



Kansas

Owner: Larry Heidrick

Practice: 620 Underground Outlet 638 Water and Sediment Control Basin

County: Mitchell County, Kansas

Legal: SW 1/4 30-7-6

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	Specifications
	Operation and Maintenance

Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE) or 811

NLS 12/23
 Designed by Date

I certify that the plans and detailed specifications for this project were developed in accordance with the policies and procedures of the Natural Resources Conservation Service.

NICHOLAS STRAWN

Digitally signed by NICHOLAS STRAWN
 Date: 2024.01.19 12:48:10 -06'00'

Approved by Date

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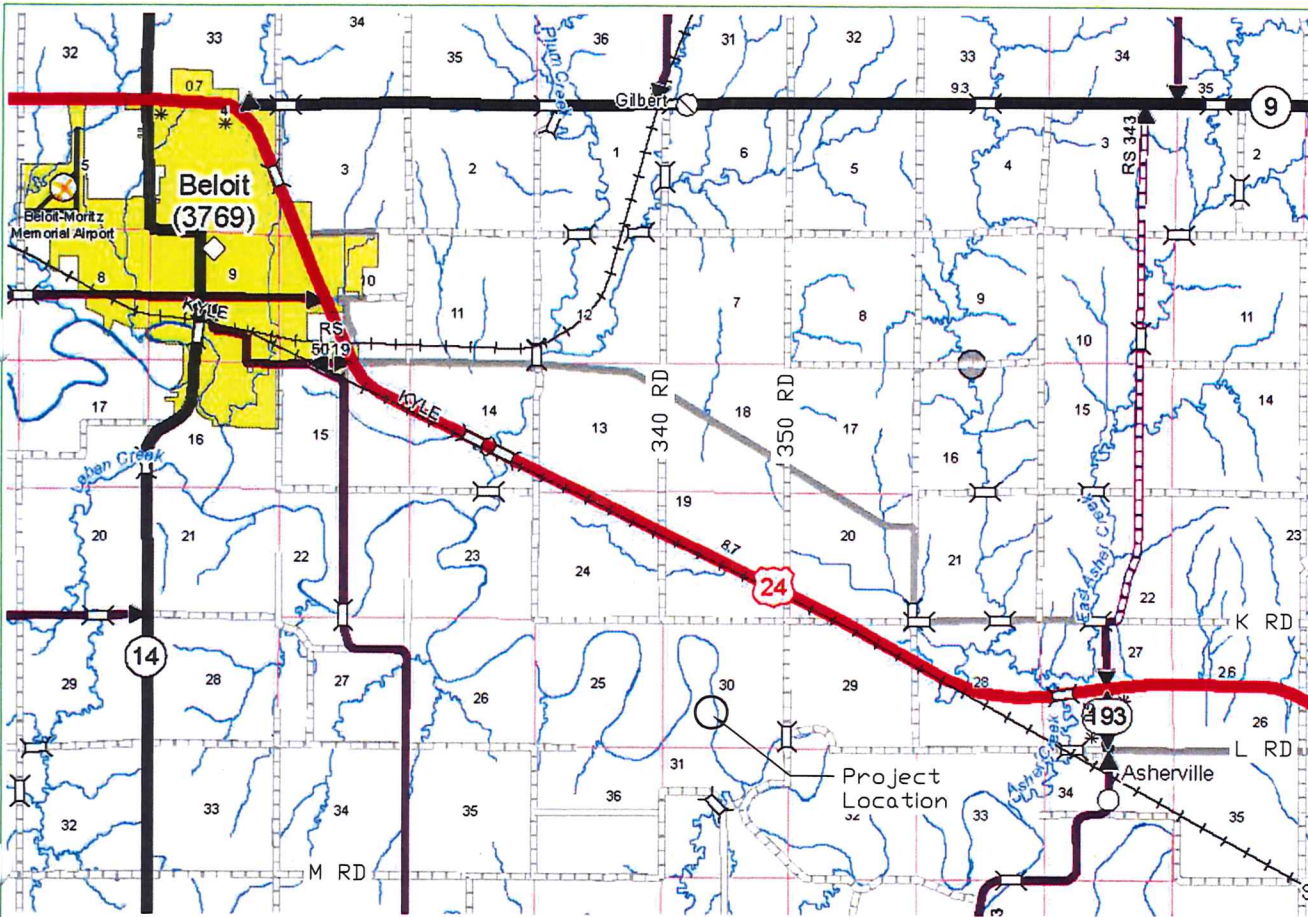


Table Of Quantities			
Item	Unit	Quantity	As Built Quantity
Water and Sediment Control Basin(Earthfill)	C.Y.	1348	
10" SDR 35 PVC Pipe	L.F.	80	
10" Canopy Inlet	EA.	1	
10" Rodent Guard	EA.	1	

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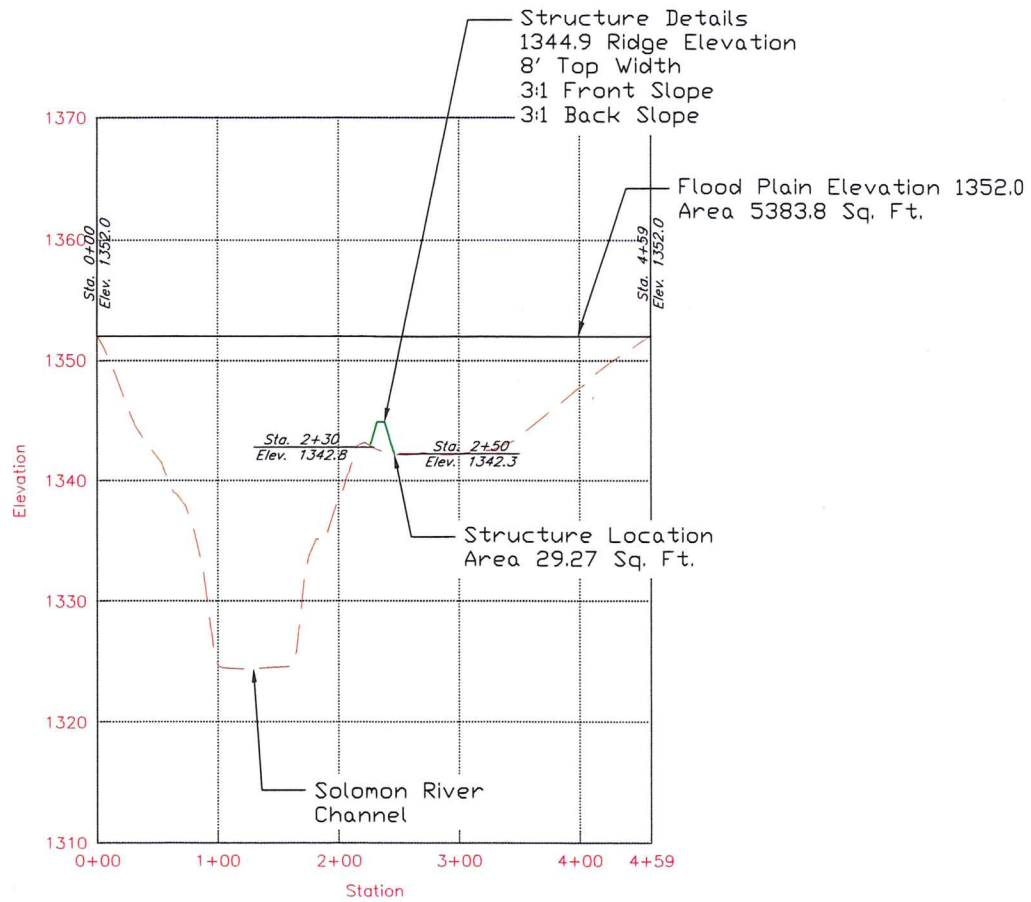
Project Location and Table of Quantities

Date 12/23
 Designed MLS
 Drawn MLS
 Checked MR
 Approved 1/24

Larry Heidrick
 620 - U.O. 638 - W.A.S.C.O.B
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Drawing Name
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 Sheet 2 of 5



Profile View of Flood Plain

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Cross Section

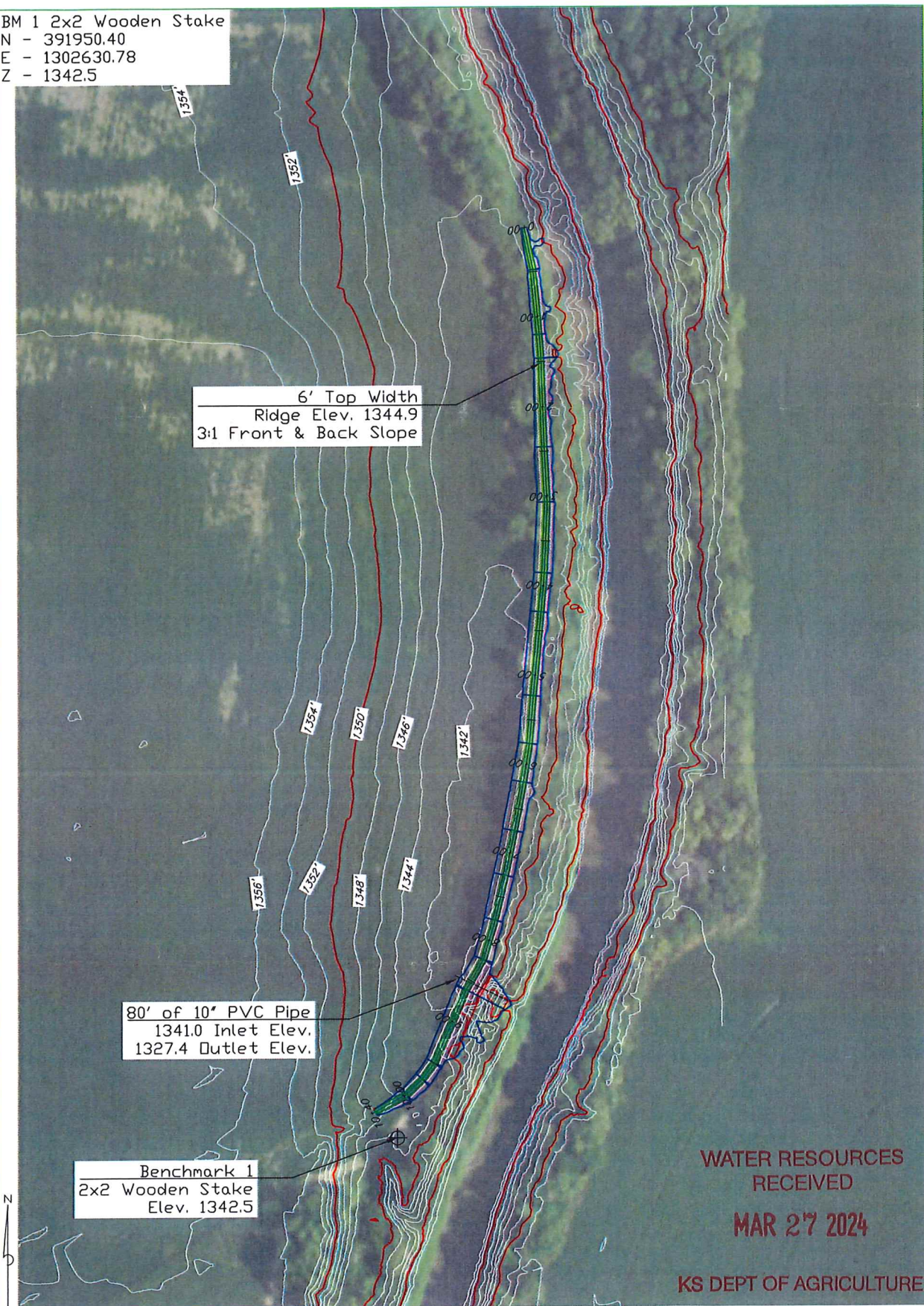
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Drawn	NLS		12/23
Checked	NLS		1/24
Approved			

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 SW 1/4 30-7-6
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BM 1 2x2 Wooden Stake
 N - 391950.40
 E - 1302630.78
 Z - 1342.5



6' Top Width
 Ridge Elev. 1344.9
 3:1 Front & Back Slope

80' of 10" PVC Pipe
 1341.0 Inlet Elev.
 1327.4 Outlet Elev.

Benchmark 1
 2x2 Wooden Stake
 Elev. 1342.5

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Plan View

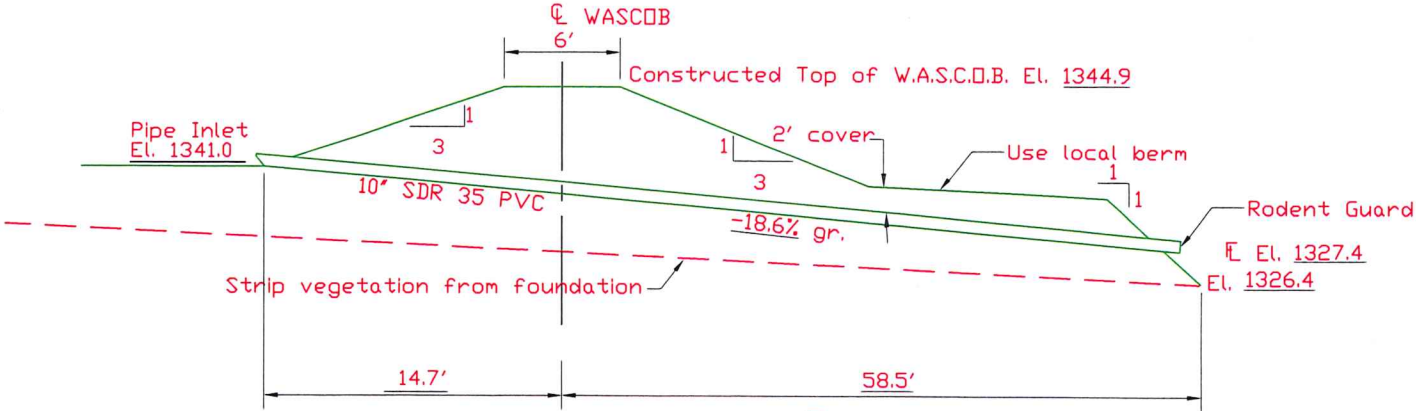
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 Sheet 3 of 5
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 United States Department of Agriculture
 Natural Resources Conservation Service

Larry Heidrick
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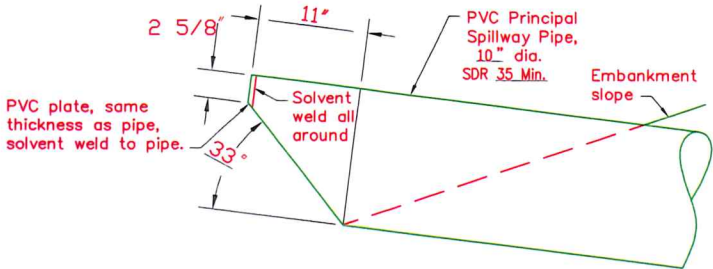
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Drawn	NLS	12/23
Checked	MR	1/24
Approved		

BEFORE ANY INVESTIGATION OR CONSTRUCTION ACTIVITY,
THE EXCAVATOR IS RESPONSIBLE FOR CALLING KANSAS
ONE-CALL AT 800-344-7233 (800-DIG-SAFE)

Locate Principal Spillway At Sta. 8+50



CROSS SECTION OF W.A.S.C.O.B. ALONG CL OF PRINCIPAL SPILLWAY



DETAIL OF PVC CANOPY INLET

- NOTES:
1. Specified SDR pressure-rated PVC pipe shall conform to ASTM D 3034.
 2. Pipe material designation shall be PVC 1120 or 1220.
 3. Fabricate plate using end cap cut to fit and solvent-welded to pipe. Alternative fabrications shall be approved by NRCS.
 4. PVC pipe shall be joined by: gasketed couplings. Solvent-welded couplings are not permitted.

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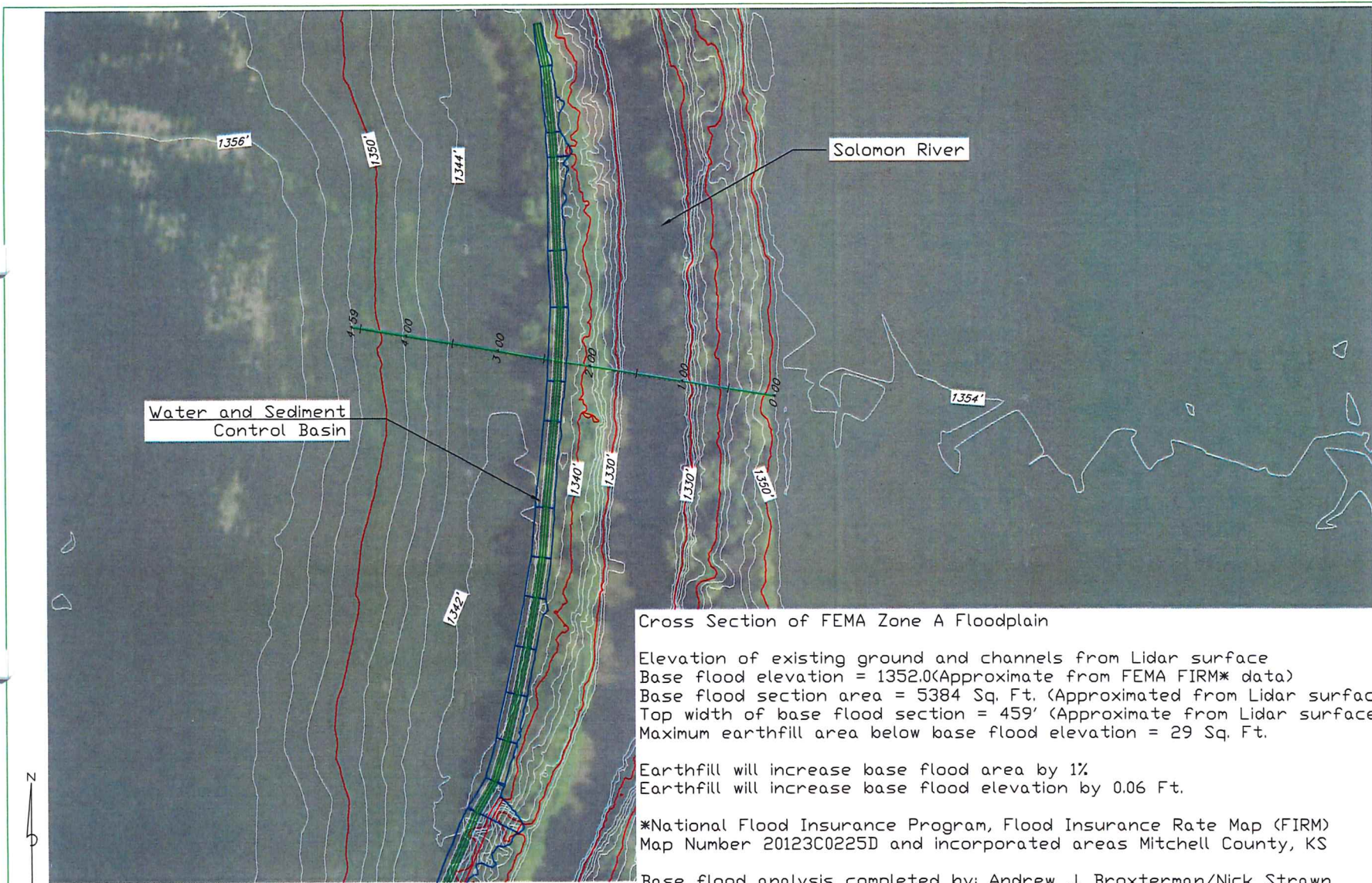
Cross Section

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Checked	MR		1/24
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United States
Department of
Agriculture
USDA
Natural Resources
Conservation Service

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Cross Section of FEMA Zone A Floodplain

Elevation of existing ground and channels from Lidar surface
 Base flood elevation = 1352.0 (Approximate from FEMA FIRM* data)
 Base flood section area = 5384 Sq. Ft. (Approximated from Lidar surface)
 Top width of base flood section = 459' (Approximate from Lidar surface)
 Maximum earthfill area below base flood elevation = 29 Sq. Ft.

Earthfill will increase base flood area by 1%.
 Earthfill will increase base flood elevation by 0.06 Ft.

*National Flood Insurance Program, Flood Insurance Rate Map (FIRM)
 Map Number 20123C0225D and incorporated areas Mitchell County, KS

Base flood analysis completed by: Andrew J. Broxterman/Nick Strawn
 Date: 12/20/2023



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Checked	MLS
Approved	1/24

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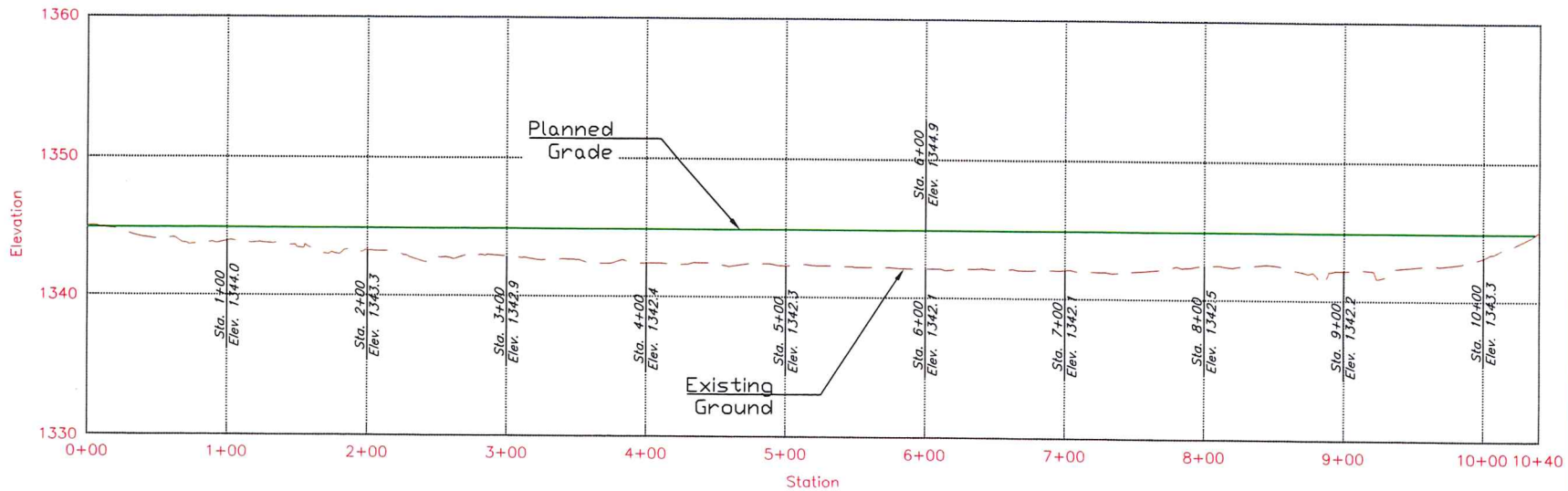


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Plan View



Profile View of W.A.S.C.O.B.

Designed	MLS	Date	12/23
Drawn	MLS	Checked	MR
Checked	MR	Approved	1/24

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Profile

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