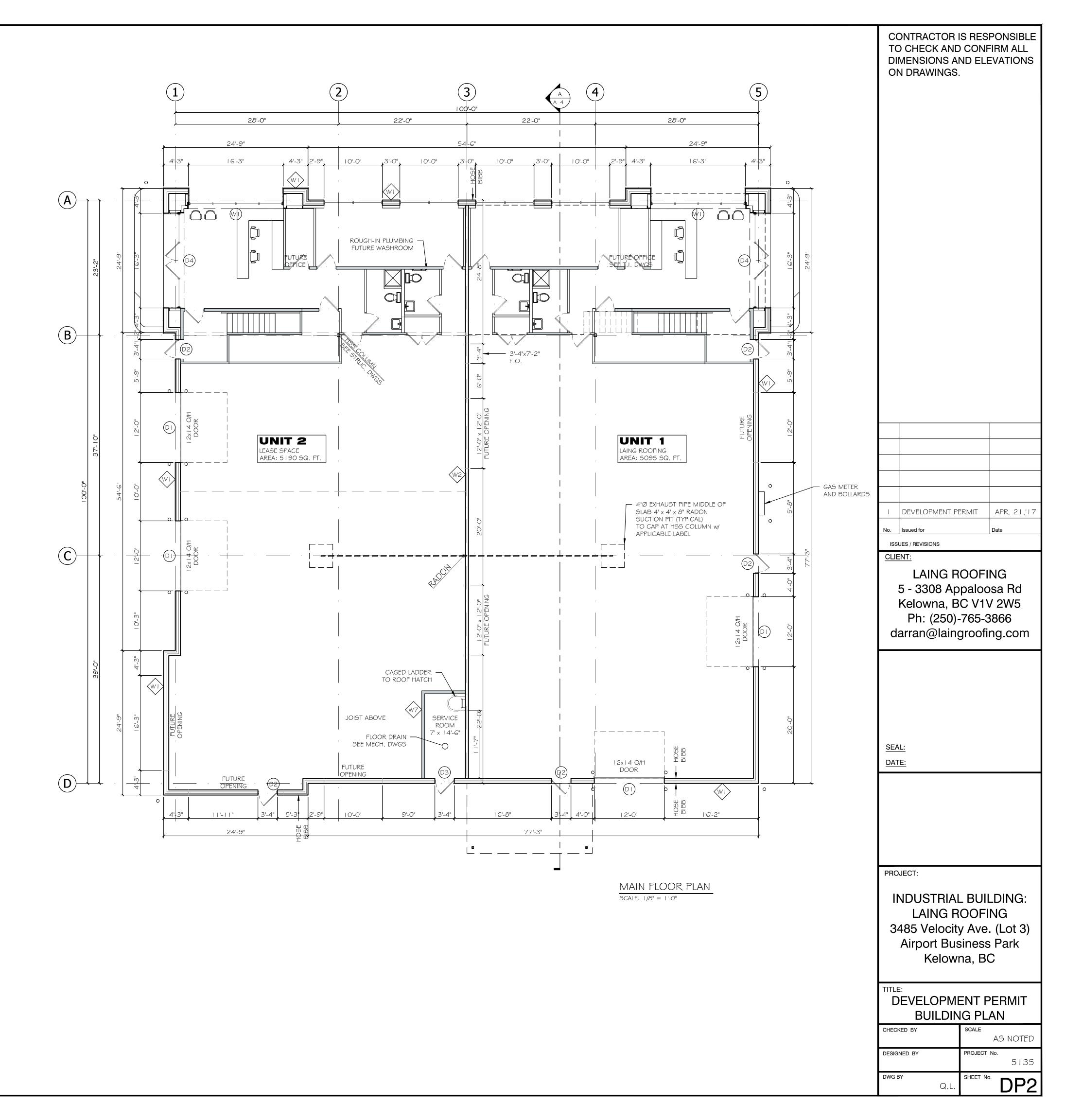
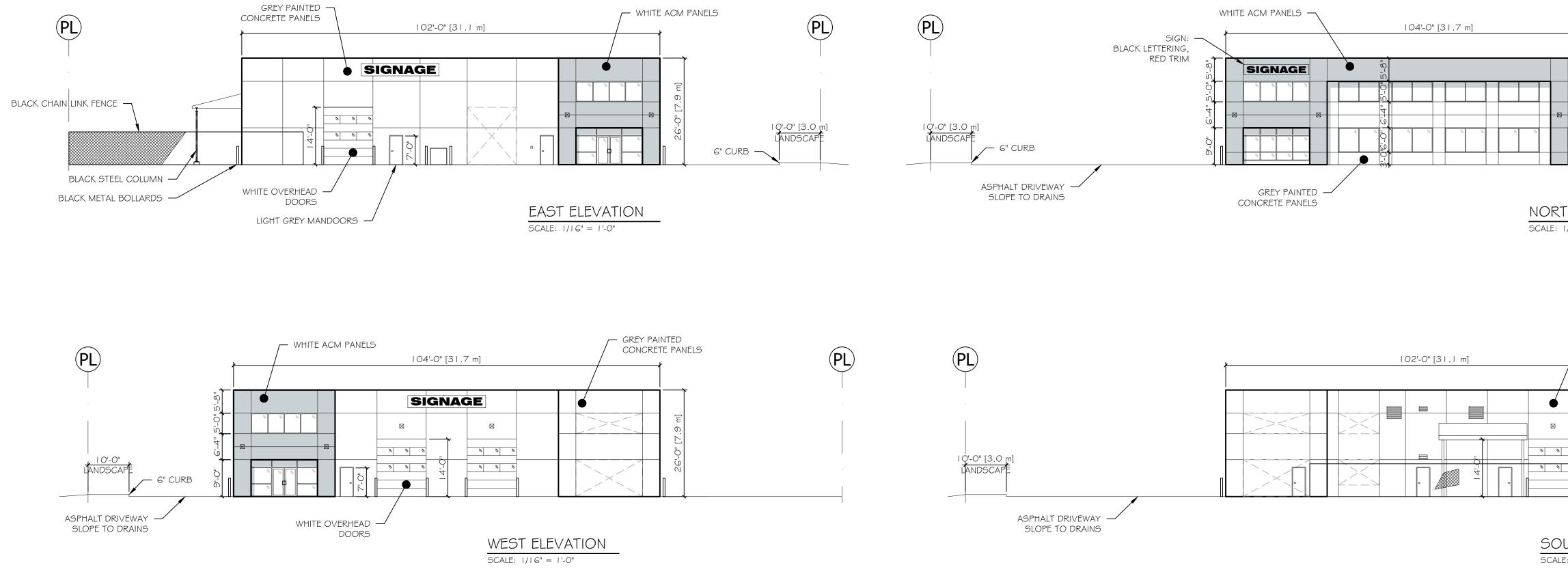


CITY OF KELOWNA ZONING BYLAW						
GAL ADDRESS		LOT 3, PLAN EPP	12718, O.D.Y.D.			
VIC ADDRESS		3485 VEL	DCITY AVE.			
DNING		CD 5 - AIRPORT	BUSINESS PARK			
DT AREA		43,595 SQ. F	T. (4,050 m ²)			
JILDING AREA		10,285 SQ. 1	T. (956 m ²)			
ROSS FLOOR AREA		10,285 + 2,200 = 12,485 SQ. FT. (1,160 m ²)				
	CODE REF.	PROPOSED	REQUIRED / PERMITTED			
AX. FLOOR AREA RATIO	15.2.5	0.29	1.5			
AX. SITE COVERAGE	15.2.5	23%	N/A (INDUSTRIAL-1.5.3)			
AX. HEIGHT	15.2.5	26'-0" (7.9m)	18.0m			
N. FRONT YARD	15.2.5	19'-8" (G.Om)	6.Om			
N. YARD FLANKING STREET	15.2.5	65'-6" (20.0m)	4.5m			
N. SIDE YARD	15.2.5	N/A	Om			
N. REAR YARD	15.2.5	58'-0" (17.7m)	Om			
RKING STALLS	8.1	26	$2 \text{ PER I OOm}^2 \text{ GFA} = 24$			
ADING STALLS	8.2		$I PER I 900m^2 GFA = I$			
CYCLE STALLS	8.3	6	$0.3 \text{ PER } 100 \text{m}^2 \text{ GFA} = 4$			

	EXTERIOR WALL SCHEDULE							
MARK	LOCATION	TYPE	R-VALUE	F.R.R.	NOTES			
WI	EXTERIOR	I O ½" CONCRETE PRE-CAST INSULATED PANEL PAINTED INTERIOR AND EXTERIOR (COLOUR BY OWNER)	23	N/A				
	INTERIOR WALL SCHEDULE							
MARK	LOCATION	TYPE	R-VALUE	F.R.R.	NOTES			
W2	INTERIOR	G" CONCRETE PRE-CAST PANEL LOAD BEARING	N/A	I HR				
	1		1					
W3	INTERIOR	2xG LOAD BEARING WALL 5%" TYPE X GYPSUM EACH SIDE BATT INSULATION FOR SOUND	N/A	45 MIN.	(LOAD-BEARING OR FIRE SEPARATION)			
W4	INTERIOR	2x4 LOAD BEARING WALL 5/8" TYPE X GYPSUM EACH SIDE BATT INSULATION FOR SOUND	N/A	45 MIN.	(LOAD-BEARING OR FIRE SEPARATION)			
W5	INTERIOR	2xG NON-LOAD BEARING WALL ½" GYPSUM EACH SIDE BATT INSULATION FOR SOUND	N/A	-	GYPSUM ONE SIDE AT FURRING WALLS			
WG	INTERIOR	2x4 NON-LOAD BEARING WALL ½" GYPSUM EACH SIDE BATT INSULATION FOR SOUND	N/A	-	GYPSUM ONE SIDE AT FURRING WALLS			
W7>	SERVICE ROOM	G" STEEL STUDS @ 16" o/c %" TYPE 'X' GYPSUM ONE SIDE, TWO LAYERS OTHER SIDE (OPTIONAL BATT INSULATION FOR SOUND)	N/A	I HR				



COLOUR BOARD						
	COLOUR	DULUX COLOUR CODE	OBJECT			
	WHITE	ALUCABOND ALABASTER GLOSS 30	EXTERIOR ACM PANEL			
	MEDIUM GREY	GRAPHITE GREY OONN 37/000	EXTERIOR CONCRETE PANEL			
	WHITE		OVERHEAD DOOR			
	LIGHT GREY	VEIL OONN 53/000	MANDOOR			
	CLEAR ANODIZED ALUMINUM		WINDOW / STOREFRONT FRAME			
	BLACK		METAL BOLLARDS AND COLUMNS			
	BLACK		CHAINLINK FENCE			

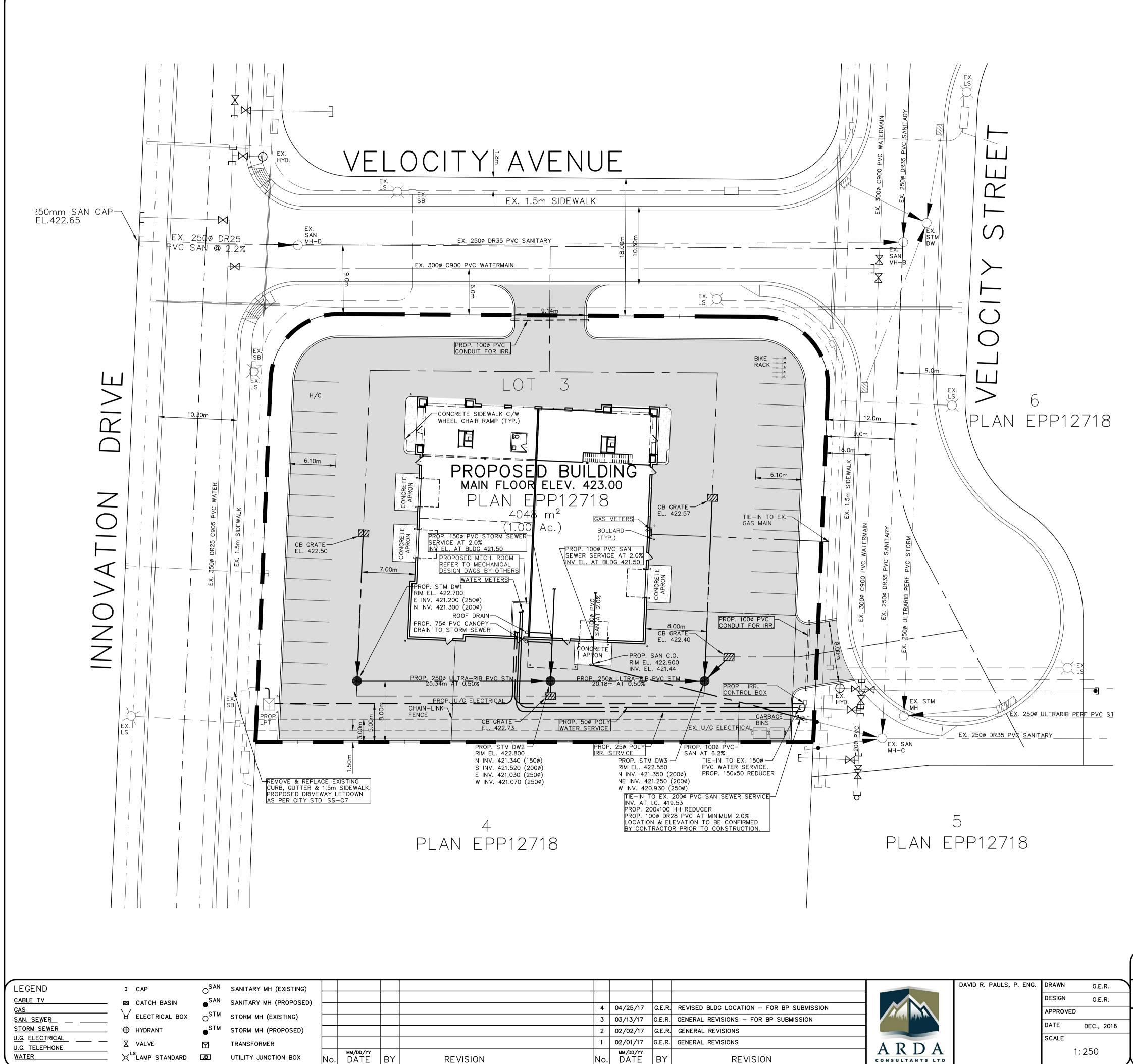




CONTRACTOR IS RESPONSIBLE TO CHECK AND CONFIRM ALL DIMENSIONS AND ELEVATIONS ON DRAWINGS. H APR. 21,'17 DEVELOPMENT PERMIT No. Issued for **ISSUES / REVISIONS** CLIENT: LAING ROOFING NORTHWEST RENDERING 5 - 3308 Appaloosa Rd Kelowna, BC V1V 2W5 SCALE: N.T.S. Ph: (250)-765-3866 darran@laingroofing.com (PL)SIGNAGE SEAL: I Q'-O" [3.0 m] LANDSCAPE DATE: 6" CURB — NORTH ELEVATION SCALE: 1/16" = 1'-0" PROJECT: **INDUSTRIAL BUILDING:** GREY PAINTED PL LAING ROOFING 3485 Velocity Ave. (Lot 3) Airport Business Park Kelowna, BC - BLACK CHAIN LINK FENCE BUILDING PLAN 6" CURB — CHECKED BY SCALE AS NOTED SOUTH ELEVATION SCALE: 1/16" = 1'-0" DESIGNED BY PROJECT No. 5|35 DWG BY SHEET No.

DP3

Q.L.



X^{LS}LAMP STANDARD JB UTILITY JUNCTION BOX

BY

REVISION

WATER

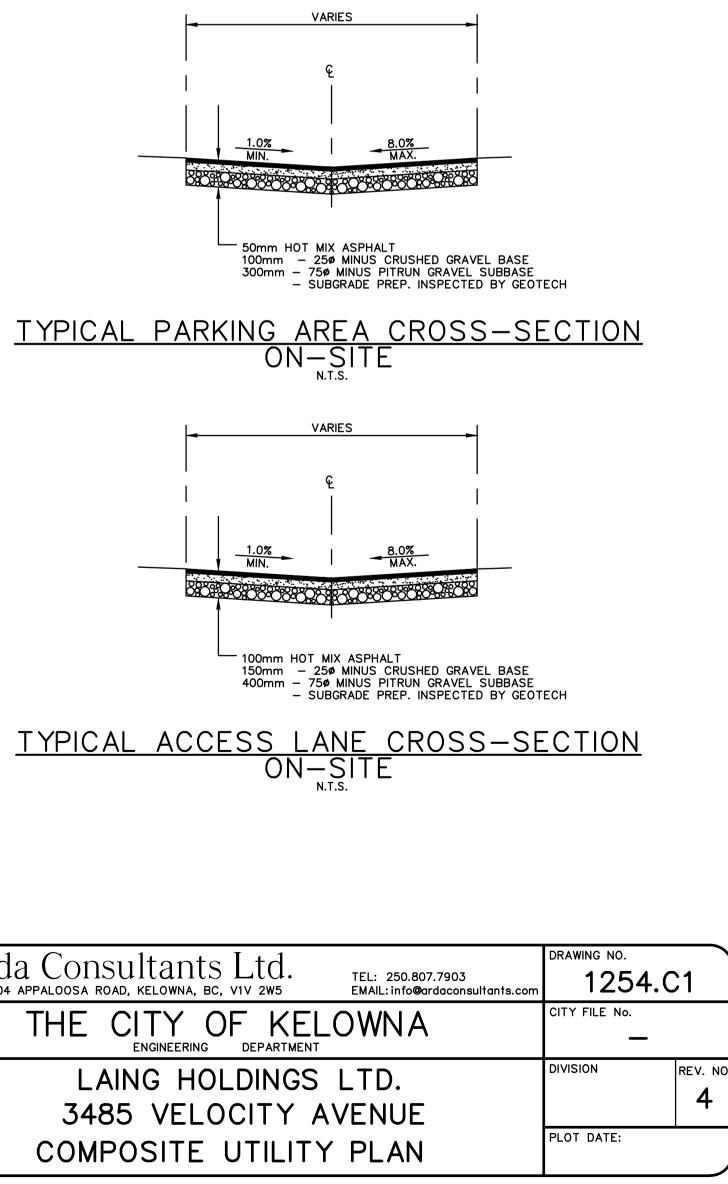
								$Arda _{\#7-3304}$
					DAVID R. PAULS, P. ENG.	DRAWN	G.E.R.	
						DESIGN	G.E.R.	
4	04/25/17	G.E.R.	REVISED BLDG LOCATION - FOR BP SUBMISSION			APPROVED		
3	03/13/17	G.E.R.	GENERAL REVISIONS - FOR BP SUBMISSION	AN ARM MARINE		DATE	DEC., 2016	
2	02/02/17	G.E.R.	GENERAL REVISIONS				DEC., 2016	
1	02/01/17	G.E.R.	GENERAL REVISIONS			SCALE		
No.	MM/DD/YY DATE	BY	REVISION	A K D A CONSULTANTS LTD		1	: 250	

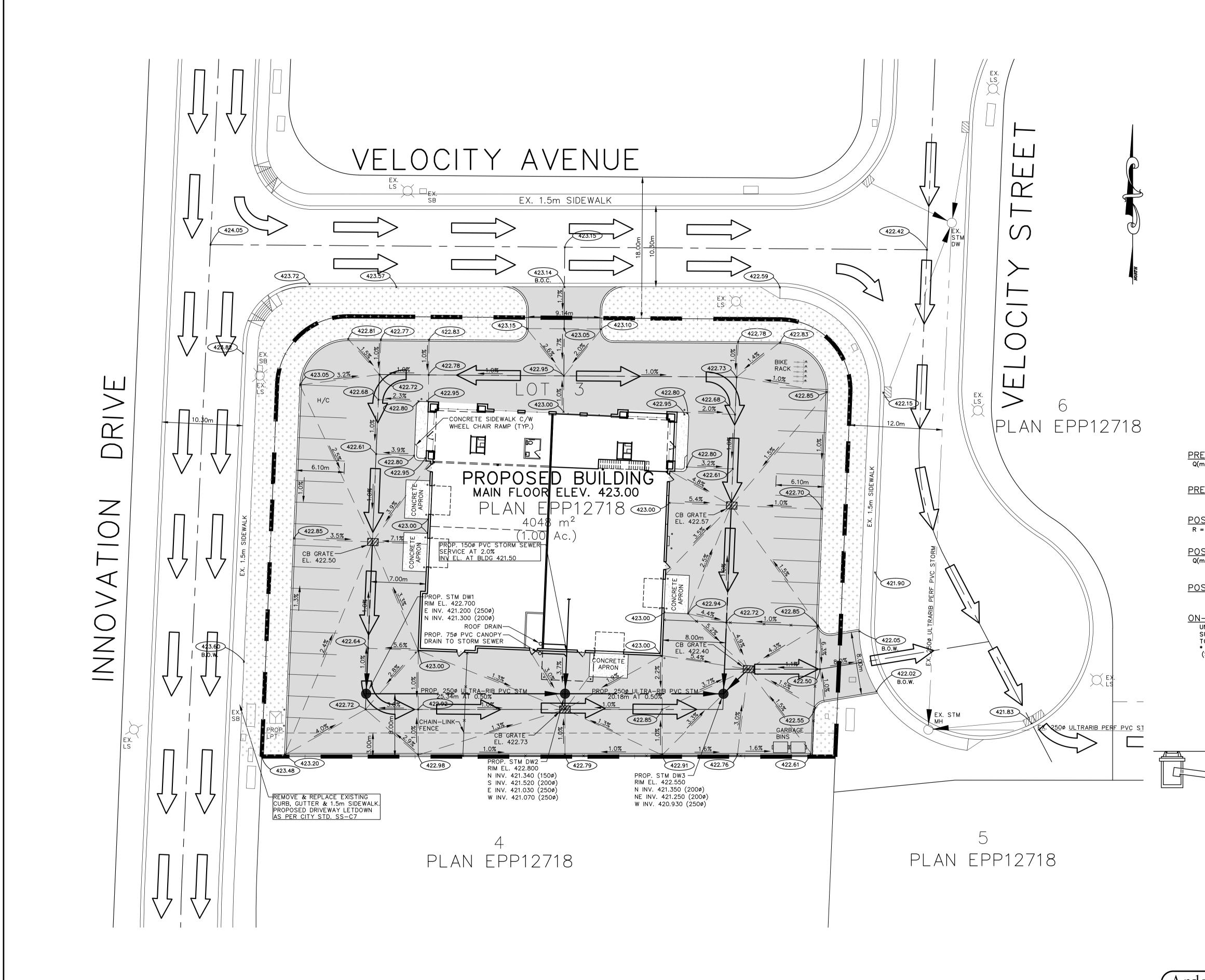


LEGAL DESCRIPTION PROPOSED DEVELOPMENT OF LOT 3, PLAN EPP12718, SEC. 11, TP 23, O.D.Y.D.

CIVIC ADDRESS: 3485 VELOCITY AVENUE

LIST OF DRAWINGS				
DWG. No.	DESCRIPTION			
1254.C1	COMPOSITE UTILITY PLAN			
1254.D1	LOT GRADING PLAN			





													Arda #7-3304 APF
LEGEND		SANITARY MH (EXISTING)								DAVID R. PAULS, P. ENG.	DRAWN	G.E.R.	٦ ا
CABLE TV	ZZ CATCH BASIN	SANITARY MH (PROPOSED)									DESIGN	G.E.R.	1
GAS					4	04/25/17	G.E.R. RI	EVISED BLDG LOCATION - FOR BP SUBMISSION			APPROVED		l
SAN. SEWER	ELECTRICAL BOX	STORM MH (EXISTING)			3	03/13/17	G.E.R. GE	NERAL REVISIONS - FOR BP SUBMISSION	A AN MAR IN		DATE	DE0 0016	1
STORM SEWER		STORM MH (PROPOSED)			2	02/02/17	G.E.R. GI	ENERAL REVISIONS				DEC., 2016	1
U.G. ELECTRICAL	X VALVE M	TRANSFORMER			1	02/01/17	G.E.R. GE	NERAL REVISIONS			SCALE		1
U.G. TELEPHONE WATER	∠ ^{LS} LAMP STANDARD JB		No. DATE BY	REVISION	No	D. DATE	BY	REVISION	A R D A		1::	250	

LEG	AL DESC	RIPTION	<u>N</u>		
)SED DEVELOF 718, SEC. 11,			N	
CIVIC	ADDRESS: 348		Y AVENUE		
	LEGENI PROPOSED	SWALE OR DITCH			
4.0%	POST-DEV	ELOPMENT DRAINA	GE VECTOR (&	GRADE)	
POST-EL. PRE-ELEV.	SPOT ELEV	ATIONS			
RP 578.1	ROCK PIT	LOCATION AND EL	EVATION OF EX.	GROUND	
	100 YR. FL	OOD ROUTE (SU	RFACE)		
	100 YR. FL	OOD ROUTE (IN	PIPE)		
	GE NOTE		IN SPECIFIC		
2. TOE OF FILL O	Y BE CONNECTED TO R CUT TO MEET EXIS LINES OF ABUTTING	STING GROUND ELI			
3. GENERAL CONT	RACTOR IS RESPONS CLUDE DRAINAGE SWA	IBLE FOR FINE LO			
4. FOUNDATION DE RECOMMENDAT	RAINS BY OTHERS (BA IONS) TO BE CONNEC OF SURFACE DRAIN R	TED TO ROCK PI			
STORM [CALCI	JLATIO	NS:	
TOTAL AREA OF SITE TOTAL ROADS & SIDI TOTAL ROOF AREA	EWALKS	4048m² 2633m² 956m²			
IMPERVIOUS AREA PERVIOUS AREA RAINFALL DEPTH (D)		459m²			
I ₅ , 1 Hour Storm = 1	1mm/hr			0.7.0.0.4	
RE-DEVELOPMENT REI (m ³ /s) = CIA/360 = 0.15 x 11mm/hr x 0.4 = 1.9 I/s		ROM 5 YEA	<u>, 1 HOUR</u>	<u>STORM:</u>	
<u>E-DEVELOPMENT_RUI</u> = 1.9 I/s x 60sec/min >		E FROM 5 Y	<u>éar, 1 hou</u>	<u>JR STORM:</u>	
= 6.8m ³) <u>ST-DEVELOPMENT_R</u> = <u>(0.9 x 3589) + (0.15 x 459)</u>		FICIENT:			
$4048m^{2}$ <u>ST-DEVELOPMENT R</u> (m ³ /s) = CIA/360 = 0.81 x 18.9mm/hr x C		FROM 100	<u>YEAR, 1 HO</u>	<u>ur storm:</u>	
= 0.81 x 18.9mm/nr x 0 = 17.2 l/s)ST-DEVELOPMENT_R		ME FROM 10) <u>o year, 1</u>	HOUR STORM	<u>l:</u>
= $17.2 \text{ l/s x } 60 \text{sec/min}$ = 61.9m^3	·				
<u>N-SITE STORAGE VOL</u> UNDERGROUND STORAGE VOLUN SURFACE PONDING AVAILABLE TOTAL AVAILABLE = 41.5m ³ * GROUND RECHARGE TO EXCE (SEE GEOTECHNICAL REPORT	IE FROM PIPES, CAT(= 6.3m ³ ED DEFICIT *		HOLES = 35.2m ³	3	
	,	TO DRA STD. CE	NT AROUND GRA N INTO CB/DW		
		/	TD. SS-S1b) FIT 100 HOLE D	w	
DW3 RIM EL. 422.550			- FIBRETEX 200, FILTER FABRIC	OR EQUAL - GEOLON 200,	
200ø PVC AT 1.0%			- TOP RING SOL	ID	
			— STD. 1200mm	I.D.	
DW3 W INV. 420.93 ∂250ø			100 HOLE DRY 	WELL RAIN ROCK	
		00000	-FILTER FABRIC HOLD BEDDING		
<u>DRAINAGE</u> D	N.T.S		<u>al sec</u>	<u>TION</u>	
la Consultant		TEL: 250.807.7		drawing no.	
THE CITY			aconsultants.com	CITY FILE No.	
	G DEPARTMENT			DIVISION	REV. NO
3485 VEL					4
LOT GR	ADING PL	.AN		PLOT DATE:	



BOTANICAL NAME	COMMON NAME	QTY	SIZE / SPACING & REMARKS
TREES			
ACER GRISEUM	PAPERBARK MAPLE	15	6cm CAL
PINUS PONDEROSA	PONDEROSAPINE	9	6cm CAL
PINUS ARISTATA	ROCKY MOUNTAIN BRISTLECONE PINE	10	6cm CAL
SHRUBS, PERENNIALS & GRASSES			
CORNUS STOLONIFERA 'FARROW'	ARCTIC FIRE DOGWOOD	15	#01 CONT. /1.00 O.C. SPACING
EUONYMUS ALATUS 'COMPACTA'	DWARF BURNING BUSH	4	#01 CONT. /1.50 O.C. SPACING
rosa nutkana	NOOTKA ROSE	7	#01 CONT. /1.25 O.C. SPACING
ARCTOSTAPHYLOS UVA-URSI	KNNIKINNICK	59	#01 CONT. /1.25 O.C. SPACING
MAHONIA REPENS	CREEPING OREGON GRAPE	15	#01 CONT. /0.50 O.C. SPACING
BERBERIS THUNBERGI 'ROSE GLOW'	ROSE GLOW BARBERRY	15	#01 CONT. /1.00 O.C. SPACING #01 CONT. /1.00 O.C. SPACING

IRRIGATION SYSTEM.

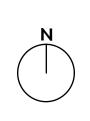
4. TREE AND SHRUB BEDS TO RECEIVE A MINIMUM 300mm DEPTH TOPSOIL PLACEMENT.

1. PLANT MATERIAL AND CONSTRUCTION METHODS SHALL MEET OR EXCEED B.C.L.N.A. STANDARDS. 2. ALL SOFT LANDSCAPE AREAS SHALL BE WATERED BY A FULLY AUTOMATIC TIMED UNDERGROUND

3. TREE AND SHRUB BEDS TO BE DRESSED IN A MINIMUM 50mm WOOD MULCH. DO NOT PLACE WEED MAT UNDERNEATH TREE AND SHRUB BEDS.



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PROJECT TITLE

3485 VELOCITY AVE

KELOWNA, BC

DRAWING TITLE

CONCEPTUAL PLAN

ISSUED FOR / REVISION

1	17.05.03	Review
2		
3		
4		
5		

PROJECT NO	17-050
DESIGN BY	CS
DRAWN BY	CS
CHECKED BY	KG
DATE	MAY 03, 2017
SCALE	1:200

SEAL

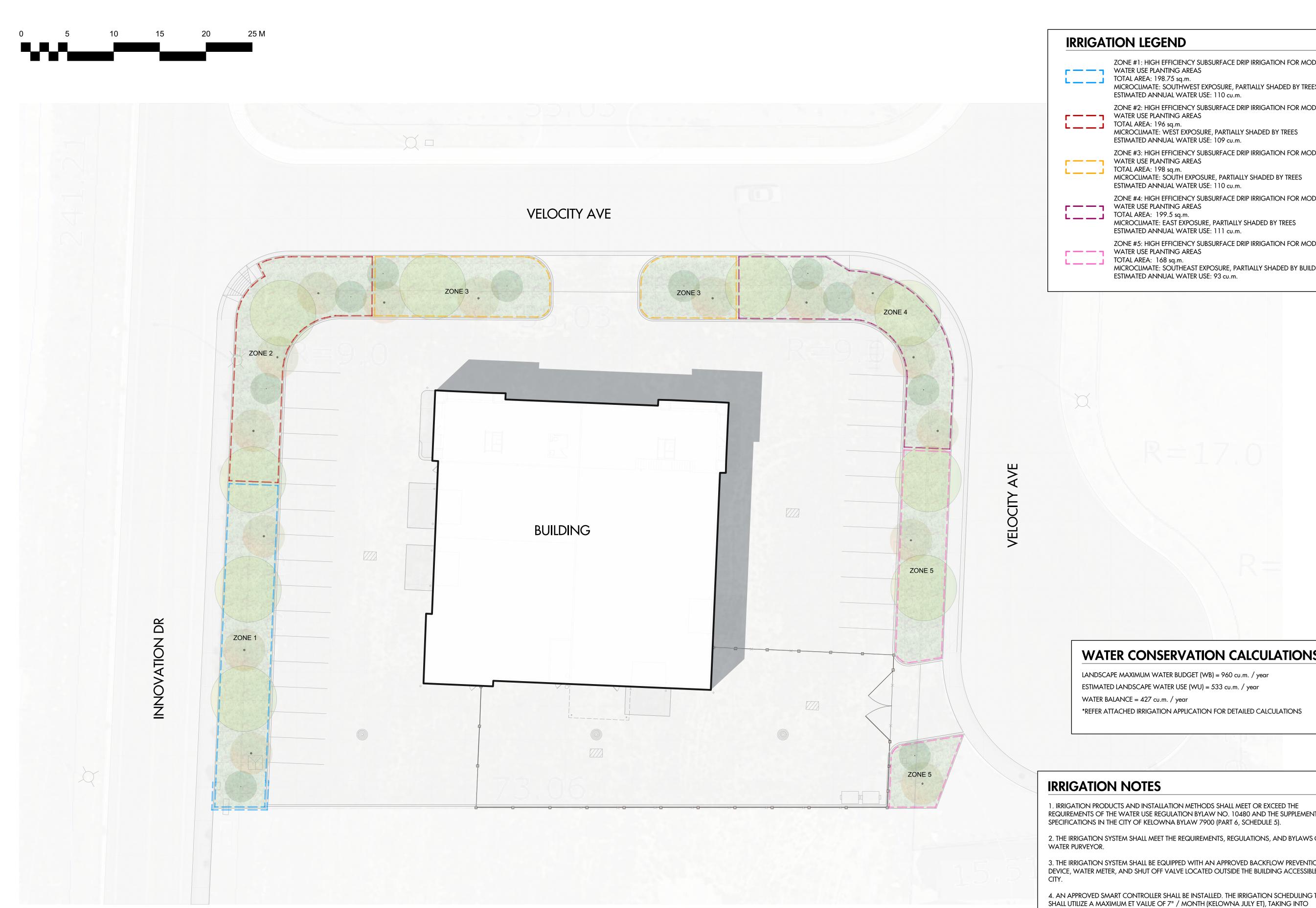


DRAWING NUMBER



ISSUED FOR REVIEW ONLY

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]	ZONE #1: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 198.75 sq.m. MICROCLIMATE: SOUTHWEST EXPOSURE, PARTIALLY SHADED BY TREES ESTIMATED ANNUAL WATER USE: 110 cu.m.
]	ZONE #2: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 196 sq.m. MICROCLIMATE: WEST EXPOSURE, PARTIALLY SHADED BY TREES ESTIMATED ANNUAL WATER USE: 109 cu.m.
==3	ZONE #3: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 198 sq.m. MICROCLIMATE: SOUTH EXPOSURE, PARTIALLY SHADED BY TREES ESTIMATED ANNUAL WATER USE: 110 cu.m.
]	ZONE #4: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 199.5 sq.m. MICROCLIMATE: EAST EXPOSURE, PARTIALLY SHADED BY TREES ESTIMATED ANNUAL WATER USE: 111 cu.m.
]	ZONE #5: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 168 sq.m. MICROCLIMATE: SOUTHEAST EXPOSURE, PARTIALLY SHADED BY BUILDING ESTIMATED ANNUAL WATER USE: 93 cu.m.

WATER CONSERVATION CALCULATIONS

*REFER ATTACHED IRRIGATION APPLICATION FOR DETAILED CALCULATIONS

REQUIREMENTS OF THE WATER USE REGULATION BYLAW NO. 10480 AND THE SUPPLEMENTARY

2. THE IRRIGATION SYSTEM SHALL MEET THE REQUIREMENTS, REGULATIONS, AND BYLAWS OF THE

3. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTION DEVICE, WATER METER, AND SHUT OFF VALVE LOCATED OUTSIDE THE BUILDING ACCESSIBLE TO THE

4. AN APPROVED SMART CONTROLLER SHALL BE INSTALLED. THE IRRIGATION SCHEDULING TIMES CONSIDERATION SOIL TYPE, SLOPE, AND MICROCLIMATE.

5. DRIP LINE AND EMITTERS SHALL INCORPORATE TECHNOLOGY TO LIMIT ROOT INTRUSION.

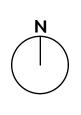
6. IRRIGATION SLEEVES SHALL BE INSTALLED TO ROUTE IRRIGATION LINES UNDER HARD SURFACES AND FEATURES.

7. IRRIGATION PIPE SHALL BE SIZED TO ALLOW FOR A MAXIMUM FLOW OF 1.5m /SEC.

8. A FLOW SENSOR AND MASTER VALVE SHALL BE CONNECTED TO THE CONTROLLER AND PROGRAMMED TO STOP FLOW TO THE SYSTEM IN CASE OF AN IRRIGATION WATER LEAK.



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PROJECT TITLE

3485 VELOCITY AVE

KELOWNA, BC

DRAWING TITLE

WATER CONSERVATION PLAN

IS	ISSUED FOR / REVISION					
1	17.05.03	Review				
2						
3						
4						
5						

PROJECT NO	17-050
DESIGN BY	FB
DRAWN BY	CS
CHECKED BY	KG
DATE	MAY 03, 2017
SCALE	1:200

SEAL



DRAWING NUMBER



ISSUED FOR REVIEW ONLY

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