

ELK ISLAND NATIONAL PARK - LIVING WATERS BOARDWALK REDEVELOPMENT

Client/client



**Parks Canada
Agency
Western and
Northern Region**

**L'Agence Parcs
Canada
Ouest et Nord
Région**



McElhanney

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PROJECT # 2511 00680 - 00

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
04	2017.06.30	IFT	DD	SS
03	2017.05.19	ISSUED FOR IFT REVIEW	NG/DD	SS
02	2017.01.13	ISSUED FOR 90% REVIEW	NG/LJ	SS
01	2016.11.18	ISSUED FOR 66% CD	NG	SS

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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Consultant's Name Nom de l'expert-conseil	McElhanney
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Project title/Titre du projet	LIVING WATERS BOARDWALK ELK ISLAND NATIONAL PARK, AB
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Drawing title/Titre du dessin	COVER SHEET
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Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
Designed by/Concept par SS	Reviewed by/Revisé par SS/DH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada MARK MCINTYRE	
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Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Parks Canada	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
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Project No./No. du projet 2511 00680 - 00	Asset No./No. du bien	Sheet No./ No. de la feuille L00
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Drawing Reference No./No. de référence du dessin	
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1
L01
LOCATION PLAN
NTS

2
L01
SCOPE BOUNDARY
NTS

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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
LIVING WATERS BOARDWALK
ELK ISLAND NATIONAL PARK, AB

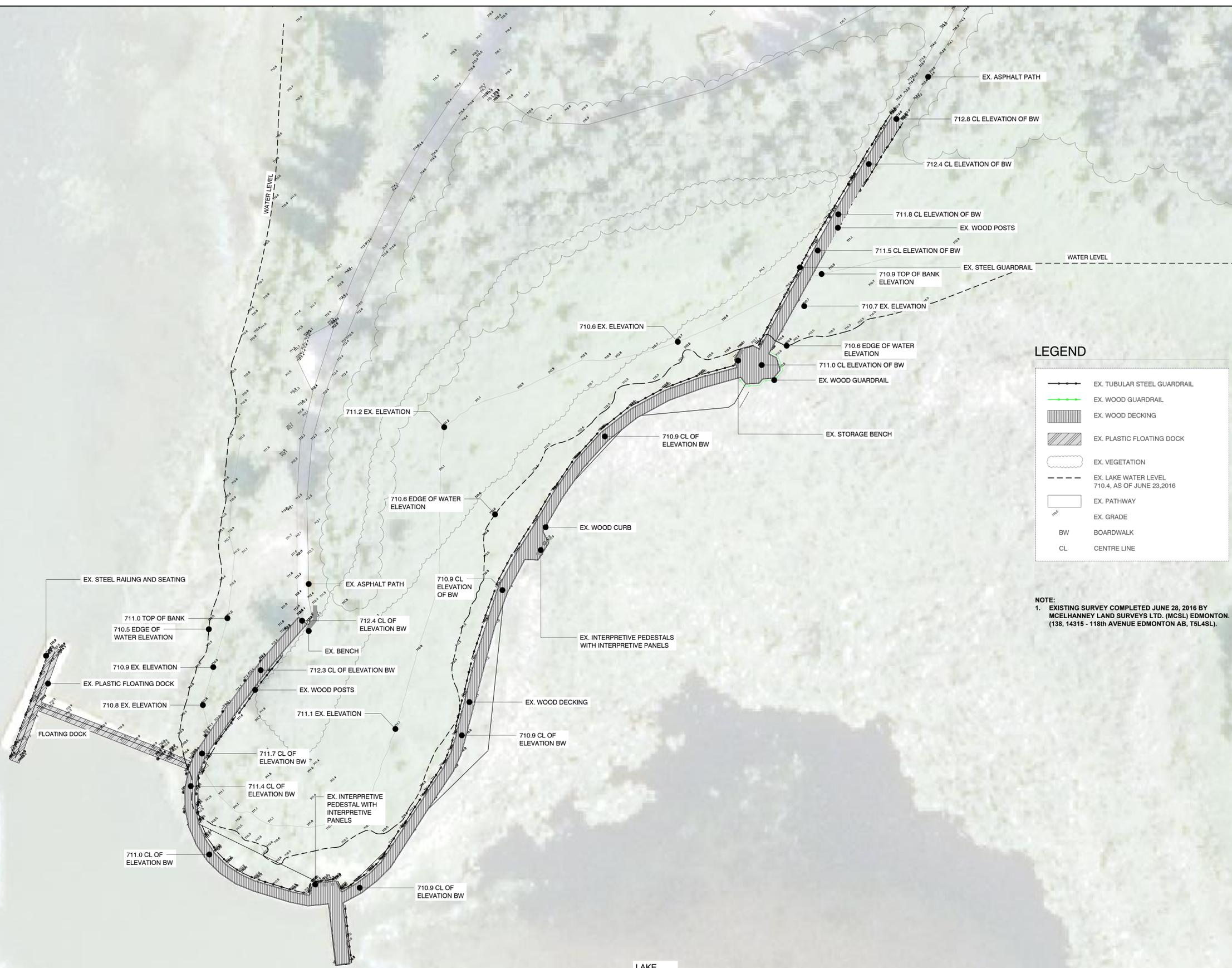
Drawing title/Titre du dessin
LOCATION PLAN

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
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Parks Canada Project Manager/Administrateur de Projets Parcs Canada MARK MCINTYRE		
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Project No./No. du projet 2511 00680 - 00	Asset No./No. du bien	Sheet No./ No. de la feuille L01
Drawing Reference No./No. de référence du dessin		



NOT FOR CONSTRUCTION

Filename: G:\Projects\2511 00680\00 Elk Island Provincial Park\10.0 Drawings\Current\1717.06.18 Elk Island Provincial Park_90%_eng\LOCATION PLAN
June 30, 2017, 15:22:31
Project:



LEGEND

- EX. TUBULAR STEEL GUARDRAIL
- EX. WOOD GUARDRAIL
- EX. WOOD DECKING
- EX. PLASTIC FLOATING DOCK
- EX. VEGETATION
- EX. LAKE WATER LEVEL 710.4, AS OF JUNE 23, 2016
- EX. PATHWAY
- EX. GRADE
- BW BOARDWALK
- CL CENTRE LINE

NOTE:
 1. EXISTING SURVEY COMPLETED JUNE 28, 2016 BY MCELHANNY LAND SURVEYS LTD. (MCSL) EDMONTON, (138, 14315 - 118th AVENUE EDMONTON AB, T5L4S1).

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Revision / Revision				

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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
LIVING WATERS BOARDWALK
ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin
EXISTING CONDITIONS PLAN

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
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Designed by/Concept par SS	Reviewed by/Revisé par SS/DH	Scale/Echelle AS SHOWN
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Parks Canada Project Manager/Administrateur de Projets Parcs Canada
 MARK MCINTYRE

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 2511 00580 - 00	Asset No./No. du bien No. de la feuille

Drawing Reference No./No. de référence du dessin
L02

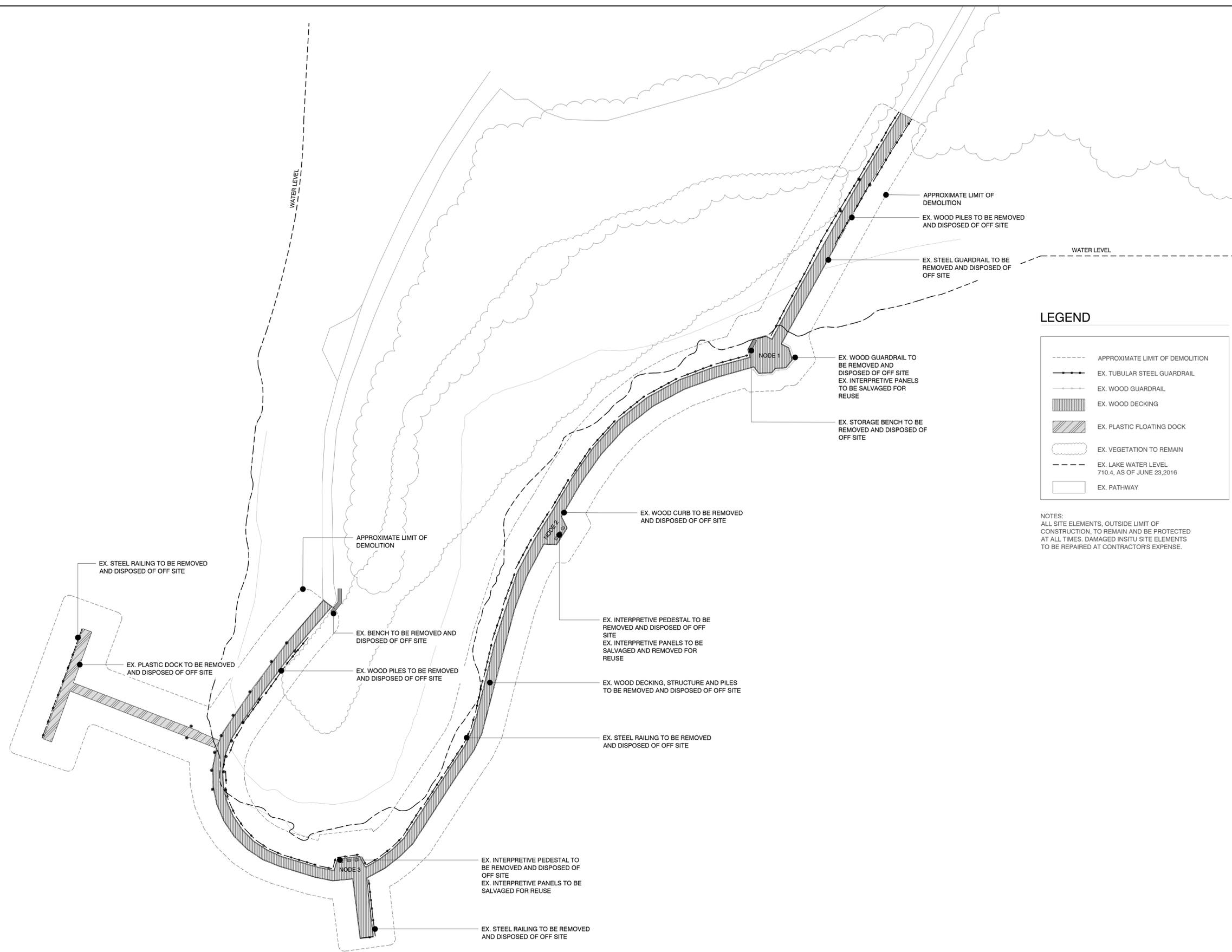
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 Plotter:

1
L02
EXISTING CONDITIONS PLAN
 SCALE 1:300

NOT FOR CONSTRUCTION



File name: G:\Projects\2511_00580_00 Elk Island Provincial Park\10.0 Drawings\Current\170112 Elk Island Provincial Park Demo Plan.dwg; DEMOLITION PLAN
 June 30, 2017, 10:39:32
 Plotter:



LEGEND

- APPROXIMATE LIMIT OF DEMOLITION
- EX. TUBULAR STEEL GUARDRAIL
- EX. WOOD GUARDRAIL
- ▨ EX. WOOD DECKING
- ▨ EX. PLASTIC FLOATING DOCK
- EX. VEGETATION TO REMAIN
- - - EX. LAKE WATER LEVEL 710.4, AS OF JUNE 23, 2016
- EX. PATHWAY

NOTES:
 ALL SITE ELEMENTS, OUTSIDE LIMIT OF CONSTRUCTION, TO REMAIN AND BE PROTECTED AT ALL TIMES. DAMAGED INSITU SITE ELEMENTS TO BE REPAIRED AT CONTRACTOR'S EXPENSE.

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

<p>Consultant's Stamp Societe de l'expert-conseil</p>  <p style="text-align: center;">The Alberta Association of Landscape Architects Stan Siemens</p>	<p>Eng. Stamp Societe de l'ingénieur</p>
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<p>Client/Client</p>  <p>Parks Canada Agency Western and Northern Region</p>	<p>L'Agence Parcs Canada Ouest et Nord du Canada</p>	
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Consultant's Name
 Nom de l'expert-conseil



Project title/Titre du projet

LIVING WATERS BOARDWALK

ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

DEMOLITION PLAN

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
Designed by/Concept par SS	Reviewed by/Revisé par SS/DH	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
 MARK MCINTYRE

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 2511 00580 - 00	Asset No./No. du bien No. de la feuille

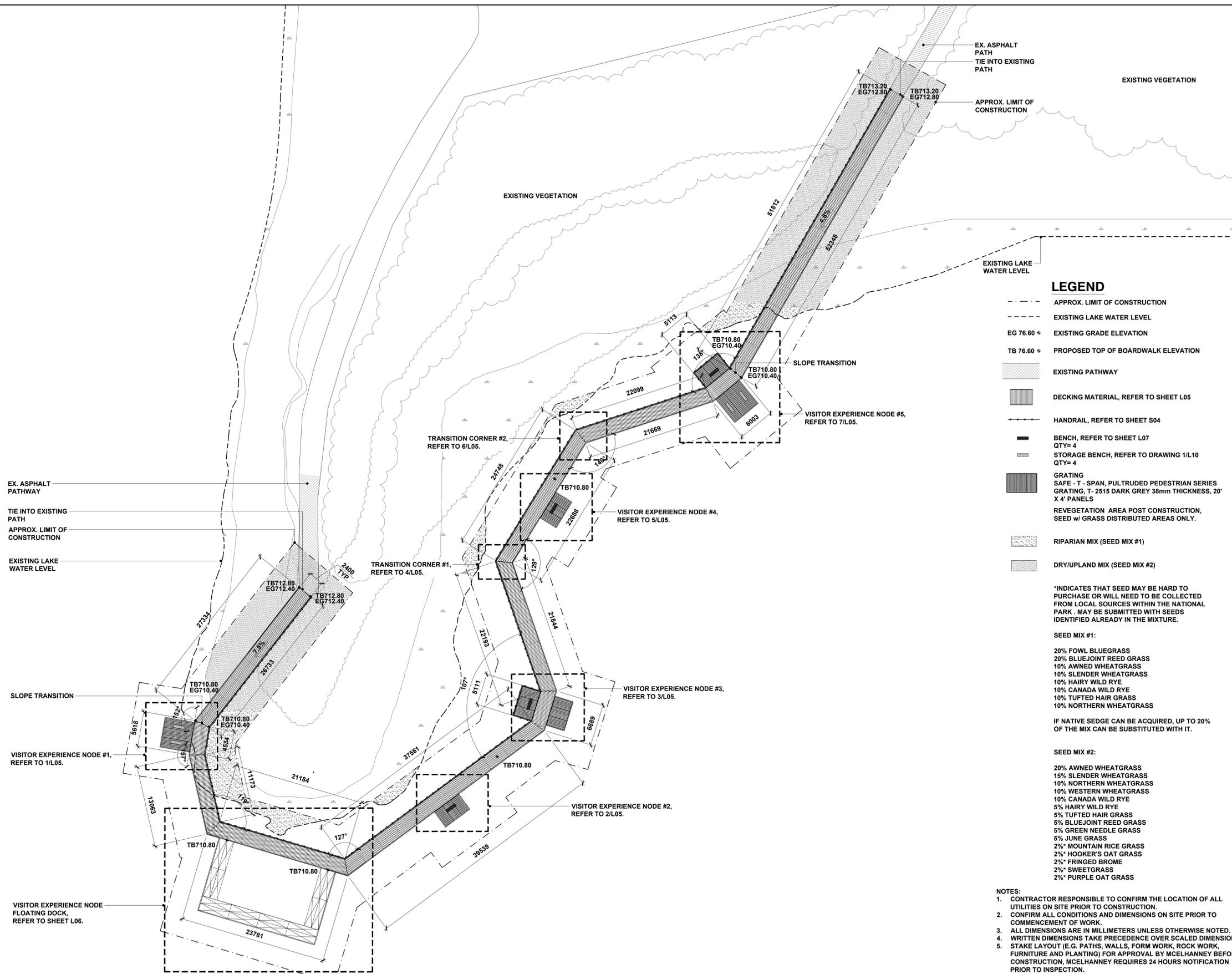
Drawing Reference No./No. de référence du dessin

L03

1
L03
DEMOLITION PLAN
 SCALE 1:300

NOT FOR CONSTRUCTION





LEGEND

- APPROX. LIMIT OF CONSTRUCTION
- - - EXISTING LAKE WATER LEVEL
- EG 76.60 * EXISTING GRADE ELEVATION
- TB 76.60 * PROPOSED TOP OF BOARDWALK ELEVATION
- [Hatched Box] EXISTING PATHWAY
- [Solid Box] DECKING MATERIAL, REFER TO SHEET L05
- [Dashed Line] HANDRAIL, REFER TO SHEET S04
- [Solid Line] BENCH, REFER TO SHEET L07
- [Dashed Line] STORAGE BENCH, REFER TO DRAWING 1/L10
- [Solid Box] GRATING
- [Dotted Box] REVEGETATION AREA POST CONSTRUCTION, SEED w/ GRASS DISTRIBUTED AREAS ONLY.
- [Stippled Box] RIPARIAN MIX (SEED MIX #1)
- [Cross-hatched Box] DRY/UPLAND MIX (SEED MIX #2)

*INDICATES THAT SEED MAY BE HARD TO PURCHASE OR WILL NEED TO BE COLLECTED FROM LOCAL SOURCES WITHIN THE NATIONAL PARK. MAY BE SUBMITTED WITH SEEDS IDENTIFIED ALREADY IN THE MIXTURE.

- SEED MIX #1:**
- 20% FOWL BLUEGRASS
 - 20% BLUEJOINT REED GRASS
 - 10% AWNED WHEATGRASS
 - 10% SLENDER WHEATGRASS
 - 10% HAIRY WILD RYE
 - 10% CANADA WILD RYE
 - 10% TUFTED HAIR GRASS
 - 10% NORTHERN WHEATGRASS
- IF NATIVE SEDGE CAN BE ACQUIRED, UP TO 20% OF THE MIX CAN BE SUBSTITUTED WITH IT.

- SEED MIX #2:**
- 20% AWNED WHEATGRASS
 - 15% SLENDER WHEATGRASS
 - 10% NORTHERN WHEATGRASS
 - 10% WESTERN WHEATGRASS
 - 10% CANADA WILD RYE
 - 5% HAIRY WILD RYE
 - 5% TUFTED HAIR GRASS
 - 5% BLUEJOINT REED GRASS
 - 5% GREEN NEEDLE GRASS
 - 5% JUNE GRASS
 - 2% MOUNTAIN RICE GRASS
 - 2% HOOKER'S OAT GRASS
 - 2% FRINGED BROME
 - 2% SWEETGRASS
 - 2% PURPLE OAT GRASS

- NOTES:**
1. CONTRACTOR RESPONSIBLE TO CONFIRM THE LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION.
 2. CONFIRM ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 4. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
 5. STAKE LAYOUT (E.G. PATHS, WALLS, FORM WORK, ROCK WORK, FURNITURE AND PLANTING) FOR APPROVAL BY MCELHANNY BEFORE CONSTRUCTION, MCELHANNY REQUIRES 24 HOURS NOTIFICATION PRIOR TO INSPECTION.
 6. REQUEST FOR EQUIVALENTS MUST BE SUBMITTED TO MCELHANNY PRIOR TO BID SUBMISSION. REQUESTED ALTERNATES MUST CONFORM TO SPECIFIED MATERIALS AND REQUIRES APPROVAL BY MCELHANNY AND THE OWNER FOR ACCEPTANCE.
 7. INSTALL FURNITURE AS PER MANUFACTURER'S SPECIFICATIONS.
 8. SET ALL TRASH RECEPTACLES A MINIMUM OF 1.0m BACK FROM THE EDGE OF PATHWAY.
 9. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND NOTIFY MCELHANNY OF ANY DISCREPANCIES.

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01	2016.11.18	ISSUED FOR 66% CD	NG	SS

Revision / Revision

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Stan Siemens

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

LIVING WATERS BOARDWALK

ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

LAYOUT AND GRADING PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	DD	2016.11.18

Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
SS	SS/DH	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

MARK MCINTYRE

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Approved by/Approuvé par

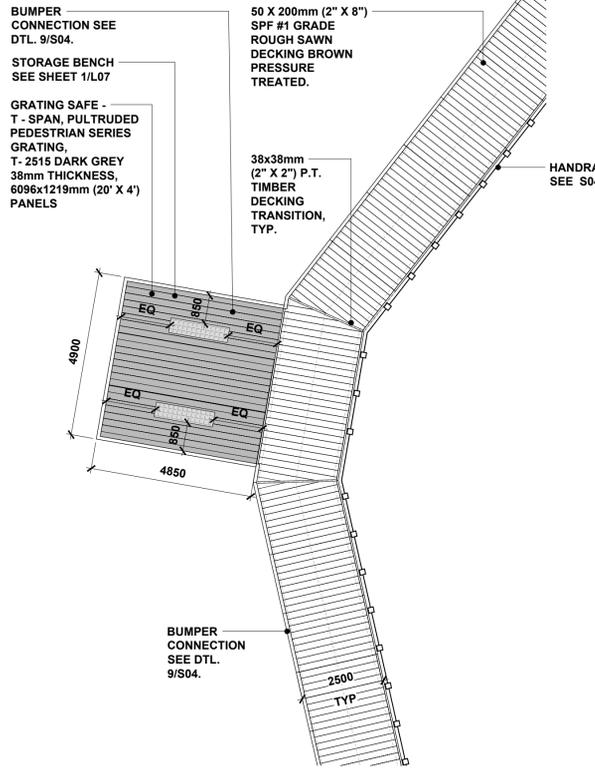
Parks Canada Responsible Officer/Agent Responsable	Parks Canada Project Manager/Administrateur de Projets Parcs Canada
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2511 00580 - 00		L04

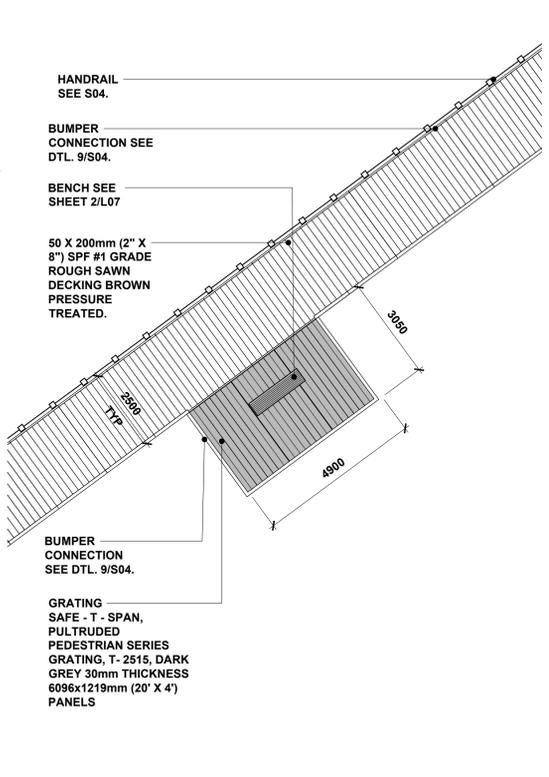
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1 L04 LAYOUT AND GRADING PLAN
SCALE 1:300

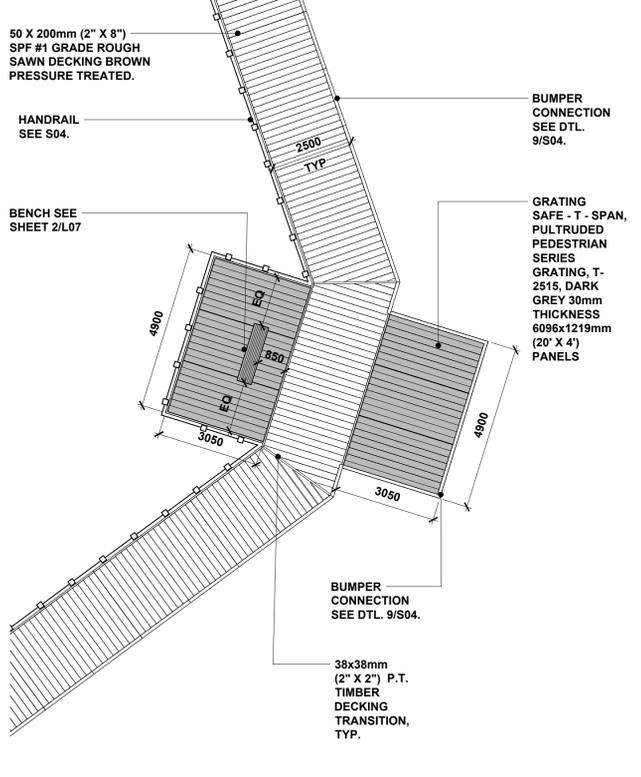
NOT FOR CONSTRUCTION



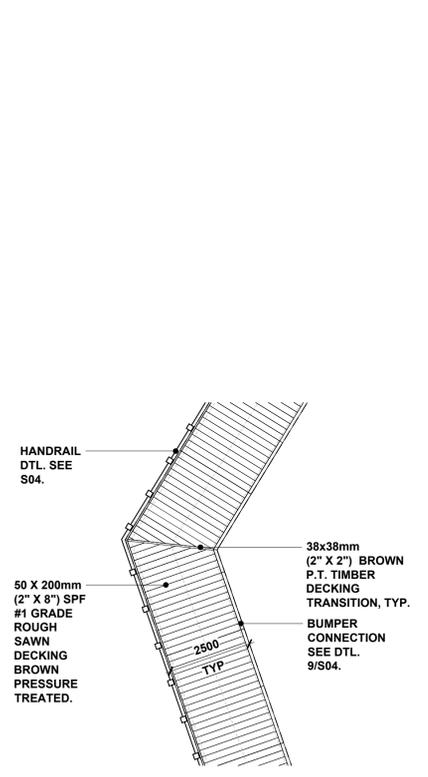
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L05
VISITOR EXPERIENCE NODE #1
SCALE 1:100



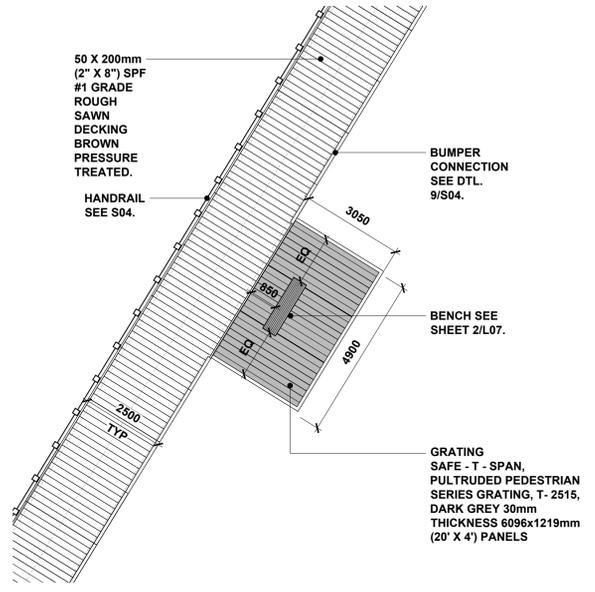
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L05
VISITOR EXPERIENCE NODE #2
SCALE 1:100



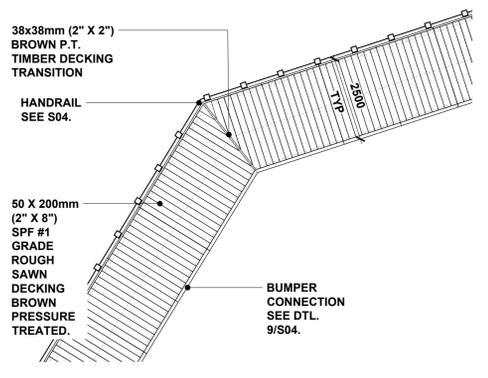
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L05
VISITOR EXPERIENCE NODE #3
SCALE 1:100



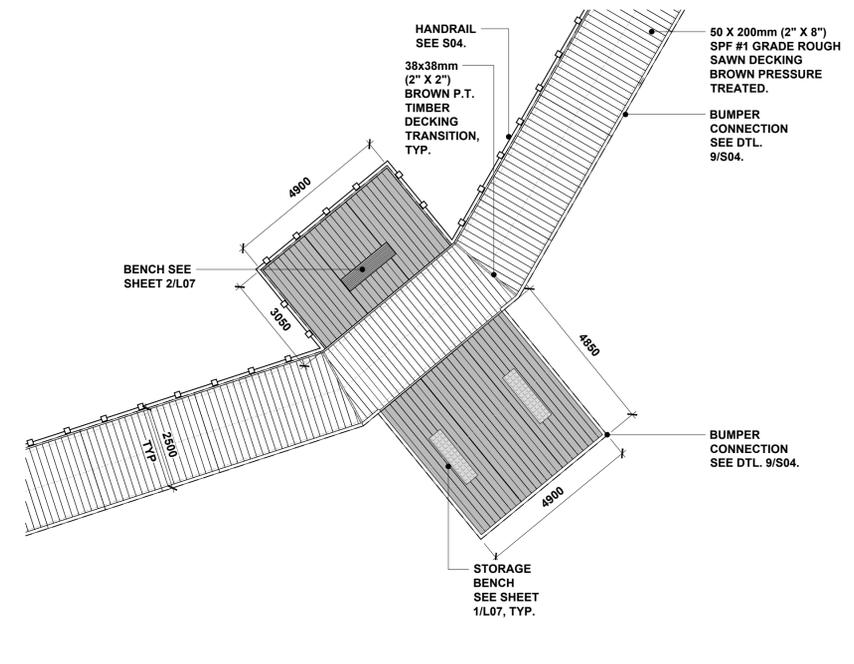
4
L05
TRANSITION CORNER #1
SCALE 1:100



5
L05
VISITOR EXPERIENCE NODE #4
SCALE 1:100



6
L05
TRANSITION CORNER #2
SCALE 1:100



7
L05
VISITOR EXPERIENCE NODE #5
SCALE 1:100

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Sceau de l'expert-conseil

The Alberta Association of Landscape Architects
Stan Siemens

Eng. Stamp
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Consultant's Name
Nom de l'expert-conseil

McElhanny

Project title/Titre du projet

LIVING WATERS BOARDWALK

ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

DETAILED LAYOUT PLANS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
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Parcs Canada Responsible Officer/Agent Responsable
Parcs Canada

Parcs Canada Project Manager/Administrateur de Projets
Parcs Canada

Project No./No. du projet
2511 00580 - 00

Asset No./No. du bien

Sheet No./
No. de la feuille
L05

Drawing Reference No./No. de référence du dessin

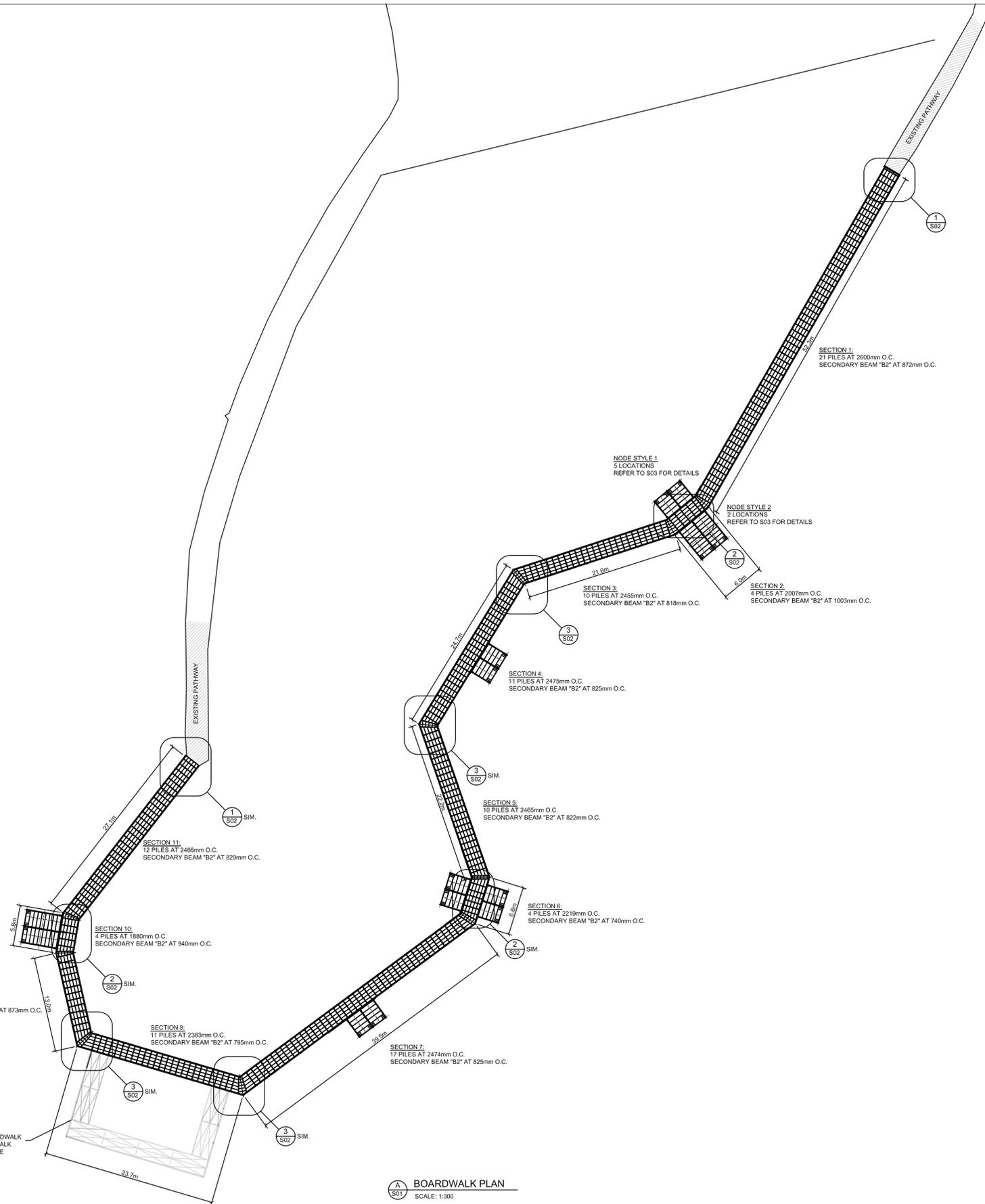


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June 30, 2017, 10:35:33
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NOT FOR CONSTRUCTION

June 30, 2017 - 14:37:27
 Filename: S:\Project Files\2511-00880 - Elk Island National Park Boardwalk\10.0 Drawings\10.1 Drawings\Structural\10.100dwg.dwg(S01)

FLOATING STRUCTURE - DESIGN BY OTHERS
 FLOATING STRUCTURE TO BE SELF SUPPORTED
 THE STRUCTURE MUST BE CONNECTED TO THE BOARDWALK
 BUT CANNOT TRANSFER ANY LOADS TO THE BOARDWALK
 THE CONNECTION DETAIL MUST BE SUBMITTED TO THE
 CONSULTANT FOR REVIEW.



A BOARDWALK PLAN
 SCALE: 1:300
 NOTE: DECK NOT SHOWN FOR CLARITY

STRUCTURAL NOTES

GENERAL

1. ALL CONSTRUCTION IS TO CONFORM TO THE NATIONAL BUILDING CODE.
2. ALL REFERENCES TO CONSTRUCTION STANDARDS NOTED ON THESE DRAWINGS REFER TO THE LATEST REVISED ISSUE.
3. STRUCTURAL ELEMENTS PRESENTED ON THESE DRAWINGS ARE FOR PERMANENT STRUCTURE AND FOUNDATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY AND CONSTRUCTION BRACING AND SUPPORT INCLUDING GEOTECHNICAL REQUIREMENTS UNTIL THE PROJECT IS COMPLETED.
4. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE, FOR INFORMATION THAT PERTAINS SOLELY TO FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION AND INSTALLATION AND FOR COORDINATION OF THE WORK OF ALL SUB-TRADES.

FIELD REVIEWS BY McELHANNEY CONSULTING SERVICES LTD.

1. McELHANNEY ASSUMES NO RESPONSIBILITY FOR FIELD REVIEWS OF THE CONSTRUCTION OR VERIFICATION OF THE CONSTRUCTION UNLESS EXPRESSLY RETAINED TO DO SO.
2. McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) PROVIDE FIELD REVIEWS ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. FIELD REVIEWS BY McELHANNEY ARE PERIODIC AND AT THE SOLE DISCRETION OF McELHANNEY IN ORDER TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE DESIGN DRAWINGS AND SUPPORTING DOCUMENTS.
3. FIELD REVIEWS BY McELHANNEY ARE NOT FOR THE CONTRACTORS BENEFIT NOR DOES IT MAKE McELHANNEY GUARANTORS OF THE CONTRACTORS WORK. IT REMAINS THE CONTRACTORS RESPONSIBILITY TO BUILD THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
4. McELHANNEY WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. IF McELHANNEY IS RETAINED FOR FIELD REVIEWS THEN THE CONTRACTOR IS TO PROVIDE 24 HOUR NOTICE PRIOR TO CONCRETE POURS AND BEFORE ENCLOSING FRAMING ELEMENTS. FIELD REVIEWS ARE TO BE SCHEDULED AND TO BE CARRIED OUT DURING NORMAL BUSINESS HOURS UNLESS SPECIAL ARRANGEMENTS ARE MADE WITH McELHANNEY.

DESIGN STANDARDS:

1. ALL STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH PART 4 OF THE ALBERTA BUILDING CODE, CSA S16, CSA S86, TPC PROCEDURES AND LOCAL BYLAWS.
- 2) DESIGN LOADINGS:
 DEAD = SELF WEIGHT
 SNOW = 2.4 kPa
 LIVE = 4.8 kPa
 PILE VERTICAL ULS LOAD = 50kN

ROUGH CARPENTRY

1. NAIL GUNS MAY BE USED TO INSTALL NAILS, PROVIDED THE CORRECT TYPE, QUANTITY, LENGTH AND DIAMETER OF NAILS ARE PROPERLY INSTALLED. SEE MANUFACTURERS SPECIFICATIONS FOR COMMON NAIL EQUIVALENTS.
2. ALL BUILT-UP BEAMS TO BE NAILED TOGETHER WITH 3 ROWS OF 75mm (3") NAILS @ 305mm o/c MINIMUM OR AS SPECIFIED BY SCL SUPPLIER.
3. INDIVIDUAL MEMBERS OF BUILT-UP BEAMS TO BE UNSPLICED BETWEEN SUPPORTS.
4. ALL SAWN TIMBER EXPOSED TO EXTERIOR IS TO BE PRESSURE TREATED IN CONFORMANCE WITH BUILDING CODE REQUIREMENTS.
5. USE APPROVED JOIST HANGERS AT ALL FLUSH BEAMS. MANUFACTURER TO BE SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.
6. ALL BUILT-UP MEMBERS OR INDIVIDUAL JOISTS FRAMING TO FLUSH BEAMS OR HEADERS ARE TO BE CONNECTED WITH METAL HANGERS PRE-APPROVED BY ENGINEER. (SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.)

STRUCTURAL STEEL

1. STRUCTURAL STEEL IS TO CONFORM TO CSA G40.21 WITH THE FOLLOWING GRADES:
 - HSS SECTIONS, CLASS C
 - BARS AND PLATES - 350W
2. SUPPLY MISCELLANEOUS ITEMS INCLUDING ALL ANCHOR BOLTS, EXPANSION BOLTS, AND OTHER MEANS OF ANCHORAGE NOT SPECIFICALLY CALLED FOR ELSEWHERE. SUPPLY ALL ANGLES, BRACKETS, CLEATS, PLATES, BEAMS, CHANNELS, NUTS, BOLTS AND OTHER ANGLIARY FASTENING NOT SPECIFIED ELSEWHERE.
3. THE STEEL FABRICATOR IS RESPONSIBLE FOR PROVIDING CONNECTION DESIGN AND DETAILING FOR CONNECTIONS NOT SPECIFICALLY SHOWN ON THE DRAWINGS INCLUDING BUT NOT LIMITED TO STRUCTURAL TEES, ANGLE CLIPS, BASE PLATES AND COLUMN CAPS.
4. CONNECTIONS ARE TO BE DESIGNED FOR MAXIMUM SHEAR CAPACITY OF SUPPORTED MEMBER UNLESS NOTED OTHERWISE.
5. STRUCTURAL BOLTS ARE TO CONFORM TO ASTM A325.
6. FABRICATE AND ERECT STRUCTURAL STEEL TO CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES.
7. WELDING TO CONFORM TO CSA W-59 BY FABRICATORS CERTIFIED BY CANADIAN WELDING BUREAU (CWB) TO THE REQUIREMENTS OF CSA W47.1 DIVISION 1 OR 2.1.
8. FIELD CONNECTIONS ARE TO BE HIGH STRENGTH, STEEL BOLTED CONNECTIONS EXCEPT WHERE DETAILED OTHERWISE ON DRAWINGS.
9. THE STEEL FABRICATOR IS TO SUBMIT SHOP DRAWINGS AND STEEL LAYOUT PLANS IN ACCORDANCE WITH THE BUILDING CONTRACT SPECIFICATIONS TO THE ENGINEER FOR REVIEW, MINIMUM 2 WEEKS PRIOR TO FABRICATION.
10. THE SHOP DRAWINGS ARE TO INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 PROJECT NAME, PROJECT ADDRESS, DESIGN LOADS, DESIGN METHODS, LIVE LOAD AND TOTAL LOAD DEFLECTIONS, MEMBER LAYOUT, MEMBER SIZES, MATERIAL GRADE, BRACING SYSTEMS, BEARING REQUIREMENTS, BEARING ATTACHMENT, MEMBER CONNECTION DETAILS AND INSTALLATION PROCEDURE.
11. THE SHOP DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ALBERTA CERTIFYING THAT THE STEEL CONNECTIONS ARE CORRECT FOR THE SPECIFIED DESIGN LOADS.
12. TIMBER CONNECTION BOLTS ARE TO CONFORM TO MINIMUM A325 TO DIAMETERS AND LENGTHS INDICATED ON DRAWINGS.
13. CAP PLATES SHALL BE PROVIDED AND SEAL WELDED TO THE OPEN ENDS OF ALL HSS TUBES UNLESS NOTED OTHERWISE. DRAIN HOLES ARE TO BE PROVIDED AT THE BASE OF ALL HSS TUBES.

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
04	2017.06.30	IFT	JB	JB
03	2017.05.18	ISSUED FOR IFT REVIEW	DD	JB
02	2017.01.13	ISSUED FOR 90% REVIEW	NG	JB
01	2016.11.18	ISSUED FOR 66% CD	NG	JB

Revision / Revision	

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

 L'Agence Parcs Canada Ouest et Nord du Canada

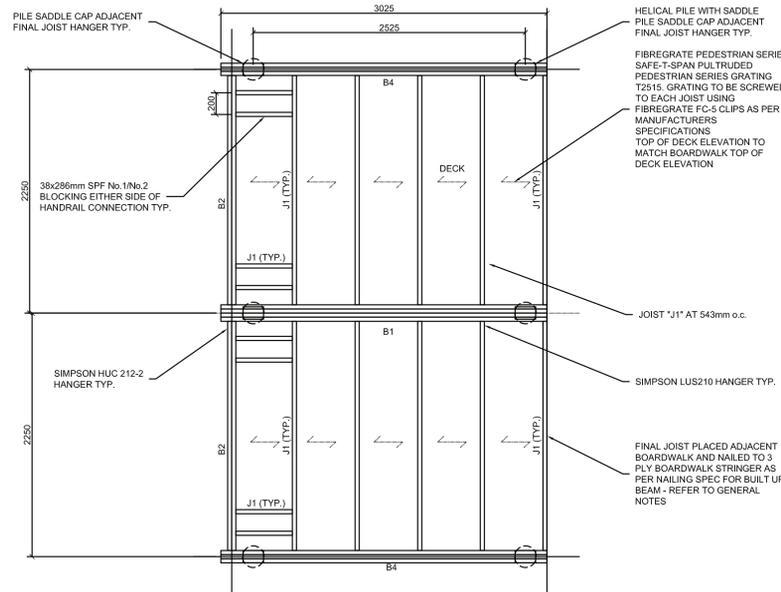
Consultant's Name
 Nom de l'expert-conseil

Project title/Titre du projet
LIVING WATERS BOARDWALK
ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin
STRUCTURAL DETAILS

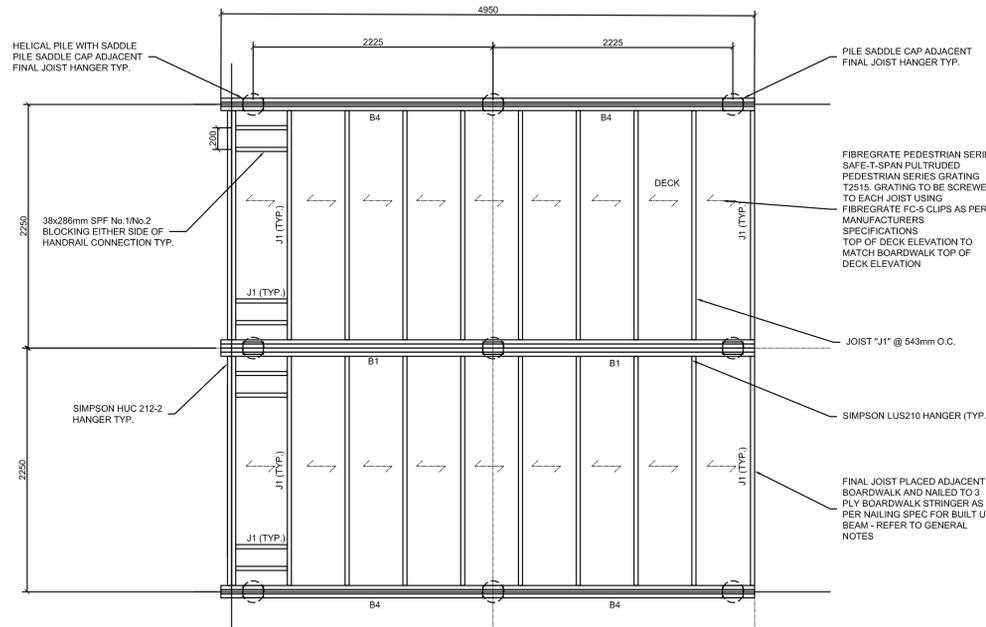
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Designed by/Conçopt par JB	Reviewed by/Revisé par JB	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada MARK MCINTYRE		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parcs Canada		Parks Canada Project Manager/Administrateur de Projets Parcs Canada
Project No./No. du projet 2511 00680 - 00	Asset No./No. de bien	Sheet No./ No. de la feuille S01
Drawing Reference No./No. de référence du dessin		

NOT FOR CONSTRUCTION



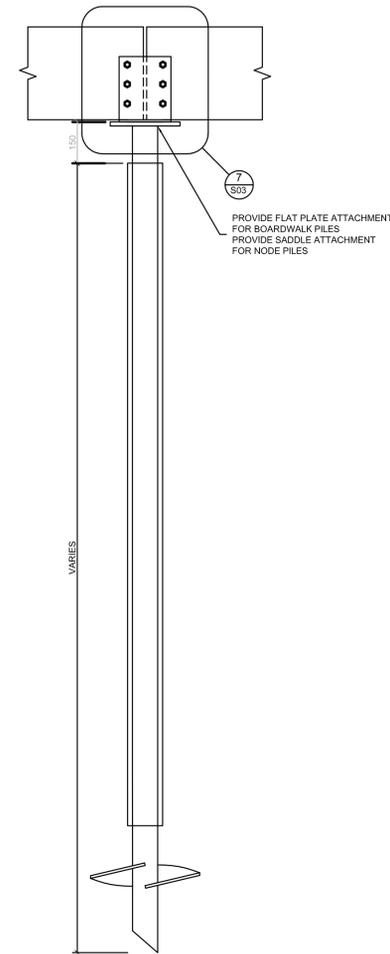
4 NODE 1 - FRAMING PLAN
SCALE: 1:30

NOTE:
ALL SIMPSON HANGERS TO BE GALVANIZED.
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



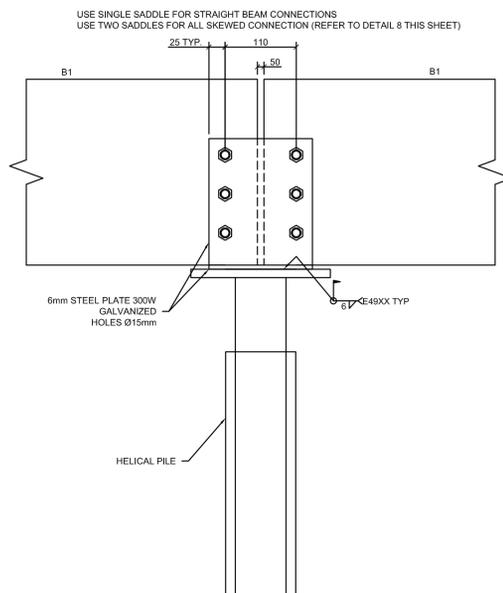
5 NODE 2 - FRAMING PLAN
SCALE: 1:30

NOTE:
ALL SIMPSON HANGERS TO BE GALVANIZED.
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



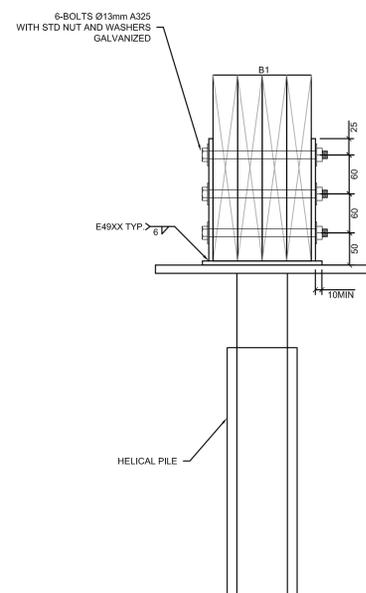
6 HELICAL PILE
SCALE: 1:10

NOTE:
HELICAL PILES TO BE DESIGNED TO 50KN ULS
PROVIDE HELICAL PILE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA FOR REVIEW BY THE CONSULTANT.
PILE CONNECTOR MUST BE HEIGHT ADJUSTABLE TO ACCOMMODATE CHANGING WATER LEVELS



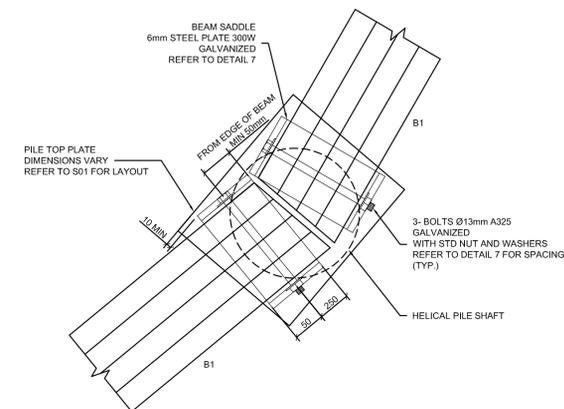
7 SADDLE DETAIL
SCALE: 1:5

NOTE:
ALL STEEL TO BE GALVANIZED
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



8 SKEWED CONNECTION DETAIL
SCALE: 1:5

NOTE:
ALL STEEL TO BE GALVANIZED
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



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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 du Canada

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet

LIVING WATERS BOARDWALK
ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

STRUCTURAL DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par JB	Date/Date 2016.11.18
Designed by/Concept par JB	Reviewed by/Revisé par JB	Scale/Echelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
MARK MCINTYRE

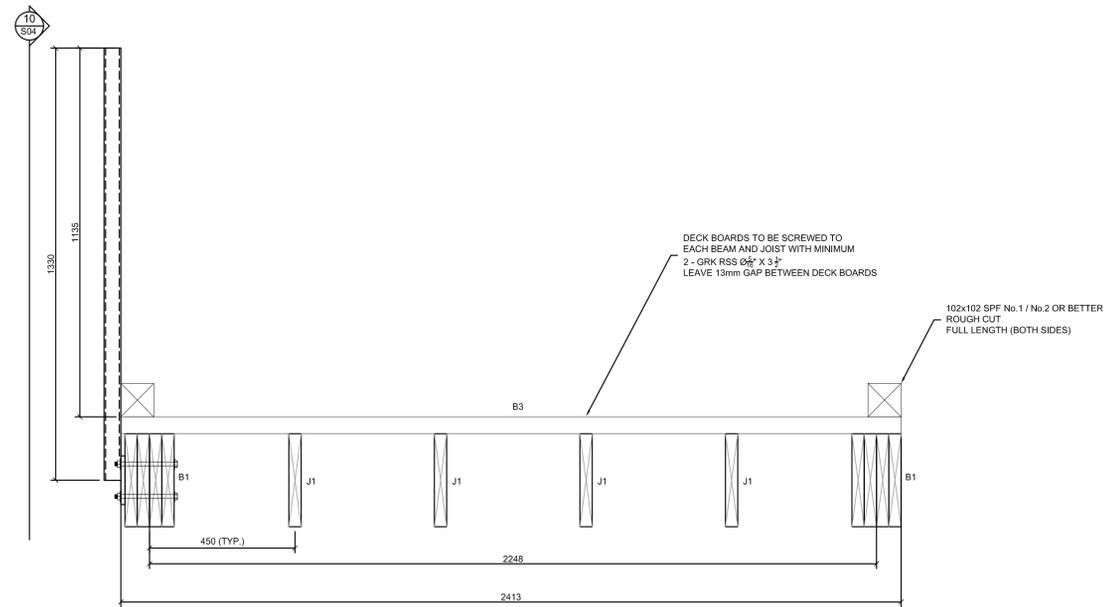
Client Acceptance/Acceptation du client

Approved by/Approuvé par

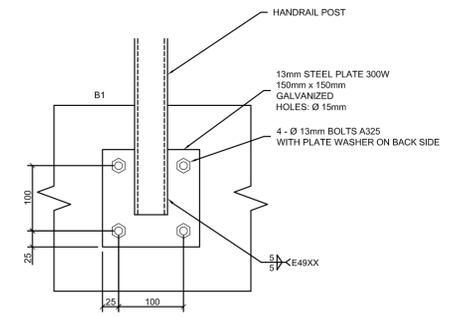
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Drawing Reference No./No. de référence du dessin		S03

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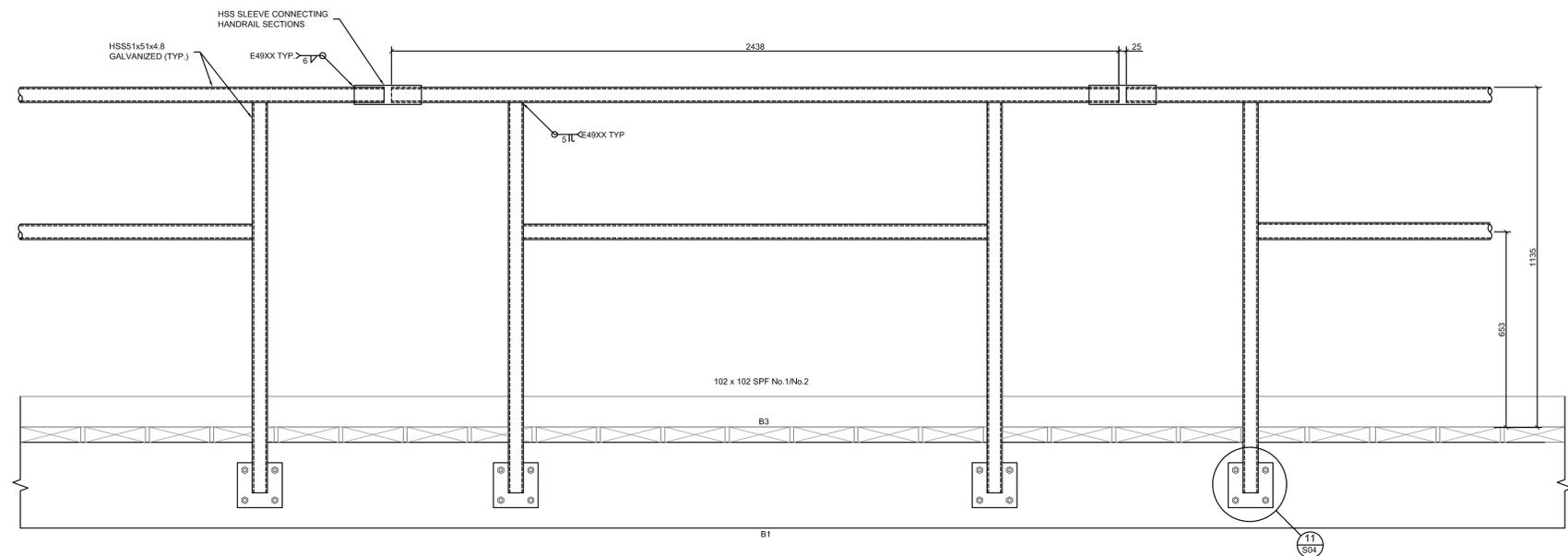
NOT FOR CONSTRUCTION



9
S04
BOARDWALK CROSS SECTION
SCALE: 1:10
NOTE:
ALL STEEL TO BE GALVANIZED
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



11
S04
HANDRAIL CONNECTION DETAIL
SCALE: 1:20
NOTE:
ALL STEEL TO BE GALVANIZED
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES



10
S04
HANDRAIL ELEVATION
SCALE: 1:20
NOTE:
ALL STEEL TO BE GALVANIZED
REFER TO DRAWING S02 FOR BEAM AND JOIST SCHEDULES
BOARDWALK HANDRAIL TYPICAL DIMENSIONS AND FINISH TO MATCH CANADADOCKS RAILING SYSTEM. ALL HARDWARE AND STEEL TUBING TO BE GALVANIZED. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR NON STANDARD DIMENSION SECTIONS OF RAILING AT ENDS OF BOARDWALK SECTIONS.

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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 du Canada

Consultant's Name
Nom de l'expert-conseil



Project title/Titre du projet
LIVING WATERS BOARDWALK
ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin
STRUCTURAL DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par JB	Date/Date 2016.11.18
Designed by/Concept par JB	Reviewed by/Revisé par JB	Scale/Echelle AS SHOWN

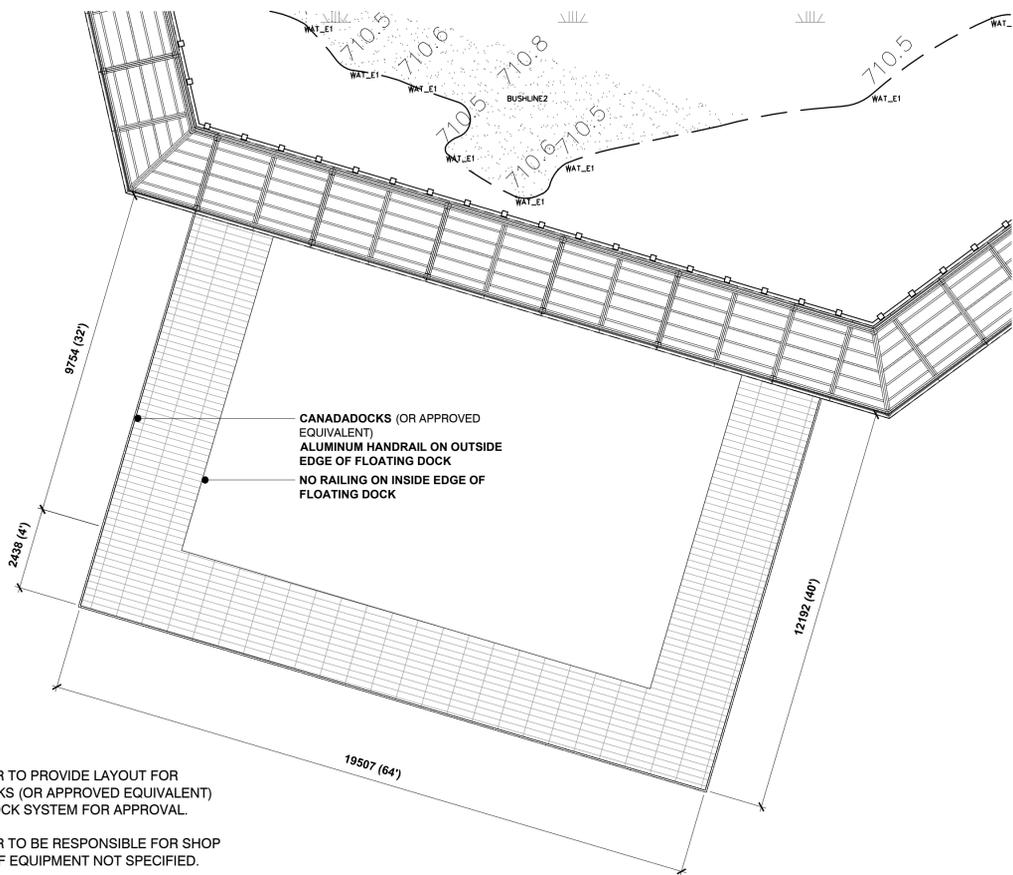
Parks Canada Project Manager/Administrateur de Projets Parcs Canada
MARK MCINTYRE

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	Sheet No./ No. de la feuille S04
Project No./No. du projet 2511 00680 - 00	Asset No./No. du bien	Drawing Reference No./No. de référence du dessin

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NOT FOR CONSTRUCTION



CANADADOCKS FLOATING DOCK SYSTEM (OR APPROVED EQUIVALENT) TO INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

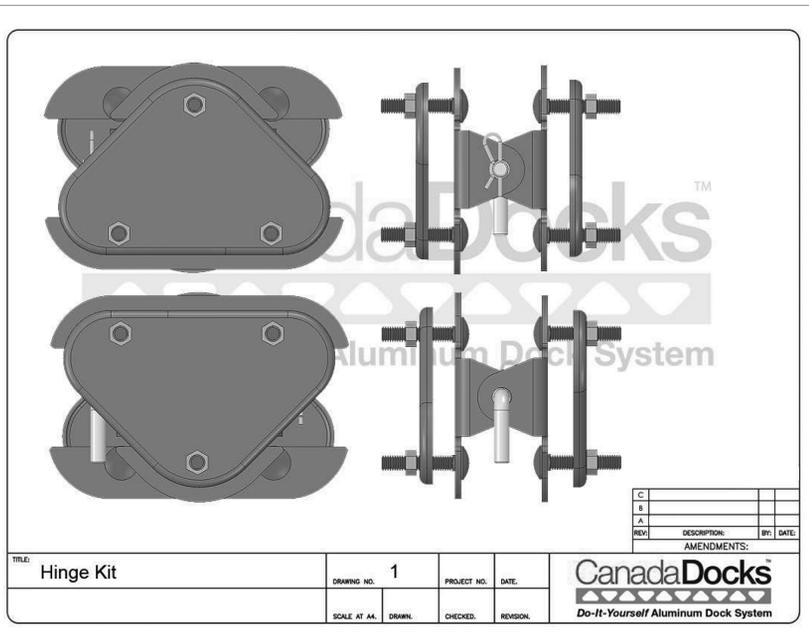
- ALUMINUM FRAMES
- ALUMINUM JOISTS
- DECKING
 - MUST ALLOW LIGHT AND WATER TO PENETRATE THROUGH
 - NON-SLIP SURFACE
 - ENVIRONMENTAL FRIENDLY
 - ADA COMPLIANT
 - UV AND STATIC ELECTRICITY PROTECTION
 - REINFORCED POLYPROPYLENE
- FOAM FILLED DOCK FLOATS
- RAMP TRANSITION UNITS
- HINGE CONNECTIONS
- HDG CARRIAGE BOLTS C/W WASHERS & HEX NUTS
- CHAIN RETAINERS C/W WASHERS & HEX NUTS
- ALUMINUM HANDRAIL

SUPPLIER: CANADADOCKS (OR APPROVED EQUIVALENT)
CONTACT: CINDY BELANGER
PHONE: 705.434.0359
EMAIL: CB@CANADADOCKS
WWW.CANADADOCKS.COM

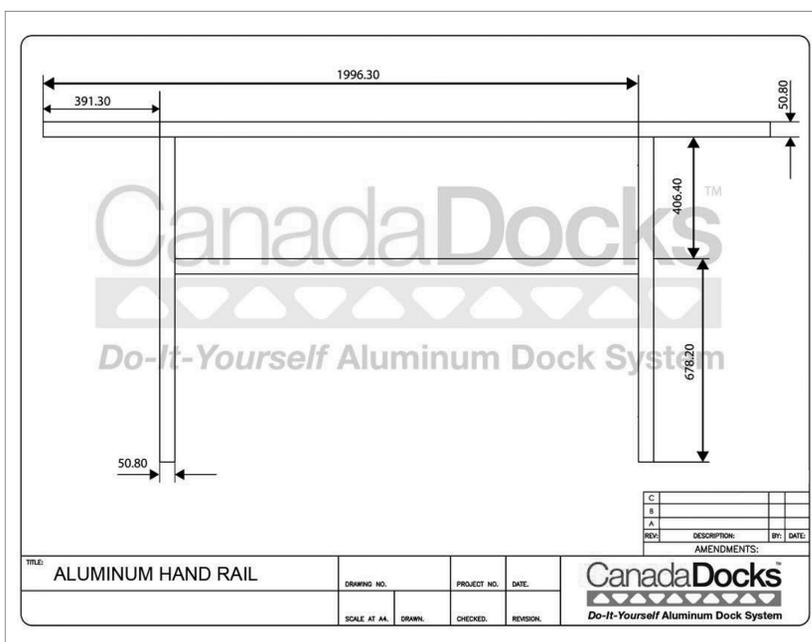
CONTRACTOR TO PROVIDE LAYOUT FOR CANADADOCKS (OR APPROVED EQUIVALENT) FLOATING DOCK SYSTEM FOR APPROVAL.

CONTRACTOR TO BE RESPONSIBLE FOR SHOP DRAWINGS OF EQUIPMENT NOT SPECIFIED.

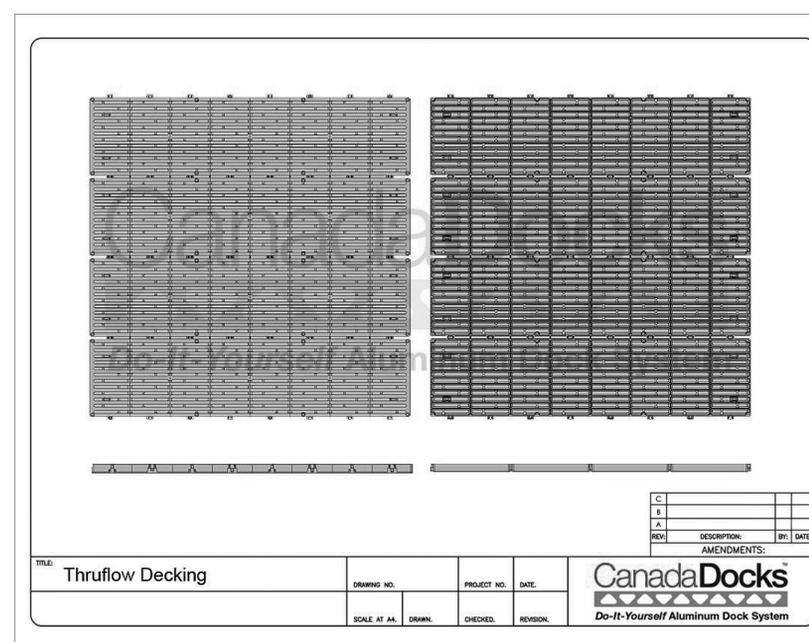
1
L06 **VISTOR EXPERIENCE NODE #2 FLOATING DOCK**
SCALE 1:100



2
L06 **CANADADOCKS HINGE KIT**
NTS



3
L06 **CANADADOCKS ALUMINUM HAND RAIL**
NTS



4
L06 **CANADADOCKS THRUFLOW DECKING**
NTS

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03	2017.05.19	ISSUED FOR IFT REVIEW	NG/DD	SS
02	2017.01.13	ISSUED FOR 90% REVIEW	NG/LJ	SS
01	2016.11.18	ISSUED FOR 66% CD	NG	SS

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

Consultant's Stamp
Sceau de l'expert-conseil

The Alberta Association of Landscape Architects

Stan Siemens

Eng. Stamp
Sceau de l'ingénieur

Client/Client

Parcs 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

LIVING WATERS BOARDWALK

ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

FLOATING DOCK SYSTEM

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	DD	2016.11.18
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
SS	SS/DH	AS SHOWN

Parcs Canada Project Manager/Administrateur de Projets Parcs Canada
MARK MCINTYRE

Client Acceptance/Acceptation du client

Approved by/Approuvé par

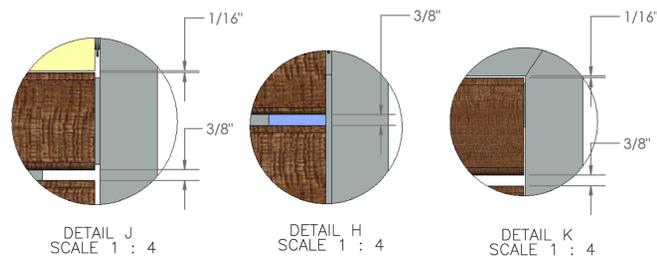
Parcs Canada Responsible Officer/Agent Responsable	Parcs Canada Project Manager/Administrateur de Projets Parcs Canada	
Project No./No. du projet	Asset No./No. de bien	Sheet No./No. de la feuille
2511 00680 - 00		L06

Drawing Reference No./No. de référence du dessin

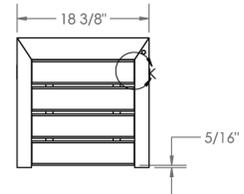
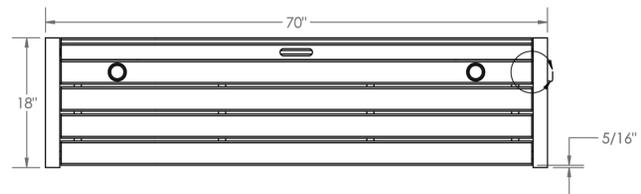
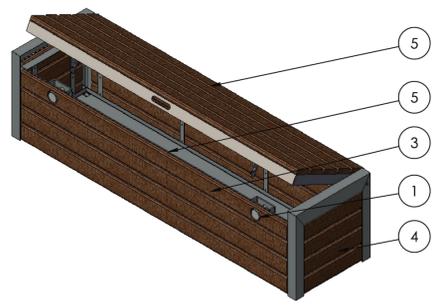


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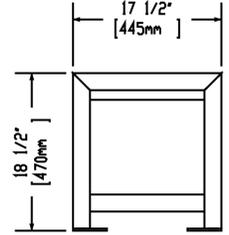
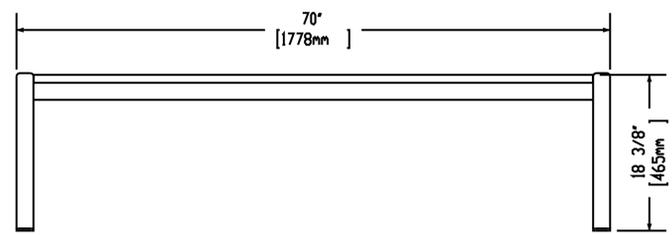
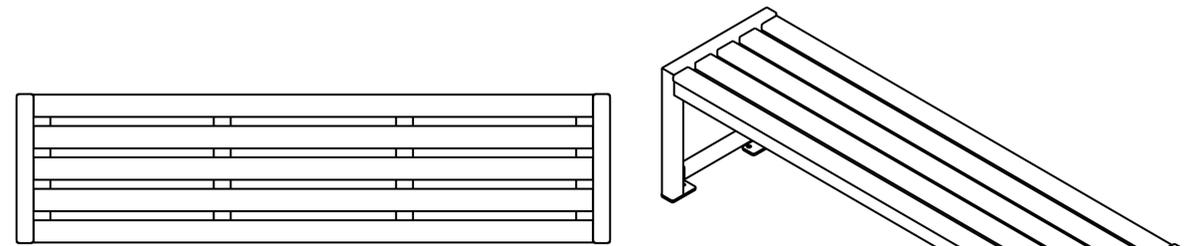
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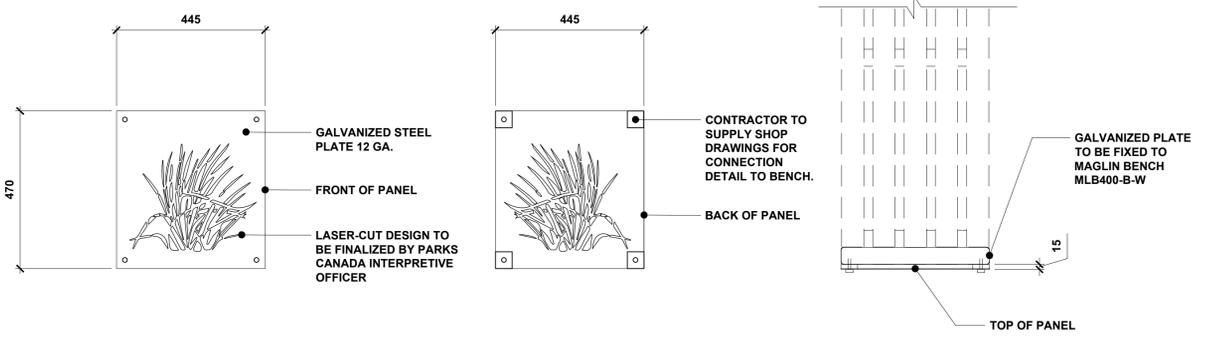
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1	2	CMLSU400BW-001	LOCK
2	12	CMLSU400BW-002	IPE-SLAT
3	1	CMLSU400BW-003	IPE-FRONT SLAT/KEY HOLES
4	8	CMLSU400BW-005	IPE - SIDE SLAT
5	1	CMLSU400BW-030	STORAGE UNIT WELDMENT



	MAGLIN SITE FURNITURE INC. 27 BYSHAM PARK DR WOODSTOCK, ON, N4T 1P1 TEL.: 800-716-5506 FAX: 877-260-9393	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAGLIN SITE FURNITURE INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAGLIN SITE FURNITURE INC. IS PROHIBITED.	TITLE: STORAGE UNIT PART NO.: CMLSU400BW SCALE (A): 1:16	DWG. NO.: CMLSU400BW REV.: 0 DATE: SEPT/27/2012 DRAWN BY: C.MOUSLEY	APPR.: B.D. SHEET: 1 OF 1
	1 L07	MAGLIN CUSTOM STORAGE BENCH NTS	WEIGHT: 274.78LBS	TITLE: STORAGE UNIT PART NO.: CMLSU400BW SCALE (A): 1:16	DWG. NO.: CMLSU400BW REV.: 0 DATE: SEPT/27/2012 DRAWN BY: C.MOUSLEY



	MAGLIN SITE FURNITURE INC. 27 BYSHAM PARK DR WOODSTOCK, ON, N4T 1P1 TEL.: 800-716-5506 FAX: 877-260-9393	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAGLIN SITE FURNITURE INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MAGLIN SITE FURNITURE INC. IS PROHIBITED.	TITLE: MLB400, BENCH, BACKLESS, WOOD PART NO.: MLB400-B-W SCALE (A): 1:16	WEIGHT: 91.37LBS	DATE: 2015-08-28
	2 L07	MAGLIN MLB400-B-W BENCH NTS	TITLE: MLB400, BENCH, BACKLESS, WOOD PART NO.: MLB400-B-W SCALE (A): 1:16	WEIGHT: 91.37LBS	DATE: 2015-08-28



3
L07
DIECUT DESIGN DETAIL
1:10

SUPPLIER: MAGLIN (OR APPROVED EQUIVALENT)
 CONTACT: RONAY SHELTON
 PHONE: 403:700:7498
 SLAT MATERIAL : IPE
 METAL COLOR: GALVANIZED
 SURFACE MOUNT AS PER MANUFACTURERS SPECIFICATIONS

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Eng. Stamp
 Sceau de l'ingénieur

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L'Agence Parcs Canada
 Ouest et Nord du Canada

Consultant's Name
 Nom de l'expert-conseil

McElhannay

Project title/Titre du projet

LIVING WATERS BOARDWALK

ELK ISLAND NATIONAL PARK, AB

Drawing title/Titre du dessin

FURNISHING DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par DD	Date/Date 2016.11.18
Designed by/Concept par SS	Reviewed by/Revisé par SS/DH	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada MARK MCINTYRE		
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 2511 00680 - 00	Asset No./No. de bien	Sheet No./No. de la feuille L07
Drawing Reference No./No. de référence du dessin		

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