

SHEET NUM.															PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION		SEE SHEET NO.
17	32	33	34	177	178	179	180	181	182	183	197	198	199		1/CMQ/28 /GPHC		EXT	TOTAL				
																				DRAINAGE		
				0.54	0.66	0.46	2.2	0.6	1.52	1.84					7.82	602	20000	7.82	CY	CONCRETE MASONRY		
100															100	611	00901	100	FT	6" CONDUIT, TYPE B, AS PER PLAN, FOR DRAINAGE CONNECTION		17
				62											62	611	05700	62	FT	15" CONDUIT, TYPE A 706.02, 707.01 ALUMINIZED, 707.33		
					35										35	611	07900	35	FT	18" CONDUIT, TYPE D		
						42									42	611	10600	42	FT	24" CONDUIT, TYPE C		
								20							20	611	13900	20	FT	30" CONDUIT, TYPE D		
										8					8	611	19900	8	FT	42" CONDUIT, TYPE D		
							43.5								43.5	611	21400	43.5	FT	48" CONDUIT, TYPE D		
						1									1	611	98510	1	EACH	CATCH BASIN, NO. 2-3		
	6														6	611	99654	6	EACH	MANHOLE ADJUSTED TO GRADE		
																				PAVEMENT		
			23												23	253	02001	23	CY	PAVEMENT REPAIR, AS PER PLAN		18
		1,802	268												2,070	301	56000	2,070	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		
		8	18												26	302	56000	26	CY	ASPHALT CONCRETE BASE, PG64-22, (449), 10 1/2"		
		3,639	529												4,168	304	20000	4,168	CY	AGGREGATE BASE		
		1,305	190												1,495	407	10000	1,495	GAL	TACK COAT		
															215	411	10001	215	CY	STABILIZED CRUSHED AGGREGATE, AS PER PLAN		18
															1,035	441	70000	1,035	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
															141	609	12000	141	FT	COMBINATION CURB AND GUTTER, TYPE 2		1
																				WATER WORK		
	2														2	638	10800	2	EACH	VALVE BOX ADJUSTED TO GRADE		
																				OTHER UTILITIES		
															1	SPECIAL	61199700	1	EACH	GAS VALVE BOX ADJUSTED TO GRADE		
																				TRAFFIC CONTROL		
															24	620	00500	24	EACH	DELINEATOR, POST GROUND MOUNTED		
															1	621	54000	1	EACH	RAISED PAVEMENT MARKER REMOVED		
											2				2	625	32000	2	EACH	GROUND ROD		
											480		135		615	630	03100	615	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
											16				16	630	08520	16	FT	STREET NAME SIGN SUPPORT, NO. 3 POST		
															24	630	08600	24	EACH	SIGN POST REFLECTOR		
															228	630	80100	267	SF	SIGN, FLAT SHEET		
															7	630	84900	7	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
															4	630	85100	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		
															6	630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
															2	630	97700	2	EACH	SIGNING, MISC.:SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY		186
															2	632	64020	2	EACH	PEDESTAL FOUNDATION		
												239			239	642	30000	239	FT	REMOVAL OF PAVEMENT MARKING		
													0.04		0.04	644	00100	0.04	MILE	EDGE LINE, 4"		
													0.02		0.02	644	00104	0.02	MILE	EDGE LINE, 6"		
															0.35	644	00300	0.35	MILE	CENTER LINE		
															85	644	00500	85	FT	STOP LINE		
															296	644	00630	296	FT	CROSSWALK LINE, 24"		
															47	644	00700	47	FT	TRANSVERSE/DIAGONAL LINE		
															27	644	01200	27	FT	PARKING LOT STALL MARKING		
															4	644	01410	4	EACH	WORD ON PAVEMENT, 96"		
															1	644	01600	1	EACH	HANDI CAP SYMBOL MARKING		

GENERAL SUMMARY

DESIGN AGENCY

KZF DESIGN
Designing Better Futures

700 Broadway Street
Cincinnati, OH 45202-6010
TEL 513 621 6211
FAX 513 621 6530

DESIGNER

SCR

REVIEWER

SCR 4/11/2025

PROJECT ID

117016

SHEET

P.31

TOTAL

369

SHEET NUM.														PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION		SEE SHEET NO.
184	185	292	249E-287											1/CMQ/28 /GPHC	EXT	TOTAL					
			479											479	661	40081	479	EACH	DECIDUOUS TREE, 2" CALIPER, AS PER PLANFLOWERING / UNDERSTORY TREES		249A-249D
			370											370	661	40121	370	EACH	DECIDUOUS TREE, 3" CALIPER, AS PER PLANSHADE TREES		249A-249D
			74											74	661	50161	74	EACH	EVERGREEN TREE, 8' HEIGHT, AS PER PLANCONIFEROUS TREES		249A-249D
														1	661	99940	LS		PLANTING, MISC.:LANDSCAPING ITEMS		249A-249D
																					</

GENERAL SUMMARY

DESIGN AGENCY
KZF DESIGN
Designing Better Futures
700 Broadway Street
Cincinnati, OH 45202-6010
TEL 513 621 6211
FAX 513 621 6530

DESIGNER
SCR

REVIEWER
SCR 4/11/2025

PROJECT ID
117016

SHEET	TOTAL
P.31A	369

ITEM 838 - GABIONS, AS PER PLAN

THIS ITEM SHALL CONSIST OF THE INSTALLATION OF A GABION RETAINING WALL AS DETAILED IN THESE PLANS.

THE UNIT BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK UNDER ITEM 838 GABIONS, AS PER PLAN

ITEM 870 - PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN

THIS ITEM SHALL CONSIST OF THE INSTALLATION OF A MODULAR RETAINING WALL AS DETAILED IN THESE PLANS. BLOCK TEXTURE TO BE APPROVED BY GREAT PARKS.

PRECAST BLOCK EXPOSED TO THE ELEMENTS SHALL BE SEALED WITH EPOXY-URETHANE COATING PER ITEM 512

THE UNIT BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK UNDER ITEM 870 PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN

RETAINING WALL SUBGRADE IMPROVEMENT

NO LOCATIONS HAVE BEEN IDENTIFIED FOR REQUIRING SUBGRADE IMPROVEMENT BASED ON COMPLETION OF SOIL BORINGS. DYNAMIC CONE PENETROMETER (DCP) TESTS SHOULD BE EXTENDED A MINIMUM OF 5 FEET BELOW THE PROPOSED BEARING ELEVATION. IF SOFT, LOOSE, OR WET SOILS ARE ENCOUNTERED, EXCAVATE 24" BELOW THE LEVELING PAD TO REMOVE UNSUITABLE SOIL. A LAYER OF ITEM 204 - GEOTEXTILE FABRIC SHALL BE PLACED, AND BACKFILL WITH ITEM 204 - GRANULAR MATERIAL TYPE C CRUSHED AGGREGATE PER ODOT CMS 703.16.C

THE FOLLOWING QUANTITIES ARE PROVIDED FOR EXCAVATION AND REPLACEMENT OF UNSUITABLE SUBGRADE. THESE ITEMS SHALL NOT BE PERFORMED UNLESS DIRECTED BY ODOT.

ITEM 204 - EXCAVATION OF SUBGRADE 480 CY
ITEM 204 - GRANULAR MATERIAL, TYPE C 480 CY
ITEM 204 - GEOTEXTILE FABRIC 1120 SY

ITEM 204 - GRANULAR MATERIAL, TYPE C

THIS ITEM SHALL CONSIST OF THE INSTALLATION OF THE RETAINING WALL LEVELING PADS. GRANULAR MATERIAL TO BE INSTALLED PER CMS 703.16.C. THE LEVELING PAD SHALL EXTEND OVER THE ENTIRE WALL FOUNDATION AREA, AND 12-INCHES HORIZONTALLY IN FRONT OF THE WALL FACE.

THE UNIT BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK UNDER ITEM 204 - GRANULAR MATERIAL, TYPE C

ITEM 602 - BLOCK MASONRY, AS PER PLAN

THIS ITEM SHALL INCLUDE PROVIDING AND INSTALLING BLOCK MASONRY FOR SEAT WALLS. ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO PERFORM THIS WORK, INCLUDING HORIZONTAL JOINT REINFORCING, MORTAR SETTING BED, AND GROUT CORE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 602 - BLOCK MASONRY, AS PER PLAN.

ITEM 602 - MASONRY, MISC.: CAST STONE FACING

THIS ITEM SHALL INCLUDE PROVIDING AND INSTALLING CAST STONE FACING FOR SEAT WALLS. THE CAST STONE FACING SHALL BE BY STONE CRAFT INDUSTRIES HAMILTON HERITAGE, OR APPROVED EQUAL. THE CAST STONE FACING SHALL BE INSTALLED USING A MORTAR SETTING BED. ALL MATERIALS, LABOR AND EQUIPMENT TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 602 - MASONRY, MISC.: CAST STONE FACING.

ITEM 602 - MASONRY, MISC.: CAST STONE CAP

THIS ITEM SHALL INCLUDE PROVIDING AND INSTALLING CAST STONE CAPS FOR SEAT WALLS. THE CAST STONE CAP SHALL BE BY #C0100 BY ROCKCAST A DIVISION OF READING ROCK, OR APPROVED EQUAL; COLOR: BUFF. ALL MATERIALS, LABOR AND EQUIPMENT TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 602 - MASONRY, MISC.: CAST STONE CAP.

SOIL PROPERTIES

REFER TO SOIL PROFILE SHEETS FOR COMPLETE SOIL PROPERTY DATA.

RETAINING WALL #1 - GABION
B-001-0-24

RETAINING WALL #2 - GABION
B-003-0-24

RETAINING WALL #3 - MODULAR BLOCK
B-025-0-23
B-029-0-24
D-026-0-21
D-027-0-21
D-028-0-21

RETAINING WALL #4 - SEAT WALL
B-052-0-24

DESIGN AGENCY



700 Broadway Street
Cincinnati, OH 45202-6010
TEL 513 621 6211
FAX 513 621 6530

DESIGNER

TFZ

REVIEWER

SCR 4/11/2025

PROJECT ID

117016

SHEET

P.184

TOTAL

369

ESTIMATED QUANTITIES - RETAINING WALL #1 - GABION					
ITEM		TOTAL	UNIT	DESCRIPTION	SEE SHEET
204		243	CY	GRANULAR MATERIAL, TYPE C	184
503		2968	CY	UNCLASSIFIED EXCAVATION	
838		1044	CY	GABIONS, AS PER PLAN	184
870		522	FT	6" DRAINAGE PIPE, PERFORATED	
870		100	FT	6" DRAINAGE PIPE, NON-PERFORATED	
ESTIMATED QUANTITIES - RETAINING WALL #2 - GABION					
ITEM		TOTAL	UNIT	DESCRIPTION	SEE SHEET
204		106	CY	GRANULAR MATERIAL, TYPE C	184
503		1209	CY	UNCLASSIFIED EXCAVATION	
838		347	CY	GABIONS, AS PER PLAN	184
870		347	FT	6" DRAINAGE PIPE, PERFORATED	
870		100	FT	6" DRAINAGE PIPE, NON-PERFORATED	
ESTIMATED QUANTITIES - RETAINING WALL #3 - MODULAR BLOCK WALL					
ITEM		TOTAL	UNIT	DESCRIPTION	SEE SHEET
204		65	CY	GRANULAR MATERIAL, TYPE C	184
503		1072	CY	UNCLASSIFIED EXCAVATION	
512		378	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
601		250	FT	PAVED GUTTER, TYPE 2	
870		2151	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN	184
870		250	FT	6" DRAINAGE PIPE, PERFORATED	
870		20	FT	6" DRAINAGE PIPE, NON-PERFORATED	
870		10	DAYS	ON-SITE ASSISTANCE	
ESTIMATED QUANTITIES - RETAINING WALL #4 - SEAT WALL					
ITEM		TOTAL	UNIT	DESCRIPTION	SEE SHEET
203		19	CY	EMBANKMENT	
503		43	CY	UNCLASSIFIED EXCAVATION	
511		12	CY	CLASS QC1 CONCRETE, FOOTING	
602		25	CY	BLOCK MASONRY, AS PER PLAN	184
602		402	SF	MASONRY, MISC.: CAST STONE FACING	184
602		101	FT	MASONRY, MISC.: CAST STONE CAP	184

ALL QUANTITIES HAVE BEEN CARRIED
TO THE GENERAL SUMMARY SHEET



BRIDGE ESTIMATED QUANTITIES										
ITEM		TOTAL	UNIT	DESCRIPTION	SUPER.	REAR ABUT.	FWD. ABUT.	ENTIRE PROJECT	GENERAL	SEE SHEET NO.
503		49	CY	UNCLASSIFIED EXCAVATION, AS PER PLAN		11	38			2/10
505		1	LS	PILE DRIVING EQUIPMENT MOBILIZATION				1		
507		750	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN		350	400			
507		850	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED		400	450			
509		14001	LB	EPOXY COATED REINFORCING STEEL	8049	2976	2976			
511		34	CY	CLASS QC2 CONCRETE, BRIDGE DECK	34					
511		74	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING		37	37			
512		26	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		13	13			
516		28.6	FT	STRUCTURAL STEEL JOINT AND ELASTOMERIC COMPRESSION SEAL		14.3	14.3			
518		86	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		43	43			
518		201	FT	SPECIAL - STEEL DRIP STRIP	201					
518		71	FT	6" PERFORATED CORRUGATED PLASTIC PIPE		35.5	35.5			
518		16	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS		8	8			
530		1	LS	SPECIAL - STRUCTURES (SINGLE SPAN 100'-0" C/C BRG PREFABRICATED PEDESTRIAN TRUSS BRIDGE) SELF-WEATHERING STEEL	1					
601		252	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER		99	153			
611		2	EACH	PRECAST REINFORCED CONCRETE OUTLET				2		
625		1	EACH	STRUCTURE GROUNDING SYSTEM				1		

ALL QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY SHEET

BRIDGE ESTIMATED QUANTITIES
CONTINENTAL PEDESTRIAN TRUSS BRIDGE
OVER UNNAMED CREEK

SFN
NONE

DESIGN AGENCY

RIBWAY ENGINEERING GROUP, INC.
300 E. BROAD ST.
SUITE 500
COLUMBUS, OHIO 43215
PH. NO. (614) 221-6009
FAX NO. (614) 221-9089

DESIGNER
AP

CHECKER
LI

REVIEWER
AE/JC 03/27/24

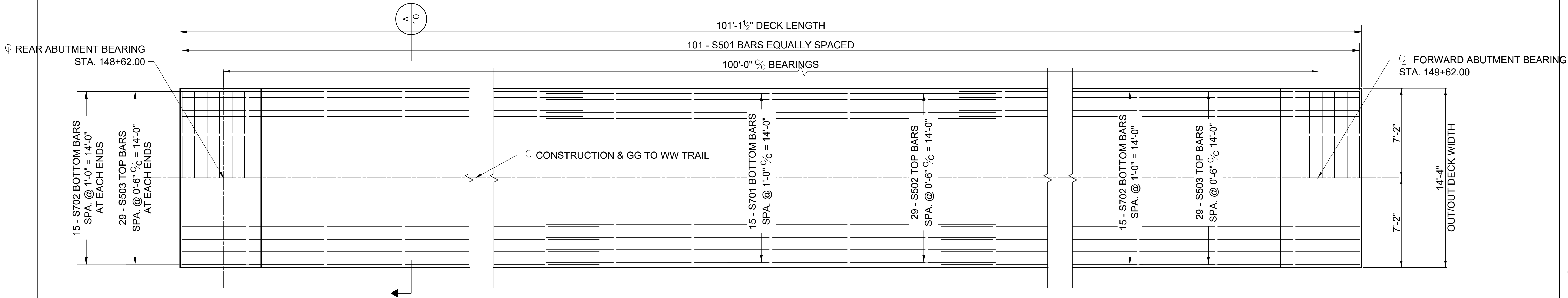
PROJECT ID
117016

SUBSET
6

TOTAL
12

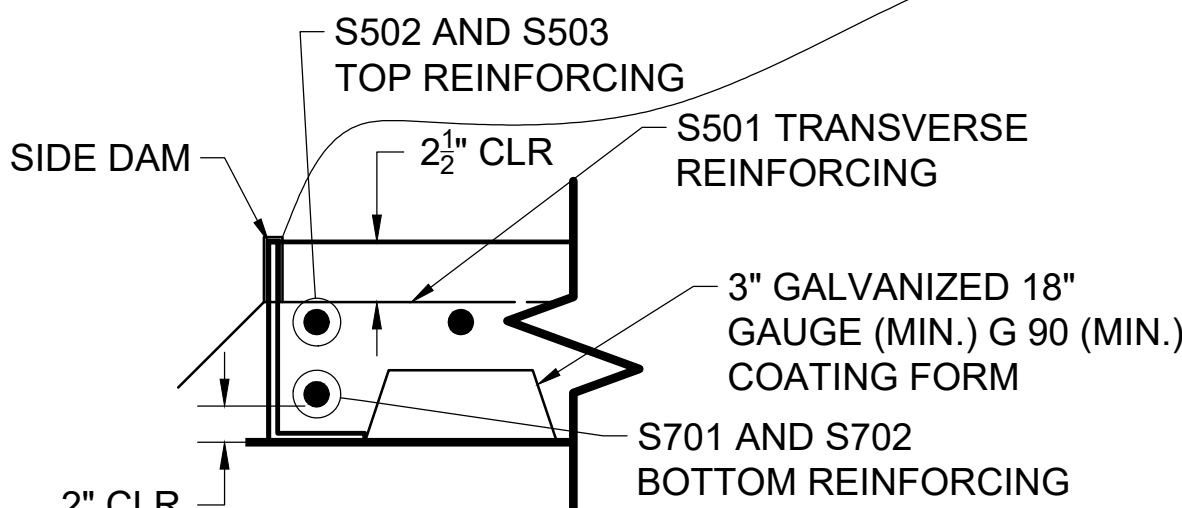
SHEET
293

TOTAL
369



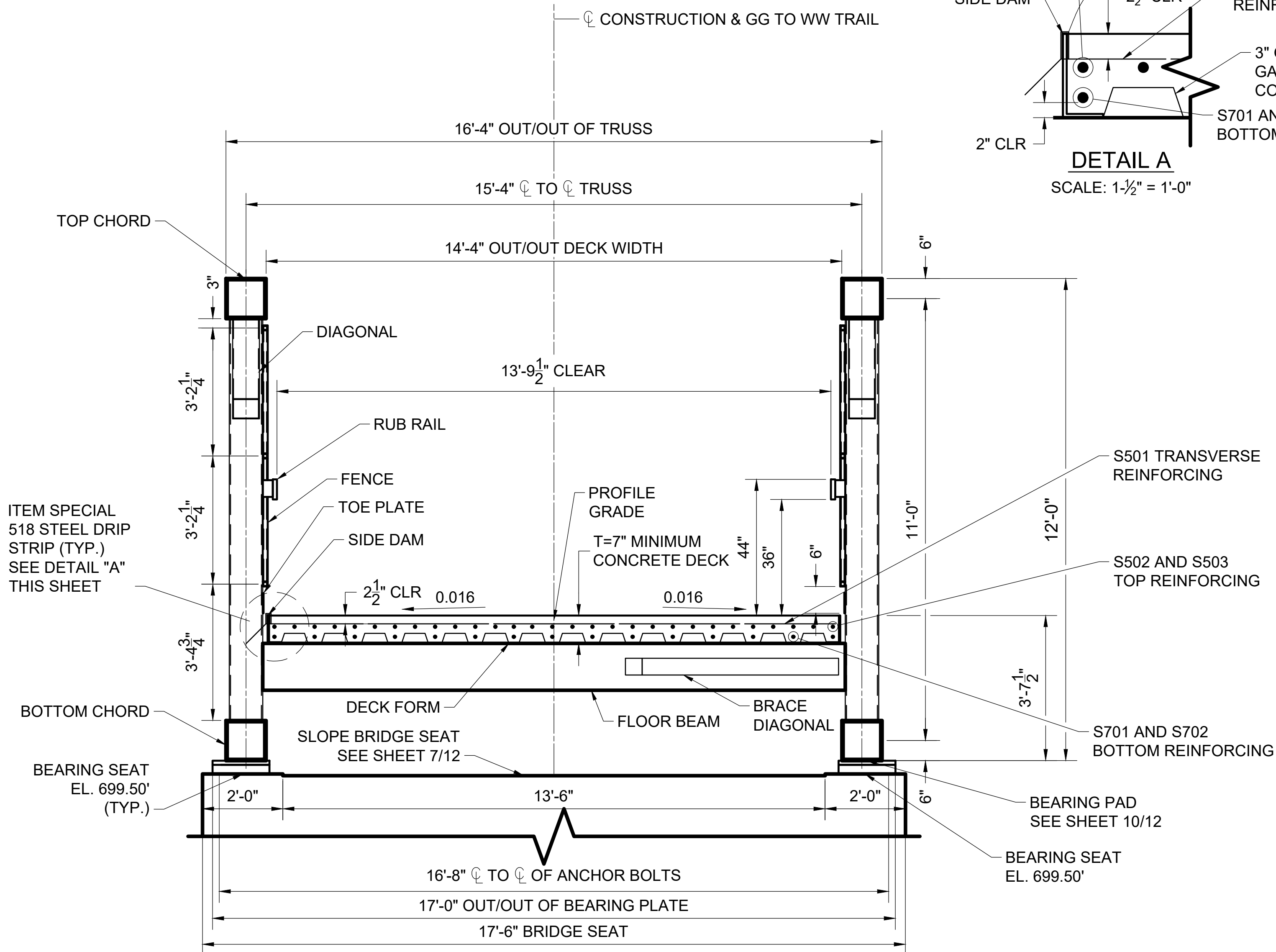
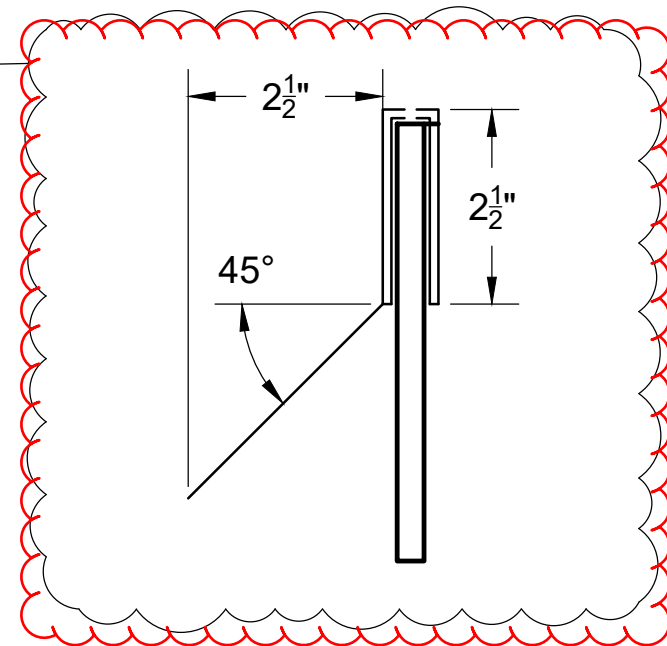
SLAB PLAN

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



DETAIL A

SCALE: 1-1/2" = 1'-0"



TRANSVERSE DECK SECTION

SECTION A

SCALE: 1/2" = 1'-0"

FINISHED TOP OF DECK ELEVATIONS*

	CENTERLINE BRG. REAR ABUT.	0.25L	0.50L	0.75L	CENTERLINE BRG. FWD. ABUT.
STATION	148+62.00	148+87.00	149+01.00	149+26.00	149+62.00
LEFT EDGE OF DECK	702.89	702.89	702.89	702.89	702.89
PROFILE GRADE	703.00	703	703	703	703.00
RIGHT EDGE OF DECK	702.89	702.89	702.89	702.89	702.89

NOTES:

- THE FINISHED DECK ELEVATIONS ARE NOT ADJUSTED FOR DEFLECTION DUE TO DEAD LOAD OF CONCRETE DECK AND STEEL. THE PREFABRICATED BRIDGE DESIGNER MUST PROVIDE SCREED ELEVATIONS THAT WILL RESULT IN FINISHED DECK ELEVATIONS. SHOWN ABOVE.
- FOR DRIP STRIP DETAILS, REFER TO STANDARD DRAWING DS-1-92.
- FIELD BEND TRANSVERSE BARS AS NECESSARY TO FIT THE CROWN OF THE DECK.
- FRACTURE CRITICAL MEMBERS: ALL ITEMS DESIGNATED FCM INCLUDING:
 - WELDED RIGID CONNECTIONS OF FLOOR BEAM CONNECTIONS
 - WELDED FLANGE ATTACHMENTS.
 - INTERSECTING WELDS AT DIAPHRAGMSARE FRACTURE CRITICAL MEMBERS AND COMPONENTS AND SHALL BE FURNISHED AND FABRICATED ACCORDING TO THE REQUIREMENTS OF SECTION 12 OF THE AASHTO/AWS BRIDGE WELDING CODE D1.5.
- PAYMENT FOR THE DECK FORMS ARE INCLUDED WITH ITEM 511 - CLASS QC2 CONCRETE BRIDGE DECK.
- FENCING ON TRUSS PAID WITH ITEM 530 - SPECIAL - STRUCTURE, MISC.