

MAP LIBRARY

Open Water Flood Inundation Map Library

Cardston Flood Hazard Study

Submitted to:

Alberta Environment and Parks

11th Floor Oxbridge Place
9820 - 106 St. N.W.
Edmonton, AB, T5K 2J6

Submitted by:

Golder Associates Ltd.

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19117525-026-R-Rev0

March 2020

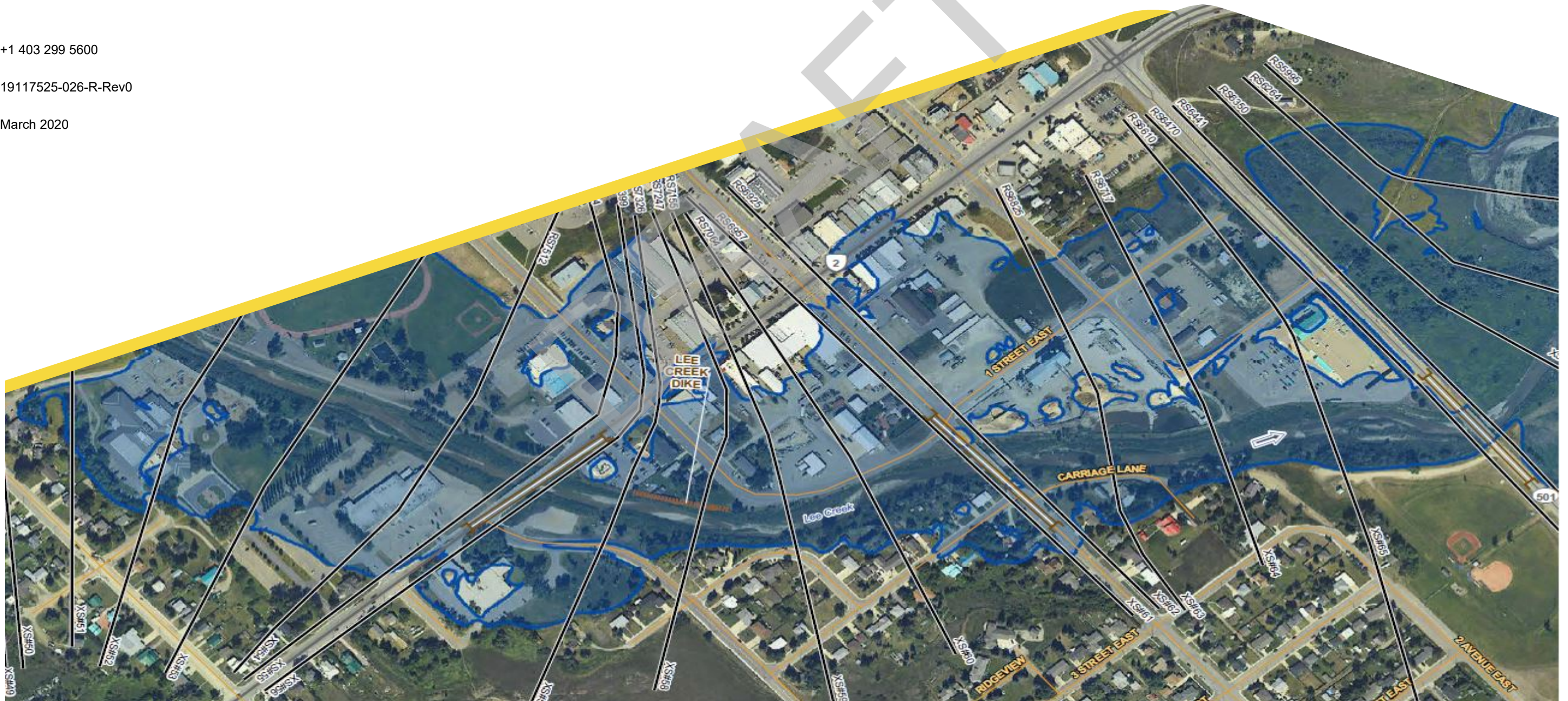
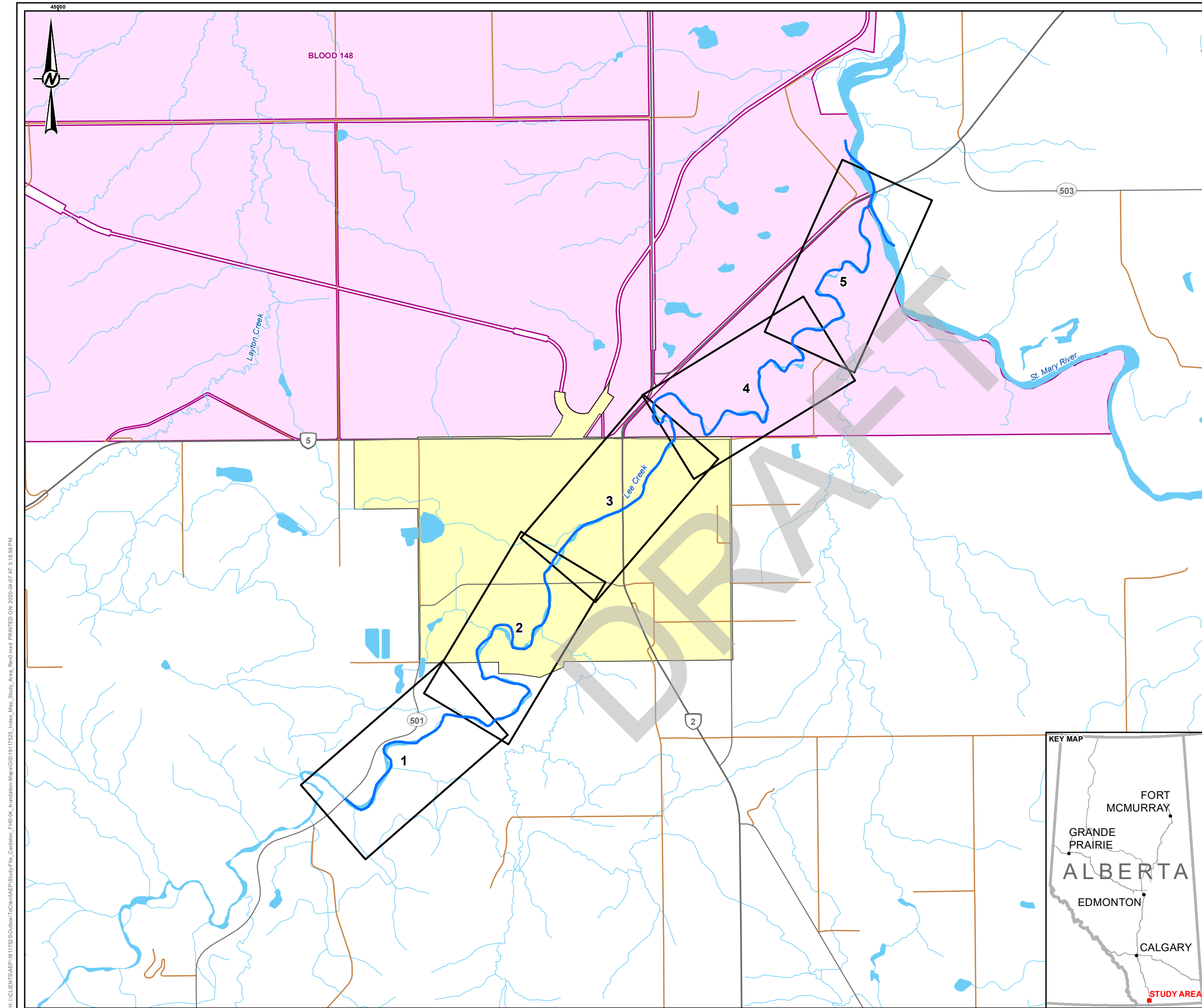


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- 75-Year Flood Inundation Extent
- 100-Year Flood Inundation Extent
- 200-Year Flood Inundation Extent
- 350-Year Flood Inundation Extent
- 500-Year Flood Inundation Extent
- 750-Year Flood Inundation Extent
- 1000-Year Flood Inundation Extent

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LEGEND

- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- FIRST NATION RESERVE
- POPULATED PLACE
- SURVEY REACH
- MAPBOOK EXTENT

0 1 2
1:40,000 KILOMETRES

NOTE(S)

1. PLEASE REFER TO THE ACCOMPANYING **CARDSTON FLOOD HAZARD STUDY REPORT** (ISSUED MARCH 2020) FOR IMPORTANT INFORMATION CONCERNING THESE MAPS.
2. TO DETERMINE WHETHER OR NOT A PARTICULAR SITE IS SUBJECT TO FLOODING, REFERENCE SHOULD BE MADE TO THE COMPUTED FLOOD LEVELS IN CONJUNCTION WITH SITE-SPECIFIC SURVEYS WHERE DETAILED DEFINITION IS REQUIRED.
3. NON-RIVERINE AND LOCAL SOURCES OF WATER HAVE NOT BEEN CONSIDERED. CHANNEL OBSTRUCTION, LOCAL STORMWATER INFLOW, GROUNDWATER SEEPAGE OR OTHER LAND DRAINAGE CAN CAUSE FLOOD LEVELS TO EXCEED THOSE INDICATED ON THE MAP. LANDS ADJACENT TO A FLOODED AREA MAY BE SUBJECT TO FLOODING FROM TRIBUTARY STREAMS NOT INDICATED ON THE MAPS.
4. LINE WORK FOR BRIDGES AND FLOOD CONTROL STRUCTURES IS SHOWN ABOVE FLOOD INUNDATION AREAS, EVEN IN CASES WHERE BRIDGES OR FLOOD CONTROL STRUCTURES ARE INUNDATED.

DEFINITIONS:

FLOOD INUNDATION MAPPING - DELINEATES FLOOD INUNDATION AREAS, SHOWING THE EXTENT OF ONE OR MORE FLOOD SCENARIOS UNDER EXISTING CONDITIONS. DEPENDING ON THE PARTICULAR FLOOD SCENARIO, THE MAPPING MAY BE DIVIDED INTO MULTIPLE ZONES. FLOOD INUNDATION MAPPING IS TYPICALLY USED FOR NEAR REAL-TIME EMERGENCY RESPONSE PLANNING AND OPERATIONS.

FLOOD INUNDATION AREA - THE AREA INUNDATED DURING A PARTICULAR FLOOD SCENARIO UNDER EXISTING CONDITIONS. THE FLOOD INUNDATION AREA MAY BE DIVIDED INTO MULTIPLE ZONES, INCLUDED AREAS INUNDATED DUE TO POTENTIAL FLOOD CONTROL STRUCTURE FAILURE. FLOOD INUNDATION AREAS MAY CHANGE AS A RESULT OF FUTURE DEVELOPMENT OR FLOW OBSTRUCTIONS.

FLOOD SCENARIO - FLOW CONDITIONS THAT DESCRIBE A PARTICULAR FLOOD EVENT. FLOOD SCENARIOS TYPICALLY REPRESENT A RANGE OF FLOWS, BASED EITHER ON FLOOD FREQUENCY ANALYSIS OR SET FLOW INTERVALS. THE FLOOD SCENARIOS INCLUDED WITH THIS MAP SET INCLUDE THE 2-YEAR, 5-YEAR, 10-YEAR, 20-YEAR, 35-YEAR, 50-YEAR, 75-YEAR, 100-YEAR, 200-YEAR, 350-YEAR, 500-YEAR, 750-YEAR AND 1000-YEAR FLOOD EVENTS.

REFERENCE(S)

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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
OPEN WATER FLOOD INUNDATION INDEX MAP

CONSULTANT	YYYY-MM-DD	2020-03-30
DESIGNED	PH	
PREPARED	SK	
REVIEWED	HKG	
APPROVED	WP	

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	F-1



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SHEETS 1-5

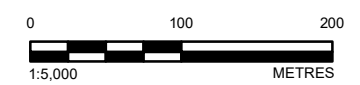
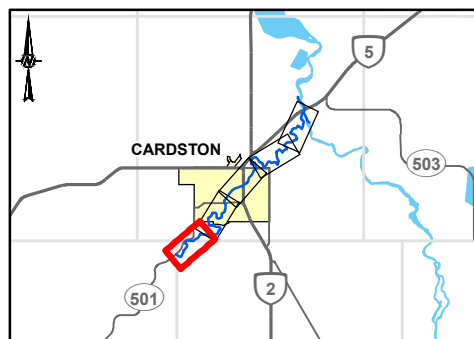
2-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- BRIDGE
- 2-YEAR FLOOD INUNDATION EXTENT
- 2-YEAR FLOOD EXTENT
- 2-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE
LEE CREEK FLOW = 23 M³/S



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PREPARED	SK/AL
REVIEWED	HKG
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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 2-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 1 OF 5

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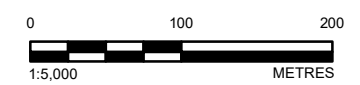
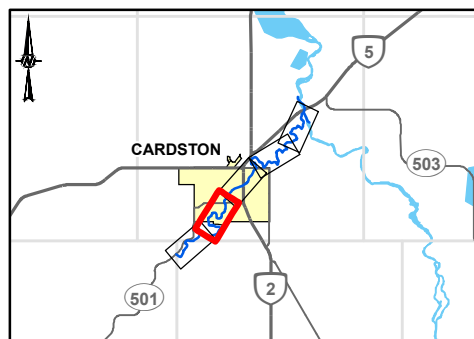


SHEET 1 ↑

↓ SHEET 3

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LEGEND	CROSS SECTION	FLOOD CONTROL STRUCTURE	2-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	2-YEAR FLOOD EXTENT	2-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304 RIVER STATION (M)	BRIDGE	STUDY BOUNDARY	DISCHARGE
FLOW DIRECTION		LOCAL ROAD	LEE CREEK FLOW = 23 M ³ /S
PRIMARY HIGHWAY		SECONDARY HIGHWAY	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
2-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5

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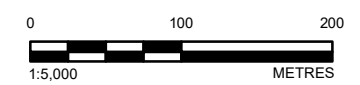
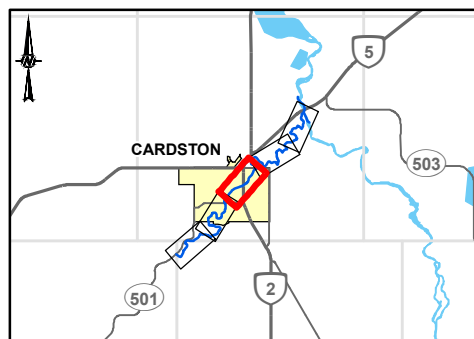


SHEET 2 ↑

↓ SHEET 4

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 2-YEAR FLOOD INUNDATION EXTENT
 - 2-YEAR FLOOD EXTENT
 - 2-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE
LEE CREEK FLOW = 23 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
2-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5

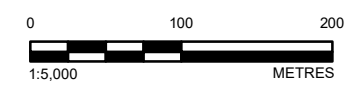
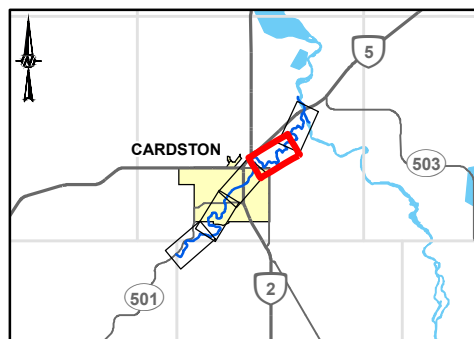
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SHEET 3 ↑

↓ SHEET 5

LEGEND		
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XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	2-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	2-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 23 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
2-YEAR FLOOD INUNDATION EXTENT

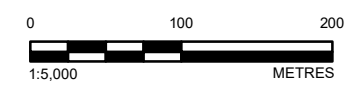
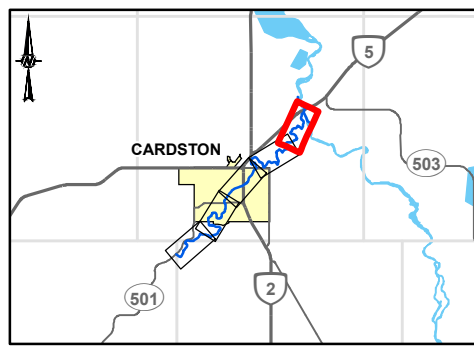
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SHEET 4 ↑



LEGEND	CROSS SECTION	FLOOD CONTROL STRUCTURE	2-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	2-YEAR FLOOD EXTENT	
RS 304 RIVER STATION (M)	BRIDGE	2-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)	
STUDY BOUNDARY			
FLOW DIRECTION			
LOCAL ROAD			
PRIMARY HIGHWAY			
SECONDARY HIGHWAY			
	DISCHARGE		
	LEE CREEK FLOW = 23 M ³ /S		



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PROJECT
 CARDSTON FLOOD HAZARD STUDY

TITLE
2-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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SHEETS 1-5

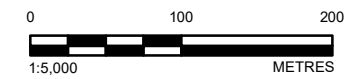
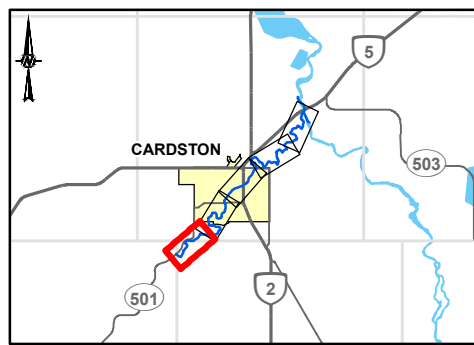
5-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- BRIDGE
- 5-YEAR FLOOD INUNDATION EXTENT
- 5-YEAR FLOOD EXTENT
- 5-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE
LEE CREEK FLOW = 62 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
5-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5

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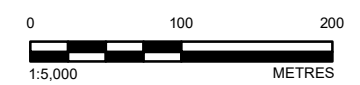
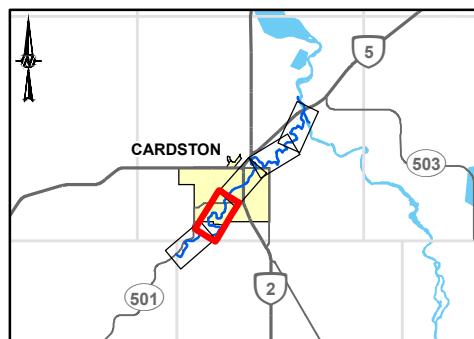
SHEET 1 ↑

↓ SHEET 3

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LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
▬▬▬	STUDY BOUNDARY
➔	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
▬▬▬▬	FLOOD CONTROL STRUCTURE
⌈—⌋	BRIDGE
▬▬▬	5-YEAR FLOOD INUNDATION EXTENT
▬▬▬	5-YEAR FLOOD EXTENT
▬▬▬	5-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 62 M ³ /S	



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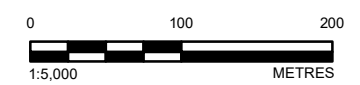
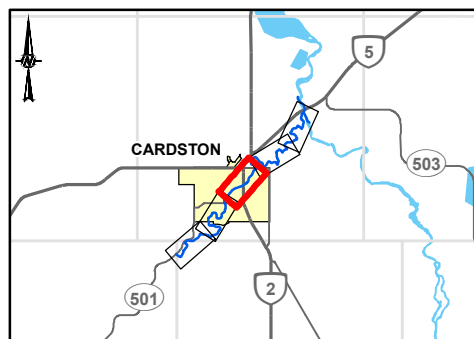
PROJECT
 CARDSTON FLOOD HAZARD STUDY

TITLE
5-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5



- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 5-YEAR FLOOD INUNDATION EXTENT**
 - 5-YEAR FLOOD EXTENT
 - 5-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 62 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
5-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5

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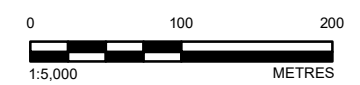
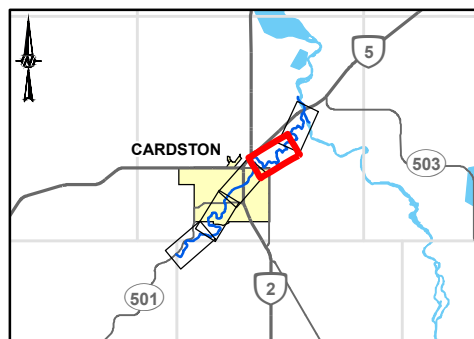
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SHEET 3 ↑

↓ SHEET 5

LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	5-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	5-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304 RIVER STATION (M)	BRIDGE	
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 62 M ³ /S	



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 5-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5

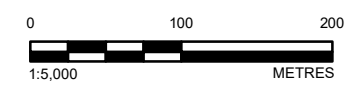
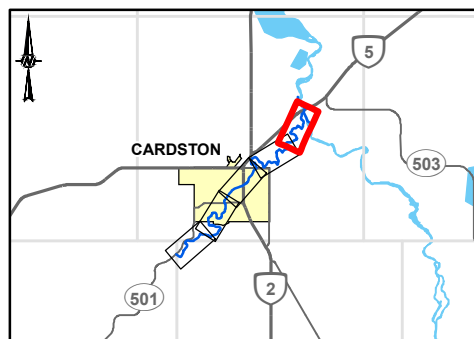
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	5-YEAR FLOOD INUNDATION EXTENT
■	5-YEAR FLOOD EXTENT
■	5-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 62 M ³ /S	



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PREPARED	SK/AL
REVIEWED	HKG
APPROVED	WP

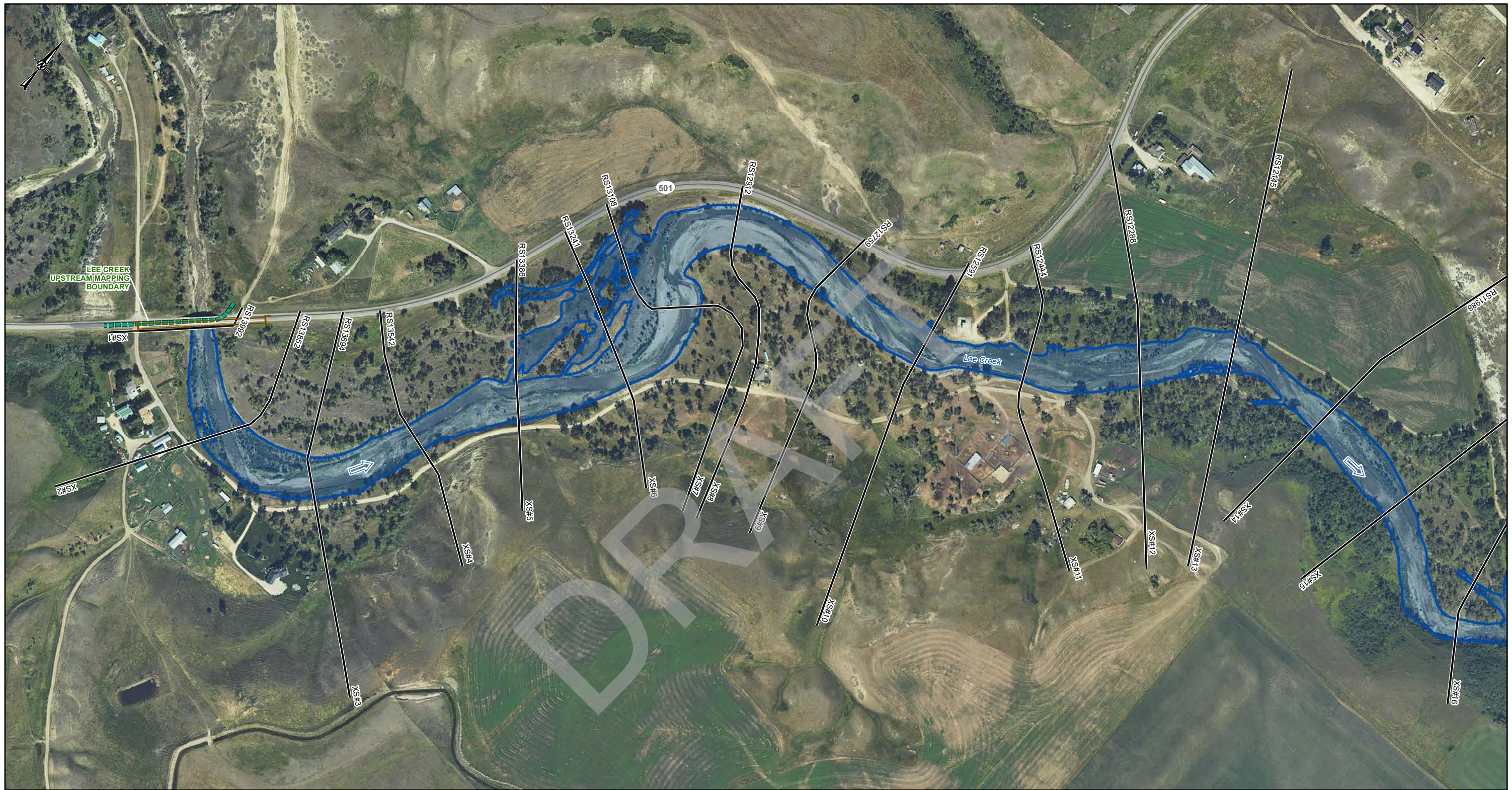
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PROJECT			
CARDSTON FLOOD HAZARD STUDY			
TITLE			
5-YEAR FLOOD INUNDATION EXTENT			
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

DRAFT

SHEETS 1-5

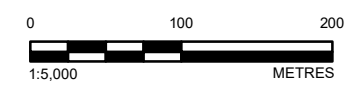
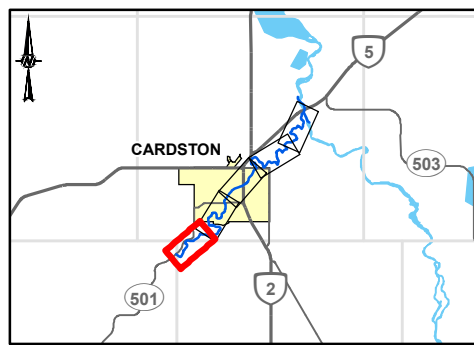
10-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- HYDRAULIC STRUCTURES
- BRIDGE
- 10-YEAR FLOOD INUNDATION EXTENT
- 10-YEAR FLOOD EXTENT
- 10-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE
LEE CREEK FLOW = 105 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
10-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5

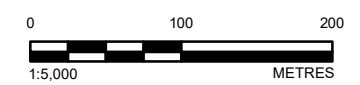
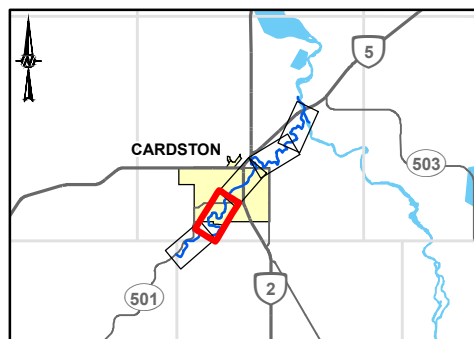
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SHEET 1 ↑

↓ SHEET 3

LEGEND	CROSS SECTION	FLOOD CONTROL STRUCTURE	10-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	10-YEAR FLOOD EXTENT	10-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304 RIVER STATION (M)	BRIDGE	STUDY BOUNDARY	DISCHARGE
FLOW DIRECTION		PRIMARY HIGHWAY	LEE CREEK FLOW = 105 M ³ /S
LOCAL ROAD		SECONDARY HIGHWAY	



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PROJECT
 CARDSTON FLOOD HAZARD STUDY

CONSULTANT	YYYY-MM-DD	2020-03-16
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	PREPARED	SK/AL
	REVIEWED	HKG
	APPROVED	WP

TITLE
10-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/B



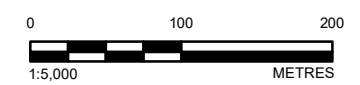
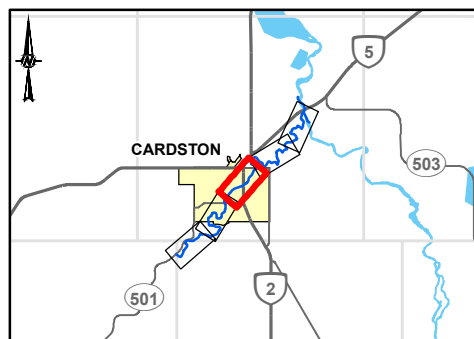
SHEET 2 ↑

↓ SHEET 4

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 10-YEAR FLOOD INUNDATION EXTENT**
 - 10-YEAR FLOOD EXTENT
 - 10-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 105 M³/S



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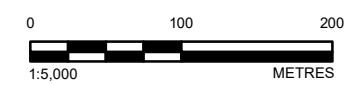
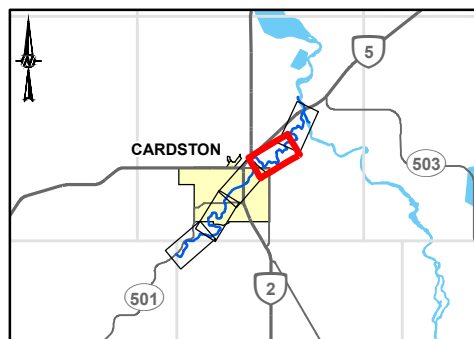
PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
10-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
■	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	10-YEAR FLOOD INUNDATION EXTENT
■	10-YEAR FLOOD EXTENT
■	10-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 105 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

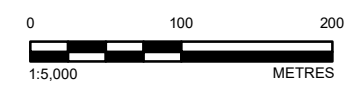
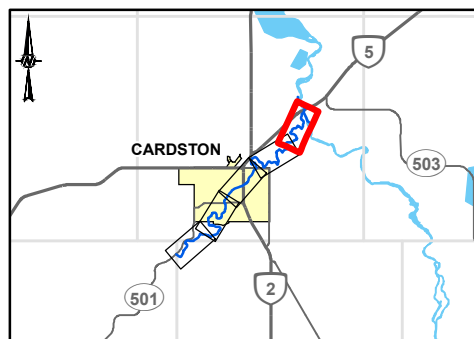
TITLE
10-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5

SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	10-YEAR FLOOD INUNDATION EXTENT
■	10-YEAR FLOOD EXTENT
■	10-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 105 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

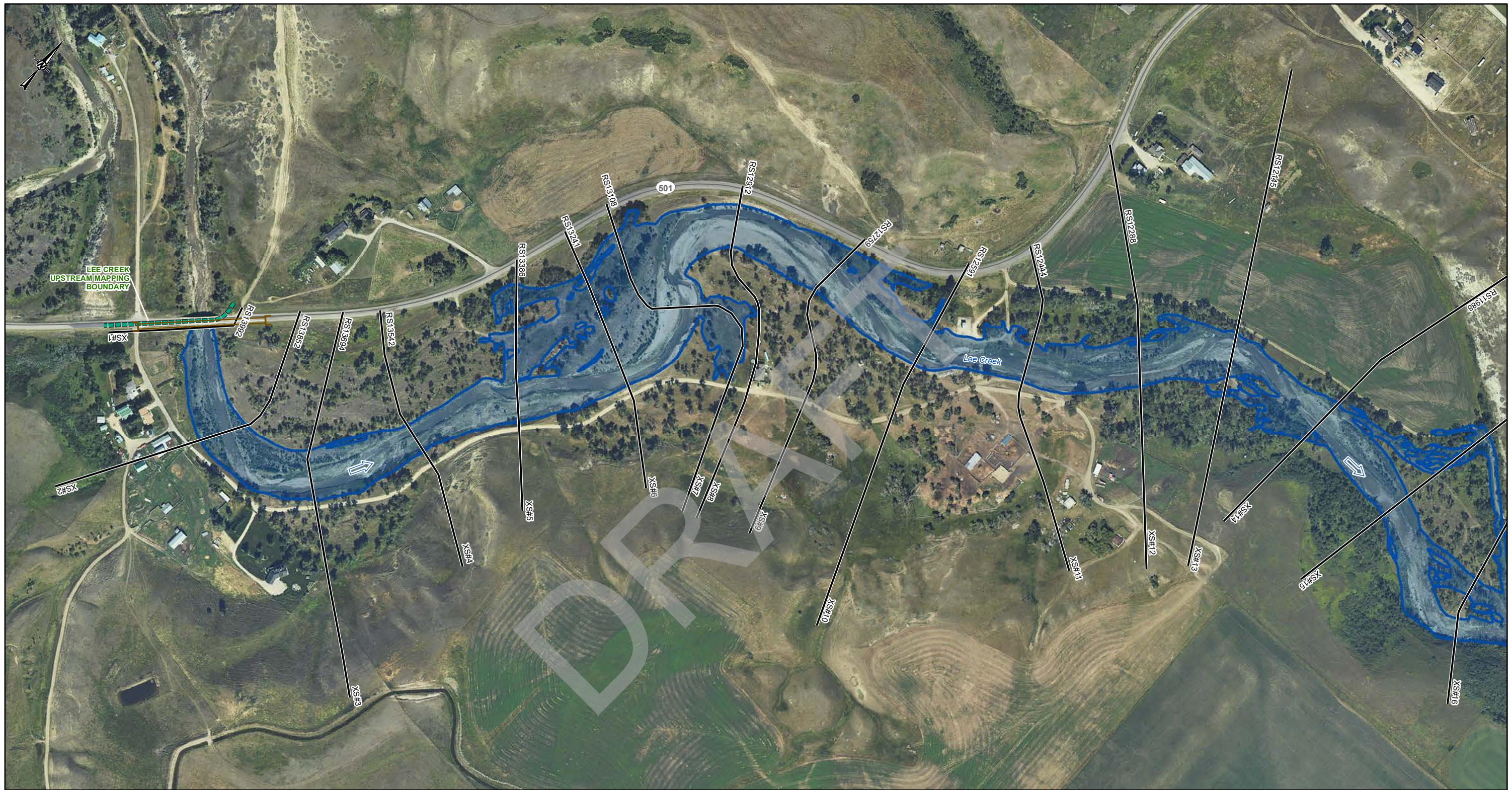
TITLE
10-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

DRAFT

SHEETS 1-5

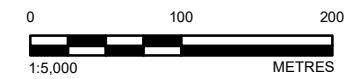
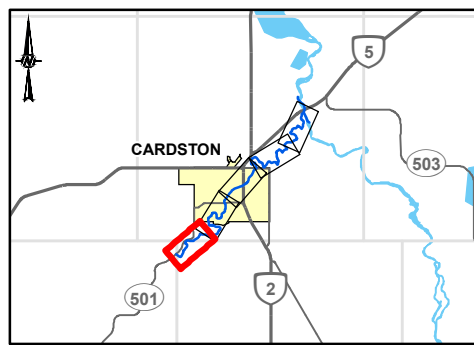
20-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- BRIDGE
- 20-YEAR FLOOD INUNDATION EXTENT
- 20-YEAR FLOOD EXTENT
- 20-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE
LEE CREEK FLOW = 163 M³/S



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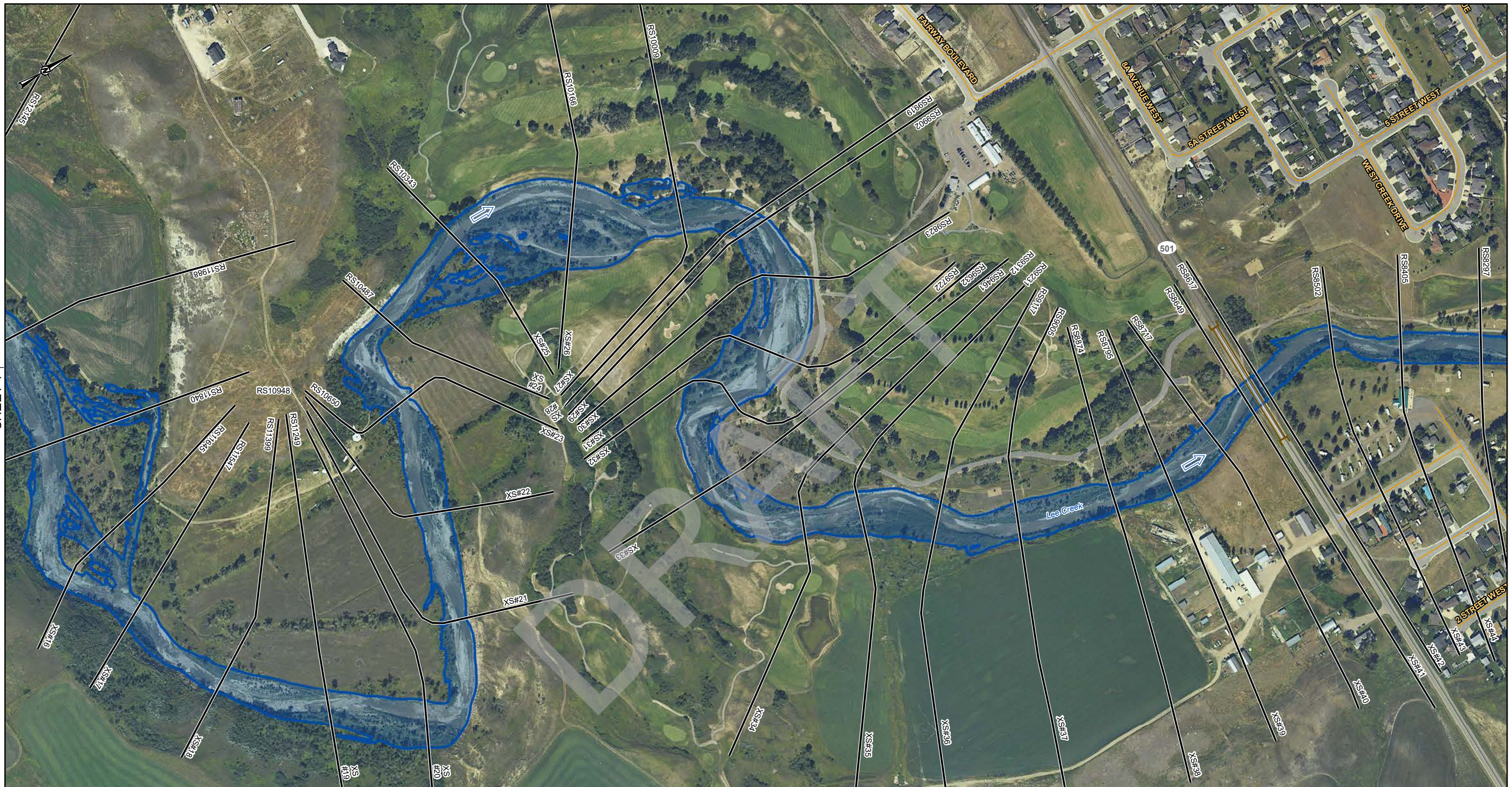
PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
20-YEAR FLOOD INUNDATION EXTENT

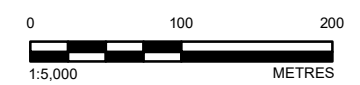
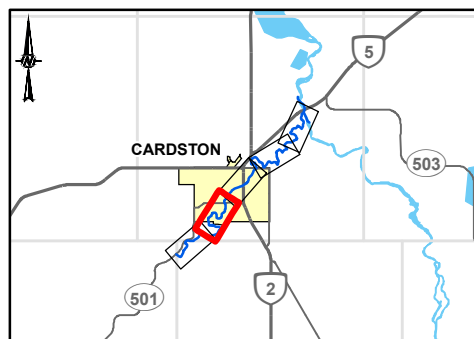
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - ▭ STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - ▬ BRIDGE
 - ▭ 20-YEAR FLOOD INUNDATION EXTENT
 - ▭ 20-YEAR FLOOD EXTENT
 - ▭ 20-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE**
LEE CREEK FLOW = 163 M³/S



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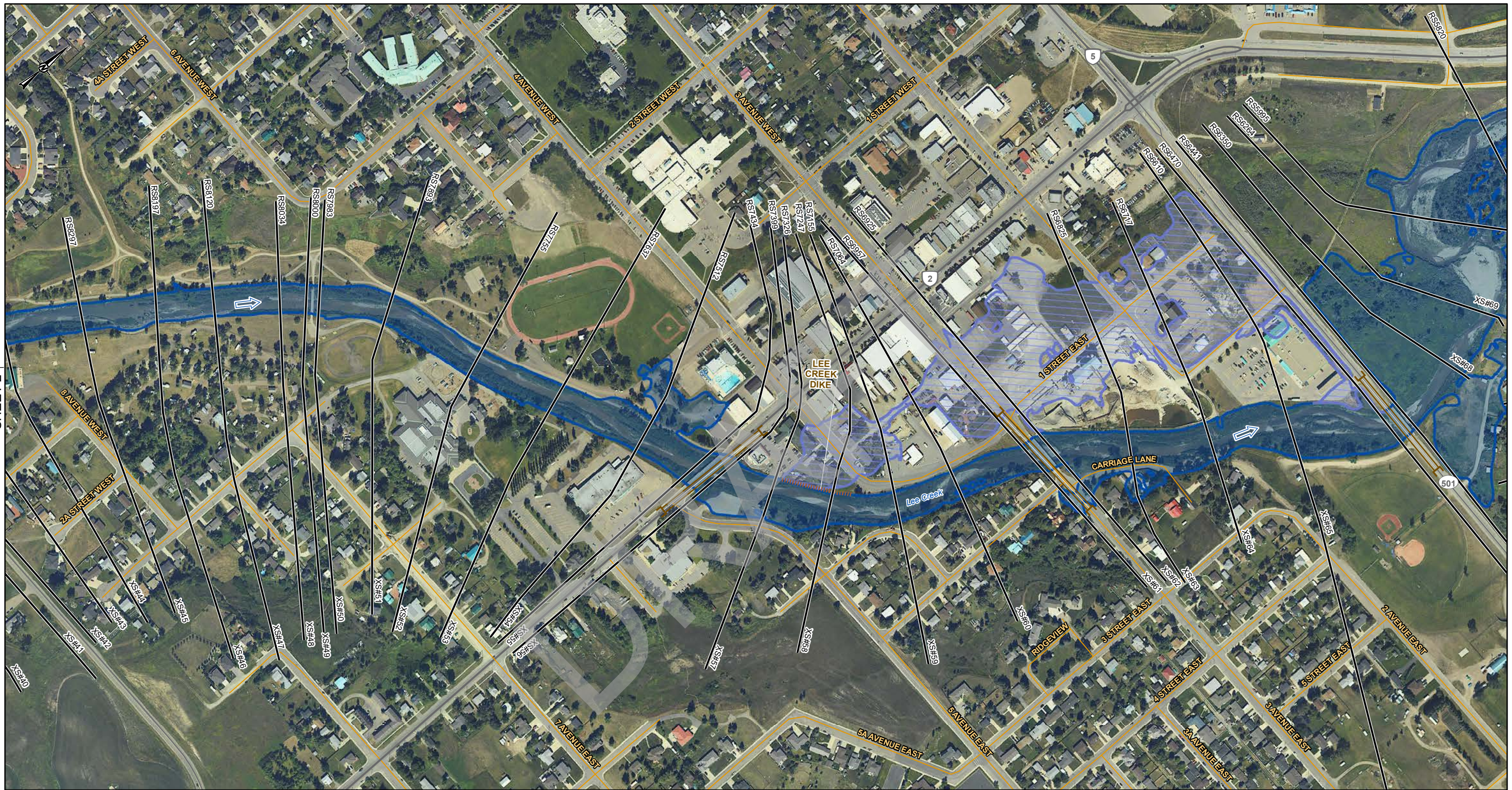
PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
20-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5

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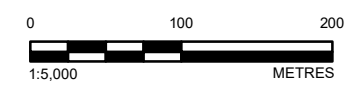
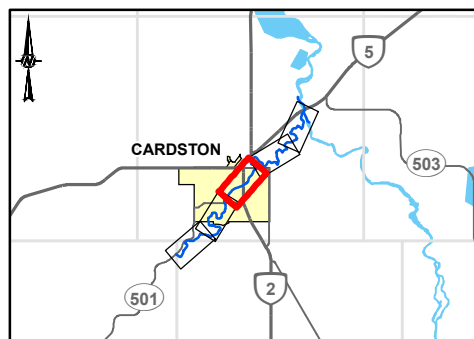
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SHEET 2 ↑

↓ SHEET 4

LEGEND	
	CROSS SECTION
	FLOOD CONTROL STRUCTURE
	20-YEAR FLOOD INUNDATION EXTENT
	20-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	STUDY BOUNDARY
	FLOW DIRECTION
	LOCAL ROAD
	PRIMARY HIGHWAY
	SECONDARY HIGHWAY
	BRIDGE
	DISCHARGE
	LEE CREEK FLOW = 163 M ³ /S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
20-YEAR FLOOD INUNDATION EXTENT

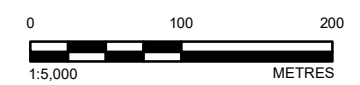
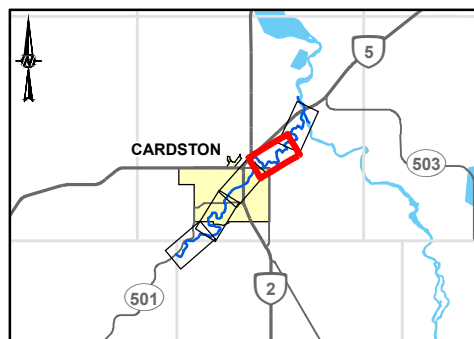
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5



SHEET 3 ↑

↓ SHEET 5

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
▬▬▬	FLOOD CONTROL STRUCTURE
▬▬▬	HYDRAULIC STRUCTURES
▬▬▬	BRIDGE
▬▬▬	STUDY BOUNDARY
➔	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
▬▬▬	20-YEAR FLOOD INUNDATION EXTENT
▬▬▬	20-YEAR FLOOD EXTENT
▬▬▬	20-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 163 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

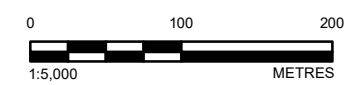
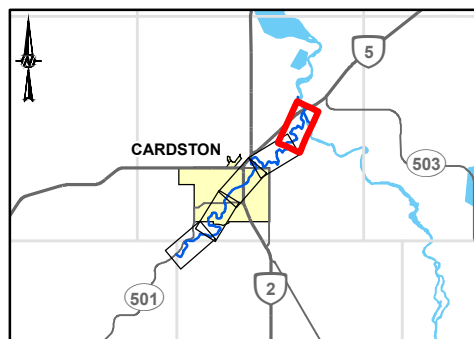
TITLE
20-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5

SHEET 4 ↑



LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	20-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	▭ 20-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	▬ BRIDGE	▭ 20-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
▬ STUDY BOUNDARY		
➡ FLOW DIRECTION		
— LOCAL ROAD		
— PRIMARY HIGHWAY		
— SECONDARY HIGHWAY		
		DISCHARGE
		LEE CREEK FLOW = 163 M ³ /S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

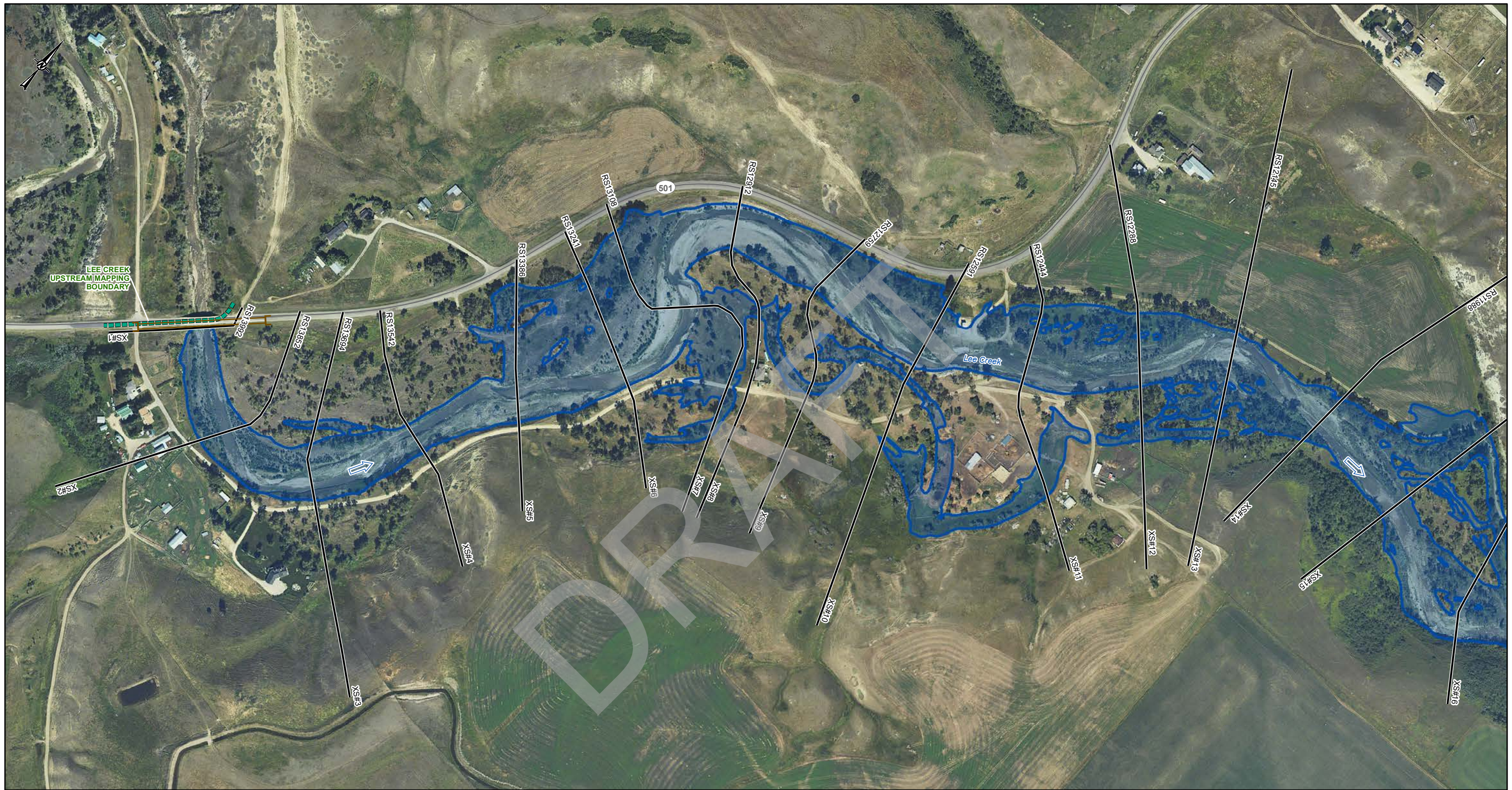
TITLE
20-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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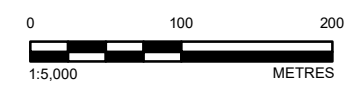
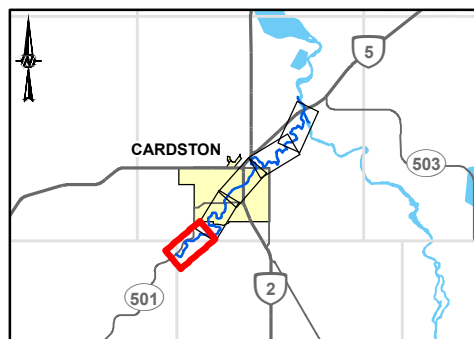
SHEETS 1-5

35-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES
RS 304 RIVER STATION (M)	— BRIDGE
▬ STUDY BOUNDARY	
➔ FLOW DIRECTION	
— LOCAL ROAD	
— PRIMARY HIGHWAY	
— SECONDARY HIGHWAY	
	35-YEAR FLOOD INUNDATION EXTENT
	■ 35-YEAR FLOOD EXTENT
	■ 35-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	DISCHARGE
	LEE CREEK FLOW = 223 M ³ /S



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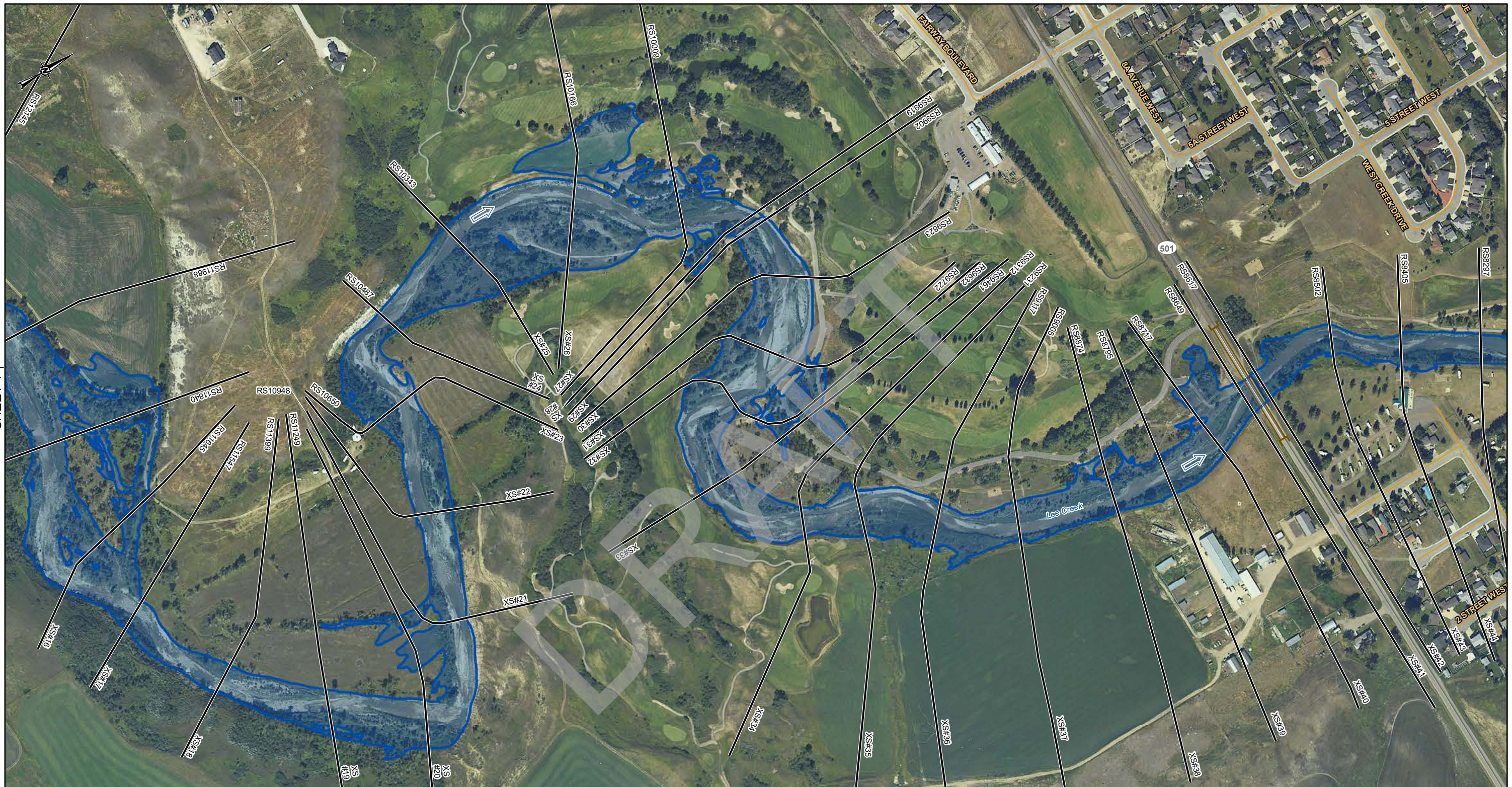


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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
35-YEAR FLOOD INUNDATION EXTENT

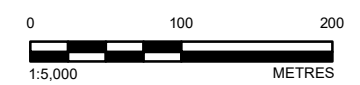
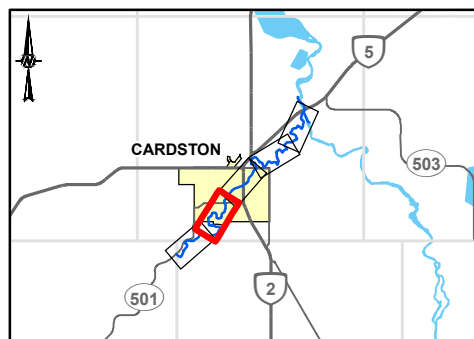
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



SHEET 1 ↑

↓ SHEET 3

LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	 35-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 35-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	 35-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 223 M ³ /S	



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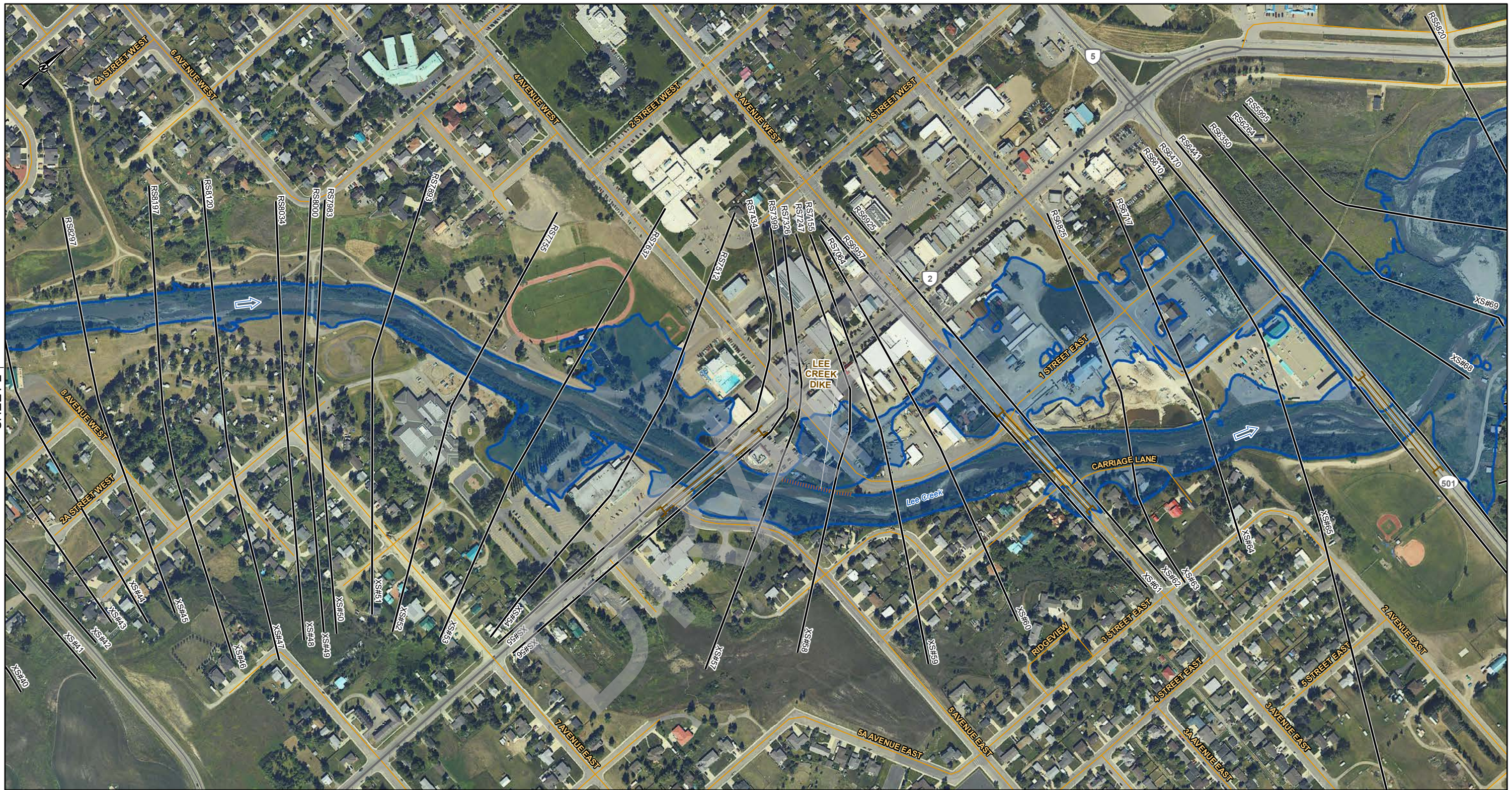


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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 35-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 2 OF 5

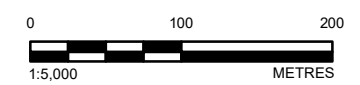
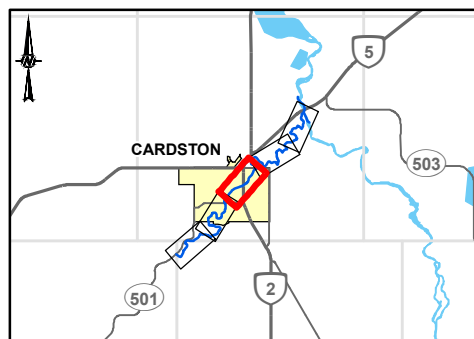


SHEET 2 ↑

↓ SHEET 4

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - BRIDGE
 - 35-YEAR FLOOD INUNDATION EXTENT**
 - 35-YEAR FLOOD EXTENT
 - 35-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 223 M³/S



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 35-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 3 OF 5



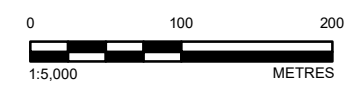
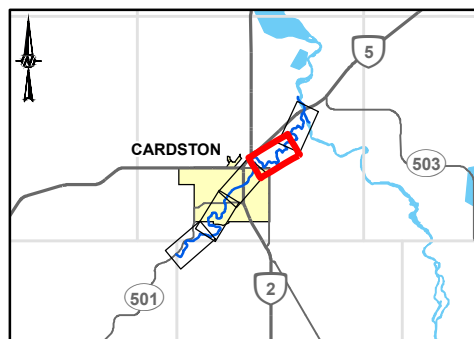
SHEET 3 ↑

↓ SHEET 5

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	35-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	35-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	35-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 223 M ³ /S	



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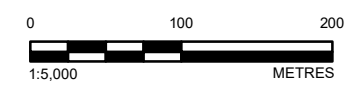
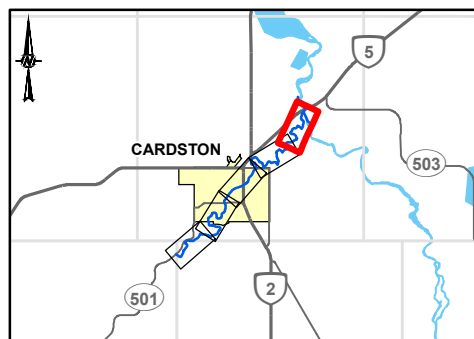
PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		35-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5

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SHEET 4 ↑



LEGEND		35-YEAR FLOOD INUNDATION EXTENT
—	CROSS SECTION	35-YEAR FLOOD EXTENT
XS#100	CROSS SECTION NUMBER	35-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304	RIVER STATION (M)	
	STUDY BOUNDARY	
	FLOW DIRECTION	
	LOCAL ROAD	
	PRIMARY HIGHWAY	
	SECONDARY HIGHWAY	
	FLOOD CONTROL STRUCTURE	
	BRIDGE	
		DISCHARGE
		LEE CREEK FLOW = 223 M ³ /S



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PROJECT
 CARDSTON FLOOD HAZARD STUDY

TITLE
35-YEAR FLOOD INUNDATION EXTENT

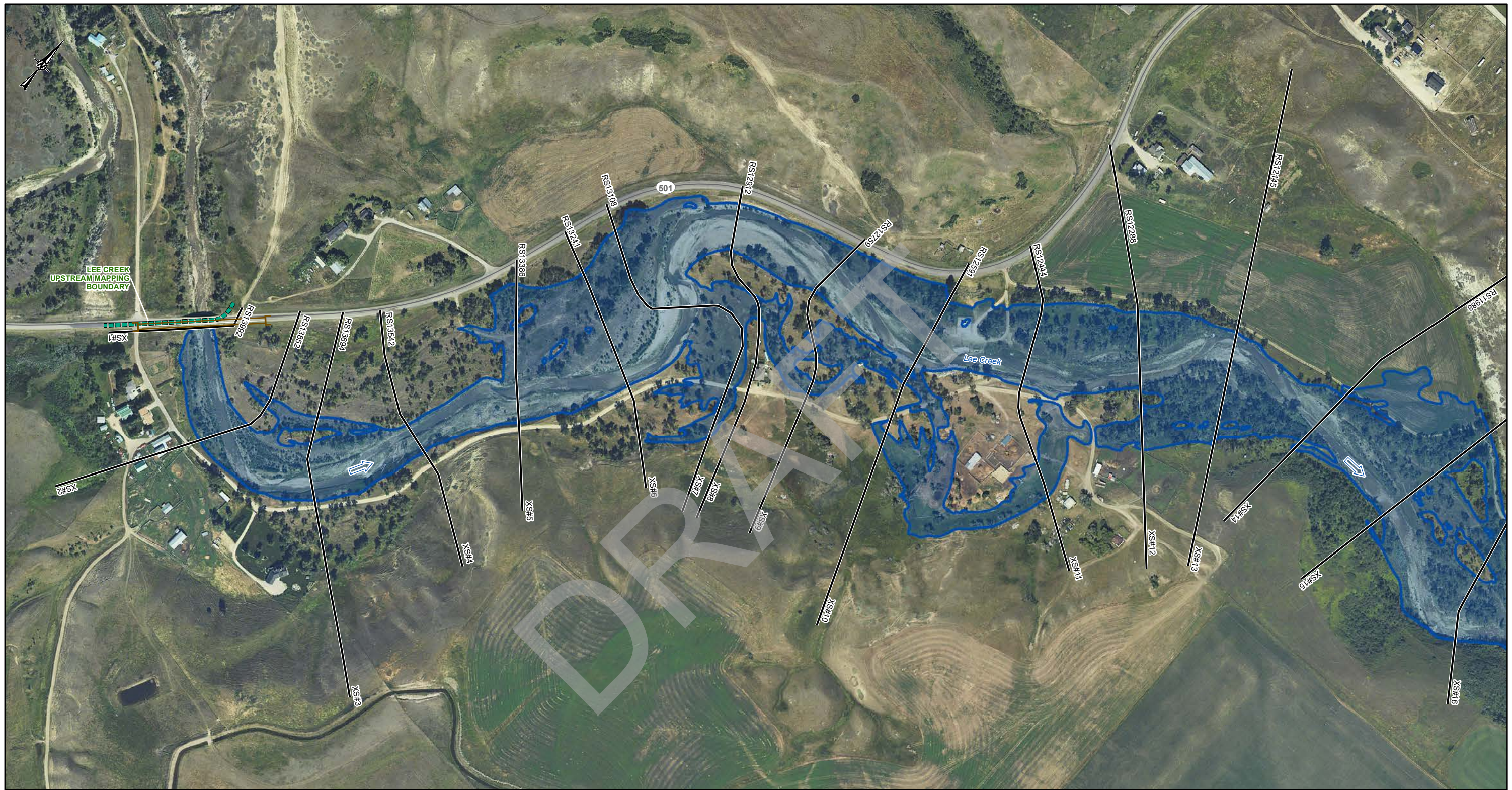
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

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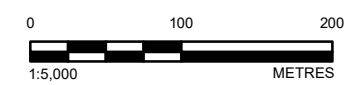
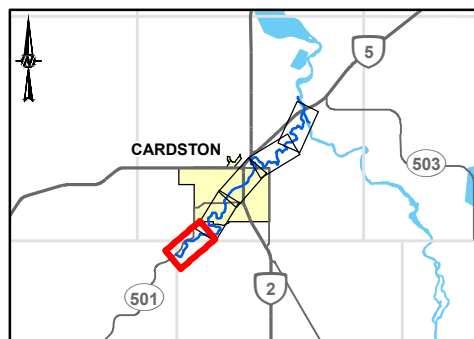
SHEETS 1-5

50-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	 50-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 50-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	— BRIDGE	 50-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
▬ STUDY BOUNDARY		
➔ FLOW DIRECTION		
— LOCAL ROAD		
— PRIMARY HIGHWAY		
— SECONDARY HIGHWAY		
		DISCHARGE
		LEE CREEK FLOW = 269 M ³ /S



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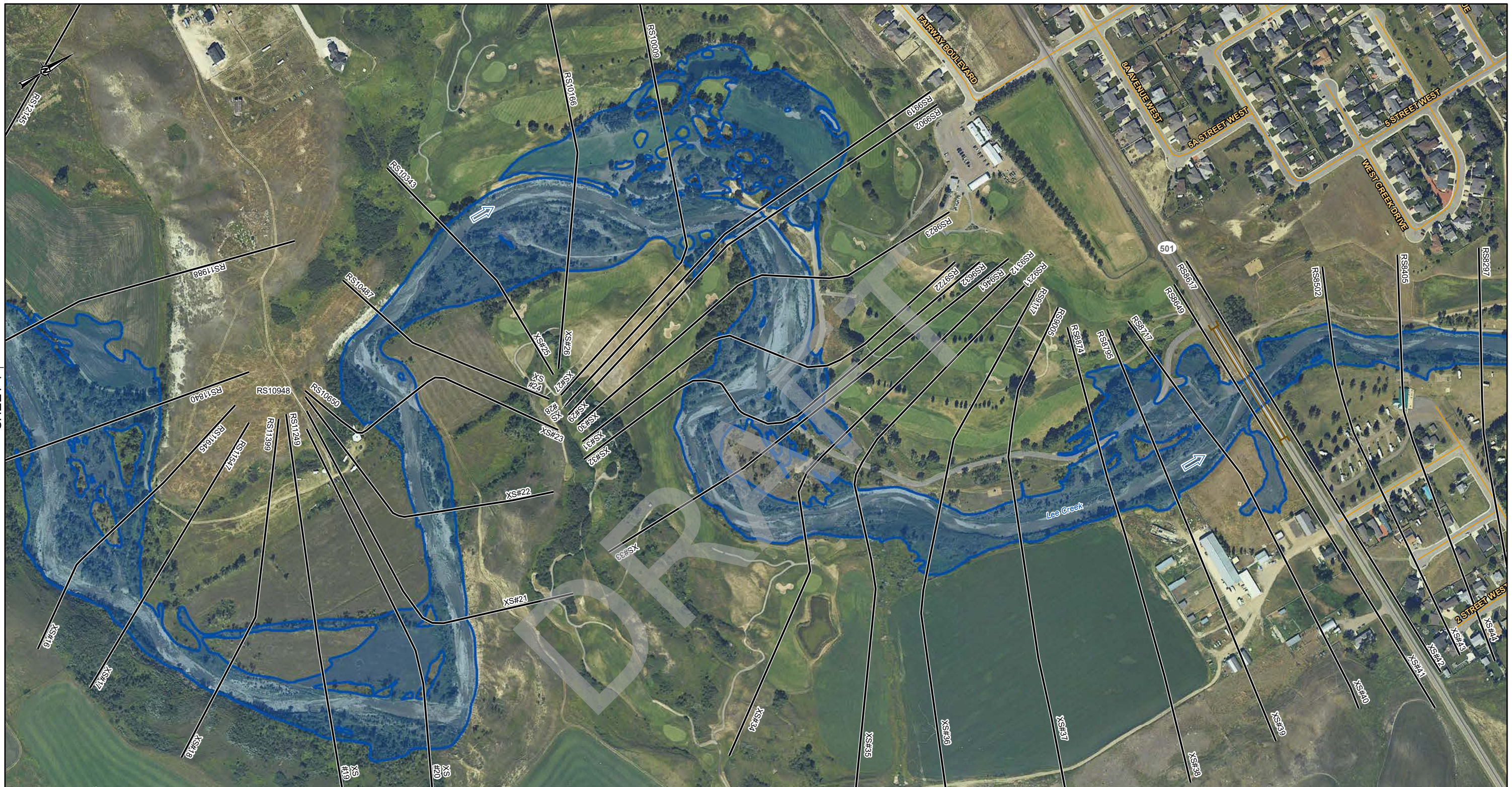


CONSULTANT	YYYY-MM-DD	2020-03-16
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	REVIEWED	HKG
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PROJECT	CARDSTON FLOOD HAZARD STUDY		
TITLE	50-YEAR FLOOD INUNDATION EXTENT		
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5

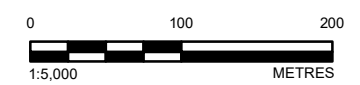
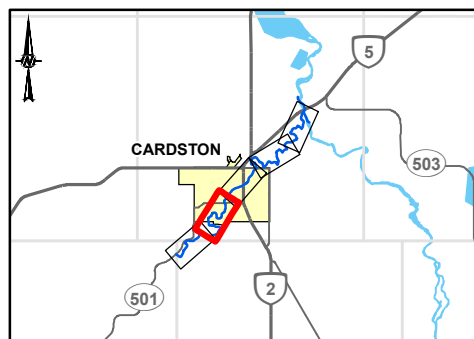
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SHEET 1 ↑

↓ SHEET 3

LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	 50-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 50-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	▬ BRIDGE	 50-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 STUDY BOUNDARY		
➔ FLOW DIRECTION		
 LOCAL ROAD		
 PRIMARY HIGHWAY		
 SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 269 M ³ /S	



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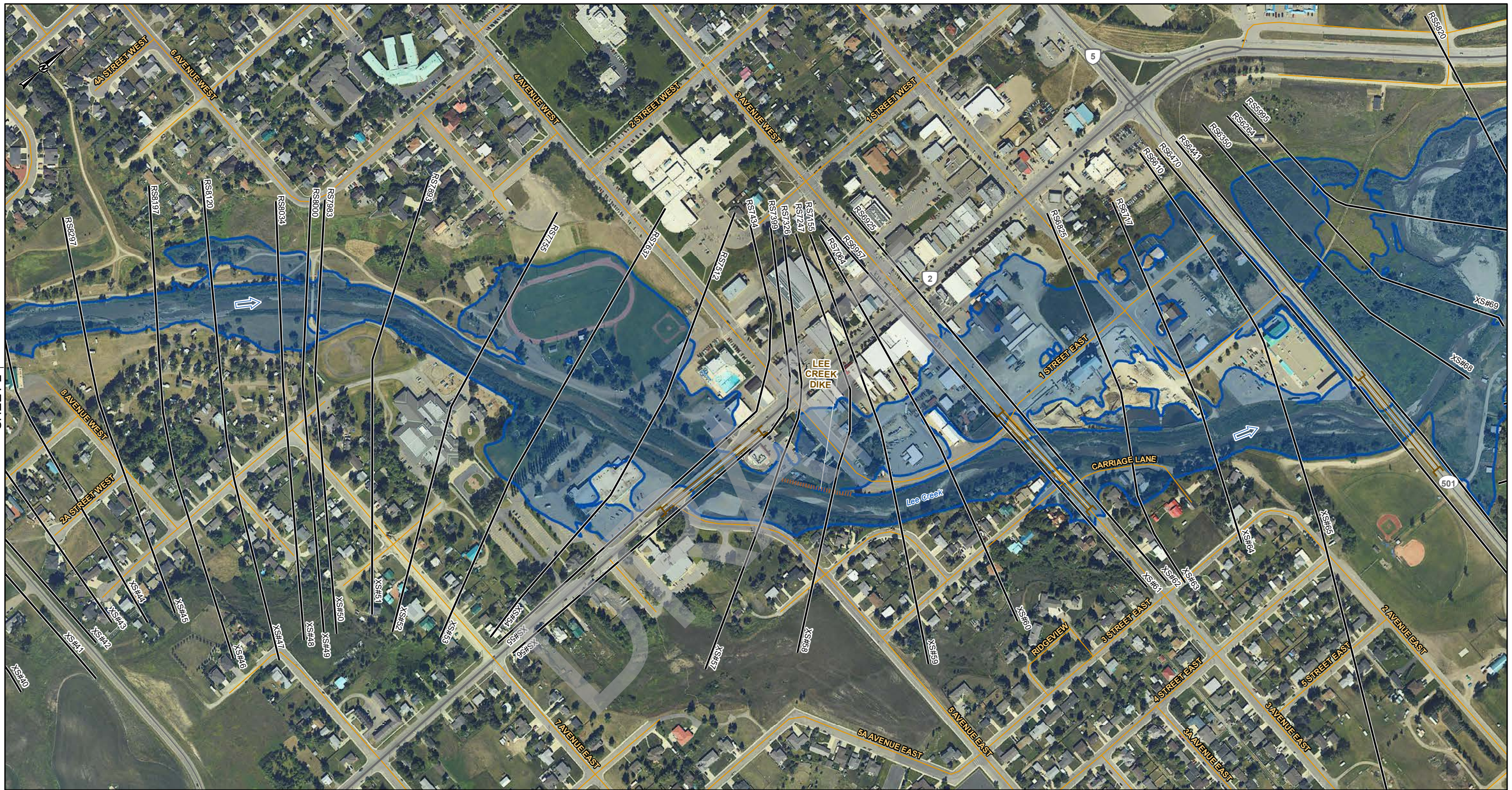


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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		50-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A4/B5 TO A3.

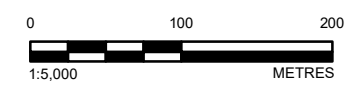
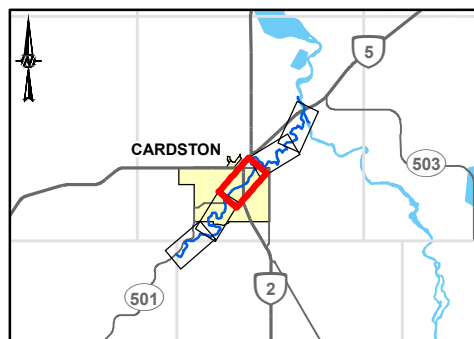


SHEET 2 ↑

↓ SHEET 4

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 50-YEAR FLOOD INUNDATION EXTENT**
 - 50-YEAR FLOOD EXTENT
 - 50-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 269 M³/S



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 50-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 3 OF 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



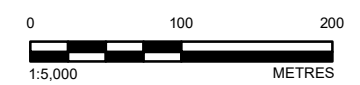
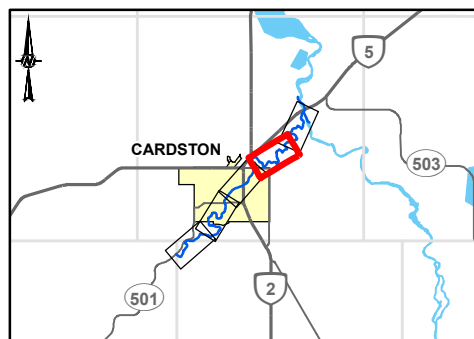
SHEET 3 ↑

↓ SHEET 5

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

	CROSS SECTION		FLOOD CONTROL STRUCTURE		50-YEAR FLOOD INUNDATION EXTENT
XS#100	CROSS SECTION NUMBER		HYDRAULIC STRUCTURES		50-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304	RIVER STATION (M)		BRIDGE		
	STUDY BOUNDARY				
	FLOW DIRECTION				
	LOCAL ROAD				
	PRIMARY HIGHWAY				
	SECONDARY HIGHWAY				
					DISCHARGE
					LEE CREEK FLOW = 269 M ³ /S



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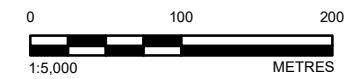
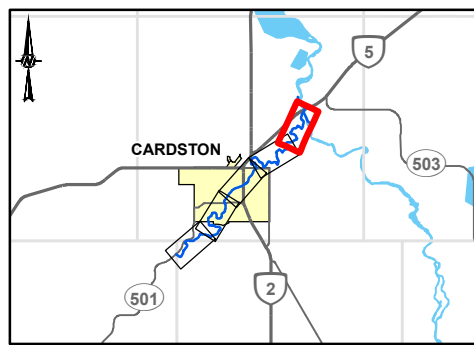
PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		50-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5

SHEET 4 ↑



LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- BRIDGE
- 50-YEAR FLOOD INUNDATION EXTENT**
- 50-YEAR FLOOD EXTENT
- 50-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE**
- LEE CREEK FLOW = 269 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

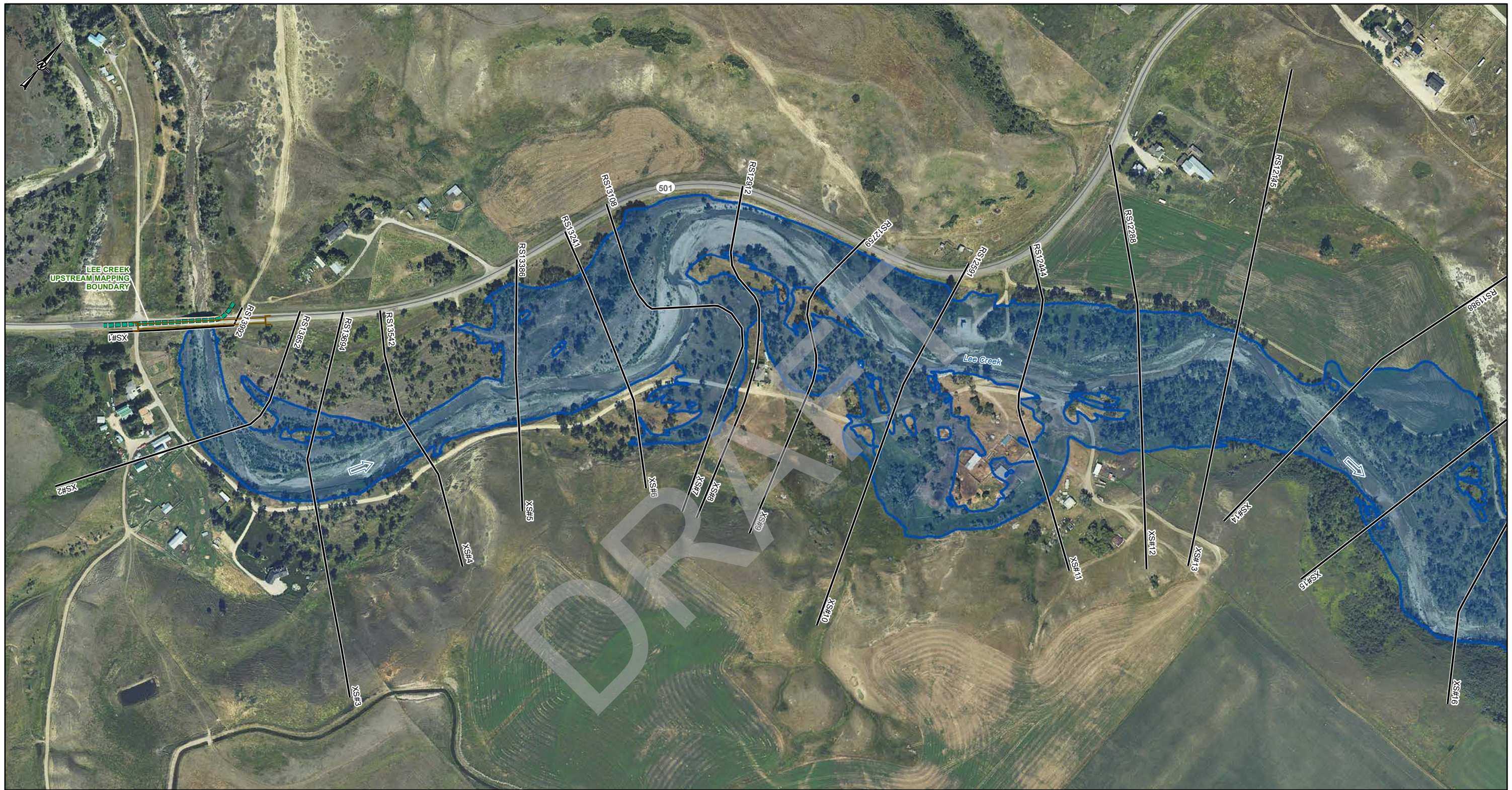
TITLE
50-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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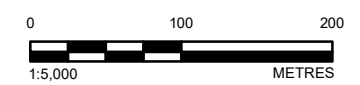
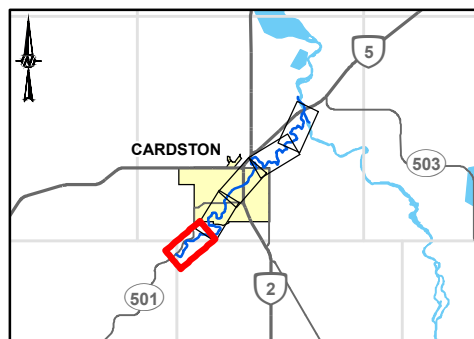
SHEETS 1-5

75-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	75-YEAR FLOOD INUNDATION EXTENT
■	75-YEAR FLOOD EXTENT
■	75-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 328 M ³ /S	



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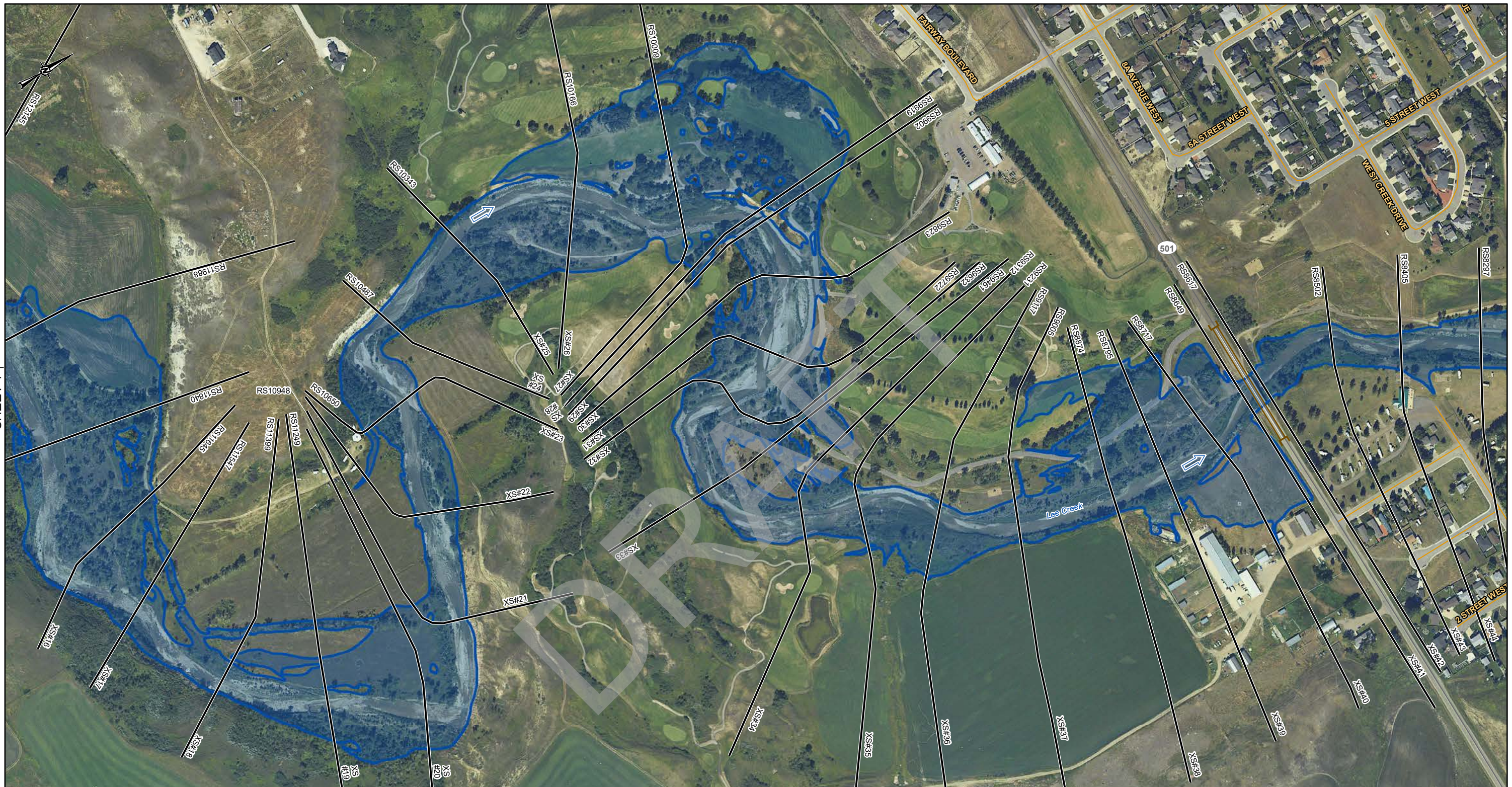


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YYYY-MM-DD	2020-03-16
DESIGNED	PH
PREPARED	SK/AL
REVIEWED	HKG
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PROJECT			
CARDSTON FLOOD HAZARD STUDY			
TITLE			
75-YEAR FLOOD INUNDATION EXTENT			
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5

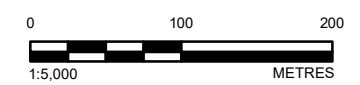
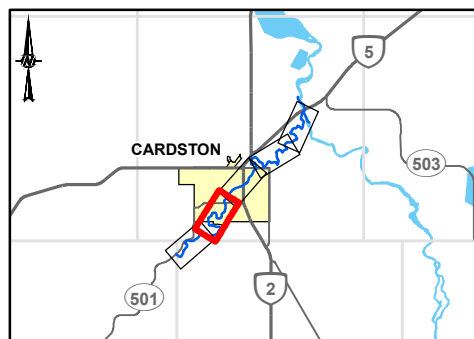
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SHEET 1 ↑

↓ SHEET 3

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
▭	STUDY BOUNDARY
➔	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
▬▬▬	FLOOD CONTROL STRUCTURE
⌈—⌋	BRIDGE
▭	75-YEAR FLOOD INUNDATION EXTENT
▭	75-YEAR FLOOD EXTENT
▭	75-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 328 M ³ /S	



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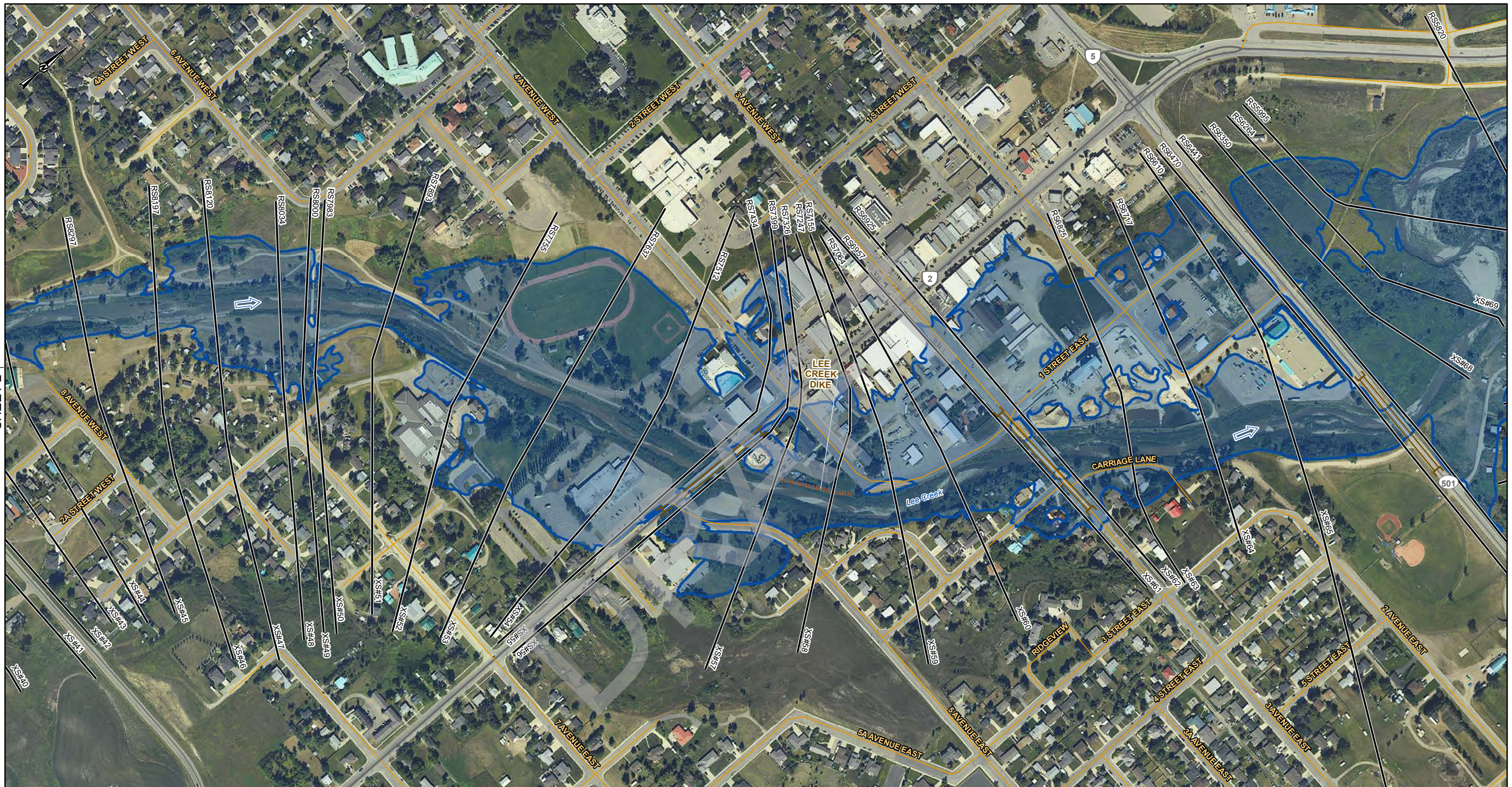
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GOLDER

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PREPARED	SK/AL
REVIEWED	HKG
APPROVED	WP

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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 75-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 2 OF 5

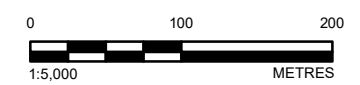
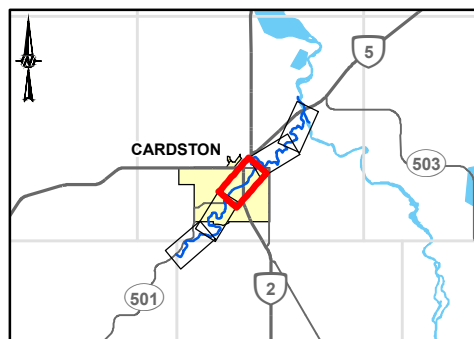
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SHEET 2 ↑

↓ SHEET 4

- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 75-YEAR FLOOD INUNDATION EXTENT**
 - 75-YEAR FLOOD EXTENT
 - 75-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 328 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
75-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5



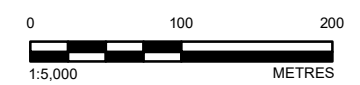
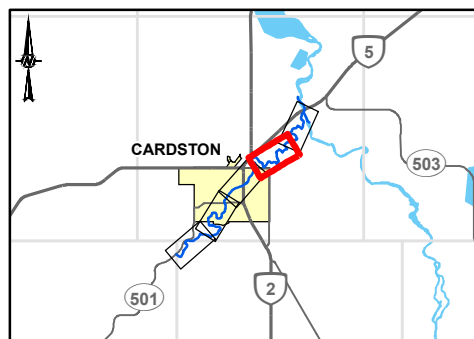
SHEET 3 ↑

↓ SHEET 5

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LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	75-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	75-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	75-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 328 M ³ /S	



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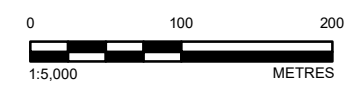
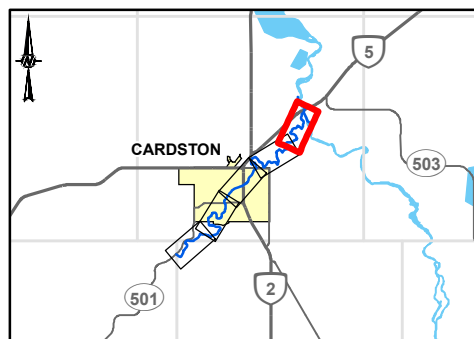
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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 75-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5



SHEET 4 ↑

LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	75-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	75-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	75-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 328 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

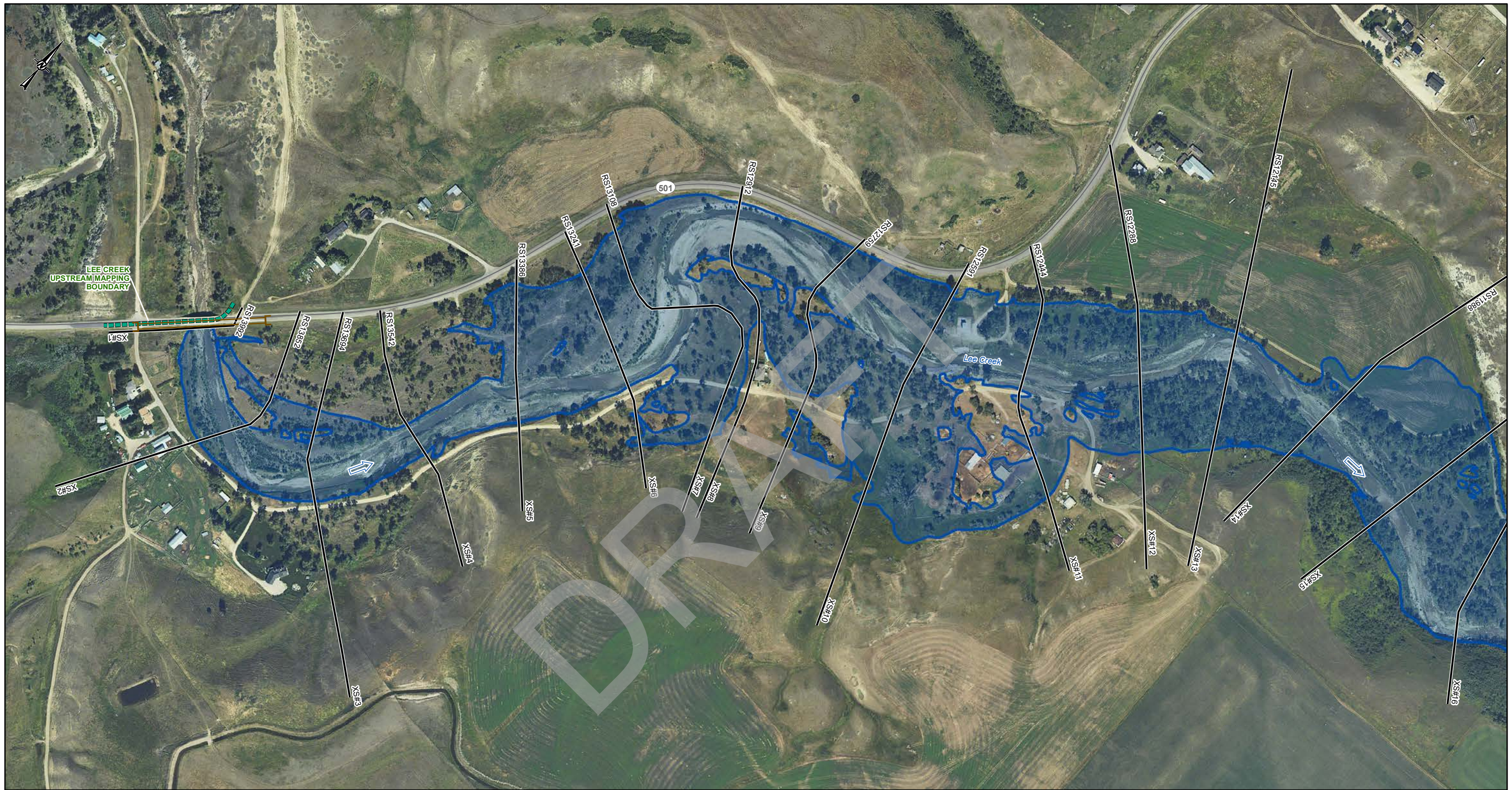
TITLE
75-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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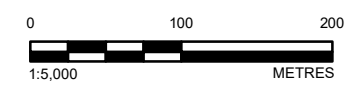
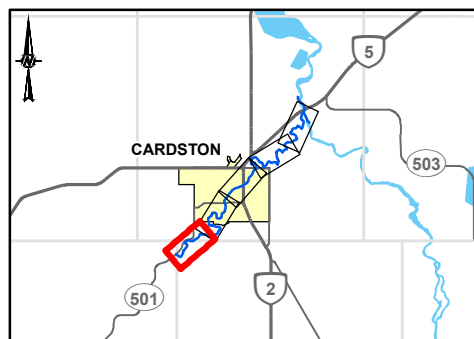
SHEETS 1-5

100-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	100-YEAR FLOOD INUNDATION EXTENT
■	100-YEAR FLOOD EXTENT
■	100-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 375 M ³ /S	



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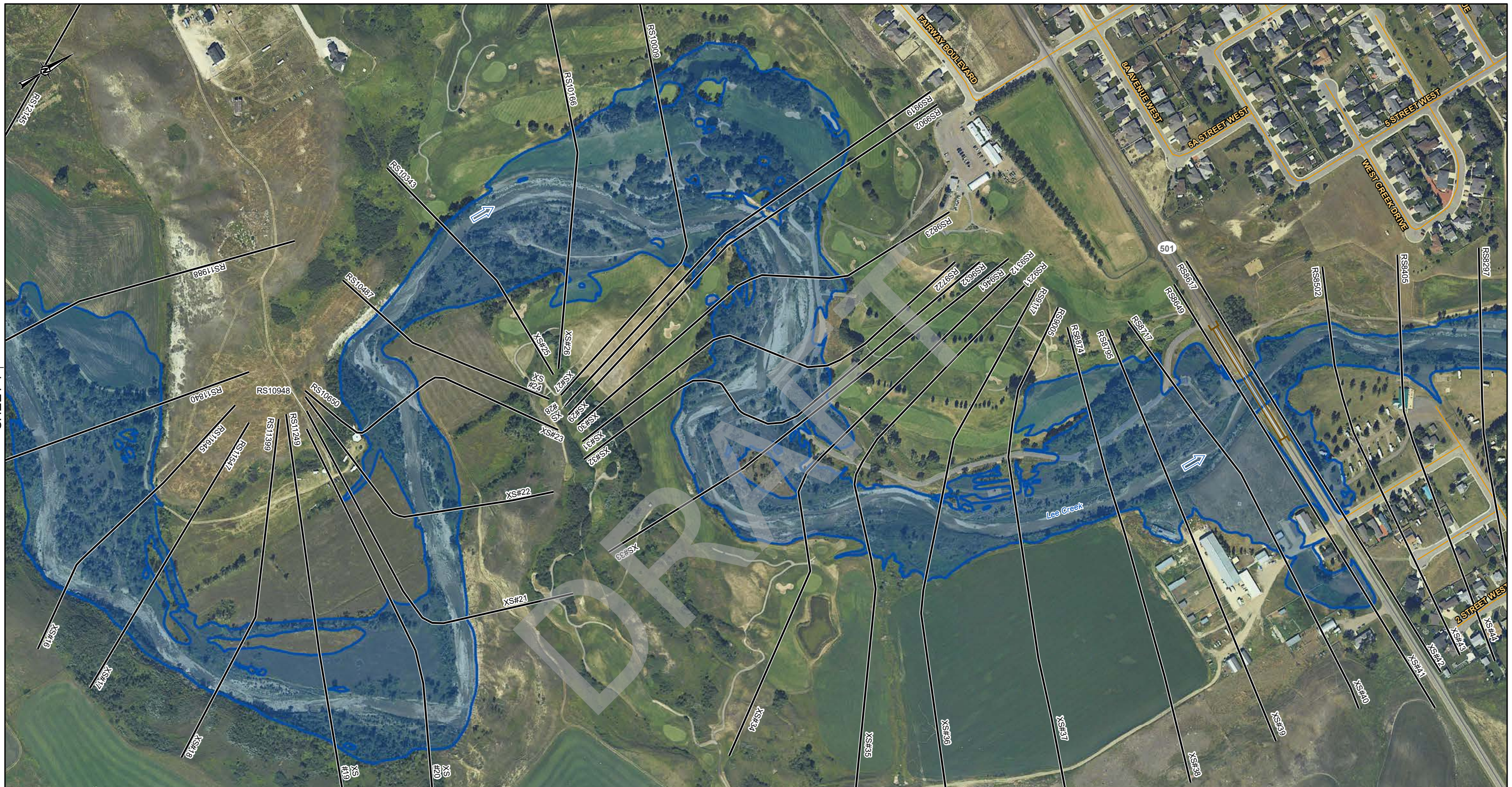
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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
100-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



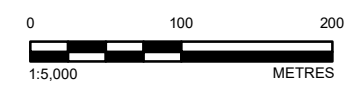
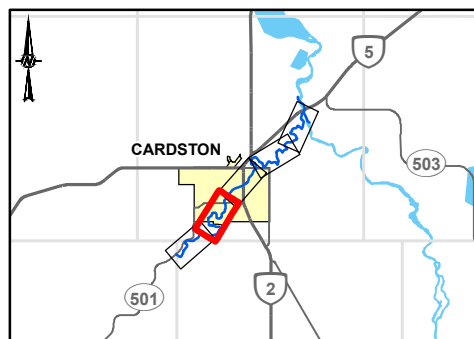
SHEET 1 ↑

↓ SHEET 3

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- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 100-YEAR FLOOD INUNDATION EXTENT
 - 100-YEAR FLOOD EXTENT
 - 100-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE
LEE CREEK FLOW = 375 M³/S



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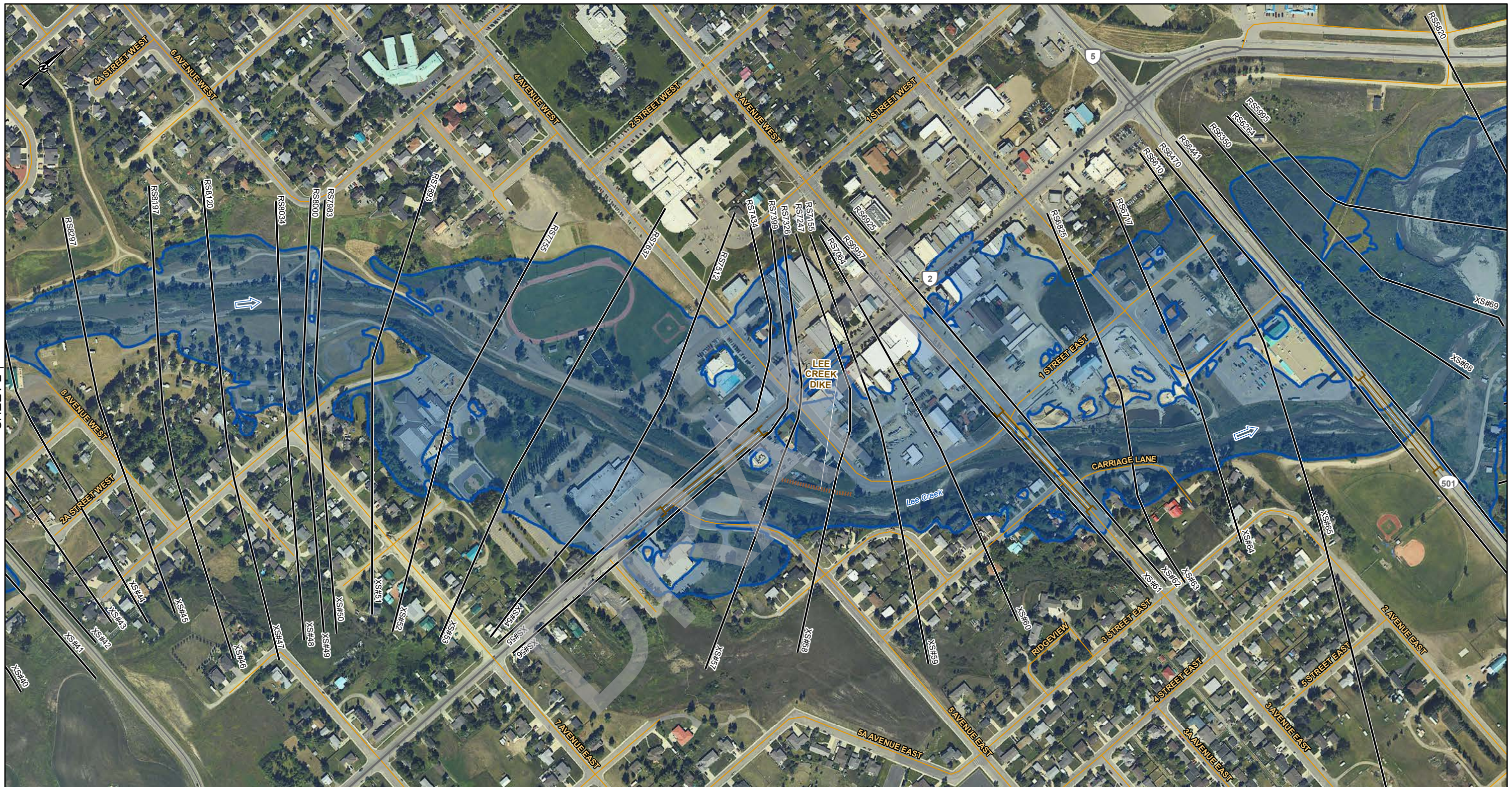


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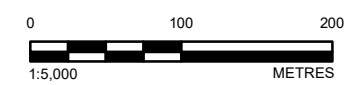
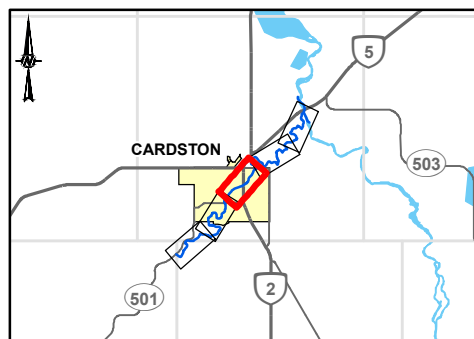
PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 100-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 2 OF 5



LEGEND

	CROSS SECTION		FLOOD CONTROL STRUCTURE		100-YEAR FLOOD INUNDATION EXTENT
	XS#100 CROSS SECTION NUMBER		HYDRAULIC STRUCTURES		100-YEAR FLOOD EXTENT
	RS 304 RIVER STATION (M)				100-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	STUDY BOUNDARY				
	FLOW DIRECTION				
	LOCAL ROAD				
	PRIMARY HIGHWAY				
	SECONDARY HIGHWAY				

DISCHARGE
LEE CREEK FLOW = 375 M³/S



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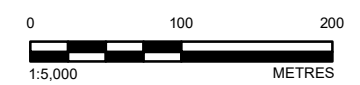
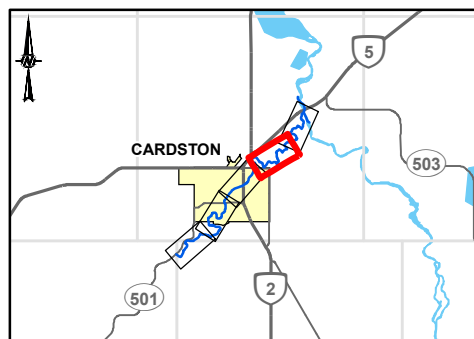
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PROJECT CARDSTON FLOOD HAZARD STUDY			
TITLE 100-YEAR FLOOD INUNDATION EXTENT			
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
■	STUDY BOUNDARY
➔	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
▬▬▬▬	FLOOD CONTROL STRUCTURE
⌈—⌋	BRIDGE
■	100-YEAR FLOOD INUNDATION EXTENT
■	100-YEAR FLOOD EXTENT
■	100-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 375 M ³ /S	



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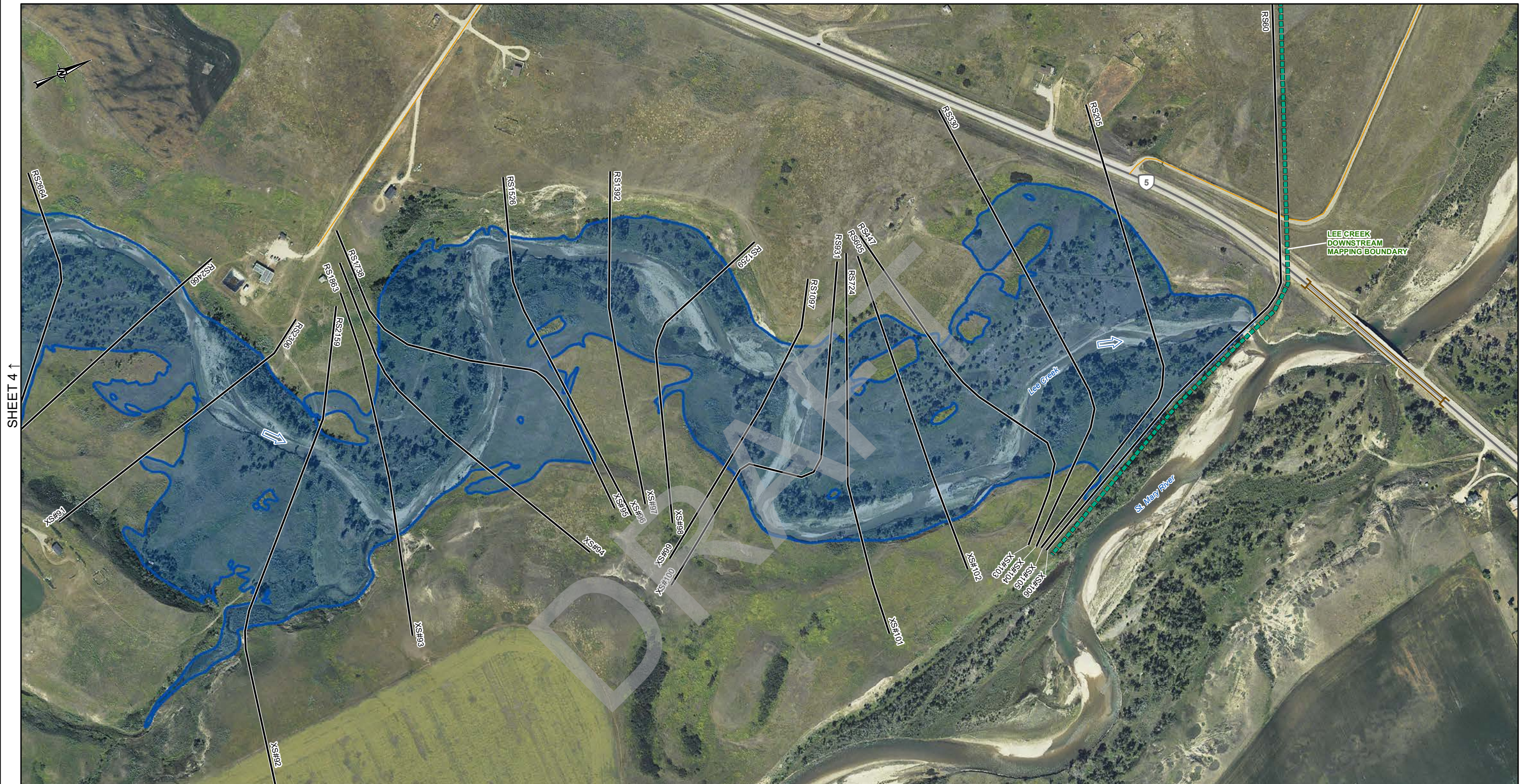
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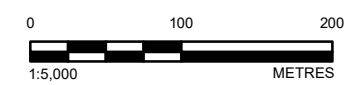
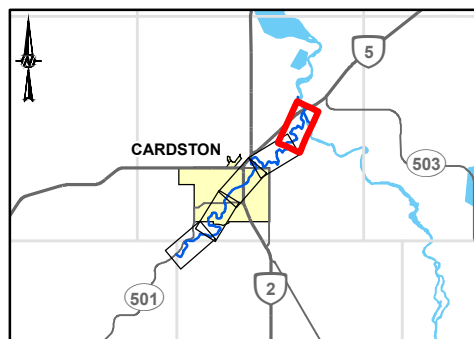
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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		100-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5



SHEET 4 ↑

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	100-YEAR FLOOD INUNDATION EXTENT
■	100-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 375 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

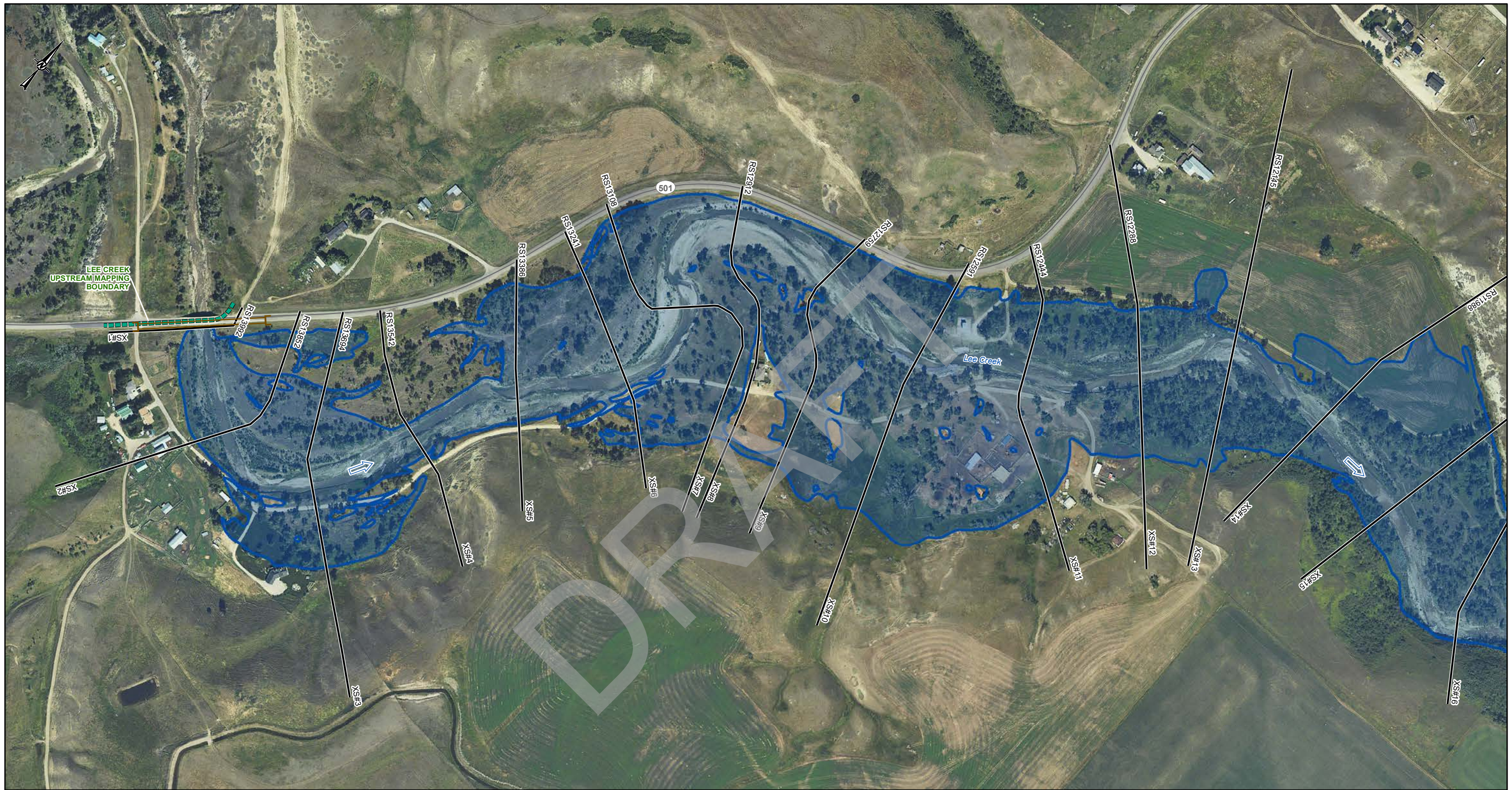
TITLE
100-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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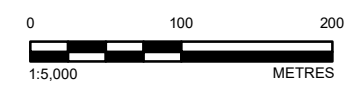
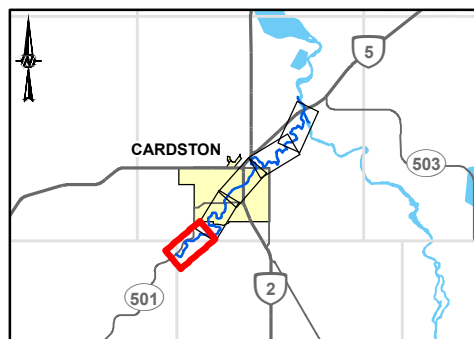
SHEETS 1-5

200-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	200-YEAR FLOOD INUNDATION EXTENT
■	200-YEAR FLOOD EXTENT
■	200-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 510 M ³ /S	



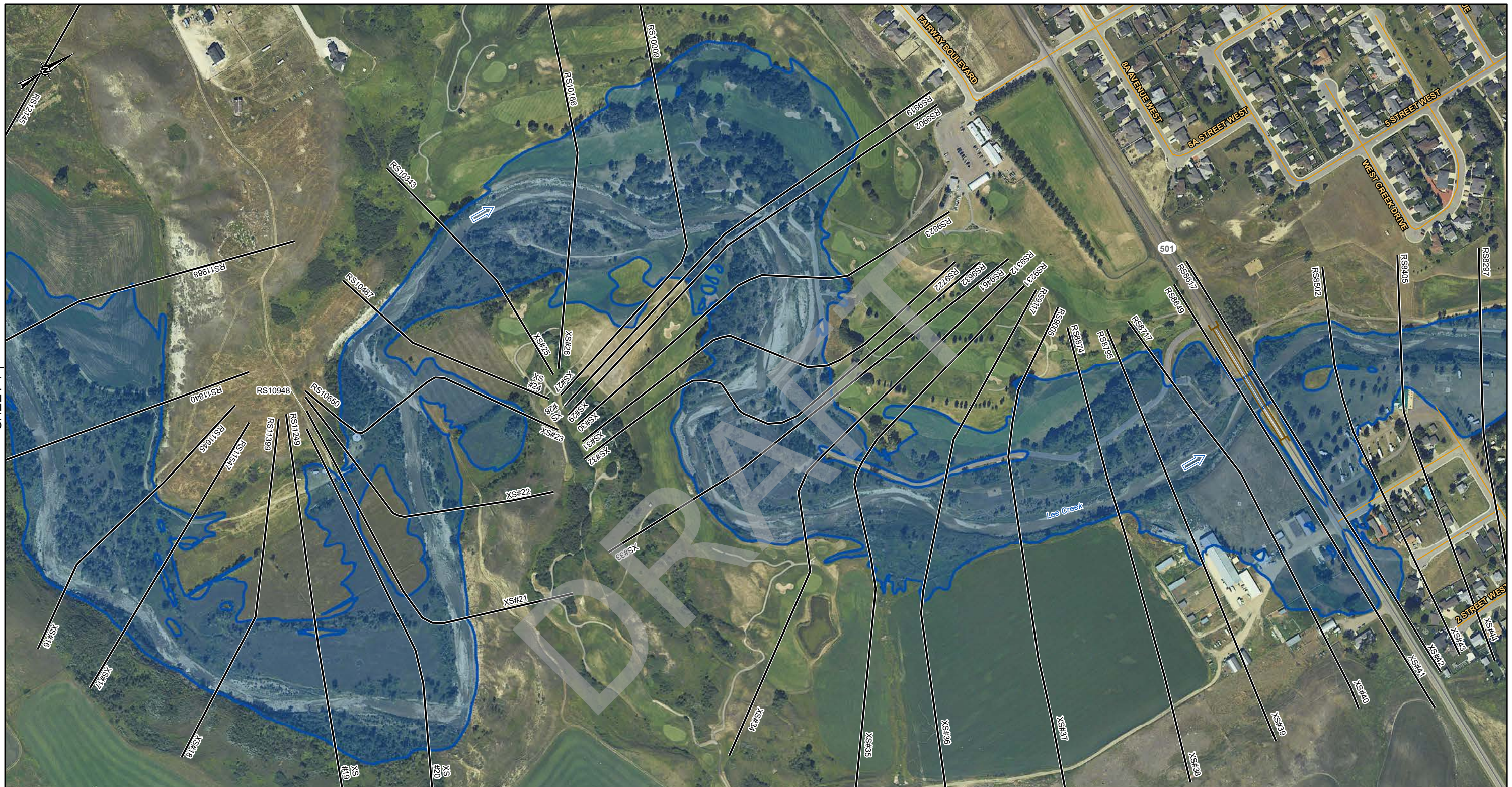
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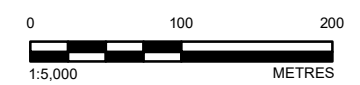
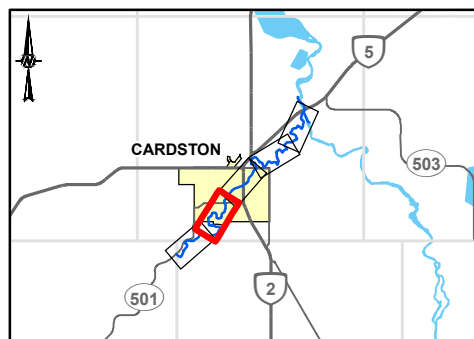
PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		200-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



SHEET 1 ↑

↓ SHEET 3

LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	 200-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 200-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	▬ BRIDGE	 200-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 STUDY BOUNDARY		
➔ FLOW DIRECTION		
— LOCAL ROAD		
— PRIMARY HIGHWAY		
— SECONDARY HIGHWAY		
		DISCHARGE
		LEE CREEK FLOW = 510 M ³ /S



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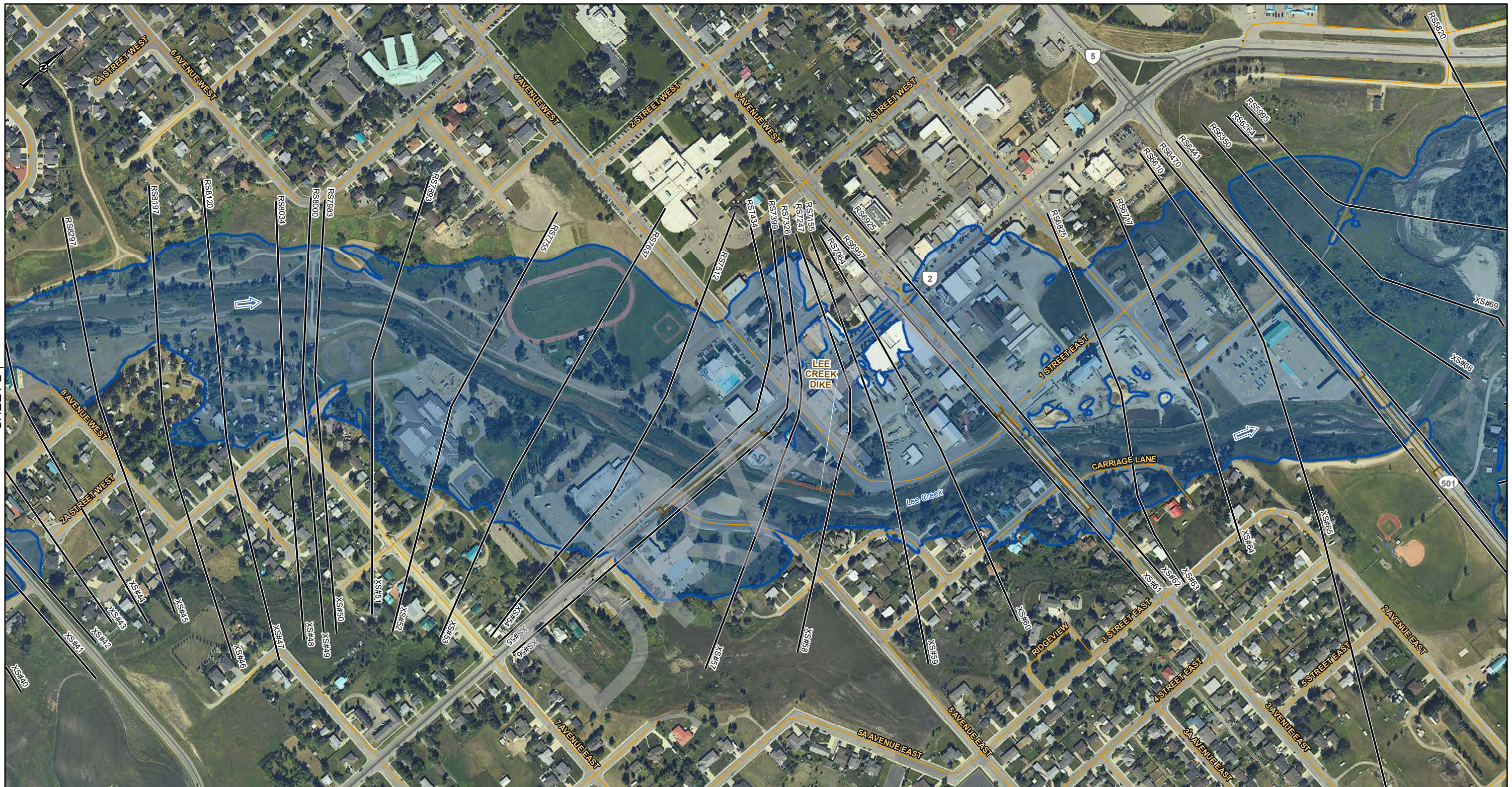


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APPROVED	WP

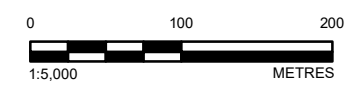
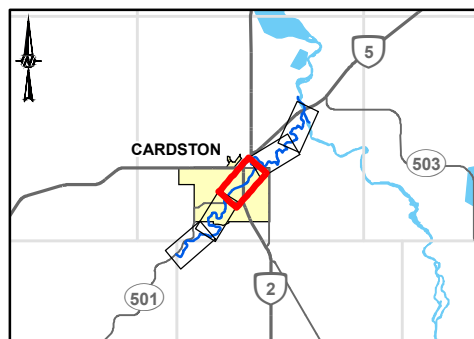


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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 200-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 2 OF 5



- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 200-YEAR FLOOD INUNDATION EXTENT**
 - 200-YEAR FLOOD EXTENT
 - 200-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE**
 - LEE CREEK FLOW = 510 M³/S



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 200-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 3 OF 5

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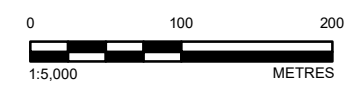
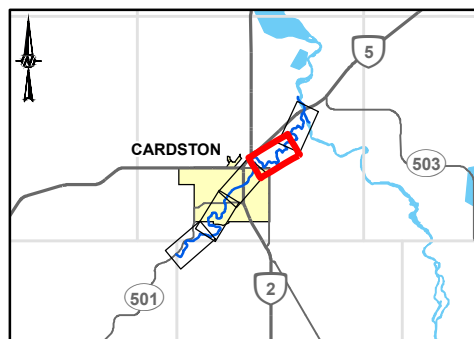
SHEET 3 ↑

↓ SHEET 5

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

LEGEND		
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XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 200-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	— BRIDGE	 200-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
■ STUDY BOUNDARY		
➔ FLOW DIRECTION		
— LOCAL ROAD		
— PRIMARY HIGHWAY		
— SECONDARY HIGHWAY		
		DISCHARGE
		LEE CREEK FLOW = 510 M ³ /S



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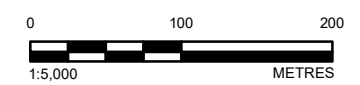
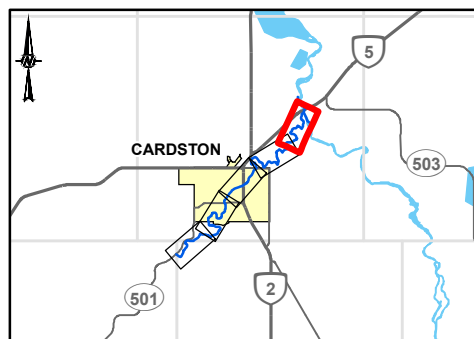
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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 200-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5

SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	HYDRAULIC STRUCTURES
—	BRIDGE
■	200-YEAR FLOOD INUNDATION EXTENT
■	200-YEAR FLOOD EXTENT
■	200-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 510 M ³ /S	



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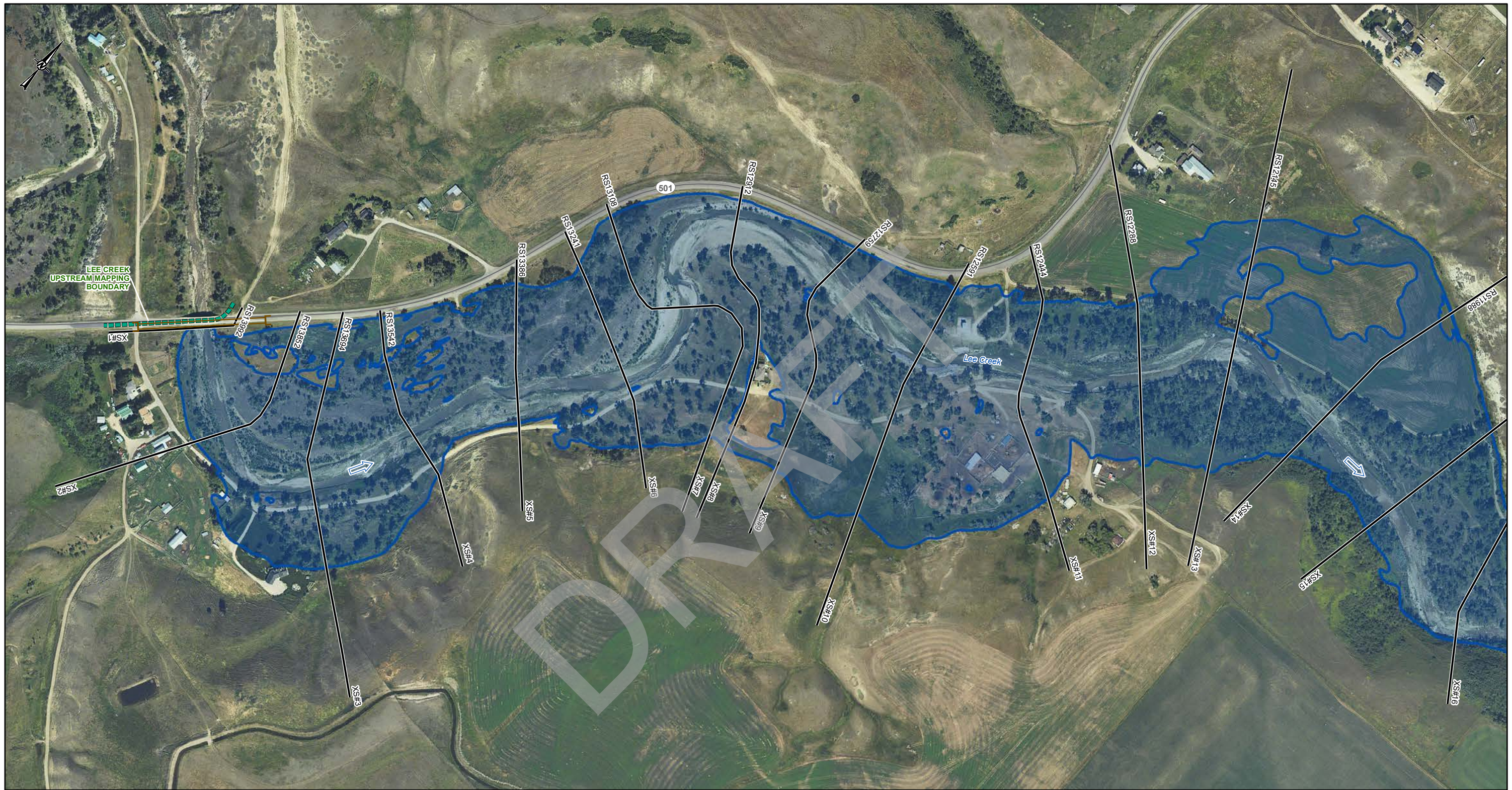
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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		200-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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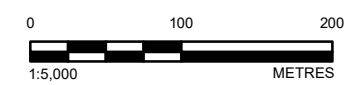
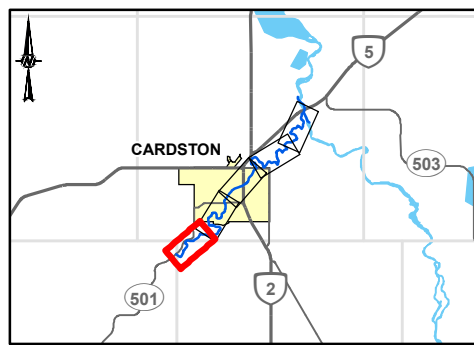
SHEETS 1-5

350-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	HYDRAULIC STRUCTURES
—	BRIDGE
■	350-YEAR FLOOD INUNDATION EXTENT
■	350-YEAR FLOOD EXTENT
■	350-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 642 M ³ /S	



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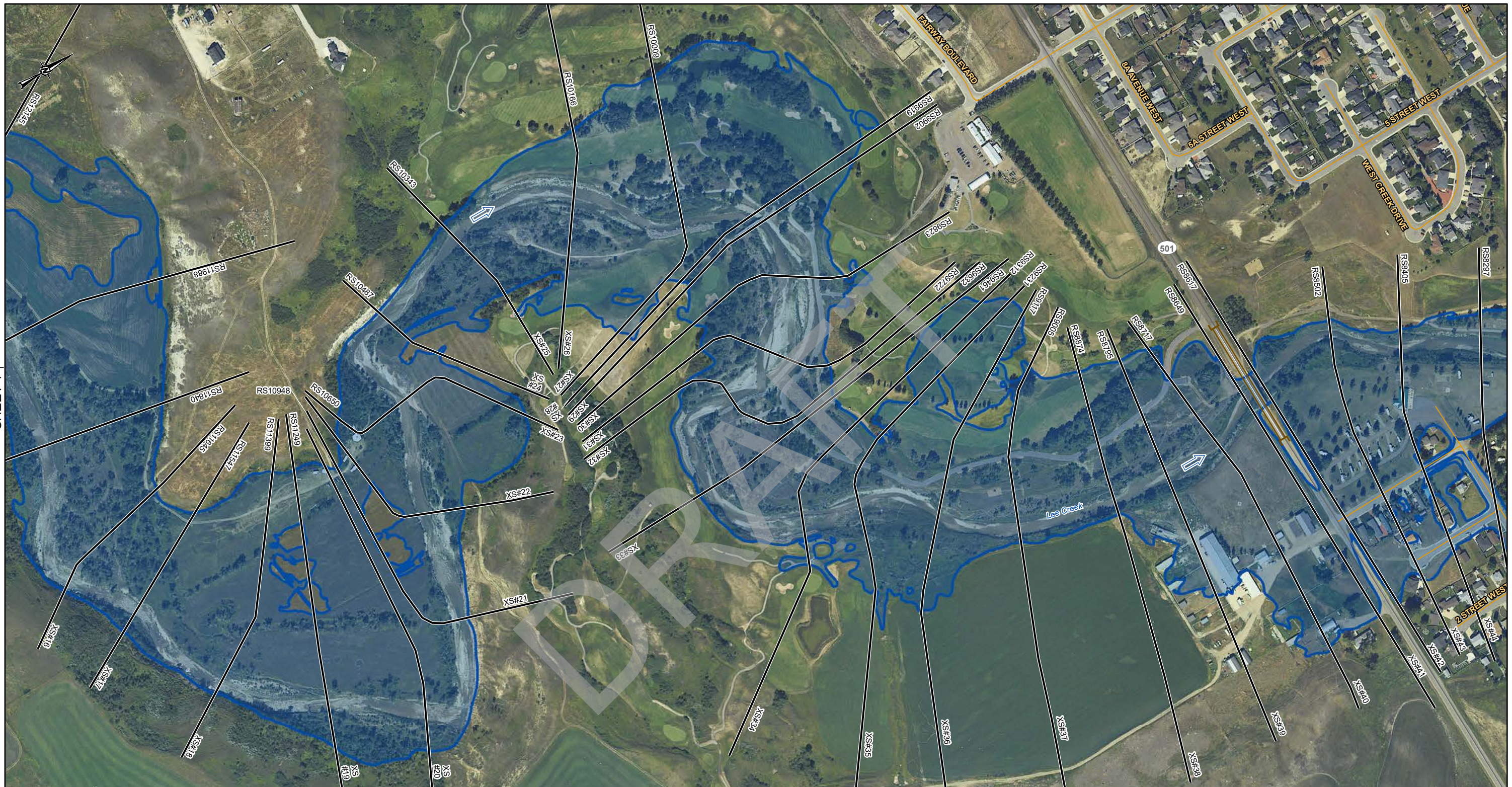
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REVIEWED	HKG
APPROVED	WP

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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
350-YEAR FLOOD INUNDATION EXTENT

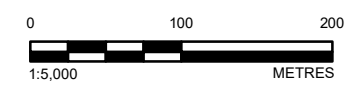
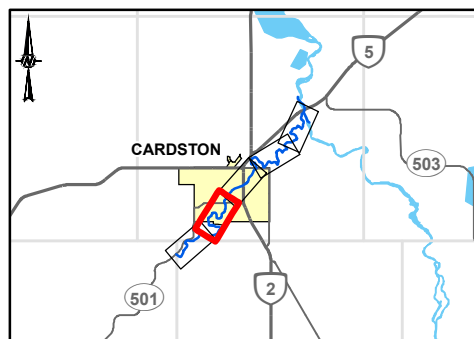
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



SHEET 1 ↑

↓ SHEET 3

LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	 350-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 350-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	▬ BRIDGE	 350-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 STUDY BOUNDARY		
➔ FLOW DIRECTION		
 LOCAL ROAD		
 PRIMARY HIGHWAY		
 SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 642 M ³ /S	



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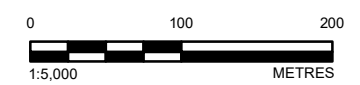
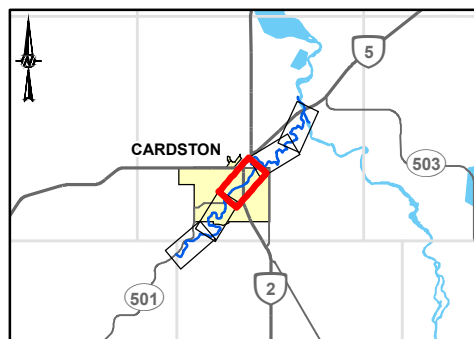
PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 350-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 2 OF 5



SHEET 2 ↑

↓ SHEET 4

- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 350-YEAR FLOOD INUNDATION EXTENT**
 - 350-YEAR FLOOD EXTENT
 - 350-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE
 - LEE CREEK FLOW = 642 M³/S



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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		350-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5



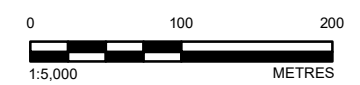
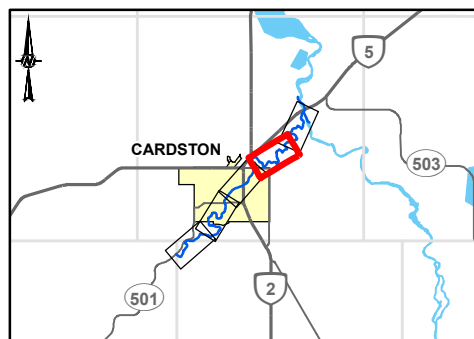
SHEET 3 ↑

↓ SHEET 5

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LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	350-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	350-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304 RIVER STATION (M)	BRIDGE	
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 642 M ³ /S	



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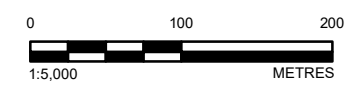
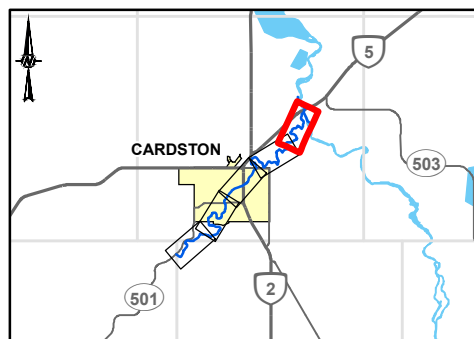
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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 350-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5

SHEET 4 ↑



LEGEND		
—	CROSS SECTION	FLOOD CONTROL STRUCTURE
XS#100	CROSS SECTION NUMBER	350-YEAR FLOOD EXTENT
RS 304	RIVER STATION (M)	350-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	STUDY BOUNDARY	
	FLOW DIRECTION	DISCHARGE
	LOCAL ROAD	LEE CREEK FLOW = 642 M ³ /S
	PRIMARY HIGHWAY	
	SECONDARY HIGHWAY	
		HYDRAULIC STRUCTURES
		BRIDGE



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 350-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 5 OF 5

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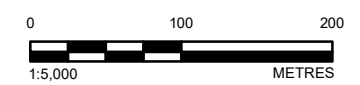
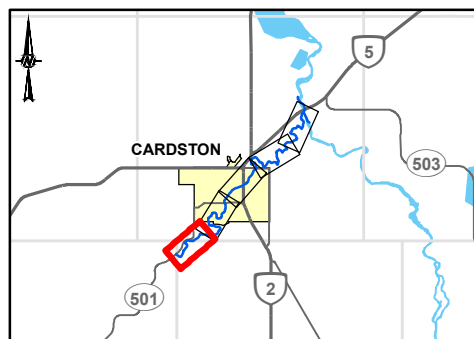
SHEETS 1-5

500-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	500-YEAR FLOOD INUNDATION EXTENT
■	500-YEAR FLOOD EXTENT
■	500-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 739 M ³ /S	



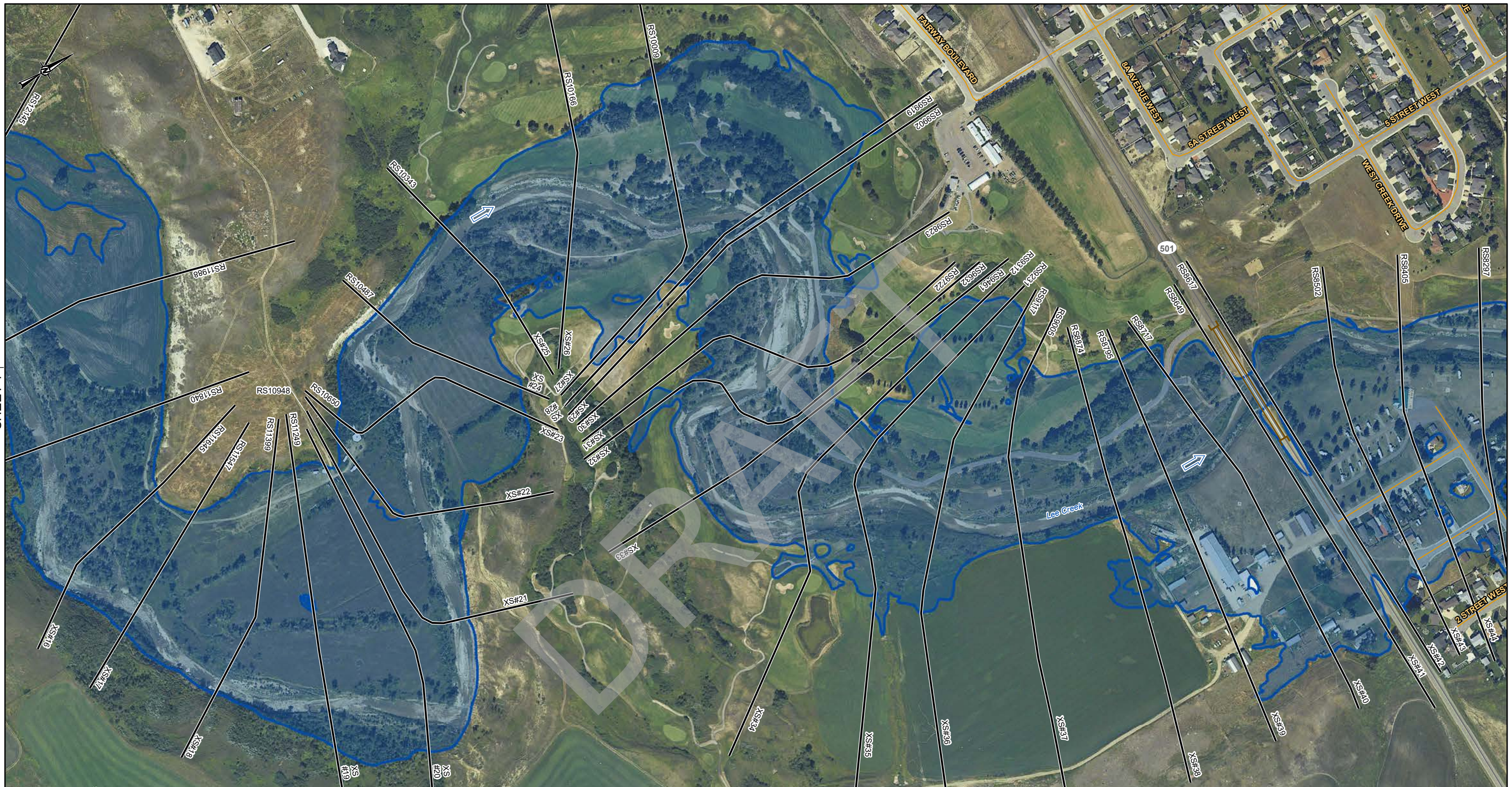
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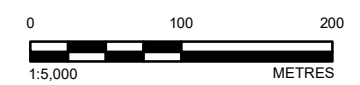
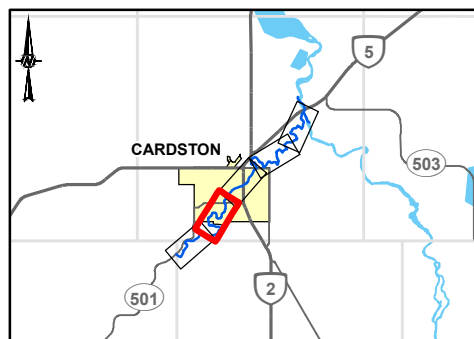
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TITLE		500-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



SHEET 1 ↑

↓ SHEET 3

- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - ▭ STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ▬ FLOOD CONTROL STRUCTURE
 - ▬ HYDRAULIC STRUCTURES
 - ▬ BRIDGE
 - 500-YEAR FLOOD INUNDATION EXTENT
 - 500-YEAR FLOOD EXTENT
 - 500-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE
 - LEE CREEK FLOW = 739 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
500-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5



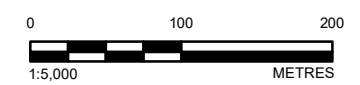
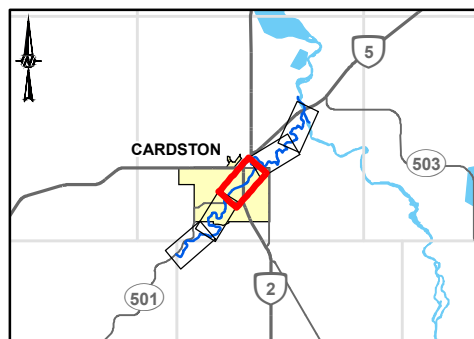
SHEET 2 ↑

↓ SHEET 4

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	CROSS SECTION		FLOOD CONTROL STRUCTURE		500-YEAR FLOOD INUNDATION EXTENT
XS#100	CROSS SECTION NUMBER		HYDRAULIC STRUCTURES		500-YEAR FLOOD EXTENT
RS 304	RIVER STATION (M)		BRIDGE		500-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	STUDY BOUNDARY				
	FLOW DIRECTION				
	LOCAL ROAD				
	PRIMARY HIGHWAY				
	SECONDARY HIGHWAY				
					DISCHARGE
					LEE CREEK FLOW = 739 M ³ /S



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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		500-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 3 OF 5

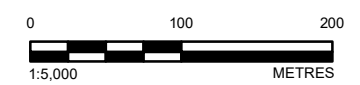
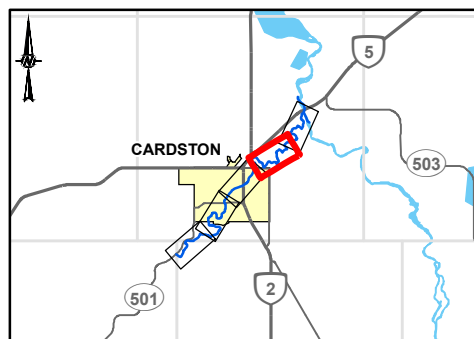


SHEET 3 ↑

↓ SHEET 5

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LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	 500-YEAR FLOOD EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	 500-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
RS 304 RIVER STATION (M)	— BRIDGE	
■ STUDY BOUNDARY		
➔ FLOW DIRECTION		
— LOCAL ROAD		
— PRIMARY HIGHWAY		
— SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 739 M ³ /S	



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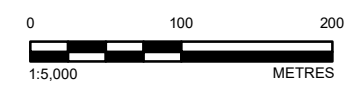
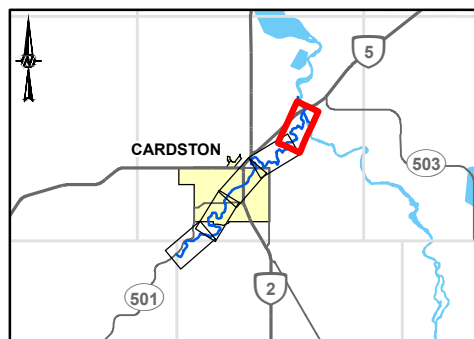
PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 500-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5

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SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	HYDRAULIC STRUCTURES
—	BRIDGE
■	500-YEAR FLOOD INUNDATION EXTENT
■	500-YEAR FLOOD EXTENT
■	500-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 739 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
500-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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SHEETS 1-5

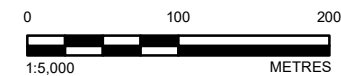
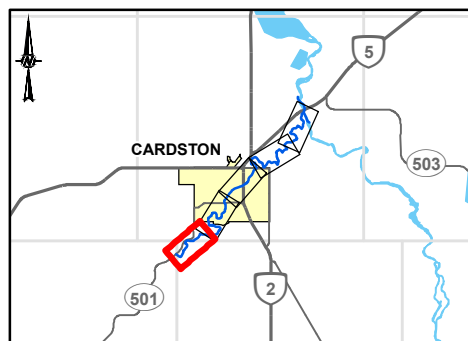
750-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- HYDRAULIC STRUCTURES
- BRIDGE
- 750-YEAR FLOOD INUNDATION EXTENT
- 750-YEAR FLOOD EXTENT
- 750-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE
- LEE CREEK FLOW = 862 M³/S



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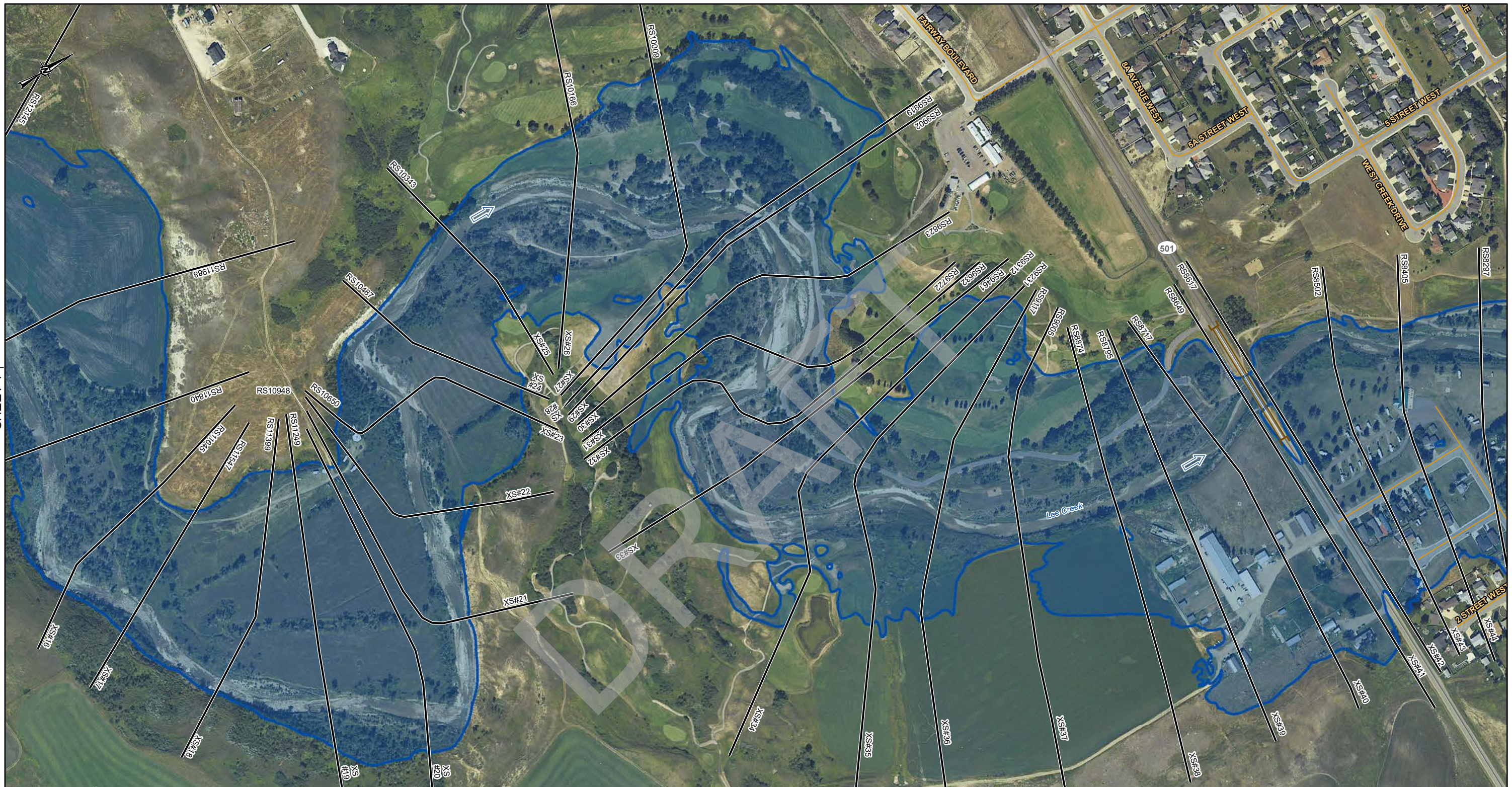


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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
750-YEAR FLOOD INUNDATION EXTENT

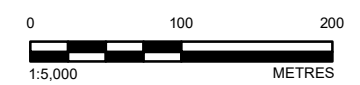
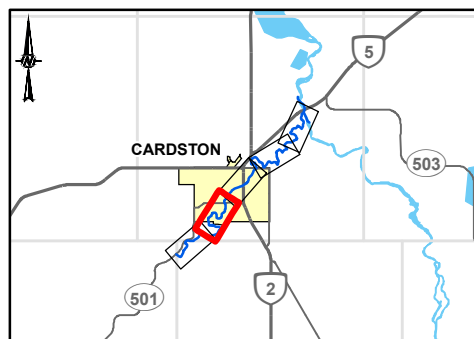
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



LEGEND

—	CROSS SECTION		FLOOD CONTROL STRUCTURE		750-YEAR FLOOD INUNDATION EXTENT
XS#100	CROSS SECTION NUMBER		HYDRAULIC STRUCTURES		750-YEAR FLOOD EXTENT
RS 304	RIVER STATION (M)				750-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
	STUDY BOUNDARY				
	FLOW DIRECTION				
	LOCAL ROAD				
	PRIMARY HIGHWAY				
	SECONDARY HIGHWAY				

DISCHARGE
LEE CREEK FLOW = 862 M³/S



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
750-YEAR FLOOD INUNDATION EXTENT

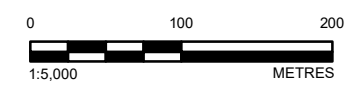
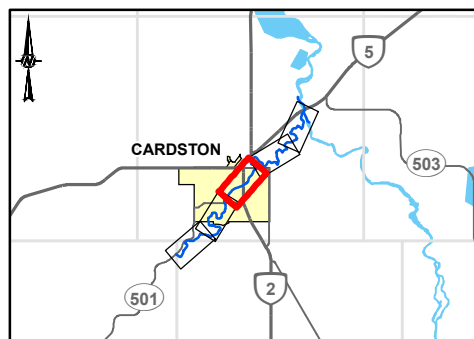
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5



SHEET 2 ↑

↓ SHEET 4

- LEGEND**
- CROSS SECTION
 - XS#100 CROSS SECTION NUMBER
 - RS 304 RIVER STATION (M)
 - STUDY BOUNDARY
 - ➔ FLOW DIRECTION
 - LOCAL ROAD
 - PRIMARY HIGHWAY
 - SECONDARY HIGHWAY
 - ||||| FLOOD CONTROL STRUCTURE
 - HYDRAULIC STRUCTURES
 - BRIDGE
 - 750-YEAR FLOOD INUNDATION EXTENT**
 - 750-YEAR FLOOD EXTENT
 - 750-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
 - DISCHARGE
 - LEE CREEK FLOW = 862 M³/S



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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 750-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 3 OF 5



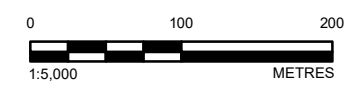
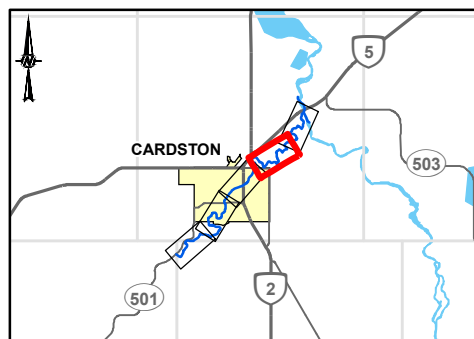
SHEET 3 ↑

↓ SHEET 5

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LEGEND		
— CROSS SECTION	FLOOD CONTROL STRUCTURE	750-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	750-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	750-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 862 M ³ /S	



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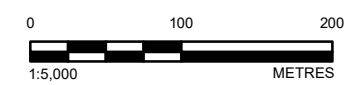
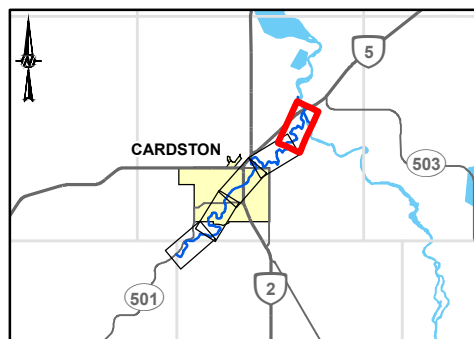
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PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 750-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 4 OF 5

SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
	FLOOD CONTROL STRUCTURE
—	BRIDGE
■	750-YEAR FLOOD INUNDATION EXTENT
■	750-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 862 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
750-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 5 OF 5

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SHEETS 1-5

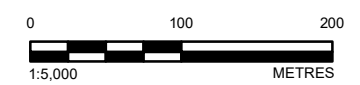
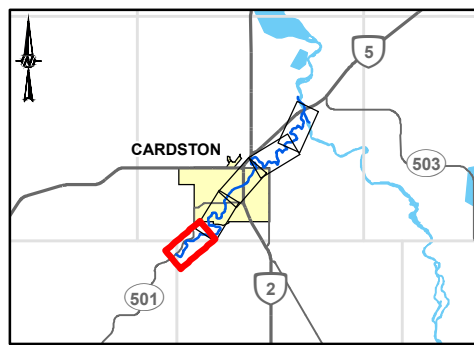
1000-Year Flood Inundation Extent



SHEET 2 ↓

LEGEND

- CROSS SECTION
- XS#100 CROSS SECTION NUMBER
- RS 304 RIVER STATION (M)
- STUDY BOUNDARY
- ➔ FLOW DIRECTION
- LOCAL ROAD
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- ▬ FLOOD CONTROL STRUCTURE
- HYDRAULIC STRUCTURES
- BRIDGE
- 1000-YEAR FLOOD INUNDATION EXTENT**
- 1000-YEAR FLOOD EXTENT
- 1000-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
- DISCHARGE**
- LEE CREEK FLOW = 959 M³/S



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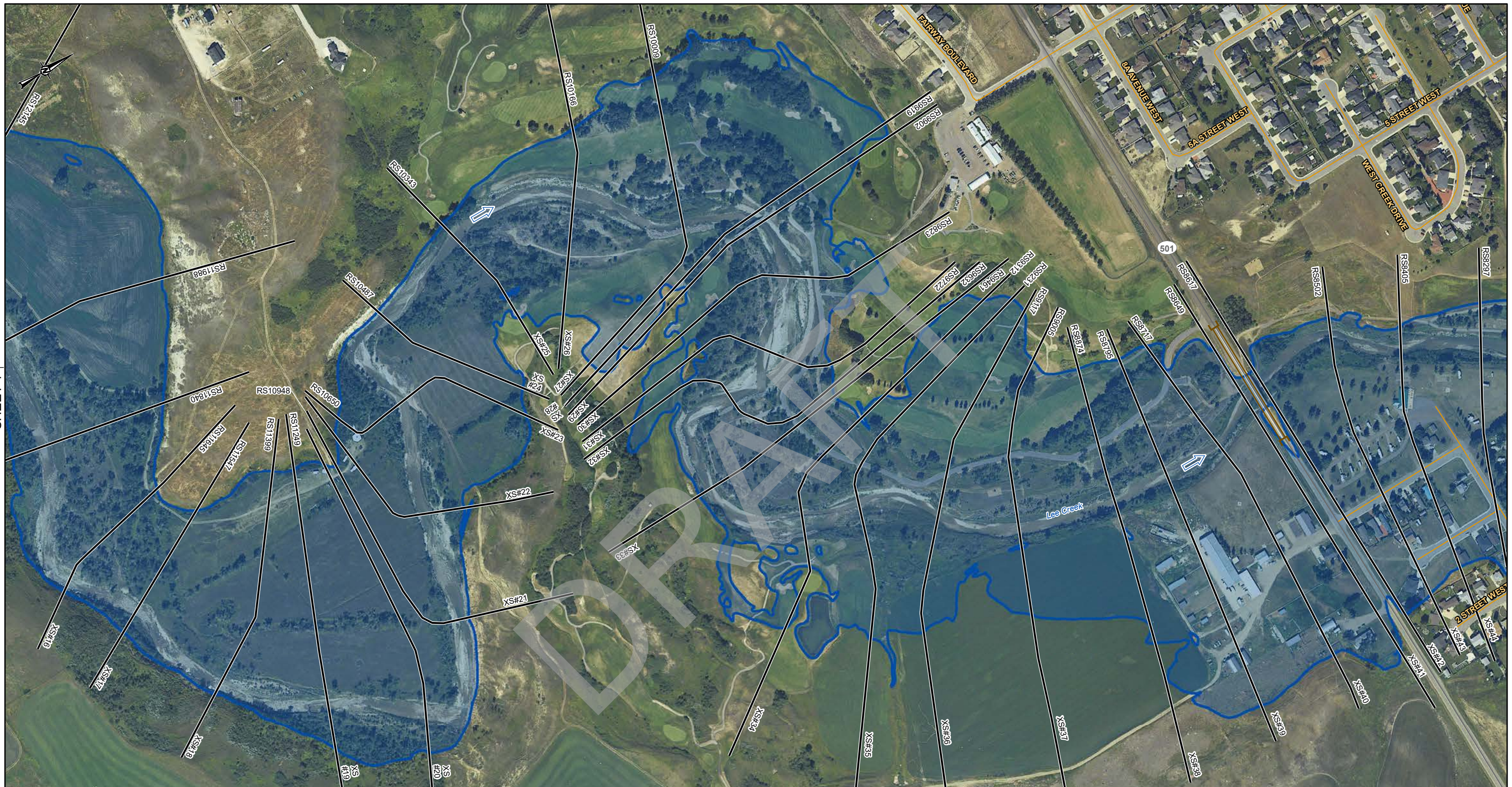


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PROJECT
CARDSTON FLOOD HAZARD STUDY

TITLE
1000-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 1 OF 5



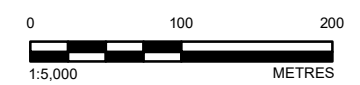
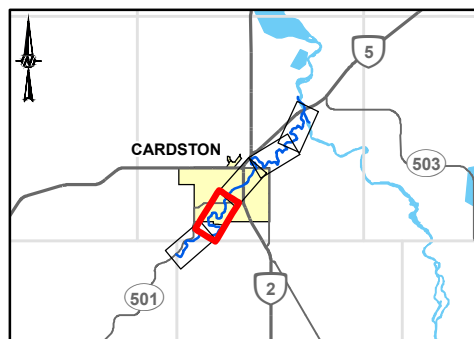
SHEET 1 ↑

↓ SHEET 3

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LEGEND		
— CROSS SECTION	▬ FLOOD CONTROL STRUCTURE	1000-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	1000-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	1000-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
	DISCHARGE	
	LEE CREEK FLOW = 959 M ³ /S	



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PROJECT
CARDSTON FLOOD HAZARD STUDY

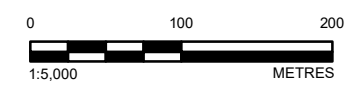
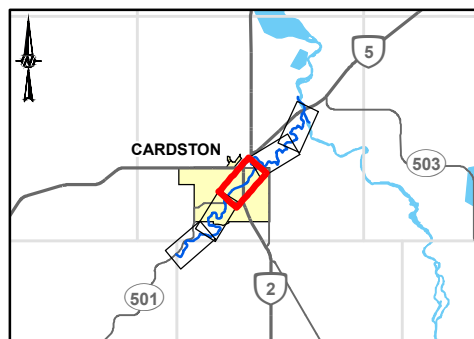
TITLE
1000-YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 2 OF 5



LEGEND

CROSS SECTION	FLOOD CONTROL STRUCTURE	1000-YEAR FLOOD INUNDATION EXTENT
XS#100 CROSS SECTION NUMBER	HYDRAULIC STRUCTURES	1000-YEAR FLOOD EXTENT
RS 304 RIVER STATION (M)	BRIDGE	1000-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
STUDY BOUNDARY		
FLOW DIRECTION		
LOCAL ROAD		
PRIMARY HIGHWAY		
SECONDARY HIGHWAY		
DISCHARGE		
LEE CREEK FLOW = 959 M ³ /S		



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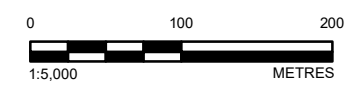
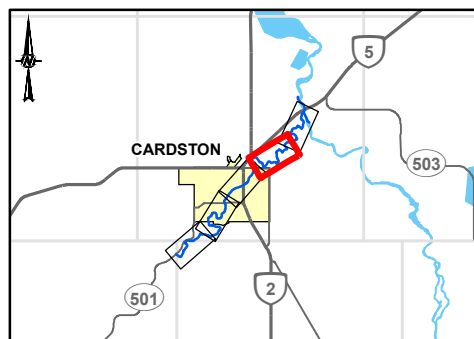
PROJECT CARDSTON FLOOD HAZARD STUDY	
TITLE 1000-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO. 19117525	CONTROL 4000
REV. 0	FIGURE SHEET 3 OF 5



SHEET 3 ↑

↓ SHEET 5

LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
■	STUDY BOUNDARY
➔	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
▬▬▬▬	FLOOD CONTROL STRUCTURE
⌈—⌋	BRIDGE
■	1000-YEAR FLOOD INUNDATION EXTENT
■	1000-YEAR FLOOD EXTENT
■	1000-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	
LEE CREEK FLOW = 959 M ³ /S	



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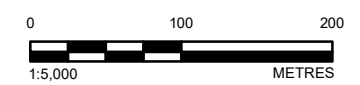
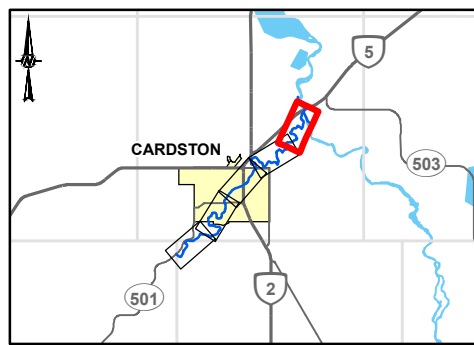
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PROJECT		CARDSTON FLOOD HAZARD STUDY	
TITLE		1000-YEAR FLOOD INUNDATION EXTENT	
PROJECT NO.	CONTROL	REV.	FIGURE
19117525	4000	0	SHEET 4 OF 5

SHEET 4 ↑



LEGEND	
—	CROSS SECTION
XS#100	CROSS SECTION NUMBER
RS 304	RIVER STATION (M)
—	STUDY BOUNDARY
→	FLOW DIRECTION
—	LOCAL ROAD
—	PRIMARY HIGHWAY
—	SECONDARY HIGHWAY
—	FLOOD CONTROL STRUCTURE
—	BRIDGE
—	1000-YEAR FLOOD INUNDATION EXTENT
—	1000-YEAR FLOOD EXTENT
—	1000-YEAR FLOOD EXTENT (FLOOD CONTROL STRUCTURE FAILURE)
DISCHARGE	LEE CREEK FLOW = 959 M ³ /S



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PROJECT CARDSTON FLOOD HAZARD STUDY			
TITLE 1000-YEAR FLOOD INUNDATION EXTENT			
PROJECT NO. 19117525	CONTROL 4000	REV. 0	FIGURE SHEET 5 OF 5

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