSTALLED, AND PAVEMENT WILL BE PLACED. LASTLY, ALL EROSION PREVENTION AND SEDIMENT CONTROL ITEMS WILL BE REMOVED.

4. SITE DESCRIPTION

4.1 VEGETATED BUFFERS

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE IMPLEMENTED WHEREVER POSSIBLE.

THIS PROJECT DOES NOT RELY ON VEGETATED BUFFERS AS A MITIGATING RISK FACTOR.

4.2 STREAM CROSSINGS

THIS PROJECT INCLUDES (1) STREAM CROSSINGS, AS DESCRIBED IN SECTION 5.1 BELOW. WORK WITHIN THE WATER IS BEING AUTHORIZED THROUGH THE VNR DEC RIVER MANAGEMENT PROGRAM AND THE US ARMY CORPS OF ENGINEERS.

4.3 WETLANDS

THERE ARE NO WETLANDS OR WETLAND BUFFERS BEING IMPACTED WITHIN THE PROJECT LIMITS.

4.4 TOPOGRAPHY

THE TOPOGRAPHY OF THE PROJECT AREA IS GENERALLY FLAT. THE BRIDGE IS LOCATED IN A DOWNTOWN VILLAGE SETTING, WITH A CROSSWALK LOCATED AT THE NORTH OF THE BRIDGE AND ON-STREET PARKING LOCATED JUST OFF THE SOUTH END OF THE BRIDGE NESTLED BETWEEN DRIVEWAYS. COMMERCIAL BUSINESSES WITH PAVED PARKING LOTS ARE LOCATED ALONG THE SOUTHWEST AND NORTHWEST QUADRANTS. THERE IS A COMMERCIAL BUSINESS WITH CORRESPONDING DRIVEWAY LOCATED JUST OUTSIDE OF THE PROJECT LIMITS IN THE NORTHEAST QUADRANT.

4.5 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS OF INTENTIONALLY PLANTED AND NATURALLY OCCURRING DECIDUOUS TREES, SHRUBS, AND HERBACEOUS GROWTH. THERE IS MOWED GRASS FRONTAGE ALONG THE SOUTHEAST AND NORTHEAST QUADRANTS, THE IMPACT TO VEGETATION WILL BE LIMITED TO THAT WHICH IS DIRECTLY AFFECTED BY THE PROJECT. UPON COMPLETION, THE DISTURBED VEGETATION SHALL BE REESTABLISHED WITH LIVE STAKES, DECIDUOUS TREES AND SHRUBS, SEED, AND MULCH PER THE LANDSCAPE PLAN.

4.6 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE. SOILS ON THE PROJECT SITE INCLUDE:
MACIAS FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, "K FACTOR" = 0.20
COLTON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES, "K FACTOR" = 0.17

ADDITIONALLY, THERE ARE CONTAMINATED SOILS AND POTENTIAL HAZARDOUS WASTE WITHIN THE PROJECT LIMITS. PER VNR HAZARDOUS SITES LIST, HAZARDOUS SITES ARE LOCATED IN THE NORTHWEST AND SOUTHWEST QUADRANTS OF THE PROJECT, AND A HAZARDOUS WASTE GENERATOR IS LOCATED IN THE NORTHEAST QUADRANT. THERE IS ALSO AN UNDERGROUND STORAGE TANK LOCATED IN THE NORTHWEST QUADRANT. IN ADDITION, THE ENTIRE PROJECT SITE IS LOCATED WITHIN A MAPPED URBAN SOILS BACKGROUND AREA. THE DISTURBANCE OF SOILS WITHIN THE PROJECT AND THE METHOD BY WHICH THEY ARE HANDLED, TRANSPORTED, AND DISPOSED OF WILL BE IN COMPLIANCE WITH THE SOIL MANAGEMENT PLAN THAT HAS BEEN PREPARED FOR THIS PROJECT.

NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING:
0.0-0.23 = LOW EROSION POTENTIAL
0.24-0.36 = MODERATE EROSION POTENTIAL
0.37 AND HIGHER = HIGH EROSION POTENTIAL

4.7 OTHER SENSITIVE RESOURCES

WHILE BRIDGE 60 IS NOT A HISTORICALLY SIGNIFICANT STRUCTURE, IT IS LOCATED WITHIN THE VERMONT STATE REGISTER-LISTED DEPOT SQUARE HISTORIC DISTRICT. THREE CONTRIBUTING BUILDINGS TO THE DEPOT SQUARE HISTORIC DISTRICT ARE LOCATED AT THE SOUTHEASTERN CORNER OF THE BRIDGE: 38 NORTH MAIN STREET, 28 NORTH MAIN STREET, AND 9 EAST STREET. THE CONTRACTOR SHALL NOT TEMPORARILY OR PERMANENTLY IMPACT ANY OF THESE PROPERTIES DURING CONSTRUCTION OF THIS PROJECT. IF ANY OF THE FOREMENTIONED PROPERTIES ARE AFFECTED, SECTION 4(F) REVIEW WILL BE NECESSARY UNDER FHWA REGULATION 23 CFR 774. THE NEW STRUCTURE'S DESIGN, MATERIALS, MASSING, RAILING AND ANY OTHER PERMANENT FEATURES SHALL BE COMPATIBLE WITH THE HISTORIC DISTRICT.

5. DRAINAGE

5.1 RECEIVING WATERS

DOG RIVER, A WATERCOURSE REGULATED BY THE US ARMY CORPS OF ENGINEERS, IS A NORTH-FLOWING TRIBUTARY OF THE WINOOSKI RIVER, AND IS THE ONLY WATER SOURCE ON THE PROJECT SITE. MUNICIPAL WATER SUPPLIES WATER TO RESIDENCES AND BUSINESSES IN THE IMMEDIATE VICINITY OF THE BRIDGE. THE DOG RIVER IS PRONE TO A MODERATE TO HIGH DEBRIS LOAD, AND THE STREAM BED CONSISTS OF GRAVEL, COBBLES AND BOULDERS. THE TRIBUTARY AREA AT THE BRIDGE CROSSING IS 59.6 MILES².

5.2 DISCHARGE POINTS

THIS PROJECT HAS THREE DISCRETE DISCHARGE POINTS WHICH CONVEY RUNOFF FROM WITHIN THE CURBED AREAS OF THE ROADWAY INTO THE RECEIVING WATER FROM DRAINAGE OUTFALLS. OUTSIDE OF THE CURBED AREAS, ALL WATER FROM THE PROJECT AREA DRAINS TOWARD THE RIVER AND ENTERS THE RECEIVING WATER IN MULTIPLE LOCATIONS IN THE AREAS DIRECTLY ADJACENT TO THE BRIDGE.

5.3 CONVEYANCE/FLOW PATH FROM PROJECT TO WATERS

A PORTION OF THE PROJECT IS NOT CURBED AND RUNOFF DRAINS OVERLAND ACROSS ADJACENT VEGETATED SLOPES BEFORE REACHING THE DOG RIVER. FOR THE REMAINING CURBED SEGMENTS, THERE EXIST A NUMBER OF DROP INLETS THAT COLLECT ROADWAY RUNOFF WHICH DRAIN TO OUTFALLS IN THE SOUTHWEST, NORTHEAST AND SOUTHEAST QUADRANTS VIA 24" DRAINAGE PIPES THAT EXTEND TOWARDS THE DOG RIVER STREAMBANK.

6. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES

THE MEASURES INCLUDED IN THIS PLAN ARE PROVIDED AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. IT IS EXPECTED THAT THE CONTRACTOR MAY USE THIS PLAN, WITH ADJUSTMENTS AS NECESSARY, BASED ON THEIR SPECIFIC MEANS AND METHODS OF CONSTRUCTION.

APPLYING THESE MEASURES THROUGHOUT CONSTRUCTION IS CRITICAL TO THEIR SUCCESS IN MINIMIZING SEDIMENT TRANSPORT TO THE RECEIVING WATERS. REFER TO THE DETAILS INCLUDED IN THESE PLANS AND THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR SPECIFIC GUIDANCE.

6.1 IDENTIFY LIMITS OF DISTURBANCE

SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BARRIER FENCE SHALL BE USED INSTEAD OF PROJECT DEMARCATION FENCE WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC.).

6.2 LIMIT CONCURRENT DISTURBANCE

LIMITING THE AMOUNT OF SOIL EXPOSED AT ONE TIME REDUCES THE POTENTIAL EROSION ON SITE. CONCURRENT EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY AND EMPLOYING STABILIZATION PRACTICES IN INCREMENTAL STAGES AS PHASES CHANGE.

6.3 STABILIZE DISTURBED AREAS

6.3.1 ACCESS POINTS/ENTRANCE/EXITS

TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL CONCLUDE WITH THE CONTRACTORS PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES ARE ANTICIPATED ON THIS PROJECT AND SHALL BE LOCATED AS SHOWN ON THIS EPSC PLAN AND ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

6.3.2 TEMPORARY MEASURES FOR EXPOSED AREAS DURING CONSTRUCTION

ALL AREAS OF EARTH DISTURBANCE MUST HAVE STABILIZATION IN PLACE WITHIN 14 DAYS OF INITIAL DISTURBANCE. AFTER THIS TIME, DISTURBED AREAS MUST BE STABILIZED IN ADVANCE OF ANY RUNOFF PRODUCING EVENT.

SURFACE ROUGHENING OF EXPOSED SLOPES, SEEDING OF TEMPORARY SLOPES AND STOCKPILES, AND STANDARD MULCHING PRACTICES DESCRIBED IN SPECIFICATION SECTION 653.07 SHALL BE UTILIZED TO TEMPORARILY STABILIZE DISTURBED AREAS.

6.3.3 PERMANENT STABILIZATION AT FINAL GRADE

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, ROLLED EROSION CONTROL PRODUCT, TYPE I SHALL BE USED INSTEAD OF MULCH.

CONTRACT ITEM 613.13 - STONE FILL, TYPE IV SHALL BE USED TO ARMOR THE CHANNEL BANK IN THE VICINITY OF BRIDGE ABUTMENTS AND WINGWALL SLOPES.

6.4 DIVERT UPLAND RUNOFF

DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAR WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCTION SITE.

THE PROJECT AREA IS RELATIVELY FLAT; HOWEVER, VT ROUTE 12 SOUTH OF THE PROJECT AREA DRAINS TOWARD THE PROJECT AREA. RUNOFF FROM THESE AREAS MAY NEED TO BE DIVERTED AWAY FROM THE PROJECT AREA. THE CONTRACTOR SHALL REFER TO THE LOW RISK HANDBOOK FOR GUIDANCE.

6.5 INSTALL SEDIMENT BARRIERS

SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OUT. THEY SHALL BE INSTALLED ON THE DOWNHILL SIDE OF CONSTRUCTION ACTIVITIES, PRIOR TO ANY UP-SLOPE WORK.

IN-WATER SEDIMENT ISOLATION DEVICE SHALL BE ANY MEASURE WHICH EFFECTIVELY SEPARATES SEDIMENTS OR POLLUTANTS FROM WATERS OF THE STATE AS DEFINED IN THE VERMONT WATER QUALITY STANDARDS.

SILT FENCE WILL BE INSTALLED ALONG THE CONTOURS AND AS PROPOSED ON THE EPSC PLAN. WOVEN WIRE REINFORCED SILT FENCE SHALL BE USED INSTEAD OF SILT FENCE WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS.



PROJECT NAME:	NORTHFIELD
PROJECT NUMBER:	BF 0241(58)
FILE NAME:	z191223epsc.narrative.dgn
PROJECT LEADER:	K. SMITH
DESIGNED BY:	K. HO
EPSC NARRATIVE SHEET 1	
PLOT DATE:	5/29/2025
DRAWN BY:	T. MARQUETTE
CHECKED BY:	C. JENNE
SHEET	95 OF 102

6.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSION POTENTIAL, OF CONCENTRATED FLOW IN CHANNELS.

TEMPORARY STONE CHECK DAMS ARE NOT ANTICIPATED TO BE NEEDED AS DESIGNED SINCE THE STREAMBED WITHIN THE PROJECT AREA IS RELATIVELY FLAT, AND THE CHANNEL'S FLOW VELOCITY DOES NOT WARRANT THEIR USE.

7. CONSTRUCT PERMANENT CONTROLS

PERMANENT STORMWATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH PERMIT CONDITIONS.

PERMANENT STORMWATER TREATMENT DEVICES ARE NOT ANTICIPATED TO BE NEEDED AS DESIGNED.

8. DEWATERING

DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS. DEWATERED STORMWATER OR GROUNDWATER MUST BE FILTERED AND ROUTED IN A MANNER THAT DOES NOT RESULT IN VISIBLY TURBID DISCHARGES TO WATERS.

DEWATERING OF SURFACE WATER WITHIN THE COFFERDAM IS ANTICIPATED. THE FILTER BAG DETAIL AND PUMP ITEM HAVE BEEN INCLUDED AS A POTENTIAL TREATMENT MEASURE FOR THIS PURPOSE, HOWEVER THE SPECIFIC MEANS FOR TREATMENT OF DISCHARGE SHALL BE PROVIDED BY THE CONTRACTOR. ALL COSTS FOR TREATMENT OF DISCHARGE SHALL BE PAID FOR UNDER CONTRACT ITEM 653.45.

9. OFF-SITE AREAS

OFF-SITE WASTE AND BORROW AREAS HAVE NOT BEEN IDENTIFIED FOR THIS PROJECT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PERMIT, AS NECESSARY, ANY OFF-SITE AREAS THAT ARE NEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 105.25 - 105.28. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES NECESSARY FOR WASTE, BORROW, AND STAGING AREAS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR PER 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

VEHICLE AND EQUIPMENT STORAGE AREAS OR AREAS ADJACENT TO CONSTRUCTION TRAILERS OR OTHER HIGH TRAFFIC AREAS SHALL BE COVERED WITH GEOTEXTILE FABRIC AND 12" OF GRAVEL. FOLLOWING COMPLETION OF CONSTRUCTION, ALL NON-NATIVE MATERIALS SHALL BE REMOVED FROM THE STAGING AREA. COMPACTED, RUTTED, OR OTHERWISE DISTURBED SOILS SHALL BE TILLED, RAKED, SEEDED AND MULCHED.

ERODIBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH SILT FENCE OR OTHER ACCEPTABLE SEDIMENT BARRIER. SOIL STOCKPILED ON THE SITE SHALL BE SEEDED AND MULCHED.

10. WINTER CONSTRUCTION

CONSTRUCTION ACTIVITIES MAY CONTINUE INTO THE WINTER CONSTRUCTION SEASON, DEPENDING ON ACTUAL FIELD AND WEATHER CONDITIONS. IF ACTIVITIES ARE ON-GOING BETWEEN OCTOBER 15 AND APRIL 15, THE CONTRACTOR SHALL FOLLOW REQUIREMENTS FOR WINTER CONSTRUCTION, AS DEFINED IN SPECIFIC PERMIT CONDITIONS AND AS FOLLOWS:

- ENLARGED ACCESS POINTS, STABILIZED TO PROVIDE FOR SNOW STOCKPILING.
- LIMITS OF DISTURBANCE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK.
- DEVELOPMENT OF A SNOW MANAGEMENT PLAN THAT INCLUDES:
 - ADEQUATE STORAGE AND CONTROL OF MELT-WATER
 - STORAGE OF CLEARED SNOW TO BE PLACED DOWN SLOPE OF DISTURBED AREAS AND OUT OF STORMWATER TREATMENT STRUCTURES
- AREAS OF DISTURBANCE WITHIN 100 FT OF A WATERBODY MUST HAVE REINFORCED (WOVEN WIRE) SILT FENCE INSTALLED ACROSS THE SLOPE, DOWNGRADIENT OF THE EARTH DISTURBANCE. ALTERNATIVELY, REGULAR, NON-WOVEN WIRE SILT FENCE MAY BE USED IF COMBINED WITH EROSION CONTROL BERM, EROSION LOG, OR STRAW WATTLE.
- DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
- SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED AHEAD OF FROZEN GROUND.
- MULCH TO BE APPLIED AT A MINIMUM OF 2 INCHES DEPTH WITH 80-90% COVERAGE.
- AREAS OF DISTURBED SOILS MUST BE STABILIZED PRIOR TO ANY RUNOFF-PRODUCING EVENT, WITH THE FOLLOWING EXCEPTION:
 - STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION WITH NO OUTLET AND A DEPTH OF 2 FT OR GREATER (OPEN UTILITY TRENCHES), PROVIDED THAT ANY DEWATERING, IF NECESSARY, IS CONDUCTED AS REQUIRED.
- PRIOR TO STABILIZATION, SNOW OR ICE MUST BE REMOVED TO LESS THAN 1" THICKNESS.
- USE STONE TO STABILIZE AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED.

11. INSPECTION & MAINTENANCE

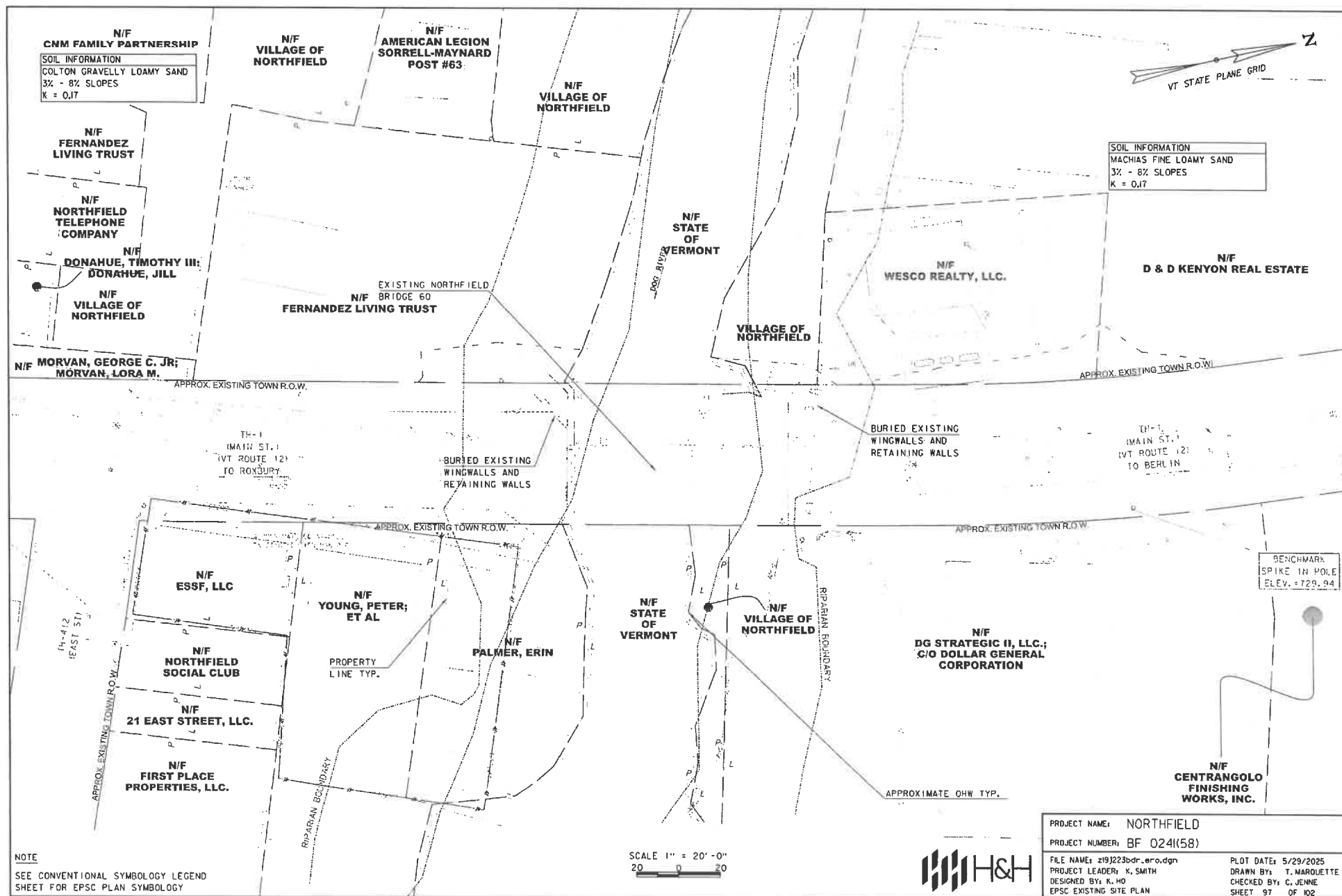
INSPECTION AND MONITORING OF THE PROJECT'S EPSC MEASURES SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD SPECIFICATION 653.04 MONITORING EROSION PREVENTION AND SEDIMENT CONTROL PLAN, ALONG WITH PERMIT SPECIFIC INSPECTION REQUIREMENTS.

THE CONTRACTOR SHALL PROVIDE A COPY OF THEIR INSPECTION FORM AS PART OF THEIR EPSC PLAN.

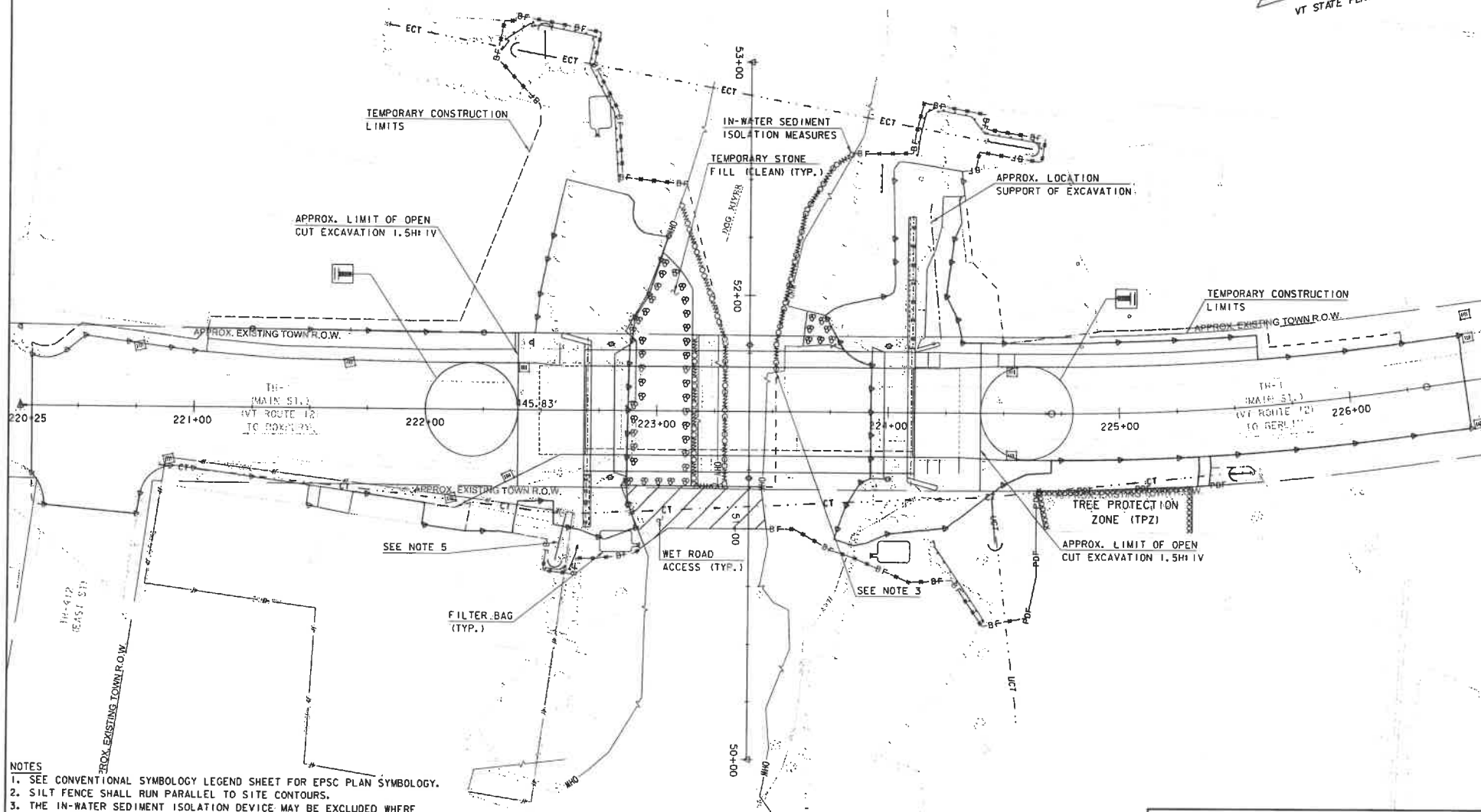
ALL EPSC MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.



PROJECT NAME: NORTHFIELD	
PROJECT NUMBER: BF 0241(58)	
FILE NAME: z:\9\223\epsc.narrative.dgn	PLOT DATE: 5/29/2025
PROJECT LEADER: K. SMITH	DRAWN BY: T. MARQUETTE
DESIGNED BY: K. HO	CHECKED BY: C. JENNE
EPSC NARRATIVE SHEET 2	SHEET 96 OF 102



LEGEND
 WET ROAD



- NOTES
1. SEE CONVENTIONAL SYMBOLGY LEGEND SHEET FOR EPSC PLAN SYMBOLGY.
 2. SILT FENCE SHALL RUN PARALLEL TO SITE CONTOURS.
 3. THE IN-WATER SEDIMENT ISOLATION DEVICE MAY BE EXCLUDED WHERE CONSTRUCTION ACTIVITIES CAN BE COMPLETED ABOVE ORDINARY HIGH WATER.
 4. ALL CONSTRUCTION EQUIPMENT SHALL BE KEPT CLEAN AND WELL MAINTAINED, FREE OF FUEL, HYDRAULIC AND GEAR OIL LEAKS.
 5. STUMPS FROM REMOVED TREES ADJACENT TO 38 NORTH MAIN STREET SHALL BE GROUND. PAYMENT FOR STUMP GRINDING SHALL BE INCIDENTAL TO ITEM 201.1000, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS".

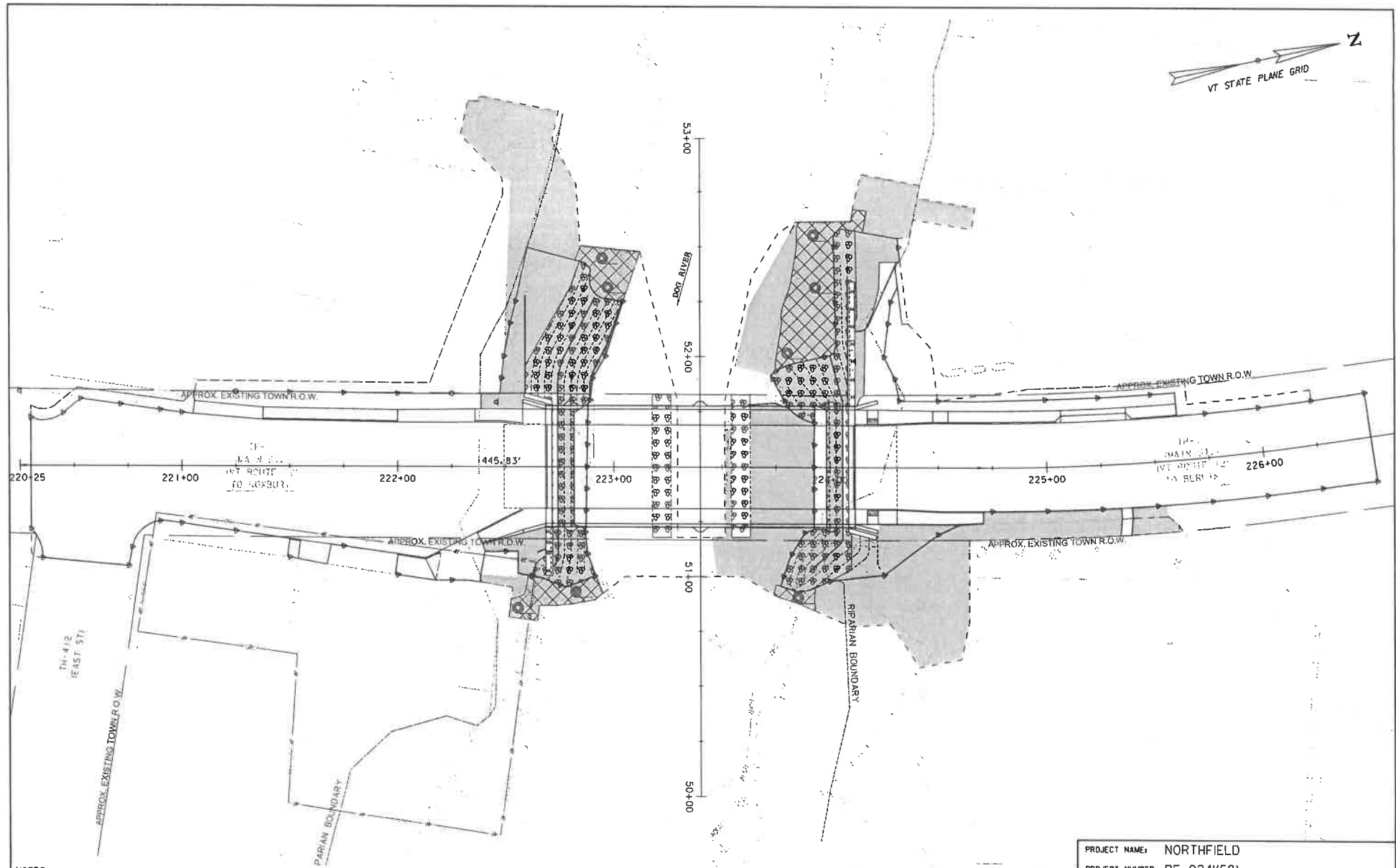
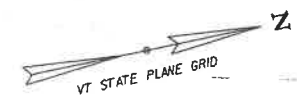
SCALE 1" = 20'-0"




PROJECT NAME: NORTHFIELD
 PROJECT NUMBER: BF 024(58)

FILE NAME: z19\223bdr_era.dgn
 PROJECT LEADER: K. SMITH
 DESIGNED BY: K. HO
 EPSC CONSTRUCTION SITE PLAN

PLOT DATE: 5/29/2025
 DRAWN BY: T. MARQUETTE
 CHECKED BY: C. JENNE
 SHEET 98 OF 102

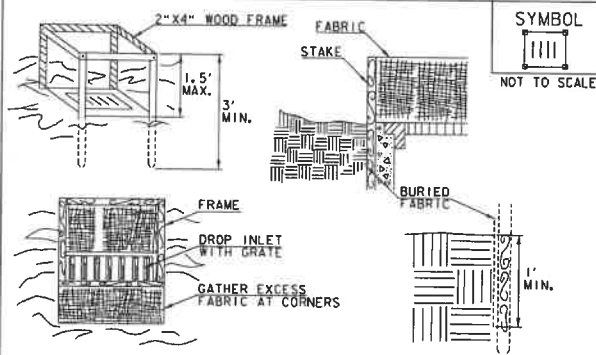


- NOTES
1. SEE CONVENTIONAL SYMBOLGY LEGEND SHEET FOR EPSC PLAN SYMBOLGY.
 2. SEE CROSS SECTIONS FOR PROPOSED CONTOURS.
 3. TOTAL AREA OF DISTURBANCE IS 1.42 ACRES.

SCALE 1" = 20'-0"



PROJECT NAME:	NORTHFIELD	FILE NAME:	219223bdr_ero.dgn	PLOT DATE:	5/29/2025
PROJECT NUMBER:	BF 024(K58)	PROJECT LEADER:	K. SMITH	DRAWN BY:	T. MARQUETTE
		DESIGNED BY:	K. HO	CHECKED BY:	C. JENNE
		EPSC FINAL SITE PLAN		SHEET	99 OF 102



CONSTRUCTION SPECIFICATIONS

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

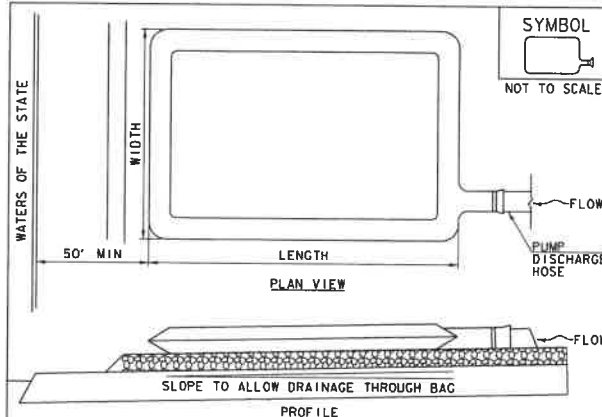
ADAPTED FROM DETAILS PROVIDED BY NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FILTER FABRIC DROP INLET PROTECTION

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 653 FOR INLET PROTECTION DEVICE, TYPE II (PAY
ITEM 653.4000).

REVISIONS
MARCH 7, 2008 WHF
JANUARY 13, 2009 WHF



CONSTRUCTION SPECIFICATIONS

1. THE PRIMARY PURPOSE OF FILTER BAG IS TO RETAIN SILT, SAND, AND FINES DURING DEWATERING OPERATIONS.
2. FILTER BAGS SHALL BE INSTALLED ON A VEGETATED SLOPE GRADED TO ALLOW INCOMING WATER TO FLOW THROUGH THE BAG.
3. FILTER BAGS MAY ALSO BE PLACED ON COARSE AGGREGATE, STONE, OR HAYBALES TO INCREASE FILTRATION EFFICIENCY.
4. FILTER BAGS SHALL BE LOCATED A MINIMUM OF 50' FROM WATERS OF THE STATE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. THE NECK OF THE FILTER BAG SHALL BE STRAPPED TIGHTLY TO THE DISCHARGE HOSE.
6. A FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR ALLOW WATER TO PASS AT A REASONABLE RATE.
7. FILTER BAG SHALL BE DISPOSED OF AS APPROVED IN THE EPSC PLAN OR AS DIRECTED BY THE ENGINEER.

FILTER BAG

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 653 FOR FILTER BAG (PAY ITEM 653.4500) AND AS
SPECIFIED IN THE CONTRACT.

REVISIONS
MARCH 24, 2008 WHF
JANUARY 13, 2009 WHF

VAOT URBAN LAWN MIX						
WEIGHT	BROADCAST	HYDROSEED	NAME	LATIN NAME	GERM	PURITY
42.5%	34	68	CREeping RED FESCUE	FESTUCA RUBRA X RUBRA	85%	98%
20.0%	16	32	PERENNIAL RYE GRASS	LOLIUM PERENNE	90%	95%
32.5%	26	52	KENTUCKY BLUE GRASS	POA PRATENSIS	85%	85%
5.0%	4	8	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	80	160				

GENERAL AMENDMENT GUIDANCE

FERTILIZER	LIME
10/20/10	AG LIME
500 LBS/AC	2 TONS/AC
	1 TONS/AC

CONSTRUCTION GUIDANCE

1. SEED MIX: THE URBAN AREA MIX SHALL NOT BE USED IN WETLANDS OR ANY WATERS OF THE STATE OF VERMONT.
2. SEED MIX: USE ONLY AS INDICATED IN THE PLANS.
3. SEED MIX: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
7. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR
ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 651 FOR SEED (PAY ITEM 651.500)

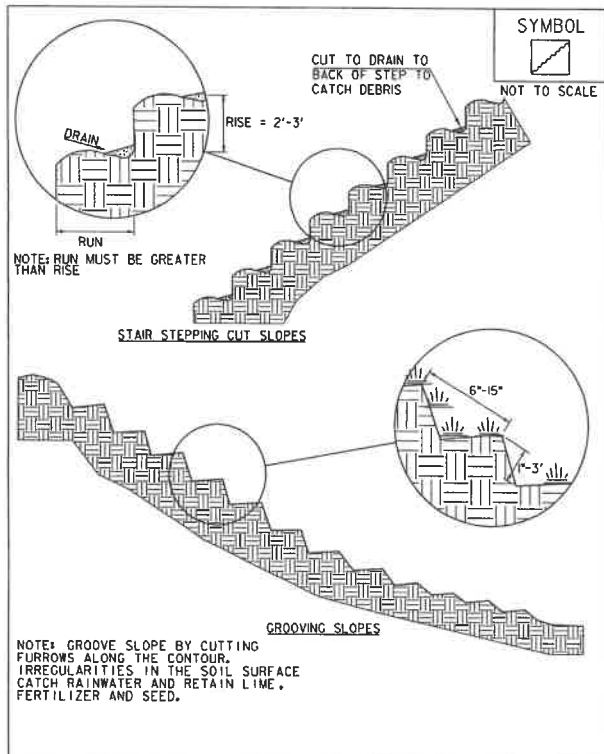
REVISIONS
JANUARY 22, 2015 WHF



PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z19j223apsc.dwg
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
EPSC DETAILS - 1

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 100 OF 102



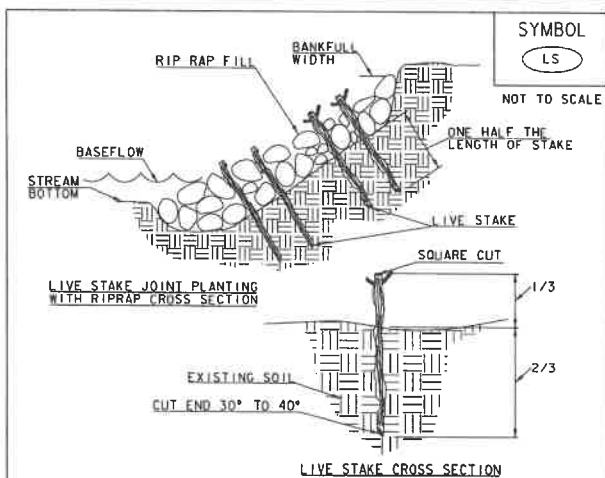
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SURFACE ROUGHENING

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

REVISIONS	
APRIL 4, 2008	WHF
JANUARY 13, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. LENGTH OF STAKE DEPENDS UPON APPLICATION
2. LIVE STAKES SHALL BE CUT TO A POINT ON THE BASAL END FOR INSERTION IN THE GROUND.
3. A DIBBLE, IRON BAR, OR SIMILAR TOOL SHALL BE USED TO MAKE A PILOT HOLE PRIOR TO INSERTING STAKE IN GROUND.
4. A MINIMUM OF 2" TO 4" AS WELL AS 2 LIVE BUDS SHALL BE EXPOSED ABOVE THE GROUND OR RIP RAP.
5. TAMP SOIL AROUND STAKE.
6. CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO STAKE. ANY DAMAGE SHALL BE TRIMMED BACK TO AN UNDAMAGED CONDITION.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

LIVE STAKE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 656 FOR LIVE STAKE (PAY ITEM 656.100)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 27, 2009	WHF



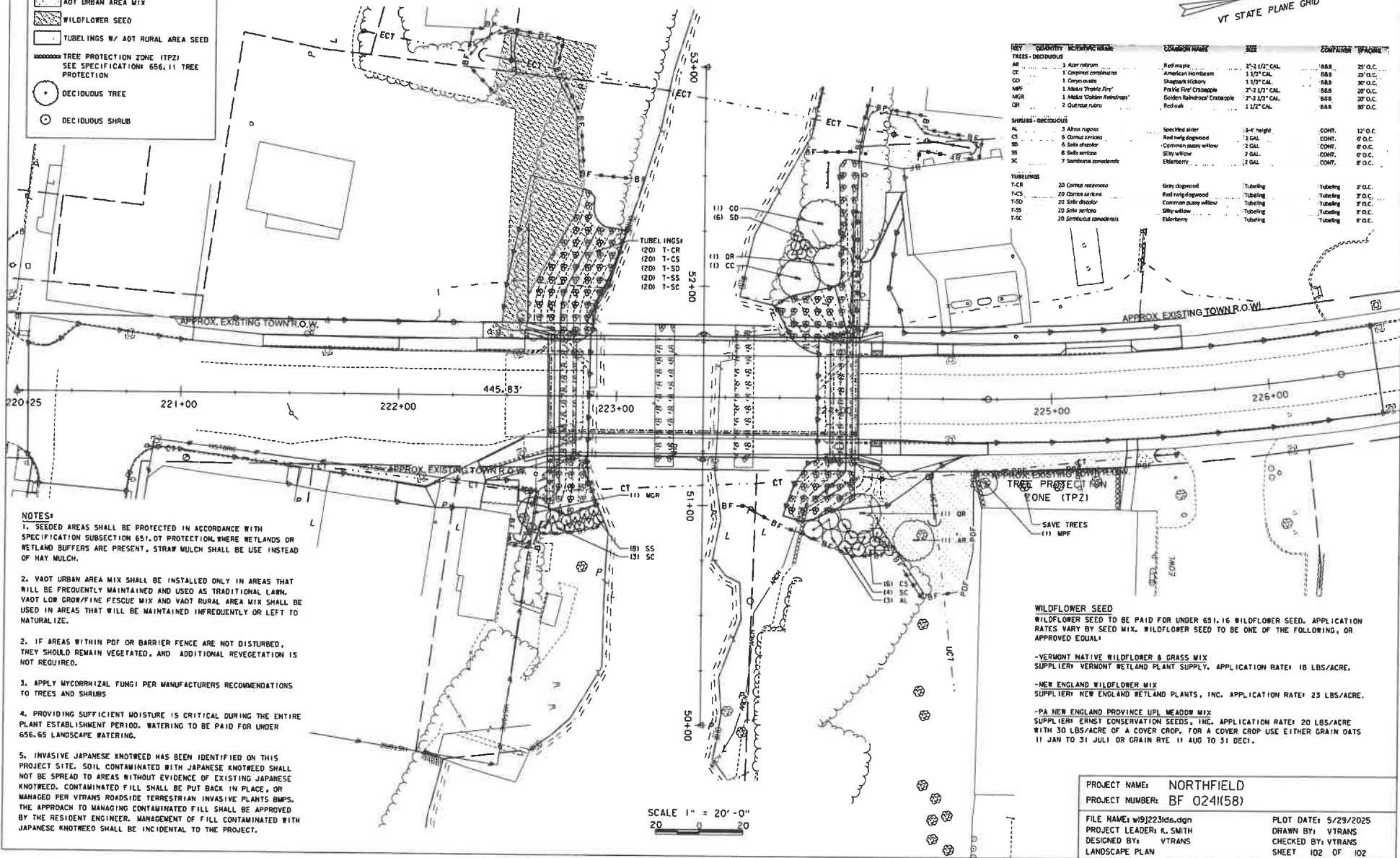
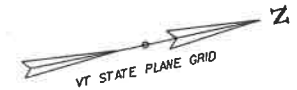
PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(58)

FILE NAME: z9j223epsc.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: K. HO
EPSC DETAILS - 2

PLOT DATE: 5/29/2025
DRAWN BY: T. MARQUETTE
CHECKED BY: C. JENNE
SHEET 101 OF 102

LEGEND:

- AOT RURAL AREA MIX
- AOT URBAN AREA MIX
- WILDFLOWER SEED
- TUBELINGS W/ AOT RURAL AREA SEED
- TREE PROTECTION ZONE (TPZ)
SEE SPECIFICATION 656.11 TREE PROTECTION
- DECIDUOUS TREE
- DECIDUOUS SHRUB



- NOTES:**
1. SEEDED AREAS SHALL BE PROTECTED IN ACCORDANCE WITH SPECIFICATION SUBSECTION 651.07 PROTECTION WHERE WETLANDS OR WETLAND BUFFERS ARE PRESENT, STRAW MULCH SHALL BE USED INSTEAD OF HAY MULCH.
 2. VAOOT URBAN AREA MIX SHALL BE INSTALLED ONLY IN AREAS THAT WILL BE FREQUENTLY MAINTAINED AND USED AS TRADITIONAL LAWN. VAOOT LOW GROW/FINE FESCUE MIX AND VAOOT RURAL AREA MIX SHALL BE USED IN AREAS THAT WILL BE MAINTAINED INFREQUENTLY OR LEFT TO NATURALIZE.
 3. IF AREAS WITHIN PDF OR BARRIER FENCE ARE NOT DISTURBED, THEY SHOULD REMAIN VEGETATED, AND ADDITIONAL VEGETATION IS NOT REQUIRED.
 4. APPLY MYCORRHIZAL FUNGI PER MANUFACTURERS RECOMMENDATIONS TO TREES AND SHRUBS
 5. PROVIDING SUFFICIENT MOISTURE IS CRITICAL DURING THE ENTIRE PLANT ESTABLISHMENT PERIOD. WATERING TO BE PAID FOR UNDER 656.65 LANDSCAPE WATERING.
 6. INVASIVE JAPANESE KNOTWEED HAS BEEN IDENTIFIED ON THIS PROJECT SITE. SOIL CONTAMINATED WITH JAPANESE KNOTWEED SHALL NOT BE SPREAD TO AREAS WITHOUT EVIDENCE OF EXISTING JAPANESE KNOTWEED. CONTAMINATED FILL SHALL BE PUT BACK IN PLACE, OR MANAGED PER VTTRANS ROADSIDE TERRESTRIAN INVASIVE PLANTS BMPs. THE APPROACH TO MANAGING CONTAMINATED FILL SHALL BE APPROVED BY THE RESIDENT ENGINEER. MANAGEMENT OF FILL CONTAMINATED WITH JAPANESE KNOTWEED SHALL BE INCIDENTAL TO THE PROJECT.

SCALE 1" = 20'-0"

KEY	QUANTITY	DESCRIPTION	COMMON NAME	SIZE	COMPARISON	SPACING
TREES - DECIDUOUS						
AR	3	Acer rubrum	Red maple	2"-3 1/2" CAL	88.8	20' O.C.
CC	1	Cornus copallina	American Hornbeam	1 1/2" CAL	88.8	20' O.C.
CO	1	Corylus ovata	Shagbark Hickory	1 1/2" CAL	88.8	30' O.C.
MPF	1	Malus 'Empire'	Empire Crabapple	2"-3 1/2" CAL	88.8	20' O.C.
MGR	1	Malus 'Golden Raindrops'	Golden Raindrops Crabapple	2"-3 1/2" CAL	88.8	20' O.C.
OR	2	Quercus rubra	Red oak	1 1/2" CAL	88.8	30' O.C.
SHRUBS - DECIDUOUS						
AL	2	Ailanthus rugosa	Spectled alder	3'-4' height	CONT.	12' O.C.
CS	6	Cornus sericea	Red twig dogwood	2 GAL	CONT.	6' O.C.
SD	6	Salix discolor	Common gray willow	2 GAL	CONT.	6' O.C.
SS	6	Salix sericea	Silky willow	2 GAL	CONT.	6' O.C.
SC	7	Sambucus canadensis	Elderberry	2 GAL	CONT.	8' O.C.
TUBELINGS						
T-CR	20	Cornus rostrata	Gray dogwood	Tubeling	Tubeling	3' O.C.
T-CS	20	Cornus sericea	Red twig dogwood	Tubeling	Tubeling	3' O.C.
T-SD	20	Salix discolor	Common gray willow	Tubeling	Tubeling	3' O.C.
T-SS	20	Salix sericea	Silky willow	Tubeling	Tubeling	3' O.C.
T-SC	20	Sambucus canadensis	Elderberry	Tubeling	Tubeling	3' O.C.

WILDFLOWER SEED
WILDFLOWER SEED TO BE PAID FOR UNDER 651.16 WILDFLOWER SEED. APPLICATION RATES VARY BY SEED MIX. WILDFLOWER SEED TO BE ONE OF THE FOLLOWING, OR APPROVED EQUAL:

- VERMONT NATIVE WILDFLOWER & GRASS MIX
SUPPLIER: VERMONT WETLAND PLANT SUPPLY. APPLICATION RATE: 10 LBS/ACRE.
- NEW ENGLAND WILDFLOWER MIX
SUPPLIER: NEW ENGLAND WETLAND PLANTS, INC. APPLICATION RATE: 23 LBS/ACRE.
- PA NEW ENGLAND PROVINCE UPL MEADOW MIX
SUPPLIER: ERNST CONSERVATION SEEDS, INC. APPLICATION RATE: 20 LBS/ACRE WITH 30 LBS/ACRE OF A COVER CROP. FOR A COVER CROP USE EITHER GRAIN OATS 11 JAN TO 31 JULI OR GRAIN RYE 11 AUG TO 31 DEC.

PROJECT NAME: NORTHFIELD
PROJECT NUMBER: BF 024(158)

FILE NAME: w19j223lde.dgn
PROJECT LEADER: K. SMITH
DESIGNED BY: VTTRANS
LANDSCAPE PLAN

PLOT DATE: 5/29/2025
DRAWN BY: VTTRANS
CHECKED BY: VTTRANS
SHEET 102 OF 102

**TOWN OF NORTHFIELD, VERMONT
SELECT BOARD REGULAR MEETING
Minutes of July 22, 2025**

- I. ROLL CALL.** Chair Charles Morse, Board members K. David Maxwell, Lydia Petty, Merry Shernock (absent), and John Stevens. Also present were Manager Jeff Schulz, Acting Clerk Kenneth McCann, Pierre Gomez (Northfield Police Chief), Ron Tucker (RE Tucker, Inc.), Sherrie Tucker (RE Tucker, Inc.), Anne Donahue (Vermont State Representative), Tim Swartz (Accessibility, Walkability, and Pedestrian Safety [AWPS] Task Force), Dan Anderson (AWPS Task Force), Mary Nadon Scott (AWPS Task Force), DeLane McIlvene (AWPS Task Force), Janan Hamm (AWPS Task Force), Bill Clements (AWPS Task Force), Royal DeLegge (Chair, Planning Commission), Jeremy Whalen (Chair, Town Forest Stewardship Committee), Gerard LaVarnway, Lorna Doney, Don Doyon, Susan Stillinger, Laura Hill-Eubanks, Carolyn Stevens, Pam Ricker, and Elroy C. Hill.

Chair Morse called the meeting to order at 7:00 p.m.

- II. SET/ADJUST AGENDA. (7:02 p.m.)** Chair Morse said Gary Laroche from the Vermont Agency of Transportation (VTrans) was to address the Select Board members tonight about the Main Street Bridge Replacement Project but had to postpone his presentation for another time. He did email this afternoon and reported that the original cost estimate for this project (\$8,000,000) has now increased to \$11,500,000. The municipality must pay five percent (5%) of this as a local match amount so there will need to be a discussion at the next budget meetings regarding how to pay for this.

III. PUBLIC PARTICIPATION (SCHEDULED):

- a. Ron Tucker & Sherrie Tucker, RE Tucker, Inc.: Availability of Tucker Sand Pit for Municipal Purchase. (7:03 p.m.)** Chair Morse said R.E. Tucker, Inc. has sold road material to the Northfield Highway Department for several years. They have a sand pit located off Vermont Route 12A that they are willing to sell to the municipality with an estimated 100,000 cubic yards of road material. Mr. Tucker said they want to sell the sand pit due to increasing business permitting costs as well as higher shared costs for maintaining a railroad bridge on the property. Mr. Tucker felt the municipality should be able to handle both these costs better due to less stringent permitting rules for municipalities and the possibility of obtaining grant funds for railroad bridge maintenance. It also might be possible to create a public road running through the site to lower the bridge maintenance costs. The Tuckers have an initial sale price of \$600,000 for the sand pit and Mr. Tucker said it should provide a lifetime of sand and gravel for the community. He also noted that it has become more difficult in recent years for Vermont highway departments to obtain acceptable road materials. Board member Stevens asked if the sale price included the railroad bridge. Mr. Tucker confirmed that it did and noted that there is a migrating right-of-way for a property located above the sand pit. The municipality would need to maintain the roadway for the property owner once the right-of-way has been established. Chair Morse said this matter would need to be investigated further by the Select Board members (perhaps by the Highway Subcommittee?) before they can enter into negotiations with the Tuckers regarding the sale price, etc. Mr. Tucker fully understands this and said this was just a preliminary outreach to determine if there is any municipal interest in a possible sale. Chair Morse said the municipality would need to conduct a cost-benefit analysis (CBA) as it probably would need to borrow funds to complete the purchase. Mr. Tucker will provide the Select Board members with all the information they will require to make this decision. There had been earlier negotiations with the Town of Braintree to purchase the sand pit and that documentation will be provided as well. Mr. Tucker hopes that once all the relevant information has been provided, a site visit can be scheduled as part of the negotiation process. Chair Morse then thanked the Tuckers for bringing forward this proposal and said the Select Board members will remain in touch.
- b. Anne Donahue, Vermont State Representative: Habitat for Humanity. (7:27 p.m.)** Ms. Donahue said she was not here as a state representative tonight but rather as Interim Chair for a Habitat for Humanity committee that is working on a proposal to build a duplex building that would provide two (2) Northfield families with affordable housing. The location would be the vacant lot at the intersection of North Main Street and Dogwood Glen Drive. Ms. Donahue said the RFPs for this project have already been distributed and there will be a community meeting held this fall in order to fully describe the project. Her committee will be holding a meeting tomorrow night where they will finalize the flyer for this community meeting. Ms. Donahue added that Northfield Economic Development Director (EDD) Town Davis has attended several of their past meetings and has been of great assistance.

Board member Maxwell asked if there are eligibility criteria for the new homeowners. Ms. Donahue said the committee would determine eligibility and a major factor is whether the new homeowners would be able to make their mortgage payments. In addition, one of the families must be headed by a veteran. Board member Petty thanked Ms. Donahue and the other Habitat for Humanity committee members for working on this project.

- c. **Tim Swartz, Accessibility, Walkability, and Pedestrian Safety Task Force: Pedestrian Safety Improvements (Warning Signs, Roadside Trimming, etc.). (7:36 p.m.)** Mr. Swartz said he and the other AWPS Task Force members have been on the lookout for locations in the community that present pedestrian safety hazards. They have identified a few locations including near the new flashing crosswalk sign in Northfield Falls. Mr. Swartz felt drivers travelling southward towards the crosswalk don't see the new crosswalk sign until it is too late because of the sharp curve north of the crosswalk. Therefore, it would be very helpful to have a warning sign installed further north of the crosswalk approach. In addition, there are some areas where roadside bushes, shrubs, and tree branches need to be trimmed in order to create greater visibility for pedestrian crossings, road signs, etc. Mr. Swartz will provide a full list of these locations to Manager Schulz and the Select Board members. Manager Schulz said he has contacted VTrans about the need to make the Northfield Falls crosswalk more visible and also is working with them to improve road drainage in the area. He noted, however, that working with VTrans usually includes some delay before the requested work is actually completed. Bill Clements also is concerned about pedestrian safety when detours are put in place for the Main Street Bridge Replacement project scheduled for next year. He had hoped to ask Mr. Laroche about this as he has concerns about the diversion of traffic mostly along Water Street while the bridge is closed. This is a heavy traffic area and he had hoped to see some significant pedestrian safety measures installed that might include temporary traffic lights, etc. Mr. Clements said the AWPS Task Force members will be watching for any developments regarding pedestrian safety as the bridge replacement project develops. Chair Morse noted that an early decision was to bar heavy tractor trailers from the traffic detours along Wall Street, Water Street, etc. He does agree that more needs to be done to ensure pedestrian safety during this project. Manager Schulz said VTrans has submitted its final project plans and these do include improved pedestrian safety measures that include barricades, etc. Chair Morse feels there will need to be a full discussion with VTrans representatives about this matter. He then thanked Mr. Swartz and the other AWPS Task Force members for bringing their concerns to the attention of the Select Board members.
- d. **Royal DeLegge, Planning Commission Chair: Town Forest Zoning Issues. (7:55 p.m.)** Mr. DeLegge said that the Planning Commission (PC) members worked last year on updating the local zoning regulations to make them fully compliant with new state laws and more user-friendly. Since then, the PC members have been working on additional upgrades that included addressing public concerns that the current zoning regulations do not provide sufficient protection from future development for the Town Forest. The PC members have looked at several options such as further revising the zoning regulations, establishing conservation easements for some or all of the Town Forest, etc. They recently have focused on defining a "Forest Reserve Overlay District." The purpose of a this district "is to produce wood products, maintain wildlife habitat, protect water supplies, and provide forest recreation and conservation education. Within the Forest Reserve Overlay District, permitted uses include sustainable commercial forestry and related uses, and all other land development is prohibited." Mr. DeLegge said he and the other PC members wanted to learn how the Select Board members would feel about this course of action before proceeding further. Board member Petty thanked the PC members for working on this as she feels (along with many Northfield residents) that protection of the Town Forest is a very important concern. She asked if Cheney Field would be included in this district. Mr. DeLegge said they only have a preliminary map of the area to be included in this district. The boundaries of the district can be changed very easily if requested. This is what makes a Forest Reserve Overlay District very different from an easement, which is very difficult to adjust once it has been adopted. Board member Maxwell also thanked Mr. DeLegge and the PC members for the work they have done on this to date. He added that his chief concern regarding Town Forest protection is to make sure that the water supply on Cheney Field is not impeded by any new land use restrictions. Mr. DeLegge said there would be no problem in excluding Cheney Field from the new district. Chair Morse asked if there has been any PC discussion of establishing an overall easement for the Town Forest. Mr. DeLegge said that possibility has not been a part of their recent conversations.

Chair Morse said he has heard some public views expressed by Northfield Farmers Market patrons stating support for establishing easements for the Town Forest that would ban any future development forever. He then added that the Northfield Conservation Commission (NCC) will be meeting tomorrow night and one agenda item focuses on the future of Cheney Field. Chair Morse then thanked Mr. DeLegge for the valuable information provided tonight.

IV. APPROVAL OF MINUTES

- a. **July 8, 2025 (Regular Meeting). (8:07 p.m.)** Motion by Board member Maxwell, seconded by Board member Stevens, to approve the minutes. Chair Morse requested a minor wording revision. **Motion passed 3-0-1, with Board member Petty abstaining.**
- b. **July 11, 2025 (Special Meeting). (8:09 p.m.)** Motion by Board member Stevens, seconded by Board member Maxwell, to approve the minutes. **Motion passed 4-0-0.**
- c. **July 15, 2025 (Special Meeting). (8:10 p.m.)** Motion by Board member Stevens, seconded by Board member Petty, to approve the minutes. **Motion passed 3-0-1, with Board member Maxwell abstaining.**

V. APPROVAL OF BILLS

- a. **Approval of Warrant #02-26. (8:12 p.m.)** Prior to the motion for warrant approval, Chair Morse asked that the invoice submitted by Queen City P.I. be removed from the warrant. This would reduce the warrant amount by \$11,889.80. There was no objection. Motion by Board member Maxwell, seconded by Board member Stevens, to approve Warrant #02-26 in the amount of \$635,448.91. Board member Stevens noted that the allocation for the Brown Public Library was incorrect. It should be \$11,000 and not \$9,334. Manager Schulz said this would be corrected on the next warrant. **Motion passed 4-0-0.**
- b. **Receipt of Biweekly Payroll through July 6, 2025. (8:20 p.m.)** Motion by Board member Stevens, seconded by Board member Maxwell, to receive the biweekly payroll in the amount of \$117,300.71. **Motion passed 4-0-0.**

VI. SELECT BOARD

- a. **Board of Listers Appointment. (8:21 p.m.)** Motion by Board member Stevens, seconded by Board member Petty, to appoint Alexandria Najdych to fill the vacancy on the Board of Listers. **Motion passed 4-0-0.**
- b. **Ethics Training Requirements for Municipal Officers. (8:22 p.m.)** Chair Morse said there is a new state requirement that certain municipal officers and board members must complete online ethics training. The deadline for completing the initial training course is September 25, 2025 and he felt those persons affected by this requirement should be contacted by letter to inform them of this. Board member Petty noted that there is a limited number of town officials and board members affected by this requirement. The Vermont League of Cities & Towns (VLCT) website has a good list of the municipal officials that fall under this requirement.

VII. TOWN MANAGER'S REPORT

- a. **Main Street Water Line and Cheney Farm Tank Replacement Projects. (8:26 p.m.)** Manager Schulz said the water line project is progressing well and remains on schedule. The work on Prospect Street will be starting soon and he will post notices on local social media so residents are kept aware of the work schedule. The old reservoir tanks on Cheney Farm have been removed from the site and the new water tank will be installed in coming weeks.
- b. **Vine Street Sidewalk Project. (8:26 p.m.)** Manager Schulz said this project also remains on schedule for completion by August 1, 2025.
- c. **Property Tax Sale. (8:26 p.m.)** Manager Schulz said there are now about fifteen (15) properties that have accumulated at least two (2) years of delinquent taxes. That makes them subject to tax sale. Manager Schulz will be working with the property owners to see if full or partial payments can be made to keep them out of the tax sale. The tax sale is now scheduled for the end of September 2025.
- d. **Street Sign Replacement (8:26 p.m.)** Manager Schulz said a good number of street signs have been damaged or stolen recently. The missing signs will be replaced as soon as possible. Board member Maxwell said there are traffic sign locks that discourage, if not fully prevent, these type of thefts.

- e. **New Accounting Department Bookkeeper. (8:27 p.m.)** Manager Schulz announced that Kristin Paya has been hired to replace retired bookkeeper Deb O'Grady. Ms. Paya will start work on Monday, August 4, 2025.

VIII. BOARD MEMBERS' COMMENTS, CONCERNS, QUESTIONS

- a. **Main Street Repaving. (8:29 p.m.)** Board member Maxwell asked how much of Main Street will be repaved after the water line project has been completed. Manager Schulz said the area south of the Main Street Bridge to South Street will be fully repaved. Other areas will be patched and the whole street is scheduled for full repaving in about five (5) years.
- b. **Improved Public Notification. (8:34 p.m.)** Board member Petty believes there needs to be better communication with the public regarding the water line project as to when residents' water source is switched over to a temporary line, etc. Manager Schulz said there have been a few occasions when the contractor didn't inform him before making these switchovers. Board member Petty would like additional social media postings about the project so there are no future surprises.
- c. **VLCT Compensation Study. (8:36 p.m.)** Board member Petty asked if Northfield participates in the annual VLCT compensation study. Manager Schulz said it does and free copies of the completed study are provided to participating municipalities.
- d. **Central Vermont Select Board Member Meeting. (8:38 p.m.)** Board member Petty attended the meeting of Central Vermont Select Board members hosted by VLCT and the Central Vermont Regional Planning Commission (CVRPC). There was much information provided and she is glad that Northfield doesn't have the same financial problems as those communities that have suffered significant summer storm damage in recent years.
- e. **Vermont Youth Conservation Corps (VYCC). (8:39 p.m.)** Board member Petty noted the VYCC members have done considerable trail work in the Town Forest recently. Town Forest Stewardship Committee (TFSC) Chair Jeremy Whalen said some work still needs to be done on the Garvey Hill trails located near the public schools.
- f. **Clark Road Public Health Problems. (8:40 p.m.)** Board member Stevens asked about the current status of this public health concern. Manager Schulz said the municipality went to the environmental court and the people living in a structure without a septic hookup were required to vacate the property. The structure still remains unoccupied. The property owner was fined \$10,000 for allowing the situation to deteriorate. The funds have not yet been collected so the municipality might have to return to the environmental court for relief.
- g. **Crosswalk Painting. (8:46 p.m.)** Board member Stevens asked when the crosswalk painting would begin. Manager Schulz said the new contractor said it would start next week. He had hired a different contractor in early spring to get the job done sooner but that contractor subsequently went out of business. There will be some crosswalks in the water line project area that will not be repainted at this time.
- h. **Vine Street Pedestrian Bridge. (8:48 p.m.)** Board member Stevens asked about the planned repairs for this footbridge. Manager Schulz said Daniels Construction will be providing an inspection and repair quotes in the next few weeks.
- i. **Slaughterhouse Road Covered Bridge. (8:49 p.m.)** Chair Morse has heard complaints from residents living on Slaughterhouse Road above the bridge that the maximum weight limit currently listed for the bridge (6,000 lbs.) is too low. Some want to move hay loads across the bridge that would be in excess of the current weight limit. VTrans will be reevaluating the bridge soon and that should eliminate any confusion.

IX. PUBLIC PARTICIPATION (UNSCHEDULED). There was none.

- X. **ADJOURNMENT.** Motion by Board member Stevens, seconded by Board member Maxwell, to adjourn. **Motion passed 4-0-0.**

The Board adjourned at 8:50 p.m.

Respectfully submitted,

Kenneth L. McCann

Kenneth L. McCann, Acting Clerk

A video recording of this meeting is available at: <https://youtu.be/LBWHuLDDCbI>

These minutes are subject to approval at the next Select Board regular meeting.

TOWN OF NORTHFIELD

THE UNDERSIGNED HEREBY AUTHORIZE THE EXPENDITURES LISTED
HEREIN, ACCORDING TO THE LAWS OF THE STATE OF VERMONT.

DISBURSEMENT DATE: 08/15/25 WARRANT 03-26, 03-26A-F

NORTHFIELD TOWN SELECT BOARD

K. DAVID MAXWELL _____

CHARLIE MORSE, Chair _____

LYDIA PETTY _____

MERRY SHERNOCK, Vice Chair _____

JOHN B. STEVENS _____

JEFFREY SCHULZ, Manager _____

TOWN GENERAL	<u>96,594.00</u>	ELECTRIC FUND	<u>269,529.31</u>
MUNICIPAL PLANNING GRANT	_____	WATER FUND	<u>9,571.47</u>
FLOOD BUYOUT GRANT	_____	SEWER FUND	<u>41,561.58</u>
COMMON FUND	_____		
COMMUNITY DEVELOPMENT FUND	_____		
ARPA FUND	_____		
TOWN CIP	<u>99,583.91</u>		
AMBULANCE DONATION FUND	_____		
FIRE DONATION FUND	_____		
RECREATION COMMITTEE FUND	_____		
POOL DONATION FUND	_____		
CONSERVATION FUND	_____		
POLICE DONATION FUND	_____		
ENERGY COMMITTEE DONATION FUND	_____		
AGENCY FUND	_____		
SUBTOTAL	<u>\$196,177.91</u>	SUBTOTAL	<u>\$320,662.36</u>
GRAND TOTAL		<u>\$516,840.27</u>	

YEAR/PERIOD: 2025/1 TO 2026/2

ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10000							TOWN GEN - BALANCE SHEET
10000	01340						UNUSED POSTAGE INVENTORY
040191	NEOPOST-NEOFUNDS	86411	0	2025 12 INV A	1,500.00	03-26	6/25/25 POSTAGE
	INVOICE:			FULL DESC: 6/25/25 POSTAGE			
040191	NEOPOST-NEOFUNDS	86527	0	2026 2 INV A	1,500.00	03-26	JUL 25,2025POSTAGE
	INVOICE:			FULL DESC: JUL 25,2025POSTAGE			

					3,000.00		
					ACCOUNT TOTAL	3,000.00	
10000	02015						PARK DEPOSIT PAYABLE
011028	ALLEN, ANGELA	86440	0	2026 2 INV A	75.00	03-26	7/19 PK DEPOSIT REF
	INVOICE:			FULL DESC: 7/19 PK DEPOSIT REFUND-PICNIC			
					ACCOUNT TOTAL	75.00	
				ORG 10000	TOTAL	3,075.00	
10130							TOWN MANAGER
10130	07010						TELEPHONE
010495	VERIZON WIRELESS	86581	0	2026 2 INV A	25.67	03-26	6/17-7/16 CELL PHON
	INVOICE: 6118698477			FULL DESC: 6/17-7/16 CELL PHONE			
042768	TDS TELECOM	86571	0	2026 2 INV A	67.27	03-26	8/4-PHONE 802485541
	INVOICE:			FULL DESC: 8/4-PHONE 8024855411			
					ACCOUNT TOTAL	92.94	
10130	07020						POSTAGE
042896	NFLD TOWN GEN FUND	86511	0	2026 2 INV A	88.29	03-26	JUL 25 POSTAGE
	INVOICE:			FULL DESC: JUL 25 POSTAGE			
					ACCOUNT TOTAL	88.29	
10130	07050						OFFICE SUPPLIES
035892	MAGEE OFFICE PLUS	86471	0	2026 2 INV A	59.33	03-26	6 CASES 8.5X11 COPY
	INVOICE:			FULL DESC: 6 CASES 8.5X11 COPY PAPER			
055824	TRANS-VIDEO	86575	0	2026 2 INV A	14.17	03-26	AUG25 INTERNET MUN
	INVOICE:			FULL DESC: AUG25 INTERNET MUN BLD			
					ACCOUNT TOTAL	73.50	
				ORG 10130	TOTAL	254.73	
10140							TOWN CLERK/TREASURER
10140	06220						MAINTENANCE CONTRACTS
054400	SYMQUEST GROUP INC.	86568	0	2026 2 INV A	25.25	03-26	7/25-8/24 PRINTER C
	INVOICE: 2018290			FULL DESC: 7/25-8/24 PRINTER CONTRACT			
					ACCOUNT TOTAL	25.25	

08/07/2025 11:17 | TOWN OF NORTHFIELD
tlaw | INVOICE LIST BY GL ACCOUNT

| P 2
| apinv gla

YEAR/PERIOD: 2025/1 TO 2026/2

ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10140 07010							TELEPHONE
042768 TDS TELECOM	86571	0	2026	2 INV A	69.91 03-26		8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411				
		ACCOUNT TOTAL			69.91		
10140 07020							POSTAGE
042896 NFLD TOWN GEN FUND	86511	0	2026	2 INV A	1,357.98 03-26		JUL 25 POSTAGE
INVOICE:		FULL DESC:	JUL 25 POSTAGE				
		ACCOUNT TOTAL			1,357.98		
10140 07050							OFFICE SUPPLIES
035892 MAGEE OFFICE PLUS	86471	0	2026	2 INV A	52.50 03-26		6 CASES 8.5X11 COPY
INVOICE:		FULL DESC:	6 CASES 8.5X11 COPY PAPER				
055824 TRANS-VIDEO	86575	0	2026	2 INV A	25.07 03-26		AUG25 INTERNET MUN
INVOICE:		FULL DESC:	AUG25 INTERNET MUN BLD				
		ACCOUNT TOTAL			77.57		
10140 07070							DUES/MEETINGS/SUBSCRIPTIONS
057880 VMCTA	86585	0	2026	2 INV A	45.00 03-26		MEMBERSHIP DUES-J D
INVOICE:		FULL DESC:	MEMBERSHIP DUES-J DONEY				
		ACCOUNT TOTAL			45.00		
		ORG 10140	TOTAL		1,575.71		
10230							ACCOUNTING
10230 06010							PROFESSIONAL SERVICES
013521 LAURIE A BAROFFIO	86466	0	2026	2 INV A	2,700.00 03-26		ACCTING/CONSULTING
INVOICE: 103		FULL DESC:	ACCTING/CONSULTING 7/28-8/03				
013521 LAURIE A BAROFFIO	86467	0	2026	2 INV A	7,830.00 03-26		ACCTING/CONSULTING
INVOICE: 102		FULL DESC:	ACCTING/CONSULTING 7/14-7/27				

					10,530.00		
		ACCOUNT TOTAL			10,530.00		
10230 06220							MAINTENANCE CONTRACTS
054400 SYMQUEST GROUP INC.	86568	0	2026	2 INV A	57.22 03-26		7/25-8/24 PRINTER C
INVOICE: 2018290		FULL DESC:	7/25-8/24 PRINTER CONTRACT				
		ACCOUNT TOTAL			57.22		
10230 07010							TELEPHONE
042768 TDS TELECOM	86571	0	2026	2 INV A	103.35 03-26		8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411				
		ACCOUNT TOTAL			103.35		


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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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10320			FIRE DEPARTMENT					
10320	07010		TELEPHONE					
010495	VERIZON WIRELESS	86581	0	2026	2 INV A	20.22	03-26	6/17-7/16 CELL PHON
	INVOICE: 6118698477		FULL DESC:	6/17-7/16	CELL PHONE			

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
042768 TDS TELECOM	86571	0	2026	2 INV A	38.12	03-26	8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411				
		ACCOUNT TOTAL			58.34		
10320 08013				ELECTRIC-SOLAR			
052905 SENIOR RENEWABLES, L 86539		0	2026	2 INV A	101.87	03-26	BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC:	BULLRUN SOLAR-JULY				
		ACCOUNT TOTAL			101.87		
10320 08030				WATER			
043552 NORTHFIELD	86513	0	2026	2 INV A	28.03	03-26	7/18-FIRE STATION
INVOICE:		FULL DESC:	7/18-FIRE STATION				
		ACCOUNT TOTAL			28.03		
10320 08050				SEWER			
043552 NORTHFIELD	86513	0	2026	2 INV A	29.02	03-26	7/18-FIRE STATION
INVOICE:		FULL DESC:	7/18-FIRE STATION				
		ACCOUNT TOTAL			29.02		
10320 08070				GASOLINE/DIESEL			
028560 GILLESPIE FUELS	86377	0	2025	12 INV A	57.82	03-26	21.9 GALS DIESEL 6/
INVOICE:		FULL DESC:	21.9 GALS DIESEL 6/5 FD				
028560 GILLESPIE FUELS	86378	0	2025	12 INV A	41.45	03-26	15.7 GALS DIESEL 6/
INVOICE:		FULL DESC:	15.7 GALS DIESEL 6/9 FD				
					99.27		
		ACCOUNT TOTAL			99.27		
		ORG 10320	TOTAL		316.53		
10330				POLICE DEPARTMENT			
10330 06090				JANITORIAL SERVICES			
053855 SPOTLESS CLEANING	86563	0	2026	2 INV A	200.00	03-26	6/29-7/5 CLEANING S
INVOICE:		FULL DESC:	6/29-7/5 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86564	0	2026	2 INV A	200.00	03-26	7/6-7/12 CLEANING S
INVOICE:		FULL DESC:	7/6-7/12 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86565	0	2026	2 INV A	200.00	03-26	7/13-7/19 CLEANING
INVOICE:		FULL DESC:	7/13-7/19 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86566	0	2026	2 INV A	200.00	03-26	7/20-7/26 CLEANING
INVOICE:		FULL DESC:	7/20-7/26 CLEANING SRVCS				
					800.00		
		ACCOUNT TOTAL			800.00		
10330 06220				MAINTENANCE CONTRACTS			

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

016370 CANON SOLUTIONS AMER	86359		0	2025 12	INV	A	97.17	03-26	4/26-7/25 COPIER-PD
INVOICE: 6012714486		FULL DESC:	4/26-7/25 COPIER-PD						
054400 SYMQUEST GROUP INC.	86419		0	2025 12	INV	A	1,566.00	03-26	JUNE25 SERVER LICEN
INVOICE: 2011948		FULL DESC:	JUNE25 SERVER LICENSE PD						
054400 SYMQUEST GROUP INC.	86567		0	2026 2	INV	A	2,160.00	03-26	OFFICE 365-PD 5/25-
INVOICE: 2011947		FULL DESC:	OFFICE 365-PD 5/25-5/26						
							3,726.00		
		ACCOUNT TOTAL					3,823.17		
10330 06391				STATE OF VT RECORDS MGMNT					
055824 TRANS-VIDEO	86576		0	2026 2	INV	A	237.98	03-26	AUG25 INTERNET PD
INVOICE:		FULL DESC:	AUG25 INTERNET PD						
		ACCOUNT TOTAL					237.98		
10330 07010				TELEPHONE					
010495 VERIZON WIRELESS	86581		0	2026 2	INV	A	321.86	03-26	6/17-7/16 CELL PHON
INVOICE: 6118698477		FULL DESC:	6/17-7/16 CELL PHONE						
028854 GOMEZ, PIERRE	86462		0	2026 2	INV	A	75.00	03-26	AUG 25 CELL PHONE
INVOICE:		FULL DESC:	AUG 25 CELL PHONE						
042768 TDS TELECOM	86571		0	2026 2	INV	A	378.63	03-26	8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411						
		ACCOUNT TOTAL					775.49		
10330 07020				POSTAGE					
042896 NFLD TOWN GEN FUND	86511		0	2026 2	INV	A	19.41	03-26	JUL 25 POSTAGE
INVOICE:		FULL DESC:	JUL 25 POSTAGE						
		ACCOUNT TOTAL					19.41		
10330 08013				ELECTRIC-SOLAR					
052905 SENIOR RENEWABLES, L	86539		0	2026 2	INV	A	283.07	03-26	BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC:	BULLRUN SOLAR-JULY						
		ACCOUNT TOTAL					283.07		
10330 08030				WATER					
043552 NORTHFIELD	86514		0	2026 2	INV	A	28.03	03-26	7/18-PD
INVOICE:		FULL DESC:	7/18-PD						
		ACCOUNT TOTAL					28.03		
10330 08050				SEWER					
043552 NORTHFIELD	86514		0	2026 2	INV	A	29.02	03-26	7/18-PD
INVOICE:		FULL DESC:	7/18-PD						

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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037470	MC GEE FORD	86389	0	2025 12	INV A	336.47	03-26	19	EXPLORER-WHEEL B
INVOICE: 5021000		FULL DESC: 19 EXPLORER-WHEEL BEARING							

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S		WARRANT	CHECK	DESCRIPTION
052611 SANEL NAPA INVOICE: 531520	86413	0	2025 12	INV A	40.02	03-26		19FORD EXP-OIL&FILTR
	FULL DESC:	19FORD EXP-OIL&FILTER						
		ACCOUNT TOTAL				376.49		
0330 08300		DEPARTMENT SUPPLIES						
042767 TDS LEASING INC INVOICE: 1091199	86570	0	2026 2	INV A	105.00	03-26		7/25-10/25 WATER COOLERS
	FULL DESC:	7/25-10/25 WATER COOLER RENT PD						
052902 SECURSHRED INVOICE: 497631	86537	0	2026 2	INV A	24.00	03-26		PD-SHREDDING PICKUP
	FULL DESC:	PD-SHREDDING PICKUP 7/24						
		ACCOUNT TOTAL				129.00		
0330 08380		BUILDING MAINT/SUPPLIES						
035892 MAGEE OFFICE PLUS INVOICE:	86384	0	2025 12	INV A	27.83	03-26		TRASH LINERS
	FULL DESC:	TRASH LINERS						
035892 MAGEE OFFICE PLUS INVOICE:	86385	0	2025 12	CRM A	-27.83	03-26		RETURN LINERS-PD
	FULL DESC:	RETURN LINERS-PD						
						.00		
		ACCOUNT TOTAL				.00		
		ORG 10330 TOTAL				8,671.26		
0340		AMBULANCE DEPARTMENT						
0340 06220		MAINTENANCE CONTRACTS						
034875 LEAF INVOICE: 18729456	86469	0	2026 2	INV A	46.00	03-26		7/19 COPIER CONTRACT
	FULL DESC:	7/19 COPIER CONTRACT AMB/HWY						
		ACCOUNT TOTAL				46.00		
0340 07010		TELEPHONE						
012544 AT & T INVOICE:	86357	0	2025 12	INV A	82.46	03-26		3/4 MOBILE-AMB 2872
	FULL DESC:	3/4 MOBILE-AMB 287293977820						
012544 AT & T INVOICE:	86358	0	2025 12	INV A	82.46	03-26		7/4-MOBILE-AMB28729
	FULL DESC:	7/4-MOBILE-AMB287293977820						
						164.92		
037459 MCCUSKER, MEGGAN INVOICE:	86473	0	2026 2	INV A	50.00	03-26		AUG25 CELL PHONE
	FULL DESC:	AUG25 CELL PHONE						
042768 TDS TELECOM INVOICE:	86571	0	2026 2	INV A	103.78	03-26		8/4-PHONE 802485541
	FULL DESC:	8/4-PHONE 8024855411						
055824 TRANS-VIDEO INVOICE:	86577	0	2026 2	INV A	50.02	03-26		AUG25 INTERNET AMB/HWY
	FULL DESC:	AUG25 INTERNET AMB/HWY						
		ACCOUNT TOTAL				368.72		

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

10340 07020				POSTAGE					
042896 NFLD TOWN GEN FUND	86511		0	2026	2	INV A	.74 03-26		JUL 25 POSTAGE
INVOICE:		FULL DESC:	JUL 25 POSTAGE						
		ACCOUNT TOTAL					.74		
10340 07050				OFFICE SUPPLIES					
035892 MAGEE OFFICE PLUS	86471		0	2026	2	INV A	26.25 03-26		6 CASES 8.5X11 COPY
INVOICE:		FULL DESC:	6 CASES 8.5X11 COPY PAPER						
055824 TRANS-VIDEO	86575		0	2026	2	INV A	.51 03-26		AUG25 INTERNET MUN
INVOICE:		FULL DESC:	AUG25 INTERNET MUN BLD						
055824 TRANS-VIDEO	86577		0	2026	2	INV A	39.95 03-26		AUG25 INTERNET AMB/
INVOICE:		FULL DESC:	AUG25 INTERNET AMB/HWY						

							40.46		
		ACCOUNT TOTAL					66.71		
10340 08010				ELECTRICITY					
041616 NFLD ELEC DEPT	86492		0	2026	2	INV A	35.11 03-26		7/18-AMB DEPT
INVOICE:		FULL DESC:	7/18-AMB DEPT						
		ACCOUNT TOTAL					35.11		
10340 08070				GASOLINE/DIESEL					
042896 NFLD TOWN GEN FUND	86399		0	2025	12	INV A	699.21 03-26		JUNE 25 GAS/DIESEL
INVOICE:		FULL DESC:	JUNE 25 GAS/DIESEL						
042896 NFLD TOWN GEN FUND	86400		0	2025	12	INV A	503.46 03-26		MAY 25 GAS/DIESEL
INVOICE:		FULL DESC:	MAY 25 GAS/DIESEL						
042896 NFLD TOWN GEN FUND	86401		0	2025	12	INV A	823.64 03-26		APRIL25 GAS/DIESEL
INVOICE:		FULL DESC:	APRIL25 GAS/DIESEL						

							2,026.31		
063377 WEX BANK	86589		0	2026	2	INV A	41.01 03-26		7/4-AMB 10.2 GAL DI
INVOICE: 71948		FULL DESC:	7/4-AMB 10.2 GAL DIESEL						
		ACCOUNT TOTAL					2,067.32		
10340 08150				MEDICAL SUPPLIES					
010461 HAUN WELDING SUPPLIY	86380		0	2025	12	INV A	32.88 03-26		JUNE CYLINDER RENT
INVOICE: 514269		FULL DESC:	JUNE CYLINDER RENT						
014864 BOUND TREE	86443		0	2026	2	INV A	1,773.52 03-26		STAT PADZ,ELECTRODE
INVOICE: 85835331		FULL DESC:	STAT PADZ,ELECTRODES,SLINGS,ETC						
017936 CVH	86368		0	2025	12	INV A	411.78 03-26		JAN25-PHARMACY
INVOICE:		FULL DESC:	JAN25-PHARMACY						
065810 ZOLL MEDICAL CORP	86592		0	2026	2	INV A	750.00 03-26		PEDIATRIC SENSORS

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

INVOICE: 4240934		FULL DESC:	PEDIATRIC SENSORS						
065810 ZOLL MEDICAL CORP	86593		0	2026	2	INV A	770.00	03-26	NEONATE SENSORS
INVOICE: 4237868		FULL DESC:	NEONATE SENSORS						
							1,520.00		
		ACCOUNT TOTAL					3,738.18		
10340 08160						VEHICLE MAINTENANCE			
037470 MCGEE FORD	86390		0	2025	12	INV A	52.80	03-26	RESTOCK FEE-WATER P
INVOICE: 6020586		FULL DESC:	RESTOCK FEE-WATER PUMP 17AMB						
046265 O'REILLY AUTO PARTS	86402		0	2025	12	INV A	88.06	03-26	MICRO VBELT-AMB
INVOICE:		FULL DESC:	MICRO VBELT-AMB						
046265 O'REILLY AUTO PARTS	86403		0	2025	12	CRM A	-88.06	03-26	RETURN MICRO VBELT-
INVOICE:		FULL DESC:	RETURN MICRO VBELT-AMB						
							.00		
052611 SANEL NAPA	86412		0	2025	12	INV A	64.60	03-26	22AMBA2-TUBING-EXHA
INVOICE: 531431		FULL DESC:	22AMBA2-TUBING-EXHAUST PIPE						
052611 SANEL NAPA	86530		0	2026	2	INV A	51.96	03-26	DEF-AMBULANCE
INVOICE: 531827		FULL DESC:	DEF-AMBULANCE						
							116.56		
		ACCOUNT TOTAL					169.36		
10340 08300						DEPARTMENT SUPPLIES			
021684 BUSINESS CREDIT CARD	86596		0	2025	12	INV A	129.48	03-26	CAR WASH/WAX-AMB
INVOICE:		FULL DESC:	CAR WASH/WAX-AMB						
		ACCOUNT TOTAL					129.48		
		ORG 10340 TOTAL					6,621.62		
10420						HIGHWAY DEPT			
10420 05152						HRA			
039617 MVP-HRA	86313		0	2026	1	DIR P	125.71	03-26	3368 JULY 8,2025 HRA CLA
INVOICE:		FULL DESC:	JULY 8,2025 HRA CLAIMS CARD						
		ACCOUNT TOTAL					125.71		
10420 06220						MAINTENANCE CONTRACTS			
034875 LEAF	86469		0	2026	2	INV A	46.00	03-26	7/19 COPIER CONTRAC
INVOICE: 18729456		FULL DESC:	7/19 COPIER CONTRACT AMB/HWY						
		ACCOUNT TOTAL					46.00		
10420 07010						TELEPHONE			
010495 VERIZON WIRELESS	86581		0	2026	2	INV A	40.44	03-26	6/17-7/16 CELL PHON
INVOICE: 6118698477		FULL DESC:	6/17-7/16 CELL PHONE						

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
042768 TDS TELECOM	86571	0	2026	2 INV A	42.24	03-26	8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411				
055824 TRANS-VIDEO	86577	0	2026	2 INV A	50.01	03-26	AUG25 INTERNET AMB/
INVOICE:		FULL DESC:	AUG25 INTERNET AMB/HWY				
		ACCOUNT TOTAL			132.69		
10420 07050				OFFICE SUPPLIES			
035892 MAGEE OFFICE PLUS	86471	0	2026	2 INV A	26.25	03-26	6 CASES 8.5X11 COPY
INVOICE:		FULL DESC:	6 CASES 8.5X11 COPY PAPER				
		ACCOUNT TOTAL			26.25		
10420 07250				SCHOOL/TRAINING			
046265 O'REILLY AUTO PARTS	86406	0	2025	12 INV A	275.00	03-26	P MARTIN-AIR BRAKES
INVOICE:		FULL DESC:	P MARTIN-AIR BRAKES CLASS				
		ACCOUNT TOTAL			275.00		
10420 08010				ELECTRICITY			
041616 NFLD ELEC DEPT	86493	0	2026	2 INV A	16.09	03-26	7/18-TUCKERS PIT ON
INVOICE:		FULL DESC:	7/18-TUCKERS PIT ON 12A				
041616 NFLD ELEC DEPT	86494	0	2026	2 INV A	16.09	03-26	7/18-FALLS-SALT SHE
INVOICE:		FULL DESC:	7/18-FALLS-SALT SHED				
					32.18		
		ACCOUNT TOTAL			32.18		
10420 08070				GASOLINE/DIESEL			
028560 GILLESPIE FUELS	86372	0	2025	12 INV A	1,183.07	03-26	443.1 GALS DIESEL-6
INVOICE:		FULL DESC:	443.1 GALS DIESEL-6/3				
028560 GILLESPIE FUELS	86373	0	2025	12 INV A	864.01	03-26	323.6 GALS DIESEL 6
INVOICE:		FULL DESC:	323.6 GALS DIESEL 6/10				
028560 GILLESPIE FUELS	86374	0	2025	12 INV A	992.17	03-26	371.6 GALS DIESEL 6
INVOICE:		FULL DESC:	371.6 GALS DIESEL 6/17				
028560 GILLESPIE FUELS	86375	0	2025	12 INV A	1,140.00	03-26	398.6 GALS DIESEL 6
INVOICE:		FULL DESC:	398.6 GALS DIESEL 6/24				
					4,179.25		
042896 NFLD TOWN GEN FUND	86399	0	2025	12 INV A	3,091.54	03-26	JUNE 25 GAS/DIESEL
INVOICE:		FULL DESC:	JUNE 25 GAS/DIESEL				
042896 NFLD TOWN GEN FUND	86400	0	2025	12 INV A	3,131.67	03-26	MAY 25 GAS/DIESEL
INVOICE:		FULL DESC:	MAY 25 GAS/DIESEL				
042896 NFLD TOWN GEN FUND	86401	0	2025	12 INV A	3,591.11	03-26	APRIL25 GAS/DIESEL
INVOICE:		FULL DESC:	APRIL25 GAS/DIESEL				
					9,814.32		

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ACCOUNT/VENDOR		DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

053596 SO. VILLAGE		86559		0	2026	2	INV A	82.04	03-26	26.472 GALS GASOLIN
INVOICE: 8361			FULL DESC:	26.472 GALS GASOLINE-7/30-25CHEVY						
ACCOUNT TOTAL								14,075.61		
10420 08160			VEHICLE/EQUIPMENT MAINTENANCE							
020368 CODY CHEVROLET		86360		0	2025	12	INV A	49.77	03-26	20 CHEVY6500-HOSE
INVOICE:			FULL DESC:	20 CHEVY6500-HOSE						
020368 CODY CHEVROLET		86361		0	2025	12	CRM A	-49.77	03-26	RETURN HOSES-20 CHE
INVOICE:			FULL DESC:	RETURN HOSES-20 CHEVY6500						
020368 CODY CHEVROLET		86362		0	2025	12	INV A	50.08	03-26	PIPE
INVOICE:			FULL DESC:	PIPE						
020368 CODY CHEVROLET		86363		0	2025	12	CRM A	-8.58	03-26	RETURN PIPE
INVOICE:			FULL DESC:	RETURN PIPE						
020368 CODY CHEVROLET		86364		0	2025	12	INV A	45.26	03-26	20CHEVY6500-HOSE
INVOICE:			FULL DESC:	20CHEVY6500-HOSE						
020368 CODY CHEVROLET		86365		0	2025	12	CRM A	-45.26	03-26	20 CHEVY6500-RETURN
INVOICE:			FULL DESC:	20 CHEVY6500-RETURN HOSE						
020368 CODY CHEVROLET		86366		0	2025	12	INV A	19.08	03-26	20CHEVY6500-LOCKS
INVOICE:			FULL DESC:	20CHEVY6500-LOCKS						

								60.58		
029195 GOSS DODGE CHRYSLER		86594		0	2026	2	INV A	559.46	03-26	DODGE SALT-FUEL FIL
INVOICE: 749104744			FULL DESC:	DODGE SALT-FUEL FILTER						
035360 LUCKY'S TRAILER SALE		86388		0	2025	12	INV A	91.70	03-26	TRAILER-SUSPENSION
INVOICE:			FULL DESC:	TRAILER-SUSPENSION ARM						
037776 LOWELL MCLEODS		86381		0	2025	12	INV A	187.56	03-26	DODGE SALT-UBOLT, R
INVOICE:			FULL DESC:	DODGE SALT-UBOLT, REPAIR LEAF						
037776 LOWELL MCLEODS		86382		0	2025	12	INV A	22.47	03-26	14WSTAR-BOLT W/HARD
INVOICE:			FULL DESC:	14WSTAR-BOLT W/HARDWARE						
037776 LOWELL MCLEODS		86383		0	2025	12	INV A	1,594.32	03-26	20WSTAR-FRONT SPRIN
INVOICE:			FULL DESC:	20WSTAR-FRONT SPRING REPAIR						

								1,804.35		
046265 O'REILLY AUTO PARTS		86404		0	2025	12	INV A	47.03	03-26	CABIN FILTERS
INVOICE:			FULL DESC:	CABIN FILTERS						
046265 O'REILLY AUTO PARTS		86405		0	2025	12	CRM A	-47.03	03-26	RETURN CABIN FILTER
INVOICE:			FULL DESC:	RETURN CABIN FILTERS						

								.00		
052611 SANEL NAPA		86535		0	2026	2	INV A	96.99	03-26	RDSIDE MOWER-CONNEC
INVOICE: 532571			FULL DESC:	RDSIDE MOWER-CONNECTOR						
056866 UNITED CONSTRUCTION		86421		0	2025	12	INV A	729.24	03-26	20GRADER-SERVICE CA
INVOICE: 11126975			FULL DESC:	20GRADER-SERVICE CALL-MILEAGE/TIME						
064800 WOOD'S CRW CORP.		86591		0	2026	2	INV A	268.28	03-26	VOLVO EXCAVATOR-PIP

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ACCOUNT/VENDOR		DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

INVOICE:		FULL DESC: VOLVO EXCAVATOR-PIPE								
ACCOUNT TOTAL							3,610.60			
10420	08300	DEPARTMENT SUPPLIES								
033562	KIMBALL MIDWEST	86464	0	2026	2	INV	A	559.94	03-26	DEODORIZER,SCREWS,F
INVOICE: 103543756		FULL DESC: DEODORIZER,SCREWS,FITTINGS, ETC								
052611	SANEL NAPA	86532	0	2026	2	INV	A	21.98	03-26	DISPOSABLE GLOVES
INVOICE: 532438		FULL DESC: DISPOSABLE GLOVES								
ACCOUNT TOTAL							581.92			
ORG 10420 TOTAL							18,905.96			
10430	CEMETERY									
10430	06030	TREE REMOVAL								
013085	BW MASONRY/ LANDSCAP	86448	0	2026	2	INV	A	400.00	03-26	7/22-RD SIDE TREE W
INVOICE:		FULL DESC: 7/22-RD SIDE TREE WORK								
ACCOUNT TOTAL							400.00			
10430	06341	CEMETERY CARE CONTRACT								
013085	BW MASONRY/ LANDSCAP	86451	0	2026	2	INV	A	8,595.00	03-26	AUG 25 CONTRACT
INVOICE:		FULL DESC: AUG 25 CONTRACT								
ACCOUNT TOTAL							8,595.00			
10430	06344	SEXTON								
013085	BW MASONRY/ LANDSCAP	86446	0	2026	2	INV	A	900.00	03-26	7/19-2 BURIALS-MT H
INVOICE:		FULL DESC: 7/19-2 BURIALS-MT HOPE								
013085	BW MASONRY/ LANDSCAP	86447	0	2026	2	INV	A	400.00	03-26	7/23-BURIAL MT HOPE
INVOICE:		FULL DESC: 7/23-BURIAL MT HOPE								
013085	BW MASONRY/ LANDSCAP	86449	0	2026	2	INV	A	400.00	03-26	7/23-BURIAL FALLS C
INVOICE:		FULL DESC: 7/23-BURIAL FALLS CEMETERY								
013085	BW MASONRY/ LANDSCAP	86450	0	2026	2	INV	A	450.00	03-26	7/19-BURIAL MT HOPE
INVOICE:		FULL DESC: 7/19-BURIAL MT HOPE								
							----- 2,150.00			
ACCOUNT TOTAL							2,150.00			
10430	08010	ELECTRICITY								
041616	NFLD ELEC DEPT	86495	0	2026	2	INV	A	10.15	03-26	7/18-CEMETERIES-ELM
INVOICE:		FULL DESC: 7/18-CEMETERIES-ELMWOOD								
041616	NFLD ELEC DEPT	86496	0	2026	2	INV	A	10.15	03-26	7/18-CEMETERIES-MT
INVOICE:		FULL DESC: 7/18-CEMETERIES-MT HOPE								
							----- 20.30			
ACCOUNT TOTAL							20.30			

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10430 08030				WATER				
043552 NORTHFIELD	86515	0		2026 2 INV A		40.80 03-26		7/18-MT HOPE CEMETE
INVOICE:		FULL DESC:	7/18-MT HOPE CEMETERY					
ACCOUNT TOTAL						40.80		
ORG 10430 TOTAL						11,206.10		
10440				TOWN GARAGE				
10440 06060				TRASH DISPOSAL				
010062 MYERS CONTAINER, CORP 86474		0		2026 2 INV A		33.85 03-26		11936 AUG25 RECYCLI
INVOICE:		FULL DESC:	11936 AUG25 RECYCLING					
010062 MYERS CONTAINER, CORP 86475		0		2026 2 INV A		109.29 03-26		36736 AUG25 DUMPSTE
INVOICE:		FULL DESC:	36736 AUG25 DUMPSTER					
010062 MYERS CONTAINER, CORP 86476		0		2026 2 INV A		15.00 03-26		7/1-WATER COOLER DI
INVOICE:		FULL DESC:	7/1-WATER COOLER DISPOSAL-AMB					
010062 MYERS CONTAINER, CORP 86477		0		2026 2 INV A		170.69 03-26		11732 AUG25 DUMPSTE
INVOICE:		FULL DESC:	11732 AUG25 DUMPSTER					

						328.83		
ACCOUNT TOTAL						328.83		
10440 07010				TELEPHONE				
042768 TDS TELECOM	86571	0		2026 2 INV A		67.55 03-26		8/4-PHONE 802485541
INVOICE:		FULL DESC:	8/4-PHONE 8024855411					
ACCOUNT TOTAL						67.55		
10440 08010				ELECTRICITY				
041616 NFLD ELEC DEPT	86497	0		2026 2 INV A		27.53 03-26		7/18-RADIO SHACK
INVOICE:		FULL DESC:	7/18-RADIO SHACK					
ACCOUNT TOTAL						27.53		
10440 08013				ELECTRIC-SOLAR				
052905 SENIOR RENEWABLES, L 86539		0		2026 2 INV A		518.83 03-26		BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC:	BULLRUN SOLAR-JULY					
ACCOUNT TOTAL						518.83		
10440 08020				HEATING FUEL				
028560 GILLESPIE FUELS	86379	0		2025 12 INV A		12.95 03-26		8.2 GALS PROPANE-RE
INVOICE:		FULL DESC:	8.2 GALS PROPANE-READ HWY 6/26					
ACCOUNT TOTAL						12.95		
10440 08030				WATER				
043552 NORTHFIELD	86516	0		2026 2 INV A		93.91 03-26		7/18-MUN GARAGE
INVOICE:		FULL DESC:	7/18-MUN GARAGE					
ACCOUNT TOTAL						93.91		

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10440 08050			SEWER				
043552 NORTHFIELD	86516	0	2026 2 INV A		117.52 03-26		7/18-MUN GARAGE
INVOICE:		FULL DESC:	7/18-MUN GARAGE				
		ACCOUNT TOTAL			117.52		
		ORG 10440 TOTAL			1,167.12		
10445			LIBRARY/HISTORICAL SOCIETY BLD				
10445 06090			JANITORIAL SERVICES				
053855 SPOTLESS CLEANING	86563	0	2026 2 INV A		200.00 03-26		6/29-7/5 CLEANING S
INVOICE:		FULL DESC:	6/29-7/5 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86564	0	2026 2 INV A		200.00 03-26		7/6-7/12 CLEANING S
INVOICE:		FULL DESC:	7/6-7/12 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86565	0	2026 2 INV A		200.00 03-26		7/13-7/19 CLEANING
INVOICE:		FULL DESC:	7/13-7/19 CLEANING SRVCS				
053855 SPOTLESS CLEANING	86566	0	2026 2 INV A		200.00 03-26		7/20-7/26 CLEANING
INVOICE:		FULL DESC:	7/20-7/26 CLEANING SRVCS				

					800.00		
		ACCOUNT TOTAL			800.00		
10445 08010			ELECTRICITY				
041616 NFLD ELEC DEPT	86498	0	2026 2 INV A		104.87 03-26		7/18-LIBRARY
INVOICE:		FULL DESC:	7/18-LIBRARY				
		ACCOUNT TOTAL			104.87		
10445 08013			ELECTRIC-SOLAR				
052905 SENIOR RENEWABLES, L	86539	0	2026 2 INV A		559.84 03-26		BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC:	BULLRUN SOLAR-JULY				
		ACCOUNT TOTAL			559.84		
10445 08030			WATER				
043552 NORTHFIELD	86517	0	2026 2 INV A		33.16 03-26		7/18-LIBRARY
INVOICE:		FULL DESC:	7/18-LIBRARY				
		ACCOUNT TOTAL			33.16		
10445 08050			SEWER				
043552 NORTHFIELD	86517	0	2026 2 INV A		38.85 03-26		7/18-LIBRARY
INVOICE:		FULL DESC:	7/18-LIBRARY				
		ACCOUNT TOTAL			38.85		
		ORG 10445 TOTAL			1,536.72		

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ACCOUNT/VENDOR		DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

10447			MUNICIPAL BUILDING							
10447 06060			TRASH DISPOSAL							
010062 MYERS CONTAINER, CORP		86474	0	2026	2 INV A	33.86	03-26	11936 AUG25 RECYCLI		
INVOICE:			FULL DESC: 11936 AUG25 RECYCLING							
010062 MYERS CONTAINER, CORP		86475	0	2026	2 INV A	109.29	03-26	36736 AUG25 DUMPSTE		
INVOICE:			FULL DESC: 36736 AUG25 DUMPSTER							
010062 MYERS CONTAINER, CORP		86477	0	2026	2 INV A	170.69	03-26	11732 AUG25 DUMPSTE		
INVOICE:			FULL DESC: 11732 AUG25 DUMPSTER							

						313.84				
						ACCOUNT TOTAL				
						313.84				
10447 06090			JANITORIAL SERVICES							
053855 SPOTLESS CLEANING		86563	0	2026	2 INV A	200.00	03-26	6/29-7/5 CLEANING S		
INVOICE:			FULL DESC: 6/29-7/5 CLEANING SRVCS							
053855 SPOTLESS CLEANING		86564	0	2026	2 INV A	200.00	03-26	7/6-7/12 CLEANING S		
INVOICE:			FULL DESC: 7/6-7/12 CLEANING SRVCS							
053855 SPOTLESS CLEANING		86565	0	2026	2 INV A	200.00	03-26	7/13-7/19 CLEANING		
INVOICE:			FULL DESC: 7/13-7/19 CLEANING SRVCS							
053855 SPOTLESS CLEANING		86566	0	2026	2 INV A	200.00	03-26	7/20-7/26 CLEANING		
INVOICE:			FULL DESC: 7/20-7/26 CLEANING SRVCS							

						800.00				
						ACCOUNT TOTAL				
						800.00				
10447 08010			ELECTRICITY							
041616 NFLD ELEC DEPT		86499	0	2026	2 INV A	16.09	03-26	7/18-KENT ST GARAGE		
INVOICE:			FULL DESC: 7/18-KENT ST GARAGE(OLD TDS)							
						ACCOUNT TOTAL				
						16.09				
10447 08013			ELECTRIC-SOLAR							
052905 SENIOR RENEWABLES, L		86539	0	2026	2 INV A	403.40	03-26	BULLRUN SOLAR-JULY		
INVOICE: 190			FULL DESC: BULLRUN SOLAR-JULY							
						ACCOUNT TOTAL				
						403.40				
10447 08020			HEATING FUEL							
028560 GILLESPIE FUELS		86376	0	2025	12 INV A	82.80	03-26	40.0 GALS PROPANE 6		
INVOICE:			FULL DESC: 40.0 GALS PROPANE 6/13 MUN BLD GENERATOR							
						ACCOUNT TOTAL				
						82.80				
10447 08030			WATER							
043552 NORTHFIELD		86518	0	2026	2 INV A	38.29	03-26	7/18-MUN BUILDING		
INVOICE:			FULL DESC: 7/18-MUN BUILDING							
						ACCOUNT TOTAL				
						38.29				

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ACCOUNT/VENDOR		DOCUMENT	VOUCHER	PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10447	08050				SEWER				
043552	NORTHFIELD	86518		0	2026	2 INV A	48.68	03-26	7/18-MUN BUILDING
INVOICE:			FULL DESC:	7/18-MUN BUILDING					
ACCOUNT TOTAL							48.68		
10447	08380				BUILDING MAINT/SUPPLIES				
014906	BRADY PLUS	86444		0	2026	2 INV A	160.44	03-26	PAPER TOWELS-MUN BL
INVOICE: 1034530			FULL DESC:	PAPER TOWELS-MUN BLD					
035892	MAGEE OFFICE PLUS	86470		0	2026	2 INV A	192.48	03-26	12 BOXES COFFEE
INVOICE:			FULL DESC:	12 BOXES COFFEE					
ACCOUNT TOTAL							352.92		
ORG 10447 TOTAL							2,056.02		
10510					HUMAN SERVICES				
10510	06150				SENIOR CENTER				
042512	NFLD SENIOR CTR.	86509		0	2026	2 INV A	2,083.00	03-26	AUG 25 ALLOCATION
INVOICE:			FULL DESC:	AUG 25 ALLOCATION					
ACCOUNT TOTAL							2,083.00		
ORG 10510 TOTAL							2,083.00		
10520					GROUNDS/PARKS/FACILITIES				
10520	08010				ELECTRICITY				
041616	NFLD ELEC DEPT	86500		0	2026	2 INV A	36.83	03-26	7/18-FALLS PARK FIE
INVOICE:			FULL DESC:	7/18-FALLS PARK FIELD LIGHTS					
041616	NFLD ELEC DEPT	86501		0	2026	2 INV A	16.23	03-26	7/18-MEMORIAL PARK(
INVOICE:			FULL DESC:	7/18-MEMORIAL PARK(POLE)					
041616	NFLD ELEC DEPT	86502		0	2026	2 INV A	18.09	03-26	7/18-WELCOME SIGN I
INVOICE:			FULL DESC:	7/18-WELCOME SIGN IN SOUTH NFLD					
							71.15		
ACCOUNT TOTAL							71.15		
10520	08030				WATER				
043552	NORTHFIELD	86519		0	2026	2 INV A	25.31	03-26	7/18-MEM PK BATHROO
INVOICE:			FULL DESC:	7/18-MEM PK BATHROOMS					
043552	NORTHFIELD	86520		0	2026	2 INV A	187.06	03-26	7/18-FALLS FIELD
INVOICE:			FULL DESC:	7/18-FALLS FIELD					
043552	NORTHFIELD	86521		0	2026	2 INV A	585.05	03-26	7/18-FOUNTAIN ON CO
INVOICE:			FULL DESC:	7/18-FOUNTAIN ON COMMON					
043552	NORTHFIELD	86522		0	2026	2 INV A	42.90	03-26	7/18-COMMUNITY GARD
INVOICE:			FULL DESC:	7/18-COMMUNITY GARDEN					
							840.32		
ACCOUNT TOTAL							840.32		

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ACCOUNT/VENDOR		DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION	

10520	08050			SEWER					
043552	NORTHFIELD	86519	0	2026	2 INV A	23.81	03-26		7/18-MEM PK BATHROO
INVOICE:			FULL DESC:	7/18-MEM PK BATHROOMS					
ACCOUNT TOTAL						23.81			
10520	08070			GASOLINE/DIESEL					
042896	NFLD TOWN GEN FUND	86399	0	2025	12 INV A	193.25	03-26		JUNE 25 GAS/DIESEL
INVOICE:			FULL DESC:	JUNE 25 GAS/DIESEL					
042896	NFLD TOWN GEN FUND	86400	0	2025	12 INV A	137.02	03-26		MAY 25 GAS/DIESEL
INVOICE:			FULL DESC:	MAY 25 GAS/DIESEL					
042896	NFLD TOWN GEN FUND	86401	0	2025	12 INV A	13.72	03-26		APRIL25 GAS/DIESEL
INVOICE:			FULL DESC:	APRIL25 GAS/DIESEL					

						343.99			
ACCOUNT TOTAL						343.99			
10520	08570			FACILITY SUPPLIES/MAINTENANCE					
010128	ACE HARDWARE	86339	0	2025	12 INV A	7.99	03-26		COPPER FITTING-DRIN
INVOICE:			FULL DESC:	COPPER FITTING-DRINKING FOUNTAIN-COMMON					
010128	ACE HARDWARE	86340	0	2025	12 INV A	12.99	03-26		VALVE-DRINKING FOUN
INVOICE:			FULL DESC:	VALVE-DRINKING FOUNTAIN COMMON					
010128	ACE HARDWARE	86341	0	2025	12 INV A	16.99	03-26		SILICONE-DRINKING F
INVOICE:			FULL DESC:	SILICONE-DRINKING FOUNTAIN COMMON					
010128	ACE HARDWARE	86342	0	2025	12 INV A	1.50	03-26		3/8 INSERTS-DRINKIN
INVOICE:			FULL DESC:	3/8 INSERTS-DRINKING FOUNTAIN-COMMON					
010128	ACE HARDWARE	86343	0	2025	12 INV A	2.50	03-26		3/8 O RINGS-DRINKIN
INVOICE:			FULL DESC:	3/8 O RINGS-DRINKING FOUNTAIN COMMON					

						41.97			
055824	TRANS-VIDEO	86574	0	2026	2 INV A	54.95	03-26		AUG25 WIFI PK CAMER
INVOICE:			FULL DESC:	AUG25 WIFI PK CAMERAS					
064100	WIND RIVER ENVIRON	86590	0	2026	2 INV A	138.00	03-26		7/17-8/13 PORTALET
INVOICE:			FULL DESC:	7/17-8/13 PORTALET RENT-TRANSFER STATION					
ACCOUNT TOTAL						234.92			
10520	08575			GARDEN SUPPLIES					
056208	TROMBLY'S GREEN	86420	0	2025	12 INV A	449.76	03-26		MAY/JUN25 FLOWERS-G
INVOICE: 893587			FULL DESC:	MAY/JUN25 FLOWERS-GARDEN					
056208	TROMBLY'S GREEN	86579	0	2026	2 INV A	36.80	03-26		7/11-SUNFLOWERS-GAR
INVOICE:			FULL DESC:	7/11-SUNFLOWERS-GARDEN					

						486.56			
ACCOUNT TOTAL						486.56			
ORG 10520				TOTAL		2,000.75			

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

10530							RECREATION COMMITTEE
10530	07020						POSTAGE
042896 NFLD TOWN GEN FUND	86511	0	2026	2 INV A	1.43	03-26	JUL 25 POSTAGE
INVOICE:		FULL DESC: JUL 25 POSTAGE					
							ACCOUNT TOTAL
					1.43		
							ORG 10530 TOTAL
					1.43		
10550							POOL
10550	08010						ELECTRICITY
041616 NFLD ELEC DEPT	86503	0	2026	2 INV A	71.83	03-26	7/18-MUNICIPAL POOL
INVOICE:		FULL DESC: 7/18-MUNICIPAL POOL					
							ACCOUNT TOTAL
					71.83		
10550	08013						ELECTRIC-SOLAR
052905 SENIOR RENEWABLES, L	86539	0	2026	2 INV A	469.32	03-26	BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC: BULLRUN SOLAR-JULY					
							ACCOUNT TOTAL
					469.32		
10550	08030						WATER
043552 NORTHFIELD	86523	0	2026	2 INV A	2,981.90	03-26	7/18-MEM PK POOL
INVOICE:		FULL DESC: 7/18-MEM PK POOL					
043552 NORTHFIELD	86524	0	2026	2 INV A	85.85	03-26	7/18-POOL BATHHOUSE
INVOICE:		FULL DESC: 7/18-POOL BATHHOUSE					

					3,067.75		
							ACCOUNT TOTAL
					3,067.75		
10550	08050						SEWER
043552 NORTHFIELD	86523	0	2026	2 INV A	3,419.77	03-26	7/18-MEM PK POOL
INVOICE:		FULL DESC: 7/18-MEM PK POOL					
043552 NORTHFIELD	86524	0	2026	2 INV A	68.36	03-26	7/18-POOL BATHHOUSE
INVOICE:		FULL DESC: 7/18-POOL BATHHOUSE					

					3,488.13		
							ACCOUNT TOTAL
					3,488.13		
10550	08100						CHEMICALS
011024 ALLEN ENGIN	86441	0	2026	2 INV A	792.50	03-26	200GALS LIQ CHLORIN
INVOICE:		FULL DESC: 200GALS LIQ CHLORINE-7/15 POOL					
							ACCOUNT TOTAL
					792.50		
10550	08570						FACILITY SUPPLIES/MAINTENANCE
014906 BRADY PLUS	86445	0	2026	2 INV A	140.73	03-26	PAPER TOWELS/BATH T
INVOICE: 10372302		FULL DESC: PAPER TOWELS/BATH TISSUE-POOL					


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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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021684 BUSINESS CREDIT CARD 86457	0	2026 2 INV A	71.89 03-26	HANDICAP PARKING SI
INVOICE:	FULL DESC:	HANDICAP PARKING SIGNS-POOL		
028560 GILLESPIE FUELS 86461	0	2026 2 INV A	292.50 03-26	7/14-POOL-DRAIN ISS
INVOICE:	FULL DESC:	7/14-POOL-DRAIN ISSUE		
050448 RECREONICS INC 86528	0	2026 2 INV A	539.79 03-26	FLOATS & ROPES-POOL
INVOICE:	FULL DESC:	FLOATS & ROPES-POOL		
	ACCOUNT TOTAL		1,044.91	
	ORG 10550 TOTAL		8,934.44	
10610	MANAGEMENT SUPPORT			
10610 06010	PROFESSIONAL SERVICES			
049389 QUEEN CITY P.I., LLC 86434	0	2025 12 INV A	10,969.80 03-26	5/29-6/30 PI SERVIC
INVOICE:	FULL DESC:	5/29-6/30 PI SERVICES		
	ACCOUNT TOTAL		10,969.80	
10610 06020	LEGAL SERVICES			
054200 STITZEL 86414	0	2025 12 INV A	357.60 03-26	MAY25-LEGAL-SELECTB
INVOICE: 92858	FULL DESC:	MAY25-LEGAL-SELECTBOARD		
	ACCOUNT TOTAL		357.60	
10610 06100	AUDITS			
033637 KITTELL BRANAGAN & S 86465	0	2026 2 INV A	750.00 03-26	PROGRESS BILL STAND
INVOICE: 98457	FULL DESC:	PROGRESS BILL STAND. AUDIT FY24-25		
	ACCOUNT TOTAL		750.00	
10610 06220	MAINTENANCE CONTRACTS			
054400 SYMQUEST GROUP INC. 86415	0	2025 12 INV A	114.00 03-26	JUNE DUO MFA CONTRA
INVOICE: 2020402	FULL DESC:	JUNE DUO MFA CONTRACT		
054400 SYMQUEST GROUP INC. 86416	0	2025 12 INV A	131.00 03-26	JUNE BACKUP CONTRAC
INVOICE: 2020577	FULL DESC:	JUNE BACKUP CONTRACT		
054400 SYMQUEST GROUP INC. 86417	0	2025 12 INV A	171.00 03-26	JUNE MEDR CONTRACT
INVOICE: 2020992	FULL DESC:	JUNE MEDR CONTRACT		
054400 SYMQUEST GROUP INC. 86418	0	2025 12 INV A	333.00 03-26	JUNE M365OFFICE CON
INVOICE: 2020293	FULL DESC:	JUNE M365OFFICE CONTRACT		
054400 SYMQUEST GROUP INC. 86569	0	2026 2 INV A	237.60 03-26	7/20-8/19 COPIER (2
INVOICE: 2017652	FULL DESC:	7/20-8/19 COPIER (2) CONTRACT		
			986.60	
	ACCOUNT TOTAL		986.60	
10610 06380	HEALTH ADMIN/FEES			
010037 COMBINED SERVICES, L 86370	0	2025 12 INV A	12.70 03-26	JUN25 HRA ADMIN FEE
INVOICE:	FULL DESC:	JUN25 HRA ADMIN FEE		

YEAR/PERIOD: 2025/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

057050 UNITED STATES TREASU	86335	0	2025 12	INV P	59.44 03-26		100470 2025HRA TX FOR CY20		
INVOICE:		FULL DESC:	2025HRA TX FOR CY2024 FORM720						
		ACCOUNT TOTAL			72.14				
10610 08040			STREET LIGHTS						
041616 NFLD ELEC DEPT	86504	0	2026 2	INV A	149.78 03-26		7/18-LIGHTS ON COMM		
INVOICE:		FULL DESC:	7/18-LIGHTS ON COMMON & SO SIDE						
041616 NFLD ELEC DEPT	86505	0	2026 2	INV A	31.82 03-26		7/18-LIGHTS-NORTH/W		
INVOICE:		FULL DESC:	7/18-LIGHTS-NORTH/WEST SIDE COMMON						
041616 NFLD ELEC DEPT	86506	0	2026 2	INV A	16.09 03-26		7/18-TRAFFIC LIGHT		
INVOICE:		FULL DESC:	7/18-TRAFFIC LIGHT						
041616 NFLD ELEC DEPT	86507	0	2026 2	INV A	120.41 03-26		7/18-WALL STREET FL		
INVOICE:		FULL DESC:	7/18-WALL STREET FLOOD LIGHT						
041616 NFLD ELEC DEPT	86508	0	2026 2	INV A	1,395.50 03-26		7/18-TOWN ST LIGHTS		
INVOICE:		FULL DESC:	7/18-TOWN ST LIGHTS						

					1,713.60				
		ACCOUNT TOTAL			1,713.60				
		ORG 10610 TOTAL			14,849.74				
10620			PLANNING/ZONING						
10620 07010			TELEPHONE						
042768 TDS TELECOM	86571	0	2026 2	INV A	33.44 03-26		8/4-PHONE 802485541		
INVOICE:		FULL DESC:	8/4-PHONE 8024855411						
		ACCOUNT TOTAL			33.44				
10620 07020			POSTAGE						
042896 NFLD TOWN GEN FUND	86511	0	2026 2	INV A	80.77 03-26		JUL 25 POSTAGE		
INVOICE:		FULL DESC:	JUL 25 POSTAGE						
		ACCOUNT TOTAL			80.77				
10620 07050			OFFICE SUPPLIES						
055824 TRANS-VIDEO	86575	0	2026 2	INV A	12.54 03-26		AUG25 INTERNET MUN		
INVOICE:		FULL DESC:	AUG25 INTERNET .MUN BLD						
		ACCOUNT TOTAL			12.54				
10620 07170			ADVERTISING/LEGAL NOTICES						
055184 TIMES ARGUS	86573	0	2026 2	INV A	113.44 03-26		7/12DRB MEETING 000		
INVOICE: 163320		FULL DESC:	7/12DRB MEETING 00001613						
		ACCOUNT TOTAL			113.44				
		ORG 10620 TOTAL			240.19				

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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FUND 010	TOWN GENERAL FUND	TOTAL:	94,753.57
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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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ACCOUNT TOTAL	14.614,91
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ACCOUNT TOTAL	40,000.00
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3,862.31

ACCOUNT TOTAL	3,862.31
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40,518.96

ACCOUNT TOTAL	40.518.96
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ORG 36042	TOTAL	98,996.18
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ACCOUNT TOTAL	587.73
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ORG 36052	TOTAL	587.73
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FUND 360	TOWN C.I.P. FUND	TOTAL:	99,583.91
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YEAR/PERIOD: 2025/1 TO 2026/2										
ACCOUNT/VENDOR		DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

51000			ELECTRIC - BALANCE SHEET							
51000 14210			CUSTOMER ACCNT RECEIVABLE							
010117 NORTHFIELD MUNICIPAL		86439	0	2026	2 INV A	796.80	03-26	MESTAS TRUST APPLY		
INVOICE: 86439			FULL DESC: MESTAS TRUST APPLY TO TAXES							
			ACCOUNT TOTAL				796.80			
51000 23612			SALES TAX PAYABLE							
059376 VT. DEPT. OF TAXES		86582	0	2026	2 INV A	2,631.63	03-26	SALES TAX JULY 25		
INVOICE:			FULL DESC: SALES TAX JULY 25							
			ACCOUNT TOTAL				2,631.63			
51000 23615			ENERGY EFF CHARGE PAID							
039875 NECA VEEU		86584	0	2026	2 INV A	23,984.57	03-26	EEC JULY 2025		
INVOICE:			FULL DESC: EEC JULY 2025							
			ACCOUNT TOTAL				23,984.57			
51000 23620			SANDERS-LOAN BILLED CUSTOMER							
061456 VT PUBLIC POWER SUPP		86588	0	2026	2 INV A	11,815.97	03-26	JUL 2025 CABOT LOAN		
INVOICE:			FULL DESC: JUL 2025 CABOT LOAN PAYMENT							
			ACCOUNT TOTAL				11,815.97			
51000 23851			COBRA							
057050 UNITED STATES TREASU		86335	0	2025	12 INV P	.87	03-26	100470 2025HRA TX FOR CY20		
INVOICE:			FULL DESC: 2025HRA TX FOR CY2024 FORM720							
			ACCOUNT TOTAL				.87			
51000 36715			U/G N MAIN 15-BRIDGE PREPARE							
025240 DUFRESNE GROUP		86437	0	2025	12 INV A	110.00	03-26	JUNE-CONDUITS-C1 VT		
INVOICE: 19912			FULL DESC: JUNE-CONDUITS-C1 VTRANS							
			ACCOUNT TOTAL				110.00			
51000 36910			SERVICES							
030352 GREEN MTN. POWER		86425	0	2025	12 INV A	1,259.66	03-26	NEW SRVC-48MILL ST		
INVOICE: 45948			FULL DESC: NEW SRVC-48MILL ST GARAGE CUSTOMER685.16							
030352 GREEN MTN. POWER		86428	0	2025	12 INV A	876.25	03-26	NEW U/G SERVICE-FAI		
INVOICE: 45943			FULL DESC: NEW U/G SERVICE-FAIRGROUNDS							

							2,135.91			
			ACCOUNT TOTAL				2,135.91			
			ORG 51000 TOTAL				41,475.75			

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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51001				ELECTRIC - REVENUE					
51001	41915			TRANSCO NET SETTLEMENT CREDITS					
061456	VT PUBLIC POWER SUPP	86424	0	2025 12 INV A	-22,555.19	03-26		JUNE POWER BILL	
INVOICE:				FULL DESC: JUNE POWER BILL					
ACCOUNT TOTAL					-22,555.19				
ORG 51001 TOTAL					-22,555.19				
51047				ELECTRIC DEPARTMENT					
51047	40815			FUEL GROSS RECEIPTS TAX					
059376	VT. DEPT. OF TAXES	86583	0	2026 2 INV A	1,604.36	03-26		FUEL TAX JULY 2025	
INVOICE:				FULL DESC: FUEL TAX JULY 2025					
ACCOUNT TOTAL					1,604.36				
51047	40816			PILOT PAYMENT					
042896	NFLD TOWN GEN FUND	86510	0	2026 2 INV A	7,990.00	03-26		AUG 25 PILOT	
INVOICE:				FULL DESC: AUG 25 PILOT					
ACCOUNT TOTAL					7,990.00				
51047	55510			PURCHASED POWER					
061456	VT PUBLIC POWER SUPP	86424	0	2025 12 INV A	209,793.89	03-26		JUNE POWER BILL	
INVOICE:				FULL DESC: JUNE POWER BILL					
ACCOUNT TOTAL					209,793.89				
51047	58110			PLANT-SUPPLIES/SM TOOLS/EQUIP					
021684	BUSINESS CREDIT CARD	86387	0	2025 12 INV A	189.98	03-26		DIGITAL CLAMP METER	
INVOICE:				FULL DESC: DIGITAL CLAMP METERS-2					
ACCOUNT TOTAL					189.98				
51047	59310			OVERHEAD MAINT					
030352	GREEN MTN. POWER	86426	0	2025 12 INV A	1,268.47	03-26		DC/RC-35COLE AVE-2	
INVOICE: 45947				FULL DESC: DC/RC-35COLE AVE-2 TRIPS CUST 200.00					
030352	GREEN MTN. POWER	86427	0	2025 12 INV A	876.25	03-26		BLANKET-SRVC LINE 1	
INVOICE: 45945				FULL DESC: BLANKET-SRVC LINE 189JARVIS LN CUST 200.00					
030352	GREEN MTN. POWER	86429	0	2025 12 INV A	670.74	03-26		DC/RC-1124UNION-UPG	
INVOICE: 45938				FULL DESC: DC/RC-1124UNION-UPGRADE-CUST100.00					
030352	GREEN MTN. POWER	86430	0	2025 12 INV A	591.88	03-26		DC/RC-77TERRACE-MET	
INVOICE: 45936				FULL DESC: DC/RC-77TERRACE-METER BOX CUST 100.00					

					3,407.34				
ACCOUNT TOTAL					3,407.34				
51047	59710			METER MAINTENANCE					
030352	GREEN MTN. POWER	86431	0	2025 12 INV A	174.96	03-26		JUNE METER SRVCS	
INVOICE: 45925				FULL DESC: JUNE METER SRVCS					

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
ACCOUNT TOTAL					174.96		
TELEPHONE							
51047 92111							
010495 VERIZON WIRELESS	86581	0	2026	2 INV A	23.14	03-26	6/17-7/16 CELL PHON
INVOICE: 6118698477		FULL DESC: 6/17-7/16 CELL PHONE					
042768 TDS TELECOM	86571	0	2026	2 INV A	137.11	03-26	8/4-PHONE 802485541
INVOICE:		FULL DESC: 8/4-PHONE 8024855411					
042768 TDS TELECOM	86572	0	2026	2 INV A	51.71	03-26	8/4-SOLAR BONEHILL8
INVOICE:		FULL DESC: 8/4-SOLAR BONEHILL8024854903					
					188.82		
052051 RUSSO JAMES	86529	0	2026	2 INV A	12.50	03-26	AUG 25 CELL PHONE
INVOICE:		FULL DESC: AUG 25 CELL PHONE					
ACCOUNT TOTAL					224.46		
POSTAGE							
51047 92112							
042896 NFLD TOWN GEN FUND	86511	0	2026	2 INV A	754.06	03-26	JUL 25 POSTAGE
INVOICE:		FULL DESC: JUL 25 POSTAGE					
ACCOUNT TOTAL					754.06		
OFFICE SUPPLIES							
51047 92114							
030475 GROSSMAN MARKETING	86463	0	2026	2 INV A	424.60	03-26	UTILITY BILLS
INVOICE:		FULL DESC: UTILITY BILLS					
035892 MAGEE OFFICE PLUS	86471	0	2026	2 INV A	49.35	03-26	6 CASES 8.5X11 COPY
INVOICE:		FULL DESC: 6 CASES 8.5X11 COPY PAPER					
055824 TRANS-VIDEO	86575	0	2026	2 INV A	21.57	03-26	AUG25 INTERNET MUN
INVOICE:		FULL DESC: AUG25 INTERNET MUN BLD					
ACCOUNT TOTAL					495.52		
MAINTENANCE CONTRACT COMP							
51047 92119							
054400 SYMQUEST GROUP INC.	86415	0	2025	12 INV A	57.00	03-26	JUNE DUO MFA CONTRA
INVOICE: 2020402		FULL DESC: JUNE DUO MFA CONTRACT					
054400 SYMQUEST GROUP INC.	86416	0	2025	12 INV A	65.50	03-26	JUNE BACKUP CONTRAC
INVOICE: 2020577		FULL DESC: JUNE BACKUP CONTRACT					
054400 SYMQUEST GROUP INC.	86417	0	2025	12 INV A	85.50	03-26	JUNE MEDR CONTRACT
INVOICE: 2020992		FULL DESC: JUNE MEDR CONTRACT					
054400 SYMQUEST GROUP INC.	86418	0	2025	12 INV A	166.50	03-26	JUNE M365OFFICE CON
INVOICE: 2020293		FULL DESC: JUNE M365OFFICE CONTRACT					
054400 SYMQUEST GROUP INC.	86568	0	2026	2 INV A	38.71	03-26	7/25-8/24 PRINTER C
INVOICE: 2018290		FULL DESC: 7/25-8/24 PRINTER CONTRACT					
054400 SYMQUEST GROUP INC.	86569	0	2026	2 INV A	61.20	03-26	7/20-8/19 COPIER (2
INVOICE: 2017652		FULL DESC: 7/20-8/19 COPIER (2) CONTRACT					
					474.41		

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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51047	93025	SCHOOL/TRAINING				
021684	BUSINESS CREDIT CARD 86432	0	2025 12	CRM A	-550.00 03-26	CREDIT-METERING CLA
INVOICE:		FULL DESC: CREDIT-METERING CLASS-LEMIEUX				


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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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51047 93311		GASOLINE					
042896 NPLD TOWN GEN FUND	86399	0	2025 12 INV A	113.64	03-26	JUNE 25 GAS/DIESEL	
INVOICE:		FULL DESC:	JUNE 25 GAS/DIESEL				
042896 NPLD TOWN GEN FUND	86400	0	2025 12 INV A	174.05	03-26	MAY 25 GAS/DIESEL	
INVOICE:		FULL DESC:	MAY 25 GAS/DIESEL				
042896 NPLD TOWN GEN FUND	86401	0	2025 12 INV A	73.48	03-26	APRIL25 GAS/DIESEL	
INVOICE:		FULL DESC:	APRIL25 GAS/DIESEL				

				361.17			
053596 SO. VILLAGE	86545	0	2026 2 INV A	16.50	03-26	10.317 GALS GAS 7/9	
INVOICE: 7844		FULL DESC:	10.317 GALS GAS 7/9-CHEVY TRAILBLAZER				
053596 SO. VILLAGE	86547	0	2026 2 INV A	17.30	03-26	10.816 GALS GAS 7/1	
INVOICE: 604		FULL DESC:	10.816 GALS GAS 7/14 TRAILBLAZER				
053596 SO. VILLAGE	86549	0	2026 2 INV A	41.35	03-26	25.856 GALS GAS 18C	
INVOICE: 804		FULL DESC:	25.856 GALS GAS 18CHEVY 7/14				
053596 SO. VILLAGE	86552	0	2026 2 INV A	22.55	03-26	11.278 GALS GAS 7/2	
INVOICE: 5793		FULL DESC:	11.278 GALS GAS 7/22 TRAILBLAZER				
053596 SO. VILLAGE	86555	0	2026 2 INV A	49.64	03-26	32.032 GALS GAS 18C	
INVOICE: 7392		FULL DESC:	32.032 GALS GAS 18CHEVY 7/24				

				147.34			
ACCOUNT TOTAL				508.51			
ORG 51047 TOTAL				250,459.41			

FUND 510	ELECTRIC FUND	TOTAL:	269,379.97
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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

53000			WATER - BALANCE SHEET						
53000	01331		METERS						
048144	PRESCOTT, E. J.	86526	0	2026 2 INV A	1,348.88	03-26	2 METERS-NU DORMS		
INVOICE: 6508161		FULL DESC: 2 METERS-NU DORMS							
ACCOUNT TOTAL					1,348.88				
53000	02051		COBRA INSURANCE						
057050	UNITED STATES TREASU	86335	0	2025 12 INV P	1.56	03-26	100470 2025HRA TX FOR CY20		
INVOICE:		FULL DESC: 2025HRA TX FOR CY2024 FORM720							
ACCOUNT TOTAL					1.56				
ORG 53000 TOTAL					1,350.44				
53045			WATER DEPARTMENT						
53045	06010		PROFESSIONAL SERVICES						
014078	BEATTY, ROSE E.	86369	0	2025 12 INV A	360.00	03-26	TREE TAPPING INSPEC		
INVOICE: 2456		FULL DESC: TREE TAPPING INSPECTION							
ACCOUNT TOTAL					360.00				
53045	06100		AUDITS						
033637	KITTELL BRANAGAN & S	86465	0	2026 2 INV A	217.50	03-26	PROGRESS BILL STAND		
INVOICE: 98457		FULL DESC: PROGRESS BILL STAND. AUDIT FY24-25							
ACCOUNT TOTAL					217.50				
53045	06220		MAINTENANCE CONTRACTS						
054400	SYMQUEST GROUP INC.	86415	0	2025 12 INV A	33.06	03-26	JUNE DUO MFA CONTRA		
INVOICE: 2020402		FULL DESC: JUNE DUO MFA CONTRACT							
054400	SYMQUEST GROUP INC.	86416	0	2025 12 INV A	37.99	03-26	JUNE BACKUP CONTRAC		
INVOICE: 2020577		FULL DESC: JUNE BACKUP CONTRACT							
054400	SYMQUEST GROUP INC.	86417	0	2025 12 INV A	49.59	03-26	JUNE MEDR CONTRACT		
INVOICE: 2020992		FULL DESC: JUNE MEDR CONTRACT							
054400	SYMQUEST GROUP INC.	86418	0	2025 12 INV A	96.57	03-26	JUNE M365OFFICE CON		
INVOICE: 2020293		FULL DESC: JUNE M365OFFICE CONTRACT							
054400	SYMQUEST GROUP INC.	86568	0	2026 2 INV A	22.45	03-26	7/25-8/24 PRINTER C		
INVOICE: 2018290		FULL DESC: 7/25-8/24 PRINTER CONTRACT							
054400	SYMQUEST GROUP INC.	86569	0	2026 2 INV A	36.00	03-26	7/20-8/19 COPIER (2		
INVOICE: 2017652		FULL DESC: 7/20-8/19 COPIER (2) CONTRACT							
					275.66				
ACCOUNT TOTAL					275.66				
53045	06380		HEALTH ADMIN/FEES						
057050	UNITED STATES TREASU	86335	0	2025 12 INV P	5.92	03-26	100470 2025HRA TX FOR CY20		
INVOICE:		FULL DESC: 2025HRA TX FOR CY2024 FORM720							
ACCOUNT TOTAL					5.92				

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

53045 06510			TESTING				
026230 ENDYNE, INC	86460	0	2026	2 INV A	25.00	03-26	7/16-COLIFORM TEST
INVOICE: 540116			FULL DESC:	7/16-COLIFORM TEST			
			ACCOUNT TOTAL		25.00		
53045 07010			TELEPHONE				
010495 VERIZON WIRELESS	86581	0	2026	2 INV A	34.19	03-26	6/17-7/16 CELL PHON
INVOICE: 6118698477			FULL DESC:	6/17-7/16 CELL PHONE			
042768 TDS TELECOM	86571	0	2026	2 INV A	150.48	03-26	8/4-PHONE 802485541
INVOICE:			FULL DESC:	8/4-PHONE 8024855411			
052051 RUSSO JAMES	86529	0	2026	2 INV A	22.50	03-26	AUG 25 CELL PHONE
INVOICE:			FULL DESC:	AUG 25 CELL PHONE			
			ACCOUNT TOTAL		207.17		
53045 07020			POSTAGE				
042896 NFLD TOWN GEN FUND	86511	0	2026	2 INV A	347.18	03-26	JUL 25 POSTAGE
INVOICE:			FULL DESC:	JUL 25 POSTAGE			
			ACCOUNT TOTAL		347.18		
53045 07050			OFFICE SUPPLIES				
030475 GROSSMAN MARKETING	86463	0	2026	2 INV A	246.27	03-26	UTILITY BILLS
INVOICE:			FULL DESC:	UTILITY BILLS			
035892 MAGEE OFFICE PLUS	86471	0	2026	2 INV A	28.36	03-26	6 CASES 8.5X11 COPY
INVOICE:			FULL DESC:	6 CASES 8.5X11 COPY PAPER			
055824 TRANS-VIDEO	86575	0	2026	2 INV A	8.66	03-26	AUG25 INTERNET MUN
INVOICE:			FULL DESC:	AUG25 INTERNET MUN BLD			
055824 TRANS-VIDEO	86578	0	2026	2 INV A	26.97	03-26	AUG25-INTERNET-W/S
INVOICE:			FULL DESC:	AUG25-INTERNET-W/S			

					35.63		
			ACCOUNT TOTAL		310.26		
53045 07060			OFFICE EQUIPMENT/MAINTENANCE				
021684 BUSINESS CREDIT CARD	86455	0	2026	2 INV A	194.39	03-26	CANON COLOR PRINTER
INVOICE:			FULL DESC:	CANON COLOR PRINTER-W/S			
			ACCOUNT TOTAL		194.39		
53045 07282			PILOT PAYMENT				
042896 NFLD TOWN GEN FUND	86510	0	2026	2 INV A	1,560.00	03-26	AUG 25 PILOT
INVOICE:			FULL DESC:	AUG 25 PILOT			
			ACCOUNT TOTAL		1,560.00		

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YEAR/PERIOD: 2025/1 TO 2026/2

ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

53045 08010							ELECTRICITY
041616 NFLD ELEC DEPT	86489	0	2026	2 INV A	16.09 03-26		7/18-WATER PUMP VAU
INVOICE:		FULL DESC:	7/18-WATER PUMP VAULT (GARVEY)				
041616 NFLD ELEC DEPT	86490	0	2026	2 INV A	18.81 03-26		7/18-CHENEY FARM VA
INVOICE:		FULL DESC:	7/18-CHENEY FARM VAULT				

					34.90		
					ACCOUNT TOTAL	34.90	
53045 08013							ELECTRIC-SOLAR
052905 SENIOR RENEWABLES, L 86539		0	2026	2 INV A	3,170.56 03-26		BULLRUN SOLAR-JULY
INVOICE: 190		FULL DESC:	BULLRUN SOLAR-JULY				
					ACCOUNT TOTAL	3,170.56	
53045 08070							GASOLINE/DIESEL
042896 NFLD TOWN GEN FUND	86399	0	2025	12 INV A	117.96 03-26		JUNE 25 GAS/DIESEL
INVOICE:		FULL DESC:	JUNE 25 GAS/DIESEL				
042896 NFLD TOWN GEN FUND	86400	0	2025	12 INV A	201.37 03-26		MAY 25 GAS/DIESEL
INVOICE:		FULL DESC:	MAY 25 GAS/DIESEL				
042896 NFLD TOWN GEN FUND	86401	0	2025	12 INV A	141.76 03-26		APRIL25 GAS/DIESEL
INVOICE:		FULL DESC:	APRIL25 GAS/DIESEL				

					461.09		
053596 SO. VILLAGE	86545	0	2026	2 INV A	9.57 03-26		10.317 GALS GAS 7/9
INVOICE: 7844		FULL DESC:	10.317 GALS GAS 7/9-CHEVY TRAILBLAZER				
053596 SO. VILLAGE	86547	0	2026	2 INV A	10.03 03-26		10.816 GALS GAS 7/1
INVOICE: 604		FULL DESC:	10.816 GALS GAS 7/14 TRAILBLAZER				
053596 SO. VILLAGE	86549	0	2026	2 INV A	41.36 03-26		25.856 GALS GAS 18C
INVOICE: 804		FULL DESC:	25.856 GALS GAS 18CHEVY 7/14				
053596 SO. VILLAGE	86552	0	2026	2 INV A	13.08 03-26		11.278 GALS GAS 7/2
INVOICE: 5793		FULL DESC:	11.278 GALS GAS 7/22 TRAILBLAZER				
053596 SO. VILLAGE	86555	0	2026	2 INV A	49.63 03-26		32.032 GALS GAS 18C
INVOICE: 7392		FULL DESC:	32.032 GALS GAS 18CHEVY 7/24				

					123.67		
					ACCOUNT TOTAL	584.76	
53045 08100							CHEMICALS
011024 ALLEN ENGIN	86442	0	2026	2 INV A	417.50 03-26		100GALS LIQ CHLORIN
INVOICE:		FULL DESC:	100GALS LIQ CHLORINE-7/15				
					ACCOUNT TOTAL	417.50	
53045 08250							EQUIPMENT MAINTENANCE
052611 SANEL NAPA	86531	0	2026	2 INV A	2.94 03-26		ADAPTER-HYDRANT FLU
INVOICE: 532352		FULL DESC:	ADAPTER-HYDRANT FLUSHER				

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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		ACCOUNT TOTAL	2.94
53045	08300	DEPARTMENT SUPPLIES	
010128	ACE HARDWARE	86338	0 2025 12 INV A 4.19 03-26 PROPANE TANK-HANDHE
INVOICE:		FULL DESC:	PROPANE TANK-HANDHELD TORCH W/S
010128	ACE HARDWARE	86344	0 2025 12 INV A 31.19 03-26 DRILL BIT-W/S
INVOICE:		FULL DESC:	DRILL BIT-W/S
010128	ACE HARDWARE	86356	0 2025 12 INV A 36.99 03-26 ALUM SHOVEL-WATER-H
INVOICE:		FULL DESC:	ALUM SHOVEL-WATER-HYDRANTS

			72.37
048144	PRESCOTT, E. J.	86525	0 2026 2 INV A 339.56 03-26 COUPLINGS/TUBE STIF
INVOICE: 6512819		FULL DESC:	COUPLINGS/TUBE STIFFENER-WTR
052611	SANEL NAPA	86533	0 2026 2 INV A 17.40 03-26 STOCK CONNECTORS-W/
INVOICE: 532461		FULL DESC:	STOCK CONNECTORS-W/S
052611	SANEL NAPA	86536	0 2026 2 INV A 4.31 03-26 COTT PIN, CARB CHOK
INVOICE: 532624		FULL DESC:	COTT PIN, CARB CHOKE CLEANER

			21.71
		ACCOUNT TOTAL	433.64
53045	08460	EQUIPMENT/TOOL PURCHASE	
010128	ACE HARDWARE	86337	0 2025 12 INV A 22.31 03-26 4 1/8 HOLE SAW-W/S
INVOICE:		FULL DESC:	4 1/8 HOLE SAW-W/S TOOLS
		ACCOUNT TOTAL	22.31
ORG 53045		TOTAL	8,169.69
=====			
FUND 530 WATER FUND		TOTAL:	9,520.13

YEAR/PERIOD: 2025/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

55000			SEWER - BALANCE SHEET						
55000	01331		METERS						
048144	PRESCOTT, E. J.	86526	0	2026	2 INV A	899.26	03-26	2 METERS-NU DORMS	
INVOICE: 6508161			FULL DESC: 2 METERS-NU DORMS						
					ACCOUNT TOTAL	899.26			
55000	01562		EQUIP REBUILDS-PLANT						
012380	AQUA-AEROBIC SYSTEMS	86438	0	2025	12 INV A	12,343.93	03-26	SBR MOTOR-PARTS/KIT	
INVOICE: 1048095			FULL DESC: SBR MOTOR-PARTS/KIT						
033830	LCS CONTROLS, INC.	86468	0	2026	2 INV A	1,397.00	03-26	REPLACE MOTOR START	
INVOICE: 14835			FULL DESC: REPLACE MOTOR STARTER-SBR MIXER						
036890	MAYO CRANE RENTAL	86472	0	2026	2 INV A	740.00	03-26	CRANE RENTAL-4HRS-S	
INVOICE: 1768			FULL DESC: CRANE RENTAL-4HRS-SBR MOTOR-7/10						
					ACCOUNT TOTAL	14,480.93			
55000	02051		COBRA INSURANCE						
057050	UNITED STATES TREASU	86335	0	2025	12 INV P	1.04	03-26	100470 2025HRA TX FOR CY20	
INVOICE:			FULL DESC: 2025HRA TX FOR CY2024 FORM720						
					ACCOUNT TOTAL	1.04			
					ORG 55000	TOTAL	15,381.23		
55046			SEWER DEPARTMENT						
55046	06100		AUDITS						
033637	KITTELL BRANAGAN & S	86465	0	2026	2 INV A	157.50	03-26	PROGRESS BILL STAND	
INVOICE: 98457			FULL DESC: PROGRESS BILL STAND. AUDIT FY24-25						
					ACCOUNT TOTAL	157.50			
55046	06220		MAINTENANCE CONTRACTS						
054400	SYMQUEST GROUP INC.	86415	0	2025	12 INV A	23.94	03-26	JUNE DUO MFA CONTRA	
INVOICE: 2020402			FULL DESC: JUNE DUO MFA CONTRACT						
054400	SYMQUEST GROUP INC.	86416	0	2025	12 INV A	27.51	03-26	JUNE BACKUP CONTRAC	
INVOICE: 2020577			FULL DESC: JUNE BACKUP CONTRACT						
054400	SYMQUEST GROUP INC.	86417	0	2025	12 INV A	35.91	03-26	JUNE MEDR CONTRACT	
INVOICE: 2020992			FULL DESC: JUNE MEDR CONTRACT						
054400	SYMQUEST GROUP INC.	86418	0	2025	12 INV A	69.93	03-26	JUNE M365OFFICE CON	
INVOICE: 2020293			FULL DESC: JUNE M365OFFICE CONTRACT						
054400	SYMQUEST GROUP INC.	86568	0	2026	2 INV A	16.25	03-26	7/25-8/24 PRINTER C	
INVOICE: 2018290			FULL DESC: 7/25-8/24 PRINTER CONTRACT						
054400	SYMQUEST GROUP INC.	86569	0	2026	2 INV A	25.20	03-26	7/20-8/19 COPIER (2	
INVOICE: 2017652			FULL DESC: 7/20-8/19 COPIER (2) CONTRACT						

						198.74			
					ACCOUNT TOTAL	198.74			

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YEAR/PERIOD: 2025/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

55046 06380			HEALTH ADMIN/FEES						
057050 UNITED STATES TREASU	86335	0	2025 12	INV P	3.96 03-26		100470	2025HRA TX FOR CY20	
INVOICE:		FULL DESC:	2025HRA TX FOR CY2024 FORM720						
			ACCOUNT TOTAL		3.96				
55046 06500			SLUDGE MANAGEMENT						
026264 ENGLOBE CORP	86371	0	2025 12	INV A	11,035.56 03-26			66.87 TONS-WW BIOSO	
INVOICE:		FULL DESC:	66.87 TONS-WW BIOSOLID-JUNE						
			ACCOUNT TOTAL		11,035.56				
55046 06510			TESTING-SAMPLING						
026230 ENDYNE, INC	86459	0	2026 2	INV A	215.00 03-26			7/2-WW	
INVOICE: 539872		FULL DESC:	7/2-WW						
			ACCOUNT TOTAL		215.00				
55046 07010			TELEPHONE						
010495 VERIZON WIRELESS	86581	0	2026 2	INV A	23.10 03-26			6/17-7/16 CELL PHON	
INVOICE: 6118698477		FULL DESC:	6/17-7/16 CELL PHONE						
042768 TDS TELECOM	86571	0	2026 2	INV A	58.62 03-26			8/4-PHONE 802485541	
INVOICE:		FULL DESC:	8/4-PHONE 8024855411						
052051 RUSSO JAMES	86529	0	2026 2	INV A	15.00 03-26			AUG 25 CELL PHONE	
INVOICE:		FULL DESC:	AUG 25 CELL PHONE						
			ACCOUNT TOTAL		96.72				
55046 07020			POSTAGE						
042896 NFLD TOWN GEN FUND	86511	0	2026 2	INV A	368.06 03-26			JUL 25 POSTAGE	
INVOICE:		FULL DESC:	JUL 25 POSTAGE						
			ACCOUNT TOTAL		368.06				
55046 07050			OFFICE SUPPLIES						
030475 GROSSMAN MARKETING	86463	0	2026 2	INV A	178.33 03-26			UTILITY BILLS	
INVOICE:		FULL DESC:	UTILITY BILLS						
035892 MAGEE OFFICE PLUS	86471	0	2026 2	INV A	20.46 03-26			6 CASES 8.5X11 COPY	
INVOICE:		FULL DESC:	6 CASES 8.5X11 COPY PAPER						
055824 TRANS-VIDEO	86575	0	2026 2	INV A	5.78 03-26			AUG25 INTERNET MUN	
INVOICE:		FULL DESC:	AUG25 INTERNET MUN BLD						
055824 TRANS-VIDEO	86578	0	2026 2	INV A	17.98 03-26			AUG25-INTERNET-W/S	
INVOICE:		FULL DESC:	AUG25-INTERNET-W/S						
					23.76				
			ACCOUNT TOTAL		222.55				

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YEAR/PERIOD: 2025/1 TO 2026/2

ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION

55046 07060							OFFICE EQUIPMENT/MAINTENANCE
021684 BUSINESS CREDIT CARD 86455		0	2026	2 INV A	129.60	03-26	CANON COLOR PRINTER
INVOICE:	FULL DESC:	CANON COLOR PRINTER-W/S					
	ACCOUNT TOTAL				129.60		
55046 07070							DUES/MEETINGS/SUBSCRIPTIONS
021684 BUSINESS CREDIT CARD 86452		0	2026	2 INV A	275.00	03-26	SWR LICENSE RENEW-J
INVOICE:	FULL DESC:	SWR LICENSE RENEW-JR					
021684 BUSINESS CREDIT CARD 86453		0	2026	2 INV A	275.00	03-26	SWR LICENSE RENEW-J
INVOICE:	FULL DESC:	SWR LICENSE RENEW-JENSEN					
021684 BUSINESS CREDIT CARD 86454		0	2026	2 INV A	275.00	03-26	SWR LICENSE RENEW-P
INVOICE:	FULL DESC:	SWR LICENSE RENEW-PDEMASI					
					825.00		
	ACCOUNT TOTAL				825.00		
55046 07282							PILOT PAYMENT
042896 NFLD TOWN GEN FUND 86510		0	2026	2 INV A	3,936.00	03-26	AUG 25 PILOT
INVOICE:	FULL DESC:	AUG 25 PILOT					
	ACCOUNT TOTAL				3,936.00		
55046 07350							LEASE AGREEMENTS
018320 CV PROPERTIES 86458		0	2026	2 INV A	100.00	03-26	8/2025-7/2026 PIPE
INVOICE: 9500275404	FULL DESC:	8/2025-7/2026 PIPE KING 887473					
	ACCOUNT TOTAL				100.00		
55046 08010							ELECTRICITY
041616 NFLD ELEC DEPT 86491		0	2026	2 INV A	27.25	03-26	7/18-JARVIS LANE
INVOICE:	FULL DESC:	7/18-JARVIS LANE					
	ACCOUNT TOTAL				27.25		
55046 08013							ELECTRIC-SOLAR
052905 SENIOR RENEWABLES, L 86539		0	2026	2 INV A	5,665.85	03-26	BULLRUN SOLAR-JULY
INVOICE: 190	FULL DESC:	BULLRUN SOLAR-JULY					
	ACCOUNT TOTAL				5,665.85		
55046 08030							WATER
043552 NORTHFIELD 86512		0	2026	2 INV A	1,981.83	03-26	7/18-SEWER PLANT
INVOICE:	FULL DESC:	7/18-SEWER PLANT					
	ACCOUNT TOTAL				1,981.83		
55046 08070							GASOLINE/DIESEL
042896 NFLD TOWN GEN FUND 86399		0	2025	12 INV A	296.62	03-26	JUNE 25 GAS/DIESEL
INVOICE:	FULL DESC:	JUNE 25 GAS/DIESEL					


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ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

042896 NFLD TOWN GEN FUND	86400		0	2025	12	INV A	242.15	03-26	MAY 25 GAS/DIESEL
INVOICE:		FULL DESC:	MAY 25 GAS/DIESEL						
042896 NFLD TOWN GEN FUND	86401		0	2025	12	INV A	276.74	03-26	APRIL25 GAS/DIESEL
INVOICE:		FULL DESC:	APRIL25 GAS/DIESEL						

							815.51		
053596 SO. VILLAGE	86545		0	2026	2	INV A	6.93	03-26	10.317 GALS GAS 7/9
INVOICE: 7844		FULL DESC:	10.317 GALS GAS 7/9-CHEVY TRAILBLAZER						
053596 SO. VILLAGE	86547		0	2026	2	INV A	7.27	03-26	10.816 GALS GAS 7/1
INVOICE: 604		FULL DESC:	10.816 GALS GAS 7/14 TRAILBLAZER						
053596 SO. VILLAGE	86552		0	2026	2	INV A	9.47	03-26	11.278 GALS GAS 7/2
INVOICE: 5793		FULL DESC:	11.278 GALS GAS 7/22 TRAILBLAZER						
053596 SO. VILLAGE	86561		0	2026	2	INV A	152.97	03-26	47.818 GALS GAS 7/3
INVOICE: 1736		FULL DESC:	47.818 GALS GAS 7/31-24CHEVY						

							176.64		
							ACCOUNT TOTAL	992.15	
55046 08180									
010128 ACE HARDWARE	86345		0	2025	12	INV A	26.99	03-26	1PVC EXP-CHEMICAL L
INVOICE:		FULL DESC:	1PVC EXP-CHEMICAL LINES-CHLORINE ANALYZER						
010128 ACE HARDWARE	86346		0	2025	12	INV A	7.96	03-26	3/4 90 PVC-CHEMICAL
INVOICE:		FULL DESC:	3/4 90 PVC-CHEMICAL LINES-CHLORINE ANALYZER						
010128 ACE HARDWARE	86347		0	2025	12	INV A	5.56	03-26	3/4 COUPLING-CHLORI
INVOICE:		FULL DESC:	3/4 COUPLING-CHLORINE ANALYZER						
010128 ACE HARDWARE	86348		0	2025	12	INV A	4.99	03-26	LB EXPANSION COUPLI
INVOICE:		FULL DESC:	LB EXPANSION COUPLING-CHLORINE ANALYZER						
010128 ACE HARDWARE	86349		0	2025	12	INV A	1.99	03-26	3/4 90 PVC EXPANSIO
INVOICE:		FULL DESC:	3/4 90 PVC EXPANSION-CHLORINE ANALYZER						
010128 ACE HARDWARE	86350		0	2025	12	INV A	29.98	03-26	3/4 PVC CONDUIT-CHL
INVOICE:		FULL DESC:	3/4 PVC CONDUIT-CHLORINE ANALYZER						
010128 ACE HARDWARE	86351		0	2025	12	INV A	15.98	03-26	3/4 LB EXPANSION CO
INVOICE:		FULL DESC:	3/4 LB EXPANSION COUPLING-CHLORINE ANALYZER						
010128 ACE HARDWARE	86352		0	2025	12	INV A	3.98	03-26	3/4 90 PVC-CHLORINE
INVOICE:		FULL DESC:	3/4 90 PVC-CHLORINE ANALYZER						
010128 ACE HARDWARE	86353		0	2025	12	INV A	1.18	03-26	3/4 COUPLING-CHLORI
INVOICE:		FULL DESC:	3/4 COUPLING-CHLORINE ANALYZER						
010128 ACE HARDWARE	86354		0	2025	12	INV A	5.98	03-26	3/4X1/8 BUSHING-CHL
INVOICE:		FULL DESC:	3/4X1/8 BUSHING-CHLORINE ANALYZER						
010128 ACE HARDWARE	86355		0	2025	12	INV A	7.98	03-26	PVC WATER-CHLORINE
INVOICE:		FULL DESC:	PVC WATER-CHLORINE ANALYZER						

							112.57		
							ACCOUNT TOTAL	112.57	
55046 08250									
052611 SANEL NAPA	86534		0	2026	2	INV A	4.41	03-26	CONNECTOR-SLUDGE PU
INVOICE: 532466		FULL DESC:	CONNECTOR-SLUDGE PUMP SBR						

YEAR/PERIOD: 2025/1 TO 2026/2										
ACCOUNT/VENDOR		DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION
ACCOUNT TOTAL								4.41		
55046	08300	DEPARTMENT SUPPLIES								
010128	ACE HARDWARE	86338	0		2025 12	INV	A	2.80	03-26	PROPANE TANK-HANDHE
INVOICE:		FULL DESC:	PROPANE TANK-HANDHELD TORCH W/S							
010128	ACE HARDWARE	86344	0		2025 12	INV	A	20.80	03-26	DRILL BIT-W/S
INVOICE:		FULL DESC:	DRILL BIT-W/S							

								23.60		
021684	BUSINESS CREDIT CARD	86456	0		2026 2	INV	A	21.98	03-26	WEDGE ANCHORS/SCREW
INVOICE:		FULL DESC:	WEDGE ANCHORS/SCREWS KIT-SWR							
052611	SANEL NAPA	86533	0		2026 2	INV	A	11.60	03-26	STOCK CONNECTORS-W/
INVOICE: 532461		FULL DESC:	STOCK CONNECTORS-W/S							
052611	SANEL NAPA	86536	0		2026 2	INV	A	2.87	03-26	COTT PIN, CARB CHOK
INVOICE: 532624		FULL DESC:	COTT PIN, CARB CHOKE CLEANER							

								14.47		
ACCOUNT TOTAL								60.05		
55046	08460	EQUIPMENT/TOOL PURCHASE								
010128	ACE HARDWARE	86337	0		2025 12	INV	A	14.88	03-26	4 1/8 HOLE SAW-W/S
INVOICE:		FULL DESC:	4 1/8 HOLE SAW-W/S TOOLS							
ACCOUNT TOTAL								14.88		
ORG 55046 TOTAL								26,147.68		
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FUND 550 SEWER FUND					TOTAL:		41,528.91			
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YEAR/PERIOD: 2026/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

10140		TOWN CLERK/TREASURER							
10140 05152		HRA							
039617 MVP-HRA	86314	0	2026	1 DIR P	260.96 03-26A	3369	JULY 8,2025 HRA CLA		
INVOICE:		FULL DESC: JULY 8,2025 HRA CLAIMS CK							
		ACCOUNT TOTAL			260.96				
		ORG 10140	TOTAL		260.96				
10420		HIGHWAY DEPT							
10420 05152		HRA							
039617 MVP-HRA	86314	0	2026	1 DIR P	102.72 03-26A	3369	JULY 8,2025 HRA CLA		
INVOICE:		FULL DESC: JULY 8,2025 HRA CLAIMS CK							
		ACCOUNT TOTAL			102.72				
		ORG 10420	TOTAL		102.72				
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FUND 010 TOWN GENERAL FUND					TOTAL:	363.68			
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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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0140		TOWN CLERK/TREASURER					
0140	05152		HRA				
039617 MVP-HRA	86315	0	2026	1 DIR P	23.14	03-26B	3370 JULY 15,2025 HRA CL
INVOICE:	FULL DESC: JULY 15,2025 HRA CLAIMS CARD						
ACCOUNT TOTAL					23.14		
ORG 10140				TOTAL	23.14		
0420		HIGHWAY DEPT					
0420	05152		HRA				
039617 MVP-HRA	86315	0	2026	1 DIR P	15.00	03-26B	3370 JULY 15,2025 HRA CL
INVOICE:	FULL DESC: JULY 15,2025 HRA CLAIMS CARD						
ACCOUNT TOTAL					15.00		
ORG 10420				TOTAL	15.00		
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FUND 010	TOWN GENERAL FUND	TOTAL:			38.14		
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** END OF REPORT - Generated by Tanya Law **

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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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ACCOUNT TOTAL	269.73
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ACCOUNT TOTAL	273.11
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ORG 10230	TOTAL	273.11
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FUND 010	TOWN GENERAL FUND	TOTAL:	542.84
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ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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FUND 510	ELECTRIC FUND	TOTAL:	149.34
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FUND 510	ELECTRIC FUND	TOTAL:	149.34
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YEAR/PERIOD: 2026/1 TO 2026/2

ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION
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53045	WATER DEPARTMENT									
53045	05152	HRA								
039617 MVP-HRA	86316	0	2026	1	DIR	P	51.34	03-26C	3371	JULY 15, 2025 HRA C
INVOICE:	FULL DESC: JULY 15, 2025 HRA CLAIMS CK									
ACCOUNT TOTAL							51.34			
ORG 53045 TOTAL							51.34			

FUND 530	WATER FUND	TOTAL:	51.34
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YEAR/PERIOD: 2026/1 TO 2026/2										
ACCOUNT/VENDOR		DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

55046			SEWER DEPARTMENT							
55046 05152			HRA							
039617 MVP-HRA		86316	0	2026	1 DIR P	32.67 03-26C		3371	JULY 15, 2025 HRA C	
INVOICE:		FULL DESC: JULY 15, 2025 HRA CLAIMS CK								
ACCOUNT TOTAL						32.67				
ORG 55046 TOTAL						32.67				
=====										
FUND 550		SEWER FUND		TOTAL:		32.67				
=====										

YEAR/PERIOD: 2026/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

10230									ACCOUNTING
10230	05152								HRA
039617 MVP-HRA	86317	0		2026	1	DIR P	.78 03-26D	3372	JULY 22,2025 HRA CL
INVOICE:									FULL DESC: JULY 22,2025 HRA CLAIMS CARD
									ACCOUNT TOTAL .78
									ORG 10230 TOTAL .78
10420									HIGHWAY DEPT
10420	05152								HRA
039617 MVP-HRA	86317	0		2026	1	DIR P	1.64 03-26D	3372	JULY 22,2025 HRA CL
INVOICE:									FULL DESC: JULY 22,2025 HRA CLAIMS CARD
									ACCOUNT TOTAL 1.64
									ORG 10420 TOTAL 1.64
10645									ECONOMIC DEVELOPMENT
10645	05152								HRA
039617 MVP-HRA	86317	0		2026	1	DIR P	3.32 03-26D	3372	JULY 22,2025 HRA CL
INVOICE:									FULL DESC: JULY 22,2025 HRA CLAIMS CARD
									ACCOUNT TOTAL 3.32
									ORG 10645 TOTAL 3.32
=====									
FUND 010 TOWN GENERAL FUND				TOTAL:			5.74		
=====									

YEAR/PERIOD: 2026/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER PO	YEAR/PR	TYP S	WARRANT	CHECK	DESCRIPTION		

10420		HIGHWAY DEPT							
10420	05152		HRA						
039617 MVP-HRA	86318	0	2026	1 DIR P	84.00 03-26E		3373	JULY 22,2025	HRA CL
INVOICE:		FULL DESC:	JULY 22,2025	HRA CLAIMS CK					
				ACCOUNT TOTAL	84.00				
			ORG 10420	TOTAL	84.00				
=====									
FUND 010	TOWN GENERAL FUND			TOTAL:	84.00				
=====									

YEAR/PERIOD: 2026/1 TO 2026/2									
ACCOUNT/VENDOR	DOCUMENT	VOUCHER	PO	YEAR/PR	TYP	S	WARRANT	CHECK	DESCRIPTION

10230									ACCOUNTING
10230	05152								HRA
039617 MVP-HRA	86336	0		2026	1	DIR P	806.03 03-26F	3374	JULY 29, 2025 HRA C
INVOICE:									FULL DESC: JULY 29, 2025 HRA CLAIMS CK
							ACCOUNT TOTAL		806.03
							ORG 10230 TOTAL		806.03
=====									
FUND 010	TOWN GENERAL FUND						TOTAL:		806.03
=====									

TOWN OF NORTHFIELD



GENERAL LEDGER DISTRIBUTION JOURNAL: BIWEEKLY

WARRANT 022526

PAY PERIOD 07/07/2025 to 07/20/2025

CHECK DATE 07/25/2025

YEAR 2026 PERIOD 1
EXPENDITURE ENTRIES
SHORT DESC 07/25/25PR

GL EFF DATE 07/25/2025
REFERENCE 022526
REFERENCE2 1022526

ORG	OBJECT	PROJECT	ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
YEAR 2026	PERIOD 1			GL EFF DATE 07/25/2025	
10130	05020		TOWN MANAGER	APPOINTED	2,384.75
10130	05050		TOWN MANAGER	CLERICAL	1,324.35
10130	05154		TOWN MANAGER	HEALTH INSURANCE PREMIUM	951.10
10130	05156		TOWN MANAGER	DENTAL INSURANCE	40.62
10130	05158		TOWN MANAGER	LIFE/DISABILITY INSURANCE	87.46
10130	05170		TOWN MANAGER	FICA	265.43
10130	05175		TOWN MANAGER	CHILD CARE CONTRIB TAX	14.00
10130	05180		TOWN MANAGER	RETIREMENT-VMERS	239.10
10140	05010		TOWN CLERK/TREASURER	ELECTED	2,766.41
10140	05012		TOWN CLERK/TREASURER	ELECTED TREASURER	212.00
10140	05020		TOWN CLERK/TREASURER	APPOINTED	1,889.25
10140	05154		TOWN CLERK/TREASURER	HEALTH INSURANCE PREMIUM	2,024.24
10140	05156		TOWN CLERK/TREASURER	DENTAL INSURANCE	98.97
10140	05158		TOWN CLERK/TREASURER	LIFE/DISABILITY INSURANCE	122.79
10140	05170		TOWN CLERK/TREASURER	FICA	333.30
10140	05175		TOWN CLERK/TREASURER	CHILD CARE CONTRIB TAX	17.37
10140	05180		TOWN CLERK/TREASURER	RETIREMENT-VMERS	279.34
10230	05050		ACCOUNTING	CLERICAL	2,217.31
10230	05154		ACCOUNTING	HEALTH INSURANCE PREMIUM	420.84
10230	05156		ACCOUNTING	DENTAL INSURANCE	19.89
10230	05158		ACCOUNTING	LIFE/DISABILITY INSURANCE	53.01
10230	05170		ACCOUNTING	FICA	161.58
10230	05175		ACCOUNTING	CHILD CARE CONTRIB TAX	8.65
10230	05180		ACCOUNTING	RETIREMENT-VMERS	160.75
10260	05010		LISTERS	ELECTED	360.00
10260	05070		LISTERS	PART-TIME	702.24
10260	05170		LISTERS	FICA	81.26
10260	05175		LISTERS	CHILD CARE CONTRIB TAX	4.67
10330	05030		POLICE DEPARTMENT	SUPERVISOR	3,888.00
10330	05040		POLICE DEPARTMENT	OFFICERS	3,973.11
10330	05050		POLICE DEPARTMENT	CLERICAL	3,173.60
10330	05080		POLICE DEPARTMENT	OVERTIME	2,000.27
10330	05154		POLICE DEPARTMENT	HEALTH INSURANCE PREMIUM	2,129.97
10330	05156		POLICE DEPARTMENT	DENTAL INSURANCE	123.45
10330	05158		POLICE DEPARTMENT	LIFE/DISABILITY INSURANCE	217.48
10330	05170		POLICE DEPARTMENT	FICA	959.62
10330	05175		POLICE DEPARTMENT	CHILD CARE CONTRIB TAX	48.67
10330	05180		POLICE DEPARTMENT	RETIREMENT-VMERS	1,352.26
10340	05030		AMBULANCE DEPARTMENT	SUPERVISOR	3,024.00
10340	05070		AMBULANCE DEPARTMENT	PART-TIME	5,280.75
10340	05072		AMBULANCE DEPARTMENT	RUN PAY	1,150.00
10340	05073		AMBULANCE DEPARTMENT	TRAINING PAY	284.68
10340	05083		AMBULANCE DEPARTMENT	OT - HALF RATE ONLY	187.64
10340	05090		AMBULANCE DEPARTMENT	STANDBY/ON CALL	1,109.50
10340	05091		AMBULANCE DEPARTMENT	WEEKEND SUPERVISOR	250.00
10340	05110		AMBULANCE DEPARTMENT	NON EMERGENCY TRANSFERS	87.75
10340	05111		AMBULANCE DEPARTMENT	TRANSFER CREW-PD SHIFT	558.00

TOWN OF NORTHFIELD



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YEAR 2026 PERIOD 1
EXPENDITURE ENTRIES
SHORT DESC 07/25/25PR

GL EFF DATE 07/25/2025
REFERENCE 022526
REFERENCE2 1022526

ORG	OBJECT	PROJECT	ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
10340	05151		AMBULANCE DEPARTMENT	EMPLOYEE HEALTH BUYOUT	500.00
10340	05156		AMBULANCE DEPARTMENT	DENTAL INSURANCE	63.02
10340	05158		AMBULANCE DEPARTMENT	LIFE/DISABILITY INSURANCE	78.96
10340	05170		AMBULANCE DEPARTMENT	FICA	950.83
10340	05175		AMBULANCE DEPARTMENT	CHILD CARE CONTRIB TAX	52.95
10340	05180		AMBULANCE DEPARTMENT	RETIREMENT-VMERS	228.38
10420	05040		HIGHWAY DEPT	TECHNICAL	14,044.18
10420	05080		HIGHWAY DEPT	OVERTIME	182.16
10420	05151		HIGHWAY DEPT	EMPLOYEE HEALTH BUYOUT	500.00
10420	05154		HIGHWAY DEPT	HEALTH INSURANCE PREMIUM	2,621.79
10420	05156		HIGHWAY DEPT	DENTAL INSURANCE	185.66
10420	05158		HIGHWAY DEPT	LIFE/DISABILITY INSURANCE	321.13
10420	05170		HIGHWAY DEPT	FICA	1,103.10
10420	05175		HIGHWAY DEPT	CHILD CARE CONTRIB TAX	58.18
10420	05180		HIGHWAY DEPT	RETIREMENT-VMERS	997.66
10520	05040		GROUNDSPARKS/FACILITIES	TECHNICAL	1,000.41
10520	05080		GROUNDSPARKS/FACILITIES	OVERTIME	18.76
10520	05154		GROUNDSPARKS/FACILITIES	HEALTH INSURANCE PREMIUM	212.38
10520	05156		GROUNDSPARKS/FACILITIES	DENTAL INSURANCE	10.04
10520	05158		GROUNDSPARKS/FACILITIES	LIFE/DISABILITY INSURANCE	24.98
10520	05170		GROUNDSPARKS/FACILITIES	FICA	73.91
10520	05175		GROUNDSPARKS/FACILITIES	CHILD CARE CONTRIB TAX	3.95
10520	05180		GROUNDSPARKS/FACILITIES	RETIREMENT-VMERS	73.89
10550	05030		POOL	POOL DIRECTOR	2,066.40
10550	05070		POOL	PART-TIME GUARDS	8,801.00
10550	05170		POOL	FICA	831.39
10550	05175		POOL	CHILD CARE CONTRIB TAX	47.81
10620	05020		PLANNING/ZONING	ZONING ADMINISTRATOR	1,026.80
10620	05170		PLANNING/ZONING	FICA	78.55
10620	05175		PLANNING/ZONING	CHILD CARE CONTRIB TAX	4.52
10645	05051		ECONOMIC DEVELOPMENT	ECONOMIC DEVEL COORDINATO	3,114.02
10645	05154		ECONOMIC DEVELOPMENT	HEALTH INSURANCE PREMIUM	413.34
10645	05156		ECONOMIC DEVELOPMENT	DENTAL INSURANCE	19.89
10645	05170		ECONOMIC DEVELOPMENT	FICA	238.22
10645	05175		ECONOMIC DEVELOPMENT	CHILD CARE CONTRIB TAX	12.46
10645	05180		ECONOMIC DEVELOPMENT	RETIREMENT-VMERS	225.77
FUND TOTALS					87,225.92
51047	05151		ELECTRIC DEPARTMENT	EMPLOYEE HEALTH BUYOUT	200.00
51047	05154		ELECTRIC DEPARTMENT	HEALTH INSURANCE PREMIUM	1,902.54
51047	05156		ELECTRIC DEPARTMENT	DENTAL INSURANCE	116.01
51047	05158		ELECTRIC DEPARTMENT	LIFE/DISABILITY INSURANCE	160.72
51047	05170		ELECTRIC DEPARTMENT	FICA	599.58
51047	05175		ELECTRIC DEPARTMENT	CHILD CARE CONTRIB TAX	31.62
51047	05180		ELECTRIC DEPARTMENT	RETIREMENT-VMERS	451.42
51047	90210		ELECTRIC DEPARTMENT	METER READING	433.02
51047	92010		ELECTRIC DEPARTMENT	MUNICIPAL MANAGER	928.58

TOWN OF NORTHFIELD



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WARRANT 022526

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YEAR 2026 PERIOD 1
EXPENDITURE ENTRIES
SHORT DESC 07/25/25PR

GL EFF DATE 07/25/2025
REFERENCE 022526
REFERENCE2 1022526

ORG	OBJECT	PROJECT	ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
51047	92012		ELECTRIC DEPARTMENT	CLERICAL LABOR	1,811.68
51047	92013		ELECTRIC DEPARTMENT	OVERTIME LABOR	206.00
51047	92014		ELECTRIC DEPARTMENT	SUPERINTENDENT	892.60
51047	92016		ELECTRIC DEPARTMENT	ASSISTANT	2,579.08
51047	92018		ELECTRIC DEPARTMENT	TECHNICAL LABOR	1,222.96
51047	92019		ELECTRIC DEPARTMENT	STAND-BY	45.00
FUND TOTALS					11,580.81
53045	05020		WATER DEPARTMENT	APPOINTED	527.60
53045	05030		WATER DEPARTMENT	SUPERVISOR	1,606.68
53045	05042		WATER DEPARTMENT	TECHNICAL/ADMIN/CLERICAL	5,491.95
53045	05080		WATER DEPARTMENT	OVERTIME	374.76
53045	05090		WATER DEPARTMENT	STANDBY/ON CALL	153.00
53045	05151		WATER DEPARTMENT	EMPLOYEE HEALTH BUYOUT	480.00
53045	05154		WATER DEPARTMENT	HEALTH INSURANCE PREMIUM	1,442.04
53045	05156		WATER DEPARTMENT	DENTAL INSURANCE	126.63
53045	05158		WATER DEPARTMENT	LIFE/DISABILITY INSURANCE	169.03
53045	05170		WATER DEPARTMENT	FICA	632.49
53045	05175		WATER DEPARTMENT	CHILD CARE CONTRIB TAX	32.91
53045	05180		WATER DEPARTMENT	RETIREMENT-VMERS	557.03
FUND TOTALS					11,594.12
55046	05020		SEWER DEPARTMENT	APPOINTED	379.87
55046	05030		SEWER DEPARTMENT	SUPERVISOR	1,071.12
55046	05042		SEWER DEPARTMENT	TECHNICAL/ADMIN/CLERICAL	3,645.38
55046	05080		SEWER DEPARTMENT	OVERTIME	1,337.10
55046	05090		SEWER DEPARTMENT	STANDBY/ON CALL	102.00
55046	05151		SEWER DEPARTMENT	EMPLOYEE HEALTH BUYOUT	320.00
55046	05154		SEWER DEPARTMENT	HEALTH INSURANCE PREMIUM	1,007.87
55046	05156		SEWER DEPARTMENT	DENTAL INSURANCE	95.45
55046	05158		SEWER DEPARTMENT	LIFE/DISABILITY INSURANCE	129.09
55046	05170		SEWER DEPARTMENT	FICA	504.85
55046	05175		SEWER DEPARTMENT	CHILD CARE CONTRIB TAX	26.14
55046	05180		SEWER DEPARTMENT	RETIREMENT-VMERS	450.94
FUND TOTALS					9,069.81
GRAND TOTALS					119,470.66

TOWN OF NORTHFIELD



GENERAL LEDGER DISTRIBUTION JOURNAL: MISC

WARRANT M02526

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YEAR 2026 PERIOD 1
EXPENDITURE ENTRIES
SHORT DESC 7/25/25MPR

GL EFF DATE 07/25/2025
REFERENCE M02526
REFERENCE2 2M02526

ORG	OBJECT	PROJECT
YEAR 2026	PERIOD 1	
10330	05154	
10330	05156	
10330	05158	

ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
	GL EFF DATE 07/25/2025	
POLICE DEPARTMENT	HEALTH INSURANCE PREMIUM	884.84
POLICE DEPARTMENT	DENTAL INSURANCE	62.50
POLICE DEPARTMENT	LIFE/DISABILITY INSURANCE	70.22
	FUND TOTALS	1,017.56
	GRAND TOTALS	1,017.56

TOWN OF NORTHFIELD



GENERAL LEDGER DISTRIBUTION JOURNAL: BIWEEKLY

WARRANT 032526

PAY PERIOD 07/21/2025 to 08/03/2025

CHECK DATE 08/08/2025

YEAR 2026 PERIOD 2
EXPENDITURE ENTRIES
SHORT DESC 08/08/25PR

GL EFF DATE 08/08/2025
REFERENCE 032526
REFERENCE2 1032526

ORG	OBJECT	PROJECT	ORGANIZATION	TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
YEAR 2026	PERIOD 2				GL EFF DATE 08/08/2025	
10130	05020		TOWN MANAGER		APPOINTED	2,384.75
10130	05050		TOWN MANAGER		CLERICAL	1,324.36
10130	05154		TOWN MANAGER		HEALTH INSURANCE PREMIUM	951.10
10130	05156		TOWN MANAGER		DENTAL INSURANCE	40.62
10130	05170		TOWN MANAGER		FICA	265.43
10130	05175		TOWN MANAGER		CHILD CARE CONTRIB TAX	14.00
10130	05180		TOWN MANAGER		RETIREMENT-VMERS	239.10
10140	05010		TOWN CLERK/TREASURER		ELECTED	2,766.40
10140	05012		TOWN CLERK/TREASURER		ELECTED TREASURER	212.00
10140	05020		TOWN CLERK/TREASURER		APPOINTED	1,889.25
10140	05154		TOWN CLERK/TREASURER		HEALTH INSURANCE PREMIUM	2,024.24
10140	05156		TOWN CLERK/TREASURER		DENTAL INSURANCE	98.97
10140	05170		TOWN CLERK/TREASURER		FICA	333.30
10140	05175		TOWN CLERK/TREASURER		CHILD CARE CONTRIB TAX	17.37
10140	05180		TOWN CLERK/TREASURER		RETIREMENT-VMERS	279.34
10230	05050		ACCOUNTING		CLERICAL	2,429.82
10230	05080		ACCOUNTING		OVERTIME	195.46
10230	05154		ACCOUNTING		HEALTH INSURANCE PREMIUM	420.84
10230	05156		ACCOUNTING		DENTAL INSURANCE	19.90
10230	05170		ACCOUNTING		FICA	192.78
10230	05175		ACCOUNTING		CHILD CARE CONTRIB TAX	10.32
10230	05180		ACCOUNTING		RETIREMENT-VMERS	190.33
10260	05010		LISTERS		ELECTED	432.00
10260	05070		LISTERS		PART-TIME	585.20
10260	05170		LISTERS		FICA	77.81
10260	05175		LISTERS		CHILD CARE CONTRIB TAX	4.47
10320	05070		FIRE DEPARTMENT		PART-TIME	518.37
10320	05170		FIRE DEPARTMENT		FICA	39.66
10320	05175		FIRE DEPARTMENT		CHILD CARE CONTRIB TAX	2.23
10320	05180		FIRE DEPARTMENT		RETIREMENT-VMERS	11.18
10330	05030		POLICE DEPARTMENT		SUPERVISOR	3,888.00
10330	05040		POLICE DEPARTMENT		OFFICERS	3,972.36
10330	05050		POLICE DEPARTMENT		CLERICAL	2,873.60
10330	05080		POLICE DEPARTMENT		OVERTIME	1,965.18
10330	05154		POLICE DEPARTMENT		HEALTH INSURANCE PREMIUM	3,014.83
10330	05156		POLICE DEPARTMENT		DENTAL INSURANCE	185.95
10330	05170		POLICE DEPARTMENT		FICA	933.93
10330	05175		POLICE DEPARTMENT		CHILD CARE CONTRIB TAX	47.22
10330	05180		POLICE DEPARTMENT		RETIREMENT-VMERS	1,348.10
10340	05030		AMBULANCE DEPARTMENT		SUPERVISOR	3,024.00
10340	05070		AMBULANCE DEPARTMENT		PART-TIME	5,645.63
10340	05072		AMBULANCE DEPARTMENT		RUN PAY	1,306.32
10340	05083		AMBULANCE DEPARTMENT		OT - HALF RATE ONLY	53.67
10340	05090		AMBULANCE DEPARTMENT		STANDBY/ON CALL	1,081.50
10340	05091		AMBULANCE DEPARTMENT		WEEKEND SUPERVISOR	250.00
10340	05110		AMBULANCE DEPARTMENT		NON EMERGENCY TRANSFERS	164.25
10340	05111		AMBULANCE DEPARTMENT		TRANSFER CREW-PD SHIFT	543.75

TOWN OF NORTHFIELD



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WARRANT 032526

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CHECK DATE 08/08/2025

YEAR 2026 PERIOD 2
EXPENDITURE ENTRIES
SHORT DESC 08/08/25PR

GL EFF DATE 08/08/2025
REFERENCE 032526
REFERENCE2 1032526

ORG	OBJECT	PROJECT	ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
10340	05156		AMBULANCE DEPARTMENT	DENTAL INSURANCE	63.02
10340	05170		AMBULANCE DEPARTMENT	FICA	923.05
10340	05175		AMBULANCE DEPARTMENT	CHILD CARE CONTRIB TAX	51.43
10340	05180		AMBULANCE DEPARTMENT	RETIREMENT-VMERS	219.24
10420	05040		HIGHWAY DEPT	TECHNICAL	13,969.99
10420	05080		HIGHWAY DEPT	OVERTIME	91.08
10420	05154		HIGHWAY DEPT	HEALTH INSURANCE PREMIUM	2,616.31
10420	05156		HIGHWAY DEPT	DENTAL INSURANCE	184.67
10420	05170		HIGHWAY DEPT	FICA	1,052.31
10420	05175		HIGHWAY DEPT	CHILD CARE CONTRIB TAX	55.35
10420	05180		HIGHWAY DEPT	RETIREMENT-VMERS	985.68
10520	05040		GROUNDSPARKS/FACILITIES	TECHNICAL	1,000.41
10520	05154		GROUNDSPARKS/FACILITIES	HEALTH INSURANCE PREMIUM	210.42
10520	05156		GROUNDSPARKS/FACILITIES	DENTAL INSURANCE	9.95
10520	05170		GROUNDSPARKS/FACILITIES	FICA	72.52
10520	05175		GROUNDSPARKS/FACILITIES	CHILD CARE CONTRIB TAX	3.88
10520	05180		GROUNDSPARKS/FACILITIES	RETIREMENT-VMERS	72.53
10550	05030		POOL	POOL DIRECTOR	2,066.40
10550	05070		POOL	PART-TIME GUARDS	8,464.25
10550	05080		POOL	OVERTIME	38.25
10550	05170		POOL	FICA	808.53
10550	05175		POOL	CHILD CARE CONTRIB TAX	46.51
10620	05020		PLANNING/ZONING	ZONING ADMINISTRATOR	1,026.80
10620	05170		PLANNING/ZONING	FICA	78.55
10620	05175		PLANNING/ZONING	CHILD CARE CONTRIB TAX	4.52
10645	05051		ECONOMIC DEVELOPMENT	ECONOMIC DEVEL COORDINATO	3,016.09
10645	05154		ECONOMIC DEVELOPMENT	HEALTH INSURANCE PREMIUM	413.34
10645	05156		ECONOMIC DEVELOPMENT	DENTAL INSURANCE	19.90
10645	05170		ECONOMIC DEVELOPMENT	FICA	230.73
10645	05175		ECONOMIC DEVELOPMENT	CHILD CARE CONTRIB TAX	12.06
10645	05180		ECONOMIC DEVELOPMENT	RETIREMENT-VMERS	218.67
FUND TOTALS					86,295.83
51047	05154		ELECTRIC DEPARTMENT	HEALTH INSURANCE PREMIUM	1,866.01
51047	05156		ELECTRIC DEPARTMENT	DENTAL INSURANCE	113.65
51047	05170		ELECTRIC DEPARTMENT	FICA	480.43
51047	05175		ELECTRIC DEPARTMENT	CHILD CARE CONTRIB TAX	24.83
51047	05180		ELECTRIC DEPARTMENT	RETIREMENT-VMERS	445.12
51047	90210		ELECTRIC DEPARTMENT	METER READING	433.02
51047	92010		ELECTRIC DEPARTMENT	MUNICIPAL MANAGER	928.58
51047	92012		ELECTRIC DEPARTMENT	CLERICAL LABOR	1,854.87
51047	92013		ELECTRIC DEPARTMENT	OVERTIME LABOR	64.79
51047	92014		ELECTRIC DEPARTMENT	SUPERINTENDENT	892.60
51047	92016		ELECTRIC DEPARTMENT	ASSISTANT	1,299.08
51047	92018		ELECTRIC DEPARTMENT	TECHNICAL LABOR	1,234.09
51047	92019		ELECTRIC DEPARTMENT	STAND-BY	45.00

TOWN OF NORTHFIELD



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EXPENDITURE ENTRIES
SHORT DESC 08/08/25PR

GL EFF DATE 08/08/2025
REFERENCE 032526
REFERENCE2 1032526

ORG	OBJECT	PROJECT	ORGANIZATION TITLE	ACCOUNT DESCRIPTION	EXPENDITURE
				FUND TOTALS	9,682.07
53045	05020		WATER DEPARTMENT	APPOINTED	527.60
53045	05030		WATER DEPARTMENT	SUPERVISOR	1,606.68
53045	05042		WATER DEPARTMENT	TECHNICAL/ADMIN/CLERICAL	5,544.63
53045	05080		WATER DEPARTMENT	OVERTIME	235.73
53045	05090		WATER DEPARTMENT	STANDBY/ON CALL	153.00
53045	05154		WATER DEPARTMENT	HEALTH INSURANCE PREMIUM	1,383.74
53045	05156		WATER DEPARTMENT	DENTAL INSURANCE	126.46
53045	05170		WATER DEPARTMENT	FICA	590.30
53045	05175		WATER DEPARTMENT	CHILD CARE CONTRIB TAX	30.58
53045	05180		WATER DEPARTMENT	RETIREMENT-VMERS	550.78
				FUND TOTALS	10,749.50
55046	05020		SEWER DEPARTMENT	APPOINTED	379.87
55046	05030		SEWER DEPARTMENT	SUPERVISOR	1,071.12
55046	05042		SEWER DEPARTMENT	TECHNICAL/ADMIN/CLERICAL	3,680.06
55046	05080		SEWER DEPARTMENT	OVERTIME	1,010.28
55046	05090		SEWER DEPARTMENT	STANDBY/ON CALL	102.00
55046	05154		SEWER DEPARTMENT	HEALTH INSURANCE PREMIUM	1,110.15
55046	05156		SEWER DEPARTMENT	DENTAL INSURANCE	99.10
55046	05170		SEWER DEPARTMENT	FICA	456.02
55046	05175		SEWER DEPARTMENT	CHILD CARE CONTRIB TAX	23.62
55046	05180		SEWER DEPARTMENT	RETIREMENT-VMERS	429.75
				FUND TOTALS	8,361.97
				GRAND TOTALS	115,088.87

TOWN OF NORTHFIELD, VERMONT
TOWN FOREST STEWARDSHIP COMMITTEE
Minutes of July 15, 2025

I. ROLL CALL

Ginny, Russ, Bill, Jeremy, Andrew, Ray came late.

Sam Schonberg from the public

II. PUBLIC PARTICIPATION (SCHEDULED): None.

III. APPROVAL OF MINUTES: June 17, 2025

IV. AGENDA UPDATES OR ADDITIONS

V. UPDATES & DISCUSSION

a. Introduction of New Member: Bill Dell'Isola

b. Shaw Outdoor Center Update

Field past the paintball shed got mowed a few weeks ago.

Mowing scheduled for August for the rest of the property.

Possible mulching around the paintball field tbd

2 more weeks of summer programming

Rook week is 8/16

Jeremy and Andrew anticipate getting in front of some of the cadre before the school year gets going

c. Vermont Youth Conservation Corps (VYCC) Work update

Jeremy gives update that VYCC is finished with the trail bypass. He says they built well defined drainage. Renaturalization efforts were made to conceal the old section. Possible plans to move the butternut tree sign. VYCC has started working on clearing the beaver pond vista view. With remaining funds, two benches and a sign will be put in at the beaver pond vista. VYCC will be directed back to Garvey to clean up some additional drainage. Total project work completed - tree work on Garvey Hill, butternut junction reroute, beaver pond vista, and drainage work on Garvey.

d. Cheney Field Parking

Ginny pointed out that we did not have an official vote on parking in Cheney Field after water tank project wraps up.

Mobility task force chair has requested to speak at the next NCC meeting

Jeremy gives the floor to Russ in order to discuss the impacts of parking in the field

Recap - study done by VOREC/Ridge and Rivers looking for possible spots for parking for the town forest

DB&K did the study. They determined that street parking nor parking in the field would be viable.

They did note that accessibility to the Town Forest was an issue.

Jeremy reminds us that our directive is to protect the field environment. He hopes that the field will be returned to its original state after the construction is done.

What happens if we add a parking lot to the field. How does this help a person with accessibility issues enjoy the town forest?

Do we have to make ADA compliant trails? Should we?

The road is not wide enough for two cars to pass.

There are already issues with people misusing the field to have campfires.

There are questions about how this would change the way Norwich uses the field.

Bill adds perspective - this would impact conservation values of the forest. There would be no going back after this structure is put in place, and a disruption to forest habitat blocks.

Bill asks how ongoing maintenance would be funded.

Public participation - Sam Schonberg - indigo bunting - this person tried to take their elderly mom up to see these nests in the field. They recognized that the logistical and financial costs would be prohibitive. They were not able to make it up there to see. Is it fair to have this resource that some residents cannot utilize?

There is legal parking on Byam with restrictions of 250 ft from the gate on the public road.

Ginny reminds us that we have a town forest without any parking and does not think this is fair or equitable.

Bill asks what the NCC thinks about this. NCC has informed the Select Board that they are not in favor.

The Select Board advised the citizen to discuss with the NCC. They are on the agenda for the NCC meeting this month.

Motion - TFSC's stance is no parking in the field. We recognize it's not fair that we have this public resource that is not accessible. We support ongoing discussions to improve accessibility in the Town Forest. Ray puts motion forward - Bill seconds - 3-0-2 - passes.

e. Town Forest Plan

Robert Nelson is trying to update the old Town Forest Plan. He has done an inventory and has what he needs to put the plan together. Having this plan will be critical to ongoing efforts for easements and funding. Last plan was put together in 2010. We will keep trying to get an update.

VI. PUBLIC PARTICIPATION (UNSCHEDULED)

Sam is interested in being involved in the disc golf course if the opportunity exists.

Andrew recaps the situation up till now. Andrew has an intern that may be working on this project. Andrew offers to connect with Sam via email.

VII. OTHER BUSINESS

Discussion about Lybrand. Norwich is still pursuing FEMA funding.

Ray asks what the mechanism is to have more community trail maintenance and construction. Jeremy says we would need to do more homework on how this is working in other jurisdictions.

Future Agenda Items

Ongoing trail workdays.

List of projects for VYCC or just general project for community workdays.

- Mowing/weed eating
- Water bars
- Dustin's Pasture site walk
- Moving the Paine mtn mile markers
- On Clark there are some 6x6s that could be cleaned up or turned into a bridge
- Old signage inventory
- Clean up tree with barbed wire
- Hawk watch vista clearing for student volunteer day
- VYCC invasive control?

VIII. ADJOURNMENT

Russ motions to adjourn - Ray 2nd - 5-0-0

Minutes Northfield Conservation Commission
July 23, 2025

1. Roll Call: David, Mariela, Nigel, Russ, Debbie, Suz, Jeremy & Ruth
Members of the public: Laura Hill-Eubanks, Mary Nadon Scott, Janan Hamm, Bill Clemmons, Tim Swartz, Gerard Lavarney
2. No updates to agenda
3. Public Participation scheduled:
 - A. Cheney Field Access/parking discussion

Members of the public, including representatives from the Accessibility, Walkability, and Pedestrian Safety Task Force and the commission offered feedback on the idea that a heavy equipment staging area related to the water tank project could remain post-construction and serve as an accessible parking lot for Cheney Field and Town Forest.

Suz and Jeremy presented a number of questions that require answers prior to any development of access or parking in Cheney Field:

- Permit needed
- Need for an engineered plan, including what else is needed besides the surface (signage, a way to keep vehicles from entering the rest of the town forest, etc.)
- Timeline for the decision to be made in regards to the contractor
- Road crew feedback
- Water dept feedback
- What happens after parking? Accessible trail? USFS standards?

David proposed to draft a communication to the Select Board detailing questions raised in this discussion. 2nd by Russ. The motion passed, Jeremy abstaining.

There was general agreement that NCC supports improved access for the town forest and working with the Walkability Accessibility Safety Group was a step to address this issue.

David proposed that NCC schedule meetings with the Walkability, Accessibility Group to begin a work group process to discuss Town Forest Accessibility. 2nd by Suz. Unanimous.

4. Minutes of the June 25, 2025 meeting were approved on a motion by Russ, 2nd by Jeremy. Unanimous.
5. Discussion
 - A. Cheney Field Restoration: David summarized the role of NCC as serving to advise the Select Board using our experience and knowledge. Members expressed concern that the information provided by Town Manager regarding the contract language was insufficient to conclude whether the damage done to the field from the road would be restored by the contractor. David agreed to convey the NCC's concerns to the Select Board.
 - B. Clean Water Workshop and Reconnecting with Rivers Cohort Meeting: The cohort includes Barre, Winooski and Northfield. Idea to have speakers with river science knowledge was offered.
 - C. Upcoming Riverwalk Events: Appreciation expressed to Janan for organizing river walks and agreement that NCC would like to help support future walks and related activities to strengthen community connection to the Dog River.
 - D. Upcoming Meetings
 1. Berlin Conservation Commission re: Shared Northfield/Berlin Conservation Opportunities on September 3, at 4:30 Berlin Town Offices
 2. Meeting with the Mad River Valley Conservation Commission re: Shared Mad River Valley/Northfield Conservation Opportunities to be scheduled
 3. Jens Hilke, VT Fish and Wildlife re: Vermont Conservation Design Priorities in the Northfield Range August 1, at 11:00 a.m.

6. Updates: Postponed
 - a. Climate Smart School Yards Grant
 - b. VYCC Youth Trails Improvement Project
 - c. Town Forest Stewardship Committee
7. Public Participation Unscheduled: none
8. The meeting was adjourned at 8:20 on a motion by Nigel, 2nd by Ruth.

**CENTRAL VERMONT REGIONAL PLANNING
COMMISSION EMERGENCY MUTUAL AID
AGREEMENT FOR THE PUBLIC WORKS
DEPARTMENTS OF ITS MEMBER
MUNICIPALITIES**

This Mutual Aid Agreement (the "Agreement") is entered into between the Central Vermont Regional Planning Commission ("CVRPC") and by and among each member municipality that voluntarily executes and adopts the terms and conditions contained herein.

WHEREAS, the Vermont Supreme Court has held and adopted the position that "It is a general and undisputed proposition of law that a municipal corporation possesses and can exercise the following powers, and no others: First, those granted in express words; second, those necessarily or fairly implied in or incident to the powers expressly granted; third, those essential to the accomplishment of the declared objects and purposes of the corporation—not simply convenient, but indispensable." Valcour v. Vill. of Morrisville, 104 Vt. 119, 158 A. 83, 85 (1932), *citing* Dillon, John, The Law of Municipal Corporations (5th Ed.) par. 237; and

WHEREAS, that upon the adoption of bylaws specifying the process for entering into, method of withdrawal from, and method of terminating service agreements with municipalities, the Vermont Legislature has granted express authority for regional planning commissions to "promote cooperative agreements and coordinate, implement, and administer service agreements among municipalities, including arrangements and action with respect to planning, community development, joint purchasing, intermunicipal services, infrastructure, and related activities...." 24 V.S.A. § 4345b(c); and

WHEREAS, the member municipalities of the CVRPC (collectively the "Parties") may voluntarily agree to participate in mutual aid and public works assistance activities conducted pursuant to 24 V.S.A. § 4345b(d)(2); and

WHEREAS, the CVRPC has duly adopted bylaws pertaining to the creation of intermunicipal service agreements pursuant to 24 V.S.A. § 4345b(a) and (b); and

WHEREAS, the Parties recognize that they are vulnerable to a variety of potential, natural and man-made disasters that impact vital public works resources including hurricanes, flooding and extreme winter conditions that in the past have caused severe disruption of essential public works services and severe property damage to public roads, utilities and other public works property; and;

WHEREAS, owning and maintaining all the resources needed to respond to extreme, unexpected and high-demand incidents is cost-prohibitive for most municipalities and entering into a mutual aid agreement provides economic and logistical efficiencies to support any gaps in resources and capabilities; and

WHEREAS, the Parties to this Agreement recognize the benefits of mutual aid in protecting the public, health, safety and welfare and fostering a sense of goodwill and community within a specific geographic region and therefore desire to provide mutual aid and assistance to one another during times of disaster and other types of public works emergencies; and

WHEREAS, the Parties recognize that having this mutual aid agreement and related guidelines is essential to ensuring a consistent, coordinated, and timely response in providing mutual aid; and

NOW, THEREFORE, the Parties hereto agree as follows:

SECTION 1: PURPOSE

The Agreement set forth below, is established to provide a means for public works related entities that are controlled by the CVRPC member municipalities, that are in need of mutual aid assistance, to be able to request and receive such aid and assistance in a timely manner from the participating member municipalities including but not limited to personnel, equipment, materials and any other services that may be reasonably necessary to respond to an emergency. The purpose of this Agreement is to formalize the regional mutual aid program. This Agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.

SECTION 2: DEFINITIONS

- A. Aid and Assistance** – includes, but is not limited to, personnel, equipment, administrative services, infrastructure, supplies and materials necessary to respond to a request for mutual aid.
- B. Aiding Official** – means a person who is designated by the Aiding Party to determine whether and to what extent the Aiding Party should provide Public Works Assistance to a Requesting Party.
- C. Aiding Party** – means a Constituent Municipal entity that furnishes, equipment, services, personnel or any other Public Works assistance to a Requesting Party.
- D. Agreement** – refers to this Agreement for public works emergency services. The Central Vermont Region municipalities may become a party to this Agreement upon ratification of this Agreement by the CVRPC and ratification by the legislative body of the Constituent Municipality that is a party to this Agreement. Each Constituent Municipality that ratifies this Agreement, understands that the Agreement contains all Constituent Municipal entities at the time of ratification, and any other eligible municipality in the future.

- E. **Constituent Municipality** – Any municipality located in the Central Vermont Regional Planning Commission service area in Vermont that is a party to this Agreement.
- F. **Disaster** – any natural, mechanical, human-made, technological, or civil emergency that threatens to cause damages of a severity and scale that exceeds the maximum capabilities of a Constituent Municipality.
- G. **Emergency** – an event or imminent potential for such an event, either natural or human caused, that results in or may result in, injury or harm to the residences of the Constituent Municipality, or damage to or loss of property.
- H. **Mutual Aid Resource List** – A list maintained by each Constituent Municipality of the public works equipment, personnel and any other resources available for the provision of aid and assistance if needed by another Constituent Municipality.
- I. **Period of Assistance** – the period of time beginning when the Aiding Party assists the Requesting party by providing equipment, personnel, supplies or any other Public Works Assistance and ending when all Public Works Assistance returns to the regular duties of the Aiding Party.
- J. **Public Works Assistance** – means equipment and personnel including, but not limited to; professional engineers, licensed staff, non-licensed personnel who are employed by a Constituent Municipality and used for activities in response to a disaster or emergency, related to roadways, water, stormwater, wastewater and any other public works program.
- K. **Requesting Official** - means any person who is designated by the Requesting Party to request Public Works Assistance from a participating Aiding Party.
- L. **Requesting Party** - means a Constituent Municipal entity that requests, equipment, services, personnel or any other Public Works assistance from an Aiding Party.

SECTION 3: PROCEDURES

- A. **Operations Oversight** – The CVRPC shall be responsible for overseeing this Agreement and help to facilitate communications between the Constituent Municipalities. The CVRPC will also help to facilitate policies and procedures to guide requests for aid and assistance as set forth below.
- B. **Request for Aid** – When a Requesting Party has been impacted by or is in imminent danger of a disaster or emergency, it may request Aid and Assistance from an Aiding Party, by making a verbal request, followed by a written request, to the Aiding Party, within three business days after aid is

needed or contemplated to be needed. An Aid Request Form shall be an addendum, but not an amendment to or modification of this Agreement. Requests should be made by and to the Aiding Party's authorized Aiding Official. A potentially Aiding Party, should not provide aid on its own without first confirming the need for assistance through the communication of the Aiding Official and Requesting Official to ensure that the type of aid being provided is necessary and needed. The provision of aid by an Aiding Party is entirely discretionary under this Agreement and the ultimate decision as to whether to render aid to a Requesting party shall be at the discretion of the Aiding Official in consultation with the legislative body of the Constituent Municipality if possible.

- C. Designation of Officials** – Each Constituent Municipality shall designate an Aiding Official and Requesting Official and at least one alternate Aiding Official and Requesting Official. Each Constituent Municipality shall be responsible for maintaining its own contact list of all Aiding and Requesting Officials and alternate Officials, along with all means of contact including, but not limited to cell phones, telephones, electronic mail and physical addresses and take reasonable steps to ensure that all Constituent Municipalities have the most current list. The CVRPC shall help develop the template of the contact list and annually aid in its distribution after having been provided by the Constituent Municipalities. Said list shall be an addendum, but not an amendment to or modification of this Agreement. The Requesting Officials and the Aiding Officials may be the same person in each municipality (i.e. a director of public works or Road Commissioner).
- D. Information Needed - Request for Aid and Assistance** – The Requesting Official shall provide, at minimum, to the Aiding Official and CVRPC (for informational purposes only): 1) a description of the disaster or emergency prompting the request; 2) what type of specific assistance is needed; 3) a description of the infrastructure impacted and the specific work needed to repair the infrastructure; and 4) an estimate of the type of public works assistance needed and the period of time it will be needed for. It is further recommended that the Requesting Official propose a plan for meeting with the Aiding Official to discuss the scope of the aid and for the Requesting Official to familiarize him or herself with the personnel and equipment of the Aiding Party (similar in nature to a pre-construction meeting). The Aiding Party shall then provide an estimate to the Requesting Party of expected costs for the scope of work requested and needed.
- E. Supervision and Control** – It is the intention of this Agreement that supervision and control of personnel will be structured in accordance with Federal Emergency Management Agency's (FEMA) Incident Command System (ICS) of the National Incident Management System (NIMS), and that if the emergency/disaster is multi-jurisdictional, a Unified Command will be employed when practical.

1. When any personnel or equipment is deployed under the terms of this agreement, the Aiding Official shall meet with the Requesting Official. Orders by the Requesting Official will be given to the Aiding Official who will then give orders or direction to their personnel. The Aiding Official shall maintain reasonable contact with the Requesting Official as long as the Aiding Party is providing Public Works Assistance. The personnel of the Aiding Party may only be under the direct control of the Requesting party by a written mutual agreement.
2. In all instances and at all times, the Requesting Official or a designee thereof, shall have the right and responsibility to ensure that all personnel from the Aiding Party are asked to perform only those tasks or operations that are consistent with their training and are in accordance with their home protocols and accepted safe practices.
3. Personnel from the Aiding Party shall continue with the assigned tasks until the Requesting Party releases said personnel and equipment or until the Aiding Party recalls said personnel and equipment. No recall by an Aiding Party shall occur until, if reasonable given the facts and circumstances, the Aiding Official discusses the need for recall with the Requesting Official.
4. Each Aiding Party shall operate in accordance with the protocols of its Constituent Municipality, and all Aiding Party personnel shall act within the scope of his or her own training and certification or under the supervision of a person with the appropriate training and certification. Aiding Party personnel shall not be required to perform in a way that is inconsistent with the practices of their Constituent Municipality protocols or inconsistent with safe practices.
5. The Aiding Official shall be responsible for maintaining all records for time, materials and equipment provided to the Requesting Party; be responsible for the operation and maintenance of equipment provided by the Aiding Party; and report work process to the Requesting Party.

F. Mutual Aid Resource List – NIMS typed public works resources are included in the annual local emergency plan for each Constituent Municipality. The CVRPC shall annually distribute a list of the NIMS typed public works resources for all Constituent Municipalities. All original and updated NIMS typed public works resource lists shall be considered an addendum to, but not a modification of this Agreement.

G. Funds Payable By Each Municipality – the Constituent Municipalities agree that the funds, coming in the form of the amount of services provided by each Constituent Municipality shall be based on the resources available to them at the time aid and assistance is made by a Requesting Party in accordance with Section 4 Part A.

SECTION 4: REQUESTS FOR REIMBURSEMENT

A. Procedures for Reimbursement – Unless the Aiding Party and the Requesting Party agree to a different structure in writing, the Requesting Party shall be ultimately responsible for the reimbursement of the Aiding Party's costs incurred under this Agreement.

1. Within 30 days of the return of all personnel and equipment of the Aiding Party to the Constituent Municipality's homework station, the Aiding Municipality may submit to the Requesting Party, an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice provided by the Aiding Party shall be paid within 30 days of receipt.
2. All invoices generated by the Aiding Party shall be provided to the Requesting Party.
3. Invoices by the Aiding Party shall follow the following standards.
 - a. **Personnel.** Charges for personnel shall be in accordance with the standard practices of the Aiding Party, including wages, salaries, contributions for insurance and retirement and personnel from the Aiding Party shall continue to accumulate seniority at the rate of the Aiding Party.
 - b. **Equipment.** Charges for equipment supplied by the Assisting Party, shall be reimbursed at the rental rate established for the same or substantially similar equipment by the regulations of the Federal Emergency Management Agency (i.e., current FEMA Schedule of Equipment Rates), or at any other rate agreed to by the Aiding Party and Requesting Party in writing. Rent for equipment includes the cost of fuel and other consumable supplies, maintenance, service, repairs and ordinary wear and tear.
 - c. **Transportation.** The Aiding Party shall transport needed personnel and equipment by reasonable and customary means and in accordance with the Aiding Party's usual transportation and travel payment schedule. If such a schedule is unavailable, transportation charges shall be the reasonable and customary rates for such transportation.
 - d. **Materials and Ancillary Expenses.** Charges for materials and ancillary expenses such as consumable supplies, related to the provision of aid pursuant to this agreement shall be the reasonable and actual costs incurred by the Aiding Municipality.

4. The Aiding Party may invoice the Requesting Party for all expenses incurred during the Period of Assistance. All invoices shall be submitted by the Aiding Official to the Requesting Official. The invoices shall clearly delineate the time and expenses associated with personnel, equipment, transportation and any materials or ancillary expenses. Any question or dispute about an invoice from an Aiding Party shall first be discussed between the Requesting Official and the Aiding Official. If the Parties are still unable to reconcile an invoice, then they shall follow the next sequential procedures of the Dispute Resolution section of this Agreement.

SECTION 5: INSURANCE AND LIABILITY

- A. Insurance** – Each Constituent Municipality shall bear the risk of its own actions, as it does with its day-to-day operations. The Aiding Party shall be responsible for providing insurance to the fullest extent possible, including but not limited to workman's compensation insurance, general liability insurance, excess liability insurance, and any other types of insurance coverage in amounts recommended by the Vermont League of Cities and Towns, Property and Casualty Intermunicipal Fund (VLCT-PACIF). Such insurance shall cover damage or injury to person, property or equipment owned or provided by an Aiding Party to the extent the damage or injury may have occurred while rendering aid to a Requesting Party.
- B. Indemnification** - To the extent allowed by law, each Requesting Party agrees to indemnify and hold harmless any Aiding Party and its employees, officers, administrators, elected officials and agents from any claim relating to cost, damage or injury of any description to any person or property caused by or through the action of any Aiding Municipality while rendering aid pursuant to his Agreement. Acts of gross negligence, willful misconduct, malfeasance, and/or criminal/illegal behavior are exempt from indemnification.
- C. Liability** – No Constituent Municipality shall have any liability to any other Constituent Municipality by reason of their inability or lack of desire to respond to a request for aid.

SECTION 6: TERM, MODIFICATION AND PERIODIC REVIEW

- A. Term** – This Agreement shall be in effect for one (1) year from the date signed by the initial Constituent Municipality. Thereafter, this Agreement shall be renewed for additional one year terms on an annual basis in conjunction with the local emergency plan.
- B. Termination** – Any Constituent Municipality may voluntarily terminate and withdraw from its participation in this Agreement at any time by a Requesting or Aiding Official giving written notification to the designated Requesting or Aiding

Officials of all other Constituent Municipalities to this Agreement. Electronic mail communications shall be considered written notification for purposes of this Agreement. Termination and withdrawal shall not be effective until sixty (60) days after written notification has been sent. Withdrawal by a Constituent Municipality shall not impact the liability or obligation incurred by the Constituent Municipality under this Agreement prior to the date of termination.

- C. Modification** – Pursuant to 24 V.S.A. § 4345b(d)(4) any modification or amendment to this Agreement shall not become effective unless approved by the CVRPC and the legislative body of all the municipalities who are a party to this Agreement. The CVRPC shall assist in coordinating any modifications or amendments to this Agreement.
- D. Periodic Review** – On a biennial basis, the designated Aiding and Requesting Officials shall meet to review the terms of this Agreement and make any suggestions as to alterations or modifications if needed based on past performance. The CVRPC shall coordinate all meetings under this section.

SECTION 7: MISCELLANEOUS PROVISIONS

- A. Dispute Resolution** – In respect to any dispute that arises pursuant to this agreement the Parties shall first make a good faith effort to work out differences among themselves. Should informal discussions between the Parties fail, then the Parties shall engage the services of a mutually agreed upon third party mediator. The costs of this third party mediator shall be split evenly between the Parties. Should attempts at mediation through a third party mediator fail, then any Party may seek redress in any Vermont Court of competent jurisdiction.
- B. Severability** – Should any clause, portion, section, provision or any other part of this Agreement be held invalid by a court of competent jurisdiction, such judgment shall not affect, impair or invalidate any other portion of the Agreement. The remaining portions of this Agreement shall remain in full force and effect without regard to the provisions that have been invalidated.
- C. Execution of Counterparts** – This agreement may be signed in any number of counterparts with the same effect as if the signatures thereto and hereto were upon the same instrument.

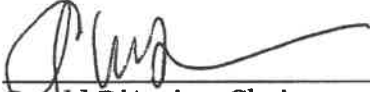
NOW THEREFORE, both the Central Vermont Regional Planning Commission through its duly authorized representative has executed this agreement and all counterparts thereto.

Photographic copies shall be considered valid counterparts.

Each of the Constituent Municipalities so desiring, have caused this Agreement to be executed by a duly authorized representative, after a vote allowing that duly authorized representative to execute this Agreement by the Constituent Municipality's governing

legislative body.

Adopted by the Board of Commissioners: January 14, 2025.

A handwritten signature in dark ink, appearing to read 'G. D'Amico', written over a horizontal line.

Gerald D'Amico, Chair
CVRPC Board of Commissioners

Photographic copies shall be considered valid counterparts.

Each of the Constituent Municipalities so desiring, have caused this Agreement to be executed by a duly authorized representative, after a vote allowing that duly authorized representative to execute this Agreement by the Constituent Municipality's governing legislative body.

The following municipalities have elected to participate in the Central Vermont Regional Public Works Mutual Aid Agreement for 2025. Copies of signature pages are on file at the Central Vermont Regional Planning Commission.

2025 Central Vermont Regional Public Works Mutual Aid Agreement Participating Municipalities: Listed on next page.

Municipalities

Barre City

Barre Town

Berlin

Cabot

Calais

Duxbury

East Montpelier

Fayston

Middlesex

Montpelier

Moretown

Northfield

Orange

Plainfield

Roxbury

Waitsfield

Warren

Washington

Waterbury

Williamstown

Worcester

Woodbury

**CENTRAL VERMONT REGIONAL PLANNING COMMISSION
PUBLIC WORKS MUTUAL AID AGREEMENT AID REQUEST FORM**

To be completed by the Requesting Official.

Requesting Municipality: Town/City of _____

Incident Name: Briefly describe the nature of the disaster or emergency prompting the aid request.

Damages and Needed Repairs: Briefly describe the infrastructure impacted and the specific work needed to repair the infrastructure.

Specific Assistance Needed: Briefly describe what type of assistance (personnel, equipment, materials) is needed.

Cost Estimate and Schedule: Provide an estimate for the needed assistance and period of time it will be needed for (start and end dates).

Plan for Meeting with Aiding Official to Review Project Scope (Optional): Briefly describe, if needed, the Requesting Official's plan for meeting with the Aiding Official to review the scope of work and for the Requesting Official to familiarize him/herself with the personnel and equipment of the Aiding Party.

Requesting Official Signature: _____

Date: _____ Time: _____

To be completed by the Aiding Official.

Request: Approved _____ Denied (Reason) _____

Resource Deployed: Date: _____ Time: _____

Cost Estimate:

Aiding Official Signature: _____

Date: _____ Time: _____

DESIGNATED OFFICIALS BY TOWN

Municipality	Name	Phone - Primary	Phone - Alternate	Email
Barre City				
Requesting Official – Primary				
Requesting Official – Alternate				
Aiding Official – Primary				
Aiding Official - Alternate				
Barre Town				
Berlin				
Cabot				
Calais				
Duxbury				
East Montpelier				

DESIGNATED OFFICIALS BY TOWN

Fayston				
Marshfield				
Middlesex				
Montpelier				
Moretown				
Northfield				
Orange				

DESIGNATED OFFICIALS BY TOWN

Plainfield				
Roxbury				
Waitsfield				
Warren				
Washington				
Williamstown				
Woodbury				

DESIGNATED OFFICIALS BY TOWN

Worcester				

NIMS TYPED PUBLIC WORKS RESOURCES BY TOWN FOR 2022

[illegible]

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$41.00	04/02/20
	\$133.10	04/13/20
	\$136.54	05/01/20
	\$22.90	05/11/20
	\$109.89	05/13/20
	\$127.78	05/20/20
	\$946.50	05/21/20
	\$118.52	05/25/20
	\$147.60	05/31/20
	\$922.70	06/11/20
	\$250.00	06/14/20
	\$135.31	07/03/20
	\$250.00	07/03/20
	\$124.78	07/06/20
	\$250.00	07/09/20
	\$1,441.90	07/22/20
	\$988.00	07/27/20
	\$215.84	08/01/20
	\$853.70	08/02/20
	\$98.35	08/12/20
	\$250.00	08/12/20
	\$107.82	08/14/20
	\$89.94	08/25/20
	\$100.00	08/26/20
	\$250.00	08/28/20
	\$100.00	09/01/20
	\$129.61	09/04/20
	\$72.47	09/07/20
	\$993.10	09/14/20
	\$242.32	09/29/20
	\$170.37	09/30/20
	\$108.05	10/07/20
	\$140.20	10/21/20
	\$83.28	10/25/20
	\$250.00	10/25/20
	\$217.60	10/28/20
	\$22.47	10/28/20

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$208.32	11/09/20
	\$977.80	11/10/20
	\$904.50	11/12/20
	\$894.50	11/24/20
	\$996.50	11/28/20
	\$123.62	11/29/20
	\$984.60	12/05/20
	\$1,013.00	12/11/20
	\$281.10	12/31/20
	\$1,062.30	01/06/21
	\$198.02	01/27/21
	\$232.58	01/29/21
	\$83.10	02/11/21
	\$199.54	02/19/21
	\$109.93	02/19/21
	\$942.10	02/23/21
	\$122.69	02/23/21
	\$943.80	02/23/21
	\$83.10	03/05/21
	\$931.90	03/11/21
	\$83.10	03/15/21
	\$250.00	03/15/21
	\$906.12	03/18/21
	\$122.23	03/31/21
	\$250.00	04/04/21
	\$223.81	04/04/21
	\$250.00	04/21/21
	\$56.24	04/26/21
	\$122.46	04/27/21
	\$250.00	05/11/21
	\$127.08	05/11/21
	\$250.00	05/12/21
	\$1,106.70	05/24/21
	\$238.80	05/26/21
	\$19.14	06/13/21
	\$250.00	06/14/21
	\$100.00	06/27/21

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$100.00	06/29/21
	\$989.00	07/05/21
	\$100.00	07/08/21
	\$42.34	07/28/21
	\$108.09	08/16/21
	\$108.55	08/20/21
	\$523.00	08/23/21
	\$1,048.70	08/23/21
	\$268.64	08/24/21
	\$899.93	08/29/21
	\$996.00	09/02/21
	\$239.58	09/05/21
	\$250.00	09/17/21
	\$272.82	09/19/21
	675.00	09/25/21
	\$1,725.90	10/04/21
	\$329.60	10/07/21
	\$92.10	10/10/21
	\$133.10	10/18/21
	\$932.90	10/31/21
	\$66.60	11/01/21
	\$183.10	11/06/21
	\$309.30	11/10/21
	\$229.00	11/11/21
	\$136.32	11/12/21
	\$1,112.60	11/24/21
	\$725.00	01/01/22
	\$189.85	01/08/22
	\$838.57	01/12/22
	\$129.94	01/17/22
	\$996.80	01/18/22
	\$1,137.80	01/18/22
	\$275.00	01/20/22
	\$280.00	01/29/22
	\$564.40	01/30/22
	\$986.00	02/08/22
	\$1,670.40	02/20/22

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$280.00	02/23/22
	\$2,105.00	02/23/22
	\$128.73	03/04/22
	\$50.85	03/08/22
	\$1,116.20	03/11/22
	\$113.62	03/16/22
	\$1,112.60	03/17/22
	\$1,130.60	03/21/22
	\$169.04	03/22/22
	\$100.00	03/23/22
	\$43.96	03/24/22
	\$202.71	04/02/22
	\$118.28	04/06/22
	\$96.08	04/16/22
	\$130.43	04/16/22
	\$1,188.80	05/02/22
	\$100.00	05/06/22
	\$275.00	05/09/22
	\$1,280.60	05/12/22
	\$227.30	05/13/22
	1,165.40	05/16/22
	\$270.00	05/23/22
	\$1,088.60	06/08/22
	\$1,127.00	06/11/22
	\$129.94	06/16/22
	\$280.00	06/18/22
	\$115.56	07/16/22
	\$275.00	07/21/22
	\$275.00	07/22/22
	\$1,127.00	07/24/22
	\$1,170.80	07/26/22
	\$176.34	07/27/22
	\$143.15	07/29/22
	\$1,128.80	08/04/22
	\$275.00	08/12/22
	\$275.00	08/17/22
	\$998.60	08/20/22

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$150.00	08/24/22
	\$111.08	08/24/22
	\$567.82	08/27/22
	\$150.00	08/29/22
	\$359.09	08/30/22
	\$98.22	08/31/22
	\$98.40	08/31/22
	\$143.76	09/01/22
	\$989.40	09/09/22
	\$129.94	09/10/22
	\$294.08	09/13/22
	\$137.96	09/14/22
	\$95.90	09/16/22
	\$270.00	09/23/22
	\$50.36	09/30/22
	\$412.51	09/30/22
	\$45.99	09/30/22
	\$163.64	10/06/22
	\$250.00	10/10/22
	\$78.35	10/11/22
	\$566.20	10/12/22
	\$1,062.20	10/13/22
	\$100.00	10/16/22
	\$362.56	10/21/22
	\$1,020.00	11/06/22
	\$362.43	11/07/22
	\$250.00	11/11/22
	\$19.75	11/14/22
	\$275.00	11/24/22
	\$275.00	11/26/22
	\$230.00	11/30/22
	\$275.00	12/01/22
	\$1,313.00	12/01/22
	\$143.47	12/03/22
	\$280.00	12/03/22
	\$846.00	12/04/22
	\$300.00	12/17/22

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$79.80	12/19/22
	\$964.40	12/30/22
	\$1,180.40	01/09/23
	\$116.46	01/17/23
	\$1,132.40	01/20/23
	\$250.00	01/22/23
	\$787.07	01/25/23
	\$10.00	01/25/23
	\$119.02	01/25/23
	\$105.00	01/26/23
	\$250.00	02/14/23
	\$325.00	02/19/23
	\$1,194.20	03/16/23
	\$237.52	03/25/23
	\$250.00	03/26/23
	\$250.00	03/26/23
	\$150.00	03/27/23
	\$435.23	04/01/23
	\$71.13	04/15/23
	\$226.00	04/17/23
	\$1,057.20	04/21/23
	\$139.60	05/01/23
	\$150.00	05/04/23
	\$139.35	05/07/23
	\$300.00	05/16/23
	\$139.35	05/21/23
	\$588.08	05/21/23
	\$92.61	05/30/23
	\$424.60	06/05/23
	\$139.61	06/16/23
	\$250.00	06/20/23
	\$150.00	06/23/23
	\$150.00	07/01/23
	\$290.00	07/01/23
	\$1,287.60	07/03/23
	\$126.94	07/03/23
	\$122.98	07/04/23

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$290.00	07/06/23
	\$290.00	07/09/23
	\$591.60	07/09/23
	\$290.00	07/10/23
	\$136.18	07/25/23
	\$1,182.20	07/27/23
	\$124.83	08/10/23
	\$277.58	08/20/23
	\$119.81	08/21/23
	\$454.12	08/23/23
	\$139.35	08/24/23
	\$200.70	08/27/23
	\$86.14	08/29/23
	\$1,148.60	09/01/23
	\$95.36	09/07/23
	\$121.92	09/13/23
	\$138.29	09/19/23
	\$137.24	10/08/23
	\$991.40	10/14/23
	\$150.00	10/17/23
	\$150.00	10/17/23
	\$150.00	10/17/23
	\$736.69	10/19/23
	\$141.20	10/23/23
	\$150.00	10/26/23
	\$1,187.60	10/27/23
	\$150.00	10/30/23
	\$98.86	11/01/23
	\$150.00	11/03/23
	\$150.00	11/08/23
	125.48	11/13/23
	\$133.28	11/17/23
	\$126.73	11/19/23
	\$123.51	11/21/23
	\$121.92	11/22/23
	\$150.00	11/26/23
	\$150.00	11/26/23

CONFIDENTIAL**TOWN OF NORTHFIELD AMBULANCE ABATEMENTS**

At collection over one year, deceased, or bankruptcy.

Name	Balance	Date of Service
	\$141.20	12/12/23
	\$139.61	12/27/23
	\$48.00	12/29/23
	\$129.05	12/29/23
	\$150.00	01/03/24
	\$150.00	01/17/24
	\$987.80	02/05/24
	\$150.00	02/09/24
*	144.81	03/26/24
*	137.16	06/11/24
*	89.64	06/17/24
*	84.31	06/30/24
*	89.78	07/06/24
*	88.49	11/29/24
*	89.36	12/30/24
TOTAL ABATEMENTS	\$105,735.70	

* Account included as patient is deceased and account is marked closed by the collection agency.

The Select Board hereby abates the above listed Ambulance Receivables in the amount of \$105,735.70. Dated this 12th day of August, 2025.
Effective 06/30/25.

 Select Board Chair

Town Manager Report

Main Street Bridge Project

VTran's Project Manager Gary Laroche plans to attend the Board meeting to present the final plans for the Main Street Bridge project. A copy of the plans was in the Board packet's for the previous meeting.

The proposed bridge will have two-11-foot-wide vehicle traffic lanes, two-three-foot-wide buffer lanes, two-five-foot-wide bike lanes and two-seven-foot-wide sidewalks. The lighting includes a new lighting scheme with light poles and fixtures similar to the existing lights in the Downtown area.

As stated in the past, the project includes an estimated bridge closure period of 12 weeks with a vehicle and small truck traffic detour onto Water and Wall Streets. Large trucks will be detoured to a regional route including Interstate 89, Route 64 and Route 12.

The plans include a comprehensive traffic and pedestrian plan for the traffic detour period which includes numerous detour signs, sidewalk closure signs, pedestrian detour signs, temporary crosswalk markings, temporary curb ramps, pedestrian barricades, temporary improved walking surfaces, and longitudinal channelizing device.

VTrans has provided a revised cost estimate of \$13,455,783 for the bridge project, which includes engineering, right of way and construction. The project funding is 80% Federal, 15% State and 5% Town, which results in the Town's project costs at \$672,789. The Town currently has \$334,524 in the CIP for the bridge project.

Cheney Farm Post-Construction Parking and Accessibility

As discussed previously, the contractor for the Cheney Farm water tank replacement is required to restore the site upon completion of the tank project.

Below are the water tank project plan notes that detail the requirement that all disturbed grass areas be restored.

Plans – Sheet G1, Note 11 "ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO CLASS A RESTORATION UNLESS OTHERWISE SHOWN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONTRACTOR IS RESPONSIBLE FOR REMOVAL, CARE AND REPLANTING OF ALL PLANTING AND SHRUBS DISTURBED DURING CONSTRUCTION."

Specifications – Section 02921 "Restoration of lawns and grasses" Section 1.01.A "Finishing, topsoiling, grading, fertilizing, seeding and maintaining all seeded areas as shown on the Drawings and/or specified herein, and any other areas disturbed by the CONTRACTOR'S operations."

Any new permanent parking lot on the Cheney Farm will require conditional use approval by the DRB. No State permits would be required for a parking lot.

Ambulance Fee Abatement

The Select Board is being asked to abate past ambulance fees. All fees for abatement are over one year old, unless the person is deceased. Also, the fees on the list have been removed from the Town's accounts receivable.

The fee collection process involves the Town's outside billing agency sending the patient three billing notices and a call. Next, the invoice is placed with a collection agency and placed on a credit rating system. Please note that the past due invoice remains on the patient's credit rating after the Town abates the invoice and the Town can still accept payment.

Main Street Water Line and Cheney Farm Tank Replacement Projects

The Main Street water line contractor will continue installing new water lines with work occurring on Main Street. The contractor has nearly completed the installation of the duct bank on Main Street near the Dominos property. The contractor also plans to start installing new water lines on Prospect Street which should take several weeks.

The contractor for the water tank replacement project has completed removal of the existing tanks and site preparation for the installation of the new tanks.

Vine Street Sidewalk Project

The contractor for the Vine Street sidewalk project has completed the curbing installation and the concrete for sidewalk sections. The last remaining work is the patch paving along the curbing. The project remains on schedule for completion by August 15.

Utility Shut off Notices

In the packet is an email from a resident raising concerns about the US Postal Service's failure to deliver a utility shutoff notice. As we have all experienced, the US Postal Service in the past few years has experienced a disruption and delays in mail delivery, which is an issue that is difficult to solve. Please note that the Utility Billing Office takes extra effort and uses several steps to notify a resident of delinquent bills and impending shutoff. First the Utility Billing Office sends notices of delinquent bills which is followed by shutoff notices. Also, they email and call customers (if available) to inform them of the impending shutoff. Next, the Utility Department employees prior to the actual shut off knock on the resident's door to make them aware of the shutoff and to provide an opportunity to pay their utility bill.

Jeff Schulz, Northfield Town Manager

802-485-9822

Project Tracker

					Project List		8/8/2025
Project List	Status	Project Cost	Funding Source	Assigned	Start Date/Bid	Completion Date	Project Notes
Main St. Bridge Replacement Project	In Progress	\$8,900,000	State of VT, Municipality	VTrans and TM	11/1/2025	10/1/2026	VTrans has completed the final plans and will present to Board August 12. Project construction Spring 2026.
Main St. Water Line and Tank Project	Construction Phase	\$7,230,000	State of VT , Municipality	Engineer, TM	7/1/2024	11/15/2025	Water line contractor installing water lines. Site is ready for new tanks.
Route 12 and 12 A Sewer Expansion	Planning Phase	\$8,950,000	TBD	TM, Engineer	TBD	TBD	State approved 50% funding for study and plan update. Engineer working on update.
July Flooding, FEMA Disaster	In Progress	TBD	FEMA, State, Town	Town Staff	8/1/2023	TBD	The Town has received about 80% of the anticipated FEMA and State funding.
Cabot/Northfield Stormwater	In Progress	\$125,000	State of Vermont	TM, Consultant	10/1/2022	6/1/2026	Engineer completed plans. Engineer to bid the project.
Lovers Lane	Planning Phase	TBD	State of Vermont, Town	TM, HF, SB Comm.	7/25/2025	Fall 2025	Town received \$200,000 State grant. Awarded bid for project.
310 Water Street - FEMA Buyout	In Progress	\$285,000	FEMA, State Vermont	FEMA, State, TM	7/1/2022	TBD	FEMA and State of VT. have awarded full funding for buyout. Awarded bid for building demolition.
Wall St. Pedestrian - Design Phase	In Progress		State of Vermont	TM, Vtrans	01/1/2025	12/31/2027	Pedestrian improvements on Wall Street to Dog River Park. Town awarded grant funds for design and construction. Project kick off meeting held 7/15/2025.
Cross Brothers Dam Project	In Progress	\$955,000	FEMA, State Vermont	VNRC, TM	10/1/2023	TBD	Engineer is preparing final plans and obtaining permits. Dam Removal scheduled for 2025.
491 Water Street - FEMA Buyout	In Progress	TBD	State of Vermont	TM,	5/1/2024	TBD	The property owner signed required documents. State processing the documents.
Historic Bridges	Scoping Phase	TBD	State of Vermont	State of Vermont	3/23/2023	TBD	The State selected four bridges in Northfield for structural analysis and rehab: Rabbit Hollow Bridge and three covered bridges on Cox Brook Road. Scoping for all bridges is underway.
Sewer Plant Permit Issues	Pending	TBD	Utility Commission	Town Manager	4/1/2023	TBD	Sewer Plant Permit Issues
Advanced Meter Infrastructure (AMI)	Planning Phase	\$950,000	State of VT and Utilities	TM, Utilities	9/1/2023	6/1/2026	Installing electric and water smart meters. Meter installation in late Summer 2025
King Street Battery Storage	Planning Phase	TBD	Developer	Developer, VPPSA	TBD	TBD	Developer needs to prepare and submit agreements to VPPSA and Town.
Riverwalk Path	Planning Phase	TBD	Town - ARPA	Committee	TBD	TBD	Dollar General donating land for path. Boundary survey completed. Deeds prepared.
Pool House Rebuild Plans	Planning Phase	\$36,000	Town- APRA	TM, SB Committee	03/1/2025	10/15/2025	Building evaluation and design plans. Architect working on project plans.
Dole Hill sump issues	Engineering Phase	TBD	Town	Engineer, TM	4/1/2024	TBD	Engineer working on engineering plan. Received preliminary engineering report.
Town Bridge 56, Highway 54	Planning Phase	\$200,000	Town	TM, Contractor	TBD	TBD	Town is adding funding to the CIP
Vine Street Pedestrian Bridge	Planning Phase	TBD	Town	TM, Contractor	TBD	TBD	Obtaining quotes
Vine and Cross Sidewalk Project	Construction Phase	\$400,000	ARPA Funds	TM, Engineer	6/15/2024	8/15/2025	Contractor has started the project. Estimated project completion date is August 15.
DEI Training	In Progress	No Cost	N/A	Board	4/26/2025		A representative of the VT office of Racial Equity Education attended 4/22 Select Board meeting

REGISTRATION IS OPEN!



VLCT.ORG/TF25



CONNECT WITH COLLEAGUES

Training tracks for:

- Clerks and Treasurers
- Listers and Assessors
- Highway and Road officials
- Town Managers and Administrators
- Selectboard/City Council Members

October 8

DoubleTree by Hilton
South Burlington



Vermont League of Cities and Towns

89 Main Street, Suite 4
Montpelier, VT 05602

231 1



Selectboard
Northfield Town
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**NextGen Vermont:
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HEAR FROM TOPIC EXPERTS



October 8

DoubleTree by Hilton
South Burlington

2025 Highlights include:

- **Roundtable discussions** with a full breakfast.
- A powerful **keynote by Tami Pyfer** of The Dignity Index.
- **Training tracks** tailored to your role and multiple discussion-based sessions to share your knowledge and learn from others.
- A bustling **tradeshow**, where you can explore tools, services, and solutions to support your community.
- **Lunch and awards** presentation, honoring outstanding public service with VLCT's Lifetime Achievement, Municipal Service, and Legislative Service Awards.
- An end-of-day **ice cream social** and **raffle prize** drawing.

Early bird pricing
ends **8/30**

VLCT.ORG/TF25



Vermont League of Cities and Towns

**TOWN OF NORTHFIELD, VERMONT
HIGHWAY PLANNING &
PROJECT OVERSIGHT SUBCOMMITTEE
Minutes of August 1 2025**

- I. ROLL CALL.** Select Board members Charles Morse, Merry Shernock, and John Stevens. Also present were Town Manager Jeff Schulz, Karl Bailey (Highway Foreman), Miles Jenness (Vermont Heavy Timber), Dennis Donahue, Kristy Kenyon, Stephen Korrow, Austin Nava, and David Tomczyk.

The meeting started at 8:05 a.m.

- II. PUBLIC PARTICIPATION (Scheduled):** None.

III. DISCUSSION

a. Highway Projects.

- 1. Slaughterhouse Road Covered Bridge.** Manager Schulz said he contacted Daniels Construction in April 2025 in order to obtain cost estimates for needed repairs to all the covered bridges. They did provide some recommendations and cost estimates. More recently, he was meeting with Miles Jenness from Vermont Heavy Timber regarding another project and asked him to take a look at the Slaughterhouse Road Covered Bridge. At that time, Mr. Jenness found that the bridge had significant structural problems and recommended that its maximum weight limit be reduced from 16,000 lbs. to 6,000 lbs. Manager Schulz contacted the Vermont Agency of Transportation (VTrans), which quickly dispatched bridge inspectors who agreed with this recommendation. Manager Schulz then reviewed the Town Highway budget and found there were sufficient funds to address this matter on an emergency basis. Board member Morse agrees that this is an emergency situation that requires waiving certain provisions of the municipal purchasing policy. i.e. sealed bids, etc. Mr. Jenness said there is water now running across the bridge that is further undermining its structural stability. His plan is to install temporary steel beams into the river bedrock, which would immediately return the bridge's maximum weight limit to 16,000 lbs. This emergency work would be done right after a work contract has been signed. Later this autumn, longer term repairs would be done in replacing the current rotting wooden beam supports and the steel beams would be removed. Mr. Jenness estimated the total cost of this project at \$142,000. Board member Morse said the bridge's restored 16,000 lbs. weight limit could be further increased at a later time with additional measures but that would be a discussion for another time. He added that we now have about ten (10) days of dry weather so the emergency work should be done as soon as possible. Board member Morse then noted that Board member Stevens has suggested using a used conveyor belt to prevent more water from crossing the bridge. There are other possible options. Manager Schulz said there might be some funds available from the VTrans historic structures preservation program for a project of this nature. He has already made contact about this possibility. Dennis Donahue felt that even with the improved structural stability, the covered bridge entrances are still too low and narrow for complete access for emergency vehicles, etc. He would be reluctant to put too much money into expensive repairs. Steve Korrow agrees with this, stating that a new road from Aseltine Road and Dukette Road could be built to service the area west of the bridge.

Mr. Korrow believes this covered bridge was constructed to service a slaughterhouse and small farms and was neither designed nor intended to bear heavy loads. Mr. Donahue said another possible route for a new access road could be built on his parents' property with egress at Horse Lane. Kristy Kenyon believes the current Slaughterhouse Road Covered Bridge is a community asset that draws a lot of visitors to Northfield, especially during foliage season. She suggested that the current bridge could be preserved for historic purposes while a new, modern bridge could be built nearby that could accommodate heavy traffic loads. Manager Schulz said such a replacement bridge would have to be fully engineered and this process would take a several years. He felt the best immediate solution was to provide the emergency repairs Mr. Jenness has recommended. Board member Morse doesn't see any alternative to spending money on this bridge both in the short- and long-term. The residents who need this bridge to access their homes require immediate relief. Board member Stevens agrees with this necessity. Manager Schulz then noted that under the purchasing policy, the Town Manager does have the authority to authorize spending funds for emergency bridge repairs. Board member Morse felt this action does have broad support. Motion by Board member Stevens, seconded by Board member Shernock, to authorize Manager Schulz to reach an agreement with Vermont Heavy Lumber to perform emergency stabilization work on the Slaughterhouse Road Covered Bridge at an estimated cost of \$142,000. **Motion passed 3-0-0.**

Mr. Jenness again indicated that the work on the bridge would start as soon as the project contract has been drafted and signed. Board member Morse believes that Mr. Jenness would be in a better position to make further recommendations for long-term repairs to the bridge once he has started on the emergency repairs and discovered all of the bridge's deficiencies. This could include raising the bridge's weight limit above 16,000 lbs. and making other upgrades that would allow for passage by emergency vehicles, delivery trucks, etc. Board member Morse said the Select Board would need to start budgeting over the next few years for these additional improvements. In the interim, making the recommended emergency repairs to this bridge is based on an important public safety concern and he hopes the work contract can be executed as soon as possible. Board member Morse also felt the municipality needs to do a better job in future in providing regular maintenance to all of its public bridges.

IV. PUBLIC PARTICIPATION (Unscheduled). There was none.

V. ADJOURNMENT. Without objection, the meeting ended at 8:53 a.m.

Respectfully submitted,

Kenneth L. McCann

Kenneth L. McCann, Acting Clerk

A video recording of this meeting is available at: https://youtu.be/8n1C_y5CrJ4

INFORMATION ONLY

From: Mary Richter <secretgardenborzois@gmail.com>
Sent: Friday, July 11, 2025 10:45 AM
To: Charlie Morse
Cc: Jeff Schulz; Douglas Reed
Subject: Re: ~ USPS Miss-Delivers Utility Shut Off Notice ~

Yes. Main St., Northfield Post Office.

My long standing problem with them is that they deliver someone else's mail. It's not everyday by any means, but way too often.

Most recently it was the neighbor's shut off notice from the town, and just before that their most recent Trans-Video bill came here which Mark walked over to them.

When I discover someone else's shut off notice among my mail that obligates me to do something to make sure it doesn't happen again. At least that's how I feel about it. I'd be livid if my shut off notice was delivered to my neighbor.

This isn't a lack of personnel issue. This is a SLOPPY and CARELESS personnel issue.

- Mary -

On Wed, Jul 9, 2025, 17:58 Charlie Morse <cmorse@northfield.vt.us> wrote:
Doug, did you route this to Jeff?
Charlie

From: Mary Richter <secretgardenborzois@gmail.com>
Sent: Tuesday, July 8, 2025 2:53 PM
To: Jeff Schulz <jschulz@northfield.vt.us>; Charlie Morse <cmorse@northfield.vt.us>; Douglas Reed <dreed@northfield.vt.us>; Mary Richter <secretgardenborzois@gmail.com>
Subject: ~ USPS Miss-Delivers Utility Shut Off Notice ~

Hi Jeff, Hi Charlie, Hi Doug,

I realize that you don't control the USPS but you should be aware that they can carelessly miss-deliver something as important as a utility shut office notice.

I turned my next door neighbor's (DeLary) utility shut off notice into the Electric Department yesterday so that they would know that it was delivered here by mistake in case that buys the consumer a bit of grace.

Unfortunately, I could have had it for up to two weeks because, other than personal letters or something important that I am watching for, I only open my mail every two weeks, or so.

This particular piece of DeLary's mail was discovered the night before

when I ripped it open only to find that the numbers didn't look right.
That's when I spotted their name.

We've gotten a lot of this same neighbor's mail over the years, and Mark has walked it all over to their house. We're so tired of it that I brought it to the attention of the PO window clerk a few months ago telling him that this has to stop.

That clerk looked a white haired 70 year old lady in the eye and told me that I could just walk it over to them when I get their mail.

Big mistake.

"I don't get paid to deliver the mail. But you do! I'm 70 years old and Mark is 75. Neither one of us walks great. Plus, we don't get along with those people ever since Joel was really ugly because he couldn't get his way about a fence that we built. Next, they had multiple children incarcerated in federal penitentiaries for arson and drugs. We'd rather not have anything to do with them and you're not going to force us together!"

Things were better. Briefly.

I don't understand. This isn't rocket science. Sorting mail and putting it in the right box seems like something that any 12 year old kid could be trained to do in ten minutes, and they'd do it perfectly each and every time.

Trying to have a conversation about it with the local postal clerk has proven to be an utter waste of time. They run a sloppy ship and there's nothing that I can say to them that will make them straighten out what should be a simple thing.

But I did find a https://urldefense.proofpoint.com/v2/url?u=http-3A_usa.gov&d=DwlCaQ&c=euGZstcaTDIlvimEN8b7jXrwqOf-v5A_Cdp gnVfiiMM&r=QWTr2paJZ8C4iq61ViaMM1DtQY6Ay1p5rpam66WUH5E&m=-Rqn4AEIONVtKU8DqiWtoKeAiYwHlbDJIT2GPnRAq8BPHRDehzD8yugniOaTlykf&s=Dk5RmqUThQFYa9poqIID7isaQgbxOE4QfOisanTyh4o&e= link to register formal postal complaints.

Perhaps taking a little heat from on high will remind them what a normal level of service is. If/When you reach a similar level of frustration with the service provided by our Northfield Post Office perhaps you will consider filing your own formal complaint.

https://urldefense.proofpoint.com/v2/url?u=https-3A_www.usa.gov_postal-2Dservice-2Dcomplaints&d=DwlCaQ&c=euGZstcaTDIlvimEN8b7jXrwqOf-v5A_Cdp gnVfiiMM&r=QWTr2paJZ8C4iq61ViaMM1DtQY6Ay1p5rpam66WUH5E&m=-Rqn4AEIONVtKU8DqiWtoKeAiYwHlbDJIT2GPnRAq8BPHRDehzD8yugniOaTlykf&s=JNEYaUcgypzA2mEqIHdko8ZUBIYq_6NccztLWN5jOMA&e=

Thanks for your time,

Mary Richter

INFORMATION ONLY

From: SOV - Ethics Commission <SOV.EthicsCommission@vermont.gov>
Sent: Thursday, August 7, 2025 3:50 PM
To: Delaney, Peggy
Cc: Sivret, Christina
Subject: Municipal Ethics Information Session

As many of you have probably heard, the State Ethics Commission has had to suspend most municipal services due to lack of staffing.

As we chart a path forward, we would like to hear from you on how the Ethics Commission can best serve municipalities at our current resource levels. We will hold a Zoom session on August 14th from 2:30-3:30 p.m. to hear feedback and answer questions. We will hold a second Zoom session September (date TBD) for anyone who cannot make the first session.

We hope to see you there!

Topic: Municipal Ethics Informational Session

Time: Aug 14, 2025, 02:30 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/83114802741?pwd=aRkrlAbXWRWbWP7QpuKQAq8kyJwxaE.1>

Meeting ID: 831 1480 2741

Passcode: 456426

Peggy Delaney
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