REVIEWER NOTES:

- I. THE BRIDGE WILL BE CLOSED FOR A THREE WEEK PERIOD.

 NO TEMPORARY LANE CLOSURES WILL BE ALLOWED PRIOR TO OR

 AFTER THE BRIDGE CLOSURE PERIOD.
- 2. THE STATE OF VERMONT IS RESPONSIBLE FOR SIGNING A DETOUR ROUTE. THE PROPOSED DETOUR FOR PASSENGER CARS IS US ROUTE 4/ELM STREET/ VT 12 (PLEASANT STREET)/US ROUTE 4. SINCE THIS ROUTE HAS SIDEWALKS IT IS APPROPRIATE FOR PEDESTRIANS. DUE TO GEOMETRIC CONSTRAINTS OF THIS DETOUR, A REGIONAL DETOUR ON US ROUTE 4/VT ROUTE 12/US ROUTE 5 (VT ROUTE 12)/VT ROUTE 44/VT 106/US ROUTE 4 IS PROPOSED FOR TRUCKS AND RVS.
- 3. RIGHT-OF-WAY ACQUISITION IS EXPECTED.
- 4. SEVEN CONDUITS WITH FOUR FAIRPOINT, TWO COMCAST, AND ONE GREEN MOUNTAIN POWER LINE ARE UNDER THE NORTH SIDE OF THE STRUCTURE. DRAINAGE PIPES ENTER THE BROOK AT ALL FOUR CORNERS OF THE STRUCTURE. ALL OF THESE UTILITIES WILL NEED TO BE CONSIDERED FOR RELOCATION OR REMOVAL.

STATE OF VERMONT AGENCY OF TRANSPORTATION



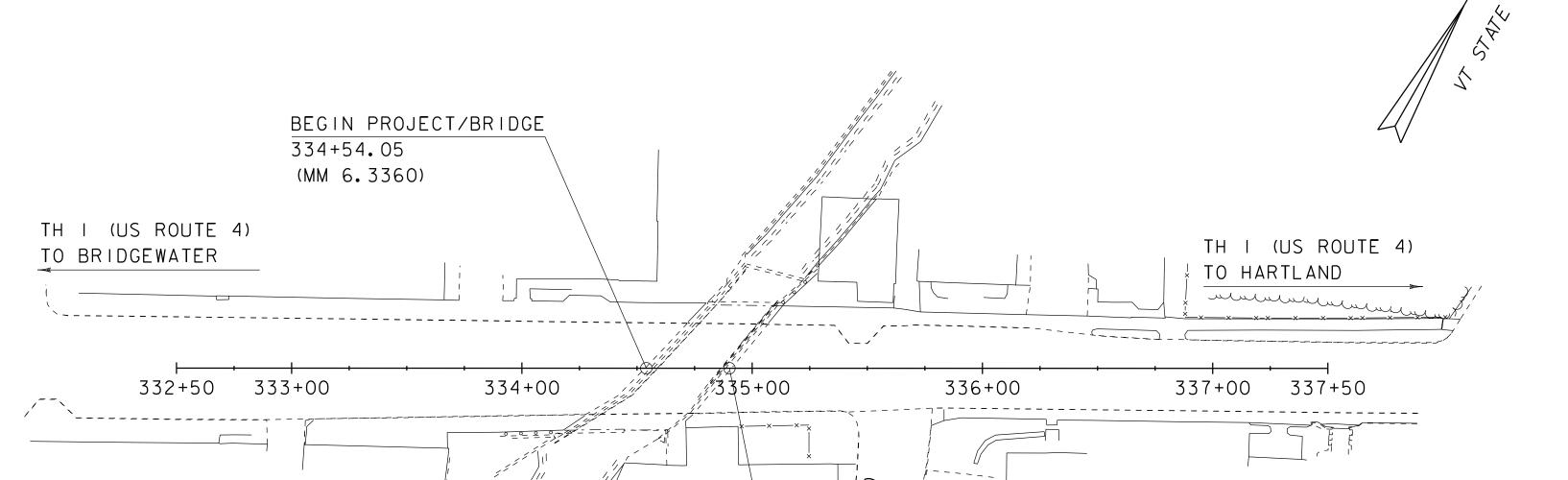
PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF WOODSTOCK VILLAGE COUNTY OF WINDSOR

ROUTE NO: TH I/US 4 (CLASS I), VILLAGE PRINCIPAL ARTERIAL, BRIDGE NO: BR 51 PROJECT LOCATION: ON US 4 APPROXIMATELY 0.2 MILES EAST OF THE JUNCTION WITH VT ROUTE 106 (OVER KEDRON BROOK)

PROJECT DESCRIPTION: REPLACEMENT OF EXISTING SUPERSTRUCTURE

LENGTH OF STRUCTURE: 36.09 FEET LENGTH OF ROAD: 0.00 FEET LENGTH OF PROJECT: 36.09 FEET



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM: LEVEL 2

VERTICAL NAVD 88
HORIZONTAL NAD 83 (2011)

SURVEYED BY: RG
SURVEYED DATE: 5-23-2014

DATUM

END BRIDGE/PROJECT
334+90.14

CALE I'' = 40'-0'

(MM 6.3428)

PRELIMINARY PLANS

BF 020-2 (43)

25-JUL-2016

CANADA

Commonwealth of MASSACHUSETTS

State of NEW HAMPSHIRE

OTTAUQUECHEE

TH I/US 4

CENTRAL STREET

WOODSTOCK VILLAGE

BF 020-2 (43)

DIRECTOR OF PROJECT DELIVERY

APPROVED ______ DATE _____

PROJECT MANAGER: ROB YOUNG, P.E.

PROJECT NAME: WOODSTOCK VILLAGE

SHEET I OF 24 SHEETS

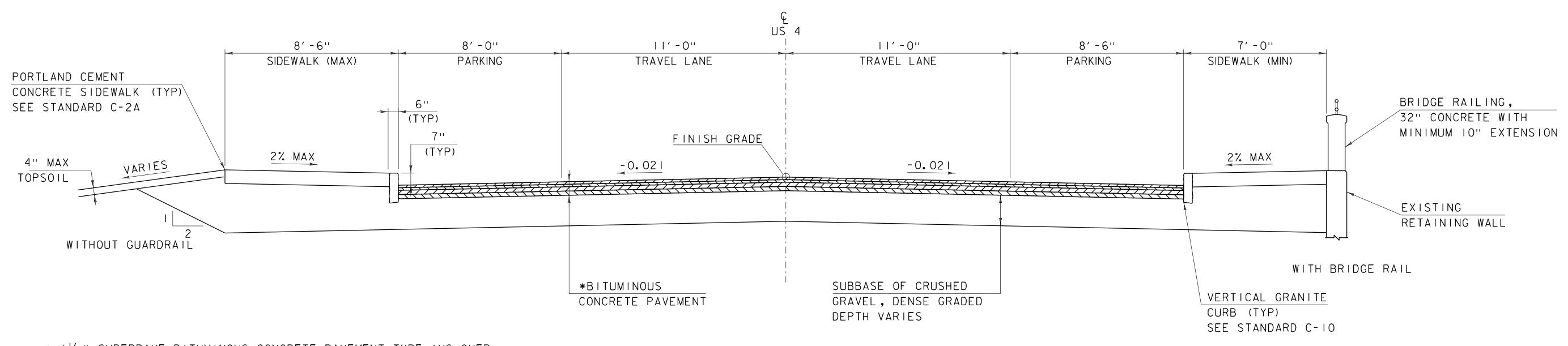
PROJECT NUMBER:

STATE OF VERMONT AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

LRFD

	INDEX OF SHEETS		FINAL HYDR	AULIC REPORT
PLAN SHEETS		ARDS LIST	HYDROLOGIC DATA Date: May 2016	PROPOSED STRUCTURE
1 TITLE SHEET 2 PRELIMINARY INFORMATION SHEET 3 TYPICAL SECTIONS 4 TYPICAL ABUTMENT EARTHWORKS SECTION	C-2A ADJACENT TO CURB C-10 CURBING E-193 PAVEMENT MARKING DETAILS T-45 SQUARE TUBE SIGN POST AND ANCHOR	10-14-2005 39489 08-18-1995 01-02-2013	DRAINAGE AREA: 16.0 sq. mi. CHARACTER OF TERRAIN: Hilly, mixture woods and open, rural and urban settings STREAM CHARACTERISTICS: Incised, sinuous and alluvial	STRUCTURE TYPE: CLEAR SPAN(NORMAL TO STREAM): 21'
5 - 6 QUANTITY SHEETS 7 SYMBOLOGY LEGEND 8 TIE SHEET			NATURE OF STREAMBED : Gravel and cobbles PEAK FLOW DATA - ANNUAL EXCEEDANCE PROBABILITY (AEP)	VERTICAL CLEARANCE ABOVE STREAMBED: 10.3' WATERWAY OF FULL OPENING: 212 sq. ft.
9 LAYOUT SHEET 10 MAINLINE PROFILE 11 SIDEWALK DETAILS 12 UTILITY LAYOUT 13 SIGN AND PAVEMENT MARKINGS SHEET			43% = 700 cfs 2% = 2500 cfs 10% = 1500 cfs 1% = 3000 cfs 4% = 2000 cfs 0.2% = 4200 cfs	WATER SURFACE ELEVATIONS AT: 43% AEP = 691.2' 10% AEP = 694.4' 4% AEP = 695.9' VELOCITY= 5.0 fps 7.5 fps 9.4 fps
14 RAIL LAYOUT 15 PASSENGER CAR DETOUR 16 REGIONAL TRUCK DETOUR			DATE OF FLOOD OF RECORD : Unknown ESTIMATED DISCHARGE: Unknown WATER SURFACE ELEV.: Unknown	4% AEP = 695.9' 2% AEP = 697.3' 1% AEP = 698.3' " 9.4 fps 10.7 fps 11.1 fps
17 - 18 MAINLINE CROSS SECTIONS 19 - 22 CHANNEL CROSS SECTIONS 23 EPSC EXISTING SITE PLAN 24 EPSC PLAN			NATURAL STREAM VELOCITY : @ 2% AEP = 10.3 fps ICE CONDITIONS : Moderate DEBRIS: Light to moderate DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? No	IS THE ROADWAY OVERTOPPED BELOW 1% AEP: Yes FREQUENCY: Below 2% AEP RELIEF ELEVATION: 697.2' DISCHARGE OVER ROAD @ 1% AEP: 430 cfs
			IS ORDINARY RISE RAPID? No IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? Yes IF YES, DESCRIBE: Small dam downstream that backwaters this site	BRIDGE LOW CHORD ELEVATION: FREEBOARD: @ 2% AEP = -3.0'
STRUCTURES DETAIL SHEETS			WATERSHED STORAGE: <1% HEADWATERS: UNIFORM: X	SCOUR: Calculated scour @ 2% AEP = 5.7'. Minimum design value = 6.0' REQUIRED CHANNEL PROTECTION: Stone Fill, Type IV
STRUCTURES DETAIL SHEETS			IMMEDIATELY ABOVE SITE:	PERMIT INFORMATION
			STRUCTURE TYPE: Concrete T-beam YEAR BUILT: 1935	AVERAGE DAILY FLOW: DEPTH OR ELEVATION: ORDINARY LOW WATER: ORDINARY HIGH WATER:
			CLEAR SPAN(NORMAL TO STREAM): 21' VERTICAL CLEARANCE ABOVE STREAMBED: 10.3' WATERWAY OF FULL OPENING: 212 sq. ft.	TEMPORARY BRIDGE REQUIREMENTS
			DISPOSITION OF STRUCTURE: TYPE OF MATERIAL UNDER SUBSTRUCTURE: WATER SURFACE ELEVATIONS AT: Remove and replace superstructure See borings	STRUCTURE TYPE: CLEAR SPAN (NORMAL TO STREAM): VERTICAL CLEARANCE ABOVE STREAMBED: WATERWAY AREA OF FULL OPENING:
			43% AEP = 691.2' VELOCITY = 5.0 fps 10% AEP = 694.4' " 7.5 fps 4% AEP = 695.9' " 9.4 fps	ADDITIONAL INFORMATION
			2% AEP = 697.3' " 10.7 fps 1% AEP = 698.3' " 11.1 fps	
			LONG TERM STREAMBED CHANGES: None noted	TRAFFIC MAINTENANCE NOTES 1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR.
			IS THE ROADWAY OVERTOPPED BELOW 1% AEP: Yes FREQUENCY: Below 2% AEP	2. TRAFFIC SIGNALS ARE NOT NECESSARY. 3. SIDEWALKS ARE NOT NECESSARY.
			RELIEF ELEVATION: 697.2' DISCHARGE OVER ROAD @ 1% AEP: 430 cfs	DESIGN VALUES 1. DESIGN LIVE LOAD HL-93
			TOWN: Woodstock DISTANCE: 400'	2. FUTURE PAVEMENTdp: 3.0 INCH3. DESIGN SPANL: VARIES FT
			HIGHWAY#: STRUCTURE #: CLEAR SPAN: CLEAR HEIGHT: YEAR BUILT: FULL WATERWAY: STRUCTURE TYPE: Pedestrian Bridge	4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS) 5. PRESTRESSING STRAND (0.60 INCH DIAMETER - LOW RELAX) 6. PRESTRESSED CONCRETE STRENGTH 7. PRESTRESSED CONCRETE RELEASE STRENGTH 6. f'c: 7. PRESTRESSED CONCRETE RELEASE STRENGTH
			DOWNSTREAM STRUCTURE TOWN: Woodstock Village DISTANCE: 470'	8. CONCRETE, HIGH PERFORMANCE CLASS AA 9. CONCRETE, HIGH PERFORMANCE CLASS A 10. CONCRETE, HIGH PERFORMANCE CLASS B 11. CONCRETE, CLASS C 12. CONCRETE, CLASS C 13. CONCRETE, CLASS C
			HIGHWAY#: TH 5 STRUCTURE #: 71 CLEAR SPAN: 25' CLEAR HEIGHT: YEAR BUILT: 1950 FULL WATERWAY: STRUCTURE TYPE: Concrete T-beam bridge	12. REINFORCING STEEL 13. STRUCTURAL STEEL AASHTO M270 14. NOMINAL BEARING RESISTANCE OF SOIL 15. 60 KSI 17. 60 KSI 18. 60 KSI 19. 60 KSI
			LRFR LOAD RATING FACTORS	14. NOMINAL BEARING RESISTANCE OF SOIL 15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) 16. NOMINAL BEARING RESISTANCE OF ROCK 17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) 18. OOMINAL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) 19
			LOADING LEVELS TRUCK H-20 HL-93 3S2 6 AXLE 3A STR. 4A STR. 5A SEMI	
			TONNAGE 20 36 36 66 30 34.5 38 INVENTORY POSTING INVENTORY INV	19. LATERAL PILE DEFLECTION Δ: 20. BASIC WIND SPEED V3s: 21. MINIMUM GROUND SNOW LOAD pg: 22. SEISMIC DATA PGA: 0 Ss:
			OPERATING COMMENTS:	22. SEISIMIC DATA FGA. 0 33 S1: 23.
		AS BUILT "REBAR" DETAIL LEVEL II LEVEL III LEVEL III		24
		TYPE: TYPE: TYPE: GRADE: GRADE:	_	PROJECT NAME: WOODSTOCK VILLAGE
TRAFFIC DATA				PROJECT NUMBER: BF 020-2(43)
2017 10000 1100 55 3.1 450 40 year	ESAL for flexible pavement from 2017 to 2037 : 3867000 ESAL for flexible pavement from 2017 to 2057 : 8988000			FILE NAME: s13j280pi.dgn PLOT DATE: 25-JUL-2016 PROJECT LEADER: R. YOUNG DRAWN BY: S. COLEY DESIGNED BY: S. COLEY CHECKED BY: W. LAMMER
2037 10600 1200 55 4.6 700 Design	Speed: 25 mph	,		PRELIMINARY INFORMATION SHEET SHEET 2 OF 24



* 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS OVER 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS OVER 2/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IIS OVER 2/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IIS

+/- |"

PROPOSED US 4 TYPICAL SECTION

SCALE 3/8" = 1'-0"

MATERIAL TOLERANCES
(IF USED ON PROJECT)

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

SUBBASE +/- I"

SAND BORROW

BRIDGE 56'-0" FASCIA TO FASCIA 54'-0" RAIL TO RAIL 8' -6" 8'-0" 11'-0" 8'-6" 11'-0" 7' -0" SIDEWALK (MAX) PARKING TRAVEL LANE TRAVEL LANE PARKING SIDEWALK (MIN) BRIDGE RAILING, MEMBRANE WATERPROOFING, 32" CONCRETE WITH SPRAY APPLIED MINIMUM 10" EXTENSION 7'' (TYP) IO" MIN. METAL RAIL, (TYP) FINISH GRADE TBD (TYP) 2% MAX 2% MAX -0.021 -0.021 **BITUMINOUS SUPERSTRUCTURE 6" TO DRIP

CONCRETE PAVEMENT

** 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS OVER 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS

PROPOSED BRIDGE TYPICAL SECTION

SCALE 3/8" = 1'-0"

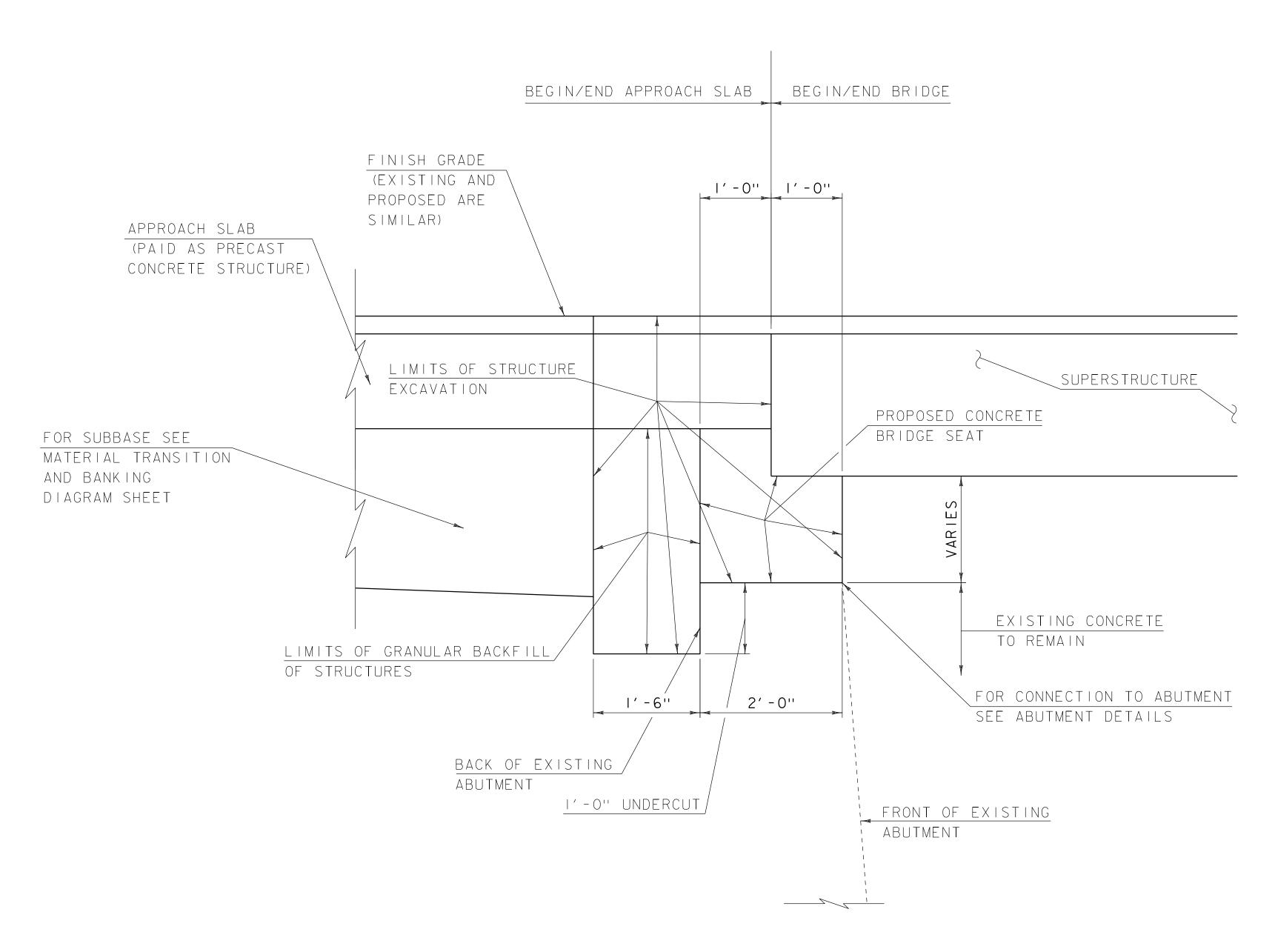
TO BE DETERMINED

PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

NOTCH (TYP)

FILE NAME: sl3j280typical.dgn
PROJECT LEADER: R. YOUNG
DESIGNED BY: S. COLEY
TYPICAL SECTIONS

PLOT DATE: 25-JUL-2016
DRAWN BY: S. COLEY
CHECKED BY: W. LAMMER
SHEET 3 OF 24



TYPICAL ABUTMENT EARTHWORK SECTION SCALE: |" = |'-0"

PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

FILE NAME: sI3j280typical PROJECT LEADER: R. YOUNG DESIGNED BY: S. COLEY

PLOT DATE: 25-JUL-2016 DRAWN BY: S. COLEY CHECKED BY: -----TYPICAL ABUTMENT EARTHWORKS SECTION SHEET 4 OF 24

STATE OF VERMONT AGENCY OF TRANSPORTATION

QUANTITY SHEET

	SUMN	IARY OF ESTIMATED QU	IANTITIES				тот	ΓALS	DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES	
							GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES UNIT ITEMS
			1				1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10		EARTHWORKS SUMMARY
			380				380		CY	COMMON EXCAVATION	203.15		FILL AVAILABLE
					100		100		CY	STRUCTURE EXCAVATION	204.25		380 CY COMMON EXCAVATION (400 X 1.0)
					35		35		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30		380 CY TOTAL FILL AVAILABLE
			260				260		CY	SUBBASE OF CRUSHED GRAVEL, COARSE GRADED	301.25		FILL REQUIRED 0 CY FILL
			6				6		CWT	EMULSIFIED ASPHALT	404.65		380 CY TOTAL WASTE
			215				215		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30		
					3		3		GAL	WATER REPELLENT, SILANE	514.10		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
					104		104		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10		107 TONS TYPE IIS 108 TONS TYPE IVS
					240		240		SY	MEMBRANE WATERPROOFING, SPRAY APPLIED	520.10		215 TONS TOTAL
					1		1		EACH	REMOVAL OF STRUCTURE	529.15		
										BEGIN OPTION AA			
					1		1		LS	PRECAST CONCRETE STRUCTURE (Approach Slab #1)	540.10		
					1		1		LS	SPECIAL PROVISION (Contractor Fabricated Precast Concrete Structure	900.645		
							· ·			(Approach Slab #1))	3333.5		
										END OPTION AA			
										BEGIN OPTION BB			
					1		1		LS	PRECAST CONCRETE STRUCTURE (Approach Slab #2)	540.10		
									LS	SPECIAL PROVISION (Contractor Fabricated Precast Concrete Structure (Approach Slab #2))	900.645		
										END OPTION BB			
			213				213		LF	VERTICAL GRANITE CURB	616.21		
			174				174		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	618.11		
			174			1	174		LS	FIELD OFFICE, ENGINEERS	631.10		
						1	1						
						1			LS	TESTING EQUIPMENT, CONCRETE TESTING FOLUDATION DETUNINGLIS	631.16		
						1 2000	1 0000		LS	TESTING EQUIPMENT, BITUMINOUS	631.17		
			000			3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26		
			336				336		LF	4 INCH WHITE LINE	646.20		
			300				300			4 INCH YELLOW LINE	646.21		
				35			35		SY	GEOTEXTILE FOR SILT FENCE	649.51		
				85			85		SY	GEOTEXTILE FOR FILTER CURTAIN	649.61		
				5			5		LB	FERTILIZER	651.18		
				1			1		TON	AGRICULTURAL LIMESTONE	651.20		
				1			1		TON	HAY MULCH	651.25		
				5			5		CY	TOPSOIL	651.35		
				1			1		LS	EPSC PLAN	652.10		
				10			10		HR	MONITORING EPSC PLAN	652.20		
				1			1		LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30		
				30			30		SY	TEMPORARY EROSION MATTING	653.20		
				121			121		LF	BARRIER FENCE	653.50		
			0.66				0.66		SF	TRAFFIC SIGNS, TYPE A	675.20		
				1			1	1	1			1	
												_	

PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280qs
PROJECT LEADER: R. YOUNG
DESIGNED BY: S. COLEY
QUANTITY SHEET I

PLOT DATE: 25-JUL-2016
DRAWN BY: S. COLEY
CHECKED BY: ----SHEET 5 OF 24

STATE OF VERMONT AGENCY OF TRANSPORTATION

QUANTITY SHEET

	SUN	MARY OF ES	STIMATED QUA	ANTITIES		тот	ALS	DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES	
						GRAND TOTAL	FINAL UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES UNIT ITEMS	
				18		18	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341			
				5		5	EACH	SPECIAL PROVISION (Parking Meter Posts)	900.620			
				3		3	EACH	SPECIAL PROVISION (Removal of Parking Meter Posts)	900.620			
					128	128	LF	SPECIAL PROVISION (Historic Bridge Rail)	900.640			
				15		15	LF	SPECIAL PROVISION (Pedestrian Hand Railing)	900.640			
				1		1	LS	SPECIAL PROVISION (CPM Schedule)	900.645			
				1		1		SPECIAL PROVISION (Traffic Control All - Inclusive)	900.645			
				216		216	SF		900.670			
					23	23	SF	SPECIAL PROVISION (Remove and Reset Retaining Wall)	900.670			
										_	BROJECT NAME: WOODSTOCK VIII ACE	

PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280qs
PROJECT LEADER: R. YOUNG
DESIGNED BY: S. COLEY
QUANTITY SHEET 2

PLOT DATE: 25-JUL-2016
DRAWN BY: S. COLEY
CHECKED BY: ----SHEET 6 OF 24

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.	ABBREV	IATIONS (CODES) & SYMBOLS
POINT	CODE	DESCRIPTION
	СН	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
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	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
\boxtimes	CALC	EXISTING ROW POINT
\bigcirc	PROW	PROPOSED ROW POINT
[LENG	TH]	LENGTH CARRIED ON NEXT SHEET
_	_	

COMMON TOPOCRAPHIC POINT SYMBOLS

COMMON	TOPOGR	APHIC POINT SYMBOLS
POINT	CODE	DESCRIPTION
4.3	APL	BOUND APPARENT LOCATION
⊡	ВМ	BENCHMARK
•	BND	BOUND
	СВ	CATCH BASIN
ø	COMB	COMBINATION POLE
	DITHR	DROP INLET THROATED DNC
<u> </u>	EL	ELECTRIC POWER POLE
⊙	FPOLE	FLAGPOLE
\odot	GASFIL	GAS FILLER
\odot	GP	GUIDE POST
×	GSO	GAS SHUT OFF
⊙	GUY	GUY POLE
⊙	GUYW	GUY WIRE
×	GV	GATE VALUE
	Н	TREE HARDWOOD
\triangle	HCTRL	CONTROL HORIZONTAL
\triangle	HVCTRL	CONTROL HORIZ. & VERTICAL
.	HYD	HYDRANT
(a)	IP	IRON PIN
⊚	IPIPE	IRON PIPE
$ \leftarrow $	LI	LIGHT - STREET OR YARD
5	MB	MAILBOX
\odot	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
$\overline{\circ}$	SIGN	SIGN
A	STUMP	STUMP
-0-	TEL	TELEPHONE POLE
0	TIE	TIE
0.0	TSIGN	SIGN W/DOUBLE POST
\downarrow	VCTRL	CONTROL VERTICAL
0	WELL	WELL
M	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

1 1101 036	D GLOWLIN 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
АН	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (IOOFT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

JNDERGROUND UTILI	
	UTILITY (GENERIC-UNKNOWN)
— UT — · · · –	
	ELECTRIC
	CABLE (TV)
— UEC — · · - · · -	
— UET — · · · · -	
— UCT — · · · · -	
	ELECTRIC+CABLE+TELEP.
— G — · · · -	
	WATER LINE
<u> </u>	SANITARY SEWER (SEPTIC)
ADOVE COOLIND LITTLE	
ABOVE GROUND UTIL	
	UTILITY (GENERIC-UNKNOWN)
	TELEPHONE
	ELECTRIC
	CABLE (TV)
	ELECTRIC+CABLE
	ELECTRIC+TELEPHONE
	ELECTRIC+TELEPHONE
	CABLE+TELEPHONE
	ELECTRIC+CABLE+TELEP.
	UTILITY POLE GUY WIRE
PROJECT CONSTRUCT	ION SYMBOLOGY
	LAYOUT SYMBOLOGY
- $-$ CZ $ -$	
	PLAN LAYOUT MATCHLINE

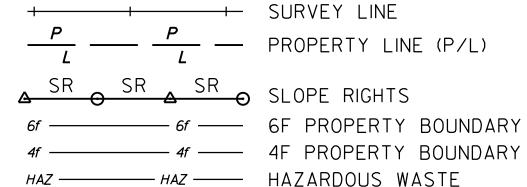
A A TOD OF CUT SLODE

<u> </u>	TOP OF CUT SLOPE
0 0 0	TOE OF FILL SLOPE
8 8 8 8 8	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

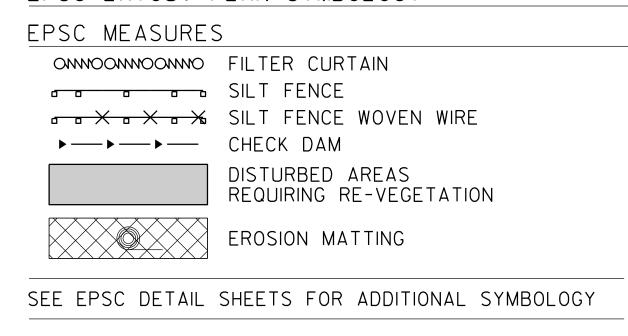
#### CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

#### TOWN BOUNDARY LINE COUNTY LINE COUNTY BOUNDARY LINE STATE BOUNDARY LINE — — — PROPOSED STATE R.O.W. ——— — STATE ROW ——— — TOWN ROW · - · - · - PERMANENT EASEMENT LINE (P) - - - - - - - TEMPORARY EASEMENT LINE (T)



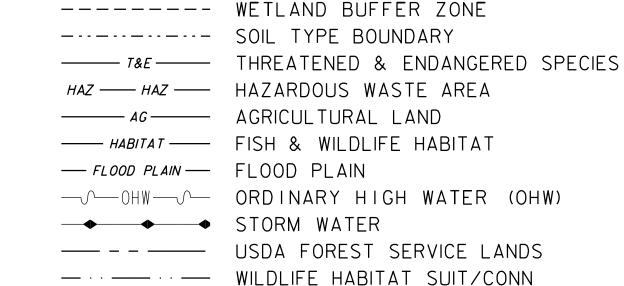
#### EPSC LAYOUT PLAN SYMBOLOGY



#### ENVIRONMENTAL RESOURCES

→ WETLAND BOUNDARY

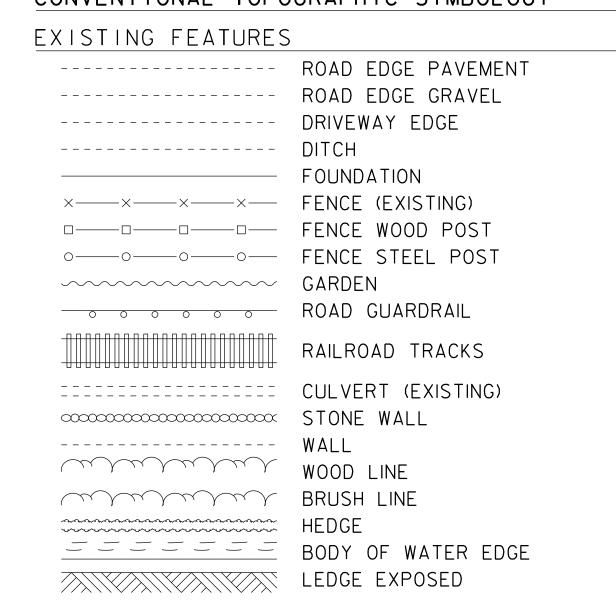
----- RIPARIAN BUFFER ZONE



#### ARCHEOLOGICAL & HISTORIC

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

#### CONVENTIONAL TOPOGRAPHIC SYMBOLOGY



PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280legend.dgn PROJECT LEADER: R. YOUNG DESIGNED BY: S. COLEY SYMBOLOGY LEGEND

PLOT DATE: 25-JUL-2016 DRAWN BY: S. COLEY CHECKED BY: W. LAMMER SHEET 7 OF 24

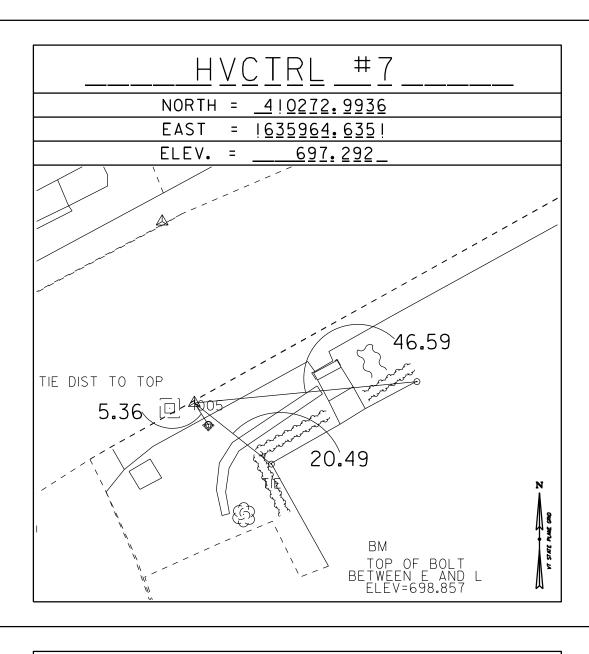
PT #! B94058_

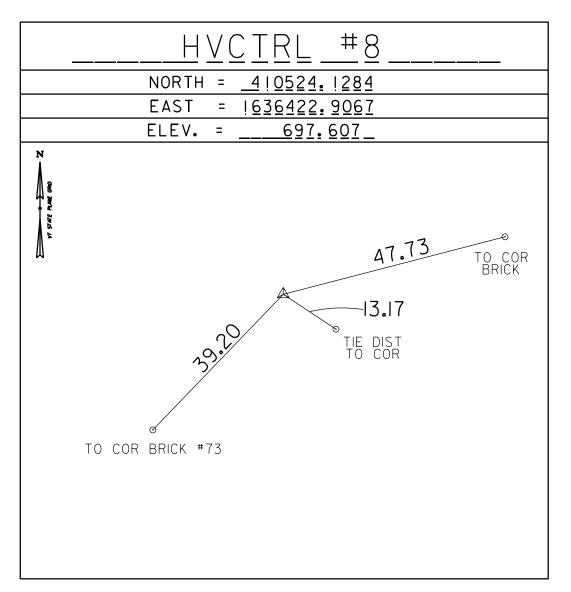
NORTH = 4!2873.7600 EAST = 1639247.4000<u>ELEV. = 703.100</u>

GENERAL LOCATION, WOODSTOCK, ABOUT I MI (1.6 KM) NORTHEAST OF WOODSTOCK VILLAGE, ABOUT 9.5 MI (15.3 KM) WEST OF WHITE RIVER JUNCTION. TO REACH FROM THE INTERSECTION OF U.S. ROUTE 4 AND VT ROUTE 12 NORTH IN THE CENTER OF WOODSTOCK VILLAGE GO EAST ALONG U.S. ROUTE 4 FOR I. I MI (I.8 KM) TO THE INTERSECTION OF A PAVED ENTRANCE DRIVE TO THE CENTRAL VERMONT PUBLIC SERVICE CORPORATION AND THE MARK ON THE LEFT IN A MOWED AREA IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE MARK IS 5.9 M (19.4 FT) NORTH OF AND ABOUT LEVEL WITH THE NORTH EDGE OF PAVEMENT OF U.S. ROUTE 4, 2.1 M (6.9 FT) NORTHWEST OF THE NORTHWEST EDGE OF PAVEMENT OF THE DRIVE TO CVPS, 4. I M (13.5 FT) EAST OF THE SOUTHEAST CORNER OF A WOOD CRIB SIGN SUPPORT FOR A CVPS SIGN, AND 4.6 M (15.1 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST AND POLE NO. 9A, SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30-CM DIAMETER CONCRETE MONUMENT POURED TO A DEPTH OF 1.8 M.

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PT #2 B94057

<u>NORTH = 4!!766.6800</u> <u>EAST = 1638855.0200</u> <u>ELEV. = 702.350</u>

GENERAL LOCATION, WOODSTOCK VILLAGE, VT. TO REACH FROM THE INTERSECTION OF U.S. ROUTE 4 AND VT ROUTE 12 NORTH IN THE CENTER OF WOODSTOCK VILLAGE GO EAST ALONG U.S. ROUTE 4 FOR O.8 MI (1.3 KM) TO THE WOODSTOCK NATIONAL BANK AND THE MARK ON THE LEFT IN A MOWED GRASS STRIP BETWEEN U.S. ROUTE 4 AND THE PAVED BANK PARKING LOT, 2.5 M (8.2) FT) NORTHWEST OF AND O. I M (O. 3 FT) LOWER THAN THE NORTHWEST EDGE OF PAVEMENT OF U.S. ROUTE 4, 1.4 M (4.6 FT) SOUTHEAST OF THE SOUTHEAST EDGE OF THE PAVED BANK PARKING LOT, 35.8 M (117.5 FT) NORTHEAST OF THE EAST CORNER OF THE BANK, 17.4 M (57.1 FT) SOUTH OF A FLAGPOLE, AND 15.8 M (51.8 FT) SOUTHEÁST OF A FIBERGLASS WITNESS POST. IT IŚ SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30-CM DIAMETER CONCRETE MONUMENT POURED TO A DEPTH OF 1.8 M.

PT #!0 B94055 NORTH = 4!0658.3000 EAST = 1636526.6400 <u>ELEV. = 696.270</u>

TO REACH FROM THE INTERSECTION OF U.S. ROUTE 4 AND VT ROUTE 12 NORTH IN THE CENTER OF WOODSTOCK VILLAGE GO EAST ALONG U.S. ROUTE 4 FOR 0.2 MI (0.3 KM) TO THE MARK ON THE LEFT IN A TRIANGULAR SHAPED PARK BETWEEN U.S. ROUTE 4 AND PLEASANT STREET. THE MARK IS 10.2 M (33.5 FT) NORTH OF AND ABOUT O. I M (O. 3 FT) HIGHER THAN THE NORTH CURB OF U.S. ROUTE 4 (CENTRAL STREET), 8.9 M (29.2 FT) SOUTH OF THE SOUTH CURB OF PLEASANT STREET, 5.5 M (Í8.0 FT) EAST OF THE EAST END OF A CANNON BARREL, AND 6.2 M (20.3 FT) WEST OF A FLAGPOLE. IT IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30-CM DIAMETER CONCRETE MONUMENT POURED TO A DEPTH OF 1.8 M.

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DATUM

<u>NAVD88</u> VERTICAL

HORIZONTAL <u>NAD83(2011)</u>

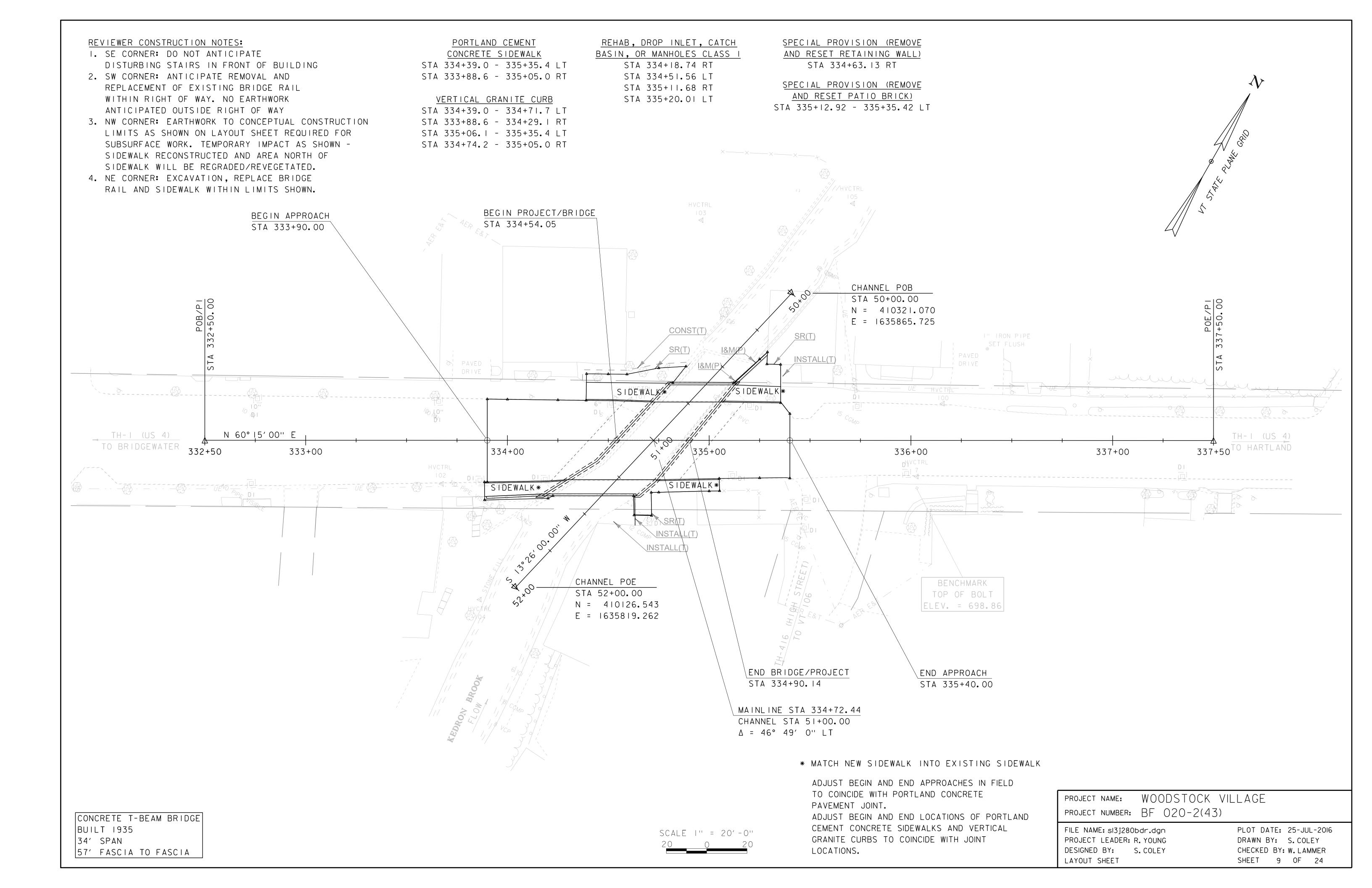
ADJUSTMENT <u>COMPASS</u>

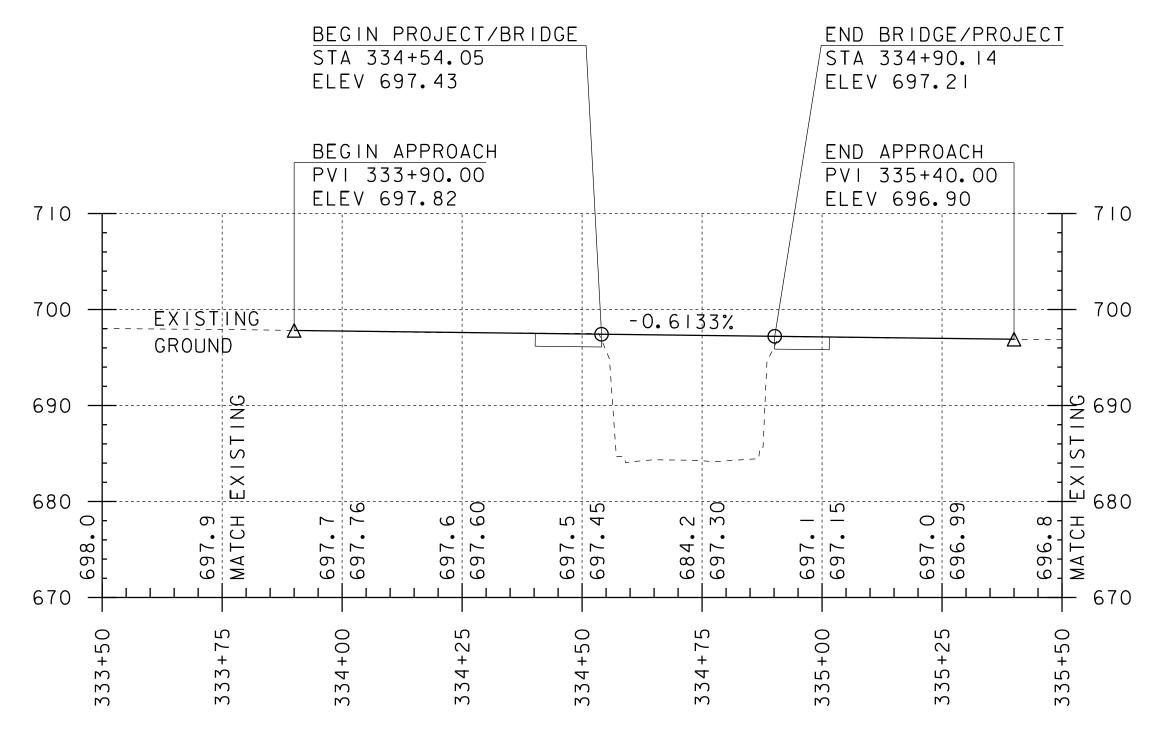
WOODSTOCK VILLAGE PROJECT NAME: PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280tie.dgn

PROJECT LEADER: R. YOUNG DESIGNED BY: VTRANS TIE SHEET

PLOT DATE: 25-JUL-2016 DRAWN BY: C.CYR CHECKED BY: W. LAMMER SHEET 8 OF 24



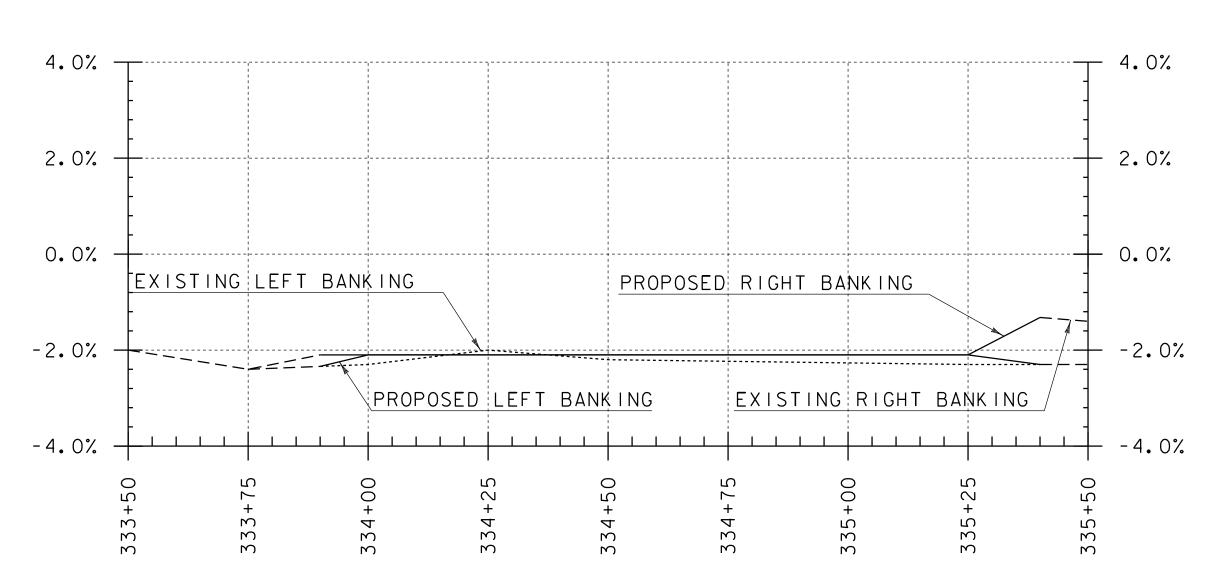


#### MAINLINE PROFILE

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

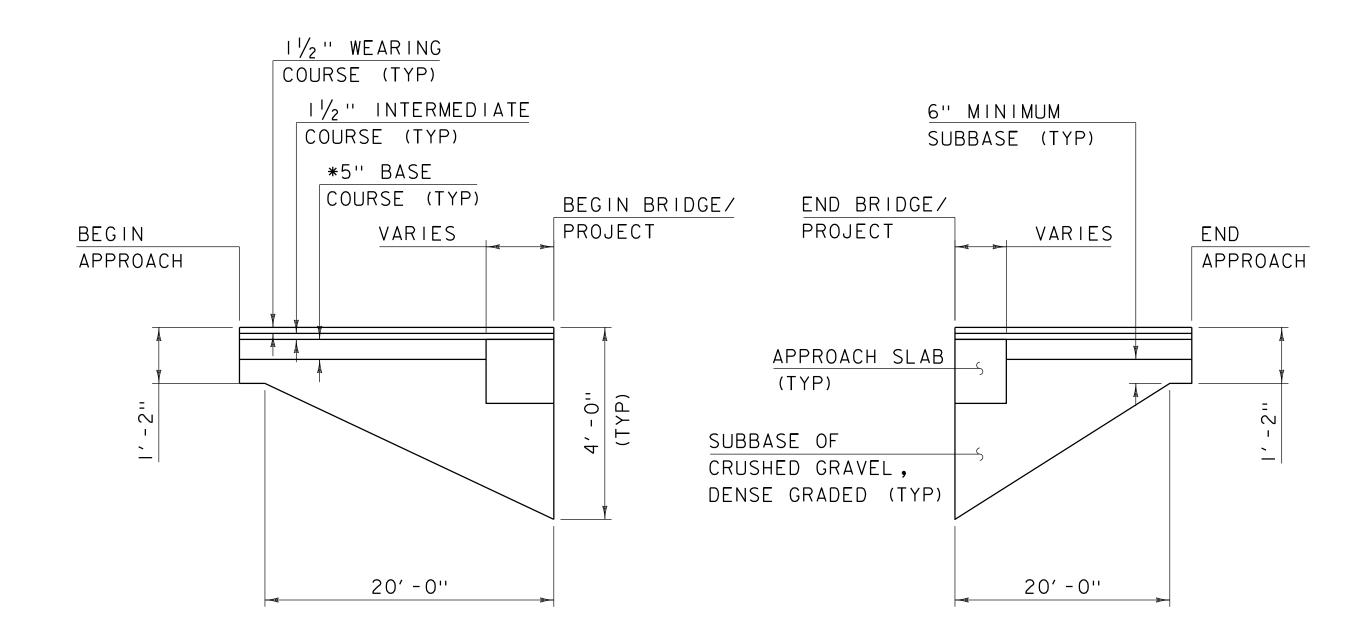
NOTE:

EXISTING ABUTMENTS TO REMAIN UP TO 4 FEET BELOW THE SURFACE OF THE ROADWAY.



#### BANKING DIAGRAM

SCALE: HORIZONTAL I"=20'-0"
VERTICAL I"=1.0%



#### MATERIAL TRANSITION DETAIL

SCALE: HORIZONTAL I"=20'-0"

VERTICAL I"=2'-0"

#### NOTE:

* TWO 2.5 INCH LIFTS OF TYPE IIS BASE

ADJUST BEGIN AND END APPROACHES IN FIELD TO COINCIDE WITH PORTLAND CONCRETE PAVEMENT JOINT.

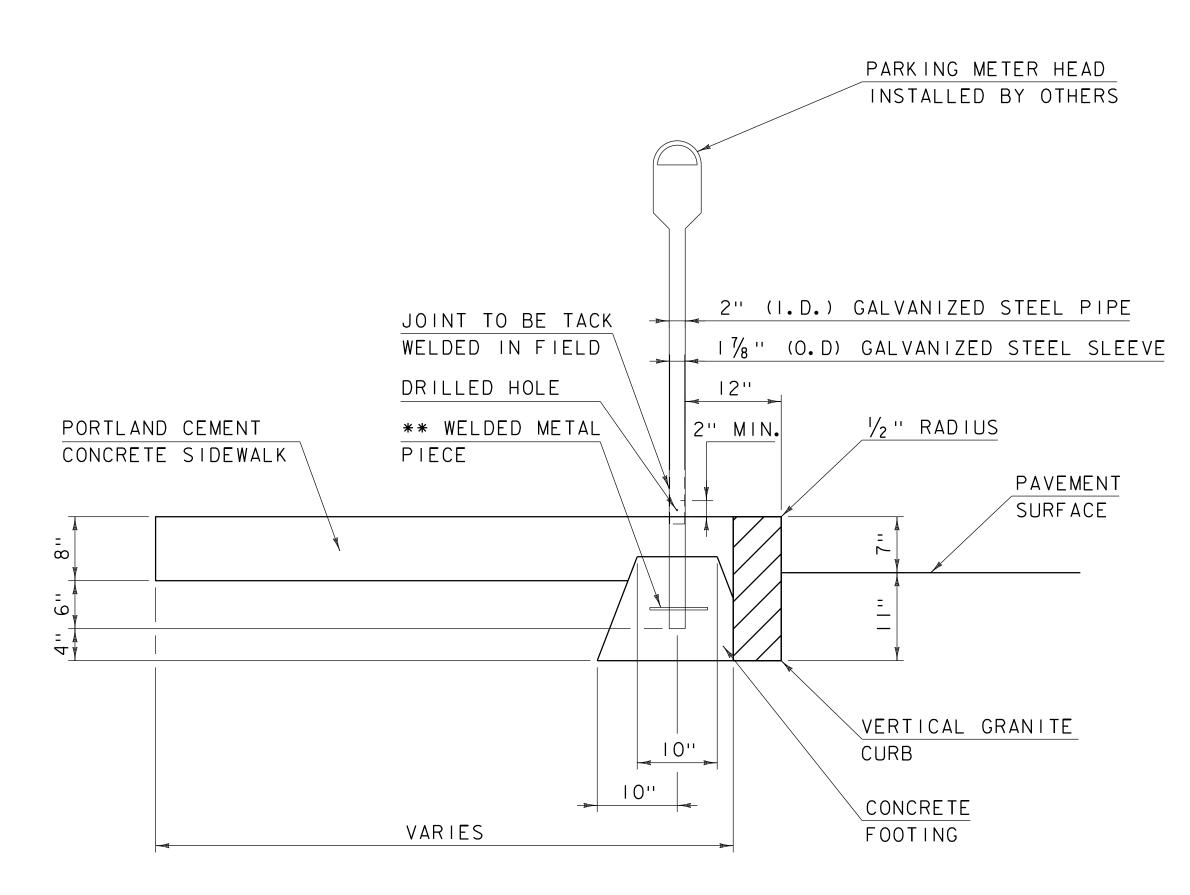
THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

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

PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280pro.dgn
PROJECT LEADER: R. YOUNG
DESIGNED BY: T. MATTHEWS
MAINLINE PROFILE

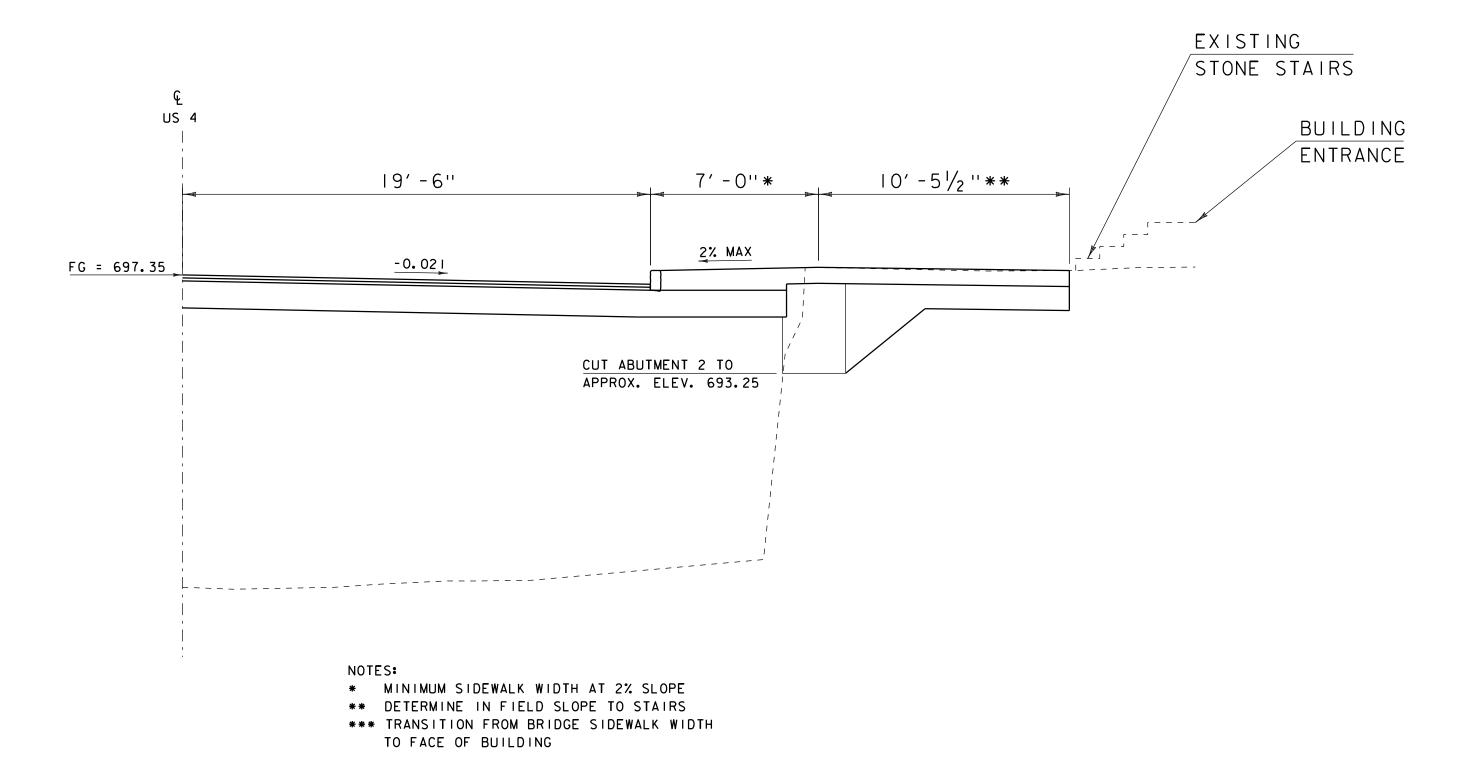
PLOT DATE: 25-JUL-2016
DRAWN BY: T. MATTHEWS
CHECKED BY: W. LAMMER
SHEET 10 OF 24



** #4 REBAR MINIMUM 5" LONG, 3-4" ABOVE BOTTOM OF POST

TYPICAL PARKING METER POST INSTALLATION

SCALE: I" = I'-O"



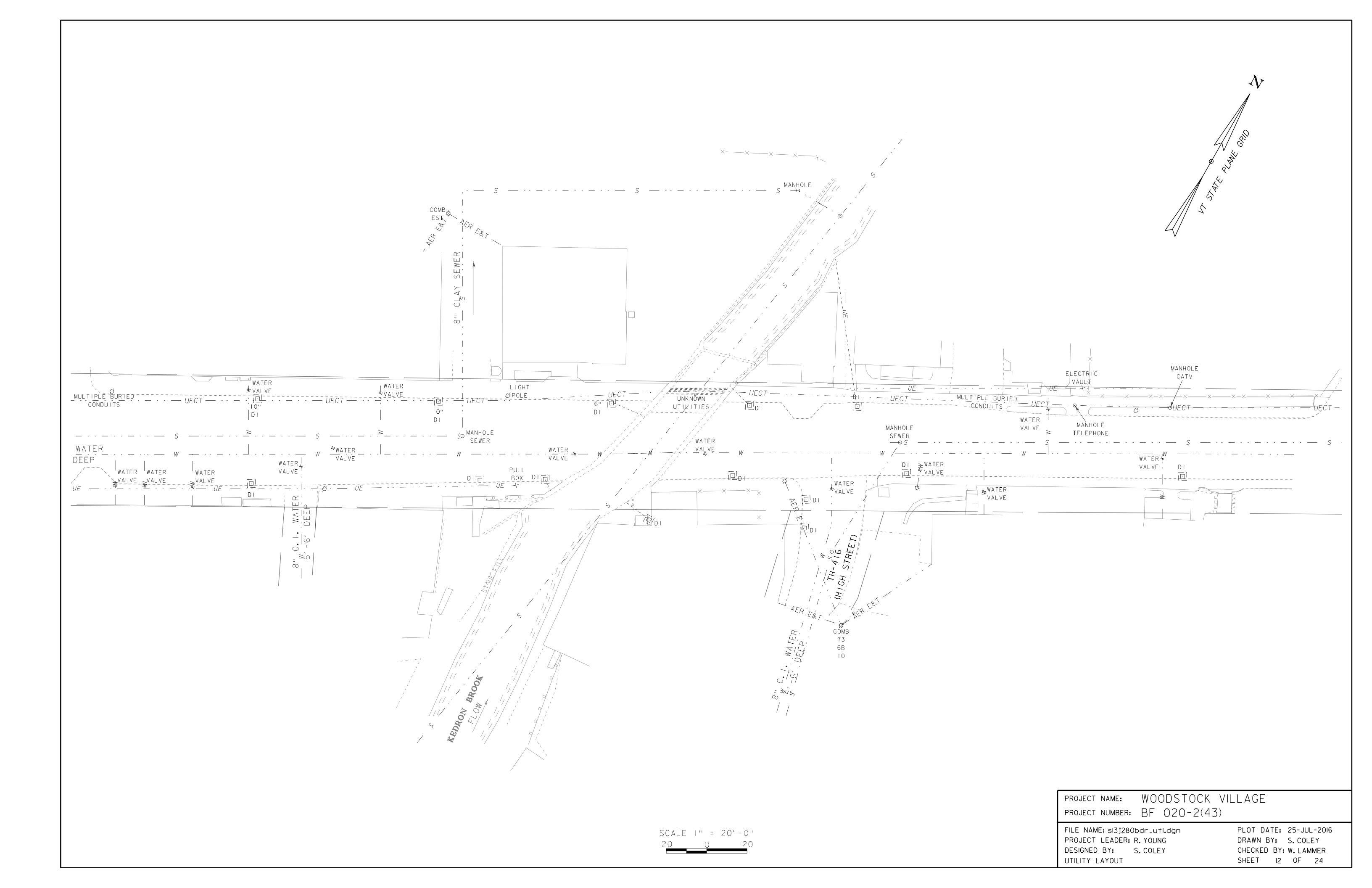
#### BUILDING ENTRANCE AT STA. 334+66.50 RT

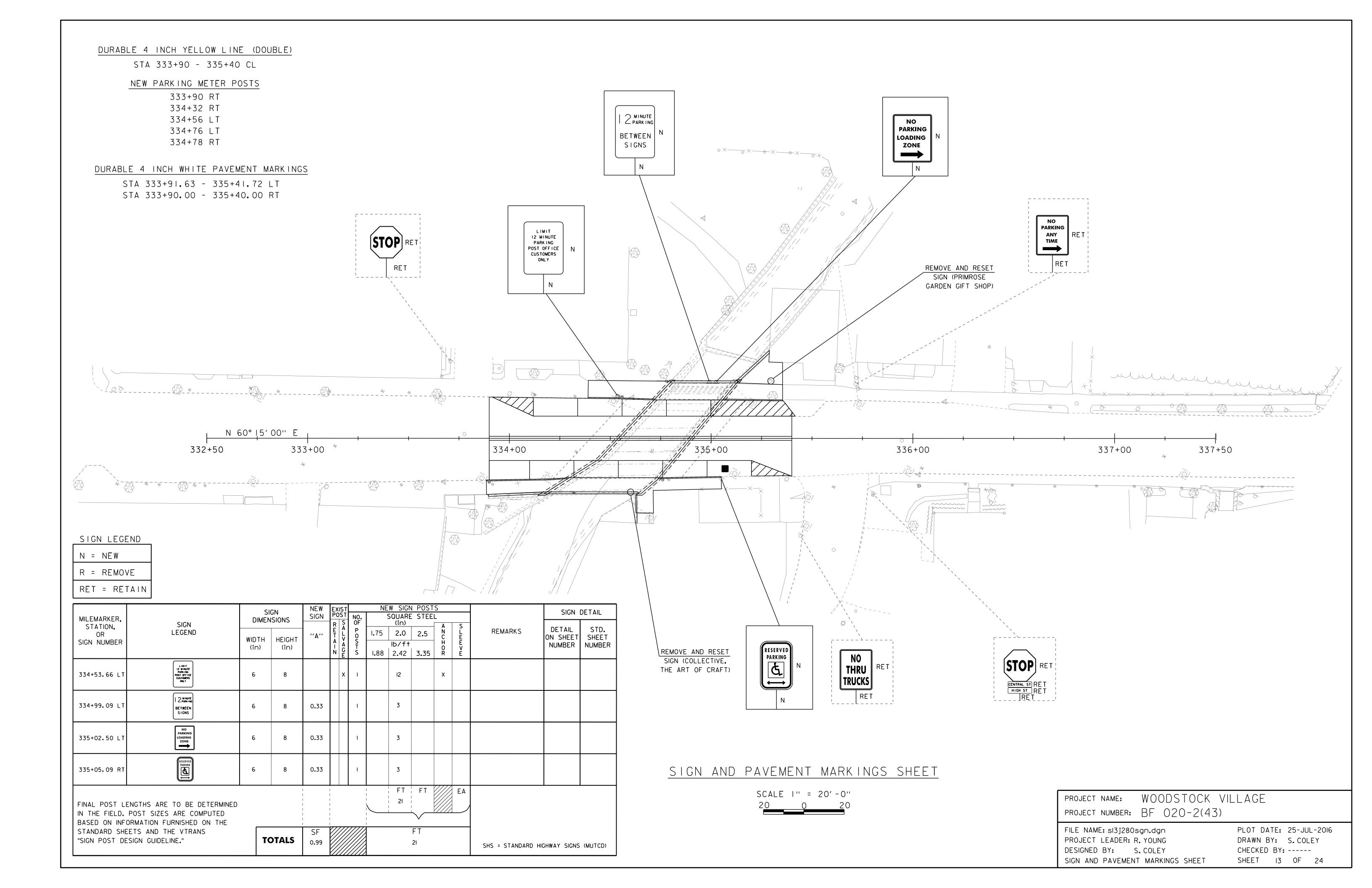
SCALE: 1/4" = 1'-0"

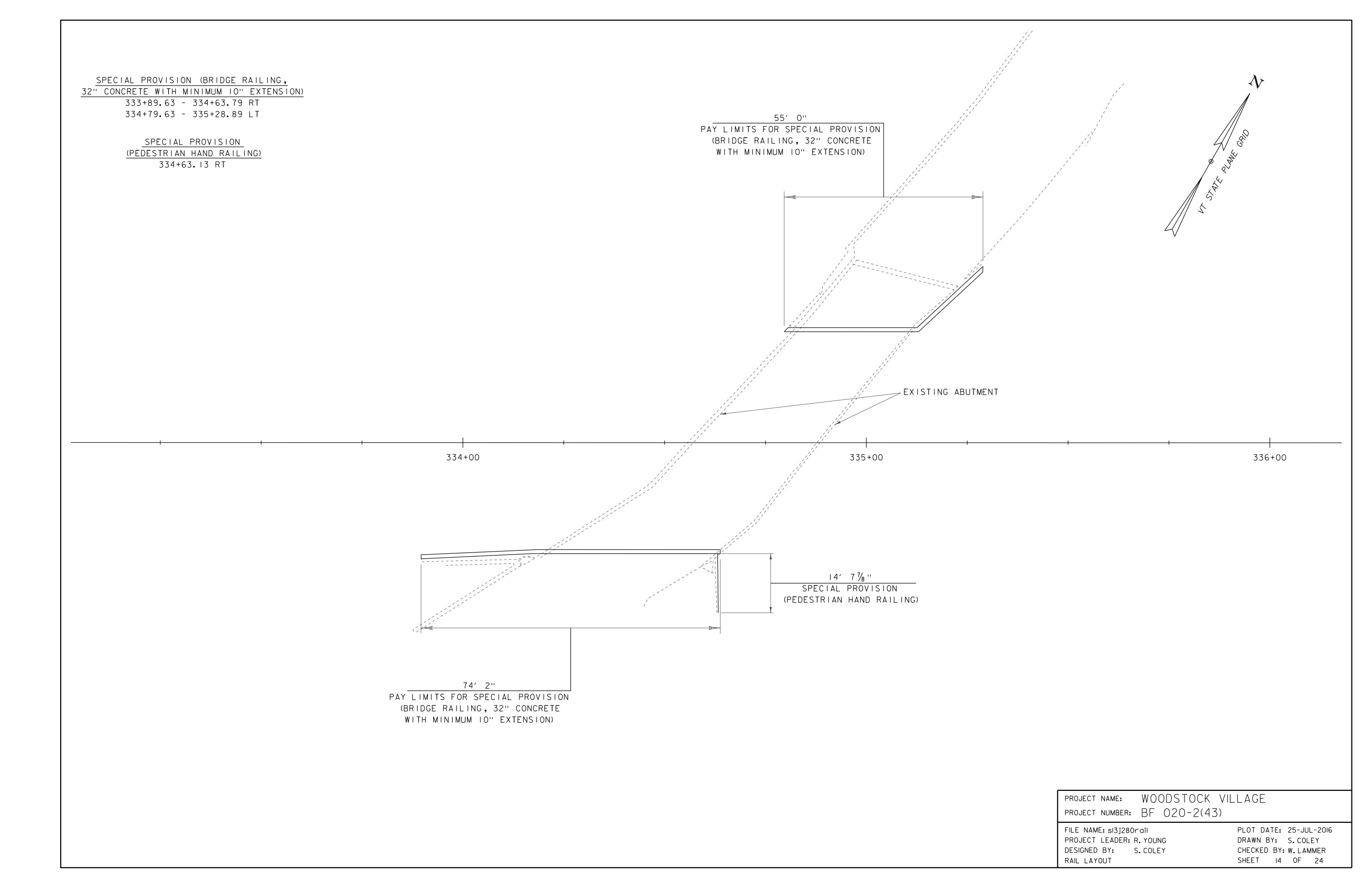
PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

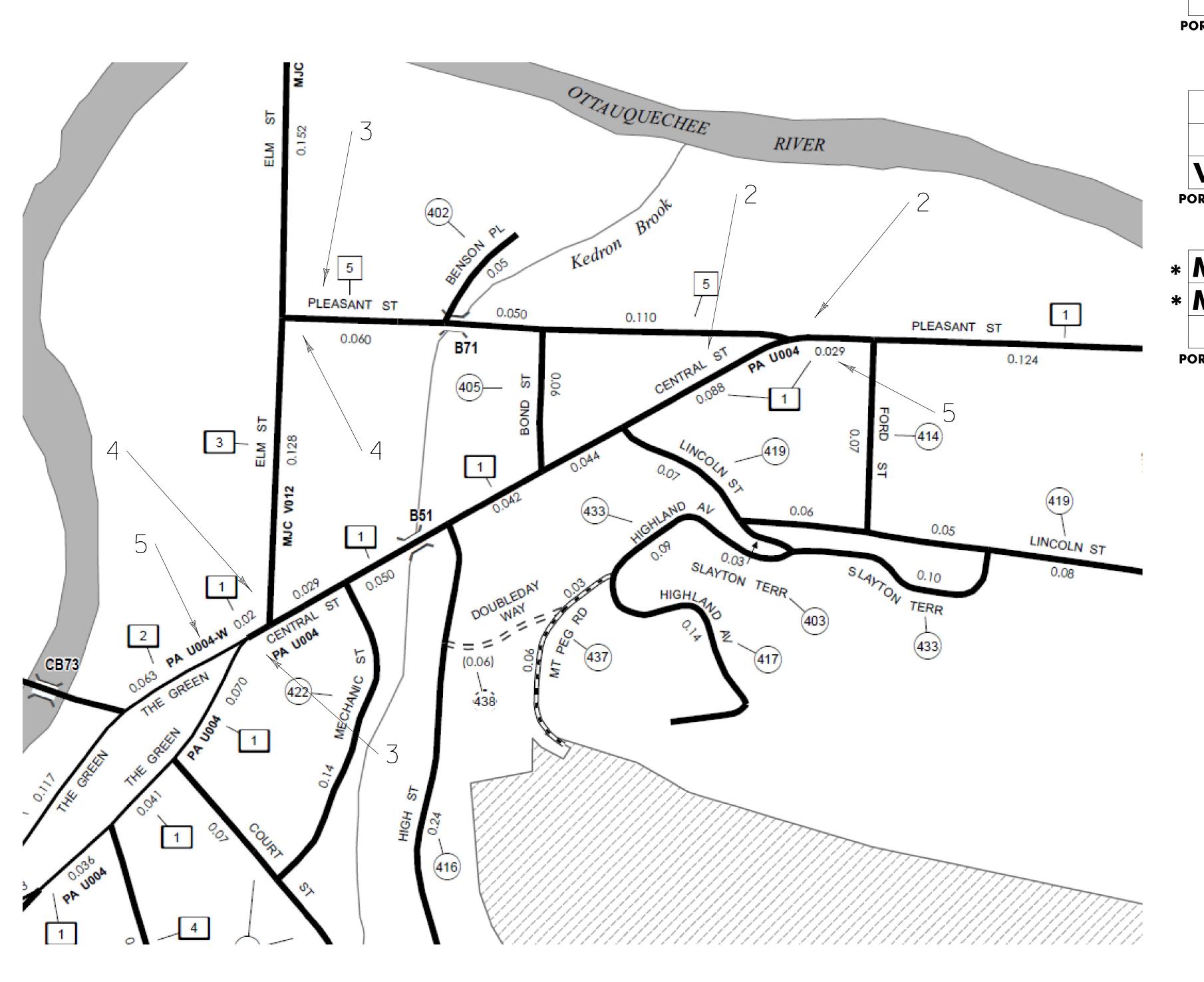
FILE NAME: sl3j280sidewalk.dgn
PROJECT LEADER: R. YOUNG
DESIGNED BY: S. COLEY
SIDEWALK DETAILS

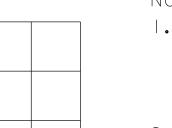
PLOT DATE: 25-JUL-2016
DRAWN BY: S. COLEY
CHECKED BY: ----SHEET II OF 24











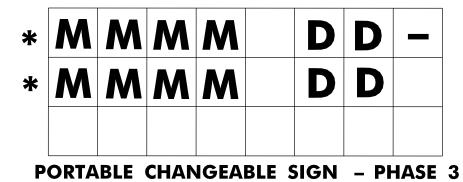
PORTABLE CHANGEABLE SIGN - PHASE 1

4

C L O S E D

US

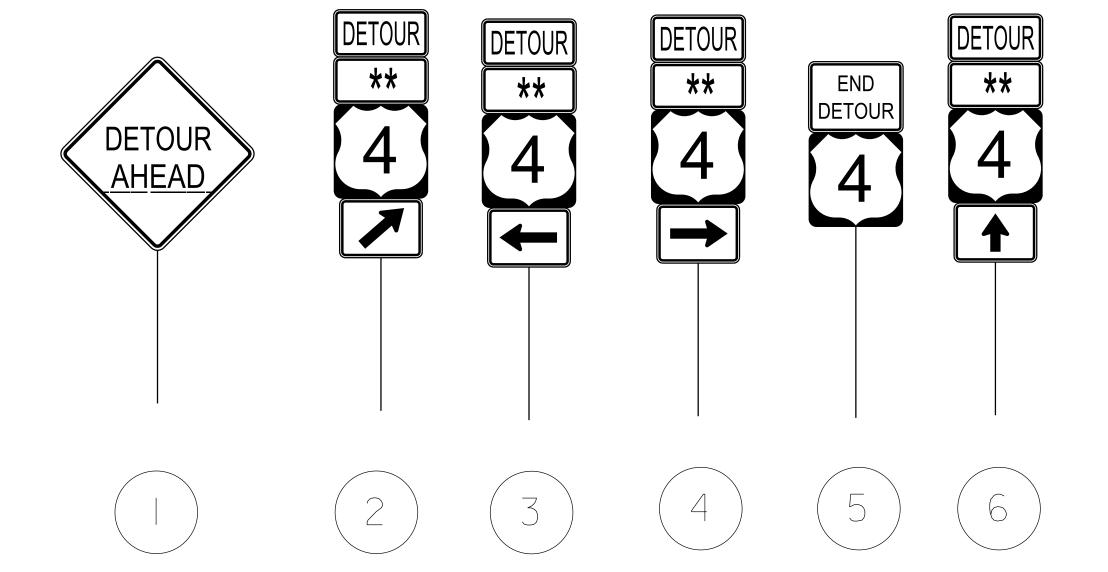
# WOOD — STOCK VILLAGE PORTABLE CHANGEABLE SIGN - PHASE 2



WEST

#### NOTES:

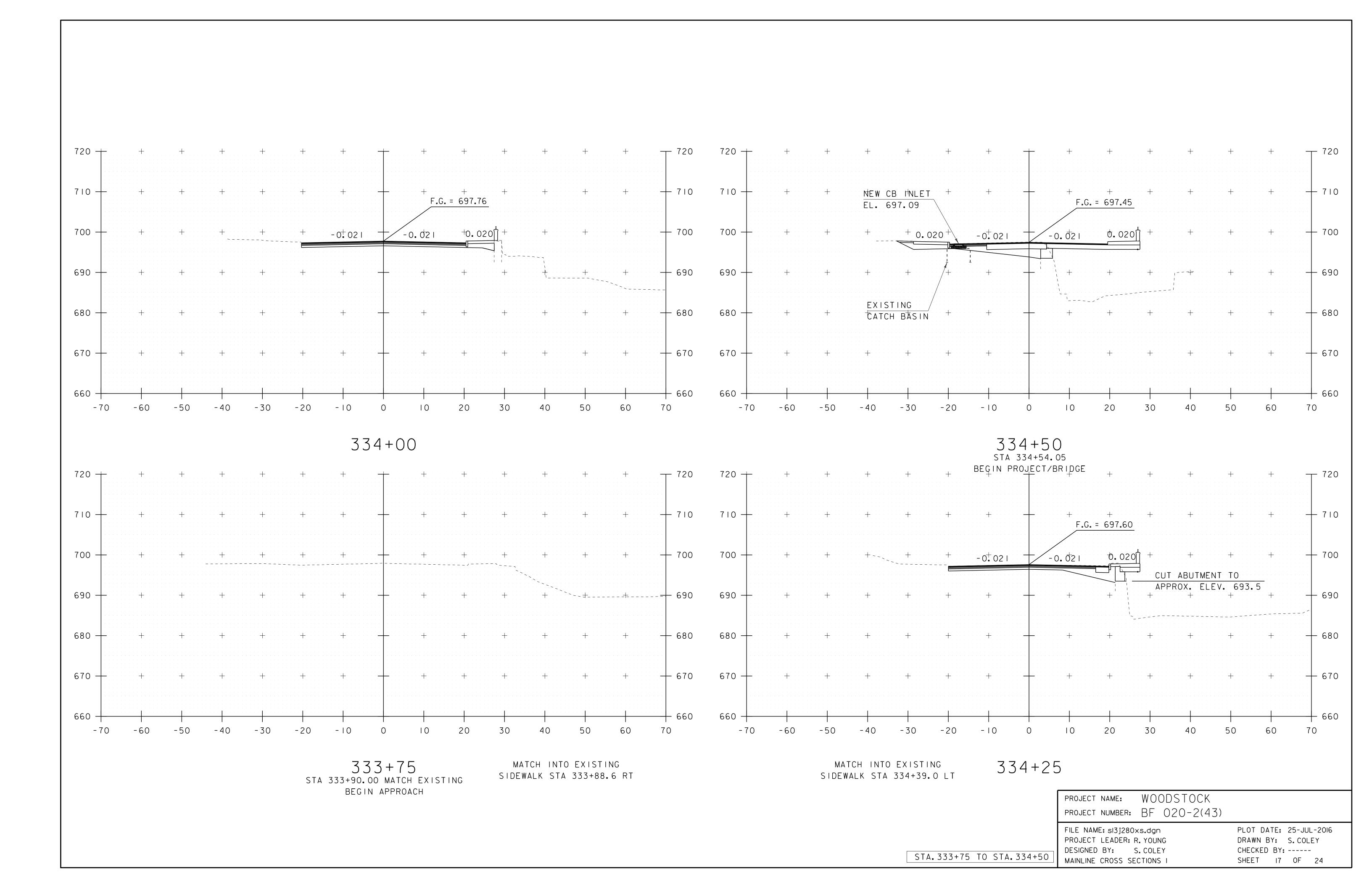
- I. THE PORTABLE CHANGEABLE MESSAGRE SIGNS SHALL BE FULLY OPERATIONAL A MINIMUM OF TWO WEEKS PRIOR TO THE CLOSURE OF US 4.
- 2. DURING ACTUAL CLOSURE ELIMINATE PHASE 3 ONLY.
- 3. DETOUR SIGNS SHALL BE LOCATED ADJACENT TO EXISTING INTERSECTION ROUTE MARKER ASSEMBLIES WHERE APPLICABLE
- 4. CONFIRMATION ROUTE MARKERS (SIGN 6) SHALL BE INSTALLED IMMEDIATELY FOLLOWING EACH TURN AND AT ALL LOCATIONS ALONG DETOUR WHERE ROUTE MARKERS EXIST FOR THE PARENT ROUTE.
- 5. DETOUR SIGNING IS THE RESPONSIBILITY OF THE CONTRACTOR. PAYMENT FOR ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR IMPLEMENTING THE DETOUR, INCLUDING BUT NOT LIMITED TO SIGNS, BARRICADES AND MESSAGE BOARDS, WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
- 6. THE DETOUR PLAN IS A CONCEPTUAL OUTLINE ONLY AND THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN OF EACH INTERSECTION SHOWING DETOUR SIGN LOCATIONS IN RELATION TO EXISTING SIGNS.

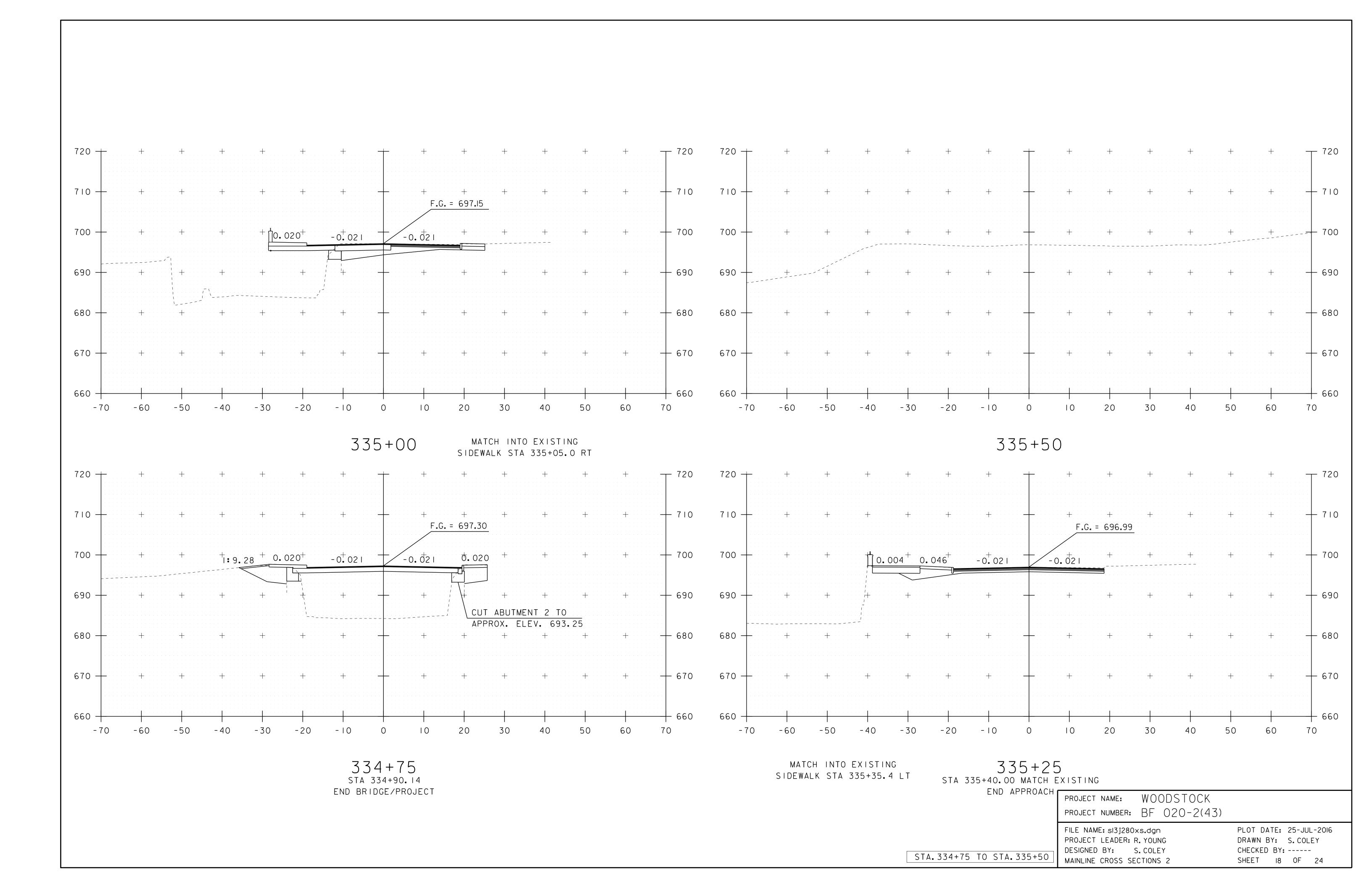


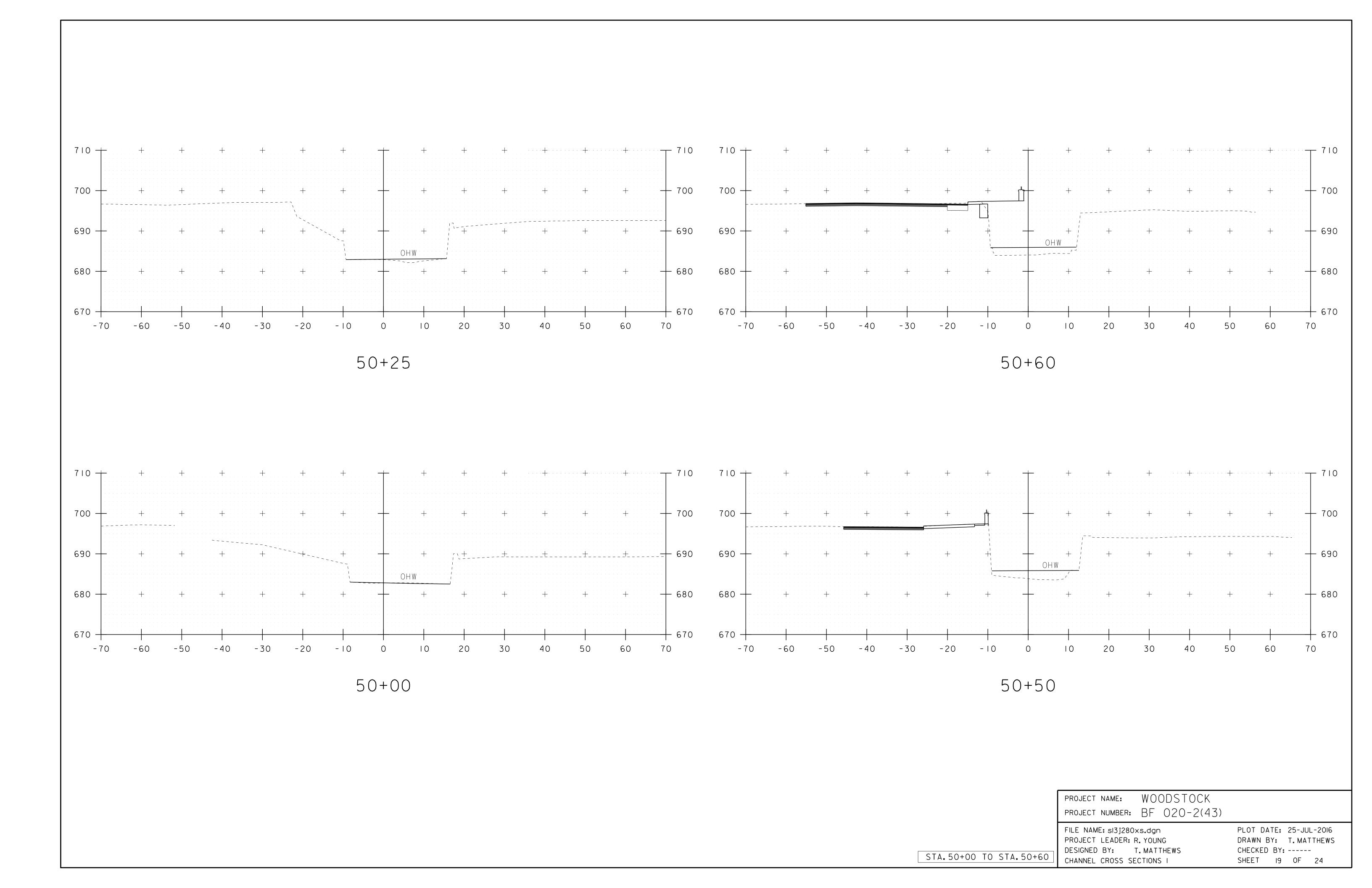
PROJECT NAME: WOODSTOCK VILLAGE PROJECT NUMBER: BF 020-2(43)

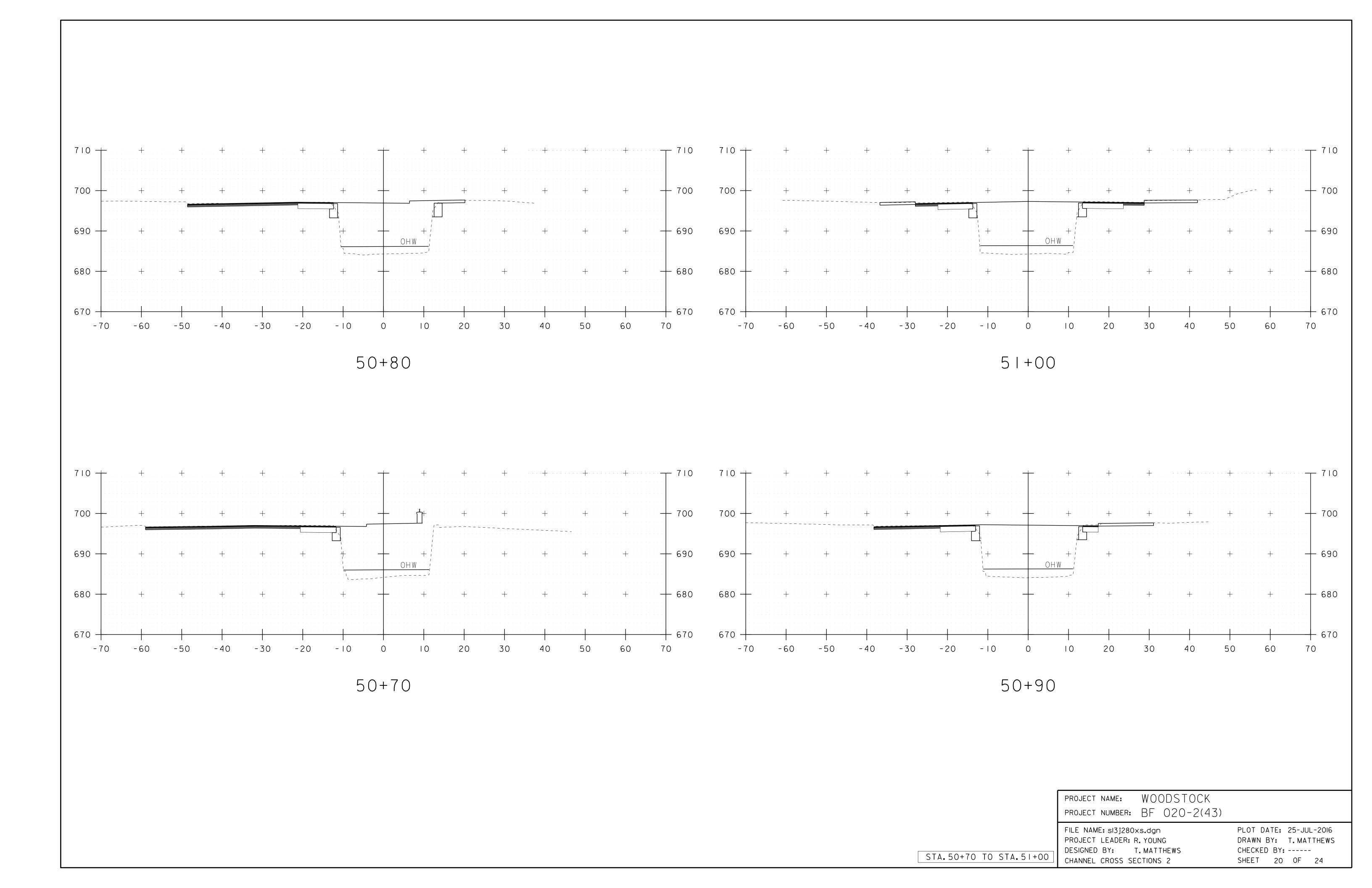
FILE NAME: s13j280detour PROJECT LEADER: R. YOUNG DESIGNED BY: PASSENGER CAR DETOUR PLOT DATE: 25-JUL-2016
DRAWN BY: S. COLEY
CHECKED BY: ----SHEET 15 OF 24

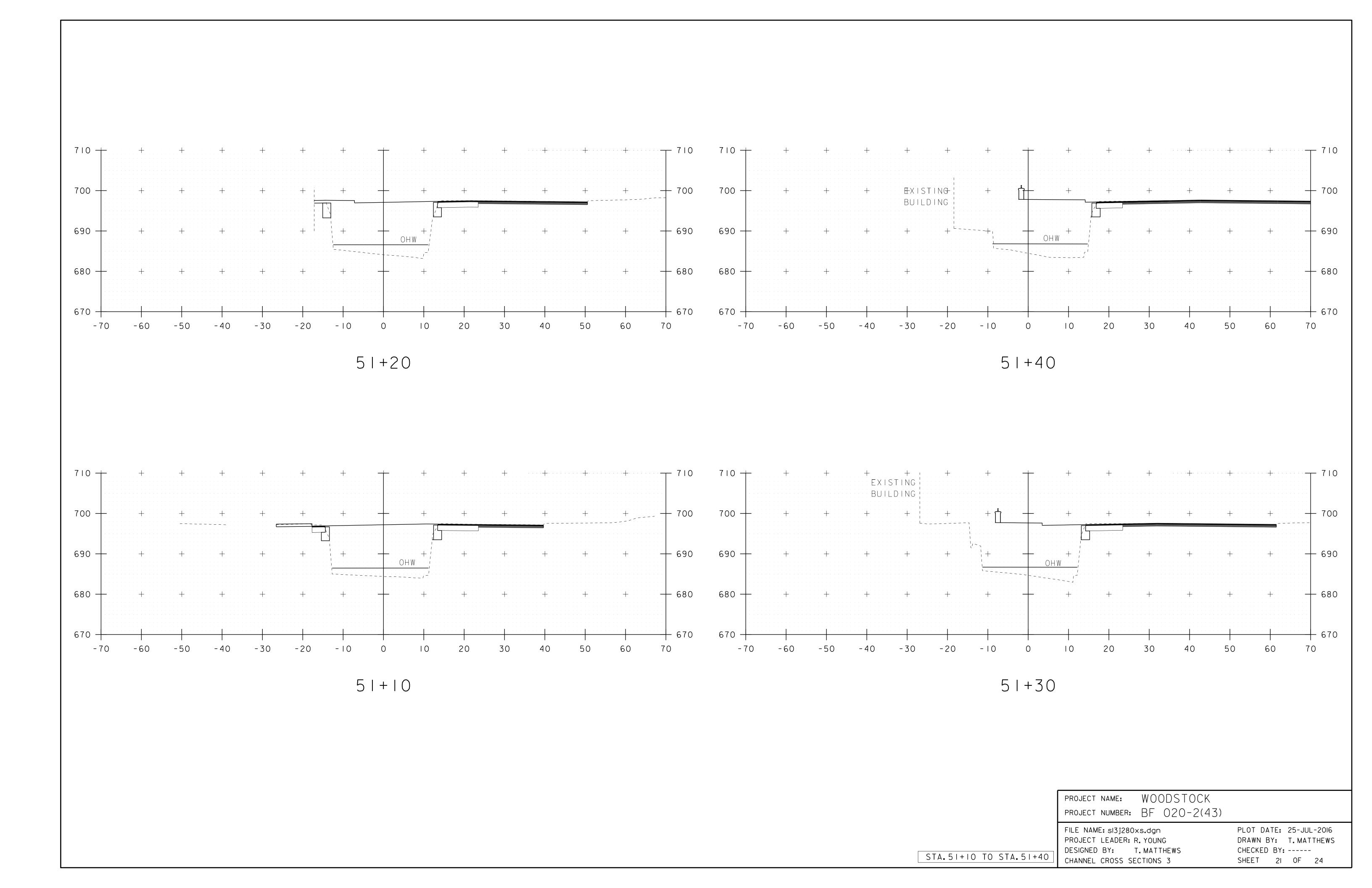


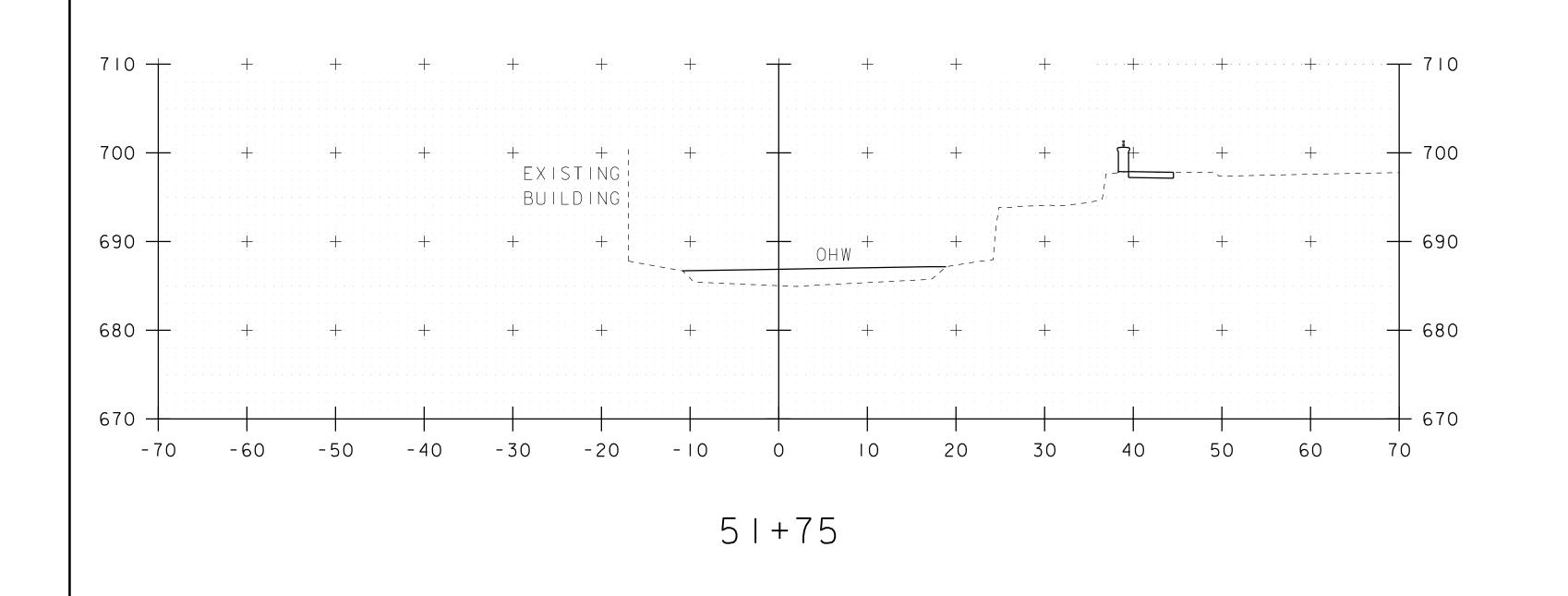


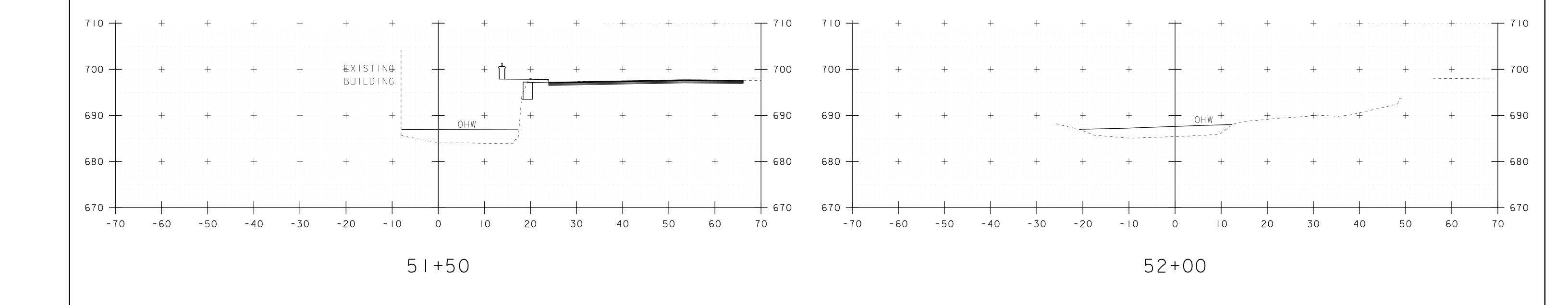












PROJECT NAME: WOODSTOCK PROJECT NUMBER: BF 020-2(43)

FILE NAME: sl3j280xs.dgn
PROJECT LEADER: R. YOUNG
DESIGNED BY: T. MATTHEWS
CHANNEL CROSS SECTIONS 4

PLOT DATE: 25-JUL-2016
DRAWN BY: T. MATTHEWS
CHECKED BY: ---SHEET 22 OF 24

