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consulting engineers

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DCR PHOENIX C/O LANDRIC HOMES

GEOTECHNICAL INVESTIGATION - HILLSIDE DEV.

PROPOSED MULTI-STORY BUILDING - 3277 ST. JOSEPH BOULEVARD

OTTAWA, ONTARIO

Title: **CROSS SECTION A-A**

Scale:	1:100	Date:	03/2021
Drawn by:	RCG	Report No.:	PG5625
Checked by:	MS	Drawing No.:	FIG. 1
Approved by:	SD	Revision No.:	

P0

70.20m (REFER TO ARCHITECTURAL DRAWINGS)

P1
BUILDING B

67.40m (REFER TO ARCHITECTURAL DRAWINGS)

GEOCOMPOSITE FOUNDATION
DRAINAGE BOARD

P2

64.60m (REFER TO ARCHITECTURAL DRAWINGS)

PROPOSED BUILDING
FOUNDATION WALL

INFERRED USF = 61.80m

APPROVED

By Adam Brown at 1:58 pm, Dec 05, 2023

ADAM BROWN
MANAGER, DEVELOPMENT REVIEW - RURAL
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
DEPARTMENT, CITY OF OTTAWA

NOTES:

- BASED ON AVAILABLE DESIGN DRAWINGS, THE EXISTING 1200mm Ø SEWER PIPE CONSISTS OF ASTM C-76, CLASS V / CSA A257.2, 140D SEWER PIPE
- INFERRED BEDROCK INTERPOLATED BASED ON PRACTICAL REFUSAL DEPTHS AT THE BOREHOLE LOCATIONS
- INVERT ELEVATIONS OF EXISTING CUMBERLAND SANITARY TRUNK SEWER MARKED-UP ON DRAWING PREPARED BY ANNIS OSULLIVAN VOLLEBEKK LTD. DRAWING PROVIDED BY PHOENIX HOMES
- DO NOT EXPOSE THE EXISTING SEWER PIPE AND SURROUNDING BEDDING AND BACKFILL MATERIAL
- PROTECT LATERAL SUPPORT ZONE FOR THE EXISTING SEWER PIPE.

PROPOSED GROUND SURFACE = 67.60m±

P1

70.50m (REFER TO ARCHITECTURAL DRAWINGS)

67.70m (REFER TO ARCHITECTURAL DRAWINGS)

EXISTING GROUND SURFACE = 67.40m±

BUILDING A
P2

GEOCOMPOSITE FOUNDATION
DRAINAGE BOARD

64.90m (REFER TO ARCHITECTURAL DRAWINGS)

PROPOSED BUILDING
FOUNDATION WALL

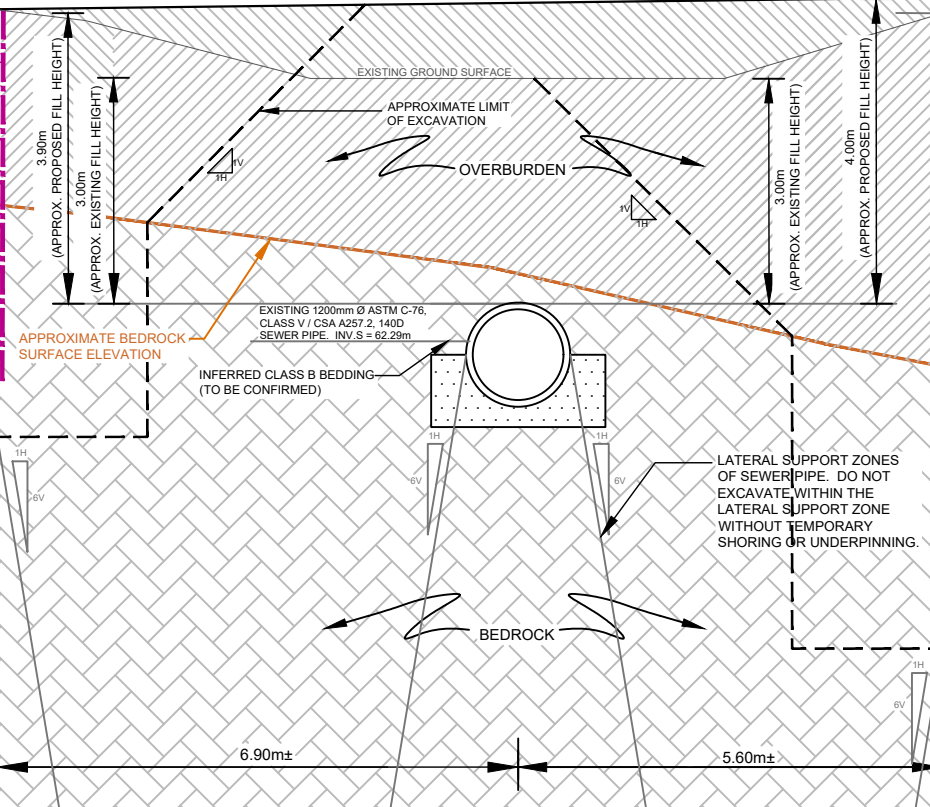
P3

INFERRED BEDROCK ELEVATION = 62.70m±

62.10m (REFER TO ARCHITECTURAL DRAWINGS)

150mmØ SLEEVE
@ 3.0m SPACING

INFERRED USF = 59.00m



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PROPOSED MULTI-STORY BUILDING - 3277 ST. JOSEPH BOULEVARD
OTTAWA, ONTARIO

Title:

CROSS SECTION B-B

Scale:
1:100

Date:
03/2021

Drawn by:
RCG

Report No.:
PG5625

Checked by:
RG

Drawing No.:
FIG. 2

Approved by:
SD

Revision No.:

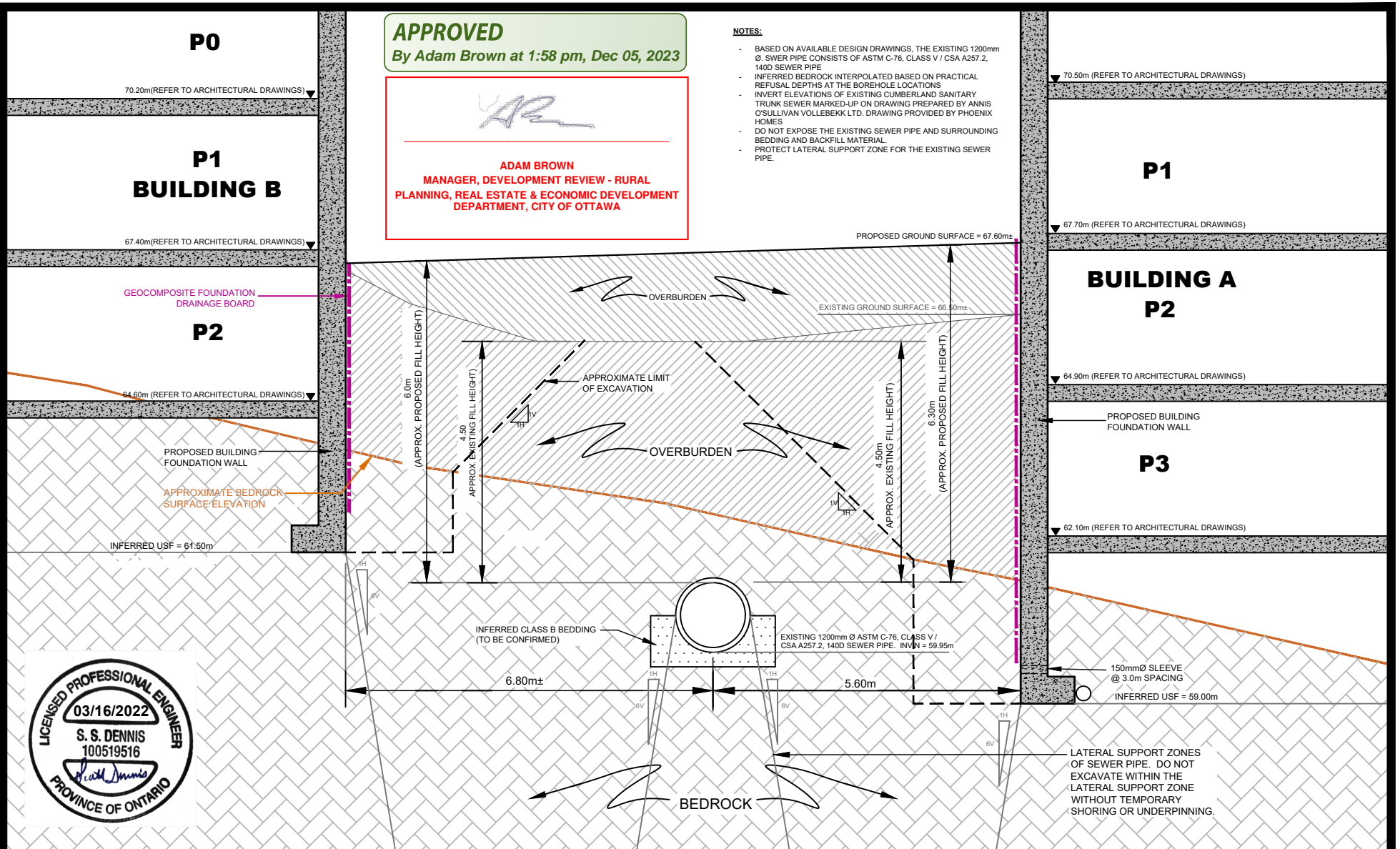
APPROVED
By Adam Brown at 1:58 pm, Dec 05, 2023

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- PROTECT LATERAL SUPPORT ZONE FOR THE EXISTING SEWER PIPE.



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GEOTECHNICAL INVESTIGATION - HILLSIDE DEV.
PROPOSED MULTI-STOREY BUILDING - 3277 ST. JOSEPH BOULVARD
OTTAWA, ONTARIO

Title:

CROSS SECTION C-C

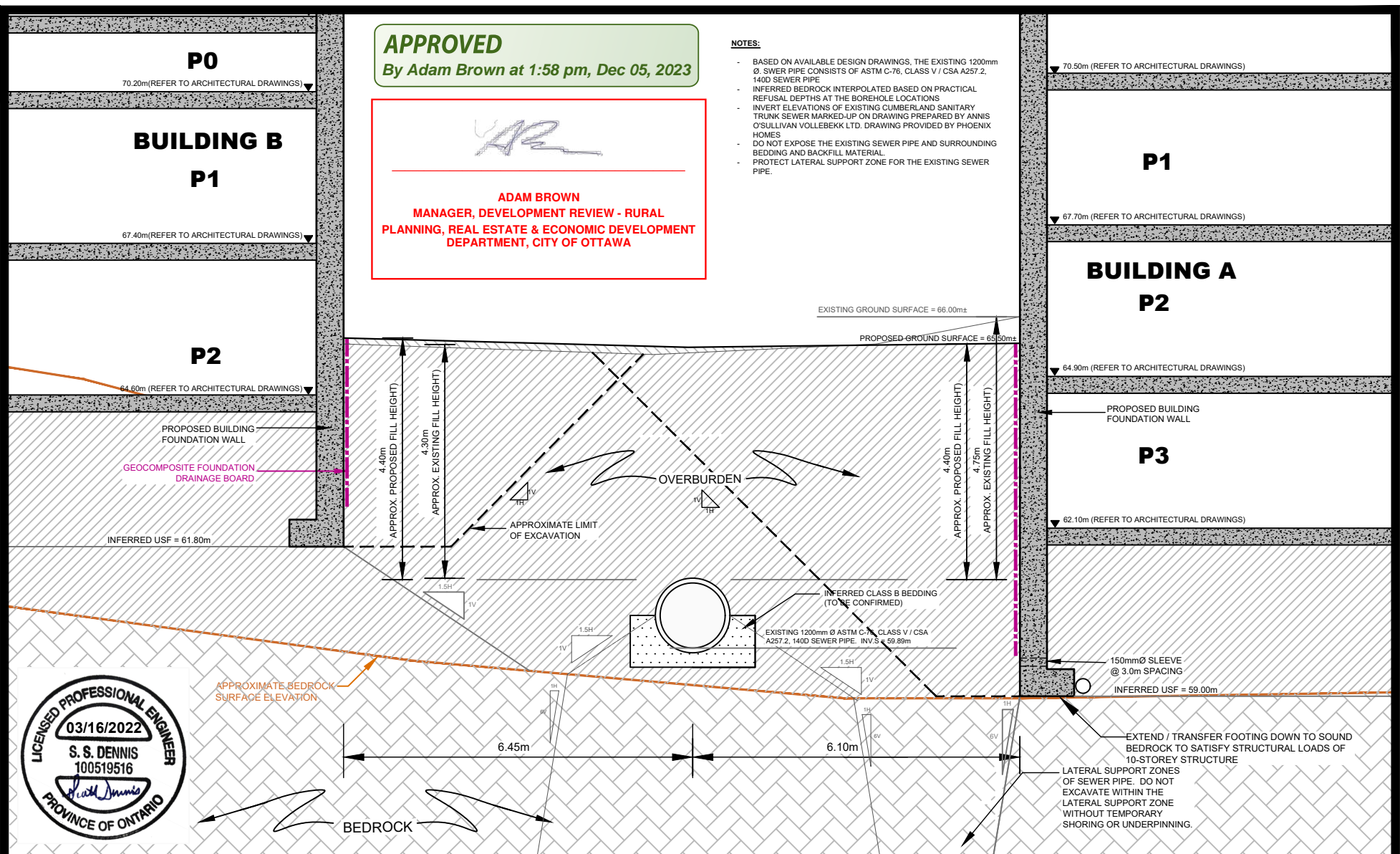
Scale:	1:100	Date:	03/2021
Drawn by:	RCG	Report No.:	PG5625
Checked by:	RG	Drawing No.:	FIG. 3
Approved by:	SD	Revision No.:	

APPROVED
By Adam Brown at 1:58 pm, Dec 05, 2023

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DEPARTMENT, CITY OF OTTAWA

- NOTES:**
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PROPOSED MULTI-STOREY BUILDING - 3277 ST. JOSEPH BOULEVARD

OTTAWA, ONTARIO

Title: **CROSS SECTION D-D**

Scale: **1:100**

Drawn by: **RCG**

Checked by: **RG**

Approved by: **SD**

Date: **03/2021**

Report No.: **PG5625**

Drawing No.: **FIG. 4**

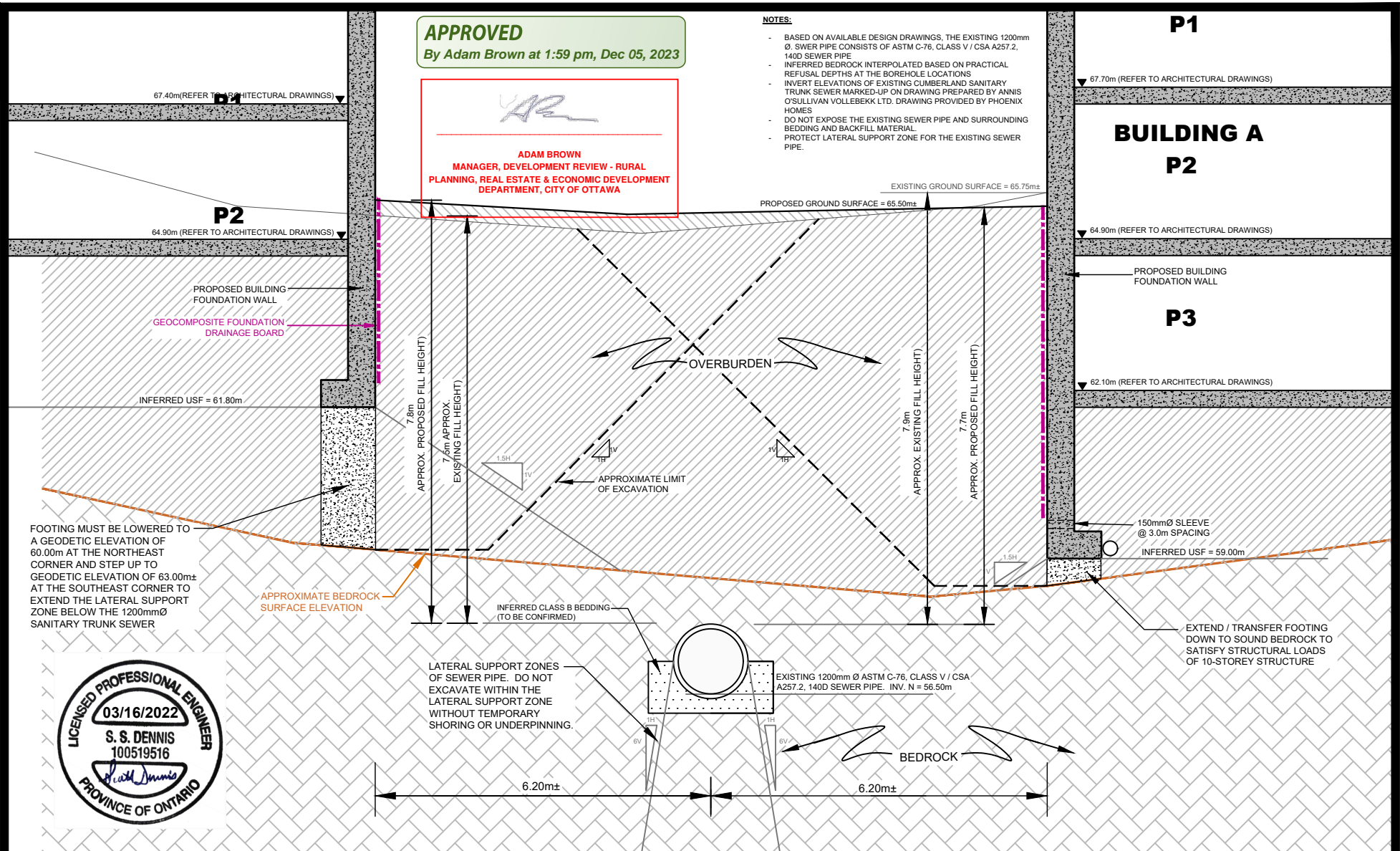
Revision No.:

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By Adam Brown at 1:59 pm, Dec 05, 2023

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 - DO NOT EXPOSE THE EXISTING SEWER PIPE AND SURROUNDING BEDDING AND BACKFILL MATERIAL
 - PROTECT LATERAL SUPPORT ZONE FOR THE EXISTING SEWER PIPE.



FOOTING MUST BE LOWERED TO A GEODETIC ELEVATION OF 60.00m AT THE NORTHEAST CORNER AND STEP UP TO GEODETIC ELEVATION OF 63.00m± AT THE SOUTHEAST CORNER TO EXTEND THE LATERAL SUPPORT ZONE BELOW THE 1200mmØ SANITARY TRUNK SEWER

APPROXIMATE BEDROCK SURFACE ELEVATION

LATERAL SUPPORT ZONES OF SEWER PIPE. DO NOT EXCAVATE WITHIN THE LATERAL SUPPORT ZONE WITHOUT TEMPORARY SHORING OR UNDERPINNING.

EXTEND / TRANSFER FOOTING DOWN TO SOUND BEDROCK TO SATISFY STRUCTURAL LOADS OF 10-STOREY STRUCTURE



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PROPOSED MULTI-STOREY BUILDING - 3277 ST. JOSEPH BOULVARD

OTTAWA, ONTARIO

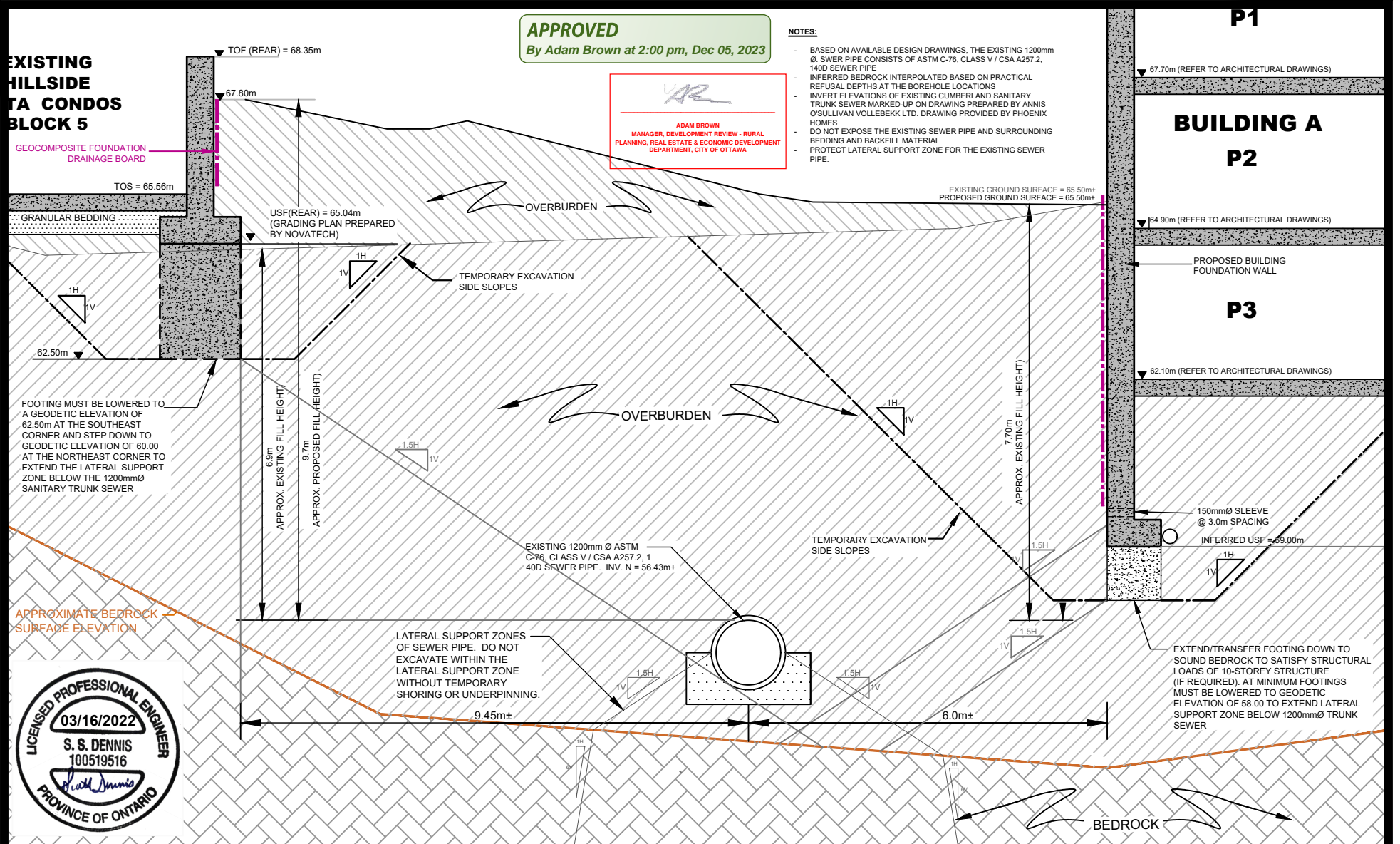
Title: **CROSS SECTION E-E**

Scale:	1:100	Date:	03/2022
Drawn by:	RCG	Report No.:	PG5625
Checked by:	RG	Drawing No.:	FIG. 5
Approved by:	SD	Revision No.:	

APPROVED
By Adam Brown at 2:00 pm, Dec 05, 2023

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OTTAWA, ONTARIO

Title: **CROSS SECTION F-F**

Scale:	1:100	Date:	03/2021
Drawn by:	RCG	Report No.:	PG5625
Checked by:	RG	Drawing No.:	FIG. 6
Approved by:	CDS	Revision No.:	

**EXISTING
HILLSIDE
VISTA CONDOS
BLOCK 5**

TOS = 65.56m

TOF(FRONT) = 68.35m

APPROVED
By Adam Brown at 2:00 pm, Dec 05, 2023

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**BUILDING A
P2**

▼ 67.70m (REFER TO ARCHITECTURAL DRAWINGS)

▼ 64.90m (REFER TO ARCHITECTURAL DRAWINGS)

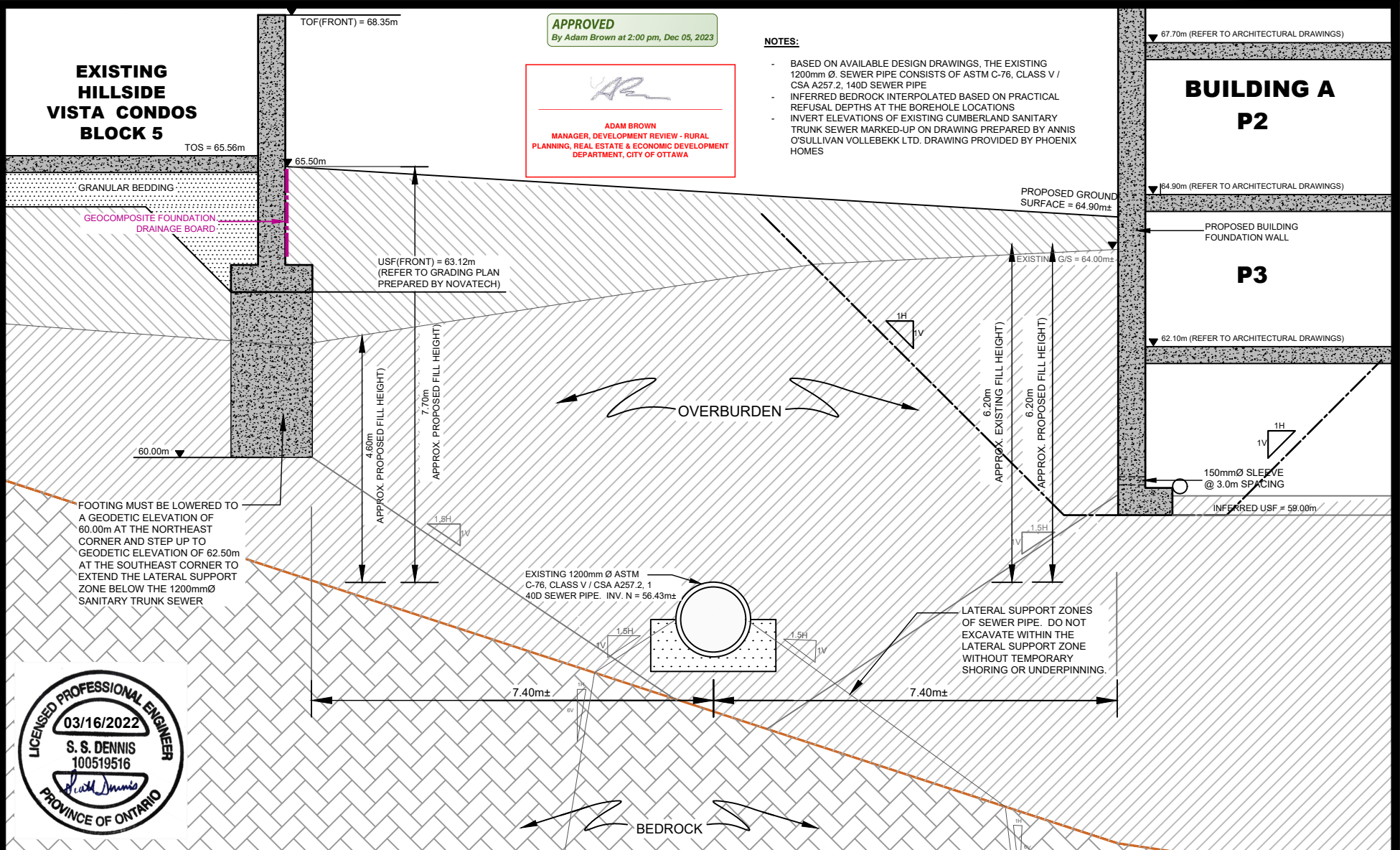
PROPOSED BUILDING
FOUNDATION WALL

P3

▼ 62.10m (REFER TO ARCHITECTURAL DRAWINGS)

150mm Ø SLEEVE
@ 3.0m SPACING

INFERRED USF = 59.00m



FOOTING MUST BE LOWERED TO A GEODETIC ELEVATION OF 60.00m AT THE NORTHEAST CORNER AND STEP UP TO GEODETIC ELEVATION OF 62.50m AT THE SOUTHEAST CORNER TO EXTEND THE LATERAL SUPPORT ZONE BELOW THE 1200mm Ø SANITARY TRUNK SEWER

EXISTING 1200mm Ø ASTM C-78, CLASS V / CSA A257.2, 140D SEWER PIPE. INV. N = 56.43m±

LATERAL SUPPORT ZONES OF SEWER PIPE. DO NOT EXCAVATE WITHIN THE LATERAL SUPPORT ZONE WITHOUT TEMPORARY SHORING OR UNDERPINNING.



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Title: **CROSS SECTION G-G**

Scale:	1:100	Date:	03/2021
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Approved by:	SD	Revision No.:	