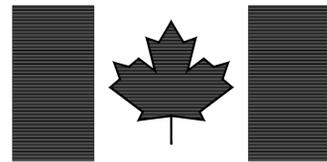




McElhanney

McElhanney Consulting Services Ltd.

for / pour



Parks Canada Agency
Western and Northern
Region

Parcs Canada
Région de l'Ouest et du
Nord

**ROCK CREEK CAMPGROUND
& DAY USE AREA
PHASE 01**

GRASSLANDS NATIONAL PARK, SK

ISSUED FOR TENDER

JULY 2016

ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 1

LANDSCAPE DRAWINGS:

- L1.1 EXISTING CONDITIONS AND DEMOLITION PLAN
- L2.1 OVERALL LAYOUT PLAN
- L2.2 DETAILED LAYOUT PLAN - CAMPSITES
- L2.3 DETAILED LAYOUT AND PLANTING PLAN - MISCELLANEOUS AREAS
- L3.1 EQUESTRIAN ACCESS GRADING PLAN
- L4.1 PLANTING PLAN
- L5.1 GREY WATER REDISTRIBUTION LAYOUT PLAN
- L6.1 TRAFFIC CONTROL SIGNAGE PLAN
- L7.1 PAVING, PLANTING AND RIP-RAP CHANNEL DETAILS
- L7.2 WATER STATION DETAILS
- L7.3 STRUCTURE DETAILS
- L7.4 FURNISHING DETAILS

CIVIL DRAWINGS:

- C1.0 WATER SERVICE PLAN
- C1.1 WATER SERVICE PLAN
- C1.2 CIVIL GRADING PLAN
- C1.3 CIVIL DETAILS
- C1.4 CIVIL SERVICING DETAILS

SITE ELECTRICAL DRAWINGS:

- E1.0 ELECTRICAL SITE PLAN & SINGLE LINE DIAGRAM
- E2.0 ELECTRICAL SITE PLAN TRANSFORMER 1&2
- E3.0 ELECTRICAL SITE PLAN TRANSFORMER 3&4
- E4.0 ELECTRICAL SPECIFICATIONS AND PANEL SCHEDULES
- E5.0 ELECTRICAL 30A AND 50A RV PEDESTALS, DETAILS AND WIRING DIAGRAMS
- E6.0 ELECTRICAL KIOSK AND TRENCH DETAILS
- E7.0 ELECTRICAL SUMMER KITCHEN DETAILS

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02	APR.15.16	ISSUED FOR 95% CLIENT REVIEW	DD	KW/GH
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
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Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/client	
 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada

Consultant's Name Nom de l'expert-conseil

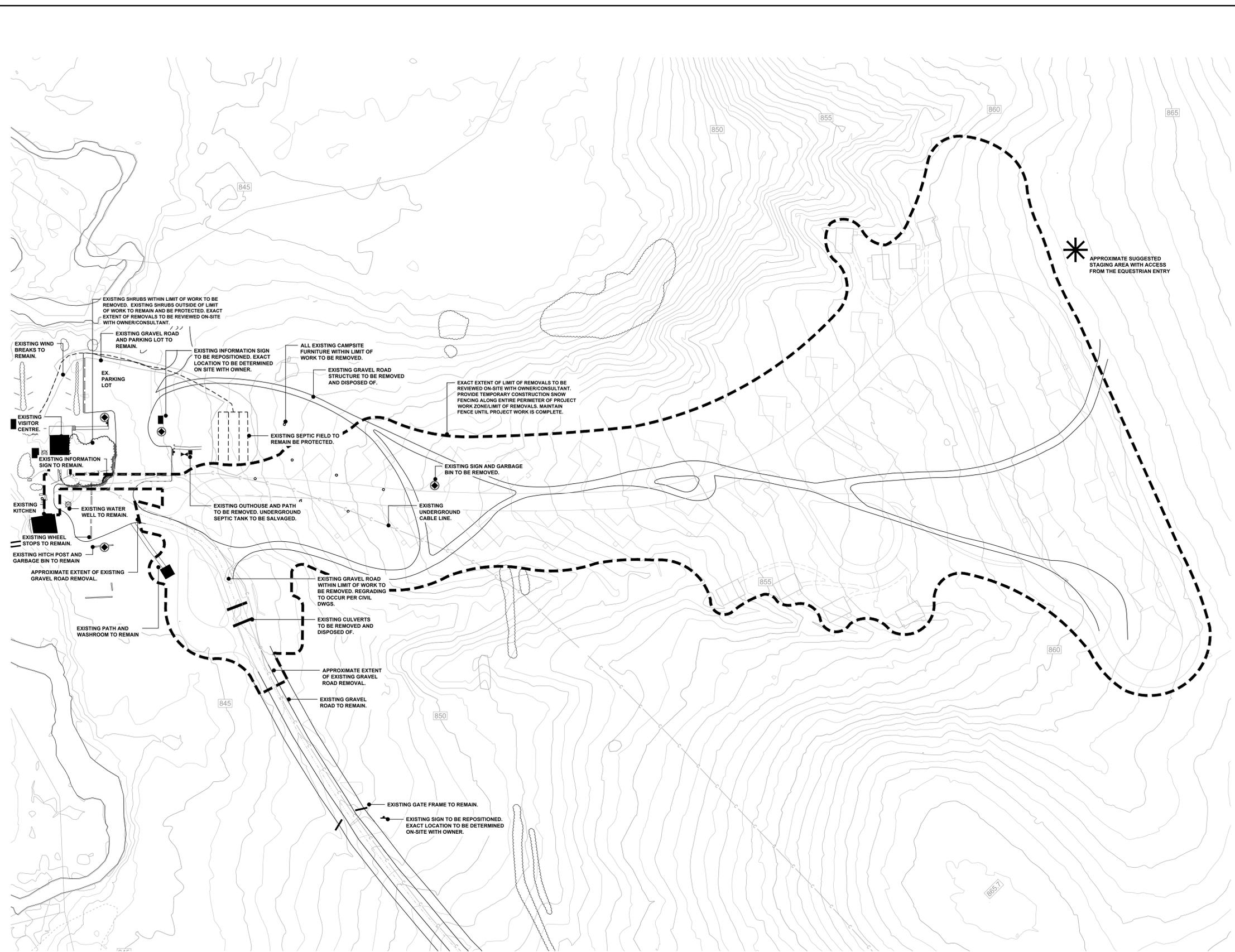

Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
LIST OF DRAWINGS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parcs Canada		Parks Canada Project Manager/Administrateur de Projets Parcs Canada
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		

NOT FOR CONSTRUCTION

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 July 21, 2016, 17:13:54
 Project:



LEGEND
 - - - - - PROJECT LIMIT

- NOTES:**
- COORDINATE ALL EXISTING UTILITY REMOVALS AND MODIFICATIONS WITH CIVIL DRAWINGS.
 - ALL UTILITY LOCATIONS APPROXIMATE. ALL UTILITIES MUST BE LOCATED IN FIELD PRIOR TO ANY EXCAVATION. CONTACT SASKATCHEWAN 1st CALL (1-866-828-4888), ENSURE ALL UTILITY INSTALLATION HAVE BEEN COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - ALL EXISTING VEGETATION AND INFRASTRUCTURE, OUTSIDE OF LIMIT OF WORK TO REMAIN AND BE PROTECTED.
 - ALL ITEMS AND MATERIALS NOTED AS 'REMOVED' TO BE REMOVED AND DISPOSED OF OFF-SITE.
 - STRIP ALL SOD AND TOP LEVEL VEGETATION - REMOVE AND DISPOSE OF OFF-SITE. STRIP TOPSOIL TO AN APPROXIMATE DEPTH OF 50mm - STOCKPILE TOPSOIL FOR REUSE. LOCATION OF STOCKPILE TO BE REVIEWED ON-SITE WITH OWNER. STRIPPING EXTENTS TO BE REVIEWED ON-SITE WITH OWNER/CONSULTANT PRIOR TO WORK COMMENCING. REVIEW QUALITY OF EXISTING SALVAGED TOPSOIL WITH OWNER & CONSULTANT PRIOR TO DISTRIBUTION AMONGST THE SITE.
 - ALL ITEMS AND MATERIALS NOTED AS 'SALVAGED' TO BE REMOVED AND STORED AT A LOCATION DIRECTED BY THE OWNER. SALVAGE LOCATION TO BE ADJACENT PROJECT SITE.
 - ALL ITEMS AND MATERIALS NOTED 'TO REMAIN' TO BE LEFT IN PLACE AND PROTECTED THROUGH DURATION OF CONSTRUCTION.
 - SOME ITEMS NOTED AS 'REMOVED' MAY ALREADY BE GONE AT TIME OF CONSTRUCTION. REVIEW ALL EXISTING ELEMENTS WITH OWNER PRIOR TO CONSTRUCTION.

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04	JUL.21.16	ISSUED FOR TENDER	DD	KW/GH
03	JUL.01.16	REISSUED FOR 95% CLIENT REVIEW	DD	KW/GH
02	APR.15.16	ISSUED FOR 95% CLIENT REVIEW	DD	KW/GH
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

Revision / Revision	

Consultant's Stamp
 Scieu de l'expert-conseil

Eng. Stamp
 Scieu de l'ingénieur

Client/Client

Parks Canada Agency
 Western and Northern Region

L'Agence Parcs Canada
 Ouest et Nord du Canada

Consultant's Name
 Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

**ROCK CREEK CAMPGROUND
 AND DAY USE AREA
 PHASE 01**

GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin

**EXISTING CONDITIONS AND
 DEMOLITION PLAN**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD:NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
 COLIN SCHMIDT

Client Acceptance/Acceptation du client

Approved by/Approuvé par

Parks Canada Responsible Officer/Agent Responsable
 Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Project No./No. du projet

Asset No./No. de bien

Sheet No./
No. de la feuille

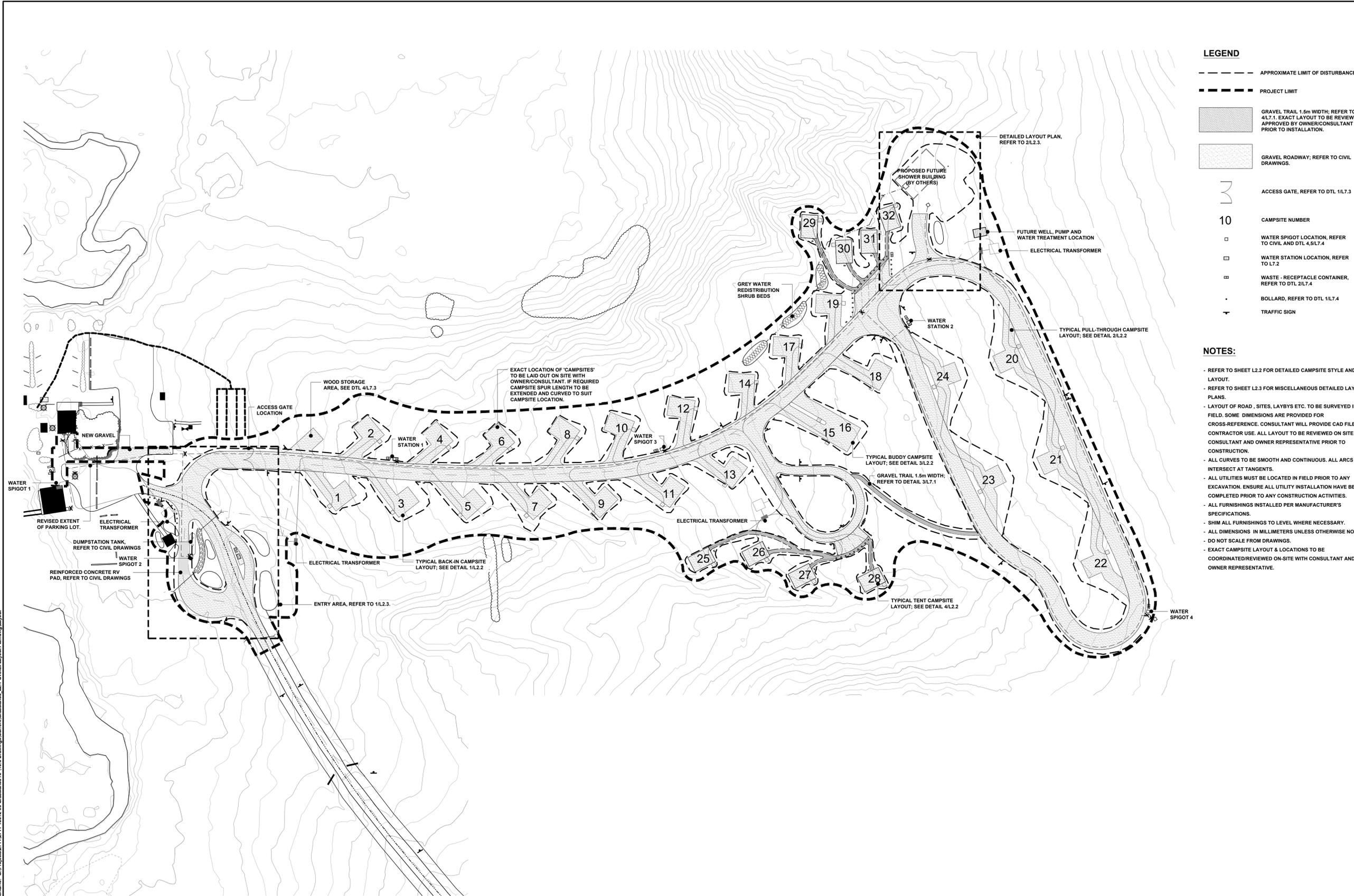
Drawing Reference No./No. de référence du dessin
 2711 16012 - 00

L1.1

1
L1.1
EXISTING CONDITION AND DEMOLITION PLAN
 SCALE 1:750

NOT FOR CONSTRUCTION

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 Plotter:



- LEGEND**
- - - - - APPROXIMATE LIMIT OF DISTURBANCE
 - - - - - PROJECT LIMIT
 - [Hatched Box] GRAVEL TRAIL 1.5m WIDTH; REFER TO DTL 4/L7.1. EXACT LAYOUT TO BE REVIEWED & APPROVED BY OWNER/CONSULTANT PRIOR TO INSTALLATION.
 - [Dotted Box] GRAVEL ROADWAY; REFER TO CIVIL DRAWINGS.
 - [Symbol] ACCESS GATE, REFER TO DTL 1/L7.3
 - 10 CAMPSITE NUMBER
 - [Symbol] WATER SPIGOT LOCATION, REFER TO CIVIL AND DTL 4/S/L7.4
 - [Symbol] WATER STATION LOCATION, REFER TO L7.2
 - [Symbol] WASTE - RECEPTACLE CONTAINER, REFER TO DTL 2/L7.4
 - [Symbol] BOLLARD, REFER TO DTL 1/L7.4
 - [Symbol] TRAFFIC SIGN

- NOTES:**
- REFER TO SHEET L2.2 FOR DETAILED CAMPSITE STYLE AND LAYOUT.
 - REFER TO SHEET L2.3 FOR MISCELLANEOUS DETAILED LAYOUT PLANS.
 - LAYOUT OF ROAD, SITES, LAYBYS ETC. TO BE SURVEYED IN FIELD. SOME DIMENSIONS ARE PROVIDED FOR CROSS-REFERENCE. CONSULTANT WILL PROVIDE CAD FILE FOR CONTRACTOR USE. ALL LAYOUT TO BE REVIEWED ON SITE w/ CONSULTANT AND OWNER REPRESENTATIVE PRIOR TO CONSTRUCTION.
 - ALL CURVES TO BE SMOOTH AND CONTINUOUS. ALL ARCS TO INTERSECT AT TANGENTS.
 - ALL UTILITIES MUST BE LOCATED IN FIELD PRIOR TO ANY EXCAVATION. ENSURE ALL UTILITY INSTALLATION HAVE BEEN COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - ALL FURNISHINGS INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - SHIM ALL FURNISHINGS TO LEVEL WHERE NECESSARY.
 - ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - DO NOT SCALE FROM DRAWINGS.
 - EXACT CAMPSITE LAYOUT & LOCATIONS TO BE COORDINATED/REVIEWED ON-SITE WITH CONSULTANT AND OWNER REPRESENTATIVE.

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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
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Project title/Titre du projet
**ROCK CREEK CAMPGROUND
 AND DAY USE AREA
 PHASE 01**
 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
OVERALL LAYOUT PLAN

Surveyed by/Argente par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN

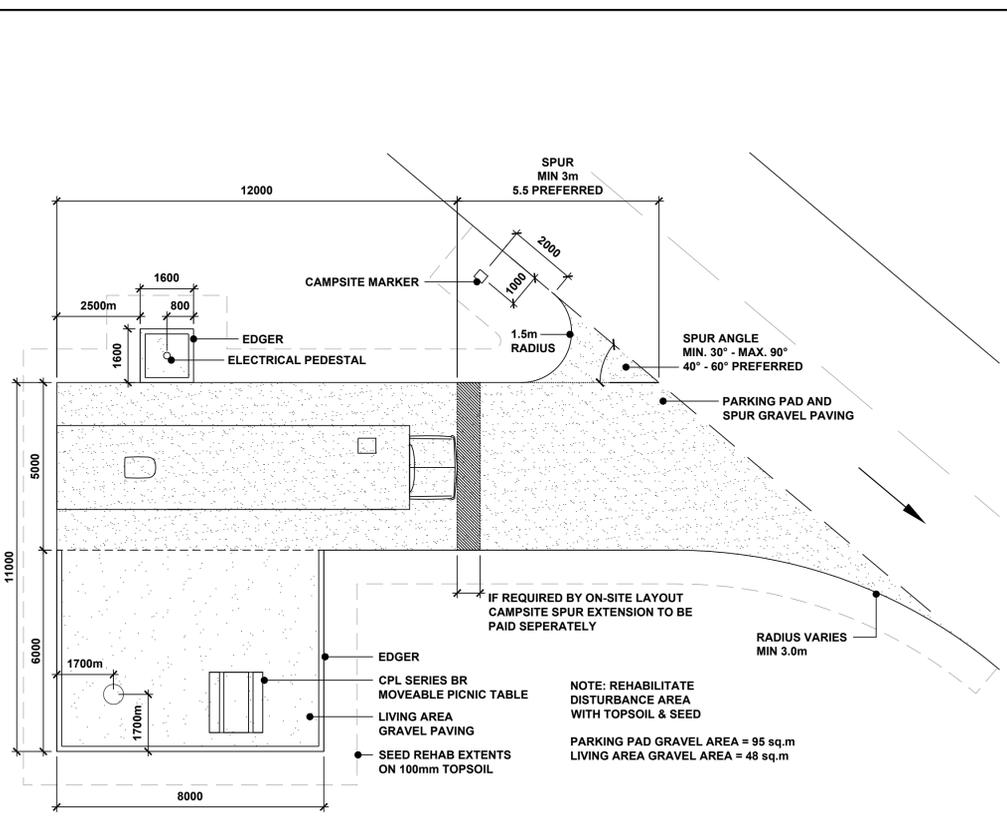
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		Client Acceptance/Acceptation du client	Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parcs Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada	Project No./No. du projet	Asset No./No. de bien
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		Sheet No./ No. de la feuille L2.1	

1
L2.1
LAYOUT PLAN
SCALE 1:750

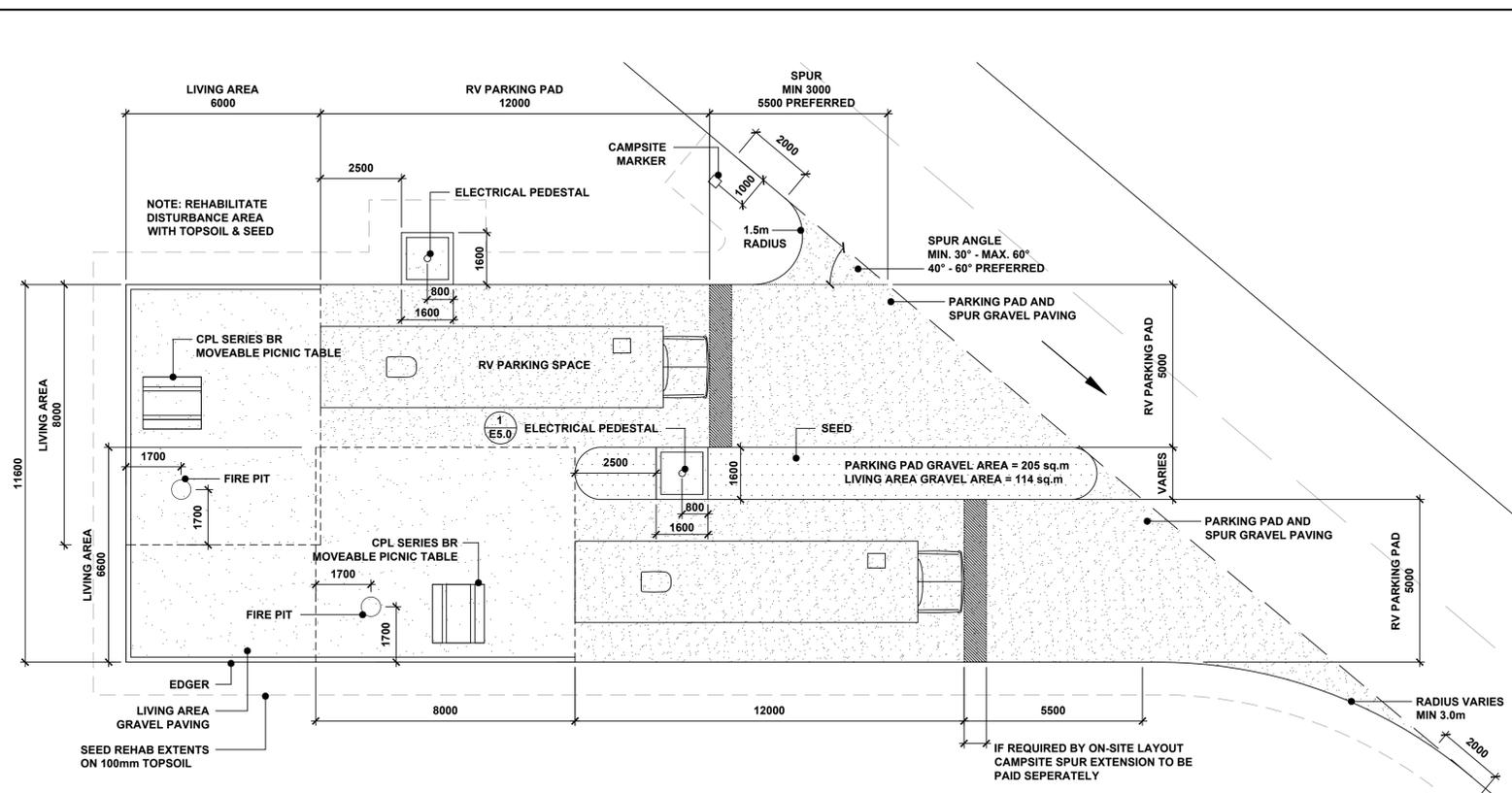
NOT FOR CONSTRUCTION



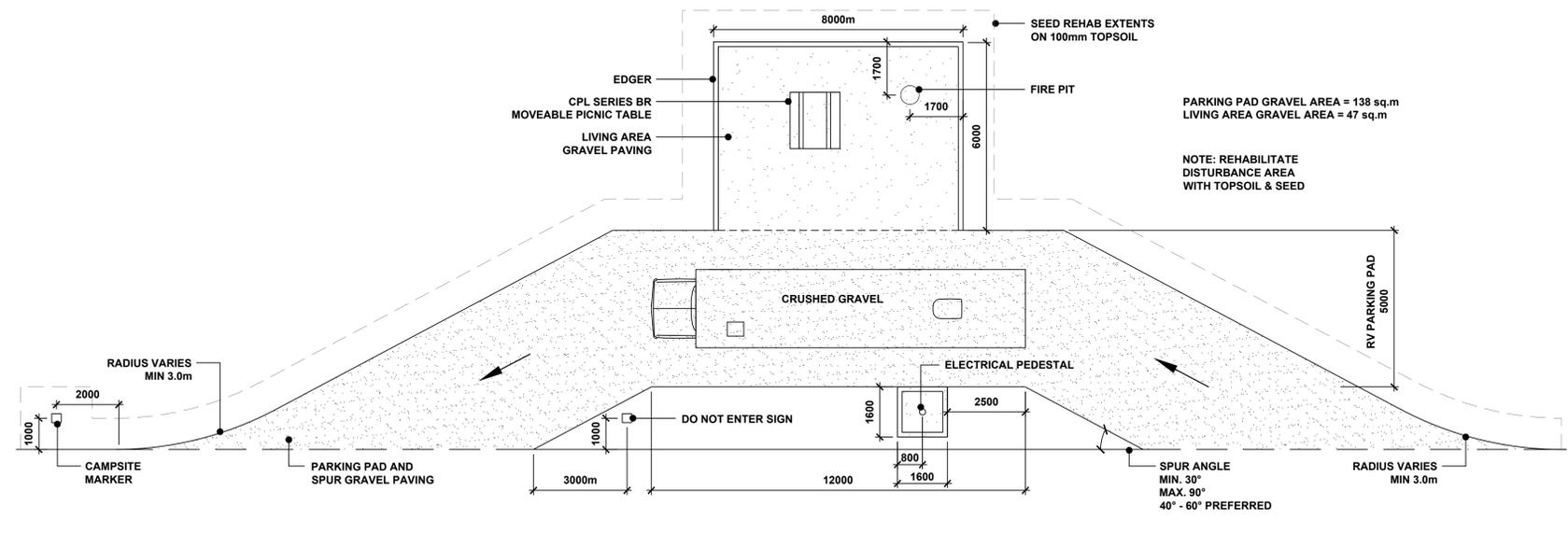
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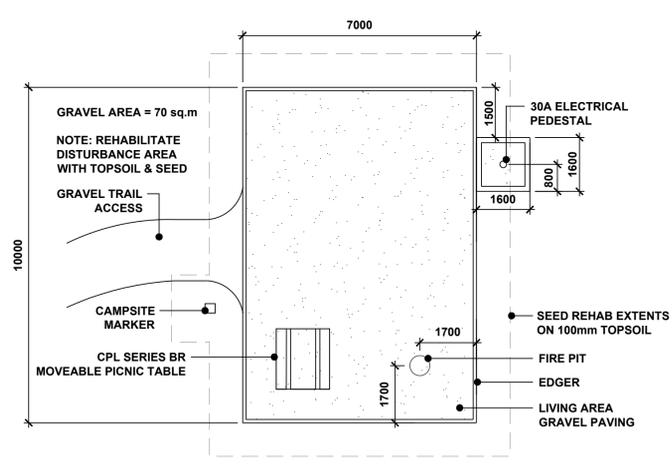
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L2.2
SCALE 1:100
TYPICAL BACK-IN CAMPSITE DETAIL



3
L2.2
SCALE 1:100
TYPICAL BUDDY CAMPSITE DETAIL



2
L2.2
SCALE 1:100
TYPICAL PULL-THROUGH CAMPSITE DETAIL



4
L2.2
SCALE 1:100
TYPICAL TENT CAMPSITE DETAIL

- LEGEND**
- CAMPSITE MARKER; REFER TO DTL 9/L7.4
 - FIRE PIT; REFER TO DTL 3/L7.4
 - PICNIC TABLE; REFER TO DTL 8/L7.4
 - RV PEDESTAL; REFER TO ELECTRICAL
 - EDGER; REFER TO DTL 5/L7.1
 - PARKING PAD GRAVEL PAVING; REFER TO DTL 1/L7.1
 - LIVING AREA GRAVEL PAVING; REFER TO DTL 2/L7.1

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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

Consultant's Stamp
Scieur de l'expert-conseil

Eng. Stamp
Scieur de l'ingénieur

Client/client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs Canada
Ouest et Nord du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanny

Project title/Titre du projet

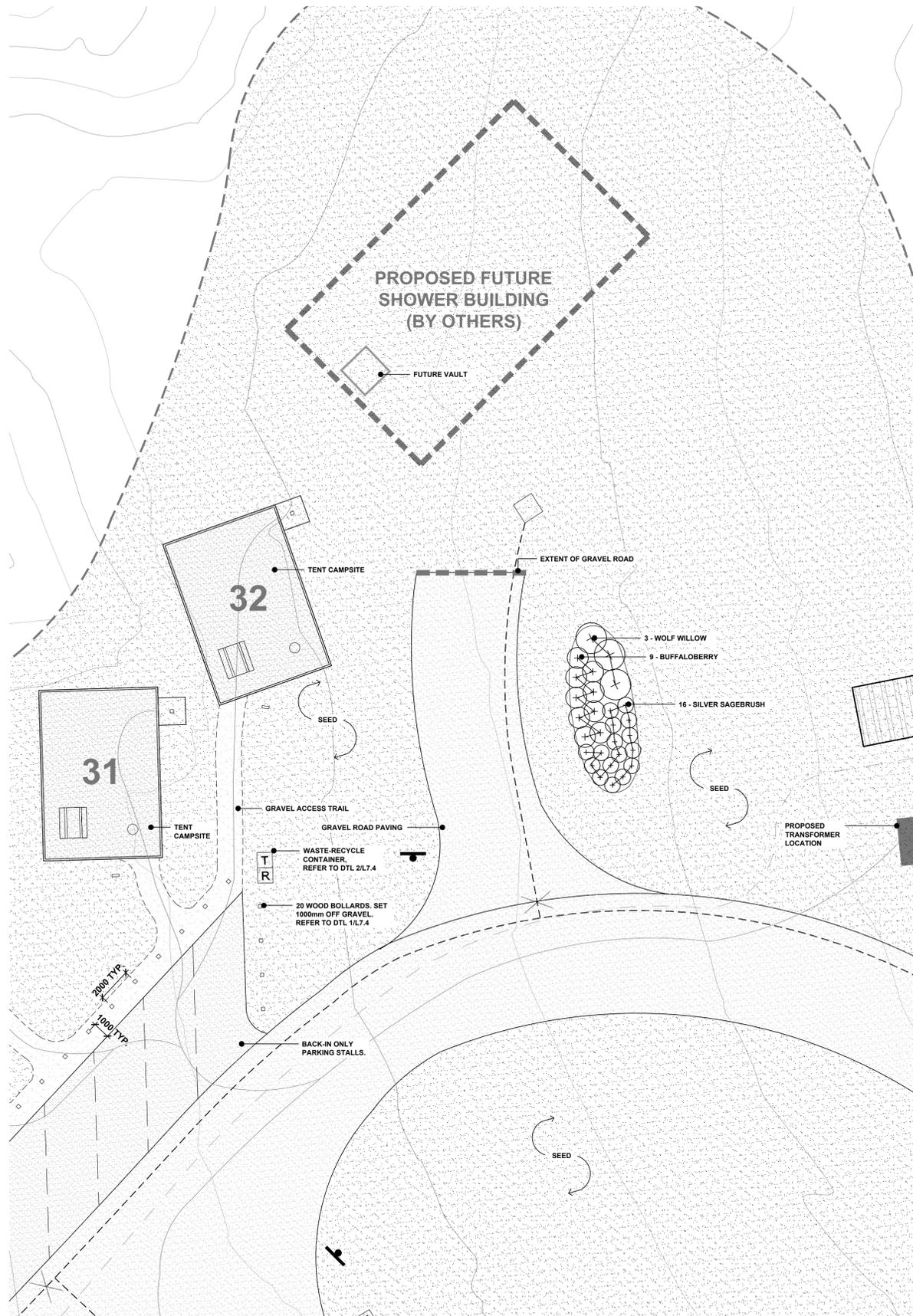
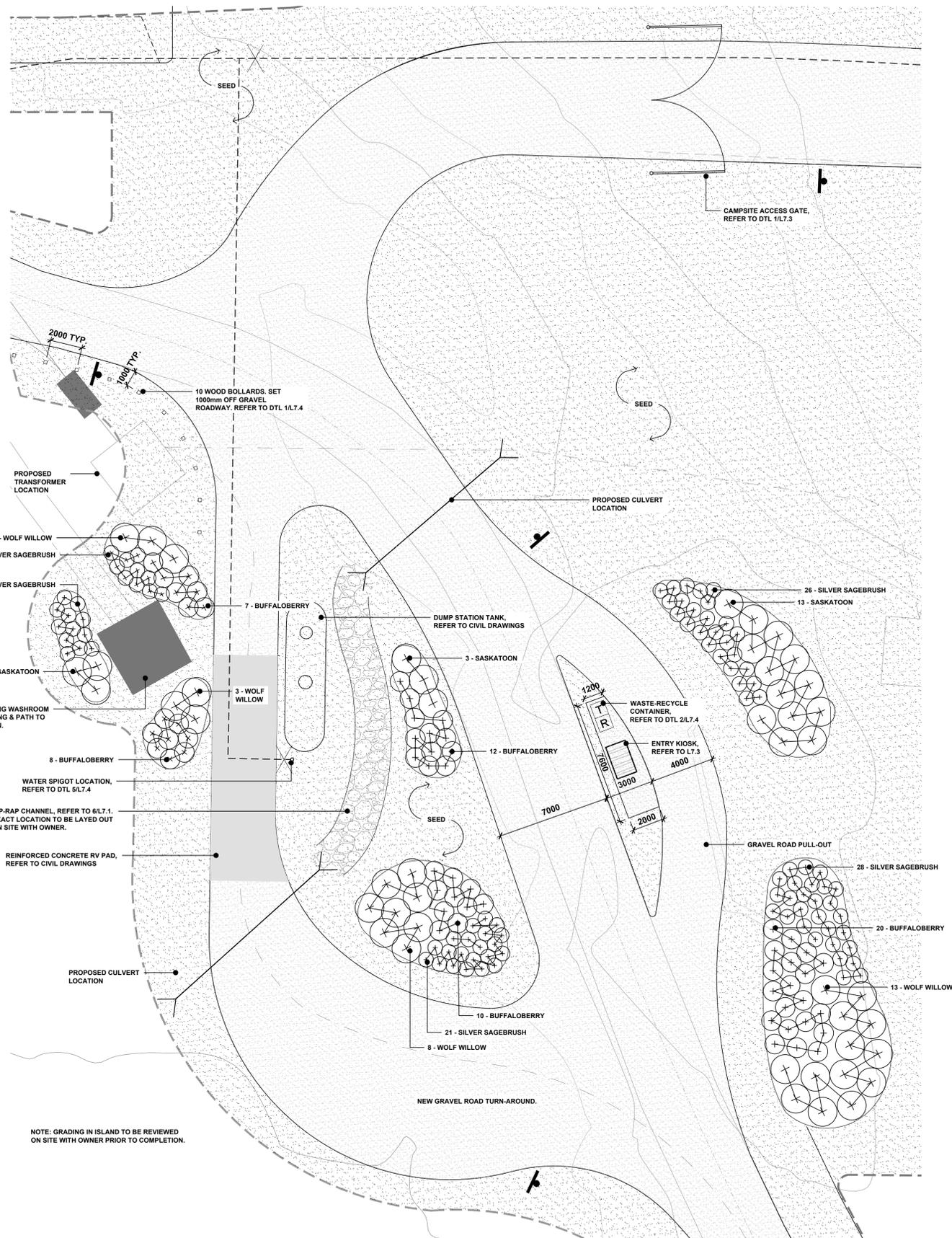
**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01
GRASSLANDS NATIONAL PARK, SK**

Drawing title/Titre du dessin

**DETAILED LAYOUT PLANS
- CAMPSITES**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD:NG	Date/Date JUL. 21. 2016
Designed by/Concepté par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet		Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		Sheet No./ No. de la feuille L2.2

July 21, 2016 - 14:40:34
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1
L2.3 DETAILED LAYOUT AND PLANTING PLAN - ENTRY AREA
SCALE 1:150

2
L2.3 DETAILED LAYOUT AND PLANTING PLAN - WASHROOM / SHOWER BUILDING
SCALE 1:150

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Revision / Revision	

Consultant's Stamp Scieu de l'expert-conseil	Eng. Stamp Scieu de l'ingénieur
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Client/Client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
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Consultant's Name Nom de l'expert-conseil	McElhanny
--	------------------

Project title/Titre du projet	ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01 GRASSLANDS NATIONAL PARK, SK
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Drawing title/Titre du dessin	DETAILED LAYOUT AND PLANTING PLAN - MISCELLANEOUS AREAS
-------------------------------	--

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	DD:NG	JUL 21 2016

Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
GH	KW/GH	AS SHOWN

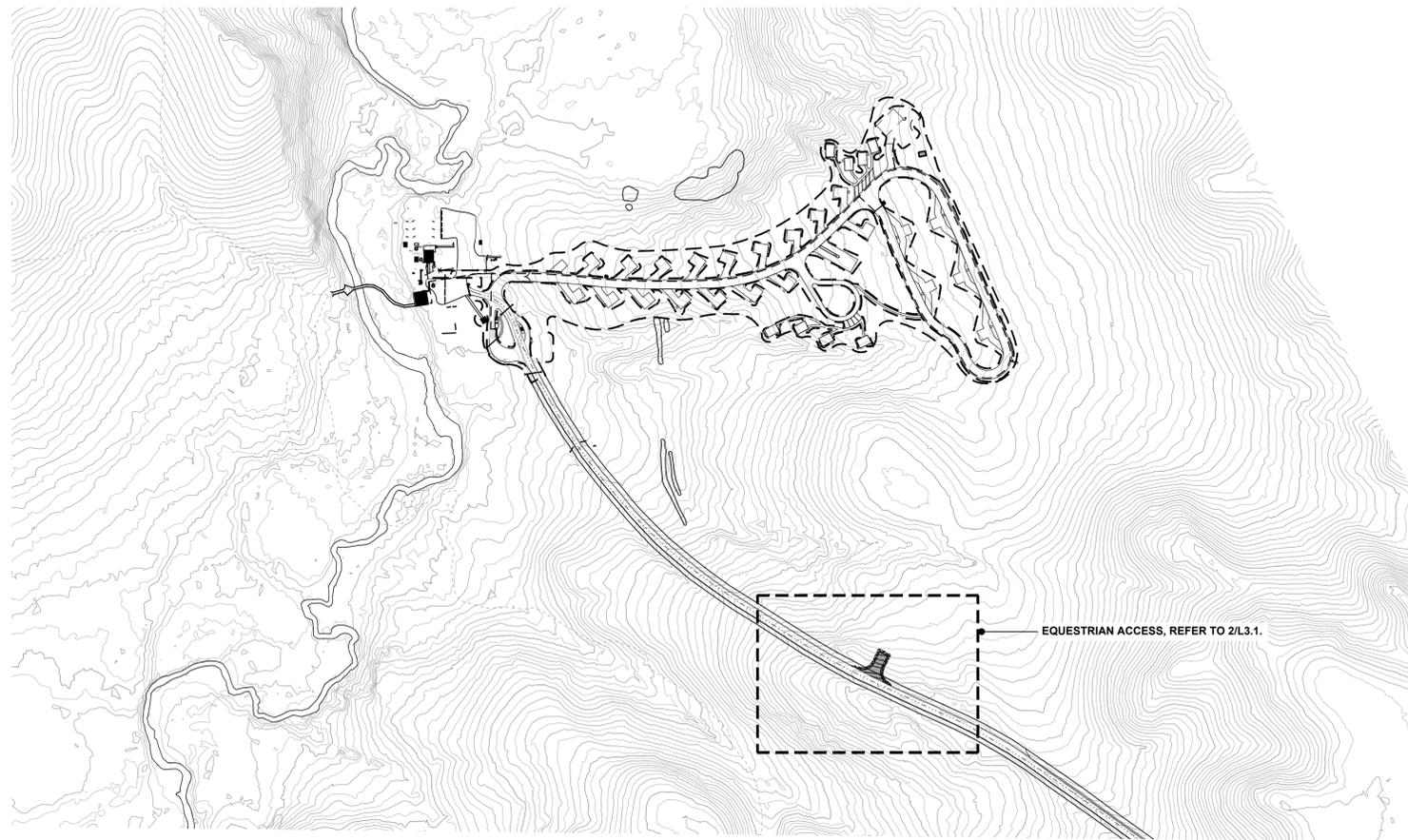
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client	Approved by/Approuvé par	

Parks Canada Responsible Officer/Agent Responsable Parcs Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
Project No./No. du projet	Asset No./No. du bien
Drawing Reference No./No. de référence du dessin	

2711 16012 - 00 **L2.3**

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NOT FOR CONSTRUCTION



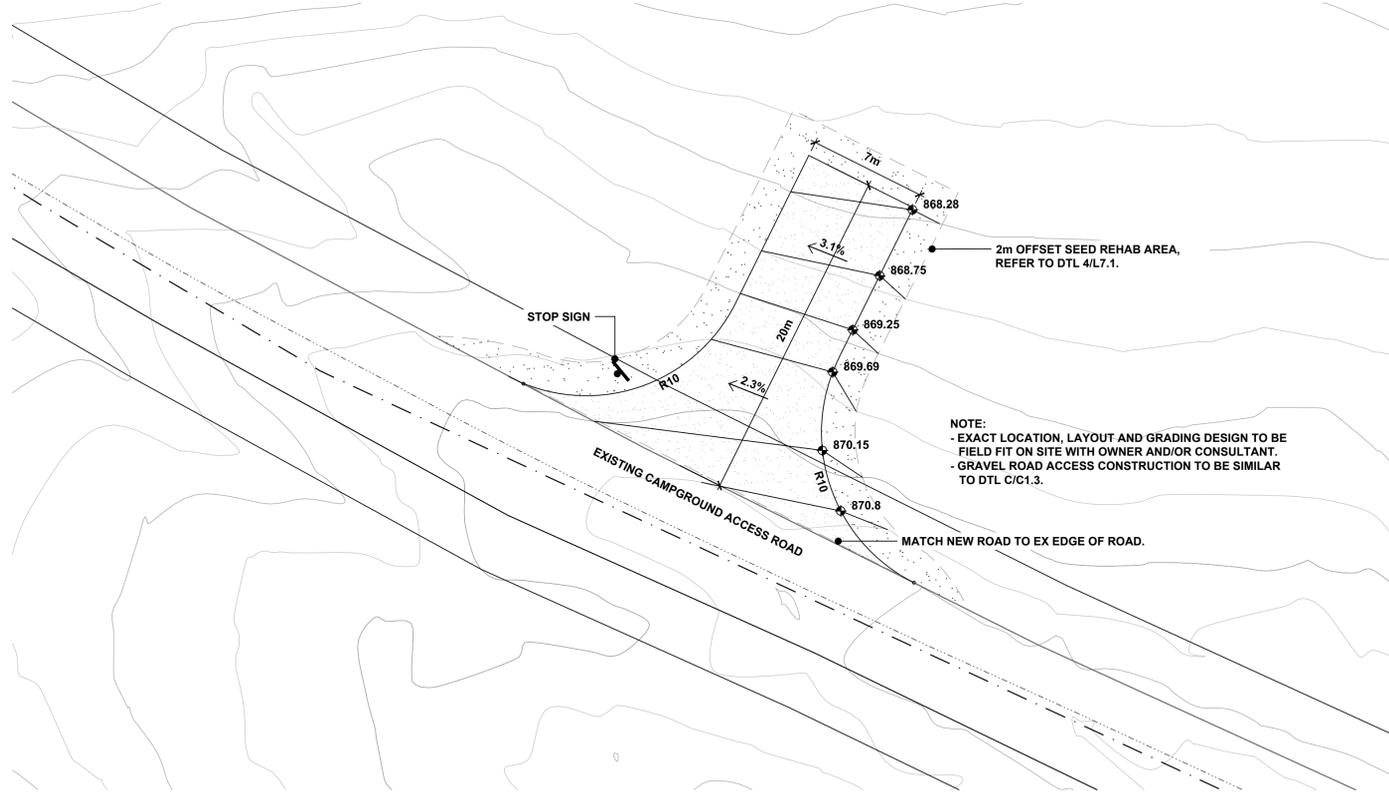
LEGEND

- 855.0— EXISTING MAJOR CONTOUR @ 5.0m INTERVALS
- 857.0— EXISTING MINOR CONTOUR @ 1.0m INTERVALS
- 858.0— PROPOSED MAJOR CONTOUR @ 1.0m INTERVALS
- 858.2— PROPOSED MINOR CONTOUR @ 0.2m INTERVALS
- 858.2 EXISTING ELEVATIONS
- 76.60# PROPOSED ELEVATION
- 2% → DIRECTION OF DRAINAGE
- 4.6% → PROPOSED SWALE

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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH
No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé

1
L3.1
EQUESTRIAN ACCESS KEY PLAN
SCALE 1:2500



2
L3.1
EQUESTRIAN ACCESS DETAIL
SCALE 1:200

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/Client
 Parks Canada Agency
 Western and Northern Region
 L'Agence Parcs Canada
 Ouest et Nord du Canada

Consultant's Name
 Nom de l'expert-conseil

Project title/Titre du projet
**ROCK CREEK CAMPGROUND
 AND DAY USE AREA
 PHASE 01**
 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
**EQUESTRIAN ACCESS
 GRADING PLAN**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DDING	Date/Date JUL 21 2016
Designed by/Concepté par GH	Reviewed by/Revisé par KWIGH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
 COLIN SCHMIDT

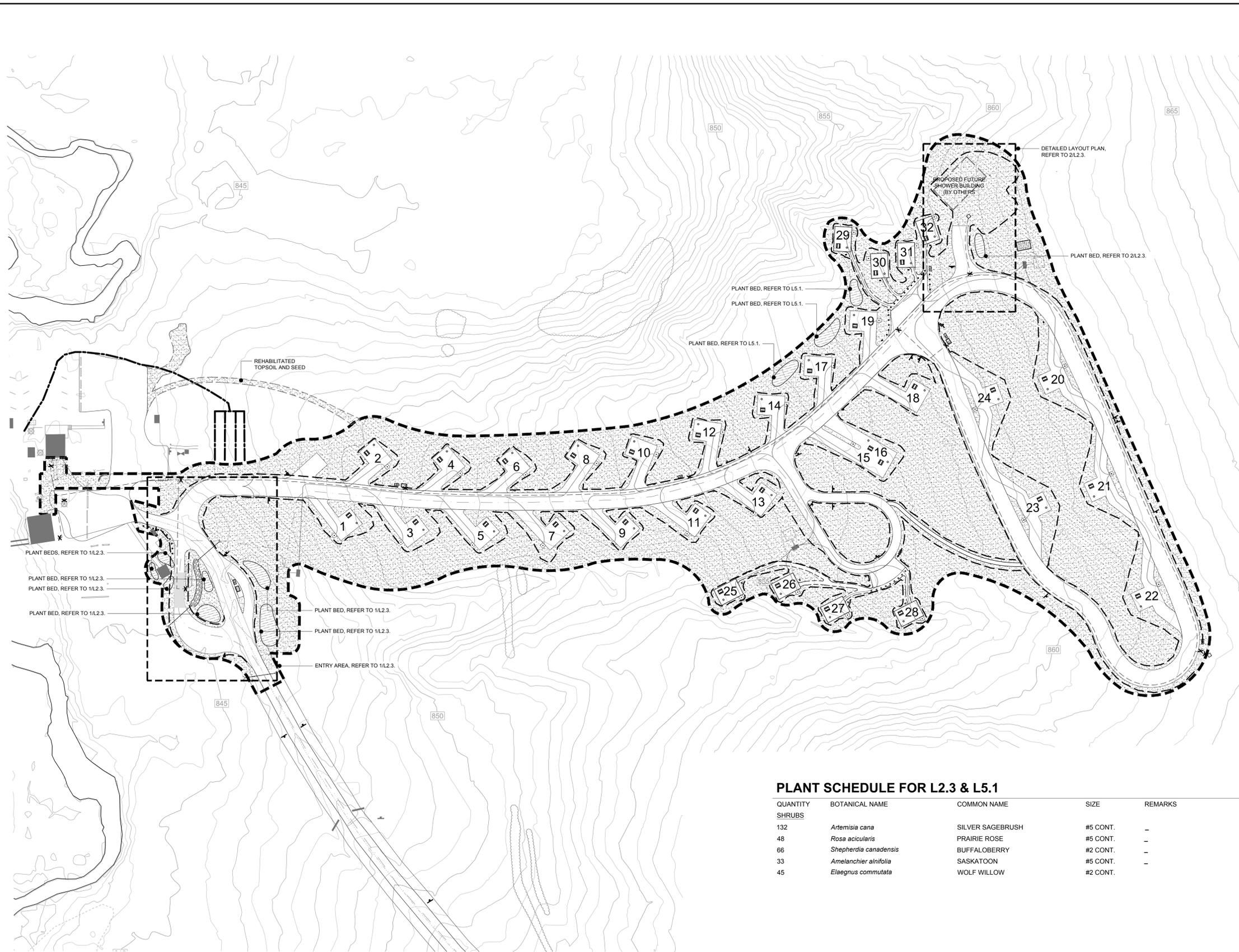
Client Acceptance/Acceptation du client	Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parcs Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
Project No./No. du projet	Asset No./No. du bien
Drawing Reference No./No. de référence du dessin	

2711 16012 - 00
L3.1



NOT FOR CONSTRUCTION

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 July 21, 2016 14:42:48
 Plotter:



LEGEND

- - - - - APPROXIMATE LIMIT OF DISTURBANCE
- — — — — PROJECT LIMIT
- [Stippled Box] SEED ON 100mm TOPSOIL
SEED TO BE SUPPLIED BY OWNER
- [Hatched Box] WOOD CHIP MULCH

- NOTES:**
- ALL SHRUB BEDS TO BE MIN. 450mm DEPTH SOIL MIX.
 - ALL SHRUB BEDS c/w 75mm WOOD CHIP MULCH.
CONTRACTOR TO PROVIDE MULCH SAMPLE FOR OWNER REVIEW.
 - IMPORTED SOIL MIX FOR TREE, SHRUB, AND SEED BEDS TO BE PER PROJECT SPECIFICATIONS. SUBMIT ALL TESTING REQUIREMENTS TO CONSULTANT FOR REVIEW.
 - SEED CERTIFICATES TO BE PROVIDED TO PARKS CANADA PRIOR TO PRODUCT DELIVERY TO SITE. REFER TO SPECIFICATIONS FOR SEED MIX AND APPLICATION RATE.
 - ALL UTILITIES MUST BE LOCATED IN FIELD PRIOR TO ANY EXCAVATION. ENSURE ALL UTILITY INSTALLATIONS HAVE BEEN COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - ALL CONTRACTOR ACCESS PATHS TO BE DE-COMPACTED AND REHABILITATED WITH TOPSOIL AND SEED.

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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/Client

Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
--	--

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet

**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01**

GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin

PLANTING PLAN

Surveyed by/Argenté par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
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Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN
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Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Parcs Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
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Project No./No. du projet	Asset No./No. de bien	Sheet No./ No. de la feuille
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Drawing Reference No./No. de référence du dessin
2711 16012 - 00

L4.1

PLANT SCHEDULE FOR L2.3 & L5.1

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUBS				
132	<i>Artemisia cana</i>	SILVER SAGEBRUSH	#5 CONT.	-
48	<i>Rosa acicularis</i>	PRAIRIE ROSE	#5 CONT.	-
66	<i>Shepherdia canadensis</i>	BUFFALOBERRY	#2 CONT.	-
33	<i>Amelanchier alnifolia</i>	SASKATOON	#5 CONT.	-
45	<i>Elaeagnus commutata</i>	WOLF WILLOW	#2 CONT.	-

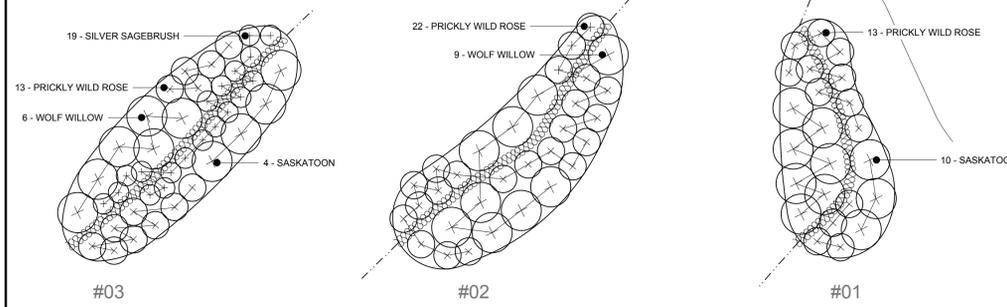
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L4.1
PLANTING PLAN
SCALE 1:750

NOT FOR CONSTRUCTION



Project: G:\Projects\2711\2711_16012_00_Grasslands_NP\10.0_Dimings\Current\Grasslands_L4.1_Planting Plan.dwg L4.1 Planting Plan
July 21, 2016, 17:31:10
Filename: G:\Projects\2711\2711_16012_00_Grasslands_NP\10.0_Dimings\Current\Grasslands_L4.1_Planting Plan.dwg L4.1 Planting Plan

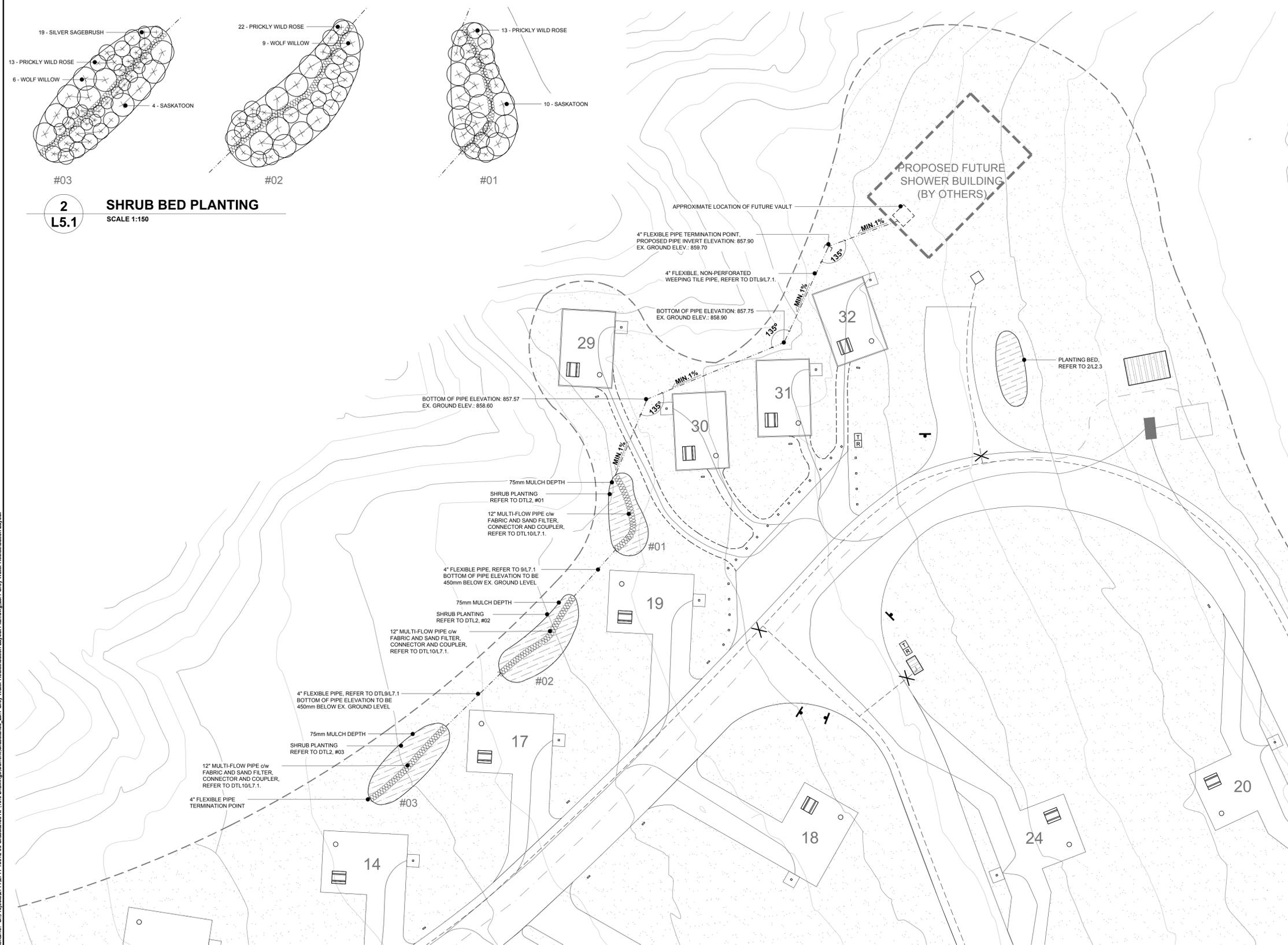
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 Project:



2
L5.1
SHRUB BED PLANTING
SCALE 1:150

1
L5.1
GREY WATER REDISTRIBUTION LAYOUT PLAN
SCALE 1:250

NOT FOR CONSTRUCTION



- LEGEND**
- LIMIT OF PROJECT
 - 4" FLEXIBLE, NON-PERFORATED WEeping TILE PIPE, REFER TO 9/L7.1.
 - 12" MULTI-FLOW PIPE c/w FABRIC AND SAND FILTER, CONNECTOR AND COUPLER, TO BE PLACED HORIZONTALLY IN PLANTING BED, BY NILEX OR APPROVED ALTERNATIVE REFER TO 10/L7.1.
 - 75mm DEPTH MULCH

- NOTES:**
- ALL SHRUB BED TO BE MIN. 450mm DEPTH SOIL MIX.
 - ALL SHRUB BED c/w 75mm WOOD CHIP MULCH.
 - IMPORTED SOIL MIX FOR TREE, SHRUB, AND SEED BEDS TO BE PER PROJECT SPECIFICATIONS. SUBMIT ALL TESTING REQUIREMENTS TO CONSULTANT FOR REVIEW.
 - SEED CERTIFICATES TO BE PROVIDED TO PARKS CANADA PRIOR TO PRODUCT DELIVERY TO SITE.
 - ALL UTILITIES MUST BE LOCATED IN FIELD PRIOR TO ANY EXCAVATION. ENSURE ALL UTILITY INSTALLATIONS HAVE BEEN COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - ALL CONTRACTOR ACCESS PATHS TO BE DE-COMPACTED AND REHABILITATED WITH TOPSOIL AND SEED.

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

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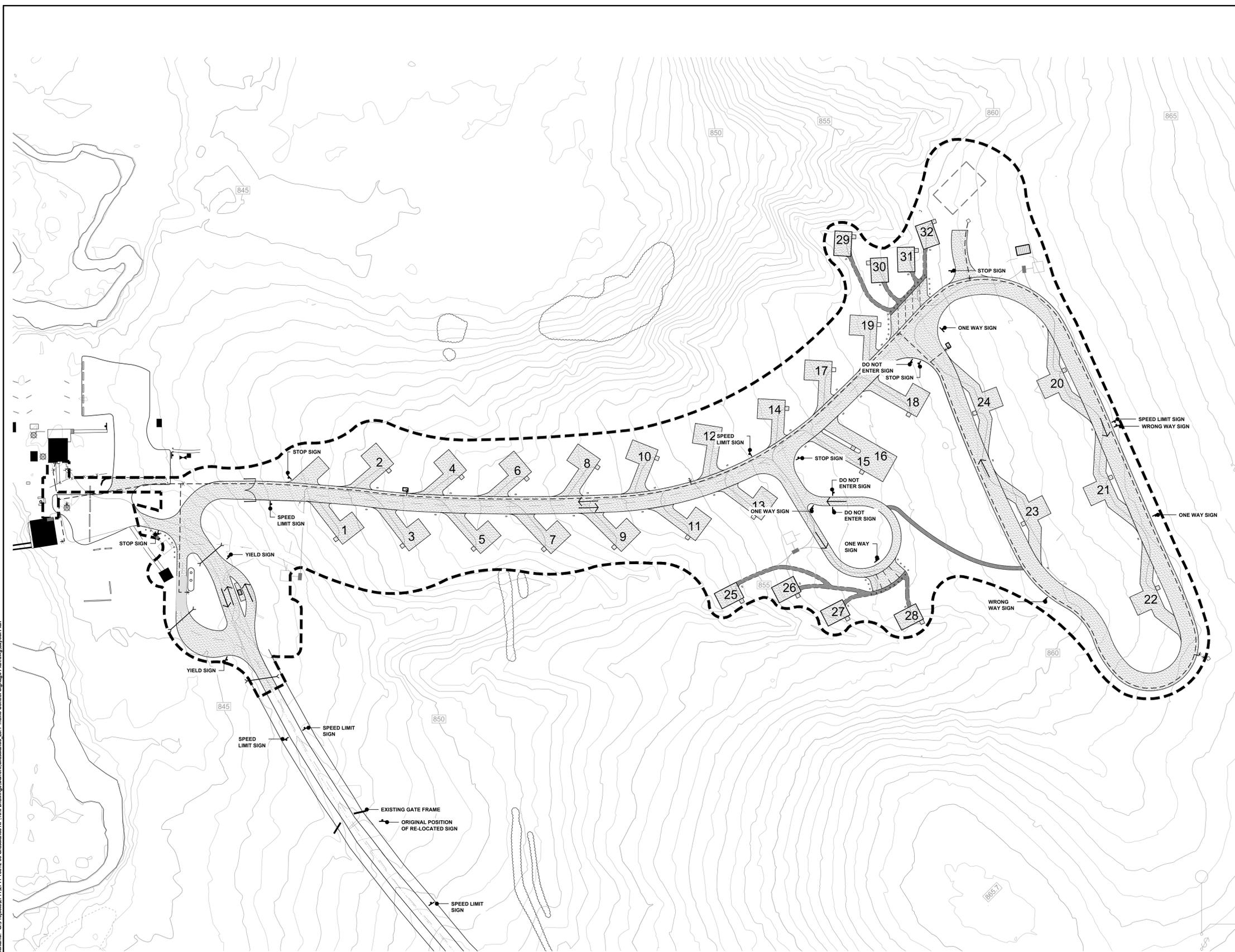
Client/Client	
Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada



Project title/Titre du projet
**ROCK CREEK CAMPGROUND
 AND DAY USE AREA
 PHASE 01**
 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
**GREY WATER REDISTRIBUTION
 LAYOUT PLAN**

Surveyed by/Argente par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Parks Canada Responsible Officer/Agent Responsable Parcs Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada	
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		L5.1



- LEGEND**
- PROJECT LIMIT
 - ~ CONCRETE WALK; REFER TO DTL1/L7.3
 - 10 CAMPSITE NUMBER
 - ▲ TRAFFIC SIGNAGE

NOTES:

- SIGN LOCATION LAYOUT IN ACCORDANCE WITH TRANSPORTATION ASSOCIATION OF CANADA (TAC) MANUAL OF UNIFORM CONTROL DEVICES FOR CANADA (2014) AND PARKS CANADA EXTERIOR SIGNAGE GUIDELINES & PRINCIPLES
- REFER TO PARKS CANADA EXTERIOR SIGNAGE GUIDELINES & PRINCIPLES FOR TYPICAL SIGN POST DETAIL, SIGN STYLES AND GRAPHICS.
- SIGN STYLES AND GRAPHICS ALSO PER TAC MANUAL OF UNIFORM CONTROL DEVICES FOR CANADA (2014) FOR TYPICAL SIGN POST DETAIL.
- SIGN LOCATION LAYOUT TO BE REVIEWED IN FIELD WITH CONSULTANT/OWNER PRIOR TO INSTALLATION.

DRAWINGS PREPARED BY

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Client/client

Parks Canada Agency
Western and Northern Region

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Consultant's Name
Nom de l'expert-conseil



Project title/Titre du projet

**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01**

GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin

**TRAFFIC CONTROL SIGNAGE
PLAN**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD:NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW:GH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

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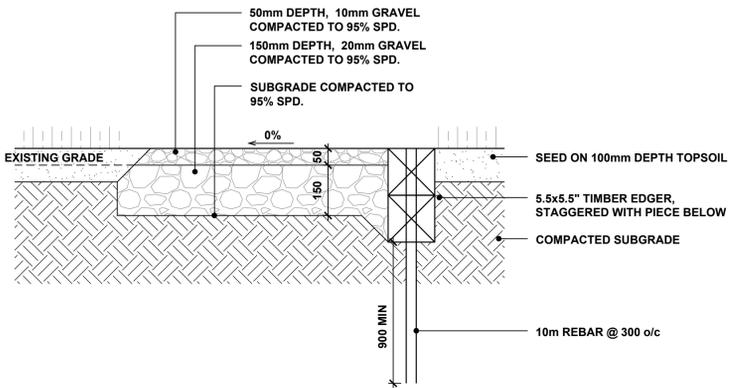
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L6.1

TRAFFIC CONTROL SIGNAGE PLAN

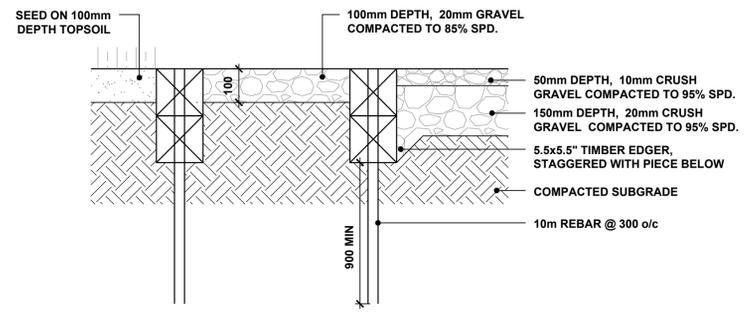
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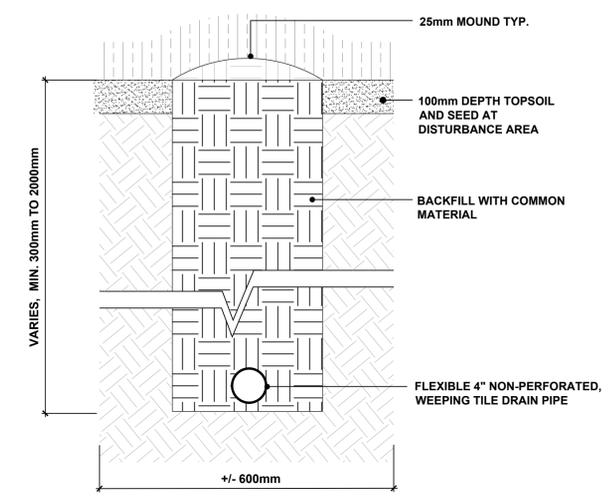
L6.1



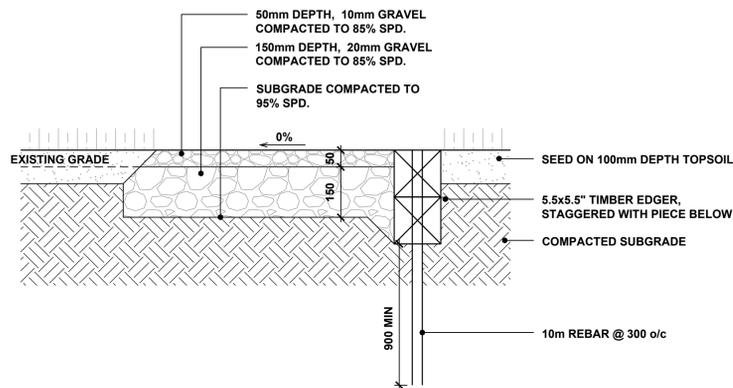
1 GRAVEL - CAMPSITE PARKING PAD
SCALE 1:10
L7.1



5 UTILITY POD
SCALE 1:10
L7.1



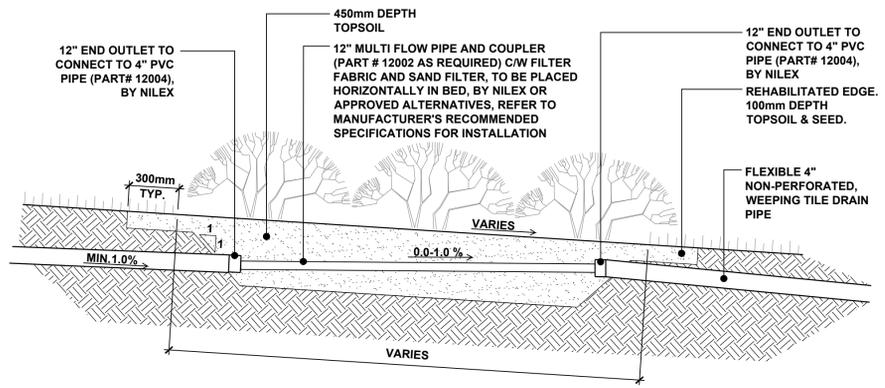
9 MULTIFLOW DISCHARGE PIPE DETAIL
SCALE 1:7.5
L7.1



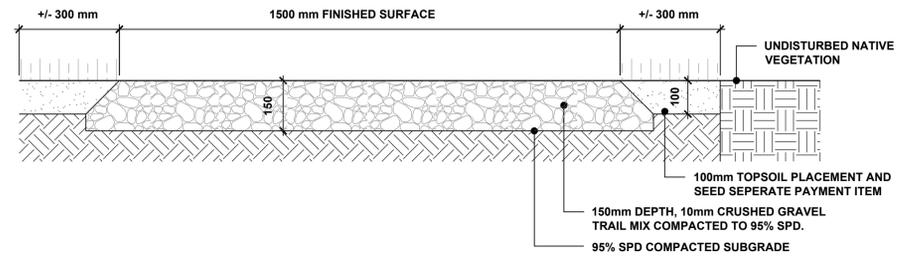
2 GRAVEL - CAMPSITE LIVING AREA
SCALE 1:10
L7.1



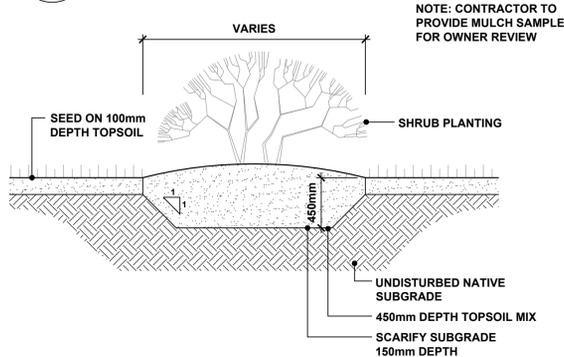
6 50mm STRIPPED TOPSOIL DETAIL
SCALE 1:10
L7.1



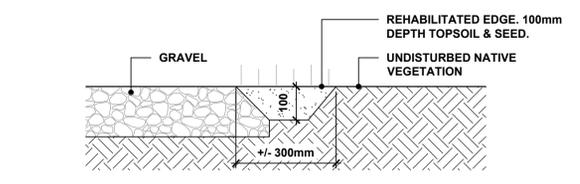
10 MULTIFLOW DISCHARGE SYSTEM DETAIL
SCALE 1:20
L7.1



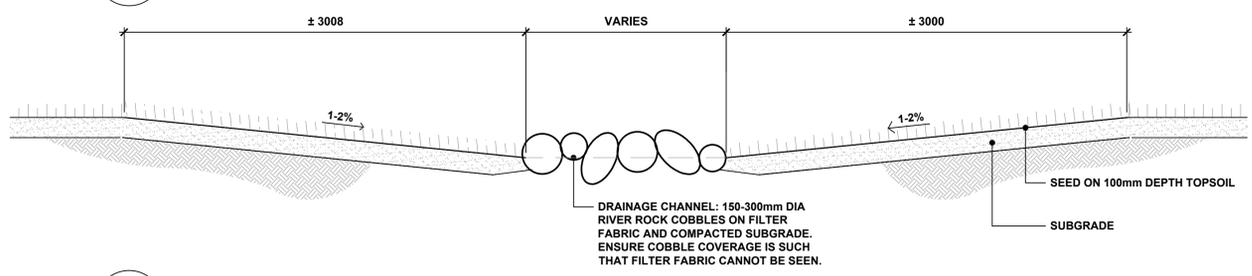
3 GRAVEL TRAIL
SCALE 1:10
L7.1



7 SHRUB BED
SCALE 1:20
L7.1



4 REHABILITATION DETAIL TYP.
SCALE 1:10
L7.1



8 RIP-RAP CHANNEL DETAIL
SCALE 1:25
L7.1

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Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
PAVING, PLANTING AND RIP RAP CHANNEL DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD:NG	Date/Date JUL 21 2016
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Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

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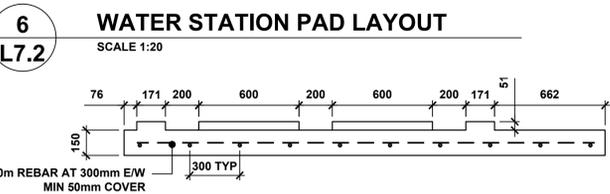
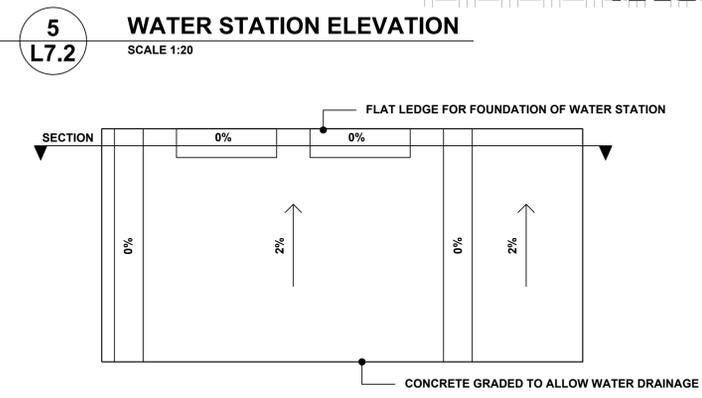
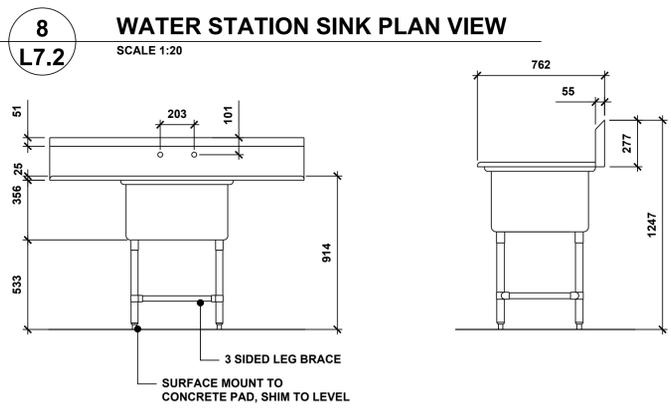
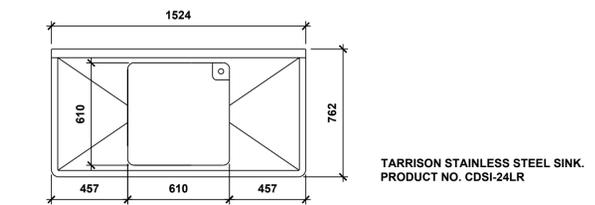
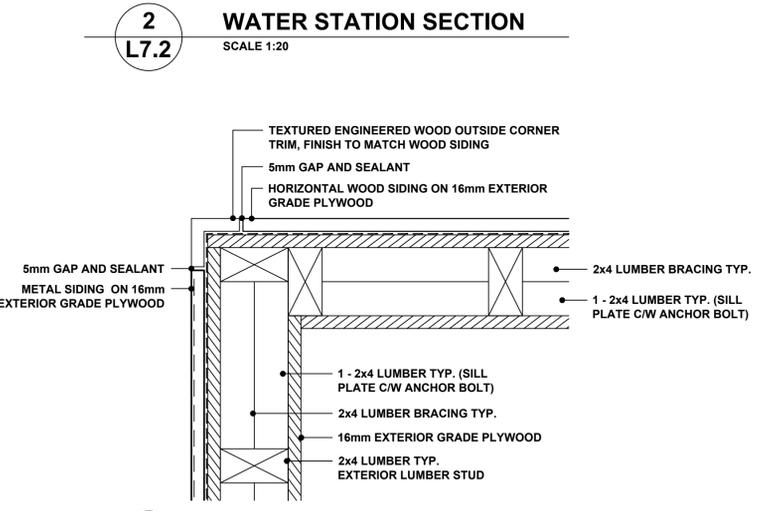
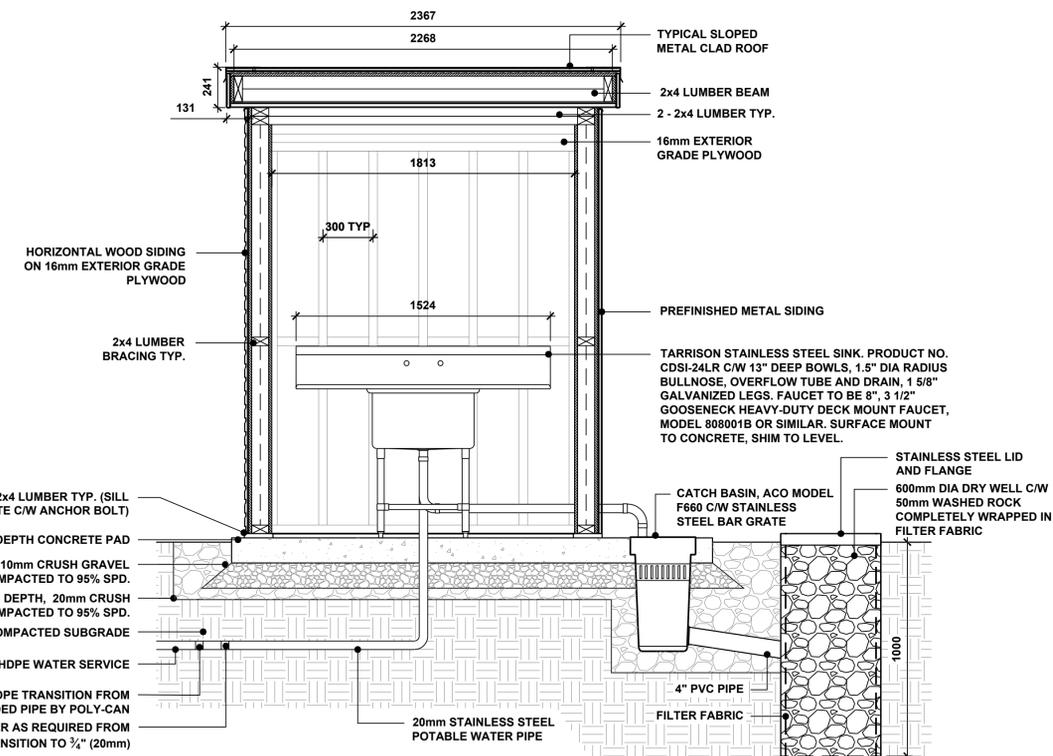
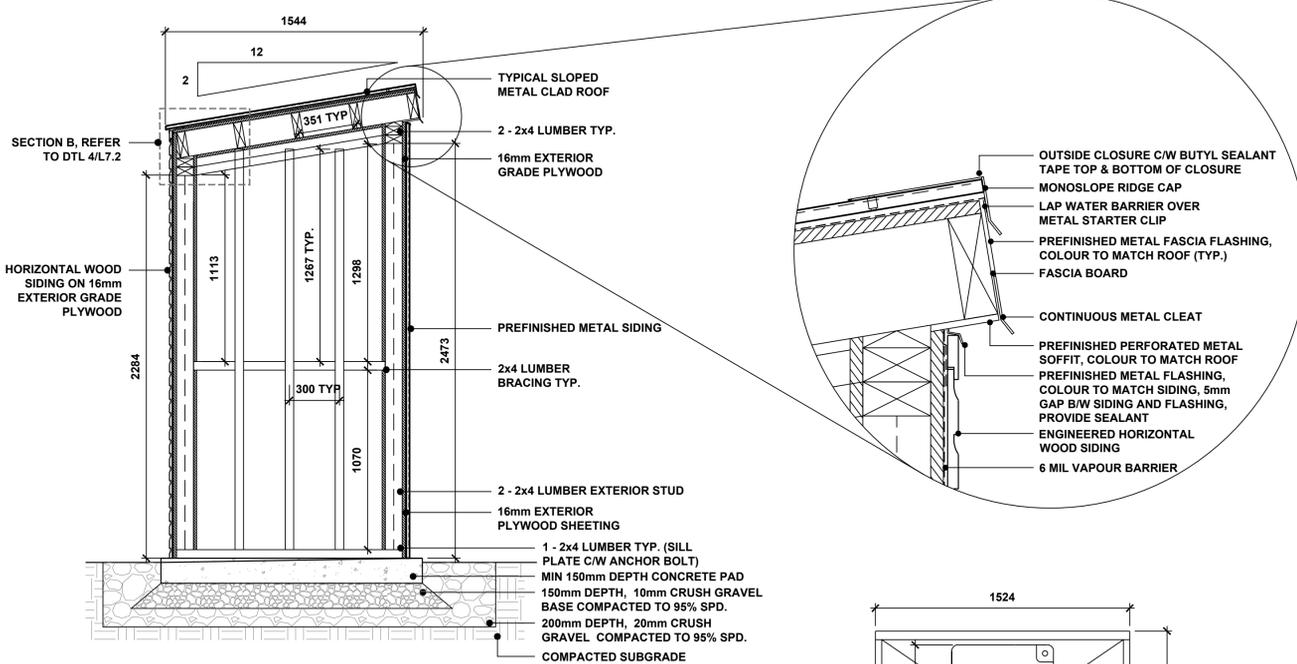
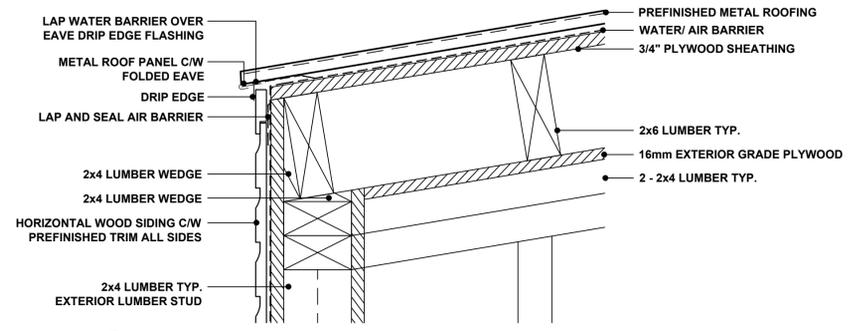
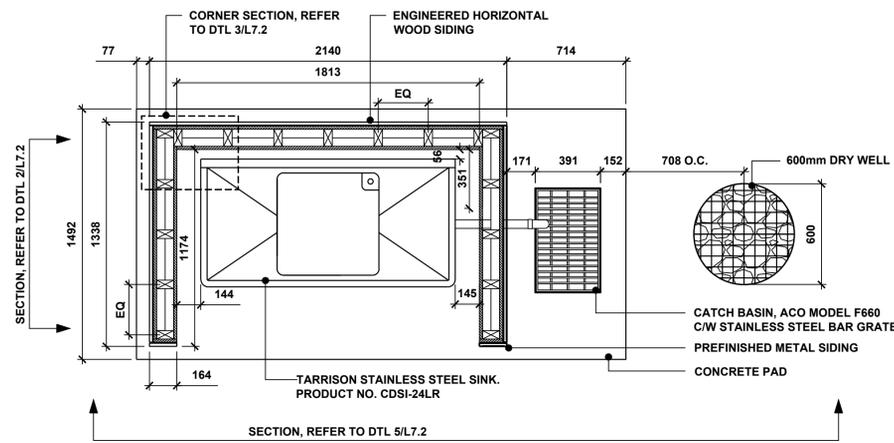
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Drawing Reference No./No. de référence du dessin
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L7.1

NOT FOR CONSTRUCTION

July 21, 2016 - 14:38:12
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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

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Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
WATER STATION DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD:NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

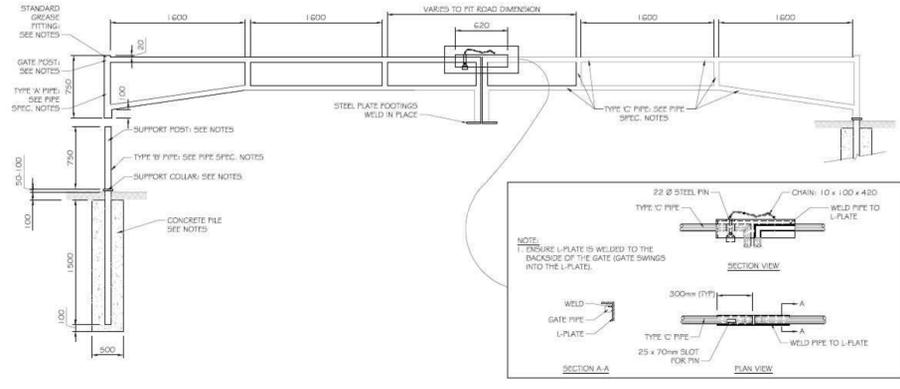
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Drawing Reference No./No. de référence du dessin
2711 16012 - 00

L7.2

NOT FOR CONSTRUCTION

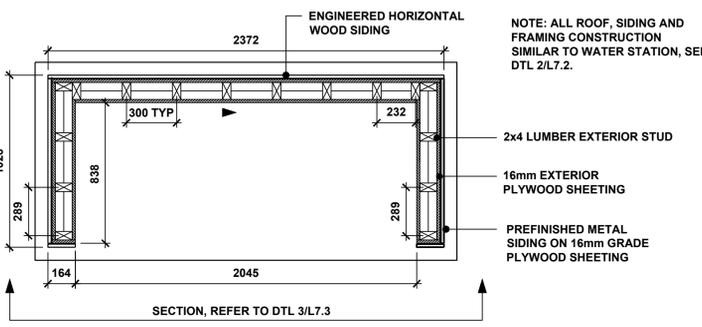
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 Plotter:



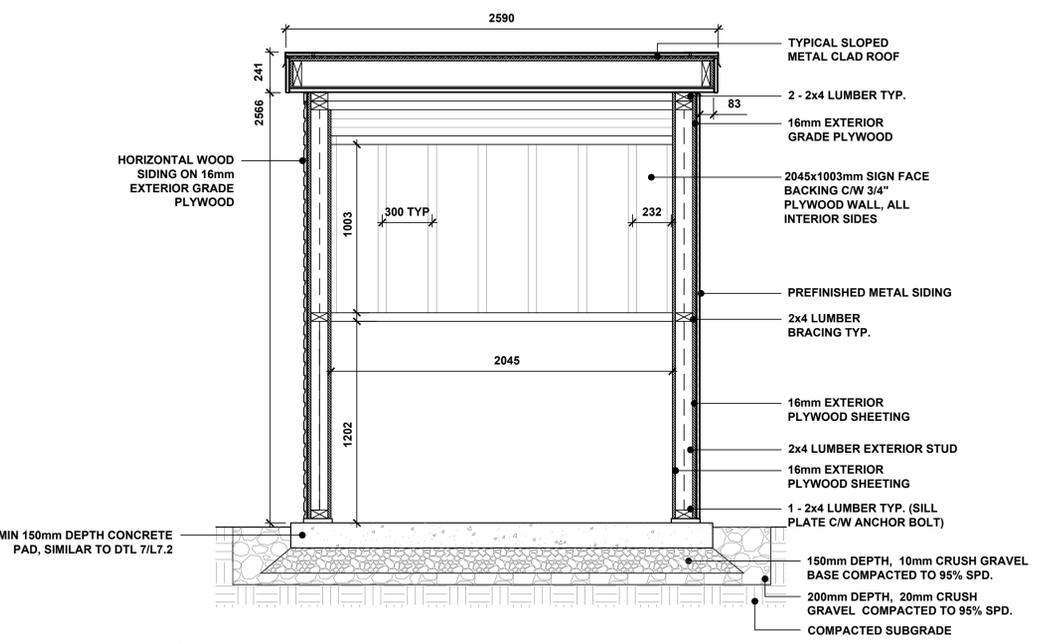
- SWING GATE NOTES:**
1. CONCRETE PILE SHALL BE 2' MPX CONCRETE AND BE OF MIN. 500mm DIAMETER. ANCHOR SHALL BE PLACED AGAINST UNDISTURBED SOIL. IF THE SOIL IS DISTURBED OR IS OF CLEAN GRAVEL, 20mm CRUSHED GRAVEL SHALL BE USED FOR BACKFILL AND COMPACTED TO 97% MAX. DRY DENSITY.
 2. SUPPORT COLLAR SHALL BE 12mm x 12mm CONTINUOUS METAL BAR WELDED TO SUPPORT POST.
 3. SUPPORT POST SHALL BE CLOSED WITH A 9mm PLATE AND GROUND SMOOTH AND FLAT.
 4. GATE POST SHALL BE CLOSED WITH A 9mm PLATE AND THE EDGES SHALL BE BEVELLED SMOOTH.
 5. STANDARD GREASE FITTING TO BE INSTALLED ON THE BACK OF THE GATE POST.
 6. CONCRETE PAD TO SUPPORT LEG.
 7. ALL METAL TO BE SAND BLASTED CLEAN AND GIVEN TWO COATS EACH OF RED ZINC-OXIDE PRIMER AND FLAT EDGE ENAMEL.
 8. ALL WELDS TO BE FULL PERIMETER.
 9. ALL WELDS AND EXPOSED EDGES SHALL BE GROUND SMOOTH.
 10. LOCKING CHAIN TO BE 9mm DIAMETER GALVANIZED AND WELDED TO THE GATE.
 11. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

- SWING GATE PIPE SPECIFICATIONS:**
- TYPE A PIPE: 114.3mm O.D. x 6.02mm WALL (4" SCH. 40)
 - TYPE B PIPE: 88.9mm O.D. x 7.62mm WALL (3" SCH. 80)
 - TYPE C PIPE: 60.3mm O.D. x 3.91mm WALL (2" SCH. 40)

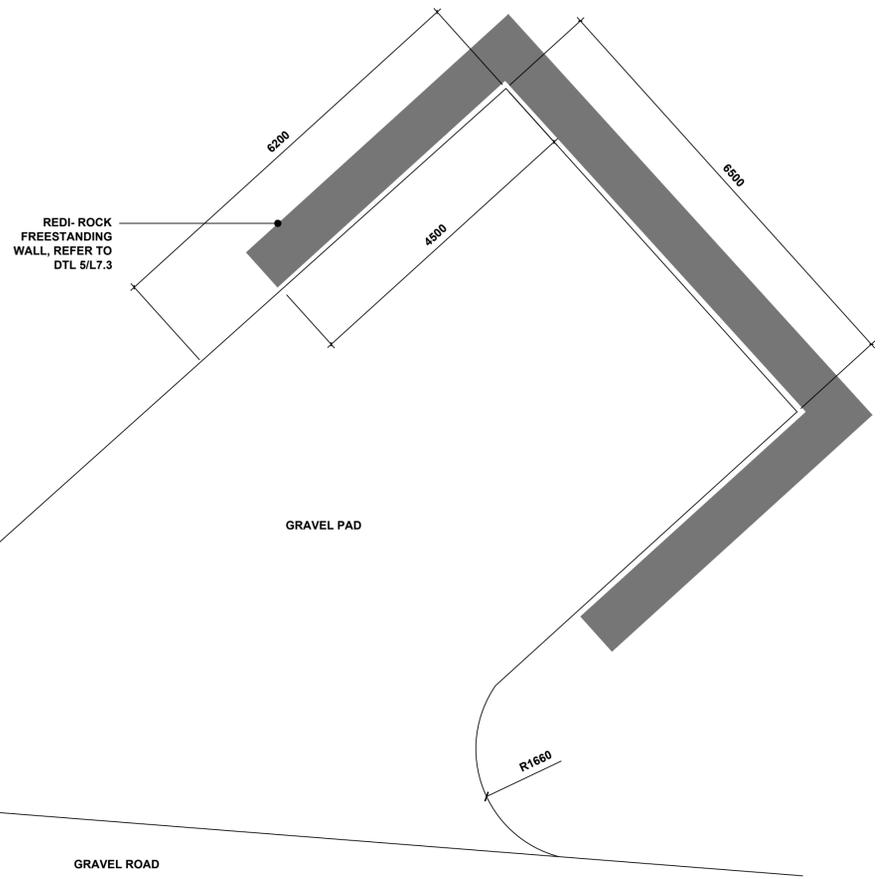
1 ENTRY GATE
SCALE 1:100



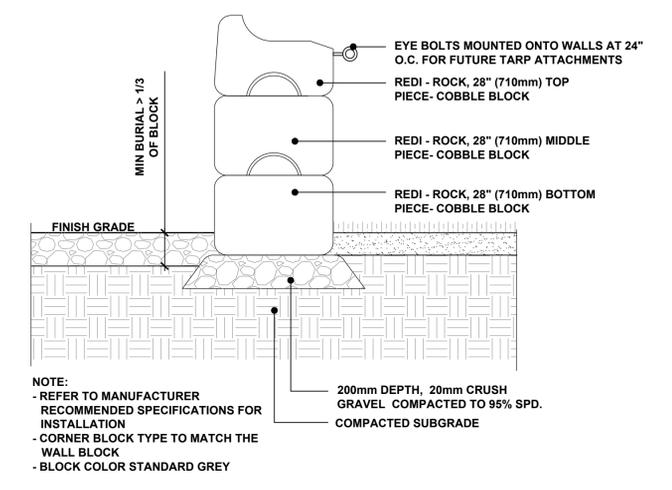
2 ENTRY KIOSK PLAN VIEW
SCALE 1:20



3 ENTRY KIOSK SECTION
SCALE 1:20



4 WOOD STORAGE BIN PLAN VIEW
SCALE 1:50



5 WOOD STORAGE WALL DETAIL
SCALE 1:20

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01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

Revision / Revision	

Consultant's Stamp Scieu de l'expert-conseil	Eng. Stamp Scieu de l'ingénieur
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Client/client
 Parks Canada Agency Western and Northern Region
 L'Agence Parcs Canada Ouest et Nord du Canada

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
 GRASSLANDS NATIONAL PARK, SK

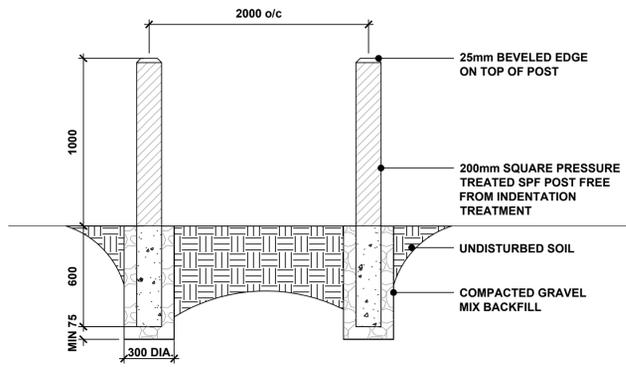
Drawing title/Titre du dessin
STRUCTURE DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN

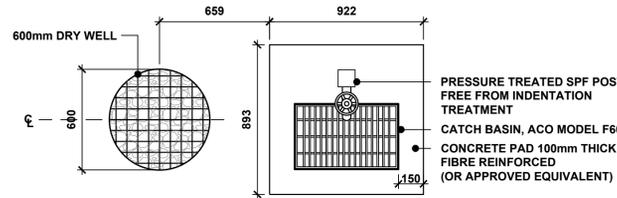
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		L7.3

NOT FOR CONSTRUCTION

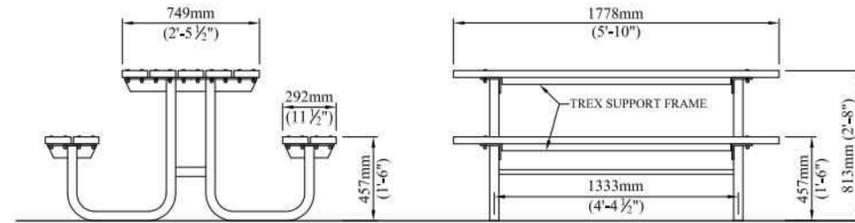
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 Project: 2711 16012 - 00



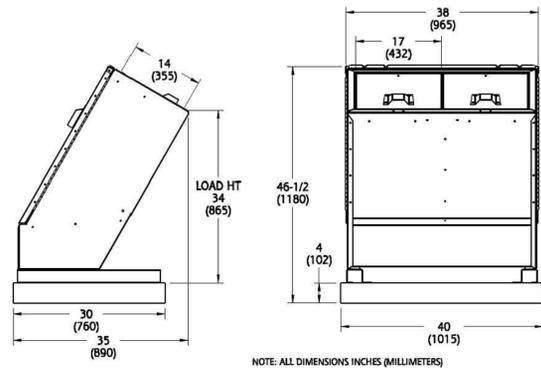
L7.4 WOOD BOLLARD
SCALE 1:20



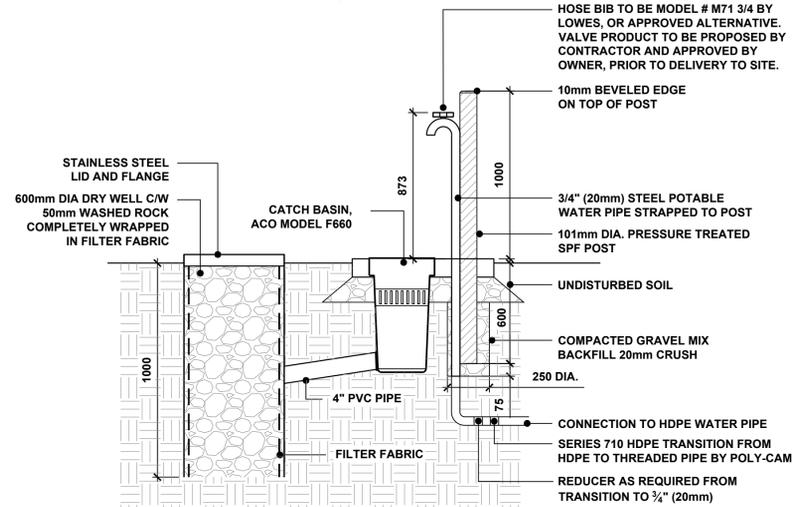
4 WATER SPIGOT PLAN VIEW
SCALE 1:20



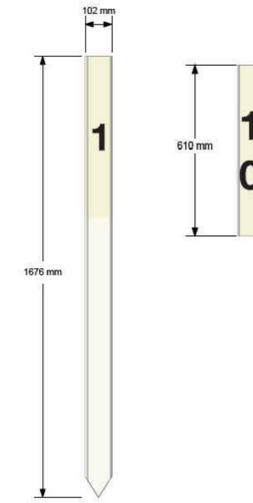
8 MOVEABLE PICNIC TABLE
NTS



2 WASTE - RECYCLE CONTAINER
SCALE NTS



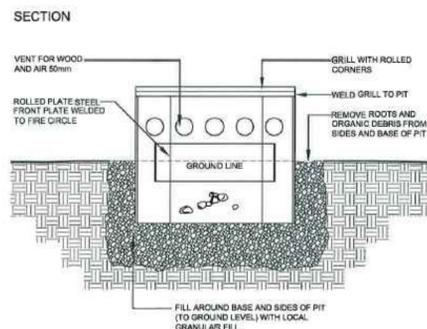
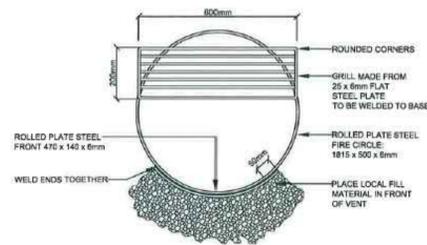
5 WATER SPIGOT SECTION
SCALE 1:20



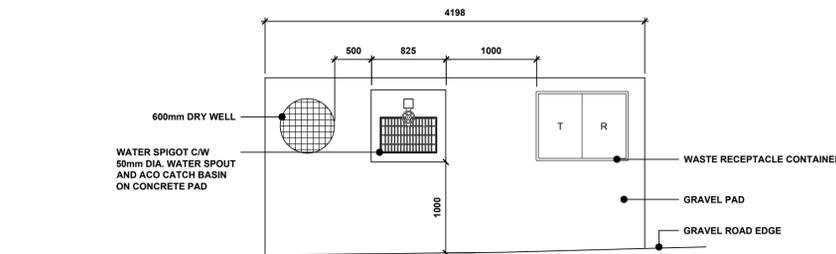
9 CAMPSITE MARKER
NTS

NOTE: WASTE RECYCLE CONTAINER TO BE HBIM CONTAINER (STANDARD) BY HAUL-ALL. CONTACT: TWYLA GURR 888-428-5255, EXT 250

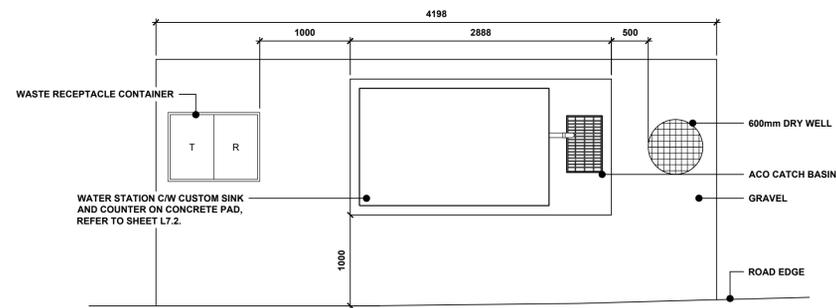
NOTE: CAMPSITE MARKER TO BE FREN_006 BY ASTROGRAPHIC INDUSTRIES LTD., OR APPROVED ALTERNATE.



3 FIRE PIT
SCALE NTS



6 WATER SPIGOT PAD DETAIL
SCALE NTS



7 WATER STATION PAD DETAIL
SCALE NTS

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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
04	JUL.21.16	ISSUED FOR TENDER	DD	KW/GH
03	JUL.01.16	REISSUED FOR 95% CLIENT REVIEW	DD	KW/GH
02	APR.15.16	ISSUED FOR 95% CLIENT REVIEW	DD	KW/GH
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DD	KW/GH

Revision / Revision	

Consultant's Stamp Sciau de l'expert-conseil	Eng. Stamp Sciau de l'ingénieur
---	------------------------------------

Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
---------------	--	--

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
FURNISHING DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD/NG	Date/Date JUL 21 2016
Designed by/Concept par GH	Reviewed by/Revisé par KW/GH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

Client Acceptance/Acceptation du client	Approved by/Approuvé par
---	--------------------------

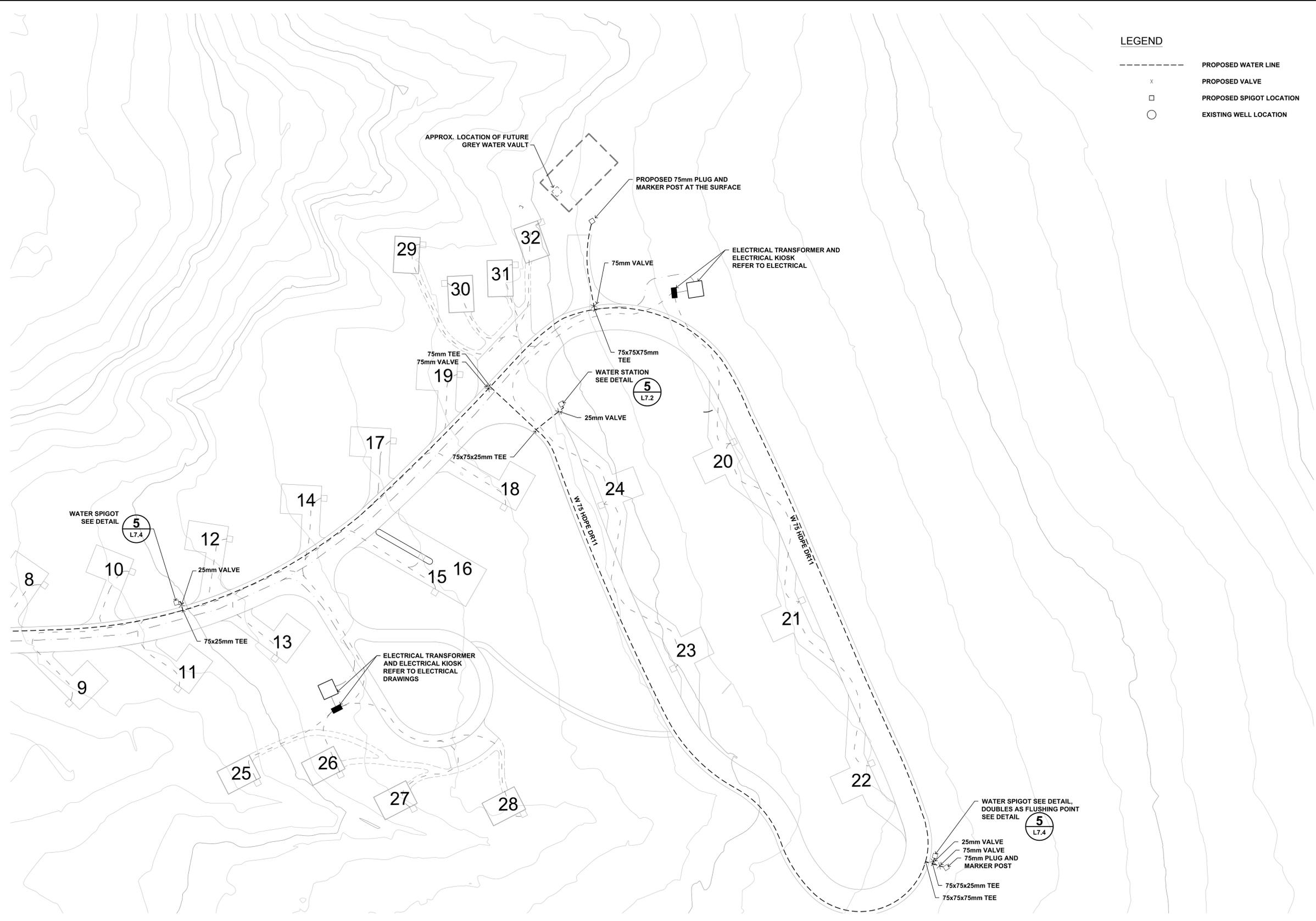
Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./No. de la feuille
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Drawing Reference No./No. de référence du dessin
2711 16012 - 00

L7.4

July 21, 2016 - 16:04:06
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 July 21, 2016 13:32:11
 Plotter:



LEGEND

-----	PROPOSED WATER LINE
x	PROPOSED VALVE
□	PROPOSED SPIGOT LOCATION
○	EXISTING WELL LOCATION

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
03	JUL.21.16	ISSUED FOR TENDER	SS	TM
02	JUL.01.16	RE-ISSUED FOR 95% CLIENT REVIEW	SS	TM
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	SS	TM

Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
---	------------------------------------

Client/Client Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
---	---

Consultant's Name Nom de l'expert-conseil
--

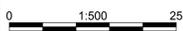
Project title/Titre du projet
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
CIVIL WATER SERVICE PLAN

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par SS	Date/Date JULY 21, 2016
Designed by/Concept par DF	Reviewed by/Revisé par KW/TM	Scale/Echelle 1:500

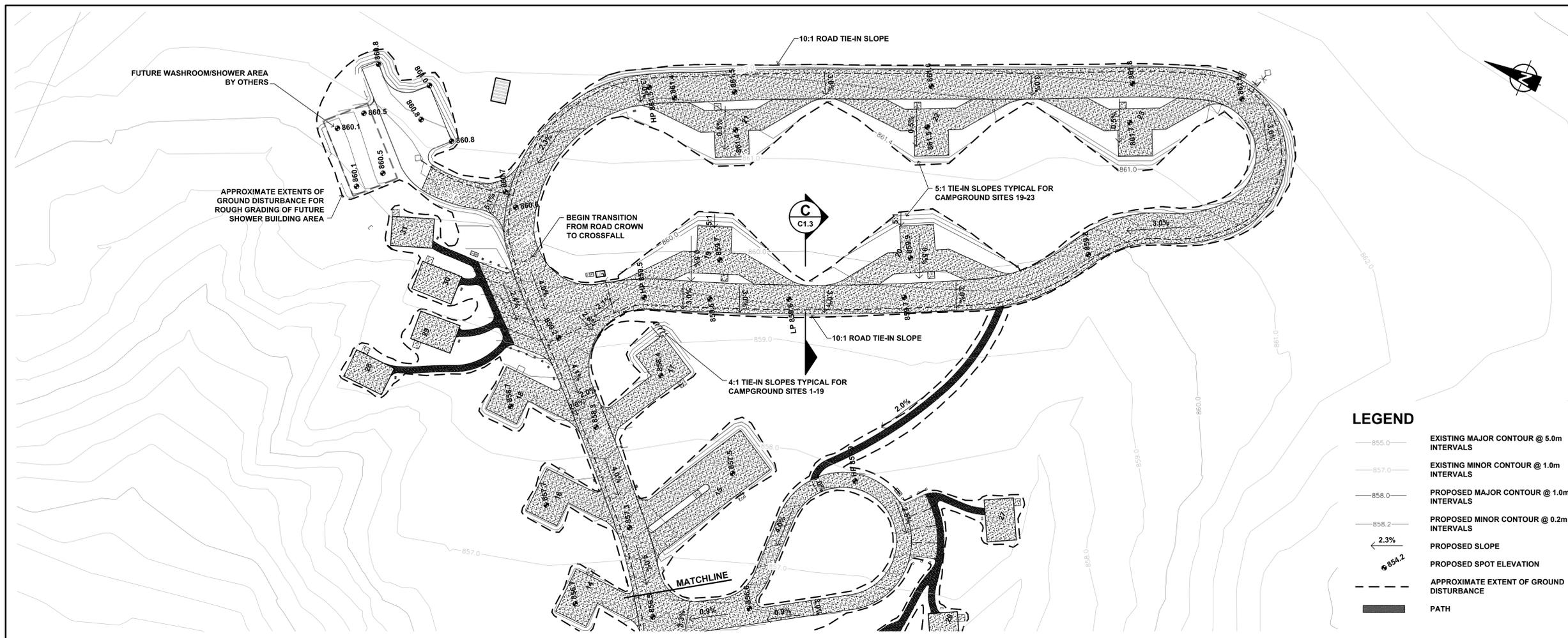
Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Parks Canada Responsible Officer/Agent Responsable Parks Canada Project No./No. du projet	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./No. de la feuille C1.1
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		

1 WATER SERVICE PLAN
 SCALE 1:500



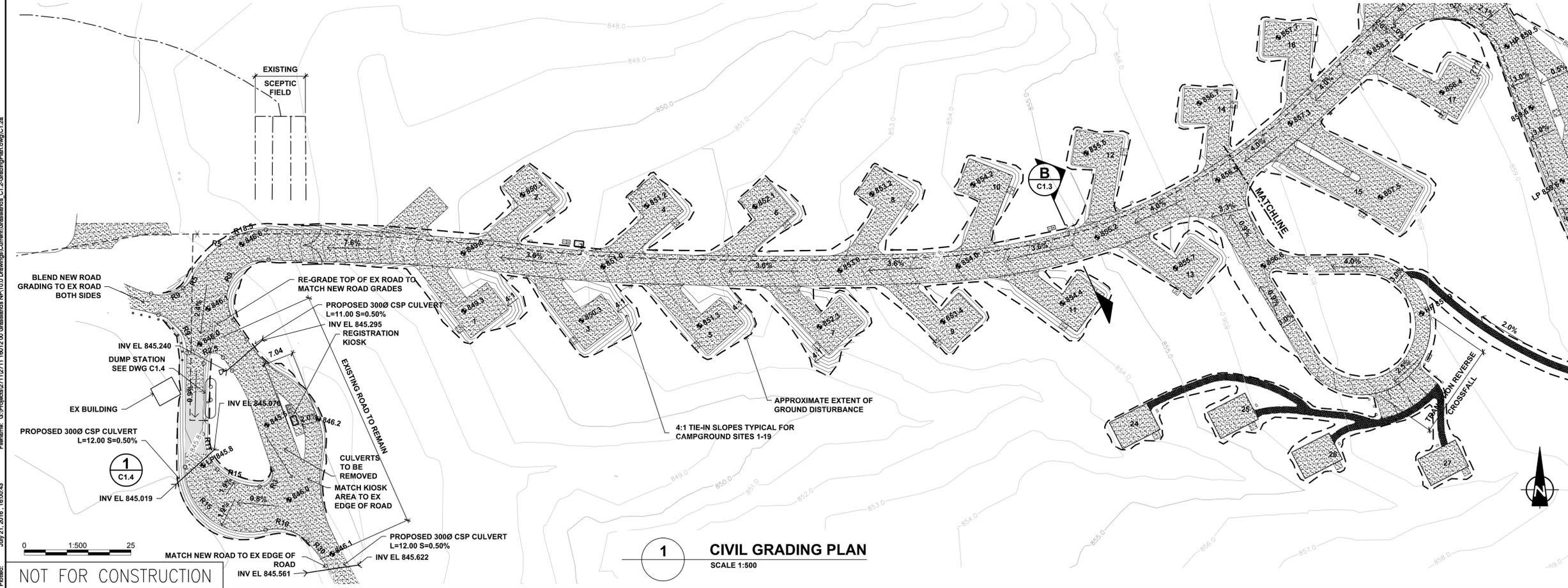
NOT FOR CONSTRUCTION





LEGEND

- 855.0 — EXISTING MAJOR CONTOUR @ 5.0m INTERVALS
- 857.0 — EXISTING MINOR CONTOUR @ 1.0m INTERVALS
- 858.0 — PROPOSED MAJOR CONTOUR @ 1.0m INTERVALS
- 858.2 — PROPOSED MINOR CONTOUR @ 0.2m INTERVALS
- ← 2.3% — PROPOSED SLOPE
- ⊙ 854.2 — PROPOSED SPOT ELEVATION
- - - - - APPROXIMATE EXTENT OF GROUND DISTURBANCE
- — — — — PATH



NOT FOR CONSTRUCTION

1 CIVIL GRADING PLAN
SCALE 1:500

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03	JUL.21.16	ISSUED FOR TENDER	SS	TM
02	JUL.01.16	RE-ISSUED FOR 95% CLIENT REVIEW	SS	TM
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	SS	TM

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
---	------------------------------------

Client/Client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project Title/Titre du projet

**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01**

GRASSLANDS NATIONAL PARK, SK

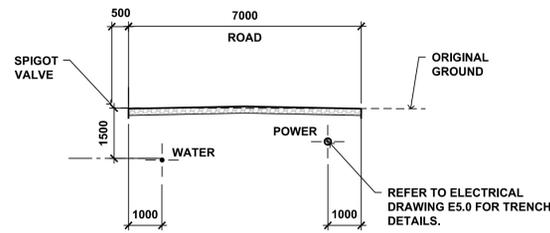
Drawing Title/Titre du dessin

**CIVIL
GRADING PLAN**

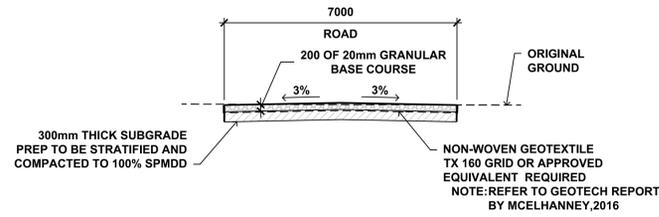
Surveyed by/Arpenté par N/A	Drawn by/Dessiné par SS	Date/Date JULY 21, 2016
Designed by/Concept par DF	Reviewed by/Revisé par KW/TM	Scale/Echelle 1:500

Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT	
Client Acceptance/Acceptation du client	Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien
Drawing Reference No./No. de référence du dessin 2711 16012 - 00	
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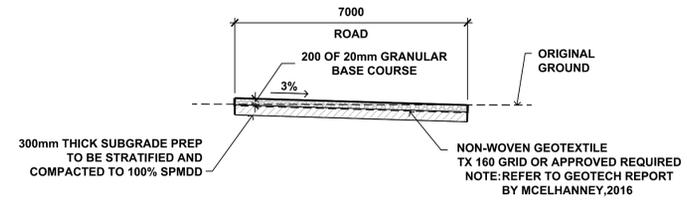
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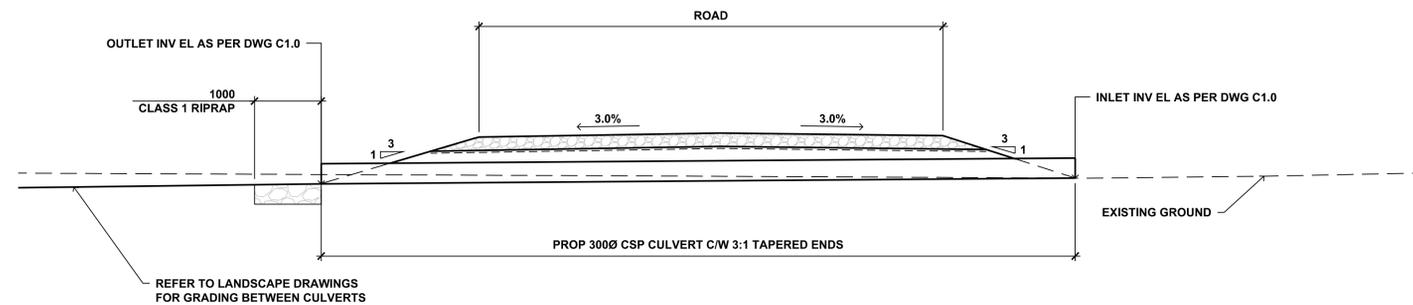
A TYPICAL UTILITY ALIGNMENT
SCALE 1:100



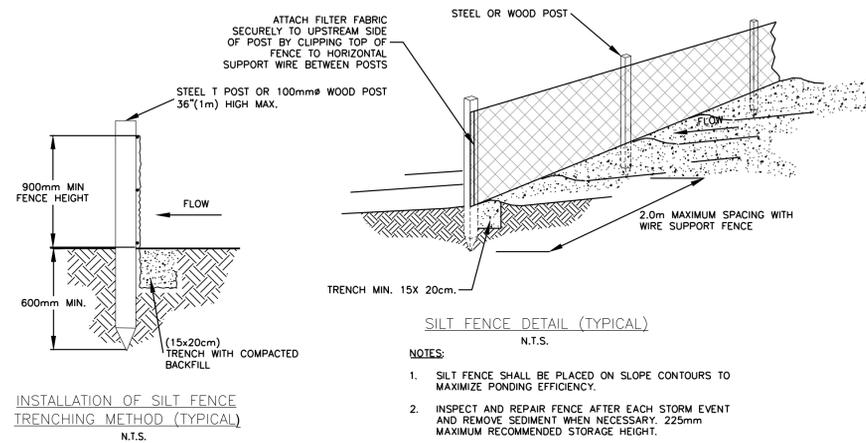
B TYPICAL CROWNED ROAD SECTION
SCALE 1:100



C TYPICAL CROSSFALL ROAD SECTION
SCALE 1:100



TYPICAL CULVERT CROSSING
SCALE 1:50



INSTALLATION OF SILT FENCE
TRENCHING METHOD (TYPICAL)
N.T.S.

SILT FENCE DETAIL (TYPICAL)
N.T.S.

- NOTES:**
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 - INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 225mm MAXIMUM RECOMMENDED STORAGE HEIGHT.

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
03	JUL.21.16	ISSUED FOR TENDER	SS	TM
02	JUL.01.16	RE-ISSUED FOR 95% CLIENT REVIEW	SS	TM
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	SS	TM

Revision / Revision	

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
---	------------------------------------

Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
---------------	--	---

Consultant's Name Nom de l'expert-conseil	McElhanney
--	-------------------

Project title/Titre du projet	ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01 GRASSLANDS NATIONAL PARK, SK
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Drawing title/Titre du dessin	CIVIL DETAILS
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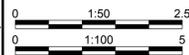
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N/A	SS	JULY 21, 2016
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
DF	KW/TM	1:50 1:100

Parks Canada Project Manager/Administrateur de Projets Parcs Canada	
COLIN SCHMIDT	
Client Acceptance/Acceptation du client	Approved by/Approuvé par

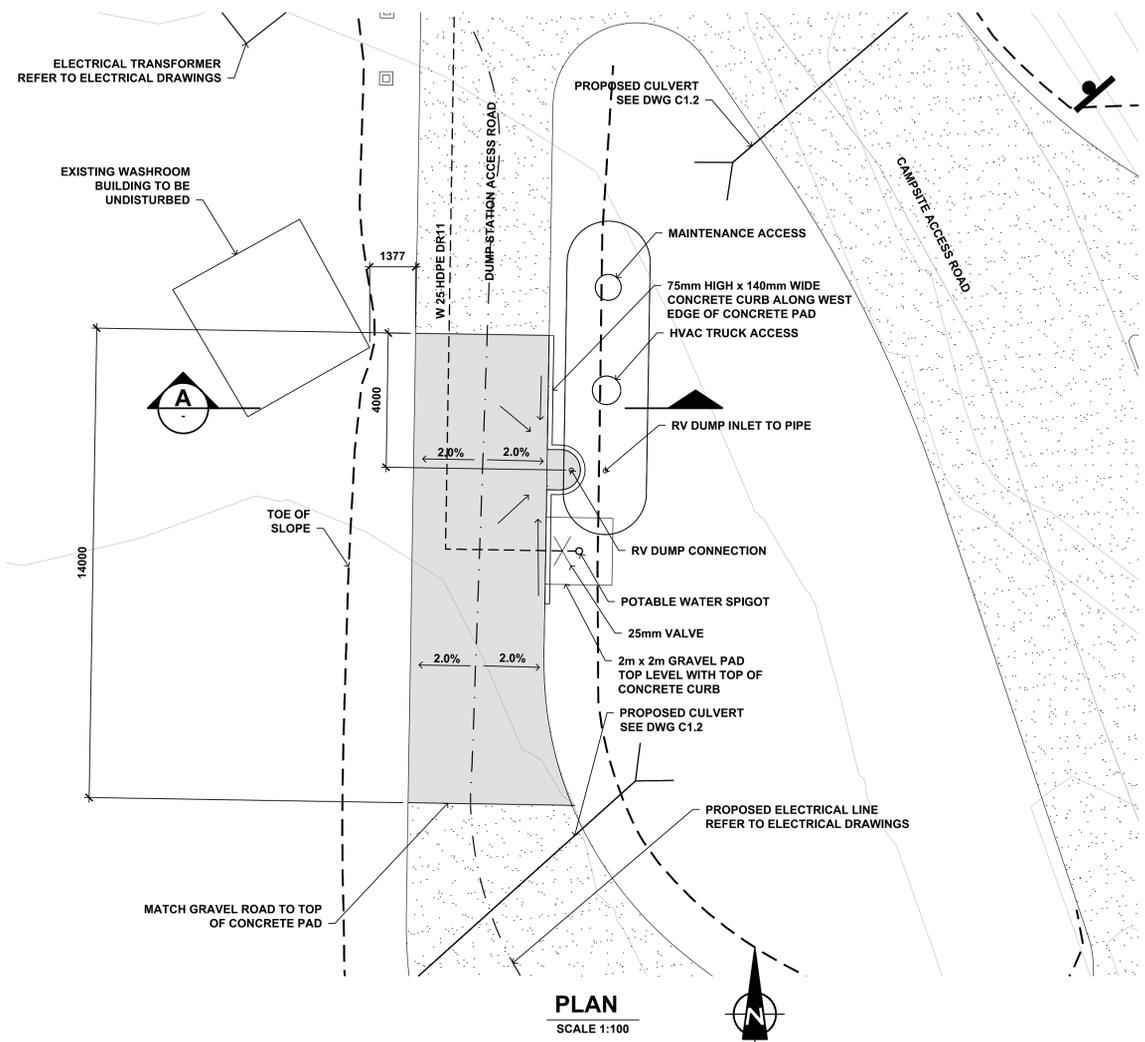
Parks Canada Responsible Officer/Agent Responsable	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
Project No./No. du projet	Asset No./No. du bien
	Sheet No./No. de la feuille

Drawing Reference No./No. de référence du dessin	C1.3
2711 16012 - 00	

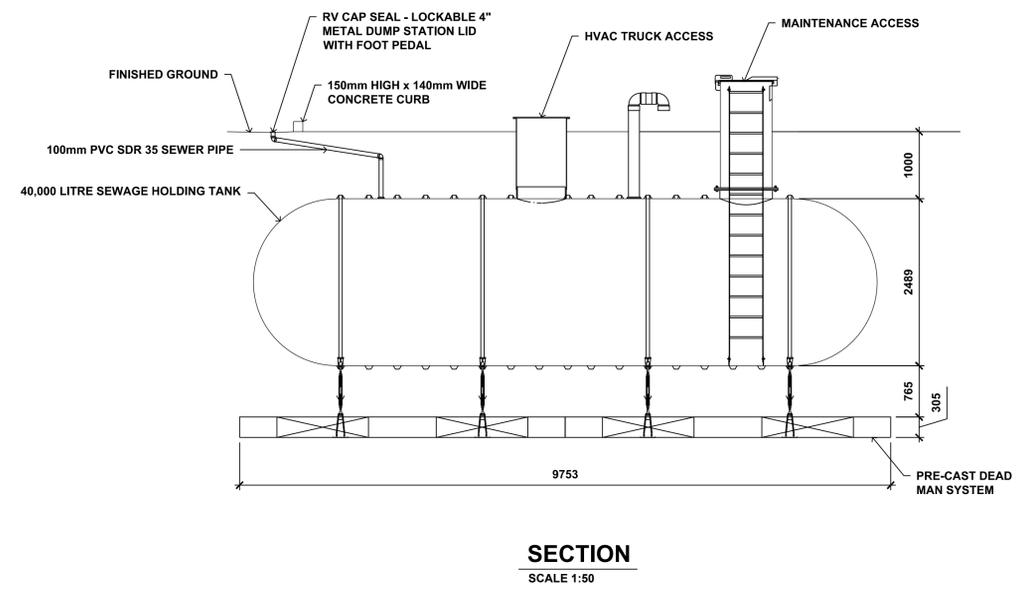
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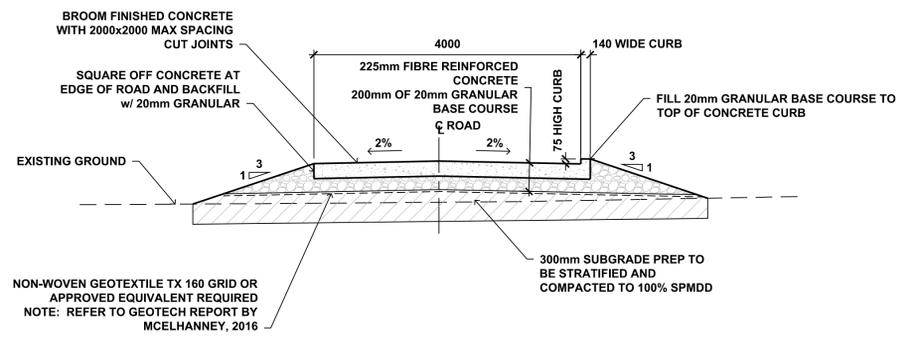


PLAN
SCALE 1:100



SECTION
SCALE 1:50

RV DUMP STATION - DETAIL



TYPICAL CONCRETE RV PAD SECTION
SCALE 1:50

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
03	JUL.21.16	ISSUED FOR TENDER	SS	TM
02	JUL.01.16	RE-ISSUED FOR 95% CLIENT REVIEW	SS	TM
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	SS	TM

Revision / Revision	

Consultant's Stamp Sciau de l'expert-conseil	Eng. Stamp Sciau de l'ingénieur
---	------------------------------------

Client/Client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
---------------	--	---

Consultant's Name Nom de l'expert-conseil	McElhanney
--	-------------------

Project title/Titre du dessin
ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01
 GRASSLANDS NATIONAL PARK, SK

CIVIL SERVICING DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par SS	Date/Date JULY 21, 2016
Designed by/Concept par DF	Reviewed by/Revisé par KW/TM	Scale/Echelle 1:50 1:100

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
 COLIN SCHMIDT

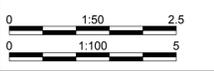
Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./No. de la feuille
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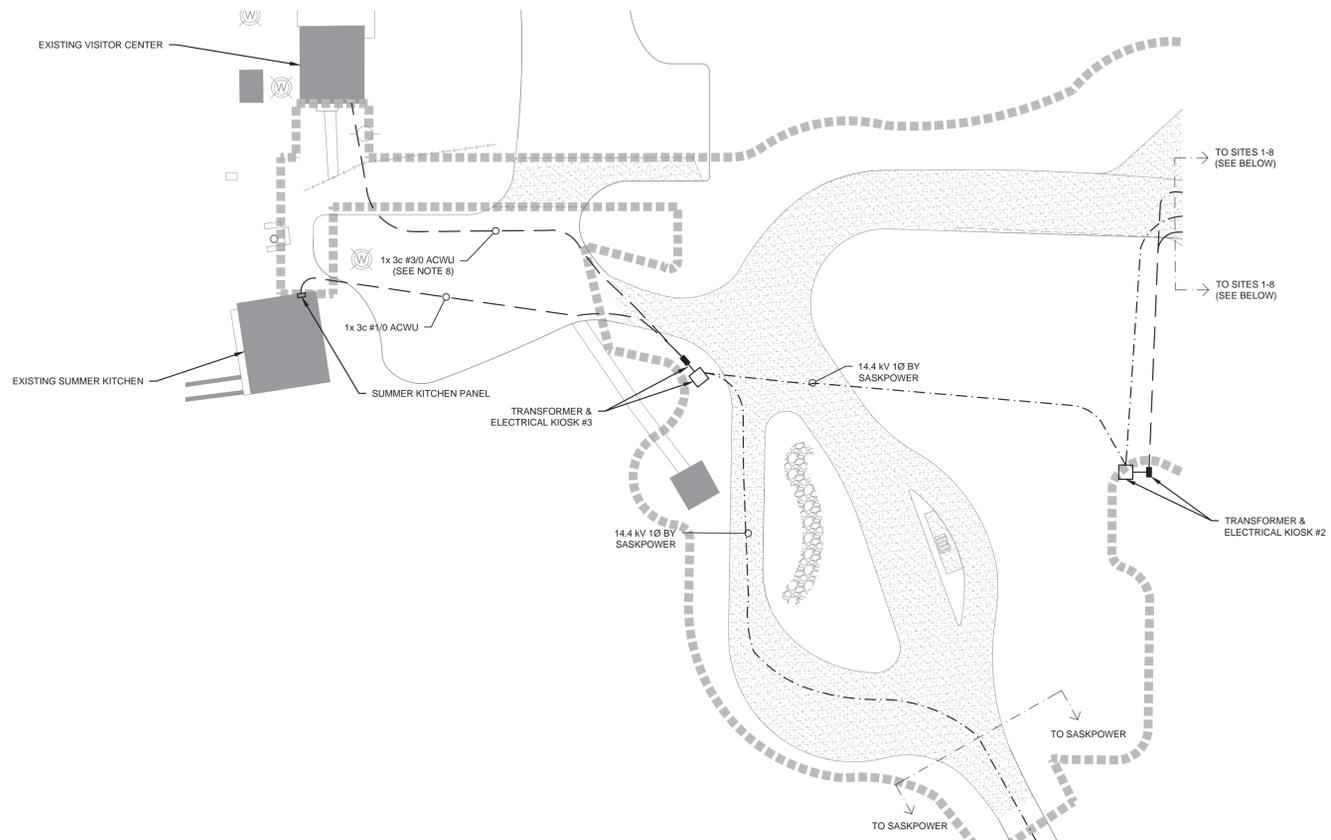
Drawing Reference No./No. de référence du dessin
 2711 16012 - 00

C1.4

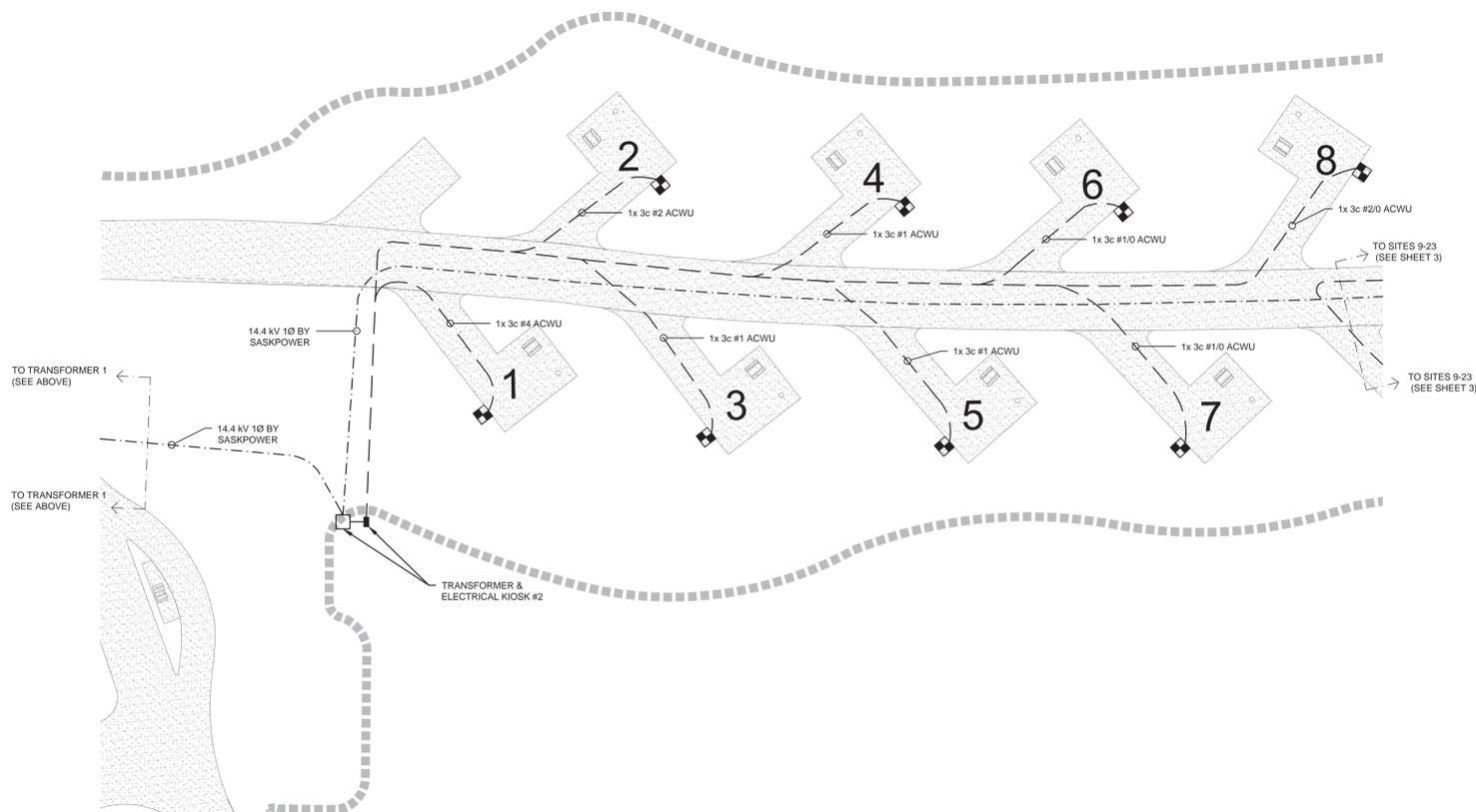
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 Plotter:



NOT FOR CONSTRUCTION



ELECTRICAL SITE PLAN TRANSFORMERS T1 AND T2
SCALE: 1:400



ELECTRICAL SITE PLAN TRANSFORMER T2
SCALE: 1:400

- NOTES:
1. INSTALLATION TO BE COMPLETED AS PER THE CANADIAN ELECTRICAL CODE 2015 EDITION.
 2. SUPPLY AND INSTALLATION OF 14.4KV/120/240V TRANSFORMERS TO BE COMPLETED BY SASKPOWER.
 3. SUPPLY AND INSTALLATION OF 14.4KV CABLES TO BE COMPLETED BY SASKPOWER.
 4. PANELS REQUIRE AN ARC FLASH HAZARD LABEL.
 5. EXACT PEDESTAL & TRANSFORMER LOCATIONS ARE TO BE CONFIRMED ON SITE WITH OWNER/CONSULTANT PRIOR TO INSTALLATION.
 6. TRANSFORMERS TO BE A MINIMUM OF 3 METERS FROM ANY COMBUSTIBLE MATERIAL AND 6 METERS FROM A DOOR OR VENTILATION OPENING.
 7. INDEPENDENT CABLE RUNS TO EACH SITE.
 8. REMOVE EXISTING VISITOR CENTER FEED AND REPLACE AS NOTED.

POWER & COMMUNICATION SYMBOL SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
◻	50A RV PEDESTAL REFER TO DETAIL ON SHEET E5.0	
▲	30A RV PEDESTAL REFER TO DETAIL ON SHEET E5.0	
◻	PAD MOUNT LOW PROFILE TRANSFORMER	
◻	ELECTRICAL SERVICE KIOSK - SEE PANEL SCHEDULES FOR DETAILS	
---	SASKPOWER 14.4KV PRIMARY CABLE	
---	DIRECT BURIAL 240V 4C ELECTRICAL CABLE	

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
04	JUL.21.16	ISSUED FOR TENDER	DH	LL
03	JUL.01.16	REISSUED FOR 95% CLIENT REVIEW	DH	LL
02	APR.15.16	ISSUED FOR 95% CLIENT REVIEW	DH	LL
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DH	LL

Revision / Revision	

Consultant's Stamp Sciau de l'expert-conseil	Eng. Stamp Sciau de l'ingénieur
---	------------------------------------

Client/client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet

**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01
GRASSLANDS NATIONAL PARK, SK**

Drawing title/Titre du dessin

**ELECTRICAL SITE PLAN
TRANSFORMERS 1 & 2**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DH	Date/Date JUL.21.2016
Designed by/Concept par DH	Reviewed by/Revisé par LL	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

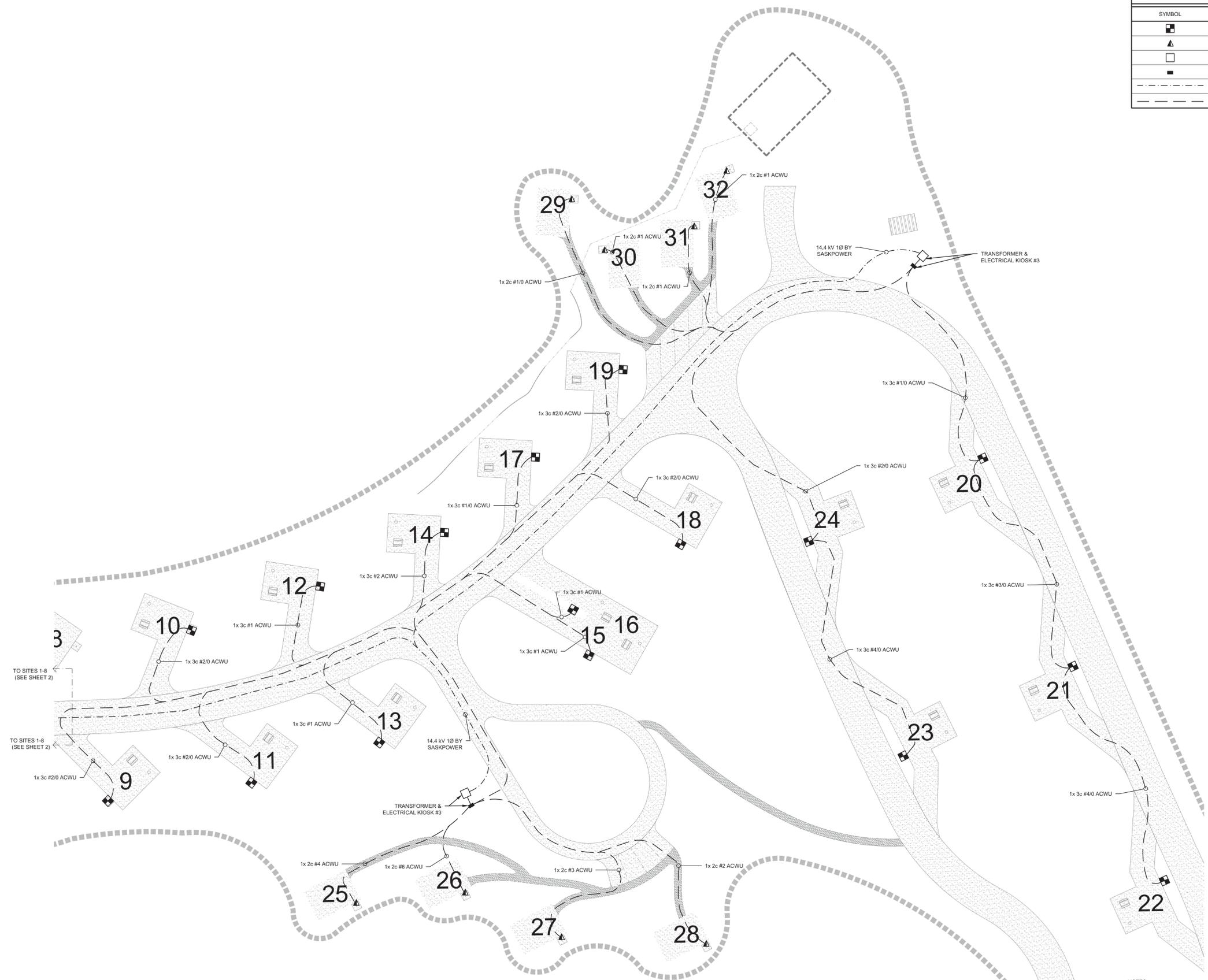
Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet 2015xxx	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./ No. de la feuille E2.0
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Drawing Reference No./No. de référence du dessin
2711 16012 - 00

Project: July 20, 2016 12:03:49
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POWER & COMMUNICATION SYMBOL SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
	50A RV PEDESTAL REFER TO DETAIL ON SHEET E5.0	
	30A RV PEDESTAL REFER TO DETAIL ON SHEET E5.0	
	PAD MOUNT LOW PROFILE TRANSFORMER	
	ELECTRICAL SERVICE KIOSK - SEE PANEL SCHEDULES FOR DETAILS	
	SASKPOWER 14.4KV PRIMARY CABLE	
	DIRECT BURIAL 240V 4C ELECTRICAL CABLE	



ELECTRICAL SITE PLAN TRANSFORMERS T3 AND T4
SCALE: 1:400

- NOTES:**
1. INSTALLATION TO BE COMPLETED AS PER THE CANADIAN ELECTRICAL CODE 2015 EDITION
 2. SUPPLY AND INSTALLATION OF 14.4KV/120/240V TRANSFORMERS TO BE COMPLETED BY SASKPOWER
 3. SUPPLY AND INSTALLATION OF 14.4KV CABLE TO BE COMPLETED BY SASKPOWER
 4. PANELS REQUIRE AN ARC FLASH HAZARD LABEL
 5. EXACT PEDESTAL & TRANSFORMER LOCATIONS ARE TO BE CONFIRMED ON SITE WITH OWNER/CONSULTANT PRIOR TO INSTALLATION.
 6. TRANSFORMERS TO BE A MINIMUM OF 3 METERS FROM ANY COMBUSTIBLE MATERIAL AND 6 METERS FROM A DOOR OR VENTILATION OPENING
 7. INDEPENDENT CABLE RUNS TO EACH SITE.

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03	JUL.01.16	REISSUED FOR 95% CLIENT REVIEW	DH	LL
02	APR.15.16	ISSUED FOR 95% CLIENT REVIEW	DH	LL
01	MAR.11.16	ISSUED FOR 50% CLIENT REVIEW	DH	LL

Revision / Revision	

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/Client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

**ROCK CREEK CAMPGROUND
AND DAY USE AREA
PHASE 01**

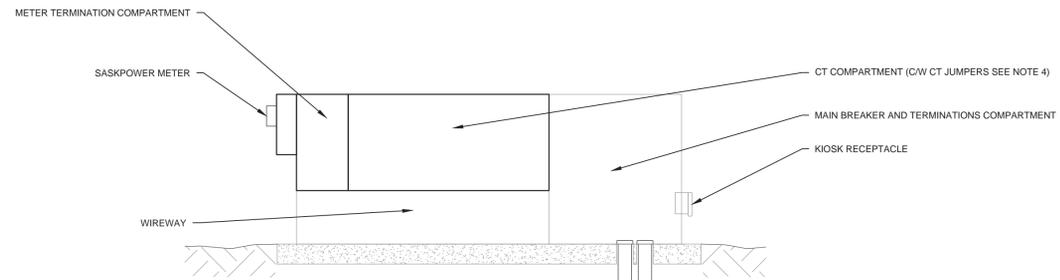
GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin

**ELECTRICAL SITE PLAN
TRANSFORMERS 3 & 4**

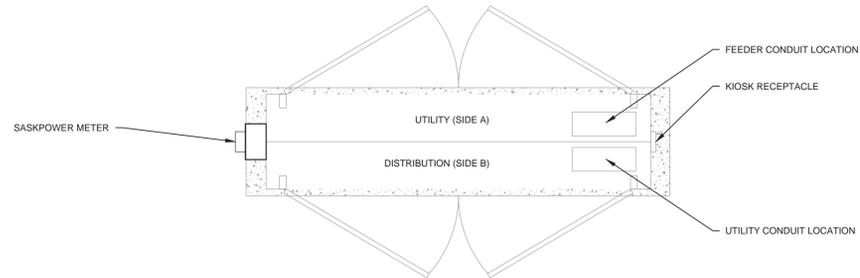
Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DH	Date/Date JUL.21.2016
Designed by/Concept par DH	Reviewed by/Revisé par LL	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada COLIN SCHMIDT		
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Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet 2015xxx	Parks Canada Project Manager/Administrateur de Projets Parcs Canada Asset No./No. du bien	Sheet No./ No. de la feuille E3.0
Drawing Reference No./No. de référence du dessin 2711 16012 - 00		



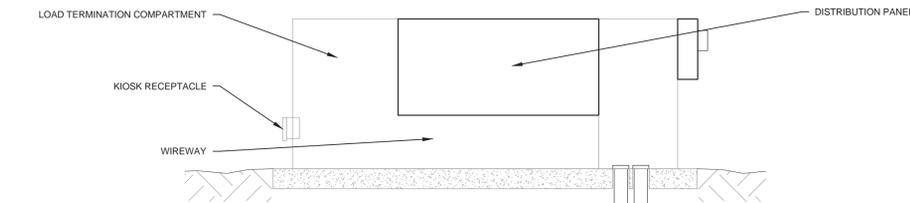
ELECTRICAL SERVICE KIOSK UTILITY SIDE A

SCALE: NOT TO SCALE



ELECTRICAL SERVICE KIOSKS TOP AND FRONT/REAR VIEW

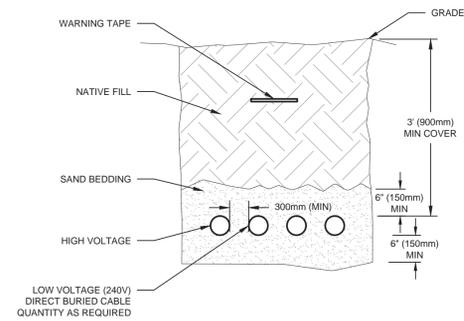
SCALE: NOT TO SCALE



ELECTRICAL SERVICE KIOSK DISTRIBUTION SIDE B

SCALE: NOT TO SCALE

- ELECTRICAL KIOSK NOTES:**
- PANEL TO BE BONDED TO TRANSFORMER GROUND.
 - MINIMUM DISTANCE BETWEEN SASKPOWER TRANSFORMERS CONCRETE PAD AND KIOSK TO BE 3 METERS.
 - KIOSK RECEPTACLE TO BE 9-20R GFCI.
 - KIOSK RECEPTACLE TO BE LOCATED IN A LOCKABLE COMPARTMENT.
 - PANEL MAIN BREAKER TO BE PAD-LOCKABLE AS PER SASKPOWER REQUIREMENTS.
 - SHOP DRAWINGS MUST BE PROVIDED FOR KIOSK PRIOR TO ORDERING EQUIPMENT.
 - REFER TO SASKPOWER SECTION 2 - TECHNICAL REQUIREMENTS FOR SERVICE UP TO AND INCLUDING 5kV FOR INSTALLATION DETAILS.
 - ALL KIOSKS TO BE LOCKABLE WITH SAME KEY.
 - PROVIDE CONCRETE BASE AS PER KIOSK MANUFACTURERS REQUIREMENTS.
 - ALL CONDUIT TO BE BURIED AT A MINIMUM OF 600mm BELOW FINISHED GRADE.
 - EXACT LAYOUT OF EQUIPMENT MAY BE ADJUSTED TO SUIT SITE CONDITIONS. KIOSK TO BE SIZED TO SUIT ALL EQUIPMENT SHOWN AND ANCILLARY EQUIPMENT REQUIRED.
 - OPENING OF DOORS IS TO BE ABOVE FINISHED GRADE.
 - KIOSK CONSTRUCTION TO BE GALVANIZED STEEL WITH A BEIGE RAL 1001 POWDER COAT FINISH. CONFIRM FINAL COLOR WITH OWNER PRIOR TO ORDER.
 - ACCEPTABLE MANUFACTURERS ARE VALID MANUFACTURING PART# DDSC47-84-30-01 OR ENGINEER APPROVED EQUIVALENT.



TYPICAL TRENCH DETAIL

SCALE: NTS

- NOTES:**
- MINIMUM SPACING BETWEEN LOW VOLTAGE CABLES TO BE ONE CABLE WIDTH
 - MINIMUM SPACING BETWEEN LOW VOLTAGE AND HIGH VOLTAGE CABLES TO BE 300mm.
 - CONTRACTOR TO INFORM ENGINEER OF ANY CLOSE PROXIMITY UTILITIES DURING TRENCH EXCAVATION.
 - MAINTAIN SAND BEDDING OF 150mm (6") IN ALL DIRECTIONS FROM ALL BURIED ELECTRICAL.
 - MAINTAIN 300mm HORIZONTAL SEPARATION FROM ALL OTHER UTILITIES.

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Client/Client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	McElhanney
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Project title/Titre du projet	ROCK CREEK CAMPGROUND AND DAY USE AREA PHASE 01 GRASSLANDS NATIONAL PARK, SK
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Drawing title/Titre du dessin	ELECTRICAL KIOSK AND TRENCH DETAILS
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N/A	DH	JUL.21.2016
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
DH	LL	AS SHOWN

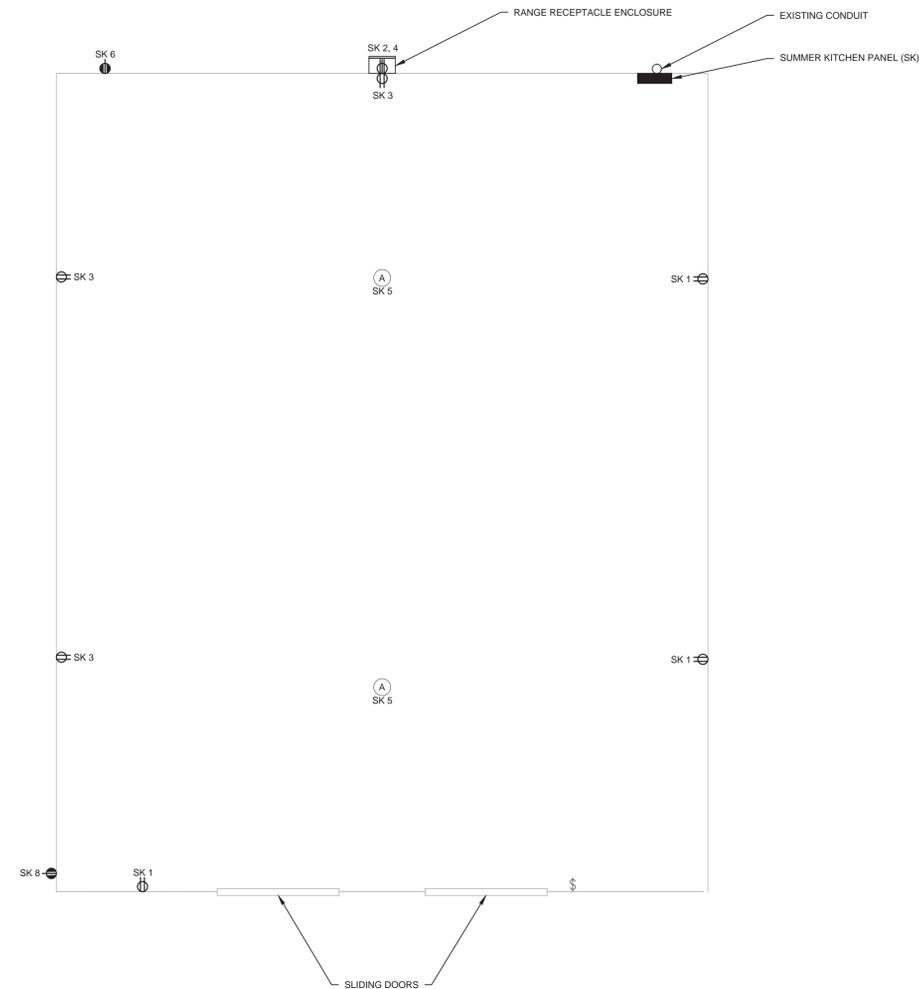
Parks Canada Project Manager/Administrateur de Projets Parcs Canada
COLIN SCHMIDT

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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2015xxxx		E6.0

Drawing Reference No./No. de référence du dessin
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SYMBOL SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
	5-20R, 125V DUPLEX RECEPTACLE WITH 2 X 5V DC USB PORTS	INSTALLED AT COUNTER TOP HEIGHT
	15/20 AMP, 125V DUPLEX GROUND FAULT RECEPTACLE (GFCI)	INSTALLED AT COUNTER TOP HEIGHT
	50 AMP, 250V RANGE RECEPTACLE	INSTALLED AT COUNTER TOP HEIGHT
	PANELBOARD - REFER TO PANEL SHT E4.0 SCHEDULES FOR DETAILS	
	LIGHT SWITCH COMES WITH INTEGRAL OCCUPANCY SENSOR	AUTO 'ON' 30 MIN DELAY 'OFF'
	RAB DESIGN - CLB-LED-14W, 14W, 120V, 3000K, CEILING MOUNT	



- ELECTRICAL SUMMER KITCHEN NOTES:**
1. ALL INSTALLATIONS TO BE COMPLETED AS PER THE CANADIAN ELECTRICAL CODE 2015.
 2. USE EXISTING CONDUIT AS ENTRY LOCATION FOR SUMMER KITCHEN PANEL FEED. PROVIDE PROPER SEALANT FOR OUTDOOR APPLICATION.
 3. OUTDOOR RANGE RECEPTACLE TO BE INSTALLED INSIDE A NEMA 3R WEATHERPROOF ENCLOSURE. COLOR OF ENCLOSURE TO BE BEIGE RAL 1001.
 4. USB RECEPTACLES TO BE FED BY A GFCI BREAKER.
 5. ALL WIRING TO BE IN SURFACE MOUNTED METAL CONDUIT ON WALLS.
 6. SWITCH OCCUPANCY SENSOR TO BE AUTO ON, WITH 30 MINUTE DELAY AUTO OFF.

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Consultant's Name Nom de l'expert-conseil
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Project title/Titre du projet
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AND DAY USE AREA
PHASE 01**
 GRASSLANDS NATIONAL PARK, SK

Drawing title/Titre du dessin
**ELECTRICAL
SUMMER KITCHEN DETAILS**

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