March.2022

SHEEP RIVER FLOOD HAZARD STUDY

OPEN WATER FLOOD INUNDATION MAP LIBRARY

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Submitted to:
Alberta Environment and Parks
11th Floor, Oxbridge Place
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Edmonton, AB T5K 2J6

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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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2-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

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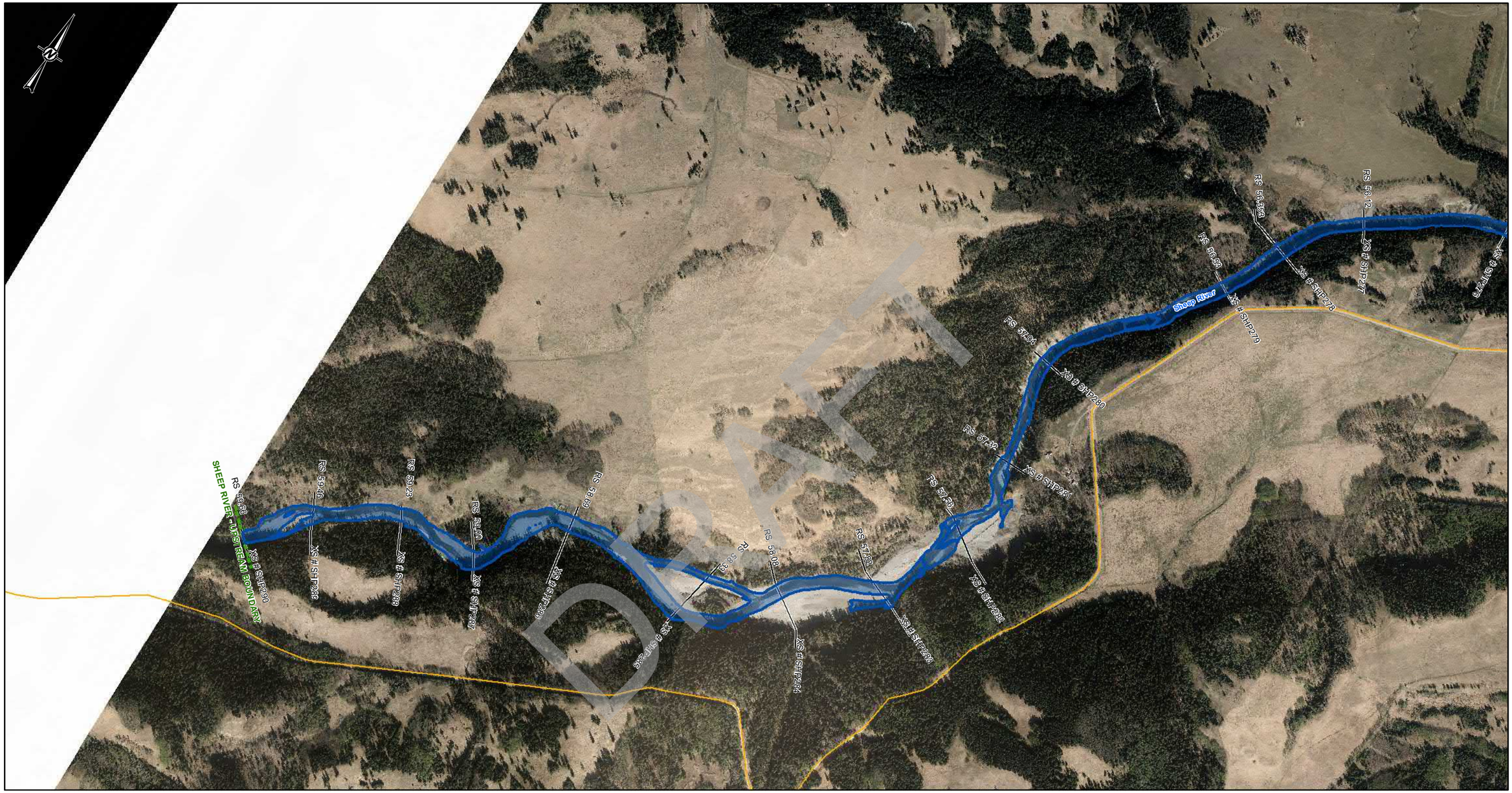

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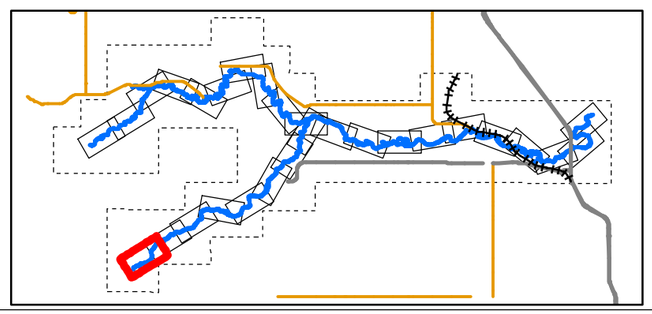
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 61.5 m³/s



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Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 1 of 28

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SHEET 3 ↑

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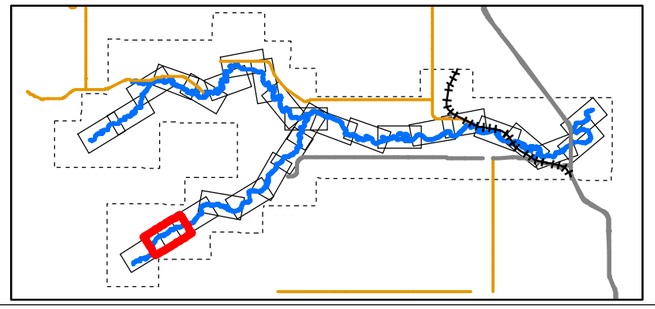

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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 2 of 28

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SHEET 2 ↑

SHEET 4 ↑

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- DIRECT INUNDATION AREA

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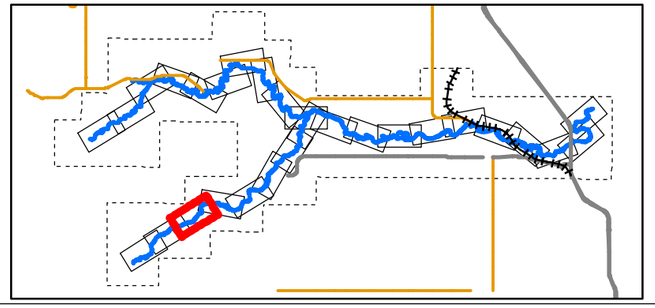

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TITLE
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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 3 of 28

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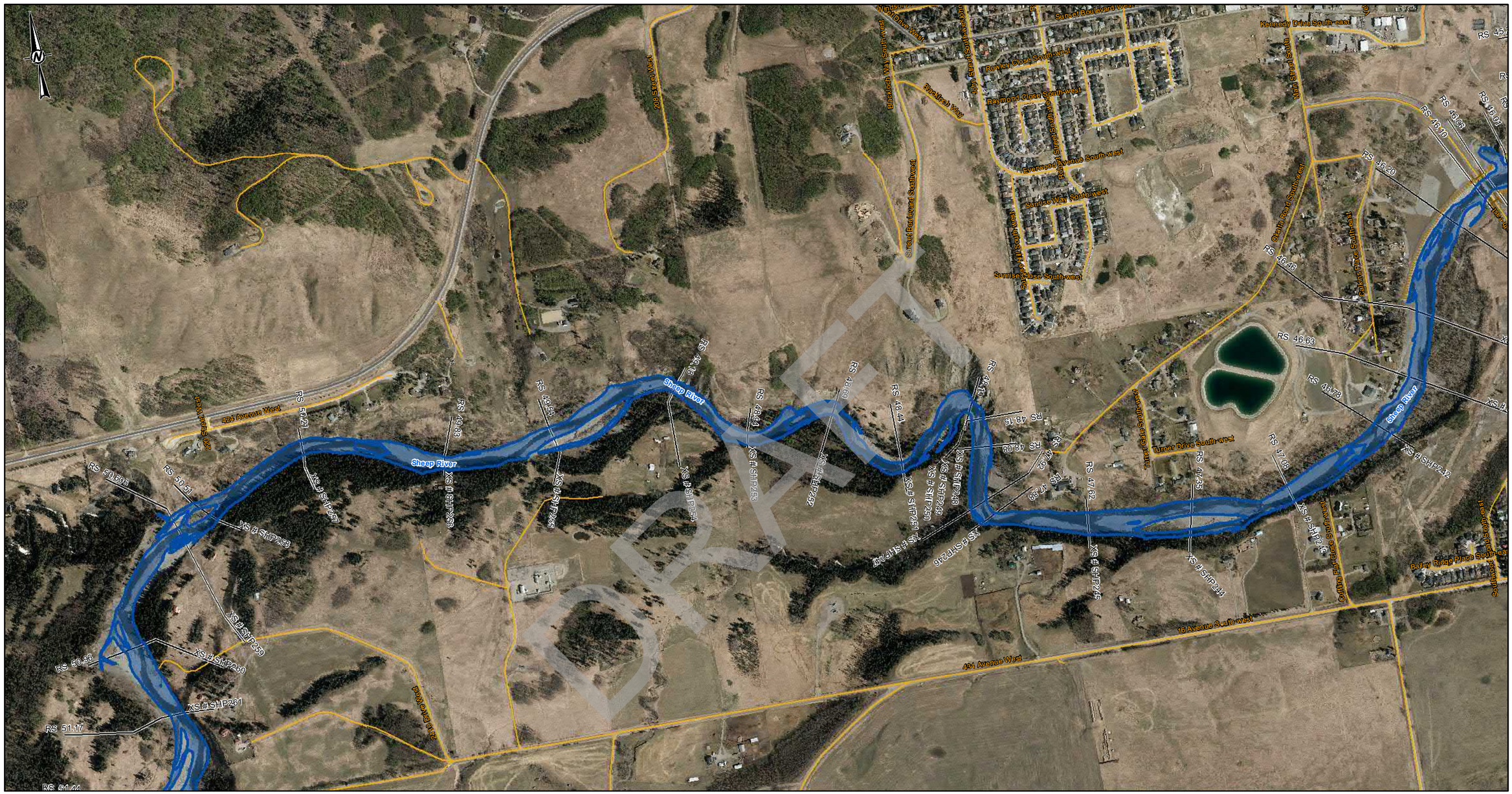
SHEET 5 ↑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XS # SHP262
XS # SHP261
XS # SHP260
XS # SHP259
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XS # SHP256
XS # SHP255
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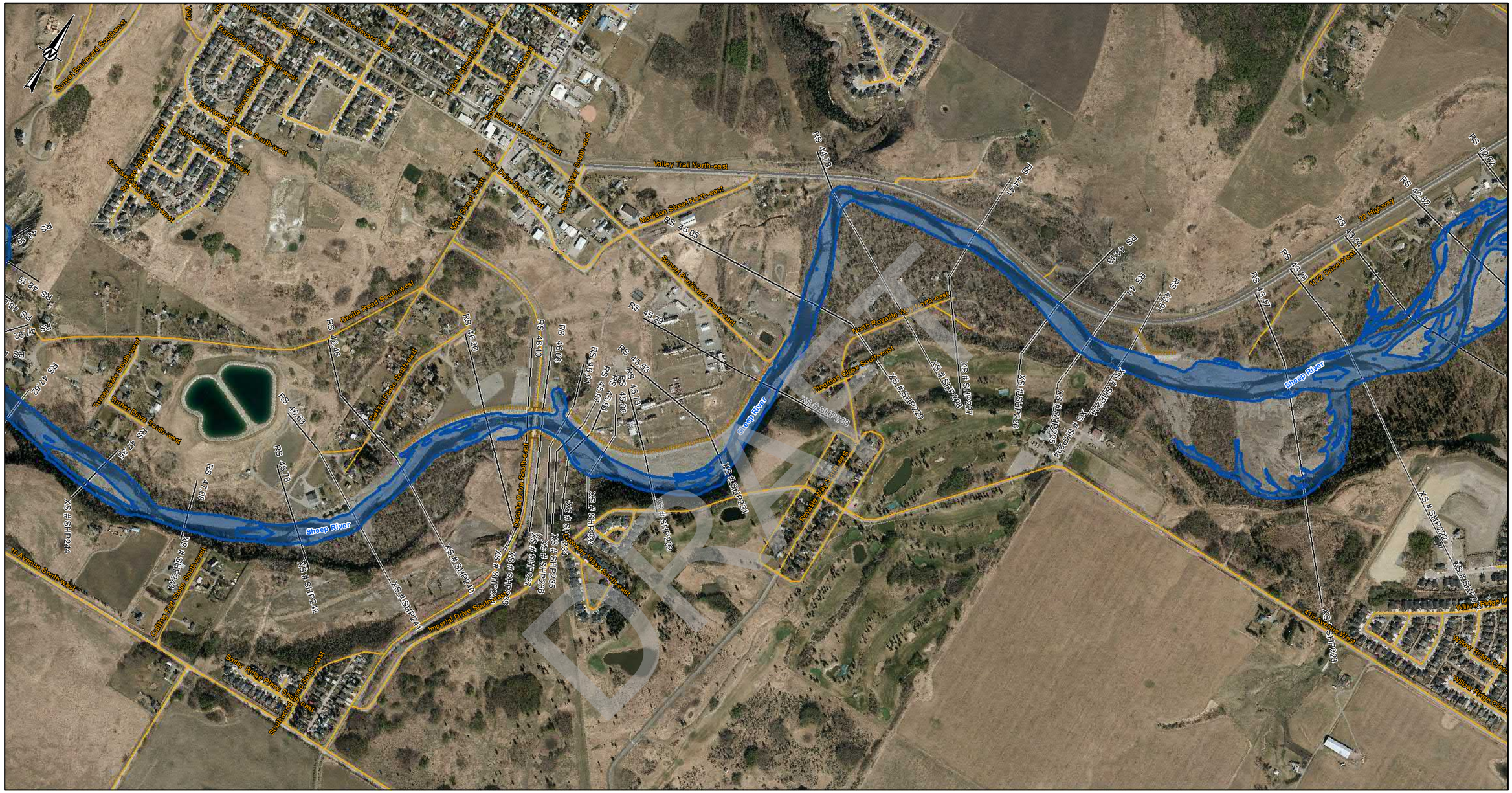
XS # SHP249
XS # SHP248
XS # SHP247
XS # SHP246
XS # SHP245
XS # SHP244
XS # SHP243
XS # SHP242
RS 51.44
RS 51.17
RS 50.96
RS 50.51
RS 50.309
RS 50.21
RS 49.88
RS 49.64
RS 49.00
RS 48.41
RS 48.15
RS 48.08
RS 47.62
RS 47.35
RS 47.08
RS 46.79
RS 46.68
RS 46.48
RS 46.20
RS 45.91
RS 45.71
RS 45.41
424 Avenue West
484 Avenue West
16 Avenue South-west
Kennedy Drive South-west
Sunset Boulevard West
Rowley Close Southwest
Raymond Close South-west
Worcester Street South-west
Everwood Avenue South-west
Sunrise Way Southwest
Sunrise Close South-west
Quarry Road South-west
Turner Drive South-west
Bailey Ridge Place Southwest
Bailey Ridge Crescent Southwest
Bailey Ridge Drive Southwest
Bailey Ridge Gate Southwest
Bailey Ridge Manor Southwest
Bailey Ridge Point Southwest
Bailey Ridge Rise Southwest
Bailey Ridge Terrace Southwest
Bailey Ridge View Southwest
Bailey Ridge Way Southwest
Bailey Ridge Boulevard Southwest
Bailey Ridge Close

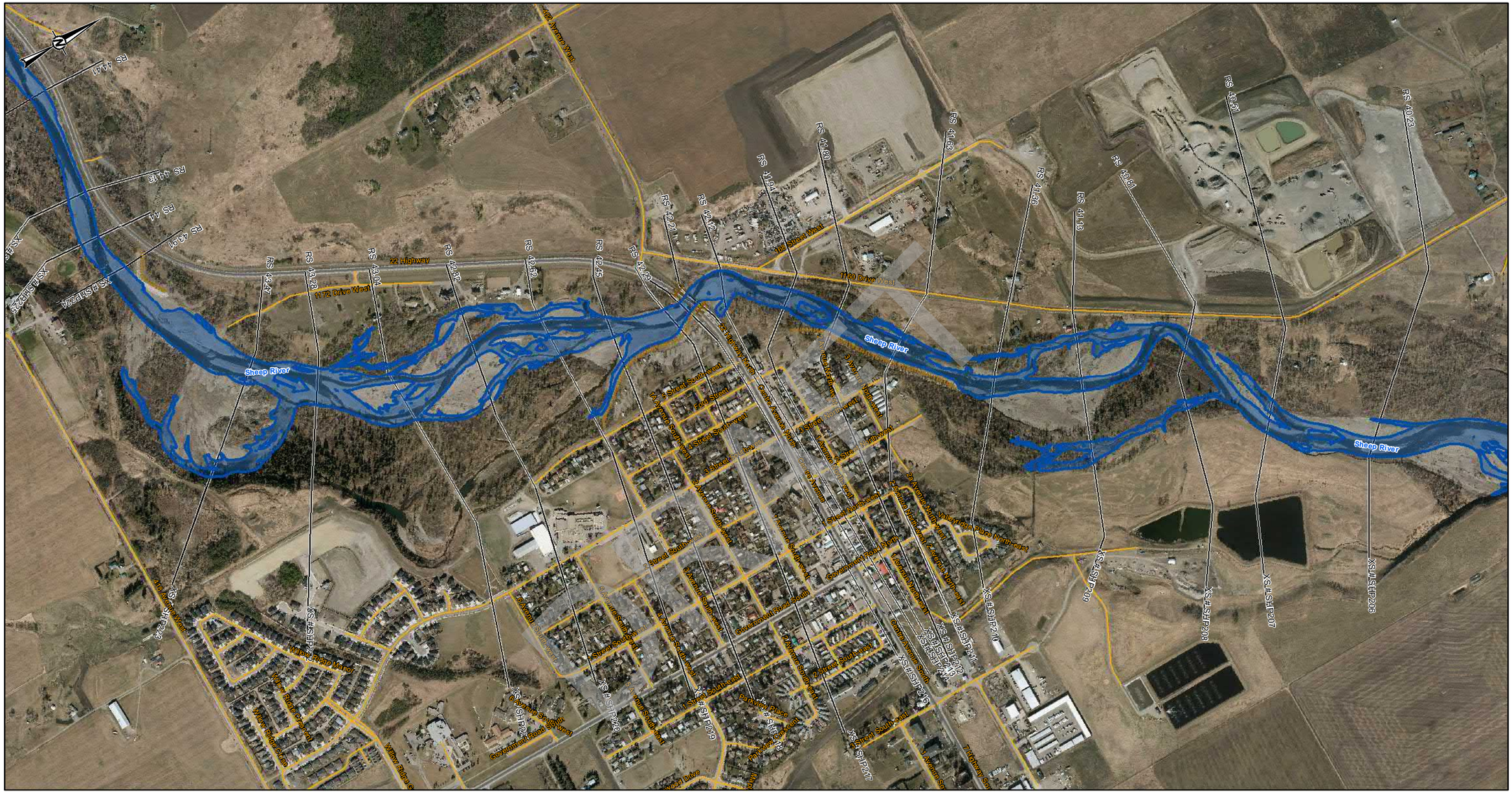
SHEET 6 ↑

SHEET 4 ↑


Sheep River
Valley Trail North-east
Morrison Street North-east
Simard Boulevard South-east
Kennedy Drive South-east
Kelly Street South
Oakfield Park Close South-west
Oakfield Park Drive South-west
Oakfield Way South-west
Simard Boulevard West
Simard Boulevard South-west
Fairforest Close South-west
Fairforest Drive South-west
Fairforest Way South-west
Fairforest Crescent South-west
Fairforest Place South-west
Fairforest Close South-west
Fairforest Drive South-west
Fairforest Way South-west
Fairforest Crescent South-west
Fairforest Place South-west
Oakfield Park Close South-west
Oakfield Park Drive South-west
Oakfield Park Way South-west
Oakfield Park Crescent South-west
Oakfield Park

SHEET 5 ↑

SHEET 7 ↑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RS 44.41
RS 44.13
RS 44
RS 43.97
XS #SHP225
XS #SHP224
RS 43.47
RS 43.28
RS 43.04
RS 42.82
RS 42.62
RS 42.45
RS 42.21
RS 42.12
RS 41.97
RS 41.80
RS 41.63
RS 41.36
RS 41.18
RS 40.91
RS 40.51
RS 40.23
22 Highway
1172 Drive West
1180 Drive West
182 Street West
Sheep River
Willow Ridge Road West
Willow Ridge Crescent
Willow Ridge Close
Willow Ridge Drive
Government Road South
Government Road South West
Government Road South East
Government Road Service Road
2 Avenue South West
3 Avenue South West
4 Avenue South West
5 Avenue South West
6 Avenue South West
7 Avenue South West
8 Avenue South West
2 Street South West
3 Street South West
4 Street South West
5 Street South West
6 Street South West
7 Street South West
8 Street South West
Park Place South West
Park Place South East
Park Place South
Park Place
Park Place Crescent
Park Place Close
Park Place Drive
Park Place Court
Park Place Road
Park Place Road West
Park Place Road Northwest
Park Place Road Northeast
Park Place Road East
Park Place Road Southeast
Park Place Road Southwest
Park Place Road South
Park Place Road South West
Park Place Road South East
Park Place Road Service Road
Park Place Road Service Road West
Park Place Road Service Road East
Park Place Road Service Road Southeast
Park Place Road Service Road Southwest
Park Place Road Service Road South
Park Place Road Service Road South West
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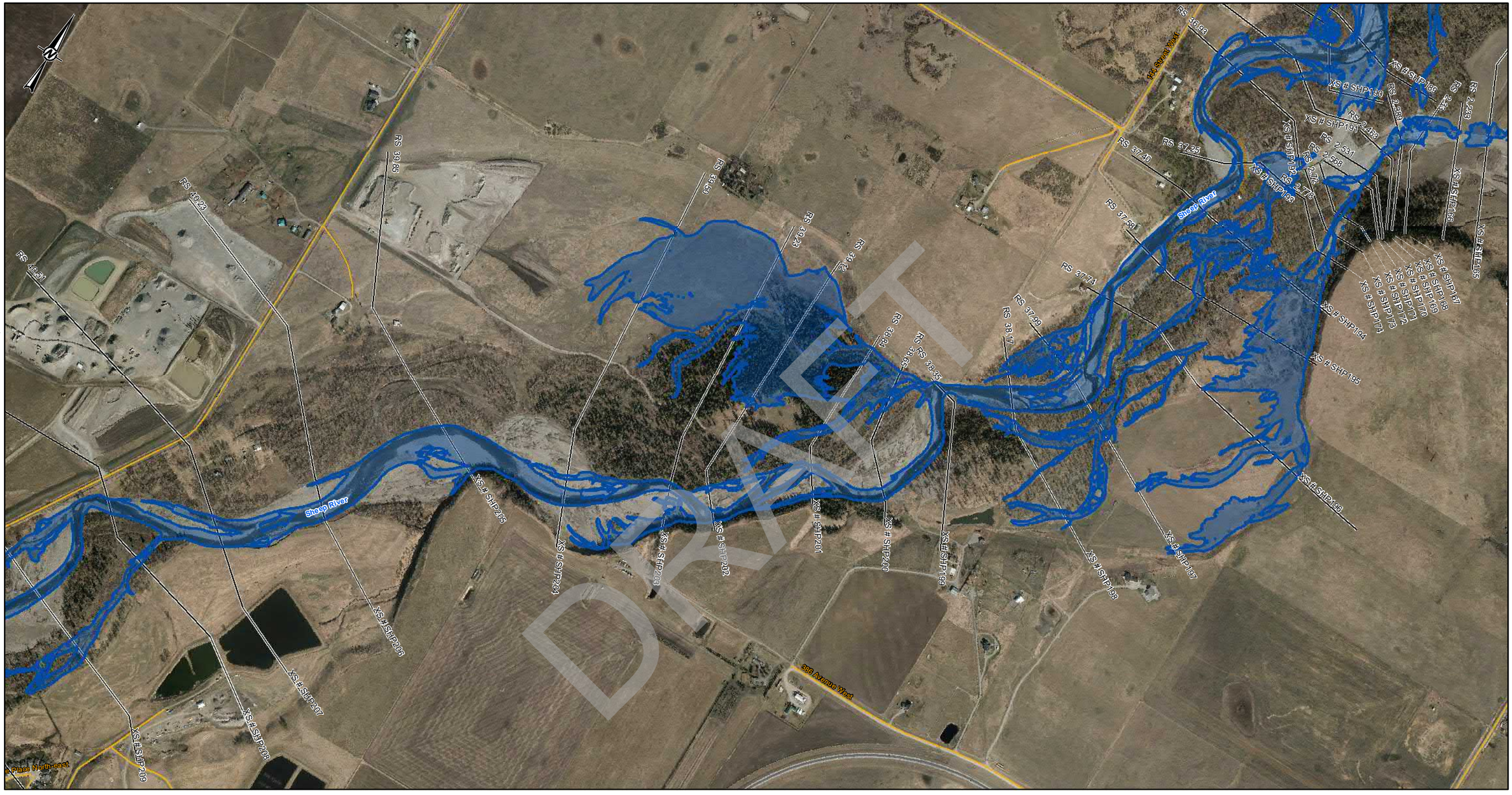
Park Place Road Service Road Northwest
Park Place Road Service Road Northeast
Park Place Road Service Road East
Park Place Road Service Road West

SHEET 6 ↑

SHEET 8 ↑



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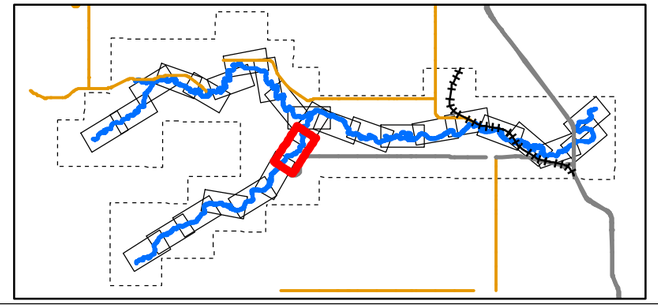
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 61.5 m^3/s



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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 7 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
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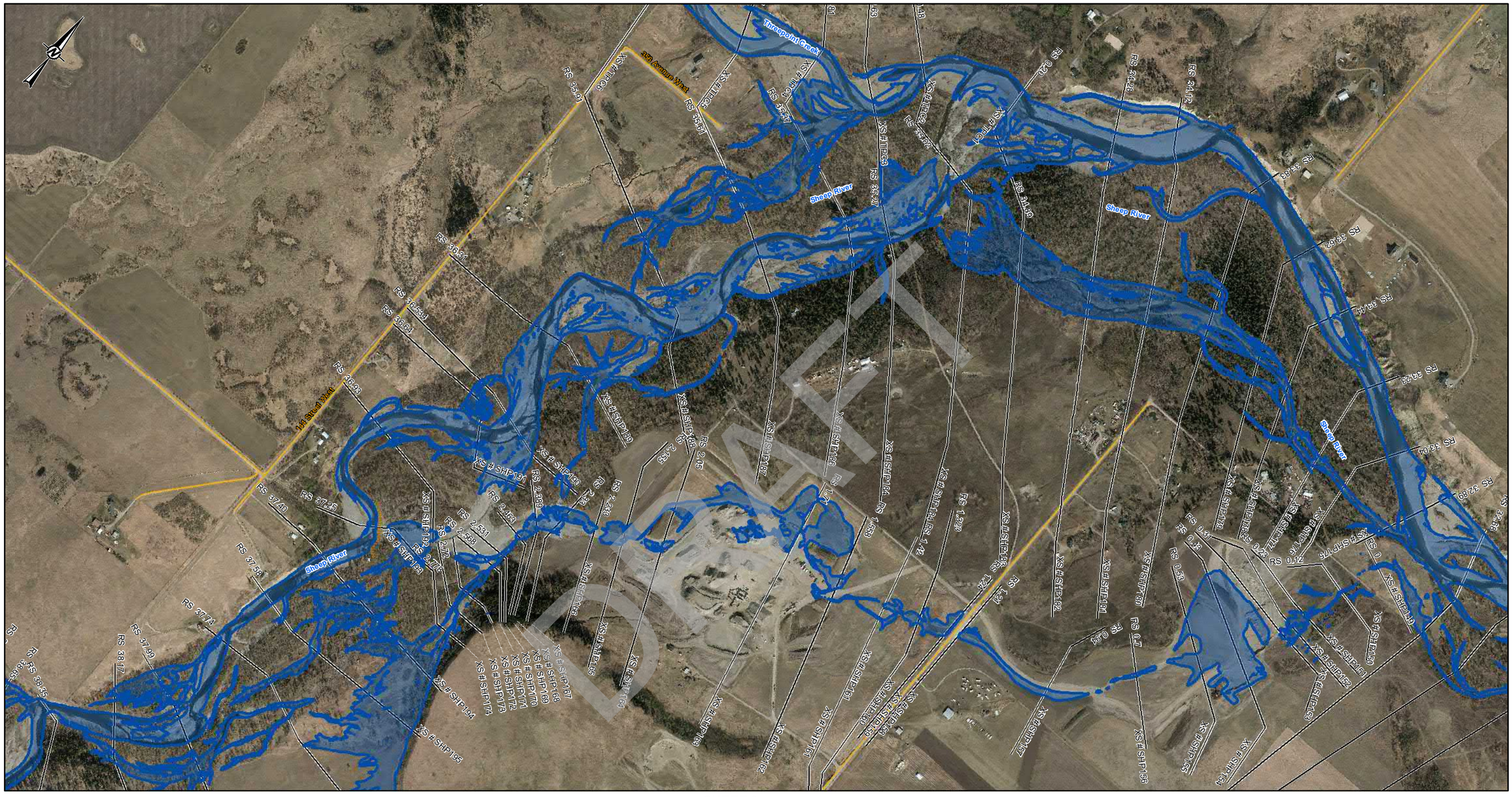
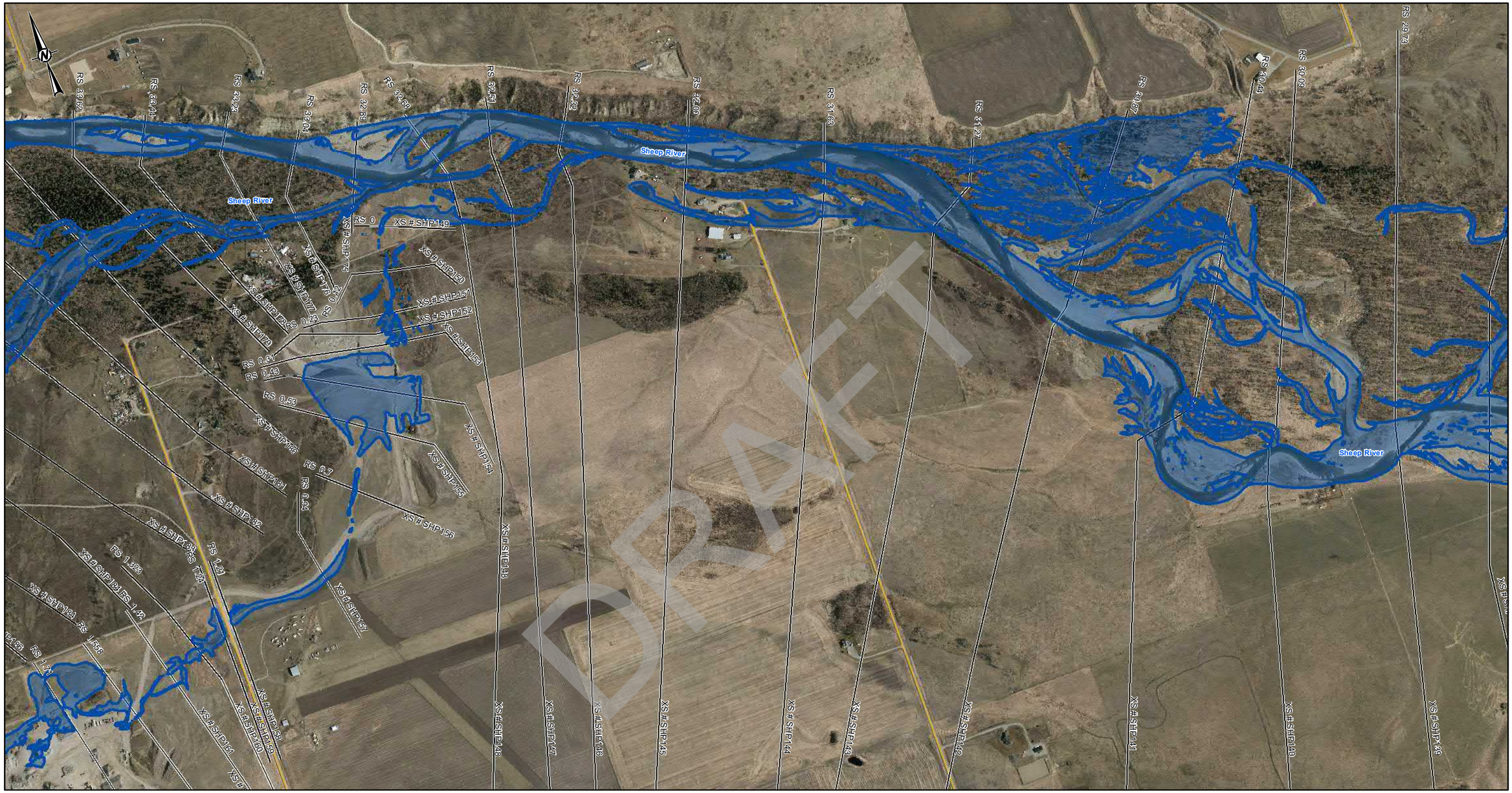
SHEET 7 ↑


Threepoint Creek
Sheep River
Sheep River
Sheep River

SHEET 8 ↑

SHEET 10 ↑



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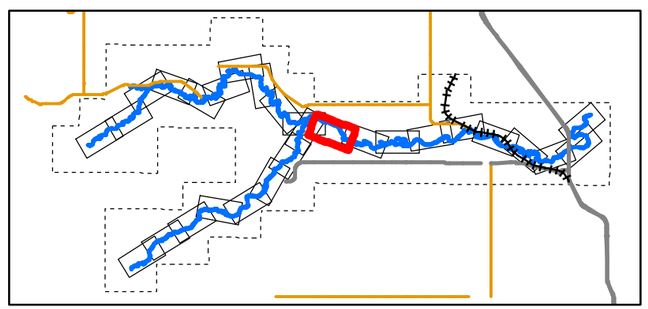
2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 158 m^3/s



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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 9 of 28

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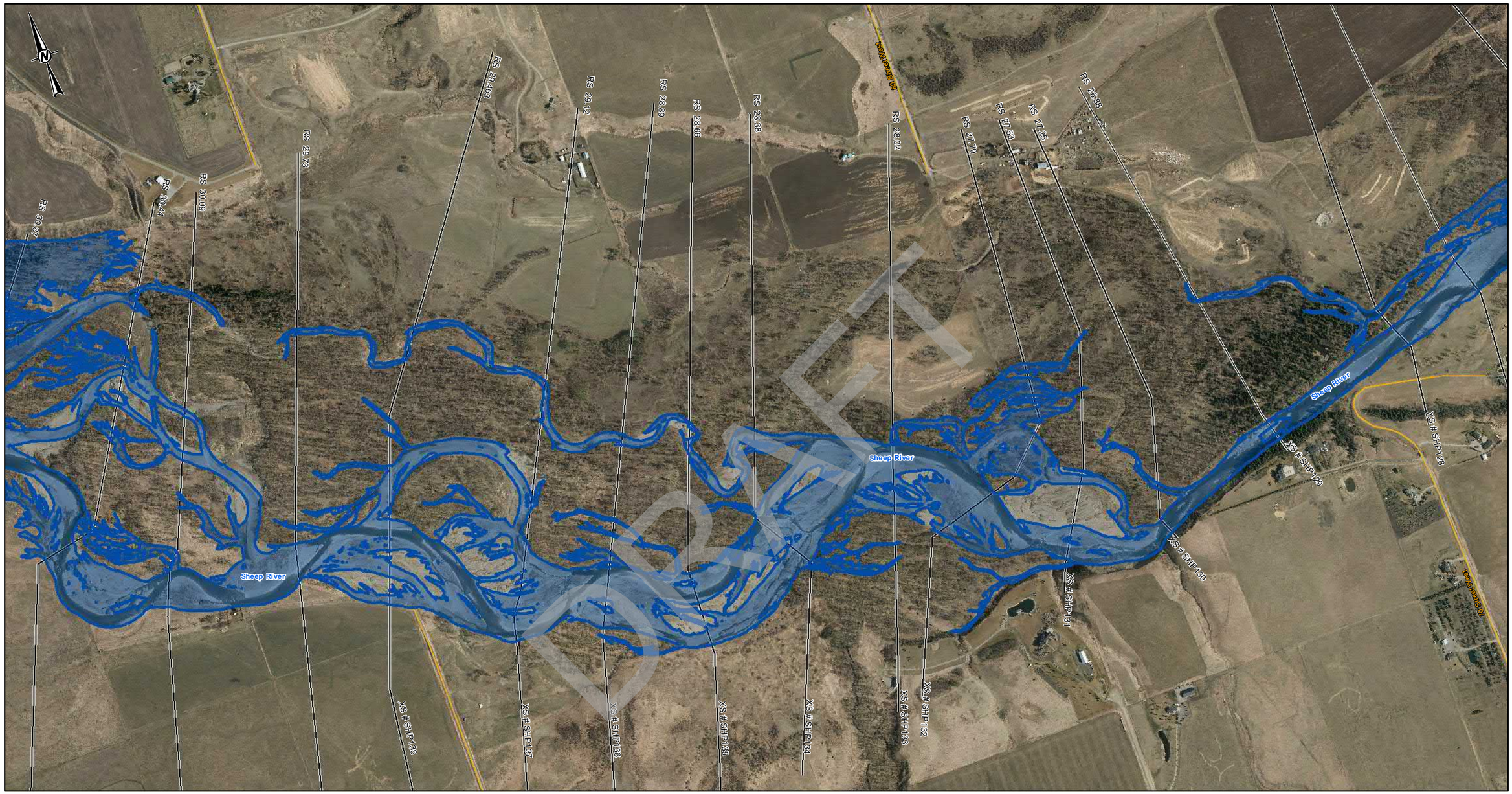
SHEET 11 ↑



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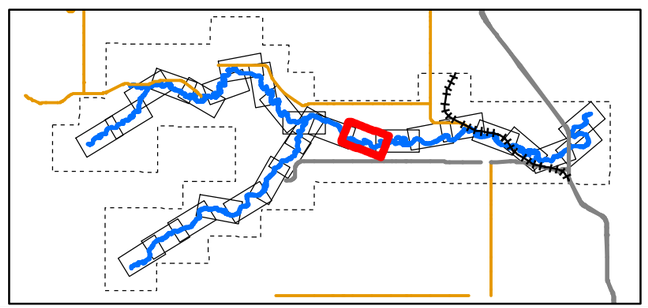

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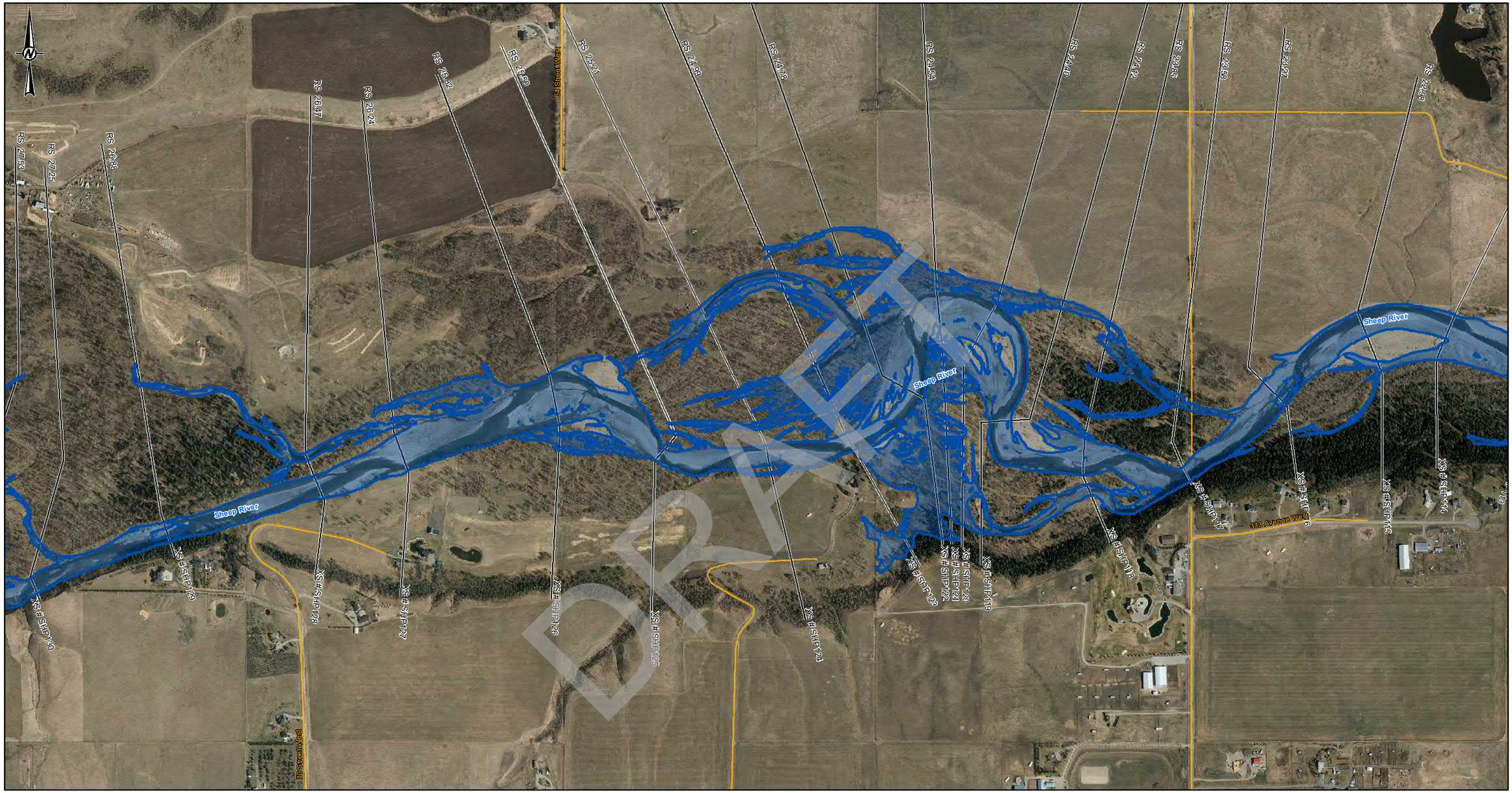
SHEET 10 ↑

SHEET 12 ↑



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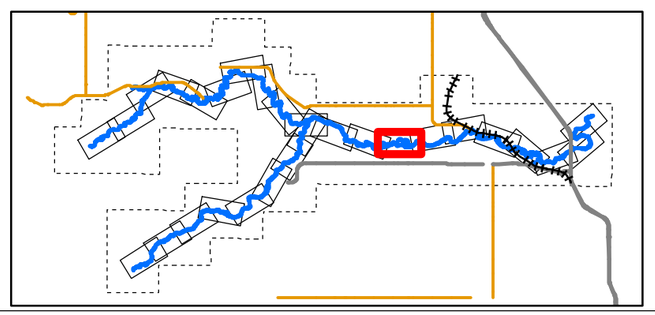

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H/355730	228-274-0001-3333	0	Sheet 11 of 28

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SHEET 13 ↑

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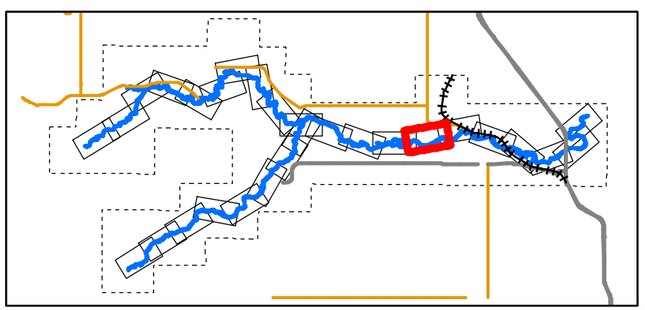

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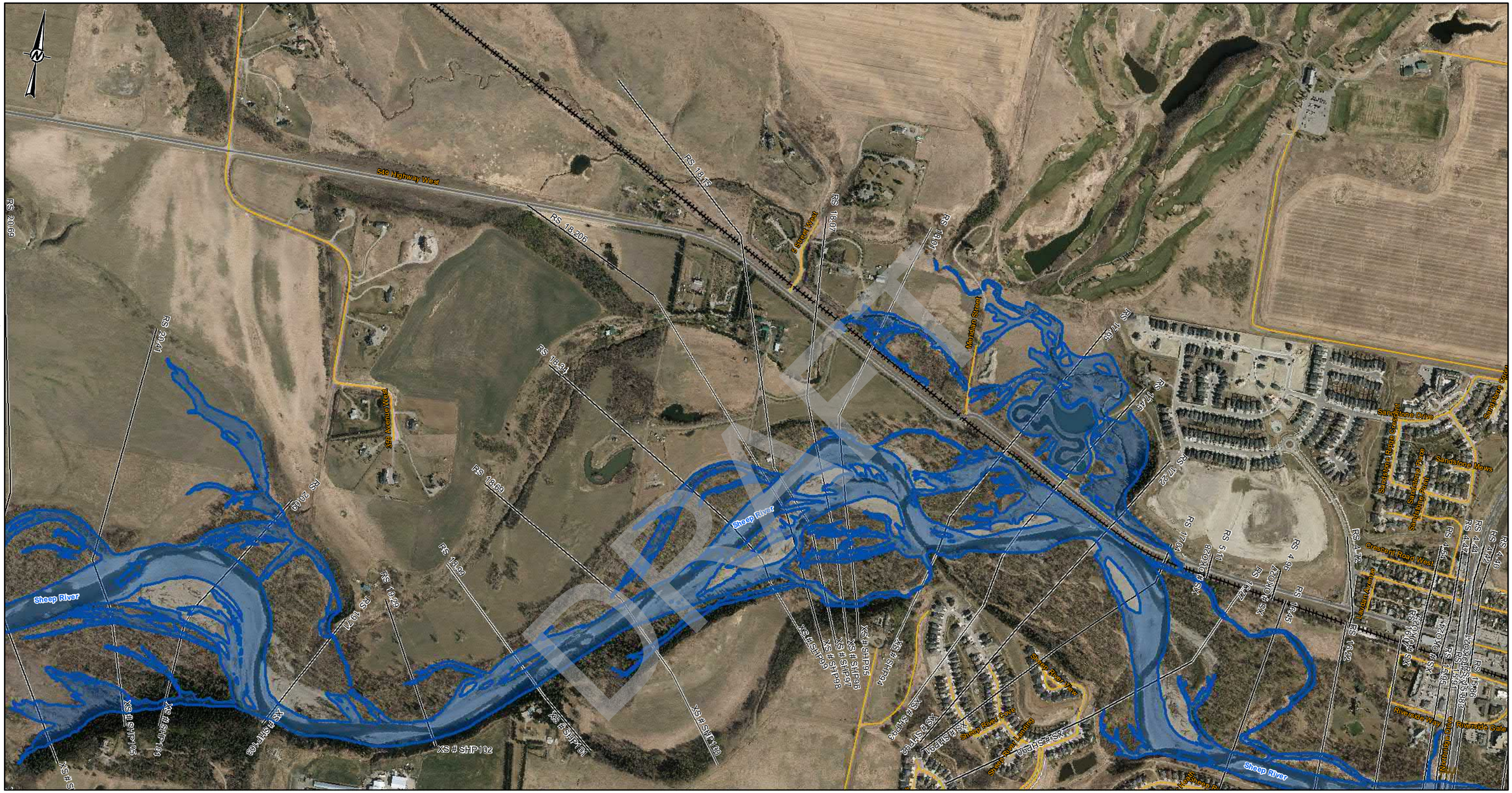
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



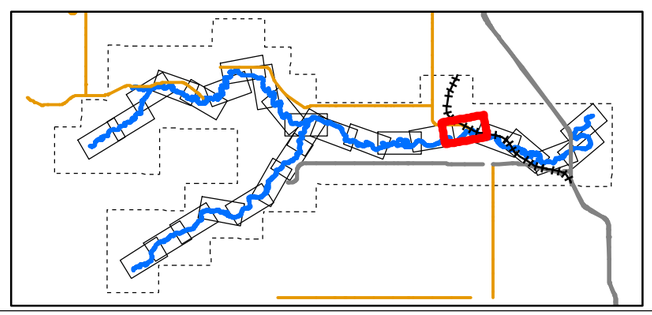
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 158 m³/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 13 of 28

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

25mm

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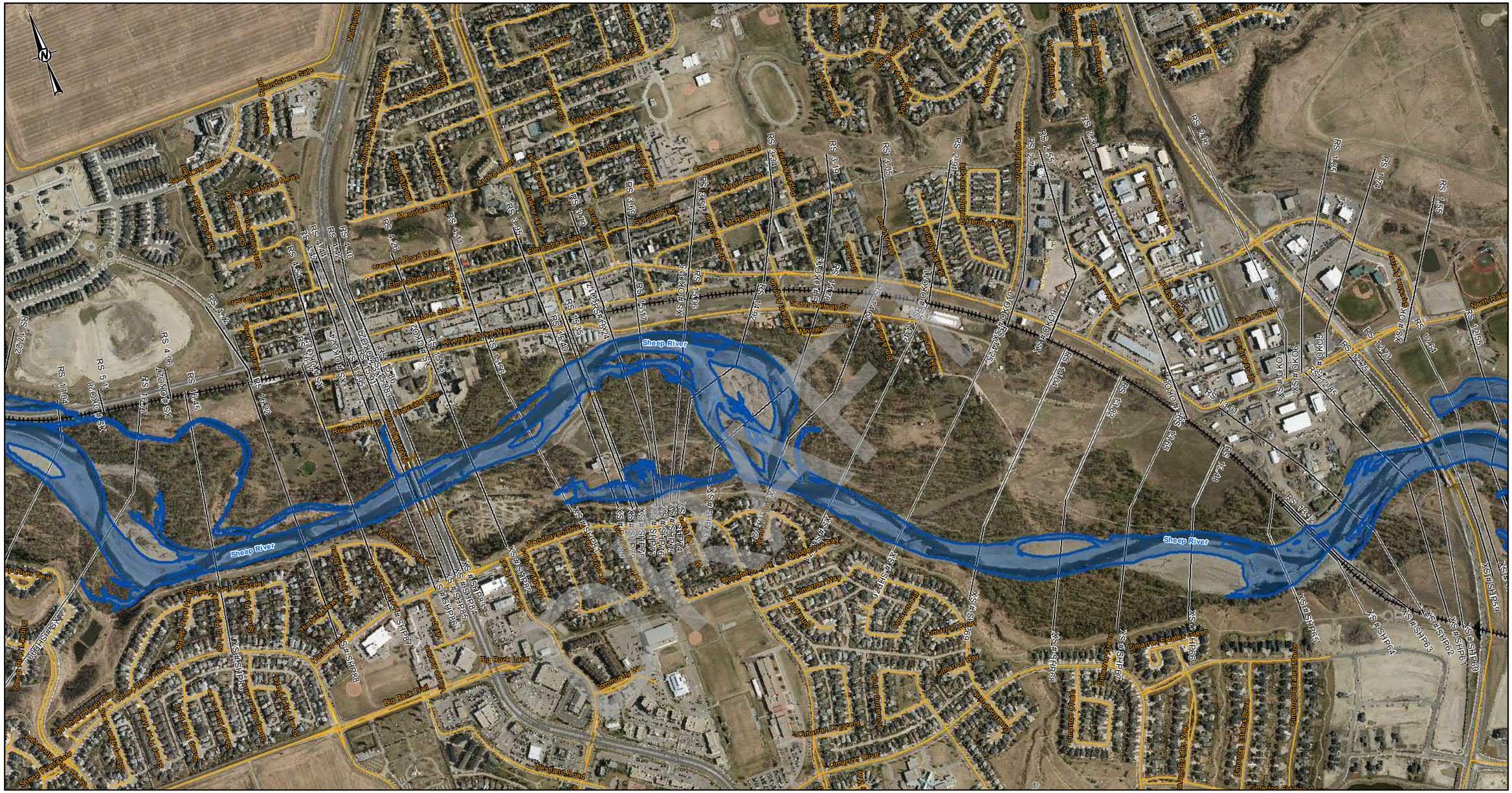
Classification: Public

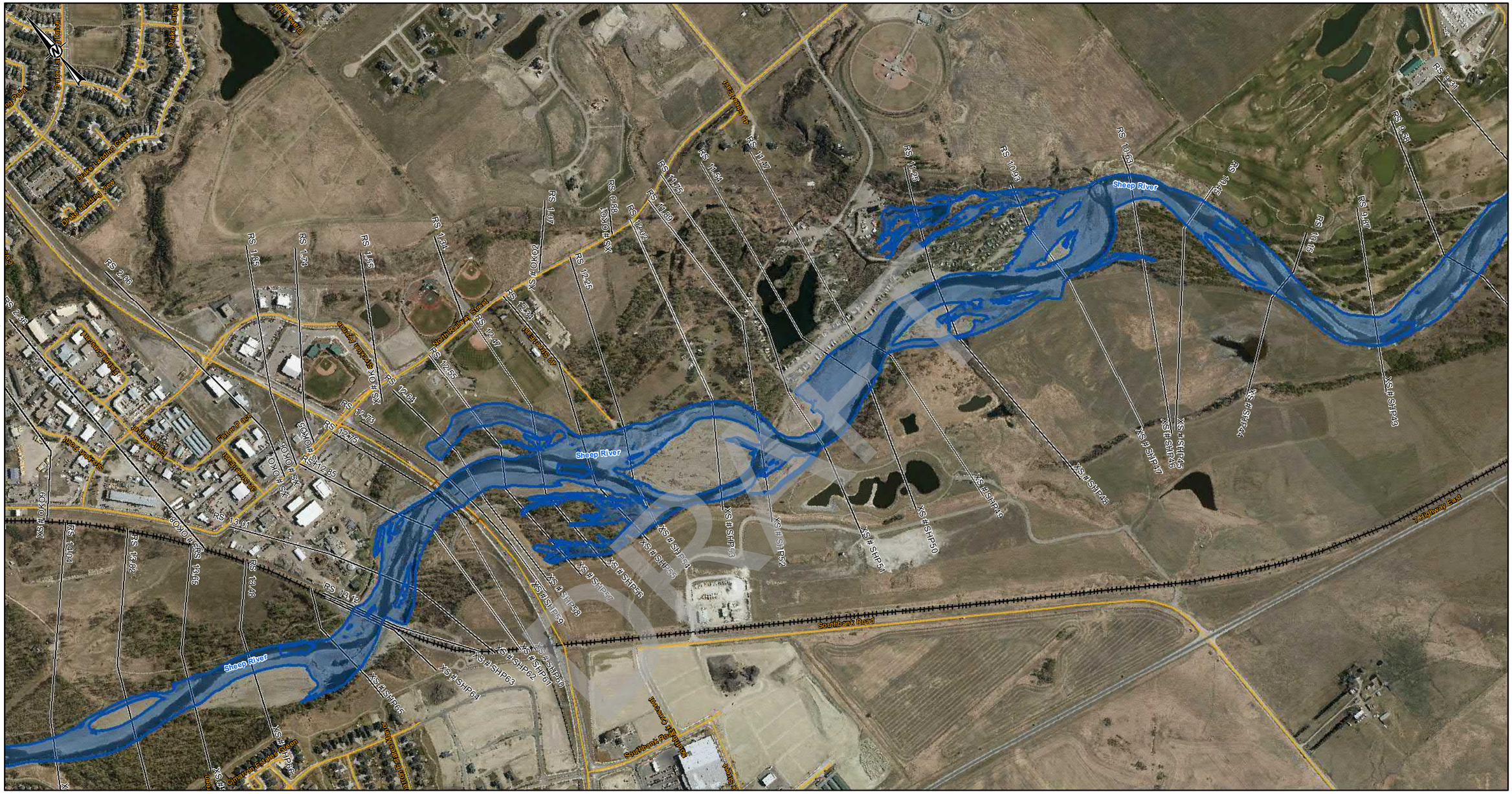
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Sheep River
Sheep River

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
Dakota Landing Road
Dakota Landing Road
Dakota Landing Road

SHEET 15 ↑

SHEET 17 ↑

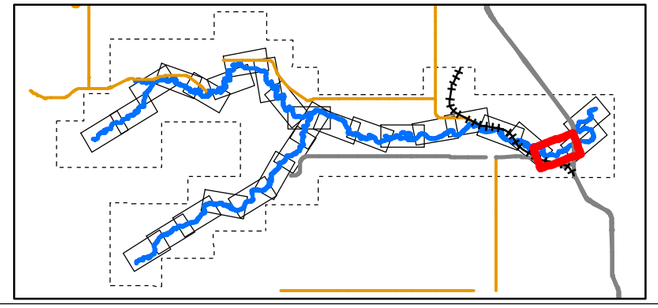
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 166 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 16 of 28

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

0 20mm

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Classification: Public

SHEET 18 ↑

SHEET 16 ↑

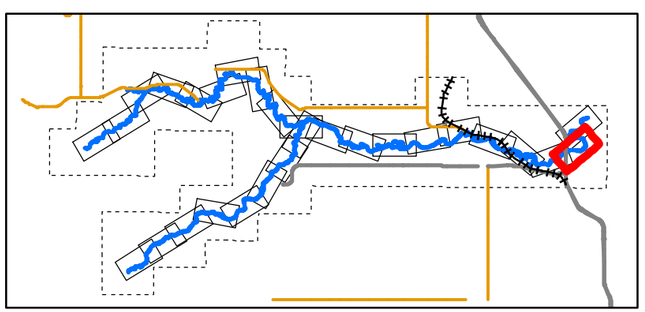
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 166 m^3/s



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1:10,000 METRES

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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 17 of 28

DRAFT

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 20mm

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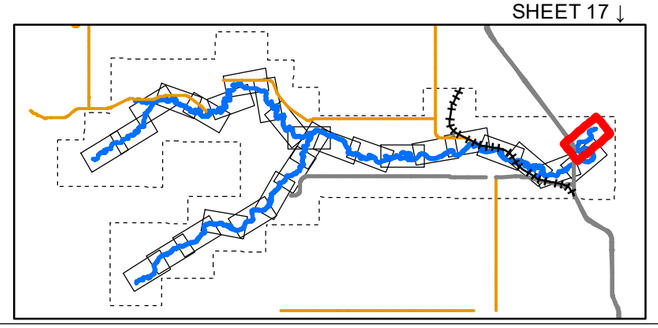
Classification: Public

SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 166 m³/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 18 of 28

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

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Classification: Public

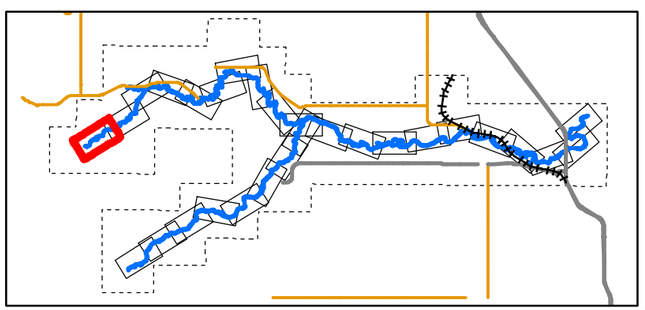
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 26.8 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 19 of 28

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

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

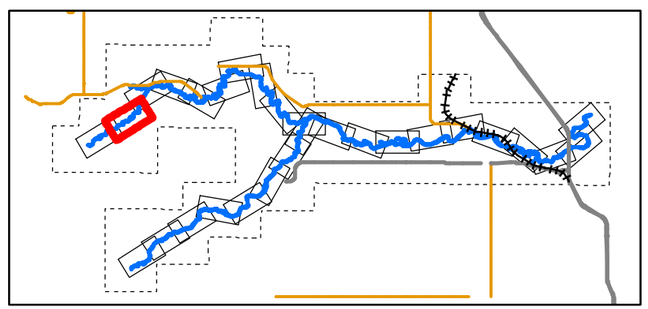
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 26.8 m^3/s



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1:10,000 METRES

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Alberta Government

CONSULTANT
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 20 of 28

D R A F T

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0 20mm

Classification: Public

SHEET 20 ↑

SHEET 22 ↑

DRAFT

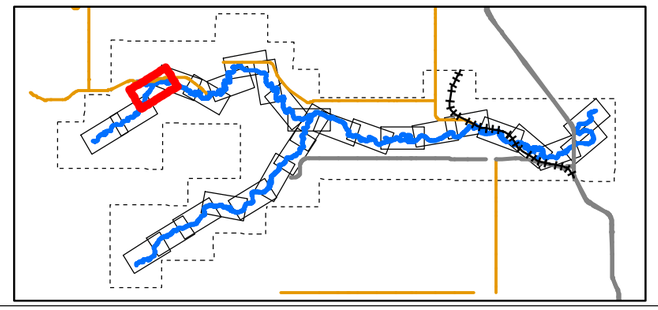
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 26.8 m³/s
THREEPOINT CREEK= 39.8 m³/s (DS- RS 25.93)



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1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 21 of 28

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

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Classification: Public

SHEET 21 ↑

SHEET 23 ↑

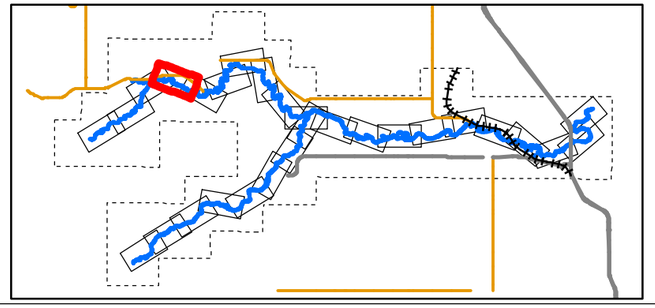
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 39.8 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 22 of 28

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

0 25mm

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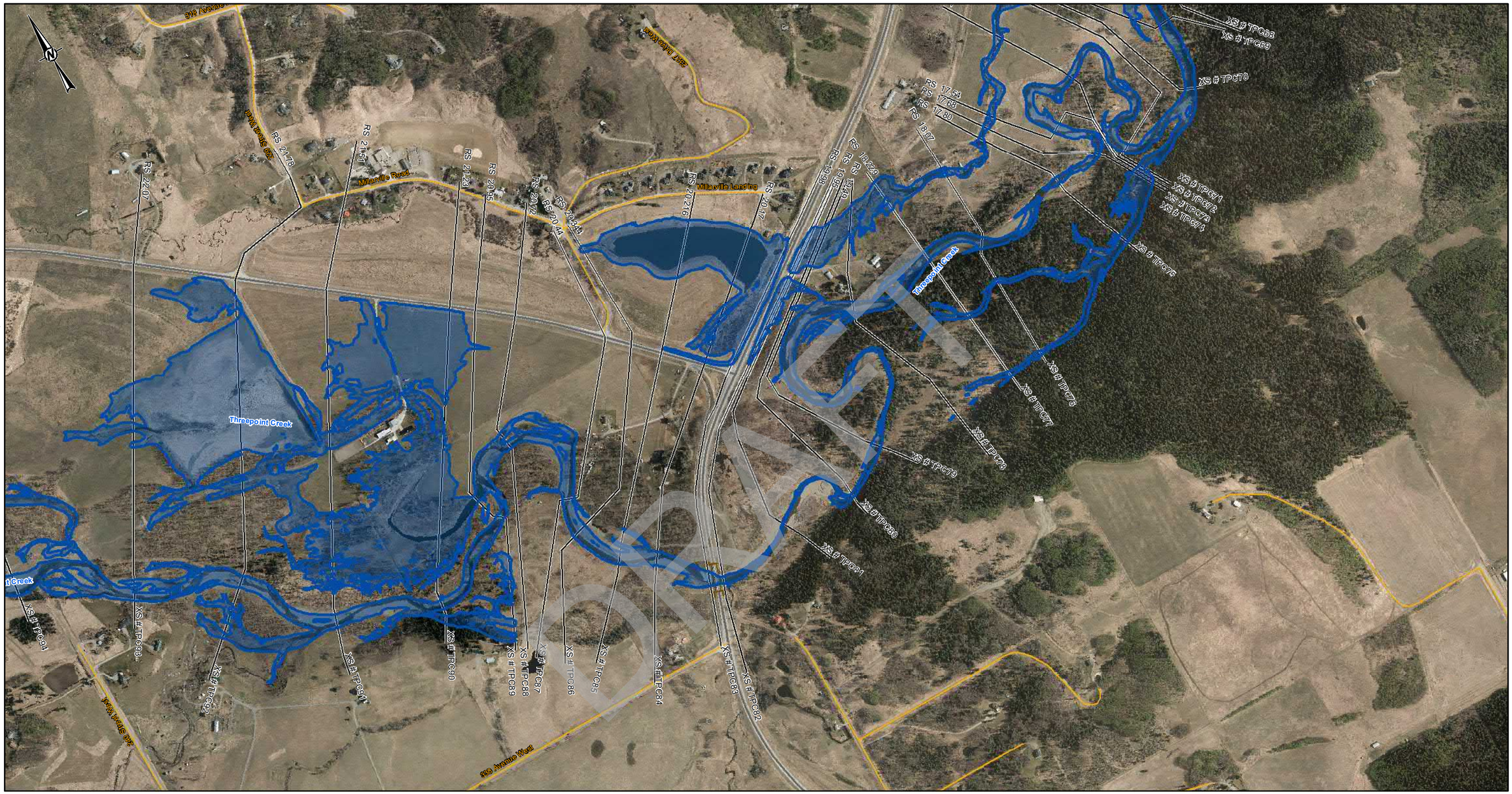
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



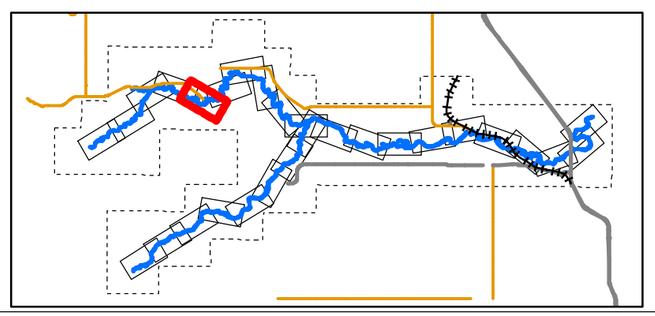
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 39.8 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 23 of 28

C:\Users\sarah.zare\Documents\Projects\WATERPOWER\12346\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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0 25mm

Classification: Public

SHEET 23 ↑

SHEET 25 ↑

DRAFT

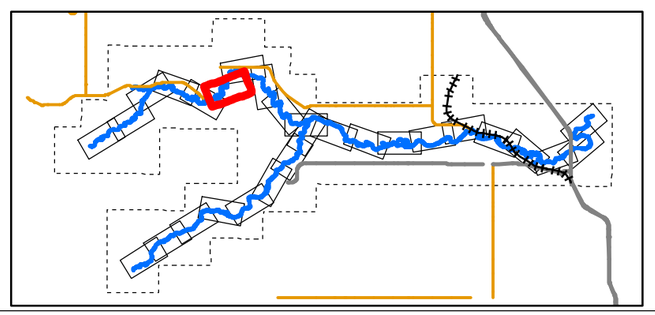
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 39.8 m^3/s
THREEPOINT CREEK= 48.7 m^3 (DS- RS 14.98)



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 24 of 28

Classification: Public

C:\Projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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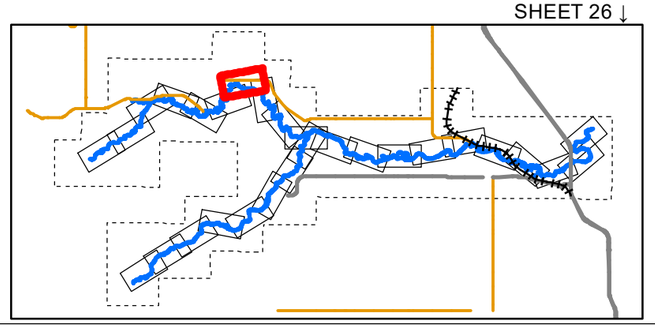
0 25mm

SHEET 24 ↑

SHEET 26 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 48.7 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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TITLE
2- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 25 of 28

DRAFT

C:\cgvista\401\projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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0 25mm

Classification: Public

SHEET 25 ↑

SHEET 27 ↑

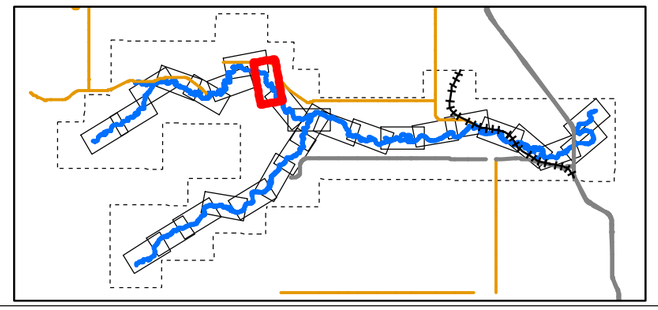
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 48.7 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
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REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 26 of 28

DRAFT

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
0 25mm

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Classification: Public

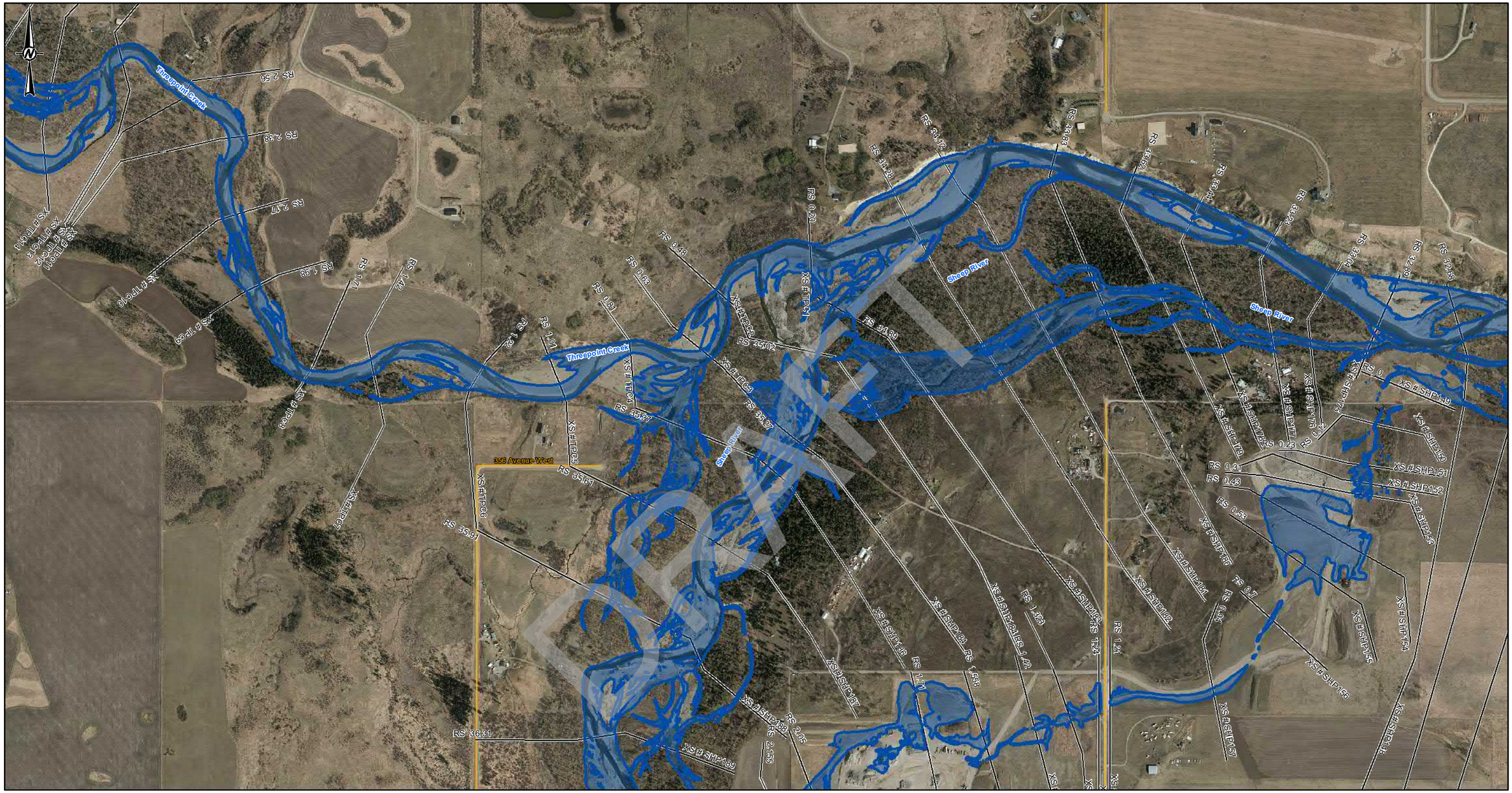
SHEET 26 ↑

SHEET 28 ↑

Threepoint Creek
Threepoint Creek
Threepoint Creek
Trout Creek
Trout Creek
Trout

SHEET 27 ↑

SHEET 9 ↑



DRAFT

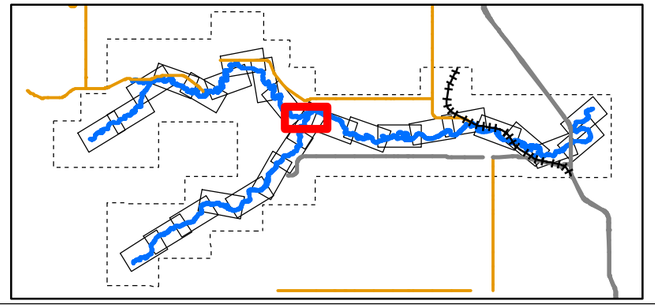
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES_2
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

2-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 48.7 m ^{3}/s
SHEEP RIVER= 61.5 m^3/s
SHEEP RIVER= 110.2 m ^{3}/s (DS- RS 34.28)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
2- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0001-3333	0	Sheet 28 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

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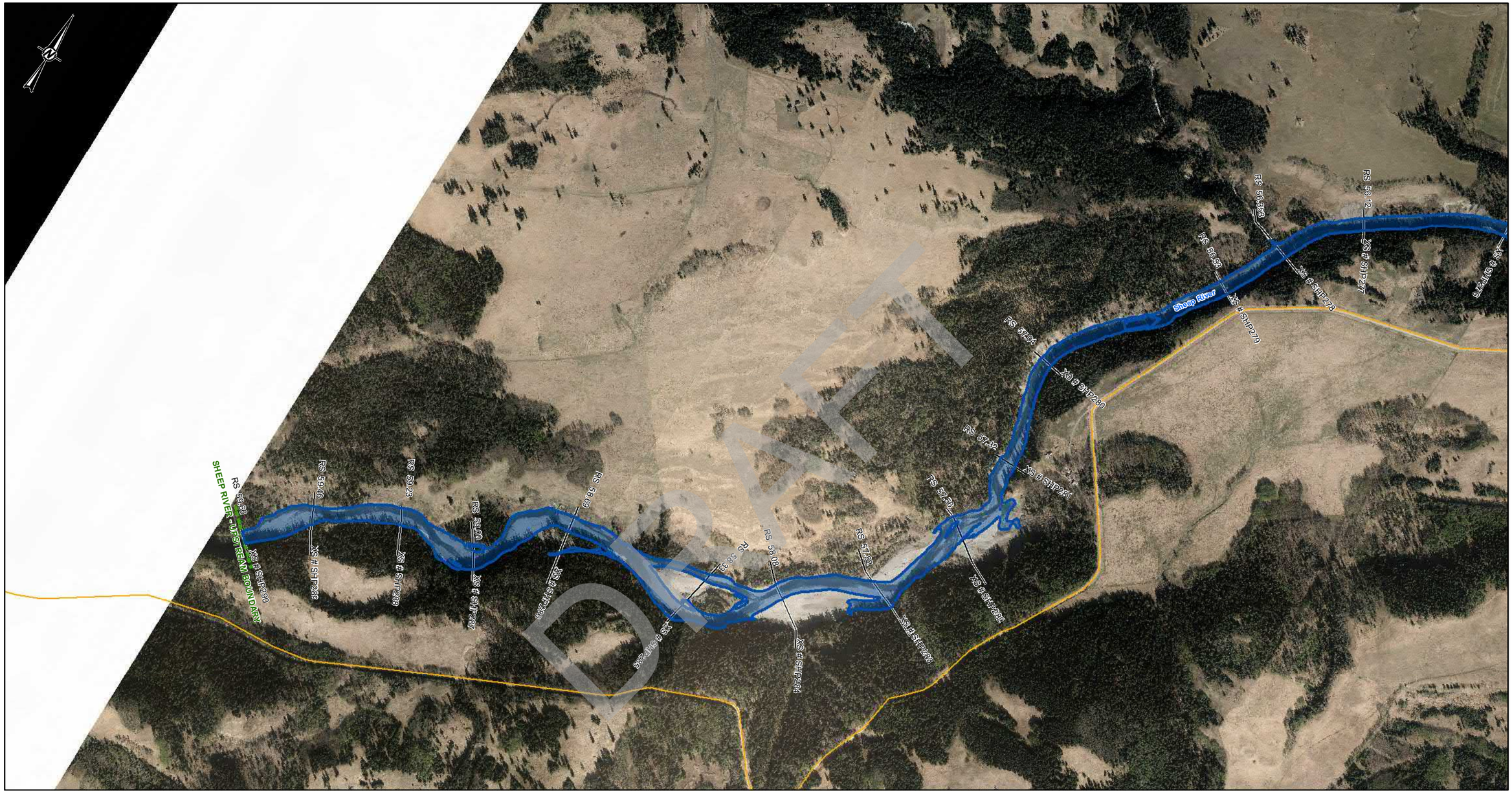
Classification: Public

5-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

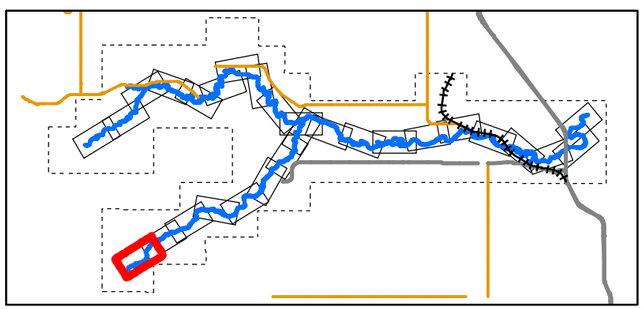
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 148 m³/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 1 of 28

DRAFT

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Classification: Public

SHEET 1 ↑

SHEET 3 ↑

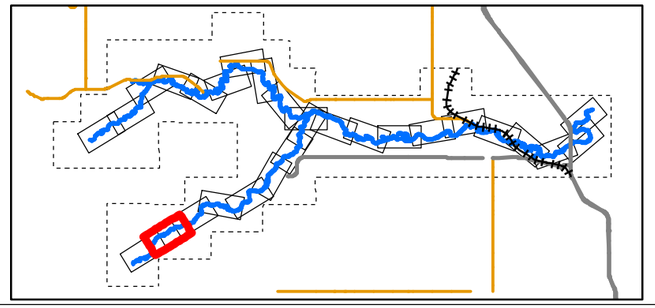
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 148 m^3/s



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DESIGNED	S. ZARE
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REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 2 of 28

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

25mm

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Classification: Public

SHEET 2 ↑

SHEET 4 ↑

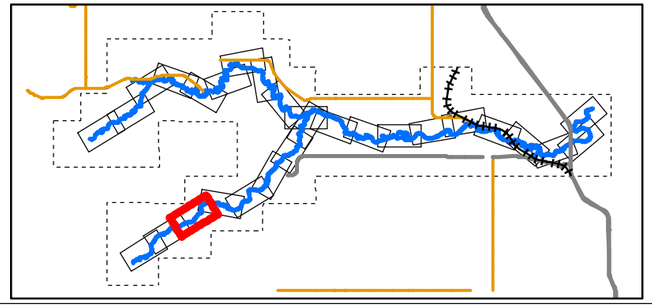
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 148 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 3 of 28

DRAFT

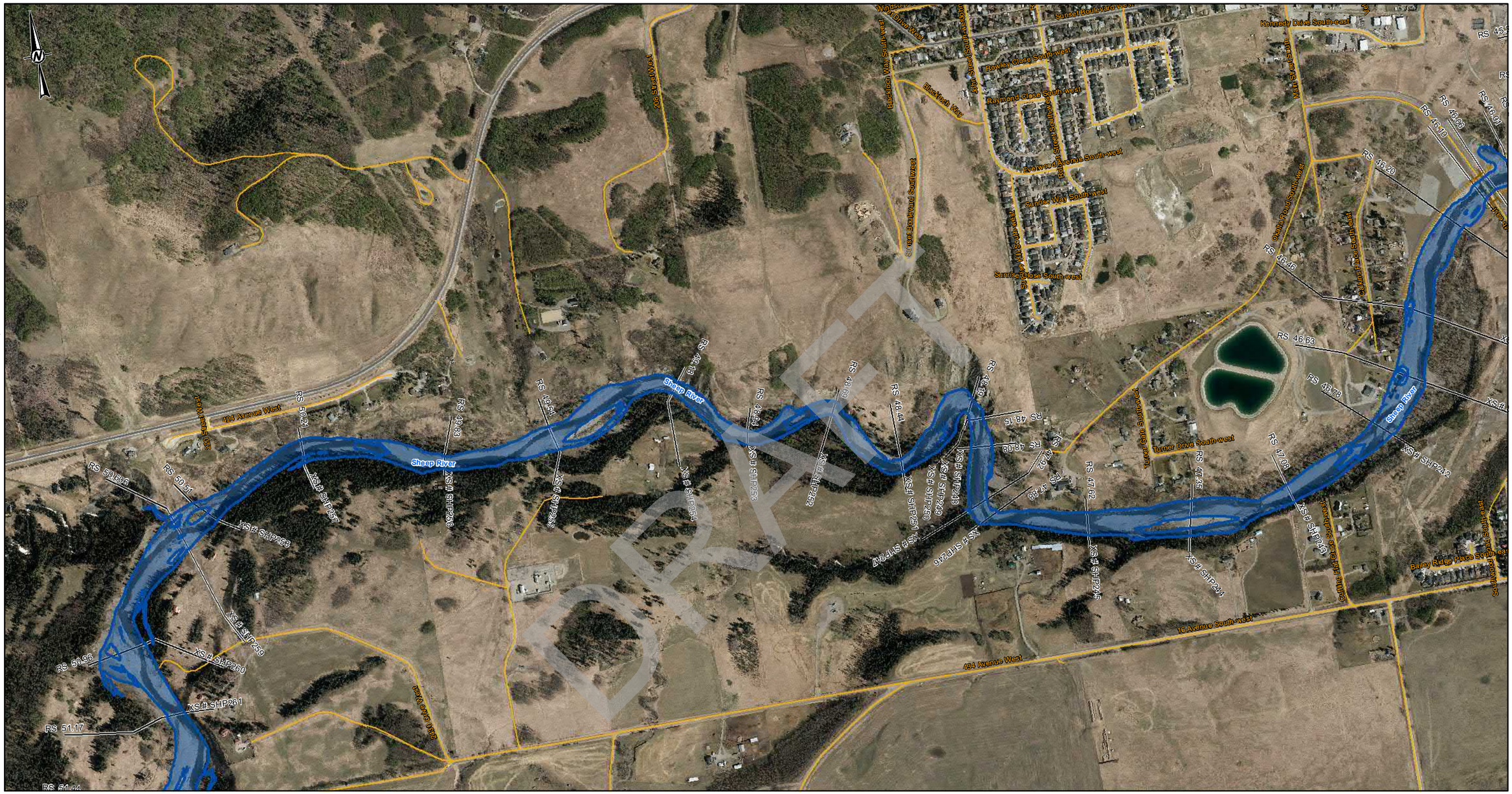
C:\Users\szare\Documents\Projects\WATERPOWER\228\GIS\SPECIALIST_APPS\MEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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

Classification: Public

SHEET 3 ↑

SHEET 5 ↑



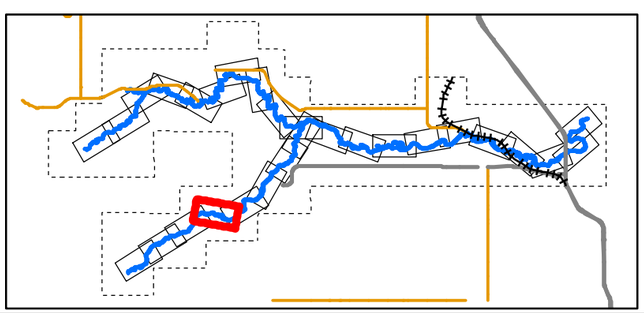
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 148 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 4 of 28

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

0 25mm

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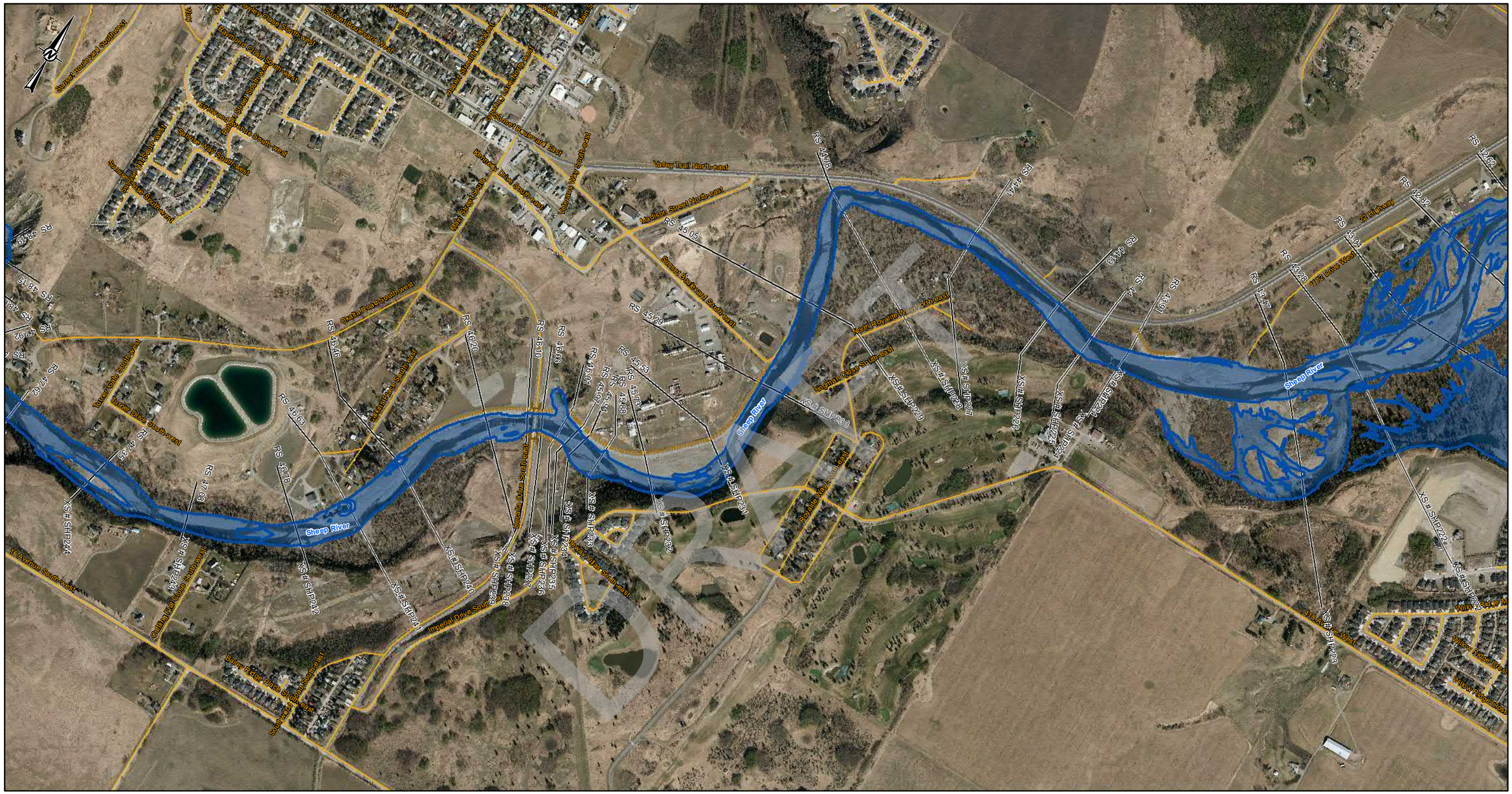
Classification: Public

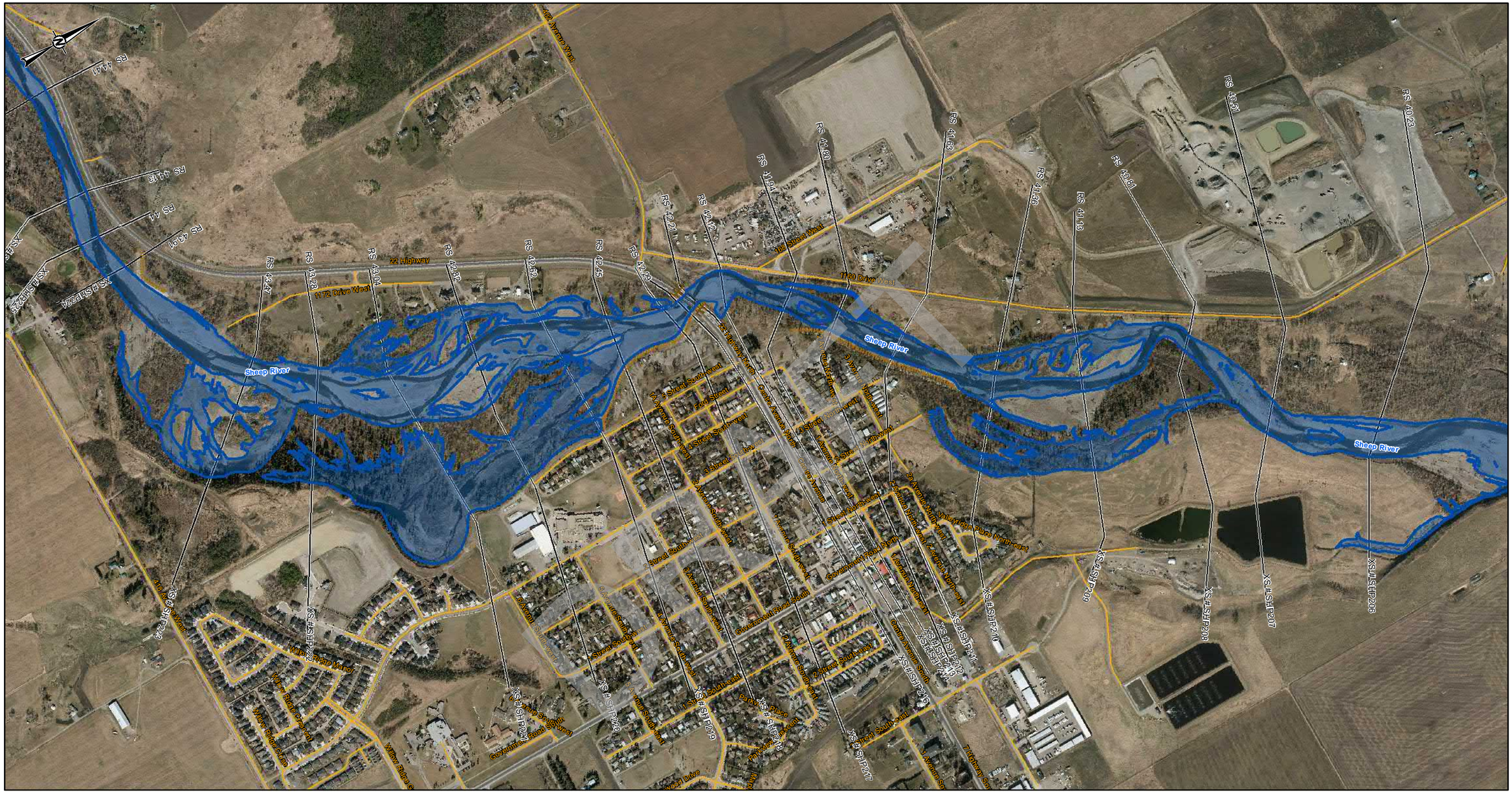
SHEET 6 ↑

SHEET 4 ↑


Sheep River
Valley Trail North-east
Madison Street North-east
Sunset Boulevard South-east
Okotoks Road South-west
Main Street South
Mountain View Drive South-west
Valleyview Way South-east
Sunset Boulevard West
Sunset Boulevard South-west
Alpine Crescent South-west
Alpine Place South-west
Alpine Way South-west
Alpine Close South-west
Fairmont Drive South-west
Fairmont Close South-west
Fairmont Crescent South-west
Fairmont Way South-west
Fairmont Place South-west
Fairmont Gate South-west
Fairmont Drive South-west
Fairmont Boulevard South-west
Fairmont Boulevard East
Alpine Crescent North-west
Alpine Street North-west
Alpine Close North-west
Alpine Place North-west
Alpine Way North-west
Alpine Drive North-west
Alpine Boulevard North-west
Alpine Boulevard West
Alpine Boulevard East
Alpine Street North-east
Alpine Close North-east
Alpine Place North-east
Alpine Way North-east
Alpine Drive North-east
Alpine Boulevard North-east
Alpine Boulevard East
Alpine Crescent North-east
Alpine Crescent East
Alpine Street East
Alpine Close East
Alpine Place East
Alpine Way East
Alpine Drive East
Alpine Boulevard East
Alpine Crescent East
Alpine Street South-east
Alpine Close South-east
Alpine Place South-east
Alpine Way South-east
Alpine Drive South-east
Alpine Boulevard South-east
Alpine Crescent South-east
Alpine Street South-west
Alpine Close South-west
Alpine Place South-west
Alpine Way South-west
Alpine Drive South-west
Alpine Boulevard South-west
Alpine Crescent South-west
Okotoks Road South-west
Okotoks Road South-east
Okotoks Road East
Okotoks Road North-east
Okotoks Road North-west
Okotoks Road West
Okotoks Road South-west

SHEET 5 ↑

SHEET 7 ↑



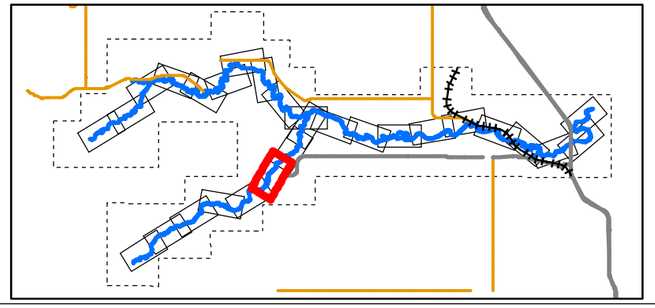
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 148 m³/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 6 of 28

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

0 25mm

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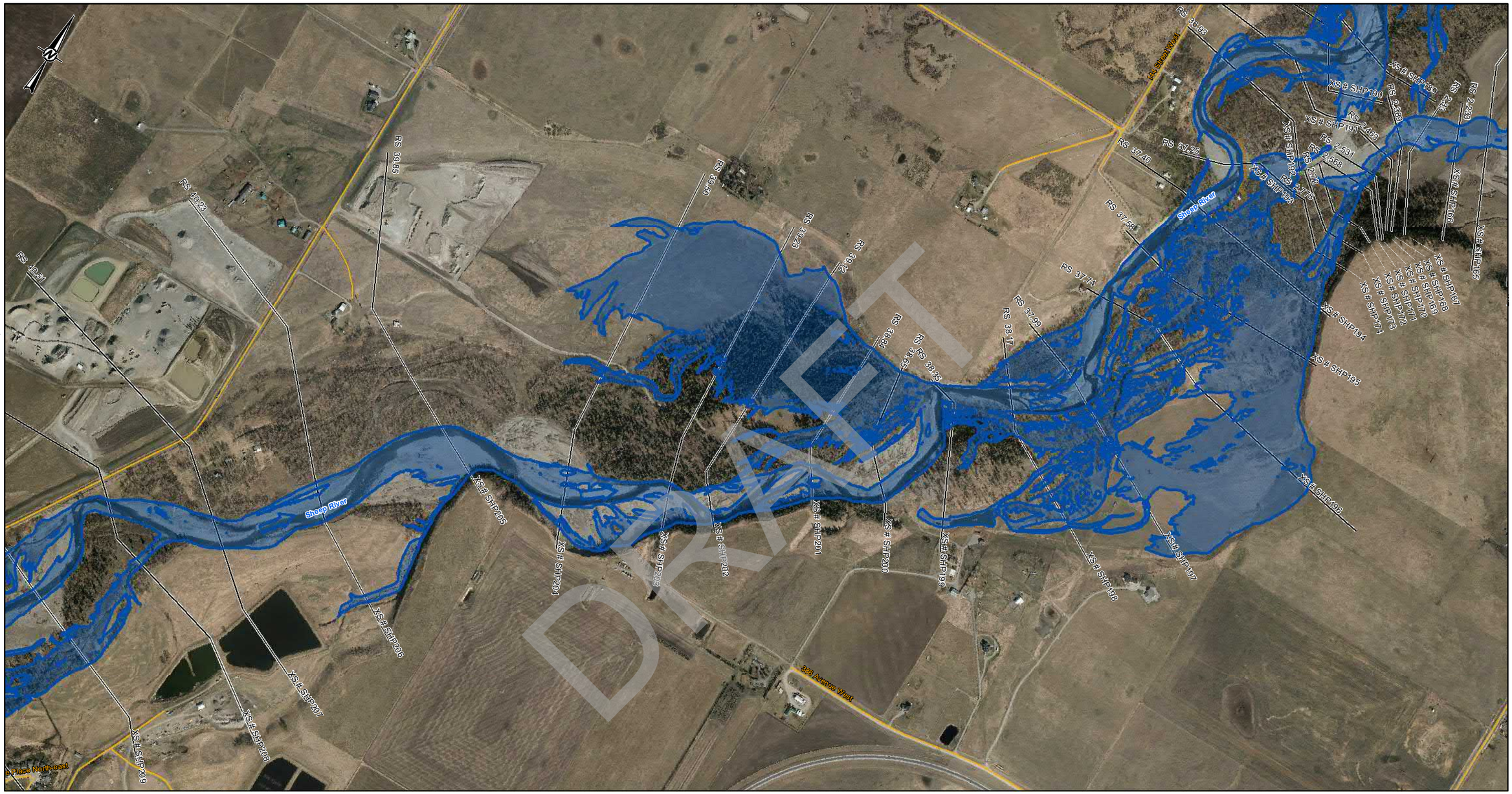
Classification: Public

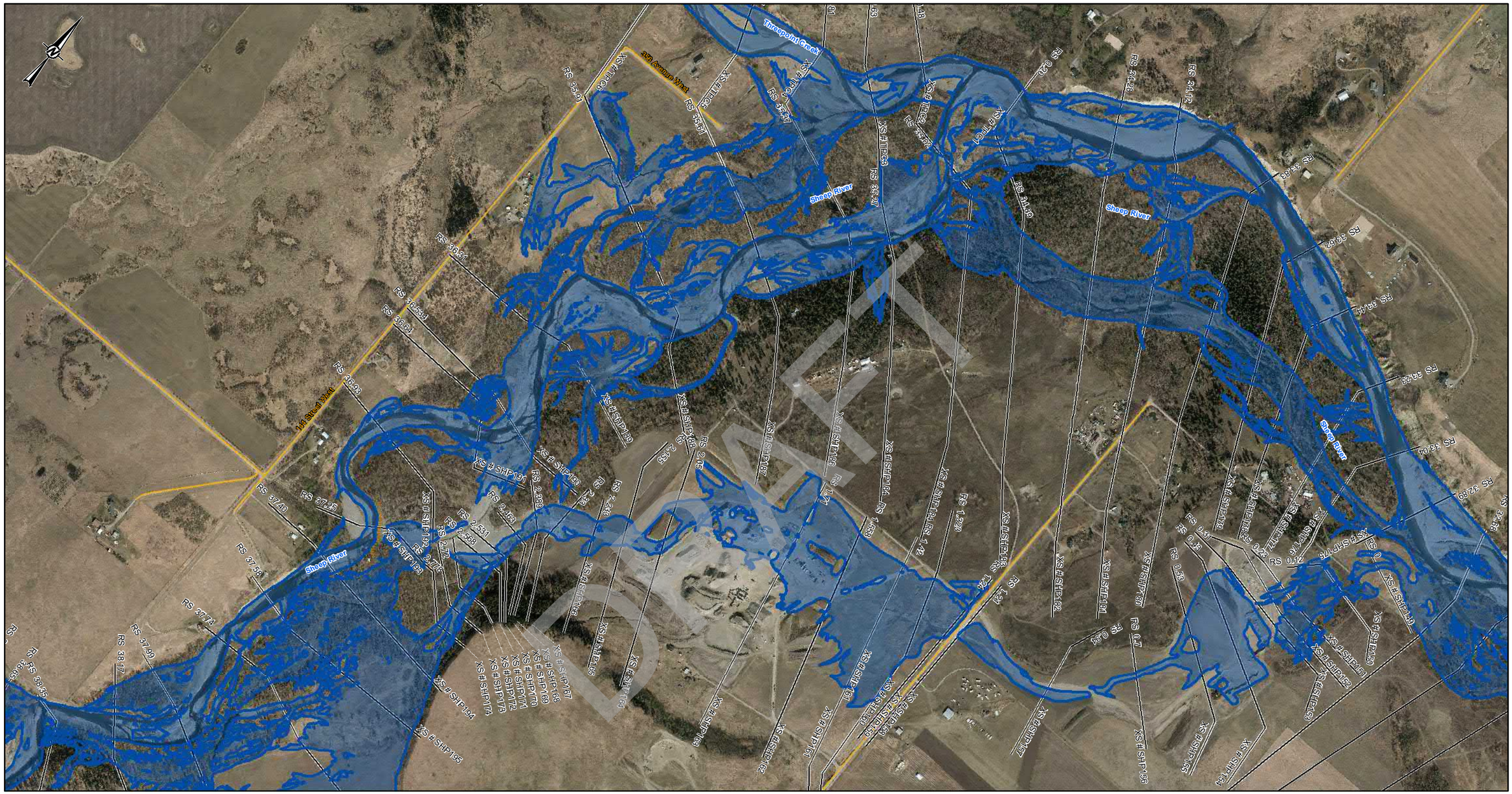
SHEET 6 ↑

SHEET 8 ↑



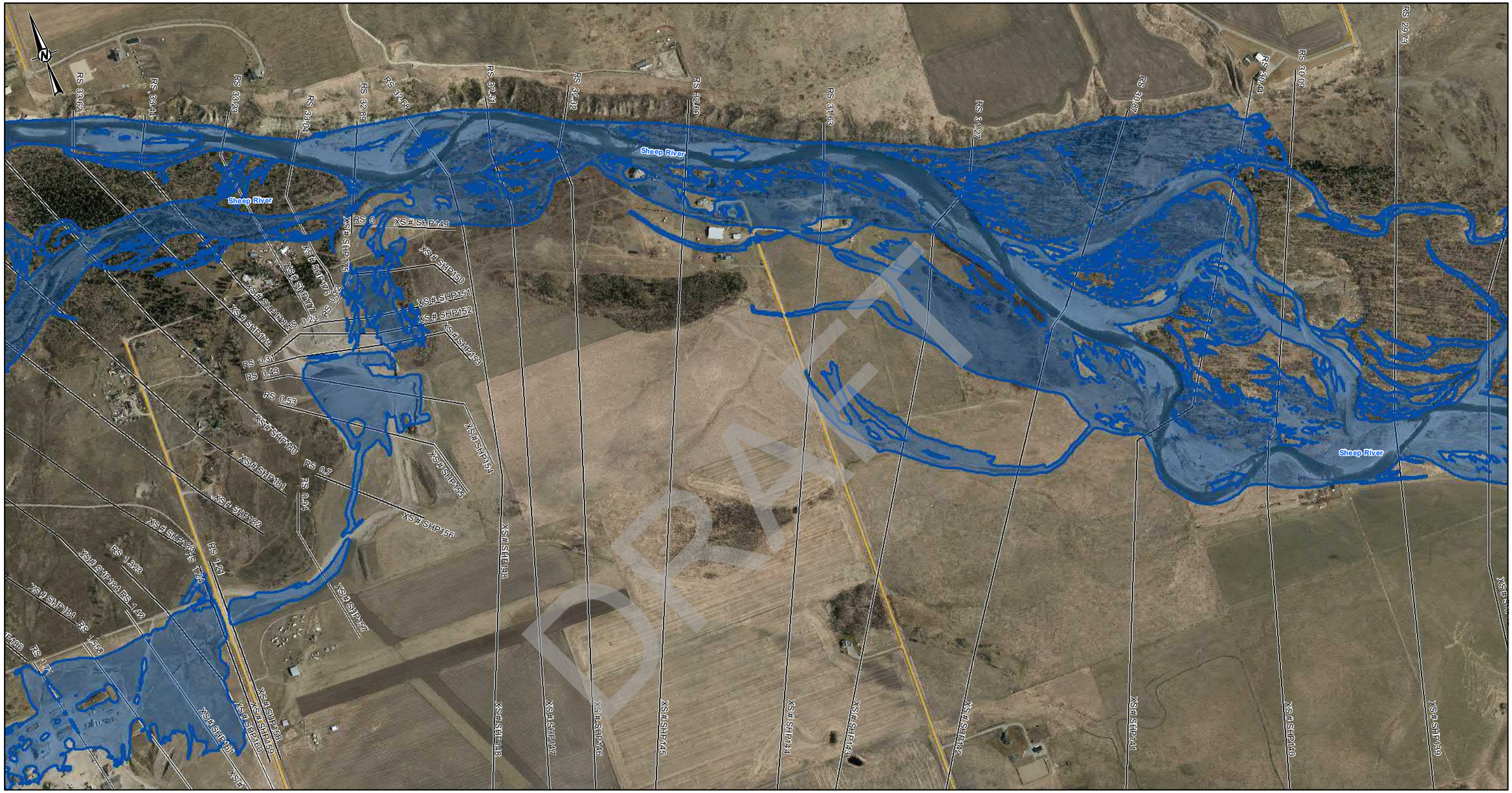
SHEET 27 ↑

SHEET 7 ↑


Threepoint Creek
Sheep River
Sheep River
Sheep River

SHEET 8 ↑

SHEET 10 ↑



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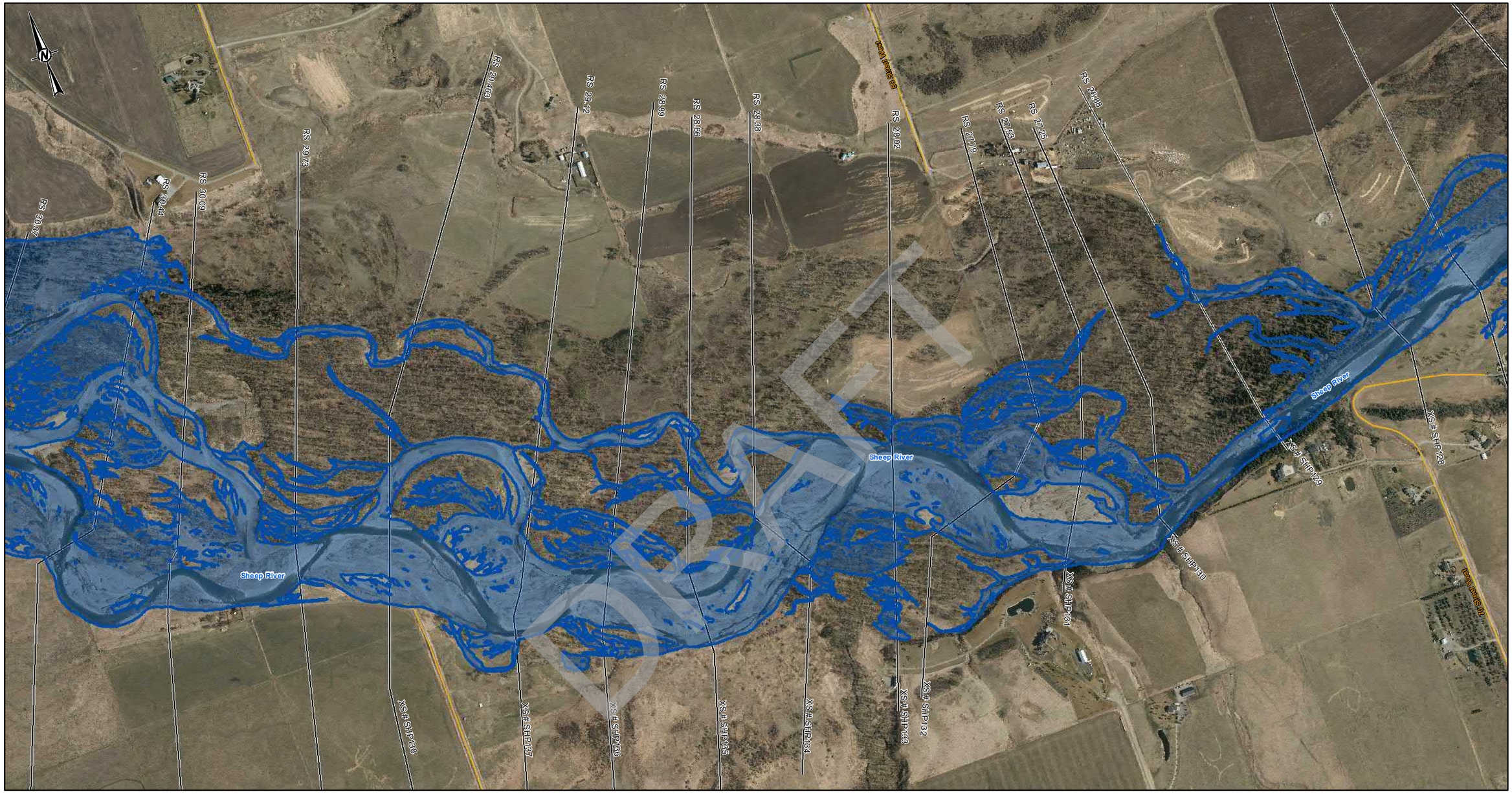
SHEET 11 ↑



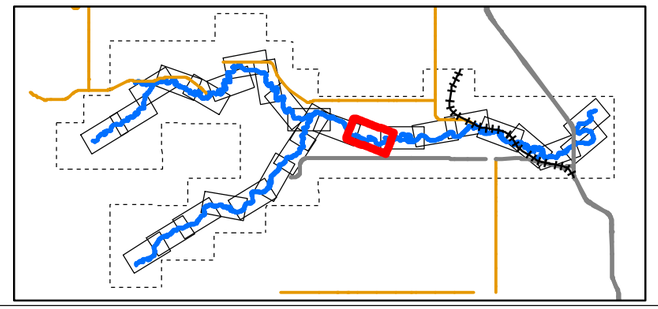
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 338 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
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Alberta Government

CONSULTANT
HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 10 of 28

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

25mm

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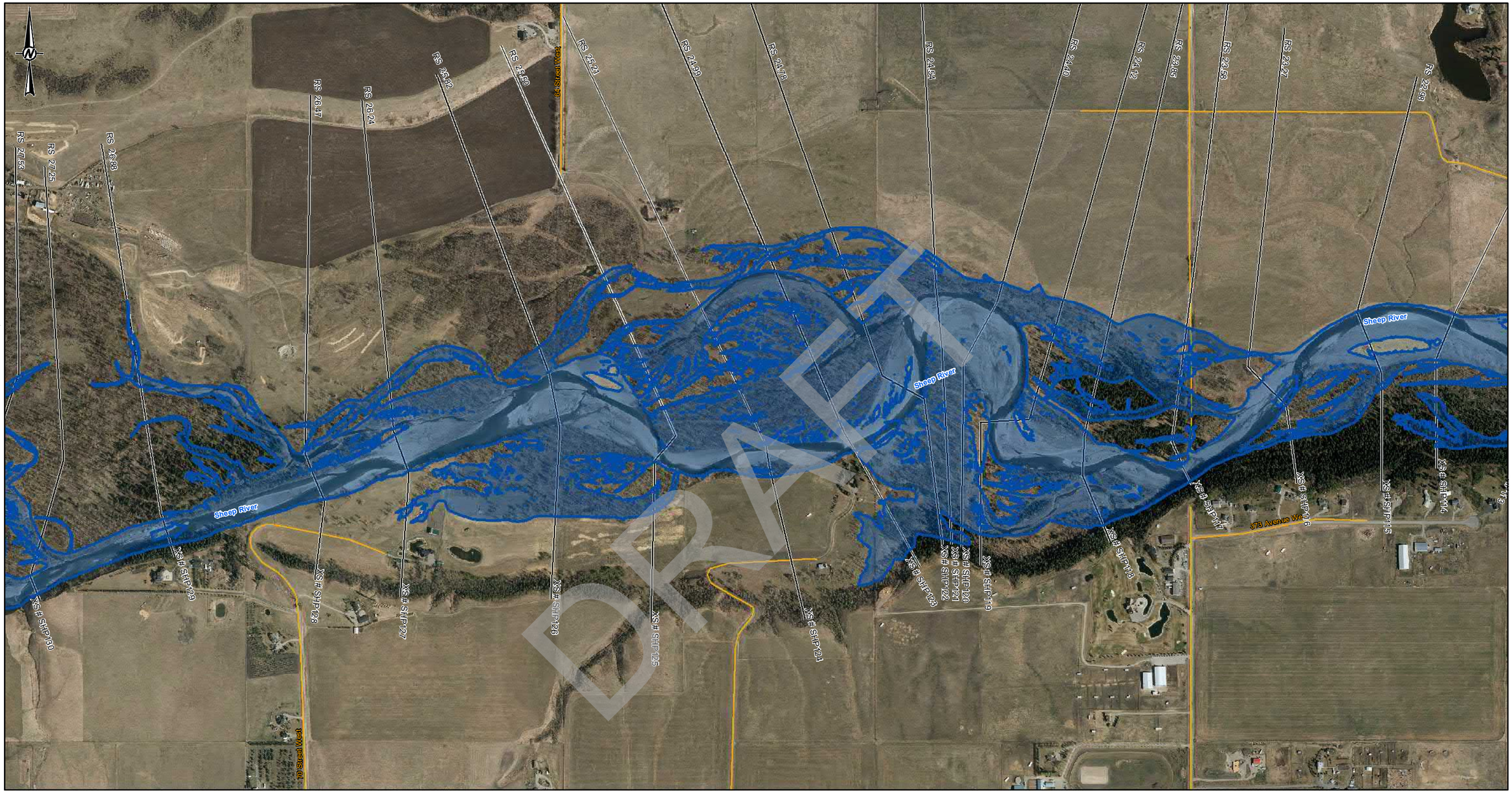
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



DRAFT

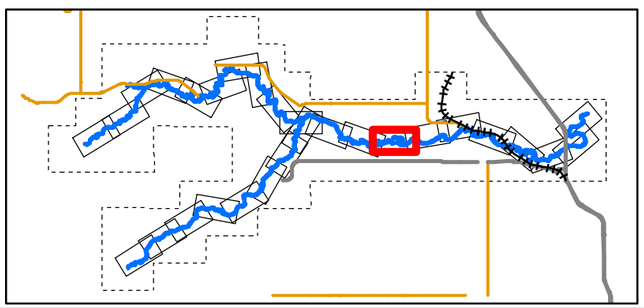
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 338 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 11 of 28

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

0 25mm

C:\cygdata\0 Projects\WATERPOWER\12345\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 11 ↑

SHEET 13 ↑

DRAFT

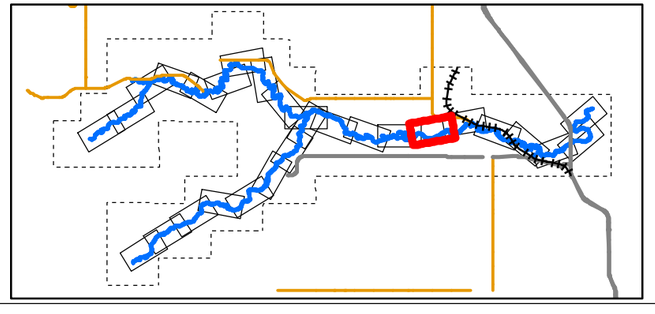
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 338 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 12 of 28

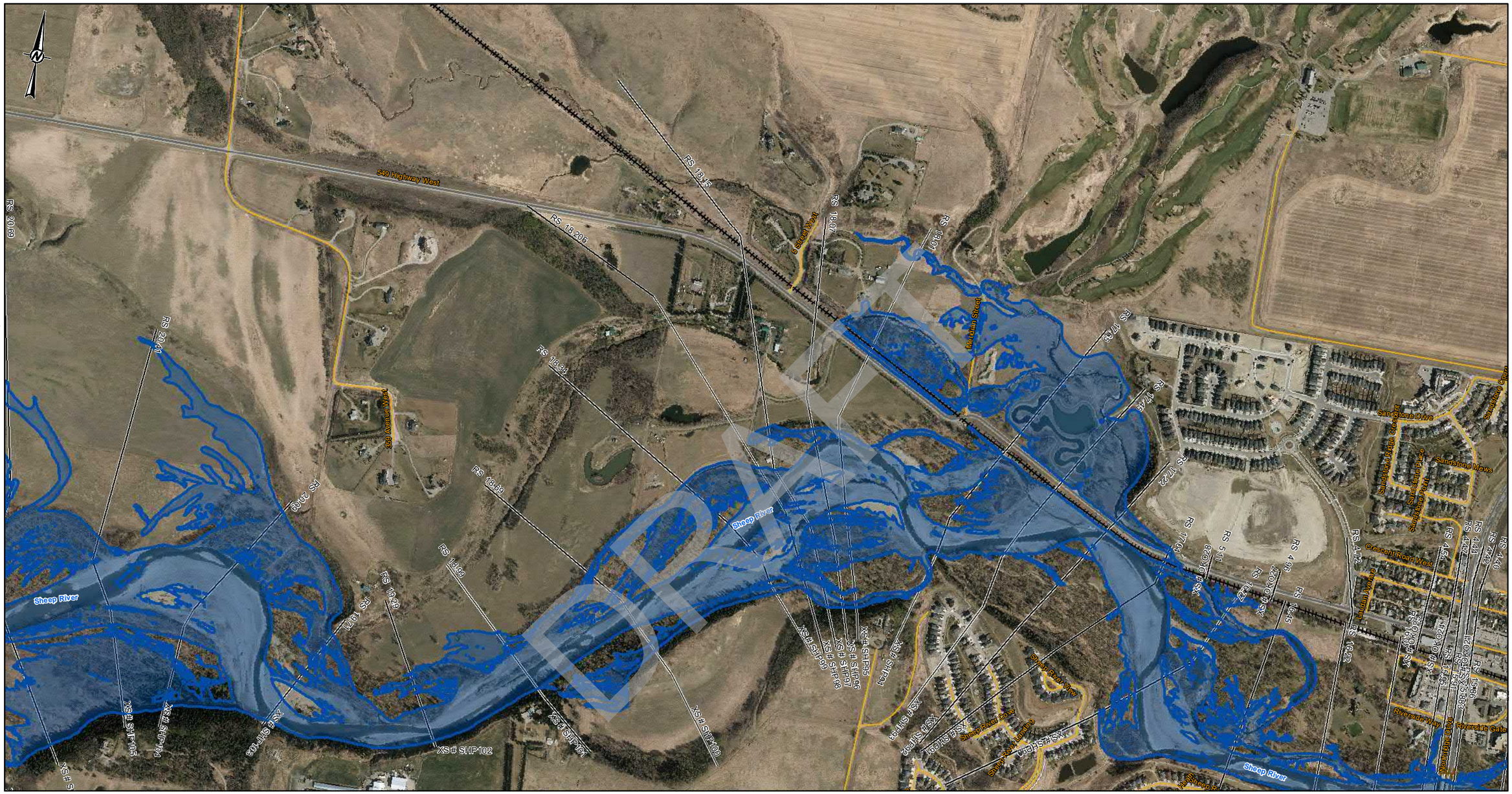
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

Classification: Public

SHEET 12 ↑

SHEET 14 ↑


549 Highway West
RS 20.69
RS 20.47
RS 20.29
RS 19.71
RS 19.49
RS 19.39
RS 19.34
RS 19.29
RS 19.16
RS 19.07
RS 19.01
RS 17.85
RS 17.74
RS 17.23
RS 17.04
RS 16.74
RS 16.23
RS 15.96
RS 15.56
RS 15.38
RS 15.21
RS 14.91
RS 14.72
RS 14.40
Meridian Street
Sheep River
Sandstone Drive
Sandstone Mews
Sandstone Green
Crescent Road West
Crescent Road
Riverside Way
Riverside Gate
Sheep River Drive
Sheep River Gate
Sheep River Terrace
Sheep River Point
XS # SHP105
XS # SHP104
XS # SHP103
XS # SHP102
XS # SHP101
XS # SHP100
XS # SHP99
XS # SHP98
XS # SHP97
XS # SHP96
XS # SHP95
XS # SHP94
XS # SHP93
XS # SHP92
XS # SHP91
ZONK0+XSX
ZONK0+XSX
ZONK0+XSX

SHEET 13 ↑

SHEET 15 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 338 m^3/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 14 of 28

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

20mm

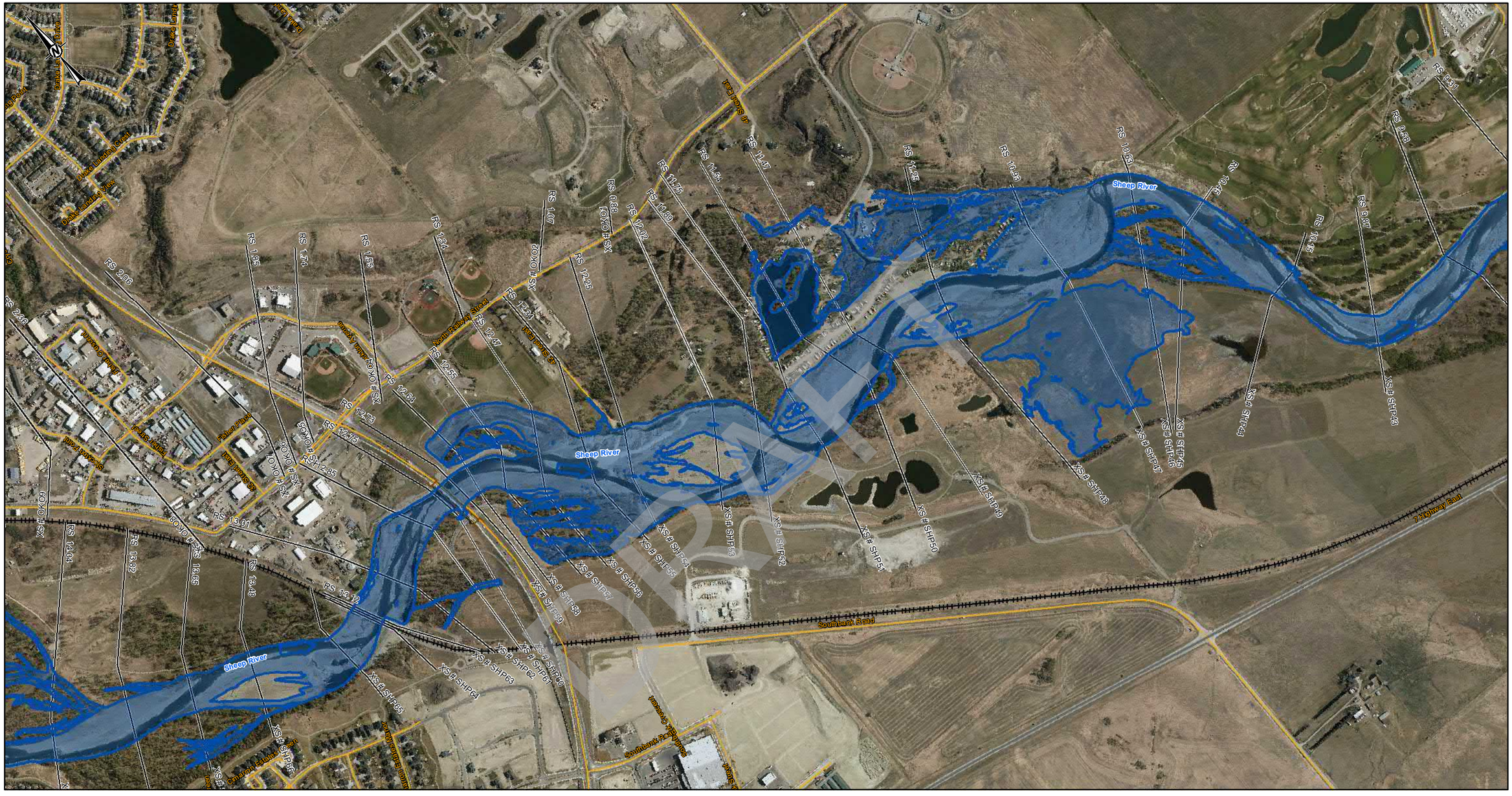
0

C:\Projects\WATERPOWER\12468\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATA\AEP\NAL_DELIVERABLES_2021

Classification: Public

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
Main Pathway Street
Main Pathway Street
Main Pathway Street

SHEET 15 ↑

SHEET 17 ↑

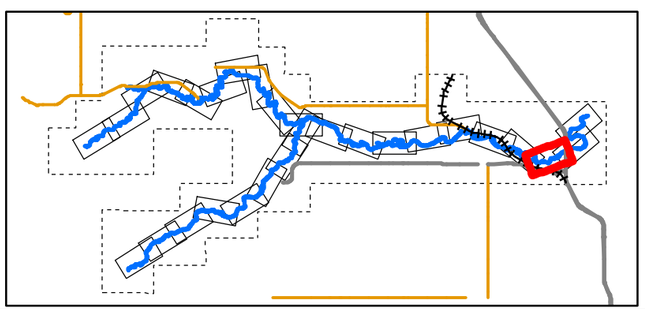
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 355 m³/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 16 of 28

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

0 25mm

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Classification: Public

SHEET 18 ↑

SHEET 16 ↑

DRAFT

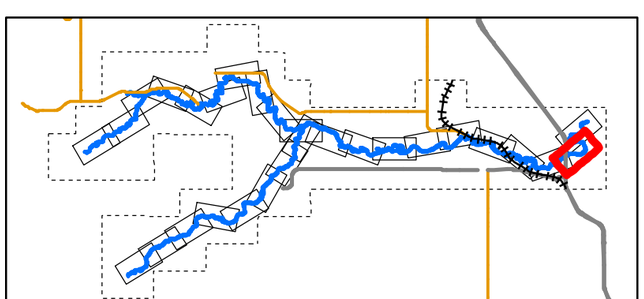
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 355 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 17 of 28

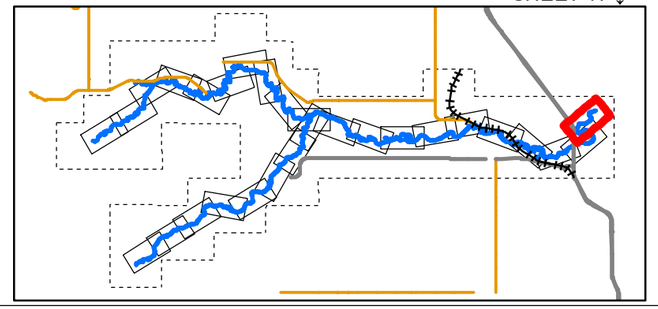
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

\\cgy1stas0 1\projects\WATERPOWER\12456\SPECIALIST_APPS\HEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 355 m^3/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 18 of 28

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

25mm

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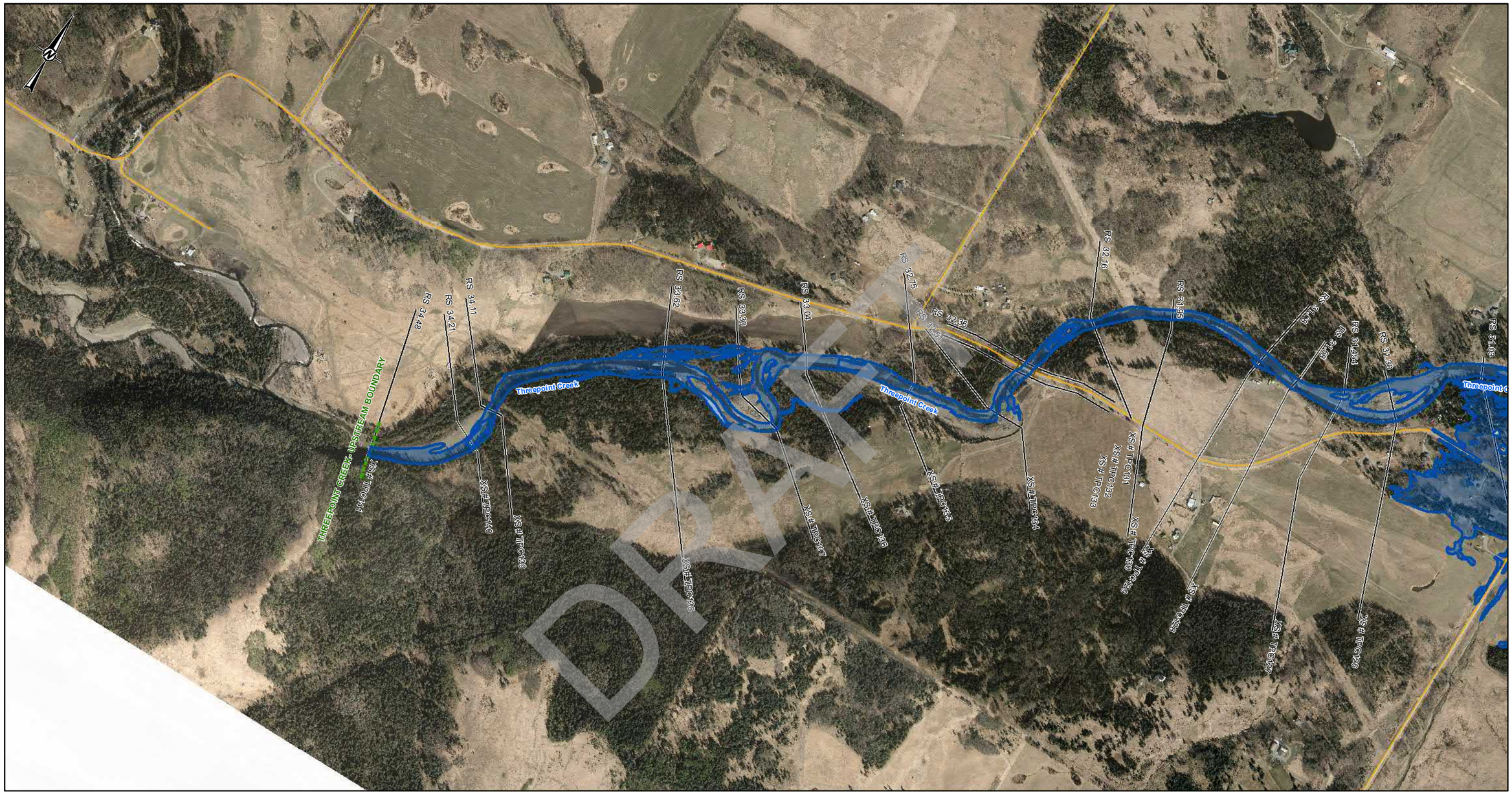
Classification: Public



DRAFT

SHEET 20 ↑

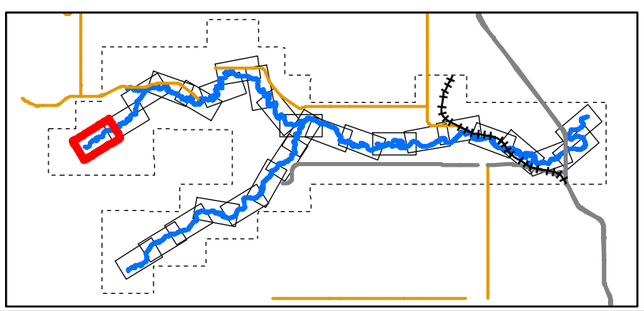
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 58.1 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 19 of 28

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

25mm

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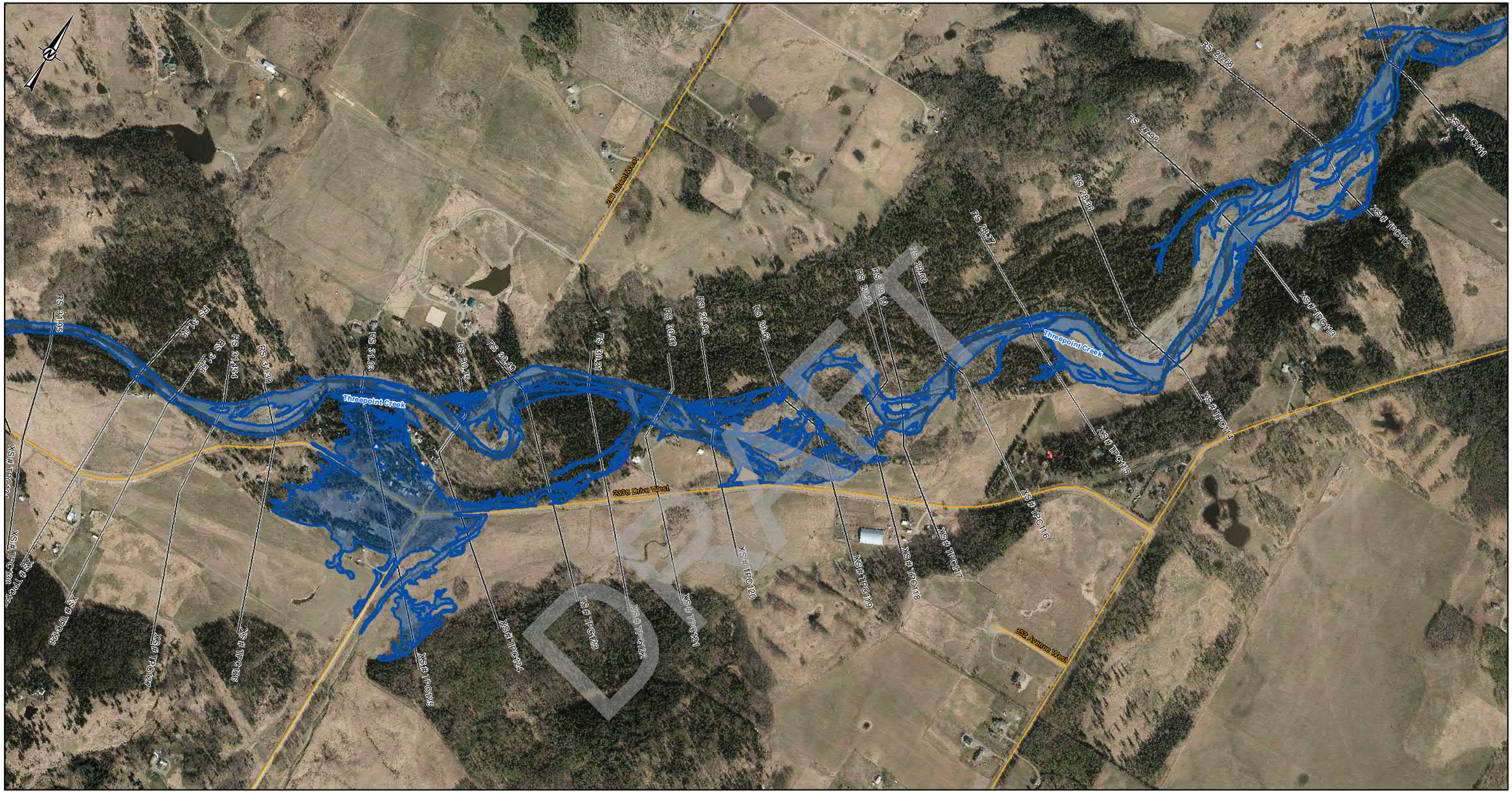
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



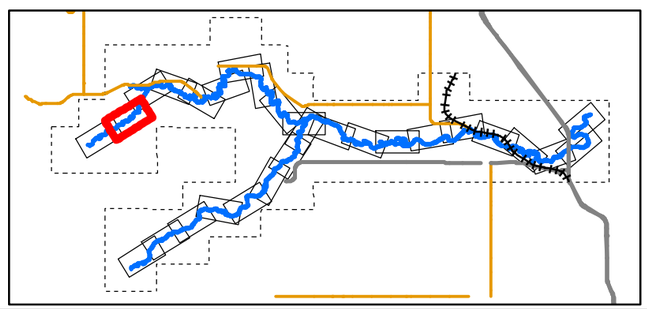
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 58.1m³/s



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CLIENT
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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 20 of 28

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

0 20mm

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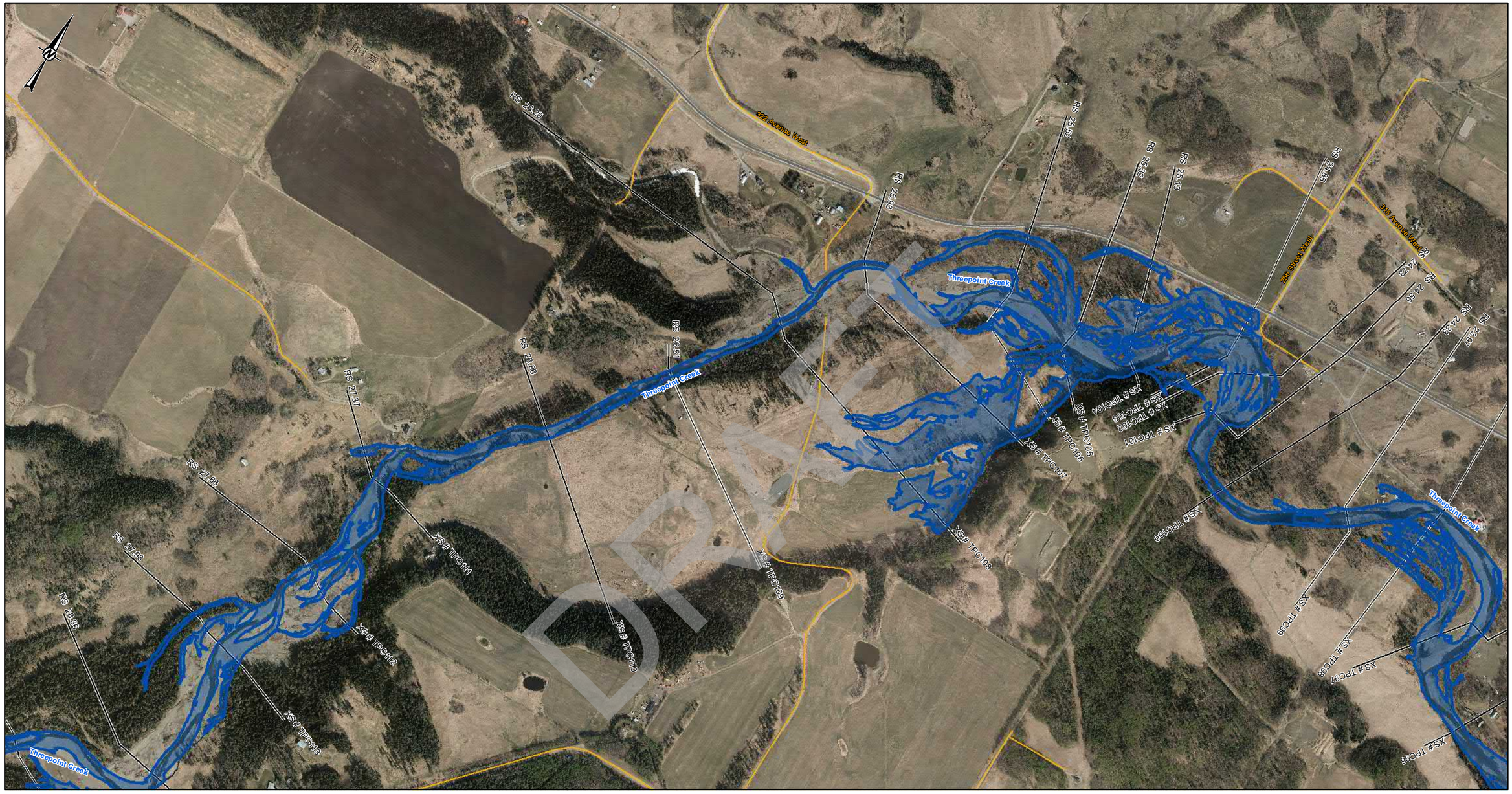
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



DRAFT

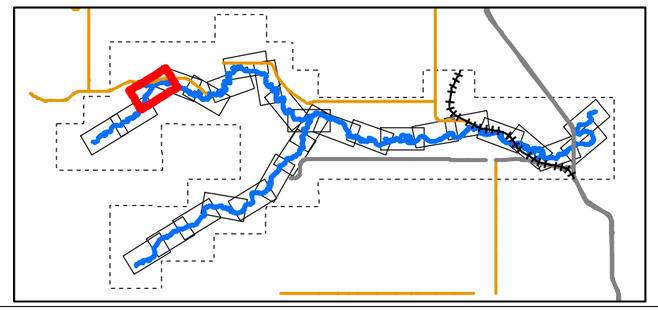
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 58.1 m^3/s
THREEPOINT CREEK= 98.2 m^3/s (DS- RS 25.93)



0 50 100 200 300 400
1:10,000 METRES

CLIENT
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 21 of 28

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

25mm

0

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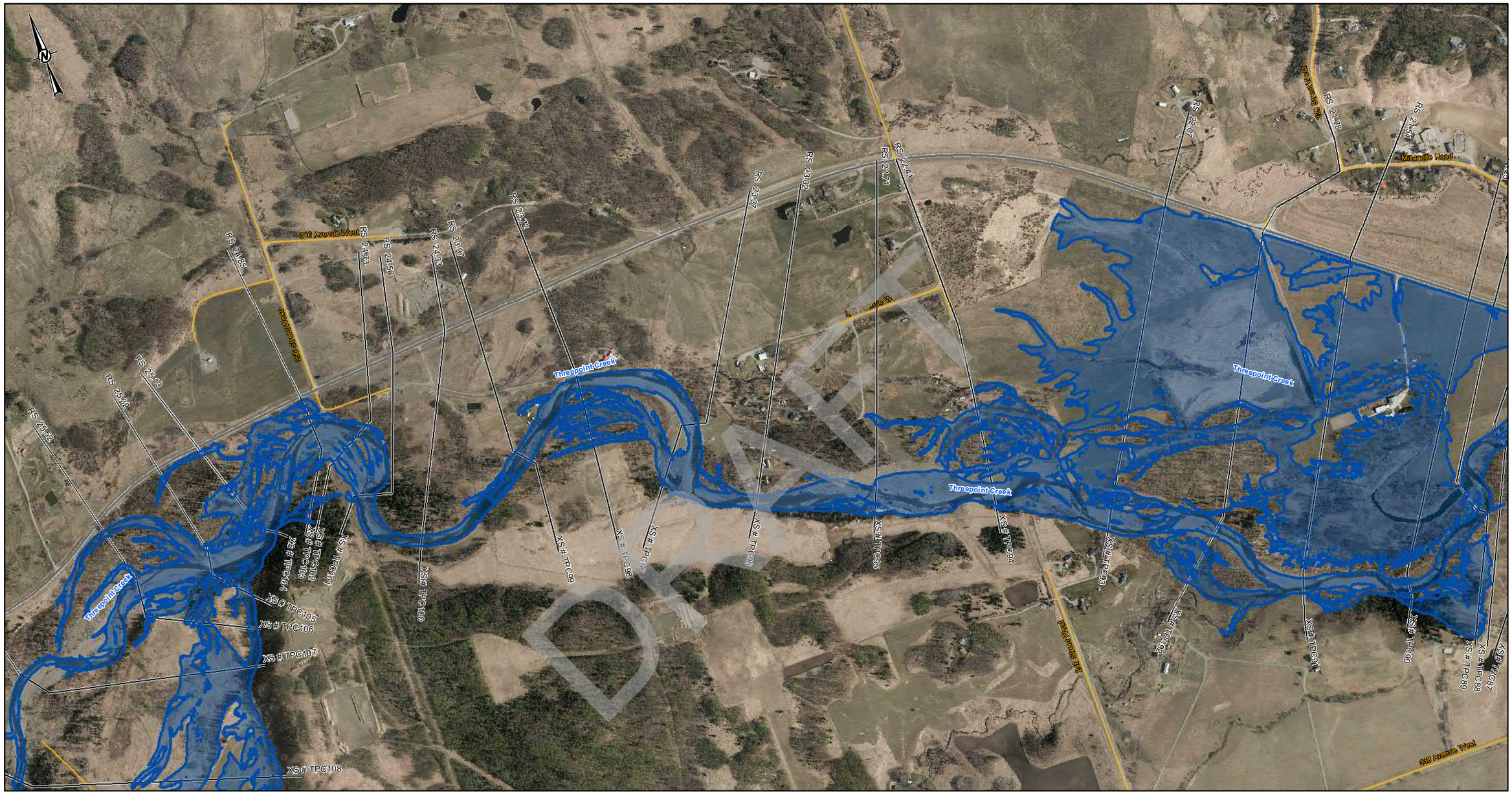
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



DRAFT

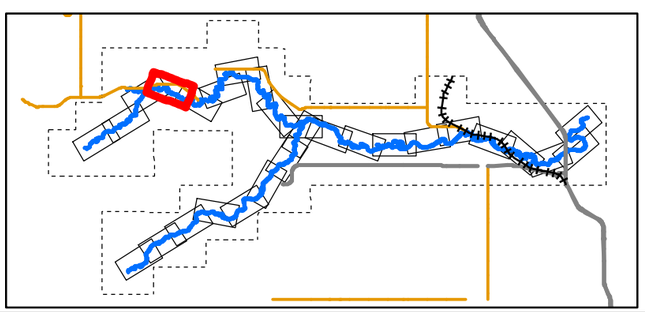
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 98.2 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 22 of 28

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

0 2mm

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Classification: Public

SHEET 24 ↑

SHEET 22 ↑

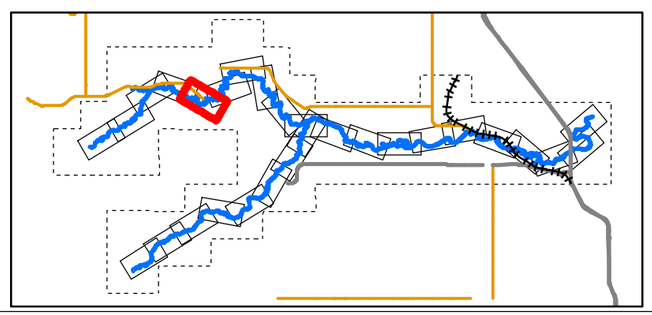
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 98.2 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 23 of 28

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

25mm

0

C:\Projects\Projects\WATERPOWER\12345\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 23 ↑

SHEET 25 ↑

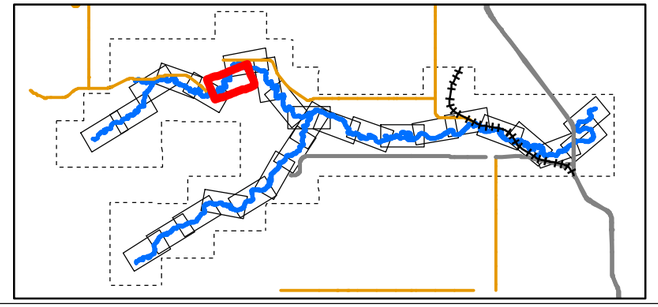
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 98.2 m^3/s
THREEPOINT CREEK= 118 m^3 (DS- RS 14.98)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 24 of 28

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

0 25mm

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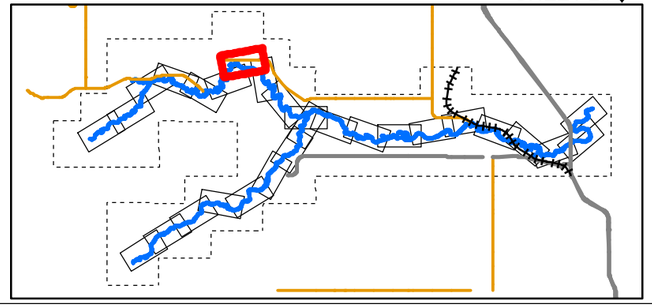
Classification: Public

SHEET 24 ↑

SHEET 26 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK=118 m^3/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 25 of 28

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

0 25mm

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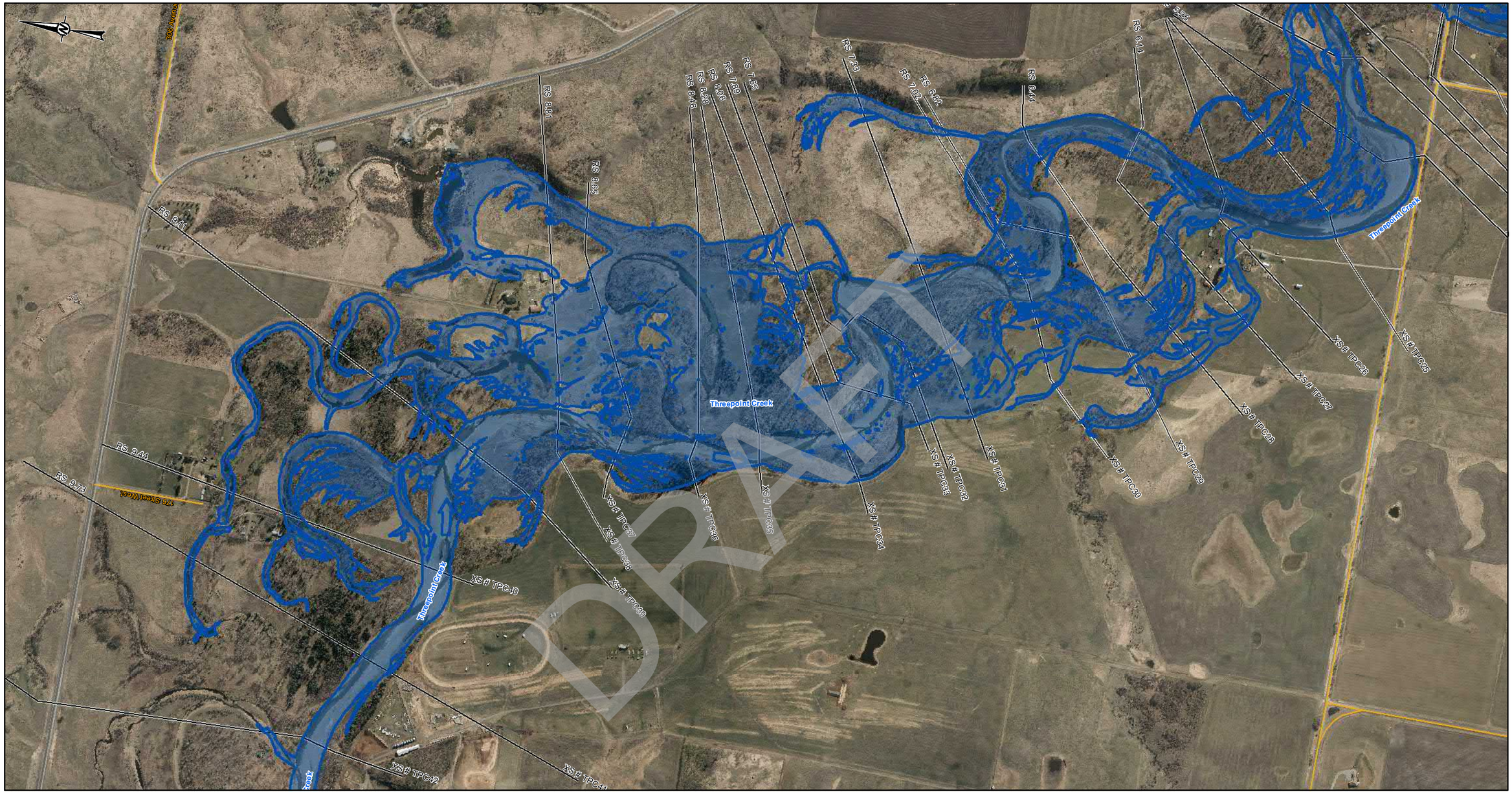
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



DRAFT

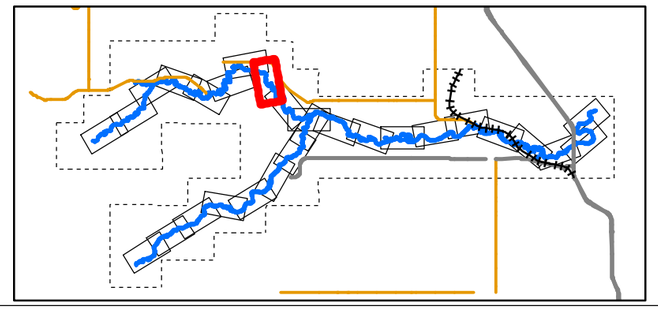
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK=118 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 26 of 28

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

25mm

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Classification: Public

SHEET 26 ↑

SHEET 28 ↑

DRAFT

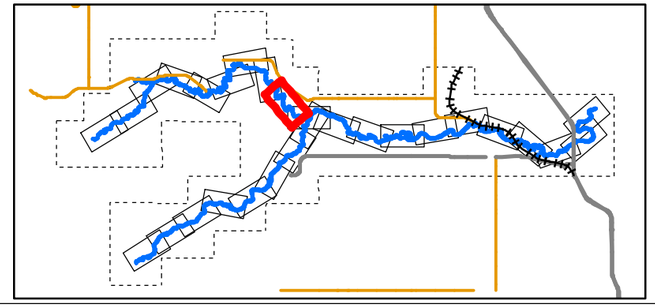
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK=118 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 27 of 28

Classification: Public

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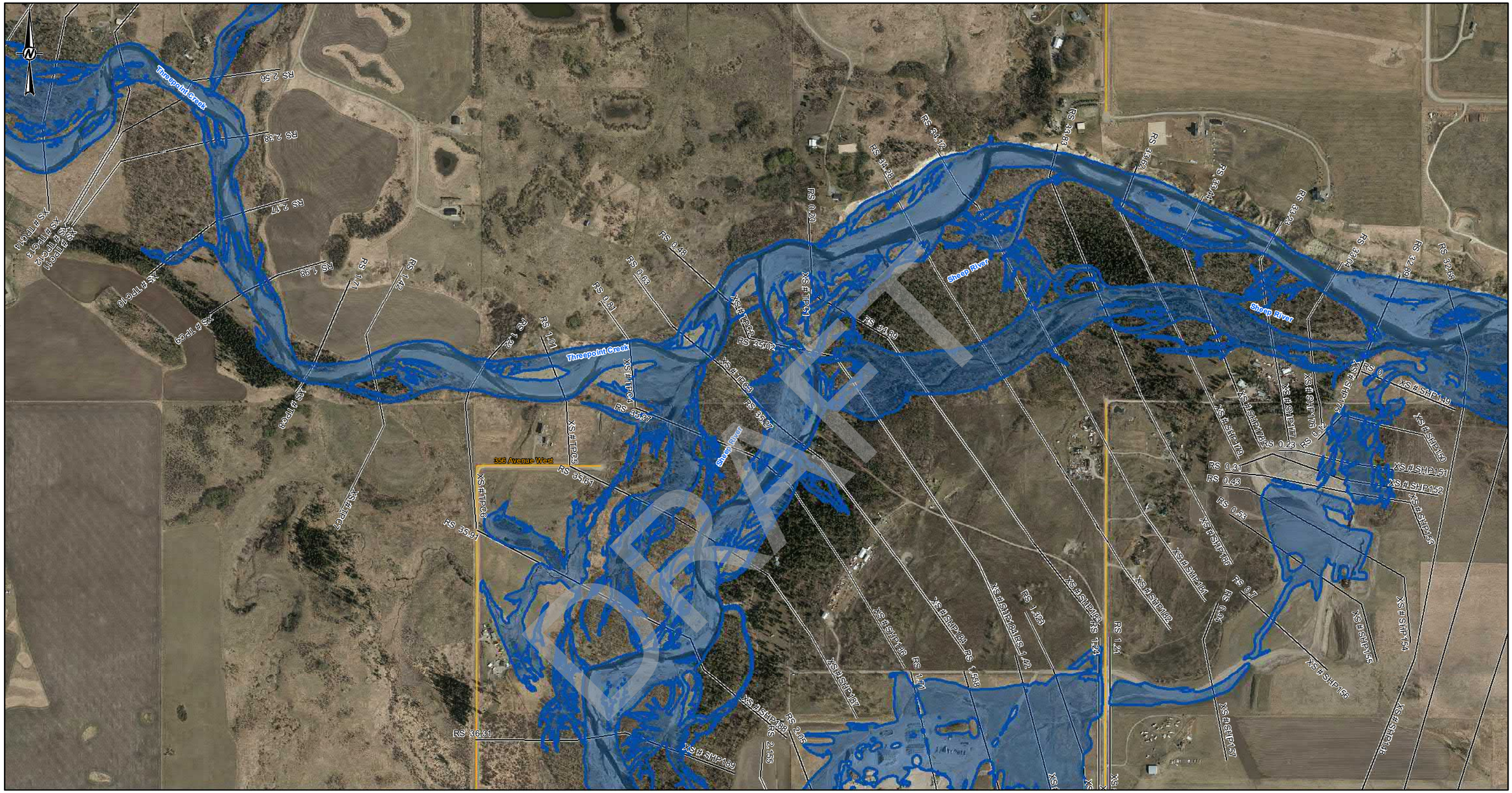
SHEET 27 ↑

SHEET 9 ↑



DRAFT

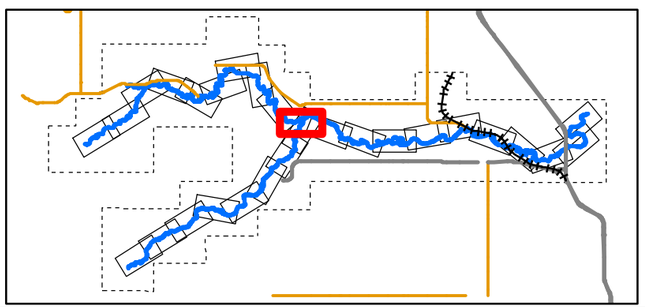
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY_BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

5-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 118 m ³/s
SHEEP RIVER= 148 m³/s
SHEEP RIVER= 266 m ³/s (DS- RS 34.28)



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
5- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-002-3333	0	Sheet 28 of 28

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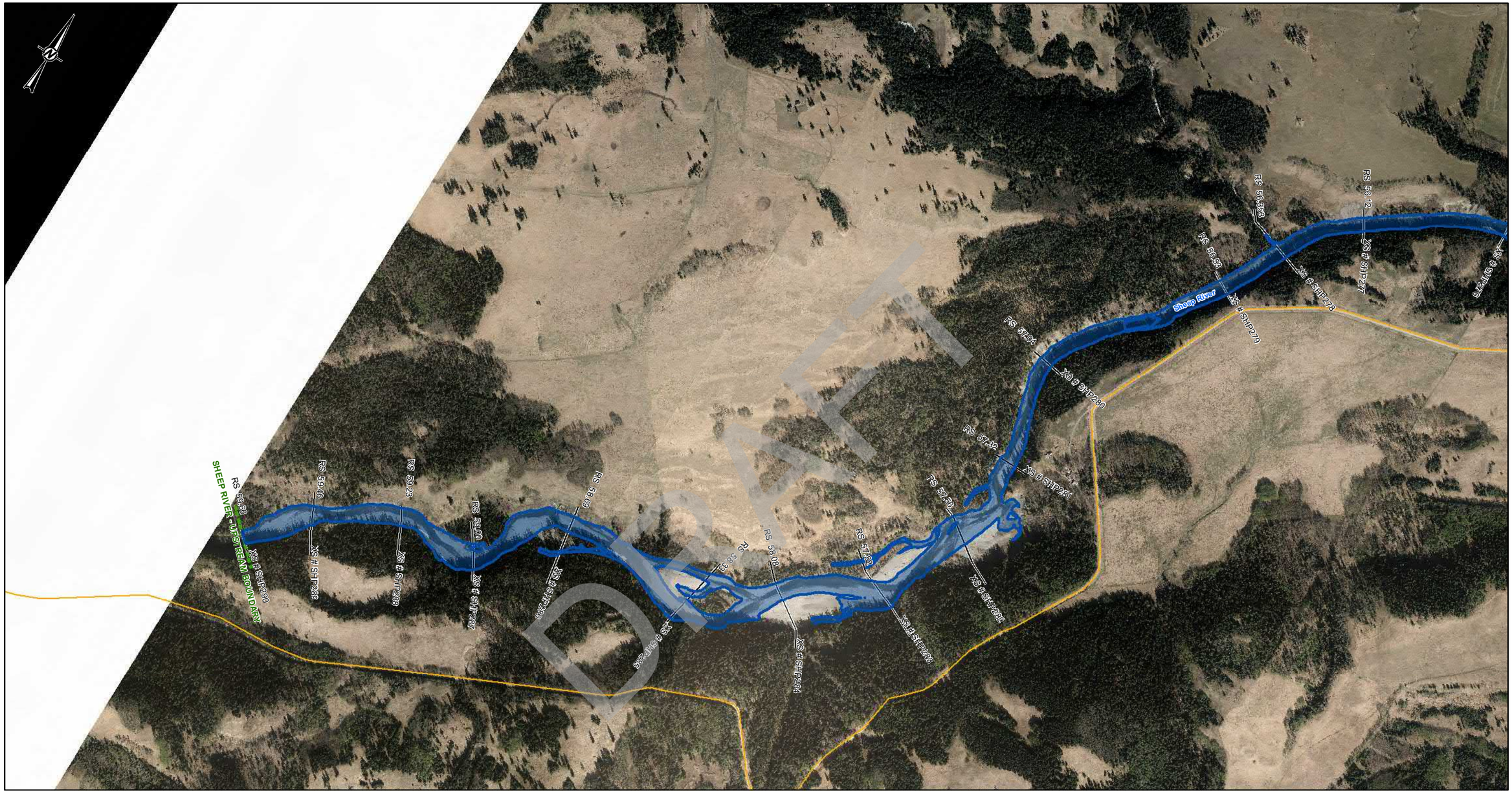
Classification: Public

10-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

DRAFT

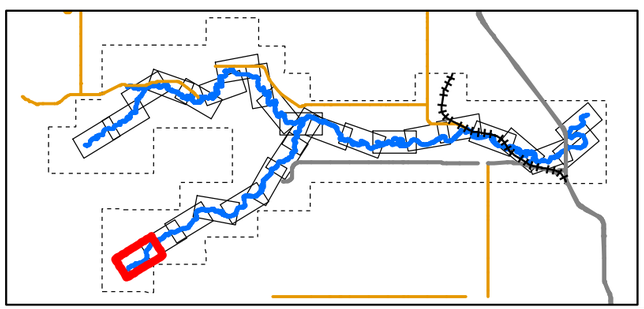
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m³/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 1 of 28

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

0 25mm

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Classification: Public

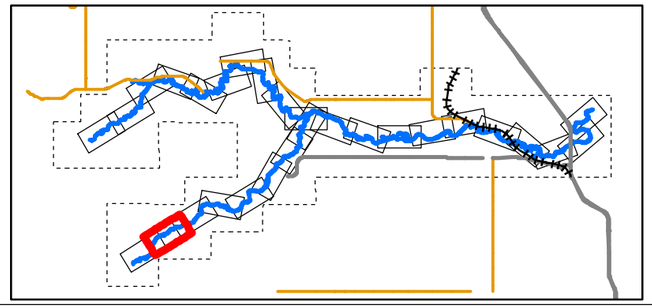
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 2 of 28

C:\cgvdata\Projects\WATERPOWER\228\6\GIS\CIVIL\ST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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25mm

0

Classification: Public

SHEET 2 ↑

SHEET 4 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
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- FLOOD CONTROL STRUCTURES
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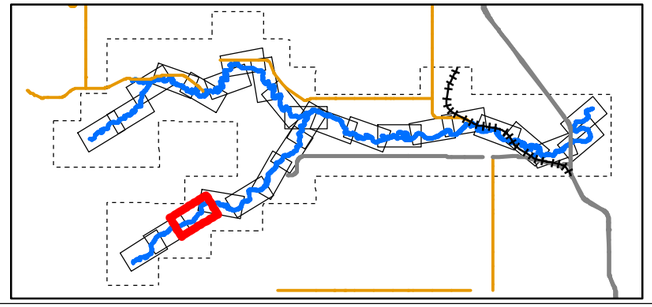
10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 3 of 28

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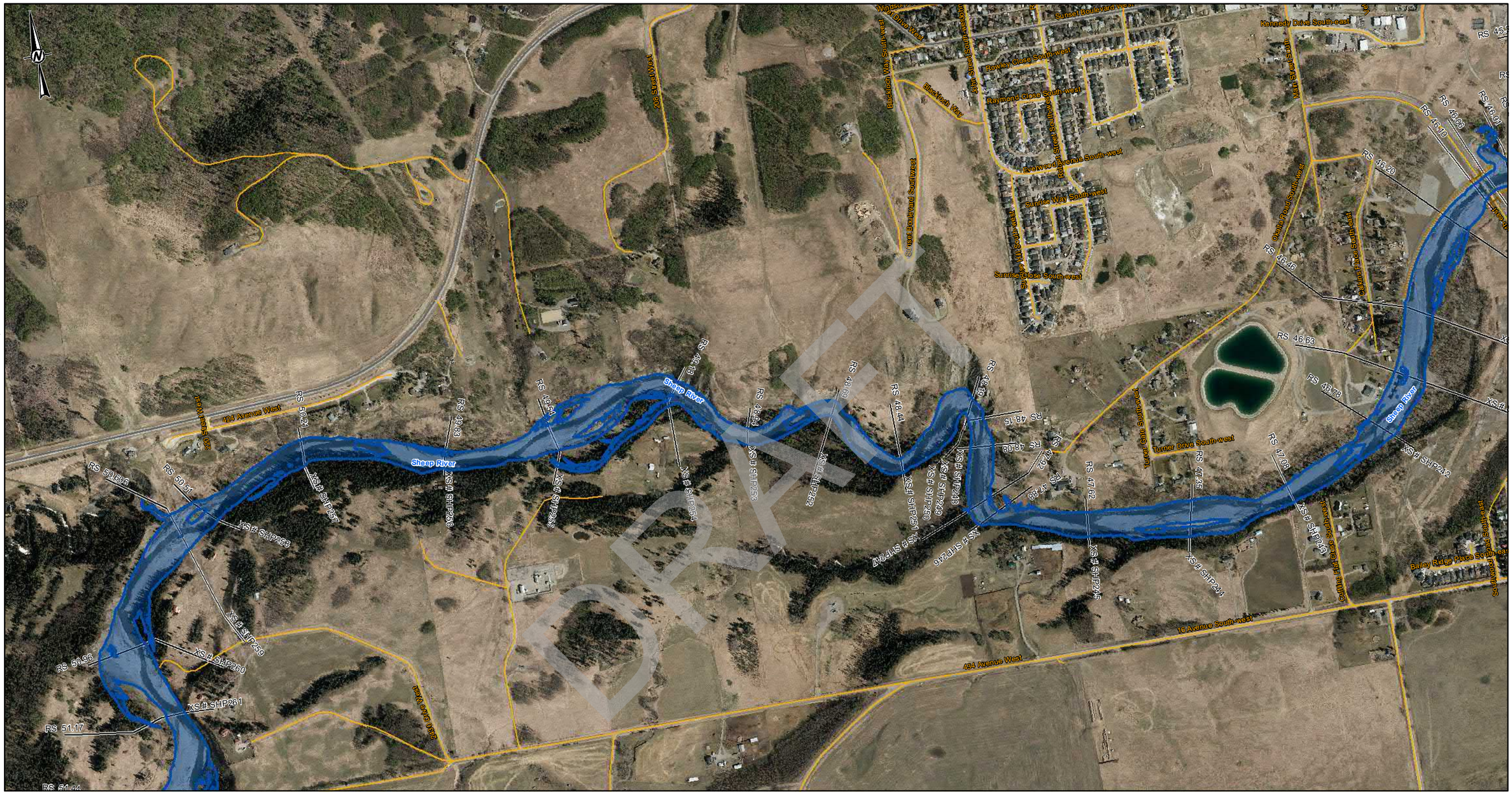
Classification: Public

SHEET 3 ↑

SHEET 5 ↑



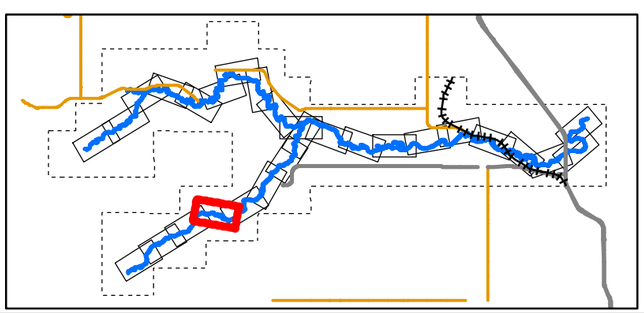
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 4 of 28

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0 25mm

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Classification: Public

SHEET 6 ↑

SHEET 4 ↑

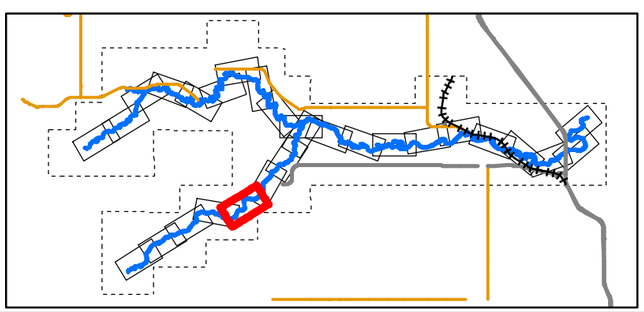
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 5 of 28

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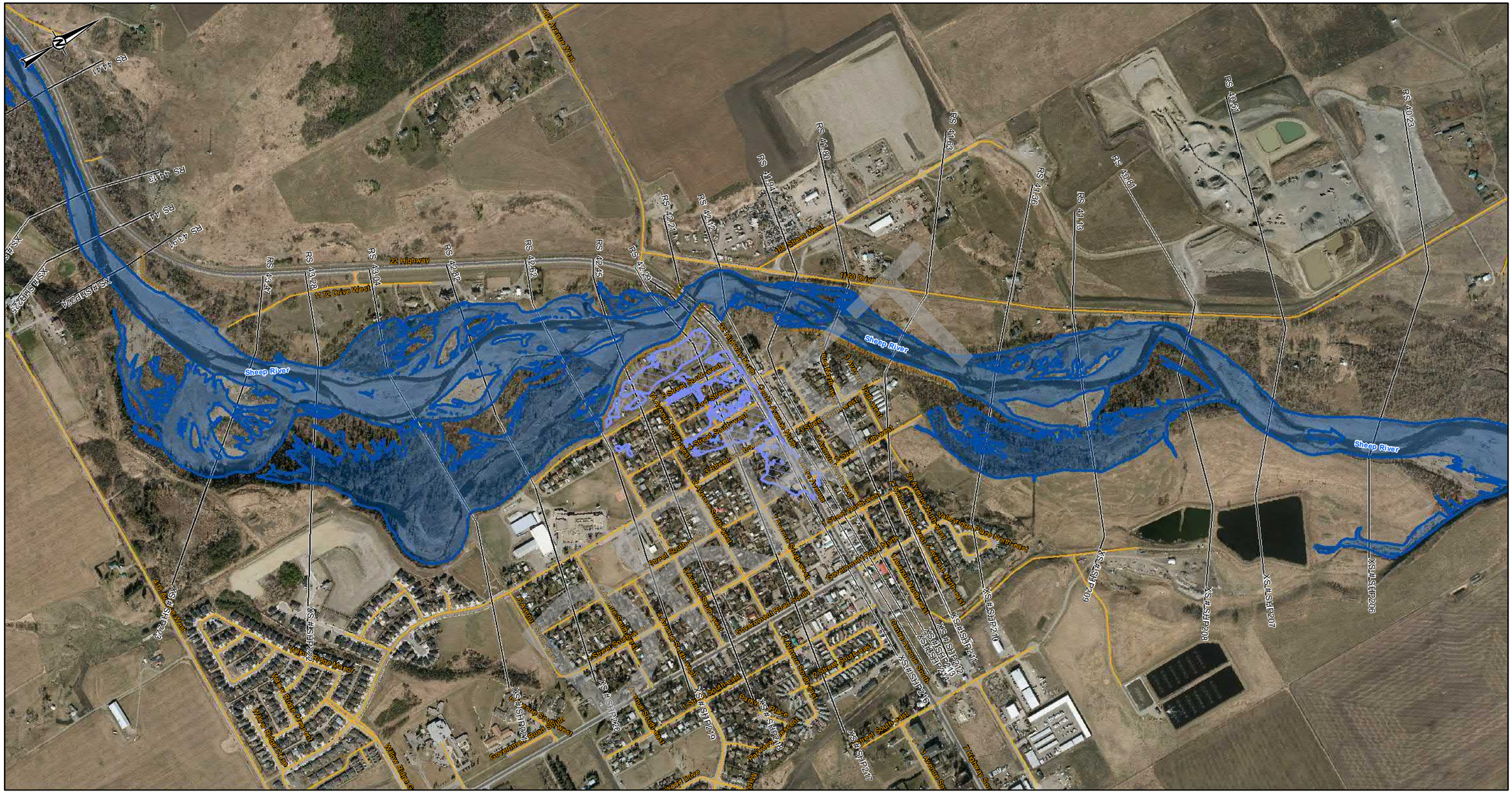
0 25mm

Classification: Public

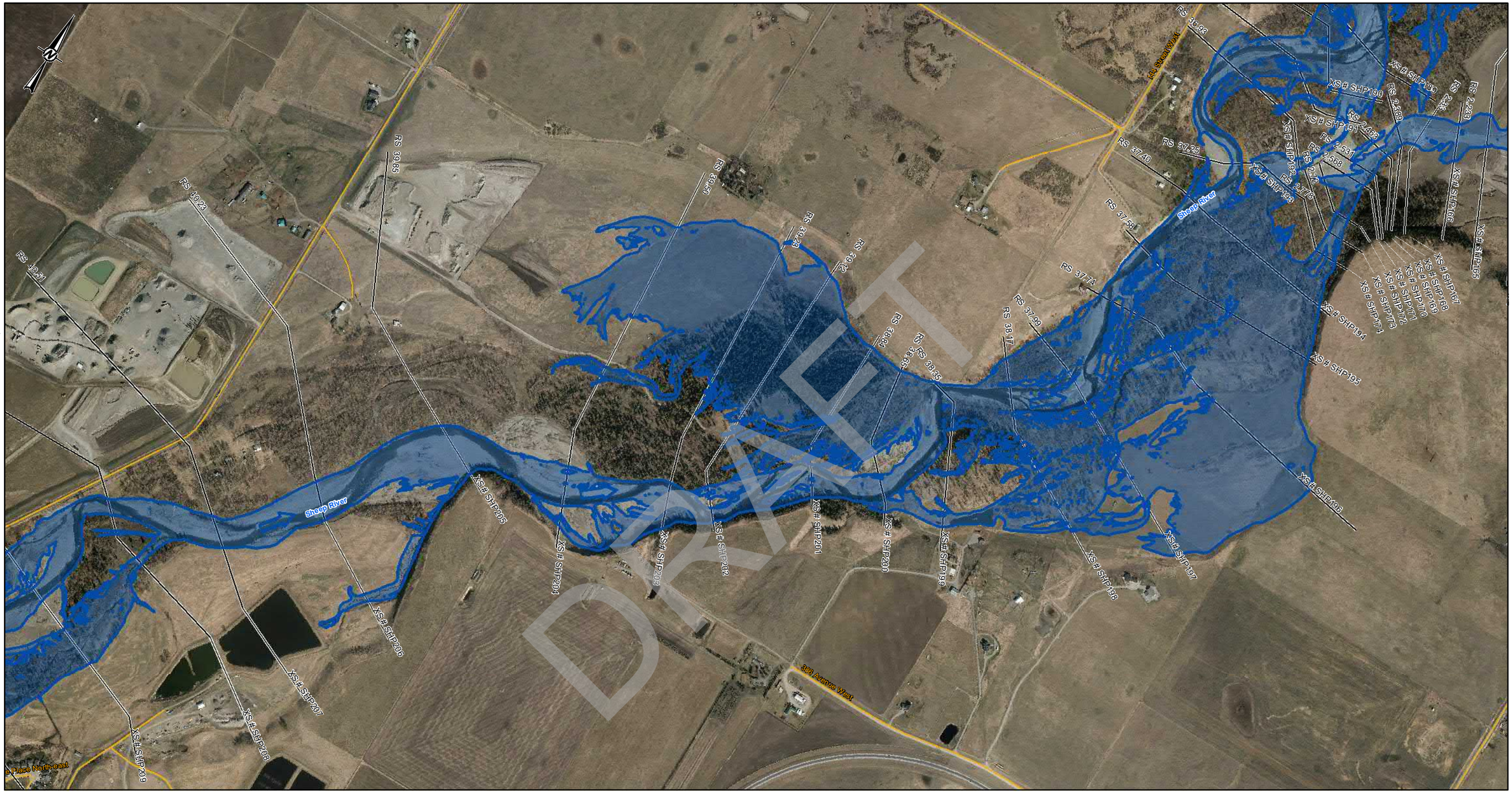
SHEET 5 ↑

SHEET 7 ↑


Sheep River
22 Highway
1172 Drive West
1180 Drive West
182 Street West
Willow Ridge Manor
Willow Ridge Close
Willow Ridge Crescent
Willow Ridge Road
Willow Ridge Green
Willow Ridge Gate
Willow Ridge Mews
Willow Ridge Rise
Willow Ridge Way
Willow Ridge Point
Willow Ridge Heights
Willow Ridge Hill
Willow Ridge Park
Willow Ridge Terrace
Willow Ridge Boulevard
Willow Ridge Circle
Willow Ridge Court
Willow Ridge Drive
Willow Ridge Grove
Willow Ridge Landing
Willow Ridge Meadow
Willow Ridge Pasture
Willow Ridge Pathway
Willow Ridge Plaza
Willow Ridge Square
Willow Ridge Trail
Willow Ridge Vista
Willow Ridge View
Willow Ridge Walk
Willow Ridge Wharf
Willow Ridge Wood
Willow Ridge Woods
Willow Ridge Yard
Willow Ridge Zone
Willow Ridge Alley
Willow Ridge Avenue
Willow Ridge Bay
Willow Ridge Bend
Willow Ridge Bluff
Willow Ridge Bridge
Willow Ridge Cape
Willow Ridge Cliff
Willow Ridge Cove
Willow Ridge Creek
Willow Ridge Crossing
Willow Ridge Curve
Willow Ridge Dale
Willow Ridge Estates
Willow Ridge Fairway
Willow Ridge Ferry
Willow Ridge Field
Willow Ridge Forest
Willow Ridge Garden
Willow Ridge Gardens
Willow Ridge Glade
Willow Ridge Glen
Willow Ridge Grange
Willow Ridge Grove
Willow Ridge Harbour
Willow Ridge Haven
Willow Ridge Hollow
Willow Ridge Island
Willow Ridge Junction
Willow Ridge Lake
Willow Ridge Lane
Willow Ridge Manor
Willow Ridge Mews
Willow Ridge Mill
Willow Ridge Moor
Willow Ridge Mount
Willow Ridge Orchard
Willow Ridge Parade
Willow Ridge Park
Willow Ridge Passage
Willow Ridge Path
Willow Ridge Pines
Willow Ridge Place
Willow Ridge Plaza
Willow Ridge Point
Willow Ridge Port
Willow Ridge Quay
Willow Ridge Rise
Willow Ridge Row
Willow Ridge Run
Willow Ridge Shore
Willow Ridge Square
Willow Ridge Station
Willow Ridge Stream
Willow Ridge Terrace
Willow Ridge Trail
Willow Ridge Valley
Willow Ridge View
Willow Ridge Village
Willow Ridge Vista
Willow Ridge Walk
Willow Ridge Way

SHEET 6 ↑

SHEET 8 ↑



DRAFT

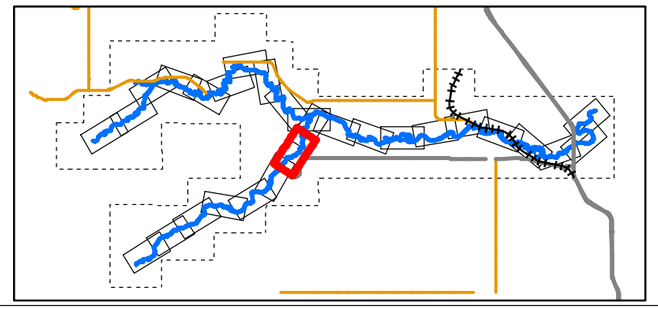
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 240 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 7 of 28

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

25mm

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Classification: Public

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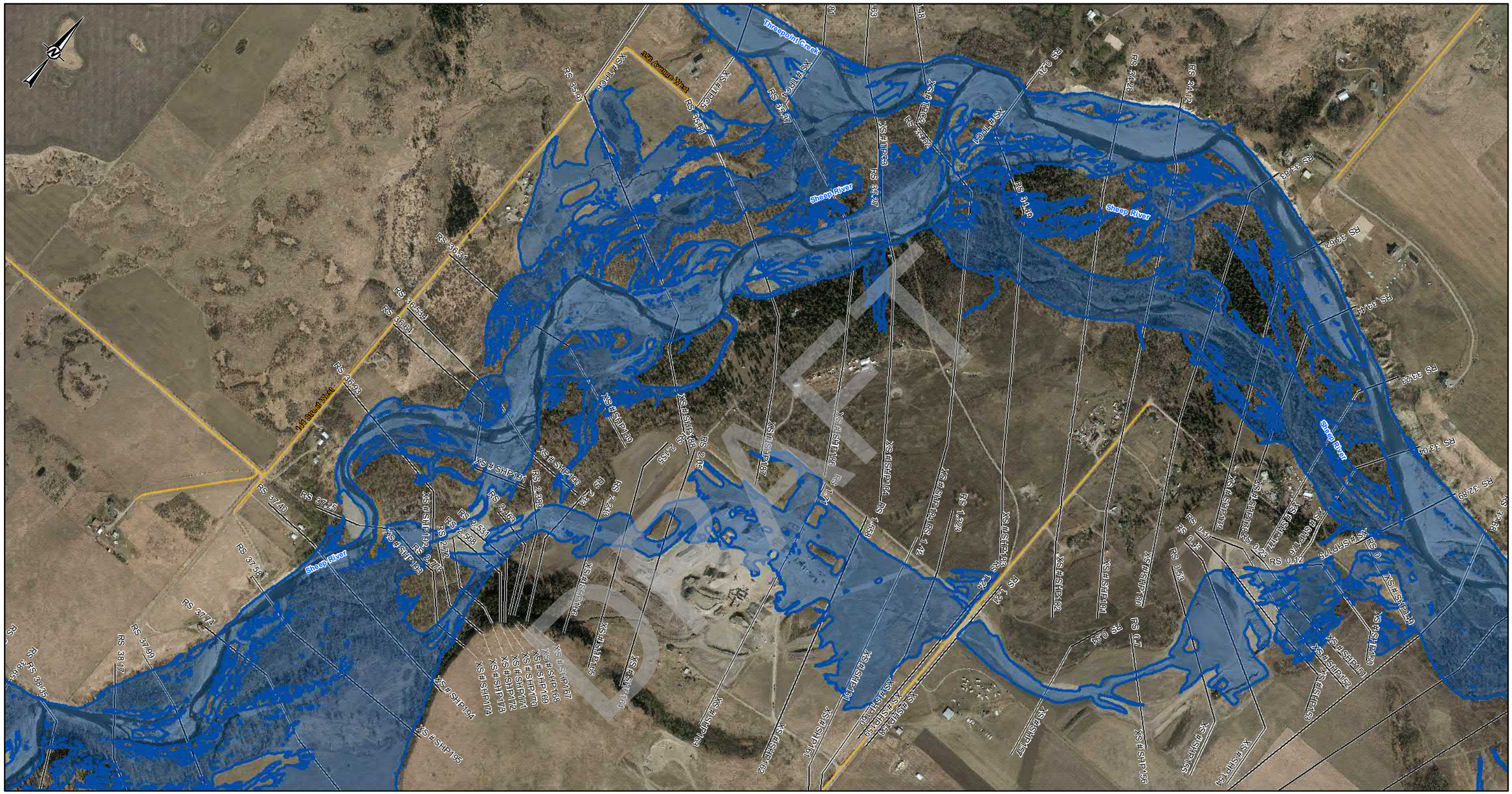
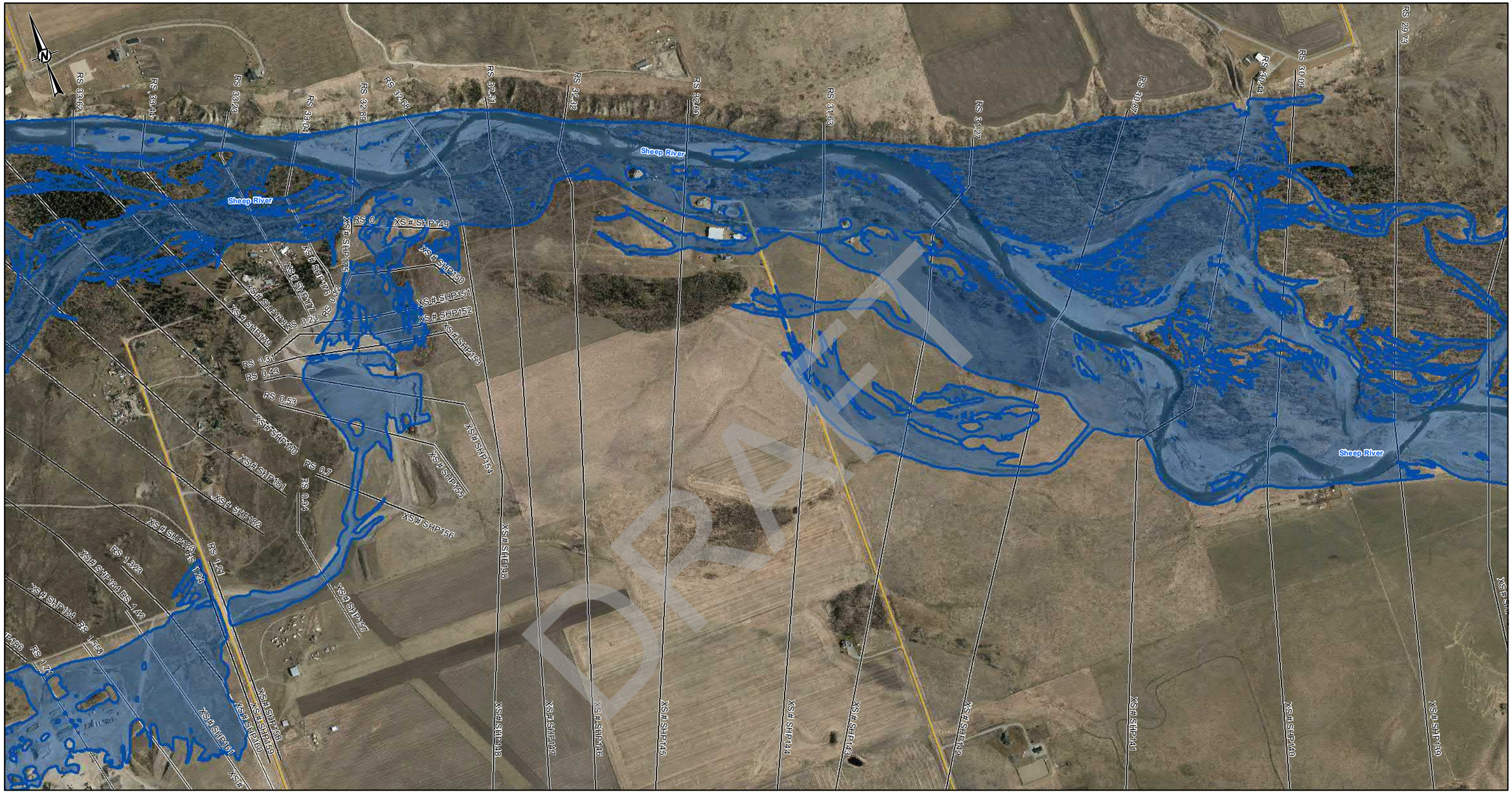
SHEET 7 ↑


Threepoint Creek
Sheep River
Sheep River
Sheep River

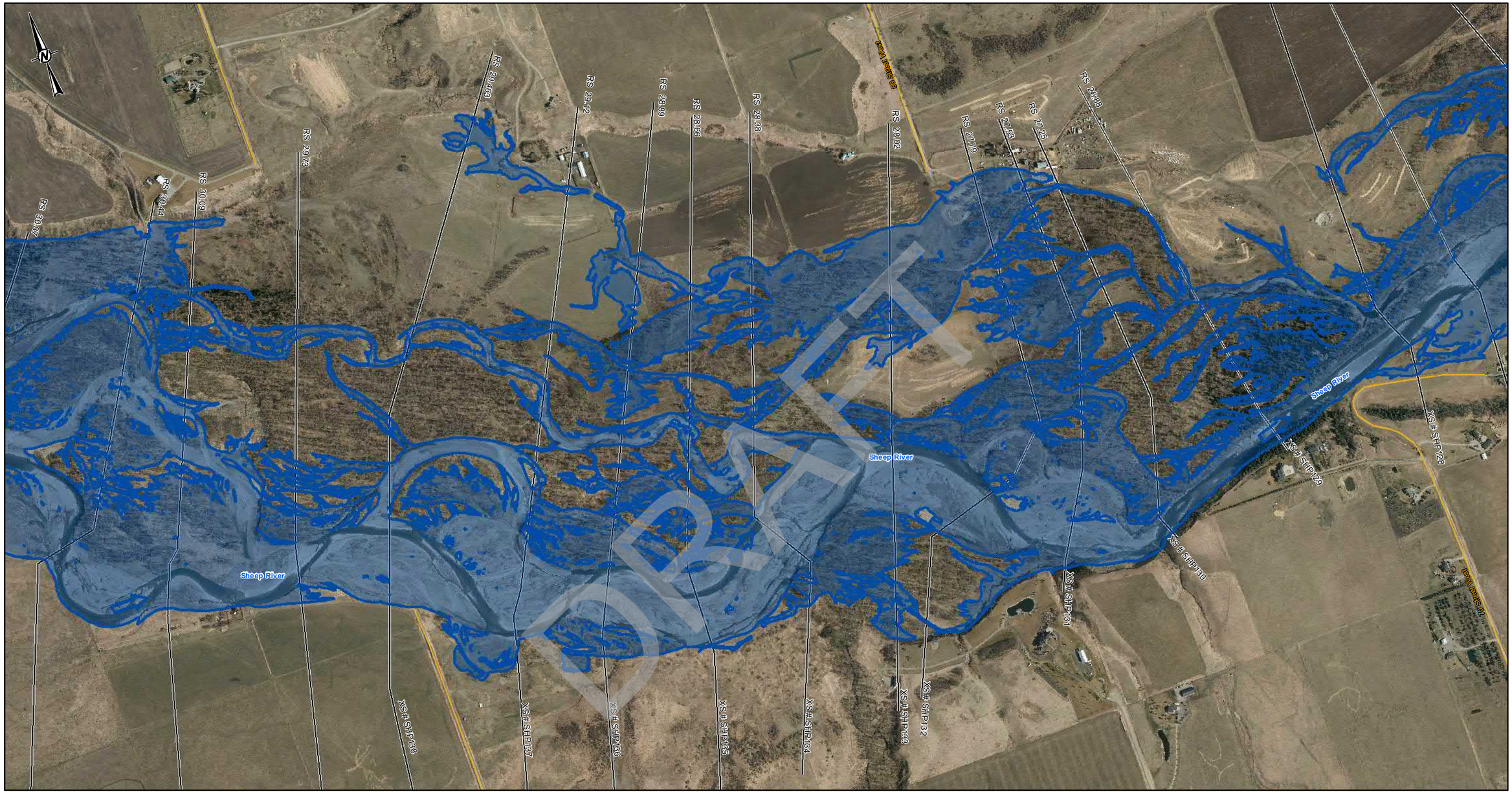
SHEET 8 ↑

SHEET 10 ↑



SHEET 9 ↑

SHEET 11 ↑



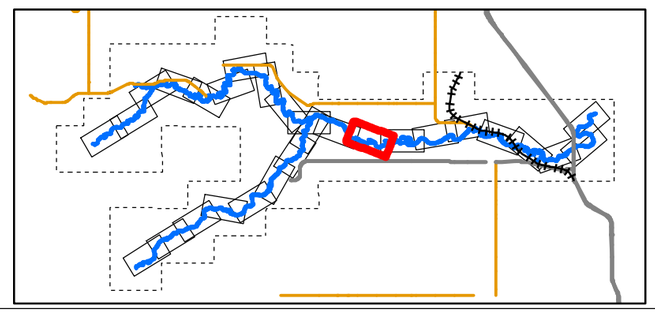
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 504 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 10 of 28

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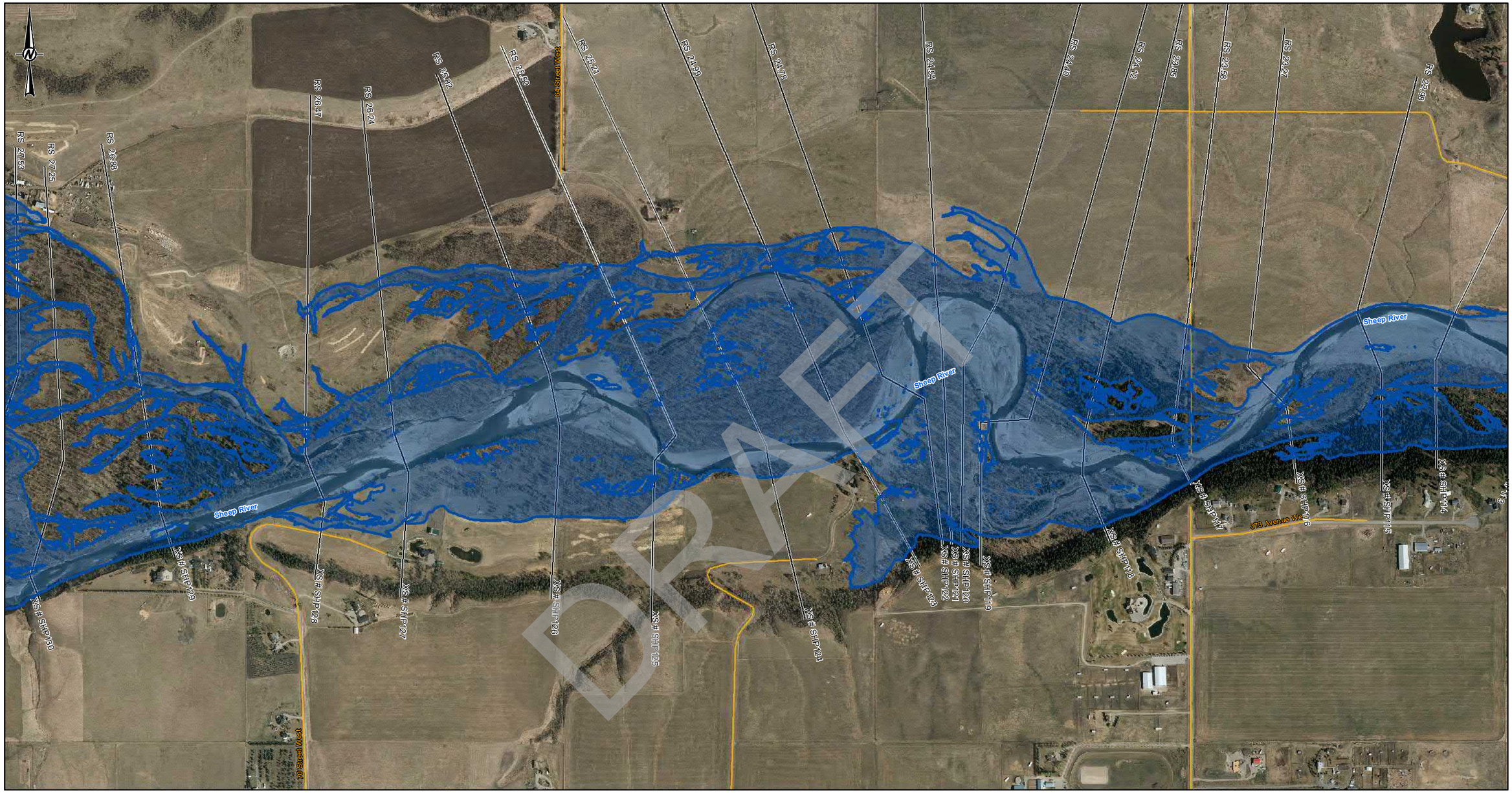
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



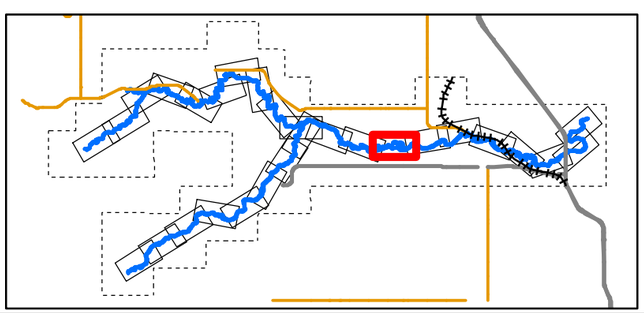
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 504 m^3/s



0 50 100 200 300 400
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TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 11 of 28

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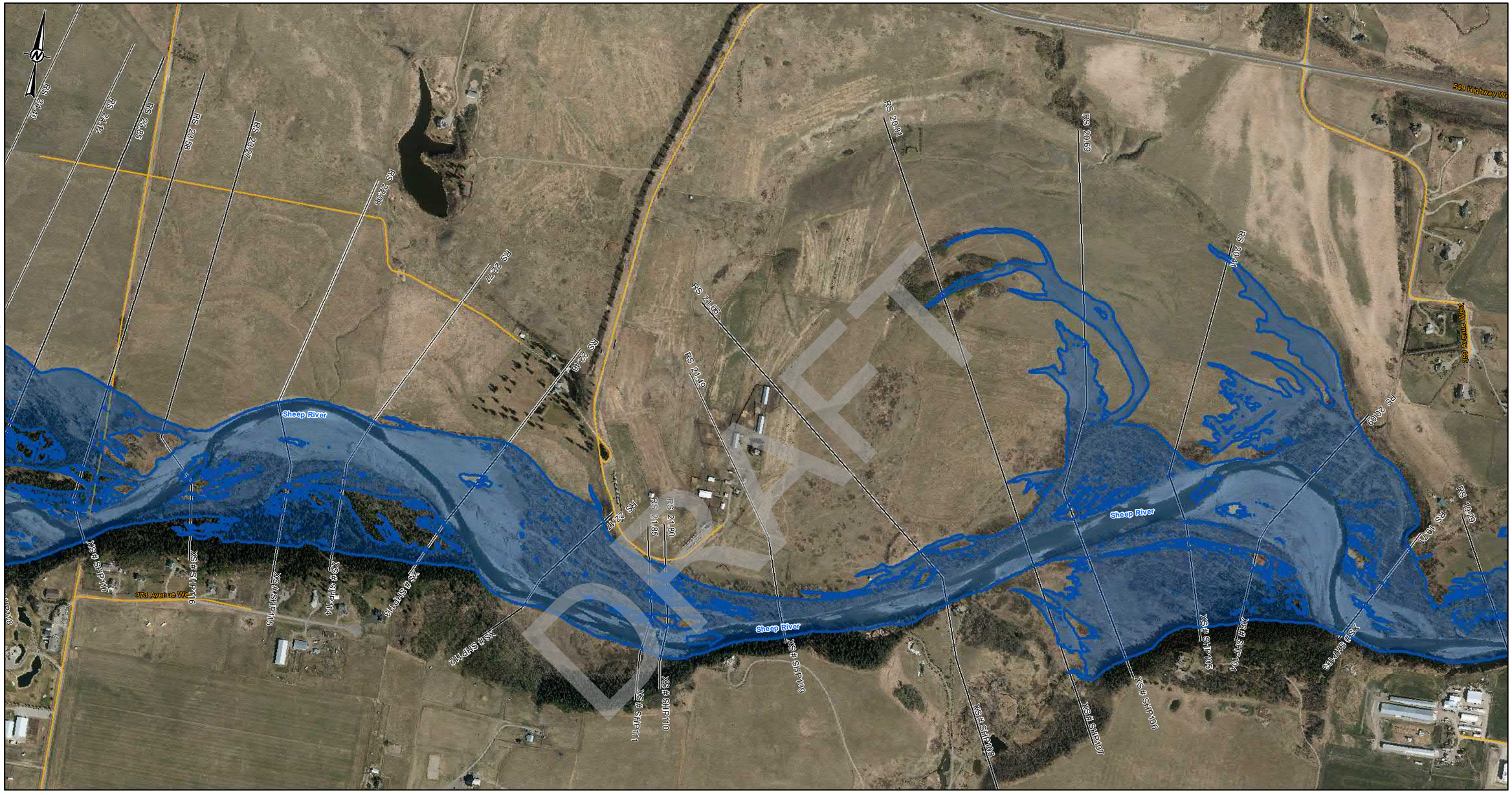
Classification: Public

SHEET 11 ↑

SHEET 13 ↑



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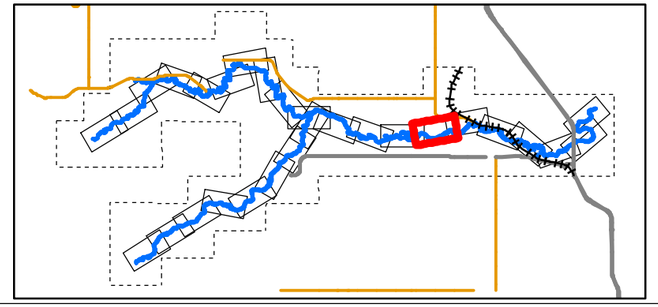
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 504 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 12 of 28

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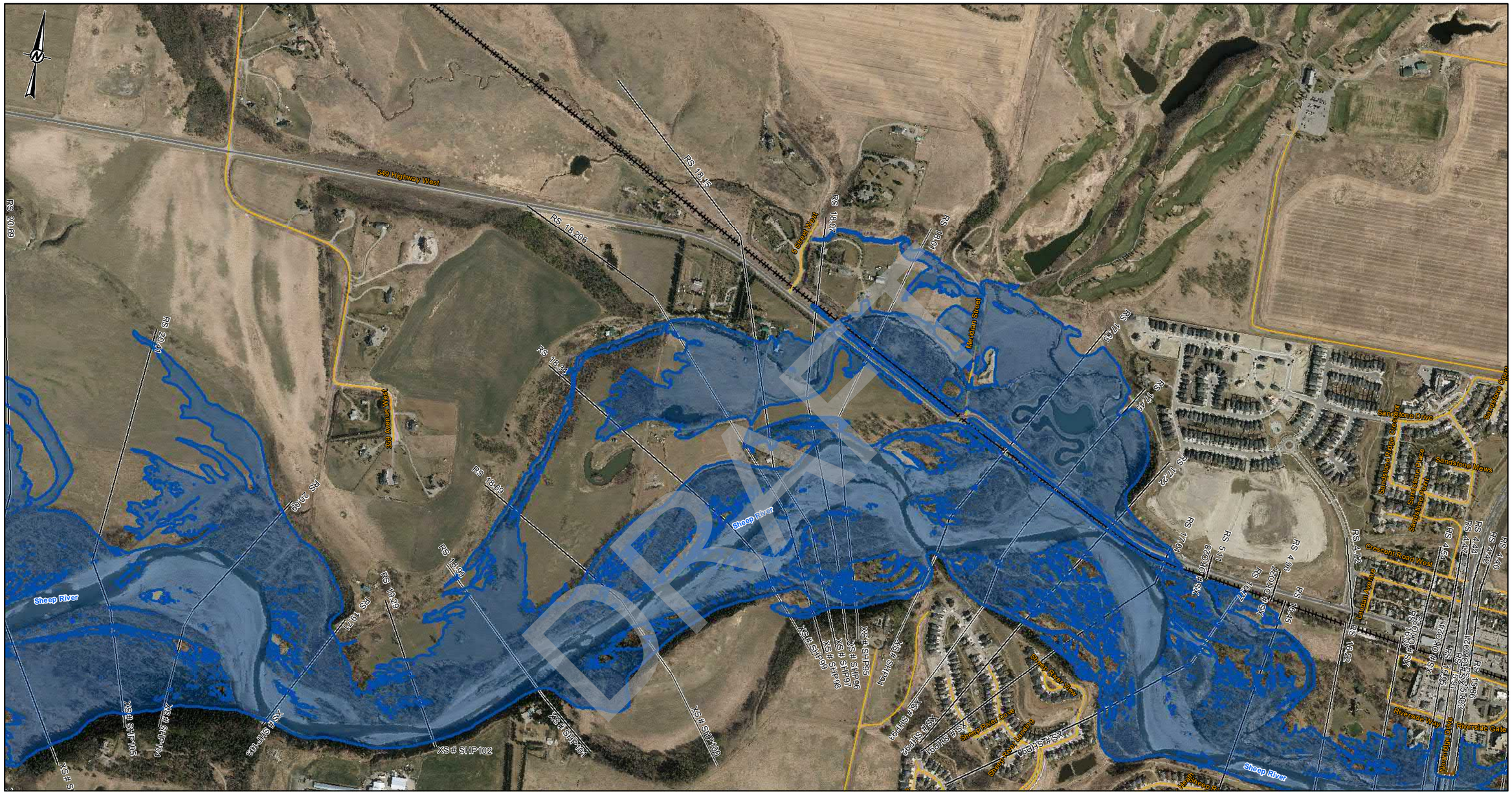
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



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LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
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- FLOOD CONTROL STRUCTURES
- BRIDGES
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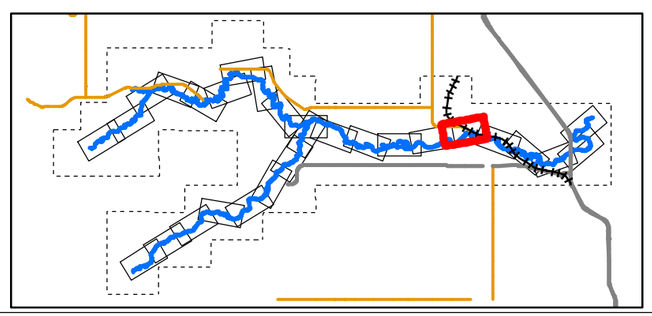
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 504 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 13 of 28

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Classification: Public

SHEET 13 ↑

SHEET 15 ↑

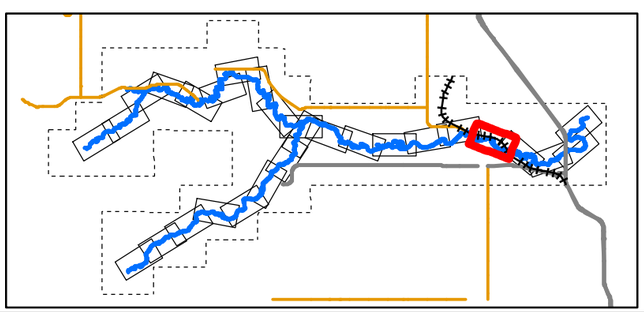
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 504 m^3/s



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1:10,000 METRES

CLIENT
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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 14 of 28

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

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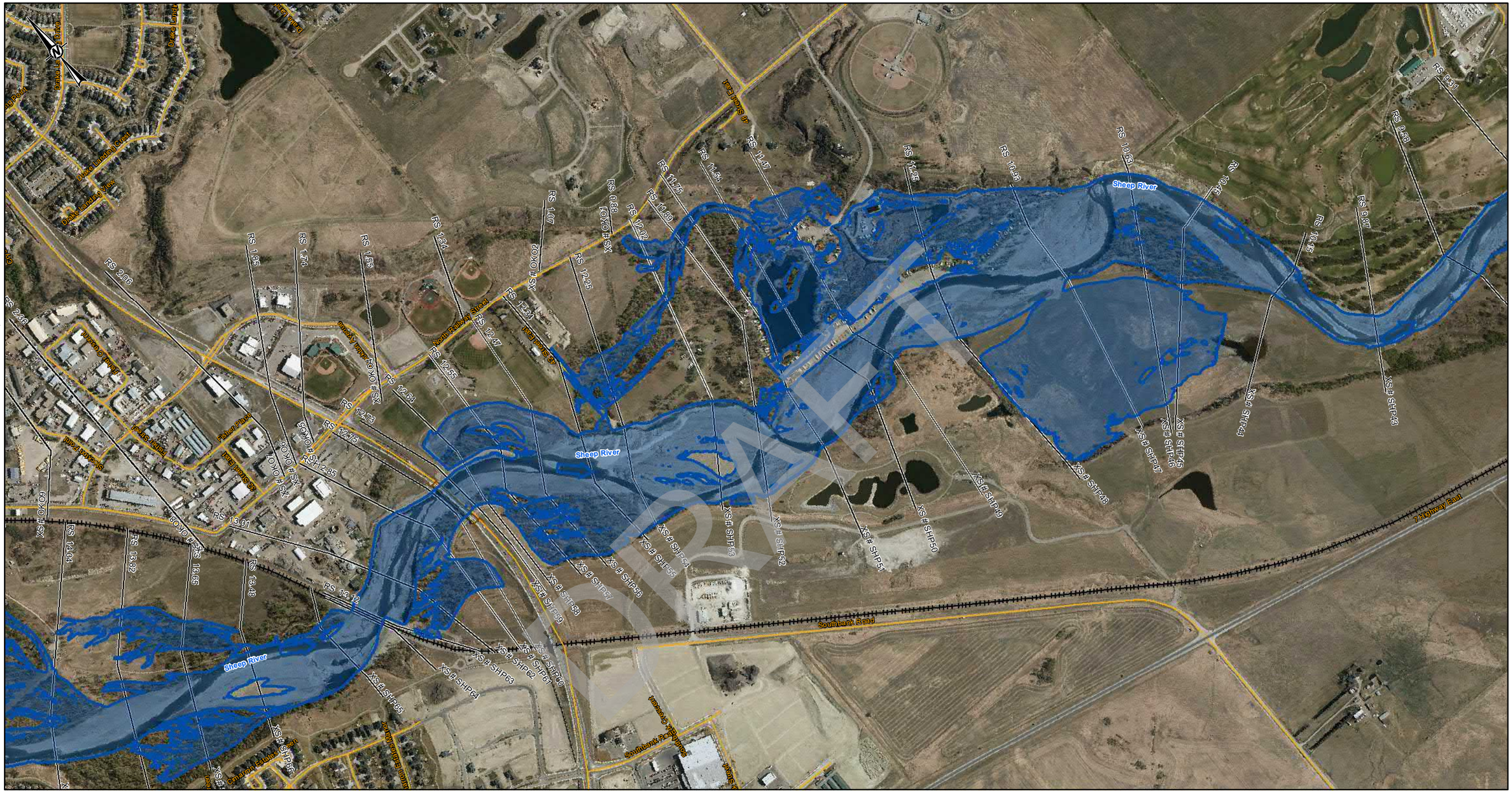
Classification: Public

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
Main Railway Street
Main Railway Street
Main Railway Street

SHEET 15 ↑

SHEET 17 ↑

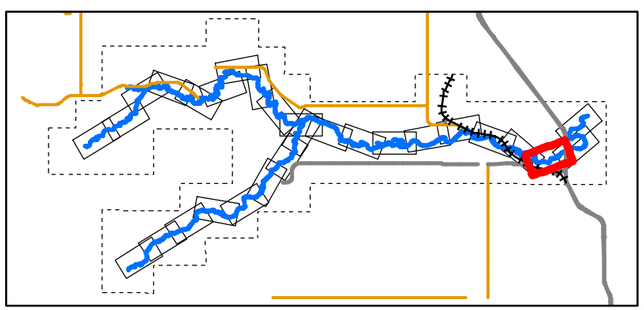
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 530 m³/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 16 of 28

DRAFT

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25mm
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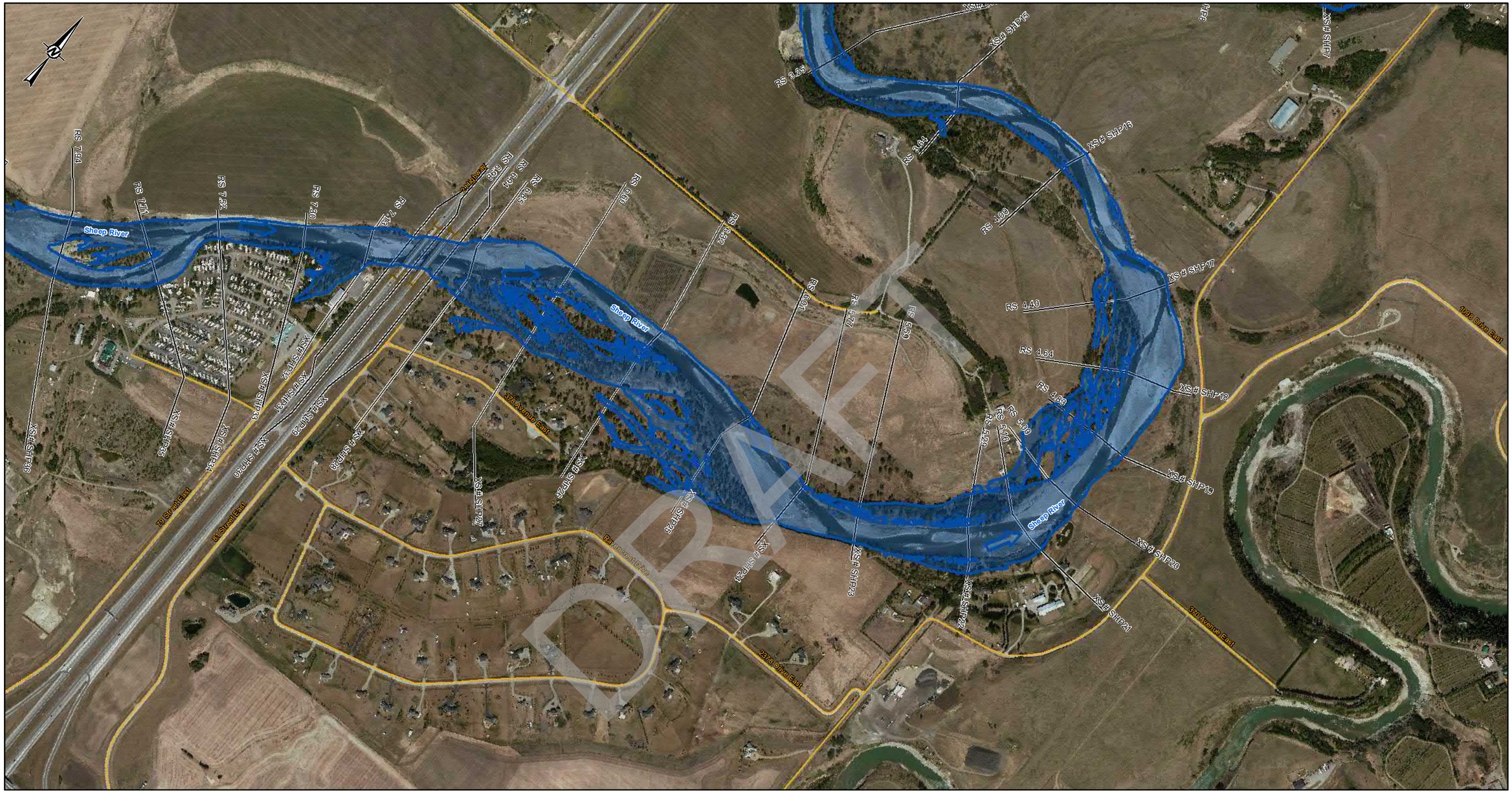
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



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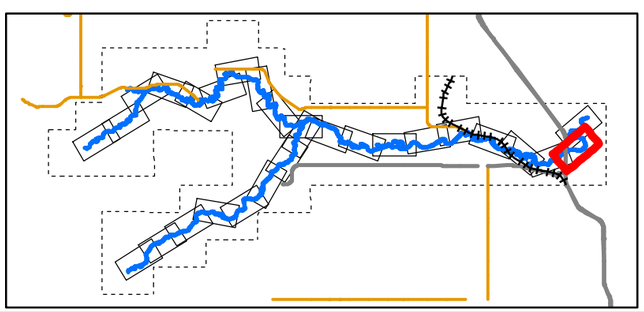
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 530 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 17 of 28

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Classification: Public

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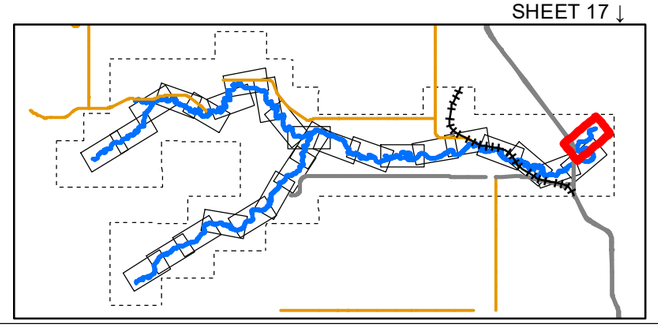

LEGEND

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- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 530 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 18 of 28

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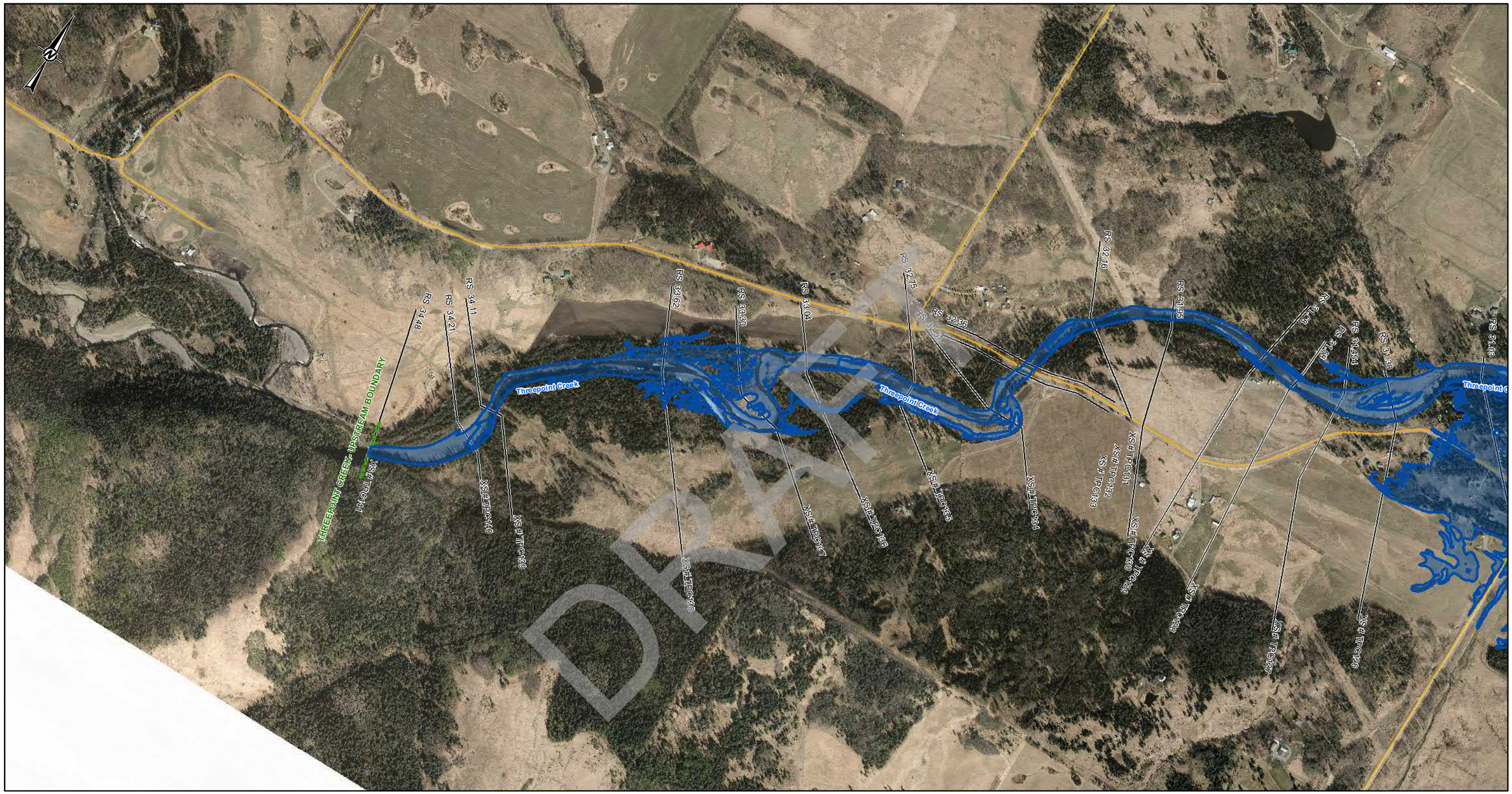

SHEET 20 ↑

DRAFT

LEGEND

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- PRIMARY HIGHWAY
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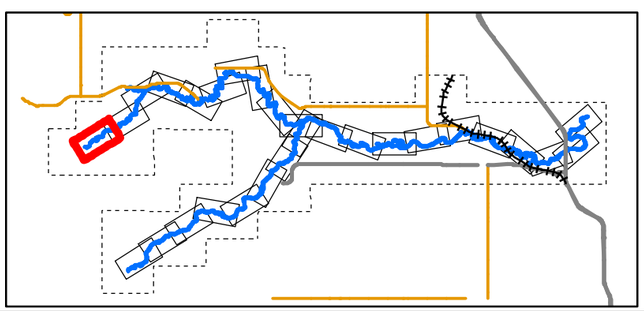
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 88.2 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 19 of 28

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

25mm

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

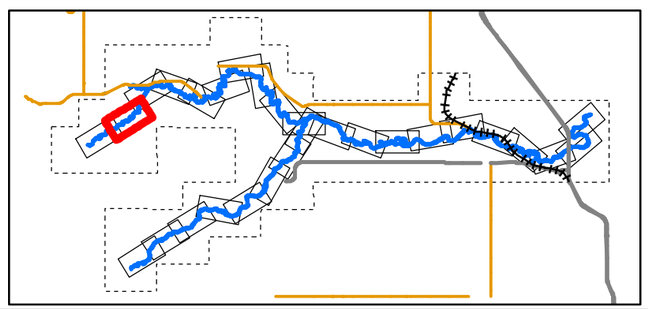
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 88.2 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 20 of 28

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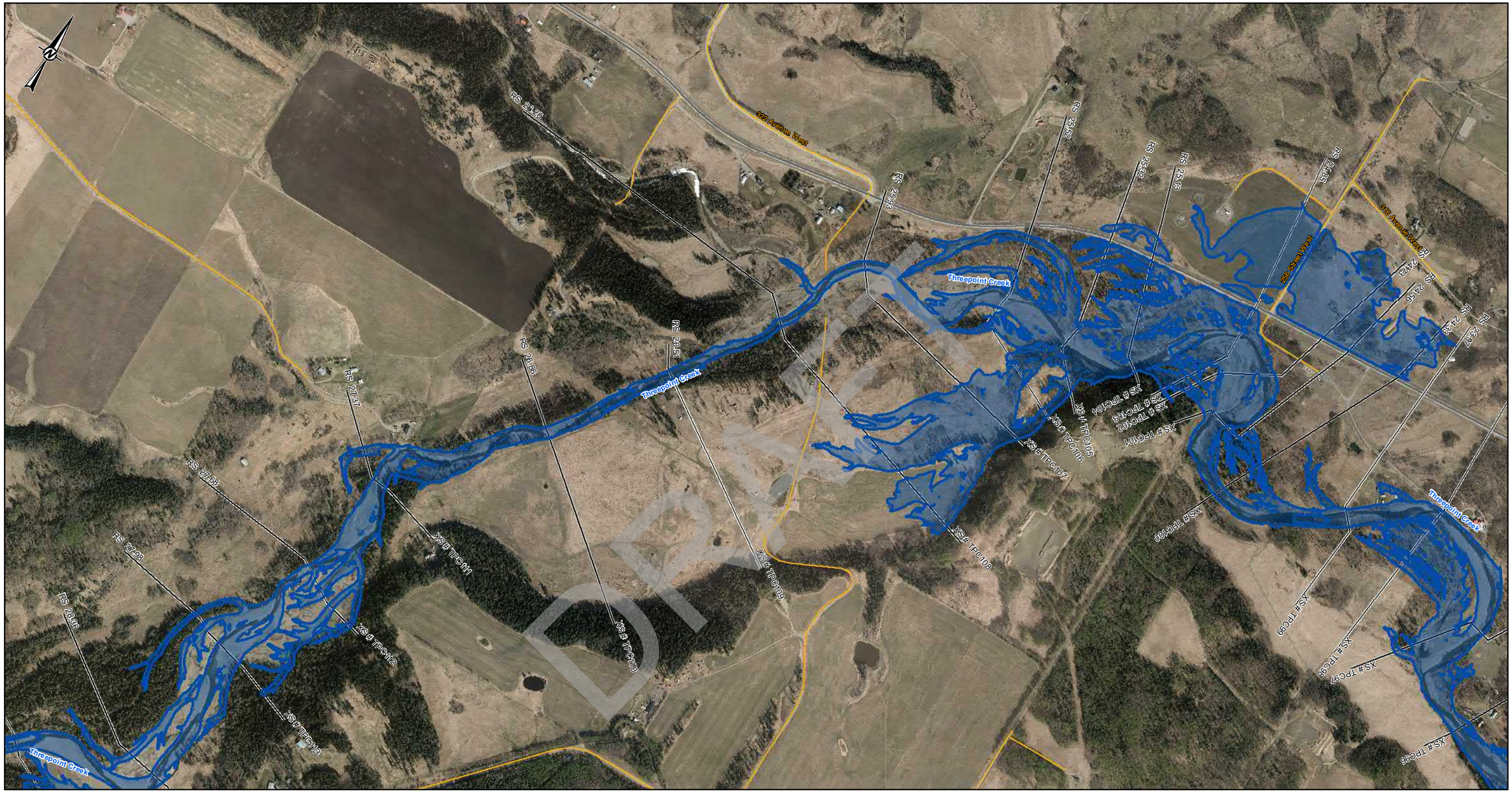
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



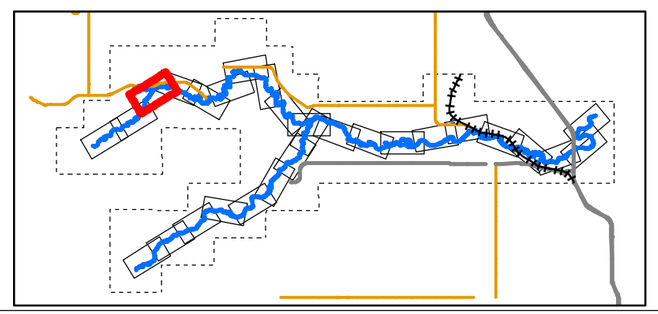
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 88.2 m^3/s
THREEPOINT CREEK= 158 m^3/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 21 of 28

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25mm

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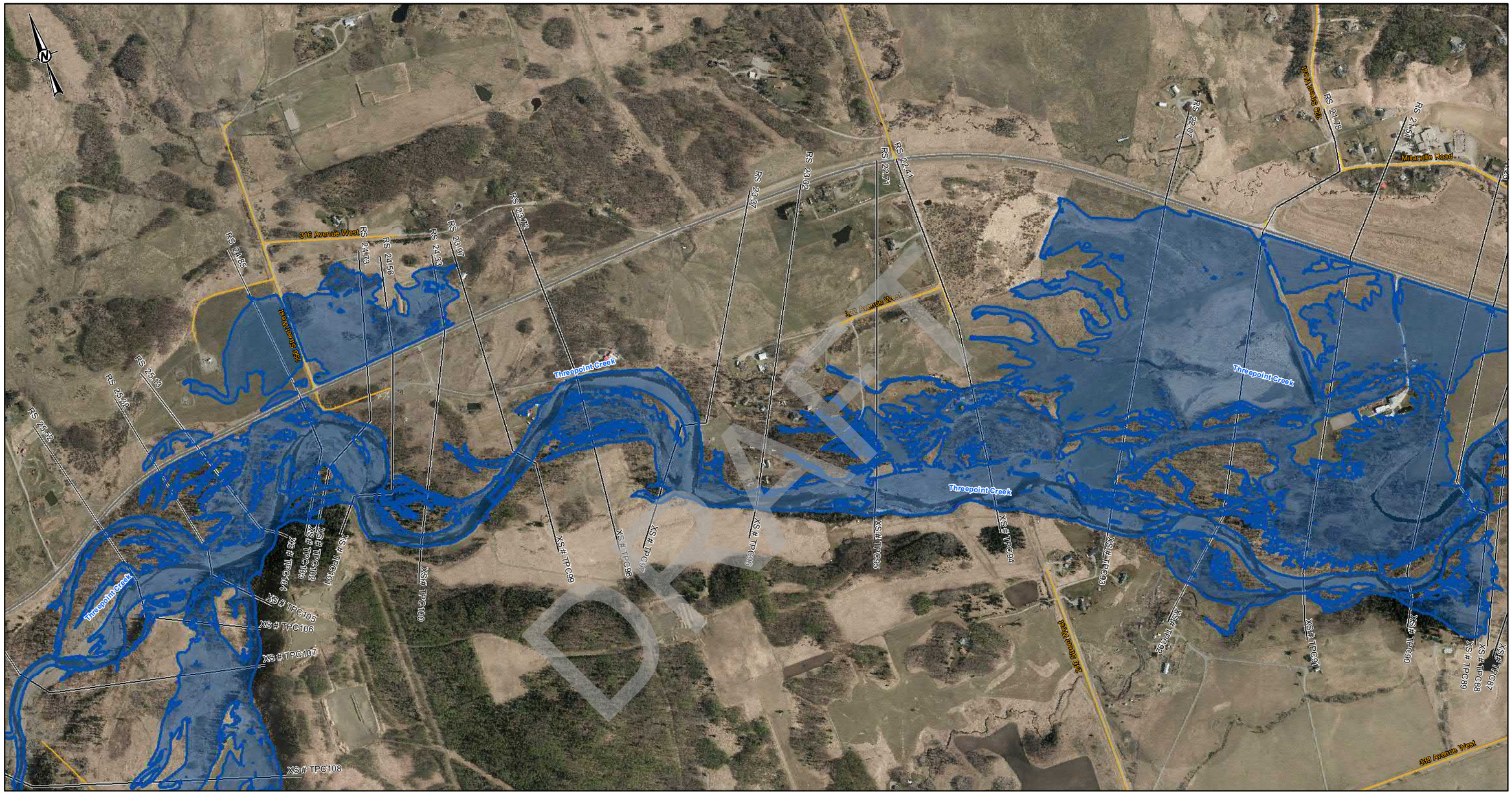
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



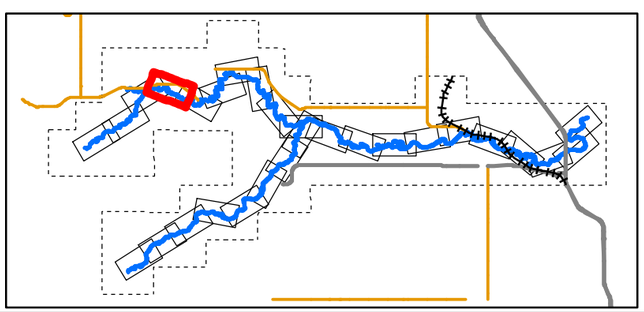
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 158 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 22 of 28

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

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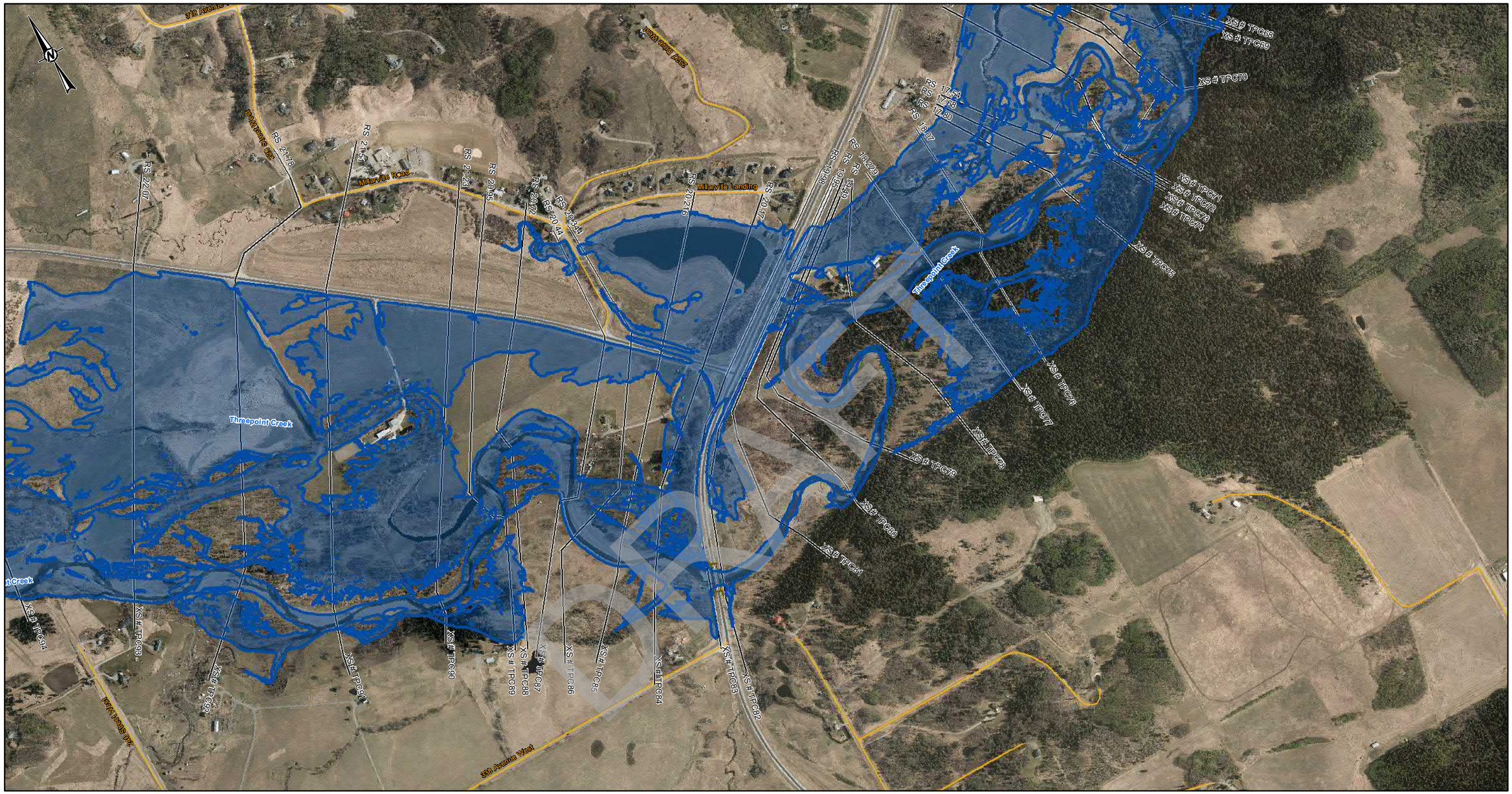
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



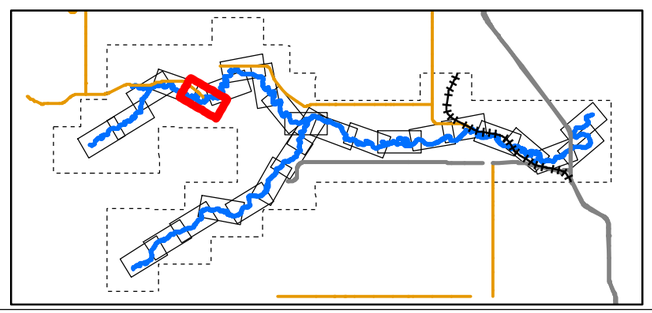
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 158 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 23 of 28

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

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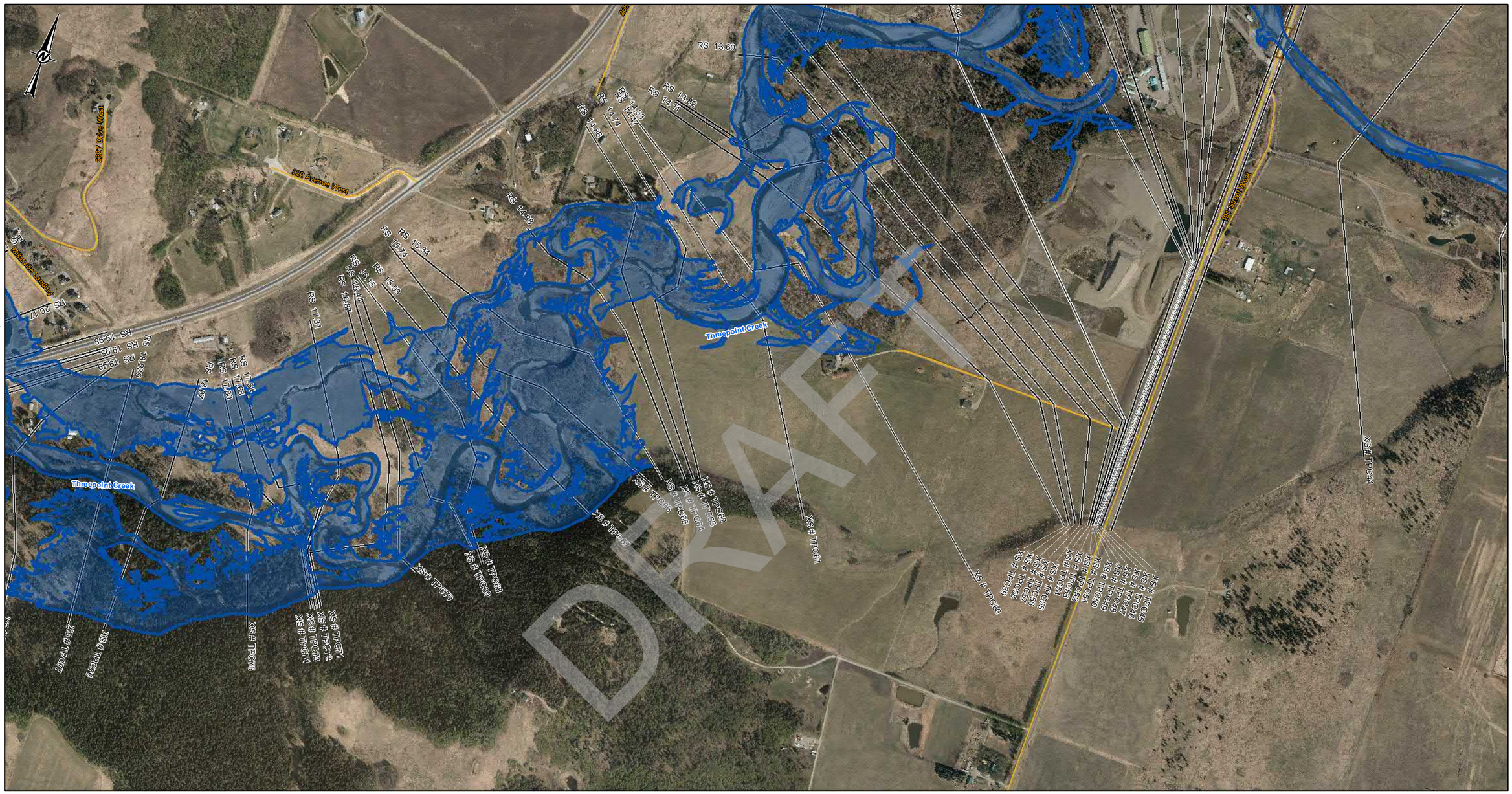
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

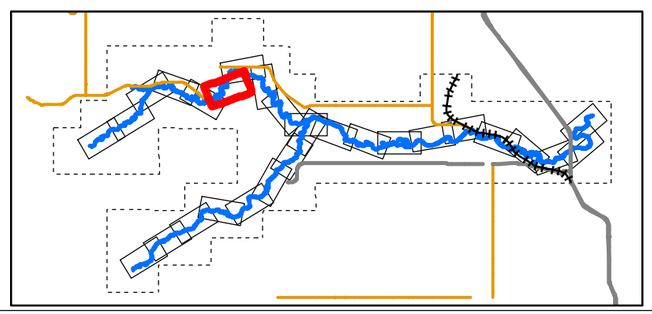
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 158 m^3/s
THREEPOINT CREEK= 192 m^3 (DS- RS 14.98)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 24 of 28

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

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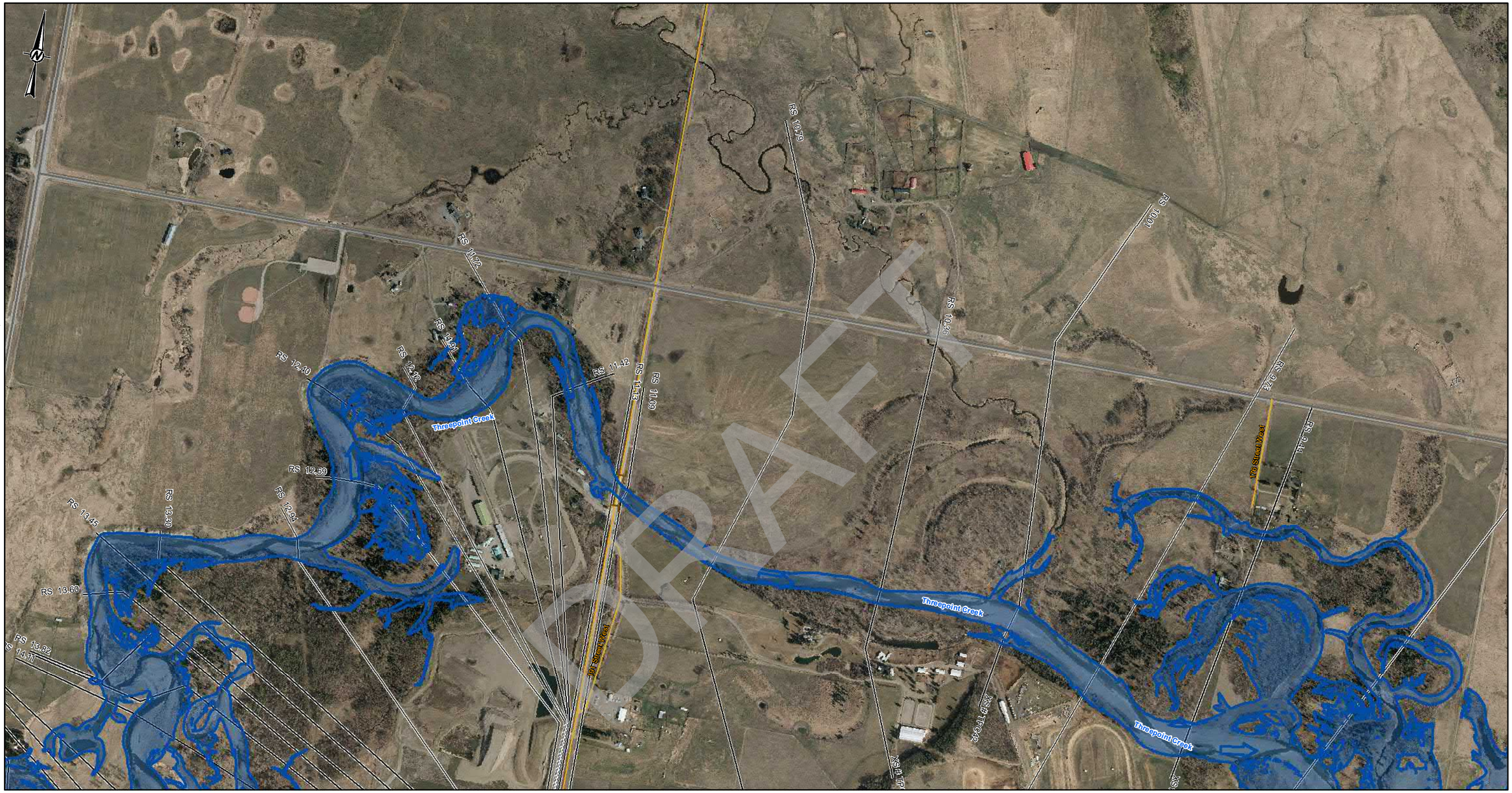

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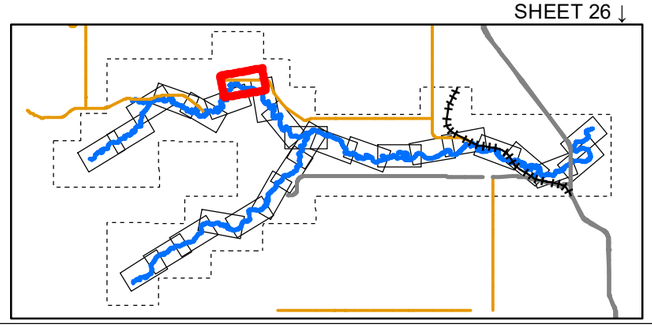

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 192 m^3/s

0 50 100 200 300 400
1:10,000 METRES

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 25 of 28

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25mm
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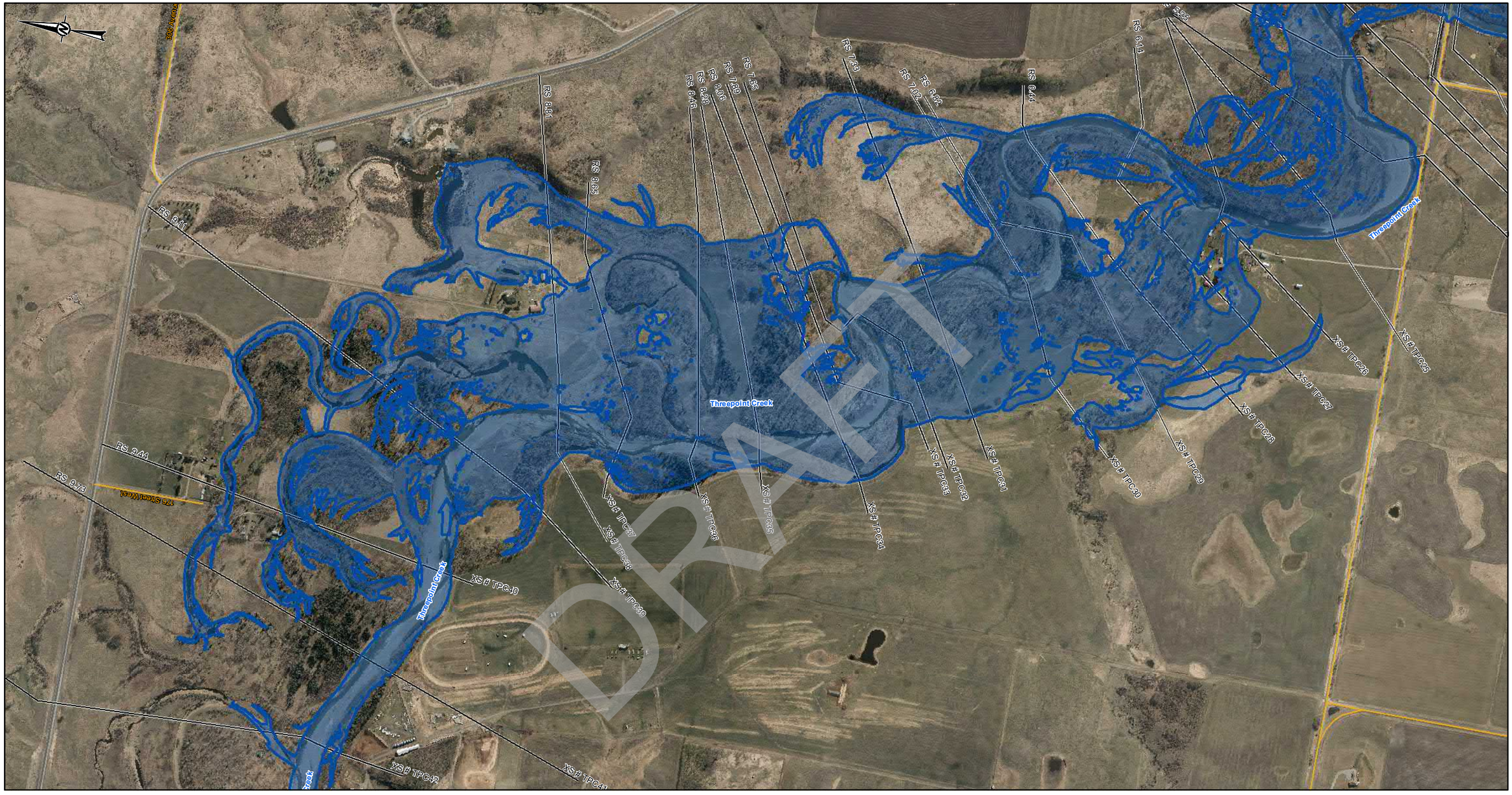
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



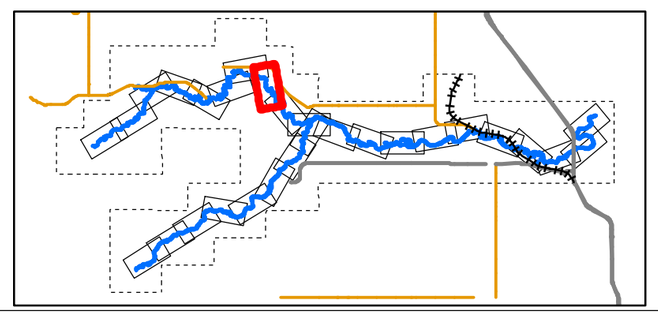
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 192 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 26 of 28

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Classification: Public

SHEET 26 ↑

SHEET 28 ↑

DRAFT

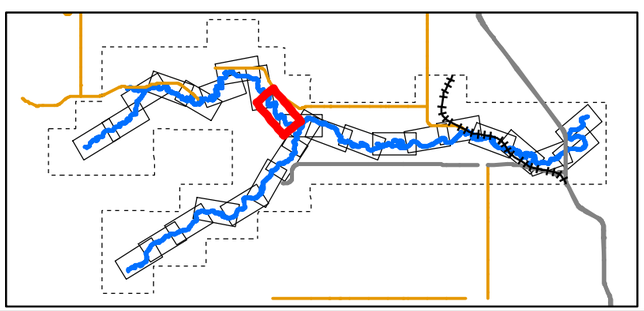
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 192 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 27 of 28

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25mm

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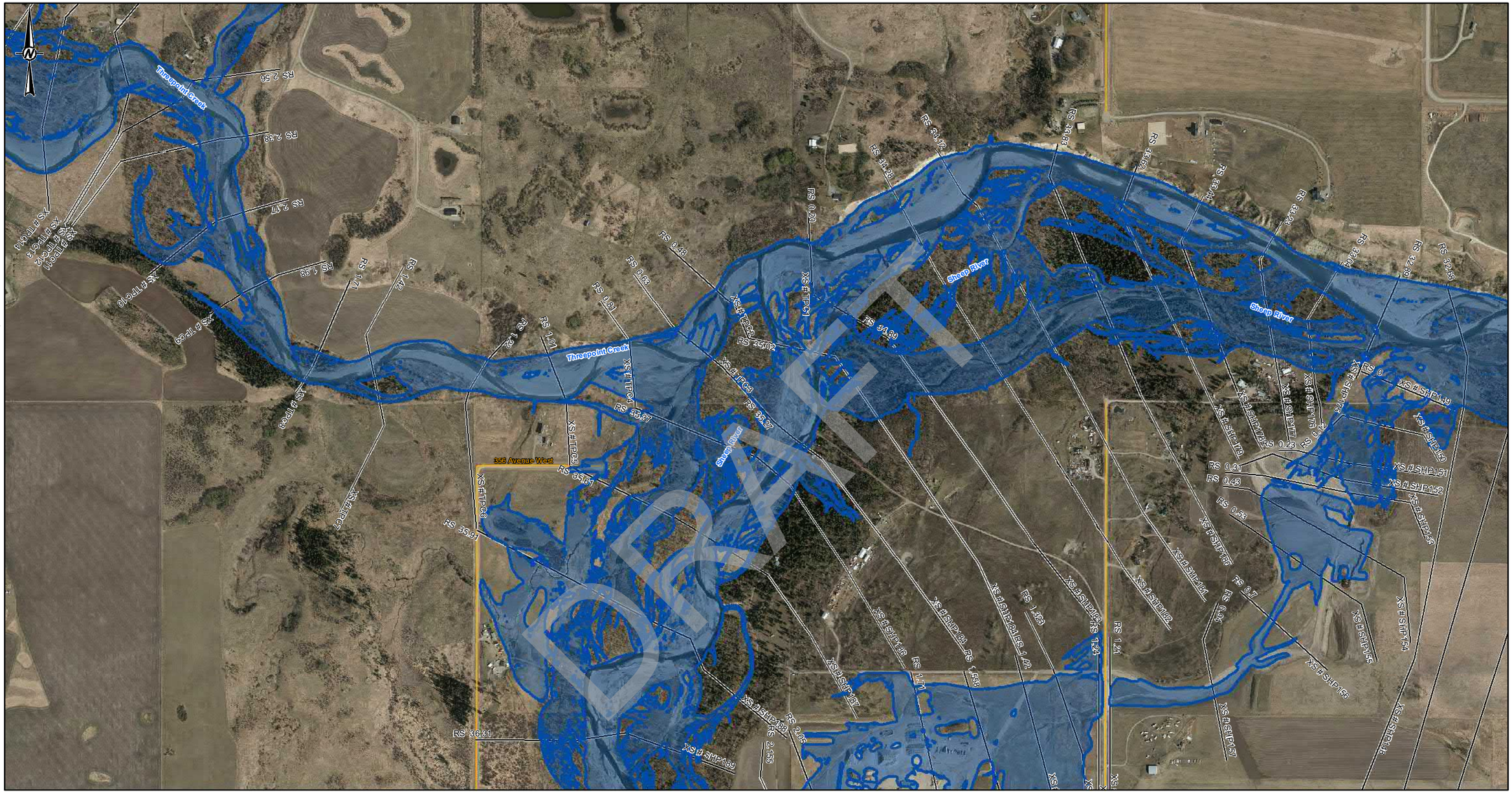
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
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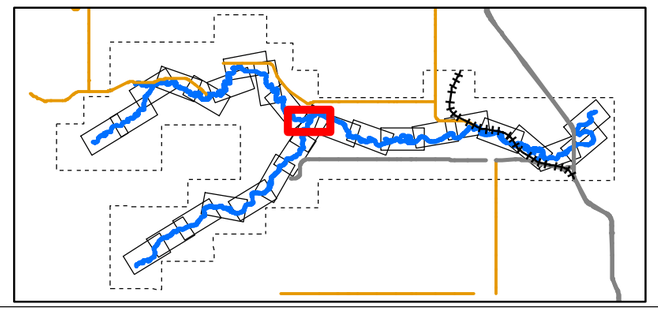
- LOCAL ROAD; LOCAL STREET
- RAILWAY

10-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 192 m ³/s
SHEEP RIVER= 240 m³/s
SHEEP RIVER= 432 m ³/s (DS- RS 34.28)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
10- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0003-3333	0	Sheet 28 of 28

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Classification: Public

20-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

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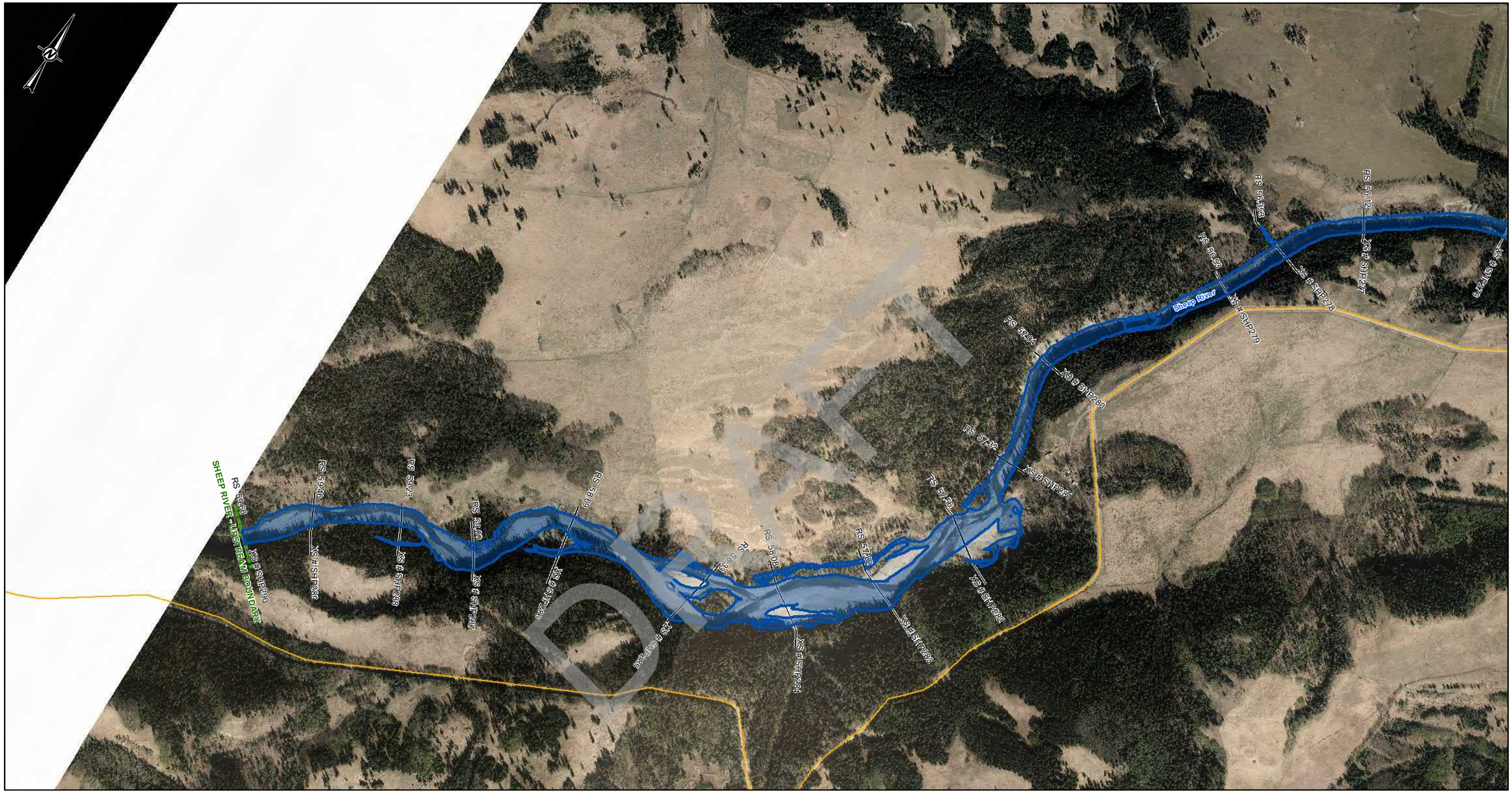


SHEET 2 ↑

DRAFT

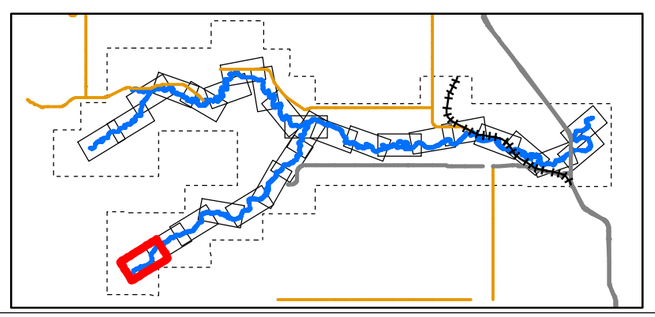
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 1 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
0 25mm
\\cgyfiler\Projects\WATERPOWER\228456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHD_2021\OUTBOX\AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022
Classification: Public

SHEET 1 ↑

SHEET 3 ↑

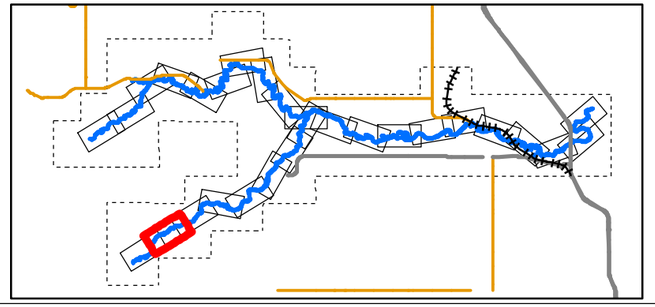
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 2 of 28

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Classification: Public

SHEET 2 ↑

SHEET 4 ↑

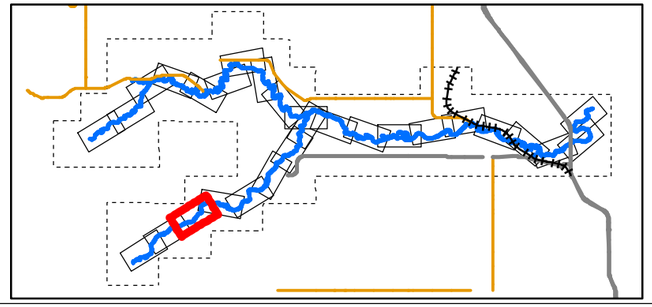
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 3 of 28

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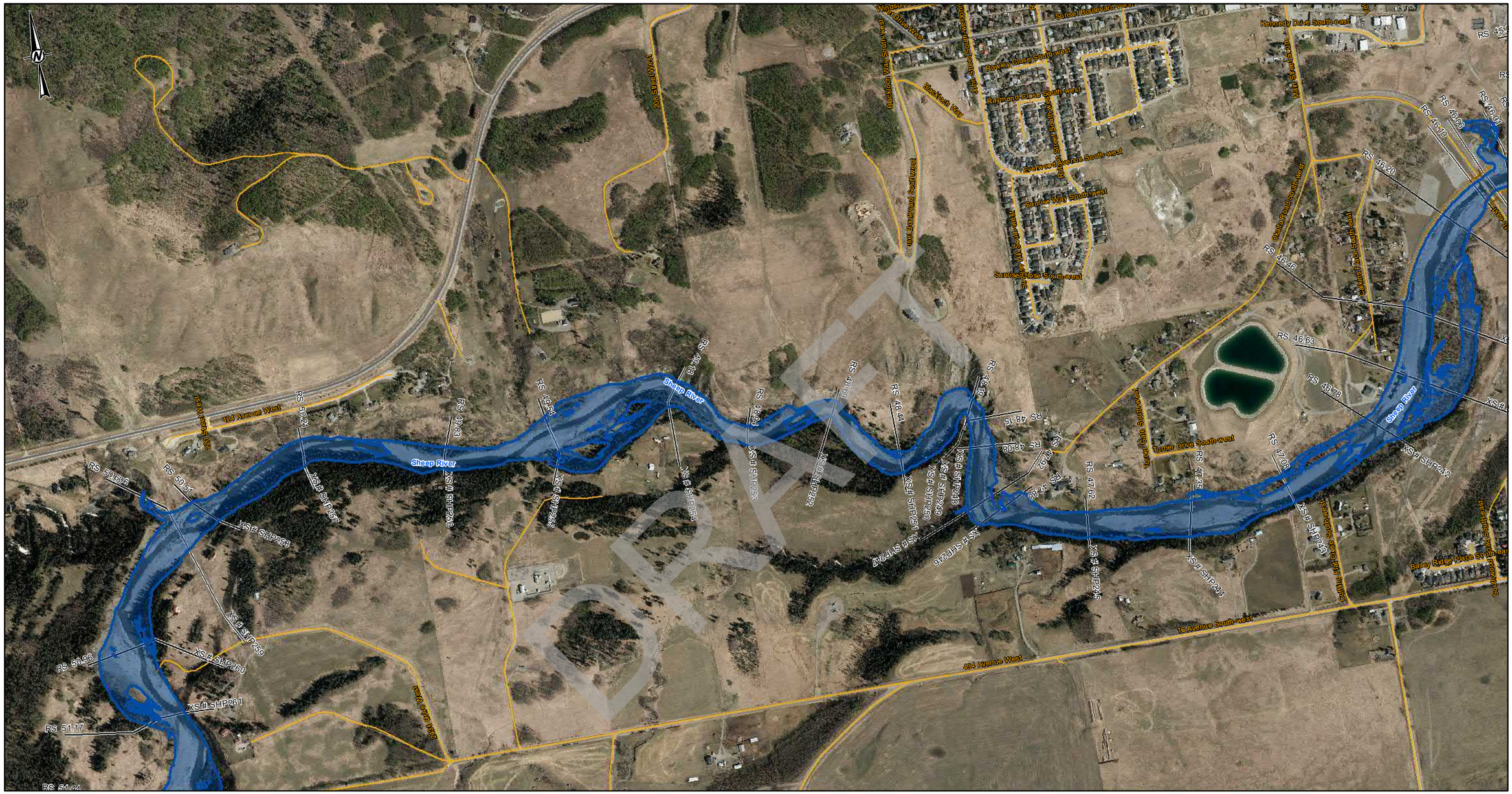
Classification: Public

SHEET 3 ↑

SHEET 5 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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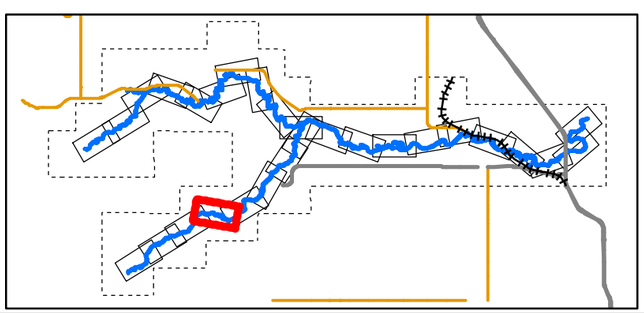
20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 4 of 28

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

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Classification: Public

SHEET 6 ↑

SHEET 4 ↑

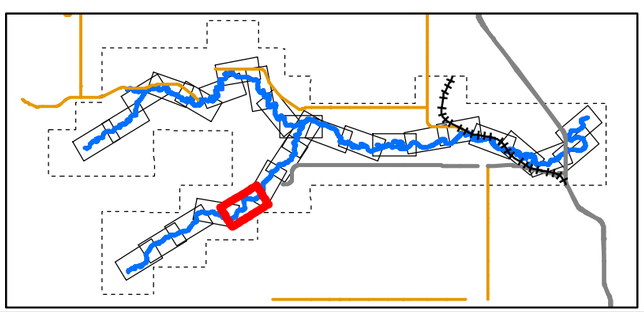
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m^3/s



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 5 of 28

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C:\Users\sare\Documents\WATERPOWER\124616\SPECIALIST_APPS\HEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2021.gdb\Mxd\20 Year Flood Inundation Extent.mxd

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

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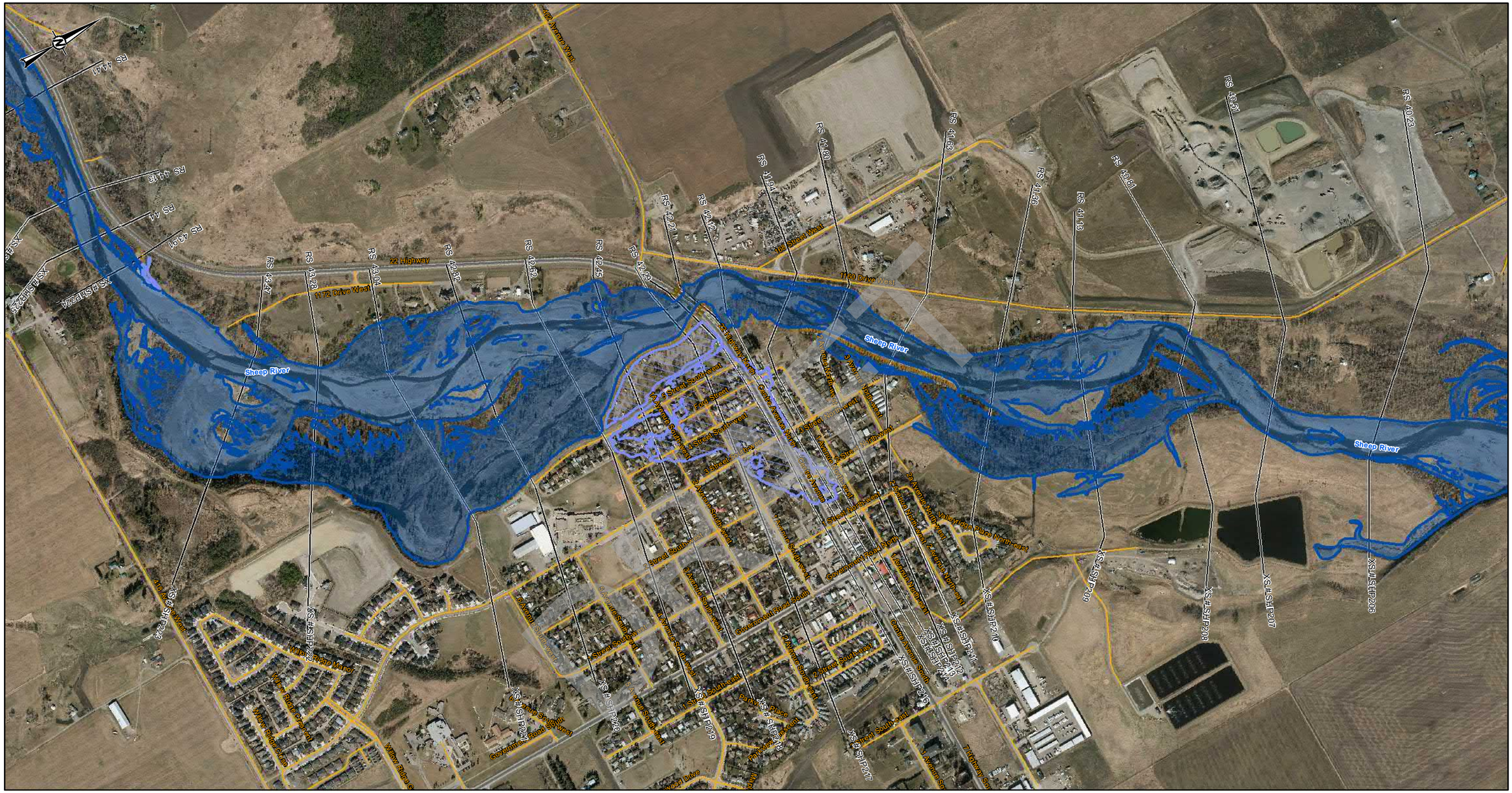
SHEET 7 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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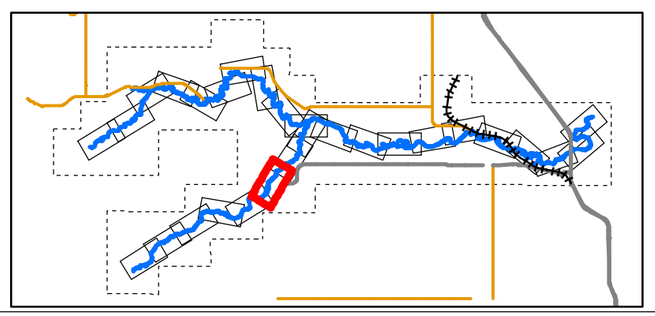
20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 361 m³/s



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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 6 of 28

C:\Users\sdaigle\Documents\WATERPOWER\12346\GIS\EC\AUST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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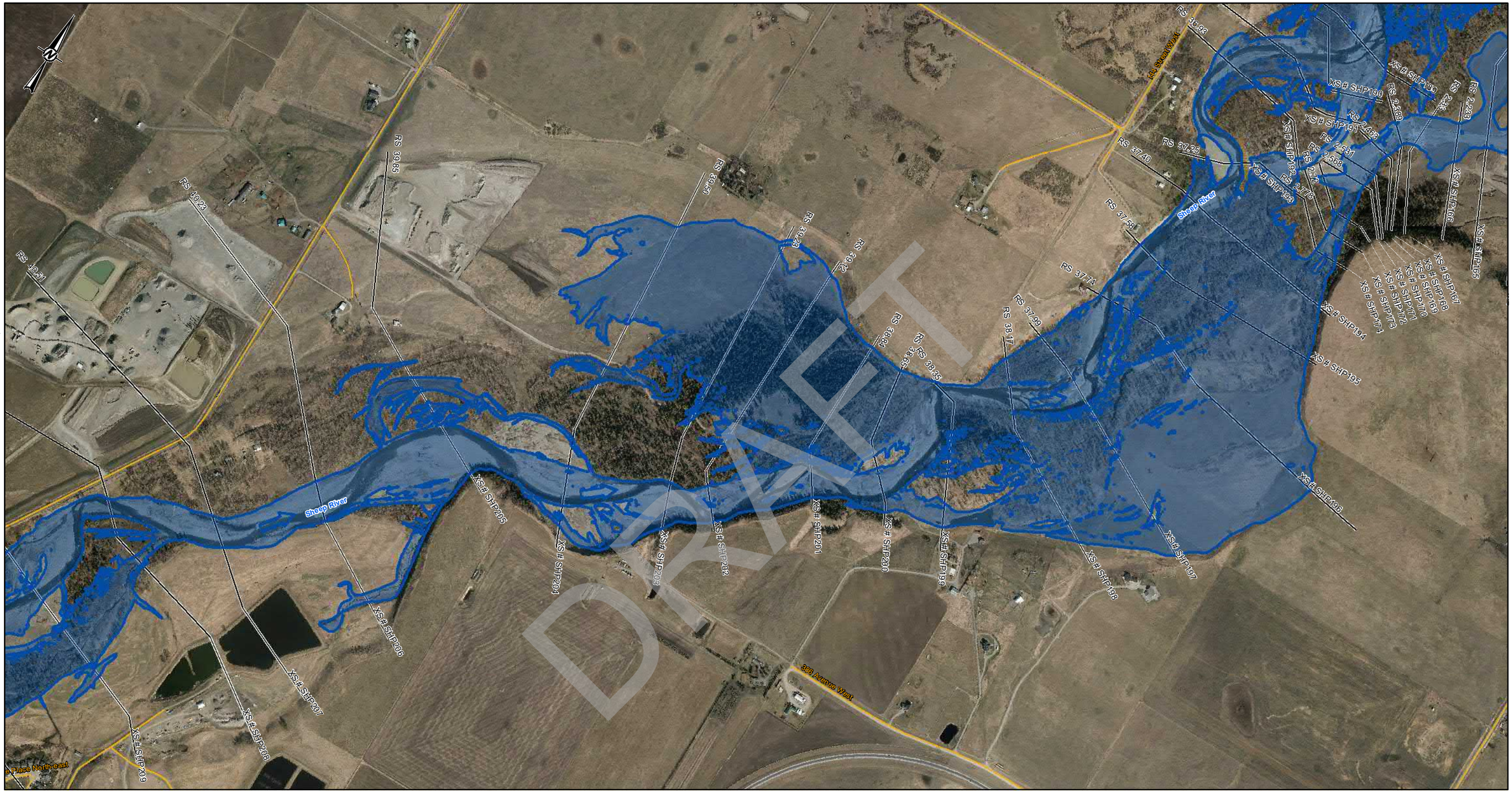
Classification: Public

SHEET 6 ↑

SHEET 8 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
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20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
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DISCHARGE
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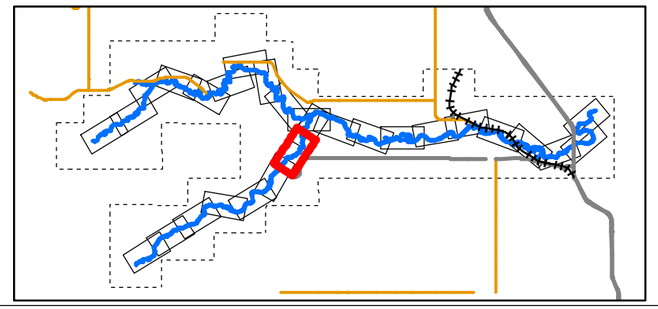

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 7 of 28

C:\Users\jtyrrell\Projects\WATERPOWER\228\GIS\SPECIALIST_APPS\MEP_SHEEP_RIVER_FHS_2021\OUTBOX\MEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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

Classification: Public

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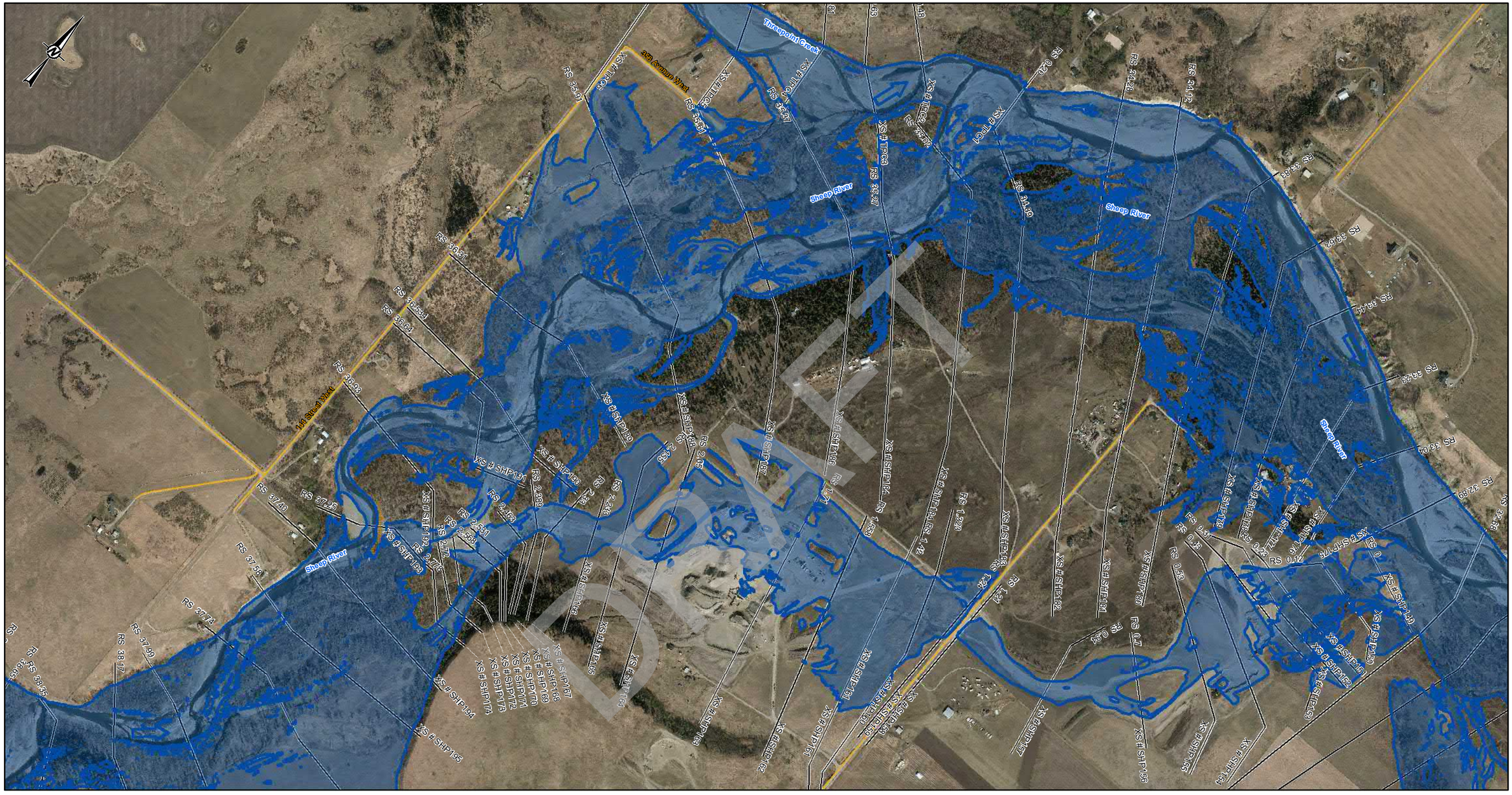
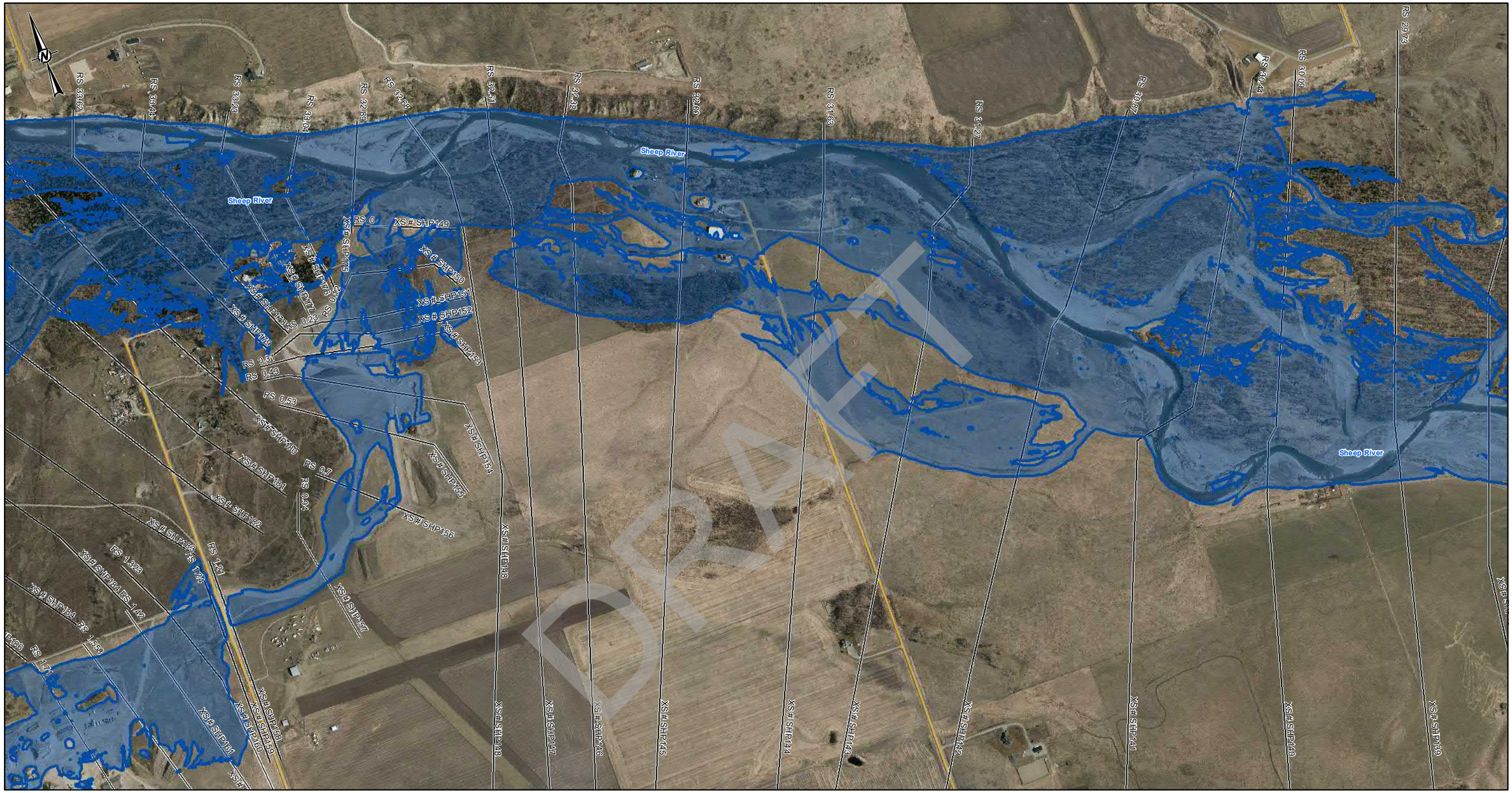

Threepoint Creek
Sheep River
Sheep River
Sheep River

SHEET 8 ↑

SHEET 10 ↑



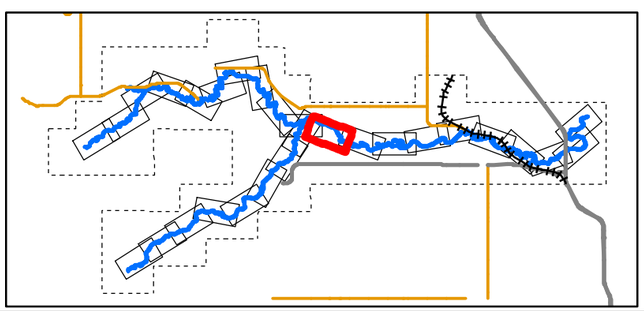
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 701 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 9 of 28

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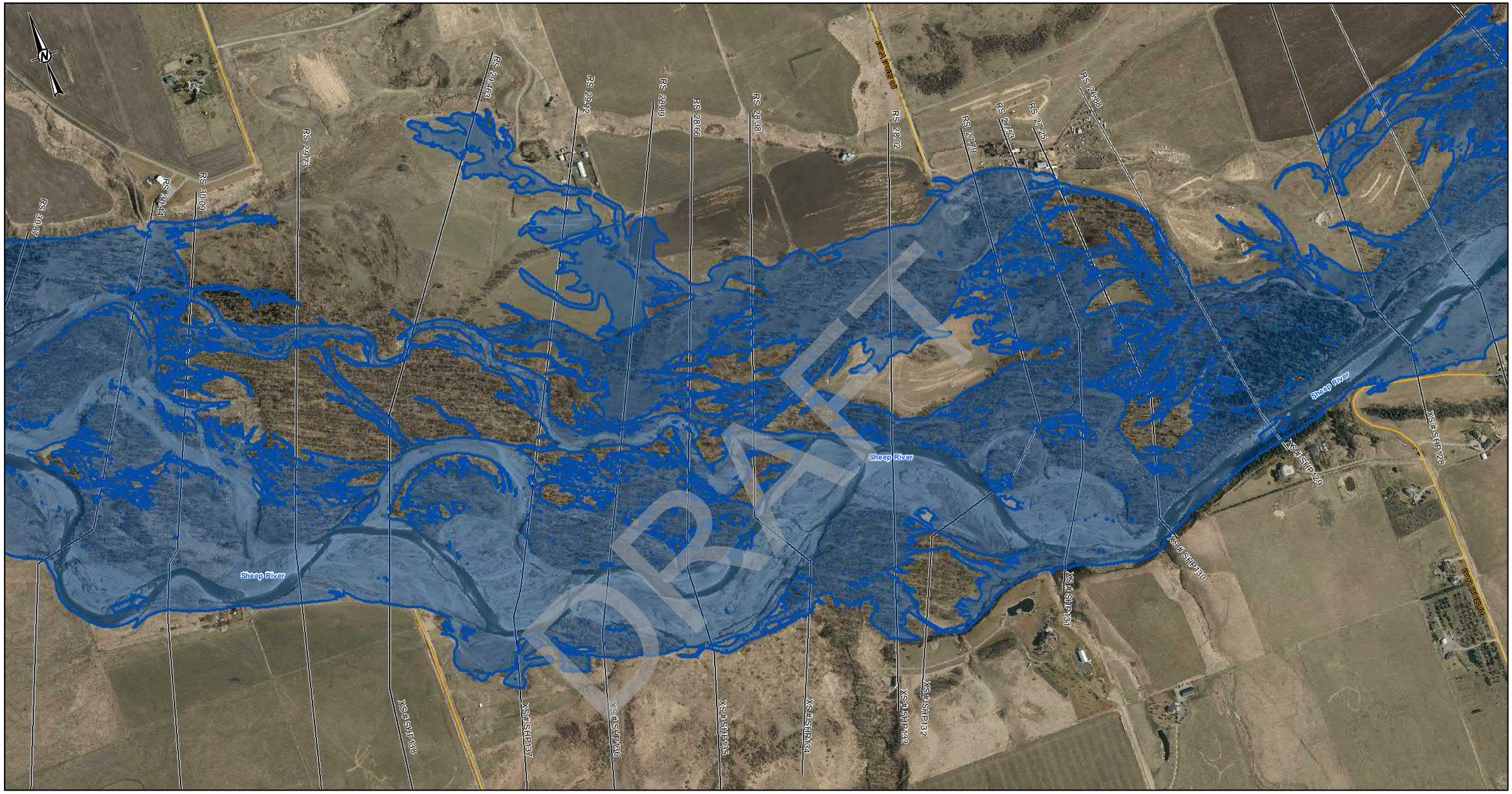
Classification: Public

SHEET 9 ↑

SHEET 11 ↑



LEGEND

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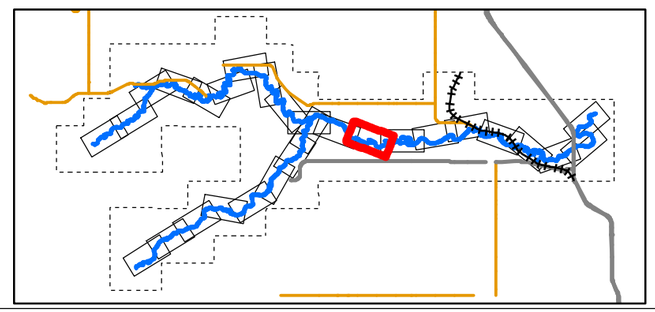

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 10 of 28

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0 25mm

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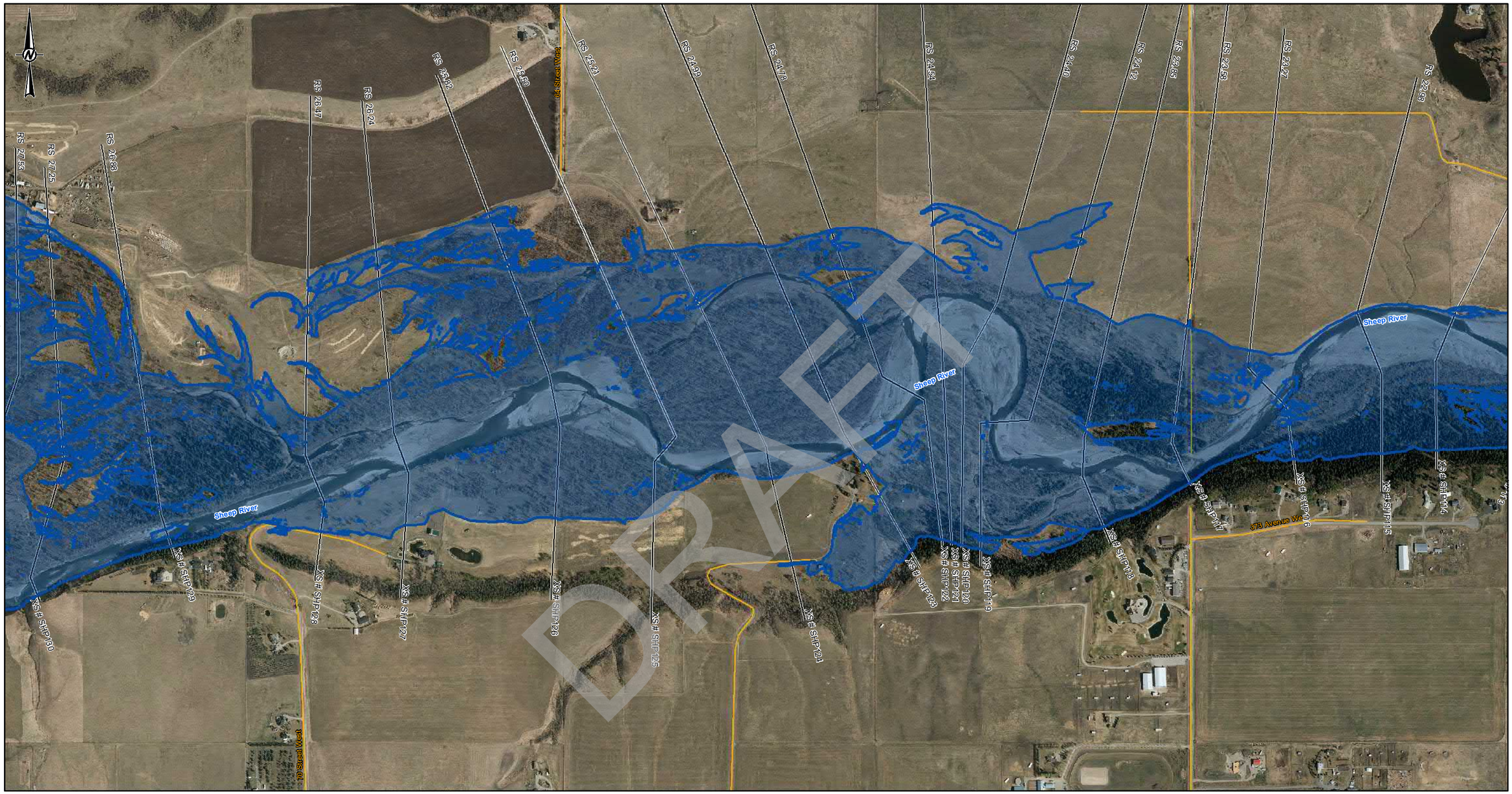
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



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LEGEND

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- XS#110 CROSS SECTION NUMBER
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20-YEAR FLOOD INUNDATION EXTENT

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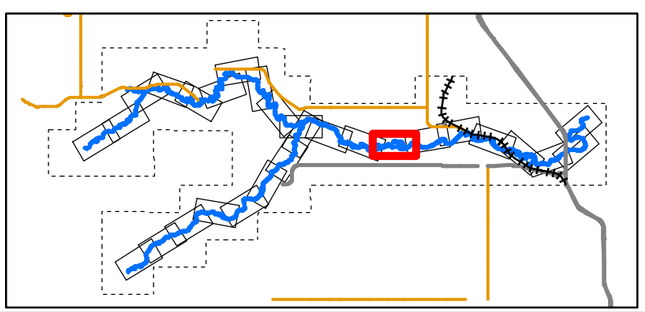

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TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 11 of 28

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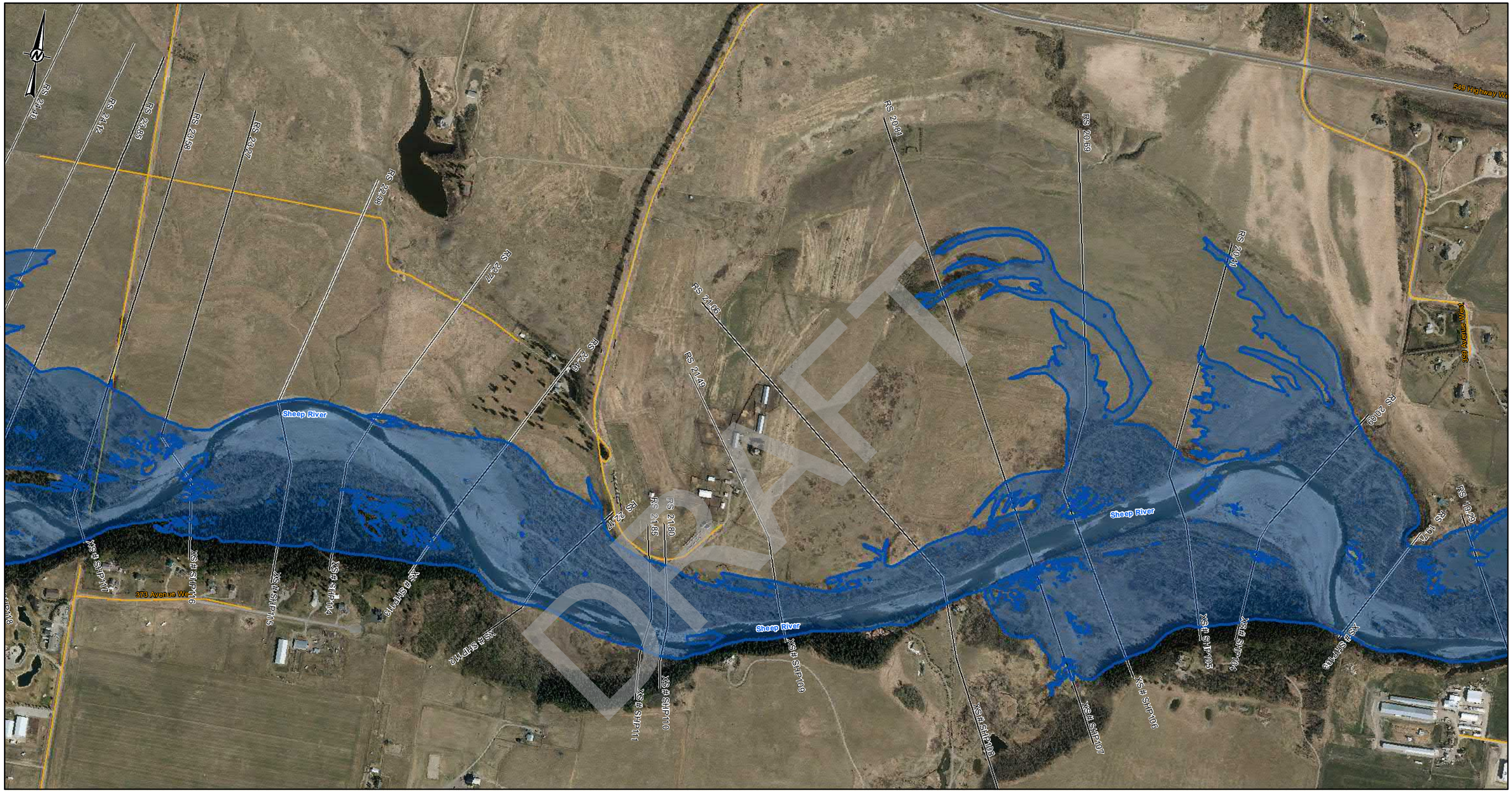
Classification: Public

SHEET 11 ↑

SHEET 13 ↑



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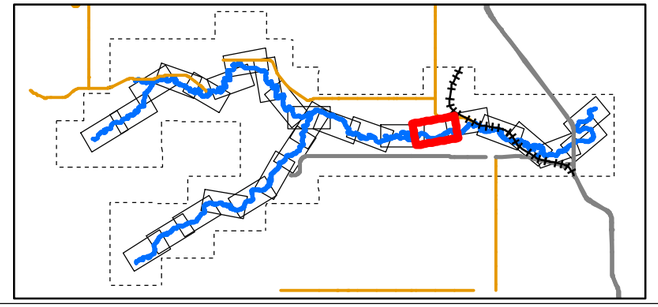
DISCHARGE
SHEEP RIVER= 701 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 12 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 2cm

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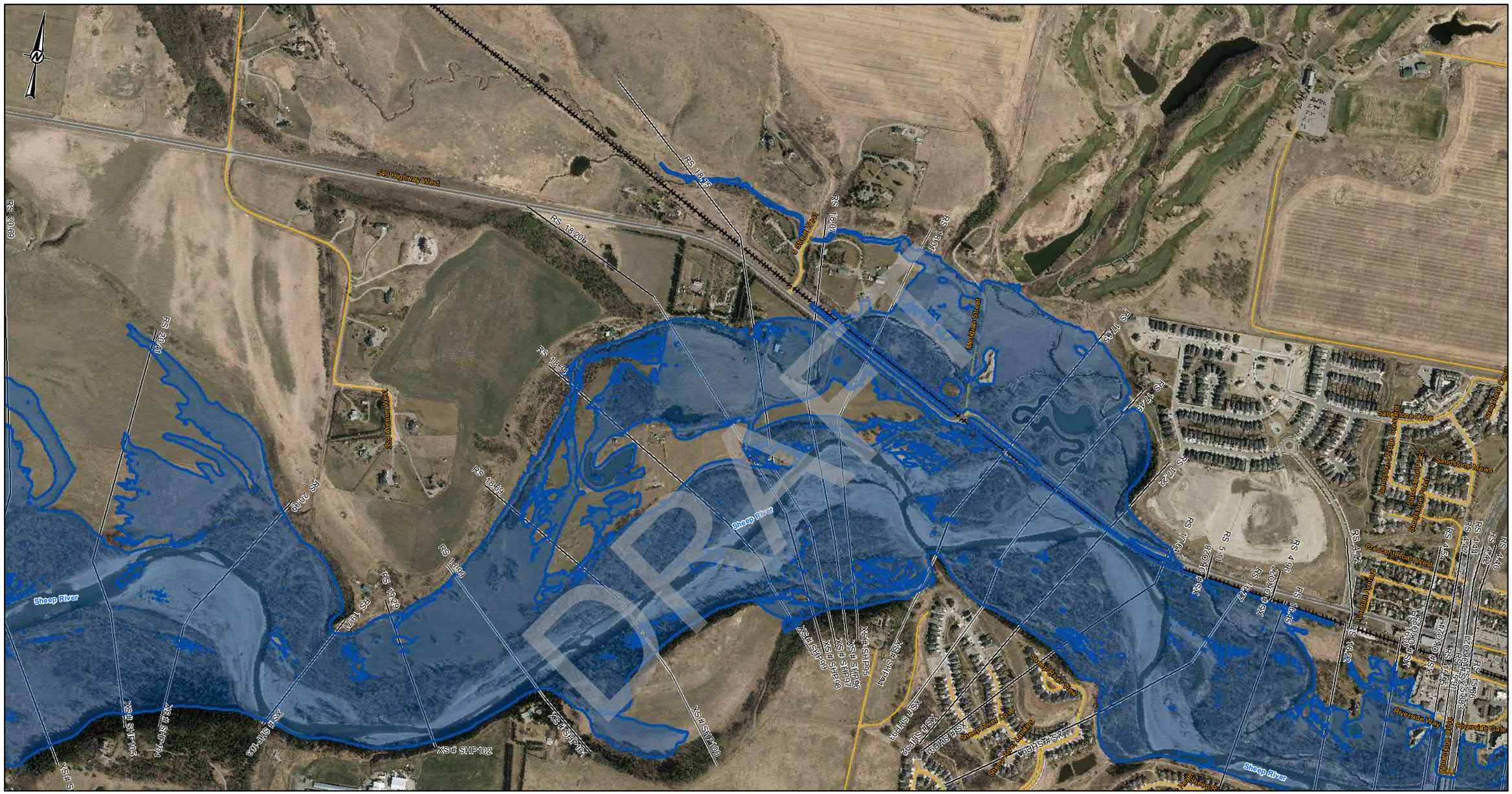
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



DRAFT

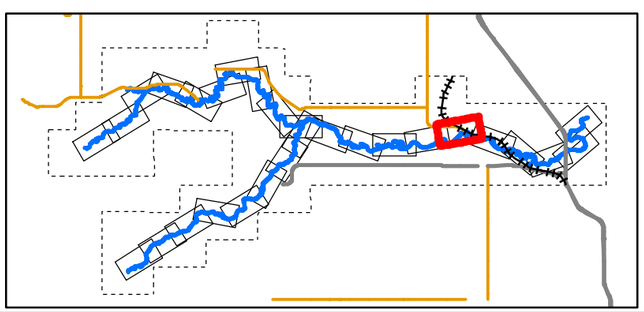
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 701 m^3/s



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PROJECT
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TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 13 of 28

Classification: Public

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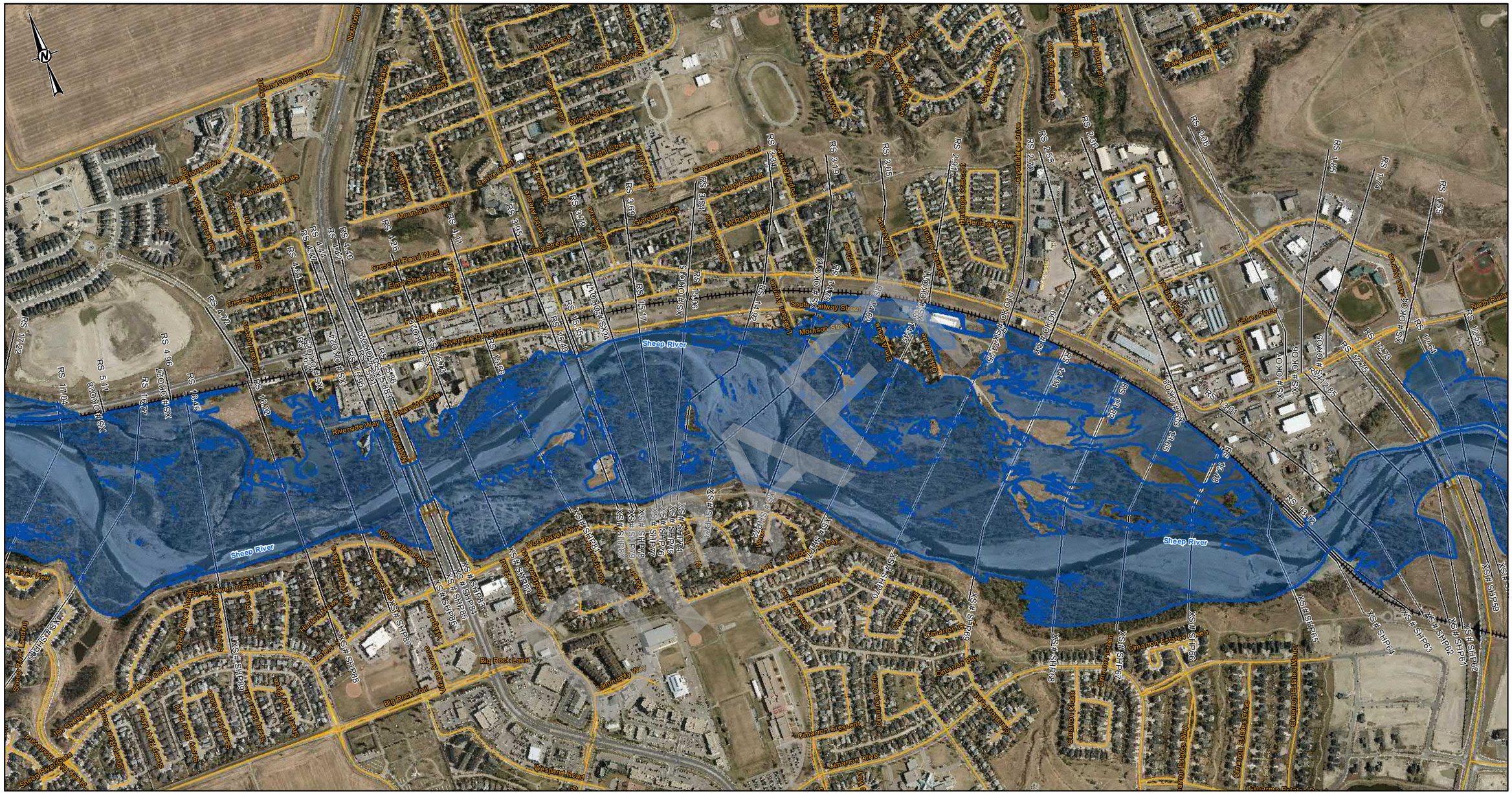
0 2cm

\\ygydata\1projects\WATERPOWER\12345\SPECIALIST_APPS\WEP_SHEEP_RIVER_FHS_20210\OUTBOX\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

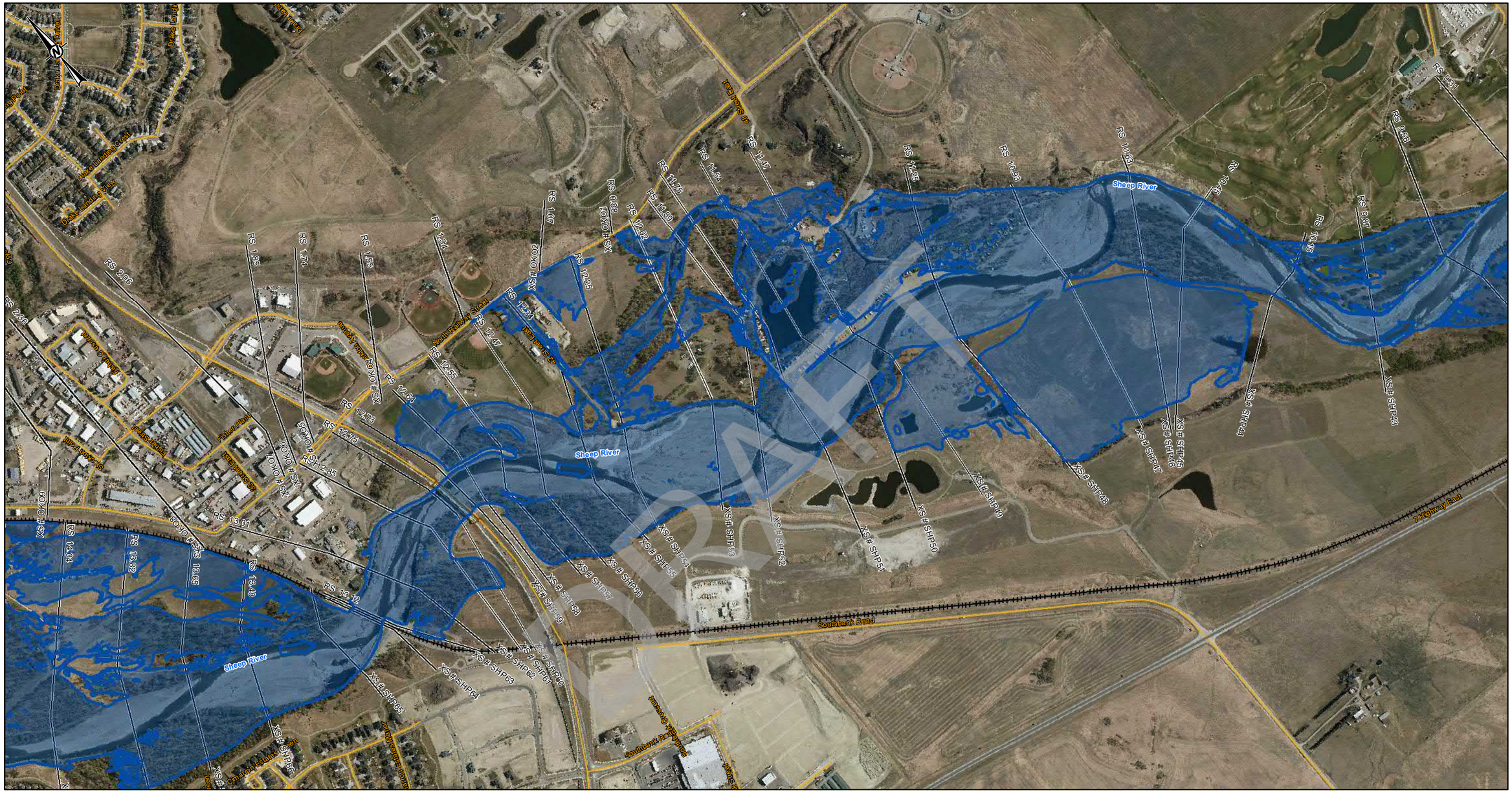
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Riverside Way
Riverside Gate
Riverside Place
Riverside Drive
Riverside Close
Riverside Crescent
Riverside Green
Riverside Park
Riverside Park Gate
Riverside Park Trail
Riverside Park Trail
Riverside Park Trail

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Southbank Road
7 Highway East
Southbank Pathway
Sheep River Trail
Sheep River Trail
Sheep River Trail

SHEET 15 ↑

SHEET 17 ↑

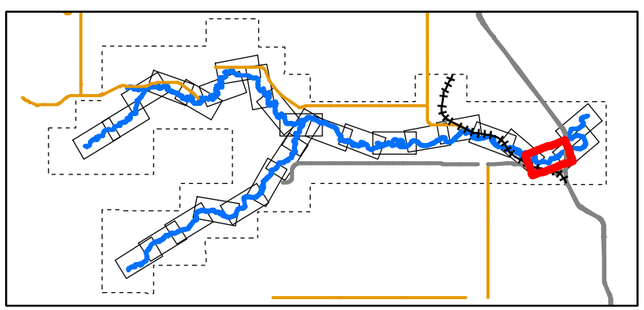
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 730 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 16 of 28

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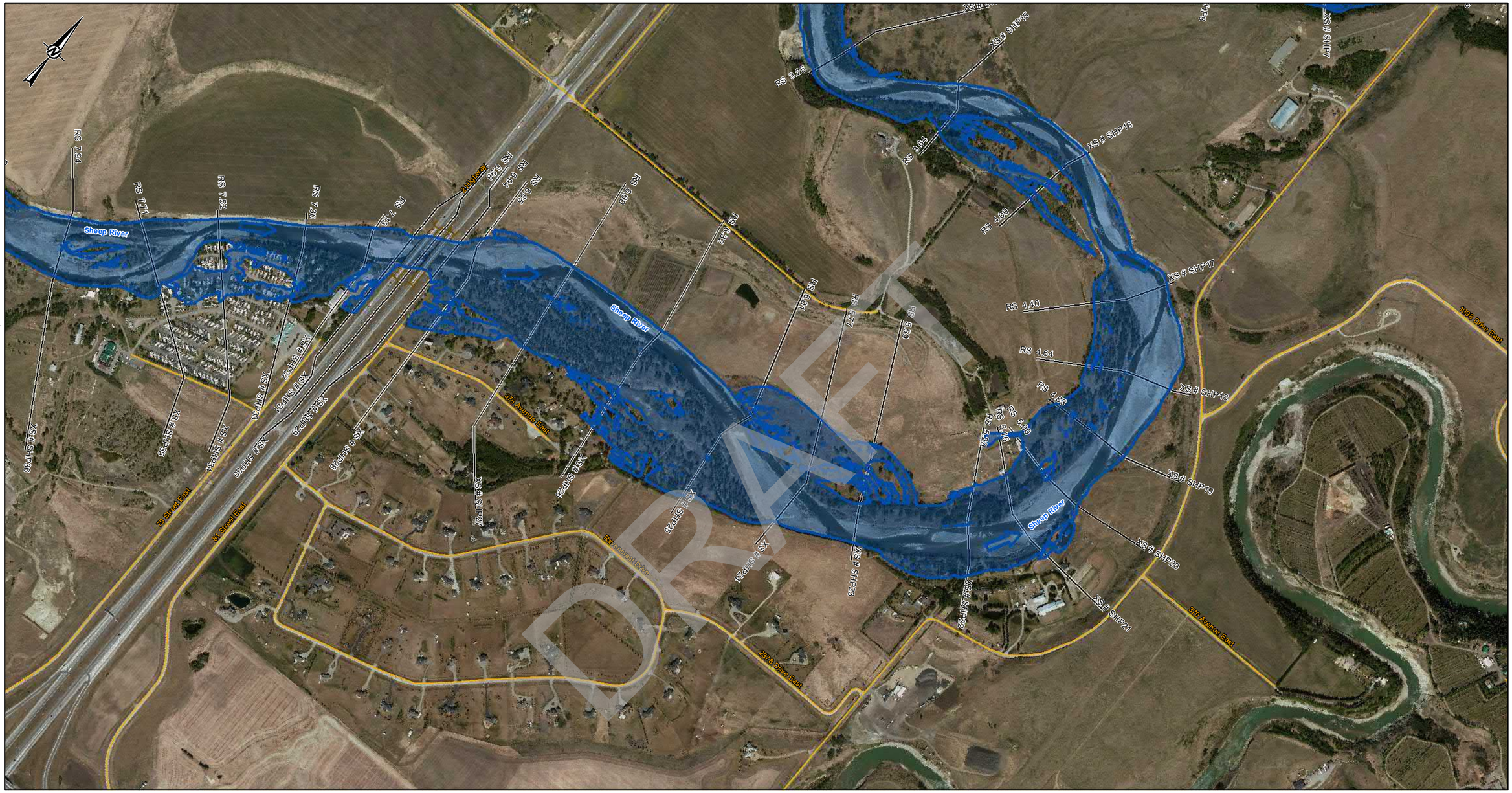
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



DRAFT

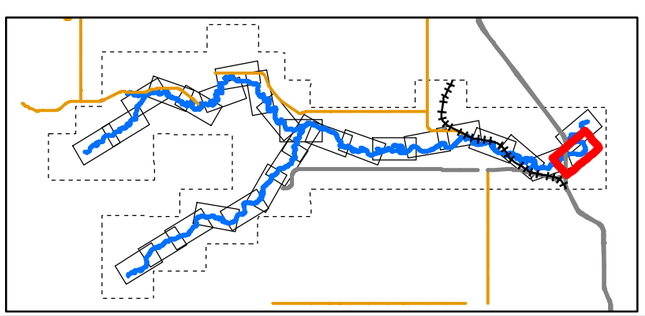
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 730 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 17 of 28

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0 20mm

Classification: Public

LEGEND

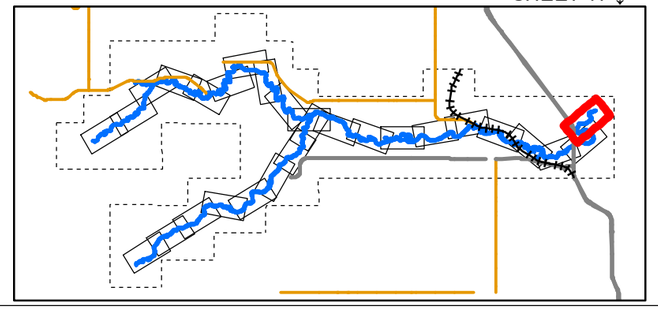
- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 730 m^3/s

SHEET 17 ↓



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 18 of 28

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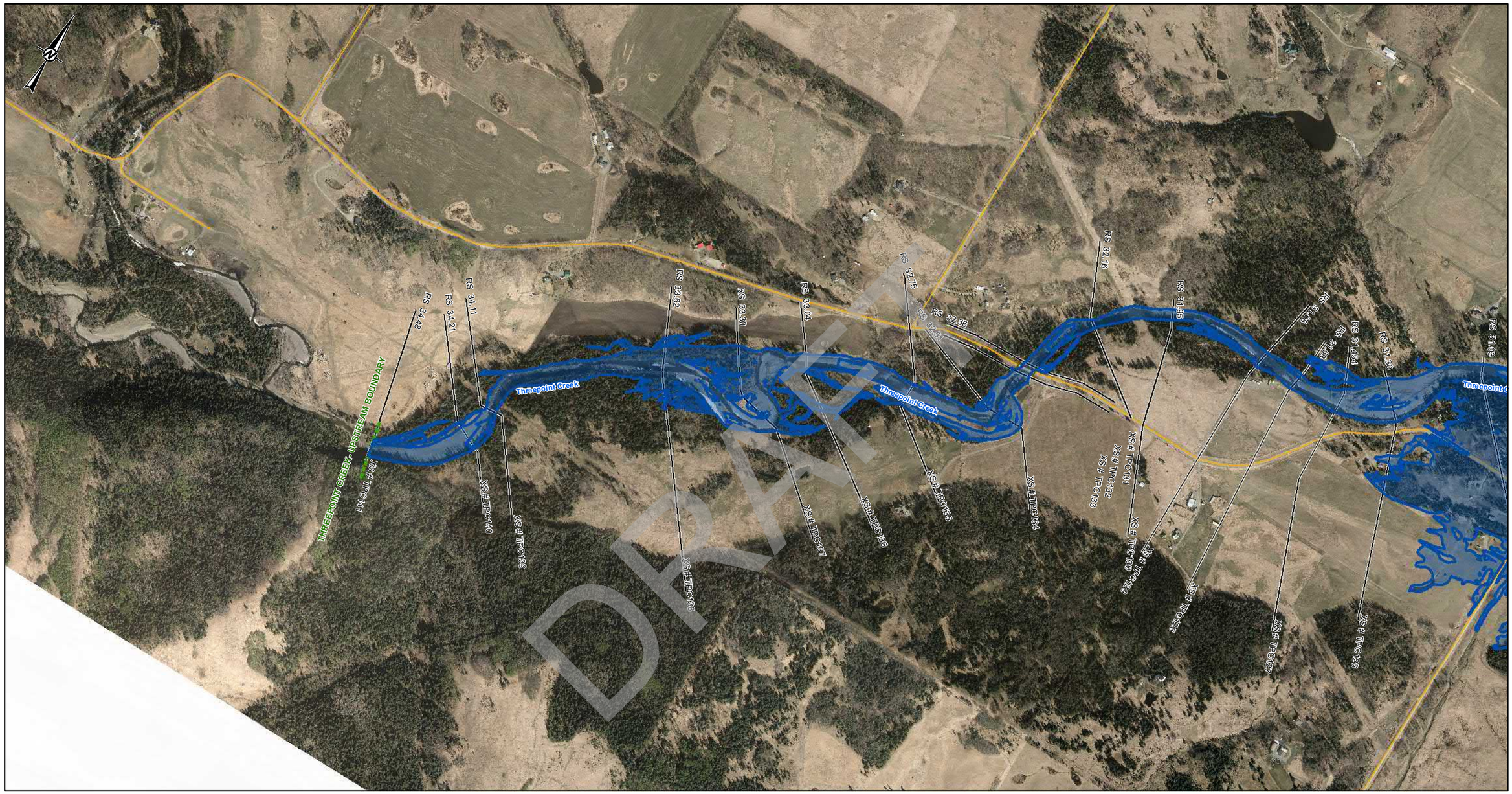
0 25mm

Classification: Public



SHEET 20 ↑

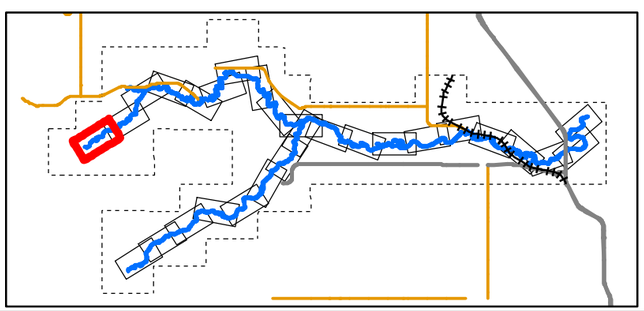
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 125.3 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 19 of 28

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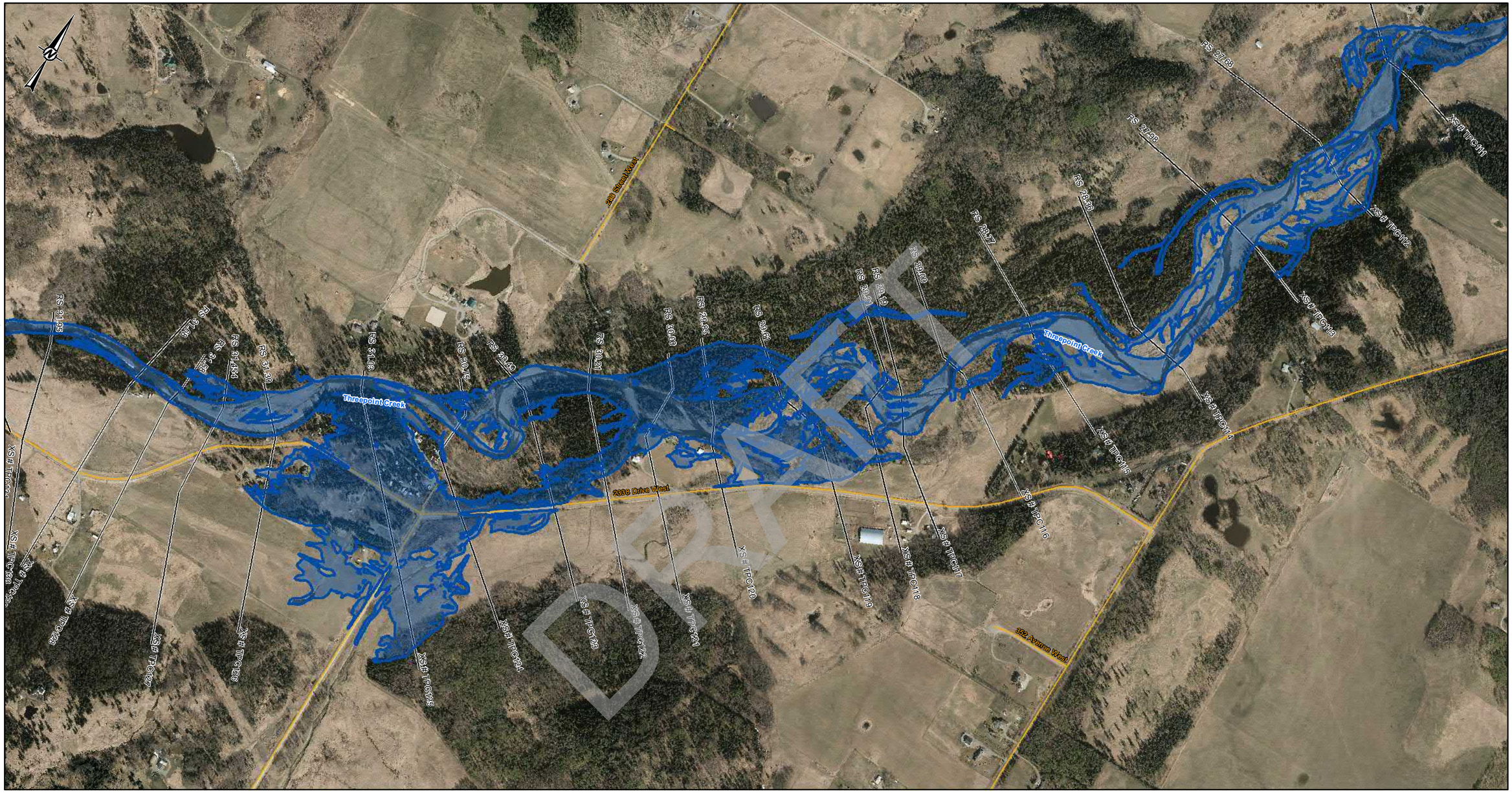
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



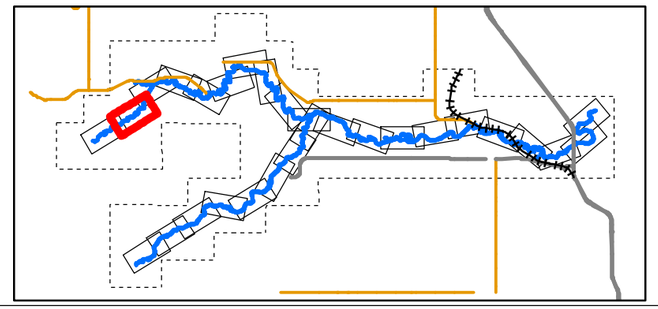
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 125.3 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 20 of 28

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

0 25mm

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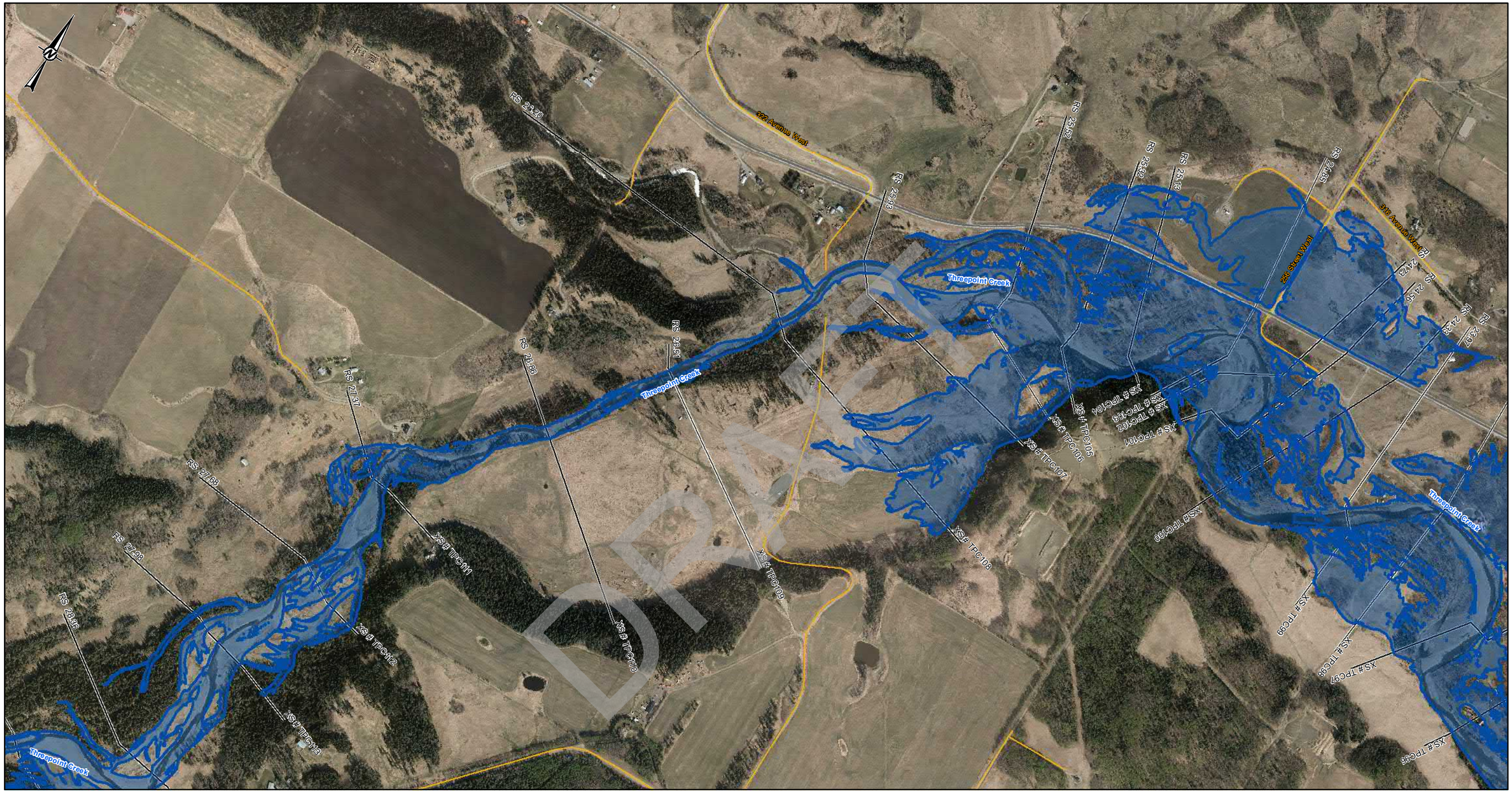
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



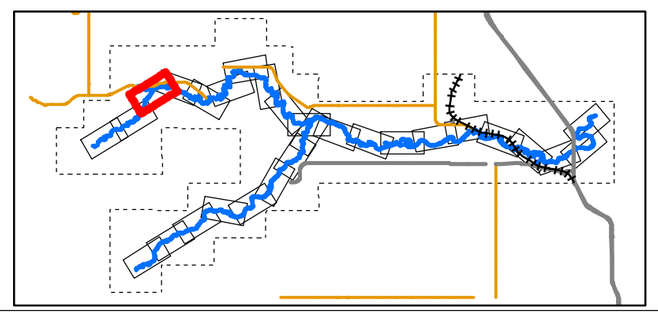
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 125.3 m^3/s
THREEPOINT CREEK= 235 m^3/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 21 of 28

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25mm
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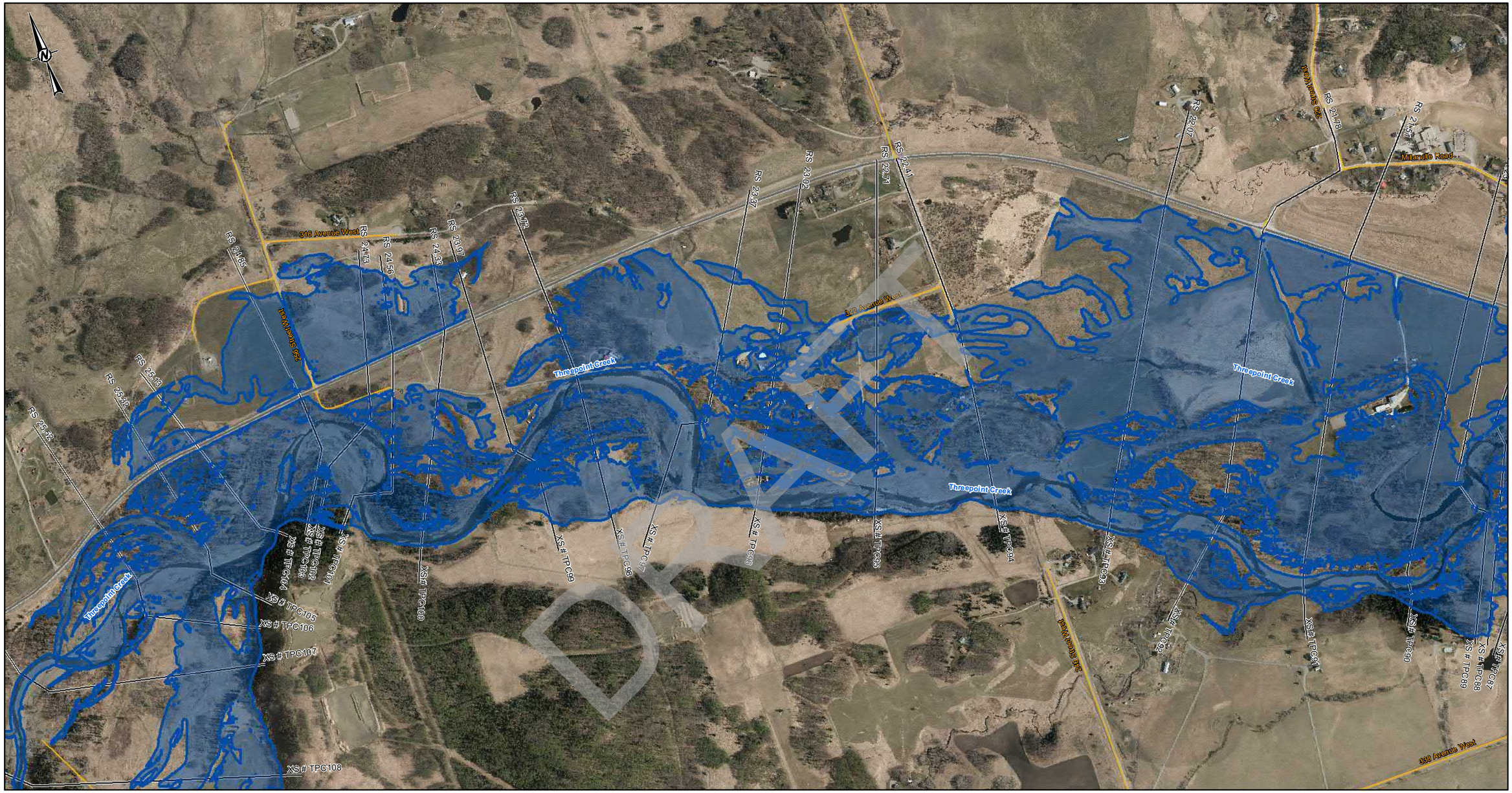
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



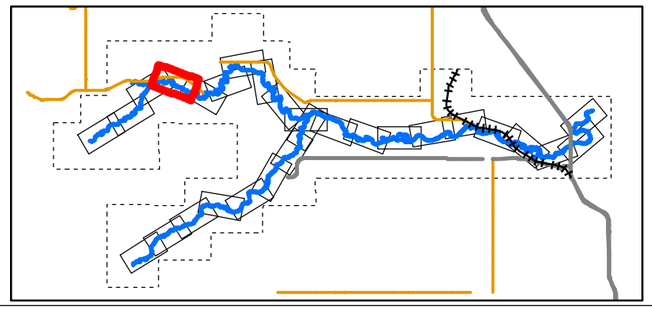
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 235 m^3/s



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TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 22 of 28

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25mm

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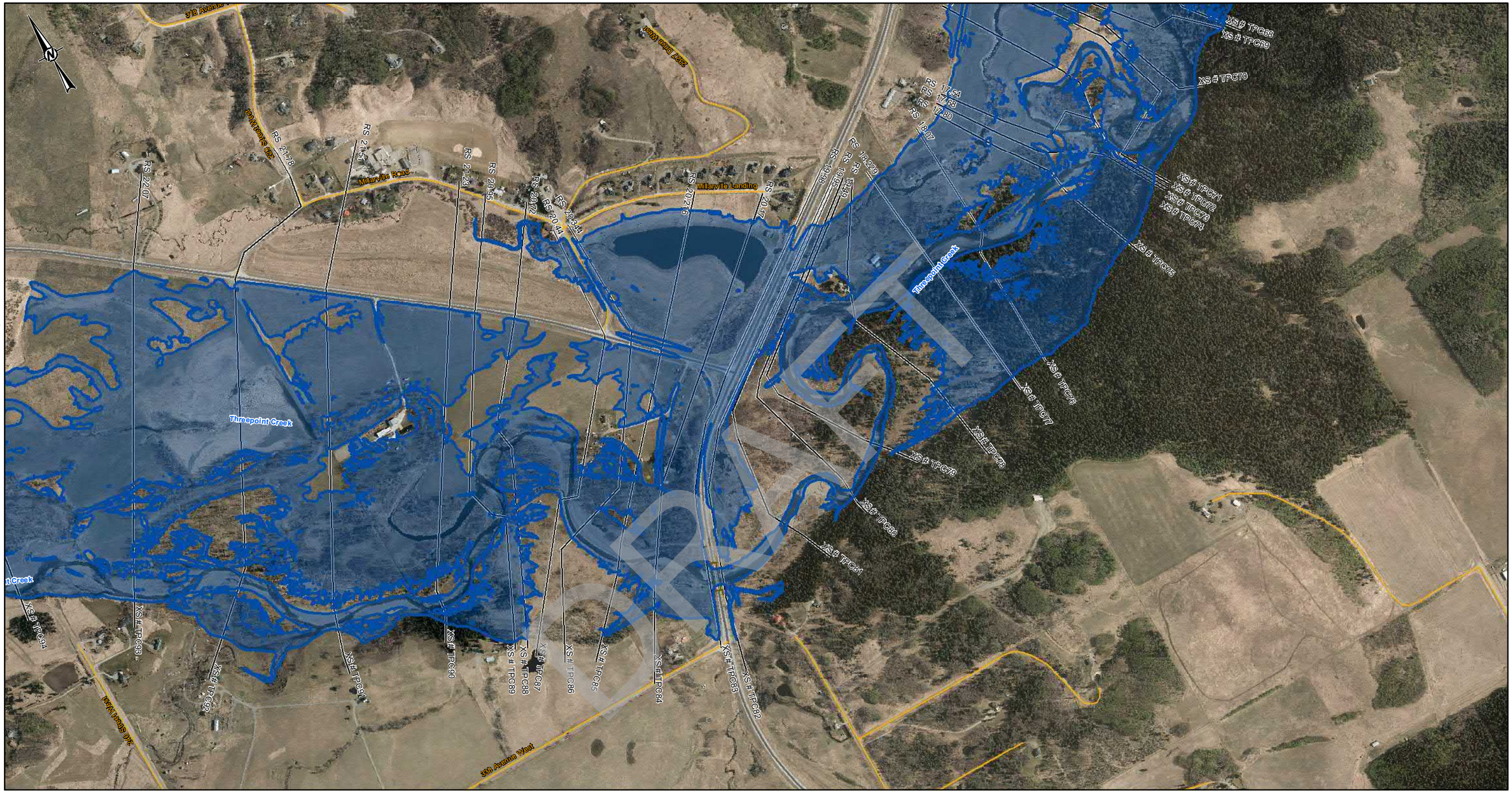
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
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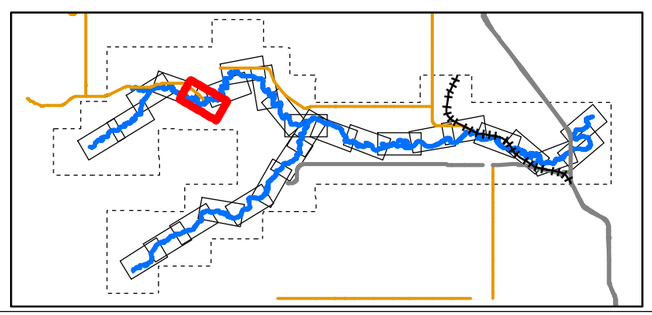
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 235 m^3/s



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TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 23 of 28

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

0 25mm

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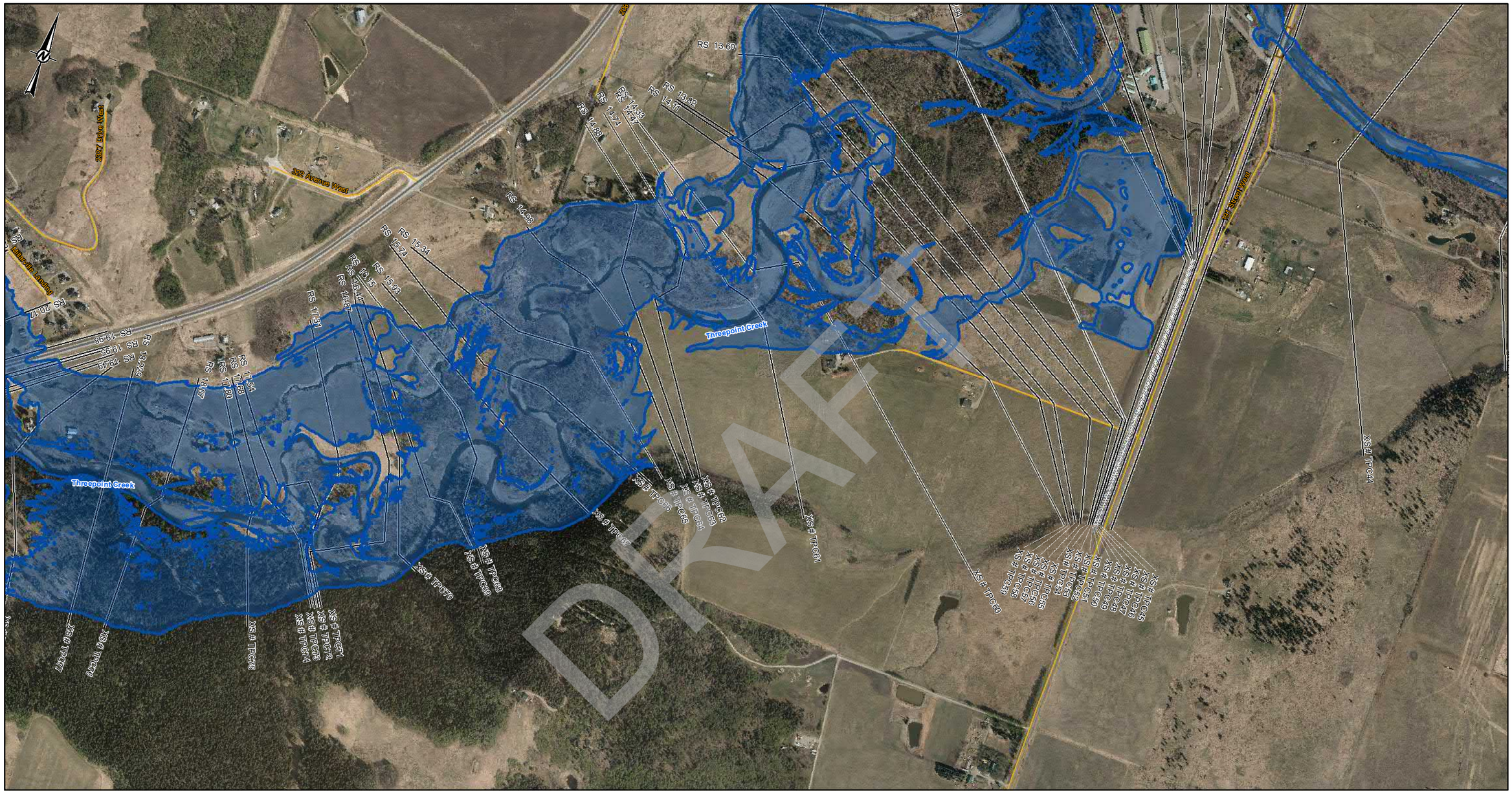
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



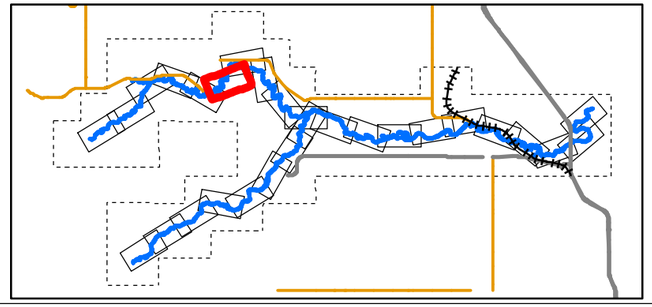
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 235 m^3/s
THREEPOINT CREEK= 290 m^3 (DS- RS 14.98)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 24 of 28

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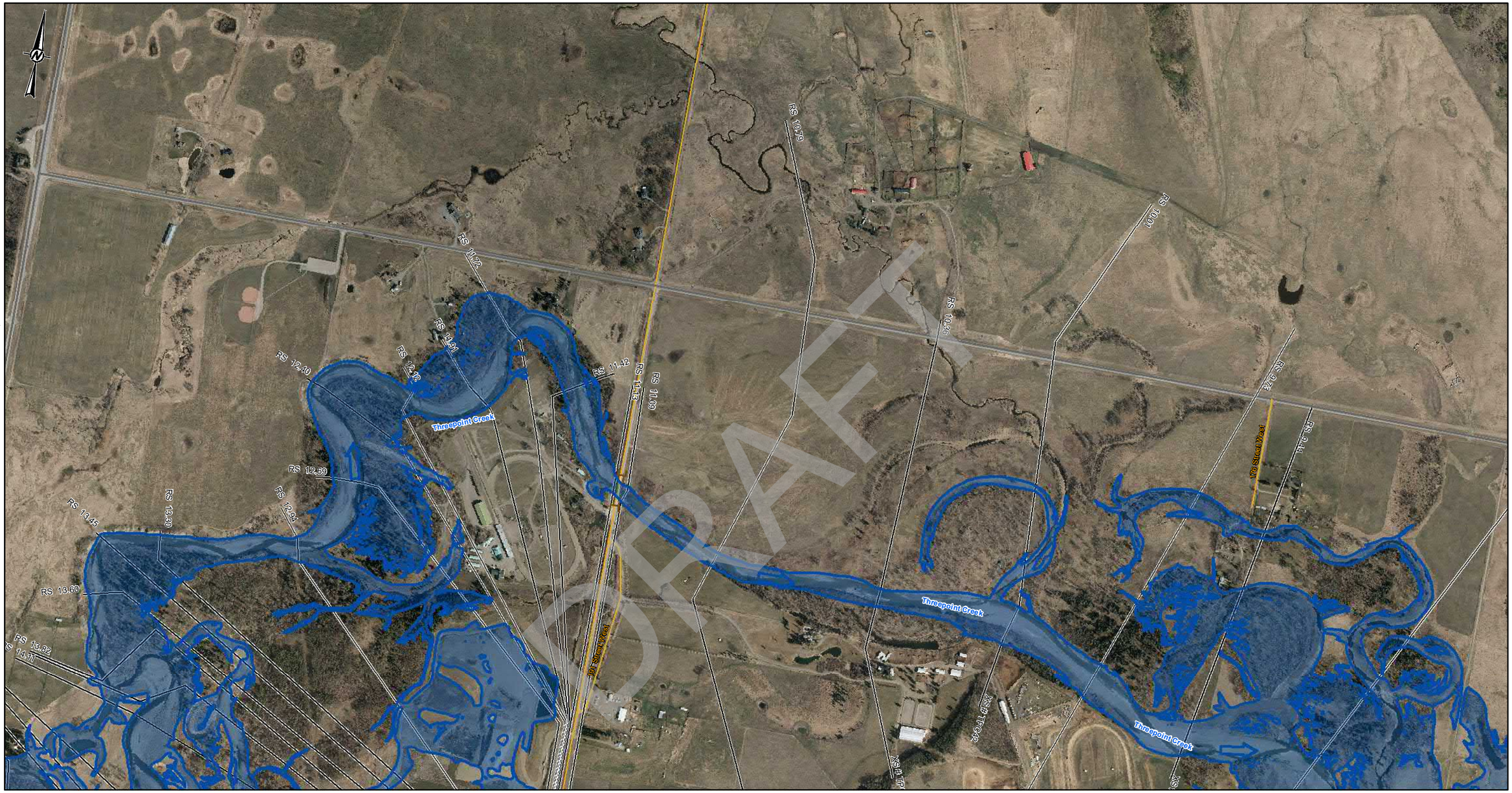
Classification: Public

SHEET 24 ↑



SHEET 26 ↓

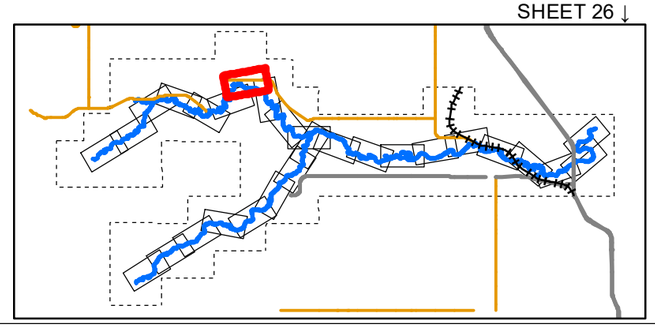
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 290 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 25 of 28

DRAFT

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
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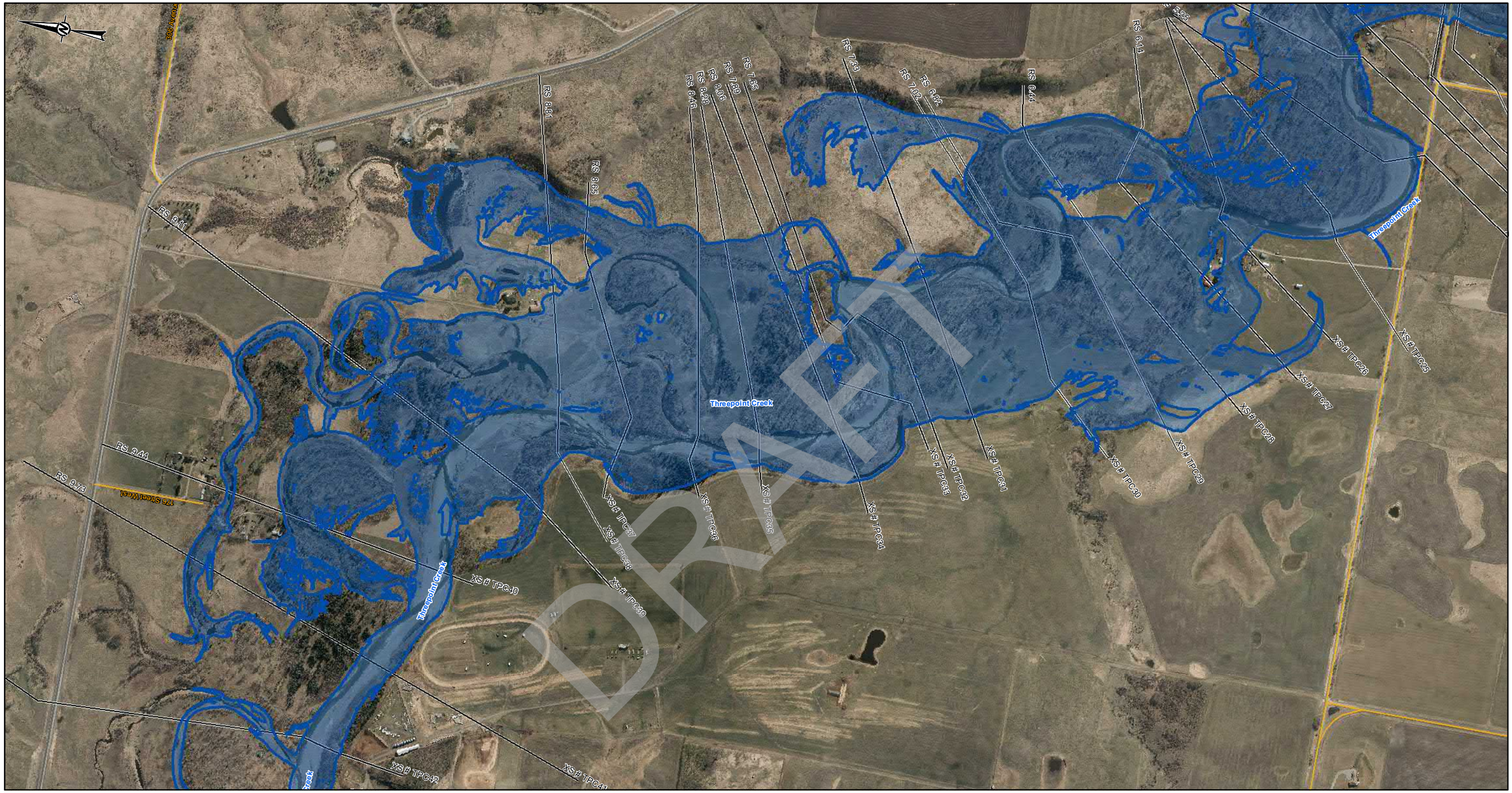
SHEET 25 ↑

SHEET 27 ↑



DRAFT

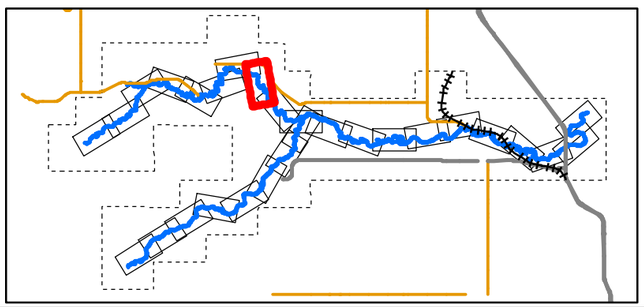
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

<UND>DISCHARGE</UND>
THREEPOINT CREEK= 290 m³</sup>



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 26 of 28

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

0 25mm

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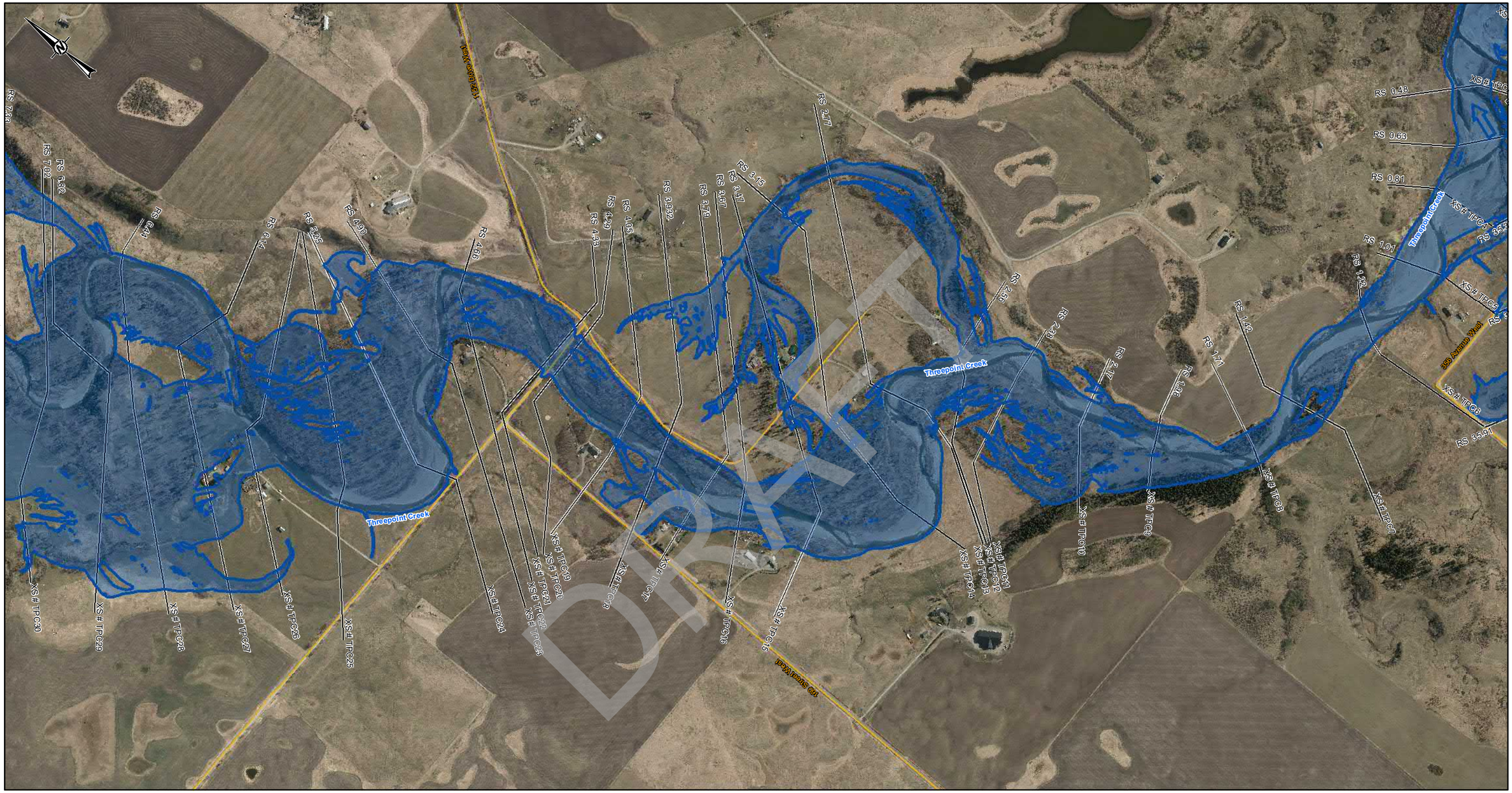
Classification: Public

SHEET 26 ↑

SHEET 28 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
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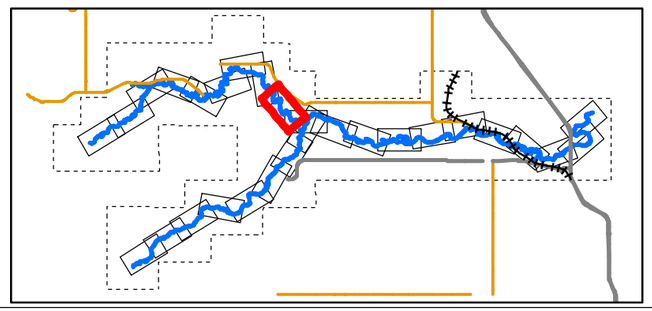
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

<UND>DISCHARGE</UND>
THREEPOINT CREEK= 290 m³/sup



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 27 of 28

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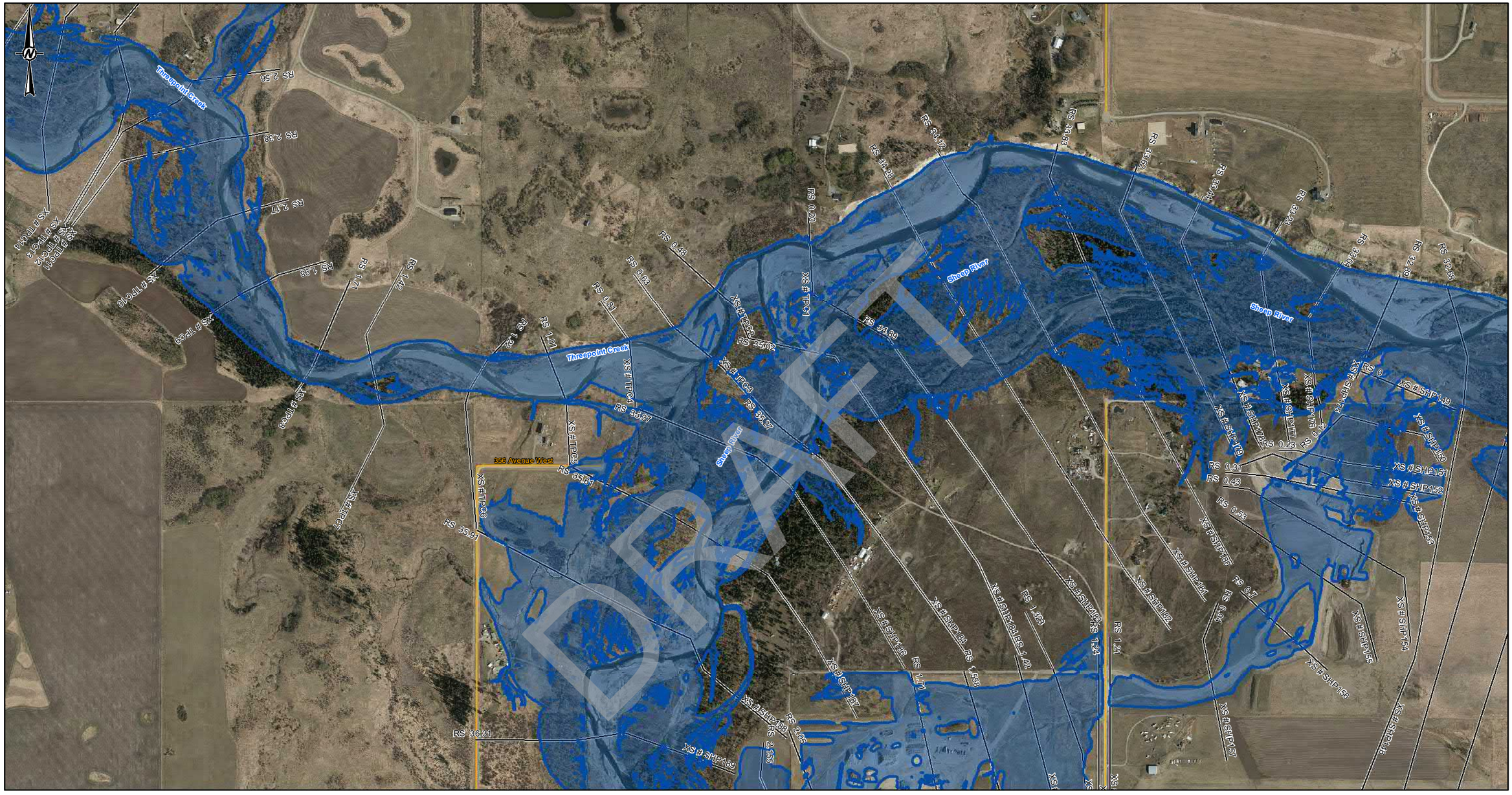
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



DRAFT

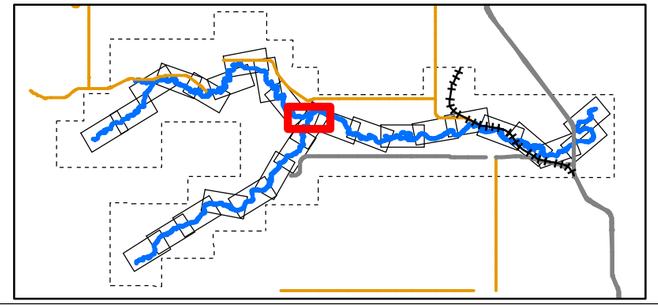
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

20-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 290 m ^{3}/s
SHEEP RIVER= 361 m^3/s
SHEEP RIVER= 651 m ^{3}/s (DS- RS 34.28)



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
20- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0004-3333	0	Sheet 28 of 28

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0 25mm

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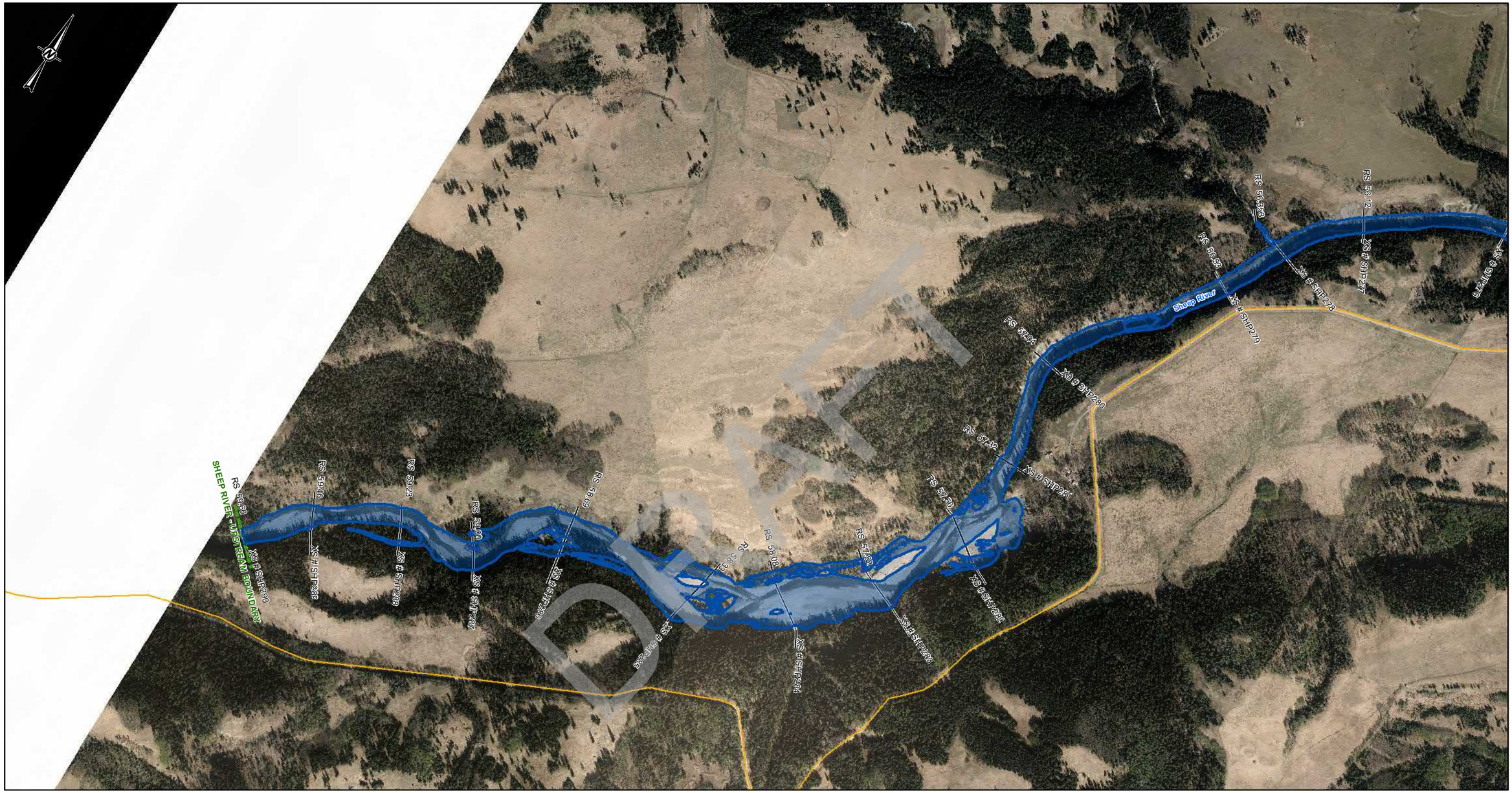
Classification: Public

35-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

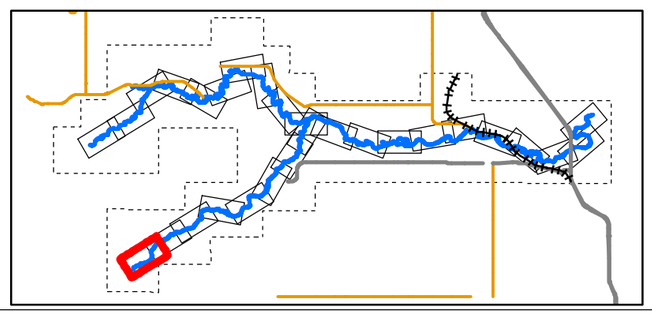
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 484 m^3/s



0 50 100 200 300 400
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HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 1 of 28

DRAFT

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0 25mm

Classification: Public

SHEET 1 ↑

SHEET 3 ↑

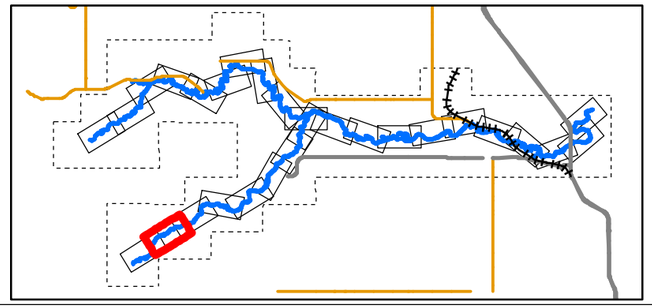
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 484 m^3/s



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 2 of 28

C:\cgvdata\Projects\WATERPOWER\228616\PSI\CIVIL\ST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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25mm

0

Classification: Public

SHEET 2 ↑

SHEET 4 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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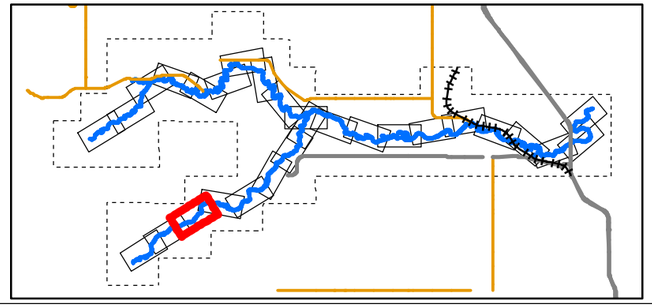
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 484 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 3 of 28

DRAFT

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Classification: Public

SHEET 3 ↑

SHEET 5 ↑

Sheep River
424 Avenue West
434 Avenue West
16 Avenue South-west
Kennedy Drive South-east
Sunset Boulevard West
Rowley Close South-west
Raymond Close South-west
Evelyn Wood Avenue South-west
Sunrise Way South-west
Sunrise Close South-west
Turner Drive South-west
Oakes Road South-west
Oakes Place South-west
Oakes Landing
Bailey Ridge Place South-west
Bailey Ridge Crescent South-west
Bailey Ridge Close South-west
Bailey Ridge Boulevard South-west
Blackfoot Way
Wingfield Drive West
Wingfield Springs Way
Wingfield Springs Boulevard
Wingfield Springs Close
Wingfield Springs Place
Wingfield Springs Crescent
Wingfield Springs Drive West
Wingfield Springs Private Road
Wingfield Springs Private Road South
Wingfield Springs Private Road North
Wingfield Springs Private Road West
Wingfield Springs Private Road East
Wingfield Springs Private Road Loop
Wingfield Springs Private Road Cul-de-sac
Wingfield Springs Private Road Cul-de-sac West
Wingfield Springs Private Road Cul-de-sac East
Wingfield Springs Private Road Cul-de-sac North
Wingfield Springs Private Road Cul-de-sac South
Wingfield Springs Private Road Cul-de-sac Loop
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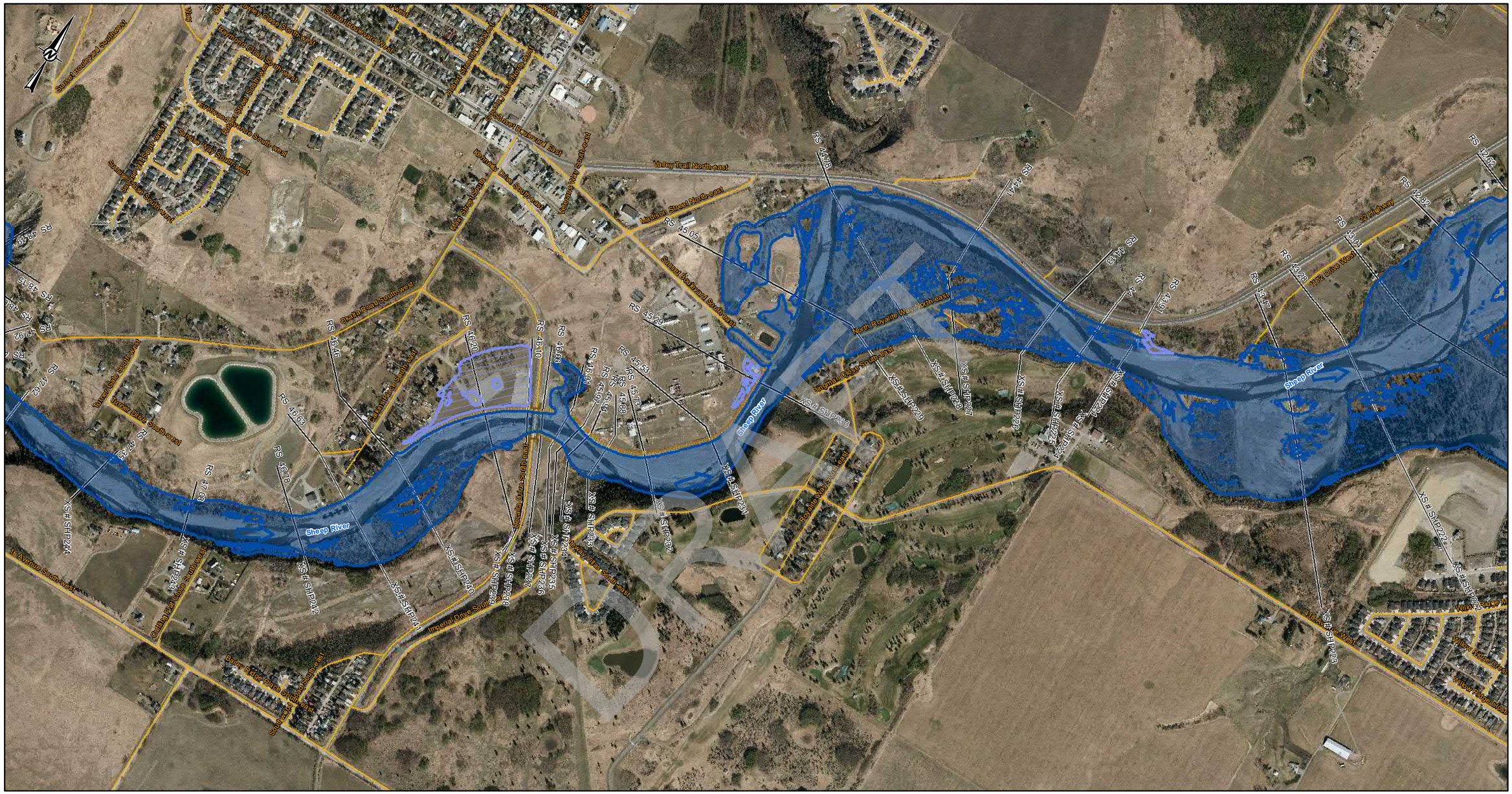
SHEET 4 ↑



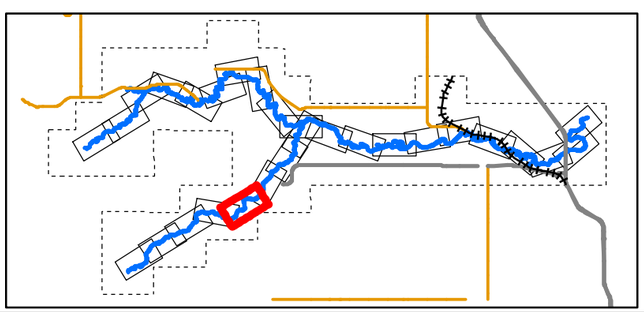
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 484 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 5 of 28

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

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Classification: Public

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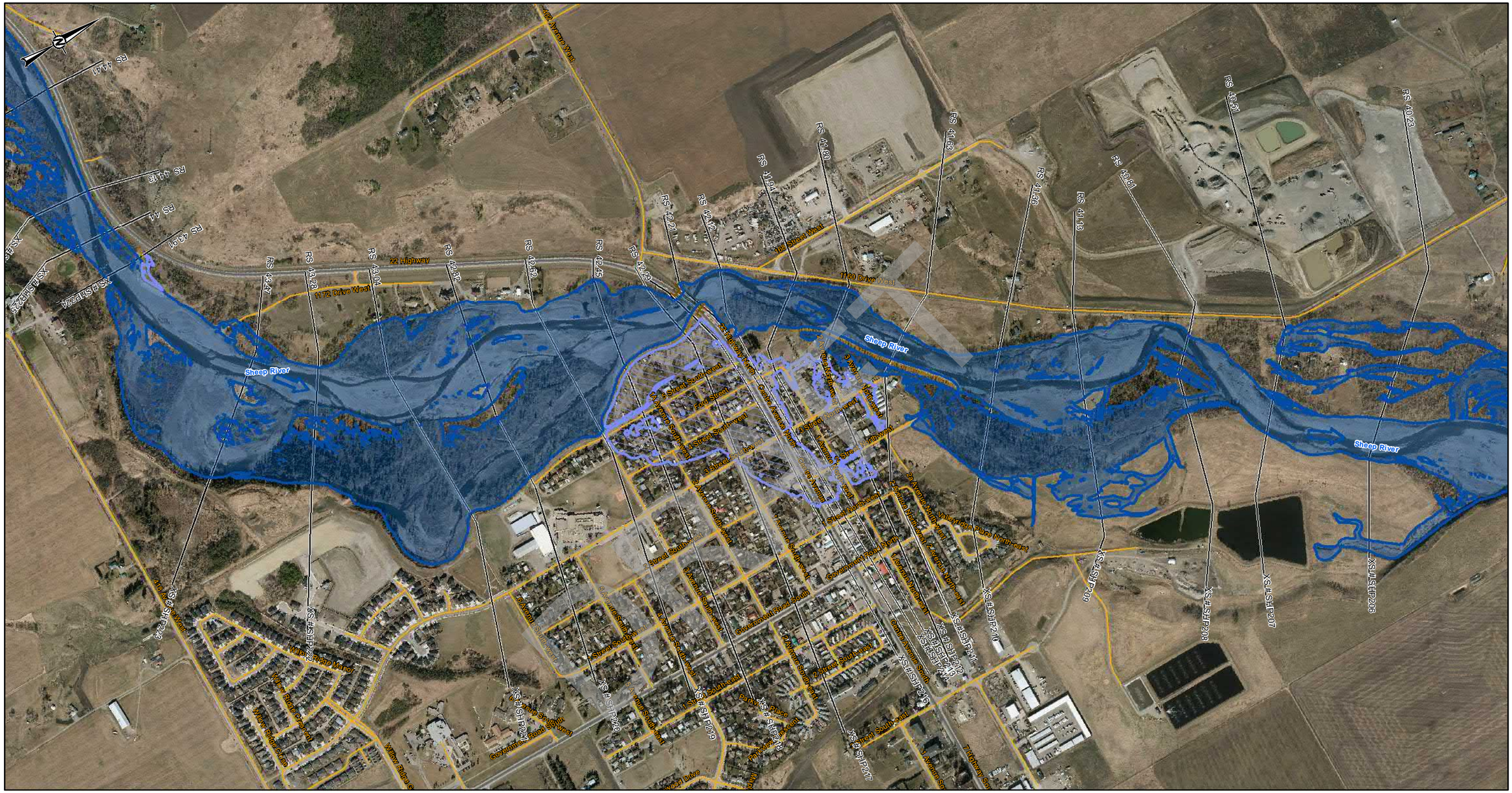
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RS 40.91
RS 40.51
RS 40.23
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1172 Drive West
1180 Drive West
182 Street West
Sheep River
Willow Ridge Crescent
Willow Ridge Close
Willow Ridge Road
Willow Ridge Drive
Willow Ridge Green
Willow Ridge Mews
Willow Ridge Vista
Willow Ridge Way
Willow Ridge Rise
Willow Ridge Point
Willow Ridge Boulevard
Willow Ridge Landing
Willow Ridge Manor
Willow Ridge Terrace
Willow Ridge Heights
Willow Ridge Hill
Willow Ridge Gate
Willow Ridge Circle
Willow Ridge Crescent
Willow Ridge Court
Willow Ridge Grove
Willow Ridge Park
Willow Ridge Pasture
Willow Ridge Pathway
Willow Ridge Passage
Willow Ridge Pointe
Willow Ridge Plaza
Willow Ridge Square
Willow Ridge Trail
Willow Ridge Walk
Willow Ridge Way
Willow Ridge Wood
Willow Ridge Yard
Willow Ridge Zone
Willow Ridge Alley
Willow Ridge Avenue
Willow Ridge Bay
Willow Ridge Bend
Willow Ridge Block
Willow Ridge Bluff
Willow Ridge Bridge
Willow Ridge Brook
Willow Ridge Canyon
Willow Ridge Cape
Willow Ridge Cliff
Willow Ridge Cove
Willow Ridge Creek
Willow Ridge Dale
Willow Ridge Dell
Willow Ridge Ditch
Willow Ridge Downs
Willow Ridge Estates
Willow Ridge Falls
Willow Ridge Ferry
Willow Ridge Field
Willow Ridge Flats
Willow Ridge Ford
Willow Ridge Forest
Willow Ridge Gardens
Willow Ridge Glade
Willow Ridge Glen
Willow Ridge Grange
Willow Ridge Grotto
Willow Ridge Harbour
Willow Ridge Haven
Willow Ridge Hollow
Willow Ridge Island
Willow Ridge Junction
Willow Ridge Lake
Willow Ridge Lane
Willow Ridge Lookout
Willow Ridge Manor
Willow Ridge Meadow
Willow Ridge Mill
Willow Ridge Moor
Willow Ridge Mountain
Willow Ridge Orchard
Willow Ridge Path
Willow Ridge Pines
Willow Ridge Plain
Willow Ridge Port
Willow Ridge Prairie
Willow Ridge Quay
Willow Ridge Ranch
Willow Ridge Rapids
Willow Ridge Reach
Willow Ridge Ridge
Willow Ridge River
Willow Ridge Run
Willow Ridge Shore
Willow Ridge Spring
Willow Ridge Stream
Willow Ridge Summit
Willow Ridge Terrace
Willow Ridge Valley
Willow Ridge View
Willow Ridge Vista
Willow Ridge Walk
Willow Ridge Wharf
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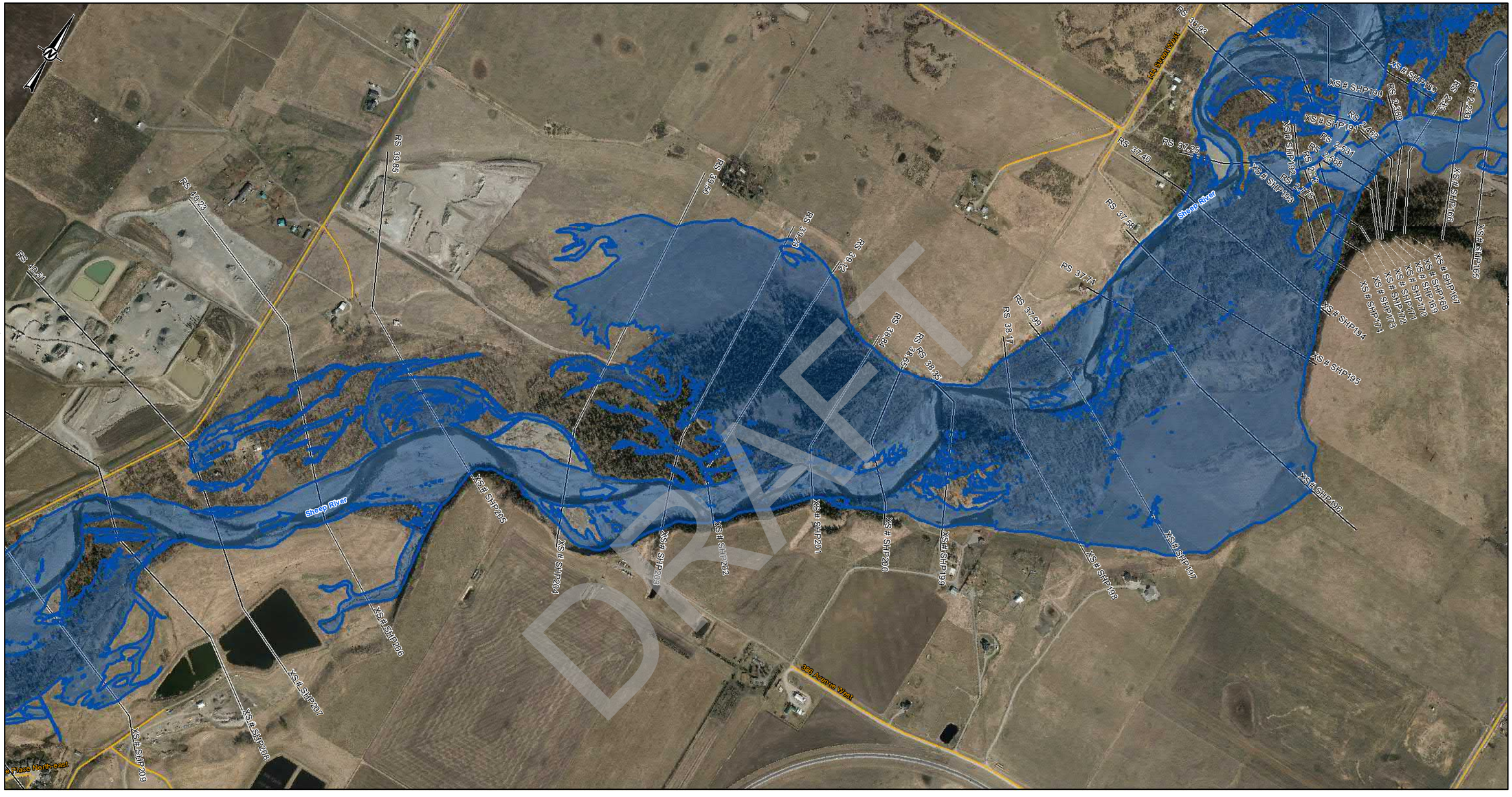
SHEET 8 ↑



DRAFT

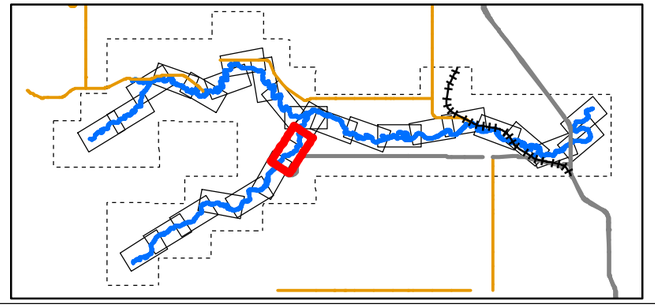
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 484 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 7 of 28

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Classification: Public

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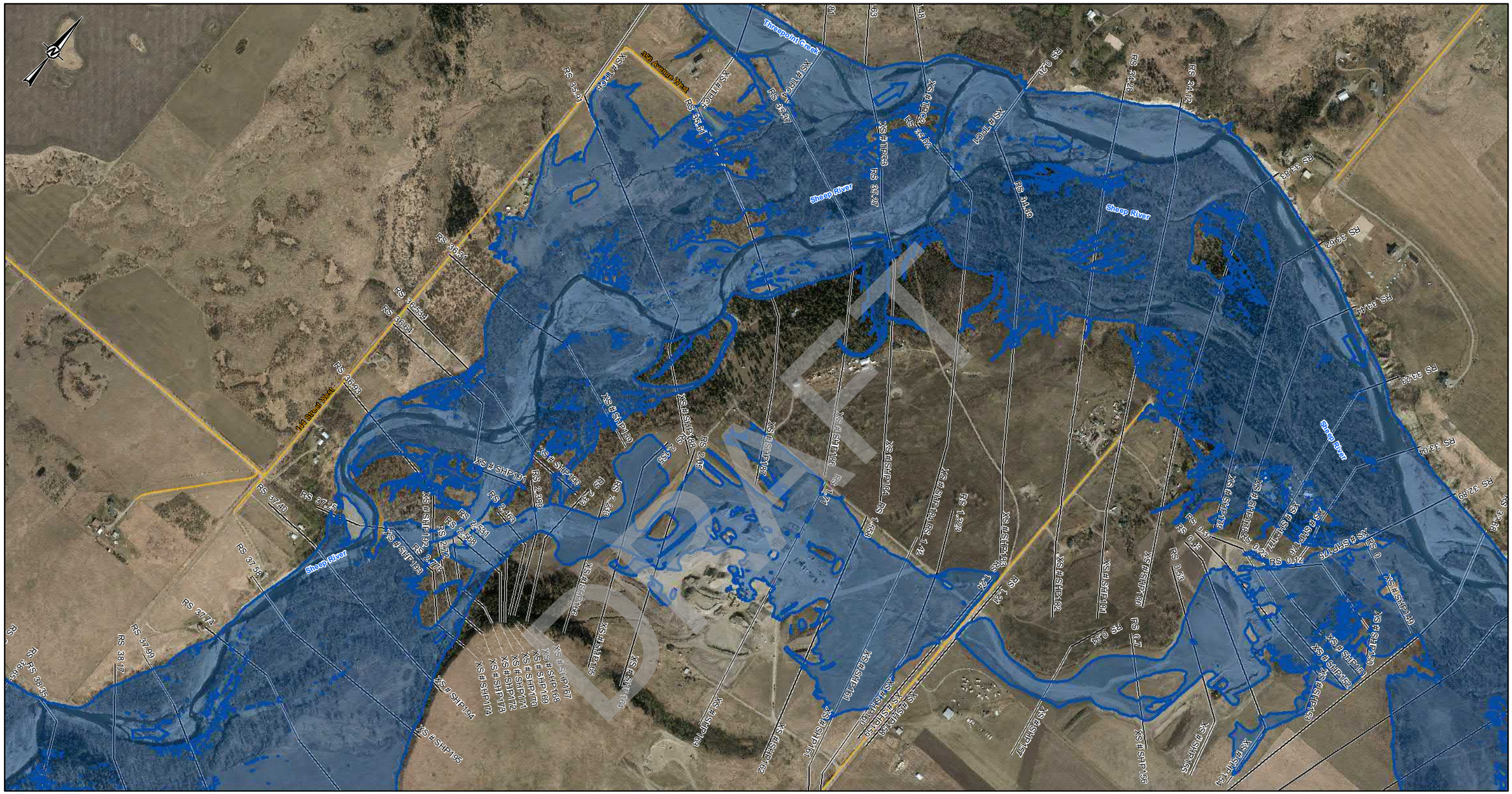

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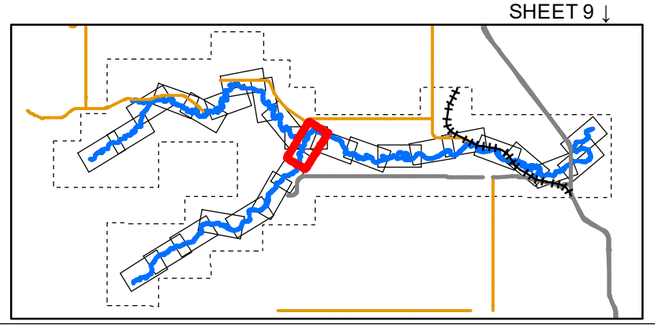

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 387 m ³/s
SHEEP RIVER= 484 m³/s
SHEEP RIVER= 871 m ³/s (DS- RS 34.28)

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1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 8 of 28

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DRAFT

Classification: Public

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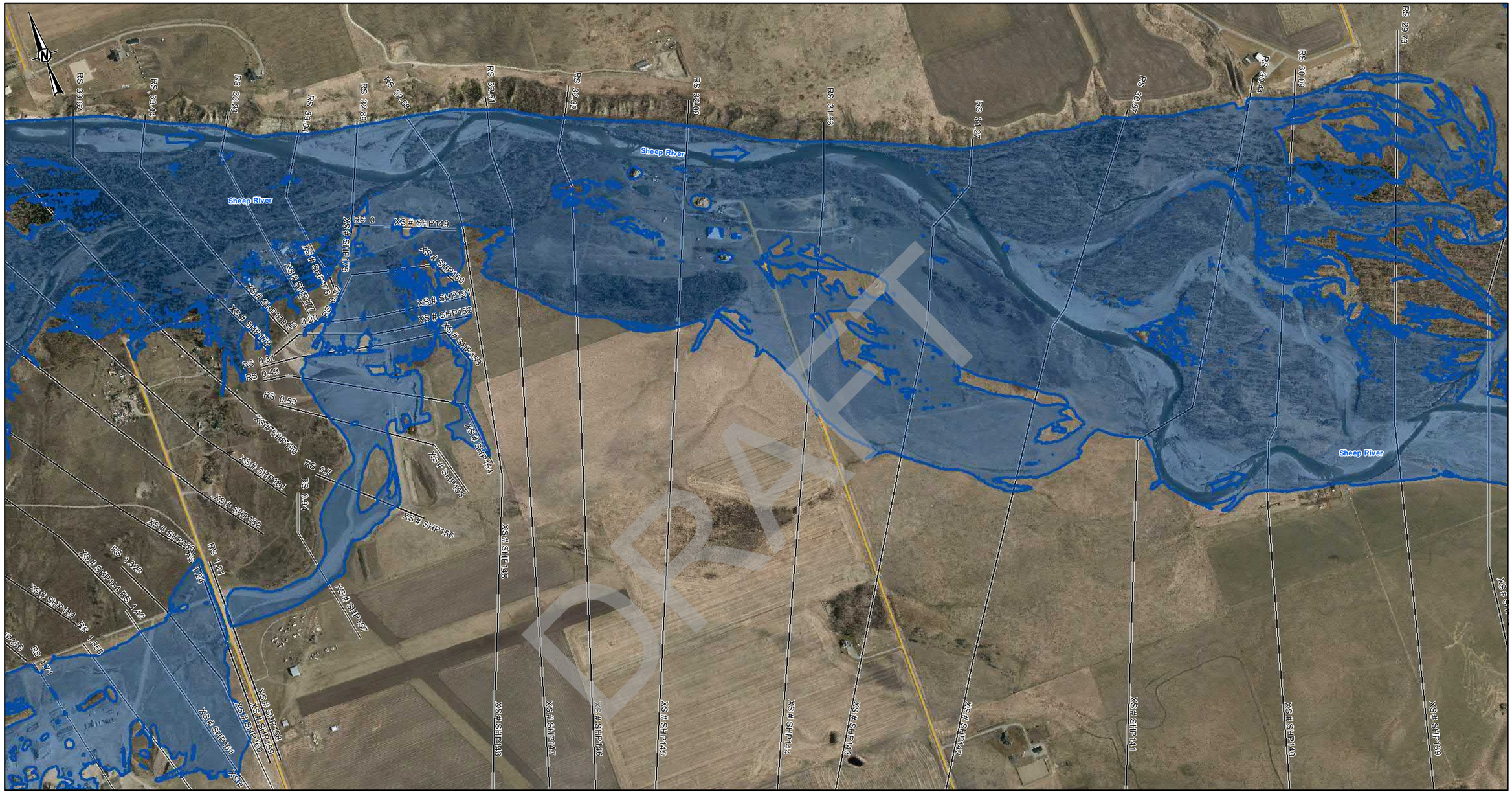

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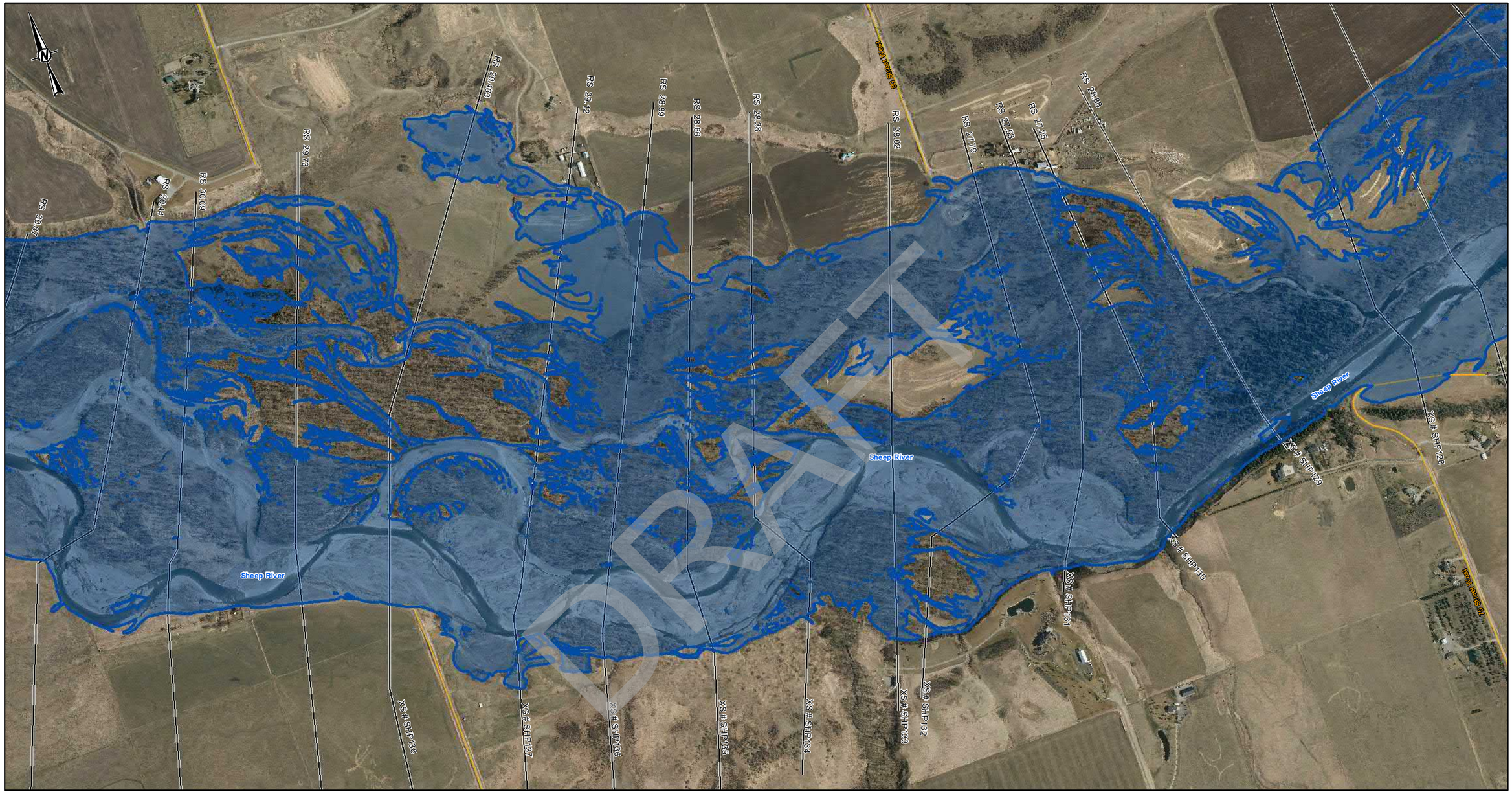

LEGEND

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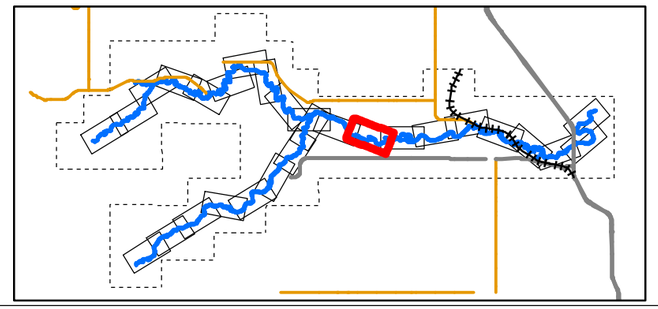
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 886 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 10 of 28

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

25mm

0

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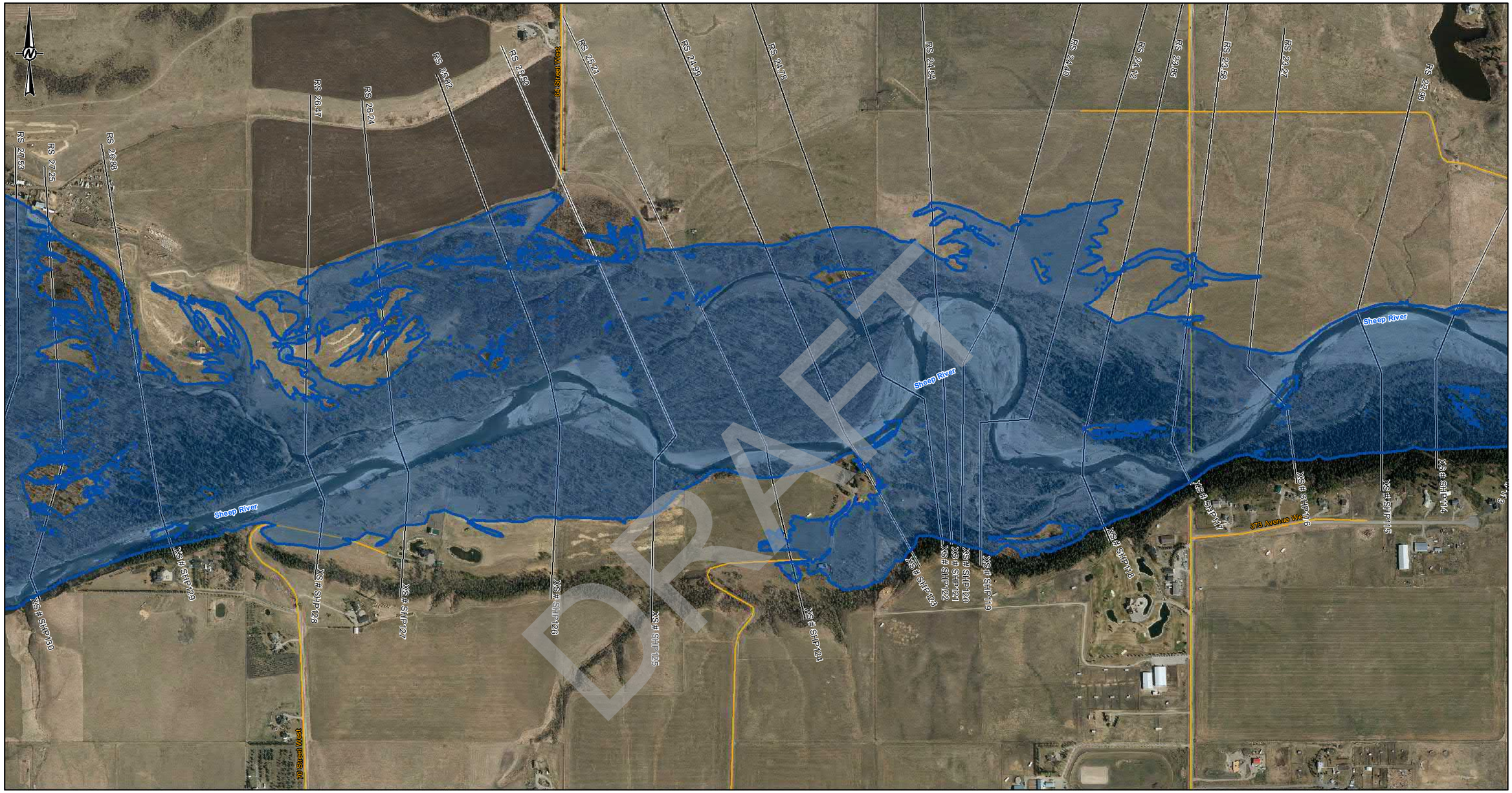
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



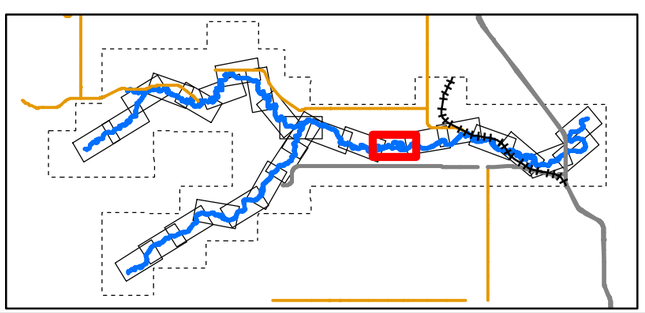
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 886 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 11 of 28

DRAFT

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Classification: Public

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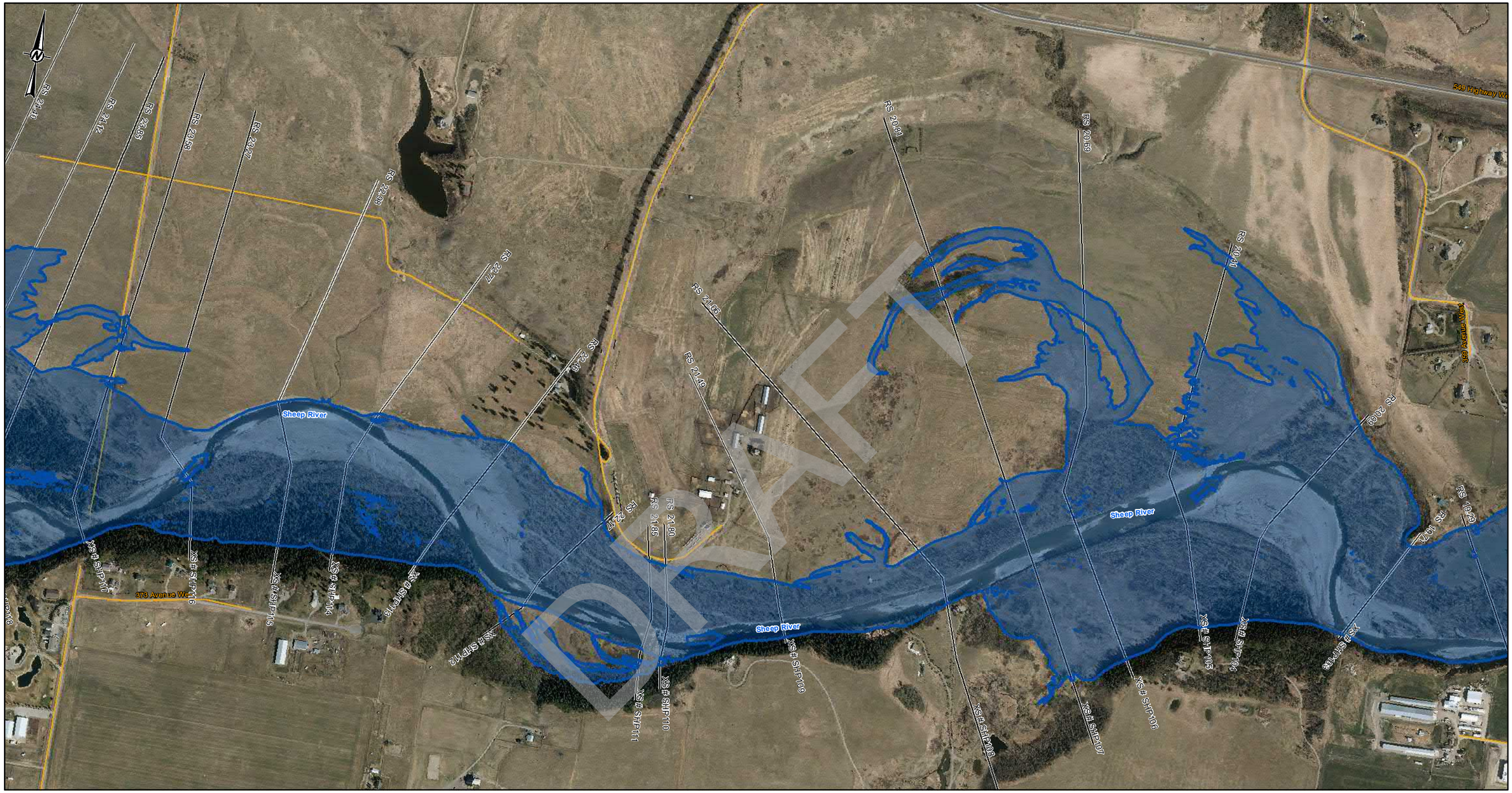
SHEET 13 ↑



DRAFT

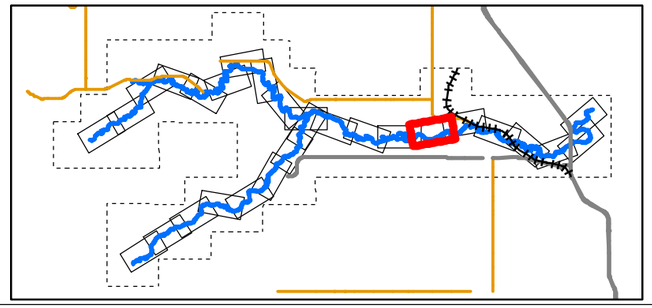
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 886 m^3/s



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TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 12 of 28

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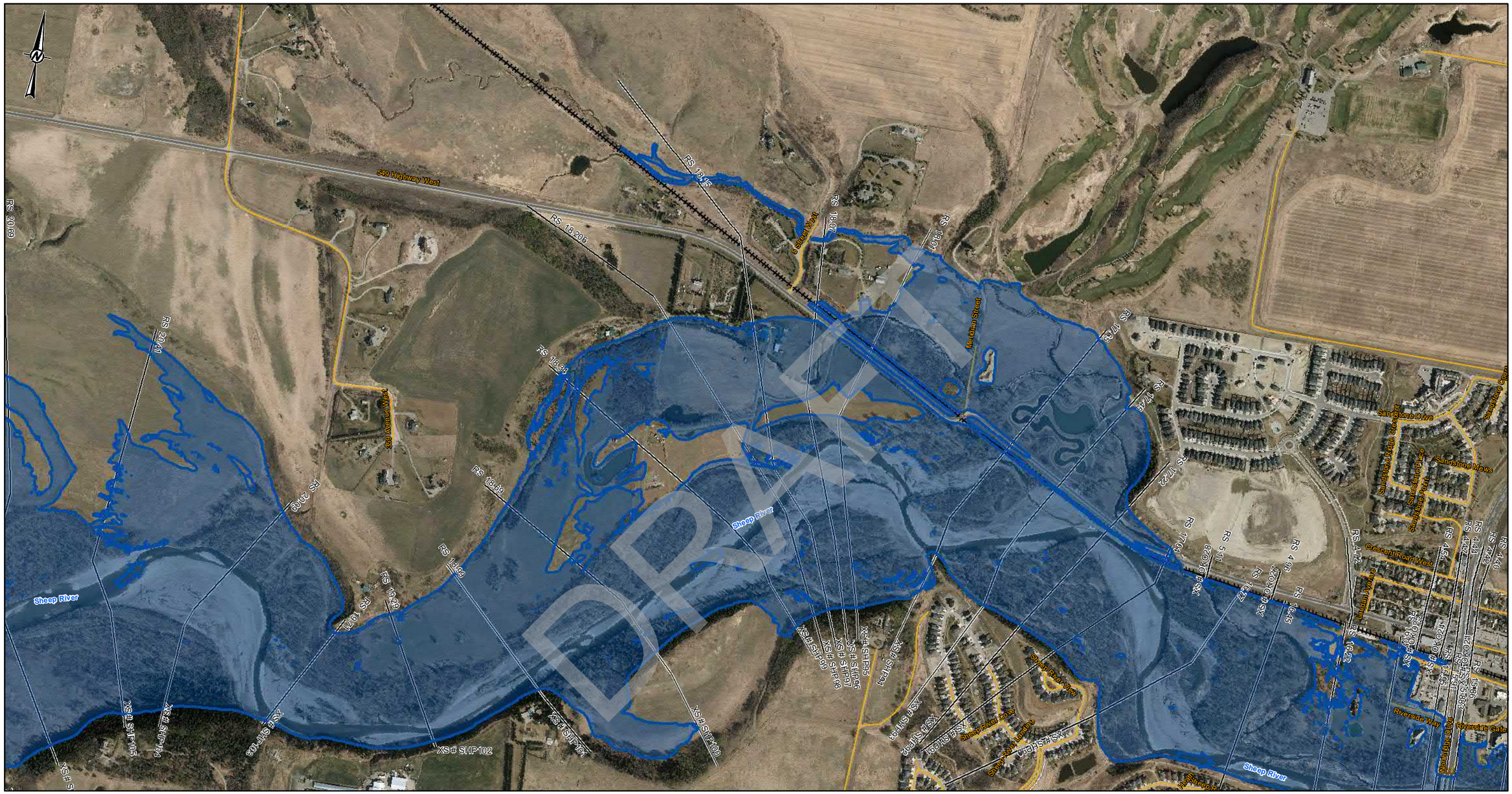
SHEET 12 ↑

SHEET 14 ↑



DRAFT

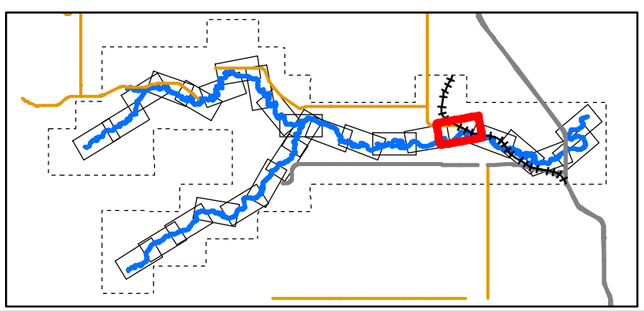
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 886 m^3/s



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 13 of 28

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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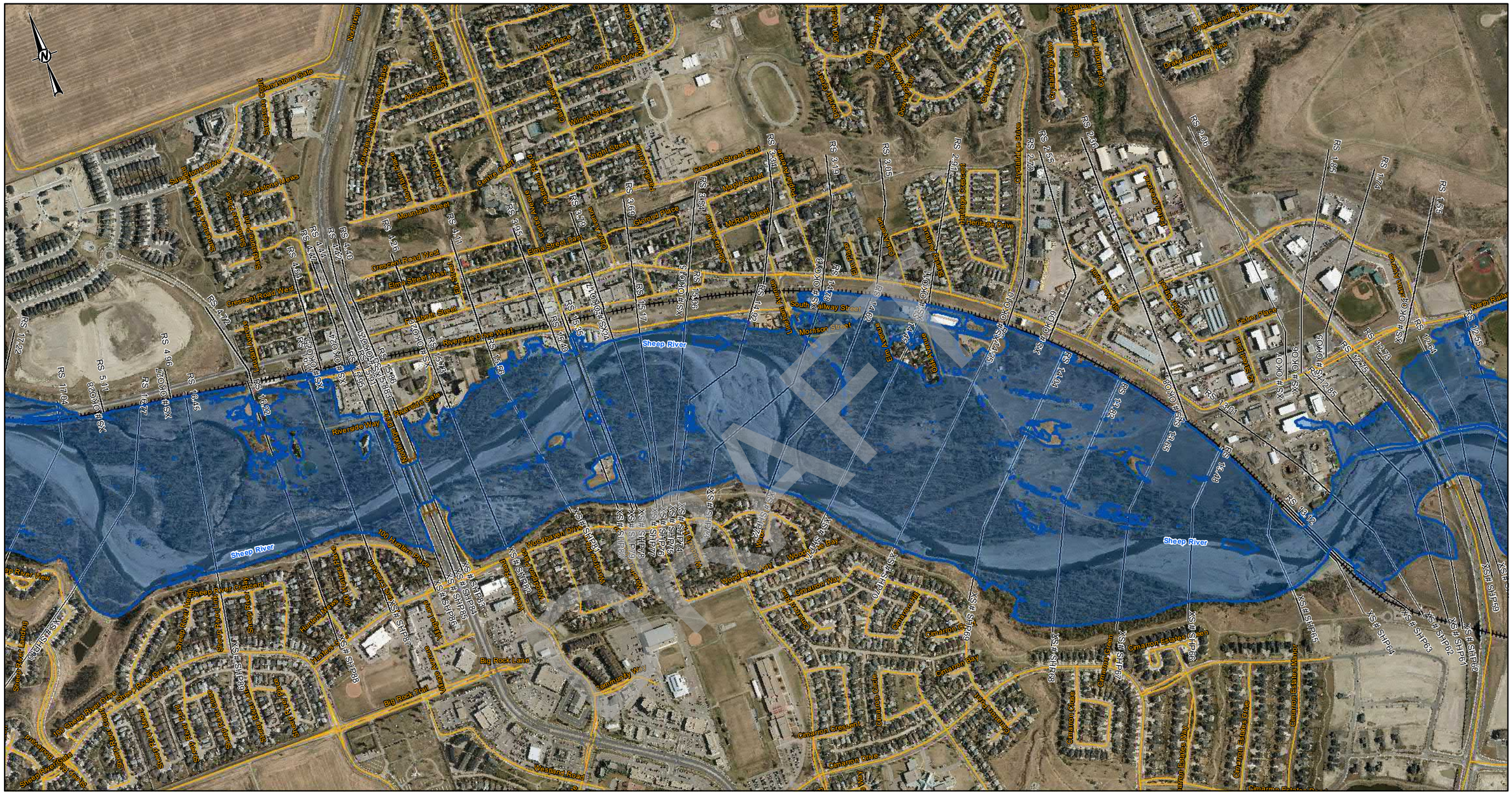
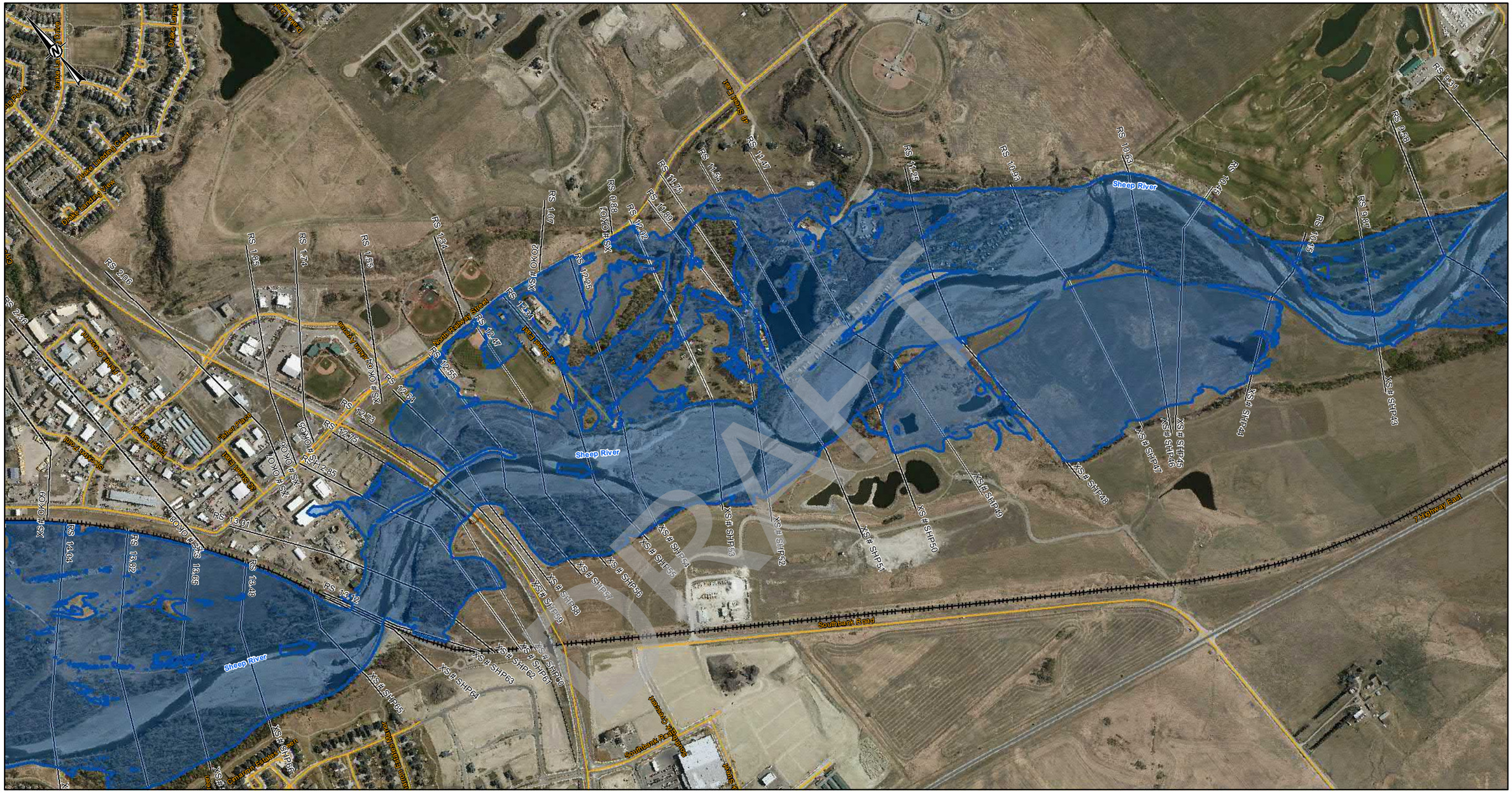
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Riverside Way
Riverside Gate
Riverside Drive
Riverside Bridge
Riverside Crescent
Riverside Place
Riverside Close
Riverside Green
Riverside Mews
Riverside Park
Riverside Pathway
Riverside Trail
Riverside Walkway
Riverside Way West
Riverside Walkway
Riverside Walkway West
Riverside Walkway East
Riverside Walkway Parking
Riverside Walkway Parking Lot
Riverside Walkway Parking Lot
Riverside Walkway Parking Lot

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
Main Railway Street
Southbank Roadway
Southbank Roadway
Cimaron Estates Drive
Cimaron Estates Drive
Dalhousie Drive
Dalhousie Drive
Dalhousie

SHEET 15 ↑

SHEET 17 ↑

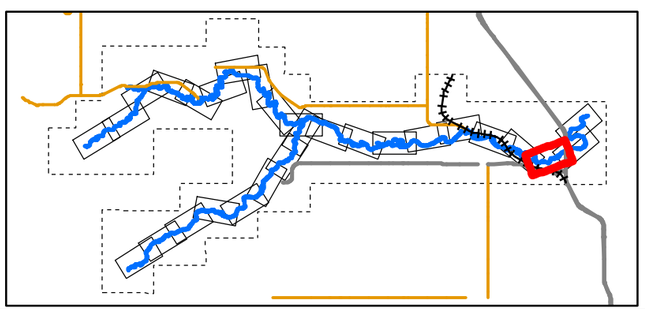
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 931 m^3/s



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Alberta Government

CONSULTANT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 16 of 28

DRAFT

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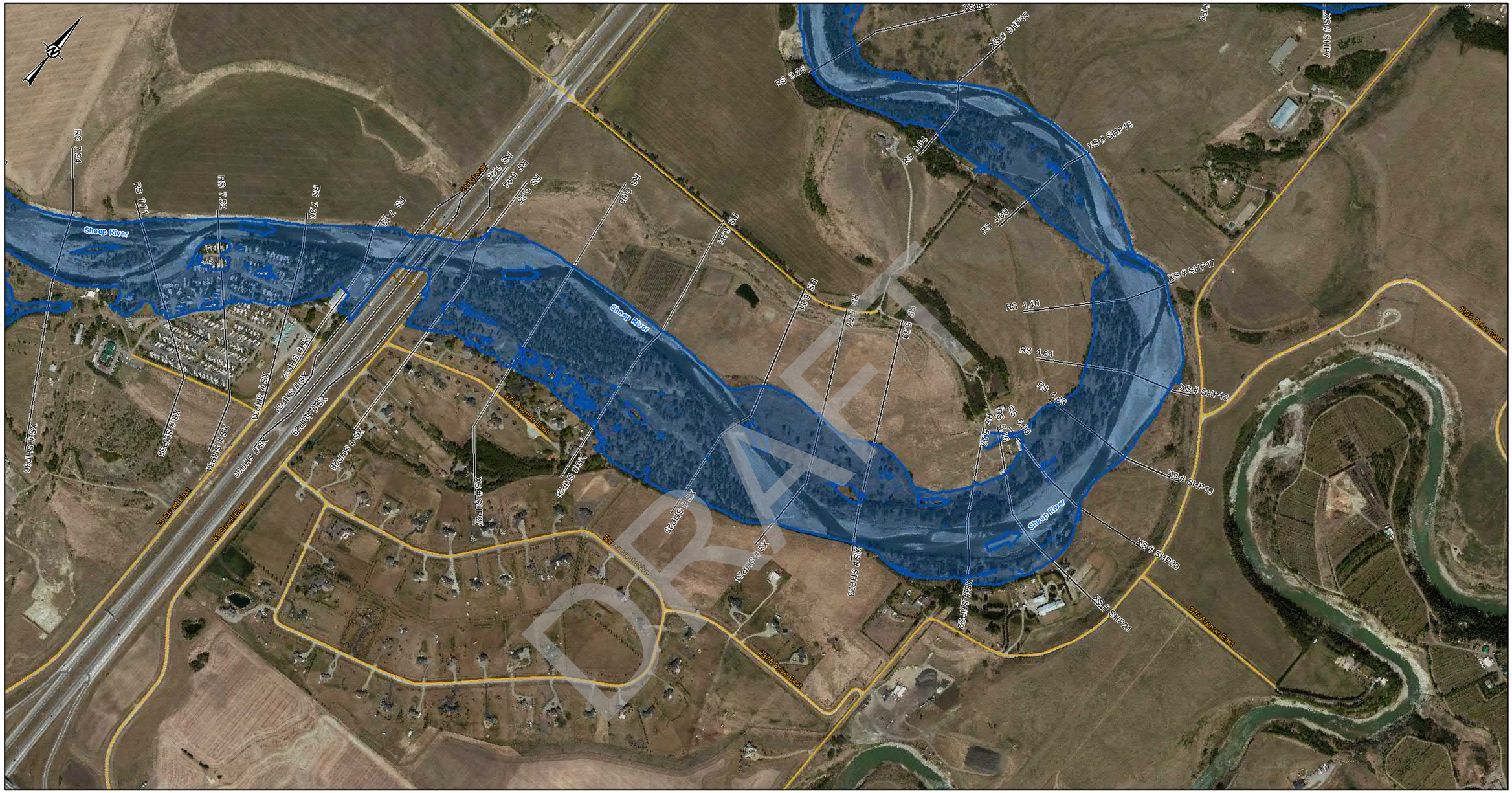
SHEET 18 ↑

SHEET 16 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
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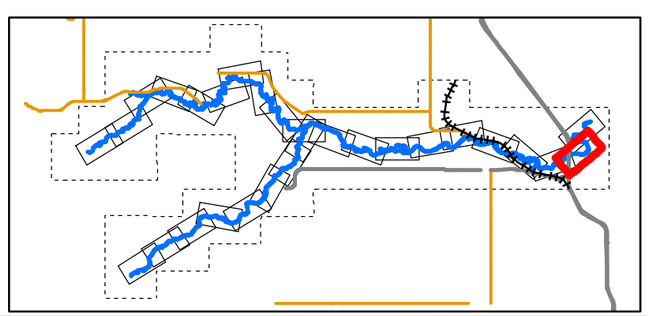

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 17 of 28

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Classification: Public

SHEET 17 ↓

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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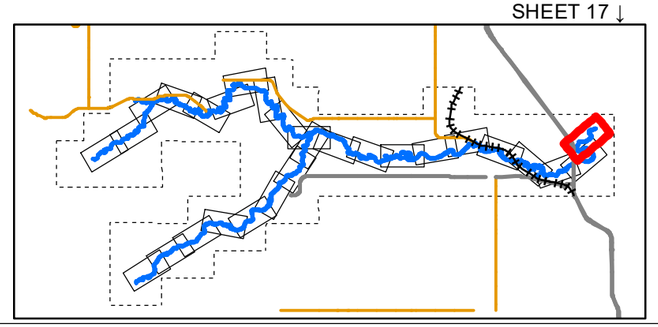
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 931 m^3/s



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 18 of 28

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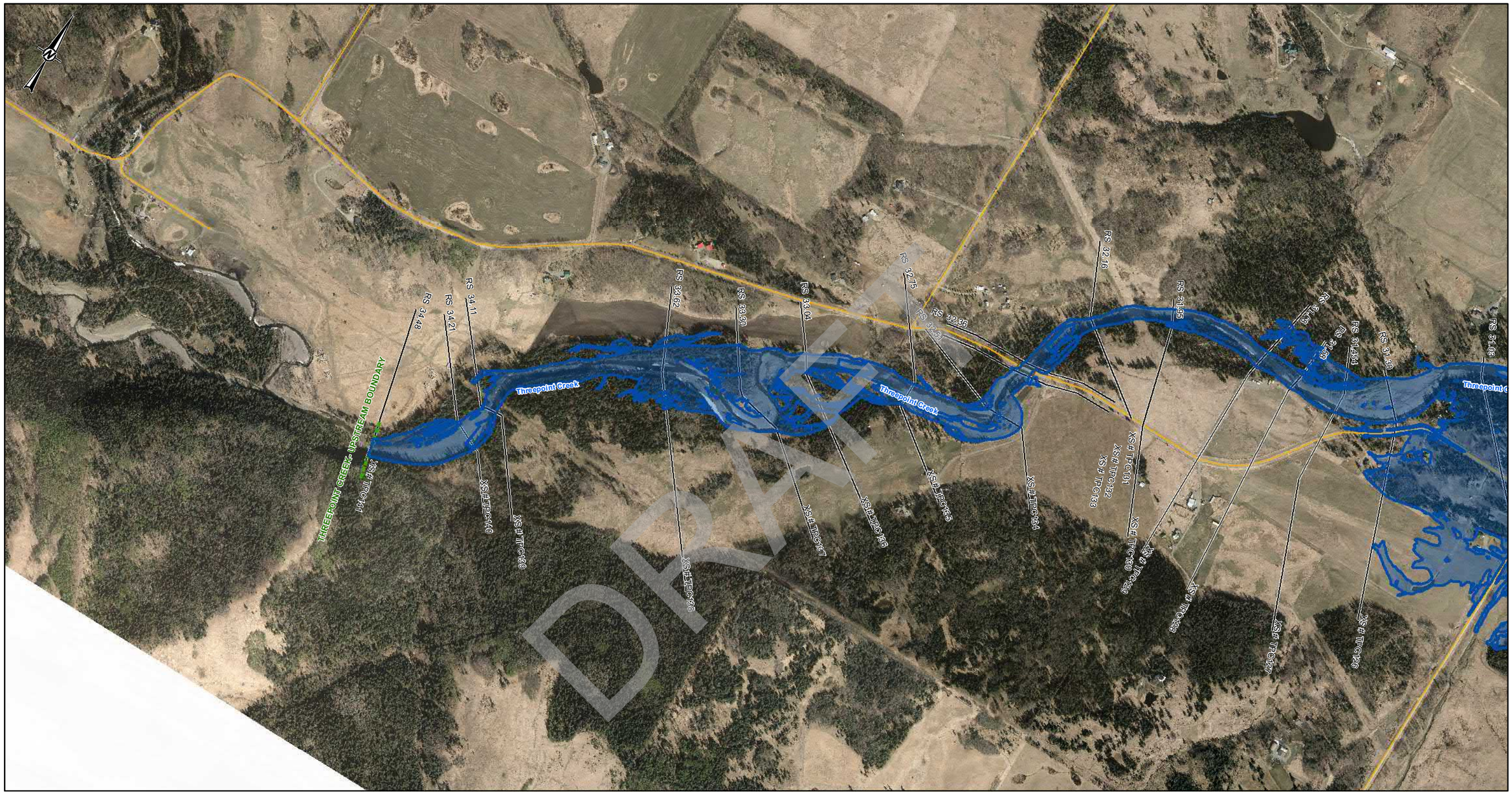
Classification: Public



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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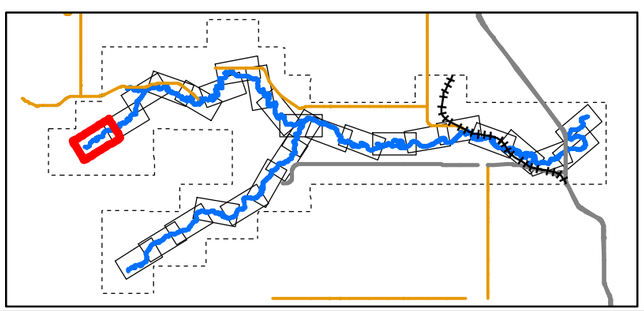
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 161.2 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 19 of 28

SHEET 20 ↑

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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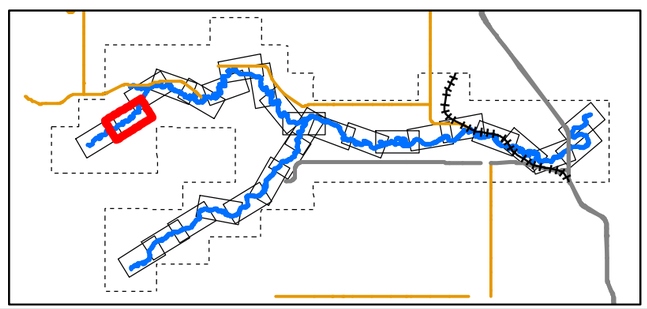
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 161.2 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 20 of 28

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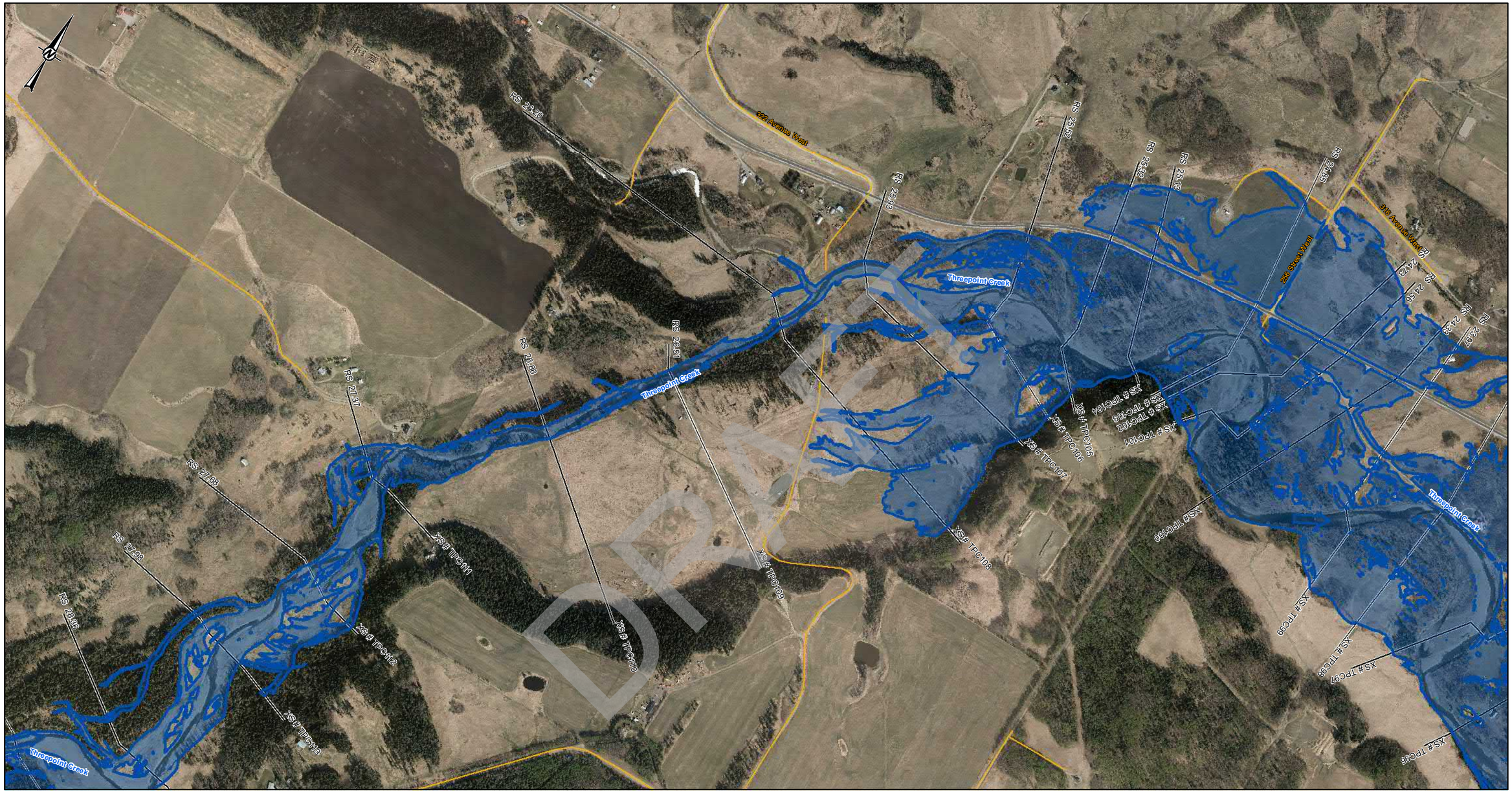
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



LEGEND

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- XS#110 CROSS SECTION NUMBER
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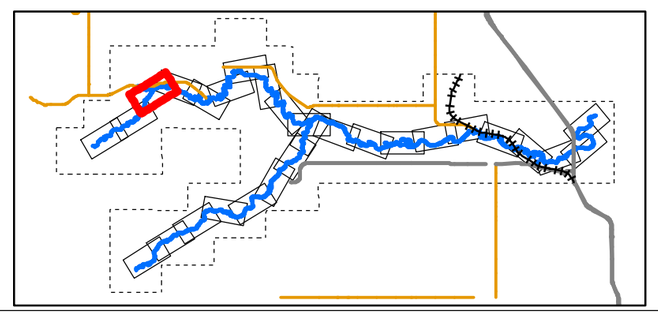
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 161.2 m^3/s
THREEPOINT CREEK= 312 m^3/s (DS- RS 25.93)



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PROJECT
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TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 21 of 28

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25mm

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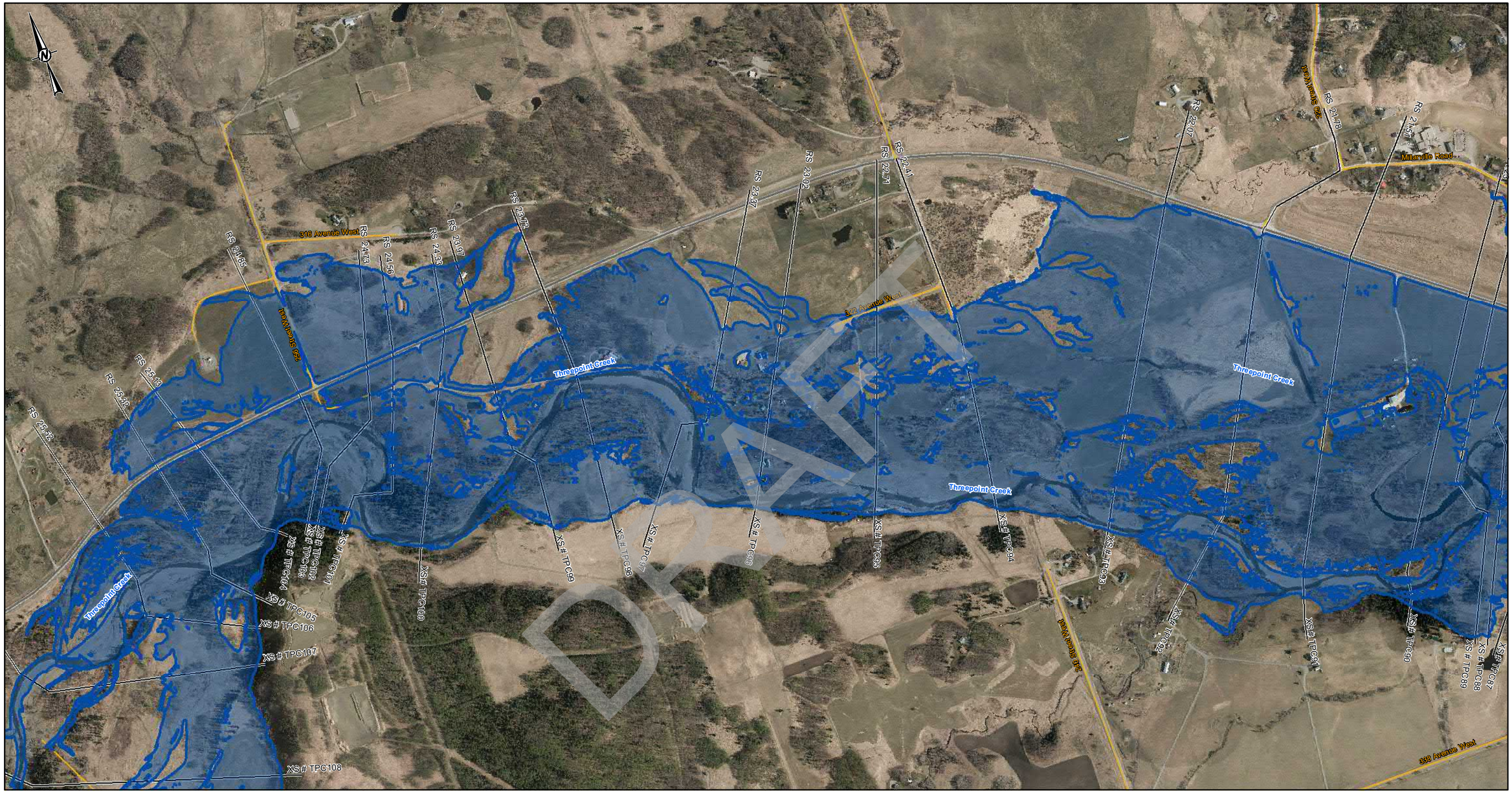
Classification: Public

SHEET 21 ↑

SHEET 23 ↑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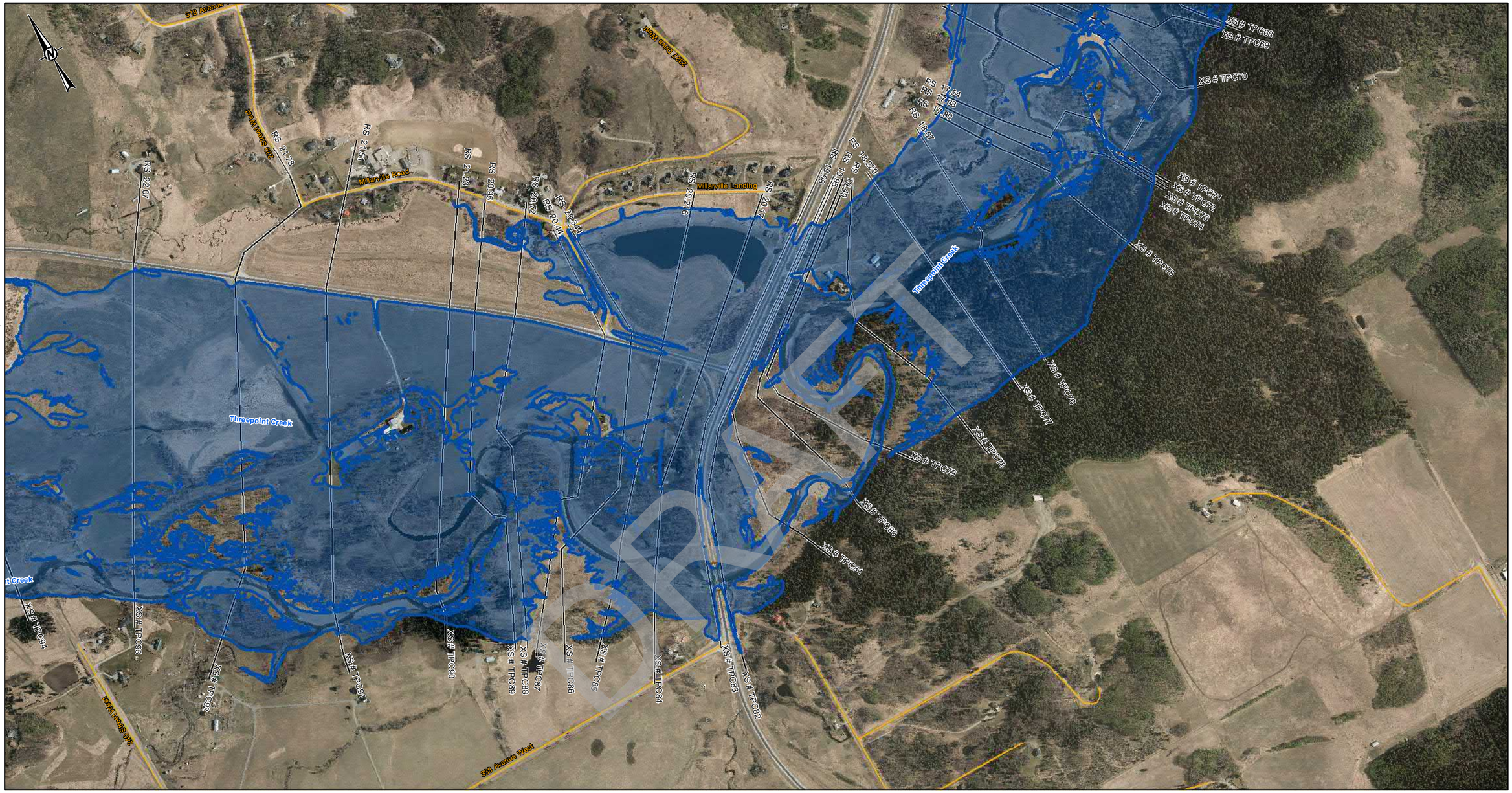
338 Avenue West
Threepoint Creek
Threepoint Creek
Threepoint Creek
Threepoint Creek
Threepoint Creek
Township Road 320
Township Road 320
Township Road 320

SHEET 24 ↑

SHEET 22 ↑



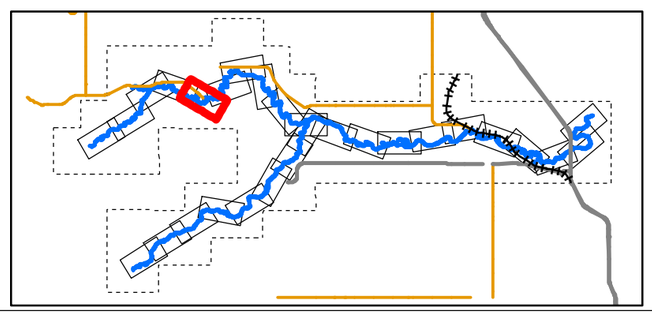
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 312 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 23 of 28

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

25mm

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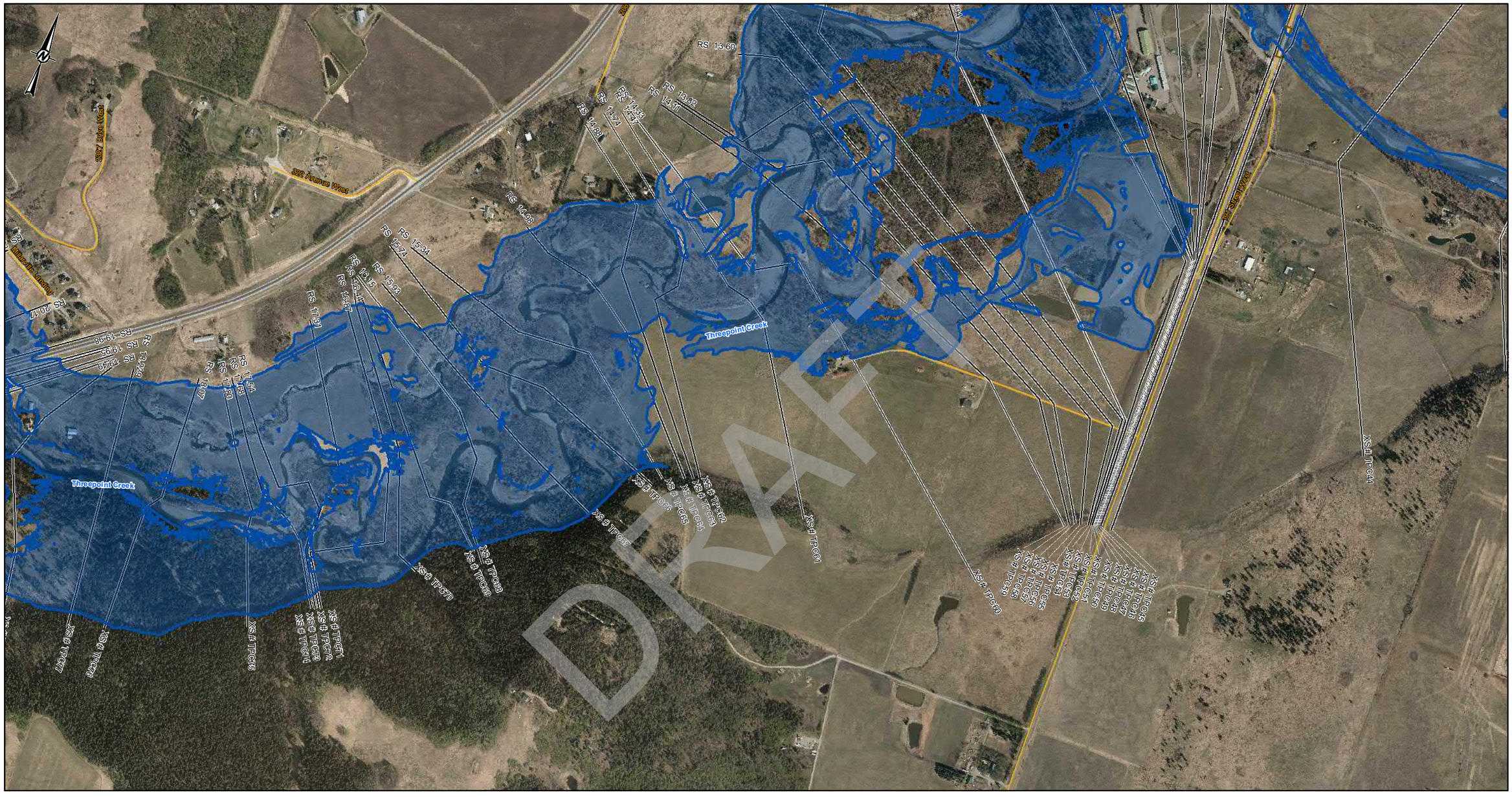
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

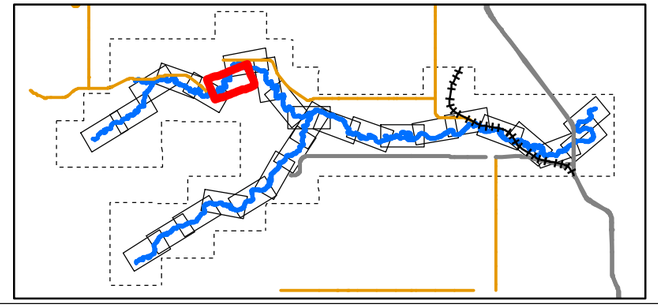
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 312 m^3/s
THREEPOINT CREEK= 387 m^3 (DS- RS 14.98)



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 24 of 28

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0 25mm

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Classification: Public

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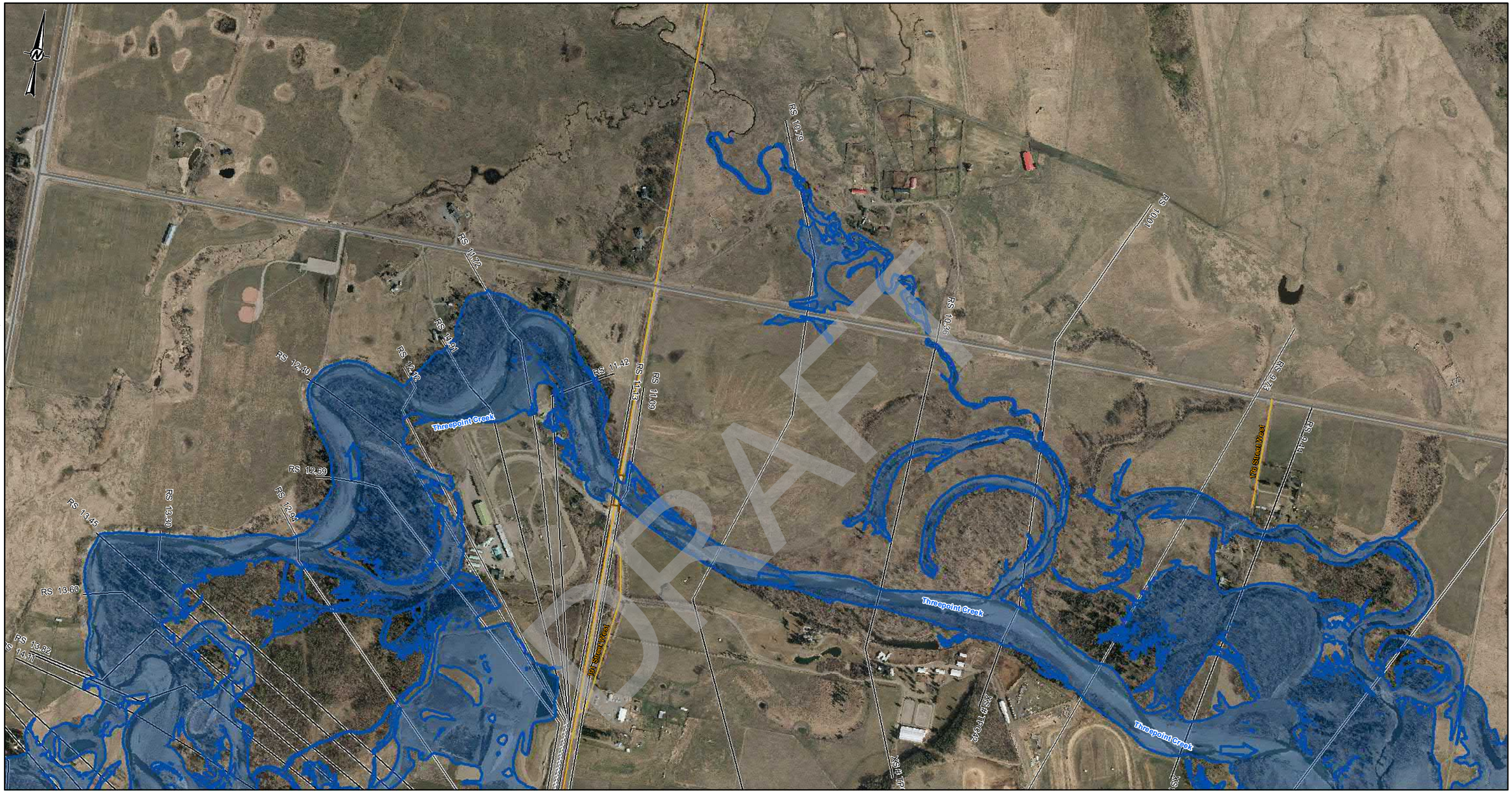

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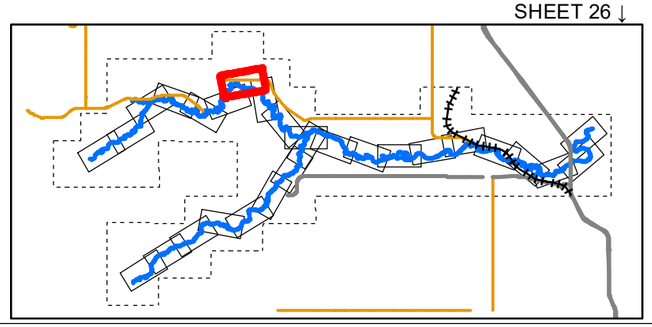

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 387 m^3/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 25 of 28

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Classification: Public

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25mm
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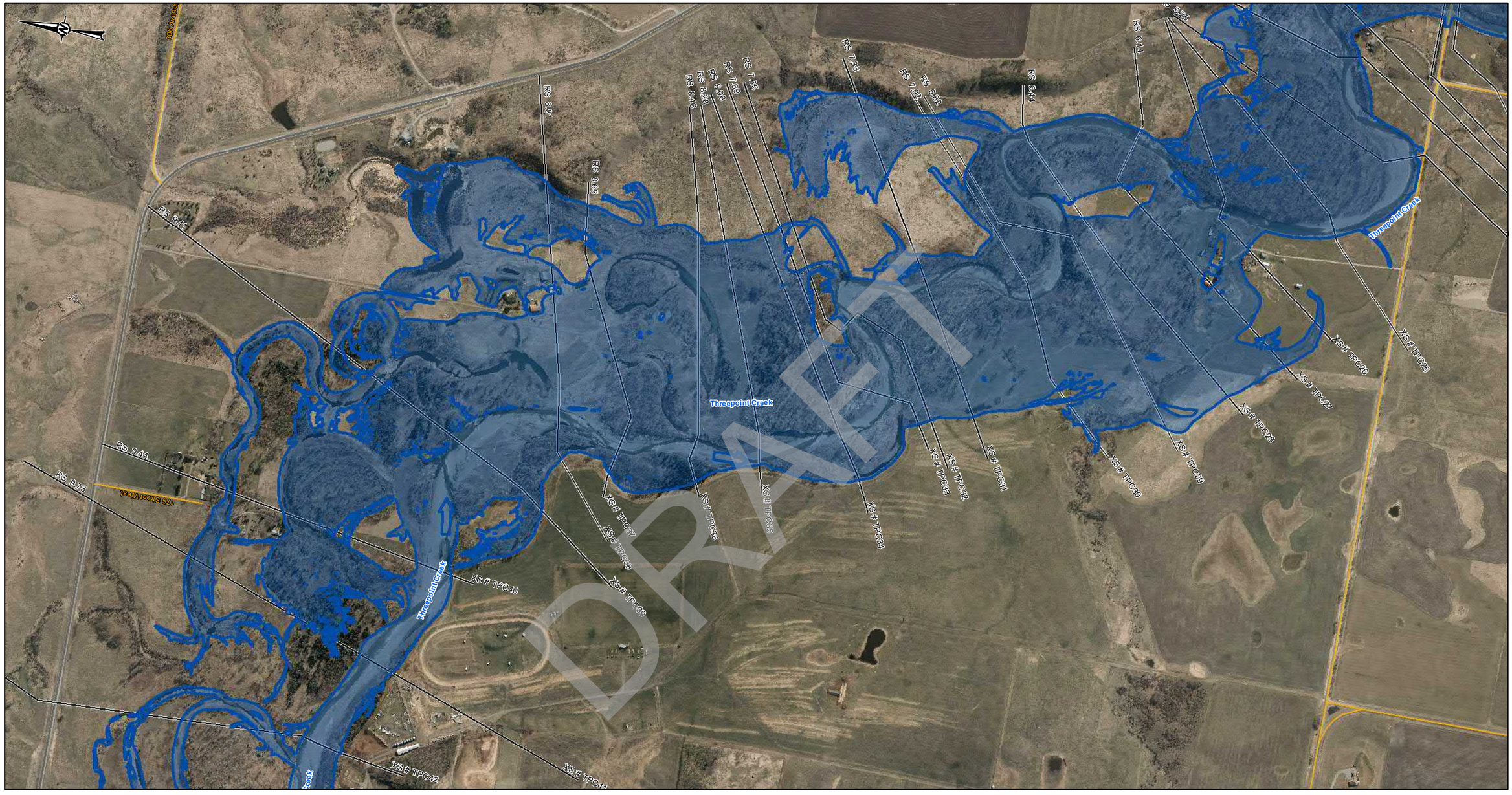
SHEET 25 ↑

SHEET 27 ↑



DRAFT

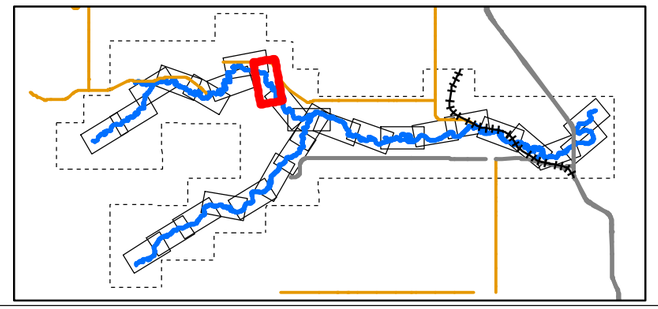
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 387 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 26 of 28

Classification: Public

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

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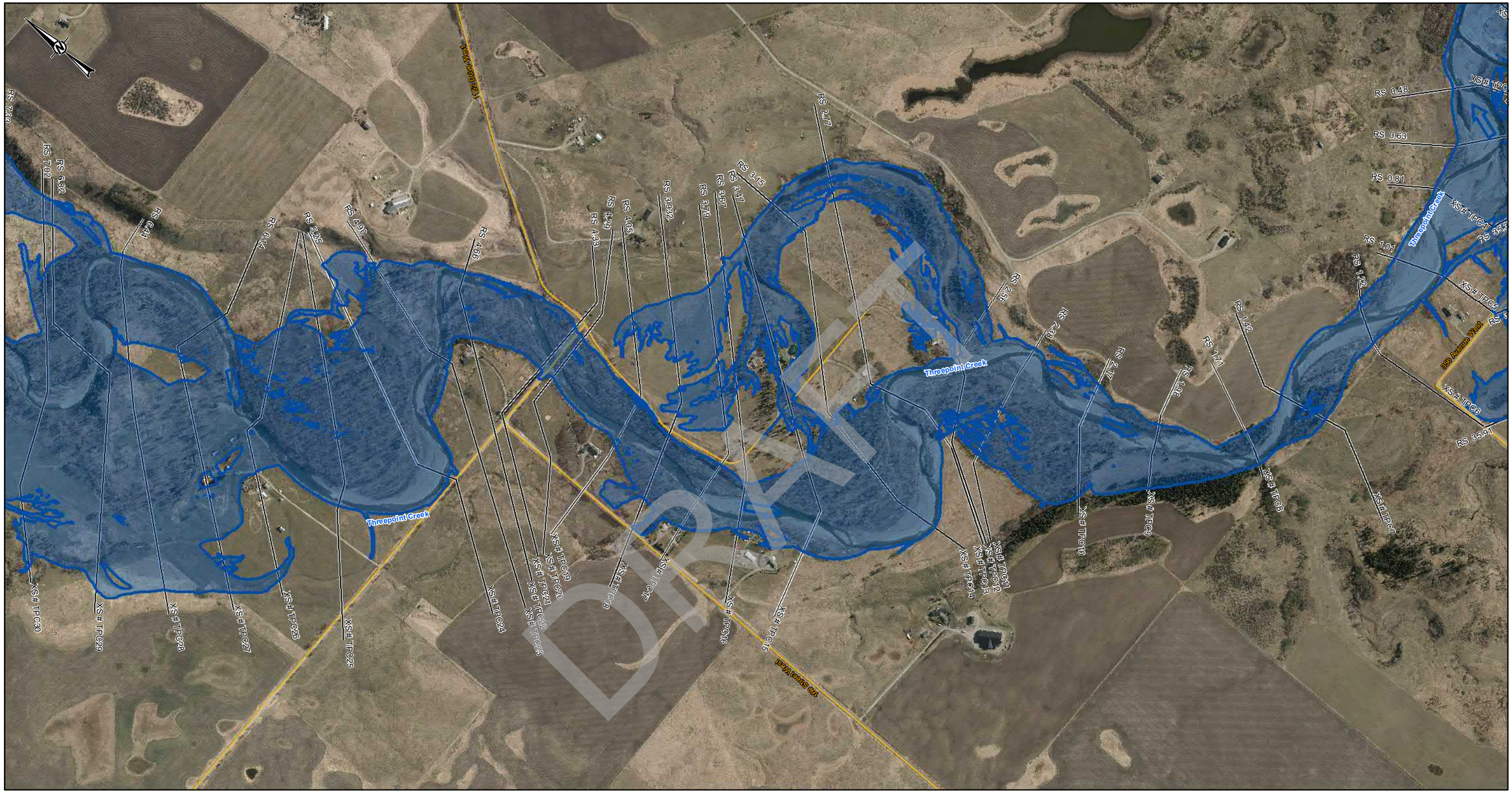
SHEET 26 ↑

SHEET 28 ↑



DRAFT

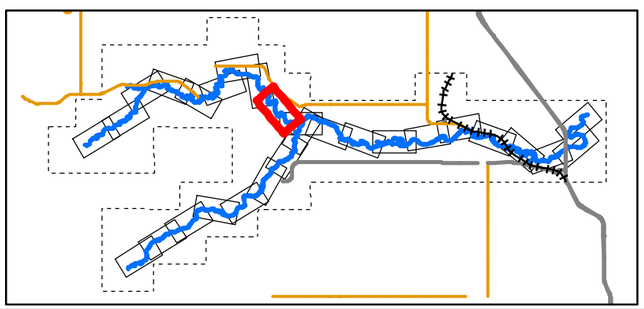
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 387 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 27 of 28

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

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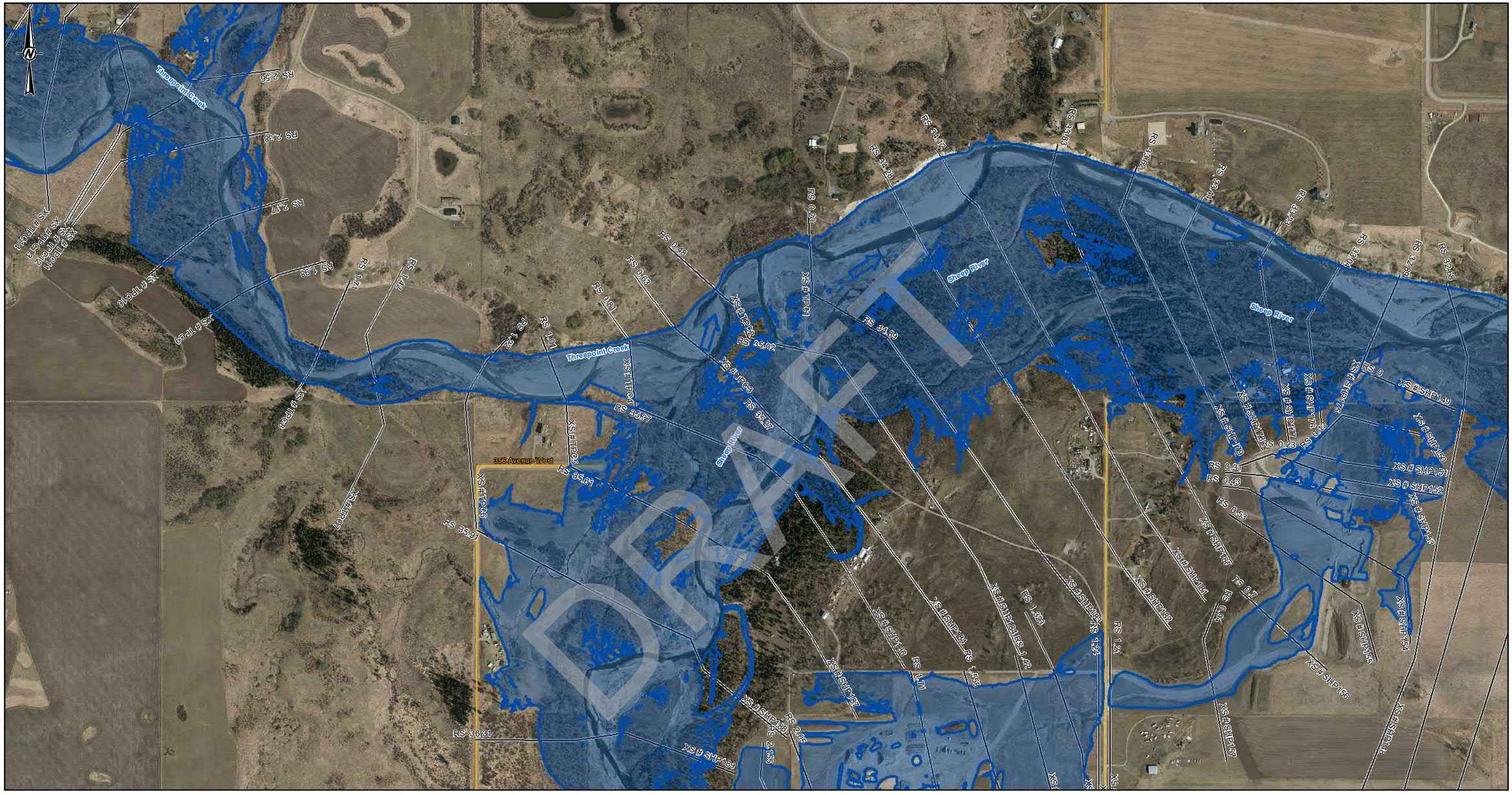
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



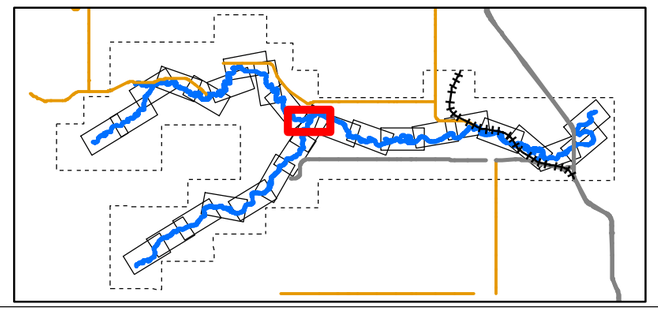
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

35-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 387 m ^{3}/s
SHEEP RIVER= 484 m^3/s
SHEEP RIVER= 871 m ^{3}/s (DS- RS 34.28)



0 50 100 200 300 400
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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
35- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0005-3333	0	Sheet 28 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
25mm
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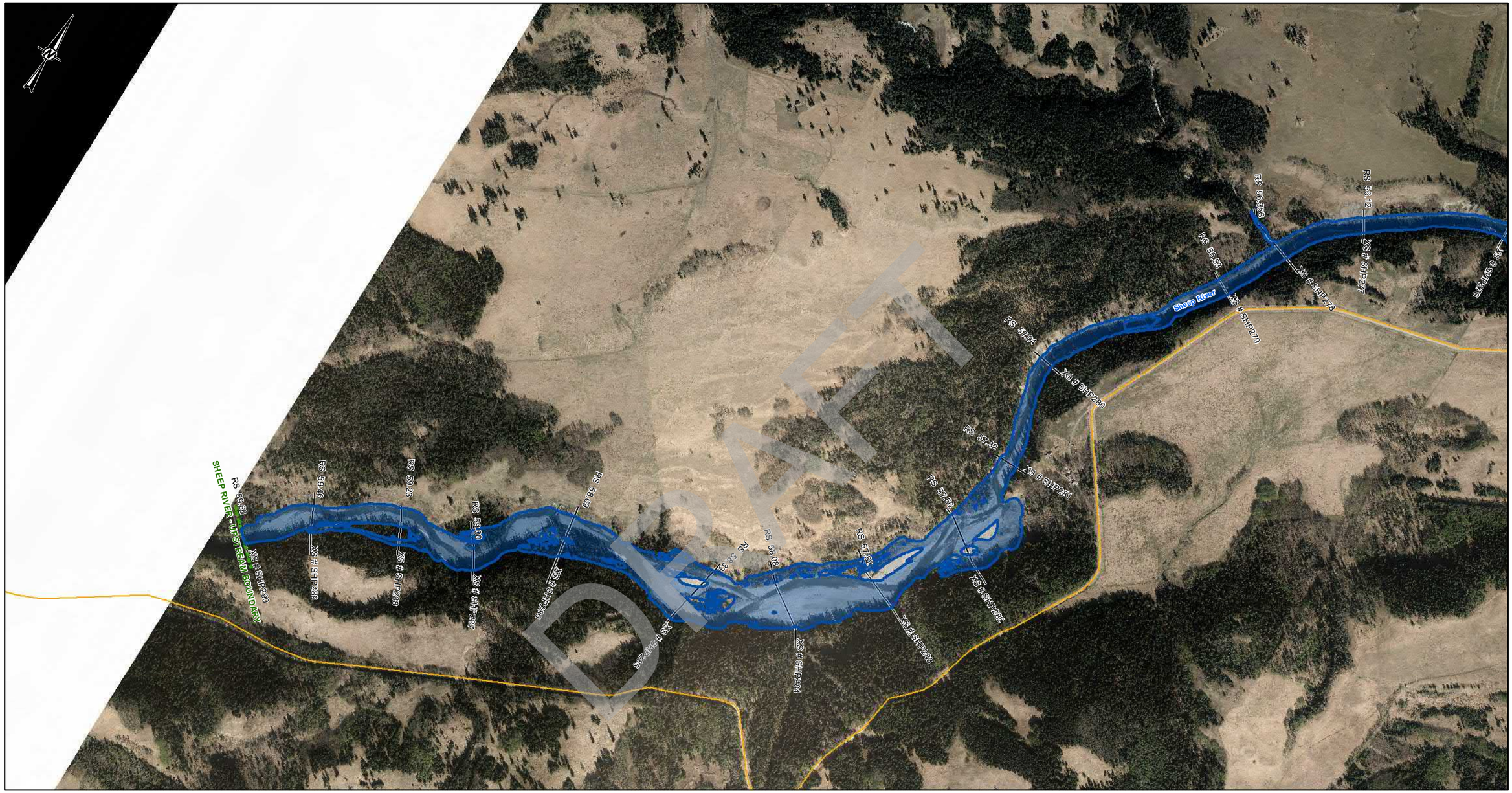
Classification: Public

50-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



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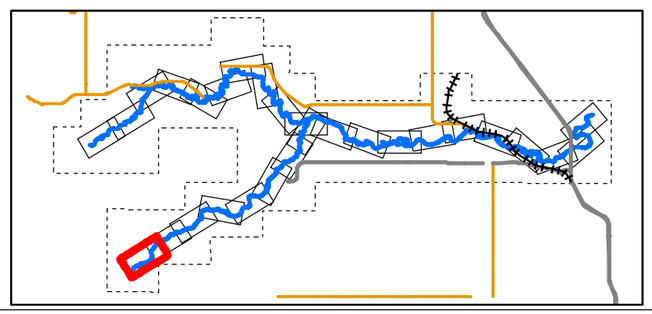
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 576 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 1 of 28

DRAFT

C:\Users\ajallo\Documents\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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Classification: Public

SHEET 1 ↑

SHEET 3 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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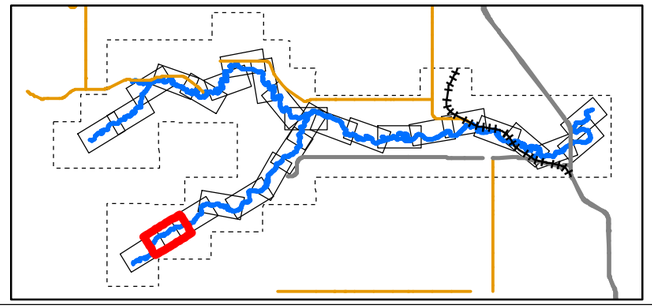
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 576 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 2 of 28

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

25mm

0

Classification: Public

SHEET 2 ↑

SHEET 4 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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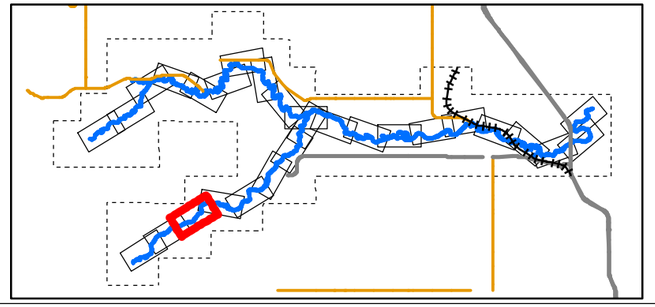
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 576 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 3 of 28

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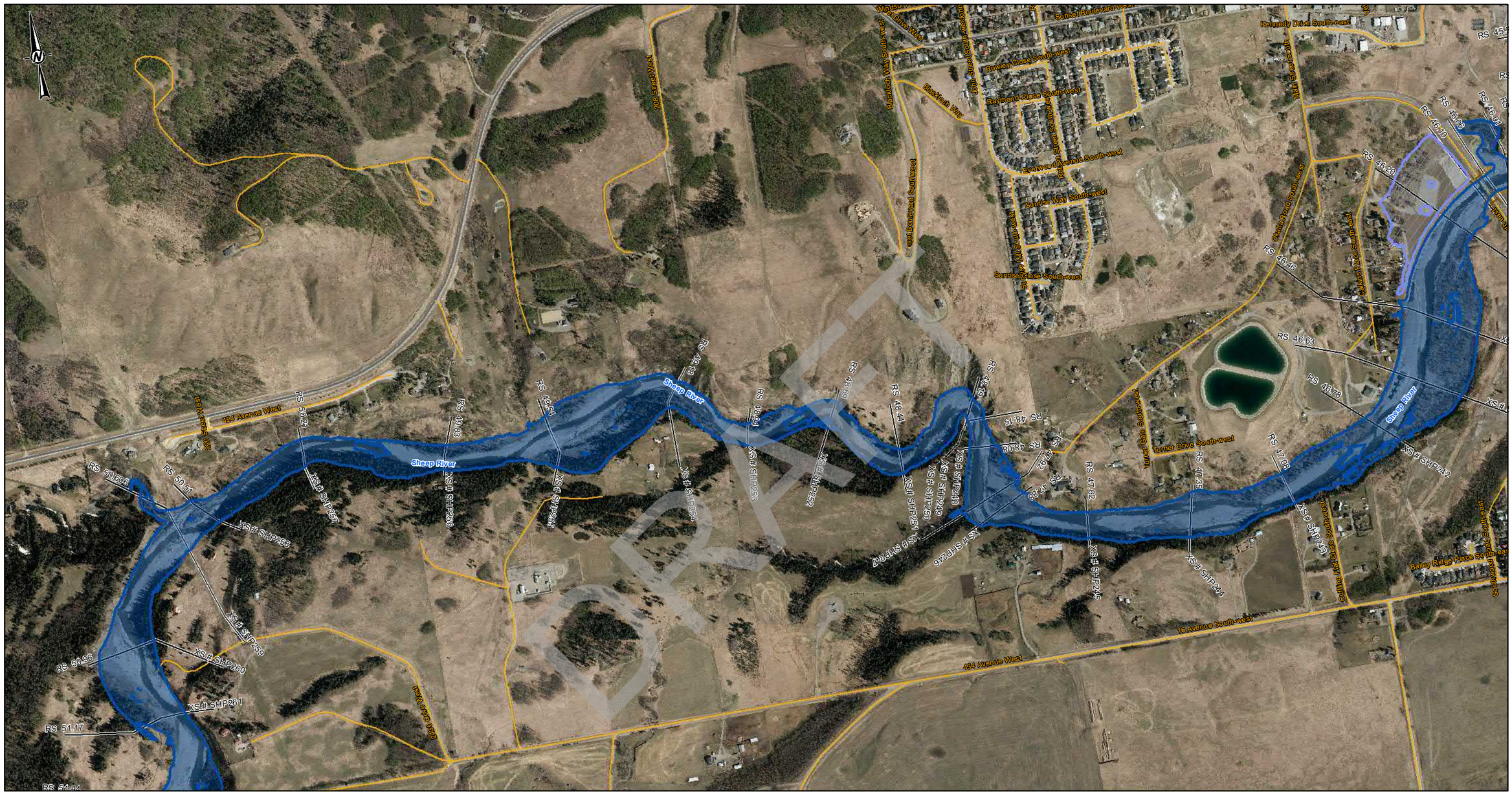
Classification: Public

SHEET 3 ↑

SHEET 5 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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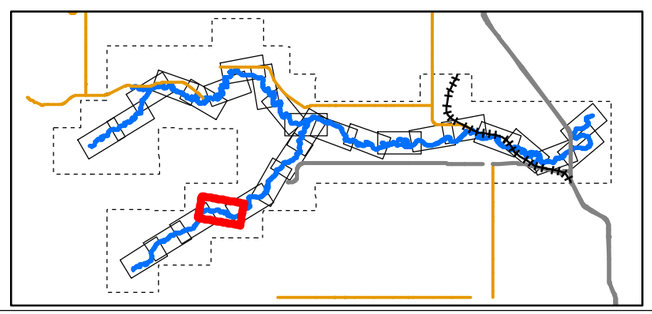
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 576 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 4 of 28

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25mm

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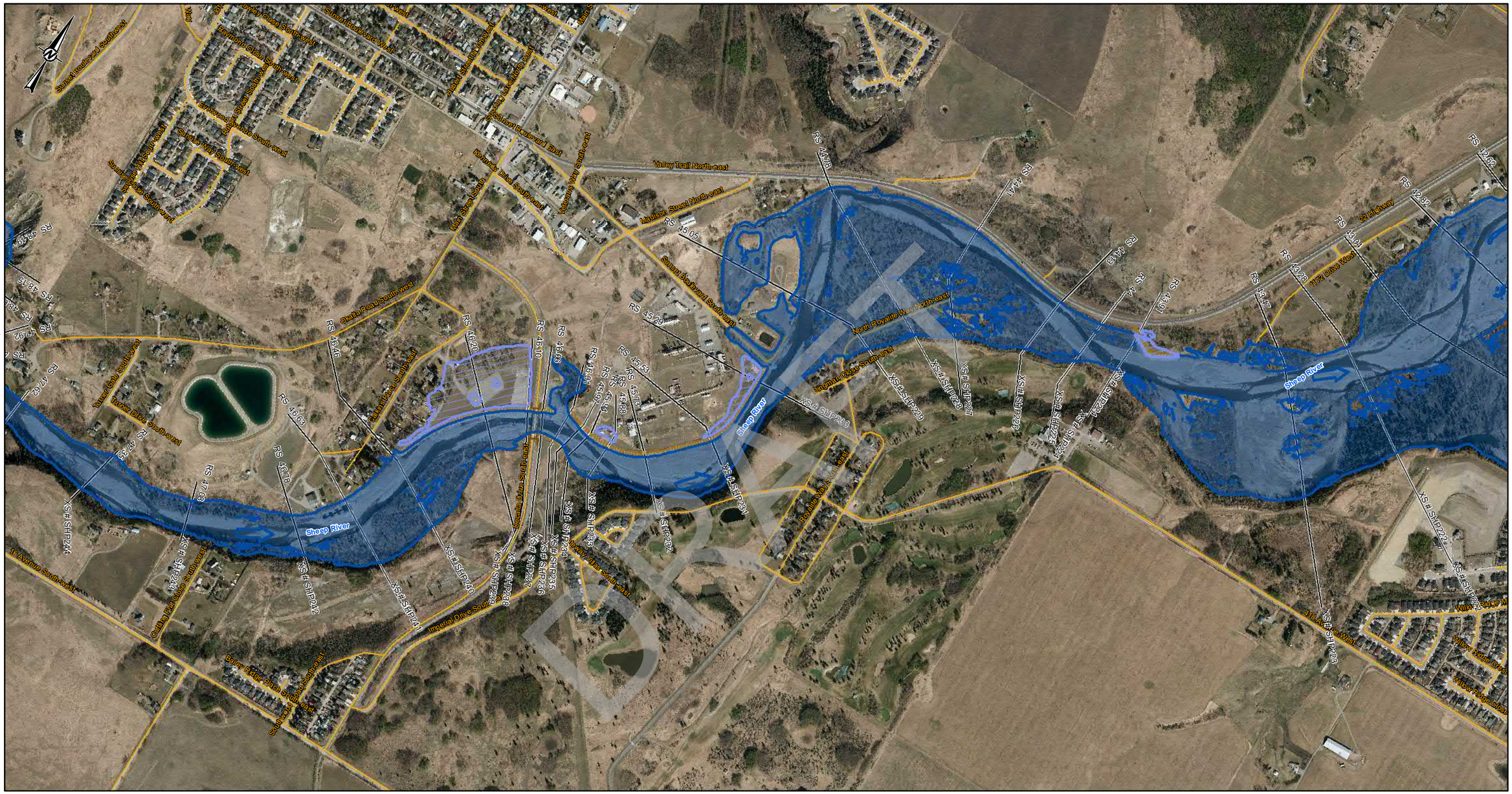
Classification: Public

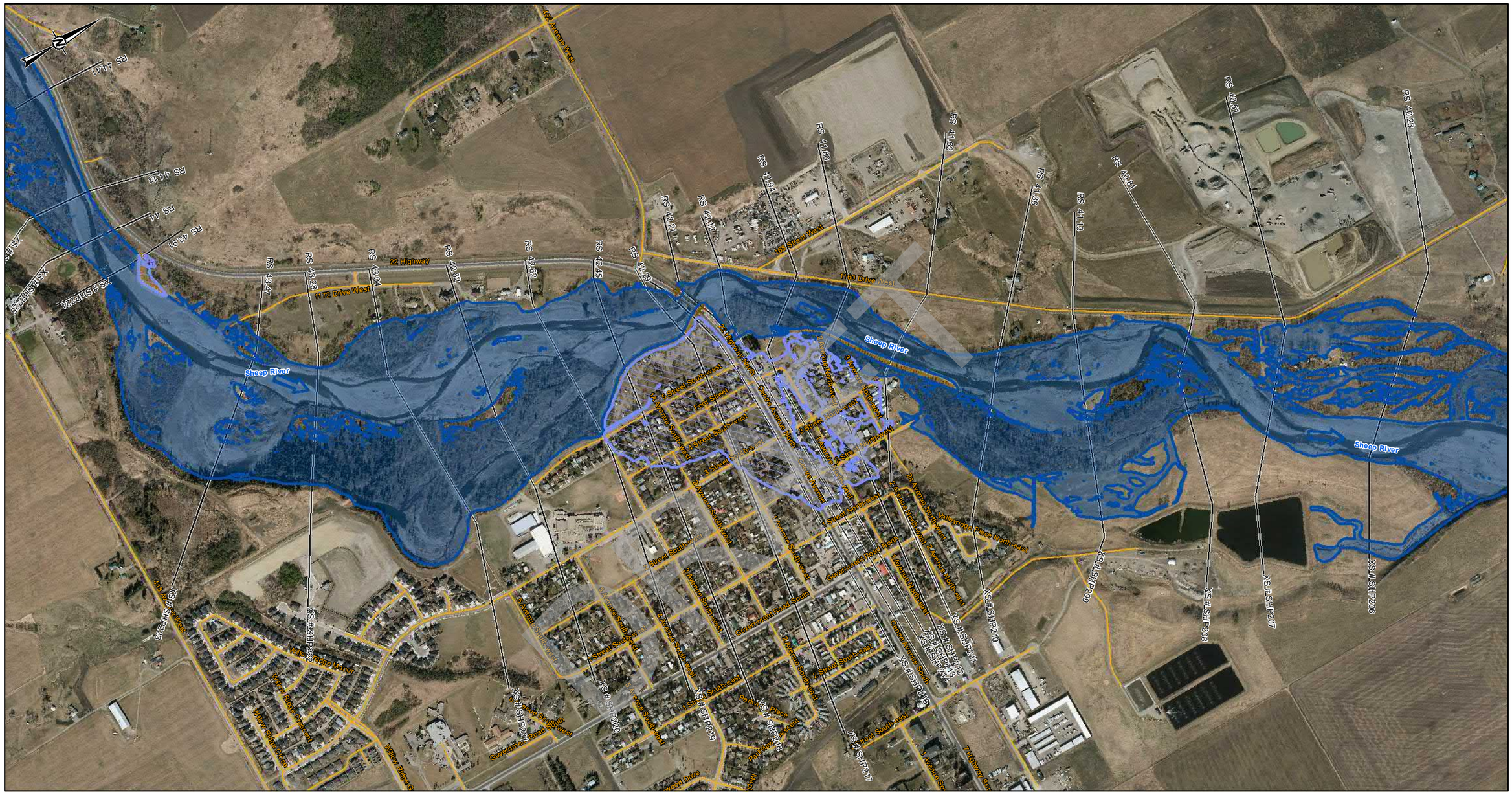
SHEET 6 ↑

SHEET 4 ↑


Sunset Boulevard Southwest
Sunset Boulevard West
Valley Trail North-east
Madison Street North-east
Sunset Boulevard Southeast
North Royalite Way North-east
Okotoks Road South-west
Main Street South
Mountain Drive South-west
Valleyview Way South-east
Southridge Drive Southeast
Imperial Drive Southeast
Bellamy Ridge Place Southeast
Southridge Way Southeast
Cutting Point Close Southwest
Hazel Gate South-west
Hunter Drive South-west
Sheep River
Sheep River
Sheep River

SHEET 5 ↑

SHEET 7 ↑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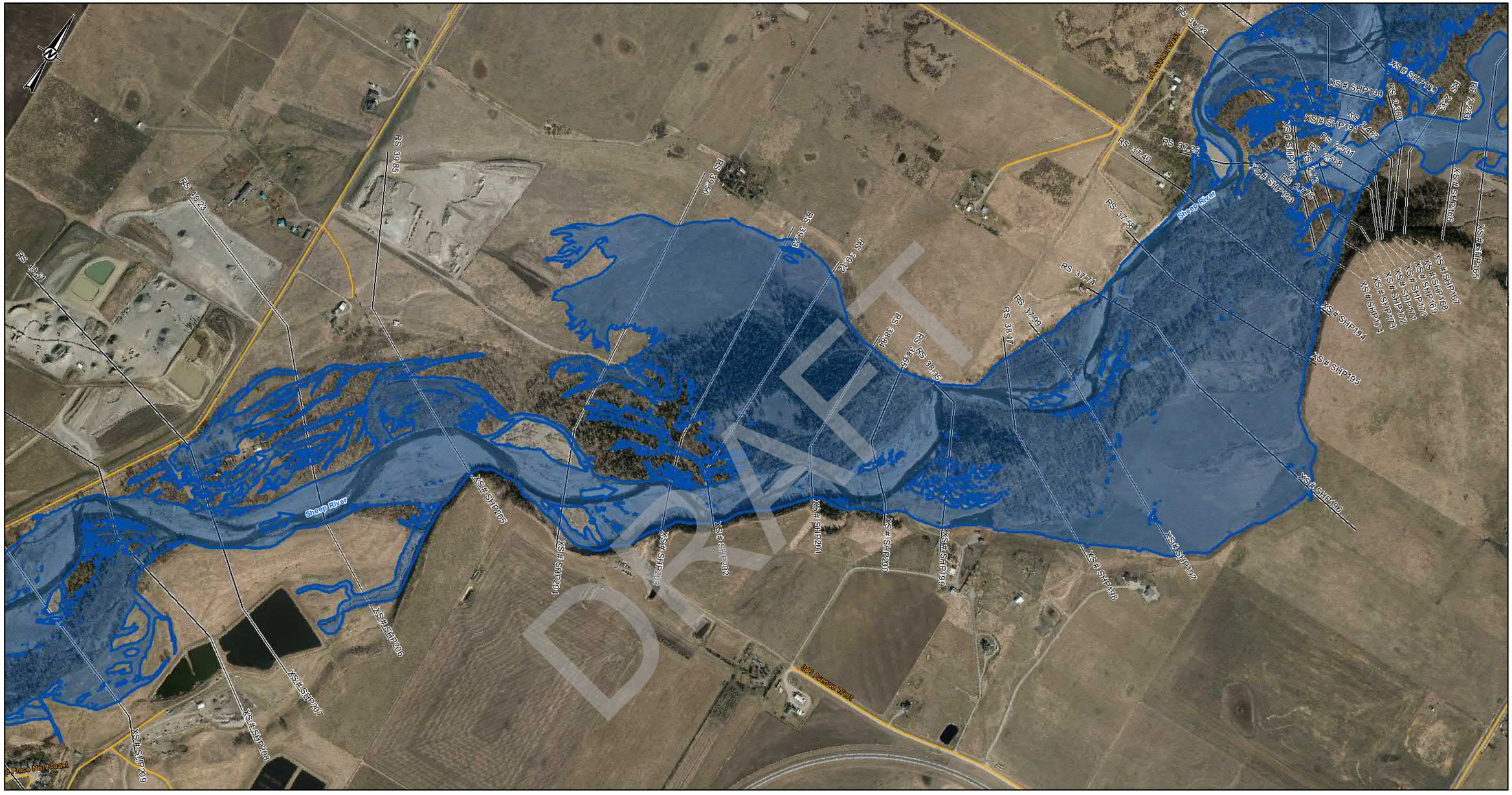
RS 44.41
RS 44.13
RS 44
RS 43.97
XS #SHP225
XS #SHP224
RS 43.47
RS 43.28
RS 43.04
RS 42.92
RS 42.82
RS 42.45
RS 42.21
RS 42.12
RS 41.94
RS 41.80
RS 41.69
RS 41.36
RS 41.18
RS 40.91
RS 40.51
RS 40.23
22 Highway
1172 Drive West
1180 Avenue West
182 Street West
1180 Drive West
Sheep River
Willow Ridge Manor
Willow Ridge Drive
Willow Ridge Close
Willow Ridge Crescent
Willow Ridge Road
Willow Ridge Green
Willow Ridge Grove
Willow Ridge Gate
Willow Ridge Mews
Willow Ridge Rise
Willow Ridge Heights
Willow Ridge Boulevard
Willow Ridge Park
Willow Ridge Way
Willow Ridge Landing
Willow Ridge Terrace
Willow Ridge Hill
Willow Ridge Point
Willow Ridge Cove
Willow Ridge Circle
Willow Ridge Court
Willow Ridge Place
Willow Ridge Pathway
Willow Ridge Pond
Willow Ridge Vista
Willow Ridge Bay
Willow Ridge Trail
Willow Ridge Walk
Willow Ridge Wynd
Willow Ridge Alley
Willow Ridge Avenue
Willow Ridge Street
Willow Ridge Lane
Willow Ridge Drive

SHEET 6 ↑

SHEET 8 ↑



DRAFT

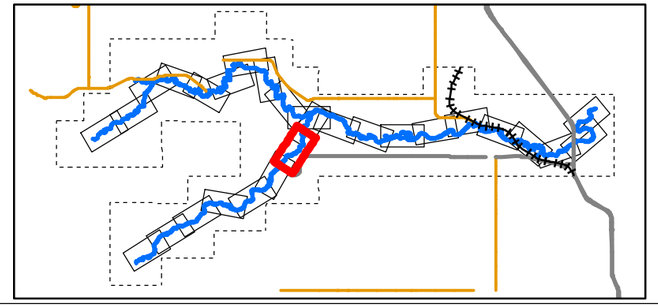
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 576 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 7 of 28

C:\cygdata\Tp\projects\WATERPOWER\12545\GIS\ECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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

25mm
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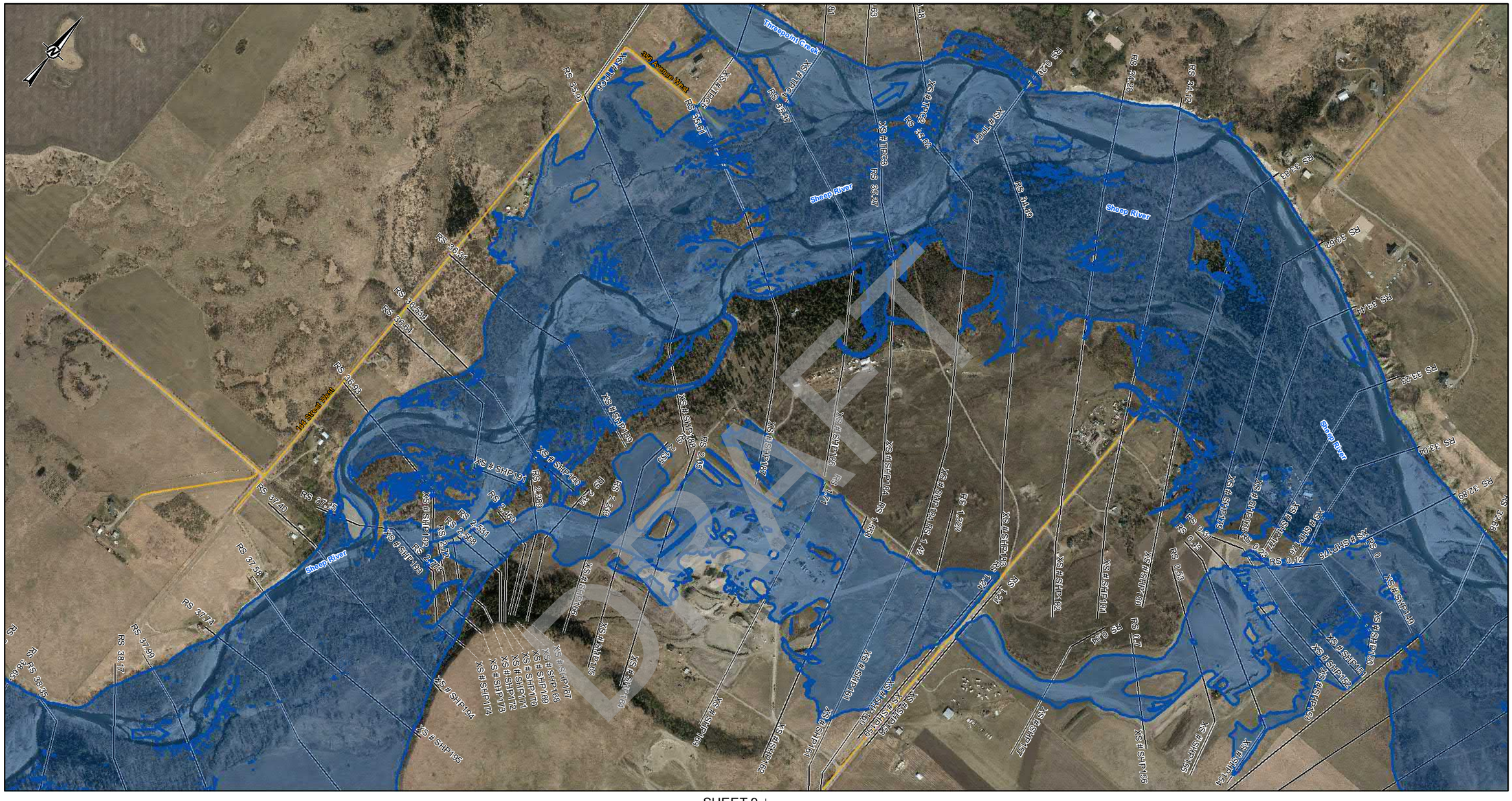
Classification: Public

SHEET 27 ↑

SHEET 7 ↑



SHEET 9 ↓

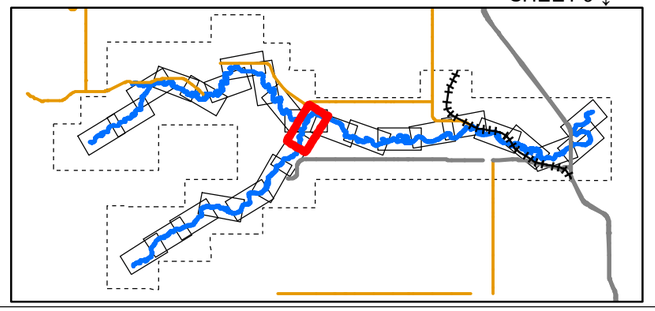
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 457 m ^{3}/s
SHEEP RIVER= 576 m^3/s
SHEEP RIVER= 1033 m ^{3}/s (DS- RS 34.28)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 8 of 28

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

0 20mm

\\cgyutlal01\projects\WATERPOWER\123456\SPECIALIST_APPS\ASP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 8 ↑

SHEET 10 ↑

Sheep River

RS 38.62
RS 38.44
RS 38.25
RS 38.04
RS 37.89
RS 37.44
RS 32.51
RS 32.42
RS 32.00
RS 31.68
RS 31.27
RS 30.67
RS 30.41
RS 30.09
RS 29.78
RS 0
RS 0.31
RS 0.43
RS 0.53
RS 0.7
RS 0.91
RS 1.27
RS 1.329
RS 1.24
RS 1.47
RS 1.558
RS 1.71
RS 1.436

XS # SHP149
XS # SHP150
XS # SHP151
XS # SHP152
XS # SHP153
XS # SHP154
XS # SHP155
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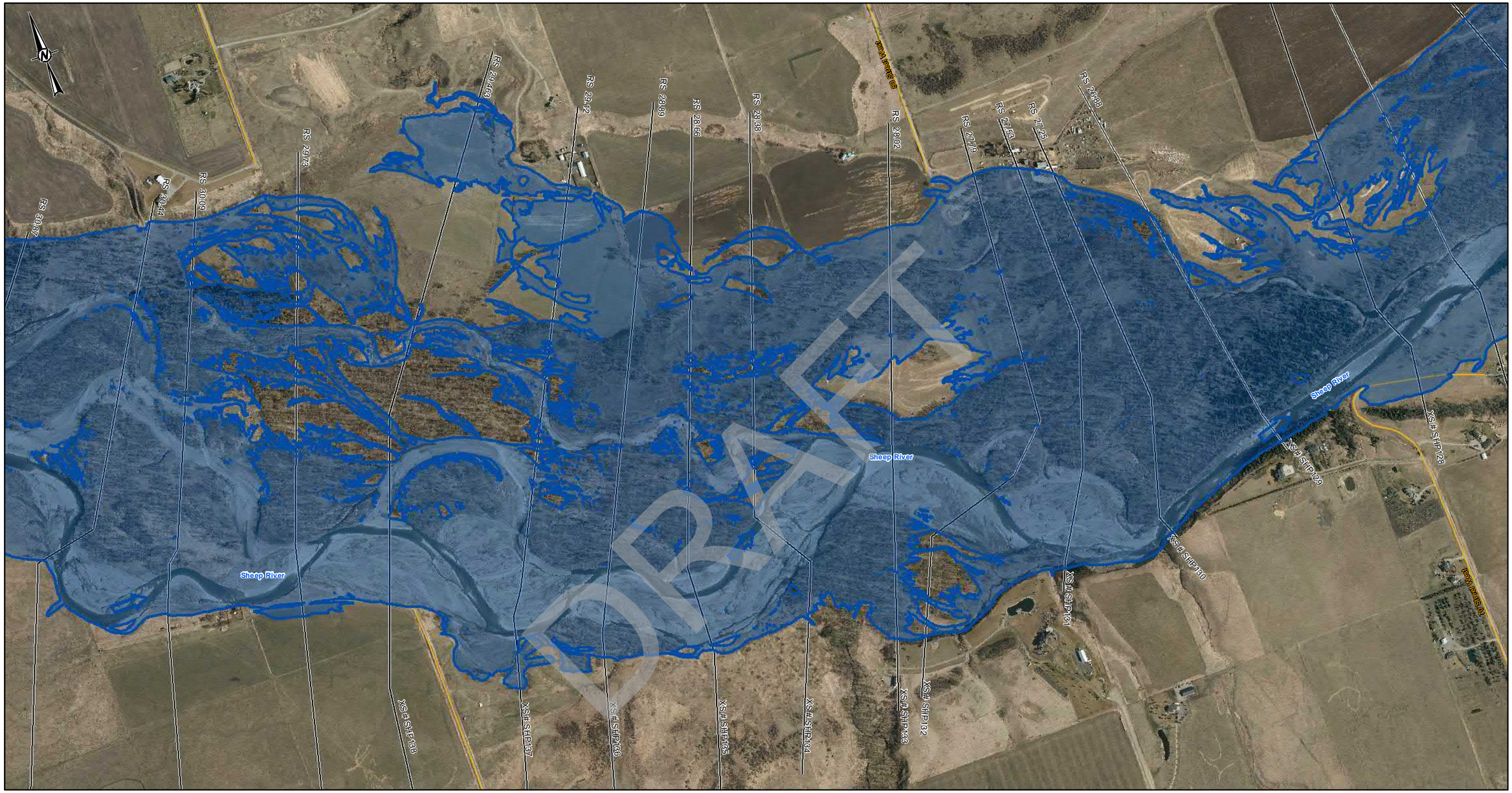
XS # SHP160
XS # SHP161
XS #

SHEET 9 ↑

SHEET 11 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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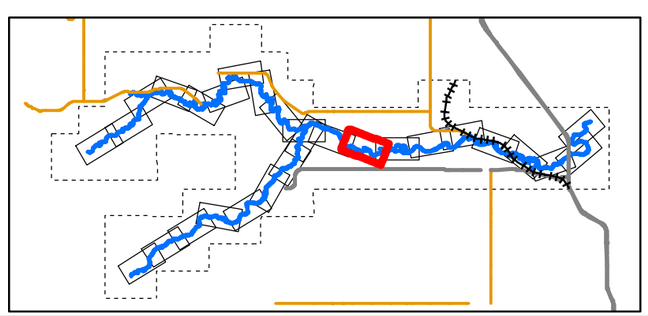
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1020 m^3/s



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 10 of 28

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

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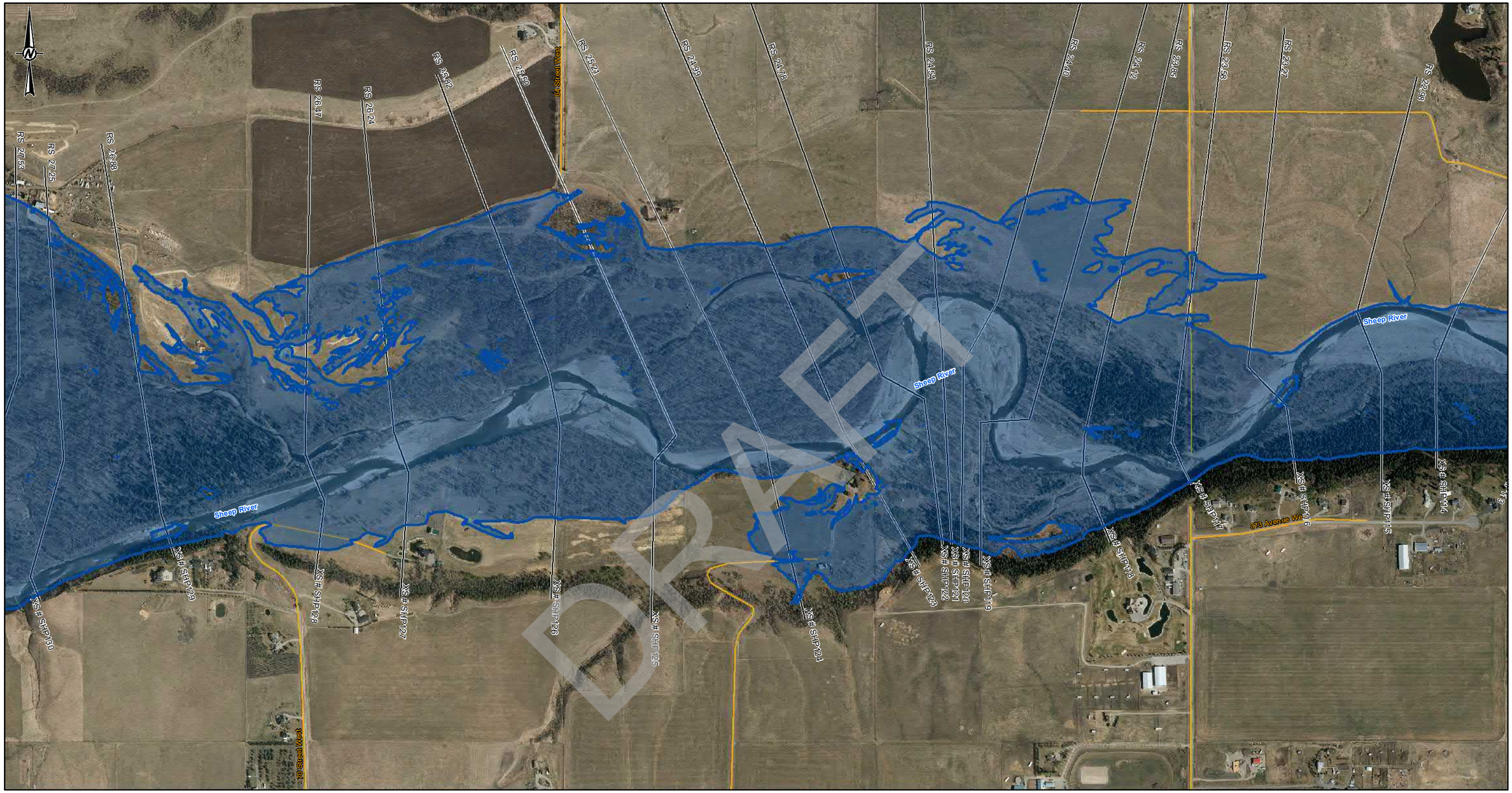
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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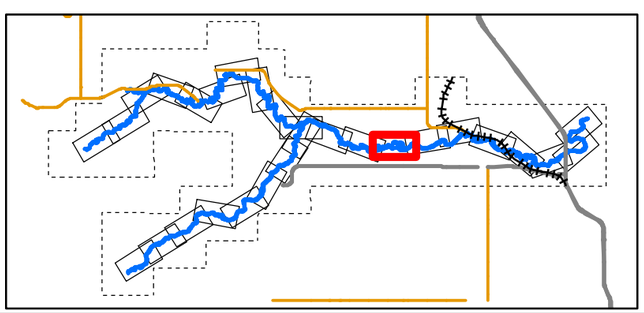
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1020 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 11 of 28

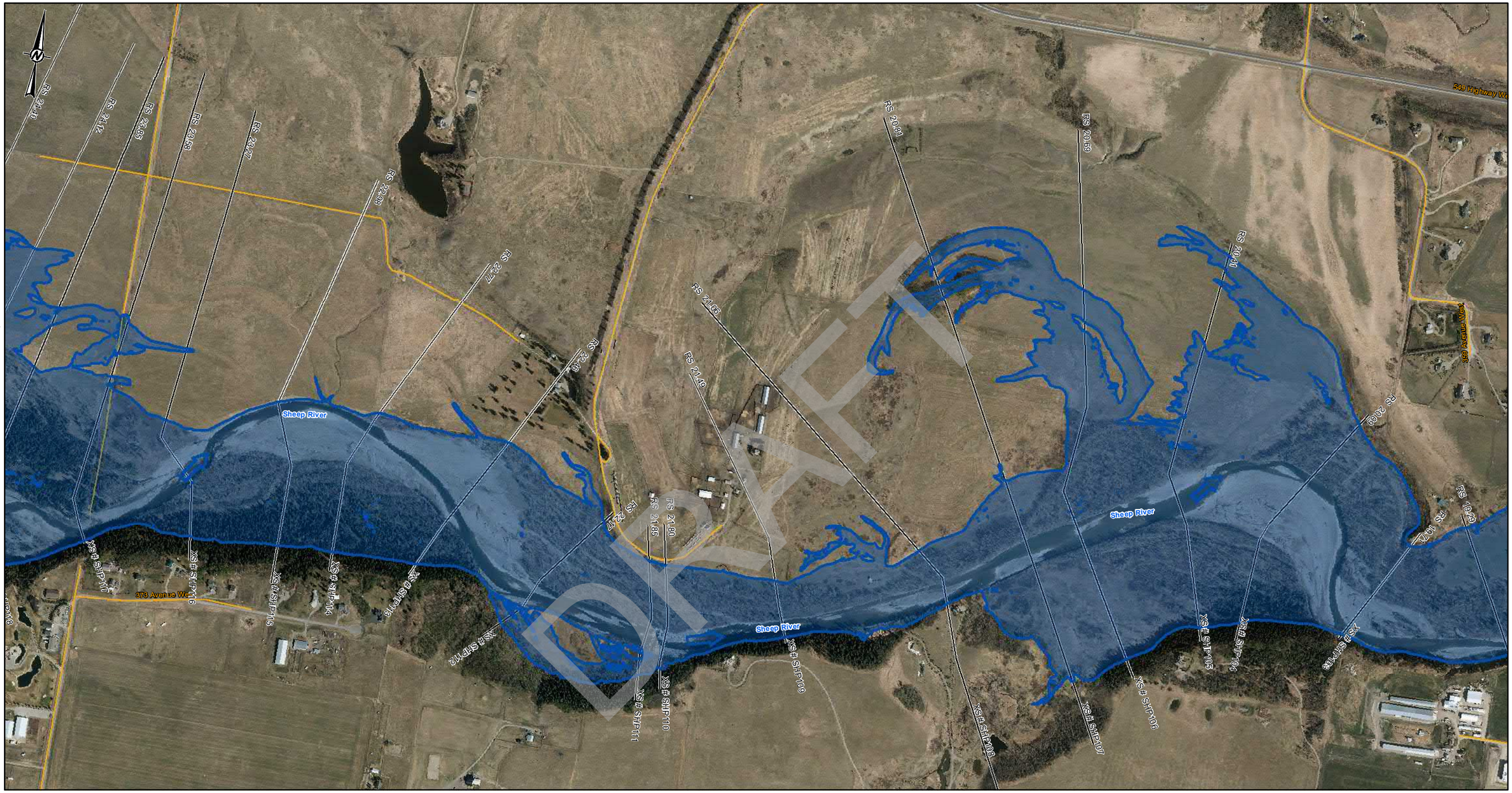
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

Classification: Public

SHEET 11 ↑

SHEET 13 ↑



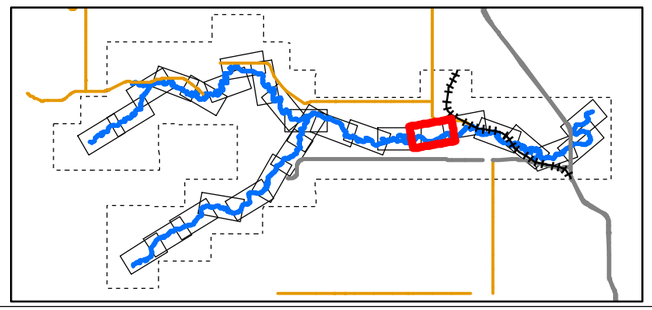
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1020 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 12 of 28

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

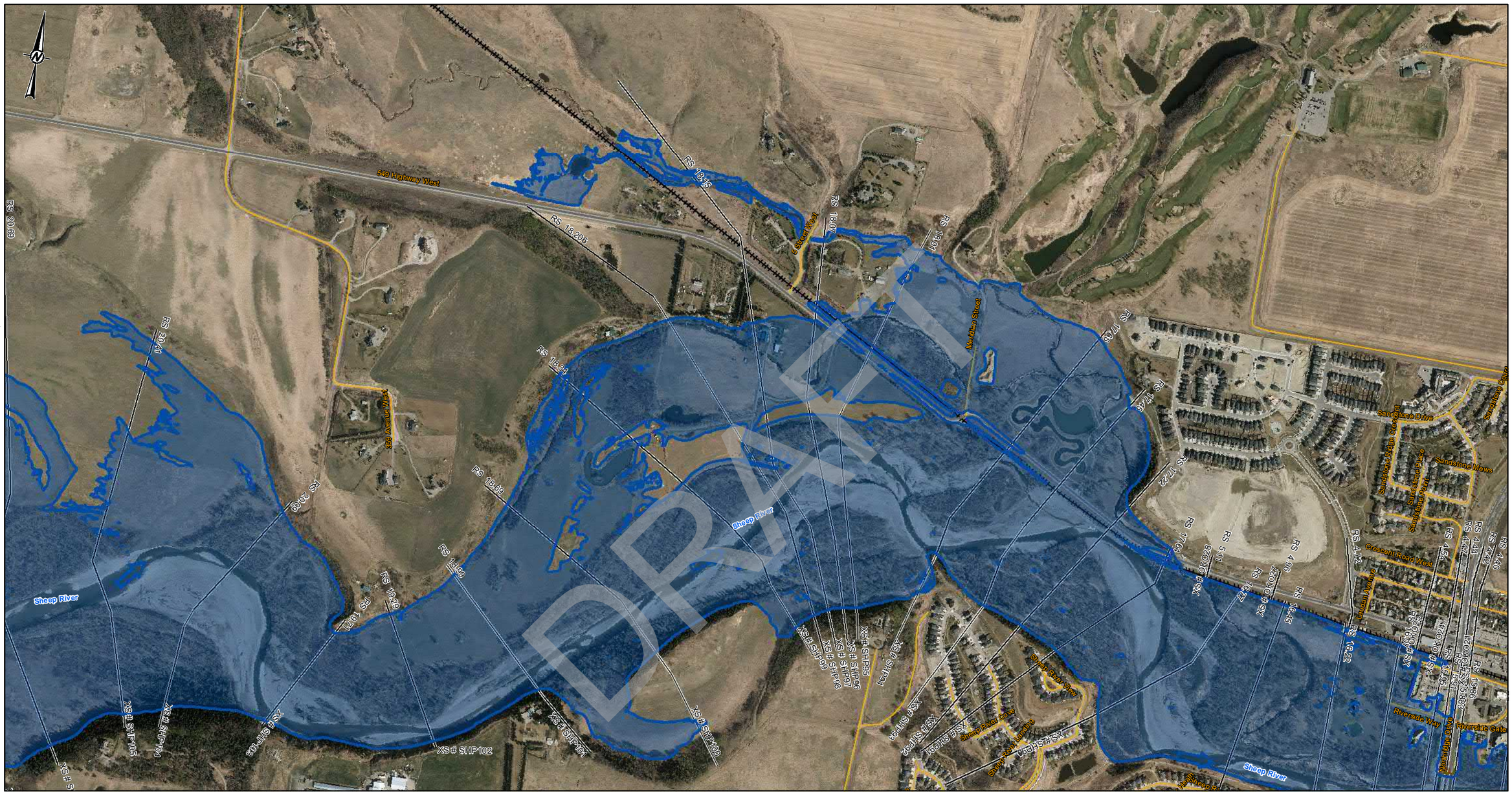
0 2cm

DRAFT

Classification: Public

SHEET 12 ↑

SHEET 14 ↑



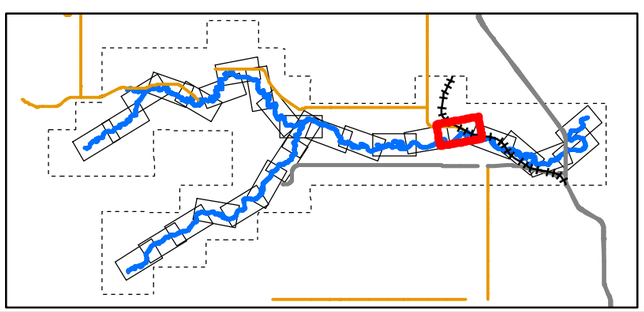
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1020 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 13 of 28

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
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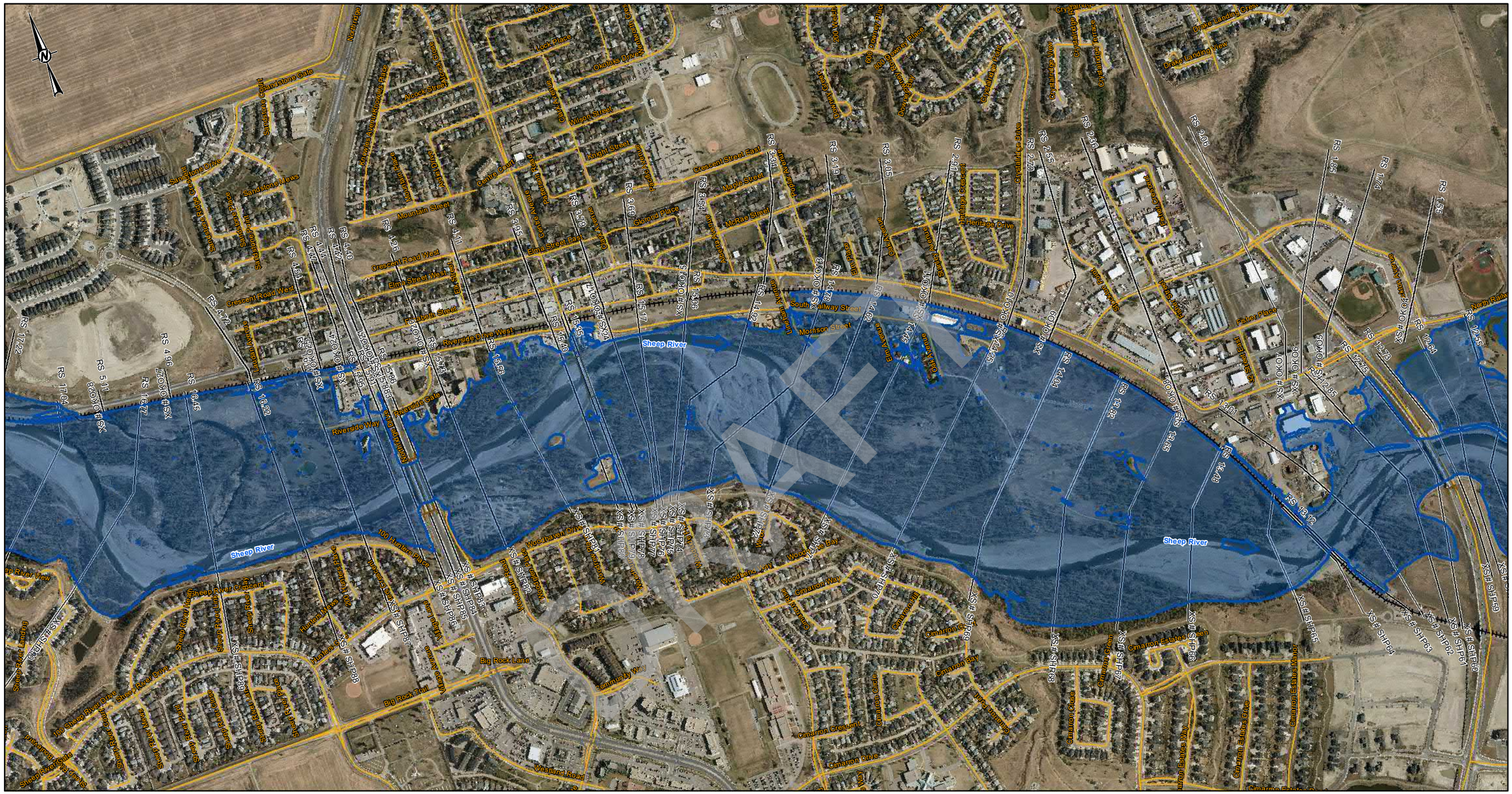
\\cgydata01\projects\WATERPOWER\12545\03\SPECIALIST_APPS\MEP_SHEEP_RIVER_FHS_20210\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

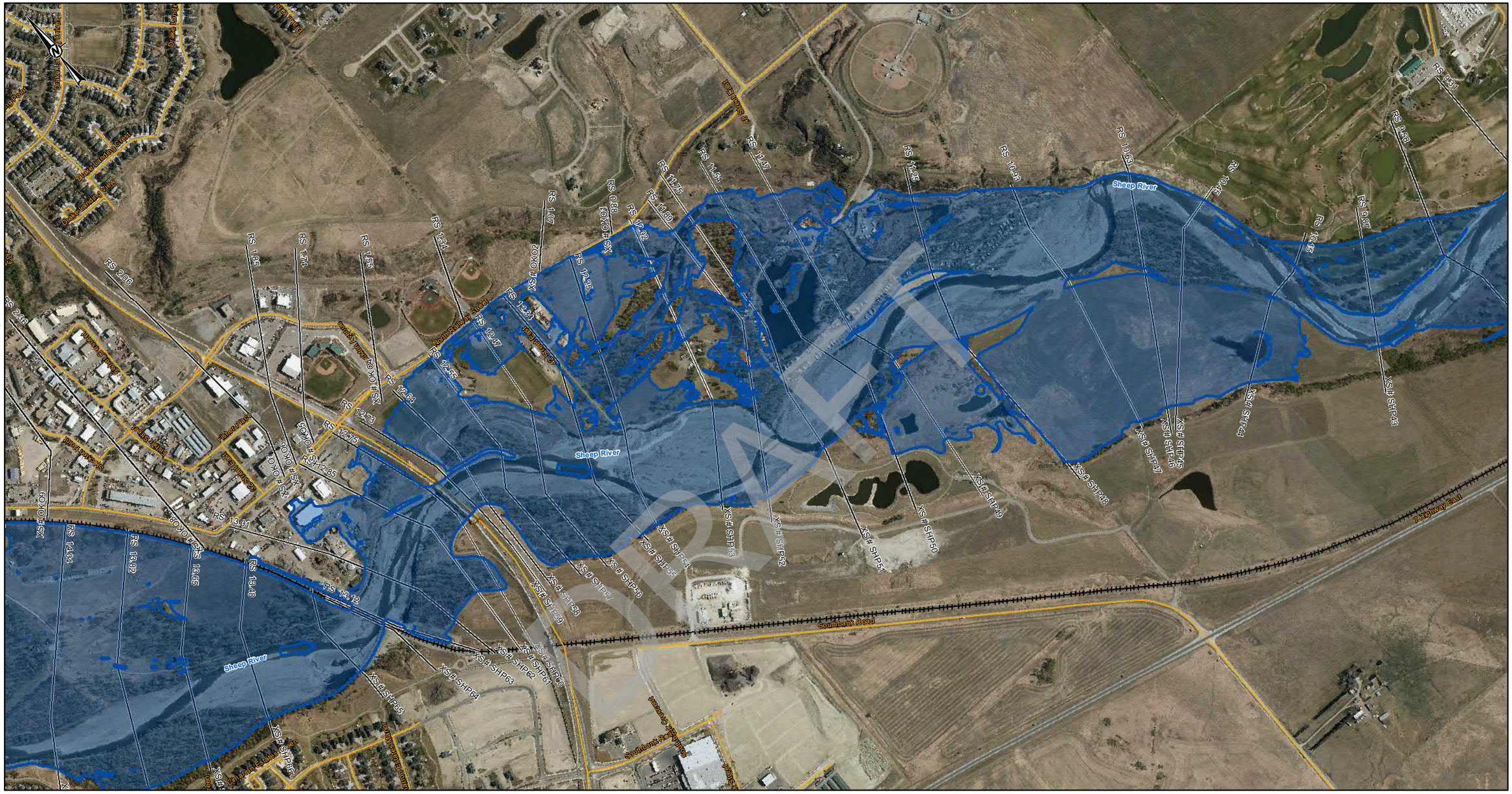
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Big Rock Lane
Riverside Way
Riverside Gate
Riverside Place
Riverside Drive
Riverside Crescent
Riverside Close
Riverside Bay
Riverside Avenue
Riverside Alley
Riverside Landing
Riverside Green
Riverside Estates Way
Riverside Estates Place
Riverside Estates Green
Riverside Estates Drive
Riverside Estates Close
Riverside Estates Bay
Riverside Estates Alley
Riverside Estates
Riverside Crescent
Riverside Close
Riverside Bay
Riverside Avenue
Riverside Alley
Riverside Landing
Riverside Green
Riverside Estates Way
Riverside Estates Place
Riverside Estates Green
Riverside Estates Drive
Riverside Estates Close
Riverside Estates Bay
Riverside Estates Alley
Riverside Estates
Riverside Crescent
Riverside Close
Riverside Bay
Riverside Avenue
Riverside Alley
Sheep River Landing
Sheep River View
Sheep River Gate
Sheep River Drive
Sheep River Crescent
Sheep River Close
Sheep River Bay
Sheep River Avenue
Sheep River Alley
Sheep River Landing
Sheep River View
Sheep River Gate
Sheep River Drive
Sheep River Crescent
Sheep River Close
Sheep River Bay
Sheep River Avenue
Sheep River Alley
Sandstone Gate
Sandstone Drive
Sandstone Crescent
Sandstone Close
Sandstone Bay
Sandstone Avenue
Sandstone Alley
Sandstone Landing
Sandstone Green
Sandstone Estates Way
Sandstone Estates Place
Sandstone Estates Green
Sandstone Estates Drive
Sandstone Estates Close
Sandstone Estates Bay
Sandstone Estates Alley
Sandstone Estates

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
Northbank Road
Southbank Roadway
Cimaron Estates Drive
Cimaron Estates Drive
Cimaron Estates Drive

SHEET 15 ↑

SHEET 17 ↑

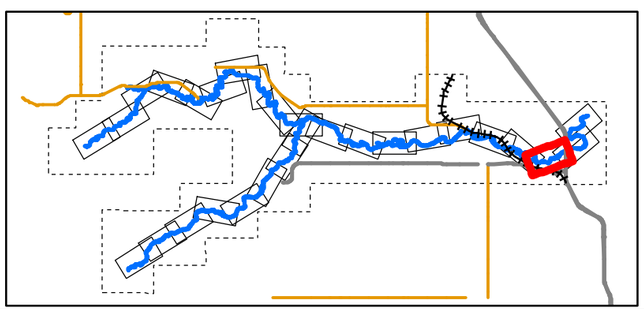
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1070 m^3/s



0 50 100 200 300 400
1:503,955 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 16 of 28

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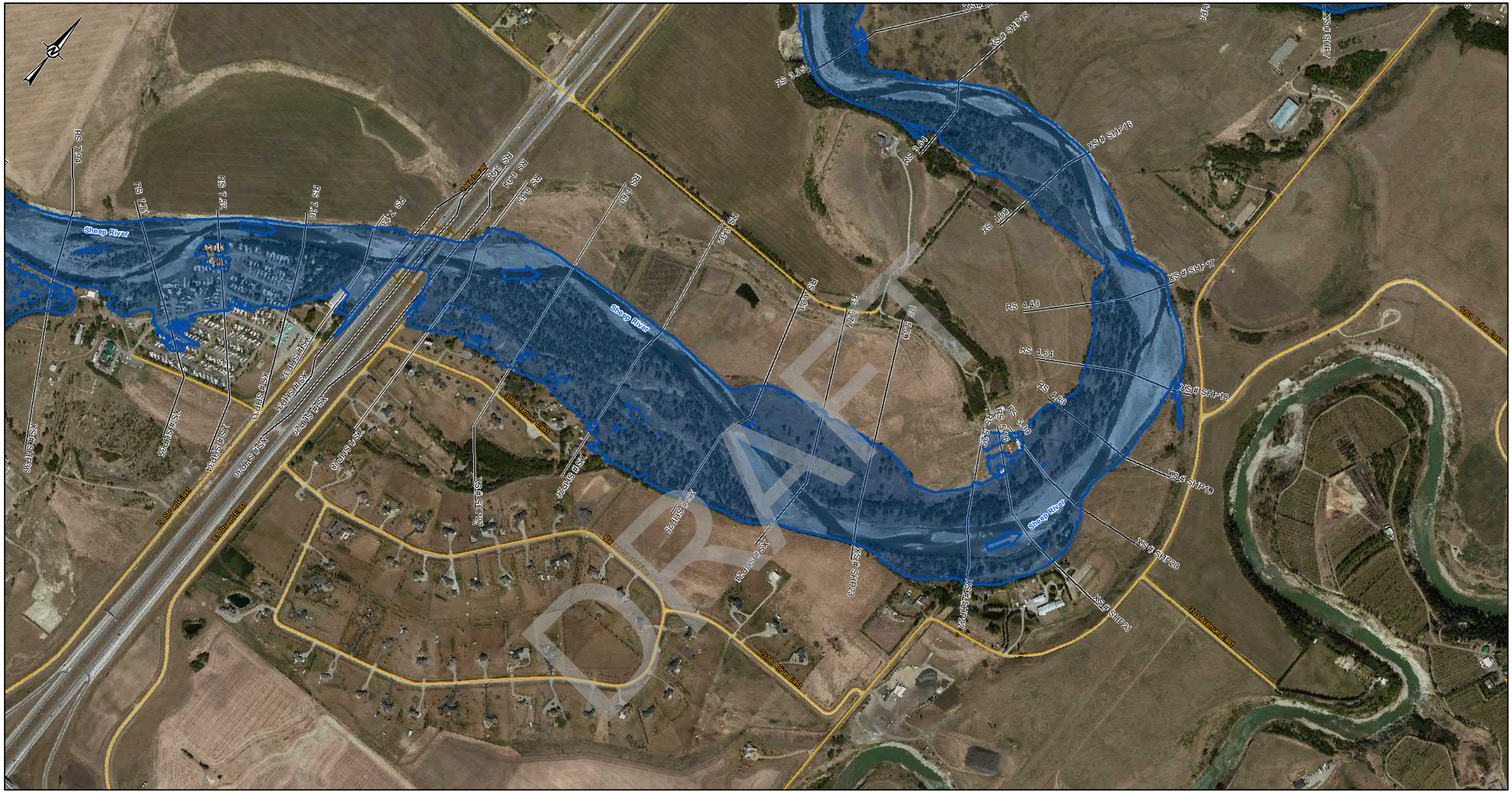
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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- BRIDGES
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50-YEAR FLOOD INUNDATION EXTENT

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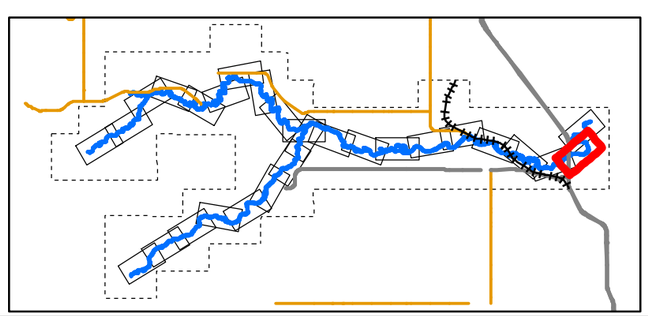
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1070 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

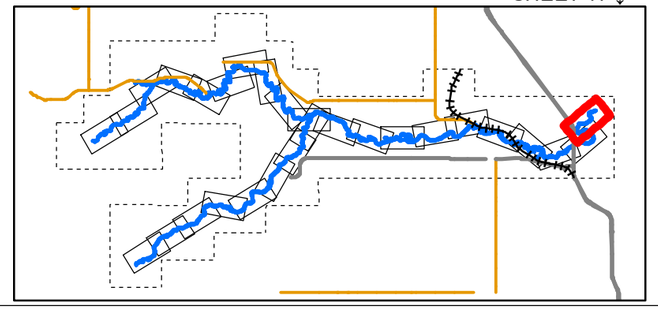
PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 17 of 28

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

0 2cm

Classification: Public

SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1070 m^3/s

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 18 of 28

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

25mm

0

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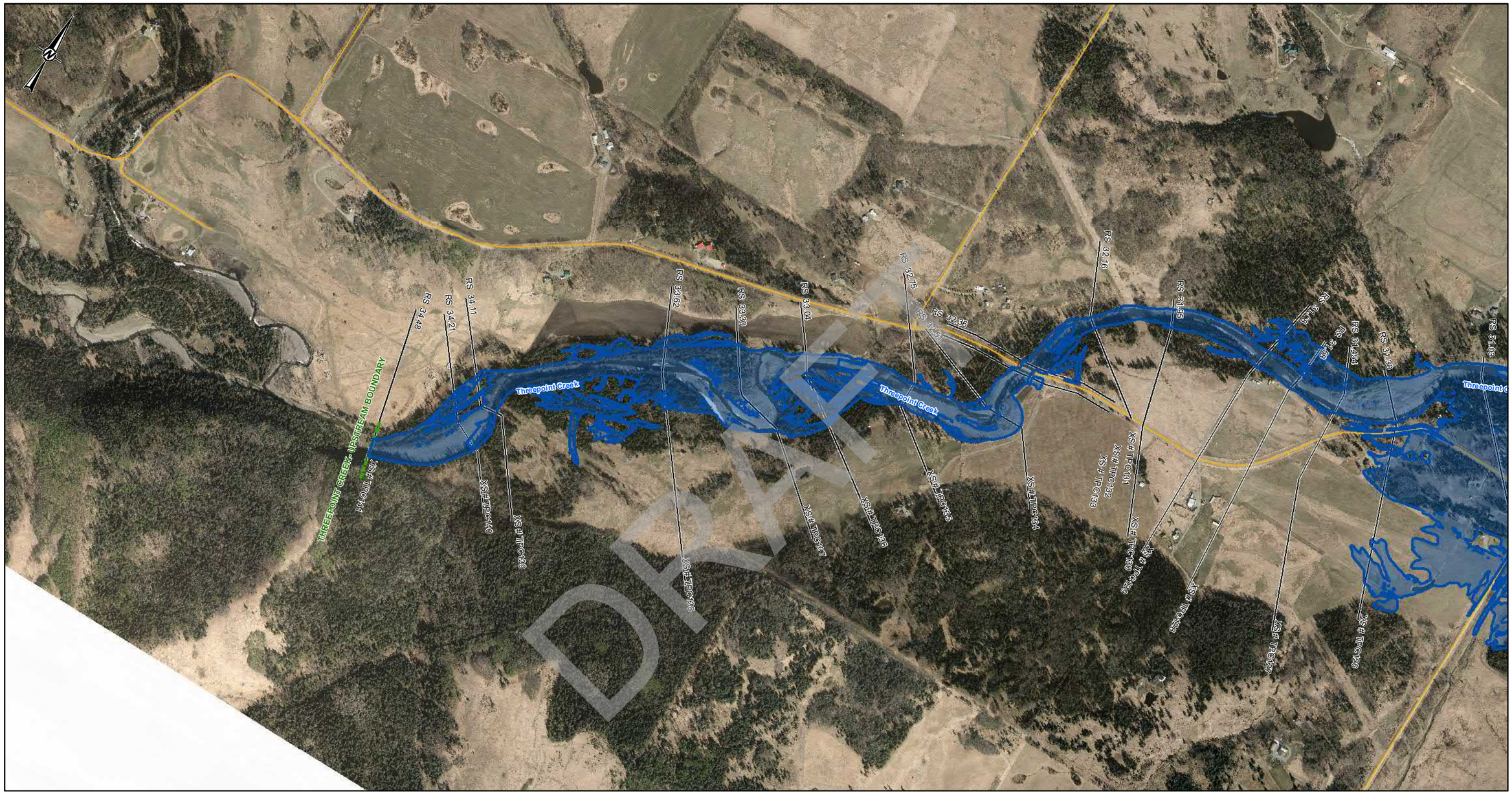
Classification: Public



SHEET 20 ↑

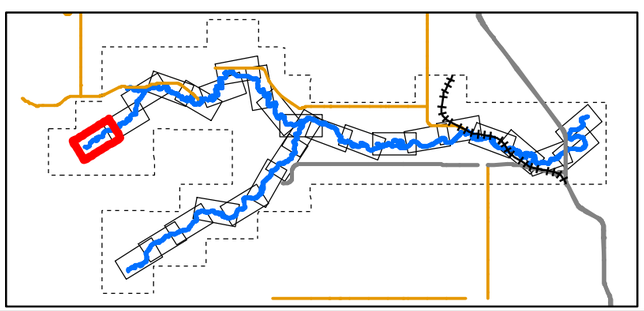
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 187.4 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 19 of 28

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

25mm

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

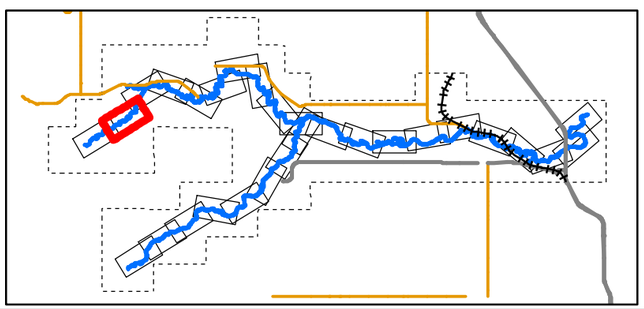
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 187.4 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 20 of 28

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

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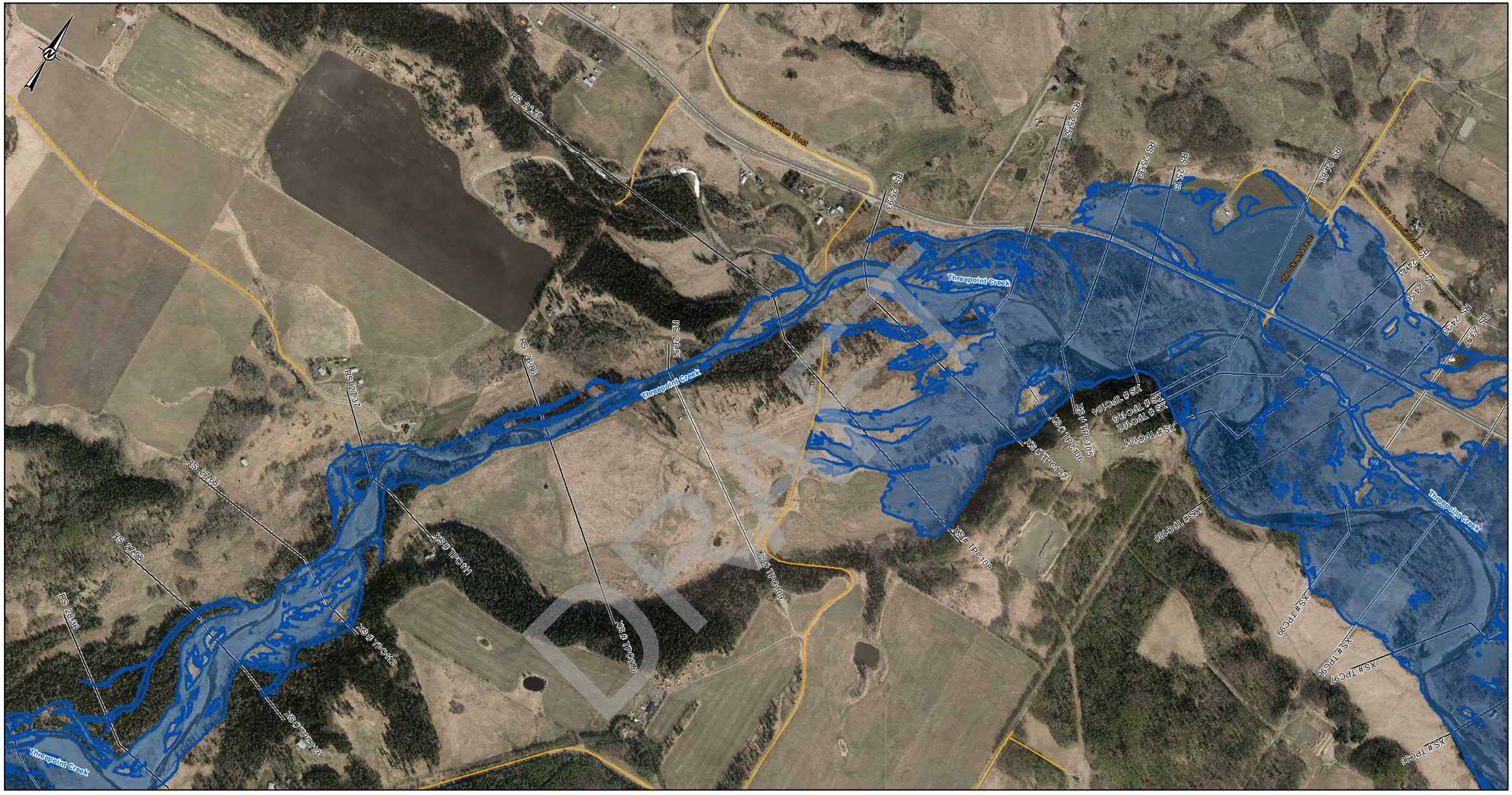
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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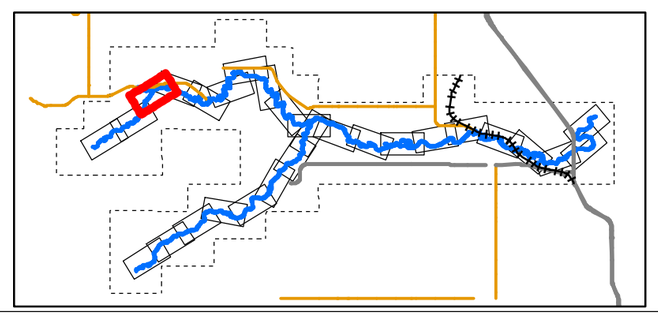
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 187.4 m^3/s
THREEPOINT CREEK= 368 m^3/s (DS- RS 25.93)



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 21 of 28

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25mm

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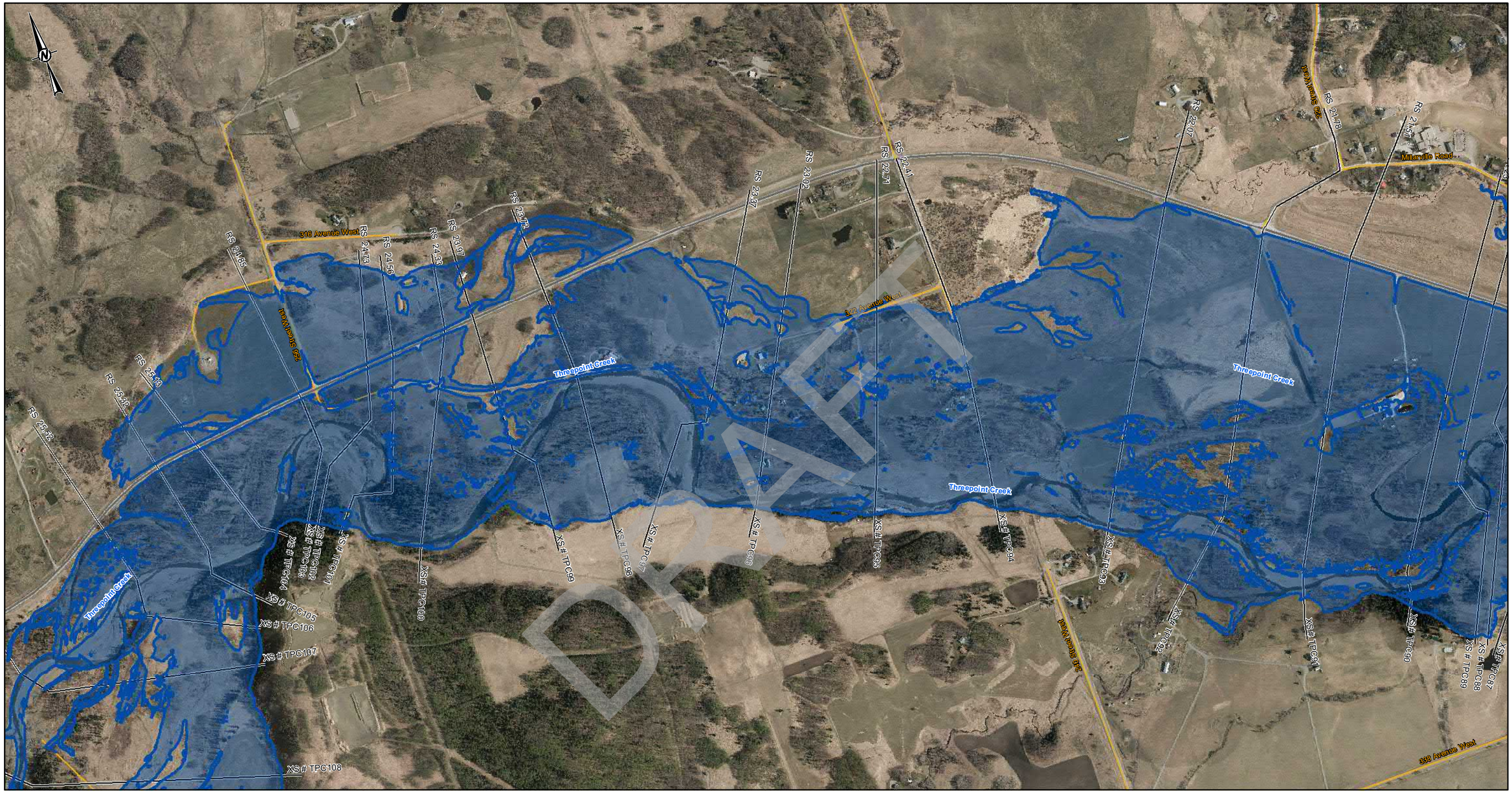
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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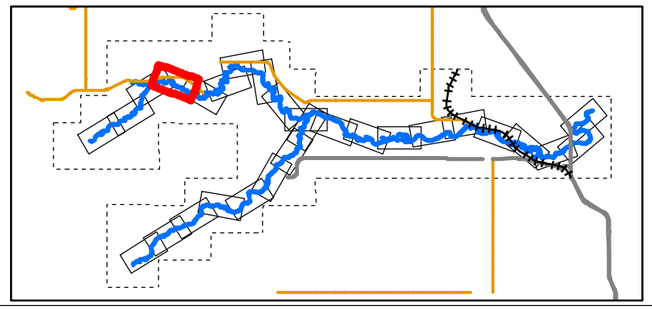
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 368 m^3/s



0 50 100 200 300 400
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CLIENT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 22 of 28

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25mm

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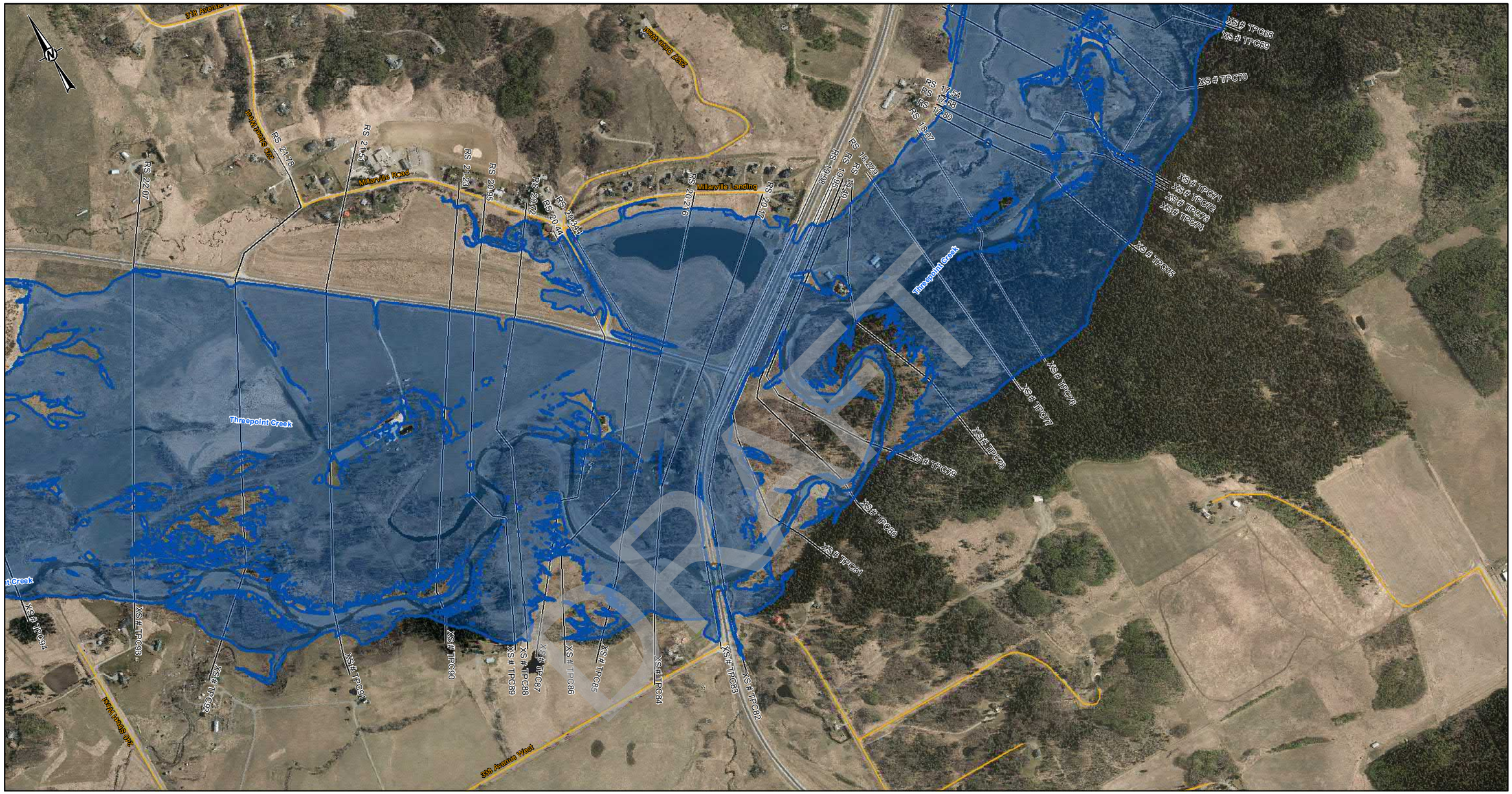
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



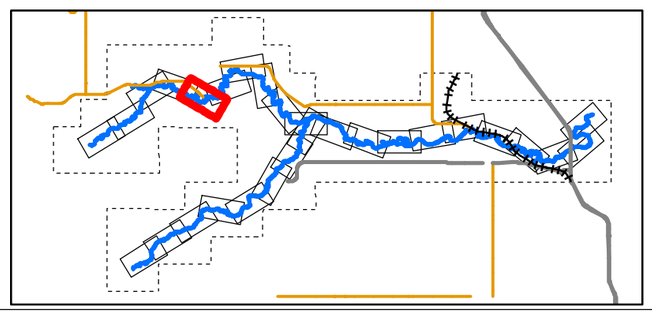
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 368 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 23 of 28

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

0 25mm

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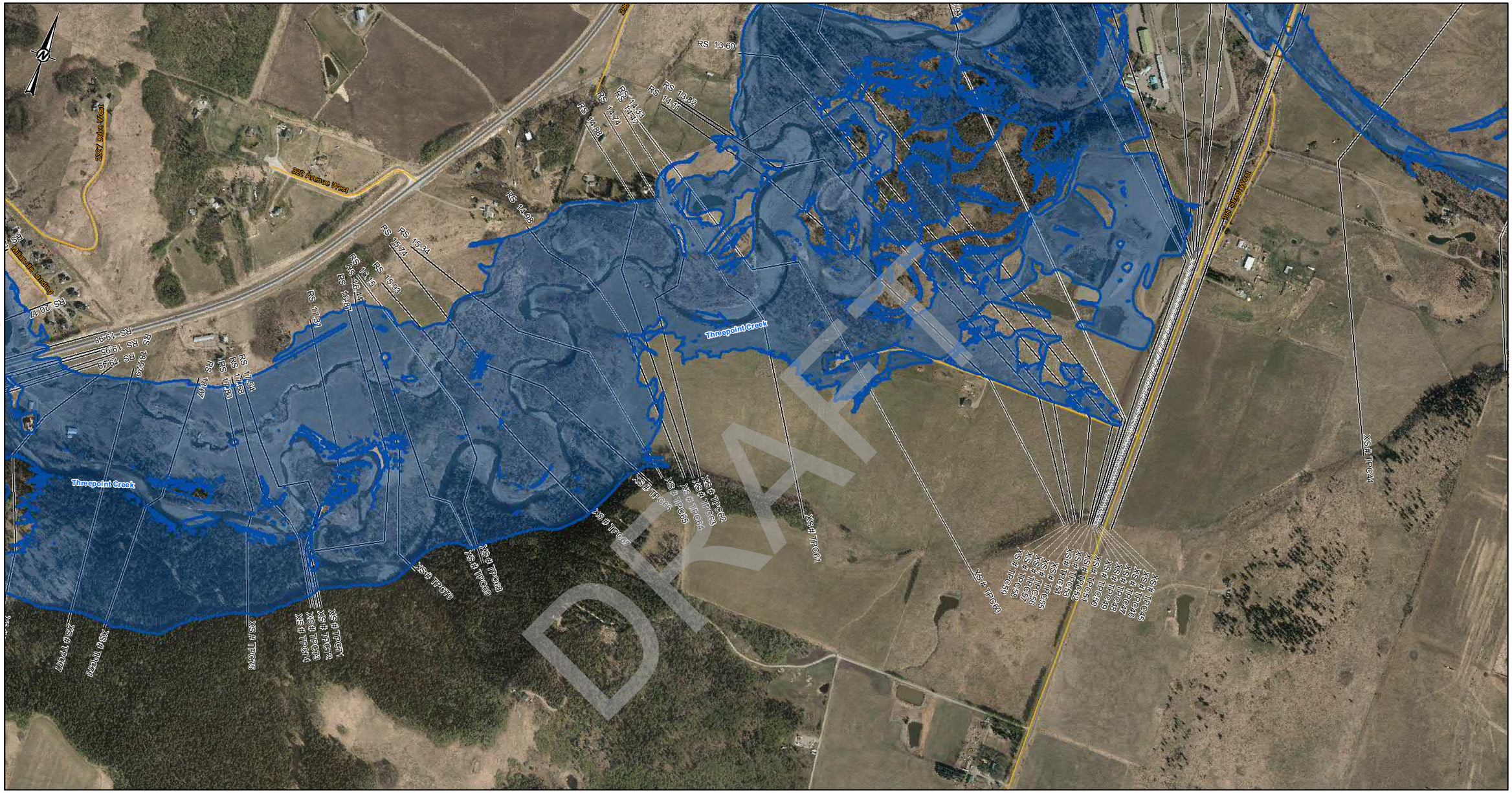
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

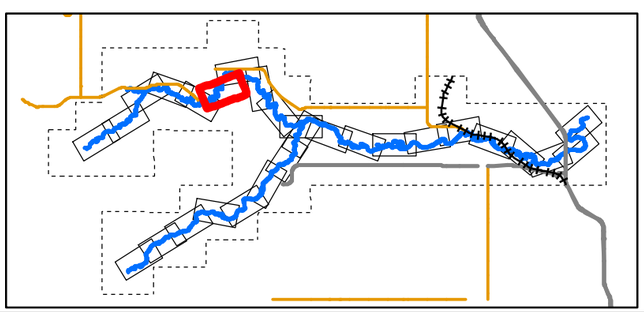
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 368 m^3/s
THREEPOINT CREEK= 457 m^3 (DS- RS 14.98)



0 50 100 200 300 400
1:10,000 METRES

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ALBERTA ENVIRONMENT AND PARKS

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 24 of 28

Classification: Public

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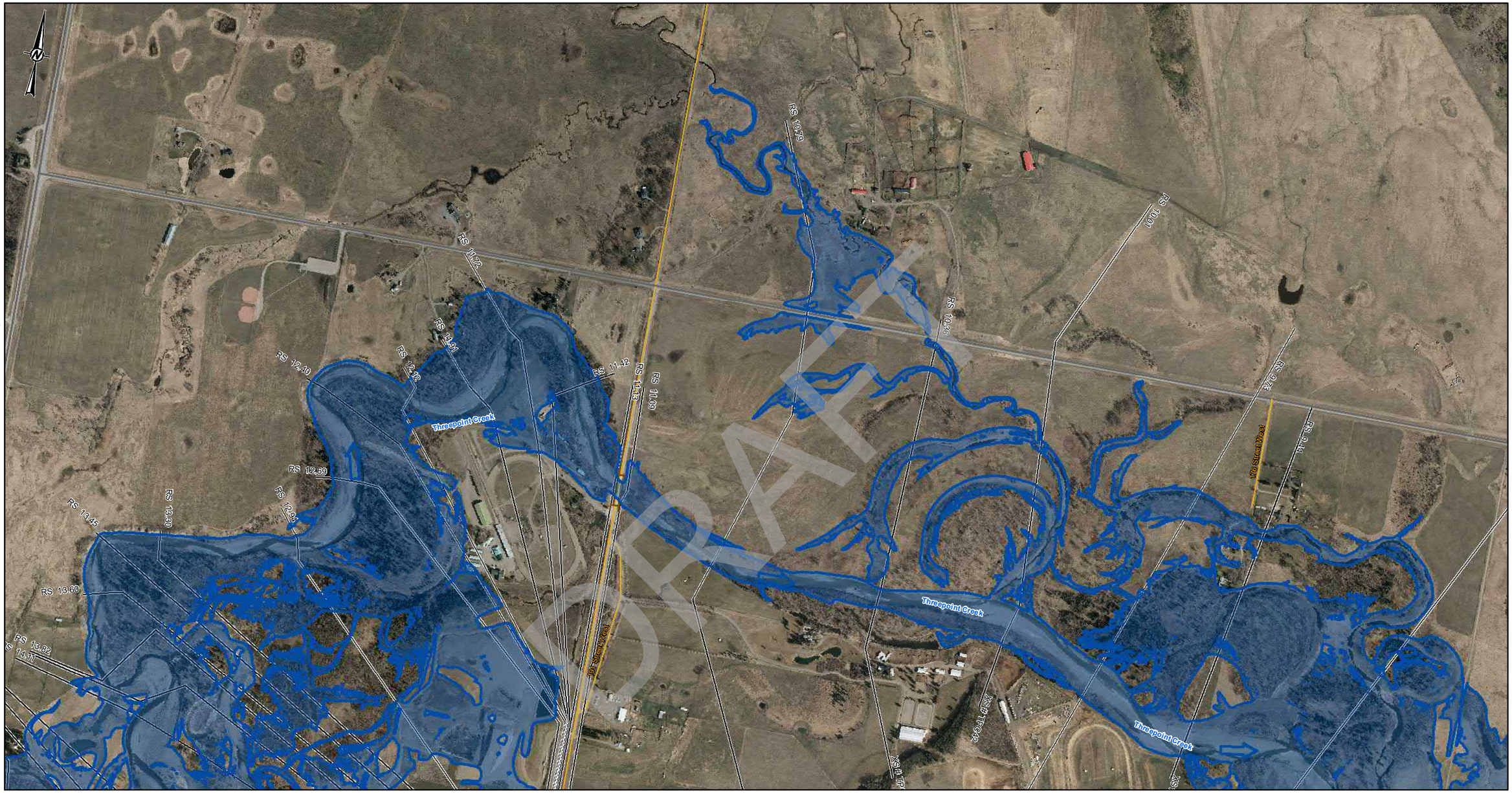
SHEET 24 ↑



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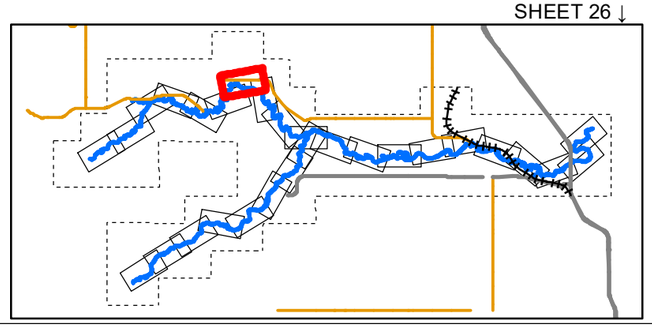

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 457 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 25 of 28

DRAFT

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25mm
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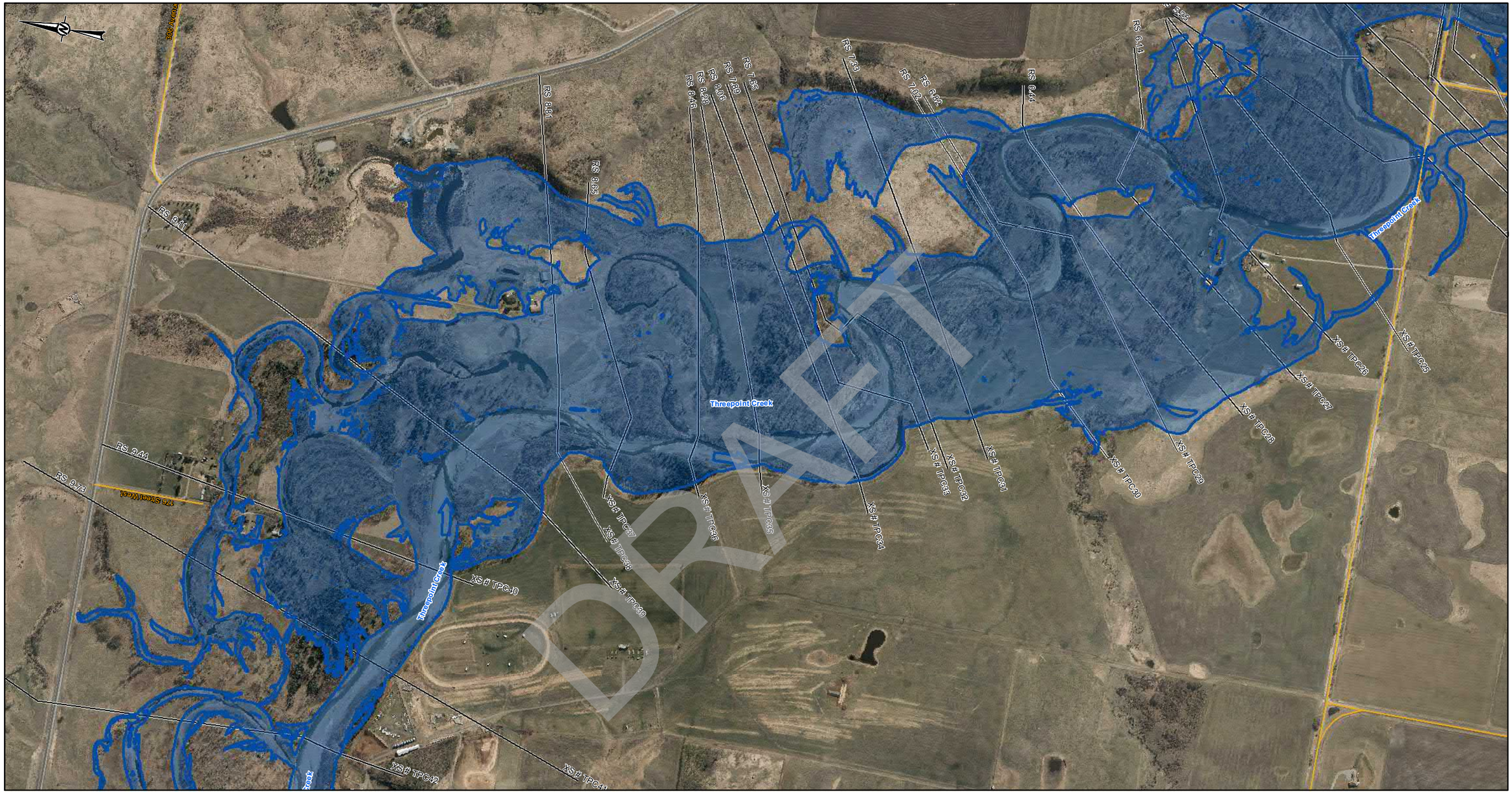
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



DRAFT

LEGEND

- CROSS SECTION
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- STUDY BOUNDARY
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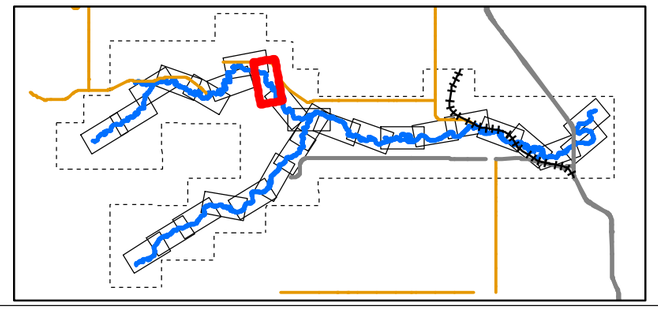
50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 457 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 26 of 28

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25mm
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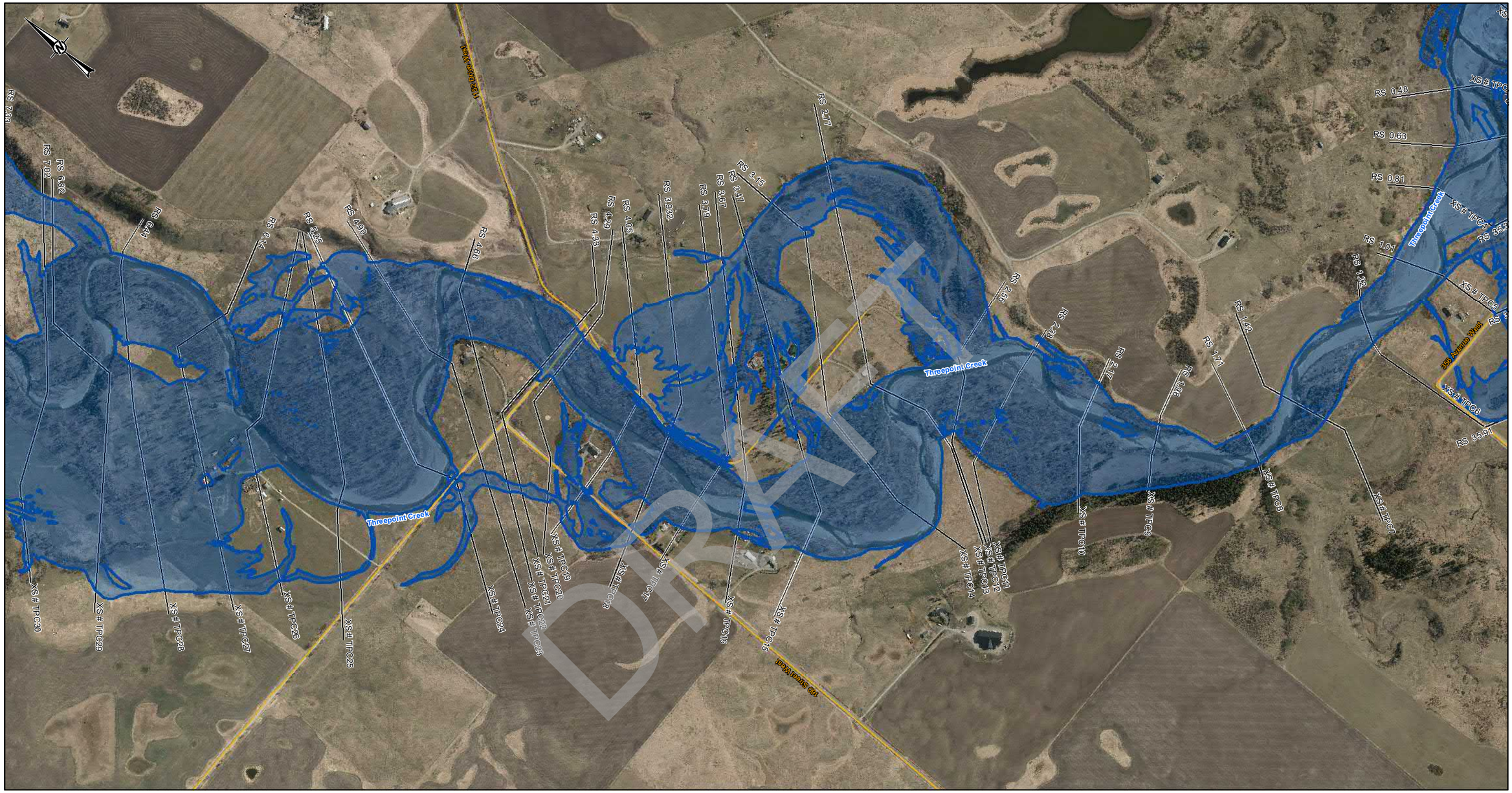
Classification: Public

SHEET 26 ↑

SHEET 28 ↑



DRAFT

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50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
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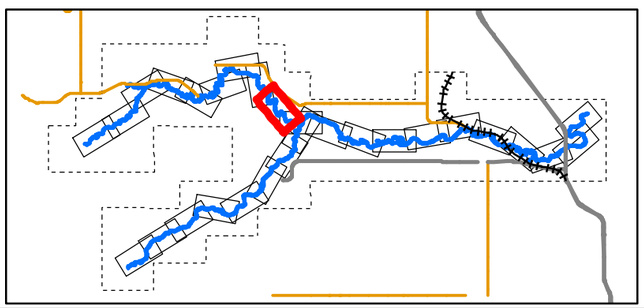

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TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 27 of 28

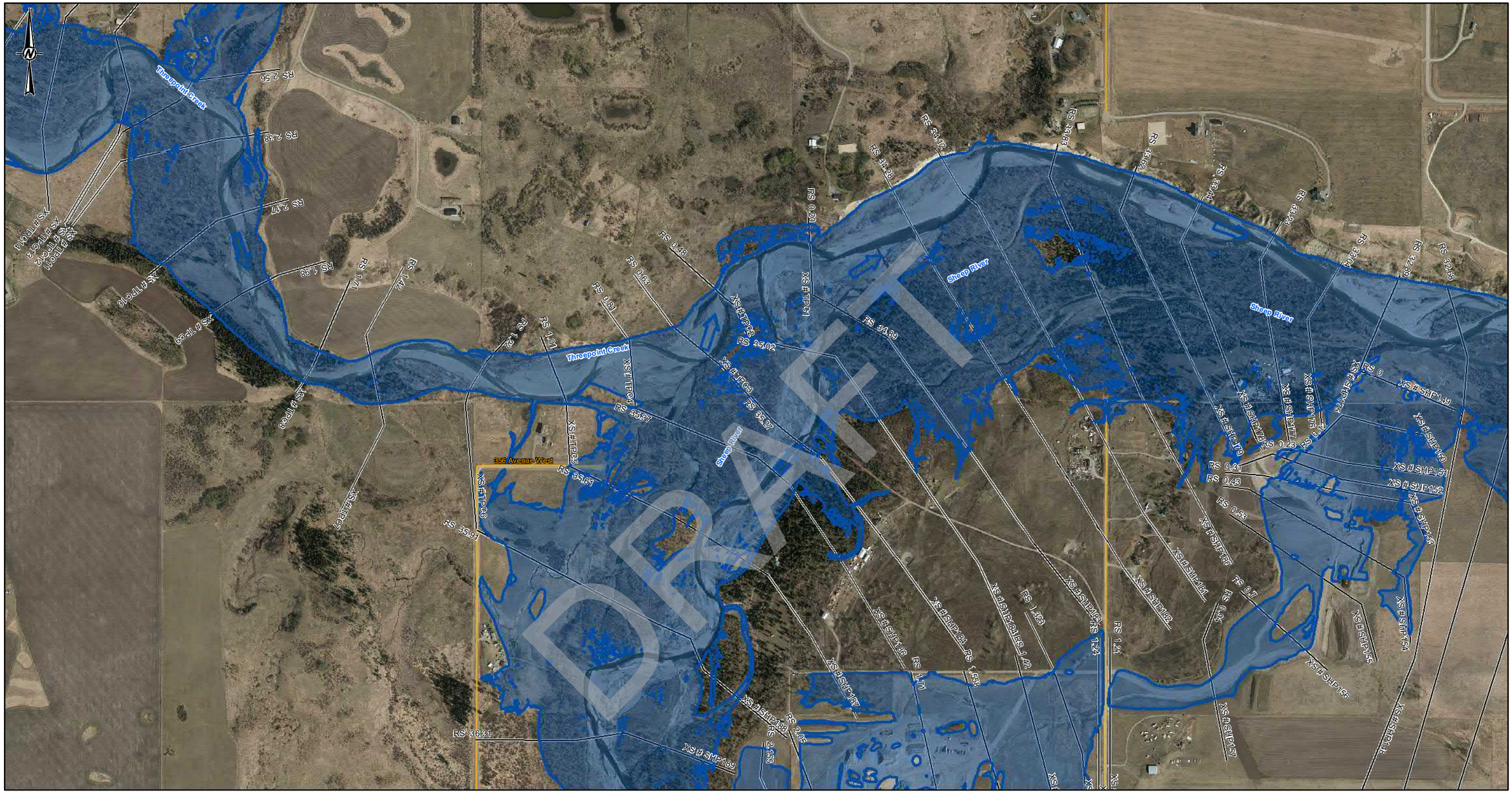
Classification: Public

\\cgyfatal01\projects\WATERPOWER\12545\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX_AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

SHEET 27 ↑

SHEET 9 ↑



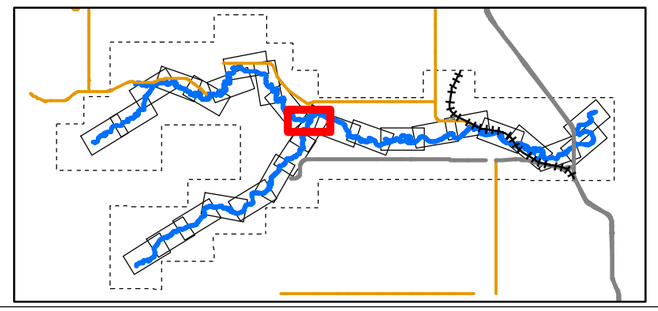
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

50-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 457 m ^{3}/s
SHEEP RIVER= 576 m^3/s
SHEEP RIVER= 1033 m ^{3}/s (DS- RS 34.28)



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

CLIENT
ALBERTA ENVIRONMENT AND PARKS

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
50- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0006-3333	0	Sheet 28 of 28

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

25mm

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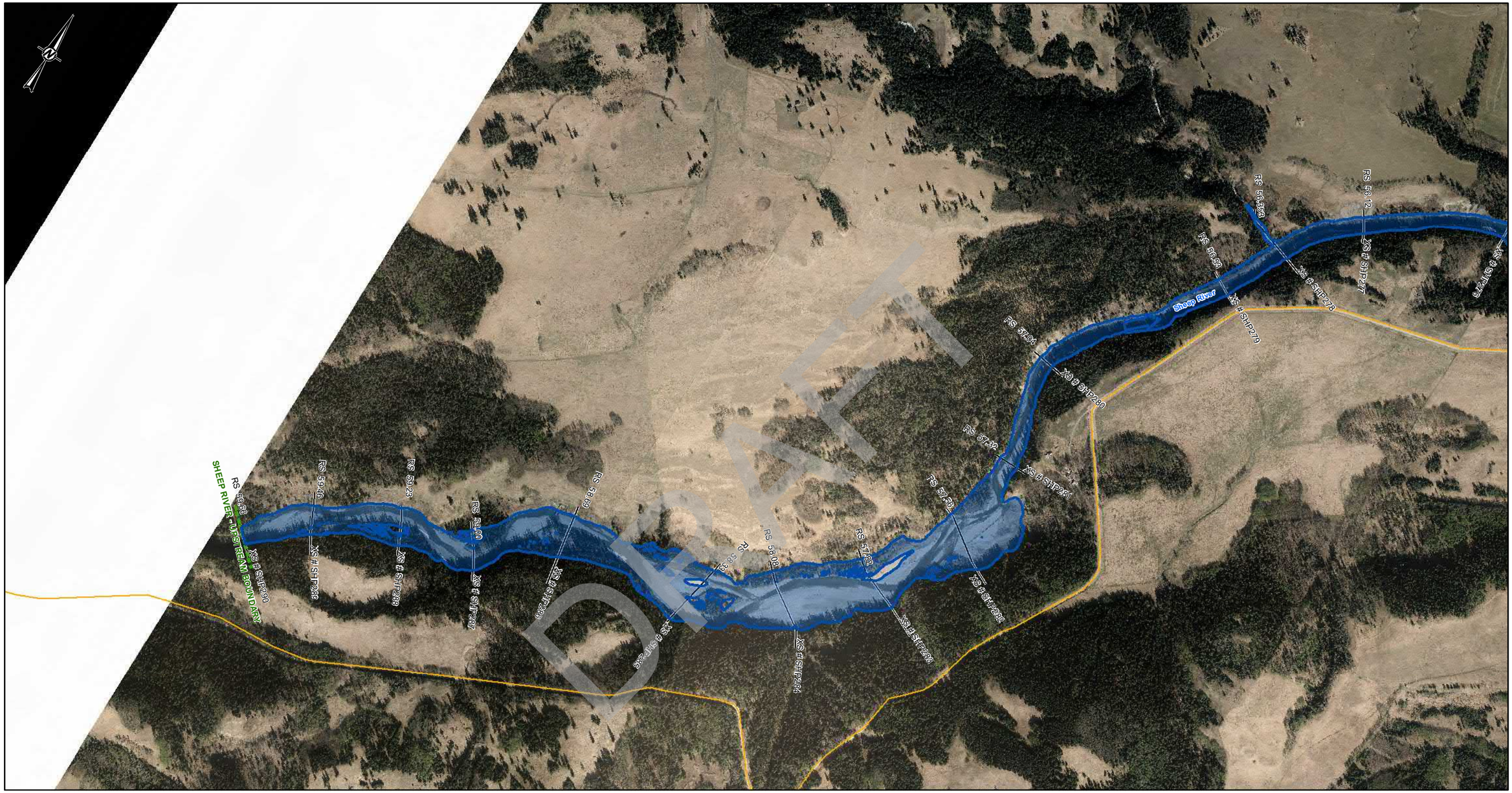
Classification: Public

75-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

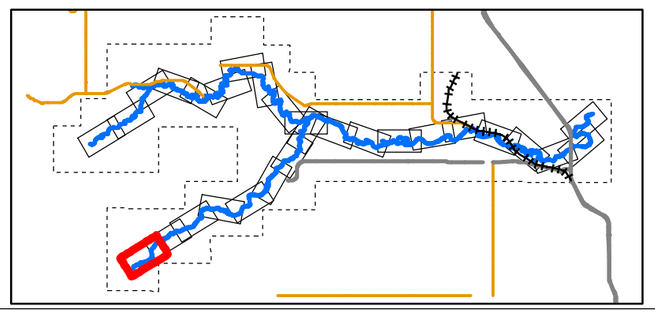
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 1 of 28

DRAFT

C:\Users\ajaffal01\projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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0 25mm

Classification: Public

SHEET 1 ↑

SHEET 3 ↑

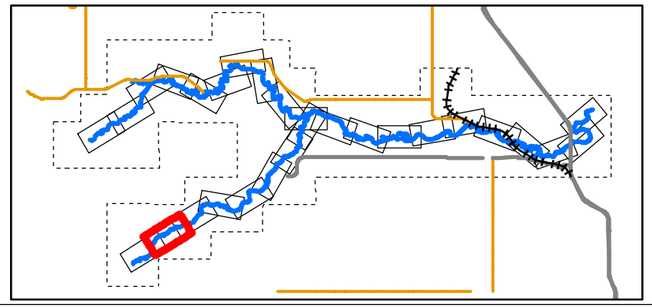
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



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CLIENT
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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 2 of 28

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0 25mm

Classification: Public

SHEET 2 ↑

SHEET 4 ↑

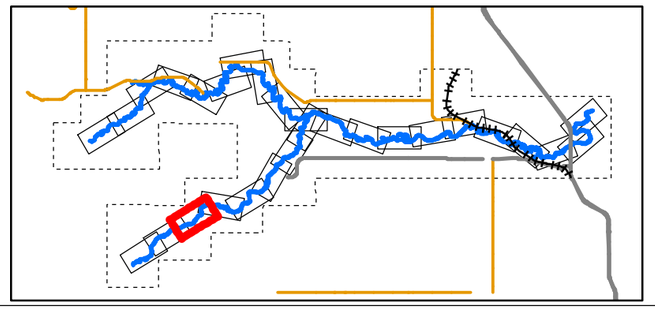
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



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CLIENT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 3 of 28

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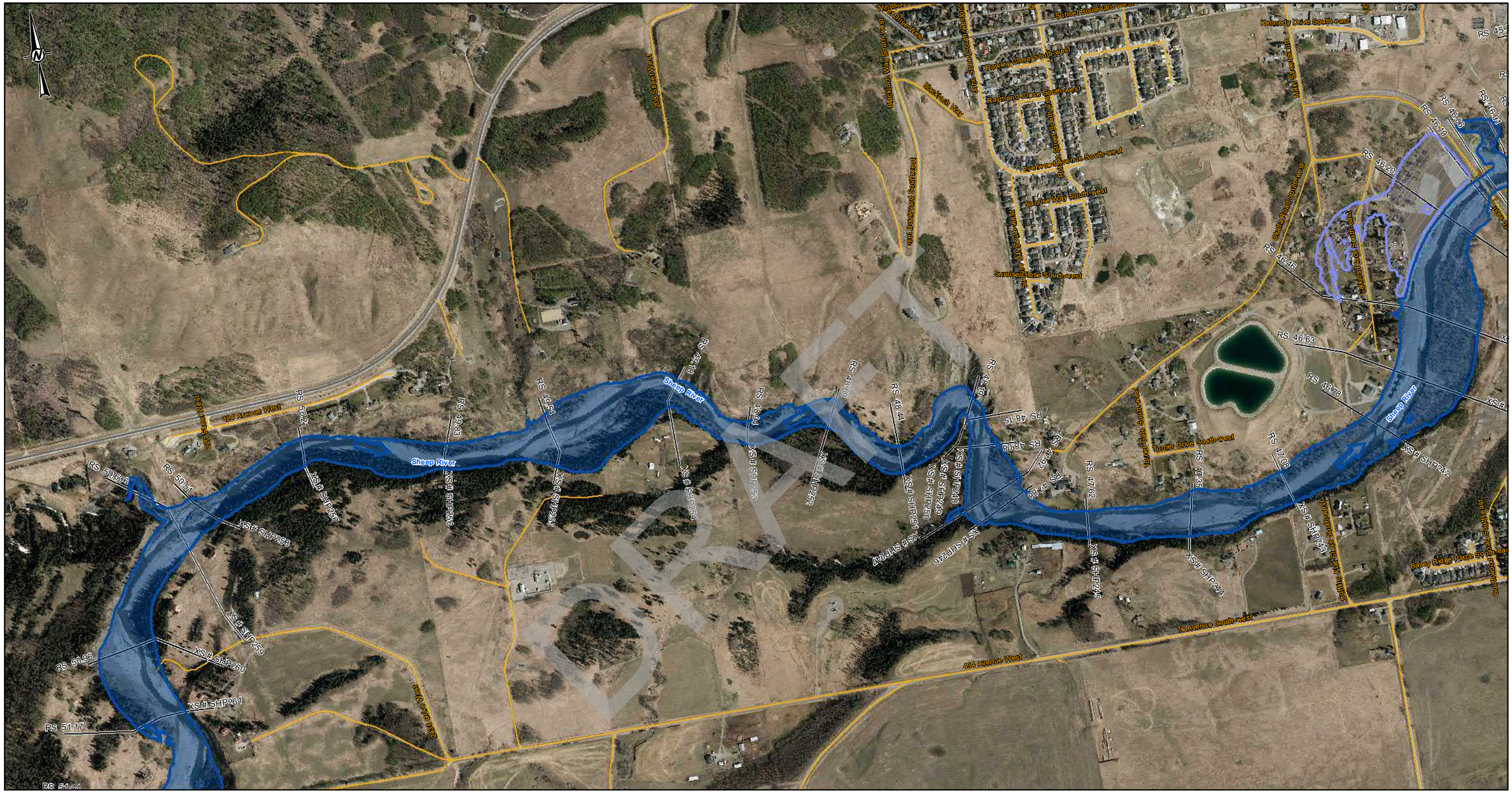
0 25mm

Classification: Public

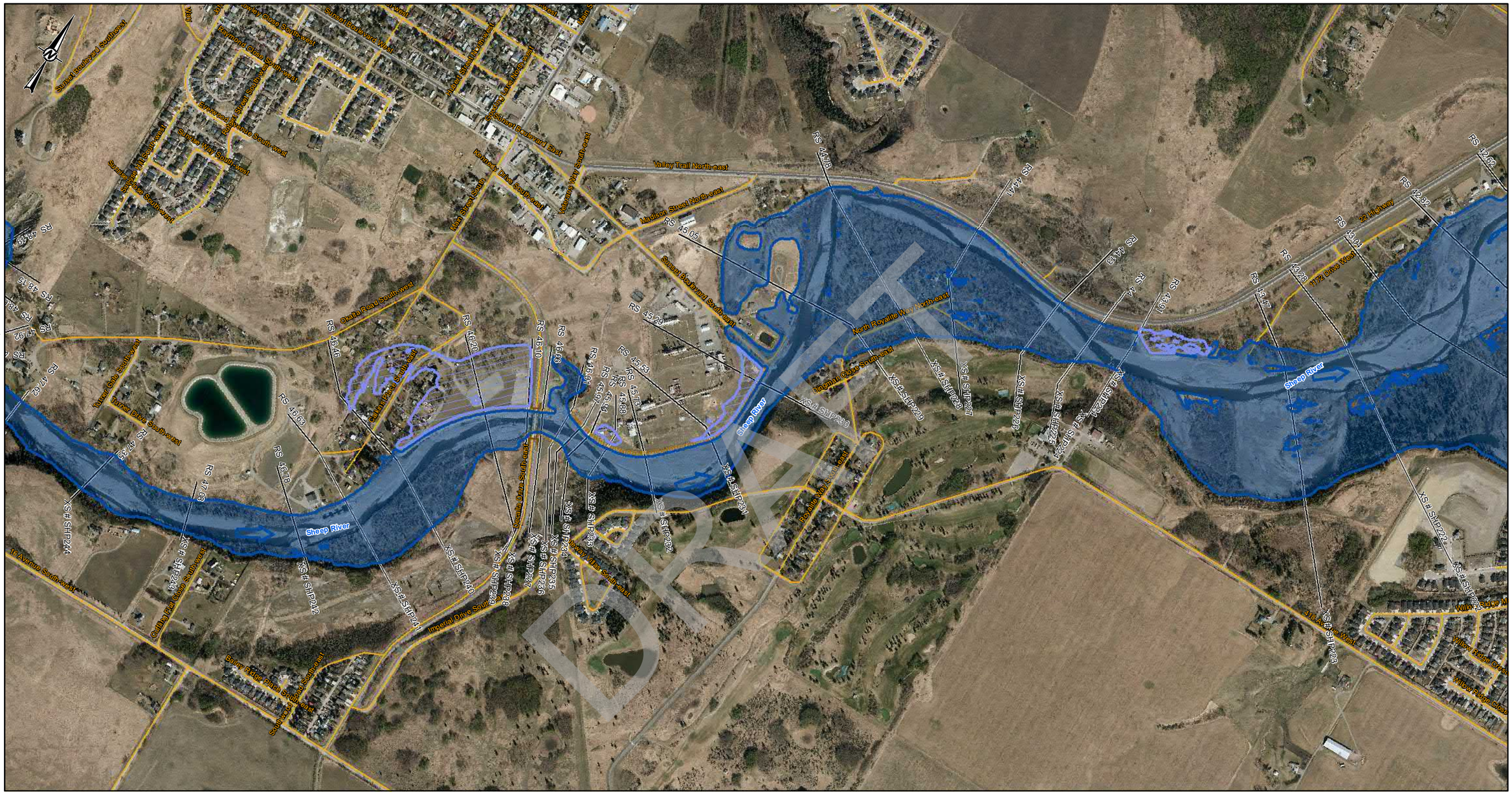
SHEET 3 ↑

SHEET 5 ↑


Sheep River
RS 49.84
RS 48.84
RS 48.41
RS 48.15
RS 48.08
RS 47.62
RS 47.36
RS 47.09
RS 46.79
RS 46.63
RS 46.46
RS 46.20
RS 46.10
RS 45.91
RS 50.21
RS 50.51
RS 50.99
RS 51.17
RS 51.44
XS# SHP257
XS# SHP258
XS# SHP259
XS# SHP260
XS# SHP261
XS# SHP262
XS# SHP263
XS# SHP264
XS# SHP265
XS# SHP266
XS# SHP267
XS# SHP268
XS# SHP269
XS# SHP270
XS# SHP271
XS# SHP272
XS# SHP273
XS# SHP274
XS# SHP275
XS# SHP276
XS# SHP277
XS# SHP278
XS# SHP279
XS# SHP280
XS# SHP281
XS# SHP282
Kennedy Drive South-east
Sunset Boulevard West
Rowley Close South-west
Raymond Close South-west
Evelyn Way South-west
Sunrise Way South-west
Sunrise Close South-west
Blackfoot Way
Windsor Park Boulevard West
Windsor Park Close West
Windsor Park Drive West
Windsor Park Way
Windsor Park Crescent West
Windsor Park Avenue West
Windsor Park Place West
Windsor Park Court West
Windsor Park Gate West
Windsor Park Green West
Windsor Park Heights West
Windsor Park Manor West
Windsor Park Mews West
Windsor Park Rise West
Windsor Park Terrace West
Windsor Park View West
Windsor Park Vista West
Windsor Park Walk West
Windsor Park Way West
Windsor Park Wood West
Windsor Park Woods West
Windsor Park Bay West
Windsor Park Circle West
Windsor Park Cove West
Windsor Park Crescent West
Windsor Park Gardens West
Windsor Park Grove West
Windsor Park Hill West
Windsor Park Knoll West
Windsor Park Landing West
Windsor Park Meadow West
Windsor Park Pointe West
Windsor Park Ridge West
Windsor Park Rise West
Windsor Park Run West
Windsor Park Square West
Windsor Park Terrace West
Windsor Park Trail West
Windsor Park Vale West
Windsor Park View West
Windsor Park Vista West
Windsor Park Walk West
Windsor Park Way West
Windsor Park Wood West
Windsor Park Woods West
Windsor Park Bay West
Windsor Park Circle West
Windsor Park Cove West
Windsor Park Crescent West
Windsor Park Gardens West
Windsor Park Grove West
Windsor Park Hill West
Windsor Park Knoll West
Windsor Park Landing West
Windsor Park Meadow West
Windsor Park Pointe West
Windsor Park Ridge West
Windsor Park Rise West
Windsor Park Run West
Windsor Park Square West
Windsor Park Terrace West
Windsor Park Trail West
Windsor Park Vale West
Windsor Park View West
Windsor Park Vista West
Windsor Park Walk West
Windsor Park Way West
Windsor Park Wood West
Windsor Park Woods West
Turner Drive South-west
Turner Drive South-east
Okotoks Drive South-west
Okotoks Drive South-east
Okotoks Drive South-west
Okotoks Drive South-east
Okotoks Drive South-west
Okotoks

SHEET 6 ↑

SHEET 4 ↑



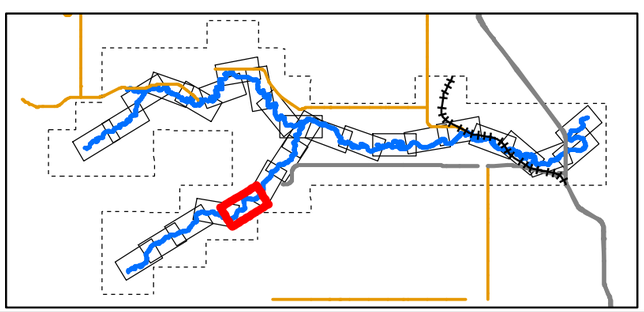
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



0 50 100 200 300 400
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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 5 of 28

DRAFT

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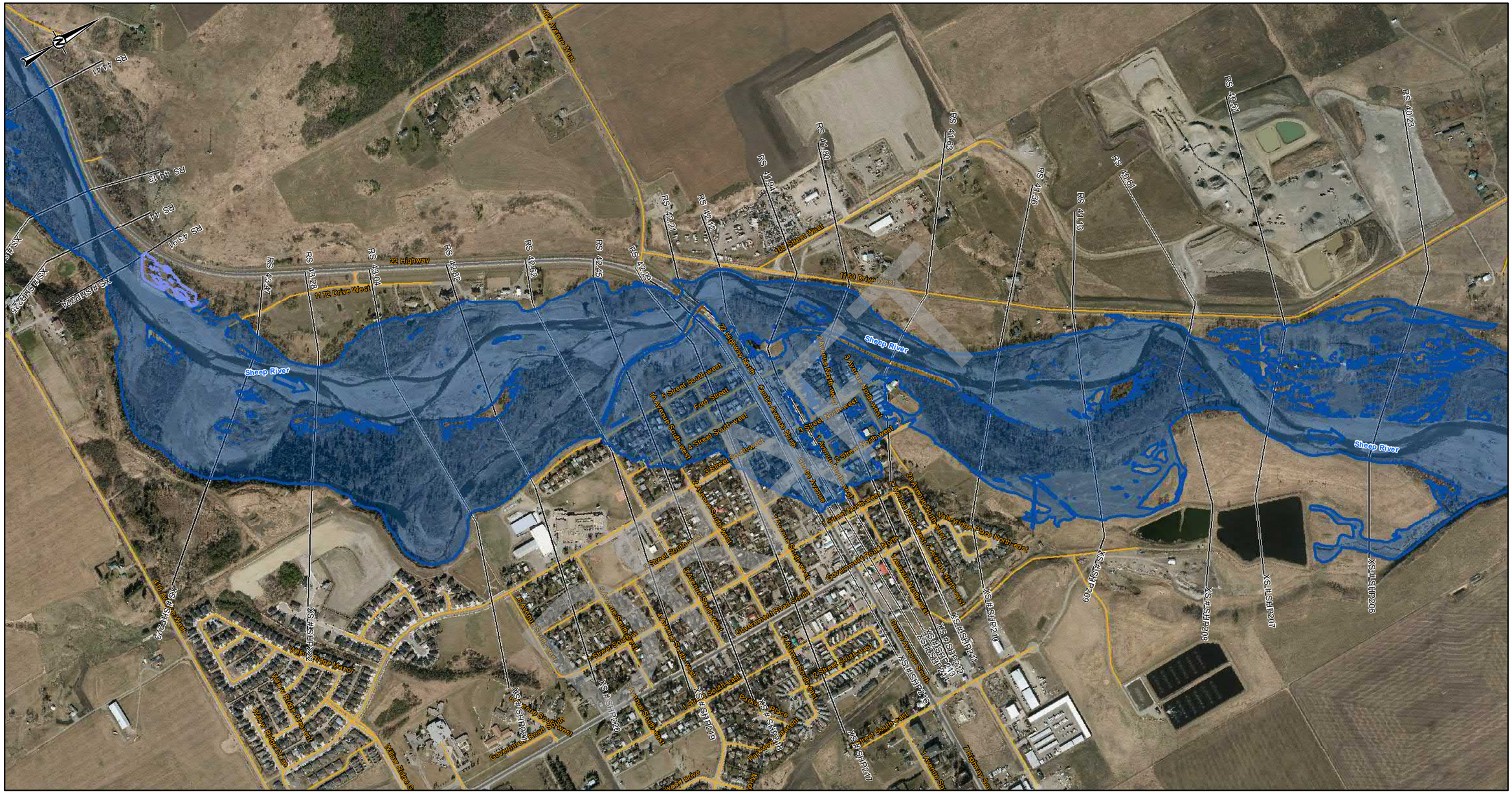
0 25mm

Classification: Public

SHEET 5 ↑

SHEET 7 ↑



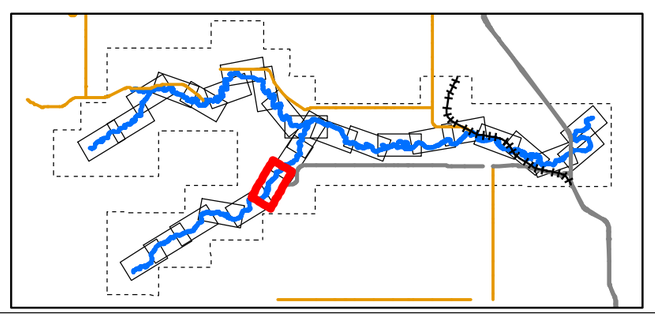
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 6 of 28

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

20mm

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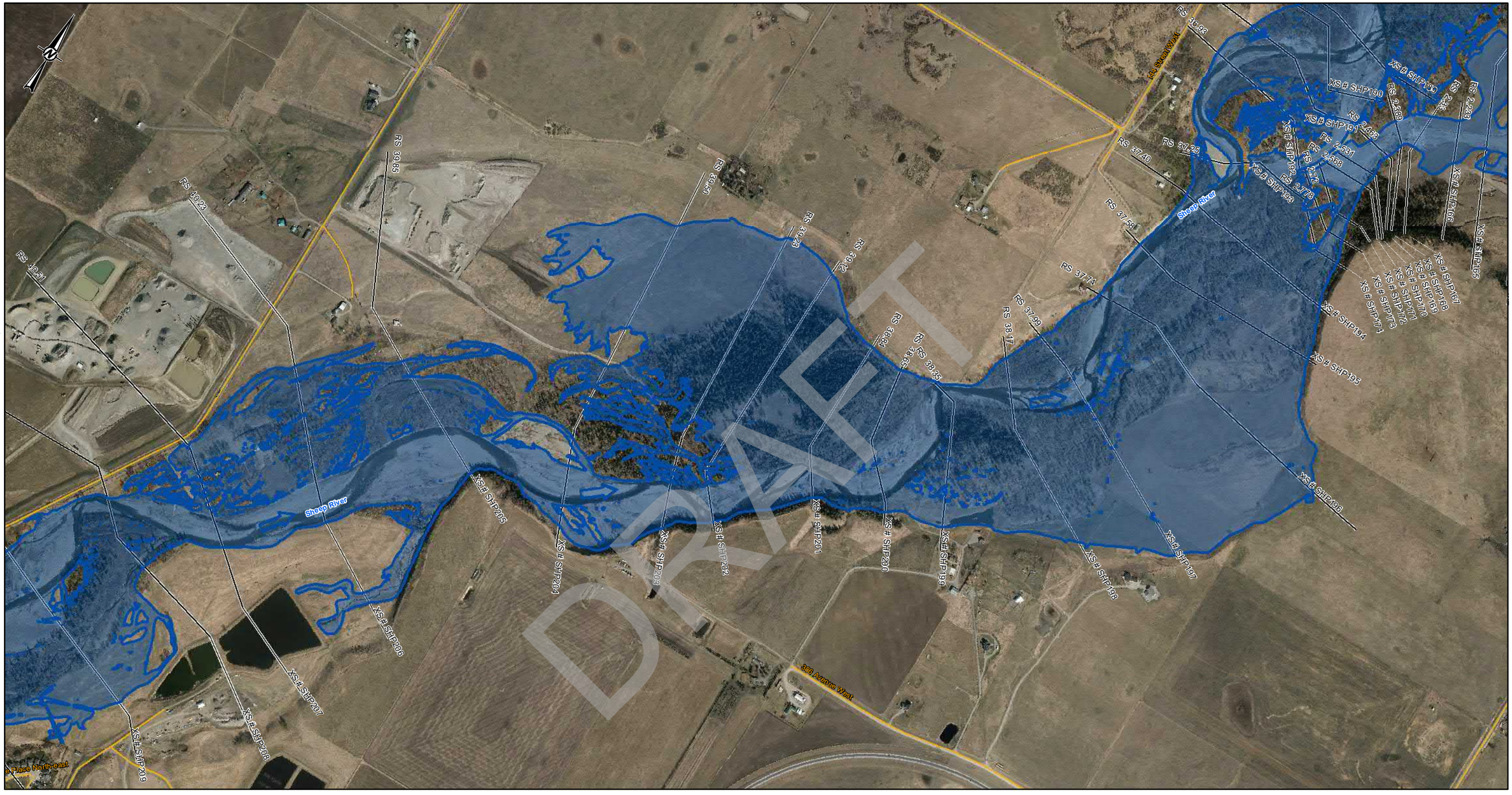
J:\projects\01\projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 6 ↑

SHEET 8 ↑



DRAFT

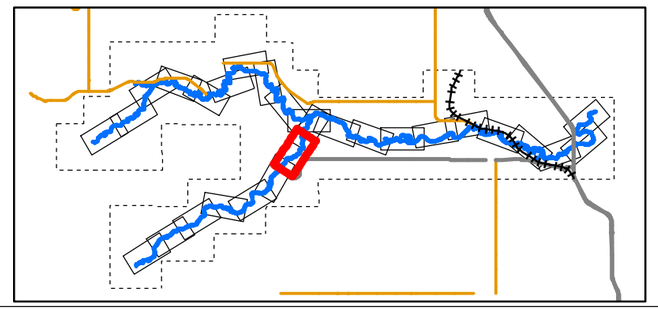
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 693 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 7 of 28

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25mm

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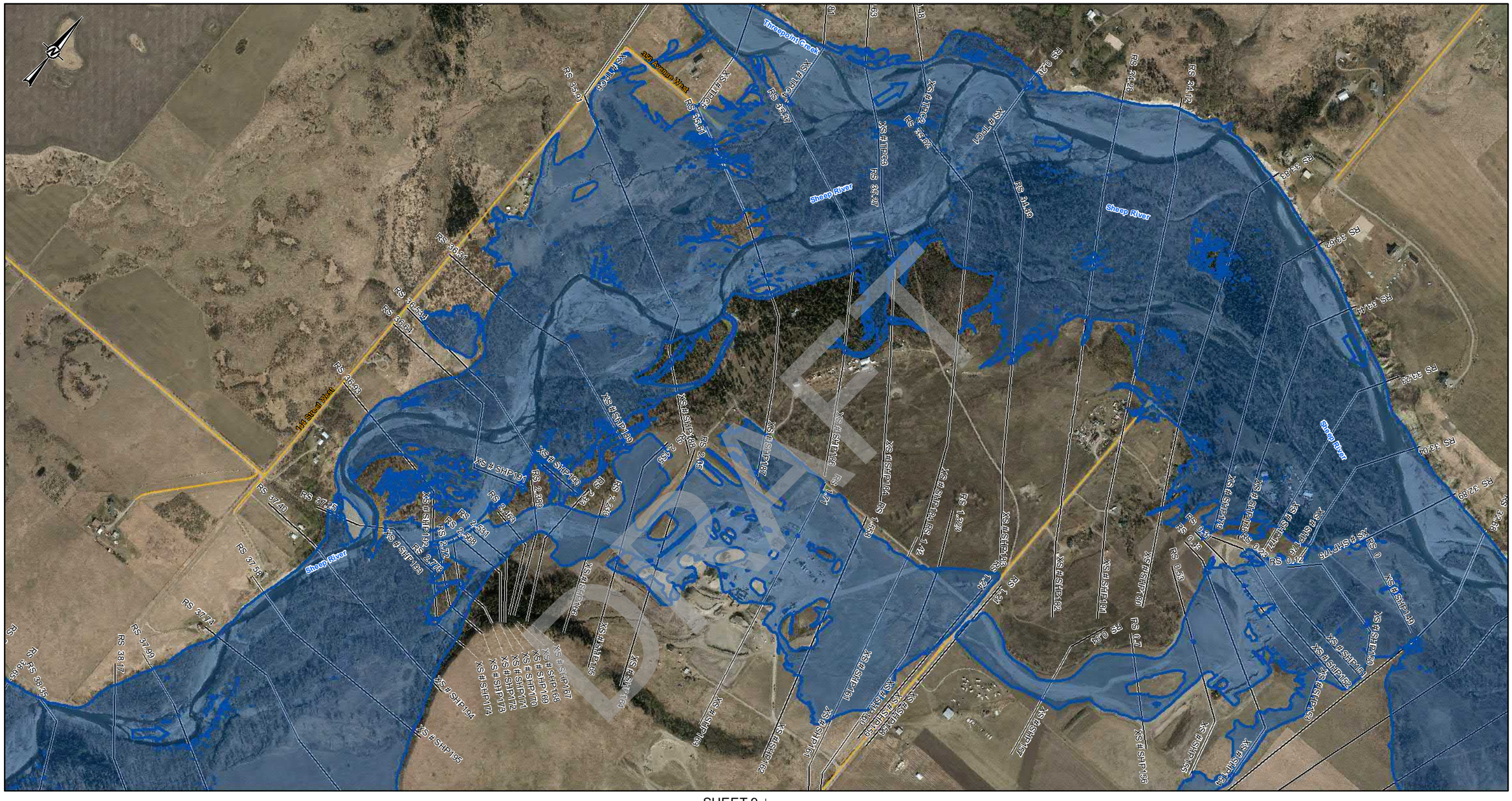
Classification: Public

SHEET 27 ↑

SHEET 7 ↑

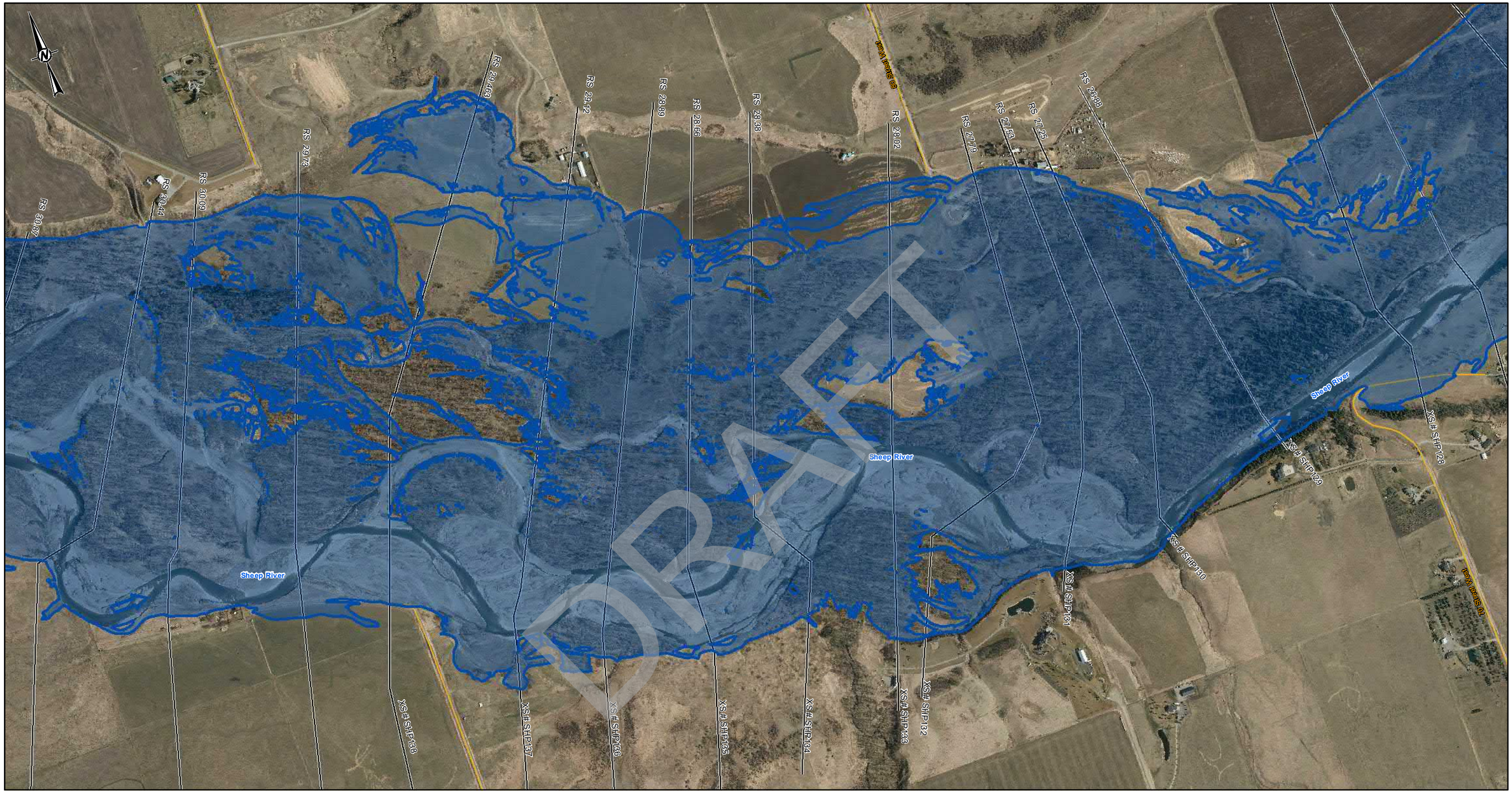

Threepoint Creek
Sheep River
Sheep River
Sheep River

SHEET 8 ↑

SHEET 10 ↑

SHEET 9 ↑

SHEET 11 ↑



DRAFT

LEGEND

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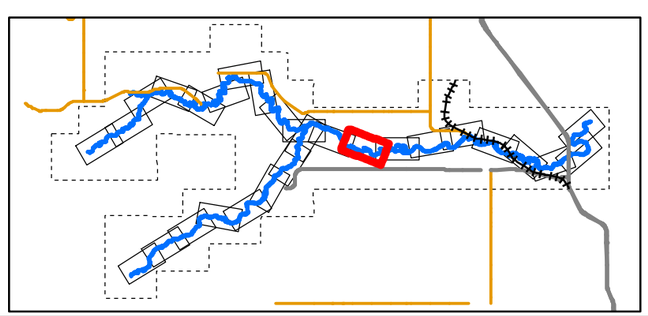
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1180 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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Alberta Government

CONSULTANT
HATCH

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APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 10 of 28

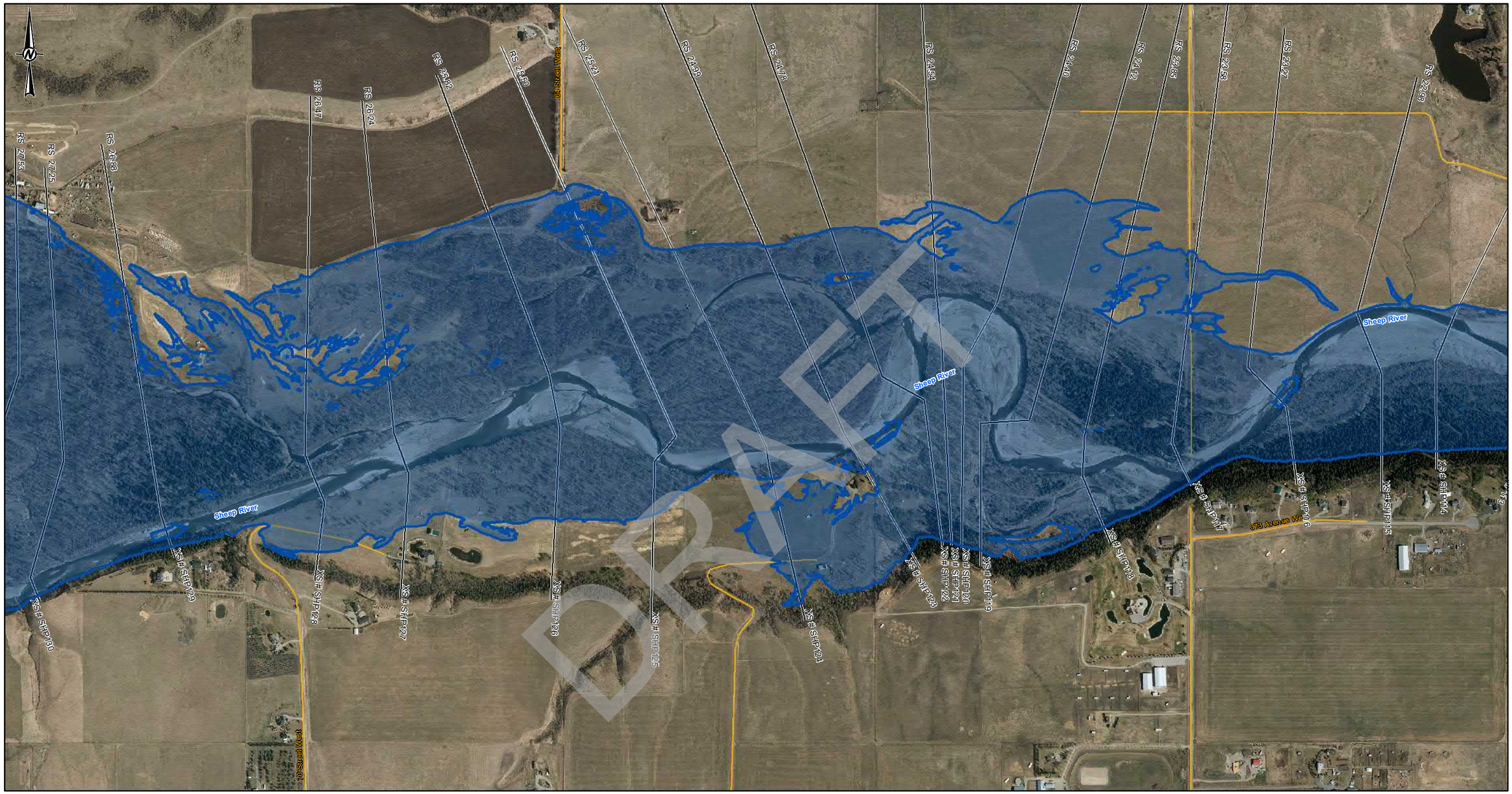
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 20mm

Classification: Public

SHEET 10 ↑

SHEET 12 ↑



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- XS#110 CROSS SECTION NUMBER
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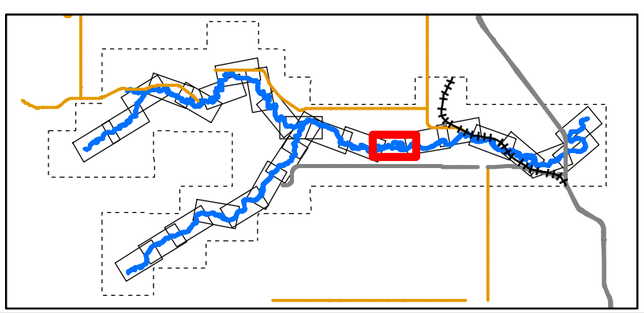
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1180 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 11 of 28

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

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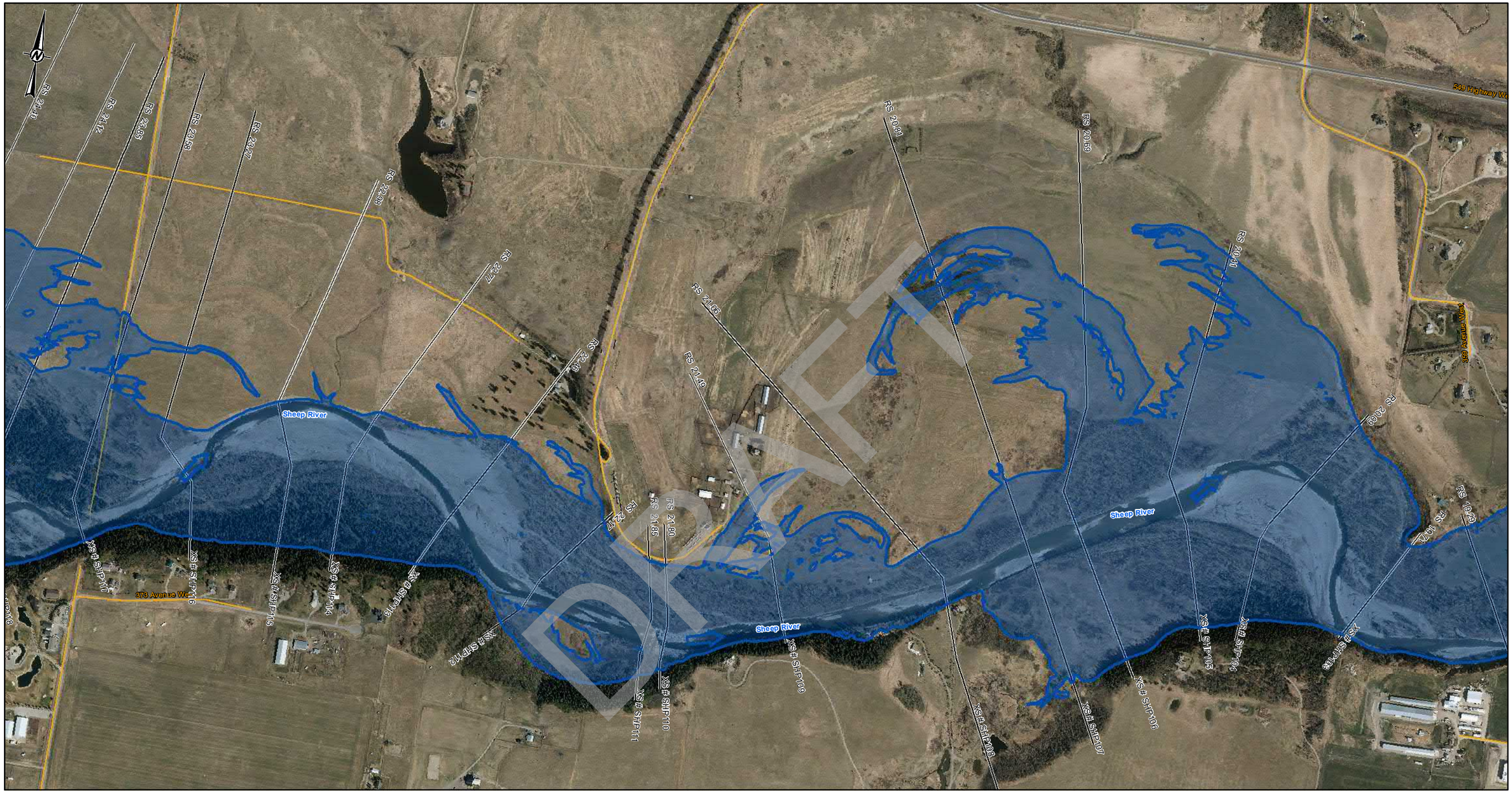
Classification: Public

SHEET 11 ↑

SHEET 13 ↑



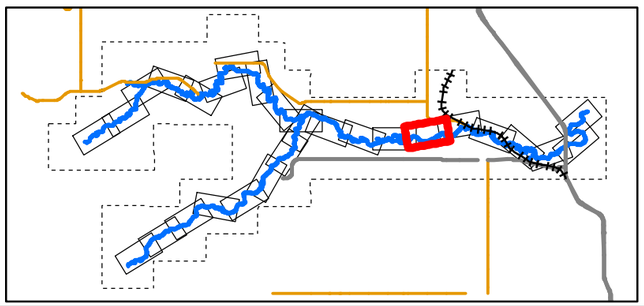
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1180 m³/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 12 of 28

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

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Classification: Public

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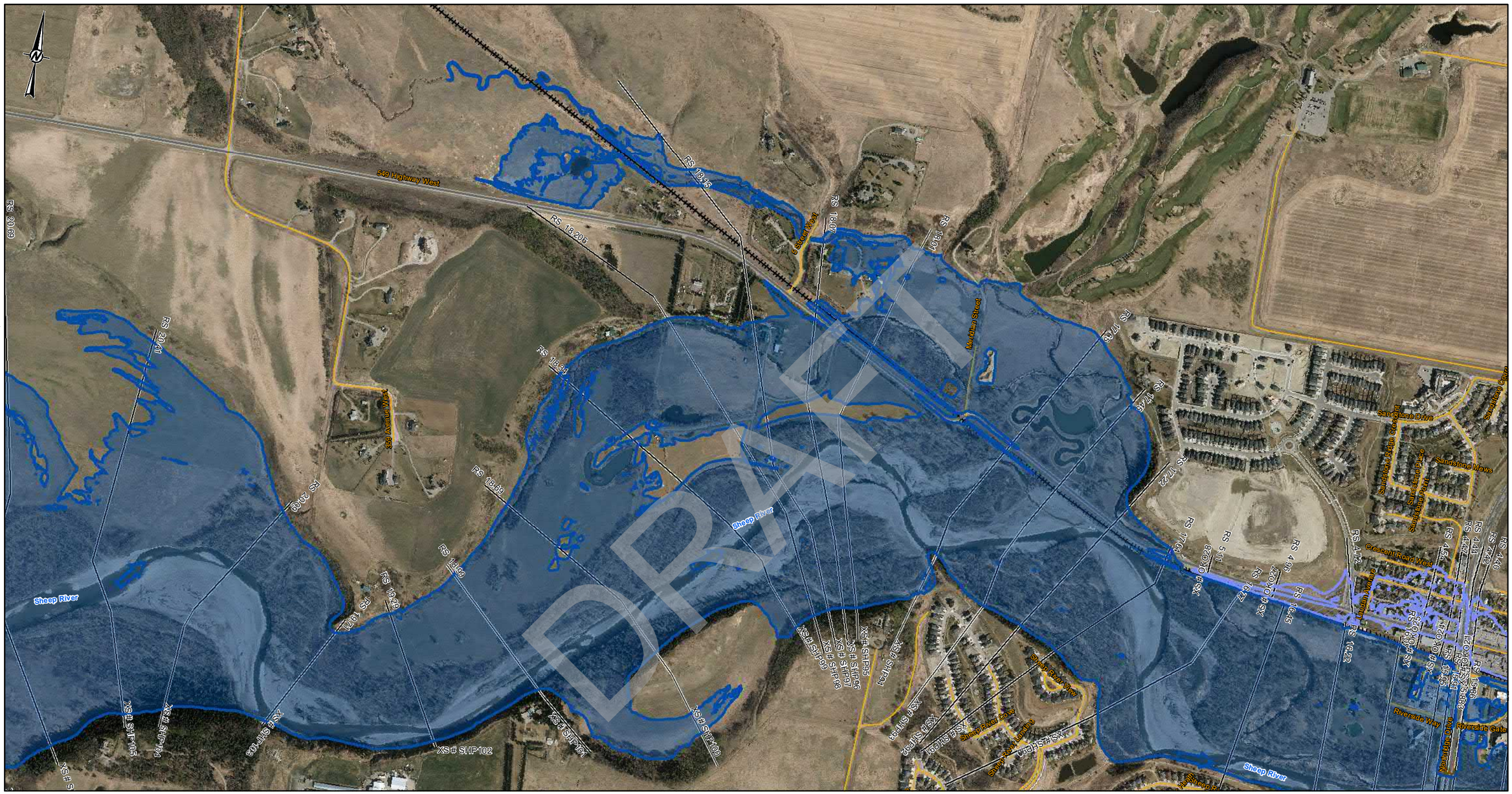
SHEET 14 ↑



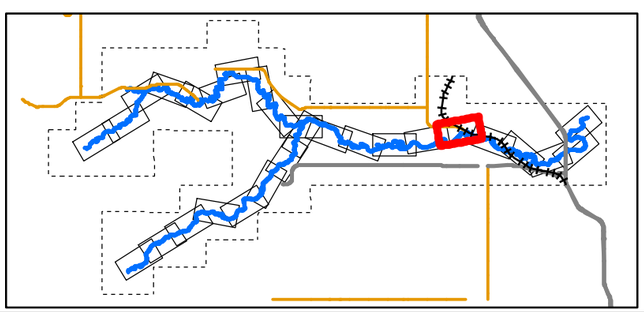
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1180 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 13 of 28

DRAFT

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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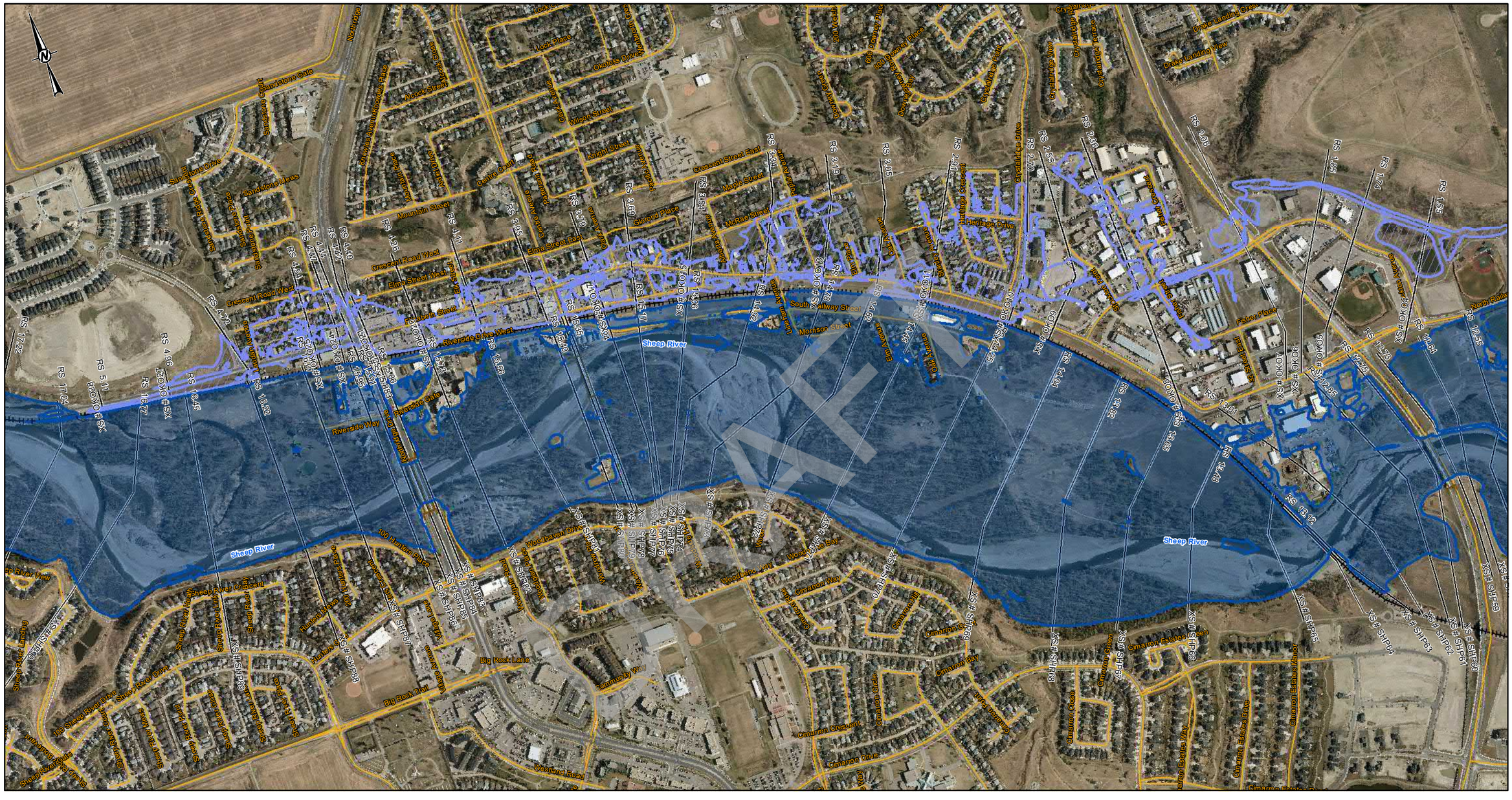
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Sheep River
Sheep River

SHEET 14 ↑

SHEET 16 ↑

DRAFT

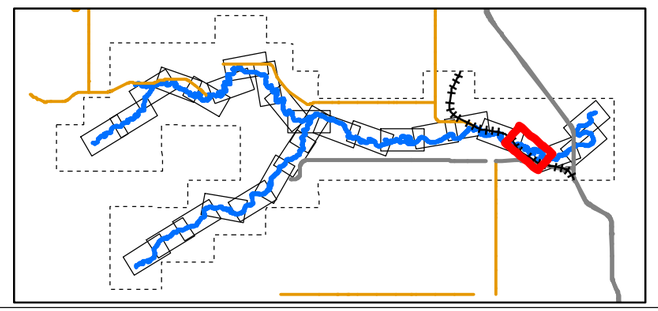
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1180 m^3/s
SHEEP RIVER= 1180.7 m^3/s (DS- RS 12.02)
SHEEP RIVER= 1240 m^3/s (DS- RS 11.25)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 15 of 28

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

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Classification: Public

SHEET 15 ↑

SHEET 17 ↑

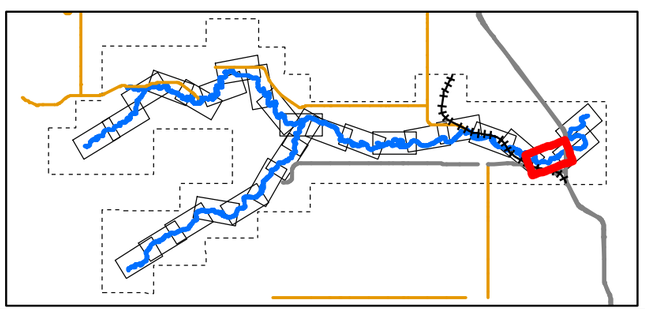
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1240 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 16 of 28

DRAFT

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25mm
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Classification: Public

SHEET 18 ↑

SHEET 16 ↑

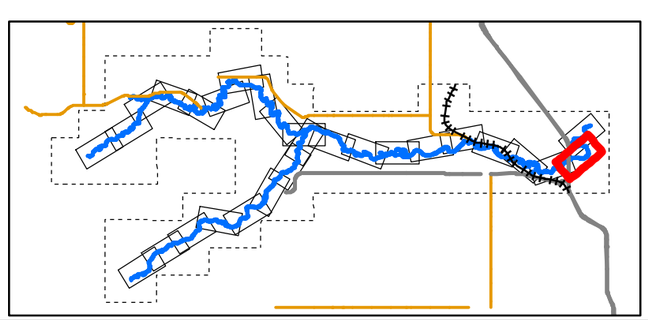
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1240 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 17 of 28

DRAFT

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

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Classification: Public

SHEET 17 ↓

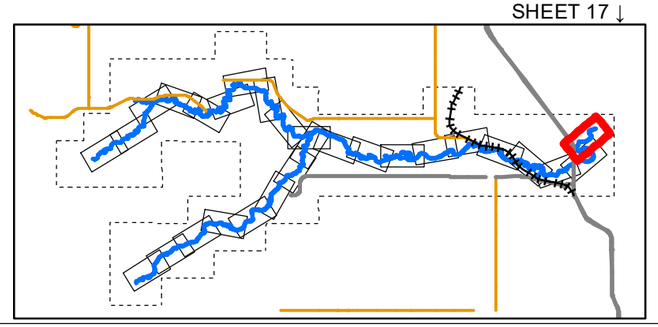
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1240 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 18 of 28

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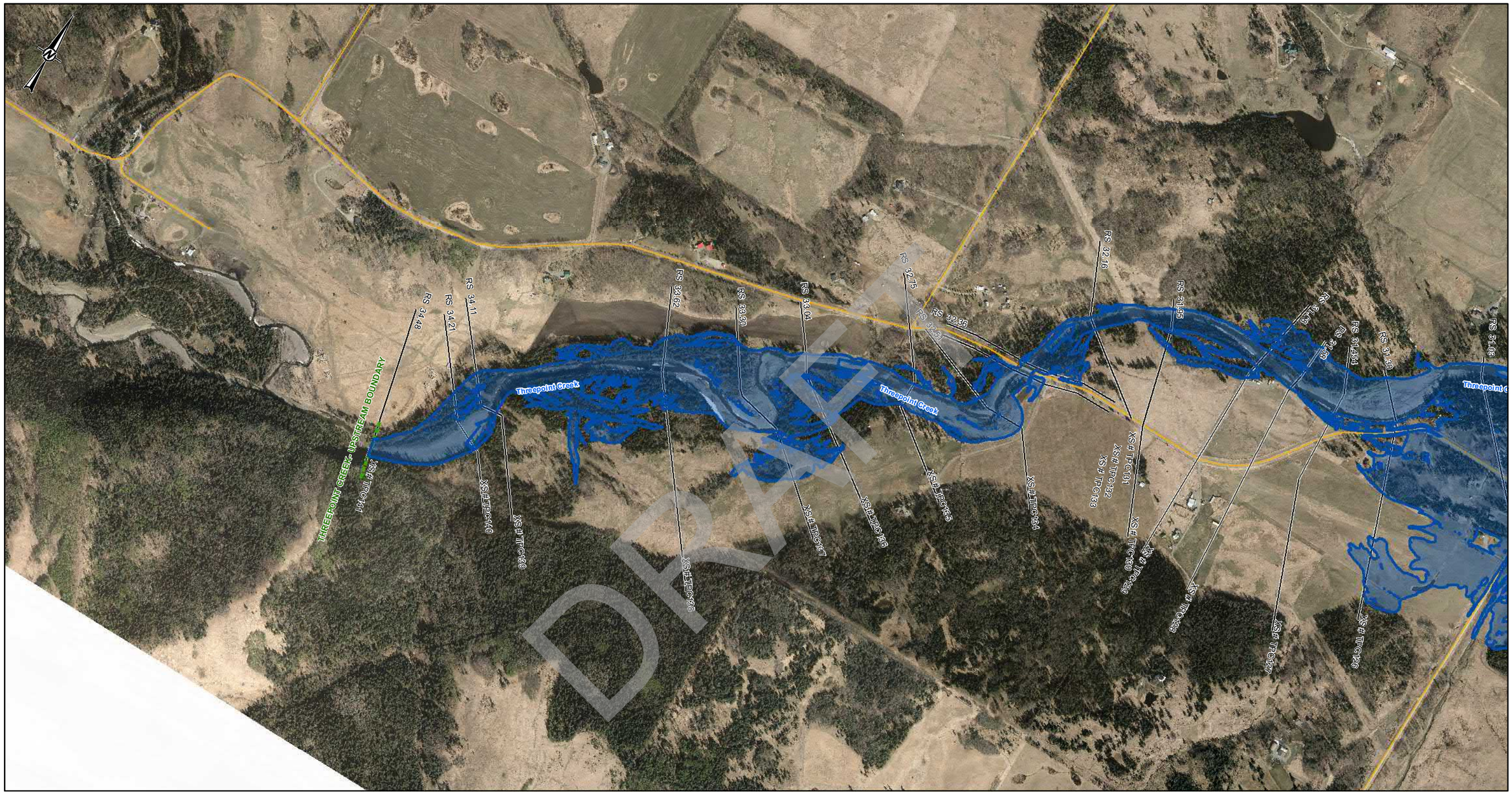
Classification: Public



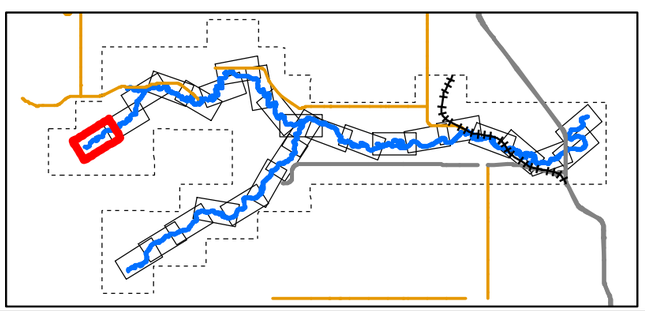
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 221 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 19 of 28

C:\Users\sarah.zare\Documents\ArcGIS\Projects\WATERPOWER\12345\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_20210UTBOX-AEPDELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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25mm

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

DRAFT

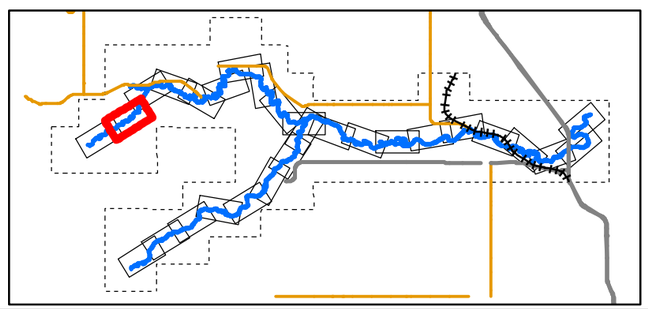
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 221 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 20 of 28

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

0 25mm

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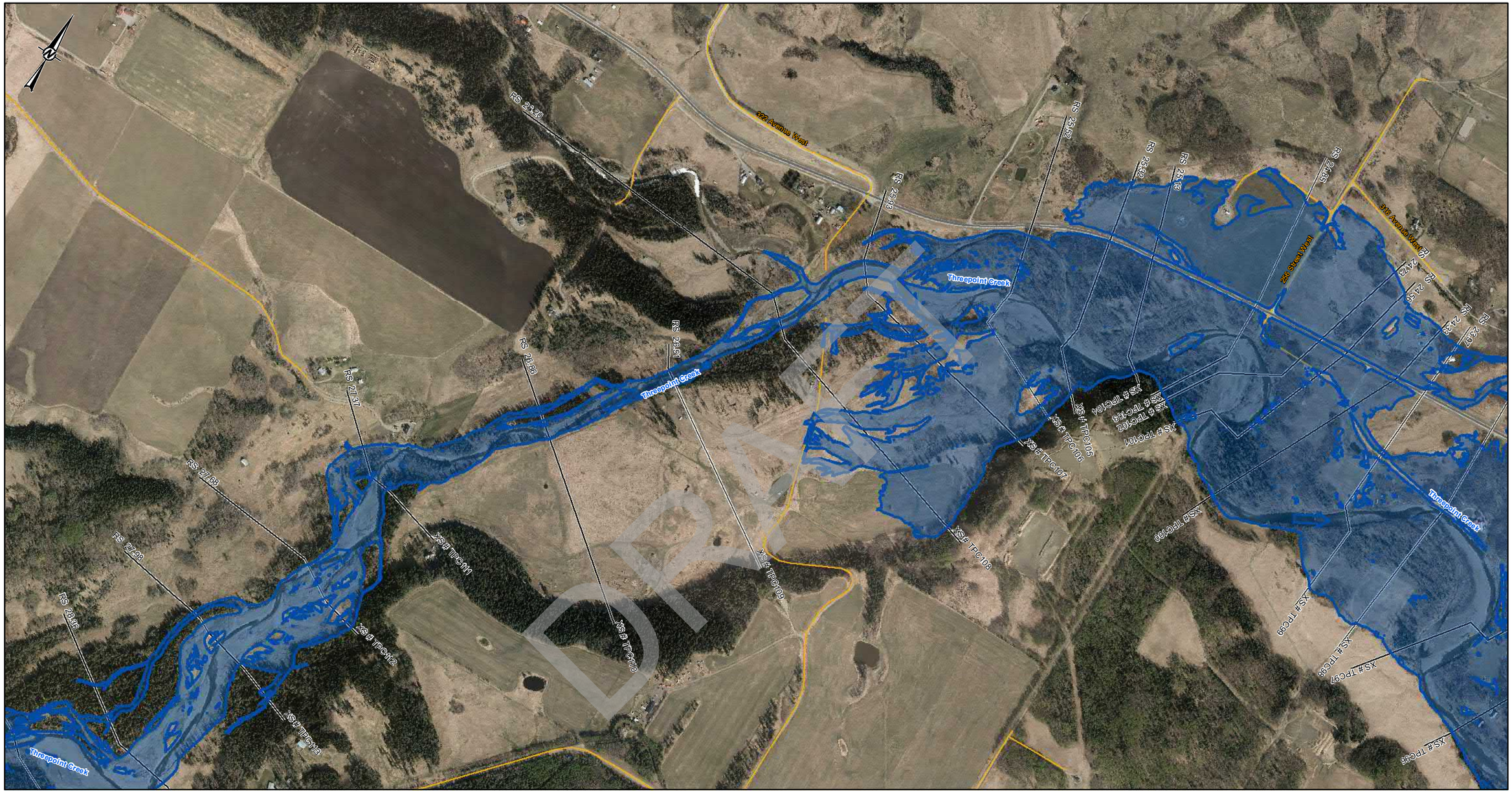
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



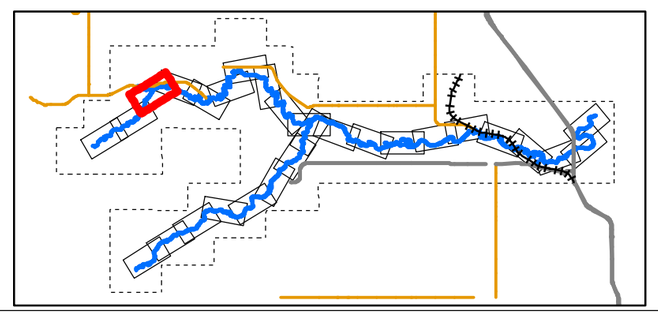
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 221 m^3/s
THREEPOINT CREEK= 439 m^3/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 21 of 28

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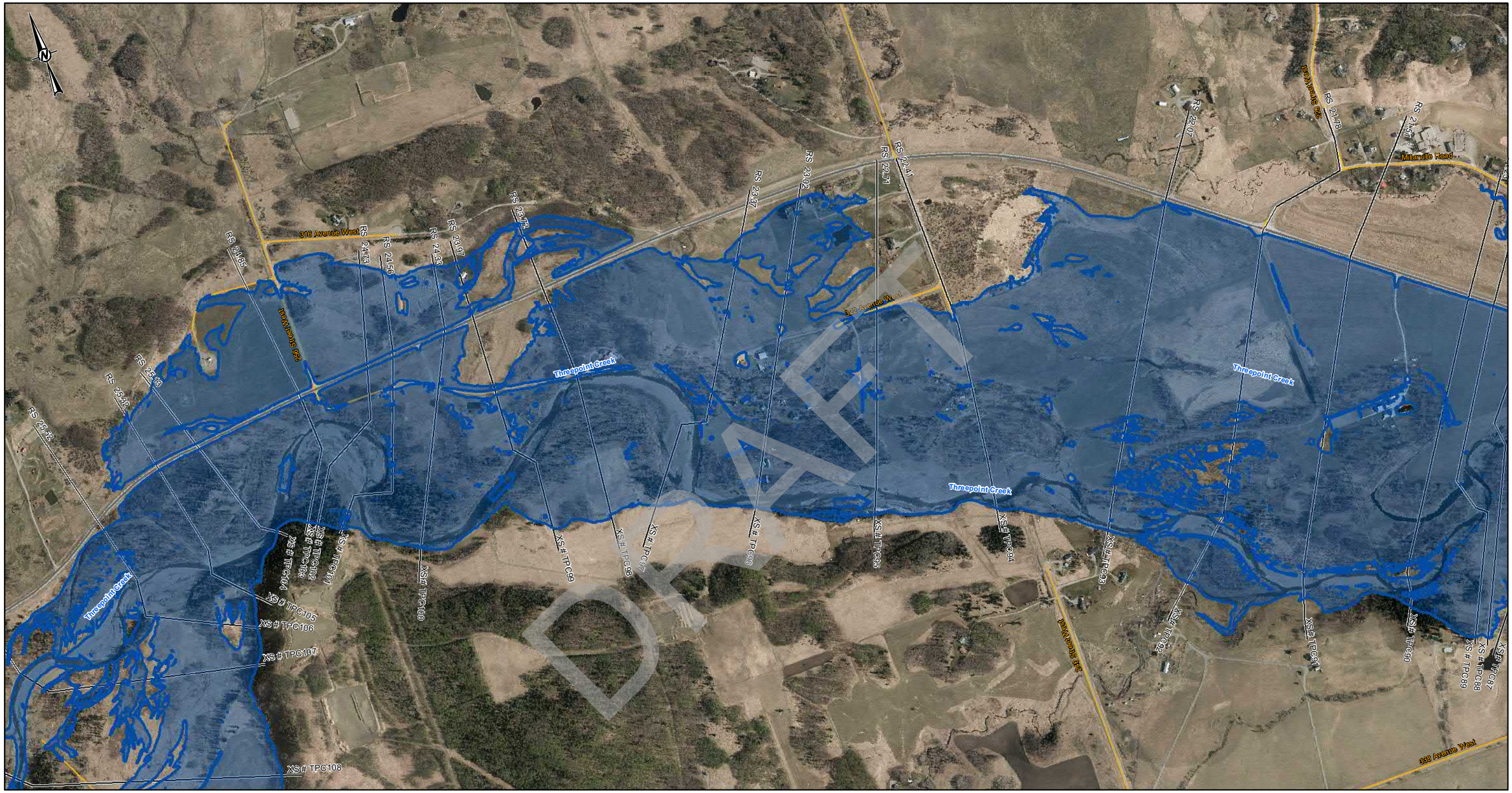
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



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- XS#110 CROSS SECTION NUMBER
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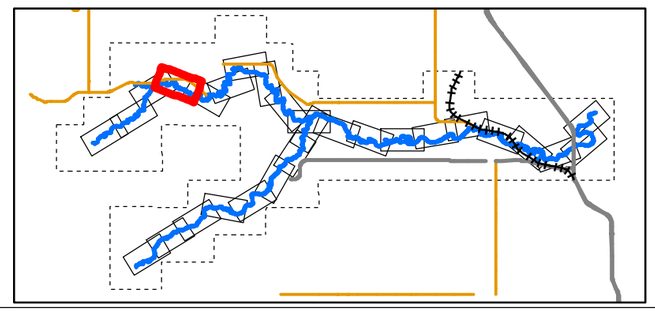
75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 439 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 22 of 28

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

25mm

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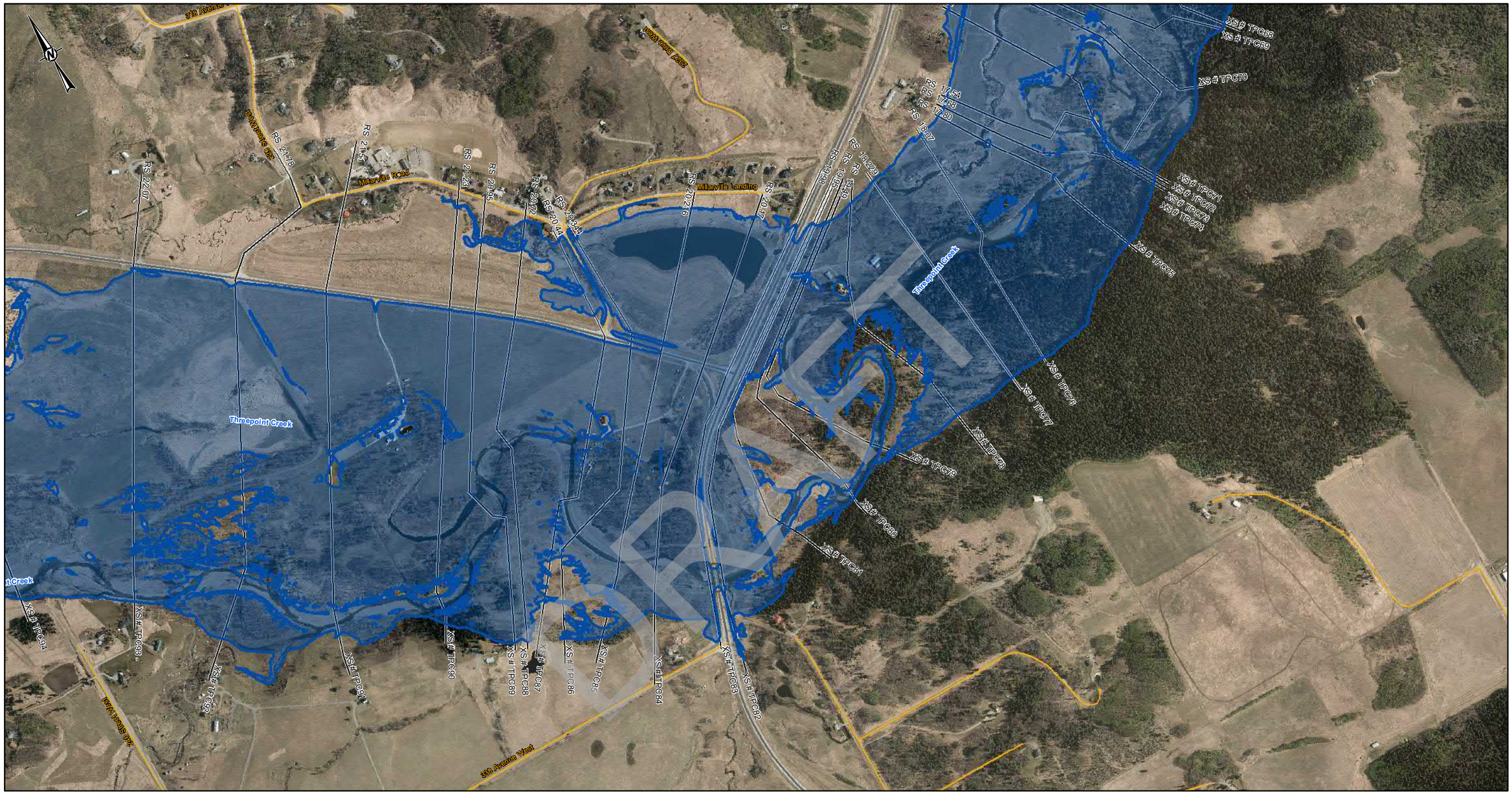
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



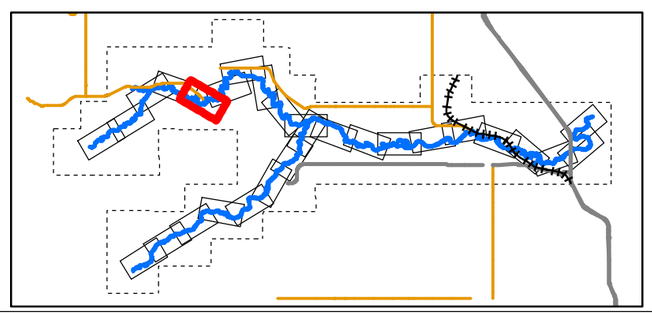
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 439 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 23 of 28

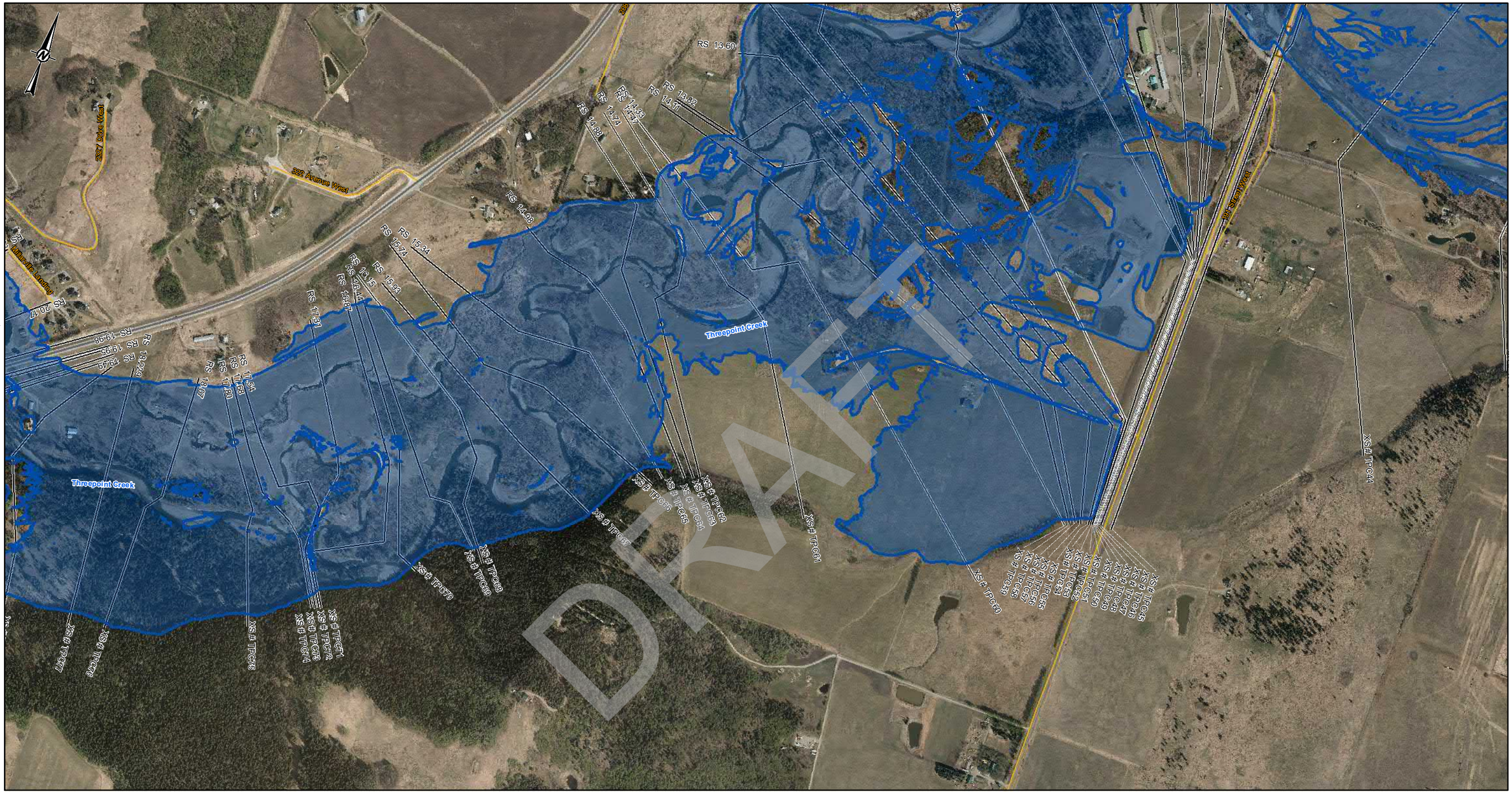
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

C:\Projects\WATERPOWER\12466\GIS\CAD\ARCPRO\MXD\SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 23 ↑

SHEET 25 ↑



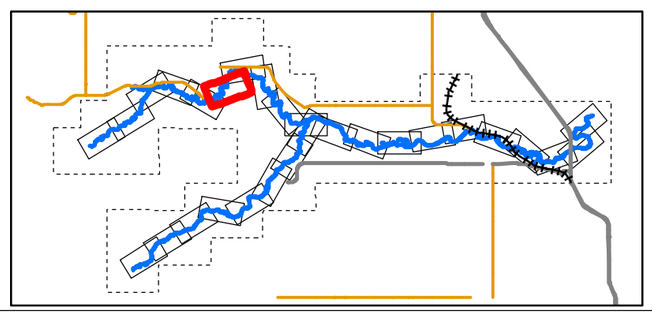
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 439 m^3/s
THREEPOINT CREEK= 545 m^3 (DS- RS 14.98)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 24 of 28

Classification: Public

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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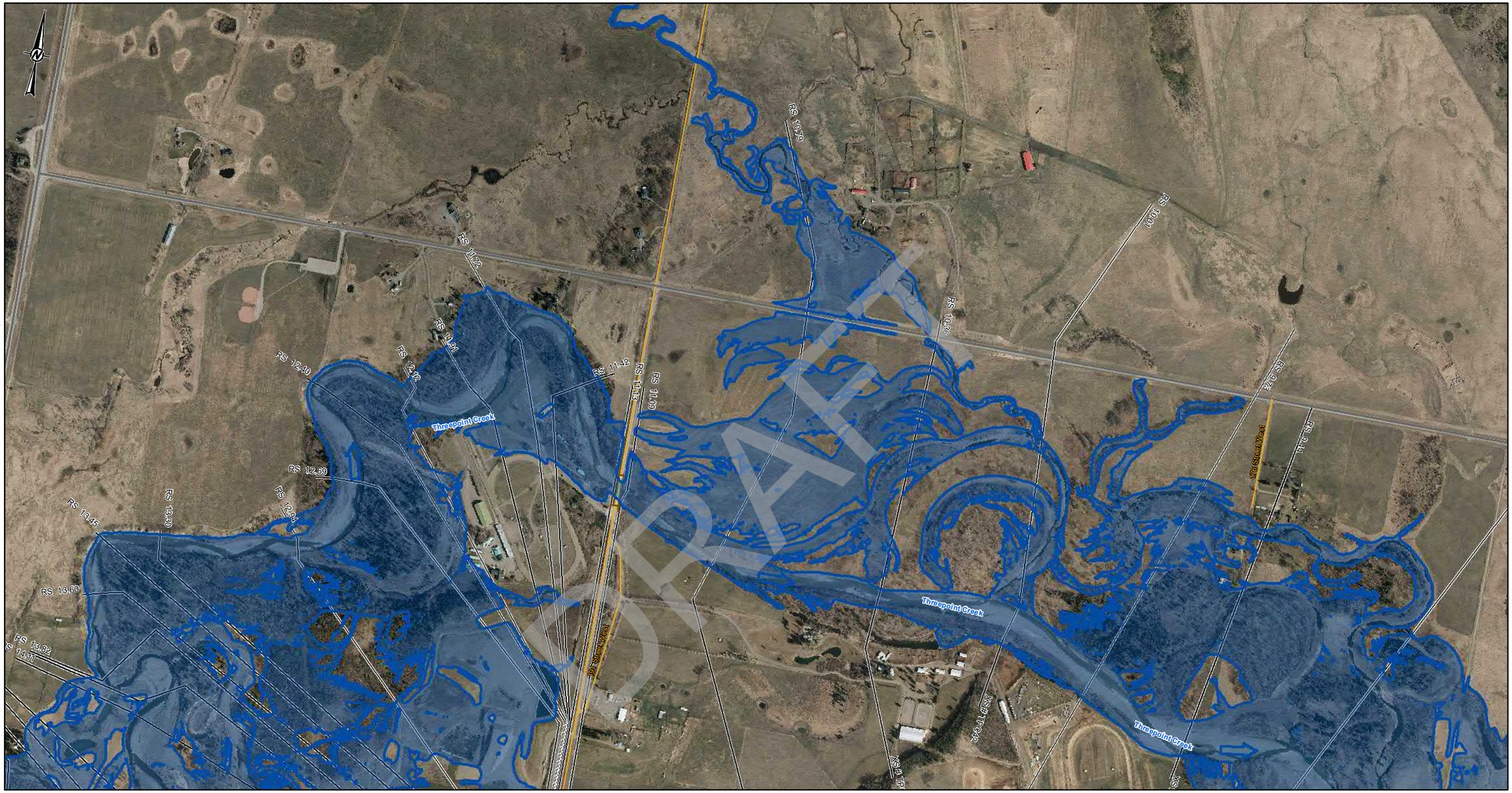
SHEET 24 ↑



SHEET 26 ↓

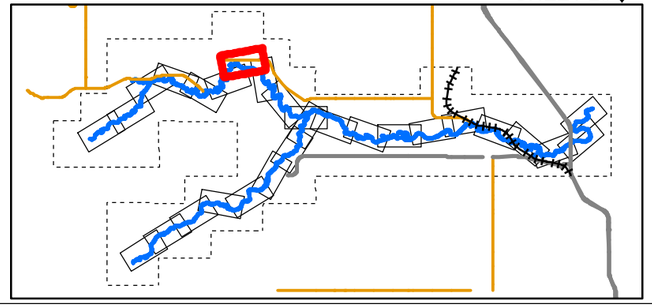
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 545 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 25 of 28

DRAFT

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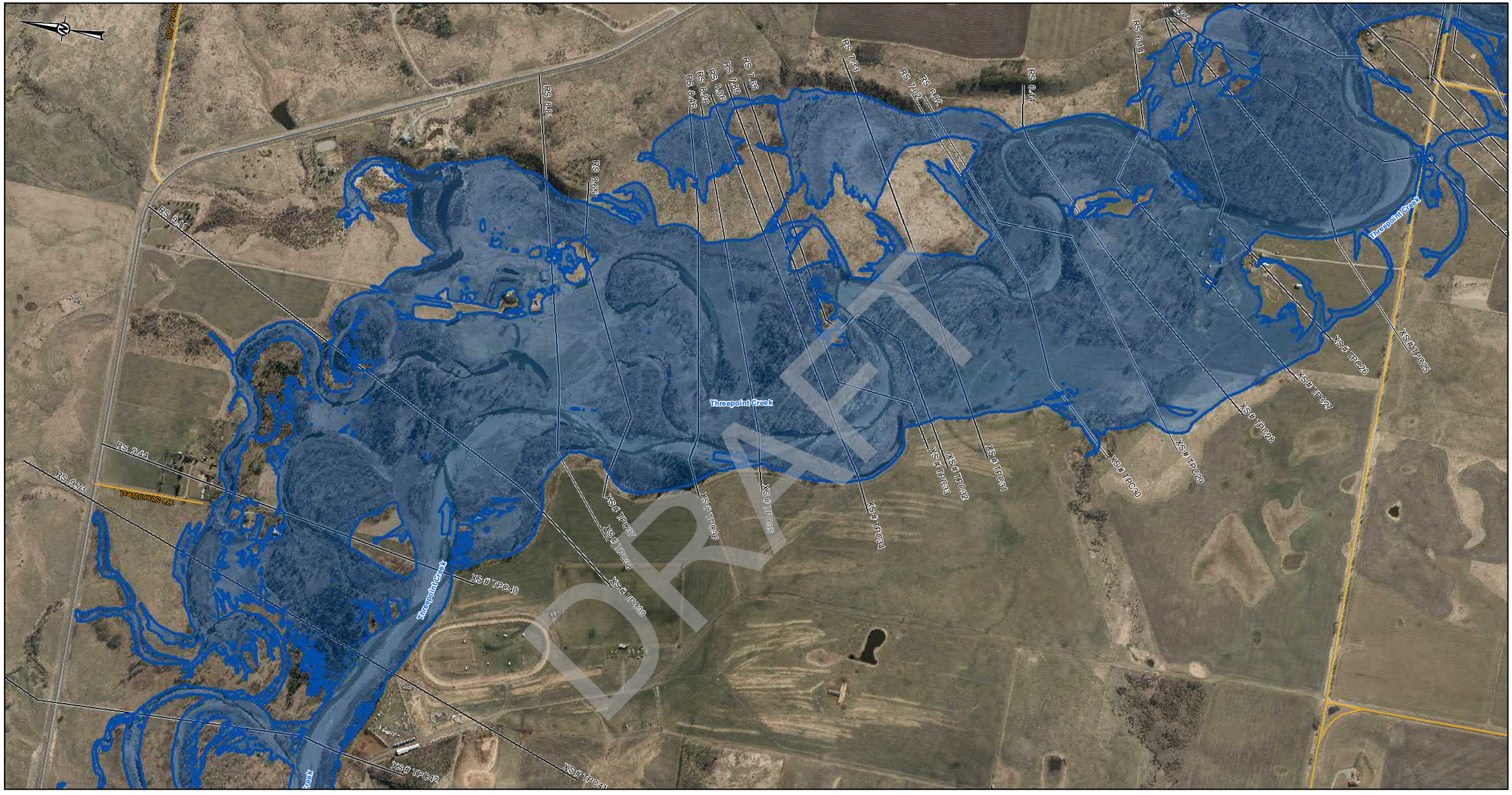
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



DRAFT

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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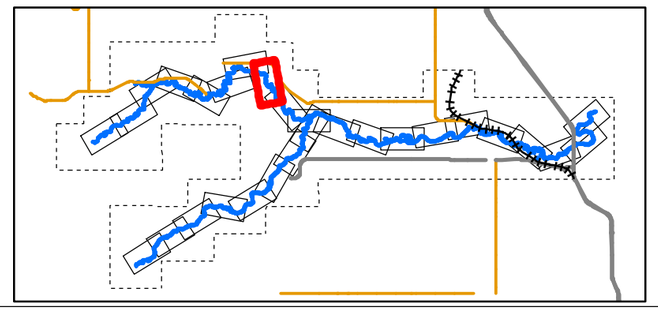
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 545 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 26 of 28

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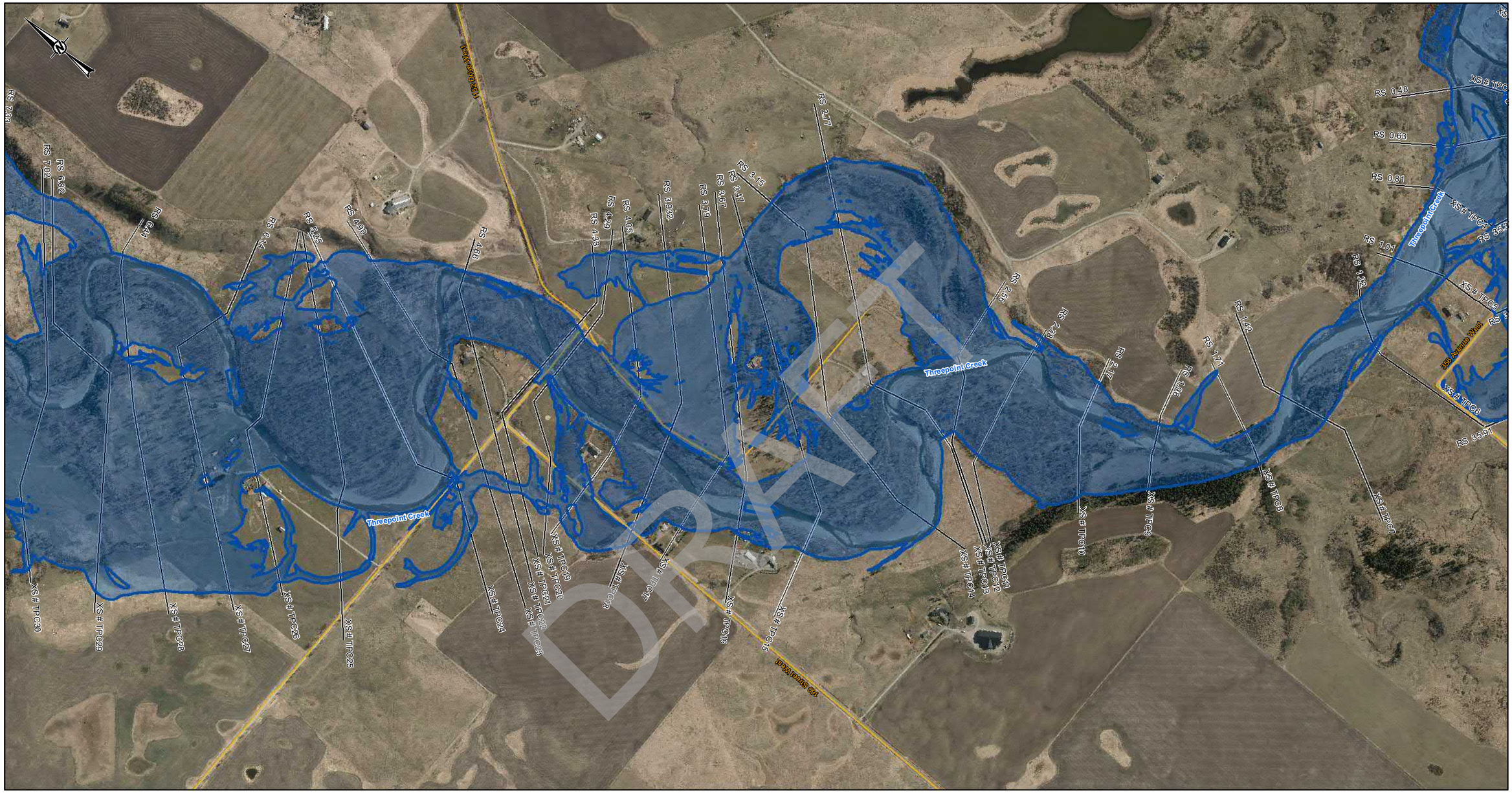
Classification: Public

SHEET 26 ↑

SHEET 28 ↑



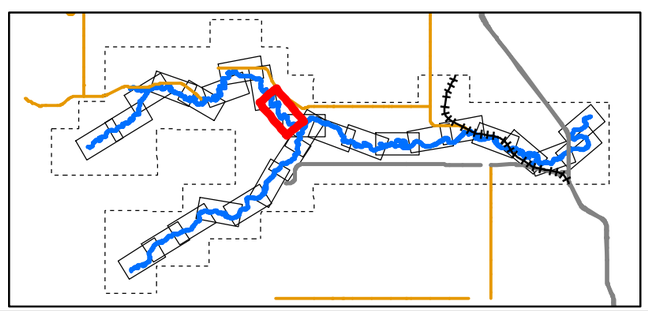
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 545 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 27 of 28

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

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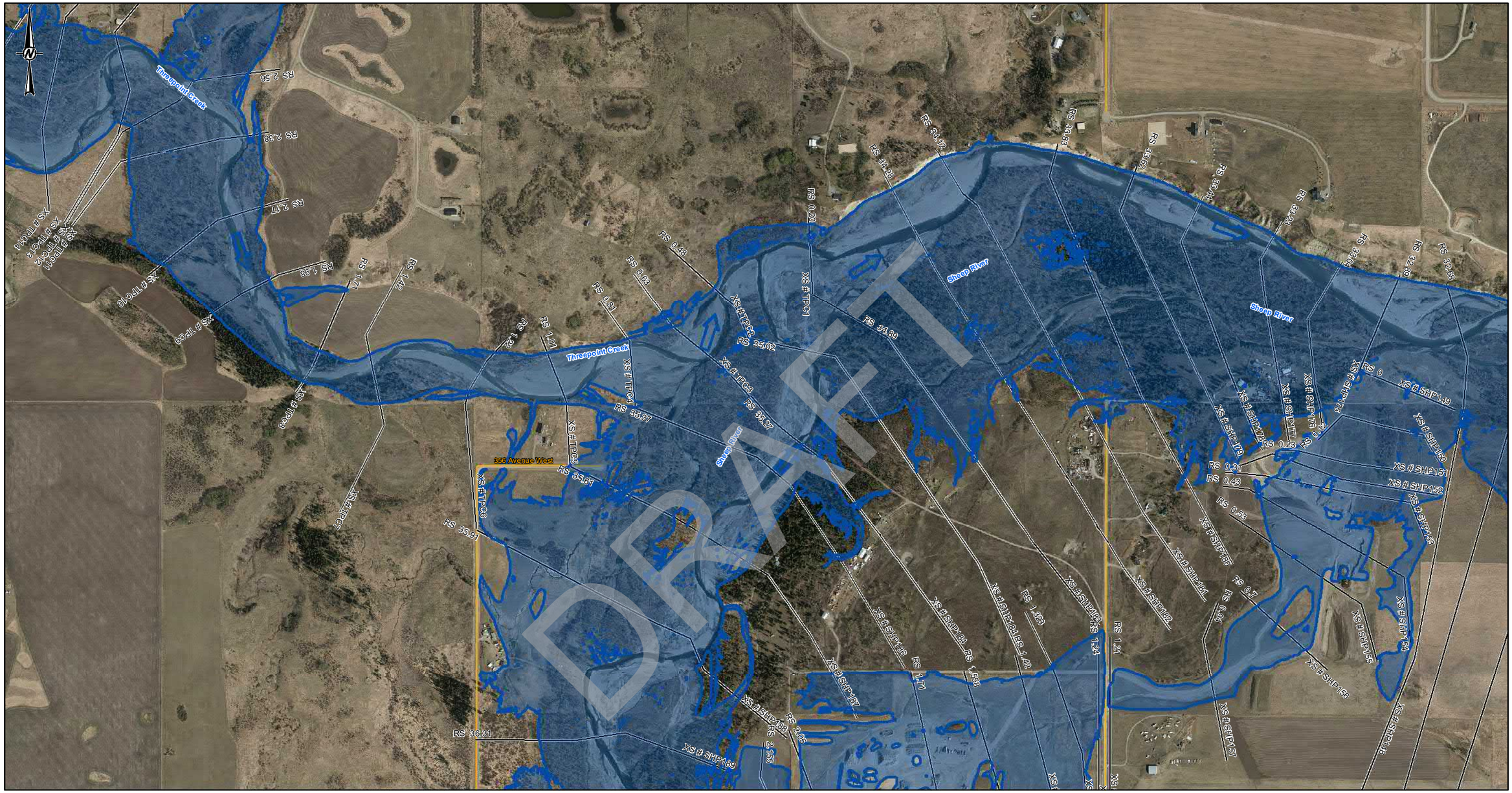
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



DRAFT

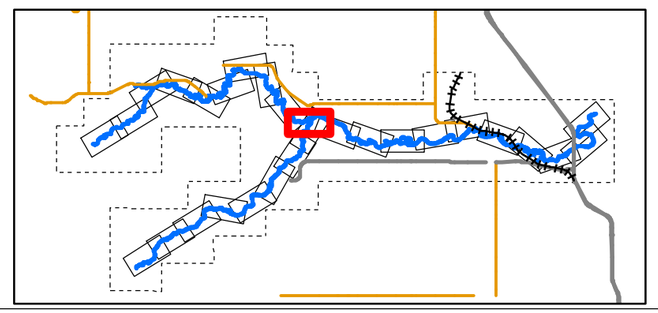
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

75-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 545 m ³/s
SHEEP RIVER= 693 m³/s
SHEEP RIVER= 1238 m ³/s (DS- RS 34.28)



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1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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REVIEWED	A.MILLS
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
75- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0007-3333	0	Sheet 28 of 28

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

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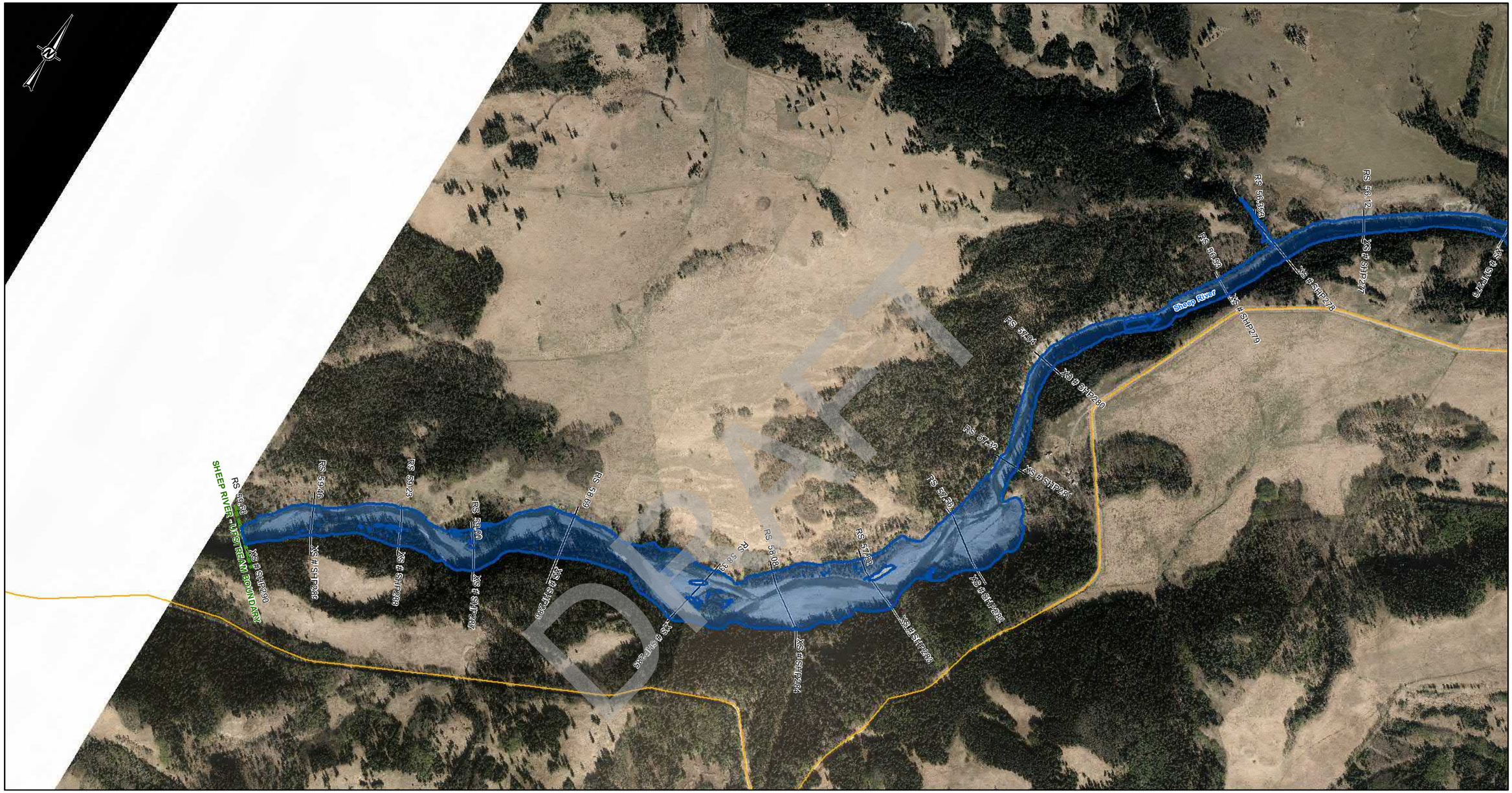
Classification: Public

100-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



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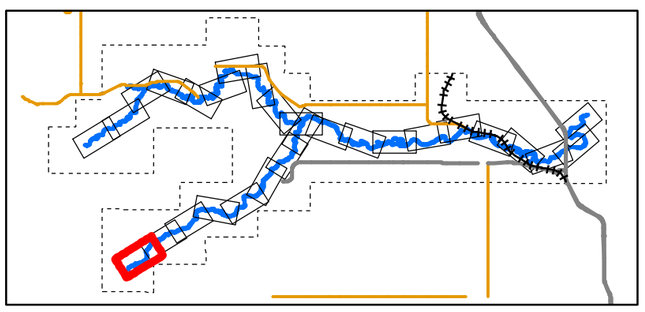
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m³/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 1 of 28

DRAFT

C:\cgy\data\01\projects\WATERPOWER\122468\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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

SHEET 1 ↑

SHEET 3 ↑

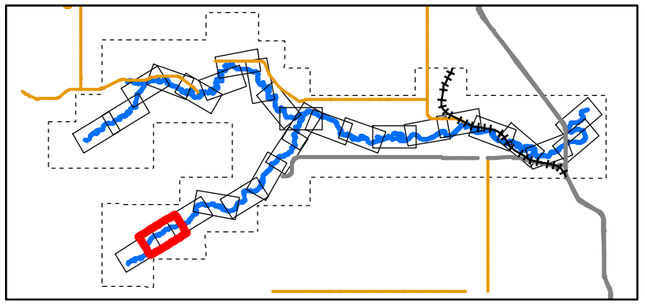
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 2 of 28

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Classification: Public

SHEET 2 ↑

SHEET 4 ↑

LEGEND

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- XS#110 CROSS SECTION NUMBER
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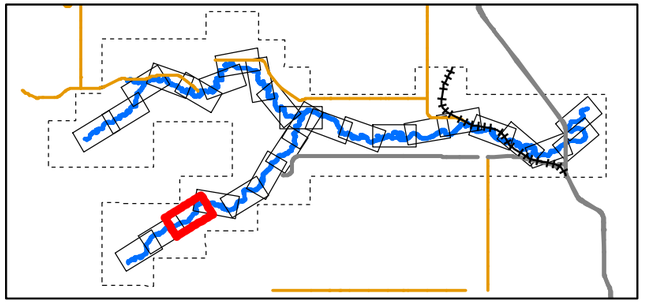
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 3 of 28

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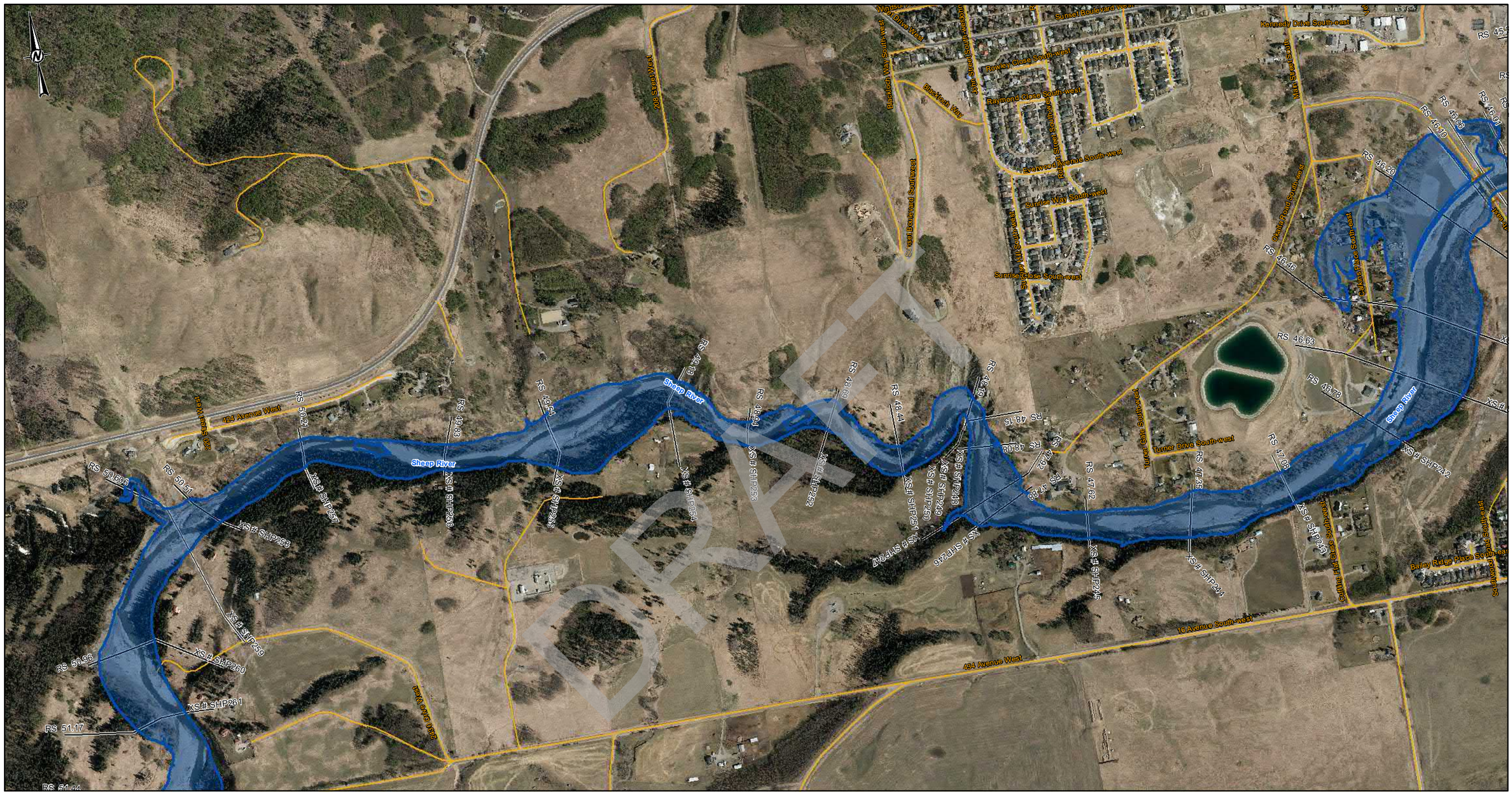
Classification: Public

SHEET 3 ↑

SHEET 5 ↑



LEGEND

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- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
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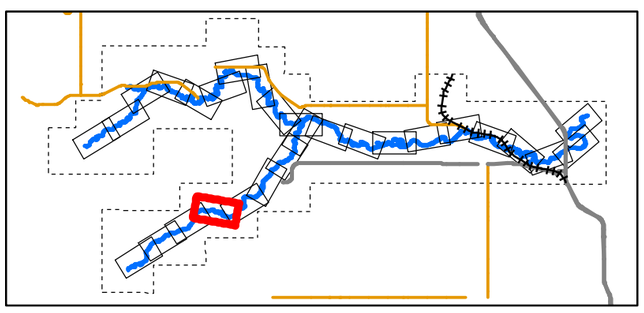
100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

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

Classification: Public

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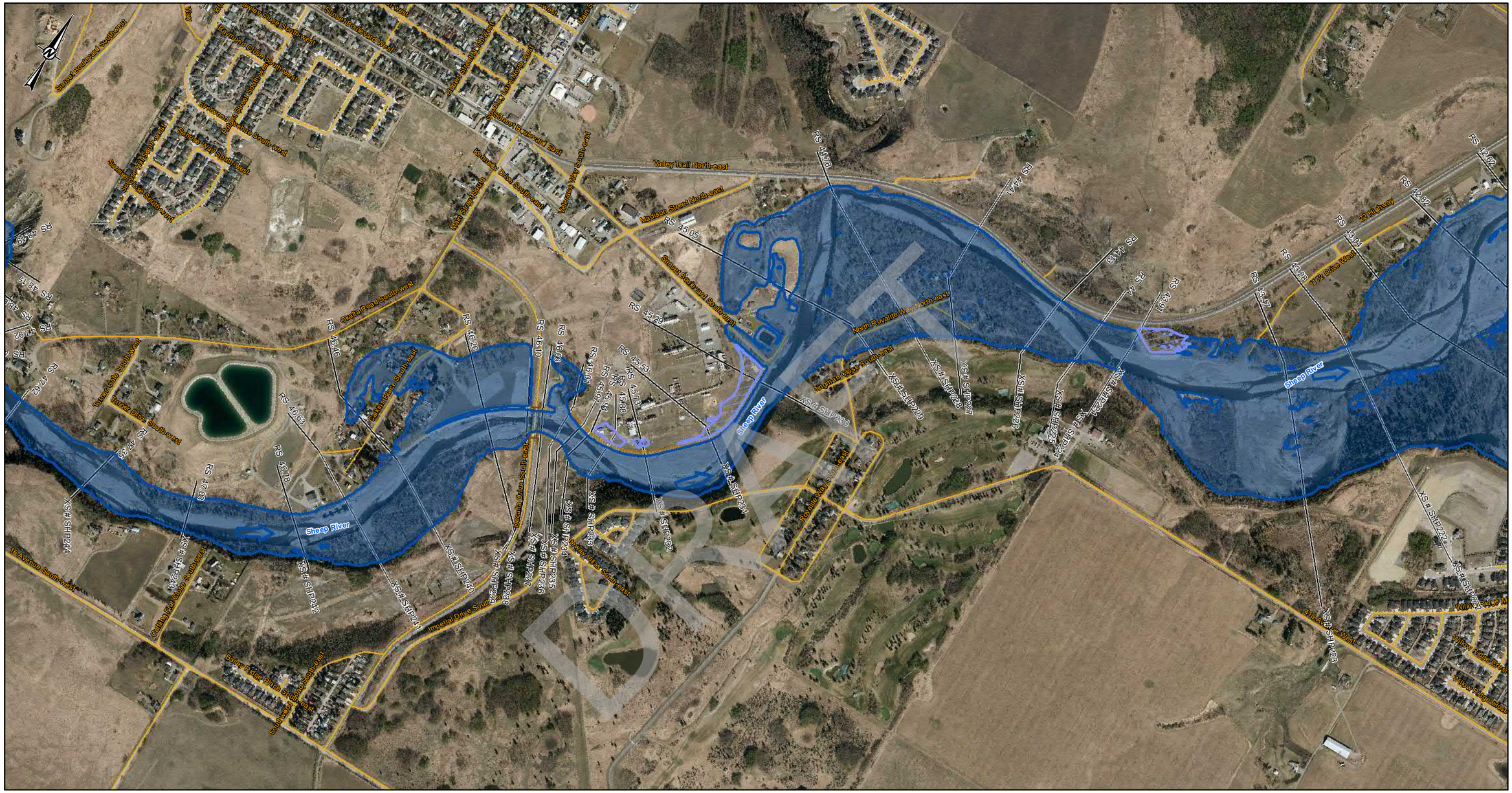
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Sunset Boulevard West
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Valley Trail North-east
Madison Street North-east
Sunset Boulevard Southeast
North Royalville Way North-east
Okotoks Road South-west
Main Street South
Mountain Drive South-west
Valleyview Way South-east
Sunset Boulevard West
Sunset Boulevard Southwest
Hazel Dell Close South-west
Hazel Dell Drive South-west
Cutting Flat Close Southwest
Cutting Flat Drive South-west
Bellamy Ridge Place South-east
Bellamy Ridge Drive South-east
Imperial Drive Southeast
Imperial Drive South-east
Seaside Drive Southeast
Seaside Drive South-east
Royalville Way South-east
Royalville Close South-east
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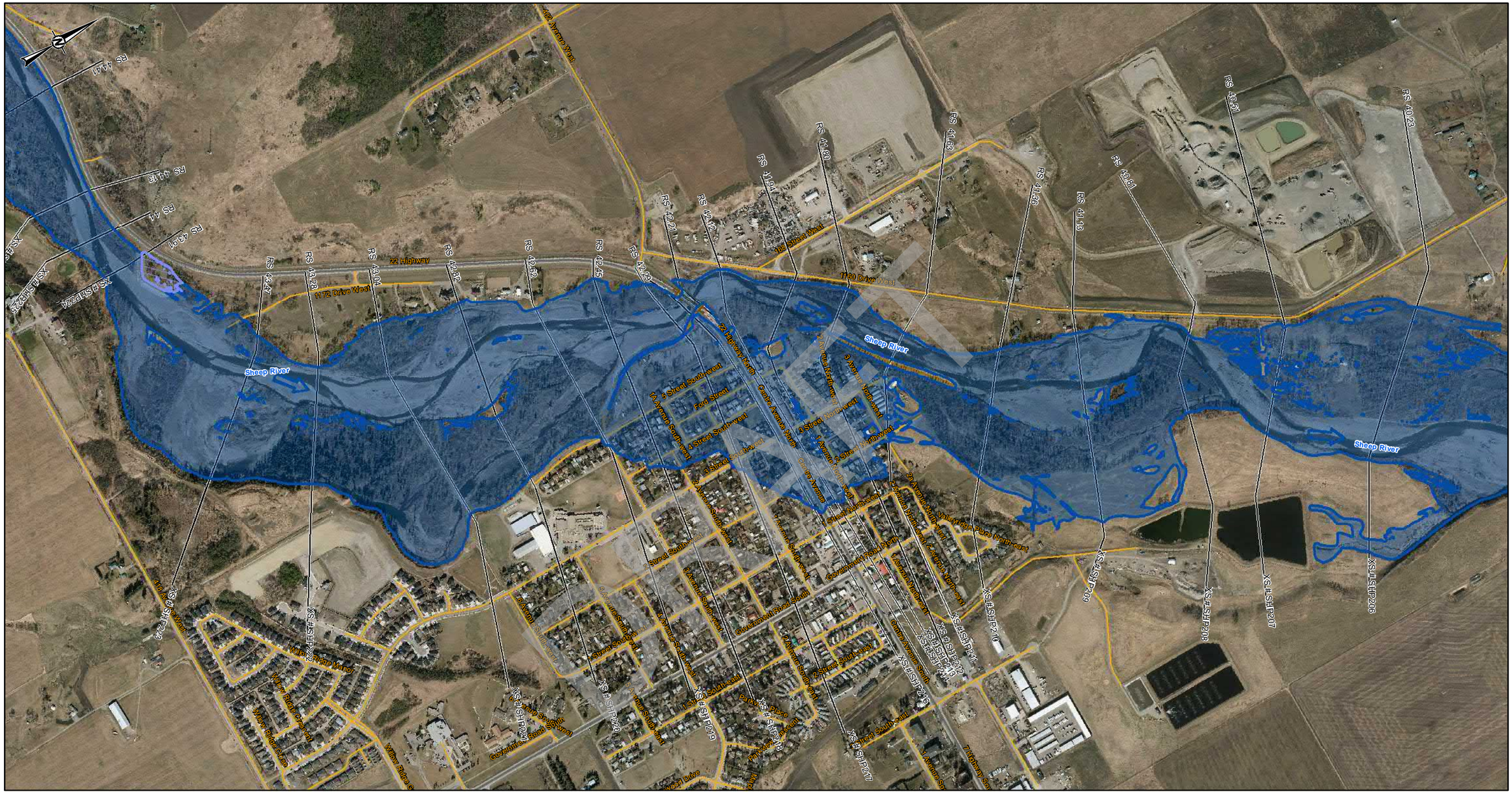
SHEET 5 ↑

SHEET 7 ↑



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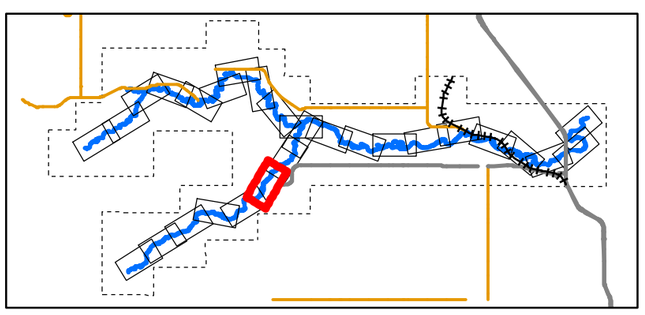
- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m³/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 6 of 28

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

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Classification: Public

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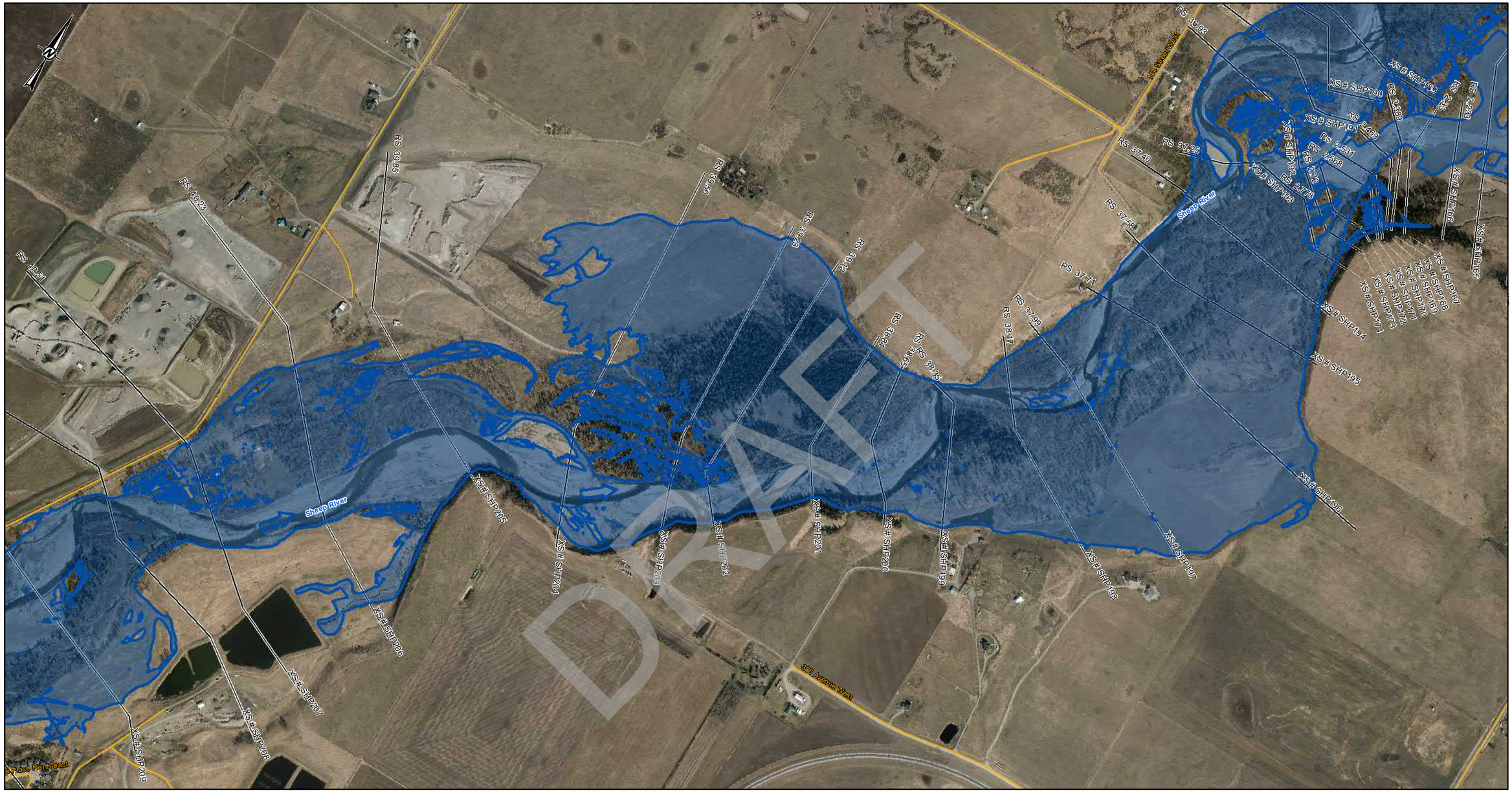


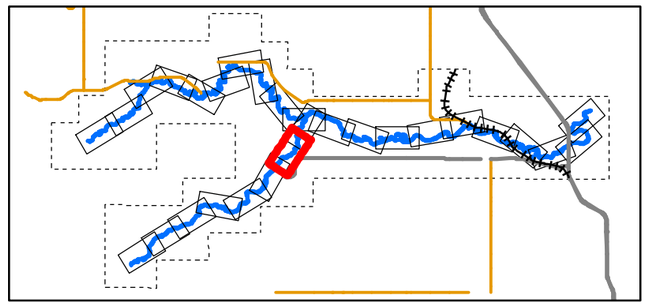
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 787 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 7 of 28

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Classification: Public

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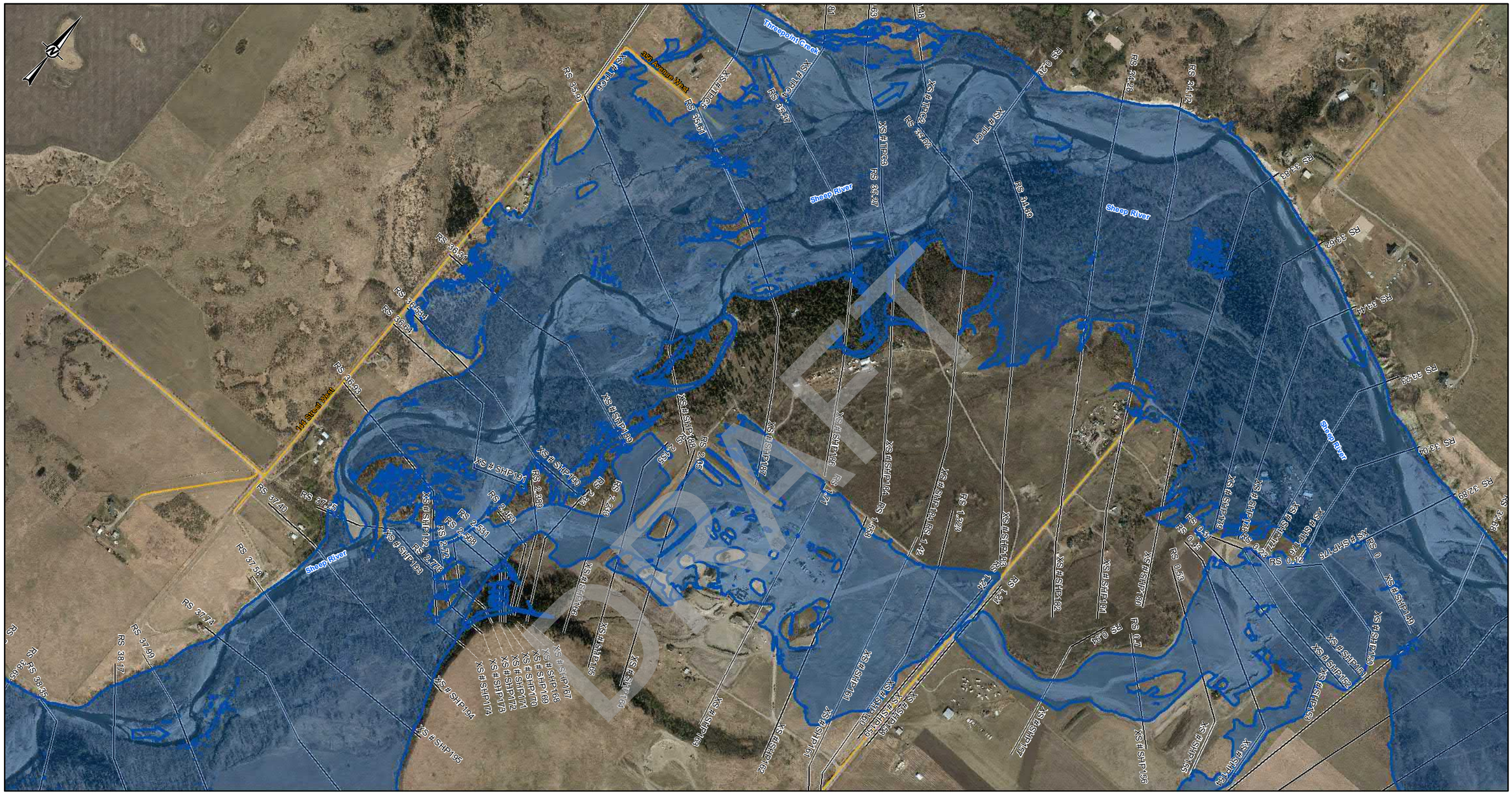

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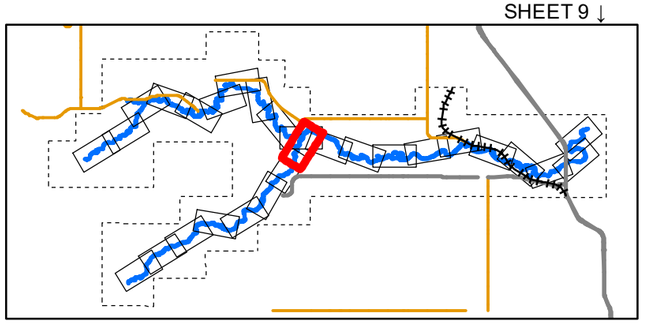

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- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 616 m ^{3}/s
SHEEP RIVER= 787 m^3/s
SHEEP RIVER= 1403 m ^{3}/s (DS- RS 34.28)

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 8 of 28

DRAFT

Classification: Public

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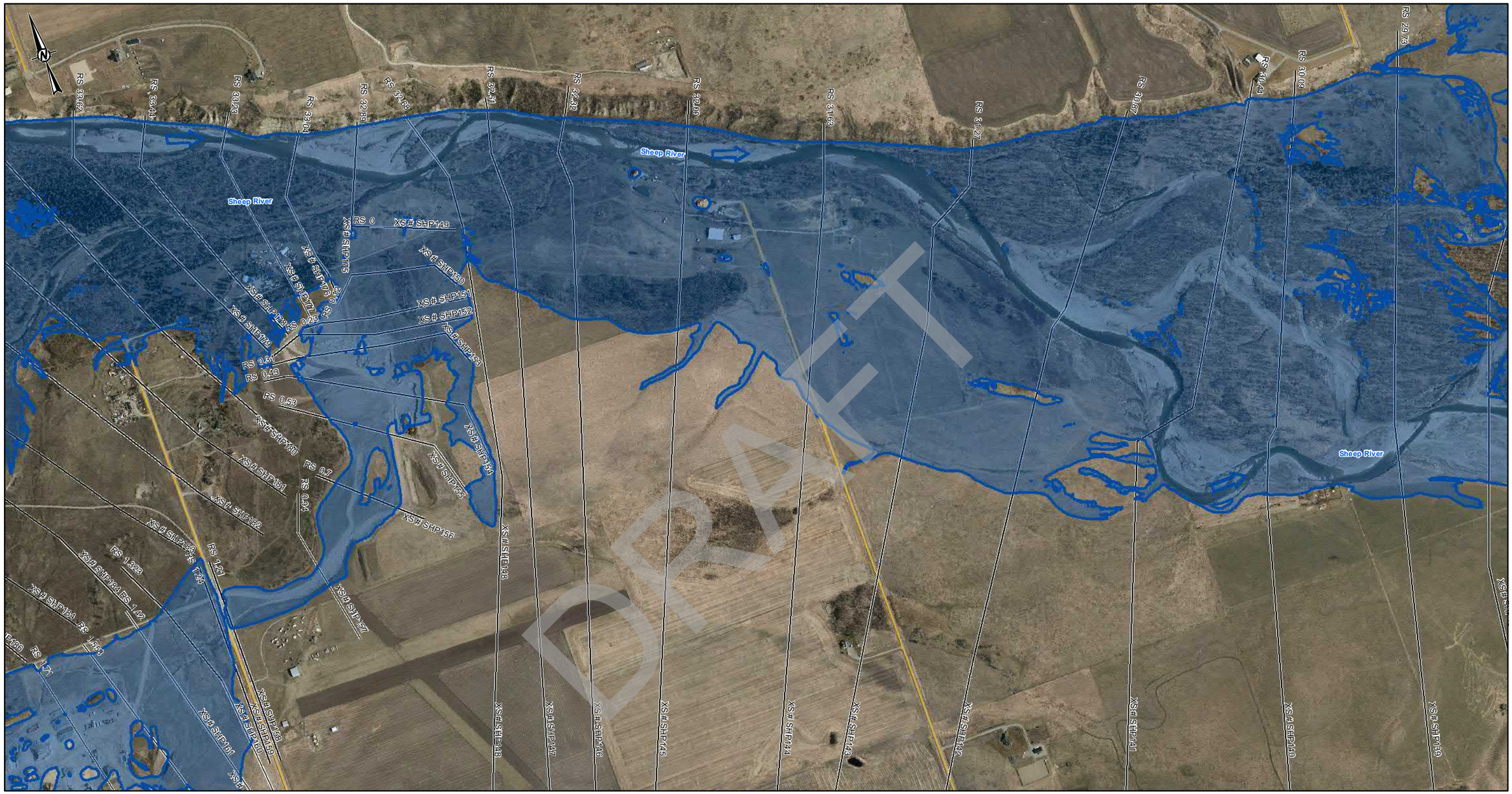

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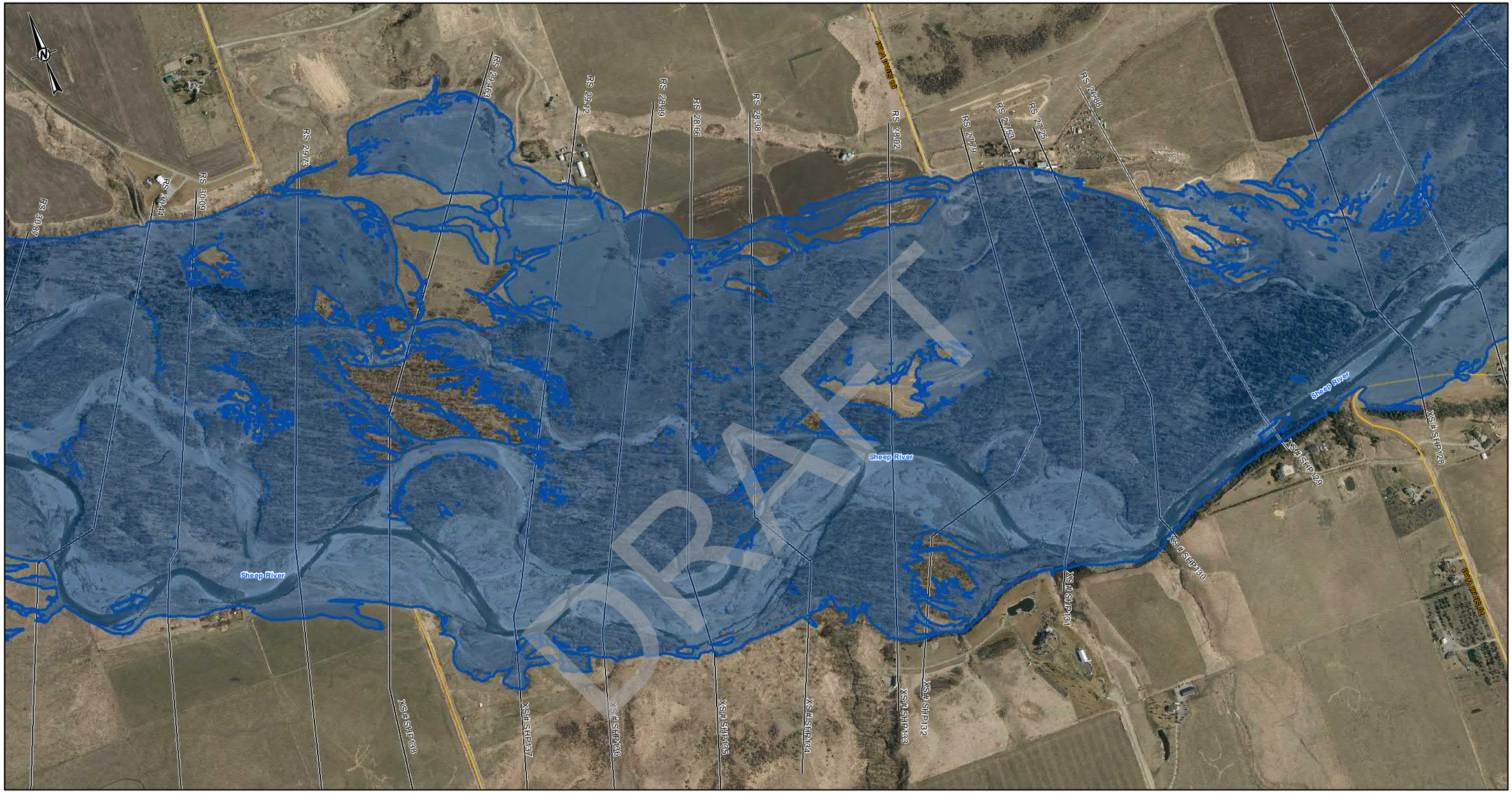

DRAFT

LEGEND

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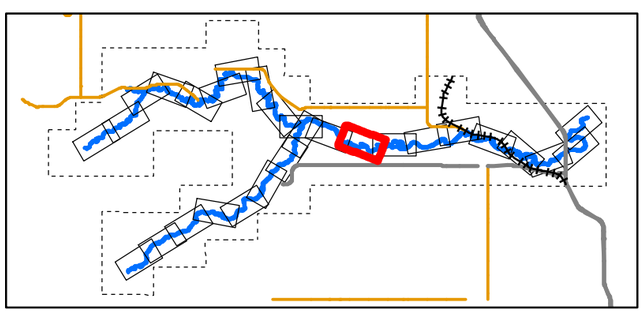
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1300 m^3/s



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Alberta Government

CONSULTANT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 10 of 28

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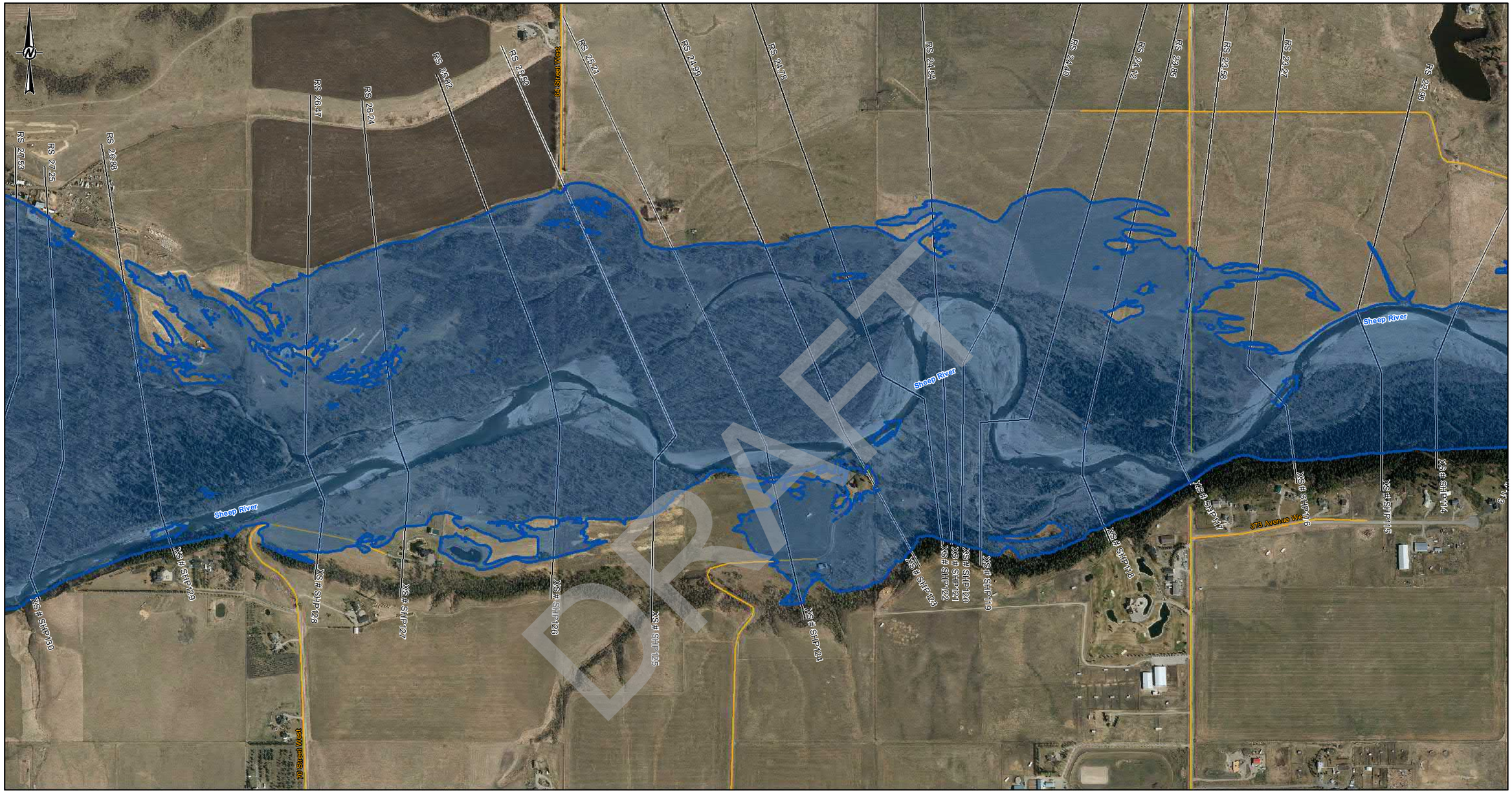

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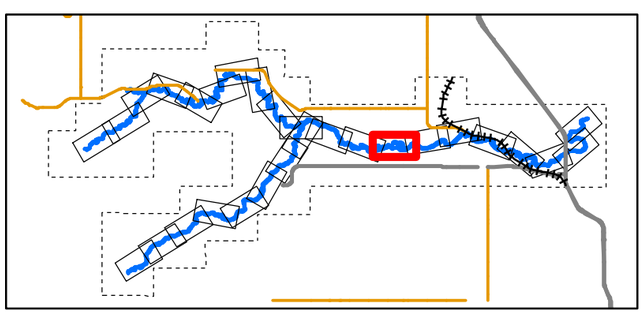
100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1300 m^3/s



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PROJECT
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100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 11 of 28

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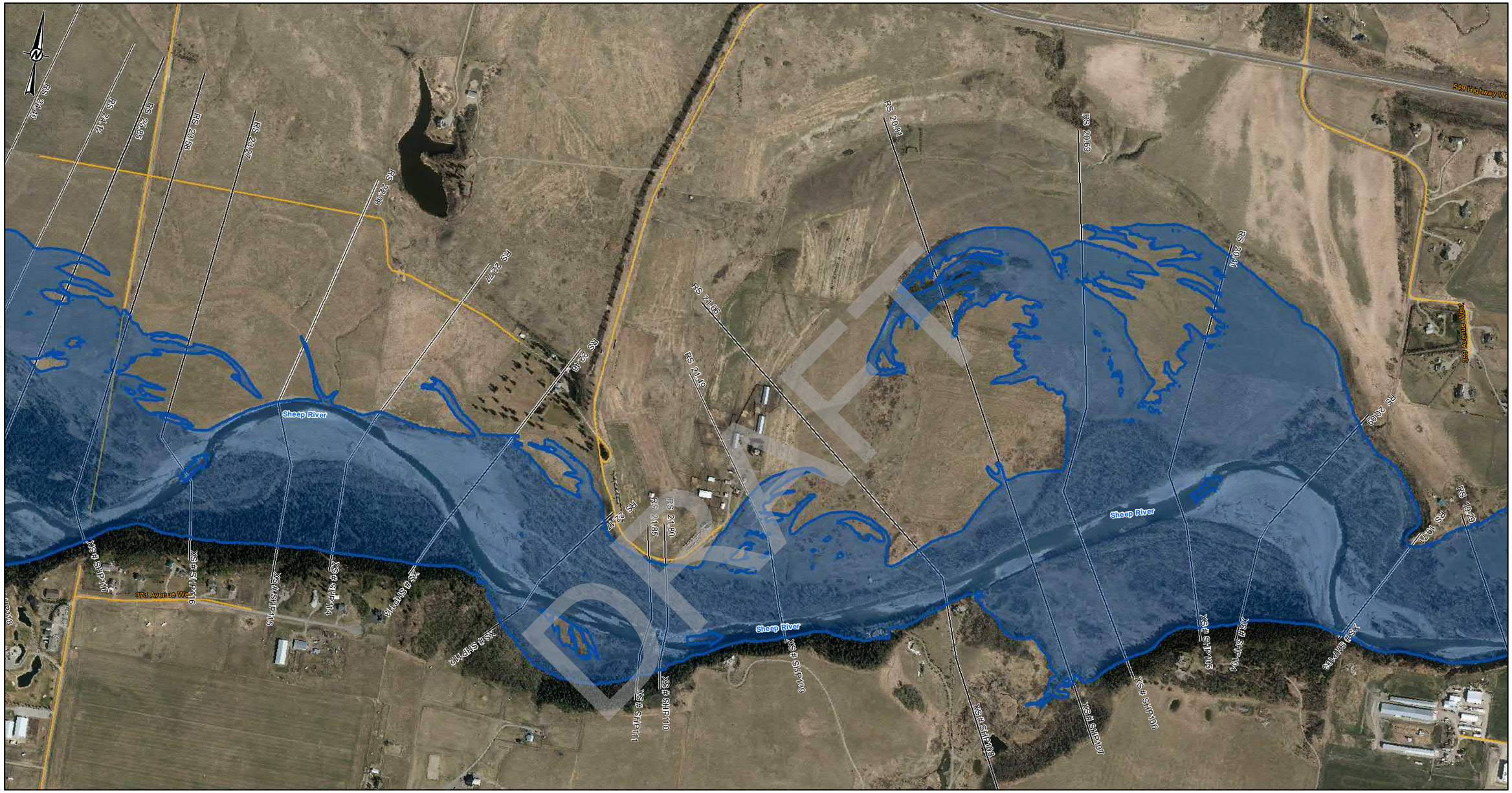

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LEGEND

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100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
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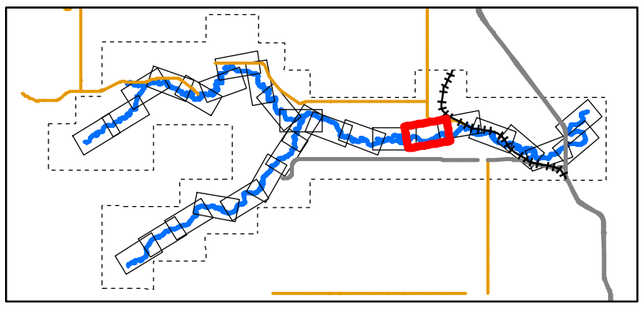

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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 12 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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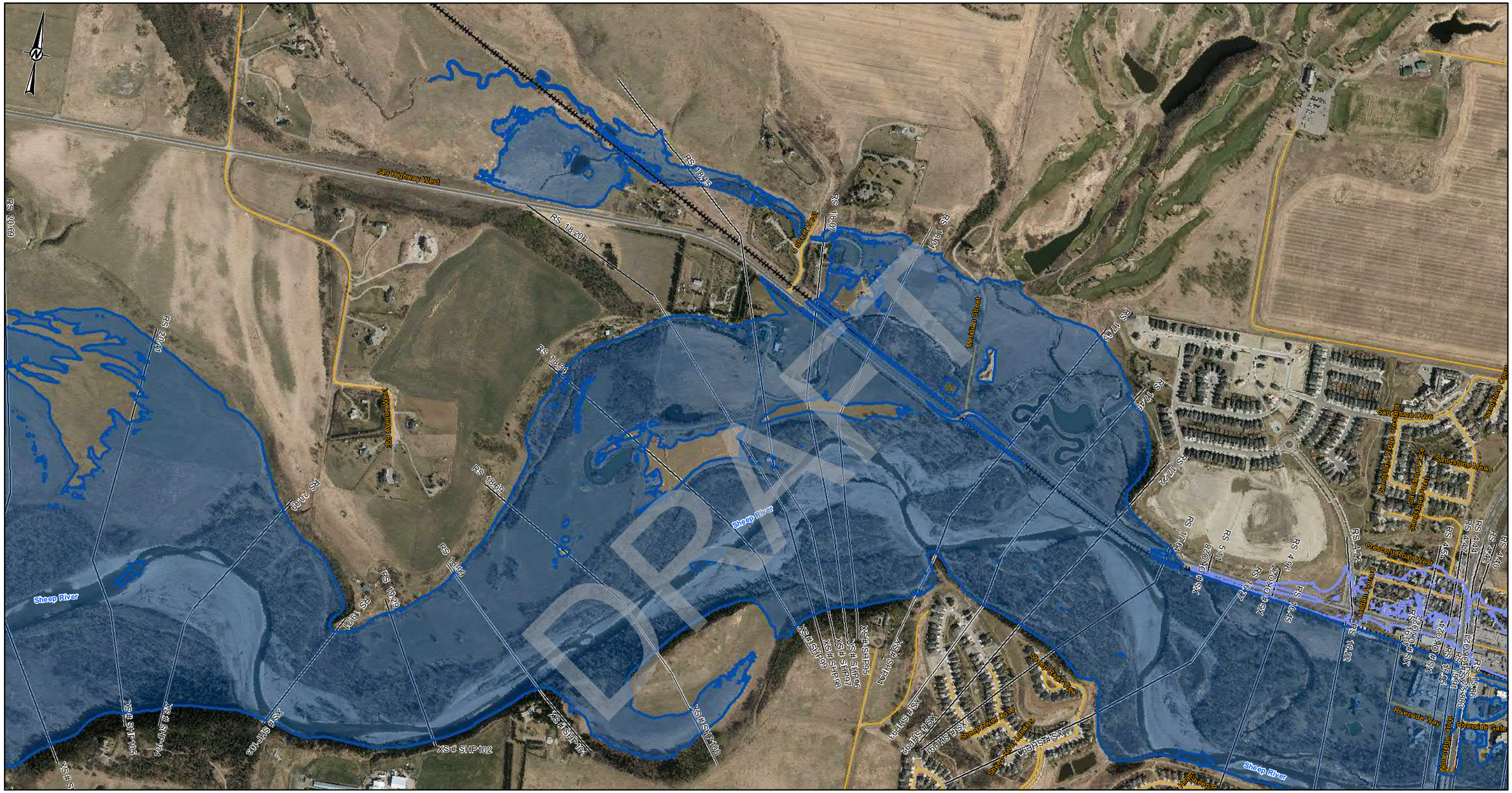
C:\Projects\WATERPOWER\12456\SPECIALIST_APPS\MEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEPDELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 12 ↑

SHEET 14 ↑



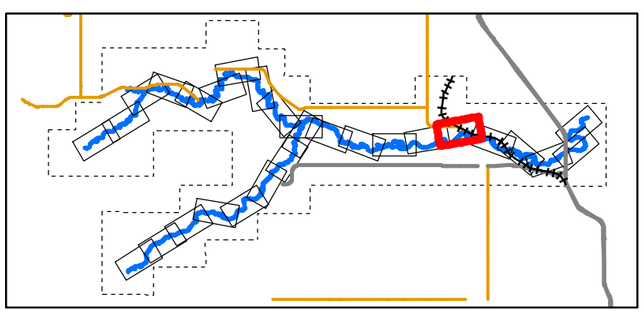
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1300 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 13 of 28

Classification: Public

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0 25mm

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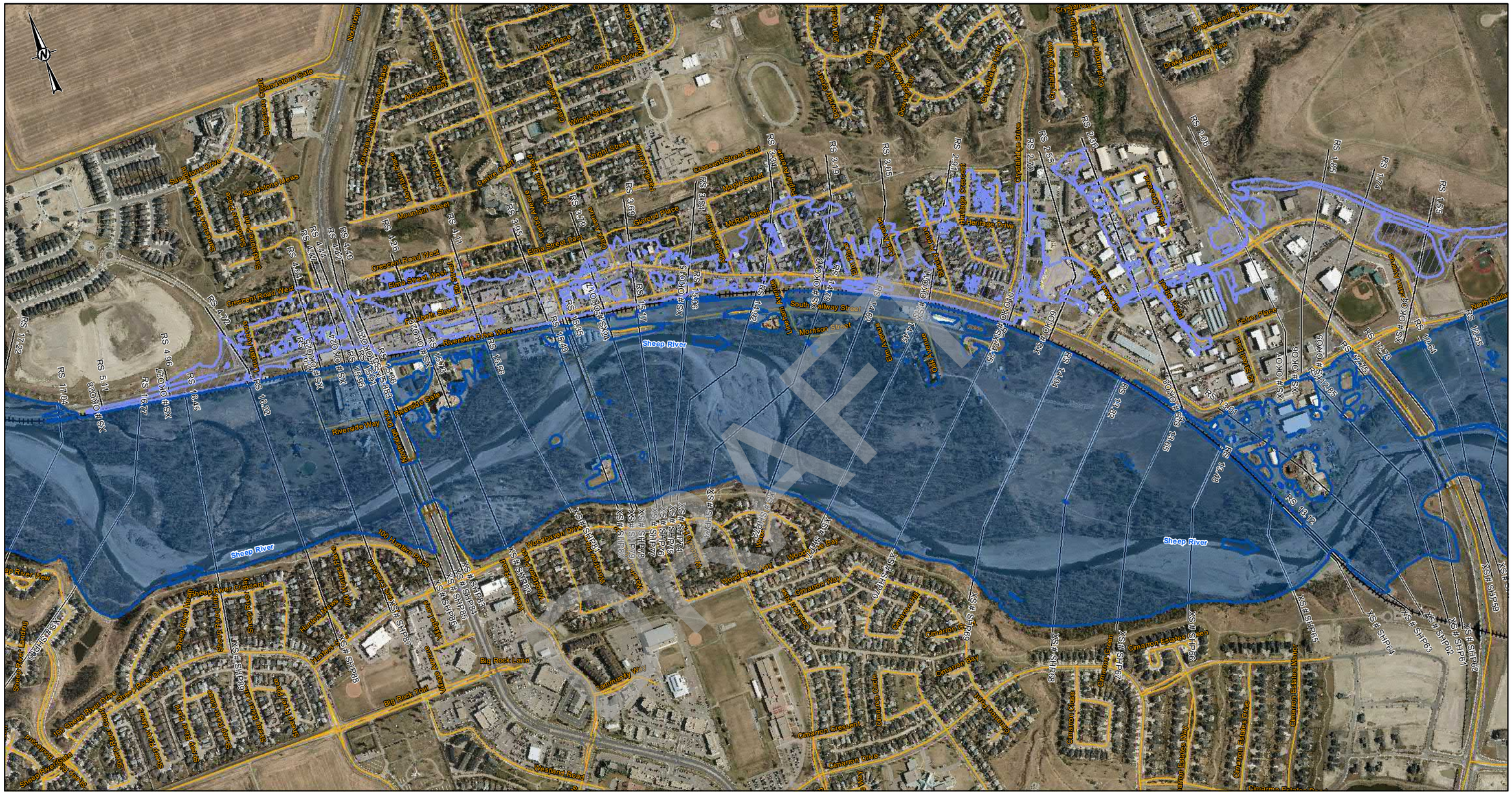
SHEET 13 ↑

SHEET 15 ↑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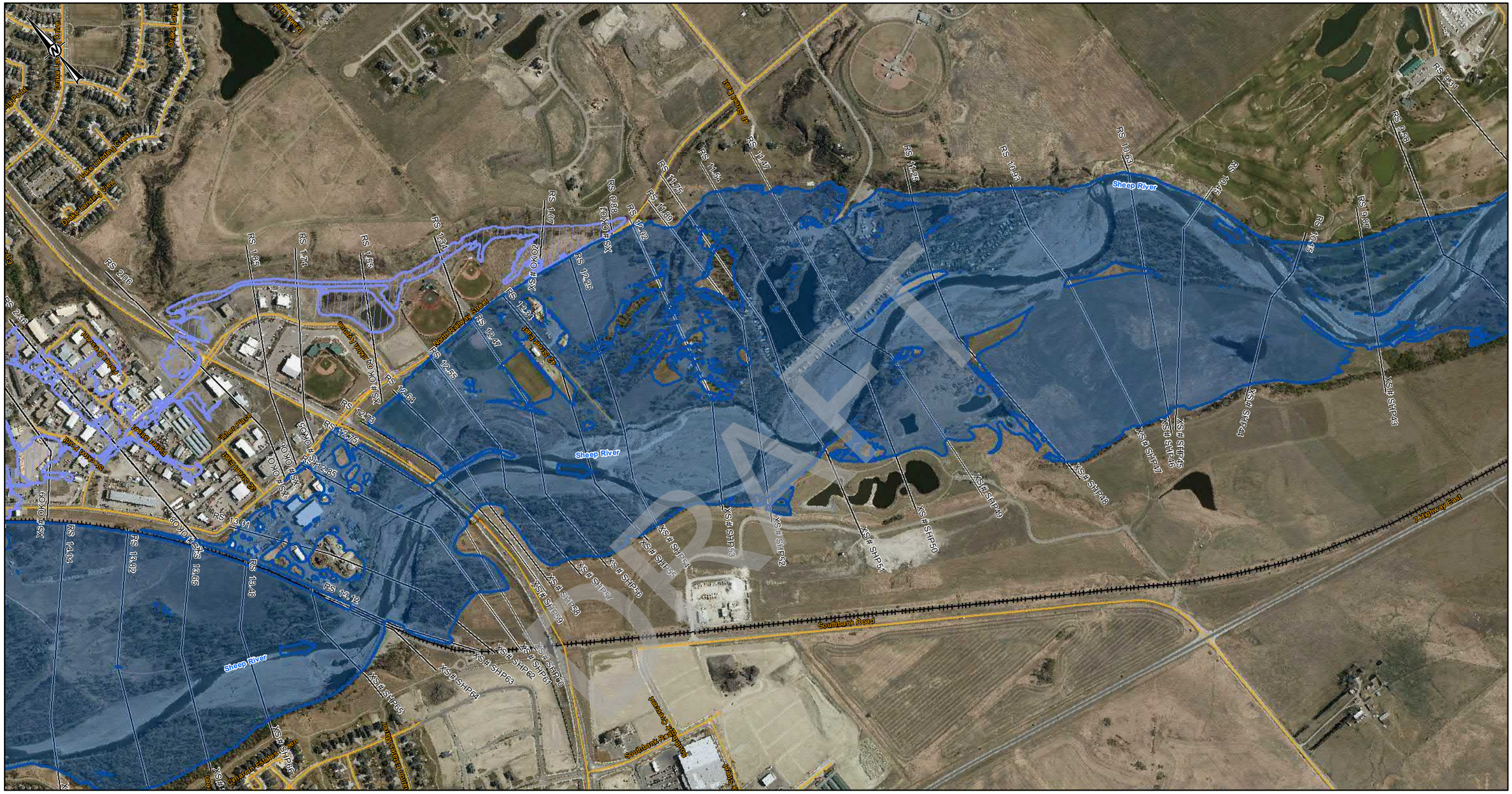
Big Rock Lane
Riverside Drive West
Riverside Gate
Riverside Way
Mountain Street
Crescent Road West
Elma Street East
Elma Street West
Gaylord Place
Maple Street
McRae Street
Knight Street
Centre Court
Alcock Street
Mesh Street
Crescent Street East
Sandstone Mews
Sandstone Drive
Sandstone Gate
Sandstone Landing
Sandstone Place
Sandstone Way
Sandstone Crescent
Sandstone Close
Sandstone Green
Sandstone Manor
Sandstone Rise
Sandstone Terrace
Sandstone Heights
Sandstone Hill
Sandstone Point
Sandstone Ridge
Sandstone Square
Sandstone Villa
Sandstone Vista
Sandstone View
Sandstone Walk

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
North Railway Street
Cemetery Road
Cemetery Road
Fisher Street
Fisher Street
Fisher Place
Fisher Place
Dalton Drive
Dalton Drive
Dalton Landing Crescent
Dalton Landing Crescent
Dalton Landing Place
Dalton Landing Place
Dalton Landing Way
Dalton Landing Way
Dalton Landing Point
Dalton Landing Point
Dalton Landing Cove
Dalton Landing Cove
Dalton Landing Bay
Dalton Landing Bay
Dalton Landing Green
Dalton Landing Green
Dalton Landing Terrace
Dalton Landing Terrace
Dalton Landing Manor
Dalton Landing Manor
Dalton Landing Rise
Dalton Landing Rise
Dalton Landing Heights
Dalton Landing Heights
Dalton Landing Estates
Dalton Landing Estates
Dalton Landing Estates

SHEET 15 ↑

SHEET 17 ↑

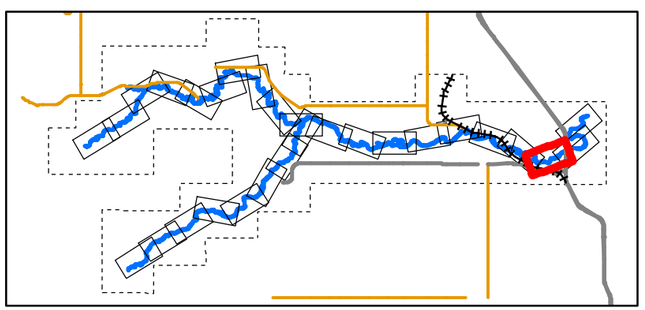
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1370 m^3/s



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1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 16 of 28

DRAFT

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0 25mm

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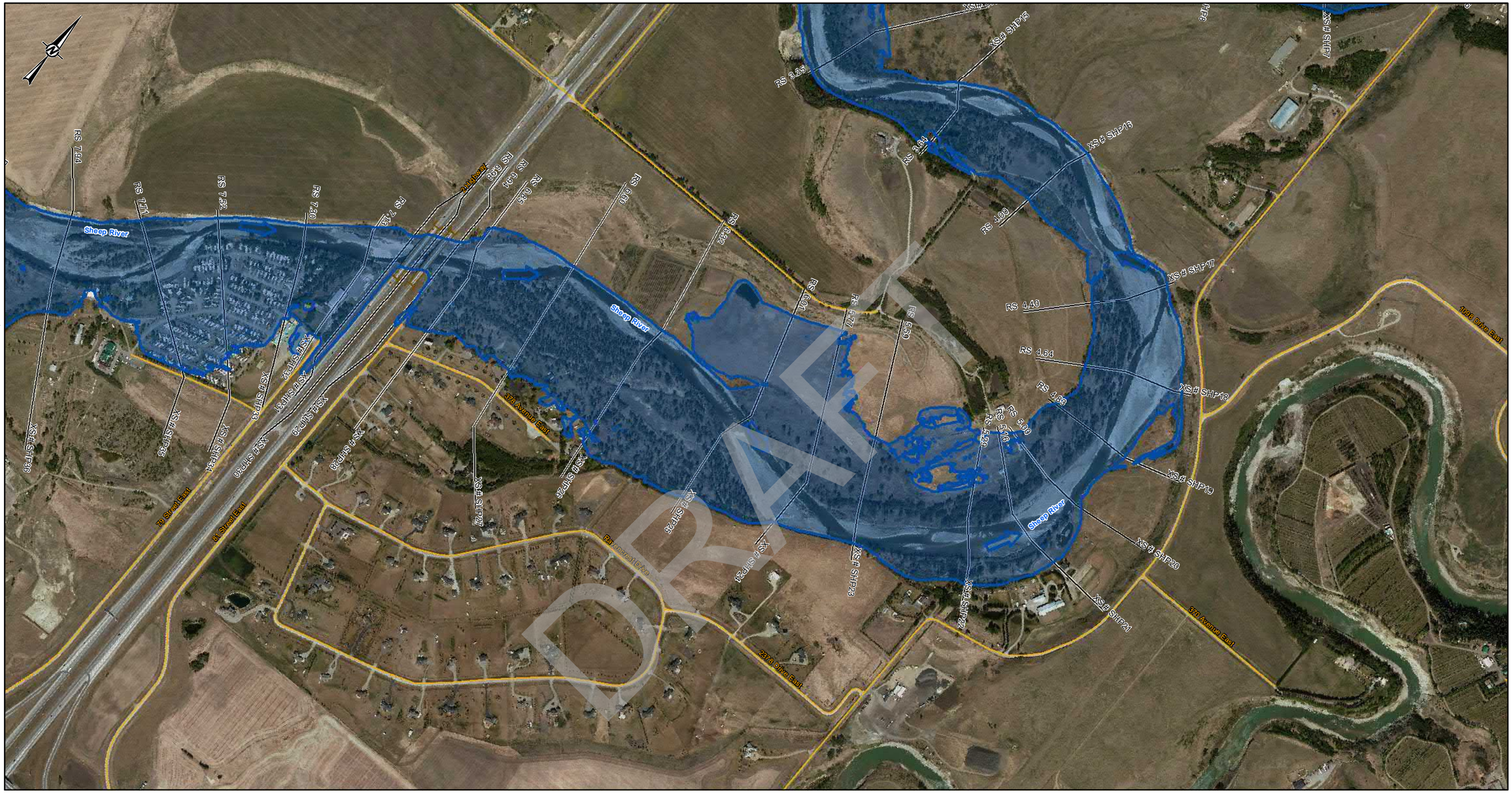
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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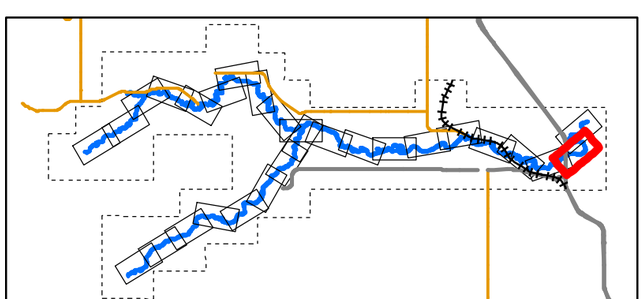
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1370 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 17 of 28

DRAFT

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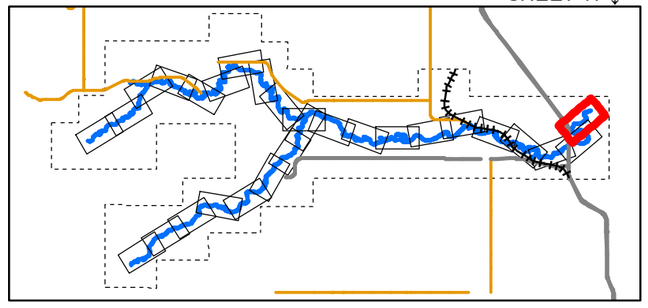
Classification: Public

SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
SHEEP RIVER= 1370 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 18 of 28

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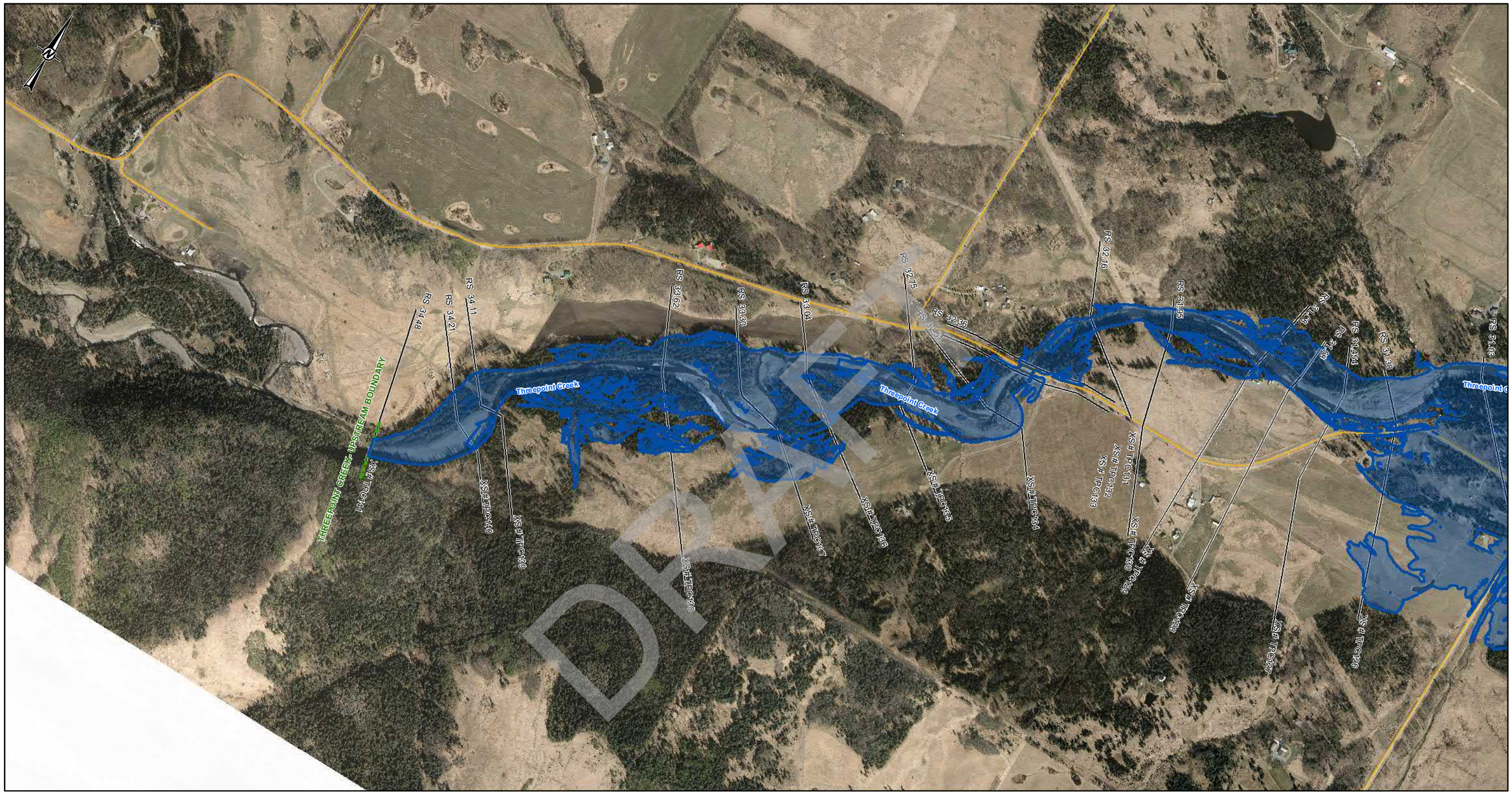
Classification: Public



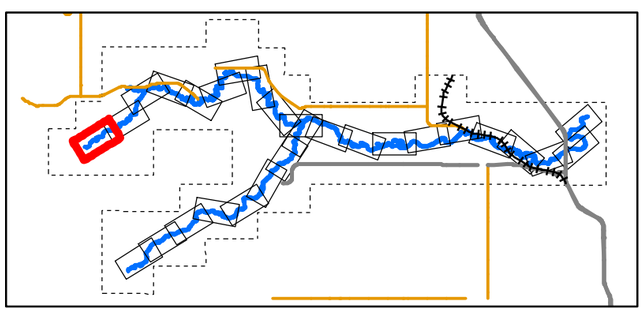
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 246 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 19 of 28

SHEET 20 ↑

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Classification: Public

SHEET 19 ↑

SHEET 21 ↑

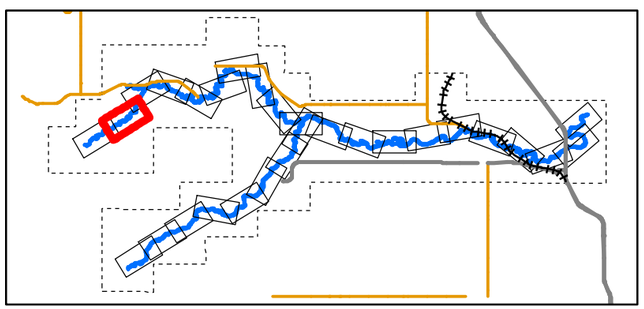
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 246 m^3/s



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ALBERTA ENVIRONMENT AND PARKS

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HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 20 of 28

DRAFT

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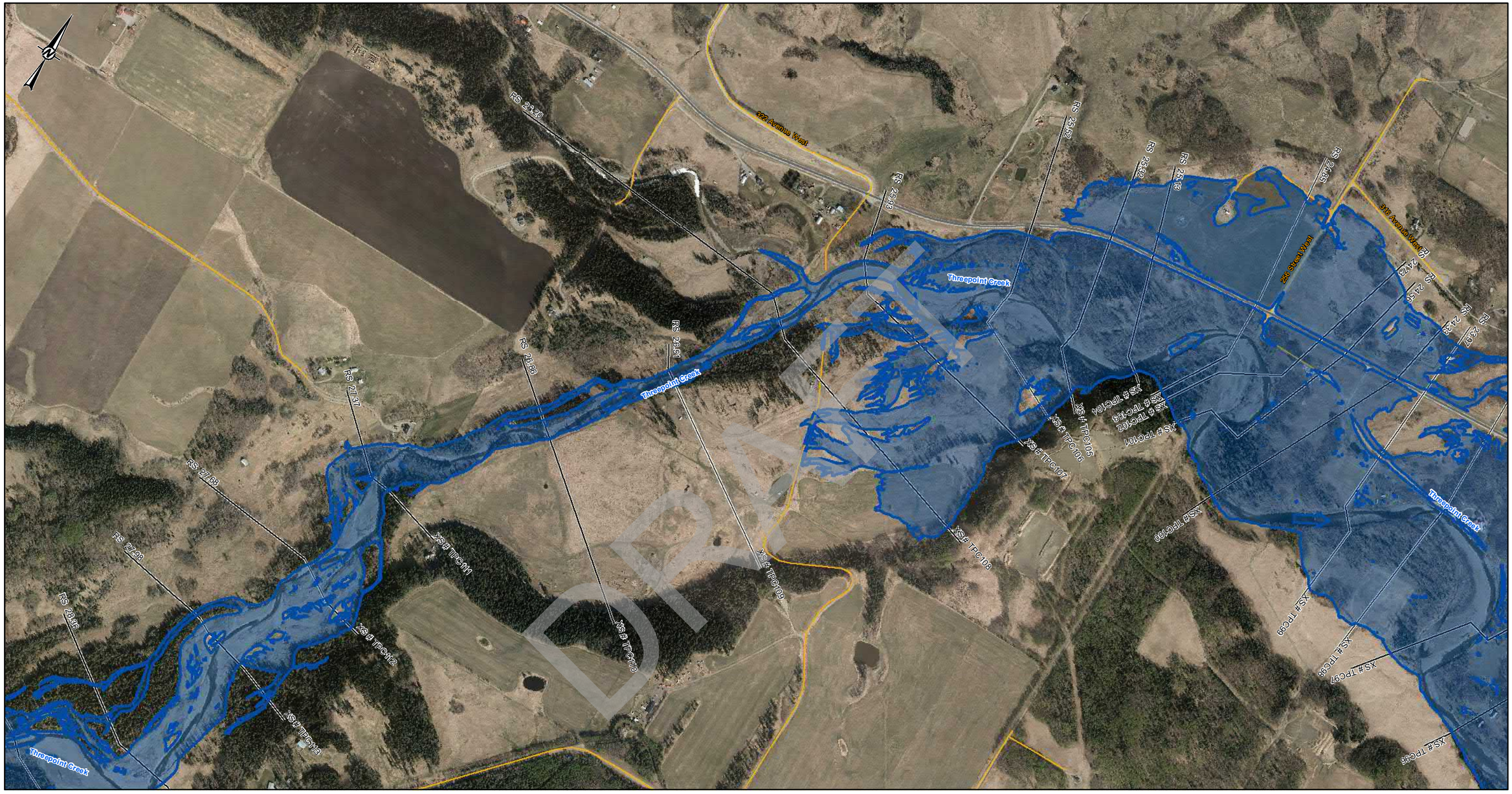
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



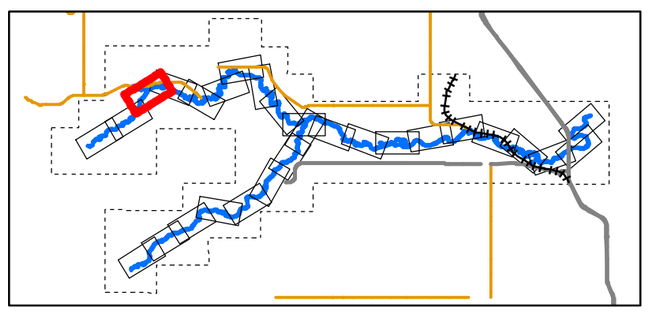
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 246 m^3/s
THREEPOINT CREEK= 495 m^3/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 21 of 28

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0 20mm

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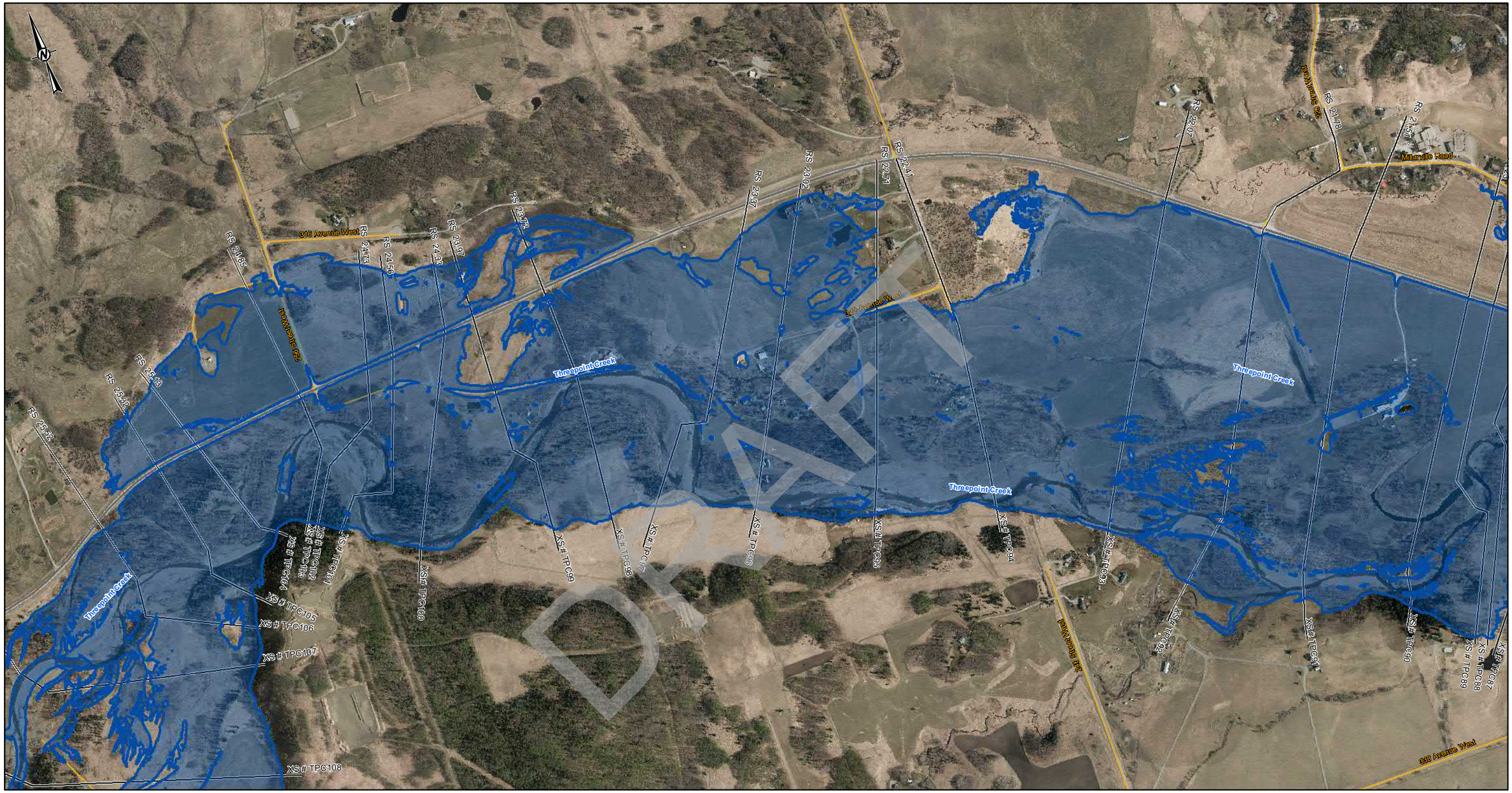
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



DRAFT

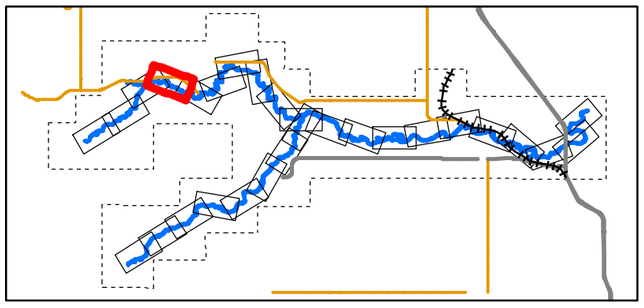
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 495 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 22 of 28

Classification: Public

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25mm
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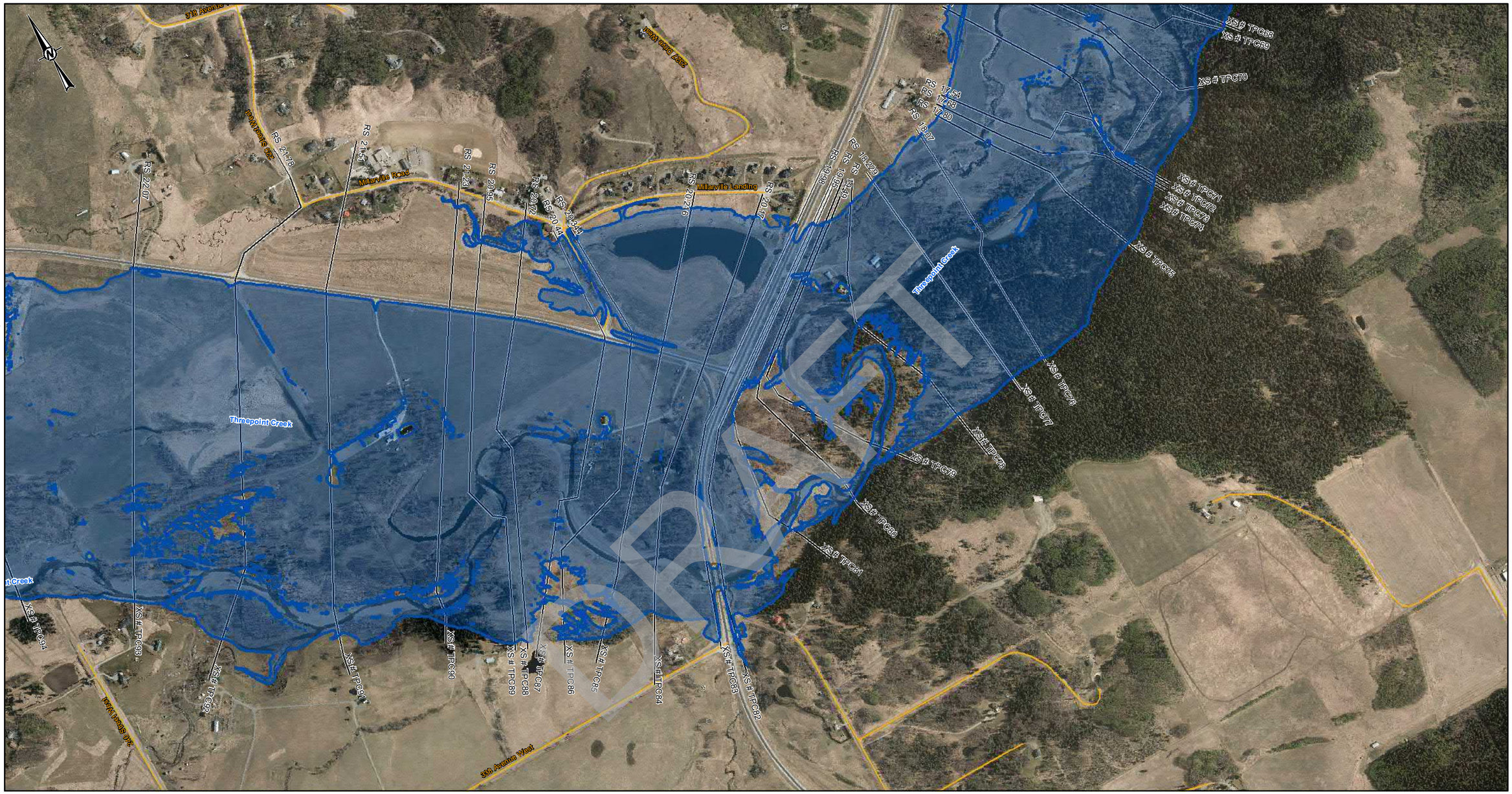
SHEET 24 ↑

SHEET 22 ↑



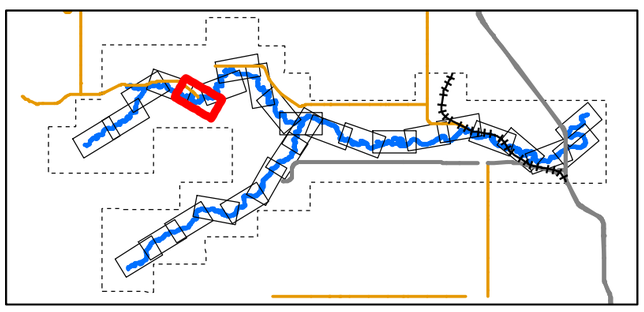
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 495 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 23 of 28

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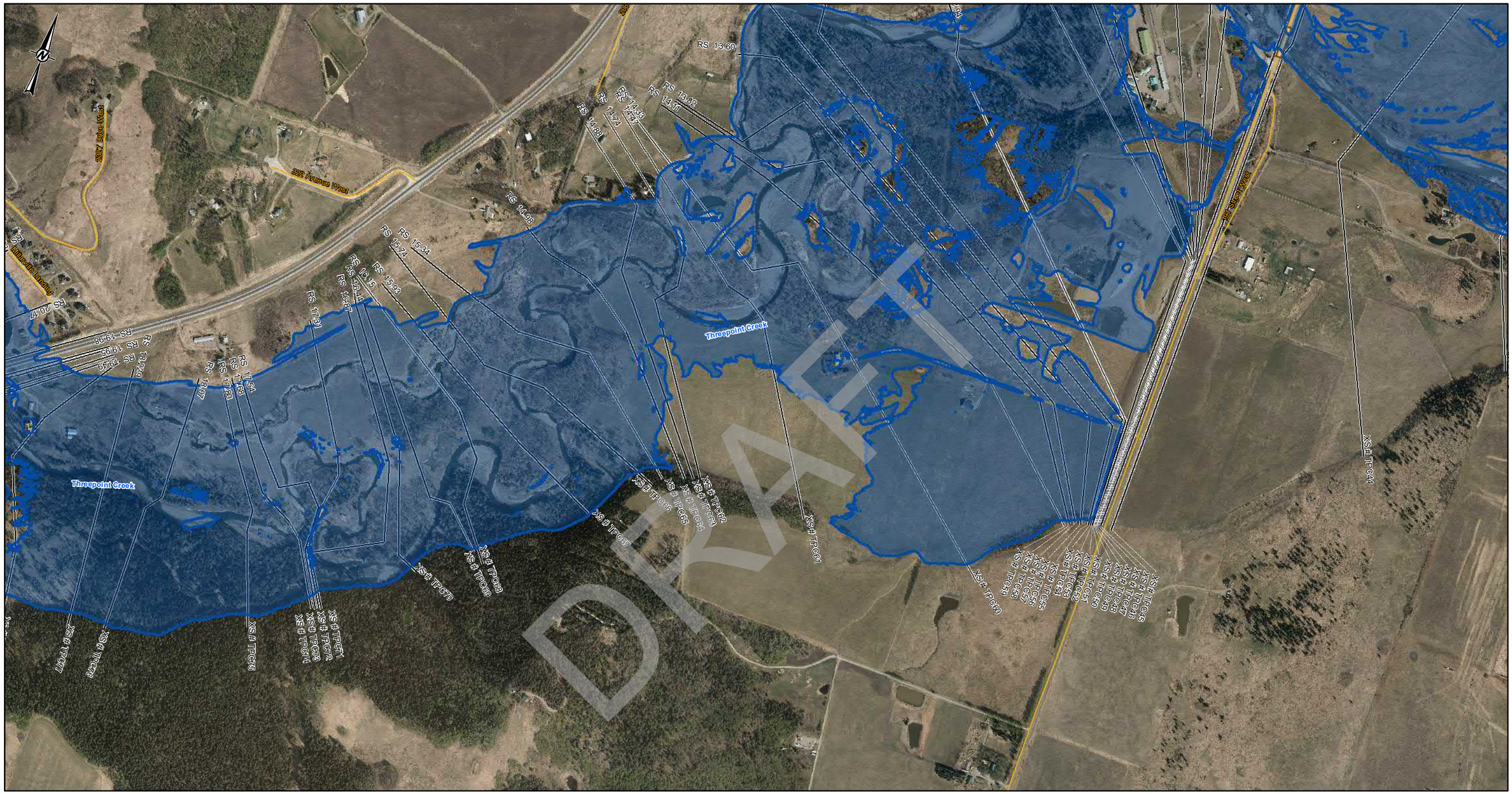
25mm
0

Classification: Public

SHEET 23 ↑

SHEET 25 ↑



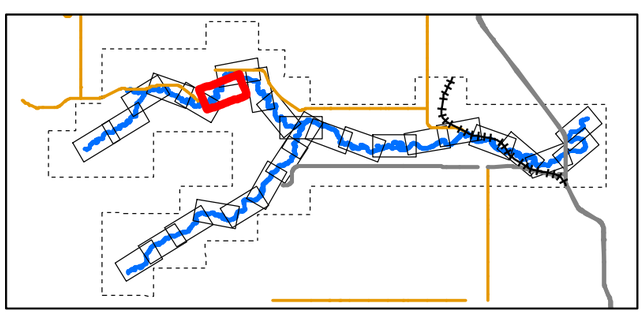
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 495 m^3/s
THREEPOINT CREEK= 616 m^3 (DS- RS 14.98)



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1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 24 of 28

Classification: Public

C:\Projects\WATERPOWER\228\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
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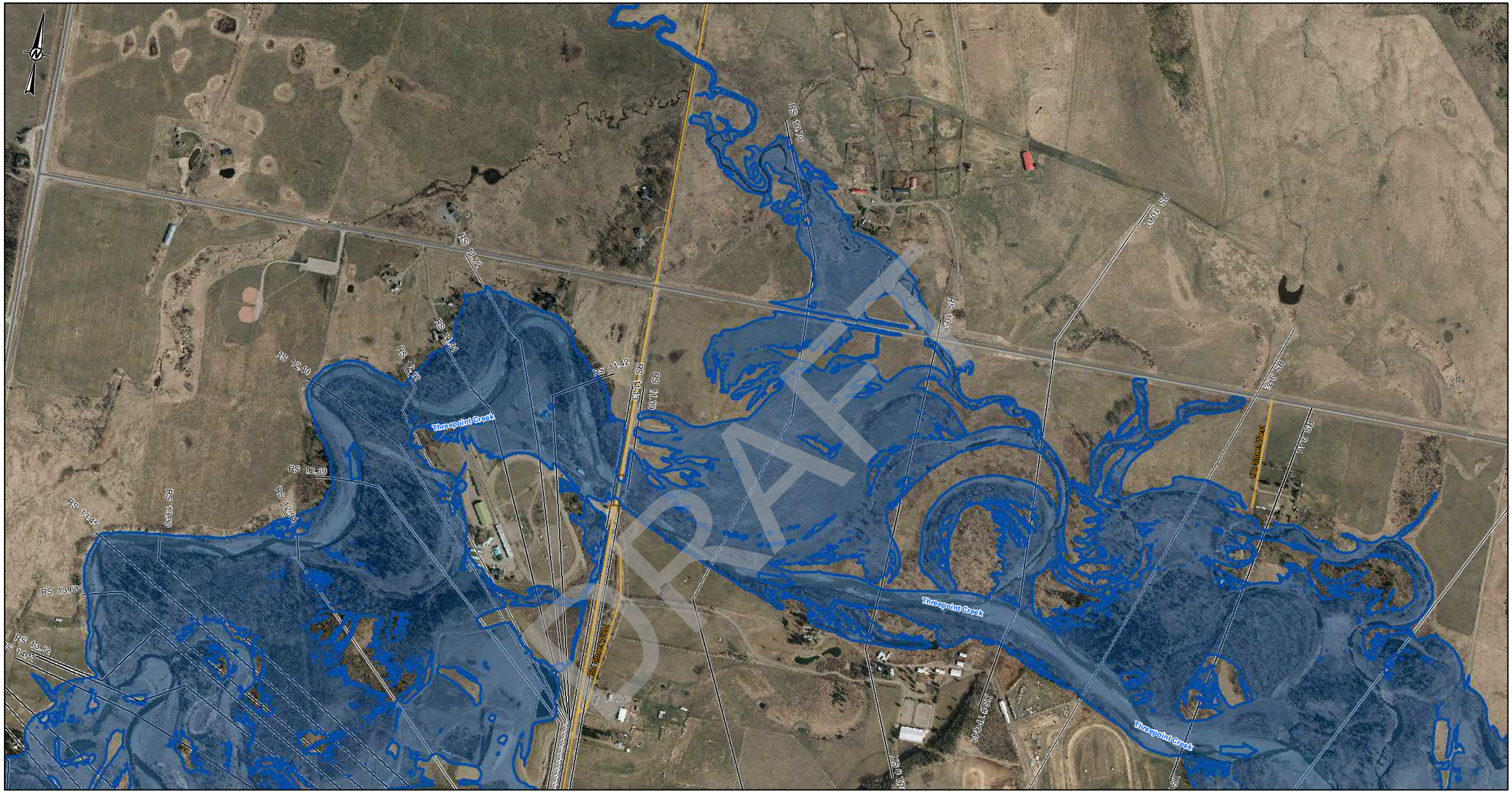
SHEET 24 ↑



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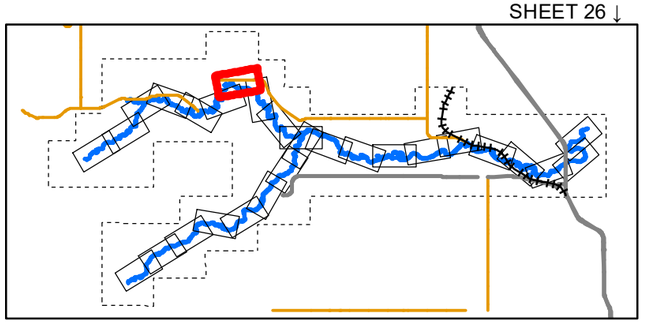

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 616 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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HATCH

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 25 of 28

DRAFT

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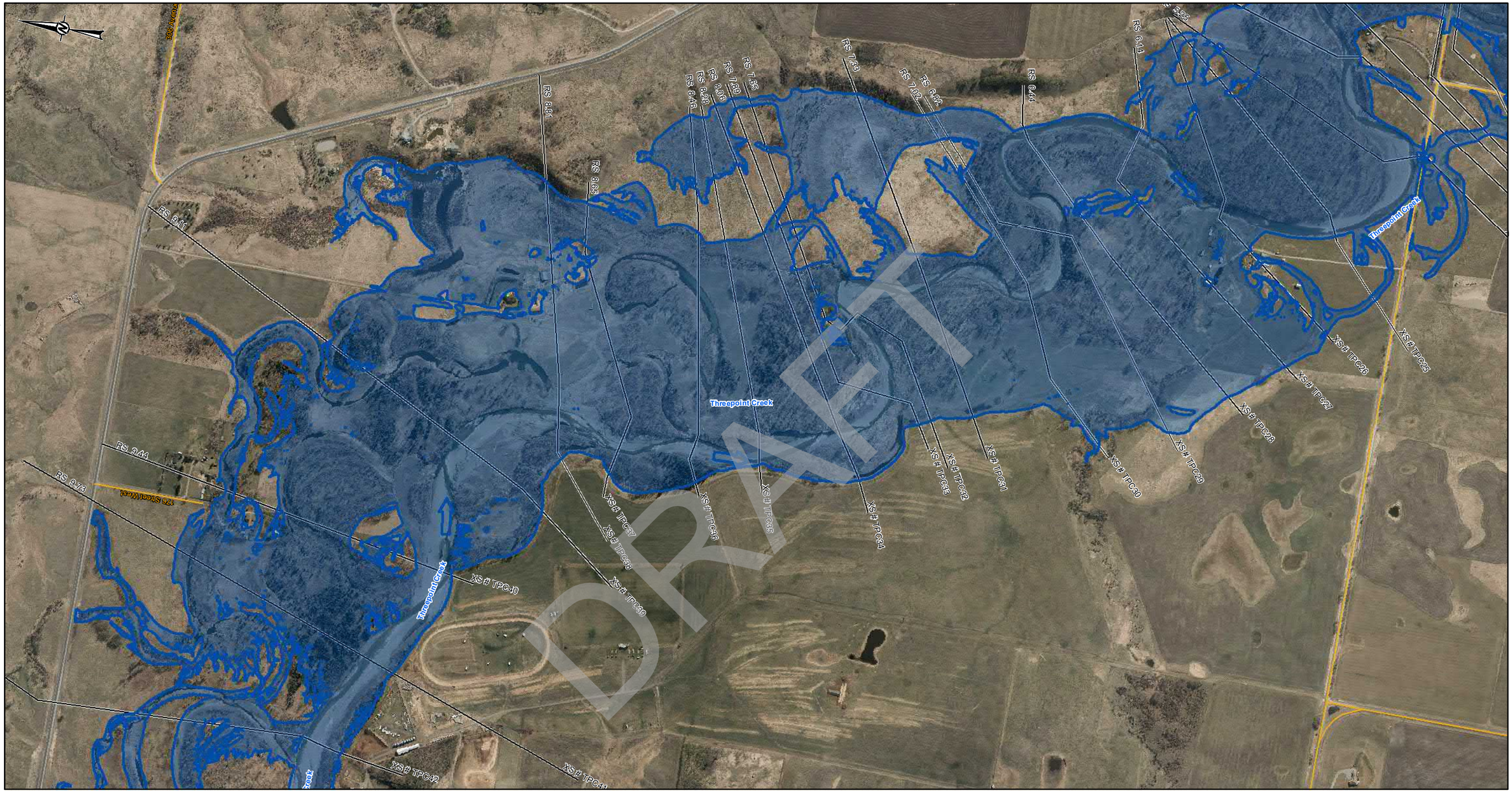
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



DRAFT

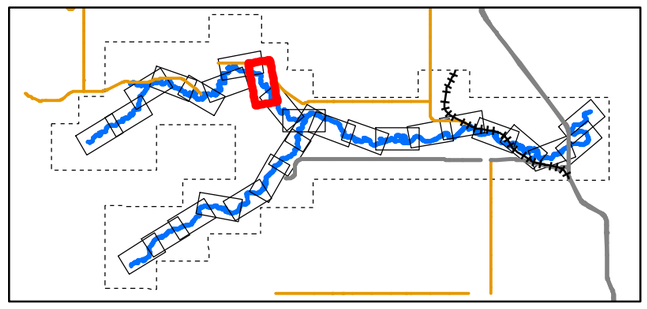
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 616 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 26 of 28

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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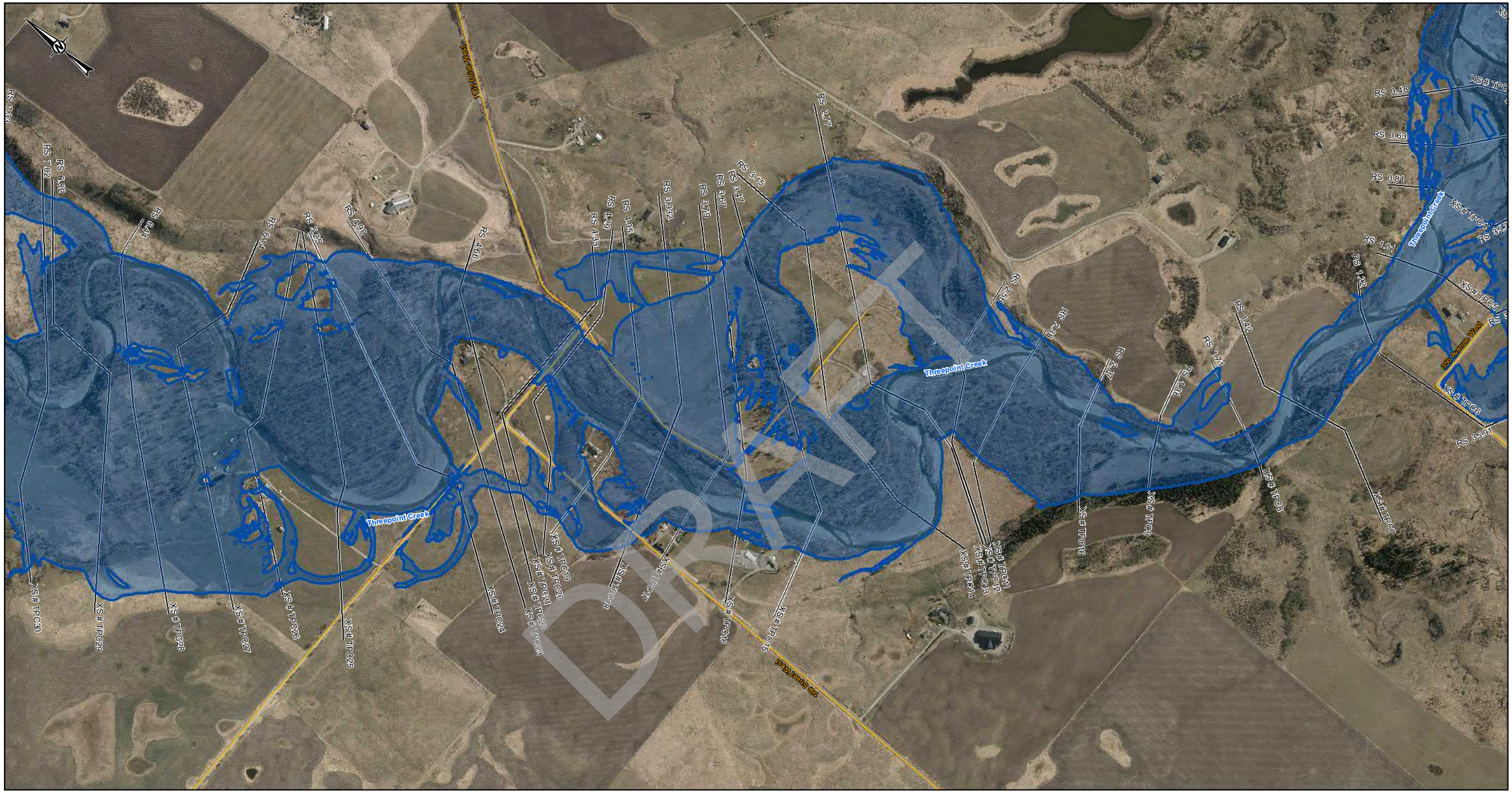
SHEET 26 ↑

SHEET 28 ↑



DRAFT

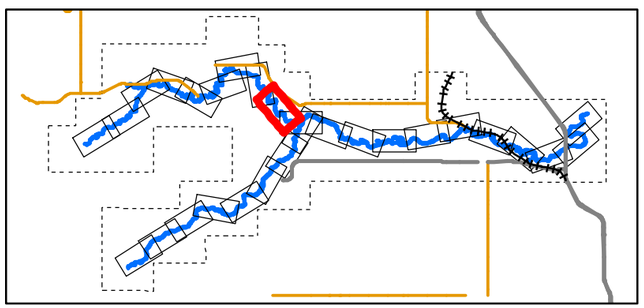
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 616 m³/s



0 50 100 200 300 400
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CLIENT
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 27 of 28

Classification: Public

\\cgyvdata01\projects\WATERPOWER\12456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX_AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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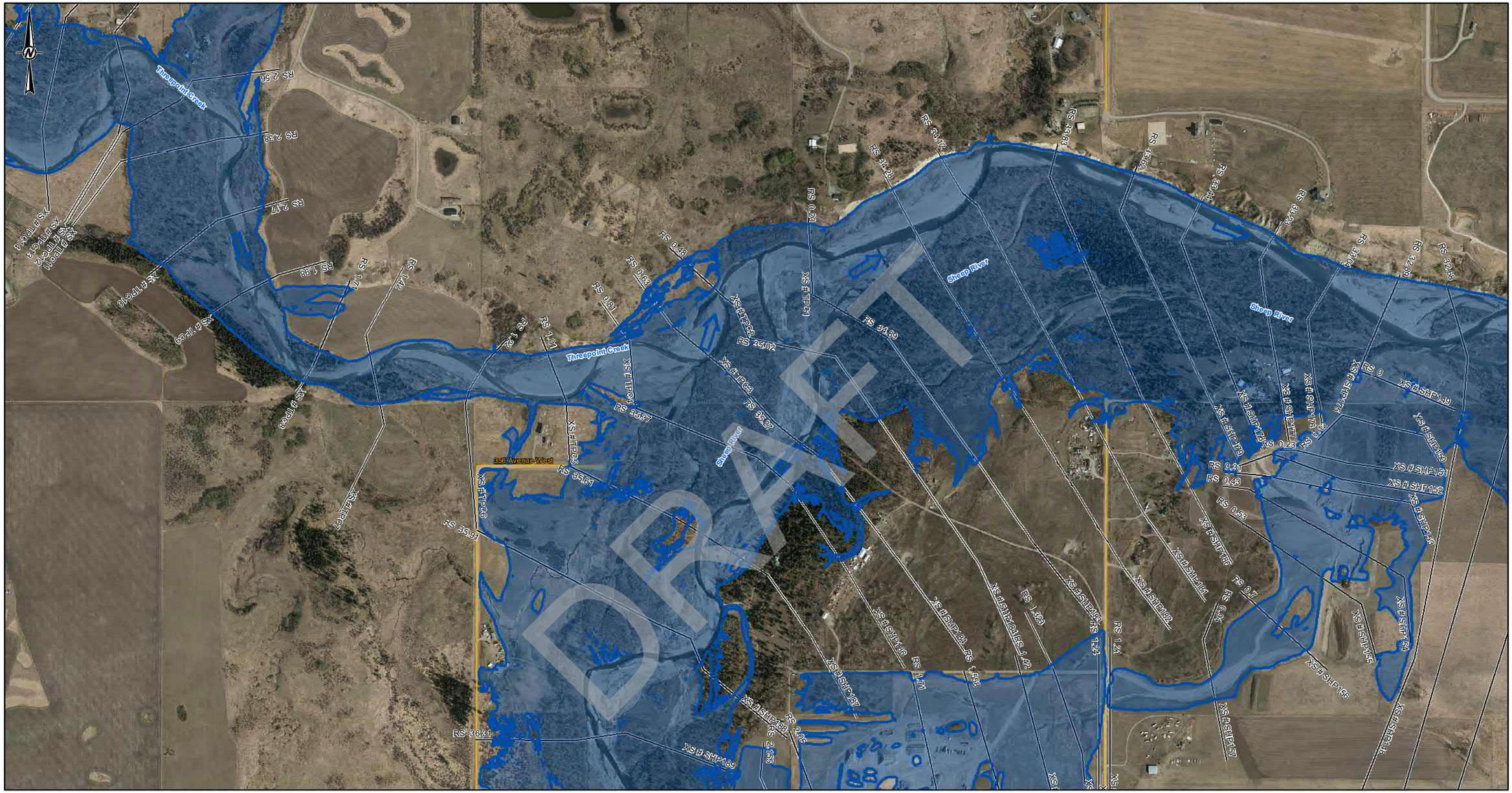
SHEET 27 ↑

SHEET 9 ↑



DRAFT

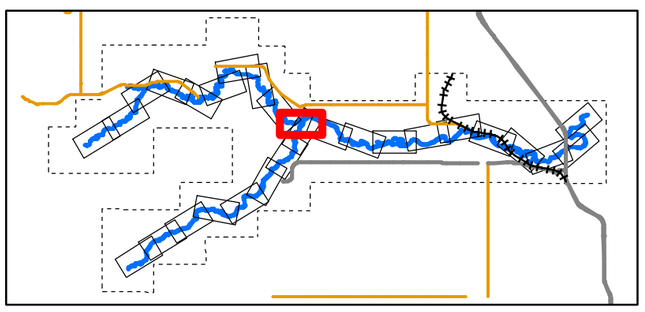
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

100-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA
- FLOOD CONTROL STRUCTURE FAILURE

DISCHARGE
THREEPOINT CREEK= 616 m ^{3}/s
SHEEP RIVER= 787 m^3/s
SHEEP RIVER= 1403 m ^{3}/s (DS- RS 34.28)



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1:10,000 METRES

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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
100- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-272-0008-3333	0	Sheet 28 of 28

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

0 25mm

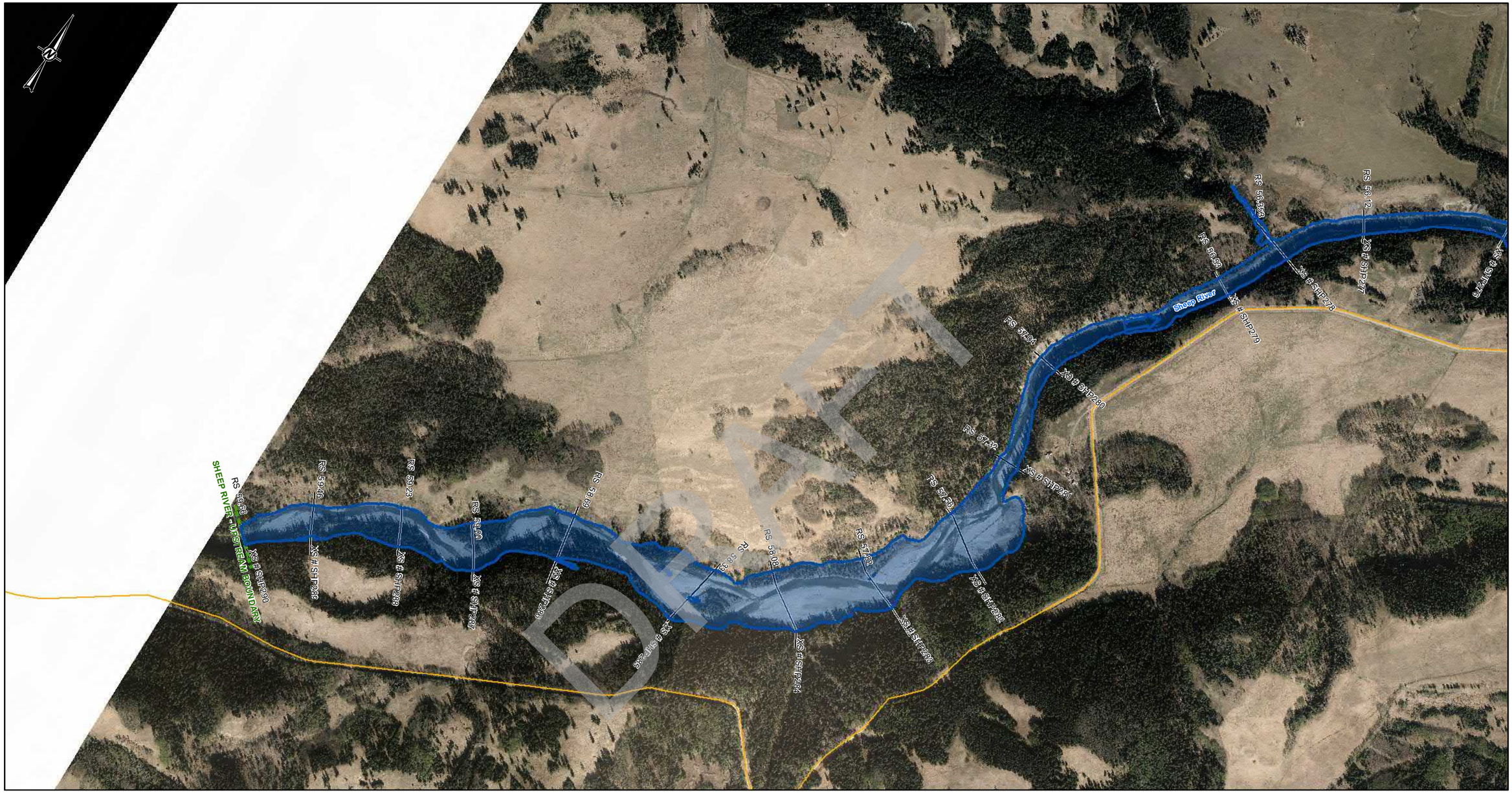
\\cgyfs4\07\projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP DELIVERABLES\GIS (EDO)\DATABASE\FINAL_DELIVERABLES_2022

Classification: Public

200-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

DRAFT

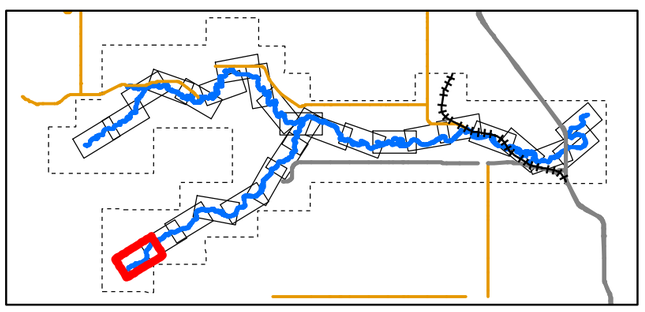
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1050 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 1 of 28

C:\Users\ajalali01\projects\WATERPOWER\12346\8-SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

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

Classification: Public

SHEET 1 ↑

SHEET 3 ↑

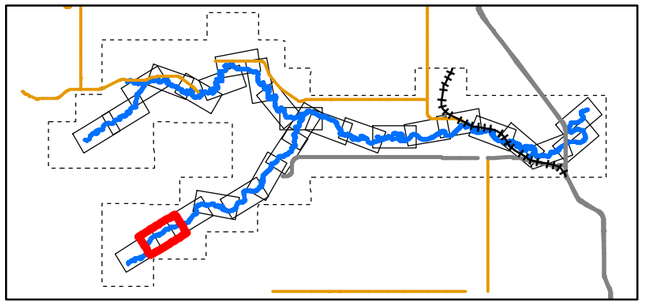
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1050 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 2 of 28

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

25mm

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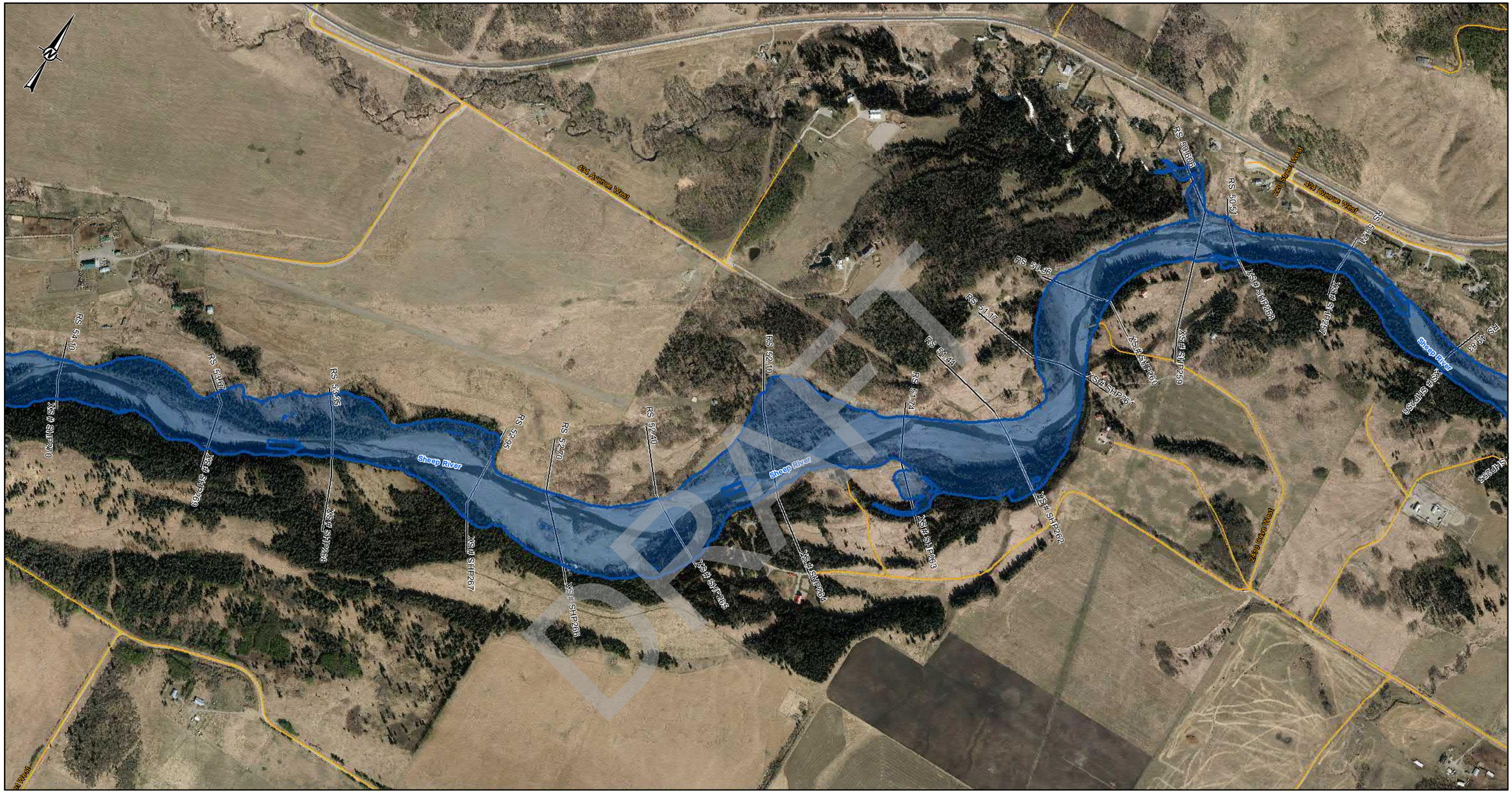
Classification: Public

SHEET 2 ↑

SHEET 4 ↑



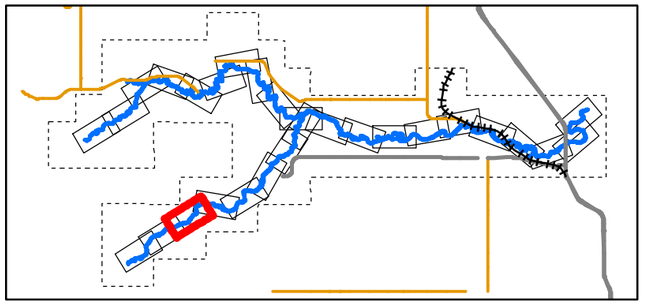
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1050 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 3 of 28

DRAFT

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
25mm
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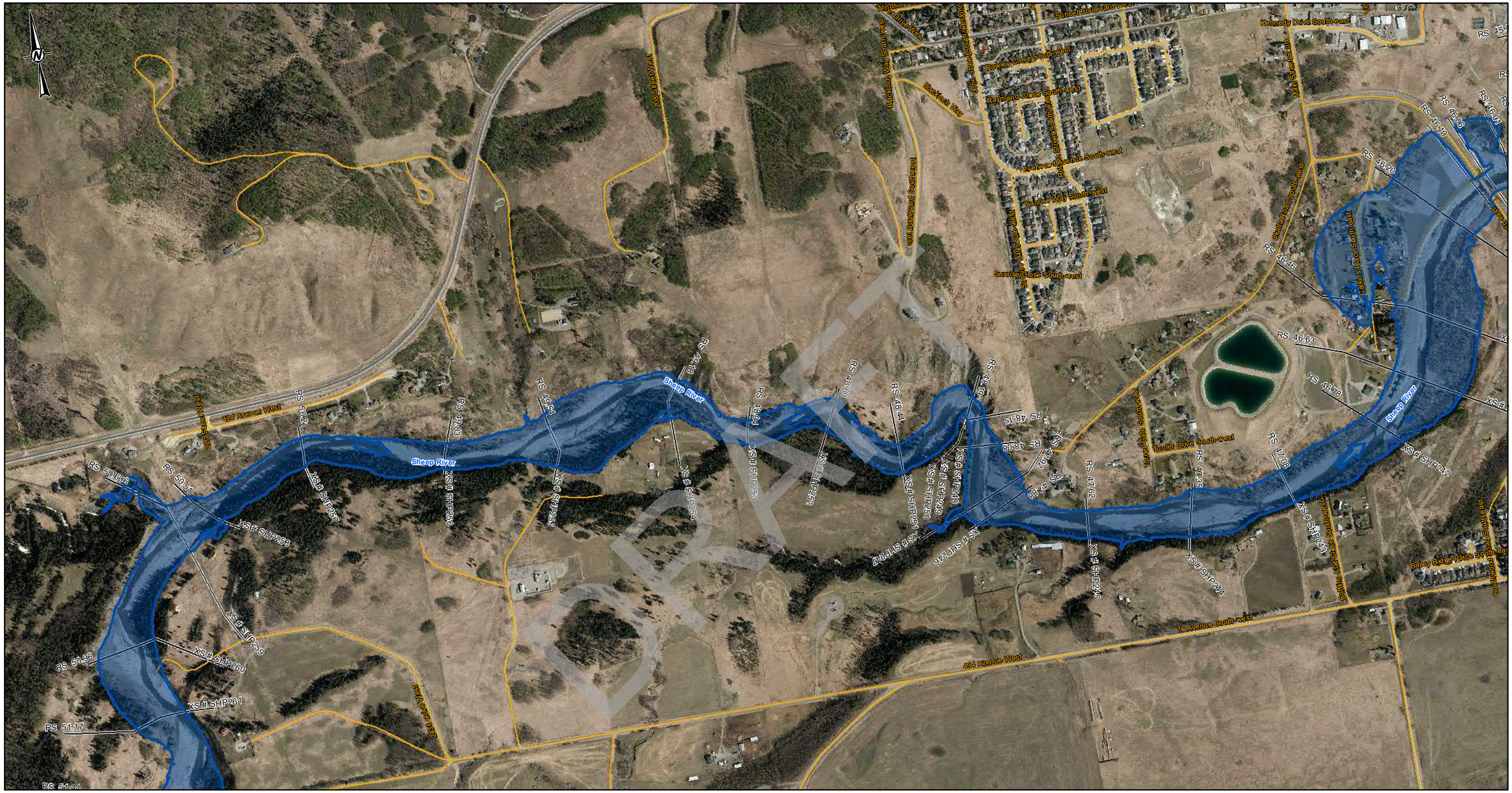
Classification: Public

SHEET 3 ↑

SHEET 5 ↑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RS 51.17
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RS 49.88
RS 49.64
RS 49.41
RS 49.18
RS 48.95
RS 48.72
RS 48.41
RS 48.15
RS 48.08
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RS 47.63
RS 47.39
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RS 46.63
RS 46.46
RS 46.20
RS 46.10
RS 46.03
RS 45.91
484 Avenue West
10 Avenue South-west
Sunset Boulevard West
Kennedy Drive South-east
Rowley Close South-west
Raymond Close South-west
Evergreen Avenue South-west
Sunrise Way South-west
Sunrise Close South-west
Oasis Road South-west
Cedars Place South-east
Turner Drive South-west
Bailey Ridge Place South-east
Bailey Ridge Crescent South-east
Blackfoot Way
Rolling Hills Drive West
Rolling Hills Crescent West
Rolling Hills Drive West
Rolling Hills Private Road
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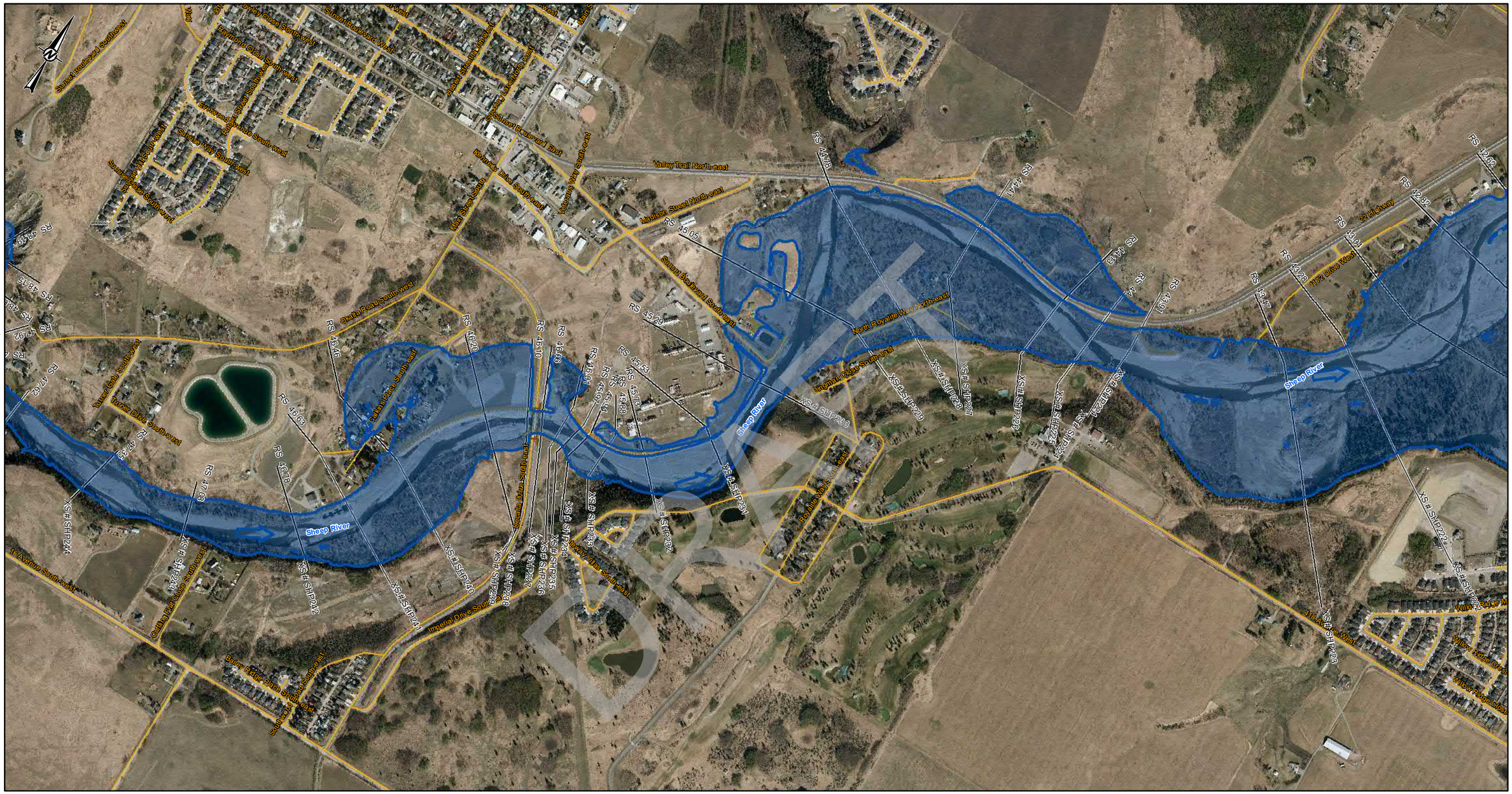
Trail Ridge Drive South-west
Trail Ridge Crescent South-west
Trail Ridge Way South-west

SHEET 6 ↑

SHEET 4 ↑


Sheep River
Valley Trail North-east
Madison Street North-east
Sunset Boulevard South-east
North Royalite Way North-east
Hwy 22 Highway
117 Drive West
Okotoks Road South-west
Hazel Dale South-west
Cutting Rd Close South-west
Bailey Ridge Place South-west
Imperial Drive South-west
Rocky Lane South-east
Rocky Lane North-east
Rocky Lane Road East
Valley Way South-east
Main Street South
Mahogany Drive South-east
Sunset Boulevard West
Sunset Boulevard South-west
Sunset Way South-west
Sunset Close South-west
Sunset Crescent South-west
Fairmont Close South-west
Fairmont Drive South-west
Fairmont Way South-west
Fairmont Crescent South-west
Fairmont Place South-west
Fairmont Close Southwest
Fairmont Drive Southwest
Fairmont Way Southwest
Fairmont Crescent Southwest
Fairmont Place Southwest
Oakes Place South-west
Bailey Ridge Place South-east
Southridge Drive South-east
Southridge Close South-east
Imperial Drive South-east
Rocky Lane South-east
Rocky Lane Road East
Rocky Lane North-east
Rocky Lane Road West
Rocky Lane Road South-west
Rocky Lane South-west
Rocky Lane Road South-west
Rocky Lane Road North-west
Rocky Lane North-west
Rocky Lane Road North-west
Rocky Lane Road West
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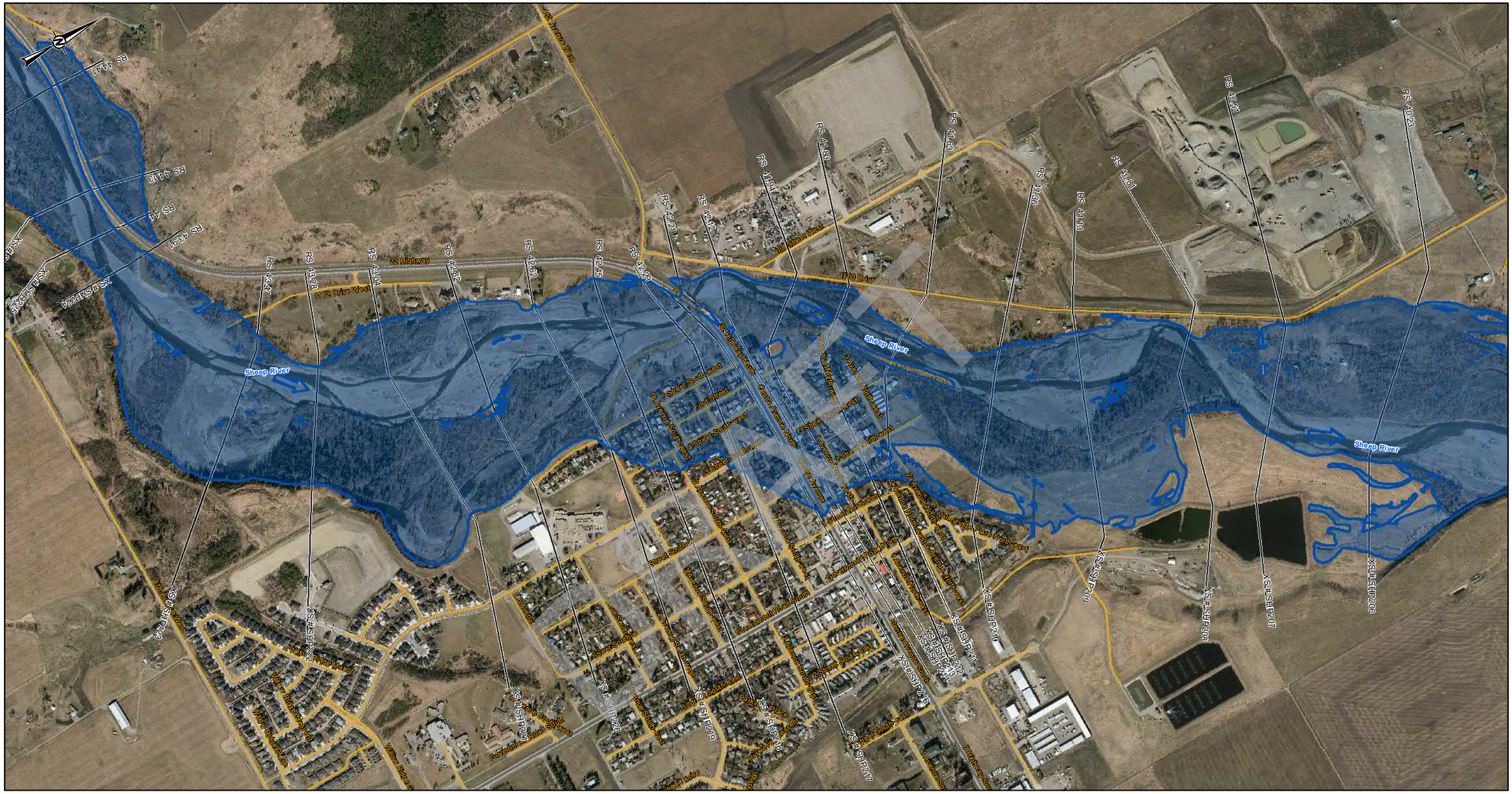
Rocky Lane Road Northwest

SHEET 5 ↑

SHEET 7 ↑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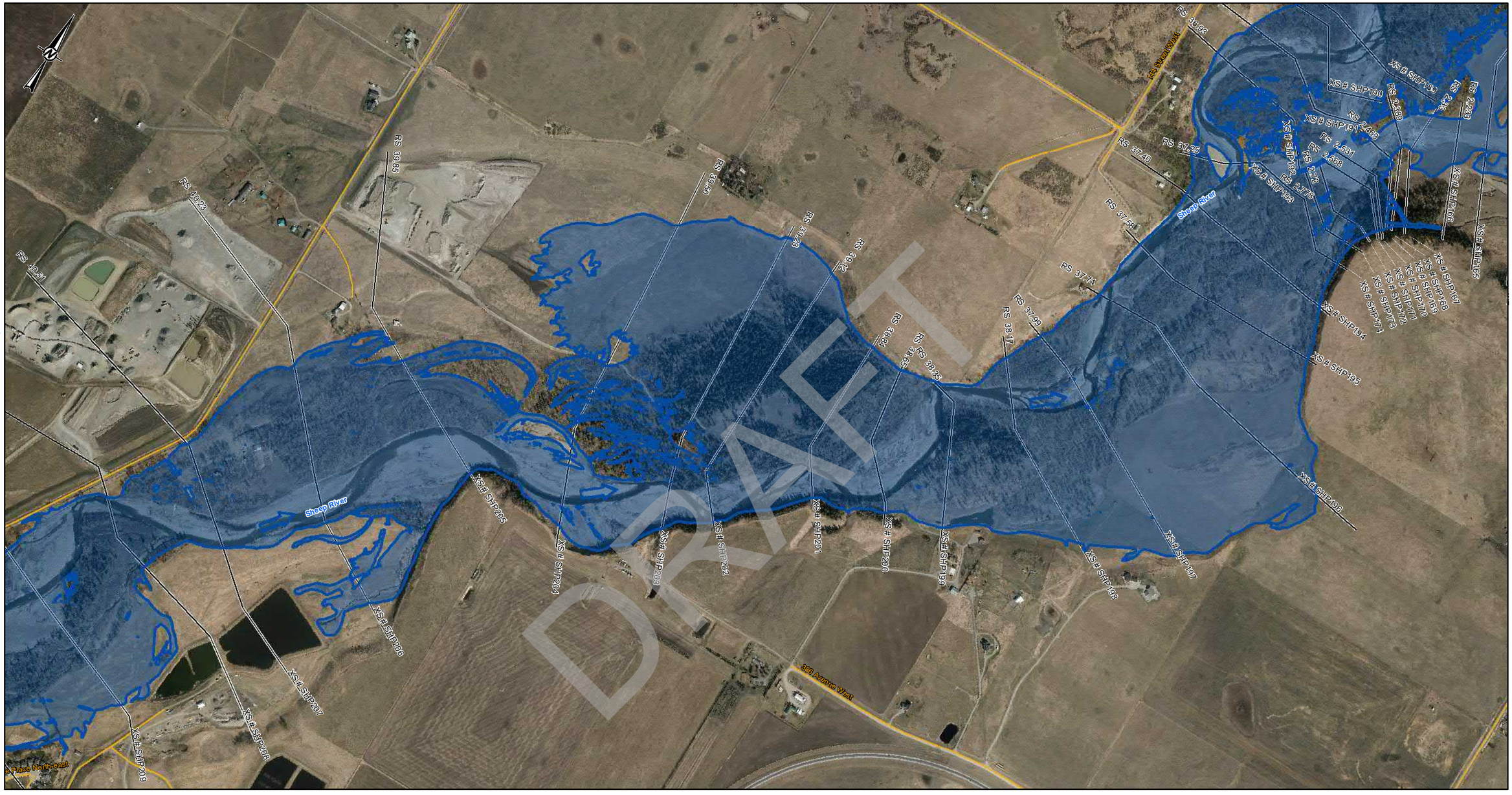
RS 42.12
RS 41.94
RS 41.80
RS 41.69
RS 41.36
RS 41.18
RS 40.91
RS 40.51
RS 40.23
22 Highway
1172 Drive West
182 Street West
1170 Drive West
Sheep River
22 Highway North
Centre Avenue North
3 Street South-west
Ford Street
4A Avenue South-west
4 Street South-west
5 Street South-west
6 Avenue South-west
1 Street South-west
Rural South Road
Government Road South
Millow Ridge Close
Millow Ridge Crescent
Millow Ridge Drive
Millow Ridge Manor
Millow Ridge Road
Millow Ridge Way
Ford Drive
Ford Road
Ford Street
Ford Way
Ford Close
Ford Crescent
Ford Manor
Ford Mews
Ford Rise
Ford Road
Ford Square
Ford Terrace
Ford Vista
Ford View
Ford Walk
Ford Way
Ford Wynd
Ford Lane
Ford Gate
Ford Green
Ford Grove
Ford Heath
Ford Hill
Ford Meadow
Ford Park
Ford Place
Ford Point
Ford Ridge
Ford Row


SHEET 6 ↑
SHEET 8 ↑
Sheep River
Sheep River
389 Avenue West
4 Place North-east
XS # SHP209
XS # SHP208
XS # SHP207
XS # SHP206
XS # SHP205
XS # SHP204
XS # SHP203
XS # SHP202
XS # SHP201
XS # SHP200
XS # SHP199
XS # SHP198
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XS # SHP176
XS # SHP175
RS 10231
RS 10151
RS 9986
RS 9836
RS 9817
RS 9724
RS 9683
RS 9654
RS 3835
RS 3817
RS 3799
RS 3774
RS 3758
RS 3740
RS 3725
RS 3695
RS 2769
RS 2772
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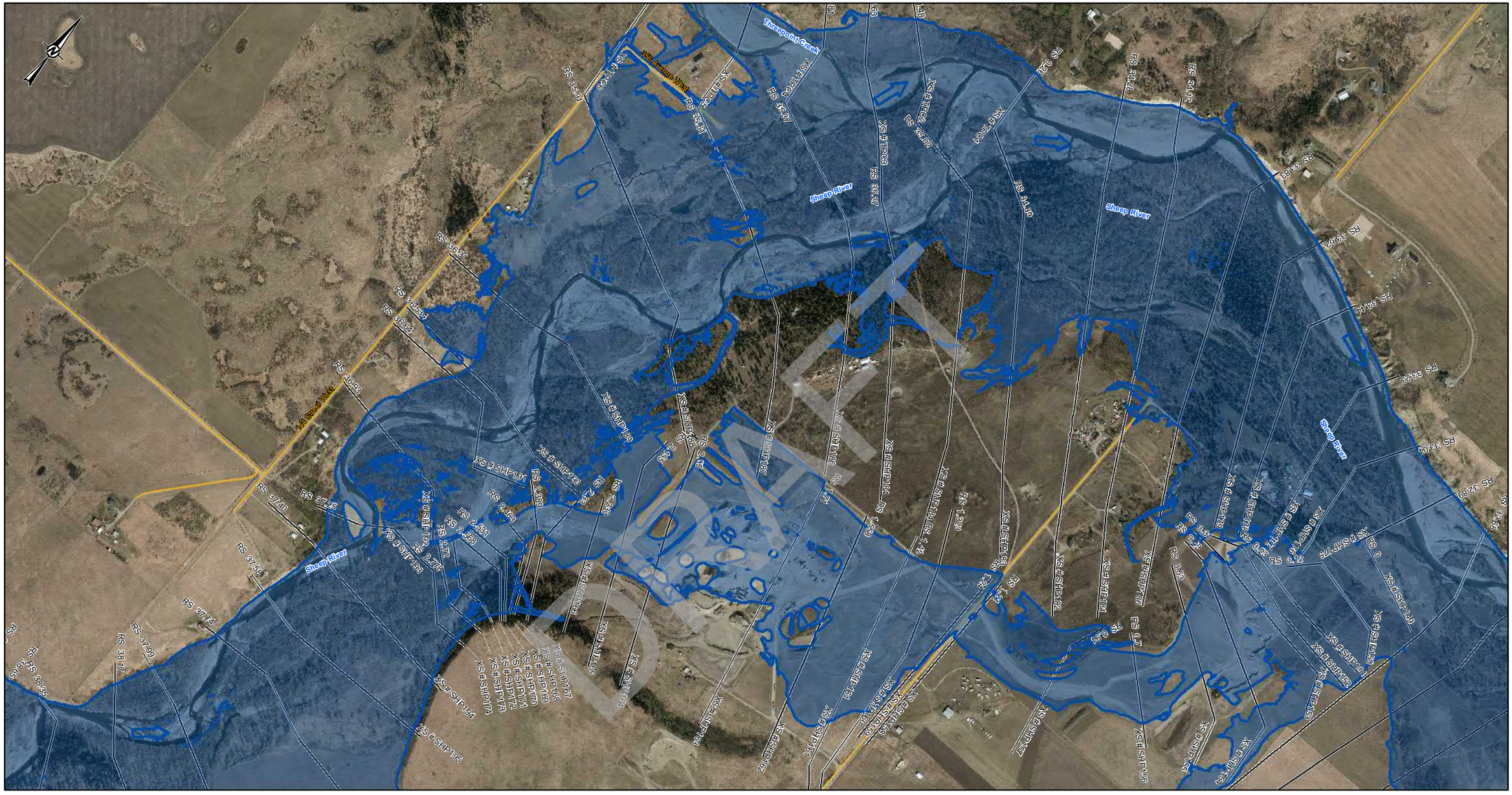
RS 2531
RS 2469
RS 2463
RS 2383
RS 2383
RS 2383

SHEET 27 ↑

SHEET 7 ↑



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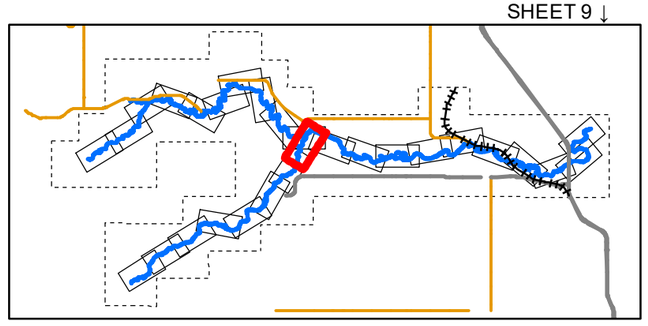

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 810 m ^{3}/s
SHEEP RIVER= 1050 m ^{3}/s
SHEEP RIVER= 1860 m ^{3}/s (DS- RS 34.28)

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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IMAGERY CAPTURED APRIL 2017 BY GEODESY GROUP INC. FOR THE GOVERNMENT OF ALBERTA.
DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 8 of 28

Classification: Public

C:\Users\sarah\Documents\Projects\WATERPOWER\12345\SPECIALIST_APPS\ASP_SHEEP_RIVER_FHS_2021\OUTBOX\ASP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
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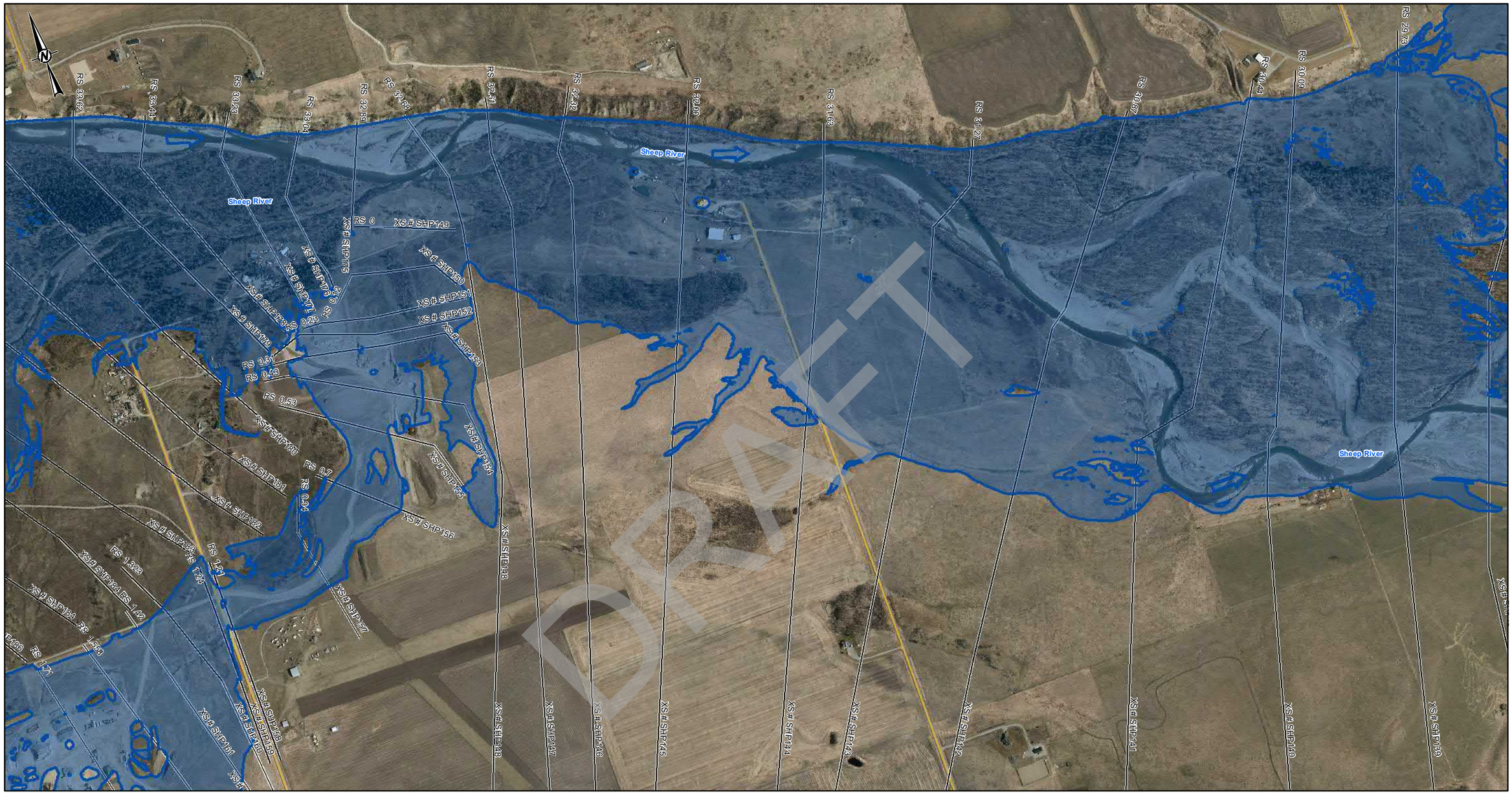
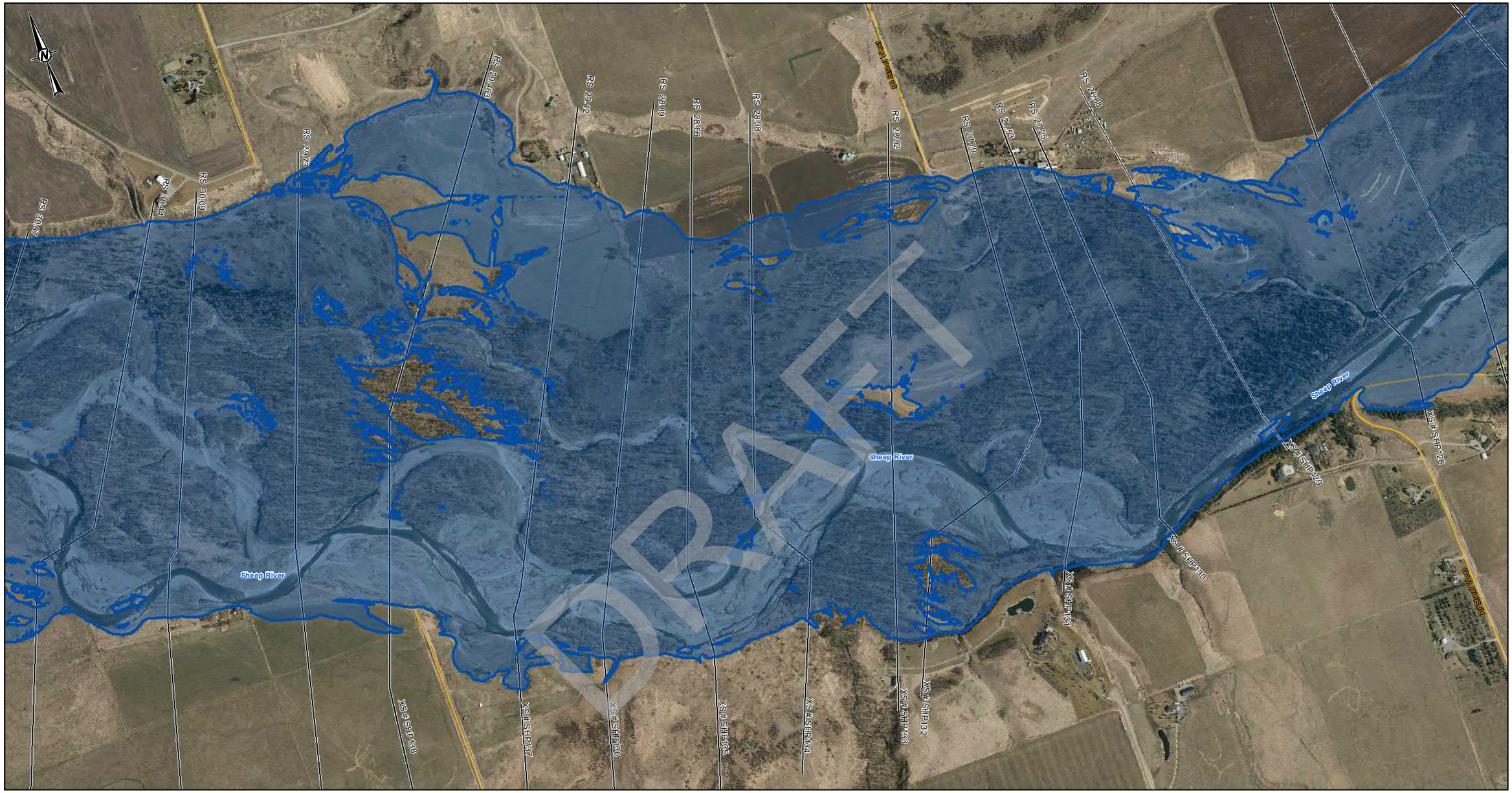
SHEET 8 ↑

SHEET 10 ↑



SHEET 9 ↑

SHEET 11 ↑



DRAFT

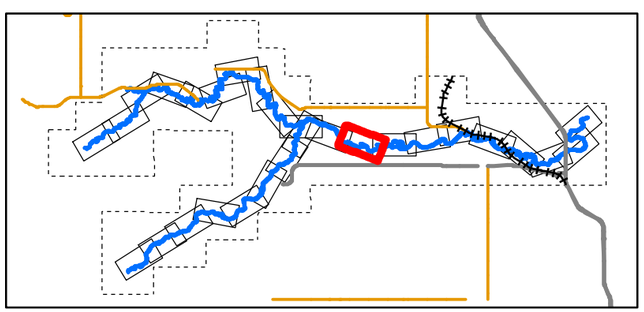
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1640 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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PREPARED	S. ZARE
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 10 of 28

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

25mm

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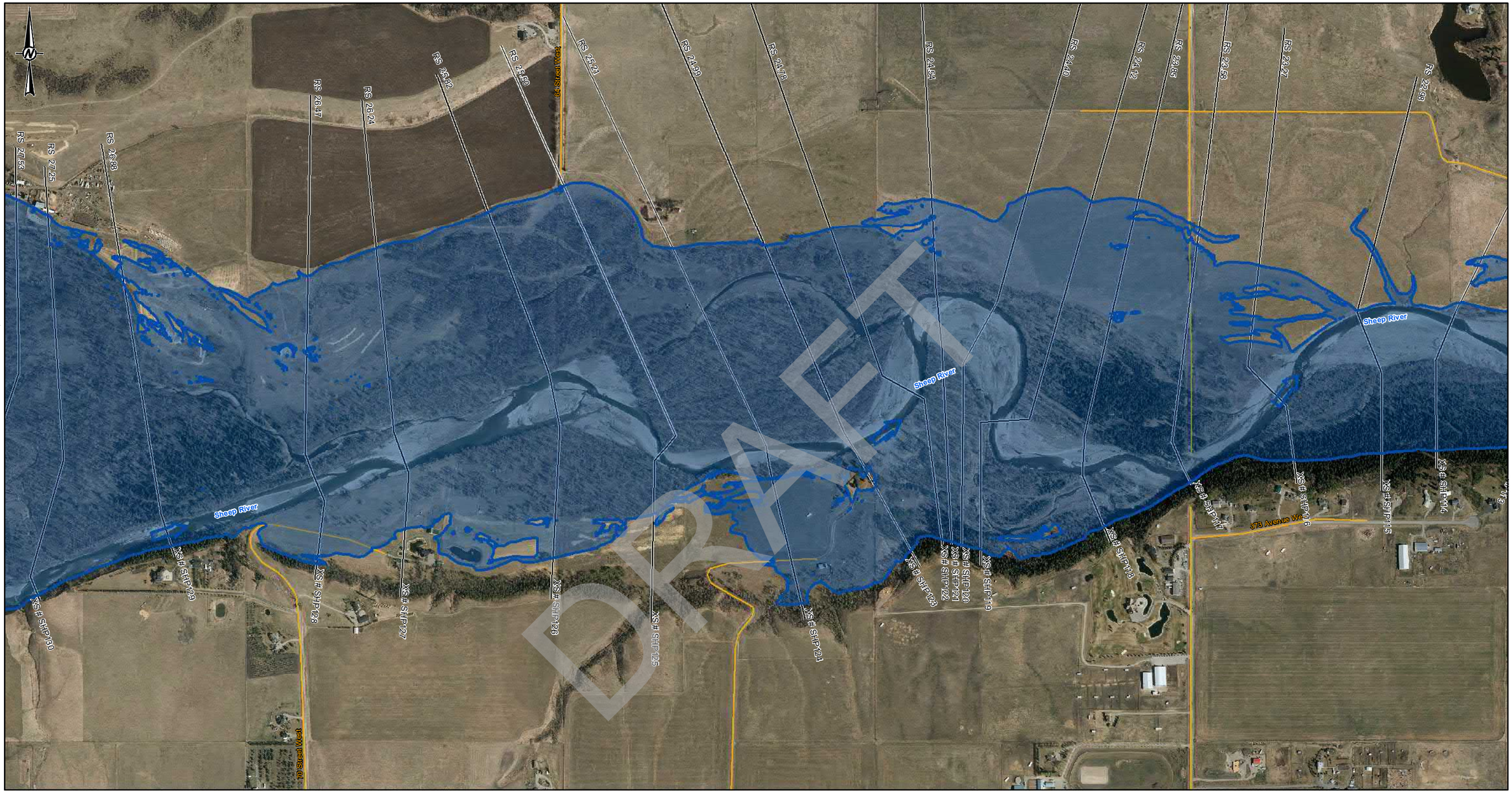
Classification: Public

SHEET 10 ↑

SHEET 12 ↑



DRAFT

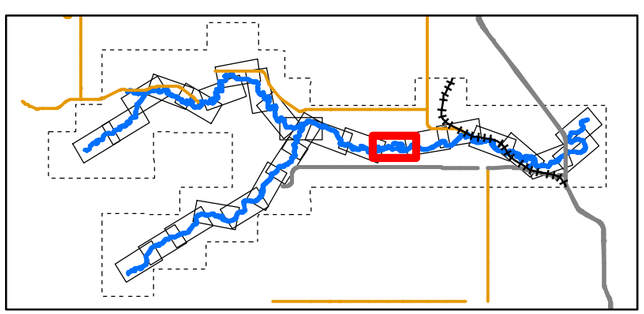
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1640 m^3/s



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 11 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

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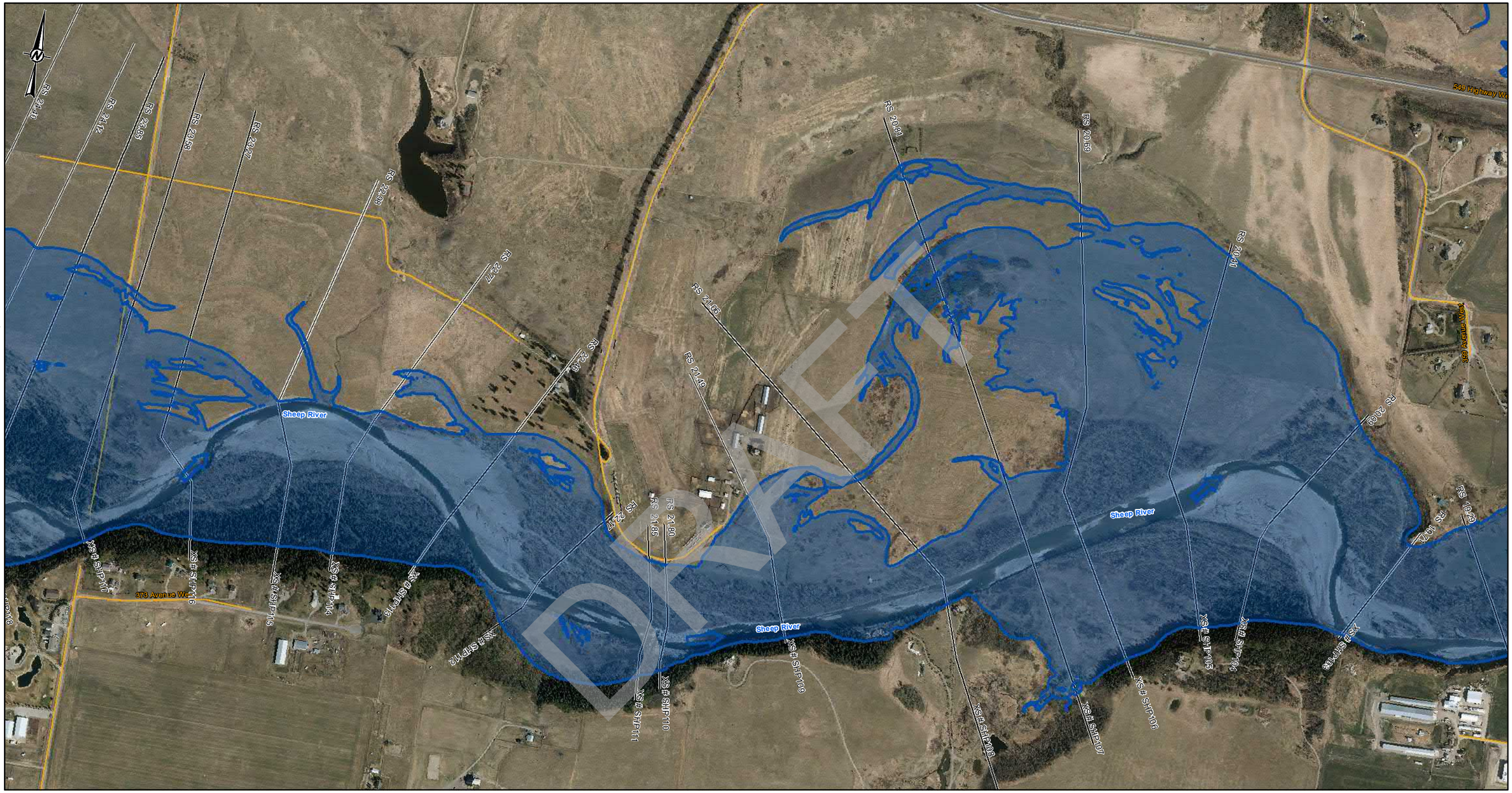
Classification: Public

SHEET 11 ↑

SHEET 13 ↑



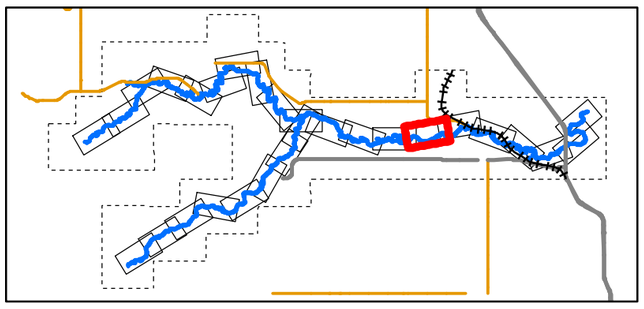
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1640 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 12 of 28

DRAFT

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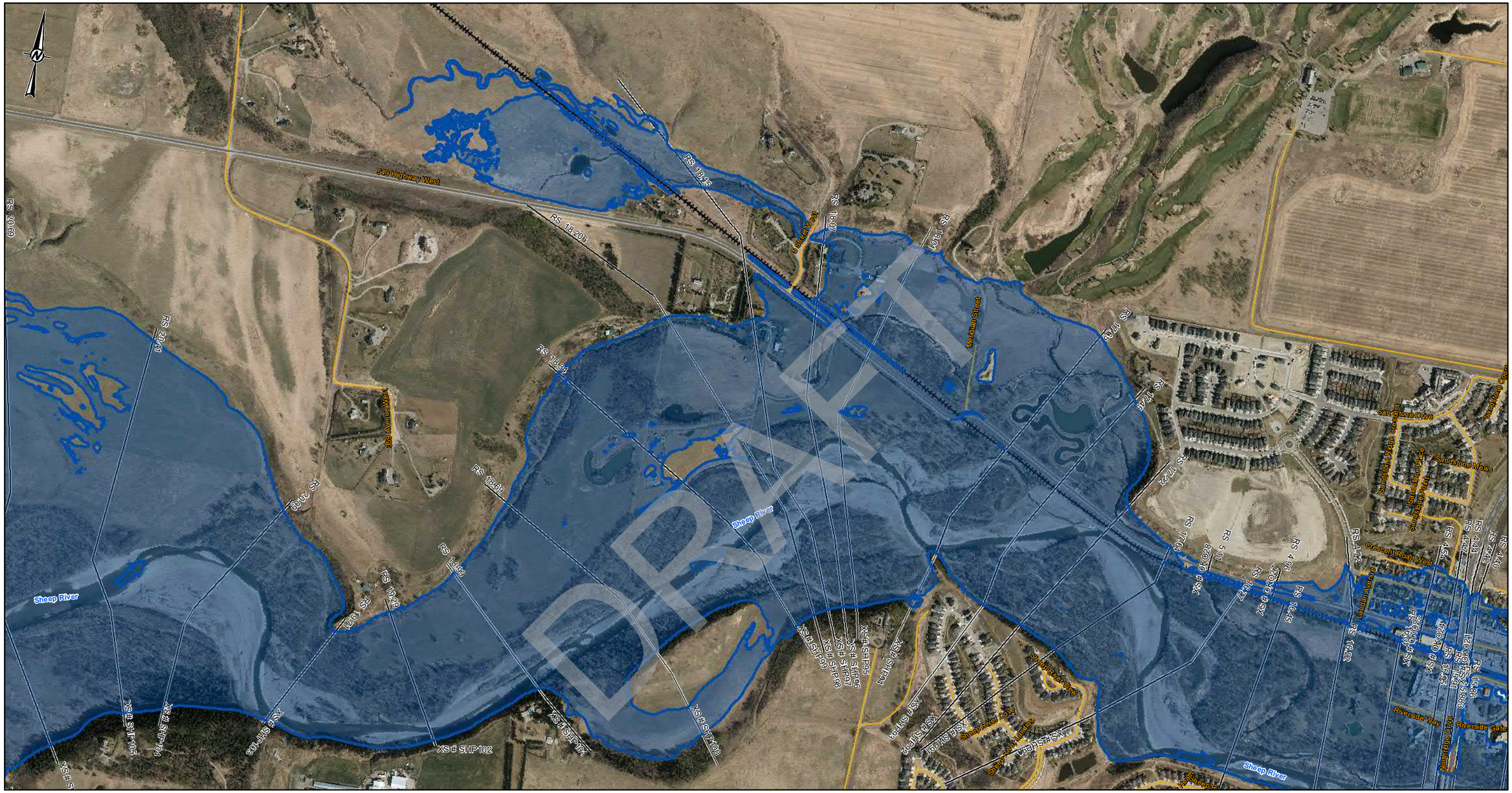
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



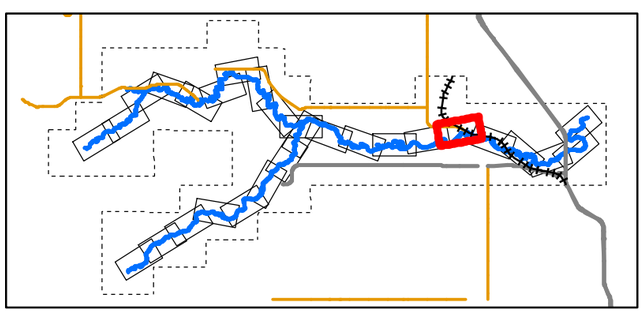
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1640 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 13 of 28

DRAFT

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

0 25mm

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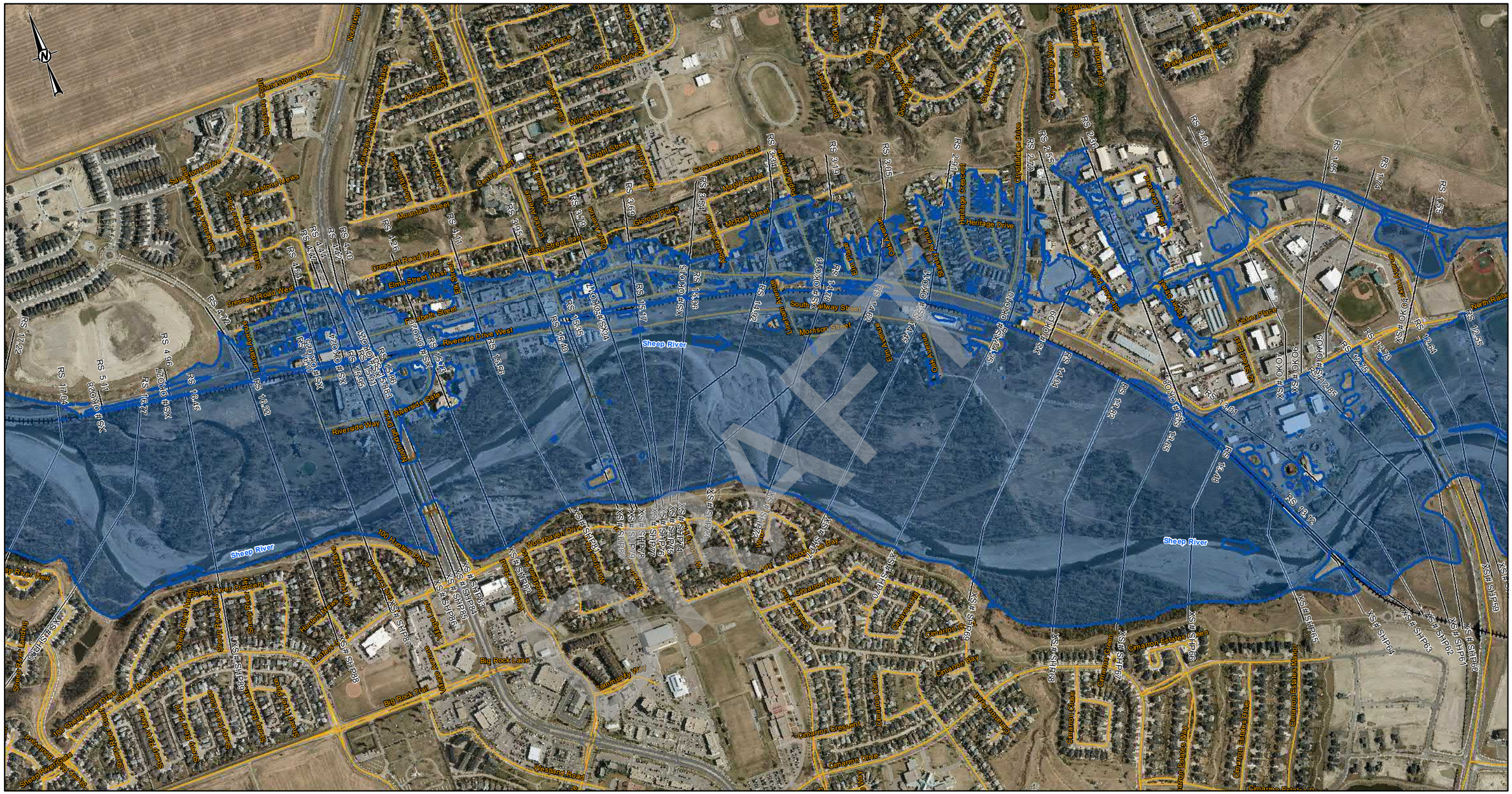
Classification: Public

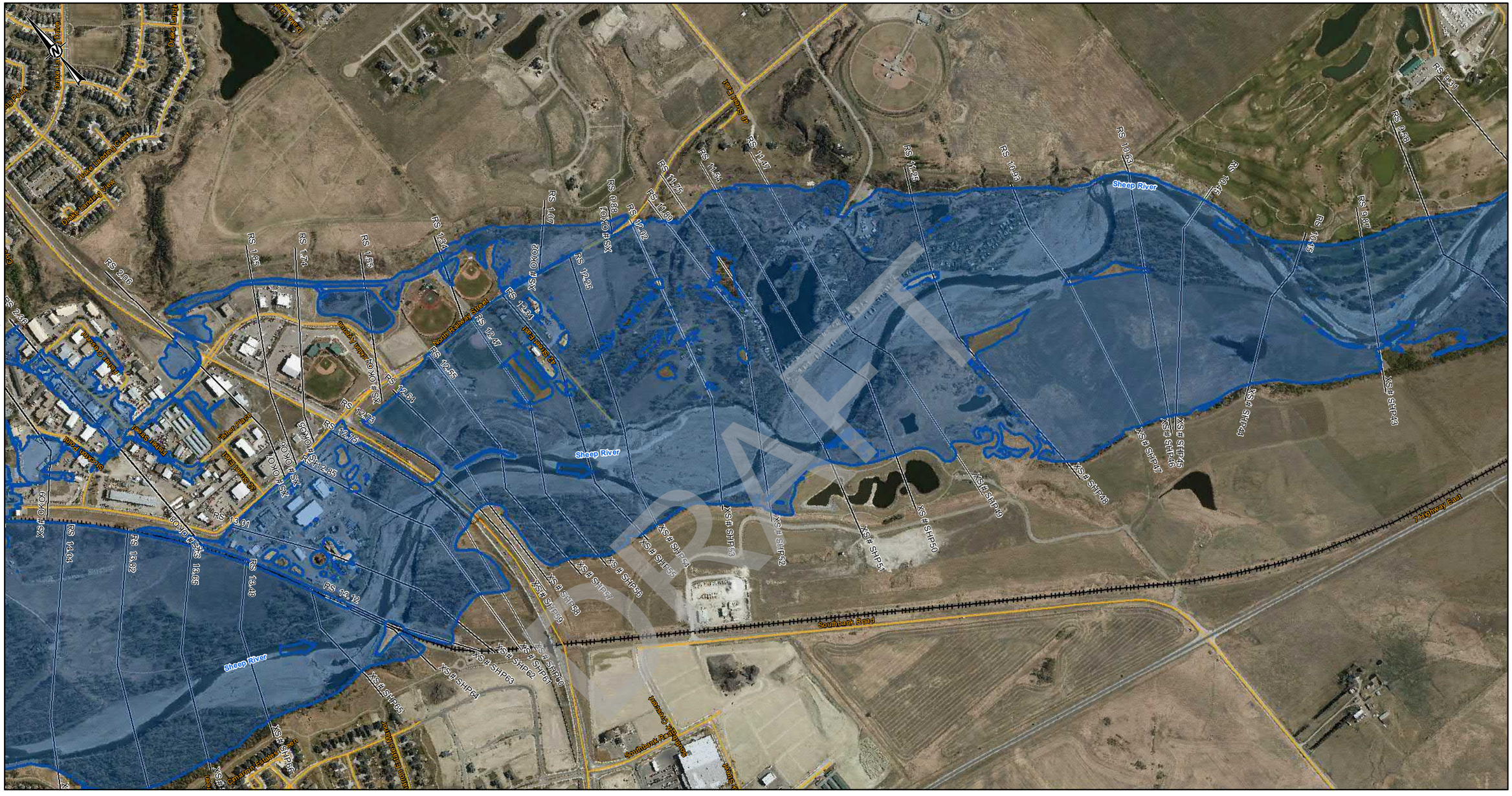
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Big Rock Lane
Riverside Drive West
Elma Street West
Crescent Road West
Mountain Street
Maple Street
Crescent Street East
Elma Street East
McRae Street
Morrison Street
South Railway Street
Heritage Drive
Crystal Ridge Drive
Oak Avenue
Elbow Avenue
Lindsay Avenue
Sandstone Drive
Sandstone Close
Sandstone Gate
Sandstone Landing
Sandstone Mews
Sandstone Place
Sandstone Rise
Sandstone Terrace
Sandstone Way
Sandstone Crescent
Sandstone Court
Sandstone Manor
Sandstone Meadows
Sandstone Ridge
Sandstone Road
Sandstone Square
Sandstone Trail
Sandstone Valley
Sandstone View
Sandstone Walk
Sandstone Way
Sandstone Wynd
Sandstone Park
Sandstone Pathway
Sandstone Point
Sandstone Rise
Sandstone Terrace

SHEET 14 ↑

SHEET 16 ↑



DRAFT

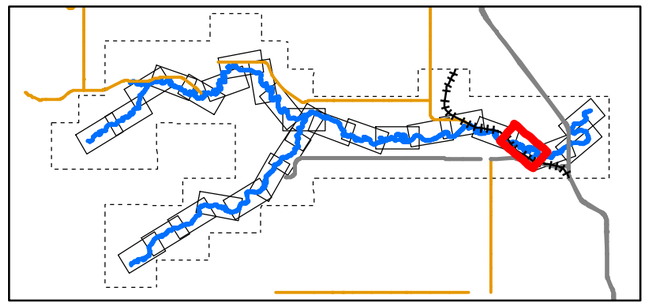
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1640 m^3/s
SHEEP RIVER= 1658 m^3/s (DS- RS 12.02)
SHEEP RIVER= 1720 m^3/s (DS- RS 11.25)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 15 of 28

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

0 20mm

Classification: Public

SHEET 15 ↑

SHEET 17 ↑

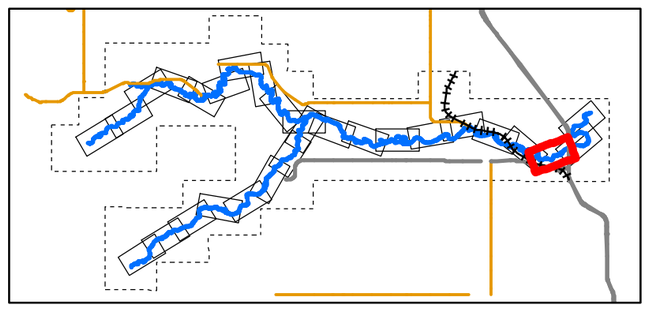
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 16 of 28

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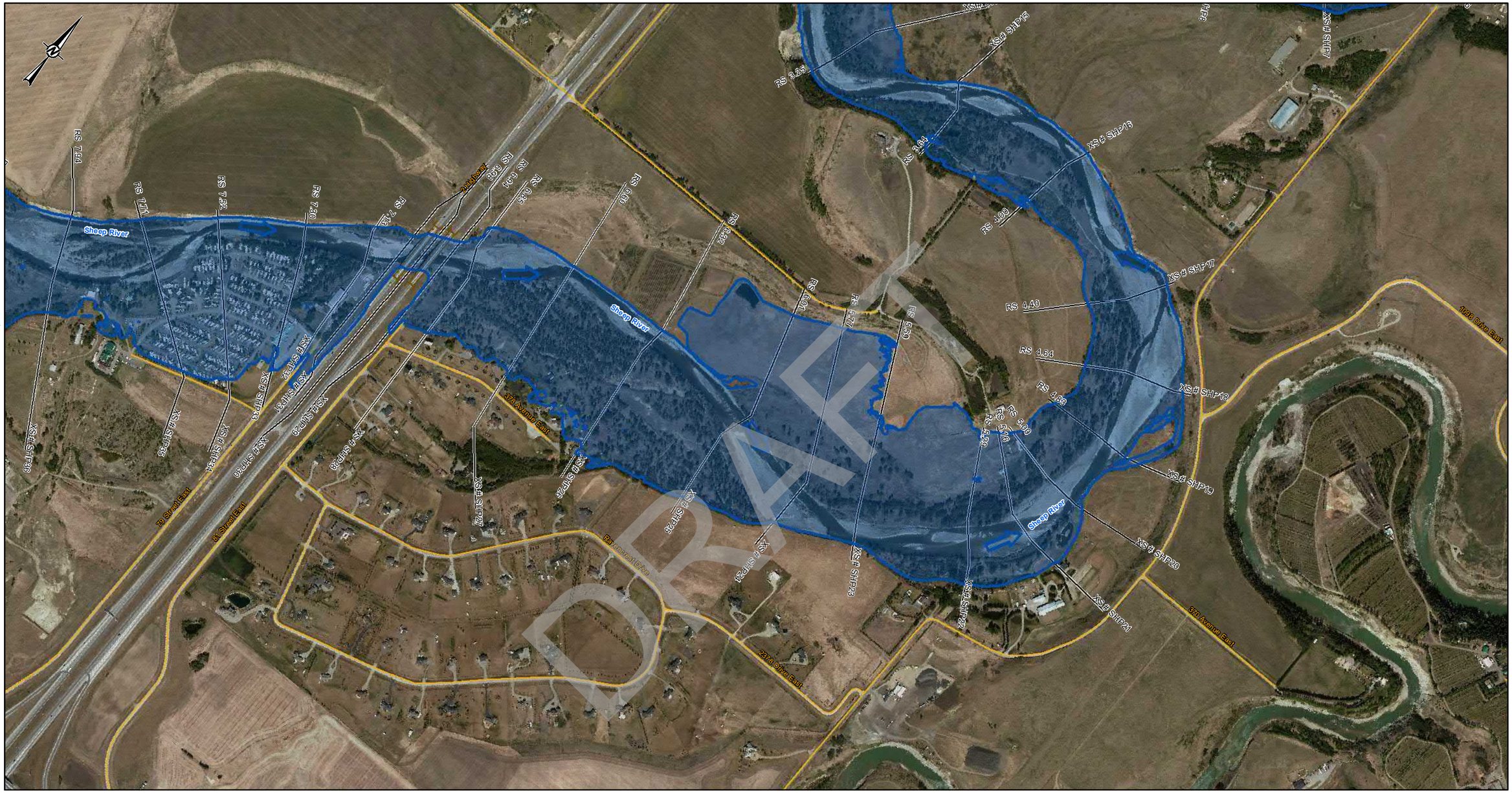
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



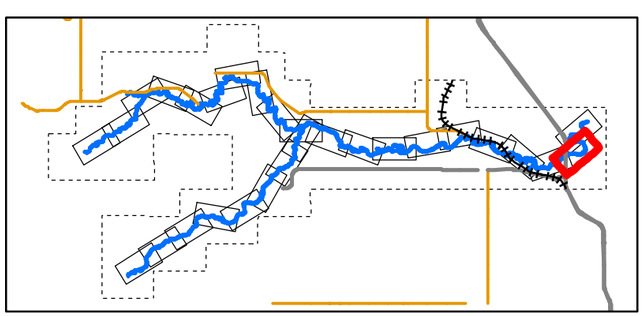
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 17 of 28

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

25mm

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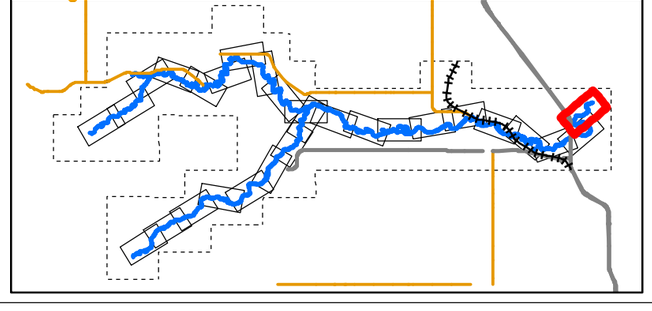
Classification: Public

SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 18 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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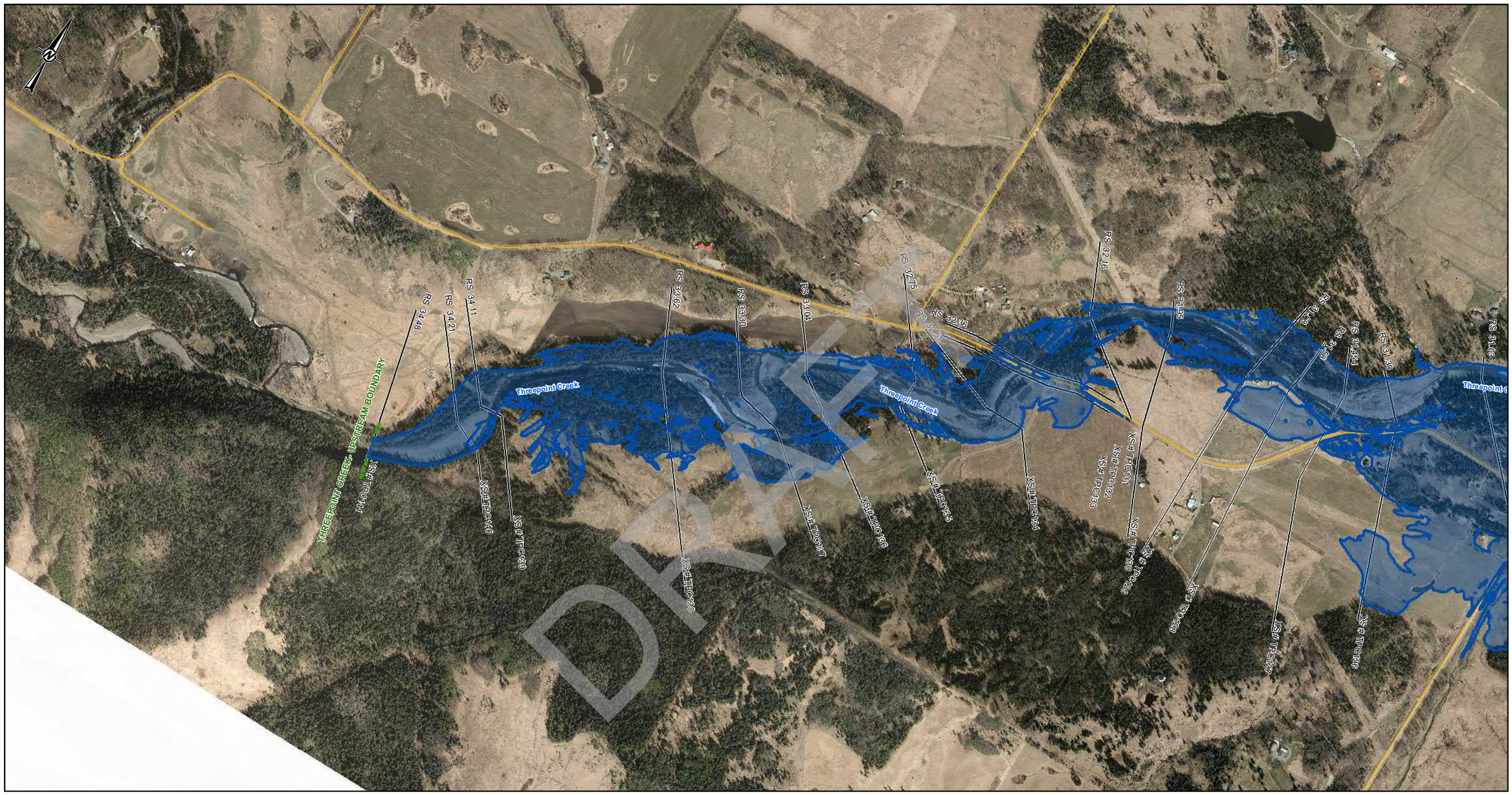
C:\cgy\data\Tp\projects\WATERPOWER\12545\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022
Classification: Public



SHEET 20 ↑

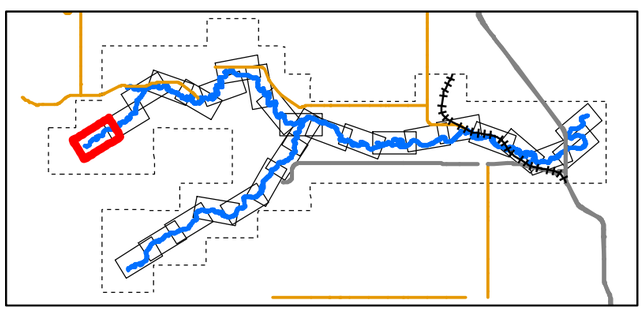
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 317 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 19 of 28

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

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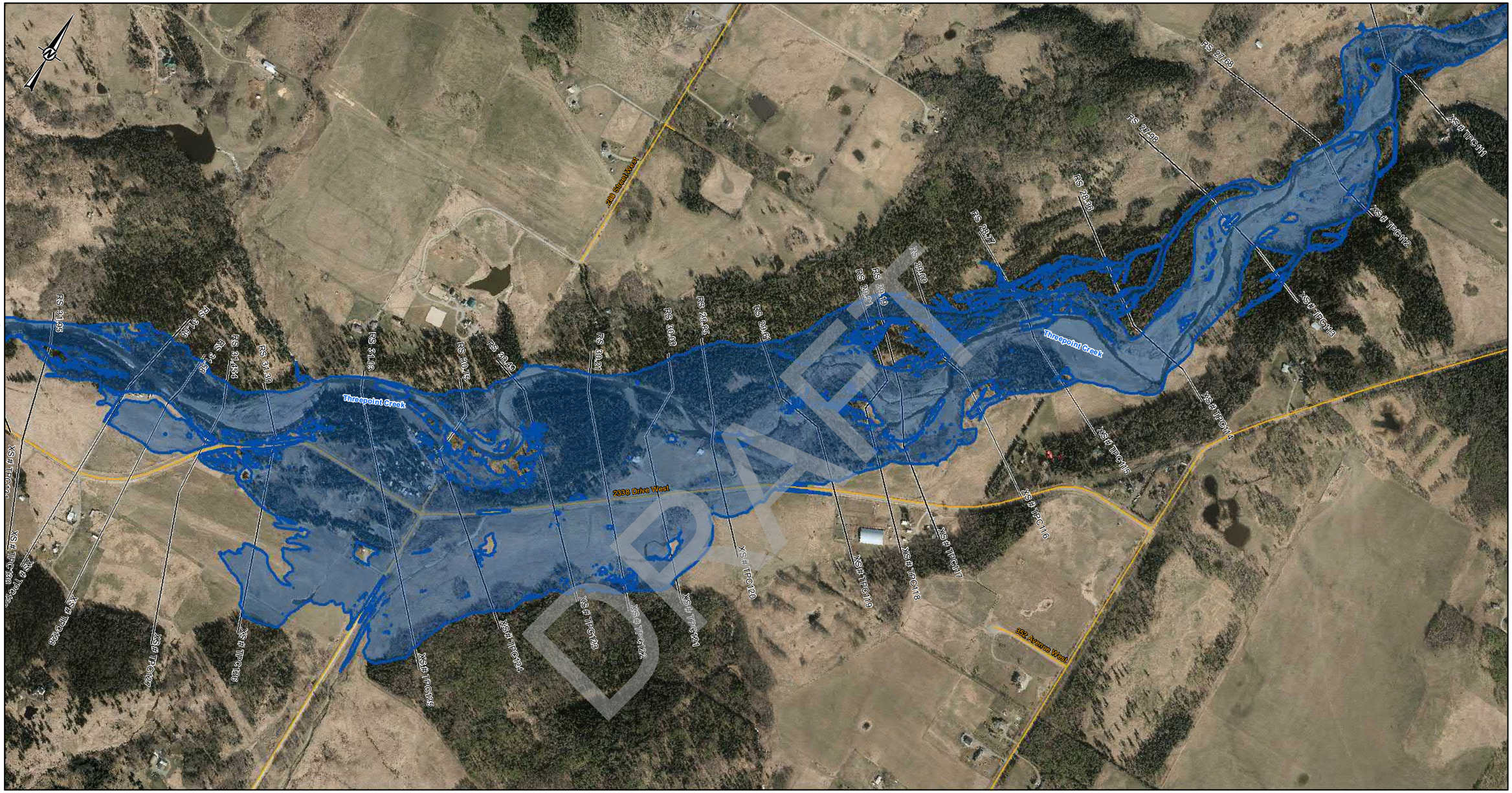
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



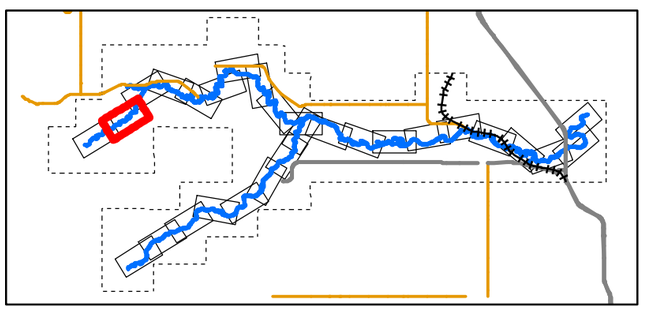
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 317 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 20 of 28

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

0 25mm

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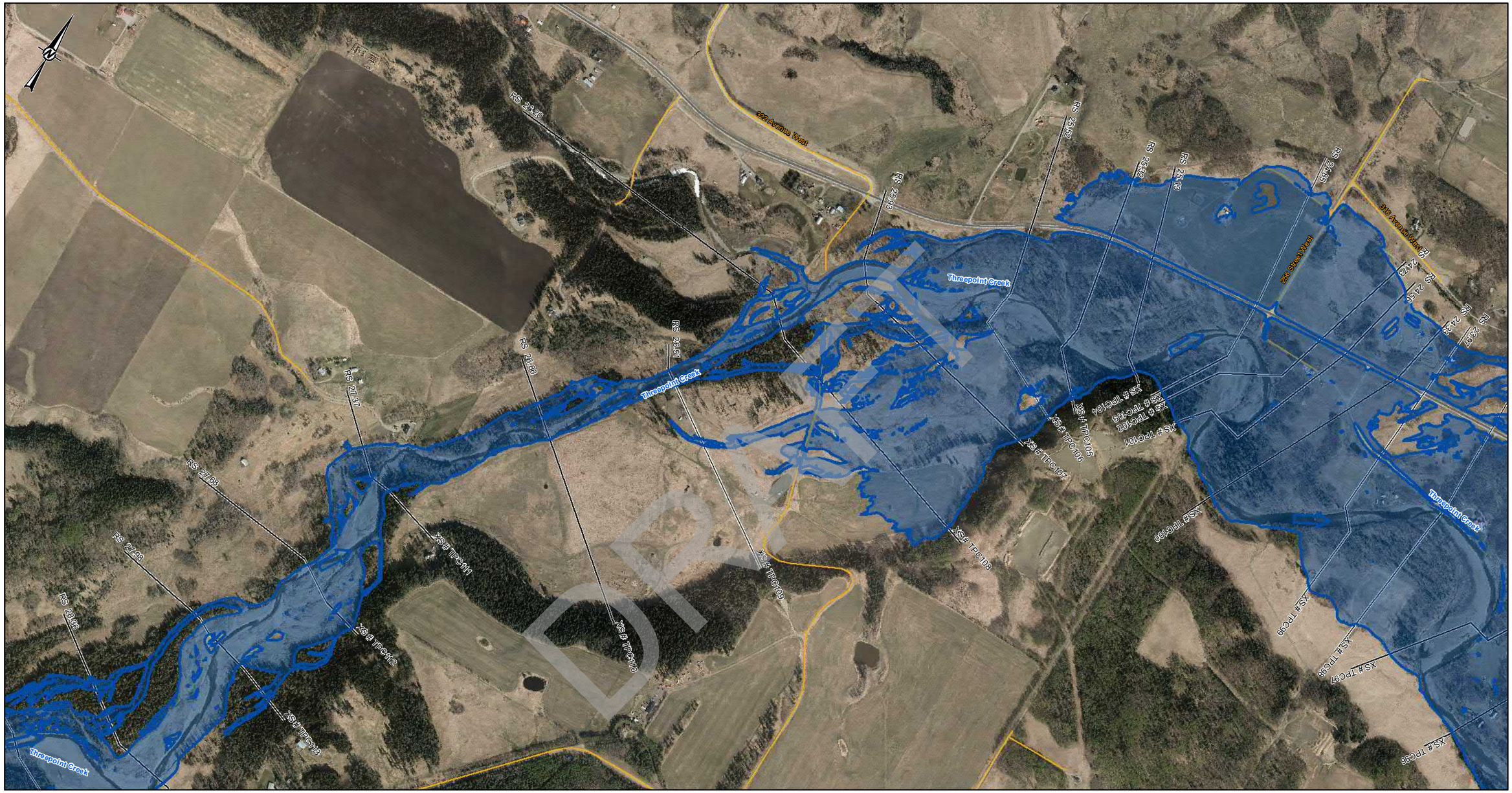
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



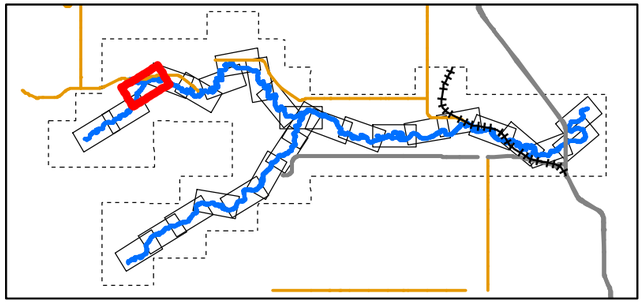
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 317 m³/s
THREEPOINT CREEK= 650 m³/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 21 of 28

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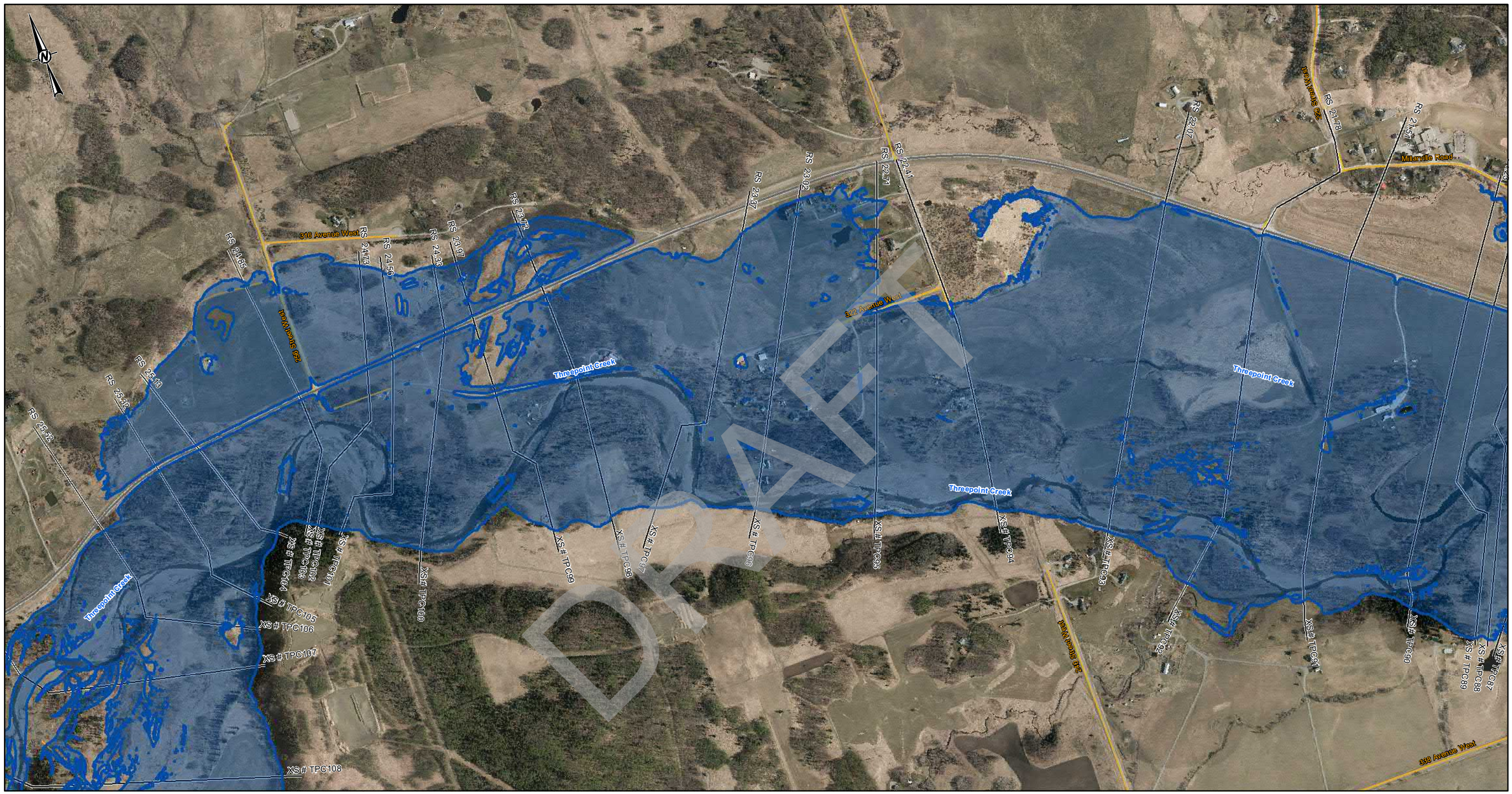
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



DRAFT

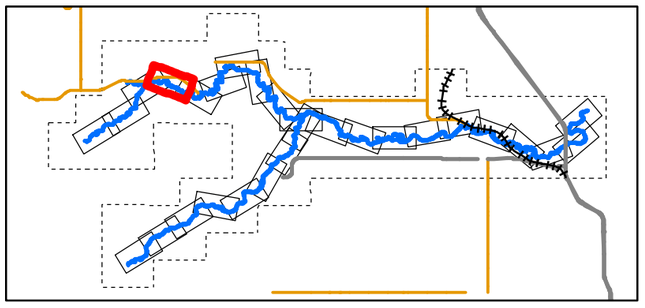
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 650 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 22 of 28

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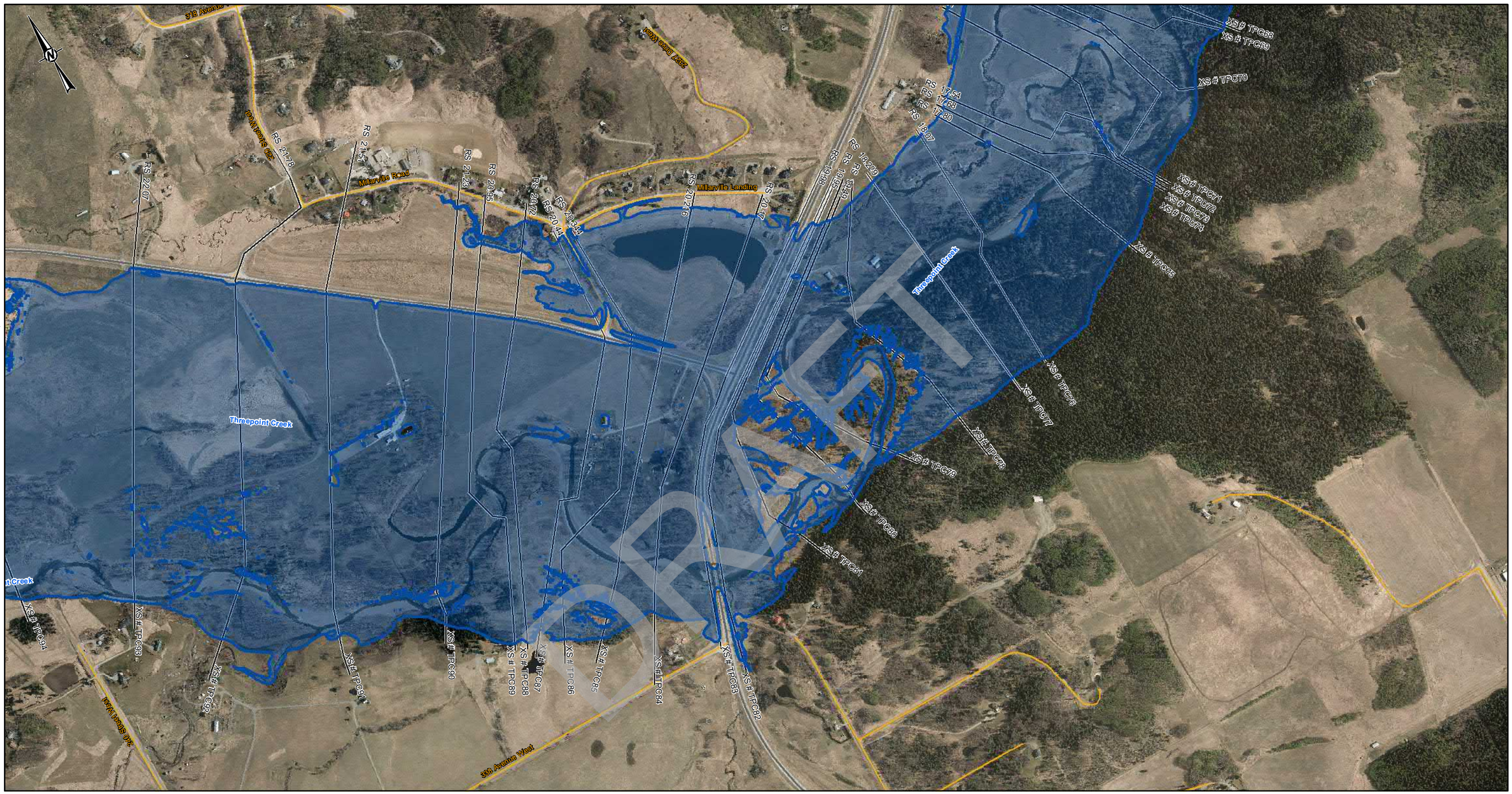
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



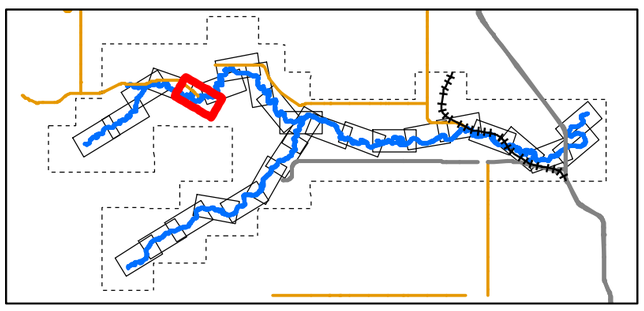
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 650 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 23 of 28

Classification: Public

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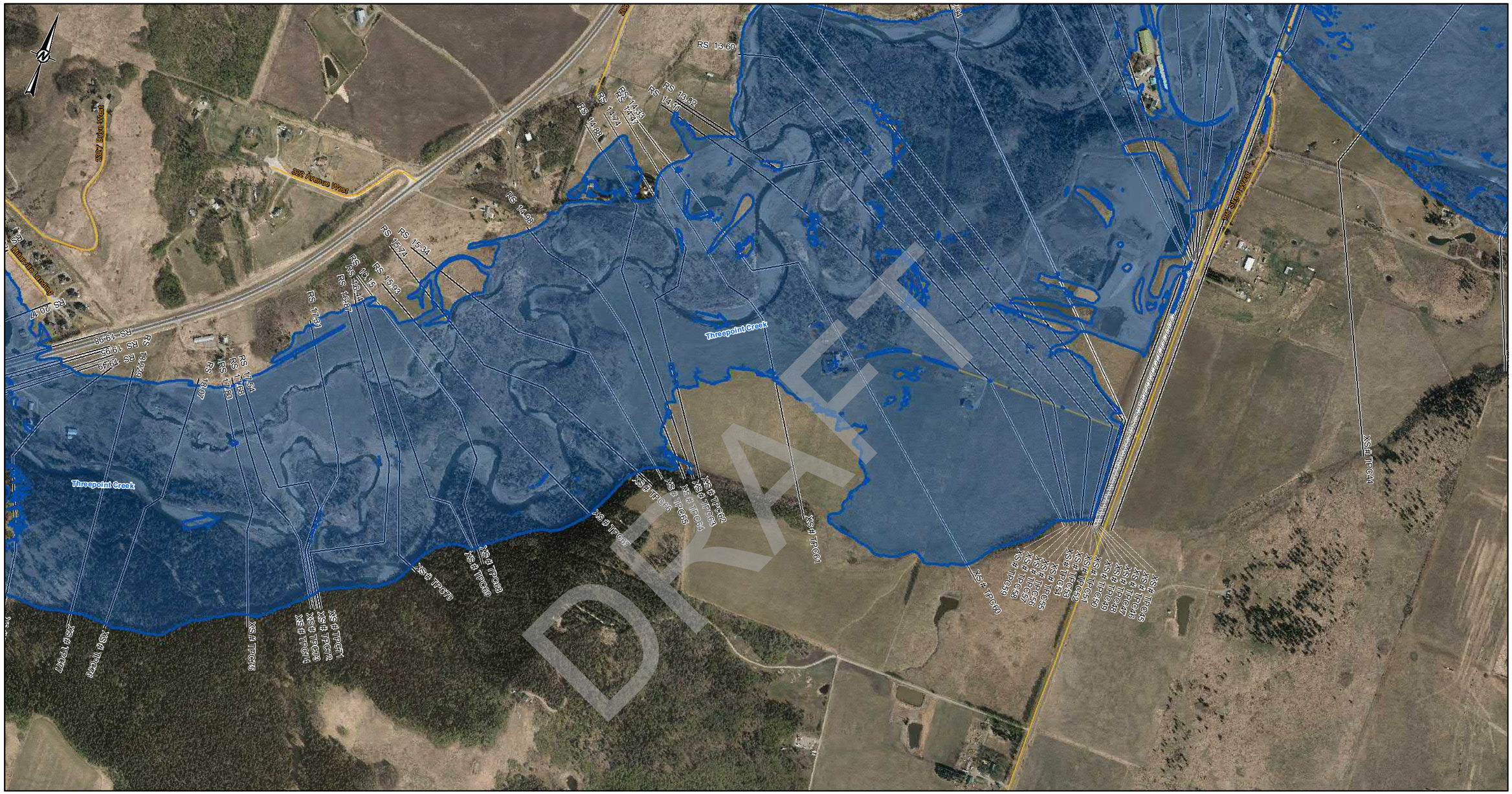
SHEET 23 ↑

SHEET 25 ↑



DRAFT

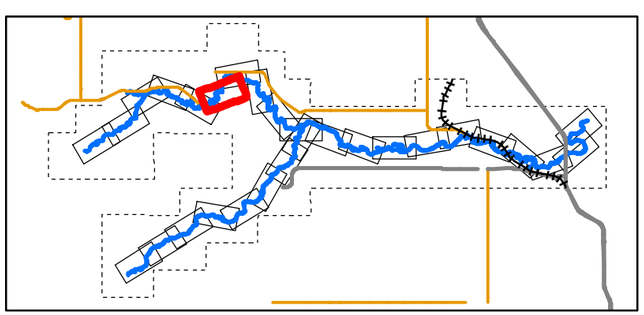
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 650 m^3/s
THREEPOINT CREEK= 810 m^3 (DS- RS 14.98)



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 24 of 28

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

25mm

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Classification: Public

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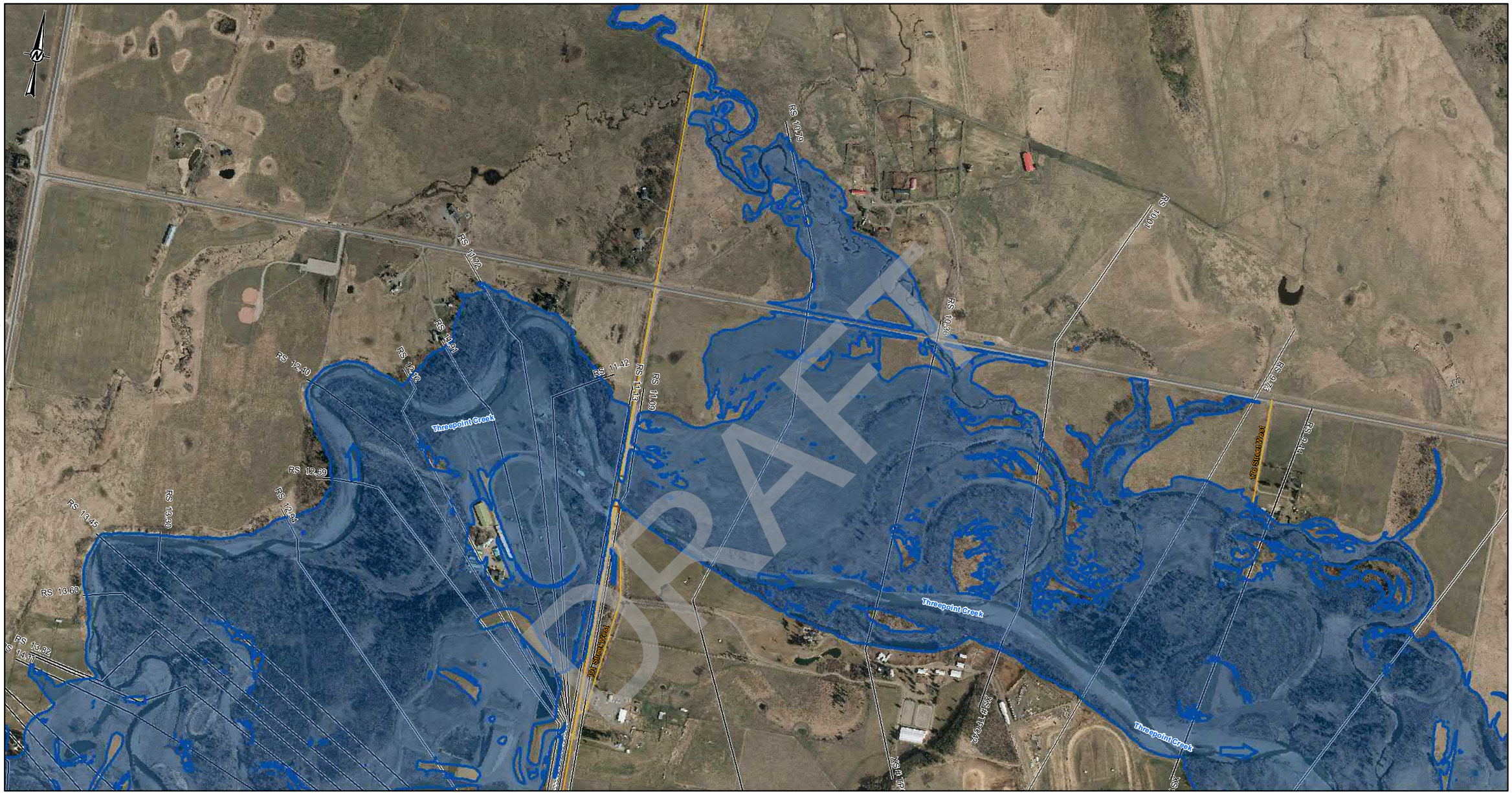


SHEET 26 ↓

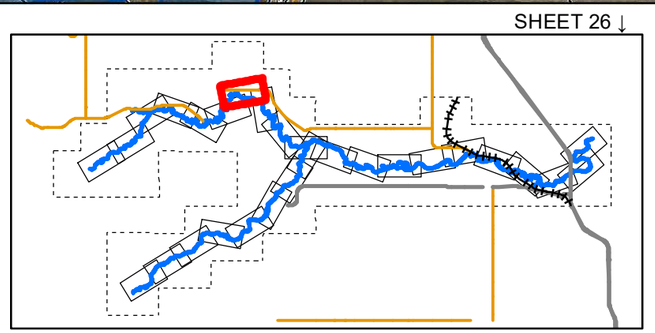
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 810 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 25 of 28

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

25mm

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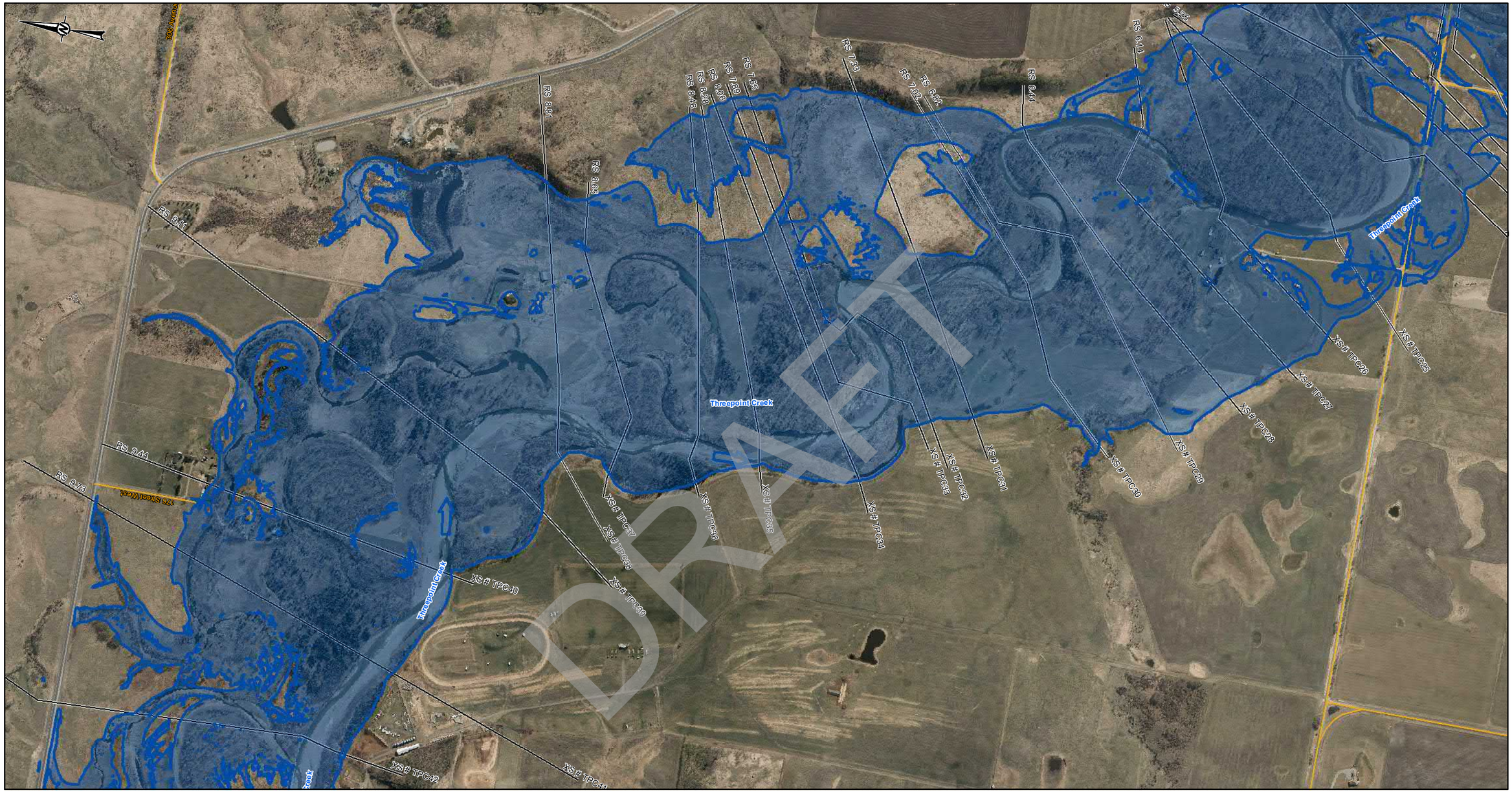
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



DRAFT

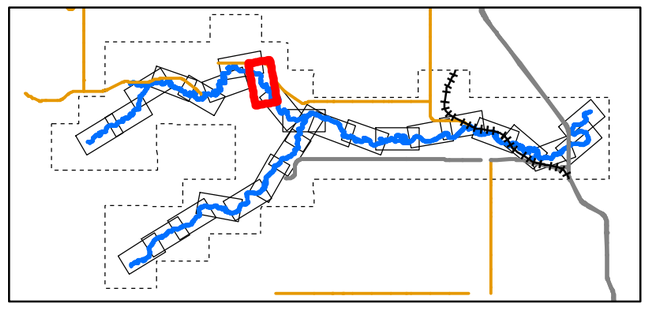
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 810 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 26 of 28

Classification: Public

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0 25mm

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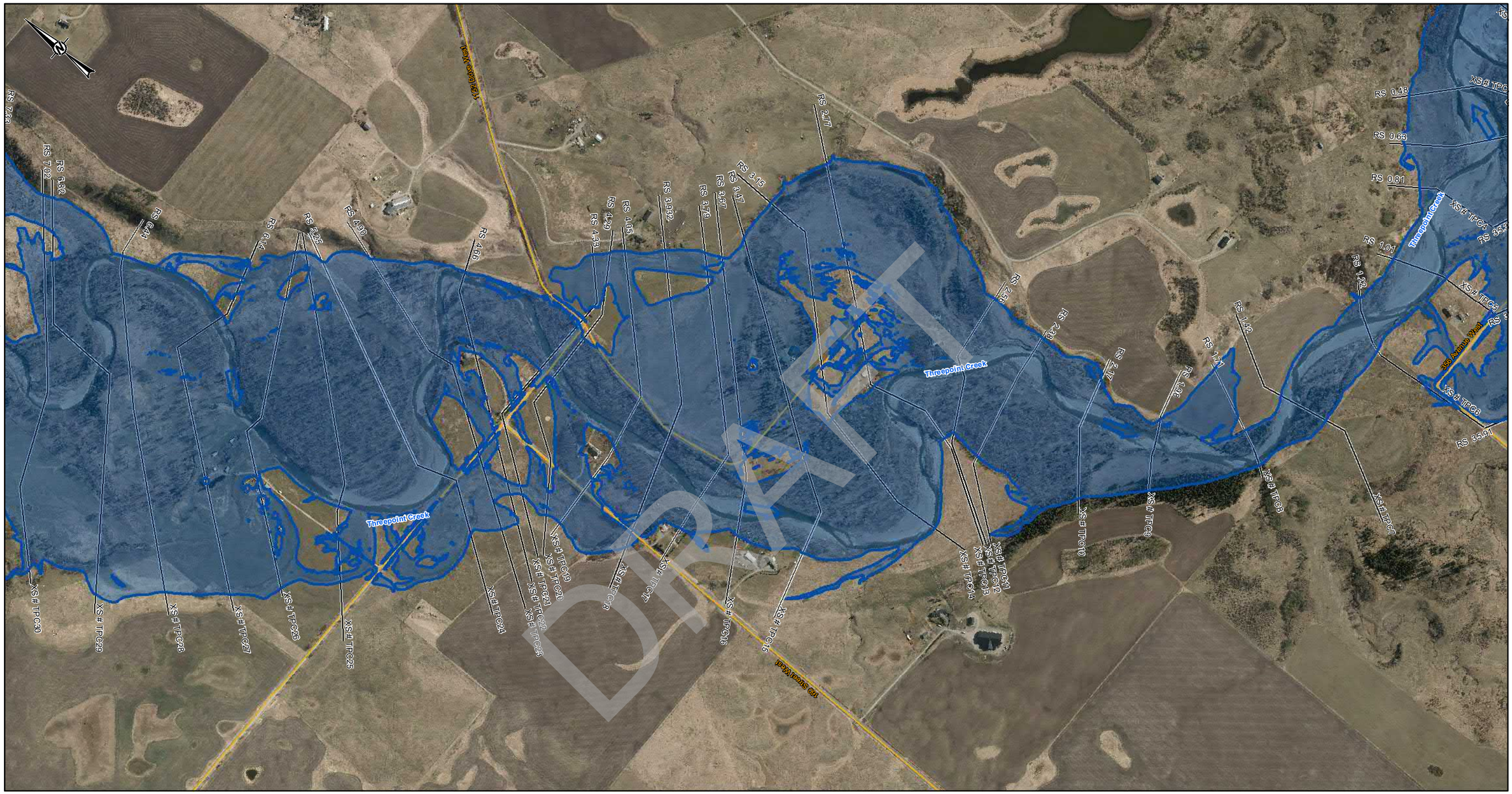
SHEET 26 ↑

SHEET 28 ↑



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LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
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- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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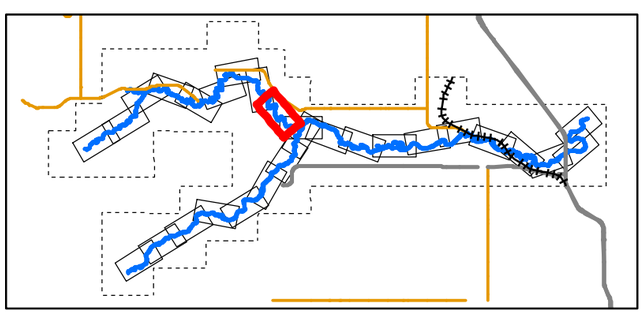
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 810 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 27 of 28

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25mm

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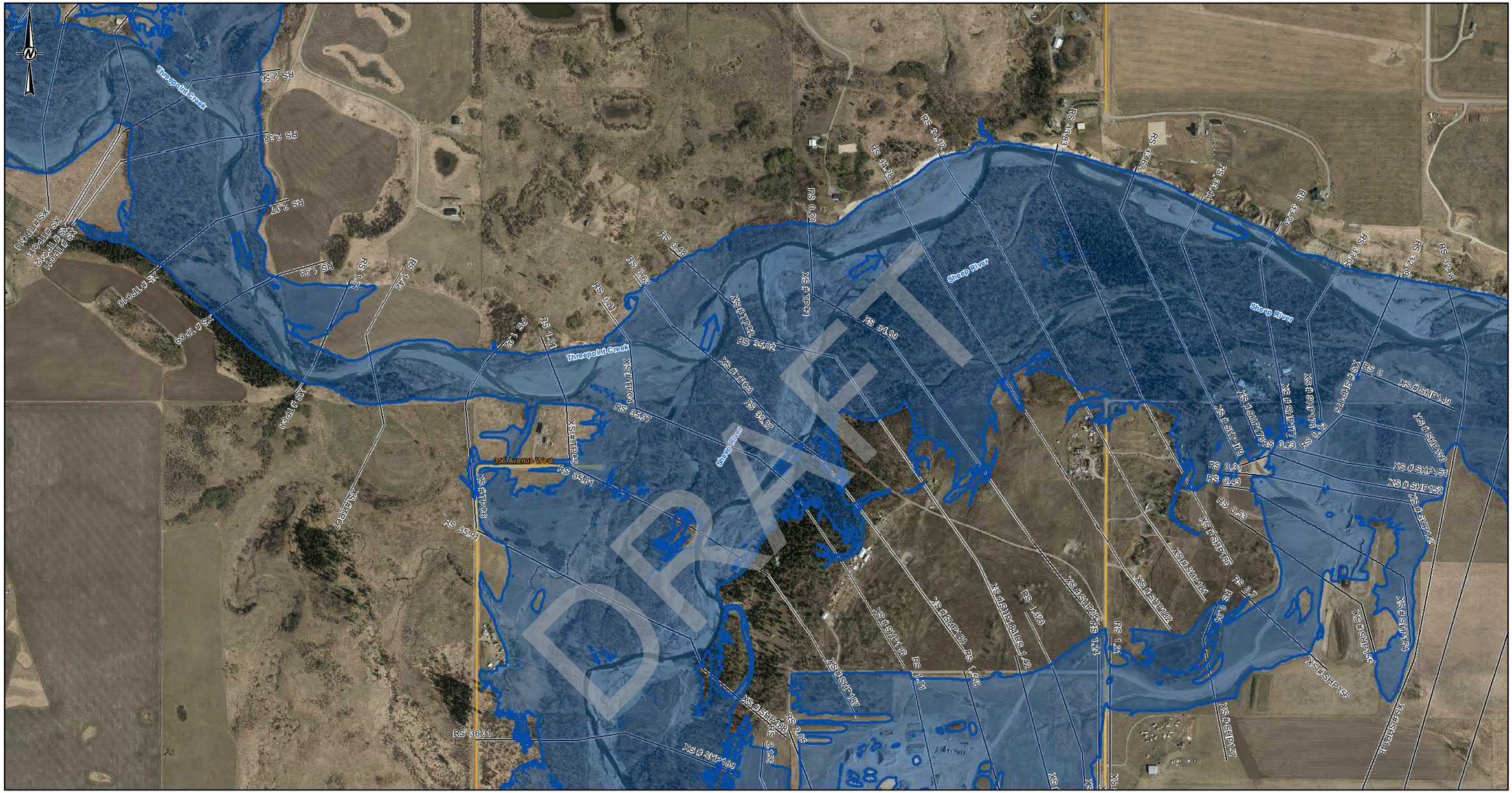
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



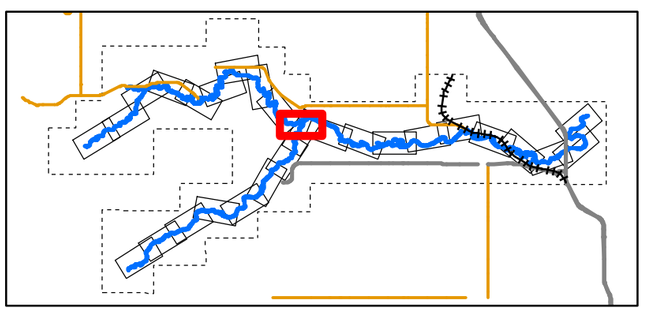
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

200-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 810 m ^{3}/s
SHEEP RIVER= 1050 m^3/s
SHEEP RIVER= 1860 m ^{3}/s (DS- RS 34.28)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
200- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0009-3333	0	Sheet 28 of 28

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

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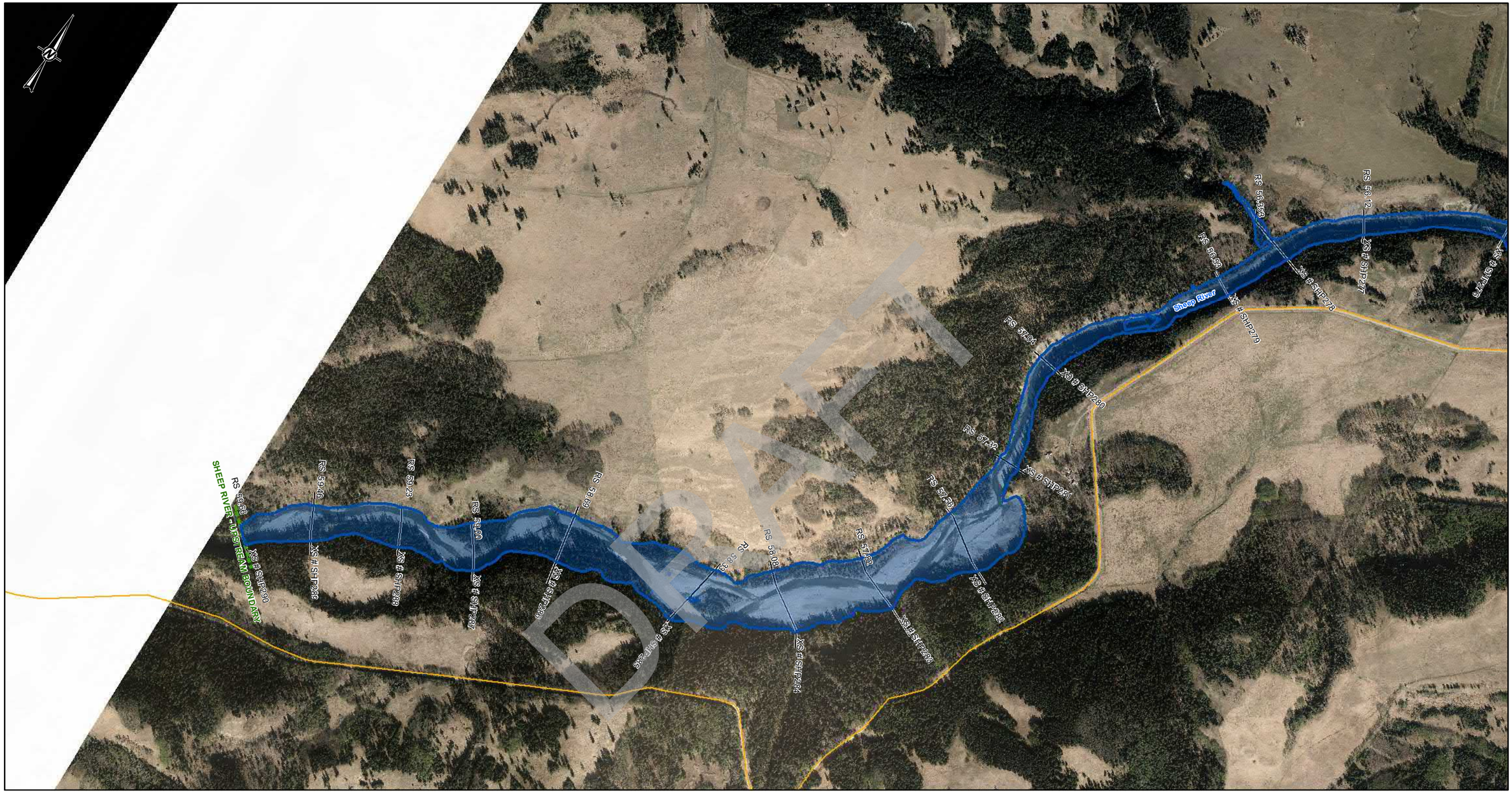
Classification: Public

350-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

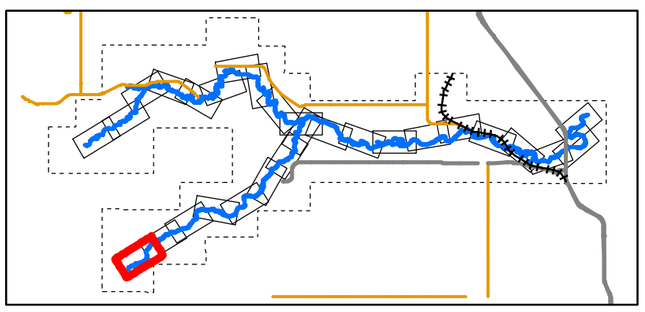
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1310 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 1 of 28

DRAFT

C:\Users\ajtaylor\Documents\ArcGIS\Projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE-FINAL_DELIVERABLES_2022

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Classification: Public

SHEET 1 ↑

SHEET 3 ↑

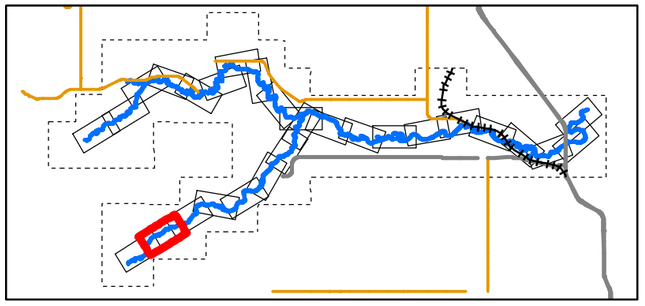
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1310 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 2 of 28

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25mm

0

Classification: Public

SHEET 2 ↑

SHEET 4 ↑

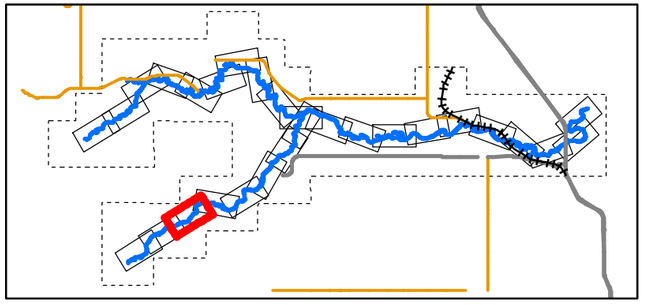
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1310 m^3/s



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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 3 of 28

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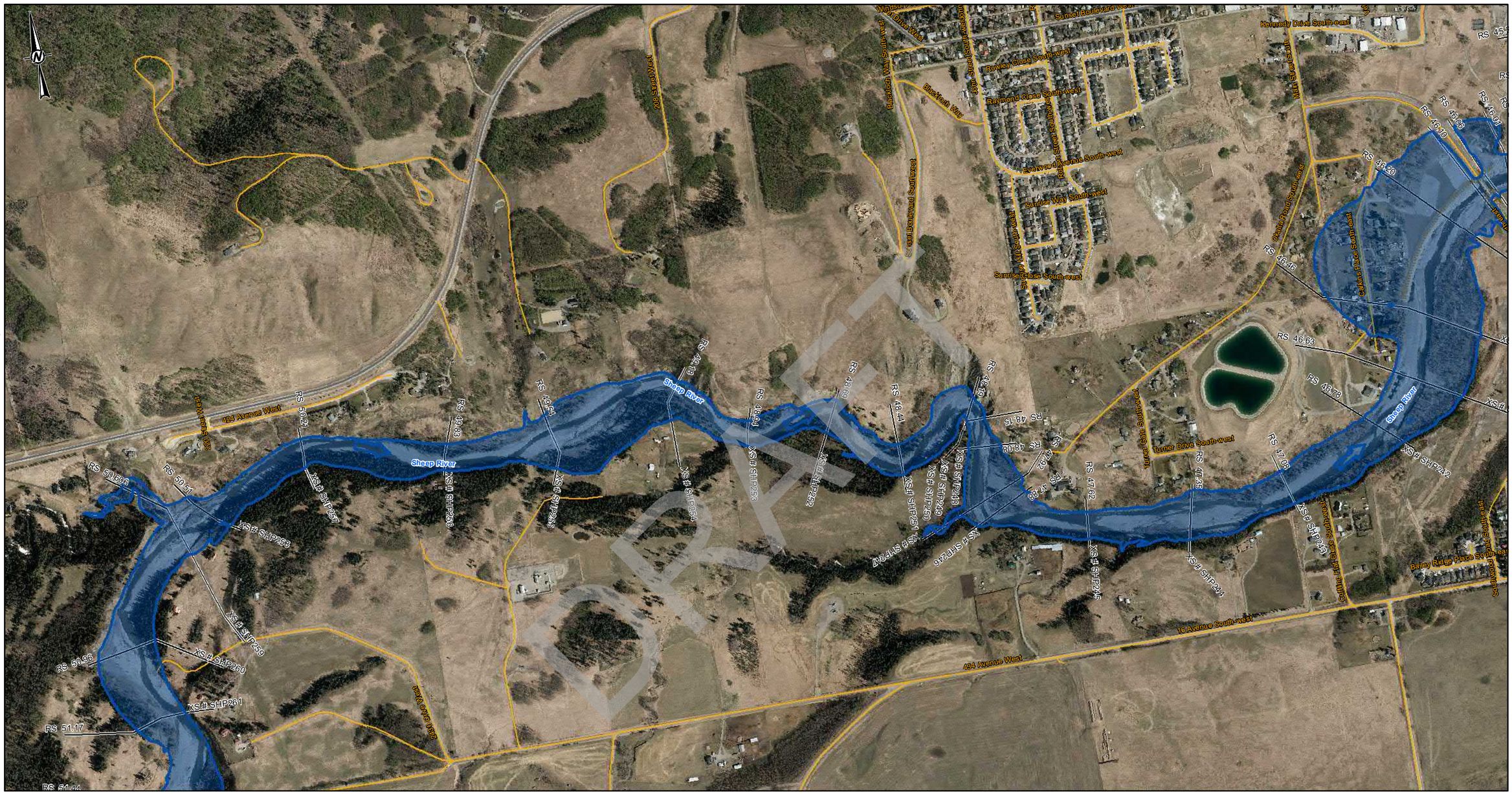
Classification: Public

SHEET 3 ↑

SHEET 5 ↑



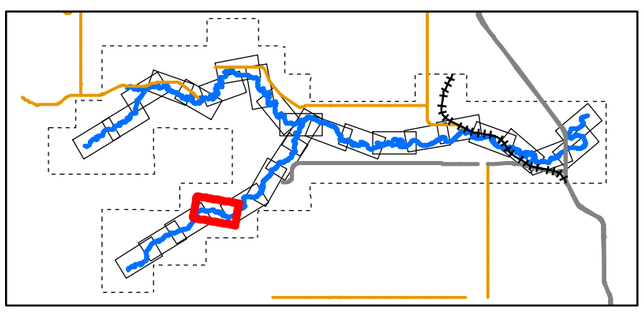
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1310 m^3/s



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 4 of 28

DRAFT

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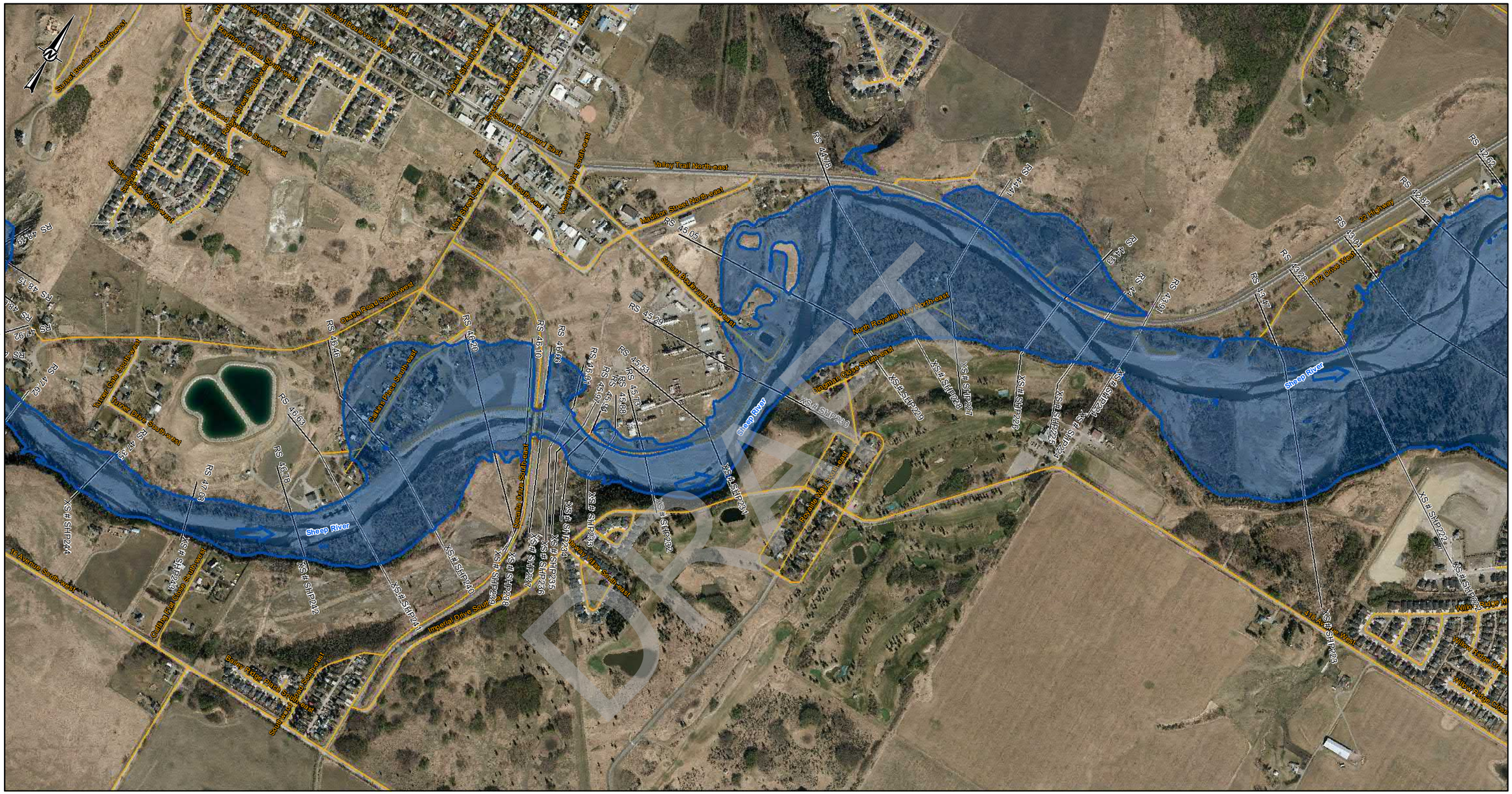
Classification: Public

SHEET 6 ↑

SHEET 4 ↑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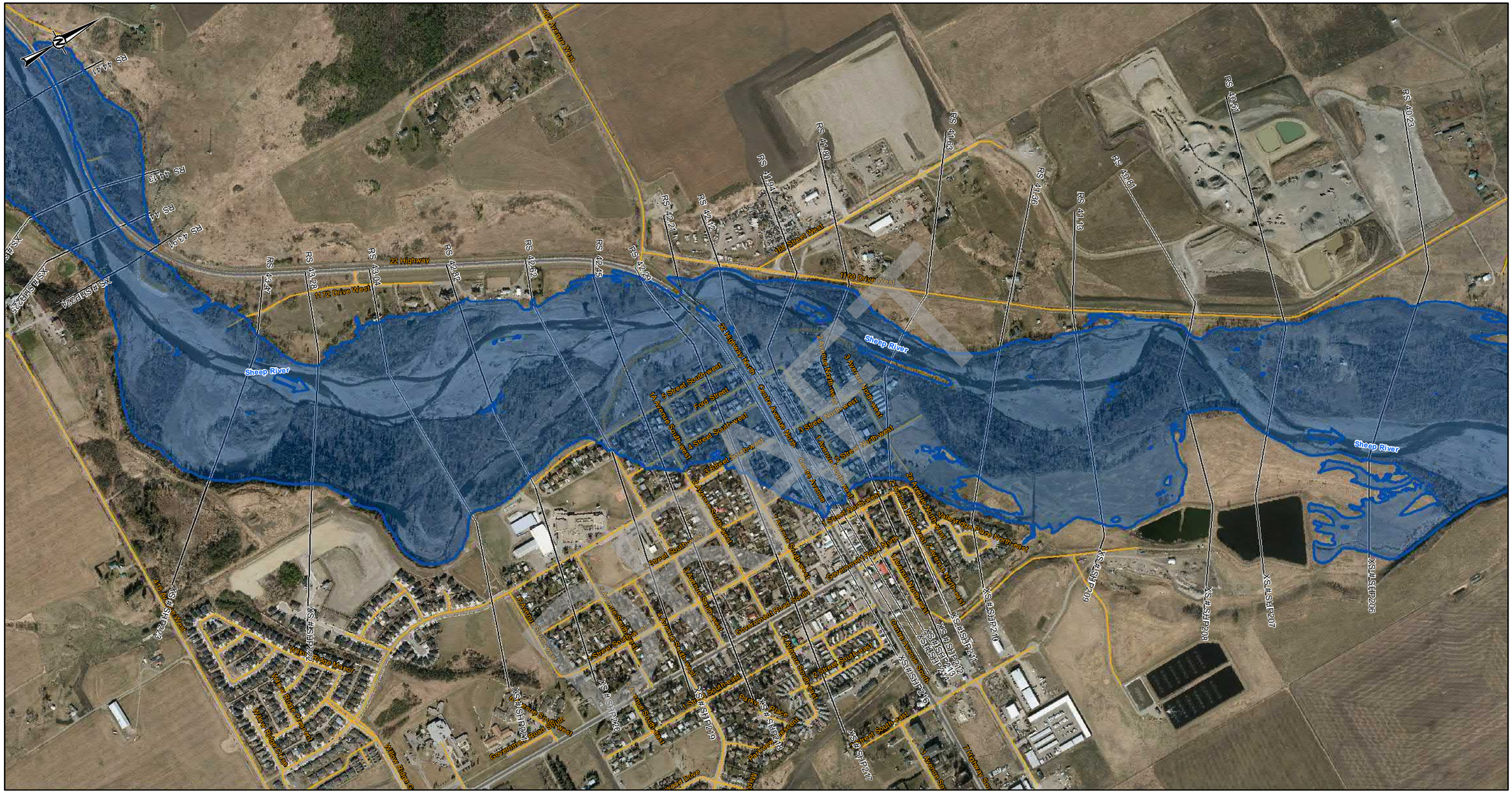
Sunset Boulevard West
Fairmont Close Southwest
Fairmont Close South-west
Fairmont Drive South-west
Fairmont Way South-west
Fairmont Crescent South-west
Alpine Street North-west
Southfork Boulevard West
Southfork Boulevard East
Valley Trail North-west
Valley Trail North-east
Valleyview Way South-west
Madison Street North-west
Nutt Street South
Kennedy Drive South-west
Sunset Boulevard South-east
Okotoks Road South-west
Oakfern Place South-west
Hazel Dell South-west
Hazel Dell Drive South-west
Sheep River
Sheep River
Sheep River

SHEET 5 ↑

SHEET 7 ↑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RS 44.41
RS 44.13
RS 43.97
XS #SHP225
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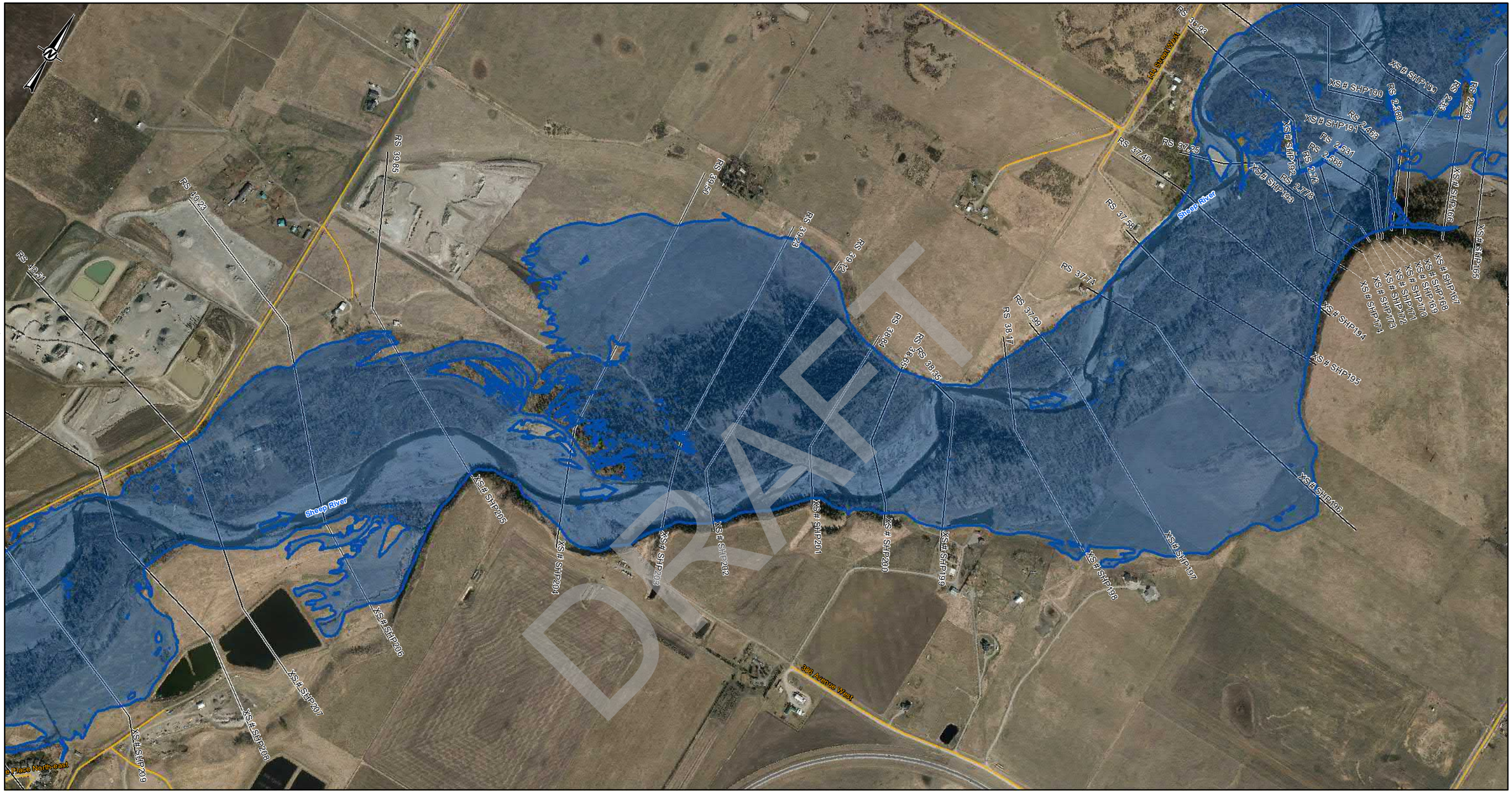
RS 43.47
RS 43.28
RS 43.04
RS 42.82
RS 42.62
RS 42.45
RS 42.29
RS 42.21
RS 42.12
RS 41.94
RS 41.80
RS 41.69
RS 41.36
RS 41.18
RS 40.61
RS 40.51
RS 40.23
22 Highway
172 Drive West
170 Drive West
182 Street West
Sheep River
Willow Ridge Crescent
Willow Ridge Close
Willow Ridge Road
Willow Ridge Drive
Willow Ridge Vista
Willow Ridge Cove
Willow Ridge Green
Willow Ridge Way
Willow Ridge Rise
Willow Ridge Gate
Willow Ridge Point
Willow Ridge Mews
Willow Ridge Manor
Willow Ridge Landing
Willow Ridge Heights
Willow Ridge Grove
Willow Ridge Boulevard
Willow Ridge Bay
Willow Ridge Avenue
Willow Ridge Circle

SHEET 6 ↑

SHEET 8 ↑

DRAFT



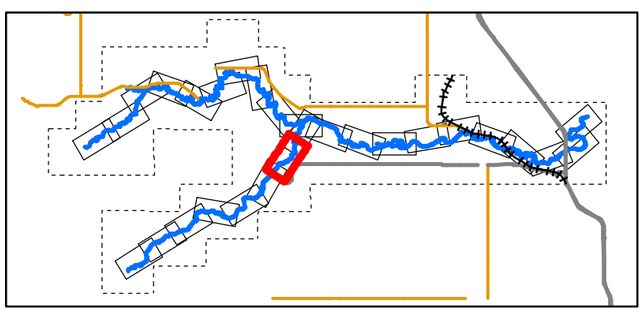
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1310 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 7 of 28

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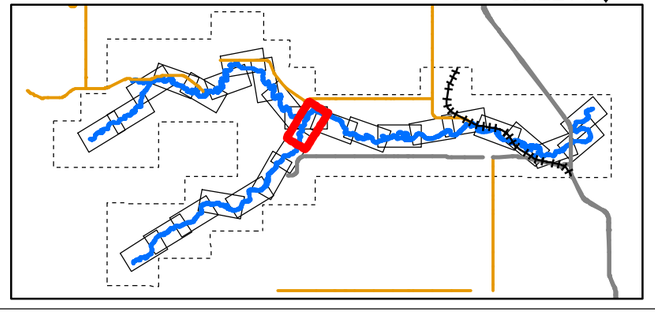
Classification: Public

SHEET 27 ↑

SHEET 7 ↑

SHEET 9 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1000 m ^{3}/s
SHEEP RIVER= 1310 m ^{3}/s
SHEEP RIVER= 2310 m ^{3}/s (DS- RS 34.28)

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 8 of 28

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

25mm

0

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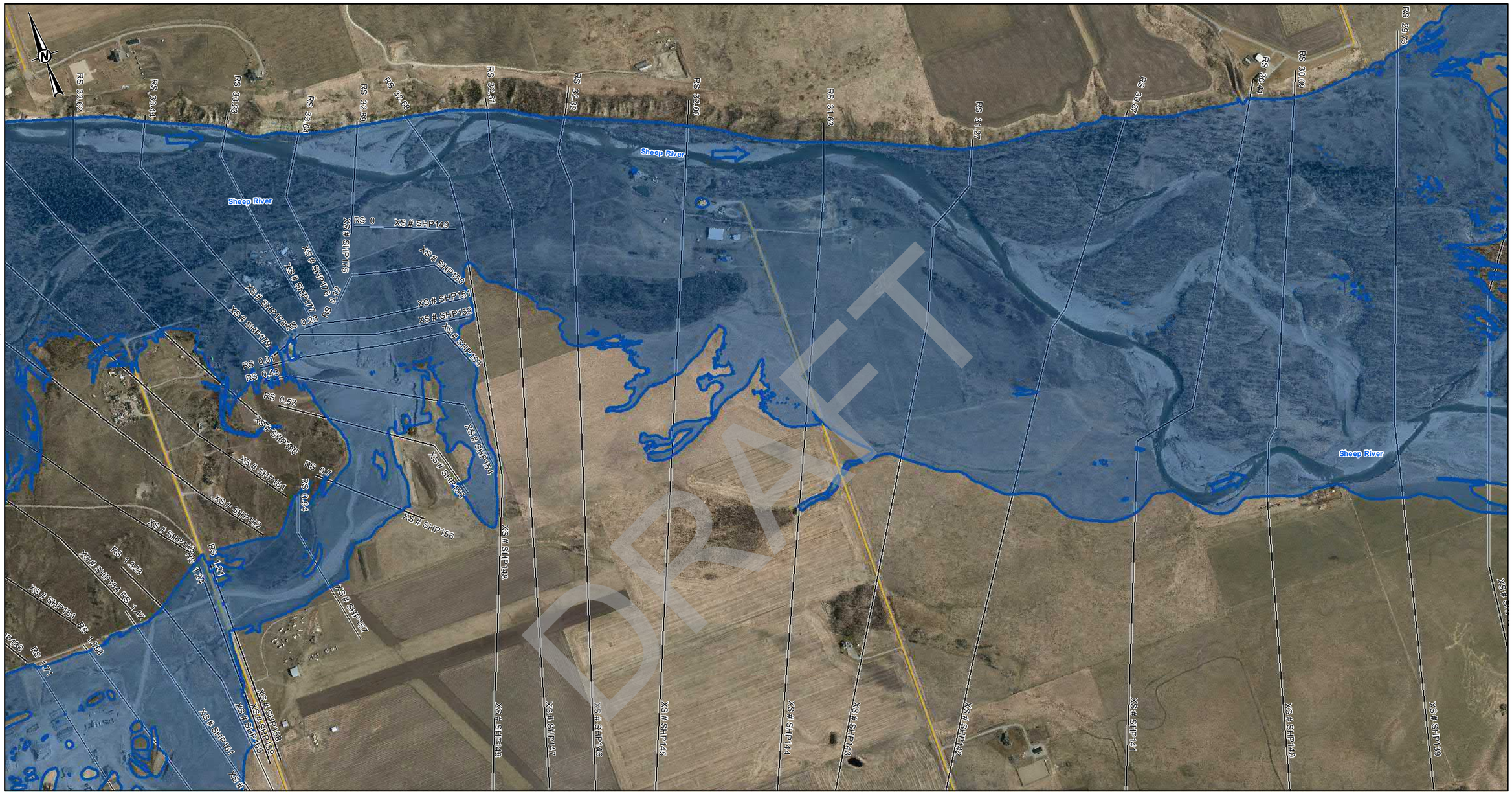
Classification: Public

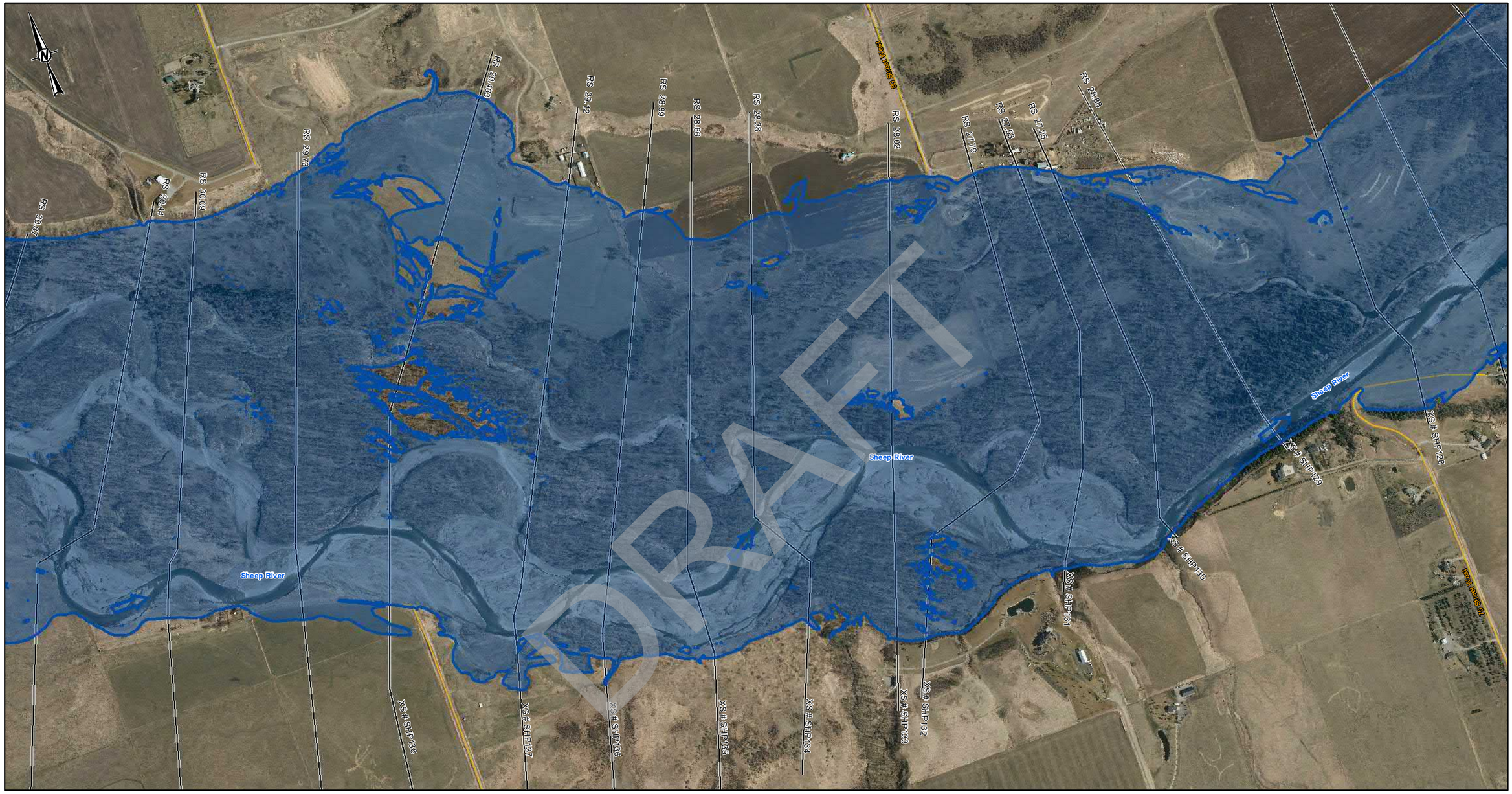
SHEET 8 ↑

SHEET 10 ↑



SHEET 9 ↑

SHEET 11 ↑



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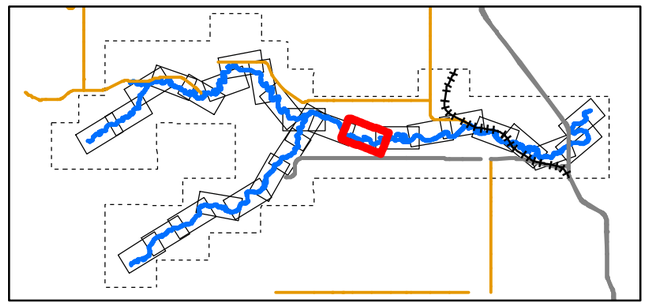
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1950 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 10 of 28

Classification: Public

C:\Digitalized Projects\WATERPOWER\12345\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
20mm
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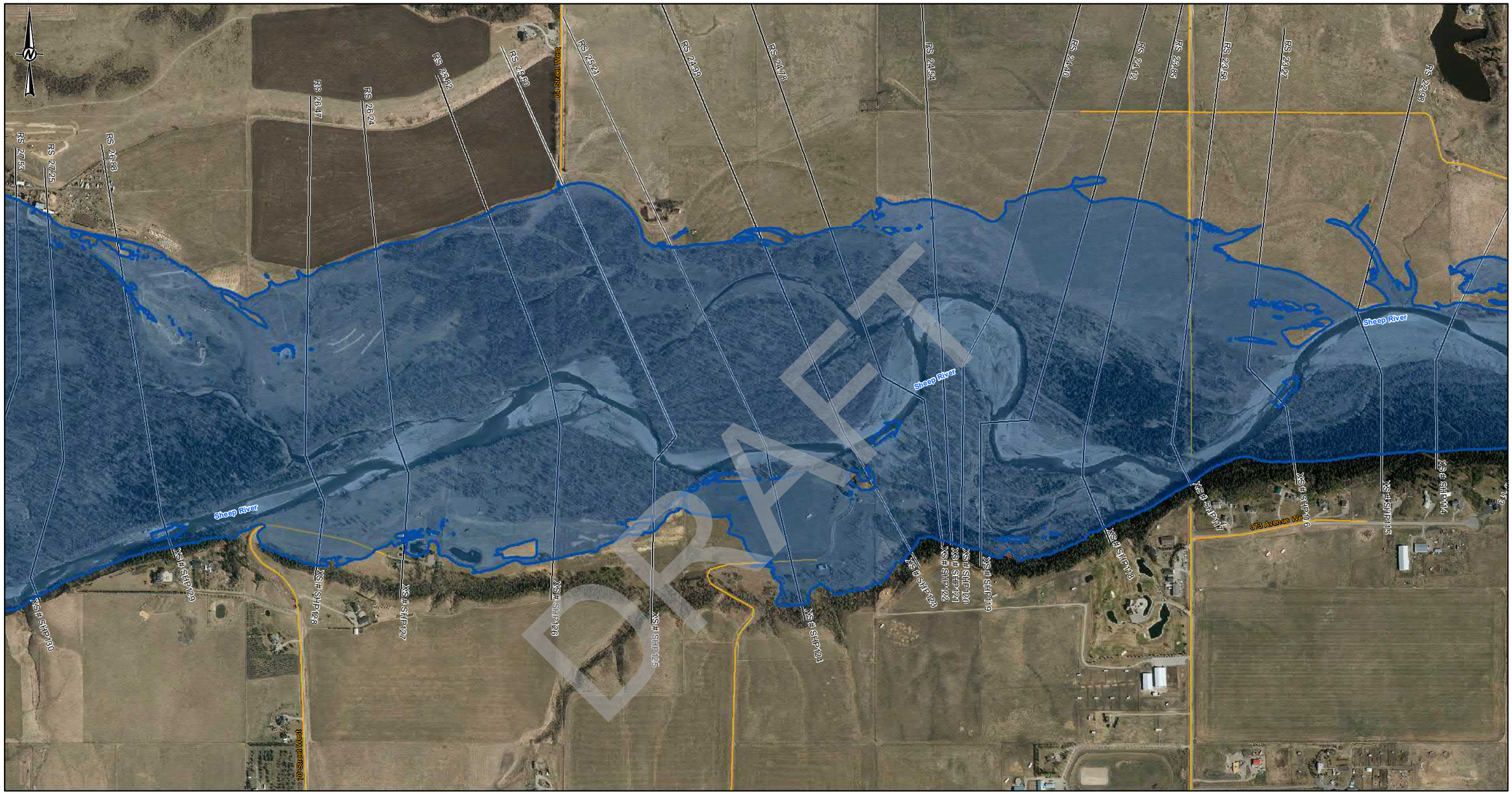
SHEET 10 ↑

SHEET 12 ↑



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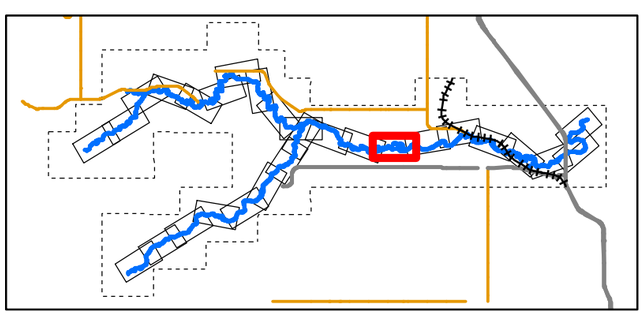
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1950 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 11 of 28

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Classification: Public

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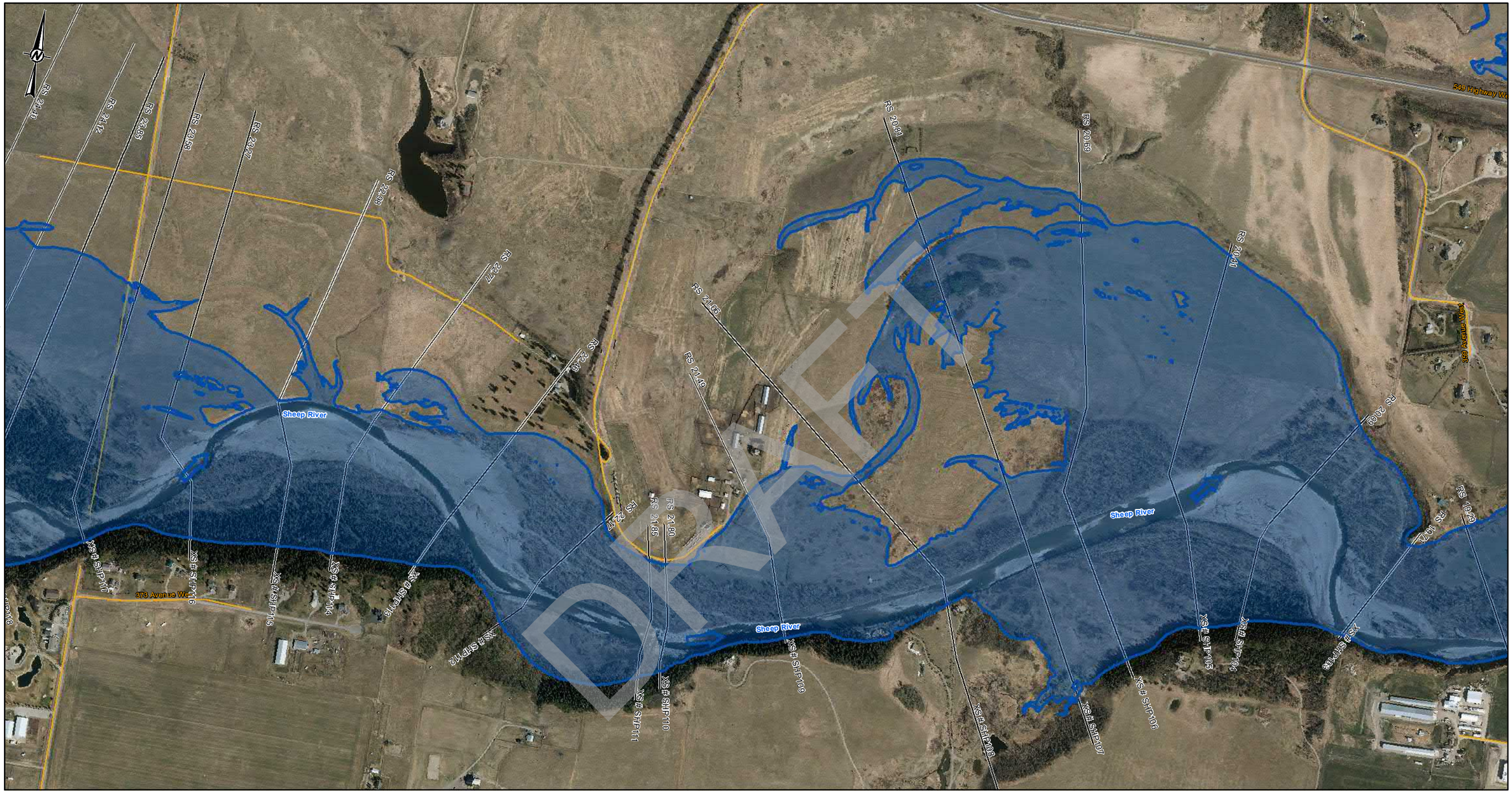
SHEET 13 ↑



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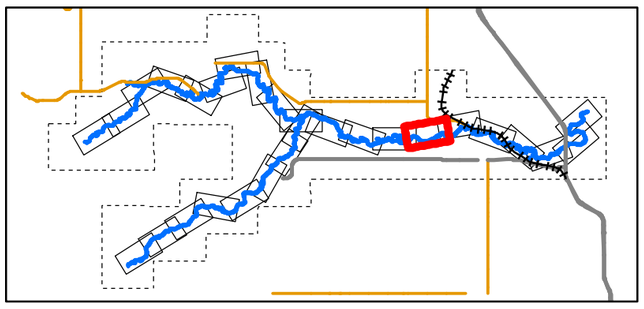
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1950 m^3/s



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APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 12 of 28

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

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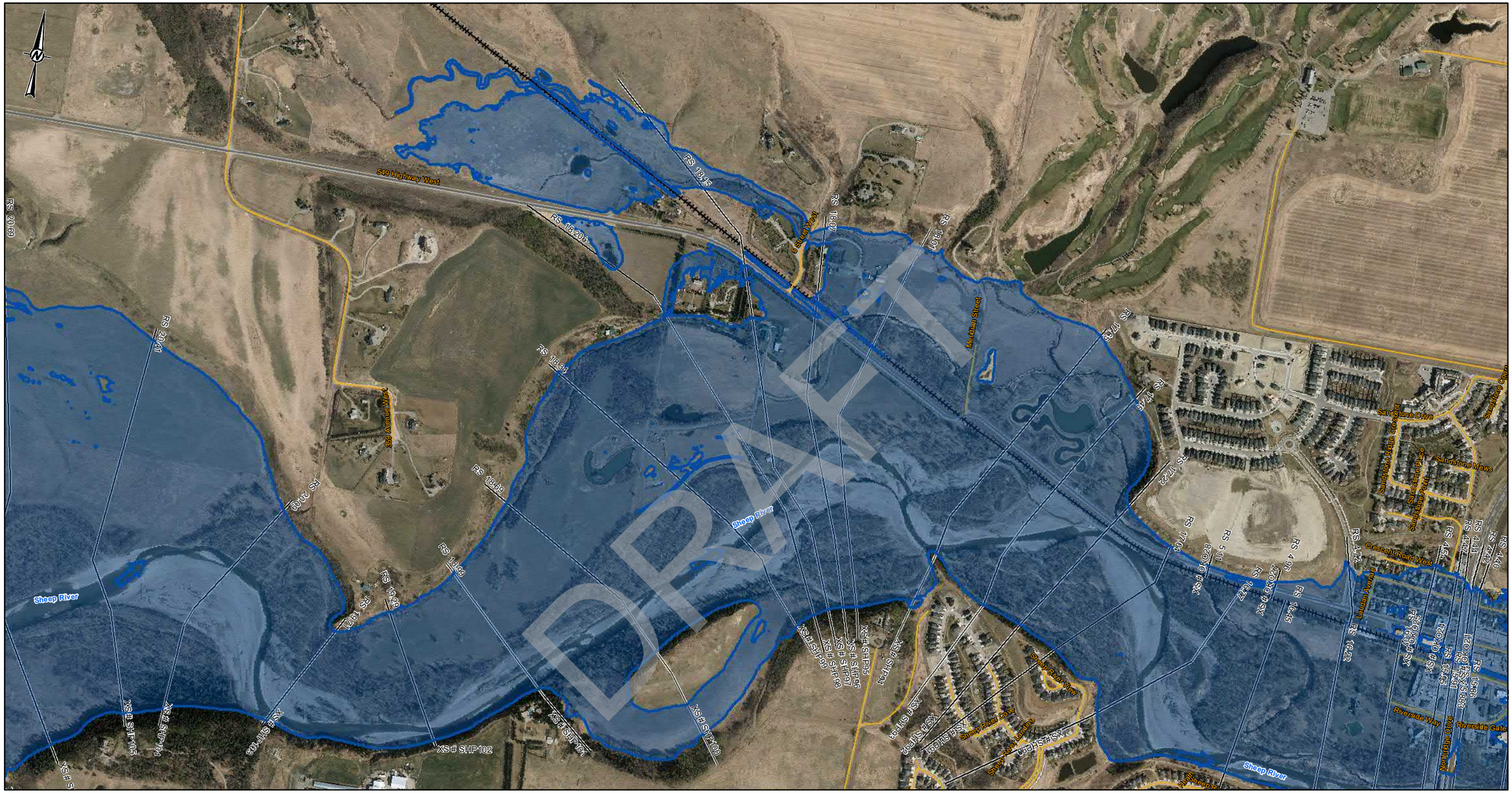
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



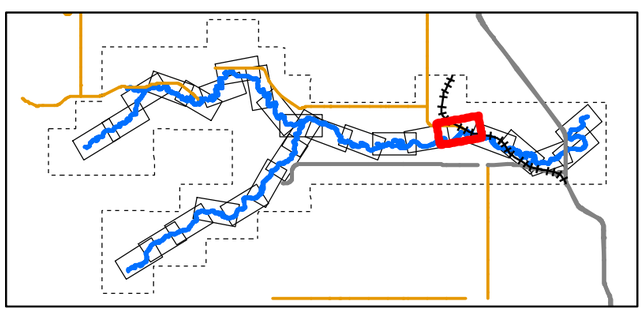
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1950 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 13 of 28

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Classification: Public

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0 25mm

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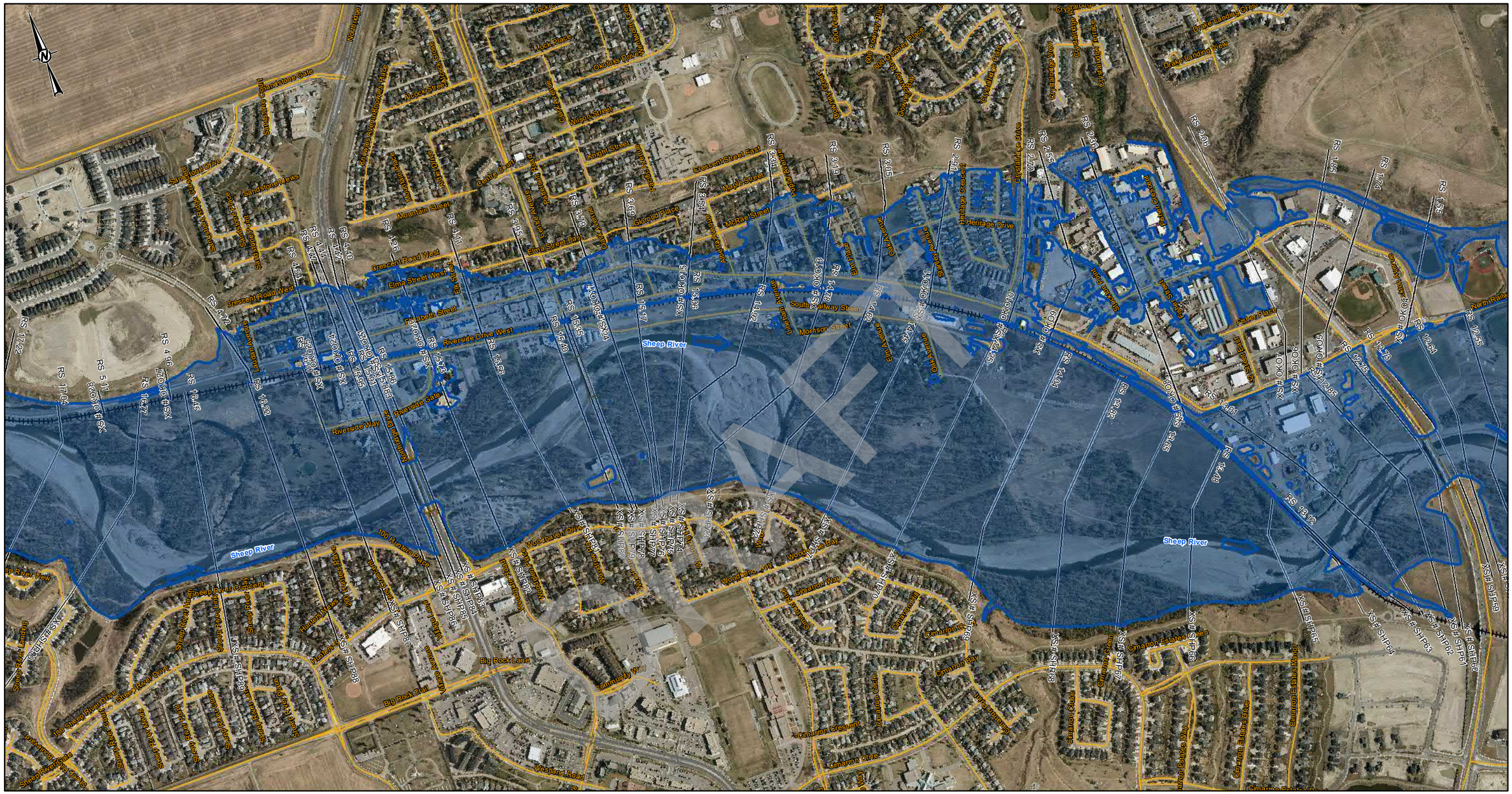
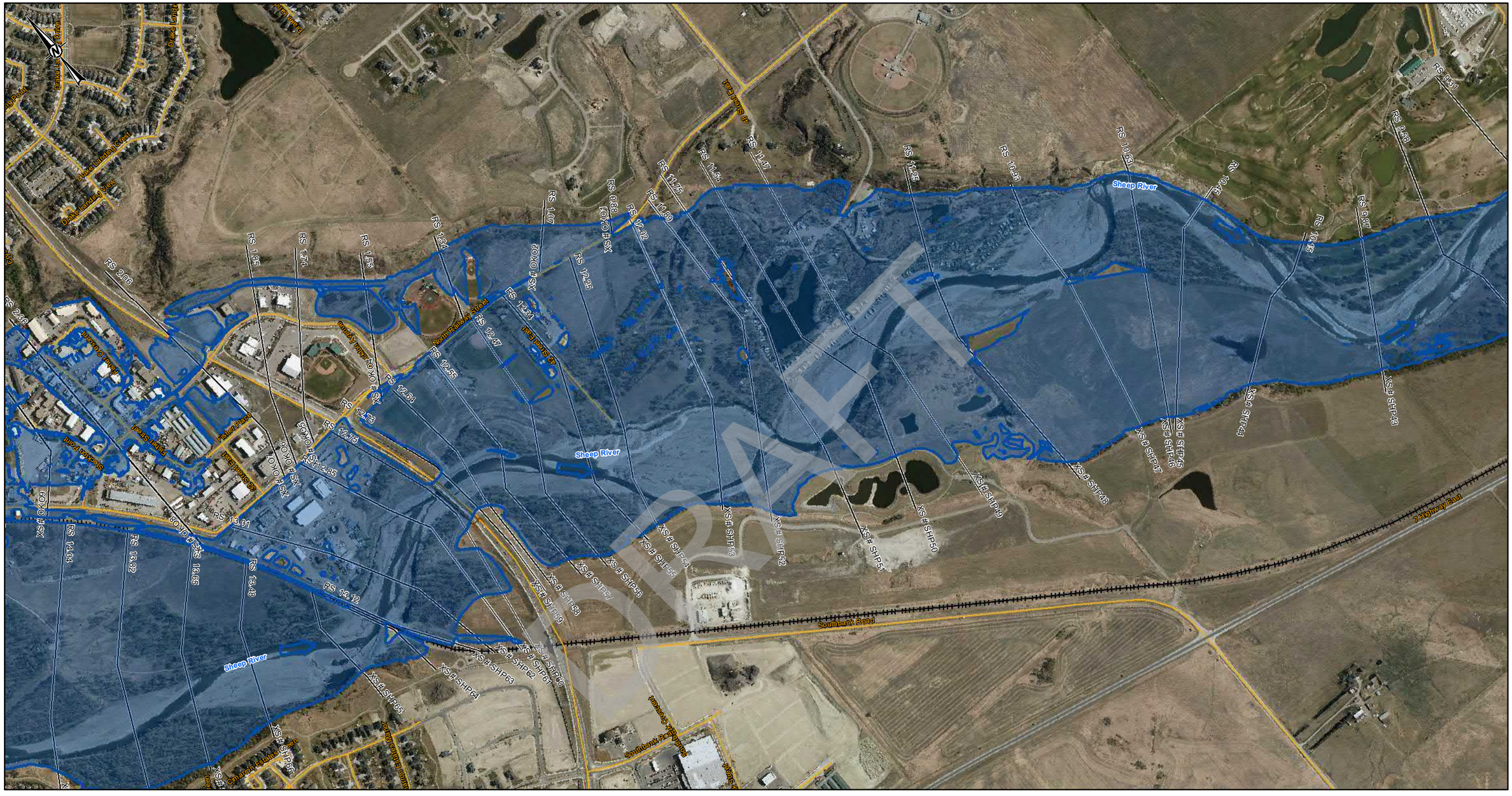
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Riverside Drive West
Elizabeth Street
Elma Street West
Crescent Road West
Mountain Street
Centre Court
Elma Street East
Crescent Street East
Maple Street
McRae Street
Knight Street
Alcock Street
Marsh Street
Oakview Drive
Oakview Crescent
Oakview Place
Oakview Terrace
Oakview Gate
Oakview Way
Oakview Park
Oakview Rise
Oakview Heights
Oakview Manor
Oakview Point
Oakview Cove
Oakview Bay
Oakview Circle
Oakview Pond
Oakview Pond Crescent
Oakview Pond Terrace
Oakview Pond Gate
Oakview Pond Point
Oakview Pond Rise
Oakview Pond Heights
Oakview Pond Manor
Oakview Pond Park
Oakview Pond Cove
Oakview Pond Way
Oakview Pond Bay
Oakview Pond Circle

SHEET 14 ↑

SHEET 16 ↑



DRAFT

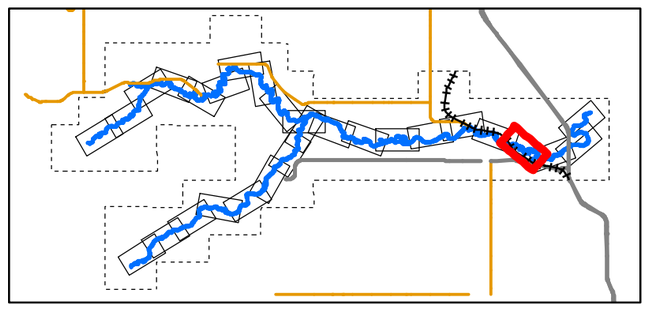
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1950 m^3/s
SHEEP RIVER= 2002 m^3/s (DS- RS 12.02)
SHEEP RIVER= 2050 m^3/s (DS- RS 11.25)



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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 15 of 28

Classification: Public

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SHEET 15 ↑

SHEET 17 ↑

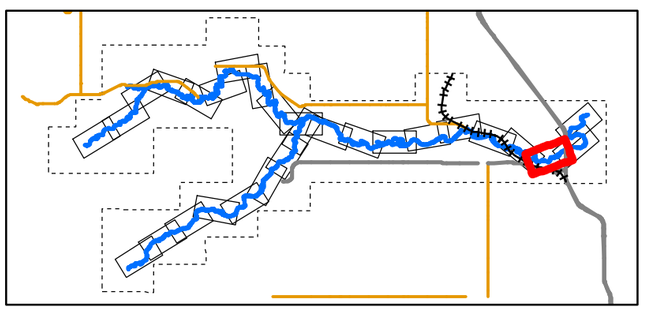
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2050 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 16 of 28

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

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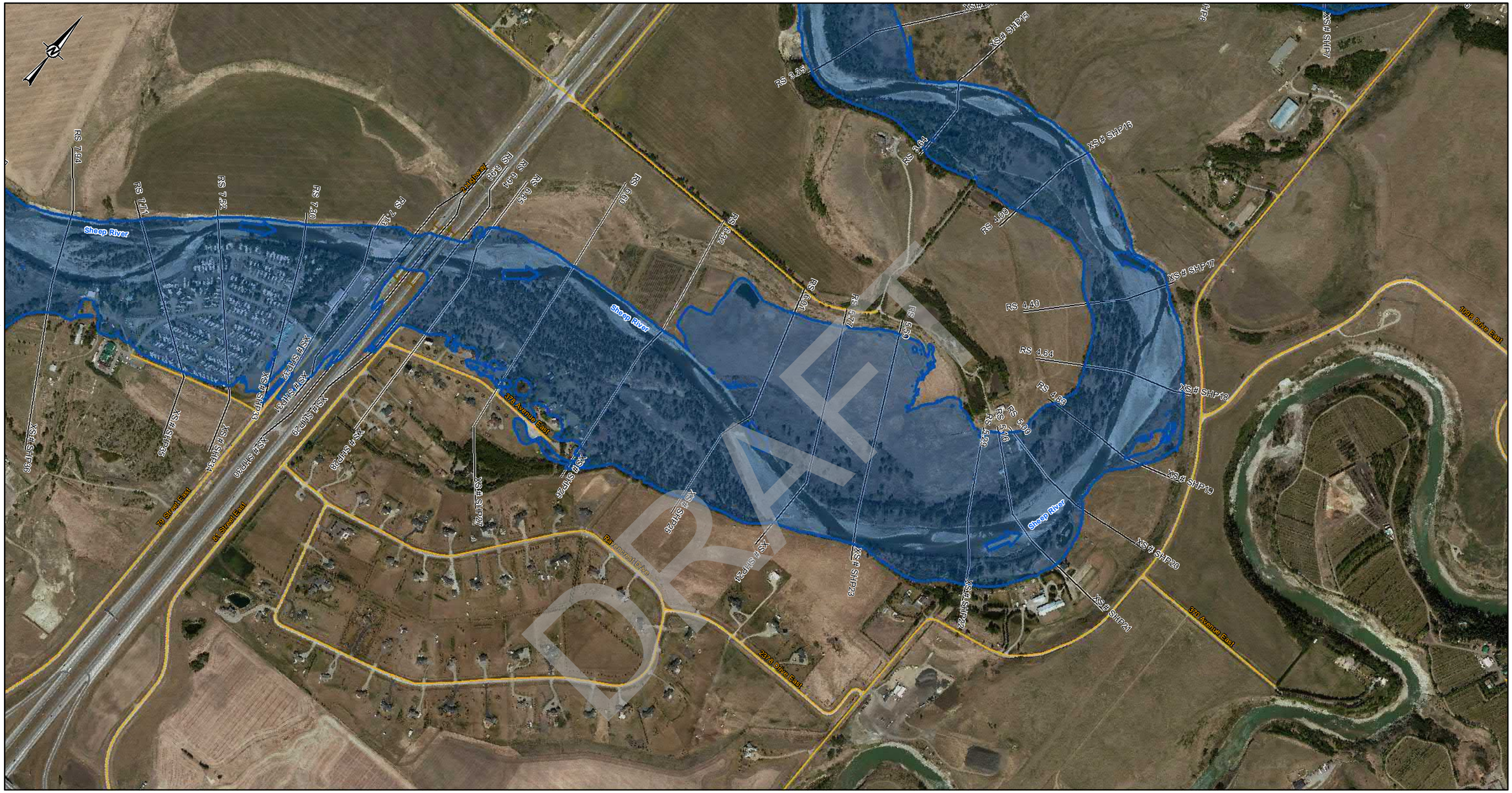
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



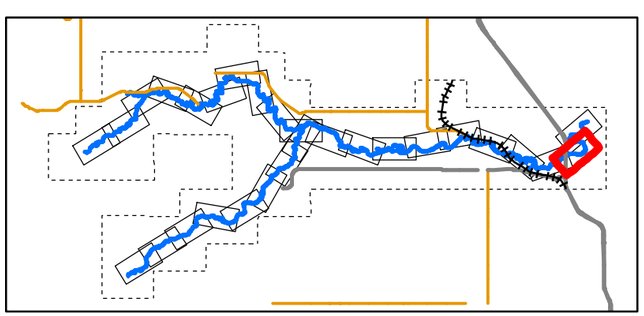
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2050 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 17 of 28

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0 25mm

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SHEET 17 ↓

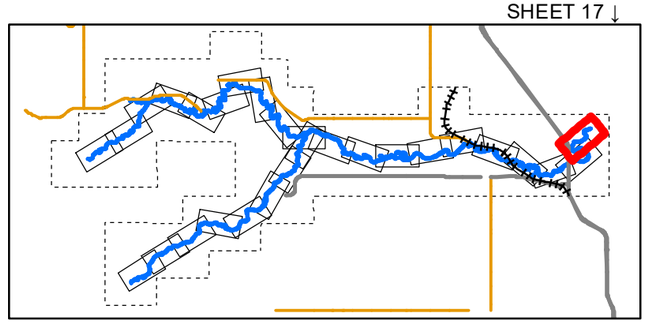
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2050 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 18 of 28

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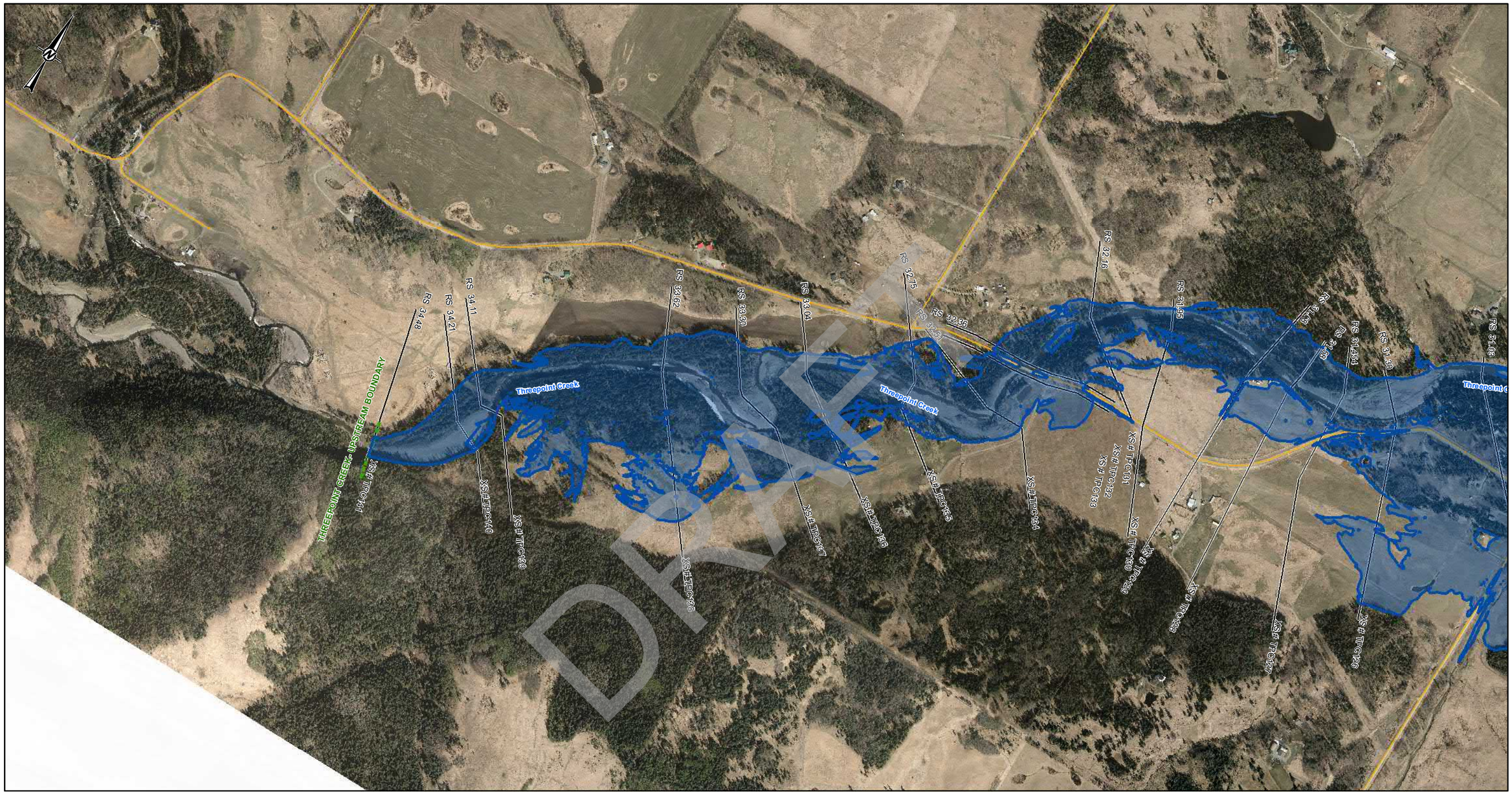
Classification: Public



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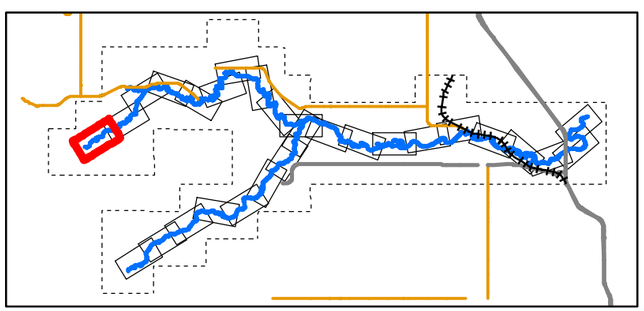
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 386 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 19 of 28

SHEET 20 ↑

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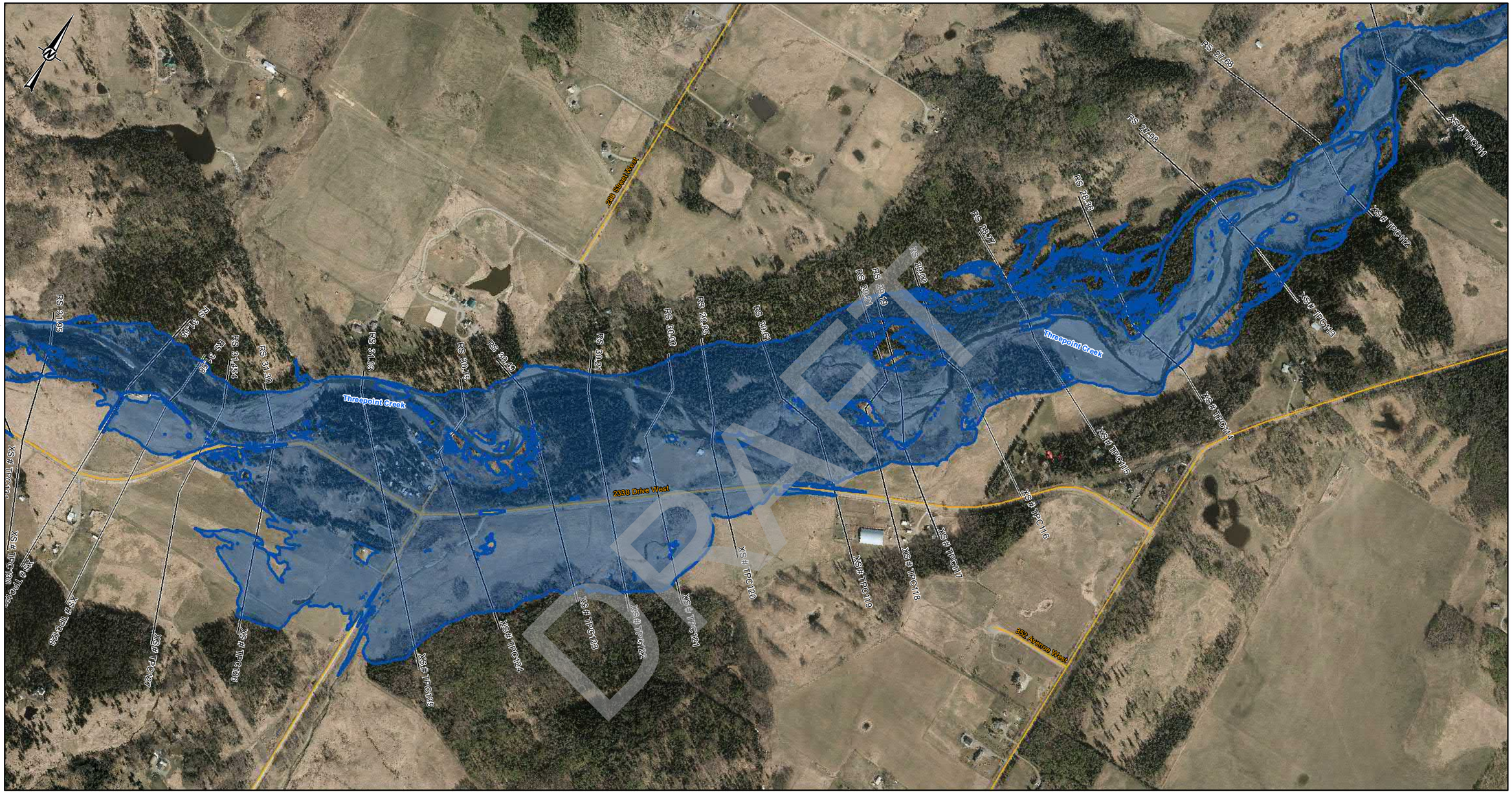
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



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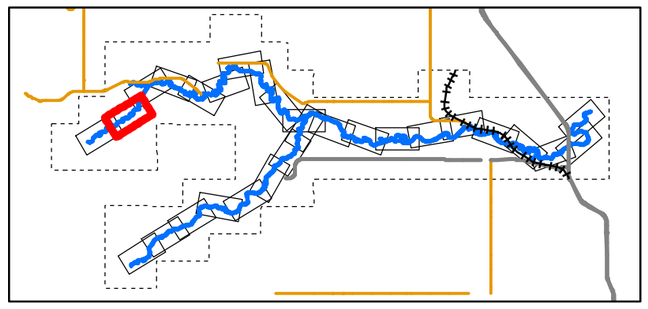
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 386 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 20 of 28

Classification: Public

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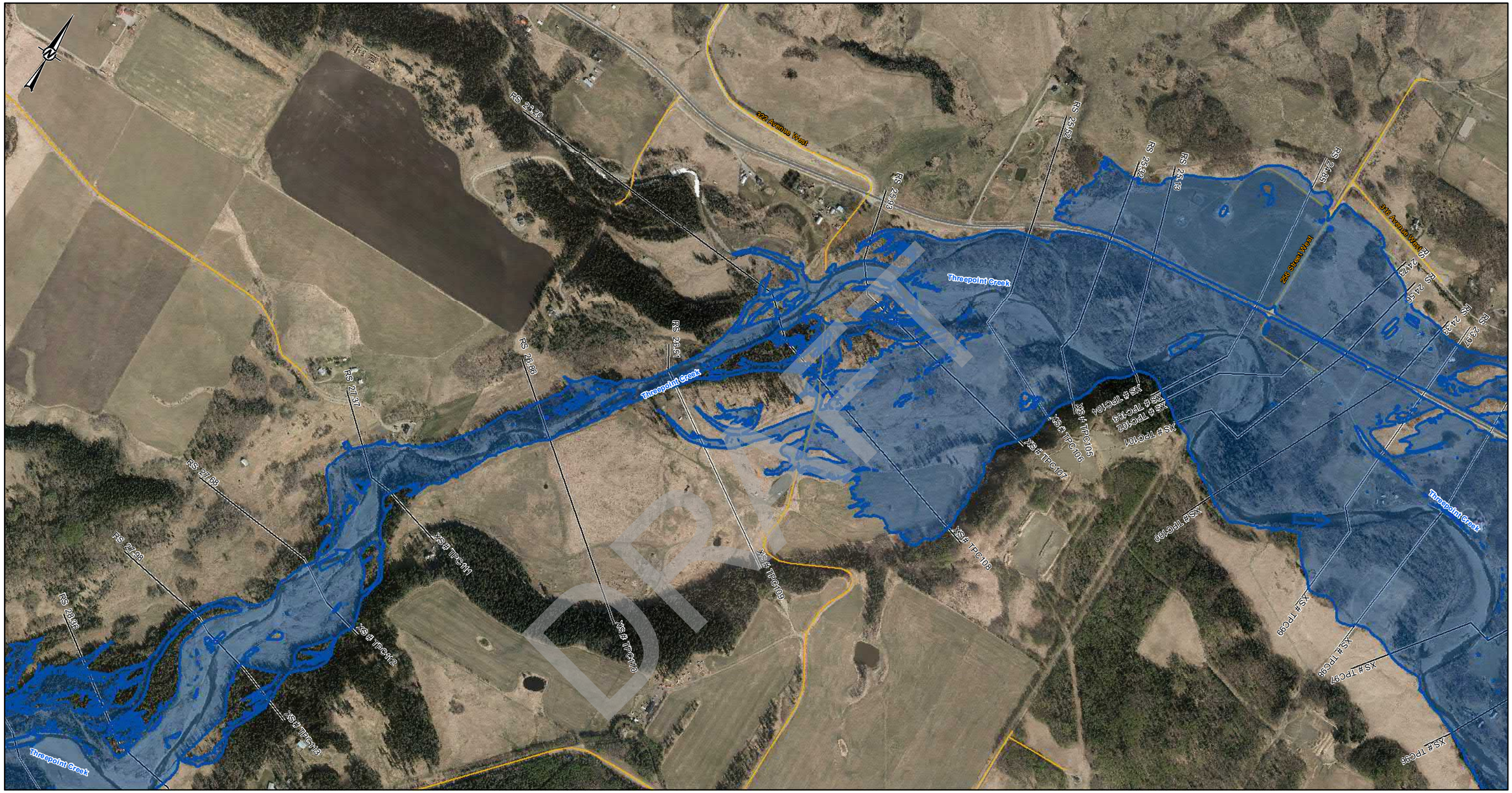
SHEET 20 ↑

SHEET 22 ↑



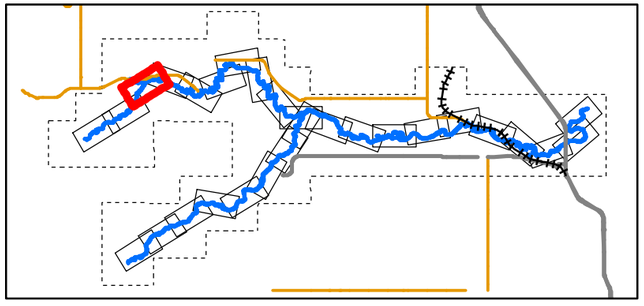
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 386 m^3/s
THREEPOINT CREEK= 803 m^3/s (DS- RS 25.93)



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TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 21 of 28

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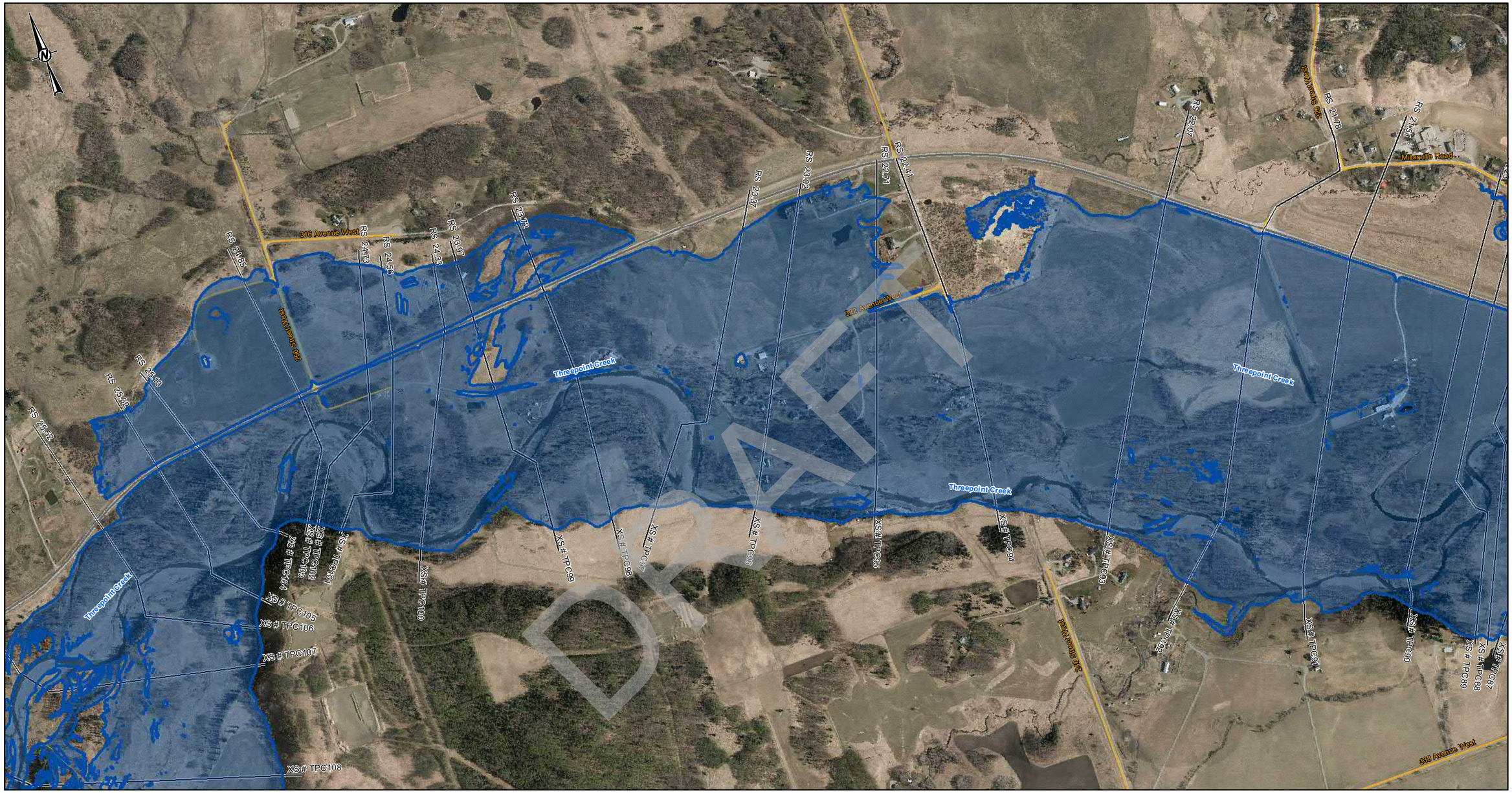
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



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LEGEND

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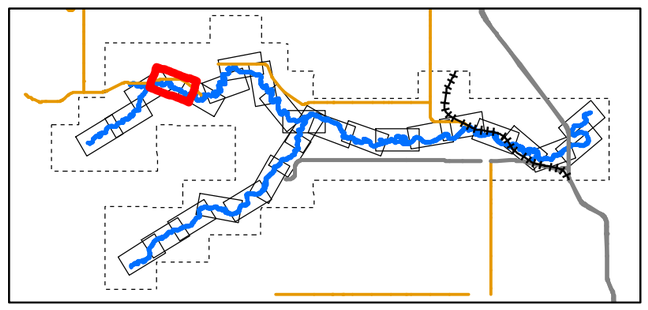
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 803 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 22 of 28

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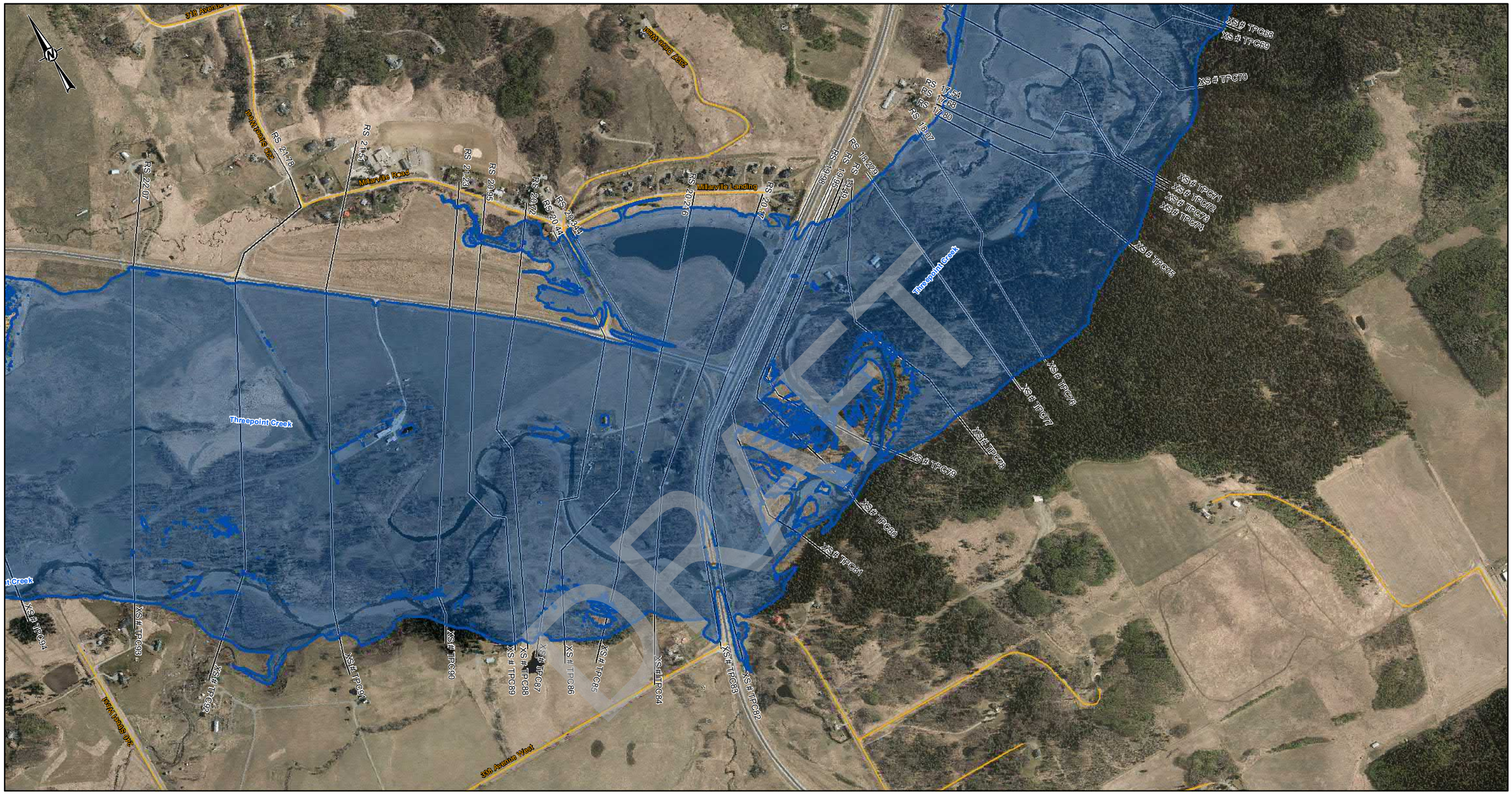
SHEET 24 ↑

SHEET 22 ↑



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- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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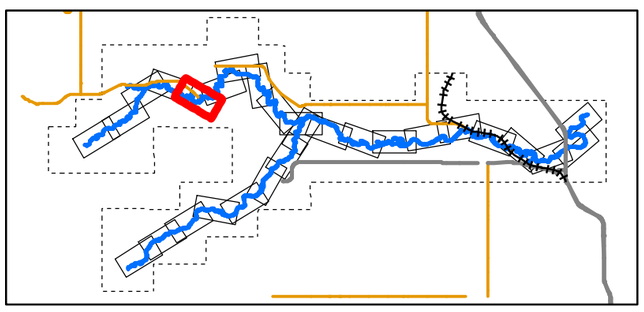
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 803 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 23 of 28

DRAFT

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25mm
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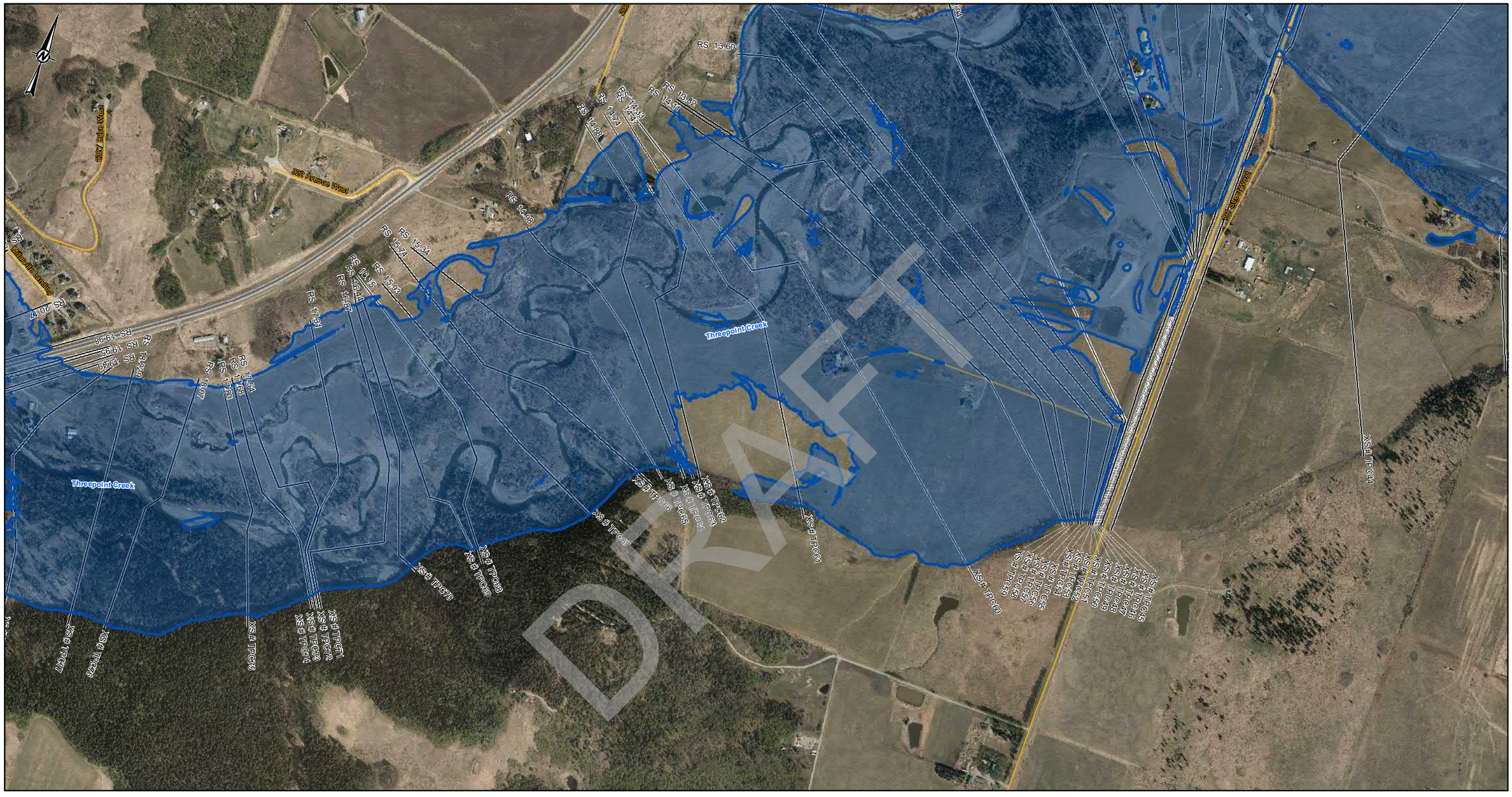
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

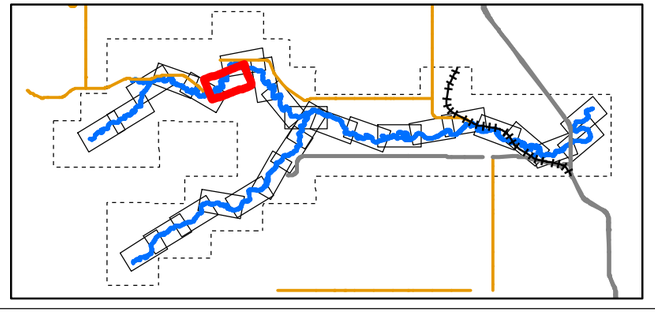
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 803 m^3/s
THREEPOINT CREEK= 1000 m^3 (DS- RS 14.98)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 24 of 28

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25mm

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Classification: Public

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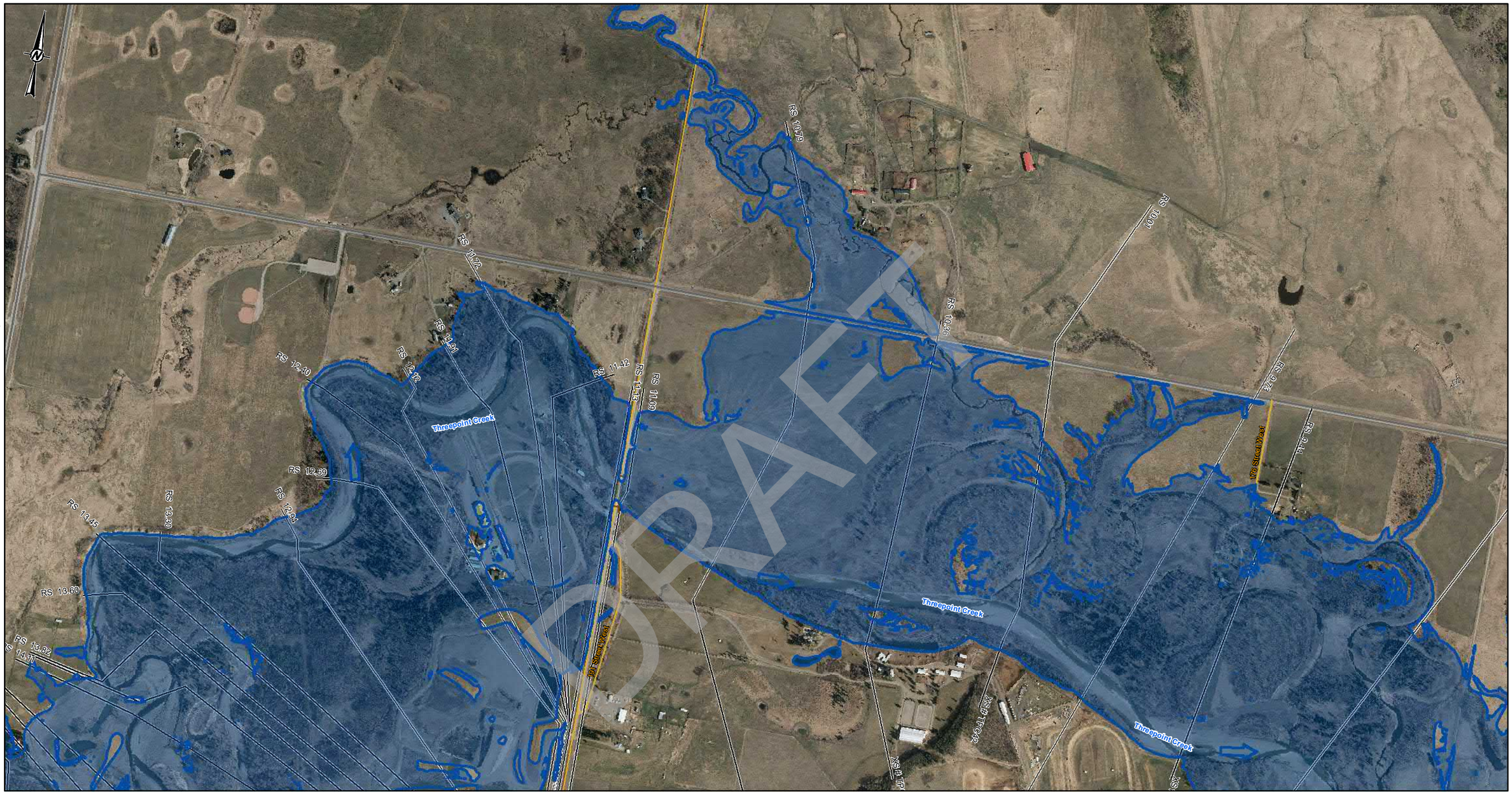

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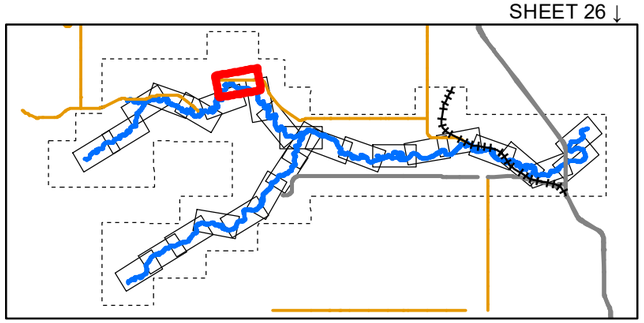

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1000 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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ALBERTA ENVIRONMENT AND PARKS

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 25 of 28

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Classification: Public

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25mm
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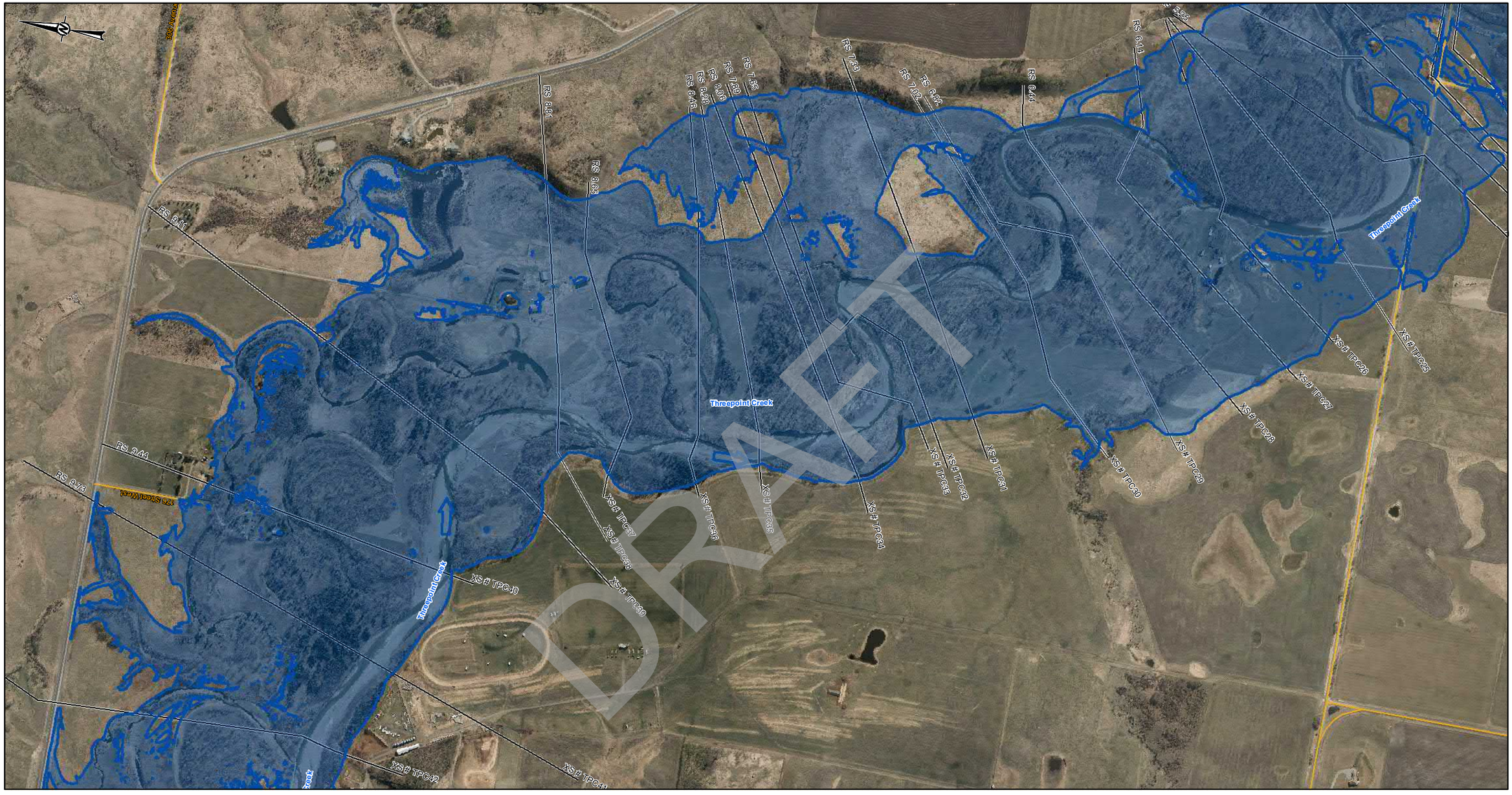
SHEET 25 ↑

SHEET 27 ↑



DRAFT

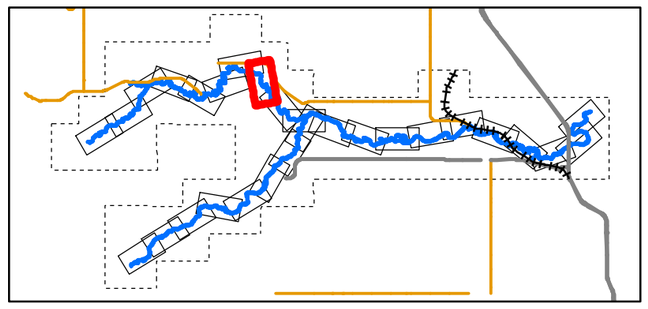
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1000 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 26 of 28

Classification: Public

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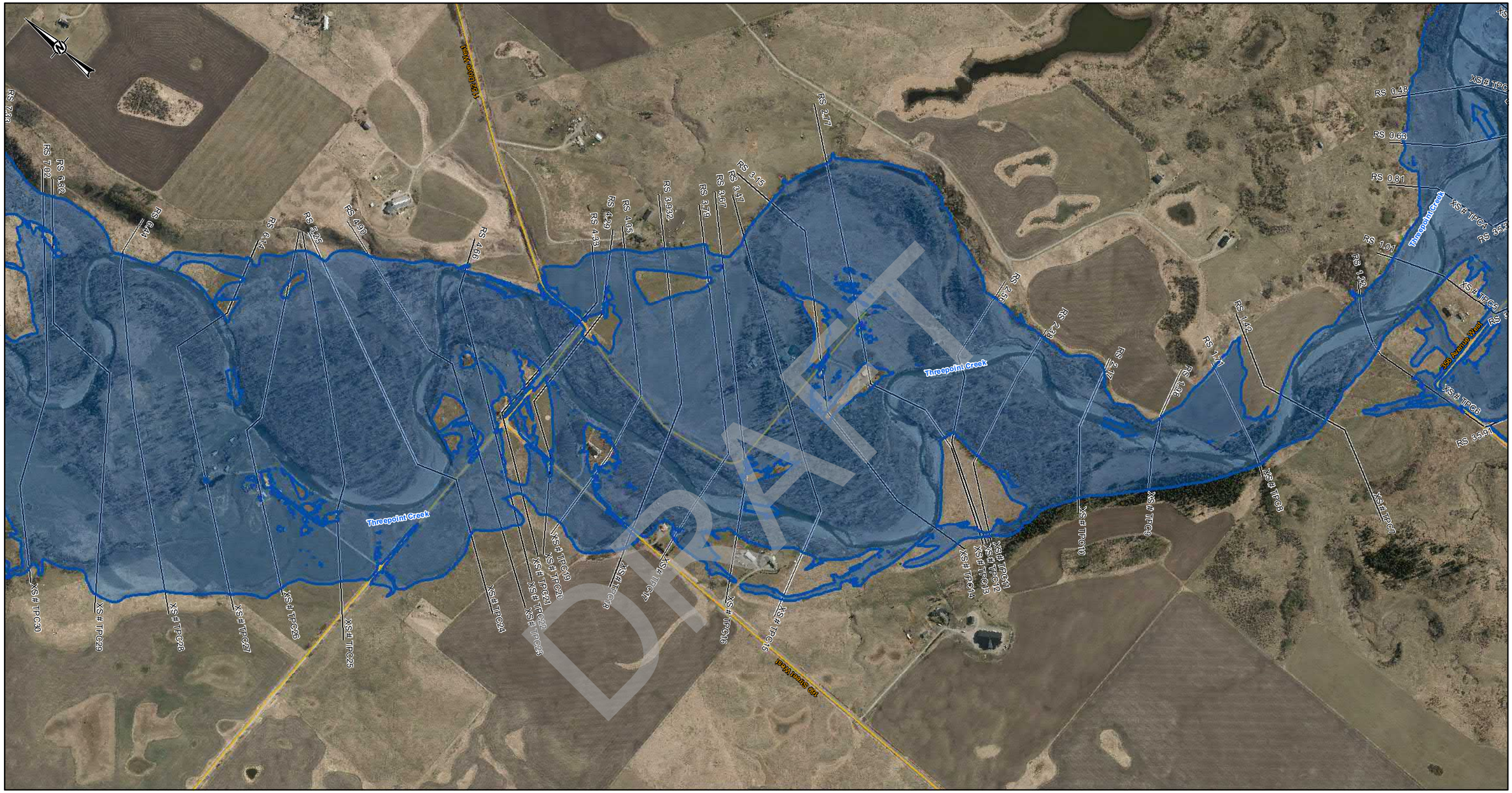
SHEET 26 ↑

SHEET 28 ↑



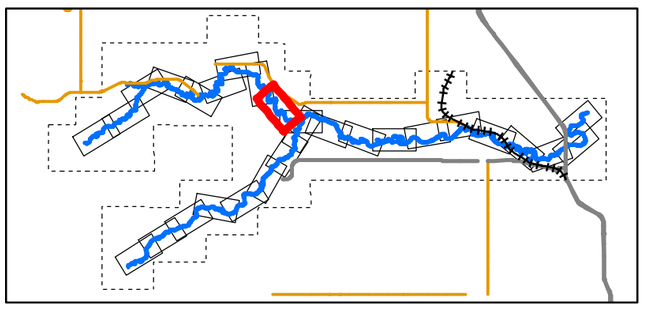
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1000 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 27 of 28

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

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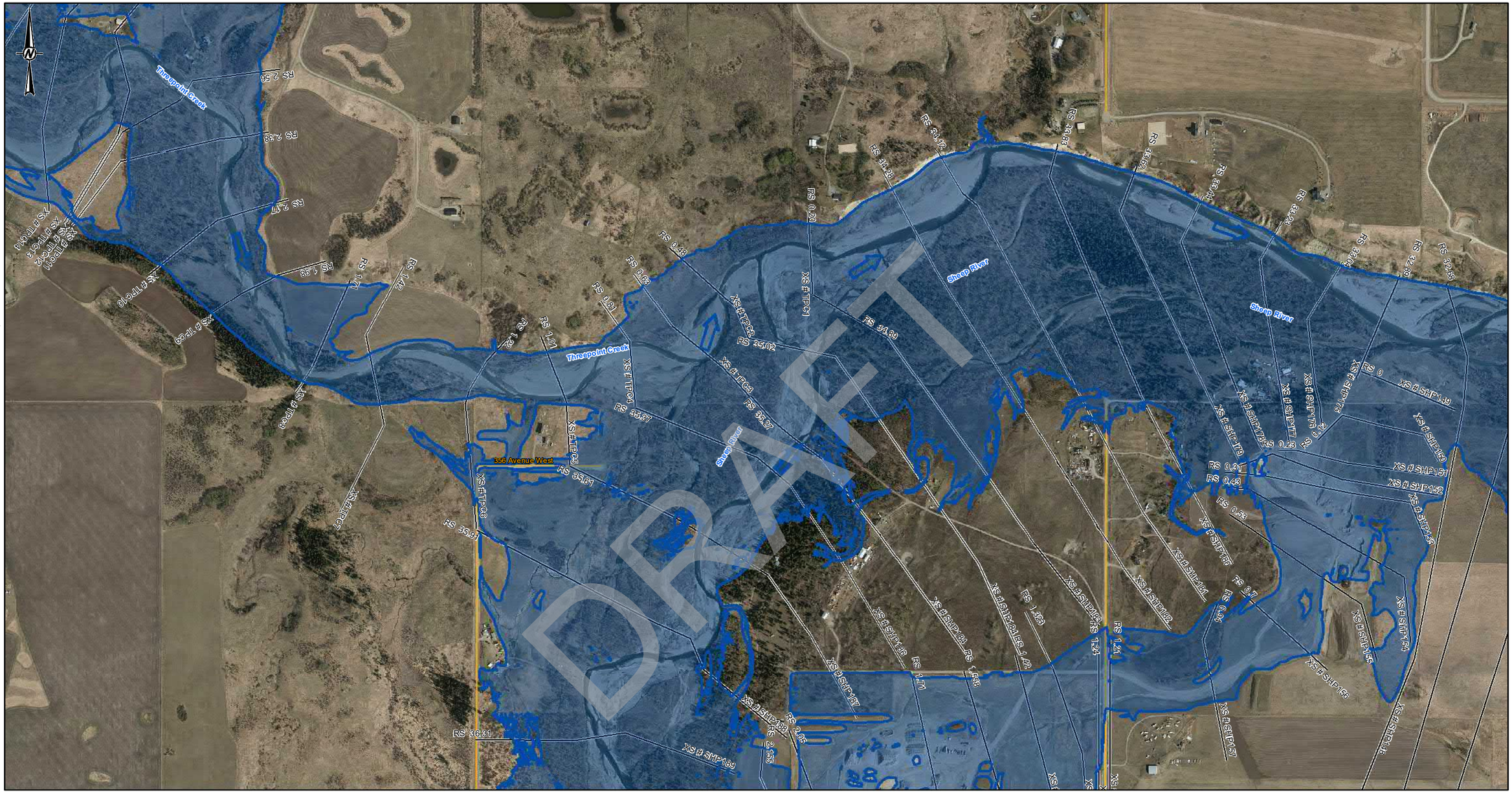
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



DRAFT

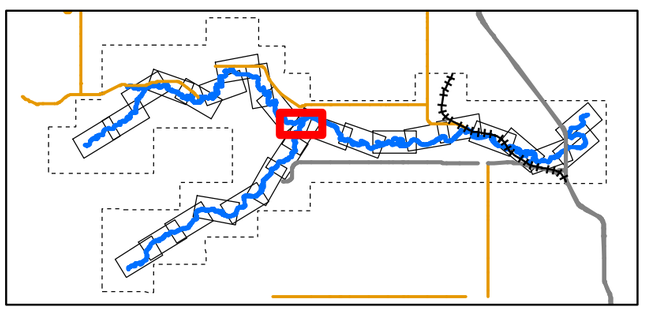
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

350-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1000 m ³/s
SHEEP RIVER= 1310 m³/s
SHEEP RIVER= 2310 m ³/s (DS- RS 34.28)



0 50 100 200 300 400
1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
350- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0010-3333	0	Sheet 28 of 28

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

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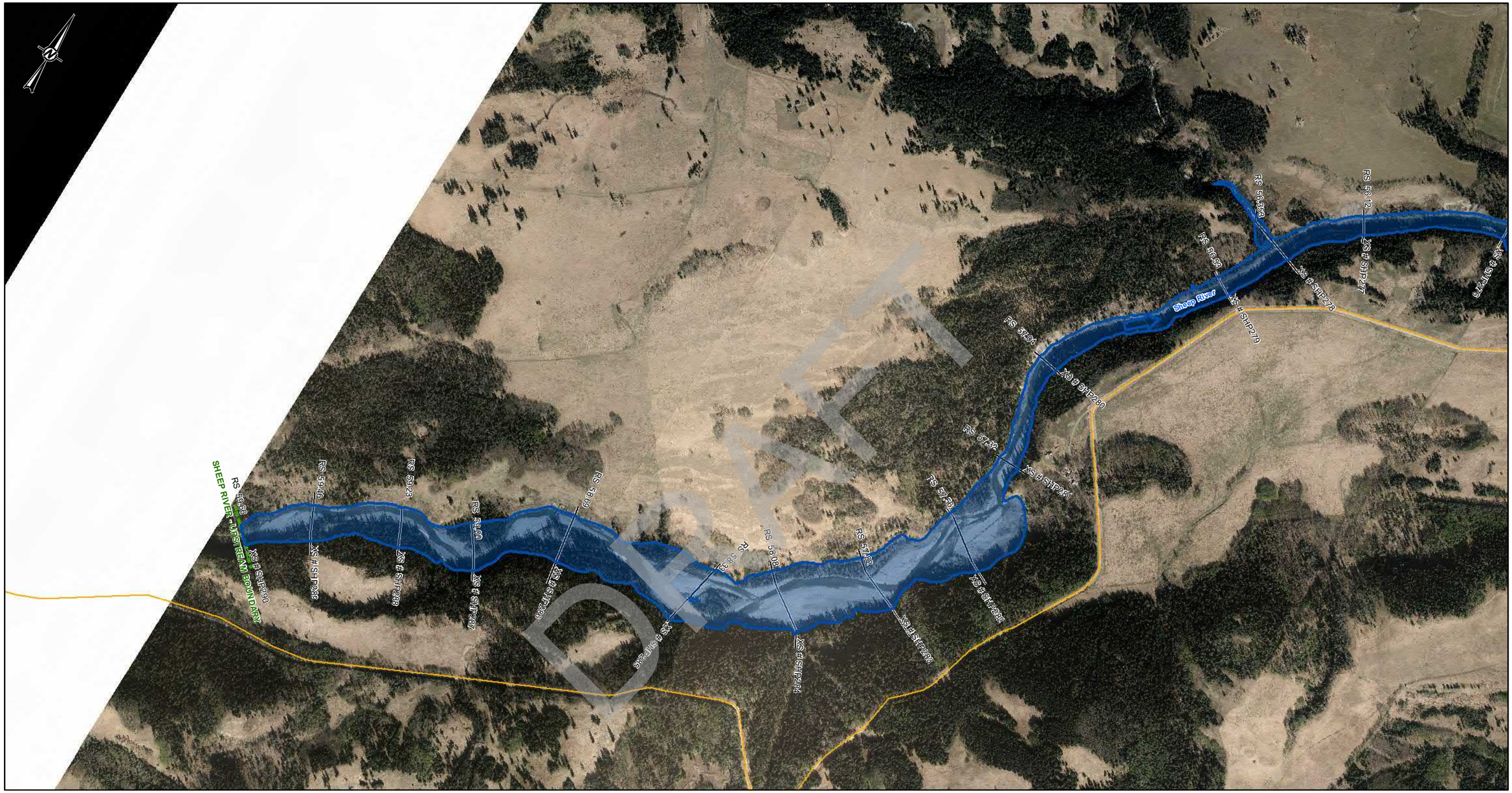
\\cgyfs4\07\projects\WATERPOWER\123456\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX\AEP DELIVERABLES\GIS \DATABASE\FINAL_DELIVERABLES_2022

Classification: Public

500-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

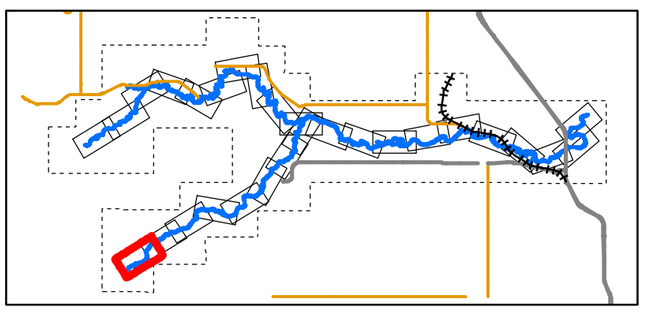
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1500 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 1 of 28

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25mm

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Classification: Public

SHEET 1 ↑

SHEET 3 ↑

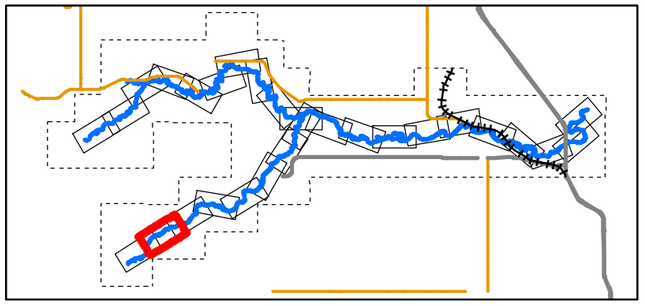
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1500 m³/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 2 of 28

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Classification: Public

SHEET 2 ↑

SHEET 4 ↑

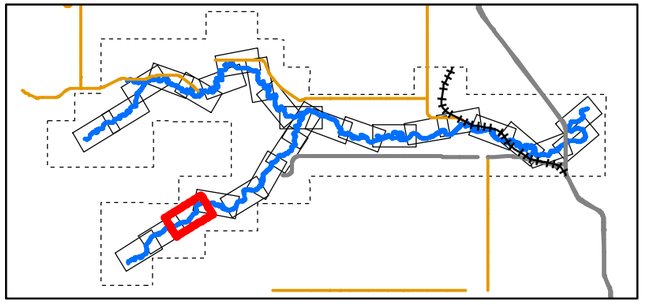
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1500 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 3 of 28

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25mm

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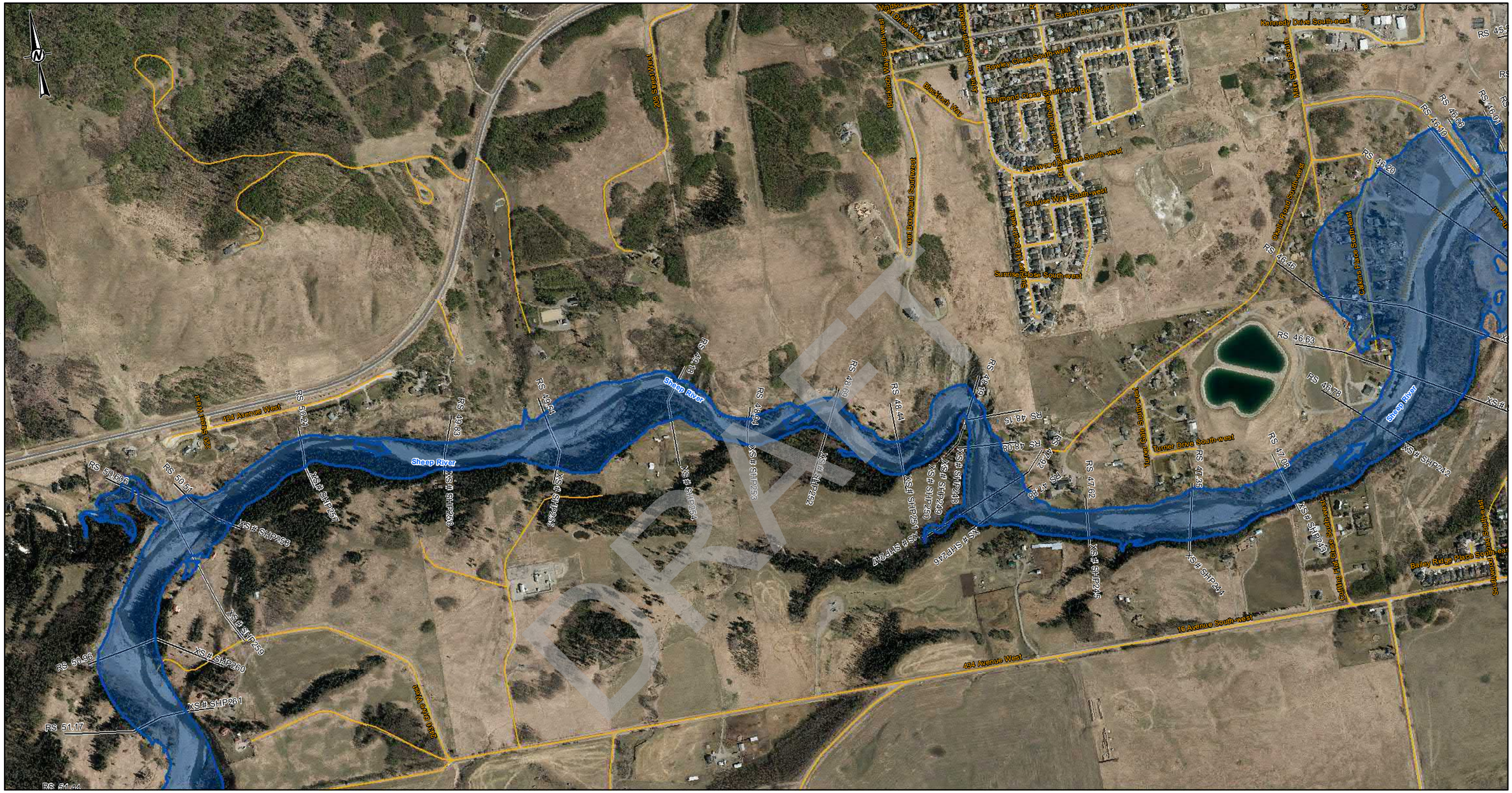
Classification: Public

SHEET 3 ↑

SHEET 5 ↑


Sheep River
XS# SHP263
XS# SHP262
XS# SHP261
XS# SHP260
XS# SHP259
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RS 49.54
RS 49.19
RS 48.83
RS 48.41
RS 48.15
RS 47.97
RS 47.82
RS 47.63
RS 47.08
RS 46.79
RS 46.63
RS 46.46
RS 46.20
RS 46.08
RS 45.91
RS 45.
484 Avenue West
10 Avenue South-west
Turner Drive South-west
Kennedy Drive South-east
Sunset Boulevard West
Rowley Close South-west
Raymond Close South-west
Evelyn Wood Avenue South-west
Sunrise Way South-west
Sunrise Close South-west
Sheila Road South-west
Bailey Ridge Place South-west
Bailey Ridge Crescent South-west
Blackfoot Way
Rangeland Road 30A
Rangeland Road 30
Township Road 10-0
Township Road 10-1
Township Road 10-2
Township Road 10-3
Township Road 10-4
Township Road 10-5
Township Road 10-6
Township Road 10-7
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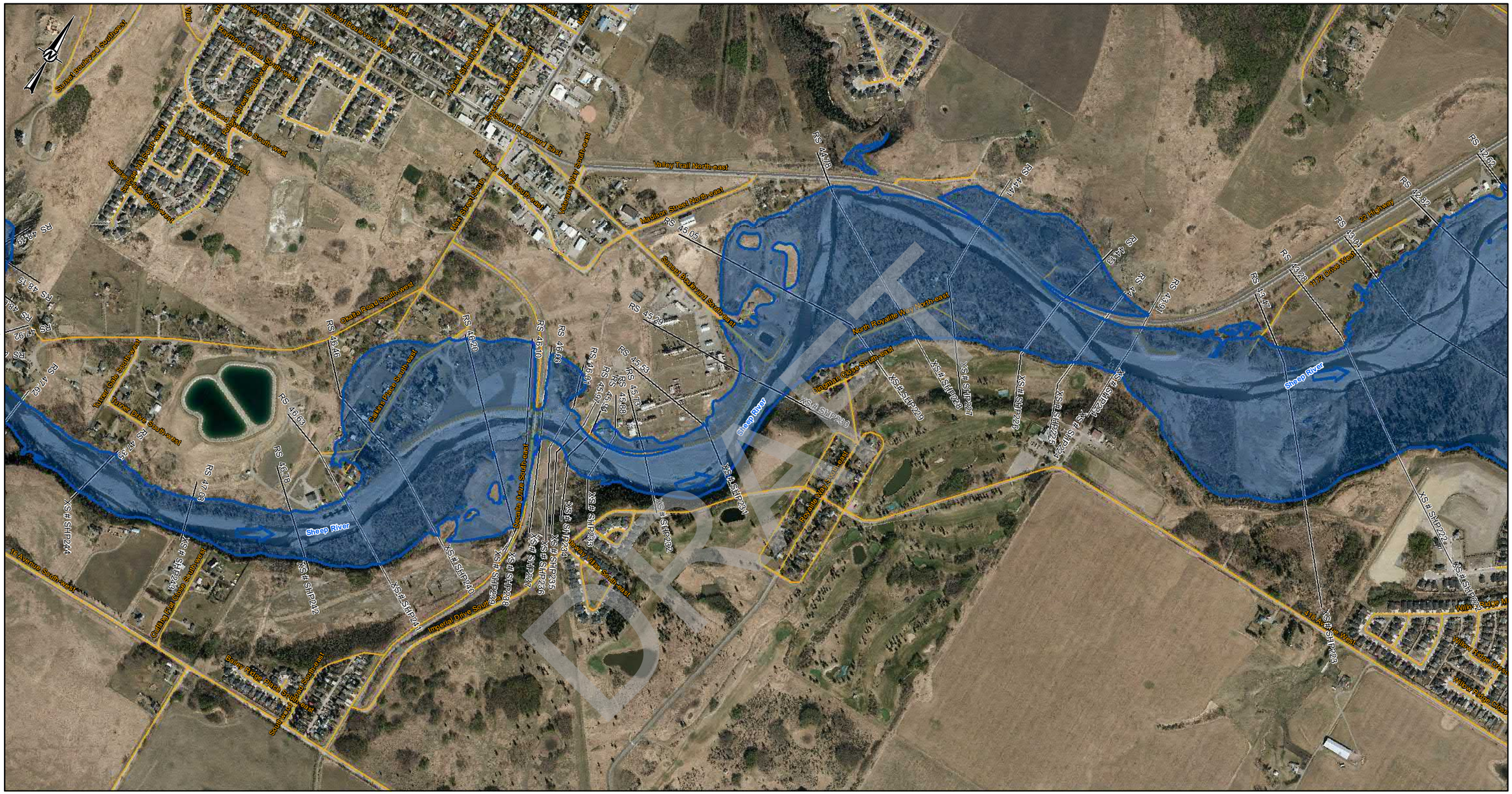
Township Road 10-11
Township Road 10-12
Township Road

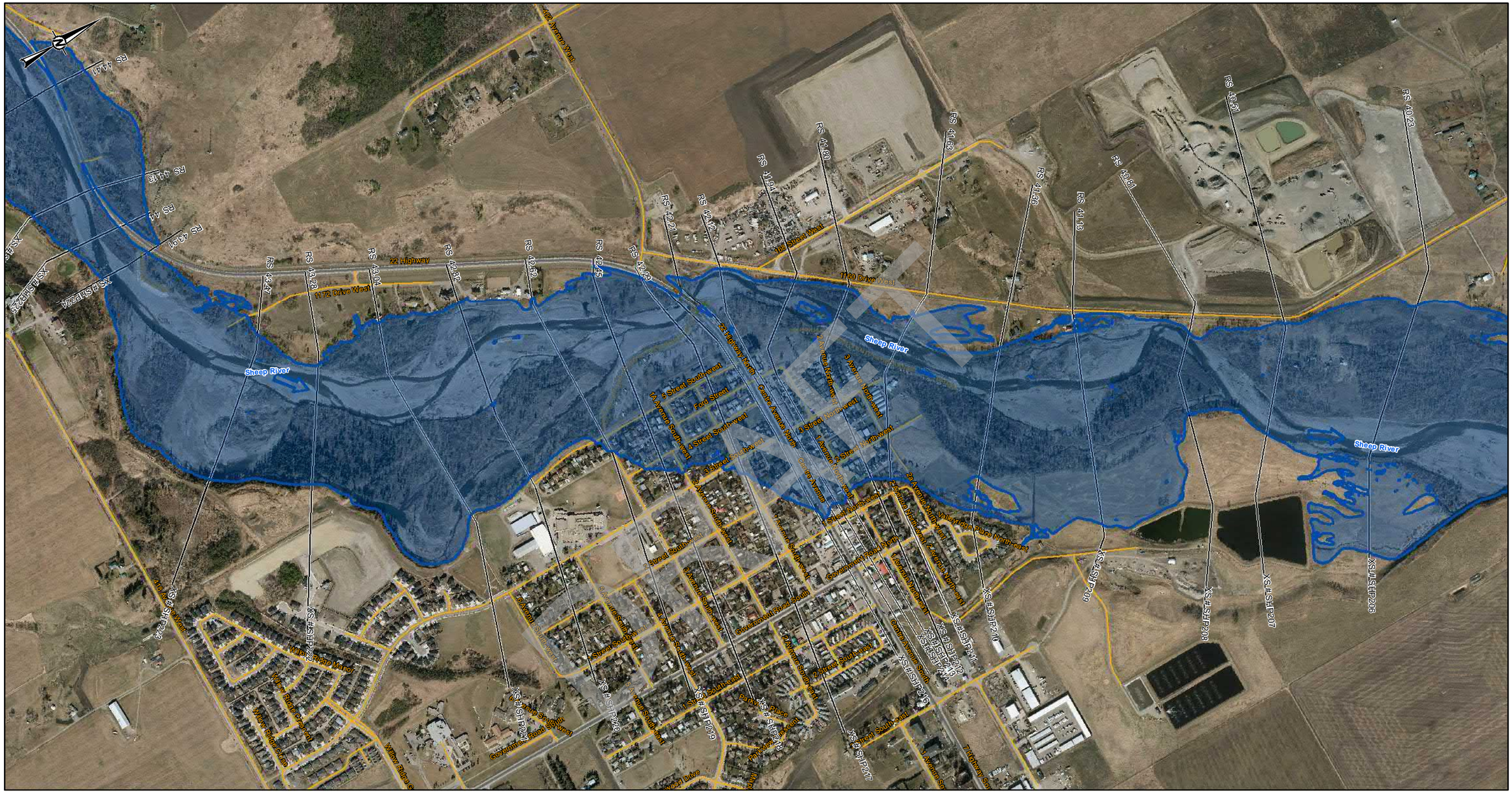
SHEET 6 ↑

SHEET 4 ↑


Sheep River
Valley Trail North-east
Madison Street North-east
Sunset Boulevard South-east
North Royalite Way North-east
Okotoks Drive South-east
Okotoks Road South-west
Imperial Drive South-east
Imperial Drive South-west
Cedarbrae Drive South-east
Royalite Way South-east
Cedarbrae Way South-east
Cedarbrae Way South-west
Cedarbrae Place South-west
Cedarbrae Crescent South-west
Cedarbrae Close South-west
Cedarbrae Way South-west
Sunset Boulevard South-west
Sunset Boulevard West
Sunset Drive South-west
Sunset Way South-west
Sunset Crescent South-west
Sunset Close South-west
Sunset Place South-west
Sunset Way South-west
Hazel Gate South-west
Hazel Drive South-west
Oakes Place South-west
Bailey Ridge Place South-west
Bailey Ridge Drive South-west
Bailey Ridge Close South-west
Bailey Ridge Crescent South-west
Bailey Ridge Way South-west
Bailey Ridge Gate

SHEET 5 →

SHEET 7 →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RS 44.41
RS 44.13
RS 43.97
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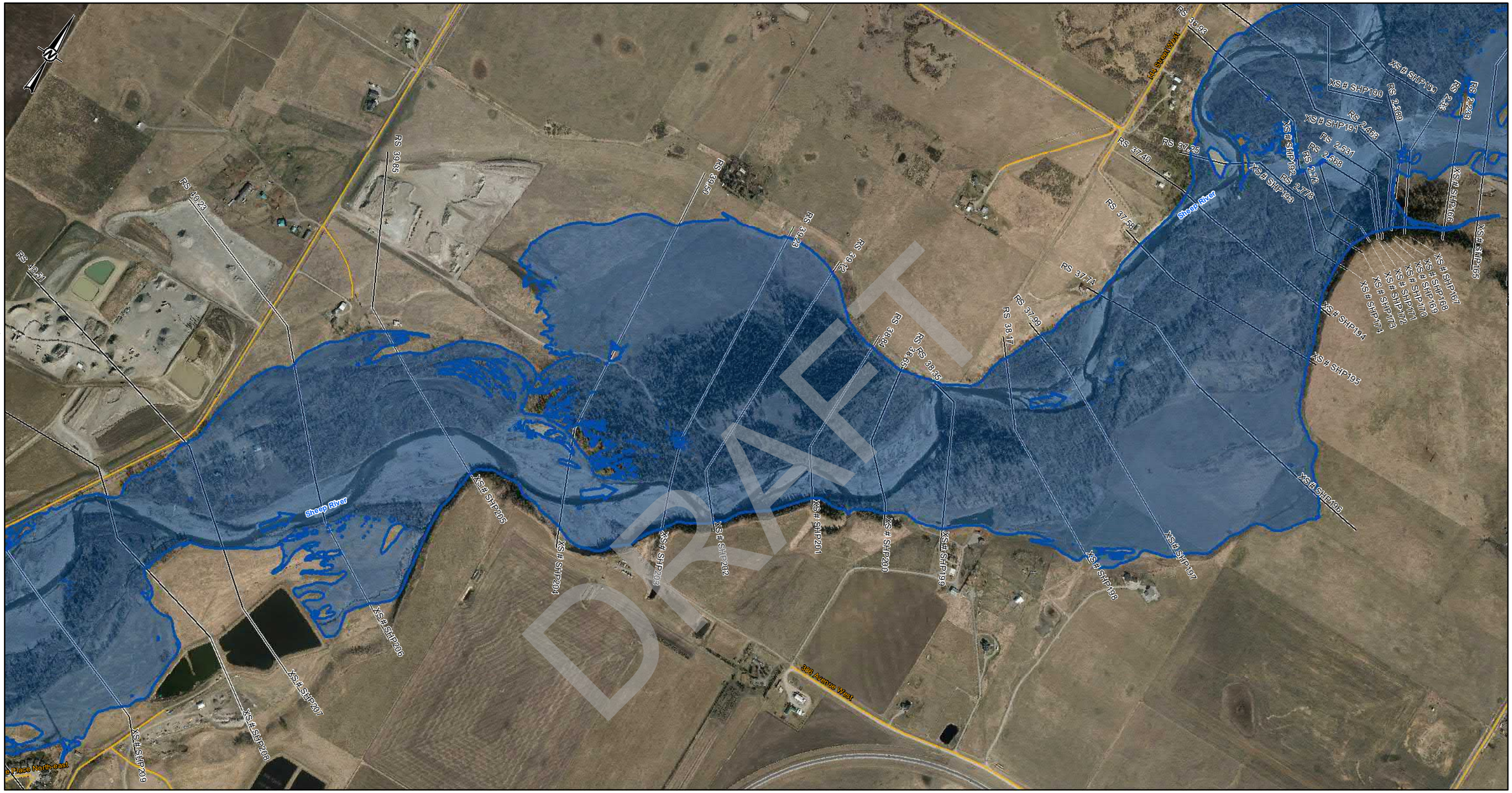
RS 43.47
RS 43.28
RS 43.04
RS 42.82
RS 42.62
RS 42.45
RS 42.29
RS 42.21
RS 42.12
RS 41.94
RS 41.80
RS 41.69
RS 41.36
RS 41.18
RS 40.91
RS 40.51
RS 40.23
22 Highway
1172 Drive West
1180 Drive West
182 Street West
Sheep River
Willow Ridge Crescent
Willow Ridge Close
Willow Ridge Road
Willow Ridge Drive
Willow Ridge Green
Willow Ridge Mews
Willow Ridge Vista
Willow Ridge Way
Willow Ridge Rise
Willow Ridge Point
Willow Ridge Heights
Willow Ridge Landing
Willow Ridge Manor
Willow Ridge Meadow
Willow Ridge Pasture
Willow Ridge Pathway
Willow Ridge Terrace
Willow Ridge Trail
Willow Ridge Walk
Willow Ridge Wharf
Willow Ridge Wood
Willow Ridge Woods
Willow Ridge Wynd
Willow Ridge Yard
Willow Ridge Zone
Willow Ridge Alley
Willow Ridge Avenue
Willow Ridge Boulevard
Willow Ridge Circle
Willow Ridge Court

SHEET 6 ↑

SHEET 8 ↑

DRAFT



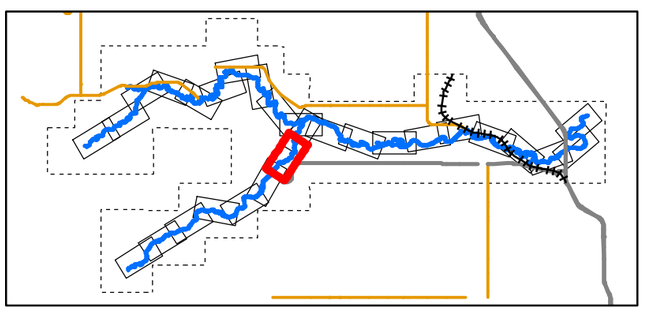
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1500 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 7 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
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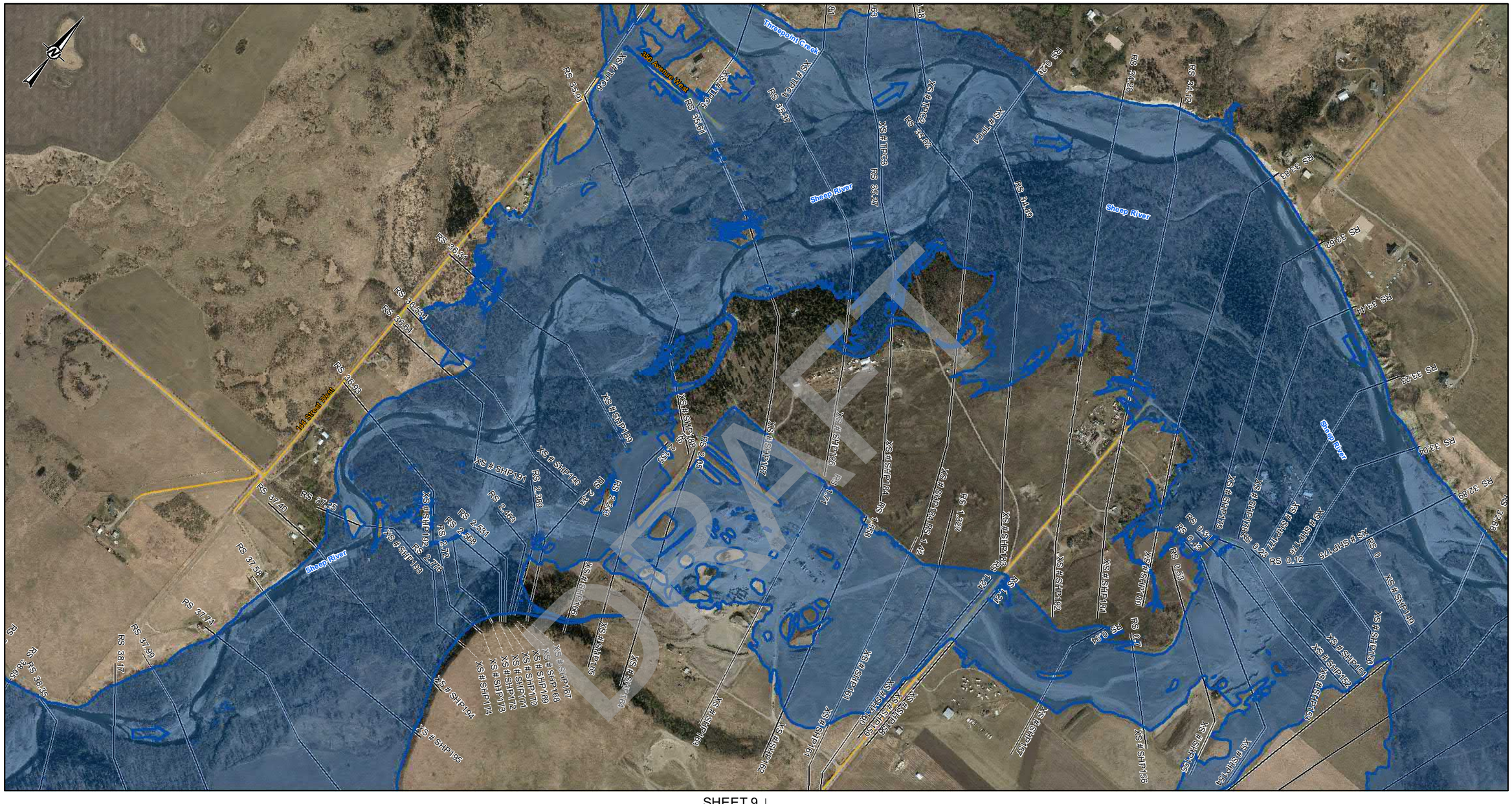
Classification: Public

SHEET 27 ↑

SHEET 7 ↑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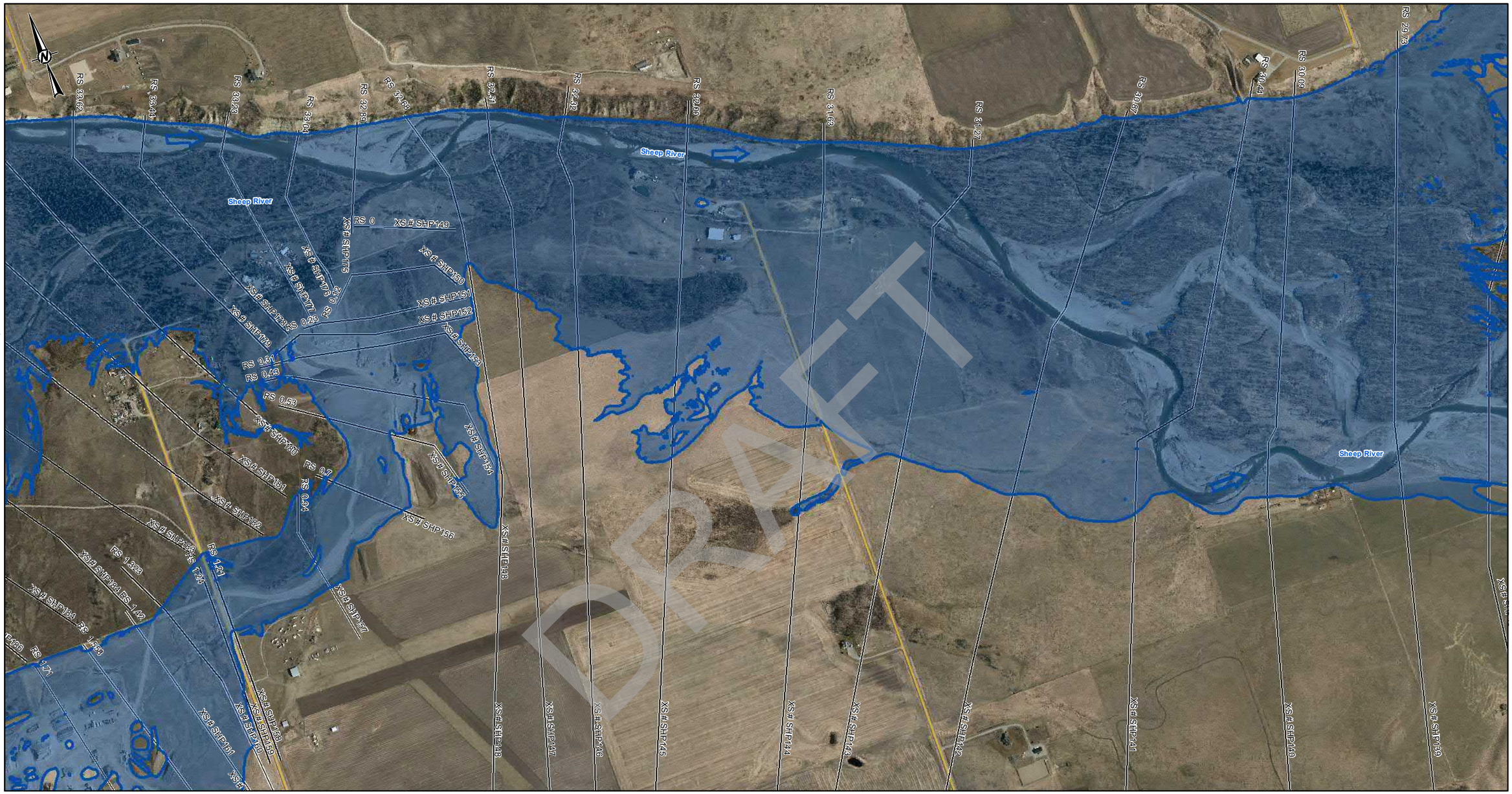
Sheep River
Sheep River
Sheep River

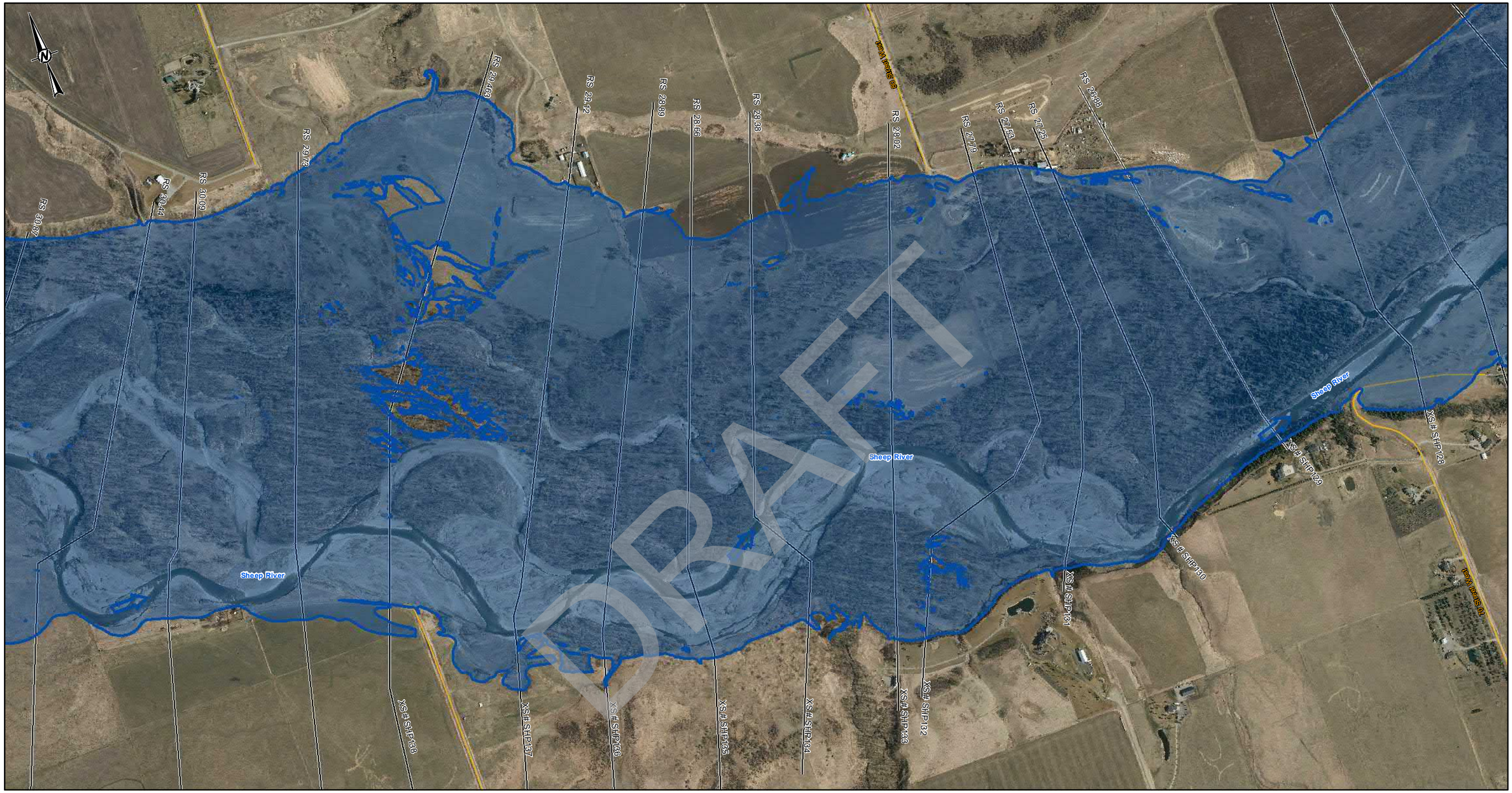
SHEET 8 ↑

SHEET 10 ↑



SHEET 9 ↑

SHEET 11 ↑



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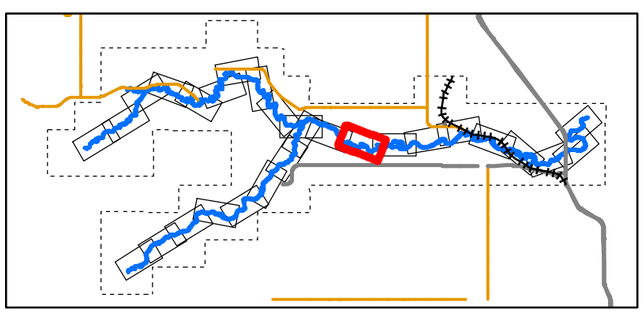
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2180 m^3/s



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1:10,000 METRES

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TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 10 of 28

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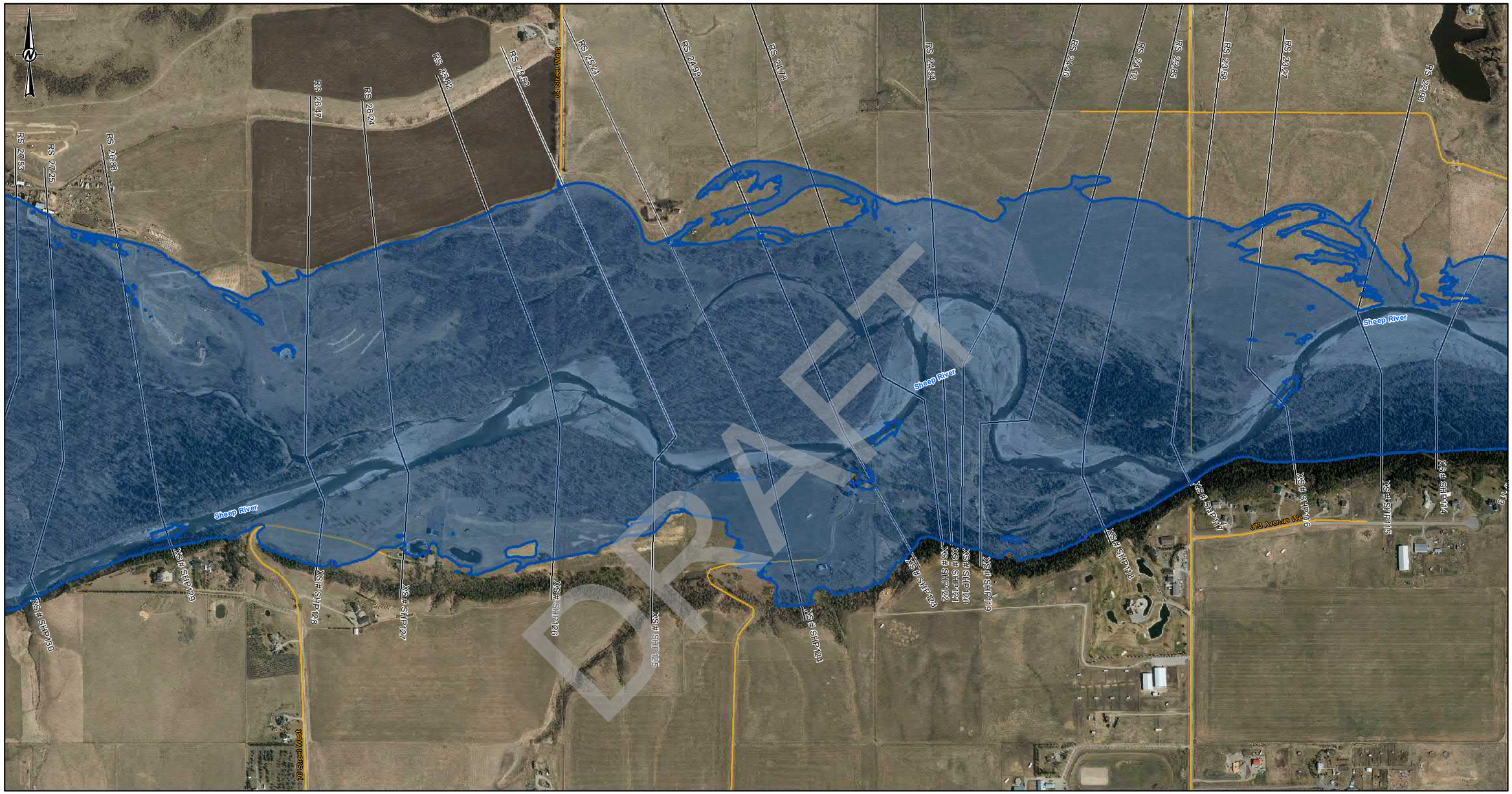
0 25mm

\\cgyfiles0.hyroads.WATERPOWER\12456\SPECIALIST_APPS\SEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 10 ↑

SHEET 12 ↑



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- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
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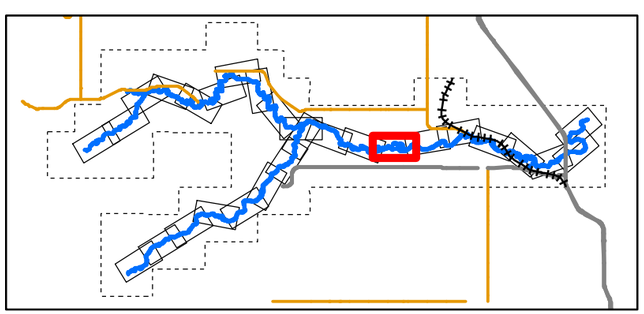
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2180 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 11 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

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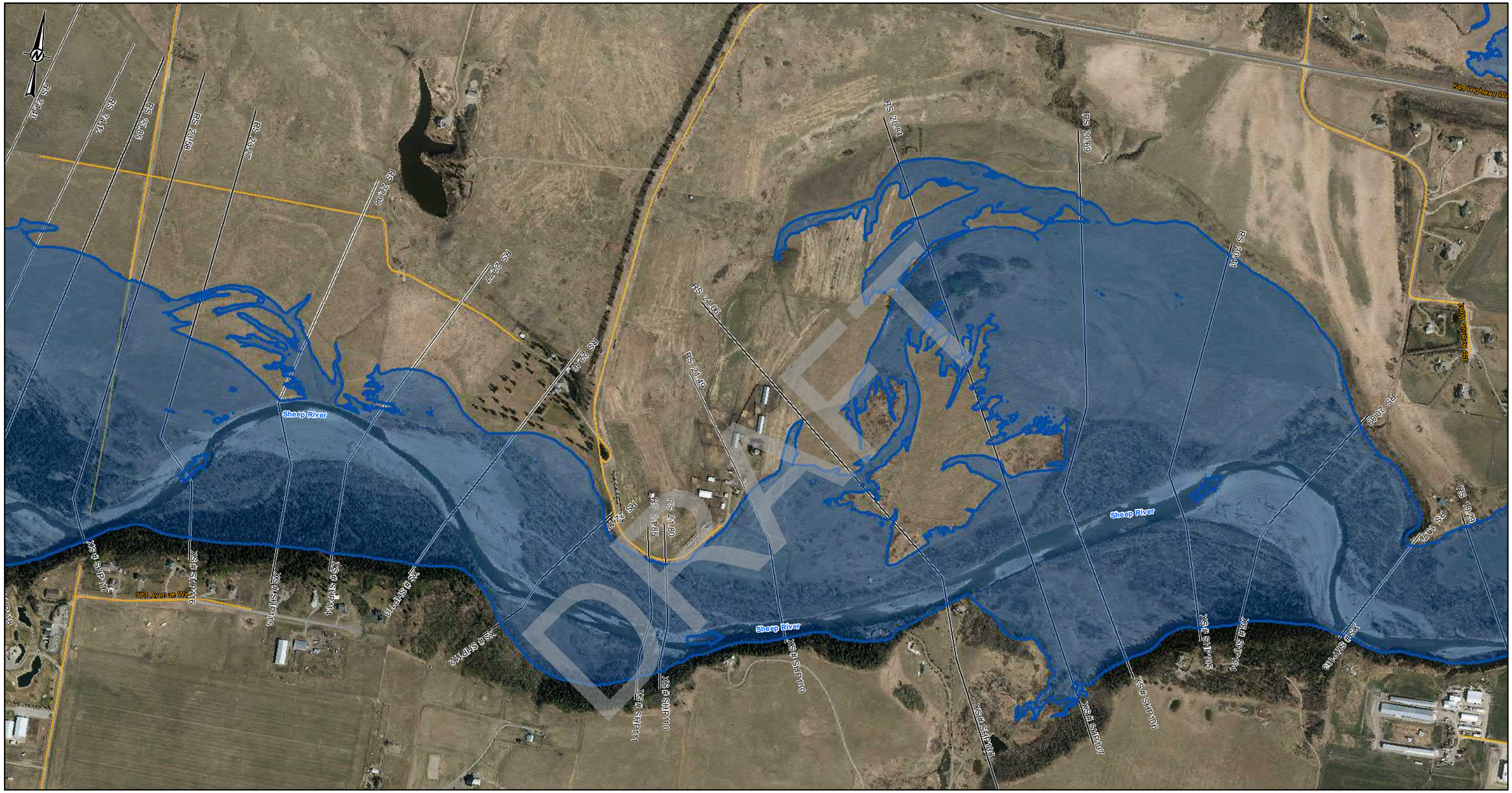
Classification: Public

SHEET 11 ↑

SHEET 13 ↑



DRAFT

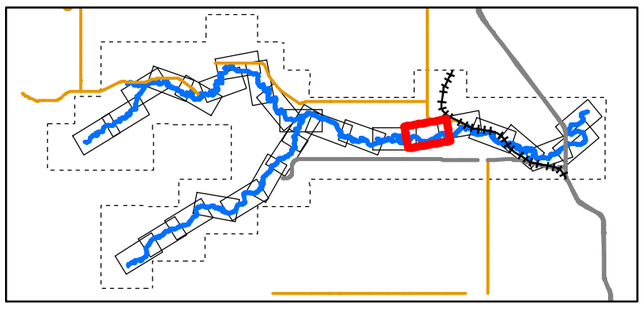
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2180 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 12 of 28

Classification: Public

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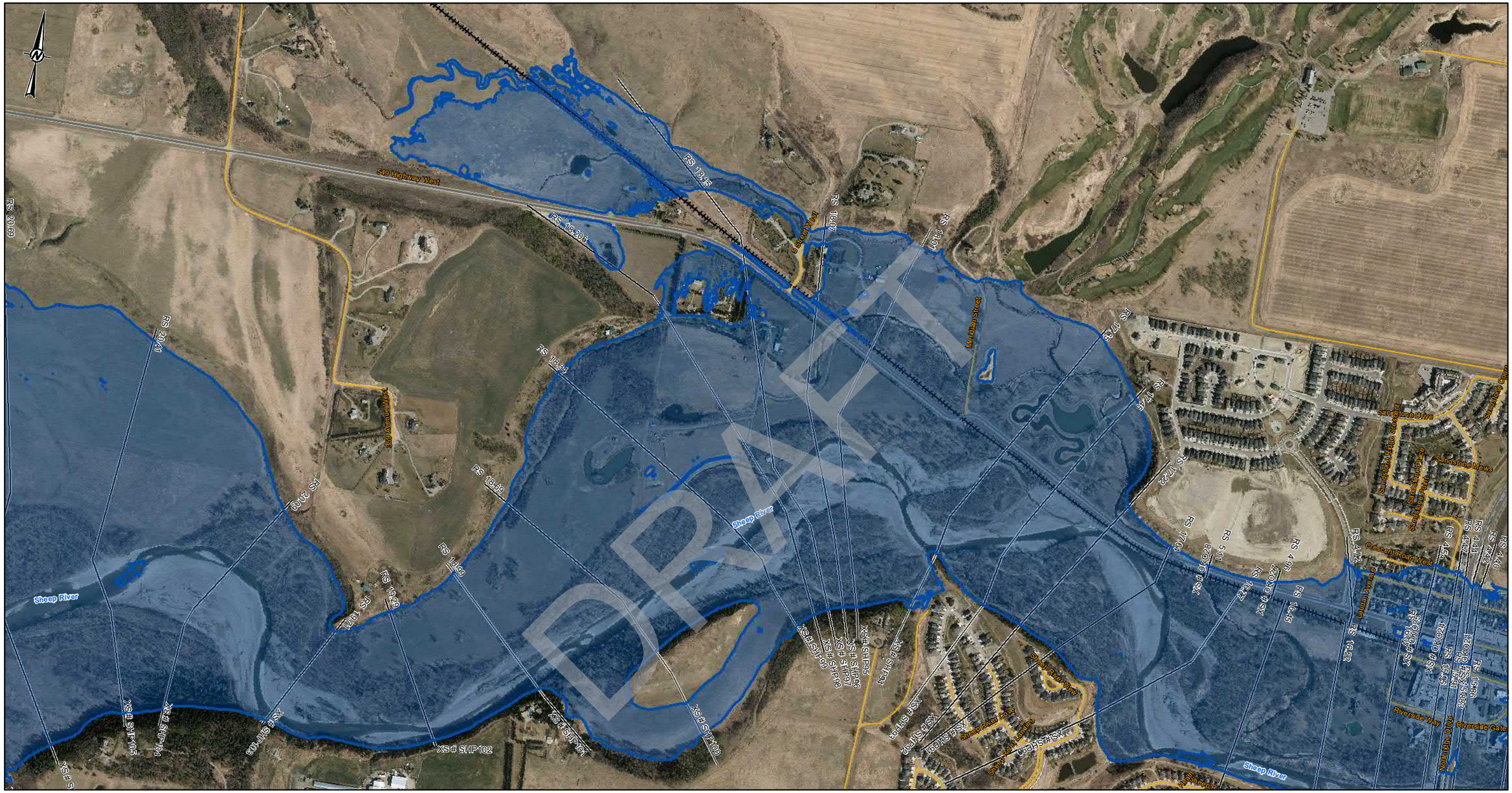
SHEET 12 ↑

SHEET 14 ↑



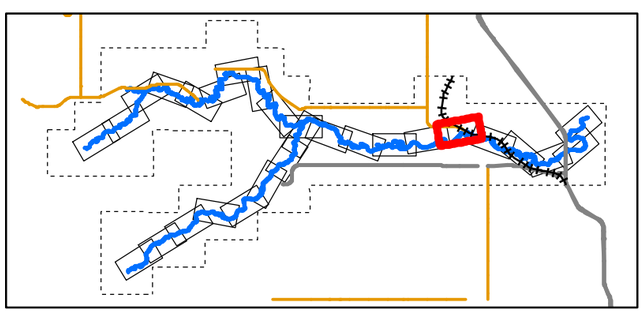
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2180 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 13 of 28

DRAFT

Classification: Public

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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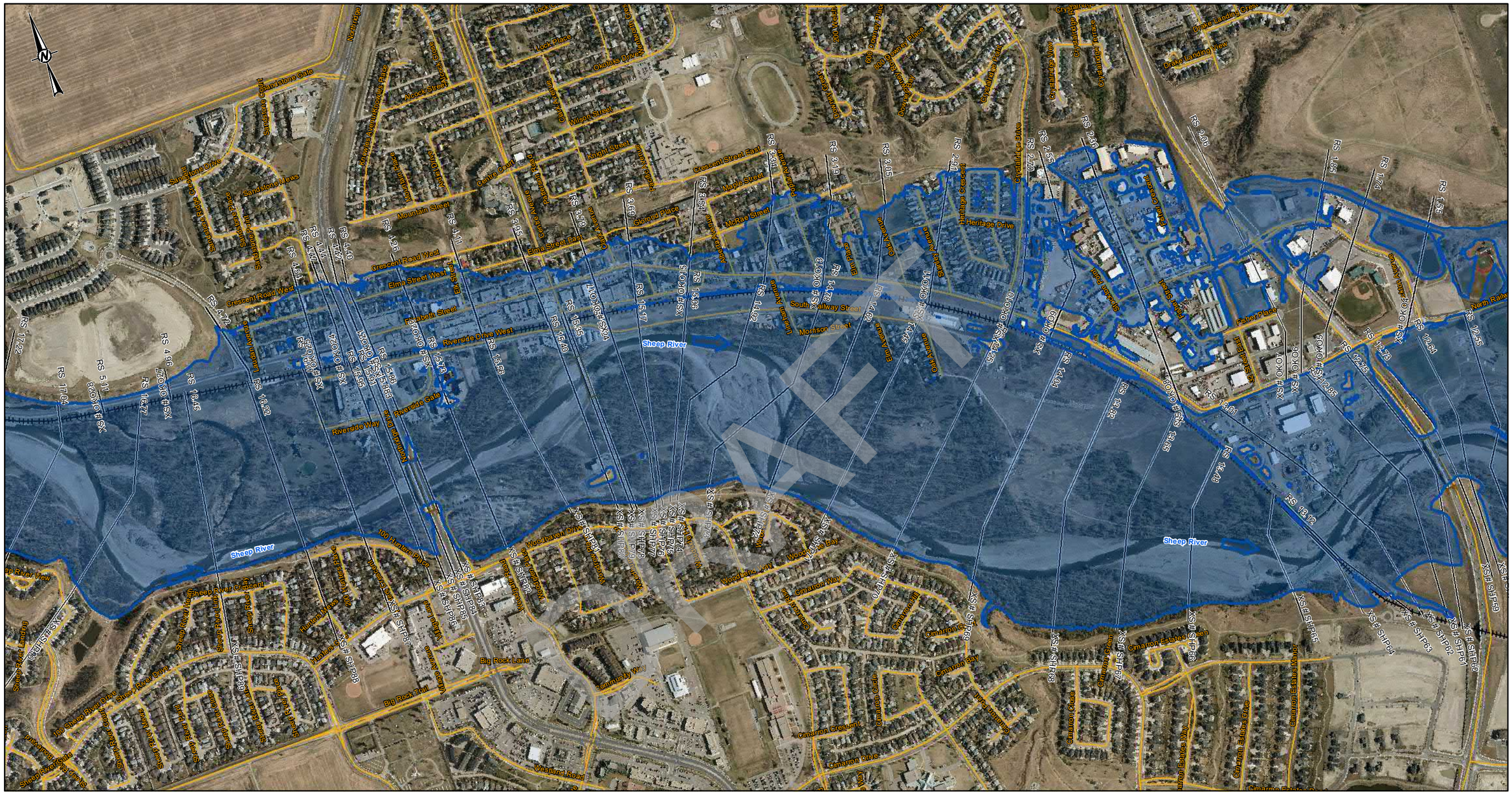
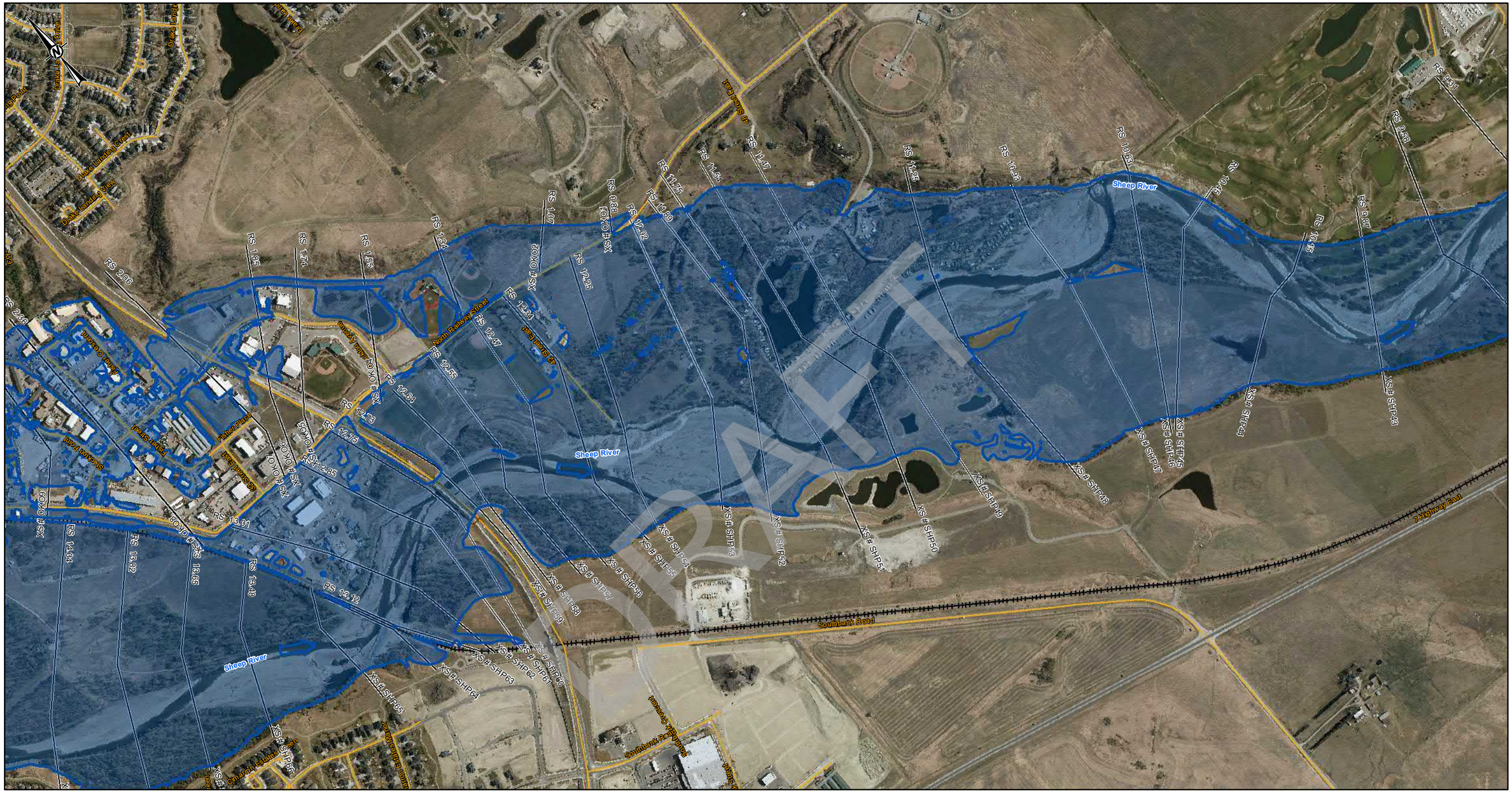
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Sheep River
Sheep River
Elma Street West
Crescent Road West
Riverside Drive West
Mountain Street
Crescent Street East
Elma Street East
Maple Street
McRae Street
Gleneagle Place
Knight Street
Mesa Street
Alcock Street
Centre Court
Centre Street
Oak Avenue
Pine Avenue
Andrew Avenue
Poplar Avenue
Aspen Avenue
Elm Avenue
Linden Avenue
Lisbon Avenue
Sandstone Drive
Sandstone Close
Sandstone Mews
Sandstone Gate
Sandstone Landing
Sandstone Manor Gate
Sandstone Manor Way
Sandstone Manor Place
Sandstone Manor Crescent
Sandstone Manor Rise
Sandstone Manor Heights
Sandstone Manor Terrace
Sandstone Manor Boulevard
Sandstone Manor Parkway
Sandstone Manor Estates
Sandstone Manor Close
Sandstone Manor Drive
Sandstone Manor Mews
Sandstone Manor Gardens
Sandstone Manor Green
Sandstone Manor Hill
Sandstone Manor Point
Sandstone Manor View
Sandstone Manor Way

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
North Railway Street
Fisher Street
Fisher Place
Fisher Green
Fisher Lane
Cherish Estates Park
Southbank Pathways
Southbank Pathways
Deer Run Park
Deer Landing Green
Deer Landing Place
Deer Landing Drive
Deer Landing Way
RS 2.06
RS 1.96
RS 1.74
RS 1.56
RS 1.34
RS 1.07
RS 0.88
RS 14.04
RS 13.92
RS 13.66
RS 13.48
RS 13.12
RS 13.01
RS 12.85
RS 12.73
RS 12.64
RS 12.56
RS 12.47
RS 12.41
RS 12.29
RS 12.02
RS 11.89
RS 11.75
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60YOYO # SX
60YOYO # SX

SHEET 15 ↑

SHEET 17 ↑

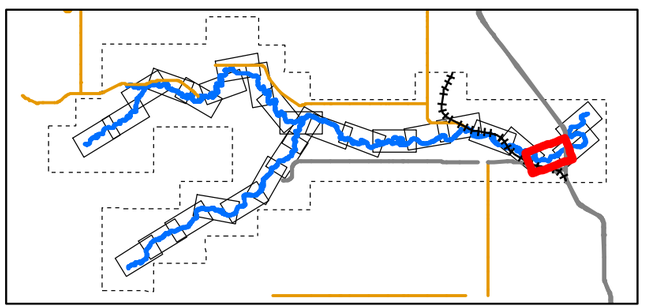
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2290 m^3/s



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CLIENT
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Alberta Government

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HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 16 of 28

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

25mm

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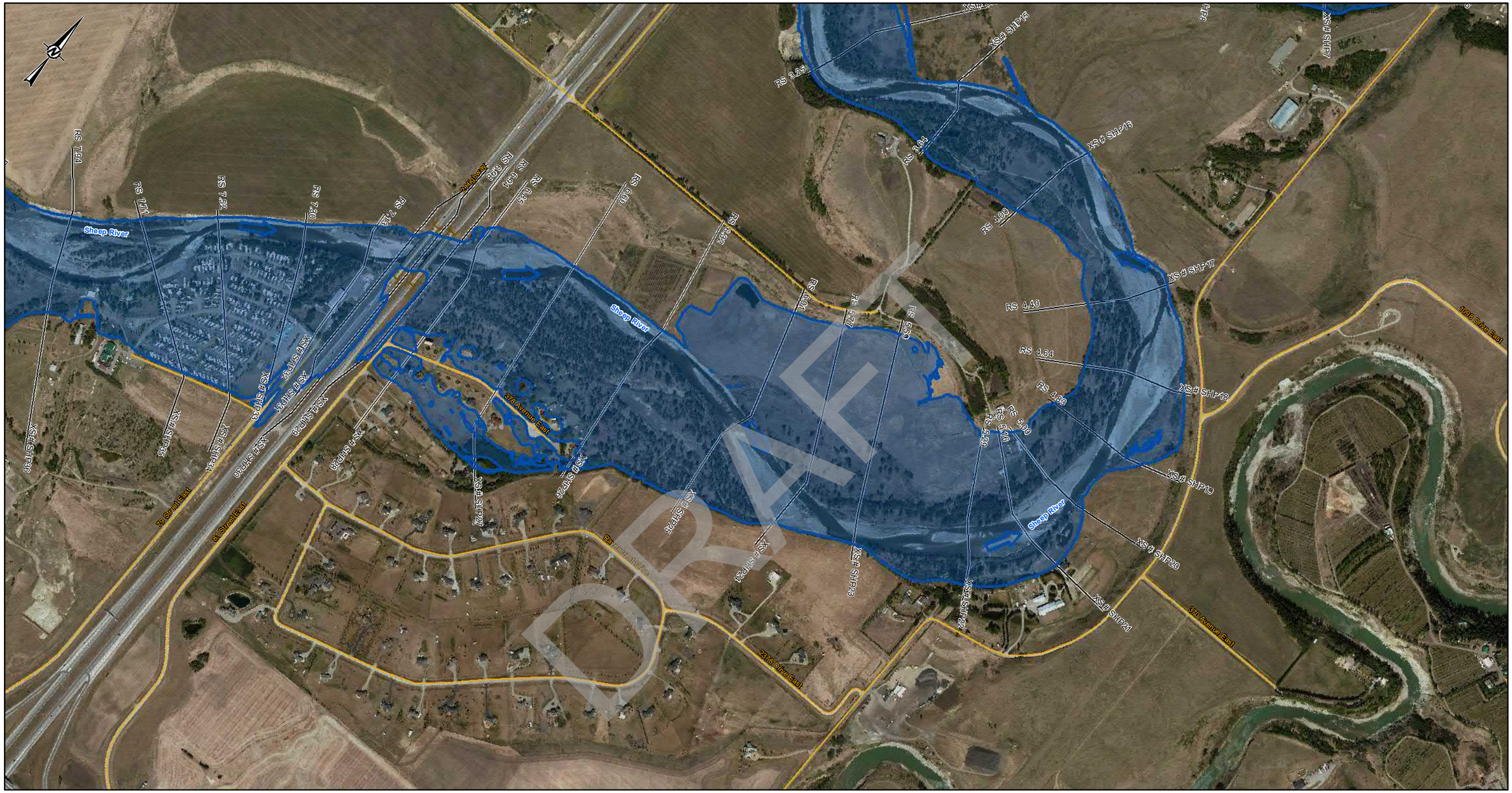
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



LEGEND

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- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
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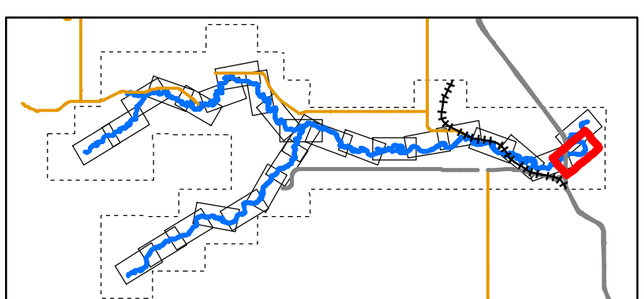

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TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 17 of 28

DRAFT

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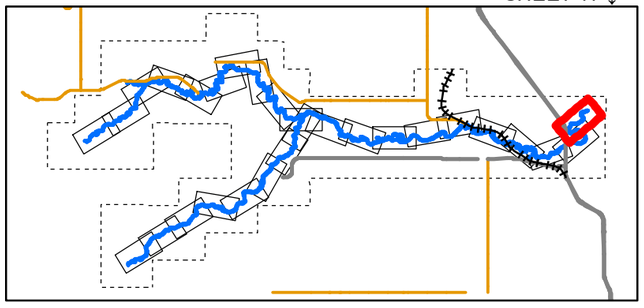
500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2290 m^3/s

SHEET 17 ↓



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 18 of 28

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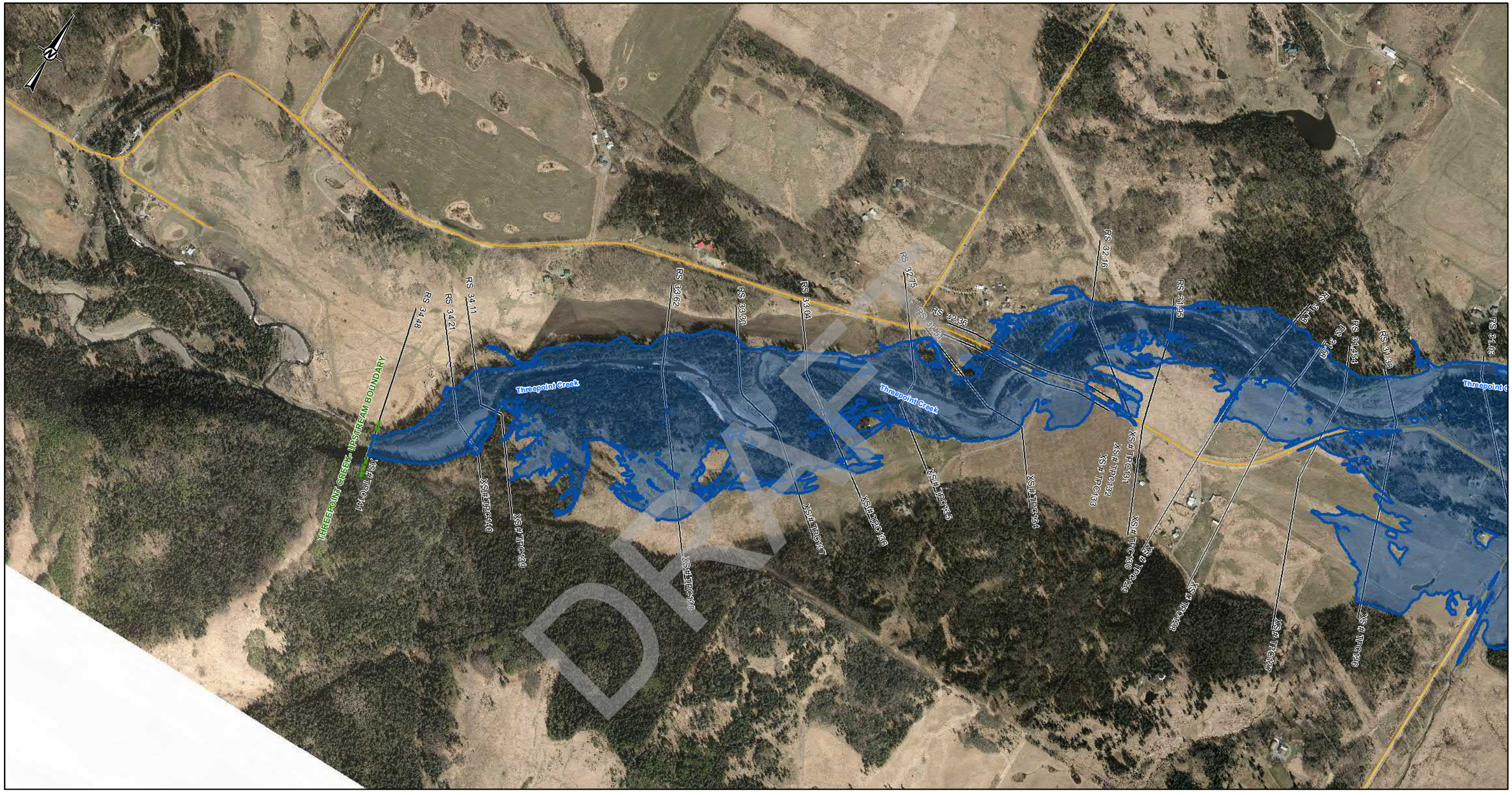
Classification: Public



DRAFT

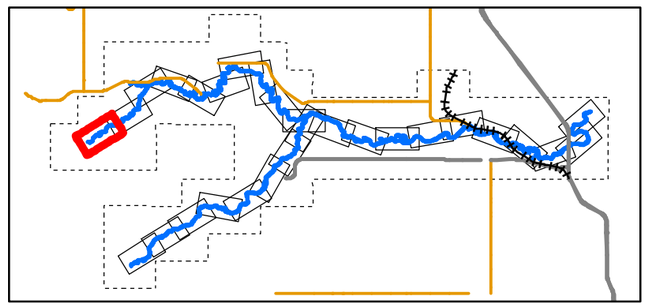
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 436 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 19 of 28

SHEET 20 ↑

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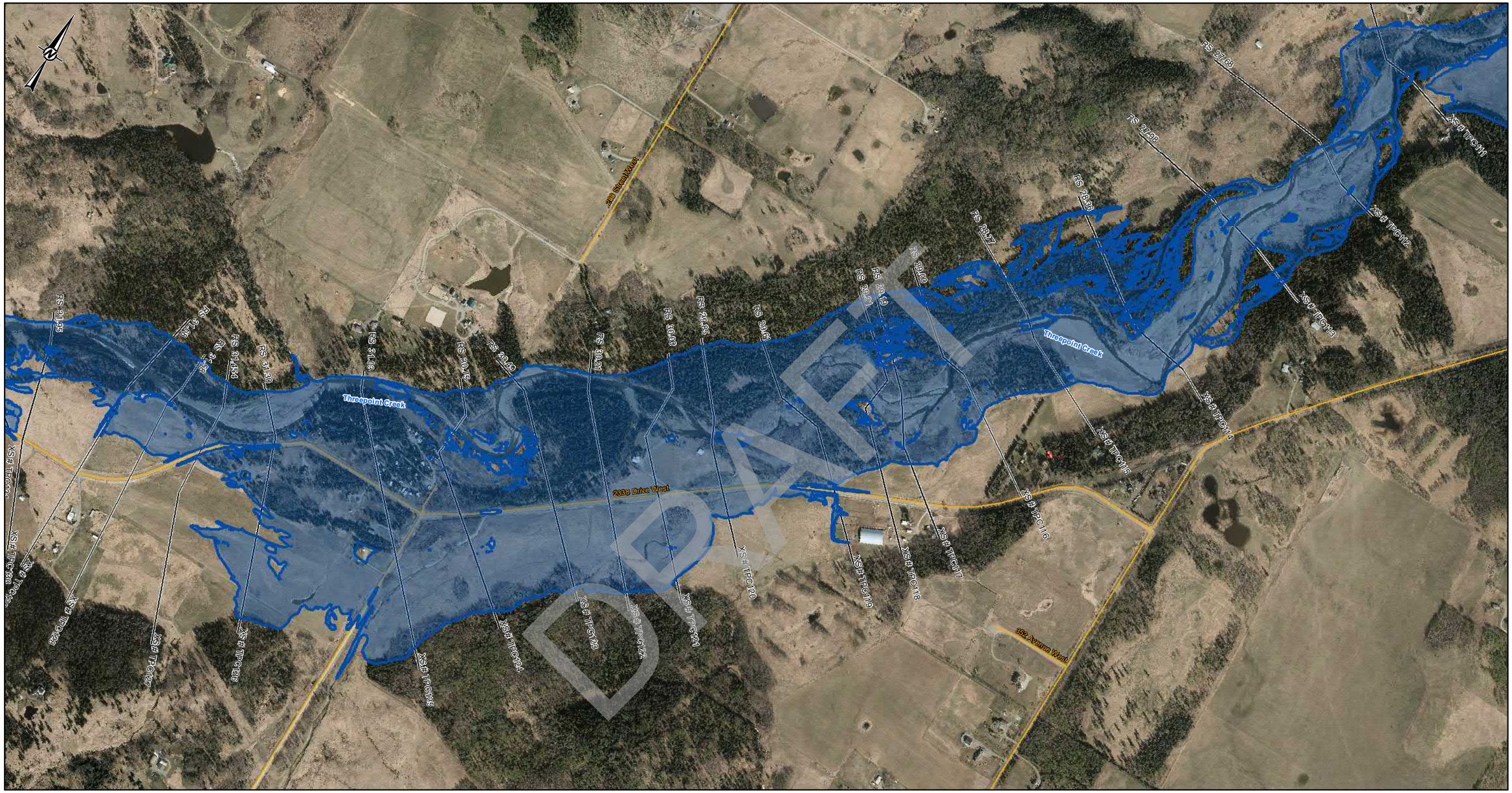
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



DRAFT

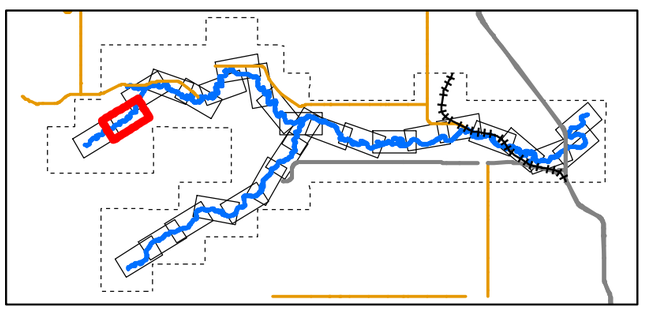
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 436 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 20 of 28

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

0 25mm

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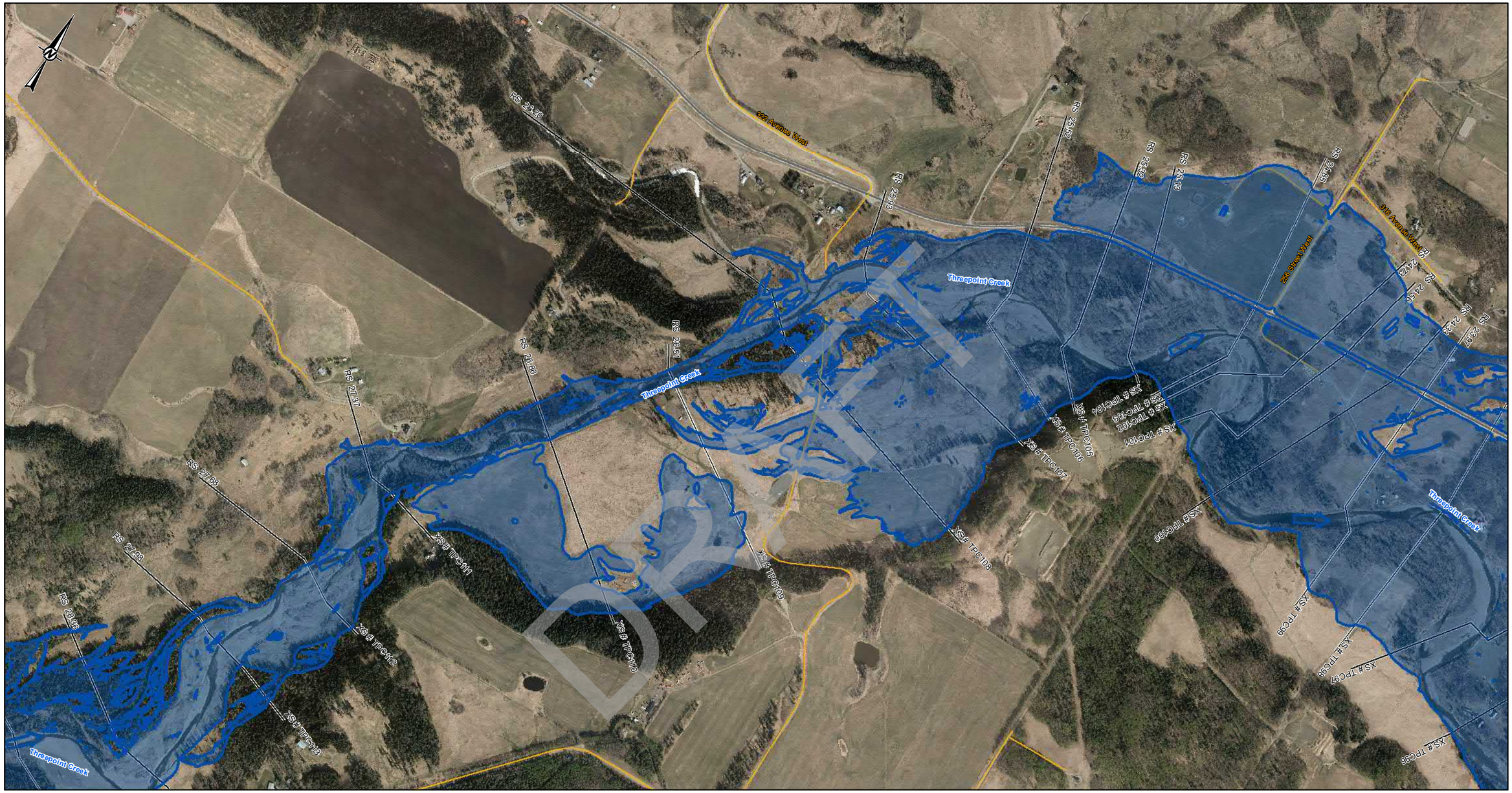
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



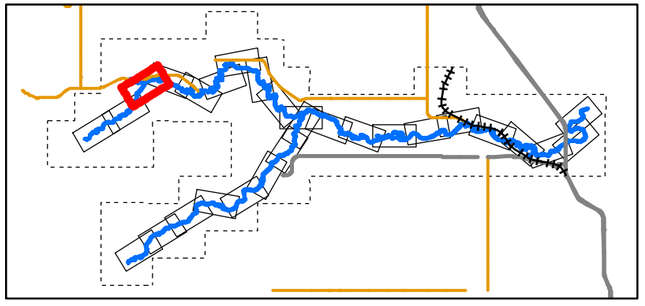
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 436 m^3/s
THREEPOINT CREEK= 914 m^3/s (DS- RS 25.93)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 21 of 28

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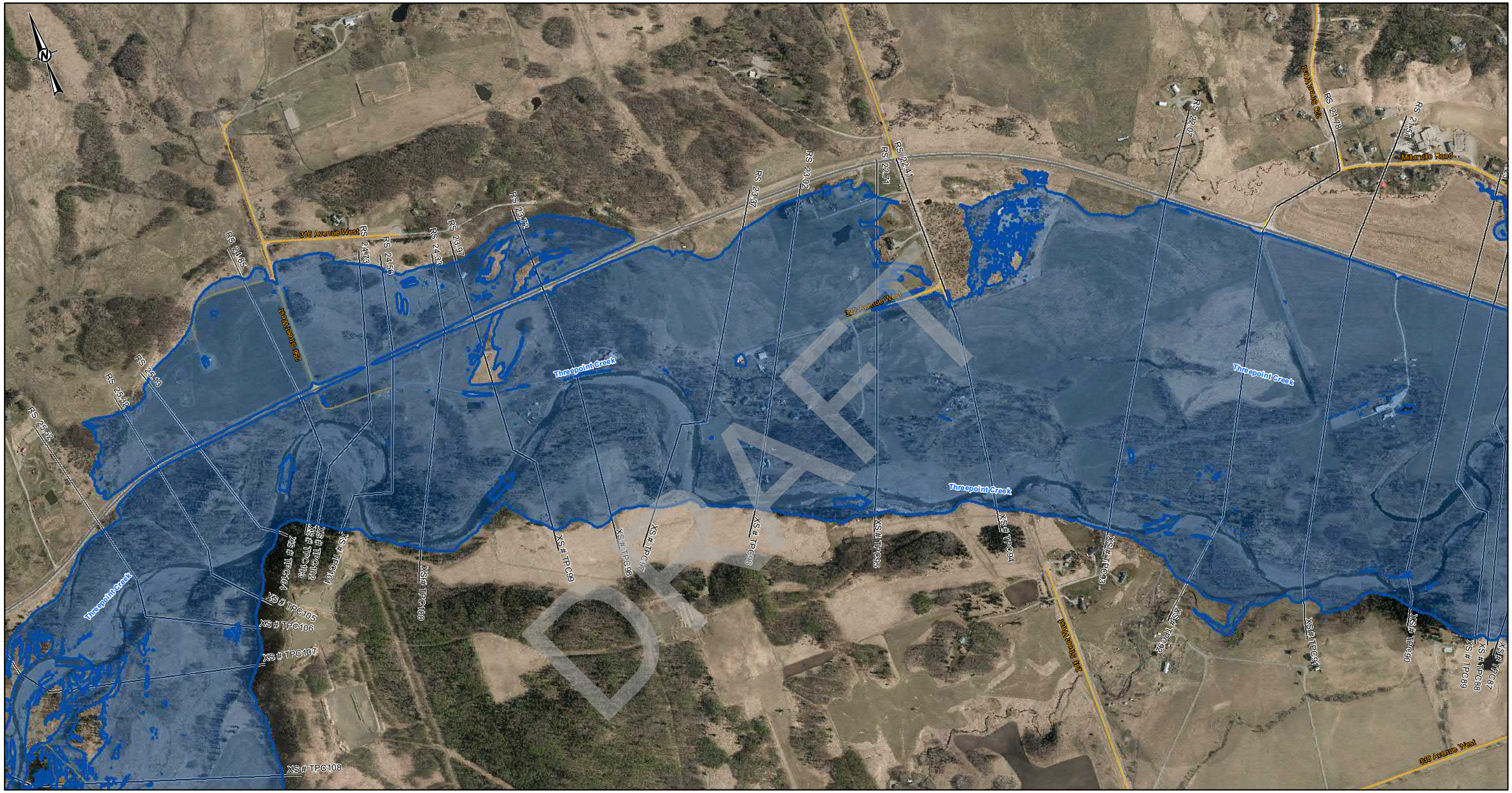
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



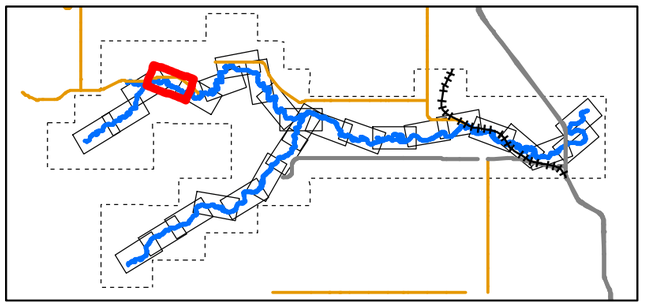
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 914 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 22 of 28

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

25mm

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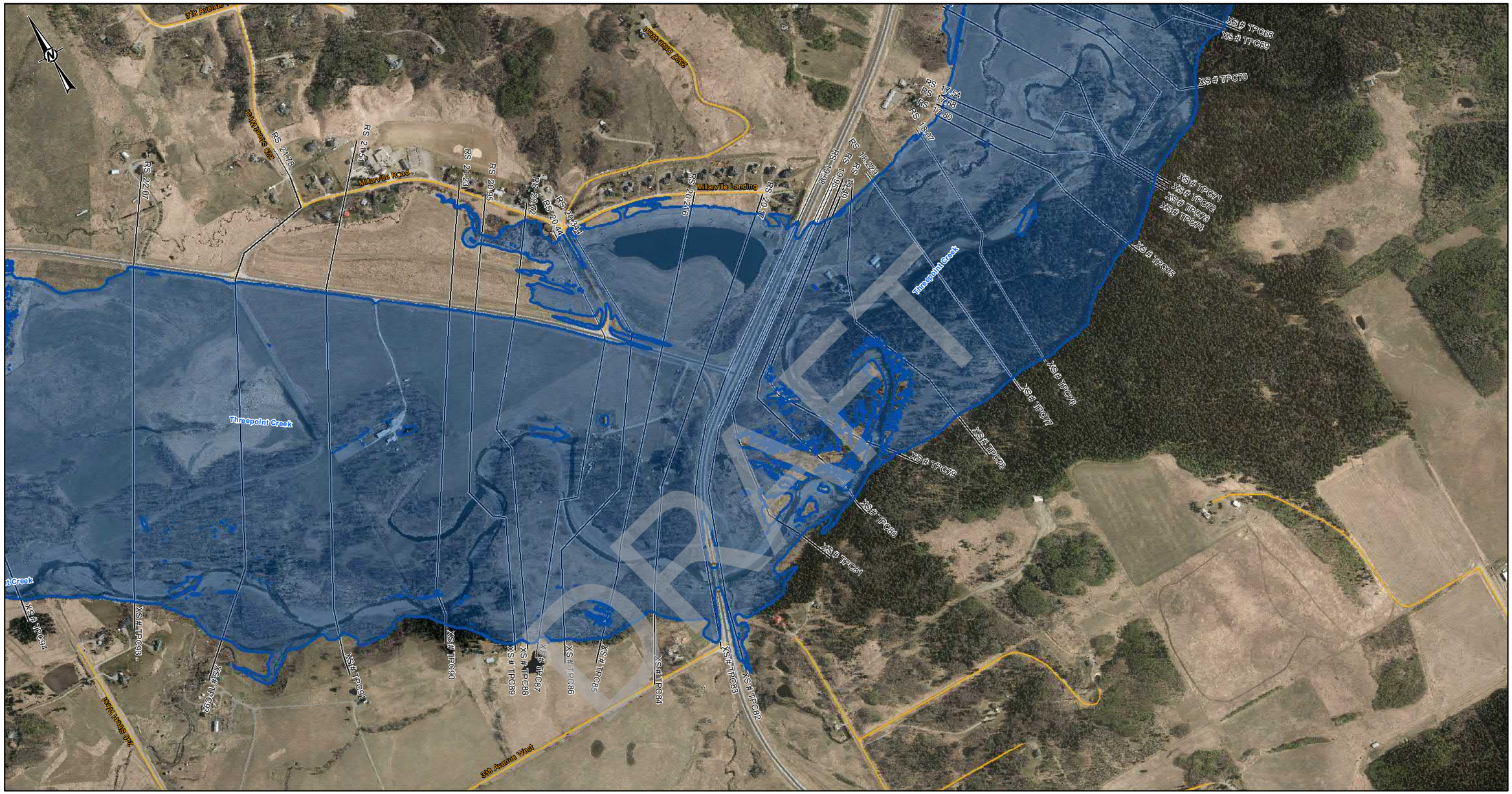
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



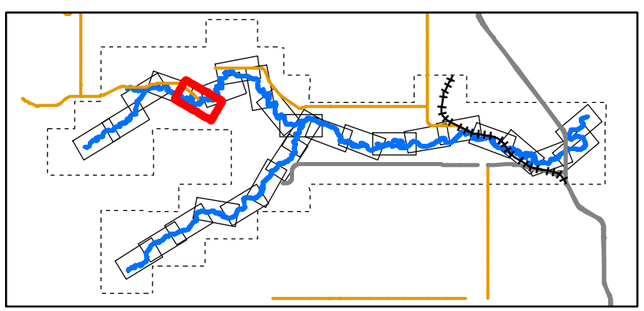
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 914 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 23 of 28

DRAFT

C:\Projects\WATERPOWER\12466\GIS\CAD\ARCGIS\ARCMAP\MXD\SHEEP_RIVER_FHS_2021\OUTBOX\AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
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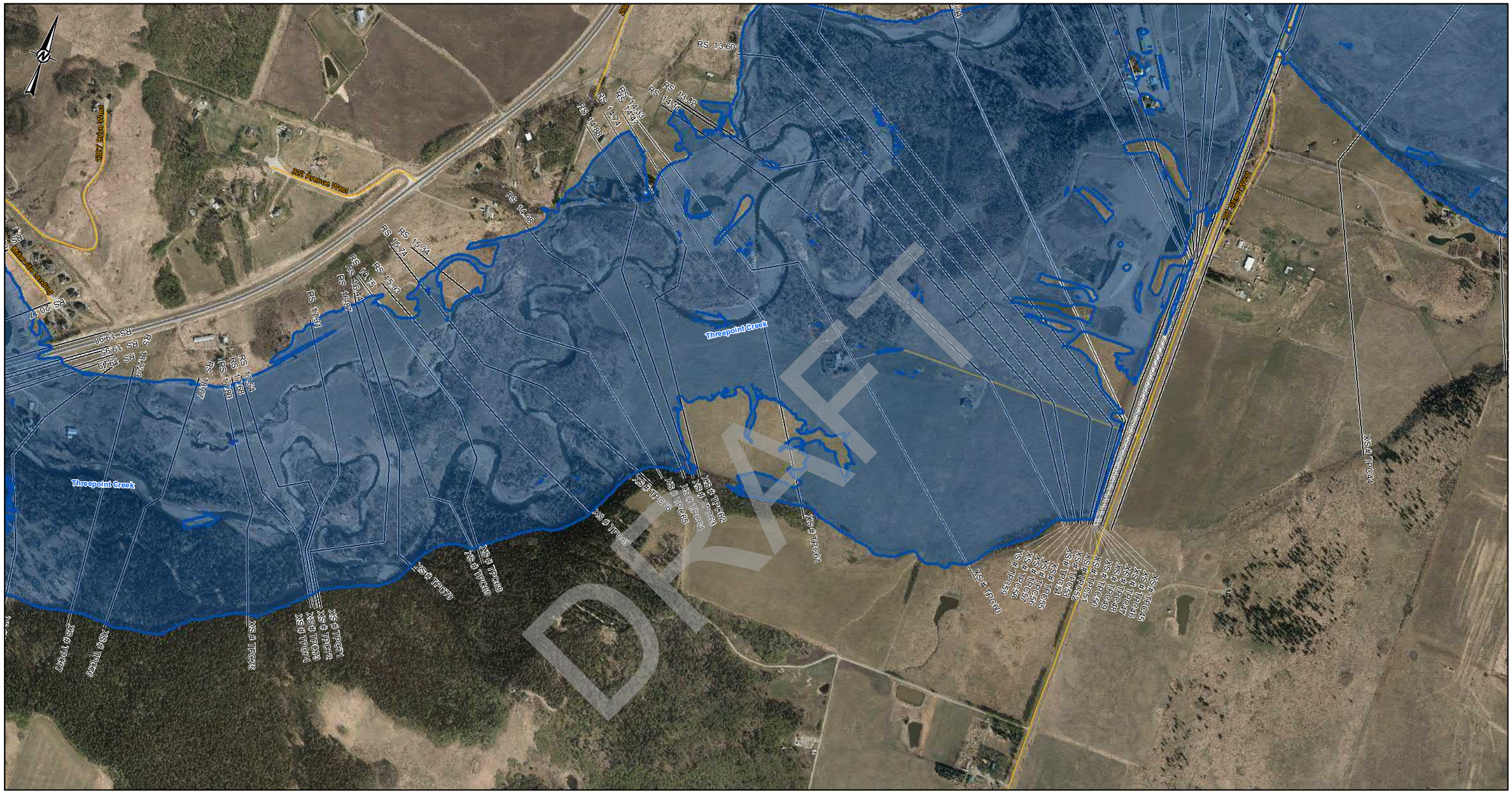
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

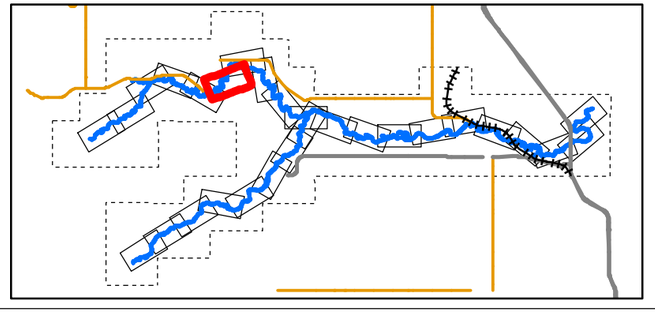
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 914 m^3/s
THREEPOINT CREEK= 1140 m^3 (DS- RS 14.98)



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 24 of 28

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

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Classification: Public

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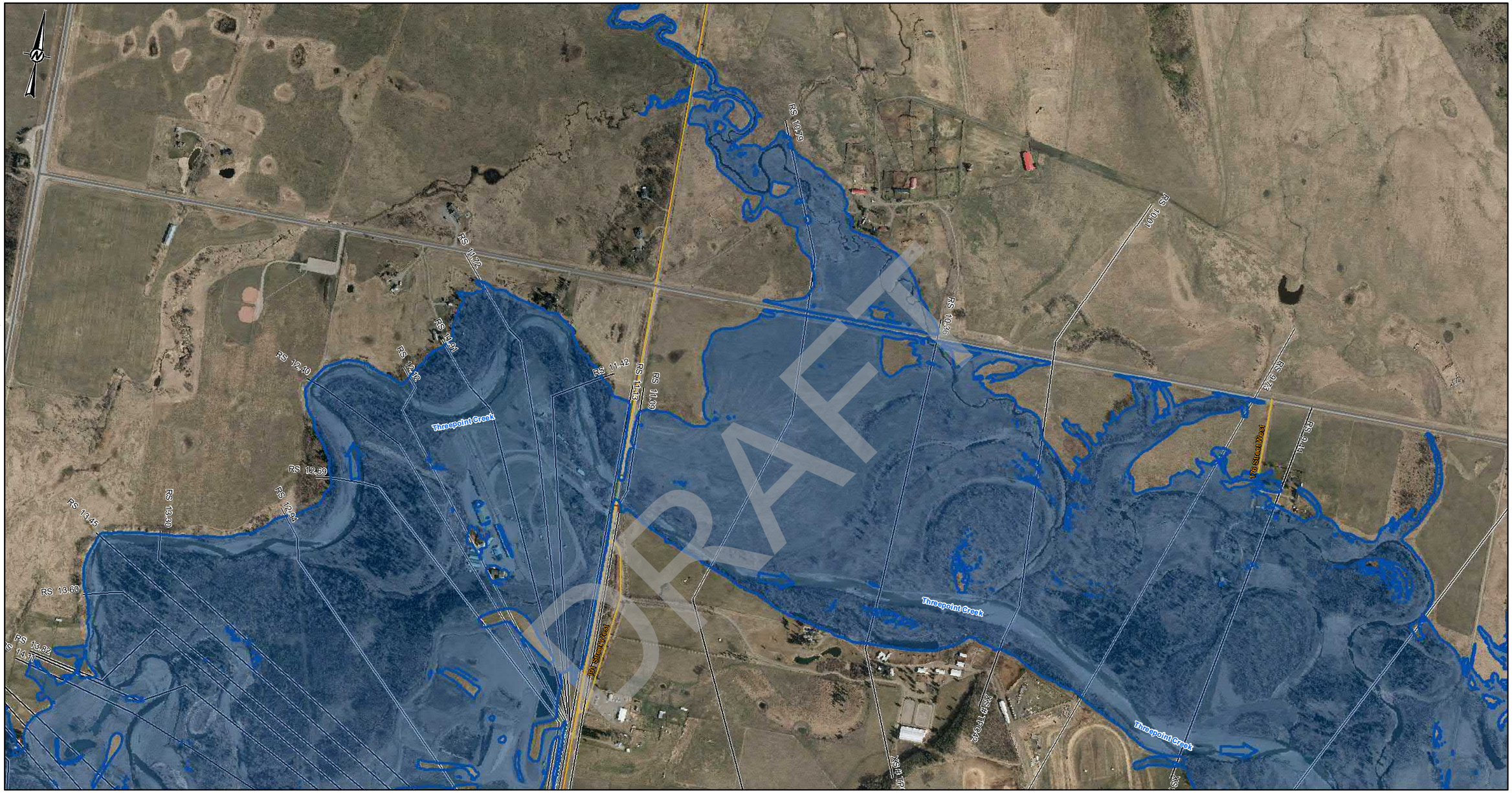


SHEET 26 ↓

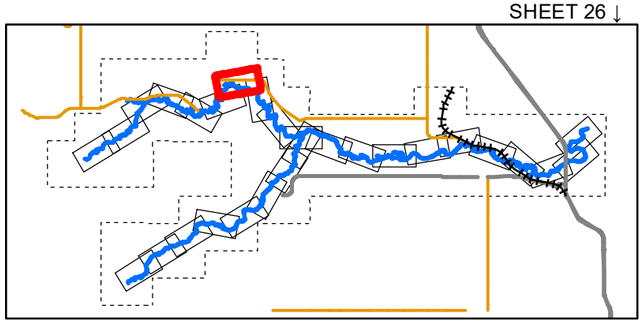
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 25 of 28

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Classification: Public

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
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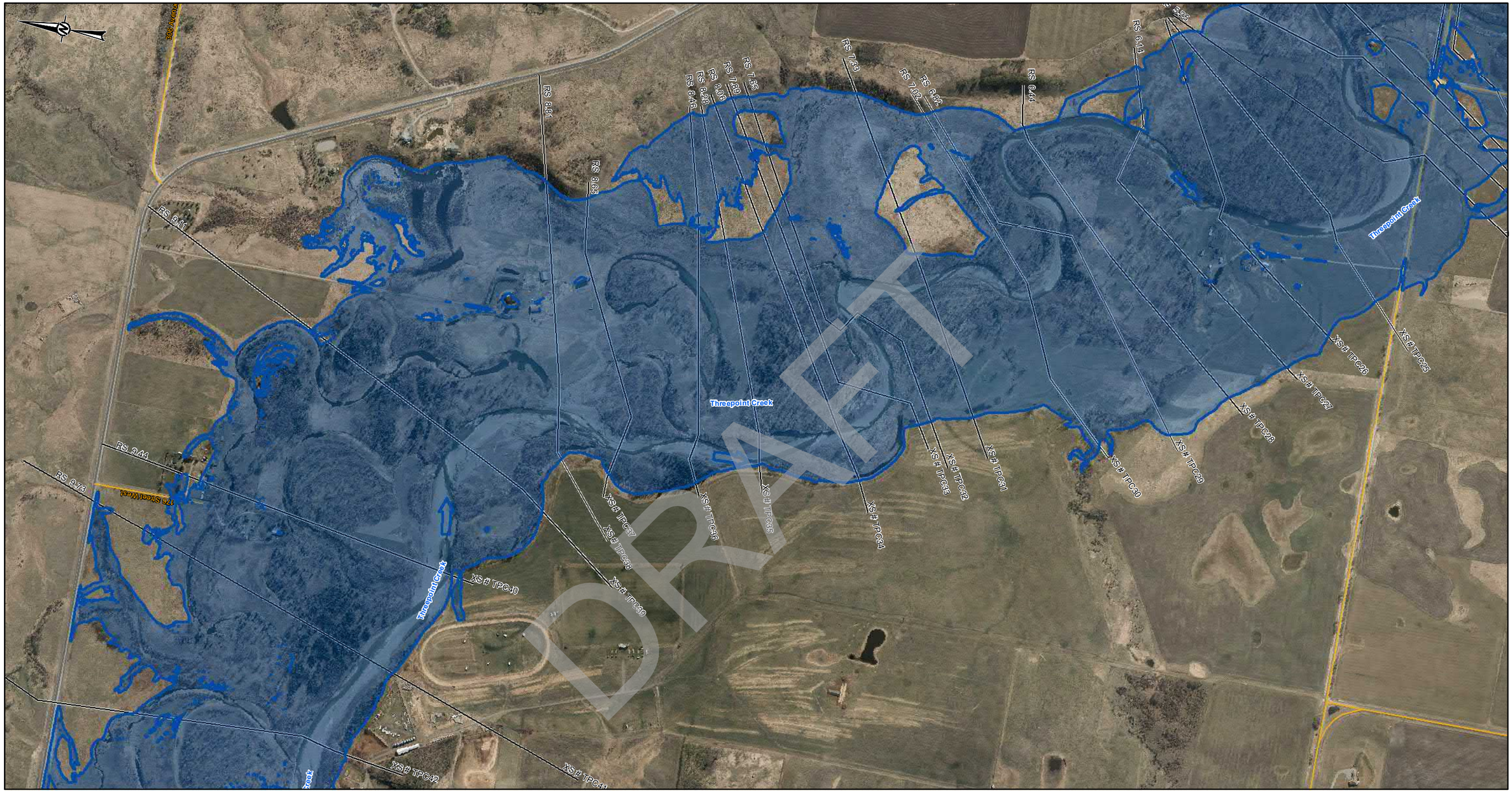
SHEET 25 ↑

SHEET 27 ↑



DRAFT

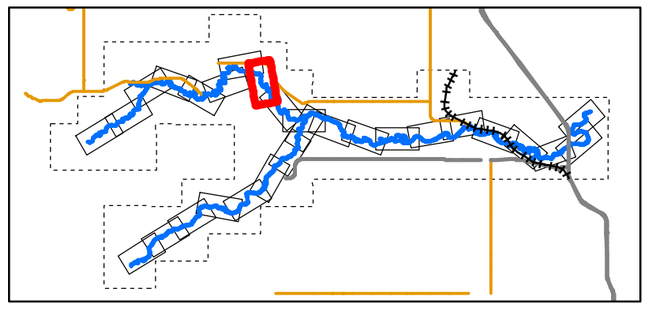
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 26 of 28

Classification: Public

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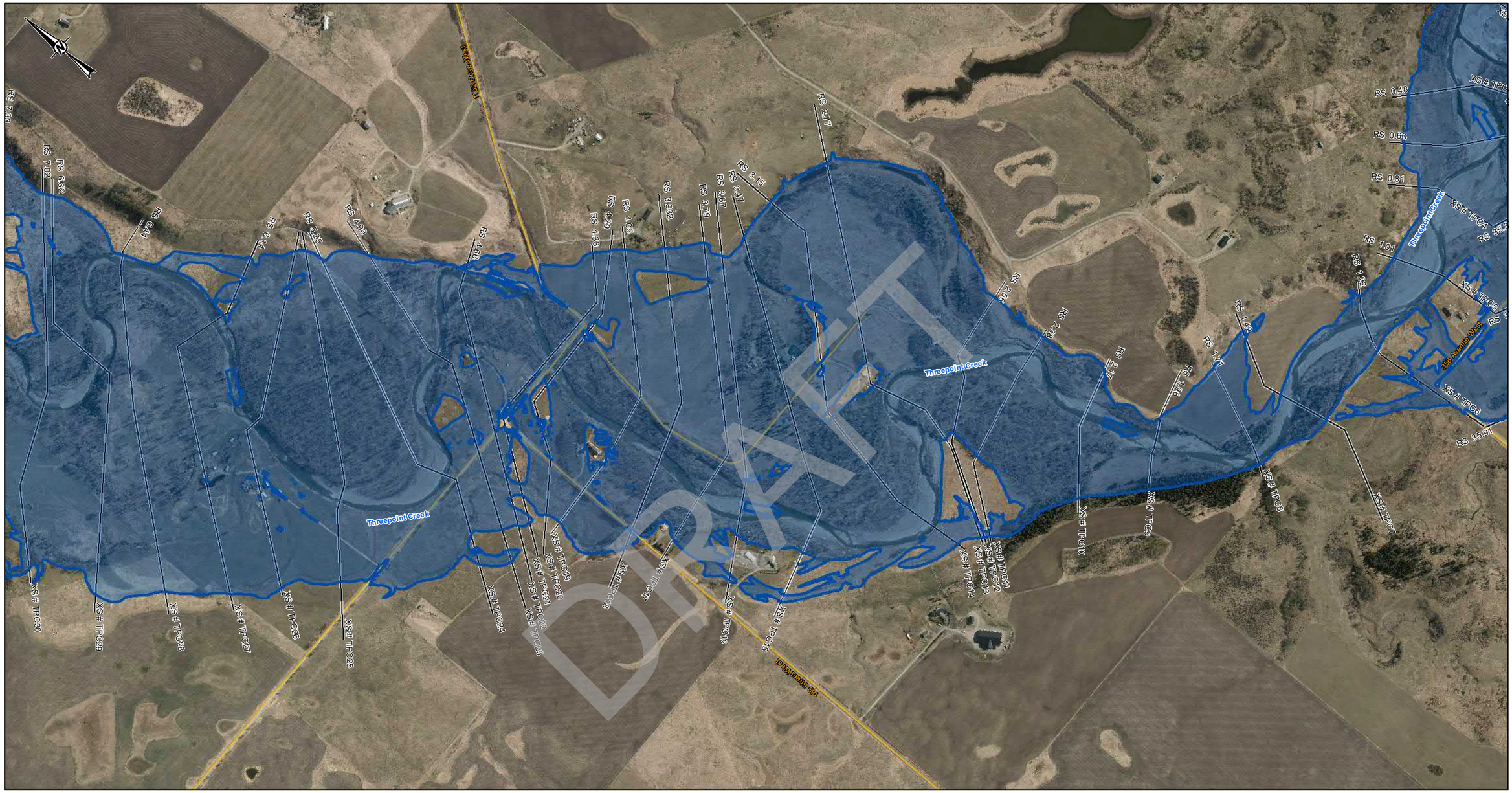
SHEET 26 ↑

SHEET 28 ↑



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
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- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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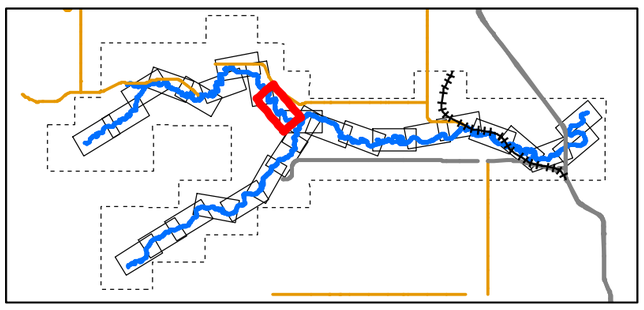
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 27 of 28

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25mm

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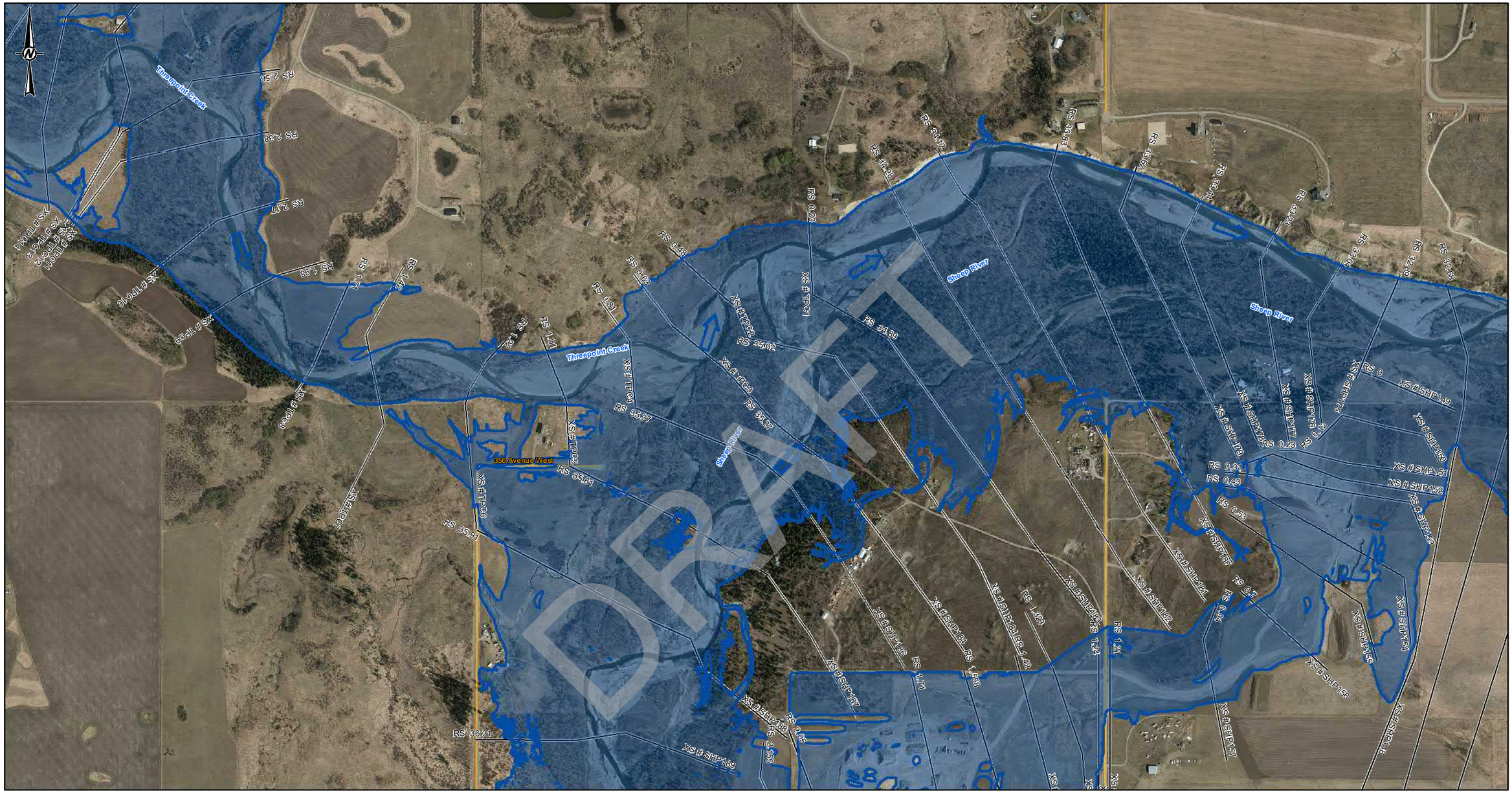
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



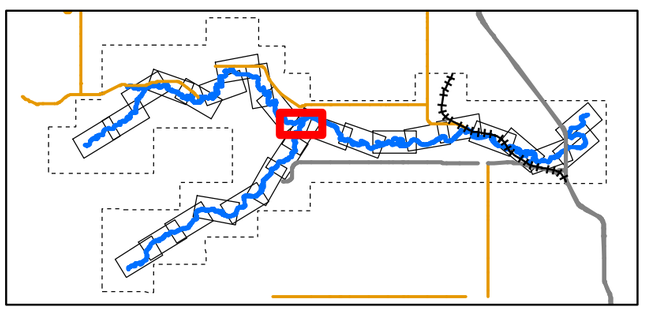
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

500-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m ³/s
SHEEP RIVER= 1500 m³/s
SHEEP RIVER= 2640 m ³/s (DS- RS 34.28)



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
500- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0011-3333	0	Sheet 28 of 28

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

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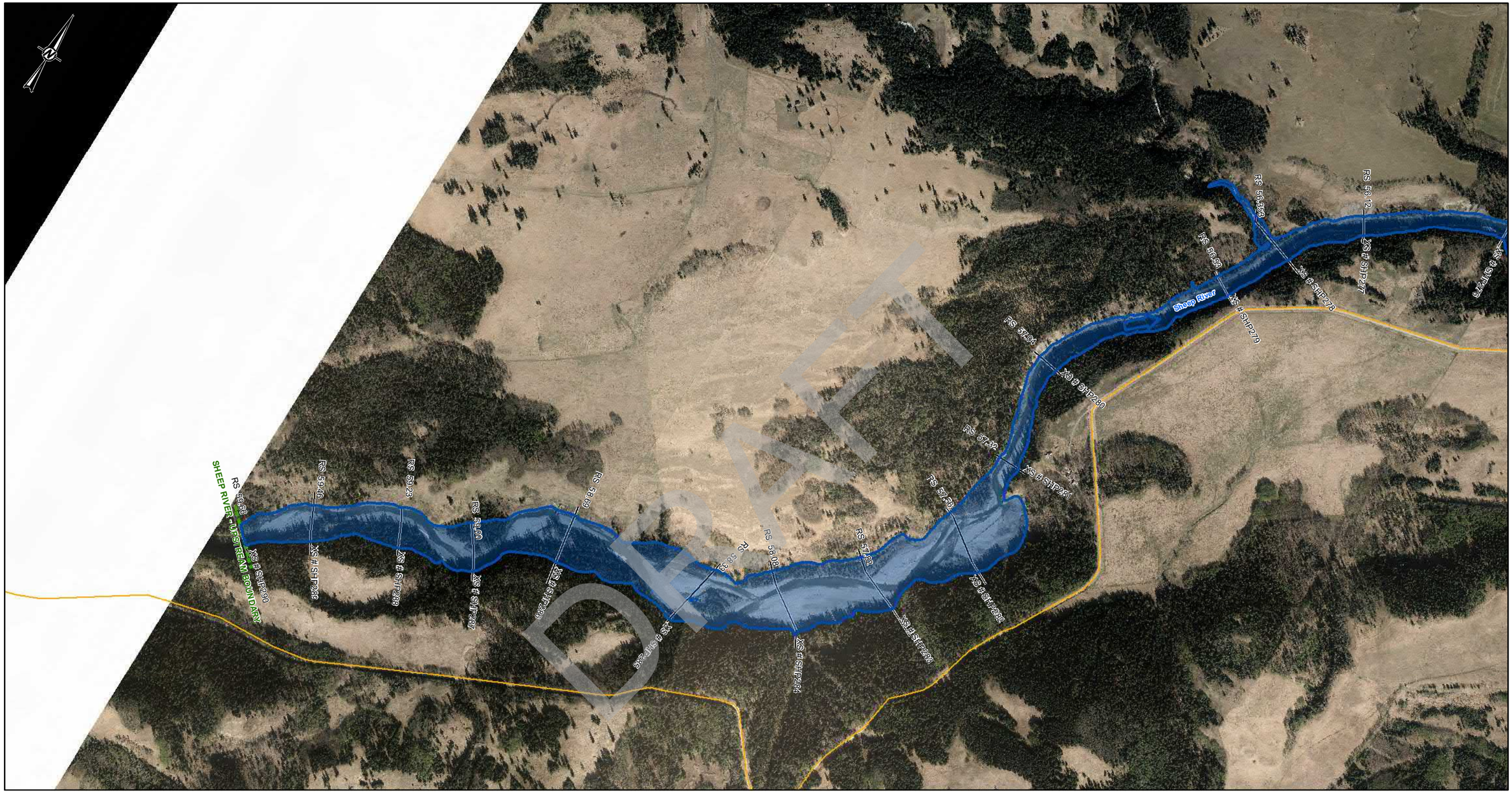
Classification: Public

750-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

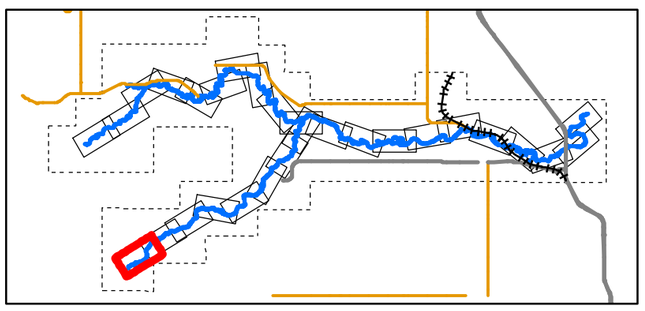
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m³/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 1 of 28

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

0 25mm

Classification: Public

SHEET 1 ↑

SHEET 3 ↑

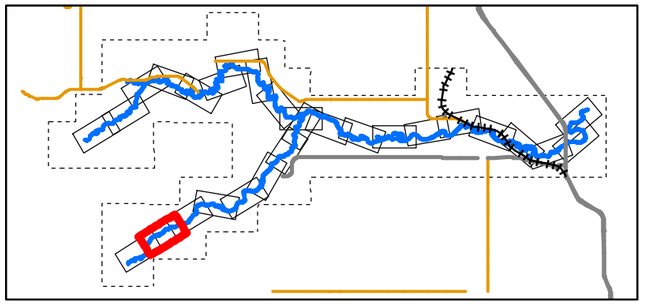
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 2 of 28

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25mm

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Classification: Public

SHEET 2 ↑

SHEET 4 ↑

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
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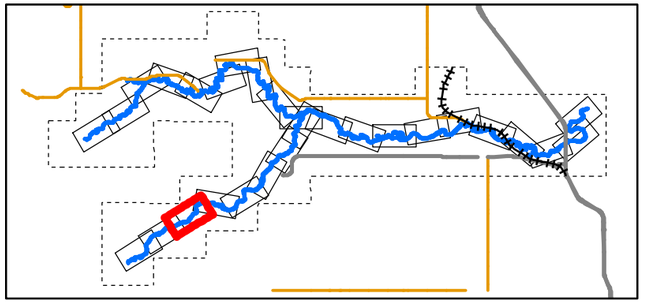
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 3 of 28

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

0 25mm

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Classification: Public

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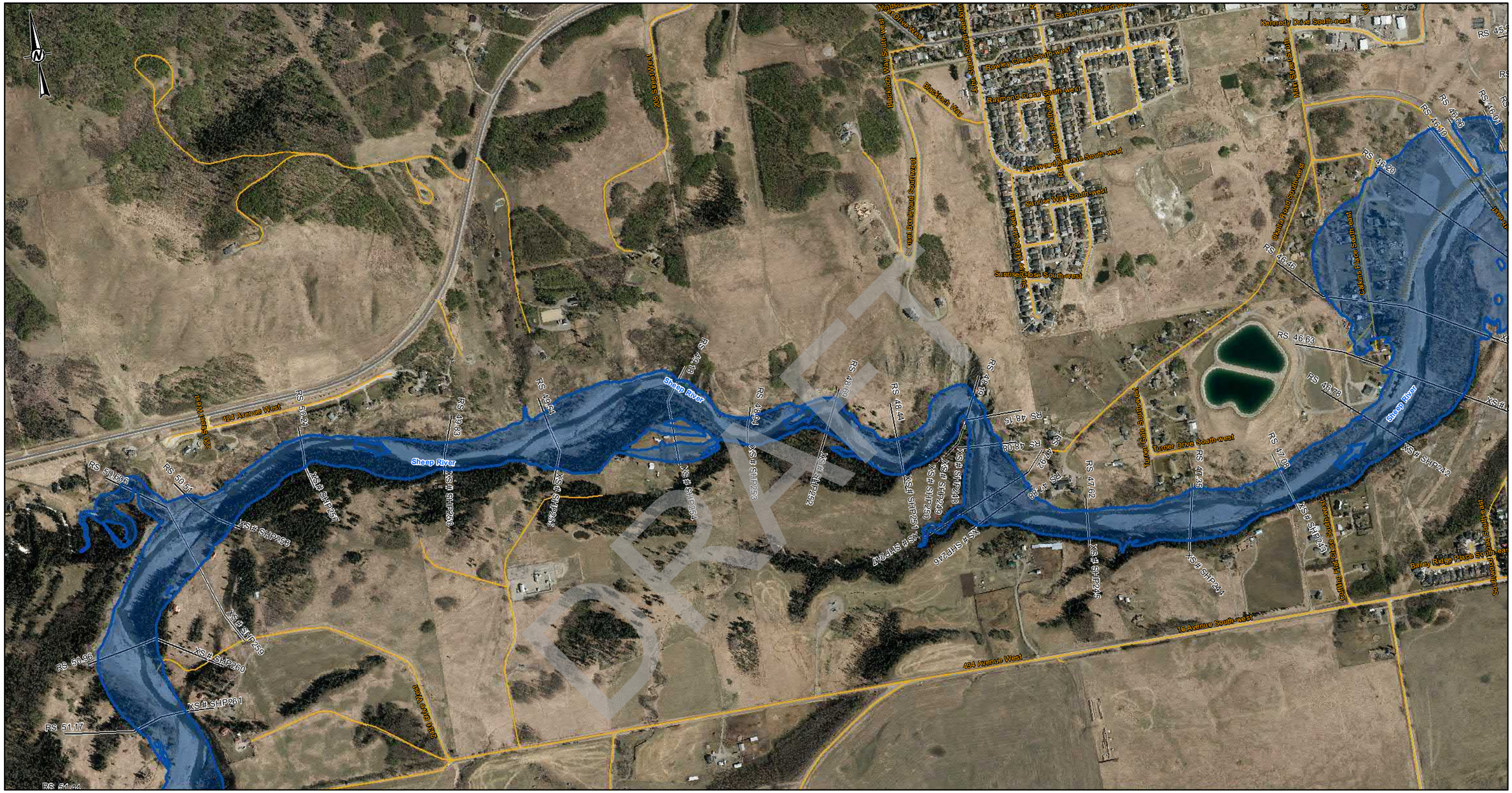
SHEET 5 ↑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XS# SHP262
XS# SHP261
XS# SHP260
XS# SHP259
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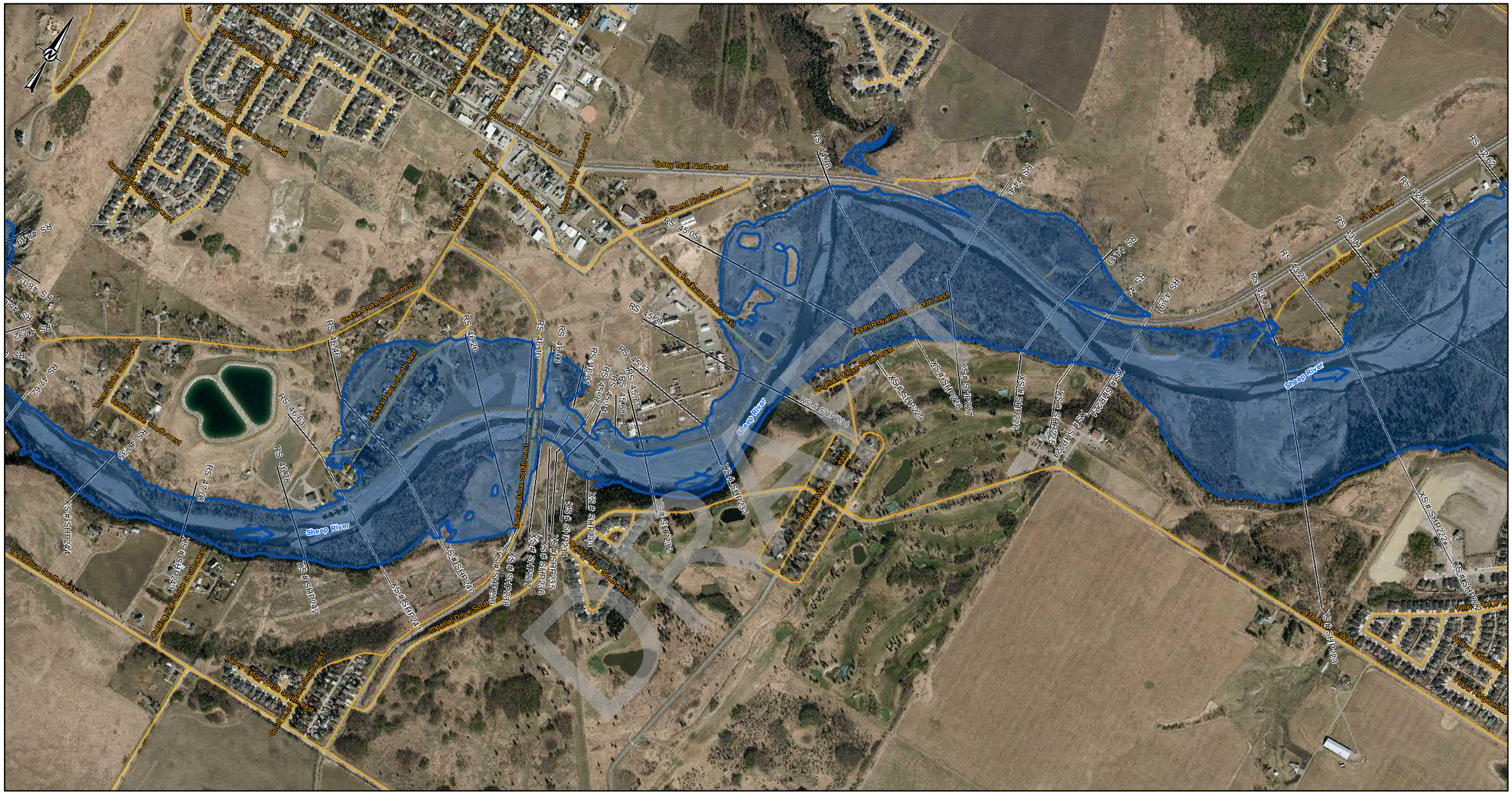
XS# SHP242
RS 51.44
RS 51.17
RS 50.99
RS 50.51
RS 50.06
RS 50.21
RS 49.88
RS 49.64
RS 49.54
RS 48.84
RS 48.63
RS 48.41
RS 48.15
RS 48.06
RS 47.82
RS 47.63
RS 47.28
RS 47.09
RS 46.79
RS 46.63
RS 46.46
RS 46.20
RS 46.08
RS 45.91
484 Avenue West
10 Avenue South-west
Bailey Ridge Place South-west
Bailey Ridge Crescent South-west
Turner Drive South-west
Sunset Boulevard West
Kennedy Drive South-east
Mill Street South
Rowley Close South-west
Raymond Close South-west
Evergreen Avenue South-west
Sunrise Way South-west
Sunrise Close South-west
Sunrise Place South-west
Sunrise Crescent South-west
Sheila Road South-west
Celina Place South-west
Blackfoot Way
Rolling Hills Drive West
Rolling Hills Crescent West
Rolling Hills Drive West
Rolling Hills Crescent West
Rolling Hills Drive West
Rolling Hills Crescent West

SHEET 6 ↑

SHEET 4 ↑



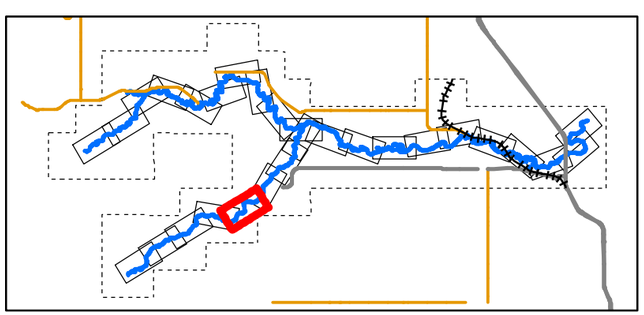
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

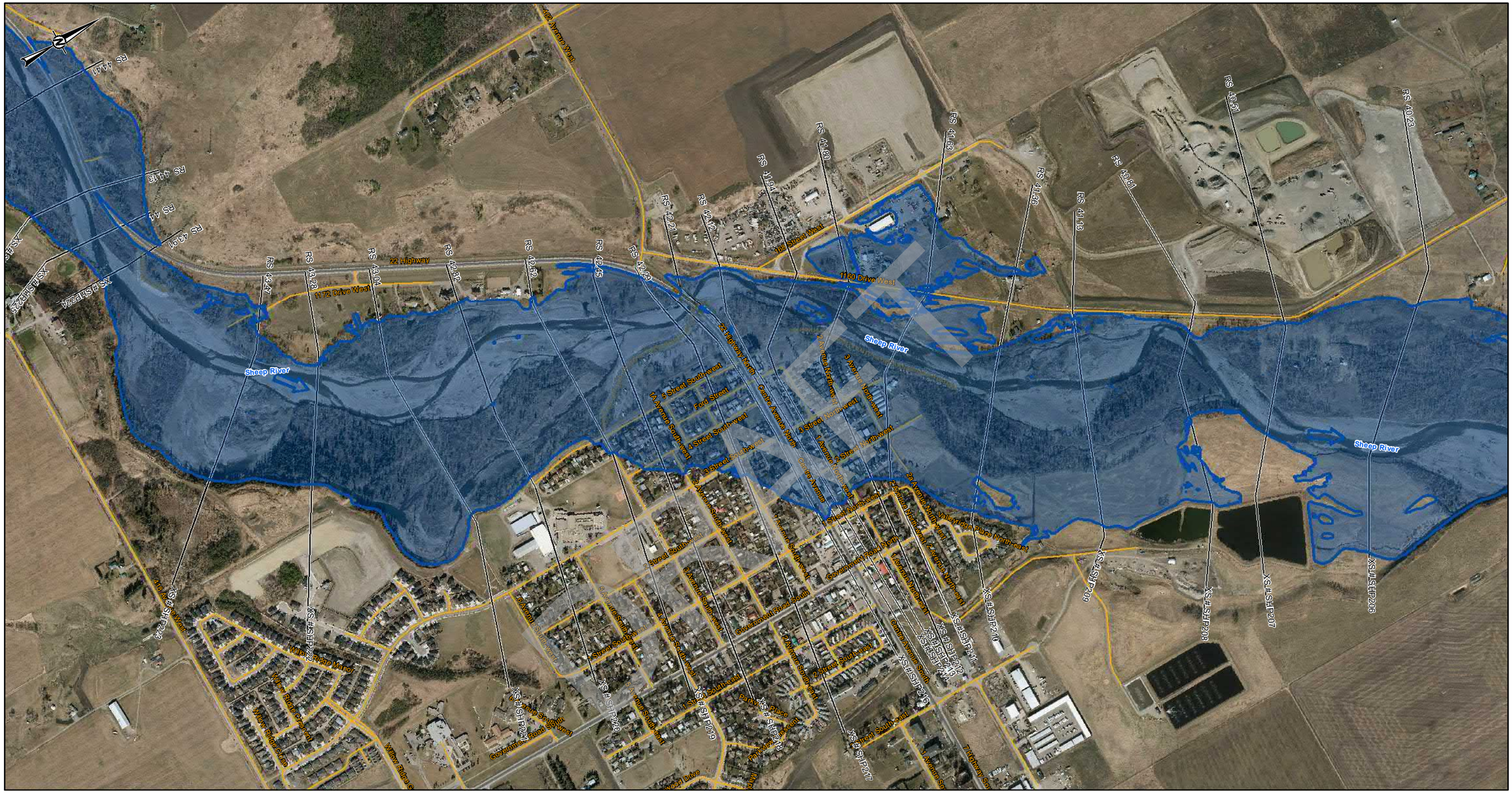
PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 5 of 28

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

Classification: Public

SHEET 5 ↑

SHEET 7 ↑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RS 44+71
RS 44+13
RS 43+91
XS #SHP225
XS #SHP224
RS 43+47
RS 43+28
RS 43+04
RS 42+82
RS 42+62
RS 42+45
RS 42+29
RS 42+21
RS 42+12
RS 41+94
RS 41+80
RS 41+63
RS 41+36
RS 41+18
RS 40+51
RS 40+23
22 Highway
1172 Drive West
1180 Drive West
182 Street West
Sheep River
42 Highway North
Centre Avenue North
3 Street South-west
Ford Street
4A Avenue South-west
4 Street South-west
3 Avenue South-west
2 Avenue South-west
1 Avenue South-west
Government Road South
Parkside Place South
Millow Ridge Crescent
Millow Ridge Close
Millow Ridge Drive
Millow Ridge Vista
Millow Ridge Way
Millow Ridge Green
Millow Ridge Rise
Millow Ridge Mews
Millow Ridge Road
Millow Ridge Heights
Millow Ridge Hill
Millow Ridge Manor
Millow Ridge Point
Millow Ridge Terrace
Millow Ridge Boulevard
Millow Ridge Gate
Millow Ridge Circle
Millow Ridge Cove
Millow Ridge Landing
Millow Ridge Passage
Millow Ridge Pathway
Millow Ridge Trail
Millow Ridge Walk
Millow Ridge Wynd
Millow Ridge Run
Millow Ridge Bay
Millow Ridge Grove
Millow Ridge Park
Millow Ridge Square
Millow Ridge Common
Millow Ridge Esplanade
Millow Ridge Parade
Millow Ridge Quay
Millow Ridge Row
Millow Ridge Strand
Millow Ridge Terrace
Millow Ridge Wharf
Millow Ridge Yard
Millow Ridge Alley
Millow Ridge Arcade
Millow Ridge Avenue
Millow Ridge Boulevard
Millow Ridge Circle
Millow Ridge Close
Millow Ridge Court
Millow Ridge Crescent
Millow Ridge Drive
Millow Ridge Gardens
Millow Ridge Gate
Millow Ridge Green
Millow Ridge Grove
Millow Ridge Heights
Millow Ridge Hill
Millow Ridge Landing
Millow Ridge Manor
Millow Ridge Mews
Millow Ridge Park
Millow Ridge Passage
Millow Ridge Pathway
Millow Ridge Place
Millow Ridge Point
Millow Ridge Quay
Millow Ridge Rise
Millow Ridge Road
Millow Ridge Row
Millow Ridge Run
Millow Ridge Square
Millow Ridge Strand
Millow Ridge Terrace
Millow Ridge Trail
Millow Ridge Vista
Millow Ridge Walk
Millow Ridge Wharf
Millow Ridge Wynd
Millow Ridge Yard
XS #SHP226
XS #SHP227
XS #SHP228
XS #SHP229
XS #SHP230
XS #SHP231
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XS #SHP234
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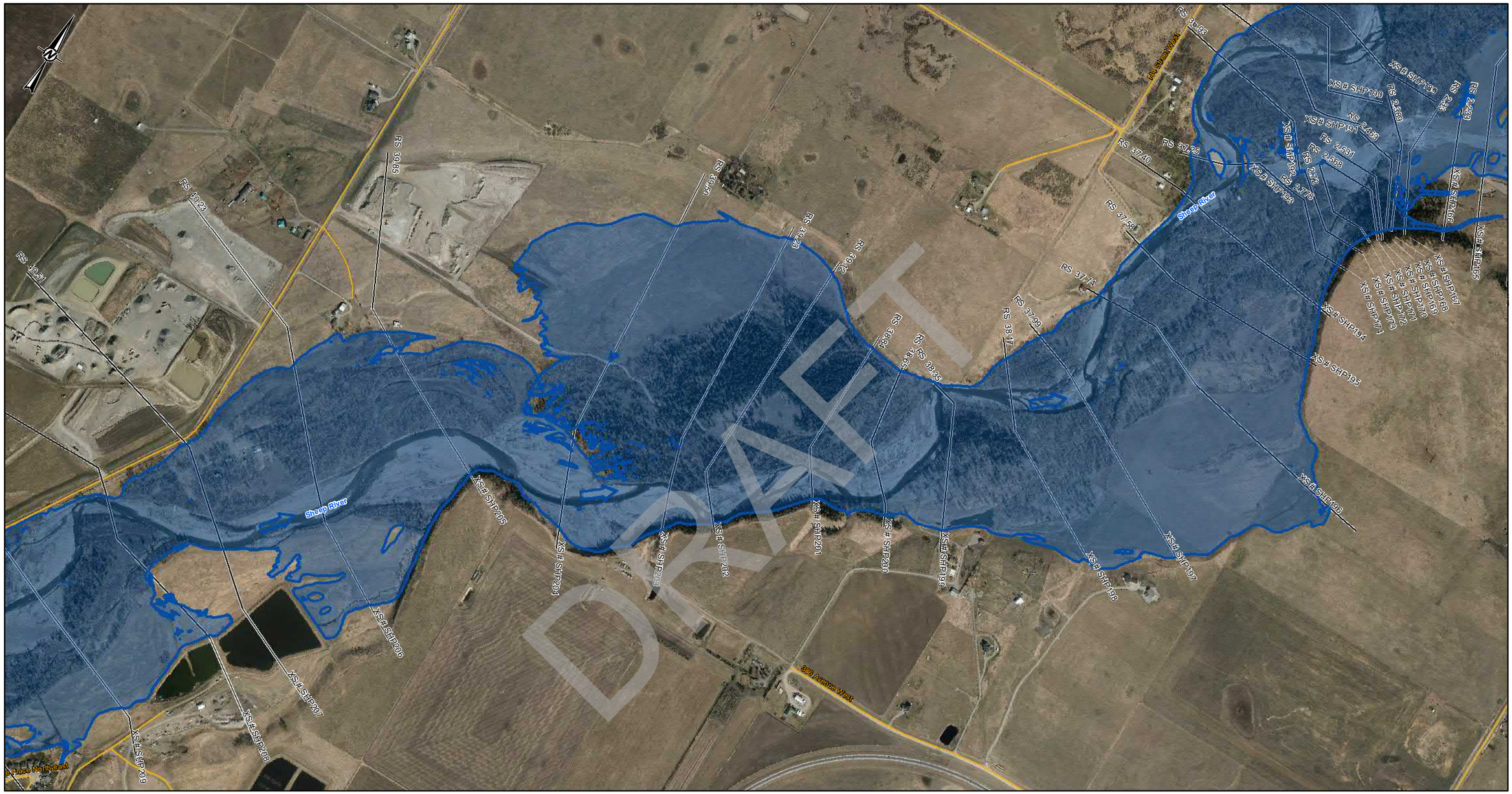
SHEET 6 ↑

SHEET 8 ↑



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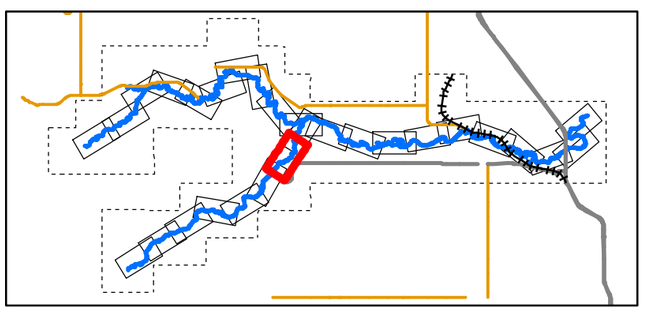
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1720 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 7 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
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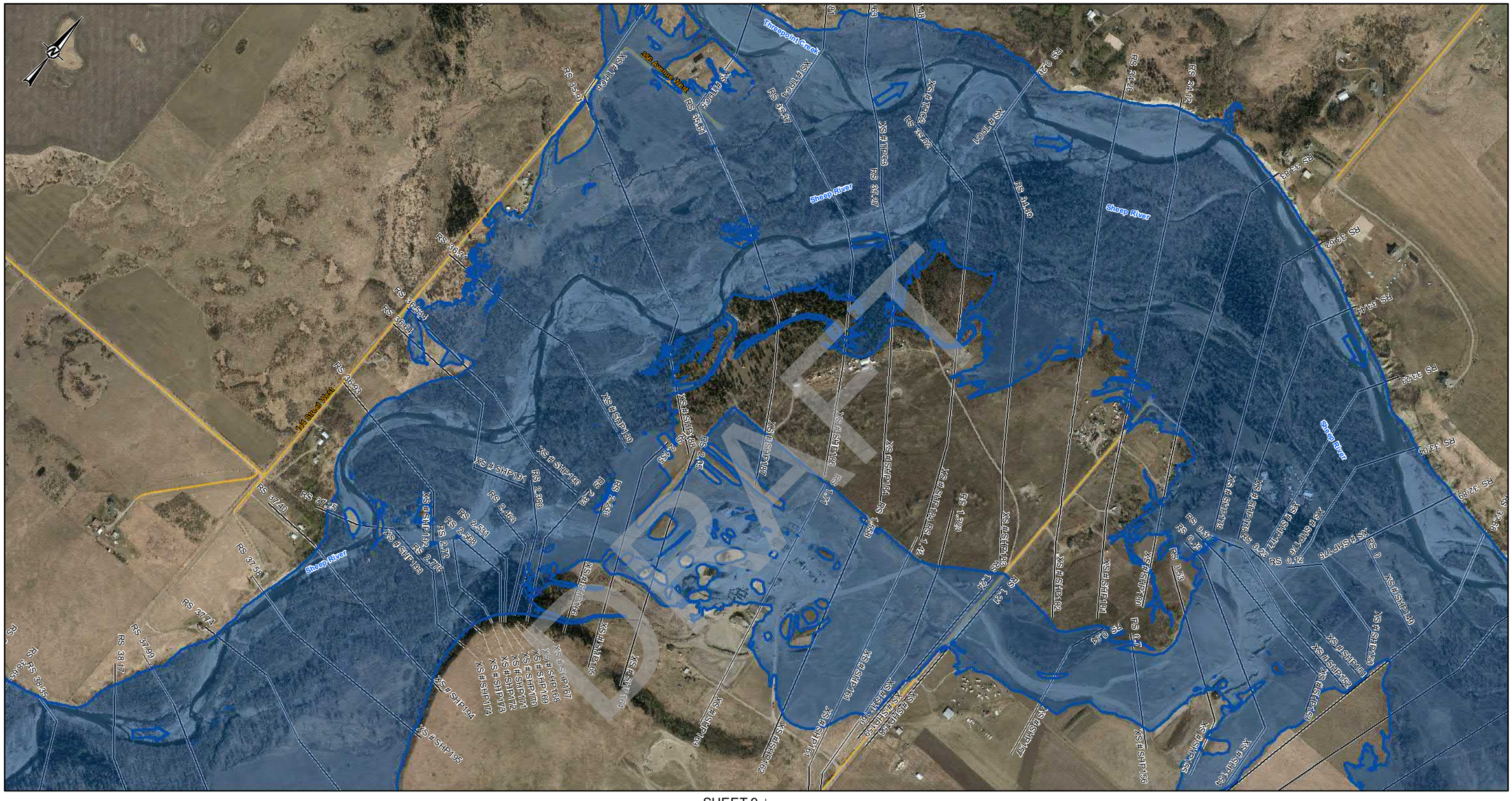
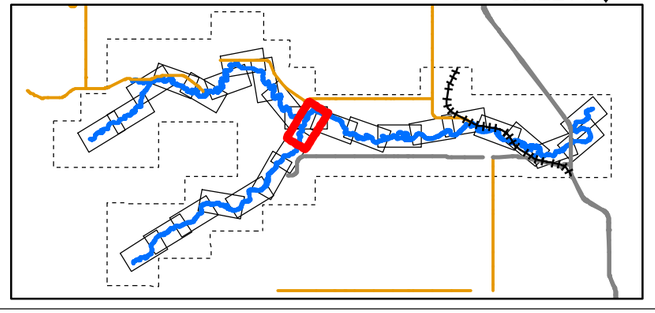
Classification: Public

SHEET 27 ↑

SHEET 7 ↑



SHEET 9 ↓



LEGEND

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- BRIDGES
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- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1300 m ³/s
SHEEP RIVER= 1720 m³/s
SHEEP RIVER= 3020 m ³/s (DS- RS 34.28)

0 50 100 200 300 400
1:10,000 METRES

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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 8 of 28

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0 25mm

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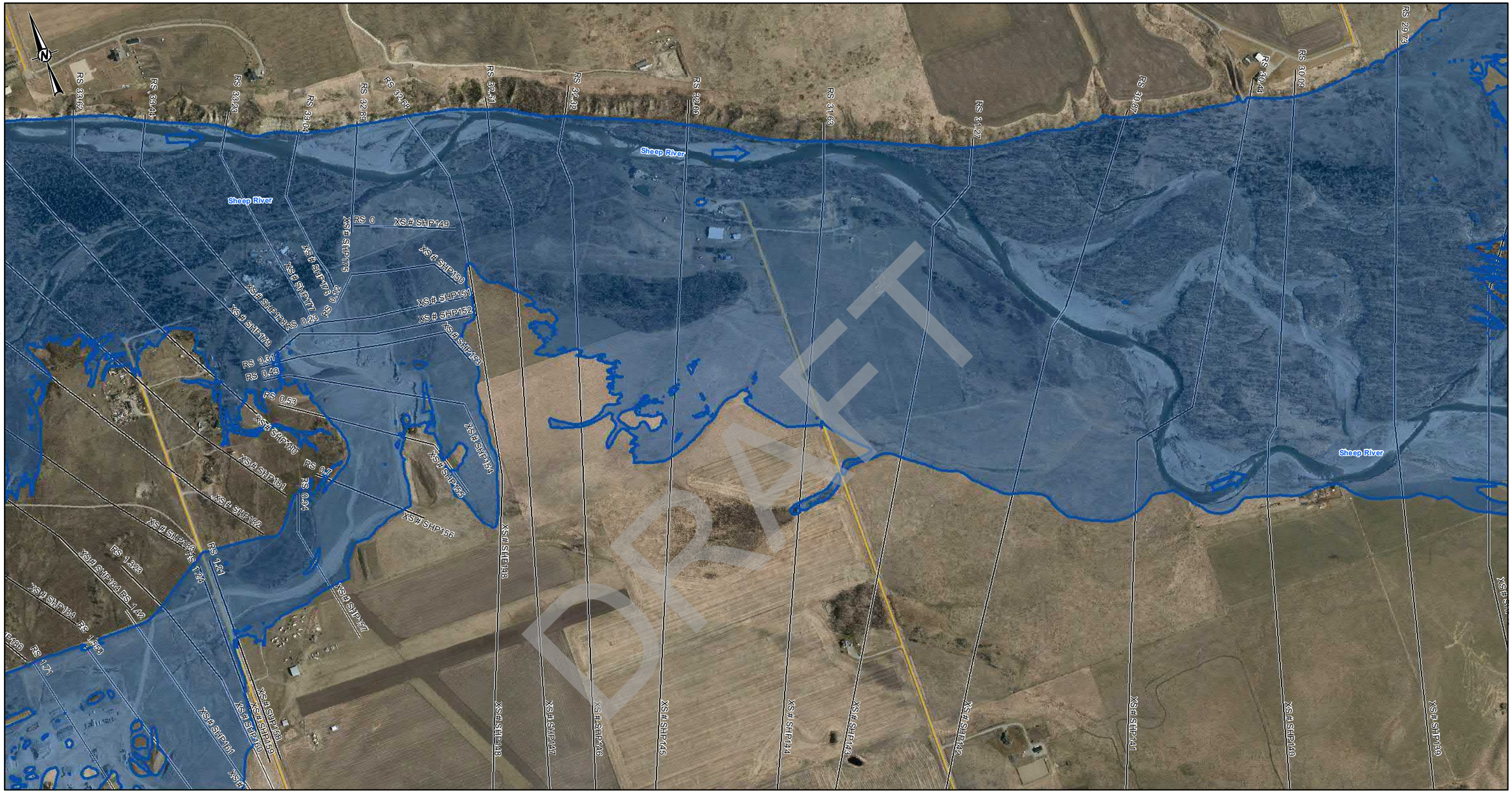
Classification: Public

SHEET 8 ↑

SHEET 10 ↑



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LEGEND

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- FLOW DIRECTION
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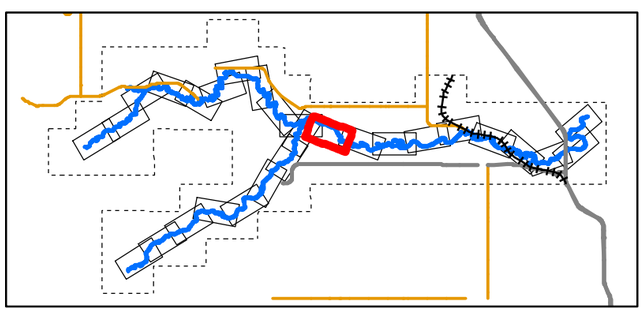
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2420 m^3/s



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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 9 of 28

Classification: Public

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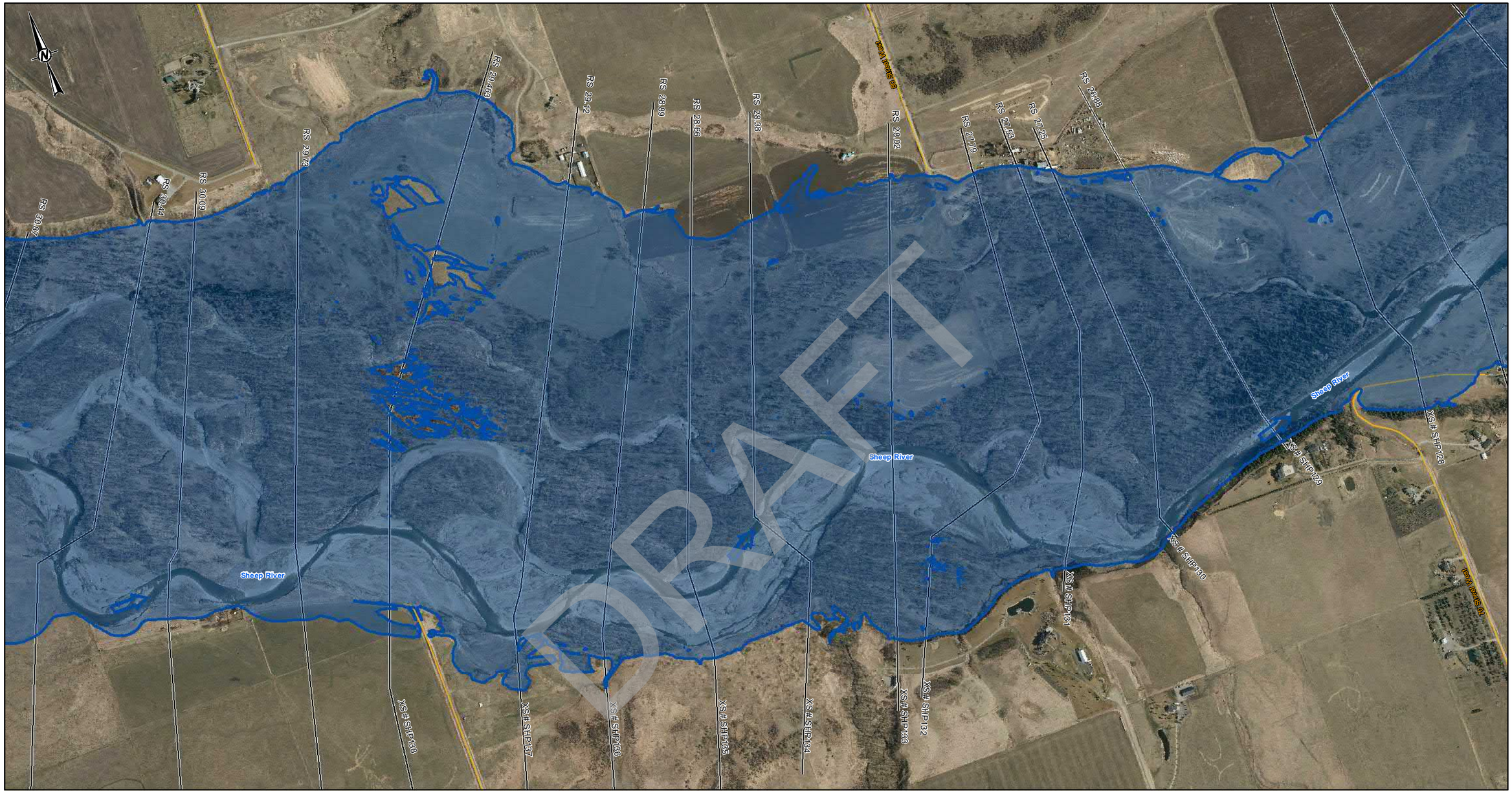
SHEET 9 ↑

SHEET 11 ↑



DRAFT

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750-YEAR FLOOD INUNDATION EXTENT

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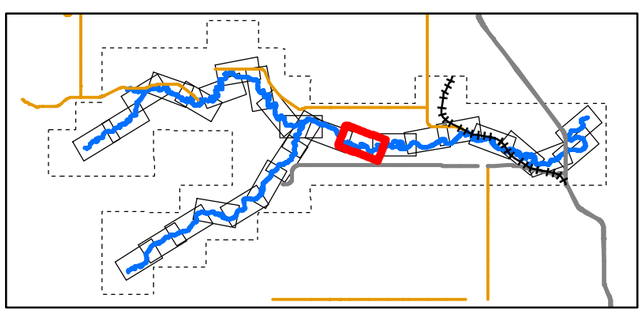
DISCHARGE
SHEEP RIVER= 2420 m^3/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 10 of 28

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

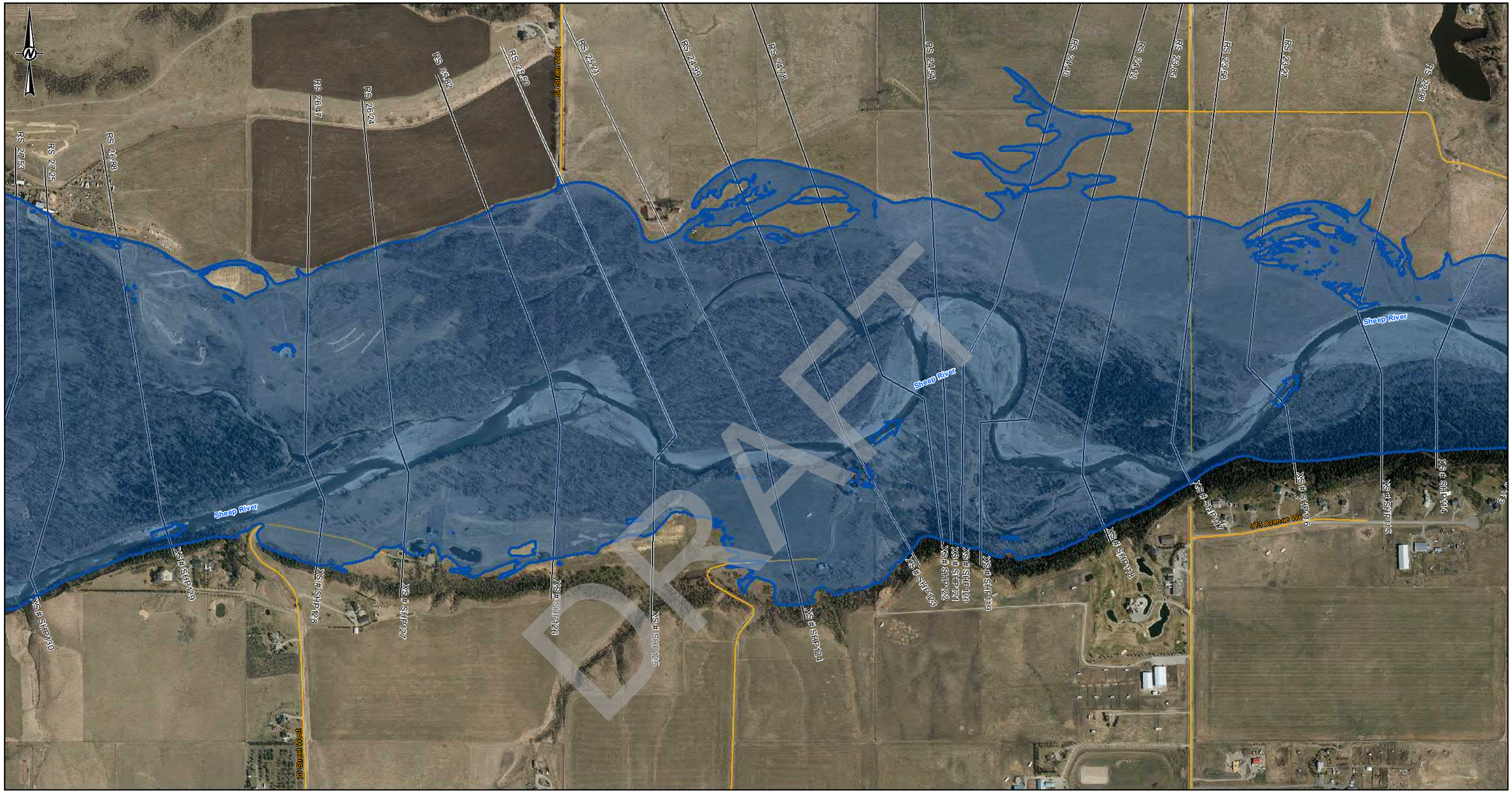
0 25mm

\\cgy1fs60.hpi.net\WATERPOWER\12456\SPECIALIST_APPS\HEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 10 ↑

SHEET 12 ↑



DRAFT

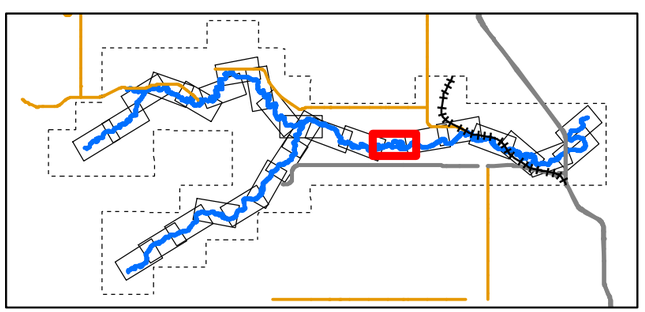
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2420 m^3/s



0 50 100 200 300 400
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TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 11 of 28

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Classification: Public

SHEET 11 ↑

SHEET 13 ↑

DRAFT

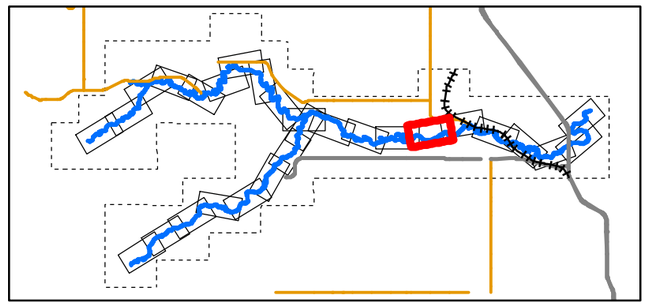
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2420 m^3/s



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 12 of 28

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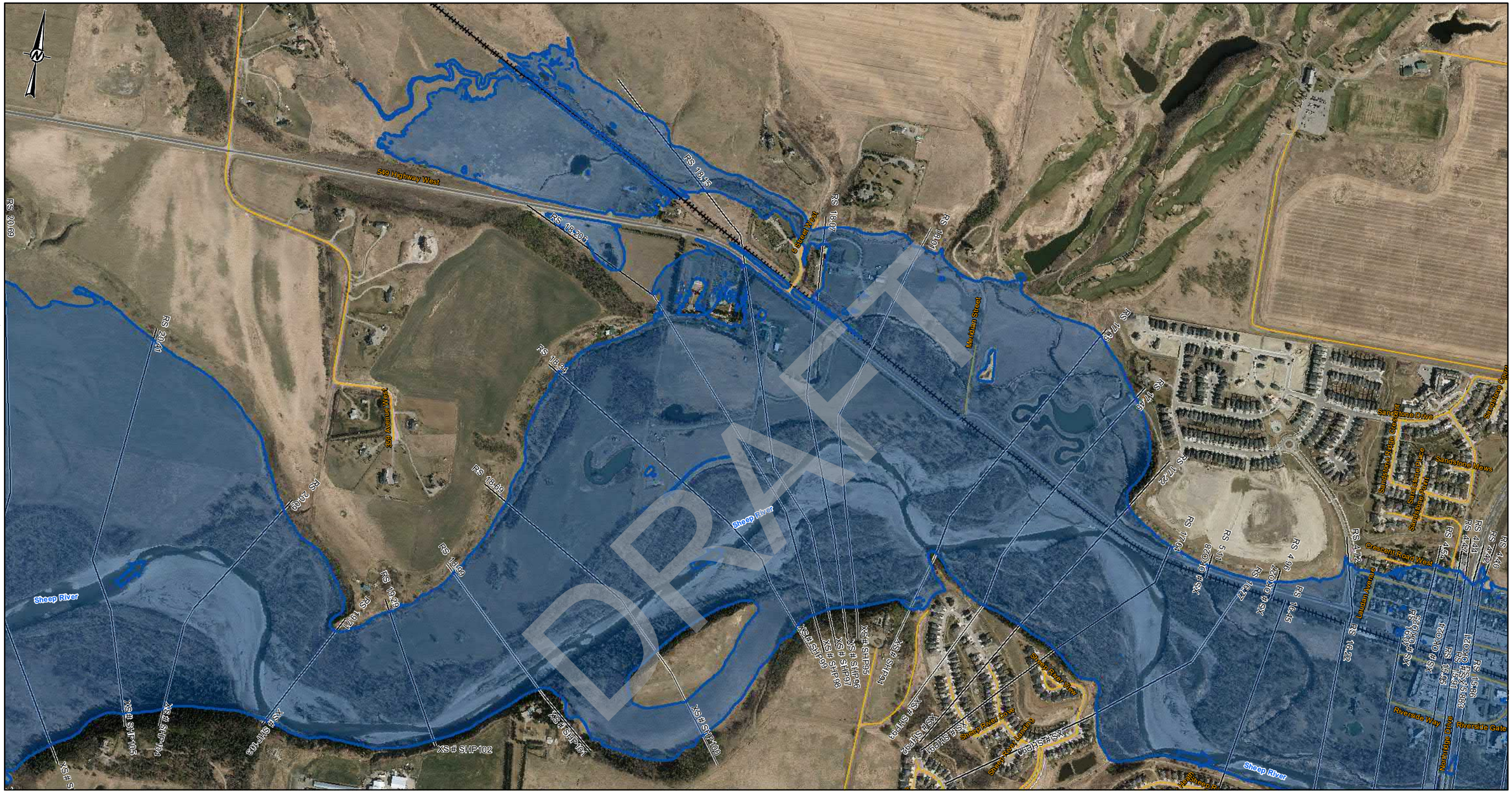
Classification: Public

SHEET 12 ↑

SHEET 14 ↑



DRAFT

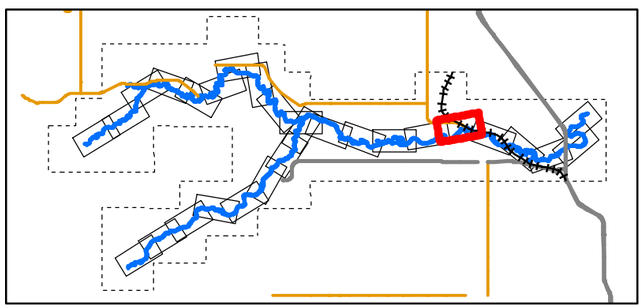
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2420 m^3/s



0 50 100 200 300 400
1:10,000 METRES

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TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 13 of 28

Classification: Public

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0 25mm

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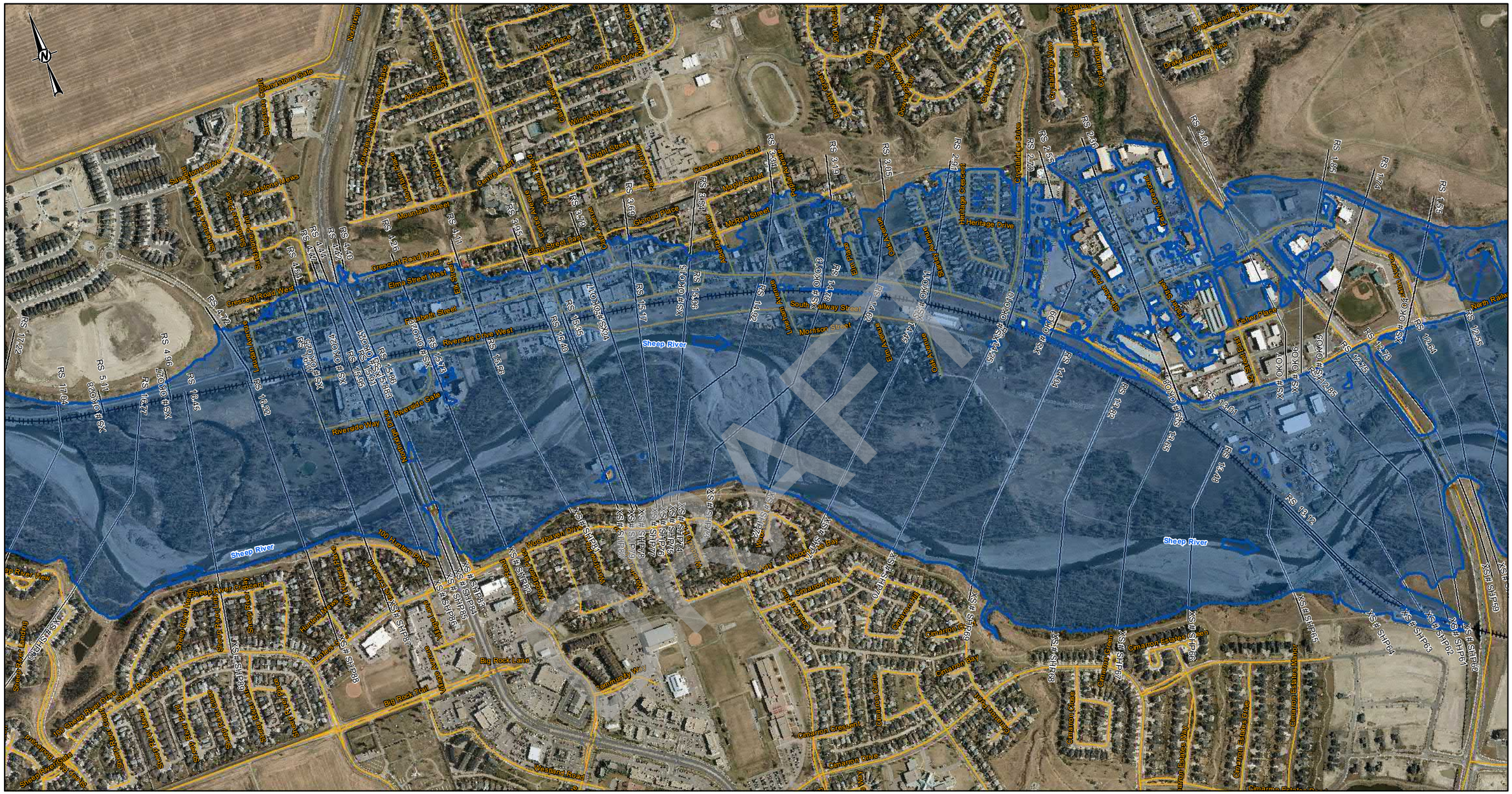
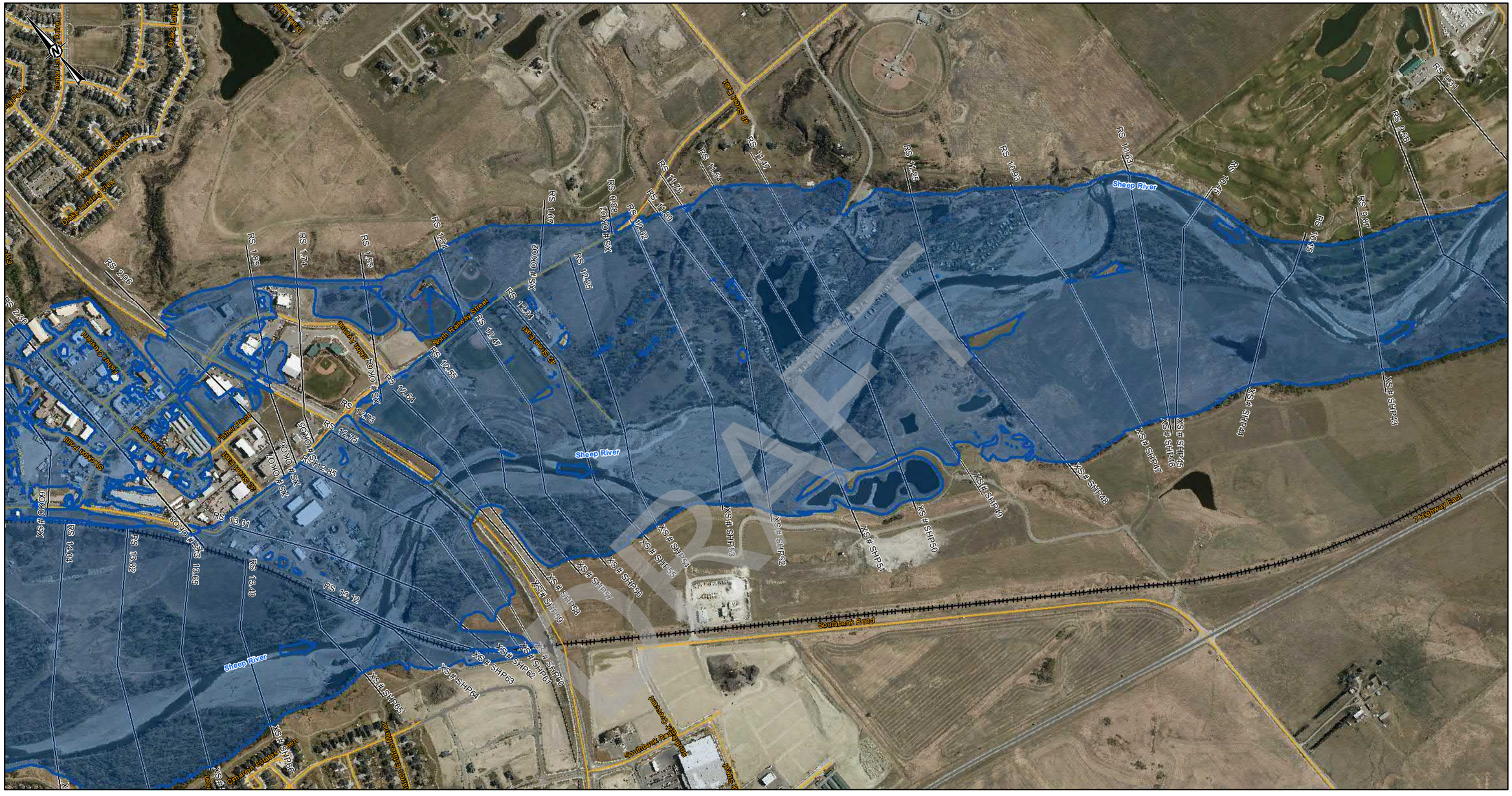
SHEET 13 ↑

SHEET 15 ↑


Sheep River
Sheep River
Sheep River
Elma Street West
Crescent Road West
Riverside Drive West
Elizabeth Street
Mountain Street
Crescent Street East
Elma Street East
Maple Street
McRae Street
Gleland Place
Knight Street
Mesh Street
Alcock Street
Centre Court
Oak Avenue
Pine Avenue
Poplar Avenue
Main Street
Lindsay Avenue
Riverside Gate
Riverside Way
Riverside Drive
Sandstone Drive
Sandstone Mews
Sandstone Gate
Sandstone Court
Sandstone Crescent
Sandstone Place
Sandstone Way
Sandstone Rise
Sandstone Heights
Sandstone Landing
Sandstone Green
Sandstone Manor
Sandstone Meadows
Sandstone Terrace
Sandstone Point
Sandstone Ridge
Sandstone Cove
Sandstone Hill
Sandstone Bay
Sandstone Pass
Sandstone Park
Sandstone Rise
Sandstone Close
Sandstone Crescent
Sandstone Drive
Sandstone Gate
Sandstone Court

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River
Sheep River
Southbank Road
7 Highway East
North Railway Street
Fisher Street
Fisher Place
Fisher Park
Cimaron Estates Drive
Cimaron Estates Gate
Cimaron Estates Court
Southbank Pathways
Southbank Pathways
Deer Run Drive
Deer Run Park
Deer Run Landing Court
Deer Run Landing Drive
Deer Run Point
Deer Run Point
Deer Run Point

SHEET 15 ↑

SHEET 17 ↑

DRAFT

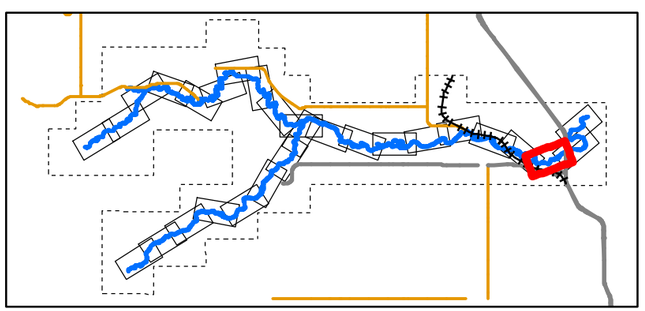
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2540 m³/s



0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

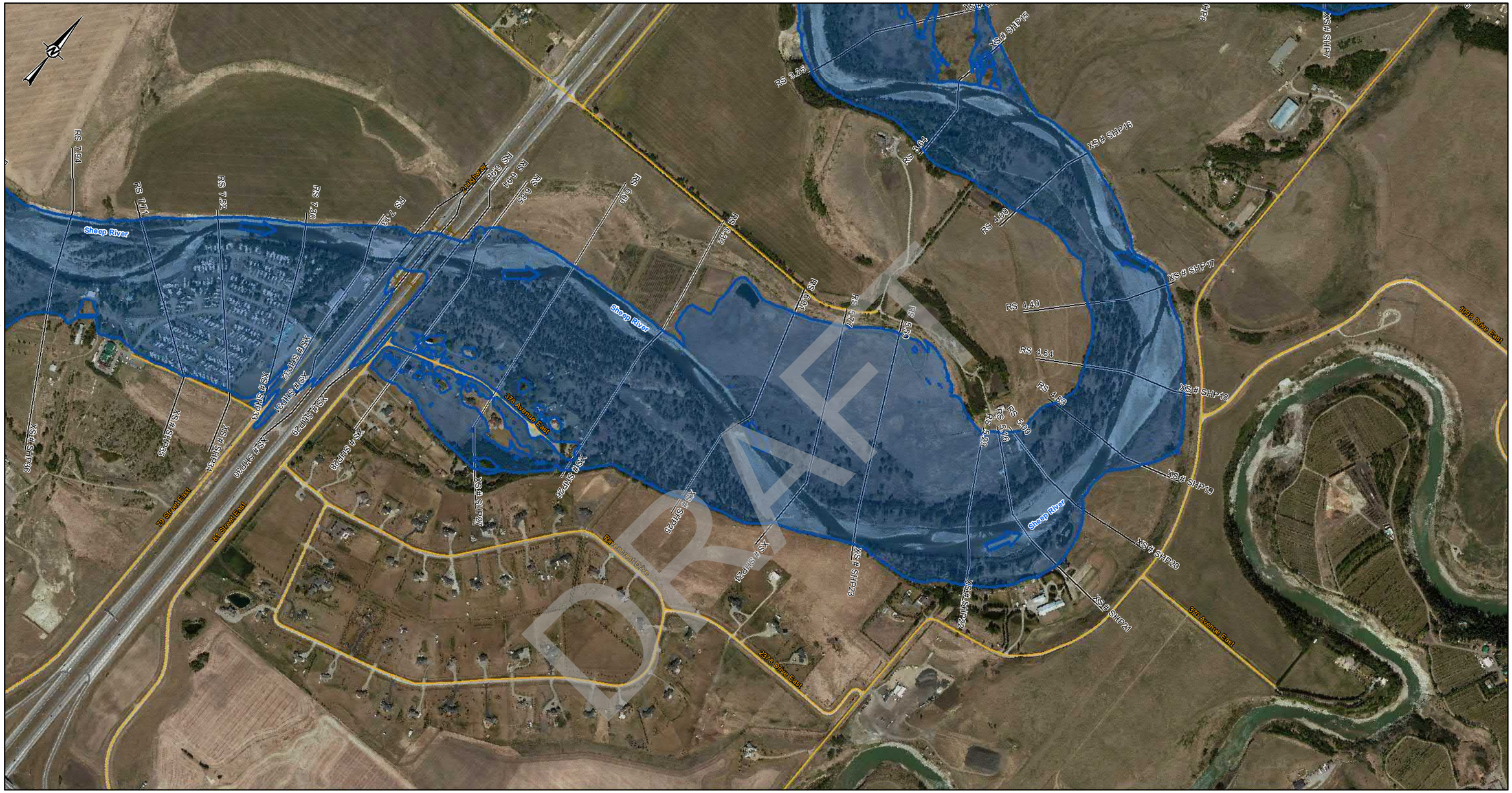
TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 16 of 28

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm
\\cgyfile01\projects\WATERPOWER\12345\8\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP DELIVERABLES\GIS GEODATABASE\FINAL_DELIVERABLES_2022
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



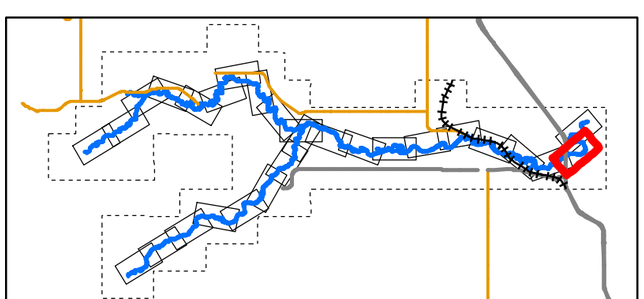
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2540 m^3/s



0 50 100 200 300 400
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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 17 of 28

DRAFT

Classification: Public

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
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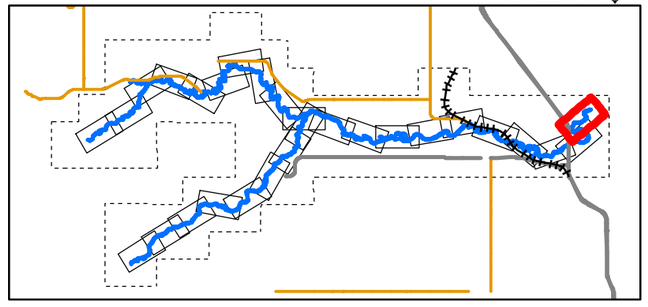
SHEET 17 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2540 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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PROJECT
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TITLE
750- YEAR FLOOD INUNDATION EXTENT

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
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PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 18 of 28

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0 25mm

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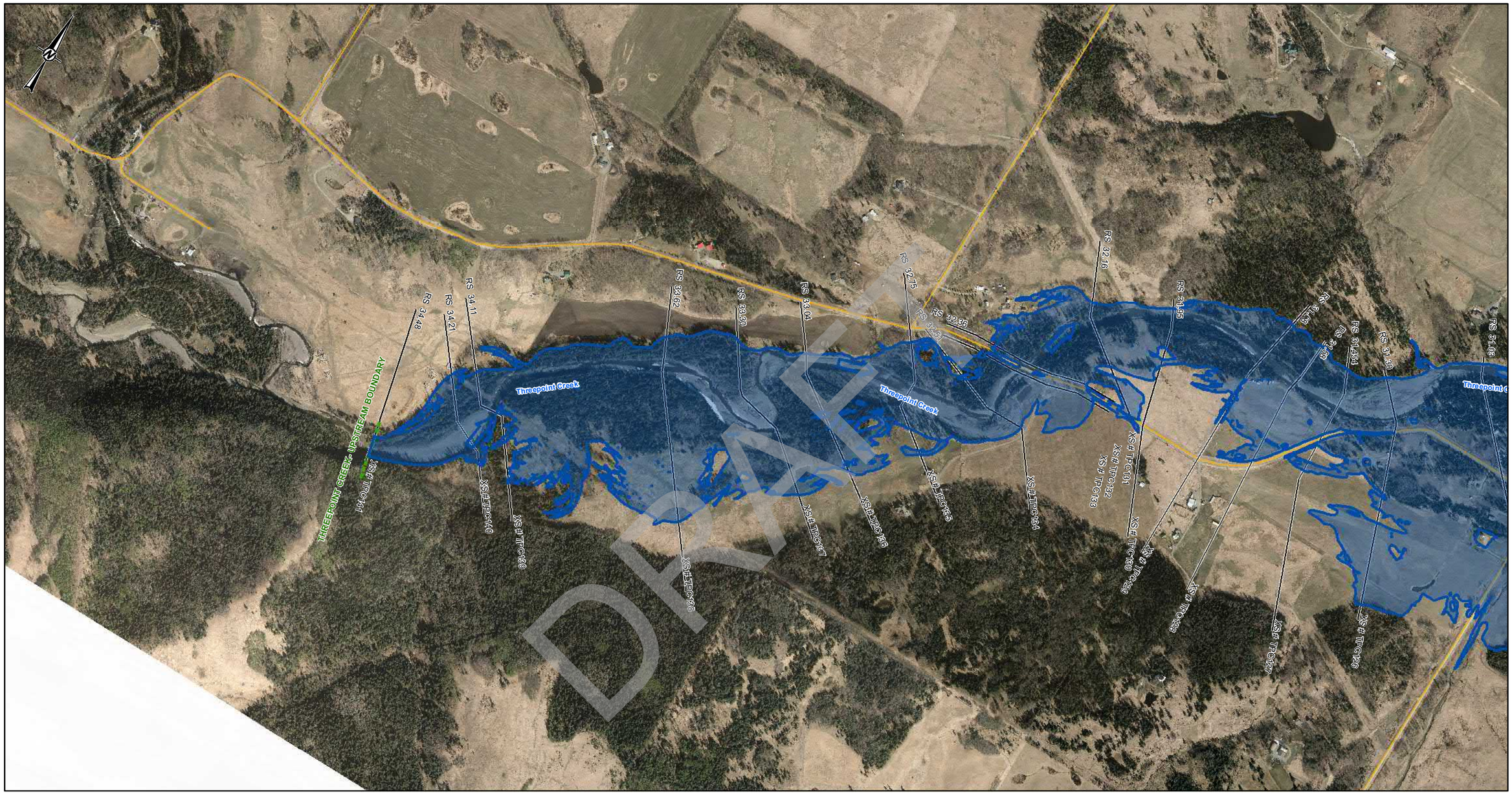
Classification: Public



DRAFT

SHEET 20 ↑

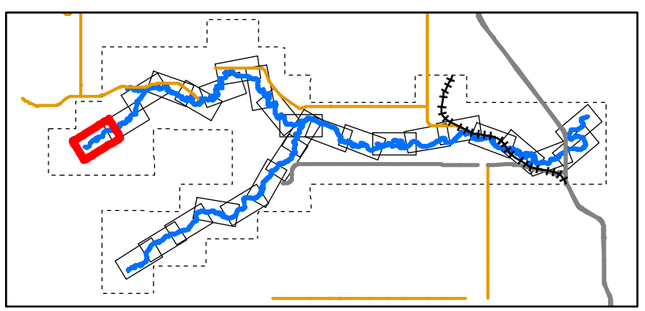
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 496 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 19 of 28

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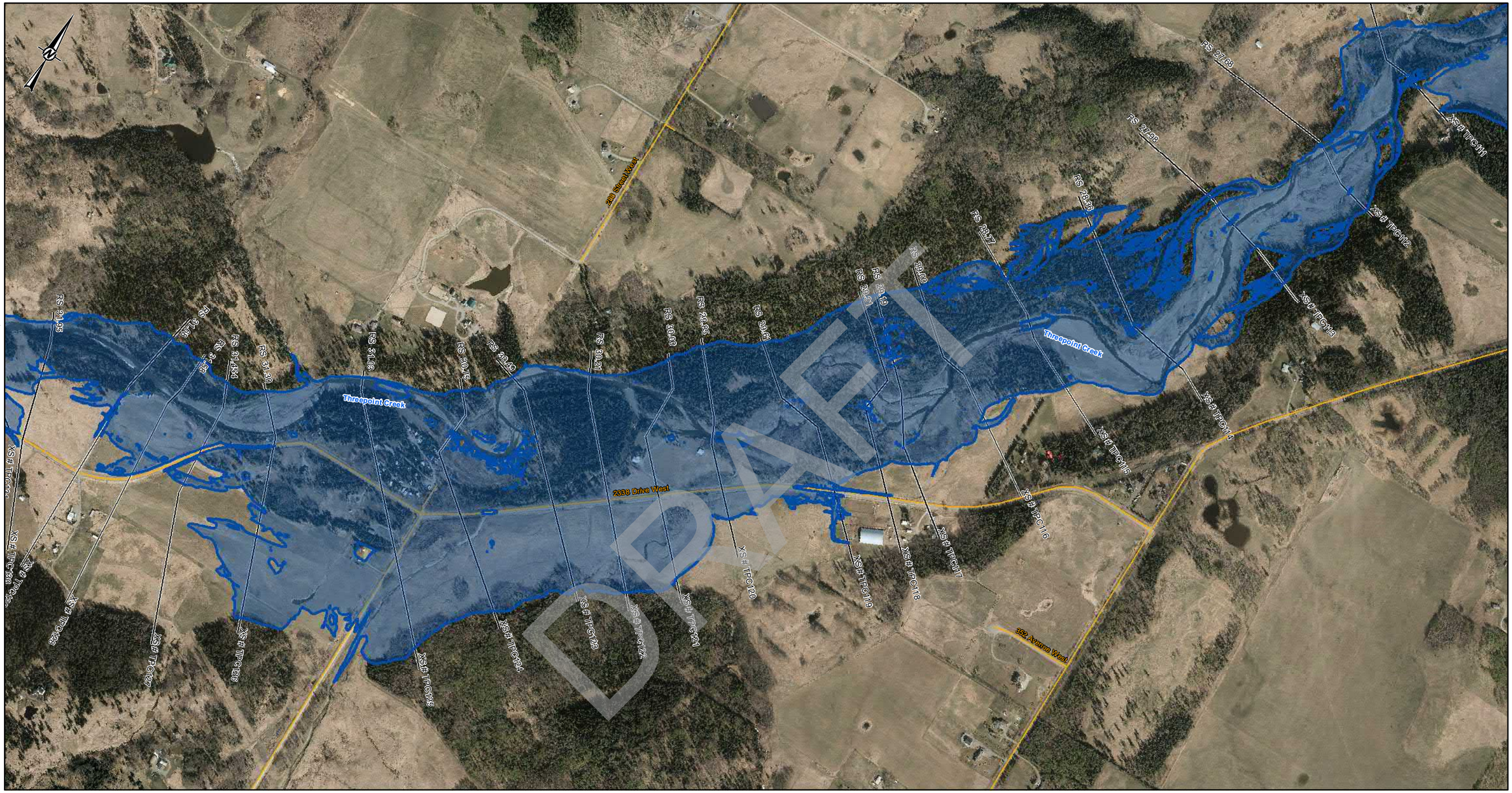
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



DRAFT

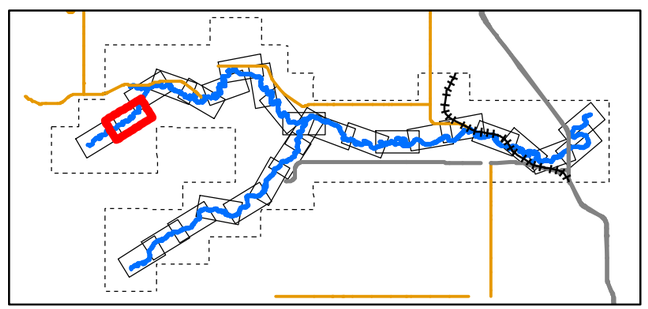
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 496 m^3/s



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TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 20 of 28

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0 25mm

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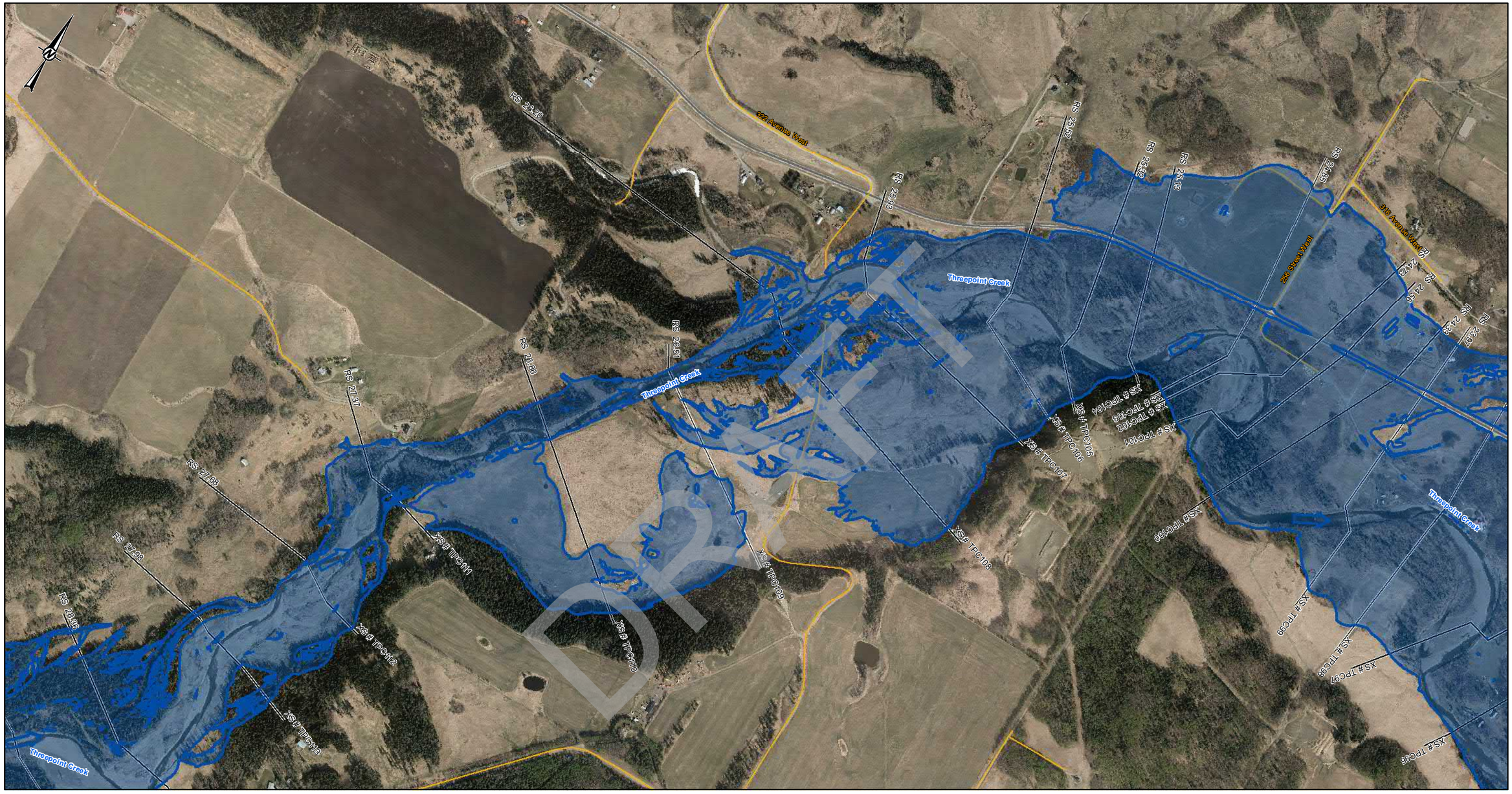
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



LEGEND

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- XS#110 CROSS SECTION NUMBER
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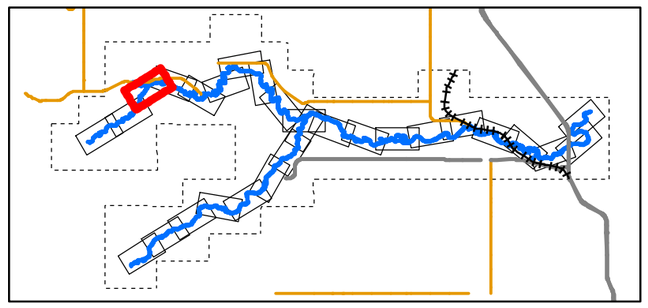
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 496 m^3/s
THREEPOINT CREEK= 1040 m^3/s (DS- RS 25.93)



0 50 100 200 300 400
1:10,000 METRES

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SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 21 of 28

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

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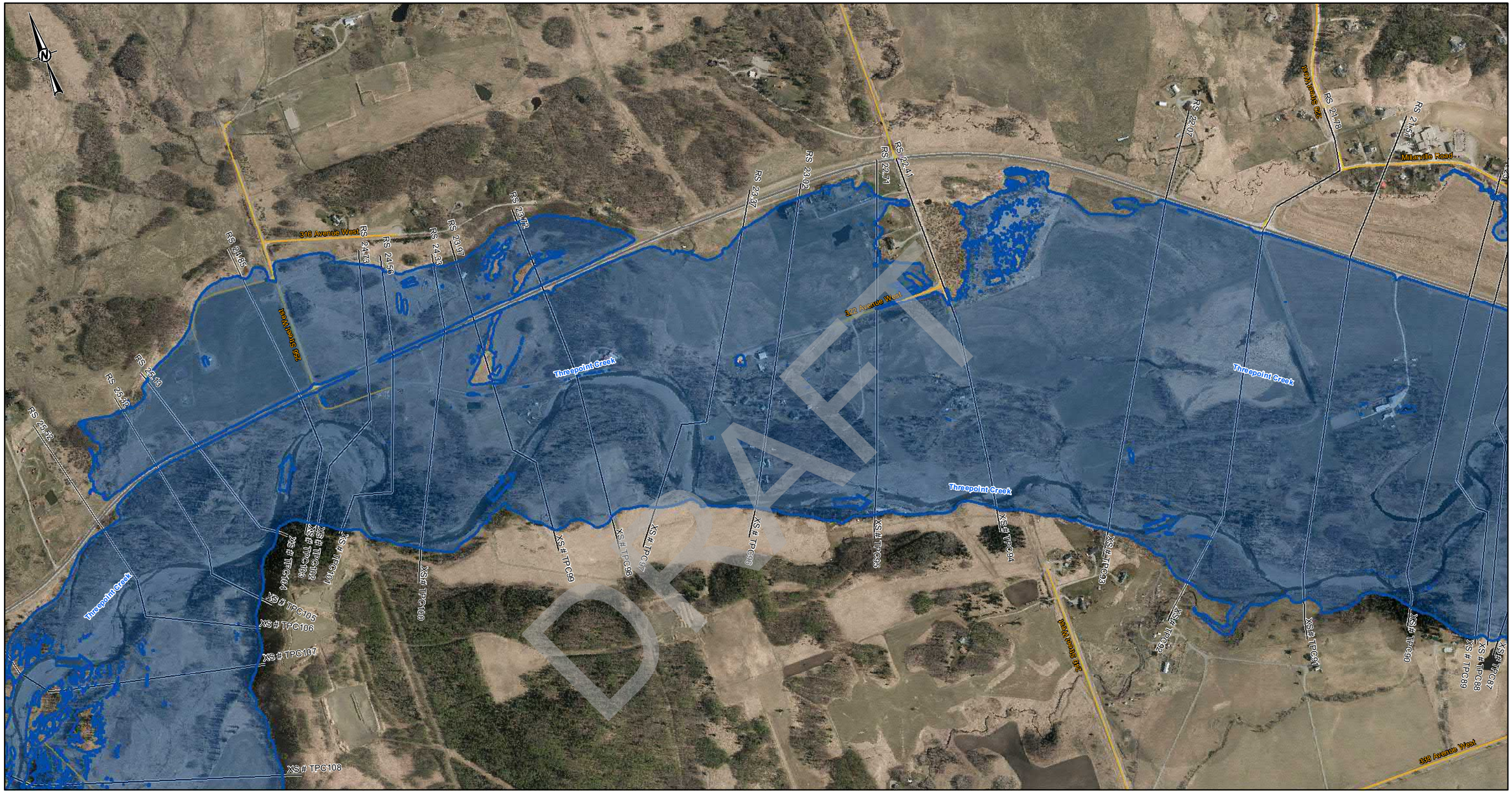
C:\Projects\Projects\WATERPOWER\12345\SPECIALIST_APPS\EP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

Classification: Public

SHEET 21 ↑

SHEET 23 ↑



DRAFT

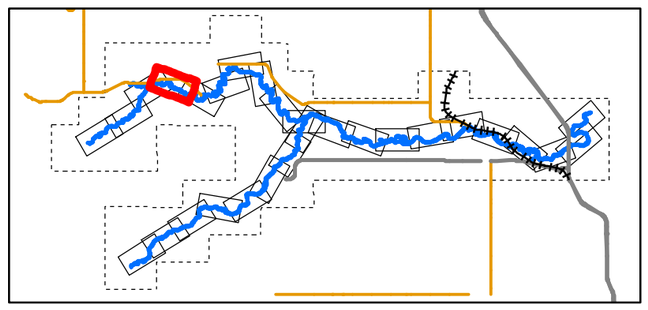
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1040 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 22 of 28

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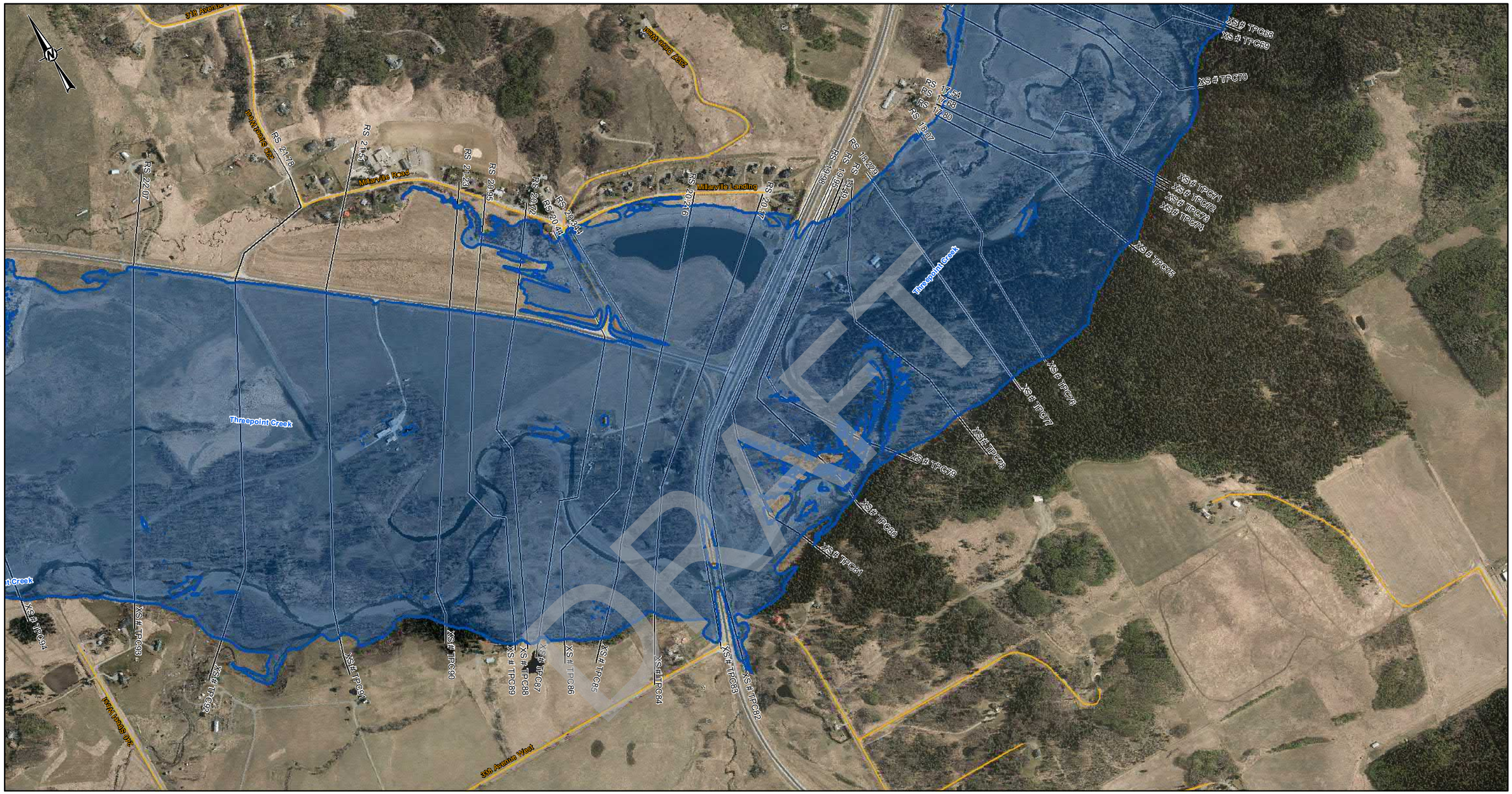
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



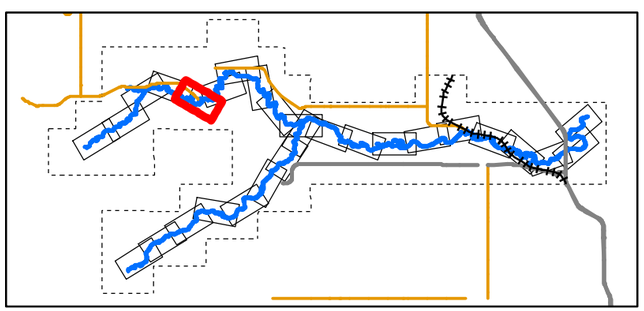
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1040 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 23 of 28

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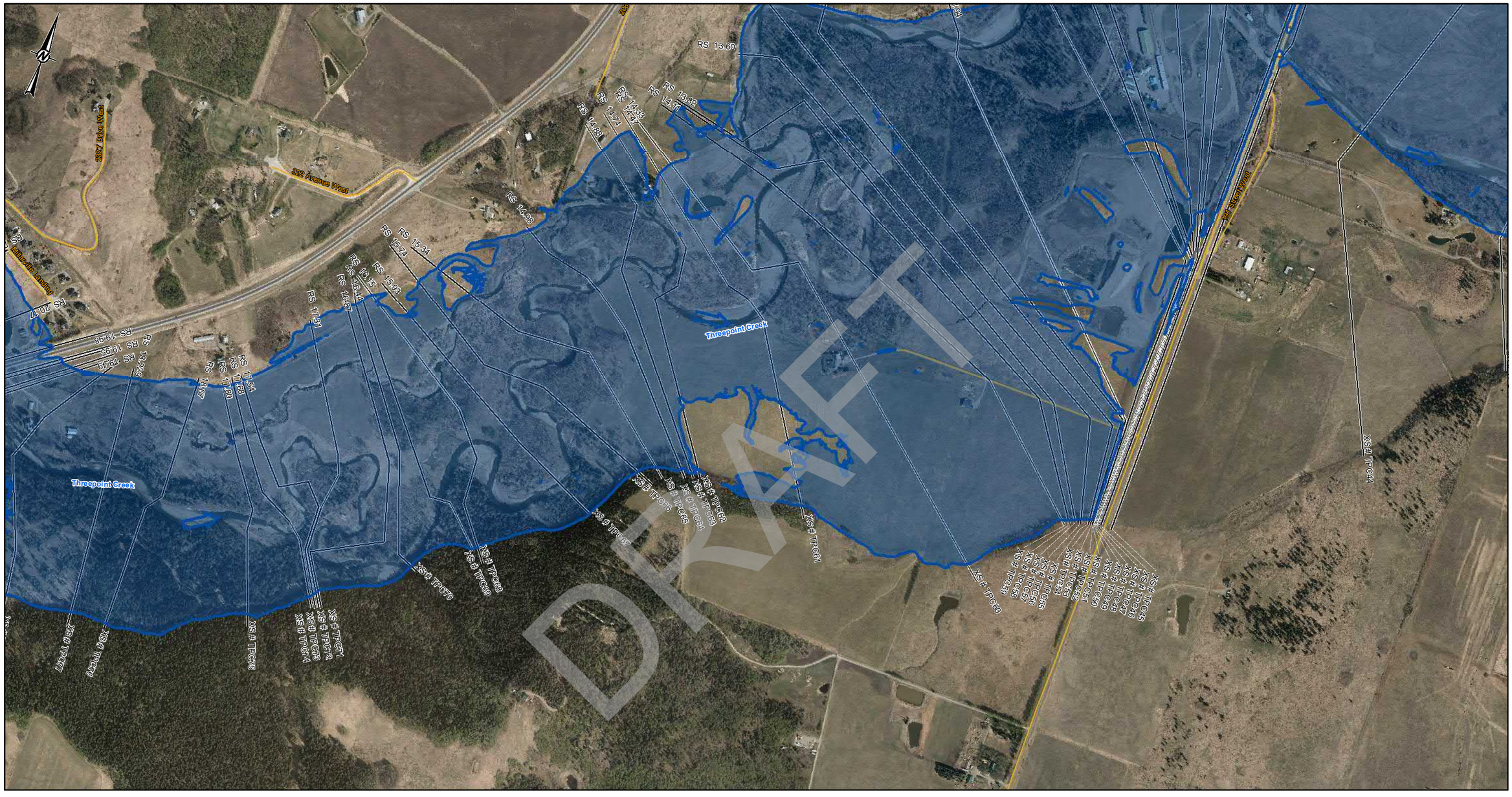
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



DRAFT

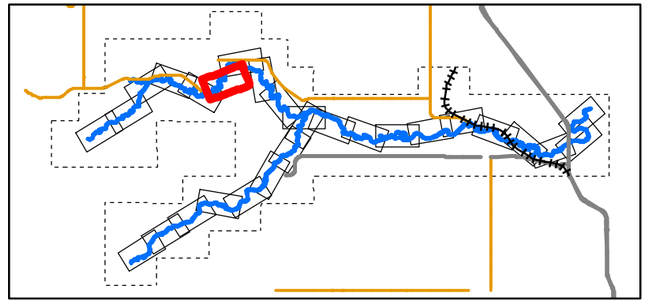
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1040 m^3/s
THREEPOINT CREEK= 1300 m^3 (DS- RS 14.98)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 24 of 28

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

0 25mm

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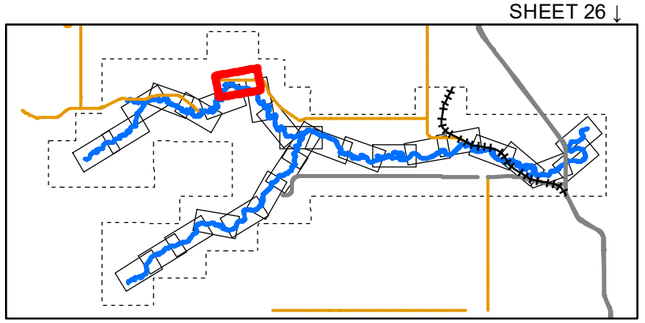
Classification: Public

SHEET 24 ↑

SHEET 26 ↓



LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1300 m^3/s

0 50 100 200 300 400
1:10,000 METRES

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Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 25 of 28

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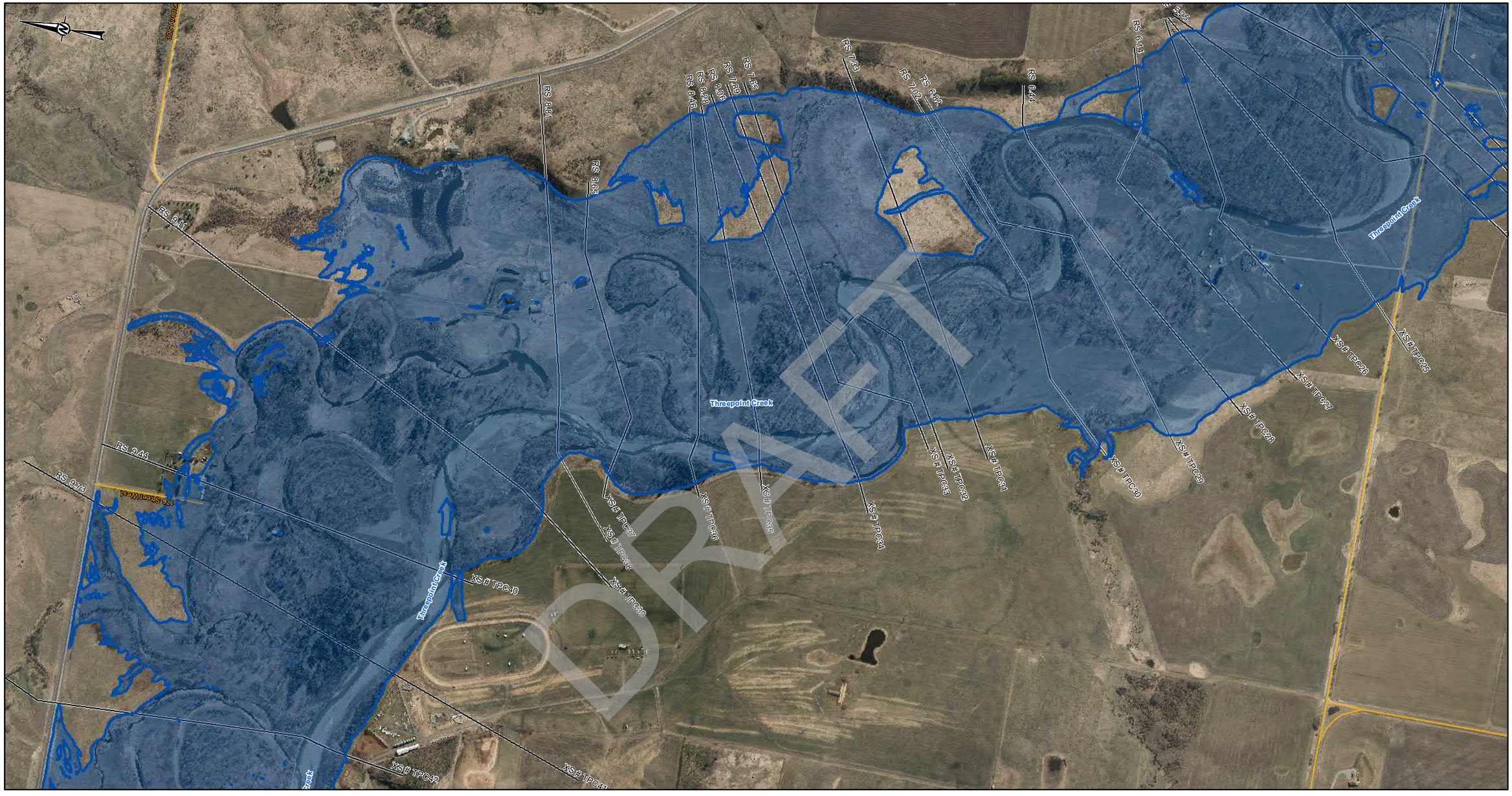
Classification: Public

SHEET 25 ↑

SHEET 27 ↑



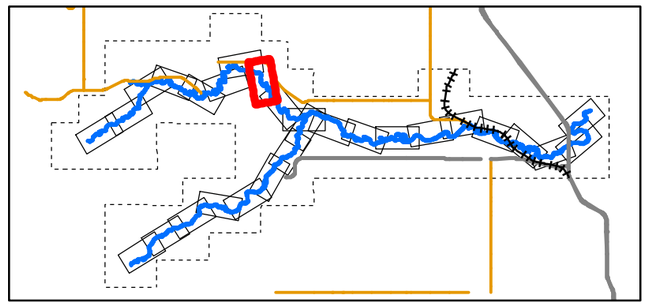
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1300 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 26 of 28

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Classification: Public

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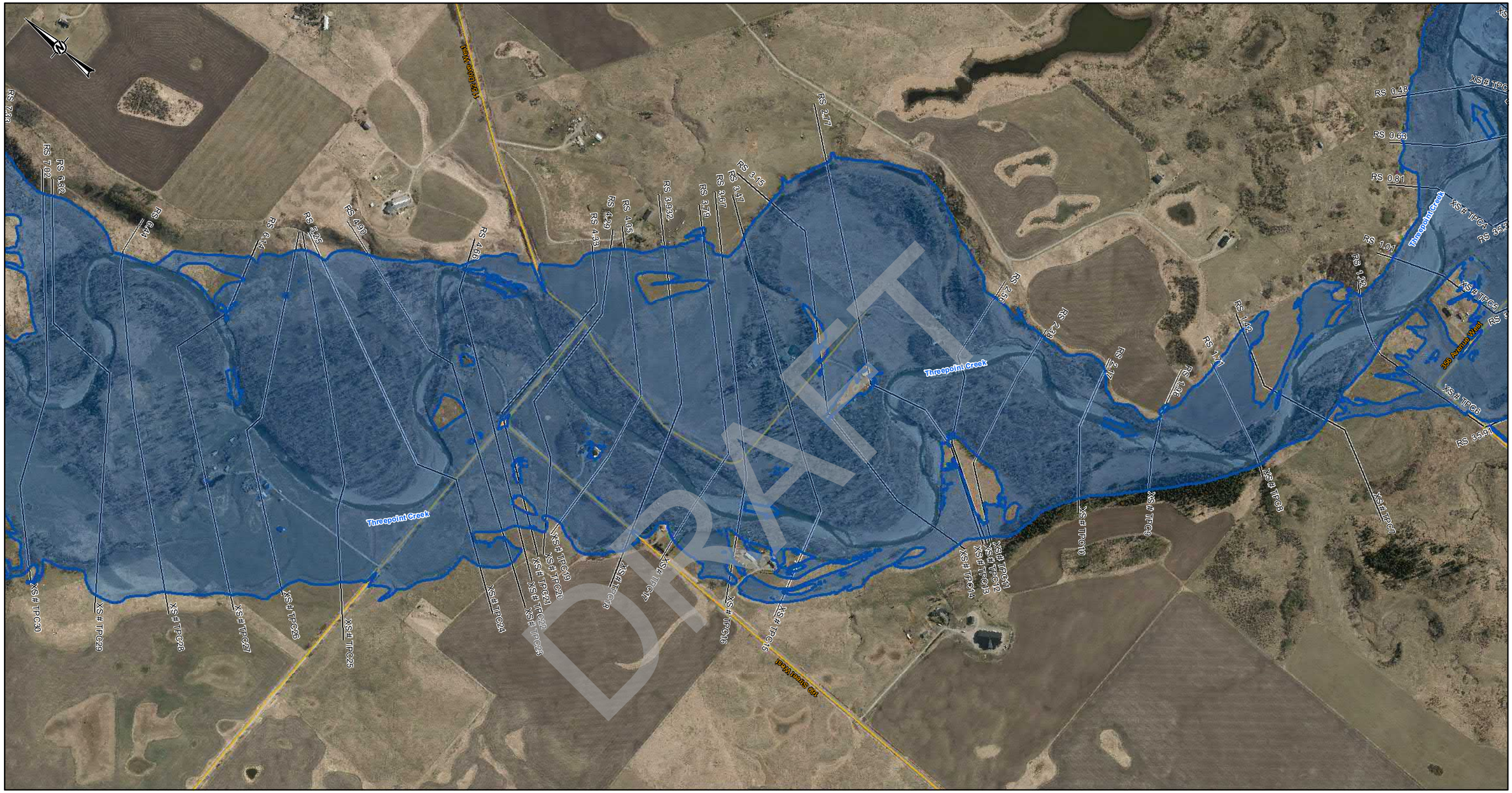
SHEET 26 ↑

SHEET 28 ↑



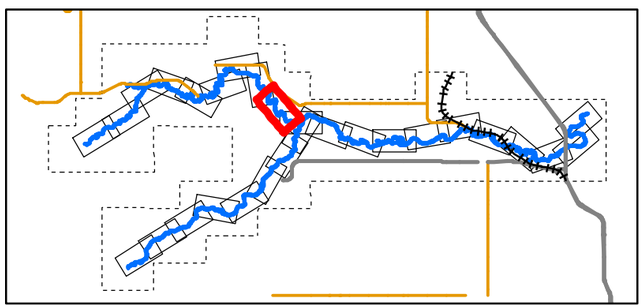
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1300 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 27 of 28

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

25mm

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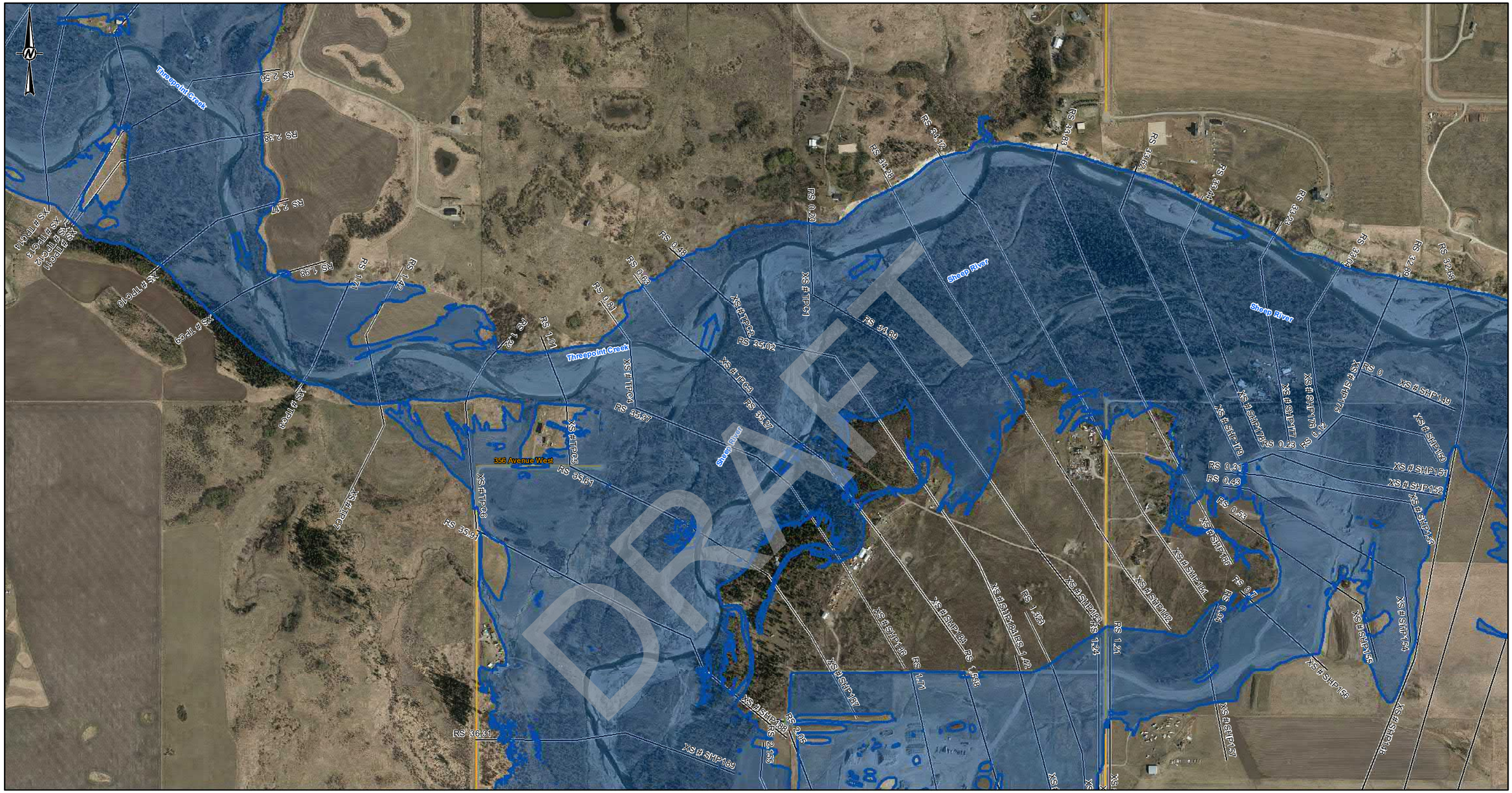
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



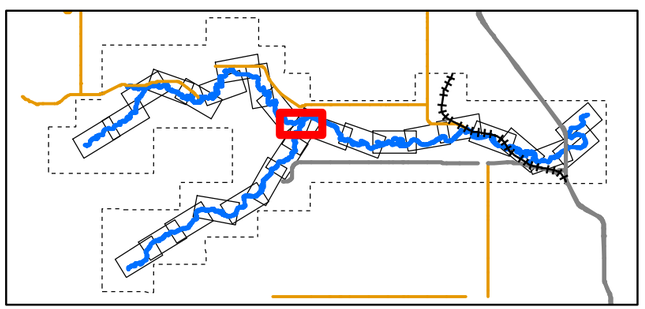
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

750-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1300 m ^{3}/s
SHEEP RIVER= 1720 m^3/s
SHEEP RIVER= 3020 m ^{3}/s (DS- RS 34.28)



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
750- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0012-3333	0	Sheet 28 of 28

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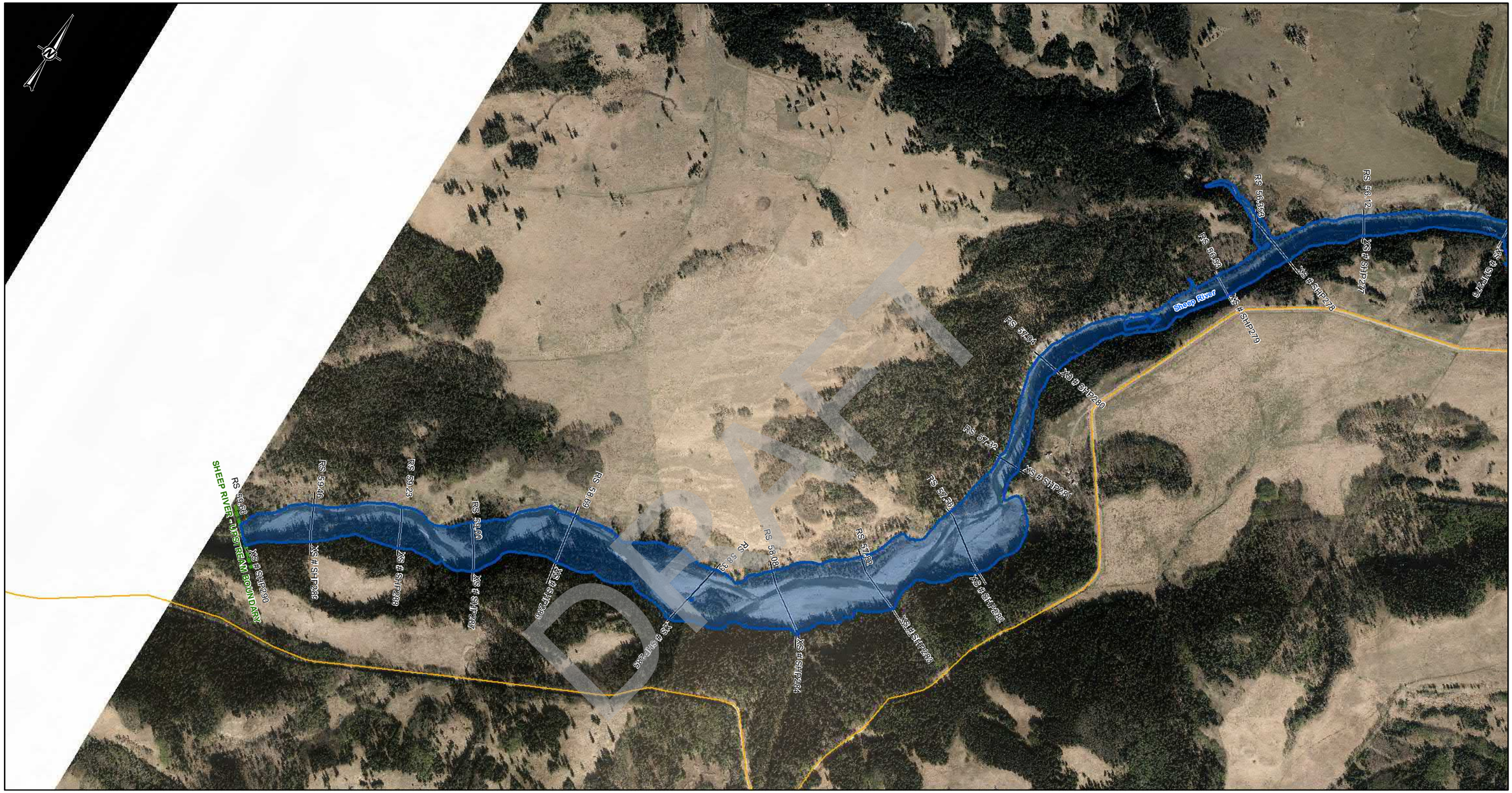
Classification: Public

1000-YEAR FLOOD INUNDATION EXTENT

Sheets 1-28

DRAFT



SHEET 2 ↑

DRAFT

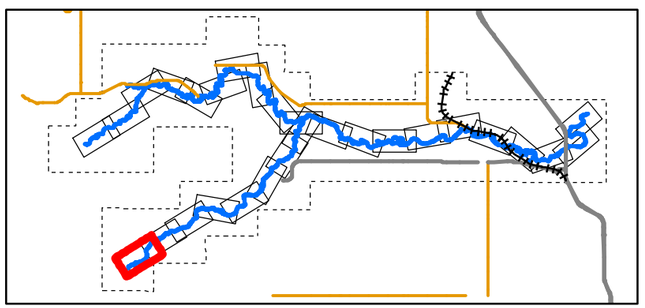
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1900 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 1 of 28

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

25mm

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Classification: Public

SHEET 1 ↑

SHEET 3 ↑

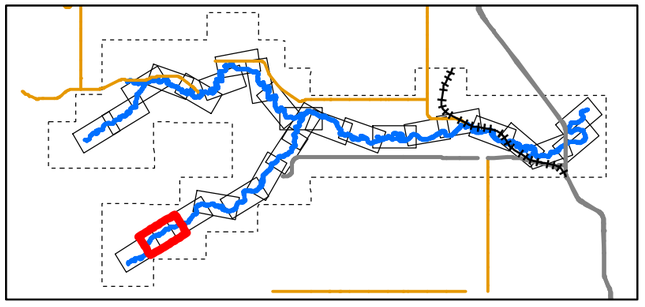
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1900 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 2 of 28

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25mm
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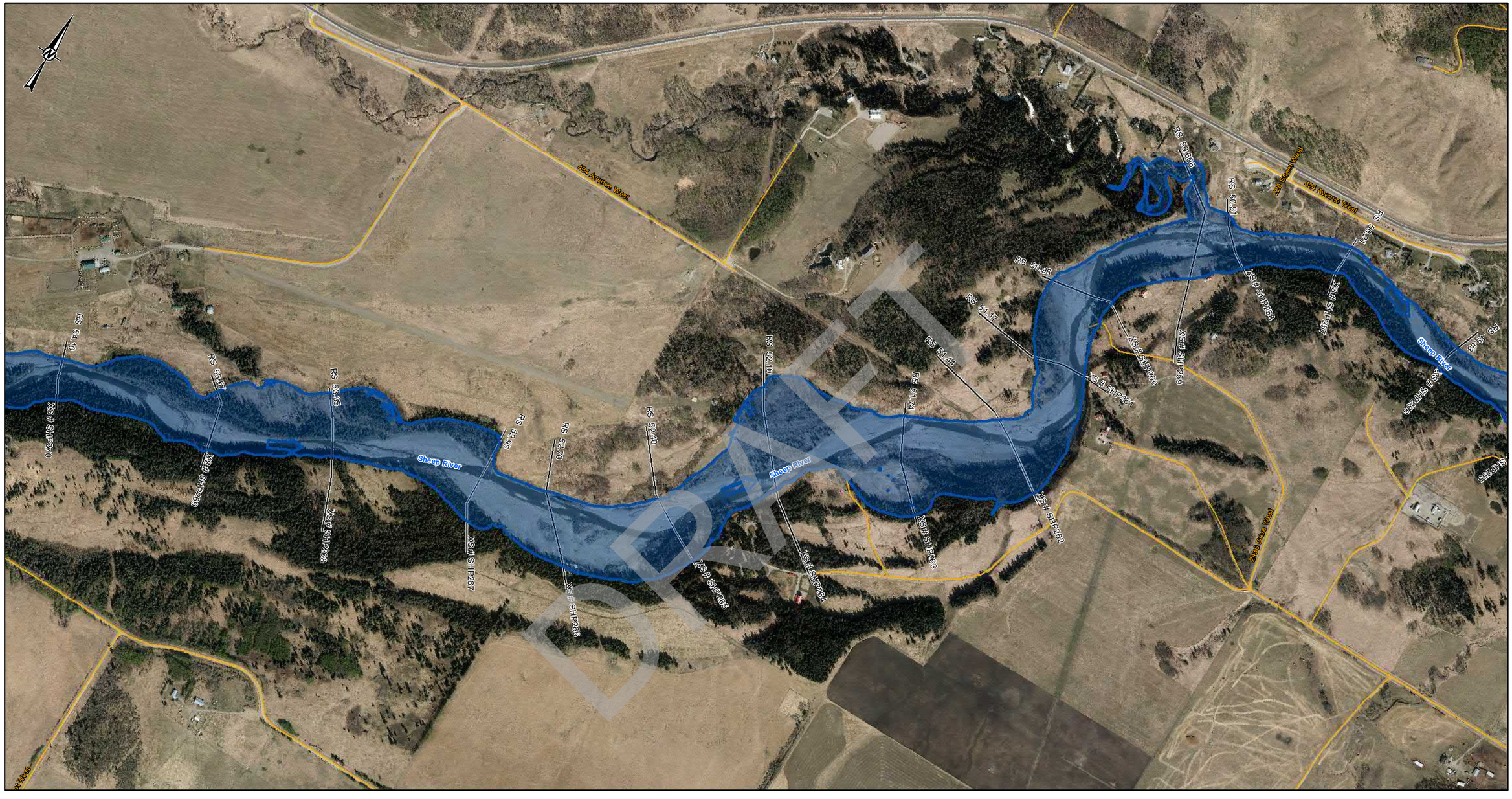
Classification: Public

SHEET 2 ↑

SHEET 4 ↑



LEGEND

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- XS#110 CROSS SECTION NUMBER
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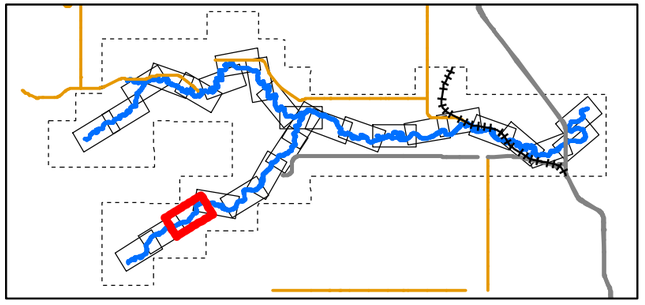
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1900 m^3/s



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TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 3 of 28

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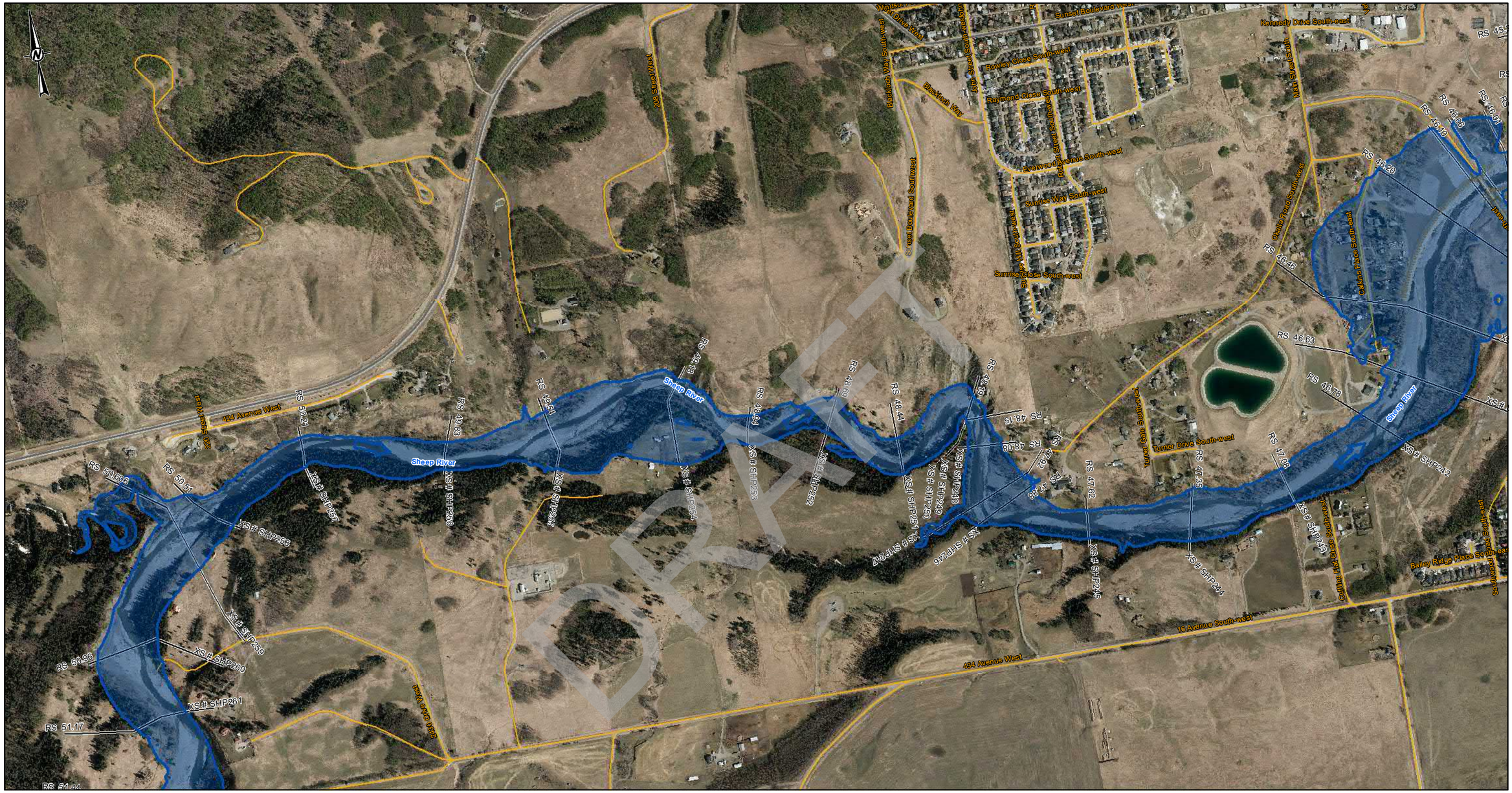
Classification: Public

SHEET 3 ↑

SHEET 5 ↑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XS # SHP263
XS # SHP262
XS # SHP261
XS # SHP260
XS # SHP259
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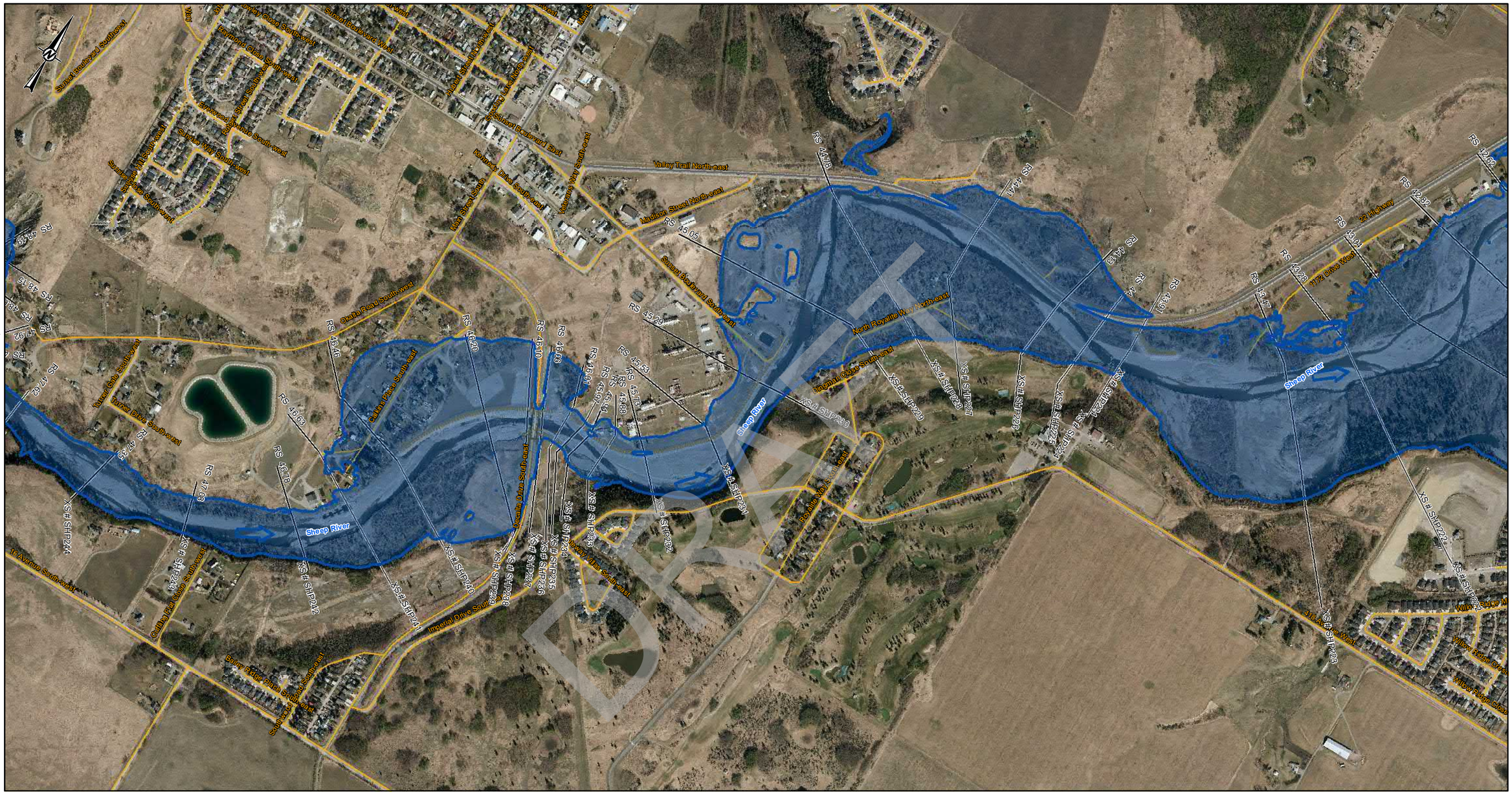
XS # SHP242
RS 51.44
RS 51.17
RS 50.96
RS 50.51
RS 50.06
RS 49.63
RS 49.41
RS 49.19
RS 48.96
RS 48.74
RS 48.41
RS 48.15
RS 47.93
RS 47.82
RS 47.71
RS 47.60
RS 47.49
RS 47.38
RS 47.26
RS 47.09
RS 46.97
RS 46.86
RS 46.75
RS 46.63
RS 46.46
RS 46.20
RS 46.09
RS 45.97
RS 45.86
484 Avenue West
10 Avenue South-west
Turner Drive South-west
Sunset Boulevard West
Kennedy Drive South-east
Mill Street South
Raymond Close South-west
Evergreen Avenue South-west
Sunrise Way South-west
Sunrise Close South-west
Sierra Road South-west
Cellars Place South-west
Bailey Ridge Place South-west
Bailey Ridge Close South-west
Bailey Ridge Crescent South-west
Blackfoot Way
Windsor Park Drive West
Windsor Park Drive West
Windsor Park Crescent West
Fence
Fence
Fence

SHEET 6 ↑

SHEET 4 ↑


Sheep River
Valley Trail North-east
Madison Street North-east
Sunset Boulevard South-east
North Royalite Way North-east
Okotoks Road South-west
Oakbrae Place South-west
Imperial Drive South-west
Bonaire Drive South-east
Royalite Way South-east
Willow Ridge Drive
Willow Ridge Close
22 Highway
117 Drive West
417A Drive West
Cowboy Trail South-west
Bailey Ridge Place South-west
Southwest Ridge Drive South-west
Sunset Boulevard South-west
Sunset Boulevard West
Sunset Way South-west
Sunset Close South-west
Sunset Crescent South-west
Sunset Drive South-west
Sunset Way South-west
Hazel Dell Crescent South-west
Hazel Dell Drive South-west
Hazel Dell Place South-west
Hazel Dell Way South-west
Hazel Glen South-west
Hazel Glen Way South-west
Hazel Dell Close South-west
Hazel Dell Green South-west
Hazel Dell Mews South-west
Hazel Dell Rise South-west
Hazel Dell Terrace South-west
Hazel Dell View South-west
Hazel Dell Villas South-west
Hazel Dell Vista South-west
Hazel Dell Walk South-west
Hazel Dell Way South-west
Hazel Dell Wynd South-west
Hazel Glen Close South-west
Hazel Glen Crescent South-west
Hazel Glen Drive South-west
Hazel Glen Green South-west
Hazel Glen Mews South-west
Hazel Glen Rise South-west
Hazel Glen Terrace South-west
Hazel Glen View South-west
Hazel Glen Villas South-west
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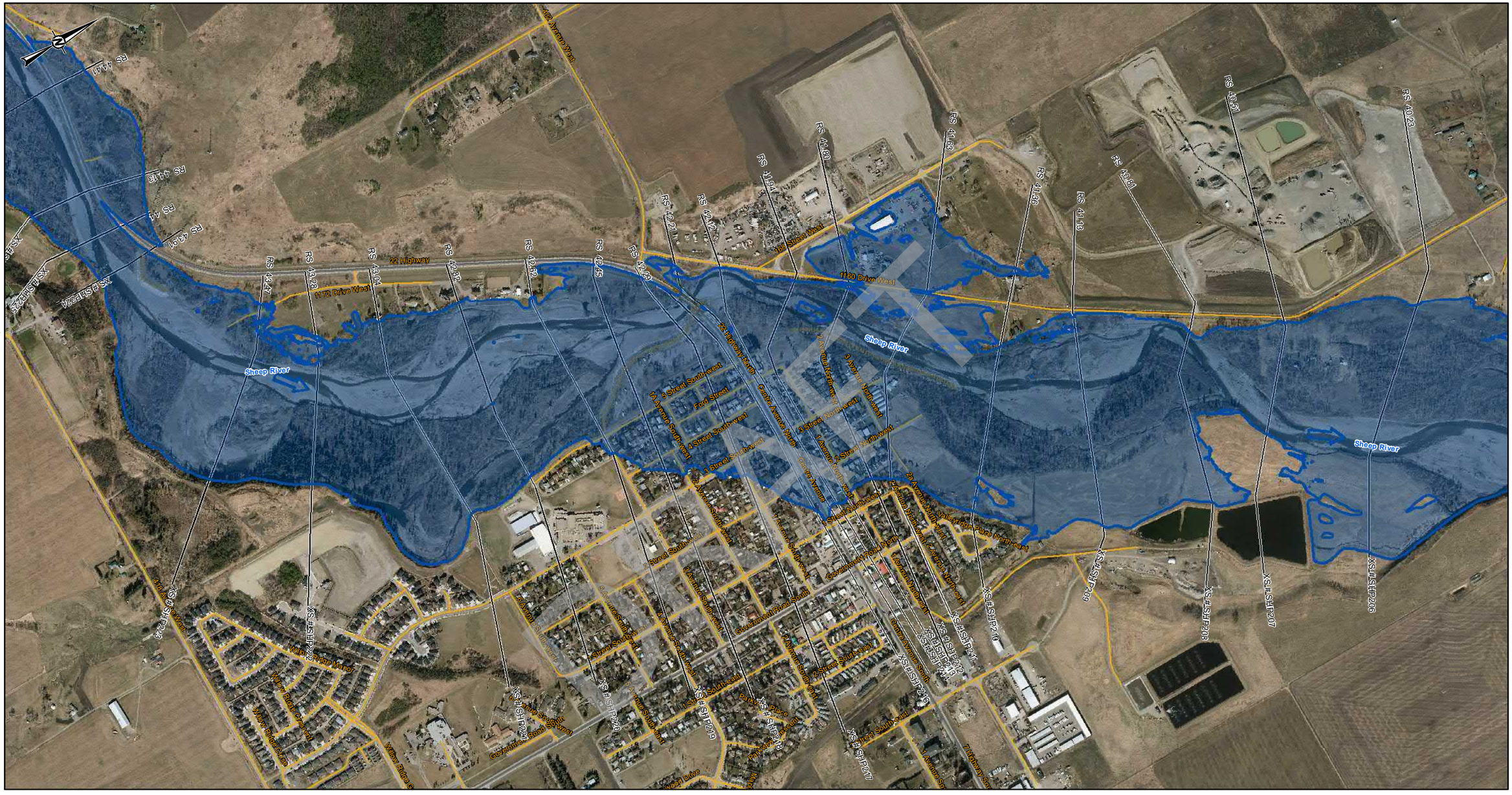
Hazel Glen Walk South-west
Hazel Glen Wynd South-west
Hazel Glen Way

SHEET 5 ↑

SHEET 7 ↑



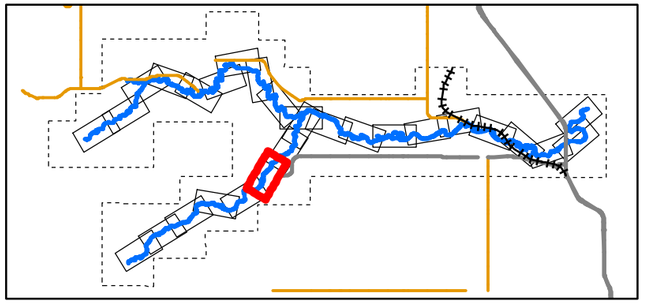
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1900 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 6 of 28

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Classification: Public

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SHEET 8 ↑

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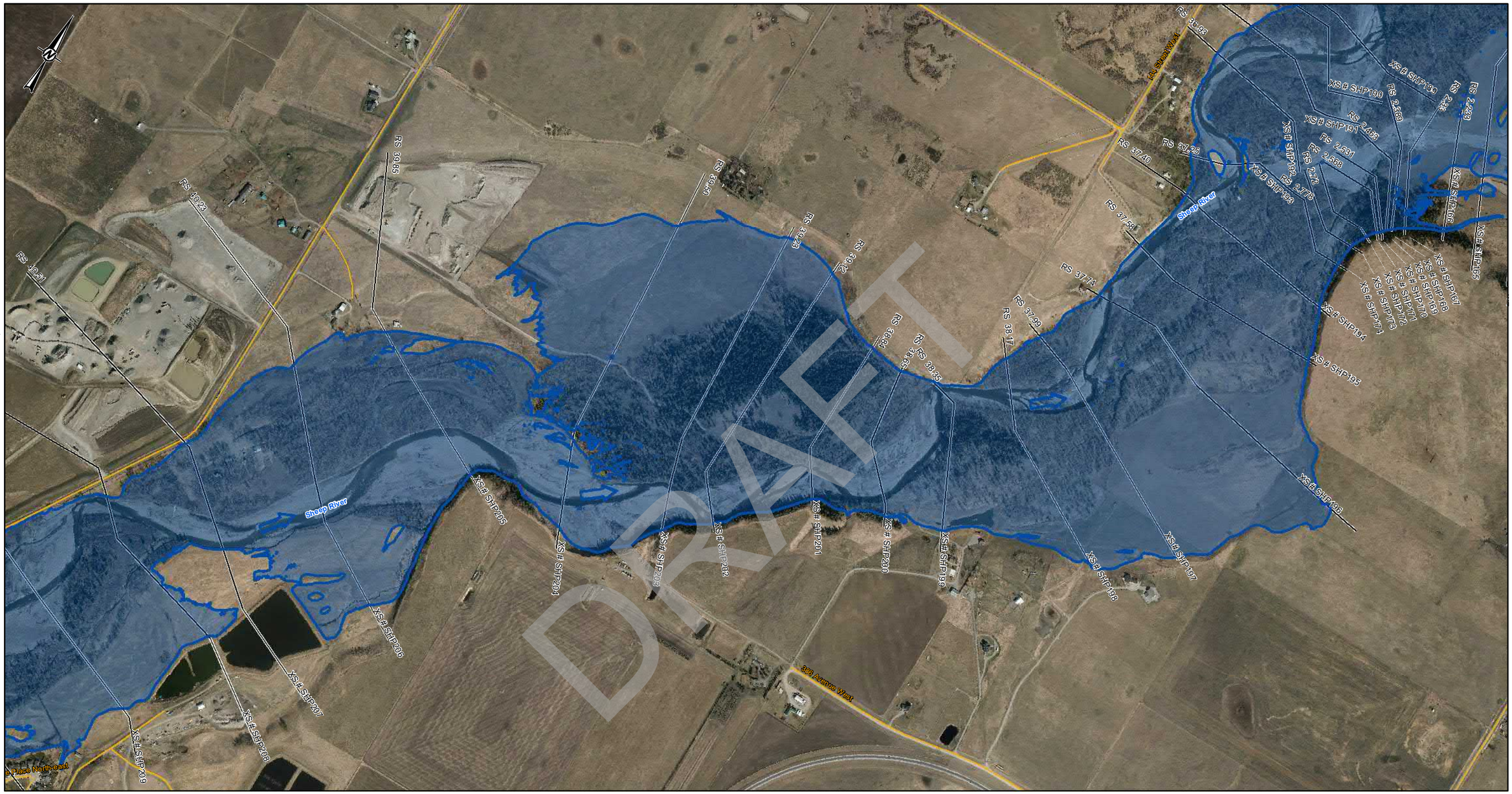


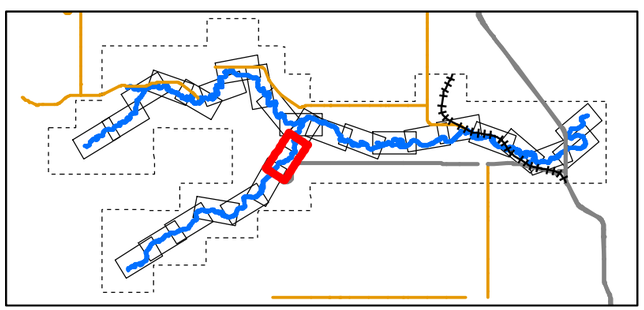
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 1900 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 7 of 28

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

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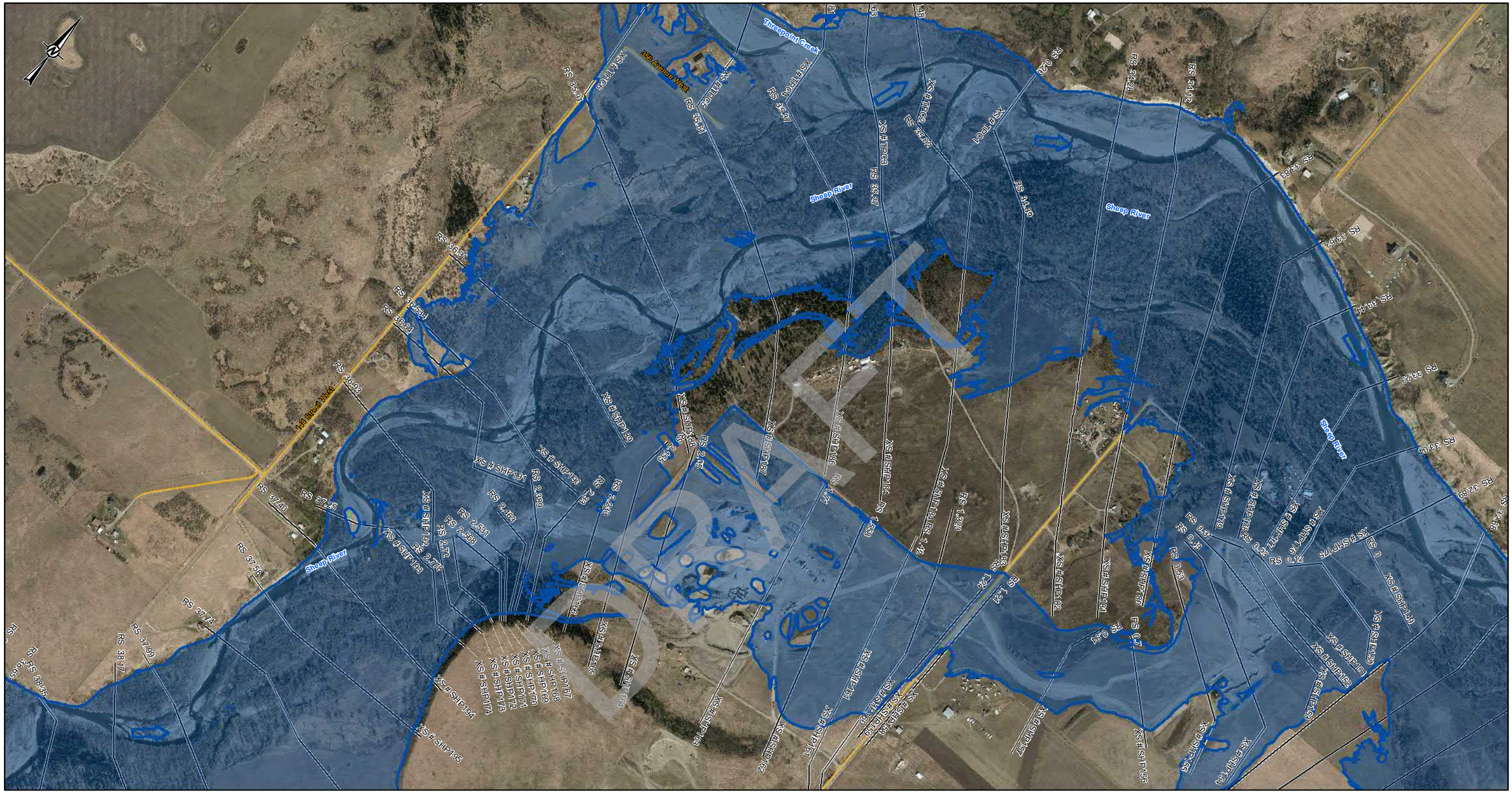

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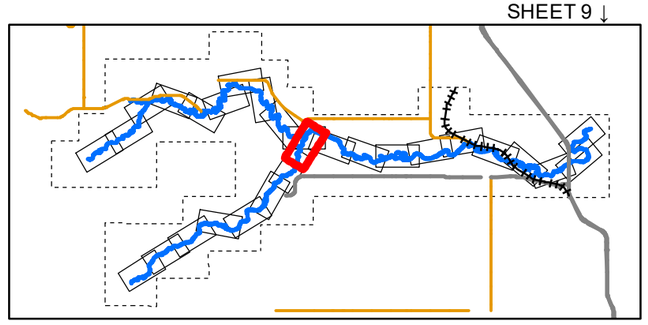

LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1430 m ³/s
SHEEP RIVER= 1900 m³/s
SHEEP RIVER= 3330 m ³/s (DS- RS 34.28)

0 50 100 200 300 400
1:10,000 METRES

CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 8 of 28

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

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Classification: Public

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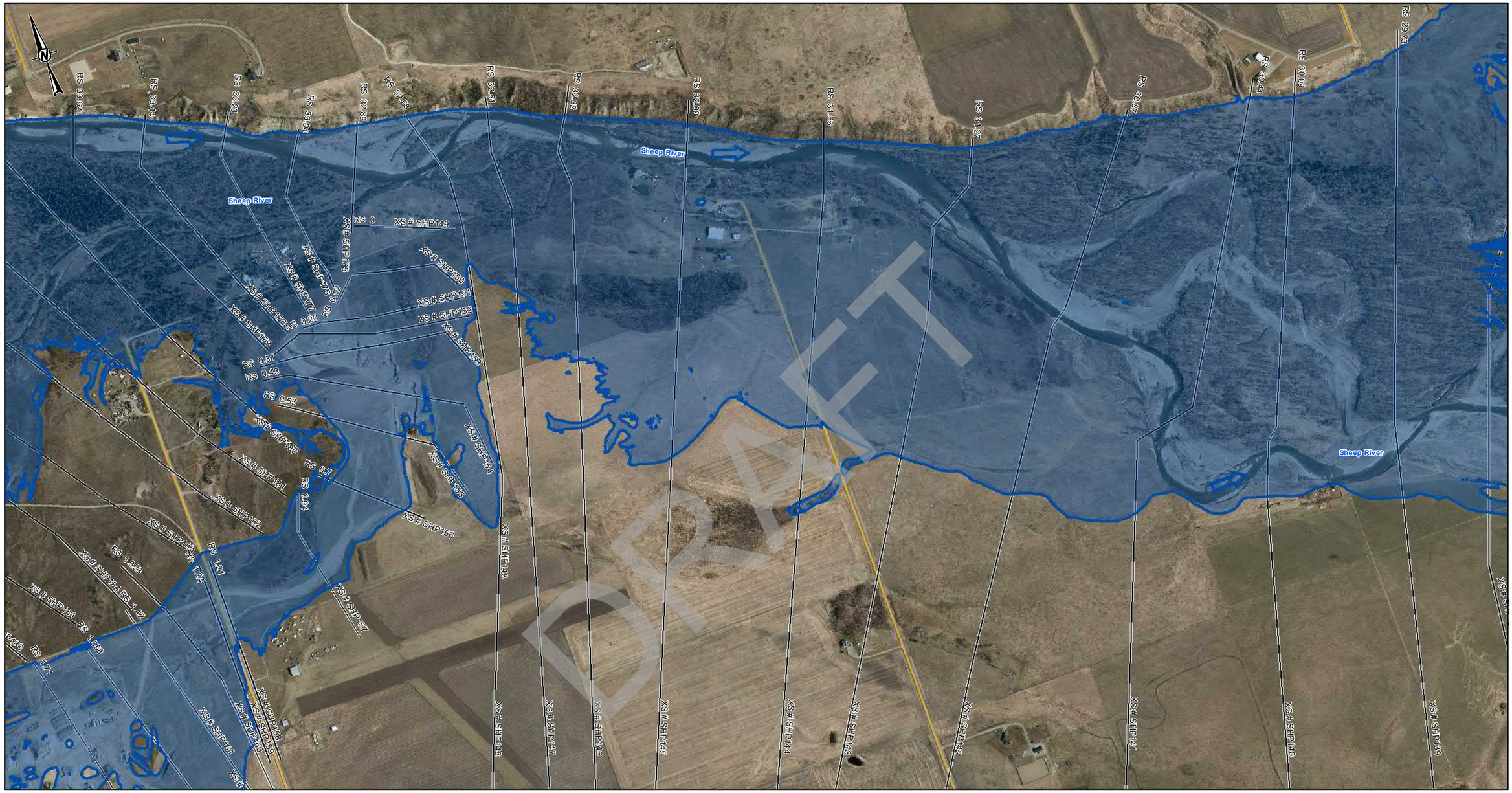
SHEET 10 ↑



DRAFT

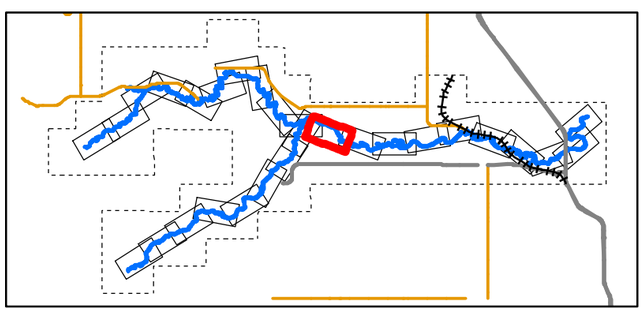
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2620 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 9 of 28

Classification: Public

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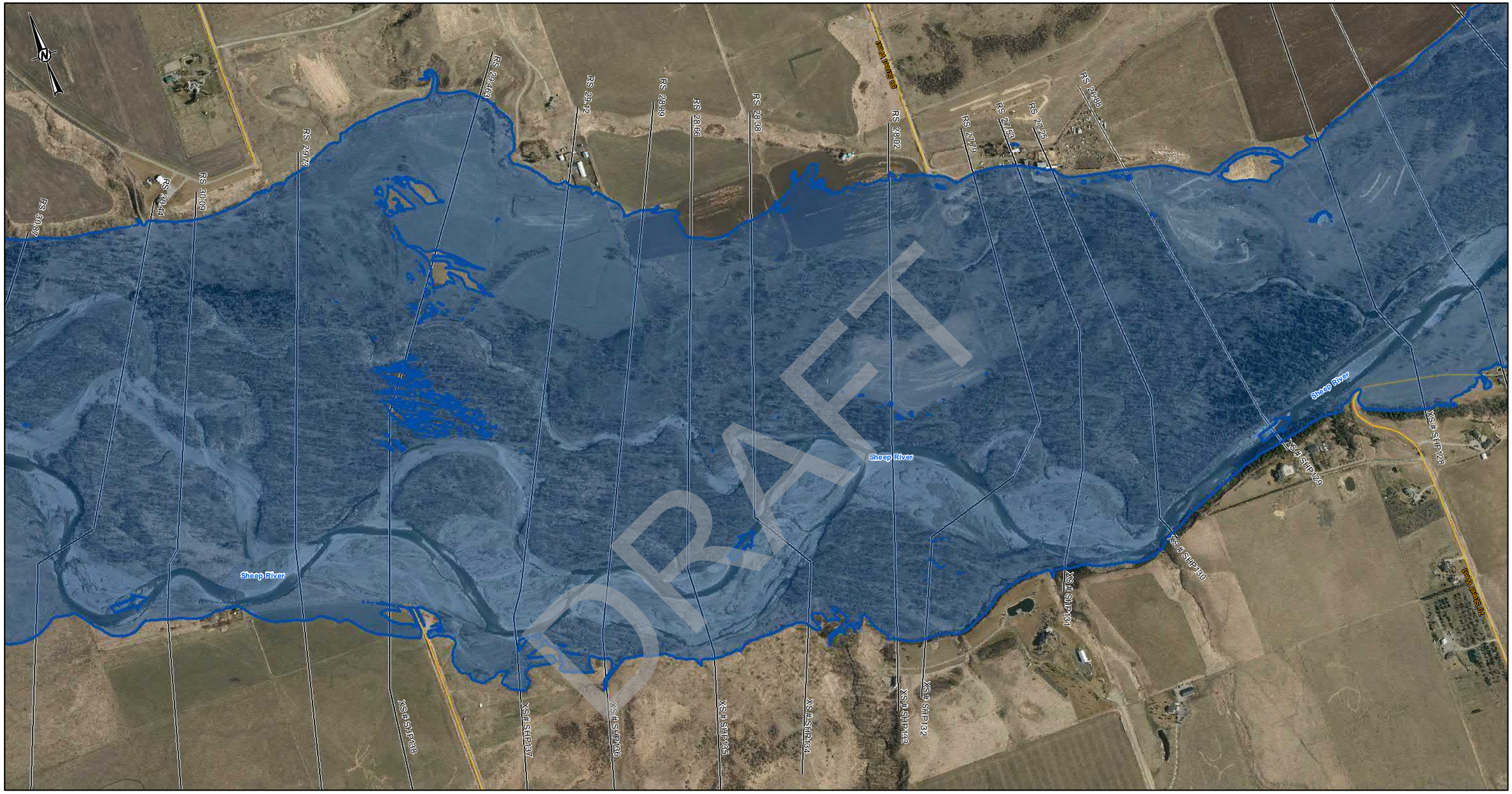

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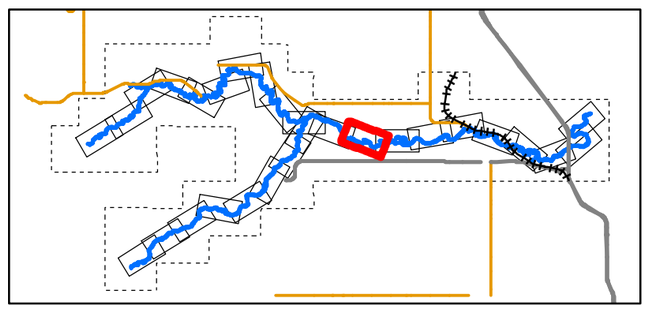
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2620 m^3/s



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Alberta Government

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HATCH

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 10 of 28

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

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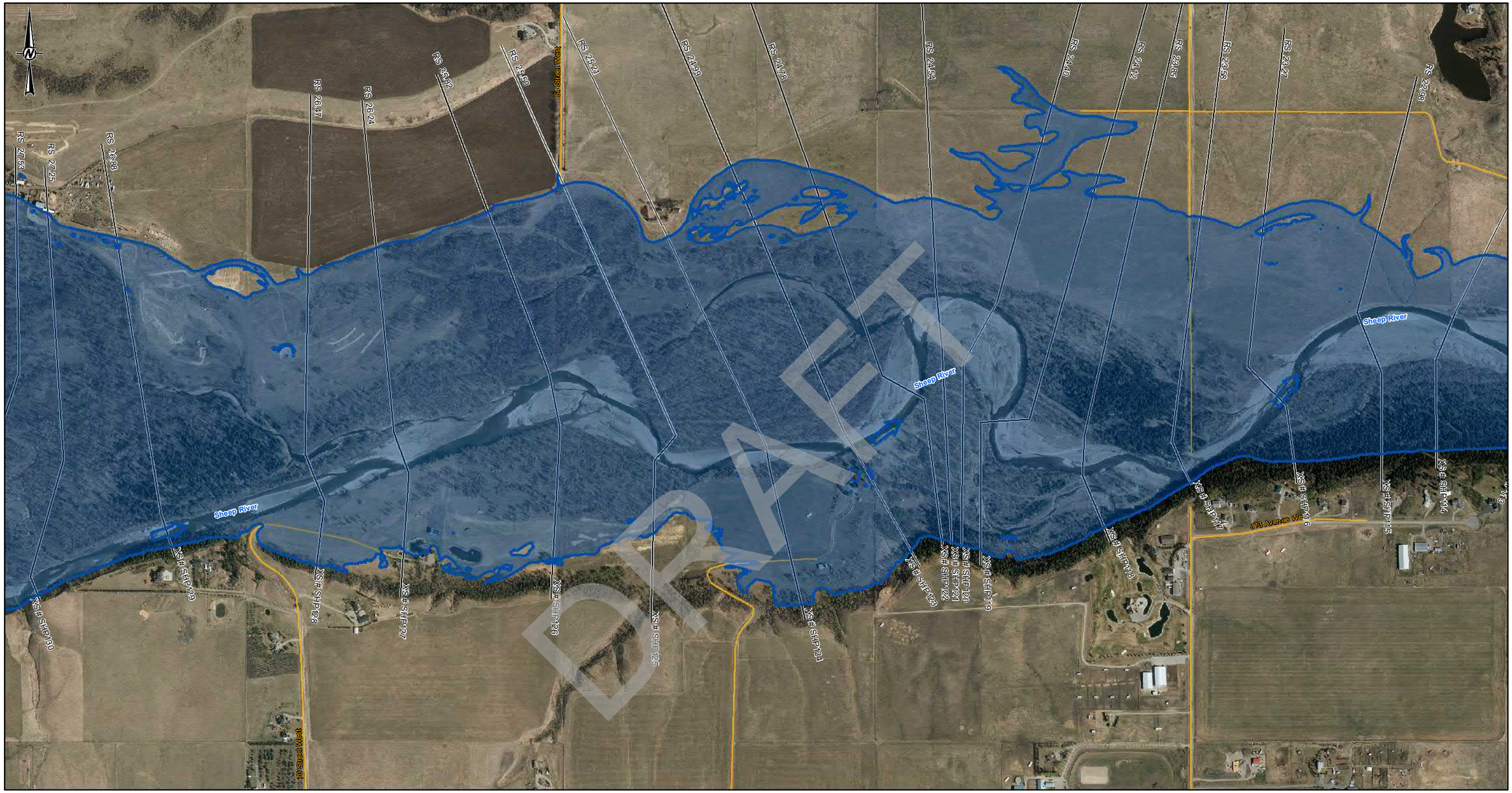

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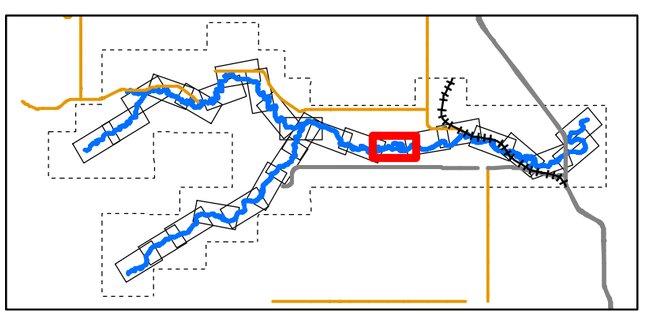
- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2620 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 11 of 28

\\cgyfiles01\projects\WATERPOWER\12455\SPECIALIST_APPS\WEP_SHEEP_RIVER_FHS_2021\OUTBOX-AEP\DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLE_2022

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Classification: Public

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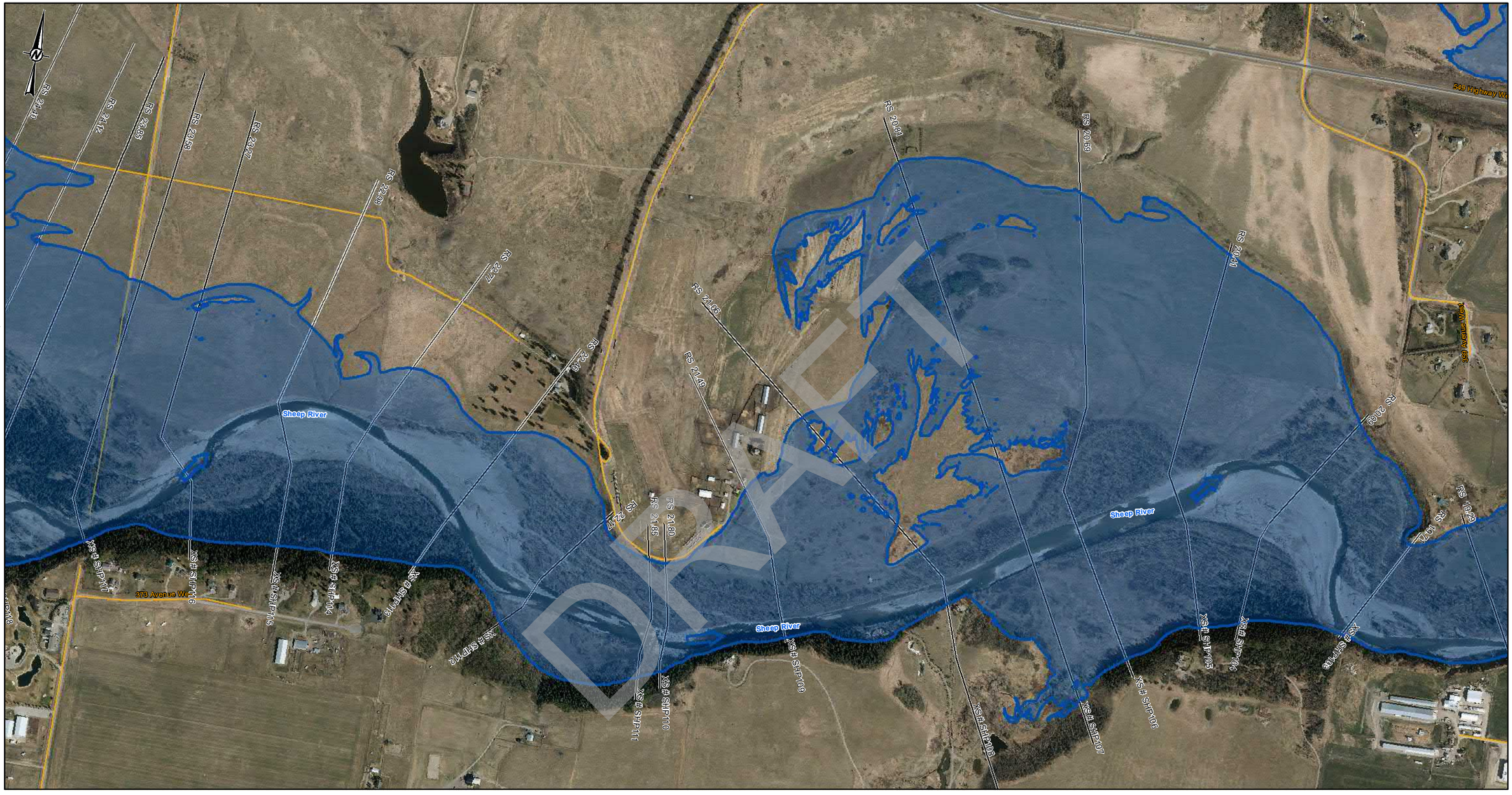

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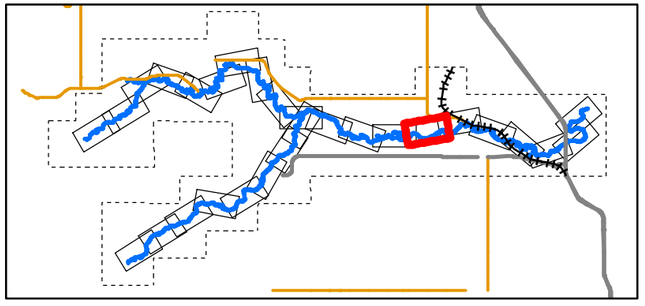
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2620 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 12 of 28

Classification: Public

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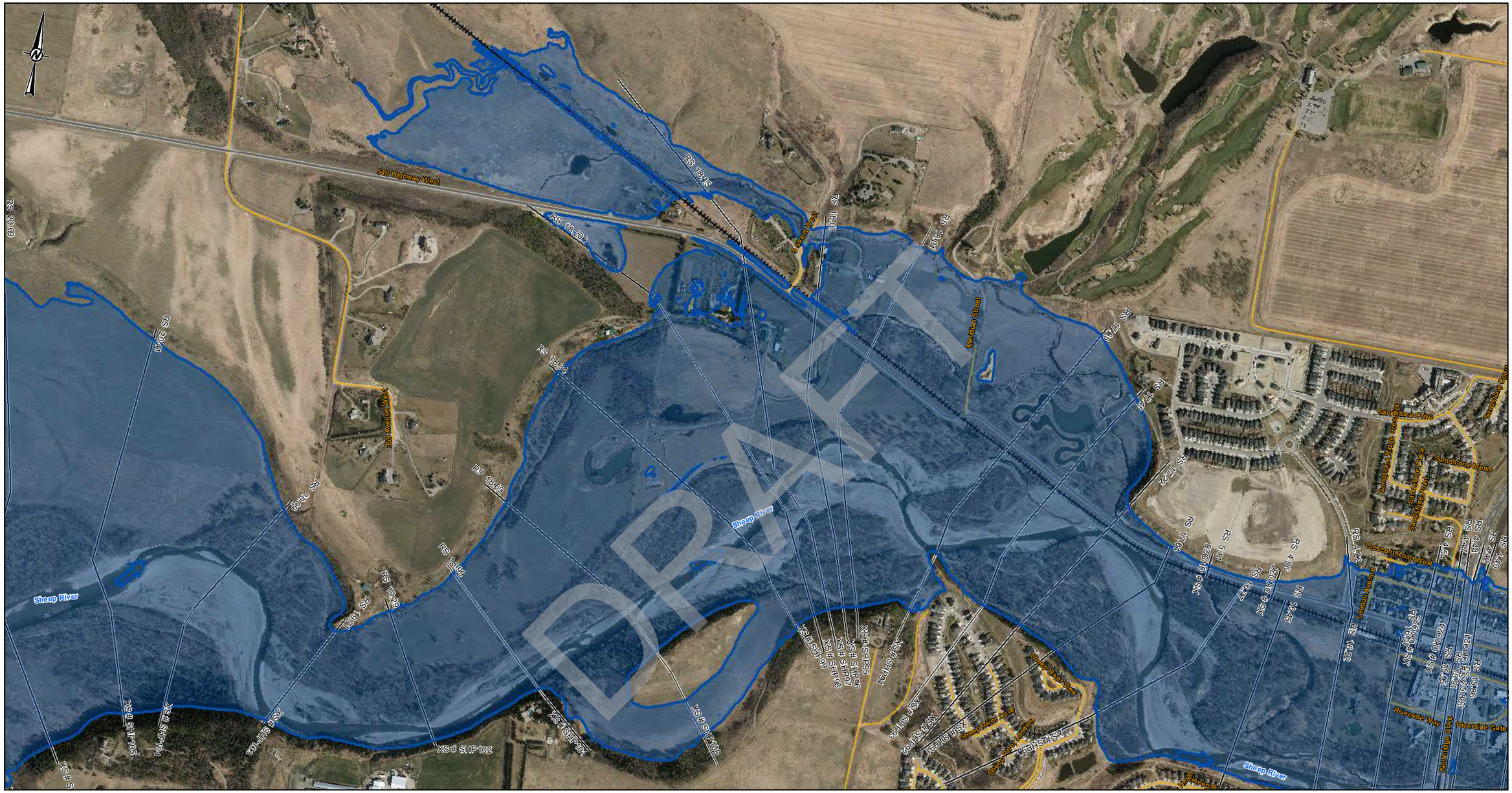

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LEGEND

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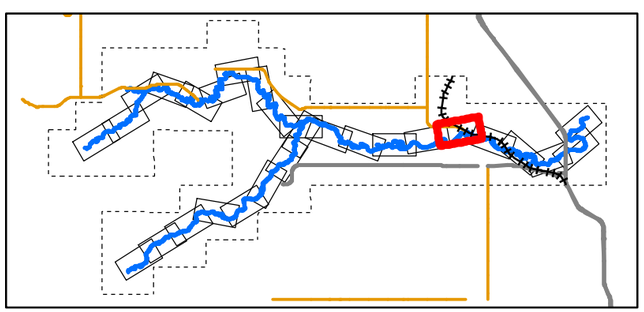
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2620 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 13 of 28

Classification: Public

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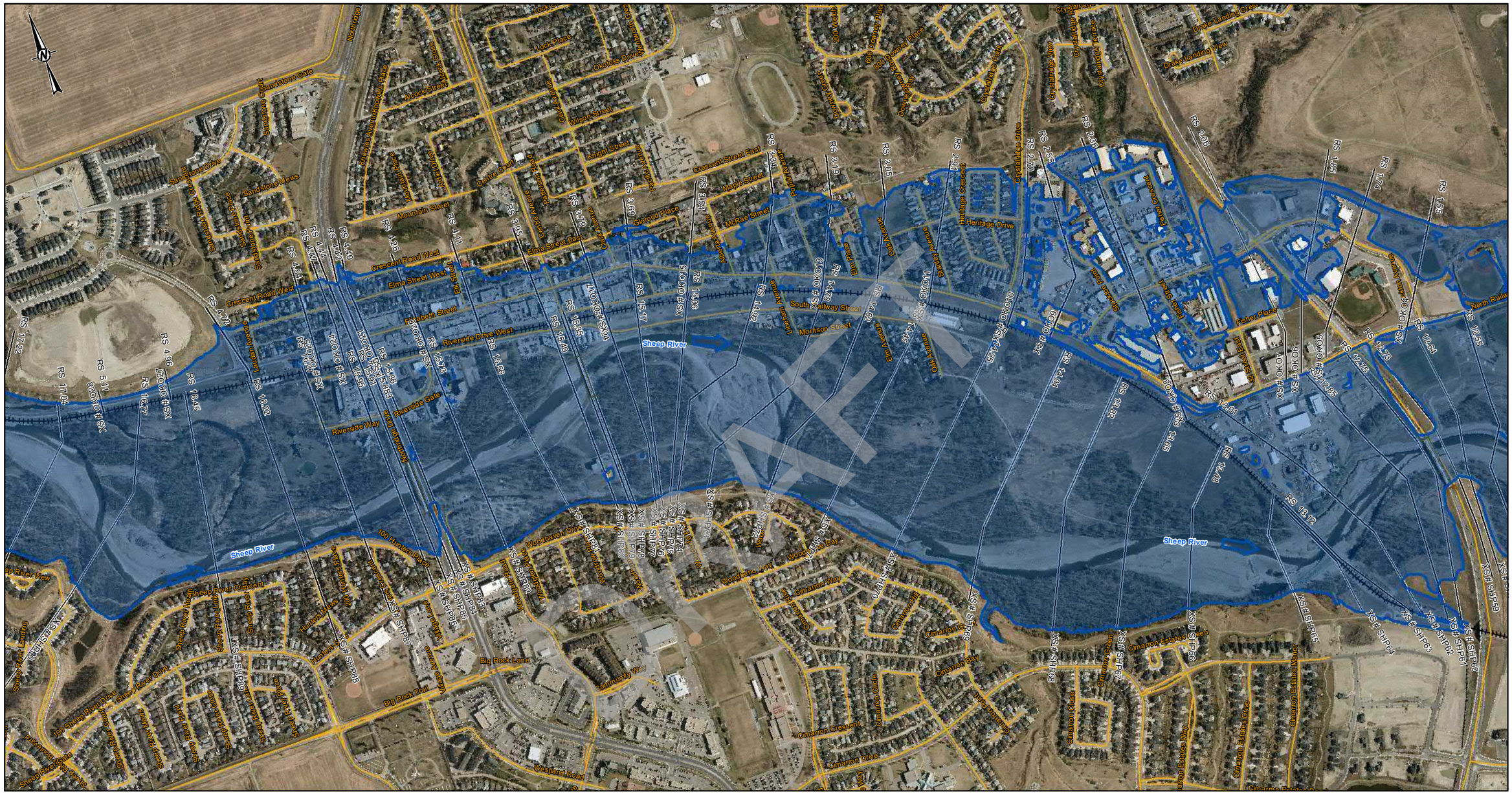
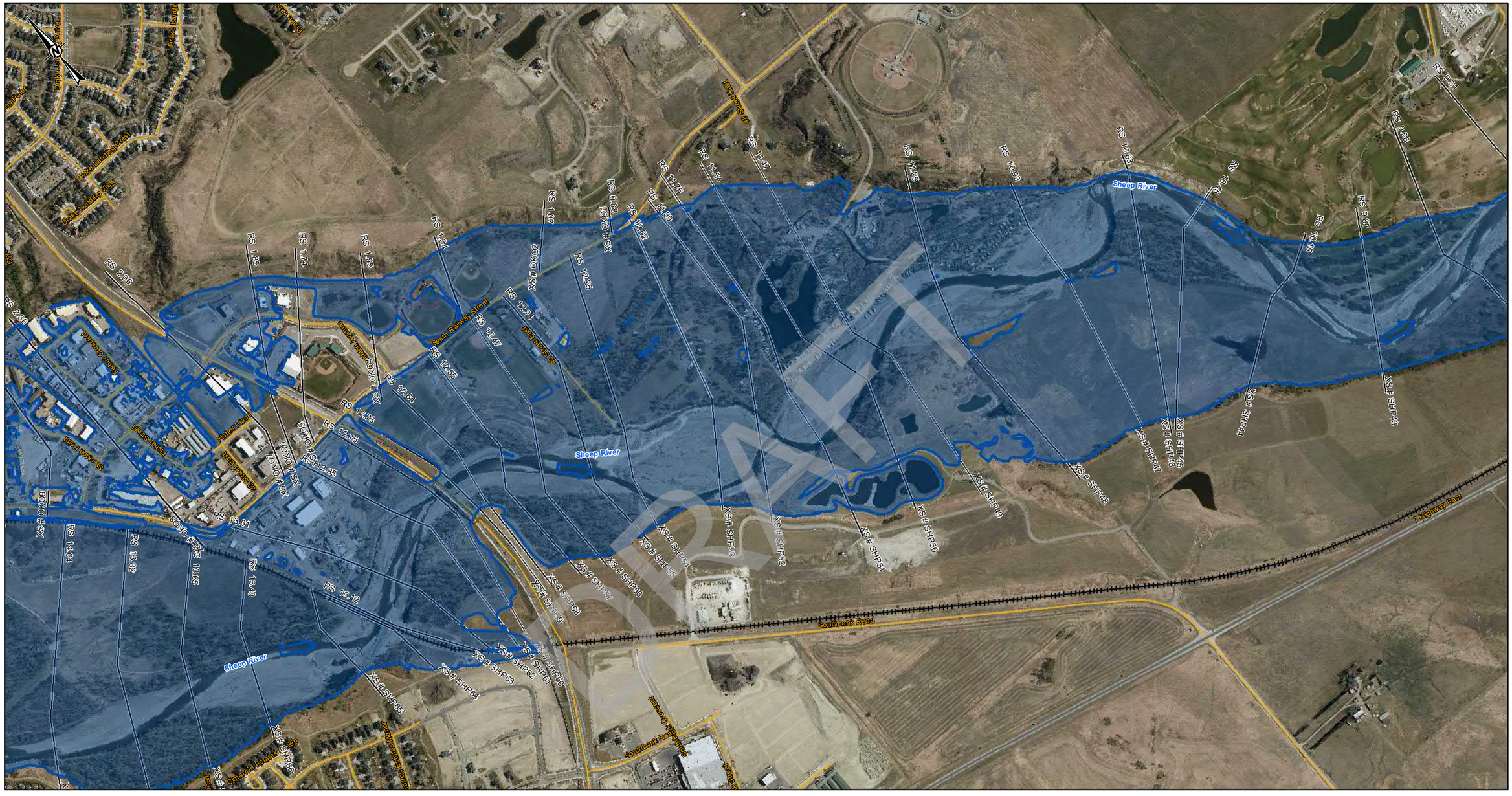

Sheep River
Elma Street West
Crescent Road West
Elizabeth Street
Riverside Drive West
Riverside Gate
Riverside Way
Big Rock Lane
Big Rock Trail
Western Road
Crescent Street East
Mountain Street
Maple Street
McRae Street
Elma Street East
Gleneagle Place
Knight Street
Centre Court
Alcock Street
Mesh Street
Oakview Drive
Oakview Place
Lock Place
Oakview Way
Oakview Crescent
Oakview Terrace
Oakview Heights
Oakview Point
Oakview Manor
Oakview Gate
Oakview Bay
Oakview Circle
Oakview Park
Oakview Rise
Oakview Hill
Oakview Cove
Oakview Green
Oakview Mews
Oakview Parkway
Oakview Parkway Place
Oakview Parkway Gate
Oakview Parkway Terrace
Oakview Parkway Crescent
Oakview Parkway Drive
Oakview Parkway Way
Oakview Parkway Rise
Oakview Parkway Point
Oakview Parkway Manor
Oakview Parkway Heights
Oakview Parkway Green
Oakview Parkway Cove
Oakview Parkway Circle
Oakview Parkway Bay
Oakview Parkway Park
Oakview Parkway Hill
Oakview Parkway Gate
Oakview Parkway Crescent
Oakview Parkway Close
Oakview Parkway Boulevard
Oakview Parkway Avenue
Oakview Parkway Alley
Oakview Parkway Terrace
Oakview Parkway Place
Oakview Parkway Drive

SHEET 14 ↑

SHEET 16 ↑


Sheep River
Sheep River
Sheep River

SHEET 15 ↑

SHEET 17 ↑

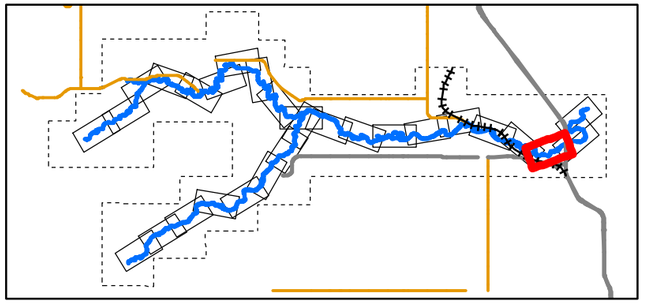
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2750 m³/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 16 of 28

DRAFT

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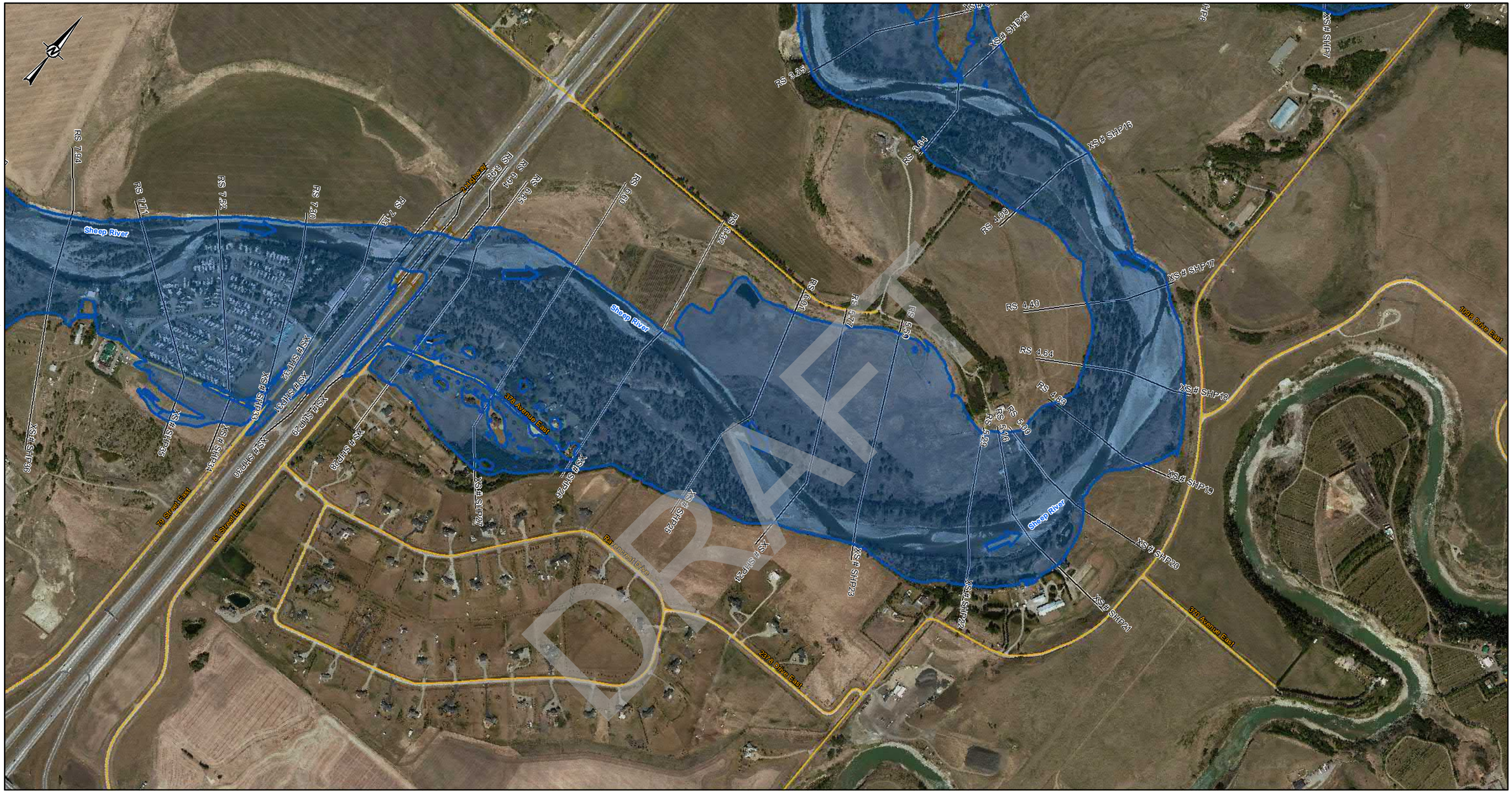
Classification: Public

SHEET 18 ↑

SHEET 16 ↑



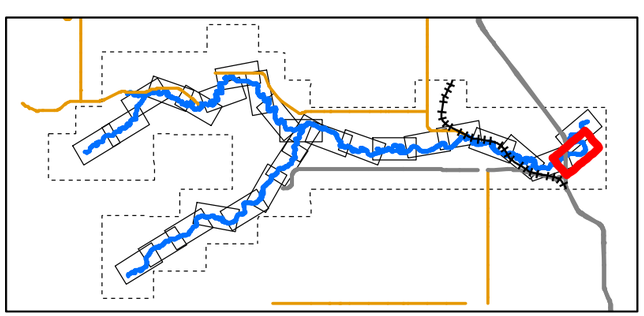
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2750 m^3/s



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PROJECT
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TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 17 of 28

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25mm

0

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Classification: Public

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SHEET 17 ↓

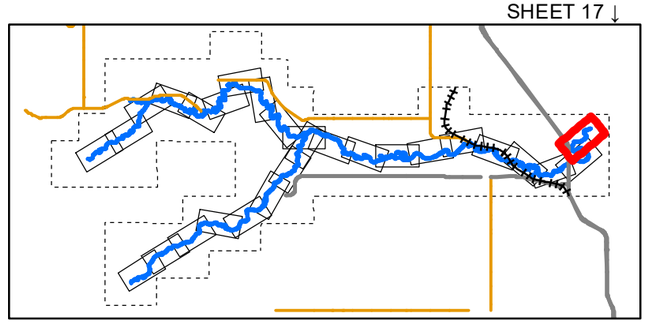
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
SHEEP RIVER= 2750 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 18 of 28

Classification: Public

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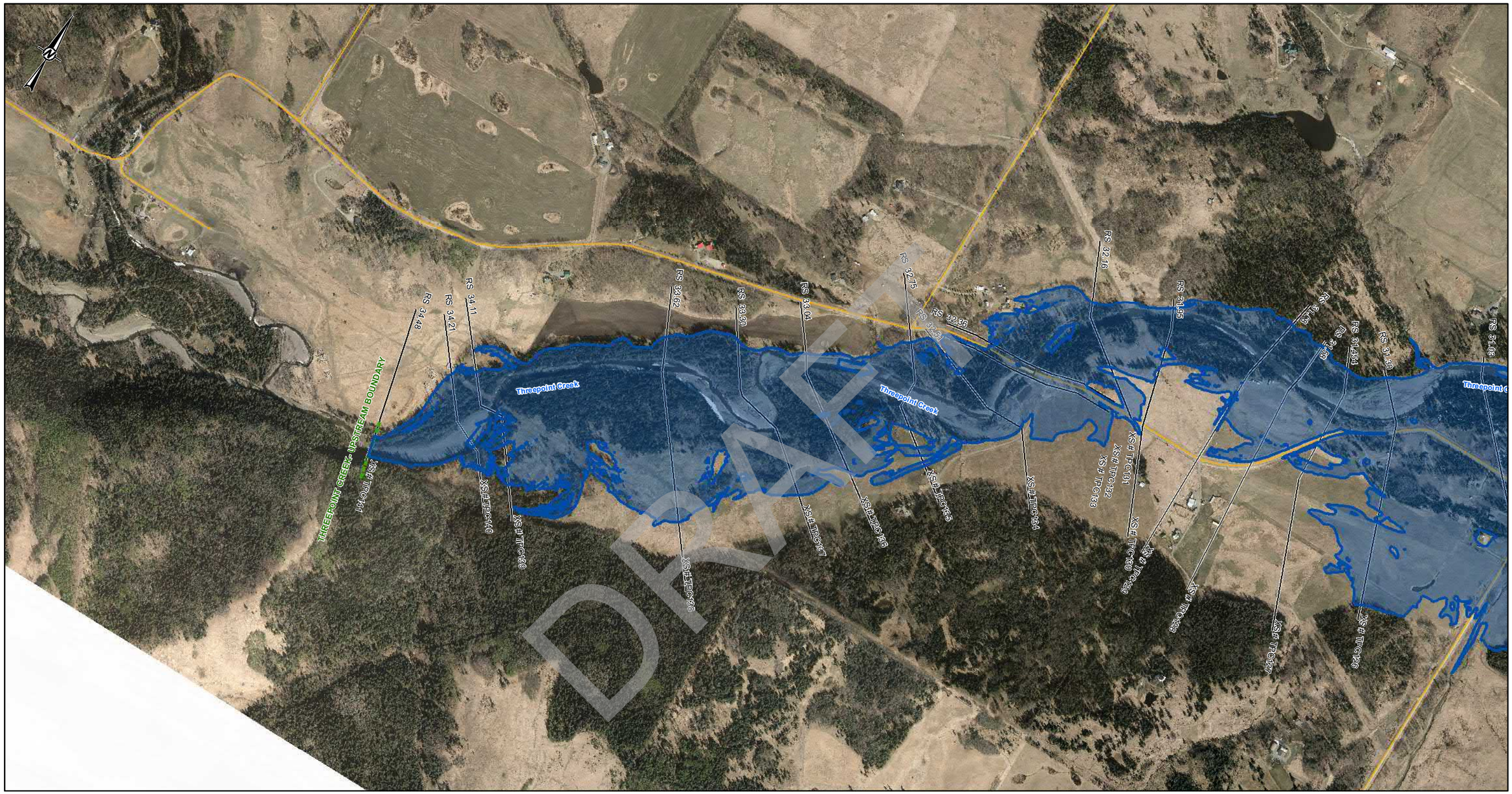


DRAFT

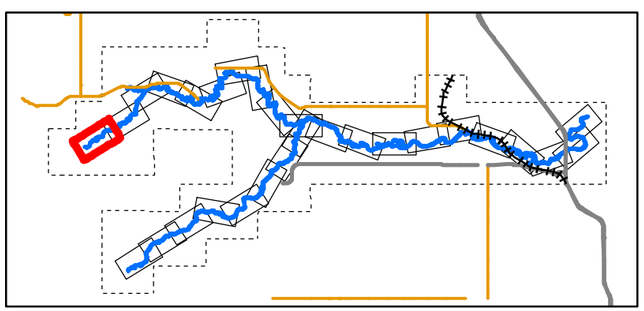
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 543 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 19 of 28

SHEET 20 ↑

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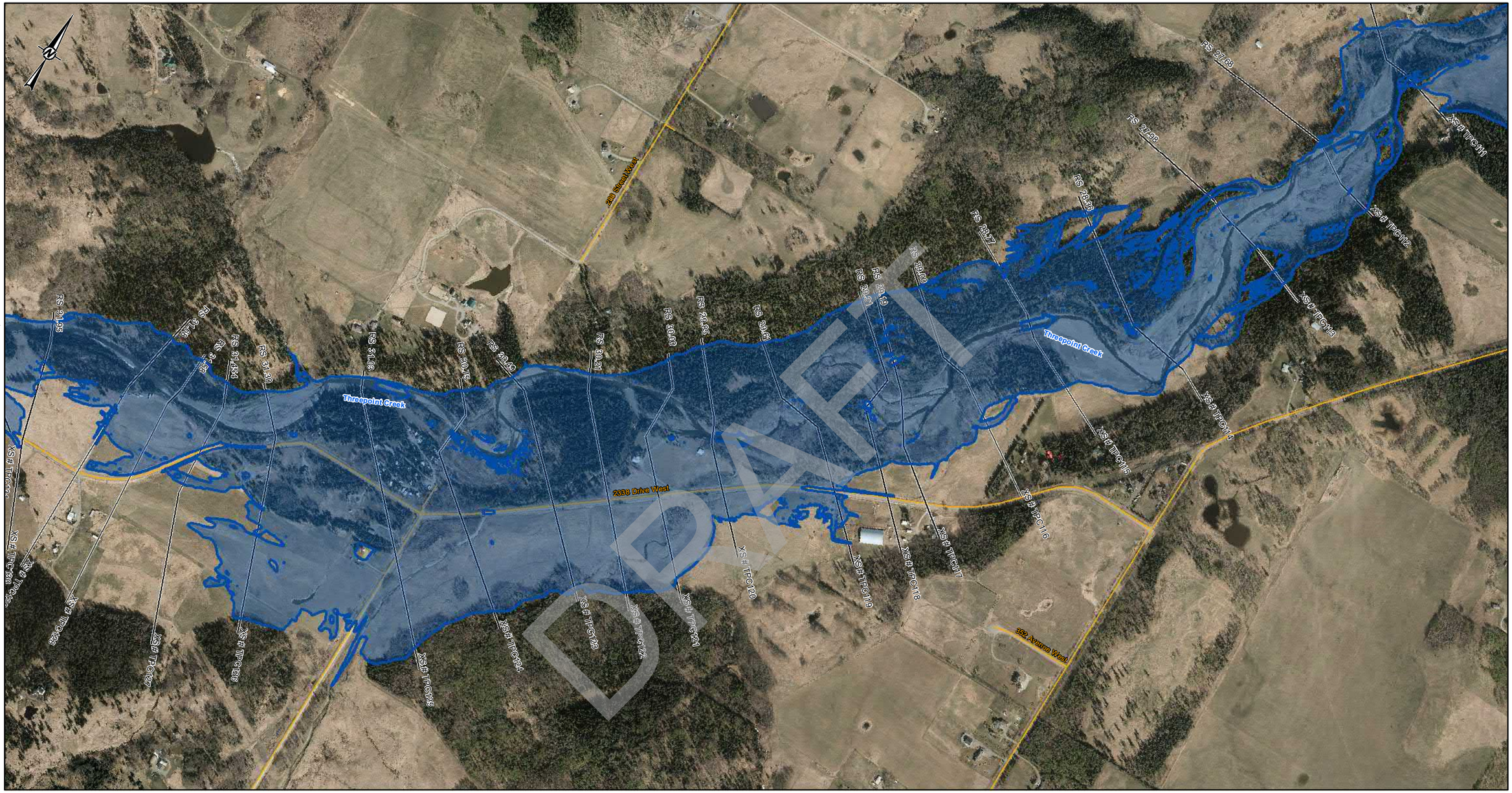
Classification: Public

SHEET 19 ↑

SHEET 21 ↑



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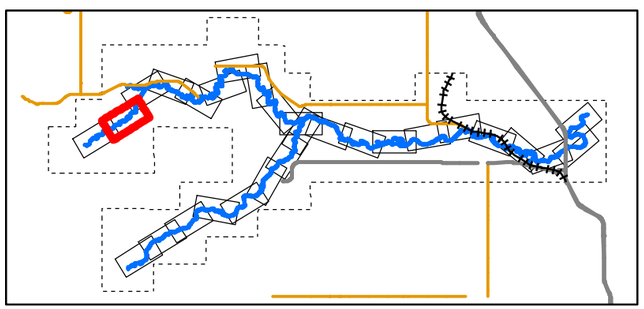
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 543 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 20 of 28

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0 25mm

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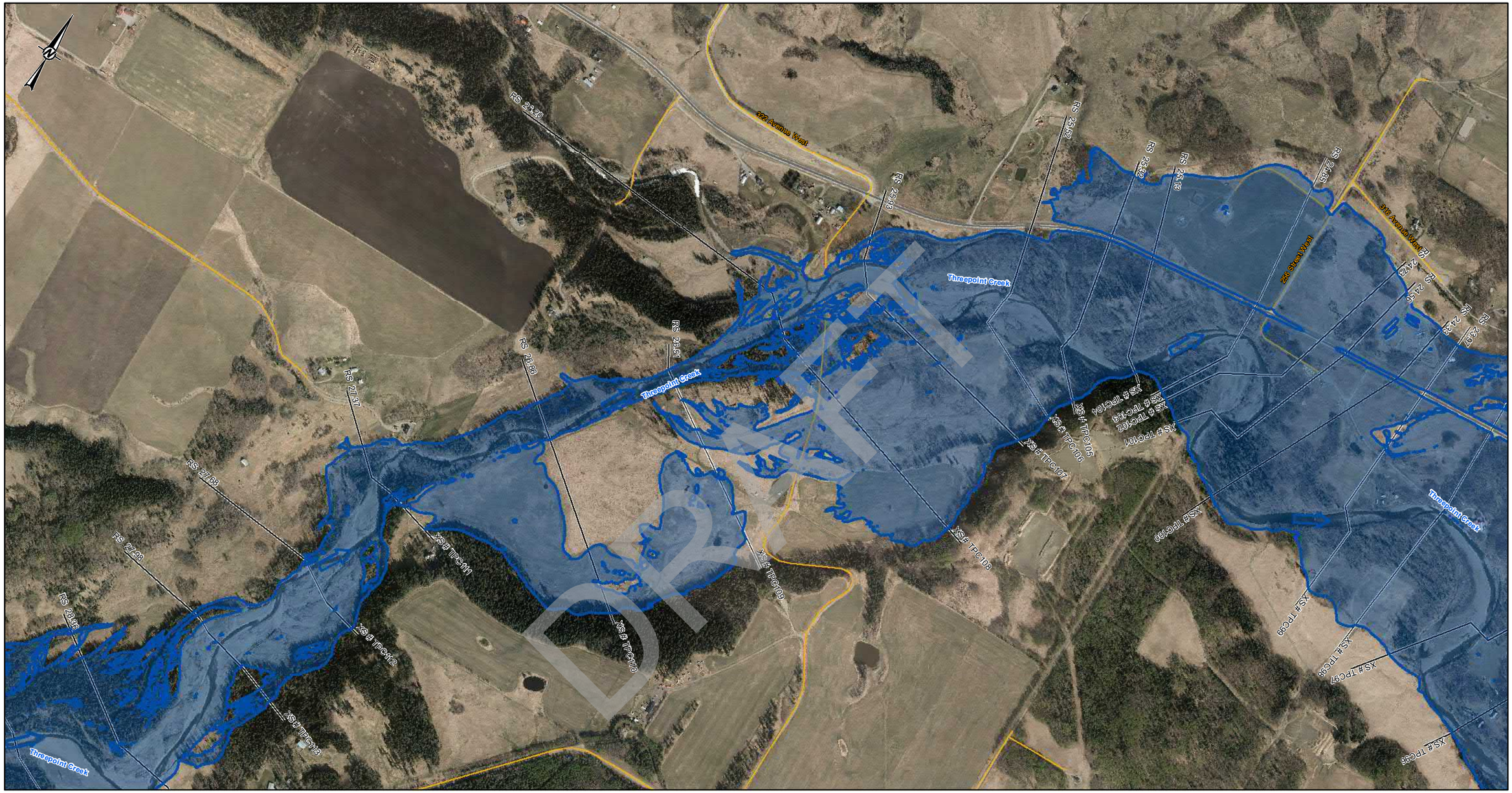
Classification: Public

SHEET 20 ↑

SHEET 22 ↑



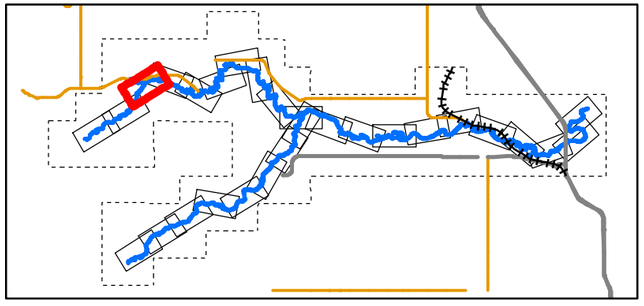
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 543 m^3/s
THREEPOINT CREEK= 1140 m^3/s (DS- RS 25.93)



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ALBERTA ENVIRONMENT AND PARKS

Alberta Government

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HATCH

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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 21 of 28

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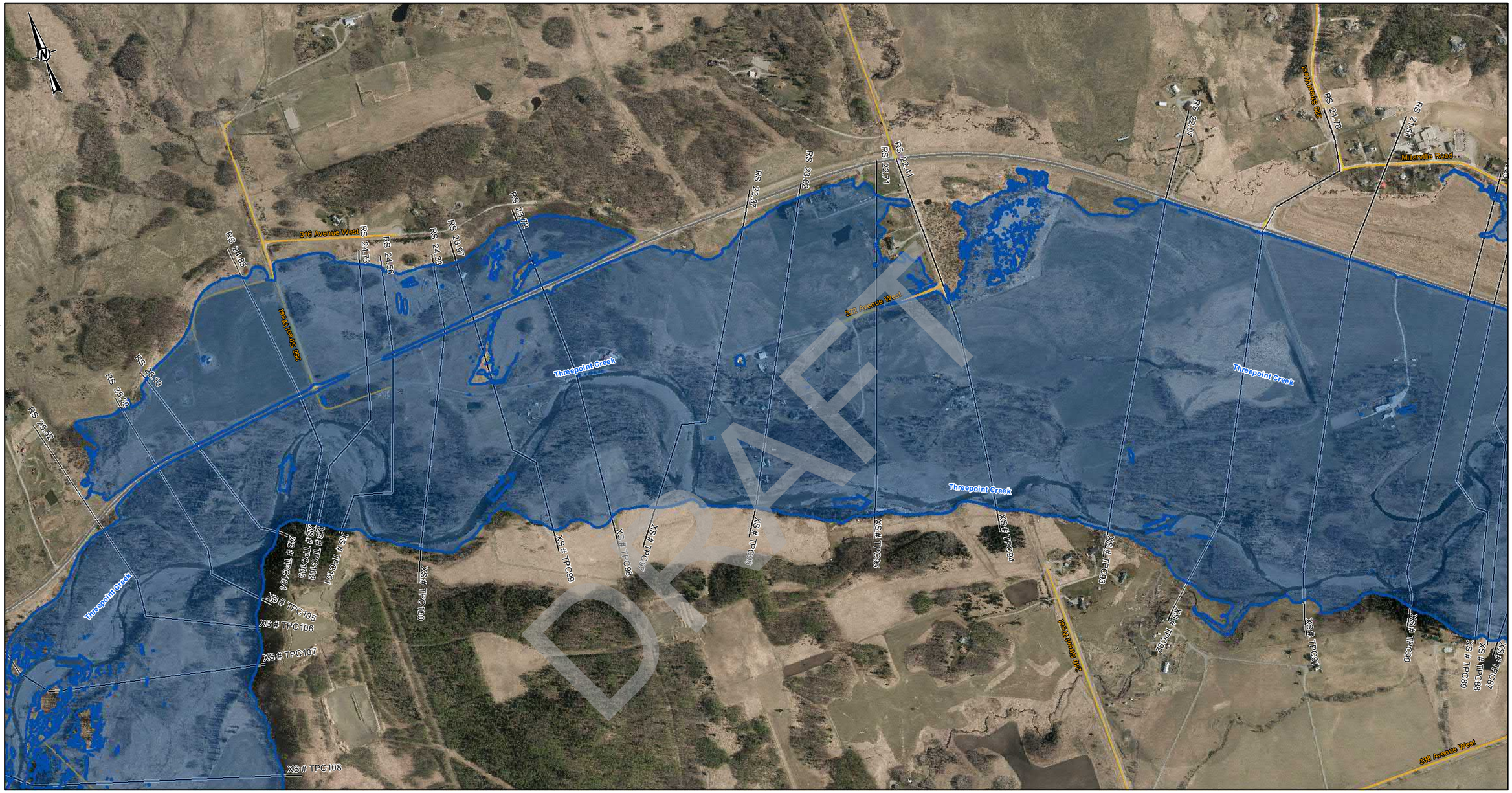
Classification: Public

SHEET 21 ↑

SHEET 23 ↑



DRAFT

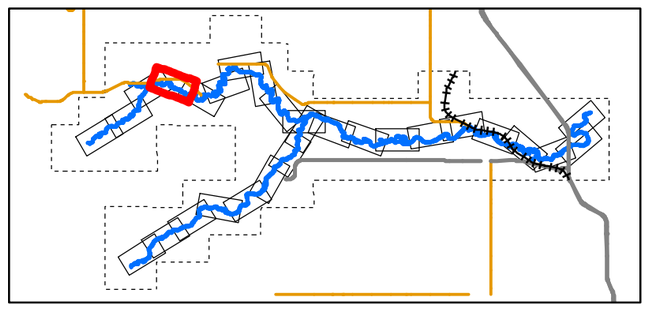
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 22 of 28

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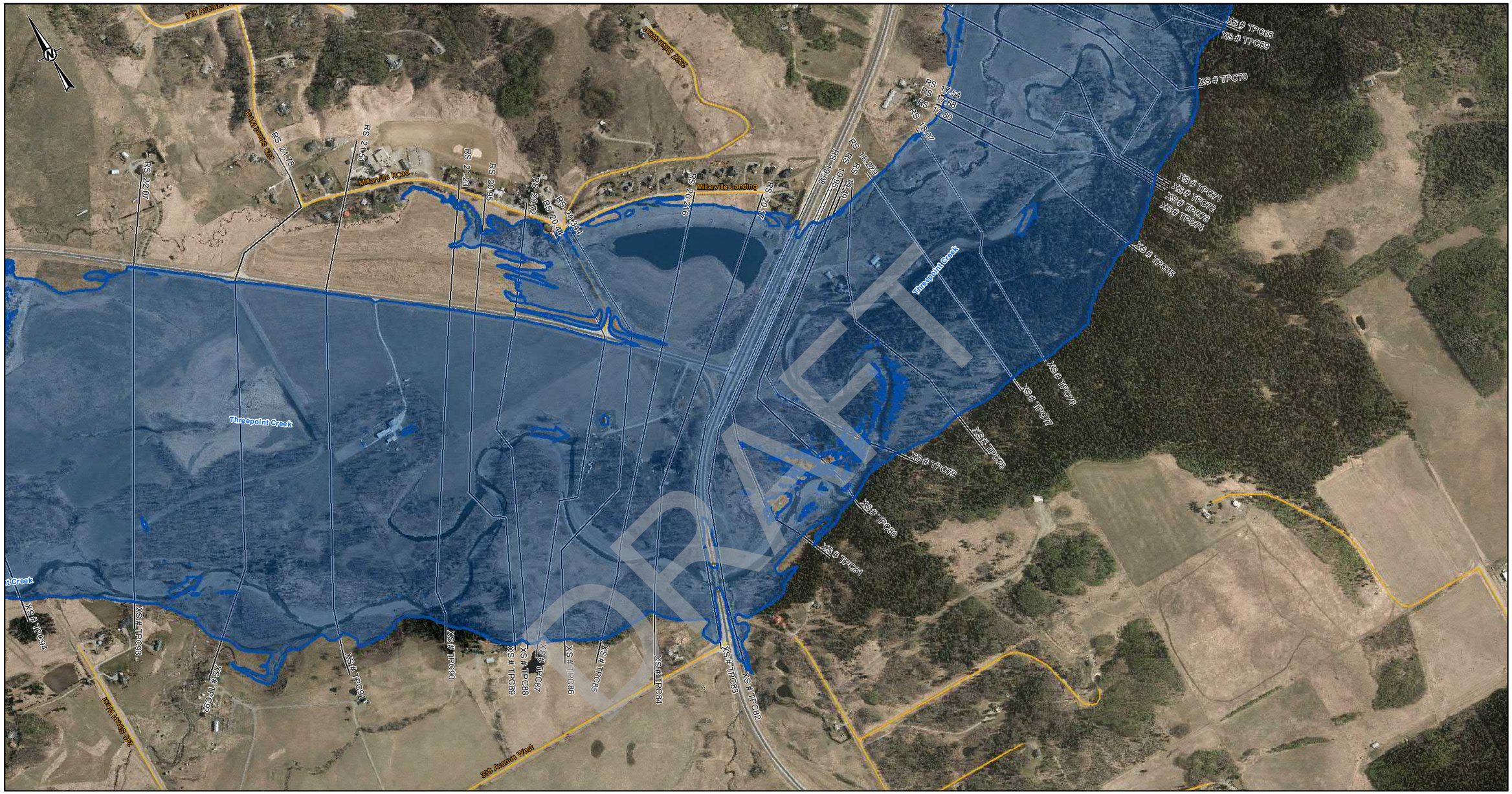
Classification: Public

SHEET 24 ↑

SHEET 22 ↑



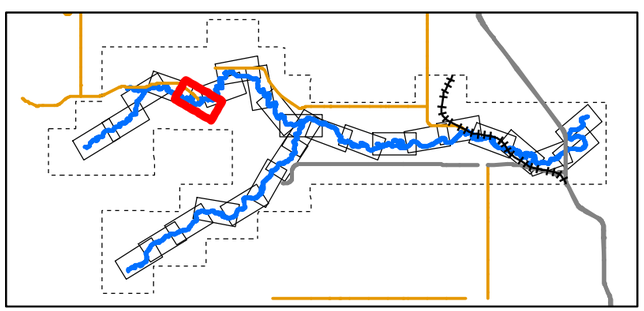
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 23 of 28

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

25mm

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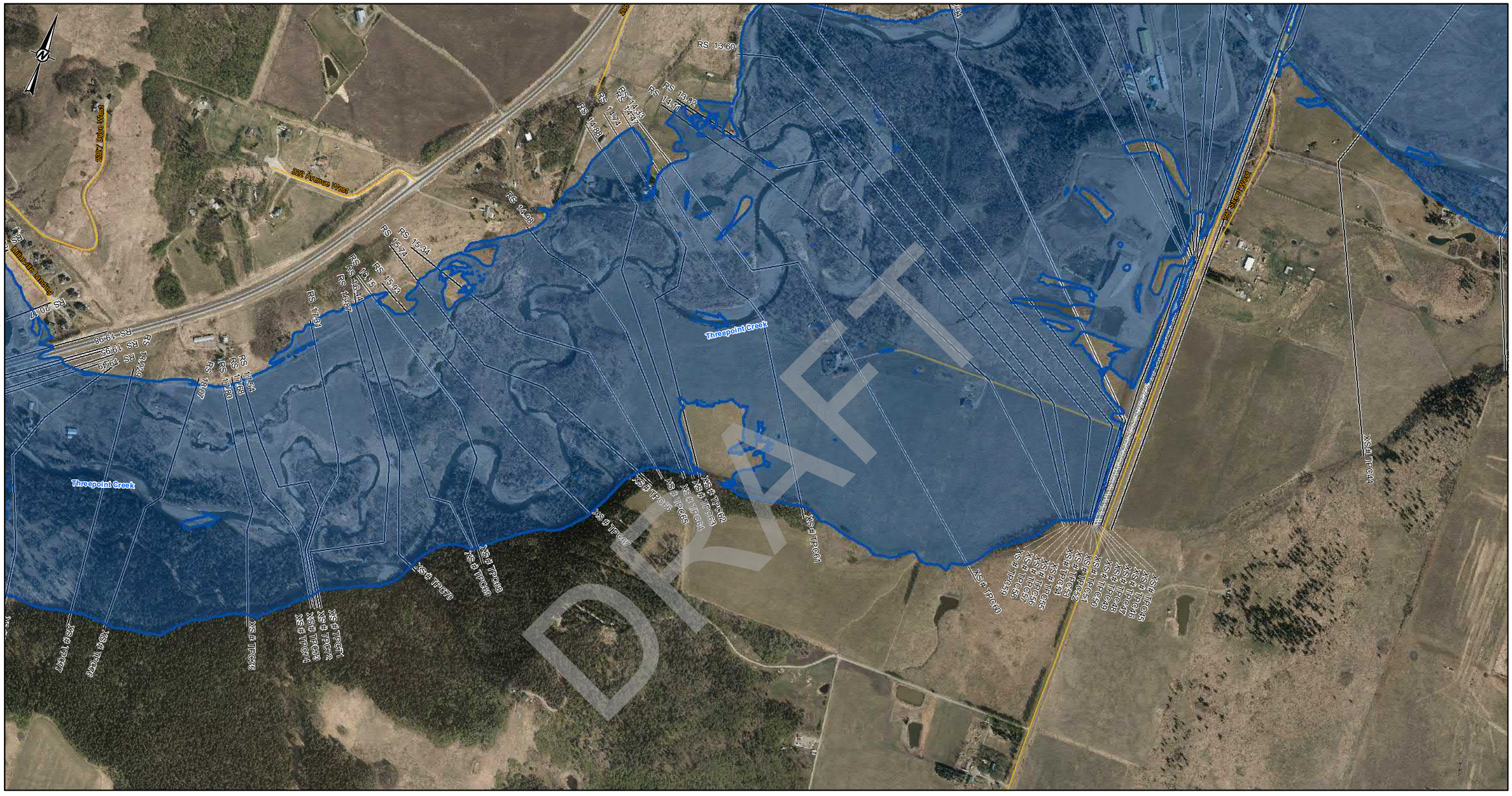
Classification: Public

SHEET 23 ↑

SHEET 25 ↑



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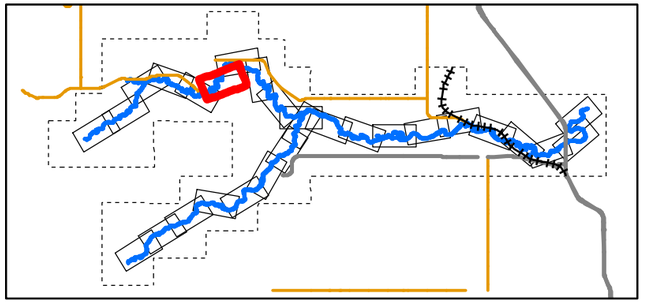
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1140 m^3/s
THREEPOINT CREEK= 1430 m^3 (DS- RS 14.98)



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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 24 of 28

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Classification: Public

SHEET 24 ↑

SHEET 26 ↓

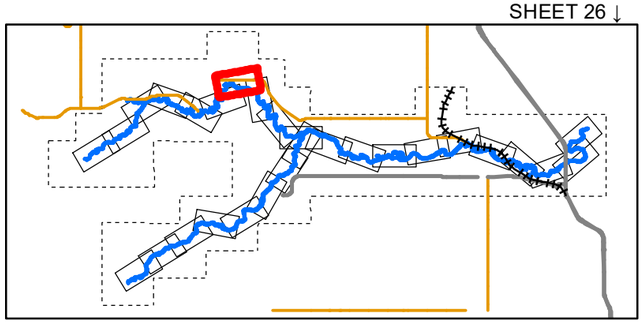
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1430 m^3/s



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DATUM: NAD 83 CSRSPROJECTION:3TM 114

PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 25 of 28

DRAFT

Classification: Public

C:\Projects\Projects\WATERPOWER\12345\SPECIALIST_APPS\AEP_SHEEP_RIVER_FHS_20210\OUTBOX\AEP DELIVERABLES\GIS\GEODATABASE\FINAL_DELIVERABLES_2022

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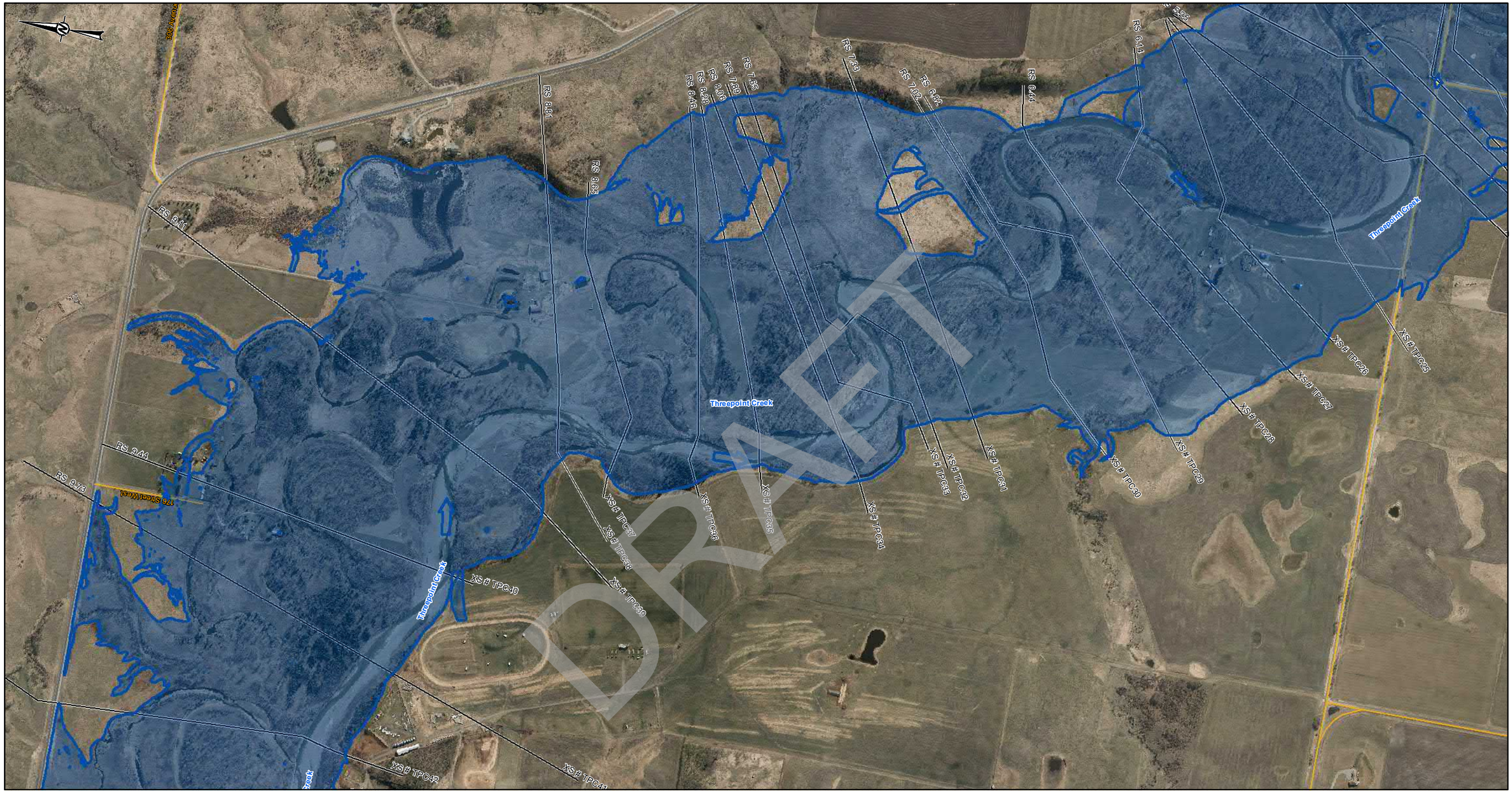
SHEET 25 ↑

SHEET 27 ↑



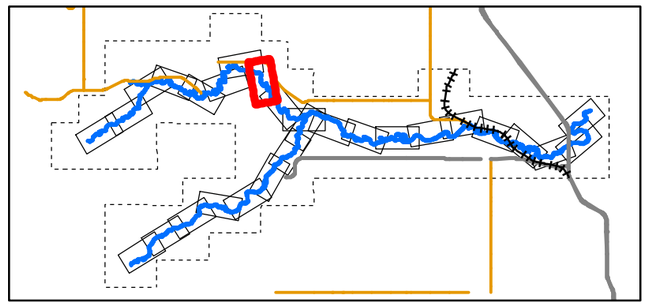
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1430 m^3/s



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CLIENT
ALBERTA ENVIRONMENT AND PARKS

Alberta Government

CONSULTANT
HATCH

DATE YYYY-MM-DD	2022-03-31
DESIGNED	S. ZARE
PREPARED	S. ZARE
REVIEWED	A.MILLS
APPROVED	J. GROENEVELD

REFERENCE(S)
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TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 26 of 28

DRAFT

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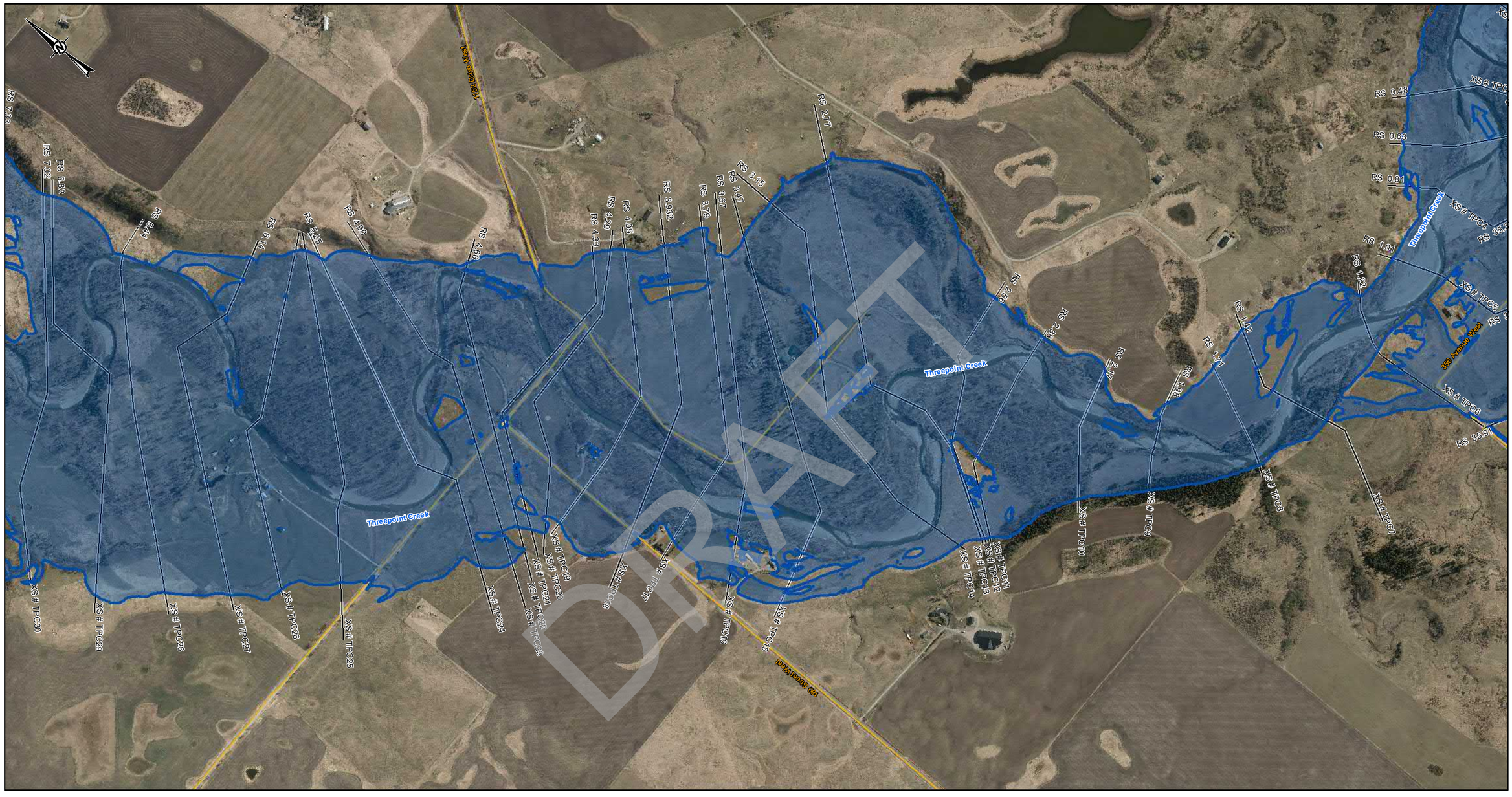
SHEET 26 ↑

SHEET 28 ↑



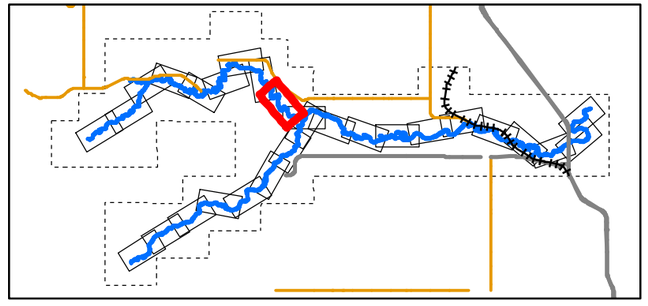
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1430 m^3/s



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1:10,000 METRES

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PROJECT
SHEEP RIVER FLOOD HAZARD STUDY

TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 27 of 28

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

0 20mm

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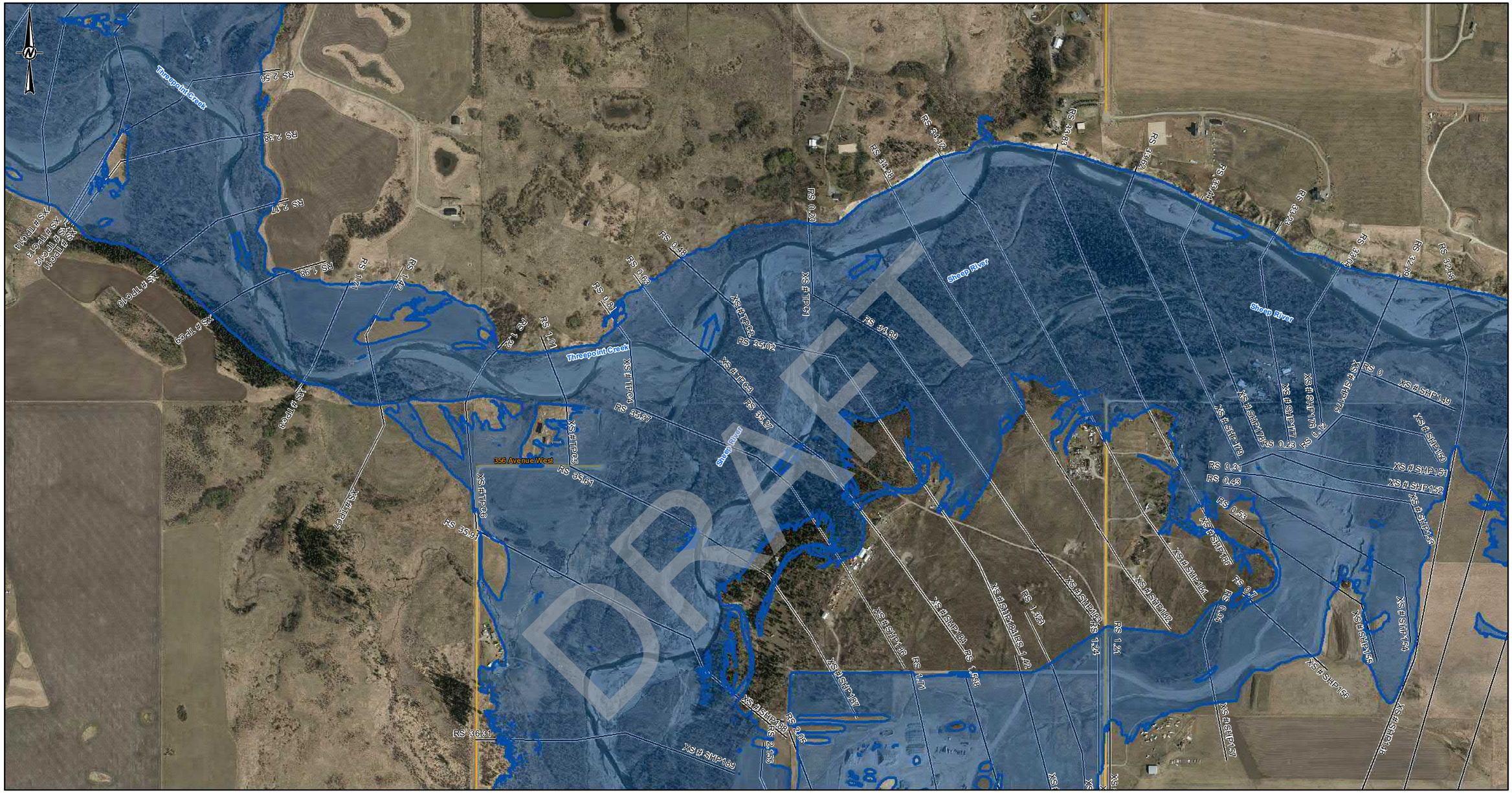
Classification: Public

SHEET 27 ↑

SHEET 9 ↑



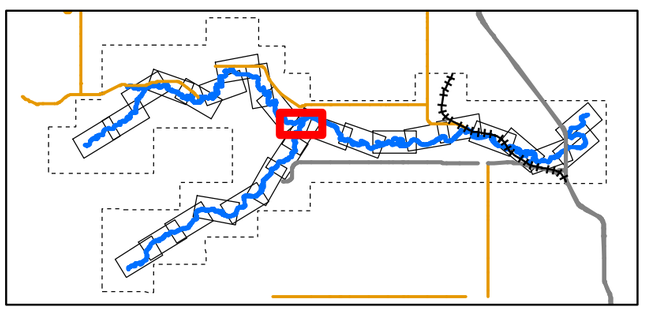
LEGEND

- CROSS SECTION
- XS#110 CROSS SECTION NUMBER
- FLOW DIRECTION
- STUDY BOUNDARY
- FLOOD CONTROL STRUCTURES
- BRIDGES
- PRIMARY HIGHWAY
- LOCAL ROAD; LOCAL STREET
- RAILWAY

1000-YEAR FLOOD INUNDATION EXTENT

- DIRECT INUNDATION AREA

DISCHARGE
THREEPOINT CREEK= 1430 m ³/s
SHEEP RIVER= 1900 m³/s
SHEEP RIVER= 3330 m ³/s (DS- RS 34.28)



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TITLE
1000- YEAR FLOOD INUNDATION EXTENT

PROJECT NO.	CONTROL	REV.	FIGURE
H/355730	228-274-0013-3333	0	Sheet 28 of 28

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25mm

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