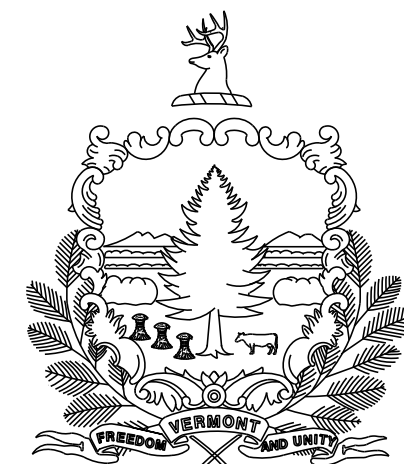
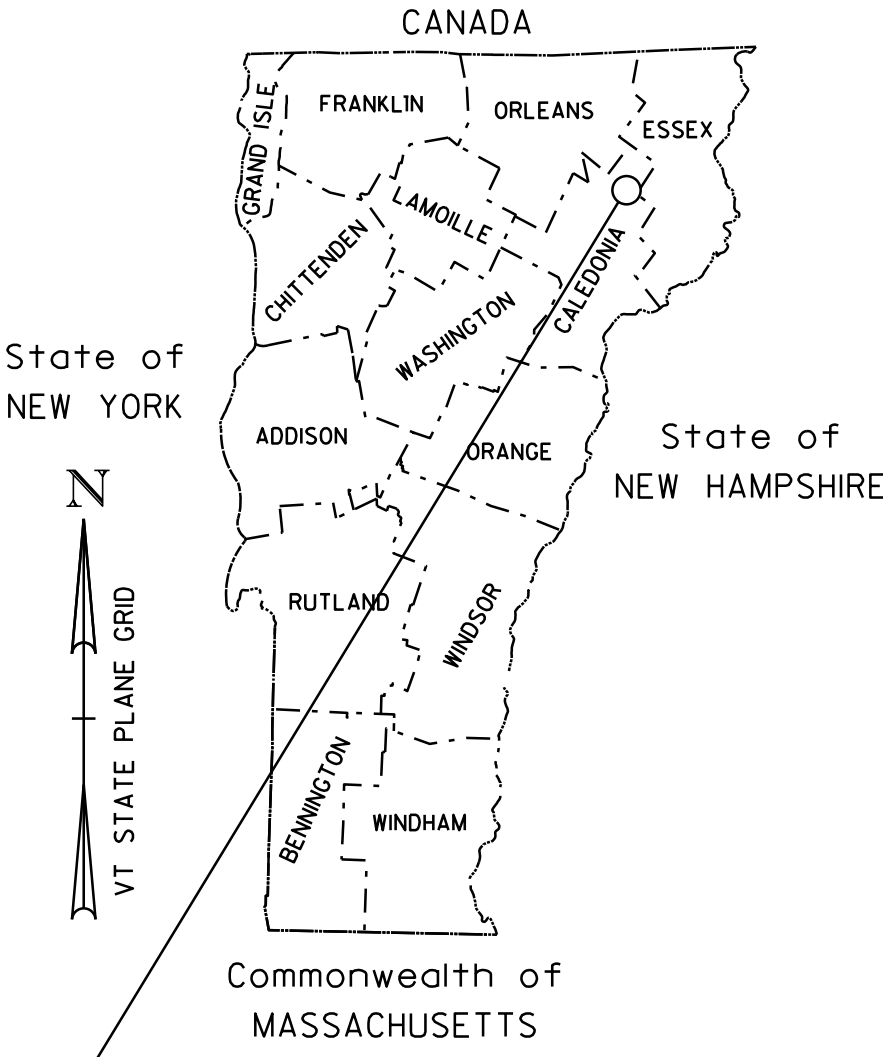
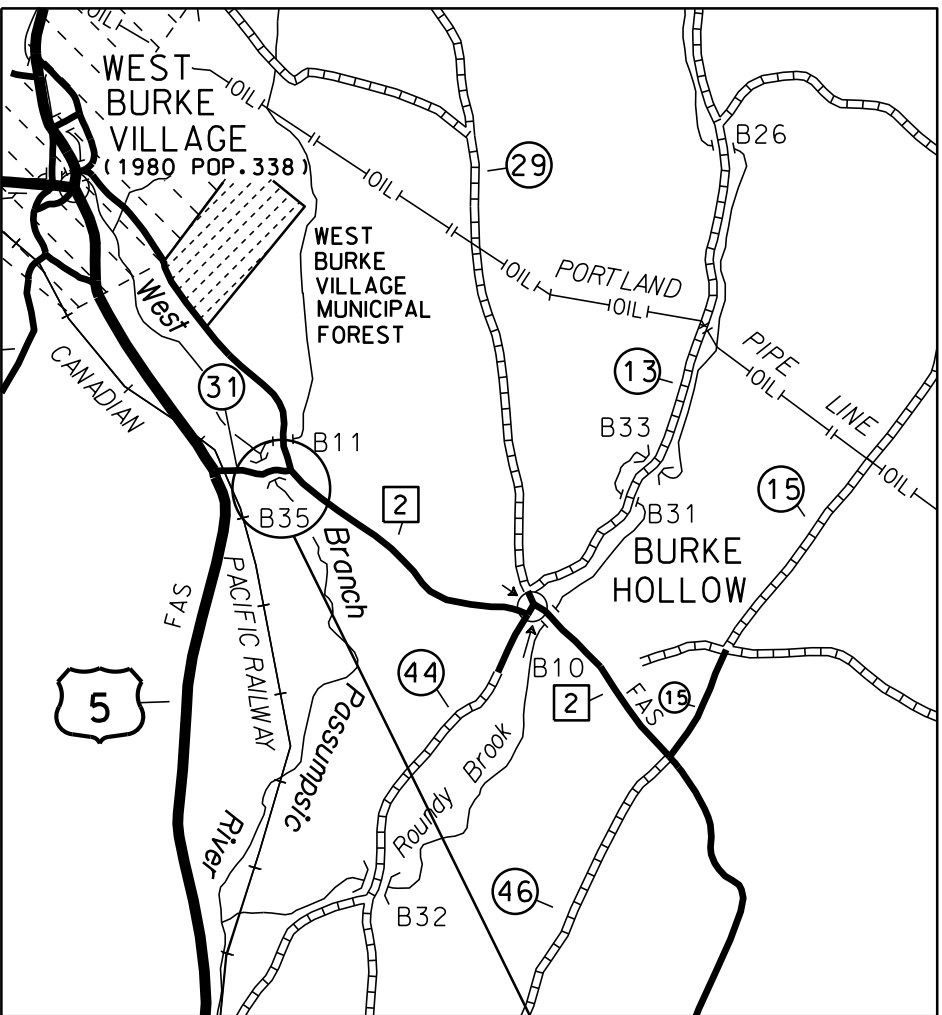


STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF BURKE
COUNTY OF CALEDONIA

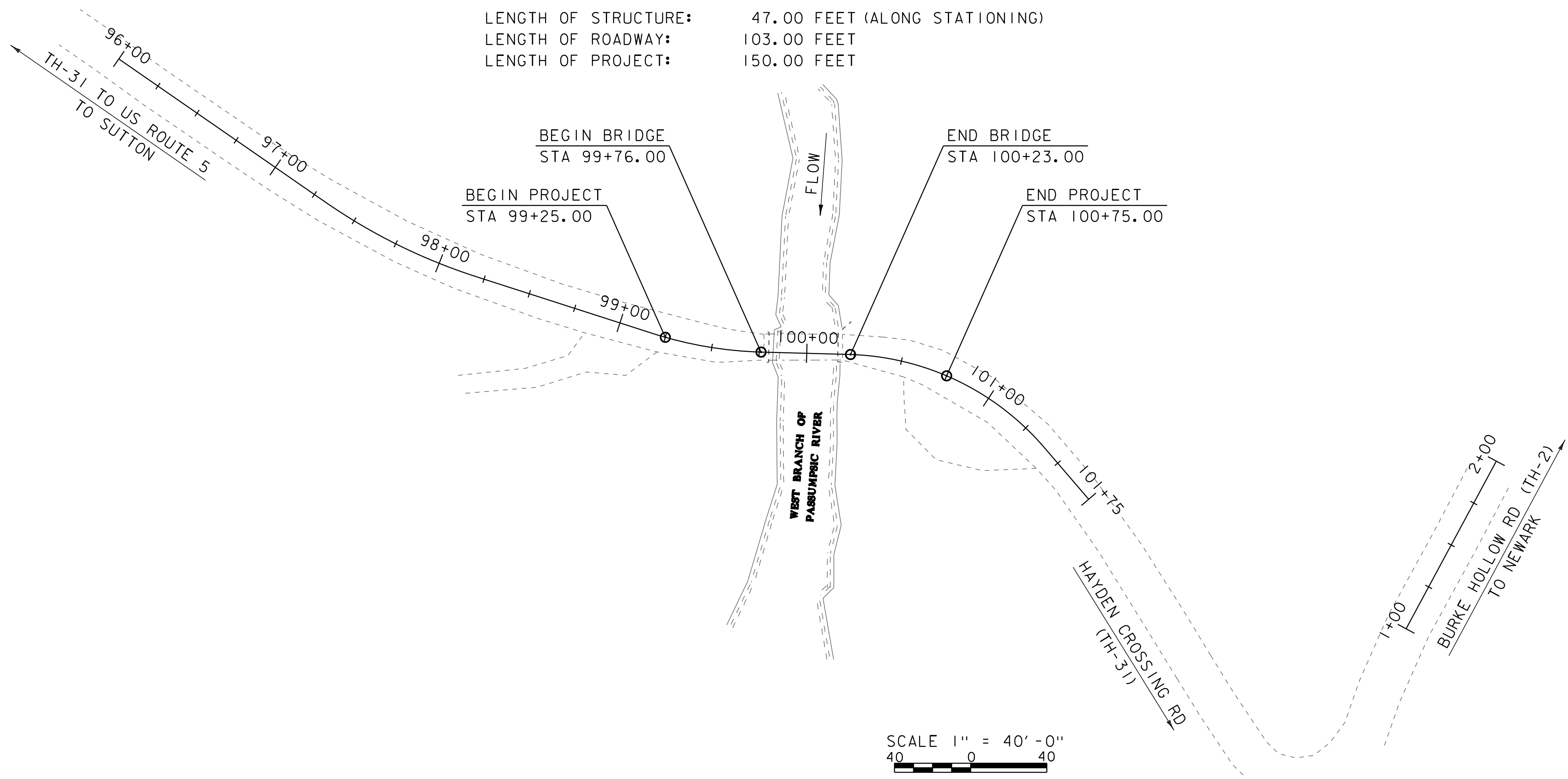


ROUTE NO : TOWN HIGHWAY 31 (HAYDEN CROSSING ROAD) , CLASS 3 BRIDGE NO : 35

PROJECT LOCATION: LOCATED ON TH 31, BRIDGE 35 OVER THE WEST BRANCH OF THE PASSUMPSIC RIVER, APPROXIMATELY 0.20 MILES EAST OF THE JUNCTION WITH US 5.

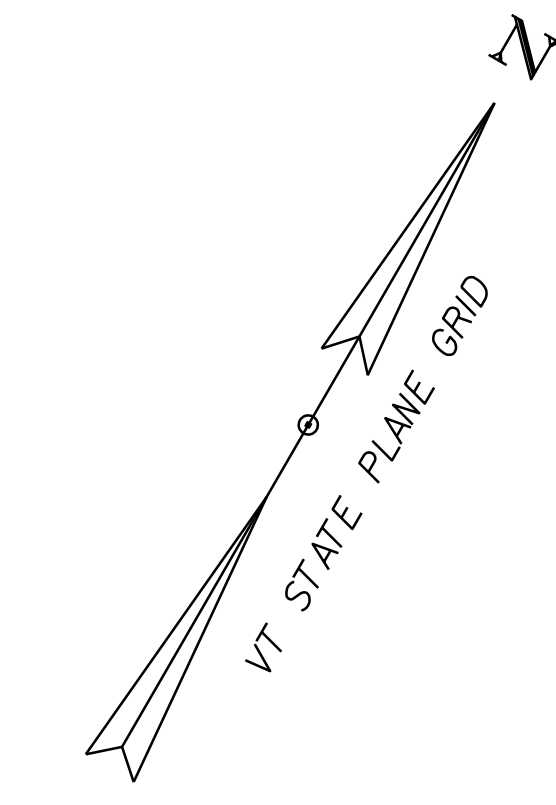
PROJECT DESCRIPTION: REPLACEMENT OF THE EXISTING BRIDGE WITH A NEW SIMPLE SPAN BRIDGE ALONG WITH RELATED ROADWAY AND CHANNEL WORK.

LENGTH OF STRUCTURE: 47.00 FEET (ALONG STATIONING)
LENGTH OF ROADWAY: 103.00 FEET
LENGTH OF PROJECT: 150.00 FEET



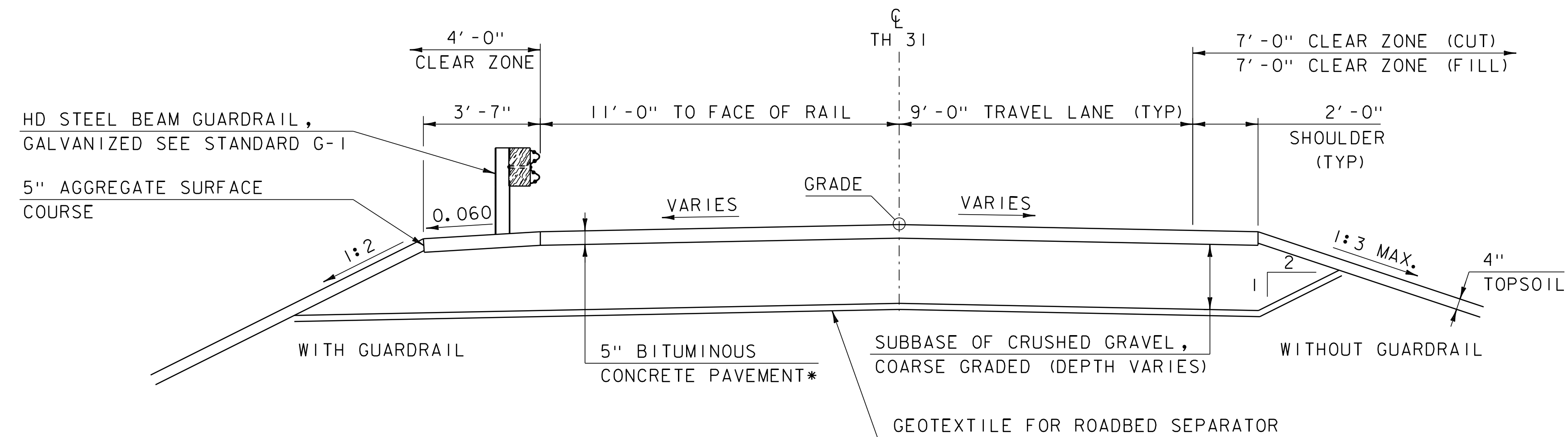
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY :	VTRANS
SURVEYED DATE :	05/2017
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD 83 (2011)



FINAL PLANS
12-OCT-2020

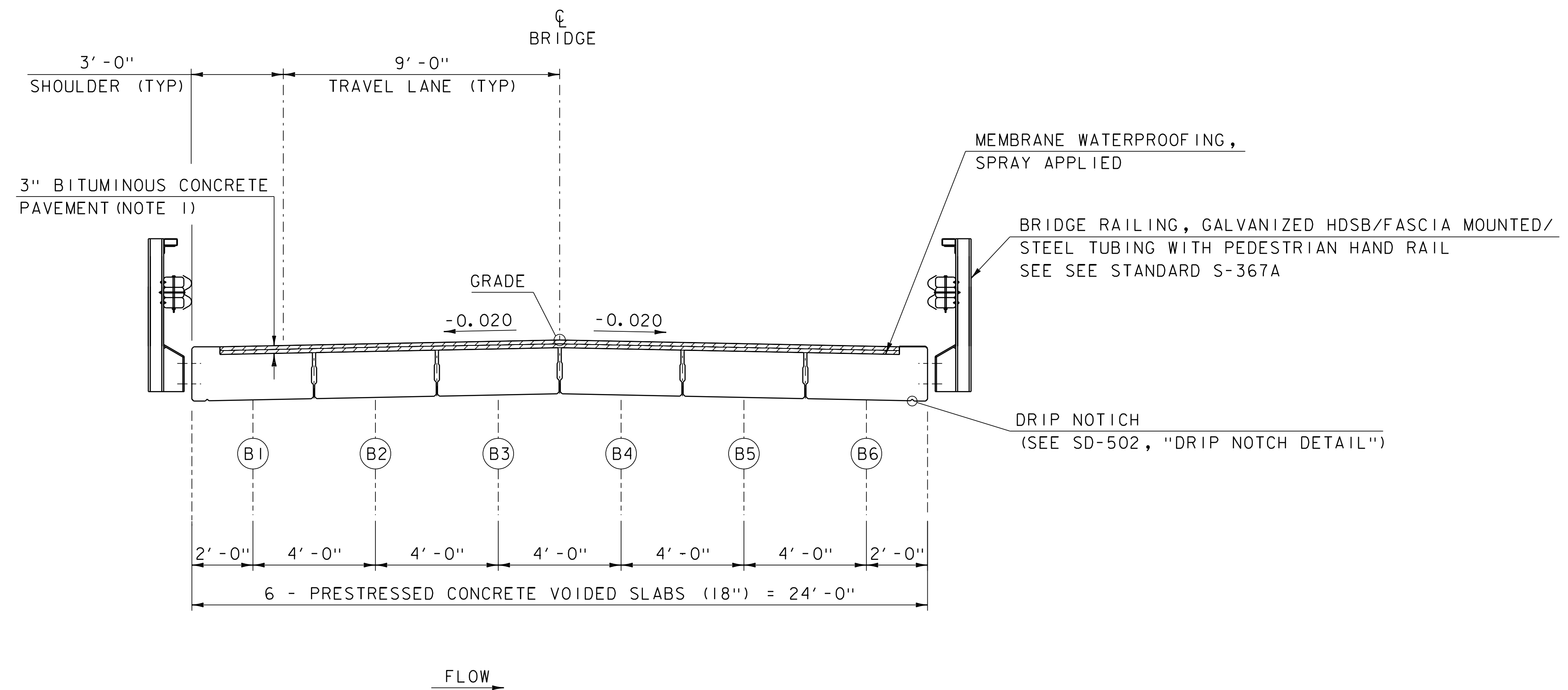
HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____	DATE _____
PROJECT MANAGER : CAROLYN COTA, P.E.	
PROJECT NAME : BURKE	
PROJECT NUMBER : BO 1447 (31)	
SHEET 1 OF 39 SHEETS	



TH 31 TYPICAL SECTION
SCALE $\frac{3}{8}" = 1' - 0"$

*SPECIAL PROVISION
(BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY):
1½" WEARING COURSE, TYPE IVB
1½" BINDER COURSE, TYPE IVB
2" BASE COURSE, TYPE IIIS

NOTE:
EMULSIFIED ASPHALT SHALL BE APPLIED PER THE APPLICATION RATES IN TABLE 406.12A OF THE STANDARD SPECIFICATIONS.



BRIDGE TYPICAL SECTION - 24' WIDTH
SCALE $\frac{3}{8}" = 1' - 0"$

MATERIAL TOLERANCES

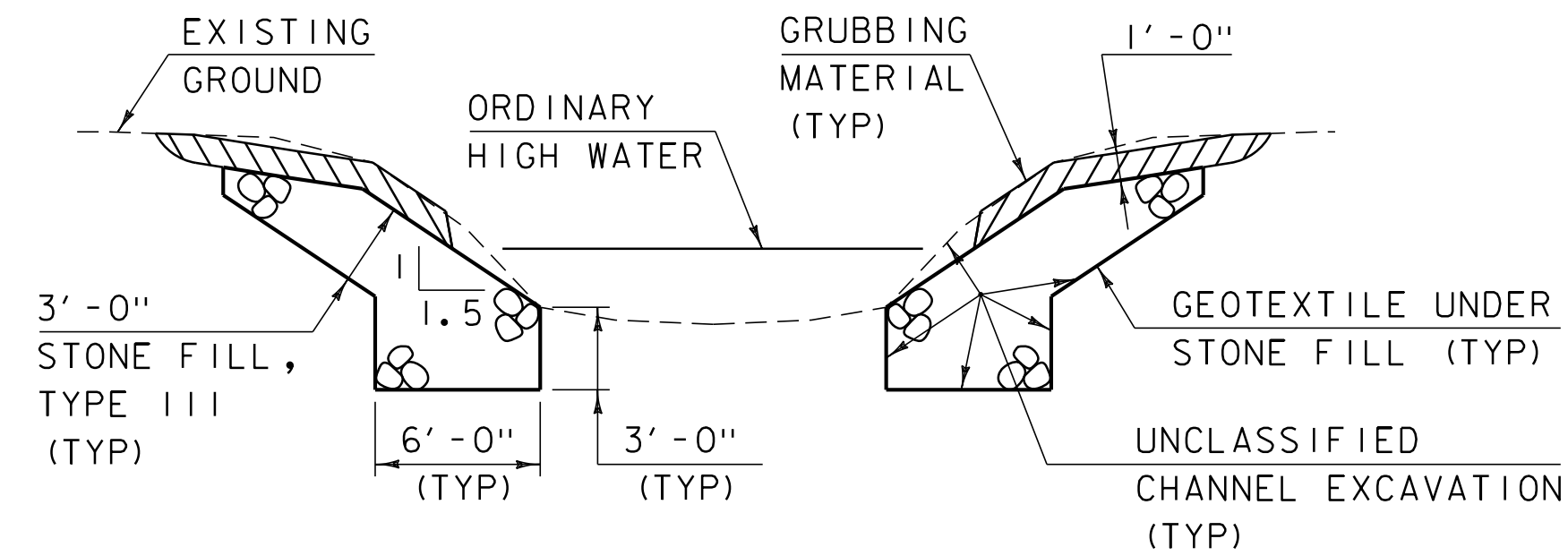
(IF USED ON PROJECT)

SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- ¼"
- AGGREGATE SURFACE COURSE	+/- ½"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

PROJECT NAME: BURKE
PROJECT NUMBER: BO 1447(31)

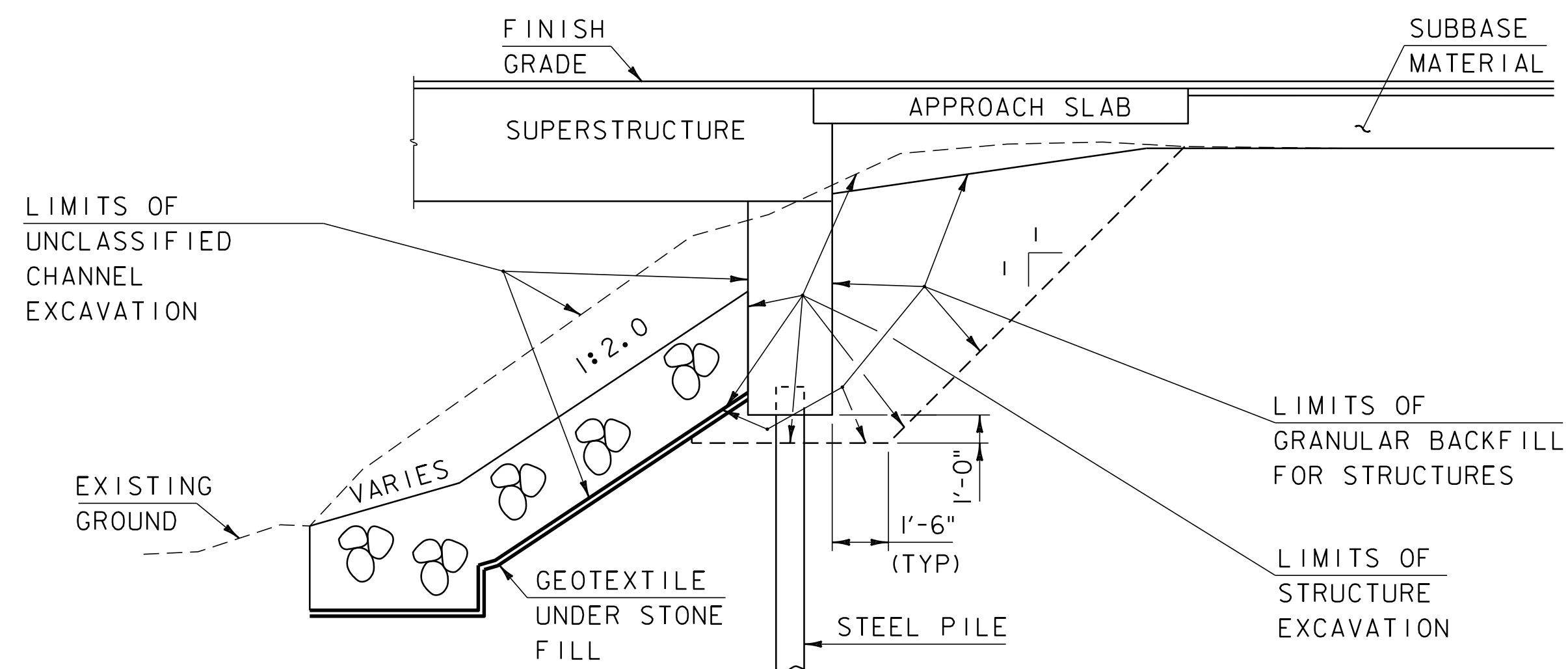
FILE NAME: sl2j610+yp.dgn
PROJECT LEADER: C. COTA
DESIGNED BY: D. PETERSON
TYPICAL SECTION SHEETS 1

PLOT DATE: 12-OCT-2020
DRAWN BY: R. PELLETT
CHECKED BY: D. PETERSON
SHEET 3 OF 39

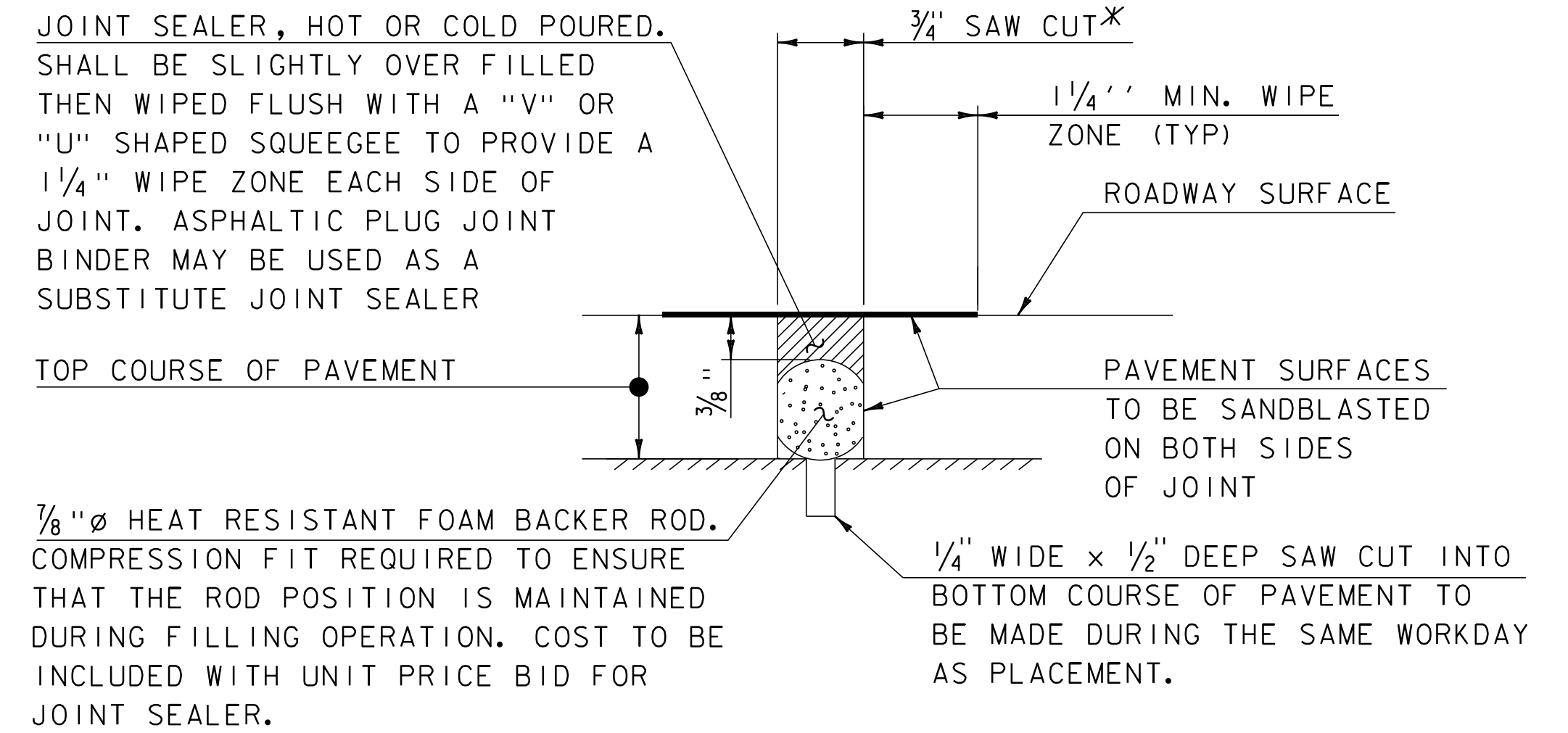


TYPICAL CHANNEL SECTION
(NOT TO SCALE)

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



ABUTMENT EARTHWORK TYPICAL SECTION
NOT TO SCALE



SAWED PAVEMENT JOINT DETAIL
(NOT TO SCALE)

- *JOINT IS TO BE LOCATED ACCURATELY BY STRING LINING, OR OTHER MEANS, PRIOR TO PAVING, SO THAT THE SAW CUTS WILL BE MADE DIRECTLY OVER THE END OF CONCRETE DECK. JOINT SHALL BE CUT DRY IN A SINGLE PASS AND BE SEALED WITHIN 24 HOURS OR PRIOR TO EXPOSURE TO TRAFFIC. JOINT SHALL BE CLEANED PRIOR TO APPLYING THE JOINT SEALER.

PROJECT NAME: BURKE
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610+yp.dgn
PROJECT LEADER: C. COTA
DESIGNED BY: D. PETERSON
TYPICAL SECTION SHEETS 2

PLOT DATE: 12-OCT-2020
DRAWN BY: R. PELLETT
CHECKED BY: D. PETERSON
SHEET 4 OF 39

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8th EDITION, AND THEIR LATEST REVISIONS.
2. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC EROSION PREVENTION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH SECTION 653 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. ESTIMATED QUANTITIES FOR EPSC WORK HAVE BEEN INCLUDED IN THE CONTRACT FOR BIDDING PURPOSES. IF THE CONTRACTOR'S EPSC PLAN REQUIRES ITEMS OF WORK THAT ARE NOT INCLUDED IN THE PLANS, THE EXTRA WORK WILL BE PAID FOR AS PART OF ITEM 653.03 MAINTENANCE OF EPSC PLAN.
3. THE AREA(S) OF DISTURBANCE ARE SHOWN ON THE ENVIRONMENTAL IMPACT PLANS, WHICH ARE REFERENCED IN THE SPECIAL PROVISIONS, NOTICE TO BIDDER - OTHER SPECIFICATIONS AND CONTRACT REQUIREMENTS.
4. THE BRIDGE HAS FAILED AND IS NO LONGER OPEN TO TRAFFIC.

EARTHWORK AND RELATED ITEMS

5. THE REMOVAL OF EXISTING STRUCTURE WILL BE PAID UNDER ITEM 529.15, "REMOVAL OF STRUCTURE". THIS WORK SHALL INCLUDE REMOVAL OF THE ENTIRE SUPERSTRUCTURE AND ANY PORTIONS OF THE EXISTING ABUTMENTS THAT FALL OUTSIDE THE LIMITS OF STRUCTURE EXCAVATION OR UNCLASSIFIED CHANNEL EXCAVATION.
6. THE "STONE FILL, TYPE III" UNDER THE BRIDGE AS SHOWN IN THE PLANS SHALL BE PLACED BEFORE THE NEW SOLID SLABS ARE SET.

CONCRETE

7. SUBSTRUCTURE CONCRETE AND APPROACH SLABS SHALL BE SPECIAL PROVISION (CONCRETE, HIGH PERFORMANCE CLASS B) AND SHALL BE PAID FOR UNDER ITEM 900.608, "SPECIAL PROVISION (CONCRETE, HIGH PERFORMANCE CLASS B)".
8. WATER REPELLENT, SILANE, SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES, EXCEPT THE UNDERSIDE OF THE DECK BETWEEN DRIP NOTCHES.
9. ALL REINFORCING STEEL IN THE APPROACH SLABS AND PRESTRESSED SOLID SLABS SHALL BE LEVEL I, EPOXY COATED.

PRESTRESSED SOLID SLAB BEAMS

10. THE CONTRACTOR SHALL CONFIRM AT THE TIME OF FABRICATION DRAWING REVIEW THAT THE CALCULATED CAMBER ESTIMATE IS COMPATIBLE WITH THE GRADES AND ELEVATIONS OF THE REST OF THE STRUCTURE.
11. THE CONTRACTOR SHALL SUBMIT THE ERECTION PLAN A MINIMUM OF 30 CALENDAR DAYS PRIOR TO ERECTION. UNDER NO CIRCUMSTANCES SHALL THE SUPERSTRUCTURE BE ERECTED PRIOR TO HAVING AN ACCEPTED ERECTION PLAN.
12. NO HOLES MAY BE DRILLED IN ANY PRECAST ELEMENTS WITHOUT THE APPROVAL OF THE FABRICATOR AND THE AGENCY.
13. ALL LIFTING POINTS IN THE SUPERSTRUCTURE SHALL BE REMOVABLE TO THE MINIMUM CLEAR COVER FOR REINFORCING STEEL SPECIFIED IN THE PLANS. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PAYMENT OF ITEM 510.25 "PRESTRESSED CONCRETE SOLID SLABS (18"x48")".
14. ALL RECESSED LIFTING POINTS, ANCHOR BOLTS, AND BLOCK OUTS SHALL BE FILLED WITH A TYPE IV MORTAR PER SUBSECTION 707.03. PAYMENT WILL BE INCLUDED IN THE PAYMENT OF ITEM 510.25 "PRESTRESSED CONCRETE SOLID SLABS (18"x48")".

TRAFFIC CONTROL

15. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, IMPLEMENTATION, AND SUBMITTAL OF A SITE- SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION. CLEARLY DETAIL HOW TRAFFIC WILL BE MAINTAINED. ALL COSTS WILL BE INCLUDED IN ITEM 641.11 TRAFFIC CONTROL, ALL-INCLUSIVE.
16. TRAFFIC WILL CONTINUE TO USE LOCAL DETOURS DURING CONSTRUCTION.

PILES

17. PILES SHALL BE DRIVEN TO A NOMINAL AXIAL RESISTANCE OF 286 KIPS AND EMBEDDED A MINIMUM OF 22 FEET BELOW THE BOTTOM OF THE PILE CAP. ANY WORK REQUIRED FOR DRIVING SHALL BE PAID FOR UNDER ITEM 504.10 "FURNISHING EQUIPMENT FOR DRIVING PILE".
18. FOR ESTIMATING PURPOSES, THE PILE TIP ELEVATIONS WERE ASSUMED AS SHOWN ON THE BORING LOGS. THE ACTUAL IN-PLACE LENGTHS MAY VARY BASED ON BEDROCK LOCATION.
19. A MINIMUM OF ONE DYNAMIC PILE LOAD TEST SHALL BE PERFORMED PER ABUTMENT.

MISCELLANEOUS

20. ITEM 520.10, "MEMBRANE WATERPROOFING, SPRAY APPLIED" SHALL BE APPLIED TO THE BRIDGE AS PER THE MANUFACTURER'S INSTRUCTIONS AND EXTEND ONTO THE APPROACH SLABS TWO FEET BEYOND THE BEGIN/END OF BRIDGE.
21. PAYMENT FOR ADDITIONAL HANDRAIL, MATERIALS, HARDWARE AND FABRICATION SHALL BE INCIDENTAL TO ITEM 525.44, "BRIDGE RAILING, GALVANIZED HDSB/FASCIA MOUNTED/STEEL TUBING".
22. MAINTAIN ACCESS TO FIELD DRIVE AND AT LEAST ONE DRY HYDRANT AT ALL TIMES.

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j6l0frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
PROJECT NOTES	SHEET 5 OF 39

STATE OF VERMONT AGENCY OF TRANSPORTATION														QUANTITY SHEET 1														
SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS								DETAILED SUMMARY OF QUANTITIES					
								ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C.E. ITEMS		GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND		QUANTITIES	UNIT	ITEMS					
								1						1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10										
								521						521		CY	COMMON EXCAVATION	203.15										
											160			160		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27			399 48	CY	COMMON EXCAVATION (570 x .7) UNCLASSIFIED CHANNEL EXCAVATION (160 x 0.3)					
								1						1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22			51	CY	STRUCTURE EXCAVATION (170 x 0.3)					
											330			330		CY	STRUCTURE EXCAVATION	204.25			498	CY	TOTAL FILL AVAILABLE					
											260			260		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30					FILL REQUIRED					
								125						125		SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.10			57.5 0.5	CY	FACTORED FILL (50 x 1.15) ROUNDING					
								455						455		CY	SUBBASE OF CRUSHED GRAVEL, COARSE GRADED	301.25			58	CY	TOTAL FILL REQUIRED					
								25						25		TON	AGGREGATE SHOULDERS	402.12			440	CY	TOTAL WASTE MATERIAL					
								8						8		CWT	EMULSIFIED ASPHALT	404.65										
								1						1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50			83	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IIS BASE COURSE					
											1			1		LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10										
											590			590		LF	STEEL PILING, HP 12 X 63	505.155			63 73	TON TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVB INTERMEDIATE COURSE WEARING COURSE					
											2			2		EACH	DYNAMIC PILE LOADING TEST	505.45			219	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (N.A.B.I.) = NOT A BID ITEM					
											10100			10100		LB	REINFORCING STEEL, LEVEL I (EPOXY)	507.11										
											10			10		LF	DRILLING AND GROUTING DOWELS	507.16										
											235			235		LF	GROUTING SHEAR KEYS	510.24										
											282			282		LF	PRESTRESSED CONCRETE SOLID SLABS (18" x 48")	510.25										
											10			10		GAL	WATER REPELLENT, SILANE	514.10										
											44			44		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10										
											140			140		SY	MEMBRANE WATERPROOFING, SPRAY APPLIED	519.10										
											44			44		LF	JOINT SEALER, HOT POURED	524.11										
											100			100		LF	BRIDGE RAILING, GALVANIZED HDSB/FASCIA MOUNTED/STEEL TUBING	525.44										
											1			1		EACH	REMOVAL OF STRUCTURE (650 SF - EST.)	529.15										
											170			170		CY	STONE FILL, TYPE III	613.12										
								120						120		LF	REMOVING AND RESETTING FENCE	620.50										
								85						85		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21										
								4						4		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60										
								4						4		EACH	GUARDRAIL APPROACH SECTION, GALV HD STEEL BEAM	621.737										
								110						110		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80										
								200						200		HR	FLAGGERS	630.15										
												1		1		LS	FIELD OFFICE, ENGINEERS	631.10										
												1		1		LS	TESTING EQUIPMENT, CONCRETE	631.16										
												1		1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17										
												1		1		LS	TESTING EQUIPMENT, GROUT	631.19										
												3000		3000		DL	FIELD OFFICE COMMUNICATIONS (N.A.B.I.)	631.26										
								7						7		EACH	CPM SCHEDULE	633.10										
									540					540		HR	EMPLOYEE TRAINEESHIP	634.10										
								1						1		LS	MOBILIZATION/DEMOBILIZATION	635.11										
								1						1		LS	TRAFFIC CONTROL, ALL-INCLUSIVE	641.11										
																					PROJECT NAME: BURKE PROJECT NUMBER: BO 1447(31) FILE NAME: sl2j6iofrm.dgn PROJECT LEADER: C. COTA DESIGNED BY: D. PETERSON QUANTITY SHEET 1				PLOT DATE: 12-OCT-2020 DRAWN BY: R. PELLETT CHECKED BY: D. PETERSON SHEET 6 OF 39			

QUANTITY SHEET 2

[illegible]

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j6l0frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
QUANTITY SHEET 2	SHEET 7 OF 39

BRIDGE QUANTITY SHEET 1

[illegible]

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: si2j6i0frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
BRIDGE QUANTITY SHEET	SHEET 8 OF 39

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

EPSC LAYOUT PLAN SYMBOLGY

EPSC MEASURES	
ONNOONNOONNO	FILTER CURTAIN
▣ — ▣ — ▣ — ▣ — ▣ — ▣	SILT FENCE
▣ — 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 — 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: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j610frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
CONVENTIONAL SYMBOLGY LEGEND SHEET	SHEET 9 OF 39

NETWORK CONTROL

HVCTRL #1  
PATOINE  
NORTH = 777156.1020  
EAST = 1777564.9800  
ELEV. = 905.3800

GENERAL LOCATION, BURKE VT

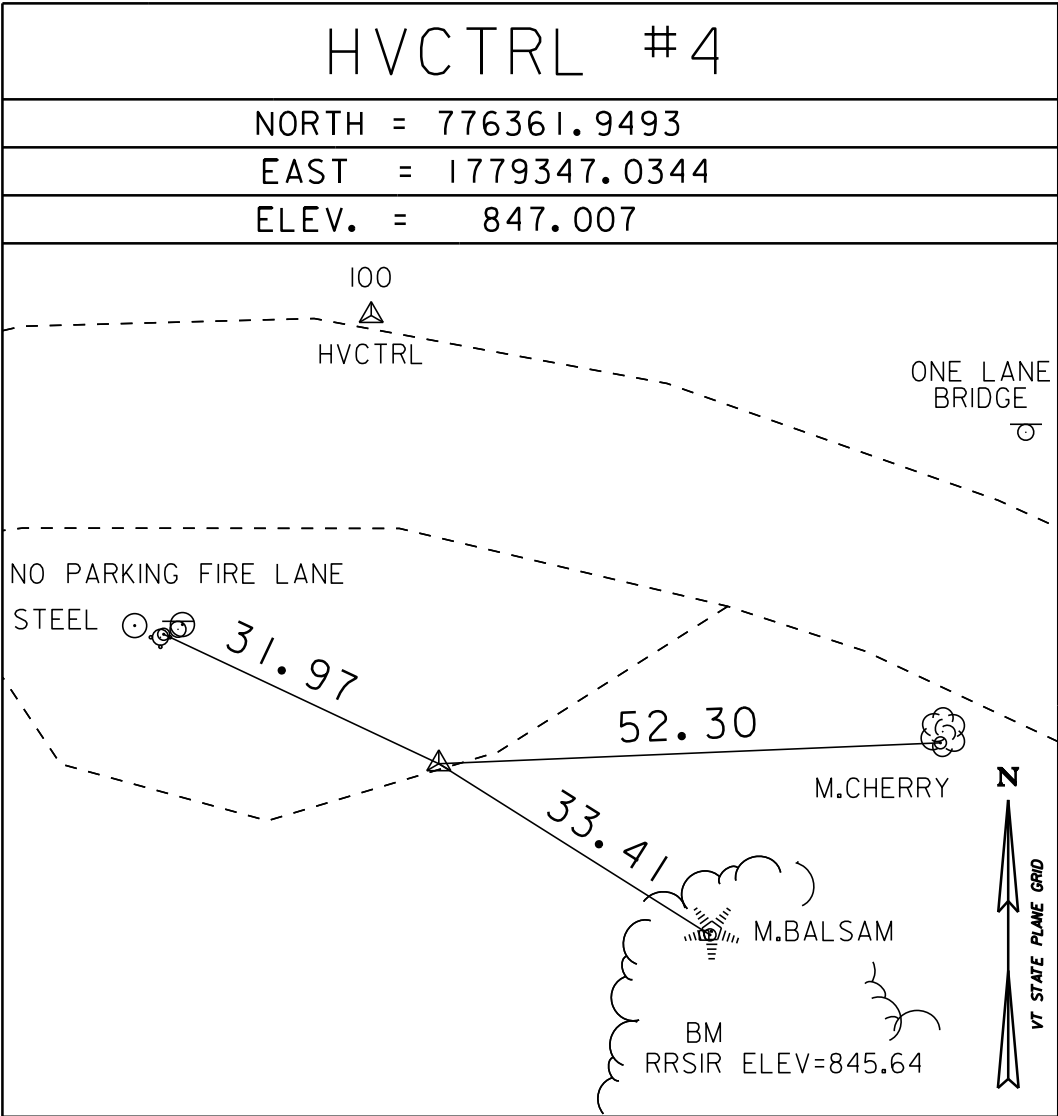
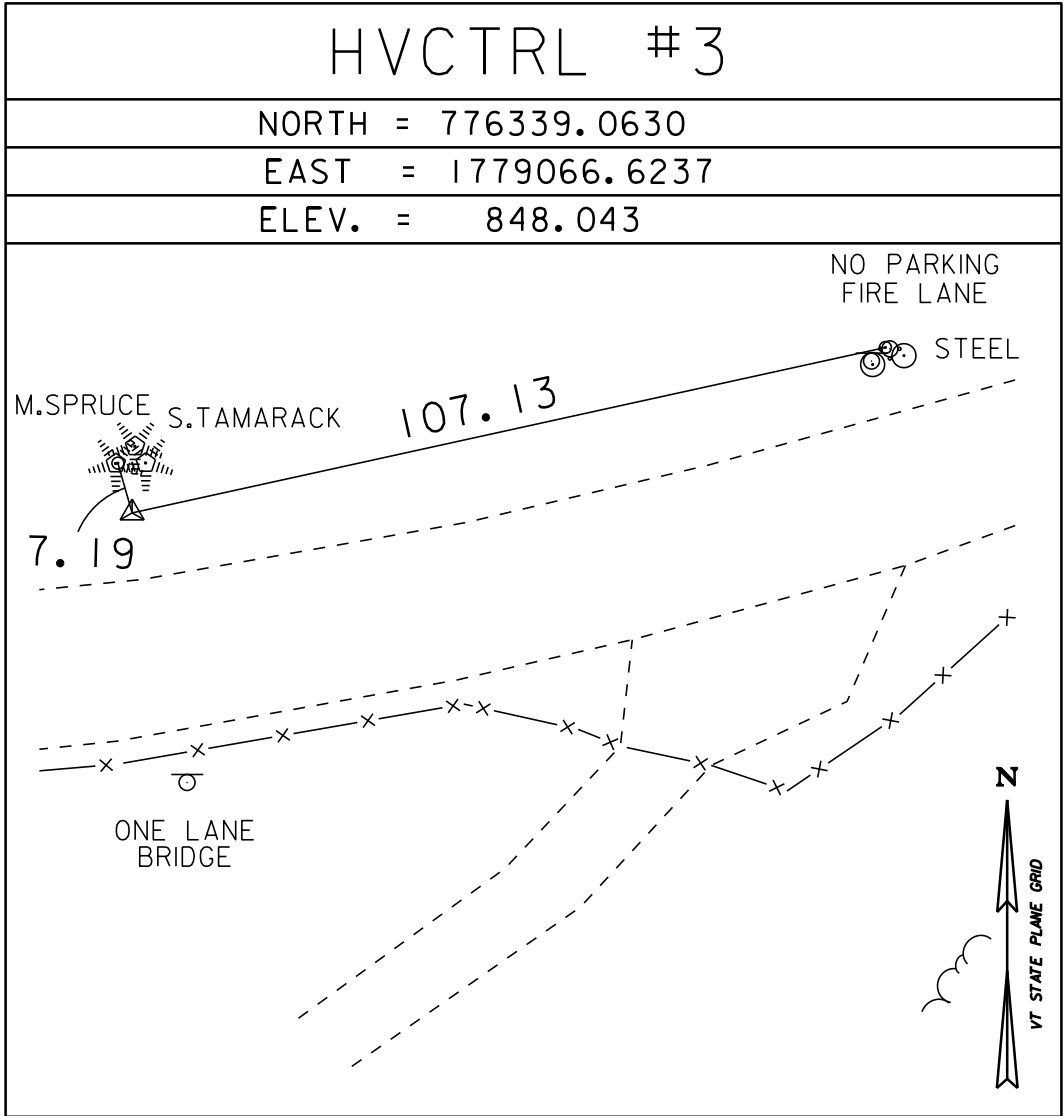
THE MARK IS SET 1 INCH BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT DRIVEN IN A BERM COMPRISED OF BALLAST AND EARTH. IT IS 36.7 FT WEST OF AND 1.3 FT HIGHER THAN THE CENTERLINE OF US ROUTE 5, 20.3 FT SW OF THE WASHINGTON COUNTY RAILROAD SW RAIL, 16.7 FT NORTH OF THE EASTERLY POST FOR THE WEST BURKE GRAVEL PIT SIGN, 90.2 FT NNW OF THE CENTERLINE OF A GATED GRAVEL DRIVE LEADING TO THE GRAVEL PIT, AND 0.7 FT SW OF A FIBERGLASS WITNESS POST.

HVCTRL #2  
PATOINE AZ MK  
NORTH = 776311.5140  
EAST = 1778805.7100  
ELEV. = 877.8720

GENERAL LOCATION, BURKE VT

THE MARK IS SET 3 INCHES BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT. IT IS 14.8 FT SOUTH OF AND 0.3 FT HIGHER THAN THE CENTERLINE OF HAYDEN CROSSING ROAD, 49.2 FT NNE OF THE NORTHEAST CORNER OF A 3BAY GARAGE, 54.1 FT SOUTHWEST OF AND ACROSS THE ROAD FROM POLE NO 5/5/48/3, 34.4 FT SOUTH OF AND ACROSS THE ROAD FROM THE EAST POST OF A GATE LEADING TO A HORSE THE PASTURE AND 4.6 FT OF A WOODEN FENCE POST AND A FIBERGLASS WITNESS POST.

LOCAL CONTROL



*TRAVERSE COMPLETED 5/16/2017 BY R. GILMAN P.C. H.MCGOWAN & B. HERRING

MAINLINE ALIGNMENT

POINT	STATIONING (ft)	NORTHING (ft)	EASTING (ft)	ELEMENT	LENGTH (ft)	WCB (0°00'00") (STRAIGHT)	WCB (0°00'00")	
							(R=STARTING ANGLE)	(R=END ANGLE)
POB	98+25.00	776319.4606	1779076.2100					
PC	99+18.07	776339.0536	1779167.1944	STRAIGHT	93.07	N 77°50'49.95" E		
PT	99+76.43	776359.2373	1779221.7362	R = -205.00	58.35		N 77°50'49.95" E	N 61°32'16.52" E
				STRAIGHT	45.73	N 61°32'16.52" E		
PC	100+22.16	776381.0332	1779264.9426	R = +140.00	116.83		N 61°32'16.52" E	S 70°3901.07" E
PT	101+38.99	776390.0465	1779375.0500	STRAIGHT	36.02	S 70°39'01.07" E		
POE	101+75.00	776378.1134	1779409.0310					

CHANNEL ALIGNMENT

POINT	STATIONING (ft)	NORTHING (ft)	EASTING (ft)	ELEMENT	LENGTH (ft)	WCB (0°00'00") (STRAIGHT)	WCB (0°00'00")	
							(R=STARTING ANGLE)	(R=END ANGLE)
POB	4+00.00	776458.3854	1779194.8031					
				STRAIGHT	200.00	S 28o27'43.48" E		
POE	6+00.00	776282.5588	1779290.1185					

DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83(2011)
ADJUSTMENT	COMPASS

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j610frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C.COTA	DRAWN BY: C.CYR
DESIGNED BY: D.PETERSON	CHECKED BY: G.HITCHCOCK
TIE SHEET	SHEET 10 OF 39

ROBERTS, TIMOTHY

SOIL INFORMATION:  
Rumney fine sandy loam,  
0 to 3 percent slopes, frequently flooded  
K-FACTOR = 0.28  
HYDROLOGICAL SOIL GROUP: B/D

SOIL INFORMATION:  
Croghan loamy fine sand,  
3 to 8 percent slopes  
K-FACTOR = 0.17  
HYDROLOGICAL SOIL GROUP: A/D

NICHOLSON, NICHOLAS J.

ROBERTS, TIMOTHY

SOIL INFORMATION:  
Wonsqueak and Pondicherry mucks,  
0 to 2 percent slopes  
K-FACTOR = Not Reported  
HYDROLOGICAL SOIL GROUP: A/D

STATE OF VERMONT  
WEST BRANCH OF PASSUMPSIC RIVER  
FLOW

BENCHMARK  
RAIL ROAD SPIKE  
IN ROOT  
ELEV. = 845.64'

BURKE TOWN  
SCHOOL DISTRICT

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

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610rsc-bdr.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
EPSC EXISTING SITE PLAN

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 11 OF 39

DELINEATOR WITH STEEL POST  
STA 99+22.0 RT (BLUE)  
STA 99+35.0 LT (GREEN)  
STA 100+58.0 LT (BLUE)  
STA 100+65.0 RT (GREEN)

REMOVING SIGNS  
STA 99+25.3 LT (NO PARKING FIRE LANE)  
STA 99+70.7 LT (OBJECT MARKER)  
STA 99+72.1 RT (OBJECT MARKER)  
STA 100+22.5 LT (OBJECT MARKER)  
STA 100+23.8 RT (OBJECT MARKER)

RESETTING SIGNS  
STA 99+27.1 LT (NO PARKING FIRE LANE)

TRAFFIC SIGNS, TYPE A  
STA 99+72.3 RT (BRIDGE 35)  
STA 100+27.7 LT (BRIDGE 35)

COARSE-MILLING, BITUMINOUS PAVEMENT  
STA 98+25.0 - 98+75.0  
STA 101+25.0 - 101+75.0

CONSTRUCT 11 FT. WIDE PAVED APRON  
STA 98+70.6 - 99+28.5 RT

SPECIAL PROVISION (DRY HYDRANT)  
BEGIN STA 100+12.0 RT (17.5') -  
END STA 100+79.0 RT (22.3')  
INLET ELEVATION 840.00 FT

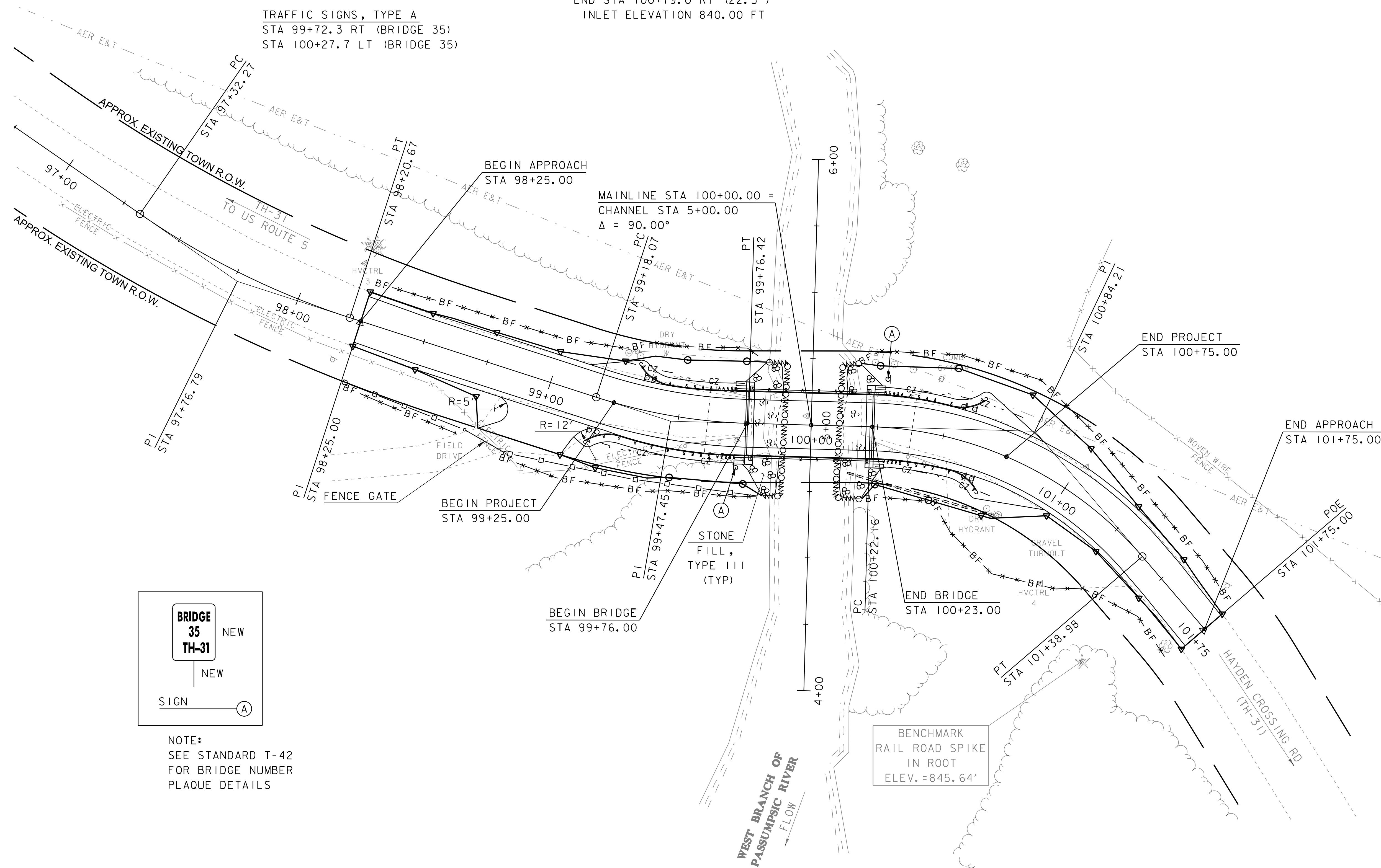
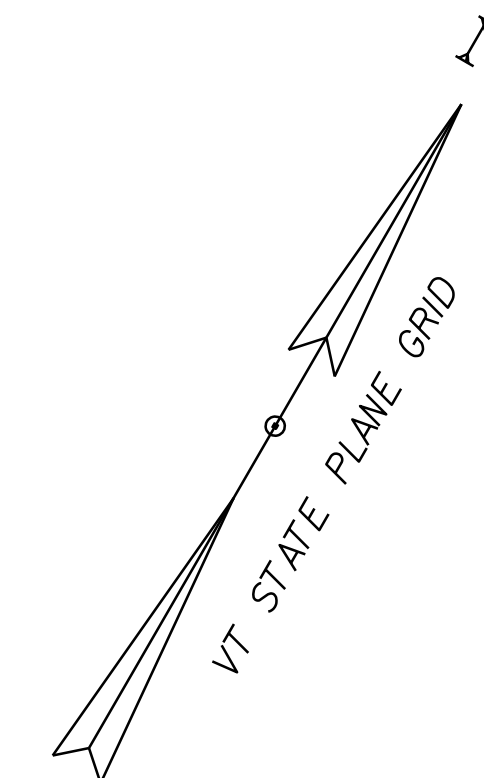
4" WHITE LINE (EDGE LINE)  
STA 98+25.0 - 101+75.0 LT (350 LF)  
STA 98+25.0 - 101+75.0 RT (350 LF)

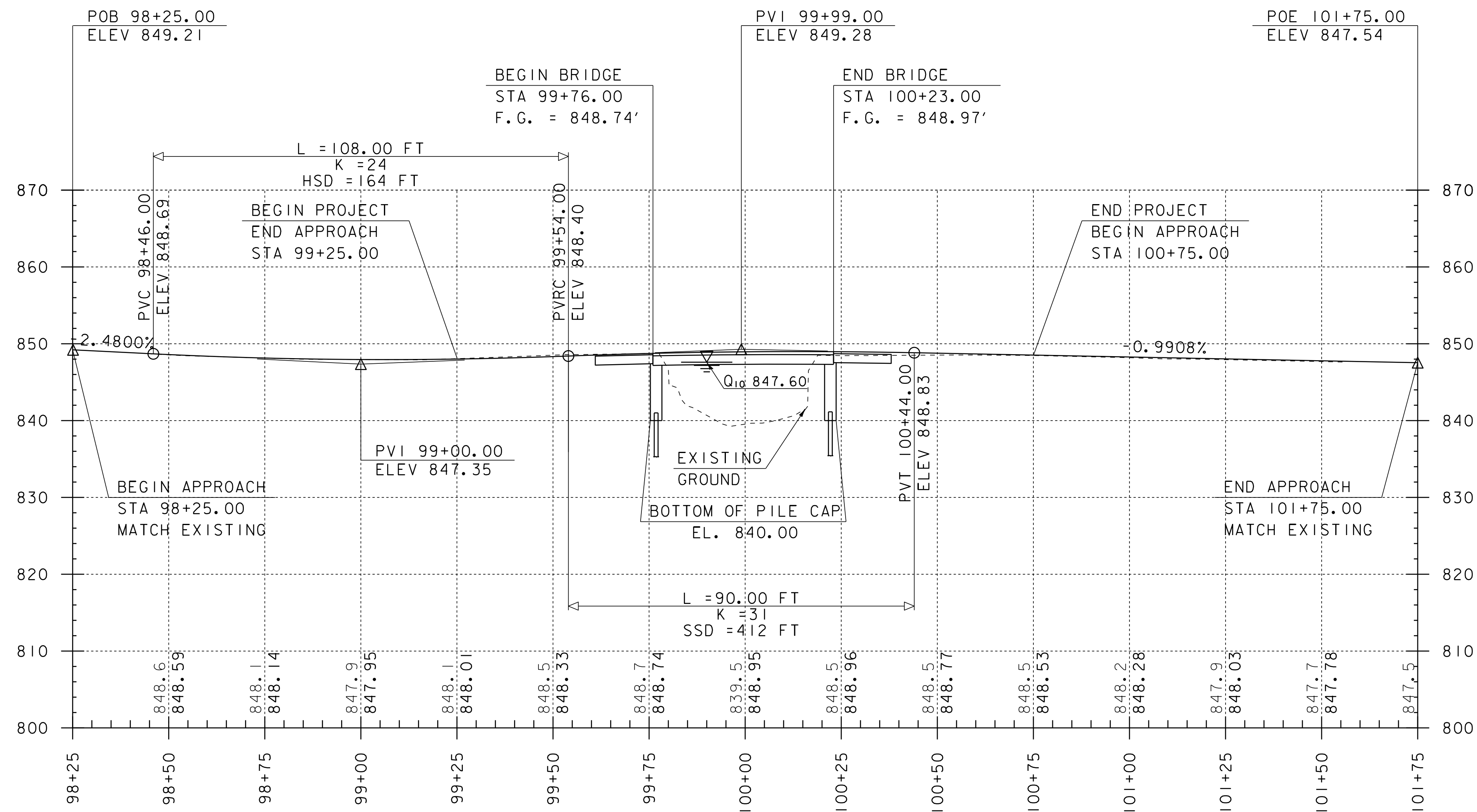
4" YELLOW LINE (DOUBLE CENTERLINE)  
STA 98+25.0 - 101+75.0 (350 LF)

SPECIAL PROVISION (BARBED WIRE FENCE)  
STA 99+53.4 - 99+80.5 RT

REMOVING AND RESETTNG FENCE  
STA 98+25.0 - 98+75.0 RT  
STA 98+92.3 - 99+53.4 RT

REMOVAL AND DISPOSAL OF GUIDE POSTS  
STA 100+23.0 - 100+36.0 LT (3 POSTS)





### BURKE TH-31 PROFILE

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

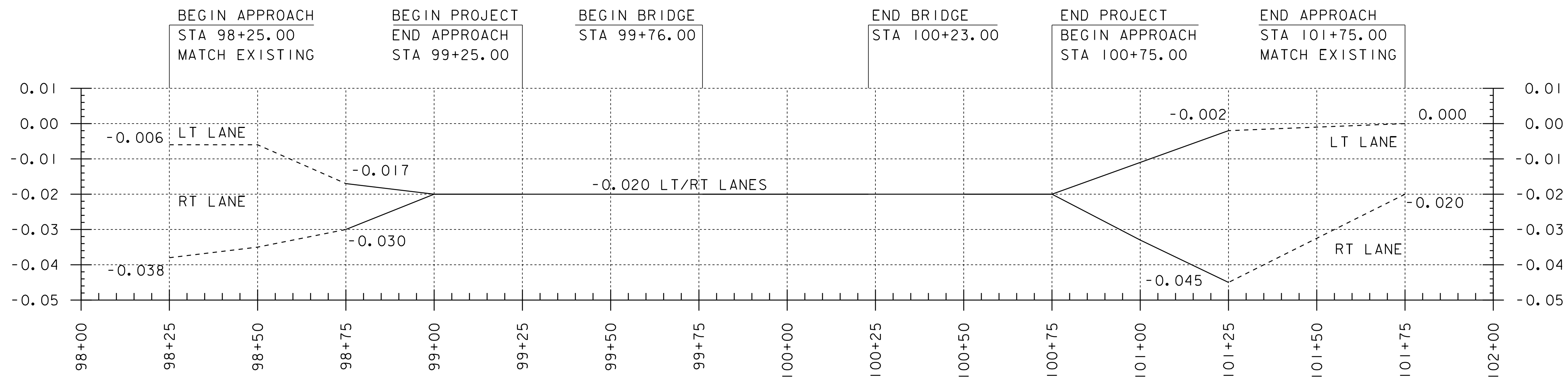
NOTE:  
GRADES SHOWN TO THE NEAREST  
TENTH ARE EXISTING GROUND ALONG CL

GRADES SHOWN TO THE NEAREST  
HUNDREDTH ARE FINISH GRADE ALONG CL

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

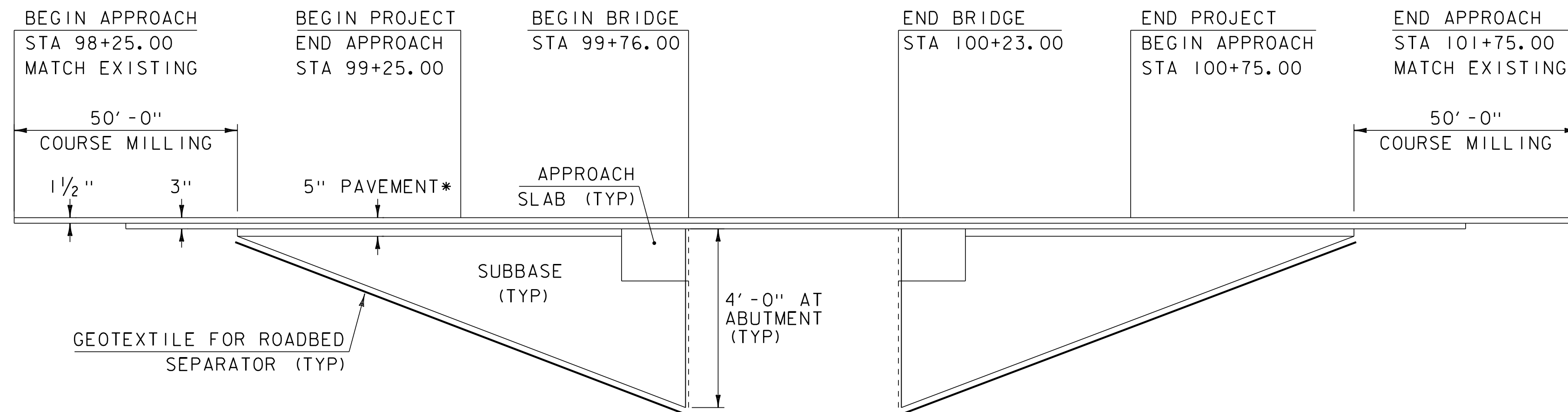
FILE NAME: s12j610profile.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
PROFILE SHEET

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 13 OF 39



### BANKING DIAGRAM

SCALE: HORIZONTAL 1"=20'-0"  
VERTICAL 1"=2.0%



### MATERIAL TRANSITION DIAGRAM

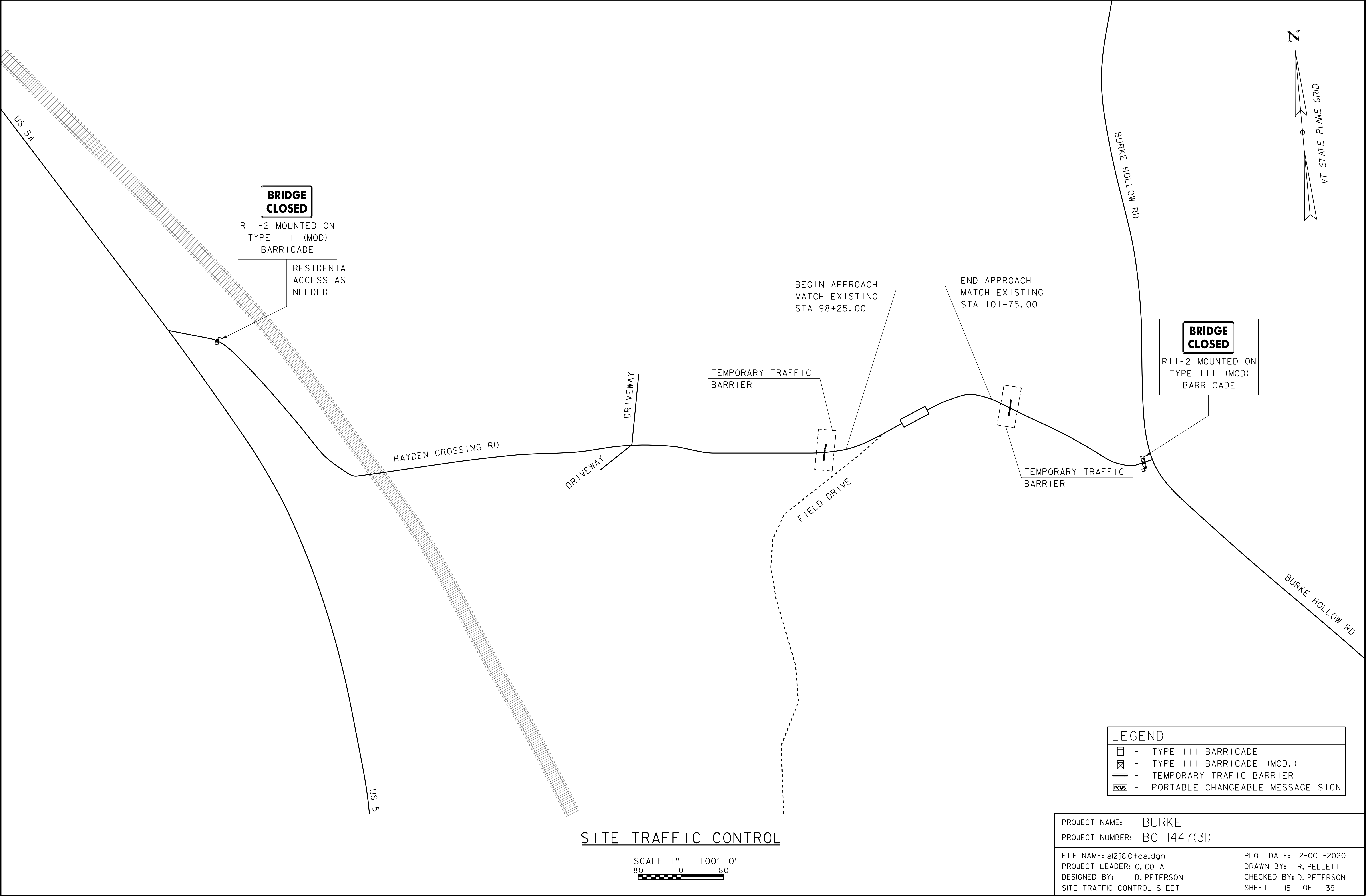
SCALE: HORIZONTAL 1"=20'-0"  
VERTICAL 1"=2'-0"

* PAVEMENT:  
(2) 1 1/2" LIFTS OF TYPE IVB  
(1) 2" LIFT OF TYPE IIIS

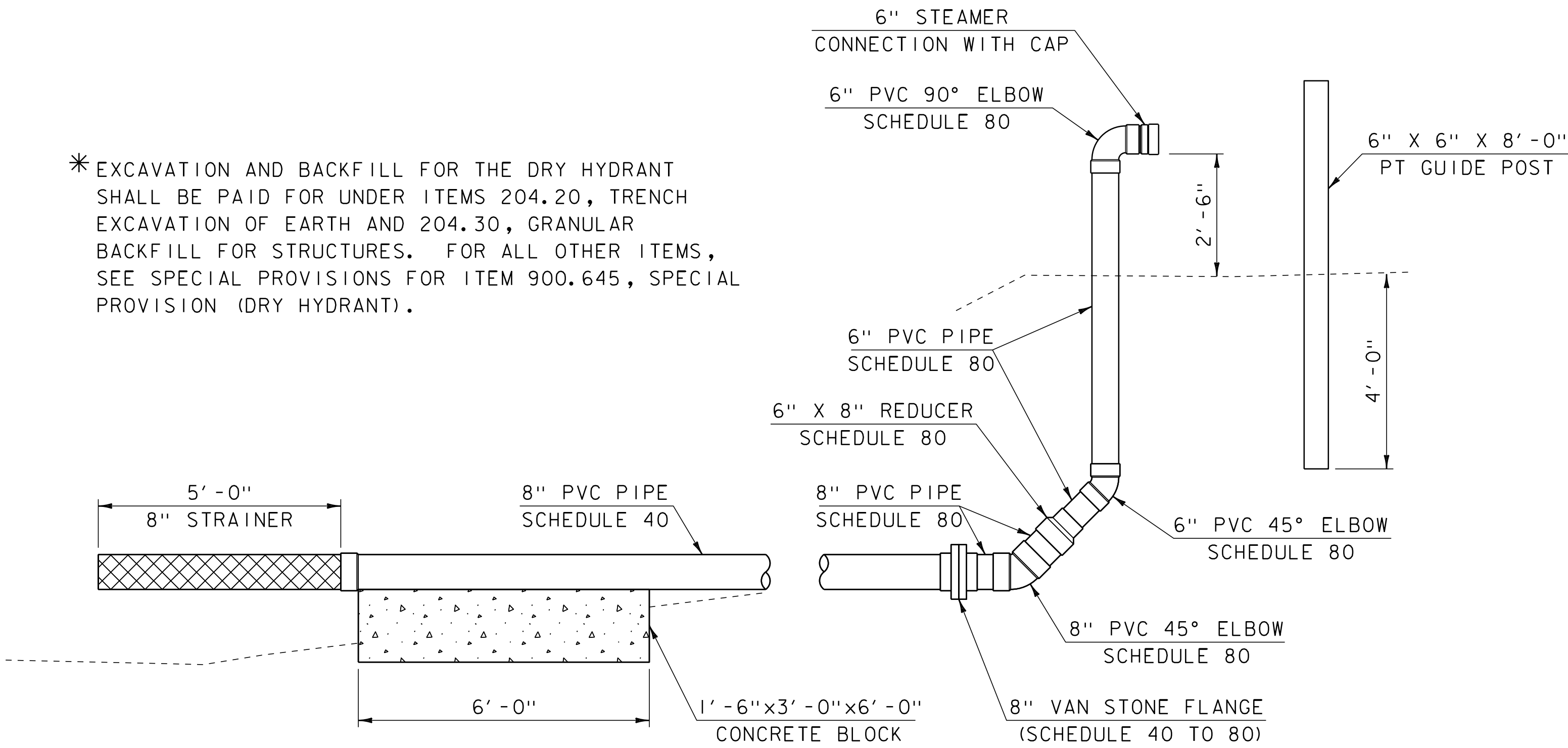
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610profile.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
BANKING & MATERIAL TRANSITION DIAGRAMS

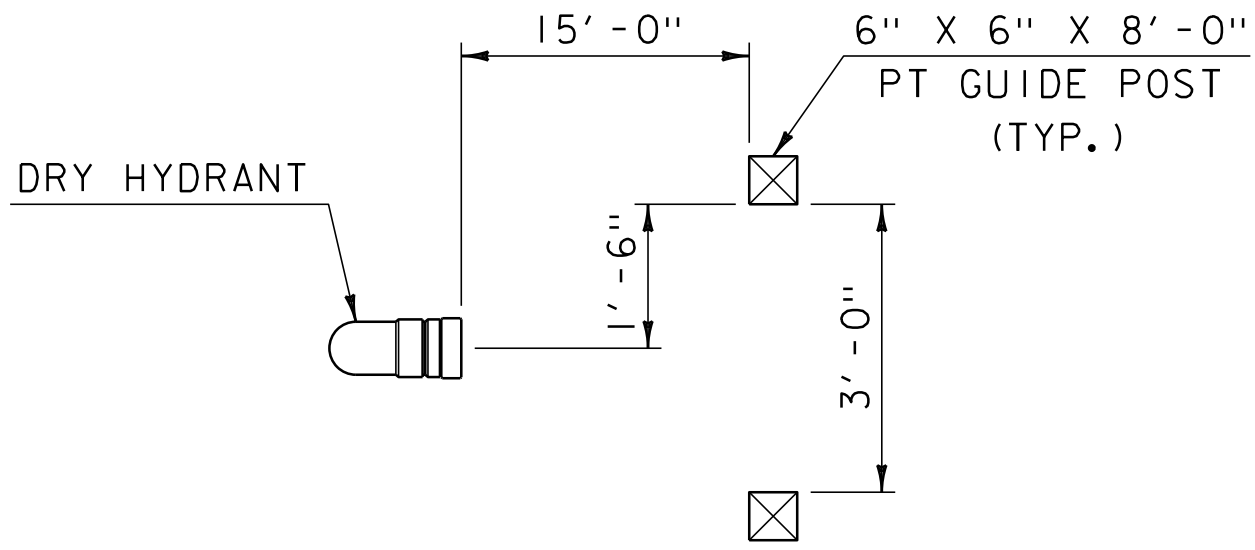
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 14 OF 39



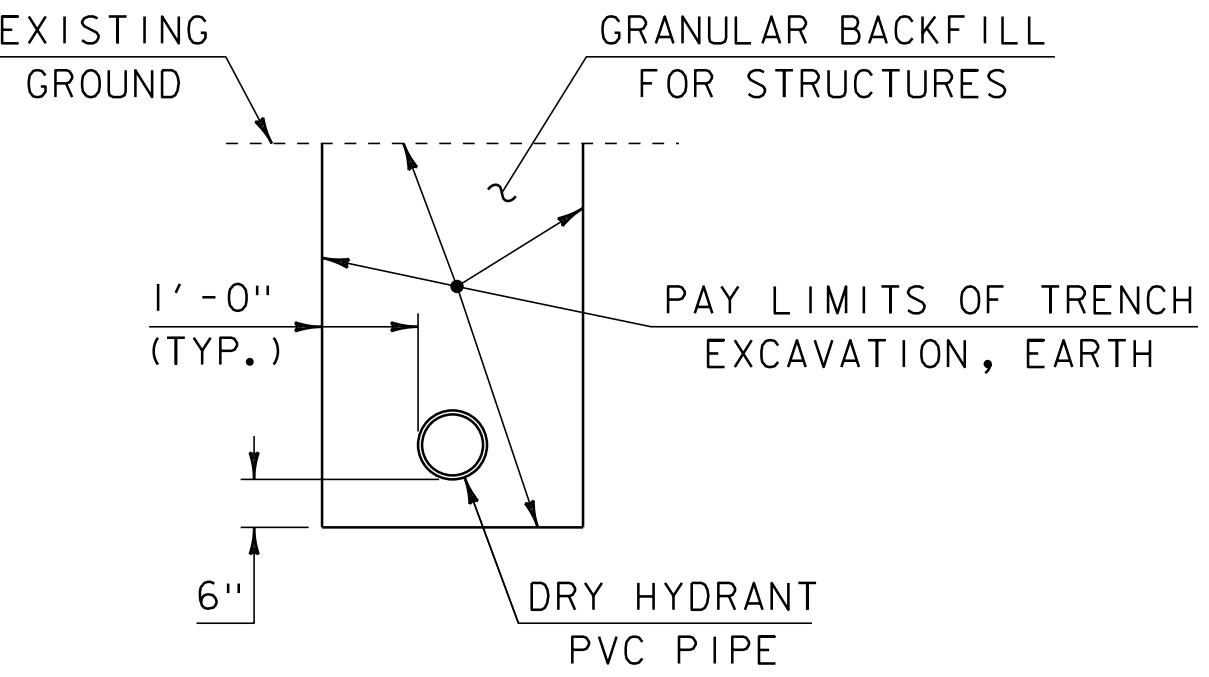
* EXCAVATION AND BACKFILL FOR THE DRY HYDRANT SHALL BE PAID FOR UNDER ITEMS 204.20, TRENCH EXCAVATION OF EARTH AND 204.30, GRANULAR BACKFILL FOR STRUCTURES. FOR ALL OTHER ITEMS, SEE SPECIAL PROVISIONS FOR ITEM 900.645, SPECIAL PROVISION (DRY HYDRANT).



* DRY HYDRANT ELEVATION  
NOT TO SCALE

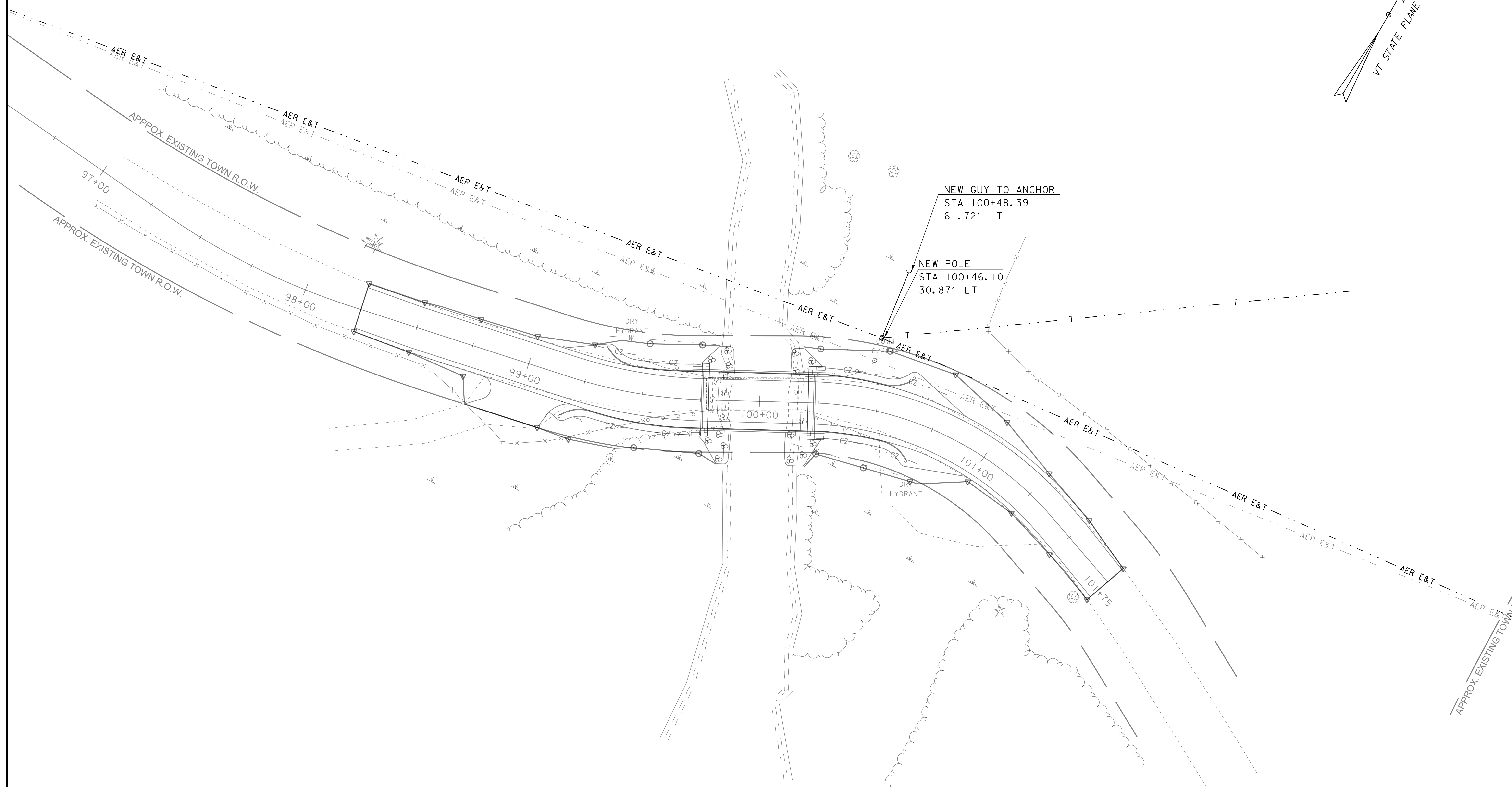
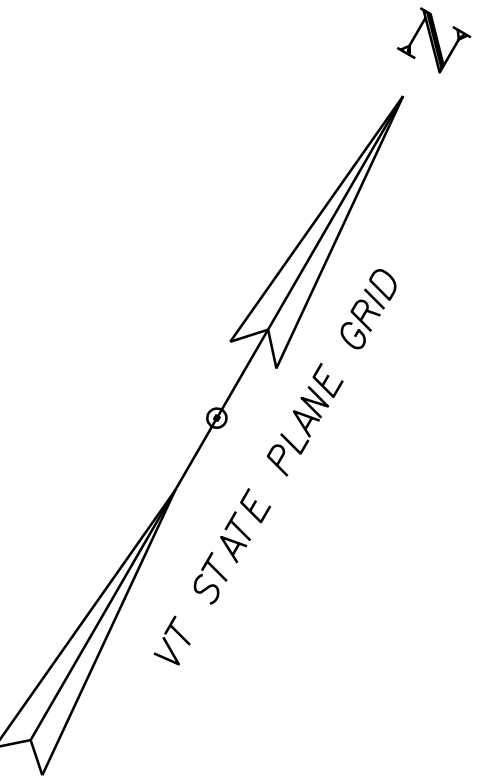


DRY HYDRANT PLAN  
NOT TO SCALE



EARTHWORK LIMITS  
NOT TO SCALE

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j610xs.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
DRY HYDRANT DETAILS	SHEET 16 OF 39



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

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: sl2j610ut1.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON	CHECKED BY: D. PETERSON
UTILITY LAYOUT	SHEET 17 OF 39

REMOVAL AND DISPOSAL OF GUARDRAIL

STA 99+45.1 - 99+77.2 LT  
STA 99+53.6 - 99+77.4 RT  
STA 100+19.2 - 100+41.4 LT  
STA 100+24.0 - 100+50.8 RT

HD STEEL BEAM GUARDRAIL, GALVANIZED

STA 99+19.7 - 99+48.0 RT  
STA 99+32.1 - 99+44.5 LT  
STA 100+50.2 - 100+60.6 LT  
STA 100+55.4 - 100+68.2 RT

ANCHOR FOR STEEL BEAM GUARDRAIL

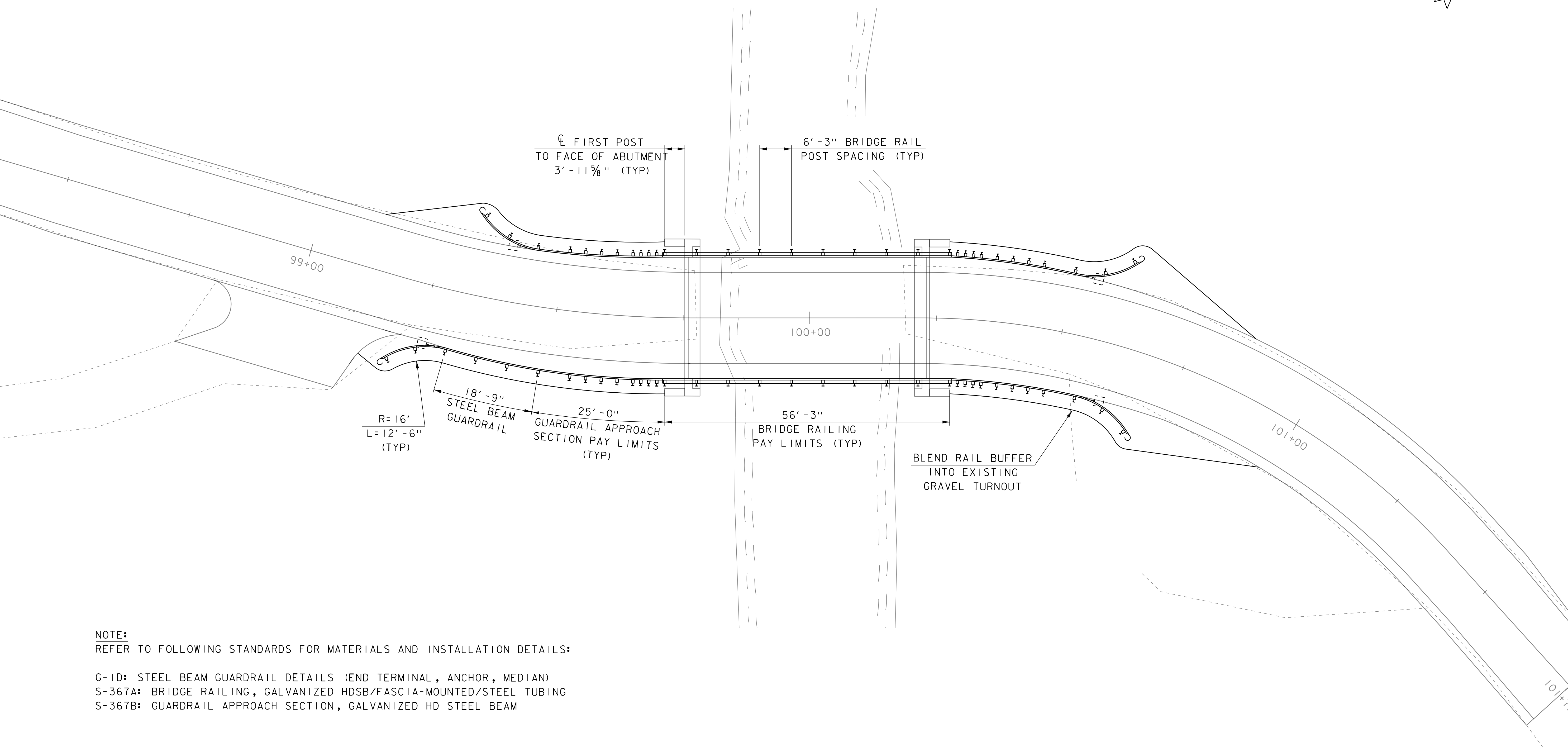
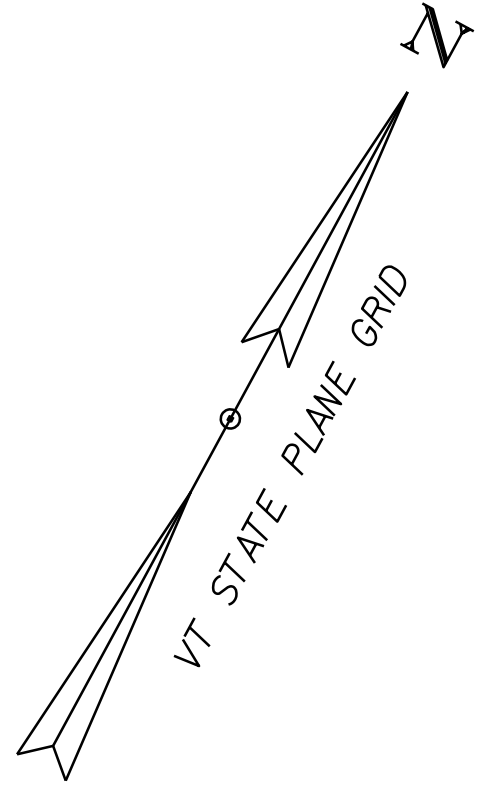
STA 99+25.7 RT  
STA 99+39.3 LT  
STA 100+54.7 LT  
STA 100+60.8 RT

GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM

STA 99+44.5 - 99+71.1 LT  
STA 99+48.0 - 99+71.6 RT  
STA 100+27.2 - 100+50.2 LT  
STA 100+28.1 - 100+55.4 RT

BRIDGE RAILING, GALVANIZED HDSB/  
FASCIA-MOUNTED/STEEL TUBING W/ HANDRAIL

STA 99+71.1 - 100+27.2 LT  
STA 99+71.6 - 100+28.1 RT



NOTE:

REFER TO FOLLOWING STANDARDS FOR MATERIALS AND INSTALLATION DETAILS:

- G-1D: STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)
- S-367A: BRIDGE RAILING, GALVANIZED HDSB/FASCIA-MOUNTED/STEEL TUBING
- S-367B: GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM

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

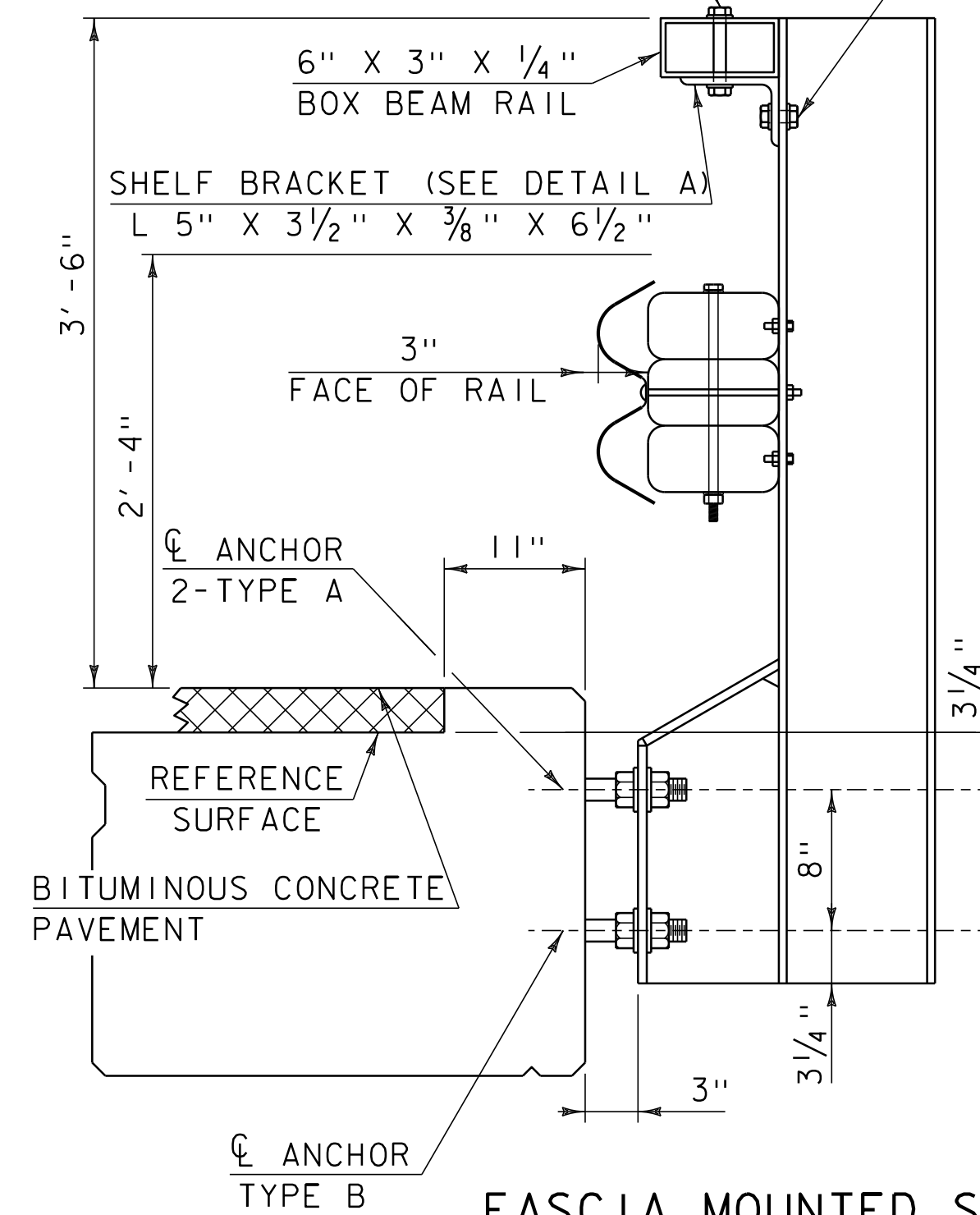
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610rail.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
RAILING LAYOUT

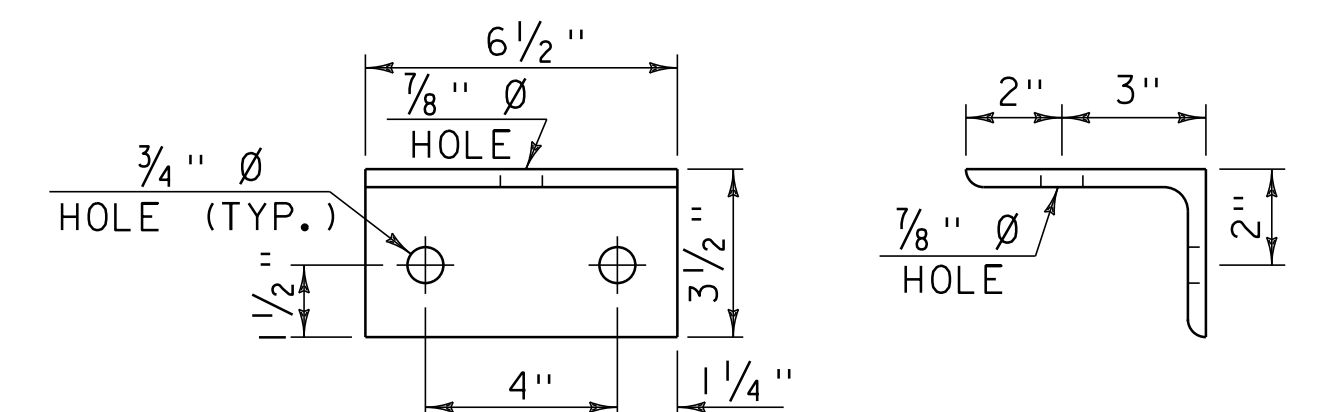
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 18 OF 39

$\frac{5}{8}$ "  $\varnothing$  X  $4\frac{1}{2}$ " BOLT W/ HEX NUT AND 2 WASHERS  
IN  $\frac{1}{8}$ "  $\varnothing$  HOLE IN SHELF BRACKET. FIELD DRILL  
 $\frac{3}{4}$ "  $\varnothing$  HOLE IN TUBING (TYP.)

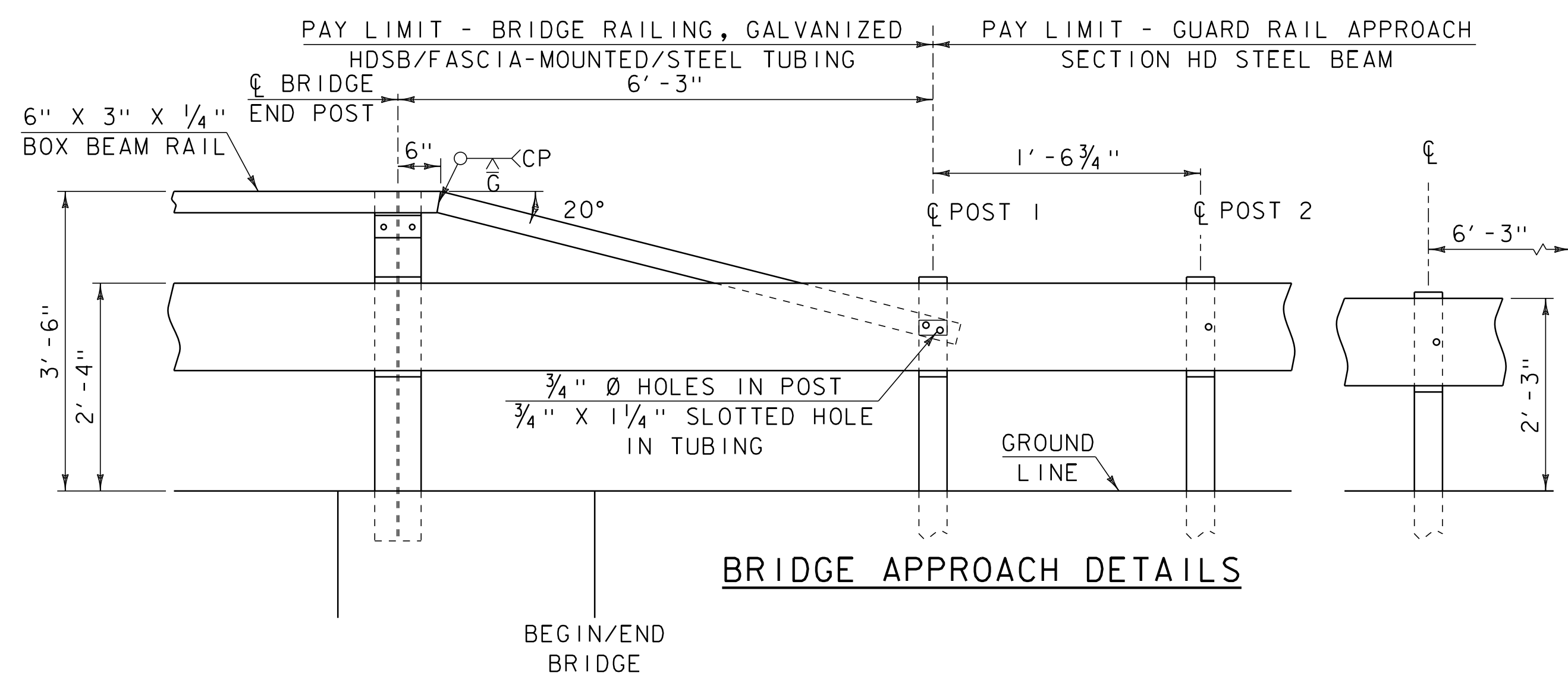
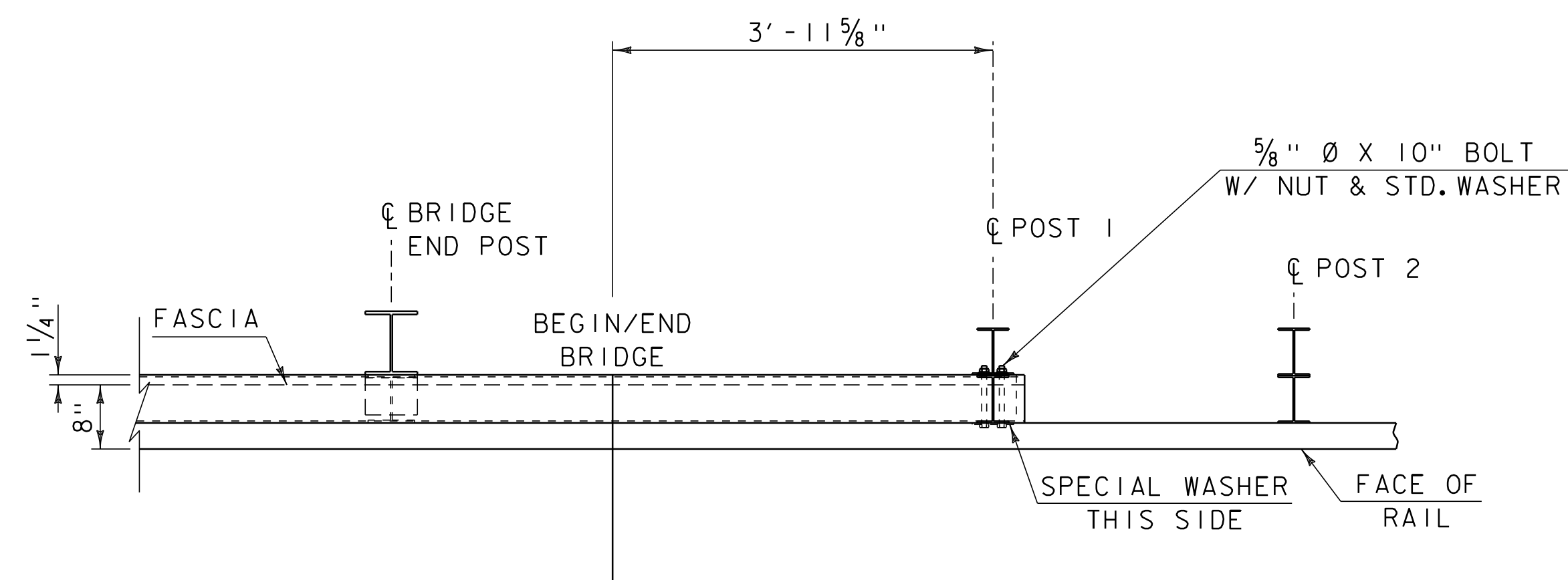
2 -  $\frac{5}{8}$ "  $\varnothing$  X 2"  
HEX BOLTS  
W/ WASHERS



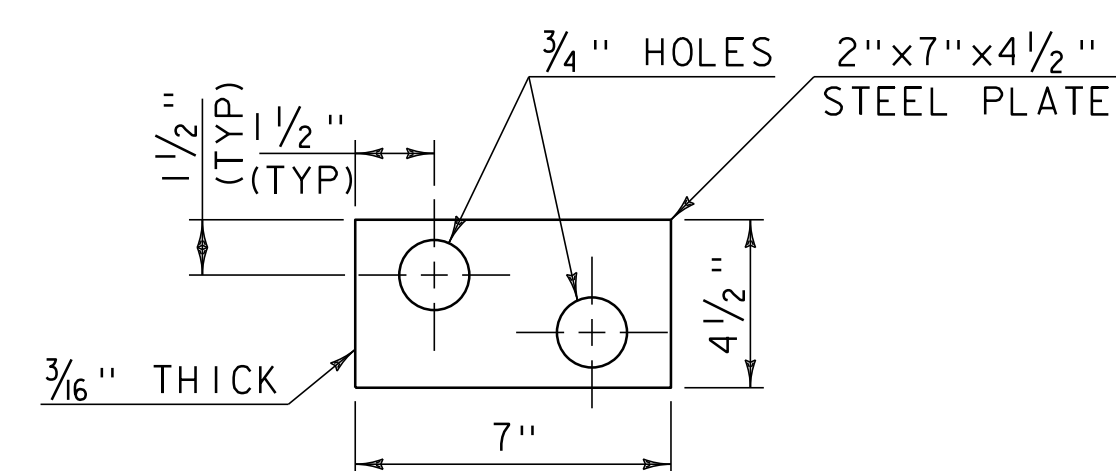
**FASCIA MOUNTED STEEL POST  
WITH BOX BEAM HAND RAIL**



**DETAIL A - SHELF BRACKET**



**BRIDGE APPROACH DETAILS**



**FIRST POST OFF BRIDGE**

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610rail.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
BRIDGE RAIL DETAIL

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 19 OF 39

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 5/8"
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
gr'y	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		

TH-31  
TO US ROUTE 5

B-101

WEST BRANCH OF  
PASSUMPSIC RIVER

FLOW

100+00

B-104

TH-31  
TO TH-2

101+00

SCALE 1" = 10' - 0"

BORING LOCATION PLAN

BORING CHART

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 > 0.0787" (#10 sieve).  
SAND - Particles of rock < 0.0787" (#10 sieve) and > 0.0029" (#200 sieve).  
SILT - Soil < 0.0029" (#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 01/16/2019 and 02/07/2019 by 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.

4. 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.

HOLE NO.	SURV. STATION	OFFSET	GROUND ELEV.	ELEV. TLOB
B-101	99+66.59	8.48 L	848.0	779.4
B-104	100+26.71	2.06 R	848.5	778.9

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610bor.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
BORING INFORMATION SHEET

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 20 OF 39



		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-104	
				Burke BO 1447(31) TH 31		Page No.: 1 of 2	
						Pin No.: 12 610	
						Checked By: SPM	
Boring Crew: Gonyaw, Brochu, Emerson				Casing		Sampler	
Date Started: 1/16/19 Date Finished: 1/25/19				Type: WB SS			
VTSPG NAD83: N 776381.30 ft E 1779266.90 ft				I.D.: 4 in 1.5 in			
Station: 100+27 Offset: 2.1 RT				Hammer Wt: N.A. 140 lb.			
Ground Elevation: 848.5 ft				Hammer Fall: N.A. 30 in.			
				Hammer/Rod Type: Auto/AWJ			
				Rig: CME 45C SKID CE = 1.56			
				Groundwater Observations			
				Date		Depth (ft)	
				01/16/19		6.0 W.T. during drilling	
				01/25/19		3.6 W.T. before drilling	
				01/25/19		6.0 W.T. during drilling	
Depth (ft)		Strata (1)		CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	
						Core Rec. % (RQD %)	
						Drill Rate minutes/ft	
						Blows/6" (N Value)	
						Moisture Content %	
						Gravel %	
						Sand %	
						Fines %	
5				Asphalt Pavement, 0.0 ft - 0.5 ft			
				Visual Description:; SaGr, brn, Moist, Rec. = 1.0 ft			
				Visual Description:; GrSa, brn, Moist, Rec. = 0.8 ft			
10				A-2-4, Sa, brn, Moist, Rec. = 1.5 ft, Field Note: Wood was within sample			
				Visual Description:; SiSa, brn, Moist, Rec. = 1.2 ft, Field Note: NXDC, Cleaned out casing 7.1-8.0 feet. Wood was within sample. Lab Note: Similar to sample from 4.0-6.0 feet			
				Visual Description:; GrSiSa, brn, Moist, Rec. = 0.3 ft, Field Note: NXDC, Cleaned out casing 9.3-10.0 feet. Wood was within sample			
				Visual Description:; GrSiSa, brn, MTW, Rec. = 0.3 ft, Field Note: NXDC, Cleaned out casing 11.1-12.0 feet. Wood was within sample			
				Visual Description:; GrSiSa, brn, MTW, Rec. = 0.3 ft, Field Note: NXDC, Cleaned out casing 13.4-14.0 feet			
15				Field Note:; No Recovery, rock in end of sampler. NXDC, Cleaned out casing 15.4-16.0 feet			
				Field Note:; No Recovery			
20				Visual Description:; SiSa, brn, MTW, Rec. = 0.9 ft, Lab Note: Similar to sample from 20.0-22.0 feet			
				A-2-4, SiSa, brn, MTW, Rec. = 0.7 ft			
25				Visual Description:; SiSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Similar to sample from 20.0-22.0 feet			
30				Visual Description:; GrSa, brn, MTW, Rec. = 0.9 ft			
35				Field Note:; No Recovery, rock in end of sampler, Lab Note: Similar to sample from 40.0-42.0 feet			
40				A-1-b, GrSa, brn, MTW, Rec. = 1.0 ft			
Notes:				1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.			

BOTTOM OF PILE CAP  
ABUTMENT 2  
ELEV. = 840.00'

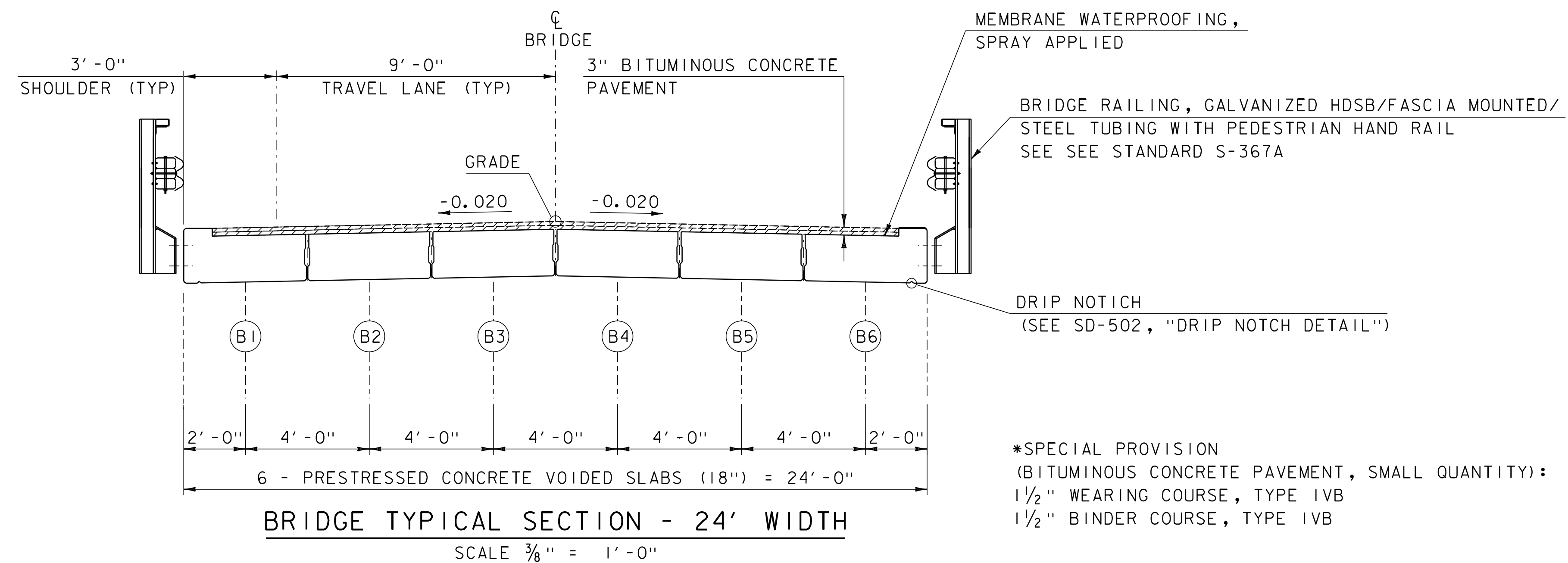
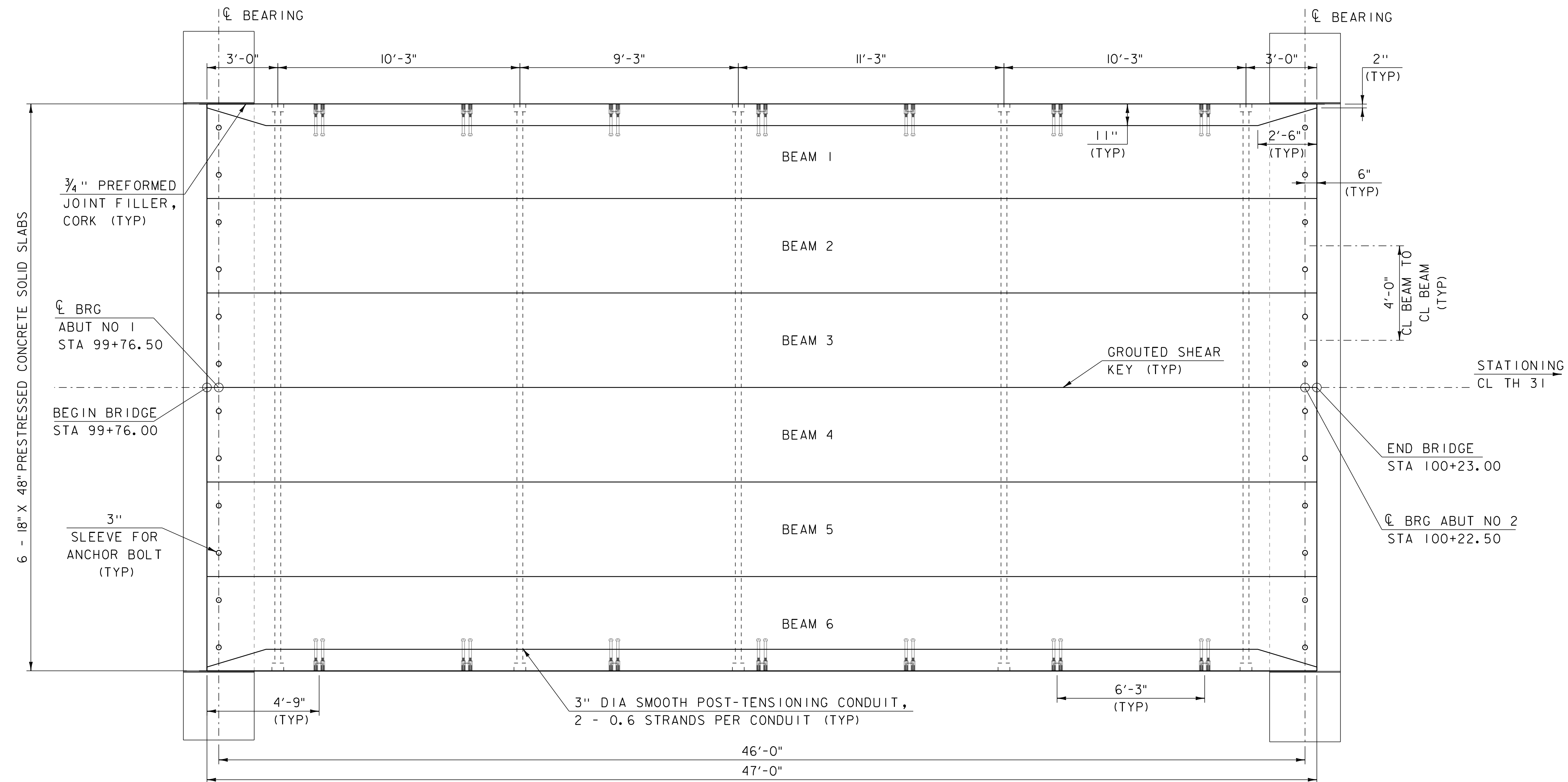
		STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		BORING LOG		Boring No.: B-104	
				Burke BO 1447(31) TH 31		Page No.: 2 of 2	
						Pin No.: 12 610	
						Checked By: SPM	
Boring Crew: Gonyaw, Brochu, Emerson				Casing		Sampler	
Date Started: 1/16/19 Date Finished: 1/25/19				Type: WB SS			
VTSPG NAD83: N 776381.30 ft E 1779266.90 ft				I.D.: 4 in 1.5 in			
Station: 100+27 Offset: 2.1 RT				Hammer Wt: N.A. 140 lb.			
Ground Elevation: 848.5 ft				Hammer Fall: N.A. 30 in.			
				Hammer/Rod Type: Auto/AWJ			
				Rig: CME 45C SKID CE = 1.56			
				Groundwater Observations			
				Date		Depth (ft)	
				01/16/19		6.0 W.T. during drilling	
				01/25/19		3.6 W.T. before drilling	
				01/25/19		6.0 W.T. during drilling	
Depth (ft)		Strata (1)		CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	
						Core Rec. % (RQD %)	
						Drill Rate minutes/ft	
						Blows/6" (N Value)	
						Moisture Content %	
						Gravel %	
						Sand %	
						Fines %	
50				Visual Description:; GrSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Similar to sample from 40.0-42.0 feet			
				Visual Description:; SiSa, brn, MTW, Rec. = 1.2 ft			
55				Visual Description:; SiSa, brn, MTW, Rec. = 1.2 ft			
60				Visual Description:; GrSa, brn, MTW, Rec. = 0.6 ft, Field Note: NXDC, Cleaned out casing 67.9-67.6 feet. Broken rock was within sample			
65							
70				69.6 ft - 74.6 ft, Gray, Interbedded micaceous quartz-rich Meta-Limestone, and gray/dark gray sulfidic slightly calcareous PHYLLITE. Massive quartz vein at 73.9 ft to 74.3 ft. Gray/green staining and occasional rust splotches on joints. Moderately hard, Slightly weathered, Fair rock, NXMDC, RMR=53		Top of Bedrock @ 69.6 ft	
75				74.6 ft - 79.6 ft, Gray, Micaceous quartz-rich Meta-Limestone, with occasional gray/dark gray sulfidic slightly calcareous PHYLLITE interbeds. Joints are fresh. Moderately hard, Unweathered, Good rock, NXMDC, RMR=61			
80				Hole stopped @ 79.6 ft			
85				Remarks: Hole collapsed at 15.5 feet. Used bentonite to drill from 27 feet.			
Notes:				1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.			

ESTIMATED PILE TIP  
ABUTMENT 2  
ELEV. = 778.90'

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

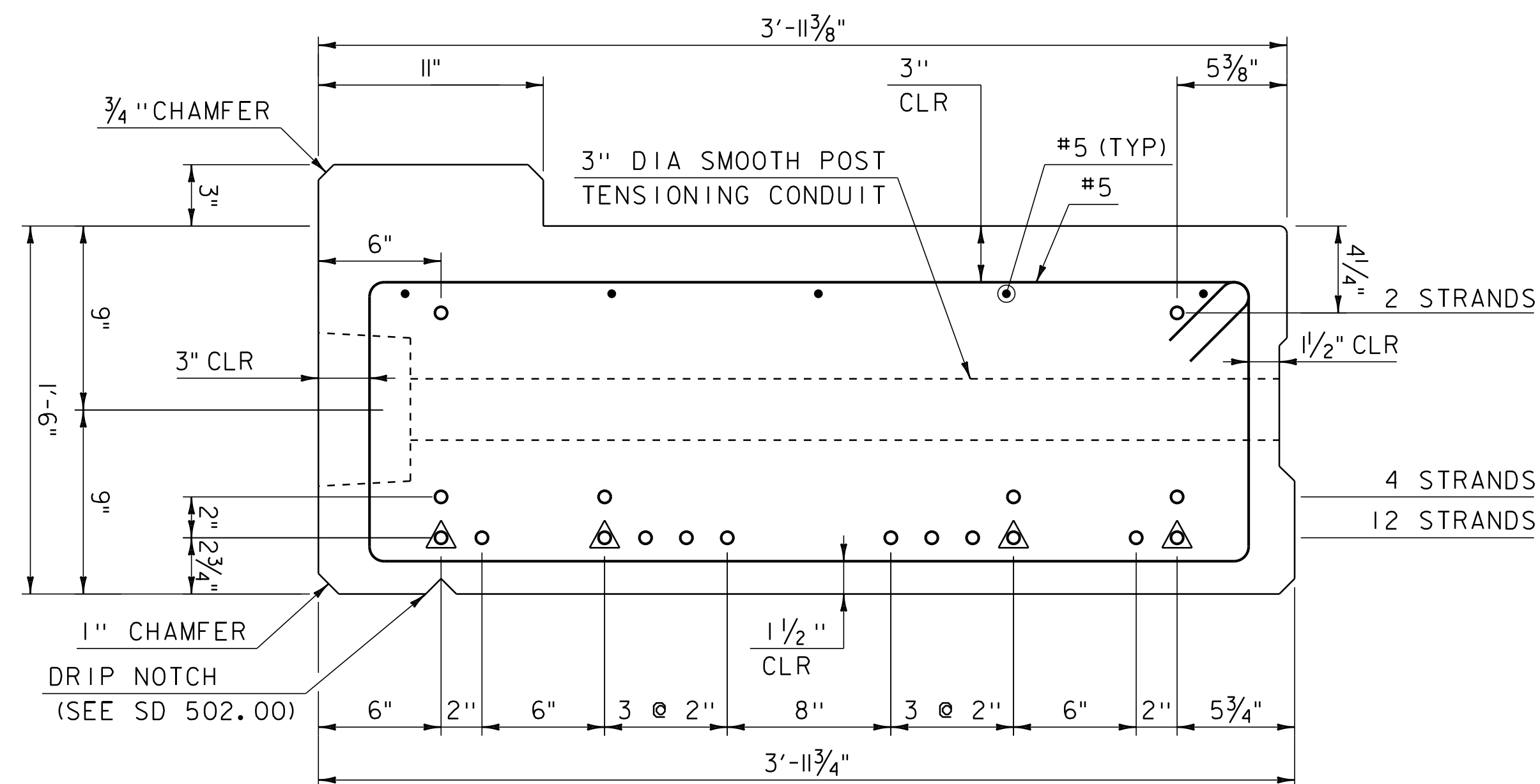
FILE NAME: si2j6i0bor.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
BORING LOGS 2

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 22 OF 39



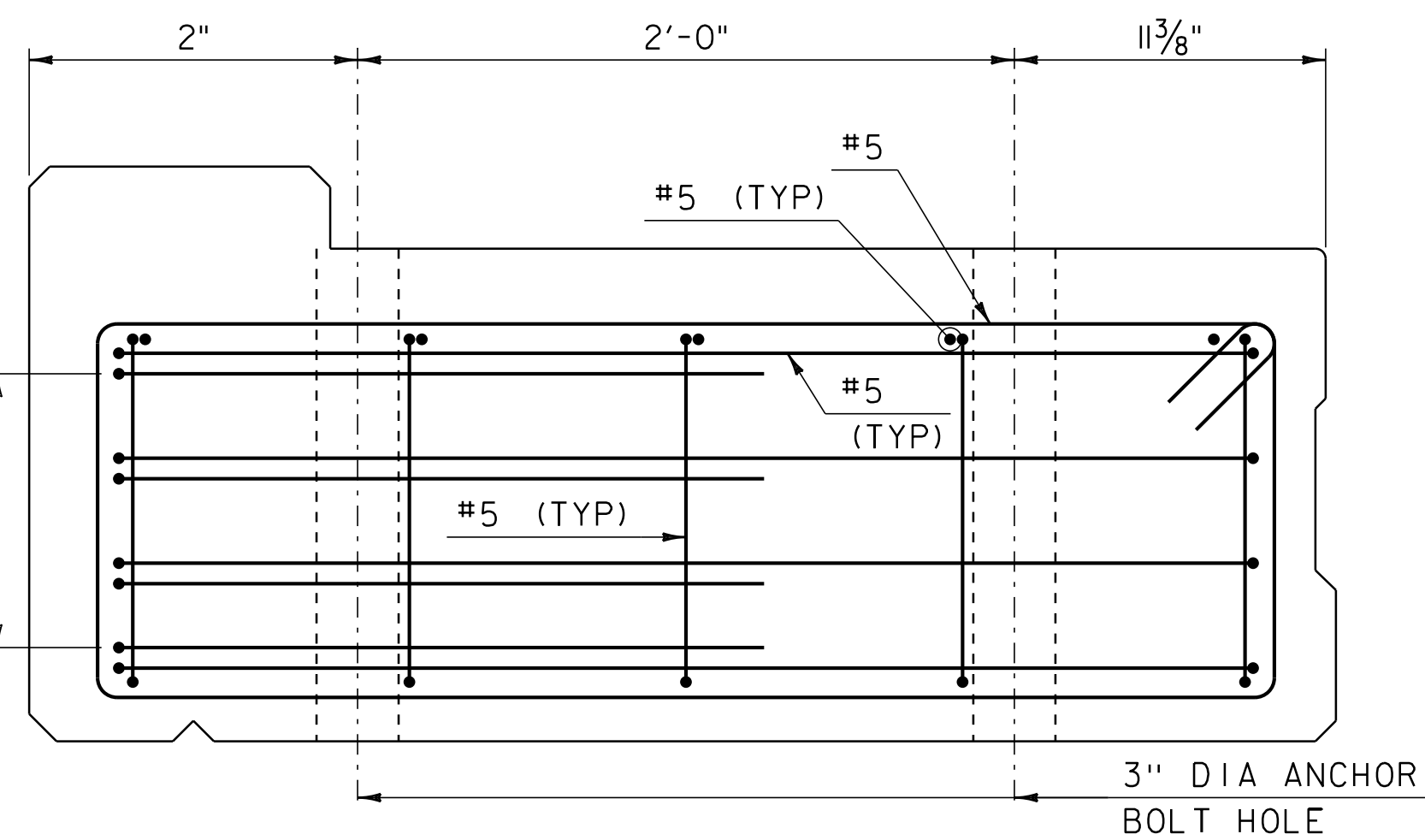
PROJECT NAME: BURKE  
 PROJECT NUMBER: BO 1447(31)  
 FILE NAME: sl2j6l0super.dgn  
 PROJECT LEADER: C. COTA  
 DESIGNED BY: D. PETERSON  
 FRAMING PLAN

PLOT DATE: 12-OCT-2020  
 DRAWN BY: R. PELLETT  
 CHECKED BY: D. PETERSON  
 SHEET 23 OF 39



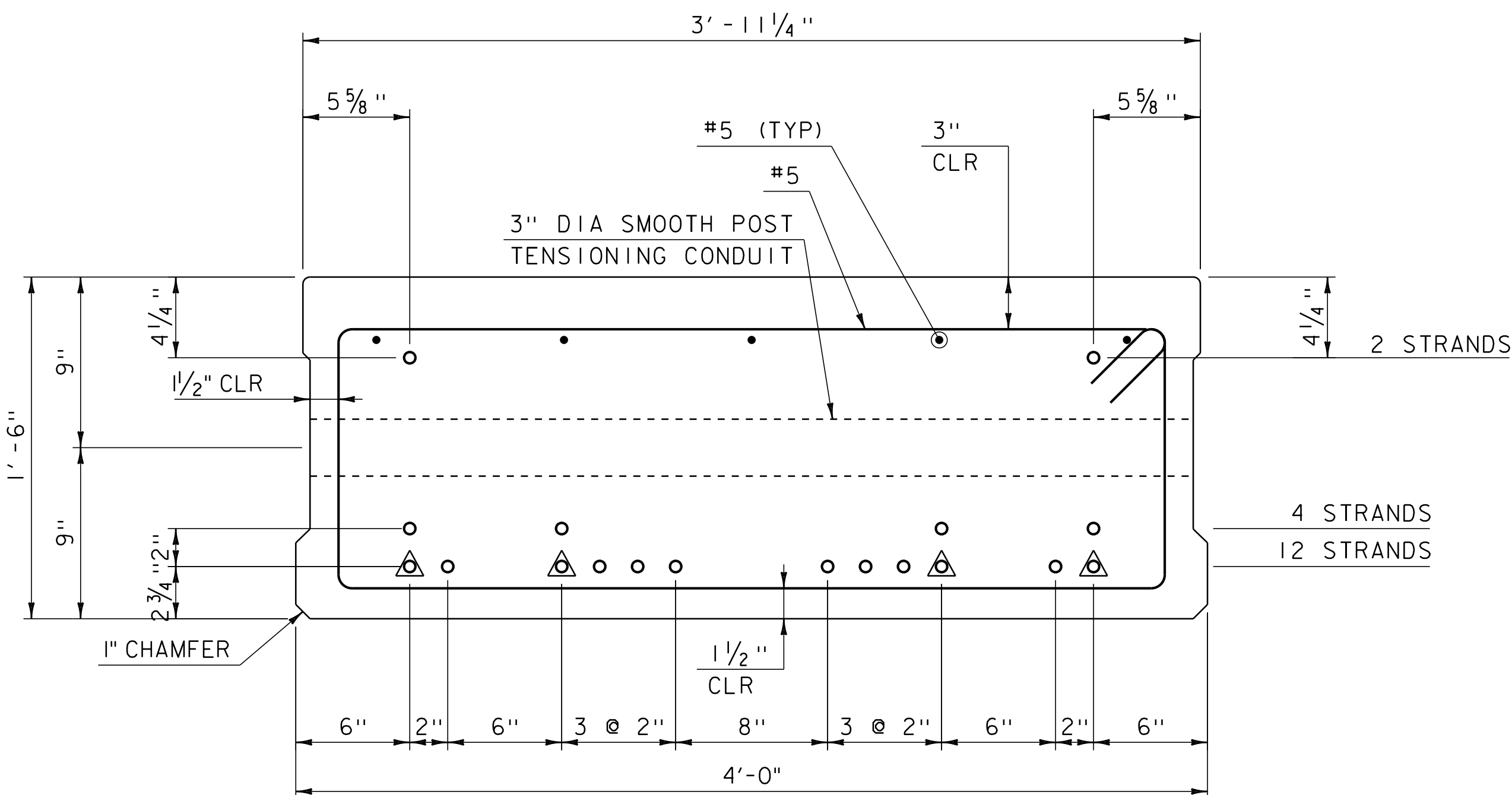
**TYPICAL EXTERIOR SECTION**

SCALE: 2" = 1'-0"



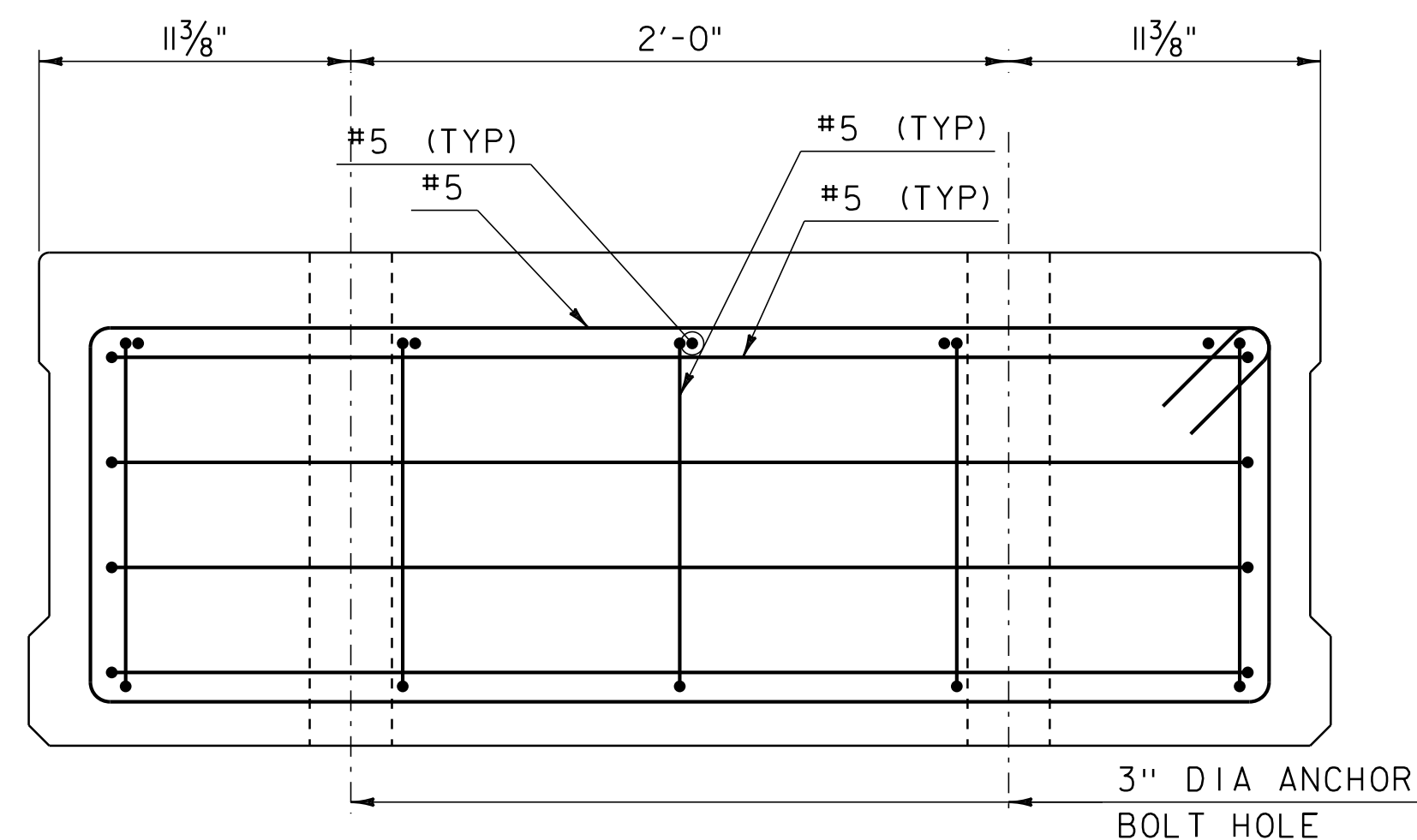
**END ELEVATION EXTERIOR BEAM**

SCALE: 2" = 1'-0"  
(PRESTRESSING STRAND NOT SHOWN FOR CLARITY)



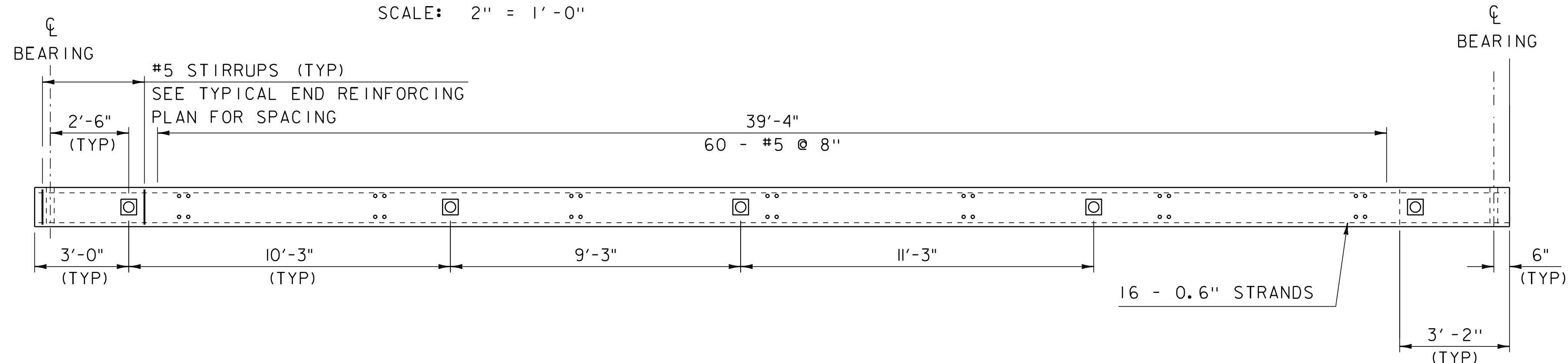
**TYPICAL INTERIOR SECTION**

SCALE: 2" = 1'-0"



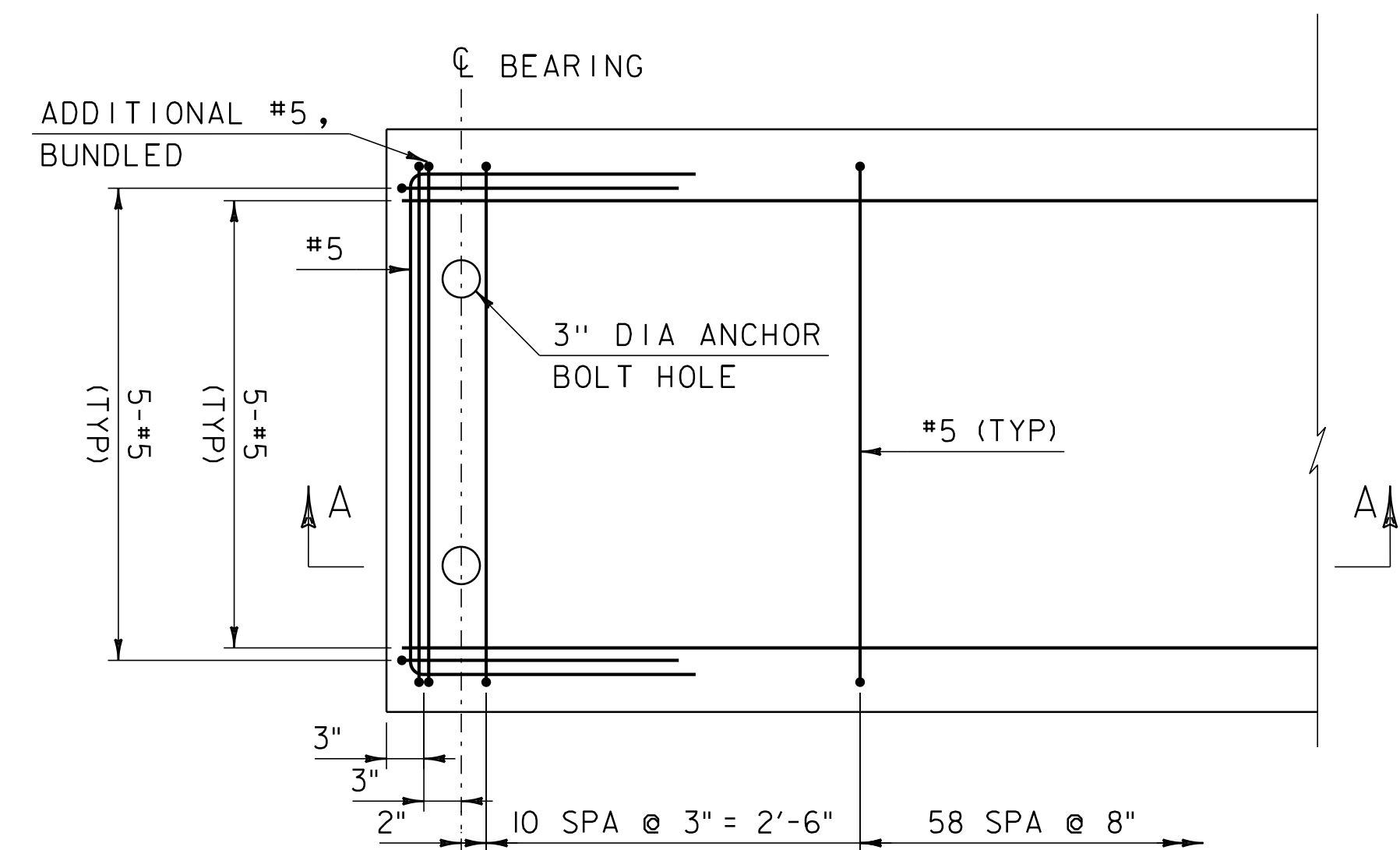
**END ELEVATION INTERIOR BEAM**

SCALE: 2" = 1'-0"  
(PRESTRESSING STRAND NOT SHOWN FOR CLARITY)



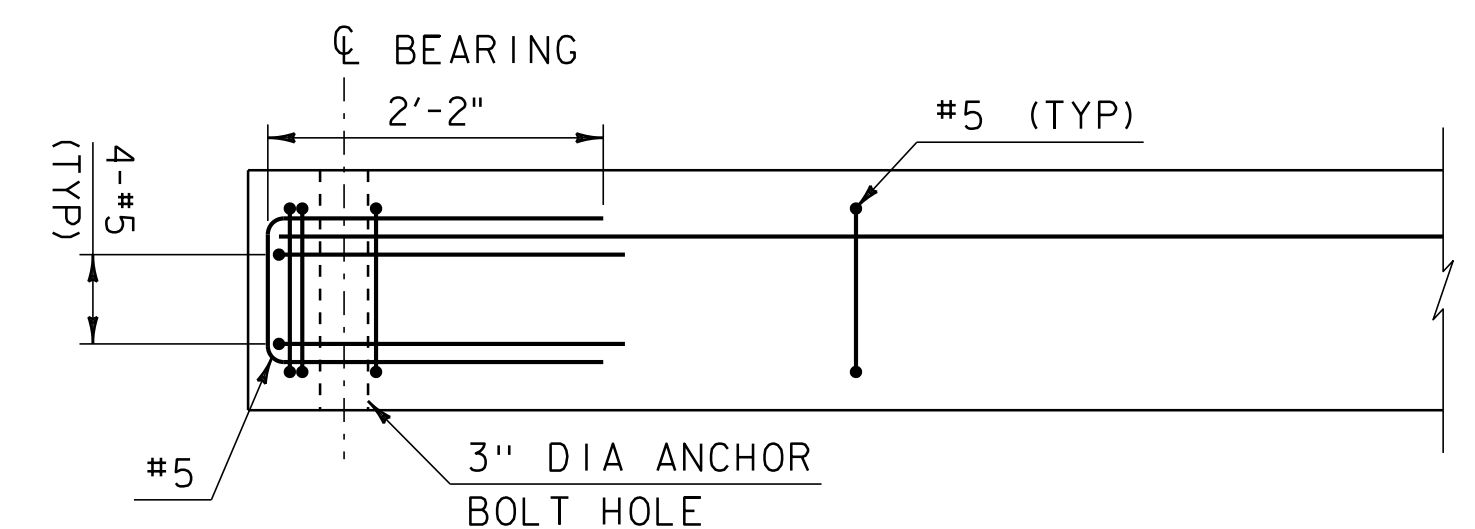
**PRESTRESS SOLID SLAB ELEVATION**

SCALE: 3/16" = 1'-0"



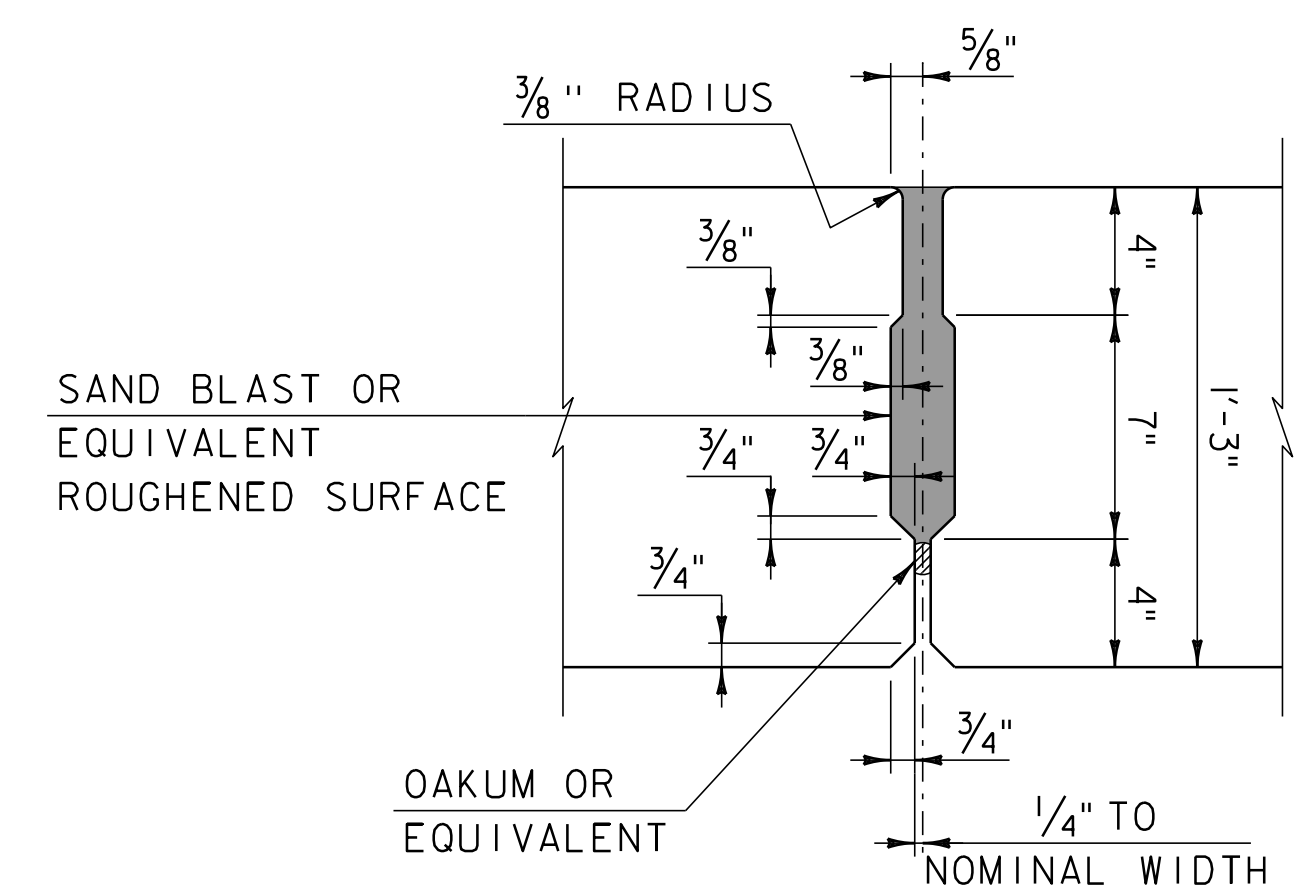
**TYPICAL END REINFORCEMENT PLAN**

SCALE: 1" = 1'-0"  
(PRESTRESSING STRAND NOT SHOWN FOR CLARITY)



**SECTION A-A**

SCALE: 1" = 1'-0"  
(PRESTRESSING STRAND NOT SHOWN FOR CLARITY)



**SHEAR KEY DETAIL**

SCALE: 2" = 1'-0"

**LEGEND**

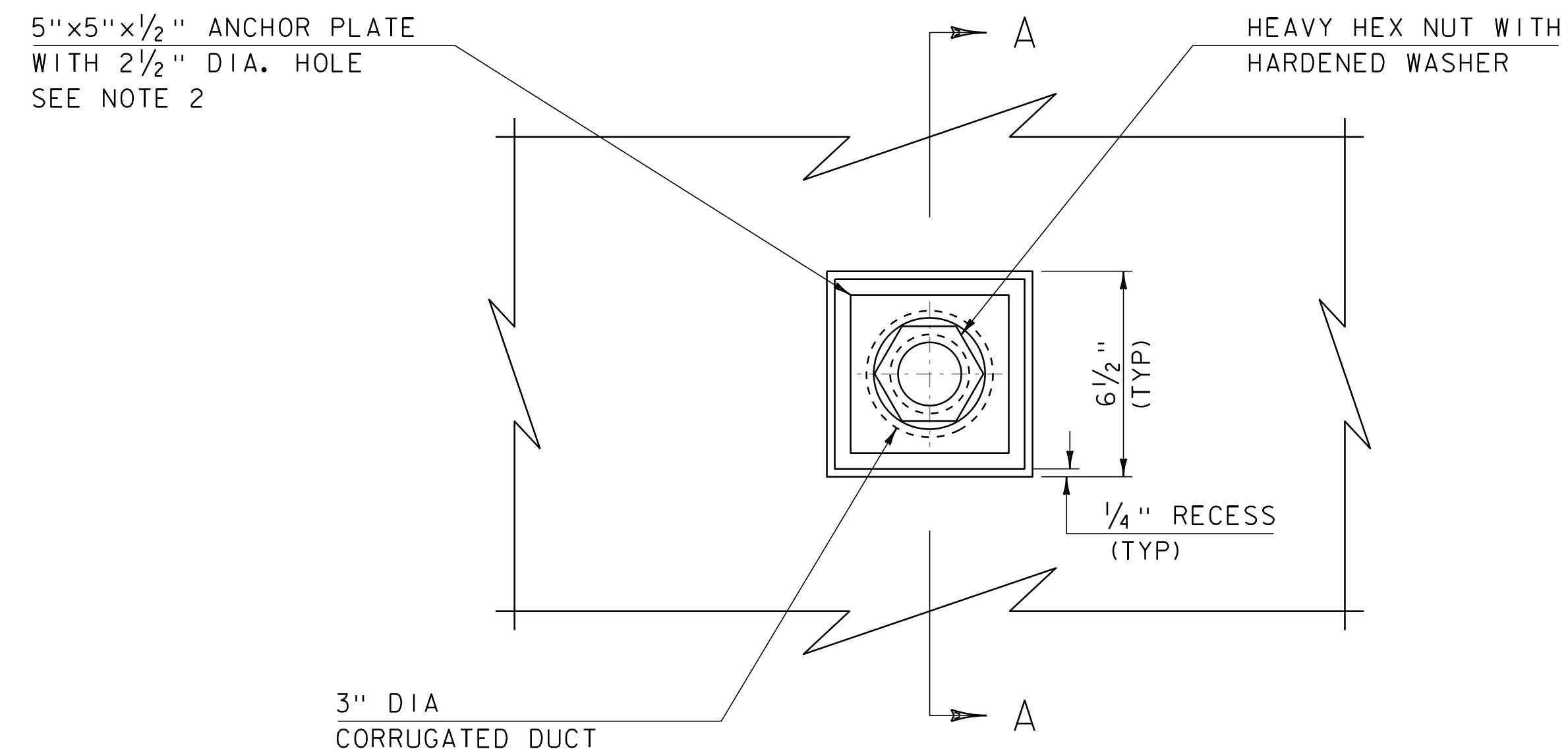
- △ DEBONDED 8'-0" EACH END
- DEBONDED 12'-0" EACH END
- 0.6" PRESTRESSING STRAND
- REINFORCING STEEL (TYP)

ITEM 510.24,  
"GROUTING SHEAR KEYS"

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

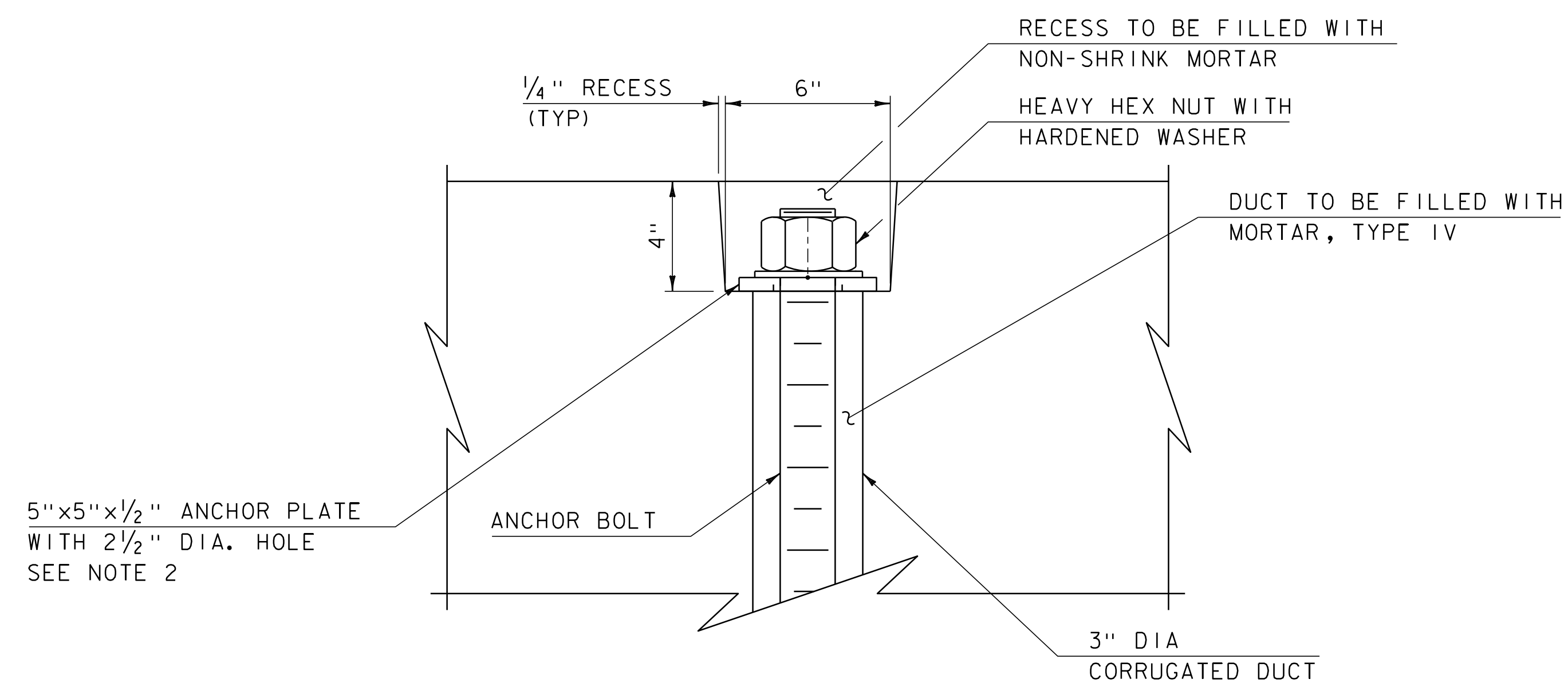
FILE NAME: sl2j610super.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
SUPERSTRUCTURE DETAILS I

PLOT DATE: 12-OCT-2020  
DRAWN BY: D.KARABEGOVIC  
CHECKED BY: D. PETERSON  
SHEET 24 OF 39



ANCHOR BOLT DETAIL  
PLAN

SCALE 3" = 1'-0"

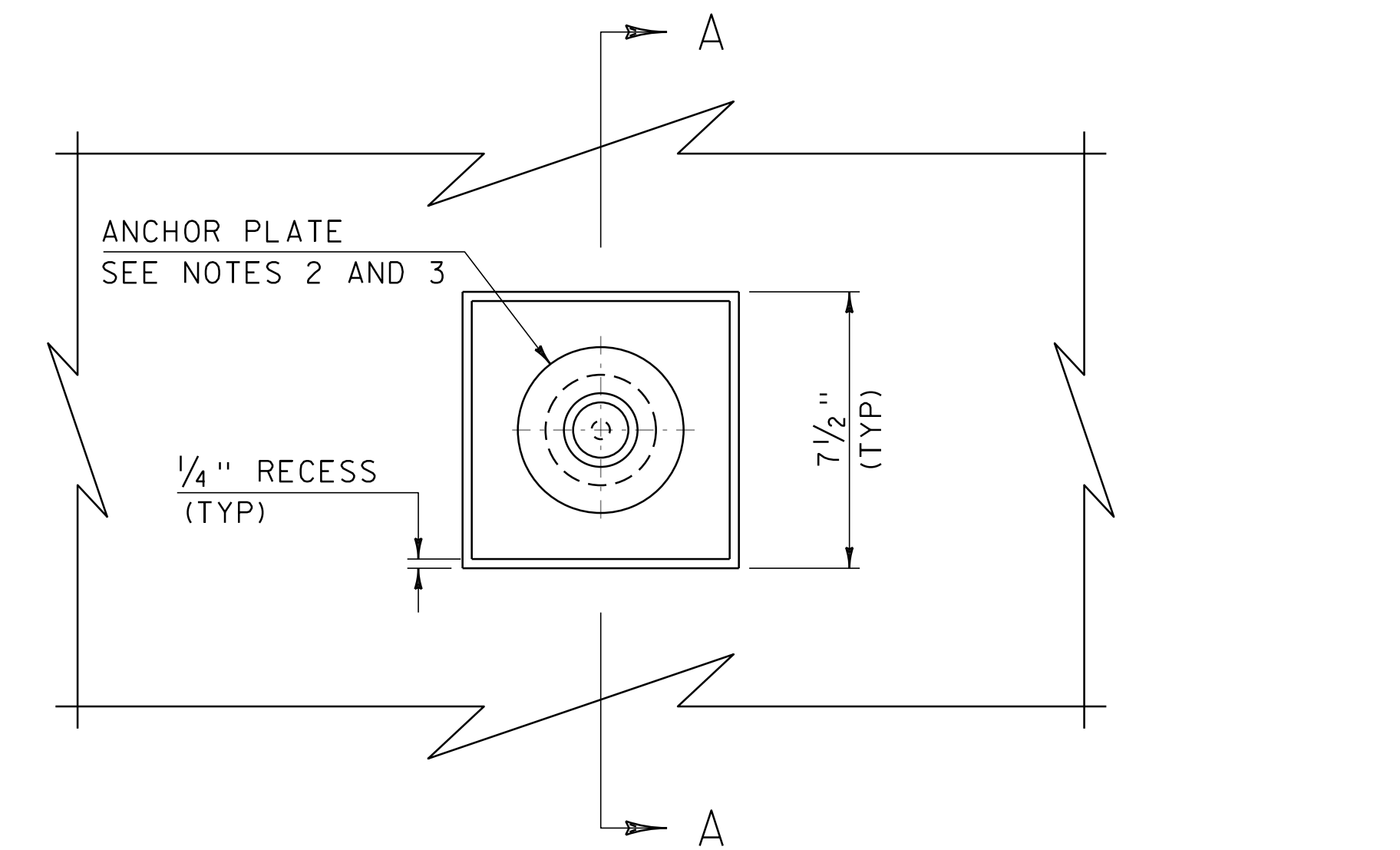


ANCHOR BOLT DETAIL  
SECTION A-A

SCALE 3" = 1'-0"

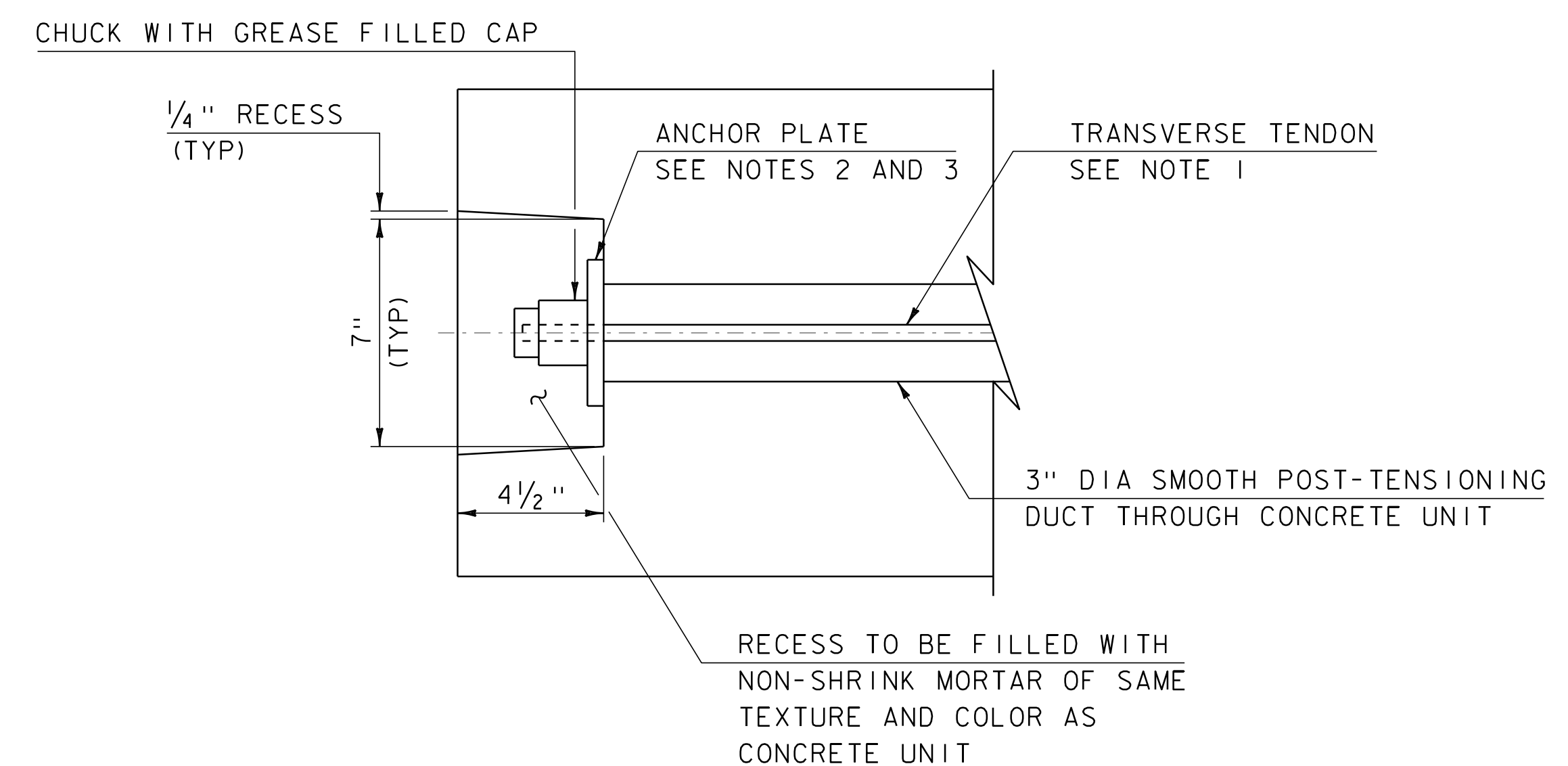
NOTES:

1. TRANSVERSE TENDONS SHALL BE COVERED BY SEAMLESS POLYPROPYLENE SHEATH (WITH CORROSION INHIBITOR GREASE BETWEEN SHEATH AND STRAND) FOR THE LENGTH OF STRAND, EXCEPT AT ANCHORAGE LOCATIONS. EACH STRAND SHALL BE TENSIONED TO 47 KIPS.
2. ANCHOR PLATES SHALL CONFORM TO AASHTO M 270M/M 270, GRADE 345 (GRADE 50) AND BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111M/M 111.
3. ANCHOR PLATES FOR TRANSVERSE POST-TENSIONING ARE TO BE DESIGNED BY THE FABRICATOR FOR THE SPECIFIC POST-TENSIONING SYSTEM USED. DETAILS FOR THE ANCHOR PLATE SHALL BE PROVIDED ON THE FABRICATION DRAWINGS.



TRANSVERSE POST-TENSIONING DETAIL  
ELEVATION

SCALE 3" = 1'-0"



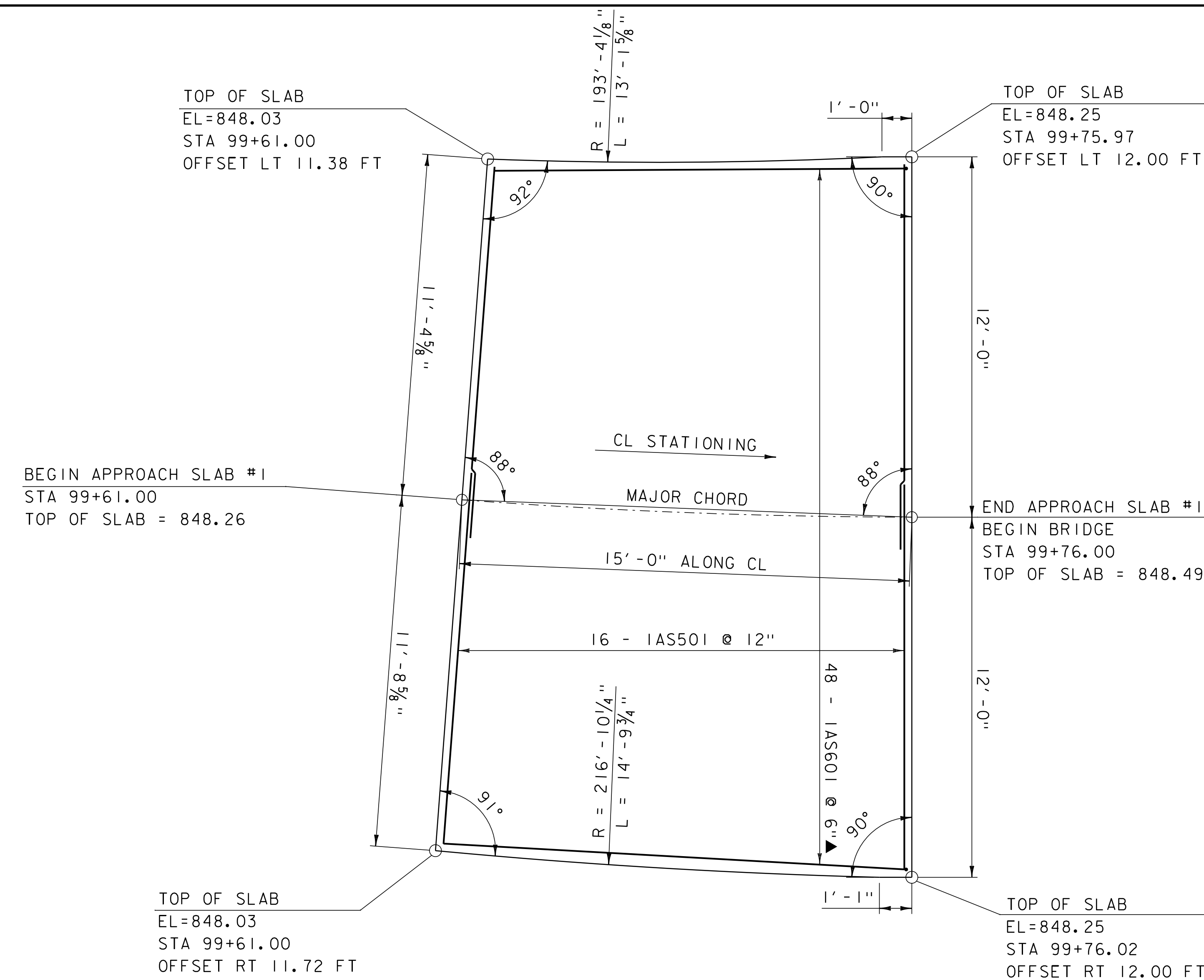
TRANSVERSE POST-TENSIONING DETAIL  
SECTION A-A

SCALE 3" = 1'-0"

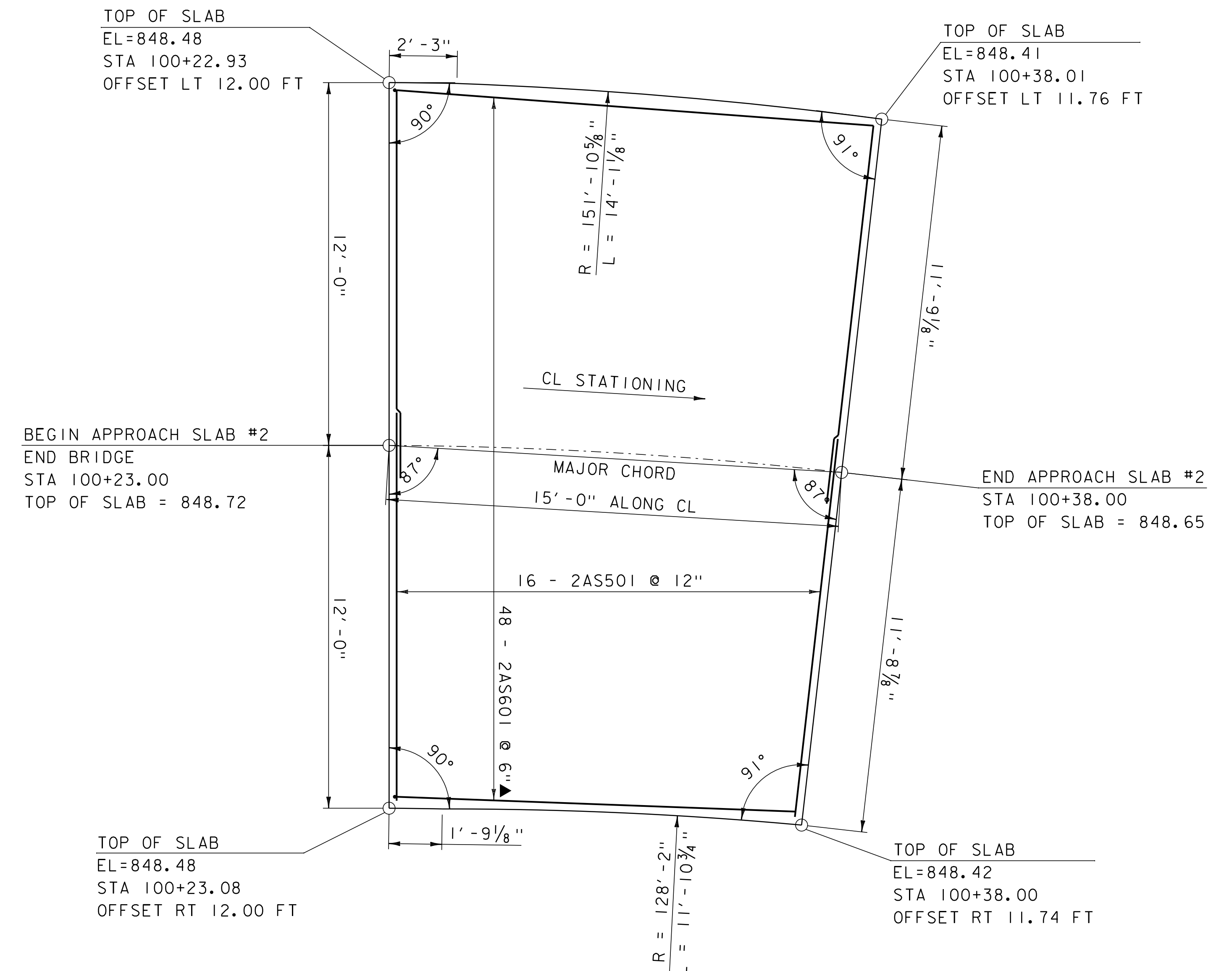
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610super.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
SUPERSTRUCTURE DETAILS 2

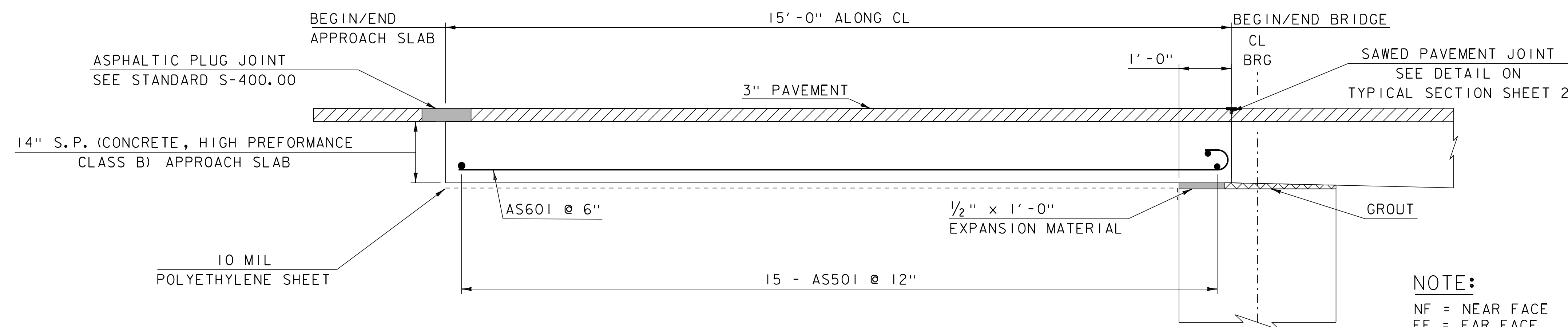
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 25 OF 39



APPROACH SLAB #1 PLAN  
SCALE = 3/8" = 1'-0"



APPROACH SLAB #2 PLAN  
SCALE = 3/8" = 1'-0"



APPROACH SLAB 1 TYPICAL SECTION  
(APPROACH SLAB 2 SIMILAR)  
SCALE = 3/4" = 1'-0"

### NOTES:

1. COMPACT THE SUBBASE IN THE AREA UNDER THE APPROACH SLAB TO A SMOOTH SURFACE.
2. MATERIAL FOR POLYETHYLENE SHEETING SHALL MEET THE REQUIREMENTS OF SUBSECTION 725.01 (c) OF THE STANDARD SPECIFICATIONS. PLACE THE SHEETING ON TOP OF THE FINISHED SUBBASE FOR THE FULL LENGTH OF THE APPROACH SLAB. LAP SHEETING AT LEAST 24 INCHES. PAYMENT INCIDENTAL TO ITEM 900.608 SPECIAL PROVISION (CONCRETE, HIGH PERFORMANCE CLASS B)
3. PAYMENT FOR BOND BREAKER SHALL BE INCIDENTAL TO ITEM 501.38 HIGH PERFORMANCE CONCRETE, CLASS PCS.

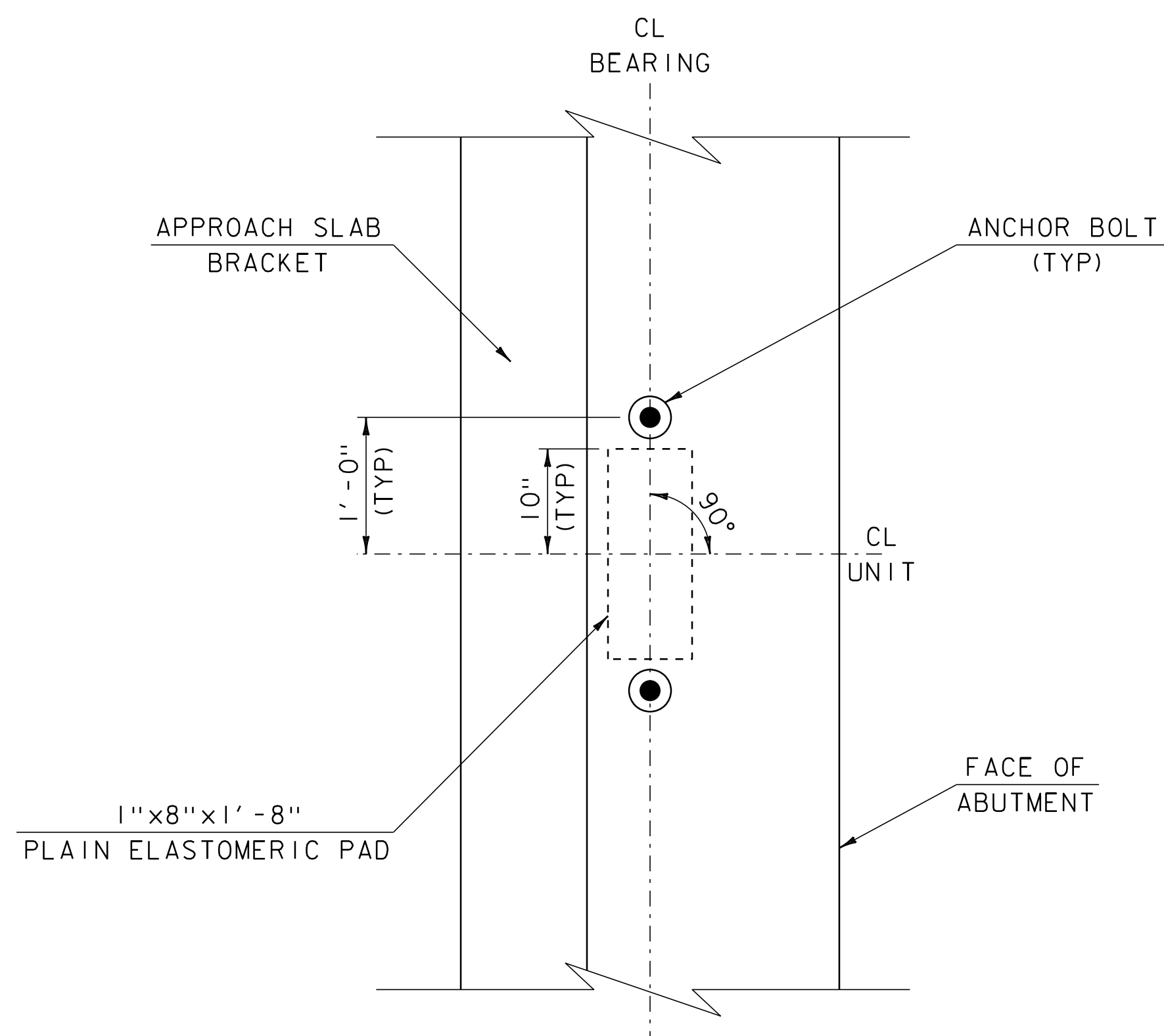
### NOTE:

NF = NEAR FACE  
FF = FAR FACE  
EF = EACH FACE  
▲ = CUT TO FIT IN FIELD  
3" CLEAR, UNLESS OTHERWISE SPECIFIED ON THE PLANS.  
2'-2" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS.

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610super.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
APPROACH SLAB DETAILS

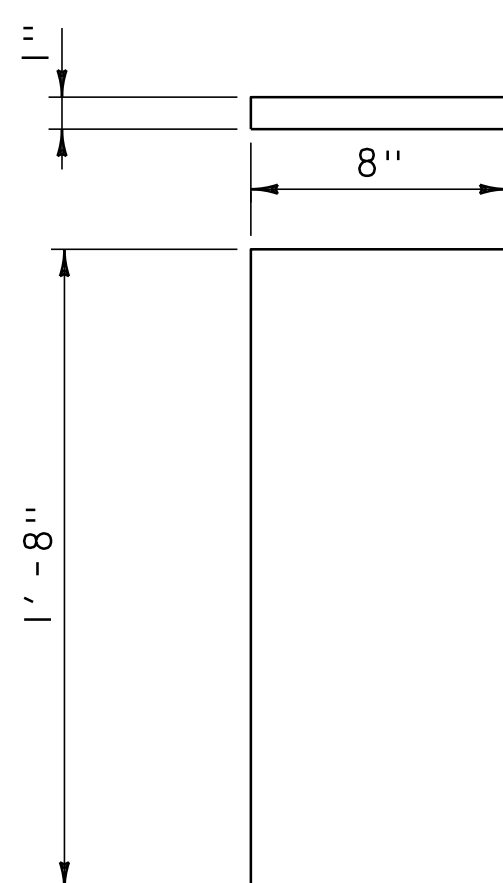
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 26 OF 39



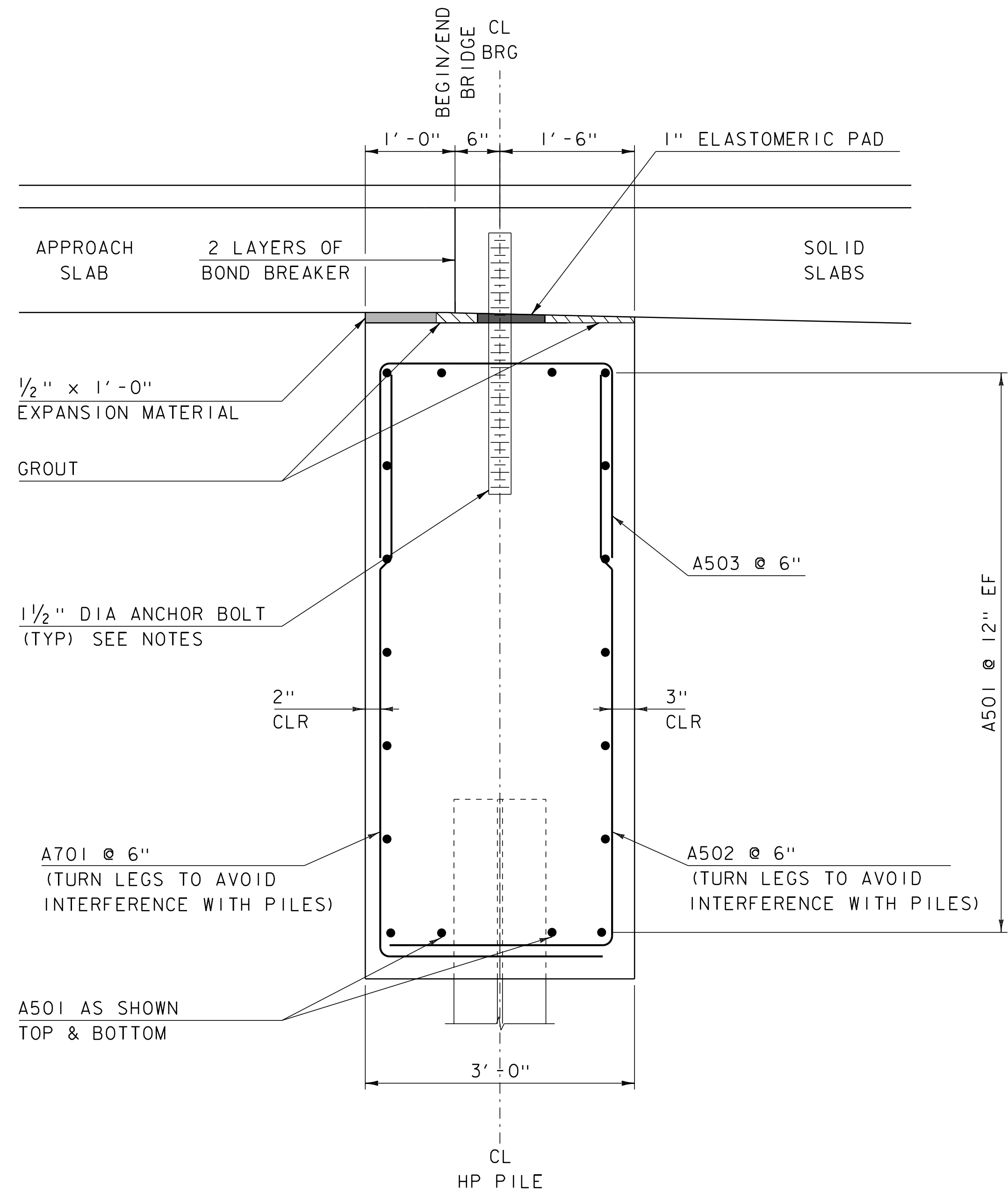
**BEARING LAYOUT**  
SCALE 1"=1'-0"

**BEARING NOTES:**

1. BEARINGS SHALL CONFORM TO THE APPLICABLE SUBSECTIONS OF SECTIONS 531 AND 731.
2. THE ELASTOMER WAS DESIGNED WITH A SHEAR MODULUS OF 110 PSI +/- 15%.
3. THE CONTRACTOR IS ADVISED TO HAVE A MINIMUM OF 12 - 1/4"x8"x1'-8" GALVANIZED STEEL SHIMS AVAILABLE FOR USE FOR ELEVATION ADJUSTMENTS UPON THE SETTING OF THE SUPERSTRUCTURE UNITS. THE SHIMS SHALL BE FABRICATED ACCORDING TO SECTION 531 AND SHALL BE INCLUDED UNDER ITEM 531.16, "BEARING DEVICE ASSEMBLY, PLAIN ELASTOMERIC PAD".



**BEARING DETAIL**  
SCALE 2"=1'-0"



**ABUTMENT TYPICAL REINFORCING**  
SCALE 1"=1'-0"

**NOTES:**

1. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 105, GALVANIZED, AND SHALL MEET THE REQUIREMENTS OF SUBSECTION 714.08.
2. ANCHOR BOLTS SHALL BE INCIDENTAL TO ITEM 900.640, "SPECIAL PROVISION (PRESTRESSED CONCRETE SOLID SLABS) (18" X 48")".
3. APPROACH SLABS SHALL BE INSTALLED FLUSH WITH END OF SOLIDS SLABS.

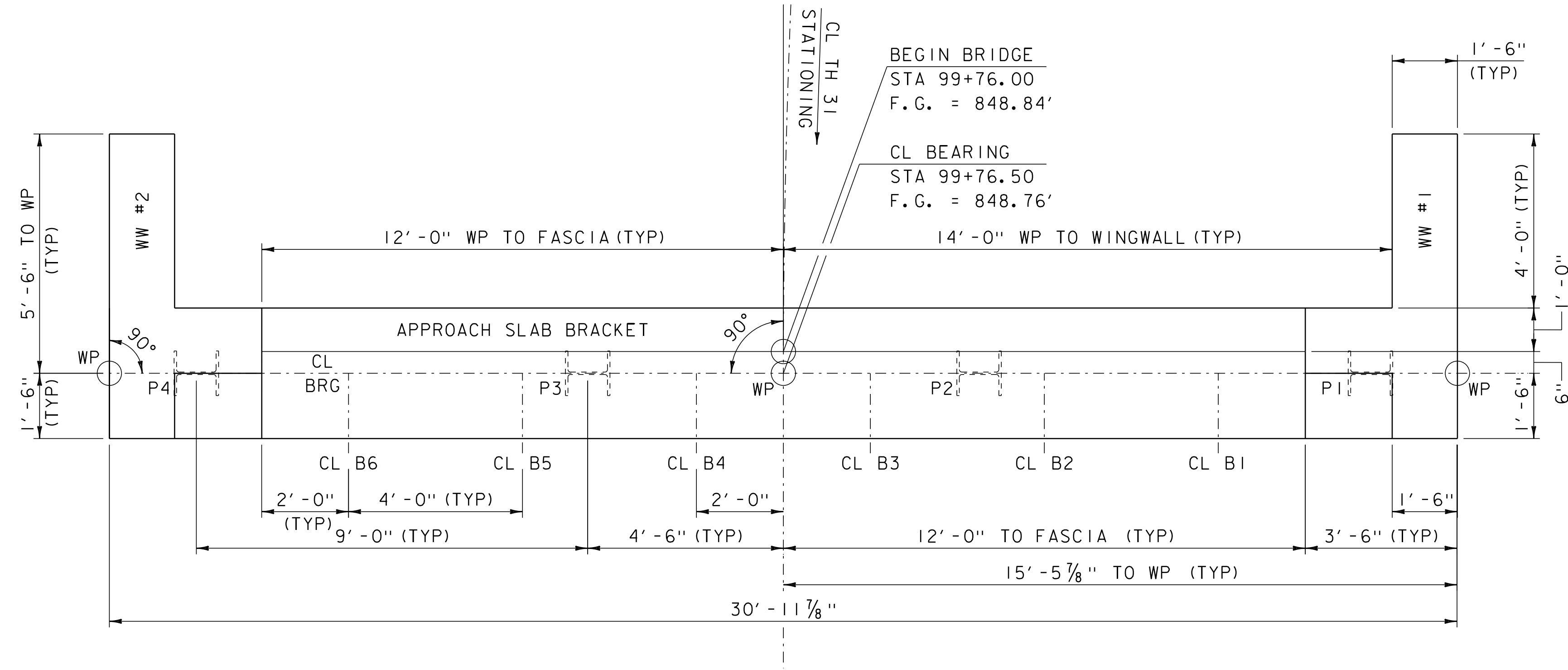
**NOTE:**

NF = NEAR FACE  
FF = FAR FACE  
EF = EACH FACE  
▲ = CUT TO FIT IN FIELD  
3" CLEAR, UNLESS OTHERWISE SPECIFIED ON THE PLANS.  
2'-2" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS.

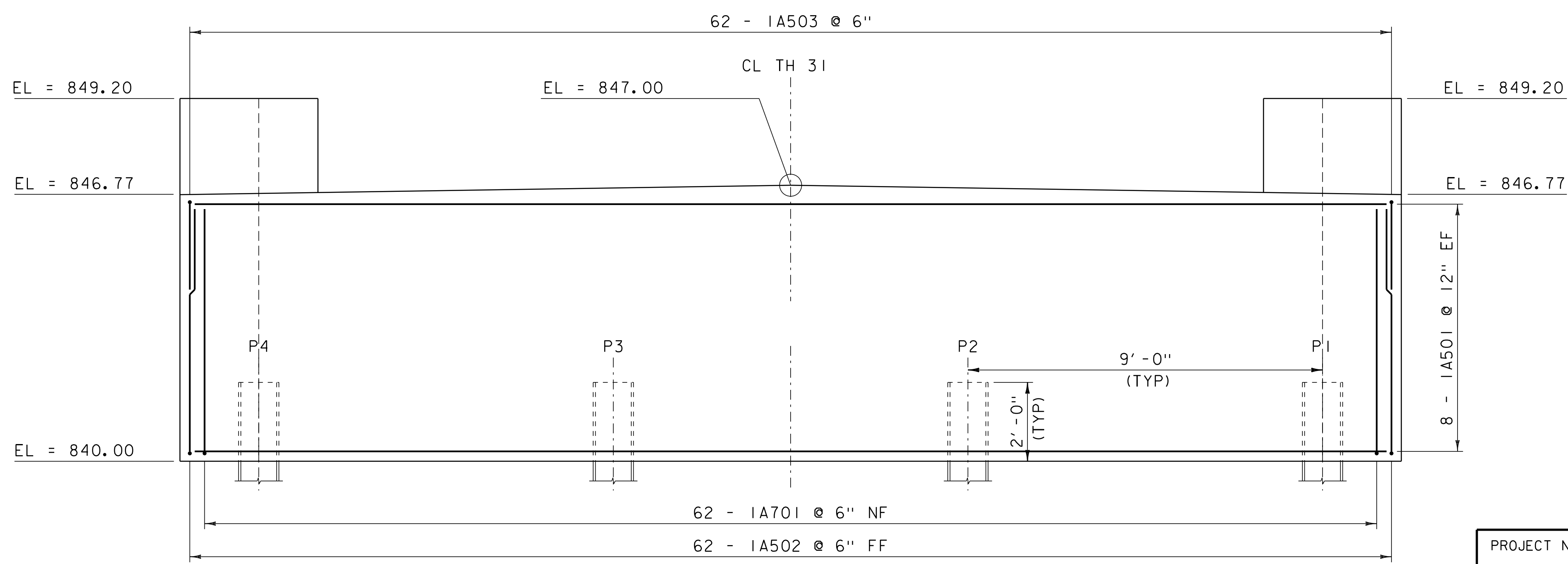
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610subst.dgn  
PROJECT LEADER: C.COTA  
DESIGNED BY: D.PETERSON  
ABUTMENT TYPICAL

PLOT DATE: 12-OCT-2020  
DRAWN BY: D.KARABEGOVIC  
CHECKED BY: D.PETERSON  
SHEET 27 OF 39



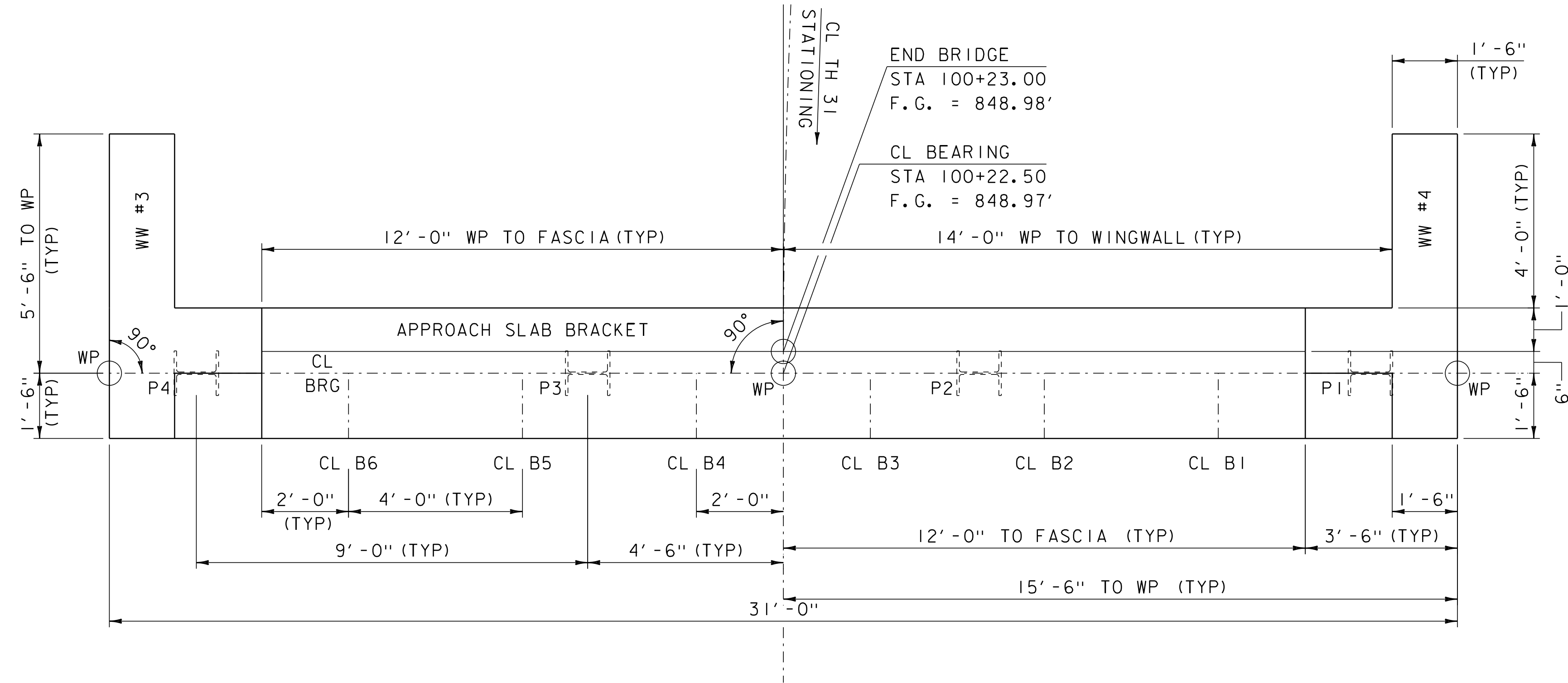
ABUTMENT #1 PLAN  
SCALE 1/2" = 1'-0"



ABUTMENT #1 ELEVATION  
SCALE 1/2" = 1'-0"

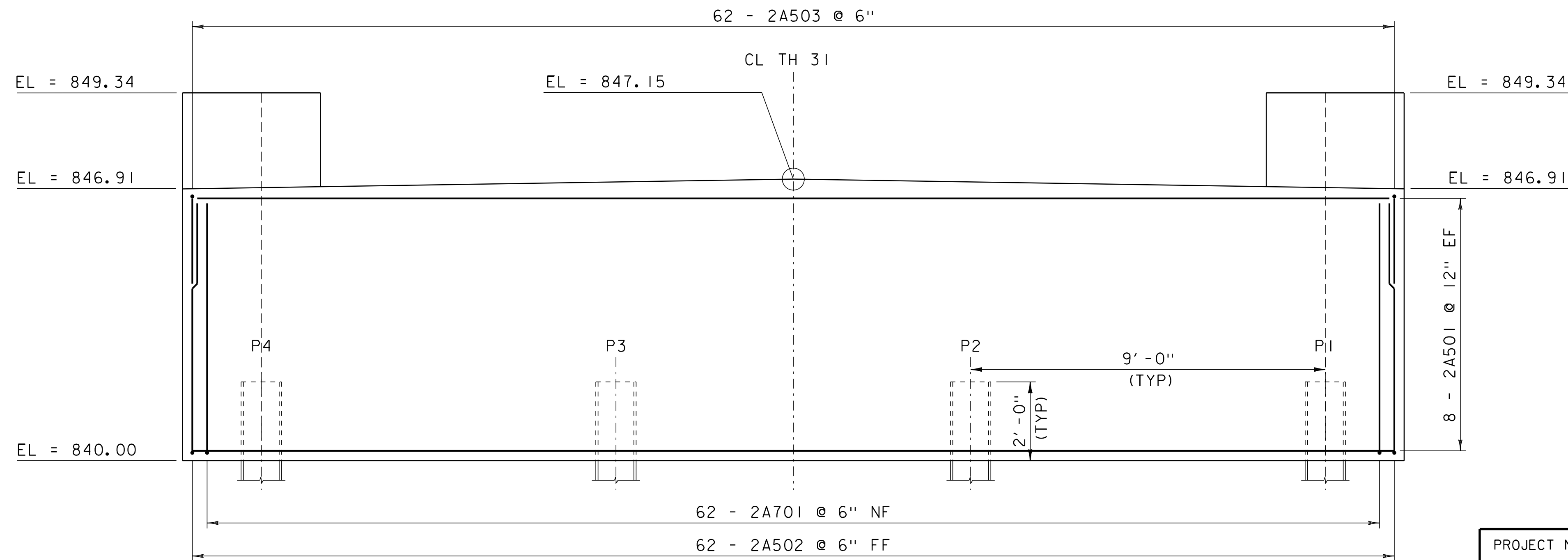
**NOTE:**  
NF = NEAR FACE  
FF = FAR FACE  
EF = EACH FACE  
▲ = CUT TO FIT IN FIELD  
3" CLEAR, UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.  
2'-2" BAR LAP UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.

PROJECT NAME: BURKE	
PROJECT NUMBER: BO 1447(31)	
FILE NAME: s12j610subst.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER: C.COTA	DRAWN BY: D.KARABEGOVIC
DESIGNED BY: D.PETERSON	CHECKED BY: D.PETERSON
ABUTMENT #1	SHEET 28 OF 39



ABUTMENT #2 PLAN

SCALE 1/2" = 1' - 0"



ABUTMENT #2 ELEVATION

SCALE 1/2" = 1' - 0"

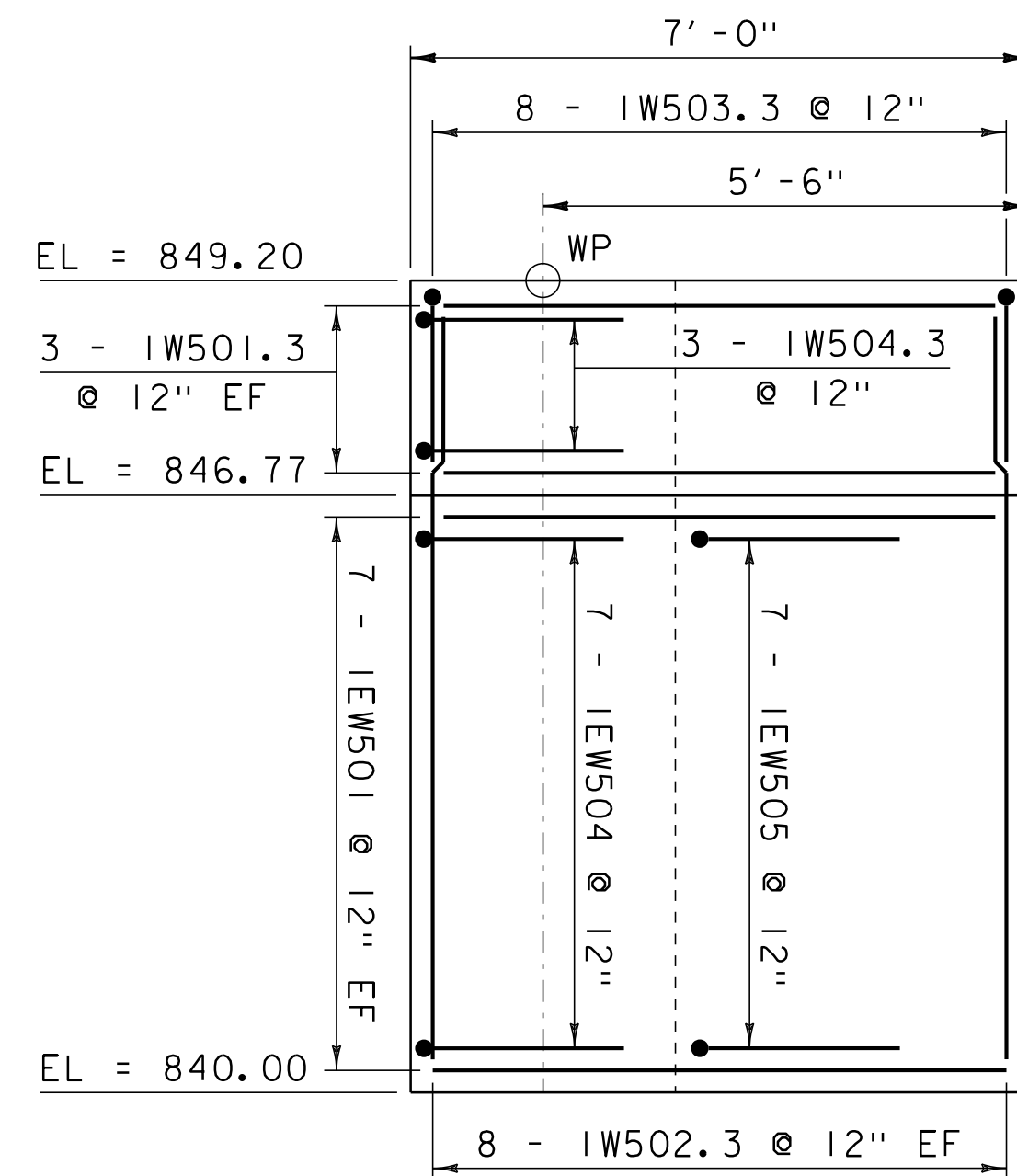
NOTE:

NF = NEAR FACE  
FF = FAR FACE  
EF = EACH FACE  
▲ = CUT TO FIT IN FIELD  
3" CLEAR, UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.  
2'-2" BAR LAP UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.

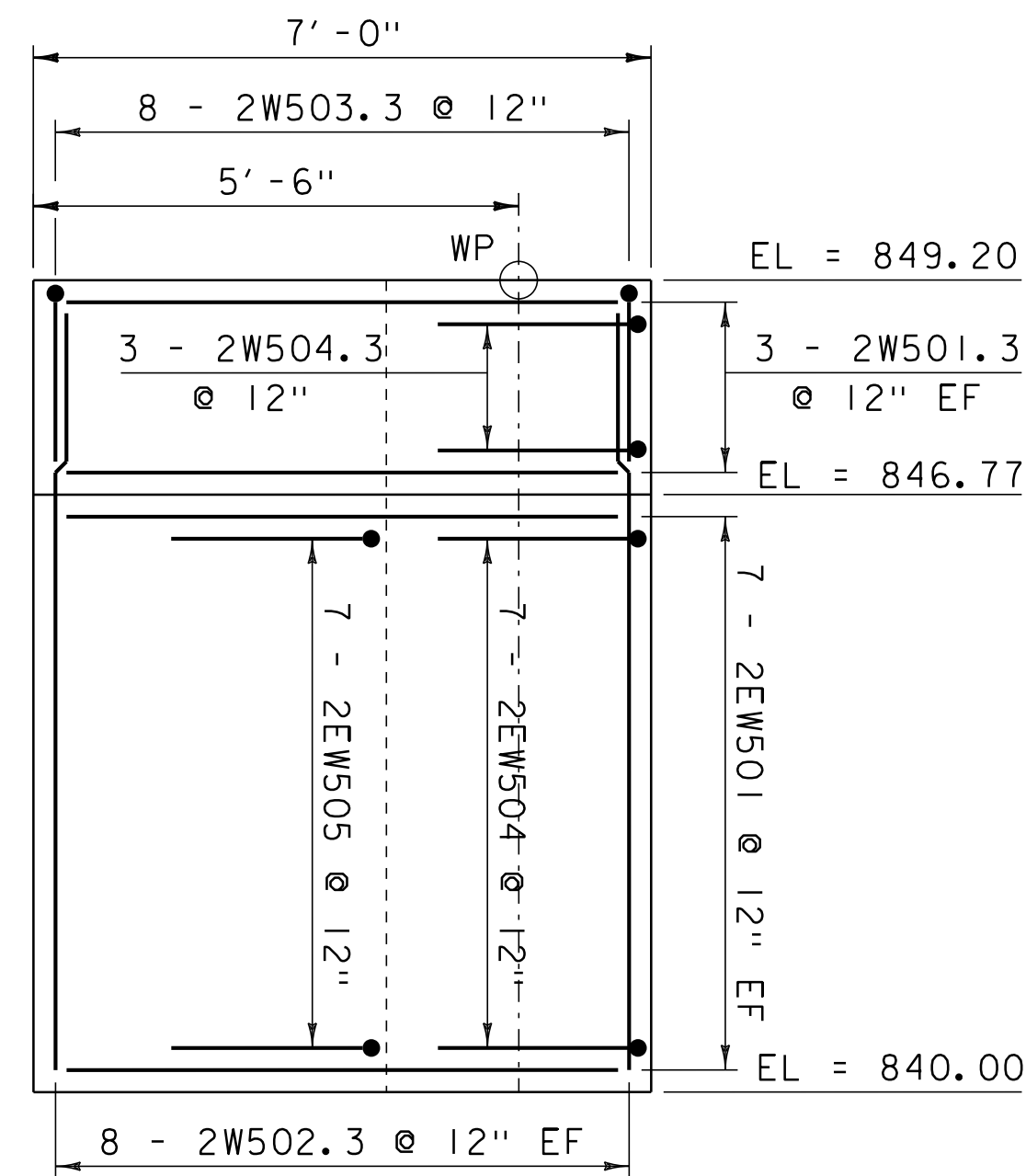
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610subst.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
ABUTMENT #2

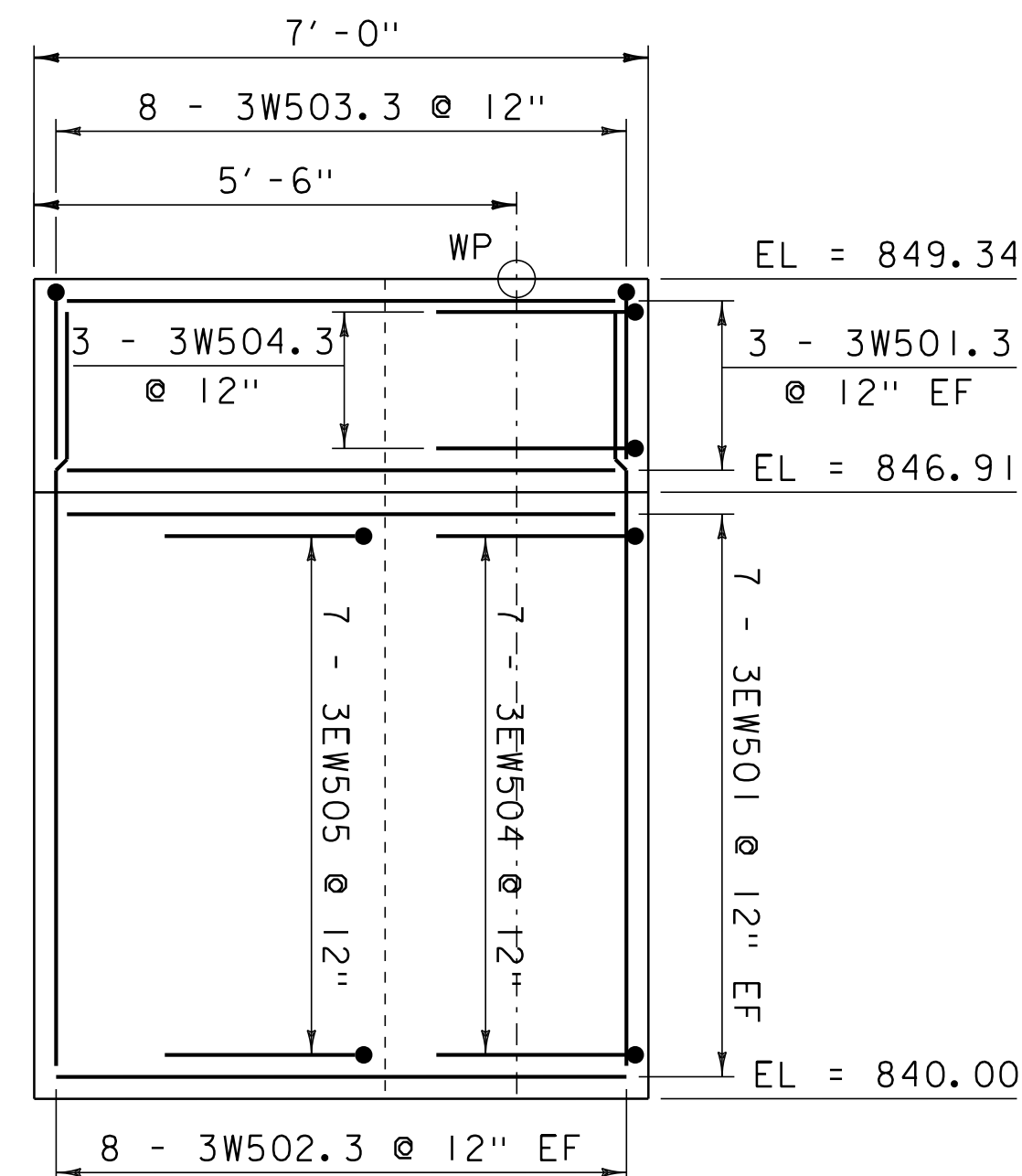
PLOT DATE: 12-OCT-2020  
DRAWN BY: D. KARABEGOVIC  
CHECKED BY: D. PETERSON  
SHEET 29 OF 39



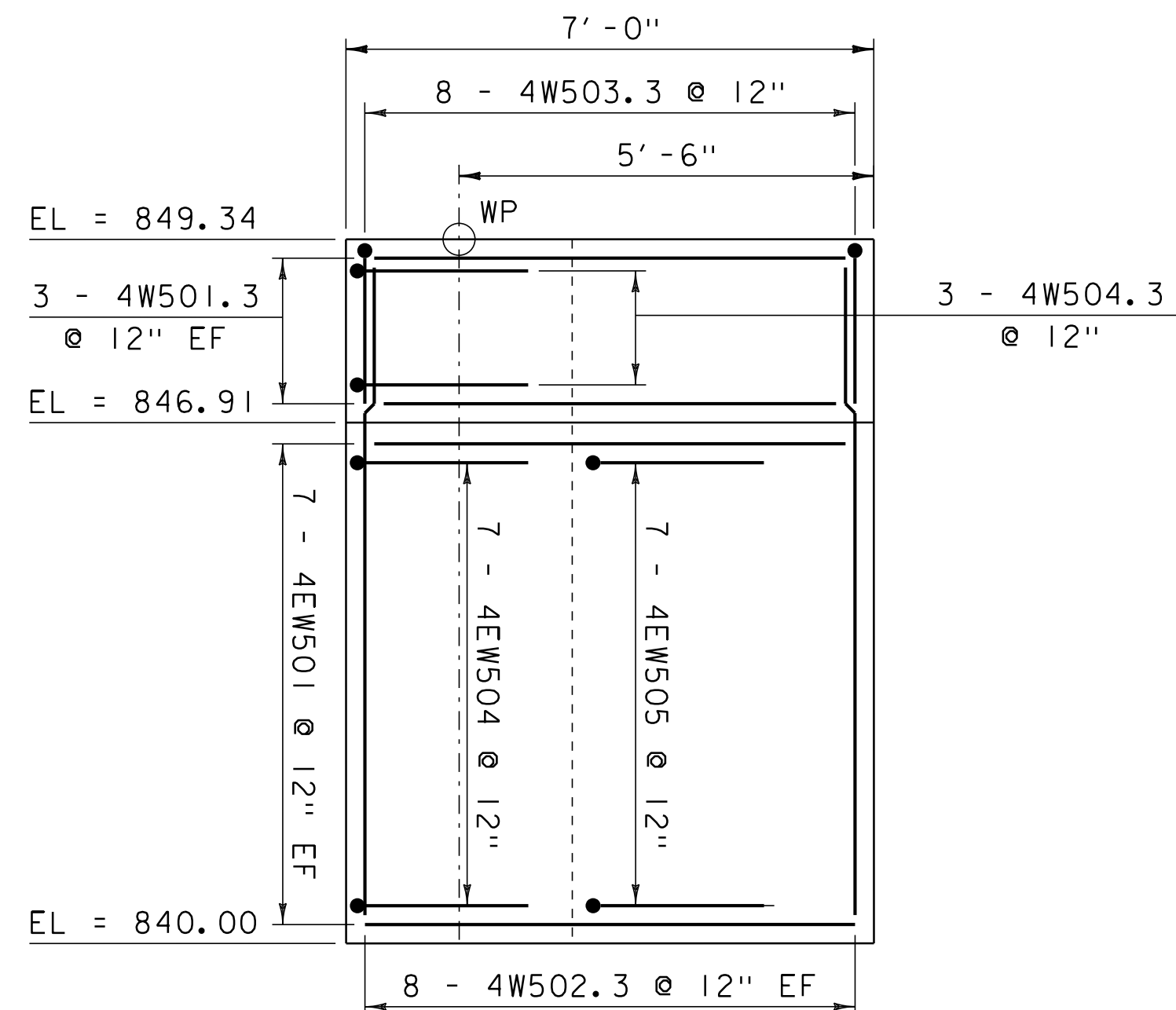
**WINGWALL #1**  
SCALE 1/2" = 1'-0"



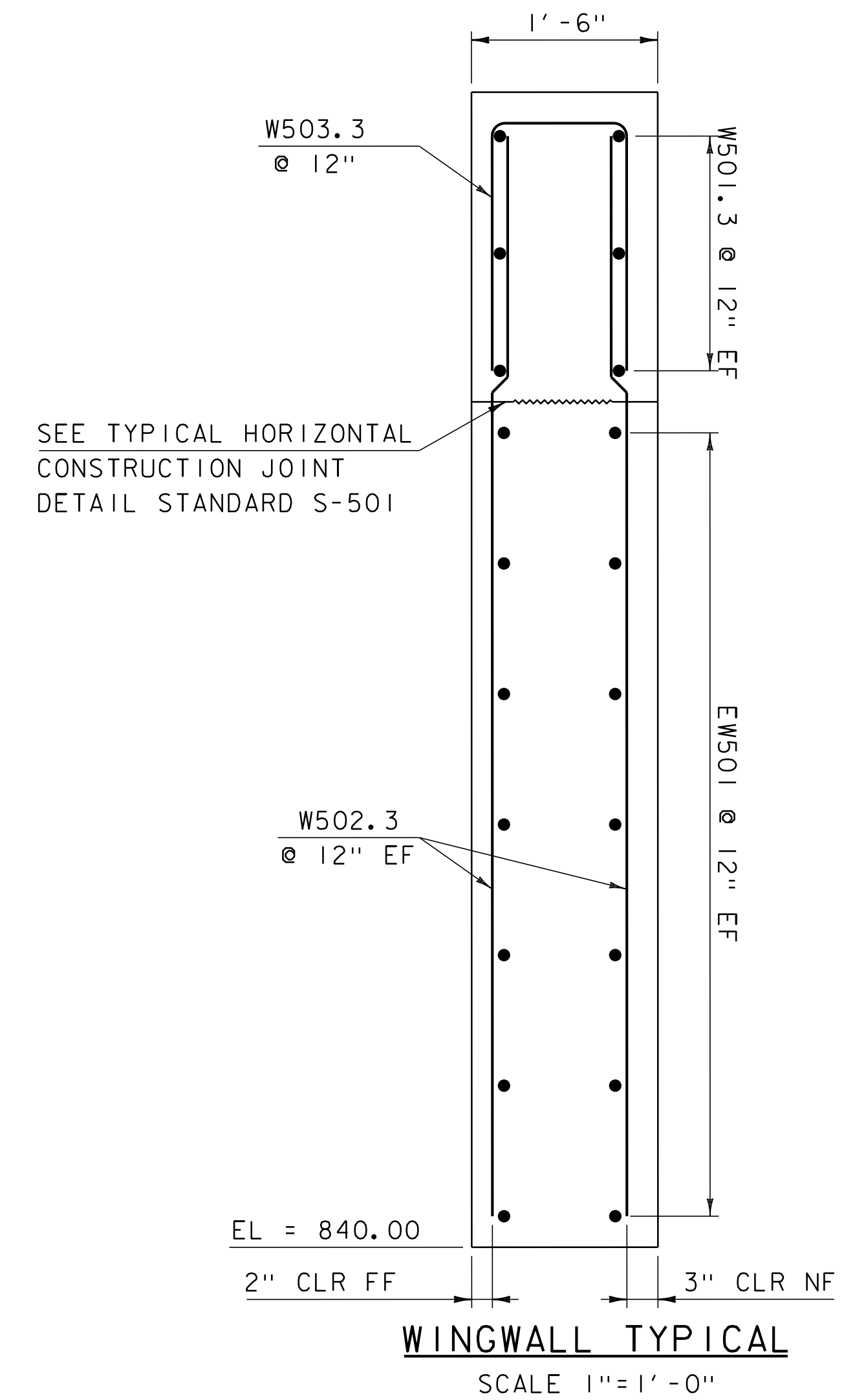
**WINGWALL #2**  
SCALE 1/2" = 1'-0"



**WINGWALL #3**  
SCALE 1/2" = 1'-0"



**WINGWALL #4**  
SCALE 1/2" = 1'-0"



**WINGWALL TYPICAL**  
SCALE 1" = 1'-0"

**NOTE:**

NF = NEAR FACE  
FF = FAR FACE  
EF = EACH FACE  
▲ = CUT TO FIT IN FIELD  
3" CLEAR, UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.  
2'-2" BAR LAP UNLESS OTHERWISE  
SPECIFIED ON THE PLANS.

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610subst.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
WINGWALLS

PLOT DATE: 12-OCT-2020  
DRAWN BY: D.KARABEGOVIC  
CHECKED BY: D. PETERSON  
SHEET 30 OF 39

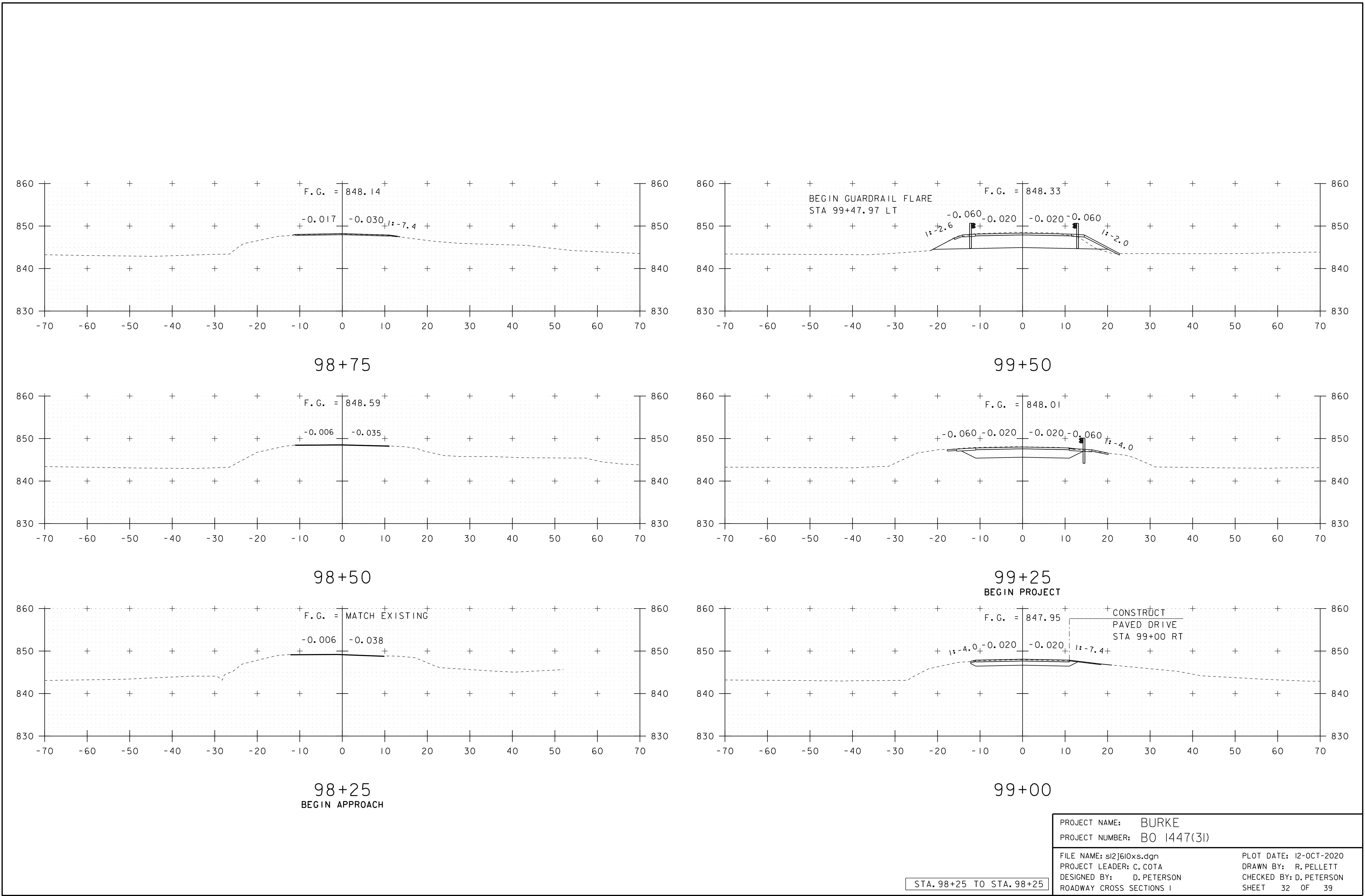
~ NOTES ~

- |    |  |    |  |    |  |    |  |
|----|--|----|--|----|--|----|--|
| 1  |  | 17 |  | 33 |  | 49 |  |
| 2  |  | 18 |  | 34 |  | 50 |  |
| 3  |  | 19 |  | 35 |  | 51 |  |
| 4  |  | 20 |  | 36 |  | 52 |  |
| 5  |  | 21 |  | 37 |  | 53 |  |
| 6  |  | 22 |  | 38 |  | 54 |  |
| 7  |  | 23 |  | 39 |  | 55 |  |
| 8  |  | 24 |  | 40 |  | 56 |  |
| 9  |  | 25 |  | 41 |  | 57 |  |
| 10 |  | 26 |  | 42 |  | 58 |  |
| 11 |  | 27 |  | 43 |  | 59 |  |
| 12 |  | 28 |  | 44 |  | 60 |  |
| 13 |  | 29 |  | 45 |  | 61 |  |
| 14 |  | 30 |  | 46 |  | 62 |  |
| 15 |  | 31 |  | 47 |  | 63 |  |
| 16 |  | 32 |  | 48 |  | 64 |  |

**~ REINFORCING STEEL CORROSION RESISTANCE LEVEL ~**

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES ²	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

PROJECT NAME:	BURKE	
PROJECT NUMBER:	BO 1447(31)	
FILE NAME:	sl2j6i0frm.dgn	PLOT DATE: 12-OCT-2020
PROJECT LEADER:	C. COTA	DRAWN BY: R. PELLETT
DESIGNED BY:	D. PETERSON	CHECKED BY: D. PETERSON
REINFORCING STEEL SCHEDULE		SHEET 31 OF 39

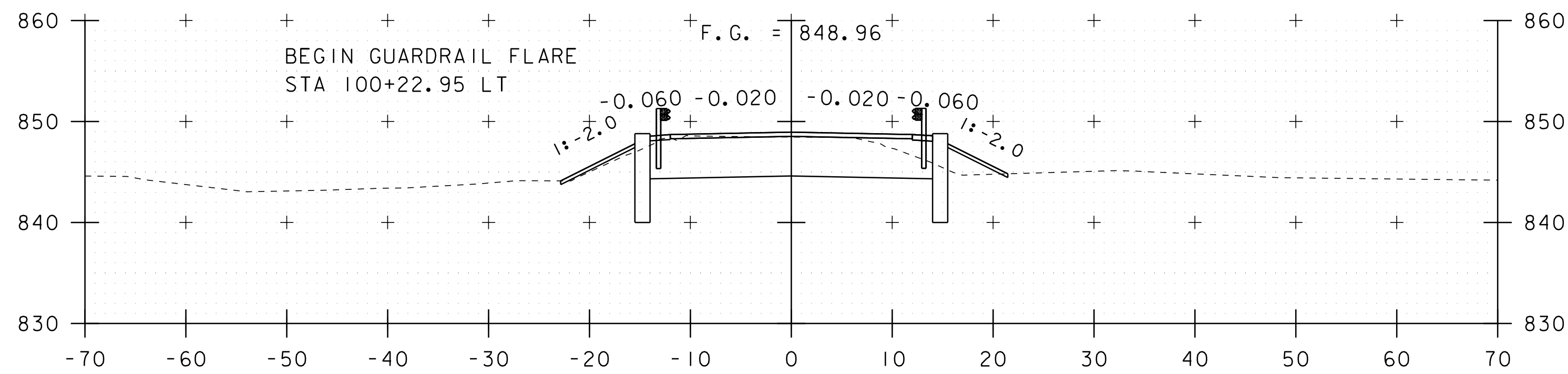


STA. 98+25 TO STA. 98+25

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

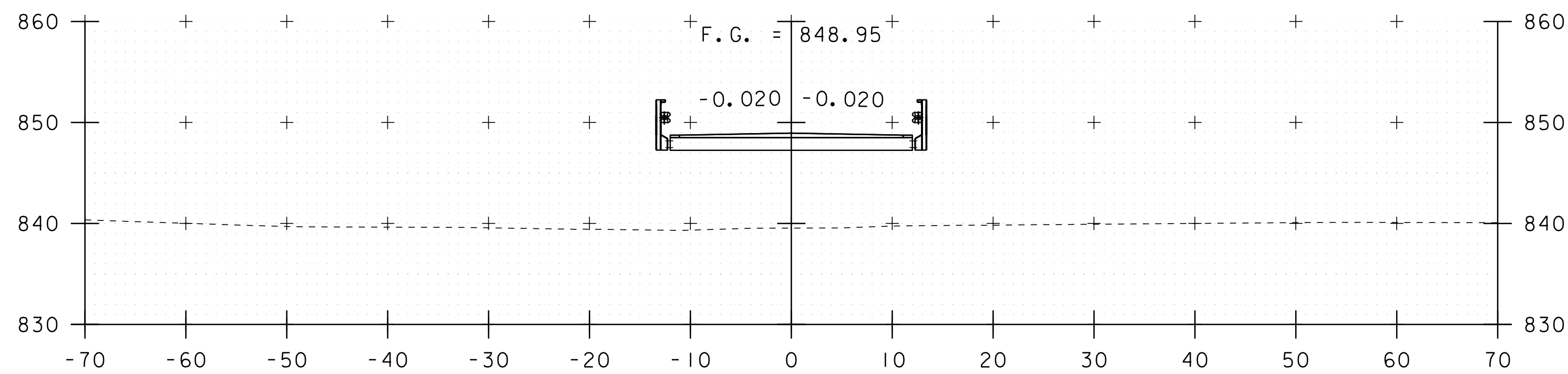
FILE NAME: sl2j610xs.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
ROADWAY CROSS SECTIONS I

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 32 OF 39

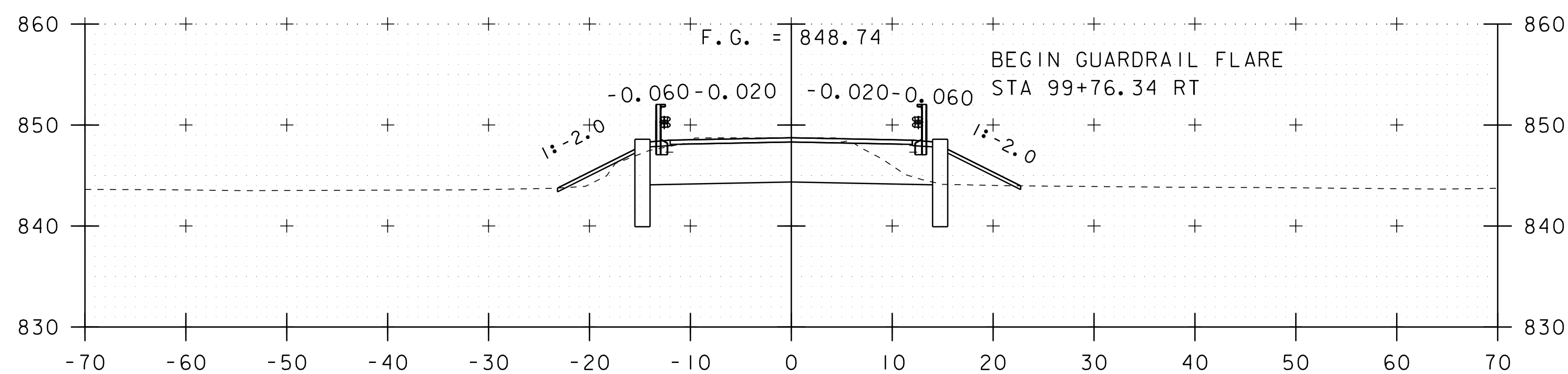


STA 100+23.00  
END BRIDGE

100+25

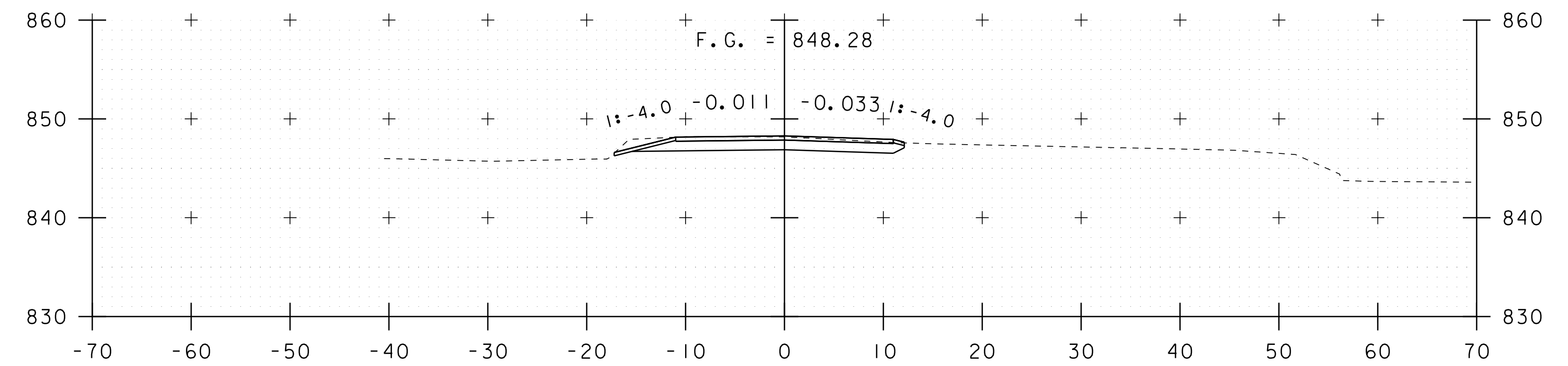


100+00

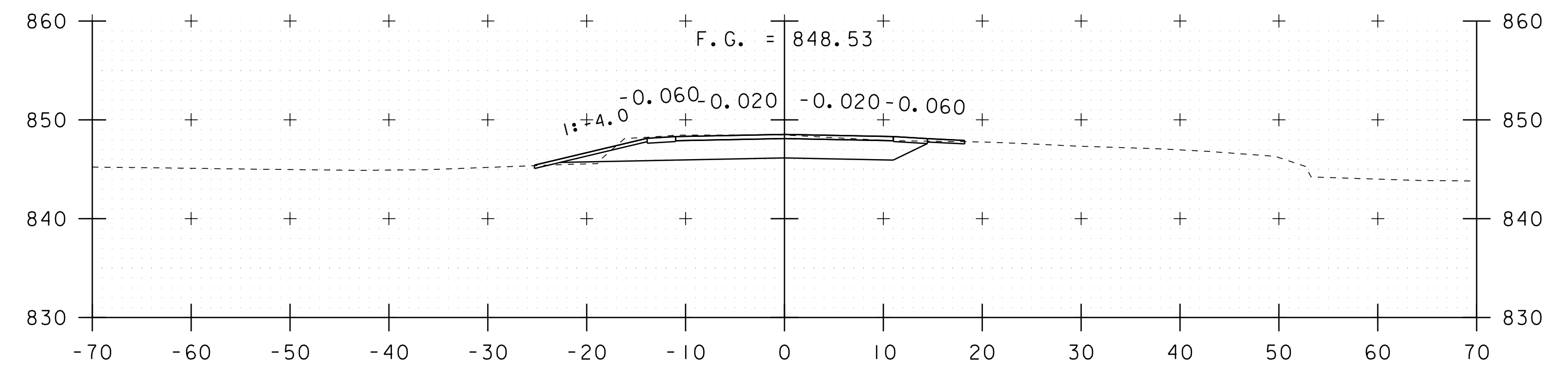


STA 99+76.00  
BEGIN BRIDGE

99+75

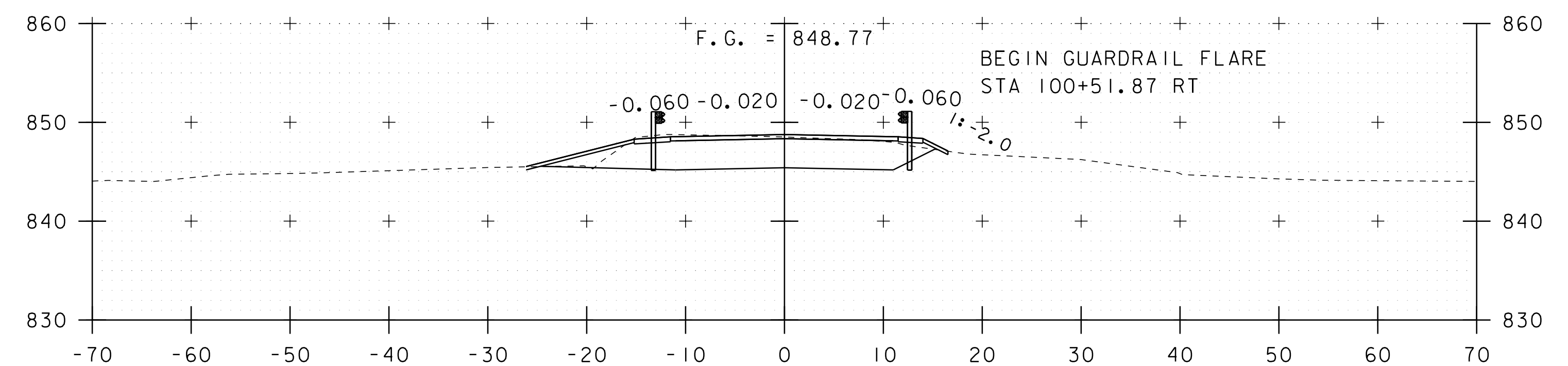


101+00



100+75

END PROJECT



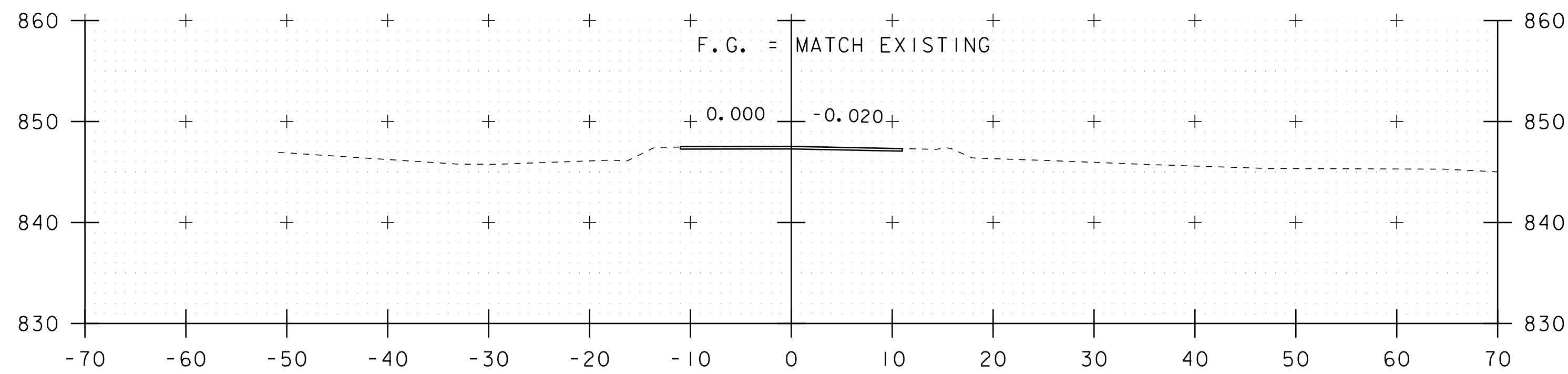
100+50

STA. 99+75 TO STA. 101+00

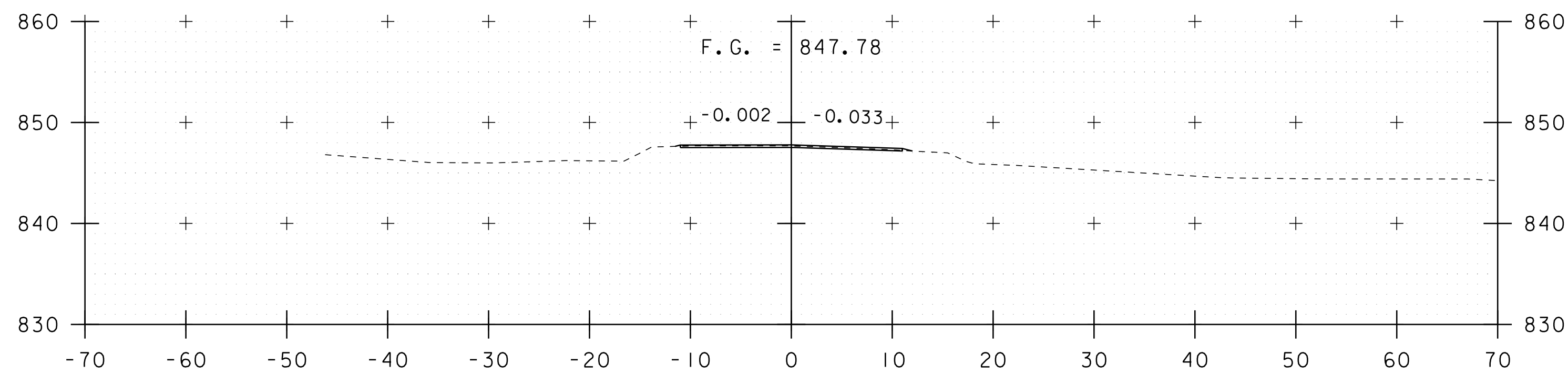
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610xs.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
ROADWAY CROSS SECTIONS 2

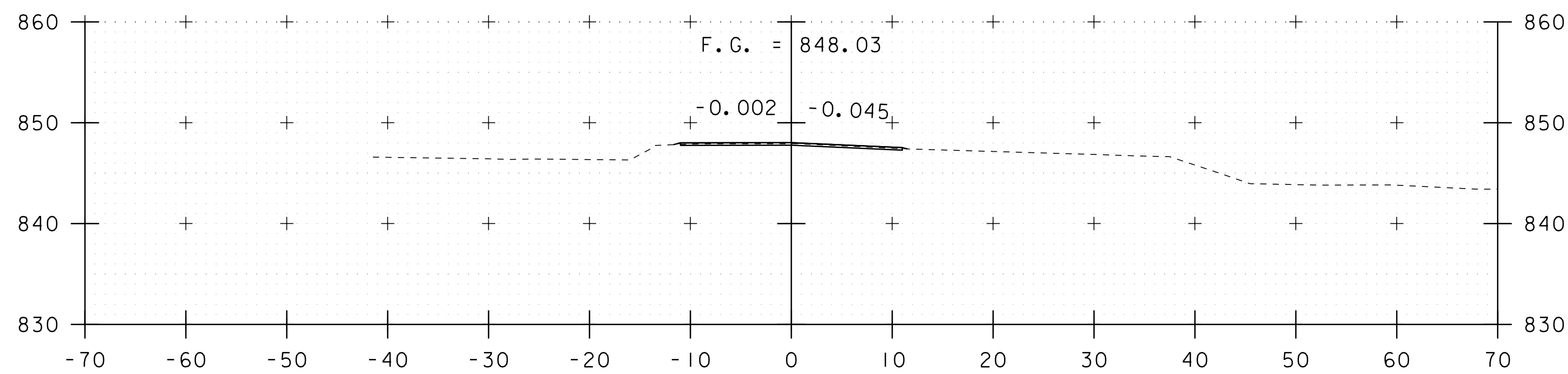
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 33 OF 39



101+75  
END APPROACH



101+50



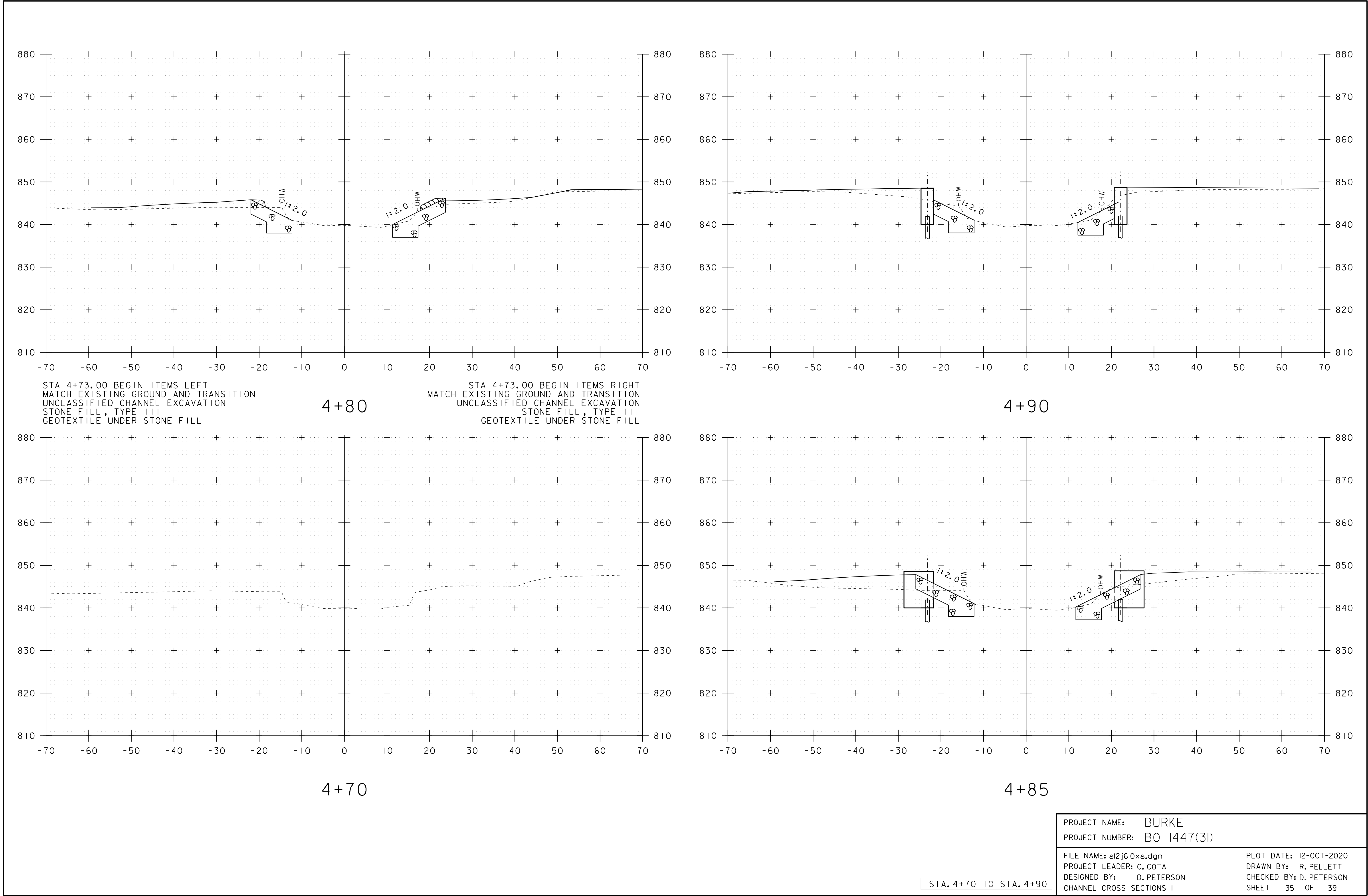
101+25

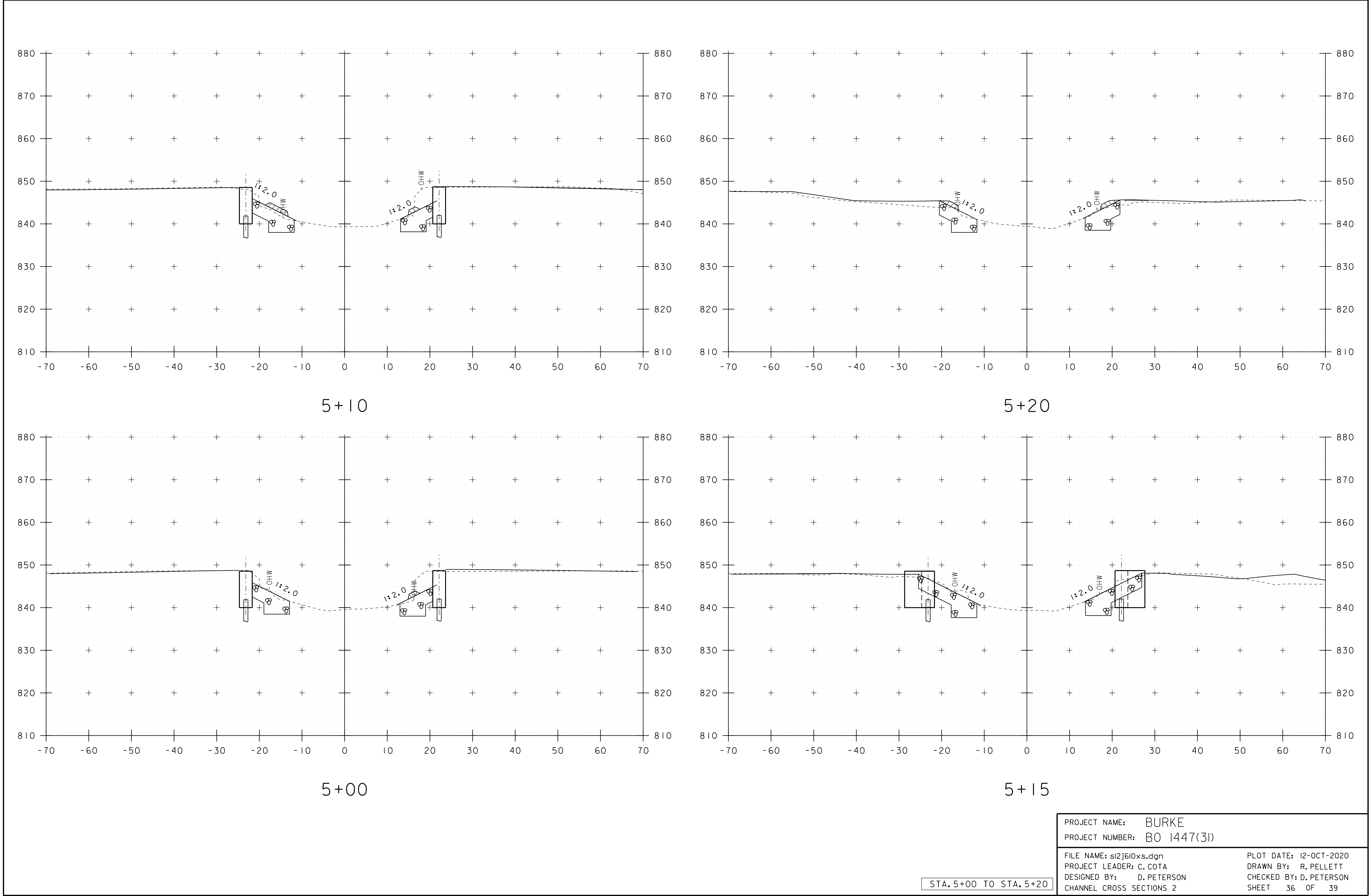
STA. 101+25 TO STA. 101+75

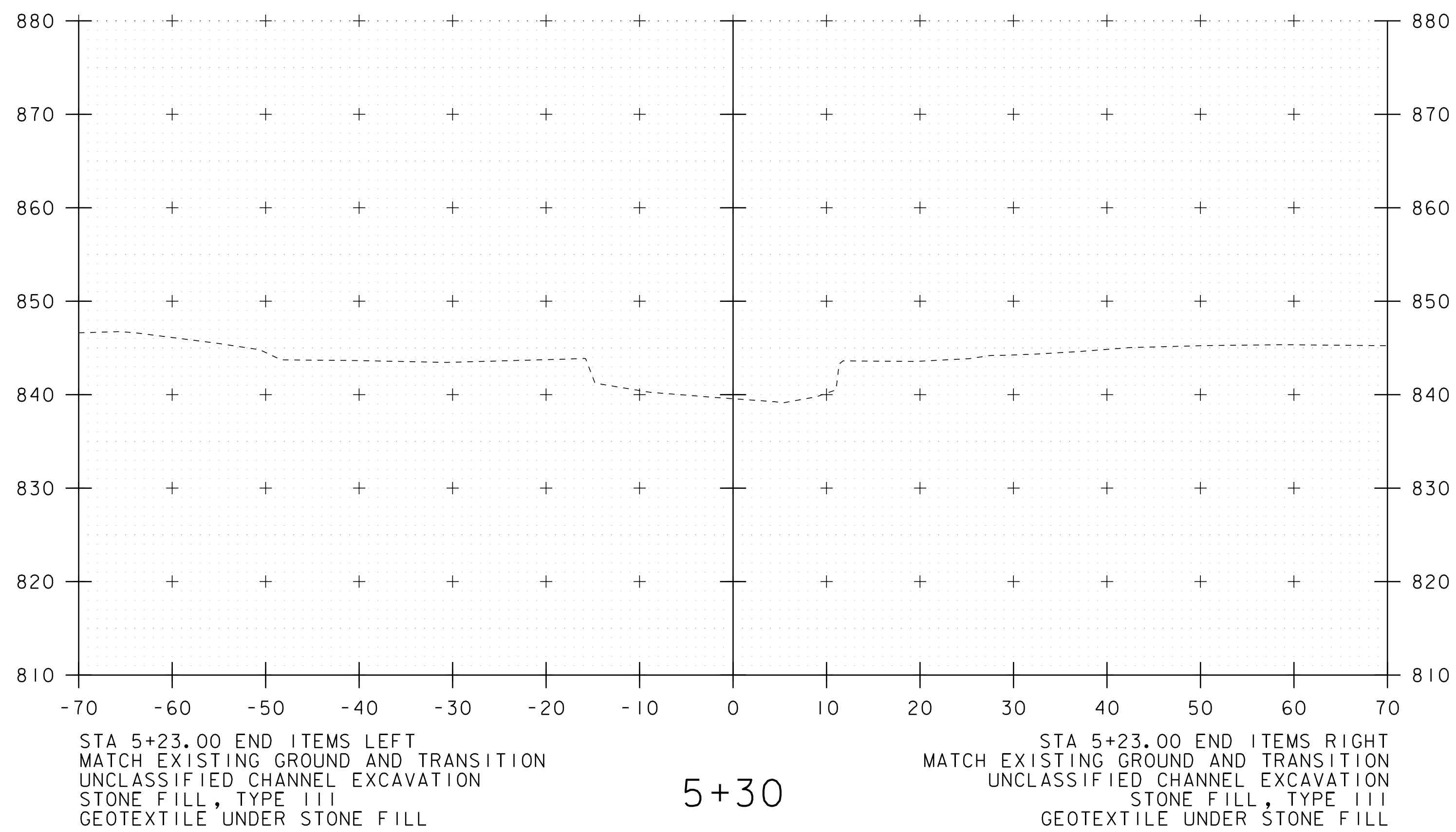
PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j610xs.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
ROADWAY CROSS SECTIONS 3

PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 34 OF 39







STA. 5+30 TO STA. 5+30

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: sl2j6l0xs.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
CHANNEL CROSS SECTIONS 3

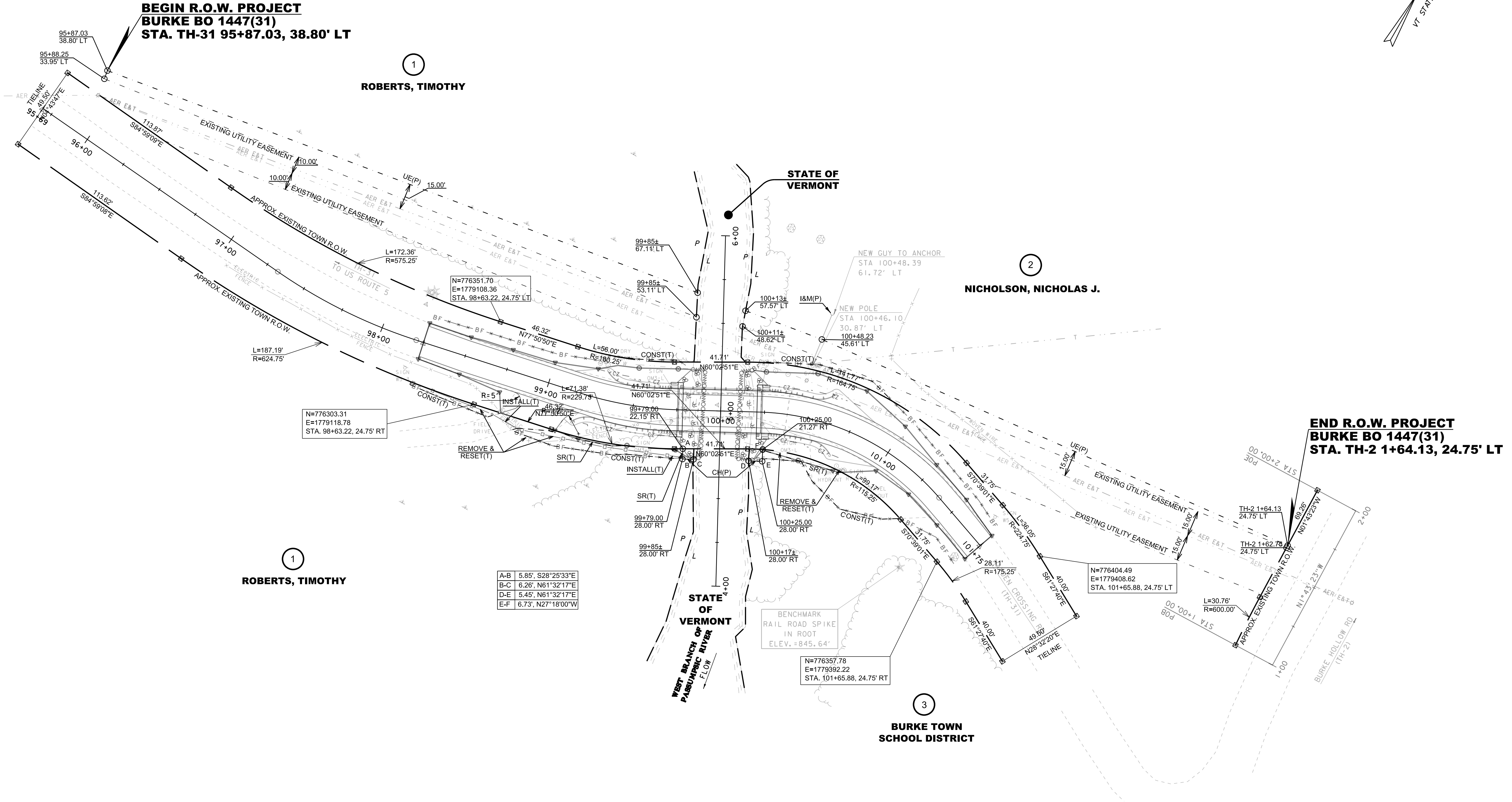
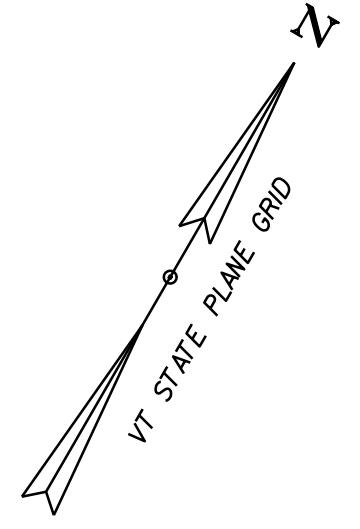
PLOT DATE: 12-OCT-2020  
DRAWN BY: R. PELLETT  
CHECKED BY: D. PETERSON  
SHEET 37 OF 39

REMOVING SIGNS  
STA 99+25.3 LT (NO PARKING FIRE LANE)  
STA 99+70.7 LT (OBJECT MARKER)  
STA 99+72.1 RT (OBJECT MARKER)  
STA 100+22.5 LT (OBJECT MARKER)  
STA 100+23.8 RT (OBJECT MARKER)  
  
RESETTING SIGNS  
STA 99+27.1 LT (NO PARKING FIRE LANE)  
  
TRAFFIC SIGNS, TYPE A  
STA 99+72.3 RT (BRIDGE 35)  
STA 100+27.7 LT (BRIDGE 35)

COARSE-MILLING, BITUMINOUS PAVEMENT  
STA 98+25.0 - 98+75.0  
STA 101+25.0 - 101+75.0  
  
CONSTRUCT 11 FT. WIDE PAVED APRON  
STA 98+70.6 - 99+28.5 RT

4" WHITE LINE (EDGE LINE)  
STA 98+25.0 - 101+75.0 LT (350 LF)  
STA 98+25.0 - 101+75.0 RT (350 LF)  
  
4" YELLOW LINE (DOUBLE CENTERLINE)  
STA 98+25.0 - 101+75.0 (350 LF)  
  
SPECIAL PROVISION (ELECTRIC FENCE)  
STA 99+53.4 - 99+80.4 RT

REMOVING AND RESETTNG FENCE (ELECTRIC)  
STA 98+25.0 - 98+74.2 RT  
STA 98+92.3 - 99+53.4 RT  
  
REMOVAL AND DISPOSAL OF GUIDE POSTS  
STA 100+23.0 - 100+36.0 LT (3 POSTS)  
  
SPECIAL PROVISION (FENCE GATE)  
STA 98+74.2 - 98+92.3 RT



LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

FOR R.O.W. USE ONLY

PROJECT NAME: BURKE  
PROJECT NUMBER: BO 1447(31)

FILE NAME: r12j610lay.dgn  
PROJECT LEADER: C. COTA  
DESIGNED BY: D. PETERSON  
R.O.W. LAYOUT SHEET 1 OF 1

PLOT DATE: 12-OCT-2020  
DRAWN BY: A. EGIZI  
CHECKED BY: A. PROULX  
SHEET 38 OF 39

SCALE 1" = 30'-0"  
30 0 30

[illegible]