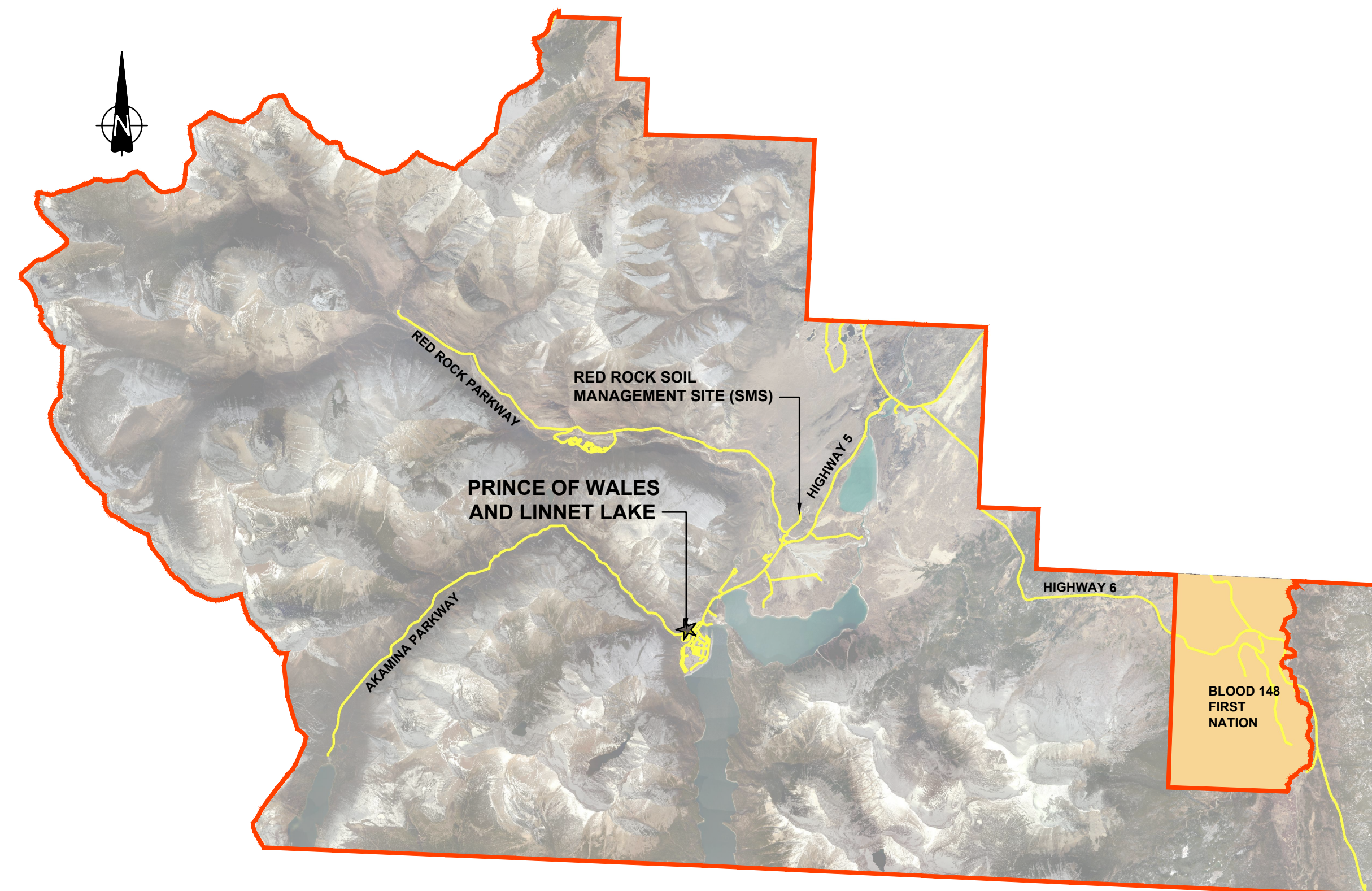


PARKS CANADA AGENCY
WESTERN AND NORTHERN REGION

PRINCE OF WALES TRAILS IMPROVEMENT WATERTON LAKES NATIONAL PARK

Project No. 2051C

DRAWING LIST	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	OVERALL PLAN
3	ENVIRONMENTAL LANDSCAPE MANAGEMENT PLAN
4	PLAN 1 OF 9
5	PLAN 2 OF 9
6	PLAN 3 OF 9
7	PLAN 4 OF 9
8	PLAN 5 OF 9
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10	PLAN 7 OF 9
11	PLAN 8 OF 9
12	PLAN 9 OF 9
13	LANDSCAPE DETAILS 1 OF 4
14	LANDSCAPE DETAILS 2 OF 4
15	LANDSCAPE DETAILS 3 OF 4
16	LANDSCAPE DETAILS 4 OF 4
17	LOOKOUT AREA PLAN
18	LOOKOUT AREA DETAILS
19	SIGNAGE 1 OF 5 PLAN
20	SIGNAGE 2 OF 5 WAYFINDING
21	SIGNAGE 3 OF 5 DETAILS
22	SIGNAGE 4 OF 5 DETAILS
23	SIGNAGE LOCATION MAP 5 OF 5



SITE LOCATION PLAN

ISSUED FOR TENDER
APRIL 27, 2020



Client
PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST
WATERTON LAKES NATIONAL PARK



REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A C	A detail number number du detail B source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.	A B C
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project title
PRINCE OF WALES TRAIL IMPROVEMENTS
titre du projet

drawing title
PRINCE OF WALES AND LINNET LAKE COVER SHEET
titre du dessin

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date
		sheet
		feuille
		1
		OF 23



PLAN
1:1750

DEMOLITION, REMOVAL AND SALVAGE

1. ALL ITEMS NOTED FOR DEMOLITION OR REMOVAL TO BE DISPOSED OF OFFSITE UNLESS OTHERWISE INDICATED.
2. ALL ITEMS NOTED FOR SALVAGING TO BE STOCKPILED AS PER THE ENVIRONMENTAL LANDSCAPE MANAGEMENT PLAN AND PROTECTED ON SITE. STOCKPILE LOCATION TO BE REVIEWED AND APPROVED WITH THE DEPARTMENTAL REPRESENTATIVE.
3. ALL TREES ONSITE TO BE PROTECTED DURING CONSTRUCTION.
4. ALL WORK SHALL BE SCHEDULED TO MINIMIZE THE AMOUNT OF DISTURBANCE AND EXPOSED SOILS AT ANY TIME.
5. NATIVE SOIL AND ORGANIC/VEGETATION MATERIAL SHALL BE EXCAVATED IN A SINGLE LIFT TO A MINIMUM THICKNESS OF 20 cm, OR AT THE DEPTH OF THE ROOTING ZONE AND DISTINCT COLOR/TEXTURAL CHANGE.
6. ALL SALVAGED NATIVE SOIL AND ORGANIC/VEGETATION MATERIAL SHALL BE STOCKPILED AND PROTECTED IN A LOCATION TO BE REVIEWED AND CONFIRMED BY DEPARTMENTAL REPRESENTATIVE. SALVAGED STOCKPILED NATIVE SOIL AND ORGANIC/VEGETATIVE MATERIAL FOR TO BE USED IN AREAS REQUIRING RECLAMATION.
7. PROTECT STOCKPILE AND ORGANIC/VEGETATIVE MATERIAL FROM WIND AND WATER.
8. SALVAGED VEGETATIVE MATERIALS MUST NOT BE SCREENED OF ANY EXISTING SOIL.
9. STRIPPED MATERIAL MUST BE UTILIZED WITHIN ONE (1) WEEK OF REMOVAL.
10. ALL EXISTING SITE FEATURES RELOCATIONS SHALL BE COMPLETED TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.

SEDIMENT AND EROSION CONTROL ACTIVITIES


1. CONTRACTOR TO INSTALL AND MAINTAIN SEDIMENT CONTROL DEVICES WHERE REQUIRED, PRIOR TO COMMENCEMENT OF CONSTRUCTION. SEDIMENT LADEN WATER MUST NOT BE PERMITTED TO ENTER INTO ANY WATERCOURSES OR CATCH BASINS (WHERE APPLICABLE). ADDITIONAL CONTROLS AS DEEMED REQUIRED BY THE DEPARTMENTAL REPRESENTATIVE DURING CONSTRUCTION ACTIVITIES SHALL BE PROVIDED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AND STRUCTURES IN GOOD WORKING ORDER AT ALL TIMES. THE CONTRACTOR MUST INSPECT SEDIMENT CONTROLS ON A REGULAR BASIS AND AFTER EVERY RAINFALL EVENT. REPAIRS MUST BE DONE IN A TIMELY MANNER TO PREVENT SEDIMENT FROM ENTERING ANY DRAINAGE SYSTEMS. THE CONTRACTOR MUST STABILIZE ALL AREAS WHICH WILL REMAIN DISTURBED FOR MORE THAN 30 DAYS WITH A METHOD DEEMED ACCEPTABLE TO THE DEPARTMENTAL REPRESENTATIVE. SILT FENCING MUST BE AVAILABLE IN CASE IMMEDIATE REPAIR IS REQUIRED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND STRUCTURES ONCE SEEDING OR SODDING IS IN PLACE AND THE SITE HAS STABILIZED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING MUD AND DUST ON ROADS AND DRIVEWAYS TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
5. TEMPORARY STAGING AND STOCKPILING OF MATERIALS AND EQUIPMENT IS ALLOWED ONLY IN AREAS APPROVED THE DEPARTMENTAL REPRESENTATIVE, AND IS TO OCCUR IN AREAS APPROVED ON SITE BY THE DEPARTMENTAL REPRESENTATIVE. EXISTING DEBRIS, GARBAGE, OR SPOILS WITHIN THE PROJECT WORK AREA SHALL BE REMOVED TO AN APPROVED LOCATION. THIS ACTIVITY SHALL BE DOCUMENTED WITH PHOTOS.

ARCHEOLOGICAL

1. ARCHEOLOGIST REQUIRED WITHIN SENSITIVE ARCHEOLOGICAL ZONES WHICH WILL BE PROVIDE TO THE WINNING BIDDER.
2. ALL CONSTRUCTION WORKS INVOLVING GROUND DISTURBANCE REQUIRES ARCHEOLOGICAL MONITORING.


ADDITIONAL NOTES

1. STEEP SLOPE BELOW THE PROPOSED LOOKOUT.
2. ROCKS REQUIRED FOR WATERBARS, RIP RAP, INSTALLATION EMERALD BAY BOULDERS AT EMERALD BAY AND TRAIL RECLAMATION AREAS WILL BE PCA SUPPLIED FROM THE RED ROCK SMS SITE.
3. EXTENTS/LOCATIONS SHOWN FOR EACH TRAIL TYPE ARE APPROXIMATE. CONFIRM WITH DEPARTMENT REPRESENTATIVE ACTUAL EXTENTS/LOCATION DURING CONSTRUCTION.



Client **PARKS CANADA AGENCY** Client
PROJECT DELIVERY SERVICES WEST

Client **WATERTON LAKES NATIONAL PARK** Client



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A detail number
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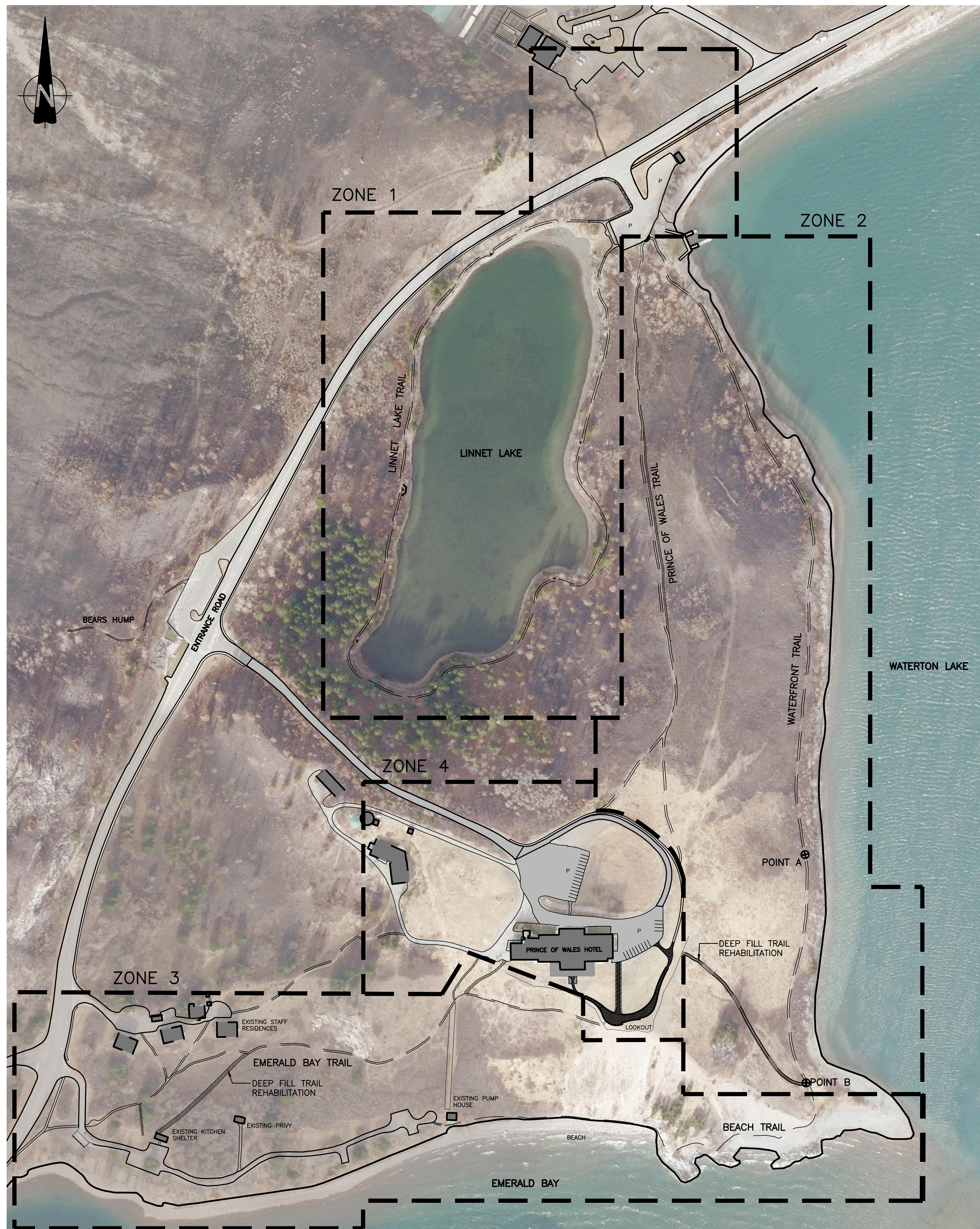
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C

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title **PRINCE OF WALES AND LINNET LAKE OVERALL PLAN** titre du dessin

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA

scale	AS SHOWN	echelle	sheet	feuille
project no.	2051C	projet no.	2	
date	JUNE 2019	date	OF	23



PLAN
1:1750

ENVIRONMENTAL MANAGEMENT ZONES

TIMEFRAME

ZONE 1 – LINNET LAKE TRAIL JUNE 1st –JULY 31st

1. STOCKPILE EXCESS STRIPPED ORGANIC SOIL AND VEGETATION AT LOCATIONS APPROVED BY DEPARTMENTAL REPRESENTATIVE FOR USE IN CONSTRUCTION RESTORATION OF SEATING AREAS, GABION WALLS, PARKING LOT AND EROSION SITES.
2. FOR LANDSCAPING DETAILS ASSOCIATED WITH THE PARKING LOT AND EROSION SITES, SEE DETAILED SPECIFICATIONS.
3. STRIPPED SOILS FROM LINNET LAKE ZONE MUST BE UTILIZED WITHIN THE LINNET LAKE ZONE AND/OR THE EMERALD BAY FORESTED ZONE FOR TRAIL REHABILITATION PURPOSES. SOILS FROM THIS ZONE CANNOT BE UTILIZED IN THE WATERTON LAKESHORE OR PRINCE OF WALES HOTEL ZONES.

ZONE 2 – WATERFRONT TRAIL AND PRINCE OF WALES TRAIL AUGUST 1st TO OCTOBER 31st

1. FROM THE LINNET LAKE PARKING LOT TO POINT A, CAST ORGANIC SOILS AND VEGETATIVE MATERIAL DOWNSLOPE, UNLESS OTHERWISE DIRECTED BY DEPARTMENTAL REPRESENTATIVE. CAST OVER MATERIALS MUST NOT BE CAST ON STEEP SLOPES THAT WILL RESULT IN SEDIMENT TRANSPORT ONTO THE LAKESHORE BELOW.
2. CAST OVER MATERIAL MUST BE PLACE VEGETATION SIDE UP AND HANDLED AS LITTLE AS POSSIBLE.
3. FROM POINT A TO POINT B, REMOVED BERM VEGETATION SHALL BE SALVAGED AND UTILIZED TO RE-VEGETATE NON-REQUIRED TRAIL ON PLAN# 6.
4. ANY EXCESS SOILS FROM THIS ZONE SHALL BE UTILIZED WITHIN THIS ZONE AND CANNOT BE TRANSPORTED TO ANY OTHER ZONES WITHIN THE PROJECT AREA.
5. FROM POINT A TO POINT B AND THE SECTION OF TRAIL IN FRONT OF THE PRINCE OF WALES, STRIP TOPSOIL FROM THE DOWNSLOPE BERM AND STORE IN WINDROW ALONG TOP OF THE CUT. USE FILL FROM STRIPPED BERM TO FILL THE EXISTING TRAIL. CONSTRUCT THE NEW TRAIL TO THE SPECIFIED WIDTH. REPLACE THE STORED TOPSOIL OVER THE FILLED CUT."

ZONE 3 – EMERALD BAY AND BEACH TRAIL JULY 1st TO AUGUST 31st

1. THERE ARE TWO TYPES OF VEGETATION PRESENT IN THIS ZONE: FORESTED COMMUNITIES AND GRASSLAND SHRUB COMMUNITIES. WHEN COMPLETING RELOCATION OF VEGETATIVE MATERIALS AND SOILS, STRIPPINGS FROM FORESTED COMMUNITIES MUST BE RE-UTILIZED IN FORESTED COMMUNITIES, AND STRIPPINGS FROM GRASSLAND SHRUB COMMUNITIES MUST BE UTILIZED IN GRASSLAND SHRUB COMMUNITIES.
2. WHERE INDICATED ON THE DRAWING, STRIP TOPSOIL FROM THE DOWNSLOPE BERM AND STORE IN WINDROW ALONG TOP OF THE CUT. USE FILL FROM STRIPPED BERM TO FILL THE EXISTING TRAIL. CONSTRUCT THE NEW TRAIL TO THE SPECIFIED WIDTH. REPLACE THE STORED TOPSOIL OVER THE FILLED CUT.

ZONE 4 – PRINCE OF WALES HOTEL AFTER SEPTEMBER 8th

1. EXCESS SOILS, FILL AND VEGETATIVE MATERIAL FROM WORK CONDUCTED IN THIS ZONE IS TO BE BROUGHT TO RED ROCK SMS UNLESS DIRECTED OTHERWISE BY DEPARTMENTAL REPRESENTATIVE.

GENERAL

1. ALL WORK SHALL BE SCHEDULED TO MINIMIZE THE AMOUNT OF DISTURBED AND EXPOSED SOILS AT ANY TIME. THE WORKSITE SOILS ARE SUBJECT TO HIGH WINDS AND SUDDEN RAINFALL EVENTS RESULTING IN EROSION.
2. ALL EQUIPMENT ENTERING THE PROJECT AREA SHALL ARRIVE ONSITE CLEAN AND FREE OF SOIL AND VEGETATIVE MATERIAL. EQUIPMENT IS SUBJECT TO A MANDATORY INSPECTION BY DEPARTMENTAL REPRESENTATIVE AND SCHEDULED 48 HOURS IN ADVANCE.
3. EQUIPMENT MUST BE CLEAN AND FREE OF SOIL AND VEGETATIVE MATERIAL TO MOVE BETWEEN ZONES WITHIN THE PROJECT AREA. CLEANING STATIONS WITHIN THE PROJECT AREA MUST BE APPROVED BY DEPARTMENTAL REPRESENTATIVE, OR CLEANING IS REQUIRED TO OCCUR OUTSIDE OF WLN. DEPARTMENTAL REPRESENTATIVE MUST INSPECT EQUIPMENT AT CLEANING STATIONS PRIOR TO IT BEING RELOCATED TO A NEW ZONE WITHIN THE PROJECT AREA.
4. DEPARTMENTAL REPRESENTATIVE WILL DEFINE TREES TO BE PROTECTED PRIOR TO CONSTRUCTION.
5. TREES WHICH REQUIRE PRUNING MUST BE APPROVED BY DEPARTMENTAL REPRESENTATIVE.
6. SHRUBS WITHIN SPECIFIED WORK AREA SHALL BE CUT AS CLOSE TO THE EXISTING GROUND AS POSSIBLE.
7. RETAIN LOGS, STUMPS, LARGE ROCKS AND BRANCHES TO BE USED TO CREATE MICROSITES FOR THE RE-VEGETATION OF NON-REQUIRED TRAILS.
8. STRIP AND REMOVE ORGANIC SOIL TO MINERAL SOIL WITHIN THE SPECIFIED TREAD WIDTH.
9. THE PLANT MATERIAL AND ORGANIC SOILS SHALL BE EXCAVATED IN A SINGLE LIFT TO A MINIMUM THICKNESS OF 20 cm, OR AT THE DEPTH OF THE ROOTING ZONE AND DISTINCT COLOR/TEXTURAL CHANGE.
10. SALVAGED PLANT MATERIALS AND ORGANIC SOILS SHALL BE TRANSPORTED AND INSTALLED IN THE NEAREST DESIGNATED TRAIL TO BE RECLAIMED KEEPING THIS MATERIAL WITHIN ITS RESPECTIVE ZONE AS IDENTIFIED ABOVE.
11. STOCKPILE EXCESS STRIPPED ORGANIC SOIL AND VEGETATION AT LOCATIONS APPROVED BY DEPARTMENTAL REPRESENTATIVE FOR USE IN RESTORATION ACTIVITIES.
12. PROTECT STOCKPILED SOILS AND VEGETATION FROM WATER AND WIND EROSION.
13. STRIPPED SOILS MUST BE UTILIZED WITHIN ONE (1) WEEK OF REMOVAL.
14. BROADCAST AND INCORPORATE OWNER SUPPLIED NATIVE SEED MIX ON AREAS WHERE DISTURBANCE HAS OCCURRED WITHIN A TIMEFRAME IDENTIFIED BY DEPARTMENTAL REPRESENTATIVE.
15. IN AREAS WITH HIGH ARCHEOLOGICAL POTENTIAL, TOPSOIL AND/OR PLANT SALVAGE MATERIAL WITHIN THE DEFINED LOCATION WILL BE MONITORED BY A PROFESSIONAL. PARKS CANADA ARCHEOLOGIST. TWO WEEKS (10 BUSINESS DAYS) NOTICE SHOULD BE GIVEN TO PARKS TO ARRANGE FOR AN ARCHAEOLOGIST TO BE PRESENT DURING ANY EXCAVATION OR DISTURBANCE IN ARCHAEOLOGICAL SIGNIFICANT AREAS. WORK IS NOT TO PROCEED IN THESE AREAS UNTIL THE ARCHEOLOGIST IS ON SITE.



Client
**PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST**

WATERTON LAKES NATIONAL PARK

Client



REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A	A detail number	A
C	number du detail	B/C
	B source drawing no.	
	de dessin no.	
	C detail on drawing no.	
	detail sur dessin no.	

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title **PRINCE OF WALES AND LINNET LAKE ENVIRONMENTAL LANDSCAPE MANAGEMENT PLAN** titre du dessin

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA
scale	1:1750	echelle
project no.	2051C	proj. no.
date	JUNE 2019	date
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		OF 23

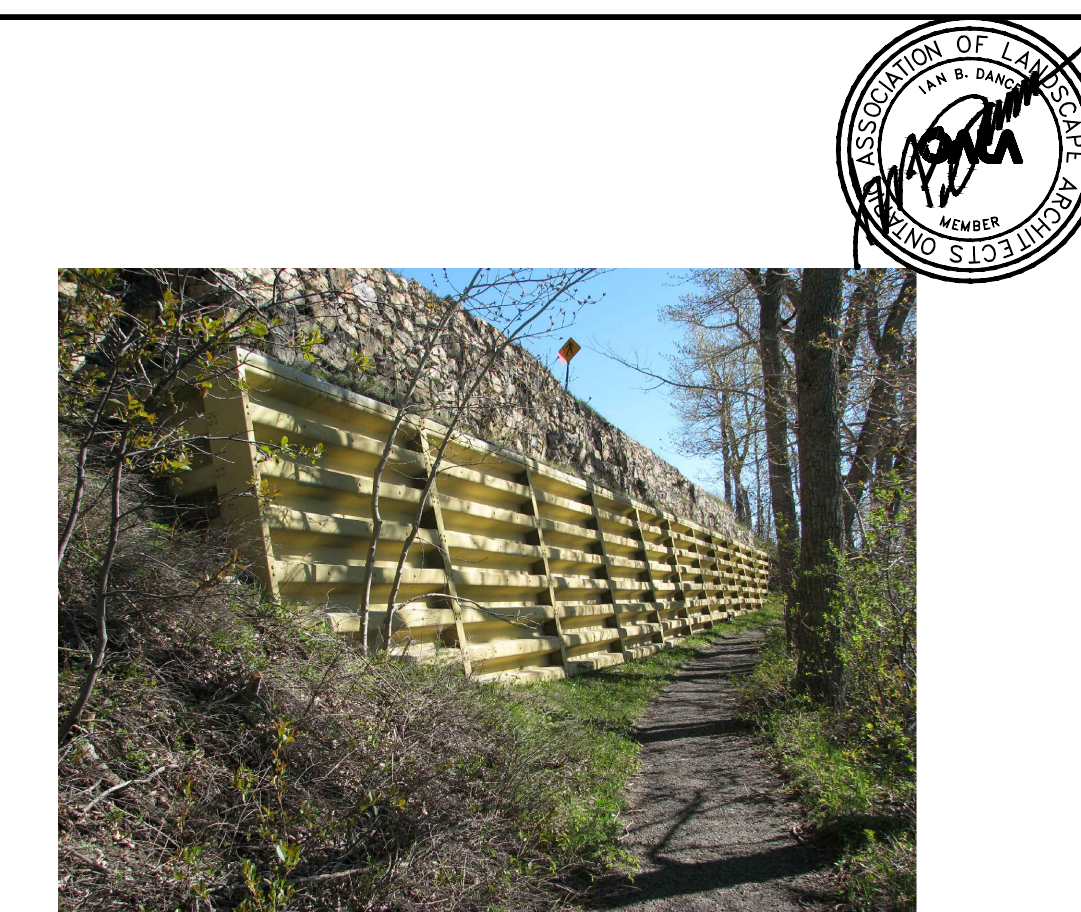
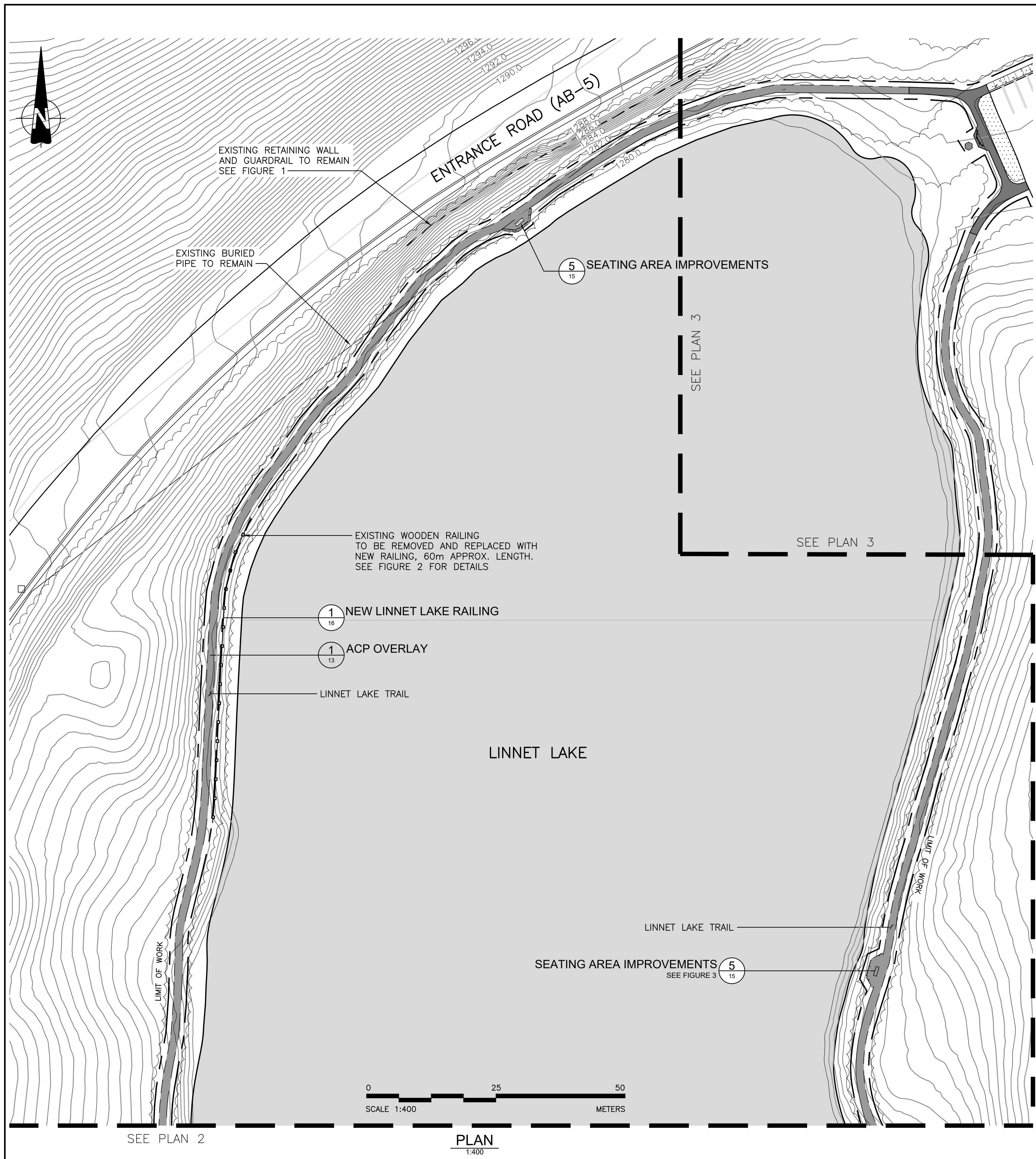


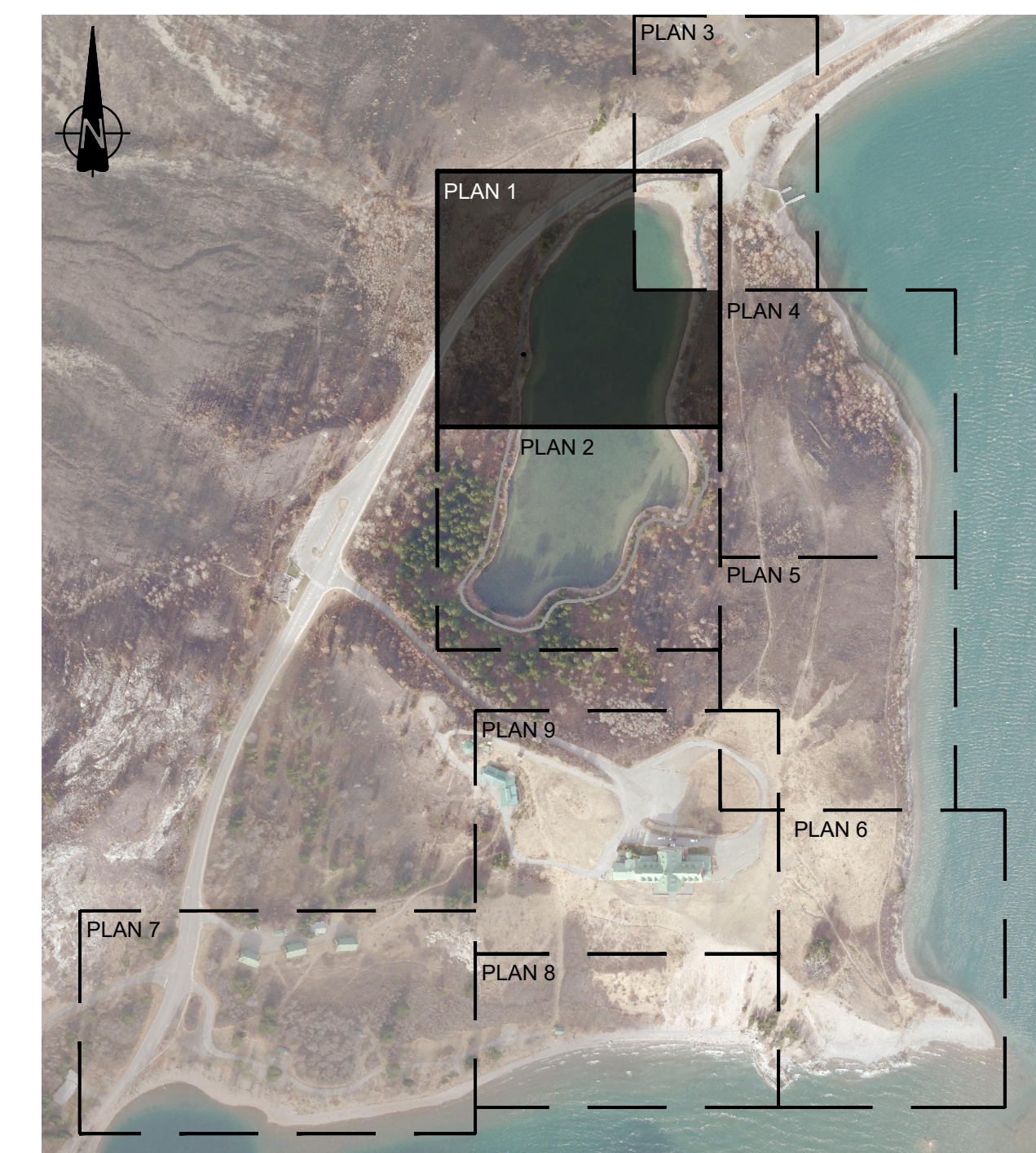
FIGURE 1: EXISTING RETAINING WALL



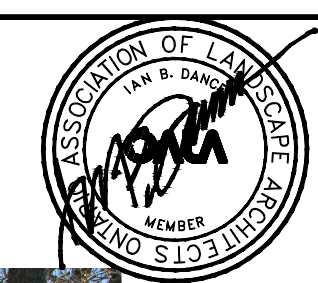
FIGURE 2: EXISTING WOODEN RAIL



FIGURE 3: EXISTING SEATING AREA



KEY MAP
NTS



- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
 - NEW TRAIL ALIGNMENT
 - NEW CROWNED TRAIL
 - NEW CONCRETE SIDEWALK
 - NEW EXPOSED AGGREGATE CONCRETE PAVING
 - ABANDONED TRAIL REHABILITATION
 - EXISTING BRAIDED TRAIL TO REMAIN
 - NEW DRAINAGE DEPRESSION
 - NEW ROCK WATERBAR
 - EXISTING TREE TO BE PROTECTED
 - EXISTING WOOD RAIL TO BE REPLACED
 - EXISTING GABION RETAINING WALL
 - NEW GABION RETAINING WALL
 - NEW TRAILHEAD SIGN
 - NEW WAY FINDING SIGN
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED

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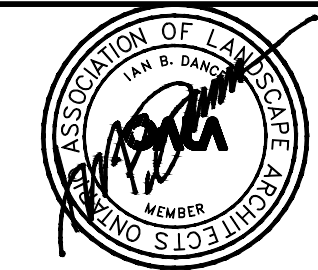
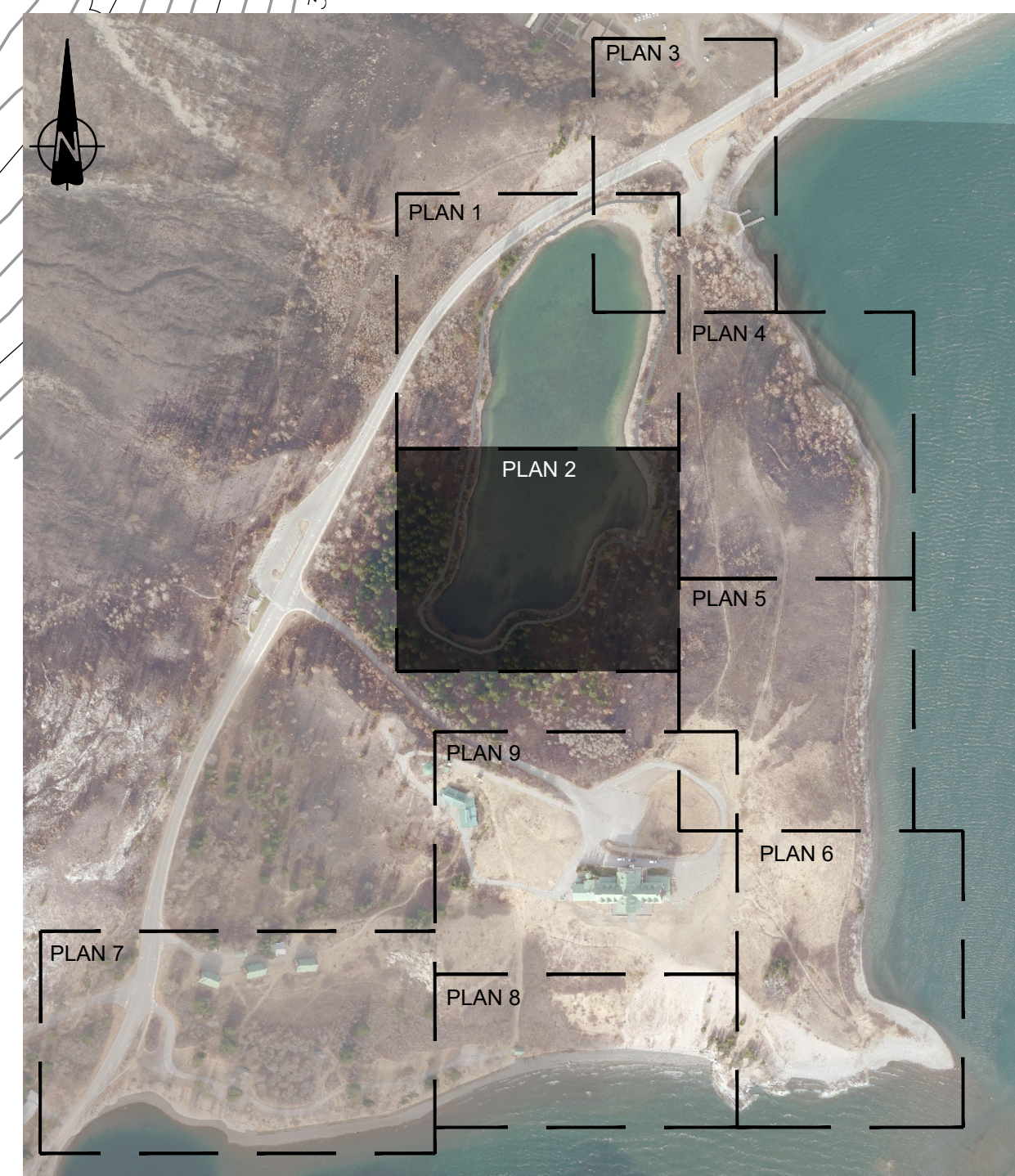
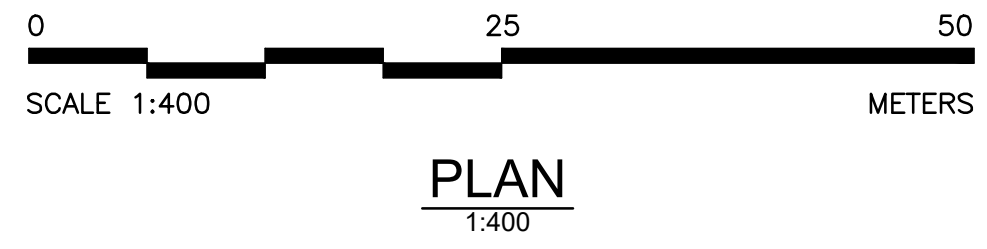
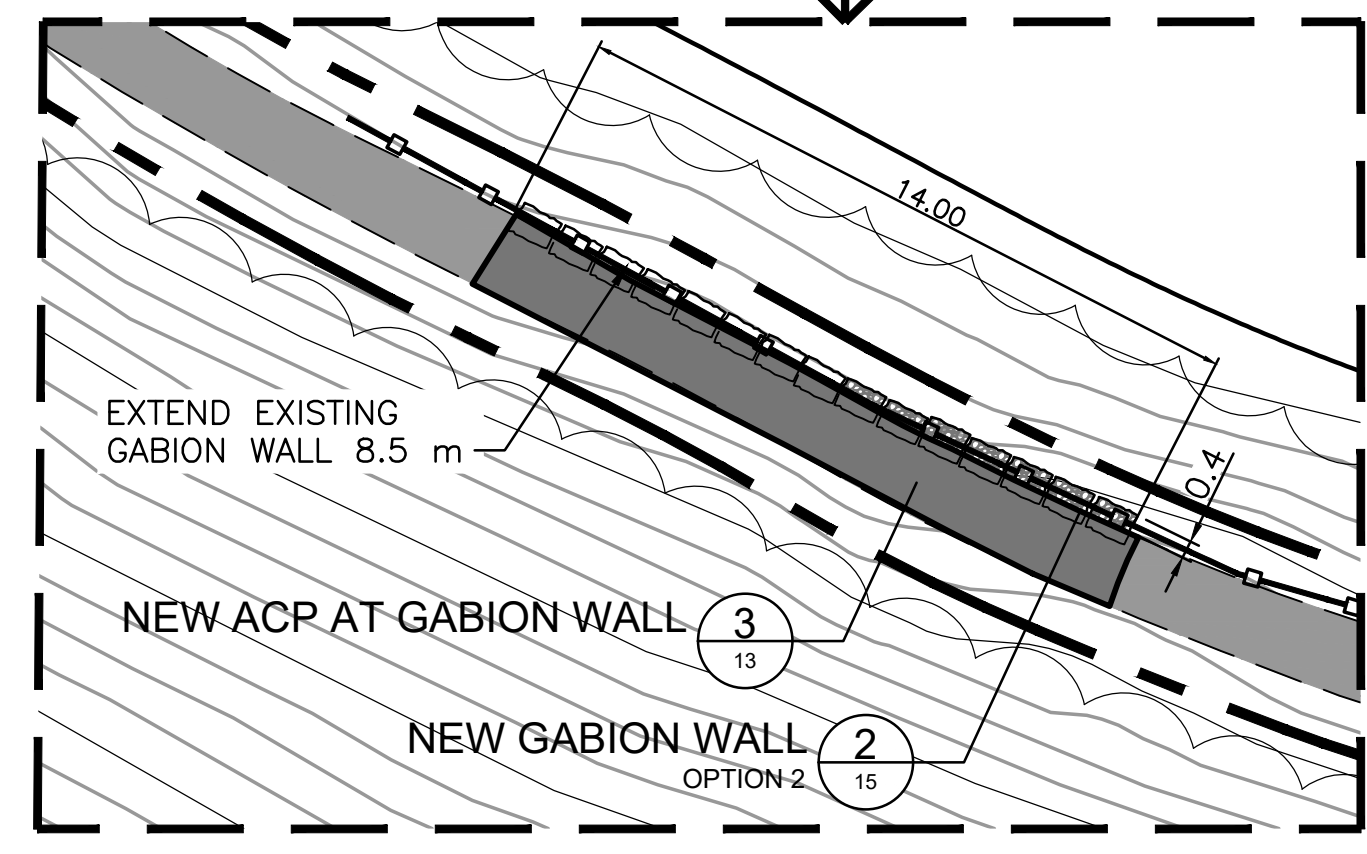
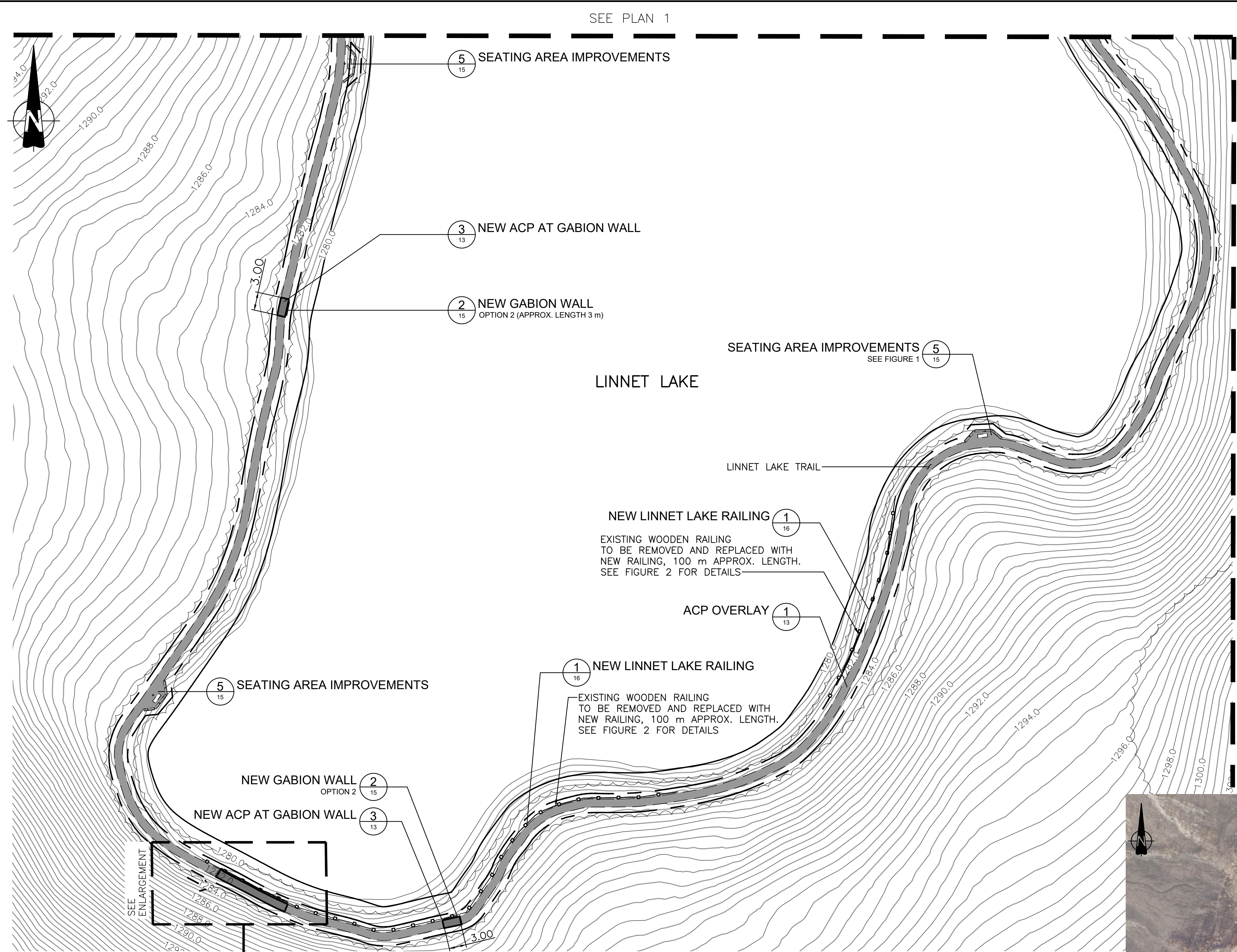
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B	B source drawing no. de dessin no.	B/C
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project title
PRINCE OF WALES TRAIL IMPROVEMENTS
 titre du projet

drawing title
PRINCE OF WALES AND LINNET LAKE
 titre du dessin

PLAN 1 OF 9

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date
sheet	4	feuille
	OF 23	



Client: **PARKS CANADA AGENCY**
PROJECT DELIVERY SERVICES WEST
WATERTON LAKES NATIONAL PARK

LEGEND

- LIMIT OF WORK
- ACP OVERLAY TRAIL
- NEW ACP TRAIL
- TYPICAL TRAIL IMPROVEMENT
- NEW TRAIL ALIGNMENT
- NEW CROWNED TRAIL
- NEW CONCRETE SIDEWALK
- NEW EXPOSED AGGREGATE CONCRETE PAVING
- ABANDONED TRAIL REHABILITATION
- EXISTING BRAIDED TRAIL TO REMAIN
- NEW DRAINAGE DEPRESSION
- NEW ROCK WATERBAR
- EXISTING TREE TO BE PROTECTED
- EXISTING WOOD RAIL TO BE REPLACED
- EXISTING GABION RETAINING WALL
- NEW GABION RETAINING WALL
- NEW TRAILHEAD SIGN
- NEW WAY FINDING SIGN
- EXISTING BOLLARD TO REMAIN
- EXISTING BOLLARD TO BE REMOVED

REVISIONS	DESCRIPTION	DATE
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project title: **PRINCE OF WALES TRAIL IMPROVEMENTS**
 titre du projet

drawing title: **PRINCE OF WALES AND LINNET LAKE**
 titre du dessin

PLAN 2 OF 9

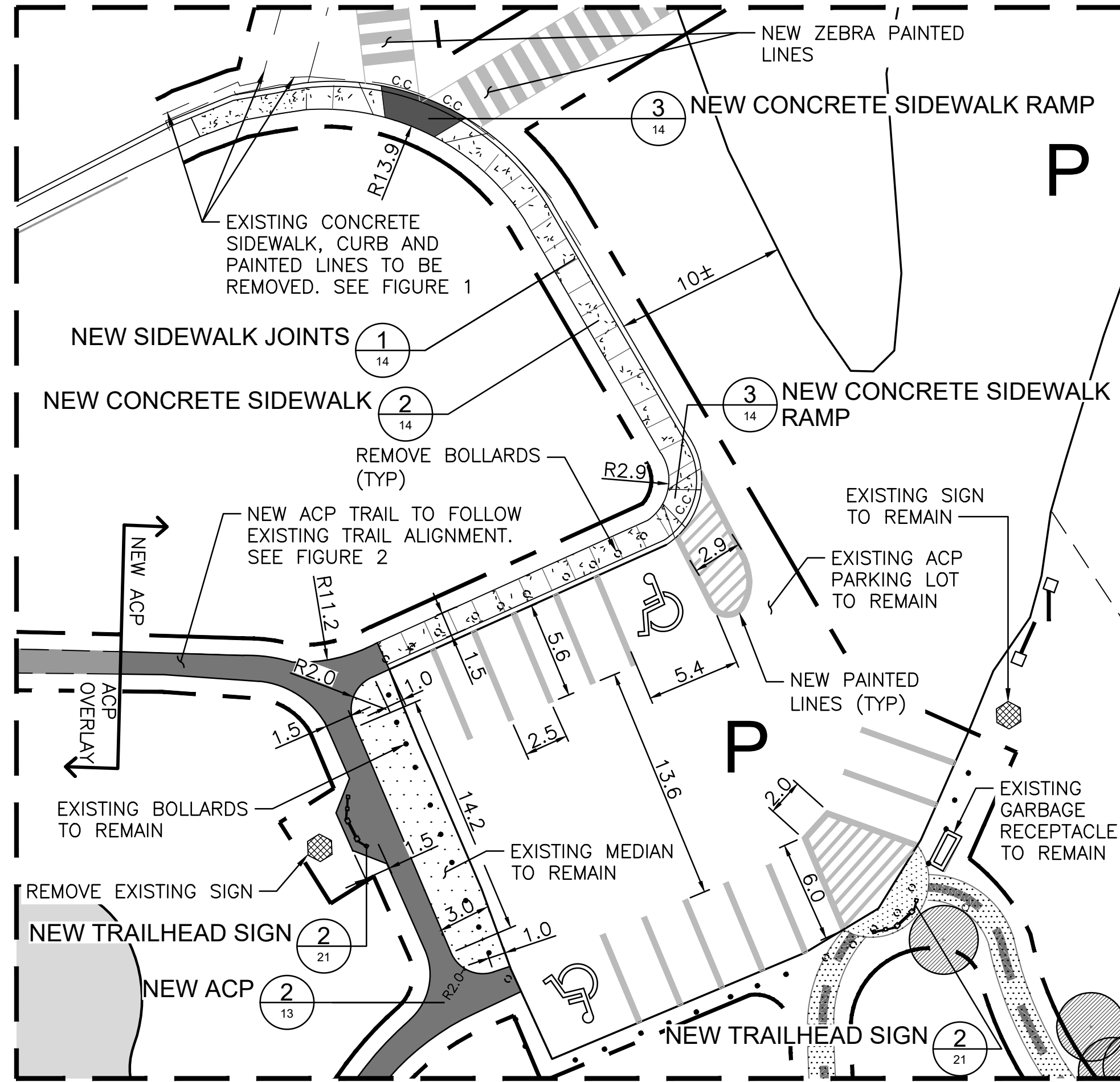
designed by	I. DANCE	conçu par
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sheet	5	feuille
	OF 23	



REMOVE AND DISPOSE NOTES:

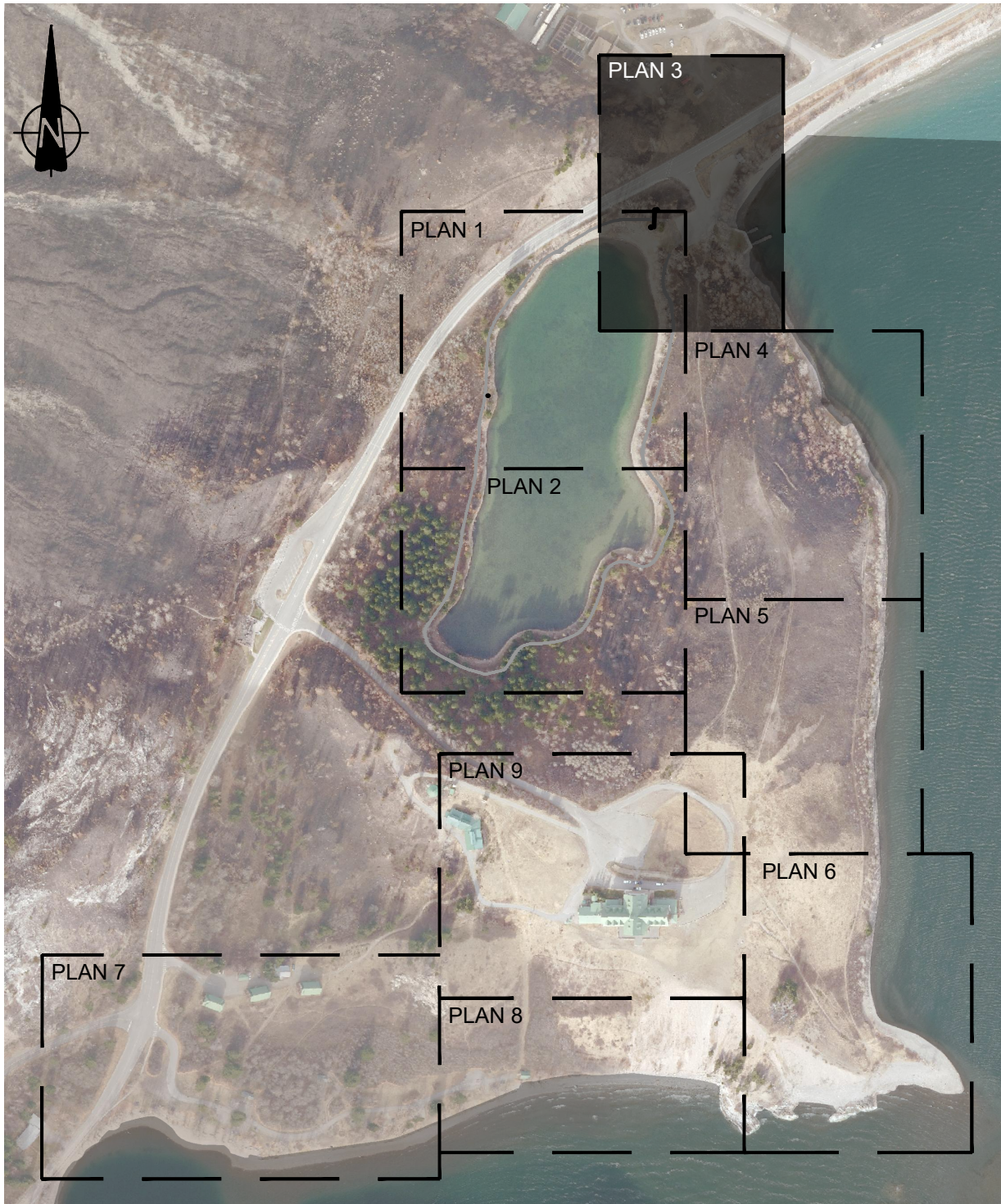
1. EXISTING SIDEWALK (APPROXIMATELY 5 m)
2. EXISTING CURB (APPROXIMATELY 30 m)
3. EXISTING PAINTED LINES

FIGURE 1 : LINNET LAKE PARKING



LINNET LAKE PARKING ENLARGEMENT

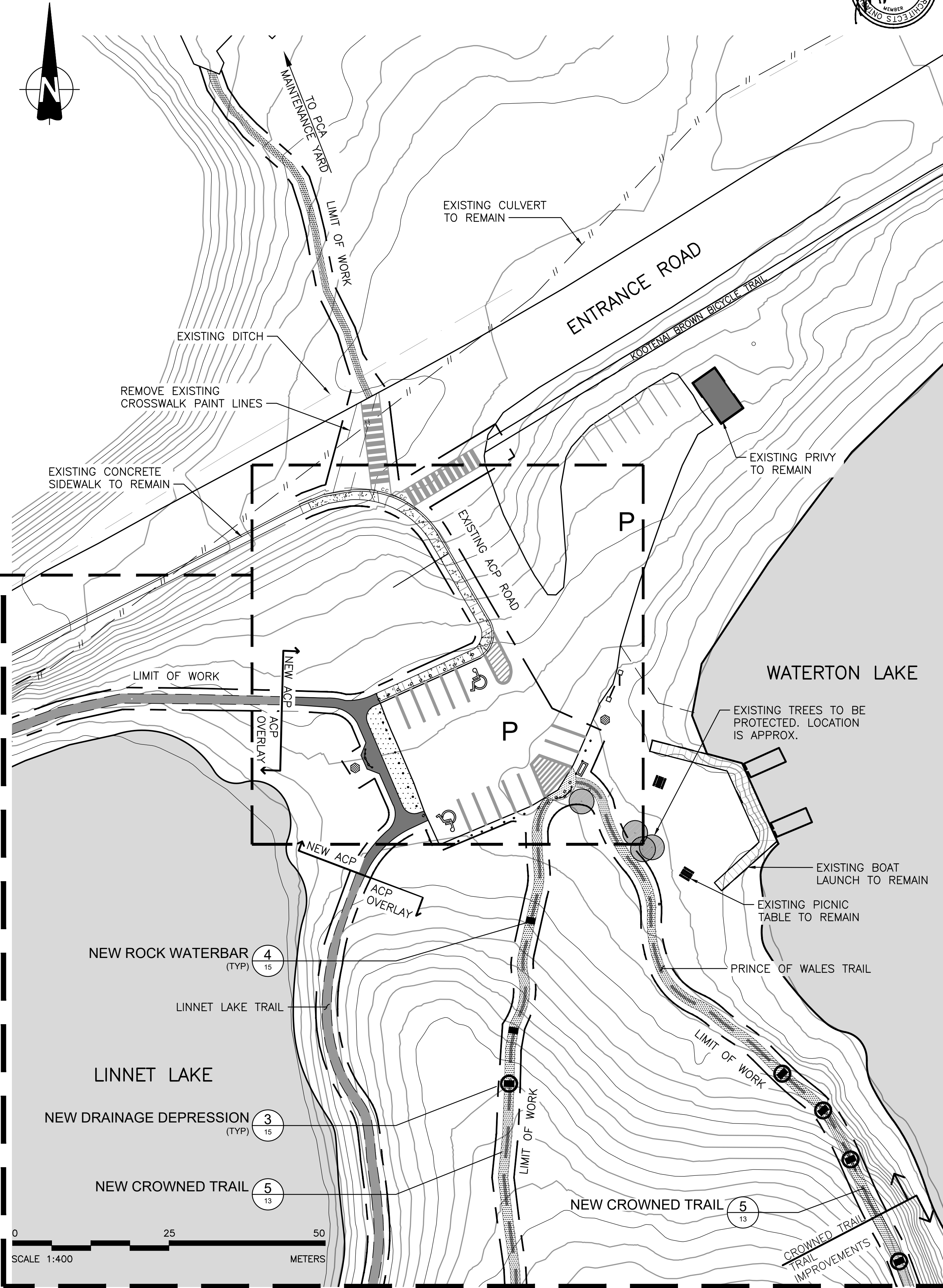
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KEY MAP
NTS

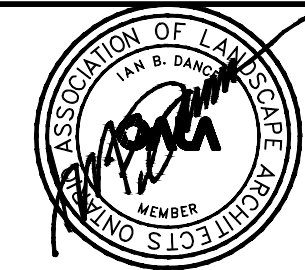


FIGURE 2 : LINNET LAKE PARKING



PLAN
1:400

SEE PLANS 1 AND 4



WATERTON LAKES NATIONAL PARK



LEGEND

- LIMIT OF WORK
- ACIP OVERLAY TRAIL
- NEW ACIP TRAIL
- TYPICAL TRAIL IMPROVEMENT
- NEW TRAIL ALIGNMENT
- NEW CROWNED TRAIL
- NEW CONCRETE SIDEWALK
- NEW EXPOSED AGGREGATE CONCRETE PAVING
- ABANDONED TRAIL REHABILITATION
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- NEW ROCK WATERBAR
- EXISTING TREE TO BE PROTECTED
- EXISTING WOOD RAIL TO BE REPLACED
- EXISTING GABION RETAINING WALL
- NEW GABION RETAINING WALL
- NEW TRAILHEAD SIGN
- NEW WAY FINDING SIGN
- EXISTING BOLLARD TO REMAIN
- EXISTING BOLLARD TO BE REMOVED
- cc CURB CUT

REVISIONS	DESCRIPTION	DATE
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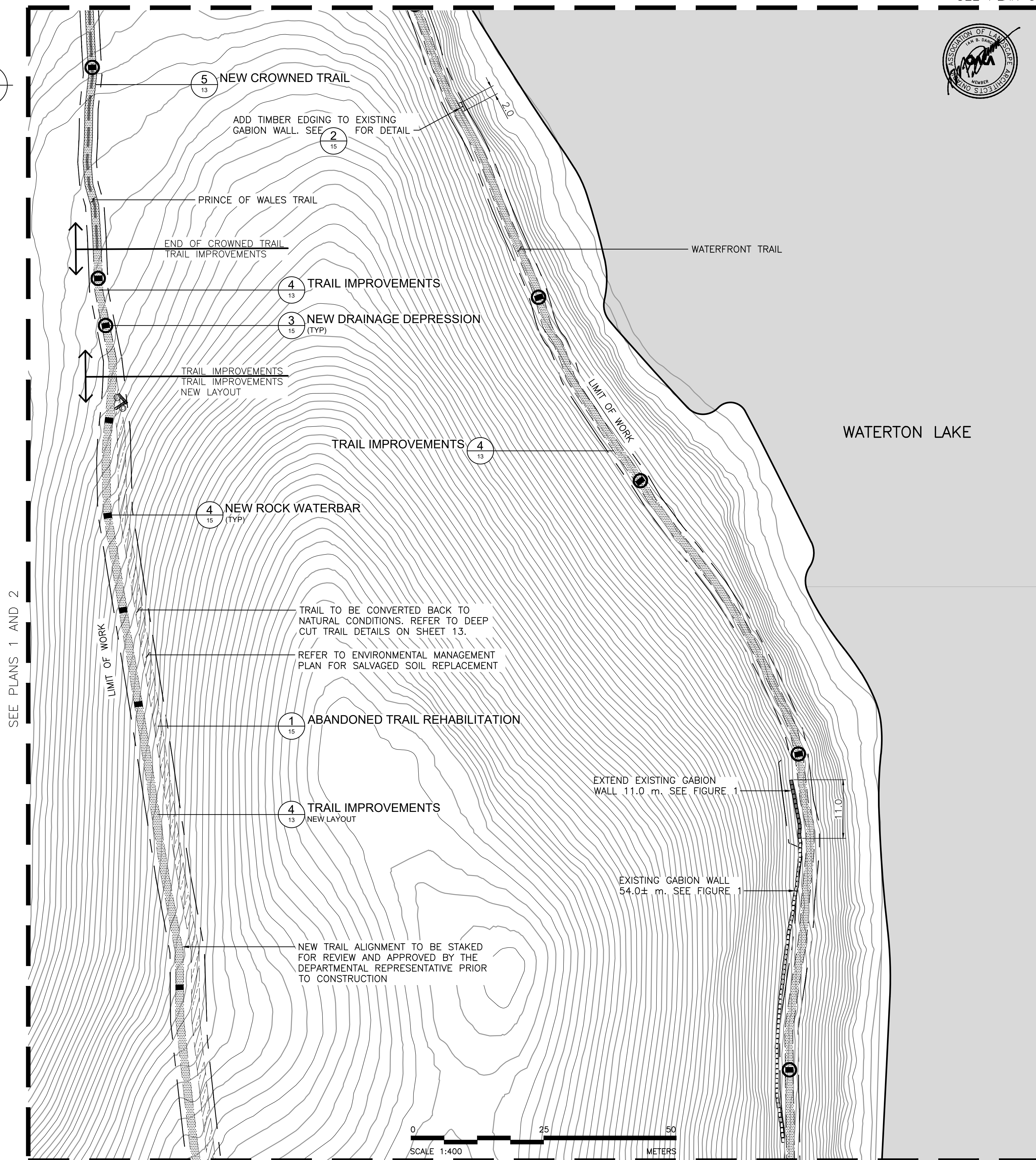
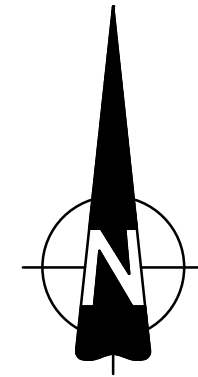
project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet
PRINCE OF WALES AND LINNET LAKE
 PLAN 3 OF 9

drawing title **PRINCE OF WALES AND LINNET LAKE** titre du dessin
PRINCE OF WALES AND LINNET LAKE
 PLAN 3 OF 9

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
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		sheet OF 23

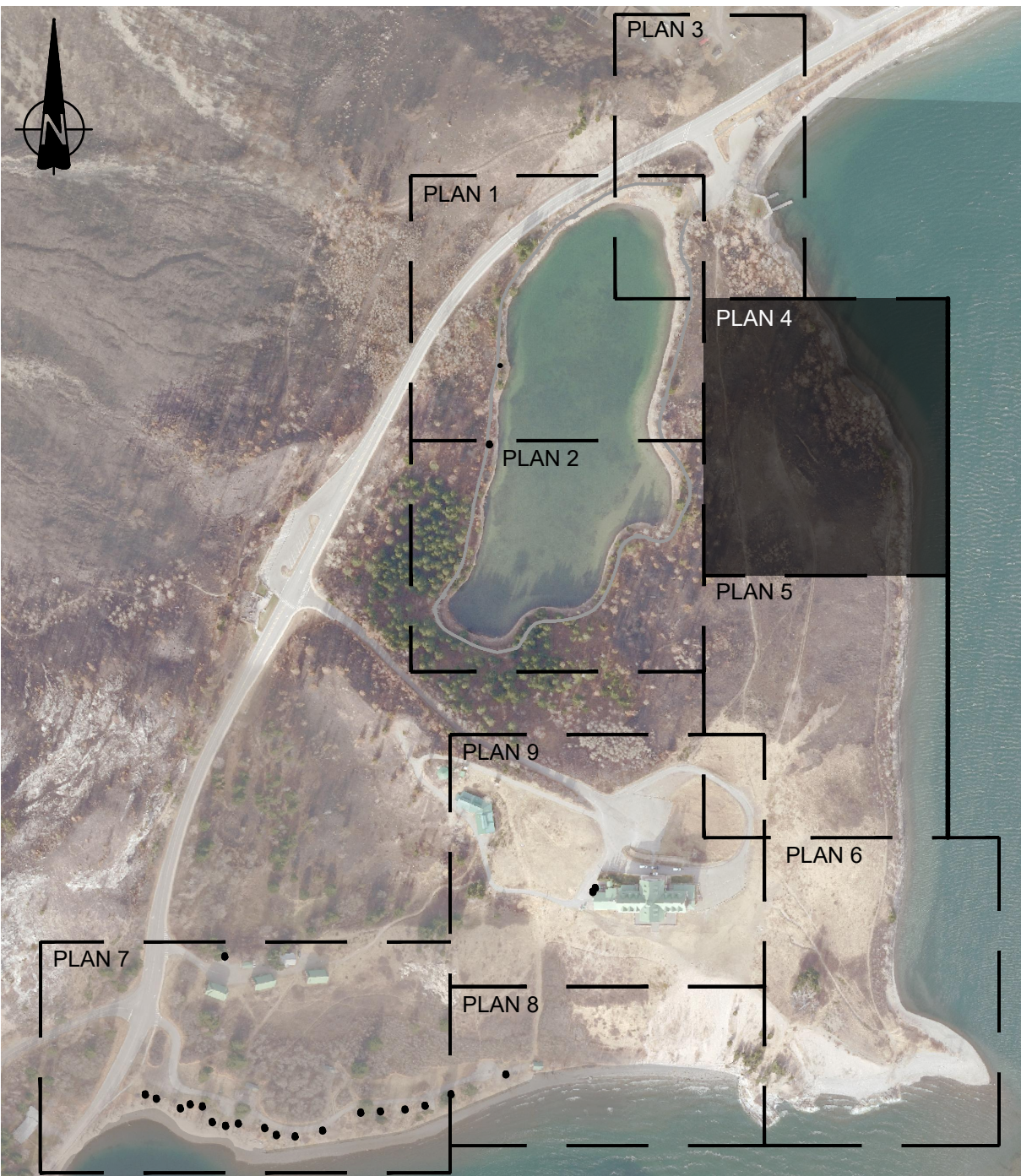


FIGURE 1: EXISTING GABION WALL




SEE PLANS 1 AND 2

SEE PLAN 5




KEY MAP
NTS



PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST

WATERTON LAKES NATIONAL PARK



DILLON
CONSULTING

LEGEND

- LIMIT OF WORK
- ▬ ACP OVERLAY TRAIL
- ▬ NEW ACP TRAIL
- ▬ TYPICAL TRAIL IMPROVEMENT
- ▬ NEW TRAIL ALIGNMENT
- ▬ NEW CROWNED TRAIL
- ▬ NEW CONCRETE SIDEWALK
- ▬ NEW EXPOSED AGGREGATE CONCRETE PAVING
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REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

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C	C							

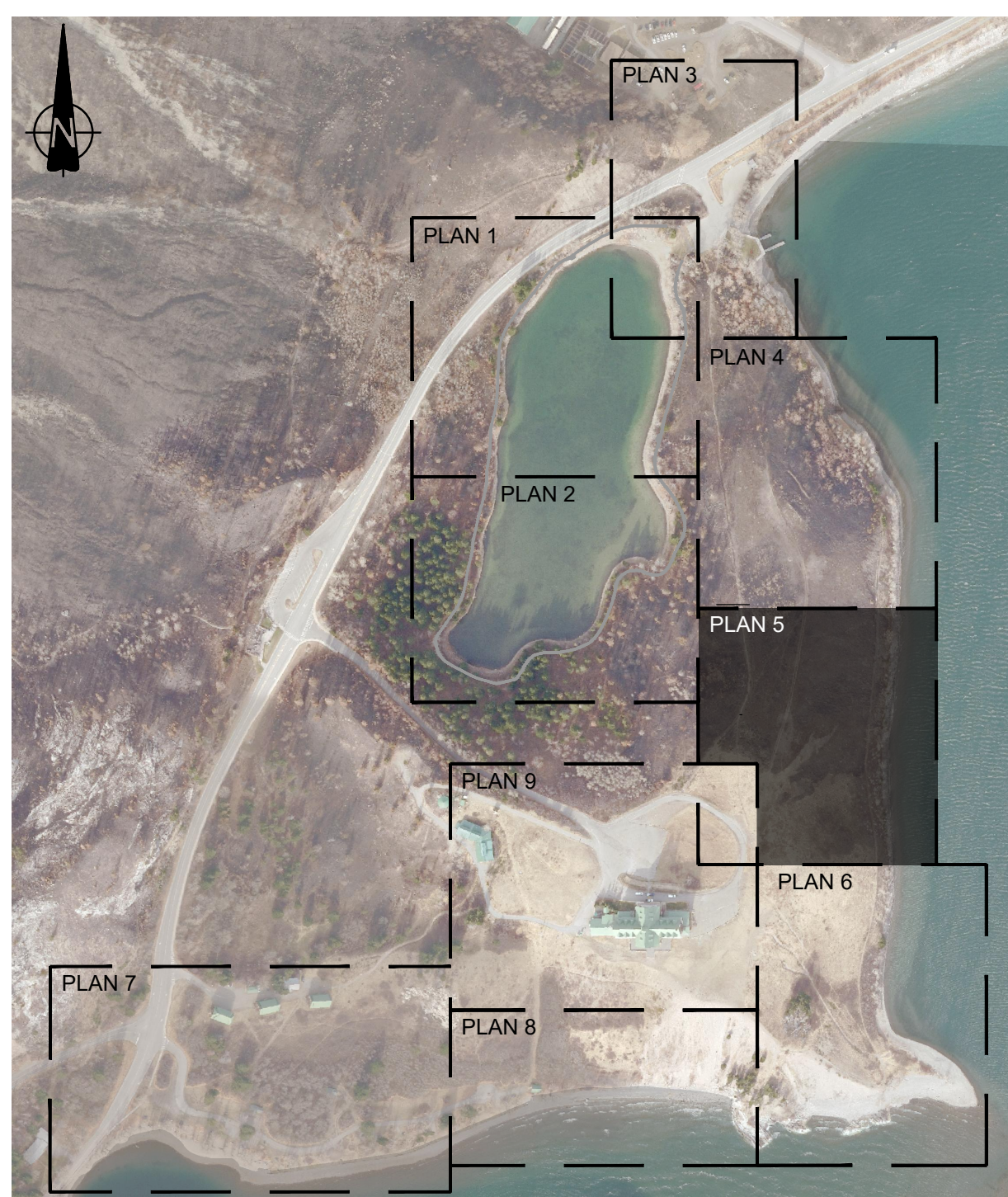
project title	titre du projet
PRINCE OF WALES TRAIL IMPROVEMENTS	
drawing title	titre du dessin
PRINCE OF WALES AND LINNET LAKE	
PLAN 4 OF 9	

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA

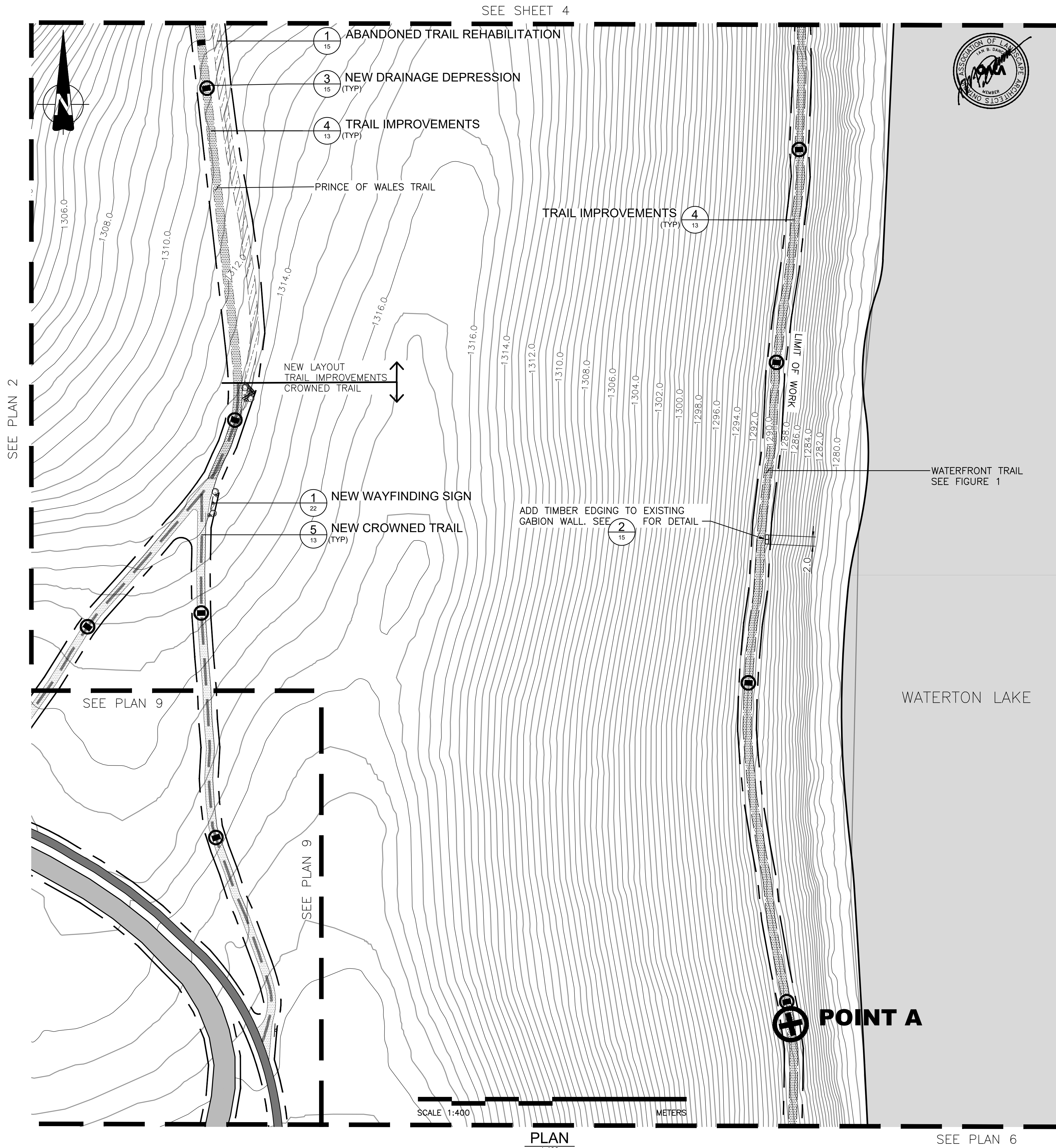
scale	AS SHOWN	echelle	sheet	feuille
project no.	2051C	proj. no.	7	OF 23
date	JUNE 2019	date	OF	23



FIGURE 1: EXISTING WATERFRONT TRAIL



KEY MAP
NTS



- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
 - NEW TRAIL ALIGNMENT
 - NEW CROWNED TRAIL
 - NEW CONCRETE SIDEWALK
 - NEW EXPOSED AGGREGATE CONCRETE PAVING
 - ABANDONED TRAIL REHABILITATION
 - EXISTING BRAIDED TRAIL TO REMAIN
 - NEW DRAINAGE DEPRESSION
 - NEW ROCK WATERBAR
 - EXISTING TREE TO BE PROTECTED
 - EXISTING WOOD RAIL TO BE REPLACED
 - EXISTING GABION RETAINING WALL
 - NEW GABION RETAINING WALL
 - NEW TRAILHEAD SIGN
 - NEW WAY FINDING SIGN
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED

REVISIONS	DESCRIPTION	DATE
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A	A detail number number du detail	A
B	B source drawing no. de dessin no.	B/C
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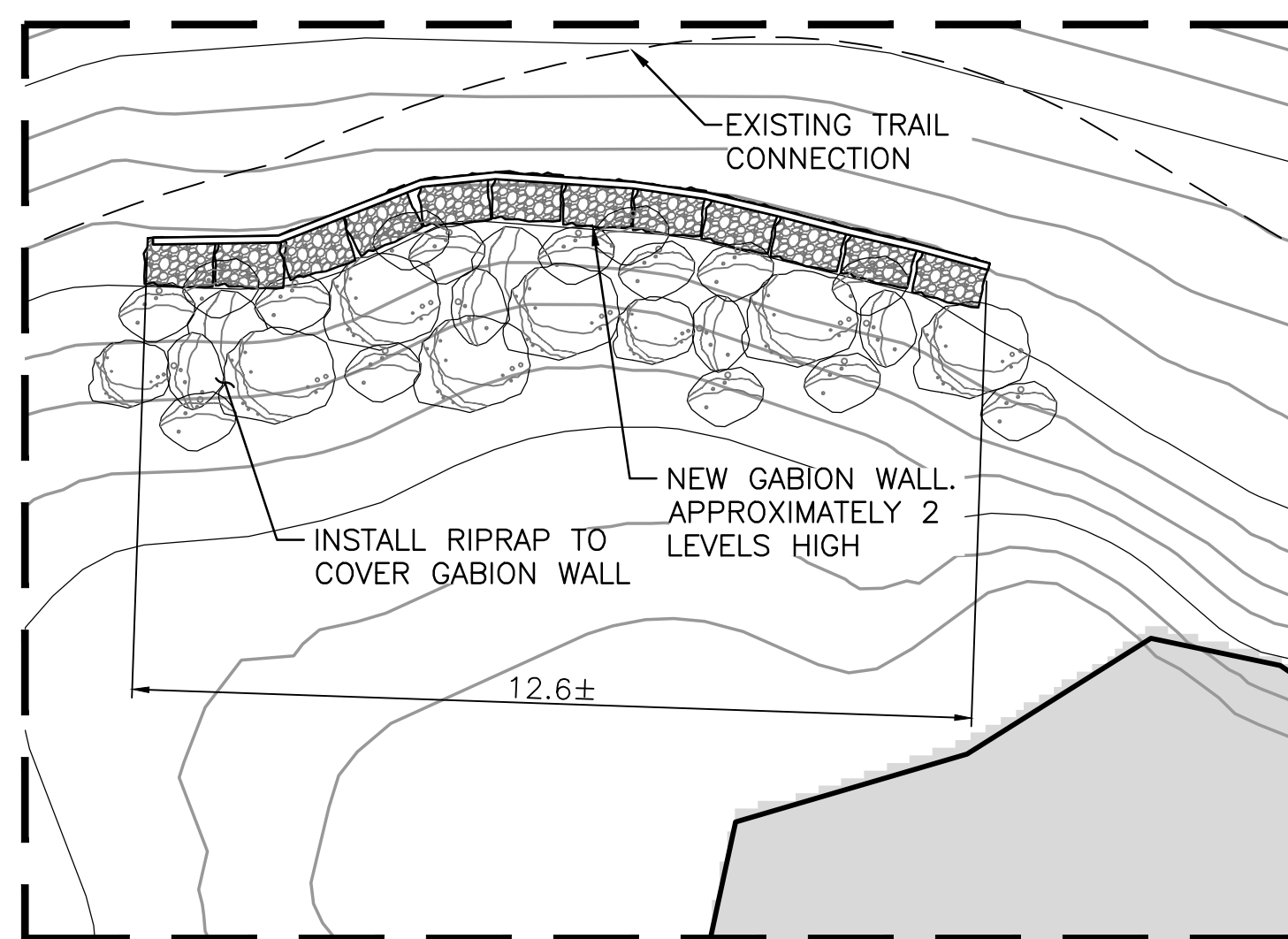
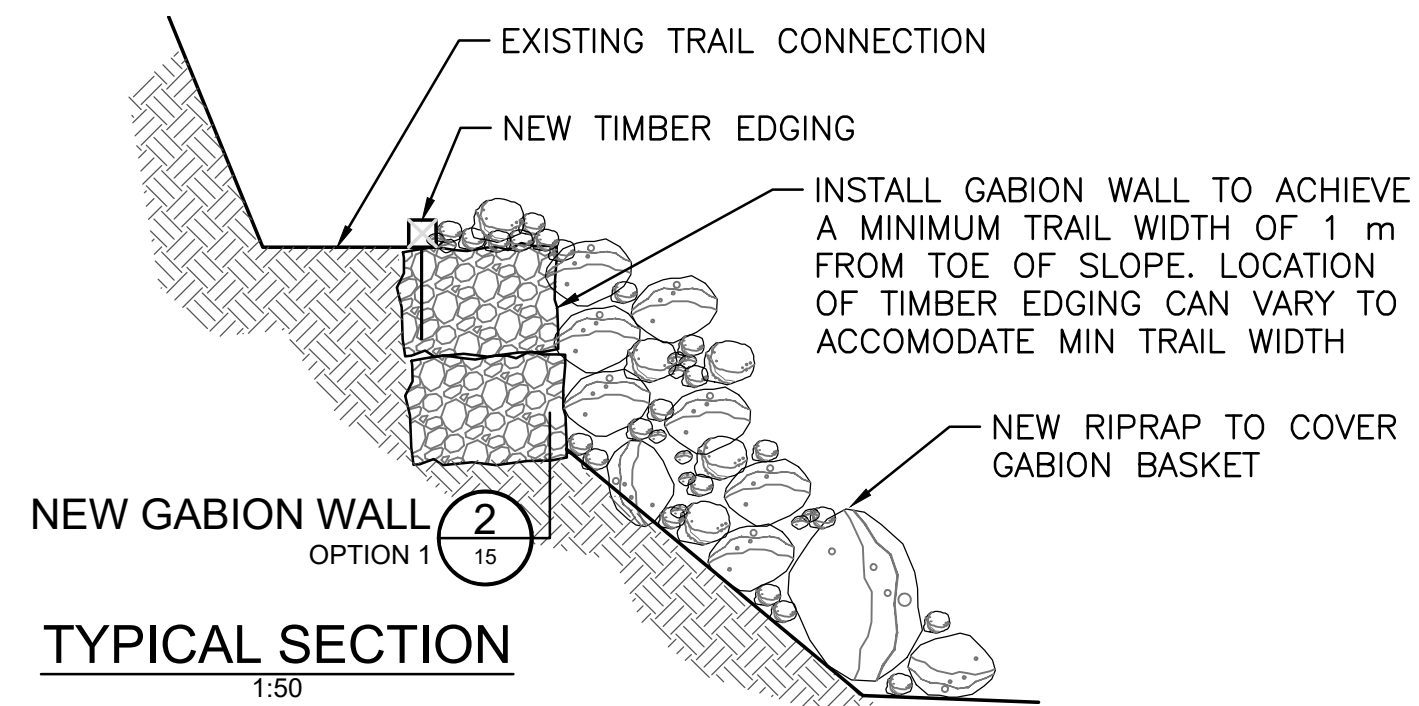
project title: **PRINCE OF WALES TRAIL IMPROVEMENTS**

drawing title: **PRINCE OF WALES AND LINNET LAKE PLAN 5 OF 9**

designed by: I. DANCE
 drawn by: S. NEZAFATI / E. BABALIS
 approved by: H. TROFANENKO
 PCA Project Manager: C. MARIOTTI
 scale: AS SHOWN
 project no.: 2051C
 date: JUNE 2019
 sheet: 8 OF 23



FIGURE 1: WASHOUT AREA EXISTING CONDITION



KEY MAP
NTS

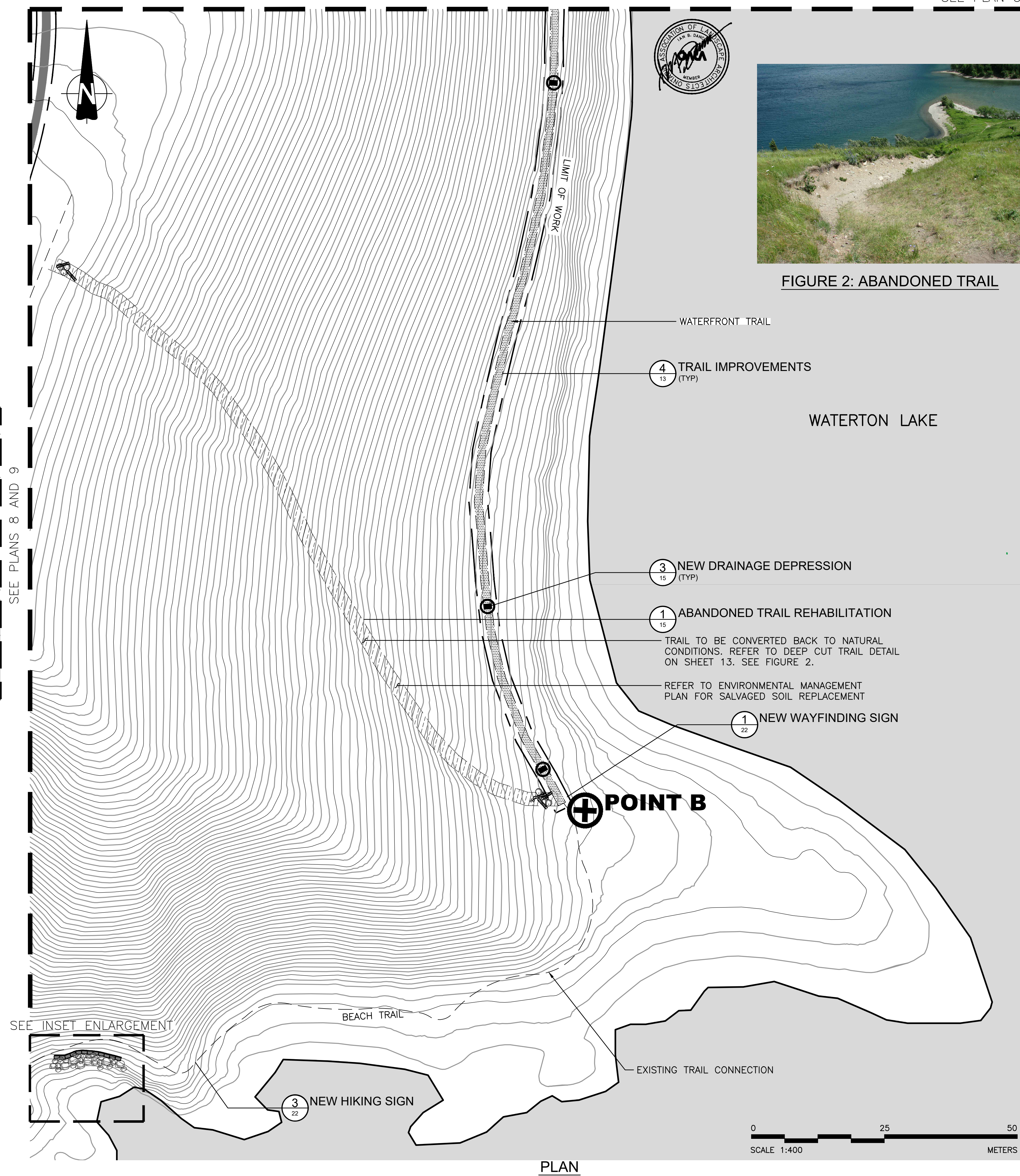


FIGURE 2: ABANDONED TRAIL

Client
PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST
WATERTON LAKES NATIONAL PARK



- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
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 - NEW CROWNED TRAIL
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 - ⊕ EXISTING GABION RETAINING WALL
 - ⊕ NEW GABION RETAINING WALL
 - ⊕ NEW TRAILHEAD SIGN
 - ⊕ NEW WAY FINDING SIGN
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED

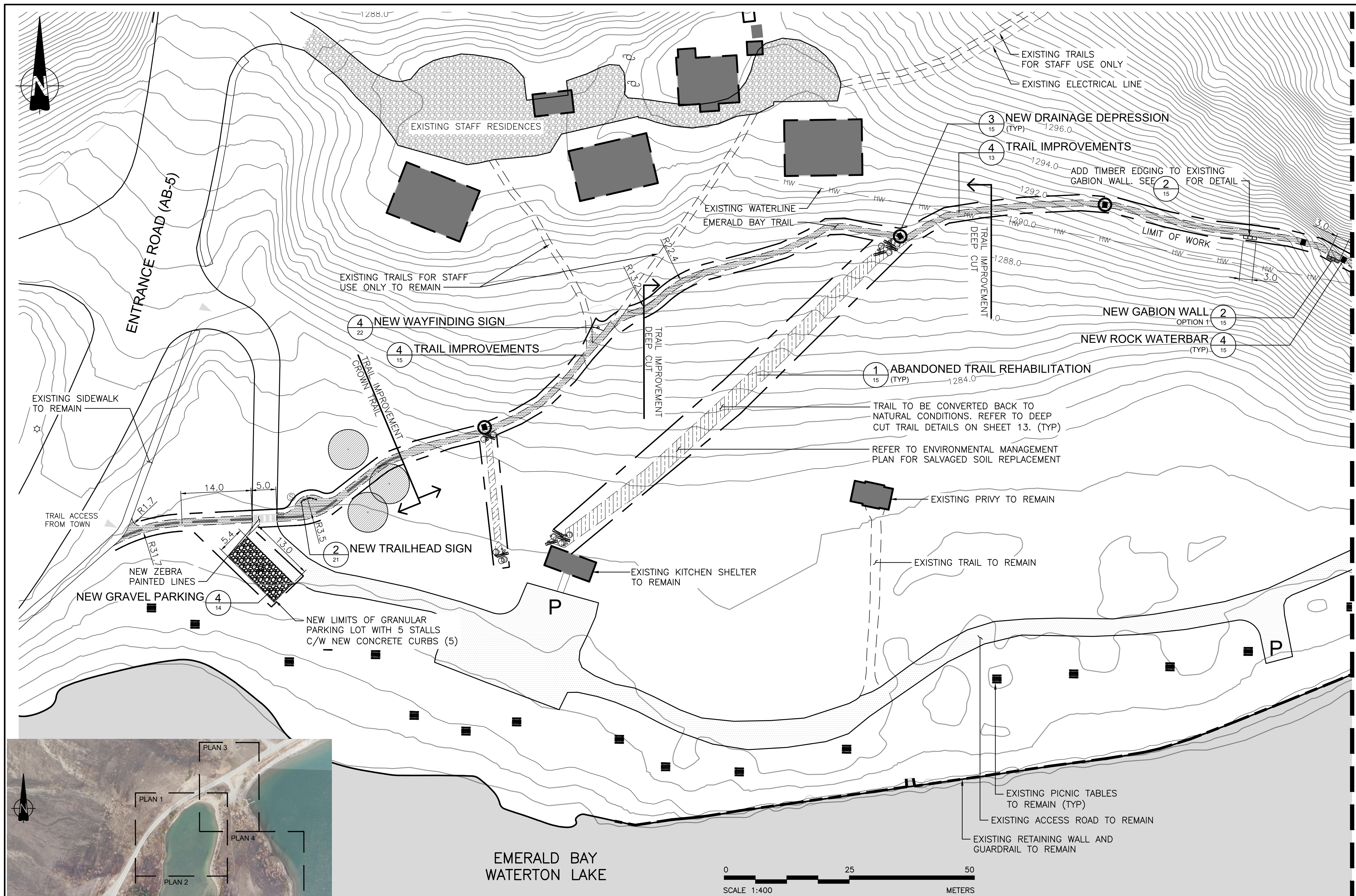
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0	ISSUED FOR TENDER	2020.04.27

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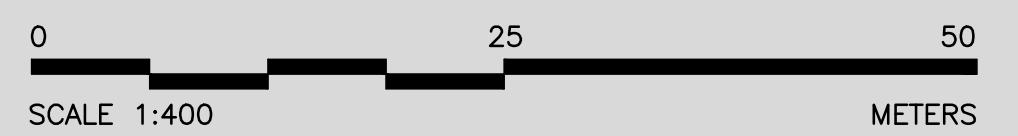
project title / titre du projet
PRINCE OF WALES TRAIL IMPROVEMENTS

drawing title / titre du dessin
PRINCE OF WALES AND LINNET LAKE
PLAN 6 OF 9

designed by / conçu par	I. DANCE	sheet / feuille	9
drawn by / dessiné par	S. NEZAFATI / E. BABALIS	project no. / projet no.	2051C
approved by / approuvé par	H. TROFANENKO	date / date	JUNE 2019
PCA Project Manager / Administrateur de Projets PCA	C. MARIOTTI	OF	23



KEY MAP
NTS



PLAN
1:400



LEGEND

- LIMIT OF WORK
- ▨ ACP OVERLAY TRAIL
- ▩ NEW ACP TRAIL
- ▨ TYPICAL TRAIL IMPROVEMENT
- ▨ NEW TRAIL ALIGNMENT
- ▨ NEW CROWNED TRAIL
- ▨ NEW CONCRETE SIDEWALK
- ▨ NEW EXPOSED AGGREGATE CONCRETE PAVING
- ▨ ABANDONED TRAIL REHABILITATION
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- EXISTING TREE TO BE PROTECTED
- ⊕ EXISTING WOOD RAIL TO BE REPLACED
- ▨ EXISTING GABION RETAINING WALL
- ▨ NEW GABION RETAINING WALL
- ⊙ NEW TRAILHEAD SIGN
- ▲ NEW WAY FINDING SIGN
- EXISTING BOLLARD TO REMAIN
- EXISTING BOLLARD TO BE REMOVED

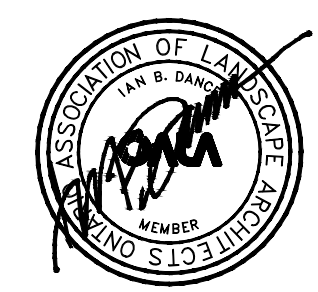
REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

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B	B source drawing no. de dessin no.	B/C
C	C detail on drawing no. detail sur dessin no.	

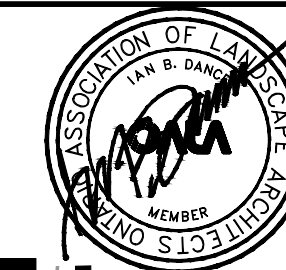
project title: **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title: **PRINCE OF WALES AND LINNET LAKE PLAN 7 OF 9** titre du dessin

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date
		sheet
		fauille
		10
		OF 23



SEE PLANS 8 AND 9

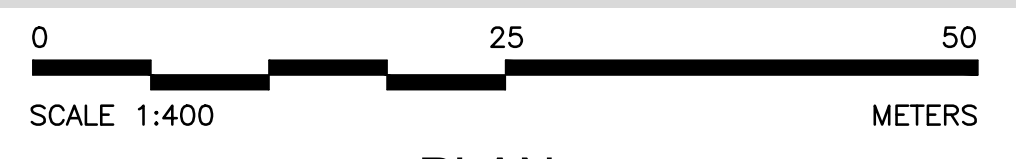
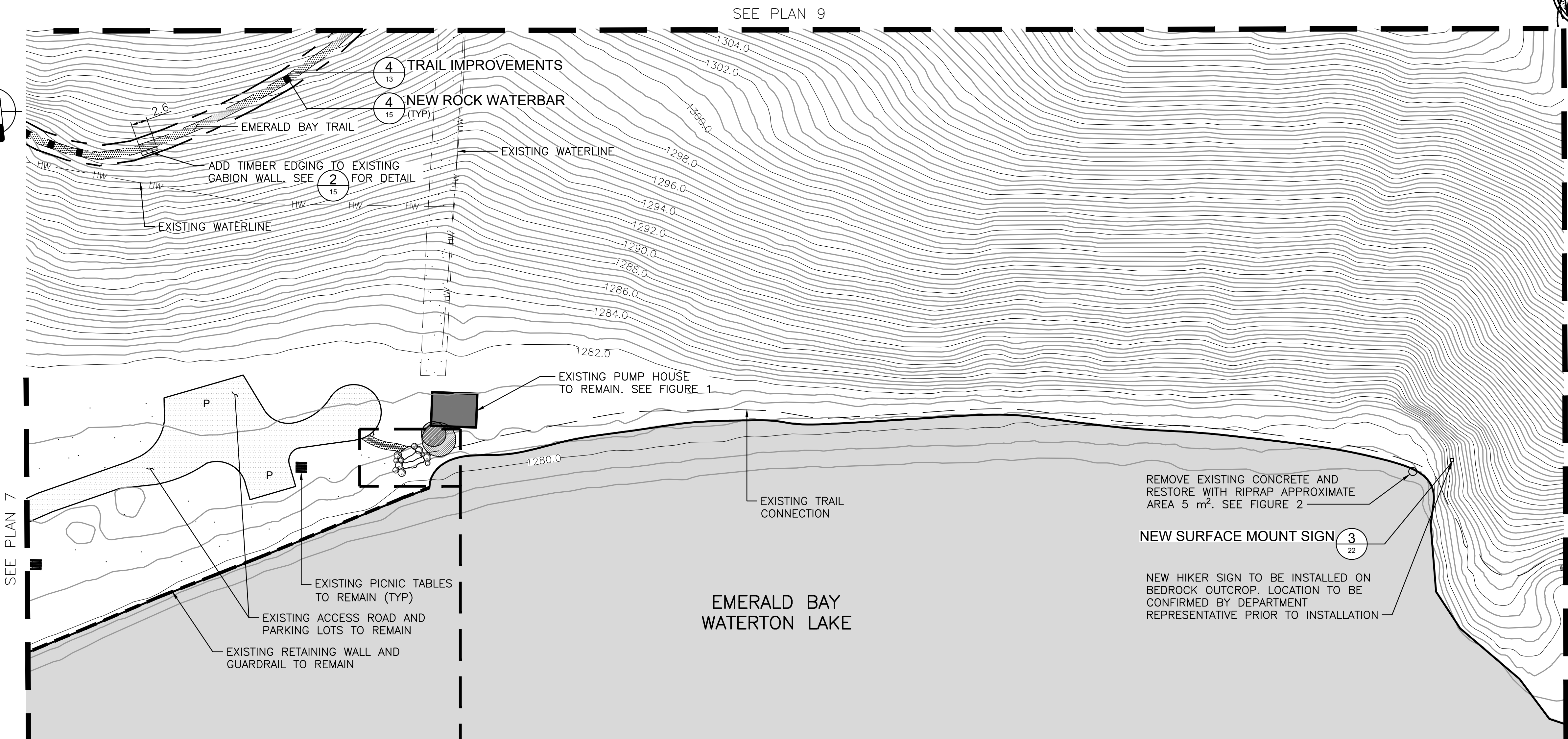
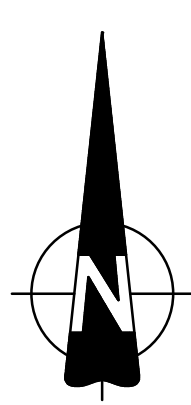


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PROJECT DELIVERY SERVICES WEST

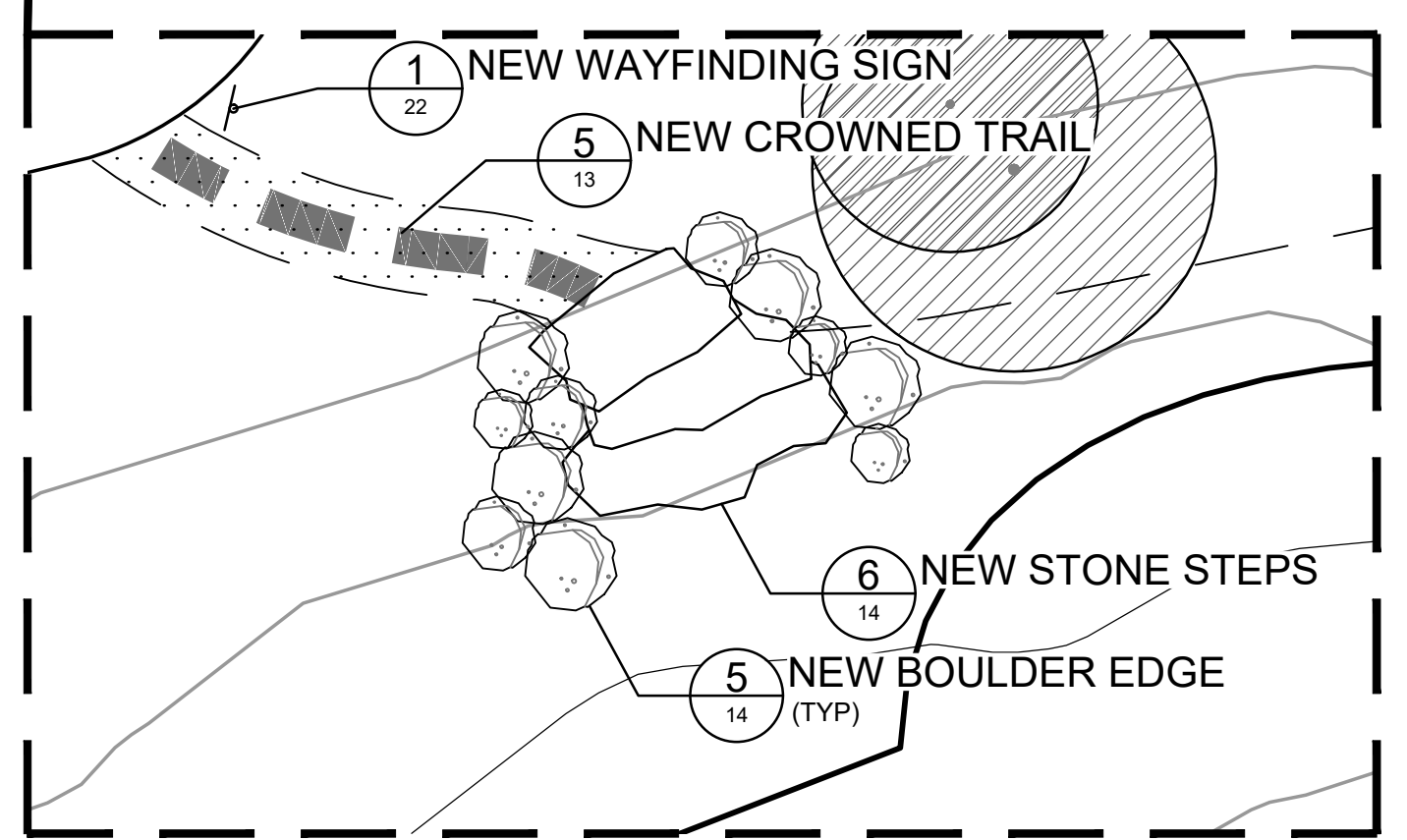
WATERTON LAKES NATIONAL PARK



- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
 - NEW TRAIL ALIGNMENT
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 - ⊕ NEW GABION RETAINING WALL
 - ⊕ NEW TRAILHEAD SIGN
 - ⊕ NEW WAY FINDING SIGN
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED



PLAN
1:400



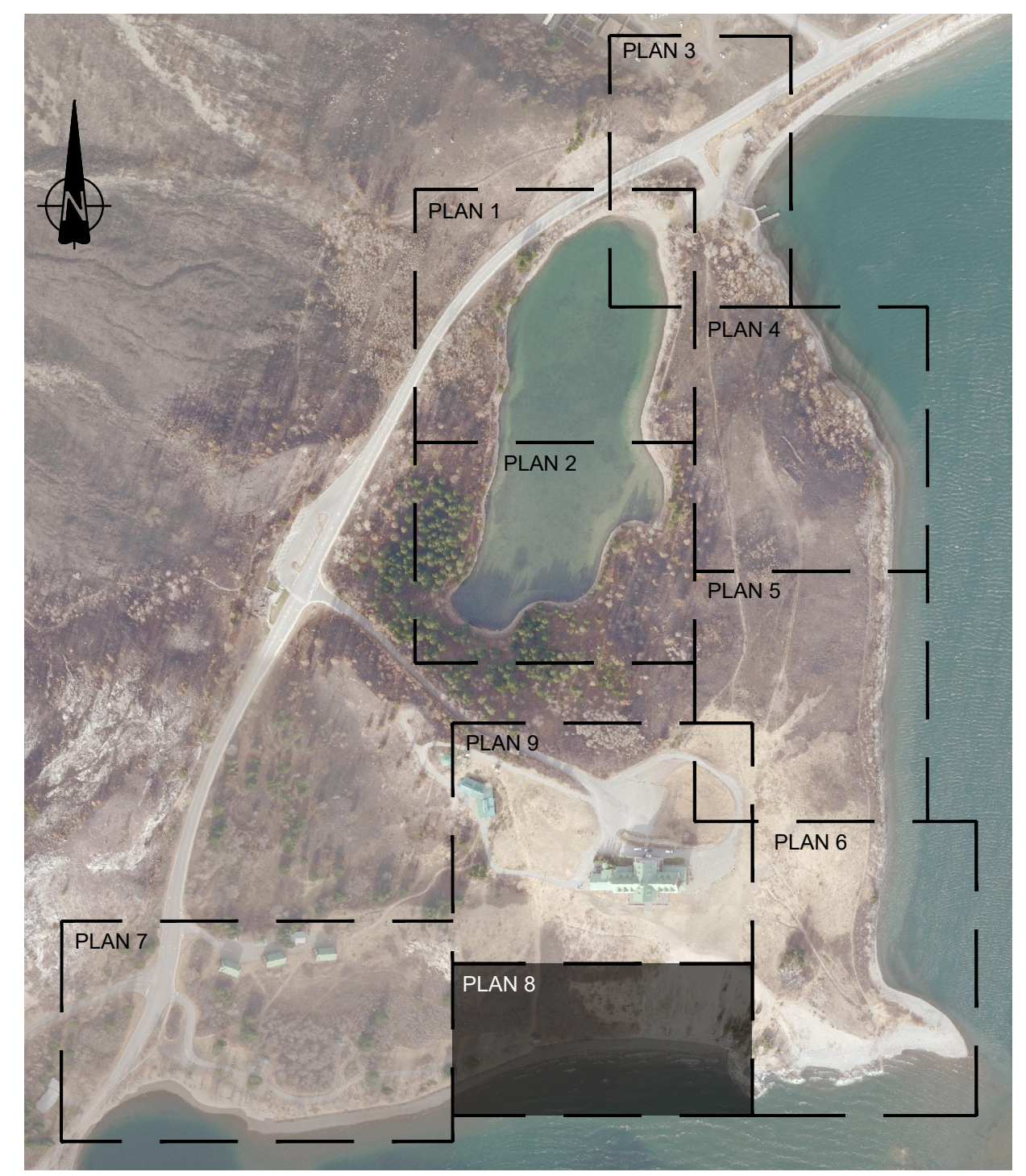
ENLARGEMENT
1:100



FIGURE 1: EXISTING PUMP HOUSE



FIGURE 2: EXISTING CONDITION



KEY MAP
NTS

REVISIONS	DESCRIPTION	DATE
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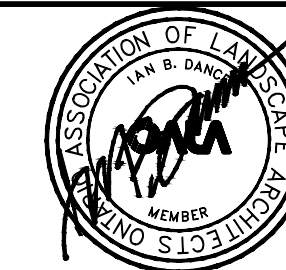
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project title: **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title: **PRINCE OF WALES AND LINNET LAKE PLAN 8 OF 9** titre du dessin

designed by: **IDANCE** conçu par
 drawn by: **S.NEZAFATI / E.BABALIS** dessiné par
 approved by: **H.TROFANENKO** approuvé par
 PCA Project Manager: **C.MARIOTTI** Administrateur de Projets PCA

scale: **AS SHOWN** échelle
 project no.: **2051C** projet no.
 date: **JUNE 2019** date



Client
**PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST**

WATERTON LAKES NATIONAL PARK



- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
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 - ⊞ NEW TRAILHEAD SIGN
 - ⊞ NEW WAY FINDING SIGN
 - EXISTING BOLLARD TO REMAIN
 - EXISTING BOLLARD TO BE REMOVED
 - CC CURB CUT

REVISIONS	DESCRIPTION	DATE
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A	A detail number number du detail	A
B	B source drawing no. de dessin no.	B/C
C	C detail on drawing no. detail sur dessin no.	

project title
PRINCE OF WALES TRAIL IMPROVEMENTS

drawing title
**PRINCE OF WALES AND LINNET LAKE
PLAN 9 OF 9**

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets PCA
scale	AS SHOWN	échelle
project no.	2051C	proj. no.
date	JUNE 2019	date
sheet	12	feuille
	OF 23	

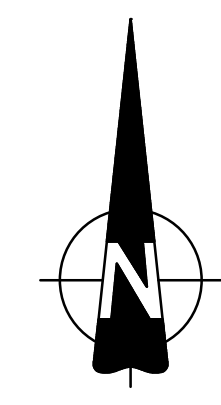


FIGURE 1: HOTEL ENTRANCE UNIT PAVING

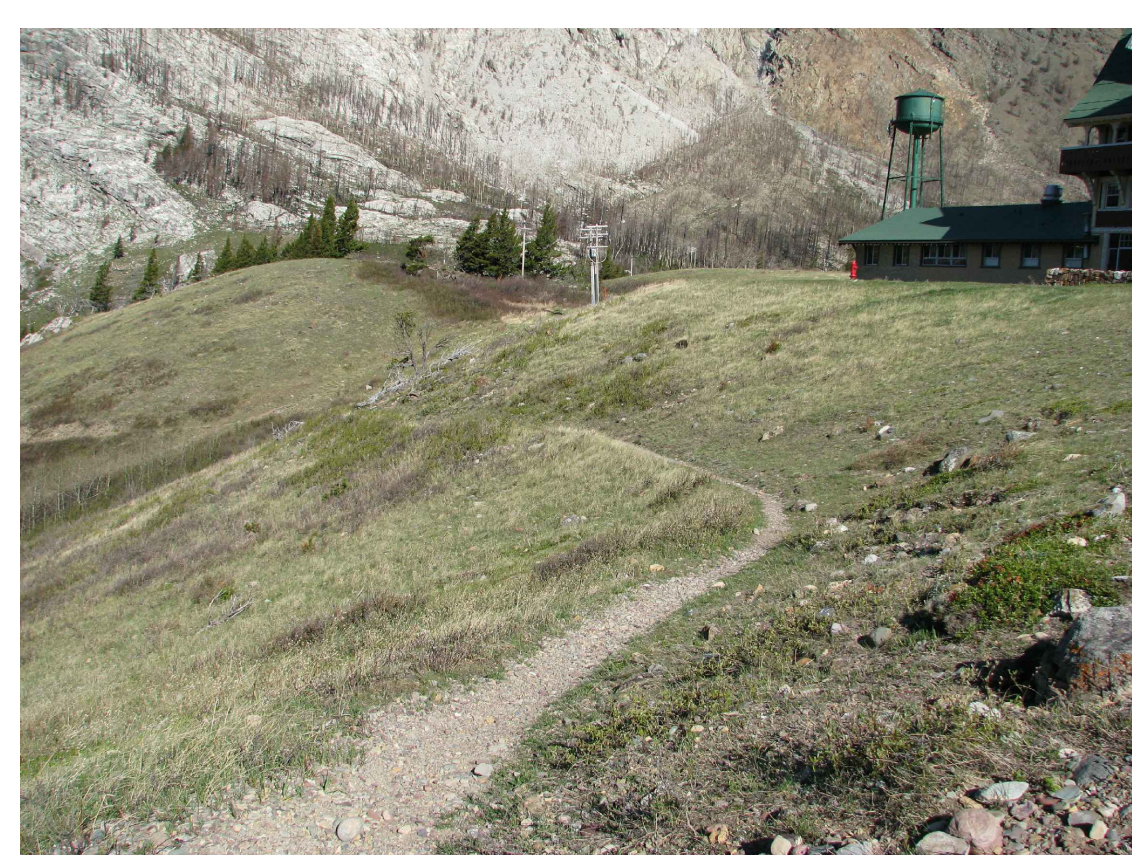
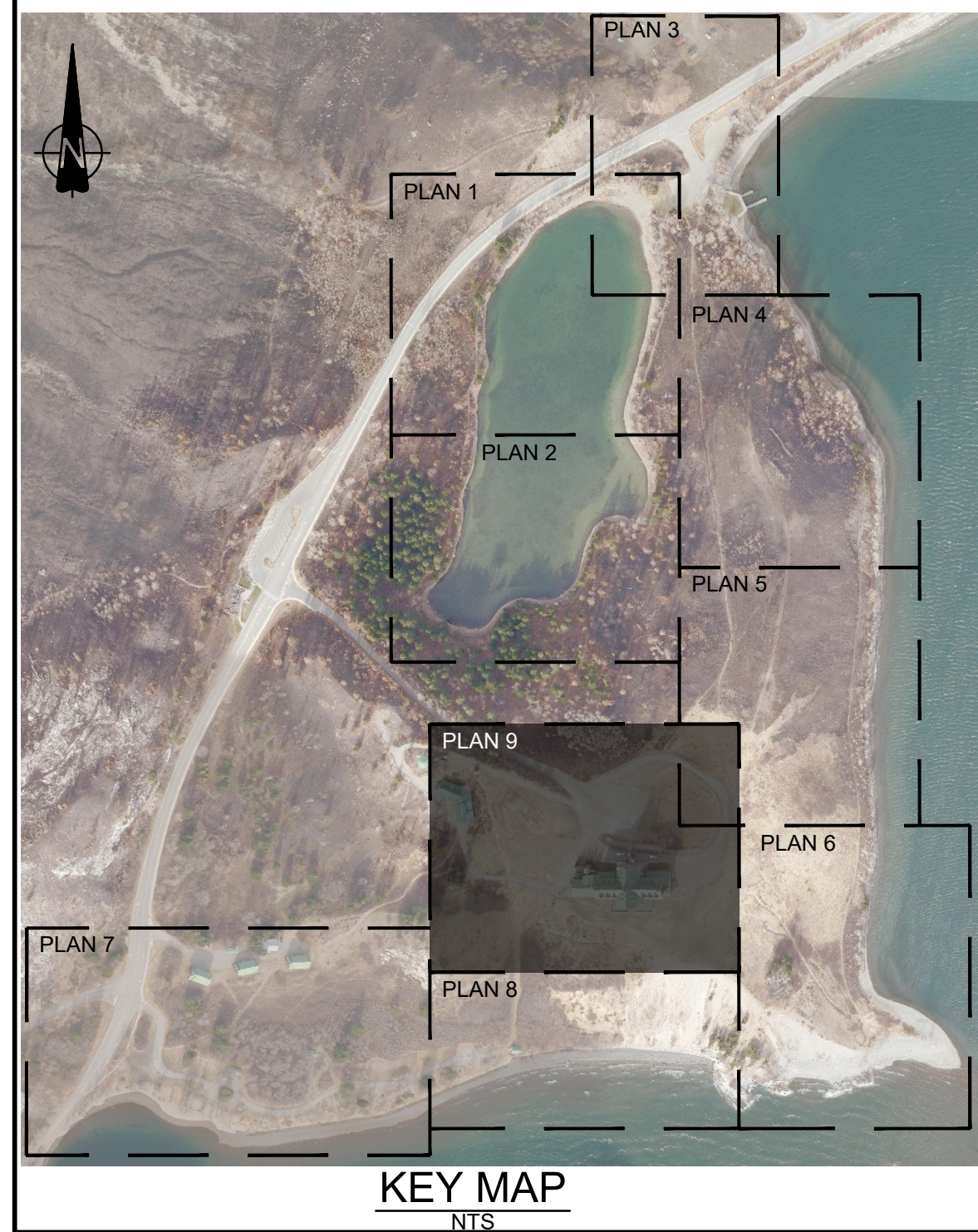
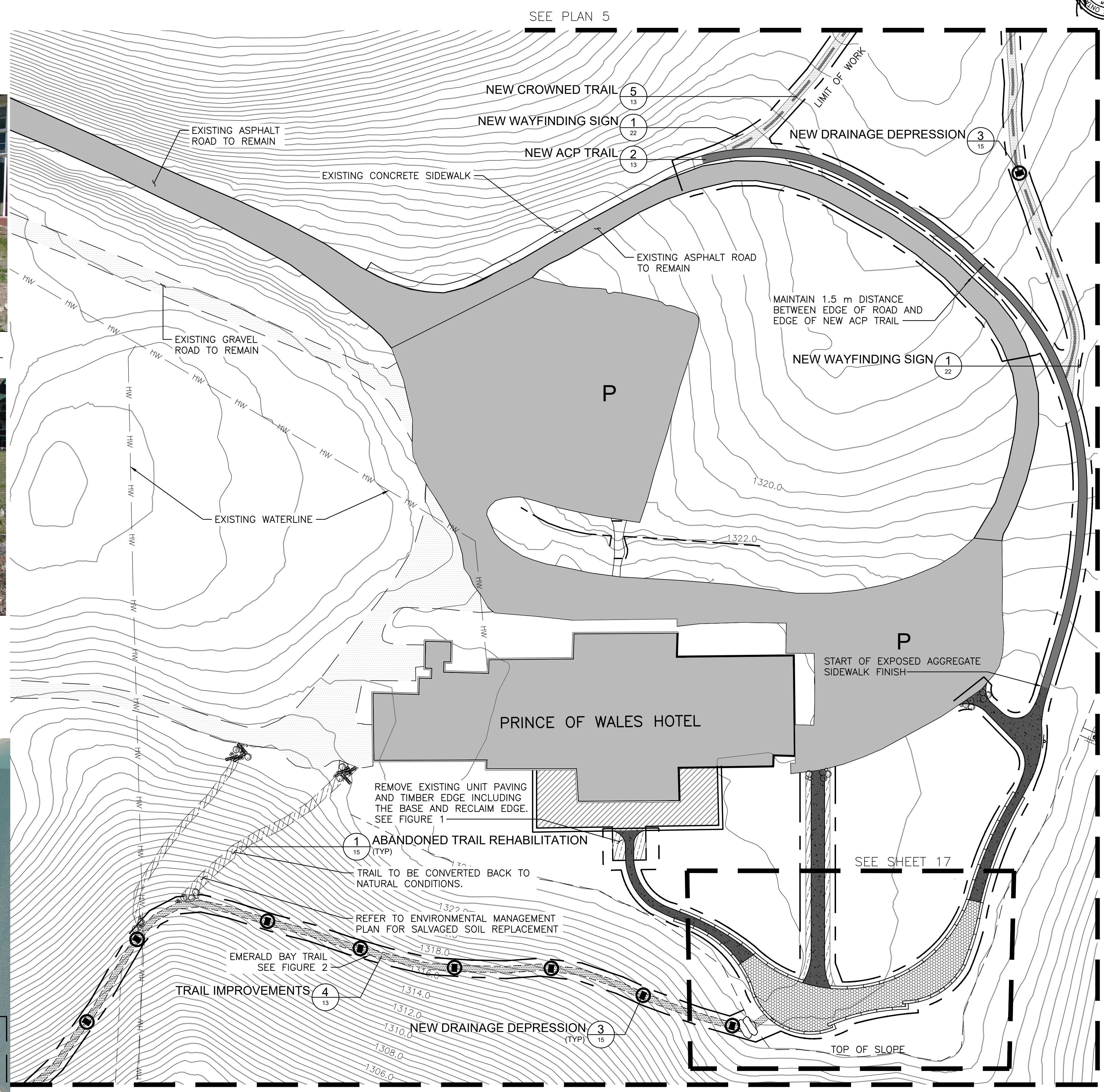


FIGURE 2: EMERALD BAY TRAIL



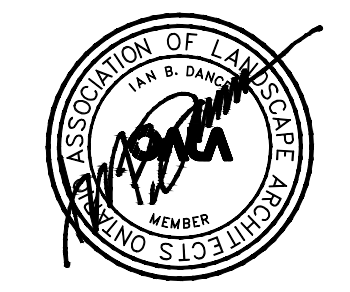
KEY MAP



SCALE 1:400
PLAN 1:400



Client
PARKS CANADA AGENCY
PROJECT DELIVERY
SERVICES WEST
WATERTON LAKES NATIONAL PARK
 Client



REVISIONS	DESCRIPTION	DATE
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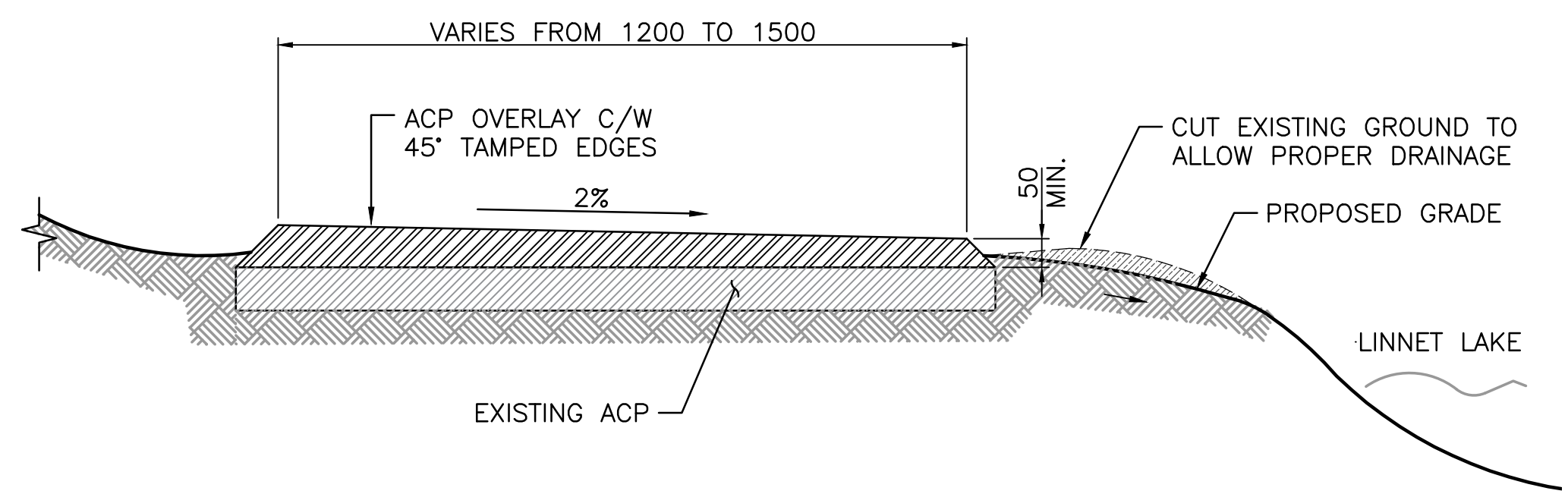
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project title
PRINCE OF WALES TRAIL IMPROVEMENTS
 titre du projet

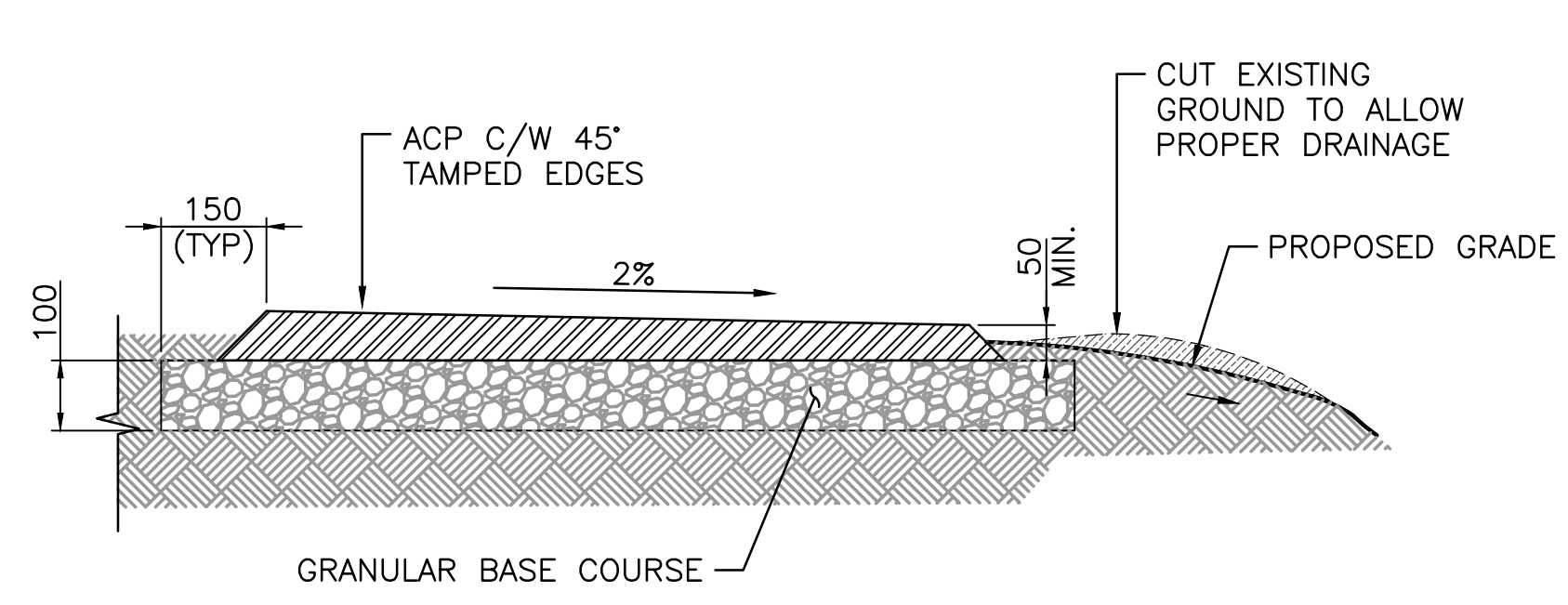
drawing title
PRINCE OF WALES AND LINNET LAKE
 titre du dessin

LANDSCAPE DETAILS 1 OF 4

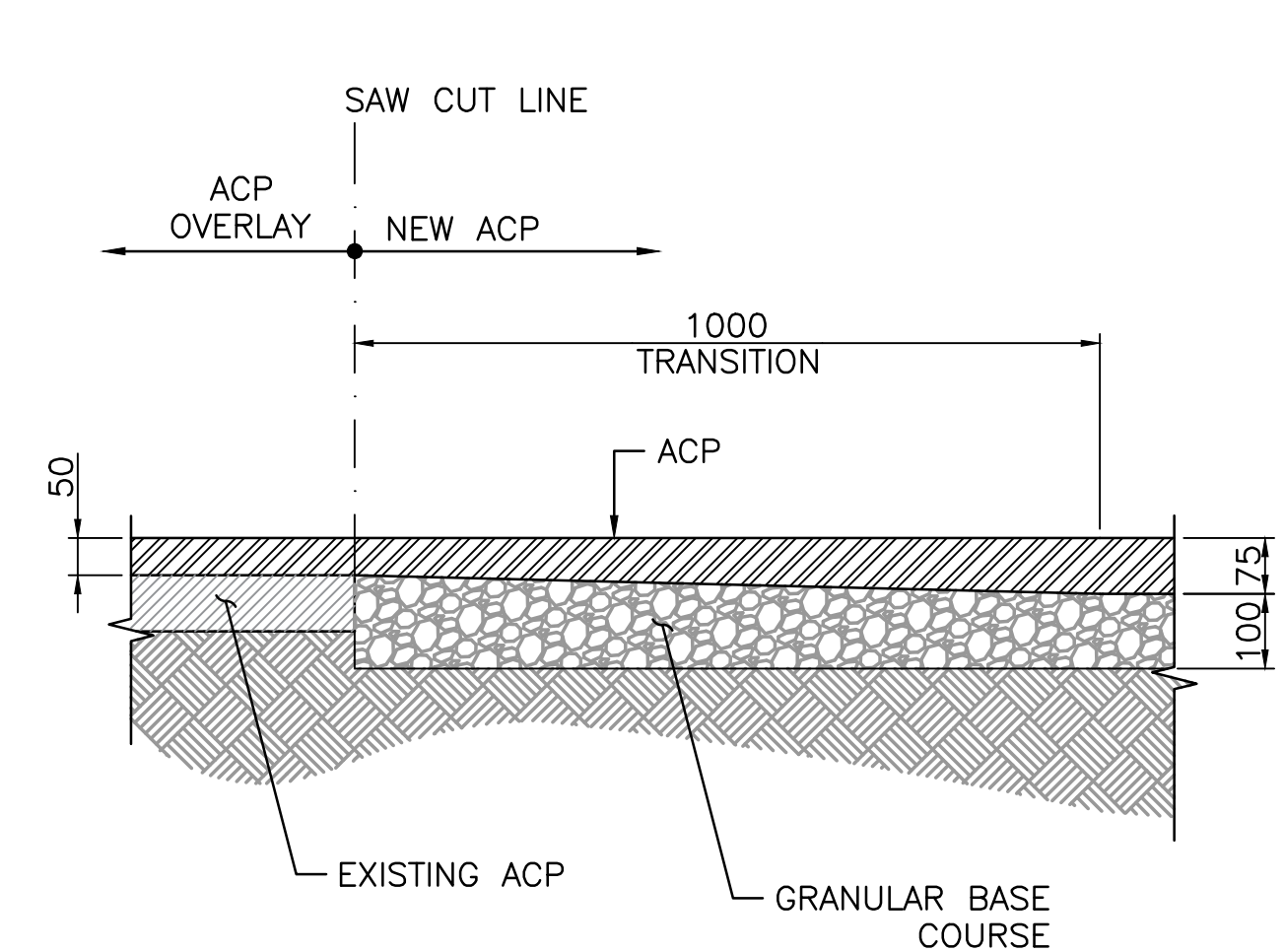
designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets APC
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date
		sheet
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		13
		OF 23



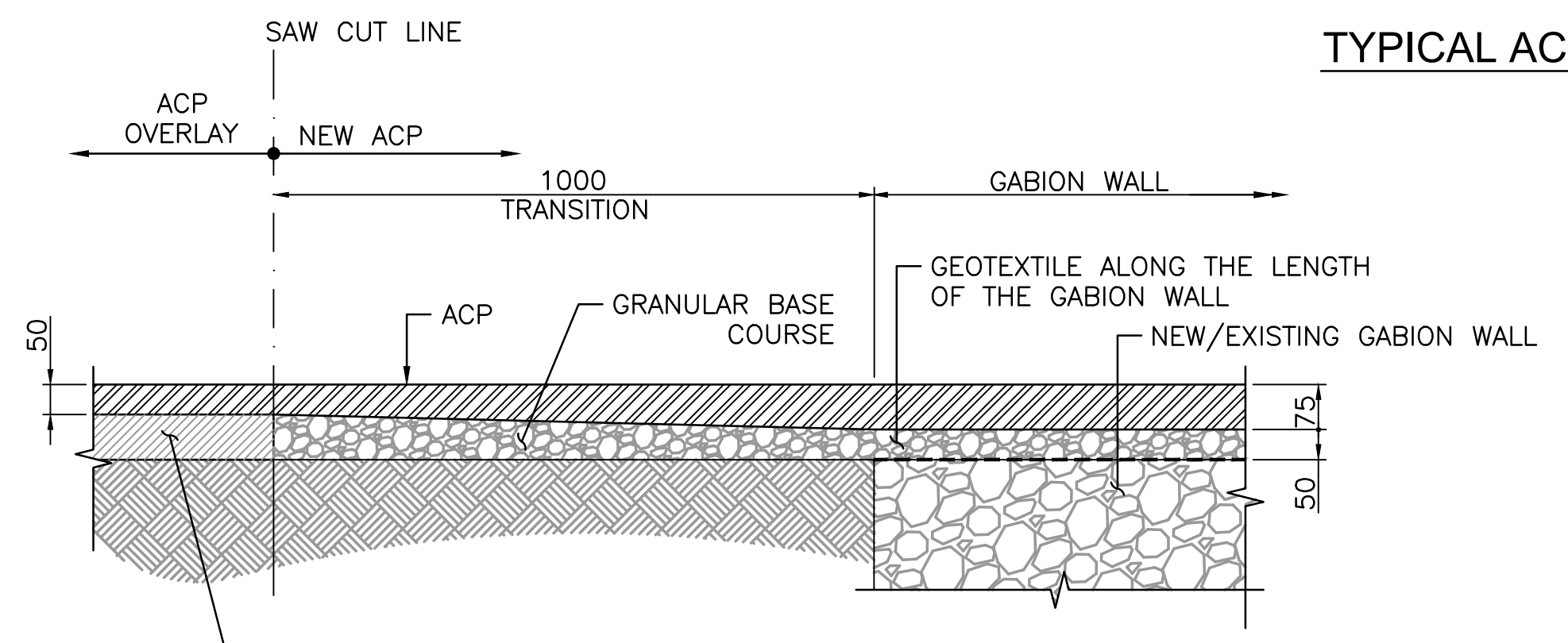
1 ACP OVERLAY
 4.5 1:10



2 NEW ACP
 6.12 1:10

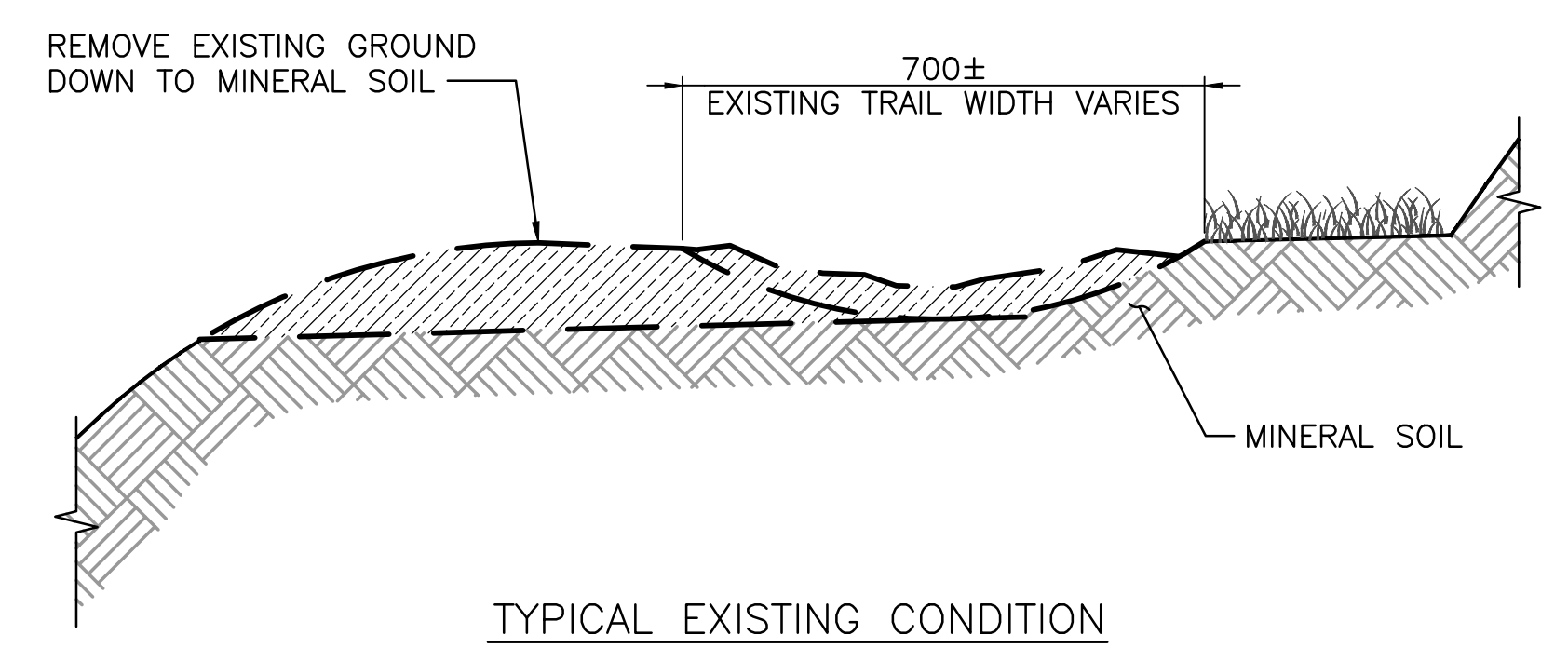


TYPICAL ACP TRANSITION
 1:10

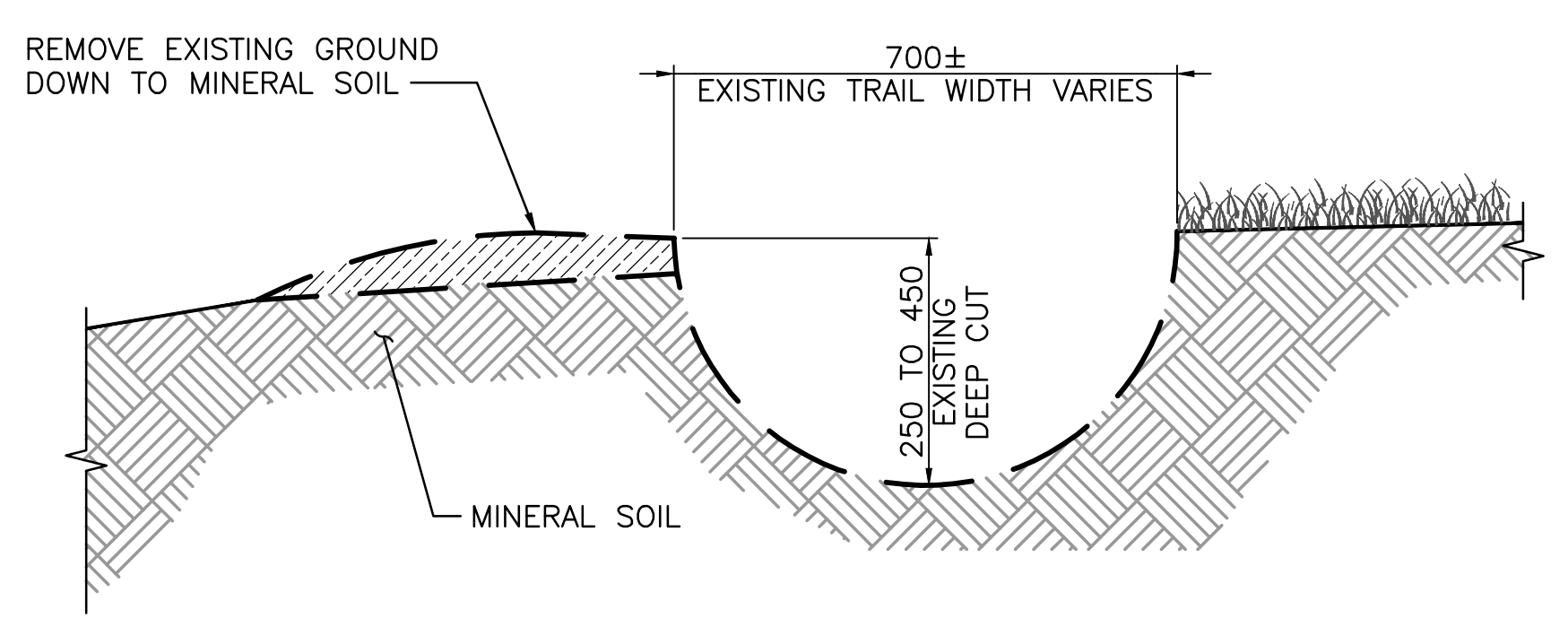


3 ACP AT GABION WALL
 5 1:10

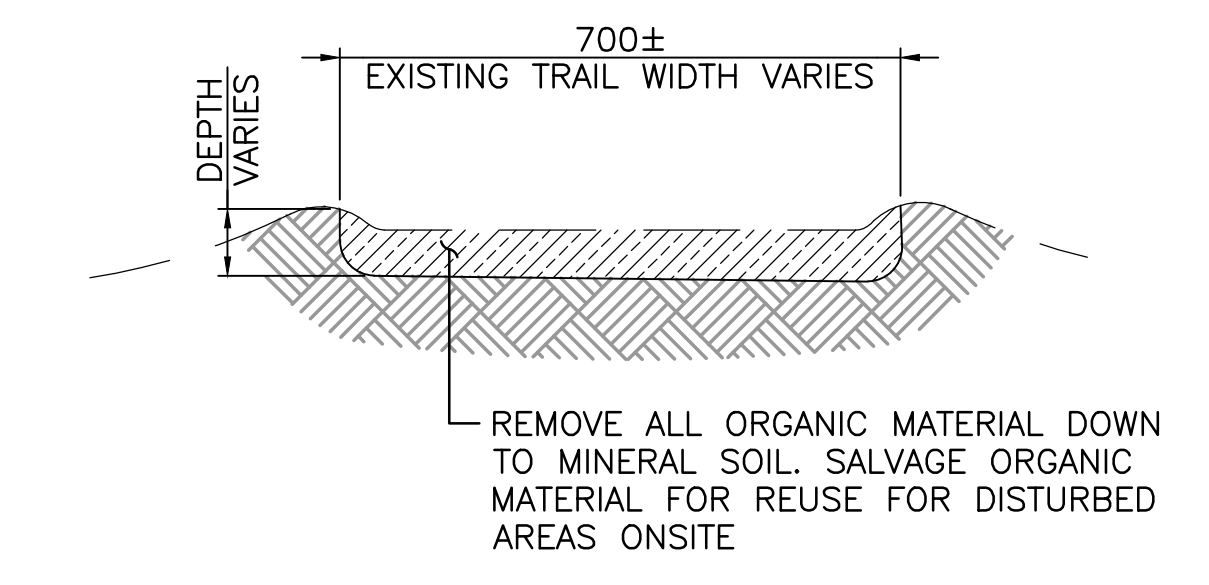
- NOTES:**
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS.
 2. ENSURE THAT ALL ORGANIC MATTER IS REMOVED FROM THE EXCAVATED PATH AREA PRIOR TO PLACING AND COMPACTION OF BASE MATERIALS.
 3. PREPARE EXISTING ACP SURFACE FOR INSTALL OF ACP OVERLAY. DO NOT PLACE BACKFILL AGAINST ASPHALT FOR A MINIMUM OF 48 HOURS.
 4. EDGES TO BE SMOOTH CURVES/STRAIGHT AND EVEN.
 5. ENSURE ASPHALT IS 50 mm ABOVE THE OUTSIDE DOWNSLOPE VEGETATION.



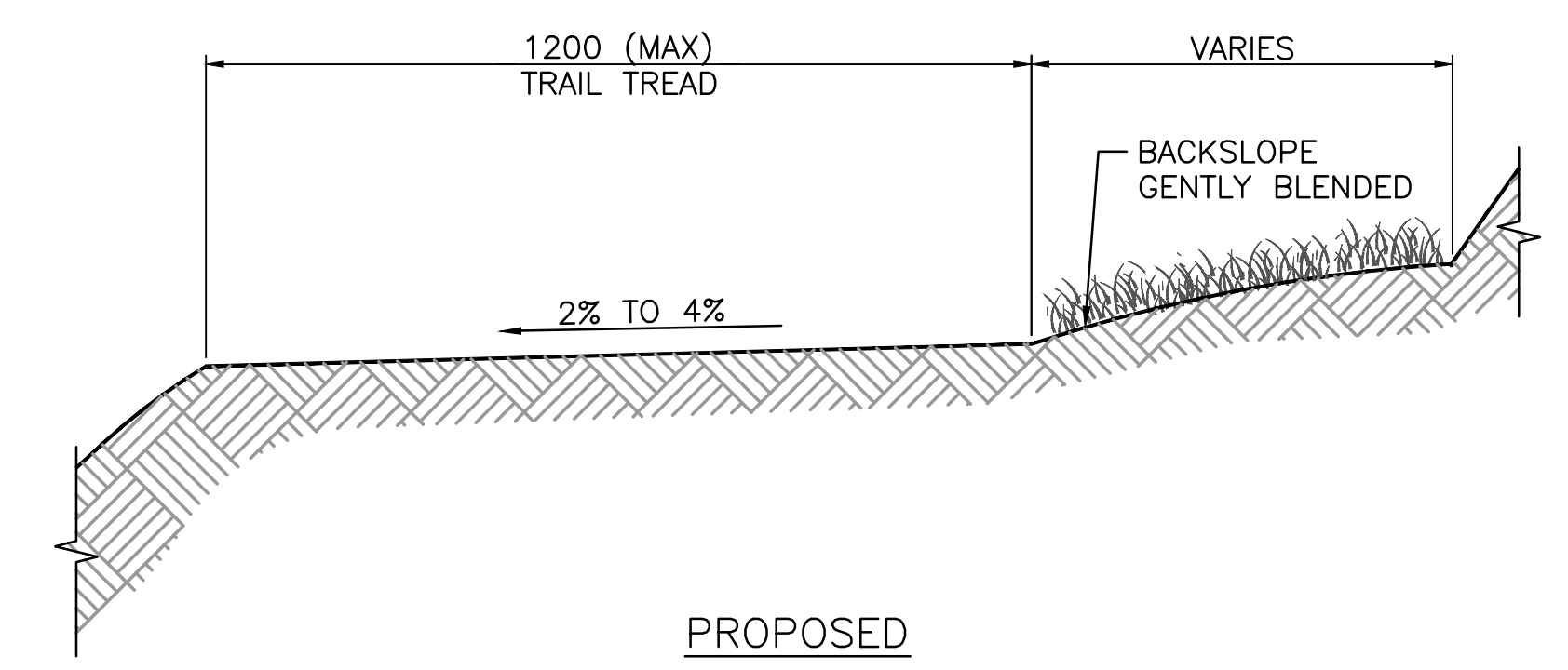
TYPICAL EXISTING CONDITION



TYPICAL EXISTING CONDITION



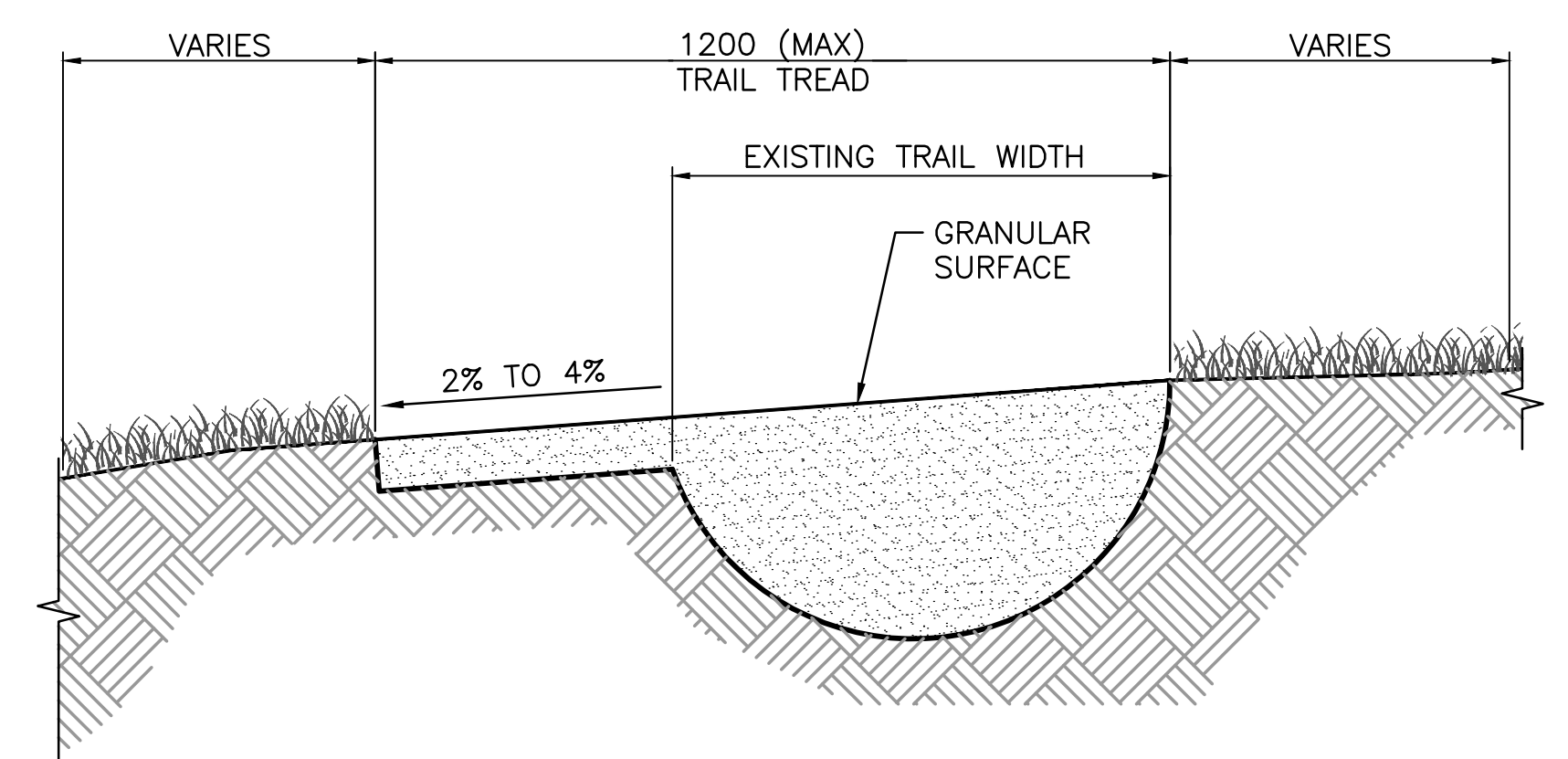
TYPICAL EXISTING CONDITION



PROPOSED

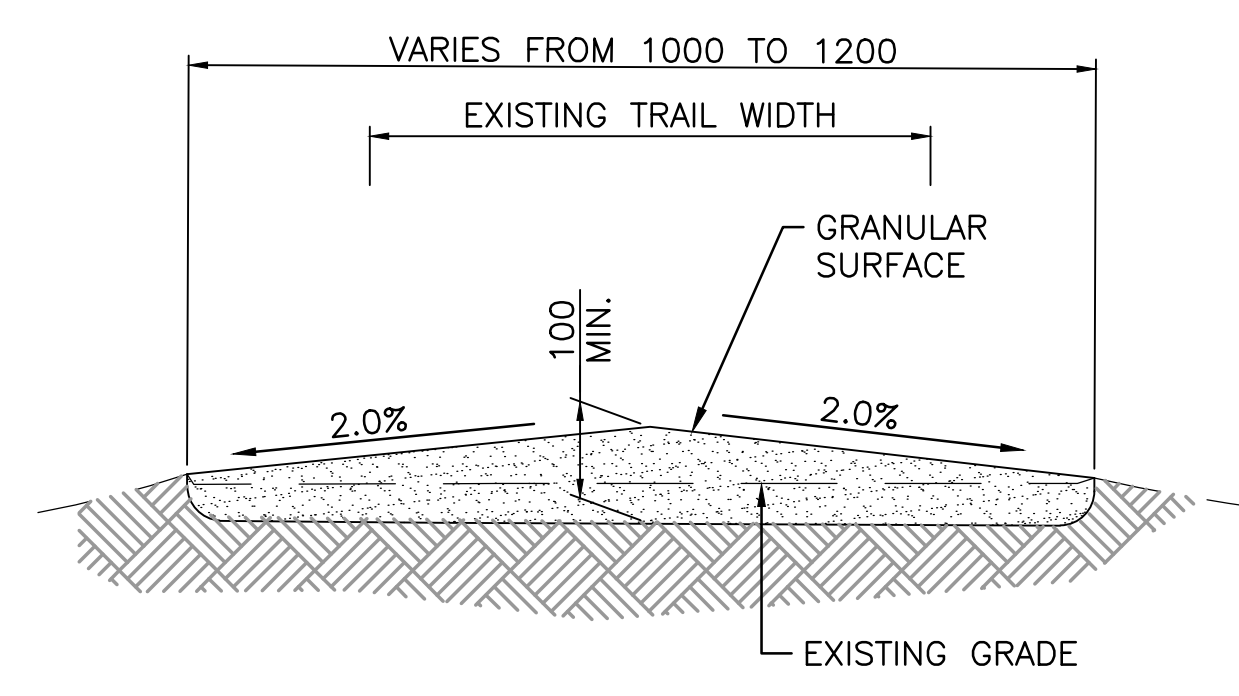
- NOTES:**
1. THE UPHILL SIDE OF THE TREAD SHALL BLEND INTO THE SLOPE ABOVE THE TRAIL (THE BACKSLOPE) WITH NO VERTICAL BACK-CUT.
 2. MINERAL SOIL IS DEFINED AS EXISTING SOIL FOUND ON SITE.
 3. TRAIL TREAD SHALL HAVE A SUBTLE TILT 2 TO 4 PERCENT IN DIRECTION OF THE FALL LINE.
 4. ENTIRE TREAD WIDTH SHALL BE CUT TO FIRM MINERAL SOIL.
 5. REMOVE SMALL TREES OR SHRUBS INCLUDING ROOTS AND ALL. FILL ALL DEPRESSIONS AND GRADE TO MATCH THE TREAD.
 6. COMPACT WITH PLATE TAMPER TO ENSURE THERE IS NO LOOSE DEBRIS ON TRAIL.

TYPICAL TRAIL



PROPOSED

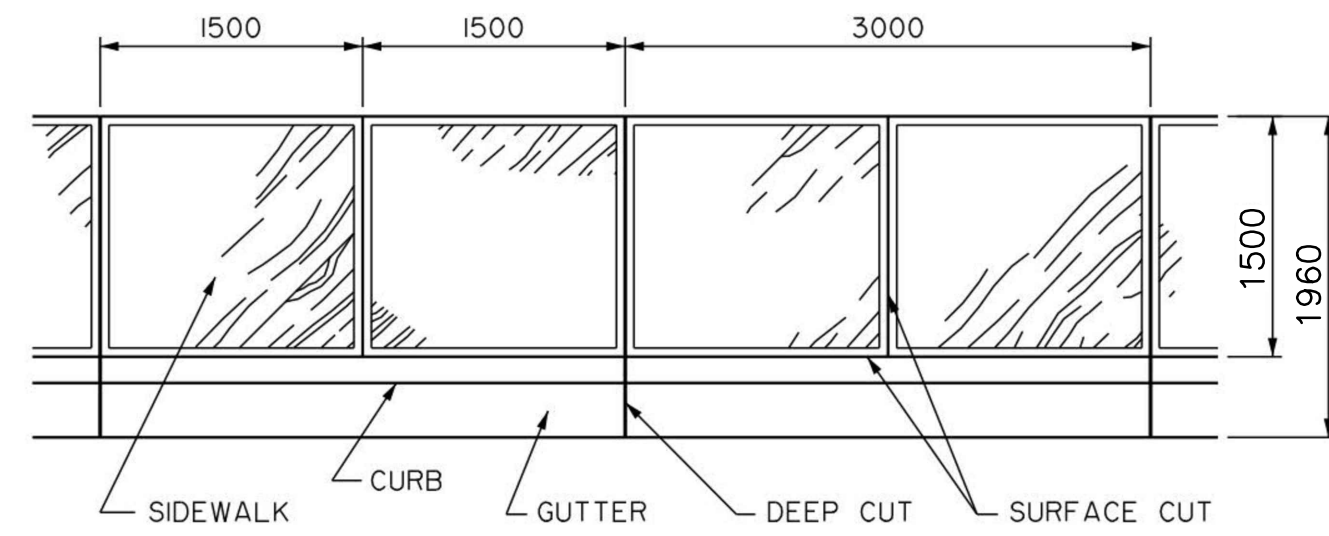
DEEP CUT TRAIL



PROPOSED

5 CROWNED TRAIL
 6, 7, 8, 11, 12 1:10

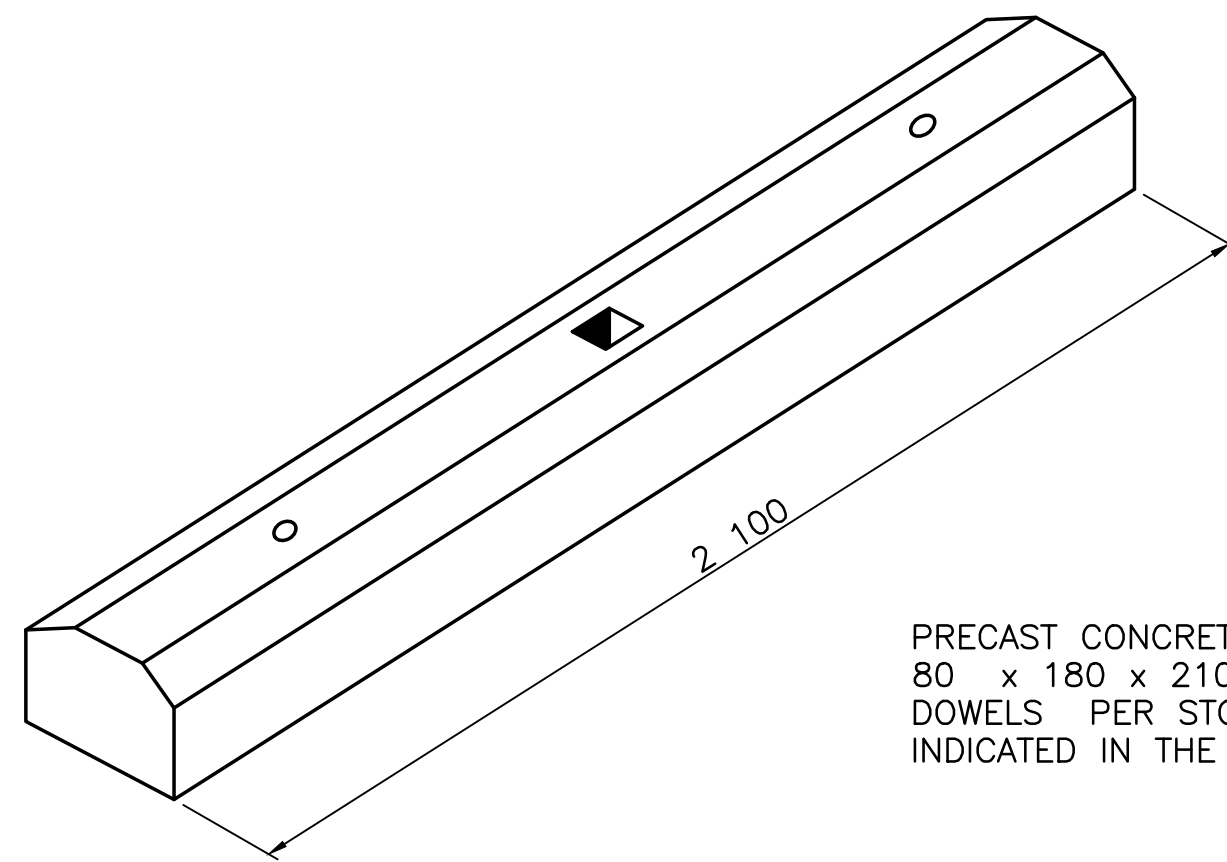
4 TRAIL IMPROVEMENTS
 7, 8, 9, 10, 11, 12, 17 1:10



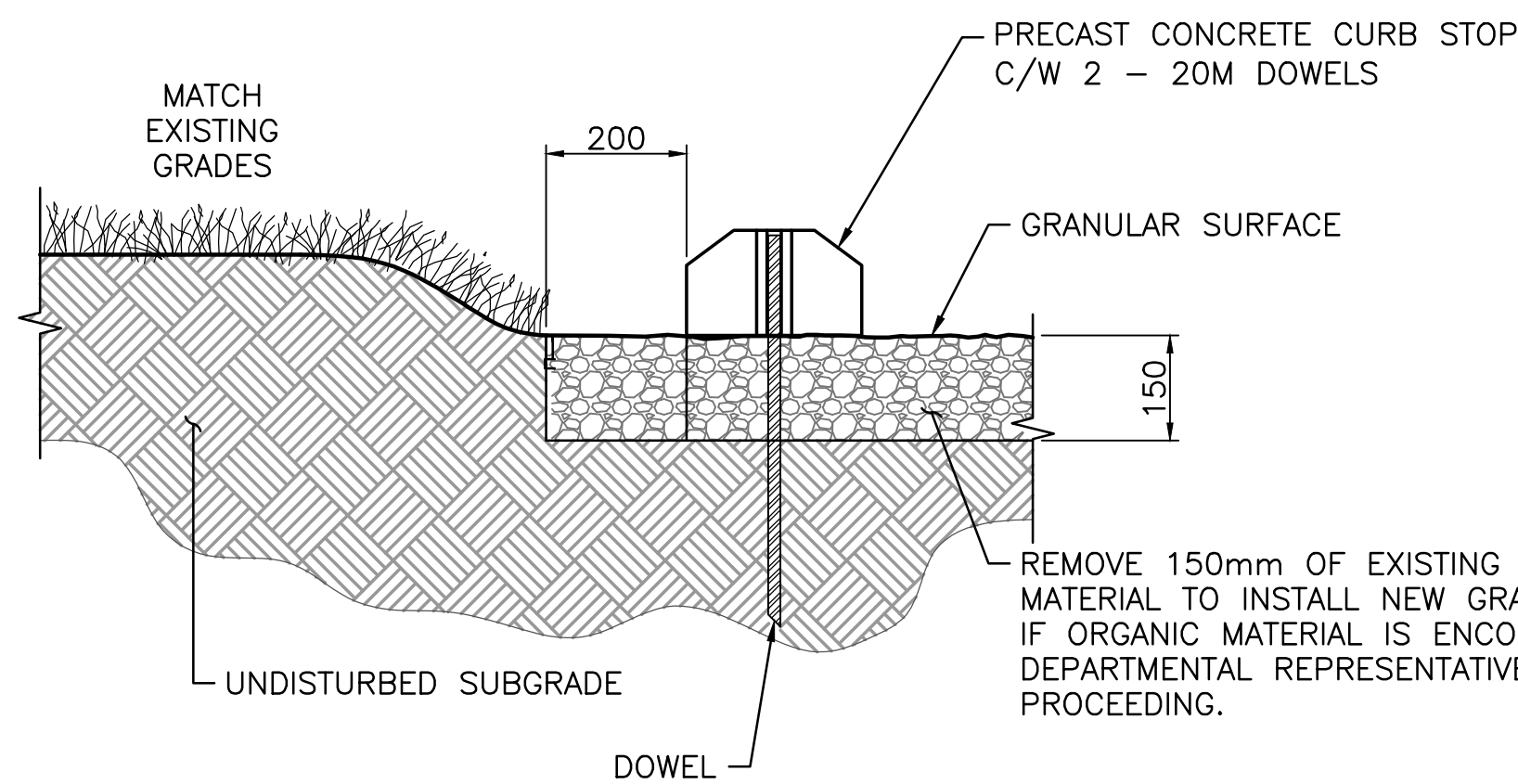
NOTE:

1. SIDEWALK SURFACE TO BE BRUSHED FINISHED UNLESS NOTED OTHERWISE.
2. 6 mm x 32 mm DEEP EXPANSION JOINTS TO BE LOCATED AT 3000 mm INTERVALS.

1 **SIDEWALK JOINT LAYOUT**
6,17 NTS



PRECAST CONCRETE CURB STOP
80 x 180 x 2100 WITH 2 - 20M
DOWELS PER STOP, UNLESS OTHERWISE
INDICATED IN THE LAYOUT PLANS

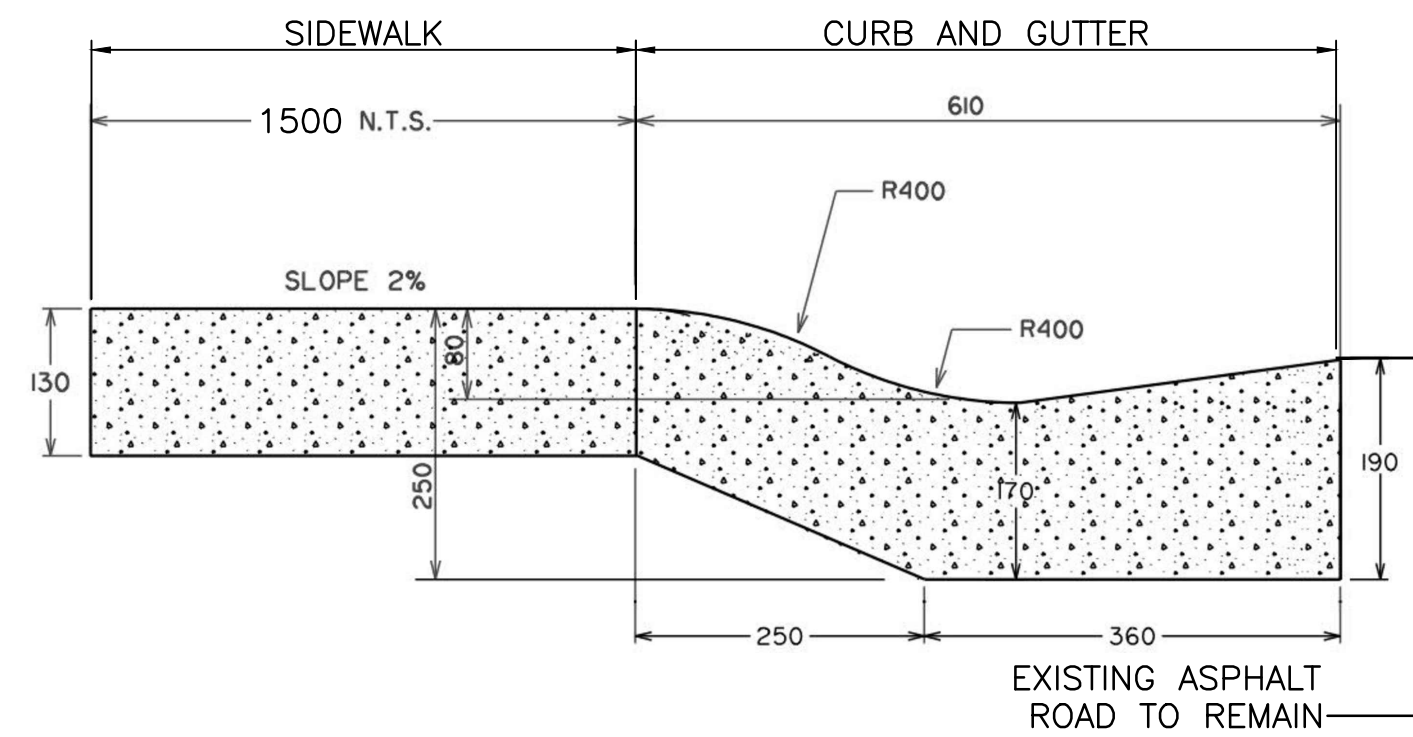


REMOVE 150mm OF EXISTING SURFACE
MATERIAL TO INSTALL NEW GRANULAR MATERIAL.
IF ORGANIC MATERIAL IS ENCOUNTERED CONSULT
DEPARTMENTAL REPRESENTATIVE BEFORE
PROCEEDING.

NOTES:

1. SUBGRADE TO BE SLOPED AT 2% MINIMUM TO FACILITATE DRAINAGE AND TO BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO APPLICATION OF GRANULAR SURFACE.
2. GRANULAR SURFACE TO BE SLOPED AT 2% AND SUBJECT TO APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE.
3. INSTALLATION OF STANDARD PRECAST CURB STOPS AS PER ALBERTA TRANSPORTATION STANDARDS. PLACEMENT SUBJECT TO DEPARTMENTAL REPRESENTATIVE APPROVAL.

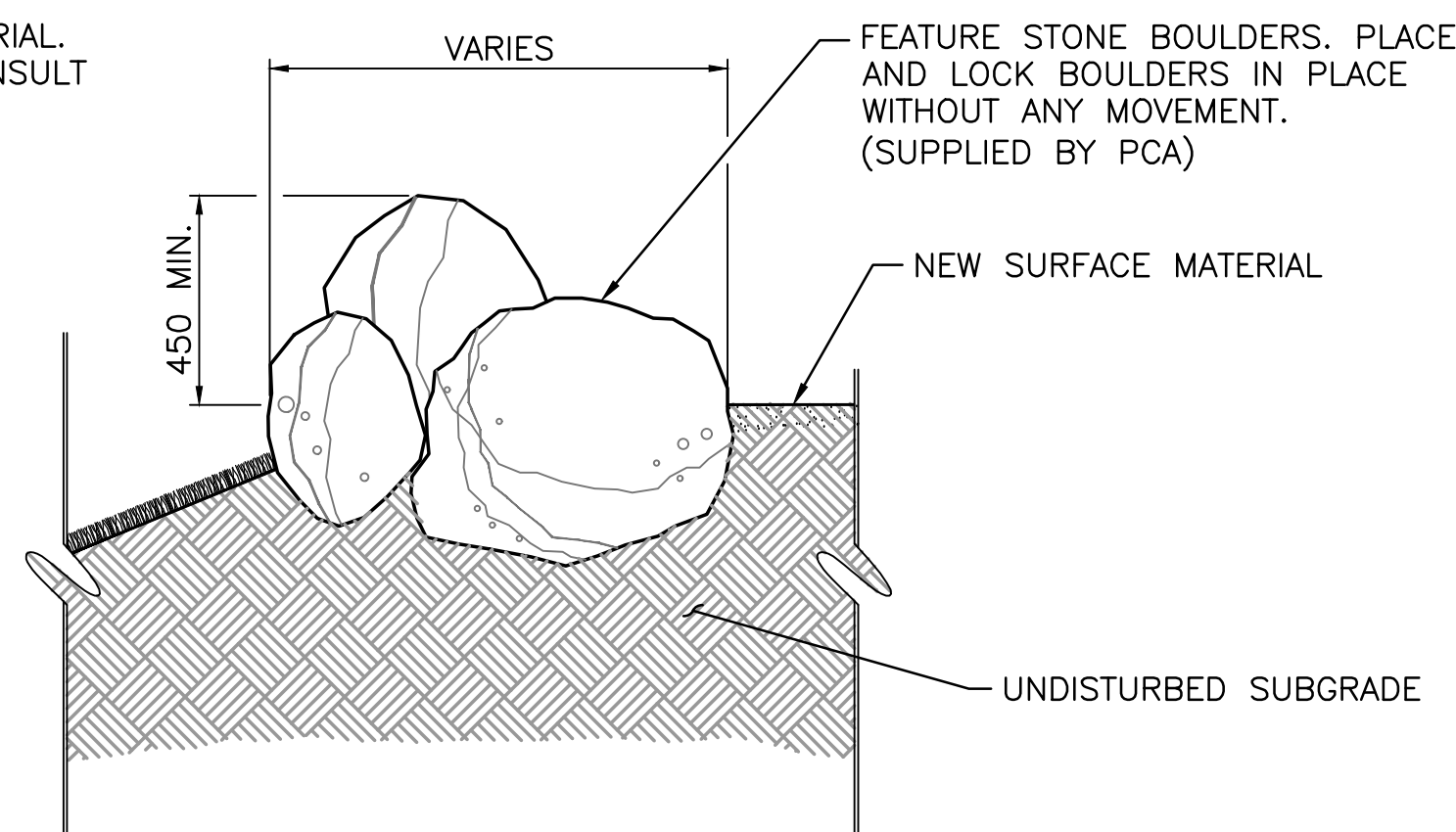
4 **GRAVEL PARKING**
10 1:10



NOTE:

1. ADD 150 GRANULAR BASE UNDER THE CONCRETE COMPACTED TO 98% SPD.

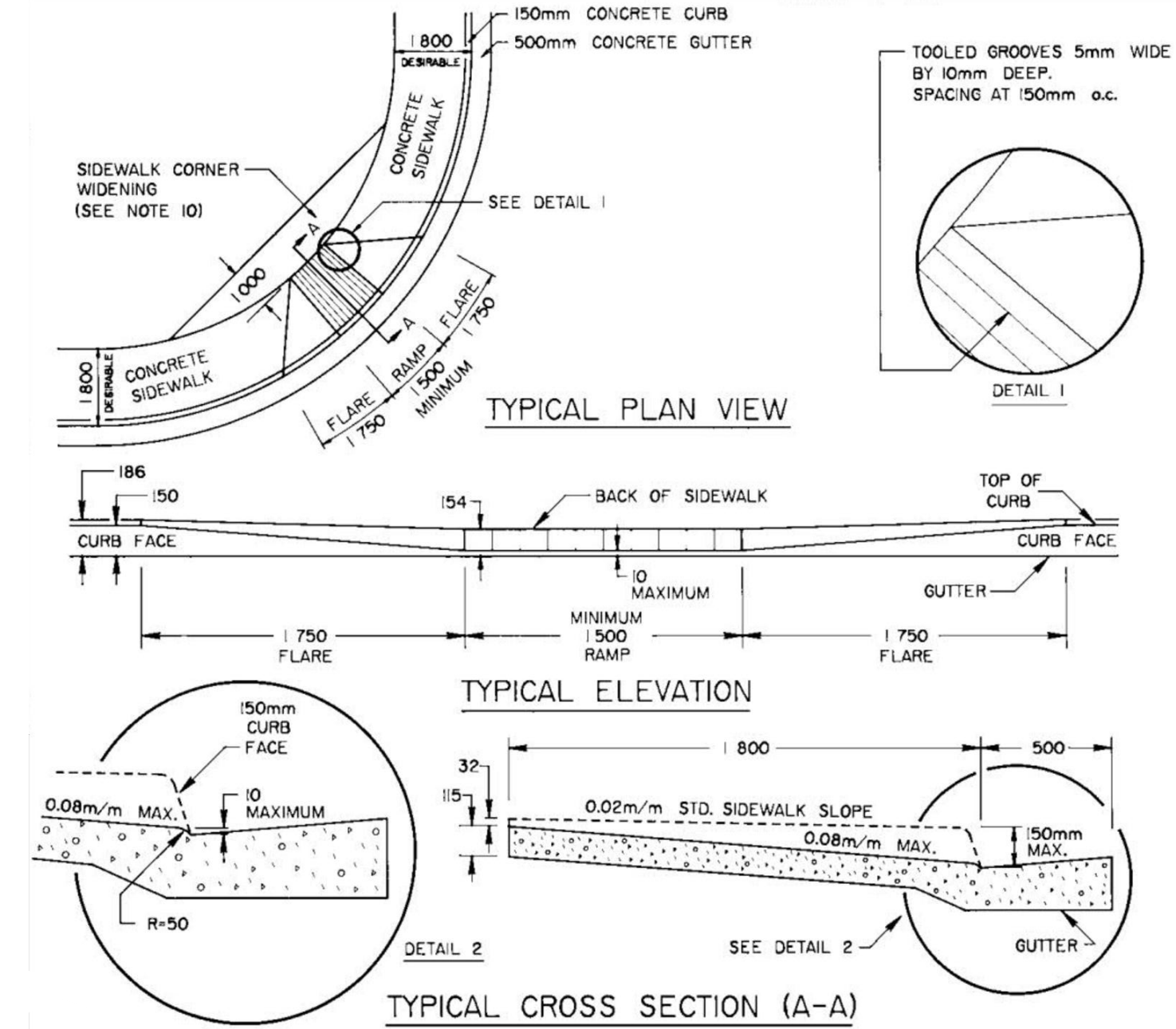
2 **CONCRETE SIDEWALK C/W CURB AND GUTTER**
6,17 NTS



NOTES:

1. 1/4 TO 1/3 OF BOULDER SURFACE TO BE PLACED BELOW FINISHED GRADE.
2. BOULDERS TO BE PROVIDED BY PCA AND APPROVED ONSITE BY DEPARTMENTAL REPRESENTATIVE.

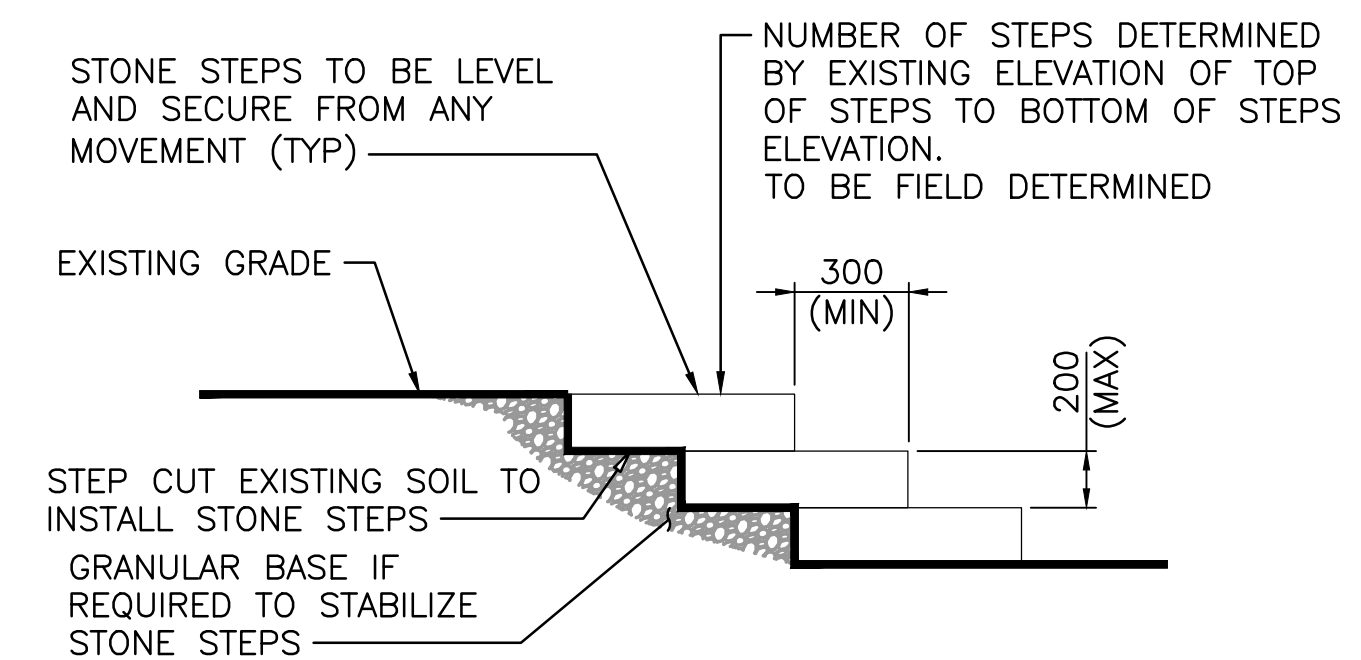
5 **STONE FEATURE**
11 1:20



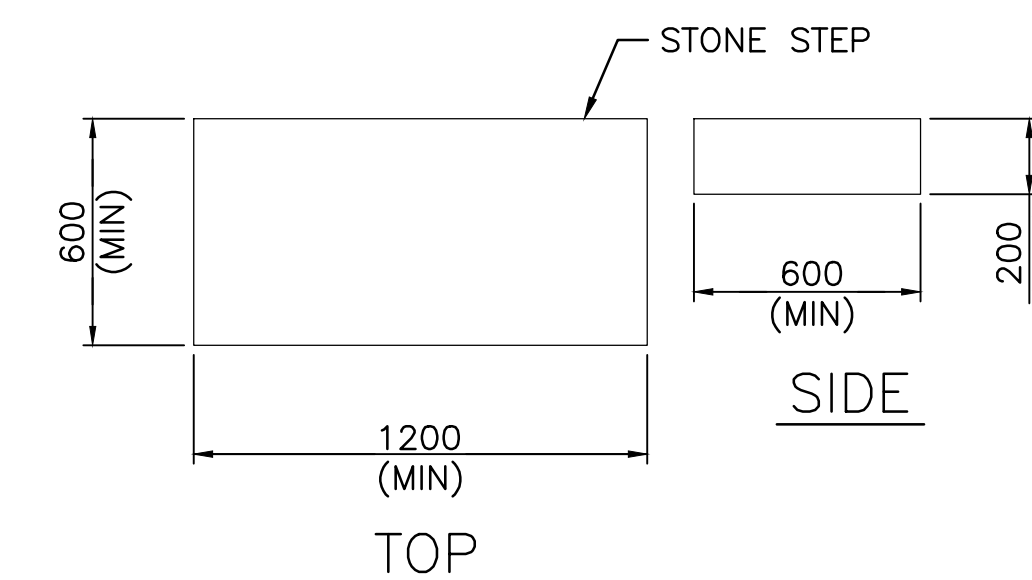
NOTE:

1. ALL DIMENSION IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
2. RAMPS FOR USERS OF WHEELCHAIRS/BICYCLES SHOULD BE LOCATED AT ALL JUNCTION OF CROSSWALKS AND SIDEWALKS. RAMPS MUST BE LOCATED WITHIN A CROSSWALK.
3. GROVES ON SIDEWALK RAMPS ARE TO ALERT PERSONS WHO ARE VISUALLY IMPAIRED OF THE CURB CUT AND A STREET CROSSING.
4. CONCRETE SIDEWALK, CURBS AND RAMPS TO BE POURED MONOLITHICALLY.
5. MINIMUM WIDTH OF RAMP IS 1500.
6. MAXIMUM RAMP SLOPE IS 0.08m/m.
7. WHERE SIDEWALK IS LESS THAN 1800 WIDE, THE 0.08m/m MAXIMUM SLOPE SHOULD NOT BE EXCEEDED AND THEREFORE THE BACK OF THE SIDEWALK MUST BE LOWERED ACCORDINGLY.

3 **CONCRETE SIDEWALK RAMP**
6 NTS



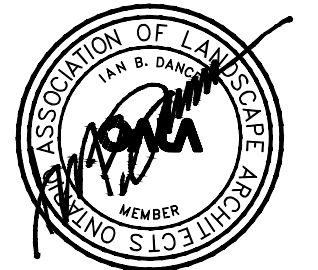
TYPICAL STEP SECTION



6 **TYPICAL STONE STEP**
11,12,17 1:20



**PARKS CANADA AGENCY
PROJECT DELIVERY
SERVICES WEST
WATERTON LAKES NATIONAL PARK**



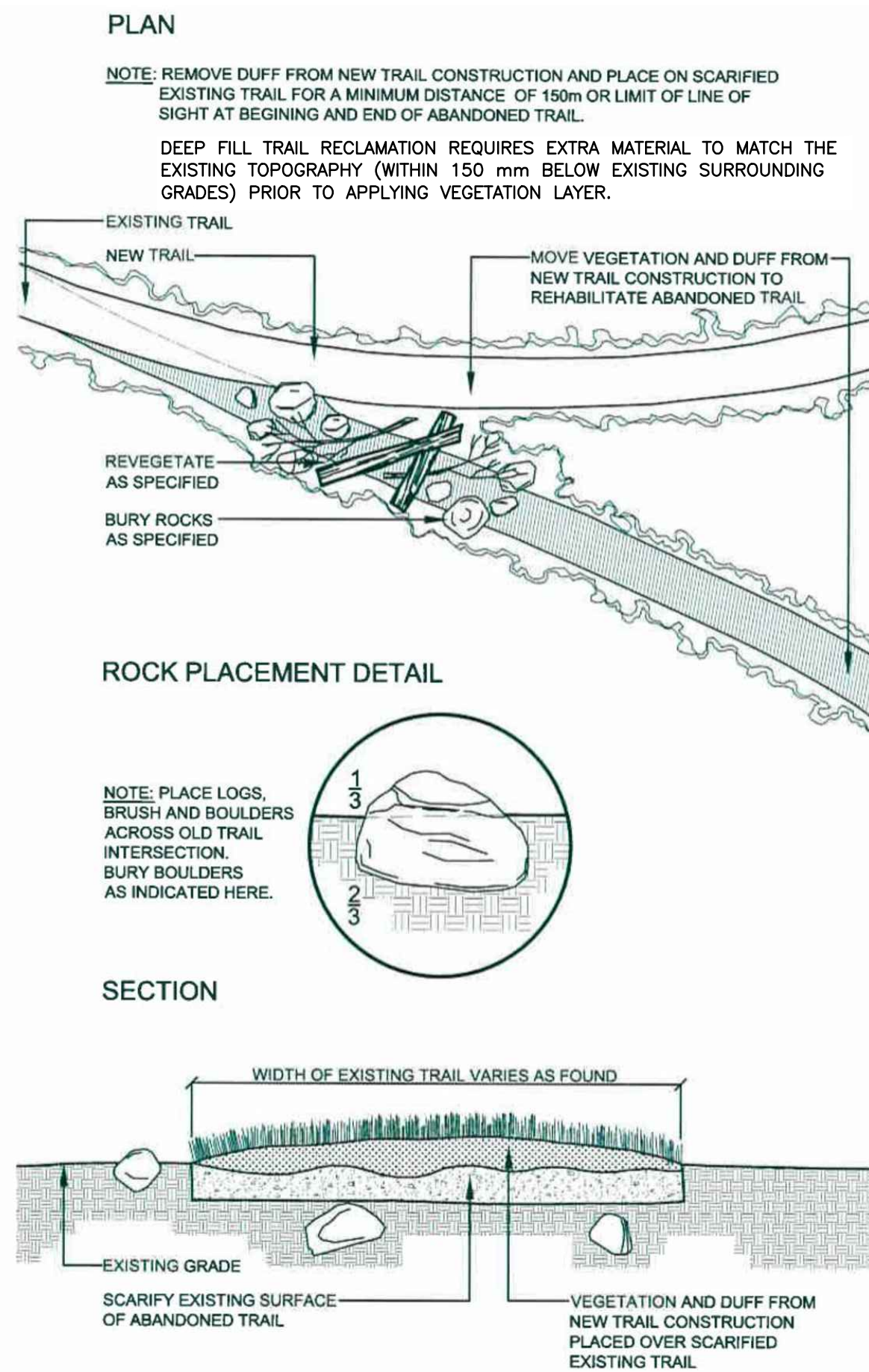
REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A	detail number	A
B	source drawing no.	B/C
C	detail on drawing no.	

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

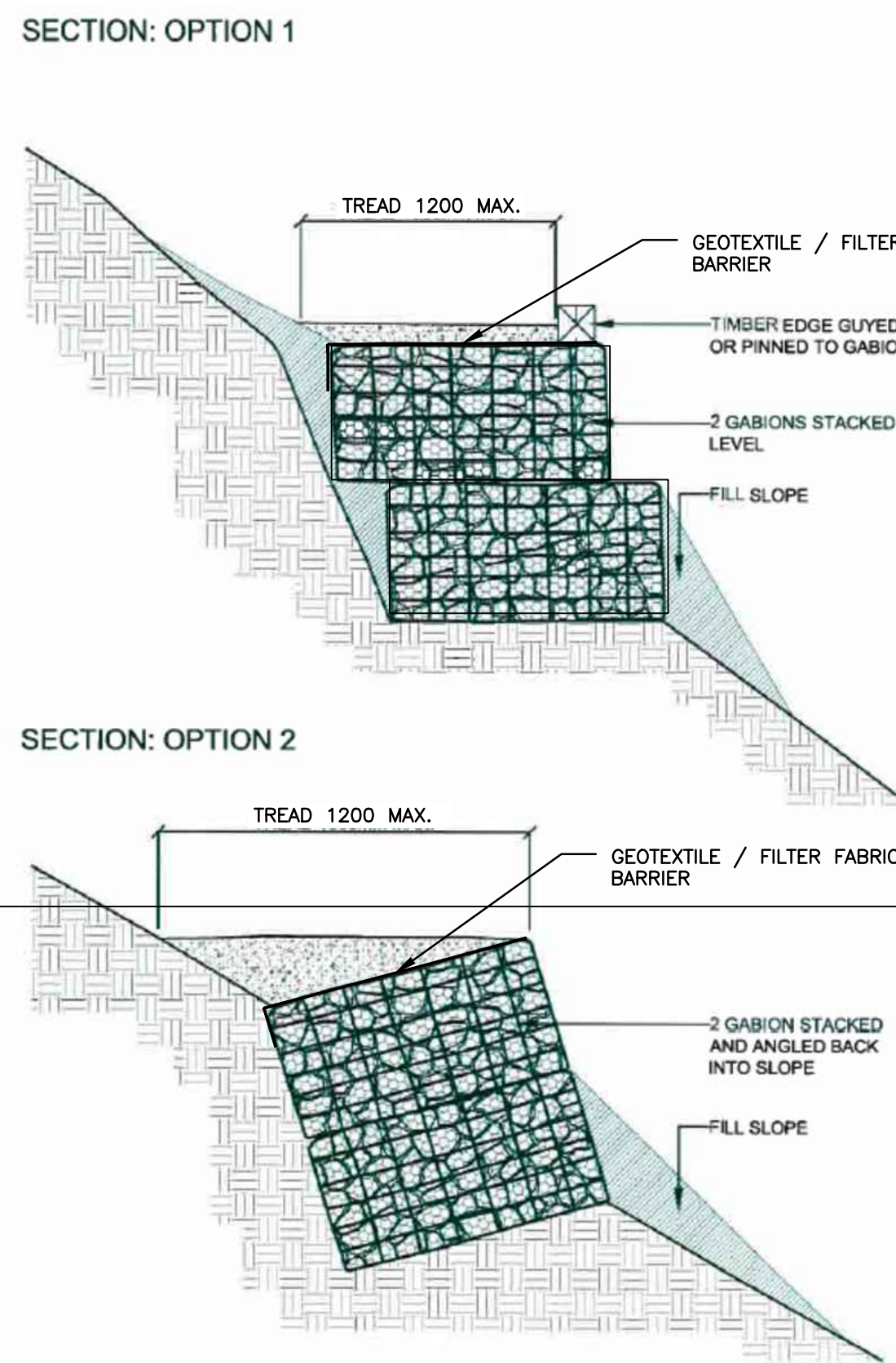
drawing title **PRINCE OF WALES AND LINNET LAKE LANDSCAPE DETAILS 2 OF 4** titre du dessin

designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets APC
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date



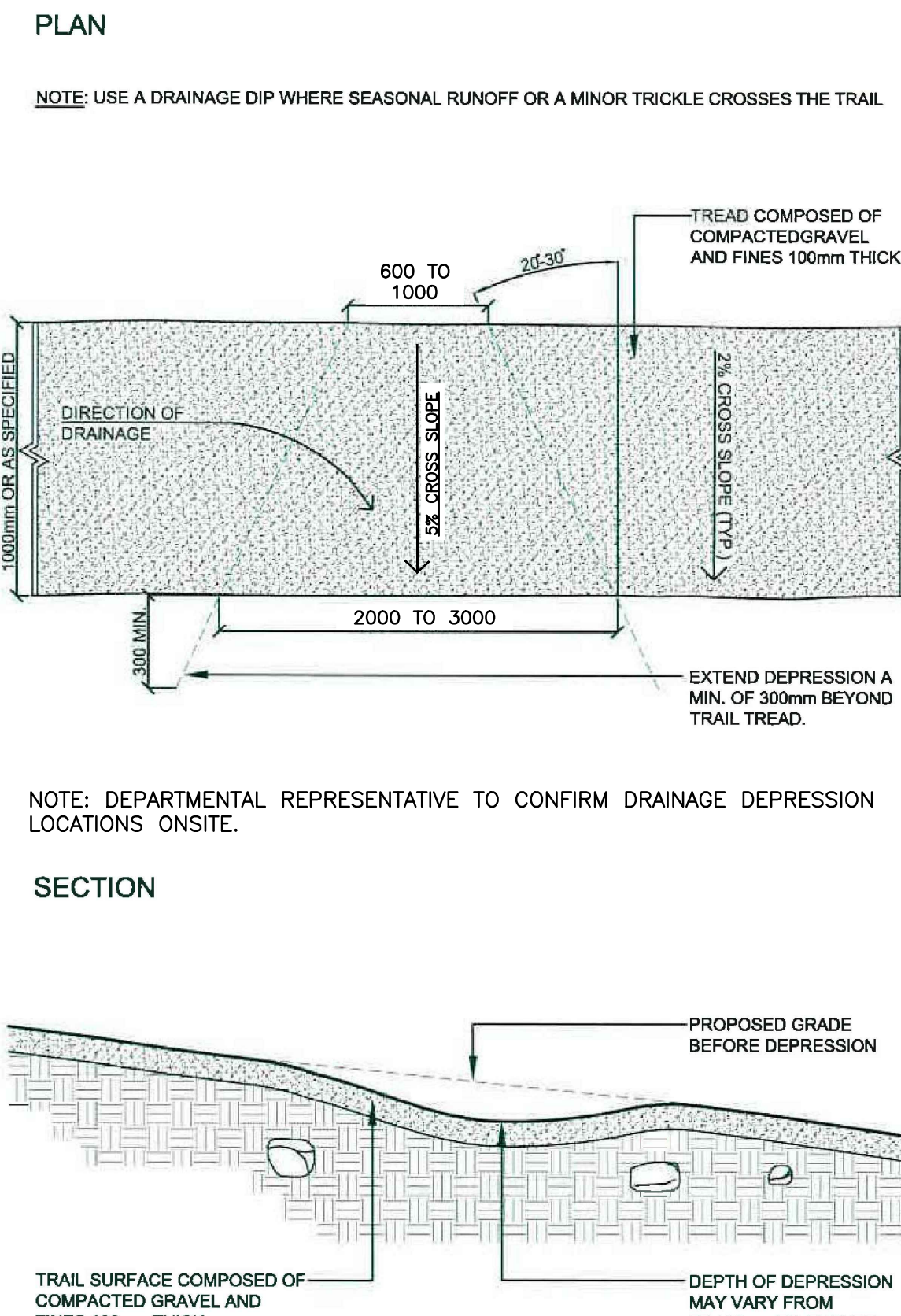
1 ABANDONED TRAIL REHABILITATION

7, 8, 9, 10, 12
 REFERENCE: TRAIL AND BACK COUNTRY FACILITY DESIGN GUIDELINES 2008



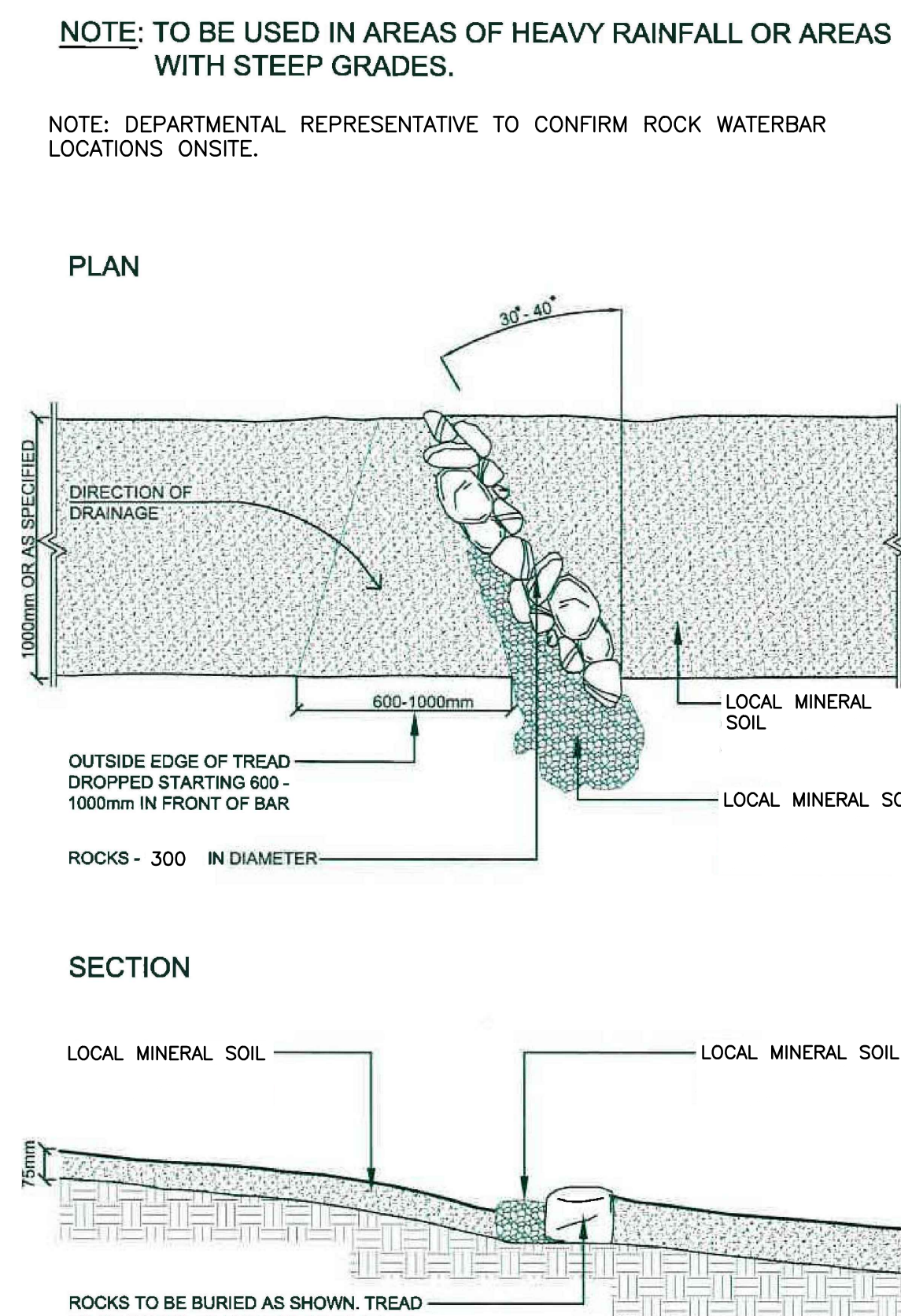
2 GABION RETAINING WALL

5, 9, 10
 REFERENCE: TRAIL AND BACK COUNTRY FACILITY DESIGN GUIDELINES 2008



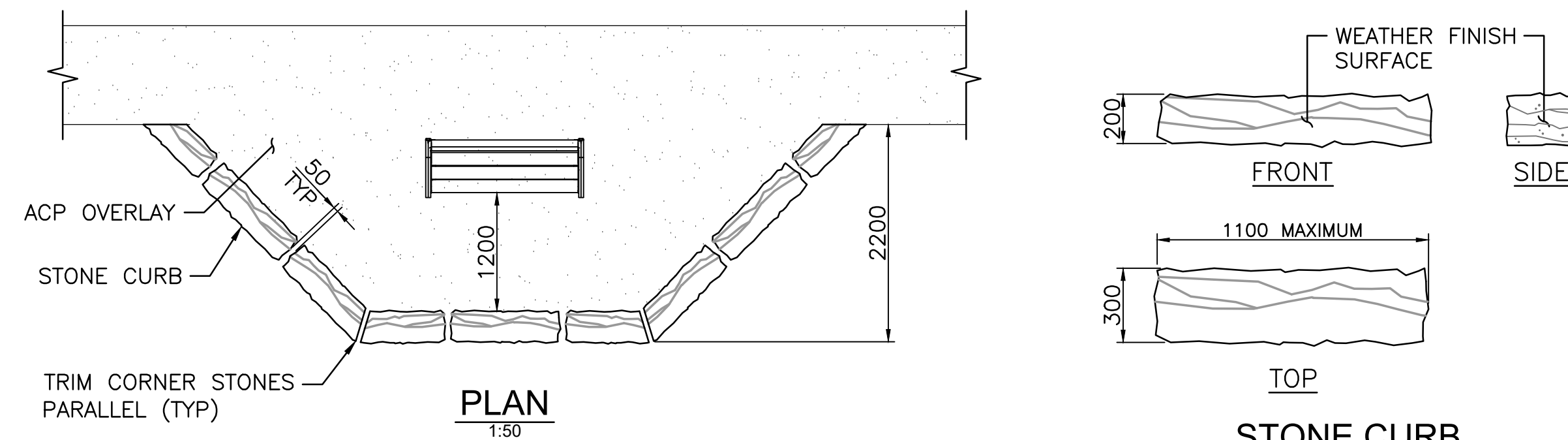
3 DRAINAGE DEPRESSION

6, 7, 8, 9, 10, 12
 REFERENCE: TRAIL AND BACK COUNTRY FACILITY DESIGN GUIDELINES 2008

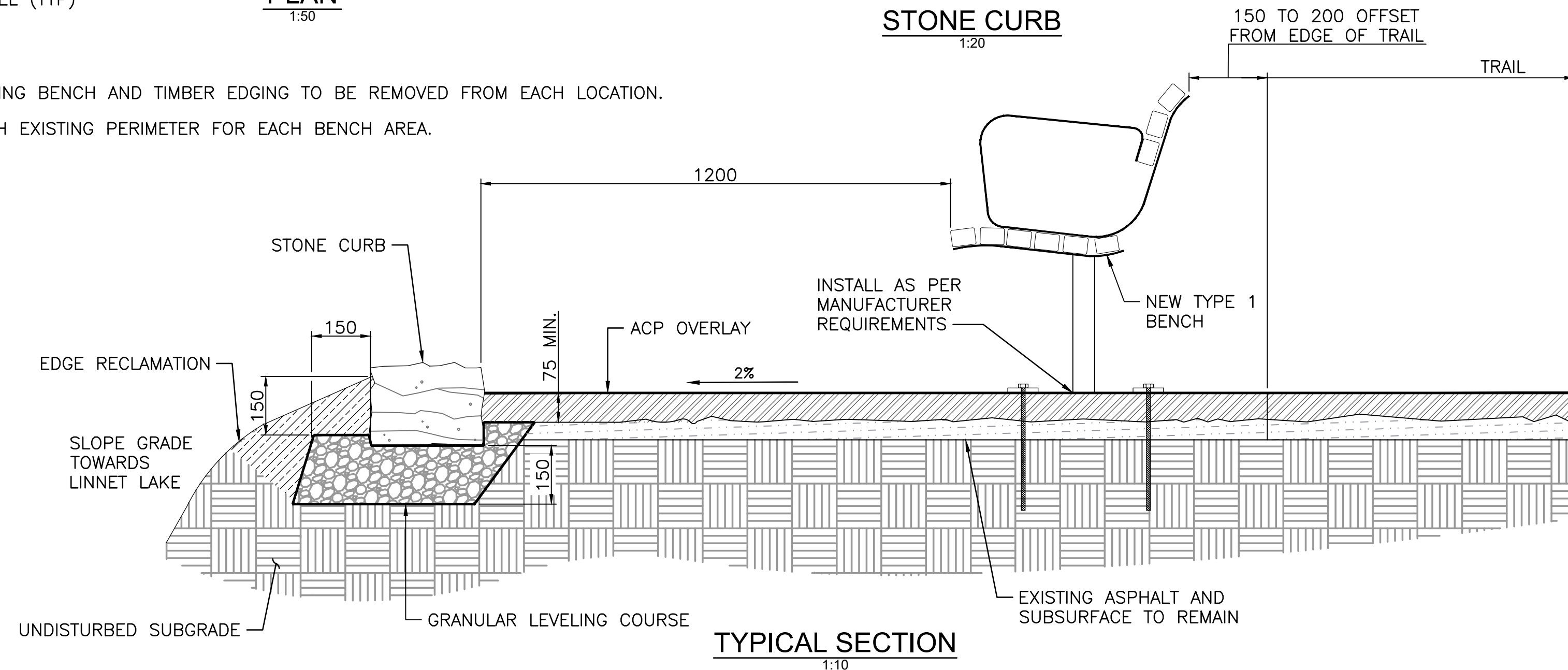
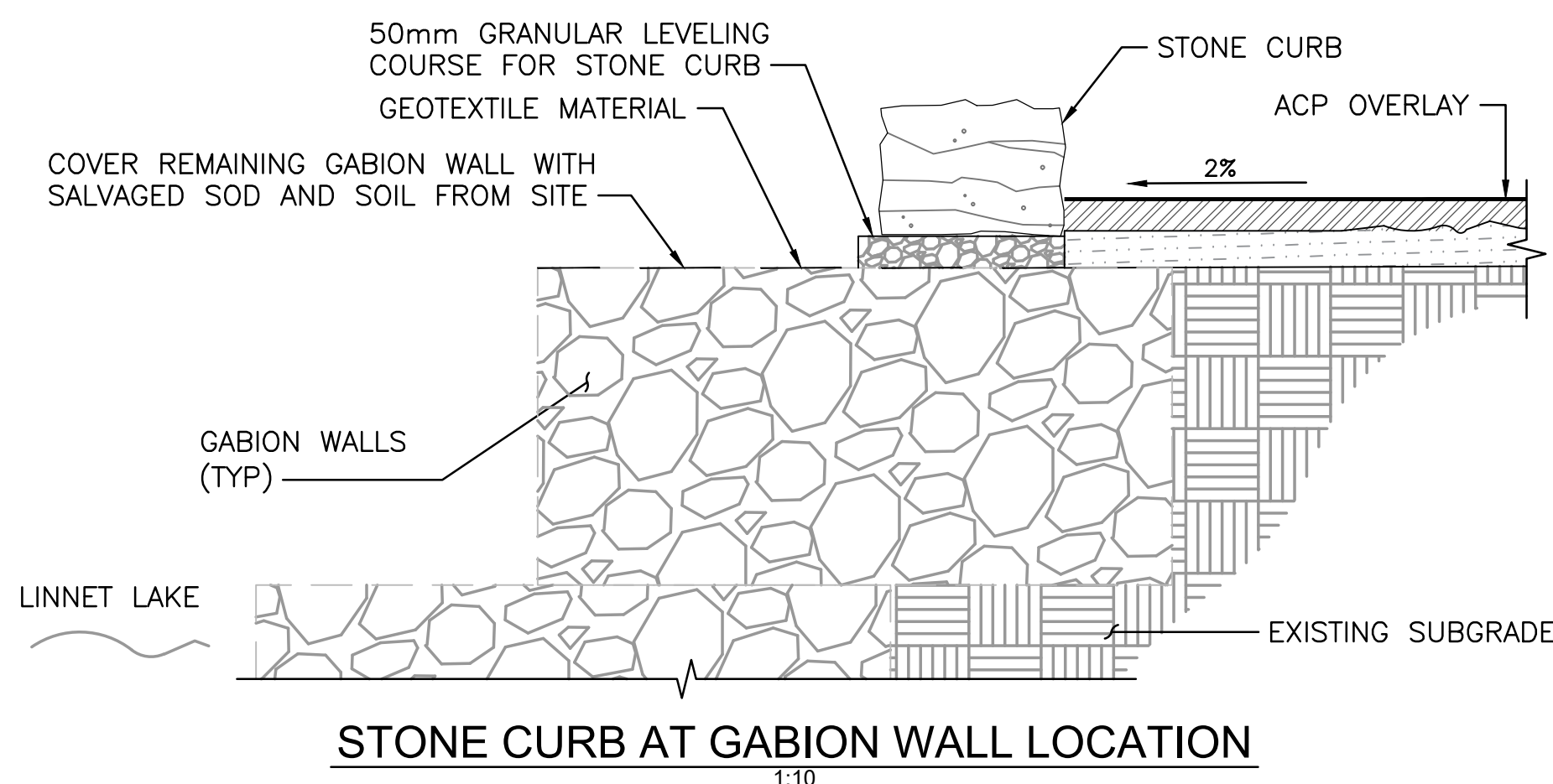


4 ROCK WATERBAR

6, 7, 10, 11
 REFERENCE: TRAIL AND BACK COUNTRY FACILITY DESIGN GUIDELINES 2008



- NOTES:**
- EXISTING BENCH AND TIMBER EDGING TO BE REMOVED FROM EACH LOCATION.
 - MATCH EXISTING PERIMETER FOR EACH BENCH AREA.



5 SEATING AREA IMPROVEMENTS

4, 5



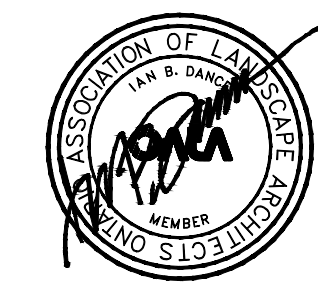
REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A	detail number du detail	A
B	source drawing no. de dessin no.	B/C
C	detail on drawing no. detail sur dessin no.	

project title	PRINCE OF WALES TRAIL IMPROVEMENTS		titre du projet
drawing title	PRINCE OF WALES AND LINNET LAKE LANDSCAPE DETAILS 3 OF 4		titre du dessin
designed by	I. DANCE	conçu par	
drawn by	S. NEZAFATI / E. BABALIS	dessiné par	
approved by	H. TROFANENKO	approuvé par	
PCA Project Manager	C. MARIOTTI	Administrateur de Projets APC	
scale	AS SHOWN	échelle	sheet
project no.	2051C	projet no.	15
date	JUNE 2019	date	OF 23



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B	source drawing no.	B
C	detail on drawing no.	C

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

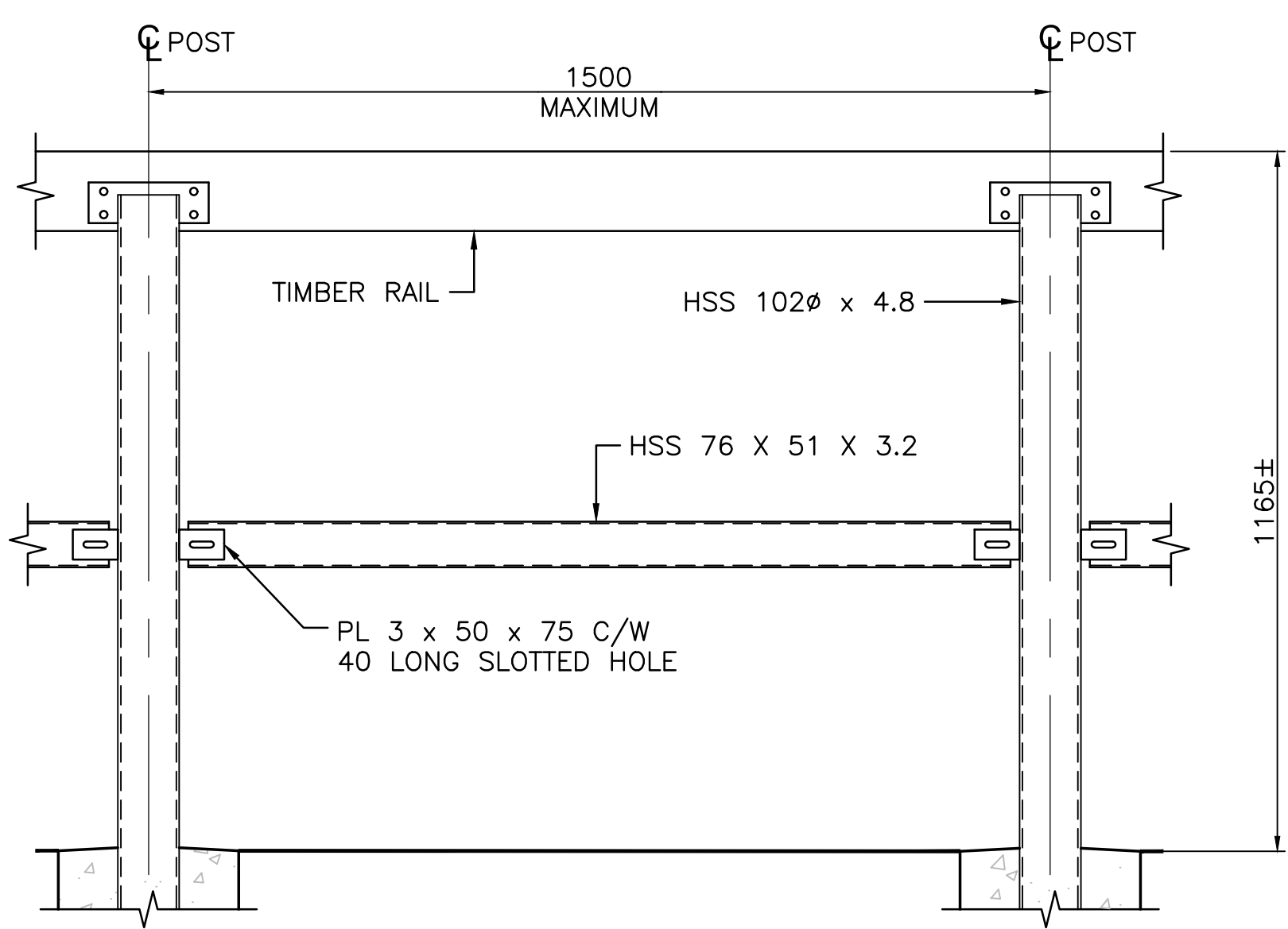
drawing title **PRINCE OF WALES AND LINNET LAKE** titre du dessin

LANDSCAPE DETAILS 4 OF 4

designed by **K. WILLIS** conçu par
 drawn by **A. HEWITT** dessiné par
 approved by **H. TROFANENKO** approuvé par
 PCA Project Manager **C. MARIOTTI** Administrateur de Projets APC

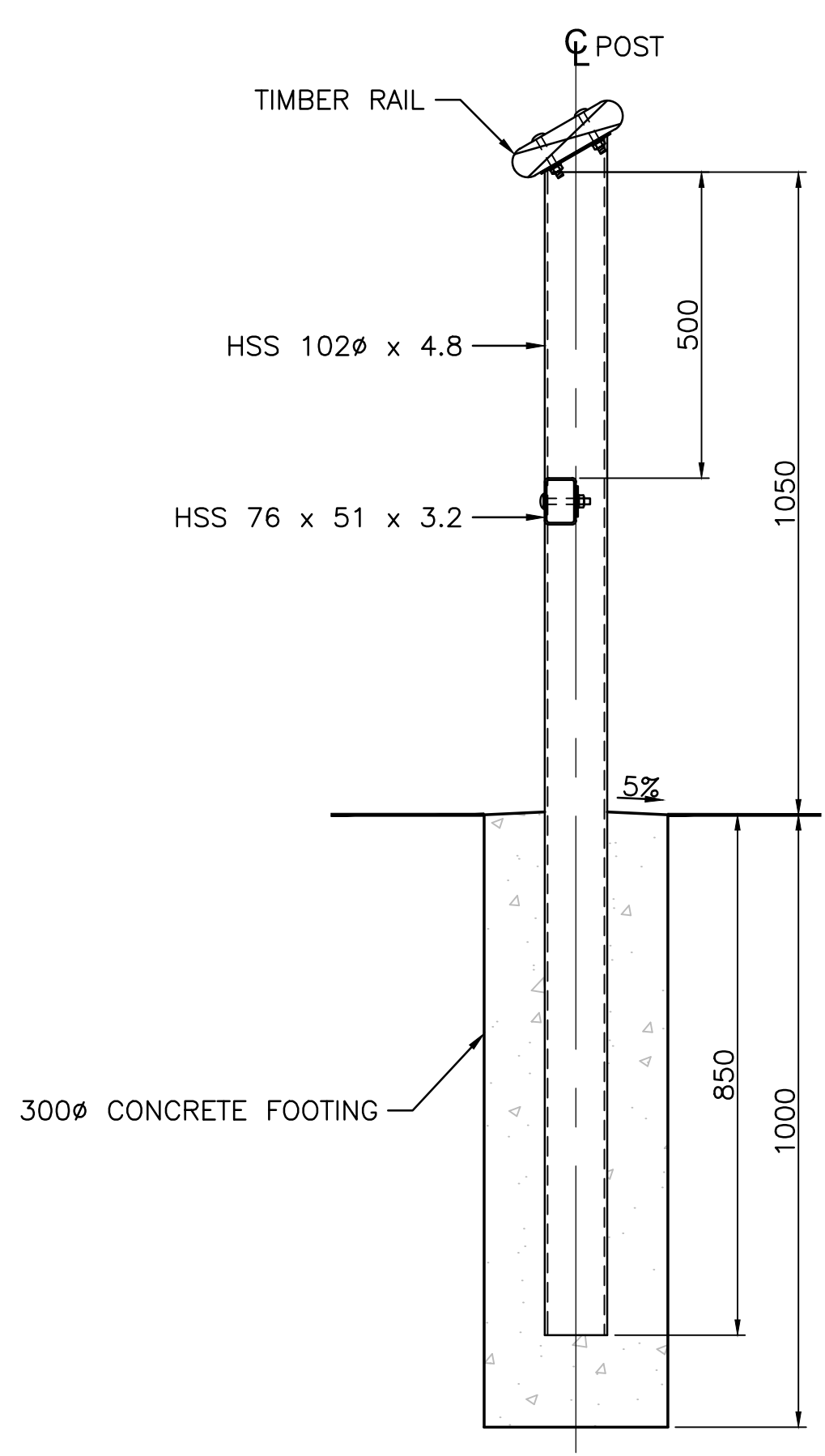
scale **AS SHOWN** échelle
 project no. **2051C** projet no.
 date **JUNE 2019** date

sheet **16** OF **23** feuille

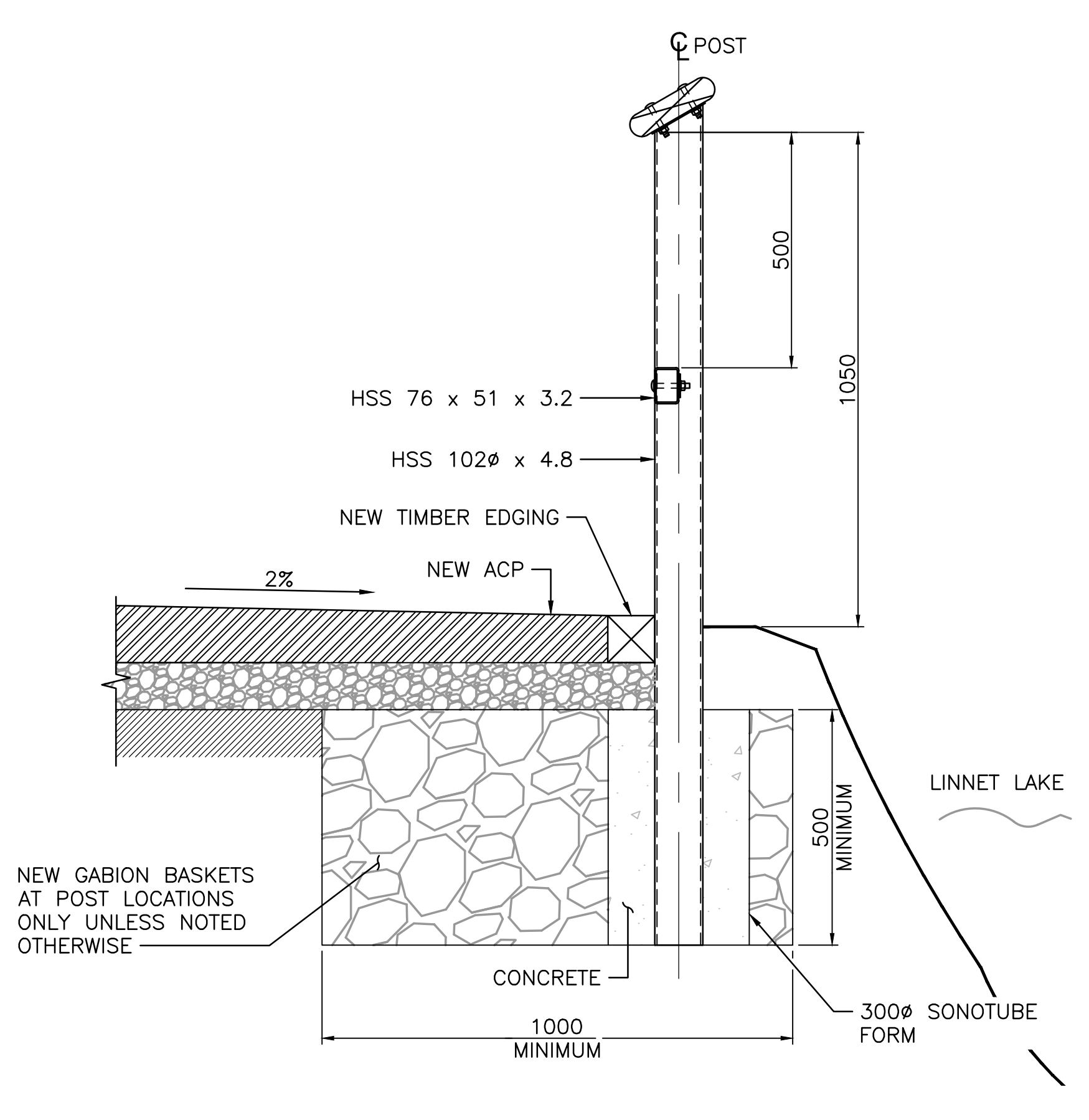


EXTERIOR ELEVATION

1 LINNET LAKE RAILING
1:10

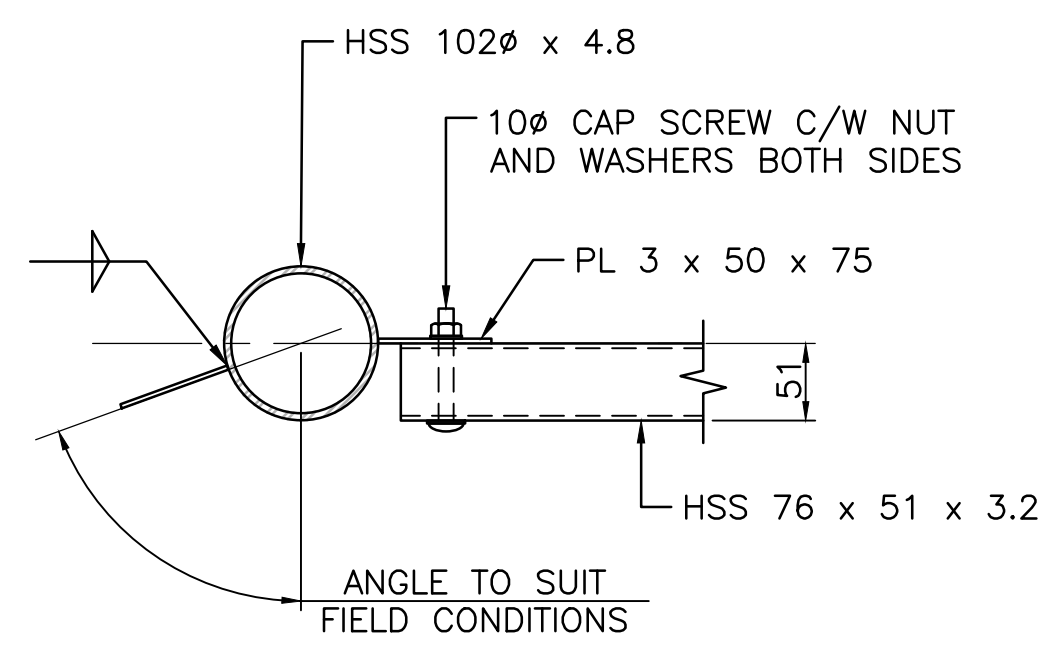


TYPICAL

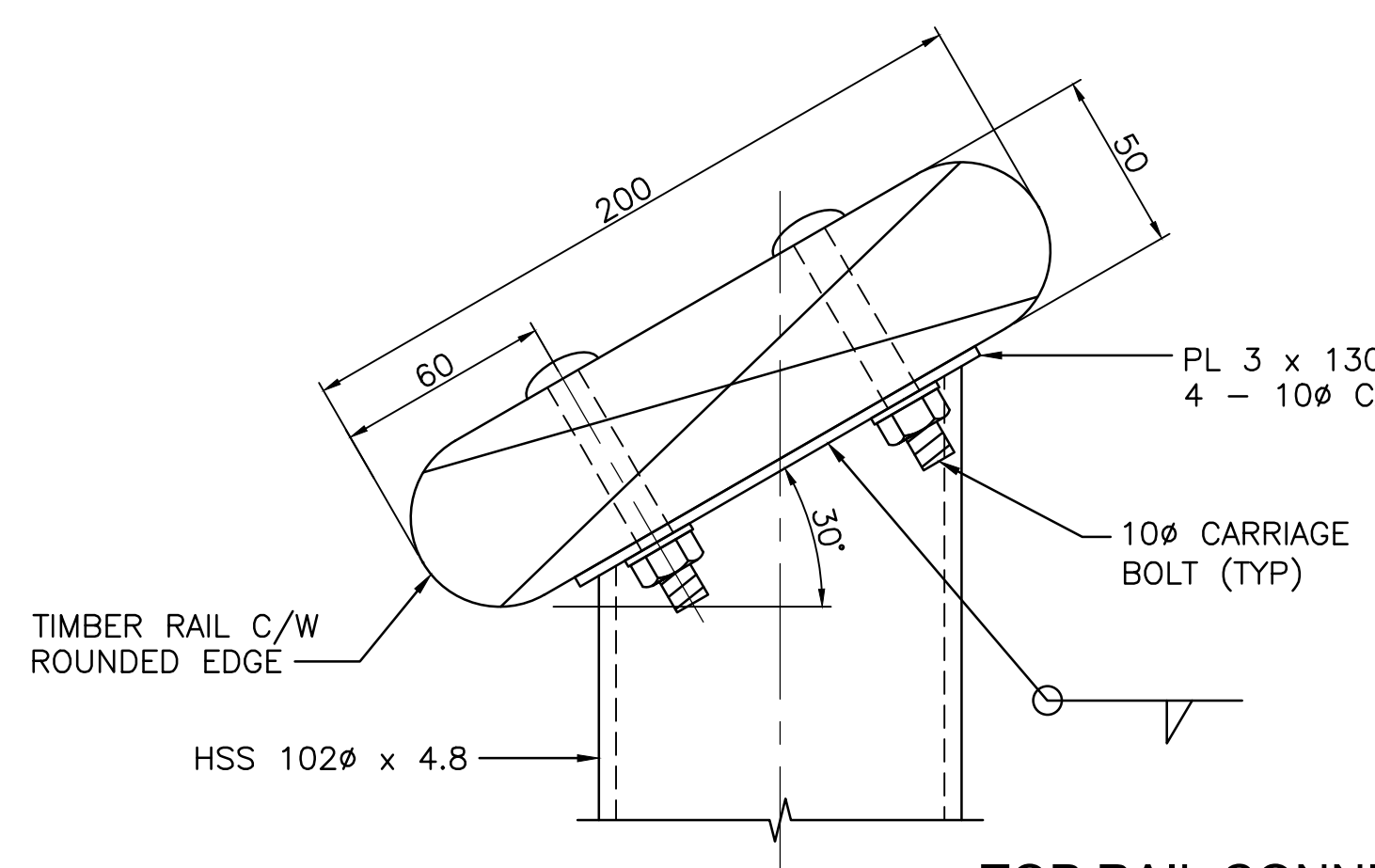


AT GABION WALLS

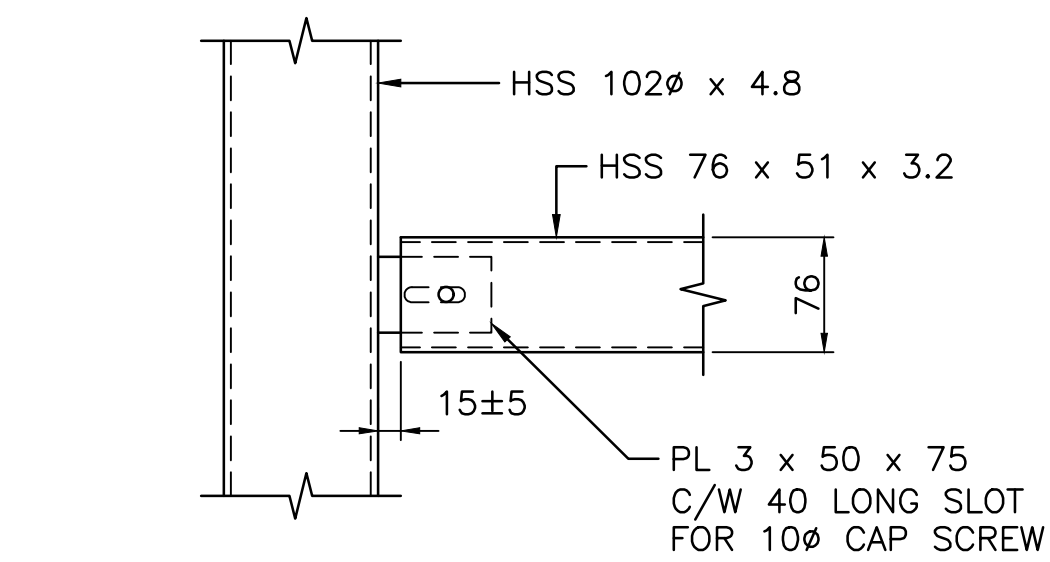
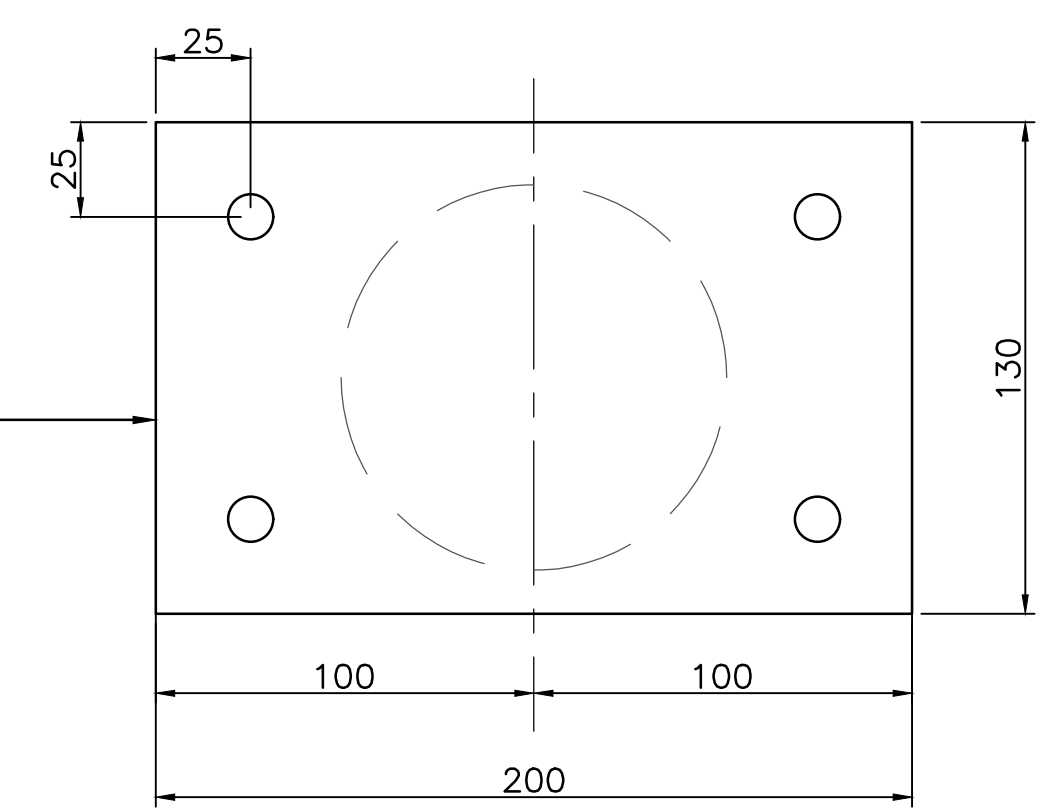
RAIL INSTALLATION DETAILS
1:10



PLAN



TOP RAIL CONNECTION DETAIL
1:2



ELEVATION

RAIL CONNECTION DETAIL
1:5

RAILING NOTES

GENERAL

1. CONFIRM ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR COMMENCING FABRICATION.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
4. ALL MATERIALS USED IN THE WORK SHALL BE NEW.

MATERIALS

1. STRUCTURAL STEEL SHALL BE ATMOSPHERIC CORROSION RESISTANT ("WEATHERING", "CORTEN", "COR-TEN") STEEL. GRADE 300A OR BETTER IN ACCORDANCE WITH CSA STANDARD G40.21, ASTM A606 TYPE 4, ASTM A588 OR APPROVED EQUIVALENT ONLY.
2. WELDING MATERIALS USED WITH STRUCTURAL STEEL SHALL BE SELECTED TO HAVE WEATHERING PROPERTIES THAT ARE SIMILAR TO THE SELECTED STEEL MATERIAL.

3. HEX-HEAD BOLTS, CARRIAGE BOLTS AND OTHER FASTENERS SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ASTM STANDARD F593 OR APPROVED EQUIVALENT ONLY.

4. TIMBER SHALL BE D.FIR-LARCH, NO. 1 OR BETTER IN CONFORMANCE WITH CSA STANDARD O141.

5. TIMBER DIMENSIONS ARE SPECIFIED IN MILLIMETERS AND ARE ACTUAL FINISHED DIMENSIONS, NOT NOMINAL DIMENSIONS.

6. TIMBER RAILS SHALL BE FREE OF SLIVERS AND SANDED SMOOTH TO THE PROFILE SHOWN.

FABRICATION

1. FOUNDATION SHOWN MAY BE REPLACED AT THE OPTION OF THE CONTRACTOR WITH DIRECT DRIVING AND EMBEDMENT OF THE POSTS.
2. TOP RAIL CONNECTION SHOWN IS SUITABLE FOR LOCATIONS WHERE THE VERTICAL AND HORIZONTAL ALIGNMENT IS TANGENT ACROSS THE POST. CONTRACTOR TO PROPOSE SIMILAR DETAIL FOR USE AT LOCATIONS WHERE ALIGNMENT VARIES.



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- LEGEND**
- LIMIT OF WORK
 - ACP OVERLAY TRAIL
 - NEW ACP TRAIL
 - TYPICAL TRAIL IMPROVEMENT
 - NEW TRAIL ALIGNMENT
 - NEW CROWNED TRAIL
 - NEW CONCRETE SIDEWALK
 - NEW EXPOSED AGGREGATE CONCRETE PAVING
 - ABANDONED TRAIL REHABILITATION
 - EXISTING BRAIDED TRAIL TO REMAIN
 - NEW DRAINAGE DEPRESSION
 - NEW ROCK WATERBAR
 - EXISTING TREE TO BE PROTECTED
 - NEW FLAGSTONE PAVING
 - TRAIL EDGE RECLAMATION
 - CURB SIGNAGE
 - NEW WAYFINDING SIGN

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	B source drawing no.	
	de dessin no.	
	C detail on drawing no.	
	detail sur dessin no.	

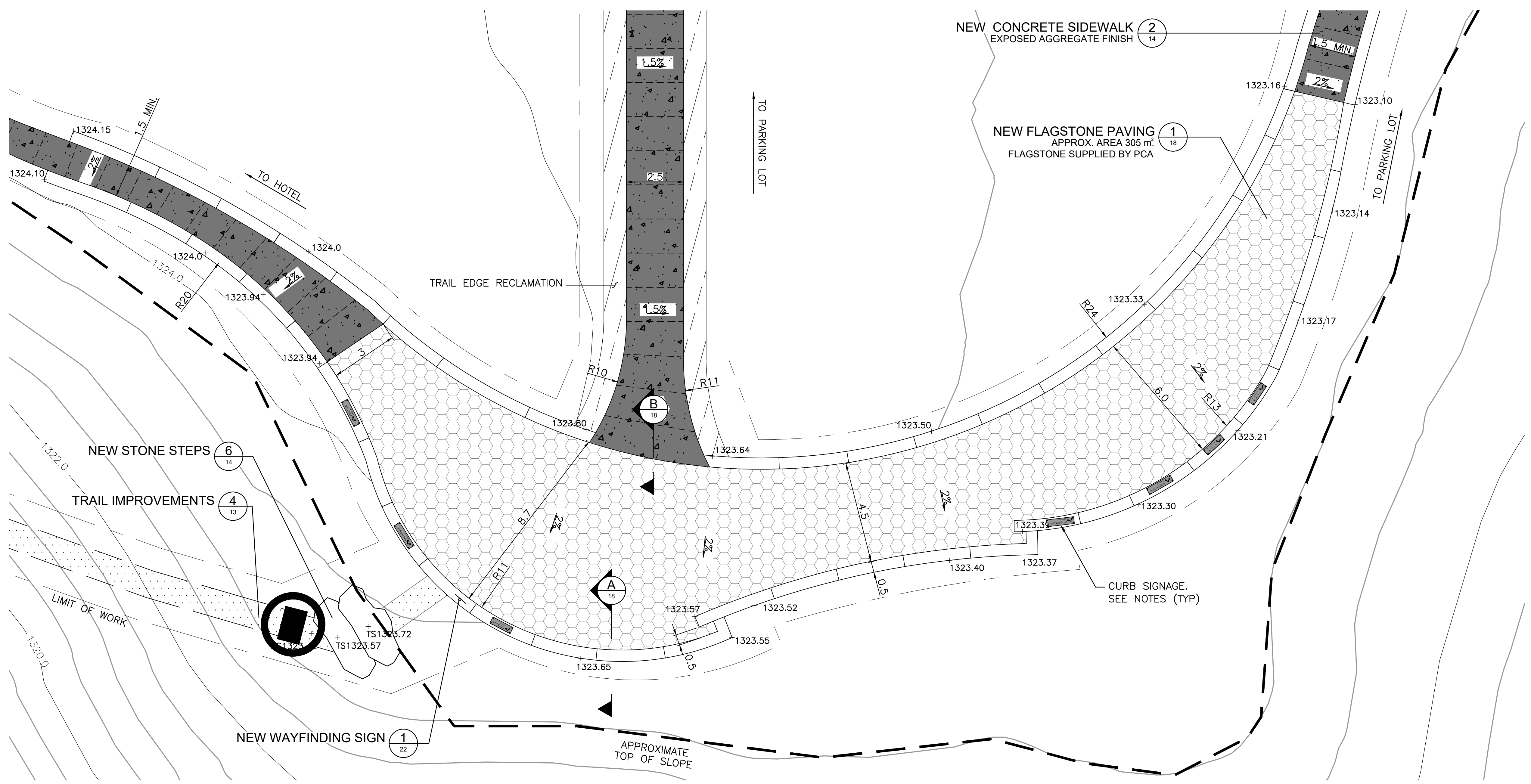
project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title **PRINCE OF WALES AND LINNET LAKE LOOKOUT AREA PLAN** titre du dessin

designed by **I. DANCE** conçu par
 drawn by **S. NEZAFATI / E. BABALIS** dessiné par
 approved by **H. TROFANENKO** approuvé par
 PCA Project Manager **C. MARIOTTI** Administrateur de Projets APC

scale **AS SHOWN** échelle
 project no. **2051C** projet no.
 date **JUNE 2019** date

sheet **17** feuille
 OF 23



LOOKOUT AREA PLAN
1:100

GENERAL

- SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING PROPOSED ARRANGEMENT OF EXPANSION AND CONTROL JOINTS, IN BOTH THE CONCRETE SLAB AND THE FLAGSTONE PAVING.
- JOINT LOCATIONS IN THE SLAB SHALL BE MAINTAINED IN THE FLAGSTONE PAVING.
- SURFACE DRAINAGE OF THE SLAB IS CRITICAL TO THE SUCCESSFUL LONG TERM PERFORMANCE OF THE FLAGSTONE PAVING.
 - AFTER THE SLAB IS COMPLETE, AND BEFORE THE DRAINAGE LAYER IS APPLIED, CONFIRM POSITIVE DRAINAGE OF THE ENTIRE AREA BY FLOODING THE SURFACE WITH WATER.
 - IF PONDING IS OBSERVED, CORRECT THE SURFACE IN THESE AREAS USING METHODS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
 - RETEST UNTIL NO PONDING IS OBSERVED.

SIGNAGE

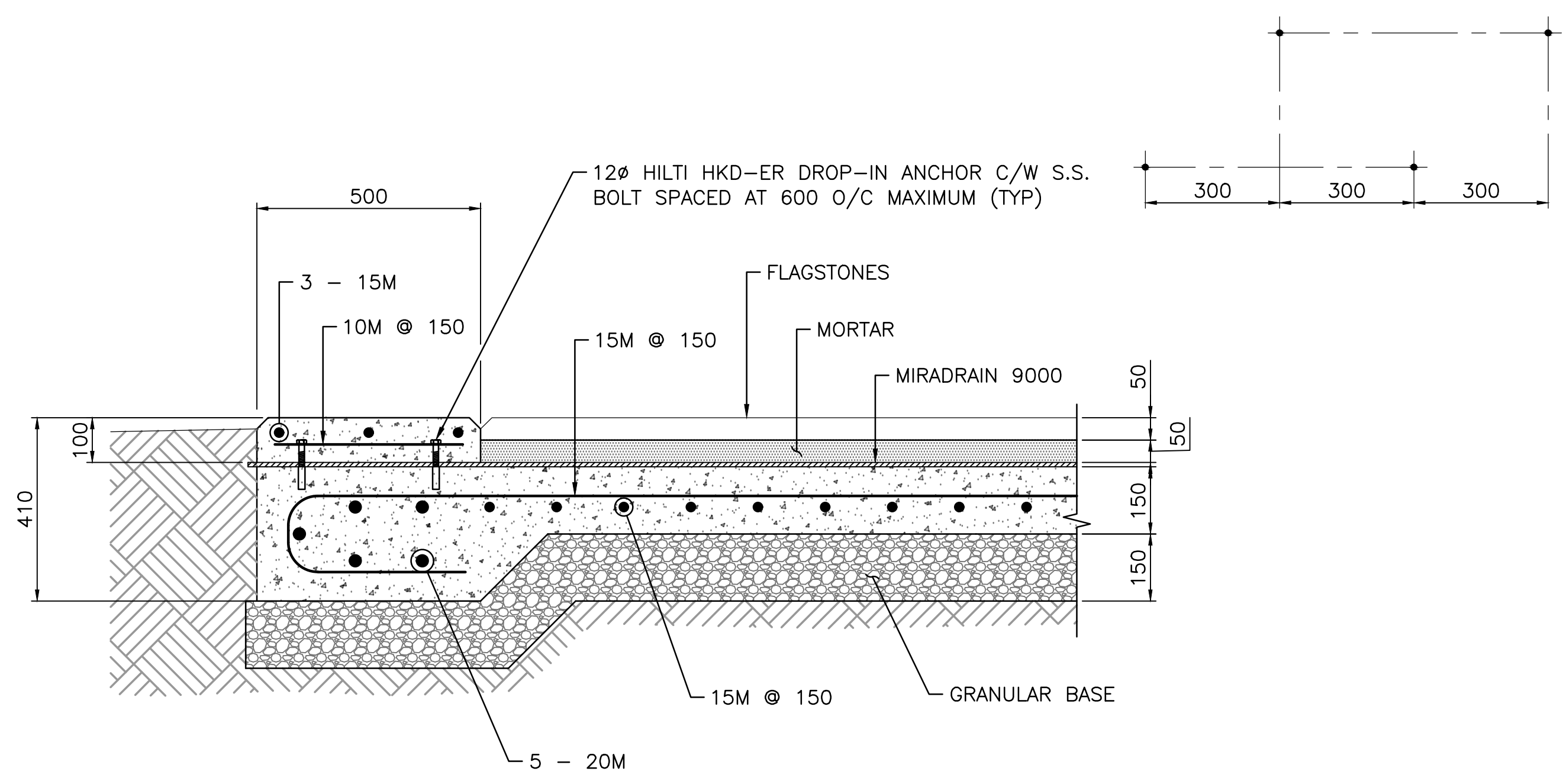
- CURB SIGNAGE SHALL BE AS FOLLOWS:
 - INDIVIDUAL CAST BRONZE LETTERS, NUMBERS AND SYMBOLS, 10 mm THICK, ORBITAL FINISH, WAXED.
 - FIRST ROW OF TEXT 150 mm IN HEIGHT, SECOND ROW OF TEXT 100 mm IN HEIGHT.
 - FONT SHALL BE HELVETICA NEUE CND BOLD.
 - EACH CHARACTER SHALL BE SUPPORTED BY A MINIMUM OF 3 – 6 mm STAINLESS STEEL THREADED RODS ANCHORED MINIMUM 50 mm INTO CONCRETE BELOW.

- SUBMIT DETAILED SHOP DRAWINGS SHOWING THE METHOD(S) PROPOSED TO KEEP LETTERS FIRMLY IN POSITION DURING CONCRETE PLACEMENT.
- PRODUCE A SAMPLE PANEL OF DIMENSIONS SIMILAR TO THE CURB SECTIONS AND INCLUDING A MINIMUM OF 3 CHARACTERS ON EACH LINE OF TEXT.
- MAKE CHANGES AS NECESSARY FOLLOWING REVIEW OF THE SAMPLE PANEL BY THE DEPARTMENTAL REPRESENTATIVE.
- ONCE APPROVED, THE SAMPLE PANEL SHALL BE THE BASIS OF ACCEPTANCE FOR THE FINISHED SIGNAGE.
- EIGHT SIGNS ARE REQUIRED AS FOLLOWS. IN ADDITION TO THE LETTERING INDICATED, EACH FIRST LINE REQUIRES AN ARROW SYMBOL (DETAILS TO BE DETERMINED) ALIGNED TO POINT DIRECTLY TOWARDS THE RELEVANT PEAK.

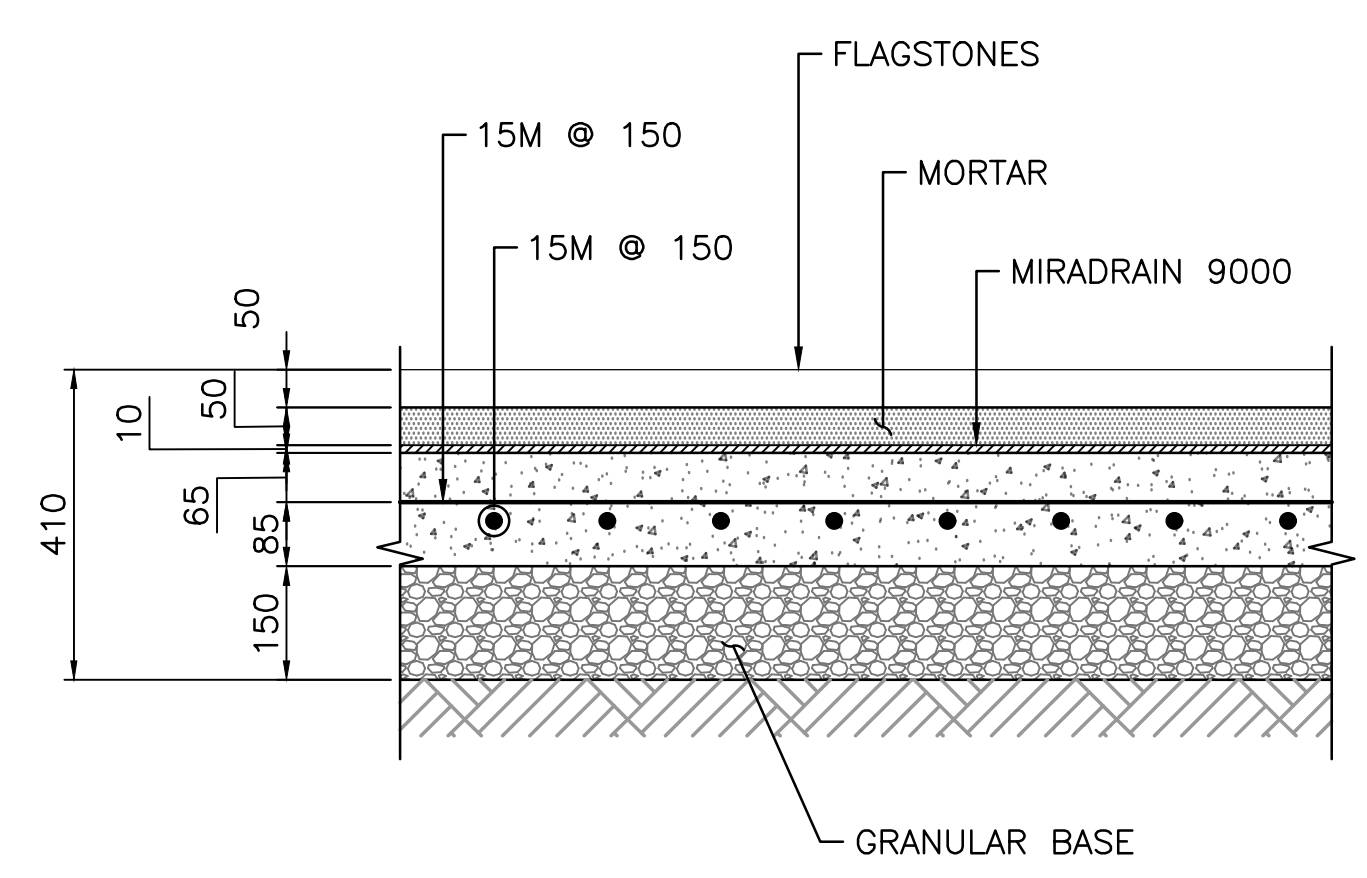
BERTHA	CLEVELAND	RICHARDS
2440 m	3190 m	2416 m
CITADEL	BOSEWELL	VIMY
2474 m	2439 m	2379 m
SOFA	CRANDELL	
2515 m	2378 m	



Client
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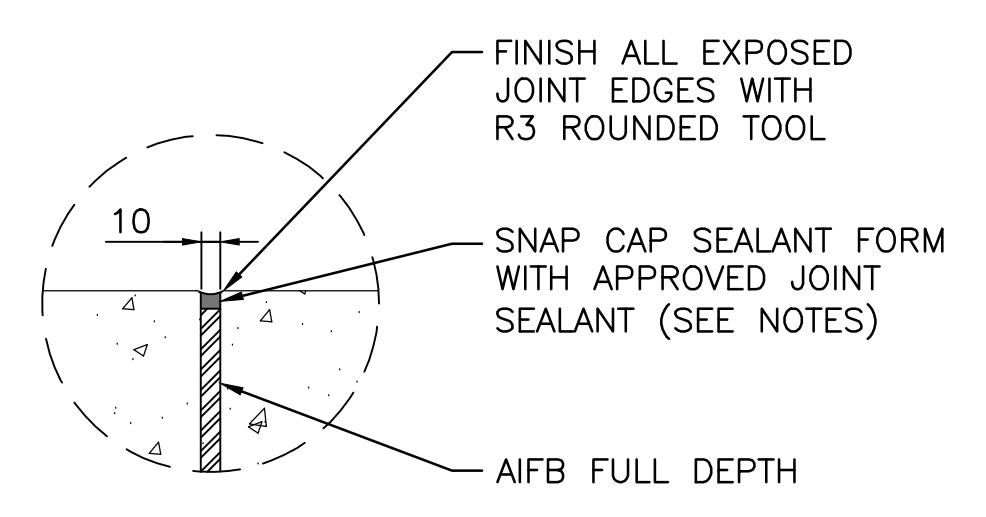


TYPICAL CURB SECTION
1:10

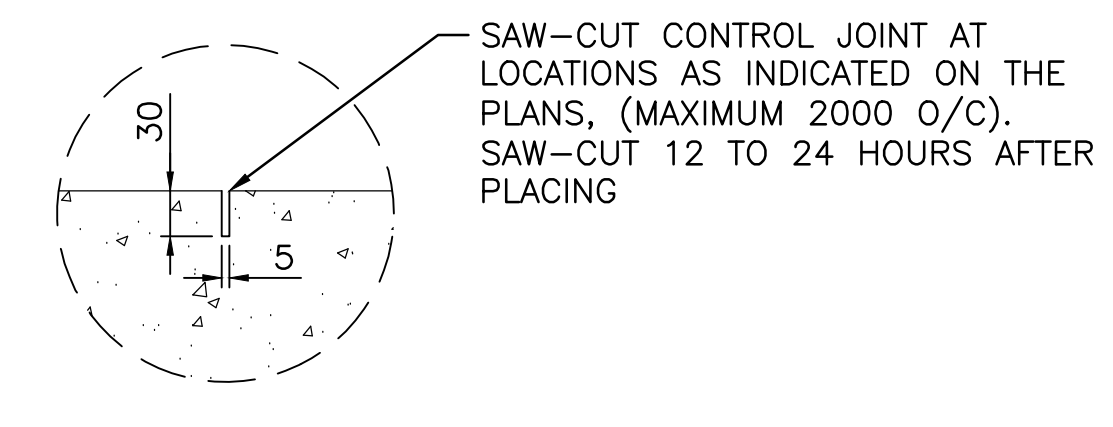


TYPICAL SLAB SECTION
1:10

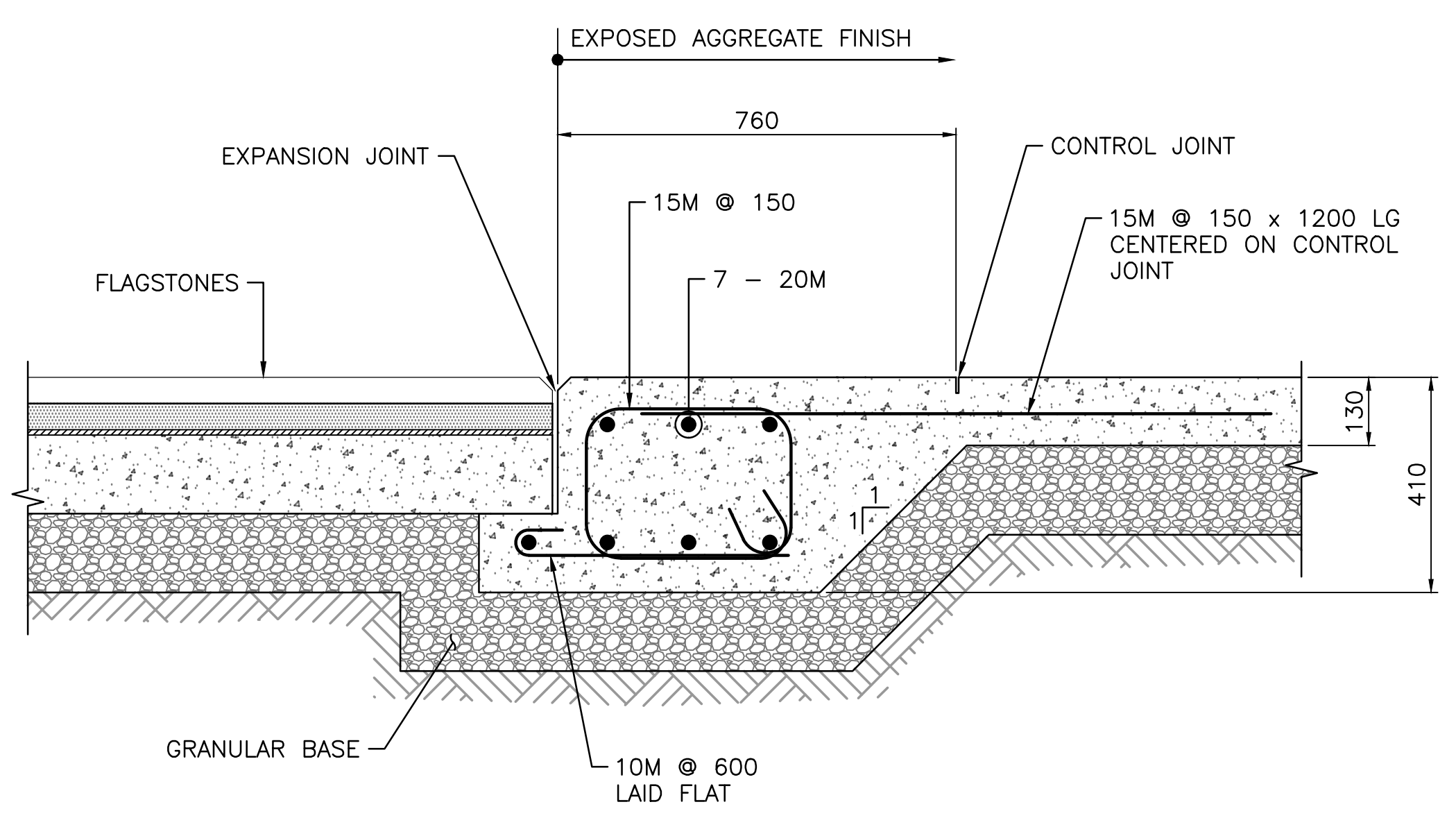
A FLAGSTONE PAVING AND CONCRETE CURB DETAILS
17 1:10



EXPANSION JOINT
1:5



CONTROL JOINT
1:5



B SECTION
17 1:10

REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A detail number number du detail
 B source drawing no. de dessin no.
 C detail on drawing no. detail sur dessin no.

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title **PRINCE OF WALES AND LINNET LAKE** titre du dessin

LOOKOUT AREA DETAILS

designed by **I. DANCE** conçu par
 drawn by **S. NEZAFATI / E. BABALIS** dessiné par
 approved by **H. TROFANENKO** approuvé par
 PCA Project Manager **C. MARIOTTI** Administrateur de Projets APC

scale **AS SHOWN** échelle
 project no. **2051C** projet no.
 date **JUNE 2019** date







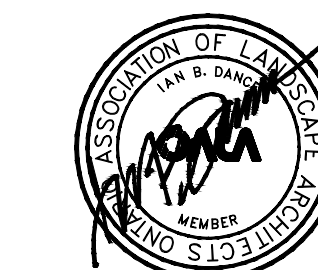
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PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST

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Client
 Client



- LEGEND**
-  TRAILHEAD SIGNAGE
SEE 3/SHEET 21
 -  WAYFINDING SIGN
SEE 2/SHEET 21
 -  CURB SIGNAGE
SEE SHEET 17
 -  HIKING SIGN
SEE 4/SHEET 21



REVISIONS	DESCRIPTION	DATE
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	de dessin no.	
	C detail on drawing no.	
	detail sur dessin no.	









project title
PRINCE OF WALES TRAIL IMPROVEMENTS titre du projet

drawing title
SIGNAGE titre du dessin
SIGNAGE PLAN 1 OF 5

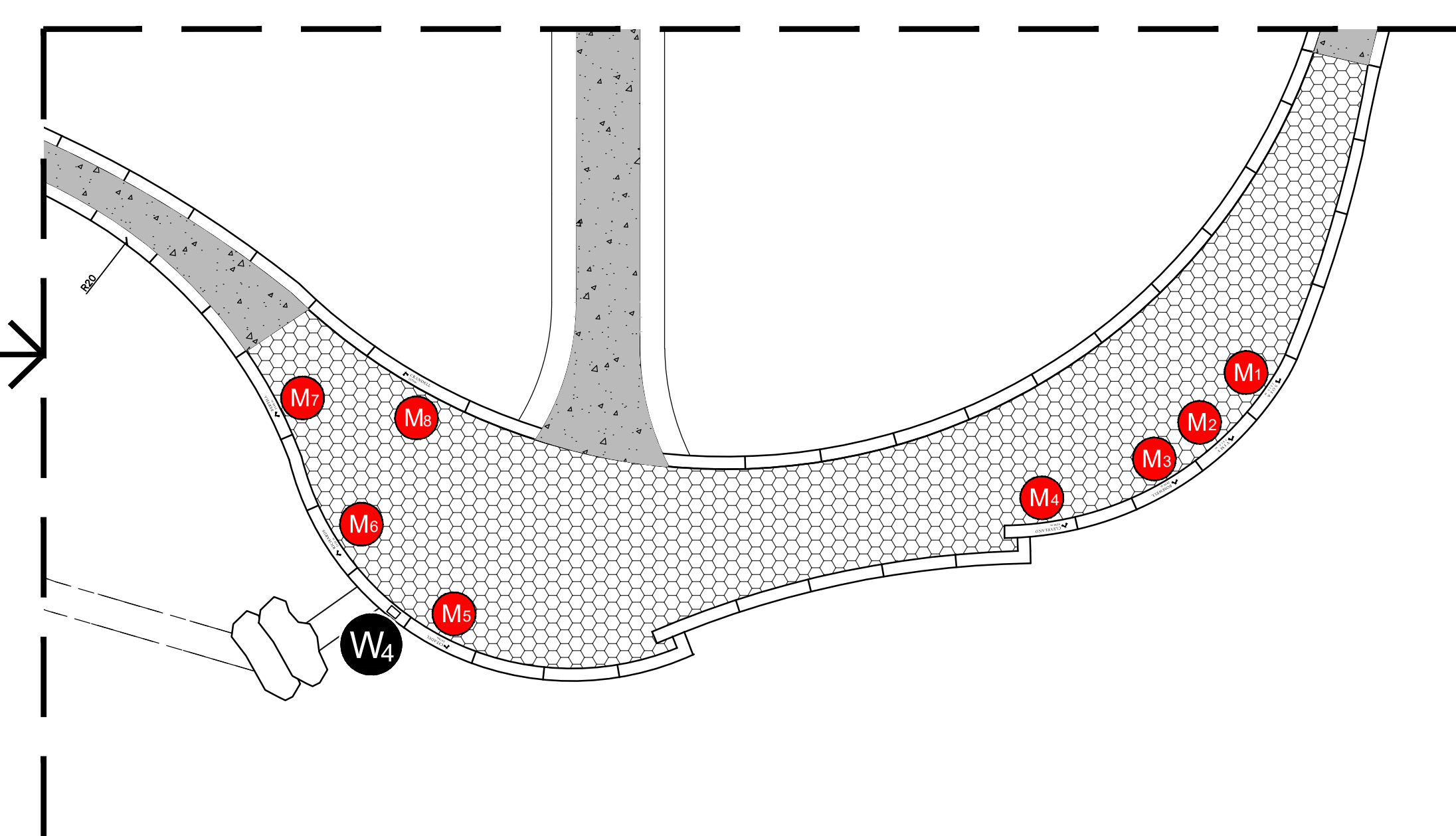
designed by I. DANCE conçu par
 drawn by S. NEZAFATI / E. BABALIS dessiné par
 approved by H. TROFANENKO approuvé par
 PCA Project Manager C. MARIOTTI Administrateur de Projets APC
 scale 1:2000 échelle sheet 19 OF 23
 project no. 2051C projet no.
 date JUNE 2019 date



SIGNAGE PLAN
1:2000

NAME/DESCRIPTION	SYMBOL
SOFA CURB SIGNAGE	
VIMY CURB SIGNAGE	
BOSEWELL CURB SIGNAGE	
CLEVELAND CURB SIGNAGE	
CITADEL CURB SIGNAGE	
RICHARDS CURB SIGNAGE	
BERTHA CURB SIGNAGE	
CRANDELL CURB SIGNAGE	

CURB SIGNAGE SCHEDULE



LOOKOUT AREA ENLARGEMENT
1:200



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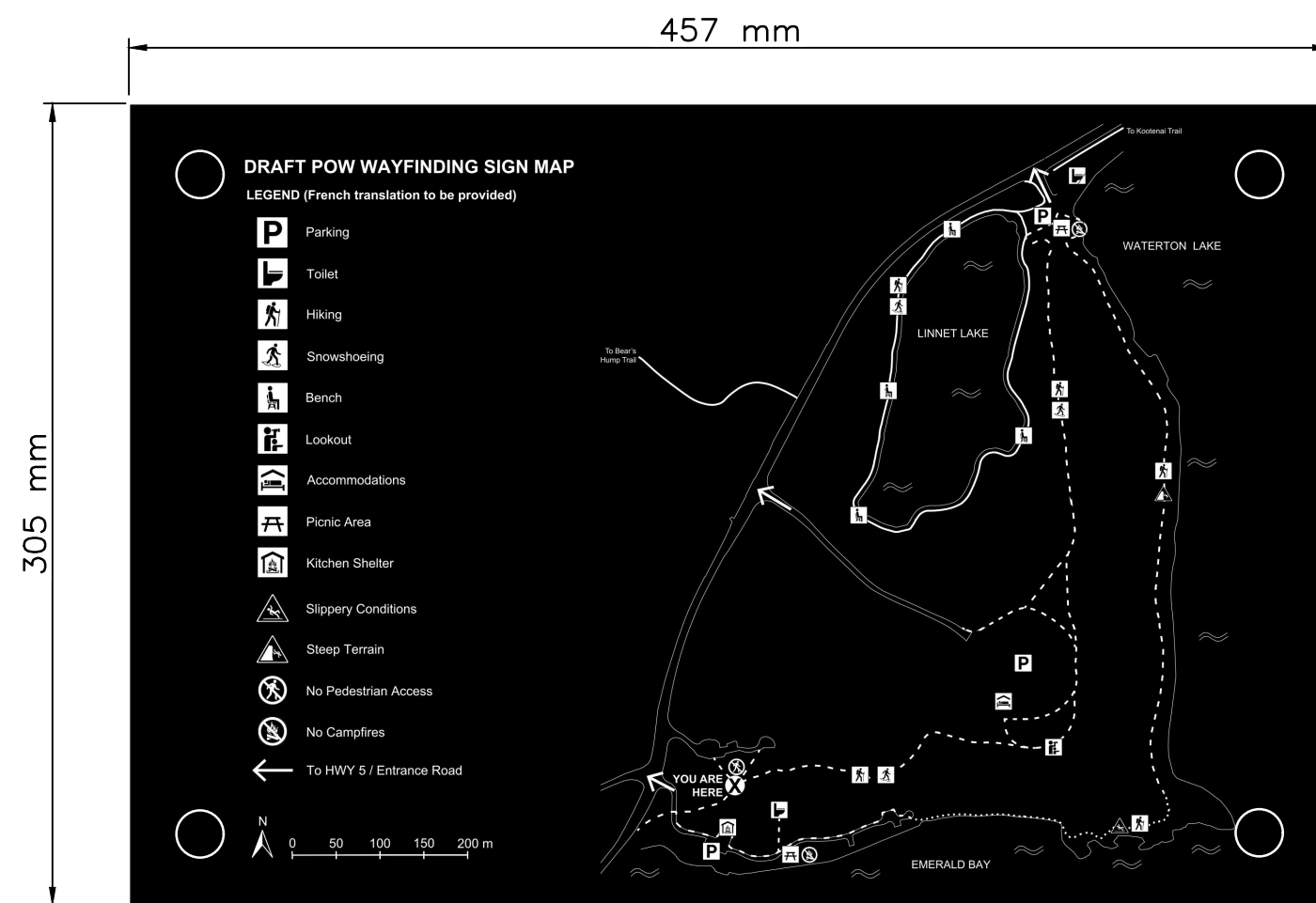
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B	B source drawing no. de dessin no.	B
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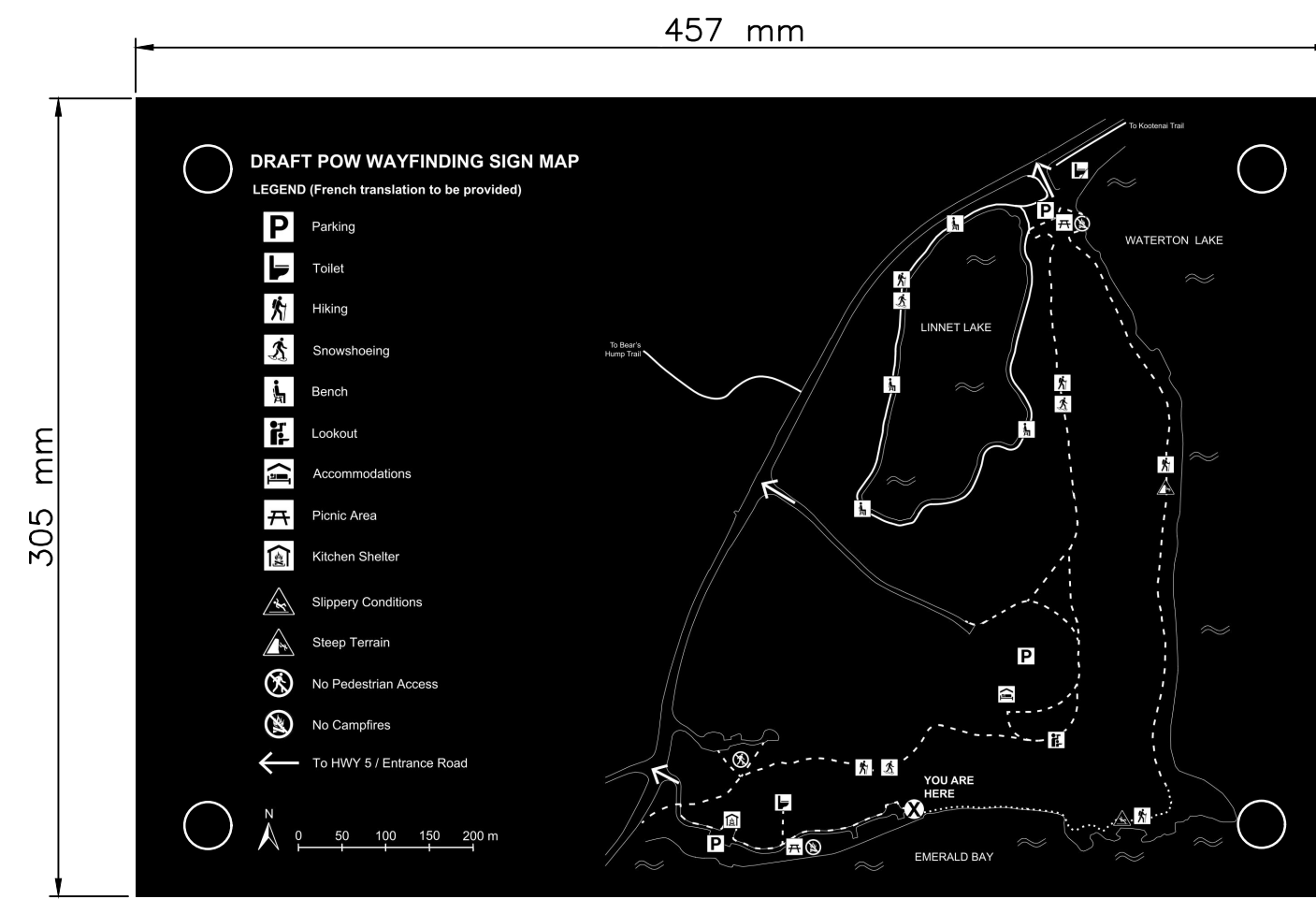
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drawing title: **SIGNAGE** titre du dessin
SIGNAGE WAYFINDING 2 OF 5

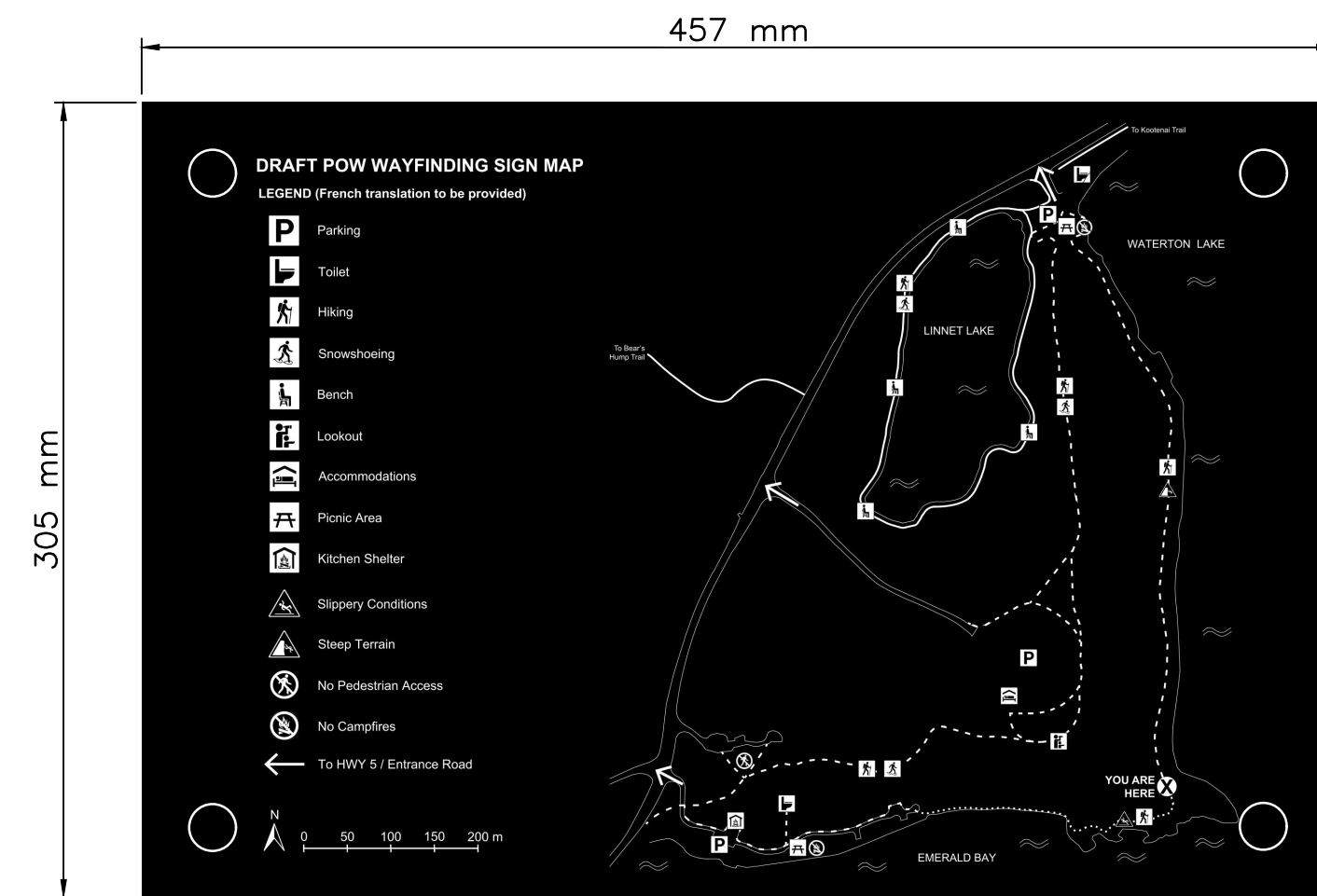
designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H.TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets APC
scale	AS SHOWN	échelle
project no.	2051C	projet no.
date	JUNE 2019	date
		sheet
		feuille
		20
		OF 23



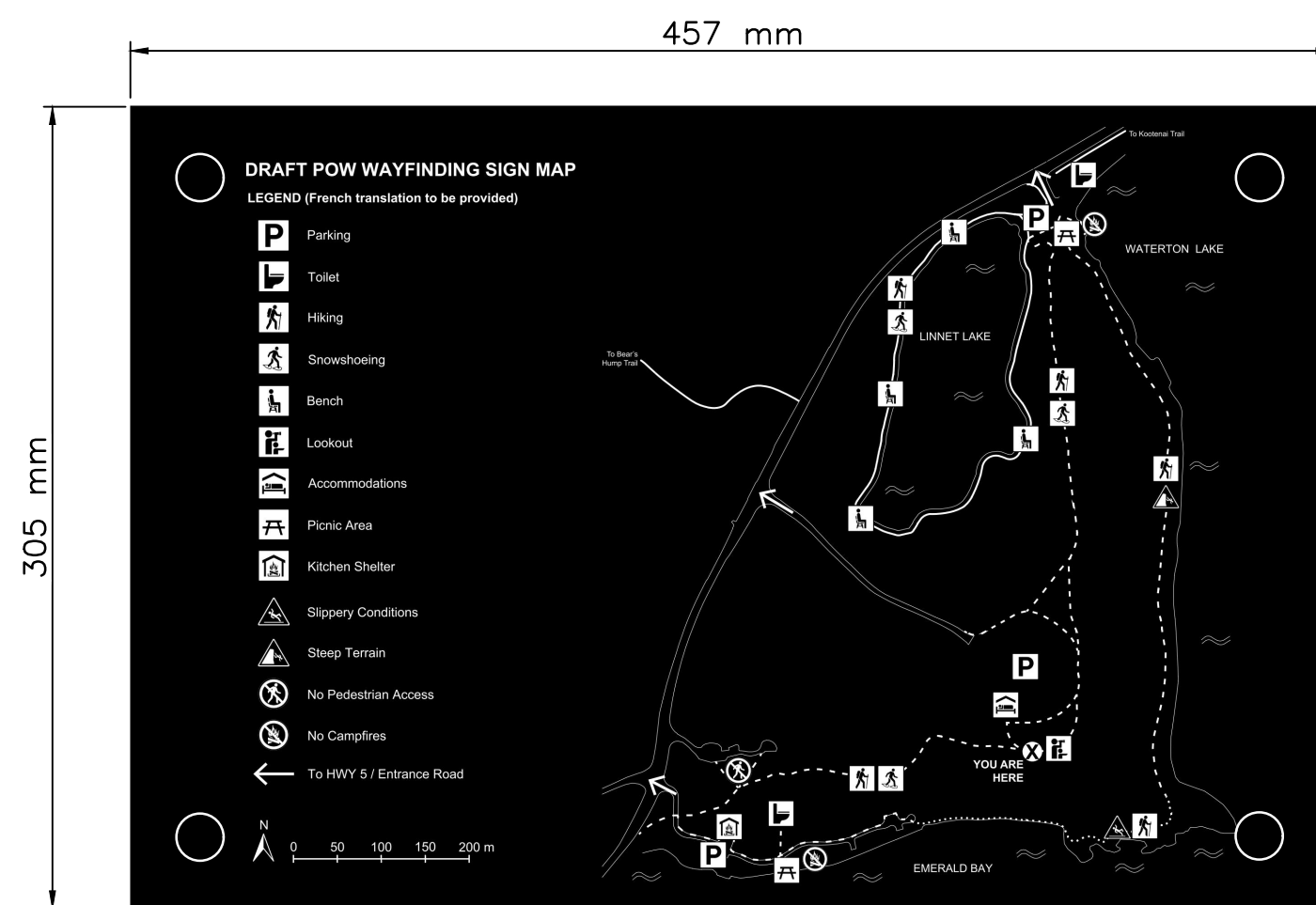
W1 WAYFINDING SIGN 1
NTS



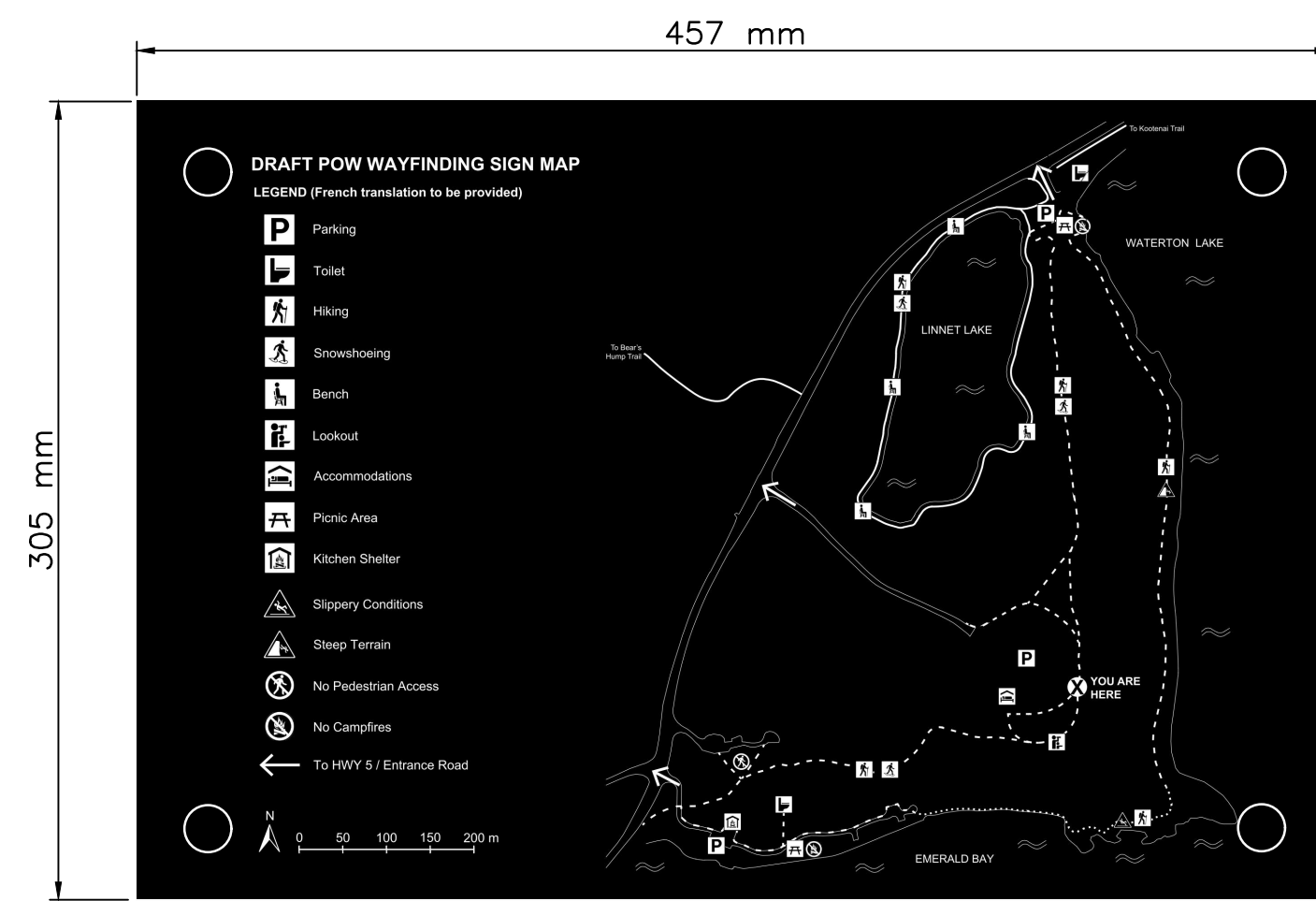
W2 WAYFINDING SIGN 2
NTS



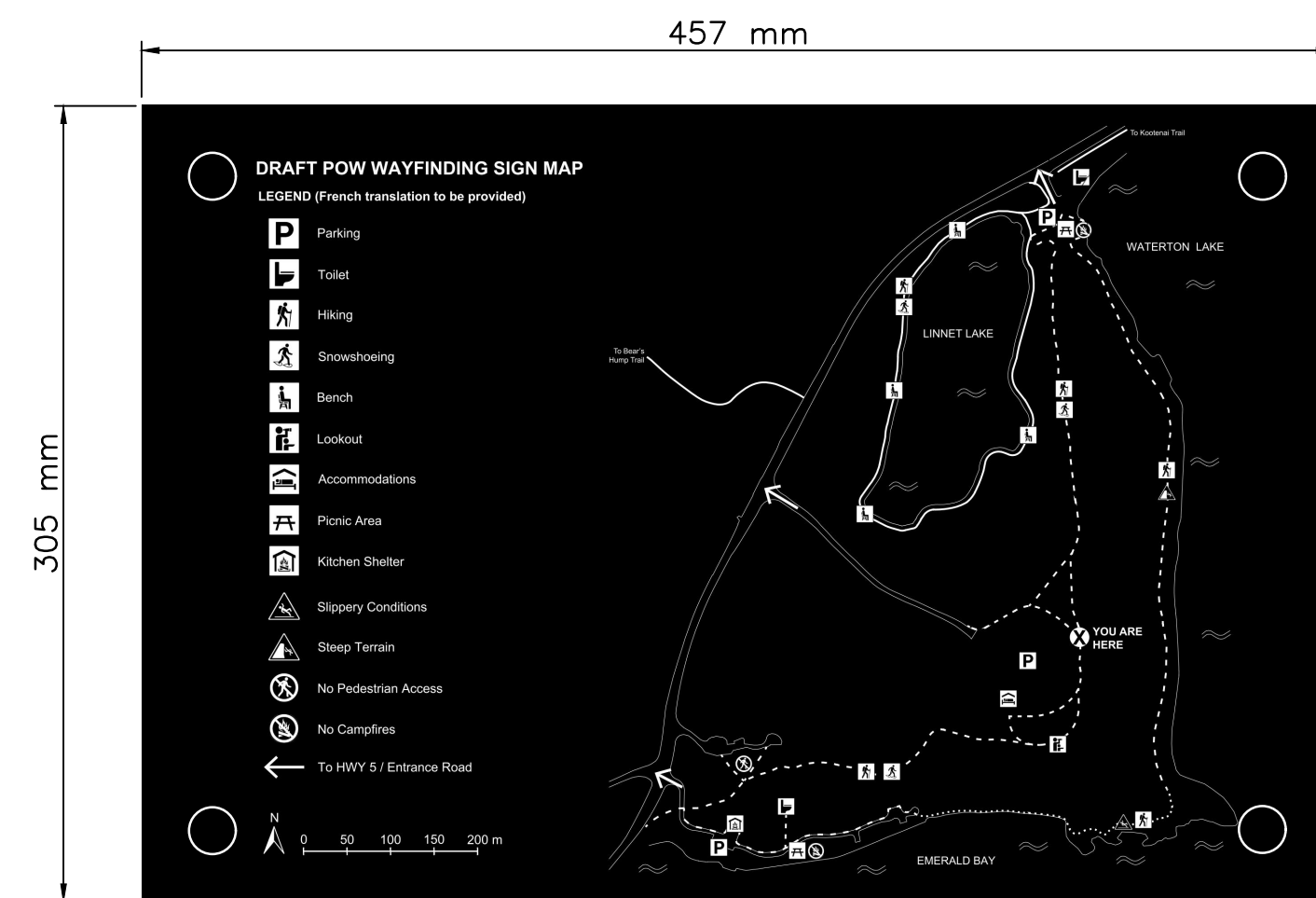
W3 WAYFINDING SIGN 3
NTS



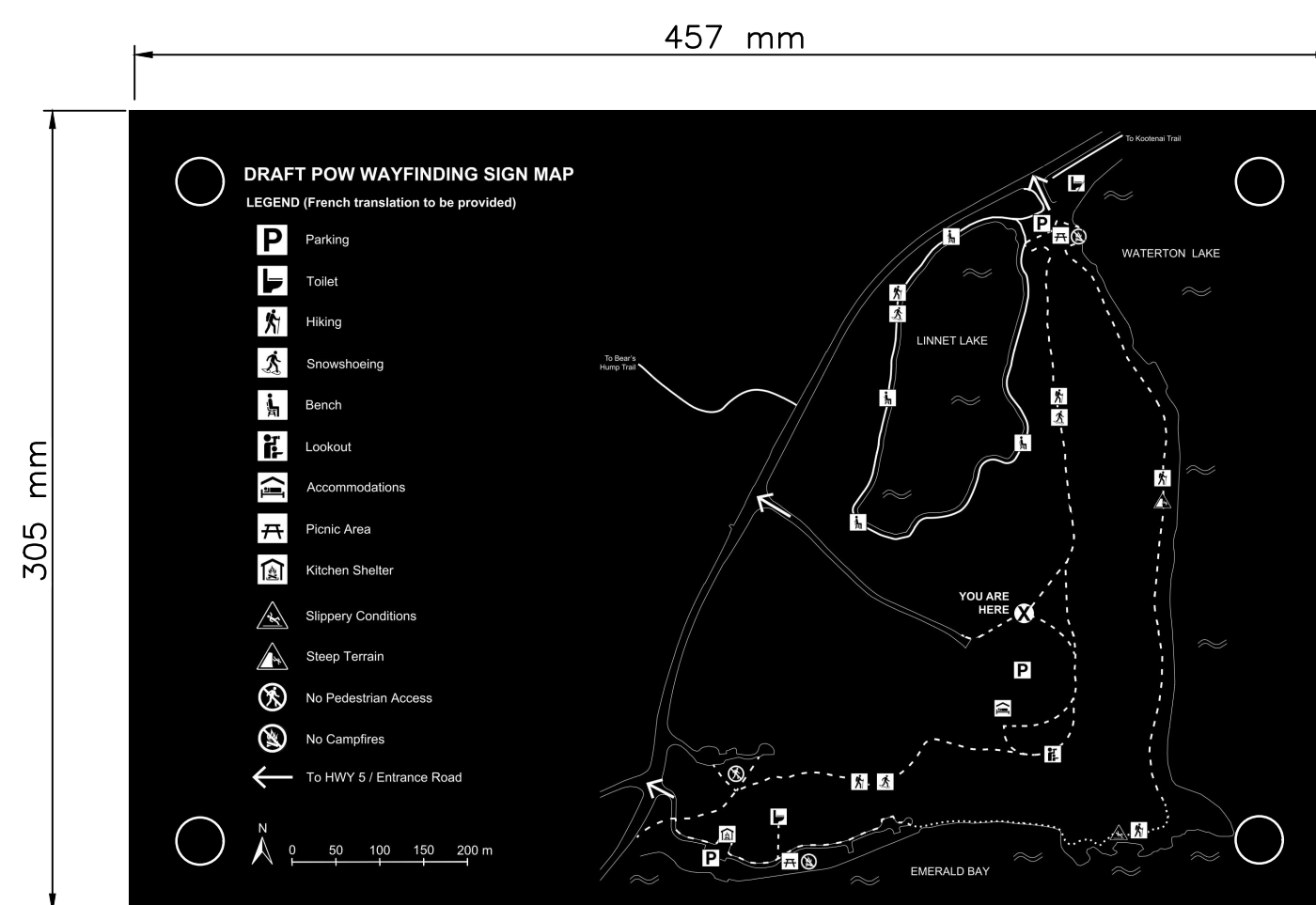
W4 WAYFINDING SIGN 4
NTS



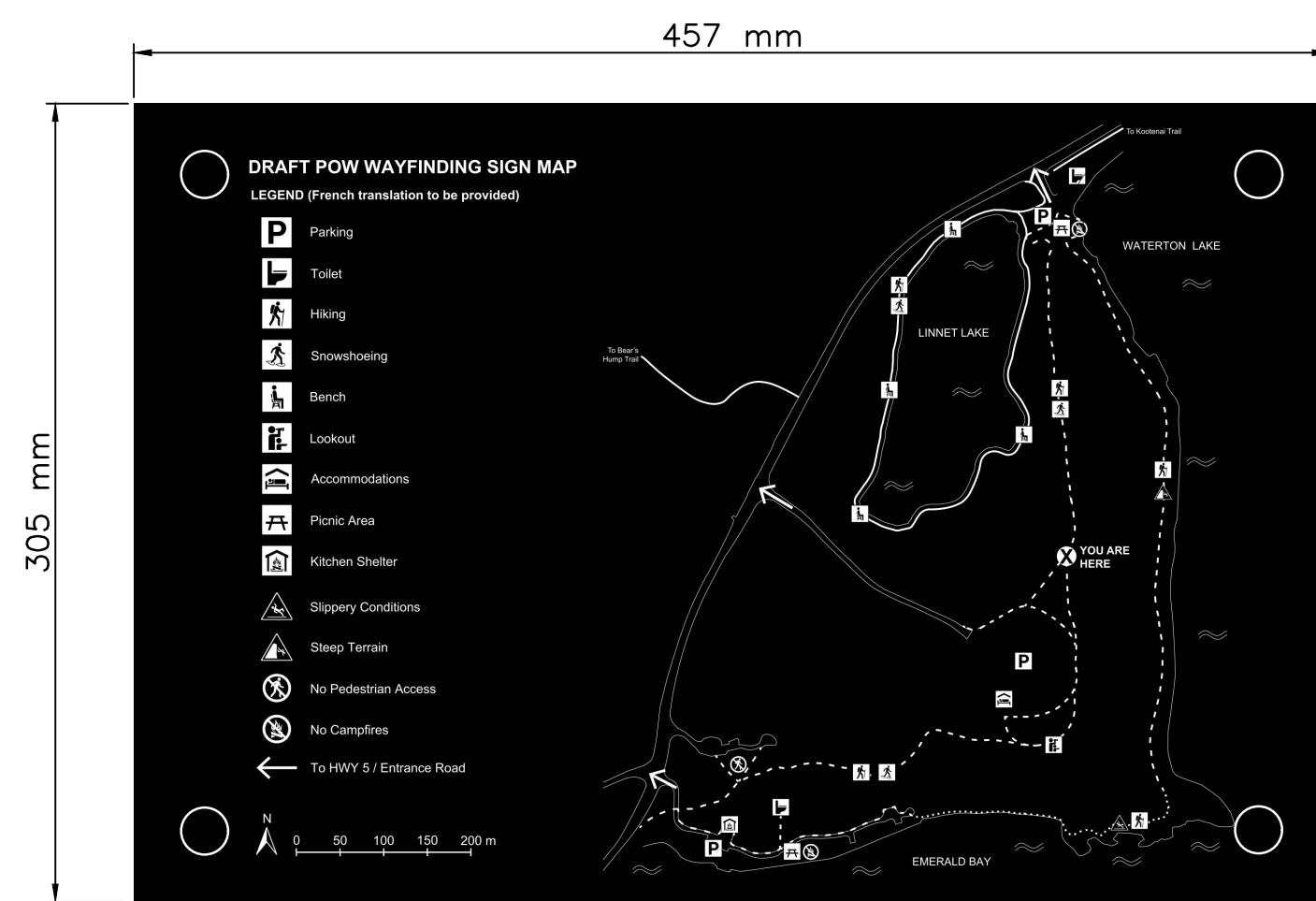
W5 WAYFINDING SIGN 5
NTS



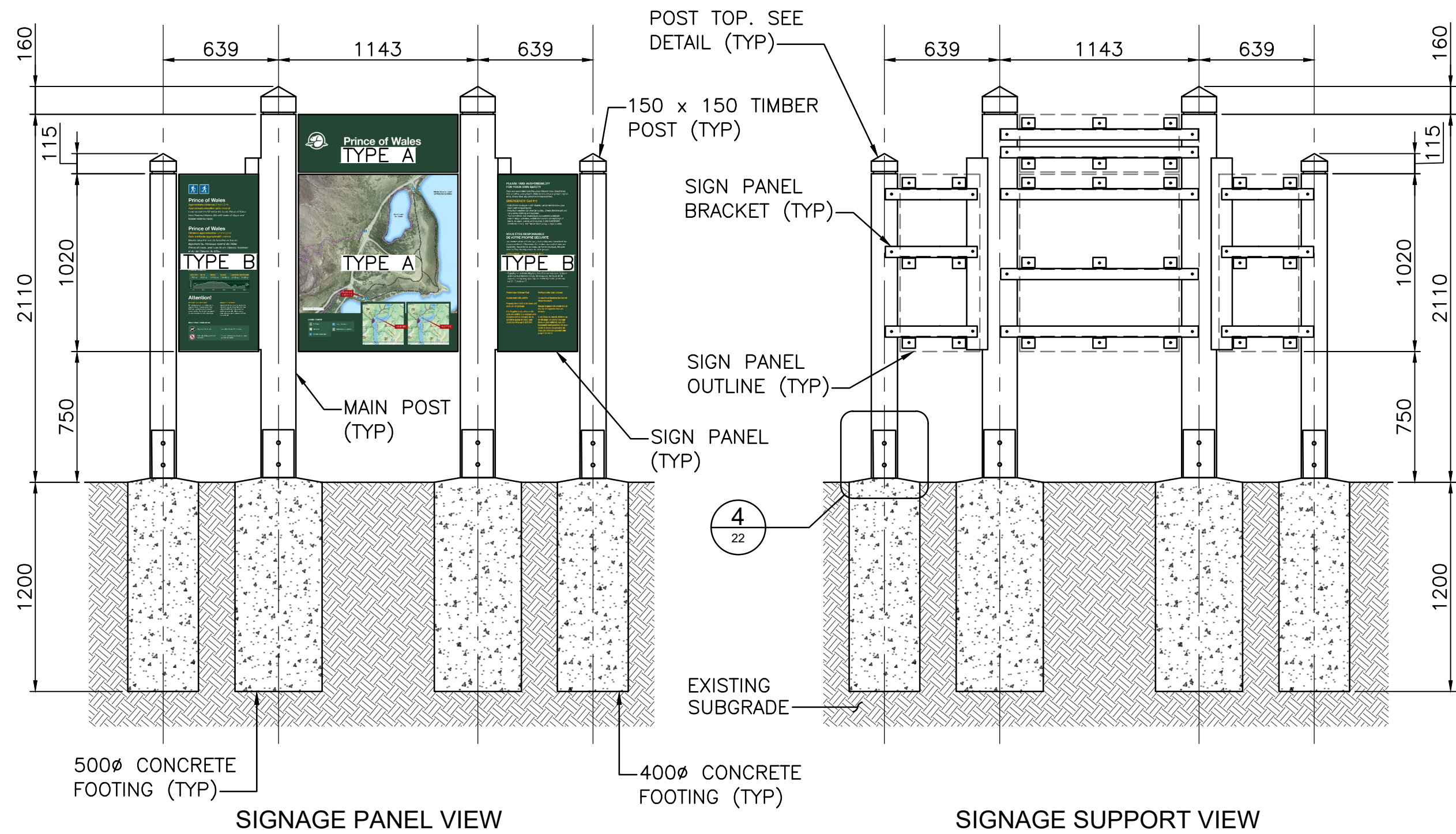
W6 WAYFINDING SIGN 6
NTS



W7 WAYFINDING SIGN 7
NTS



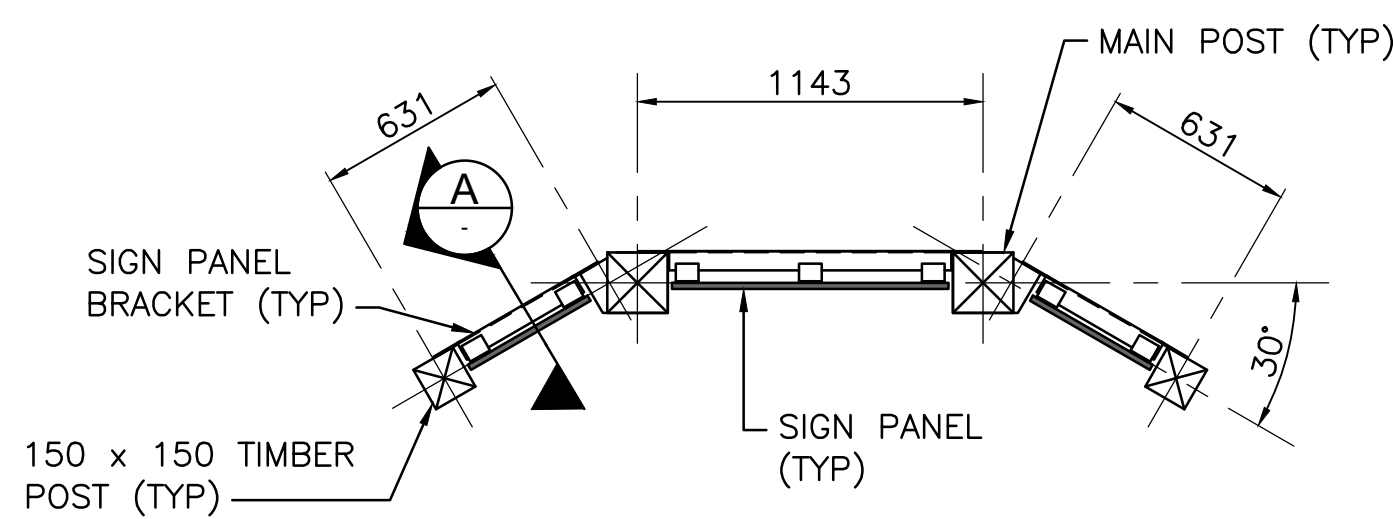
W8 WAYFINDING SIGN 8
NTS



SIGNAGE PANEL VIEW

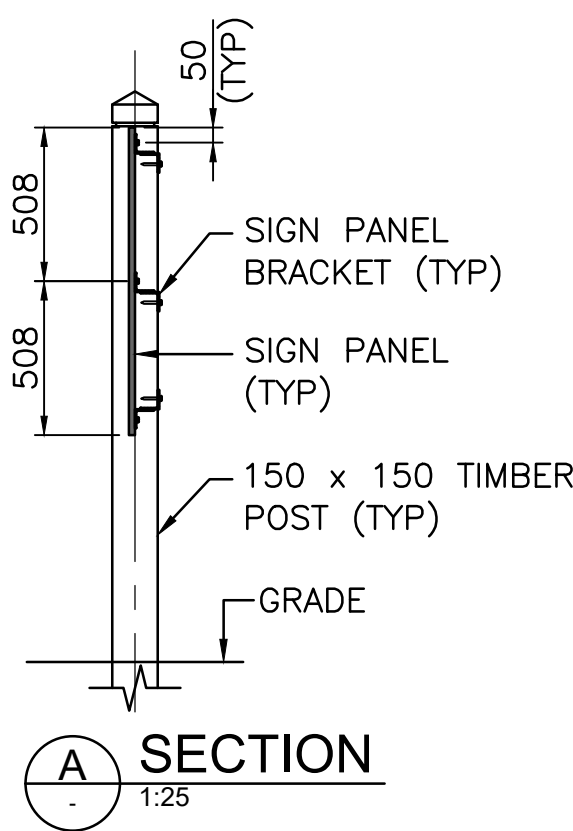
SIGNAGE SUPPORT VIEW

1 TRAILHEAD TYPE 1 - STANDARD TRAILHEAD CONFIGURATION
23 1:25

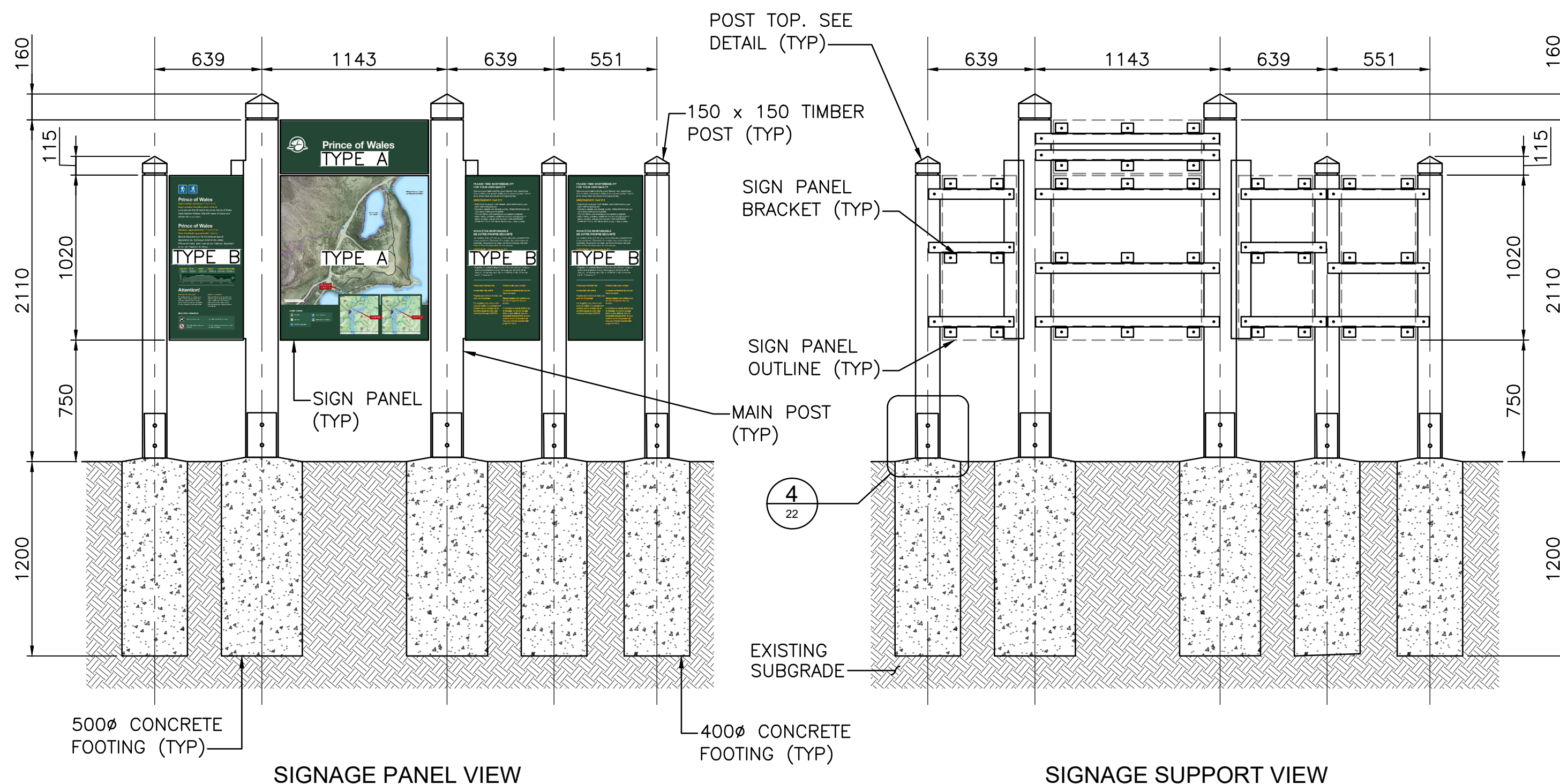


TYPICAL TRAILHEAD PLAN
1:25

*TYPE 1 SHOWN, TYPE 2 SIMILAR



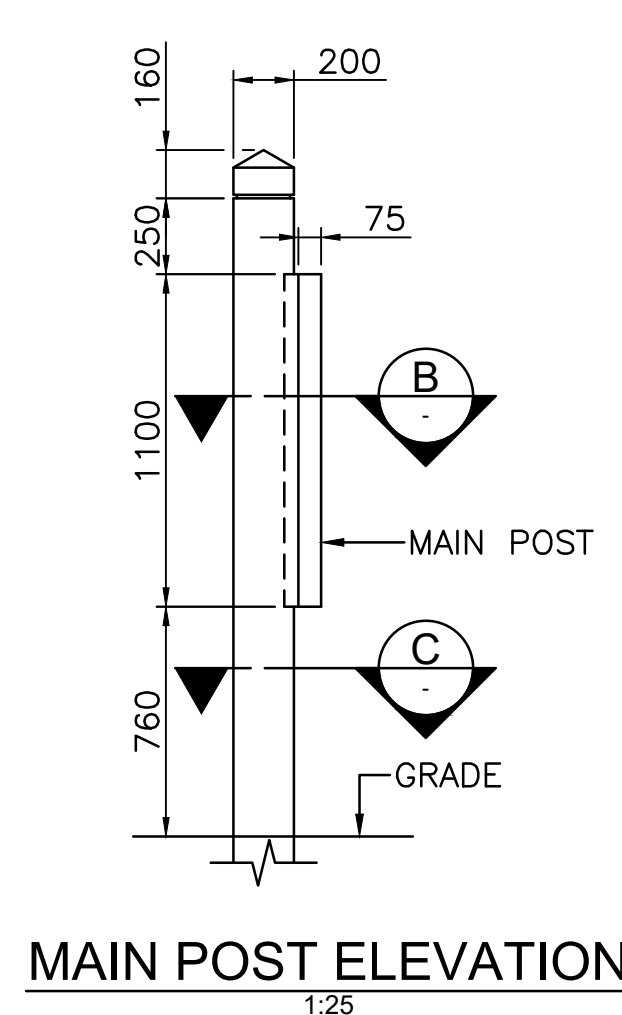
A SECTION
1:25



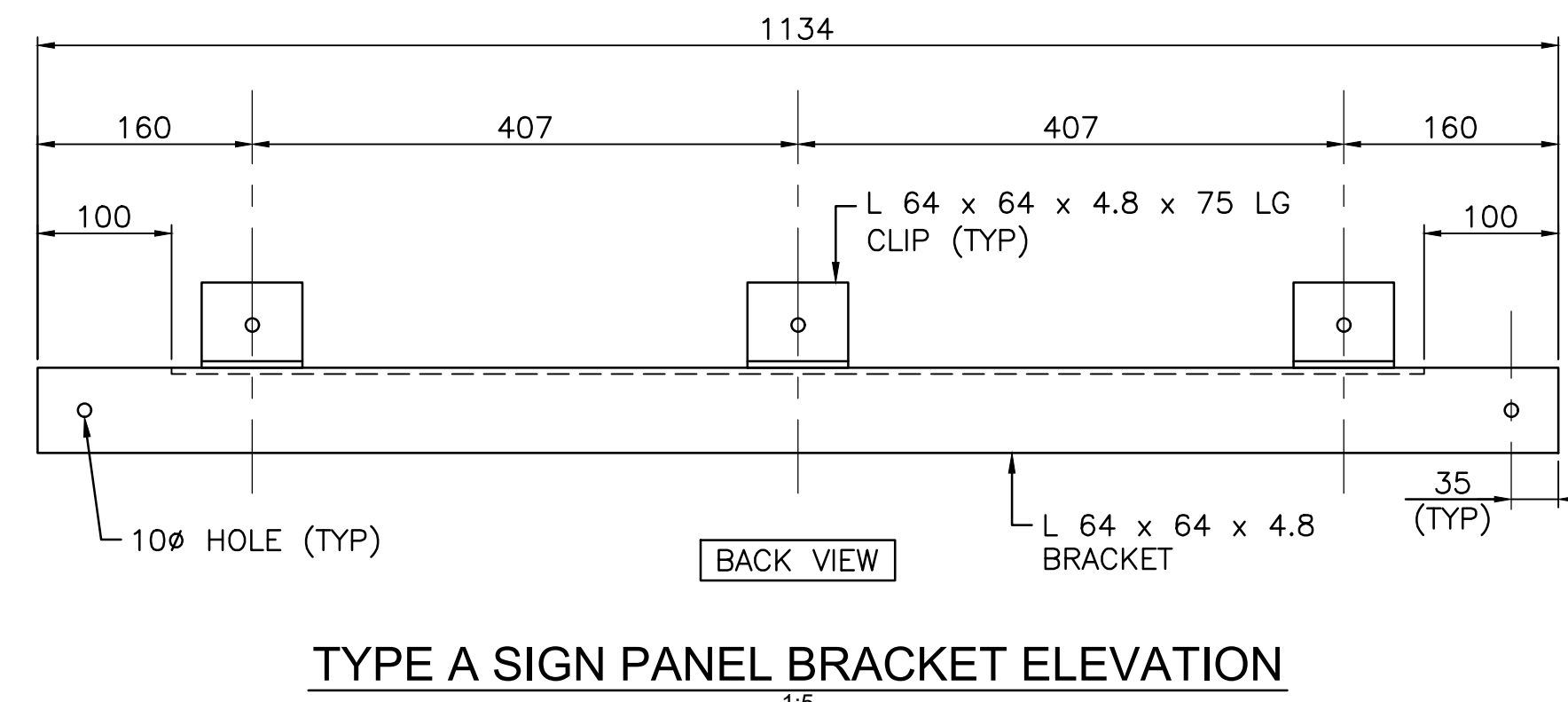
SIGNAGE PANEL VIEW

SIGNAGE SUPPORT VIEW

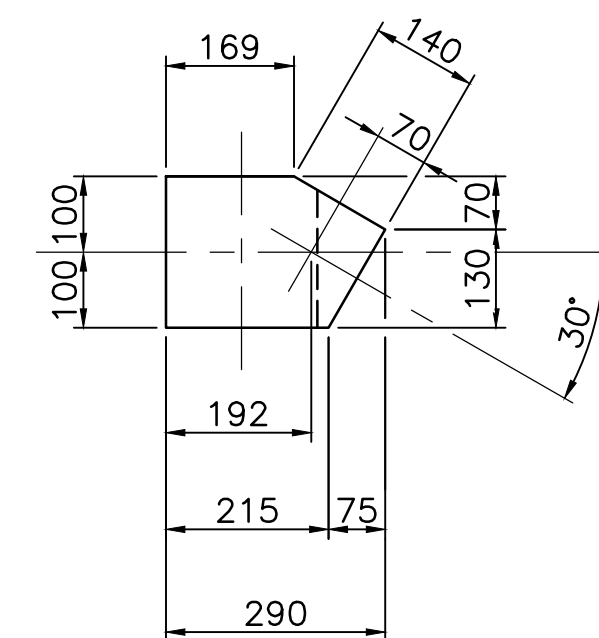
2 TRAILHEAD TYPE 2 - EXTENDED TRAILHEAD CONFIGURATION
23 1:25



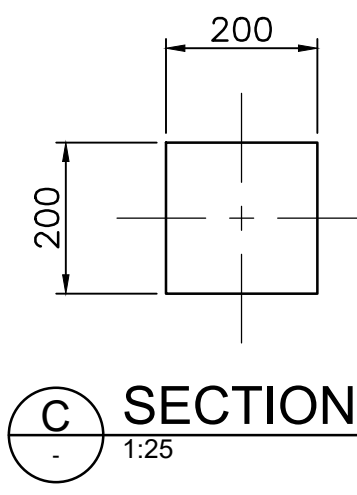
MAIN POST ELEVATION
1:25



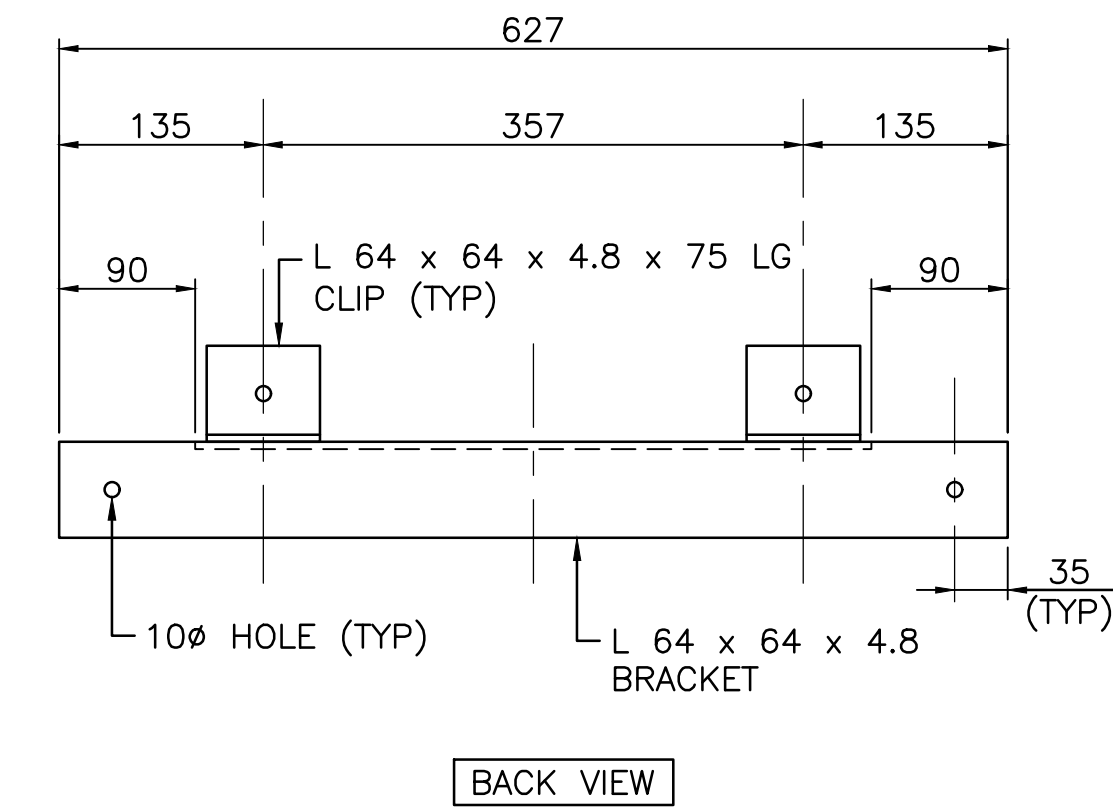
TYPE A SIGN PANEL BRACKET ELEVATION
1:5



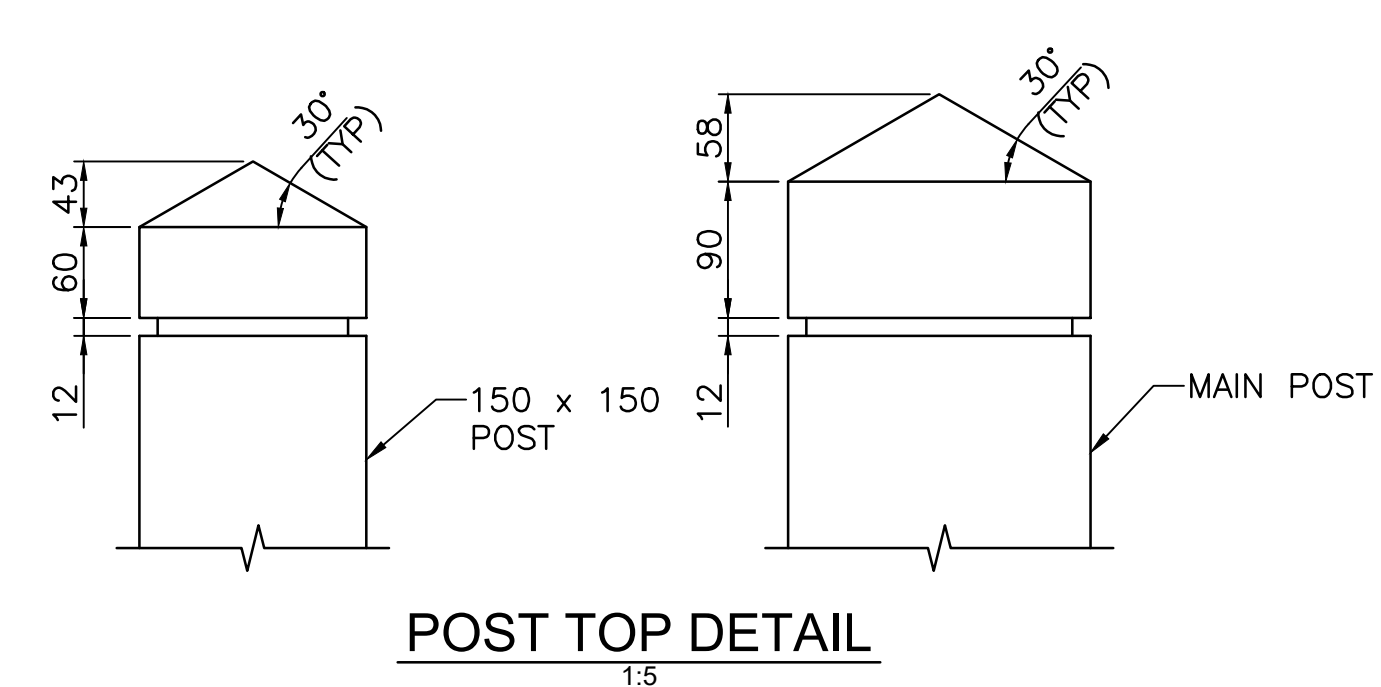
B SECTION
1:25



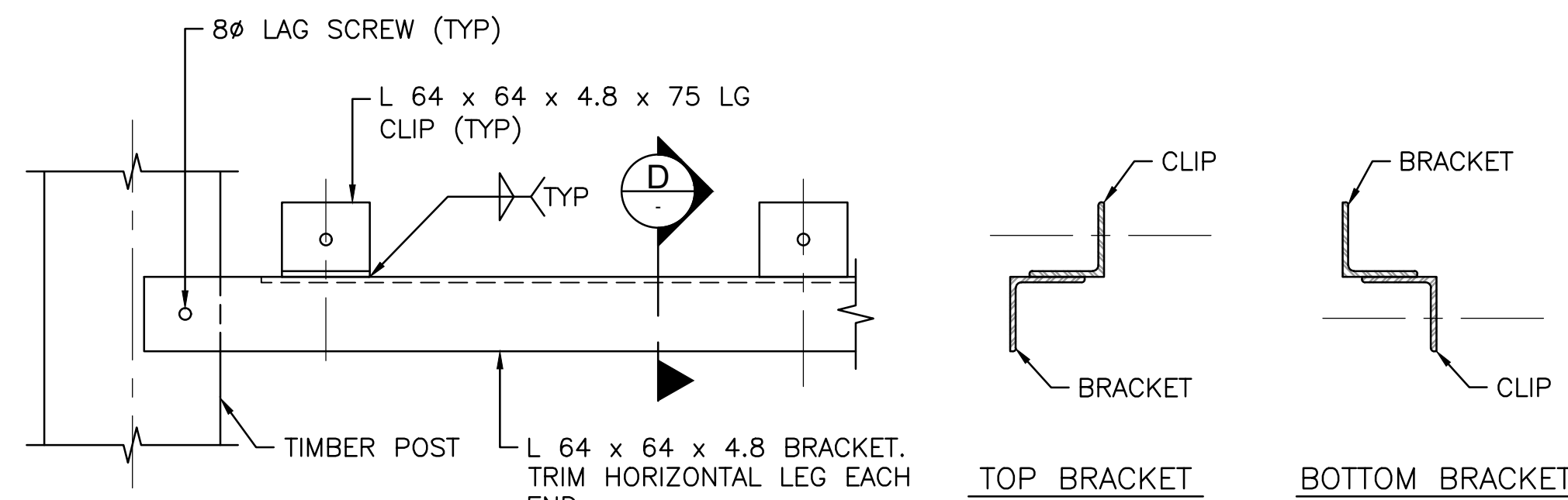
C SECTION
1:25



TYPE B SIGN PANEL BRACKET
1:5

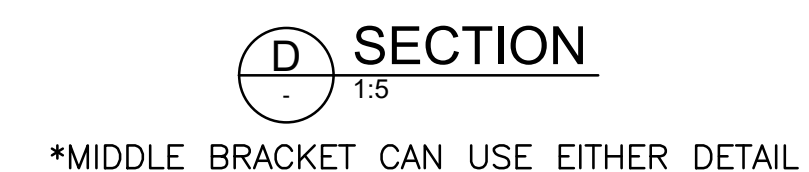


POST TOP DETAIL
1:5



TYPICAL BRACKET CONNECTION
1:5

*TOP SHOWN, BOTTOM SIMILAR



D SECTION
1:5

*MIDDLE BRACKET CAN USE EITHER DETAIL

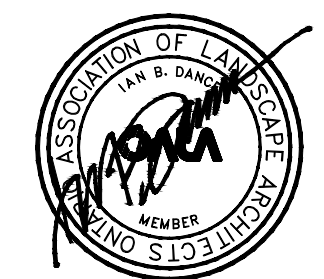
NOTES:

- SIGNAGE PANELS TO BE FABRICATED BY PCA.
- ALL DIMENSIONS IN MILLIMETERS.
- ALL TIMBER TO BE ROUGH SAWN CEDAR.
- ALL TIMBER FASTENERS TO BE STAINLESS STEEL.



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project title PRINCE OF WALES TRAIL IMPROVEMENTS titre du projet

drawing title SIGNAGE titre du dessin

SIGNAGE DETAILS 3 OF 5

designed by I. DANCE conçu par

drawn by S. NEZAFATI / E. BABALIS dessiné par

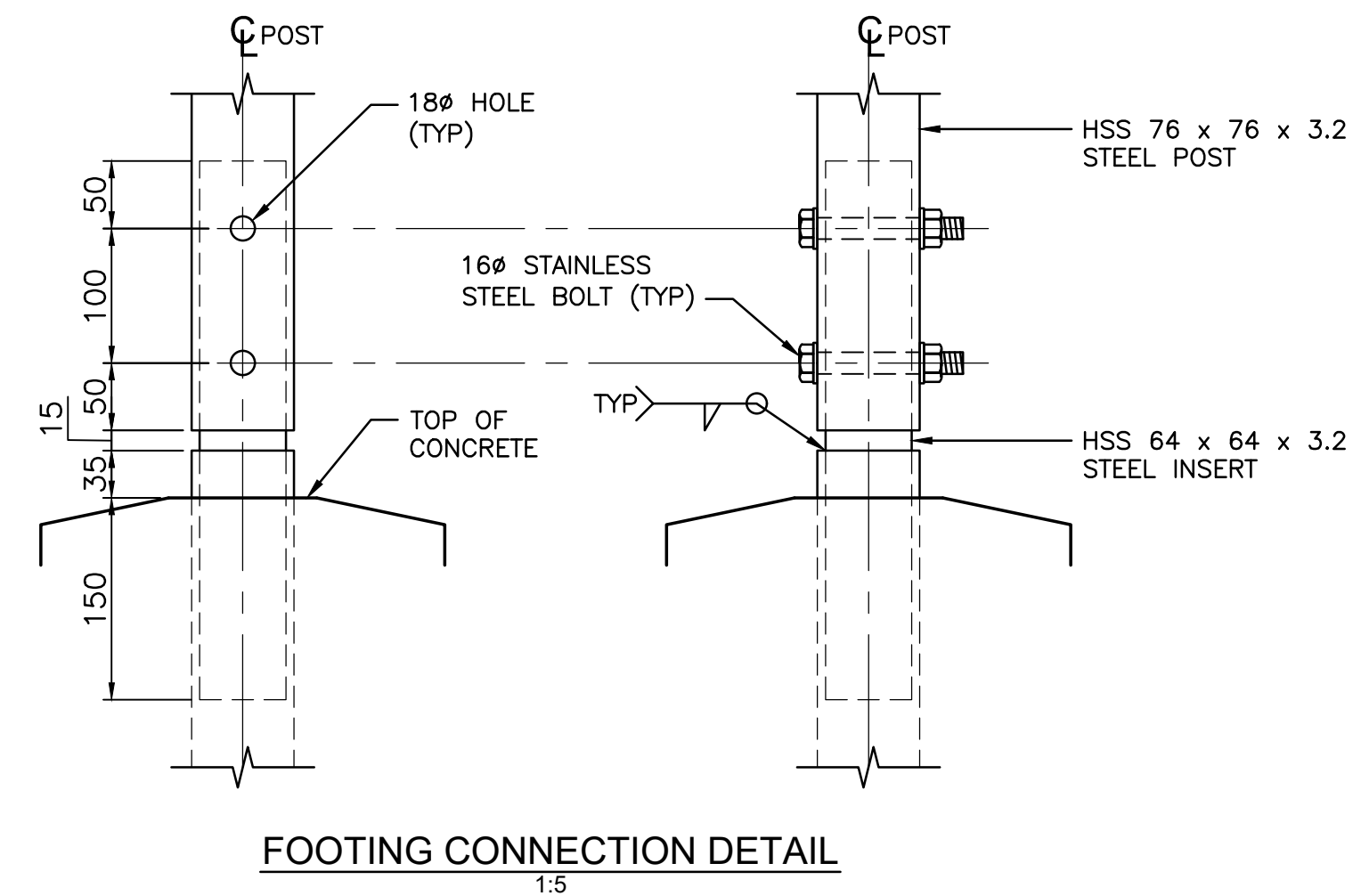
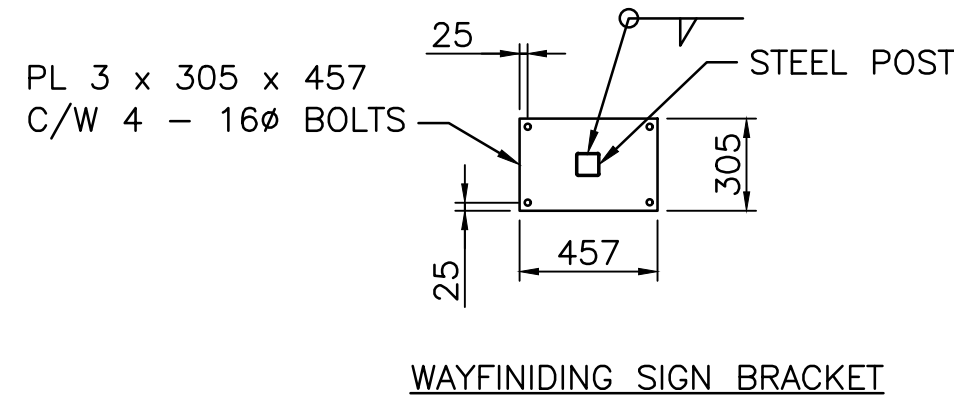
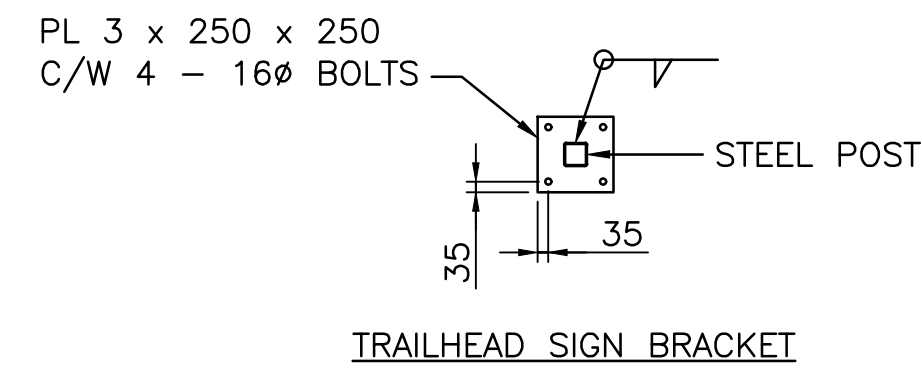
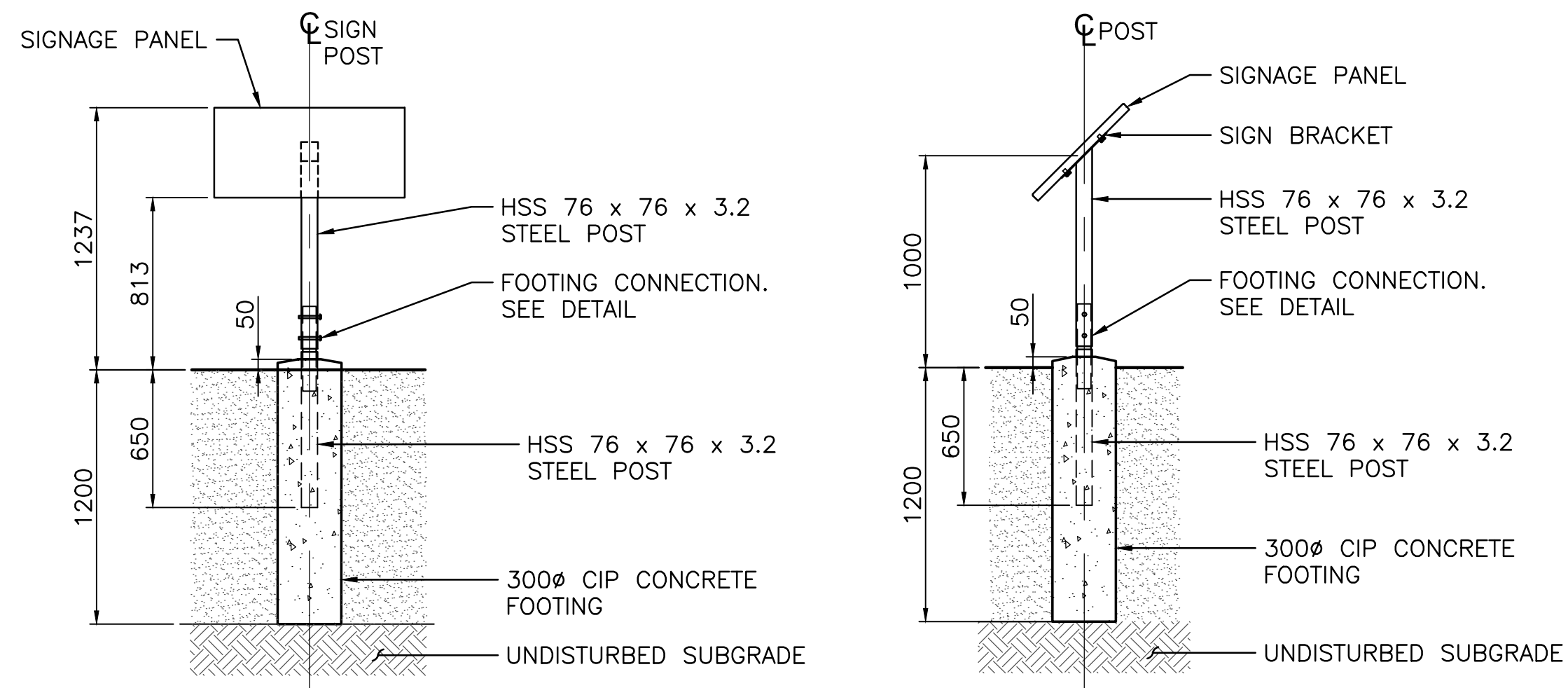
approved by H. TROFANENKO approuvé par

PCA Project Manager C. MARIOTTI Administrateur de Projets APC

scale AS SHOWN échelle sheet 21 feuille

project no. 2051C projet no. OF 23

date JUNE 2019 date



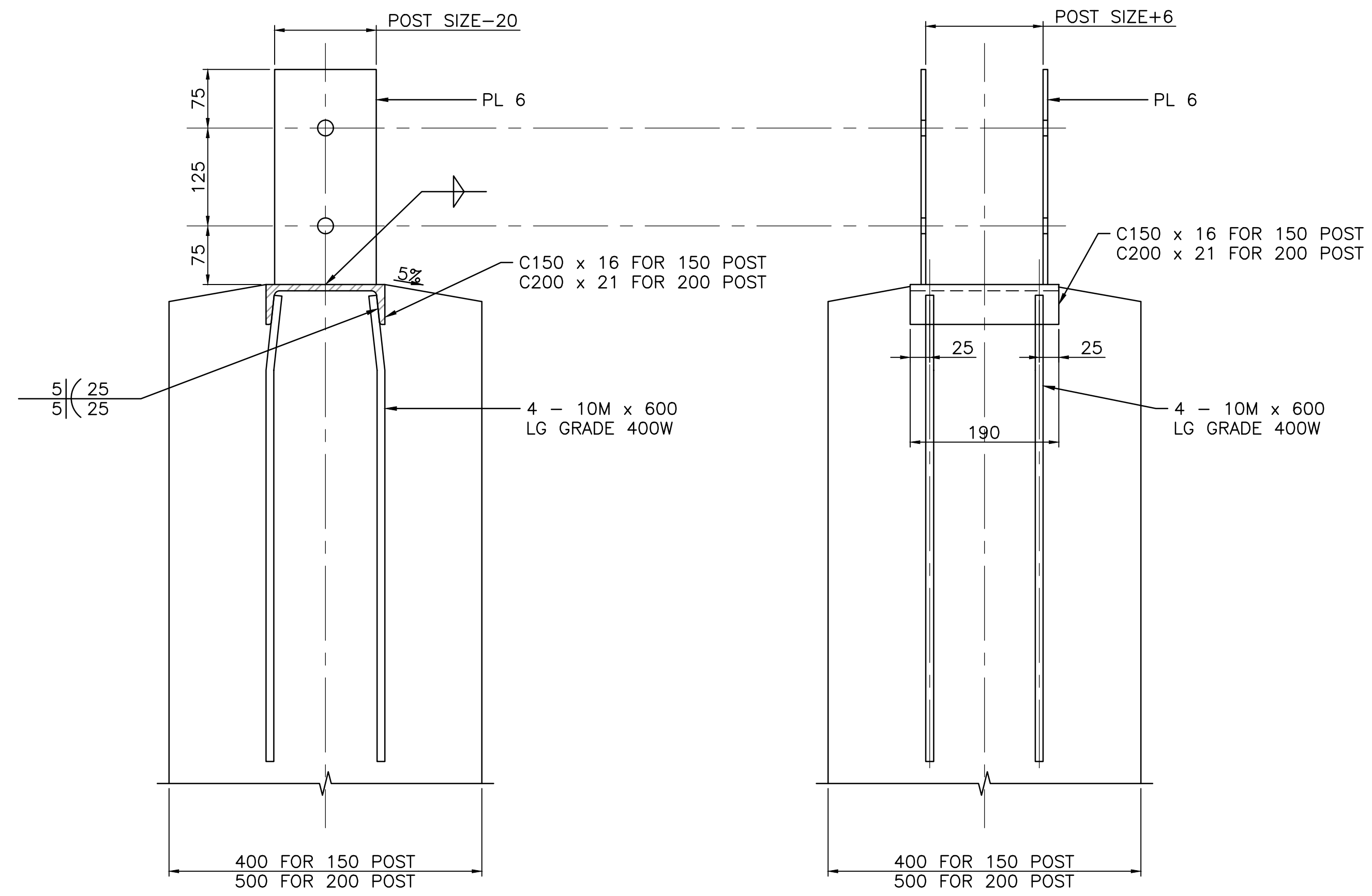
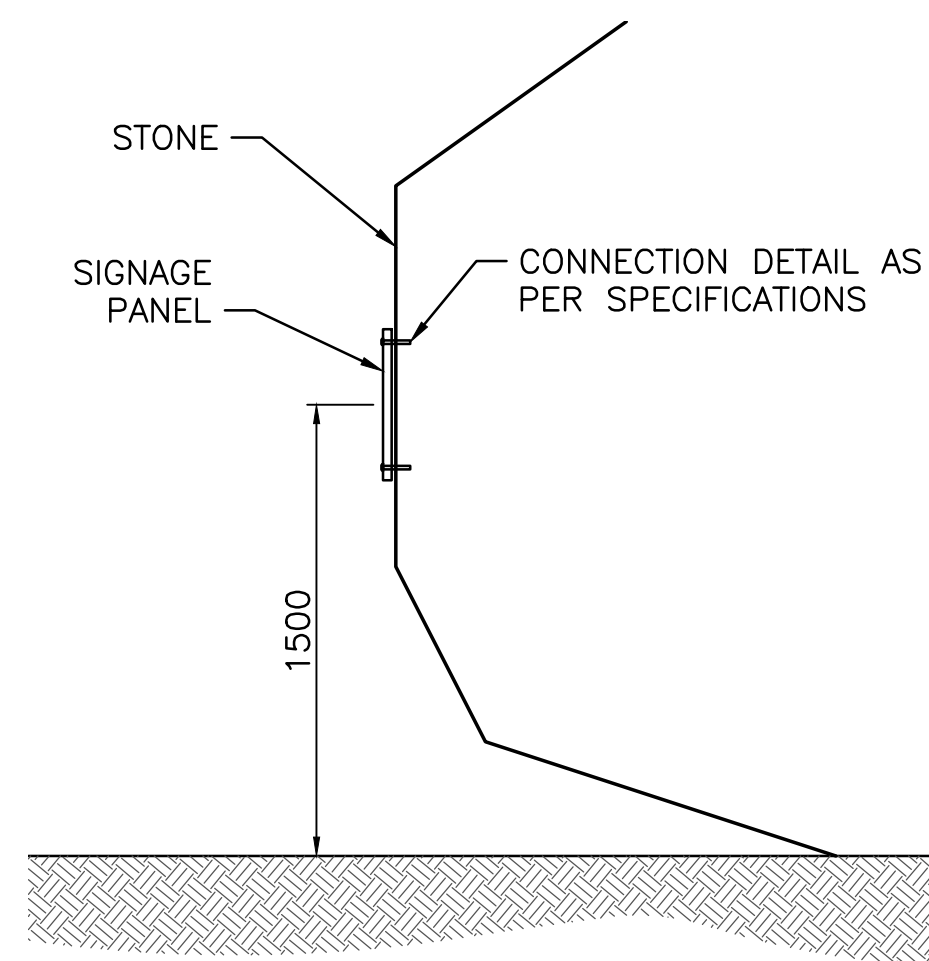
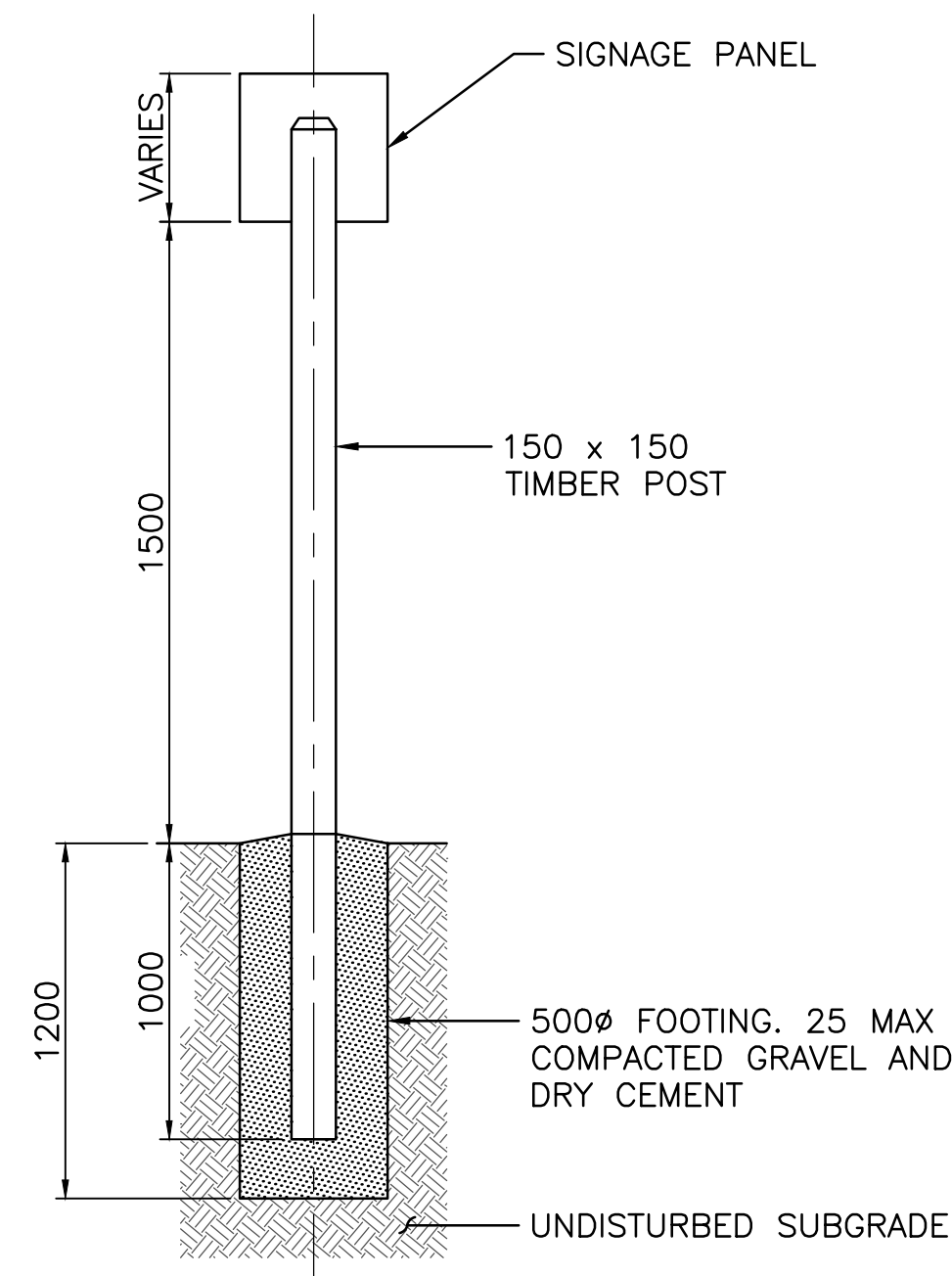
NOTES:

- SIGNS ROTATED TO BE PERPENDICULAR TO PRIMARY MULTI-USE PATHWAY.
- SHOP DRAWINGS TO BE PROVIDED, INCLUDING STRUCTURAL REVIEW AND CERTIFICATION.

1 SLOPED TABLE-TOP STYLE SIGN AND WAYFINDING SIGN
6, 8, 9, 10, 11, 12, 17 1:25

NOTES:

- SIGNAGE PANELS TO BE FABRICATED BY PCA.
- ALL DIMENSIONS IN MILLIMETERS.
- ALL TIMBER TO BE ROUGH SAWN CEDAR.
- ALL TIMBER FASTENERS TO BE STAINLESS STEEL.



2 HIKER SIGN
9 1:25

3 SURFACE MOUNTED SIGN
11 1:25

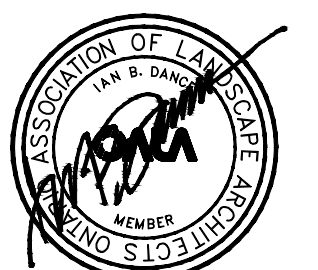
4 TRAILHEAD SIGNAGE POST CONNECTION DETAIL
21 1:5

*150 POST SHOWN, 200 POST SIMILAR



PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST

WATERTON LAKES NATIONAL PARK



REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A	detail number number du detail	A
B	source drawing no. de dessin no.	B/C
C	detail on drawing no. detail sur dessin no.	

project title **PRINCE OF WALES TRAIL IMPROVEMENTS** titre du projet

drawing title **SIGNAGE** titre du dessin
SIGNAGE DETAILS 4 OF 5

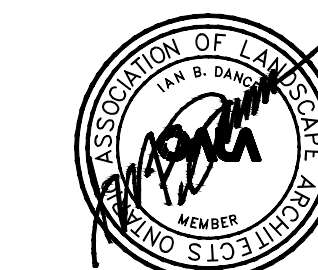
designed by	I. DANCE	conçu par
drawn by	S. NEZAFATI / E. BABALIS	dessiné par
approved by	H. TROFANENKO	approuvé par
PCA Project Manager	C. MARIOTTI	Administrateur de Projets APC
scale	AS SHOWN	echelle
project no.	2051C	projet no.
date	JUNE 2019	date
sheet	22	feuille
OF	23	



Client
PARKS CANADA AGENCY
PROJECT DELIVERY SERVICES WEST

Client
WATERTON LAKES NATIONAL PARK

Client



REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	2020.04.27

A	A detail number	A
B	number du detail	B
C	B source drawing no.	B
	de dessin no.	C
	C detail on drawing no.	
	detail sur dessin no.	

project title
PRINCE OF WALES TRAIL IMPROVEMENTS titre du projet

drawing title
SIGNAGE titre du dessin

SIGNAGE LOCATION MAP 5 OF 5

designed by
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PCA Project Manager
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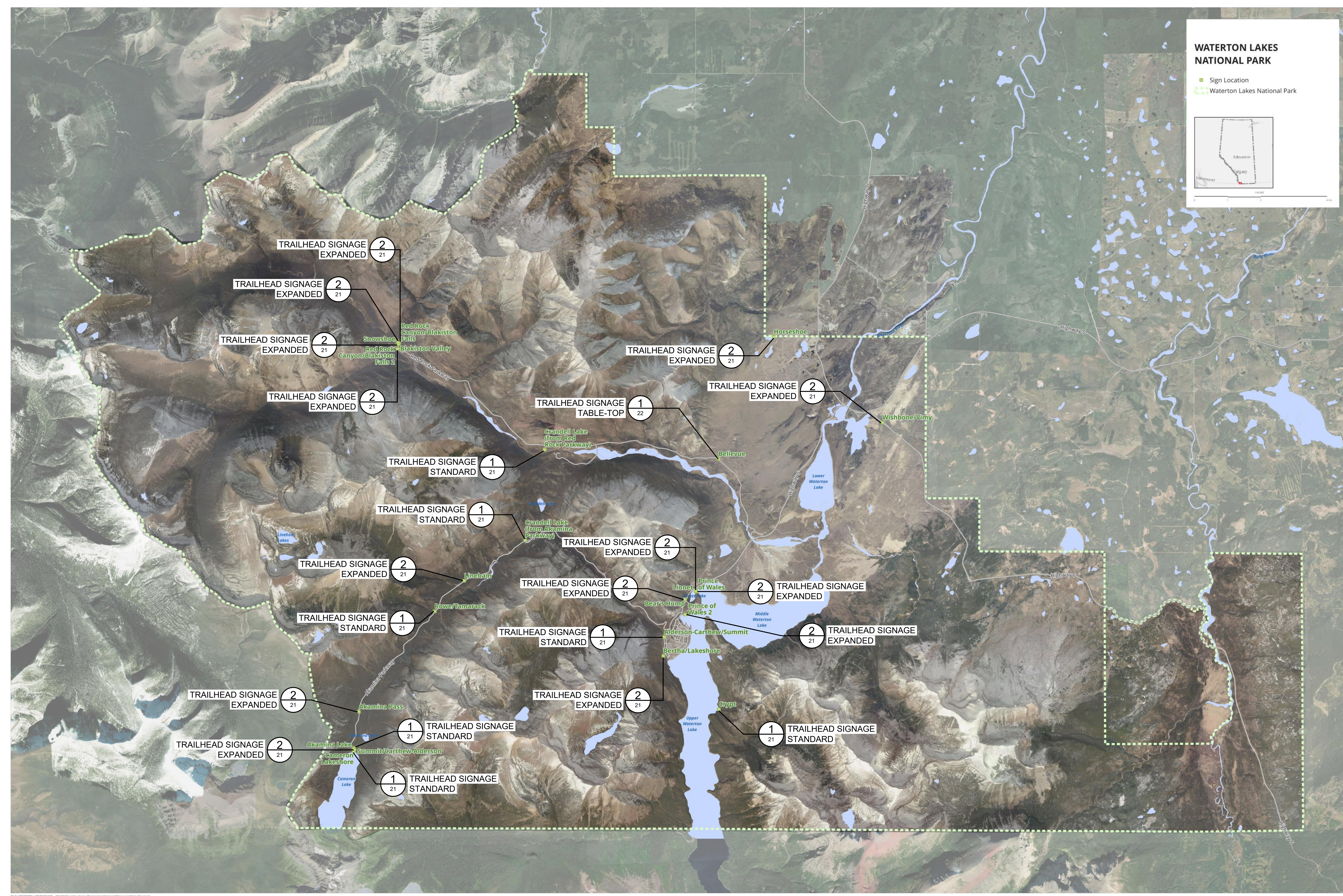
scale
AS SHOWN échelle

project no.
2051C projet no.

date
JUNE 2019 date

sheet
23 feuille

OF 23



OVERALL SIGNAGE LOCATION PLAN
 NTS