

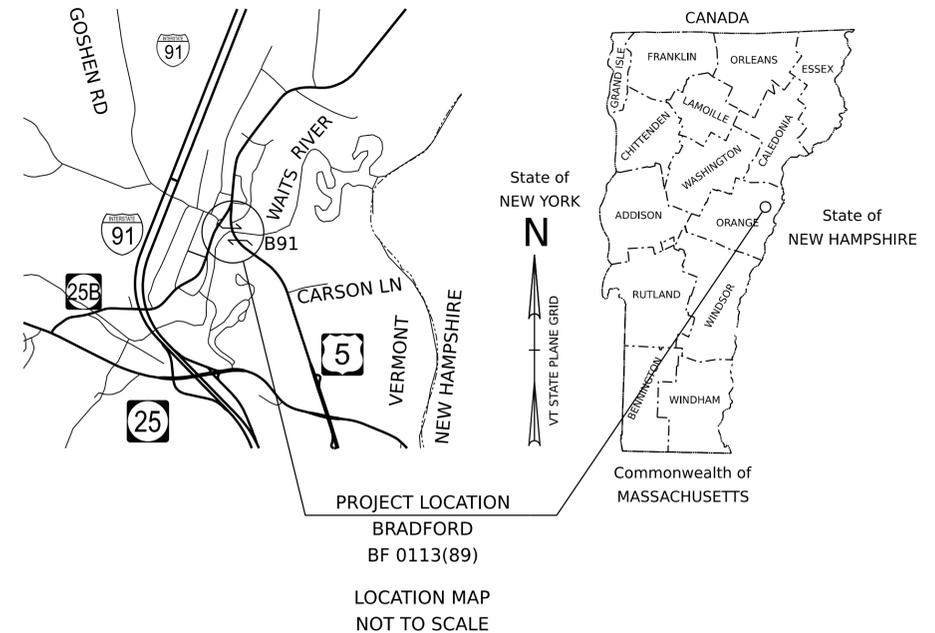
REVIEWER NOTES:

1. REPLACEMENT BRIDGE TO BE CONSTRUCTED IN ONE PHASE UNDER A ROADWAY CLOSURE WITH VEHICULAR TRAFFIC DETOURED AND AN ON SITE TEMPORARY PEDESTRIAN BRIDGE.
2. DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 10TH EDITION, 2024
3. DESIGN BRIDGE LIVE LOAD: HL-93
4. PROPOSED SUPERSTRUCTURE: CONCRETE BRIDGE DECK SUPPORTED ON CURVED STEEL PLATE GIRDERS.
5. PROPOSED SUBSTRUCTURE: CONCRETE ABUTMENTS ON BEDROCK.
7. COMMUNICATIONS UTILITIES CARRIED BY THE EXISTING BRIDGE WILL BE TEMPORARILY RELOCATED AND CARRIED BY THE TEMPORARY PEDESTRIAN BRIDGE DURING CONSTRUCTION, THEN RE-ESTABLISHED ON THE PROPOSED BRIDGE.
8. DESIGN SPEED:
40 MPH SOUTH OF STATION 206+80.74 (PCC).
25 MPH NORTH OF STATION 206+80.74
9. EMAX= 4%, INCREASING TO 5.0% FOR CURVE (3) TO MATCH EXISTING SITE GRADES.

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT TOWN OF BRADFORD COUNTY OF ORANGE

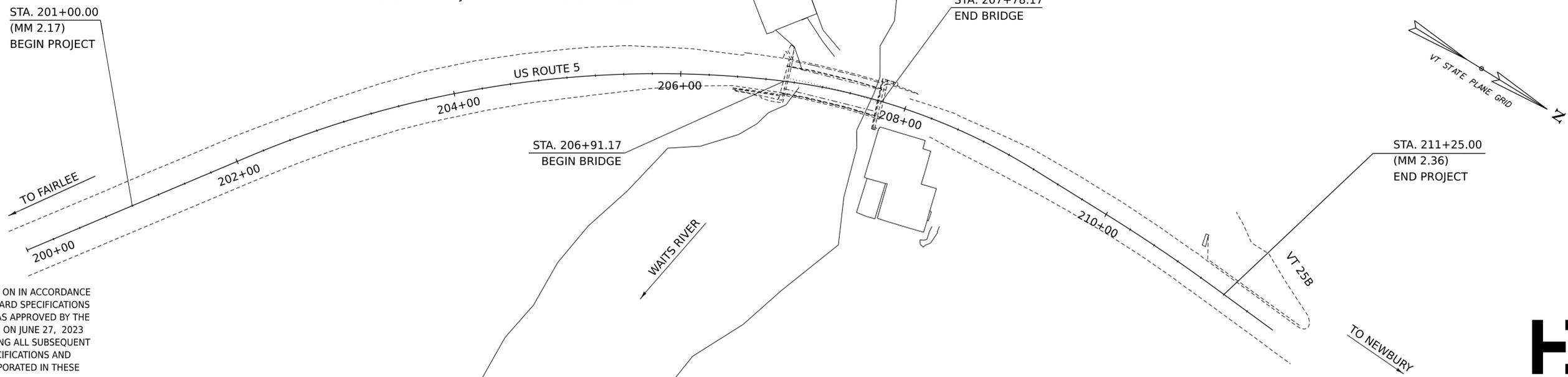


ROUTE NO: US ROUTE 5, MAJOR COLLECTOR, BRIDGE NO. 91

PROJECT LOCATION: THIS BRIDGE IS LOCATED ON US ROUTE 5 IN THE TOWN OF BRADFORD APPROXIMATELY 0.8 MILES NORTH OF THE JUNCTION WITH VT ROUTE 25

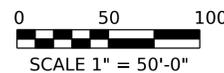
PROJECT DESCRIPTION: CONSTRUCTION OF A NEW BRIDGE WITH RELATED ROADWAY AND CHANNEL WORK

LENGTH OF ROADWAY: 936.89 FEET
LENGTH OF STRUCTURE: 88.11 FEET
LENGTH OF PROJECT: 1025.00 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 1	
SURVEYED BY :	VTRANS
SURVEYED DATE :	09/29/2023
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (2011)



**PRELIMINARY PLANS
SEPTEMBER 22, 2025**

HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____	DATE _____
PROJECT MANAGER :	JAMES B. MCCARTHY, P.E.
PROJECT NAME :	BRADFORD
PROJECT NUMBER :	BF 0113(89)
SHEET 1	OF 43 SHEETS



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
									ROADWAY	BRIDGE NO. 91	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									4900		4900		CY	COMMON EXCAVATION	203.1500				EARTHWORK SUMMARY
										492	492		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.2700				FILL AVAILABLE
									800		800		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.2800			4900 CY	COMMON EXCAVATION (4900 x 1.0)
									1810		1810		CY	SAND BORROW	203.3100			123 CY	UNCLASSIFIED CHANNEL EXCAVATION (492 x 0.25)
																		790 CY	STRUCTURE EXCAVATION (3158 x 0.25)
																		7 CY	ROUNDING
																		5820 CY	TOTAL FILL AVAILABLE
									10190		10190		CY	TRENCH EXCAVATION OF EARTH	204.2000				FILL REQUIRED
									5		5		CY	TRENCH EXCAVATION OF ROCK	204.2100			4146 CY	TOTAL FILL REQUIRED (3605 x 1.15)
										3158	3158		CY	STRUCTURE EXCAVATION	204.2500			4 CY	ROUNDING
										1372	1372		CY	GRANULAR BACKFILL FOR STRUCTURES	204.3000			4150 CY	TOTAL FILL REQUIRED
									400		400		SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.1000			1670 CY	TOTAL WASTE
									2420		2420		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.3500				SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SUMMARY
									100		100		TON	AGGREGATE SHOULDERS	402.1200			770 TON	BASE COURSE, TYPE IIS
									90		90		CWT	TACK COAT, EMULSIFIED ASPHALT	404.1100			1130 TON	WEARING COURSE, TYPE IVS
									770		770		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER III	406.0230			1900 TON	SUBTOTAL
									1130		1130		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IVS, QA TIER III	406.0430			20 TON	ROUNDING
										199	199		CY	PERFORMANCE-BASED CONCRETE, CLASS PCD	501.3700			1920 TON	TOTAL
										731	731		CY	PERFORMANCE-BASED CONCRETE, CLASS PCS	501.3800				
										162461	162461		LB	STRUCTURAL STEEL, CURVED PLATE GIRDER	506.5600				
										86133	86133		LB	REINFORCING STEEL, LEVEL I	507.1100				
										37645	37645		LB	REINFORCING STEEL, LEVEL II	507.1200				
										992	992		LF	DRILLING AND GROUTING DOWELS	507.1600				
										1	1		LS	SHEAR CONNECTORS (1188 - 5IN X 7/8IN)	508.1500				
										2784	2784		SF	CONCRETE BRIDGE DECK SURFACE PREPARATION	509.1500				
										64	64		GAL	WATER REPELLENT, SILANE	514.1000				
										64	64		LF	JOINT SEALER, HOT POURED	524.1100				
										286	286		LF	BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION	525.5000				
										1	1		LS	TEMPORARY PEDESTRIAN BRIDGE (850 SF - EST)	528.1200				
										1	1		EACH	REMOVAL OF STRUCTURE (2816SF - EST)	529.1500				
										92	92		CY	CONCRETE, CLASS C	541.2300				
									330		330		LF	12 INCH RCP CLASS IV	601.0806				
									30		30		LF	15 INCH RCP CLASS IV	601.0811				
									300		300		LF	24 INCH RCP CLASS IV	601.0826				
									40		40		LF	36 INCH RCP CLASS IV	601.0846				
									12		12		EACH	CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.1000				
									1		1		EACH	CONCRETE MANHOLE WITH CAST IRON COVER	604.1100				
									3		3		EACH	CHANGING ELEVATION OF DIS, CATCH BASINS, OR MANHOLES	604.4000				
									5		5		EACH	DECOMMISSION DROP INLET	604.6500				
										542	542		CY	STONE FILL, TYPE IV	613.1004				
									370		370		LF	VERTICAL GRANITE CURB	616.2100				
									410		410		LF	REMOVING AND RESETTNG CURB	616.4000				

PROJECT NAME:	Bradford
PROJECT NAME:	BRADFORD
PROJECT NUMBER:	BF 0113(89)
FILE NAME:	z22b388qs
PROJECT LEADER:	T.FRENCH
DESIGNED BY:	P. LEFEBVRE
QUANTITY SHEET (1)	
PLOT DATE:	22-SEP-2025
DRAWN BY:	P. LEFEBVRE
CHECKED BY:	J. JORGENS
SHEET	3 OF 43



QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
										ROADWAY	BRIDGE NO. 91		GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS	
										200			200		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.1005					
										100			100		SF	DETECTABLE WARNING SURFACE	618.3000					
										770			770		LF	REMOVAL OF GUARDRAIL	621.0100					
										550			550		LF	STEEL BEAM GUARDRAIL	621.1060					
										90			90		EACH	STEEL BEAM GUARDRAIL OFFSET BLOCK	621.1500					
										3			3		EACH	ANCHOR FOR STEEL BEAM GUARDRAIL, MGS	621.1530					
										3			3		EACH	MTS, MGS, FLARED, TL-3	621.3130					
											4		4		EACH	GUARDRAIL APPROACH SECTION TO CONCRETE BRIDGE RAIL, TL-3	621.8330					
										40			40		HR	UNIFORMED TRAFFIC OFFICERS	630.1000					
										120			120		HR	FLAGGERS	630.1500					
										1			1		LS	FIELD OFFICE, ENGINEER'S	631.1000					
										21			21		EACH	CPM SCHEDULE	633.1000					
										900			900		HR	EMPLOYEE TRAINEESHIP	634.1000					
										1			1		LS	MOBILIZATION/DEMOBILIZATION	635.1100					
										1			1		LS	TRAFFIC CONTROL, ALL-INCLUSIVE	641.1100					
										1			1		LS	MAINTENANCE OF PEDESTRIAN TRAFFIC	641.1200					
										6			6		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.1500					
										2950			2950		LF	DURABLE 4 INCH WHITE LINE, RECESSED POLYUREA	646.4060					
										2240			2240		LF	DURABLE 4 INCH YELLOW LINE, RECESSED POLYUREA	646.4160					
										8			8		EACH	DURABLE LETTER OR SYMBOL, RECESSED POLYUREA	646.4960					
										42			42		LF	DURABLE CROSSWALK MARKING, RECESSED POLYUREA	646.5060					
										3700			3700		SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.1100					
											3938		3938		SY	GEOTEXTILE UNDER STONE FILL	649.3100					
										1500			1500		SY	TURF ESTABLISHMENT, GENERAL SEED	651.1500					
										170			170		CY	TOPSOIL	651.3500					
										1			1		LS	EPSC PLAN	653.0100					
										132			132		HR	MONITORING EPSC PLAN	653.0200					
										88			88		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.3410					
										5			5		EACH	SIGN REMOVAL, EXTRUDED ALUMINUM	675.5100					
										14			14		EACH	RESETTING SIGNS	675.6000					

PROJECT NAME: **Bradford**



PROJECT NAME: **BRADFORD**
PROJECT NUMBER: **BF 0113(89)**

FILE NAME: z22b388qs
PROJECT LEADER: T.FRENCH
DESIGNED BY: P. LEFEBVRE
QUANTITY SHEET (2)

PLOT DATE: 22-SEP-2025
DRAWN BY: P. LEFEBVRE
CHECKED BY: J. JORGENS
SHEET 4 OF 43

BRIDGE QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
				TEMPORARY PED. BRIDGE	APPROACH SLAB NO. 1	APPROACH SLAB NO. 2	ABUTMENT NO. 1	ABUTMENT NO. 2	SUPER- STRUCTURE		BRIDGE TOTAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS	
							367	125			492	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.2700					
							2004	1154			3158	CY	STRUCTURE EXCAVATION	204.2500					
							971	401			1372	CY	GRANULAR BACKFILL FOR STRUCTURES	204.3000					
					30	30				139	199	CY	PERFORMANCE-BASED CONCRETE, CLASS PCD	501.3700					
							479	252			731	CY	PERFORMANCE-BASED CONCRETE, CLASS PCS	501.3800					
										162461	162461	LB	STRUCTURAL STEEL, CURVED PLATE GIRDER	506.5600					
					3000	3000	53084	27049			86133	LB	REINFORCING STEEL, LEVEL I	507.1100					
							8096	4010	25539		37645	LB	REINFORCING STEEL, LEVEL II	507.1200					
							482	510			992	LF	DRILLING AND GROUTING DOWELS	507.1600					
										1	1	LS	SHEAR CONNECTORS (1188 - 5IN X 7/8IN)	508.1500					
										2784	2784	SF	CONCRETE BRIDGE DECK SURFACE PREPARATION	509.1500					
							18	11	35		64	GAL	WATER REPELLENT, SILANE	514.1000					
										32	64	LF	JOINT SEALER, HOT POURED	524.1100					
										286	286	LF	BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION	525.5000					
				1							1	LS	TEMPORARY PEDESTRIAN BRIDGE (850 SF - EST)	528.1200					
										1	1	EACH	REMOVAL OF STRUCTURE (2816SF - EST)	529.1500					
							45	47			92	CY	CONCRETE, CLASS C	541.2300					
							407	135			542	CY	STONE FILL, TYPE IV	613.1004					
									4		4	EACH	GUARDRAIL APPROACH SECTION TO CONCRETE BRIDGE RAIL, TL-3	621.8330					
							2960	978			3938	SY	GEOTEXTILE UNDER STONE FILL	649.3100					

PROJECT NAME: **Bradford**



PROJECT NAME: **BRADFORD**
PROJECT NUMBER: **BF 0113(89)**

FILE NAME: z22b388qs
PROJECT LEADER: T.FRENCH
DESIGNED BY: P. LEFEBVRE
BRIDGE QUANTITY SHEET

PLOT DATE: 22-SEP-2025
DRAWN BY: P. LEFEBVRE
CHECKED BY: J. JORGENS
SHEET 5 OF 43

GENERAL INFORMATION

SYMBOLGY LEGEND NOTE

THE SYMBOLGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLGY. THE SYMBOLGY 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. SYMBOLGY 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
■	BNDNS BOUND SET
▣	BNDNS BOUND TO BE SET
⊙	IPNF IRON PIN FOUND
●	IPNS IRON PIN TO BE SET
⊠	CALC EXISTING ROW POINT
○	PROW PROPOSED ROW POINT
[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
✖	GSO 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 VAOT 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 SYMBOLGY

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 SYMBOLGY

PROJECT DESIGN & LAYOUT SYMBOLGY	
— — — 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
PDF — — — PDF — — —	PROJECT DEMARCATION FENCE
BF — — — BF — — —	BARRIER FENCE
XXXXXXXXXXXXXXXXXXXX	TREE PROTECTION ZONE (TPZ)
//////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

**CONVENTIONAL BOUNDARY SYMBOLGY**

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
P — — — P	PROPERTY LINE (P/L)
L — — — L	PROPERTY LINE (P/L)
SR — — — SR	SLOPE RIGHTS
6f — — — 6f	6F PROPERTY BOUNDARY
4f — — — 4f	4F PROPERTY BOUNDARY
HAZ — — — HAZ	HAZARDOUS WASTE

**EPSC LAYOUT PLAN SYMBOLGY**

EPSC MEASURES	
○ — — — ○ — — — ○	SEDIMENT ISOLATION
— — — — —	SILT FENCE
— — — — —	SILT FENCE WOVEN WIRE
— — — — —	CHECK DAM
▣	DISTURBED AREAS REQUIRING RE-VEGETATION
⊗	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLGY

**ENVIRONMENTAL RESOURCES**

— — — — —	WETLAND BOUNDARY
— — — — —	RIPARIAN BUFFER ZONE
— — — — —	WETLAND BUFFER ZONE
— — — — —	SOIL TYPE BOUNDARY
— T&E — — —	THREATENED & ENDANGERED SPECIES
— HAZ — — — HAZ	HAZARDOUS WASTE AREA
— AG — — —	AGRICULTURAL LAND
— HABITAT — — —	FISH & WILDLIFE HABITAT
— FLOOD PLAIN — — —	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
Ⓜ	HISTORIC STRUCTURE

**CONVENTIONAL TOPOGRAPHIC SYMBOLGY**

EXISTING FEATURES	
— — — — —	ROAD EDGE PAVEMENT
— — — — —	ROAD EDGE GRAVEL
— — — — —	DRIVEWAY EDGE
— — — — —	DITCH
— — — — —	FOUNDATION
x — — — x — — — x	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:	<b>BRADFORD</b>
PROJECT NUMBER:	<b>BF 0113 (89)</b>
FILE NAME:	z22b388LegendSheet
PROJECT LEADER:	T.FRENCH
DESIGNED BY:	VTRANS
CONVENTIONAL SYMBOLGY LEGEND	
PLOT DATE:	22-SEP-2025
DRAWN BY:	VTRANS
CHECKED BY:	VTRANS
SHEET	6 OF 43

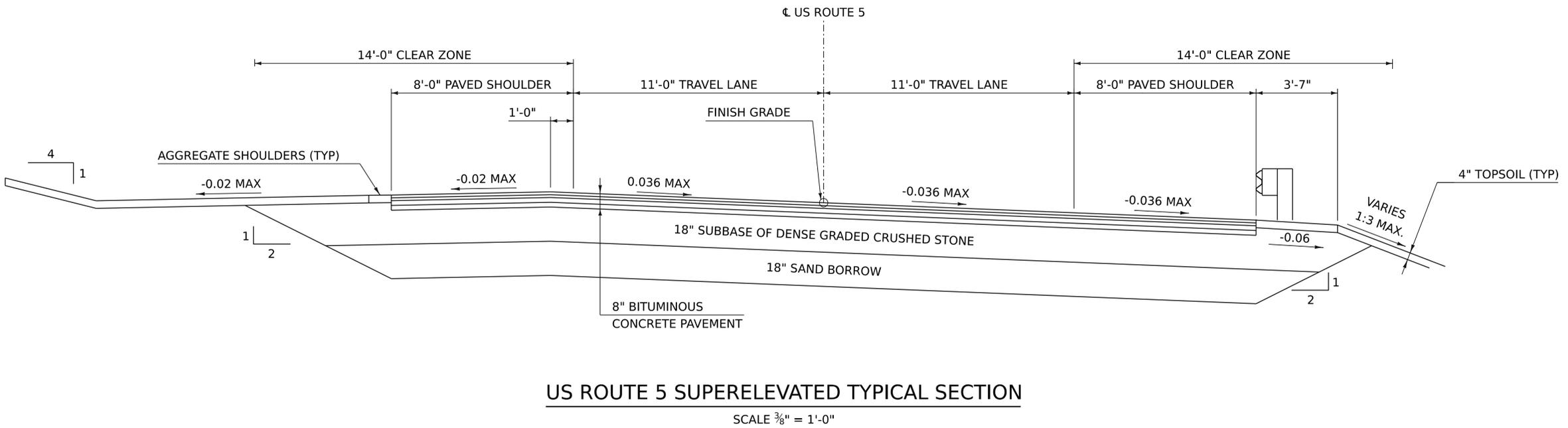
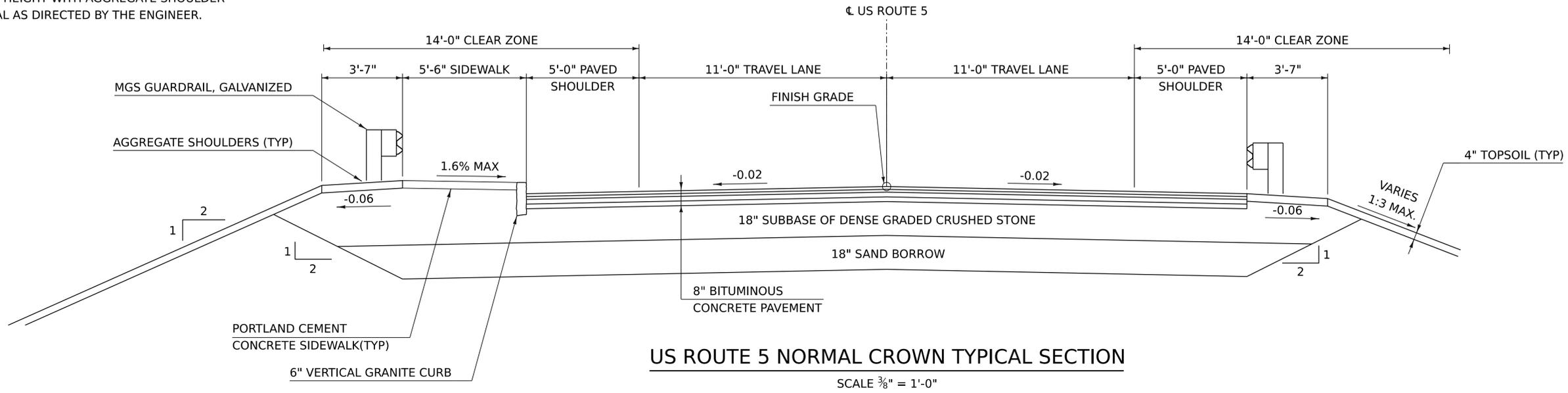


MATERIAL TOLERANCES (IF USED ON PROJECT)	
SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- ¼"
- AGGREGATE SURFACE COURSE	+/- ½"
SUBBASE	
	+/- 1"
SAND BORROW	
	+/- 1"

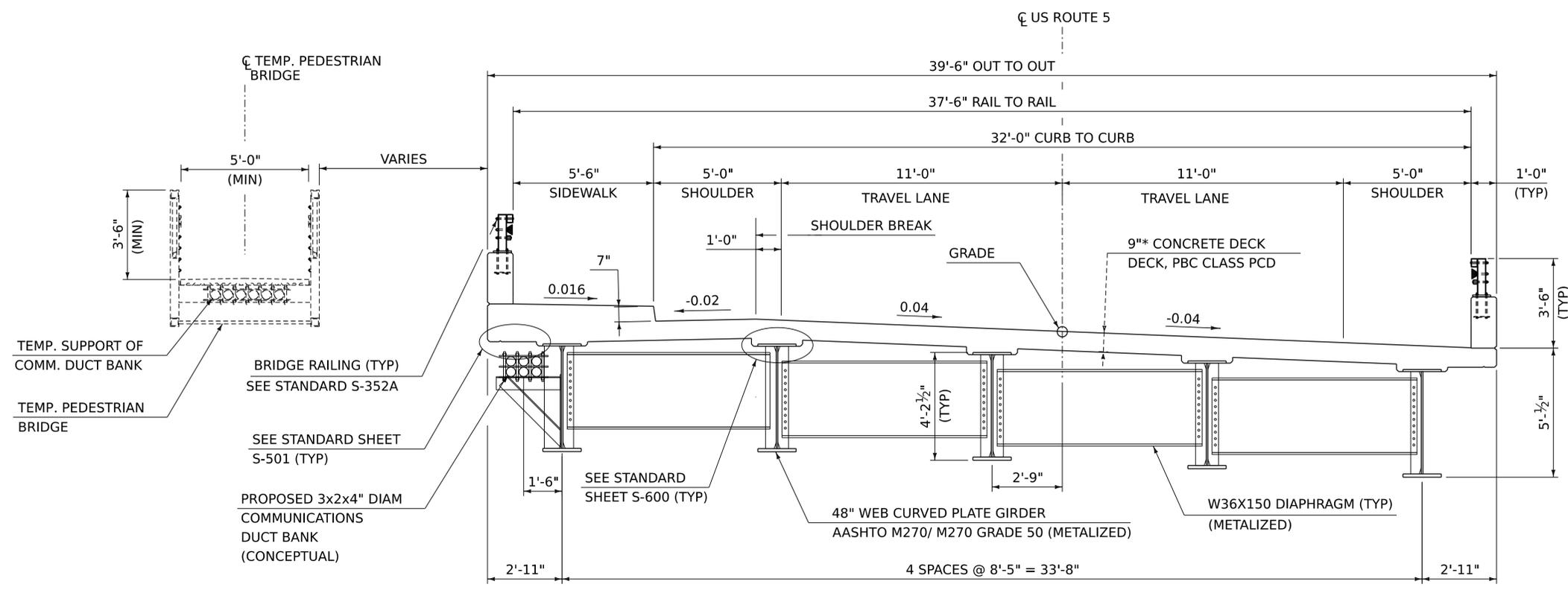
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE / DESIGN LIFE ESALS	4,652,870
DESIGN NUMBER OF GYRATIONS	80
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS

ROADWAY MATERIAL REQUIREMENTS		
WEARING COURSE	3"	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS (2 LIFTS - 1.5 INCHES PER LIFT)
BASE COURSE	5"	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IIS (2 LIFTS - 2.5 INCHES PER LIFT)
SUBBASE	18"	SUBBASE OF DENSE GRADED CRUSHED STONE
SAND BORROW	18"	SUBBASE OF DENSE GRADED CRUSHED STONE OR SAND BORROW
TOPSOIL	4"	TOPSOIL

1. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER.

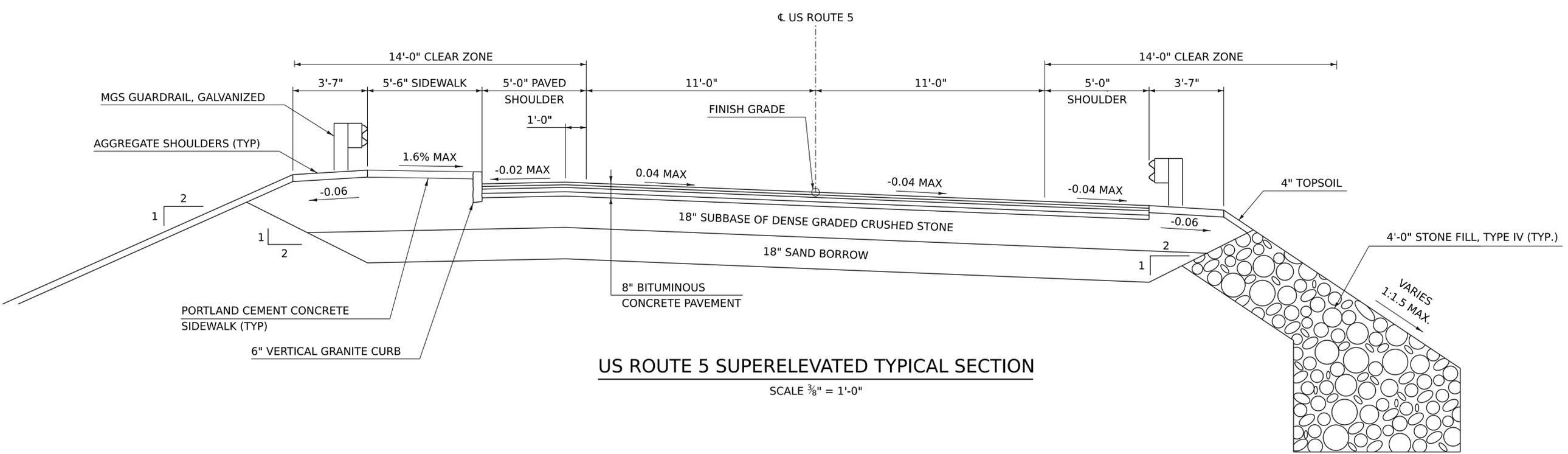


PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388typ	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	TYPICAL SECTIONS SHEET 1 OF 2	SHEET 7 OF 43
DESIGNED BY:	H. BROWN		



**BRIDGE TYPICAL SECTION**

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

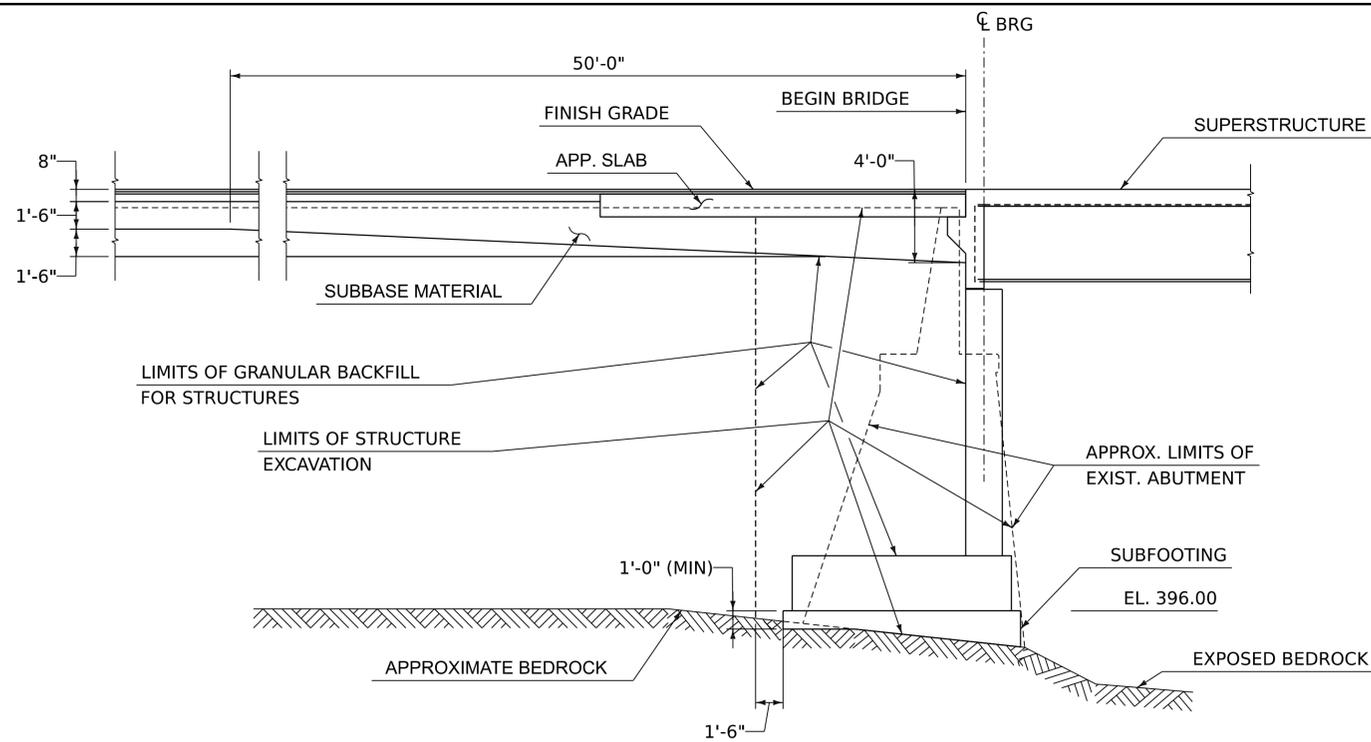


**US ROUTE 5 SUPERELEVATED TYPICAL SECTION**

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

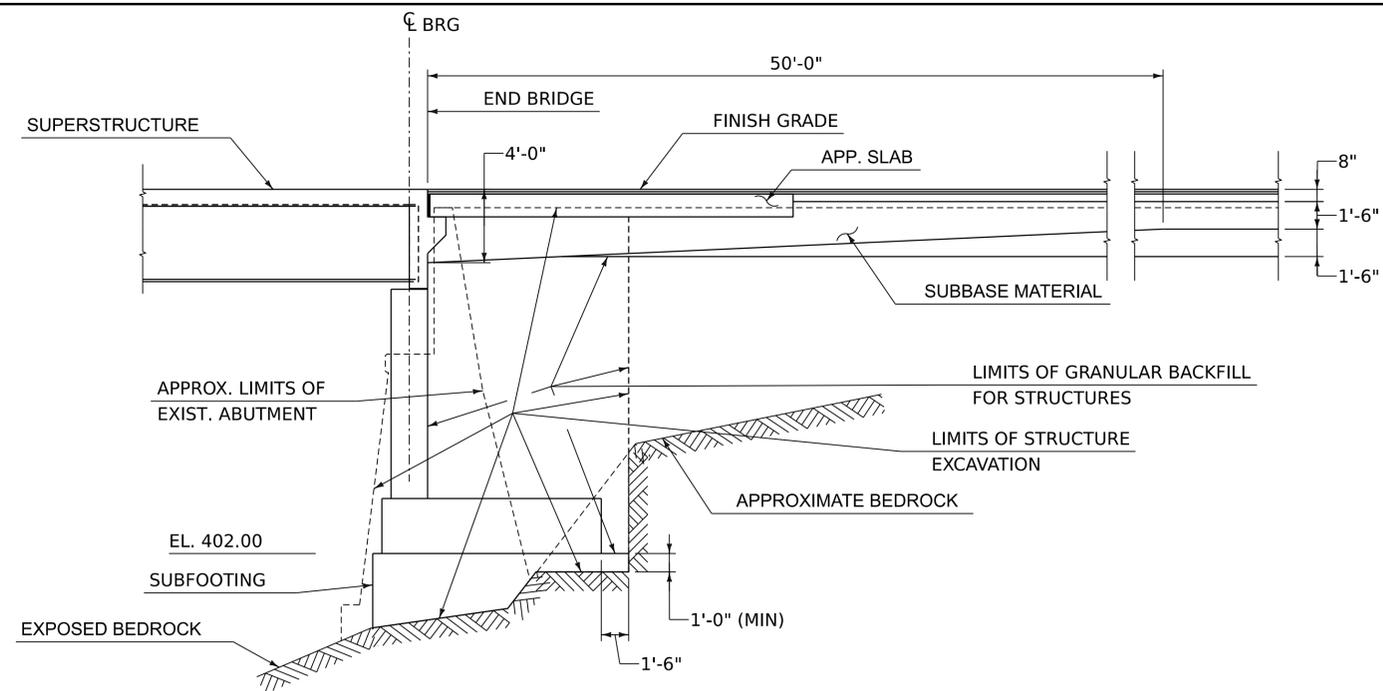


PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	P. LEFEBVRE
FILE NAME:	z22b388typ	CHECKED BY:	S. BOYINGTON
PROJECT LEADER:	T. FRENCH	TYPICAL SECTIONS SHEET 2 OF 2	SHEET 8 OF 43
DESIGNED BY:	P. LEFEBVRE		



**TYPICAL EARTHWORK SECTION - ABUTMENT 1**

SCALE: 1" = 5'-0"

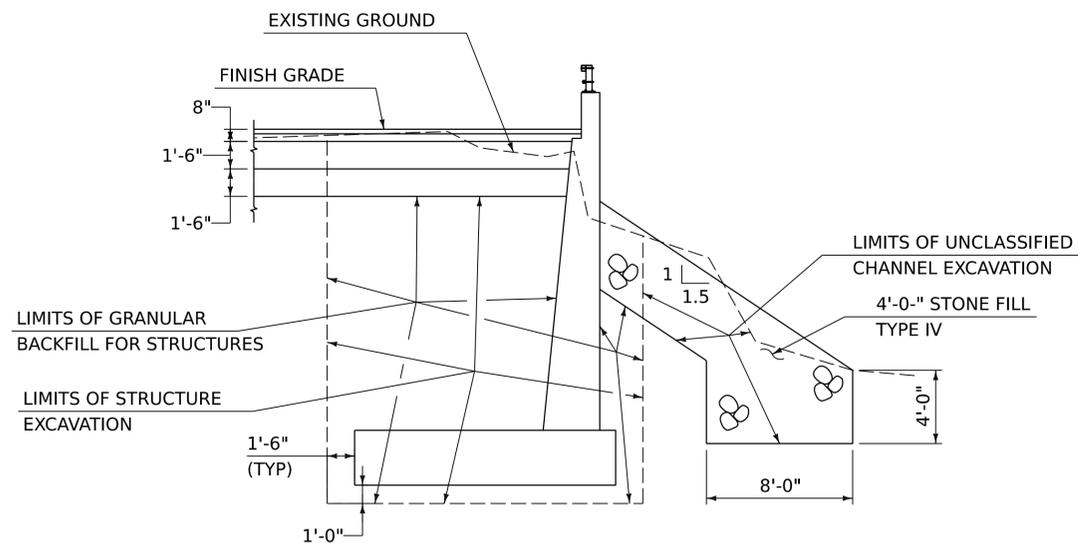


**TYPICAL EARTHWORK SECTION - ABUTMENT 2**

SCALE: 1" = 5'-0"

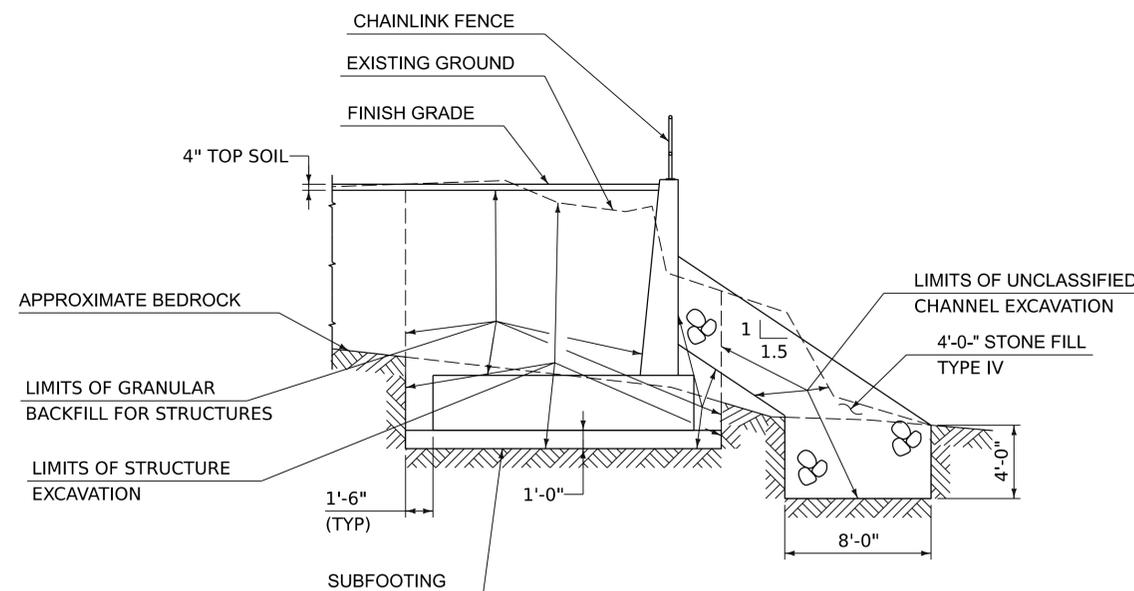
NOTE:

REMOVAL OF THE EXISTING ABUTMENTS AND WINGWALLS WITHIN THE LIMITS OF STRUCTURE EXCAVATION WILL BE PAID FOR UNDER STRUCTURE EXCAVATION. EXISTING ABUTMENT AND WINGWALL REMOVAL OUTSIDE THE LIMITS OF STRUCTURE EXCAVATION WILL BE PAID FOR UNDER REMOVAL OF STRUCTURE.



**TYPICAL EARTHWORK SECTION  
WINGWALL ON EARTH**

SCALE: 1" = 5'-0" (WW2 SHOWN)



**TYPICAL EARTHWORK SECTION  
WINGWALL ON BEDROCK**

SCALE: 1" = 5'-0" (WW3 SHOWN)



PROJECT NAME: BRADFORD  
 PROJECT NUMBER: BF 0113 (89)  
 FILE NAME: z22b388earthworks  
 PROJECT LEADER: T. FRENCH  
 DESIGNED BY: P. LEFEBVRE  
 EARTHWORK SECTIONS

PLOT DATE: 22-SEP-2025  
 DRAWN BY: P. LEFEBVRE  
 CHECKED BY: S. BOYINGTON  
 SHEET 9 OF 43

PRIMARY CONTROL

HVCTRL #1  
 NORTH = 540916.4230  
 EAST = 1740033.2290  
 ELEV. = 453.9800

TO REACH FROM THE INTERSECTION OF ROUTES 5 AND 25 IN BRADFORD, GO NORTH ALONG ROUTE 5 FOR 0.1 MI (0.2 KM) TO THE SITE OF THE MARK ON THE RIGHT.

THE MARK IS A 3/4 INCH (19 MM) REBAR WITH RED PLASTIC SET FLUSH.

IT IS 7.0' WEST OF THE EAST SIDE OF MEDIAN, 72.3 FT (22.0 M) NORTHEAST OF AN UNNUMBERED POLE, 69.1 FT (21.1 M) SOUTHWEST OF AN UNNUMBERED POLE AND 69.2 FT (21.1 M) SOUTH OF A DRAINAGE INLET IN THE MEDIAN.

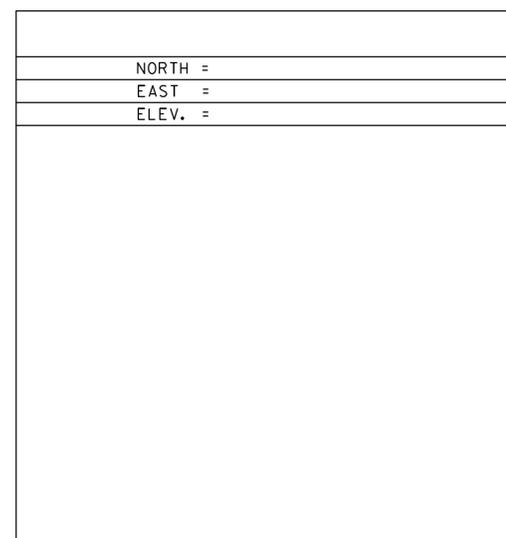
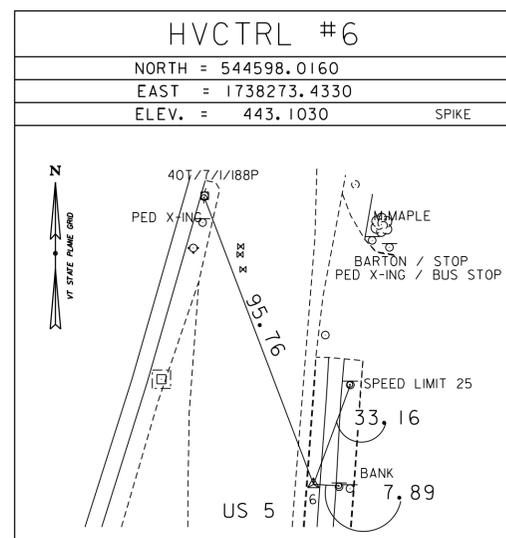
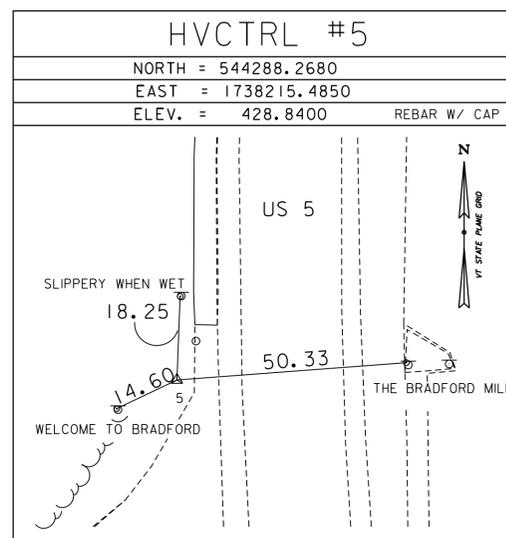
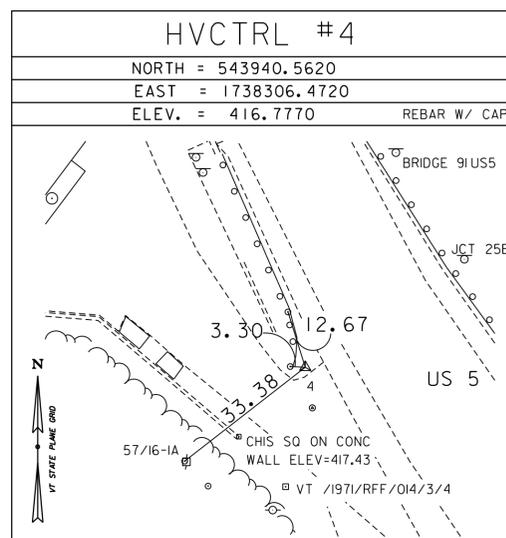
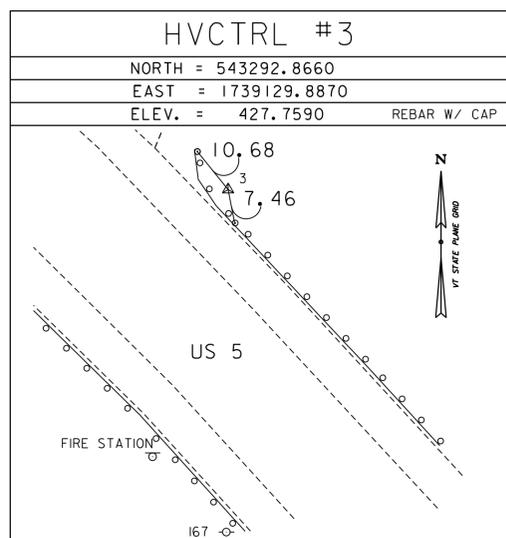
HVCTRL #2  
 NORTH = 542742.1230  
 EAST = 1739460.3370  
 ELEV. = 455.6100

TO REACH FROM THE INTERSECTION OF ROUTES 5 AND 25 IN BRADFORD, GO NORTH ALONG ROUTE 5 FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF CARSON DRIVE ON THE RIGHT AND THE SITE OF THE MARK IN THE SOUTHEAST QUADRANT OF THE INTERSECTION.

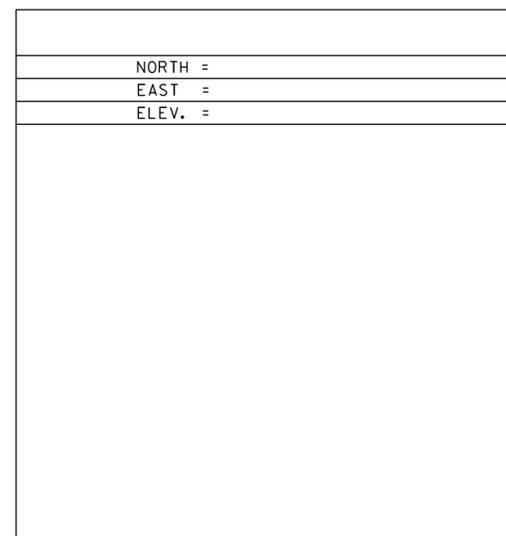
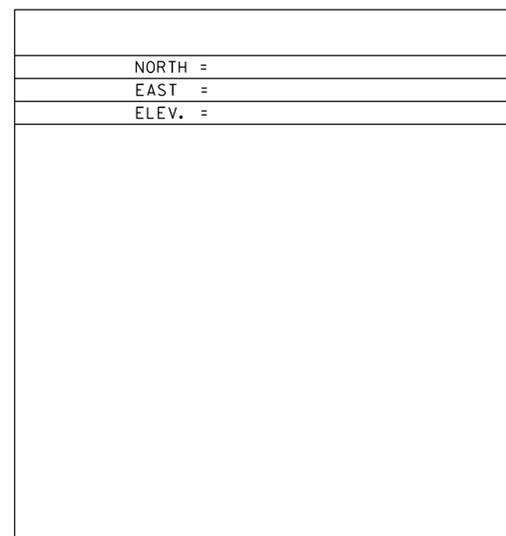
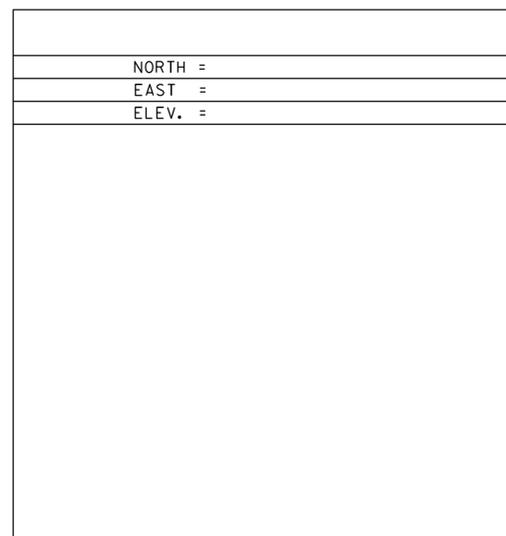
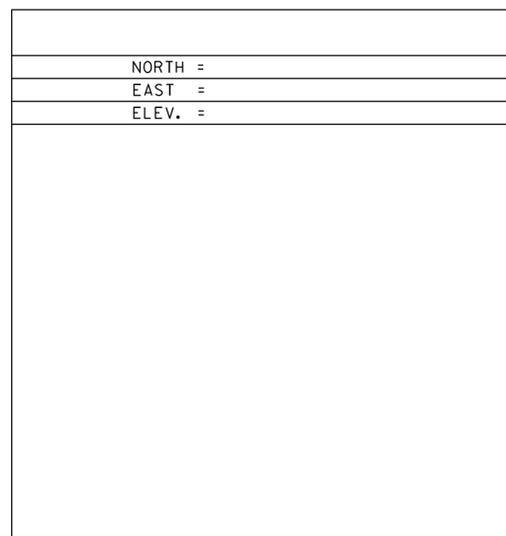
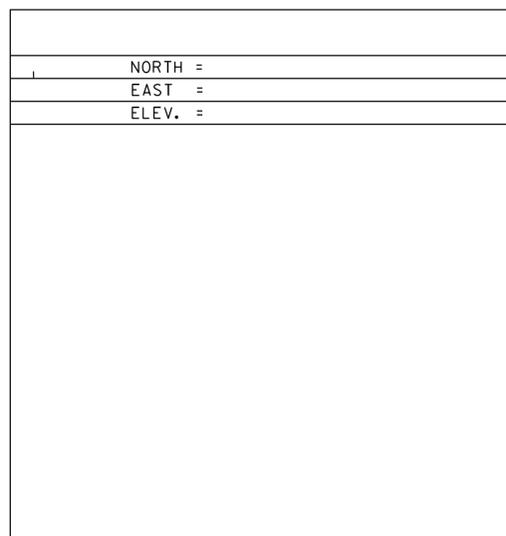
THE MARK IS A 3/4 INCH (19 MM) REBAR WITH RED PLASTIC CAP SET 0.2 FT (6 CM) BELOW GROUND SURFACE.

IT IS 26.0' WEST AND 0.8' HIGHER THEN ROUTE 5 AND CARSON DR, 64.8 FT (19.8 M) SOUTH OF POLE 57/12, 32.6 FT (9.9 M) NORTHWEST OF POLE 57/11/7 AND 45.1 FT (13.7 M) WEST-SOUTHWEST OF A FIRE HYDRANT.

SECONDARY CONTROL



ALIGNMENT TIES



DATUM  
 VERTICAL NAVD 88  
 HORIZONTAL NAD83 (2011)  
 ADJUSTMENT COMPASS

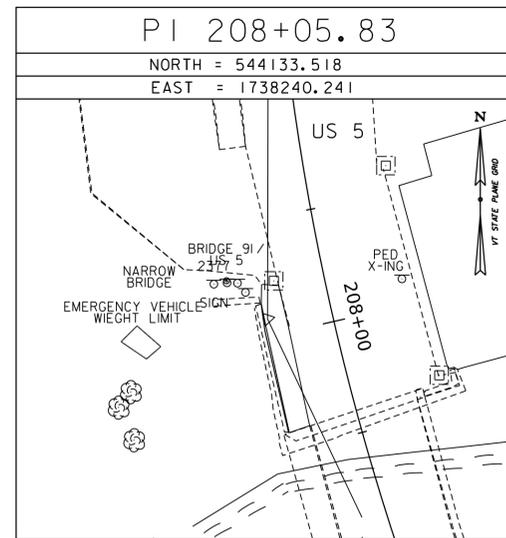
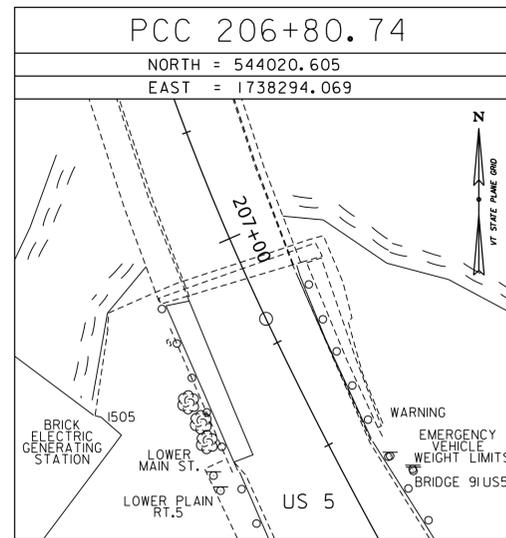
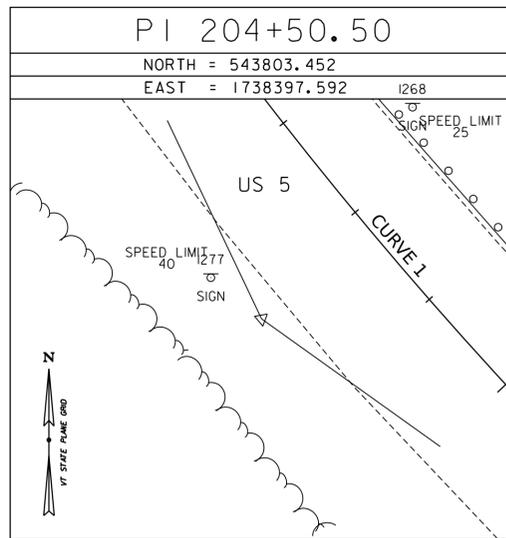
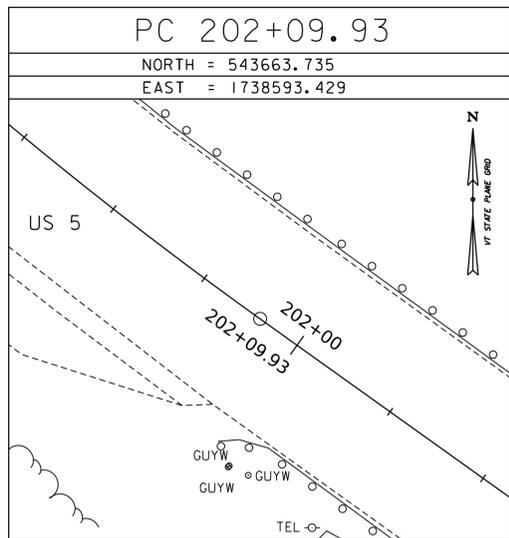
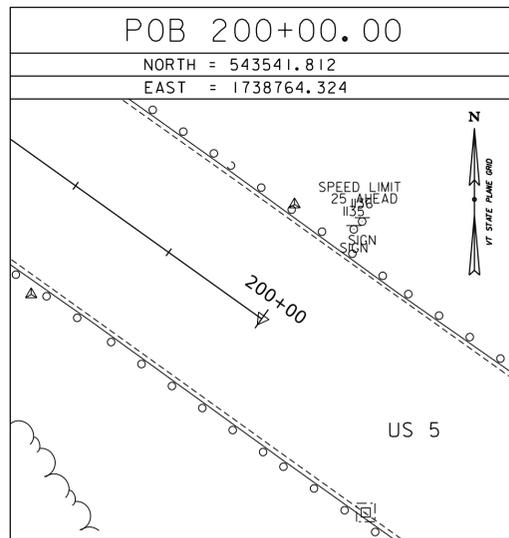
TRAVERSE COMPLETED 9/14/2023 BY T. CATTANEO & H. MCGOWAN



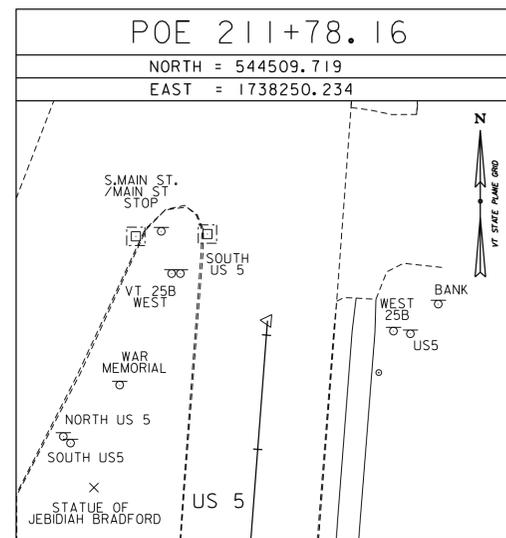
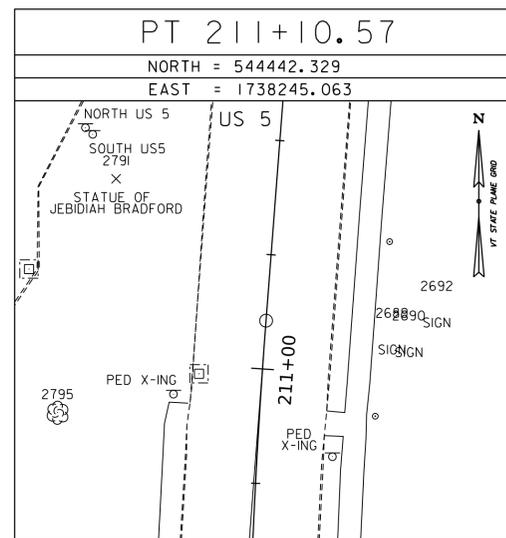
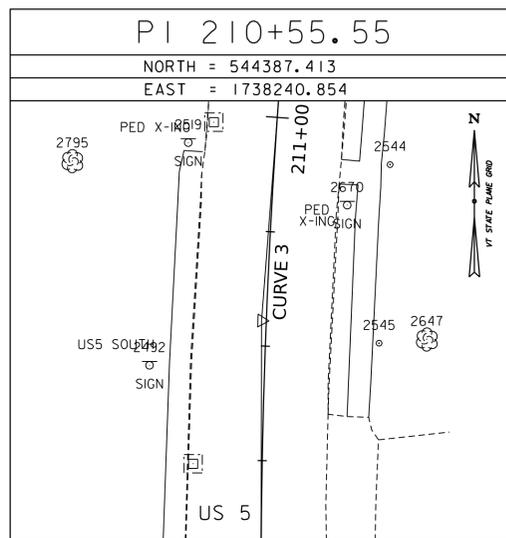
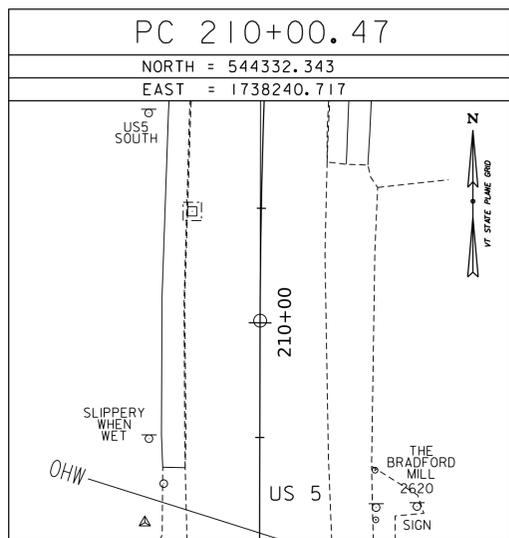
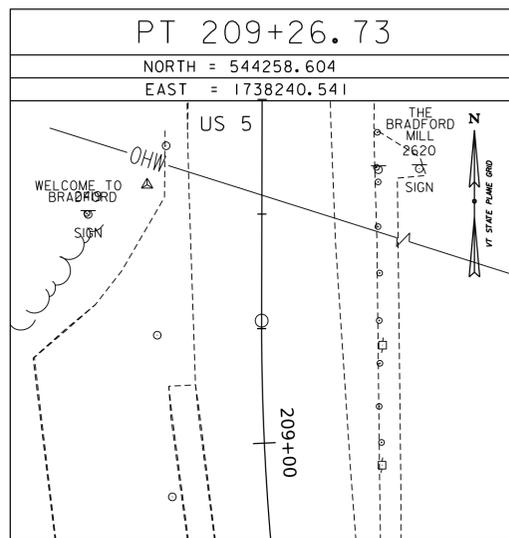
PROJECT NAME: BRADFORD  
 PROJECT NUMBER: BF 0113 (89)  
 FILE NAME: z22b388tie  
 PROJECT LEADER: T. FRENCH  
 DESIGNED BY: VTRANS  
 TIE SHEET 1 OF 2

PLOT DATE: 22-SEP-2025  
 DRAWN BY: H. MCGOWAN  
 CHECKED BY: R. GILMAN  
 SHEET 10 OF 43

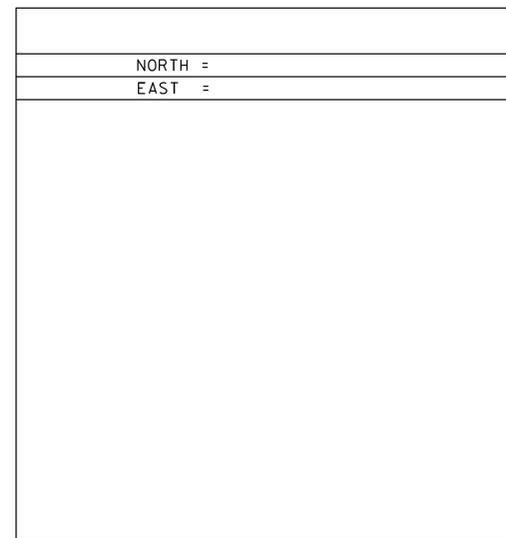
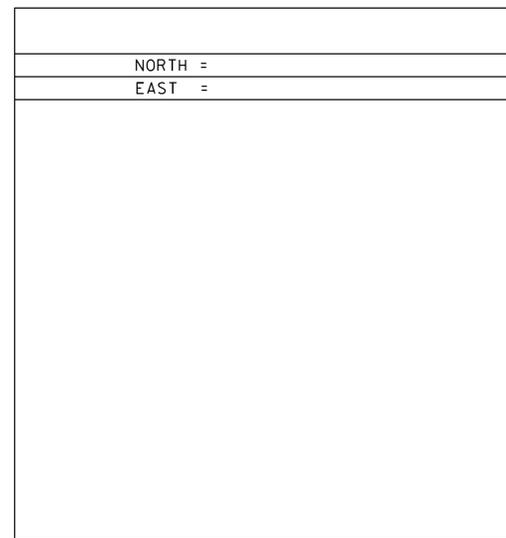
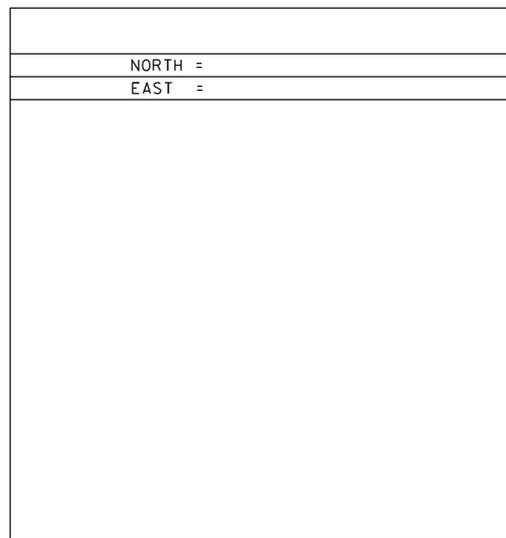
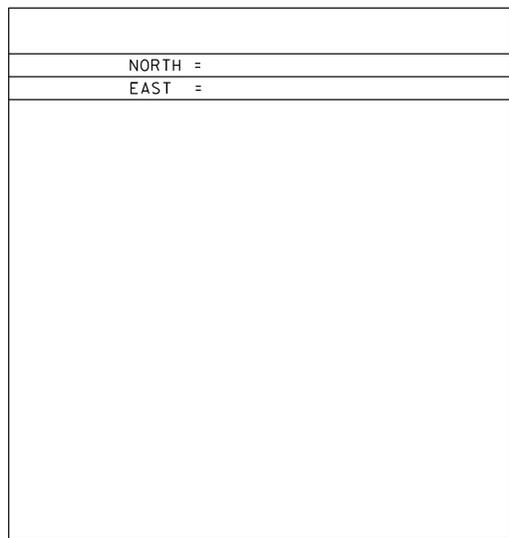
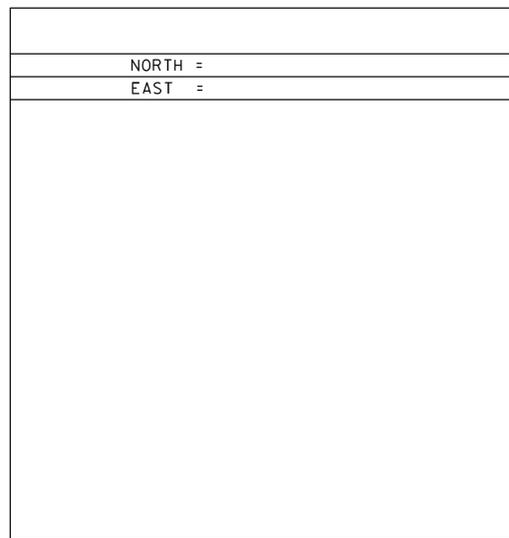
ALIGNMENT TIES



ALIGNMENT TIES



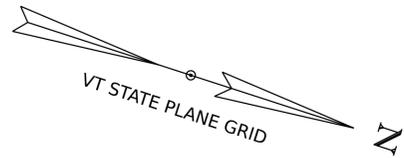
ALIGNMENT TIES



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD83 (2011)
ADJUSTMENT	COMPASS



PROJECT NAME:	BRADFORD
PROJECT NUMBER:	BF 0113 (89)
FILE NAME:	z22b388tie
PROJECT LEADER:	T.FRENCH
DESIGNED BY:	P. LEFEBVRE
TIE SHEET 2 OF 2	
PLOT DATE:	22-SEP-2025
DRAWN BY:	P. LEFEBVRE
CHECKED BY:	S. BOYINGTON
SHEET	11 OF 43



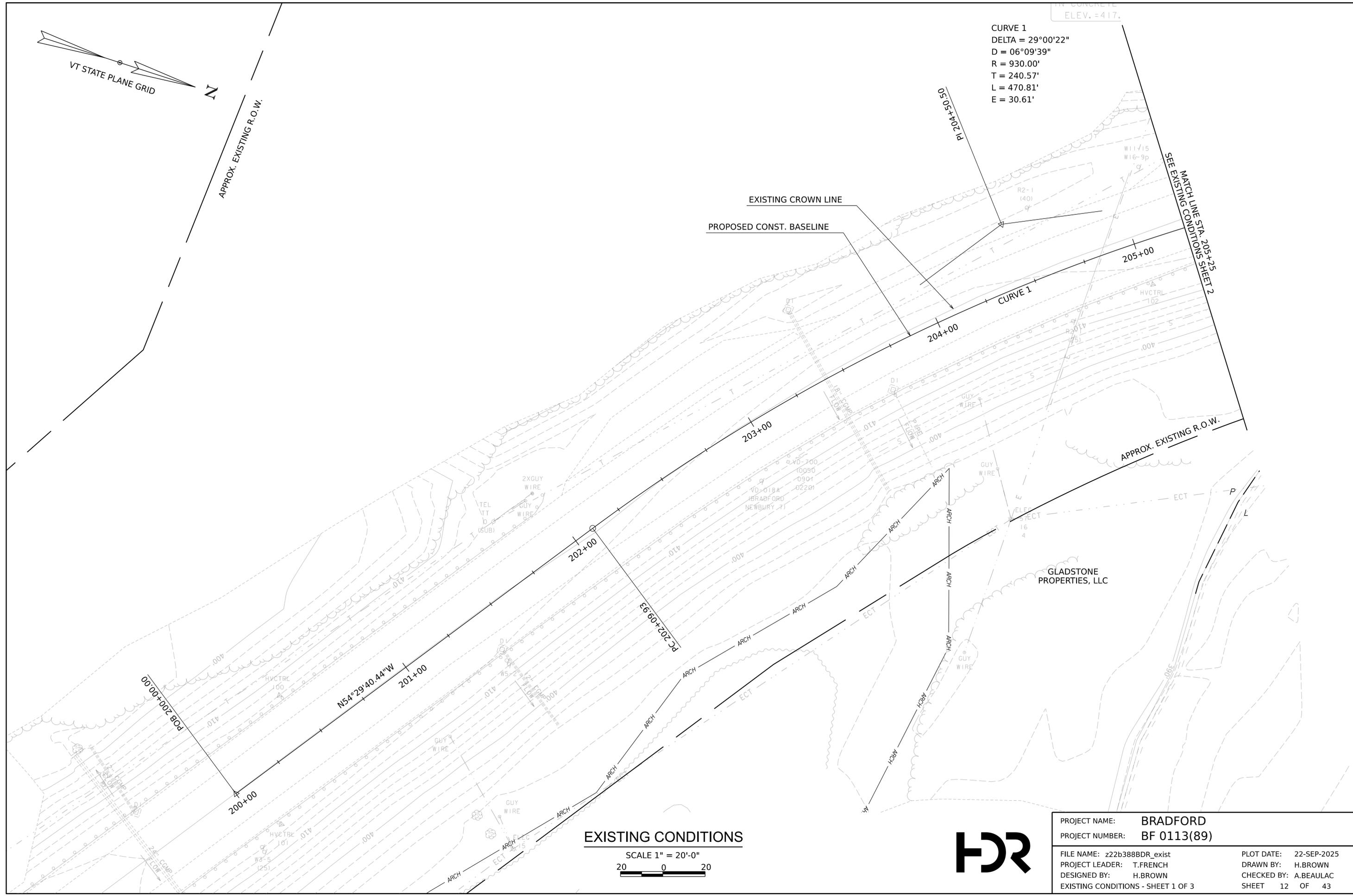
APPROX. EXISTING R.O.W.

CURVE 1  
 DELTA = 29°00'22"  
 D = 06°09'39"  
 R = 930.00'  
 T = 240.57'  
 L = 470.81'  
 E = 30.61'

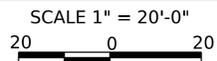
EXISTING CROWN LINE  
 PROPOSED CONST. BASELINE

SEE EXISTING CONDITIONS SHEET 2  
 MATCH LINE STA. 205+25

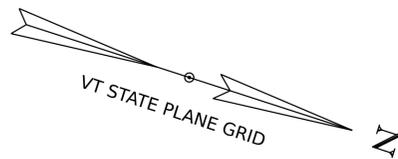
APPROX. EXISTING R.O.W.



EXISTING CONDITIONS



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H.BROWN
FILE NAME:	z22b388BDR_exist	CHECKED BY:	A.BEAULAC
PROJECT LEADER:	T.FRENCH	SHEET	12 OF 43
DESIGNED BY:	H.BROWN	EXISTING CONDITIONS - SHEET 1 OF 3	



BRADFORD HYDRO-ELEC. INC. C/O  
GMPC ATTN PROPERTY TAX ADMIN

STATE OF VERMONT

BRADFORD HYDRO-ELEC. INC.  
C/O  
GMPC ATTN  
PROPERTY TAX  
ADMIN

CURVE 2  
DELTA = 25°37'33"  
D = 10°25'03"  
R = 550.00'  
T = 125.09'  
L = 245.99'  
E = 14.05'

BENCHMARK  
CHISELED SQUARE  
IN CONCRETE WALL  
ELEV. = 417.43

EXISTING CROWN LINE  
PROPOSED CONST. BASELINE

TOWN OF BRADFORD

SEE EXISTING CONDITIONS SHEET 1  
MATCH LINE STA. 205+25

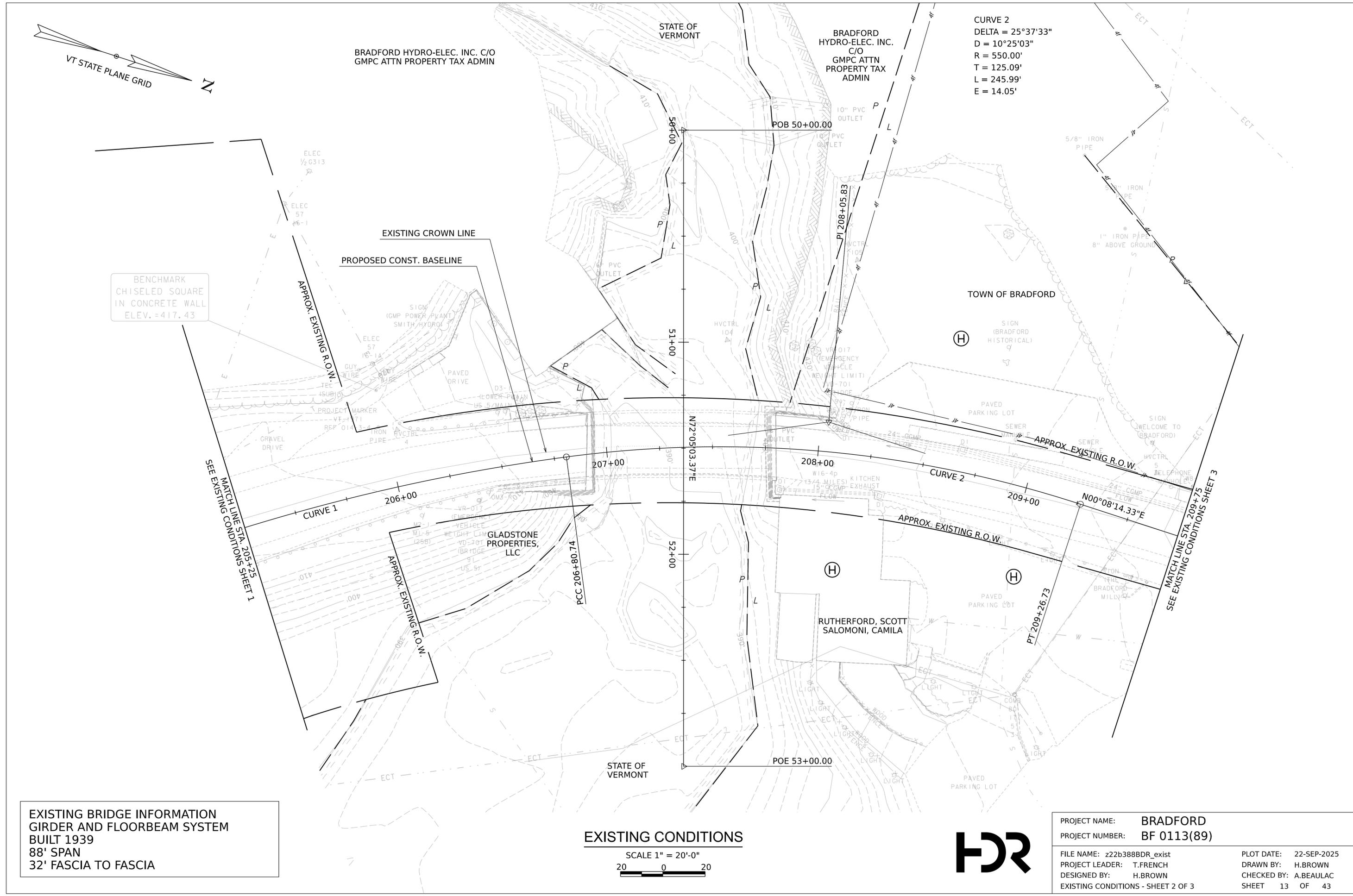
SEE EXISTING CONDITIONS SHEET 3  
MATCH LINE STA. 209+75

EXISTING BRIDGE INFORMATION  
GIRDER AND FLOORBEAM SYSTEM  
BUILT 1939  
88' SPAN  
32' FASCIA TO FASCIA

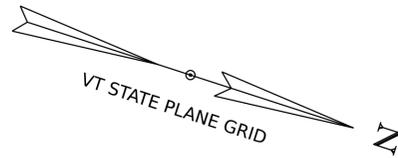
EXISTING CONDITIONS  
SCALE 1" = 20'-0"  
20 0 20



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H.BROWN
FILE NAME:	z22b388BDR_exist	CHECKED BY:	A.BEAULAC
PROJECT LEADER:	T.FRENCH	SHEET	13 OF 43
DESIGNED BY:	H.BROWN		
EXISTING CONDITIONS - SHEET 2 OF 3			







APPROX. EXISTING R.O.W.

MGS GUARDRAIL, GALVANIZED  
US 5 STA 201+00 RT - US 5 STA 205+25 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
US 5 STA 201+00 RT - US 5 STA 205+25 RT

CURVE 1  
DELTA = 29°00'22"  
D = 06°09'39"  
R = 930.00'  
T = 240.57'  
L = 470.81'  
E = 30.61'

PROP CB-3  
STATION: 203+66.85  
OFFSET: 37.00' LT  
RIM: 411.97  
INV (OUT): XX.XX

ABANDON DI

ABANDON PIPE

CONSTRUCTION LIMITS

PROP CB-4  
STATION: 203+66.85  
OFFSET: 18.00' RT  
RIM: 412.18  
INV (IN): XX.XX  
INV (OUT): XX.XX

PROP CB-1  
STATION: 201+42.48  
OFFSET: 19.37' LT  
RIM: 414.23  
INV (OUT): XX.XX

BEGIN APPROACH  
STA 200+50.00

END APPROACH  
BEGIN PROJECT  
STA 201+00.00

REPLACE OUTLET PIPE

GLADSTONE  
PROPERTIES, LLC

CONSTRUCTION LIMITS

PROP CB-2  
STATION: 201+41.51  
OFFSET: 20.34' RT  
RIM: 413.95  
INV (IN): XX.XX  
INV (OUT): XX.XX

REPLACE OUTLET PIPE

APPROXIMATE OHW (TYP.)

WAITS RIVER  
FLOW

### ROADWAY LAYOUT

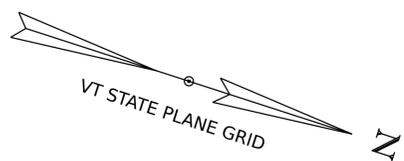
SCALE 1" = 20'-0"  
20 0 20



PROJECT NAME: BRADFORD  
PROJECT NUMBER: BF 0113(89)

FILE NAME: z22b388BDR_layout  
PROJECT LEADER: T.FRENCH  
DESIGNED BY: H. BROWN  
ROADWAY LAYOUT SHEET 1

PLOT DATE: 22-SEP-2025  
DRAWN BY: H. BROWN  
CHECKED BY: K. MORRISON  
SHEET 15 OF 43



BRADFORD HYDRO-ELEC. INC. C/O  
GMPC ATTN PROPERTY TAX ADMIN

BRADFORD HYDRO-ELEC. INC.  
C/O  
GMPC ATTN  
PROPERTY TAX  
ADMIN

CURVE 2  
DELTA = 25°37'33"  
D = 10°25'03"  
R = 550.00'  
T = 125.09'  
L = 245.99'  
E = 14.05'

MAINLINE STA. 207+36.31=  
CHANNEL STA. 51+49.58  
Δ = 88° 12' 58" TO TANGENT

CONSTRUCTION LIMITS

TEMP. CONSTRUCTION LIMITS

BENCHMARK  
CHISELED SQUARE  
IN CONCRETE WALL  
ELEV. = 417.43

PROP CB-5  
STATION: 206+14.94  
OFFSET: 15.00' LT  
RIM: 417.17  
INV (OUT): XX.XX

REMOVE AND RESET  
POST AND RAIL FENCE

PROP CB-7  
STATION: 208+11.37  
OFFSET: 15.00' LT  
RIM: 423.16  
INV (IN): XX.XX  
INV (OUT): XX.XX

CONSTRUCTION LIMITS

PROP CB-9  
STATION: 208+49.94  
OFFSET: 15.00' LT  
RIM: 424.59  
INV (IN): XX.XX  
INV (OUT): XX.XX

MGS GUARDRAIL, GALVANIZED  
US 5 STA 206+15 LT - US 5 STA 206+40 LT  
US 5 STA 207+95 LT - US 5 STA 208+16 LT  
US 5 STA 205+25 RT - US 5 STA 206+06 RT  
US 5 STA 207+99 RT - US 5 STA 208+25 RT

MANUFACTURED TERMINAL SECTION, FLARED  
US 5 STA 206+03 LT - US 5 STA 206+15 LT  
US 5 STA 208+16 LT - US 5 STA 208+16 LT  
US 5 STA 208+25 RT - US 5 STA 208+38 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
US 5 STA 206+06 LT - US 5 STA 206+92 LT  
US 5 STA 205+25 RT - US 5 STA 206+92 RT

BRIDGE RAILING, GALVANIZED STEEL  
TUBING/CONCRETE COMBINATION  
US 5 STA 206+58 LT - US 5 STA 207+74 LT  
US 5 STA 206+25 RT - US 5 STA 207+80 RT

GUARDRAIL APPROACH SECTION, GALVANIZED STEEL  
TUBING/CONCRETE COMBINATION  
US 5 STA 206+40 LT - US 5 STA 206+58 LT  
US 5 STA 207+74 LT - US 5 STA 207+95 LT  
US 5 STA 206+06 RT - US 5 STA 206+25 RT  
US 5 STA 207+80 RT - US 5 STA 207+99 RT

EXISTING BRIDGE INFORMATION  
GIRDER AND FLOORBEAM SYSTEM  
BUILT 1939  
88' SPAN  
32' FASCIA TO FASCIA

CONSTRUCTION LIMITS

PROP CB-6  
STATION: 206+14.94  
OFFSET: 15.00' RT  
RIM: 416.25  
INV (IN): XX.XX  
INV (OUT): XX.XX

PROP OUTFALL  
STATION: 206+14.94  
OFFSET: 29.57' RT  
INV (OUT): XX.XX

PROP DMH-1  
STATION: 208+11.37  
OFFSET: 00.00' RT  
RIM: 422.76  
INV (IN): XX.XX  
INV (OUT): XX.XX

PROP CB-8  
STATION: 208+39.42  
OFFSET: 17.00' RT  
RIM: 423.13  
INV (OUT): XX.XX

REMOVE DI

CONSTRUCTION LIMITS

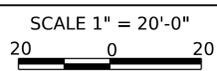
END BRIDGE  
STA. 207+78.17

REMOVE DI

APPROXIMATE OHW (TYP.)

POE 53+00.00

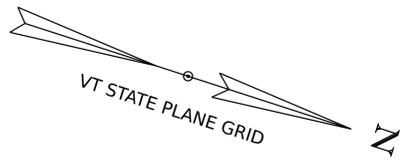
ROADWAY LAYOUT



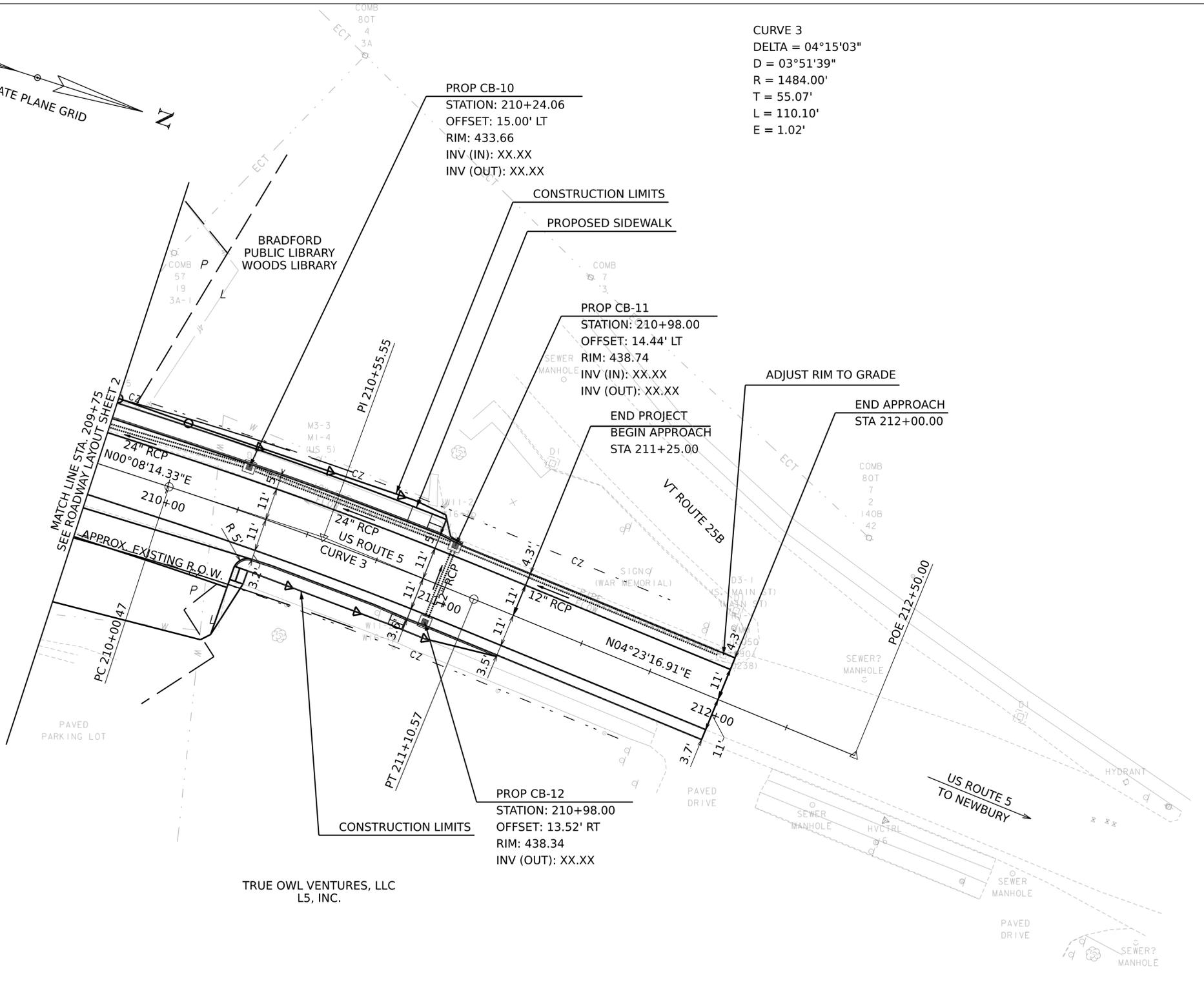
PROJECT NAME: BRADFORD  
PROJECT NUMBER: BF 0113(89)

FILE NAME: z22b388BDR_layout  
PROJECT LEADER: T.FRENCH  
DESIGNED BY: H. BROWN  
ROADWAY LAYOUT SHEET 2

PLOT DATE: 22-SEP-2025  
DRAWN BY: H. BROWN  
CHECKED BY: K. MORRISON  
SHEET 16 OF 43



CURVE 3  
 DELTA = 04°15'03"  
 D = 03°51'39"  
 R = 1484.00'  
 T = 55.07'  
 L = 110.10'  
 E = 1.02'



PROP CB-10  
 STATION: 210+24.06  
 OFFSET: 15.00' LT  
 RIM: 433.66  
 INV (IN): XX.XX  
 INV (OUT): XX.XX

CONSTRUCTION LIMITS  
 PROPOSED SIDEWALK

PROP CB-11  
 STATION: 210+98.00  
 OFFSET: 14.44' LT  
 RIM: 438.74  
 INV (IN): XX.XX  
 INV (OUT): XX.XX

END PROJECT  
 BEGIN APPROACH  
 STA 211+25.00

ADJUST RIM TO GRADE  
 END APPROACH  
 STA 212+00.00

PROP CB-12  
 STATION: 210+98.00  
 OFFSET: 13.52' RT  
 RIM: 438.34  
 INV (OUT): XX.XX

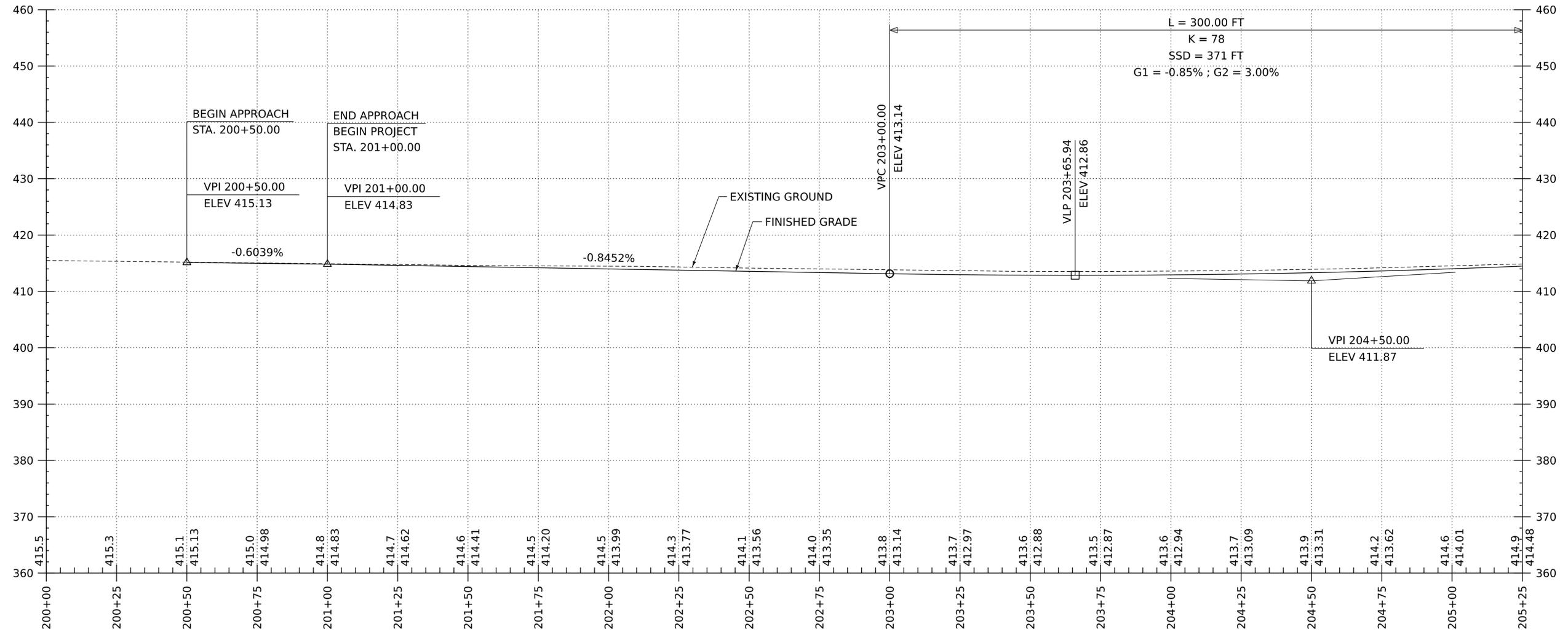
TRUE OWL VENTURES, LLC  
 L5, INC.

ROADWAY LAYOUT

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



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388BDR_layout	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	ROADWAY LAYOUT SHEET 3	SHEET 17 OF 43
DESIGNED BY:	H. BROWN		

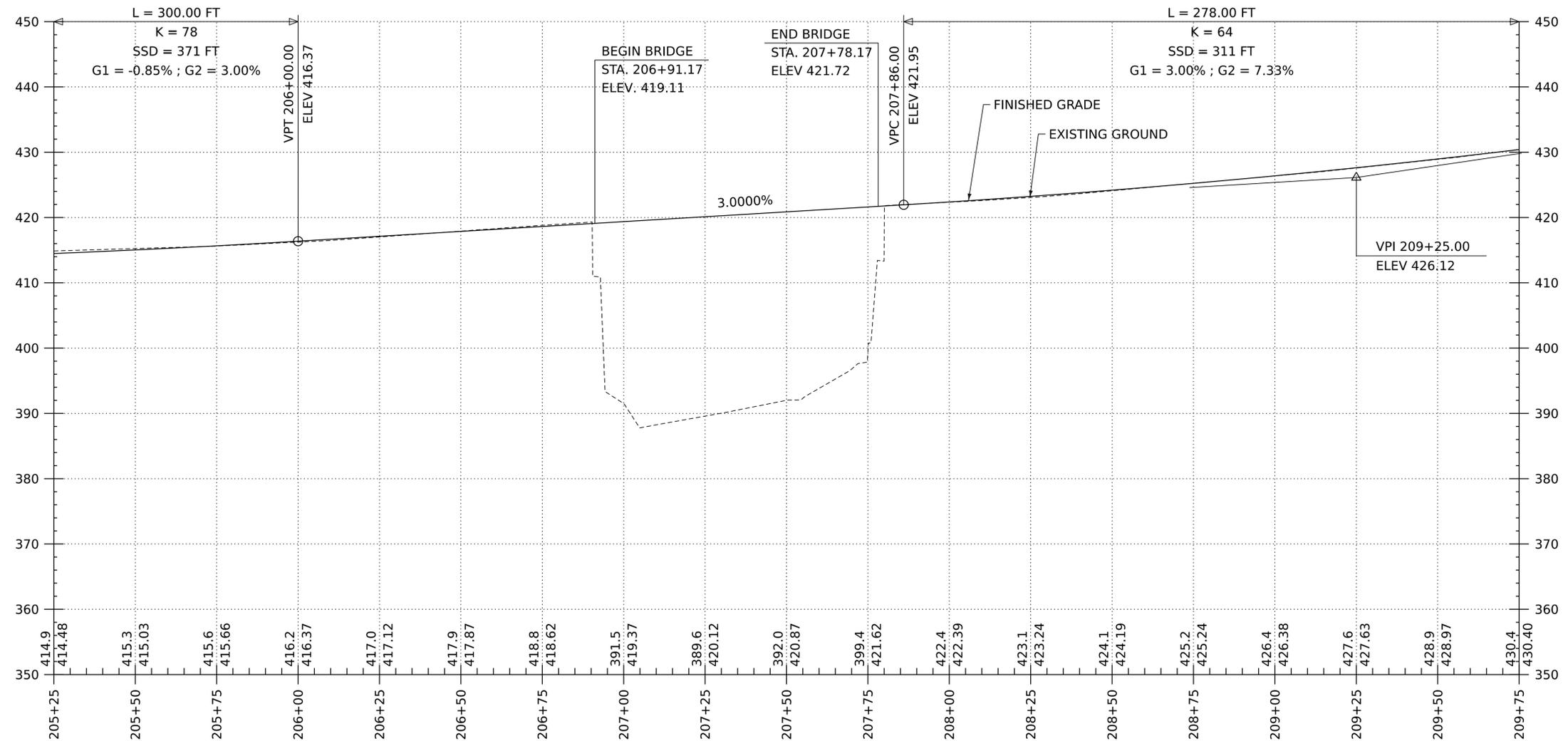


**NOTE:**  
 ELEVATIONS SHOWN TO THE NEAREST TENTH ARE  
 EXISTING GROUND ALONG PROPOSED CENTERLINE.  
 ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE  
 FINISH GRADES ALONG PROPOSED CENTERLINE.

**US ROUTE 5 PROFILE**  
 SCALE: HORIZONTAL 1" = 20'-0"  
 VERTICAL 1" = 10'-0"



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388geomUS05_1	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	18 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 PROFILE - SHEET 1 OF 3	



**NOTE:**

ELEVATIONS SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.

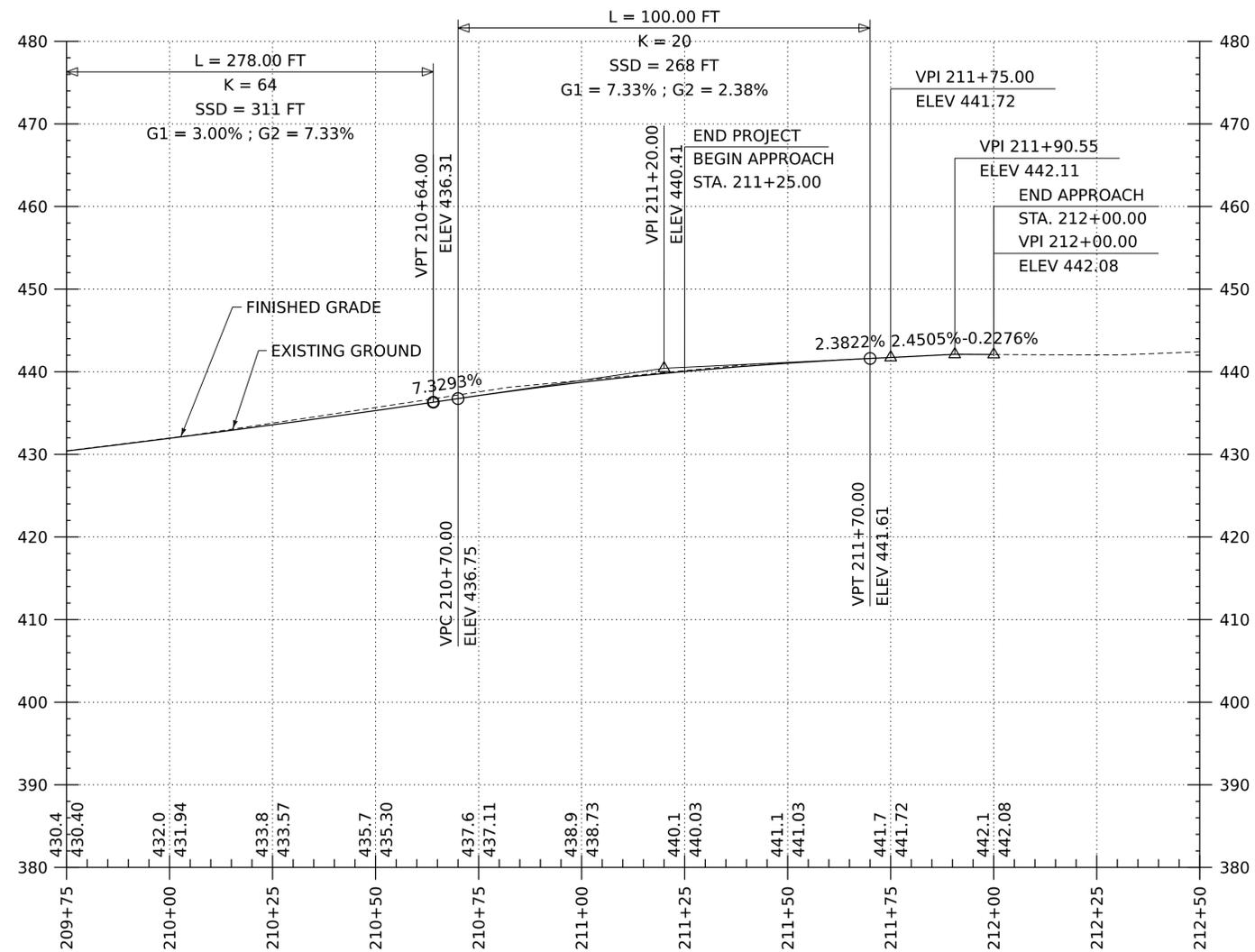
ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADES ALONG PROPOSED CENTERLINE.

**US ROUTE 5 PROFILE**

SCALE: HORIZONTAL 1" = 20'-0"  
VERTICAL 1" = 10'-0"



PROJECT NAME:	<b>BRADFORD</b>	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	<b>BF 0113(89)</b>	DRAWN BY:	H. BROWN
FILE NAME:	z22b388geomUS05_1	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	19 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 PROFILE - SHEET 2 OF 3	



**NOTE:**

ELEVATIONS SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.

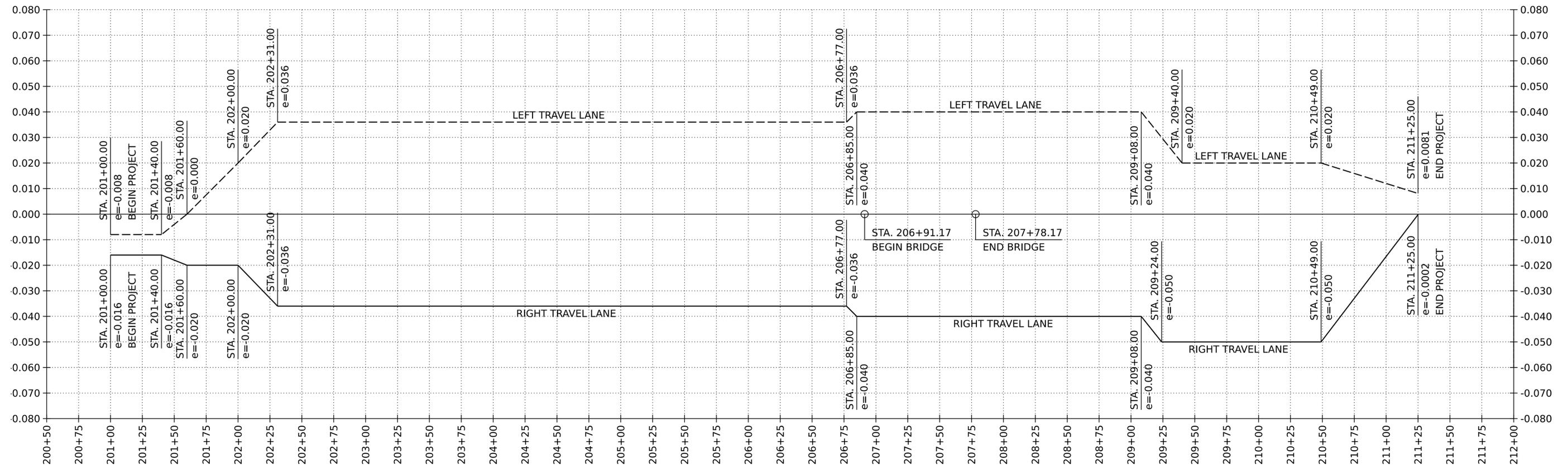
ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADES ALONG PROPOSED CENTERLINE.

**US ROUTE 5 PROFILE**

SCALE: HORIZONTAL 1" = 20'-0"  
VERTICAL 1" = 10'-0"

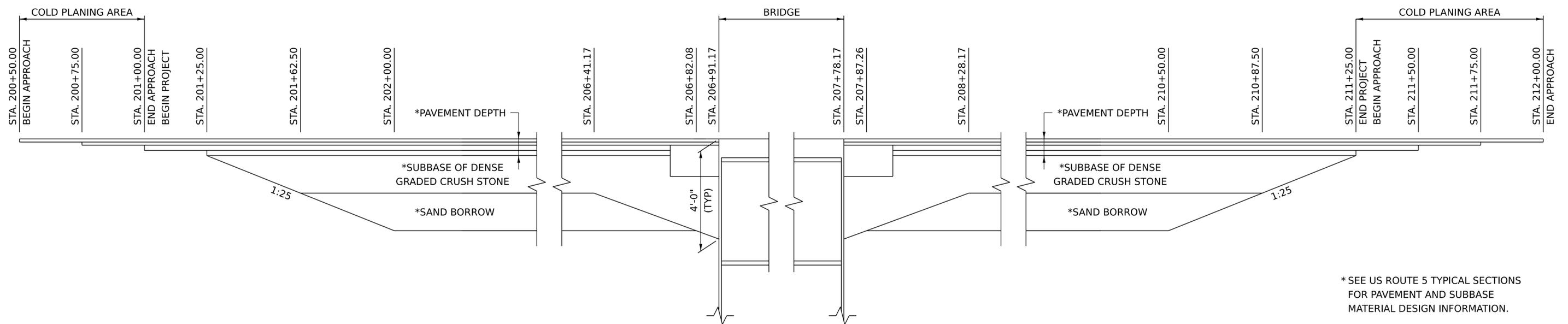


PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388geomUS05_1	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T.FRENCH	SHEET	20 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 PROFILE - SHEET 3 OF 3	



**BANKING DIAGRAM US ROUTE 5**

HORIZONTAL SCALE: 1" = 40'-0"  
 VERTICAL SCALE: 1" = 0.020

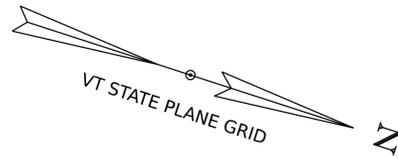


**MATERIAL TRANSITION DETAIL US ROUTE 5**

HORIZONTAL SCALE: 1" = 20'-0"  
 VERTICAL SCALE: 1" = 2'-0"



PROJECT NAME:	BRADFORD
PROJECT NUMBER:	BF 0113(89)
FILE NAME:	z22b388BDR_banking
PROJECT LEADER:	T.FRENCH
DESIGNED BY:	H. BROWN
BANKING & MATERIAL TRANSITION SHEET	
PLOT DATE:	22-SEP-2025
DRAWN BY:	H. BROWN
CHECKED BY:	K. MORRISON
SHEET	21 OF 43



**4 INCH WHITE LINE**  
 US 5 STA 200+50.00 LT - US 5 STA 205+25.00 LT (2 EA)  
 US 5 STA 200+50.00 RT - US 5 STA 205+25.00 RT

**4 INCH YELLOW LINE**  
 US 5 STA 200+50.00 CL - US 5 STA 206+10.97 CL (DOUBLE)

**REMOVING SIGNS**  
 US 5 STA 201+40.2 RT (1 EA)  
 US 5 STA 202+89.6 RT (1 EA)  
 US 5 STA 203+06.1 RT (1 EA)  
 US 5 STA 204+58.9 LT (1 EA)  
 US 5 STA 204+59.9 RT (1 EA)  
 US 5 STA 205+13.1 LT (2 EA)

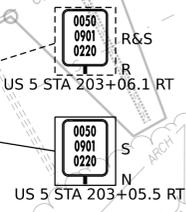
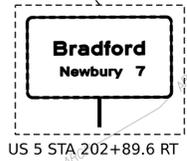
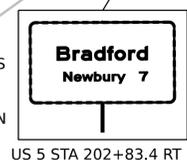
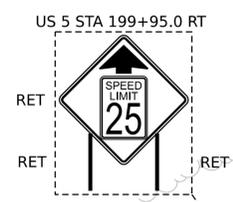
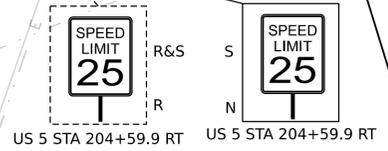
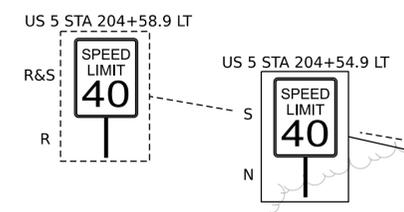
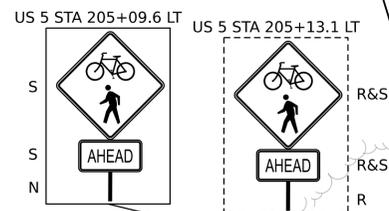
**ERECTING SALVAGED SIGNS**  
 US 5 STA 202+83.4 RT (1 EA)  
 US 5 STA 203+05.5 RT (1 EA)  
 US 5 STA 204+54.9 LT (1 EA)  
 US 5 STA 204+55.8 RT (1 EA)  
 US 5 STA 205+09.6 LT (1 EA)

**4 INCH SOLID WHITE LINE**

**4 INCH DOUBLE SOLID YELLOW LINE**

**4 INCH SOLID WHITE LINE**

**3' BUFFER**



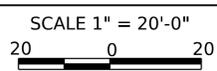
APPROX. EXISTING R.O.W.

SEE TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 2  
 MATCH LINE STA. 205+25

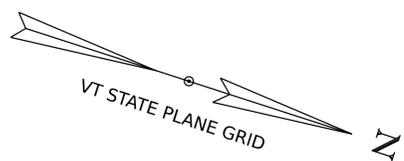
APPROX. EXISTING R.O.W.

WAITS RIVER  
 FLOW

**TRAFFIC SIGNS & PAVEMENT MARKINGS**



PROJECT NAME:	<b>BRADFORD</b>	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	<b>BF 0113(89)</b>	DRAWN BY:	C. NADLER
FILE NAME:	z22b388BDR_ts	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T.FRENCH	TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 1	SHEET 22 OF 43
DESIGNED BY:	C. NADLER		

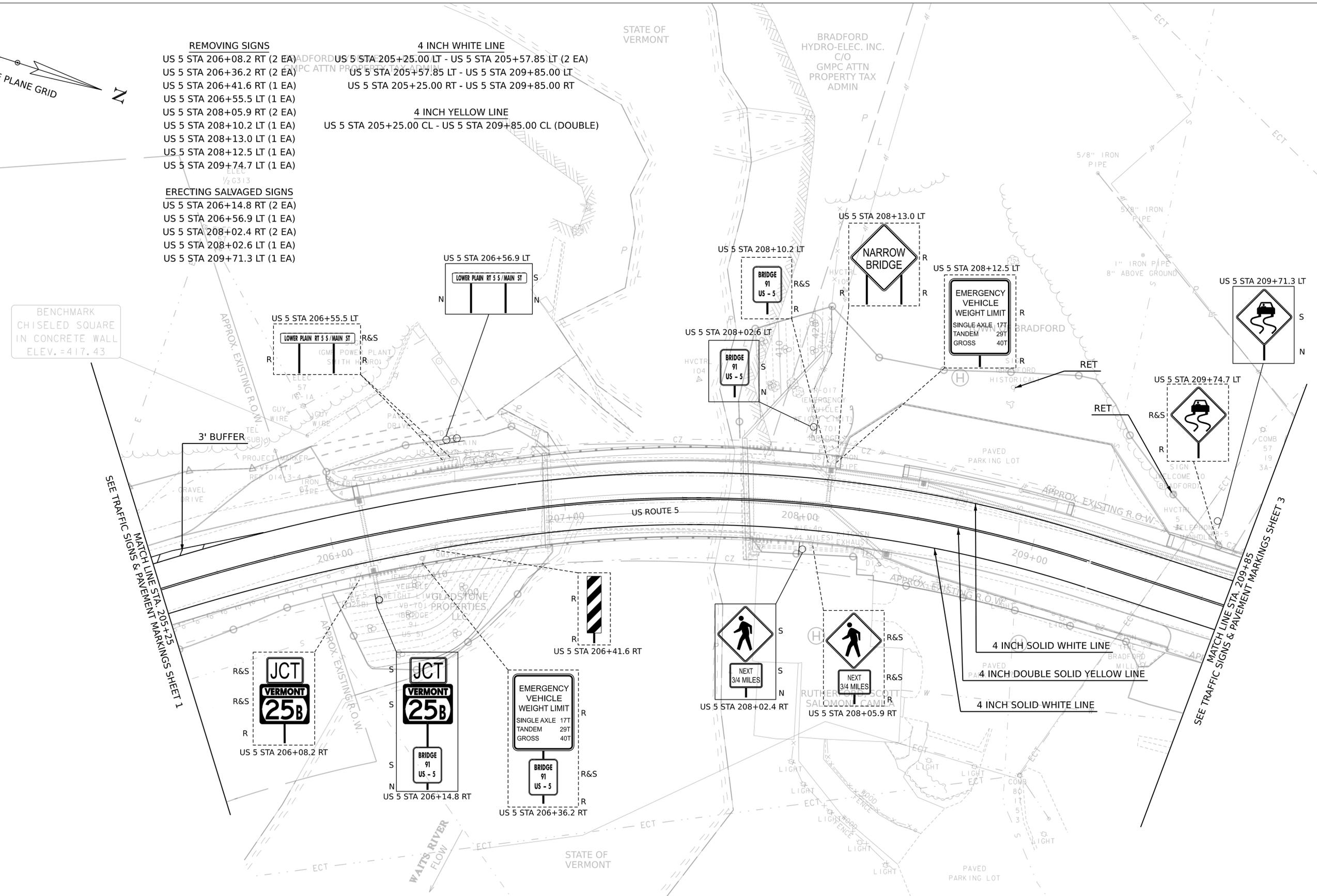


- REMOVING SIGNS**
- US 5 STA 206+08.2 RT (2 EA)
  - US 5 STA 206+36.2 RT (2 EA)
  - US 5 STA 206+41.6 RT (1 EA)
  - US 5 STA 206+55.5 LT (1 EA)
  - US 5 STA 208+05.9 RT (2 EA)
  - US 5 STA 208+10.2 LT (1 EA)
  - US 5 STA 208+13.0 LT (1 EA)
  - US 5 STA 208+12.5 LT (1 EA)
  - US 5 STA 209+74.7 LT (1 EA)
- ERECTING SALVAGED SIGNS**
- US 5 STA 206+14.8 RT (2 EA)
  - US 5 STA 206+56.9 LT (1 EA)
  - US 5 STA 208+02.4 RT (2 EA)
  - US 5 STA 208+02.6 LT (1 EA)
  - US 5 STA 209+71.3 LT (1 EA)
- 4 INCH WHITE LINE**
- US 5 STA 205+25.00 LT - US 5 STA 205+57.85 LT (2 EA)
  - US 5 STA 205+57.85 LT - US 5 STA 209+85.00 LT
  - US 5 STA 205+25.00 RT - US 5 STA 209+85.00 RT
- 4 INCH YELLOW LINE**
- US 5 STA 205+25.00 CL - US 5 STA 209+85.00 CL (DOUBLE)

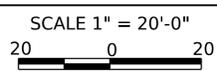
BENCHMARK  
CHISELED SQUARE  
IN CONCRETE WALL  
ELEV. = 417.43

SEE TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 1

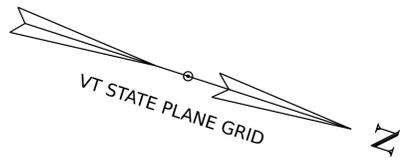
SEE TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 3



**TRAFFIC SIGNS & PAVEMENT MARKINGS**



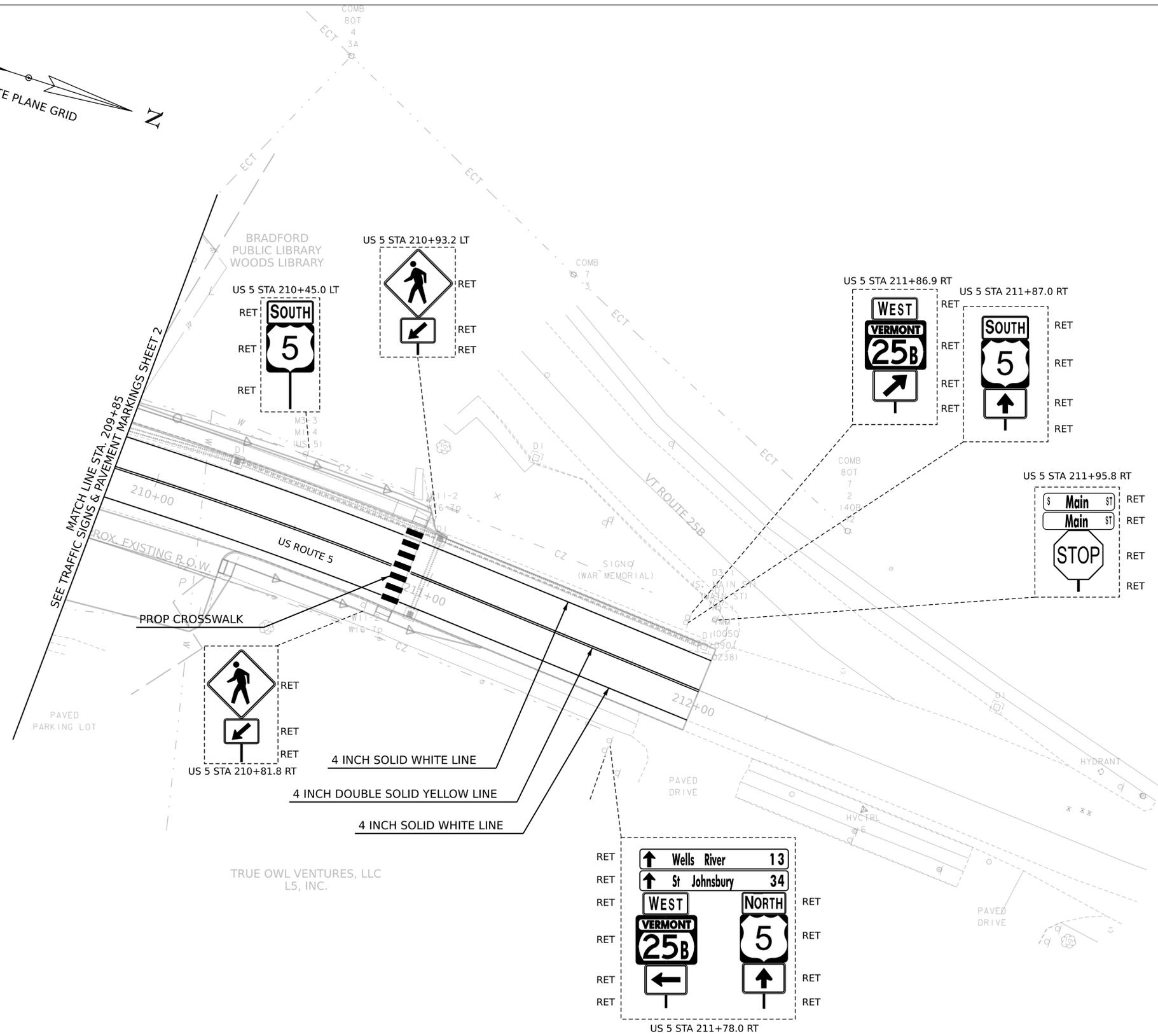
PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	C. NADLER
FILE NAME:	z22b388BDR_ts	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T.FRENCH	TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 2	SHEET 23 OF 43
DESIGNED BY:	C. NADLER		



**4 INCH WHITE LINE**  
 US 5 STA 209+85.00 LT - US 5 STA 210+85.8 LT  
 US 5 STA 209+85.00 RT - US 5 STA 210+86.1 RT  
 US 5 STA 210+92.7 LT - US 5 STA 212+00.00 LT  
 US 5 STA 210+92.8 RT - US 5 STA 212+00.00 RT

**4 INCH YELLOW LINE**  
 US 5 STA 209+85.00 CL - US 5 STA 210+85.8 CL (DOUBLE)  
 US 5 STA 210+92.9 CL - US 5 STA 212+00.00 CL (DOUBLE)

**24" X 72" CROSSWALK MARKING**  
 US 5 STA 210+89.4 (7 EA)



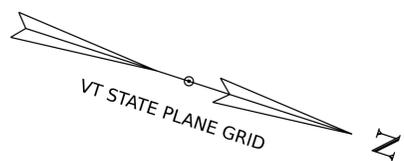
**TRAFFIC SIGNS & PAVEMENT MARKINGS**

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



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	C. NADLER
FILE NAME:	z22b388BDR_ts	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T.FRENCH	TRAFFIC SIGNS & PAVEMENT MARKINGS SHEET 3	SHEET 24 OF 43
DESIGNED BY:	C. NADLER		





BRADFORD HYDRO-ELEC. INC. C/O  
GMPC ATTN PROPERTY TAX ADMIN

STATE OF VERMONT

BRADFORD HYDRO-ELEC. INC.  
C/O  
GMPC ATTN  
PROPERTY TAX  
ADMIN

5'-0" TEMP. PEDESTRIAN ACCESS ROUTE (TYP.)

BENCHMARK  
CHISELED SQUARE  
IN CONCRETE WALL  
ELEV. = 417.43

BEGIN TEMP. PEDESTRIAN BRIDGE  
STA. 500+77.52

TEMP. PEDESTRIAN BRIDGE BASELINE

END TEMP. PEDESTRIAN BRIDGE  
STA. 502+47.53

5'-0" TEMP. PEDESTRIAN ACCESS ROUTE (TYP.)

TOWN OF BRADFORD

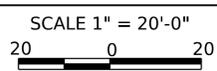
BRADFORD PUBLIC LIBRARY  
WOODS LIBRARY

GLADSTONE  
PROPERTIES,  
LLC

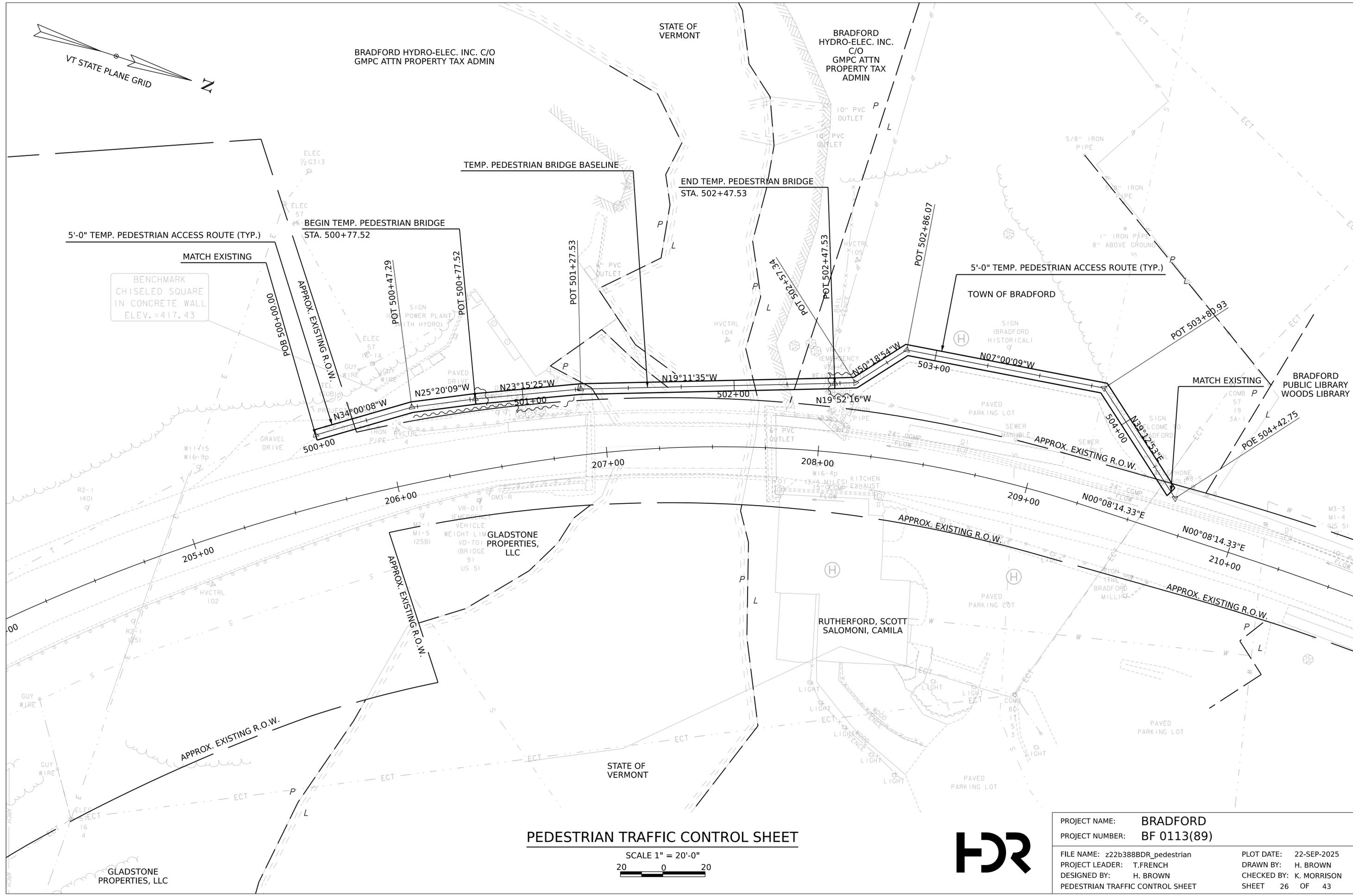
RUTHERFORD, SCOTT  
SALOMONI, CAMILA

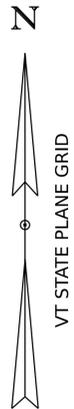
STATE OF VERMONT

### PEDESTRIAN TRAFFIC CONTROL SHEET



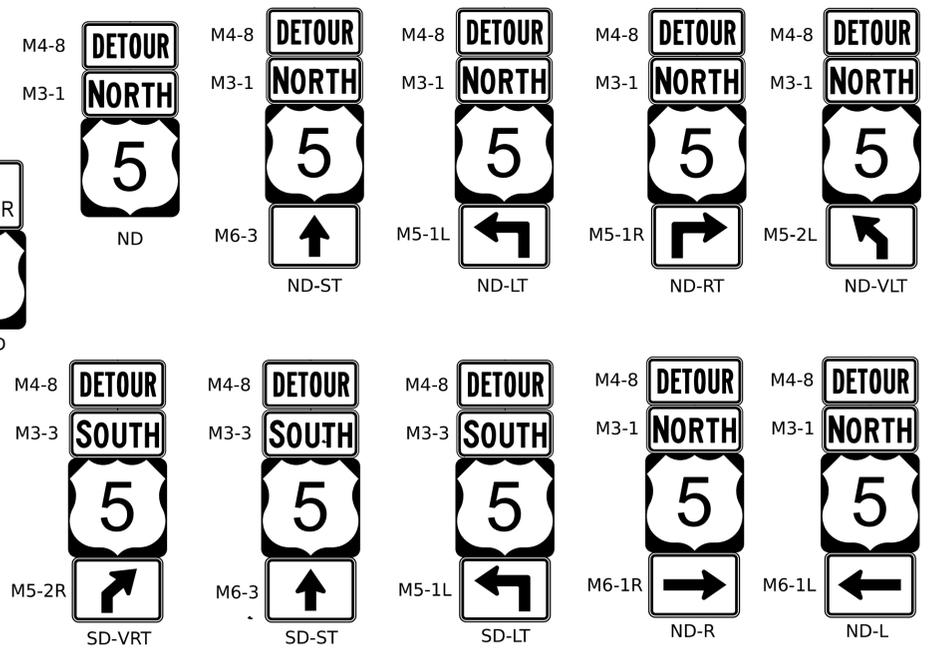
PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388BDR_pedestrian	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T.FRENCH	SHEET	26 OF 43
DESIGNED BY:	H. BROWN		
PEDESTRIAN TRAFFIC CONTROL SHEET			





**PCMS**  
LOCATE 1 MI. NORTH OF  
VT 25B/US 5 INTERSECTION  
ON US 5

**BRIDGE CLOSED**  
RT 5 - MAIN ST  
LOCAL TRAFFIC ONLY  
B-CLOSED



**BRADFORD BF 0113(89)  
PROJECT AREA**

**PCMS**  
LOCATE 1 MI. WEST OF  
VT 25/VT 25B INTERSECTION  
ON VT 25

**PCMS**  
LOCATE ON I-91  
SB OFF RAMP

**PCMS**  
LOCATE 1 MI. EAST OF  
VT 25/US 5 INTERSECTION  
ON VT 25

**PCMS**  
LOCATE ON I-91  
NB OFF RAMP

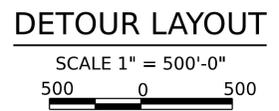
**PCMS**  
LOCATE 1 MI. SOUTH OF  
VT 25/US 5 INTERSECTION  
ON US 5

**NOTES:**

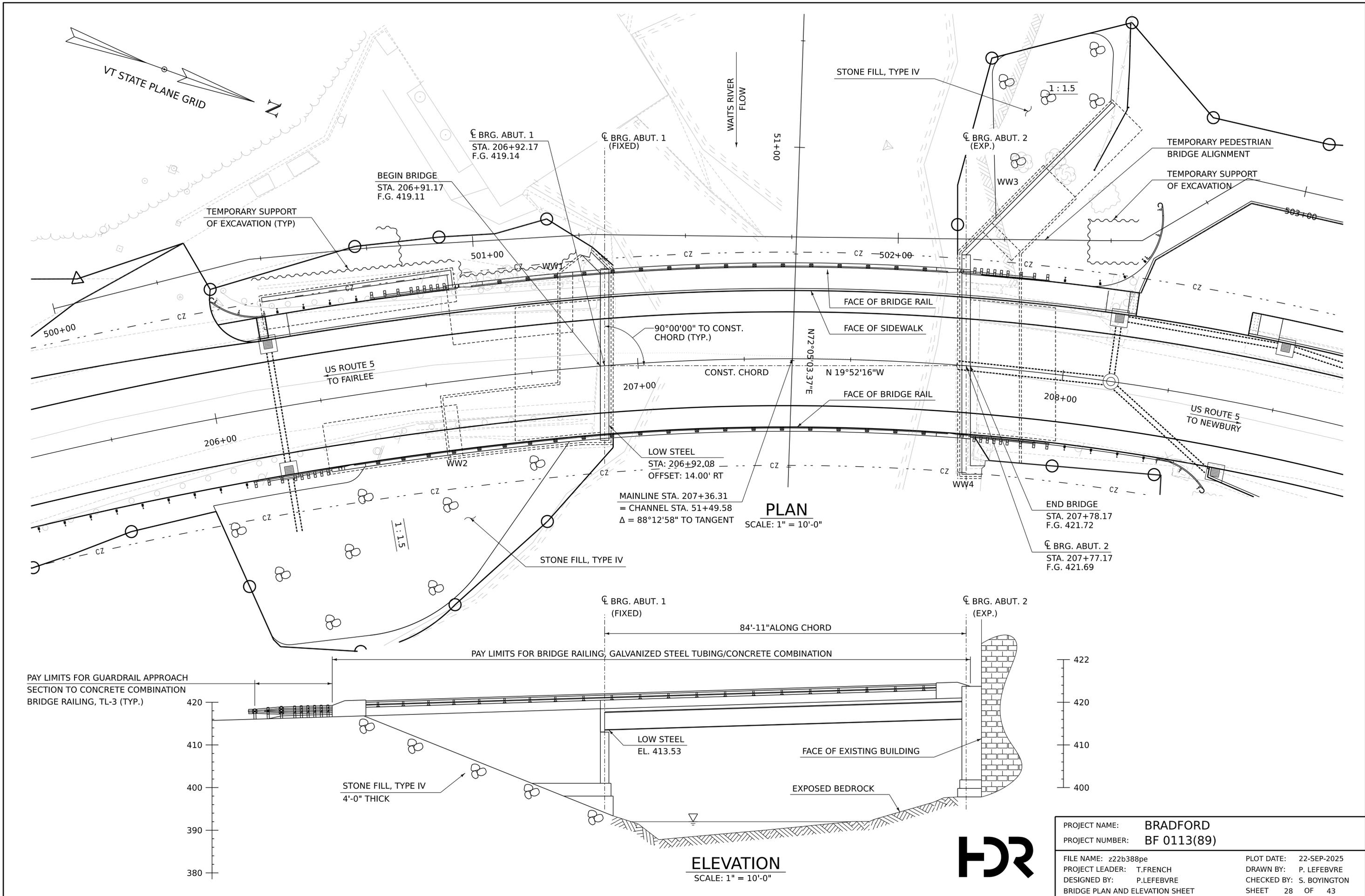
1. ALL ROUTE NUMBER AND DIRECTION SIGNS SHOWN ON THIS SHEET SHALL BE AS DETAILED IN STANDARD T-136.
2. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR THE IMMEDIATE PROJECT AREA, FOR ALL STAGES OF THE PROJECT. PAYMENT FOR THAT PLAN, AS WELL AS FOR ANY SIGNS, BARRICADES, BARRIERS, PAVEMENT MARKINGS, AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES NEEDED TO COMPLETE THE WORK, WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.1100 TRAFFIC CONTROL, ALL-INCLUSIVE.
3. THE PLACEMENT OF DETOUR SIGNS ON THIS SHEET IS APPROXIMATE. PLACEMENT OF DETOUR SIGNS IN URBAN AREAS SHALL NOT BLOCK SIGHT DISTANCE FOR TURNING TRAFFIC AND SHALL NOT AFFECT SIGHT DISTANCES OF PROPERTY OWNERS ENTERING THE HIGHWAY. IF ADDITIONAL SIGNS ARE REQUIRED TO BETTER MARK OUT THE DETOUR, THESE ADDITIONAL SIGNS WILL BE CONSIDERED INCIDENTAL TO ITEM 641.1100 TRAFFIC CONTROL, ALL-INCLUSIVE.
4. PAYMENT FOR DETOUR SIGNING WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 641.1100 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
5. DETOUR, END DETOUR, DETOUR 1000 FT, AND DIRECTIONAL ARROW SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE. BRIDGE CLOSED SIGNS SHALL BE BLACK ON WHITE.
6. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED OFF THE EDGE OF THE ROADWAY, OUTSIDE THE CLEAR ZONE, BUT SHALL BE VISIBLE FROM THE ROADWAY. ANY VEGETATION THAT INTERFERES WITH VISIBILITY OF THE PCMS SHALL BE REMOVED. REMOVAL OF THE VEGETATION WILL BE CONSIDERED INCIDENTAL TO ITEM 641.1500, "PORTABLE CHANGEABLE MESSAGE SIGN."
7. ALL SIGNS SHALL MEET CURRENT STANDARDS OF MUTCD.

**PCMS**  
MESSAGE FOR PORTABLE  
CHANGEABLE MESSAGE SIGNS

MESSAGE 1	MESSAGE 2
ROUTE 5	DATE
BRIDGE	**THRU**
CLOSED	DATE



PROJECT NAME:	BRADFORD	FILE NAME:	z22b388BDR_detour.dgn	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	PROJECT LEADER:	\$NAME1\$	DRAWN BY:	C. NADLER
		DESIGNED BY:	C. NADLER	CHECKED BY:	K. MORRISON
		DETOUR LAYOUT		SHEET	27 OF 43



VT STATE PLANE GRID

N

BRG. ABUT. 1  
STA. 206+92.17  
F.G. 419.14

BRG. ABUT. 1  
(FIXED)

51+00

BRG. ABUT. 2  
(EXP.)

TEMPORARY PEDESTRIAN  
BRIDGE ALIGNMENT

TEMPORARY SUPPORT  
OF EXCAVATION

BEGIN BRIDGE  
STA. 206+91.17  
F.G. 419.11

TEMPORARY SUPPORT  
OF EXCAVATION (TYP)

501+00

502+00

503+00

500+00

US ROUTE 5  
TO FAIRLEE

90°00'00" TO CONST.  
CHORD (TYP.)

FACE OF BRIDGE RAIL

FACE OF SIDEWALK

CONST. CHORD

FACE OF BRIDGE RAIL

208+00

US ROUTE 5  
TO NEWBURY

206+00

207+00

LOW STEEL  
STA: 206+92.08  
OFFSET: 14.00' RT

MAINLINE STA. 207+36.31  
= CHANNEL STA. 51+49.58  
 $\Delta = 88^\circ 12' 58''$  TO TANGENT

PLAN  
SCALE: 1" = 10'-0"

END BRIDGE  
STA. 207+78.17  
F.G. 421.72

BRG. ABUT. 2  
STA. 207+77.17  
F.G. 421.69

STONE FILL, TYPE IV

BRG. ABUT. 1  
(FIXED)

BRG. ABUT. 2  
(EXP.)

84'-11" ALONG CHORD

PAY LIMITS FOR BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION

PAY LIMITS FOR GUARDRAIL APPROACH  
SECTION TO CONCRETE COMBINATION  
BRIDGE RAILING, TL-3 (TYP.)

420

410

400

390

380

STONE FILL, TYPE IV  
4'-0" THICK

LOW STEEL  
EL. 413.53

FACE OF EXISTING BUILDING

EXPOSED BEDROCK

422

420

410

400

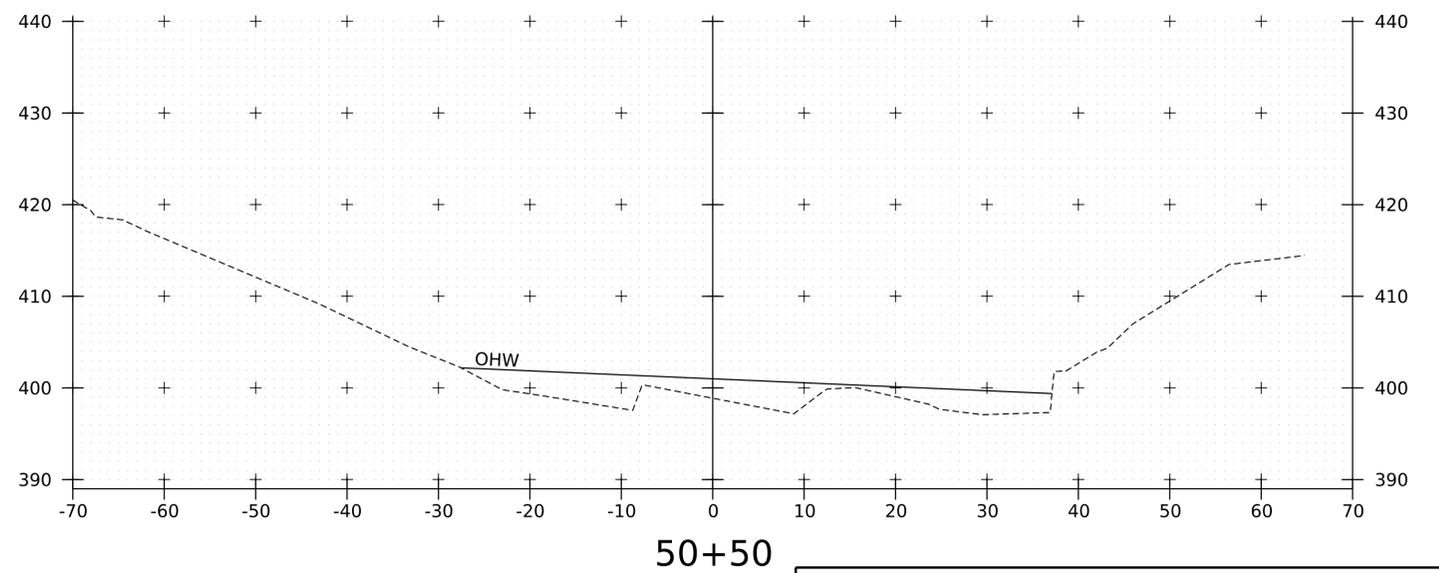
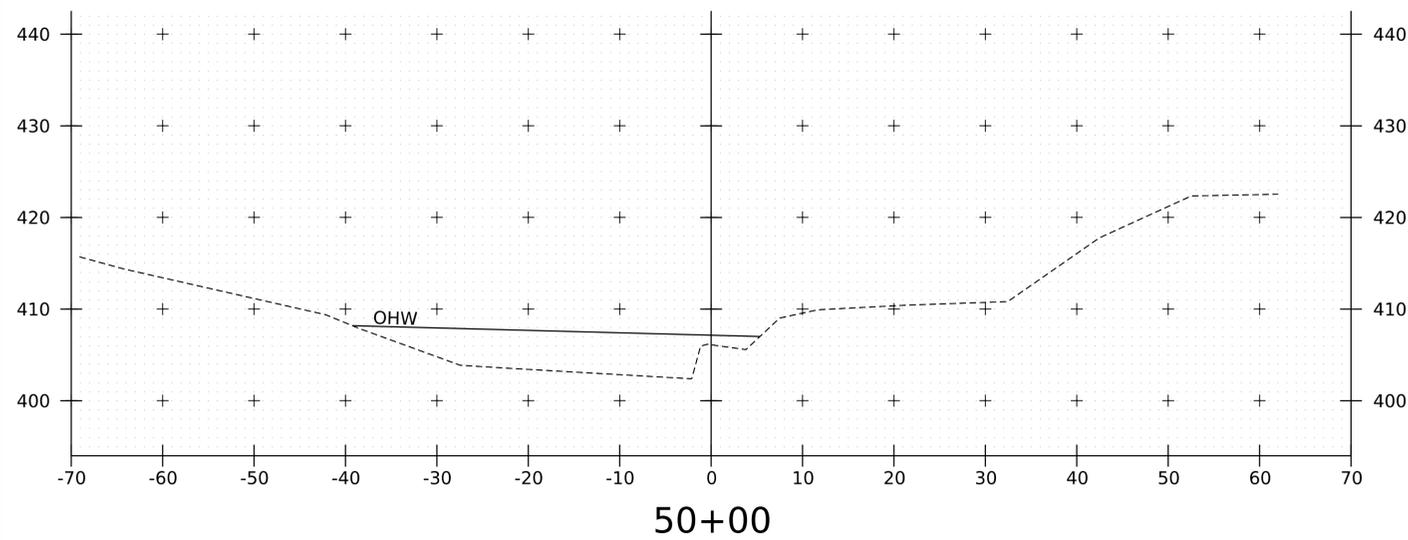
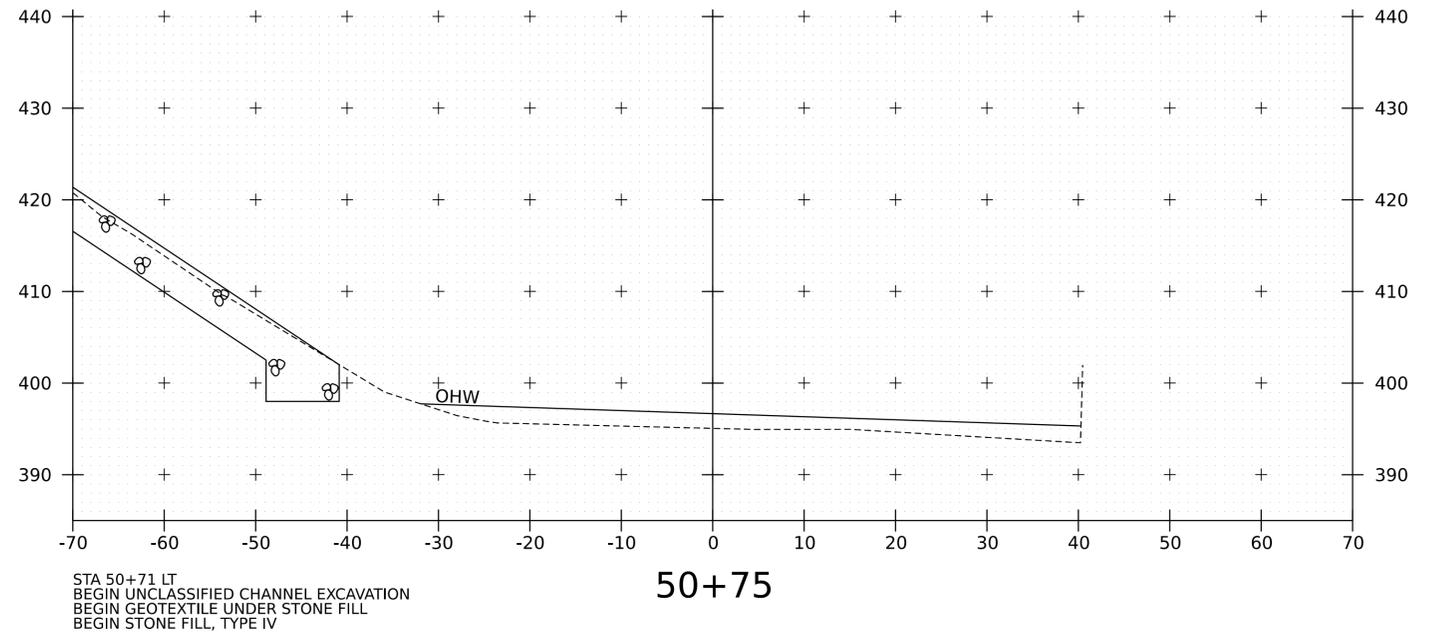
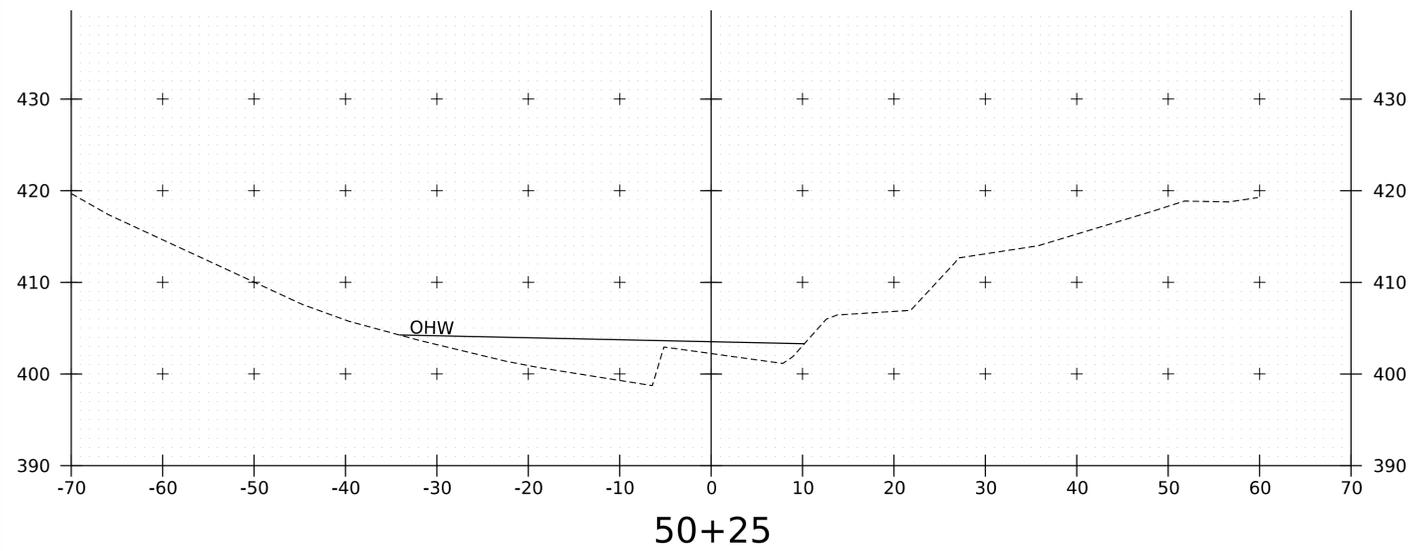
ELEVATION  
SCALE: 1" = 10'-0"



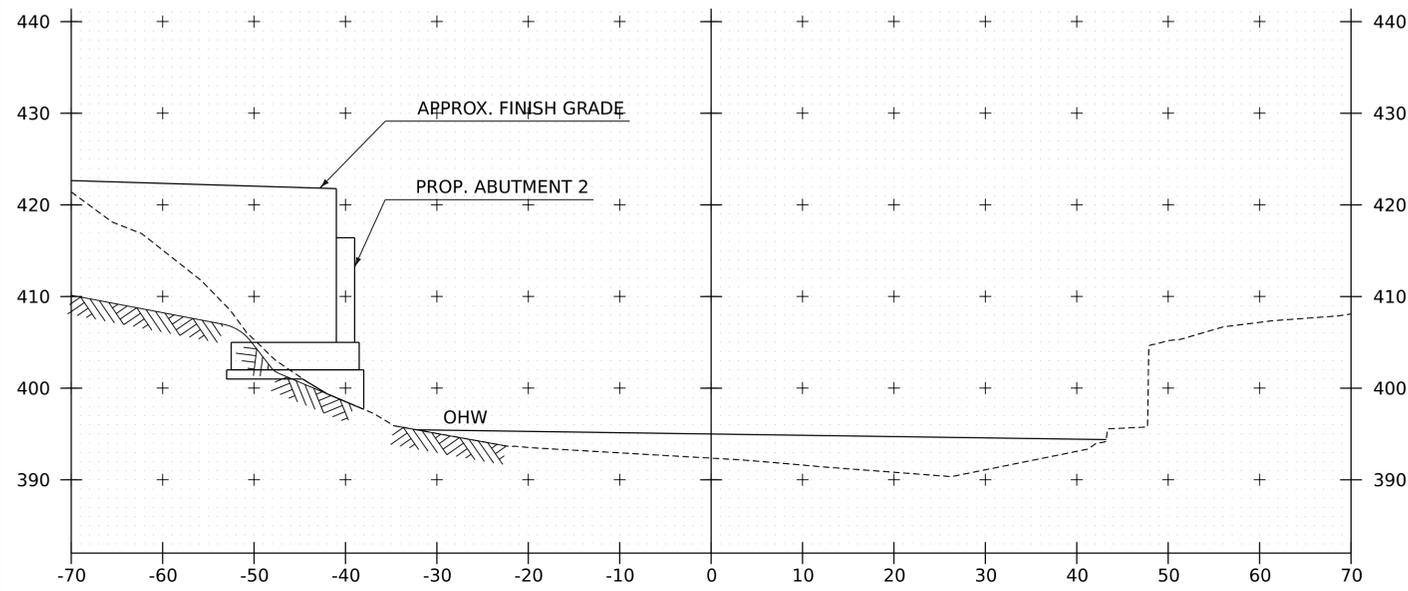
PROJECT NAME: BRADFORD  
PROJECT NUMBER: BF 0113(89)

FILE NAME: z22b388pe  
PROJECT LEADER: T.FRENCH  
DESIGNED BY: P.LEFEBVRE  
BRIDGE PLAN AND ELEVATION SHEET

PLOT DATE: 22-SEP-2025  
DRAWN BY: P. LEFEBVRE  
CHECKED BY: S. BOYINGTON  
SHEET 28 OF 43

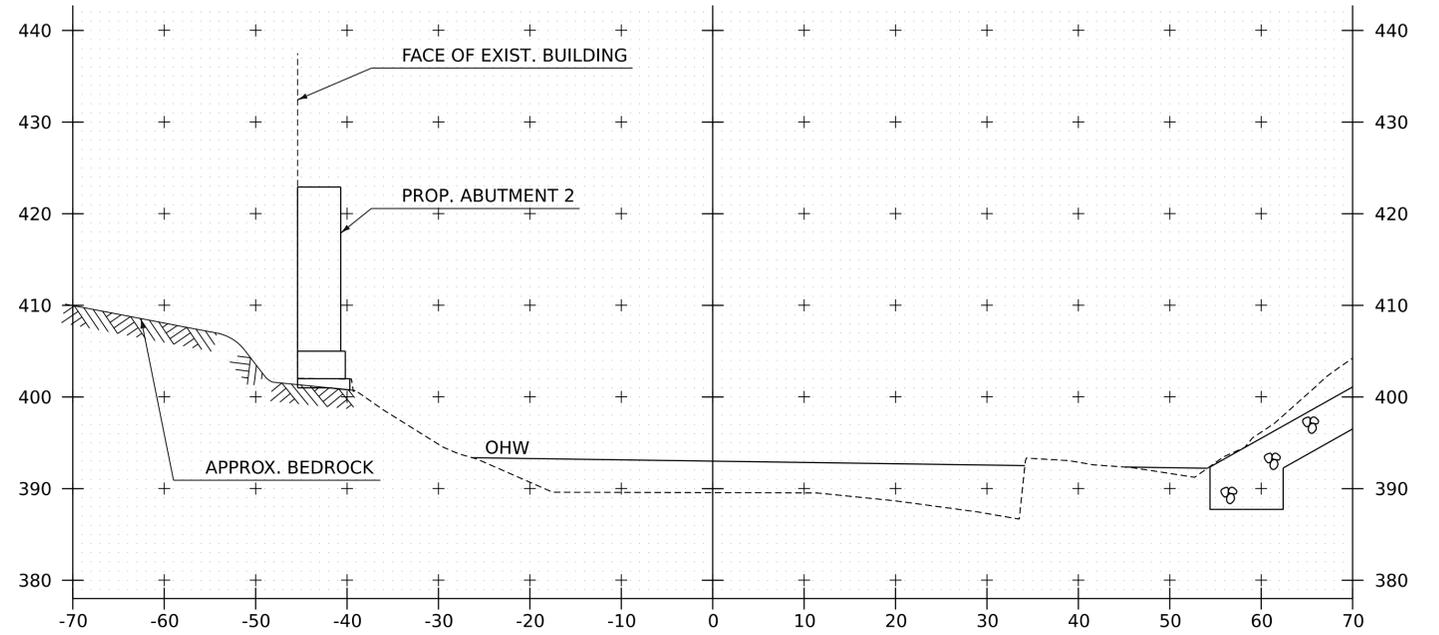


PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	P. LEFEBVRE
FILE NAME:	z22b388xs_channel	CHECKED BY:	S. BOYINGTON
PROJECT LEADER:	T. FRENCH	SHEET	29 OF 43
DESIGNED BY:	P. LEFEBVRE	CHANNEL CROSS SECTIONS SHEET 1 OF 4	



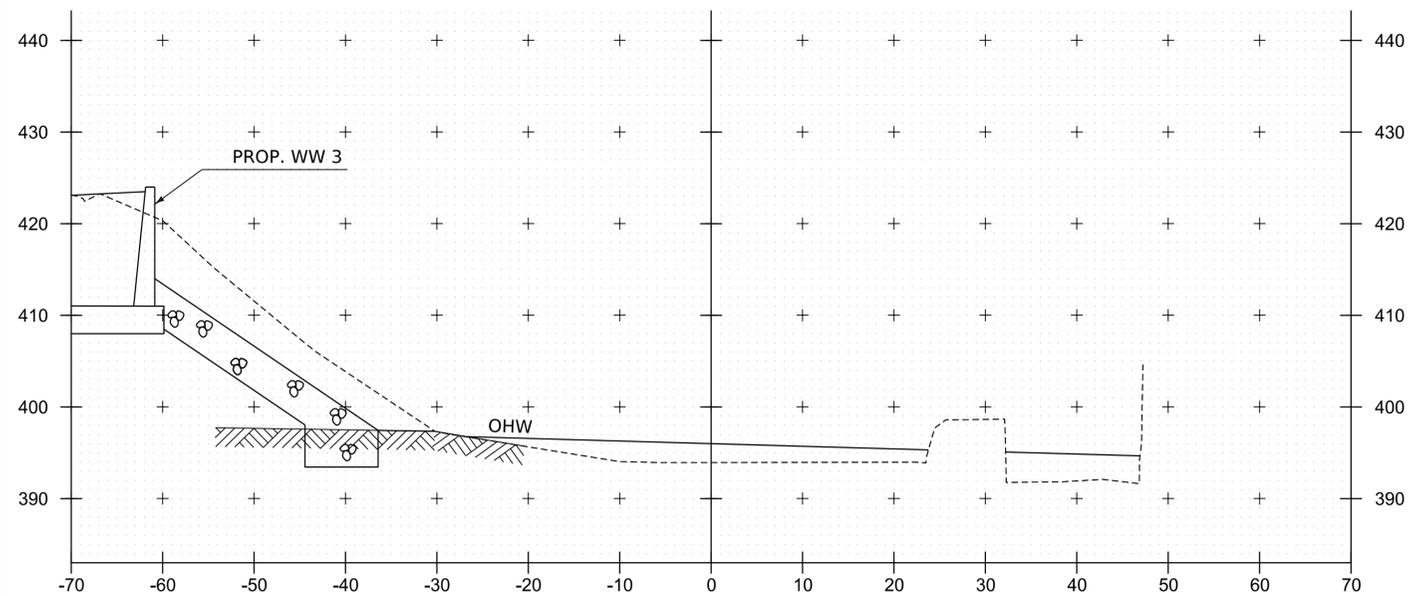
STA 51+15 LT  
 END UNCLASSIFIED CHANNEL EXCAVATION  
 END GEOTEXTILE UNDER STONE FILL  
 END STONE FILL, TYPE IV

51+25

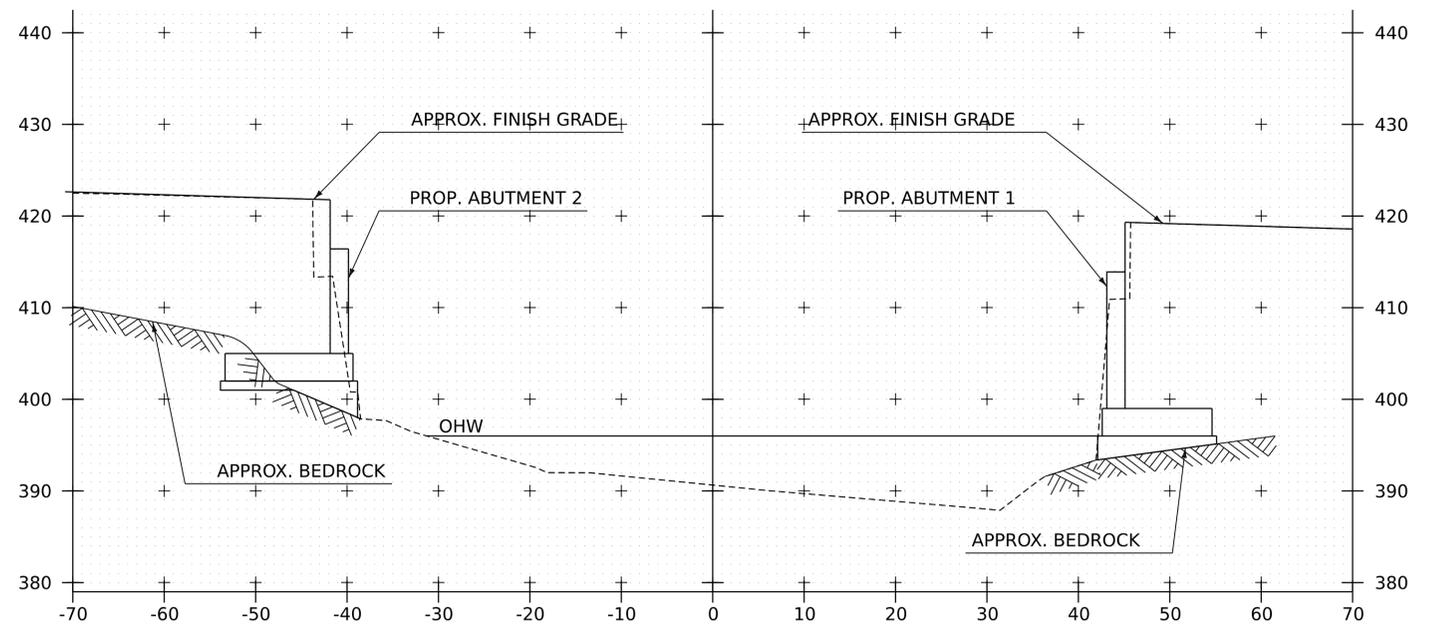


STA 51+71 RT  
 BEGIN UNCLASSIFIED CHANNEL EXCAVATION  
 BEGIN GEOTEXTILE UNDER STONE FILL  
 BEGIN STONE FILL, TYPE IV

51+75



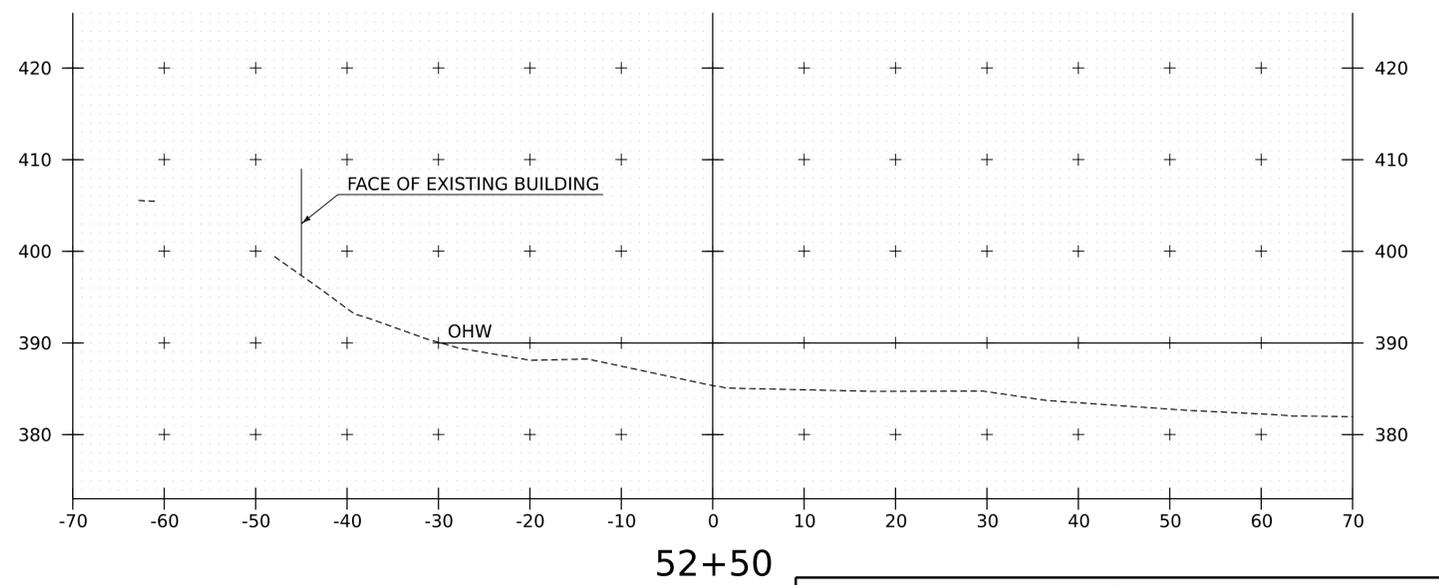
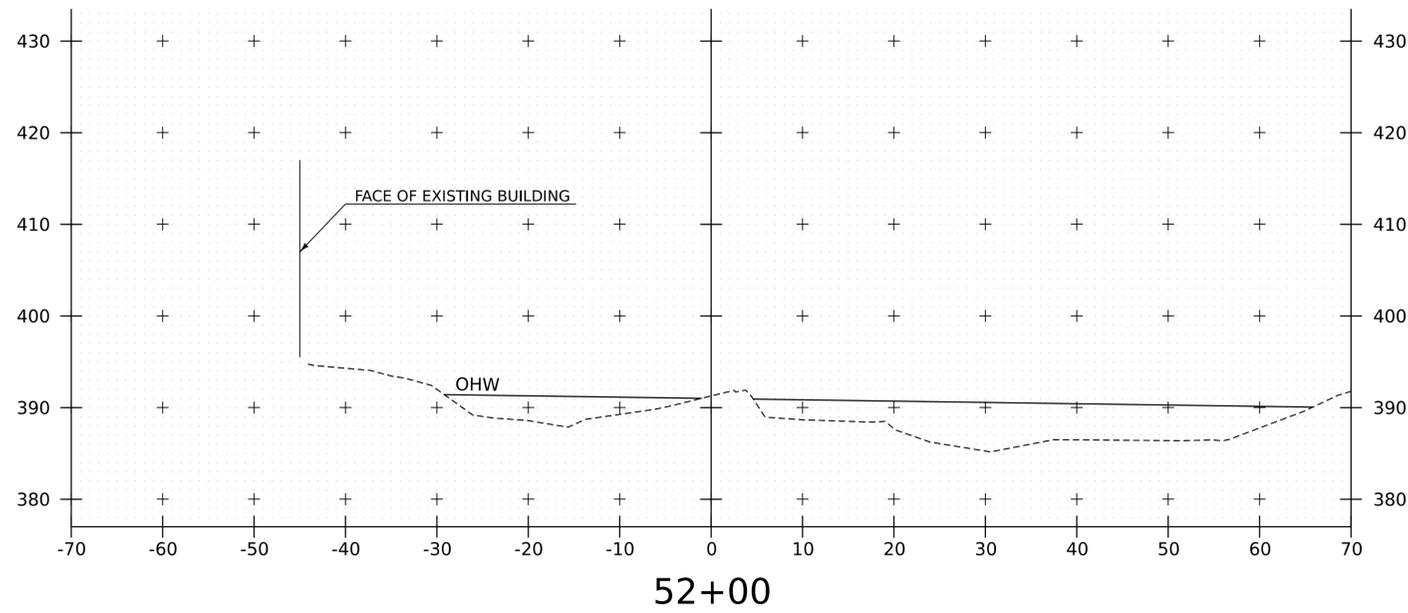
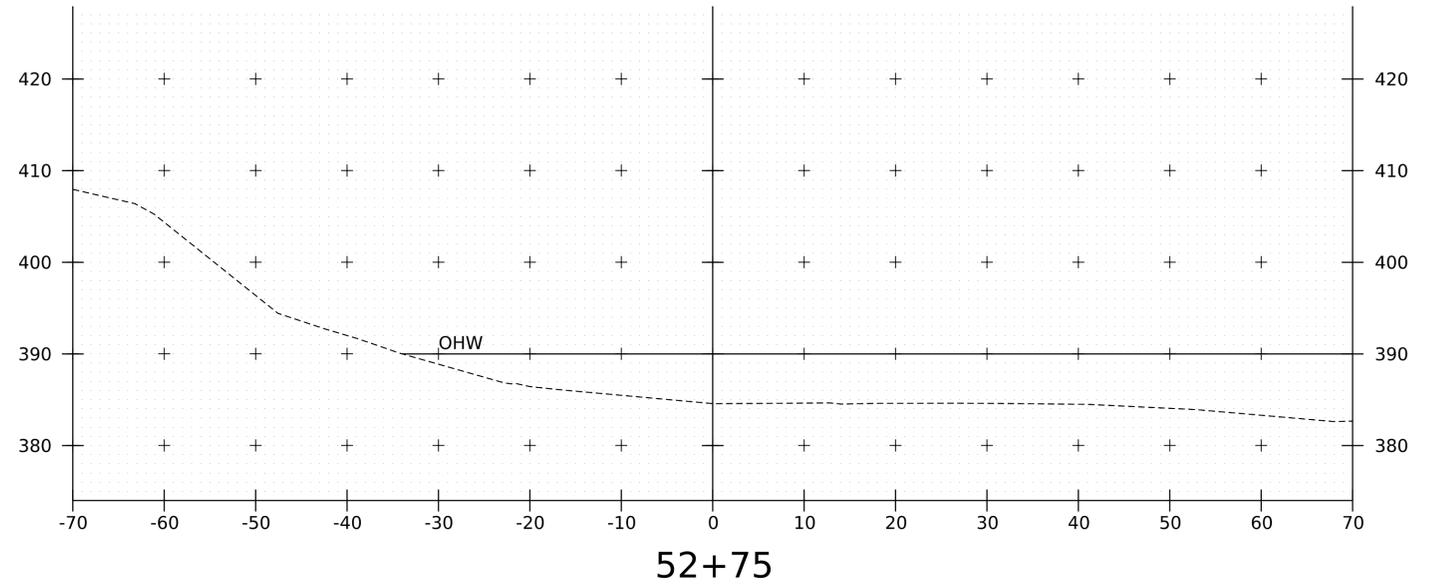
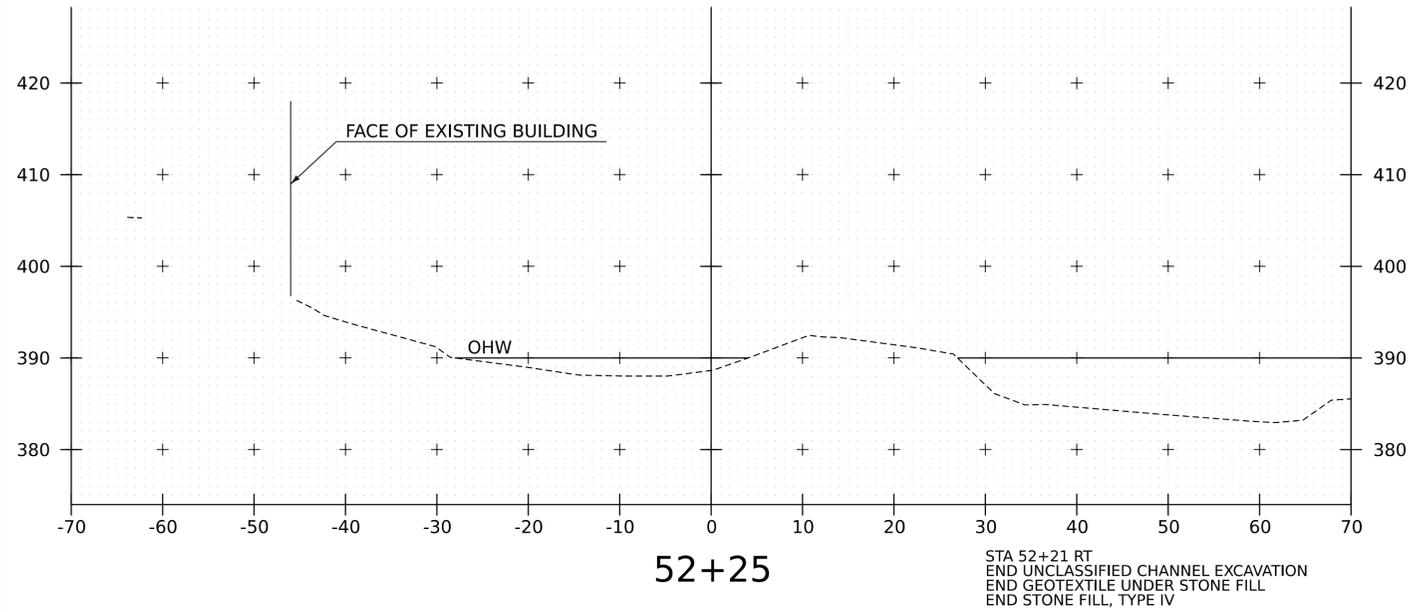
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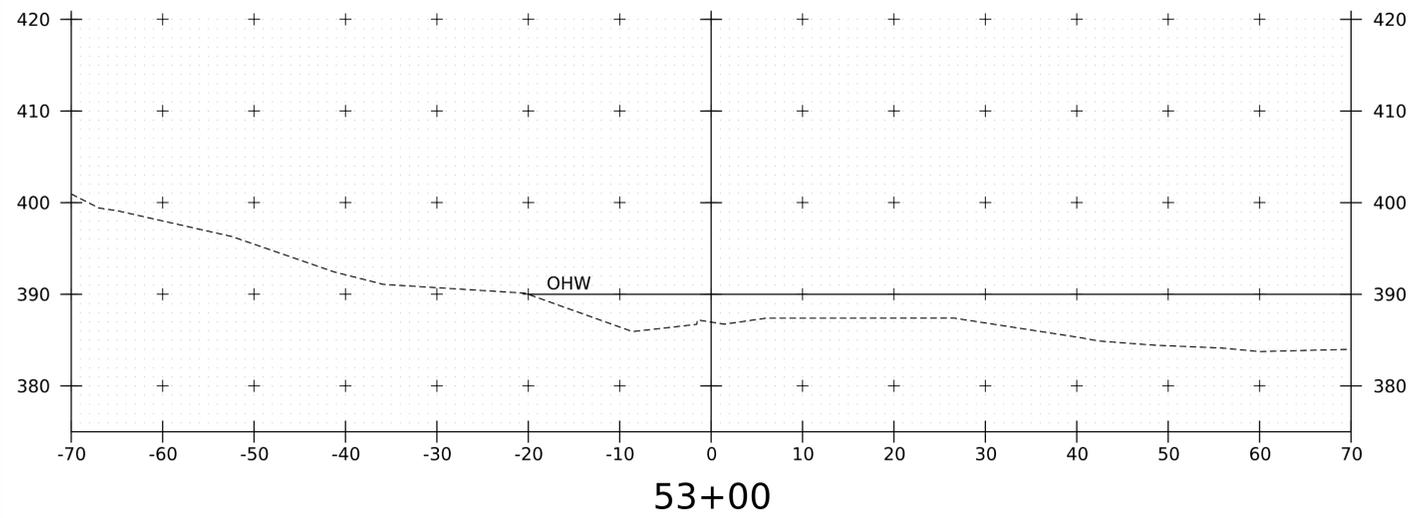
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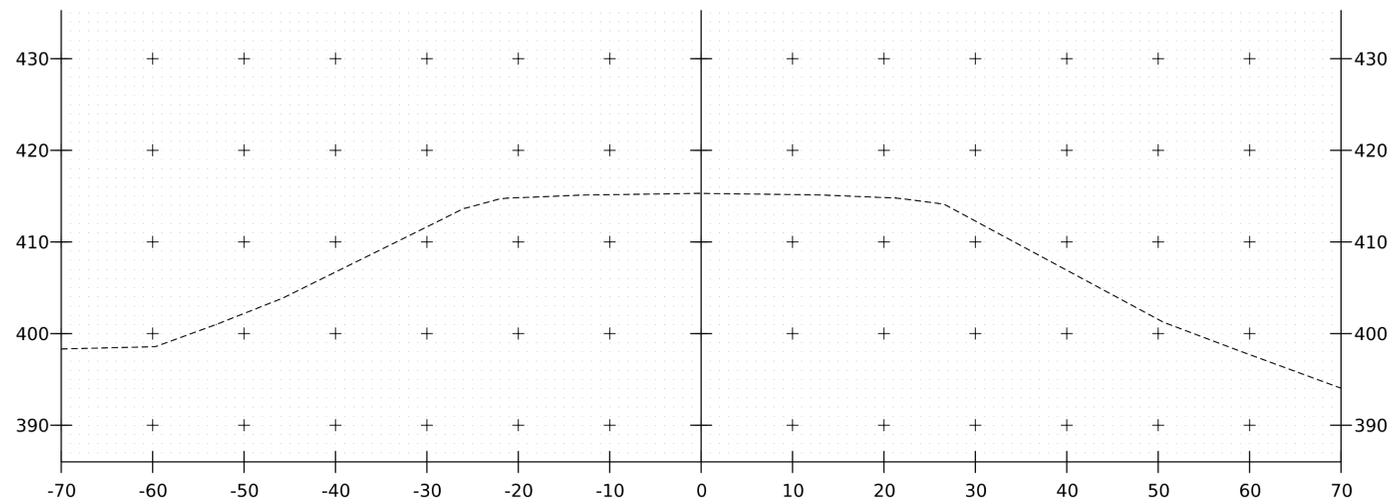
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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	P. LEFEBVRE
FILE NAME:	z22b388xs_channel	DESIGNED BY:	P. LEFEBVRE
PROJECT LEADER:	T. FRENCH	CHECKED BY:	S. BOYINGTON
CHANNEL CROSS SECTIONS SHEET 2 OF 4		SHEET	30 OF 43



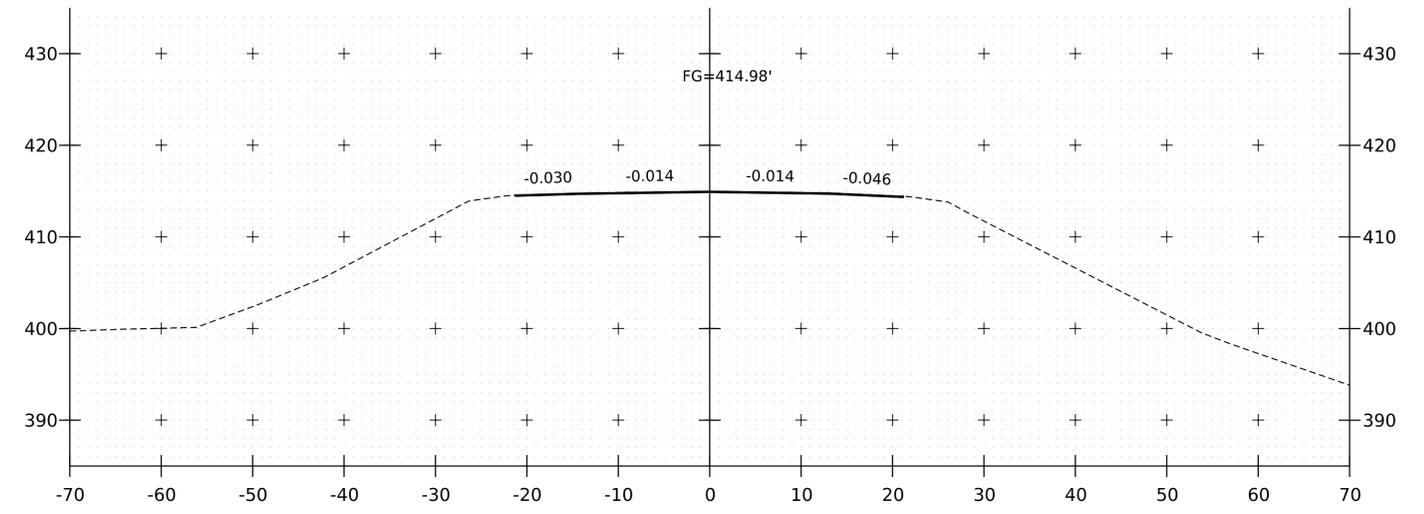
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FILE NAME:	z22b388xs_channel	CHECKED BY:	S. BOYINGTON
PROJECT LEADER:	T. FRENCH	SHEET	31 OF 43
DESIGNED BY:	P. LEFEBVRE	CHANNEL CROSS SECTIONS SHEET	3 OF 4



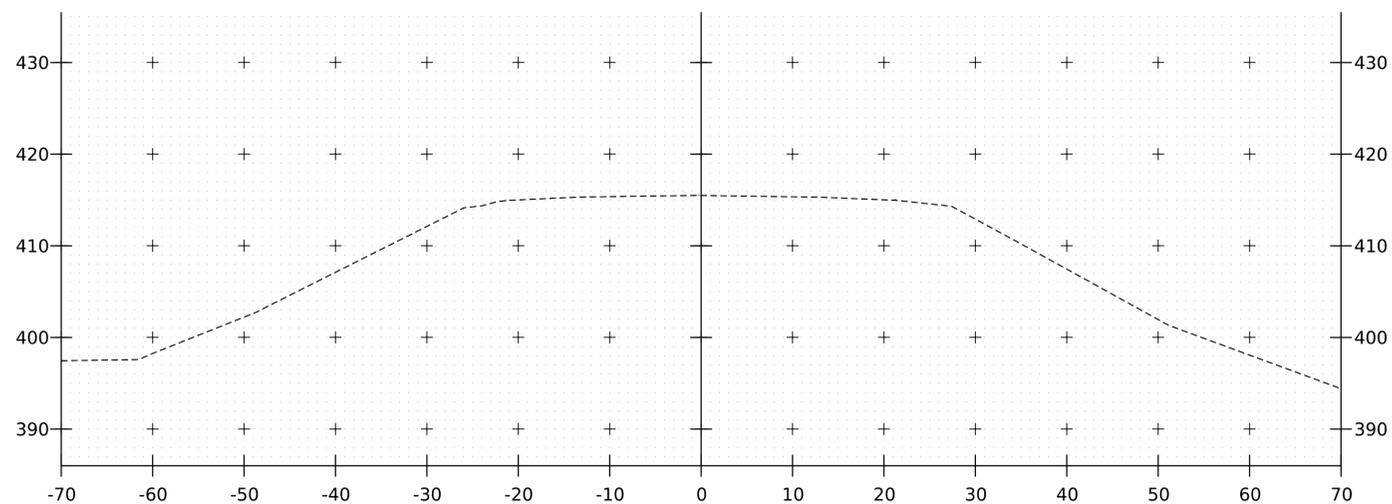
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FILE NAME:	z22b388xs_channel	CHECKED BY:	S. BOYINGTON
PROJECT LEADER:	T. FRENCH	CHANNEL CROSS SECTIONS SHEET	4 OF 4
DESIGNED BY:	P. LEFEBVRE	SHEET	32 OF 43



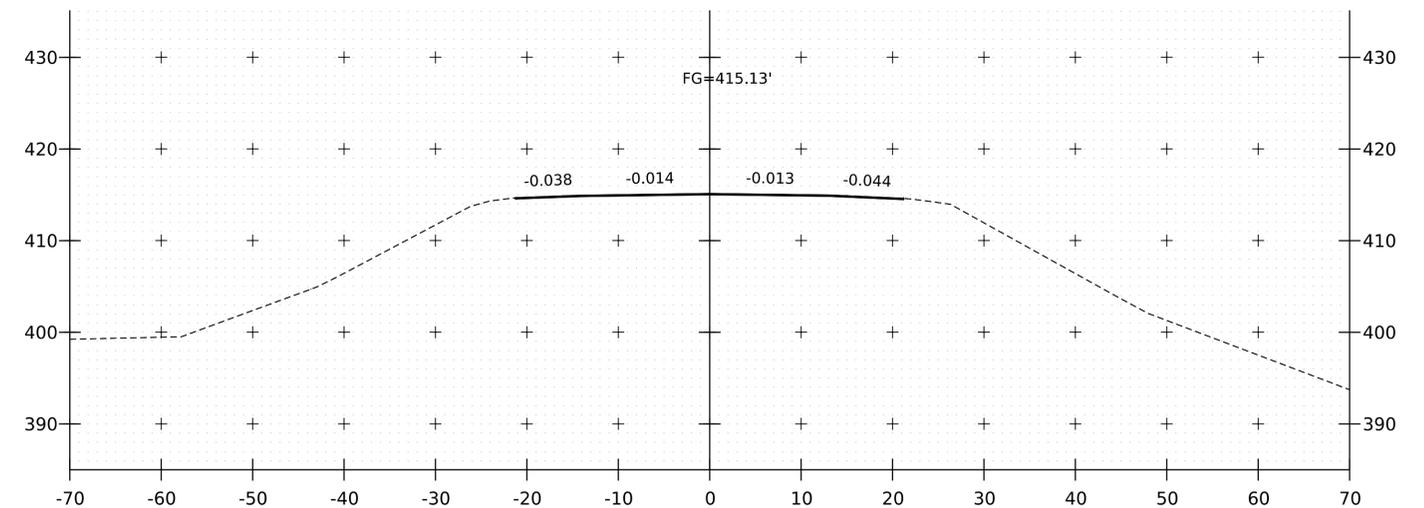
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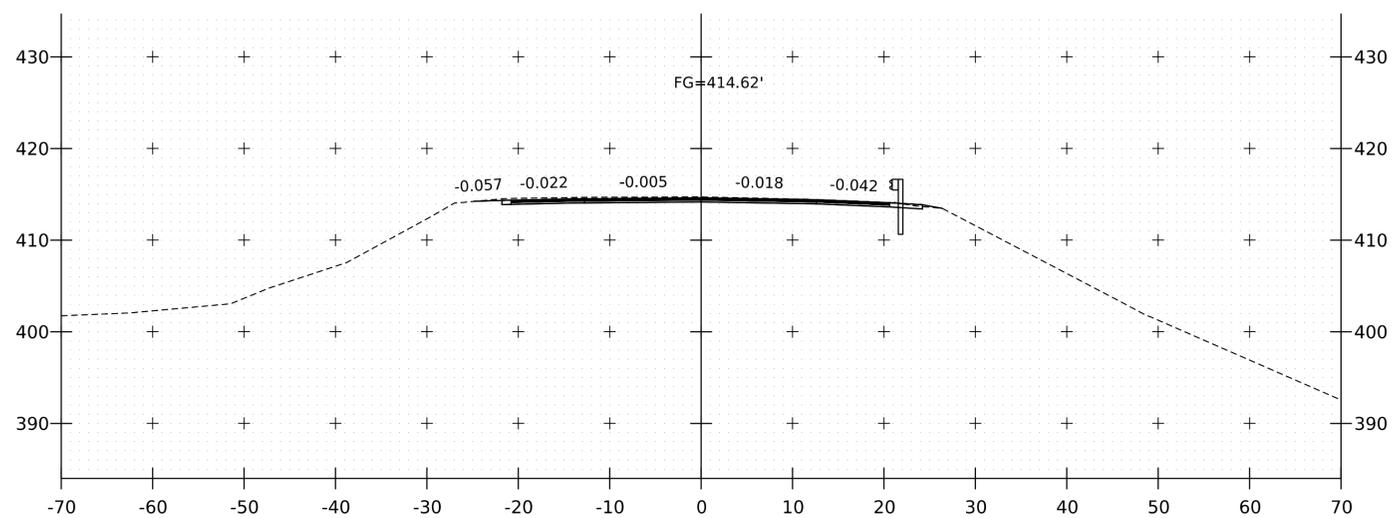
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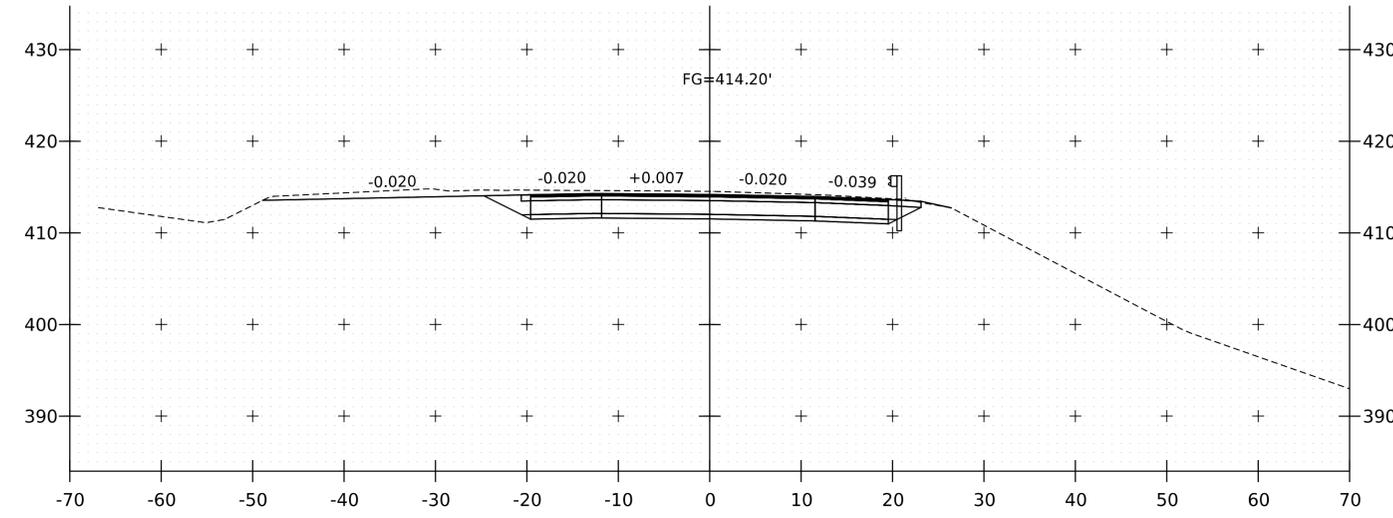
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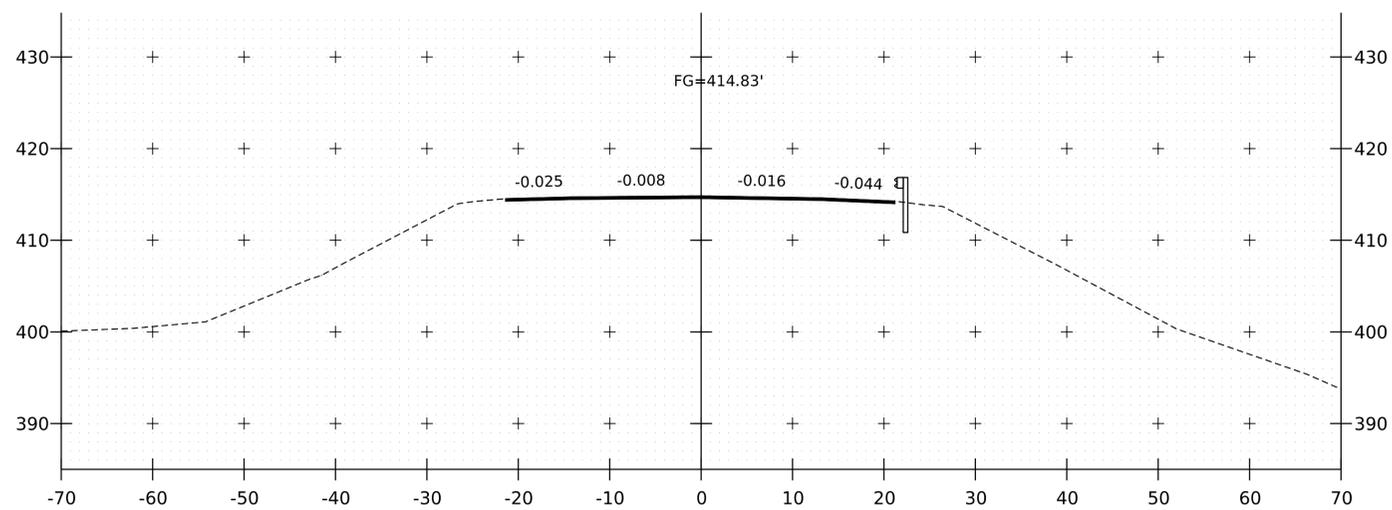
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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	33 OF 43
DESIGNED BY:	H. BROWN		
US ROUTE 5 CROSS SECTIONS SHEET 1			



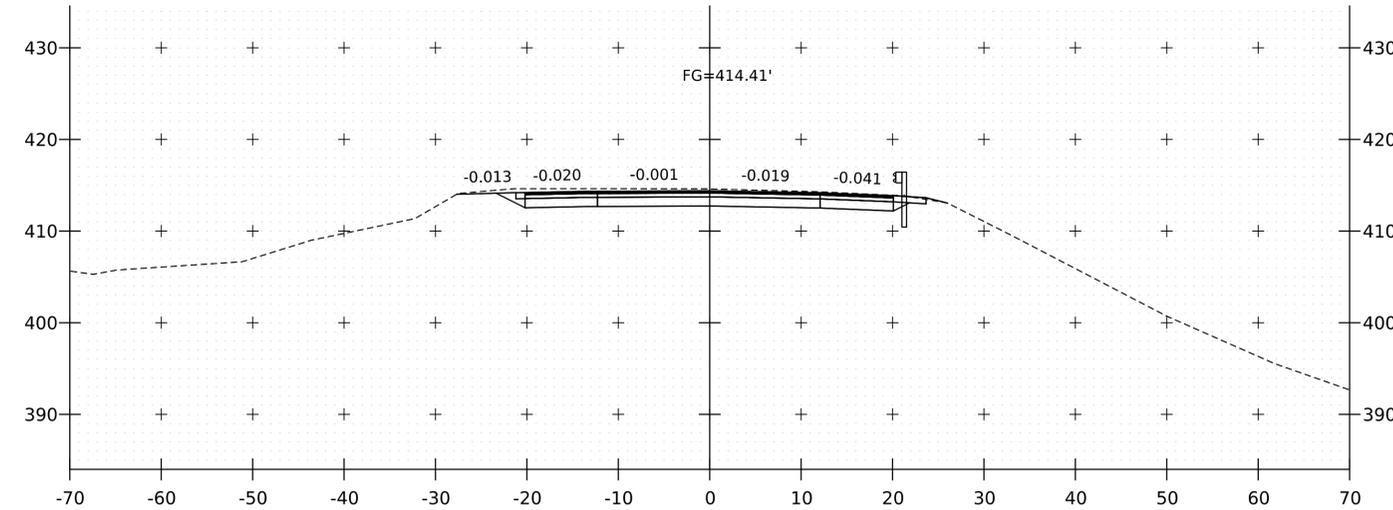
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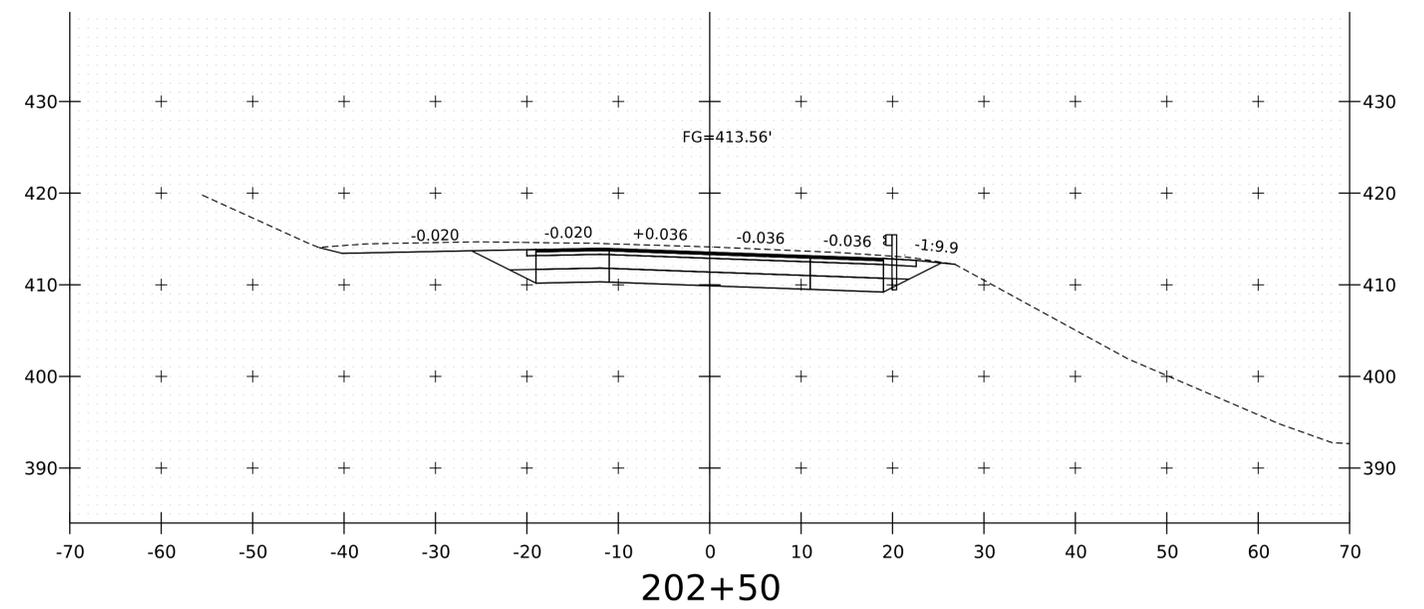
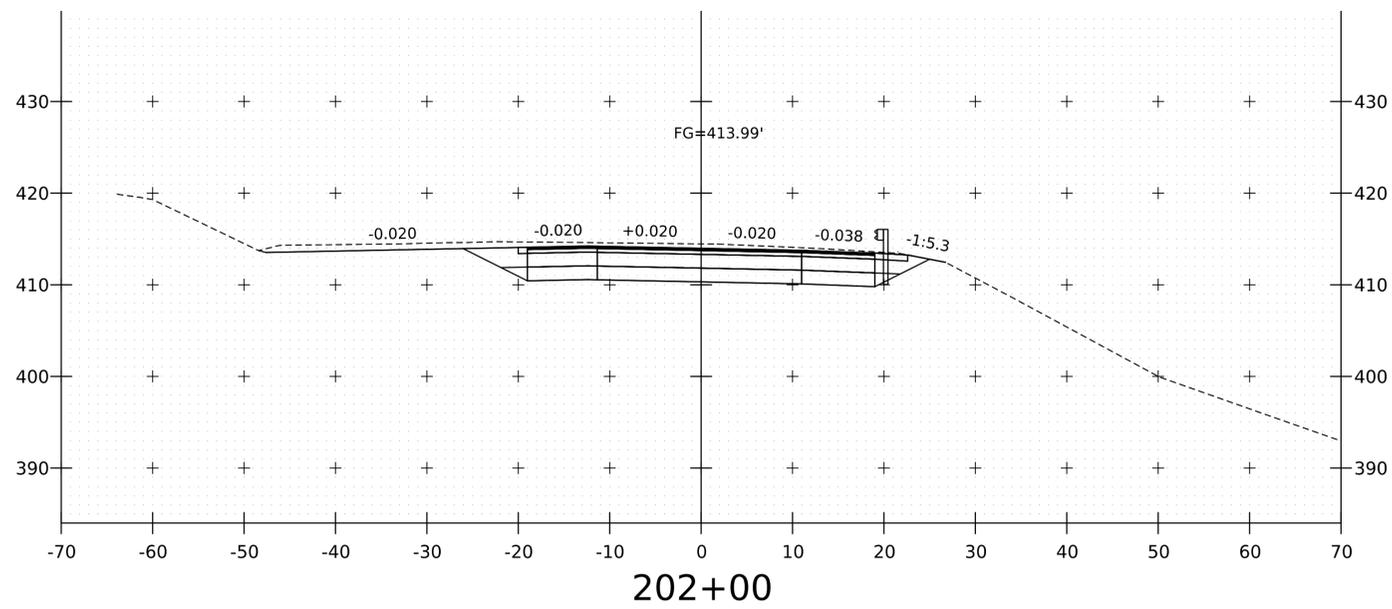
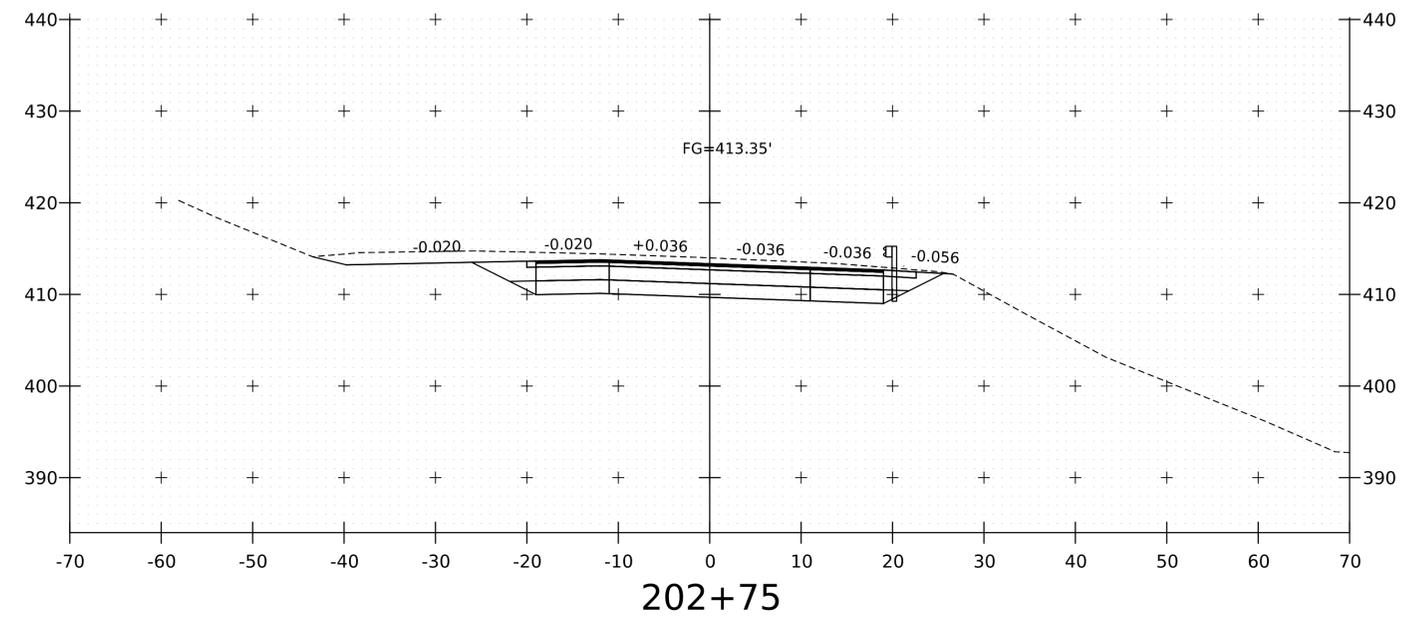
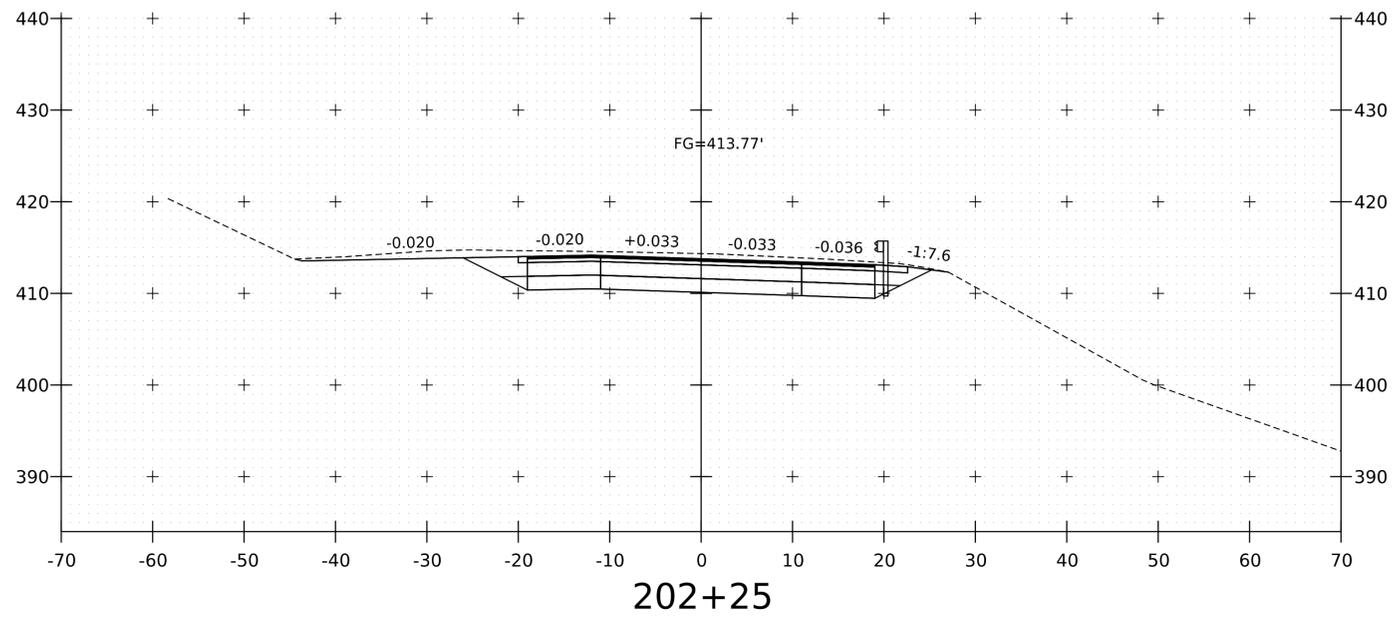
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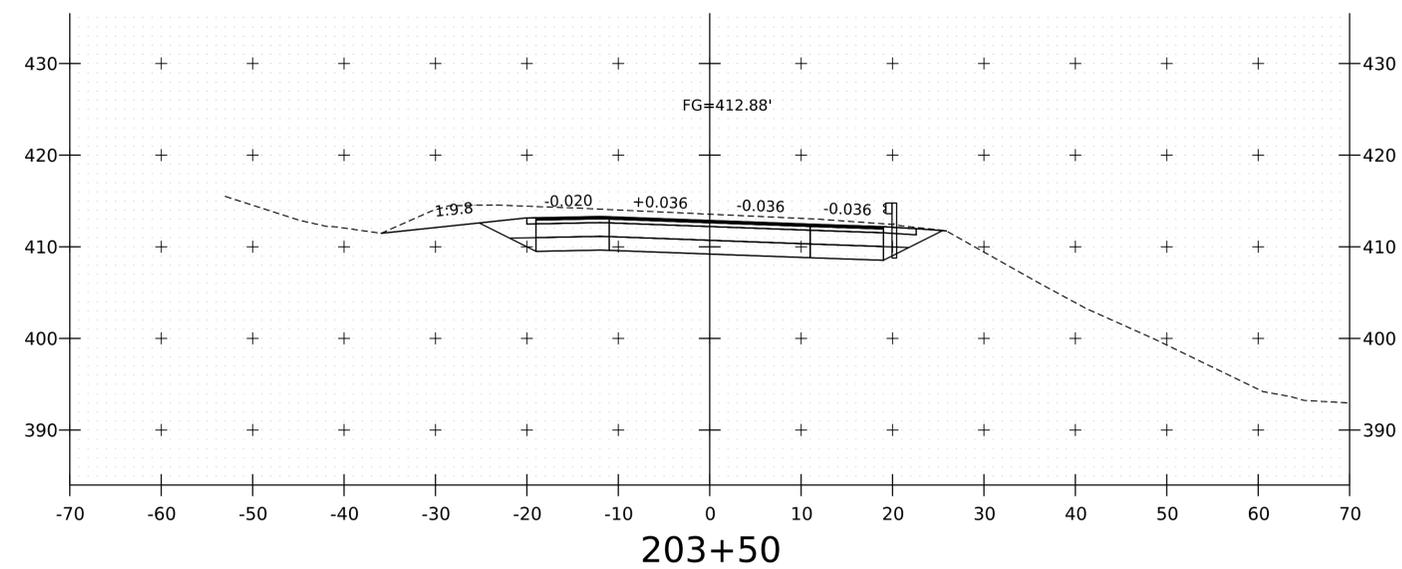
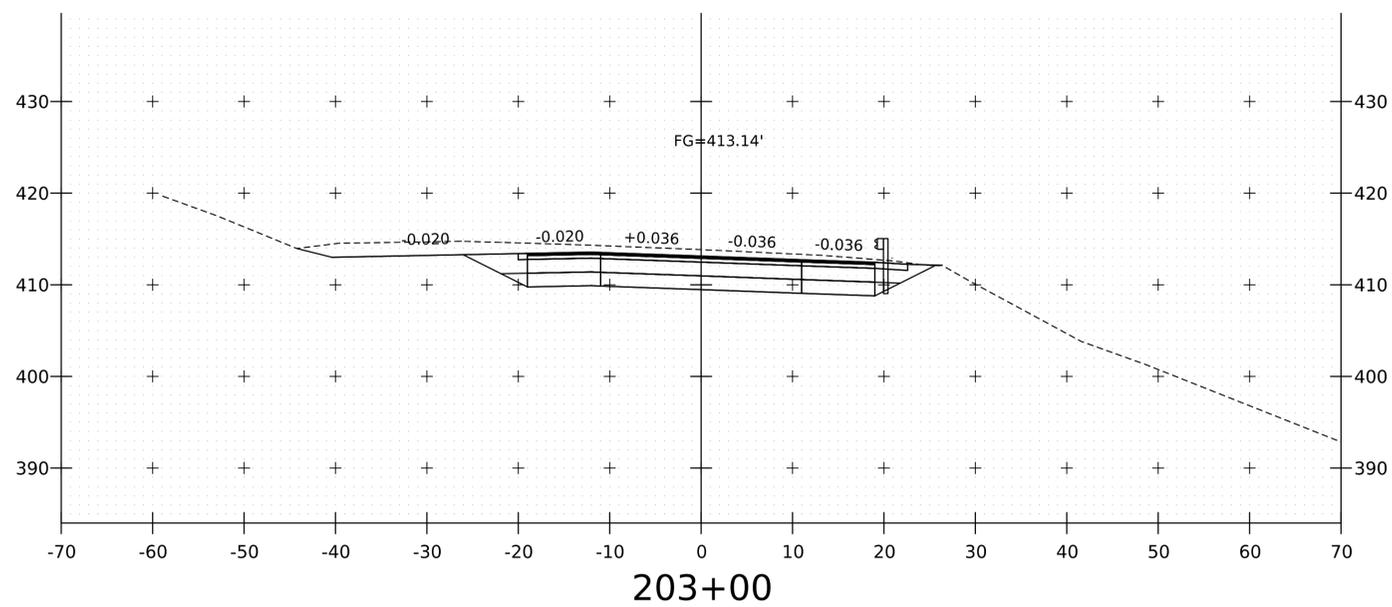
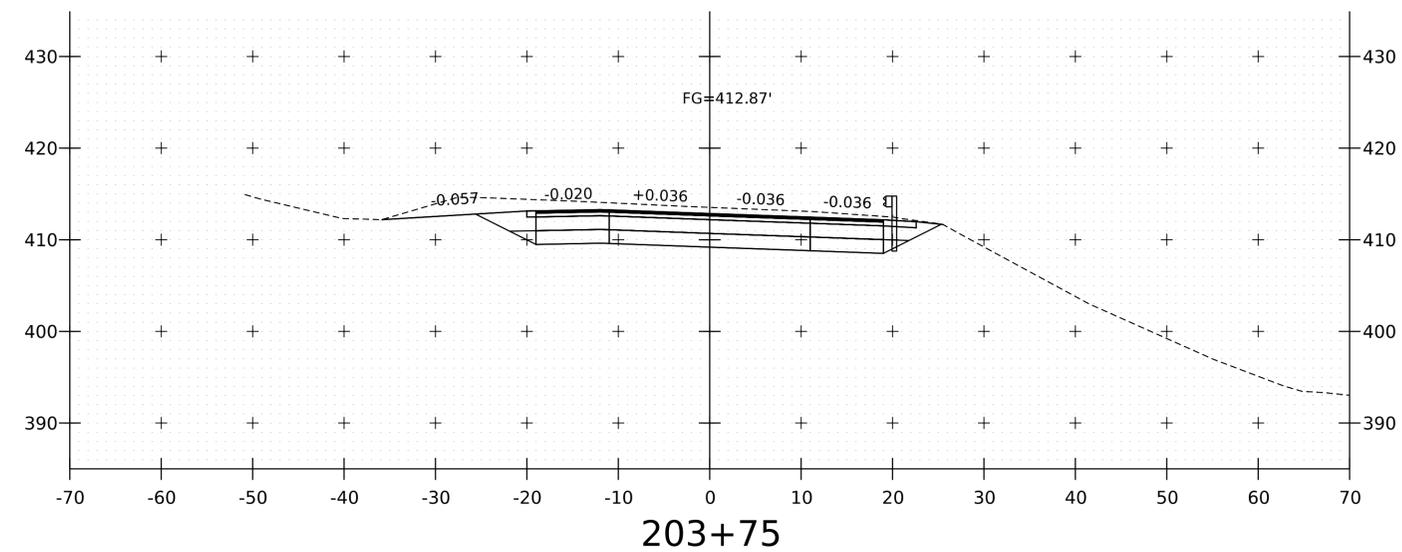
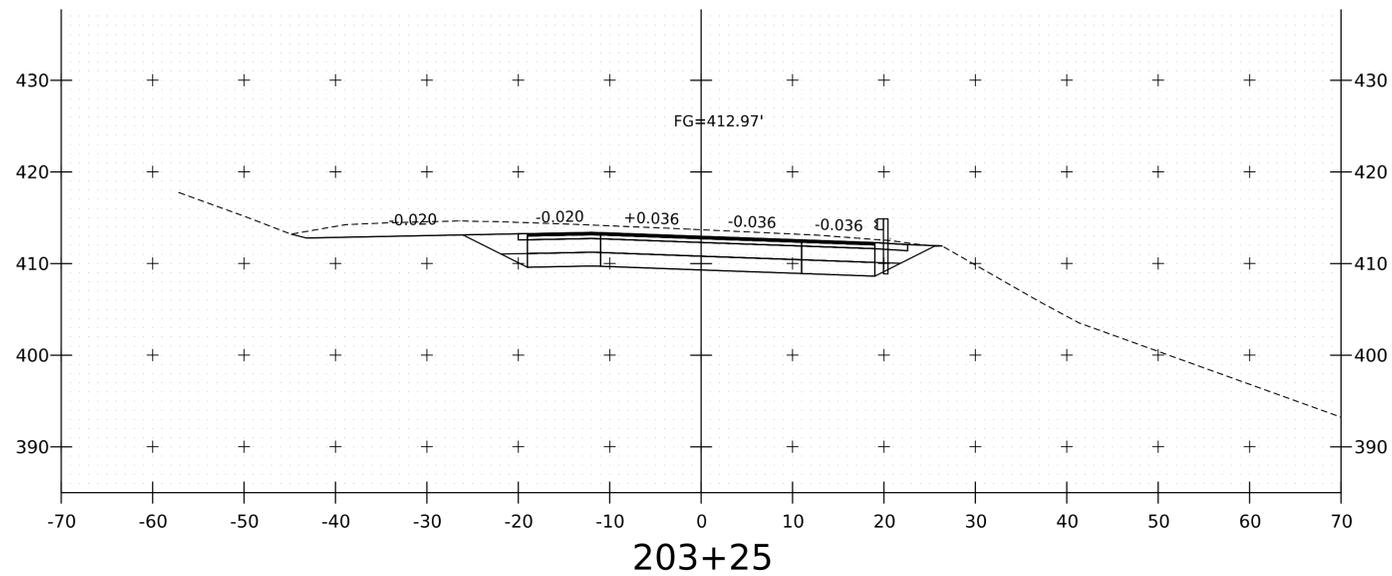
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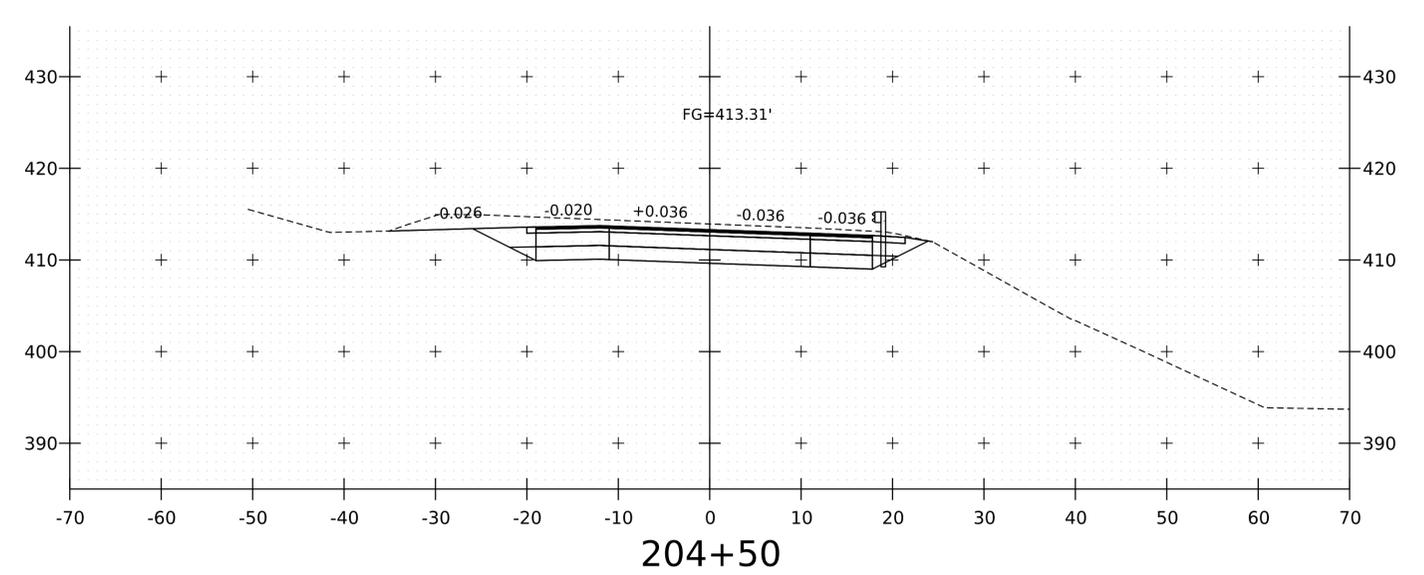
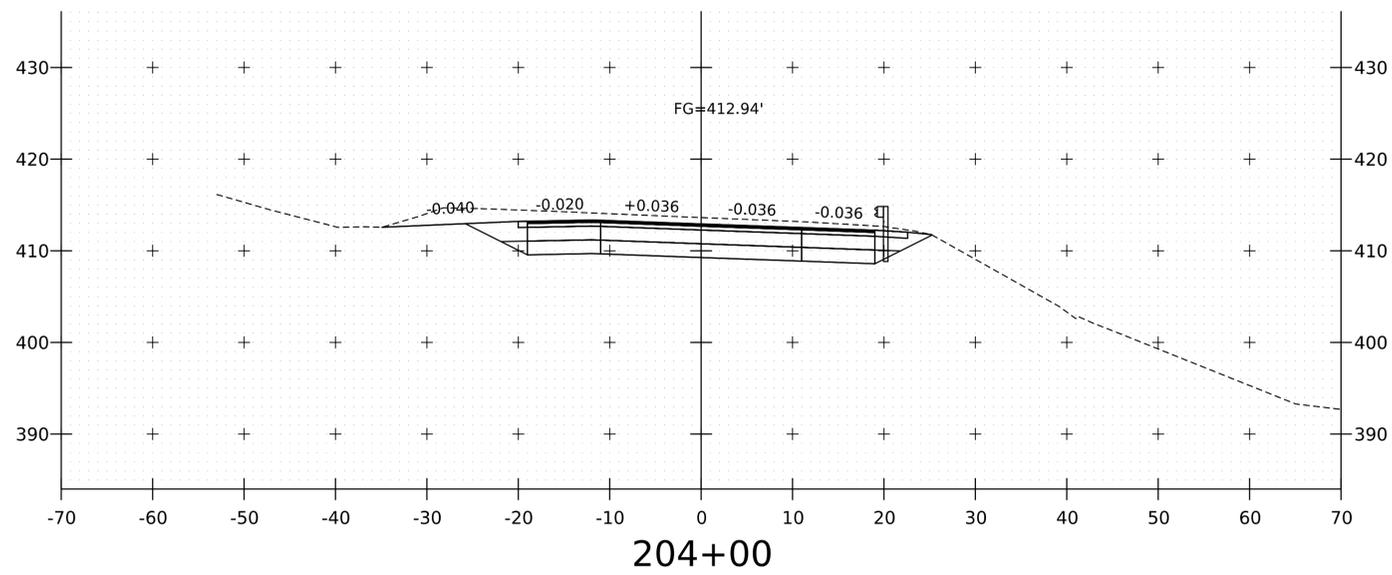
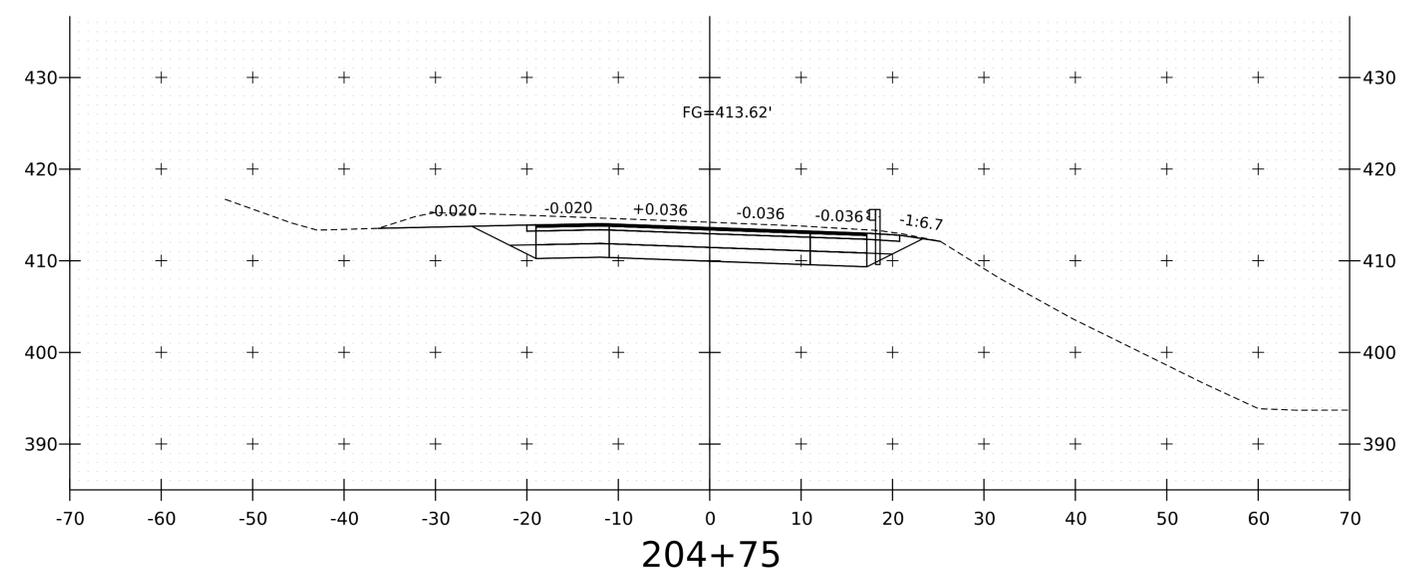
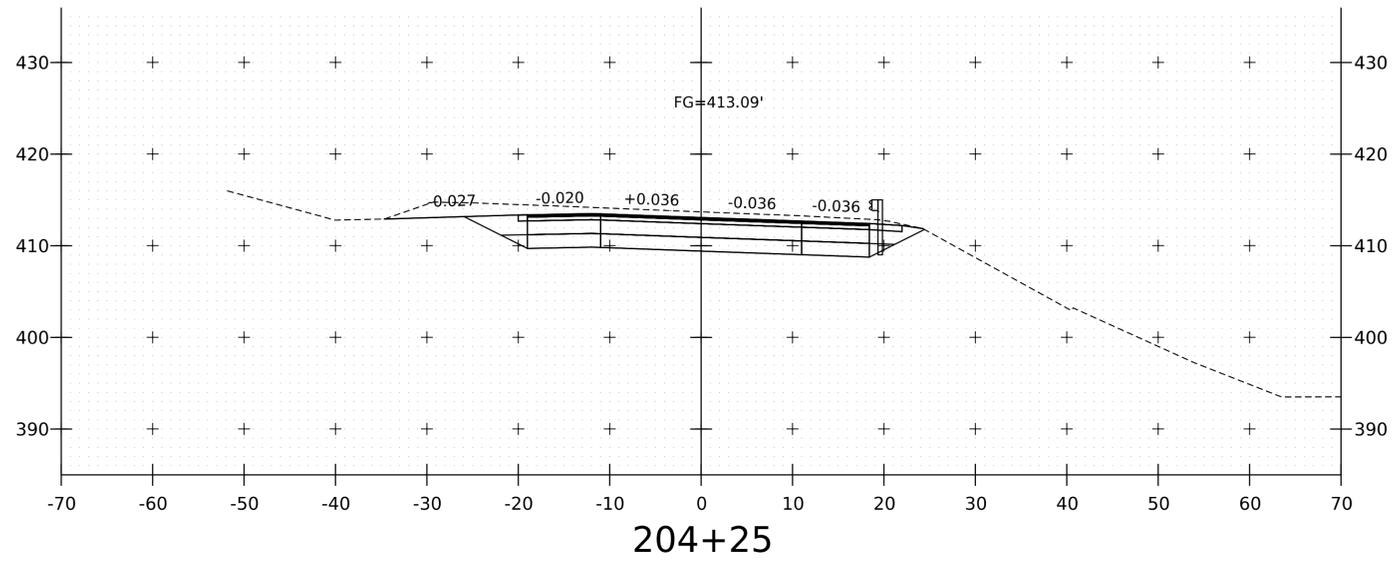
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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	34 OF 43
DESIGNED BY:	H. BROWN		
US ROUTE 5 CROSS SECTIONS SHEET 2			



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	35 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 CROSS SECTIONS SHEET 3	

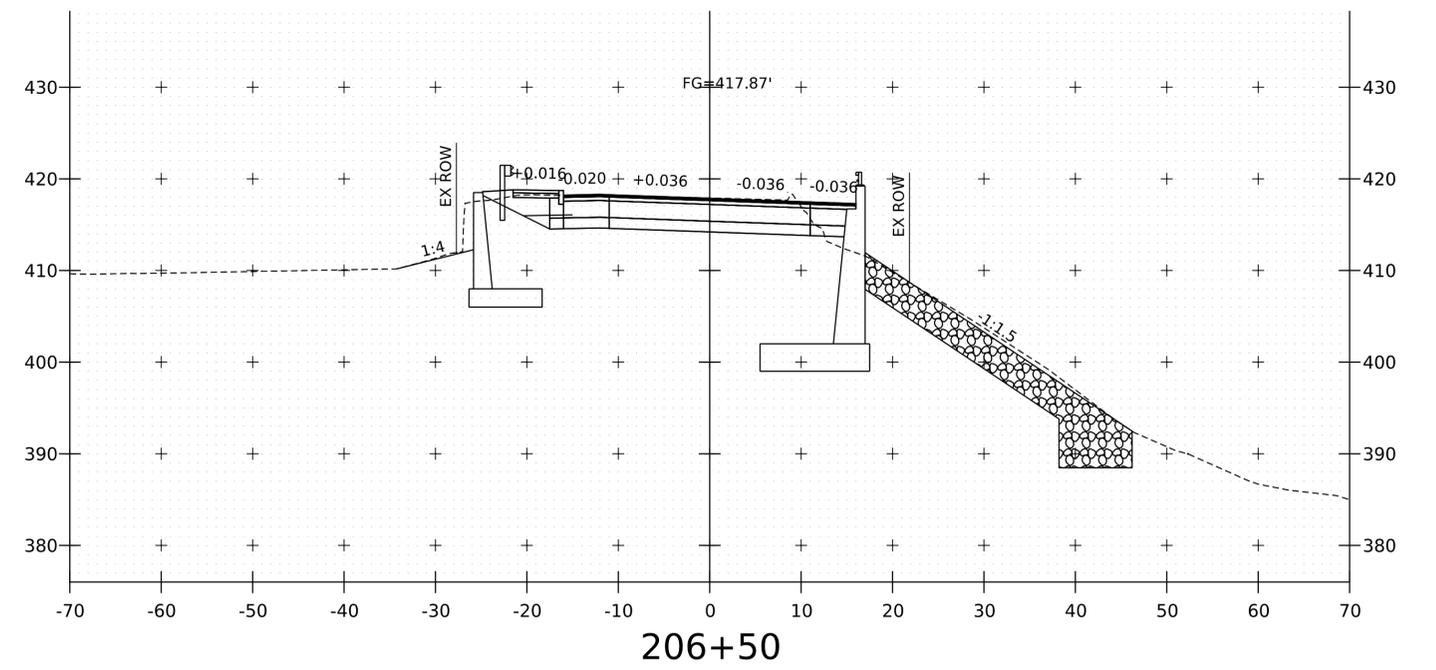
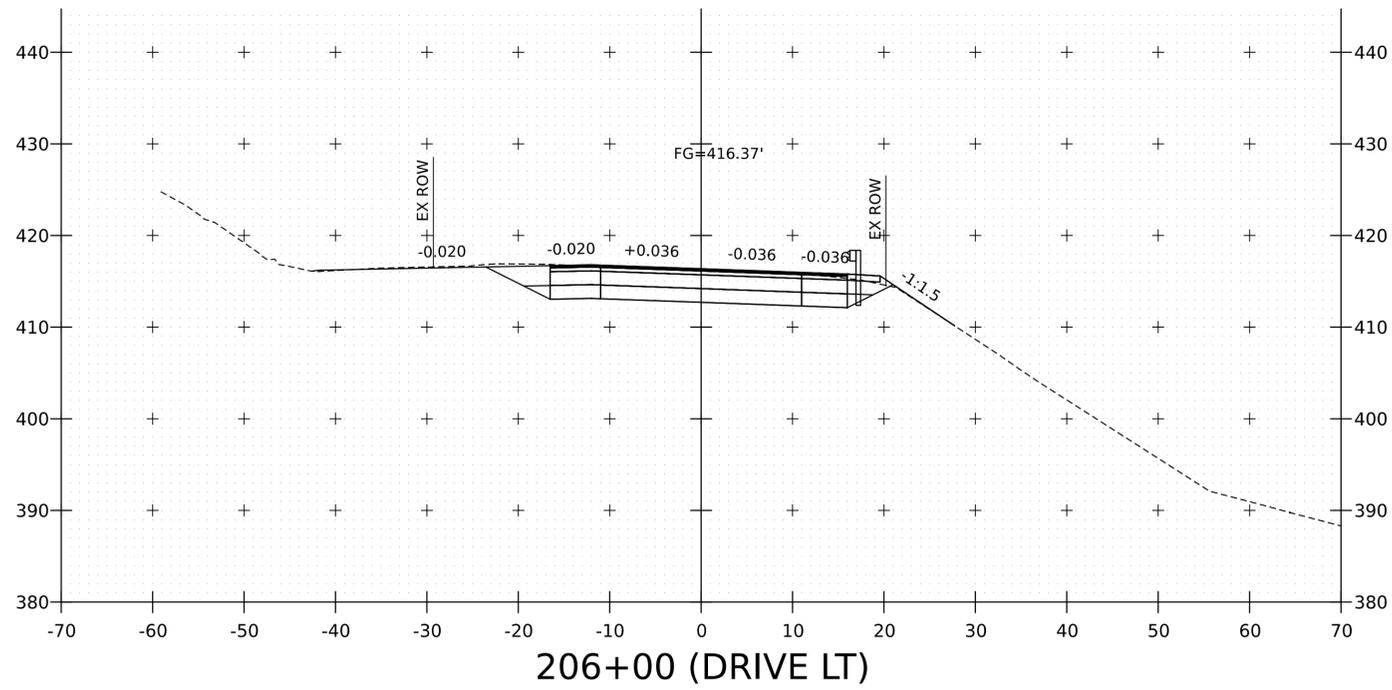
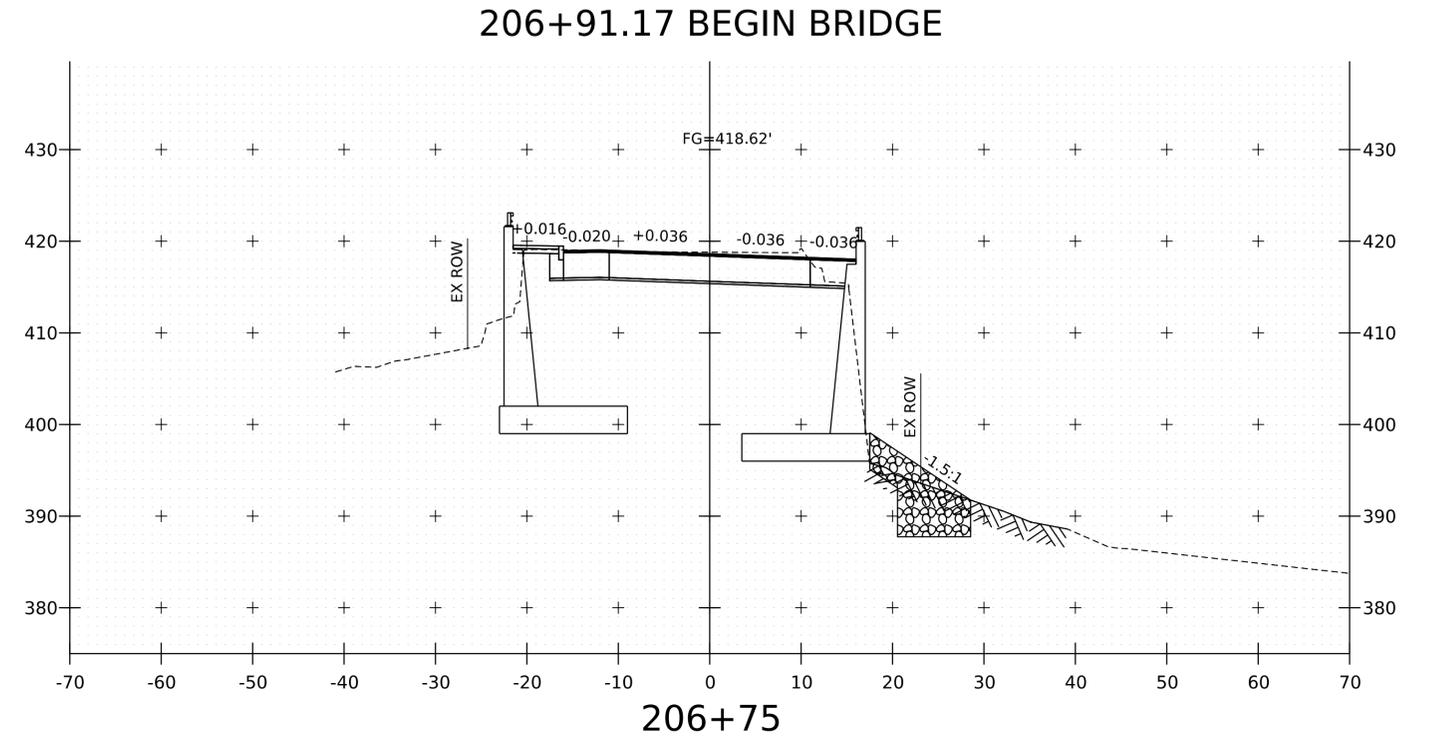
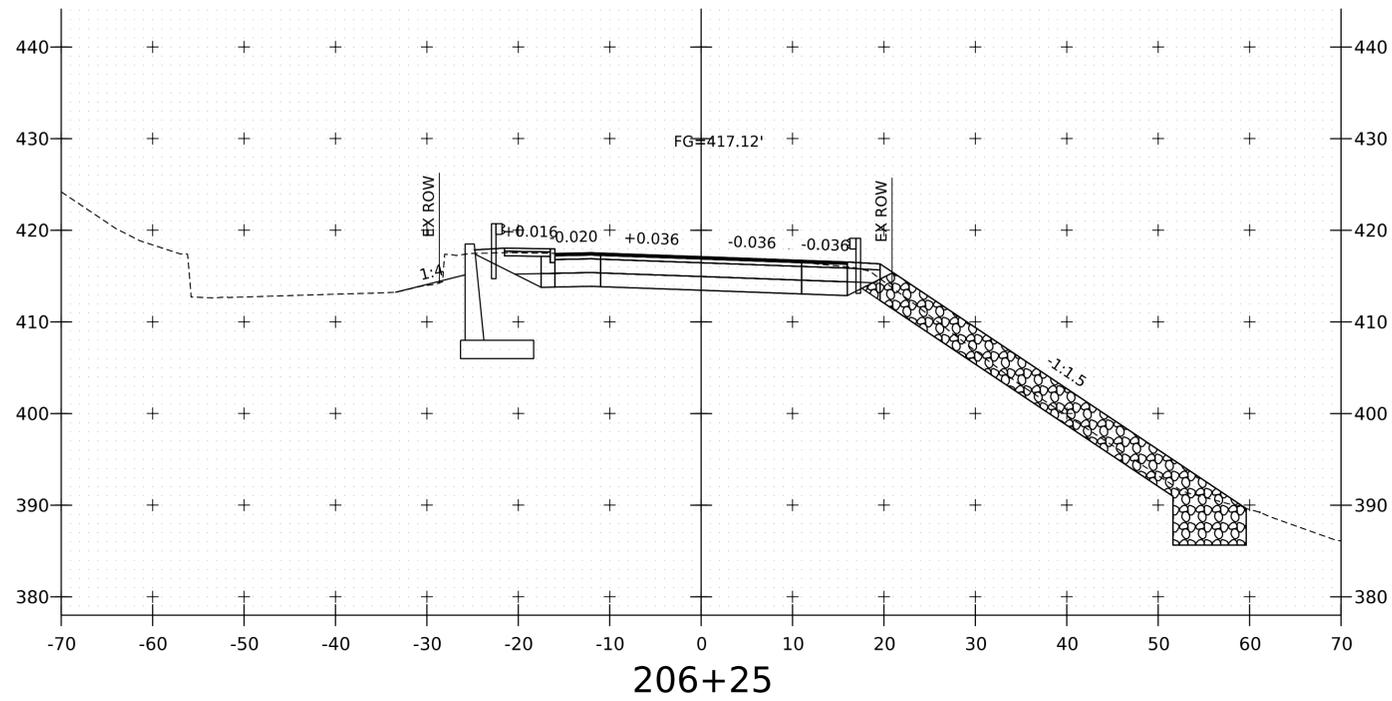


PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	36 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 CROSS SECTIONS SHEET 4	

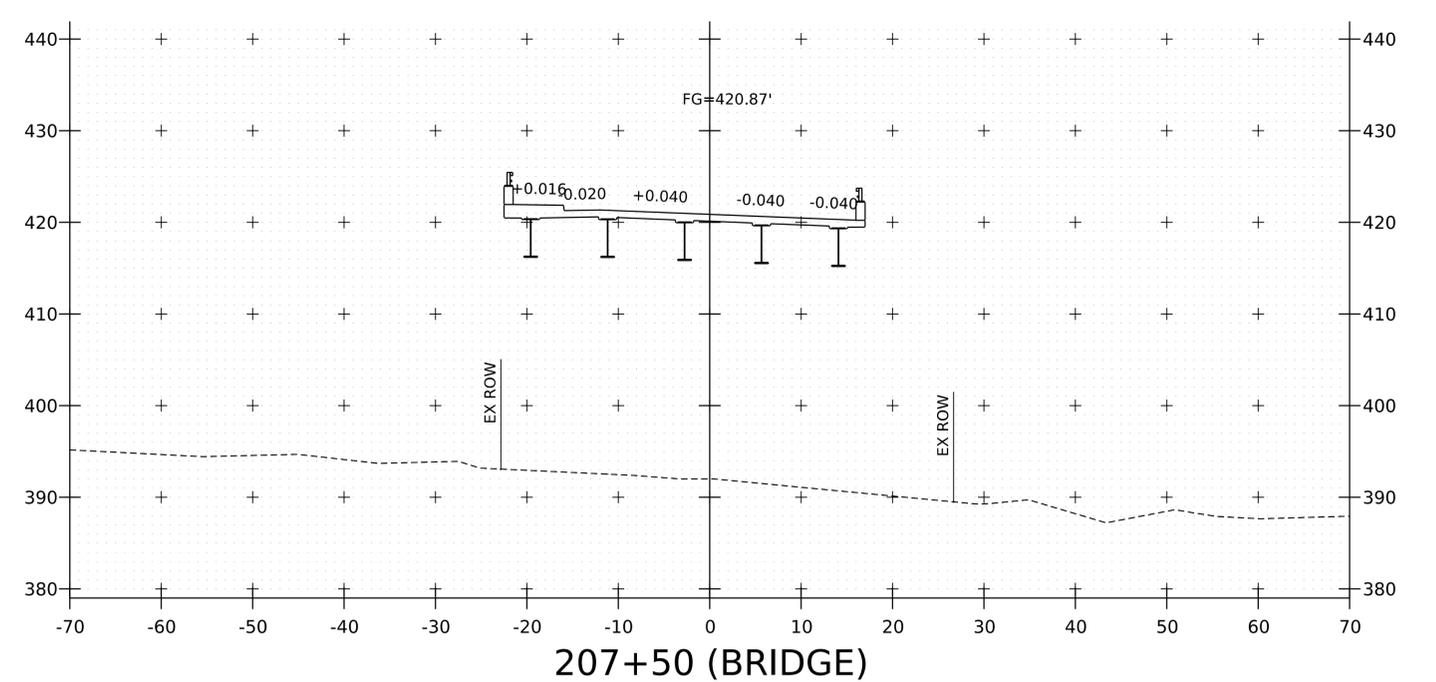
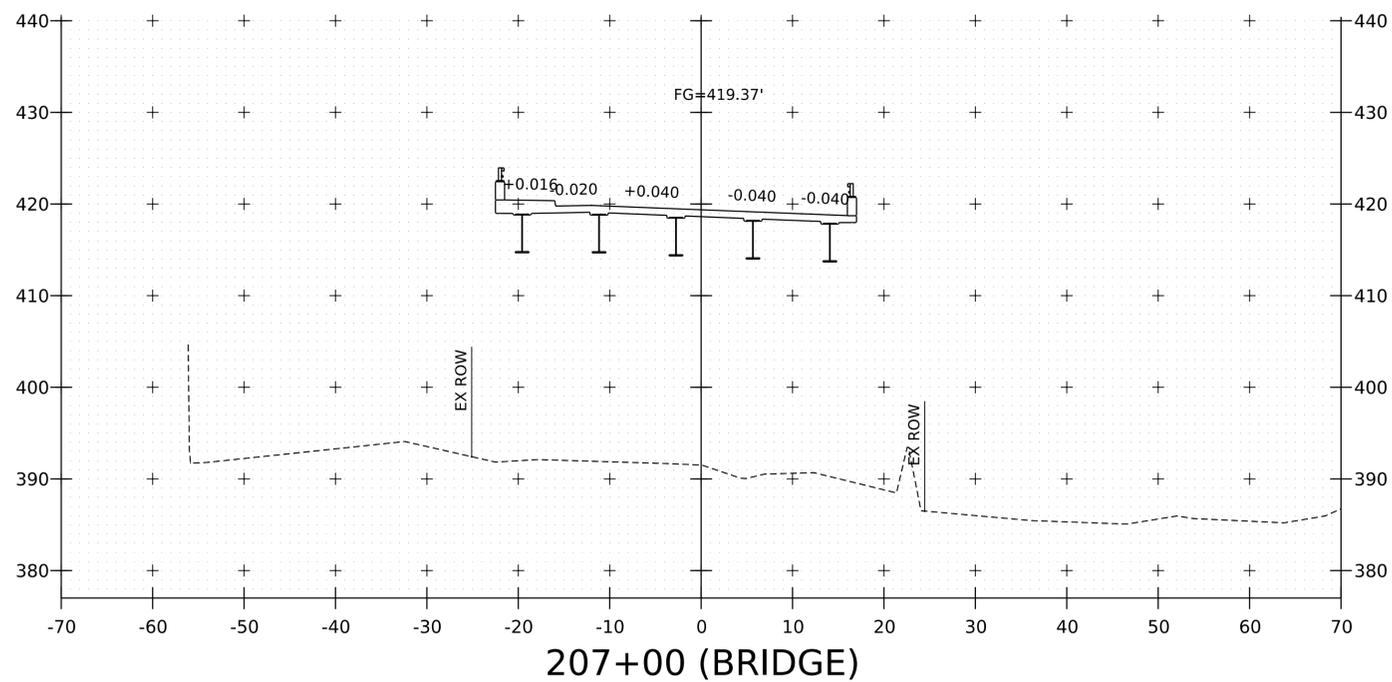
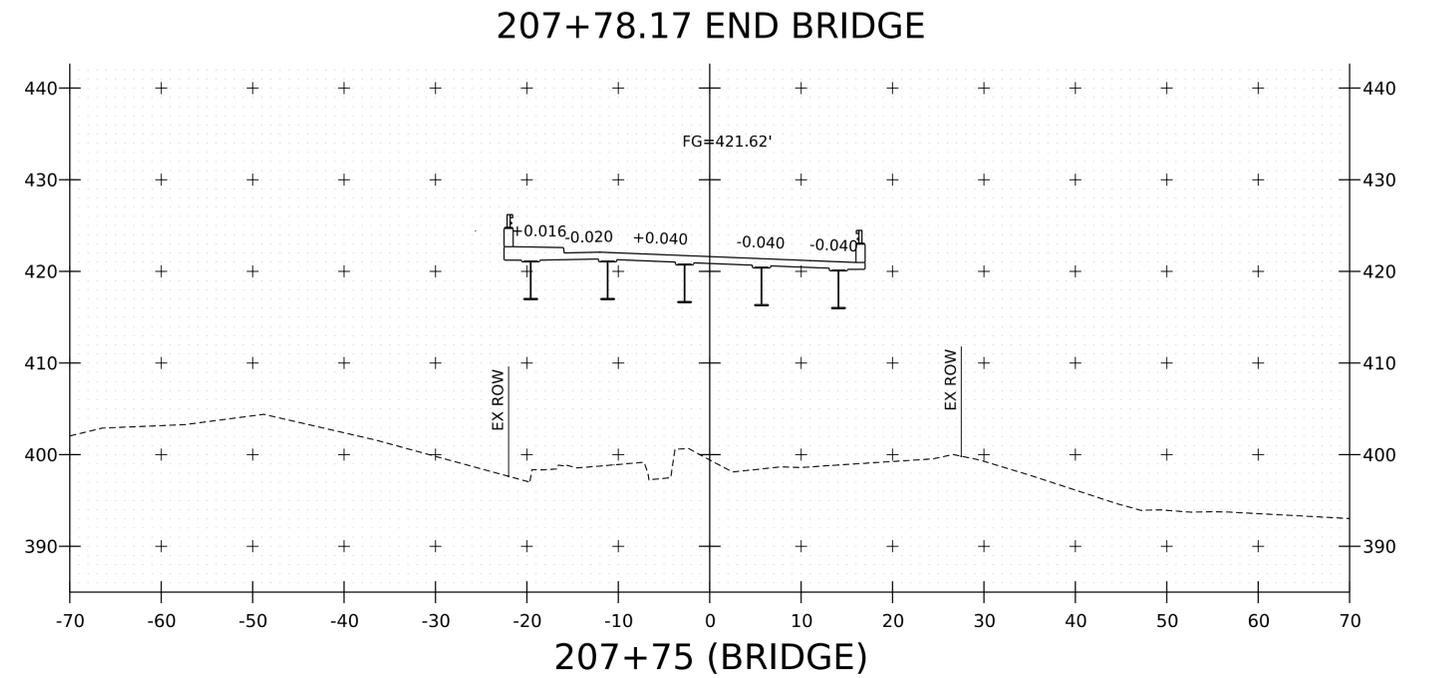
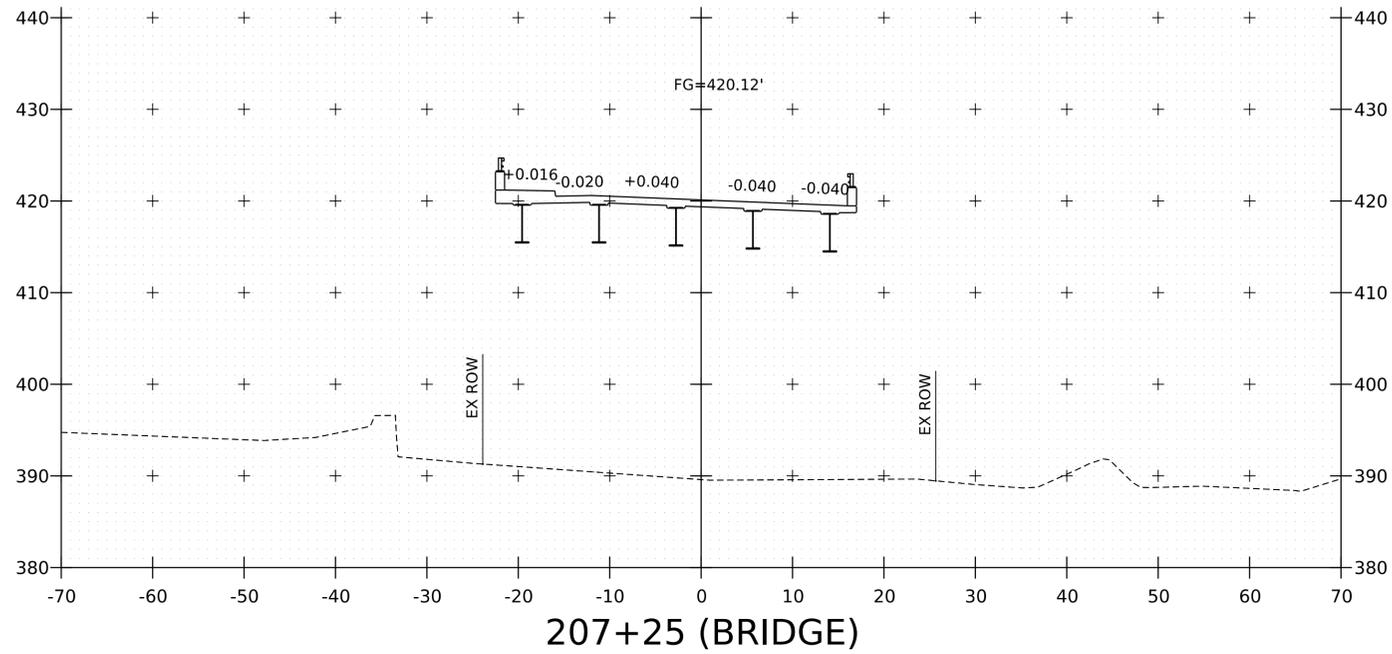


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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	37 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 CROSS SECTIONS SHEET 5	

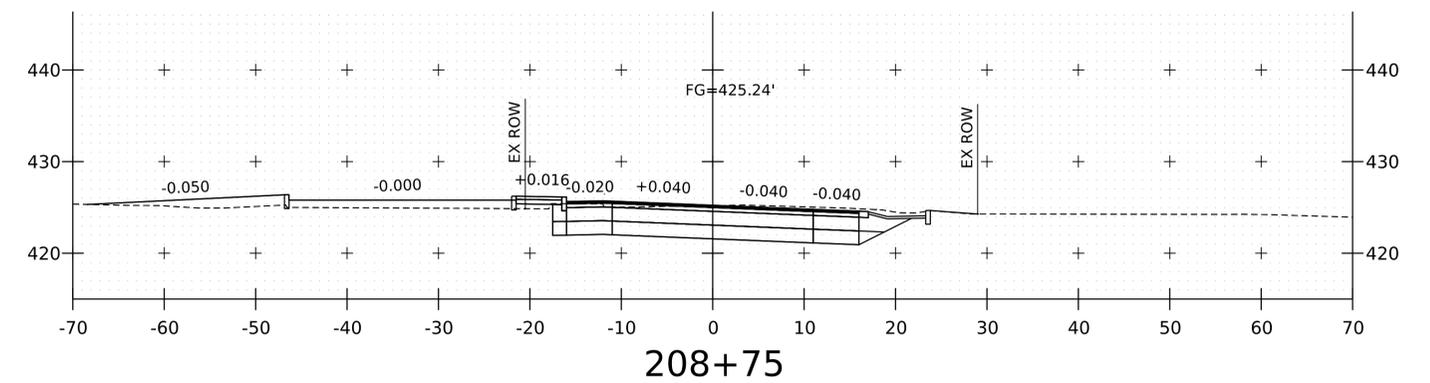
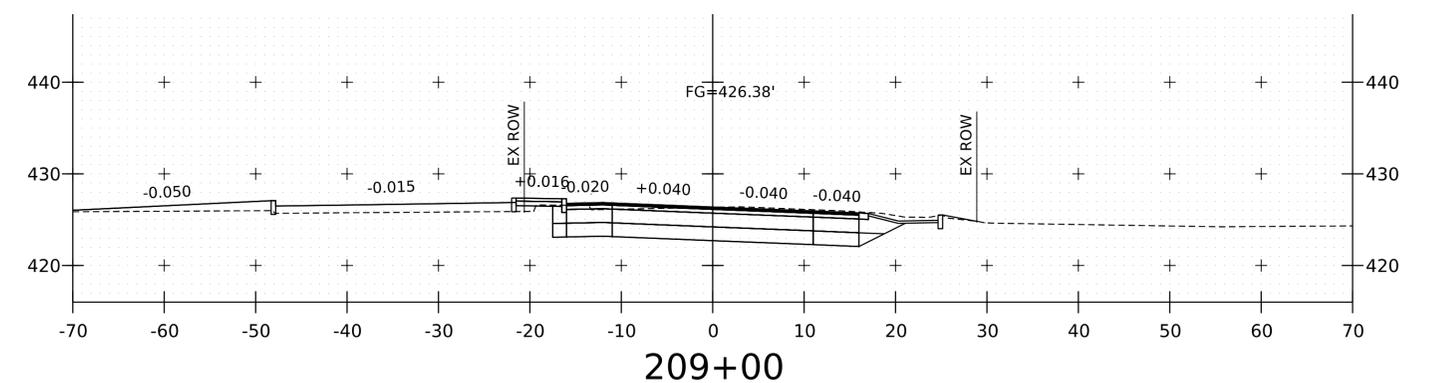
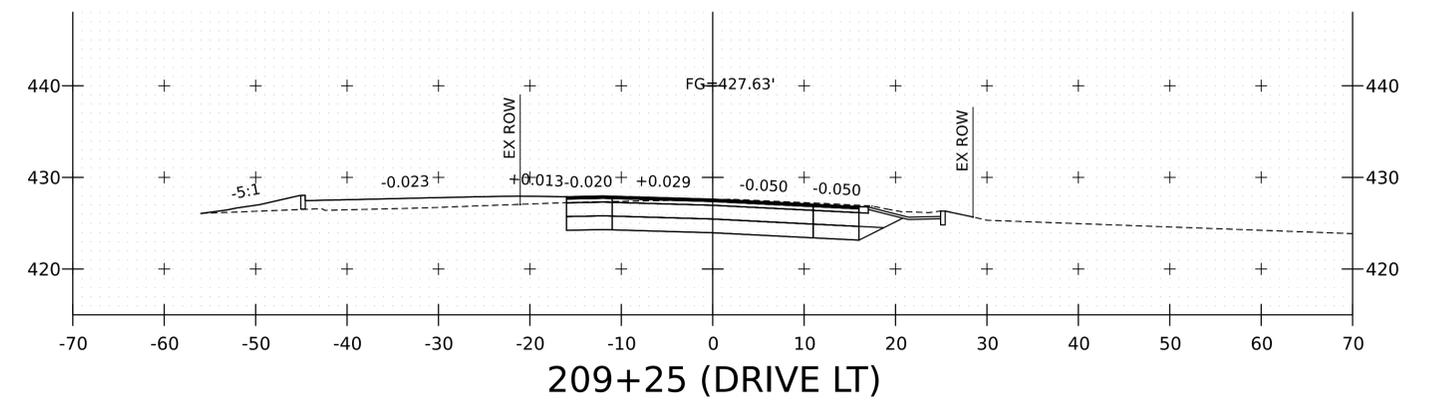
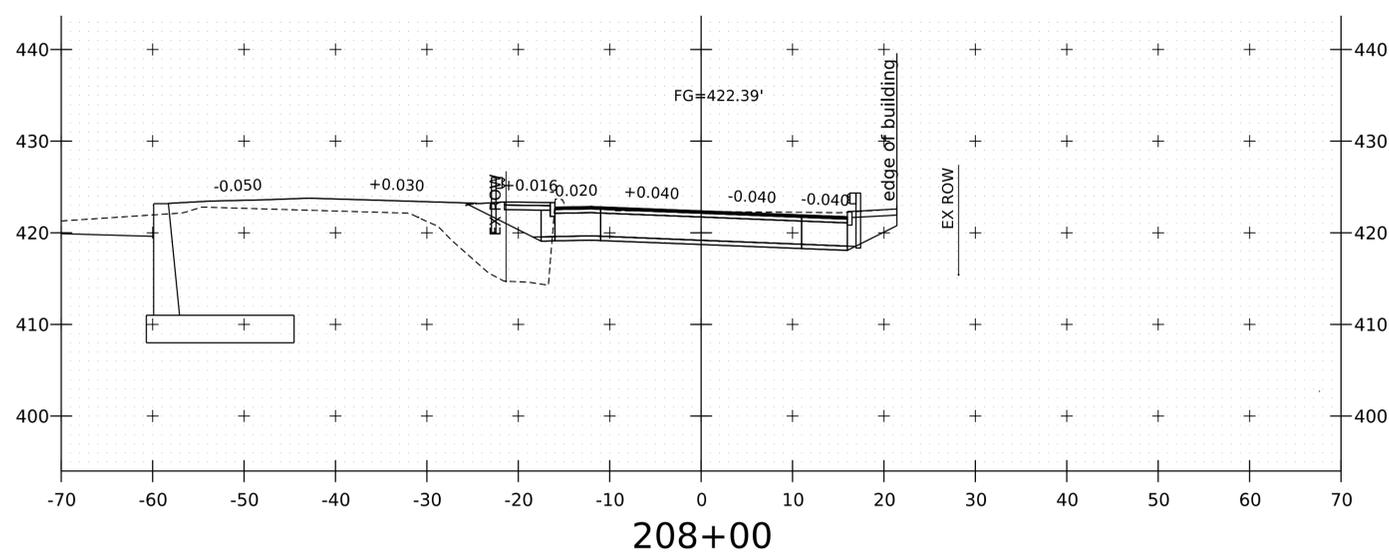
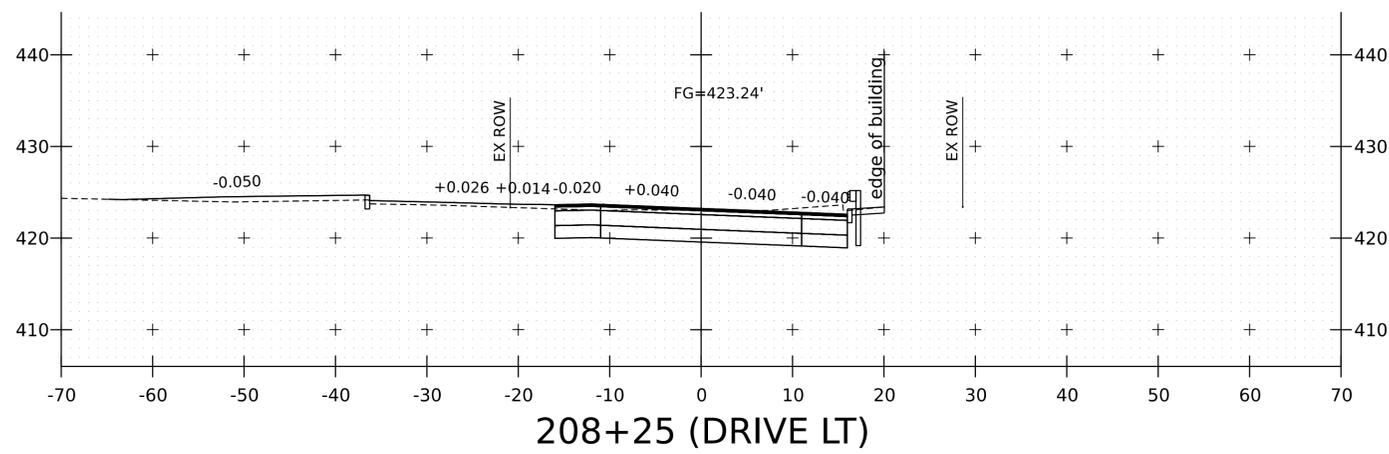
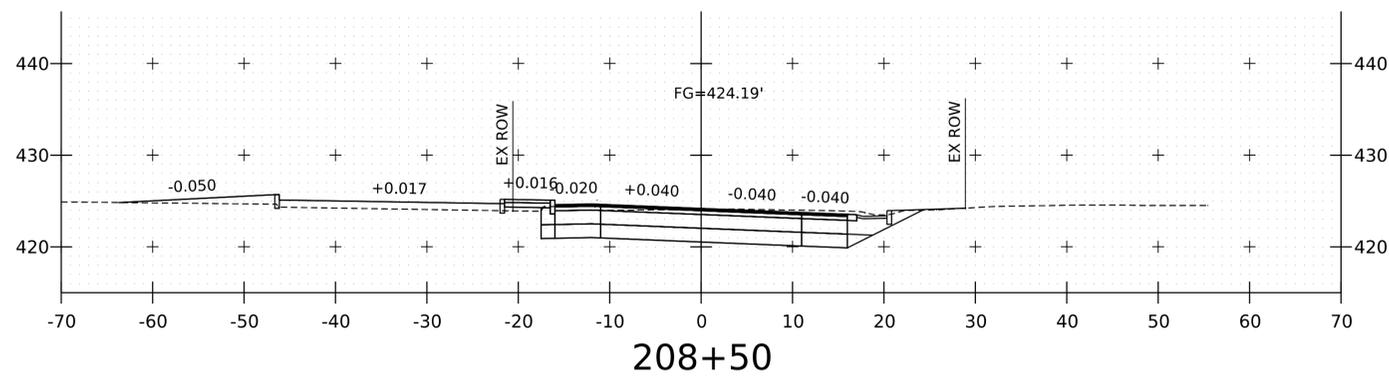




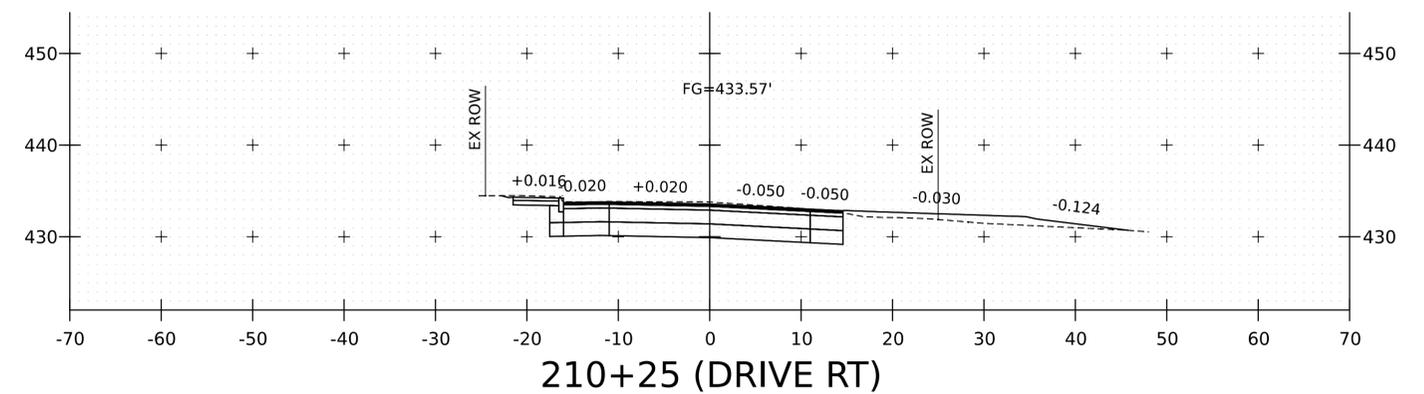
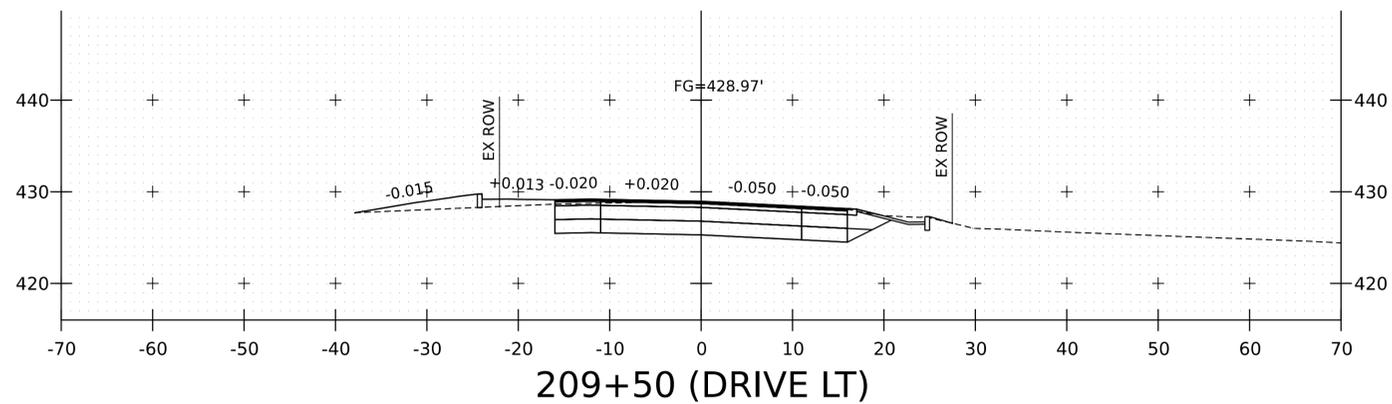
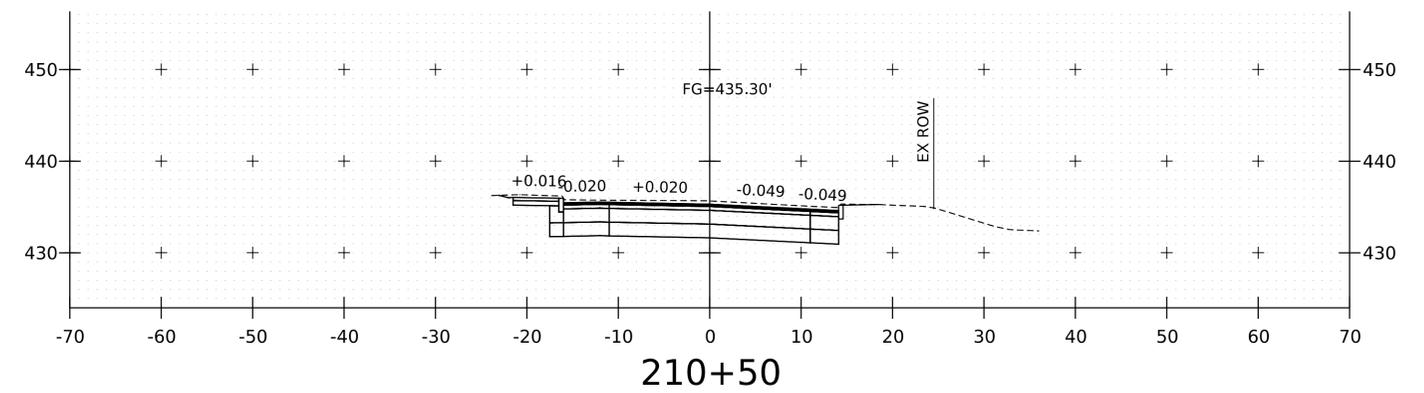
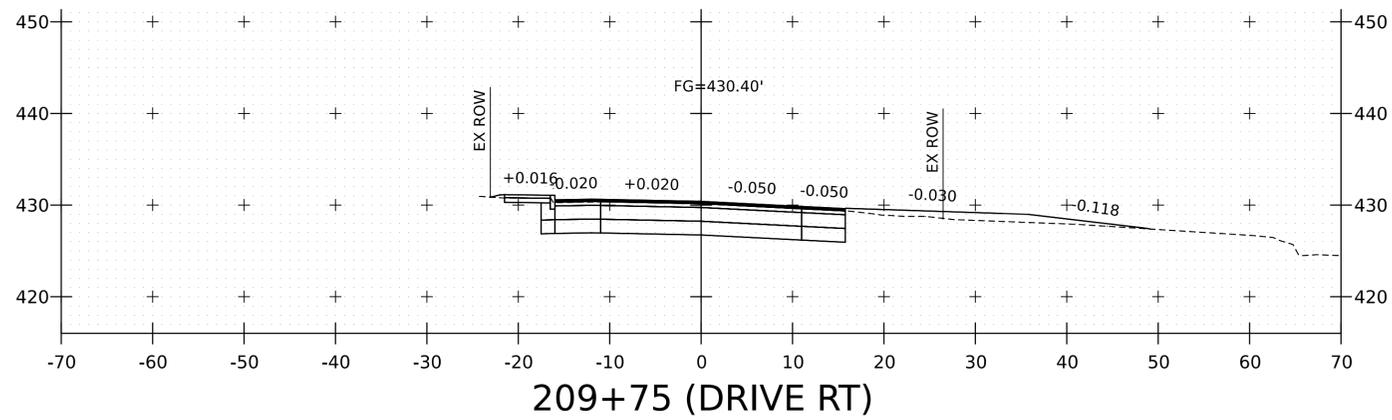
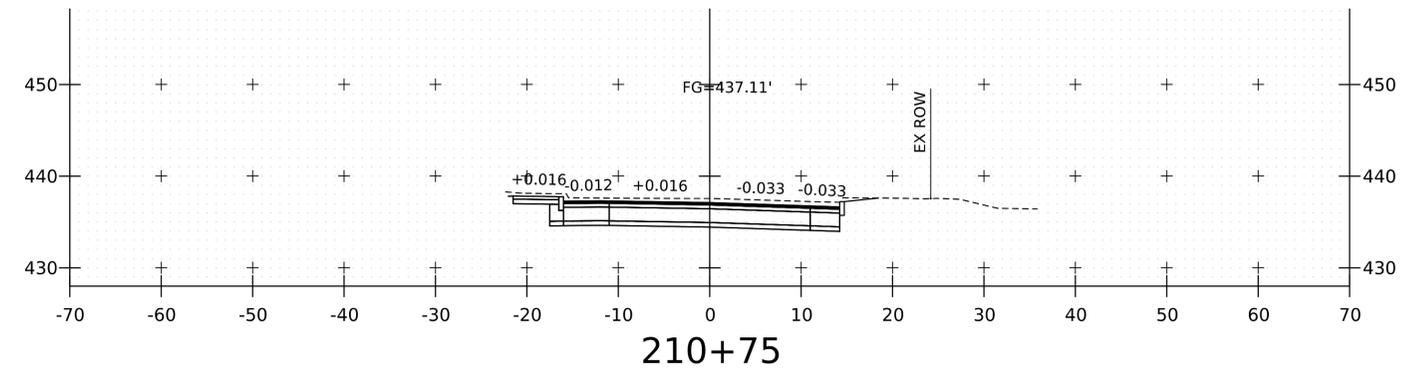
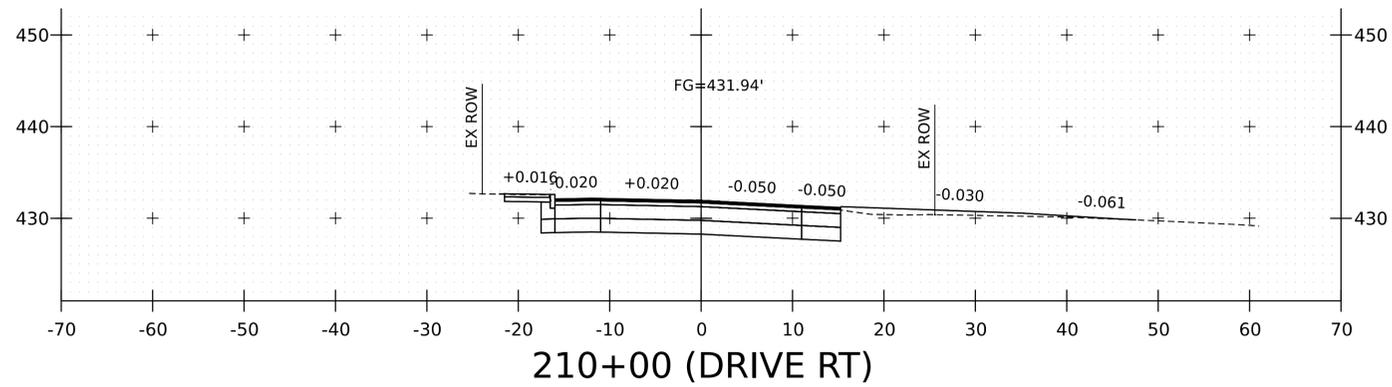
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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	39 OF 43
DESIGNED BY:	H. BROWN		
US ROUTE 5 CROSS SECTIONS SHEET 7			



PROJECT NAME:	BRADFORD	PLOT DATE:	22-SEP-2025
PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	US ROUTE 5 CROSS SECTIONS SHEET 8	SHEET 40 OF 43



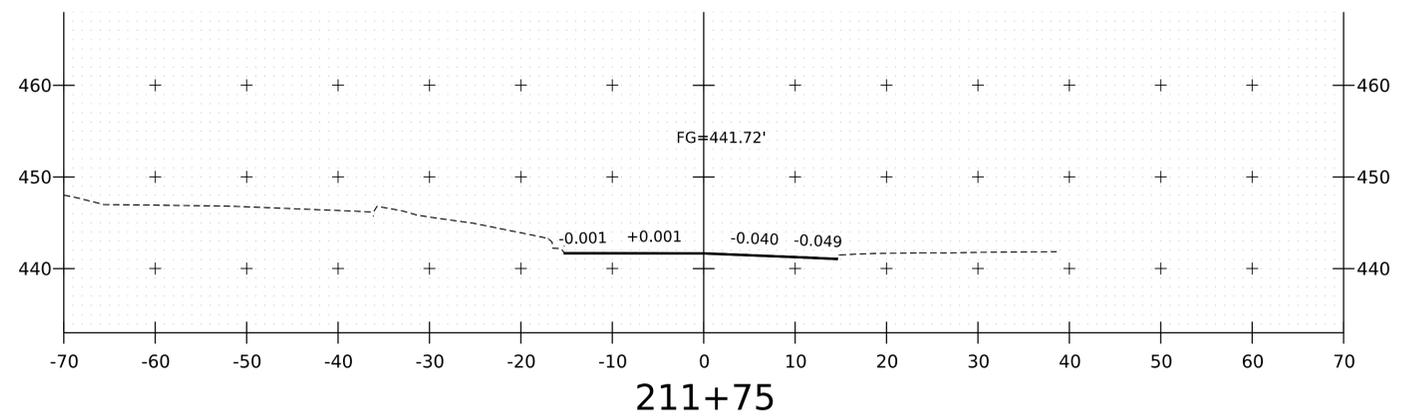
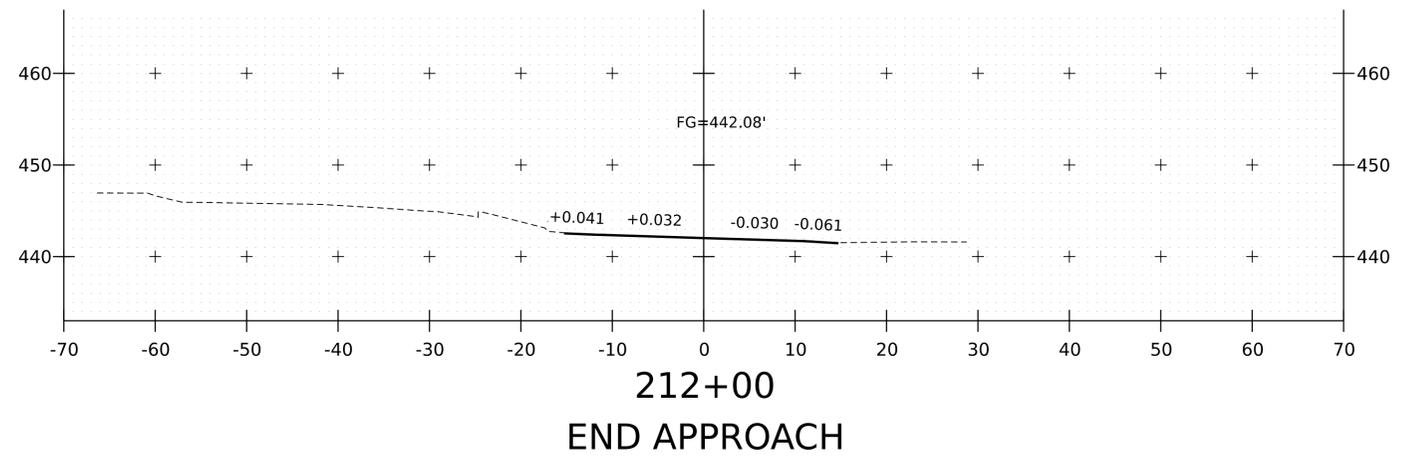
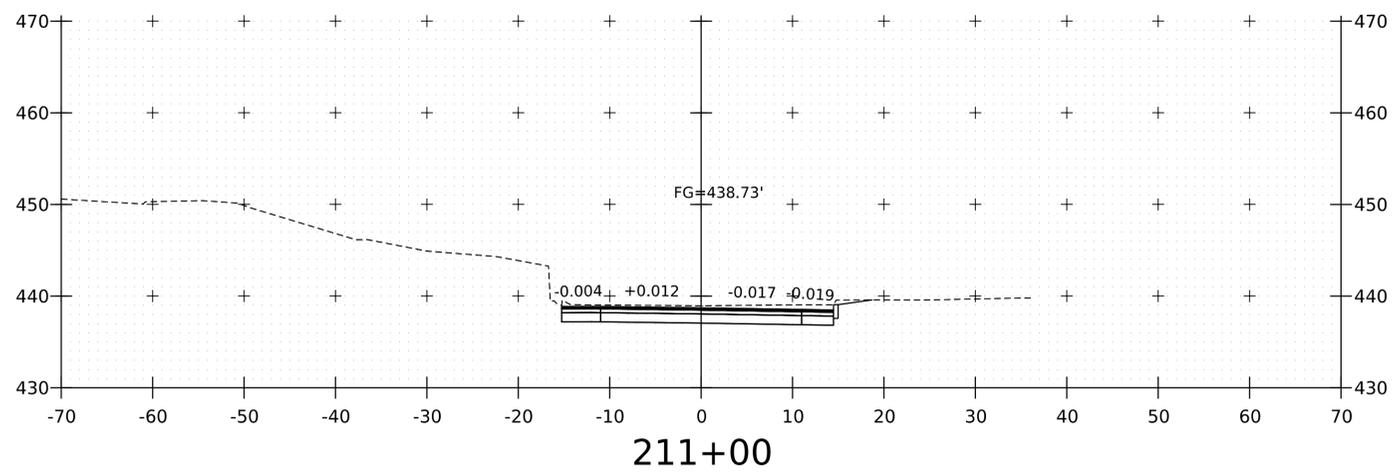
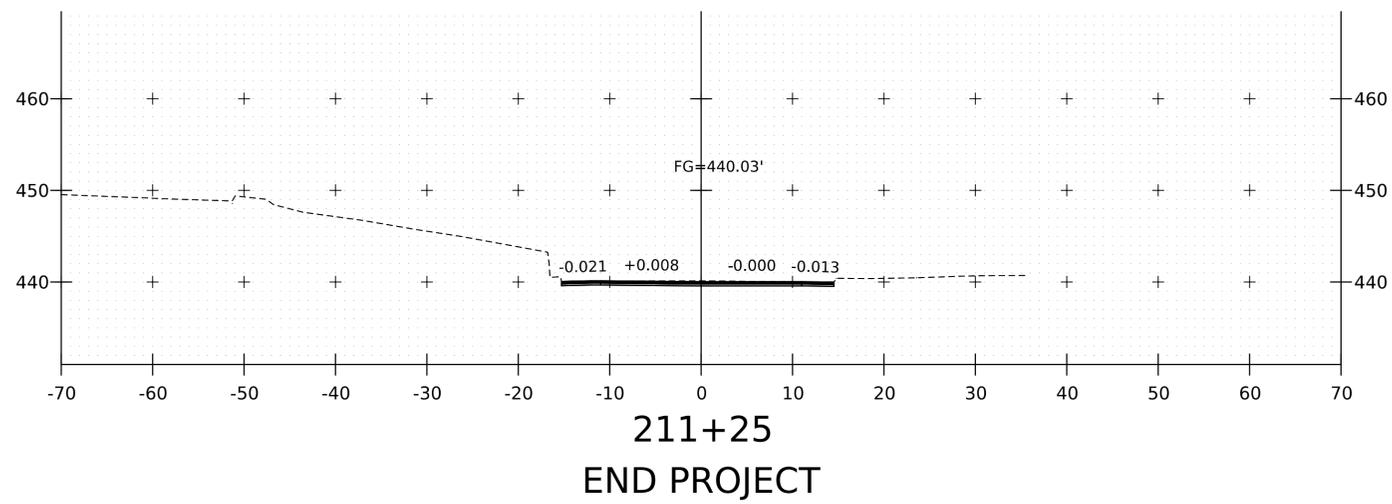
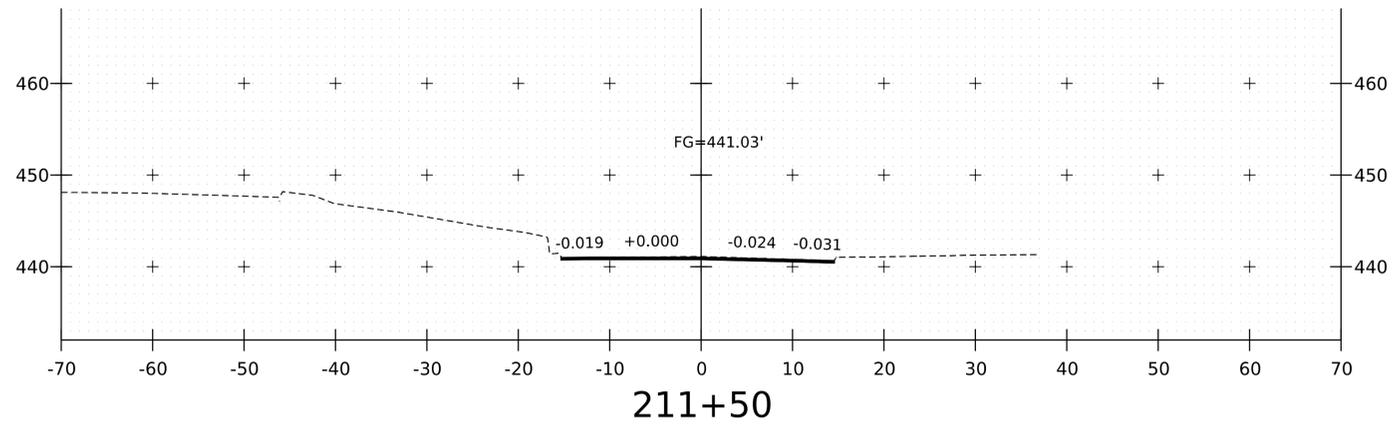
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PROJECT NUMBER:	BF 0113(89)	DRAWN BY:	H. BROWN
FILE NAME:	z22b388xs	CHECKED BY:	K. MORRISON
PROJECT LEADER:	T. FRENCH	SHEET	41 OF 43
DESIGNED BY:	H. BROWN	US ROUTE 5 CROSS SECTIONS SHEET 9	



PROJECT NAME: BRADFORD  
PROJECT NUMBER: BF 0113(89)

FILE NAME: z22b388xs  
PROJECT LEADER: T.FRENCH  
DESIGNED BY: H. BROWN  
US ROUTE 5 CROSS SECTIONS SHEET 10

PLOT DATE: 22-SEP-2025  
DRAWN BY: H. BROWN  
CHECKED BY: K. MORRISON  
SHEET 42 OF 43



PROJECT NAME: BRADFORD  
PROJECT NUMBER: BF 0113(89)

FILE NAME: z22b388xs  
PROJECT LEADER: T.FRENCH  
DESIGNED BY: H. BROWN  
US ROUTE 5 CROSS SECTIONS SHEET 11

PLOT DATE: 22-SEP-2025  
DRAWN BY: H. BROWN  
CHECKED BY: K. MORRISON  
SHEET 43 OF 43