



EXISTING 3.67 m Φ SPCSP CULVERT BY 32.0 m INVERT LENGTH LINE WITH 3.0 m Φ SPCAP CULVERT BY 32.0 m INVERT LENGTH ON SQUARE TO Φ ALASKA HWY AT STA 399+400.000

CLASS 250 ROCK RIPRAP TO BE PLACED 1.2 m THICK (TYP BOTH ENDS)

TOP OF BANK (TYP)
BOTTOM OF BANK (TYP)

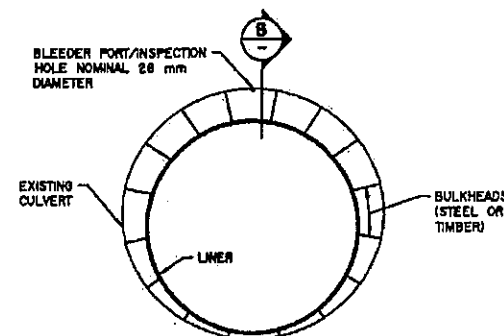
SITE PLAN
1:500

SURVEY

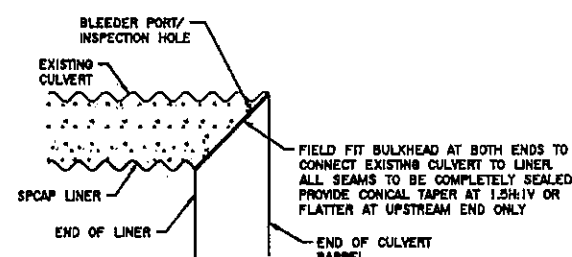
1. SURVEY BY WSP, UNDER THE DIRECTION OF MR. KURT PETRICA, P. ENG., JUNE 2014
2. SURVEYED IN UTM NAD 83 ZONE 10

BENCHMARKS

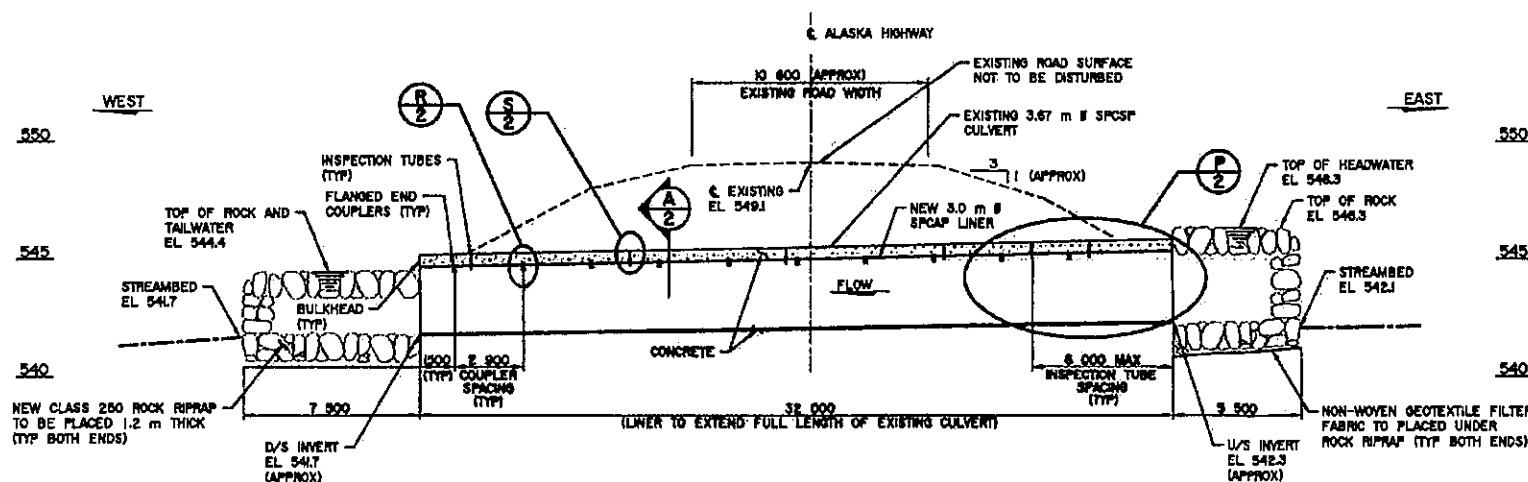
1. CP 100, IRON SPIKE, LOCATED 16.482 m LT OF HIGHWAY ALIGNMENT AT STA 399+284.144, EL 547.257 - (N=6468383.785 E=516732.218)
2. CP 200, IRON SPIKE, LOCATED 20.215 m RT OF HIGHWAY ALIGNMENT AT STA 399+478.093, EL 548.713 - (N=6468579.870 E=516768.192)
3. CP 300, IRON SPIKE, LOCATED 26.505 m RT OF HIGHWAY ALIGNMENT AT STA 399+473.611, EL 550.191 - (N=6468575.210 E=516721.489)
4. CP 400, IRON SPIKE, LOCATED 32.298 m LT OF HIGHWAY ALIGNMENT AT STA 399+290.631, EL 547.576 - (N=6468392.451 E=516780.973)



END DETAIL
1:50

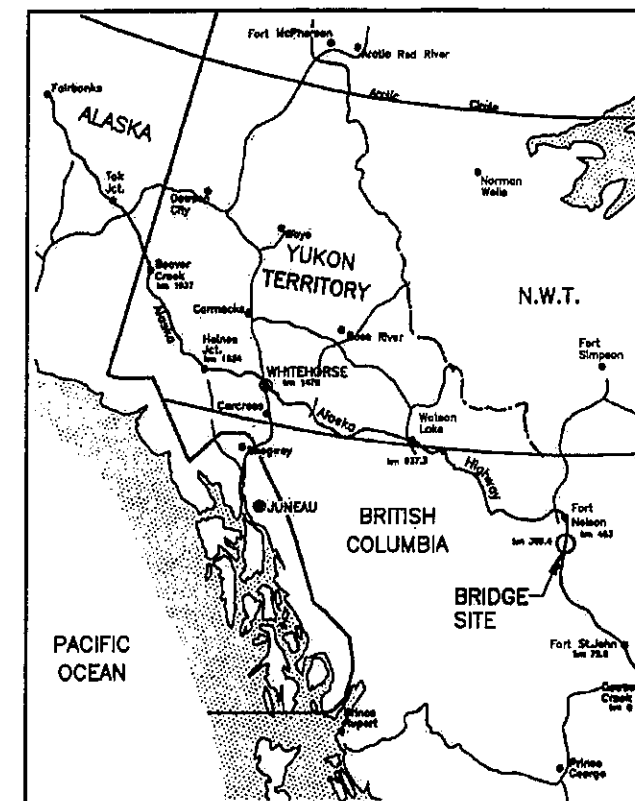


SECTION B
1:10



LONGITUDINAL SECTION THROUGH Φ LINER/CULVERT

(ON SQUARE TO ALASKA HWY TAKEN ON CULVERT AT STATION 399+400.000)



LOCATION MAP
NTS

GENERAL NOTES

GENERAL

1. DIMENSIONS ARE GIVEN IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ALL SPCAP MATERIAL SHALL CONFORM TO THE CURRENT VERSION OF CSA STANDARD S401
3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT VERSION OF CSA STANDARD W59, WELDED STEEL CONSTRUCTION (METAL ARC WELDING)
4. DESIGN SPECIFICATION: CAN/CSA-S6-08
5. POSTED SPEED LIMIT = 90 Km/h

HYDROTECHNICAL SUMMARY

1. TOTAL DRAINAGE AREA = 22 km²
2. Q₁₀₀ DESIGN FLOOD = 20 m³/s
3. MEAN OUTLET VELOCITY AT PROPOSED CULVERT FOR DESIGN FLOOD = 3.7 m/s
4. AVERAGE SURVEYED SLOPE OF STREAMBED = 0.008 m/m

NEW STRUCTURE

1. 3.0 m DIA SPCAP LINER BY 32.0 m INVERT LENGTH ON SQUARE TO Φ ALASKA HIGHWAY AT STATION 399+400.000
2. WALL THICKNESS IS 3.81 mm, ALUMINUM, CORRUGATION PROFILE 229 mm x 64 mm OR EQUIVALENT

INDEX	
SHEET	DESCRIPTION
1 OF 2	GENERAL LAYOUT
2 OF 2	INFORMATION SHEET

REAL PROPERTY SERVICES

SERVICES IMMOBILIERS

Région de l'ouest

7110 BOGART ROAD, SUITE 100

RED DEER, ALBERTA, CANADA T4P 4G2

TEL: 403-342-7883 FAX: 403-342-7881 WWW.WSPINCUB.COM

July 10/14

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

REAL PROPERTY SERVICES PACIFIC REGION

Project No./Nbre du projet

ALASKA HIGHWAY, km 399.4

BRITISH COLUMBIA

BIG BEAVER CREEK BRIDGE CULVERT LINER INSTALLATION

Approved by/Approuvé par

Designed by/Conçu par

KURT PETRICA, P. ENG. - 2014/07/06

Drawn by/Dessiné par

DORIS SAUNDERS - 2014/07/06

Project Manager/Responsable du projet

ALEX TAYLOR, P. ENG.

Project Engineer/Ingénieur en chef

Project Engineer/Ingénieur en chef

Project Engineer/Ingénieur en chef

GENERAL LAYOUT

Project No./Nbre du projet

R.017173.603

Sheet/Feuille

1

of 2

Revision no.

0

PROJ - A1 - 6413394