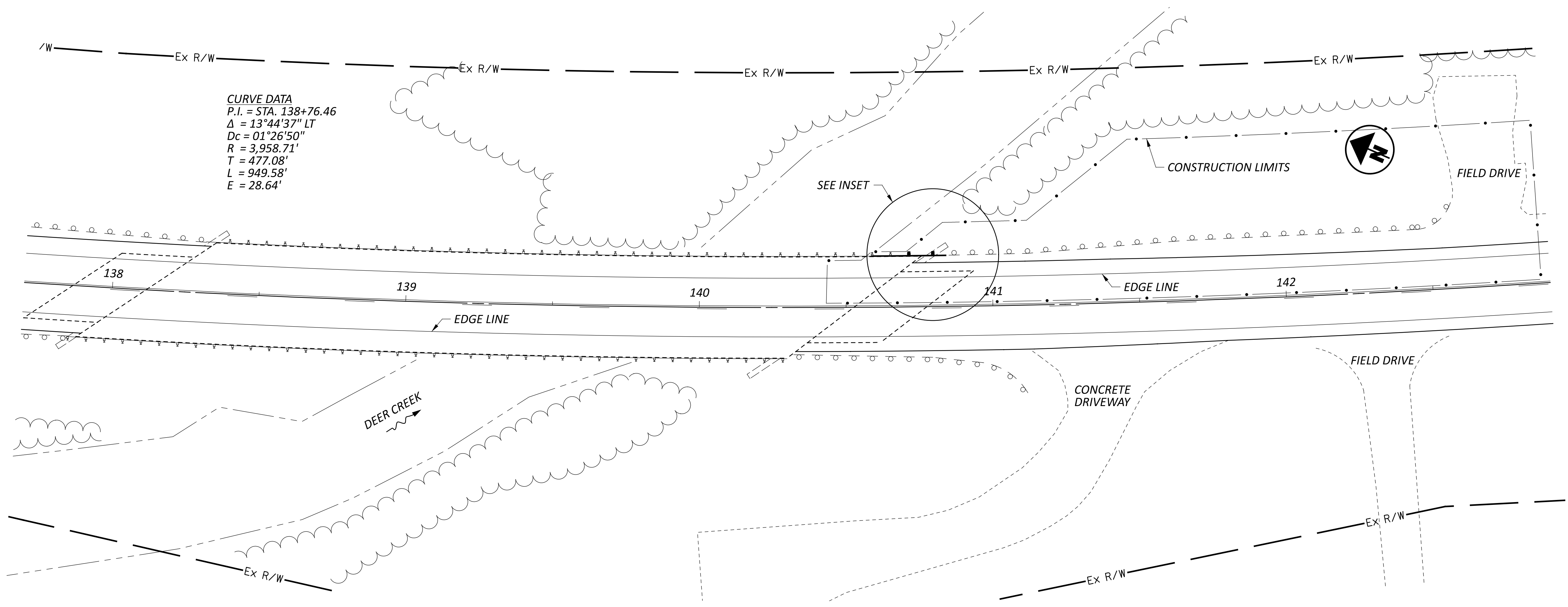


SHEET														PARTICIPATION		ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.8	P.9	P.10	P.12	P.13	P.16	P.17	P.26	P.27	P.28	P.29	01/S5K/05	02/STR/05									
														TRAFFIC CONTROL							
								489			99	390	621	00100	489	EACH	RPM				
								489			99	390	621	54000	489	EACH	RAISED PAVEMENT MARKER REMOVED				
									80		40	40	630	02100	80	FT	GROUND MOUNTED SUPPORT, NO. 2 POST				
									56		28	28	630	03100	56	FT	GROUND MOUNTED SUPPORT, NO. 3 POST				
									24		12	12	630	80100	24	SF	SIGN, FLAT SHEET				
								12.35			3.01	9.34	644	00104	12.35	MILE	EDGE LINE, 6"				
								6.15			1.51	4.64	644	00300	6.15	MILE	CENTER LINE				
								187				187	644	00400	187	FT	CHANNELIZING LINE, 8"				
								48				48	644	00500	48	FT	STOP LINE				
								2				2	644	01300	2	EACH	LANE ARROW				
								0.11				0.11	646	10010	0.11	MILE	EDGE LINE, 6"				
								0.06				0.06	646	10200	0.06	MILE	CENTER LINE				
														STRUCTURE OVER 20 FOOT SPAN (MAD-56-0262)							
												LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	P.30			
								32				32	509	10001	32	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	P.30			
								6				6	510	10000	6	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT				
								4				4	512	10050	4	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				
								25				25	517	76300	25	FT	RAILING, MISC.: REMOVE AND RESET BRIDGE RAILING	P.30			
								5				5	SPECIAL	51822300	5	FT	SPECIAL - STEEL DRIP STRIP	P.30			
								12				12	519	11101	12	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.30			
														MAINTENANCE OF TRAFFIC							
			16								4	12	614	11110	16	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE				
				2								2	614	12380	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)				
			64								16	48	614	12460	64	EACH	WORK ZONE MARKING SIGN				
				15								15	614	13310	15	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY				
				15								15	614	13360	15	EACH	OBJECT MARKER, TWO WAY				
			12.30								3.02	9.28	614	21550	12.30	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT				
			12.35								3.01	9.34	614	22360	12.35	MILE	WORK ZONE EDGE LINE, CLASS III, 6" 642 PAINT				
			374									374	614	23680	374	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT				
			96									96	614	26610	96	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT				
								670				670	622	41100	670	FT	PORTABLE BARRIER, UNANCHORED				
														INCIDENTALS							
											LS	LS	614	11000	LS		MAINTAINING TRAFFIC				
											LS	LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P.10			
											LS	LS	624	10000	LS		MOBILIZATION				

GENERAL SUMMARY

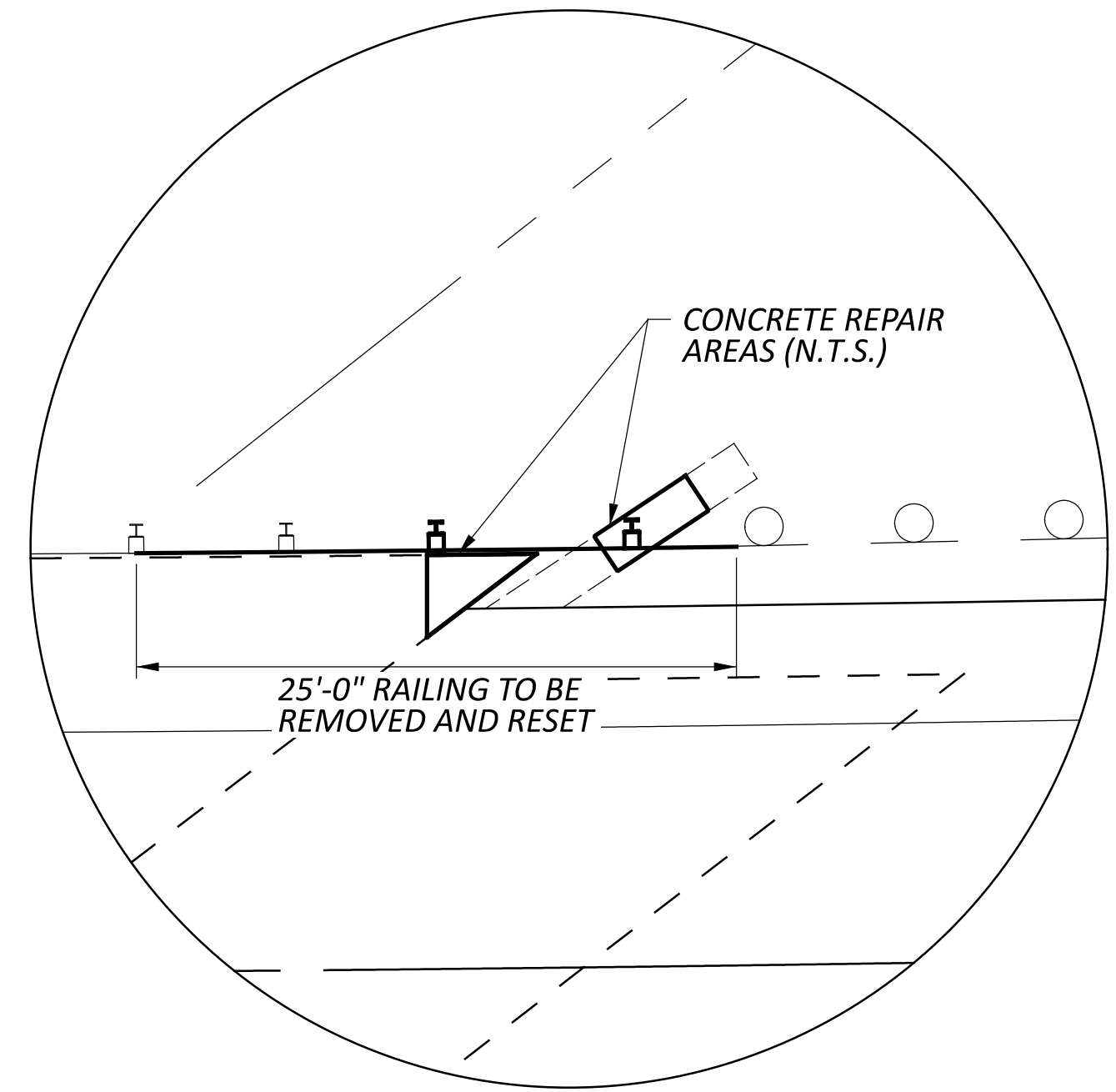
DESIGN AGENCY

 DESIGNER
JDM
 REVIEWER
KLM 10/07/24
 PROJECT ID
112871
 SHEET TOTAL
 P.15 | 31



PLAN VIEW

ITEM	TOTAL (CARRIED TO GENERAL SUMMARY)	UNIT	DESCRIPTION	DECK	WINGWALL
202E11201	1	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	LS	LS
509E10001	32	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	14	18
510E10000	6	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		6
512E10050	4	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	2	2
517E76300	25	FT	RAILING, MISC.: REMOVE AND RESET BRIDGE RAILING	25	
518E22300	5	FT	SPECIAL - STEEL DRIP STRIP	5	
519E11101	12	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	6	6



WORK LOCATIONS

GENERAL PLAN
 BRIDGE NO. MAD-56-0262
 OVER DEER CREEK

SFN	
4901746	
DESIGN AGENCY	
DESIGNER	CHECKER
JDM	TAA
REVIEWER	
KLM 10/07/24	
PROJECT ID	
112871	
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.29	31

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05 AND 105.02. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS WORK CONSISTS OF THE REMOVAL OF CONCRETE DECKS INCLUDING METAL RAILINGS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF THE BRIDGE THAT ARE TO BE LEFT UNCHANGED AS IDENTIFIED IN THE PROJECT PLANS. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE RAM TYPE OF EQUIPMENT. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

CUT LINE CONSTRUCTION JOINT PREPARATION

SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING LONGITUDINAL AND TRANSVERSE REINFORCING STEEL, IF EXPOSED DURING DEMOLITION, IN PLACE. INSTALL DOWEL BARS. PRIOR TO CONCRETE PLACEMENT, ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

SUPERSTRUCTURE CONCRETE REMOVAL

REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL NOT BE PERMITTED. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18 INCH LIMIT, THE CONTRACTOR MAY USE HAMMERS NOT EXCEEDING 90 POUNDS UPON THE APPROVAL OF THE ENGINEER. DO NOT PLACE PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE.

ITEM 509 - EPOXY COATED REINFORCING STEEL, AS PER PLAN

THE CONTRACTOR SHALL USE EPOXY COATED REINFORCING STEEL INSTEAD OF WELDED WIRE MESH FOR THE REPAIR AREAS. IN ADDITION TO THE PROVISIONS OF ITEM 509, FIELD BEND AND/OR FIELD CUT THE REINFORCING STEEL DESIGNATED IN THE PLANS, AS NECESSARY, IN ORDER TO MAINTAIN THE REQUIRED CLEARANCES AND BAR SPACINGS. REPAIR ALL DAMAGE TO THE EPOXY COATING, AS A RESULT OF THIS WORK, ACCORDING TO C&MS 709.00.

ITEM 517 - RAILING, MISC.: REMOVE AND RESET BRIDGE RAILING

THE CONTRACTOR SHALL REMOVE AND RESET THE EXISTING DEEP BEAM BRIDGE RAILING AS NECESSARY TO COMPLETE THE CONCRETE REPAIRS. THE COST TO REMOVE AND RESET THE EXISTING RAIL POSTS SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

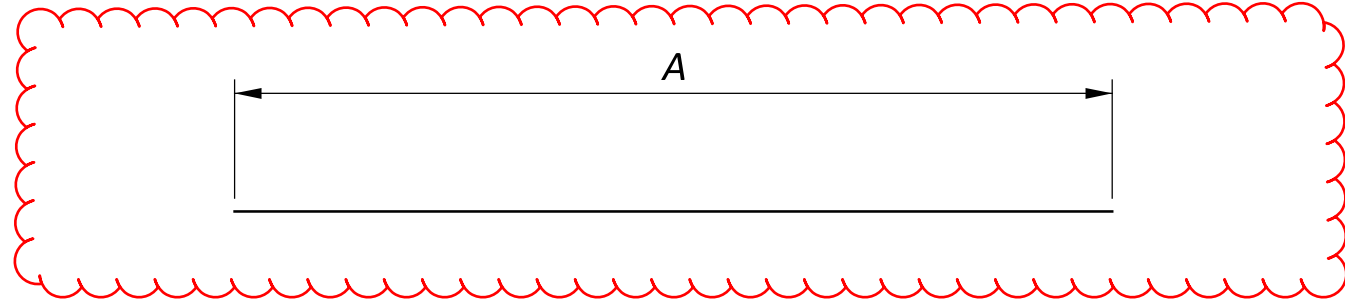
ITEM 518 - SPECIAL - STEEL DRIP STRIP

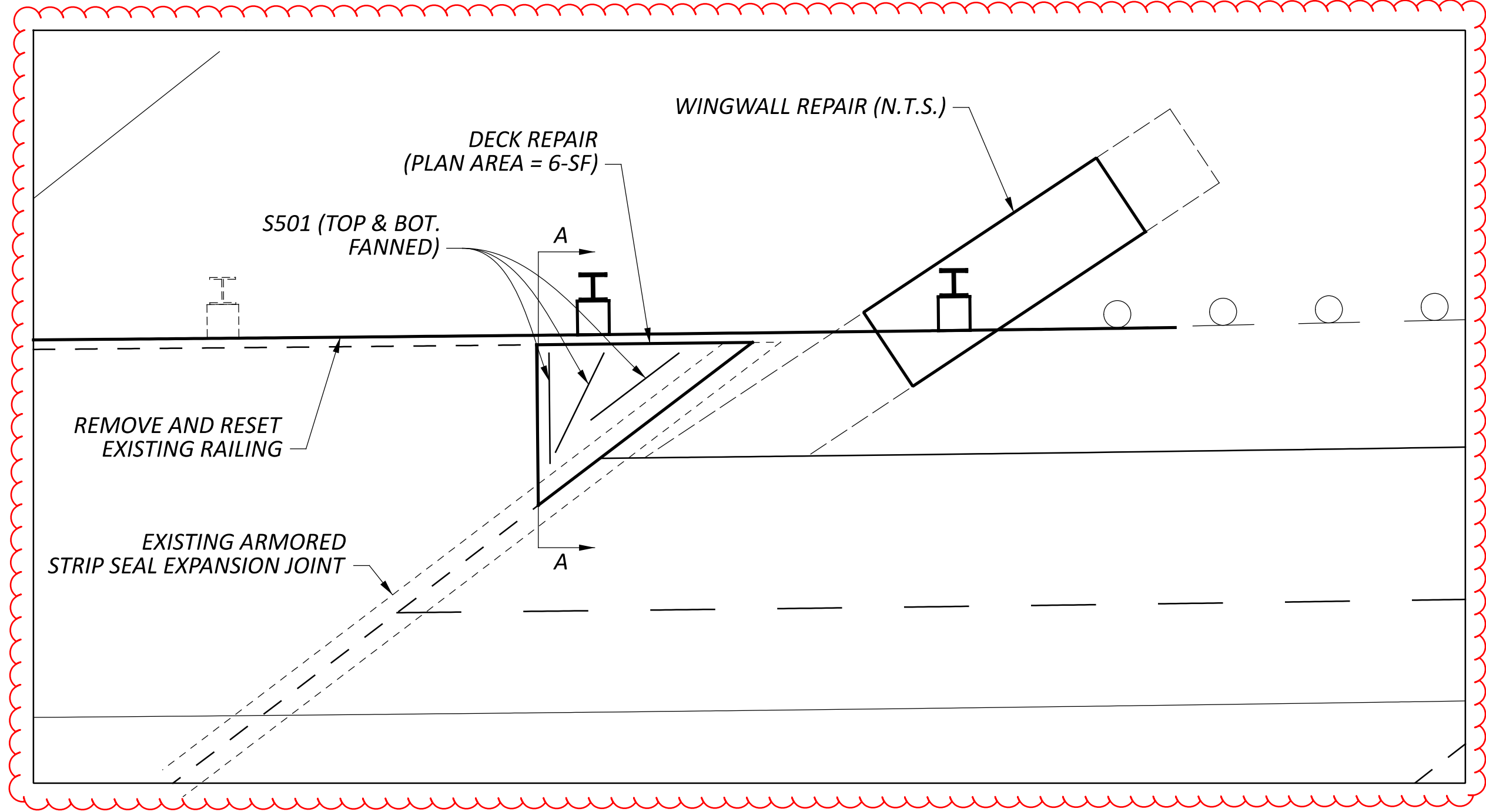
PROVIDE A NEW DRIP STRIP CONFORMING TO SCD DS-1-92, TO REPLACE EXISTING DRIP STRIP DAMAGED DURING CONCRETE REMOVAL.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

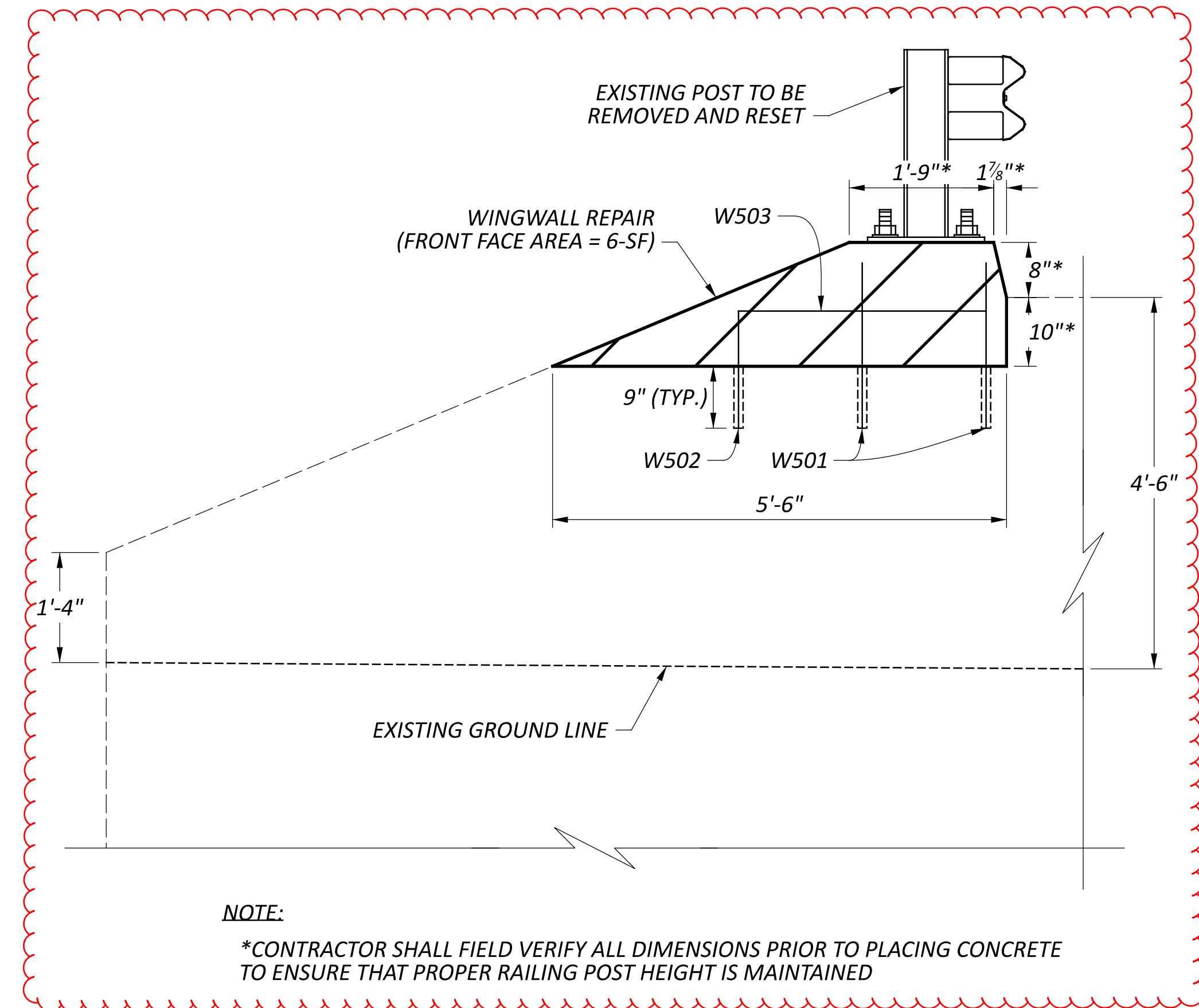
THE CONTRACTOR SHALL FOLLOW THE CONCRETE REPAIR PROCEDURE IDENTIFIED IN C&MS 519, EXCEPT THAT THE REINFORCEMENT OF THE REPAIR AREAS SHALL BE PROVIDED UNDER PAY ITEM 509 - EPOXY COATED REINFORCING STEEL, AS PER PLAN.

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL				A	B	C	D	E	R
DECK										
S501	6	2'-2"	14	STR	2'-2"					
		SUBTOTAL	14							
WINGWALL										
W501	4	2'-0"	8	STR	2'-0"					
W502	2	1'-5"	3	STR	1'-5"					
W503	2	3'-0"	6	STR	3'-0"					
		SUBTOTAL	18							
		TOTAL	32							

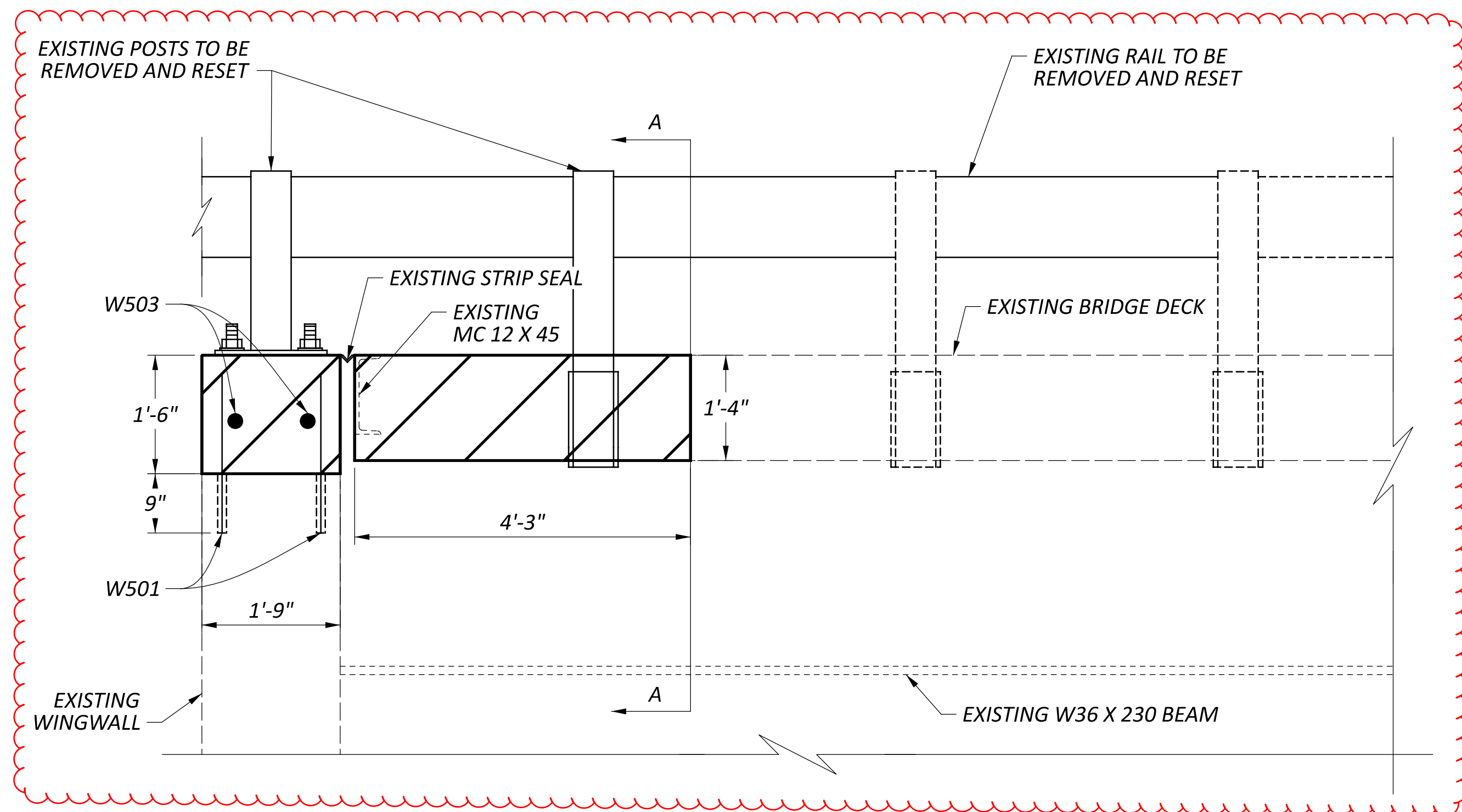




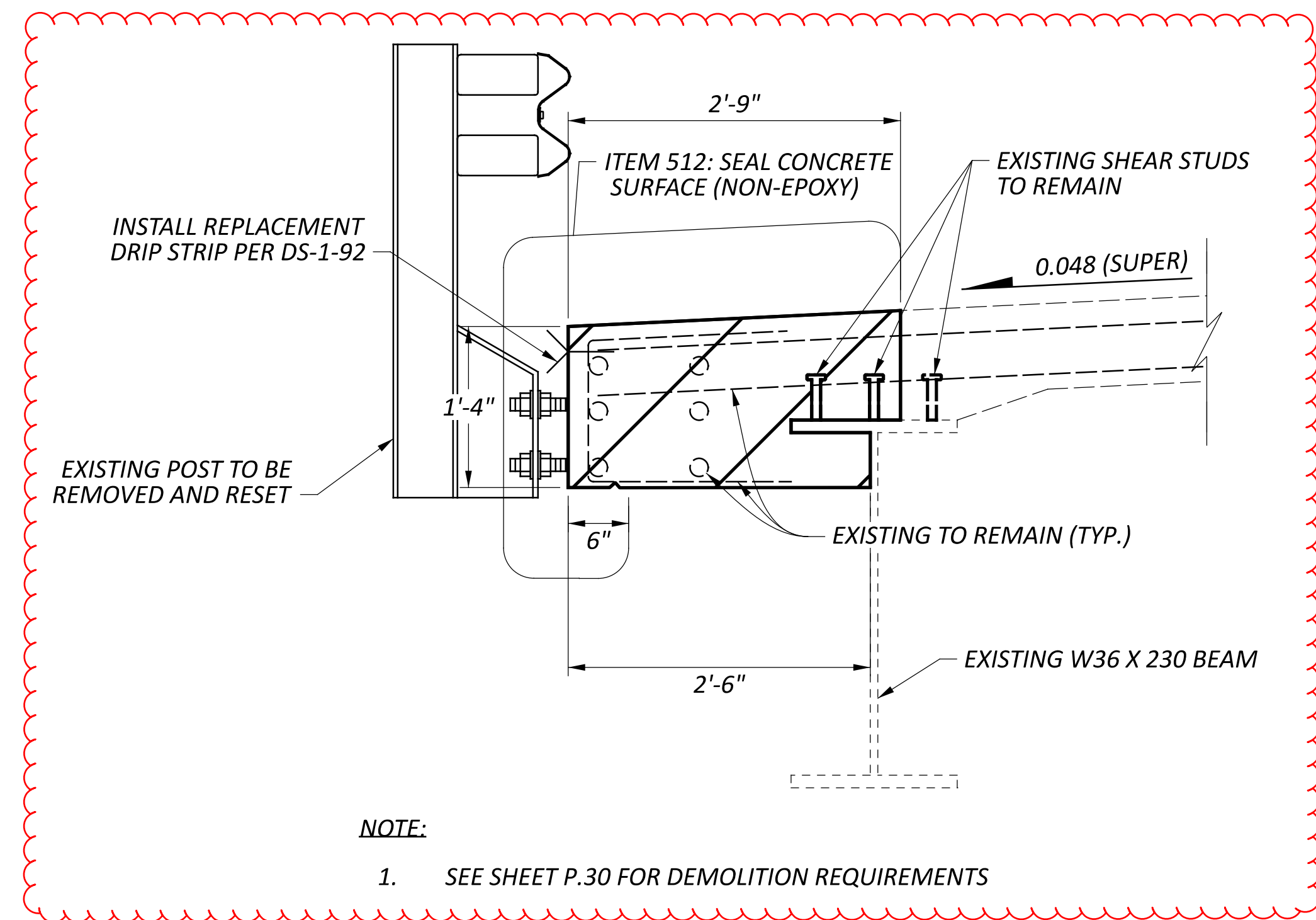
PLAN VIEW



WINGWALL ELEVATION



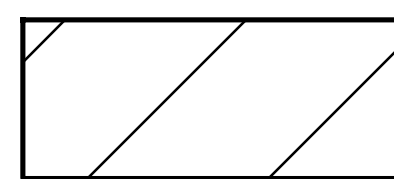
DECK REPAIR ELEVATION



NOTE:
 1. SEE SHEET P.30 FOR DEMOLITION REQUIREMENTS

SECTION A-A

KEY:



ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN



DESIGNER	CHECKER
JDM	TAA
REVIEWER	
KLM 10/07/24	
PROJECT ID	
112871	
SUBSET	TOTAL
3	3
SHEET	TOTAL
P.31	31