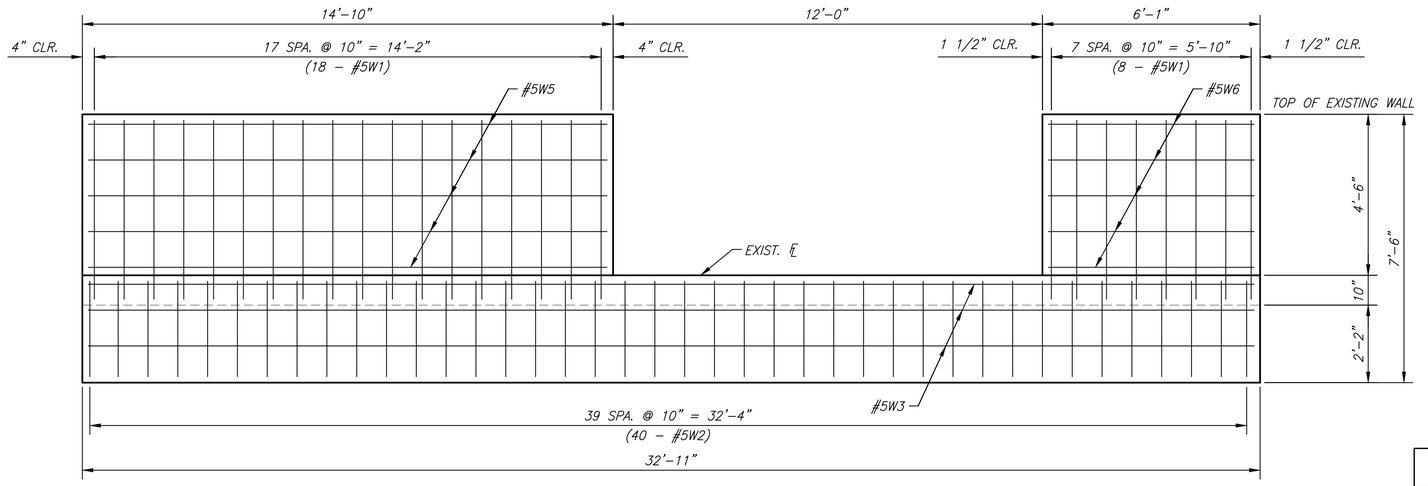
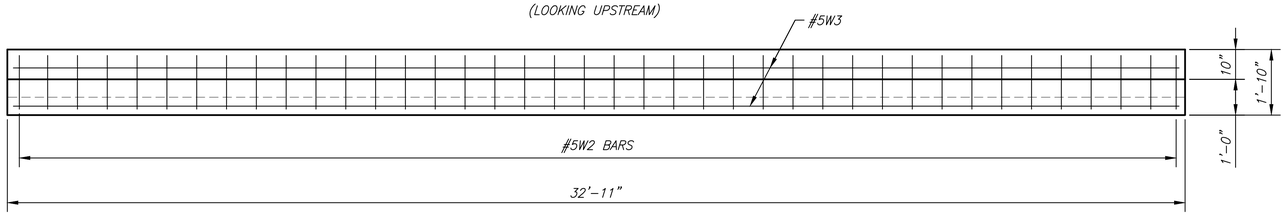
PLOTTED: Thursday, January 20, 2022 @ 06:01PM

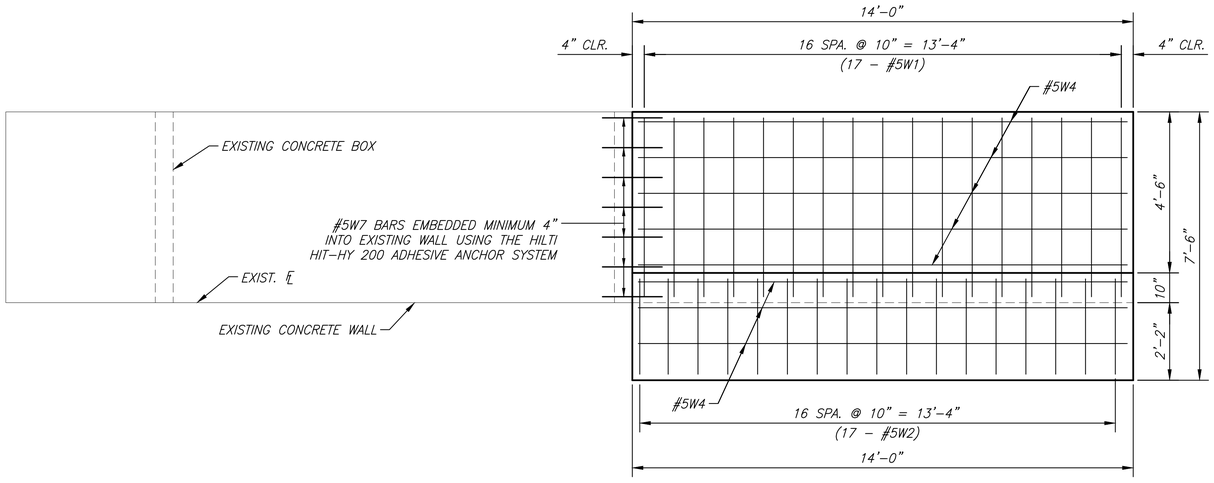


SOUTH ELEVATION
(LOOKING UPSTREAM)



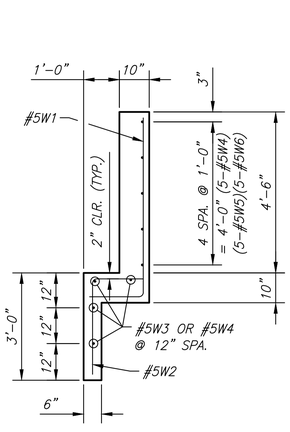
SOUTH FOOTING PLAN
(NORTH FOOTING PLAN SIMILAR)

BRIDGE - SOUTH END DETAILS

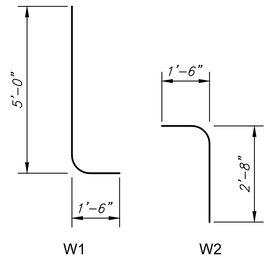


NORTH ELEVATION
(LOOKING DOWNSTREAM)

BRIDGE - NORTH END DETAILS



TYPICAL WALL SECTION
(SOUTH END WALL SECTION SIMILAR)



BAR BENDING DIAGRAMS

GENERAL NOTES

UNIT STRESSES: Grade 4.0 Concrete; f'c = 4,000 p.s.i.
Reinforcing Steel; fy = 60,000 p.s.i.

CONCRETE: Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a ¾ inch triangular moulding.

Prior to casting concrete against a previous casting, all concrete joint surfaces shall have a brush sandblast, power wash, and water soaked prior to casting.

REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. All dimensions relative to reinforcing steel shall be to centerline of bar unless otherwise noted.

All reinforcing shall be certified (certified mill test reports) according to Section 2601, Type "A" certified, at Kansas Department of Transportation, Standard Specification For State Road & Bridge Construction–2015.

BACKFILL WINGWALLS: Use any material found within the project limits except Highly Plastic Clay(s) or organic material. The material is to be compacted to Type B, MR–90. The wingwalls shall be backfilled equally on both sides. Use only hand or walk behind equipment for compaction.

FOR INFORMATION ONLY

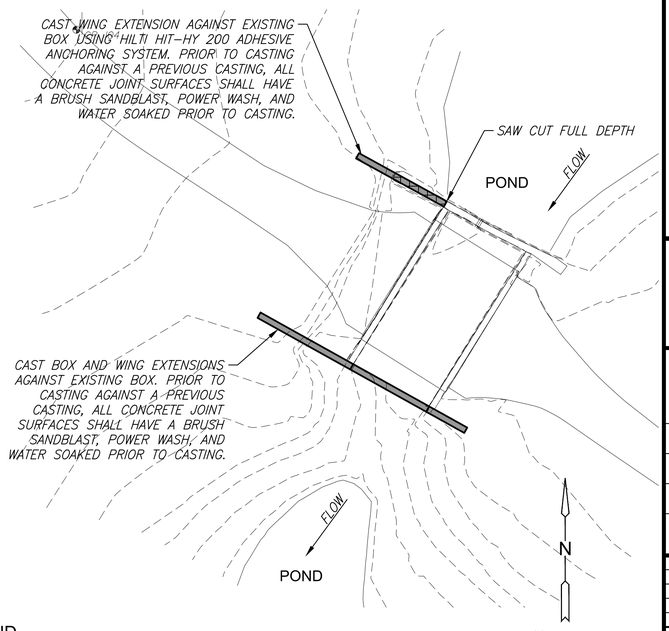
BILL OF REINFORCING STEEL

Straight Bars				Bent Bars			
Mark	Size	No.	Length	Mark	Size	No.	Length
W3	#5	4	32'–5"	W1	#5	43	6'–6"
W4	#5	9	13'–6"	W2	#5	57	4'–2"
W5	#5	5	14'–6"				
W6	#5	5	5'–7"				
W7	#5	7	3'–0"				

FOR INFORMATION ONLY

SUMMARY OF QUANTITIES

Concrete (Grade 4.0)	5.6 C.Y.
Reinforcing Steel (Gr. 60)	930 Lbs.



PROPOSED BRIDGE PLAN

LEGEND

CONCRETE REMOVAL

MKEC
Wichita, KS • 316-684-9600

PLANS FOR

MACDONALD GOLF COURSE DRAINAGE IMPROVEMENTS

WICHITA, KS

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BRIDGE REHABILITATION DETAILS

PROJECT NO.	
DATE	01/20/2022
SCALE	AS SHOWN

DESIGNED	DRAWN	CHECKED
KJS	RAM	KJS

NO.	REVISION	DATE

SHEET NO.
12 OF 24

Sh. No. 12

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