

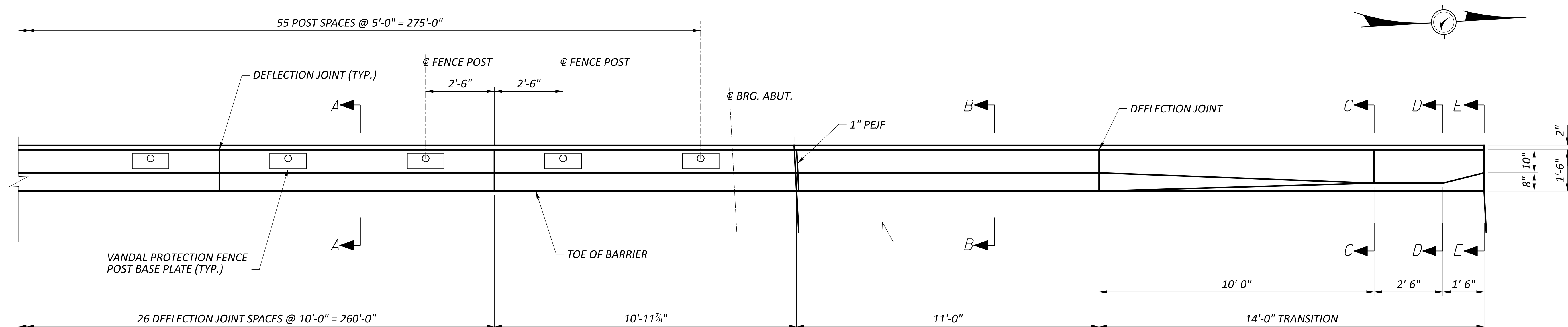
ESTIMATED QUANTITIES							CALC. XAC	DATE 3-04-22	CHK'D BCS	DATE 3-14-22
ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GENERAL	SHT. REF.	
202	11203	LS	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2/34	
202	22900	414	SY	APPROACH SLAB REMOVED				414		
202	75260	564	FT	VANDAL FENCE REMOVED			564			
503	11101	LS	LS	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	LS				2/34	
503	21100	65	CY	UNCLASSIFIED EXCAVATION	65					
509	10000	195,340	LB	EPOXY COATED REINFORCING STEEL	2,702	2,806	189,832			
509	30020	10,589	FT	NO. 4 GFRP DEFORMED BARS			10,589			
510	10001	624	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	204	420			2/34	
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2					
511	34446	731	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			731			
511	34448	101	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)			101			
511	42510	15	CY	CLASS QC1 CONCRETE, PIER CAP		15				
511	46010	30	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	30					
512	10101	1,224	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	140	389	695		2/34	
512	74000	346	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	152	194				
512	10601	202	FT	CONCRETE REPAIR BY EPOXY INJECTION, AS PER PLAN	155	47				
513	20000	9,090	EACH	WELDED SHEAR CONNECTORS			9,090			
513	95020	LS	LS	STRUCTURAL STEEL, MISC.: CUT AND SPLICE EXISTING CROSSFRAME MEMBERS			LS		18/34	
514	00050	32,332	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			32,332			
514	00056	32,332	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			32,332			
514	00062	32,332	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			32,332			
514	00066	32,332	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, FINISH COAT			32,332			
514	00504	47	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			47			
514	10000	10	EACH	FINAL INSPECTION REPAIR			10			
516	10010	152	FT	ARMORLESS PREFORMED JOINT SEAL				152		
516	13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER			16			
516	13900	154	SF	2" PREFORMED EXPANSION JOINT FILLER	154					
516	14020	248	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	248					
516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2 ⁵ / ₈ ", AS PER PLAN			10		21/34	
516	44201	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3 ¹ / ₂ "x1'-6"x3", AS PER PLAN			20		20/34	
516	44301	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4 ¹ / ₂ ", AS PER PLAN			20		19/34	
516	47001	LS	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN				LS	2/34	
518	21200	92	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	92					
519	11101	22	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	10	12			2/34	
526	25000	422	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")				422		
526	90030	152	FT	TYPE C INSTALLATION				152		
530	13000	1961	SF	SPECIAL - FORM LINER			1961		2/34	
607	39900	550	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			550			
607	39994	564	FT	TEMPORARY VANDAL FENCE, TYPE B			564			
625	33000	2	EACH	STRUCTURE GROUNDING SYSTEM			2			

ESTIMATED QUANTITIES
 BRIDGE NO. PRE-127-1911
 U.S. 127 OVER I.R. 70

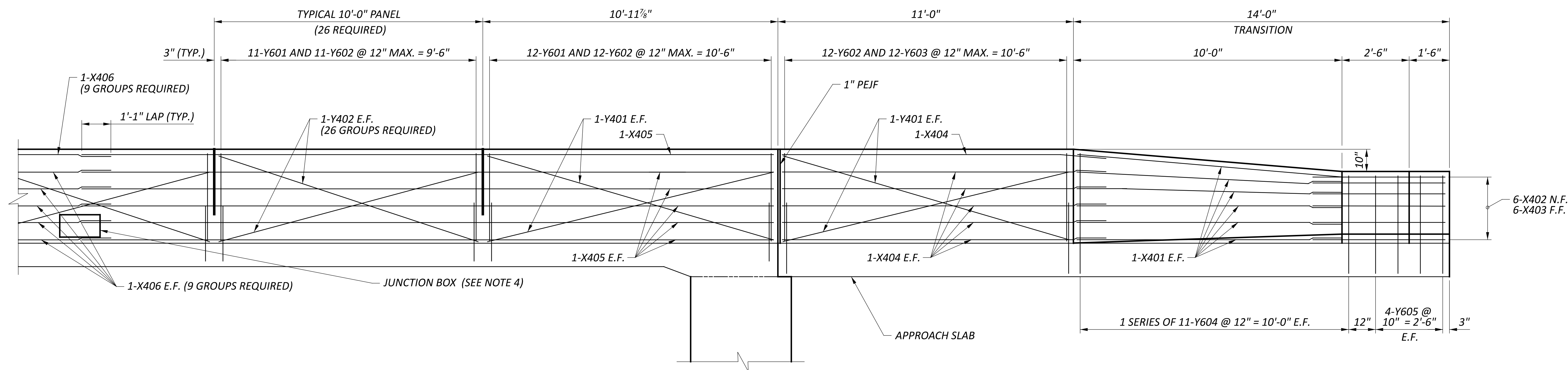
SFN
 6802702
 DESIGN AGENCY

B&N
 burgessniple.com

DESIGNER	CHECKER
BCS	XAC
REVIEWER	
SJA	3-23-22
PROJECT ID	
102781	
SUBSET	TOTAL
3	34
SHEET	TOTAL
P.68	P.99



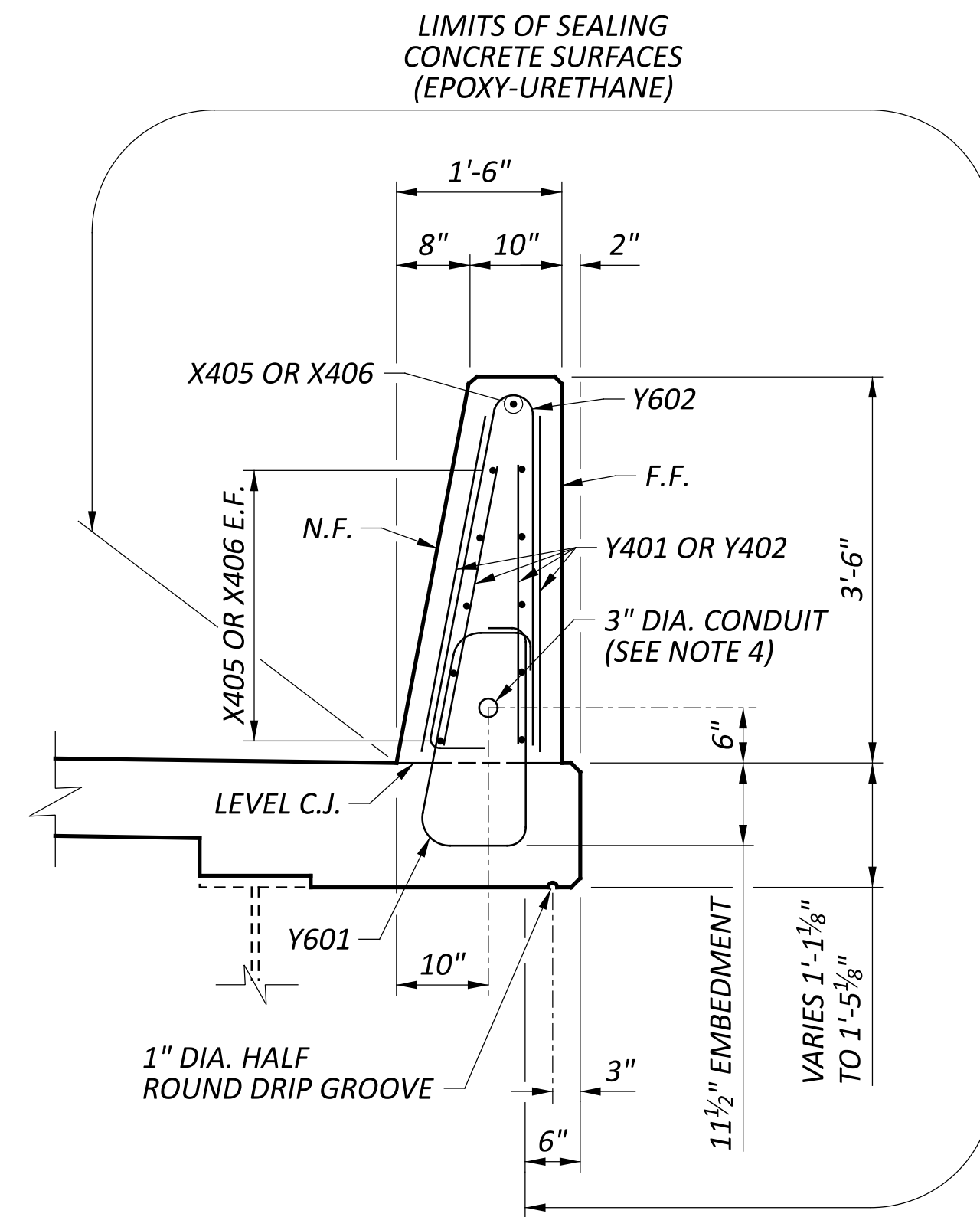
PARTIAL RAILING PLAN
 (NORTHWEST CORNER SHOWN,
 OTHER CORNERS ARE SIMILAR)



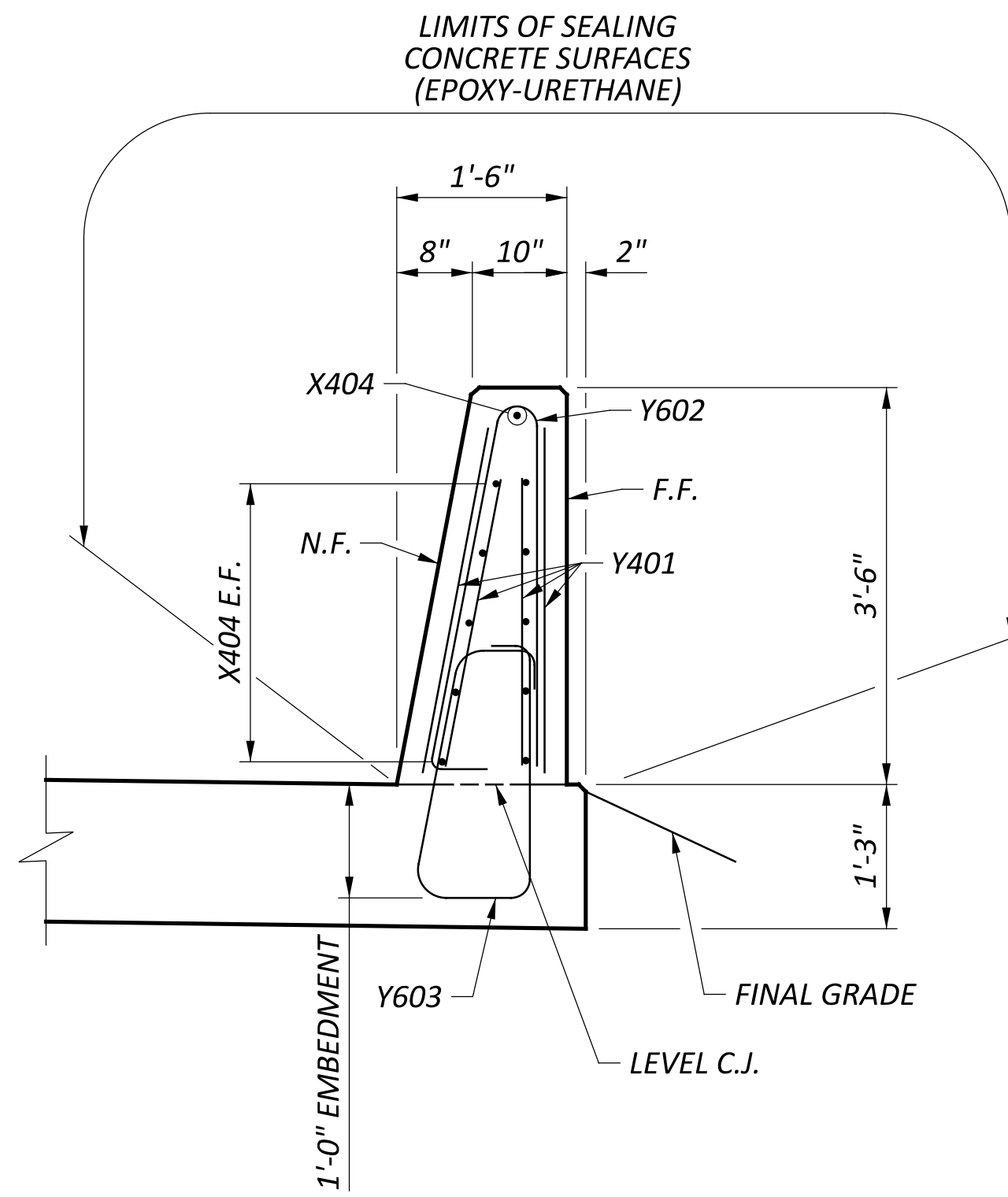
PARTIAL RAILING ELEVATION
 (NORTHWEST CORNER SHOWN, OTHER CORNERS ARE SIMILAR)
 (VANDAL PROTECTION FENCE NOT SHOWN)

NOTES:

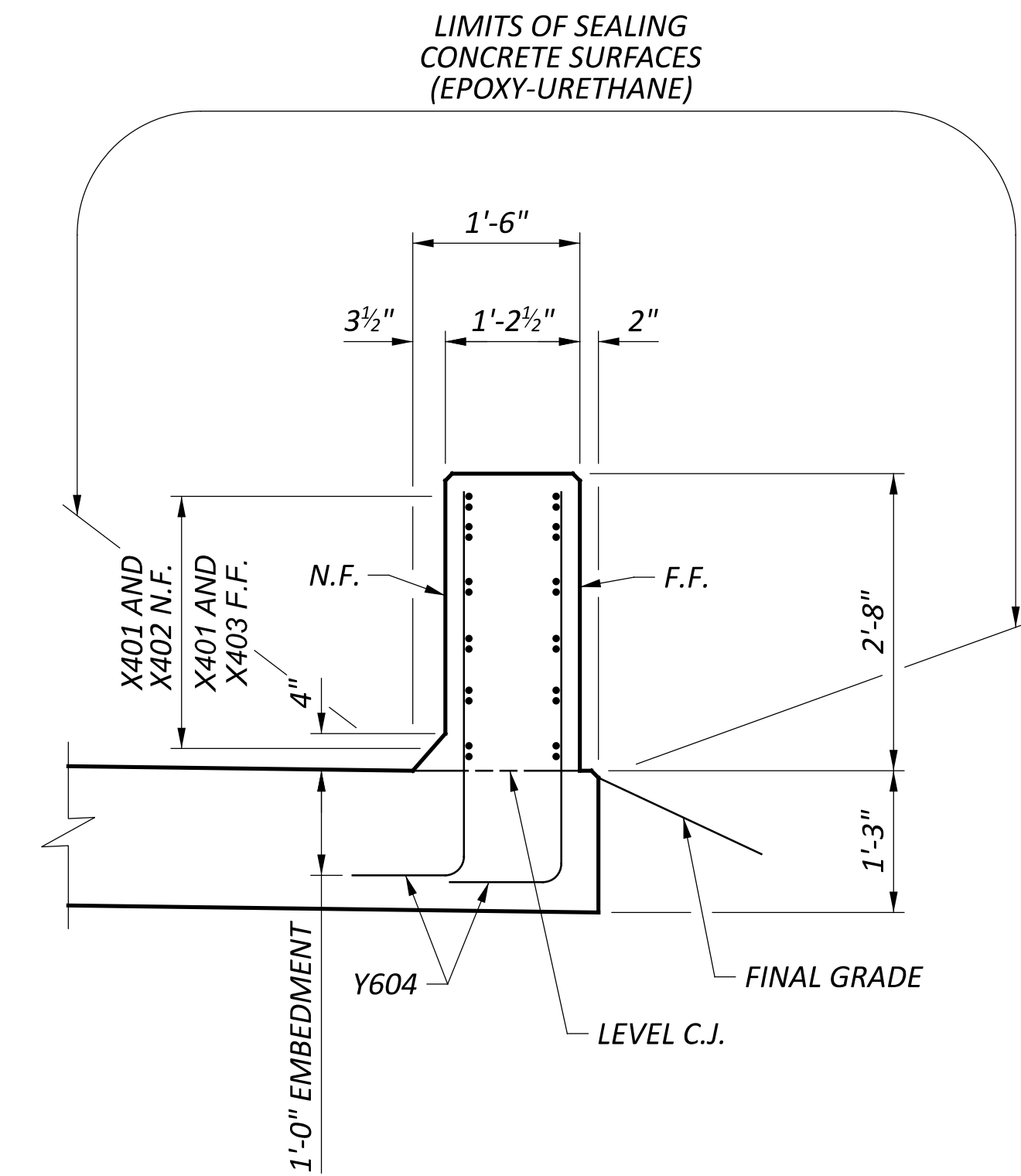
1. FOR VANDAL PROTECTION FENCE POST BASE PLATE DETAILS, SEE STD. DWG. VPF-1-90.
2. FOR DEFLECTION JOINT DETAILS AND ADDITIONAL RAILING DETAILS, SEE STD. DWG. SBR-1-20.
3. FOR RAILING SECTIONS, SEE SHEET 31/34.
4. LOCATE JUNCTION BOX 30' FROM END OF BRIDGE. TWO JUNCTIONS BOXES REQUIRED PER RAILING, SEE STANDARD DRAWING HL-20.14. SEE TRAFFIC CONTROL PLANS FOR PAYMENT.



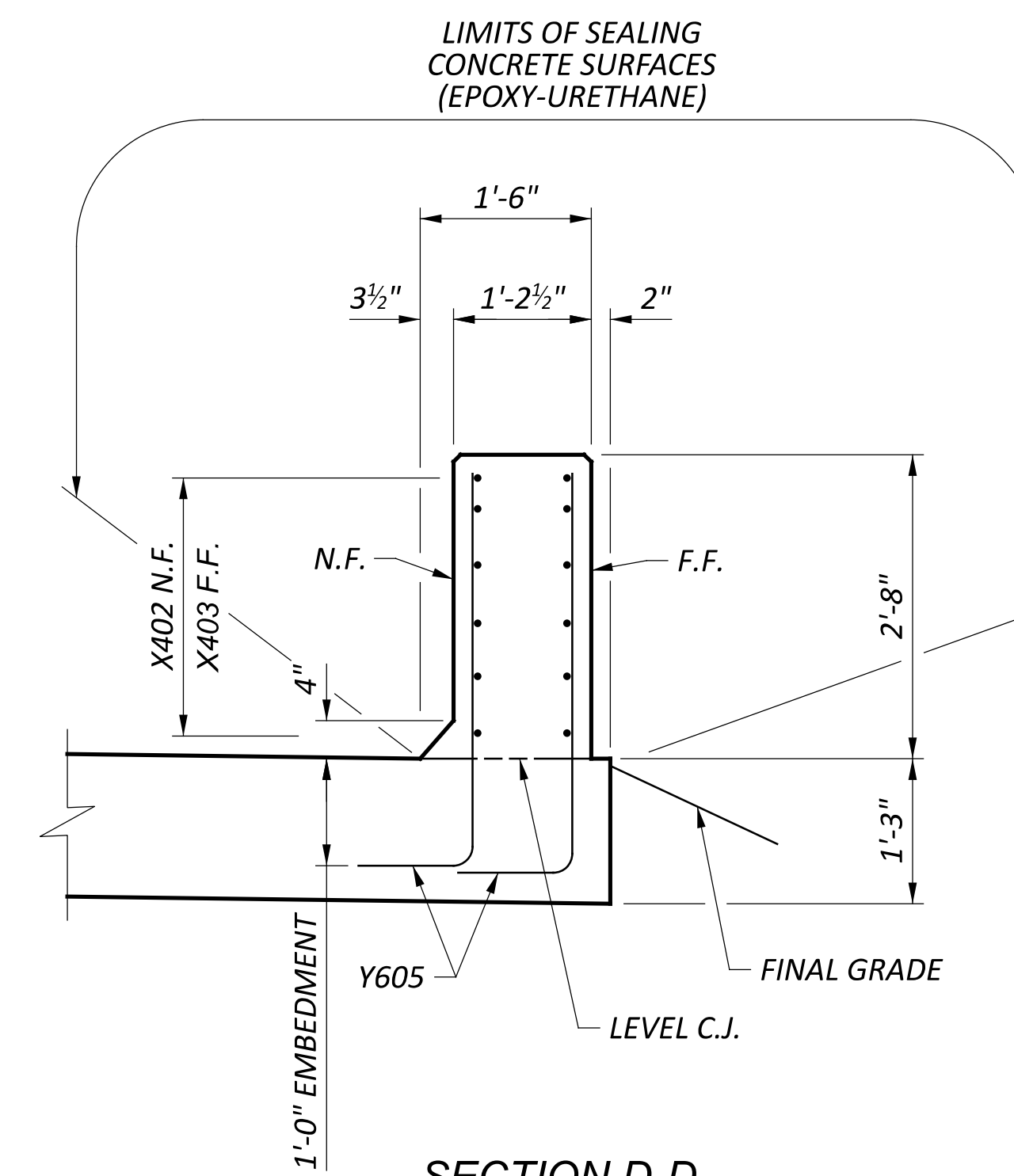
SECTION A-A
 (VANDAL PROTECTION FENCE
 AND FORM LINER
 NOT SHOWN FOR CLARITY)



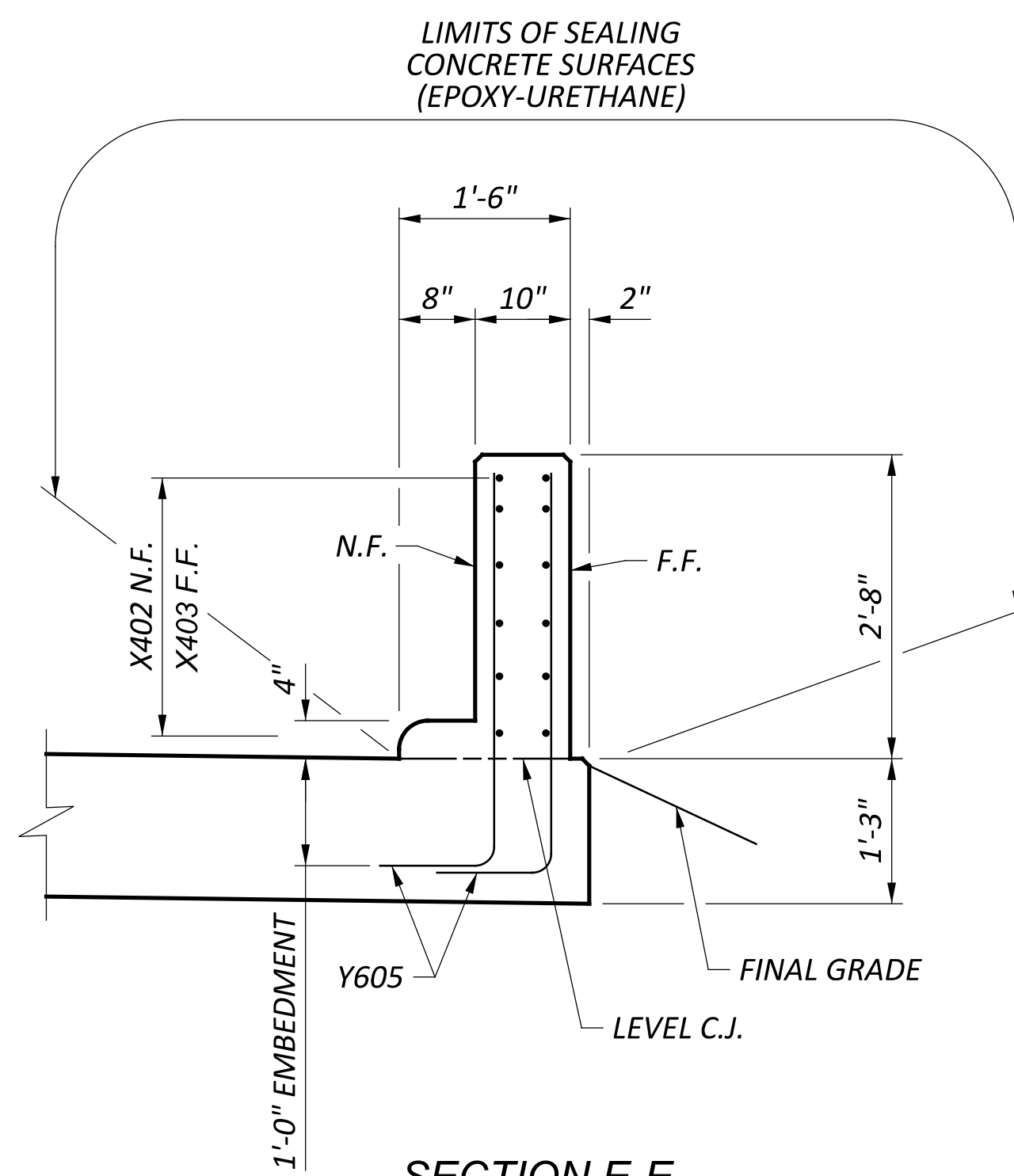
SECTION B-B
 (FORM LINER NOT SHOWN FOR CLARITY)



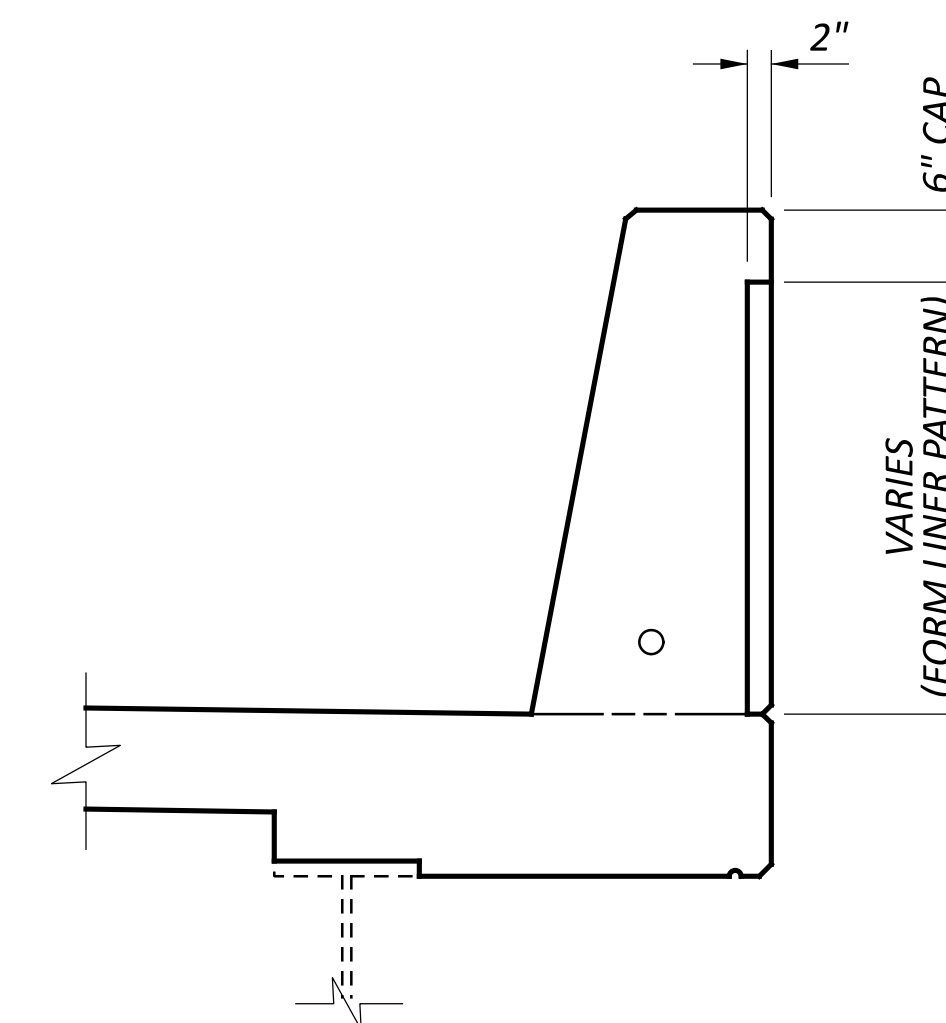
SECTION C-C
 (FORM LINER NOT SHOWN FOR CLARITY)



SECTION D-D
 (FORM LINER NOT SHOWN FOR CLARITY)



SECTION E-E
 (FORM LINER NOT SHOWN FOR CLARITY)



FORM LINER DETAIL
 (TRANSITION SIMILAR)

NOTES:

1. FOR VANDAL PROTECTION FENCE POST BASE PLATE DETAILS, SEE STD. DWG. VPF-1-90.
2. FOR DEFLECTION JOINT DETAILS AND ADDITIONAL RAILING DETAILS, SEE STD. DWG. SBR-1-20.
3. FOR ADDITIONAL FORM LINER INFORMATION, SEE SHEET 2/34.
4. 3" DIAMETER CONDUIT SEE TRAFFIC CONTROL PLANS FOR PAYMENT.

SFN 6802702	
DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER BCS	CHECKER MAB
REVIEWER SJA 3-24-22	
PROJECT ID 102781	
SUBSET 31	TOTAL 34
SHEET P.96	TOTAL P.99