

LAC LA BICHE COUNTY

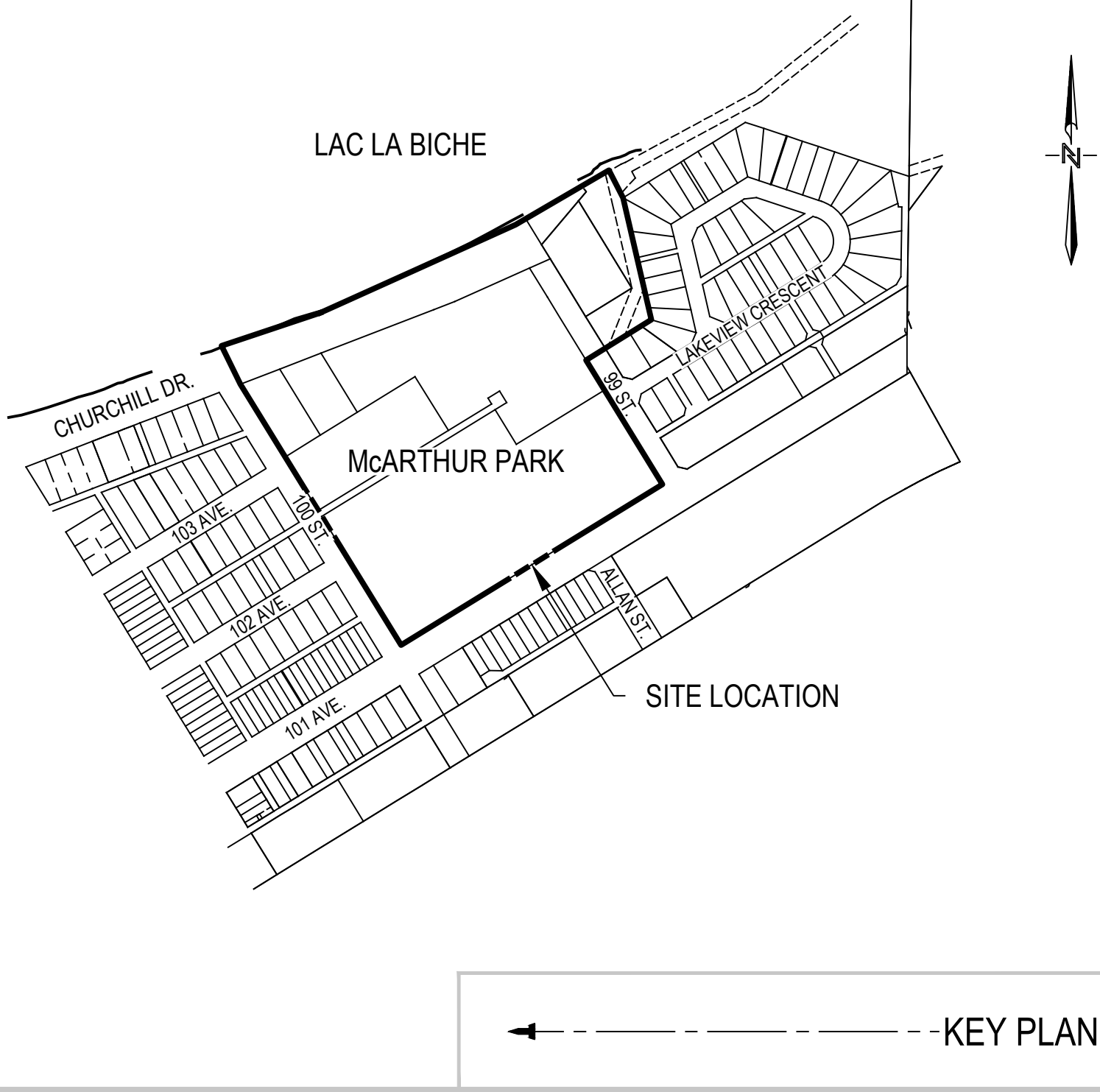
McARTHUR PARK

PHASE 2

LOT 1MR, PLAN 4313BF AND LOTS 2 & 3R, BLOCK 42, PLAN 792 0210 AND
LOT 1A & 2A, BLOCK 42, PLAN 812 2715
LAC LA BICHE ALBERTA

PROJECT NO. C22-092

SUBMISSION 1
ISSUED FOR TENDER
2024.02.23



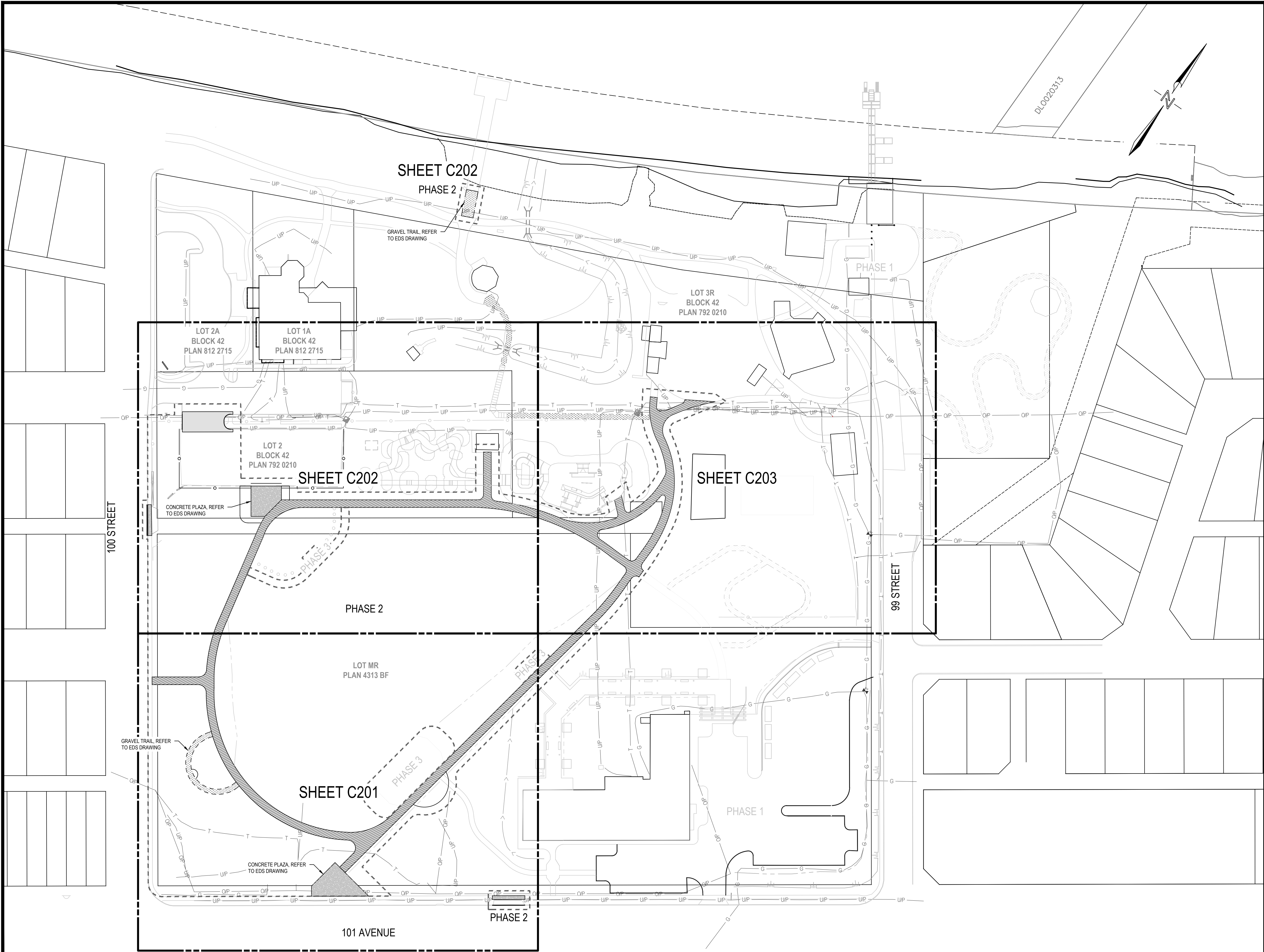
V3 COMPANIES OF CANADA LTD.

Visio, Vertere, Virtute...
"The Vision to Transform with Excellence"

Suite 130, 2899 Broadmoor Blvd. Sherwood Park, Alberta T8H 1B5 Ph: 780-482-3700 WWW.V3CO.CA

LIST OF DRAWINGS

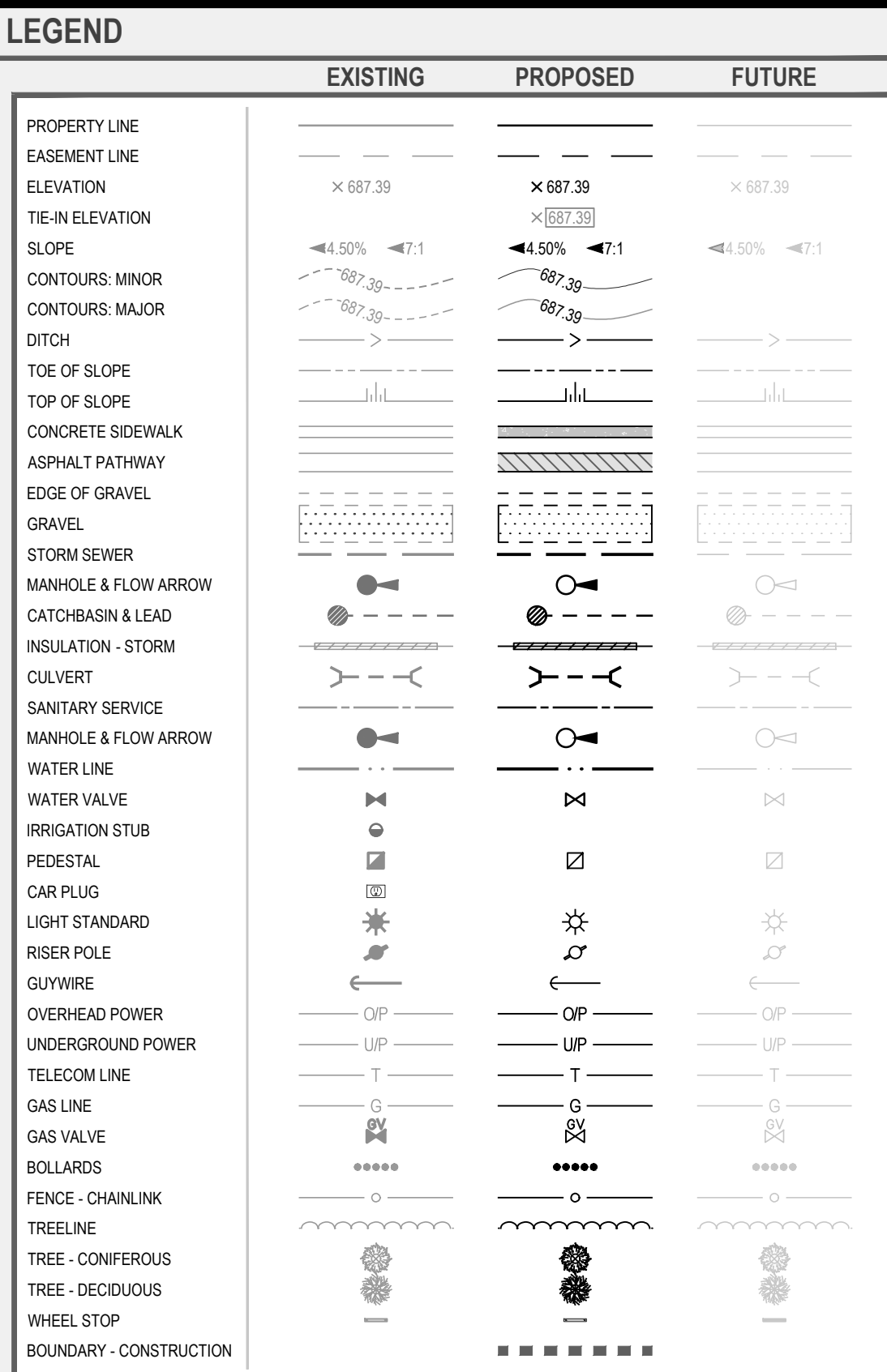
SHEET	TITLE
C100	COVER
C200	INDEX PLAN
C201	GRADING PLAN - SOUTHWEST
C202	GRADING PLAN - NORTHWEST
C203	GRADING PLAN - NORTHEAST
C500	STANDARD DETAILS



LEGEND	EXISTING	PROPOSED	FUTURE
PROPERTY LINE			
EASEMENT LINE			
ELEVATION	× 687.39	× 687.39	× 687.39
TIE-IN ELEVATION		× 687.39	
SLOPE	4.50% 7:1	4.50% 7:1	4.50% 7:1
CONTOURS: MINOR	687.39	687.39	687.39
CONTOURS: MAJOR	687.39	687.39	687.39
DITCH			
TOE OF SLOPE			
TOP OF SLOPE			
CONCRETE SIDEWALK			
ASPHALT PATHWAY			
EDGE OF GRAVEL			
GRAVEL			
STORM SEWER			
MANHOLE & FLOW ARROW			
CATCHBASIN & LEAD			
INSULATION - STORM			
CULVERT			
SANITARY SERVICE			
MANHOLE & FLOW ARROW			
WATER LINE			
WATER VALVE			
IRRIGATION STUB			
PEDESTAL			
CAR PLUG			
LIGHT STANDARD			
RISER POLE			
GUYWIRE			
OVERHEAD POWER			
UNDERGROUND POWER			
TELECOM LINE			
GAS LINE			
GAS VALVE			
BOLLARDS			
FENCE - CHAINLINK			
TREELINE			
TREE - CONIFEROUS			
TREE - DECIDUOUS			
WHEEL STOP			
BOUNDARY - CONSTRUCTION			

- GENERAL
- DIMENSIONS ARE IN METRES AND DECIMALS THEREOF.
 - EXISTING GROUND SURVEY COMPLETED BETWEEN NOVEMBER 18-26, 2022 BY CHALLENGER GEOMATICS LTD.
 - ELEVATIONS ARE GEODETIC AND REFER TO ASCM 141473, ELEV. = 522.359m
 - CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & PROTECTING EXISTING UTILITIES.
 - ALL TIE-IN INVERTS TO BE CONFIRMED BY CONTRACTOR PRIOR TO START OF CONSTRUCTION.
 - ALL CONSTRUCTION TO BE COMPLETED IN ACCORDANCE WITH THE CURRENT LAC LA BICHE COUNTY GENERAL MUNICIPAL SERVICING STANDARDS
 - PROPOSED PIPE MATERIAL
 - STORM - PVC DR-35
 - REFER TO CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTION DETAILS.
 - AREA WAS COVERED IN SNOW AND ICE. SOME FEATURES MAY NOT HAVE BEEN SURVEYED AS THEY WERE NOT VISIBLE.
 - SOME UTILITY LINES WERE DRAWN IN BASED ON UTILITY MAPPING PROVIDED BY MUNICIPALITY.
 - THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF SURVEY.
 - CALL ALBERTA ONE CALL: 1-800-242-3447

SUBMISSION			STAMP:			PERMIT:			KEY PLAN:			V3 COMPANIES OF CANADA LTD.			CLIENT:			PROJECT:			SHEET:								
SUB	DATE	NATURE OF SUBMISSION	DESIGN	DRAWN	CHECK													LAC LA BICHE COUNTY			McARTHUR PARK PHASE 2			C200					
1	2024.02.23	ISSUED FOR TENDER	BEV	VL	MAV							Suite 130, 2899 Broadmoor Blvd. Sherwood Park, Alberta T8H 1B5 Ph: 780-482-3700 WWW.V3CO.CA			PROJECT NO. C22-092			SCALE: 1:750			LOT 1MR, PLAN 4313BF AND LOTS 2 & 3R, BLOCK 42, PLAN 792 0210 AND LOT 1A & 2A, BLOCK 42, PLAN 812 2715 LAC LA BICHE, ALBERTA			SUB: 1					
																				DISCLAIMER: CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & PROTECTING ALL EXISTING UTILITIES									



2. DIMENSIONS ARE IN METRES AND DECIMALS THEREOF, UNLESS OTHERWISE NOTED.
3. EXISTING GROUND SURVEY COMPLETED BETWEEN NOVEMBER 18, 2022 BY CHALLENGER GEOMATICS LTD.
4. ELEVATIONS ARE GEODETIC AND REFERRED TO CANADIAN MEAN SEA LEVEL = 150.000 METRES.
5. CONSTRUCTION OF ALL INFRASTRUCTURE SHALL CONFORM TO THE MOST RECENT MUNICIPALITY'S ENGINEERING STANDARDS & CONSTRUCTION SPECIFICATIONS. LCA BACHE DESIGN GUIDELINES AND CONSTRUCTION STANDARDS WAS REFERENCED IN COMPILED ENGINEERING DRAWINGS.
6. CONTRACTORS ARE RESPONSIBLE TO ENSURE ALL CROSSING AND PROXIMITY AGREEMENTS ARE IN PLACE PRIOR TO CONSTRUCTION.
7. ALL SURFACE & UNDERGROUND ELEVATIONS ARE FINISHED OR FINAL DESIGN ELEVATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & PROTECTING ALL EXISTING UTILITIES.
9. THE MINIMUM ALLOWABLE DITCH GRADE SHALL BE 0.5%. DITCH GRADES IN EXCESS OF 2.0% SHALL BE PROTECTED AGAINST EROSION THROUGH SYNTHETIC PERMEABLE BARRIERS, SLT FENCES, AND/OR STRAW MATTING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE PART OF ALL HIS SUBCONTRACTORS AND OTHER PERSONS ON THE WORK SITE, WITH THE ALBERTA OCCUPATIONAL HEALTH AND SAFETY ACT/OCODE AND ALL APPLICABLE REGULATIONS.
11. ALL CROSSINGS AND CONSTRUCTION WITHIN EXISTING RIGHT-OF-WAYS AND EASEMENTS, MUST BE DONE IN ACCORDANCE WITH UTILITY OWNERS REQUIREMENTS.
12. SLOPED SURFACES SHALL BE PLACED IN 1:1 HORIZONTAL LIFTS AND COMPACTED TO 98% S.P.D. AT EACH LIFT IN ACCORDANCE WITH MUNICIPALITIES REQUIREMENTS. MOUNTAINS CONDITIONING WILL BE CONSIDERED INCIDENTAL TO THIS WORK.
13. TO ENSURE POSITIVE DRAINAGE, ALL FINISHED SURFACE WORK TO MAINTAIN A MINIMUM 2% SLOPE WITH NO ISOLATED LOW AREAS, UNLESS OTHERWISE SPECIFIED ON THE ENGINEERING DRAWINGS.
14. ALL SUBSURFACE WORK INCLUDING SUBSURFACE PROTECTION, CRANIALS BASE COURSE, TO BE PERFORMED AT REGULAR FREQUENCIES AS SPECIFIED IN THE MUNICIPALITIES CONSTRUCTION SPECIFICATIONS.
15. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS.

1. ALL ORGANIC AND DELETERIOUS MATERIAL TO BE REMOVED FROM STRIPPED/WORKED AREAS WITHIN SITE LIMITS SPECIFIED ON THE APPROVED DESIGN DRAWINGS. STRIPPING LIMITS TO BE APPROVED BY GEOTECHNICAL ENGINEER.


1. FILL MATERIAL TO BE PLACED IN SUCCESSIVE HORIZONTAL LIFTS AND COMPACTED TO 98% S.P.D. EACH LIFT SHALL NOT EXCEED A COMPACTED DEPTH OF 150mm. COMPACTION OF 95% S.P.D. MAY BE ACCEPTABLE IN DESIGNATED LANDSCAPE AREAS IF SPECIFIED ON ENGINEERING DRAWINGS.
2. SCARIFY SUBGRADE OF FILL AREA PRIOR TO ANY LIFT PLACEMENT TO A MINIMUM DEPTH OF 150mm and COMPACT SUBGRADE TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST AND WITHIN \pm 2% OPTIMUM MOISTURE CONTENT.
3. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT OPTIMUM MOISTURE CONTENT IS MAINTAINED AND SHALL USE APPROPRIATE MOISTURE ADJUSTMENT PROCEDURES WHEN NECESSARY. TO BEST ACHIEVE REQUIRED COMPACTION, THE SOIL SHOULD BE WITHIN \pm 2% OF OPTIMUM MOISTURE CONTENT.
4. GRADED SURFACES MUST MEET A GRADE TOLERANCE OF \pm 25mm AND MUST NOT BE UNIFORMLY HIGH OR LOW.

1. CONTRACTOR IS RESPONSIBLE TO ESTABLISH, MONITOR, MAINTAIN AND REMOVE ALL NECESSARY EROSION CONTROL MEASURES TO PREVENT SOIL EROSION AND SOIL-BEARING WATER RUNOFF TO NEIGHBOURING PROPERTIES AND ROADWAYS FOR THE DURATION OF THE PROJECT.
2. PERIMETER CONTROLS SUCH AS SILT FENCE SHOULD BE IMPLEMENTED AT THE EDGE OF THE CURRENT WORK AREA TO FILTER RUNOFF BEFORE IT LEAVES THE SITE.
3. INSPECT EROSION CONTROL MEASURES BI-WEEKLY AND AFTER MAJOR STORM EVENTS.
4. CONTRACTOR IS TO ENSURE THAT ROADWAYS ADJACENT TO THE CURRENT WORK AREA ARE CLEAN AND FREE OF ALL MUD AND DEBRIS.

STAMP:



2024-03-07 ID 116095

CLIENT:	
<h1 style="margin: 0;">LAC LA BICHE COUNTY</h1>	
PROJECT NO. <h2 style="margin: 0;">C22-092</h2>	SCALE: <div style="text-align: center;">  <p>0 2 5 10 m</p> </div>

TITLE: **GRADING PLAN - NORTHEAST**

HEET: C203

UB: 1

DISCLAIMER: CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & PROTECTING ALL EXISTING UTILITIES




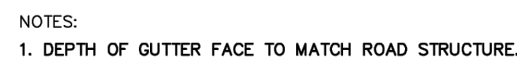
NOTES:
1. DEPTH OF GUTTER FACE TO MATCH DEPTH OF ROAD STRUCTURE

General Municipal Servicing Standards



150 CURB WITH 250 GUTTER

Rev.		150 CURB WITH 250 GUTTER		
Rev.				
Rev.				
Rev. JUNE 2018 -- RV	File No.: ED55.39469	Design:	Approved:	Drawing G-24
Date: APRIL 2009	Drawn: TLB	Scale: NTS		




ALL DIMENSIONS
IN MILLIMETRES UNLESS
OTHERWISE NOTED

General Municipal Servicing Standards



1.5m MONOLITHIC WALK
WITH 150 CURB & GUTTER


Rev.			1.5m MONOLITHIC WALK WITH 150 CURB & GUTTER	
Rev.				
Rev.				
Rev. JUNE 2018 – RV	File No.: ED55.39469	Design:	Approved:	Drawing G-19
Date: APRIL 2009	Drawn: TLB	Scale NTS		

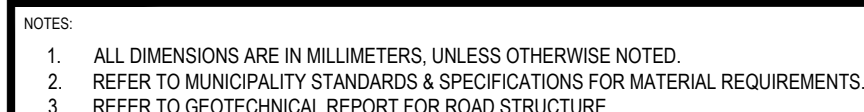


General Municipal Servicing Standards




PAVED WALKWAY / BIKE PATH

Rev.			PAVED WALKWAY / BIKE PATH	
Rev.				
Rev.				
Rev.				
Rev. JUNE 2018 – RV	File No.: ED55.39469	Design:	Approved:	Drawing G-22
Date: APRIL 2009	Drawn: TLB	Scale NTS		



DETAIL NO:

2.4.6

SCALE: 1:5	 <p>V3 COMPANIES OF CANADA LTD.</p> <p>Visio, Vertere, Virtute... "The Vision to Transform with Excellence"</p>	TITLE:
DATE: 2018.09.04		<p>150 BARRIER CURB</p> <p>CROSS-SECTION VIEW</p>
DRAWN: R.J.A.Y.		

STAMP:



2024-03-07 ID 116095

PERMIT:

**PERMIT TO PRACTICE
V3 COMPANIES OF CANADA LTD.**

RM SIGNATURE: 128

RM APEGA ID #: 159272

DATE: Mar. 7 2024

PERMIT NUMBER: P010899
The Association of Professional Engineers and
Geoscientists of Alberta (APEGA)



V3 COMPANIES OF CANADA LTD.



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Sherwood Park, Alberta T8H 1B5
Ph: 780-482-3700
WWW.V3C.O.C.A

Visio, Vertere, Virtute...

"The Vision to Transform with Excellence"

PROJECT NO.
C22-092

SCALE:

AS SHOWN

TITLE: **STANDARD DETAILS**

SHEET: C500

SUB: ,

DISCLAIMER: CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING & PROTECTING ALL EXISTING UTILITIES