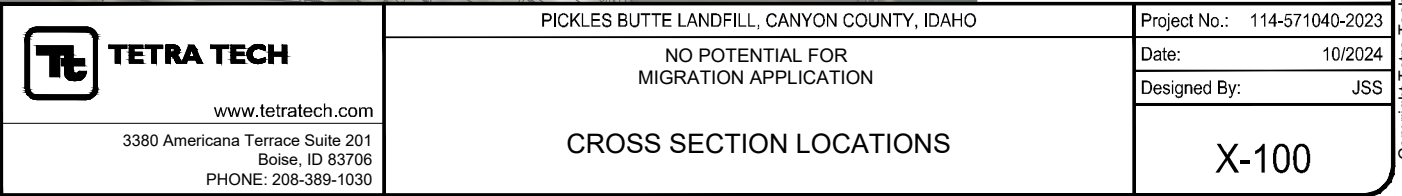
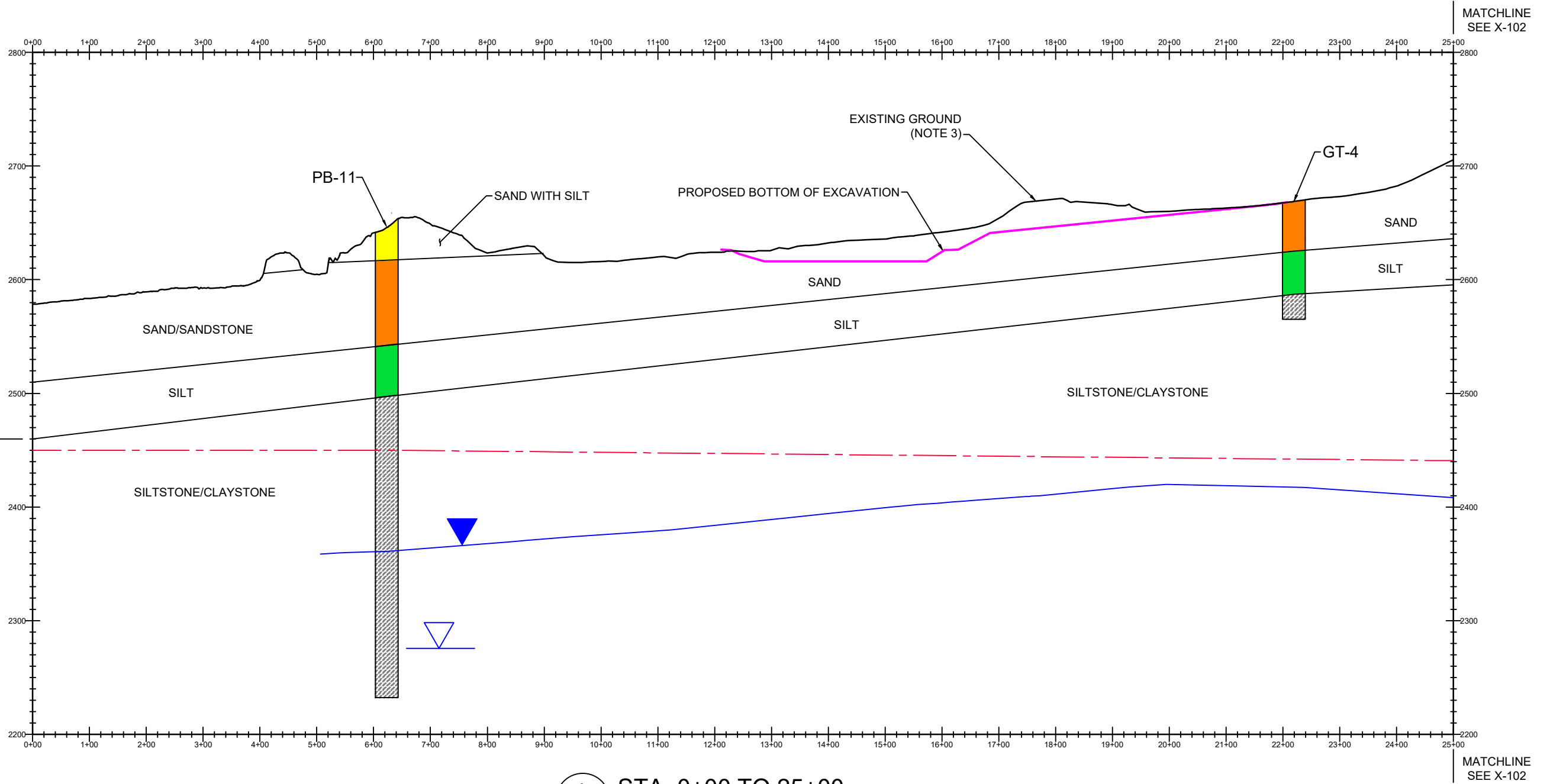


APPENDIX D: GEOLOGIC CROSS SECTIONS



10/1/2024 2:34 PM - P:\A-G\CANYON COUNTY IDAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\SHEETFILES\GEOTECH\GEOTECH CROSSSECTIONS.DWG

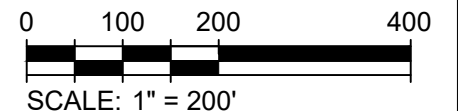


A
X-100
STA. 0+00 TO 25+00
SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

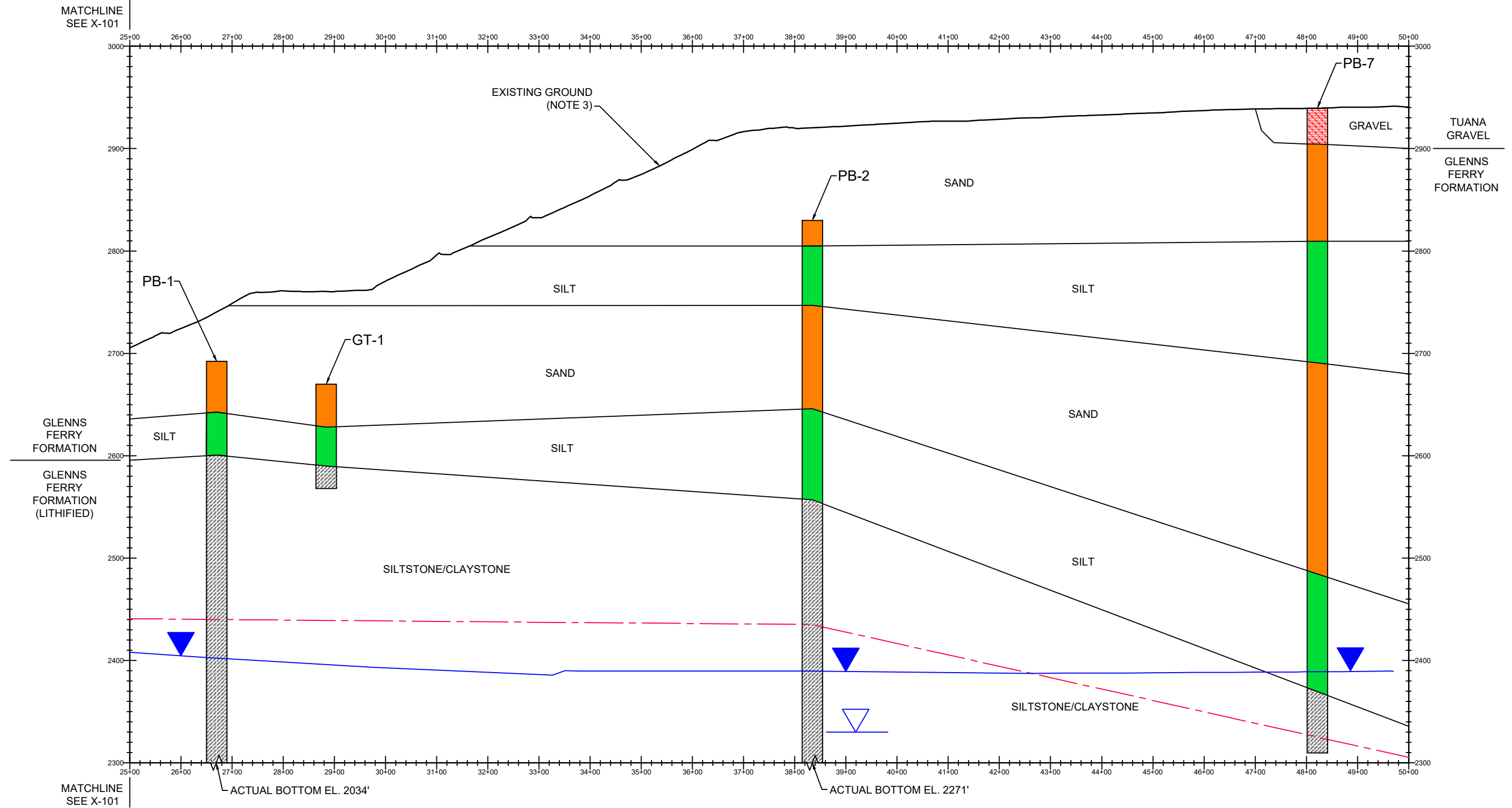
- NOTES:**
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.



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	NO POTENTIAL FOR MIGRATION APPLICATION	Date: 10/2024
	CROSS SECTION A STA. 0+00 TO 25+00	Designed By: JSS
		X-101

Bar Measures 1 inch

10/1/2024 2:34 PM - P:\A-G\CANYON COUNTY IDAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\SHEETFILES\GEOTECH\GEOTECH CROSSSECTIONS.DWG



LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

A STA. 25+00 TO 50+00
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

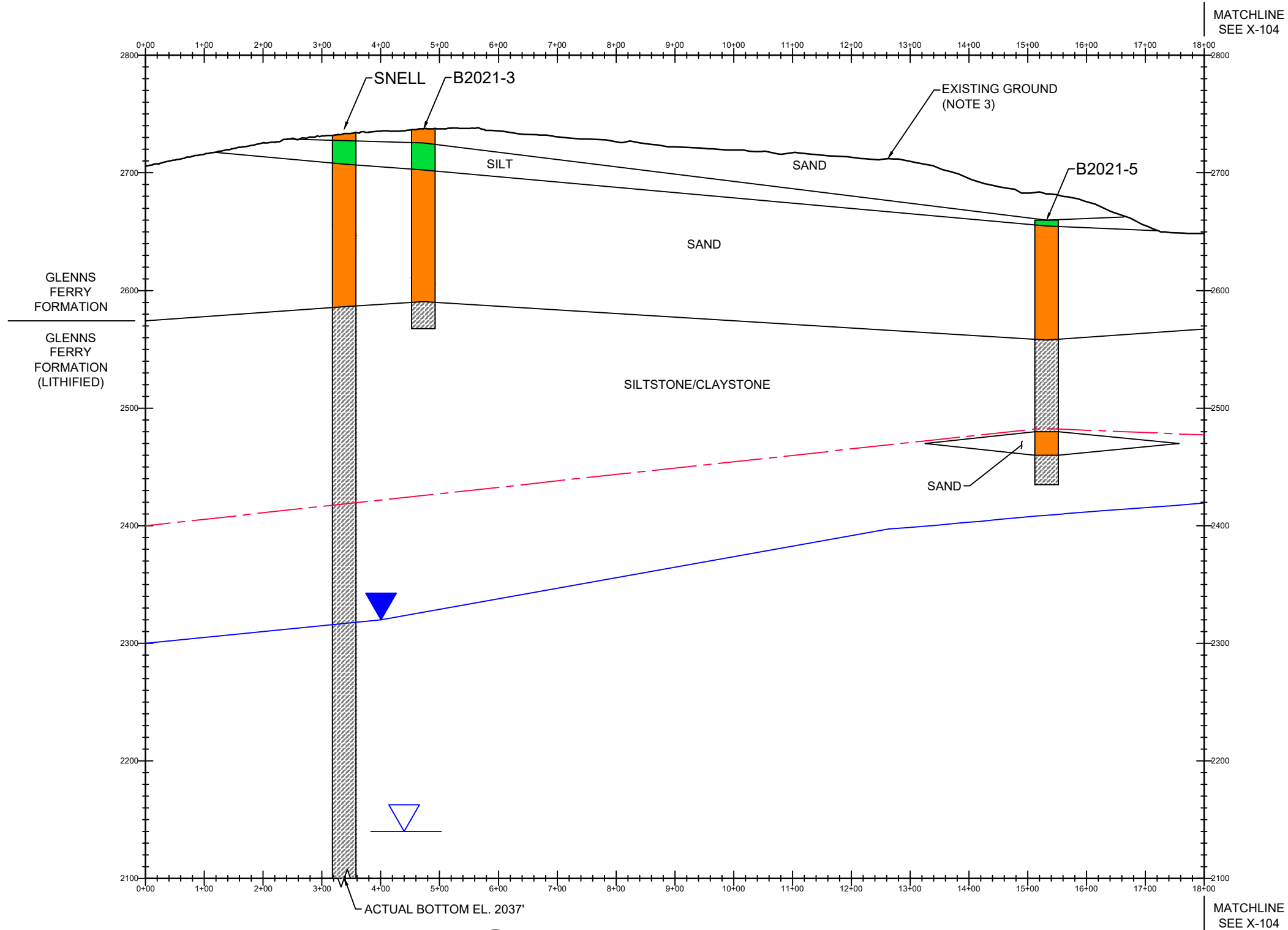
0 100 200 400
SCALE: 1" = 200'

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	NO POTENTIAL FOR MIGRATION APPLICATION	Date: 10/2024
	CROSS SECTION A STA. 25+00 TO 50+00	Designed By: JSS
		X-102

Bar Measures 1 inch

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B STA. 0+00 TO 18+00
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:**
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

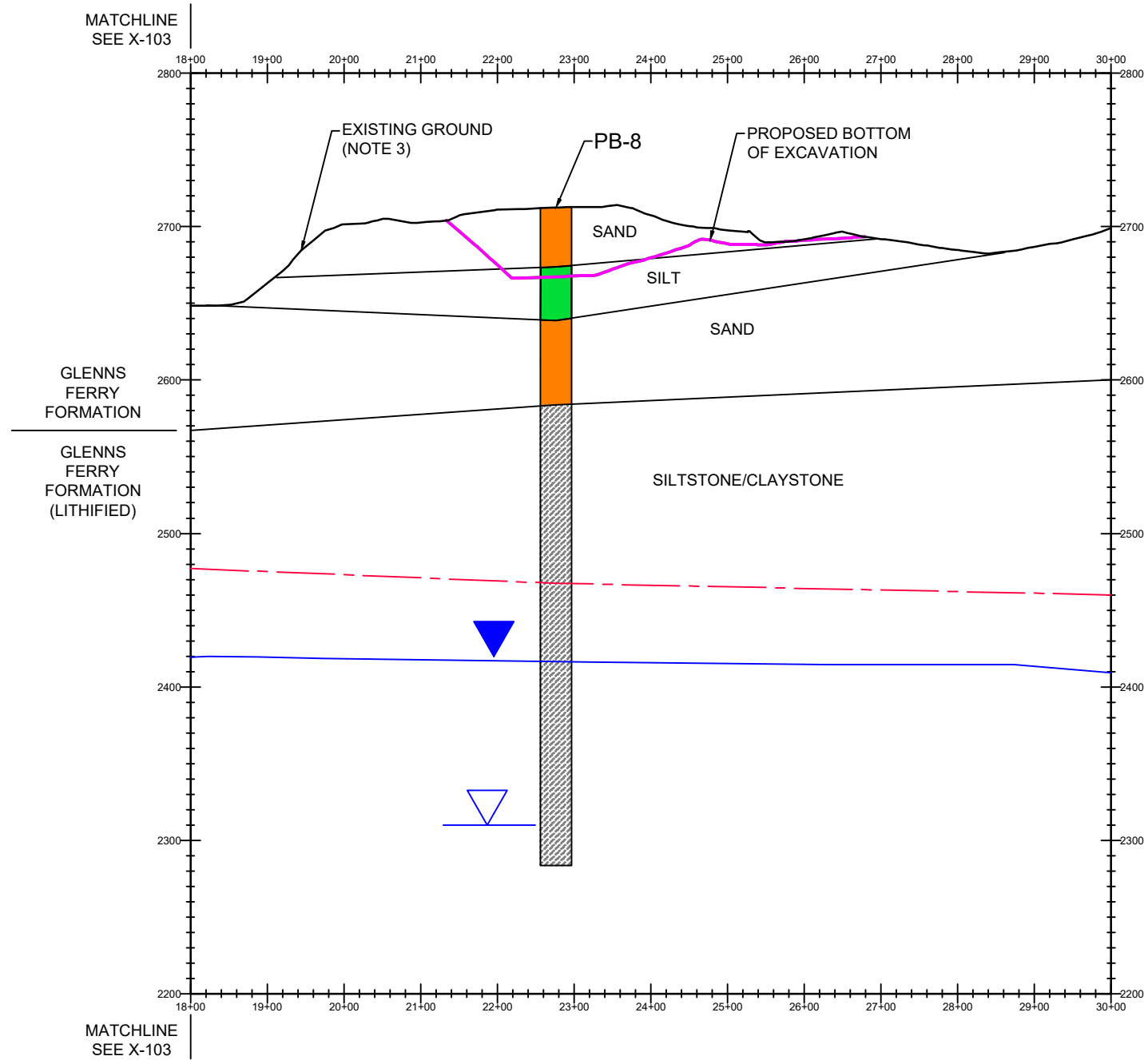


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	CROSS SECTION B STA. 0+00 TO 18+00		Designed By: JSS
			X-103

Bar Measures 1 inch

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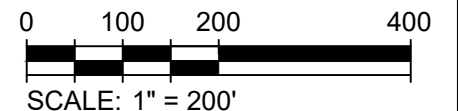


B STA. 18+00 TO 30+00
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

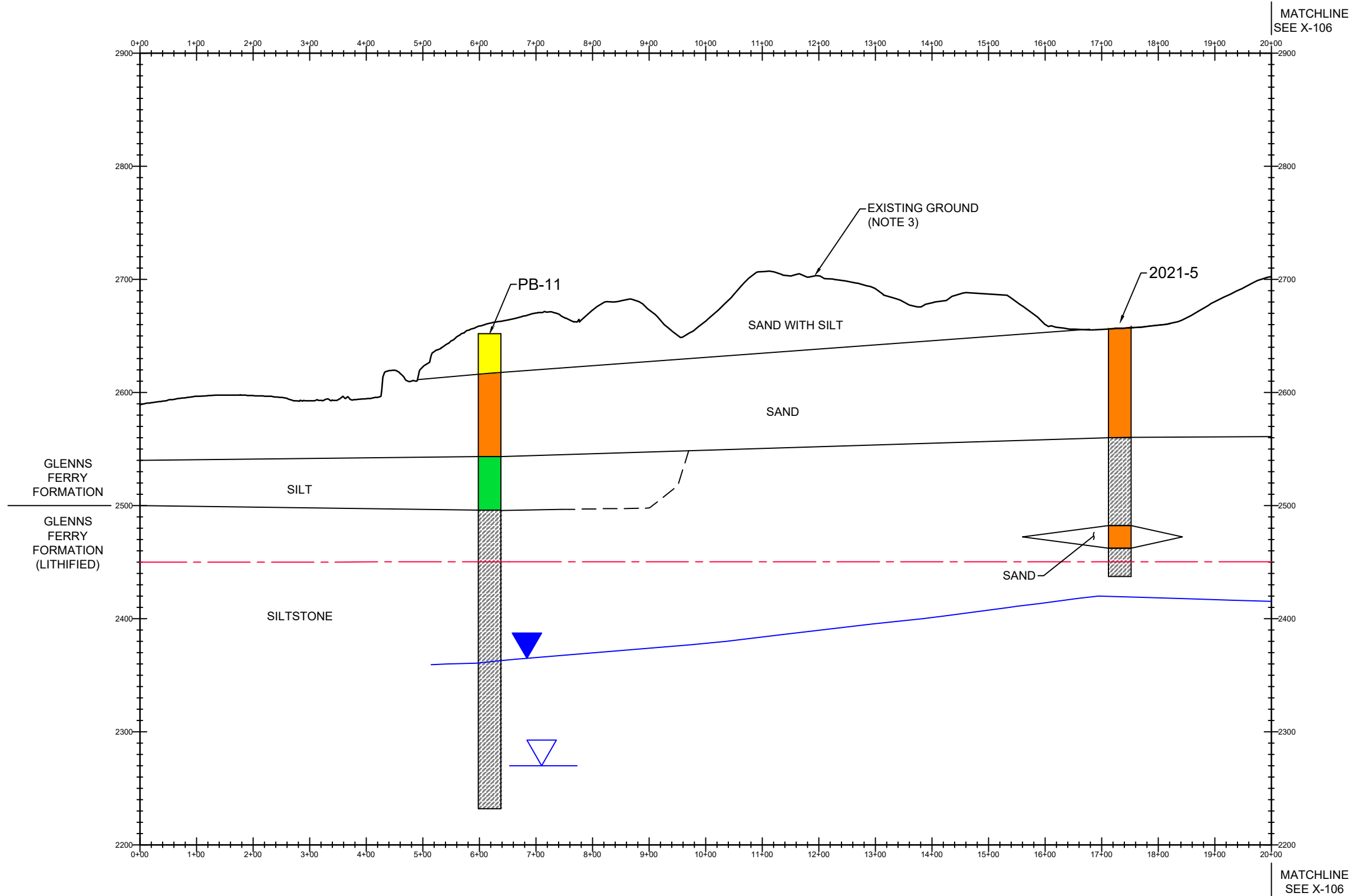
- NOTES:**
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.



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	CROSS SECTION B STA. 18+00 TO 30+00		Designed By: JSS
			X-104

Bar Measures 1 inch

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C STA. 0+00 TO 20+00
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:**
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.



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PICKLES BUTTE LANDFILL, CANYON COUNTY, IDAHO

NO POTENTIAL FOR
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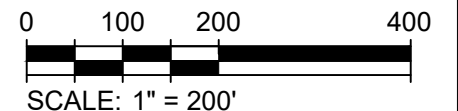
CROSS SECTION C
STA. 0+00 TO 20+00

Project No.: 114-571040-2023

Date: 10/2024

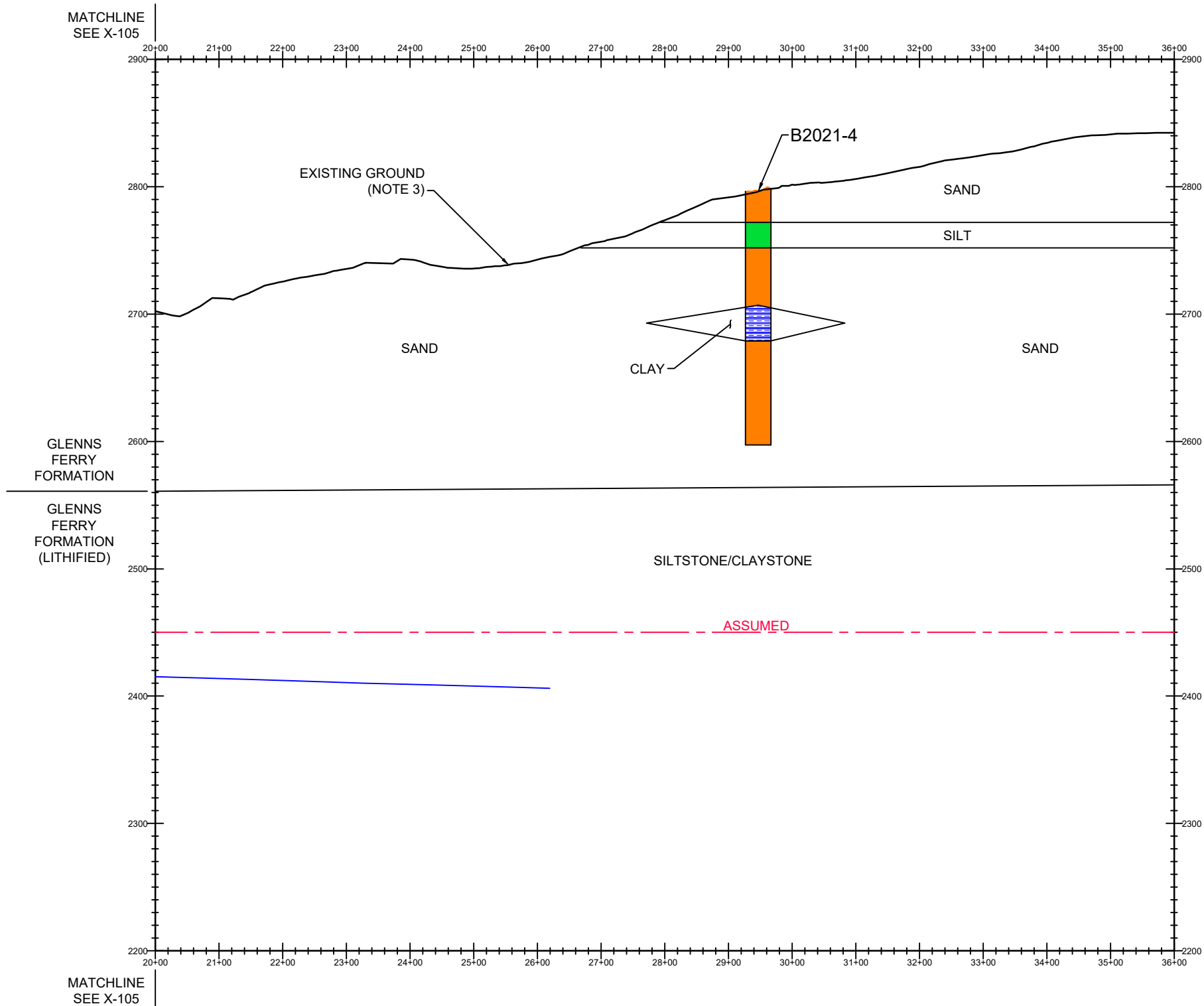
Designed By: JSS

X-105



Bar Measures 1 inch

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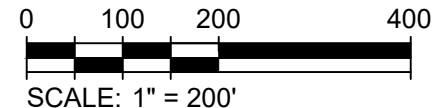


C STA. 20+00 TO 30+00
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

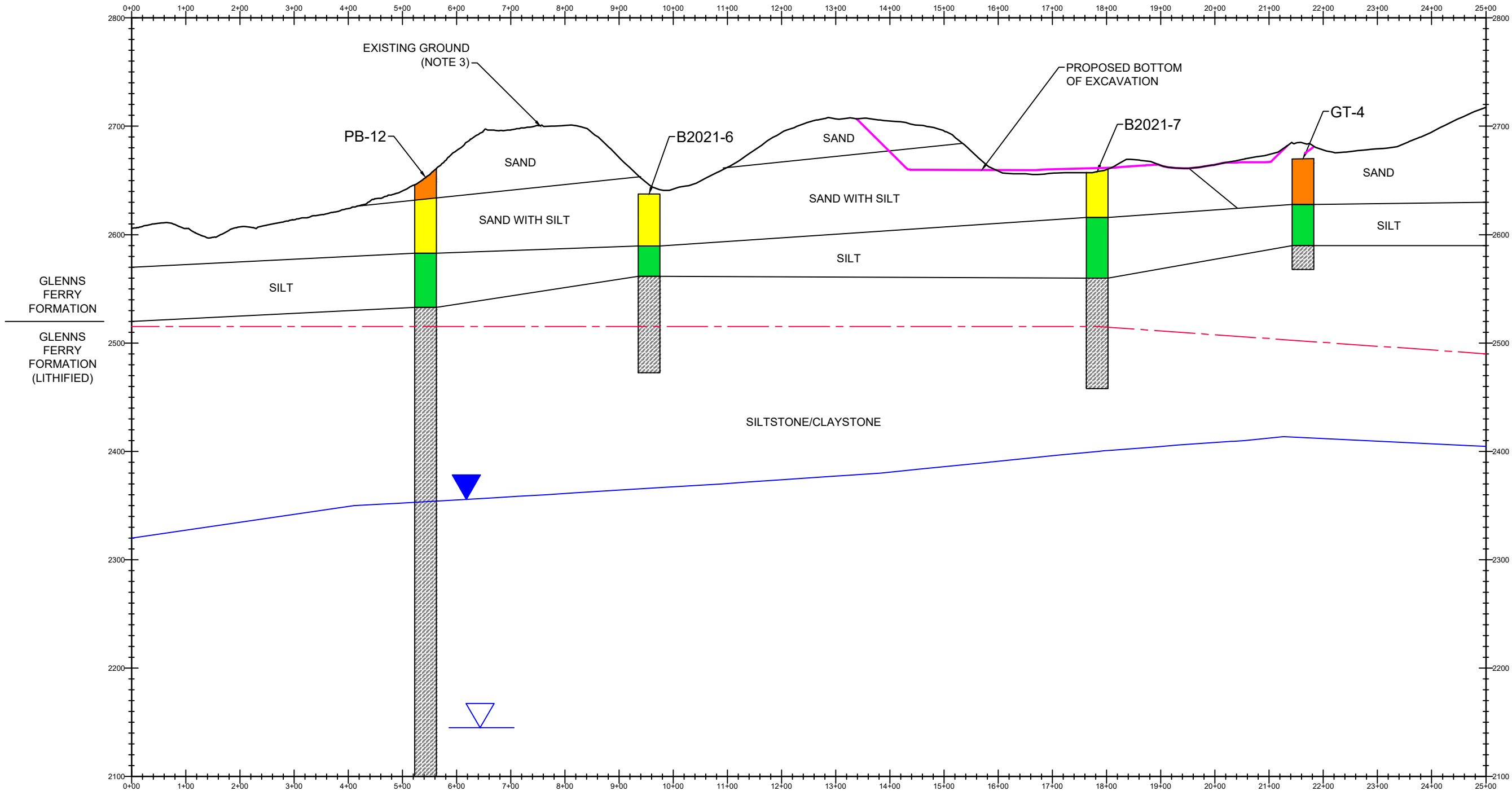
- NOTES:
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.



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	NO POTENTIAL FOR MIGRATION APPLICATION	Date: 10/2024
	CROSS SECTION C STA. 20+00 TO 30+00	Designed By: JSS
		X-106

Bar Measures 1 inch

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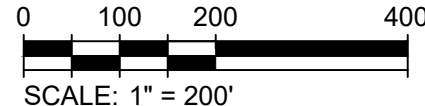


D SECTION D
X-100 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:**
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

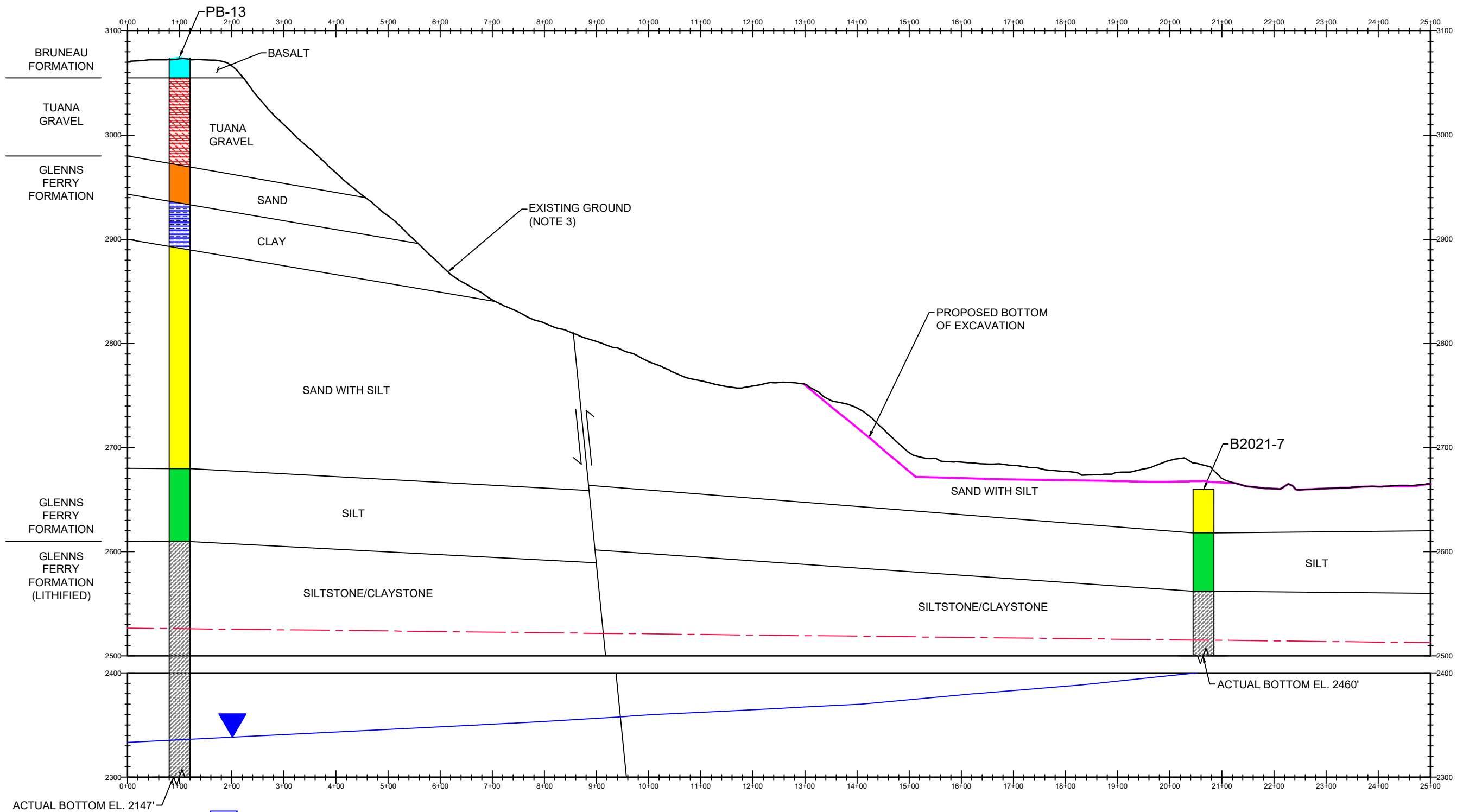


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	NO POTENTIAL FOR MIGRATION APPLICATION	Date: 10/2024
	CROSS SECTION D	Designed By: JSS
X-107		

Bar Measures 1 inch

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LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

E SECTION E

FIG 1 SCALE: HORIZ. 1" = 200' VERT. 1" = 100'



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PICKLES BUTTE LANDFILL, CANYON COUNTY, IDAHO

NO POTENTIAL FOR
MIGRATION APPLICATION

CROSS SECTION E

Project No.: 114-571040-2023

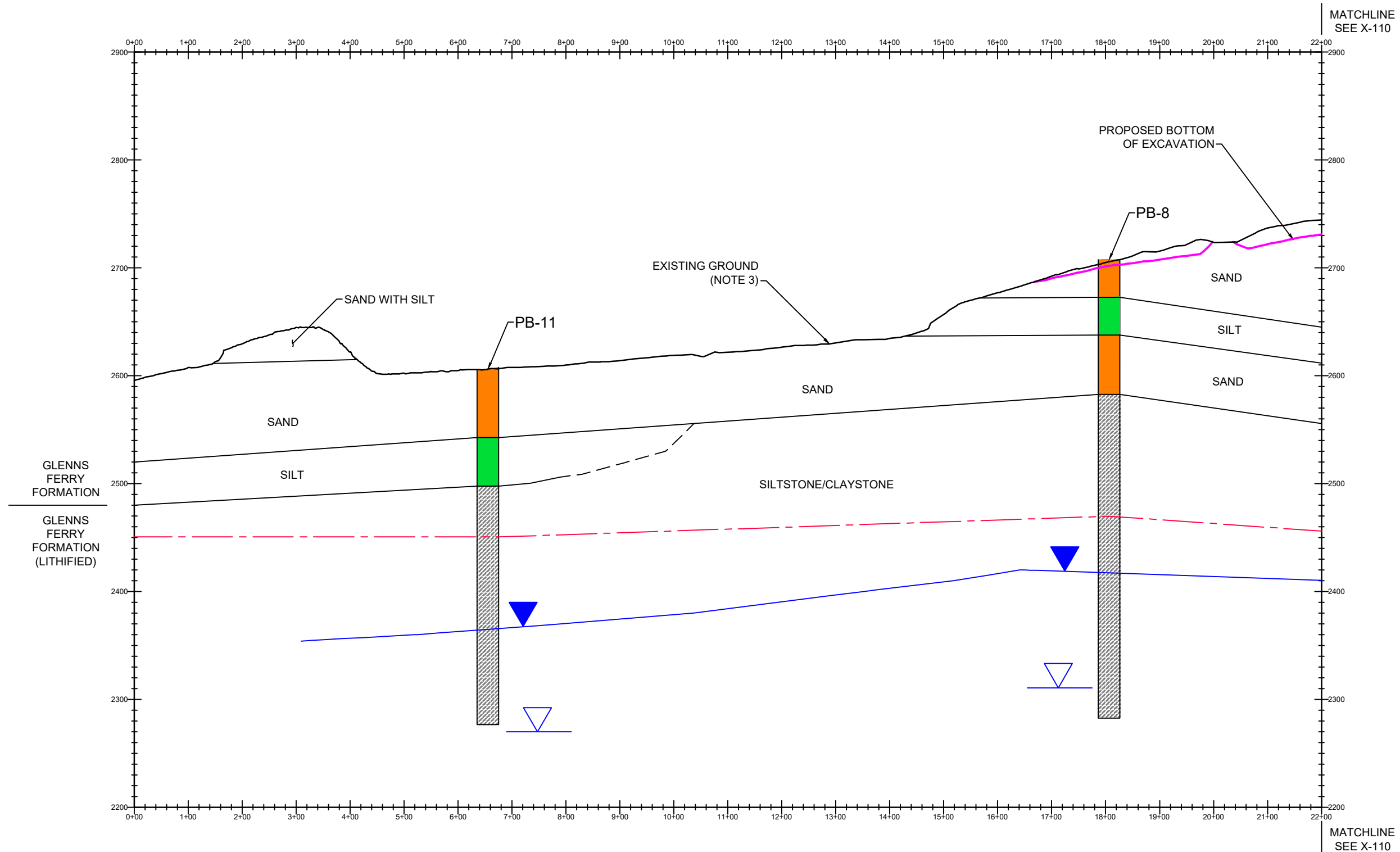
Date: 10/2024

Designed By: JSS

X-108

Bar Measures 1 inch

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LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

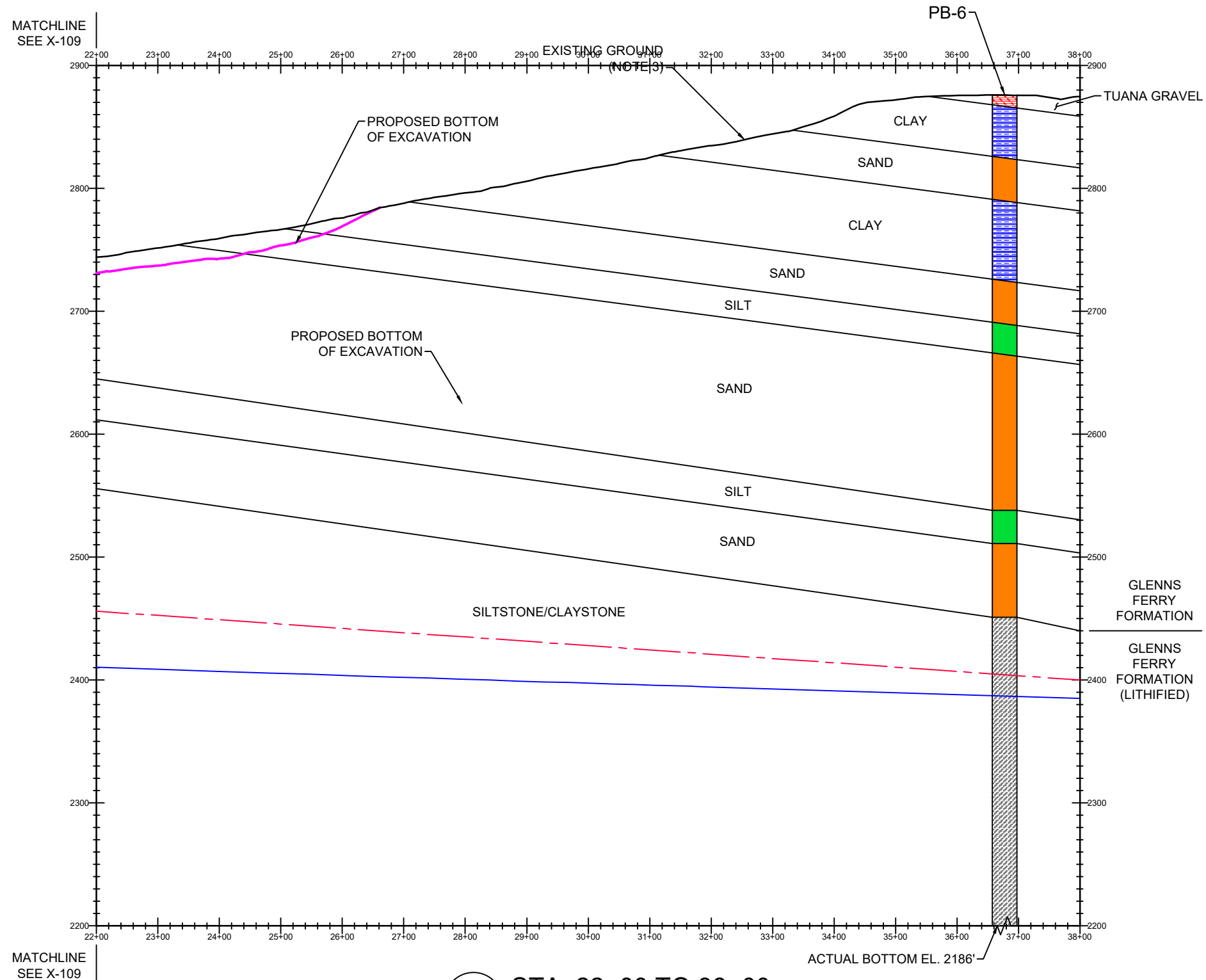
F
X-100
STA. 0+00 TO 22+00
SCALE: HORIZ. 1" = 200' VERT. 1" = 100'

0 100 200 400
SCALE: 1" = 200'

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	NO POTENTIAL FOR MIGRATION APPLICATION	Date: 10/2024
	CROSS SECTION F STA. 0+00 TO 22+00	Designed By: JSS
		X-109

Bar Measures 1 inch

10/1/2024 2:32 PM - P:\A-G\CANYON COUNTY IDAHO\114-571040-2023 - PICKLES BUTTE 2023 LANDFILL\07-CAD\SHEETFILES\GEOTECH\GEOTECH CROSSSECTIONS.DWG



LEGEND

	POORLY GRADED SAND - SP		CLAY - CL		POTENTIOMETRIC SURFACE
	SAND WITH SILT - SM		SILTSTONE/CLAYSTONE		APPROXIMATE TOP OF WATER BEARING ZONE
	POORLY GRADED GRAVEL - GP		BASALT		REDOX BOUNDARY
	SILT - ML		ASSUMED LOCATION		PROPOSED BOTTOM OF LANDFILL

- NOTES:
1. THIN LAYERS AND INTERBEDS MAY NOT BE SHOWN. THIN LAYERS MAY BE COMBINED WITH THE DOMINANT UNITS FOR THE PURPOSE OF CLARITY. THE INDIVIDUAL WELL AND BORING LOGS SHOULD BE REFERENCED FOR COMPLETE LITHOLOGIC DETAILS.
 2. SEE X-100 FOR CROSS-SECTION LOCATIONS.
 3. EXISTING GROUND IS BASED ON 2023 AERIAL SURVEY.

F
X-100
STA. 22+00 TO 38+00
SCALE: HORIZ. 1" = 200' VERT. 1" = 100'



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	NO POTENTIAL FOR MIGRATION APPLICATION		Date: 10/2024
	CROSS SECTION F STA. 22+00 TO 38+00		Designed By: JSS
			X-110

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