VTrans Vermont Agency of Transportation

REQUEST FOR PROJECT REVIEW

RFPR version 4.0.a.

PROJECT INFORMATION

Proj. Name and Number: Shelburne STP BP18(3)

EA No.: BP18003 PPMS: 19F010

Project Manager: Debra Pierce

Program: Municipal Assistance Phase: Conceptual

District: District 5 If Multiple Districts Specify

Traffic Signal: Yes Precast Elements: Yes

DOCUMENTS FOR REVIEW AND FILES LOCATION

PLANS FILE LOCATION : Z:\Highways\MUN\LCL\LTF Projects\Shelburne STP BP18(3) - 19F010\3 Conceptual\Plans \19F010_conceptual_plans.pdf

ESTIMATE FILE LOCATION : Z:\Highways\MUN\LCL\LTF Projects\Shelburne STP BP18(3) - 19F010\3 Conceptual\Plans \19F10_conceptual_estimate.pdf

FILE LOCATION :

FILE LOCATION :

FILE LOCATION :

TIME LINES

SUBMITTED: 03-30-2020

DEADLINE: 04-22-2020

COMPLETED: 04-23-2020

INVITEES FOR REVIEW

[X] MOB Districts

REVIEWED By James Marshall (James.Marshall@vermont.gov) at 12:40 pm, Apr 16, 2020

REVIEWED By Ashley Bishop (ashley.bishop@vermont.gov) at 9:39 am, Apr 09, 2020

Operations and Safety Bureau

Included in all projects

REVIEWED By Kristin Driscoll (kristin.driscoll@vermont.gov) at 9:03 am, Apr 21, 2020

REVIEWED By Tyler Guazzoni (tyler.guazzoni@vermont.gov) at 9:46 am, Apr 16, 2020

[ ] Support Services Bureau

[X] MAB Bicycle and Pedestrian Program Unit

REVIEWED By Jon Kaplan (Jon.kaplan@vermont.gov) at 9:06 am, Apr 20, 2020

[X] PDB Right-of-Way

REVIEWED By Matthew Colburn (matthew.colburn@vermont.gov) at 1:51 pm, Apr 02, 2020

[ ] PDB Structural Section

[ ] PDB Survey Section

[X] PDB Utility Section

Didn't participate in On-line review.

[ ] PDB Highway Safety & Design

[X] PDB Environmental Section

REVIEWED By Jane Brown (jane.brown@vermont.gov) at 12:54 pm, Apr 15, 2020

REVIEWED By Jonathan Armstrong (jon.armstrong@vermont.gov) at 2:41 pm, Apr 15, 2020

REVIEWED By Jeff Ramsey (jeff.ramsey@vermont.gov) at 1:04 pm, Apr 02, 2020

[X] PDB Hydraulics Section

Didn't participate in On-line review.

[ ] CMB Construction Section

REVIEWED By Sandra (sandra.schmitt@vermont.gov) at 12:30 pm, Apr 14, 2020

REVIEWED By Nancy Avery (nancy.avery@vermont.gov) at 1:26 pm, Apr 02, 2020

[ ] CMB Materials Testing and Certification Section

[ ] CMB Geotechnical Engineering Section

[ ] AMP Budget and Programming

Include on all reviews that include bridges within the Project Limits

[ ] AMP NBIS Inspections and Budget

Include on all reviews that include bridges within the Project Limits

[ ] Policy and Planning Bureau

[ ] FHWA

Include on all PoDI and WCRS Projects

[ ] Rail Bureau

[ ] Civil Rights

[ ] PPAID Permitting Services

[ ] Regional Planners

Others:

Chris Hunt
Derek Kenison
Joel Perrigo

REVIEWED By Derek Kenison (derek.kenison@vermont.gov) at 1:13 pm, Apr 03, 2020

Review Focus Notes:

Please charge time to EA BP18003, subjob 101

Print Form

Clear Form

Submit by Email

Online Shared Review

INDEX OF SHEETS

Traffic control?

Project does not appear in VTransparency

SOV symbol

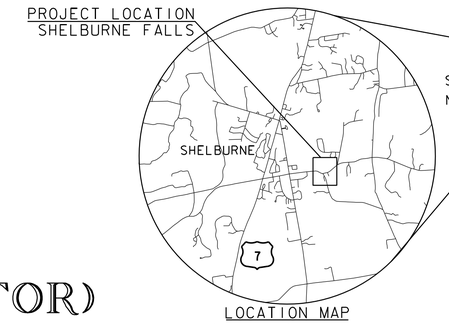
TOWN OF SHELBURNE
COUNTY OF CHITTENDEN
IRISH HILL RD (MAJOR COLLECTOR)

Include project name and number

SIDEWALK & PEDESTRIAN BRIDGE

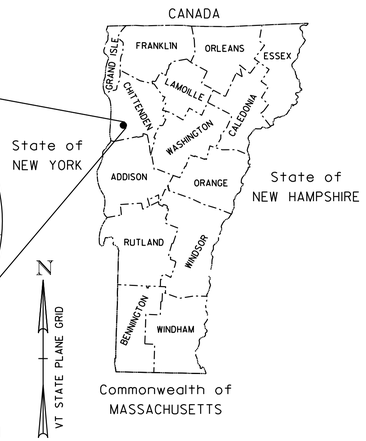
PROJECT
STP BP18(3)

PROJECT LOCATION
SHELBURNE FALLS



LOCATION MAP
0

APPROX. SCALE 3/4" = 1/2 MI
AT FULL SIZE



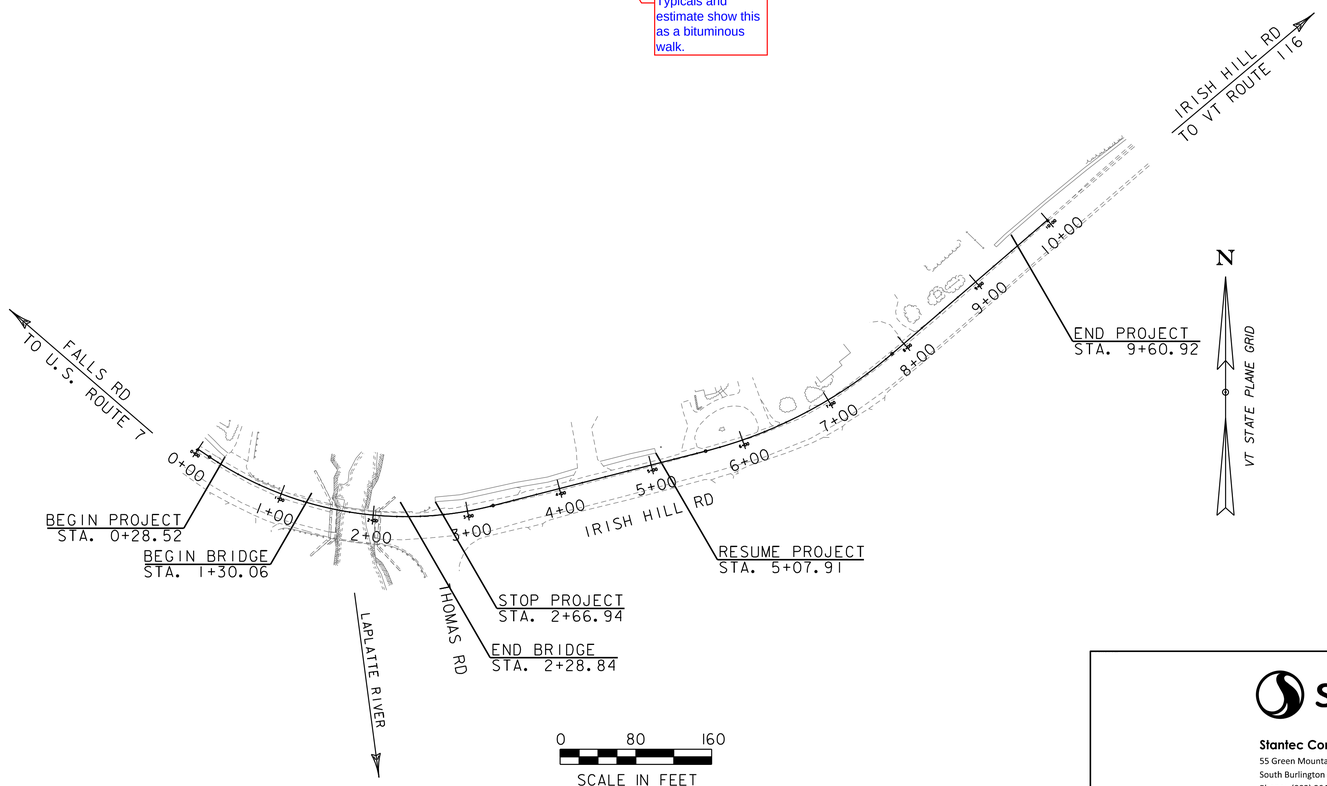
N
VT STATE PLANE GRID

THIS PROJECT IS LOCATED ALONG IRISH HILL ROAD BETWEEN THE LAPLATTE RIVER NATURE PARK AND THOMPSON ROAD IN THE TOWN OF SHELBURNE.
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES: CONSTRUCTION OF A 5 FOOT WIDE CONCRETE SIDEWALK, AN 8 FOOT WIDE PEDESTRIAN BRIDGE, STORMWATER IMPROVEMENTS AND RELATED ITEMS.

I see drainage but seems misleading to say stormwater improvements as no treatment is being proposed

LENGTH OF SIDEWALK = 592.65 FT (0.112 MILES)
LENGTH OF BRIDGE = 98.78 FT (0.019 MILES)

Typicals and estimate show this as a bituminous walk.



With the structural items, isn't this going to be a Level 2?

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 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 3

SURVEYED BY : VSE
SURVEYED DATE : 11/2019

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83(2011)

Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Phone: (802) 864-0223
Fax: (802) 864-0165
www.stantec.com

Joel Perrigo?

MUNICIPAL PROJECT MANAGER
APPROVED _____ DATE _____

PROJECT MANAGER : DEBRA PIERCE

PROJECT NAME : SHELBURNE
PROJECT NUMBER : STP BP18(3)

SHEET 1 OF 16 SHEETS

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY 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. SYMBOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

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

POINT	CODE	DESCRIPTION
	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
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
⧈	BNDNS	BOUND TO BE SET
●	IPNS	IRON PIN SET
◎	IPNS	IRON PIN TO BE SET
⊠	CALC	CALCULATED ROW POINT
[DISTANCE]		DISTANCE CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
	APL	BOUND APPARENT LOCATION
	BM	BENCH MARK
	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 RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES

- UT — TELEPHONE
- UE — ELECTRIC
- UC — CABLE (TV)
- UEC — ELECTRIC+CABLE
- UET — ELECTRIC+TELEPHONE
- UCT — CABLE+TELEPHONE
- UECT — ELECTRIC+CABLE+TELEP.
- G — GAS LINE
- W — WATER LINE
- S — SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

- T — TELEPHONE
- E — ELECTRIC
- C — CABLE (TV)
- EC — ELECTRIC+CABLE
- ET — ELECTRIC+TELEPHONE
- AER E&T — ELECTRIC+TELEPHONE
- CT — CABLE+TELEPHONE
- ECT — ELECTRIC+CABLE+TELEP.
- UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOGY

- 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 — PROJECT DEMARCATION FENCE
- BF — BARRIER FENCE
- TREE PROTECTION ZONE (TPZ)
- STRIPING LINE REMOVAL
- SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

- TOWN LINE — TOWN BOUNDARY LINE
- COUNTY LINE — COUNTY BOUNDARY LINE
- STATE 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/L — PROPERTY LINE (P/L)
- SR SR SR — SLOPE RIGHTS
- 6F — 6F PROPERTY BOUNDARY
- 4F — 4F PROPERTY BOUNDARY
- HAZ — HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOGY

EPSC MEASURES

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

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 SYMBOLOGY

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

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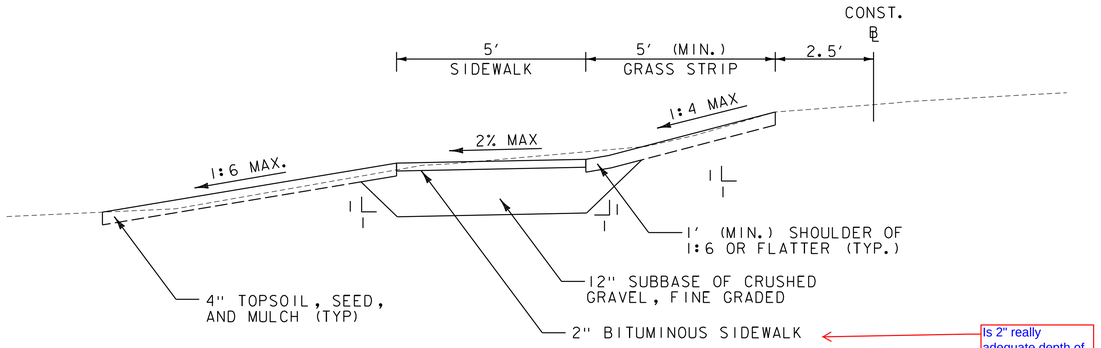
PROJECT NAME: SHELBURNE
PROJECT NUMBER: STP BPI8(3)

FILE NAME: 19F010frm.dgn
PROJECT LEADER: E. ALLING
DESIGNED BY: E. ALLING
CONVENTIONAL SYMBOLOGY LEGEND SHEET

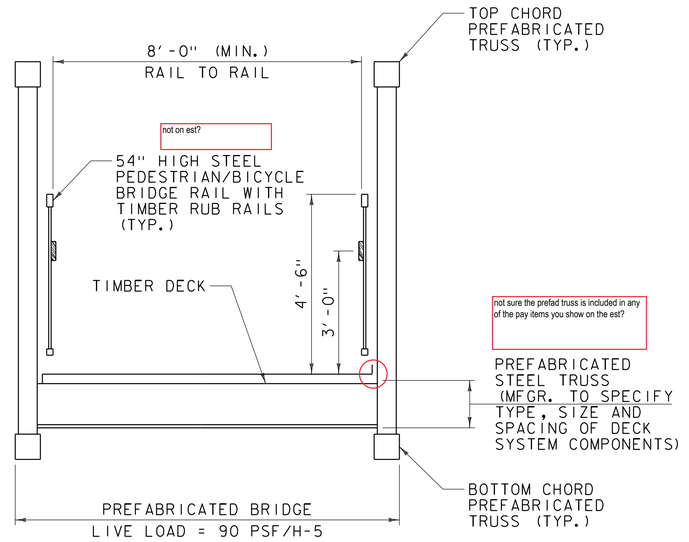
PLOT DATE: 2/28/2020
DRAWN BY: S. NEELY
CHECKED BY: ---
SHEET 2 OF 16

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT COURSES (TOTAL DEPTH)	+ 1/4"
BASE COURSES (TOTAL DEPTH)	+/- 1"
SUBBASE	+/- 1"



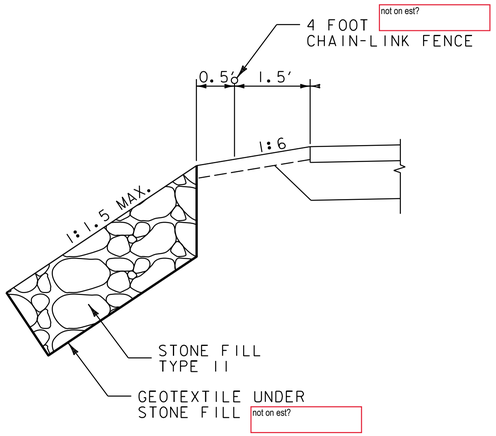
SIDEWALK WITHOUT CURB TYPICAL

NOT TO SCALE



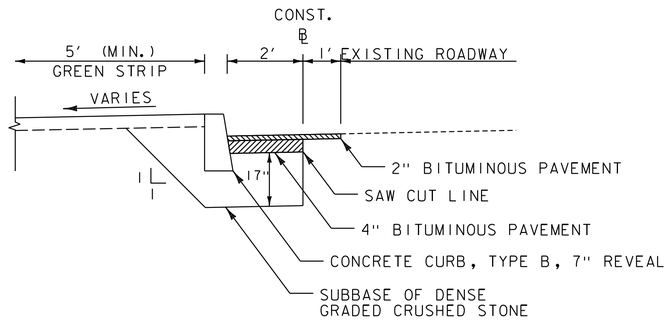
TRANSVERSE SECTION OF SUPERSTRUCTURE

NOT TO SCALE



EDGE DETAIL FOR STEEP SLOPES

NOT TO SCALE



CURB DETAIL

NOT TO SCALE

PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19F010typ.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
TYPICAL SECTIONS	SHEET 3 OF 16

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GPS CONTROL POINTS

F 65

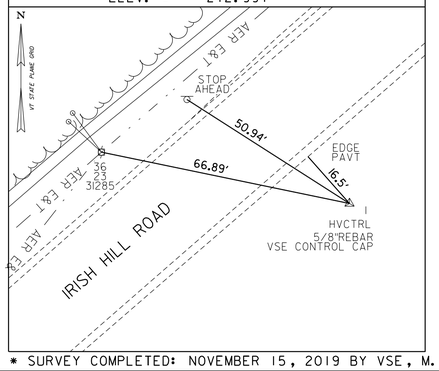
PID PG1580
NORTH = 680139.073
EAST = 1448455.676
ELEV. = 266.361

RECOVERY NOTE BY VERMONT AGENCY OF TRANSPORTATION 1995 (CHR). GENERAL LOCATION, SHELBURNE, VT. OWNERSHIP, COUNTRYSIDE MOTEL, SHELBURNE, VT. TO REACH FROM THE METHODIST CHURCH IN SHELBURNE VILLAGE GO SOUTH ALONG U.S. ROUTE 7 FOR 1.0 MI (1.6 KM) TO THE MARK ON THE LEFT IN THE LAWN AT THE COUNTRYSIDE MOTEL. TO REACH FROM THE JUNCTION OF VT ROUTE 22A AND U.S. ROUTE 7 IN VERGENNES GO NORTH ALONG U.S. ROUTE 7 FOR 13.1 MI (21.1 KM) TO THE MARK ON THE RIGHT. THE MARK IS 13.7 METERS (44.9 FT) NORTHEAST OF THE CENTERLINE OF U.S. ROUTE 7, 26.9 METERS (88.3 FT) SOUTH OF THE CENTERLINE OF A DRIVEWAY LEADING TO THE MOTEL, AND 13.5 METERS (44.3 FT) SOUTHWEST OF LIGHT POLE 01.

TRAVERSE TIES

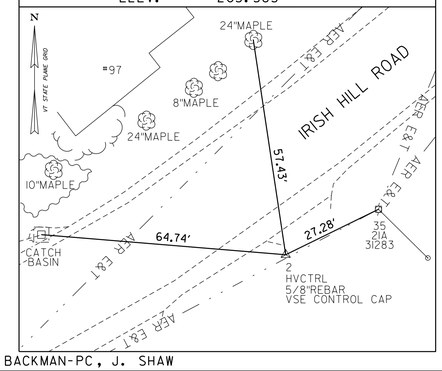
HVCTRL #1

NORTH = 682933.443
EAST = 1454024.811
ELEV. = 212.991



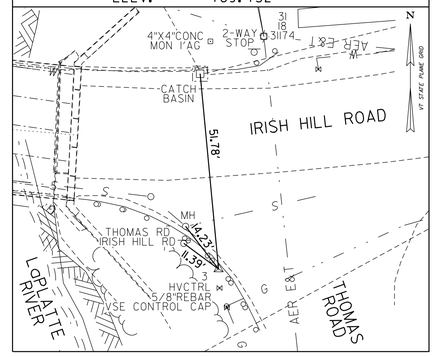
HVCTRL #2

NORTH = 682730.198
EAST = 1453774.000
ELEV. = 203.583



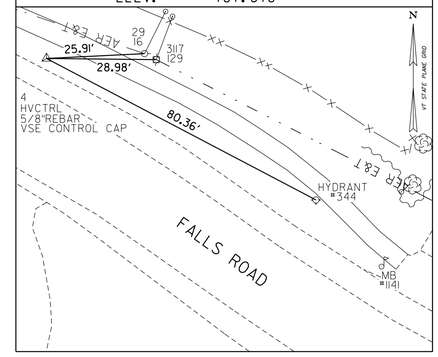
HVCTRL #3

NORTH = 682571.916
EAST = 1453290.125
ELEV. = 169.132



HVCTRL #4

NORTH = 682738.751
EAST = 1452996.936
ELEV. = 187.618



NORTH =
EAST =
ELEV. =

* SURVEY COMPLETED: NOVEMBER 15, 2019 BY VSE, M. BACKMAN-PC, J. SHAW

ALIGNMENT TIES

NORTH =	NORTH =	NORTH =	NORTH =	NORTH =
EAST =	EAST =	EAST =	EAST =	EAST =
ELEV. =	ELEV. =	ELEV. =	ELEV. =	ELEV. =

DATUM

VERTICAL NAVD88

HORIZONTAL NAD83(2011)

ADJUSTMENT NONE

PROJECT NAME: SHELBURNE
PROJECT NUMBER: STP BP18(3)

FILE NAME:
PROJECT LEADER: VSE
DESIGNED BY: VSE
TIE SHEET

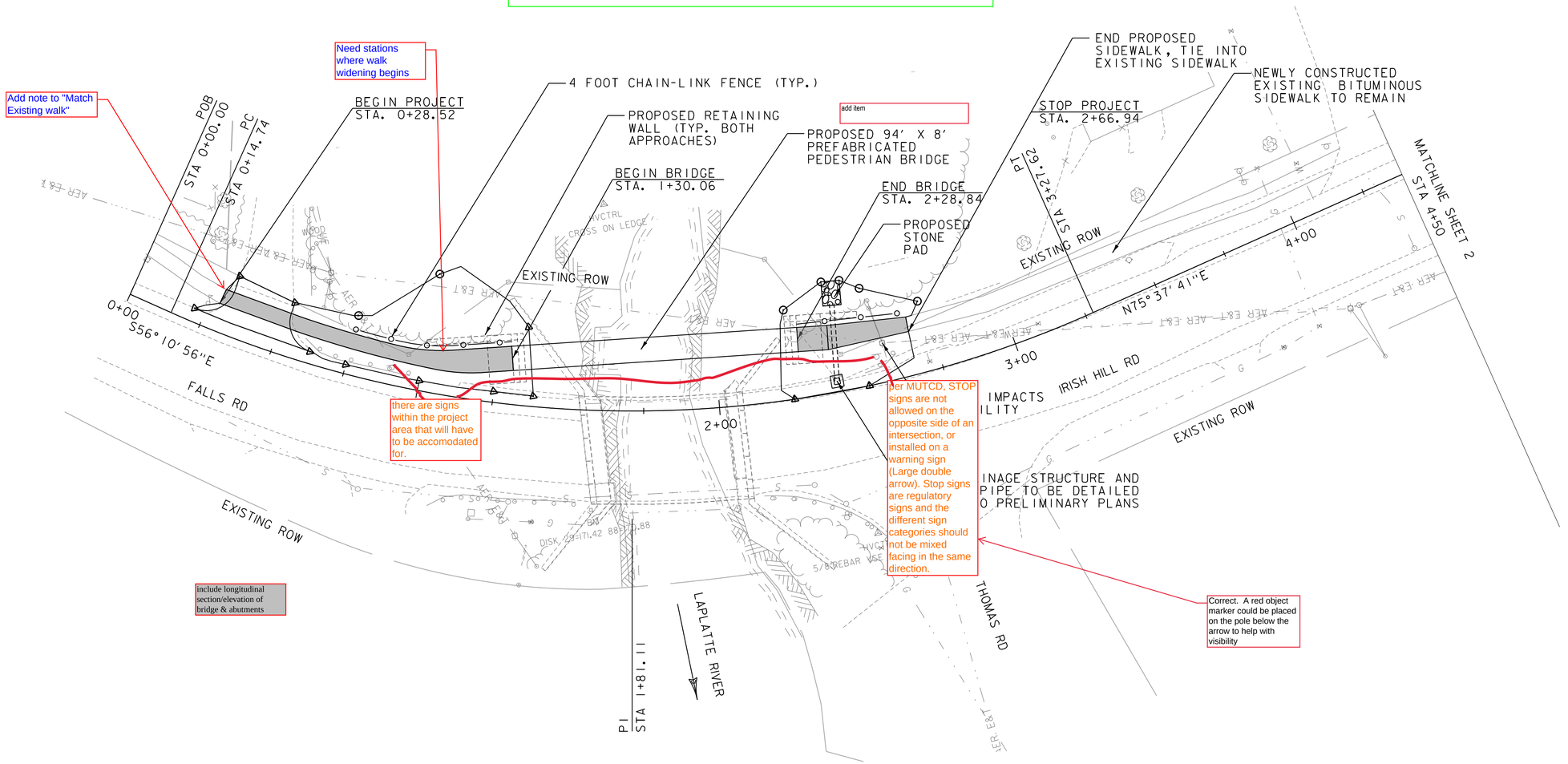
PLOT DATE: 2/28/2020
DRAWN BY: VSE
CHECKED BY: VSE
SHEET 4 OF 16

All reasonable efforts shall be made to accommodate pedestrian and bicycle travel. Traffic control plans should replicate the existing pedestrian pathway as nearly as practical. This can include but is not limited to a dedicated pedestrian escort (not a Flagger on duty), signage, and pedestrian channelizing device walkways that meet ADA requirements or have bicyclist follow the rules of the road just like a motorist. Also, to ensure that obstacles, equipment, construction materials, traffic control devices, etc. do not encroach into the bicycle path of travel and that these routes are free of ruts, sand and mud to prevent cyclist's crashes.

Add note to "Match Existing walk"

Need stations where walk widening begins

add item



there are signs within the project area that will have to be accomodated for.

per MUTCD, STOP signs are not allowed on the opposite side of an intersection, or installed on a warning sign (Large double arrow). Stop signs are regulatory signs and the different sign categories should not be mixed facing in the same direction.

Correct. A red object marker could be placed on the pole below the arrow to help with visibility

include longitudinal section/elevation of bridge & abutments

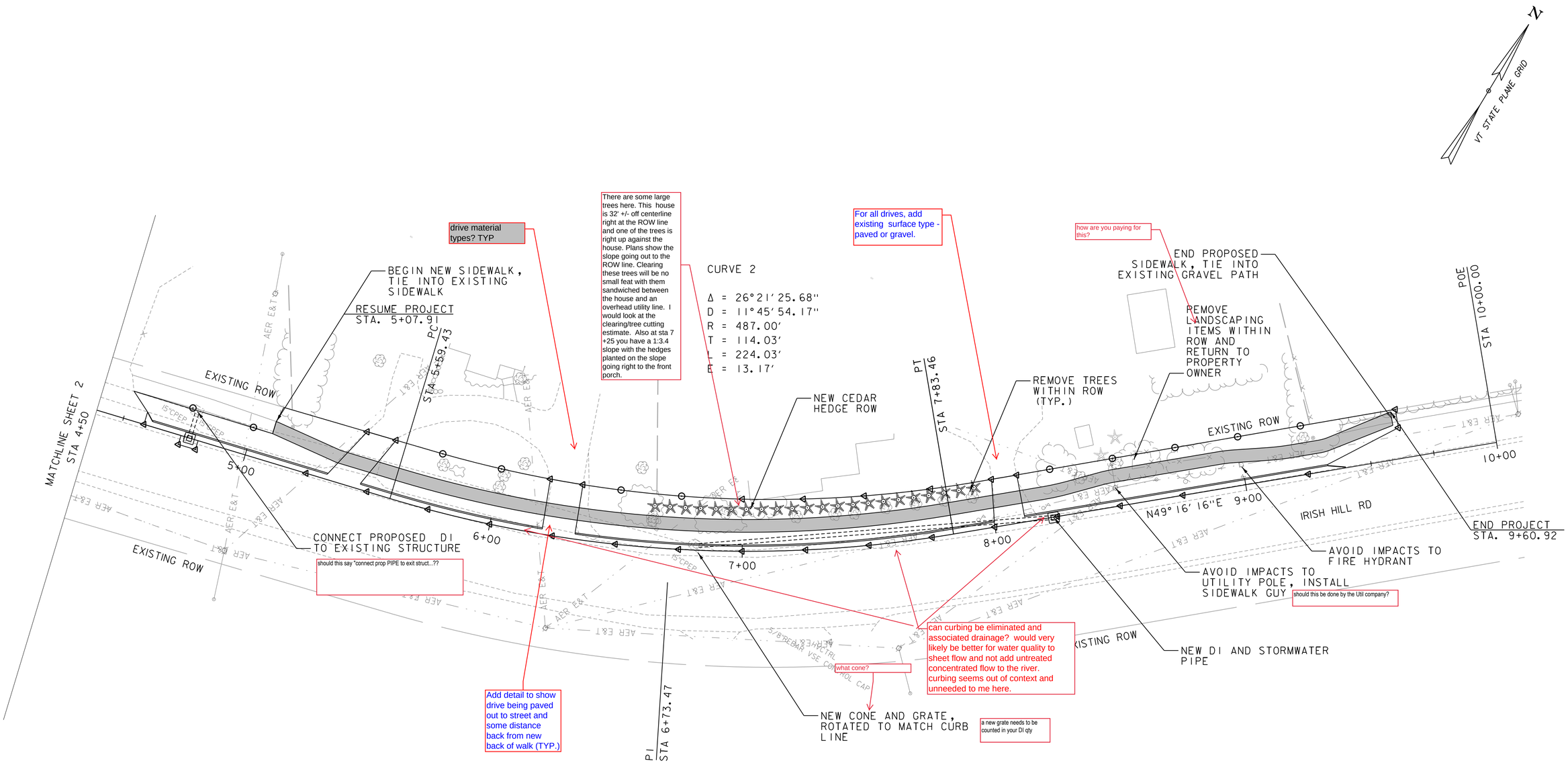
CURVE 1

Δ = 48° 11' 23.07"
D = 15° 24' 07.53"
R = 372.00'
T = 166.36'
L = 312.88'
E = 35.51'

0 20 40
SCALE IN FEET

Stantec

PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: I9F010bdr.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: J. BURKE	CHECKED BY: E. ALLING
PLAN SHEET 1	SHEET 5 OF 16



0 20 40
SCALE IN FEET

Stantec

PROJECT NAME:	SHELBURNE
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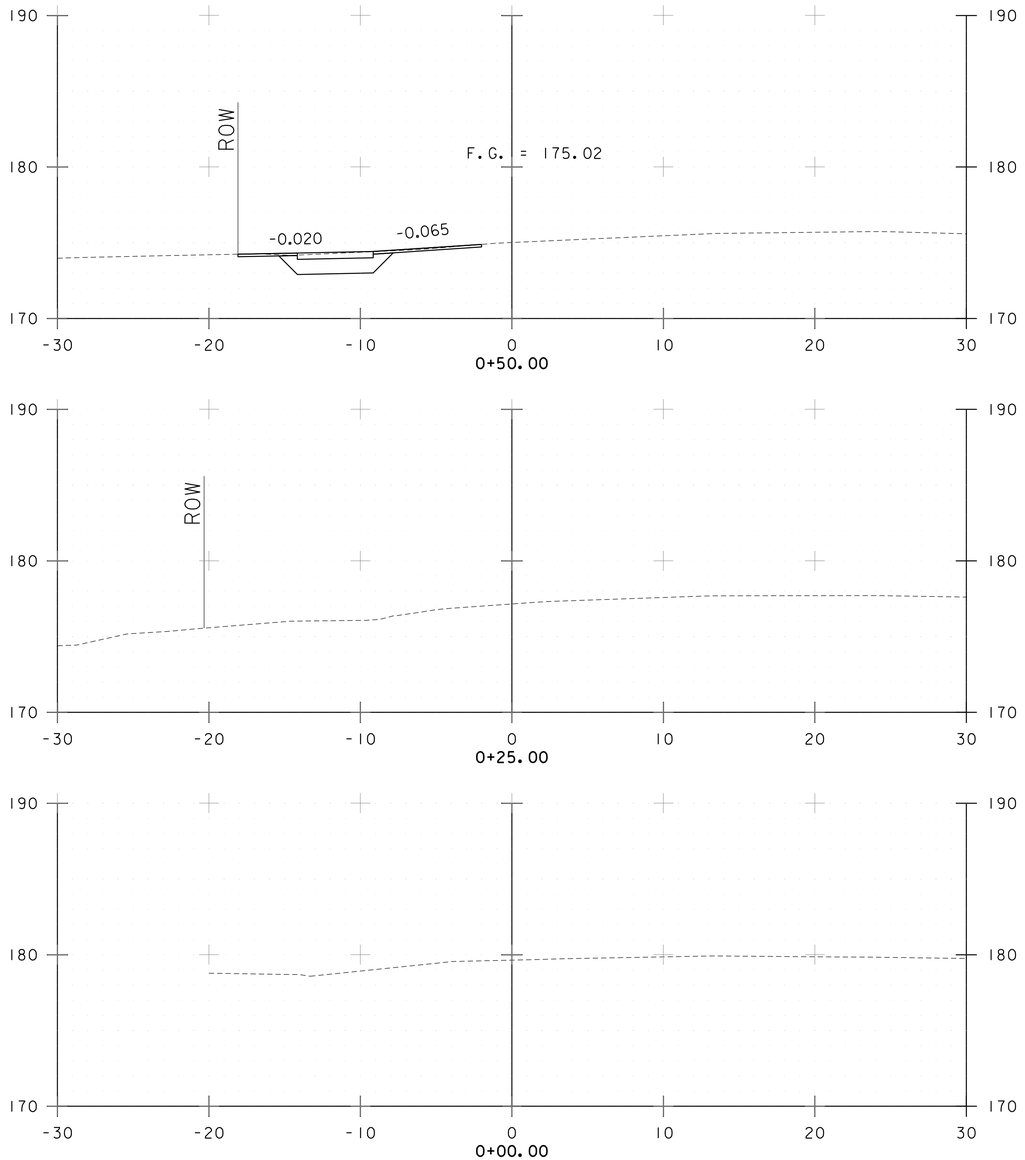
FILE NAME: 19F010bdr.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: J. BURKE	CHECKED BY: E. ALLING
PLAN SHEET 2	SHEET 6 OF 16



STA. 0+00 TO STA. 0+50

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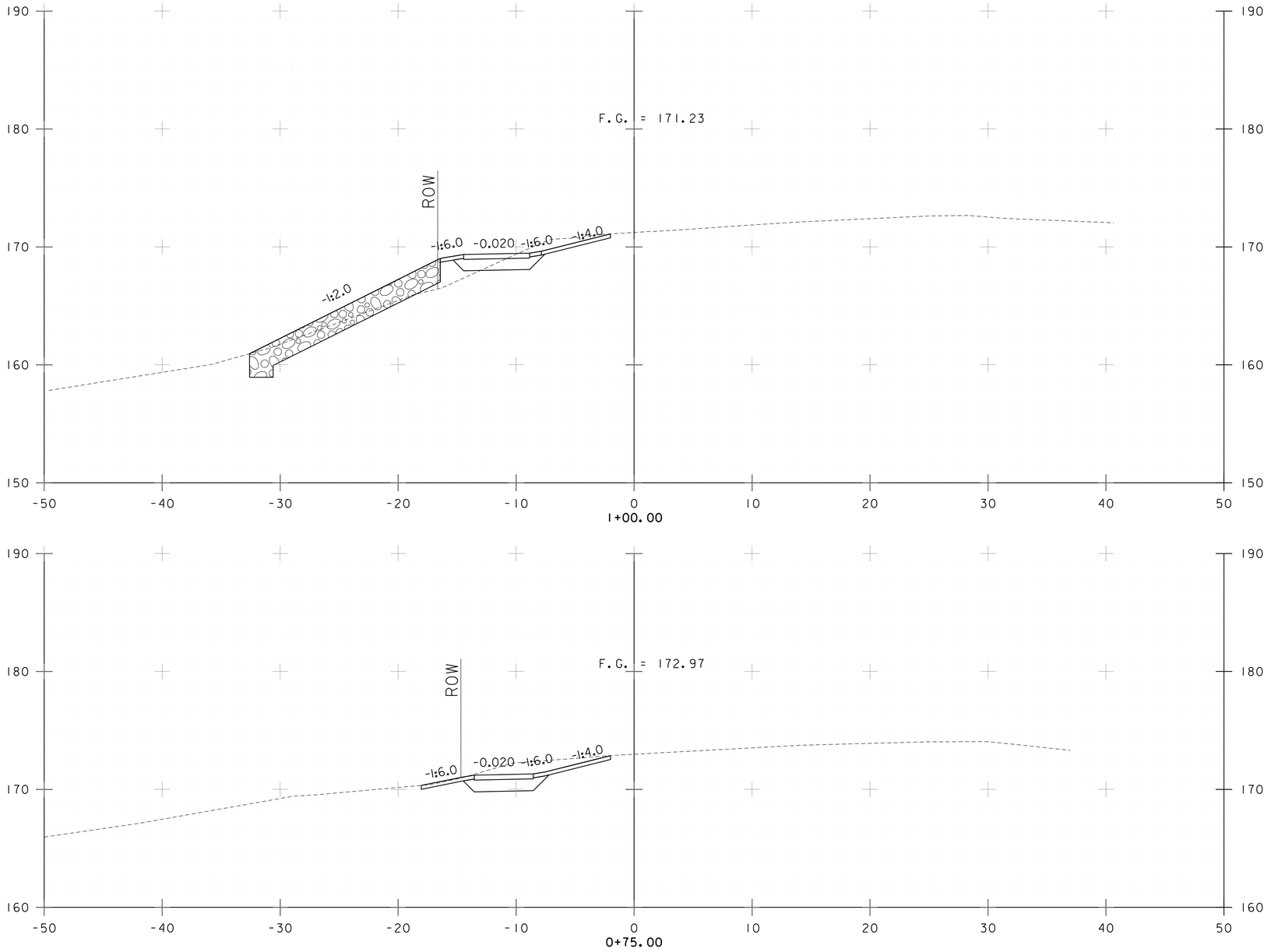
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 1	SHEET 7 OF 16



STA. 0+75 TO STA. 1+00

Stantec

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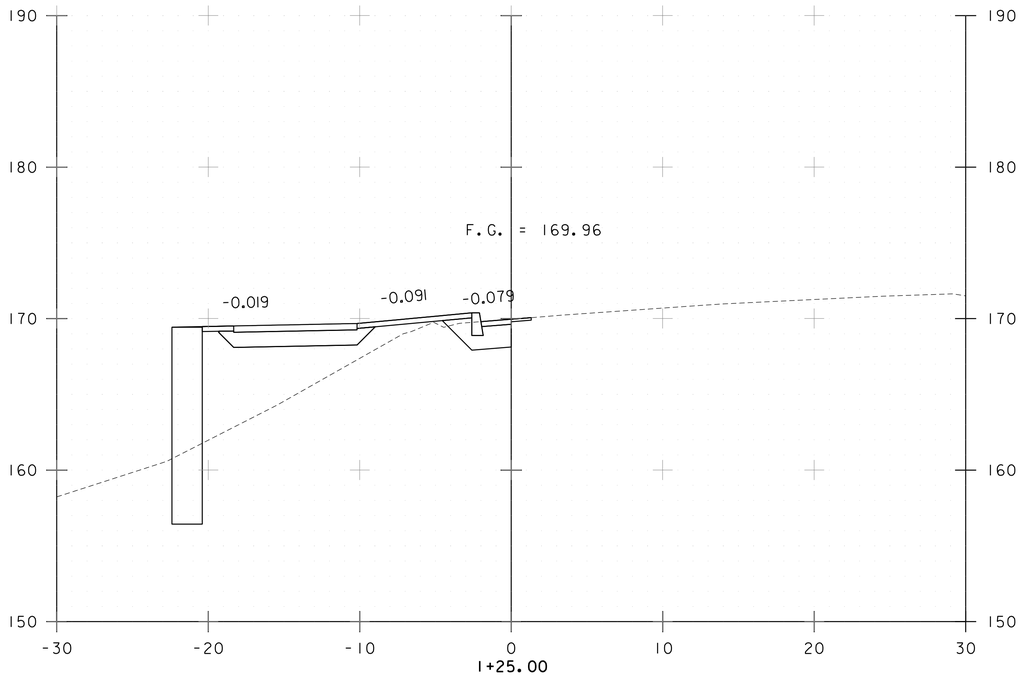
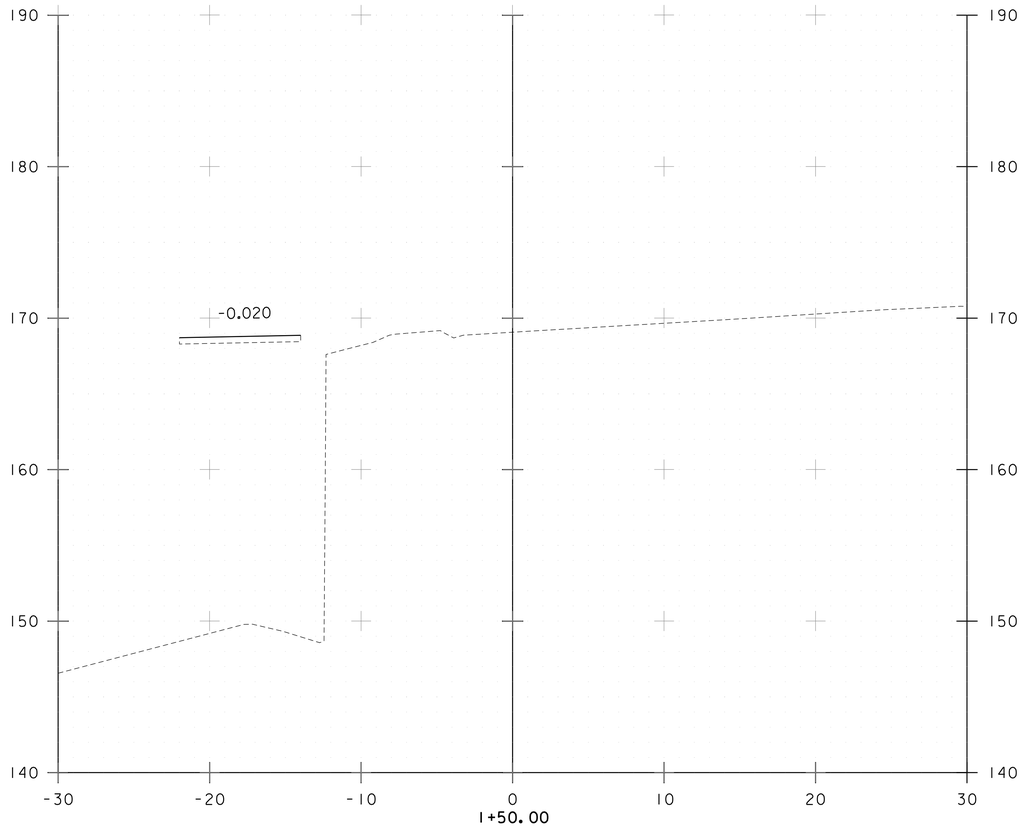
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 2	SHEET 8 OF 16





STA. 1+25 TO STA. 1+50

Stantec

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PROJECT NUMBER:	STP BP18(3)

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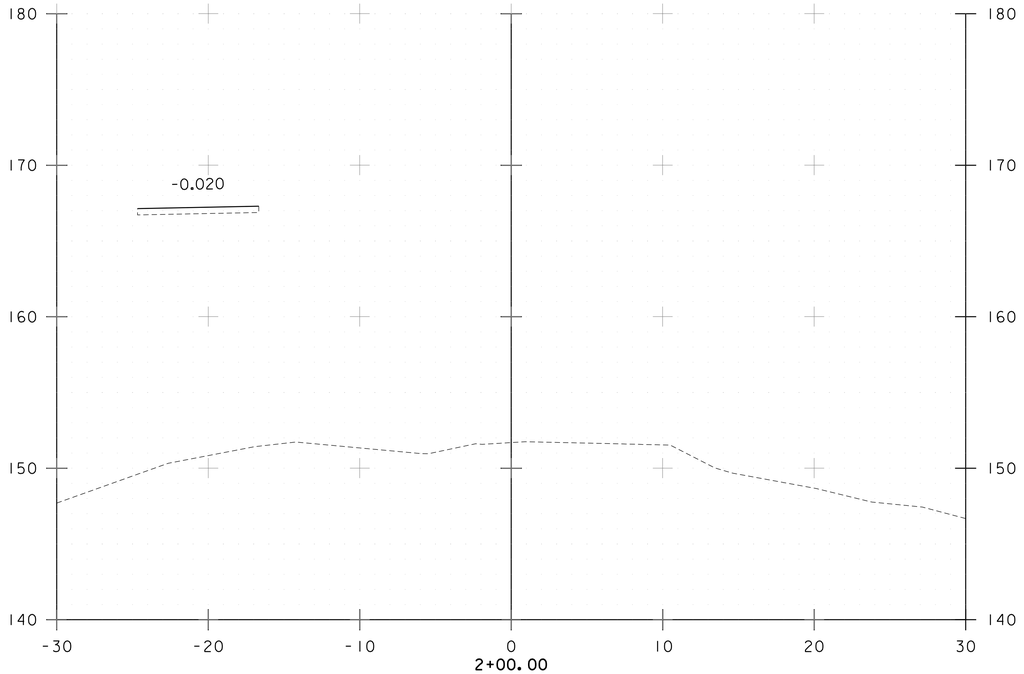
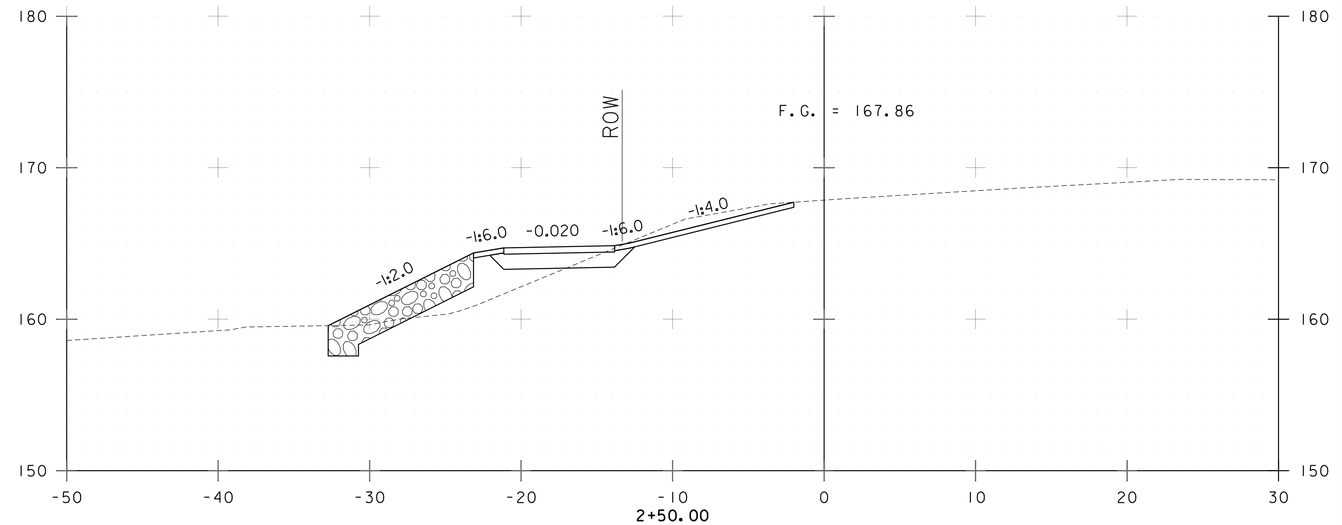
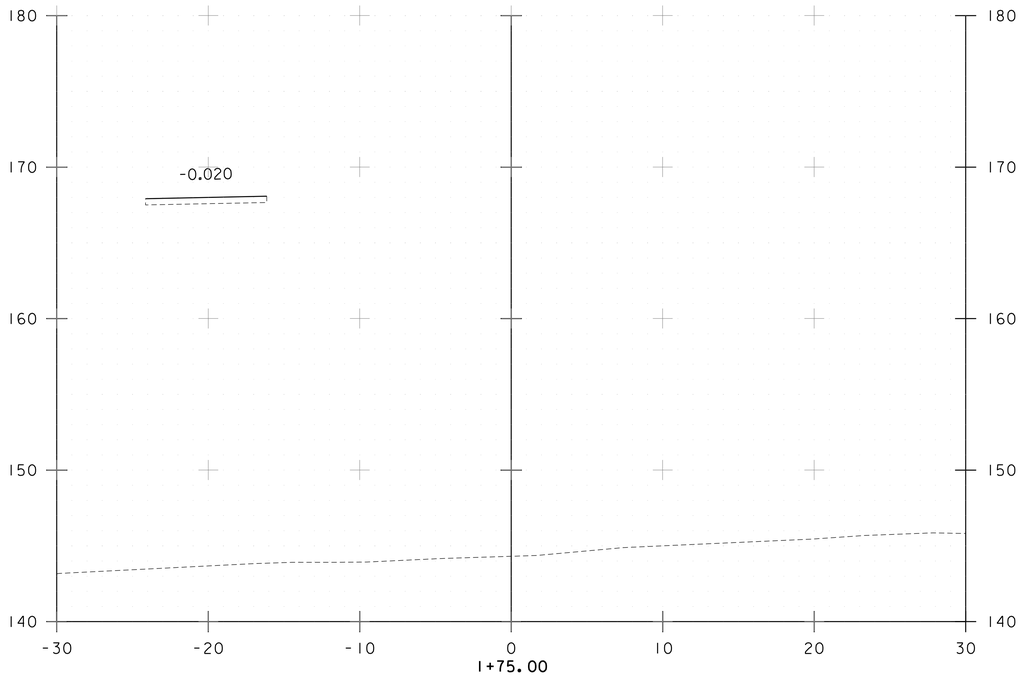
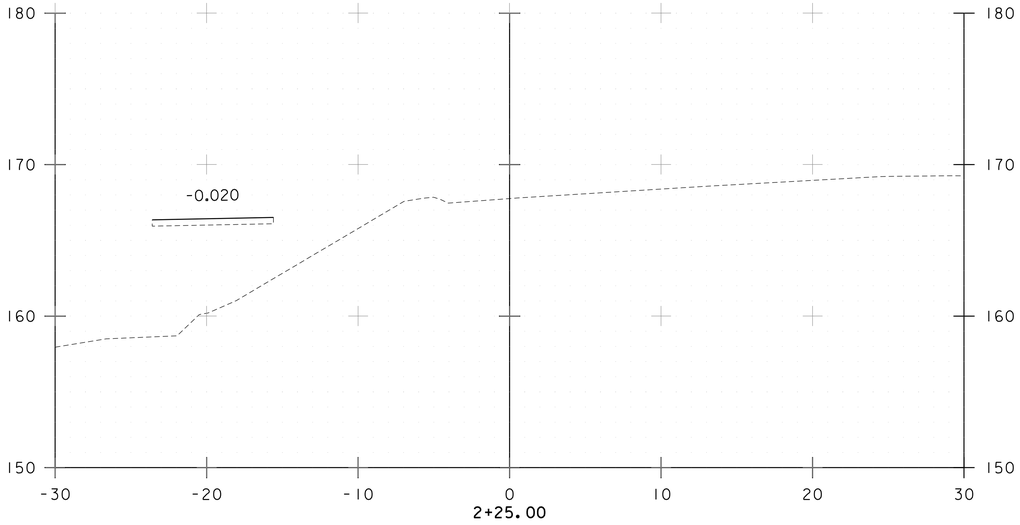
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 3	SHEET 9 OF 16





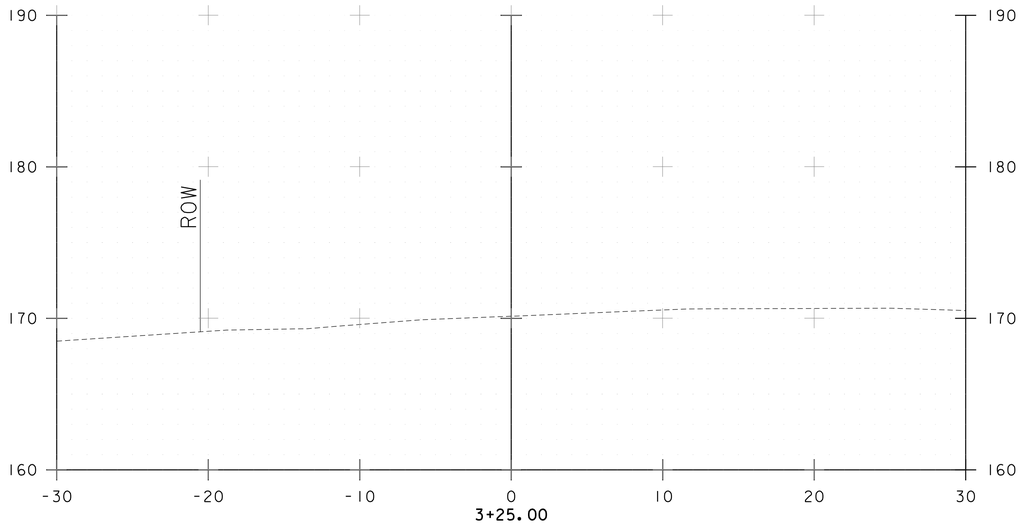


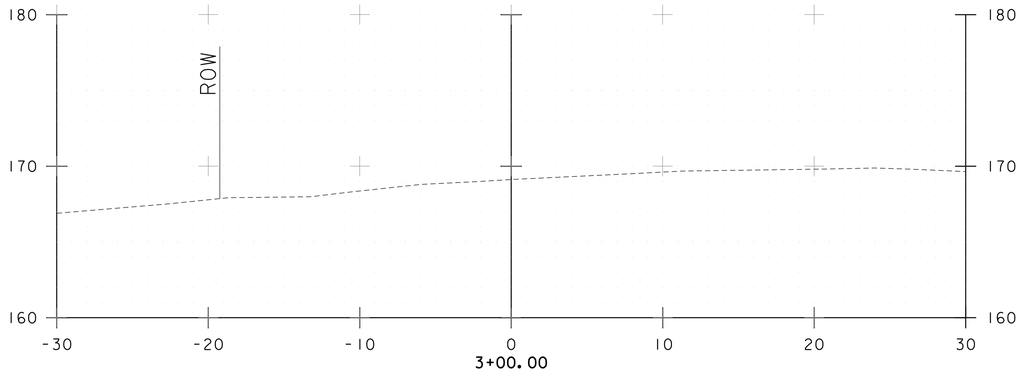


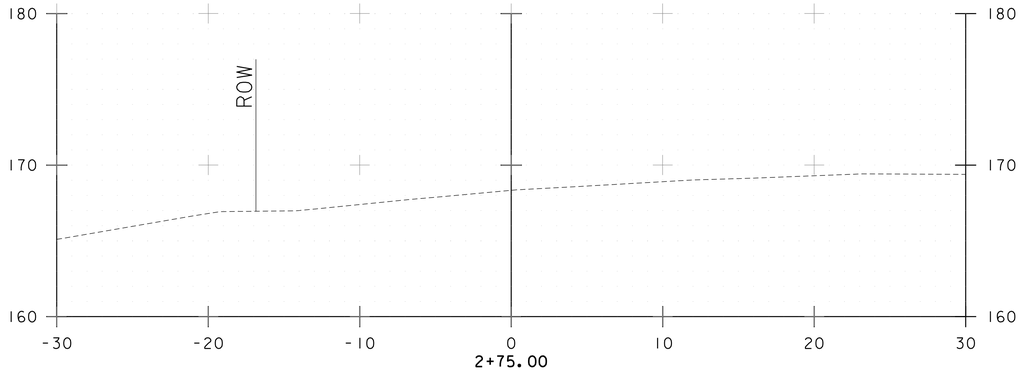
STA. 1+75 TO STA. 2+50

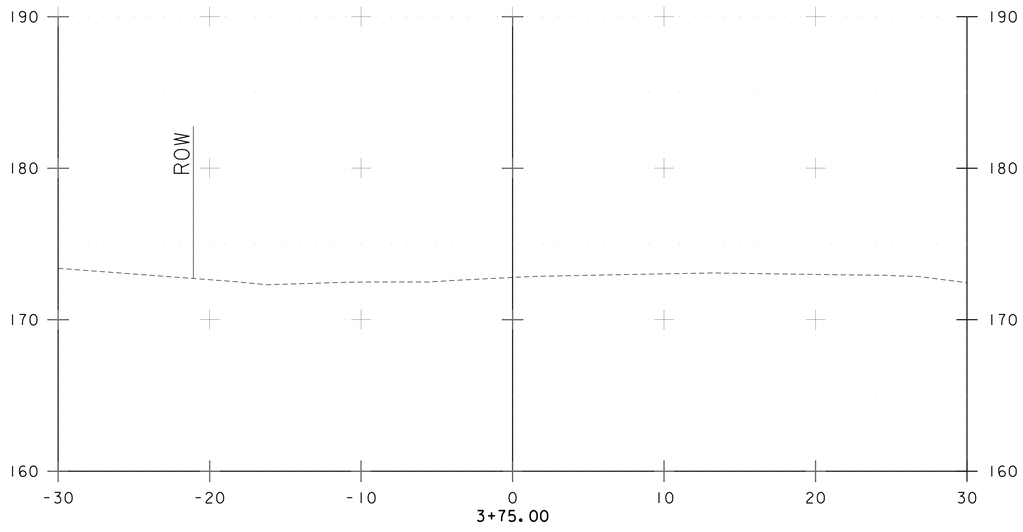
Stantec

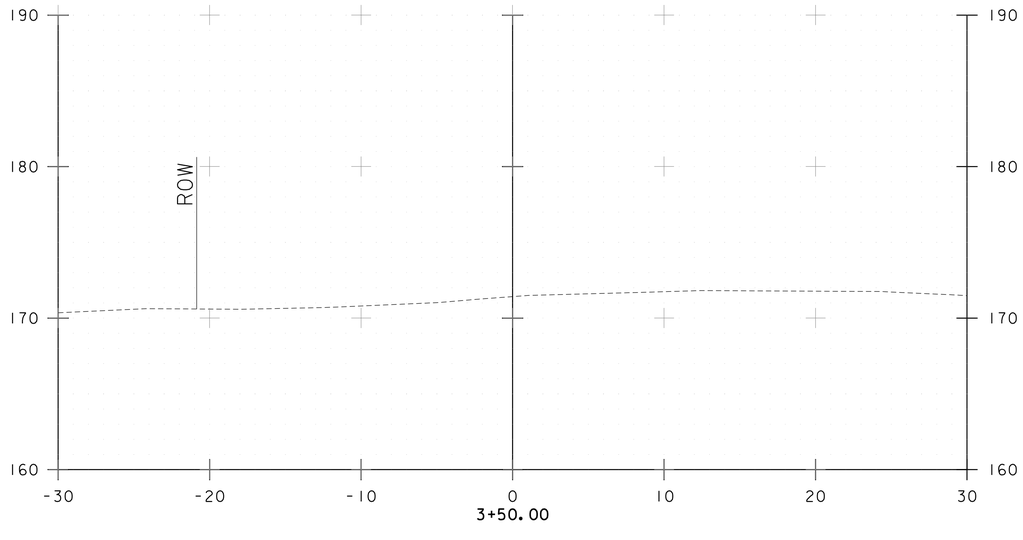
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BP18(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 4	SHEET 10 OF 16







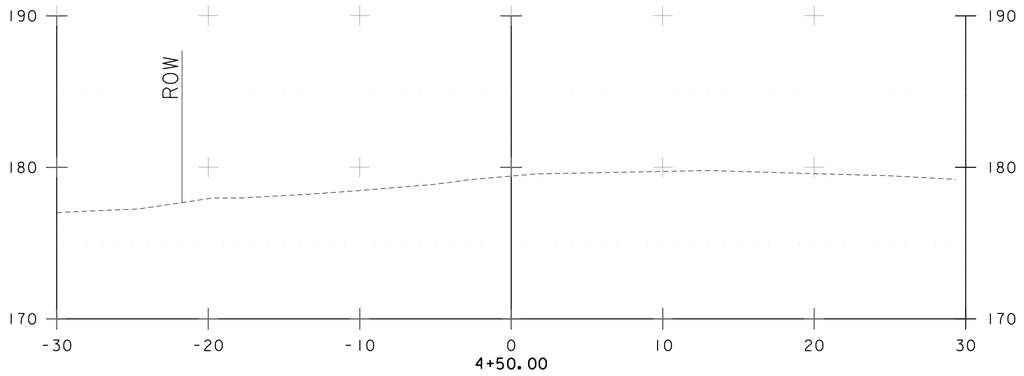


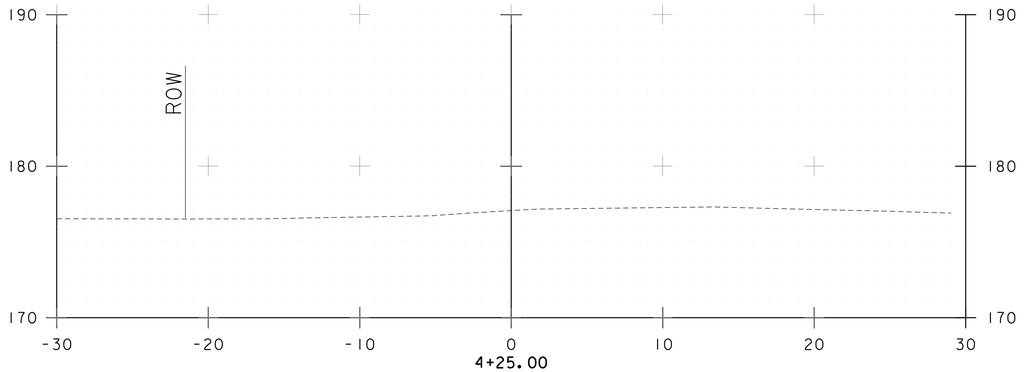


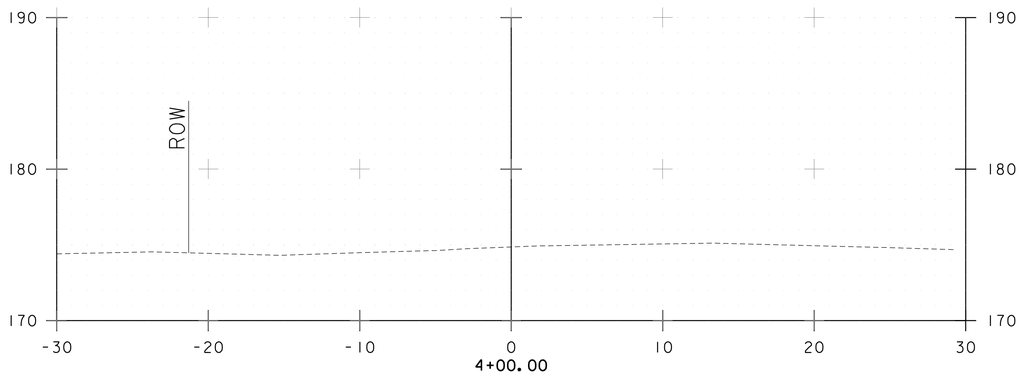
STA. 2+75 TO STA. 3+75

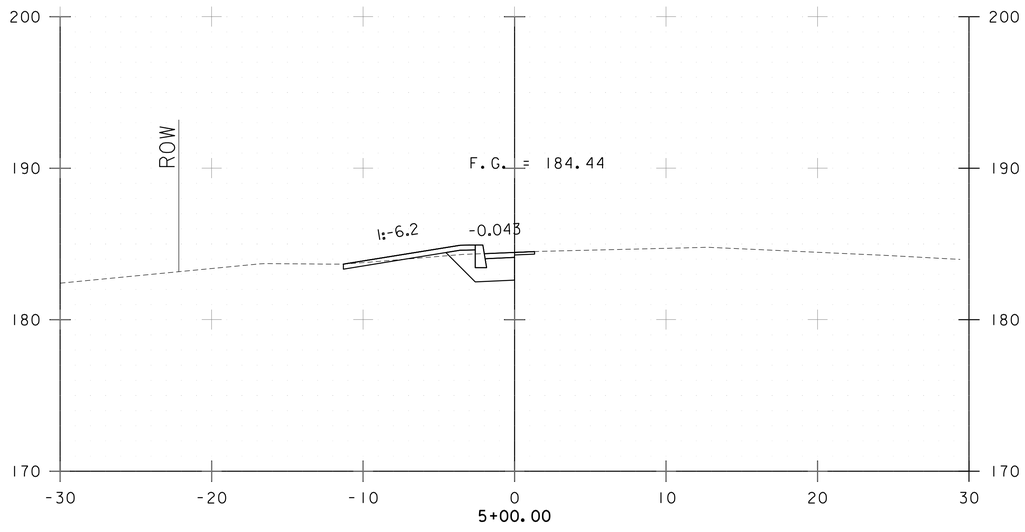
Stantec

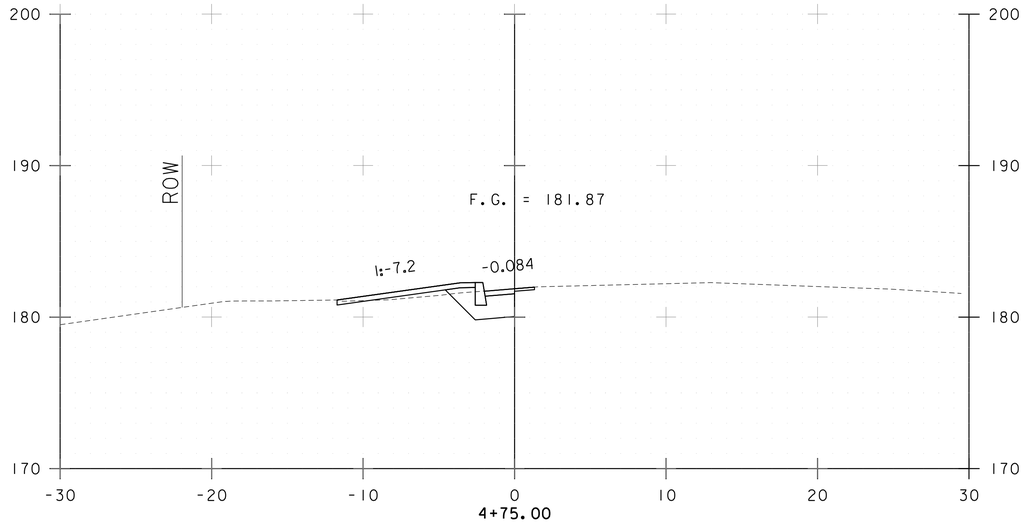
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 5	SHEET 11 OF 16







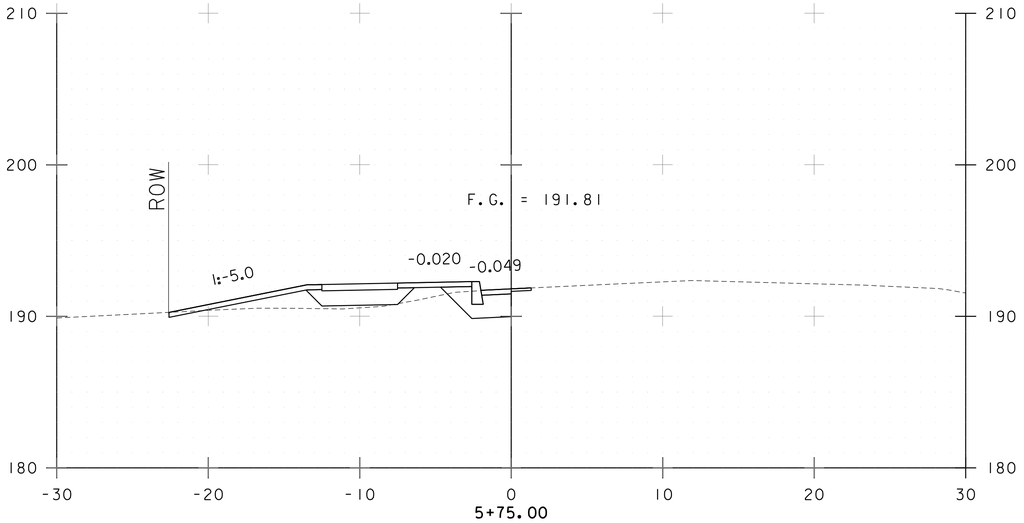




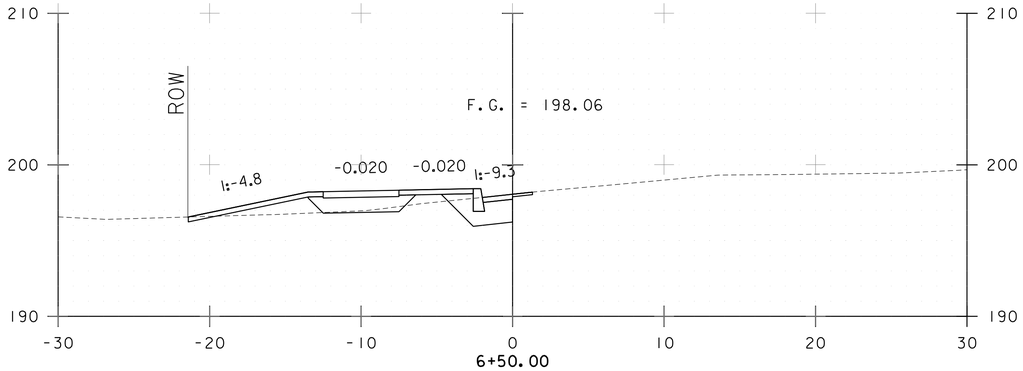
STA. 4+00 TO STA. 5+00

Stantec

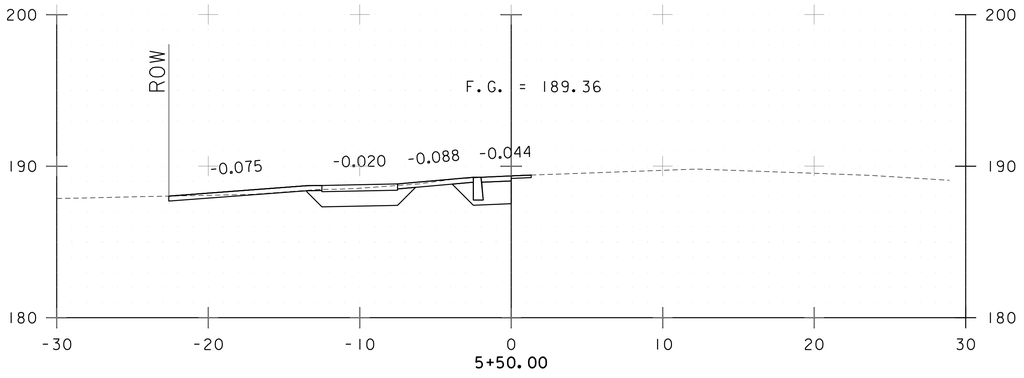
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 6	SHEET 12 OF 16



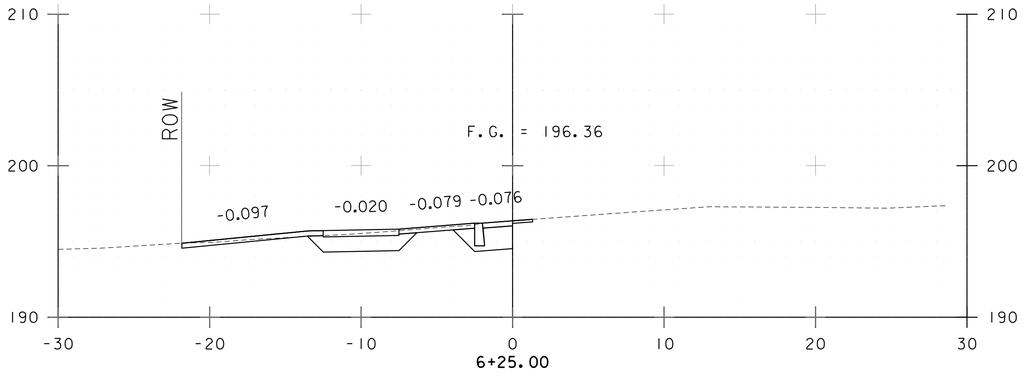
5+75.00



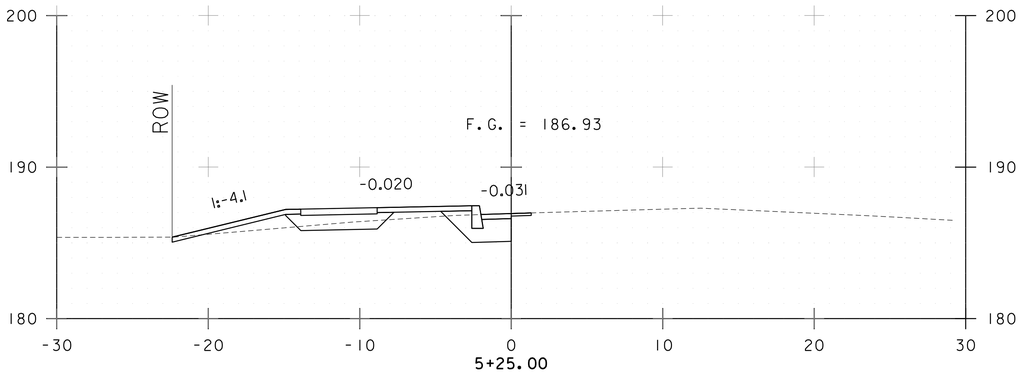
6+50.00



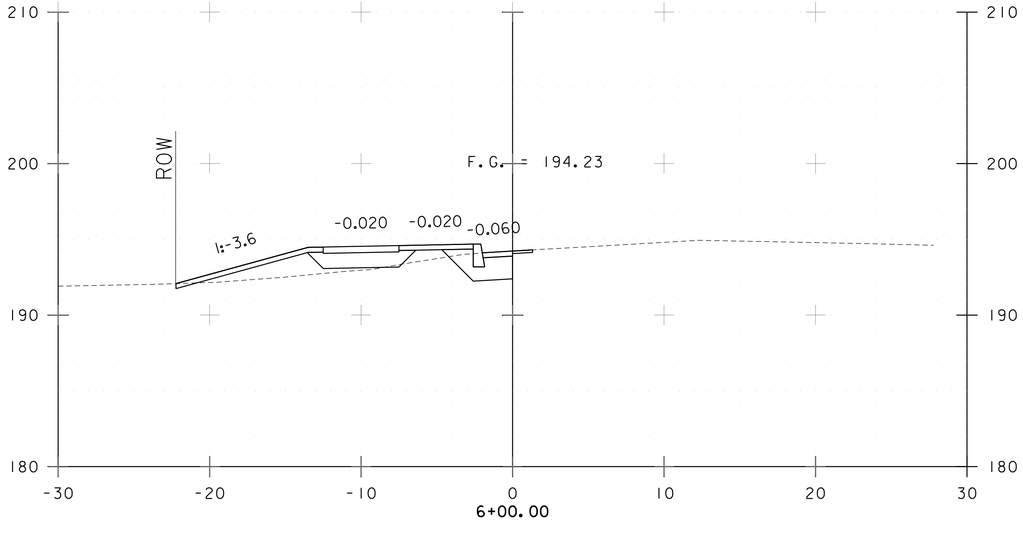
5+50.00



6+25.00



5+25.00

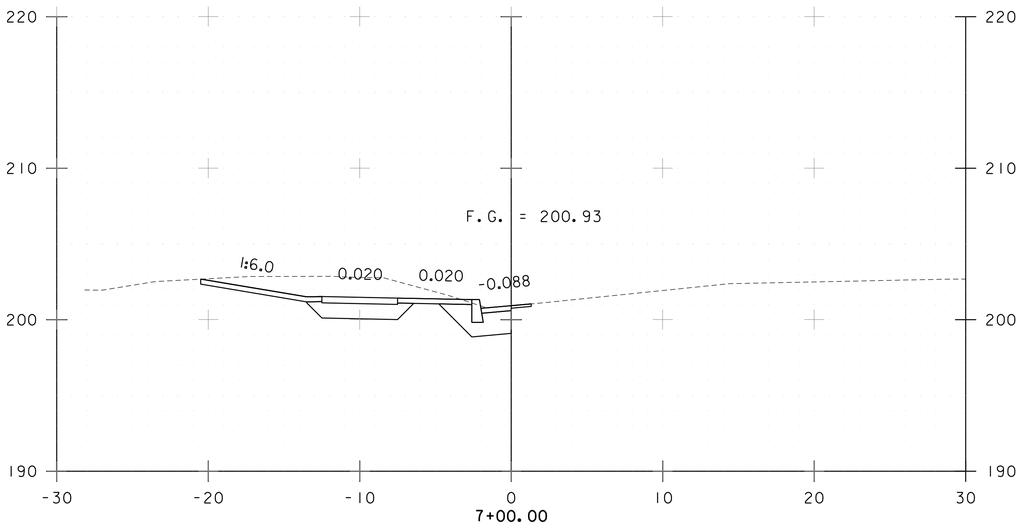


6+00.00

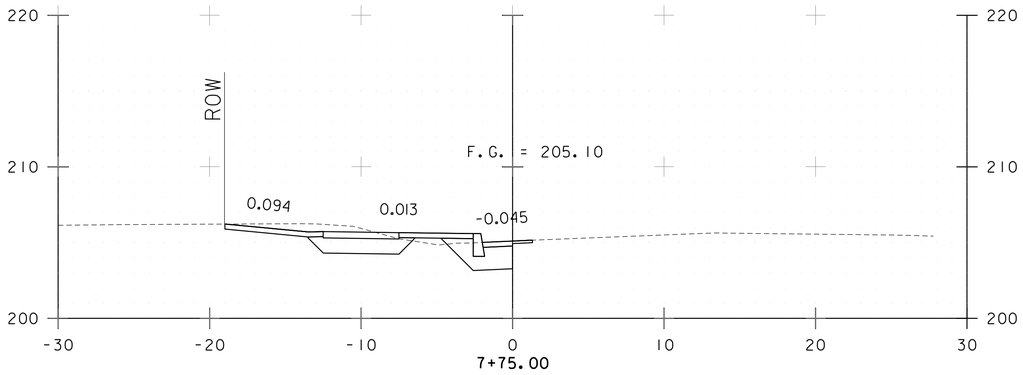
STA. 5+25 TO STA. 6+50

Stantec

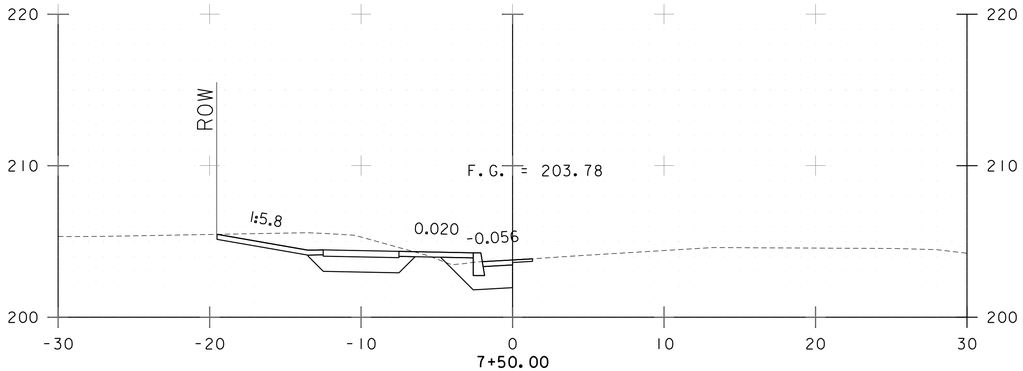
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 7	SHEET 13 OF 16



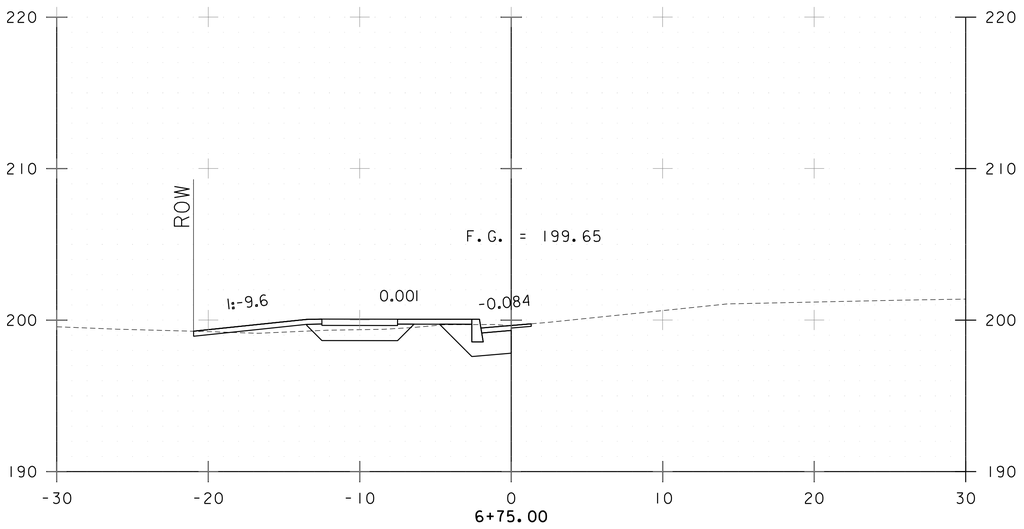
7+00.00



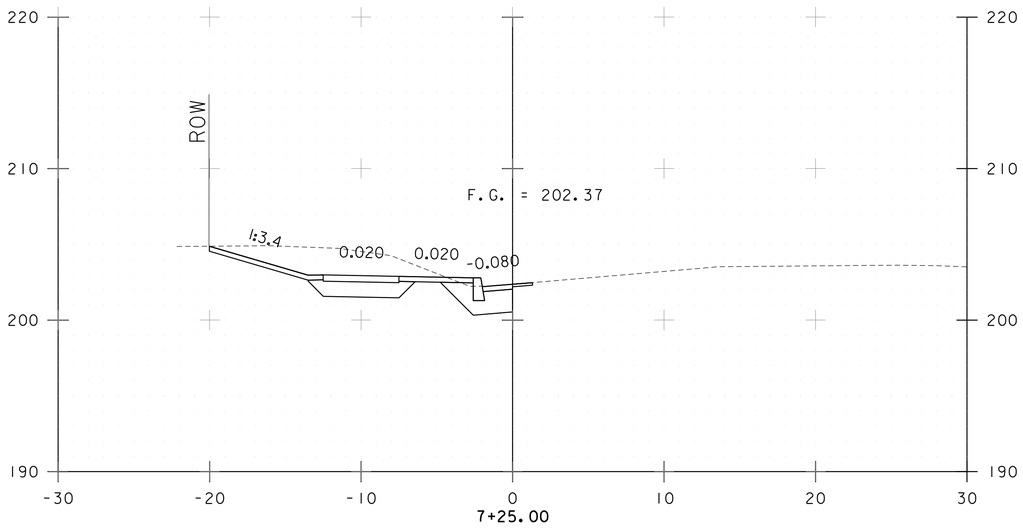
7+75.00



7+50.00



6+75.00

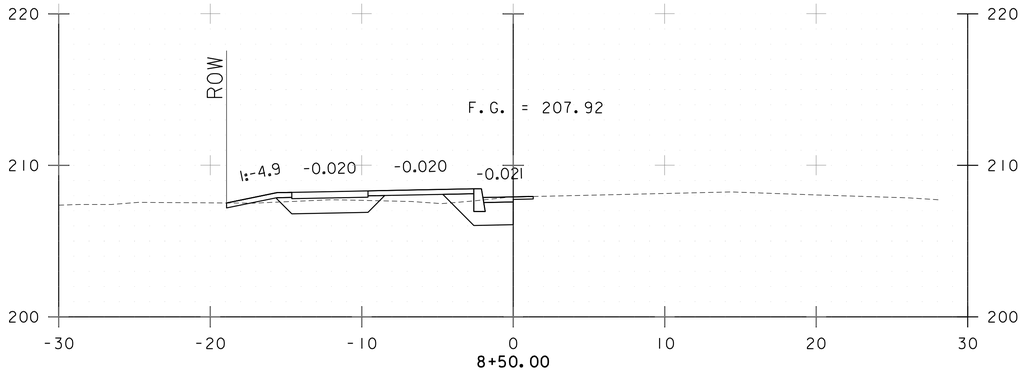


7+25.00

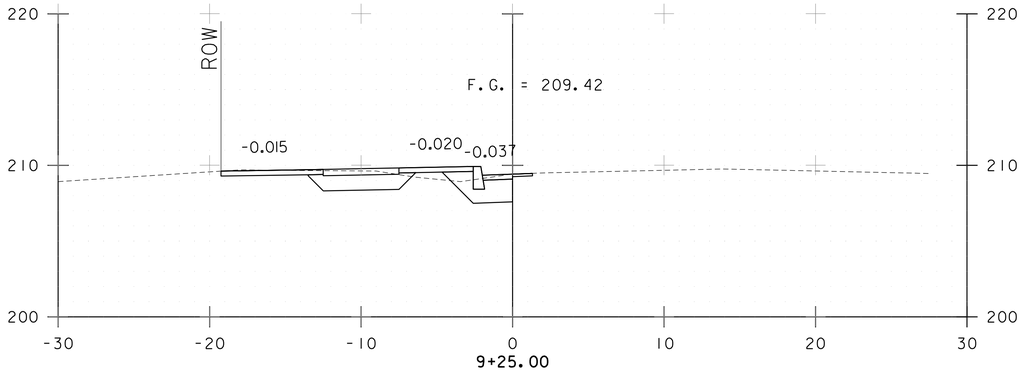
STA. 6+75 TO STA. 7+75

Stantec

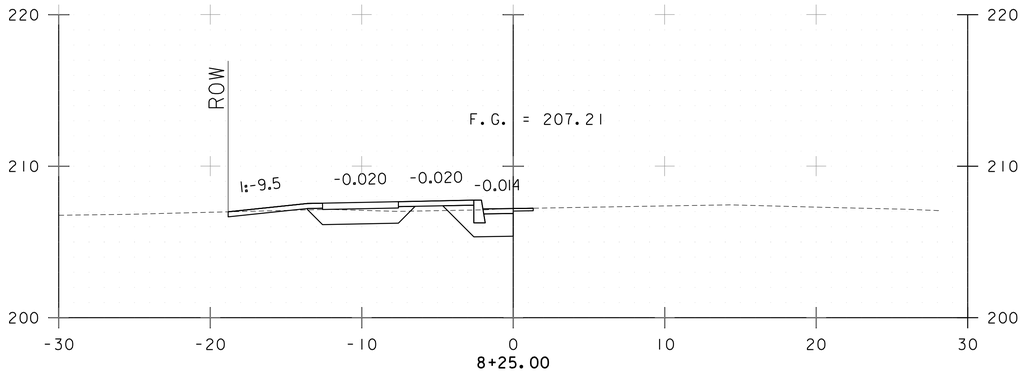
PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 8	SHEET 14 OF 16



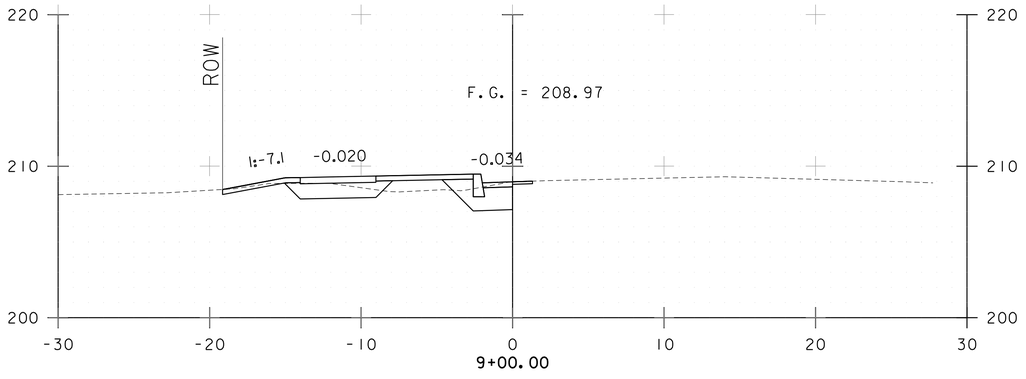
8+50.00



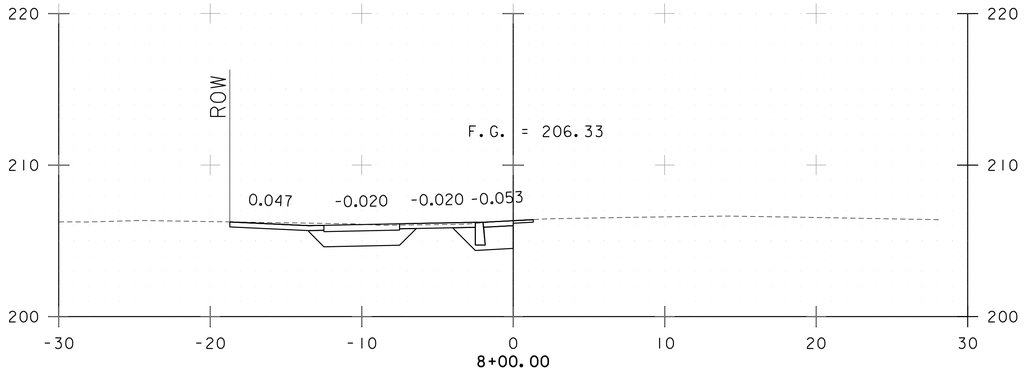
9+25.00



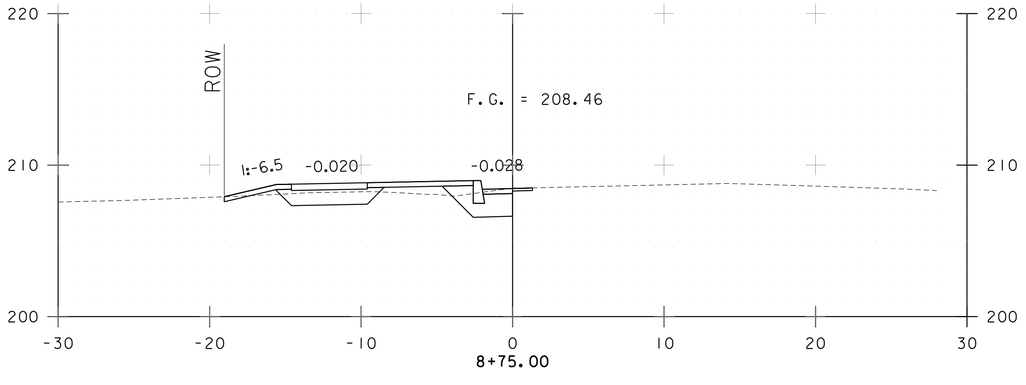
8+25.00



9+00.00



8+00.00

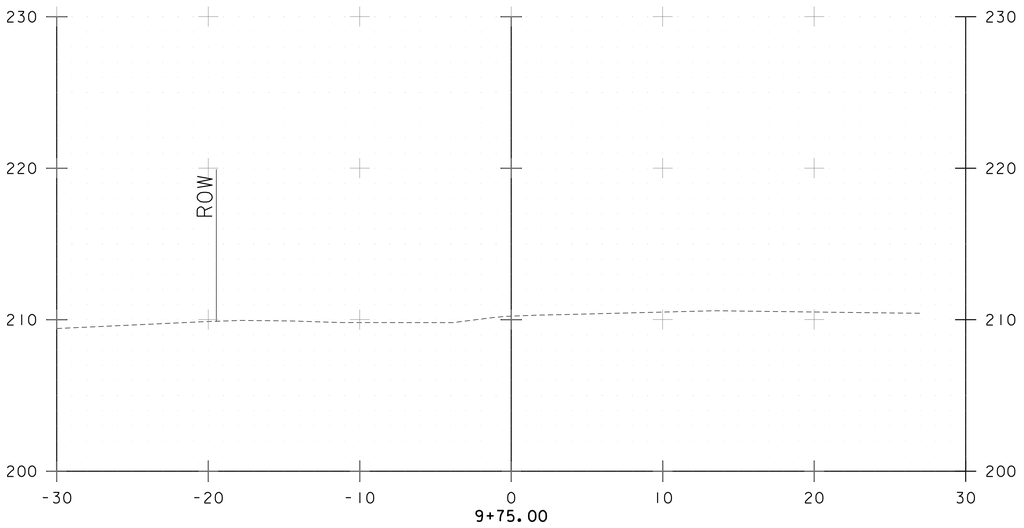


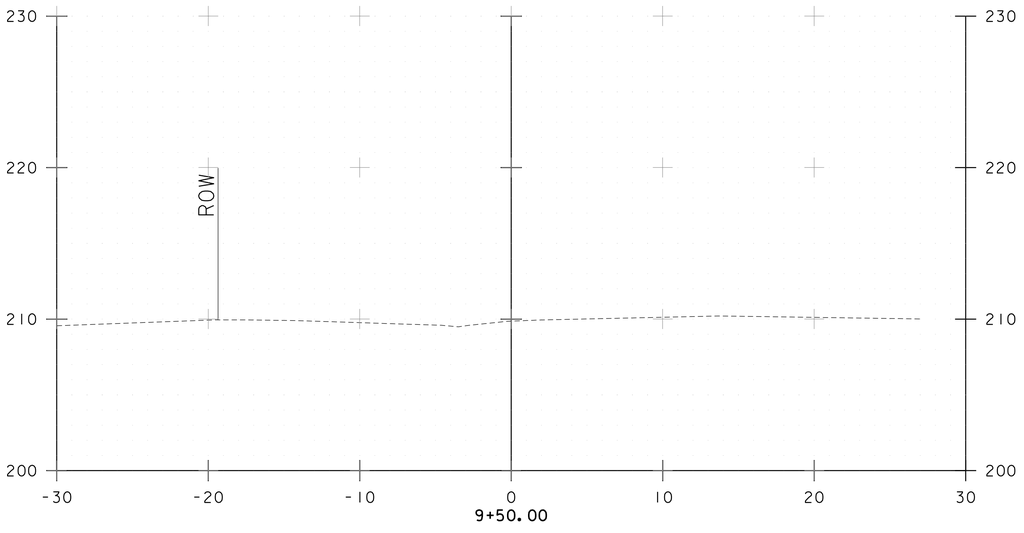
8+75.00

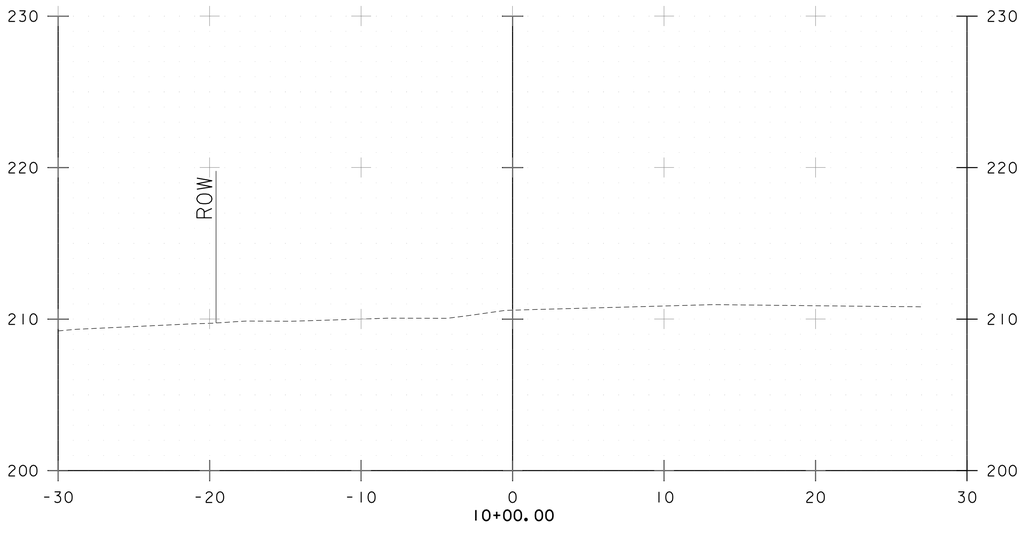
STA. 8+00 TO STA. 9+25

Stantec

PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)
FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 9	SHEET 15 OF 16







STA. 9+50 TO STA. 10+00

Stantec

PROJECT NAME:	SHELBURNE
PROJECT NUMBER:	STP BPI8(3)

FILE NAME: 19f010xs.dgn	PLOT DATE: 2/28/2020
PROJECT LEADER: E. ALLING	DRAWN BY: S. NEELY
DESIGNED BY: S. NEELY	CHECKED BY: E. ALLING
CROSS SECTION SHEET 10	SHEET 16 OF 16

Stantec

55 Green Mountain Drive
South Burlington, VT 05403
Tel: (802) 864-0223

Quantity Summary

SHELBURNE

STP BP18(3)

IRISH HILL ROAD SIDEWALK AND PEDESTRIAN BRIDGE

	Initials	Date
Calc'd By:	CJW	2/11/2020
Checked By:	ENA	2/11/2020
Revised By:	CJW	2/28/2020
Checked By:	ENA	2/28/2020

seems low

Item No.	Item Description	Unit	Unit Price	Quantity	$
201.10	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	LS	$15,000.00	1	$15,000.00
203.15	COMMON EXCAVATION	CY	$20.00	290	$5,800.00
204.20	TRENCH EXCAVATION OF EARTH	CY	$30.00	280	$8,400.00
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	CY	$40.00	230	$9,200.00
406.38	HAND-PLACED BITUMINOUS CONCRETE PAVEMENT, DRIVES	SY	$25.00	325	$8,125.00
601.2615	18" CPEP(SL)	LF	$78.00	190	$14,820.00
604.20	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE	EACH	$3,800.00	3	$11,400.00
613.11	STONE FILL, TYPE II	CY	$45.00	6	$270.00
616.28	CAST-IN-PLACE CONCRETE CURB, TYPE B	LF	$32.00	440	$14,080.00
618.15	BITUMINOUS CONCRETE SIDEWALK	TON	$400.00	40	$16,000.00
630.15	FLAGGERS	HR	$35.00	1000	$35,000.00
635.11	MOBILIZATION/DEMOBILIZATION	LS	$38,607.60	1	$38,607.60
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE	LS	$10,000.00	1	$10,000.00
651.35	TOPSOIL	CY	$36.00	125	$4,500.00
900.645	SPECIAL PROVISION LANDSCAPING	LS	$5,000.00	1	$5,000.00
900.645	SPECIAL PROVISION Bridge Timber Deck	LS	$115,000.00	1	$115,000.00
900.645	SPECIAL PROVISION Bridge Erection	LS	$60,000.00	1	$60,000.00
900.645	SPECIAL PROVISION Bridge Substructure	LS	$80,000.00	1	$80,000.00
900.645	SPECIAL PROVISION Bridge Retaining Walls	LS	$45,000.00	1	$45,000.00
900.645	SPECIAL PROVISION Bridge Excavation and Backfill	LS	$25,000.00	1	$25,000.00

TC Plan?

Sub Total	$521,203
Contingencies (25%)	$130,301
Total Opinion of Probable Construction Cost	$651,503

Seems odd how these bridge items are broken out. Usually, with a prefab bridge, the bridge itself is all one pay item and the abutments/retaining walls and their excavation are addressed separately. Why is the erection it's own pay item? Please revisit this.