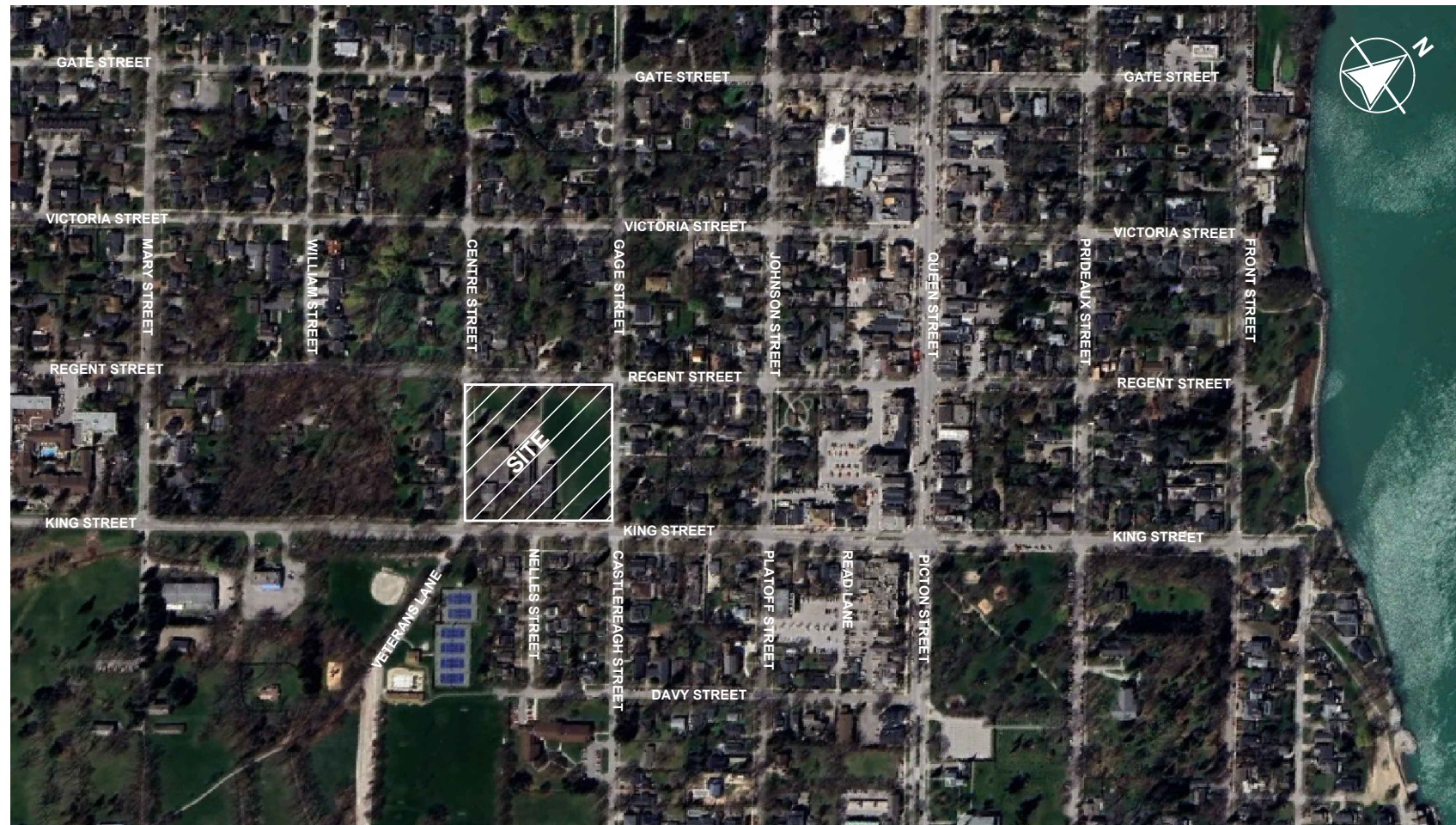




25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

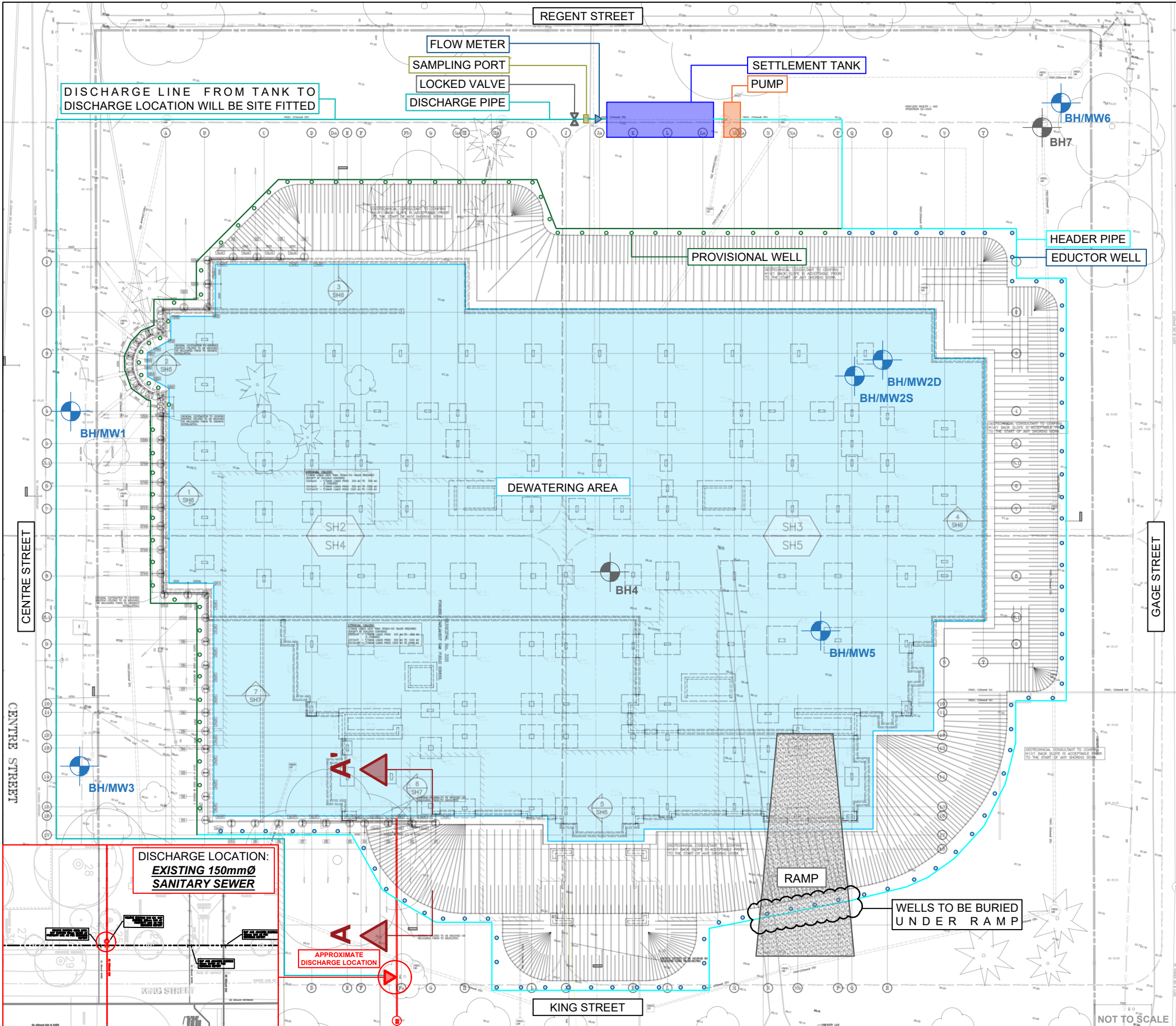


DEWATERING NOTES:

1. Atlas Dewatering will be supplying an eductor dewatering system to assist with groundwater management for the construction of a hotel development located at 325 King Street, Niagara, ON.
2. Dewatering plan prepared under direction of Solmar Development Corporation (*client*) and the marked up shoring plan provided September 24, 2025.
3. Wells will be installed 2-2.5 meters apart and to be installed at the top of the open cut.
4. All geological data interpreted from Soil Engineers Ltd. (2025) Hydrogeological Assessment.
5. Geology may be found to be different that boreholes, resulting in well depth to be site fitted.
6. Daily flows are above 50,000 L/Day, thus an Environmental Activity and Sector Registry (EASR) is required. Client to provide EASR when available.
7. Discharge location to municipal sanitary sewer, discharge requirements as per the relevant governing body (Niagara Region).
8. **Settlement Tank:** When the bed depth reaches at least 1/3rd of the bottom opening (12" i.e. 4" to allow for proper sediment removal. If the sediment bed reaches 12" and blocks the bottom opening, the filtration will no longer occur.
9. Equipment locations are approximate, and the layout is subject to change due to onsite conditions and construction practices during excavation.
10. Well locations are subject to change based on site conditions, buried utilities, property lines etc.
11. All work to be site fitted.
12. Drawing not to scale.
13. Drawing and Report References provided by general contractor:
 - 13.1. Excavation Shoring Drawings, issued for construction on 09/22/2025, DWG No. SH1, SH6-SH8, prepared by Tarra Engineering.
 - 13.2. Hydrogeological Assessment Proposed Hotel Development Parliament Oak Hotel 325 King Street Town of Niagara-on-the-Lake, prepared by Soil Engineers Ltd. dated 08/07/2025 (Rev. 1). **Reference No. 2405-W131.**

TITLE COVER PAGE	CLIENT SOLMAR DEVELOPMENT CORPORATION	ATLAS DRAWING REVISION NOTES (PER CLIENT)																										
		<table border="1"> <thead> <tr> <th>NO.</th> <th>NOTES</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DISCHARGE LOCATION REVISED TO SANITARY</td> <td>11/10/2025</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	NOTES			DATE	1	DISCHARGE LOCATION REVISED TO SANITARY	11/10/2025																		
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PROJECT NO. AND NAME 25-554 HOTEL DEVELOPMENT 325 KING STREET, NIAGARA, ON	DWG. DETAILS FIGURE NO.: COVER PAGE DATE: 11/10/2025 PREPARED: KF REVIEWED: RS																											

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON



ORIENTATION



LEGEND

- ▲ FLOW METER
- SAMPLING PORT
- ⊗ LOCKED VALVE
- SETTLEMENT TANK
- WELL
- PROVISIONAL WELL
- PUMP
- HEADER PIPE
- DISCHARGE PIPE
- DISCHARGE LOCATION
- DEWATERING ZONE
- MONITORING WELL
- BOREHOLE

NO.	ISSUE	DATE
1	DISCHARGE LOCATION REVISED TO SANITARY	11/10/2025
ATLAS DRAWING REVISION NOTES (PER CLIENT)		

CLIENT
SOLMAR DEVELOPMENT CORPORATION

PROJECT NO. AND NAME
25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

TITLE
DEWATERING LAYOUT

Ron Xia
Ron Xia, Ph.D., P.Eng.
PEO # 100020786

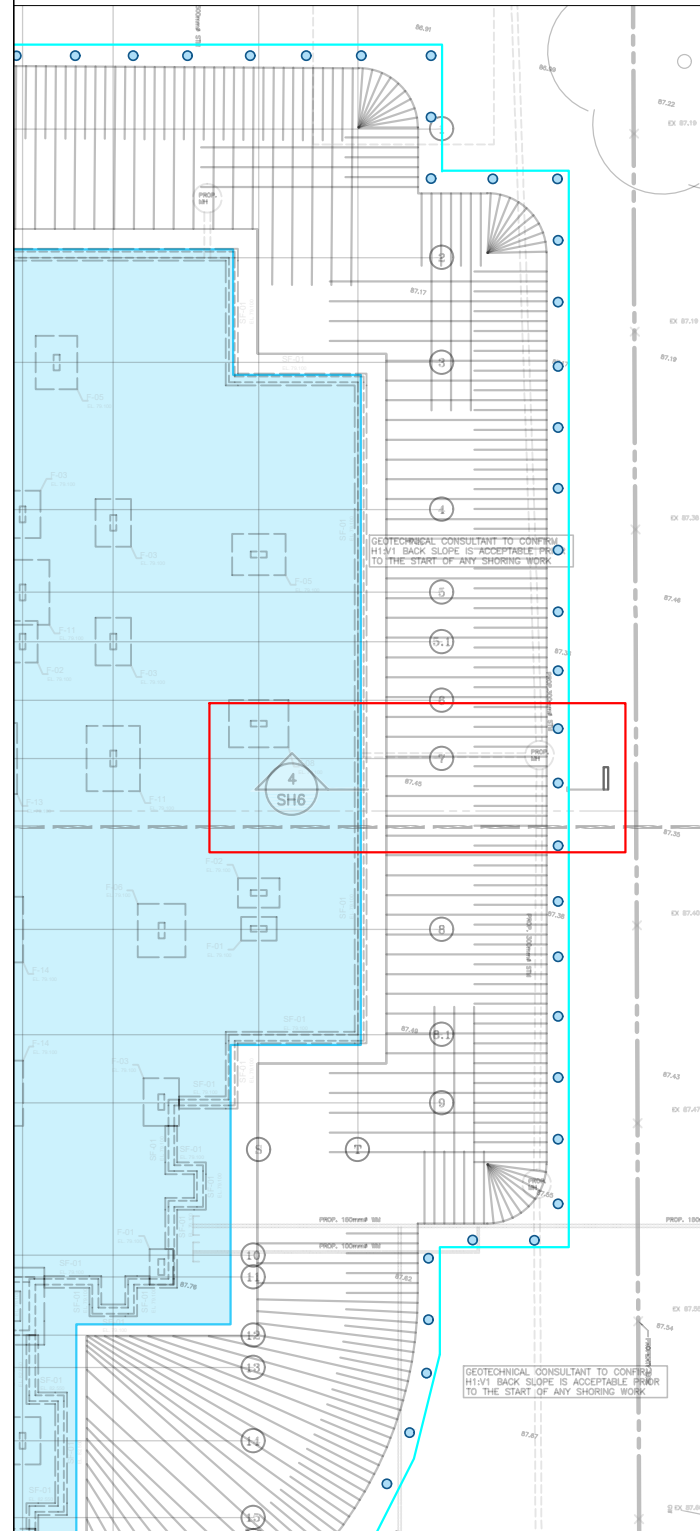


FIGURE NO.: 1
DATE: 11/10/2025
PREPARED BY: KF
REVIEWED: RS

NOT TO SCALE

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

EAST SHORING SECTION | SECTION 4



APP. GRADE ELEVATION ±87.60 mASL

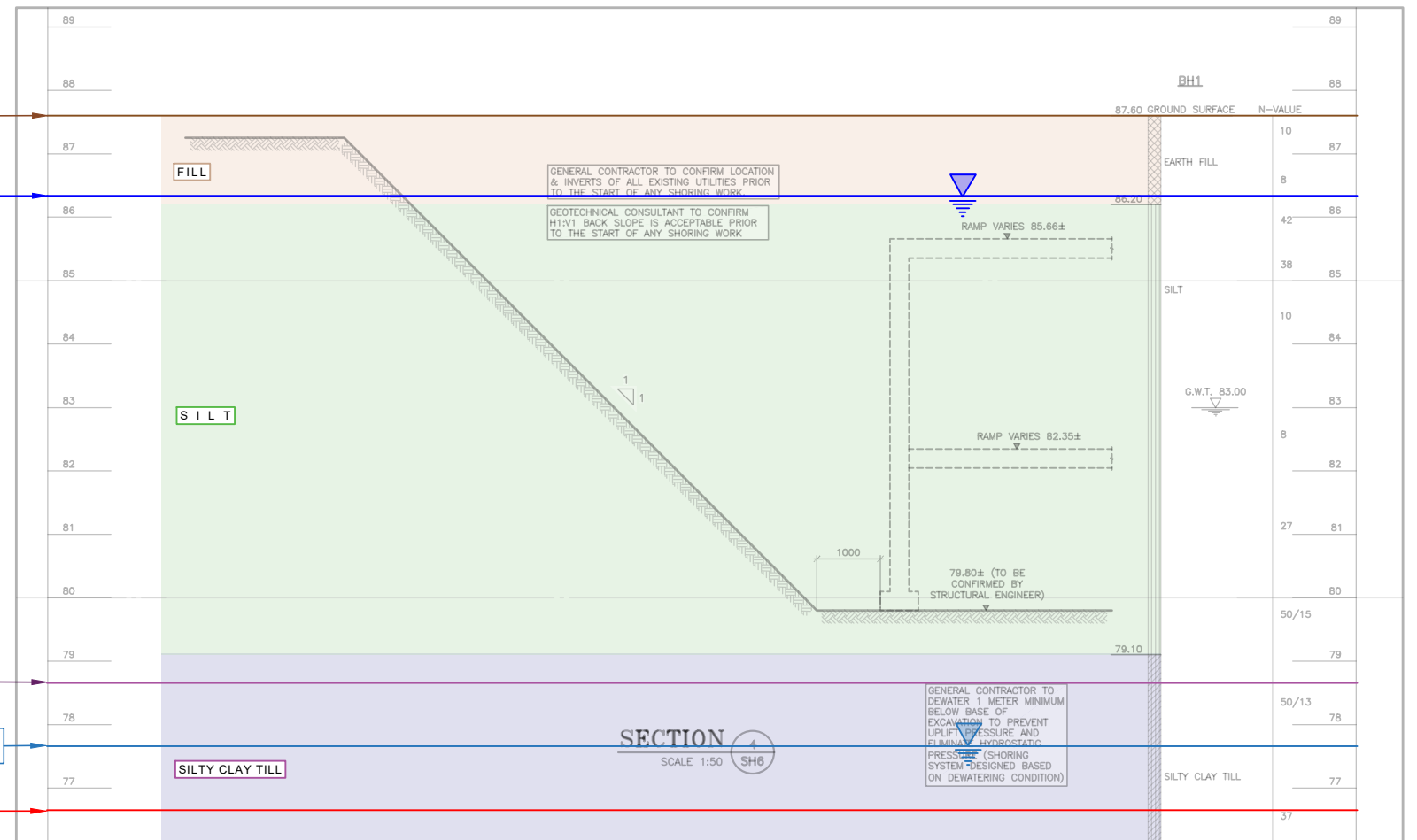
HIGHEST EXISTING WATER TABLE ±86.30 mASL
[BH/MW6 05/06/25 (SOIL ENGINEERS, 2025)]

DEEPEST EXCAVATION DEPTH ±78.60 mASL

PROPOSED TARGET WATER LEVEL ±77.60 mASL

PROPOSED TIP OF WELL ±76.60 mASL

TIP OF WELL AND TARGET WATER LEVEL ARE SUBJECT TO CHANGE BASED ON GEOLOGICAL CONDITIONS INTERCEPTED ONSITE



*GEOLOGY FROM BH/MW1 (SOIL ENGINEERS LTD., 2025)

NOT TO SCALE

TITLE
SHORING WALL | EAST CROSS SECTION | S4

CLIENT
SOLMAR DEVELOPMENT CORPORATION

LEGEND

- EXISTING GRADE ELEVATION
- ▼ EXISTING WATER LEVEL
- ▼ TARGET WATER LEVEL
- EXCAVATION DEPTH
- TIP OF WELL

PROJECT NO. AND NAME
25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

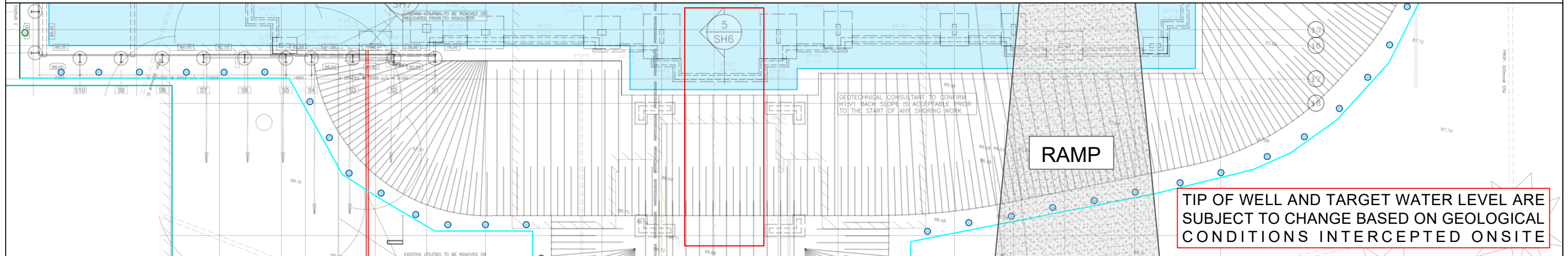
DWG. DETAILS
FIGURE NO.: 2
DATE: 11/10/2025
PREPARED BY: KF
REVIEWED BY: RS

ATLAS DRAWING REVISION NOTES (PER CLIENT)		
NO.	NOTES	DATE
1	DISCHARGE LOCATION REVISED TO SANITARY	11/10/2025



Ron Xia, Ph.D., P.Eng.
PEO # 100020786

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON



SOUTH SHORING SECTION | SECTION 5

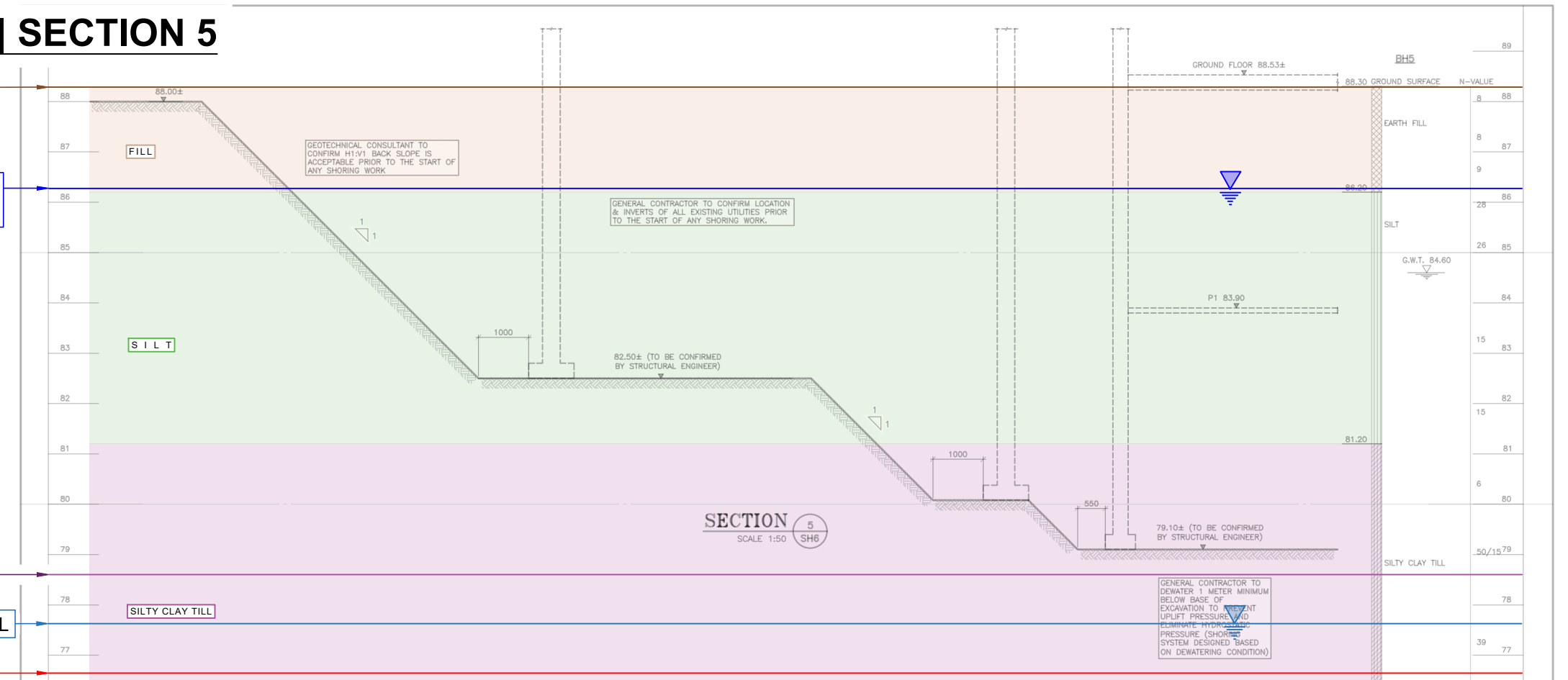
APP. GRADE ELEVATION ±88.30 mASL

HIGHEST EXISTING WATER TABLE ±86.30 mASL
[BH/MW6 05/06/25 (SOIL ENGINEERS, 2025)]

DEEPEST EXCAVATION DEPTH ±78.60 mASL

PROPOSED TARGET WATER LEVEL ±77.60 mASL

PROPOSED TIP OF WELL ±76.60 mASL



Plot: 22Sep2025--11:32am K:\2024\24102 Parliament Oak Inn Niagara-SOLMAR\Design\Current\24102 - SECTION.dwg

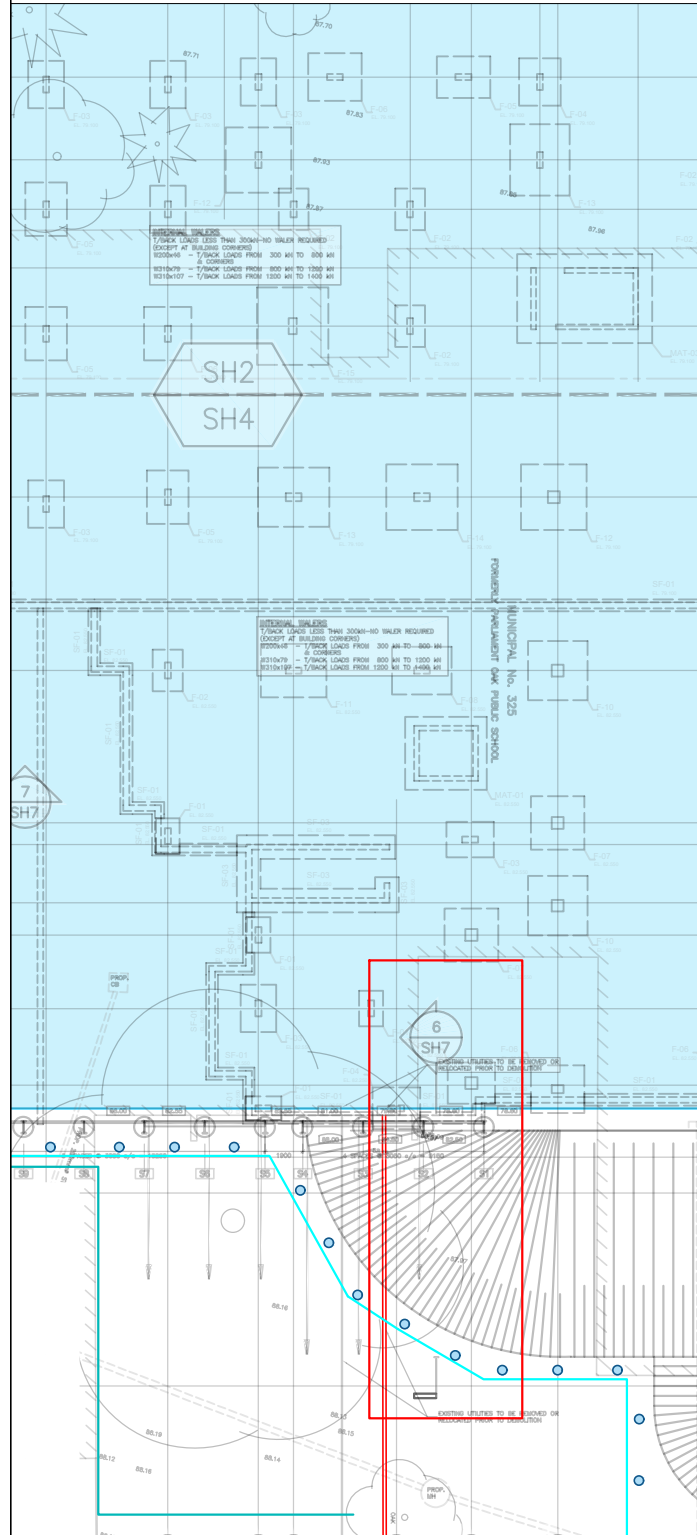
*GEOLOGY FROM BH/MW5 (SOIL ENGINEERS LTD., 2025)

NOT TO SCALE

TITLE	CLIENT	LEGEND	ATLAS DRAWING REVISION NOTES (PER CLIENT)				
SHORING WALL SOUTH CROSS SECTION S5	SOLMAR DEVELOPMENT CORPORATION	<ul style="list-style-type: none"> — EXISTING GRADE ELEVATION — EXISTING WATER LEVEL — TARGET WATER LEVEL — EXCAVATION DEPTH — TIP OF WELL 	NO.	NOTES	DATE		
PROJECT NO. AND NAME	DWG. DETAILS						Ron Xia, Ph.D., P.Eng. PEO # 100020786
25-554 HOTEL DEVELOPMENT 325 KING STREET, NIAGARA, ON	FIGURE NO.: 3 DATE: 11/10/2025 PREPARED BY: KF REVIEWED BY: RS						

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

SOUTH SHORING SECTION | SECTION 6



APP. GRADE ELEVATION ±87.80 mASL

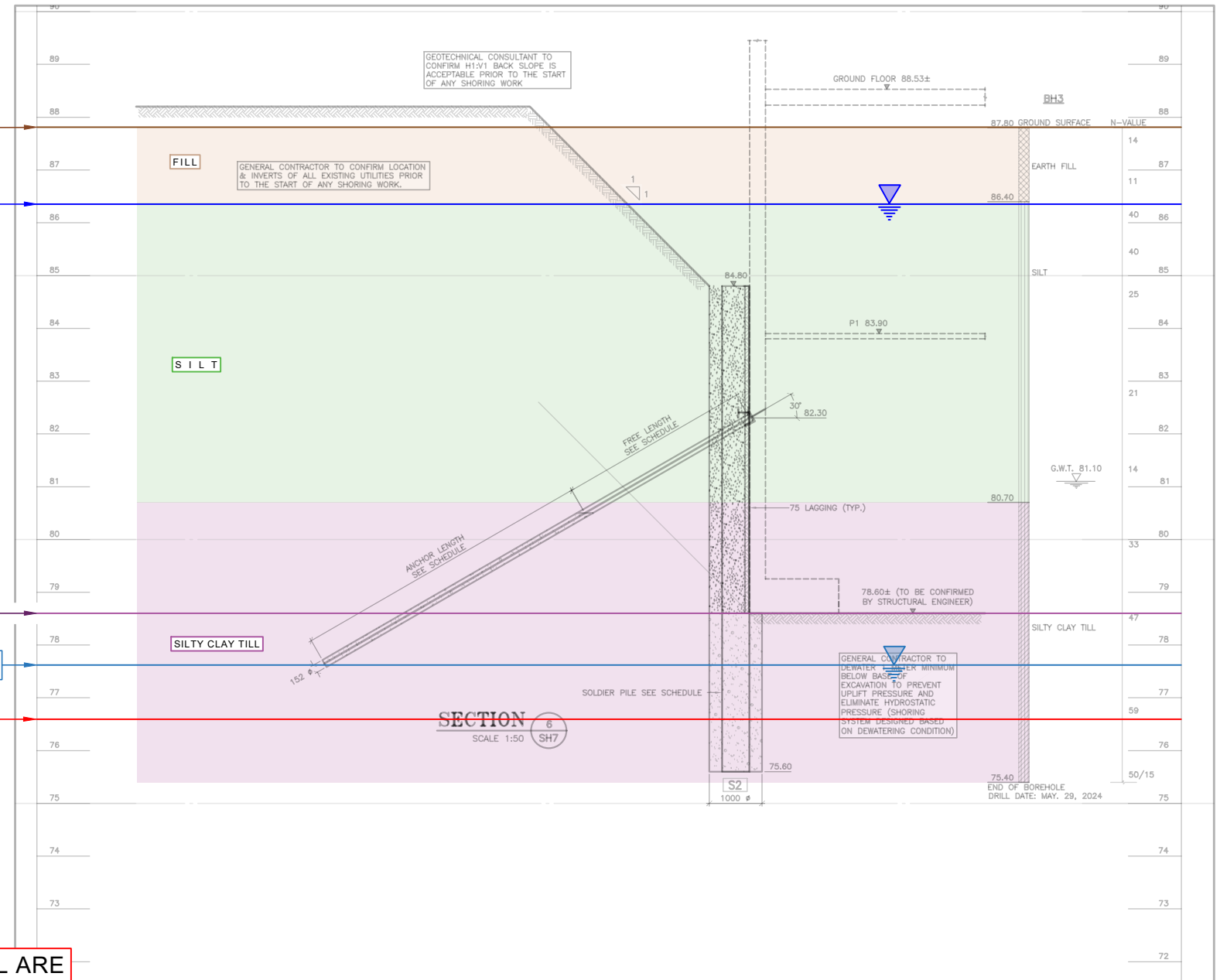
HIGHEST EXISTING WATER TABLE ±86.30 mASL
[BH/MW6 05/06/25 (SOIL ENGINEERS, 2025)]

DEEPEST EXCAVATION DEPTH ±78.60 mASL

PROPOSED TARGET WATER LEVEL ±77.60 mASL

PROPOSED TIP OF WELL ±76.60 mASL

TIP OF WELL AND TARGET WATER LEVEL ARE SUBJECT TO CHANGE BASED ON GEOLOGICAL CONDITIONS INTERCEPTED ONSITE



*GEOLOGY FROM BH/MW3 (SOIL ENGINEERS LTD., 2025)

NOT TO SCALE

TITLE
SHORING WALL | SOUTH CROSS SECTION | S6

CLIENT
SOLMAR DEVELOPMENT CORPORATION

LEGEND

- EXISTING GRADE ELEVATION
- EXISTING WATER LEVEL
- TARGET WATER LEVEL
- EXCAVATION DEPTH
- TIP OF WELL

PROJECT NO. AND NAME
25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

DWG. DETAILS
FIGURE NO.: 4
DATE: 11/10/2025
PREPARED BY: KF
REVIEWED BY: RS

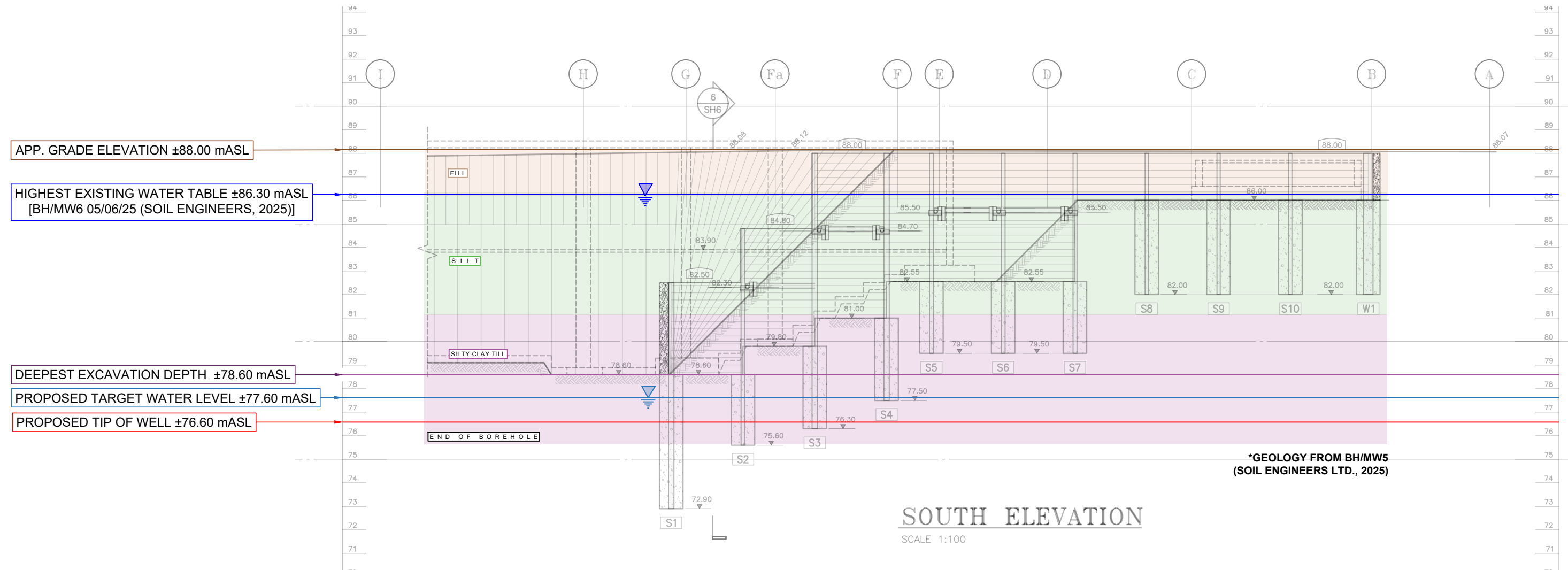
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NO.	NOTES	DATE
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PEO # 100020786

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

SOUTH WALL PROFILE



TIP OF WELL AND TARGET WATER LEVEL ARE SUBJECT TO CHANGE BASED ON GEOLOGICAL CONDITIONS INTERCEPTED ONSITE

NOT TO SCALE

TITLE SHORING WALL SOUTH PROFILE	CLIENT SOLMAR DEVELOPMENT CORPORATION	LEGEND <ul style="list-style-type: none"> EXISTING GRADE ELEVATION EXISTING WATER LEVEL TARGET WATER LEVEL EXCAVATION DEPTH TIP OF WELL 	ATLAS DRAWING REVISION NOTES (PER CLIENT) <table border="1"> <thead> <tr> <th>NO.</th> <th>NOTES</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DISCHARGE LOCATION REVISED TO SANITARY</td> <td>11/10/2025</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	NOTES	DATE	1	DISCHARGE LOCATION REVISED TO SANITARY	11/10/2025																										
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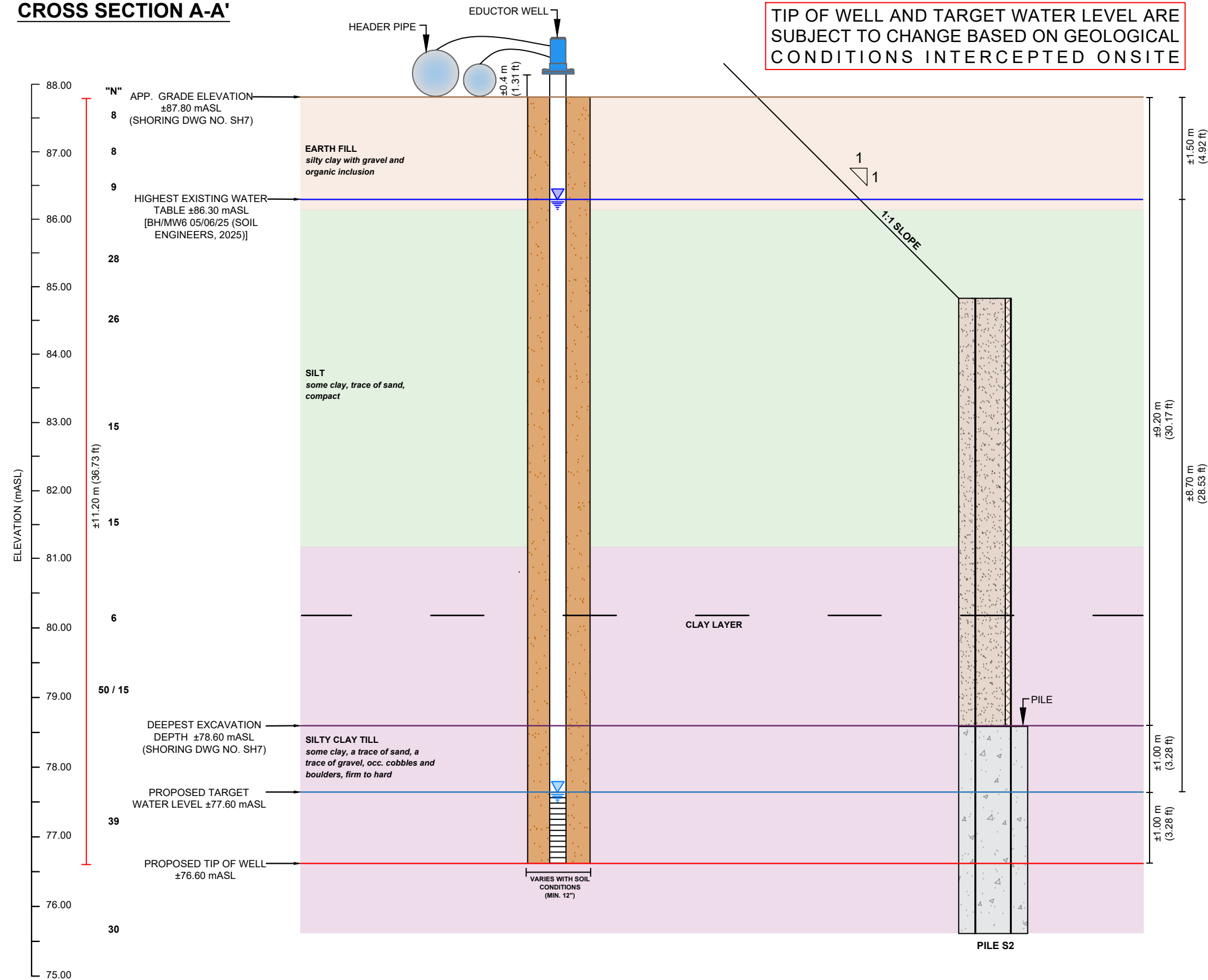


Ron Xia, Ph.D., P.Eng.
PEO # 100020786



25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

CROSS SECTION A-A'



LEGEND

- EXISTING GRADE ELEVATION
- EXISTING WATER LEVEL
- TARGET WATER LEVEL
- EXCAVATION DEPTH
- TIP OF WELL

NO.	ISSUE	DATE
1	DISCHARGE LOCATION REVISED TO SANITARY	11/10/2025
ATLAS DRAWING REVISION NOTES (PER CLIENT)		

CLIENT

SOLMAR DEVELOPMENT CORPORATION

PROJECT NO. AND NAME

25-554 | HOTEL DEVELOPMENT | 325 KING STREET, NIAGARA, ON

TITLE

CROSS SECTION A-A'



Ron Xia, Ph.D., P.Eng.
PEO # 100020786

***GEOLOGY FROM BH/MW5
(SOIL ENGINEERS LTD., 2025)**

NOT TO SCALE



FIGURE NO.: 6
DATE: 11/10/2025

PREPARED BY: KF
REVIEWED: RS