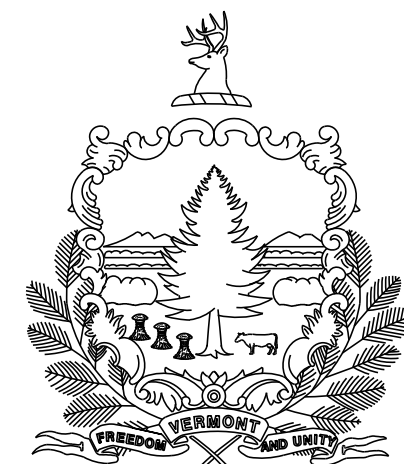


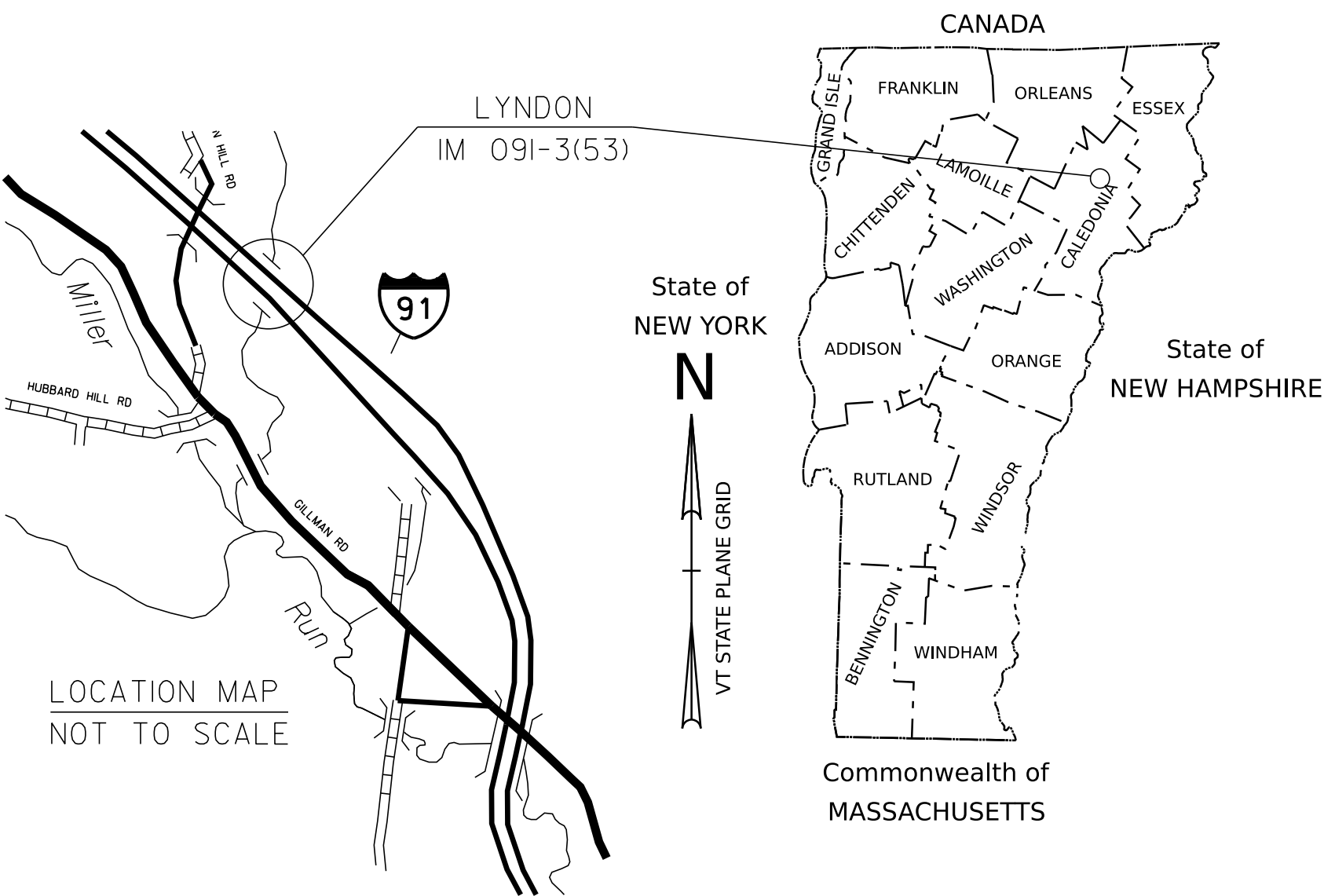
STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF LYNDON
COUNTY OF CALEDONIA

ROUTE: I-91 (PRINCIPAL ARTERIAL)
BRIDGE NOS: 96-3N AND 96-3S



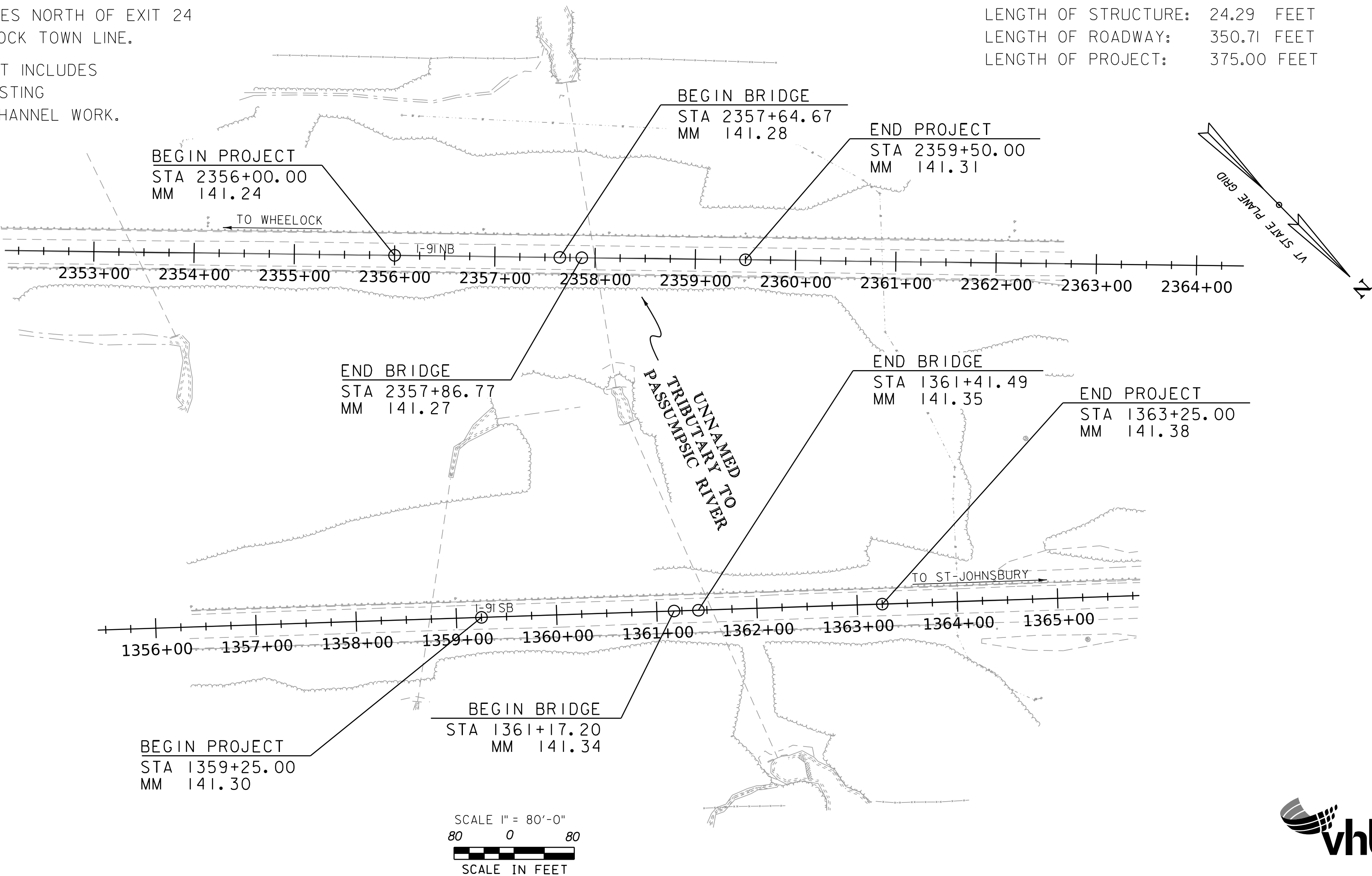
PROJECT LOCATION: LOCATED IN THE COUNTY OF CALEDONIA, TOWN OF LYNDON, ON I-91; CULVERT NOS. 96-3N AND 96-3S OVER AN UNNAMED TRIBUTARY TO THE PASSUMPSIC RIVER, APPROXIMATELY 1.1 MILES NORTH OF EXIT 24 AND 1.4 MILES SOUTH OF THE LYNDON/WHEELOCK TOWN LINE.

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT OF THE EXISTING CULVERTS WITH ASSOCIATED ROADWAY AND CHANNEL WORK.

96-3N: LENGTH OF STRUCTURE: 24.29 FEET
LENGTH OF ROADWAY: 350.71 FEET
LENGTH OF PROJECT: 375.00 FEET

96-3S: LENGTH OF STRUCTURE: 22.10 FEET
LENGTH OF ROADWAY: 302.9 FEET
LENGTH OF PROJECT: 325.0 FEET

TOTAL LENGTH OF PROJECT: 725 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 :	09/30/2022
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83 (2011)

DRAFT TECHNICAL CONCEPT
JUNE 2023

PROJECT MANAGER : MAHENDRA THILLIYAR, P.E.

PROJECT NAME : LYNDON
PROJECT NUMBER : IM 091-3(53)

SHEET 1 OF 40 SHEETS



INDEX OF SHEETS

1	TITLE
2	INDEX OF SHEETS
3	ROADWAY TYPICAL SECTION
4	TYPICAL BURIED STRUCTURE SECTION
5	CONVENTIONAL SYMBOLLOGY LEGEND
6	PROJECT PLAN KEY
7-9	INTERSTATE ALIGNMENT LAYOUT SHEETS I-3
10-11	LAYOUT SHEET I-2
12	I-91 NORTHBOUND PROFILE
13	I-91 SOUTHBOUND PROFILE
14	PLAN AND LONGITUDINAL SECTION
15	BORING LAYOUT SHEET
16-17	NB CROSSOVER ALIGNMENT SHEETS I-2
18-19	SB CROSSOVER ALIGNMENT SHEETS I-2
20	NB CROSSOVER PLAN KEY
21-23	NB CROSSOVER APPROACH SHEETS I-3
24-26	NB CROSSOVER EXIT SHEETS I-3
27	SB CROSSOVER PLAN KEY
28-30	SB CROSSOVER EXIT SHEETS I-3
31-33	SB CROSSOVER APPROACH SHEETS I-3
34	NB CROSSOVER - APPROACH PROFILES
35	NB CROSSOVER - EXIT PROFILES
36	NB CROSSOVER - ON-RAMP PROFILES
37-38	SB CROSSOVER - APPROACH PROFILE SHEETS I-2
39	SB CROSSOVER - EXIT PROFILES
40	SB CROSSOVER - OFF-RAMP PROFILE



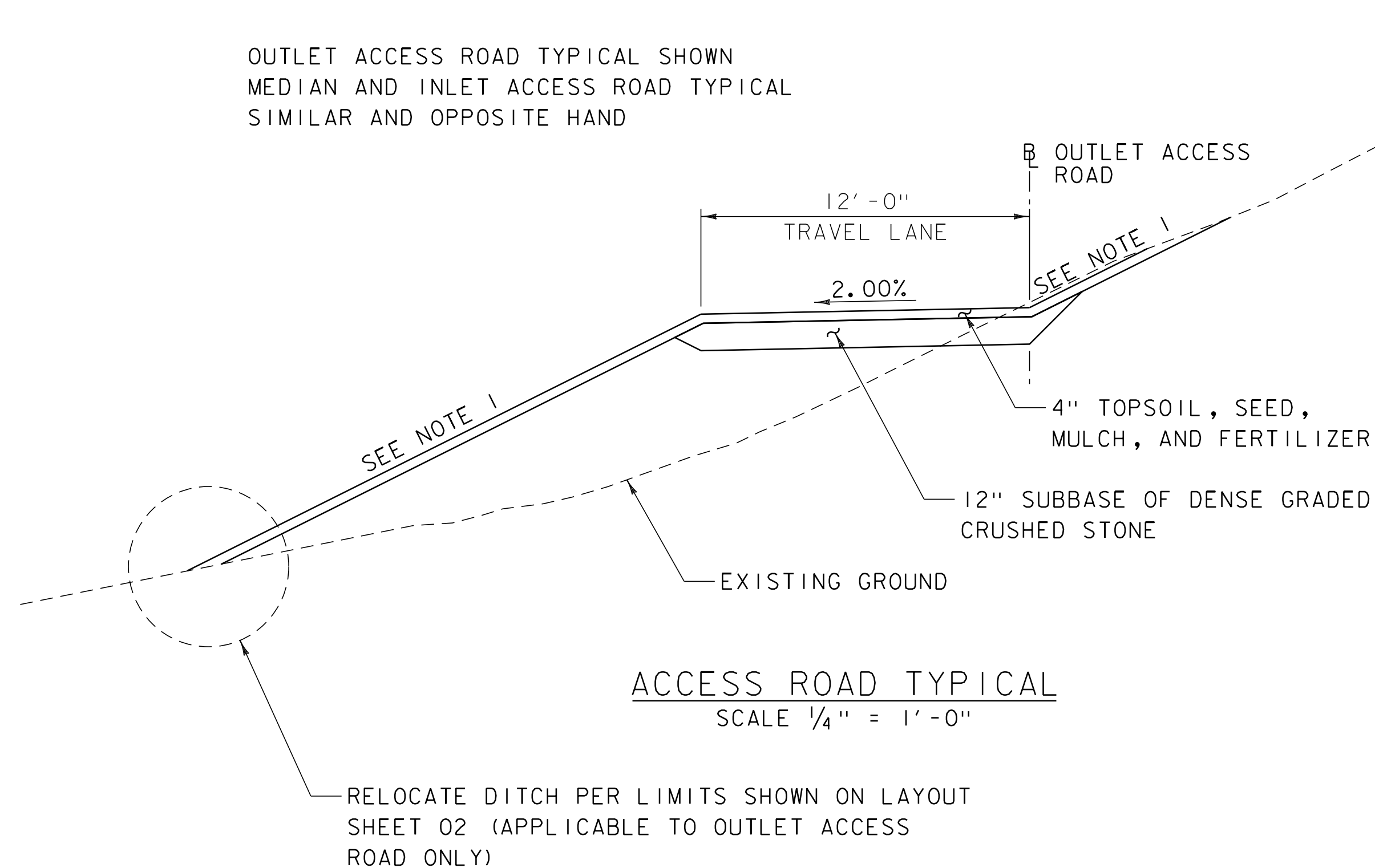
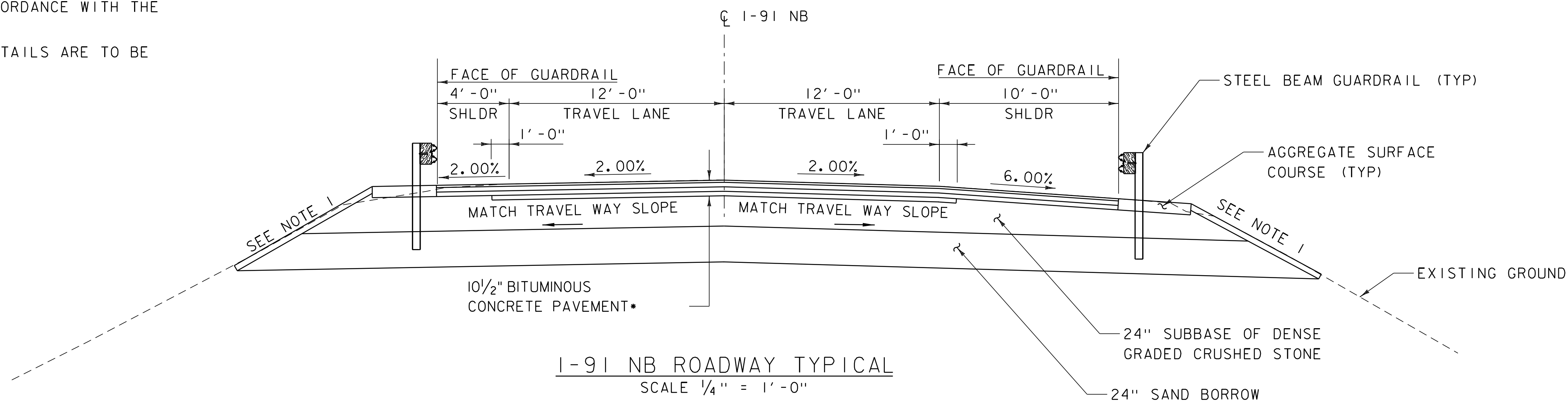
PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 091-3(53)	
FILE NAME: z19a189.plt.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: M.F. NEMETH
DESIGNED BY: M.F. NEMETH	CHECKED BY: K.C. BARRY
INDEX OF SHEETS	SHEET 2 OF 40

TYPICAL SECTIONS

1-91: * 1 1/2" BITUMINOUS CONCRETE PAVEMENT, TYPE IVS, QA TIER III
3" BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II
3" BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II
3" BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER II

NOTES:

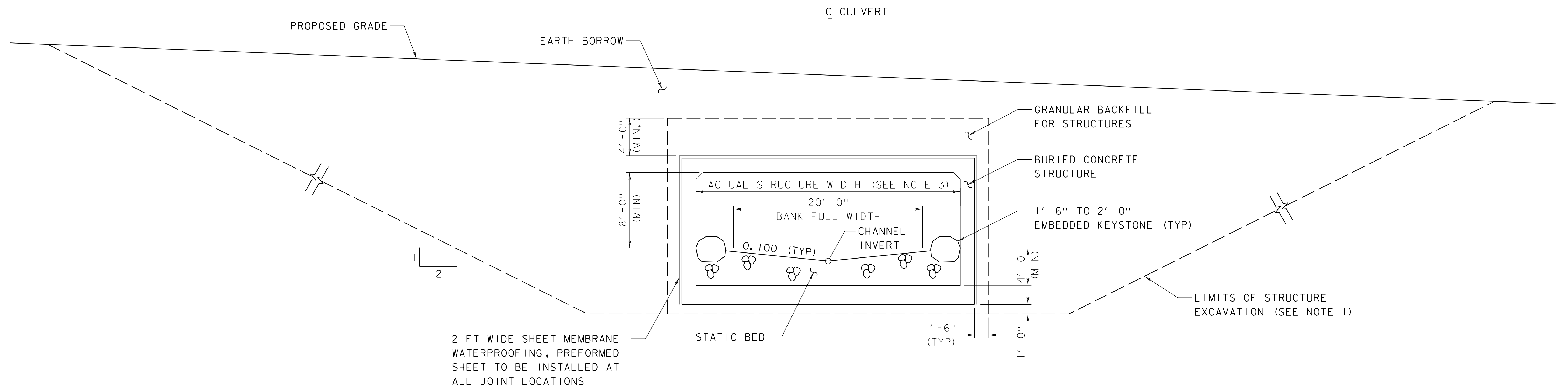
1. ALL SLOPES SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RFP.
2. THE LATEST HIGHWAY SAFETY DESIGN DETAILS ARE TO BE USED AS APPROPRIATE IN THE DESIGN.



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

FILE NAME: z19a189.typ.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
ROADWAY TYPICAL SECTION

PLOT DATE: 2-OCT-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 1 OF 1



* - ROADWAY AND SLOPE SURFACING MATERIALS NOT SHOWN FOR CLARITY

TYPICAL BURIED STRUCTURE SECTION

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

NOTES:

1. ACTUAL LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE DESIGN-BUILDER.
2. THE INSIDE VERTICAL CLEAR HEIGHT SHALL BE A MINIMUM OF 8'-0" AND THE BANK FULL WIDTH SHALL BE A MINIMUM OF 20'-0".
3. ACTUAL STRUCTURE WIDTH SHALL BE DETERMINED BY THE DESIGN-BUILDER BASED ON BEST PRACTICES FOR DESIGN AND ESTABLISHMENT OF NATURAL STREAM BED.
4. ALL DIMENSIONS NOT SHOWN SHALL BE DESIGNED BY THE DESIGN-BUILDER FOR VTRANS APPROVAL.

PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

FILE NAME: z19a189.typ.culv.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: N.A. TRUSLOW
TYPICAL BURIED STRUCTURE SECTION

PLOT DATE: 23-JUN-2023
DRAWN BY: N.A. TRUSLOW
CHECKED BY: K.C. BARRY
SHEET 4 OF 40



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
■	BDNS	BOUND SET
▣	BDNS	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 — x — x — x — BF — x — x —	BARRIER FENCE
xxxxxxxxxxxxxxxxxxxxxxxx	TREE PROTECTION ZONE (TPZ)
//////////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLGY

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

EPSC LAYOUT PLAN SYMBOLGY

EPSC MEASURES

ONNOONNOONNO	FILTER CURTAIN
— ○ — ○ — ○ — ○ —	SILT FENCE
— x — x — x — x —	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

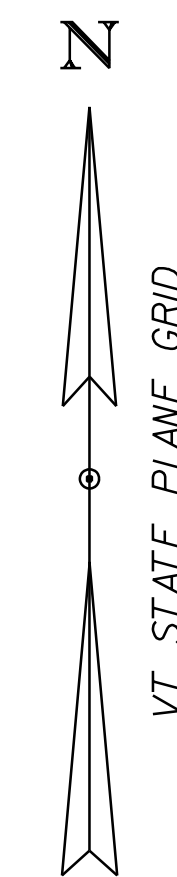
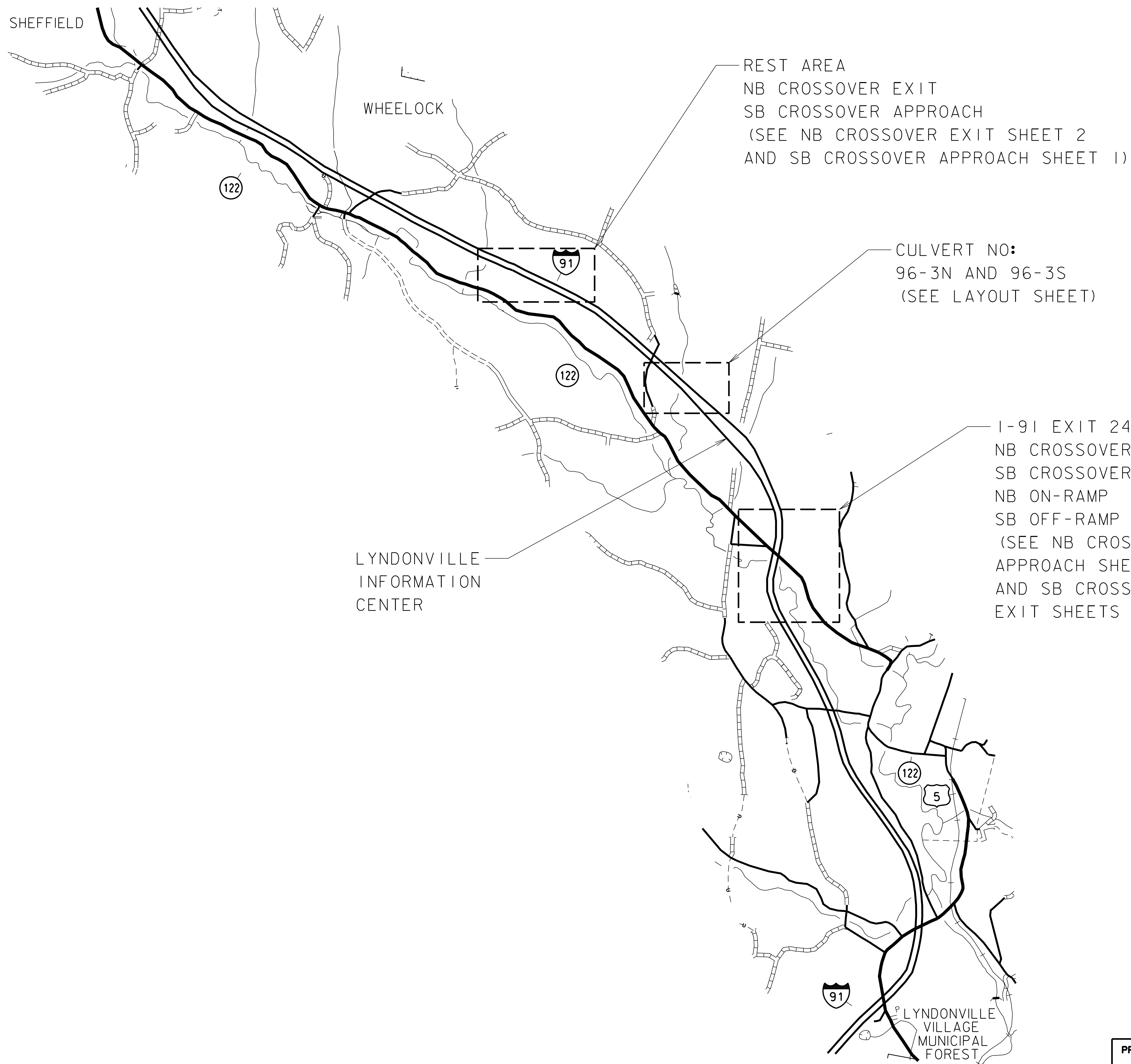
CONVENTIONAL TOPOGRAPHIC SYMBOLGY

EXISTING FEATURES

-----	ROAD EDGE PAVEMENT
-----	ROAD EDGE GRAVEL
-----	DRIVEWAY EDGE
-----	DITCH
-----	FOUNDATION
x — x — x — 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:	LYNDON
PROJECT NUMBER:	IM 09I-3(53)
FILE NAME:	zI9al89.legend.dgn
PROJECT LEADER:	A.P. GUYETTE
DESIGNED BY:	VTRANS
CONVENTIONAL SYMBOLGY LEGEND	
PLOT DATE:	23-JUN-2023
DRAWN BY:	M.F. NEMETH
CHECKED BY:	N.A. TRUSLOW
SHEET	5 OF 40





0 1000 2000
SCALE IN FEET

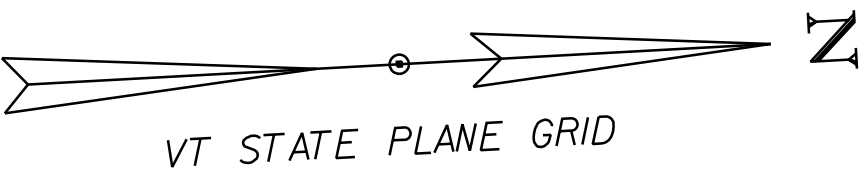


PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)
FILE NAME: z19a189_plankey_site.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
PROJECT PLAN KEY

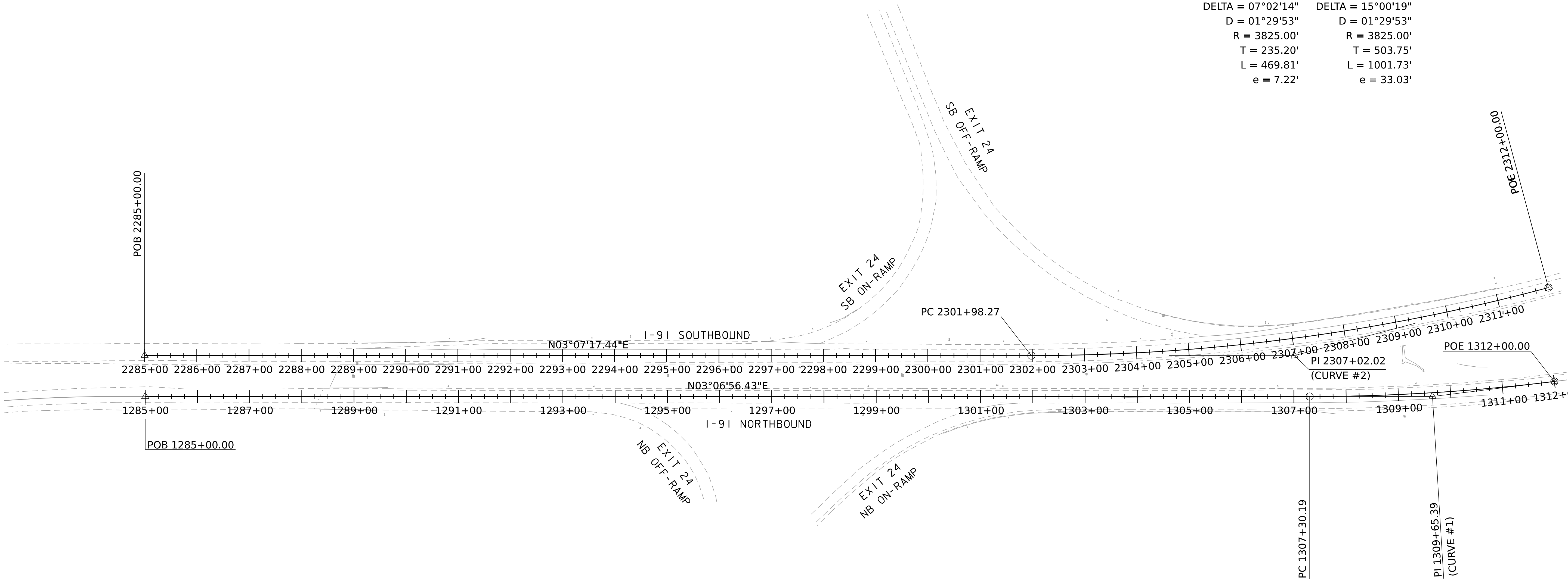
PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 6 OF 40

I-91 NORTHBOUND			
POINT	STATION	NORTHING	EASTING
POB	1285+00.00	748471.19	1763263.61
PC	1307+30.19	750698.09	1763384.86
PI	1309+65.39	750932.94	1763397.61
PT	1312+00.00	751167.59	1763381.53

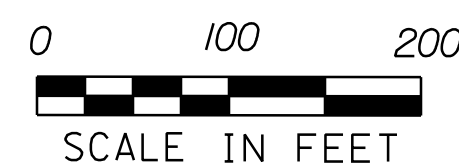
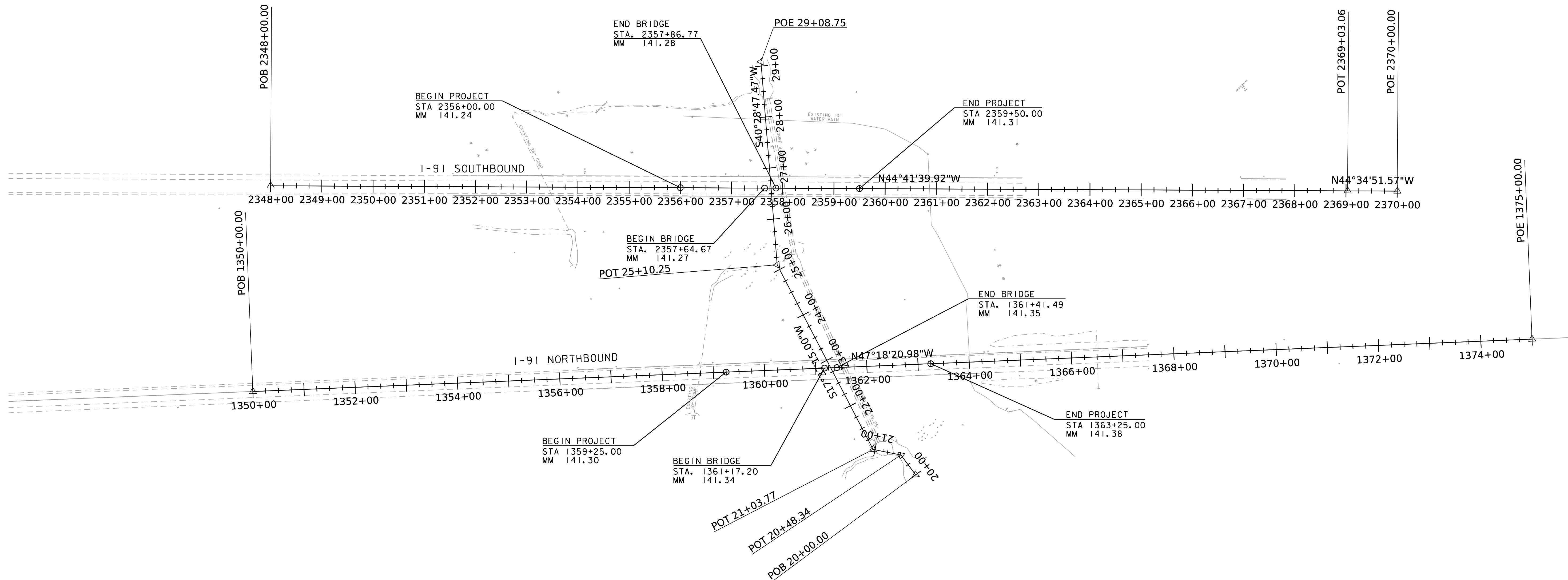
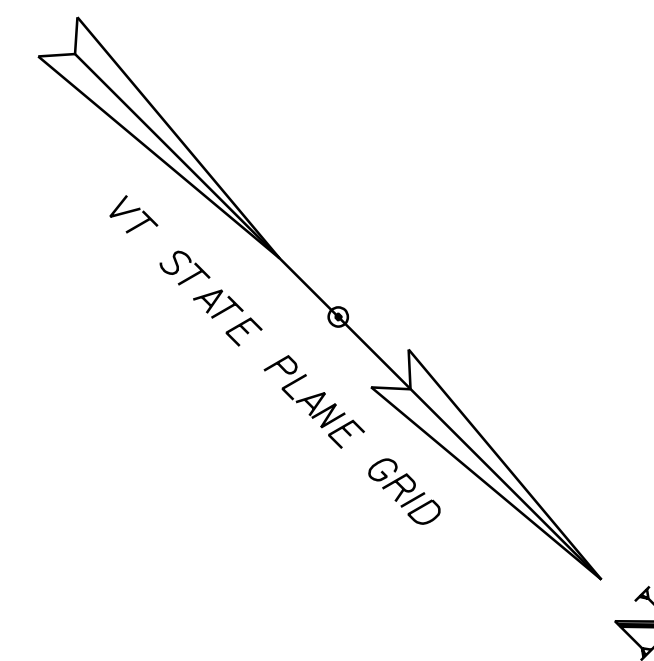
I-91 SOUTHBOUND			
POINT	STATION	NORTHING	EASTING
POB	1285+00.00	748474.31	1763185.13
PC	1301+98.27	750170.05	1763277.60
PI	1307+02.02	750673.05	1763305.03
PT	1312+00.00	751166.01	1763201.30



CURVE (1)	CURVE (2)
DELTA = 07°02'14"	DELTA = 15°00'19"
D = 01°29'53"	D = 01°29'53"
R = 3825.00'	R = 3825.00'
T = 235.20'	T = 503.75'
L = 469.81'	L = 1001.73'
e = 7.22'	e = 33.03'



PROJECT NAME:	LYNDON	FILE NAME:	z19a180_bdr_al1.dgn	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	PROJECT LEADER:	A.P. GUYETTE	DRAWN BY:	T.D. BURT
		DESIGNED BY:	T.D. BURT	CHECKED BY:	J.D. BACHIOCHI
INTERSTATE ALIGNMENT LAYOUT SHEET I				SHEET	7 OF 40

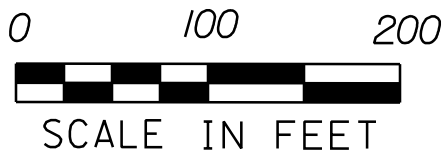
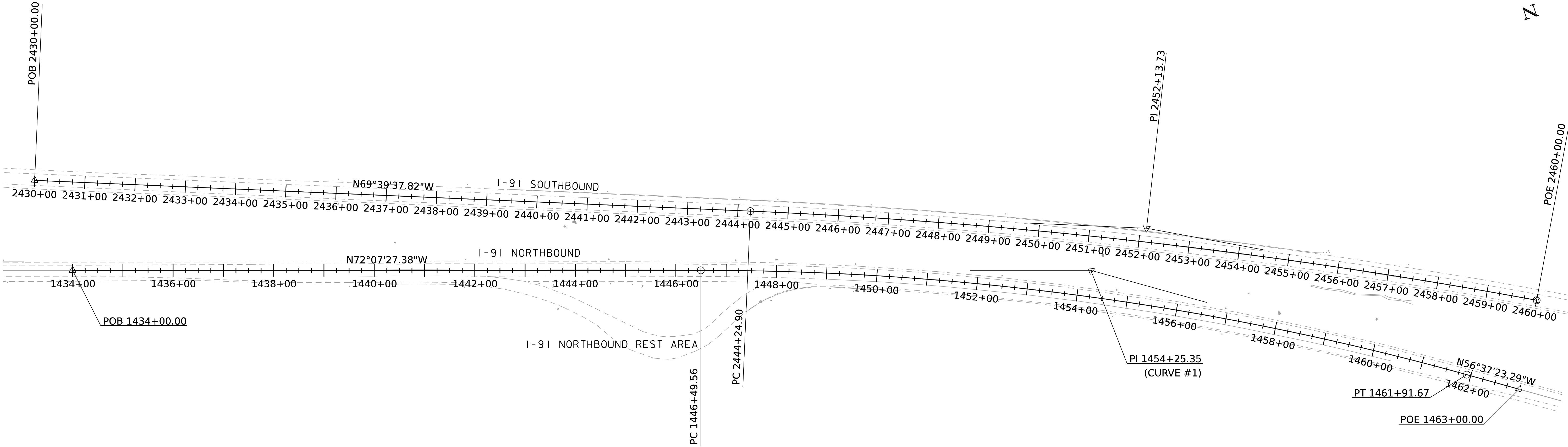
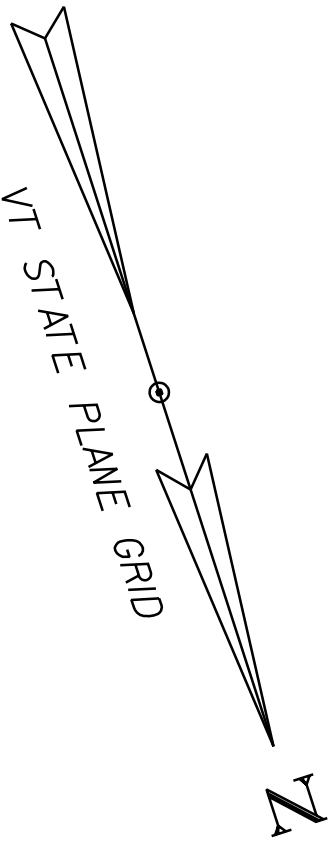


PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 09I-3(53)	
FILE NAME: z19a180_bdr_al1.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
INTERSTATE ALIGNMENT LAYOUT SHEET 2	SHEET 8 OF 40

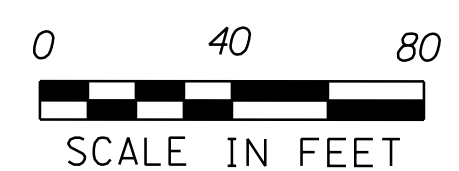
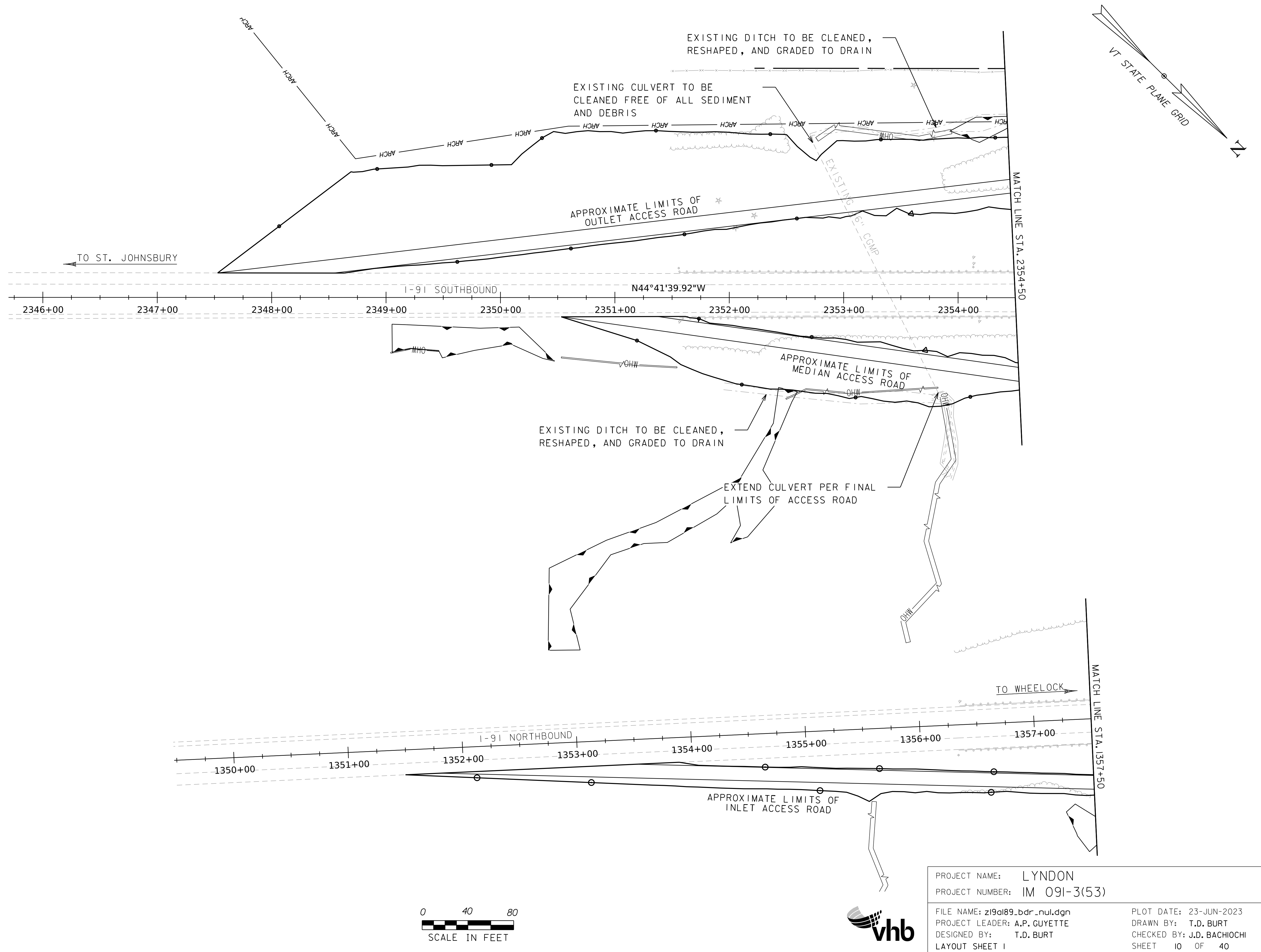
I-91 NORTHBOUND			
POINT	STATION	NORTHING	EASTING
POB	1434+00.00	759289.47	1754861.27
PC	1446+49.56	759673.03	1753672.03
PI	1454+25.35	759911.16	1752933.69
PT	1461+91.67	760337.96	1752285.85
POE	1463+00.00	760397.96	1752195.38

I-91 SOUTHBOUND			
POINT	STATION	NORTHING	EASTING
POB	1430+00.00	759096.17	1754878.18
PC	1444+24.90	759591.44	1753542.12
PI	1452+13.73	759865.63	1752802.47
PT	1460+00.00	760240.00	1752108.14

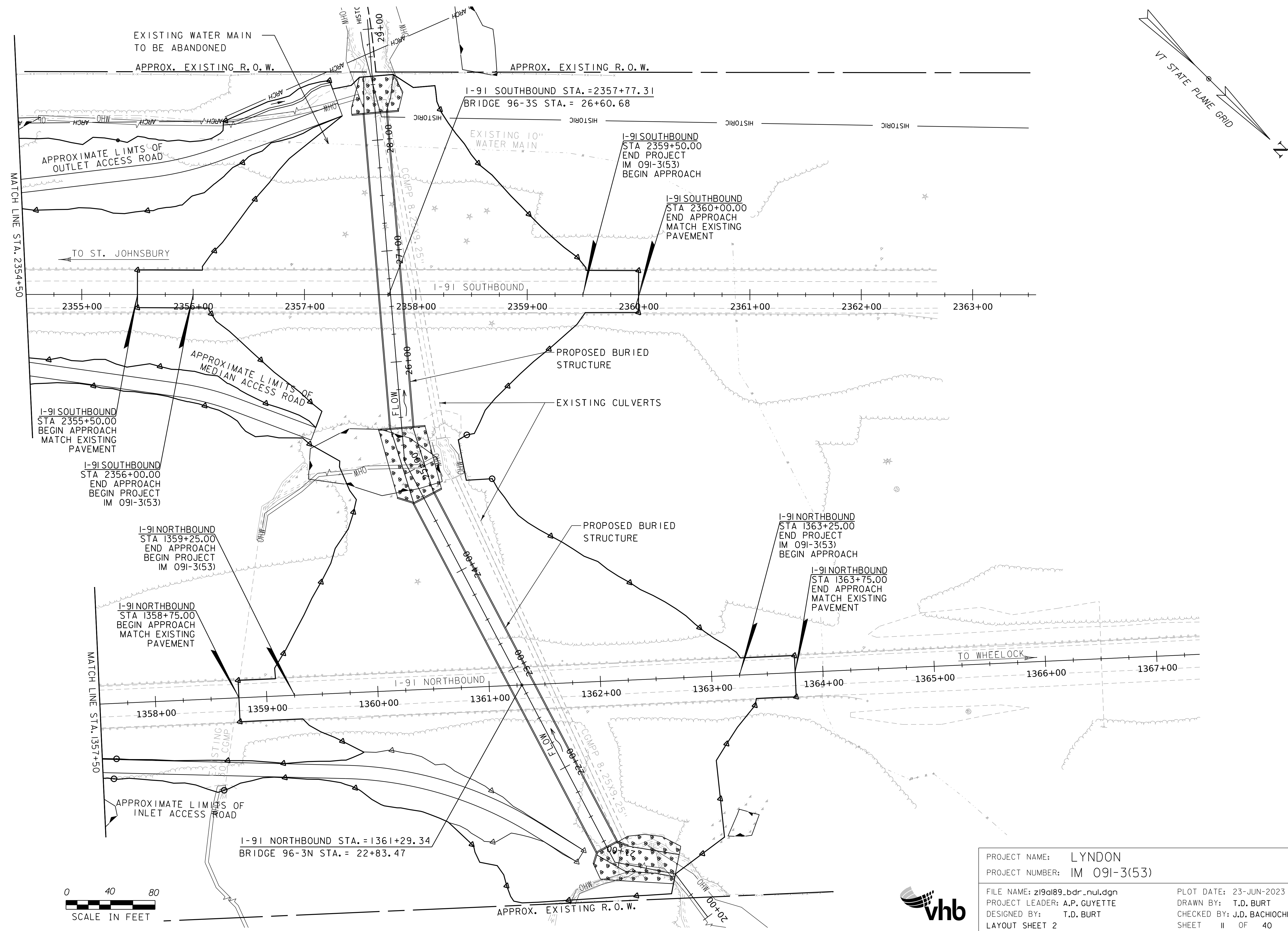
CURVE (1)	CURVE (2)
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R = 5700.00'	R = 11290.00'
T = 775.79'	T = 788.83'
L = 1542.11'	L = 1575.10'
e = 52.55'	e = 27.52'



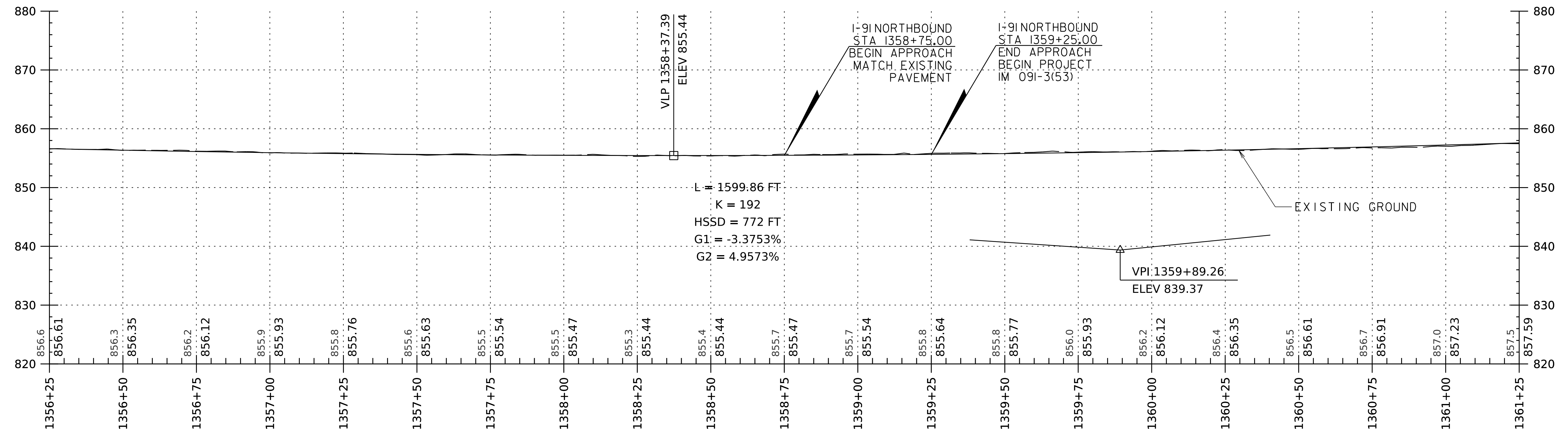
PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 09I-3(53)	
FILE NAME: z19a180_bdr_al1.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
INTERSTATE ALIGNMENT LAYOUT SHEET 3	SHEET 9 OF 40



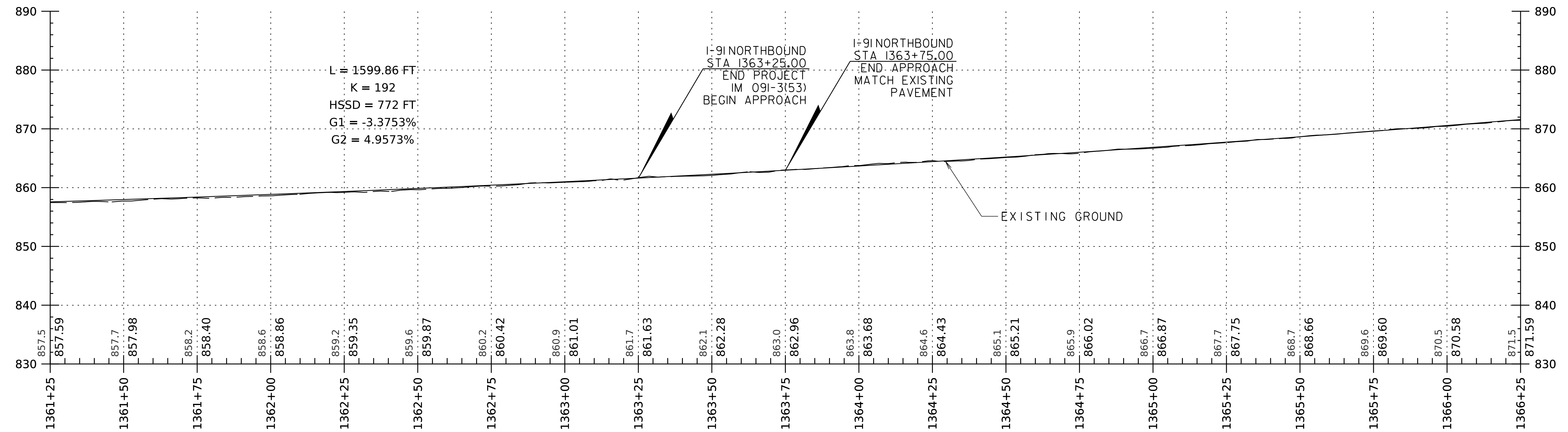
PROJECT NAME: LYNDON		PLOT DATE: 23-JUN-2023	
PROJECT NUMBER: IM 09I-3(53)		DRAWN BY: T.D. BURT	
FILE NAME: z19a189_bdr_nul.dgn		CHECKED BY: J.D. BACHIOCHI	
PROJECT LEADER: A.P. GUYETTE		SHEET 10 OF 40	
DESIGNED BY: T.D. BURT			
LAYOUT SHEET 1			



PROJECT NAME: LYNDON		PLOT DATE: 23-JUN-2023	
PROJECT NUMBER: IM 09I-3(53)		DRAWN BY: T.D. BURT	
FILE NAME: z19a189_bdr_nul.dgn		CHECKED BY: J.D. BACHIOCHI	
PROJECT LEADER: A.P. GUYETTE		SHEET II OF 40	
DESIGNED BY: T.D. BURT			
LAYOUT SHEET 2			



I-91 NORTHBOUND PROFILE
1356+25 - 1361+25
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



I-91 NORTHBOUND PROFILE
1361+25 - 1366+25
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

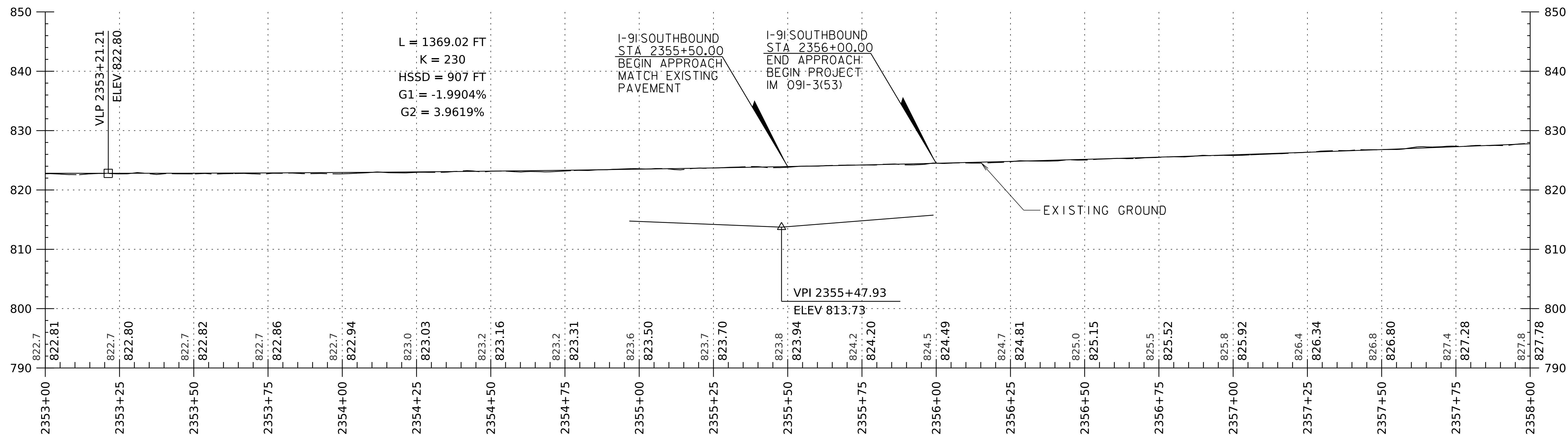
STATIONING AND ELEVATIONS IN FEET (TYP.)

PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

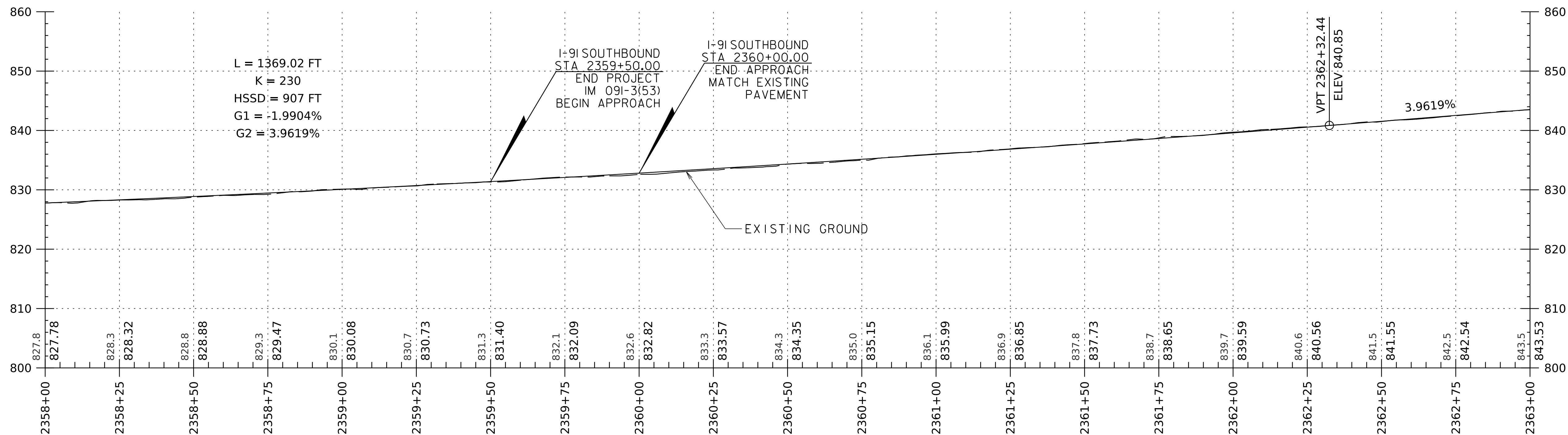
FILE NAME: z19a189pro.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
I-91 NORTHBOUND PROFILE

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 12 OF 40





I-91 SOUTHBOUND PROFILE
1353+00 - 1358+00
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



I-91 SOUTHBOUND PROFILE
1358+00 - 1363+00
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

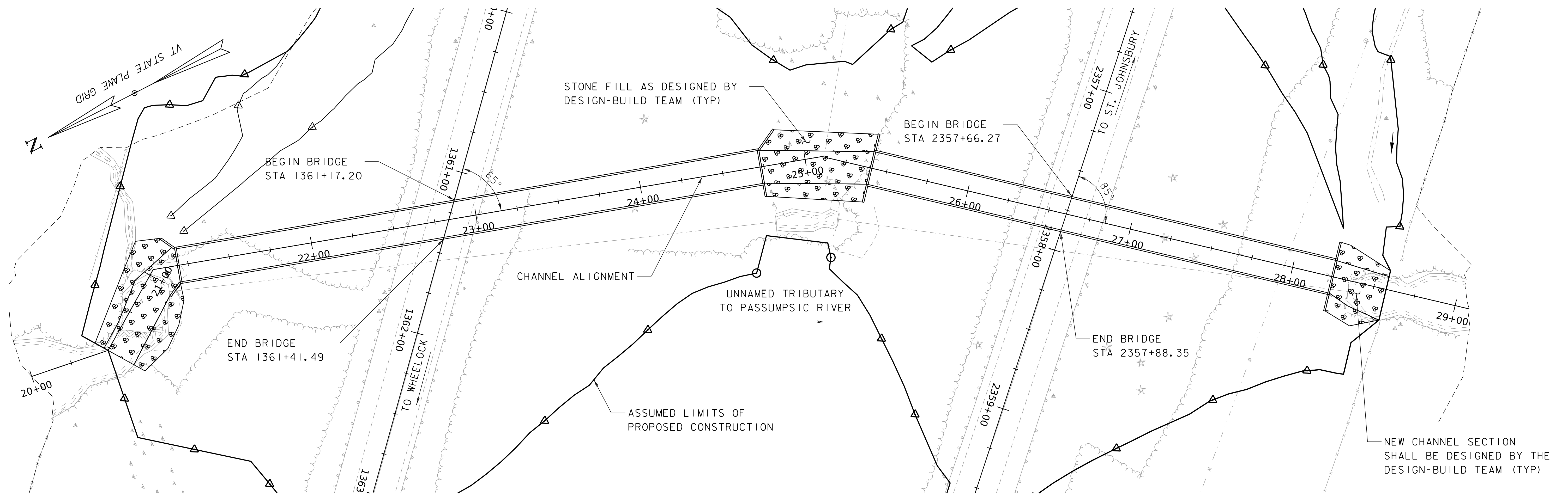
STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

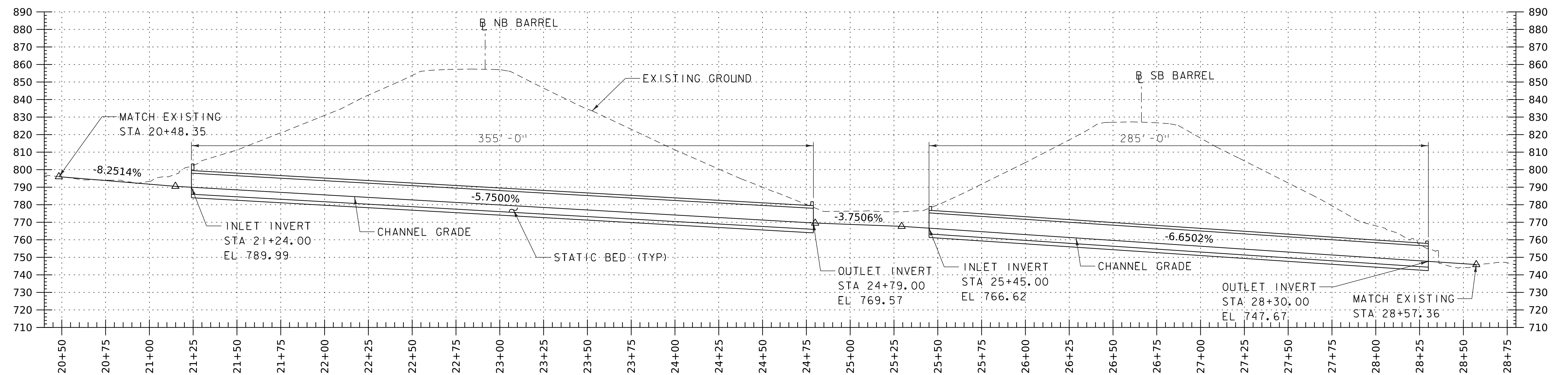
FILE NAME: z19a189pro.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
I-91 SOUTHBOUND PROFILE

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 13 OF 40



PROPOSED BRIDGE 96-3N AND 96-3S LAYOUT

SCALE 1" = 30'-0"



PROPOSED BRIDGE 96-3N AND 96-3S LONGITUDINAL SECTION

SCALE 1" = 30'-0"



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

FILE NAME: z19a189.pe.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: N.A. TRUSLOW
PLAN AND LONGITUDINAL SECTION

PLOT DATE: 23-JUN-2023
DRAWN BY: N.A. TRUSLOW
CHECKED BY: K.C. BARRY
SHEET 14 OF 40

SOIL CLASSIFICATION

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

ROCK QUALITY DESIGNATION

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

SHEAR STRENGTH

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

CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

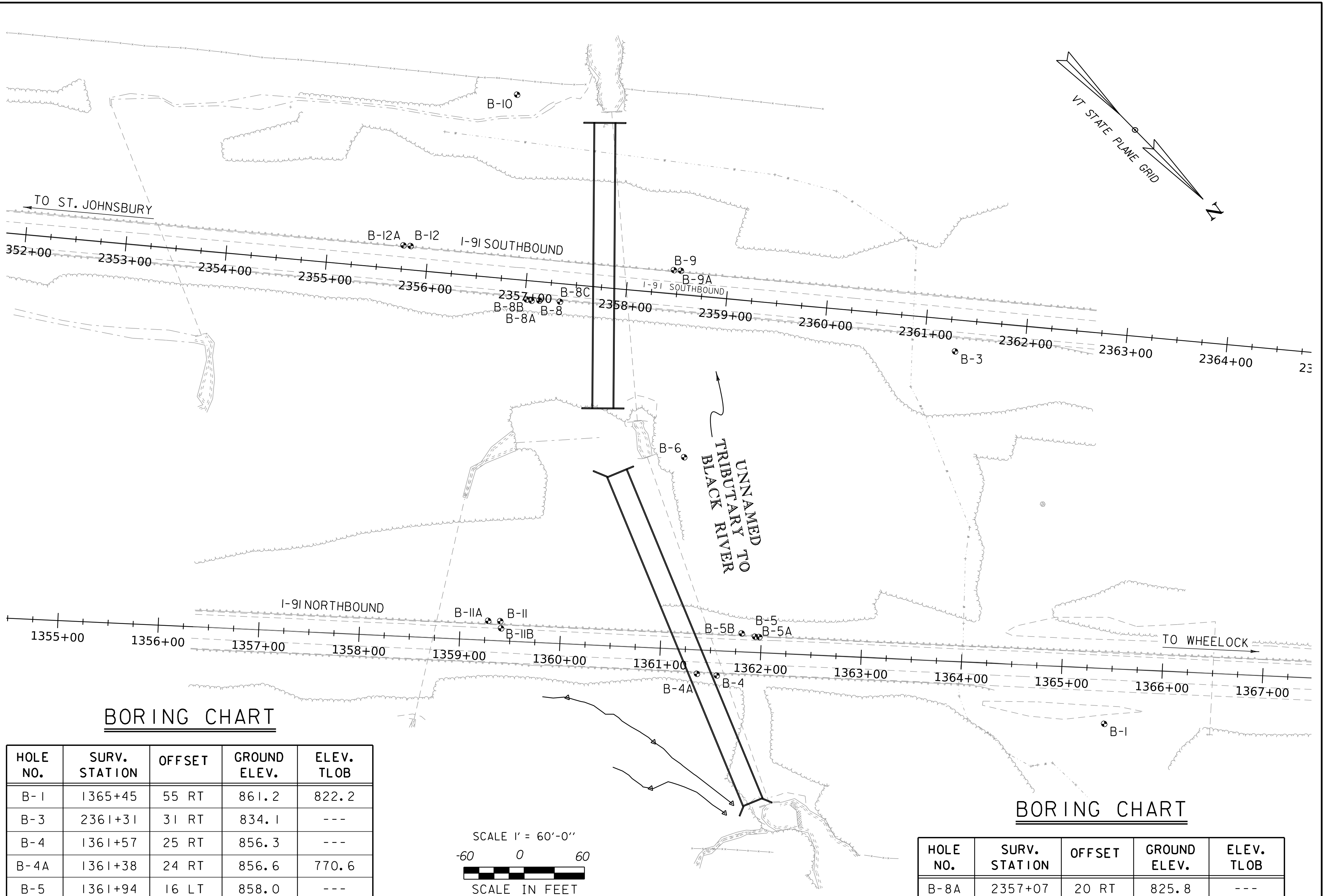
DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-24	Med. Dense	5-8	Med. Stiff
25-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		31-60	Hard
		>60	Very Hard

COMMONLY USED SYMBOLS

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

COLOR

blk	Black	pnk	Pink
bl	Blue	pu	Purple
brn	Brown	rd	Red
dk	Dark	tn	Tan
gry	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		



BORING CHART

HOLE NO.	SURV. STATION	OFFSET	GROUND ELEV.	ELEV. TLOB
B-1	1365+45	55 RT	861.2	822.2
B-3	2361+31	31 RT	834.1	---
B-4	1361+57	25 RT	856.3	---
B-4A	1361+38	24 RT	856.6	770.6
B-5	1361+94	16 LT	858.0	---
B-5A	1361+98	15 LT	858.1	---
B-5B	1361+80	18 LT	857.5	---
B-6	2358+72	161 RT	785.5	765.5
B-8	2357+15	19 RT	825.8	---

BORING CHART

HOLE NO.	SURV. STATION	OFFSET	GROUND ELEV.	ELEV. TLOB
B-8A	2357+07	20 RT	825.8	---
B-8B	2357+02	18 RT	825.8	---
B-8C	2357+35	18 RT	825.8	---
B-9	2358+45	24 LT	826.6	---
B-9A	2358+52	24 LT	826.8	743.8
B-10	2356+74	183 LT	760.5	---
B-11	1359+40	20 LT	854.8	---
B-11A	1359+28	19 LT	854.8	---
B-11B	1359+41	12 LT	854.8	---
B-12	2355+82	24 LT	823.1	---
B-12A	2355+75	24 LT	823.1	---

DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - Rock in its native location of indefinite thickness.
BOULDER - A rock fragment with an average dimension > 12 inches.
COBBLE - Rock fragments with an average dimension between 3 and 12 inches.
GRAVEL - Rounded particles of rock < 3" and > 0.075" (#10 sieve).
SAND - Particles of rock < 0.075" (#10 sieve) and > 0.0025" (#200 sieve).
SILT - Soil < 0.0025" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.
CLAY - Fine grained soil, exhibits plasticity when moist and considerable strength when air-dried.

VARVED - Alternate layers of silt and clay.
HARDPAN - Extremely dense soil, cemented layer, not softened when wet.
MUCK - Soft organic soil (containing > 10% organic material).
MOISTURE CONTENT - Weight of water divided by dry weight of soil.
FLOWING SAND - Granular soil so saturated (loose) that it flows into drill casing during extraction of wash rod.
STRIKE - Angle from magnetic north to line of intersection of bed with a horizontal plane.
DIP - Inclination of bed with a horizontal plane.

GENERAL NOTES

- The subsurface explorations shown herein were made between AUG 29, 2022 and DEC 6, 2022 for the Agency.
- Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
- Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
- Engineering judgment was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgment by the Contractor.
- Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
- Terminology used on boring logs to describe the hardness, degree of weathering, and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.
- Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.

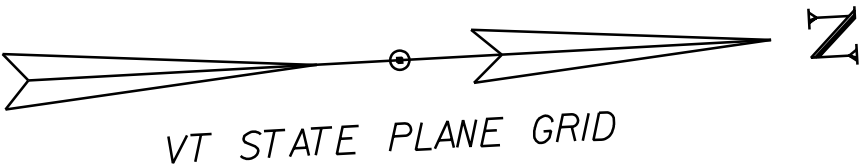


PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)
FILE NAME: z19a189.bor.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: VTRANS
BORING LAYOUT SHEET

PLOT DATE: 23-JUN-2023
DRAWN BY: M.F. NEMETH
CHECKED BY: K.C. BARRY
SHEET 15 OF 40

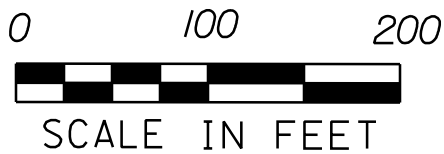
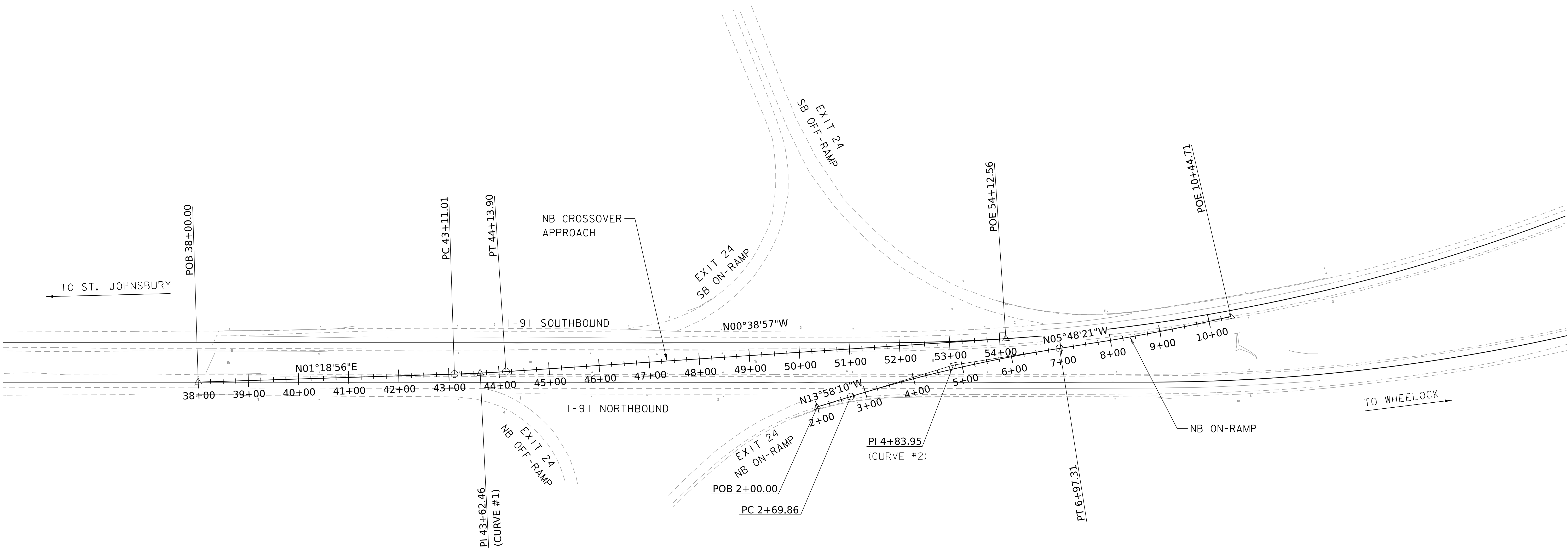
NB CROSSOVER APPROACH			
POINT	STATION	NORTHING	EASTING
POB	38+00.00	748809.33	1763282.02
PC	43+11.01	749320.21	1763293.75
PI	43+62.46	749371.64	1763294.93
PT	44+13.90	749423.08	1763294.35
POE	54+12.56	750421.68	1763283.03

NB ON-RAMP			
POINT	STATION	NORTHING	EASTING
POB	2+00.00	750038.92	1763398.32
PC	2+69.86	750106.71	1763381.45
PI	4+83.95	750314.47	1763329.77
PT	6+97.31	750527.46	1763308.11
POE	10+44.71	750871.86	1763263.28



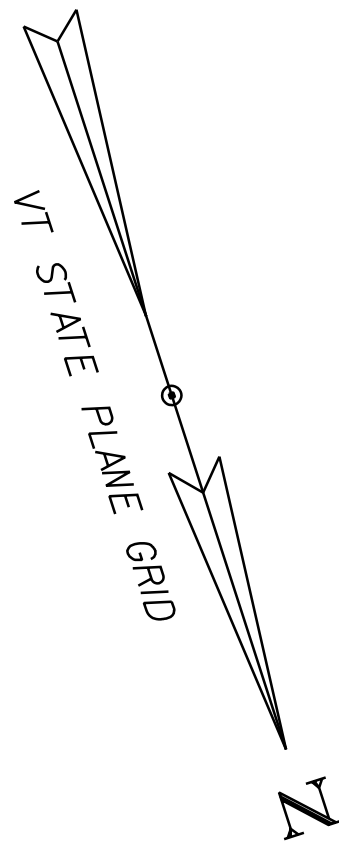
CURVE (1)
DELTA = 01°57'54"
D = 01°54'35"
R = 3000.00'
T = 51.45'
L = 102.88'
e = 0.44'

CURVE (2)
DELTA = 08°09'49"
D = 01°54'35"
R = 3000.00'
T = 214.09'
L = 427.45'
e = 7.63'

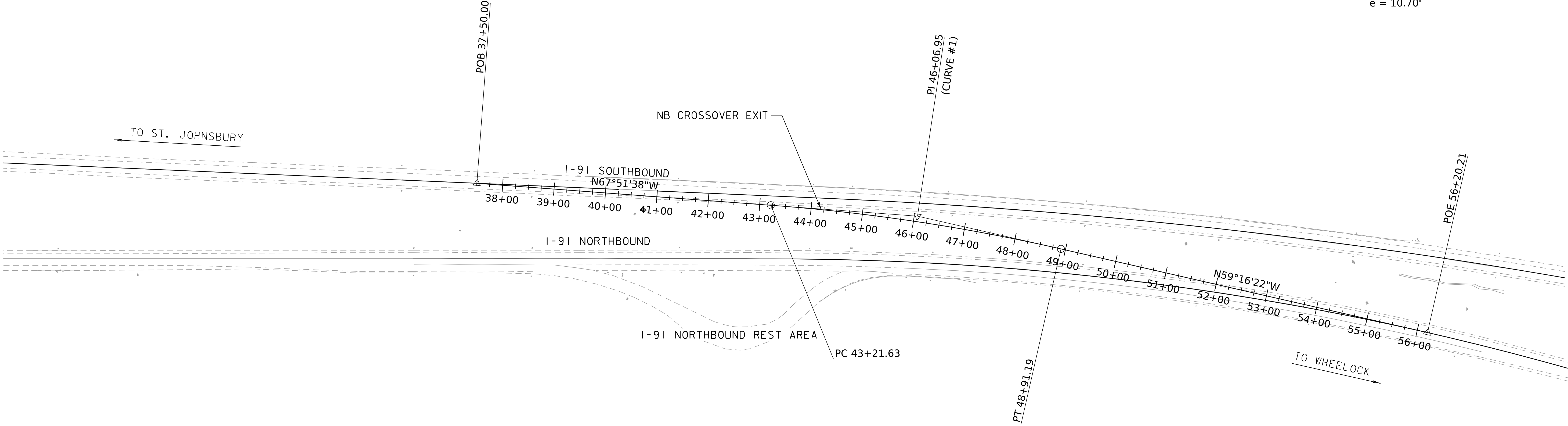


PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 09I-3(53)	
FILE NAME: z19a180_bdr_alf_NB.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
NB CROSSOVER ALIGNMENT SHEET 1	SHEET 16 OF 40

NB CROSSOVER EXIT			
POINT	STATION	NORTHING	EASTING
POB	37+50.00	759356.86	1754174.94
PC	43+21.63	759572.29	1753645.45
PI	46+06.95	759679.81	1753381.18
PT	48+91.19	759825.59	1753135.92
POE	56+20.21	760198.08	1752509.25



CURVE (1)
DELTA = 08°35'16"
D = 01°30'28"
R = 3800.00'
T = 285.31'
L = 569.56'
e = 10.70'

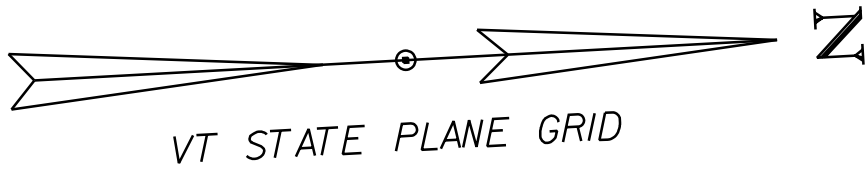


PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 09I-3(53)	
FILE NAME: z19a180_bdr_alf_NB.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
NB CROSSOVER ALIGNMENT SHEET 2	SHEET 17 OF 40

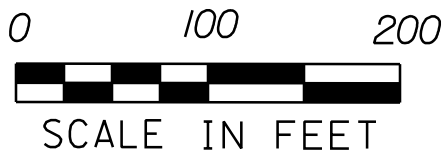
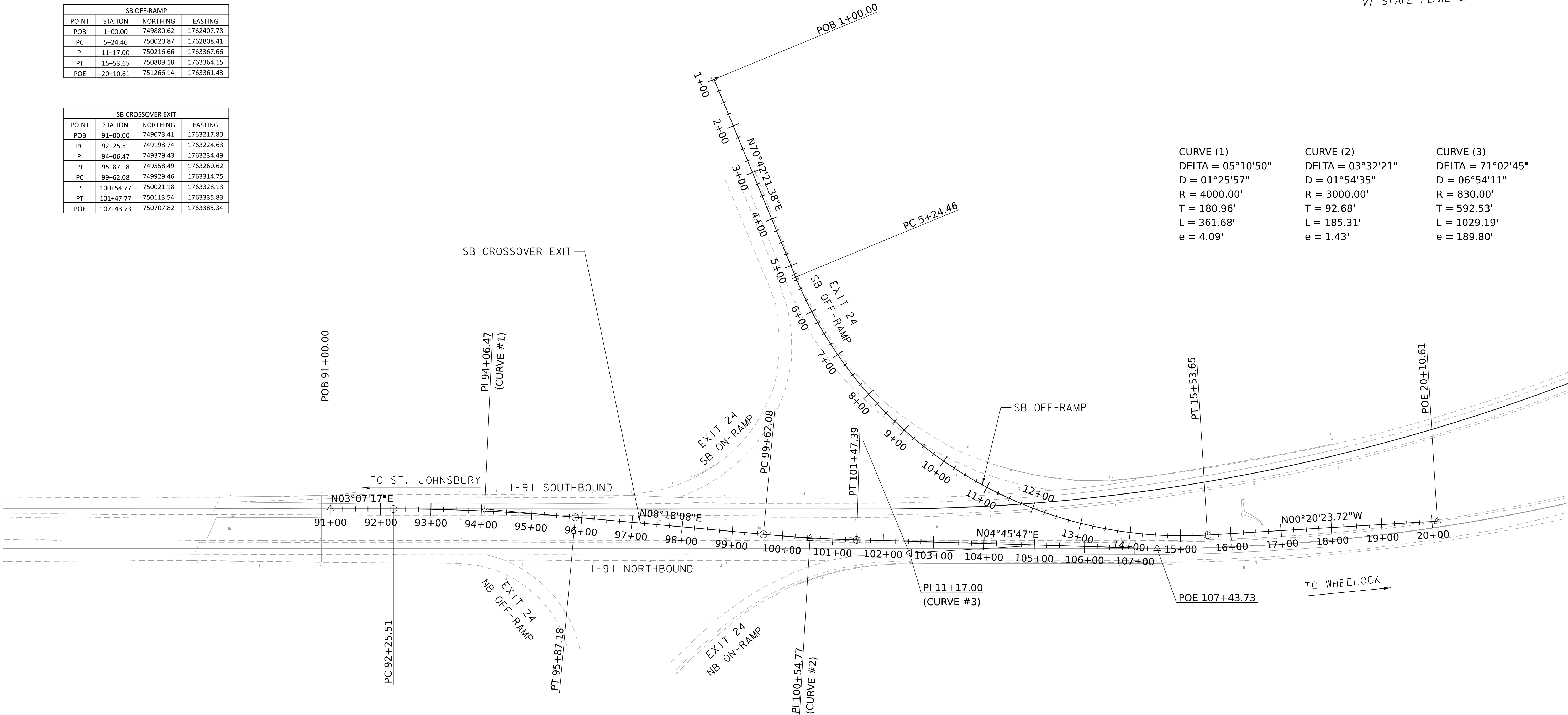


SB OFF-RAMP			
POINT	STATION	NORTHING	EASTING
POB	1+00.00	749880.62	1762407.78
PC	5+24.46	750020.87	1762808.41
PI	11+17.00	750216.66	1763367.66
PT	15+53.65	750809.18	1763364.15
POE	20+10.61	751266.14	1763361.43

SB CROSSOVER EXIT			
POINT	STATION	NORTHING	EASTING
POB	91+00.00	749073.41	1763217.80
PC	92+25.51	749198.74	1763224.63
PI	94+06.47	749379.43	1763234.49
PT	95+87.18	749558.49	1763260.62
PC	99+62.08	749929.46	1763314.75
PI	100+54.77	750021.18	1763328.13
PT	101+47.77	750113.54	1763335.83
POE	107+43.73	750707.82	1763385.34



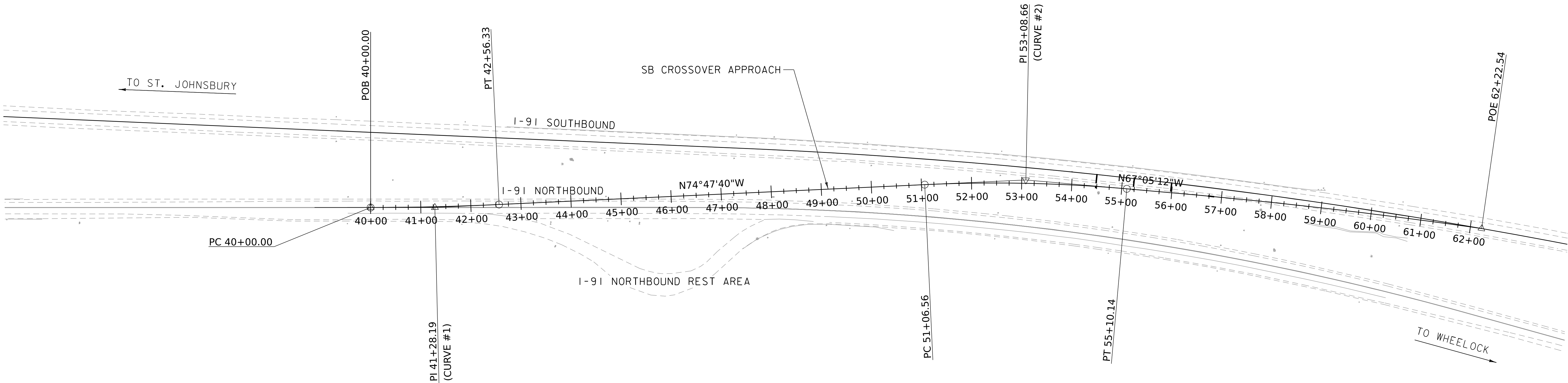
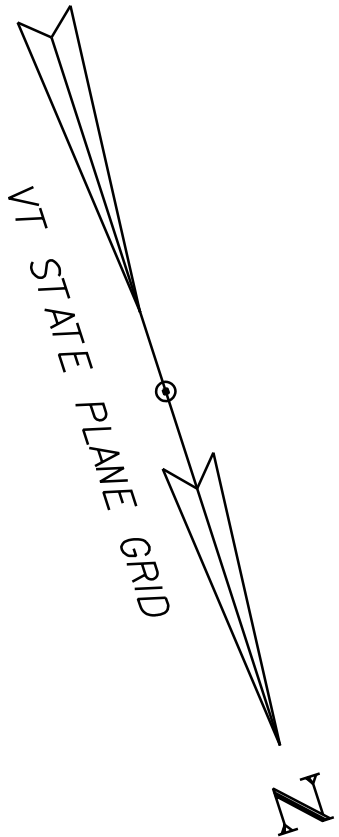
CURVE (1)	CURVE (2)	CURVE (3)
DELTA = 05°10'50"	DELTA = 03°32'21"	DELTA = 71°02'45"
D = 01°25'57"	D = 01°54'35"	D = 06°54'11"
R = 4000.00'	R = 3000.00'	R = 830.00'
T = 180.96'	T = 92.68'	T = 592.53'
L = 361.68'	L = 185.31'	L = 1029.19'
e = 4.09'	e = 1.43'	e = 189.80'



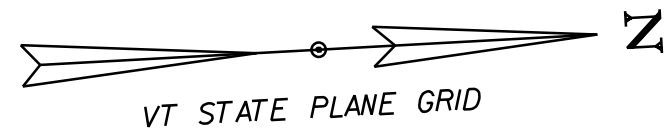
PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a180_bdr_alf_SB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	18 OF 40
DESIGNED BY:	T.D. BURT		
SB CROSSOVER ALIGNMENT SHEET 1			

SB CROSSOVER APPROACH				
POINT	STATION	NORTHING	EASTING	
POB	40+00.00	759472.71	1754293.15	
PC	40+00.00	759472.71	1754293.15	
PI	41+28.19	759512.05	1754171.15	
PT	42+56.33	759545.68	1754047.45	
PC	51+06.56	759768.67	1753226.98	
PI	53+08.66	759821.68	1753031.96	
PT	55+10.14	759900.37	1752845.81	
POE	62+22.54	760192.93	1752196.37	

CURVE (1)	CURVE (2)
DELTA = 02°40'13"	DELTA = 07°42'29"
D = 01°02'30"	D = 01°54'35"
R = 5500.00'	R = 3000.00'
T = 128.19'	T = 202.10'
L = 256.33'	L = 403.59'
e = 1.49'	e = 6.80'



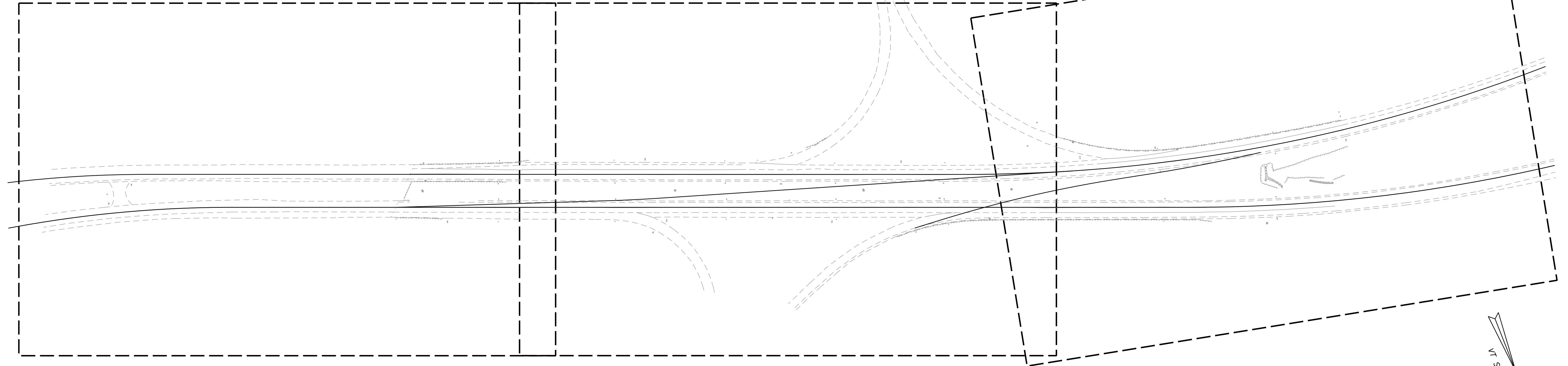
PROJECT NAME: LYNDON	
PROJECT NUMBER: IM 09I-3(53)	
FILE NAME: z19a180_bdr_alf_SB.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
SB CROSSOVER ALIGNMENT SHEET 2	SHEET 19 OF 40



NB APPROACH SHEET 1

NB APPROACH SHEET 2

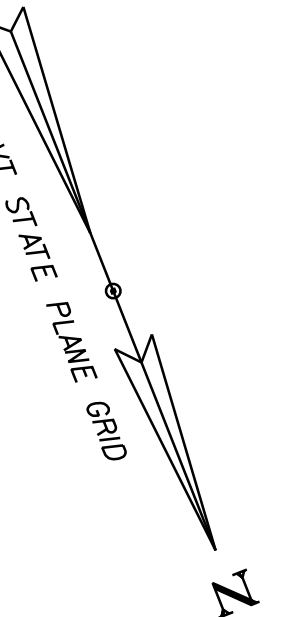
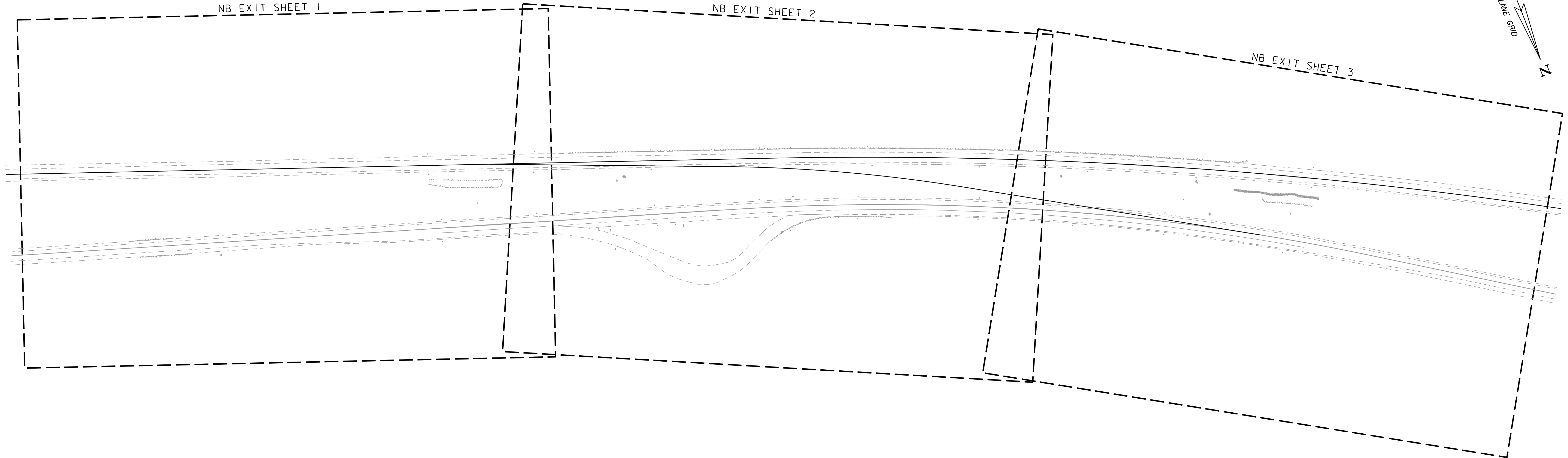
NB APPROACH SHEET 3



NB EXIT SHEET 1

NB EXIT SHEET 2

NB EXIT SHEET 3



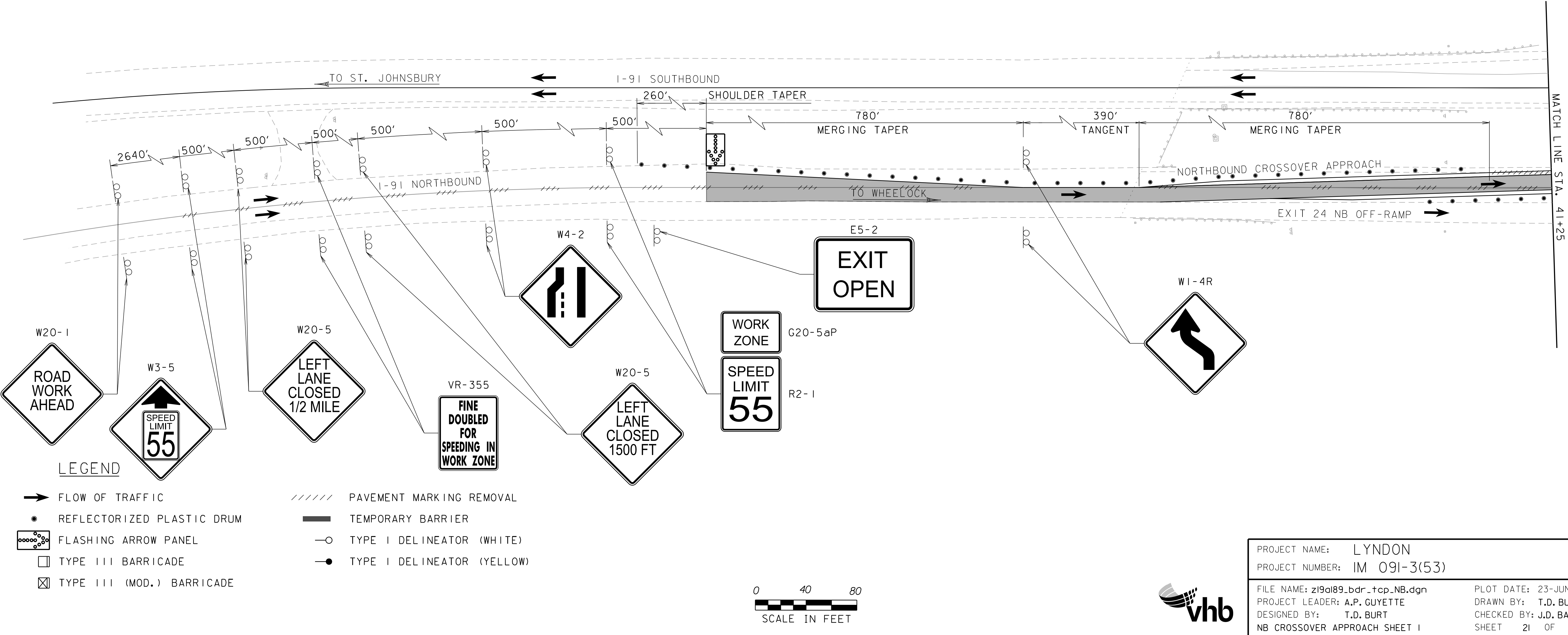
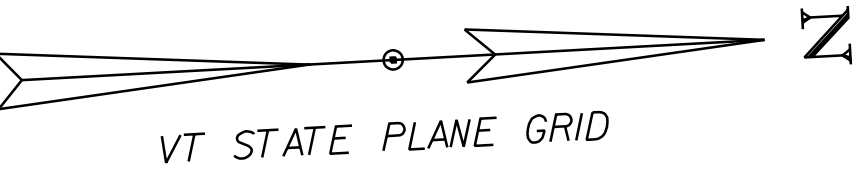
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SCALE IN FEET

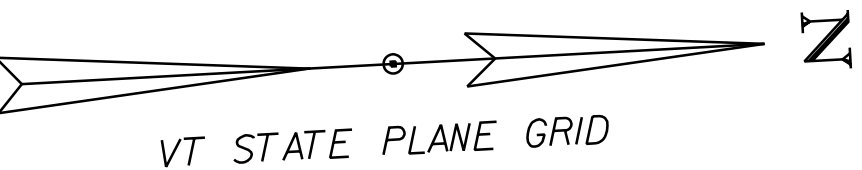


PROJECT NAME: LYNDON		PLOT DATE: 23-JUN-2023	
PROJECT NUMBER: IM 09I-3(53)		DRAWN BY: T.D. BURT	
FILE NAME: z19al89_plankey_NB.dgn		CHECKED BY: J.D. BACHIOCHI	
PROJECT LEADER: A.P. GUYETTE		SHEET 20 OF 40	
DESIGNED BY: T.D. BURT			
NB CROSSOVER PLAN KEY			

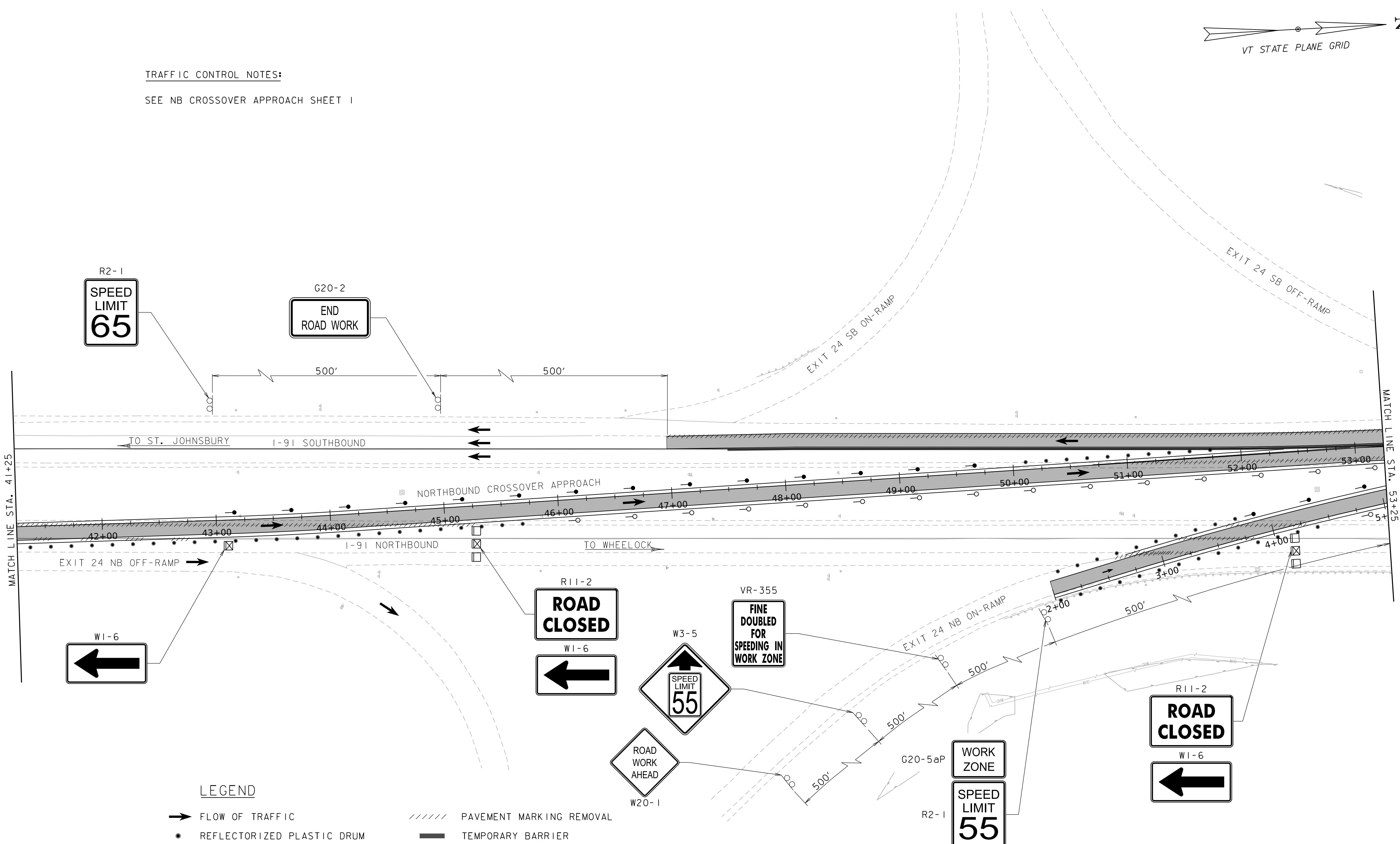
TRAFFIC CONTROL NOTES:

- 1. REFER TO AGENCY STANDARDS T-11, T-13, T-14, AND T-15
- 2. I-91 TURNAROUNDS (U-TURN) WITHIN THE PROJECT AREA SHALL BE CLOSED TO TRAFFIC AND SHALL BE SHOWN ON THE TRAFFIC CONTROL PLAN
- 3. ALL 48" DIAMOND CONSTRUCTION SIGNS SHALL BE INSTALLED ON 2 POSTS





TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1



LEGEND

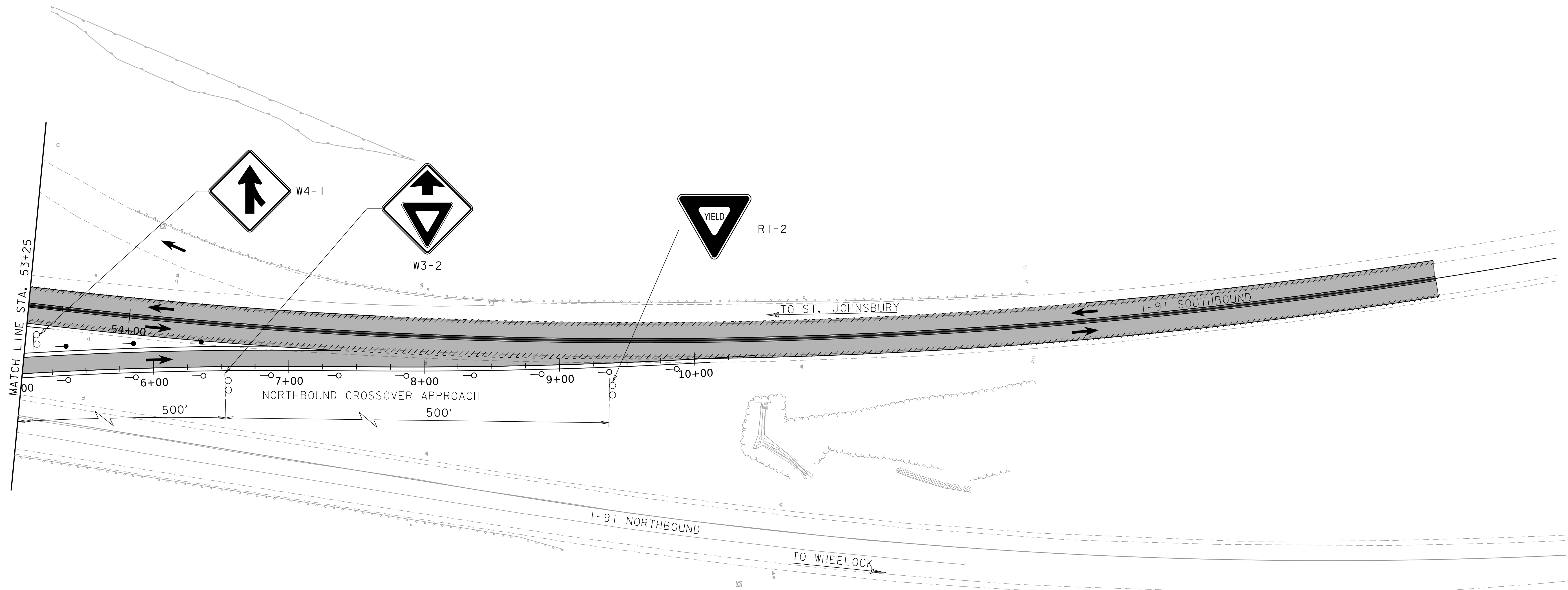
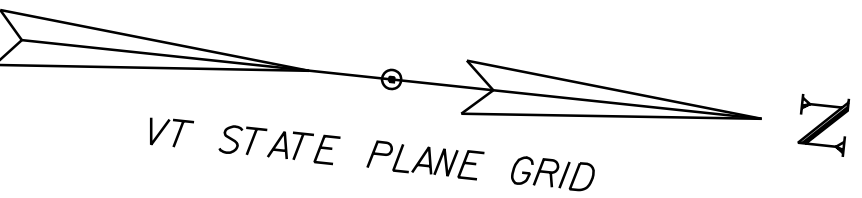
- | | |
|------------------------------|---------------------------------|
| → FLOW OF TRAFFIC | ////// PAVEMENT MARKING REMOVAL |
| • REFLECTORIZED PLASTIC DRUM | — TEMPORARY BARRIER |
| ◻ FLASHING ARROW PANEL | ○ TYPE I DELINEATOR (WHITE) |
| ◻ TYPE III BARRICADE | ● TYPE I DELINEATOR (YELLOW) |
| ◻ TYPE III (MOD.) BARRICADE | |



PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a189_bdr_tcp_NB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	22 OF 40
DESIGNED BY:	T.D. BURT		
NB CROSSOVER APPROACH SHEET 2			

TRAFFIC CONTROL NOTES:

SEE NB CROSSOVER APPROACH SHEET 1



LEGEND

- | | |
|------------------------------|--------------------------------|
| → FLOW OF TRAFFIC | ///// PAVEMENT MARKING REMOVAL |
| • REFLECTORIZED PLASTIC DRUM | — TEMPORARY BARRIER |
| □ FLASHING ARROW PANEL | ○ TYPE I DELINEATOR (WHITE) |
| □ TYPE III BARRICADE | ● TYPE I DELINEATOR (YELLOW) |
| ☒ TYPE III (MOD.) BARRICADE | |

0 40 80
SCALE IN FEET

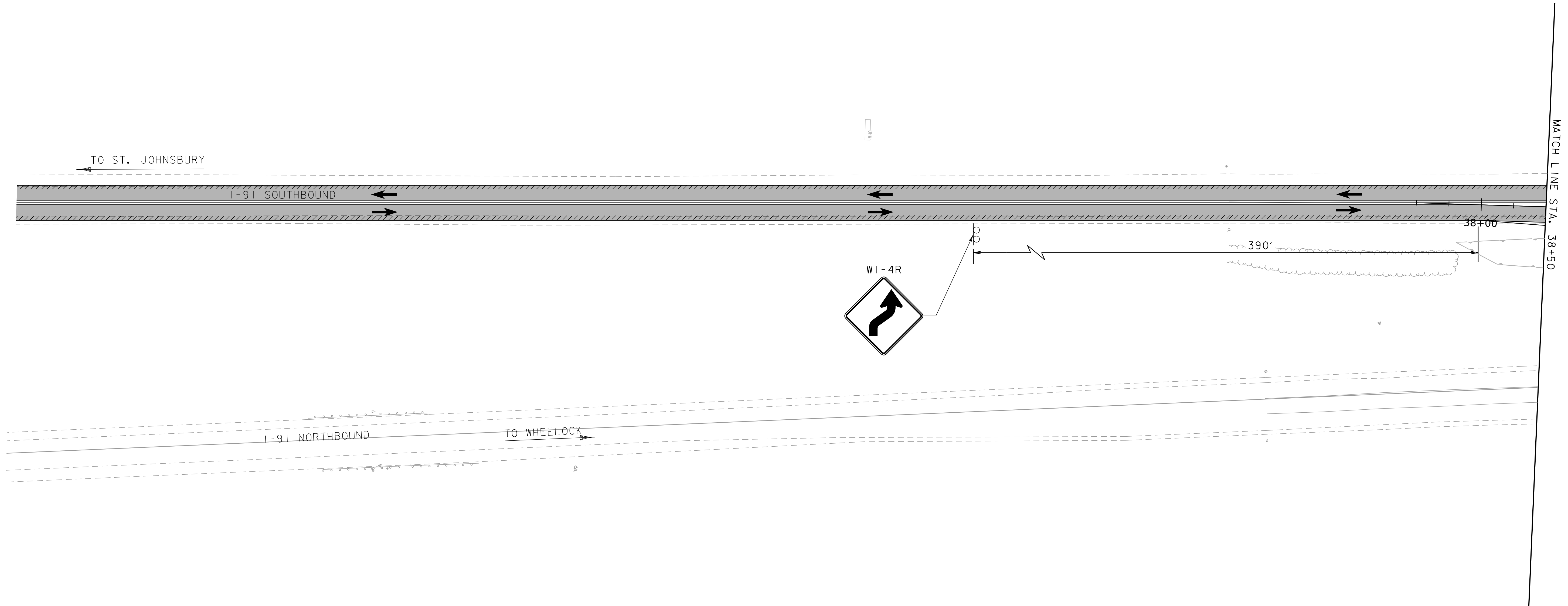


PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

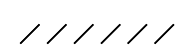
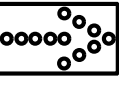
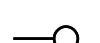
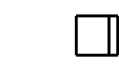
FILE NAME: z19a189_bdr_tcp_NB.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
NB CROSSOVER APPROACH SHEET 3

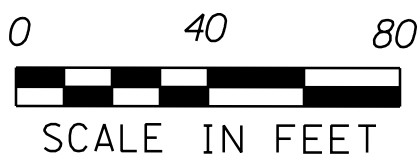
PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 23 OF 40

TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1



LEGEND

- | | | | |
|---|----------------------------|---|----------------------------|
|  | FLOW OF TRAFFIC |  | PAVEMENT MARKING REMOVAL |
|  | REFLECTORIZED PLASTIC DRUM |  | TEMPORARY BARRIER |
|  | FLASHING ARROW PANEL |  | TYPE I DELINEATOR (WHITE) |
|  | TYPE III BARRICADE |  | TYPE I DELINEATOR (YELLOW) |
|  | TYPE III (MOD.) BARRICADE | | |

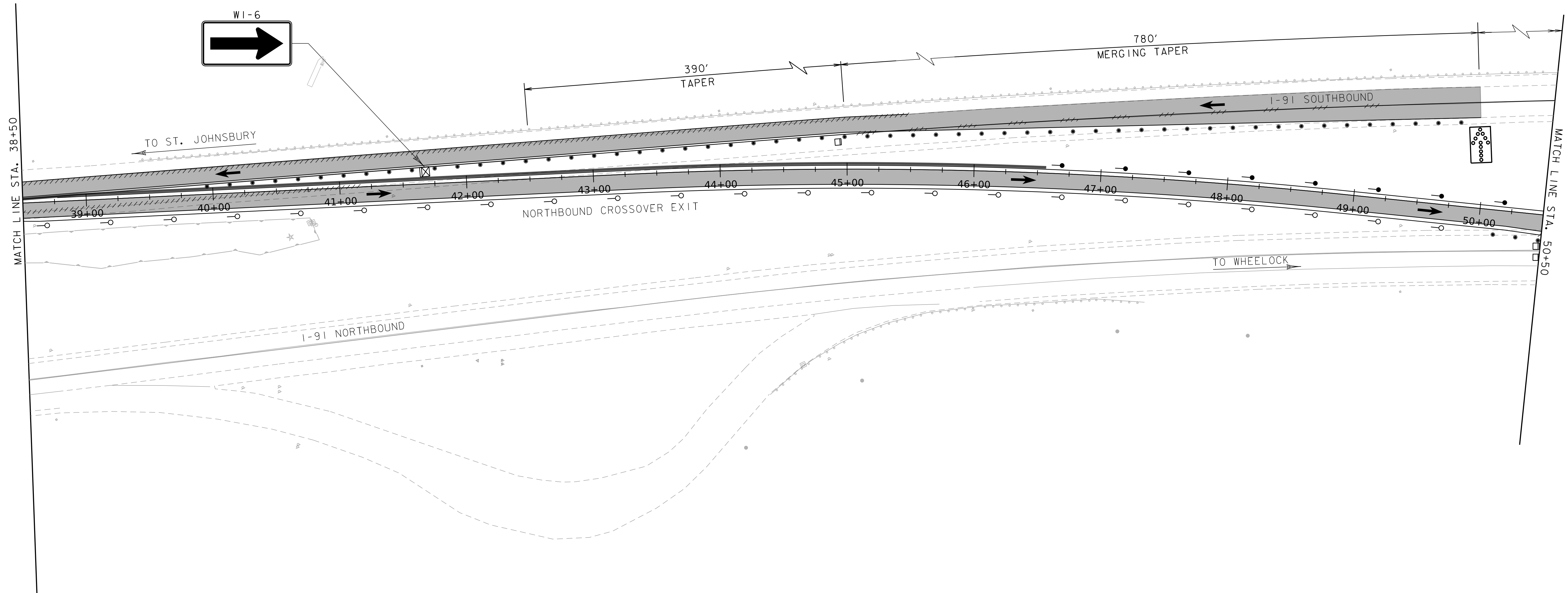
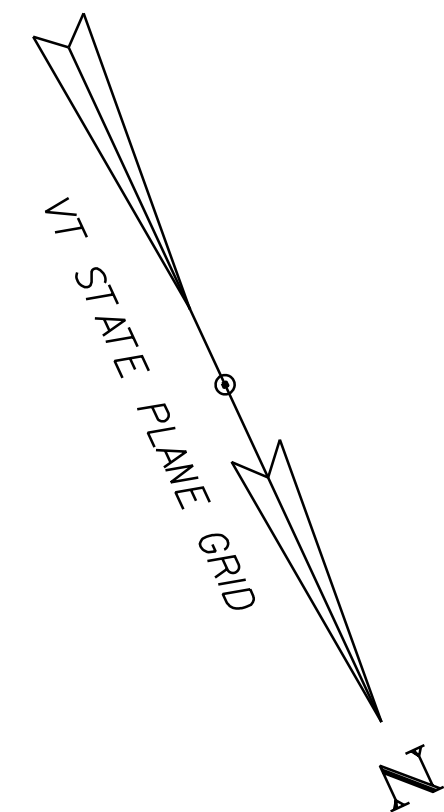


PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19a189_bdr_tcp_NB.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
NB CROSSOVER EXIT SHEET 1

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 24 OF 40

TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1



LEGEND

- | | | | |
|---|----------------------------|-------|----------------------------|
| ➔ | FLOW OF TRAFFIC | ///// | PAVEMENT MARKING REMOVAL |
| ● | REFLECTORIZED PLASTIC DRUM | — | TEMPORARY BARRIER |
| ⬢ | FLASHING ARROW PANEL | ○ | TYPE I DELINEATOR (WHITE) |
| □ | TYPE III BARRICADE | ● | TYPE I DELINEATOR (YELLOW) |
| ⊠ | TYPE III (MOD.) BARRICADE | | |

0 40 80
SCALE IN FEET



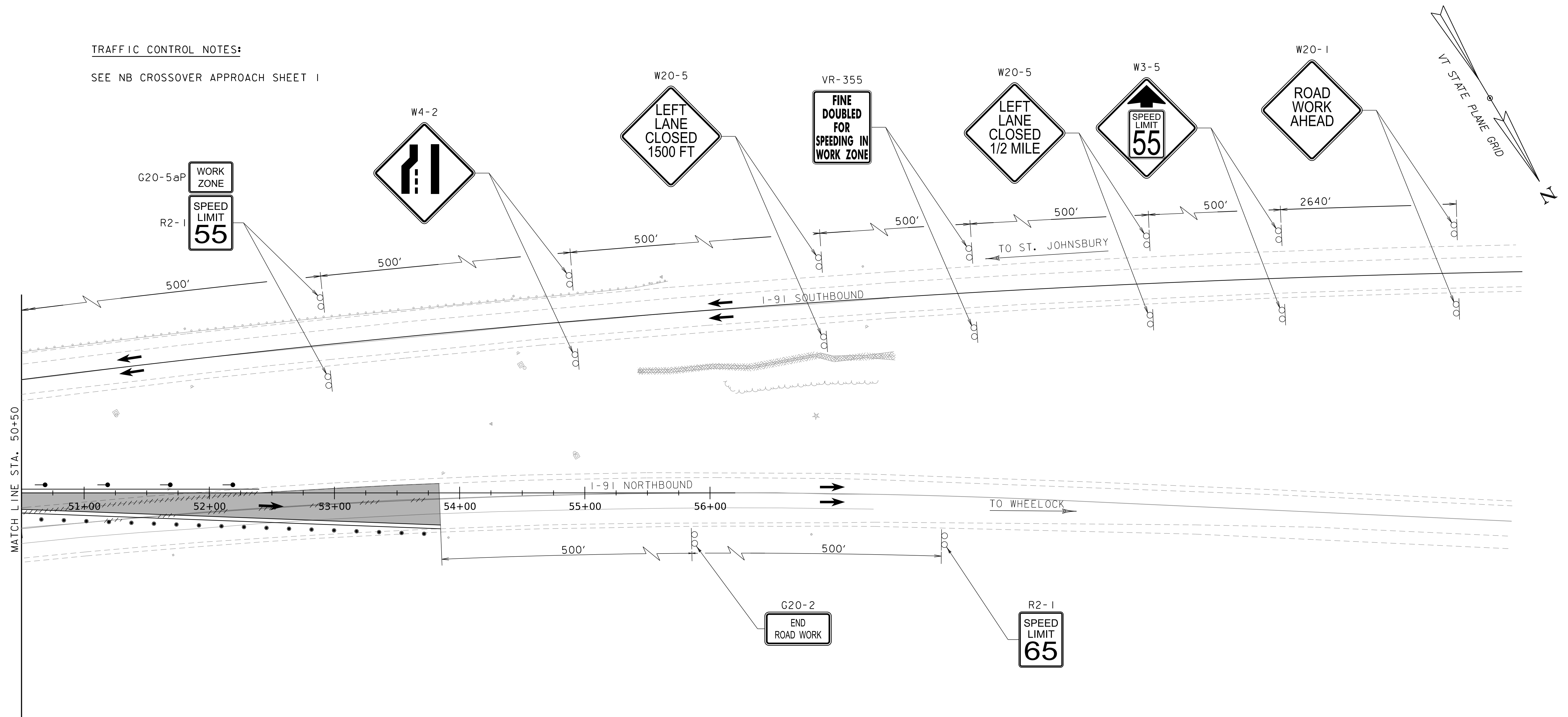
PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19al89_bdr_tcp_NB.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
NB CROSSOVER EXIT SHEET 2

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 25 OF 40

TRAFFIC CONTROL NOTES:

SEE NB CROSSOVER APPROACH SHEET 1



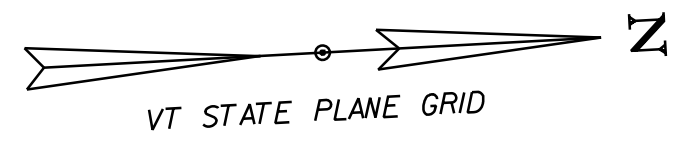
LEGEND

- | | | | |
|---|----------------------------|-------|----------------------------|
| → | FLOW OF TRAFFIC | ///// | PAVEMENT MARKING REMOVAL |
| • | REFLECTORIZED PLASTIC DRUM | — | TEMPORARY BARRIER |
| □ | FLASHING ARROW PANEL | ○ | TYPE I DELINEATOR (WHITE) |
| □ | TYPE III BARRICADE | ● | TYPE I DELINEATOR (YELLOW) |
| □ | TYPE III (MOD.) BARRICADE | | |

0 40 80
SCALE IN FEET



PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a189_bdr_tcp_NB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	26 OF 40
DESIGNED BY:	T.D. BURT		
NB CROSSOVER EXIT SHEET 3			



SB EXIT SHEET 1

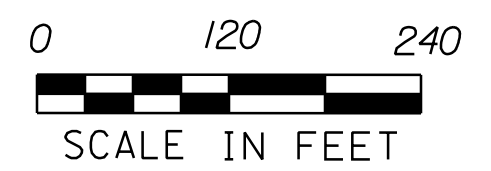
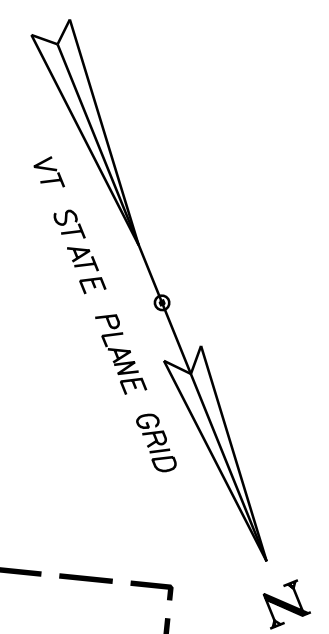
SB EXIT SHEET 2

SB EXIT SHEET 3

SB APPROACH SHEET 1

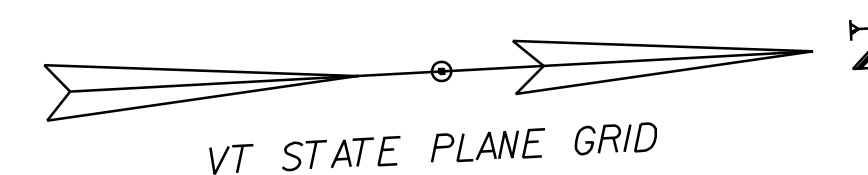
SB APPROACH SHEET 2

SB APPROACH SHEET 3

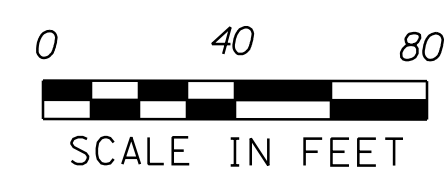
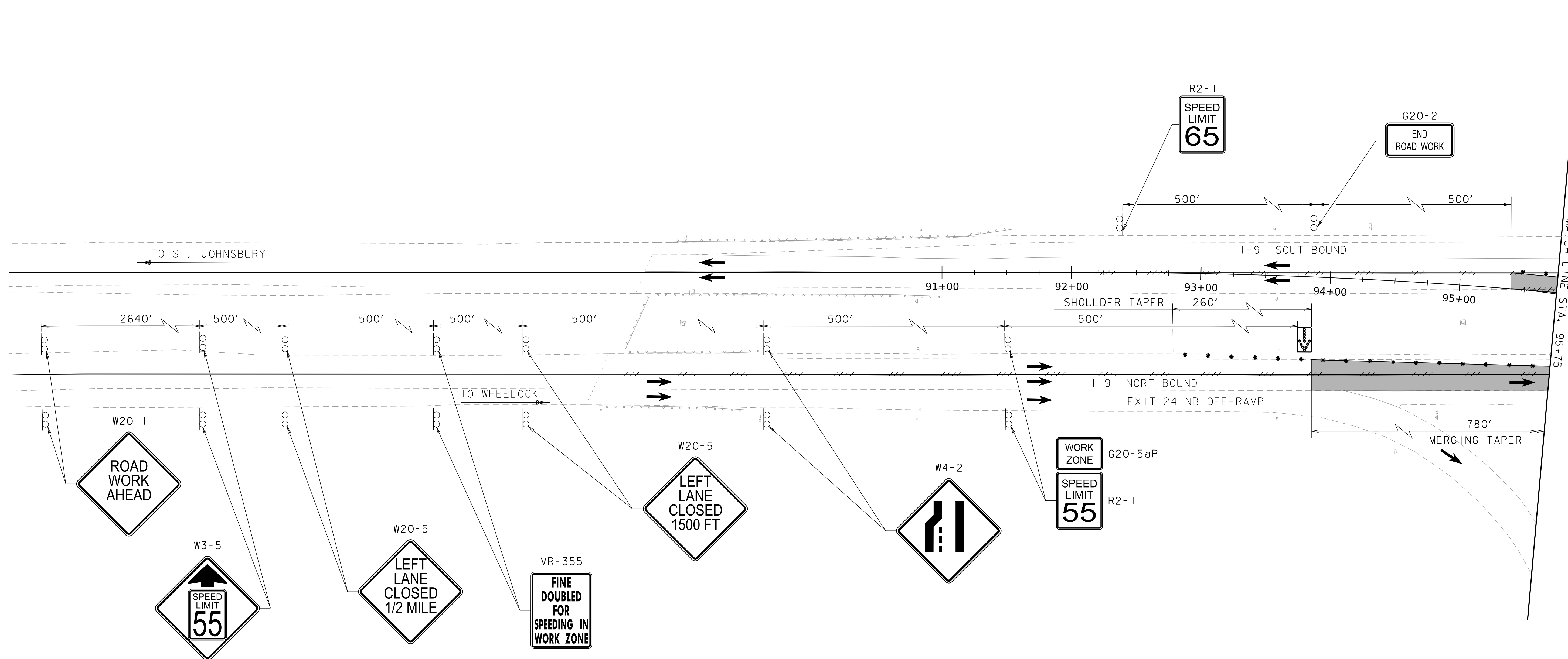


PROJECT NAME: LYNDON		PLOT DATE: 23-JUN-2023	
PROJECT NUMBER: IM 09I-3(53)		DRAWN BY: T.D. BURT	
FILE NAME: zI9al89_plankey_SB.dgn		CHECKED BY: J.D. BACHIOCHI	
PROJECT LEADER: A.P. GUYETTE		SHEET 27 OF 40	
DESIGNED BY: T.D. BURT			
SB CROSSOVER PLAN KEY			

	FLOW OF TRAFFIC		PAVEMENT MARKING REMOVAL
	REFLECTORIZED PLASTIC DRUM		TEMPORARY BARRIER
	FLASHING ARROW PANEL		TYPE I DELINEATOR (WHITE)
	TYPE III BARRICADE		TYPE I DELINEATOR (YELLOW)
	TYPE III (MOD.) BARRICADE		



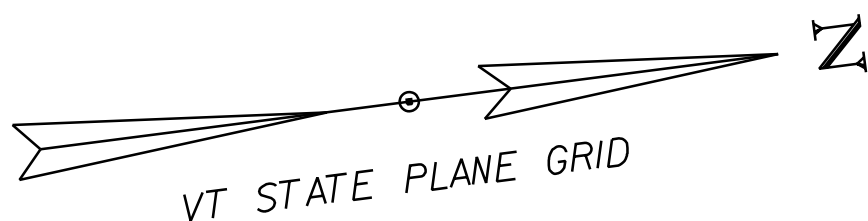
SEE NB CROSSOVER APPROACH SHEET 1



FILE NAME: z19al89_bdr_+cp-SB.dgn	PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT	CHECKED BY: J.D. BACHIOCHI
SB CROSSOVER EXIT SHEET I	SHEET 28 OF 40

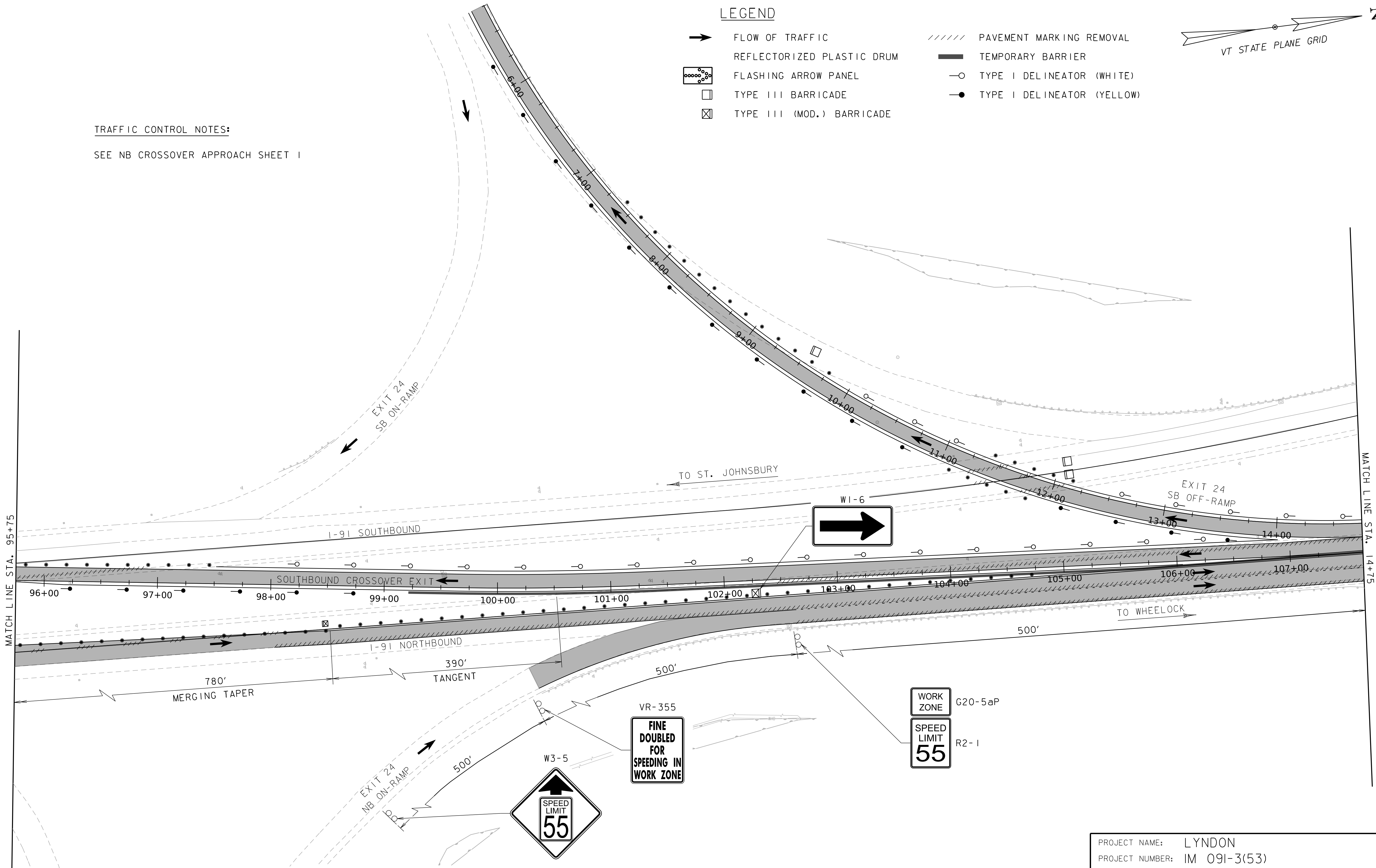
LEGEND

- | | | | |
|---|----------------------------|------|----------------------------|
| → | FLOW OF TRAFFIC | //// | PAVEMENT MARKING REMOVAL |
| ○ | REFLECTORIZED PLASTIC DRUM | — | TEMPORARY BARRIER |
| ⬢ | FLASHING ARROW PANEL | ○ | TYPE I DELINEATOR (WHITE) |
| □ | TYPE III BARRICADE | ● | TYPE I DELINEATOR (YELLOW) |
| ⊠ | TYPE III (MOD.) BARRICADE | | |



TRAFFIC CONTROL NOTES:

SEE NB CROSSOVER APPROACH SHEET 1



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19a189_bdr_tcp-SB.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
SB CROSSOVER EXIT SHEET 2

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 29 OF 40



TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1

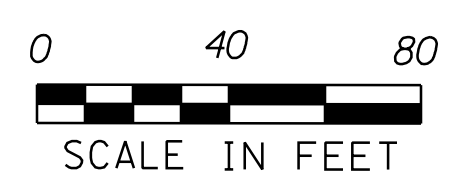
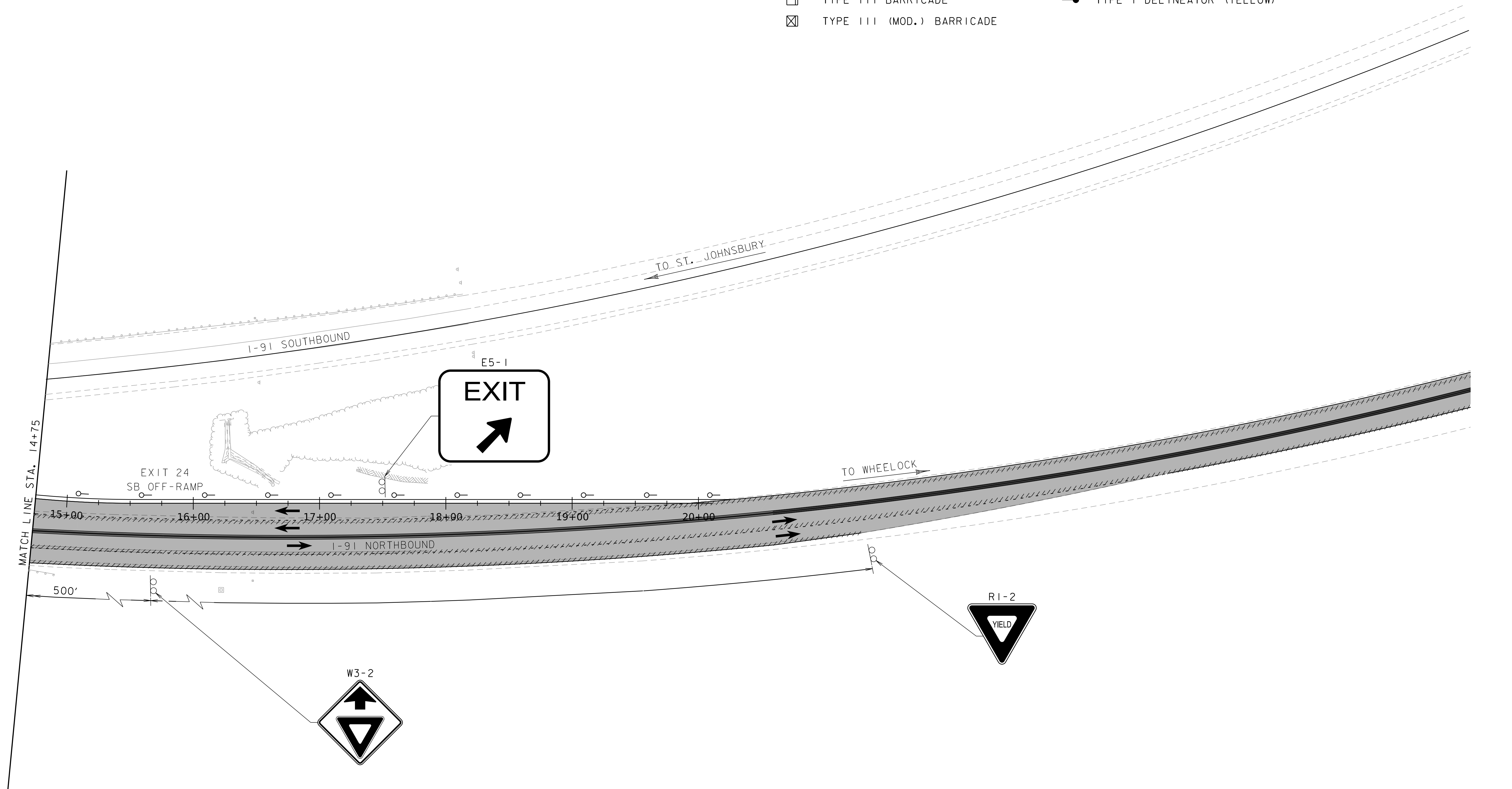
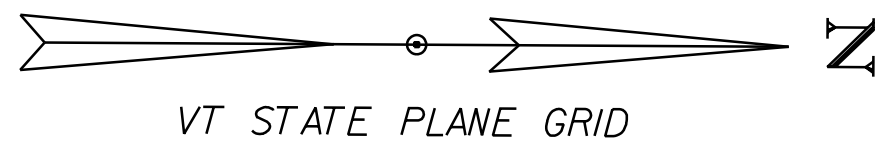
LEGEND

- FLOW OF TRAFFIC
- REFLECTORIZED PLASTIC DRUM
- ⬢

FLASHING ARROW PANEL
- TYPE III BARRICADE
- ⊠

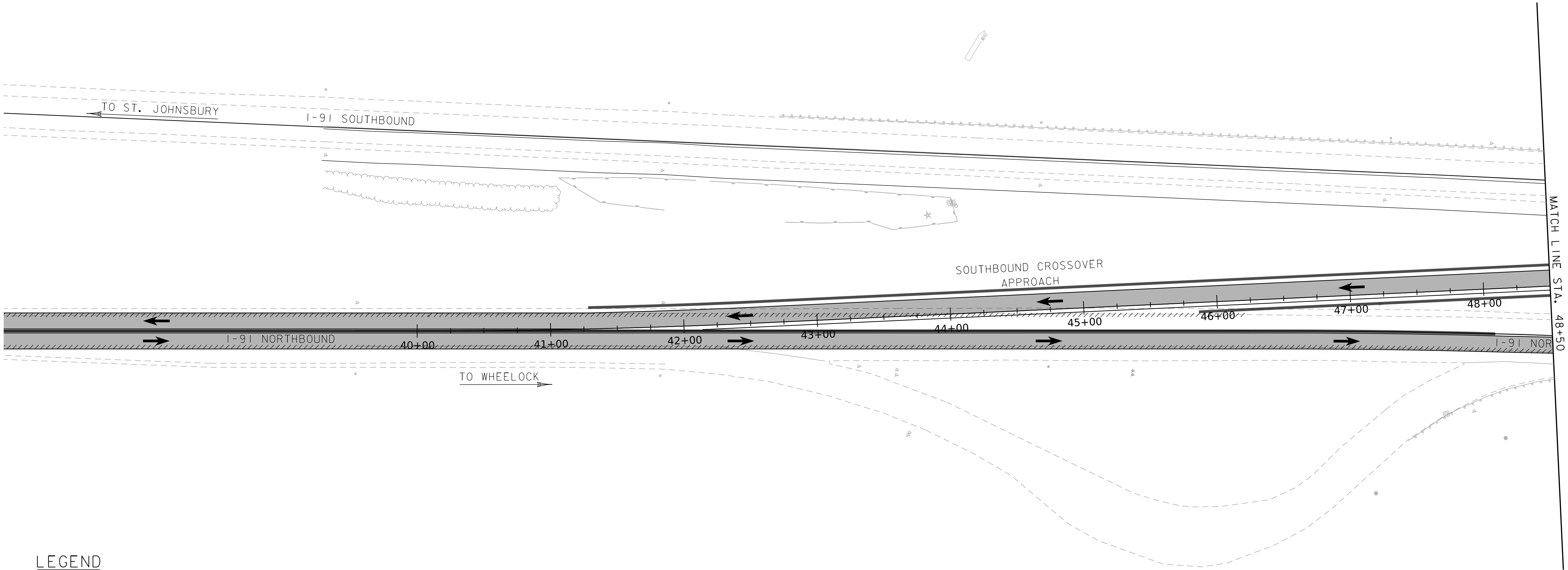
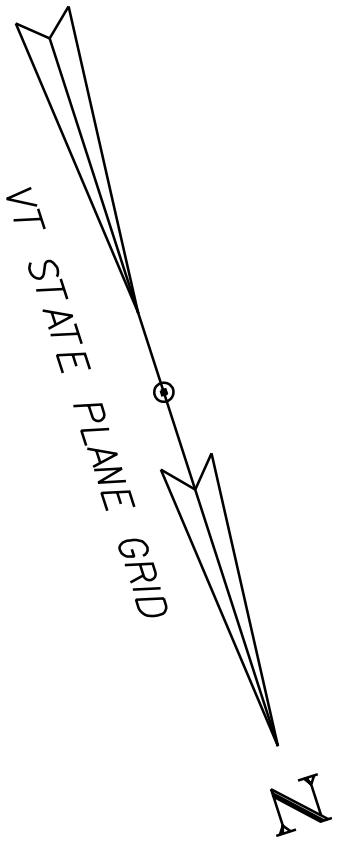
TYPE III (MOD.) BARRICADE
- ////

PAVEMENT MARKING REMOVAL
- TEMPORARY BARRIER
- TYPE I DELINEATOR (WHITE)
- TYPE I DELINEATOR (YELLOW)



PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a189_bdr_tcp_SB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	30 OF 40
DESIGNED BY:	T.D. BURT		
SB CROSSOVER EXIT SHEET 3			

TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1



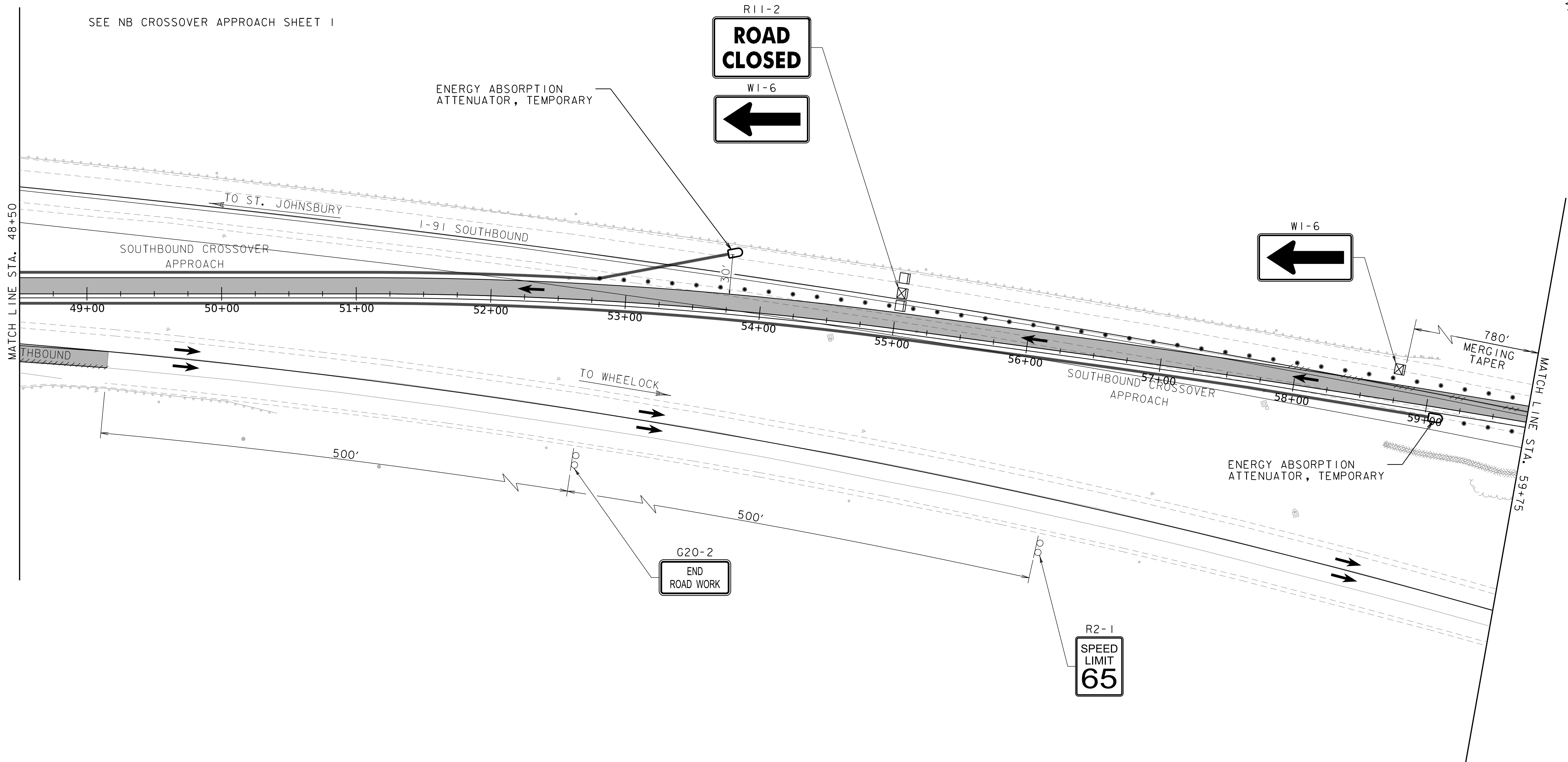
LEGEND

- | | | | |
|--|----------------------------|--|----------------------------|
| | FLOW OF TRAFFIC | | PAVEMENT MARKING REMOVAL |
| | REFLECTORIZED PLASTIC DRUM | | TEMPORARY BARRIER |
| | FLASHING ARROW PANEL | | TYPE I DELINEATOR (WHITE) |
| | TYPE III BARRICADE | | TYPE I DELINEATOR (YELLOW) |
| | TYPE III (MOD.) BARRICADE | | |



PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a189_bdr_tcp_SB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	31 OF 40
DESIGNED BY:	T.D. BURT		
SB CROSSOVER APPROACH SHEET 1			

TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1



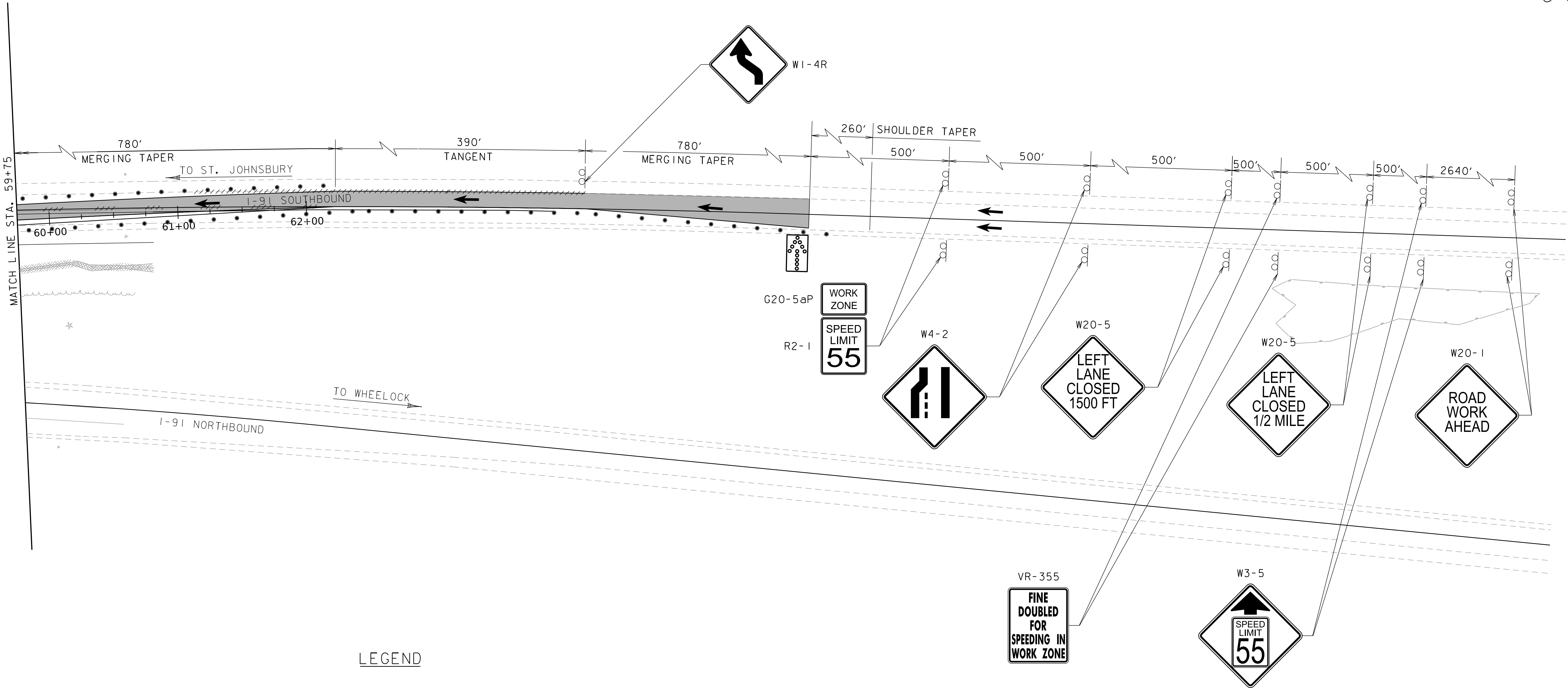
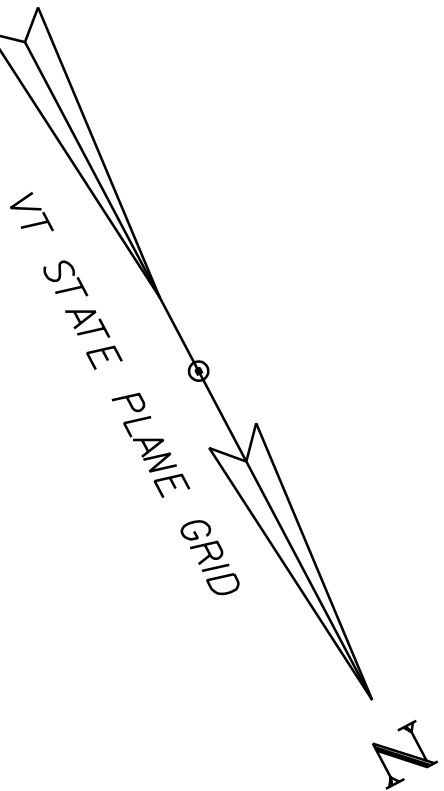
LEGEND

- | | | | |
|---|----------------------------|-------|----------------------------|
| → | FLOW OF TRAFFIC | ///// | PAVEMENT MARKING REMOVAL |
| • | REFLECTORIZED PLASTIC DRUM | — | TEMPORARY BARRIER |
| ⬢ | FLASHING ARROW PANEL | ○ | TYPE I DELINEATOR (WHITE) |
| □ | TYPE III BARRICADE | ● | TYPE I DELINEATOR (YELLOW) |
| ⊠ | TYPE III (MOD.) BARRICADE | | |



PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19al89_bdr_tcp_SB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	32 OF 40
DESIGNED BY:	T.D. BURT		
SB CROSSOVER APPROACH SHEET 2			

TRAFFIC CONTROL NOTES:
SEE NB CROSSOVER APPROACH SHEET 1

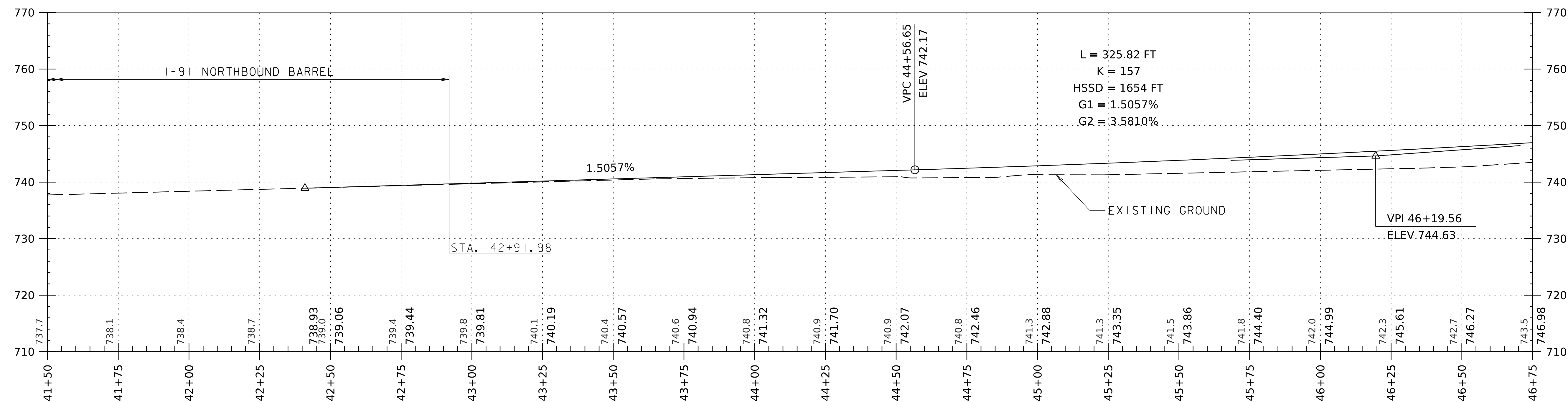


LEGEND

- | | | | |
|---|----------------------------|-------|----------------------------|
| → | FLOW OF TRAFFIC | ///// | PAVEMENT MARKING REMOVAL |
| • | REFLECTORIZED PLASTIC DRUM | — | TEMPORARY BARRIER |
| ◻ | FLASHING ARROW PANEL | —○ | TYPE I DELINEATOR (WHITE) |
| ◻ | TYPE III BARRICADE | —● | TYPE I DELINEATOR (YELLOW) |
| ⊠ | TYPE III (MOD.) BARRICADE | | |



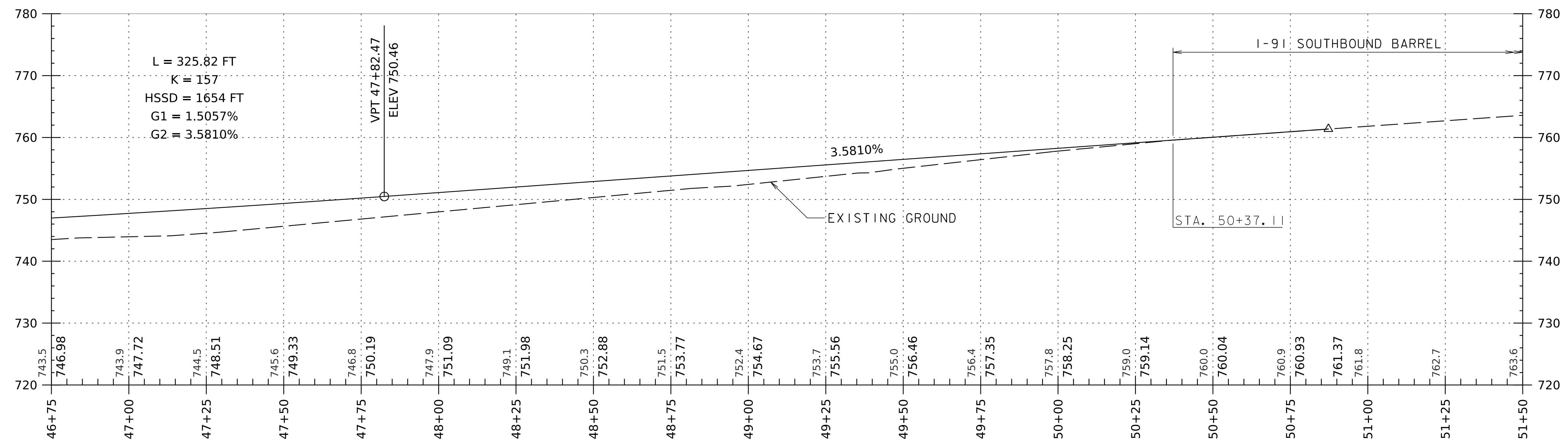
PROJECT NAME:	LYNDON	PLOT DATE:	23-JUN-2023
PROJECT NUMBER:	IM 09I-3(53)	DRAWN BY:	T.D. BURT
FILE NAME:	z19a189_bdr_tcp_SB.dgn	CHECKED BY:	J.D. BACHIOCHI
PROJECT LEADER:	A.P. GUYETTE	SHEET	33 OF 40
DESIGNED BY:	T.D. BURT		
SB CROSSOVER APPROACH SHEET 3			



NB CROSSOVER - APPROACH PROFILE

41+50 - 46+75

SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



NB CROSSOVER - APPROACH PROFILE

46+75 - 51+50

SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

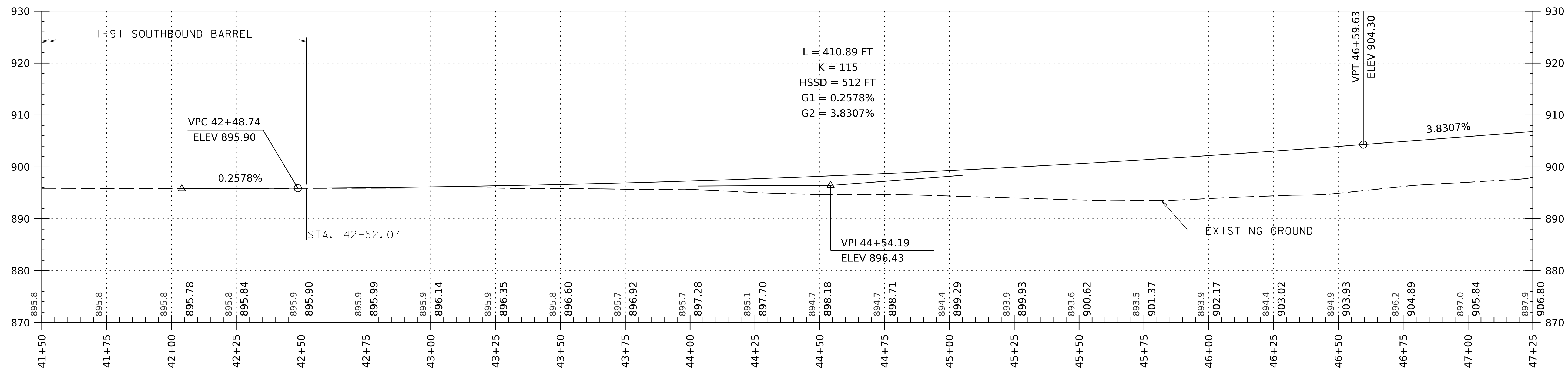
THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)

PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

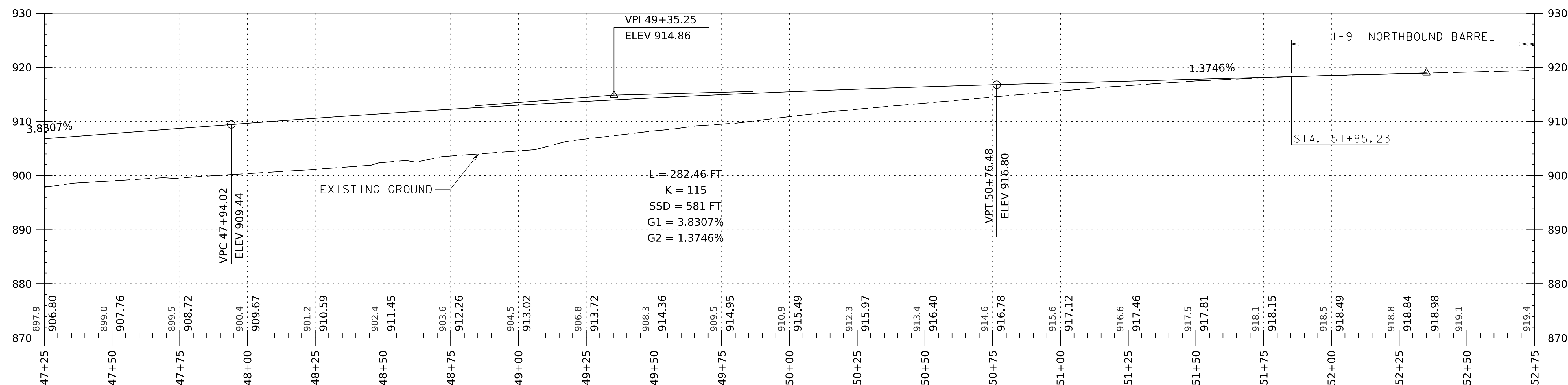
FILE NAME: z19a189pro_NB Approach.dgn PLOT DATE: 23-JUN-2023
PROJECT LEADER: A.P. GUYETTE DRAWN BY: T.D. BURT
DESIGNED BY: T.D. BURT CHECKED BY: J.D. BACHIOCHI
NB CROSSOVER - APPROACH PROFILE I SHEET 34 OF 40





NB CROSSOVER - EXIT PROFILE

41+50 - 47+25
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



NB CROSSOVER - EXIT PROFILE

47+25 - 52+75
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL
GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH
GRADES ALONG THE PROPOSED ALIGNMENT.

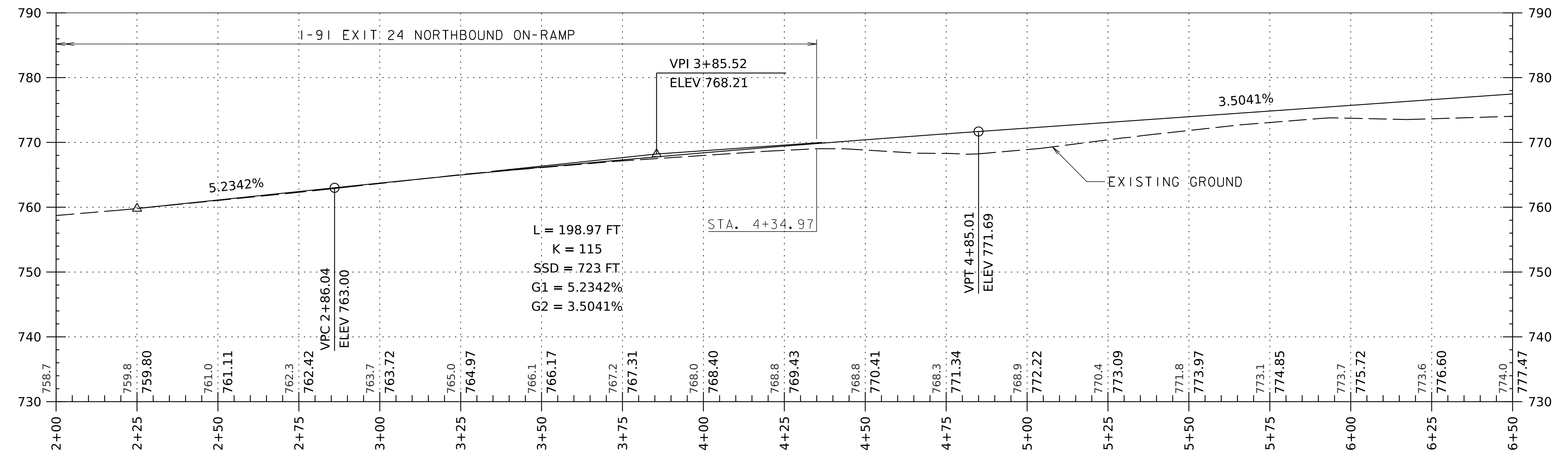
STATIONING AND ELEVATIONS IN FEET (TYP.)

PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19a189pro-NB Exit.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
NB CROSSOVER - EXIT PROFILE I

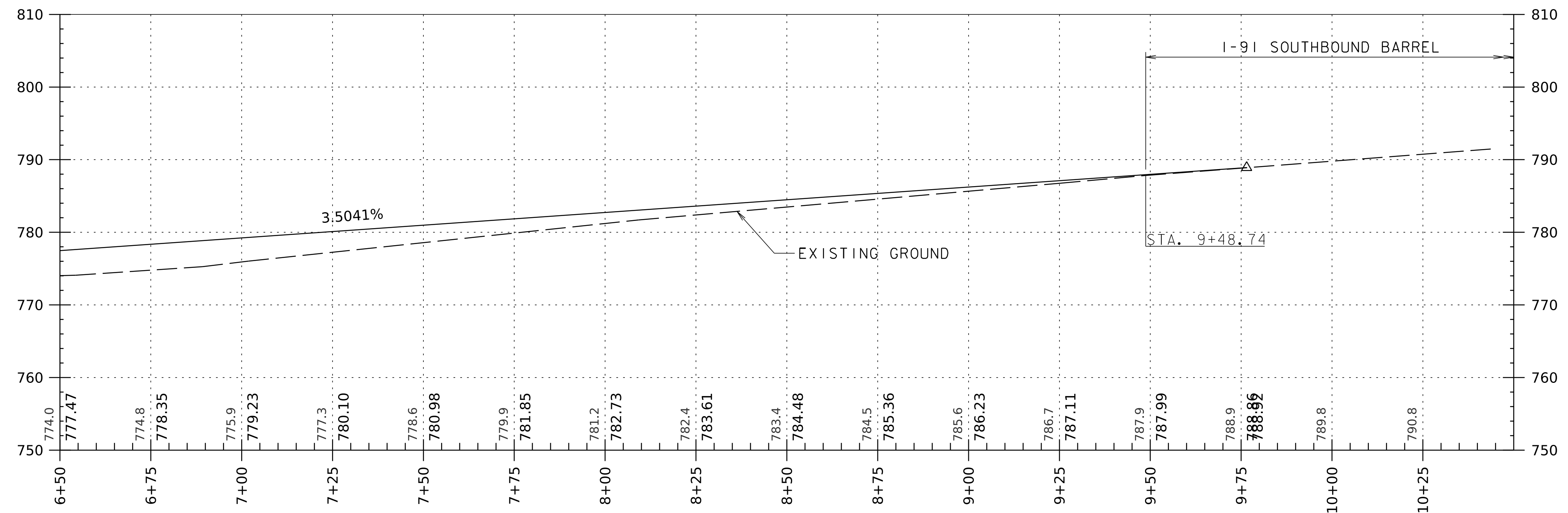
PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 35 OF 40





NB CROSSOVER - ON-RAMP PROFILE

2+00 - 6+50
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



NB CROSSOVER - ON-RAMP PROFILE

6+50 - 10+25
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

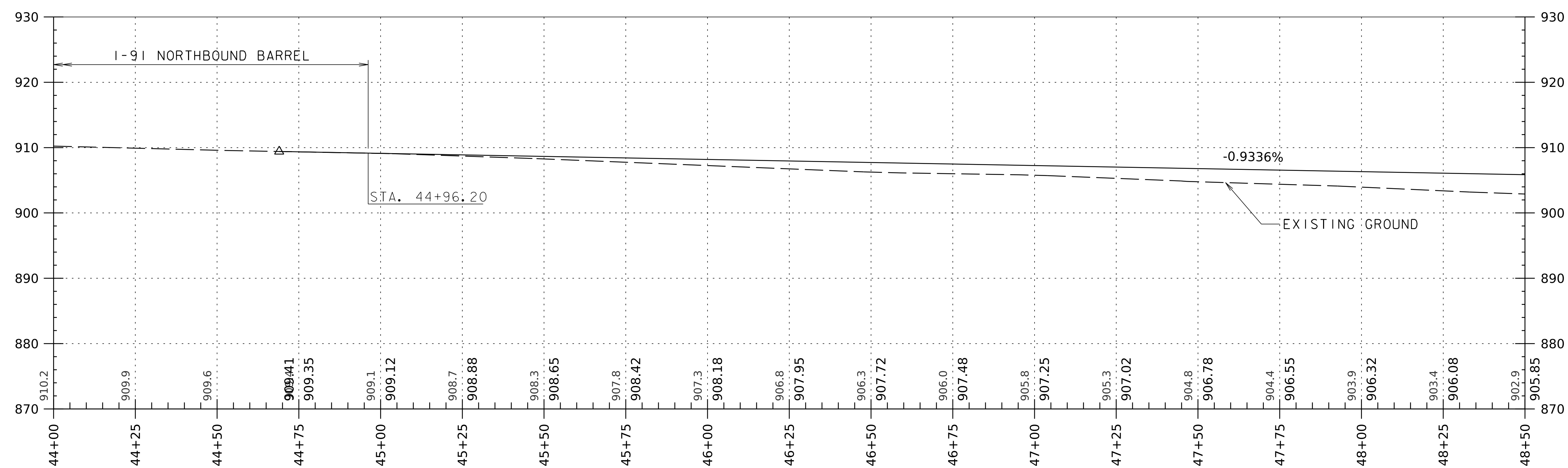
STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19a189pro-NB OnRamp.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
NB CROSSOVER - ON-RAMP PROFILE I

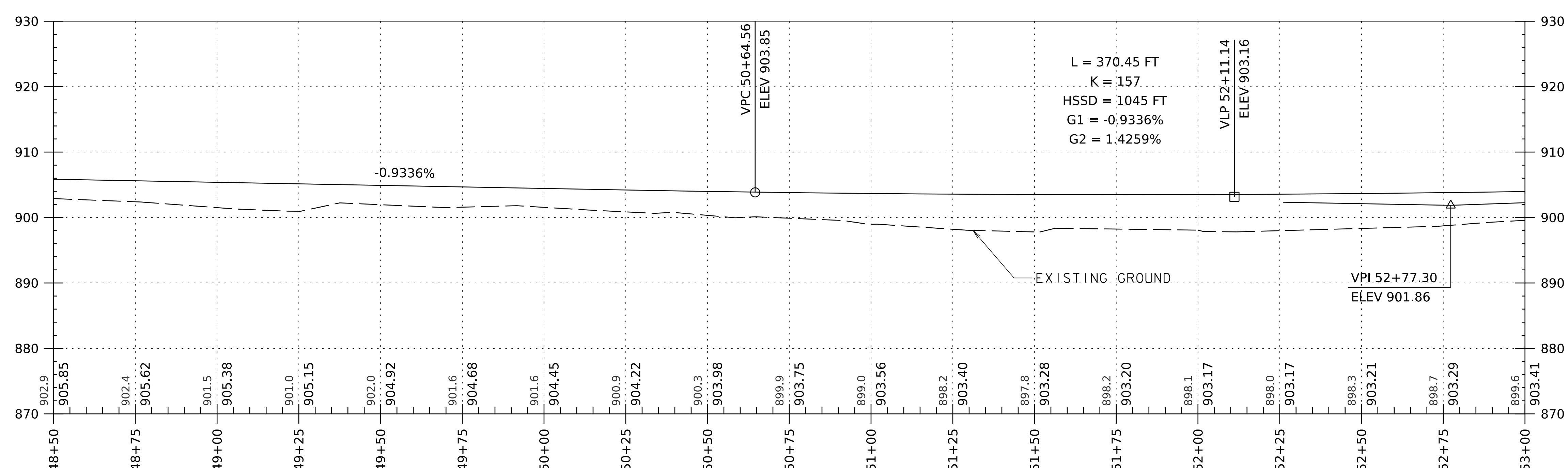
PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 36 OF 40



SB CROSSOVER - APPROACH PROFILE

44+00 - 48+50

SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL



SB CROSSOVER - APPROACH PROFILE

48+50 - 53+00

SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

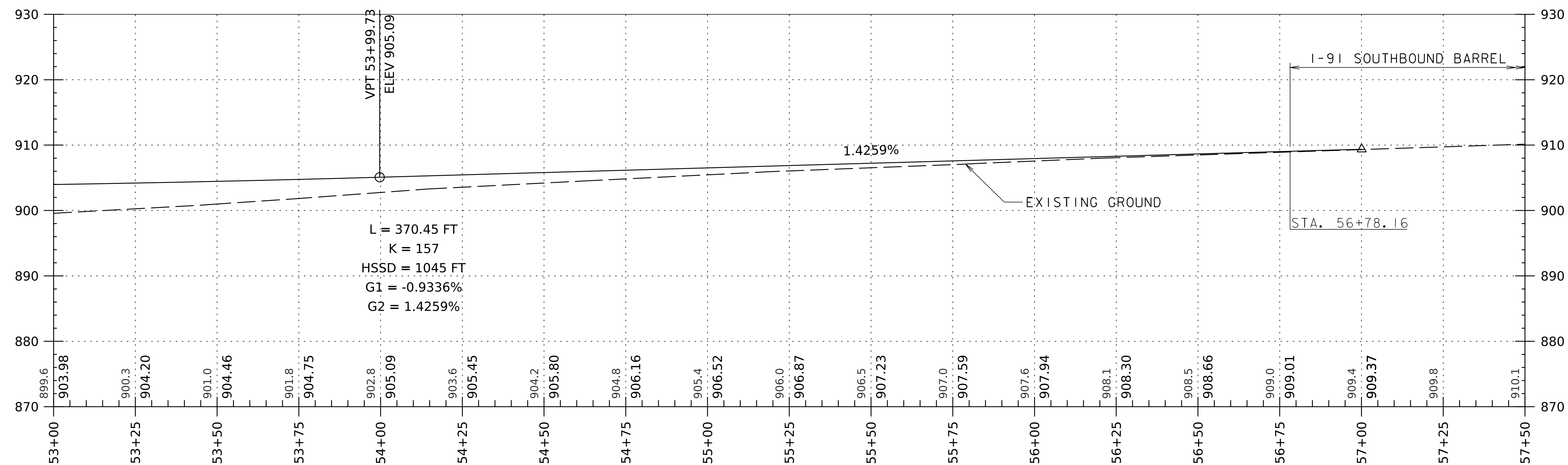
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME:	LYNDON
PROJECT NUMBER:	IM 091-3(53)
FILE NAME:	z19a189pro-SB Approach.dgn
PROJECT LEADER:	A.P. GUYETTE
DESIGNED BY:	T.D. BURT
SB CROSSOVER - APPROACH PROFILE I	
PLOT DATE:	23-JUN-2023
DRAWN BY:	T.D. BURT
CHECKED BY:	J.D. BACHIOCHI
SHEET	37 OF 40



SB CROSSOVER - APPROACH PROFILE

53+00 - 57+50
SCALE 1" = 20' HORIZONTAL
1" = 10' VERTICAL

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: LYNDON

PROJECT NUMBER: IM 09I-3(53)

FILE NAME: z19a189pro-SB Approach.dgn

PROJECT LEADER: A.P. GUYETTE

DESIGNED BY: T.D. BURT

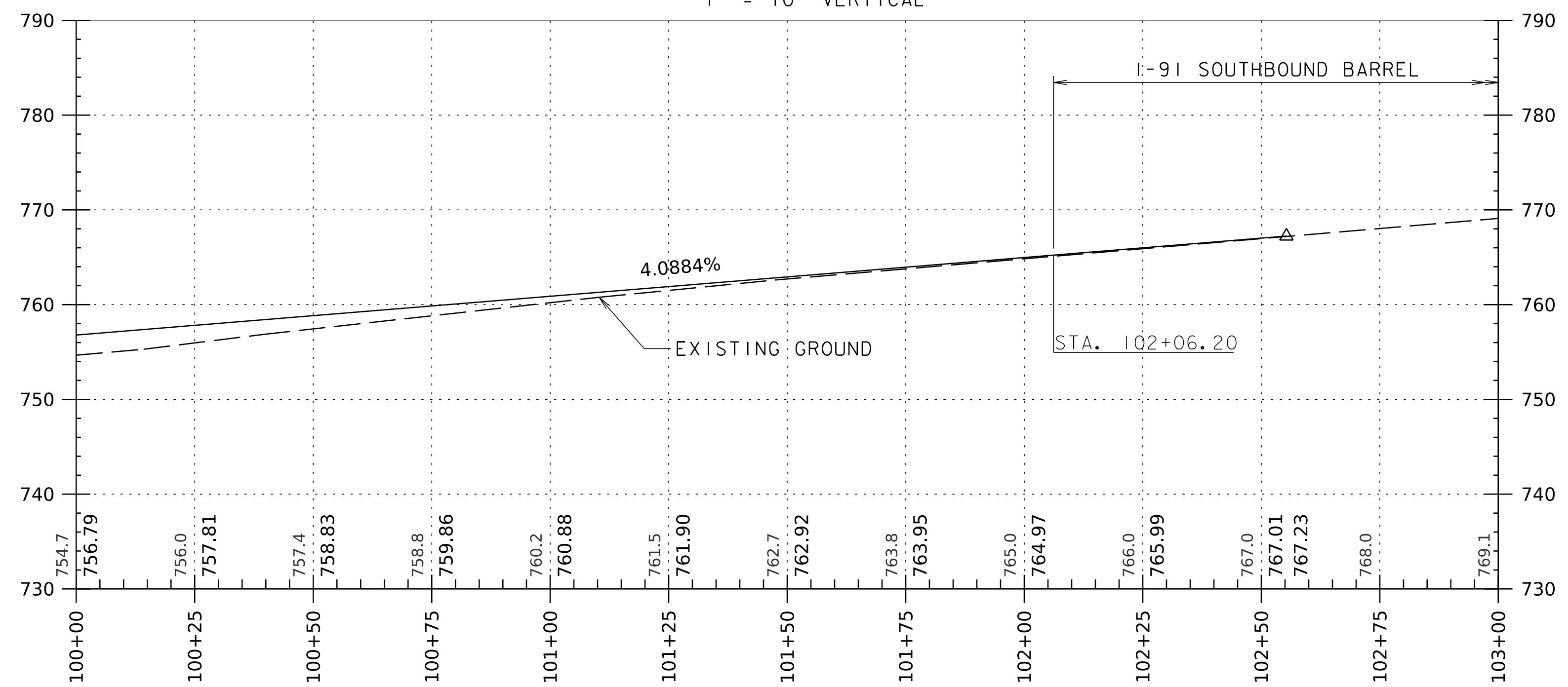
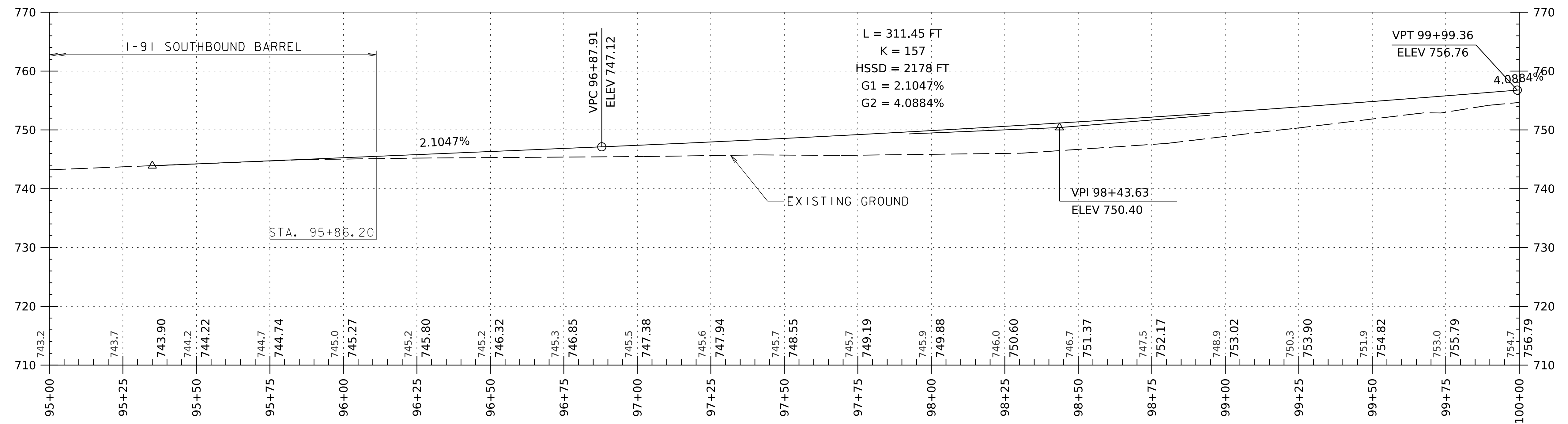
SB CROSSOVER - APPROACH PROFILE 2

PLOT DATE: 23-JUN-2023

DRAWN BY: T.D. BURT

CHECKED BY: J.D. BACHIOCHI

SHEET 38 OF 40



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

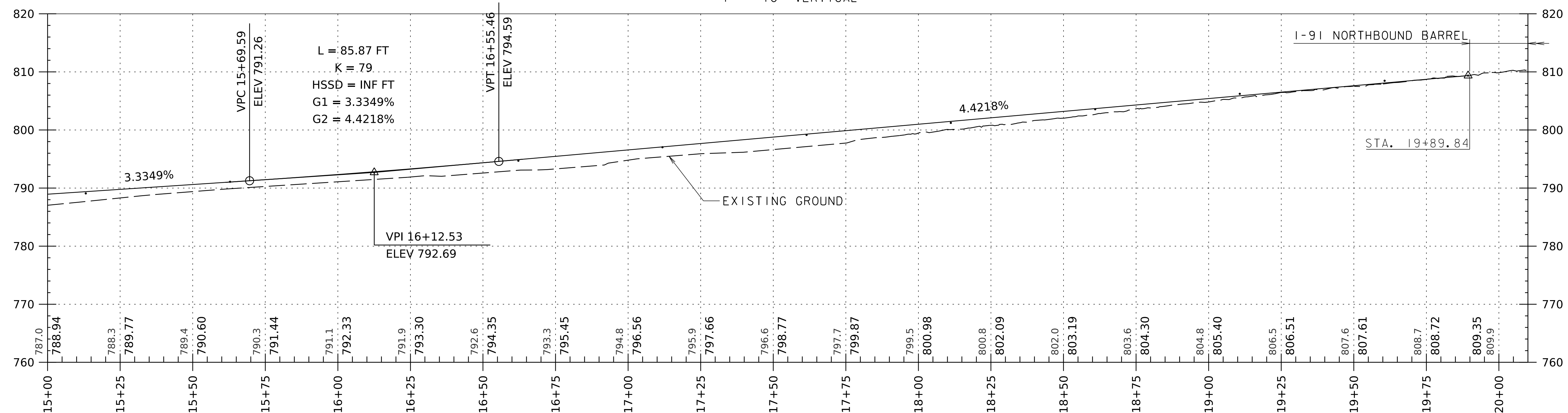
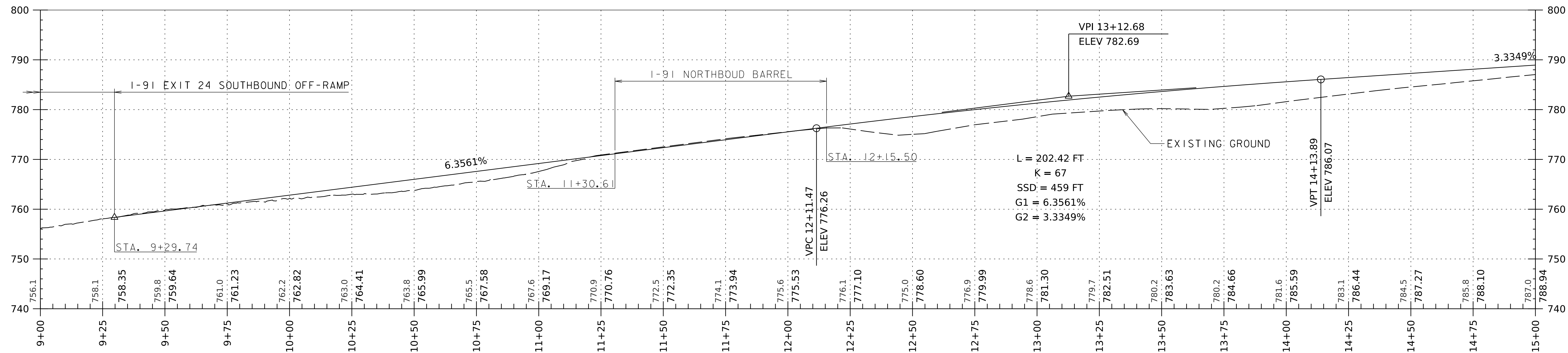
STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

FILE NAME: z19a189pro-SB Exit.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
SB CROSSOVER - EXIT PROFILE I

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 39 OF 40



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)



PROJECT NAME: LYNDON
PROJECT NUMBER: IM 091-3(53)

FILE NAME: z19a189pro-SB OffRamp.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: T.D. BURT
SB CROSSOVER - OFF-RAMP PROFILE I

PLOT DATE: 23-JUN-2023
DRAWN BY: T.D. BURT
CHECKED BY: J.D. BACHIOCHI
SHEET 40 OF 40