

DRAWING INDEX

SHEET	DRAWING NAME	REVISION	DRAWING TITLE	DRAWING DESCRIPTION
GENERAL				
1	4462-00-G-001	0	DRAWING INDEX AND COVER SHEET	
CIVIL				
2	4462-00-C-101	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	HORSE CREEK TRIBUTARY DAM ROAD
3	4462-00-C-102	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	WETHERALL CREEK CROSSING
4	4462-00-C-103	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	SPRING CREEK TRIBUTARY EAST-WEST TRAIL (WEST)
5	4462-00-C-104	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	SPRING CREEK TRIBUTARY EAST-WEST TRAIL (EAST)
6	4462-00-C-501	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	TYPICAL DETAILS
7	4462-00-C-502	0	EAST BLOCK BACKCOUNTRY CREEK CROSSINGS	TYPICAL DETAILS

# PARKS CANADA AGENCY GRASSLANDS NATIONAL PARK EAST BLOCK BACKCOUNTRY CREEK CROSSINGS

PLOT DATE: 2021-02-03 9:05:11 AM  
 SAVE DATE: 2021-02-03 7:46:39 AM SAVED BY: BRUMWELLA  
 DWG PATH: \\na\data\work\proj\2020-4462-00\civil\sheet\4462-00-g-001.dwg



PARKS CANADA AGENCY  
 GRASSLANDS NATIONAL PARK  
 EAST BLOCK BACKCOUNTRY  
 CREEK CROSSINGS

20204462-00

REV	DATE	DESIGN	DRAWN	DESCRIPTION
0	2021FEB03	M. WALKER	A. BRUMWELLA	ISSUED FOR TENDER

DRAWING	REVISION	SHEET
4462-00-G-001	0	1



INSTALL EROSION END  
TREATMENT USING WOVEN  
GEOTEXTILE AND 0.15 m - 0.3 m  
(6" - 12") Ø ROCK

REPLACE EXISTING  
CULVERT WITH 14 m  
- 500 mm Ø CSP

MATCH INVERT TO  
EXISTING CULVERT

FILL ERODED SIDE SLOPE AREA  
WITH COMPACTED COMMON  
EXCAVATION, COVER WITH  
NON-WOVEN GEOTEXTILE AND  
ARMOUR WITH RIPRAP

REGRADE AND COMPACT  
ROAD SURFACE. PLACE  
SURFACING GRAVEL.

ARMOUR INLET  
WITH 0.15 m - 0.3 m  
(6" - 12") Ø ROCK

2  
C-502

1  
C-502

PLOT DATE: 2021-02-03 7:41:04 AM  
SAVE DATE: 2021-02-03 7:18:12 AM  
DWG PATH: \\ae\data\working\2020-4462-00\Civil\sheet\4462-00-c-101.dwg



AE PROJECT No.	20204462-00
SCALE	1:100
APPROVED	M. WALKER
DATE	2021FEB03
REV	0
DESCRIPTION	ISSUED FOR TENDER

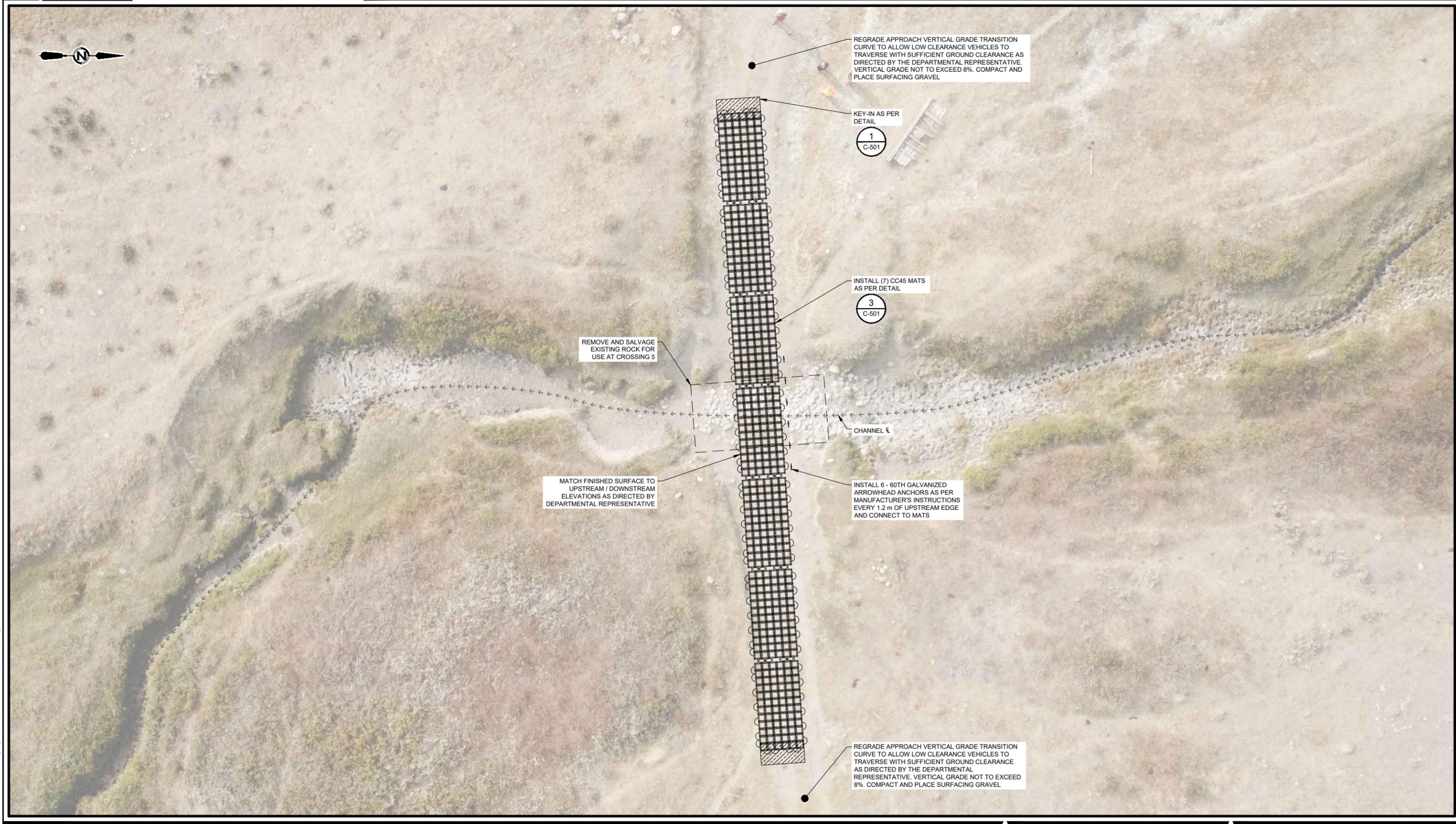
**CROSSING 5**

PARKS CANADA AGENCY  
GRASSLANDS NATIONAL PARK

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CIVIL  
EAST BLOCK BACKCOUNTRY CREEK CROSSINGS  
HORSE CREEK TRIBUTARY DAM ROAD

DWG No. 4462-00-C-101



PLOT DATE: 2021-02-03 7:41:45 AM  
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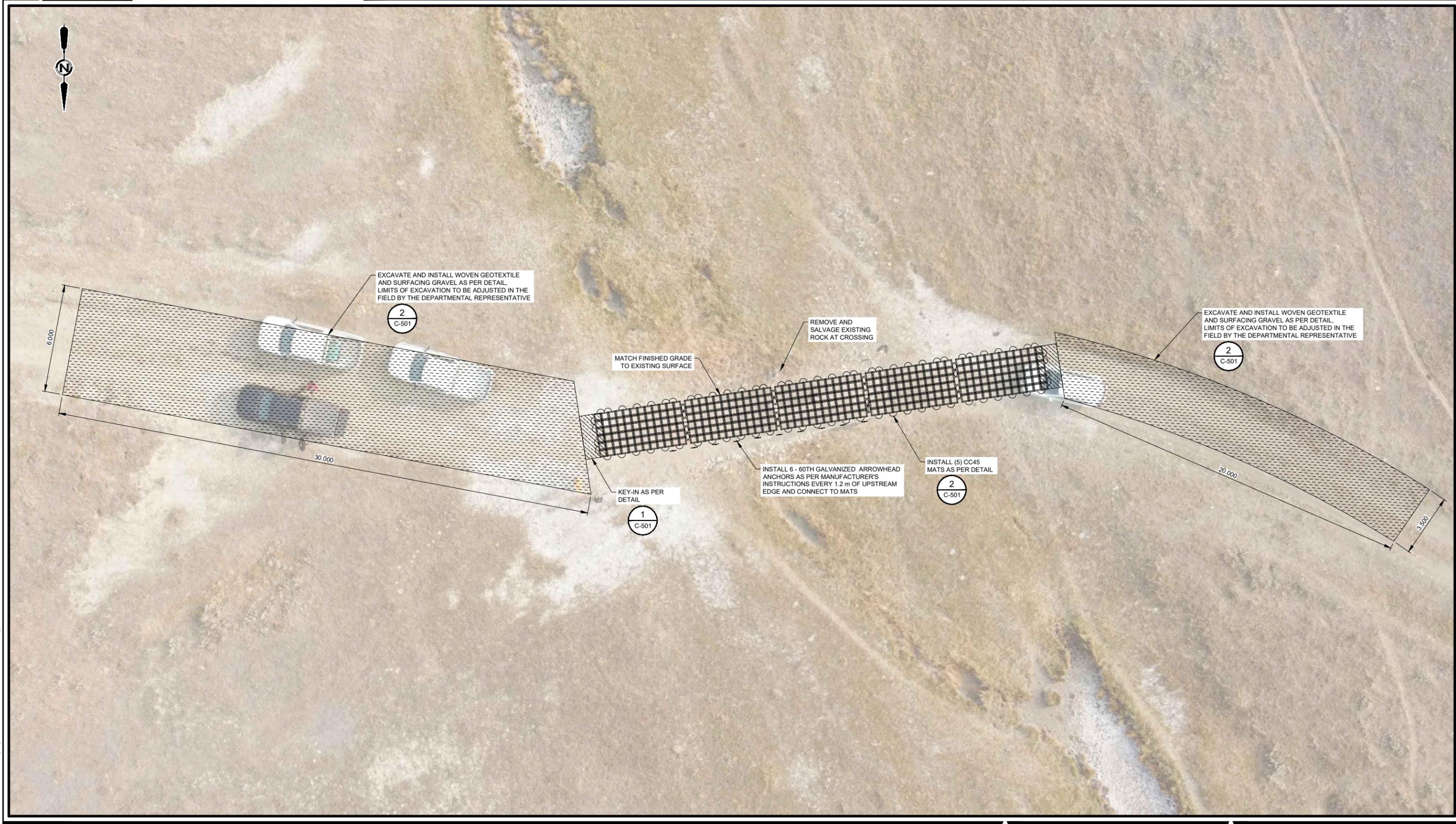


Platinum member

AE PROJECT No.	20204462-00
SCALE	1:100
APPROVED	M. WALKER
DATE	2021FEB03
REV	0
DESCRIPTION	ISSUED FOR TENDER

**CROSSING 8**  
PARKS CANADA AGENCY  
GRASSLANDS NATIONAL PARK  
CIVIL  
EAST BLOCK BACKCOUNTRY CREEK CROSSINGS  
WETHERALL CREEK CROSSING

DWG No. 4462-00-C-102



PLOT DATE: 2021-02-03 7:42:23 AM  
SAVE DATE: 2021-02-03 7:20:13 AM SAVED BY: BRUMWELLA  
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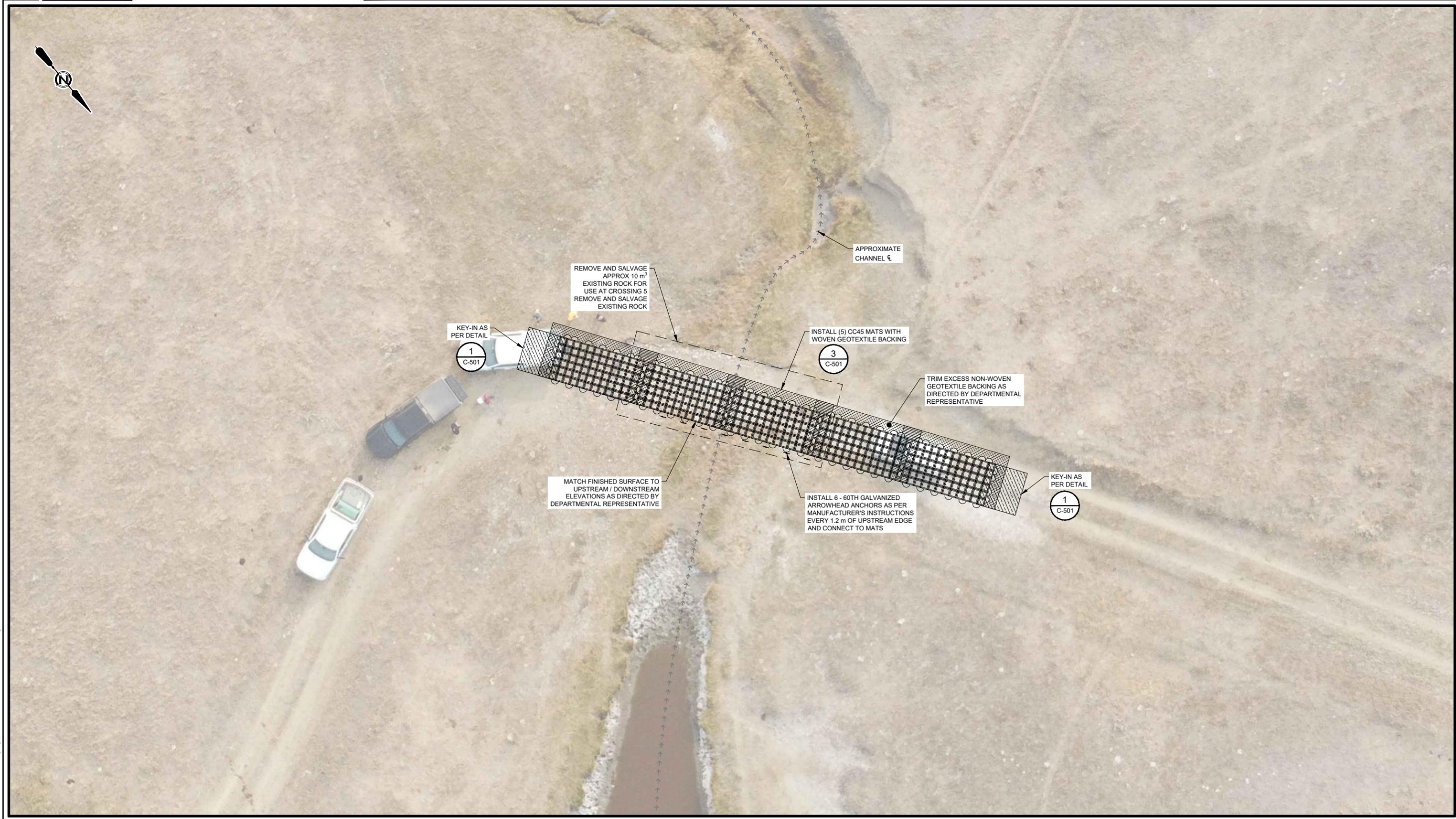


AE PROJECT No.	20204462-00
SCALE	1:100
APPROVED	M. WALKER
DATE	2021FEB03
REV	0
DESCRIPTION	ISSUED FOR TENDER

**CROSSING 9**  
PARKS CANADA AGENCY  
GRASSLANDS NATIONAL PARK

CIVIL  
EAST BLOCK BACKCOUNTRY CREEK CROSSINGS  
SPRING CREEK TRIBUTARY EAST-WEST TRAIL (WEST)

DWG No. 4462-00-C-103



PLOT DATE: 2021-02-03 7:42:56 AM  
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 DWG PATH: \\ae\data\working\2020-4462-00\Civil\sheet\4462-00-c-104.dwg

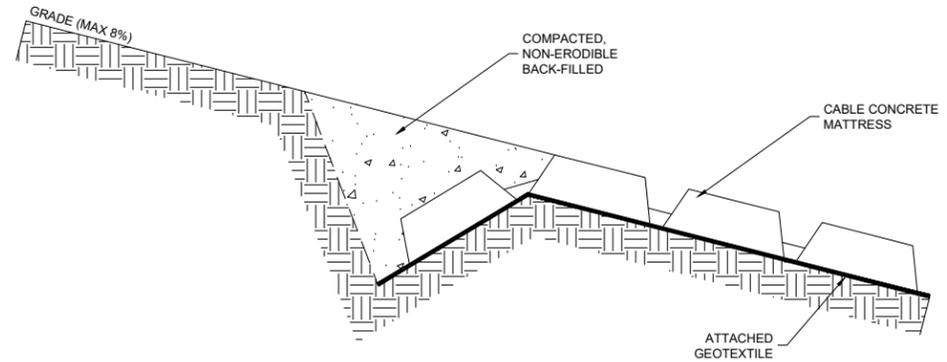


AE PROJECT No.	20204462-00
SCALE	1:100
APPROVED	M. WALKER
DATE	2021FEB03
REV	0
DESCRIPTION	ISSUED FOR TENDER

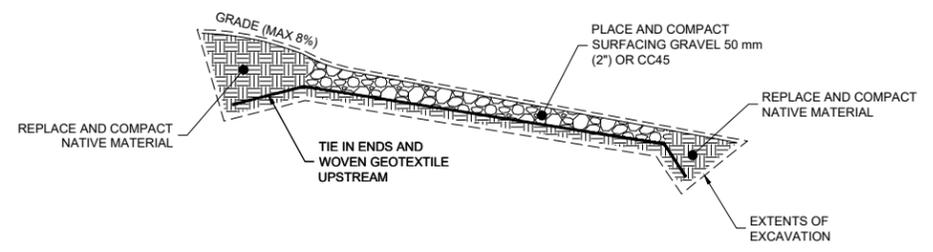
**CROSSING 10**  
 PARKS CANADA AGENCY  
 GRASSLANDS NATIONAL PARK

CIVIL  
 EAST BLOCK BACKCOUNTRY CREEK CROSSINGS  
 SPRING CREEK TRIBUTARY EAST-WEST TRAIL (EAST)

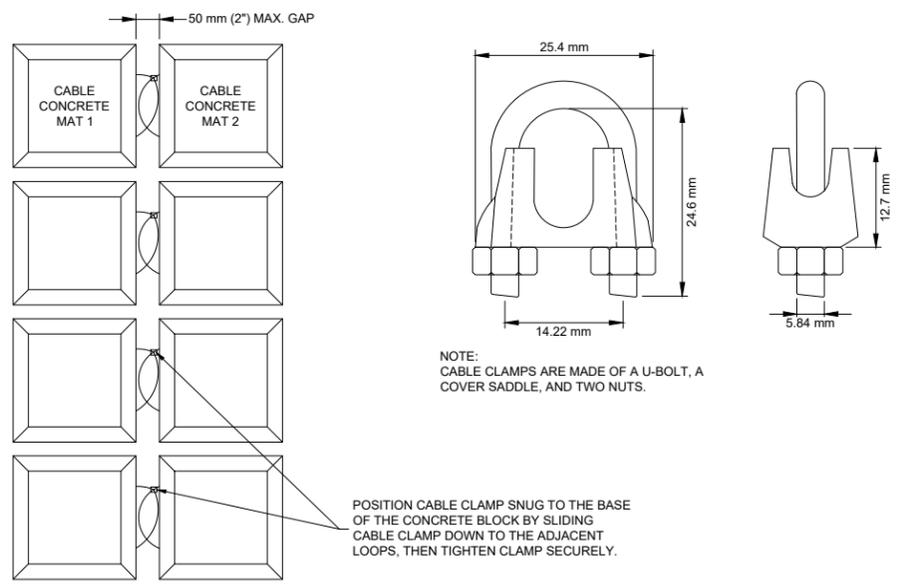
DWG No. 4462-00-C-104



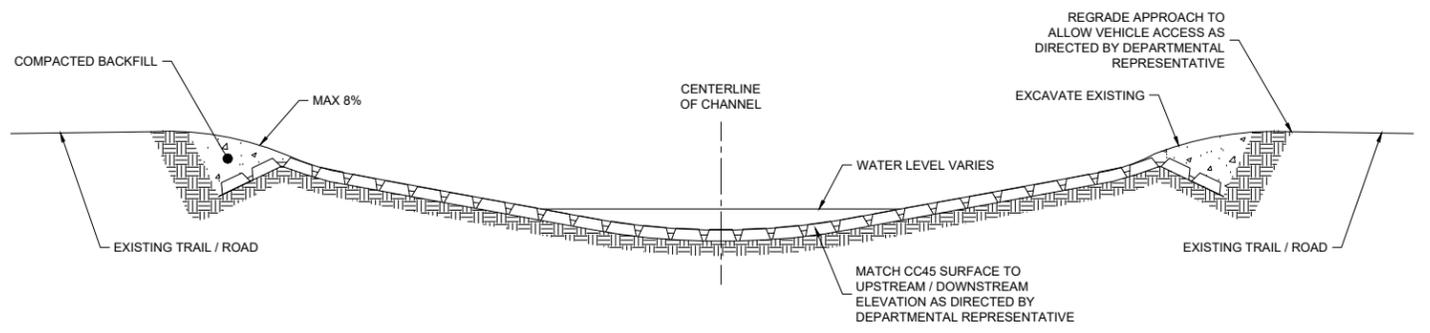
1 TYPICAL DETAIL NTS  
TOP OF SLOPE KEY-IN



2 TYPICAL DETAIL NTS  
WOVEN GEOTEXTILE



3 TYPICAL DETAIL NTS  
CC45 MAT CONNECTION AND CABLE CLAMP



4 TYPICAL DETAIL NTS  
CROSSING PROFILE

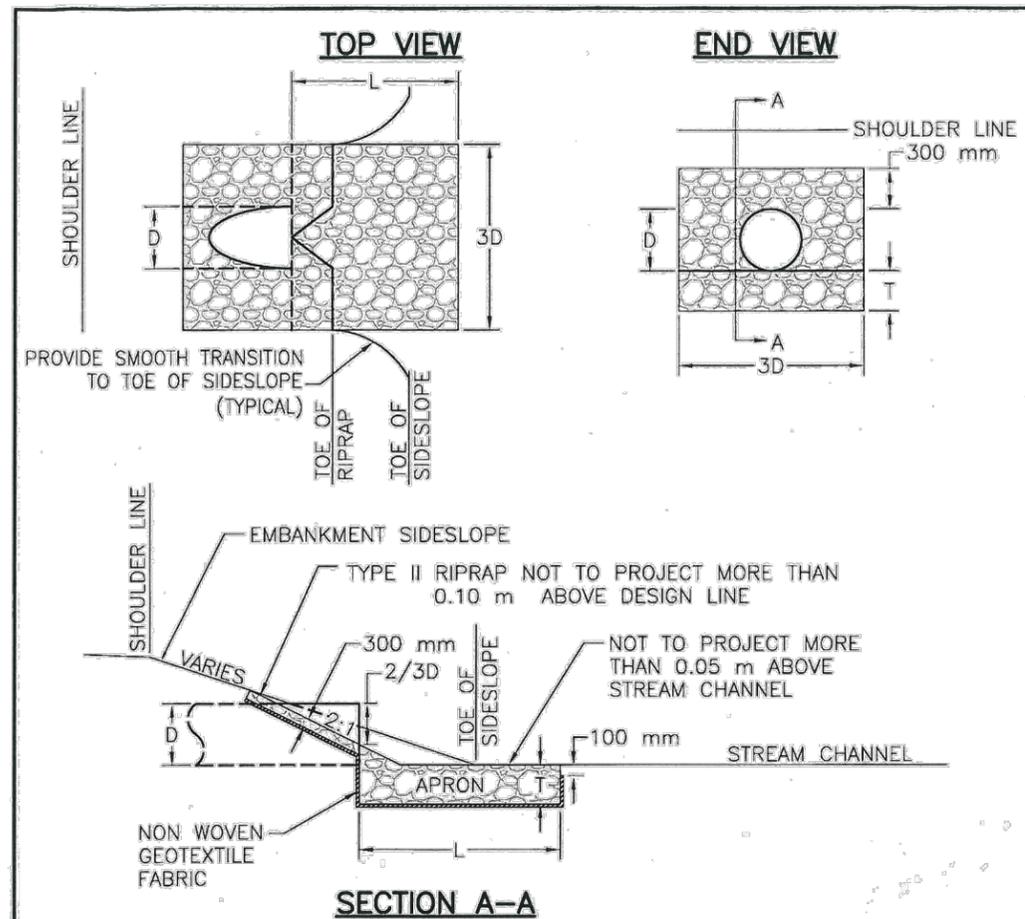
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AE PROJECT No.	20204462-00
SCALE	AS SHOWN
APPROVED	M. WALKER
DATE	2021FEB03
REV	0
DESCRIPTION	ISSUED FOR TENDER

DETAIL 1	
PARKS CANADA AGENCY GRASSLANDS NATIONAL PARK	
CIVIL EAST BLOCK BACKCOUNTRY CREEK CROSSINGS TYPICAL DETAILS	

DWG No. 4462-00-C-501



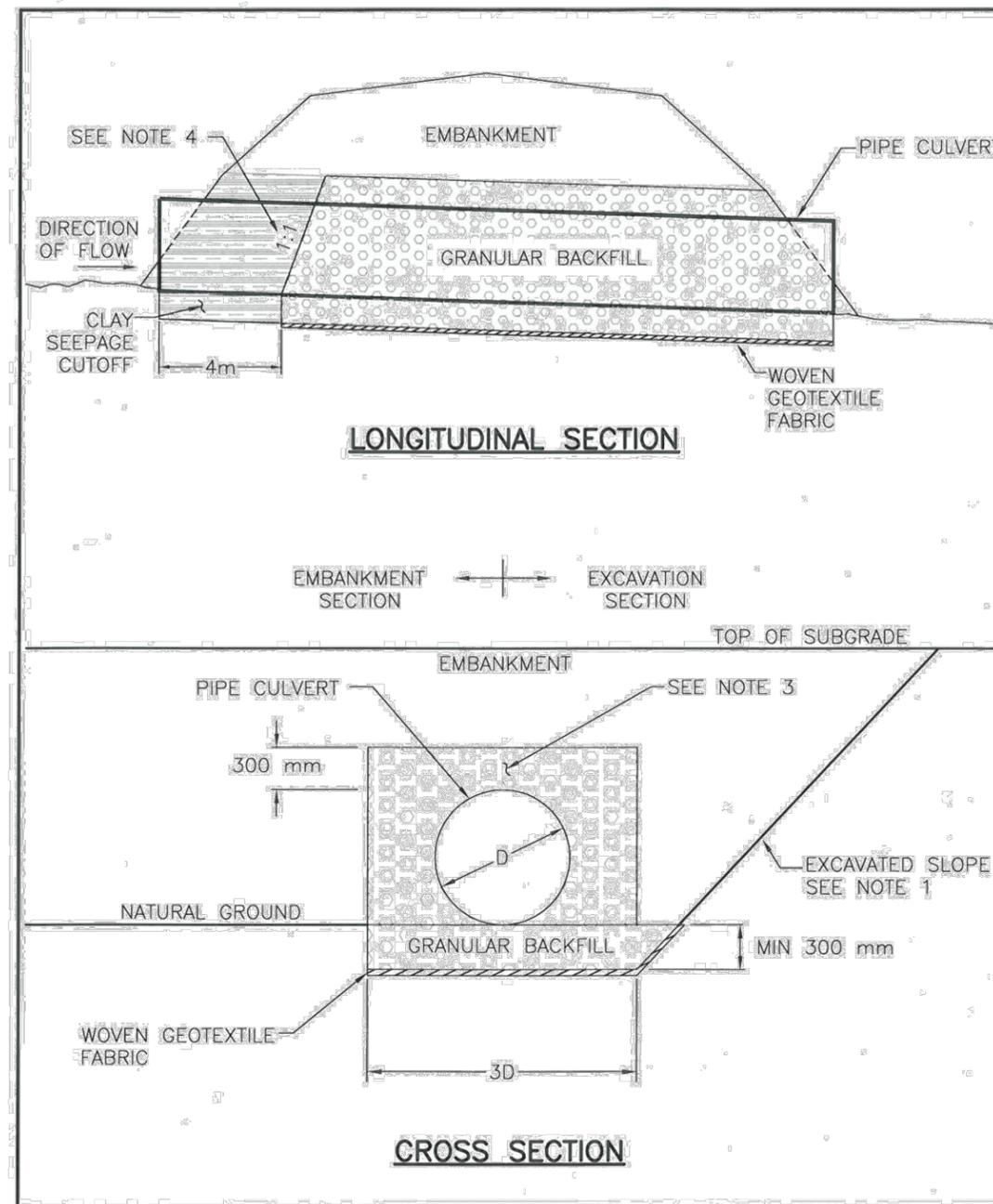
**OUTLET APRON**

Diameter (D) (mm)	Length (L) (mm)	Thickness (T) (mm)	Riprap
750-800	3500	450	TYPE II
900	4500	450	TYPE II
1000-1050	6500	600	TYPE II
1200	8500	600	TYPE II
1350-1400	13000	800	TYPE I

NOT TO SCALE

<p>Government of Saskatchewan Ministry of Highways &amp; Infrastructure</p>		<p><b>RIPRAP</b> PIPE AND PIPE ARCH CULVERTS 600 mm &lt; D &lt; 1500 mm</p>			
RECOMMENDED BY	<i>[Signature]</i>	DIRECTOR DESIGN & TRAFFIC ENG	DATE	March 13, 2014	STANDARD PLAN NO. HM807-01
APPROVED BY	<i>[Signature]</i>	EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH	DATE	April 9, 2014	SHEET 1 OF 3

1 TYPICAL DETAIL NTS  
RIPRAP



<p>Government of Saskatchewan Ministry of Highways &amp; Infrastructure</p>		<p><b>BACKFILLING PIPE CULVERTS</b> D &lt; 1500 mm IN ROAD EMBANKMENT</p>			
RECOMMENDED BY	<i>[Signature]</i>	DIRECTOR DESIGN & TRAFFIC ENG	DATE	Oct 17, 14	STANDARD PLAN NO. HM705-01
APPROVED BY	<i>[Signature]</i>	EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH	DATE	Oct 31, 14	SHEET 1 OF 2

2 TYPICAL DETAIL NTS  
BACKFILLING PIPE CULVERTS

PLOT DATE: 2021-02-03 7:44:07 AM  
 SAVE DATE: 2021-02-03 7:23:04 AM SAVED BY: BRUMWELLA  
 DWG PATH: \\saskdata\working\ng\2020-4462-00\civil\sheet\4462-00-c-502.dwg

ACAD DWG: HM807-01  
 LAST REV DATE: 14/04/16

ACAD DWG: HM705-01  
 LAST REV DATE: 14/09/19



**AE PROJECT No.** 20204462-00  
**SCALE** AS SHOWN  
**APPROVED** M. WALKER  
**DATE** 2021FEB03  
**REV** 0  
**DESCRIPTION** ISSUED FOR TENDER

**DETAIL 2**  
 PARKS CANADA AGENCY  
 GRASSLANDS NATIONAL PARK  
 CIVIL  
 EAST BLOCK BACKCOUNTRY CREEK CROSSINGS  
 TYPICAL DETAILS

DWG No. 4462-00-C-502