

DRAWING INDEX		
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ROGERS™

KEY PLAN

NOT TO SCALE



LATITUDE: N 48.693667°

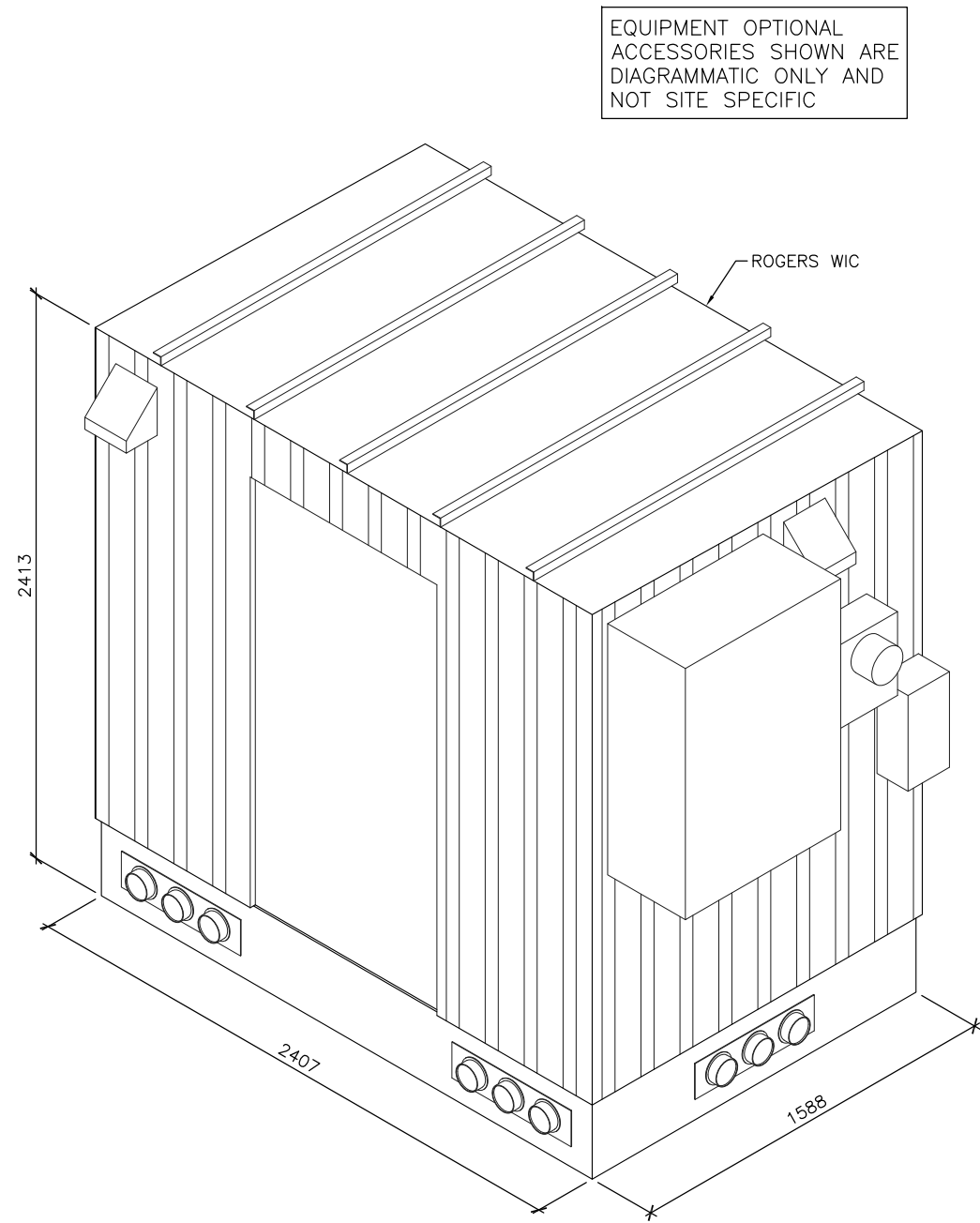
NAD 83

LONGITUDE: W 123.595553°

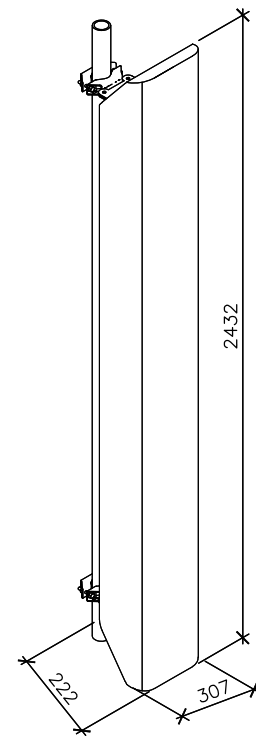
SITE INFORMATION	
SITE ID:	W3519
SITE NAME:	COBBLE HILL
SITE ADDRESS:	1345 FISHER ROAD COBBLE HILL, BC
LEGAL DESCRIPTION:	PID: 017-088-151 LOT A, SECTION 13, RANGE 6, SHAWNIGAN DISTRICT, PLAN VIP51903
SITE CONFIGURATION:	RAWLAND - MONOPOLE
APPLICANT:	ROGERS COMMUNICATIONS INC. 1600-4710 KINGSWAY BURNABY, BC V5H 4W4

2	GENERAL REVISIONS	APR 07/21
1	REVISED PER ROGERS	JUN 25/14
0	ISSUED FOR REVIEW	JUN 02/14
REV	DESCRIPTION	DATE

	PROJECT: W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE:	N/A
		CHECK BY:	LC
		DRAWN BY:	AD
		DATE:	JUN 02/14
		CAD FILE:	T-1
 <small>20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM</small>	DRAWING TITLE: TITLE SHEET	PROJECT NO:	109
		DRAWING NO:	T-1

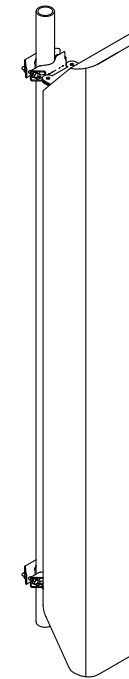


1 WIC ISOMETRIC
- N.T.S.



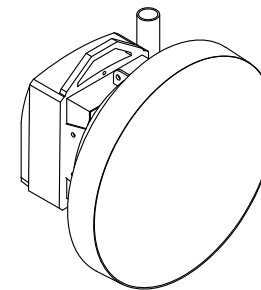
MANUFACTURER: ERICSSON
ANTENNA MODEL: AIR21 B4A B12P B5P
HEIGHT: 2432mm
WIDTH: 307mm
DEPTH: 222mm
WEIGHT: 57.0kg (WITHOUT INSTALLATION KIT)

2 ANTENNA ISOMETRIC
- N.T.S.



ANTENNA MODELS AS PER ROGERS
RADIO SITE QUALIFICATION DATED
MARCH 05, 2014



MANUFACTURER: ERICSSON
ANTENNA MODEL: AIR21 B7A B2P
HEIGHT: T.B.D.
WIDTH: T.B.D.
DEPTH: T.B.D.
WEIGHT: T.B.D.



MANUFACTURER: T.B.D.
ANTENNA MODEL: T.B.D.
DIAMETER: T.B.D.
WEIGHT: T.B.D.

3 MICROWAVE ANTENNA ISOMETRIC
- N.T.S.


2	GENERAL REVISIONS	APR 07/21
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	PROJECT: W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE: N/A
		CHECK BY: LC
		DRAWN BY: AD
		DATE: JUN 02/14
		CAD FILE: A-1
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM	DRAWING TITLE: EQUIPMENT AND ANTENNA DETAILS	PROJECT NO: 109
		DRAWING NO: A-1

ANTENNA LOADING CHART																		
#	ANTENNA ID		ANTENNA/HARDWARE TYPE P= PANEL W= WHIP		HEIGHT RAD CENTRE	ANTENNA HIEGHT REF.	POS	AZMIUTH (°)	MDT (°)	MET (°)		DIV (°)	SPACE DIV (m)	RRU'S TOWER LOADING	RRU'S INITIAL INSTALL	JUMPER TYPES	JUMPER LENGTH (m)	STATUS
	TECHNOLOGY	LABLE								2100/2600	700							
1	LTE/UMTS	4L/4M/1L/1M/1J/1K	AIR21 B4A B12P B5P	P	±48.8m	CENTRE	UP	100°	0°	T.B.D.	T.B.D.	N/A	>2	3	2	LDF4-50A	<5	INITIAL
2	LTE	7L/7M	AIR21 B7A B2P	P	±48.8m	CENTRE	UP	100°	0°	T.B.D.	T.B.D.	N/A	>2	3	0	T.B.D.	T.B.D.	INITIAL
3-4	T.B.D.	T.B.D.	T.B.D.	P	±45.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	N/A	>2	T.B.D.	0	T.B.D.	T.B.D.	FUTURE
5	LTE/UMTS	5L/5M/2L/2M/2J/2K	AIR21 B4A B12P B5P	P	±48.8m	CENTRE	UP	220°	0°	T.B.D.	T.B.D.	N/A	>2	3	2	LDF4-50A	<5	INITIAL
6	LTE	8L/8M	AIR21 B7A B2P	P	±48.8m	CENTRE	UP	220°	0°	T.B.D.	T.B.D.	N/A	>2	3	0	T.B.D.	T.B.D.	INITIAL
7-8	T.B.D.	T.B.D.	T.B.D.	P	±45.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	N/A	>2	T.B.D.	0	T.B.D.	T.B.D.	FUTURE
9	LTE/UMTS	6L/6M/3L/3M/3J/3K	AIR21 B4A B12P B5P	P	±48.8m	CENTRE	UP	340°	0°	T.B.D.	T.B.D.	N/A	>2	3	2	LDF4-50A	<5	INITIAL
10	LTE	9L/9M	AIR21 B7A B2P	P	±48.8m	CENTRE	UP	340°	0°	T.B.D.	T.B.D.	N/A	>2	3	0	T.B.D.	T.B.D.	INITIAL
11-12	T.B.D.	T.B.D.	T.B.D.	P	±45.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	N/A	>2	T.B.D.	0	T.B.D.	T.B.D.	FUTURE
13-15	AWS	T.B.D.	T.B.D.	P	±41.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	FUTURE
16-18	3.5GHz	T.B.D.	T.B.D.	P	±37.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	FUTURE
19-21	2.5GHz	T.B.D.	T.B.D.	P	±33.8m	CENTRE	UP	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	FUTURE

MICROWAVE LOADING CHART							
#	ANTENNA ID	ANTENNA TYPE	HEIGHT RAD CENTRE	AZMIUTH (°)	LINE TYPE	LINE LENGTH (m)	STATUS
1	SOUTH SALTSRING	T.B.D.	±39.8m	T.B.D.	T.B.D.	T.B.D.	PROPSOED

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20755 FRASER HWY
LANGLEY, BC V3A 4G4
TEL: (778) 805-2166
INFO@COREONECONSULTANTS.COM

PROJECT:

W3519
COBBLE HILL
1345 FISHER ROAD

COBBLE HILL
BRITISH COLUMBIA

DRAWING TITLE:

ANTENNA LOADING CHART

SCALE: N/A

CHECK BY: LC

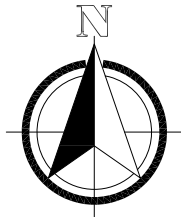
DRAWN BY: AD

DATE: JUN 02/14

CAD FILE: A-2

PROJECT NO: 109

DRAWING NO: A-2



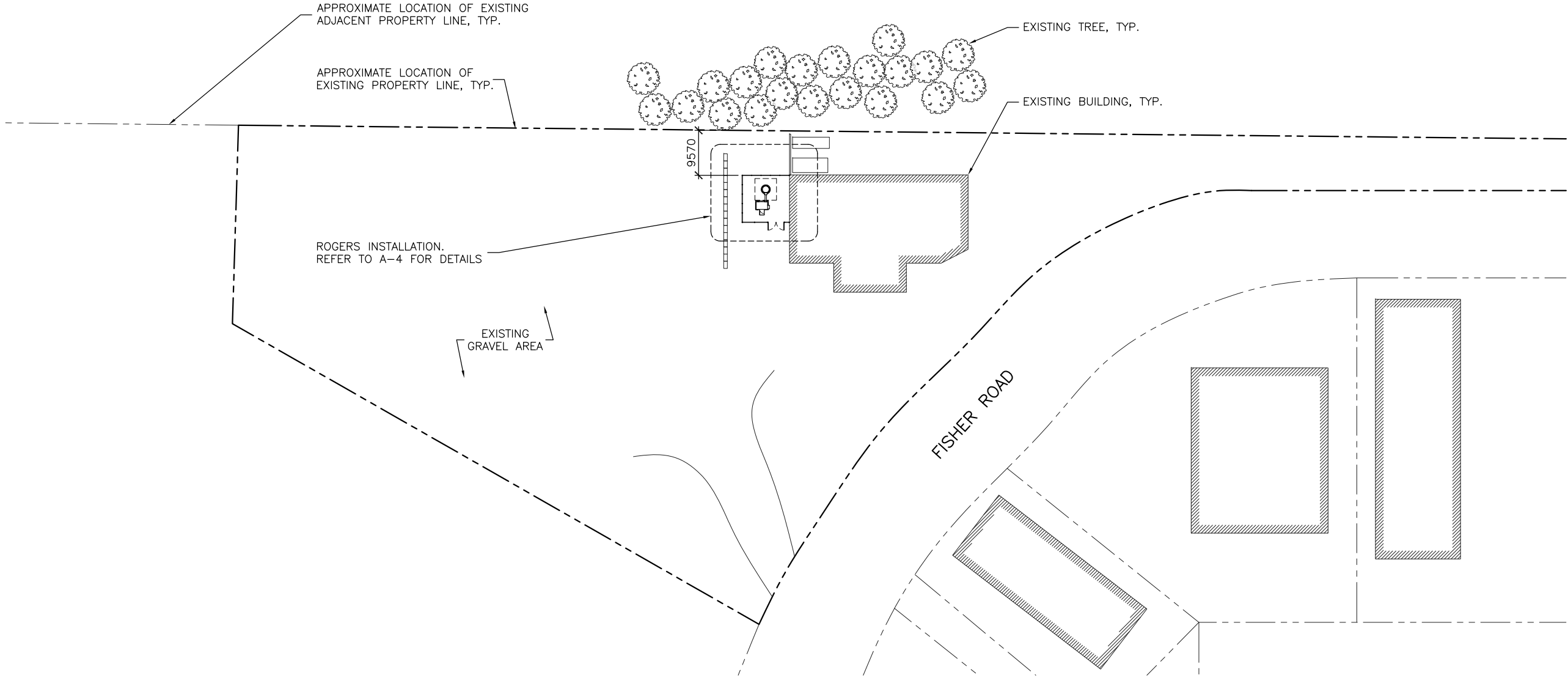
TRUE NORTH ARROW SHOWN ON
THIS DRAWING IS APPROXIMATE
ONLY AND MUST BE VERIFIED

NOTES:

1. SITE PLAN INFORMATION OBTAINED FROM A GIS MAPPING
SYSTEM OF COWICHAN VALLEY REGIONAL DISTRICT, ARIEL
PHOTOGRAPHY AND SITE MEASUREMENTS TAKEN BY CORE
ONE CONSULTING LTD. DATED MAY 27, 2014. THIS
DRAWING DOES NOT REPRESENT A SURVEY.



LEGAL DESCRIPTION:

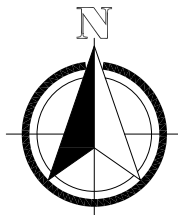
PID: 017-088-151
LOT A, SECTION 13, RANGE 6, SHAWNIGAN DISTRICT,
PLAN VIP51903



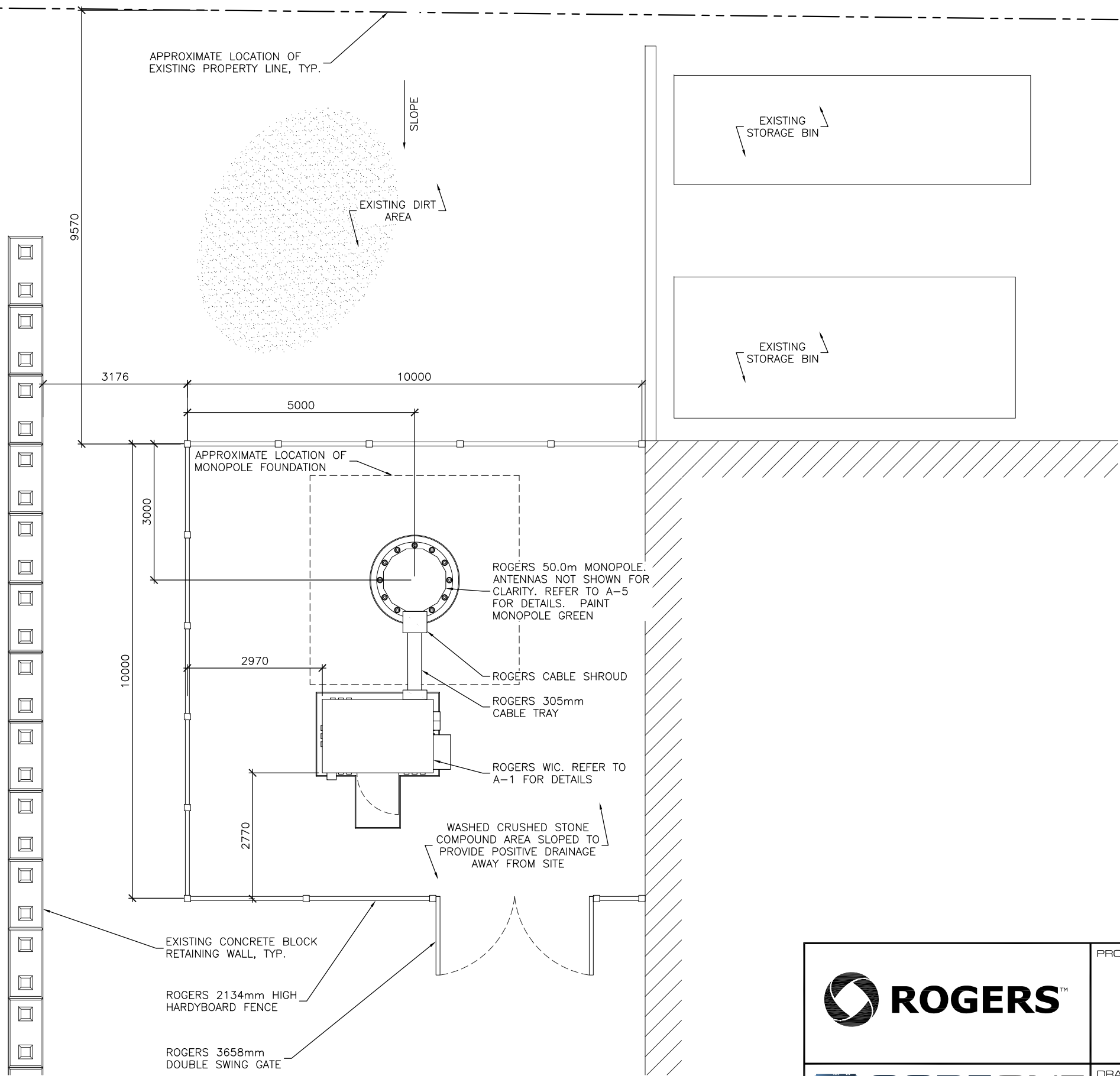
1 SITE PLAN
1:1000

2	GENERAL REVISIONS	APR 07/21
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REV	DESCRIPTION	DATE

	PROJECT: W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE:	AS NOTED
		CHECK BY:	LC
		DRAWN BY:	AD
		DATE:	JUN 02/14
		CAD FILE:	A-3
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM	DRAWING TITLE: SITE PLAN	PROJECT NO:	109
		DRAWING NO: A-3	





TRUE NORTH ARROW SHOWN ON
THIS DRAWING IS APPROXIMATE
ONLY AND MUST BE VERIFIED



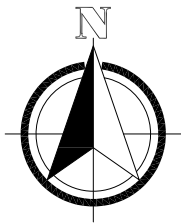
NOTES:

1. COMPOUND LAYOUT INFORMATION OBTAINED FROM SITE
MEASUREMENTS TAKEN BY CORE ONE CONSULTING
LTD. DATED MAY 27, 2014.

2	GENERAL REVISIONS	APR 07/21
1	REVISED PER ROGERS	JUN 25/14
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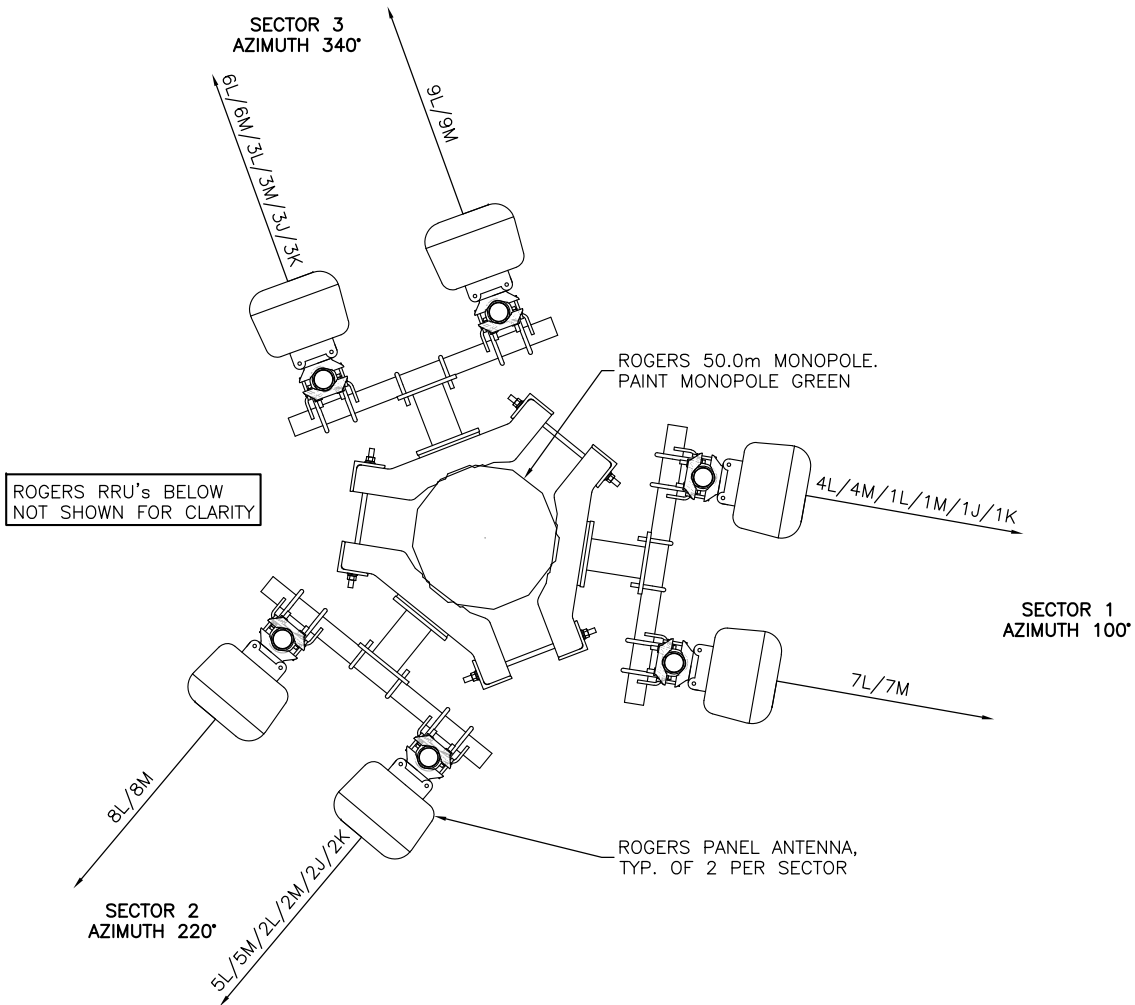
	PROJECT: W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE: AS NOTED
		CHECK BY: LC
		DRAWN BY: AD
		DATE: JUN 02/14
		CAD FILE: A-4
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM	DRAWING TITLE: COMPOUND LAYOUT	PROJECT NO: 109
		DRAWING NO: A-4

1 COMPOUND LAYOUT
1:100



TRUE NORTH ARROW SHOWN ON
THIS DRAWING IS APPROXIMATE
ONLY AND MUST BE VERIFIED

ANTENNA MOUNTING SHOWN IS
DIAGRAMMATIC ONLY AND WILL BE
DESIGNED BY MONOPOLE MANUFACTURER



1 ANTENNA LAYOUT
1:25

2	GENERAL REVISIONS	APR 07/21
1	REVISED PER ROGERS	JUN 25/14
0	ISSUED FOR REVIEW	JUN 02/14
REV	DESCRIPTION	DATE

	PROJECT:	W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE: AS NOTED
	DRAWING TITLE:	ANTENNA LAYOUT	CHECK BY: LC DRAWN BY: AD DATE: JUN 02/14 CAD FILE: A-5 PROJECT NO: 109 DRAWING NO: A-5
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM			

T.O. MONOPOLE
50.0m A.G.L.

ROGERS PANEL ANTENNA RAD CENTRE
±48.8m A.G.L.

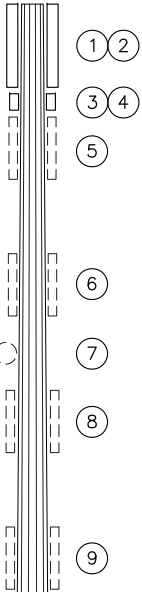
FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±45.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±41.8m A.G.L.

ROGERS M/W ANTENNA RAD CENTRE
±39.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±37.8m A.G.L.


FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±33.8m A.G.L.




1 MONOPOLE PROFILE

ANTENNA LOADING CHART							
NO.	ELEVATION	QTY.	ANTENNA TYPE	Tx LINE	AZIMUTH	CARRIER	STATUS
1	48.8m	3	AIR21 B4A B12P B5P	LDF4 JUMPER	100°, 220°, 340°	ROGERS	PROPOSED
2	48.8m	3	AIR21 B7A B2P	LDF4 JUMPER	100°, 220°, 340°	ROGERS	PROPOSED
3	47.1m	6	RRU	(6) DC + (6) FIBRE		ROGERS	PROPOSED
4	47.1m	12	RRU	T.B.D.		ROGERS	FUTURE
5	45.8m	6	T.B.D.	T.B.D.	T.B.D.	ROGERS	FUTURE
6	41.8m	3	T.B.D. – AWS	T.B.D.	T.B.D.	ROGERS	FUTURE
7	39.8m	1	T.B.D.	T.B.D.	T.B.D.	ROGERS	PROPOSED
8	37.8m	3	T.B.D. – 3.5GHz	T.B.D.	T.B.D.	ROGERS	FUTURE
9	33.8m	3	T.B.D. – 2.5GHz	T.B.D.	T.B.D.	ROGERS	FUTURE

2	GENERAL REVISIONS	APR 07/21
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20755 FRASER HWY
LANGLEY, BC V3A 4G4
TEL: (778) 805-2166
INFO@COREONECONSULTANTS.COM

PROJECT:

W3519
COBBLE HILL
1345 FISHER ROAD

COBBLE HILL
BRITISH COLUMBIA

DRAWING TITLE:

MONOPOLE PROFILE

SCALE: NTS

CHECK BY: LC

DRAWN BY: AD

DATE: JUN 02/14

CAD FILE: A-6

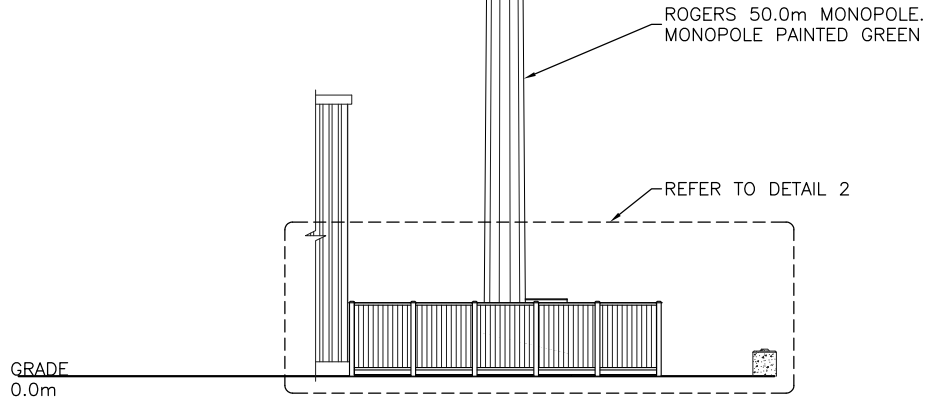
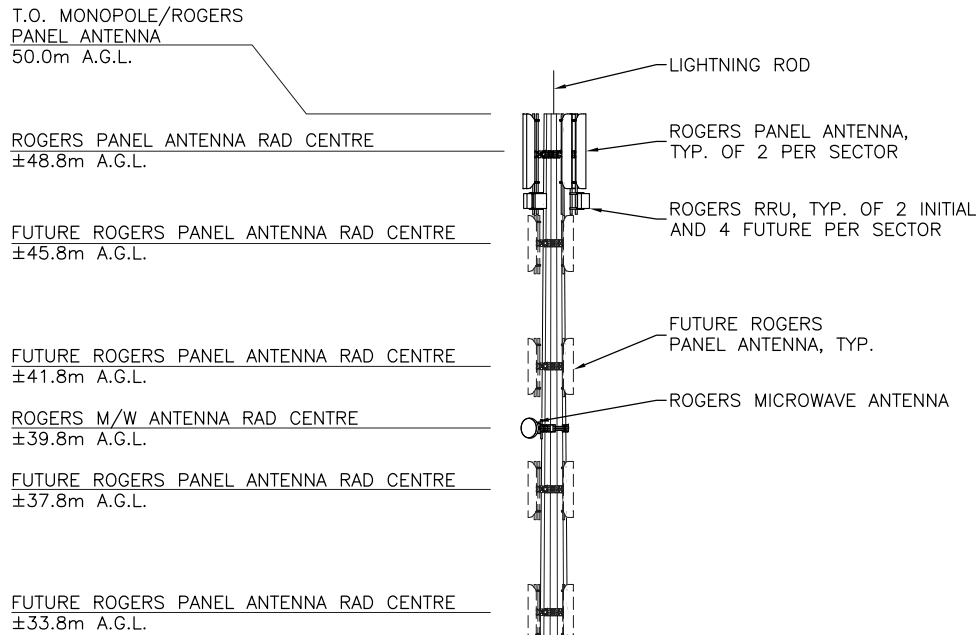
PROJECT NO: 109

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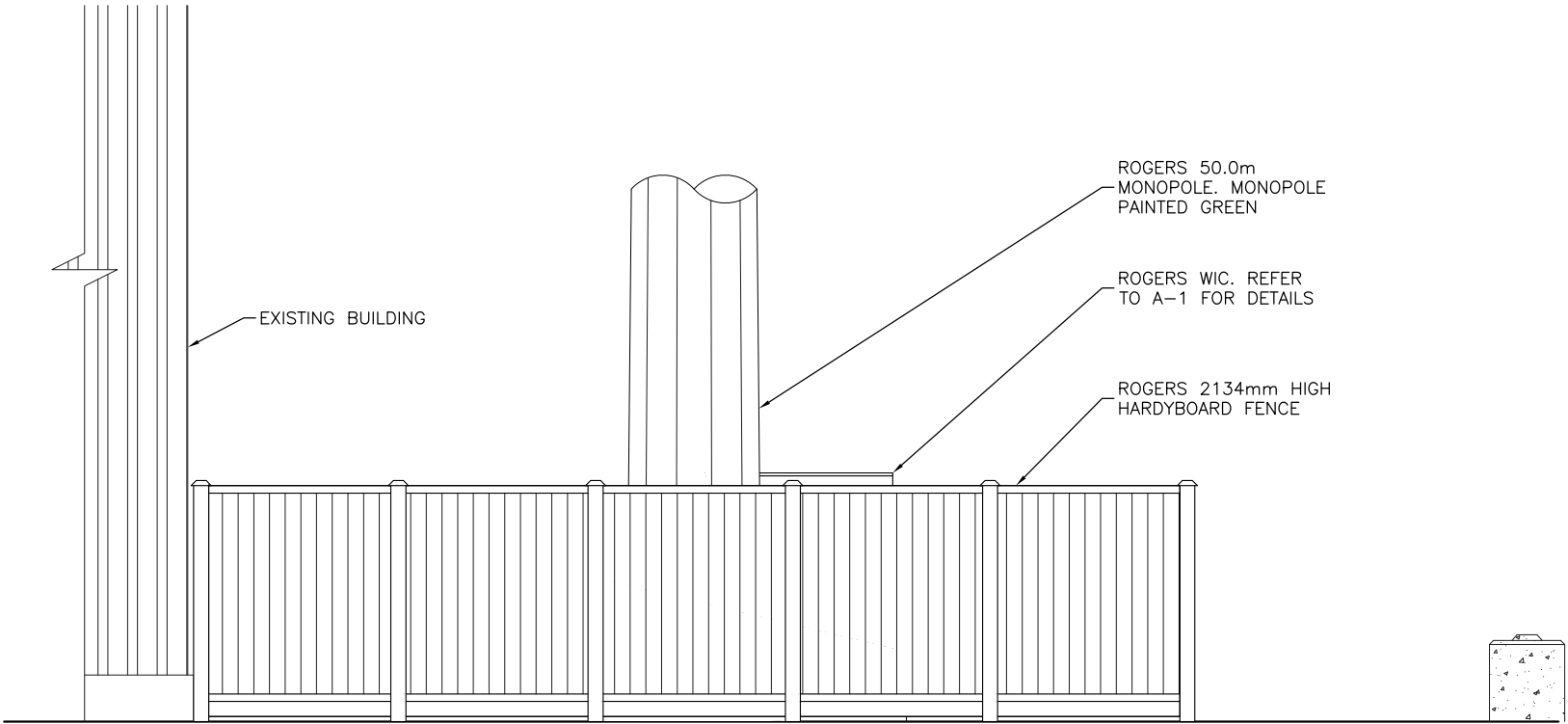
A-6

NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. IF REQUIRED, PROVIDE OBSTRUCTION LIGHTING IN ACCORDANCE WITH TRANSPORT CANADA REQUIREMENTS.





1 NORTH ELEVATION
1:250



2 PARTIAL NORTH ELEVATION
1:75

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	PROJECT: W3519 COBBLE HILL 1345 FISHER ROAD COBBLE HILL BRITISH COLUMBIA	SCALE: AS NOTED
		CHECK BY: LC
		DRAWN BY: AD
		DATE: JUN 02/14
		CAD FILE: A-7
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM	DRAWING TITLE: NORTH ELEVATION	PROJECT NO: 109
		DRAWING NO: A-7

- NOTES:
- 1. ELEVATION IS DIAGRAMMATIC ONLY.
 - 2. IF REQUIRED, PROVIDE OBSTRUCTION LIGHTING IN ACCORDANCE WITH TRANSPORT CANADA REQUIREMENTS.

T.O. MONOPOLE/ROGERS
PANEL ANTENNA
50.0m A.G.L.

ROGERS PANEL ANTENNA RAD CENTRE
±48.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±45.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±41.8m A.G.L.

ROGERS M/W ANTENNA RAD CENTRE
±39.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±37.8m A.G.L.

FUTURE ROGERS PANEL ANTENNA RAD CENTRE
±33.8m A.G.L.

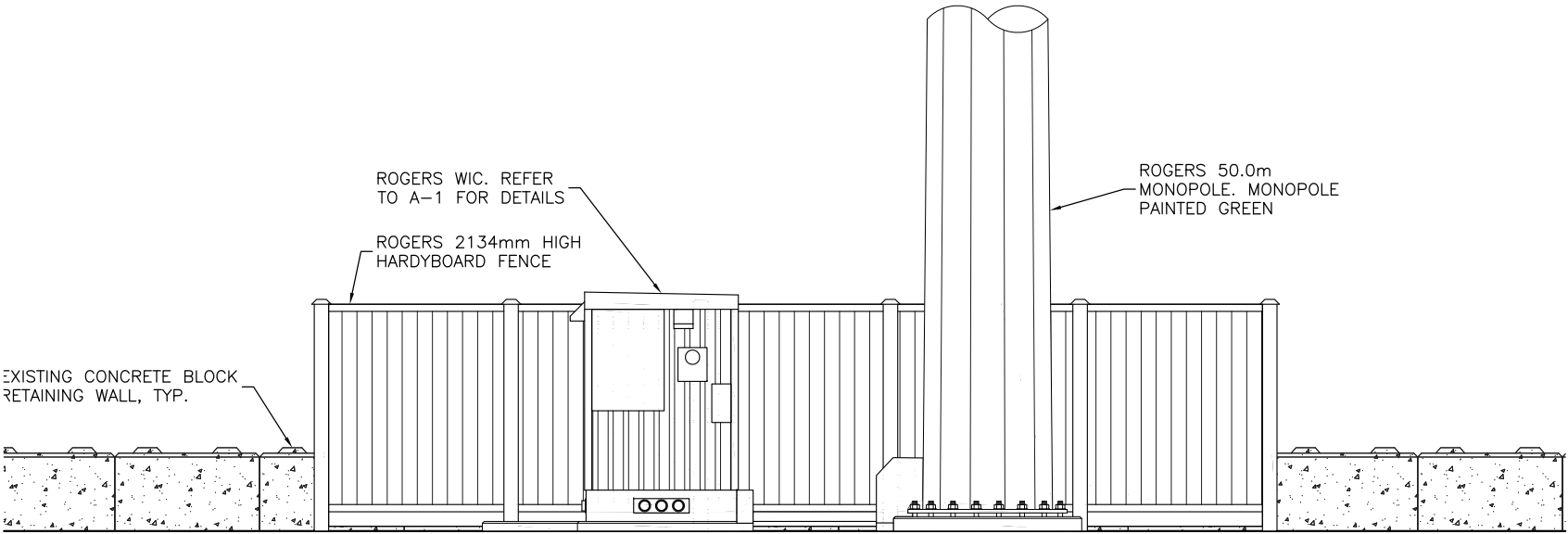
LIGHTNING ROD

ROGERS PANEL ANTENNA,
TYP. OF 2 PER SECTOR

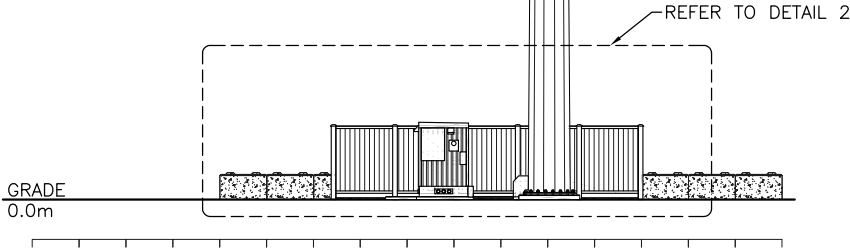
ROGERS RRU, TYP. OF 2 INITIAL
AND 4 FUTURE PER SECTOR

FUTURE ROGERS
PANEL ANTENNA, TYP.

ROGERS MICROWAVE ANTENNA





2 PARTIAL EAST ELEVATION
1:75

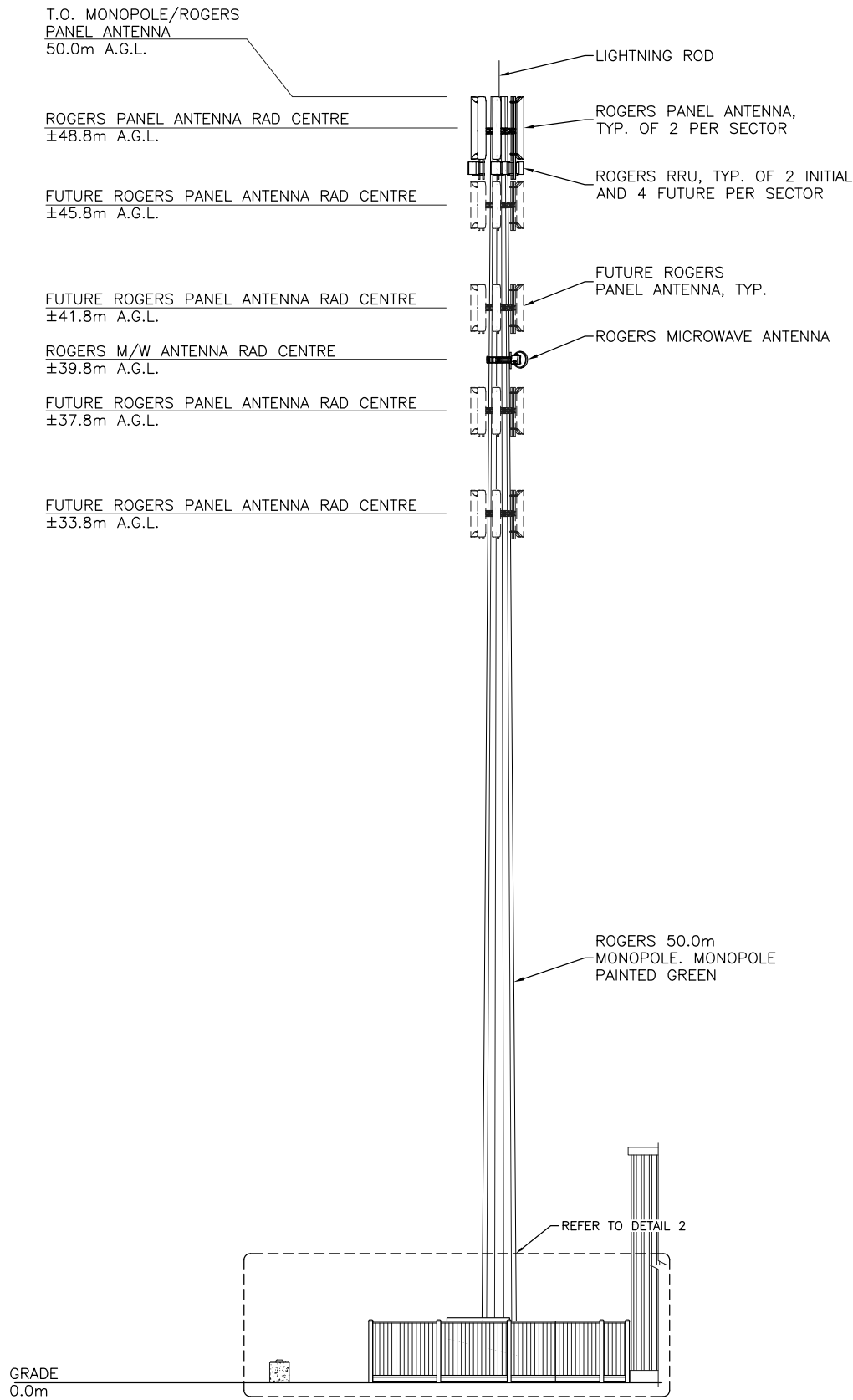


1 EAST ELEVATION
1:250

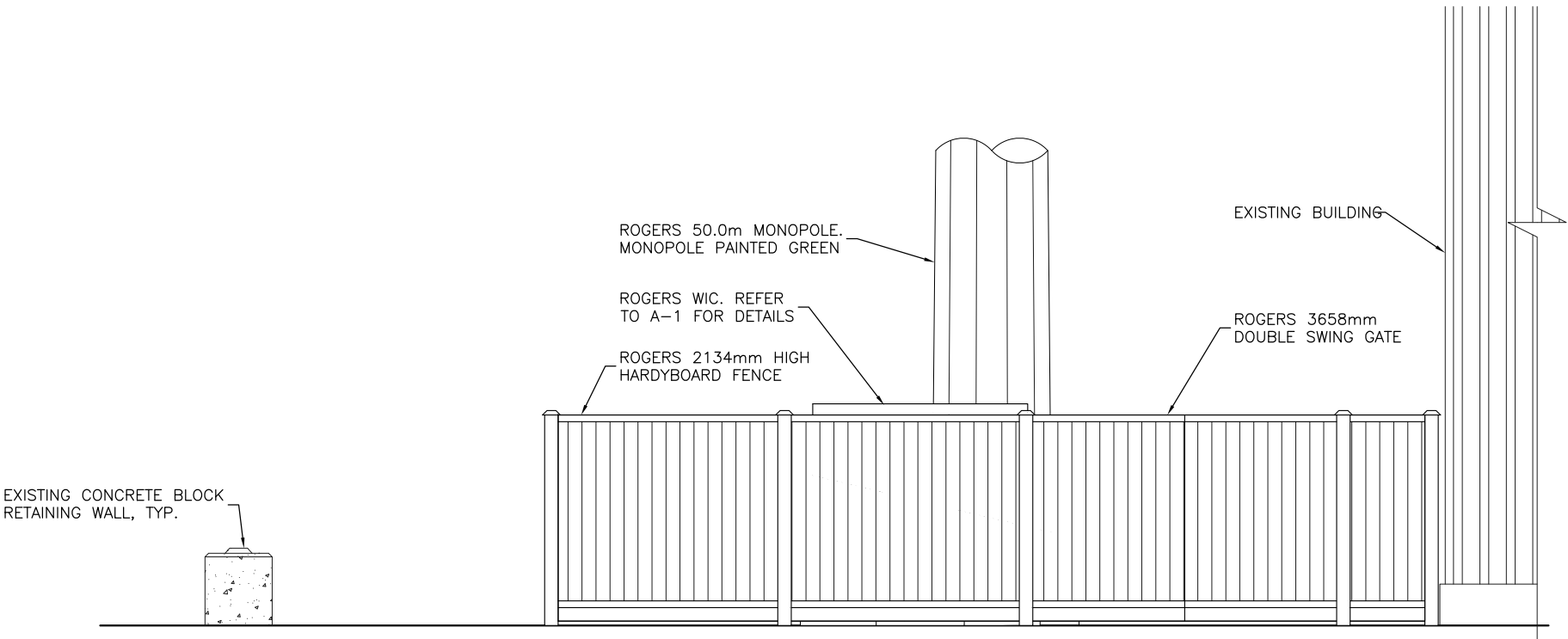
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 ROGERS™	PROJECT:	SCALE: AS NOTED
	W3519	CHECK BY: LC
	COBBLE HILL	DRAWN BY: AD
	1345 FISHER ROAD	DATE: JUN 02/14
	COBBLE HILL BRITISH COLUMBIA	CAD FILE: A-8
 COREONE CONSULTING	DRAWING TITLE:	PROJECT NO: 109
	EAST ELEVATION	DRAWING NO: A-8
20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM		

- NOTES:
- 1. ELEVATION IS DIAGRAMMATIC ONLY.
 - 2. IF REQUIRED, PROVIDE OBSTRUCTION LIGHTING IN ACCORDANCE WITH TRANSPORT CANADA REQUIREMENTS.





1 SOUTH ELEVATION
1:250



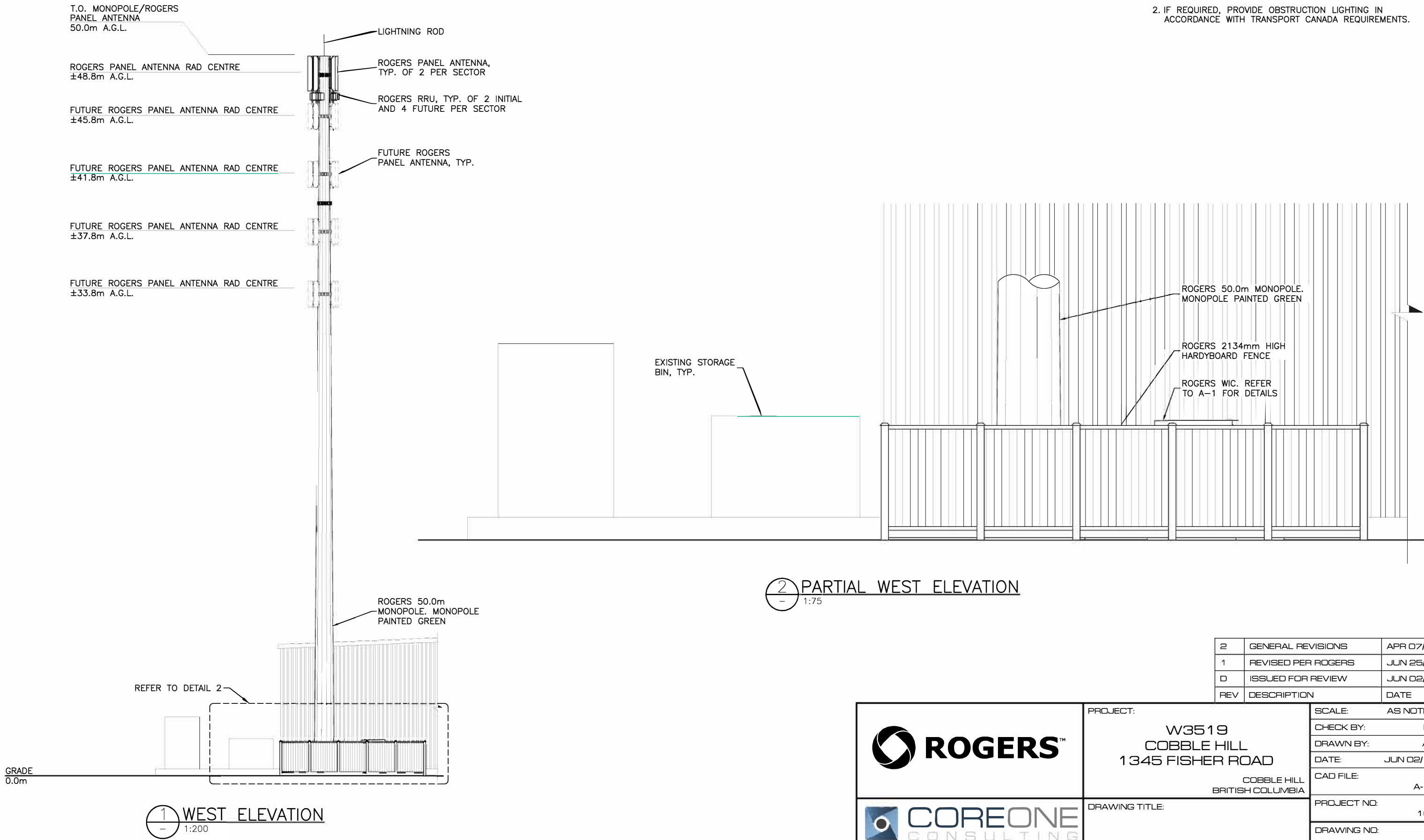
2 PARTIAL SOUTH ELEVATION
1:75

2	GENERAL REVISIONS	APR 07/21
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 ROGERS™	PROJECT:	SCALE: AS NOTED
	W3519	CHECK BY: LC
	COBBLE HILL	DRAWN BY: AD
	1345 FISHER ROAD	DATE: JUN 02/14
	COBBLE HILL BRITISH COLUMBIA	CAD FILE: A-9
 COREONE CONSULTING	DRAWING TITLE:	PROJECT NO: 109
	SOUTH ELEVATION	DRAWING NO: A-9
	20755 FRASER HWY	
	LANGLEY, BC V3A 4G4	
	TEL: (778) 805-2166	
INFO@COREONECONSULTANTS.COM		

NOTES:

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		CHECK BY: LC
		DRAWN BY: AD
		DATE: JUN 02/14
		CAD FILE: A-10
 20755 FRASER HWY LANGLEY, BC V3A 4G4 TEL: (778) 805-2166 INFO@COREONECONSULTANTS.COM	DRAWING TITLE: WEST ELEVATION	PROJECT NO: 109
		DRAWING NO: A-10