

PARKS CANADA AGENCY
WESTERN AND NORTHERN REGION

Waterton Lakes National Park Bar - U Ranch National Historic Site Workshop Replacement

AE Project No. 20153361

ISSUED FOR TENDER AND CONSTRUCTION

DRAWING LIST

GENERAL

TITLE COVER AND DRAWING LIST

CIVIL

C1 SITE PLAN WITH UTILITIES

ARCHITECTURAL

A0 BLDG. CODE SUMMARY / GEN. NOTES & ASSEMBLIES / DOOR/WINDOW SCHEDULES
A1 MAIN FLOOR / ROOF PLANS, REFL. CLG. PLAN
A2 EXTERIOR ELEVATIONS
A3 BUILDING SECTIONS / WINDOW DETAILS
A4 DETAILS

STRUCTURAL

S1 FOUNDATION PLAN, GENERAL NOTES AND DETAILS
S2 ROOF PLAN, SECTION AND DETAILS
S3 BUILDING DETAILS

BUILDING MECHANICAL

M1 PLANS
M2 SECTIONS & DETAILS
M3 EQUIPMENT SCHEDULES
M4 SPECIFICATIONS

ELECTRICAL

E1 240VAC, 120 VAC POWER, INTERNET & TELEPHONE
E2 LIGHTING LAYOUT
E3 ELECTRICAL SPECIFICATIONS



**Associated
Engineering**

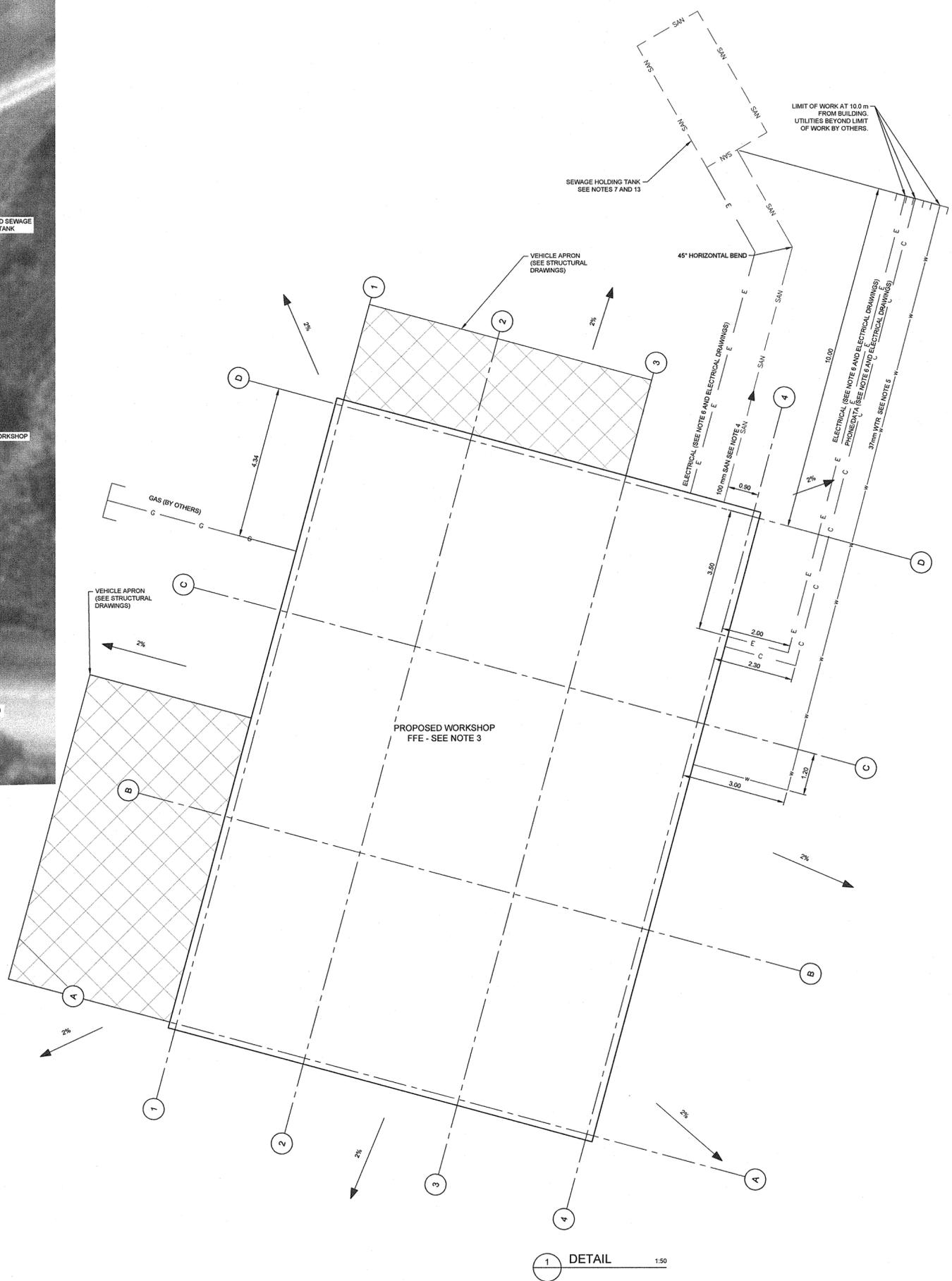
GLOBAL PERSPECTIVE.
LOCAL FOCUS.

ASSOCIATED ENGINEERING
QUALITY MANAGEMENT

ABW Nov 9/15
SIGNATURE DATE



PLAN 1:250



1 DETAIL 1:50

- NOTES:
1. MATERIAL FOR AND EXECUTION OF CIVIL WORKS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF CALGARY STANDARD SPECIFICATIONS FOR WATERWORKS CONSTRUCTION, SEWER CONSTRUCTION, ROADS CONSTRUCTION AND LANDSCAPE CONSTRUCTION.
 2. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR TO SUBMIT EROSION AND SEDIMENT CONTROL PLAN TO ENGINEER FOR REVIEW.
 3. NO TOPOGRAPHIC SURVEY DATA IS AVAILABLE FOR THE PROJECT SITE. WORKSHOP LOCATION AND ORIENTATION TO BE FINALIZED ON SITE. WORKSHOP FINISHED FLOOR ELEVATION TO BE DETERMINED ON SITE BY CONTRACTOR TO ALLOW ADEQUATE POSITIVE DRAINAGE FROM BUILDING.
 4. SANITARY SERVICE TO BE 100 mm PVC DR 28 AT MINIMUM 1% SLOPE, MINIMUM COVER TO BE 1.2 m.
 5. WATER SERVICE TO BE 37.5 mm COPPER OR PEX PIPE, MINIMUM COVER TO BE 3.3 m.
 6. MINIMUM COVER FOR ELECTRICAL AND PHONE/DATA LINES TO BE 1.0 m.
 7. SEWAGE HOLDING TANK TO BE A FIBREGLASS REINFORCED PLASTIC HOLDING TANK TO CSA 886 AND ALBERTA PRIVATE SEWAGE SYSTEMS STANDARD OF PRACTICE, WITH 4500 L (1000 IMP GALLONS) USABLE STORAGE CAPACITY, ONE ACCESS OPENING FOR WASTE REMOVAL, ONE ACCESS MANHOLE, A HIGH WATER ALARM SYSTEM AND DESIGNED FOR 120 VEHICLE LOAD CONDITIONS AND A GROUNDWATER LEVEL AT THE GROUND SURFACE. INSTALL TANK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND PROVIDE MINIMUM COVER OF 1.2 m. USABLE STORAGE INDICATES THE STORAGE VOLUME BELOW THE INLET PIPE INVERT.
 8. STRIP TOPSOIL FROM AREA REQUIRED FOR CONSTRUCTION AND STOCKPILE TOPSOIL AT A LOCATION APPROVED BY ENGINEER.
 9. REPLACE TOPSOIL AFTER ENGINEER HAS ACCEPTED SURGRADE. SEED WITH URBAN F GRASS SEED MIXTURE.
 10. REHABILITATE ALL DISTURBED AREAS TO MATCH EXISTING CONDITIONS. SEED WITH URBAN F GRASS SEED MIXTURE.
 11. ANY TREE REMOVAL REQUIRES PRIOR APPROVAL FROM ENGINEER.
 12. PROPOSED SWALE WILL DISCHARGE OVER EXISTING GRAVEL ROAD.
 13. MINIMUM SETBACK OF 5 m FROM SEWAGE HOLDING TANK TO ELECTRICAL LINE.
 14. A GEOTECHNICAL REPORT PREPARED BY LEVELTON CONSULTANTS LTD. IS AVAILABLE FOR REVIEW.



No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/ Approuvé
0	2015/NOV/04	ISSUED FOR TENDER & CONSTRUCTION	A.G.	C.A.
A	2015/08/28	ISSUED FOR TENDER & CONSTRUCTION	A.G.	C.A.

Revision / Révision	
A	detail number / numéro de détail
B	source drawing no. / no. de dessin
C	detail on drawing no. / détail sur dessin no.

Consultant's Name / Nom de l'expert-consultant: **Associated Engineering**

Eng. Stamp / Sceau de l'ingénieur: **Associated Engineering**

APEGA Permit to Practice P 3979

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Client / client: **Parks Canada Agency / L'Agence Parcs Canada**

Western and Northern Region / Ouest et Nord du Canada

Project title / titre du projet: **BAR-U RANCH WORKSHOP REPLACEMENT**

WATERTON LAKES NATIONAL PARK

Drawing title / titre du dessin: **SITE PLAN WITH UTILITIES**

Surveyed by/Arpenté par: BARRY PRAIT	Drawn by/Dessiné par: BARRY PRAIT	Date/Date: MAR 27, 2015
Designed by/Concept par: RICHARD BELTRAN	Revised by/Révisé par: AS SHOWN	Scale/Echelle: AS SHOWN
PWSSC Project Manager/Administrateur de Projets TPSGC		
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