

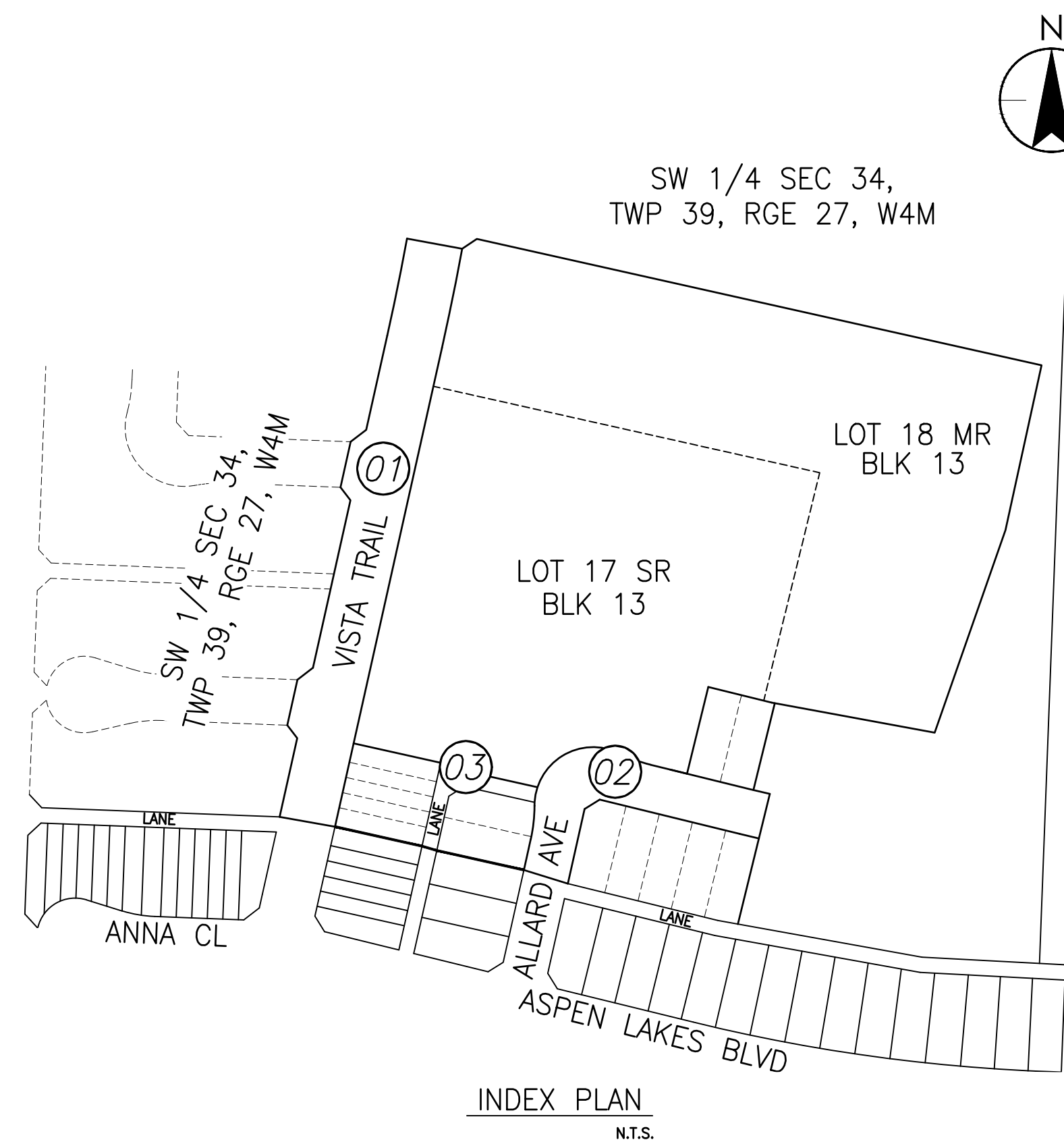
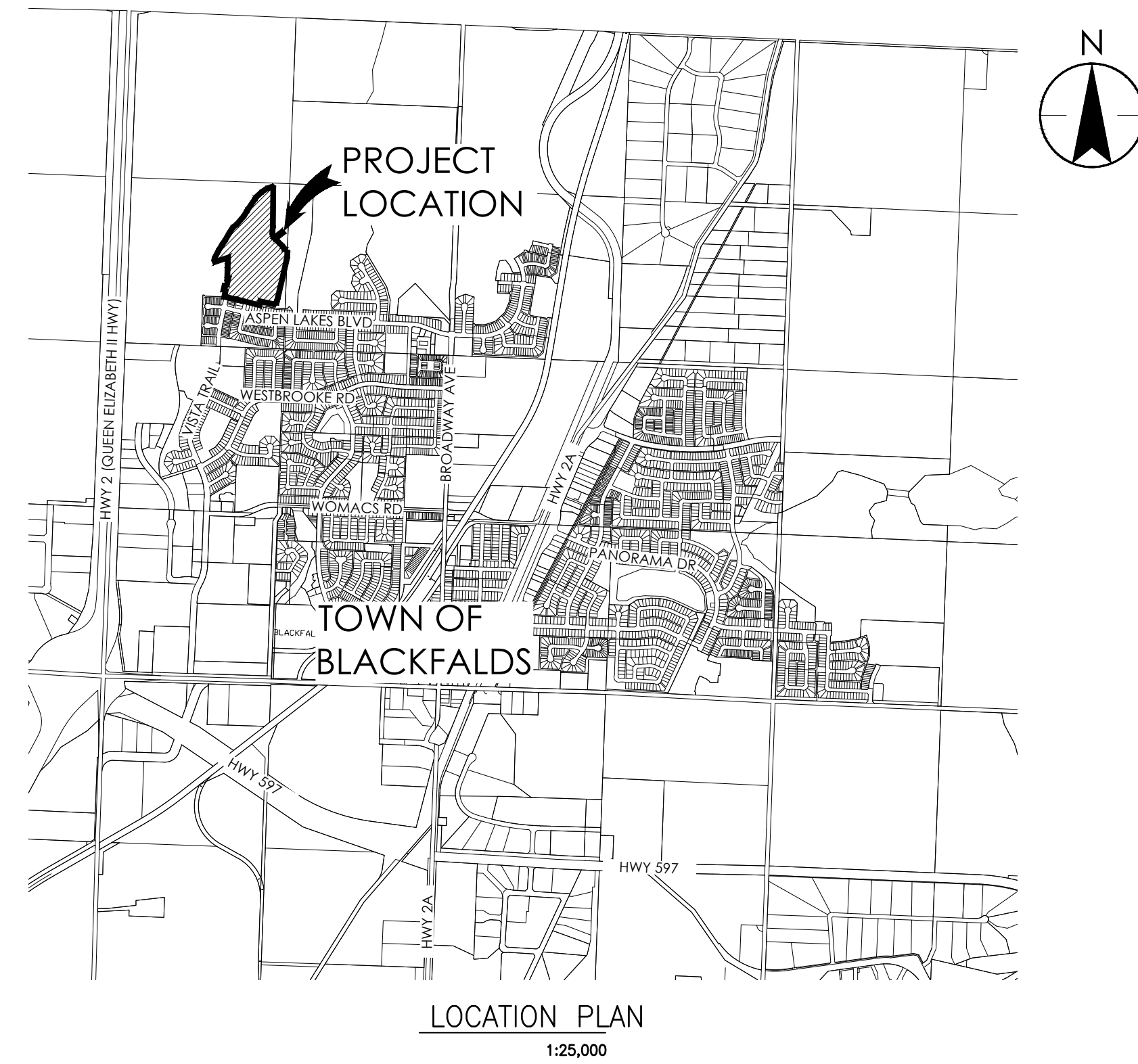


ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

JULY 2024

Project Number: 1161109975



Sheet List Table	
Sheet Number	Sheet Title
00	Cover
01	Index Plan & List of Drawings
02	Plan of Subdivision
C01A	Site Grading Plan
C01B	Cut - Fill Plan
C01C	Excess Fill Grading Area
C02	Roadway Grading Plan
C03	Signage & Pavement Marking Plan
C04	Overall Utilities Plan
C05	Water Distribution Plan
C06	Water Flushing Plan
C07	Sanitary Sewer System
C08	Major Storm Drainage Plan
C09	Minor Storm Sewer Plan
C10	Building Grade Plan
P01	Vista Trail STA 1+060 TO STA 1+360
P02	Allard Avenue STA 2+000 TO STA 2+240
P03	Lane A STA 5+000 to 5+120 and STA 6+000 to 6+080

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18
Issued			
File Name: 109975_cv	ERH	ERH	LLG 2024.06.03
	Dwn.	Dign.	Chkd. YYYY.MM.DD

Permit/Seal

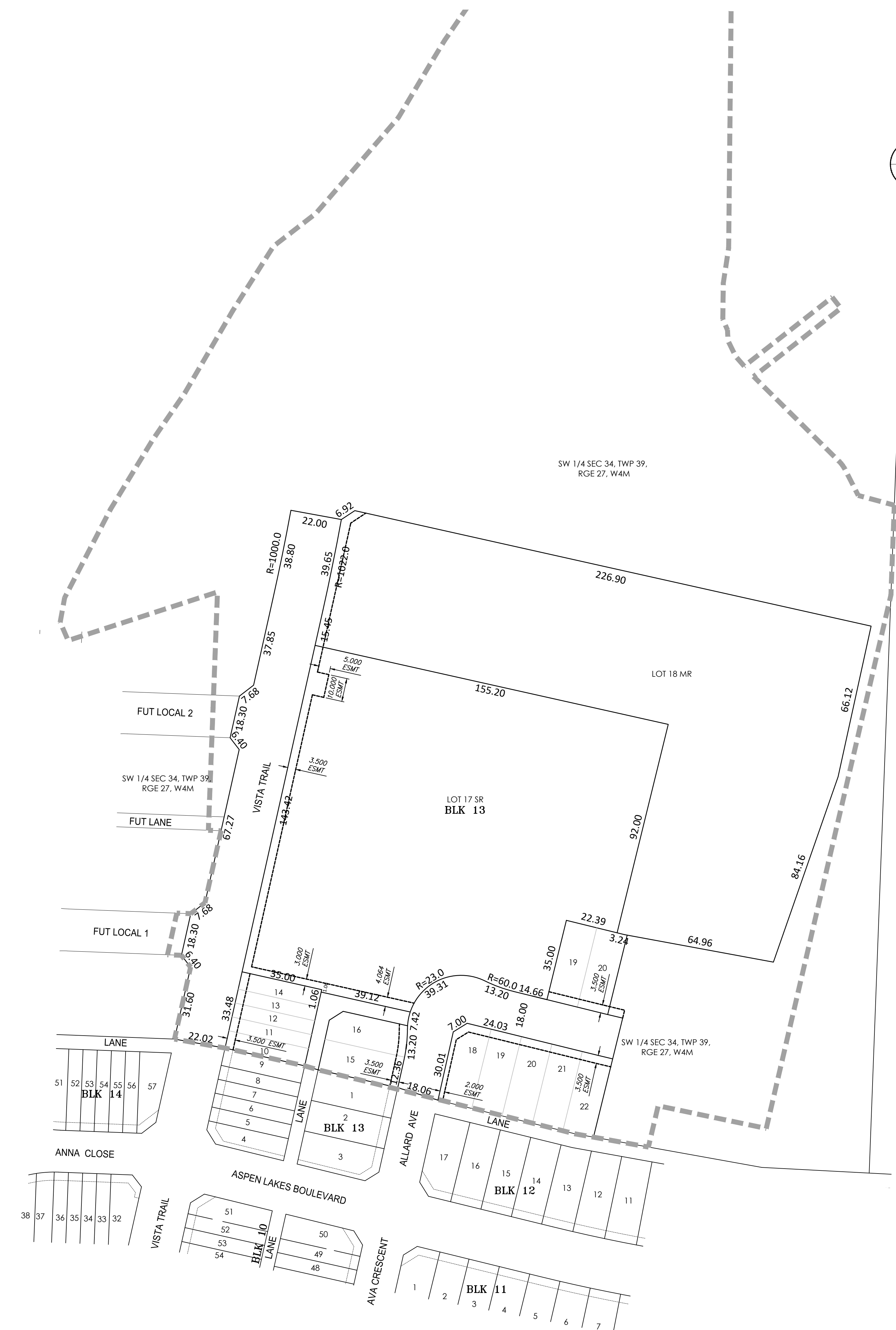
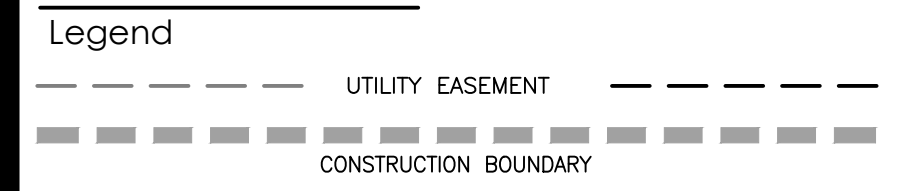
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB CANADA

Title
INDEX PLAN & LIST OF DRAWINGS

Project No. 1161109975	Scale AS SHOWN
Revision Sheet 0 2 of 18	Drawing No. 01



Revision	By	Appd	YYYY.MM.DD
G ---	---	---	----
F ---	---	---	----
E ---	---	---	----
D ---	---	---	----
C ---	---	---	----
B ISSUED FOR TENDER	ERH	ADF	2024.07.23
A ISSUED FOR APPROVAL	ERH	ADF	2024.06.18

Issued	By	Appd	YYYY.MM.DD	
File Name: 109975_cv	ERH	ERH	LLG	2024.06.03
	Dwn.	Dign.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB CANADA

Title
PLAN OF SUBDIVISION

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 3 of 18
Drawing No. 02	

D
C
B
A
 U:\1161109975\AspenLakesWest\DWG\109975_CV.dwg
 2024/07/23 10:03 AM
 ORIGINAL SHEET - ARCHD

Legend	
	BOREHOLE NUMBER BOREHOLE GROUND ELEVATION
	ORIGINAL GROUND CONTOURS
	FINISHED DESIGN GRADE CONTOURS
	SILT FENCE
	TOPSOIL BERM
	TOPSOIL 250mm THICK
	CONSTRUCTION BOUNDARY
EXISTING	
	CURB AND GUTTER
	STORM SEWER
	SANITARY SEWER
	WATERLINE
	MANHOLE
	CATCH BASIN MANHOLE
	STANDARD FACE CATCH BASIN (K-1)
	ROLLED FACE CATCH BASIN (SK-7)
	WATER VALVE
	FIRE HYDRANT VALVE
	FIRE HYDRANT
	REDUCER

- Notes**
- EROSION AND SEDIMENT CONTROL**
- INSTALL SILT FENCE AS SHOWN.
 - SILT FENCES TO CAPTURE SEDIMENTS ON THE UPHILL SIDE AT CURRENT PHASES AS NOTED ON DRAWING.
 - ALL SURFACE DRAINAGE FROM LANDS TO HAVE SEDIMENTATION BASINS CONSTRUCTED UPSTREAM OF INLETS. BASIN DEPTH TO BE 300mm MAXIMUM.
 - ALL CATCH BASINS TO HAVE SEDIMENT TRAPS UNTIL 2 YEARS AFTER CONSTRUCTION.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued	By	Appd	YYYY.MM.DD	
File Name: 109975c_gp	ERH	ERH	LLG	2024.06.03
	Dwn.	Dign.	Chkd.	YYYY.MM.DD

Permit/Seal

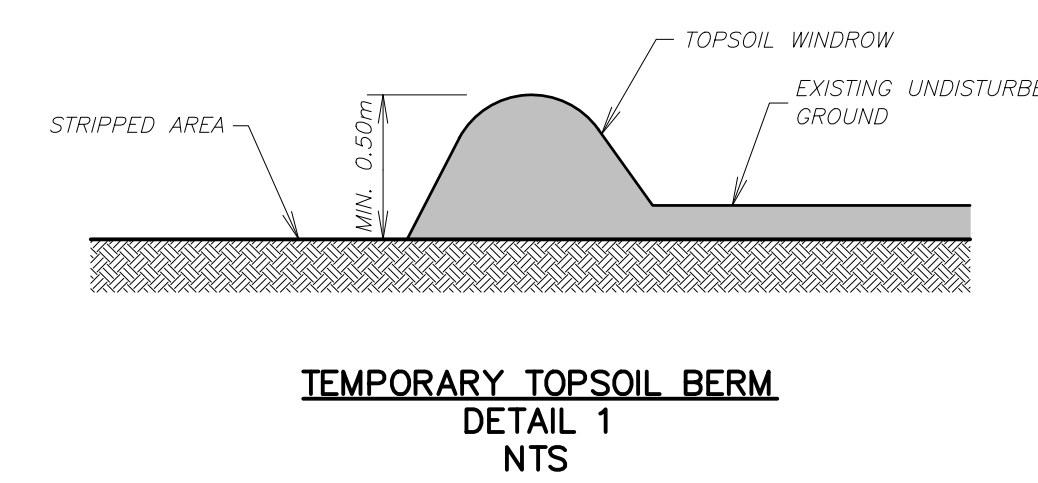
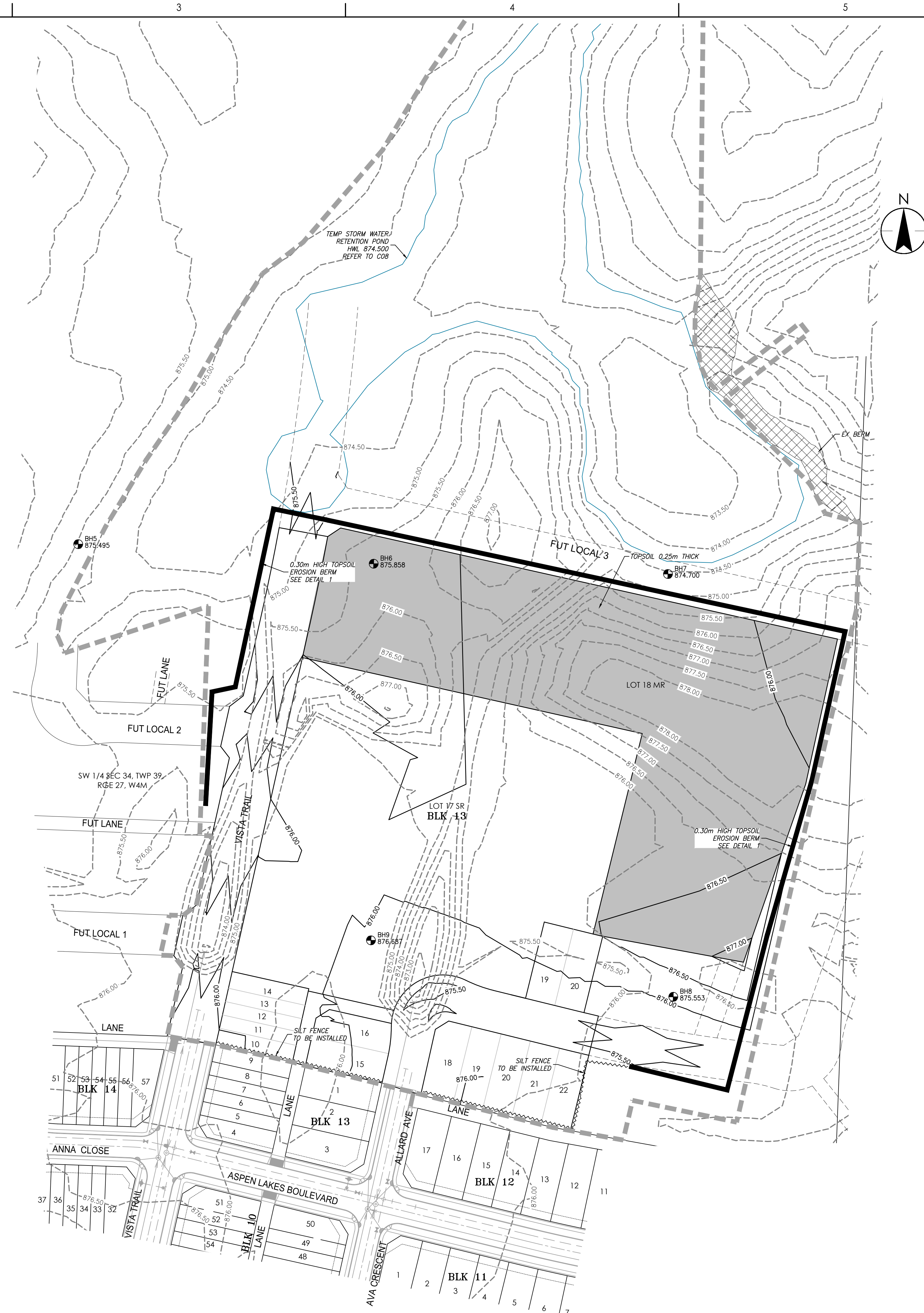
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB CANADA

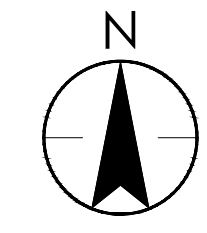
Title
SITE GRADING PLAN

Project No. 1161109975	Scale 1:1000
Revision Sheet 0 4 of 18	Drawing No. C01A



D
C
B
A

U:\1161109975\aspenlakes\civil\109975c_gp
2024.07.23 10:21:14 AM



Legend

- 0.20 CUT
- 0.40 FILL
- >1.00m FILL AREA
- TOPSOIL 250mm THICK



Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued

File Name	By	Appd	YYYY.MM.DD
109975c_gp	ERH	ERH	2024.06.03
	Dwn.	Dign.	Chkd.

Permit/Seal

Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

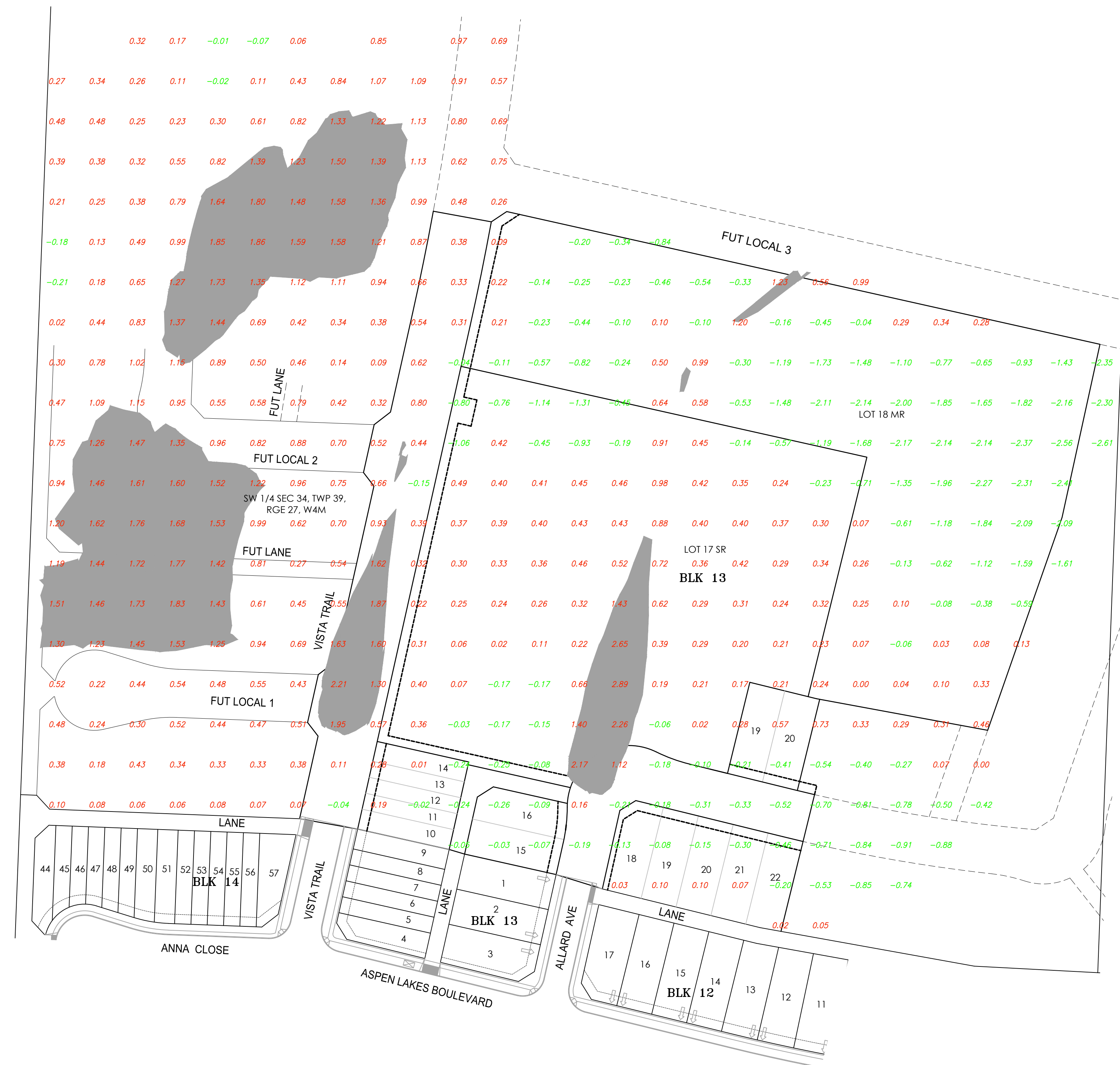
BLACKFALDS, AB CANADA

Title
CUT - FILL PLAN

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 5 of 18
Drawing No. C01B	

Legend

- 0.20 CUT
- 0.40 FILL
- >1.00m FILL AREA



Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued

File Name	ERH	ERH	LLG	2024.06.03
	Dwn.	Dign.	Chkd.	YYYY.MM.DD
109975c_gp				

Permit/Seal

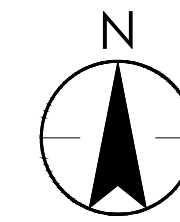
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB CANADA

Title
EXCESS FILL GRADING AREA

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 6 of 18
Drawing No. C01C	



EXISTING	FACE OF CURB	PROPOSED
○	MANHOLE	⊙
○	CATCH BASIN MANHOLE	⊙
▭	STANDARD FACE CATCH BASIN	▭
▭	ROLLED FACE CATCH BASIN	▭
⊕	POWER POLE	⊕
⊕	WATER VALVE	⊕
⊕	FIRE HYDRANT	⊕
▭	REINFORCED SIDEWALK CROSSING	▭
→	DIRECTION OF DRAINAGE	→
—	POST AND CABLE FENCING	—
—	GRASS SWALE	—
○	BOLLARDS	○
○	COMMUNITY MAILBOX	○
○	POTENTIAL TRANSIT STOP	○
---	CONSTRUCTION BOUNDARY	---

- NOTES**
- ALL CONSTRUCTION AND MATERIALS TO MEET TOWN OF BLACKFALDS SPECIFICATIONS.
 - REFER TO GEOTECHNICAL REPORT FOR EXISTING CONDITIONS AND CONSTRUCTION REQUIREMENTS.
 - CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND TOWN OF BLACKFALDS FORCES FOR THEIR PORTION OF THE WORK.
 - LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD. ANY CONFLICTS WITH PROPOSED UTILITIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
 - ALL ROAD GRADES SHOWN ARE TOP OF ASPHALT (TOA) = LIP OF GUTTER (LOG).

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B			
A			

Issued

File Name	By	Appd	YYYY.MM.DD
109975c_gp	ERH	ERH	2024.05.31
	Dwn.	Dgn.	Chkd.

Permit/Seal

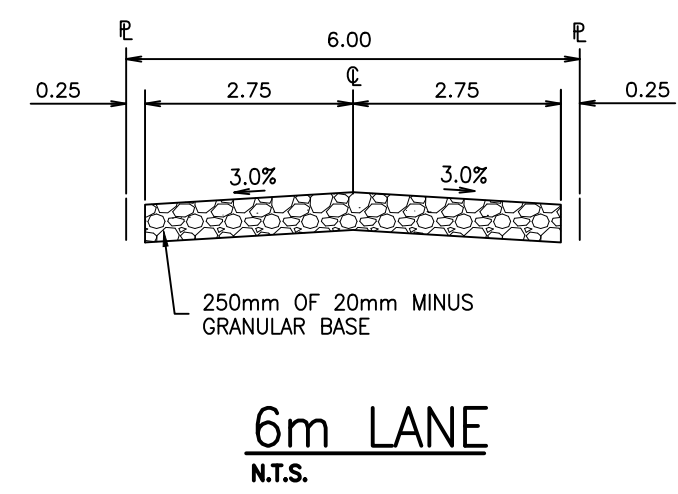
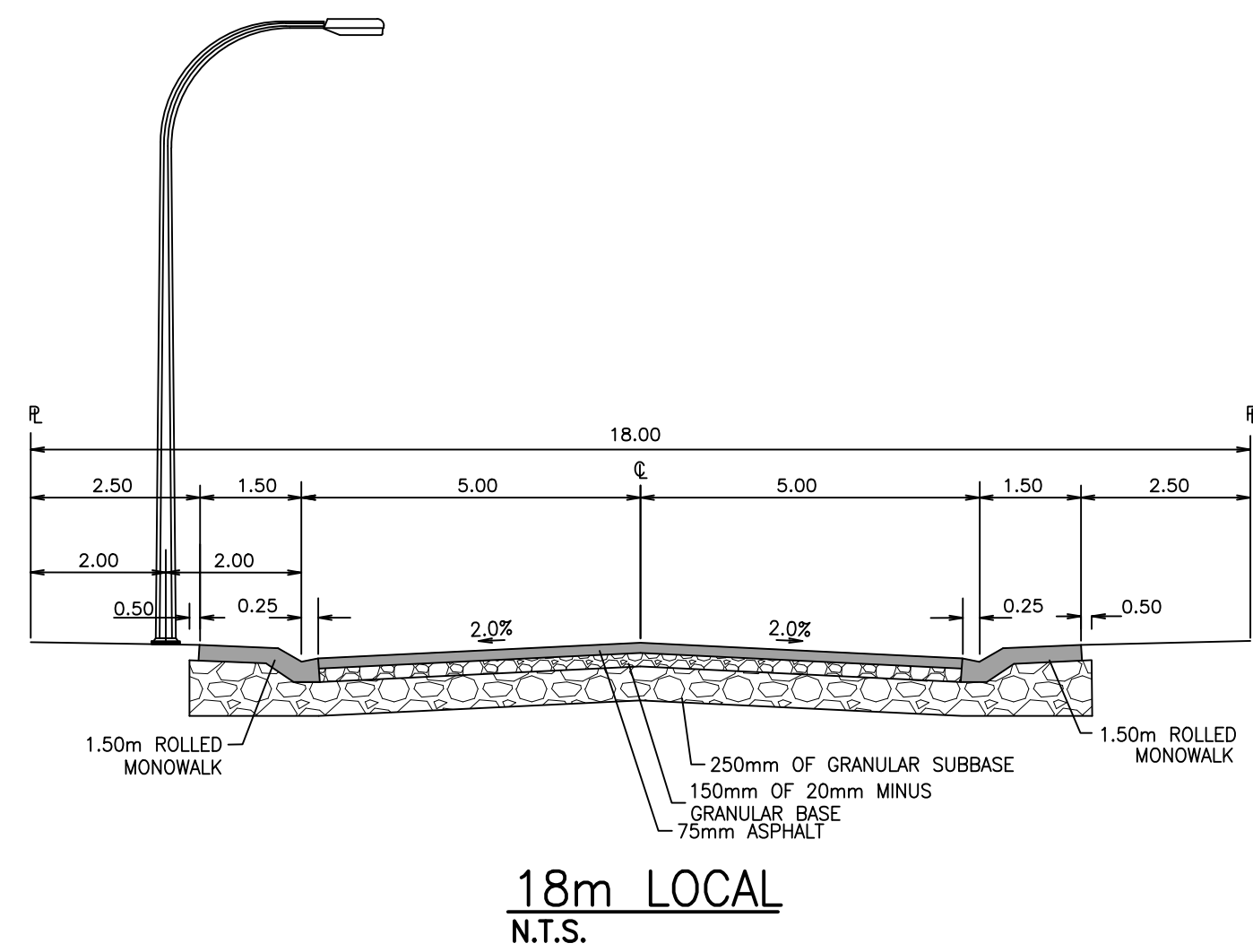
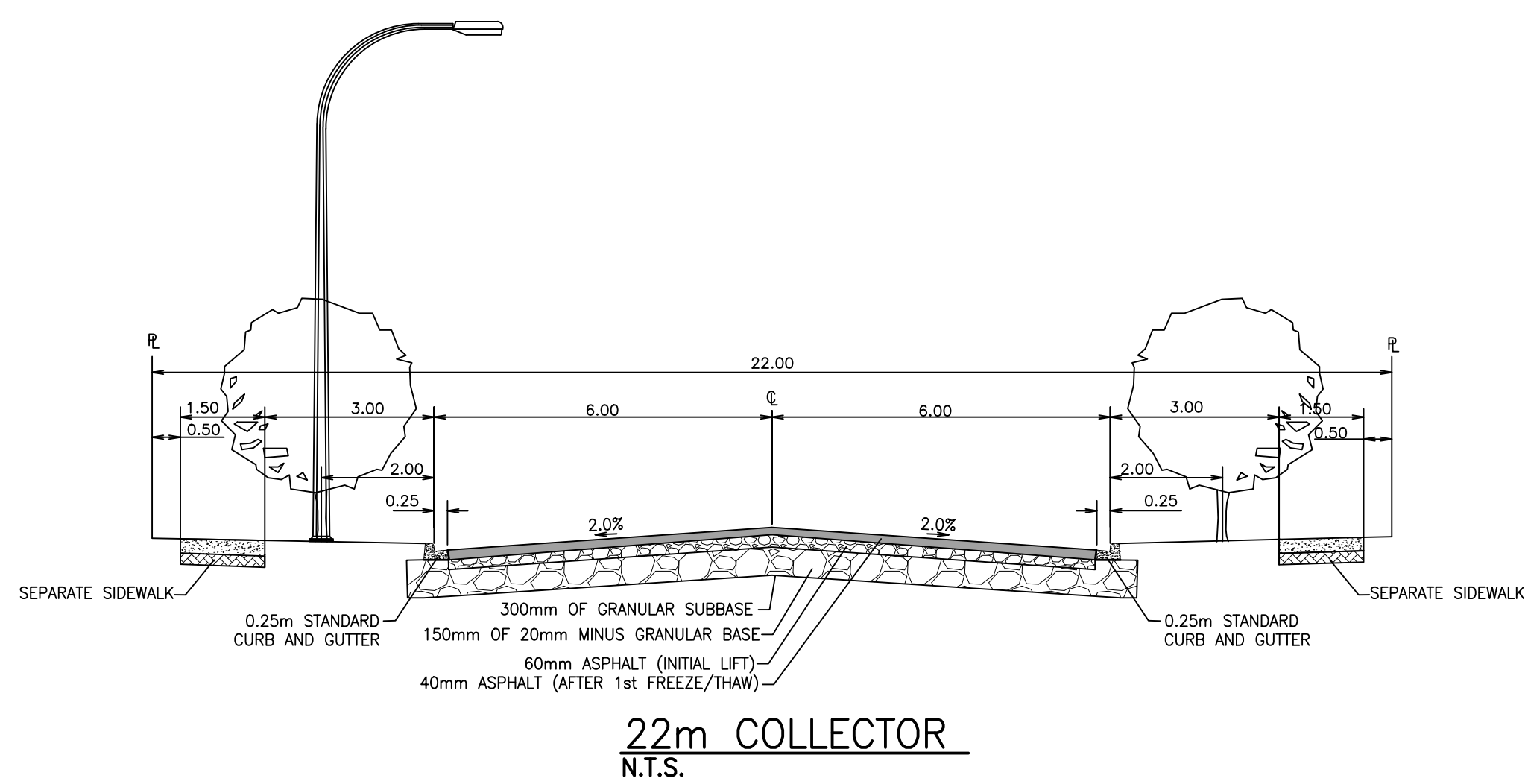
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB CANADA

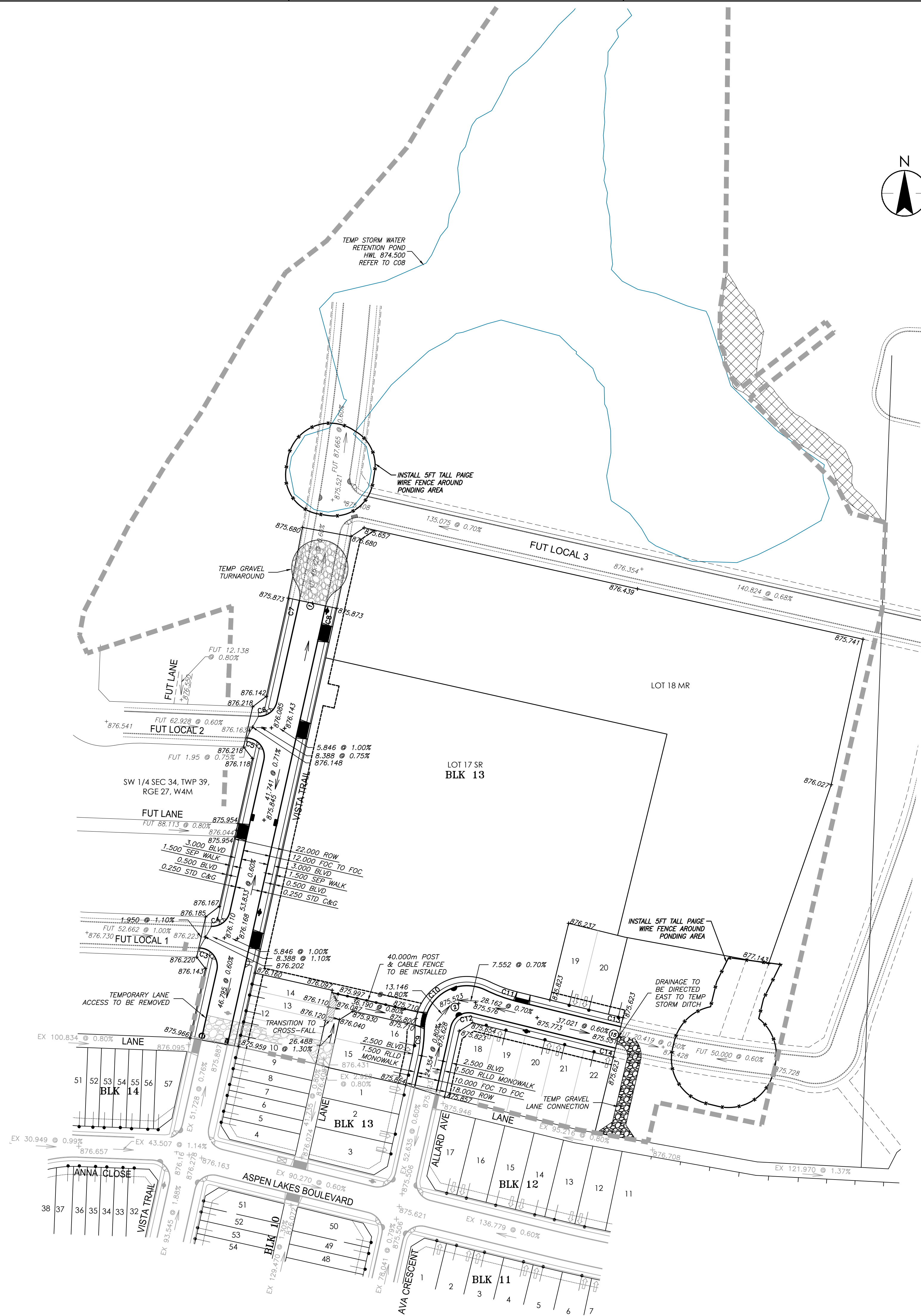
Title
ROADWAY GRADING PLAN

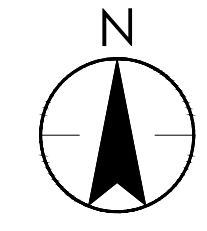
Project No. 1161109975	Scale 1:1000
Revision Sheet 0 of 18	Drawing No. C02



CURVE	RADIUS	LENGTH	TANGENT	DEFLECTION ANGLE
1	1010.997	141.333	70.782	8°00'35"
2	13.000	20.688	13.271	91°10'50"
15	604.000	92.849	46.516	8°48'28"

CURVE	RADIUS	LENGTH	TANGENT	DEFLECTION ANGLE
C3	8.000	14.020	9.604	100°24'41"
C4	8.000	11.113	6.664	79°35'19"
C5	8.000	14.020	9.604	100°24'41"
C6	8.000	11.113	6.664	79°35'19"
C7	1005.000	6.872	3.436	0°23'30"
C8	1017.000	7.014	3.507	0°23'43"
C9	64.000	14.078	7.068	12°36'12"
C10	19.000	38.596	30.636	116°23'15"
C11	64.000	14.078	7.068	12°36'12"
C12	8.000	12.731	8.167	91°10'50"
C13	599.000	92.081	46.131	8°48'28"
C14	609.000	93.618	46.901	8°48'28"





Legend

EXISTING	PROPOSED

- Notes**
- ALL PAVEMENT MARKINGS SHOWN OUTSIDE THE LIMITS OF CONSTRUCTION ARE FOR REFERENCE ONLY AND MAY NOT ACCURATELY REFLECT THE EXISTING MARKINGS OR CURRENT TOWN OF BLACKFALDS STANDARDS.
 - ALL NEW PAVEMENT MARKINGS ARE TO BE TIED TO EXISTING MARKINGS WHERE REQUIRED.
 - ALL PAVEMENT MARKINGS ARE TO BE TYPE 1 OR PAINT AS PER TOWN OF BLACKFALDS SPECIFICATIONS.
 - THE TOP AND FACE OF CURB SHALL BE PAINTED YELLOW WHERE THERE ARE NO TRAFFIC CONTROL DEVICES AT THE FOLLOWING LOCATIONS:
 - ON TRAFFIC ISLANDS AND TRAFFIC CALMING DEVICES;
 - FOR A DISTANCE OF 1.00m AT MEDIAN BULL NOSES; AND
 - FOR A DISTANCE OF 5.00m BEFORE AND AFTER ALL FIRE HYDRANT LOCATIONS.
 - INSTALL STREET NAME MARKER SIGNS AT EACH INTERSECTION. TOWN OF BLACKFALDS PUBLIC WORKS DEPARTMENT WILL CONFIRM THE INSTALLATION LOCATIONS IN THE FIELD.
 - ALL SIGNAL, PAVEMENT MARKINGS AND SIGNAGE ARE TO BE INSTALLED IN ACCORDANCE WITH TOWN OF BLACKFALDS TRAFFIC DESIGN GUIDELINES AND M.U.T.C.D.
 - AMEND SUBDIVISION PLAN SIGNS AND SUBDIVISION INFORMATION SIGNS.
 - DIMENSIONS ARE TO LIP OF GUTTER UNLESS OTHERWISE NOTED.
 - ALL PAINTED MARKINGS TO BE INSTALLED BY CITY FORCES.
 - LIMITS OF ALL PAVEMENT MARKINGS TO BE ESTABLISHED IN THE FIELD BY THE ENGINEER OR THEIR REPRESENTATIVE.
 - ALL EXISTING PAVEMENT MARKINGS WHICH HAVE BECOME OBSOLETE ARE TO BE REMOVED AS REQUIRED ONLY BY AN ACCEPTABLE METHOD APPROVED BY THE TRAFFIC ENGINEER OR THEIR REPRESENTATIVE.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18
Issued			
File Name: 109975c_pv	ERH	ERH	LLG 2024.06.05
	Dwn.	Dign.	Chkd.

Permit/Seal

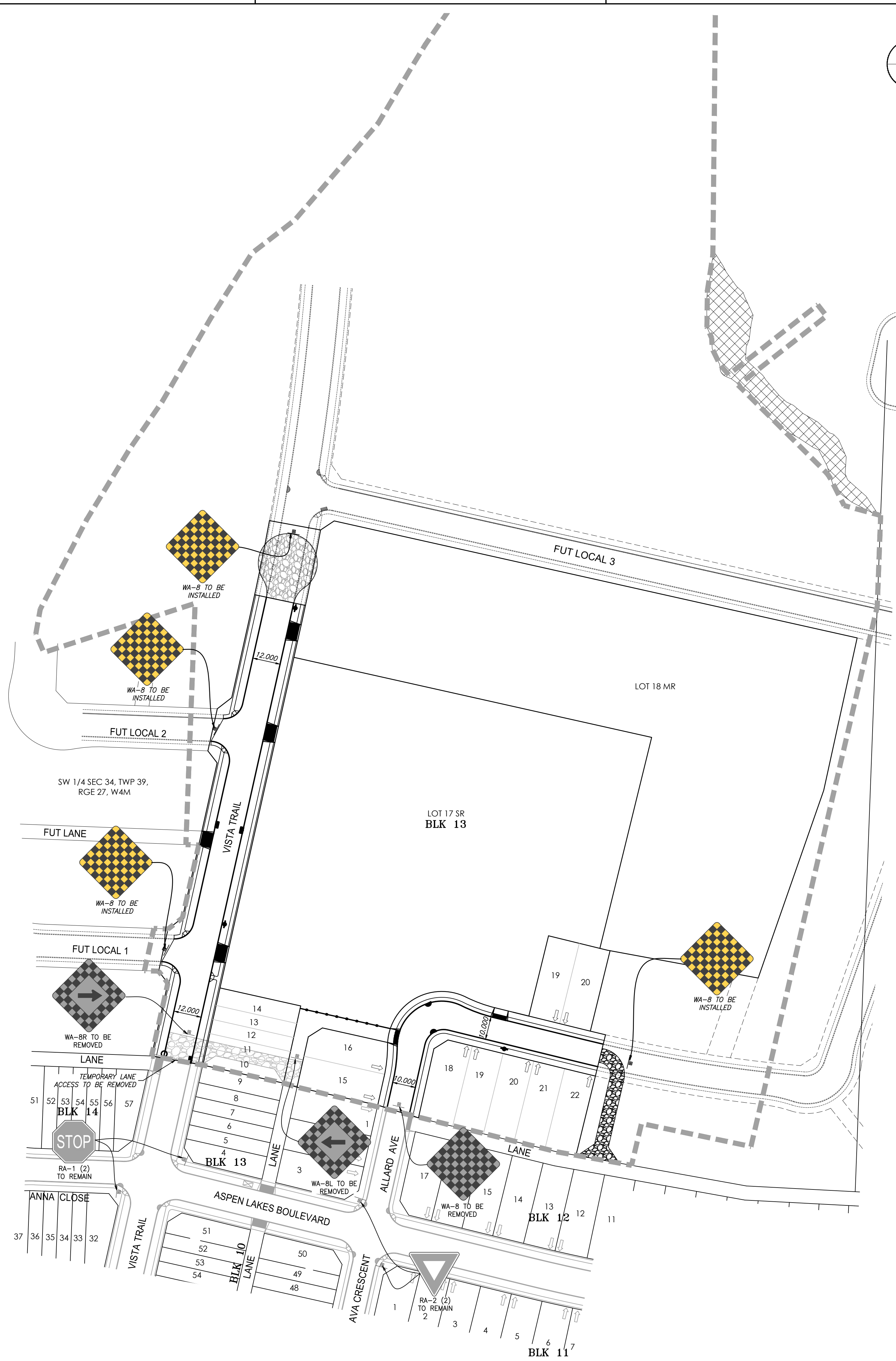
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

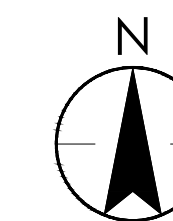
Title
SIGNAGE & PAVEMENT MARKING PLAN

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 8 of 18
Drawing No. C03	



D
C
B
A

ORIGINAL SHEET - ARCH/D



Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

EXISTING		PROPOSED
	CURB AND GUTTER	
	STORM SEWER	
	SANITARY SEWER	
	WATERLINE	
	MANHOLE	
	CATCH BASIN MANHOLE	
	STANDARD FACE CATCH BASIN (K-1)	
	ROLLED FACE CATCH BASIN (SK-7)	
	WATER VALVE	
	FIRE HYDRANT VALVE	
	FIRE HYDRANT	
	REDUCER	
	SHALLOW UTILITY DUCT CROSSING	
	GAS CROSSING SLEEVE	
	CONSTRUCTION BOUNDARY	

Notes

- ALL MANHOLES ARE TO BE STANDARD 1200mm UNLESS OTHERWISE NOTED.
- ALL CATCH BASIN LEADS ARE TO BE 250mm DIA PVC PIPE UNLESS OTHERWISE NOTED.

Revision	By	Appd	YYYY.MM.DD
G ---	---	---	---
F ---	---	---	---
E ---	---	---	---
D ---	---	---	---
C ---	---	---	---
B ISSUED FOR TENDER	ERH	ADF	2024.07.23
A ISSUED FOR APPROVAL	ERH	ADF	2024.06.18

File Name	By	Appd	YYYY.MM.DD
109975c Ug	ERH	LLG	2024.05.29
	Dwn.	Dign.	Chkd.

Permit/Seal

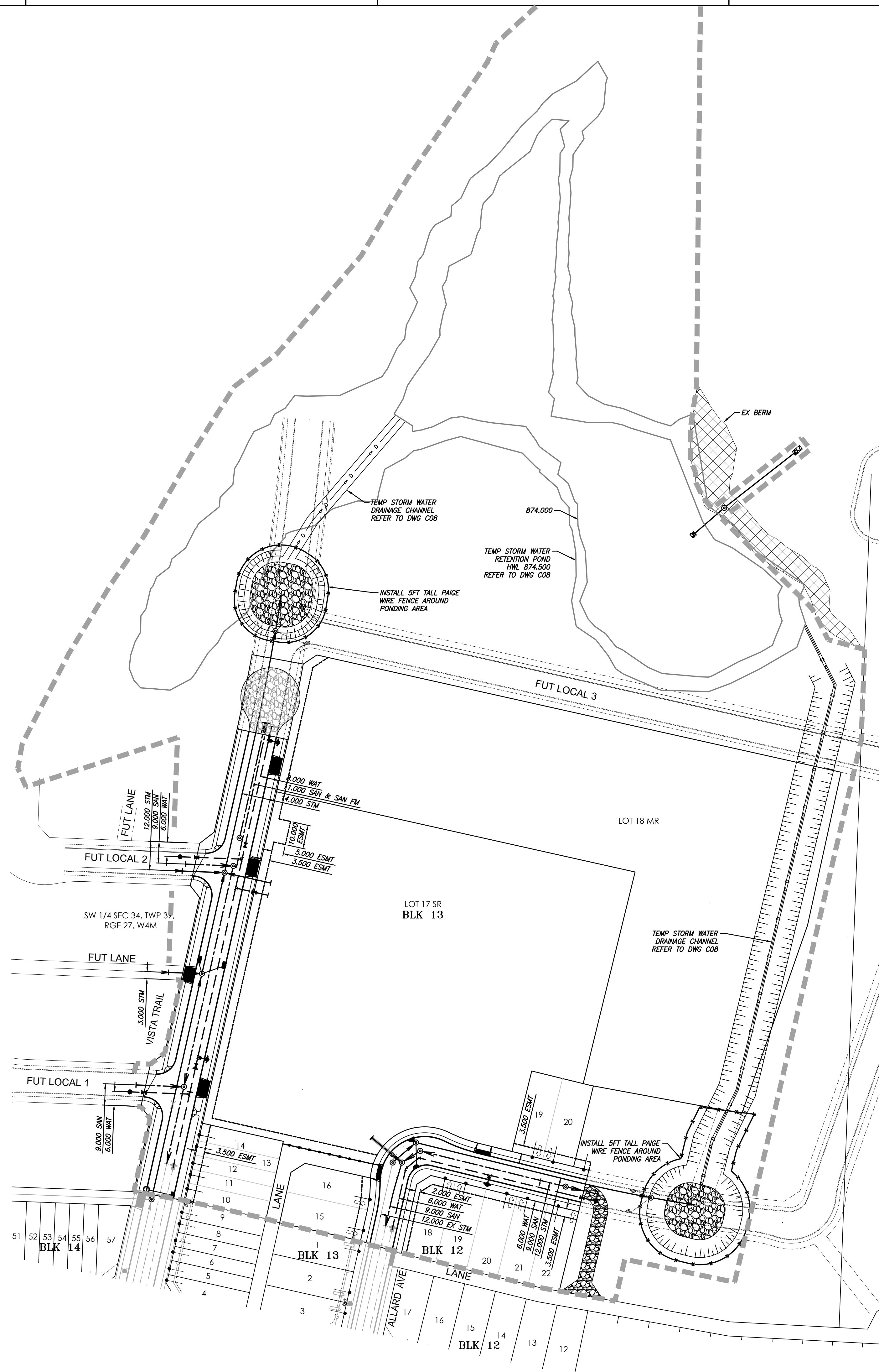
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

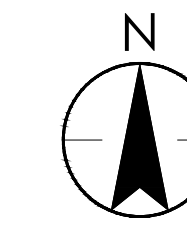
ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
OVERALL UTILITIES PLAN

Project No. 1161109975	Scale 1:1000
Revision Sheet 0 9 of 18	Drawing No. C04





Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

EXISTING	PROPOSED

Notes

- ALL CONSTRUCTION AND MATERIALS TO MEET TOWN OF BLACKFALDS SPECIFICATIONS.
- REFER TO GEOTECHNICAL REPORT FOR EXISTING CONDITIONS AND CONSTRUCTION REQUIREMENTS.
- CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND TOWN OF BLACKFALDS FORCES FOR THEIR PORTION OF THE WORK.
- LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD. ANY CONFLICTS WITH PROPOSED UTILITIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
- ALL MANHOLES TO BE CONSTRUCTED WITH SULFATE RESISTANT CONCRETE.
- PROVIDE CLASS B BEDDING IN ACCORDANCE WITH TOWN OF BLACKFALDS SPECIFICATIONS.
- TRENCH BACKFILL TO BE COMPACTED TO TOWN OF BLACKFALDS SPECIFICATIONS.
- ALL CONCRETE TO BE TYPE 50 28 MPa.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- NO EXCAVATION FOR DEEP UTILITIES TO OCCUR OUTSIDE OF UTILITY EASEMENTS.

WATER

- WATER MAINS TO BE P.V.C. C900 SDR18 CL150.
- TOP OF WATER MAIN TO BE A MINIMUM OF 2.70m BELOW FINISHED GRADE.
- FLUSHING POINTS TO BE 50mm MAIN COCK C/W TEMPORARY CURB STOP AND PIPE.

Revision

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B			
A			

Issued

File Name	By	Appd	YYYY.MM.DD
109975c_wat			

Permit/Seal

Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
WATER DISTRIBUTION PLAN

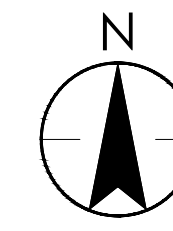
Project No.
1161109975

Revision Sheet
0 10 of 18

Scale
1:1000

Drawing No.
C05





Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

EXISTING	PROPOSED
—	—
—	—
—	—
—	—
—	—
—	—
—	—
—	—
—	—

- Notes**
- FLUSHING TO BE DONE IN ACCORDANCE TO AWMA C651-B6 DISINFECTING WATER MAINS AND TOWN OF BLACKFALDS'S CONTRACT SPECIFICATIONS.
 - CONTRACTOR TO NOTIFY TOWN OF BLACKFALDS PUBLIC WORKS DEPARTMENT PRIOR TO ANY FLUSHING TAKING PLACE.
 - REQUIRE 12 HOURS AFTER FINAL FLUSHING BEFORE TAKING SAMPLES.
 - WATER SAMPLES TO BE TAKEN FOR EACH FLUSHING ROUTE.

WATER MAIN FLUSHING PLAN SEQUENCE

- FLUSH #1**
- OPEN EV(1-15), V(2-1)
 - CLOSED V(2-2)
 - FLUSH @ TEMP FLUSH POINT 302 TO SMH 209
- FLUSH #2**
- OPEN EV(1-15), V(2-2), V(2-3)
 - CLOSED V(2-1), V(2-5), V(2-6), V(2-7)
 - FLUSH @ FH 300 TO SMH 209
- FLUSH #3**
- OPEN EV(1-15), V(2-2), V(2-6)
 - CLOSED V(2-1), V(2-3), V(2-5), V(2-7)
 - FLUSH @ TEMP FLUSH POINT 303 TO SMH 223
- FLUSH #4**
- OPEN EV(1-15), V(2-2), V(2-7), V(2-8)
 - CLOSED V(2-1), V(2-3), V(2-5), V(2-6), V(2-9)
 - FLUSH @ FH 301 TO SMH 223
- FLUSH #5**
- OPEN EV(1-30), V(2-12)
 - CLOSED V(2-11)
 - FLUSH @ FH 302
- FLUSH #6**
- OPEN EV(1-30), V(2-11)
 - CLOSED V(2-12)
 - FLUSH @ TEMP FLUSH POINT 305 TO SMH 241



Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18
Issued			
File Name: 109975c_wat	ERH	ERH	LLG
	Dwn.	Dign.	Chkd.

Permit/Seal

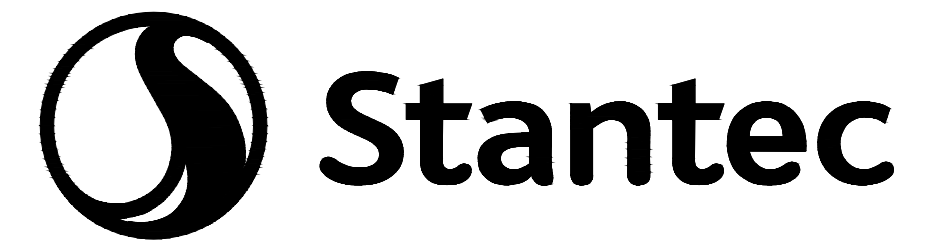
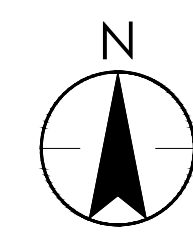
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
WATER FLUSHING PLAN

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 11 of 18
Drawing No. C06	



Stantec
 1100-4900 50 Street
 Red Deer AB T4N 1X7
 Tel: (403) 341-3320
 www.stantec.com

Copyright Reserved
 The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
 The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

	EXISTING		PROPOSED
	SANITARY MANHOLE		SANITARY MANHOLE
	SANITARY SEWER		SANITARY SEWER
	CONSTRUCTION BOUNDARY		

- Notes**
1. ALL CONSTRUCTION AND MATERIALS TO MEET TOWN OF BLACKFALDS SPECIFICATIONS.
 2. REFER TO GEOTECHNICAL REPORT FOR EXISTING CONDITIONS AND CONSTRUCTION REQUIREMENTS.
 3. CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND TOWN OF BLACKFALDS FORCES FOR THEIR PORTION OF THE WORK.
 4. LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD. ANY CONFLICTS WITH PROPOSED UTILITIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
 5. THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
 6. ALL MANHOLES TO BE CONSTRUCTED WITH SULFATE RESISTANT CONCRETE.
 7. PROVIDE CLASS B BEDDING IN ACCORDANCE WITH TOWN OF BLACKFALDS SPECIFICATIONS.
 8. TRENCH BACKFILL TO BE COMPACTED TO TOWN OF BLACKFALDS SPECIFICATIONS.
 9. ALL CONCRETE TO BE TYPE 50 28 MPa.
 10. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 11. NO EXCAVATION FOR DEEP UTILITIES TO OCCUR OUTSIDE OF UTILITY EASEMENTS.

- SANITARY**
1. 200mm SANITARY MAINS TO BE P.V.C. SDR35 CONFORMING TO CURRENT C.S.A. STANDARD B182.4, A.S.T.M. SPECIFICATION F794 AND UNI-BELL UNI-B-9.
 2. INSULATE SANITARY MAIN WITH H1-40 STYROFOAM WHERE THE SOIL COVER IS LESS THAN 2.70m.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued

File Name	By	Appd	YYYY.MM.DD
109975c_san	ERH	LLG	2024.06.04

Permit/Seal

Dwn.	Dign.	Chkd.	YYYY.MM.DD

Client/Project
 ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
 SANITARY SEWER SYSTEM

Project No.
 1161109975

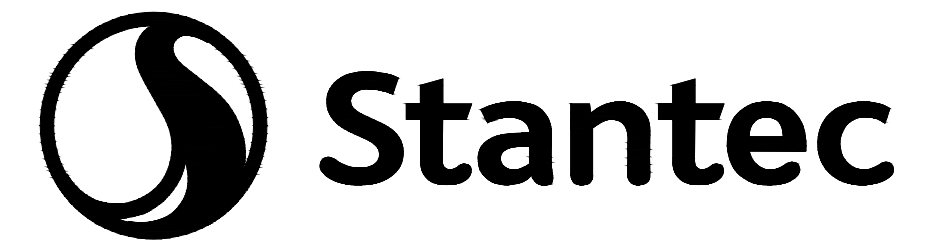
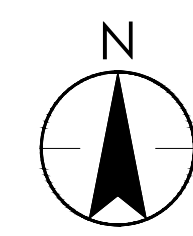
Scale
 1:1000

Revision Sheet
 0 12 of 18

Drawing No.
 C07



U:\1161109975\aspenlakes\DWG\1161109975_San.dwg 2024/07/23 10:03 AM



Stantec
1100-4900 50 Street
Red Deer AB T4N 1X7
Tel: (403) 341-3320
www.stantec.com

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

EXISTING	STORM SEWER	PROPOSED
○	STORM MANHOLE	⊙
○	CATCH BASIN MANHOLE	⊙
▭	STANDARD FACE CATCH BASIN	▭
▭	ROLLED FACE CATCH BASIN	▭
→	MAJOR DRAINAGE PATTERN	→
○	AREA	○ (0.40)
○	RUN-OFF COEFFICIENT	○ (0.35)
▭	HWL 874.50 STANDING WATER	▭
▭	CONSTRUCTION BOUNDARY	▭

Notes

1. ALL CONSTRUCTION AND MATERIALS TO MEET TOWN OF BLACKFALDS SPECIFICATIONS.
2. REFER TO GEOTECHNICAL REPORT FOR EXISTING CONDITIONS AND CONSTRUCTION REQUIREMENTS.
3. CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND TOWN OF BLACKFALDS FORCES FOR THEIR PORTION OF THE WORK.
4. LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD. ANY CONFLICTS WITH PROPOSED UTILITIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
6. ALL GRADES SHOWN ARE TO TOP OF ASPHALT (T.O.A.) = LIP OF GUTTER (L.O.G.).
7. CATCH BASIN RIM ELEVATIONS TO BE 15mm BELOW LIP OF GUTTER ELEVATION.
8. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
9. ALL SERVICES WITH LESS THAN 2.70m OF COVER ARE TO BE INSULATED.

Revision	By	Appd	YYYY.MM.DD
G ---	---	---	---
F ---	---	---	---
E ---	---	---	---
D ---	---	---	---
C ---	---	---	---
B ISSUED FOR TENDER	ERH	ADF	2024.07.23
A ISSUED FOR APPROVAL	ERH	ADF/BD	2024.06.18

Issued	By	Appd	YYYY.MM.DD
File Name: 109975c_stm	ERH	ERH	LLG
	Dwn.	Dign.	Chkd.
			2024.06.04
			YYYY.MM.DD

Permit/Seal

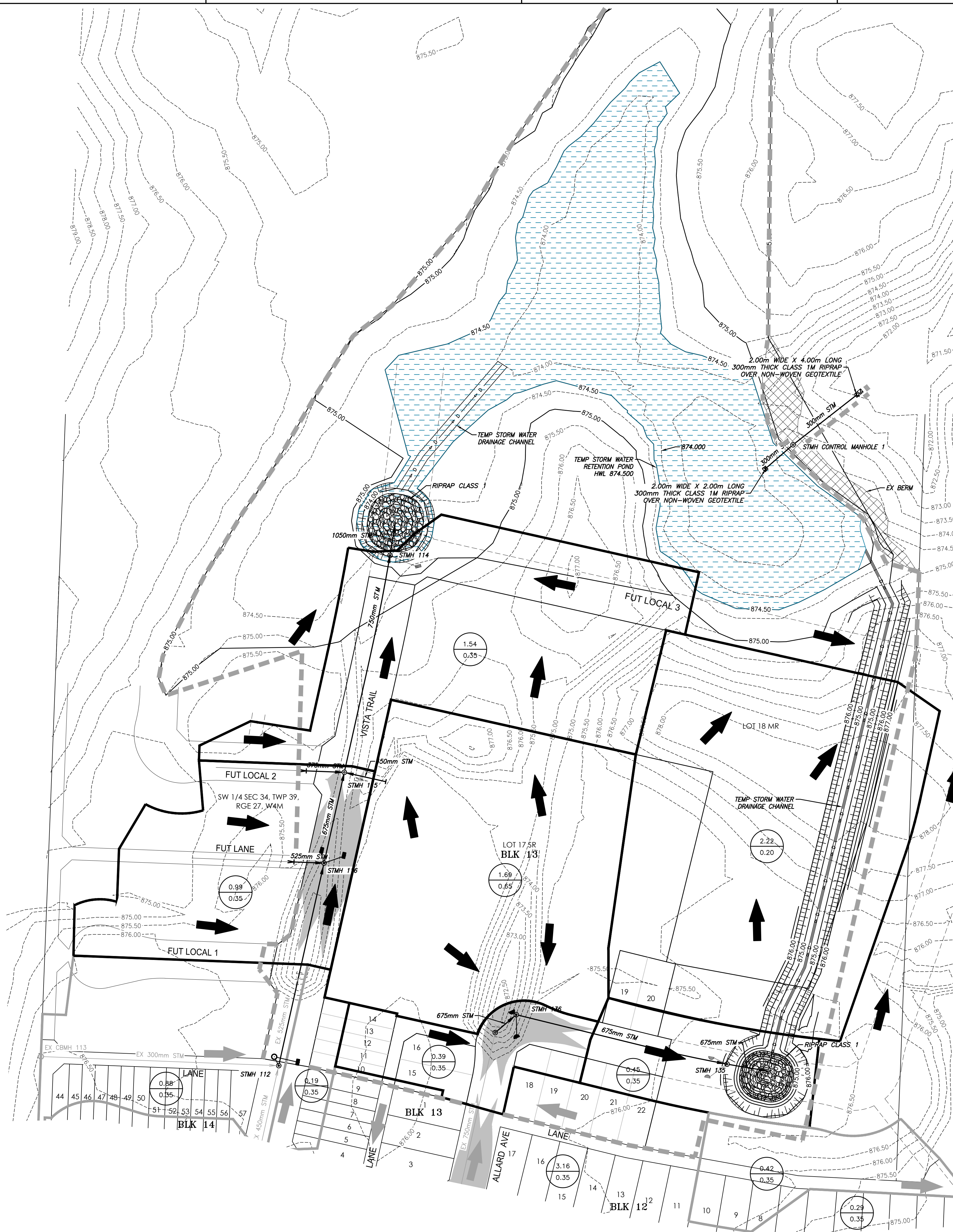
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

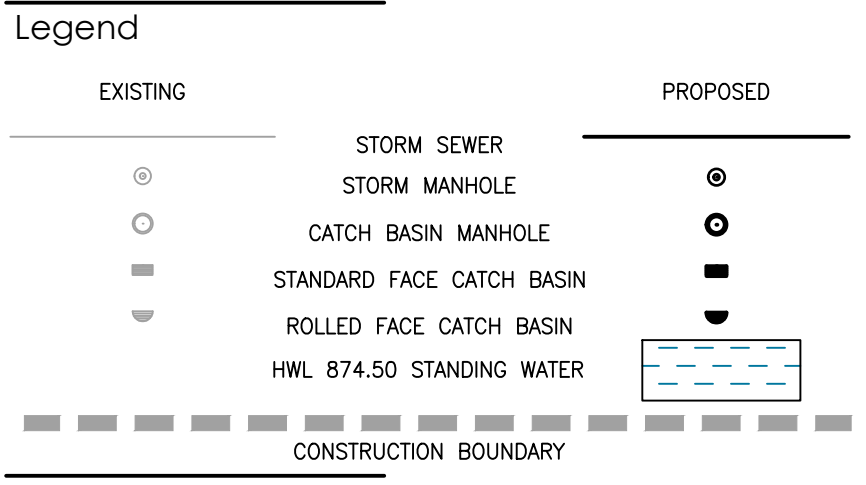
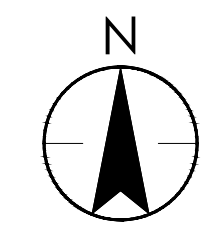
Title
MAJOR STORM DRAINAGE PLAN

Project No. 1161109975	Scale 1:1000
Revision 0	Sheet 13 of 18
Drawing No. C08	



D
C
B
A

U:\1161109975\109975c\109975c.dwg
2024/07/23 10:14 AM



- Notes**
- ALL CONSTRUCTION AND MATERIALS TO MEET TOWN OF BLACKFALDS SPECIFICATIONS.
 - REFER TO GEOTECHNICAL REPORT FOR EXISTING CONDITIONS AND CONSTRUCTION REQUIREMENTS.
 - CONTRACTOR TO COORDINATE THE EFFORTS AND SCHEDULING OF ALL UTILITY COMPANIES AND TOWN OF BLACKFALDS FORCES FOR THEIR PORTION OF THE WORK.
 - LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONFIRMED BY THE CONTRACTOR IN THE FIELD. ANY CONFLICTS WITH PROPOSED UTILITIES ARE TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL DETOURING AND CONSTRUCTION SIGNAGE.
 - ALL MANHOLES TO BE CONSTRUCTED WITH SULFATE RESISTANT CONCRETE.
 - PROVIDE CLASS B BEDDING IN ACCORDANCE WITH TOWN OF BLACKFALDS SPECIFICATIONS.
 - TRENCH BACKFILL TO BE COMPACTED TO TOWN OF BLACKFALDS SPECIFICATIONS.
 - ALL CONCRETE TO BE TYPE 50 28 MPa.
 - ALL GRADES SHOWN ARE TO TOP OF ASPHALT (T.O.A.) = LIP OF GUTTER ELEVATION.
 - CATCH BASIN RIM ELEVATIONS TO BE 15mm BELOW LIP OF GUTTER ELEVATION.
 - ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 - NO EXCAVATION FOR DEEP UTILITIES TO OCCUR OUTSIDE OF UTILITY EASEMENT.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B			
A			

File Name	By	Appd	YYYY.MM.DD
109975c_stm	ERH	ERH	2024.06.04
	Dwn.	Dgn.	Chkd.

Permit/Seal

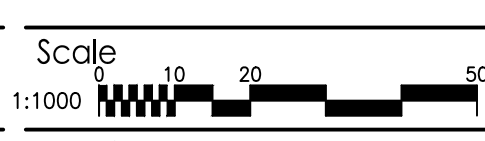
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

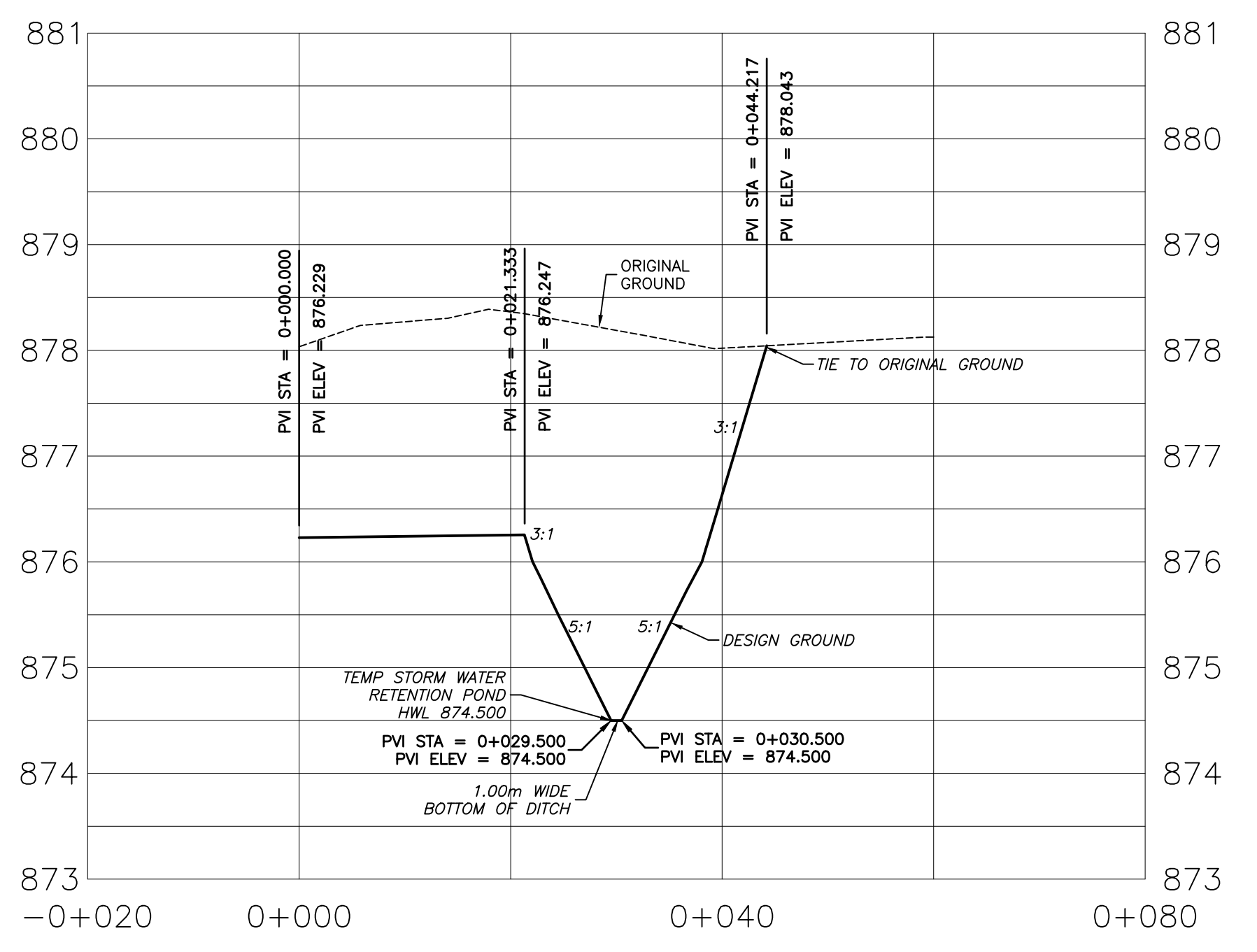
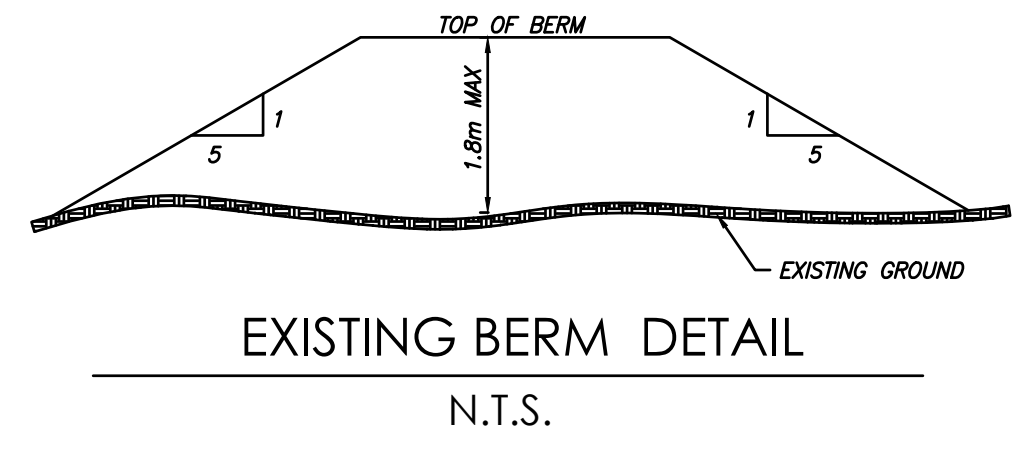
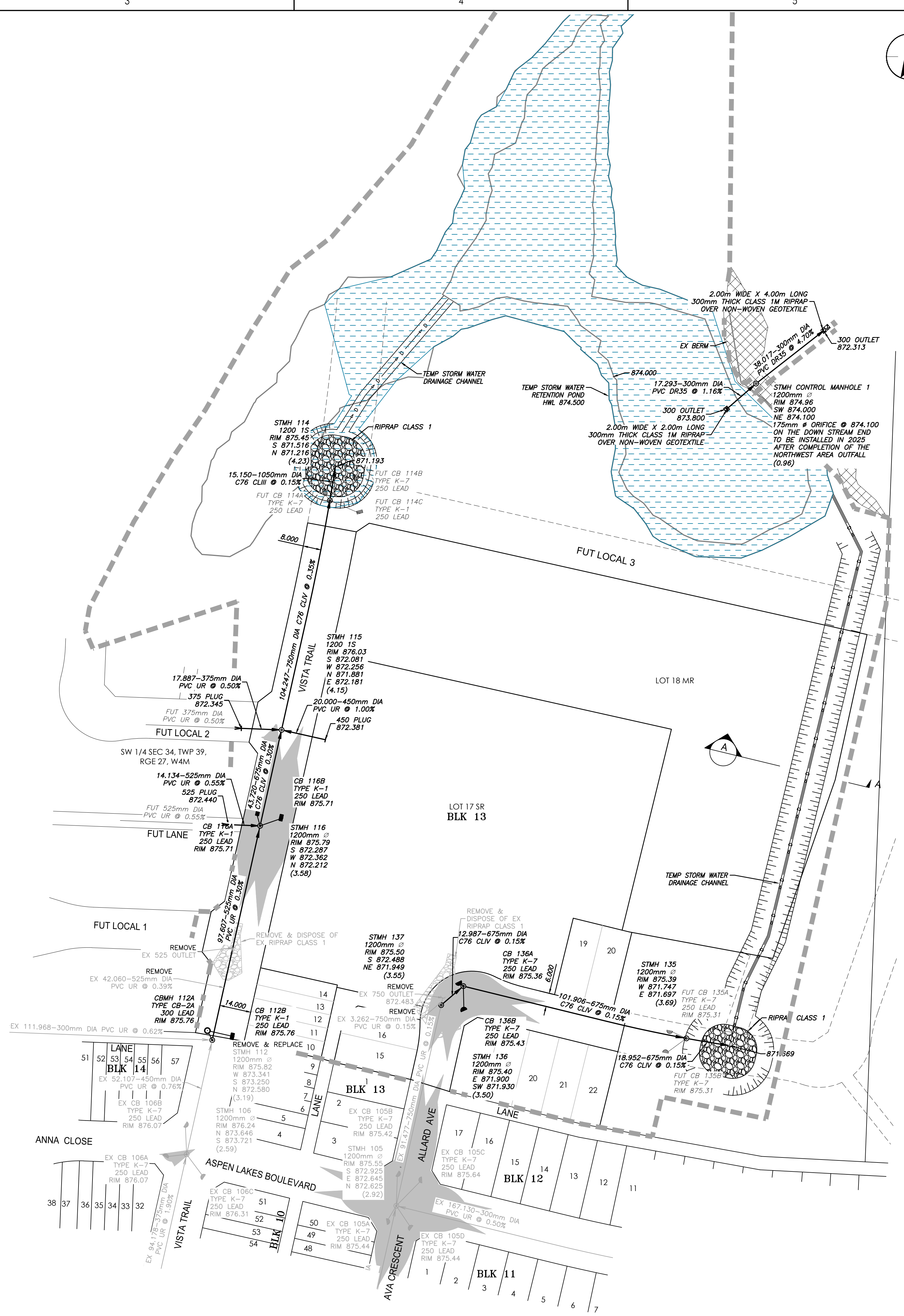
BLACKFALDS, AB Canada

Title
MINOR STORM SEWER PLAN

Project No.
1161109975
Revision Sheet
0 14 of 18



Drawing No.
C09



U:\1161109975\109975c_stm\109975c_stm.dwg 2024.06.04 14:52:17 AM ORIGINAL SHEET - ARCHD

Legend

GRADE AT FRONT PL	980.55	980.50
FRONT SERVICE LOCATION (4.5m FROM PROPERTY LINE UNLESS OTHERWISE NOTED)		
SERVICE INVERT AT STUB UNLESS OTHERWISE NOTED	S 978.30	
LOWEST TOP OF FOOTING	LTF 979.15	
SUGGESTED MIN. FINISHED LANDSCAPE ELEVATION AT FRONT OF HOUSE	980.90	
SUGGESTED MIN. FINISHED LANDSCAPE ELEVATION AT REAR OF HOUSE	980.90	
ORIGINAL GROUND ELEVATION (PRIOR TO SITE GRADING AT CENTRE OF BUILDING ENVELOPE)	OG 979.40	
SERVICE TYPE	○ ● ▲	
LOT TYPE	L	
LOT NUMBER	92	
DEPTH OF FILL EXCEEDS 1.2m (BEARING CERTIFICATE REQUIRED)	*	
CMC ADDRESS	12	
POWER, TELUS, & SHAW DROPPOFF	*	

GRADE AT REAR PL OR EDGE OF OVERLAND DRAINAGE R/W (WHERE APPLICABLE)	980.35	980.30
LEGEND		
○	SINGLE WATER & SANITARY SERVICE	
△	DUAL WATER & SANITARY SERVICE	
●	SINGLE WATER, SANITARY & STORM SERVICE	
▲	DUAL WATER, SANITARY & STORM SERVICE	
*	EXISTING WELL HEAD	

Revision

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued

Issued	By	Appd	YYYY.MM.DD

File Name: 109975c_bg

File Name	ERH	ERH	LLG	2024.06.04

Permit/Seal

Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

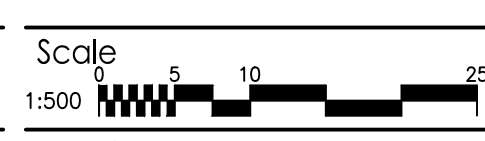
ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
BUILDING GRADE PLAN

Project No.
1161109975

Revision Sheet
0 15 of 18



Drawing No.
C10

FUT LOCAL 3

LOT 18 MR

LOT 17 SR
BLK 13

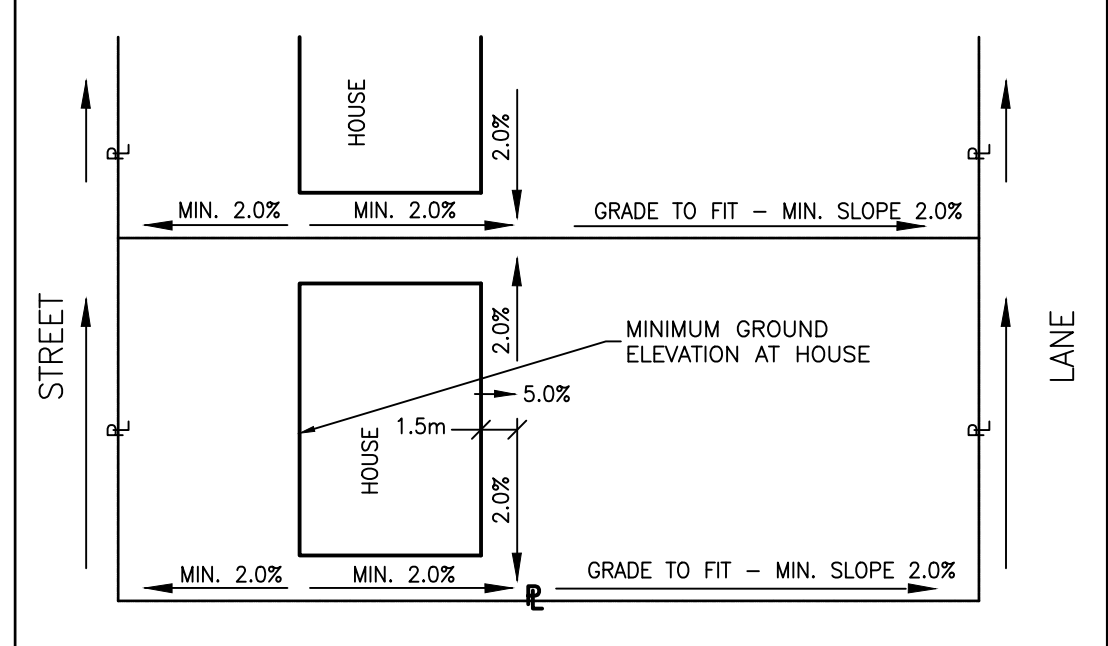
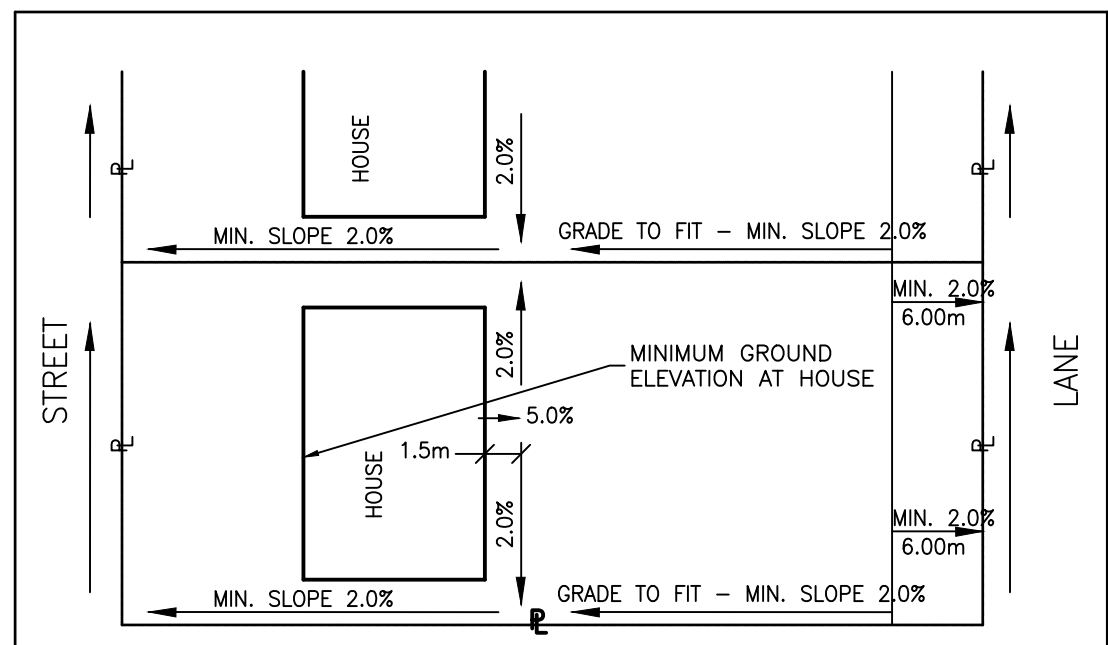
SW 1/4 SEC 34, TWP 39,
RGE 27, W4M

ALLARD AVE

LANE

FUT LANE

VISTA TRAIL



NOTE:
1. HOUSE BUILDERS TO PAY SPECIAL ATTENTION TO FOUNDATION DESIGN. THE FOUNDATION ON THE LOW SIDE OF THE LOT MAY REQUIRE CONSTRUCTION OF A "PONY WALL."

NOTES

- ALL PLANS SUBJECT TO TERMS OF THE DEVELOPMENT AGREEMENT.
- SAN SERVICES TO BE 150mm DIA SDR-28 PVC
- STM SERVICES TO BE 100mm DIA SDR-28 PVC
- WATER SERVICES TO BE 25mm DIA PE 3406 UNLESS SHOWN OTHERWISE.
- ALL HOUSE SERVICES TO BE TERMINATED 6.50m INSIDE PROPERTY LINE UNLESS OTHERWISE NOTED.
- LOTS WITH FILL IN EXCESS OF 1.20m REQUIRE SOIL BEARING CERTIFICATES.
- HOUSE BUILDER TO SET ACTUAL TOP OF FOOTINGS AND FINISH LOT LANDSCAPE GRADES SUCH THAT POSITIVE SURFACE DRAINAGE IS MAINTAINED AWAY FROM THE HOUSE FOUNDATION WALL TOWARD THE STREET OR REAR LOT DRAINAGE FEATURE. SUGGESTED LANDSCAPE GRADE AT FRONT & REAR = HIGHEST SIDE YARD ELEV. + 0.10m.
- STEEL REINFORCEMENT RECOMMENDED FOR CONCRETE FOOTINGS AND FOUNDATION WALLS WHERE ACTUAL TOP OF FOOTING IS HIGHER THAN ORIGINAL GROUND (OG) ELEVATION INDICATED. ENGINEER COMPLETING SOIL BEARING CERTIFICATE TO CONFIRM REQUIREMENTS AND/OR DETAILS.
- REFER TO THE SUBMISSION UTILITY AND OVERLAND DRAINAGE RIGHT OF WAY PLANS FOR LOCATIONS AND DIMENSIONS OF RIGHT OF WAYS ON THE LOTS.
- MIN DEPTH OF WATER SERVICE TO BE 2.7m AT THE CURB BOX. INCREASE TO 3.3m WHERE SITE MATERIAL IS GRAVEL.

LOT TYPES

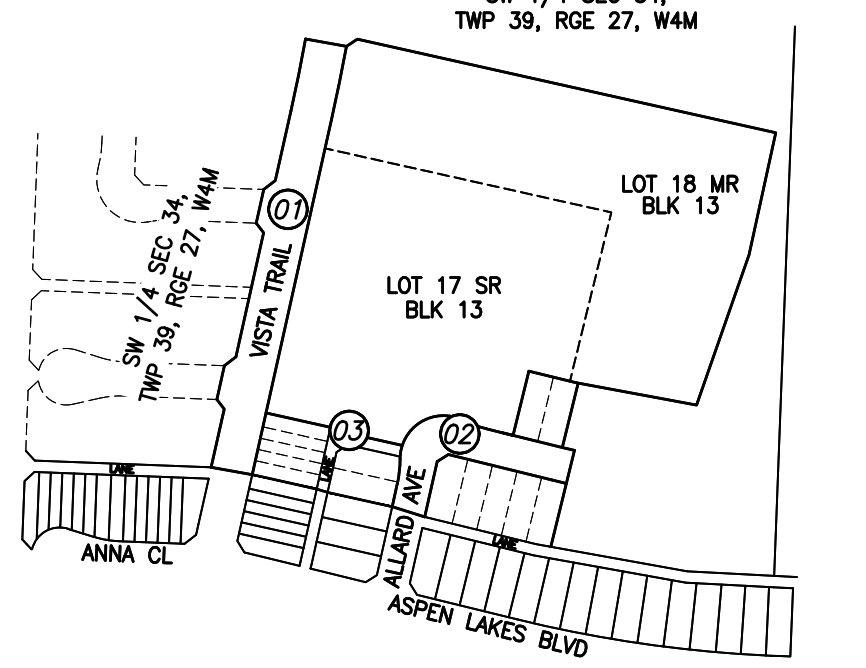
- L - LEVEL LOT
- Lb - LEVEL LOT (BACK TO FRONT DRAINAGE)
- W - FULL WALKOUT BASEMENT
- WS - SPLIT LEVEL WALKOUT BASEMENT
- T - TRANSITION LOT

POWER LEGEND

- | EXISTING | PROPOSED |
|----------|----------|
| ■ | ■ |
| ● | ● |
| ▲ | ▲ |
| □ | □ |
| ○ | ○ |
| × | × |
| □ | □ |

- IN AREAS OF FILL GREATER THAN 1.0m, COMPACT FILL TO 98% S.P.D. TO WITHIN 1.0m OF FINISHED GRADE. IN AREAS OF FILL LESS THAN 1.0m, COMPACT FILL TO 95% S.P.D.
- ALL ELEVATIONS ARE LIP OF GUTTER UNLESS NOTED OTHERWISE.
- SERVICE ELEVATION AT 2m FROM BACK OF LOT, CURB STOP AT 1.7m FROM BACK OF LOT.

Legend



EXISTING	PROPOSED

- Notes
- ALL MANHOLES ARE TO BE STD. 1200mm UNLESS OTHERWISE NOTED.
 - ALL CATCH BASIN LEADS ARE 250mm DIA PVC PIPE UNLESS OTHERWISE NOTED.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued	By	Appd	YYYY.MM.DD
	ERH	LLG	2024.06.12

Permit/Seal

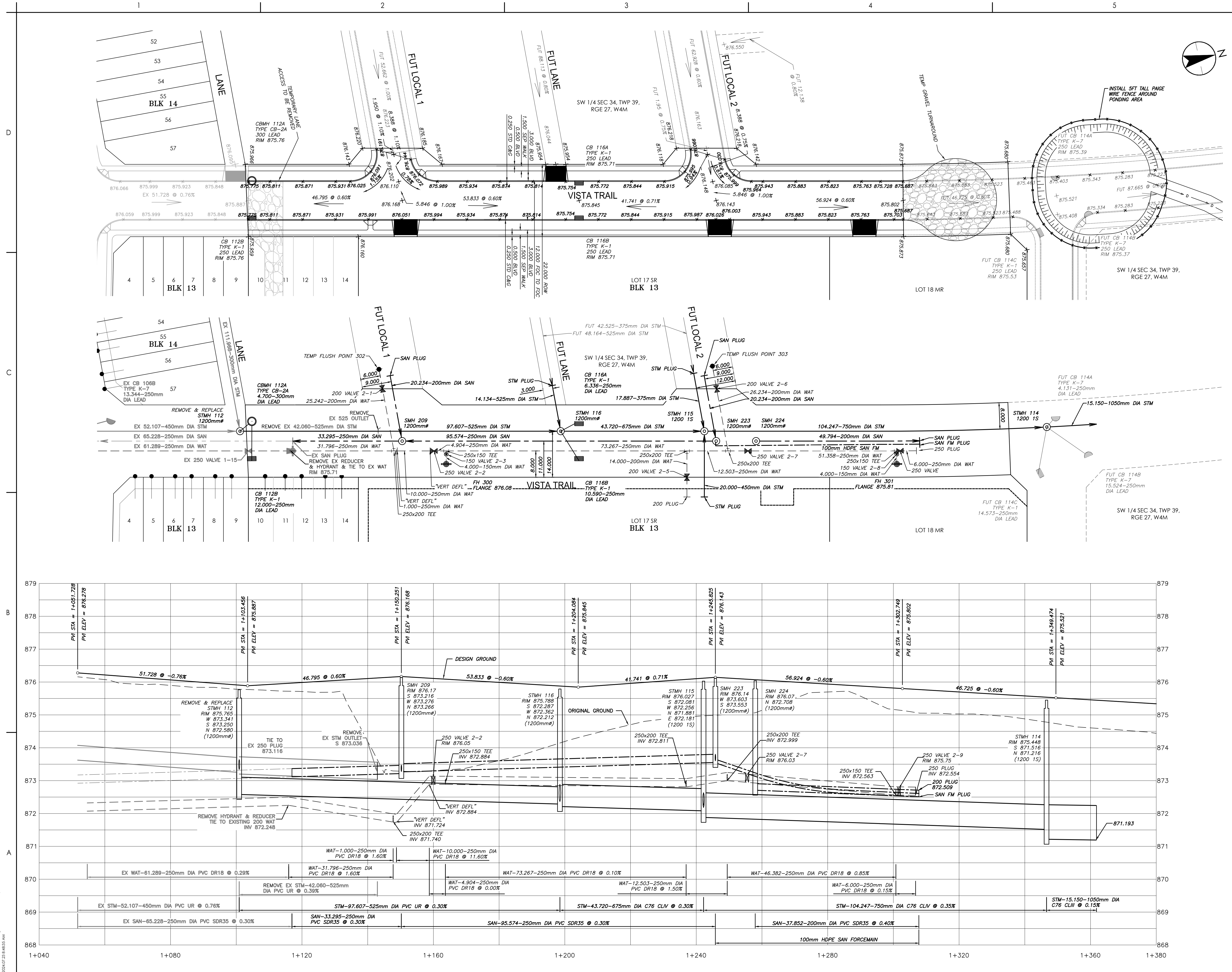
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

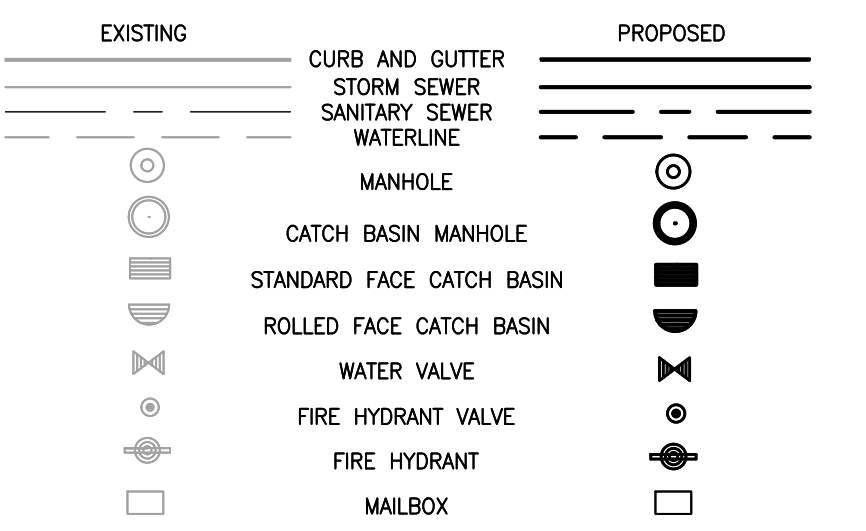
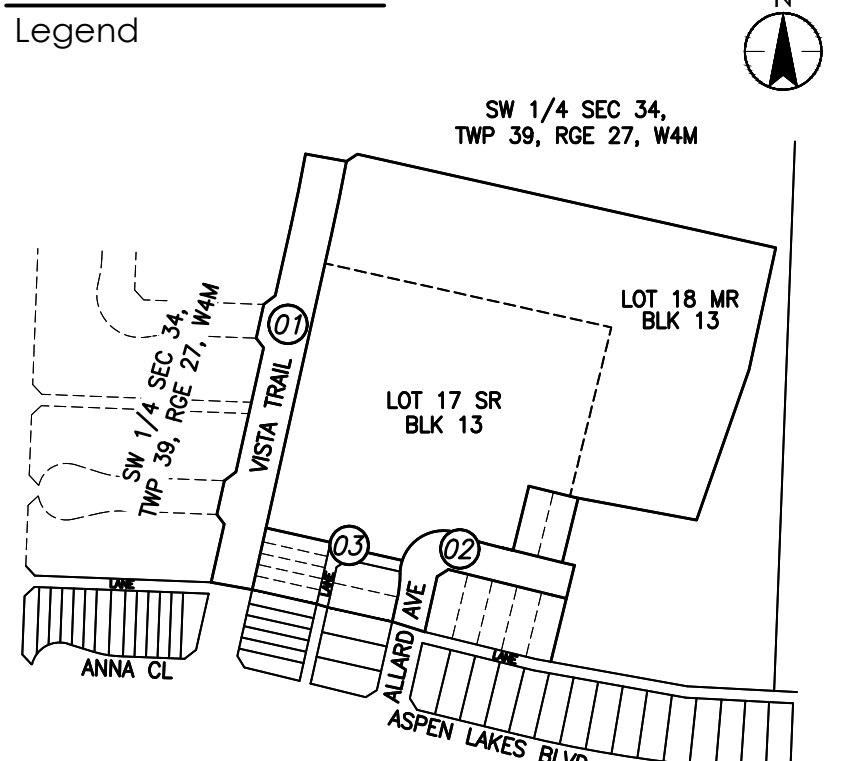
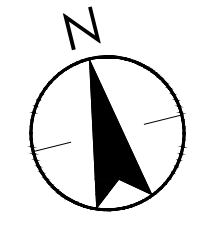
BLACKFALDS, AB Canada

Title
VISTA TRAIL STA 1+060 TO STA 1+360

Project No. 1161109975	Scale 1:500
Revision Sheet 0 16 of 18	Drawing No. P01



U:\1161109975\Drawings\DWG\1161109975_01.dwg
2024/07/23 14:55:35 AM



Notes

- ALL MANHOLES ARE TO BE STD. 1200mm UNLESS OTHERWISE NOTED.
- ALL CATCH BASIN LEADS ARE 250mm DIA PVC PIPE UNLESS OTHERWISE NOTED.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued	By	Appd	YYYY.MM.DD

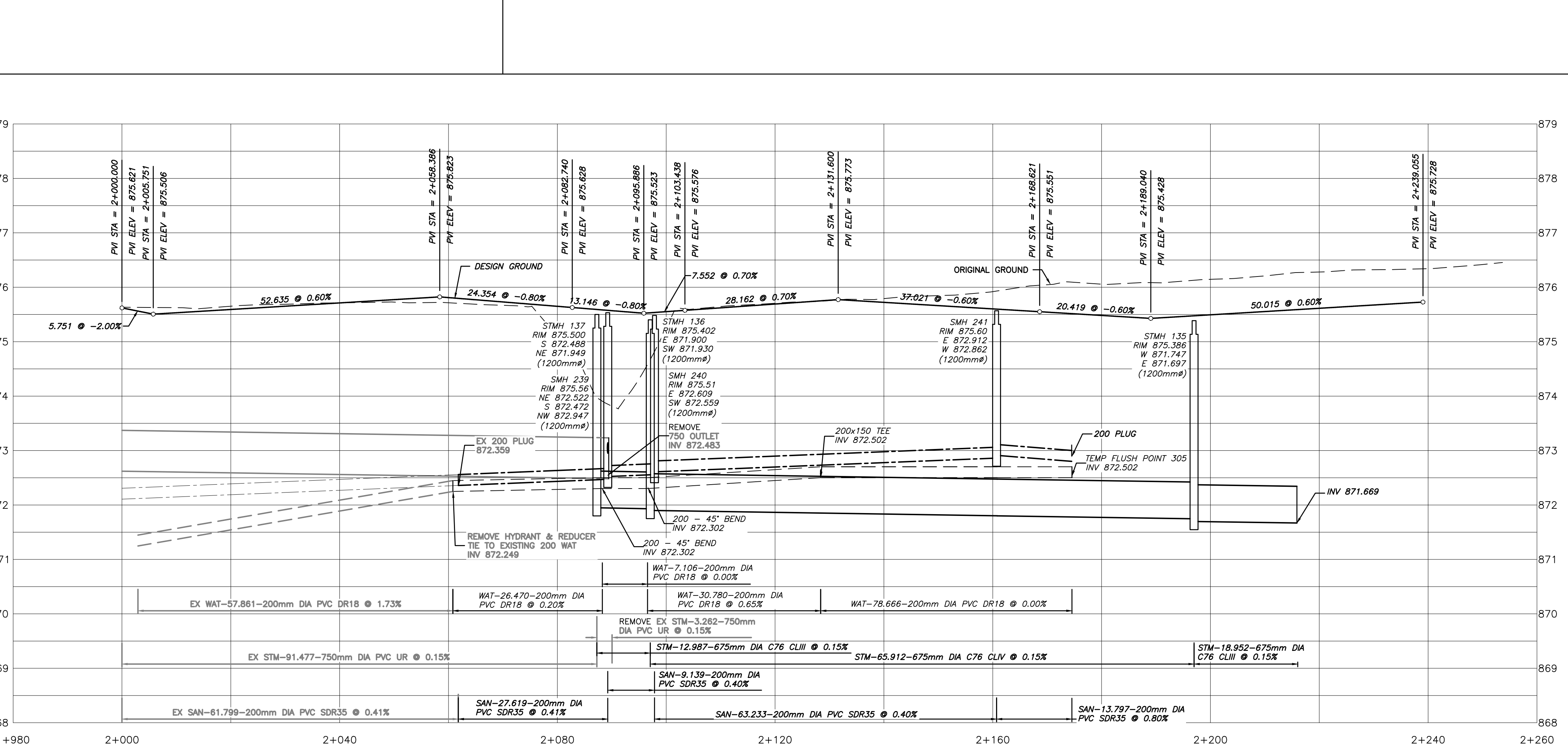
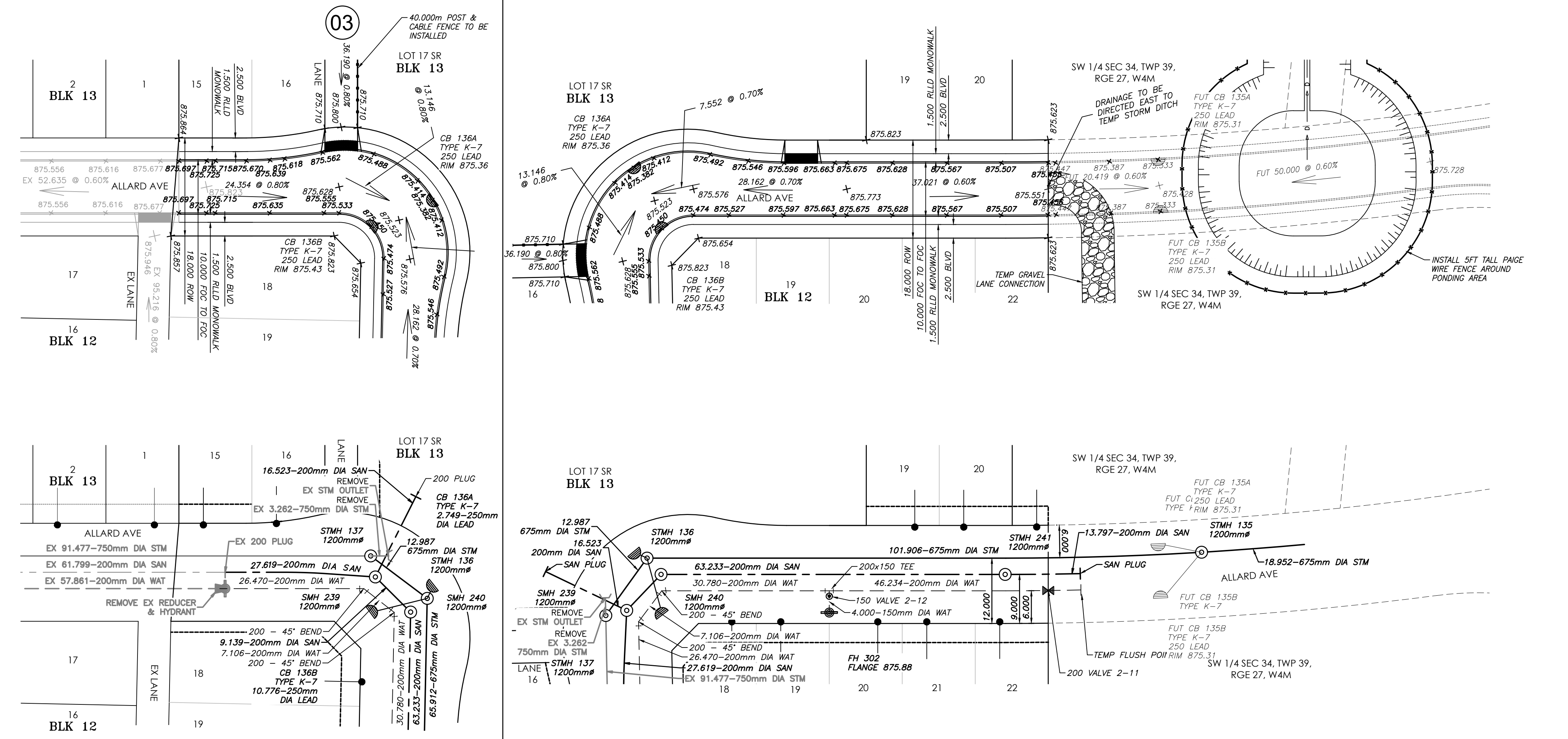
Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

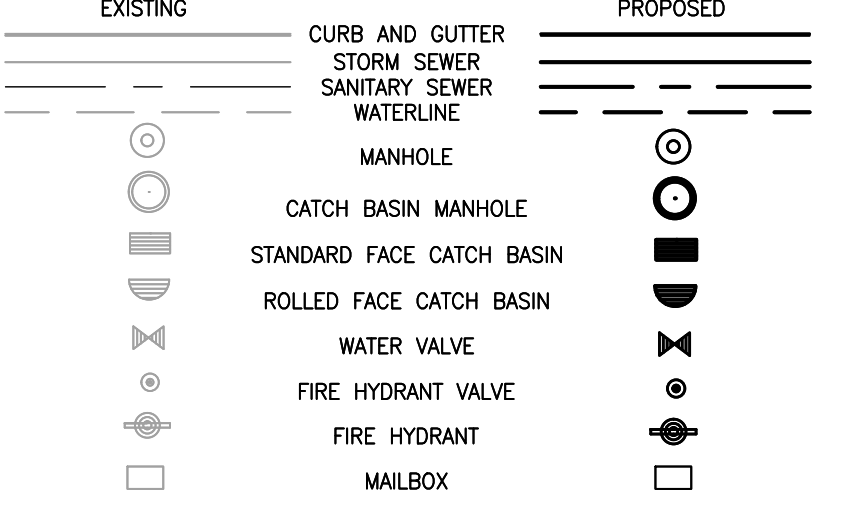
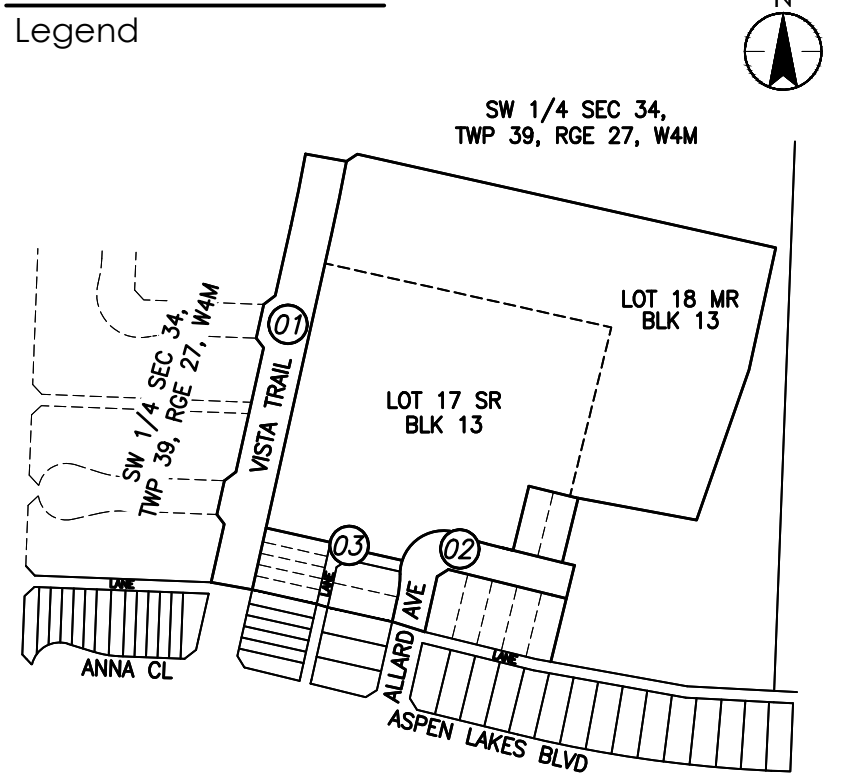
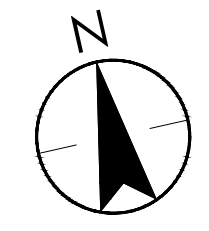
ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
ALLARD AVENUE STA
2+000 TO STA 2+240

Project No. 1161109975	Scale 1:500
Revision 0	Sheet 17 of 18
Drawing No. P02	





- Notes**
- ALL MANHOLES ARE TO BE STD. 1200mm UNLESS OTHERWISE NOTED.
 - ALL CATCH BASIN LEADS ARE 250mm DIA PVC PIPE UNLESS OTHERWISE NOTED.

Revision	By	Appd	YYYY.MM.DD
G			
F			
E			
D			
C			
B	ERH	ADF	2024.07.23
A	ERH	ADF	2024.06.18

Issued

File Name	By	Appd	YYYY.MM.DD	
109975.st_p03	ERH	ERH	LLG	2024.06.12
	Dwn.	Dgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project
ASPEN LAKES WEST DEVELOPMENTS LTD.

ASPEN LAKES WEST PHASE 2

BLACKFALDS, AB Canada

Title
LANE A STA 5+000
TO 5+120 AND STA
6+000 TO 6+080

Project No. 1161109975
Revision Sheet 0 18 of 18
Scale 1:500
Drawing No. P03

