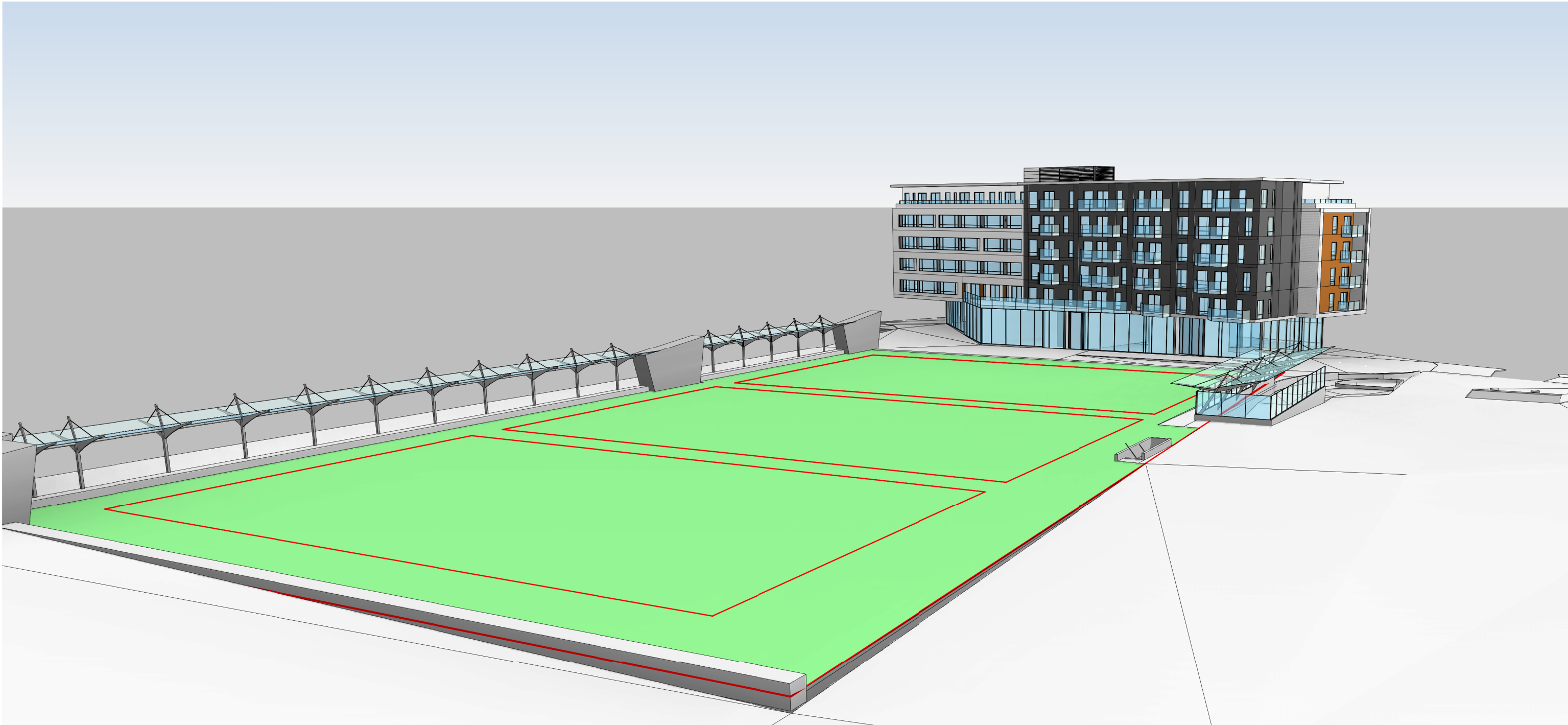


MacInnes-Underground Parking

UNIVERSITY BOULEVARD,UBC



DRAWING LIST	
Number	Name
A-00.01	GENERAL NOTES AND LEGENDS
A-1.01	MacInnes field-site plan & context
A-1.02	Survey
A-1.04	Context-grades & pictures
A-1.05	Design Rationale
A-2.02	Parking-MacInnes-Field
A-2.03	Field level
A-5.05	Sections-MacInnes field
A-5.06	Sections-MacInnes-field
A-6.01	3d-Views-MacInnes Field
A-6.02	3d-views-MacInnes-field
A-6.03	3d views
A-6.04	3d views
A-6.05	3D views
A-6.06	Precedents

MacInnes-Field			
UNIT	Area (Sq Ft)	Area (Sq m)	Area Classification
Parking MacInnes			
PARKING-MacINNES	42755 SF	5830 m²	
RAMP	2248 SF	209 m²	
	45002 SF	6039 m²	
TOTAL	45002 SF	6039 m²	

PROJECT TEAM:

UBC Properties	
Megan Pohanka 604-742-3247 mpohanka@ubcproperties.com	Sean Ang 604-742-3233 sang@ubcproperties.com

ARCHITECT GBL ARCHITECTS INC.	
Amela Brudar 604-736-1156 ABrudar@gbllarchitects.com	Sergio Moran 604-736-1156 smoran@gbllarchitects.com

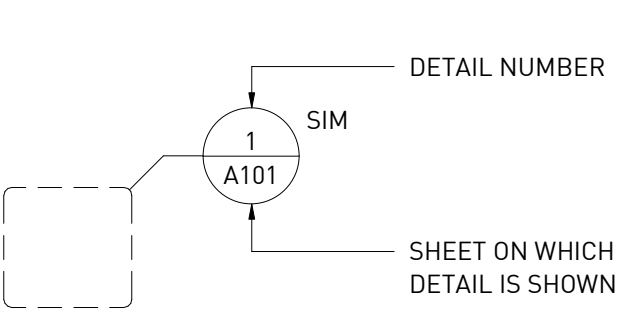
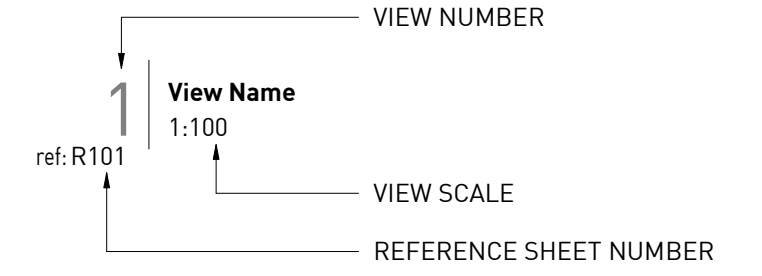
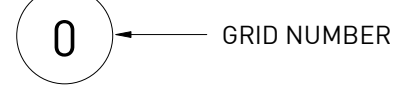
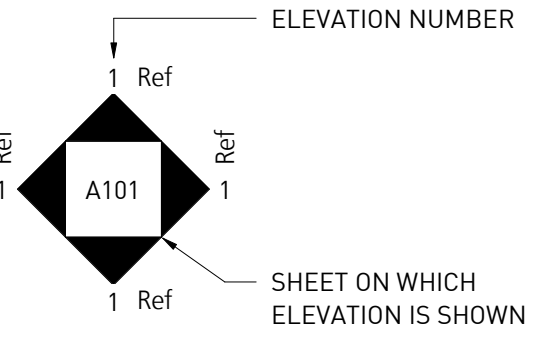
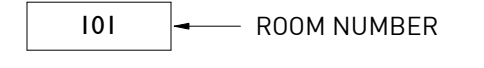
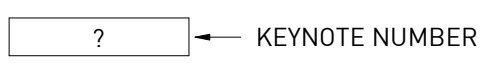
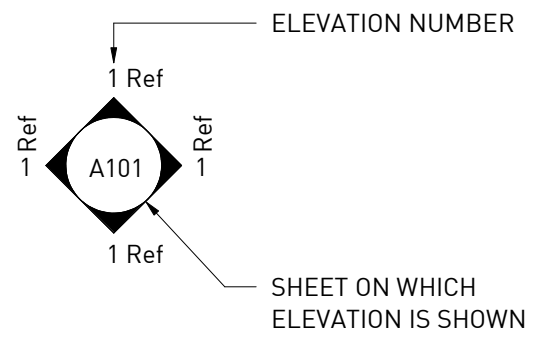
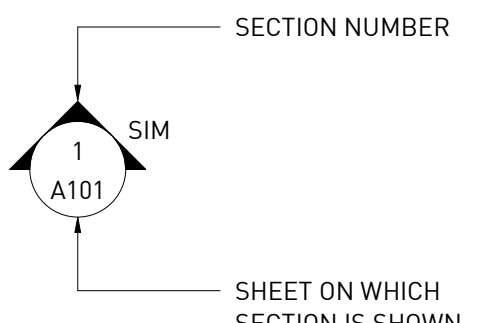
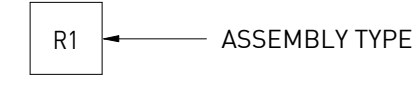
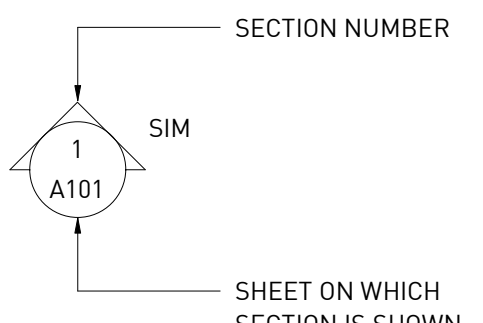
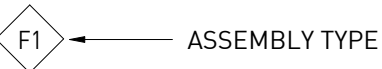
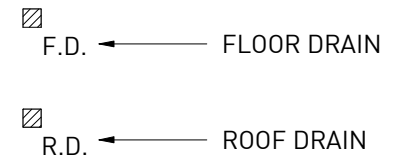
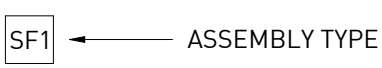
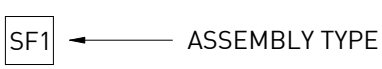
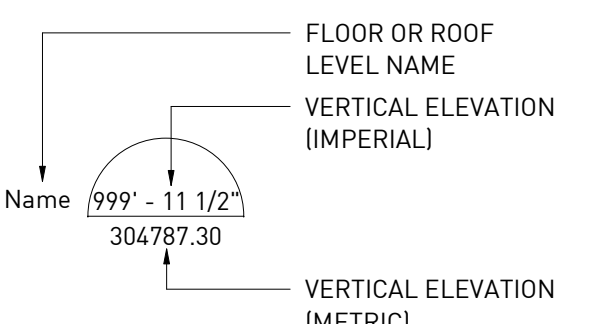
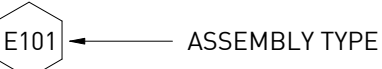
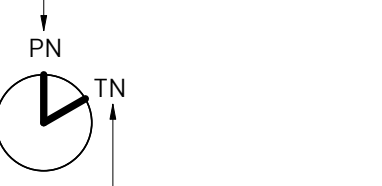
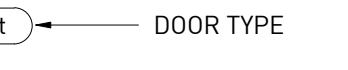
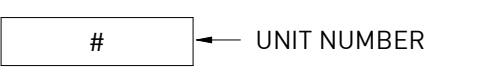
PFS Studio Landscape	
Christopher Phillips 604-736-5168 cphillips@pfs.bc.ca	Nicole S. Taddune 604-736-5168 ntaddune@pfs.bc.ca

CORE GROUP consultants	
Cormac Nolan 604-299-0605 cnolan@coregroupconsultants.com	CONTACT NAME PHONE EMAIL

BUNT& associates Transportation Planners	
Peter Joyce 604-685-4427 pjoyce@bunteng.com	CONTACT NAME PHONE EMAIL

RJC Structural Engineering	
Grant Newfield 604-739-6273 GNewfield@jrc.ca	CONTACT NAME PHONE EMAIL



SYMBOLS LEGEND		
DETAIL CALLOUTS	VIEW TITLES	GRIDS
		
		REVISION TAGS
		 
EXTERIOR ELEVATIONS	ROOM TAGS	KEYNOTE TAG
	Room name   Room name  Volume	
INTERIOR ELEVATIONS	WALL TAGS	MATERIAL TAGS
	125Sip ← ASSEMBLY TYPE 125Sip ← ASSEMBLY TYPE 120min ← WALL F.R.R. IN MINUTES 125Sip ← ASSEMBLY TYPE STC 55+ ← WALL STC RATING	
BUILDING SECTIONS	ROOF TAGS	EXIT TAG
		
WALL SECTIONS	FLOOR TAGS	DRAIN TAGS
		
	SOFFIT TAGS	SPOT ELEVATION TAG
		
	CEILING TAGS	WATER CURTAIN SPRINKLER
		
ELEVATION LEVELS	WINDOW TAGS	
		
NORTH ARROW	DOOR TAGS	
	 	
	UNIT TAGS	
		
	PARKING TAGS	
		

ABBREVIATION LEGEND	
ABBREVIATION	
A.F.F.	ABOVE FINISH FLOOR
ACST	ACOUSTIC
ACT	ACOUSTIC CEILING TILE
ADH	ADHESIVE
ADJ	ADJUSTABLE
A/V	AIR/VAPOUR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
BF.	BARRIER FREE
BM.	BEAM
BLK.	BLOCK
BLKG.	BLOCKING
BD.	BOARD
B.S.	BOTH SIDES
BOT.	BOTTOM
BLDG.	BUILDING
C.I.P.	CAST IN PLACE
C.B.	CATCH BASIN
CLG.	CEILING
CL	CENTER LINE
C.H.	COAT HOOK
COL.	COLUMN
COMP.	COMPACTED
C/W	COMPLETE WITH
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS
C.J.	CONTROL JOINT
CORR.	CORRIDOR
COV.	COVER
D	DEEP
DEG (°)	DEGREE
DIAG.	DIAGONAL
DIA (ø)	DIAMETER
DIM.	DIMENSION
DW	DISHWASHER
D.O.	DOOR OPERATOR
DN.	DOWN
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
D.F.	DRINKING FOUNTAIN
DRY.	DRYER (CLOTHES)
EA.	EACH
EA. F	EACH FACE
E/S	EACH SIDE
ELEC.	ELECTRICAL
ELEV. (EL)	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
EXPN	EXPANSION
EXPN. JT.	EXPANSION JOINT
EXP.	EXPOSED
EXP. S.	EXPOSED STRUCTURE
EXT.	EXTERIOR
EXT. GR.	EXTERIOR GRADE
F.O.	FACE OF
F.O.C.	FACE OF CURB
FRP	FIBER REINFORCED PLASTIC
F	FILM
FIN. GR.	FINISH GRADE
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FRS	FIRE SHUTTER
FP	FIREPLACE
FL (FLR)	FLOOR
F.D.	FLOOR DRAIN
FTG.	FOOTING
FDN.	FOUNDATION
FURR.	FURRING
GA.	GAUGE
GC	GENERAL CONTRACTOR
GL.	GLASS
GLULAM	GLUE-LAMINATED
GR.	GRADE
GWB	GYP SUM WALL BOARD
GWB. WR	GYP SUM WALL BOARD WATER RESISTANT
HD. WD.	HARD WOOD
HDR.	HEADER
HTR.	HEATER
H	HIGH
H.C.W.	HOLLOW CORE WOOD
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL SECTION
HORZ.	HORIZONTAL
HWT	HOT WATER TANK
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
LAV.	LAVATORY
LG.	LONG
M.H.	MANHOLE
M.O.	MASONRY OPENING
MAT'L	MATERIAL

ABBREVIATION LEGEND	
ABBREVIATION	
MAX.	MAXIMUM
MECH.	MECHANICAL
MDF.	MEDIUM DENSITY FIBERBOARD
MSTD	METAL STUD
m	METER
MEZZ.	MEZZANINE
MW	MICROWAVE
mm	MILLIMETERS
MIN.	MINIMUM
M	MIRROR
MISC.	MISCELLANEOUS
M.R.	MOISTURE RESISTANT
M.S.	MOP SINK
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO. (H)	NUMBER
O/C	ON CENTER
O.W.S.J.	OPEN WEB STEEL JOIST
OPP. HAND	OPPOSITE HAND
OSB.	ORIENTED STRAND BOARD
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
P	PAINT
PR	PAIR
PJ	PARALAM JOIST
PSC.	PARALAM STEEL CONNECTION
PERIM	PERIMETER
P.G.	PLATE GLASS
PLY.	PLYWOOD
POLY.	POLYETHYLENE
PVC.	POLYVINYL CHLORIDE
P.P	POWER POLE
PSF.	PRESSED STEEL FRAME
P.T.	PRESSURE TREATED
PROJ.	PROJECTION
RAD (R)	RADIUS
R.W.D.P.	RAIN WATER DOWN PIPE
RWL	RAIN WATER LEADER
REF.	REFRIGERATOR
REINF.	REINFORCED
REQ'D	REQUIRED
REV.	REVISION
R	RISER
RD	ROOF DRAIN
RTU	ROOF TOP UNIT
RM.	ROOM
R.O.	ROUGH OPENING
SECT.	SECTION
SEC. G	SECURITY GRILLE
S.E.D.	SEE ELECTRICAL DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.S.D.	SEE STRUCTURAL DRAWINGS
SG	SEMI GLOSS
STHG.	SHEATHING
SIM.	SIMILAR
S.O.G.	SLAB ON GRADE
SNW. G.	SNOW GUARD
S.C.W.	SOLID CORE WOOD
S.T.C.	SOUND TRANSMISSION CLASS
SP	SPANDREL PANEL
SPEC.	SPECIFICATION
SQ.	SQUARE
S.S. (S/S)	STAINLESS STEEL
STD.	STANDARD
ST.	STOVE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
TV	TELEVISION
TEMP.	TEMPERATURE
T.B.D.	TO BE DETERMINED
T/M	TO MATCH
T.T.H.	TOILET TISSUE HOLDER
TP	TOILET/WASHROOM PARTITIONS
T&G	TONGUE & GROOVE
T&G.V.J.	TONGUE & GROOVE V. JOINT
T.O. or T/O	TOP OF
T.O.C.	TOP OF CURB
T.O.S.	TOP OF SLAB
TS	TRACK SYSTEM
TRANS.	TRANSFORMER
TS	TRANSITION STRIP
TYP.	TYPICAL
U.S. or U/S	UNDERSIDE
U.N.O.	UNLESS NOTED OTHERWISE
V.J.	V. JOINT
V.B.	VAPOUR BARRIER
VERT.	VERTICAL
VEST.	VESTIBULE
VOL.	VOLUME
W.F.	WALL FOUNDATION
W.C.	WATER CLOSET
W.W.M.	WELDED WIRE MESH
W	WIDE
W/	WITH
WD.	WOOD
WS	WOOD SOFFIT

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3.	NO DIMENSION SHALL BE SCALED FROM THE DRAWINGS.
4.	GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO EXAMINE ALL DRAWINGS AND VERIFY THAT THE INFORMATION AND DIMENSIONS ARE MATCHED DURING CONSTRUCTION. ALL VARIATIONS BETWEEN THE ARCHITECTURAL PLANS AND/OR OTHER CONSULTANT PLANS AND SITE CONDITIONS ARE TO BE REPORTED FORMALLY TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. COMPENSATION WILL NOT BE MADE BECAUSE OF FAILURE TO MAKE PROPER SITE INVESTIGATIONS AND/OR FAILURE TO REPORT DISCREPANCIES TO THE CONSULTANT TEAM PRIOR TO TENDER CLOSING OR CONSTRUCTION.
5.	GENERAL CONTRACTOR MUST VERIFY, BEFORE THE START OF CONSTRUCTION, THE PLACEMENT AND ELEVATION OF SIDEWALKS, CONCRETE CURBS, LOCATIONS OF EXISTING AND FUTURE INTERRUPTIONS OR DEPRESSIONS AS WELL AS THE LOCATION AND ELEVATION OF ALL SERVICE LINES (INCLUDING BUT NOT LIMITED TO) ELECTRICAL LINES, WATER LINES, GAS LINES AND SEWAGE NETWORK LINES.
6.	GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO READ ALL ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL SUB-CONSULTANT DRAWINGS AND SPECIFICATIONS.
7.	GENERAL CONTRACTOR TO EMPLOY PROFESSIONAL ENGINEER, REGISTERED TO PRACTICE IN THE PROVINCE OF BRITISH COLUMBIA, TO DESIGN ALL CEILING, BULKHEAD & SUSPENSION SYSTEMS IN ACCORDANCE WITH THE VANCOUVER BUILDING BY-LAW FOR LOADING AND SEISMIC REQUIREMENTS. THE SAME ENGINEER IS TO REVIEW CONSTRUCTION AND CERTIFY IN WRITING, UPON COMPLETION, THAT THE COMPLETED INSTALLATION IS IN CONFORMANCE WITH THE VBBL 2014 & ITS LATEST REVISIONS.
8.	ALL GUARDS & RAILINGS TO BE DESIGNED BY STEEL FABRICATOR TO CONFORM WITH THE LATEST EDITION OF THE B.C. BUILDING CODE & MUNICIPAL BY-LAW. SHOP DRAWINGS TO BE PREPARED AND SUBMITTED, SIGNED & SEALED, BY A STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA. THE SAME ENGINEER IS TO REVIEW THE COMPLETED INSTALLATION AND CERTIFY IN WRITING THAT THE COMPLETED INSTALLATION IS IN CONFORMANCE.
9.	GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL SATISFY THEMSELVES THAT ALL DIMENSIONS, DATUMS AND DETAILED INFORMATION SHOWN WITHIN THE CONTRACT DOCUMENTS ARE CORRECT PRIOR TO CONSTRUCTION.
10.	GENERAL CONTRACTOR TO REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND INTERIOR DESIGN DRAWINGS FOR ALL OPENINGS THROUGH FLOORS, WALLS AND ROOFS. REFER TO STRUCTURAL DETAILS FOR OPENING FRAMING REQUIREMENTS.
11.	GENERAL CONTRACTOR TO SEAL ALL PENETRATIONS WITH RATED FIRESTOPPING SYSTEMS TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION.
12.	GENERAL CONTRACTOR TO COORDINATE AND PROVIDE ALL SOLID BLOCKING WITHIN THE WALL AND CEILING AREAS TO SUPPORT SURFACE MOUNTED FIXTURES, APPLIANCES, HANDRAILS, SIGNS, ETC.



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VANCOUVER, BC CANADA V5T 1R8
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NOTES

REVISIONS

NO.	DATE	DESCRIPTION
03	JUNE 29, 2017	DEVELOPMENT PERMIT RE-SUBMISSION

MacInnes-Underground
Parking
UNIVERSITY
BOULEVARD,UBC

GENERAL NOTES AND LEGENDS

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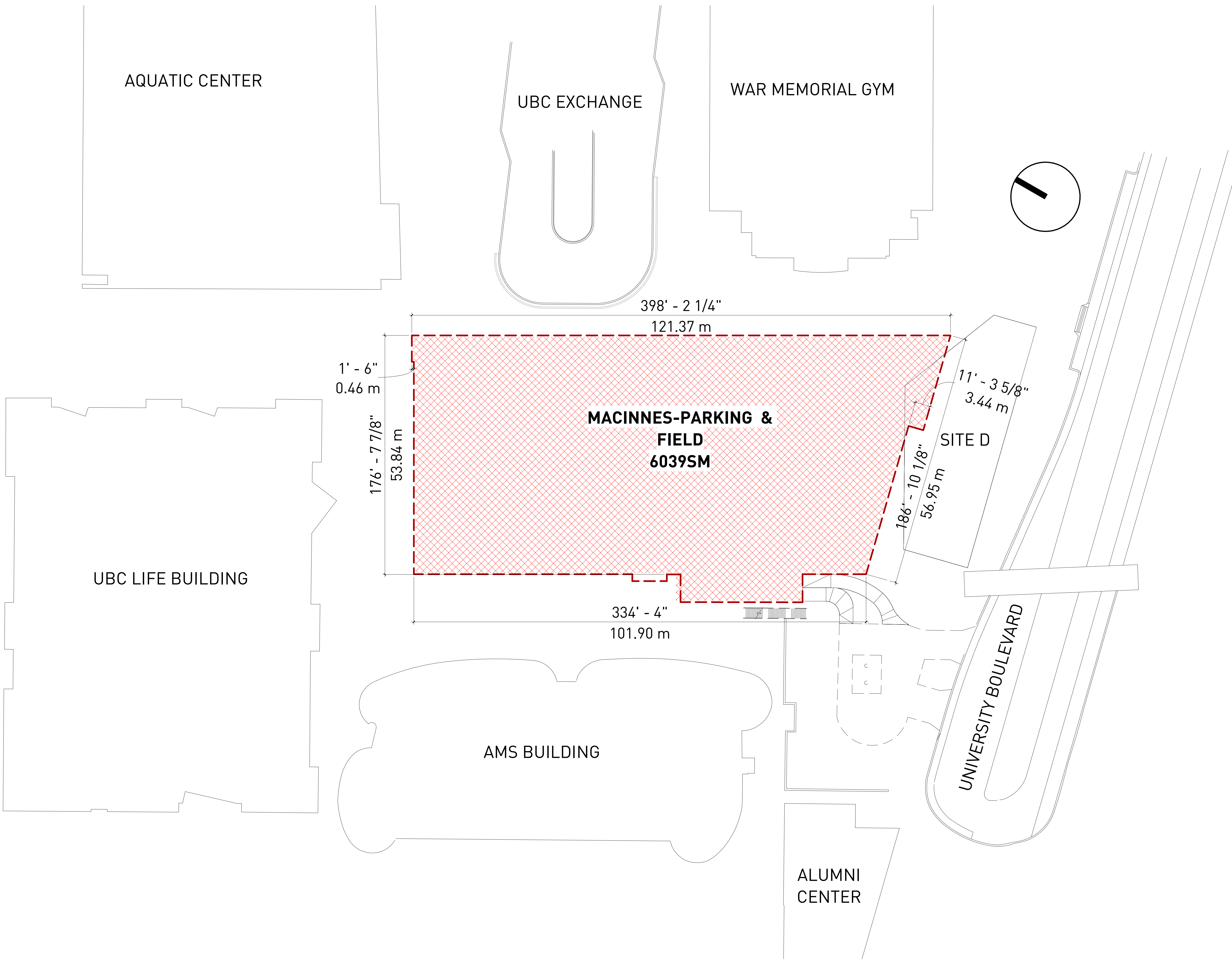
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MacInnes-Underground
Parking
UNIVERSITY
BOULEVARD,UBC

MacInnes field-site
plan & context

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JOB NUMBER	1617

A-1.01



NOTES

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03	JUNE 29, 2017	DEVELOPMENT PERMIT RE-SUBMISSION

MacInnes-Underground
Parking
UNIVERSITY
BOULEVARD,UBC

Survey

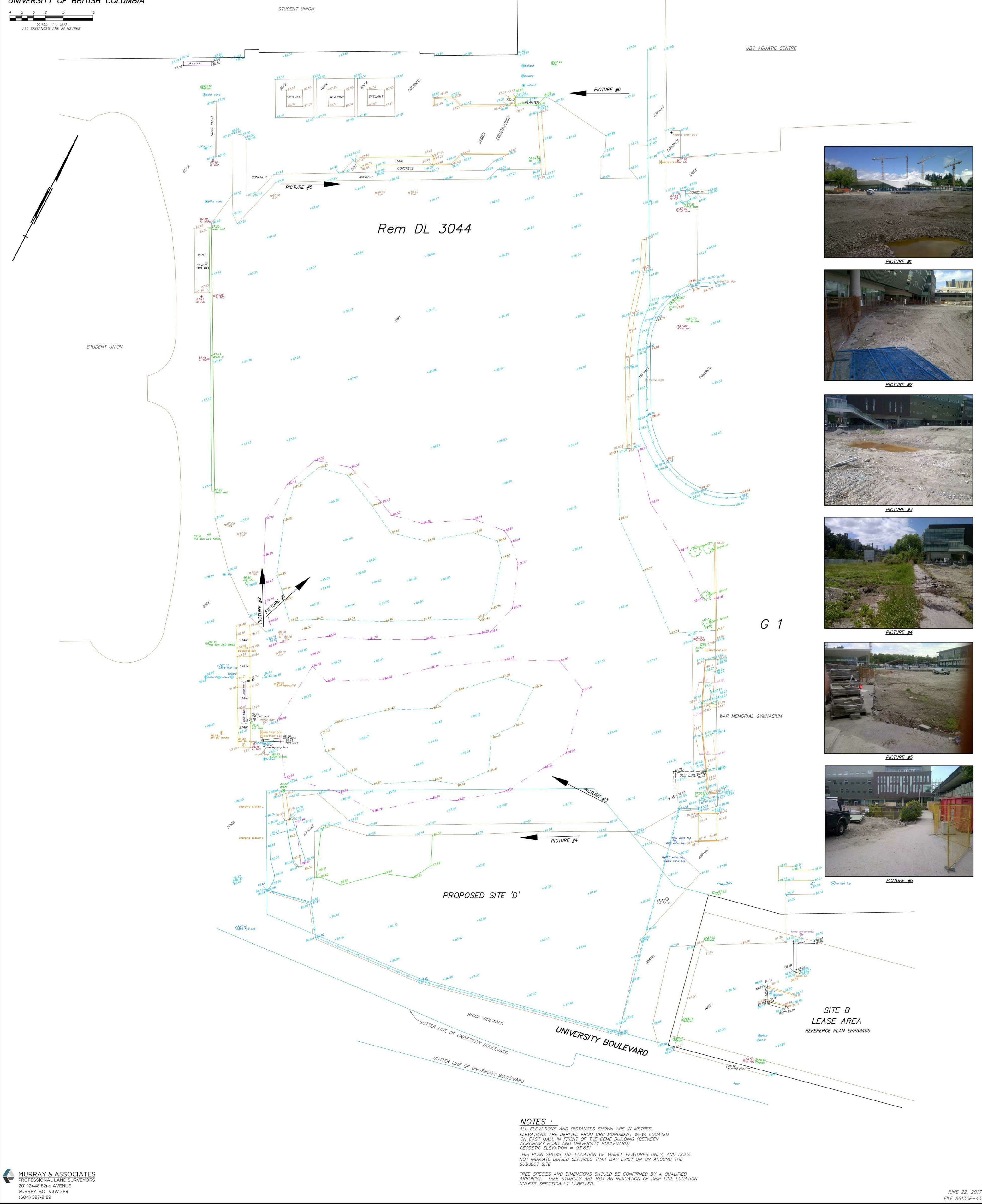
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SCALE	

JOB NUMBER 1617

A-1.02

SKETCH PLAN SHOWING PROPOSED SITE 'D'
DISTRICT LOT 3044, GROUP 1, NEW WESTMINSTER DISTRICT EXCEPT
FIRSTLY; PART ON PLAN 6147
SECONDLY; PART ON PLAN 9301
THIRDLY; PART ON PLAN BCP6556
FOURTHLY; PART ON PLAN BCP23719
UNIVERSITY OF BRITISH COLUMBIA

SCALE 1:200
ALL DISTANCES ARE IN METRES





12-VIEW @ AQUATIC CENTER



11-VIEW TO SOUTH EAST OF MacInnes FIELD



10-VIEW @ UBC LIFE BUILDING



9-VIEW @ UBC LIFE BUILDING



13-VIEW @ AQUATIC CENTER



14-VIEW @ AMS BUILDING



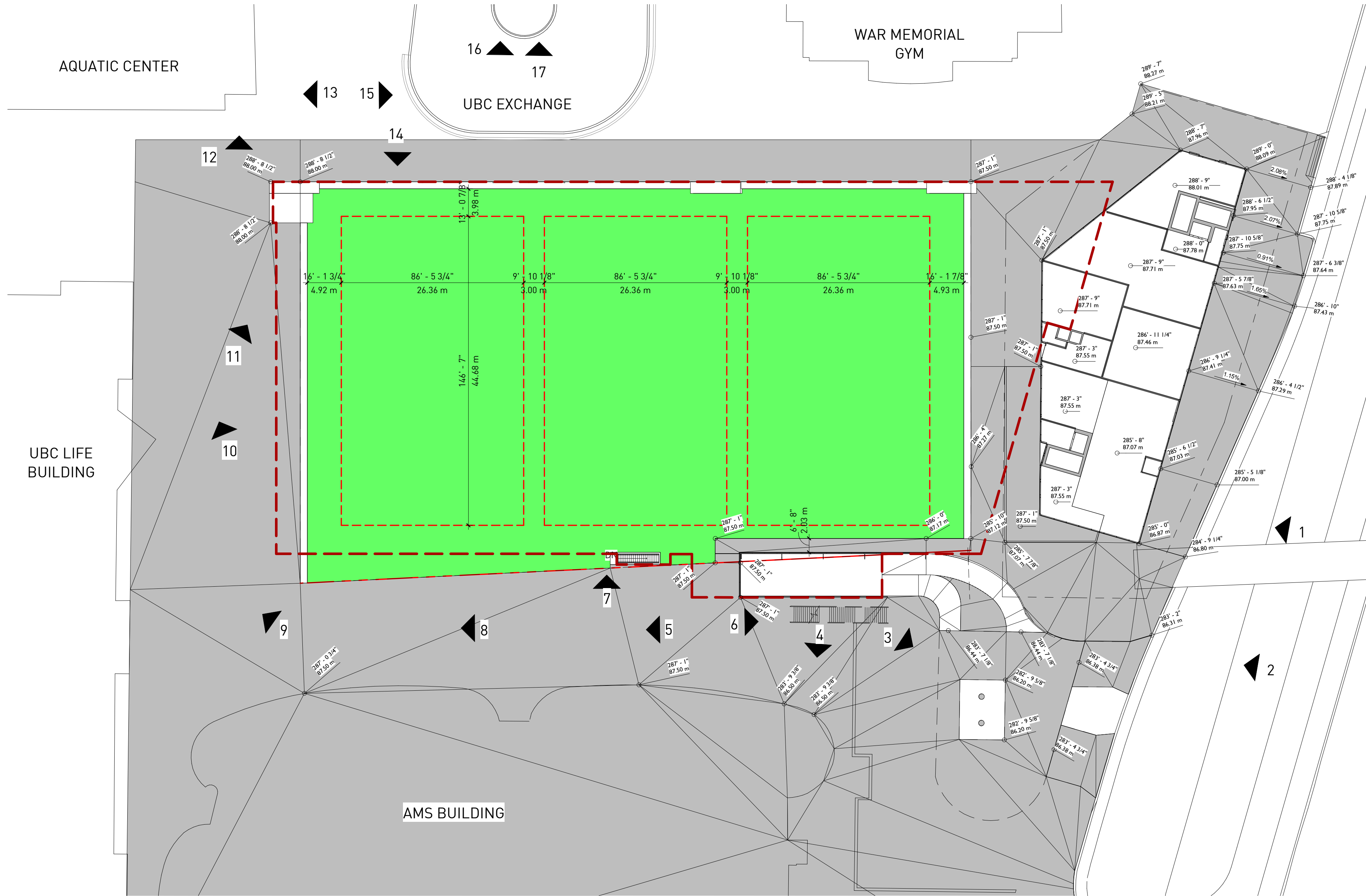
15-VIEW @ UBC EXCHANGE



16-VIEW @ UBC EXCHANGE



17-VIEW @ UBC EXCHANGE



8-WALKWAY @ AMS BUILDING



7-VIEW @ MacInnes-field



6-EXTERIOR STAIR @ AMS BUILDING



5-WALKWAY @ AMS BUILDING



4-CRU'S @ AMS BUILDING



1-STREET VIEW



2-ENTRY



3-CONCRETE COLUMNS

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NO.	DATE	DESCRIPTION
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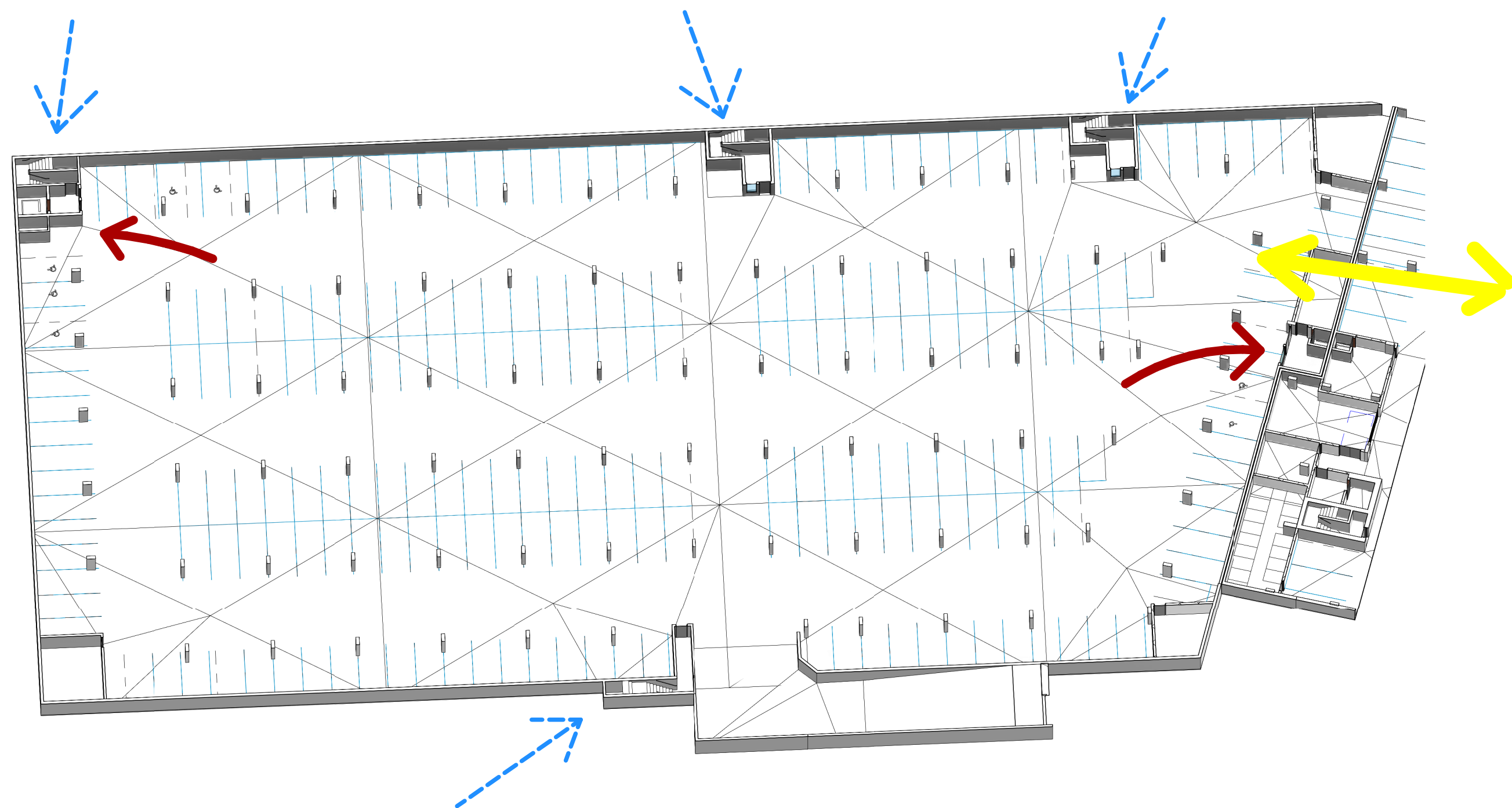
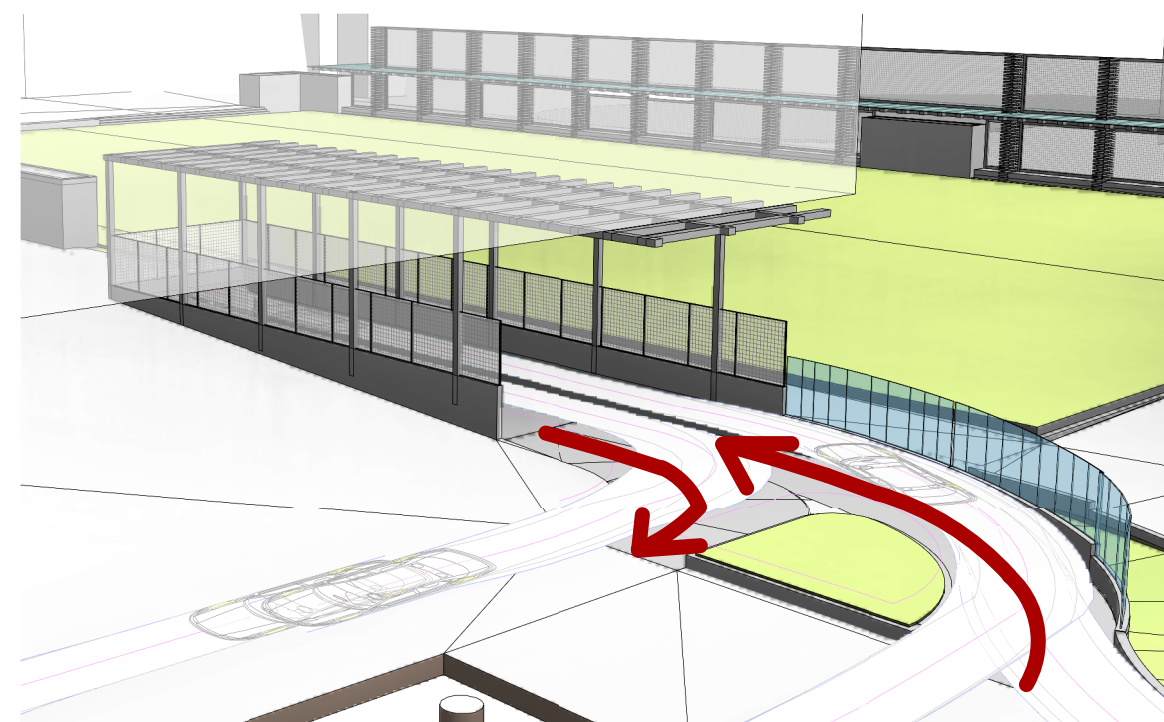
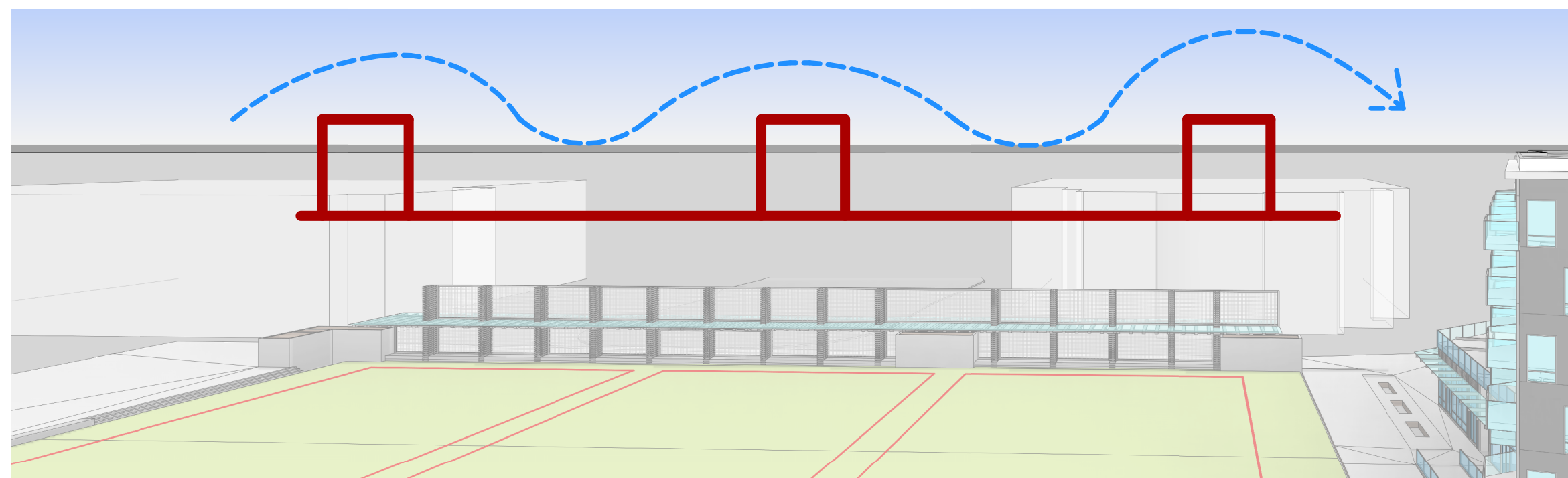
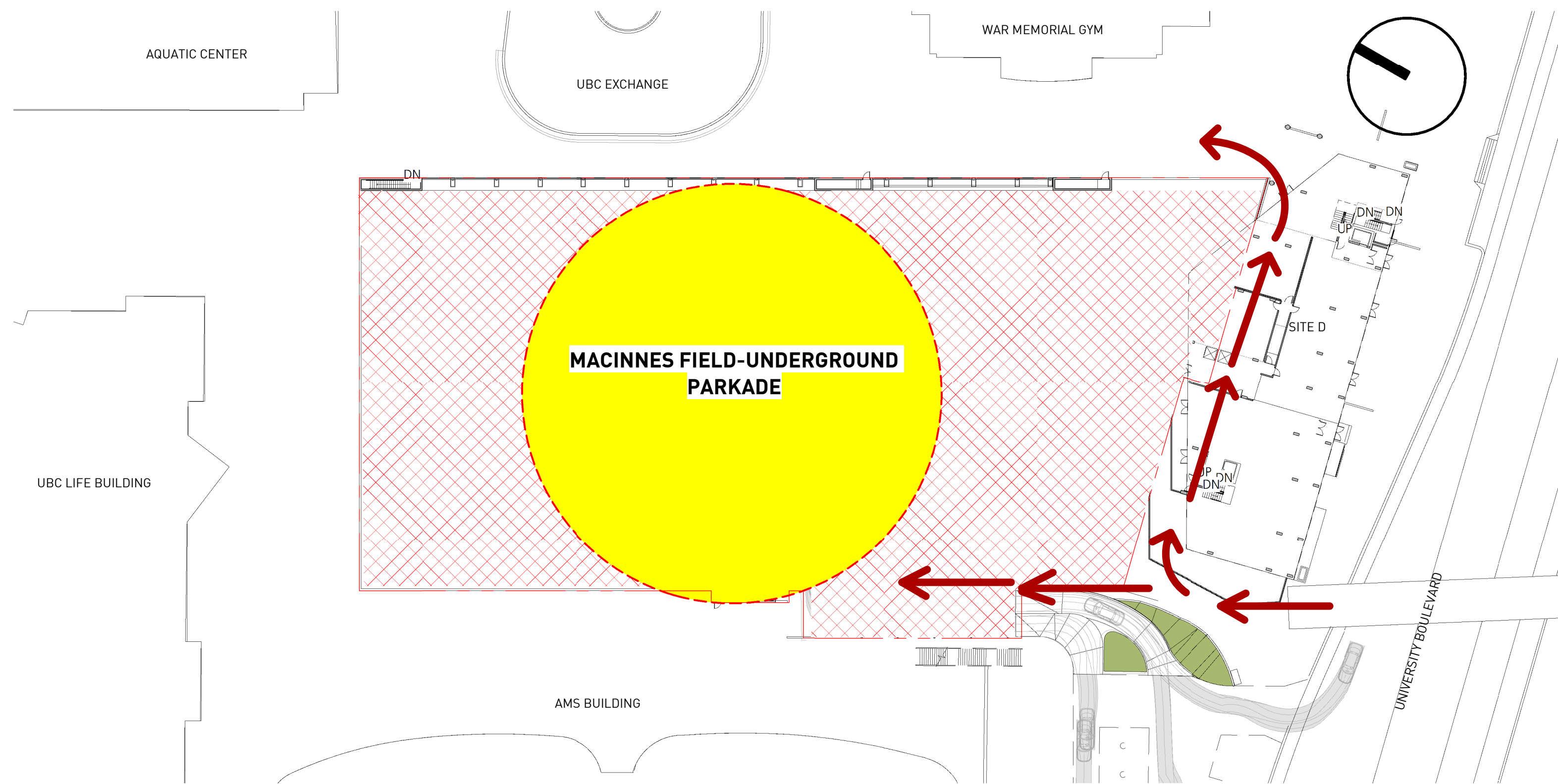
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MacInnes-Underground
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Context-grades &
pictures

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A-1.04



DESIGN RATIONALE

MacInnes field parking is surrounded by five buildings and a bus loop, this generates an important flow of pedestrians in all directions. The field will be the center of the open space, hosting, sports events, social activities, plaza, "the place to gather".

Two important pedestrian circulation were generated, one is in between south side of MacInnes field and site D. running from East to West, and the other circulation is from north to south in between MacInnes field and the parking Entry ramp.

The volumes at the exit stairs from the parkade were located at the east side, aligning the element with the concrete seat and trellis, this volumes will break the monotony of the seat area creating a dynamic movement. The trellis will cover part of the pedestrian pad at the other side of the field (east side).

The entry ramp to the parkade is located at the south west corner which is the most effective location to mitigate pedestrian interaction. Measures to maximize vehicular flow include making the surface material of the ramp distinguishable from the rest of the paving surface as this will improve legibility and circulation hierarchy. Pedestrians will also be directed along other paths of travel not crossing the entrance to minimize interference.

The rectangular shape of the parking allows for efficiency of the space, and generates a maximum number of parking stalls and an easy arrangement for the fields on top.

At the south side of the MacInnes parking a we will allow for a future possibility of connection with the site D parkade.

The parking counts with multiple pedestrian emergency exits with a travel distance less than 45m from the farthest distance. It also relies on two elevators at the north east portion and the south for accessibility, with this we promote the participation of people with disabilities.

REVISIONS		
NO.	DATE	DESCRIPTION
01	JUNE 2, 2016	DEVELOPMENT PERMIT
02	JULY 26, 2016	DEVELOPMENT PERMIT
03	JULY 12, 2017	RE-SUBMISSION
04	NOV. 16, 2017	DEVELOPMENT PERMIT
		RE-SUBMISSION
		ISSUED FOR EXCAVATION
		TENDER

RE-ISSUED FOR DP

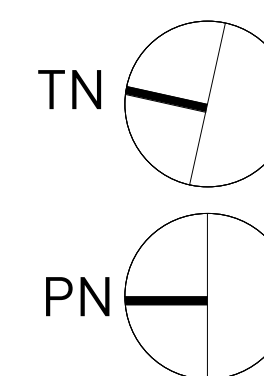
MacInnes-Field
Underground parkade
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Design Rationale

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2017-08-18

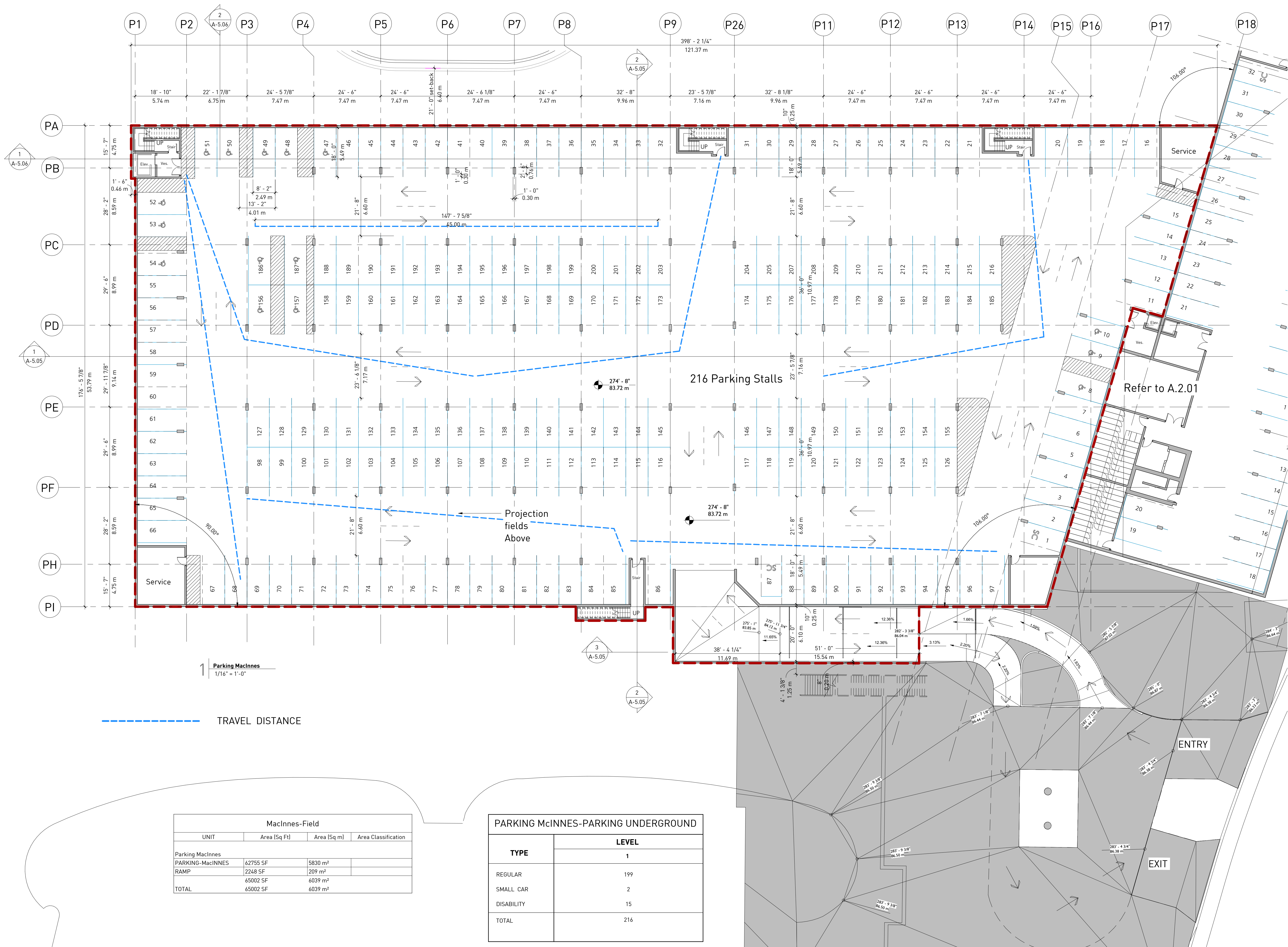


MacInnes-Underground
Parking
UNIVERSITY
BOULEVARD, UBC

Parking-MacInnes-Field

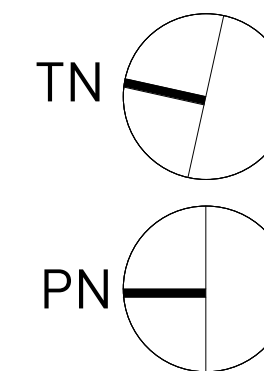
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DRAWN BY Author
CHECKED BY Checker
SCALE As indicated
JOB NUMBER 1617

A-2.02



REVISIONS

NO.	DATE	DESCRIPTION
03	JUNE 29, 2017	DEVELOPMENT PERMIT RE-SUBMISSION

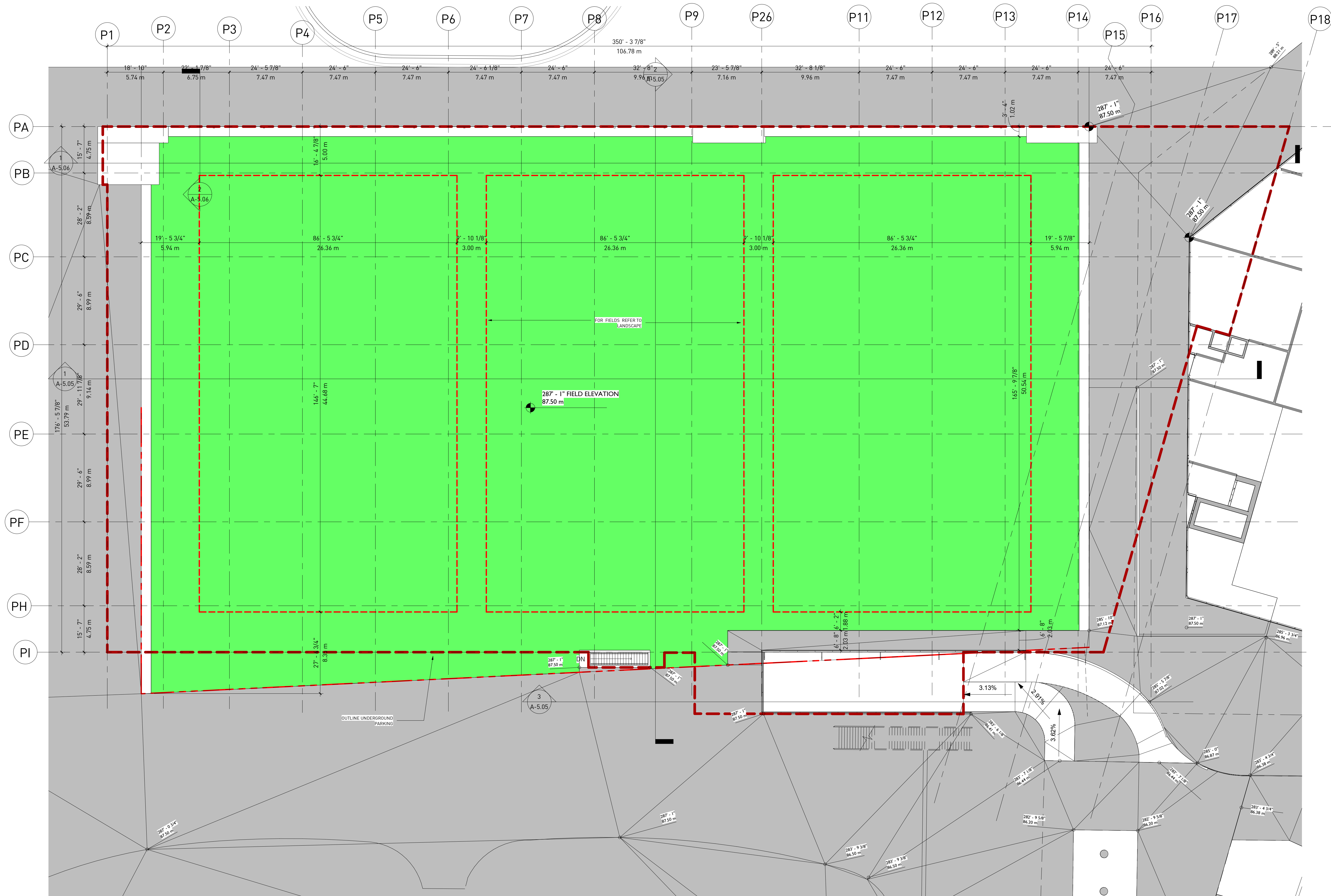


MacInnes-Underground
Parking
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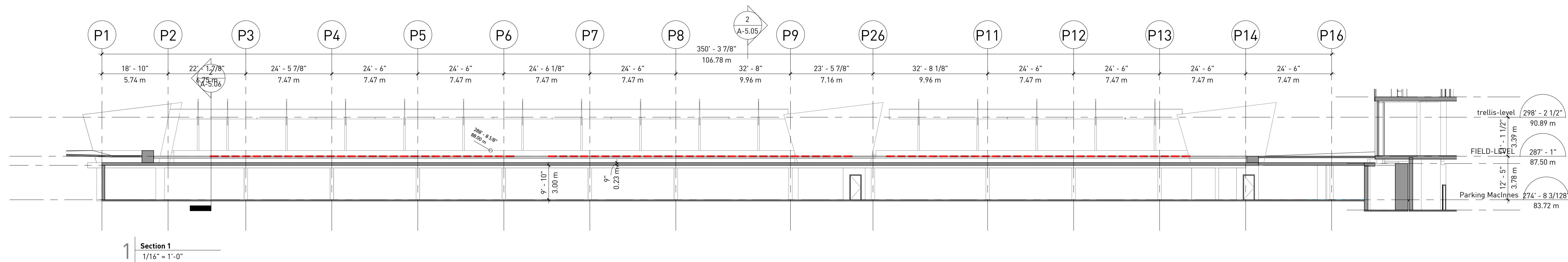
Field level

DATE	8/17/2017 8:49:15 PM
DRAWN BY	Author
CHECKED BY	Checker
SCALE	1/16" = 1'-0"
JOB NUMBER	1617

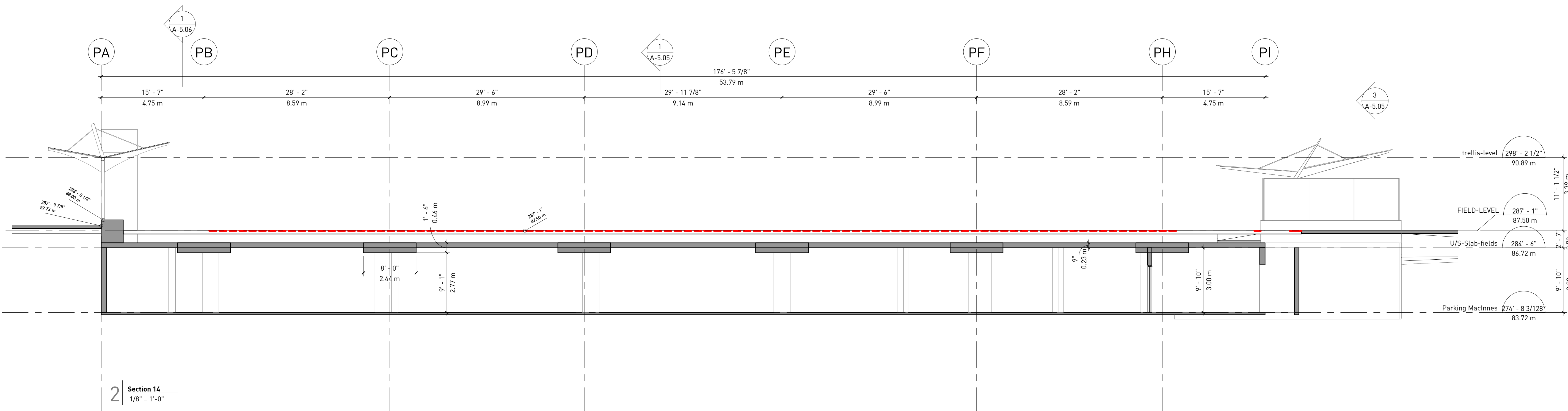
A-2.03



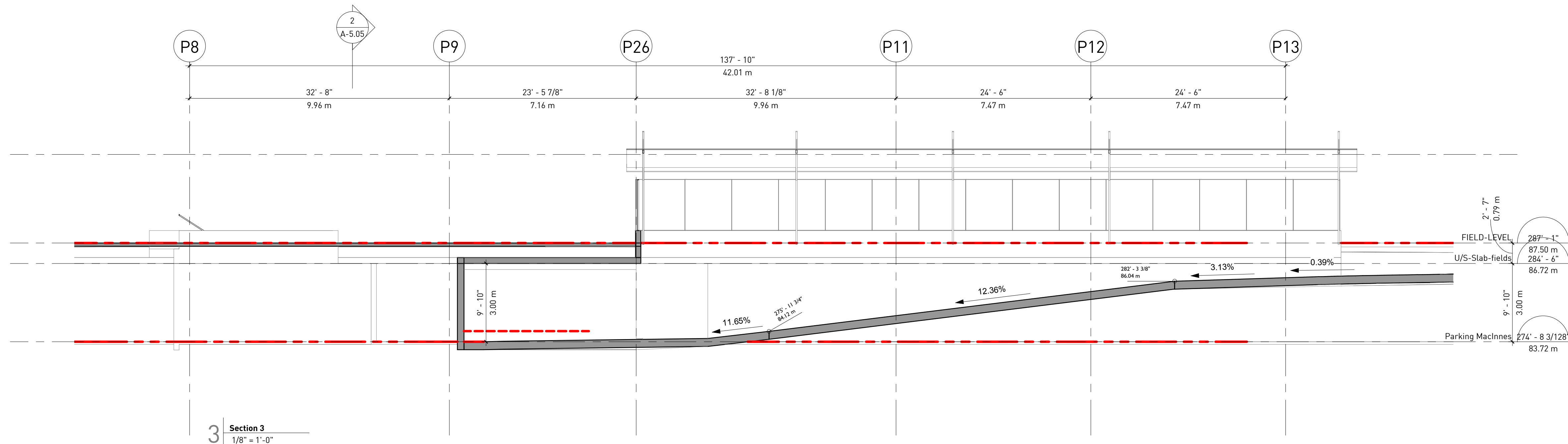
1 FIELD-LEVEL
1/16" = 1'-0"



1 Section 1
1/16" = 1'-0"



2 Section 14
1/8" = 1'-0"



3 Section 3
1/8" = 1'-0"

REVISIONS

NO.	DATE	DESCRIPTION
01	AUGUST 18, 2017	DEVELOPMENT PERMIT

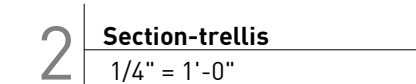
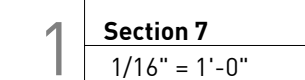
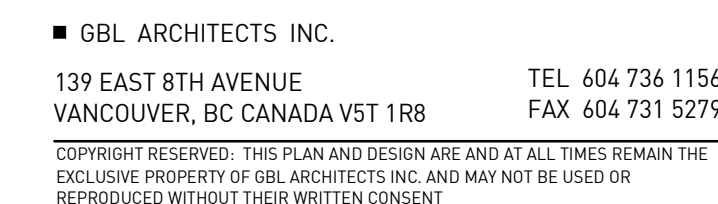
ISSUED FOR DP
2017-08-18

MacInnes-Underground
Parking
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Sections-MacInnes
field

DATE	8/17/2017 8:49:16 PM
DRAWN BY	Author
CHECKED BY	Checker
SCALE	As indicated
JOB NUMBER	1617

A-5.05



REVISIONS		
NO.	DATE	DESCRIPTION
01	AUGUST 18, 2017	DEVELOPMENT PERMIT

MacInnes-Underground
Parking
UNIVERSITY
BOULEVARD, UBC

DATE	8/17/2017 8:49:17 PM
DRAWN BY	Author
CHECKED BY	Checker
SCALE	As indicated
JOB NUMBER	1617

A-5.06