



AGGREGATE CONSULTING LLC

REAL WORLD EXPERIENCE

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Reserve Quantity Estimate

(Construction Sand & Gravel)

Prepared for:



Prepared by:

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1.0 Conclusions

Using 36 open test holes, pit walls opened and visible for inspection, and 10 Core Logs from [REDACTED] Drilling Co., a determination was made as to how much if any of the formation at these holes was economically mineable. Elevations for the top and bottom of the mineable formation were used in plotting a digital model of the total mineable formation. Topcon 3D Office software was used to calculate the volume of the total economically mineable formation of the deposit. The volume in cubic yards was converted to tons and listed below.

Estimate of Deposit Quantity

9,964,985 Tons

2.0 Introduction

The purpose of this report is to provide my client, [REDACTED], with a highly accurate estimate of the economically mineable quantity of the mineral deposit located 4 miles Southeast of [REDACTED]

3.0 Scope and General Limitations

3.1 Scope

This report has been prepared by the author to represent all available information. To perform a volumetric analysis of the deposit. To perform calculations to estimate the quantity of mineable construction aggregate materials, in tons, using the most accurate means available to the industry.

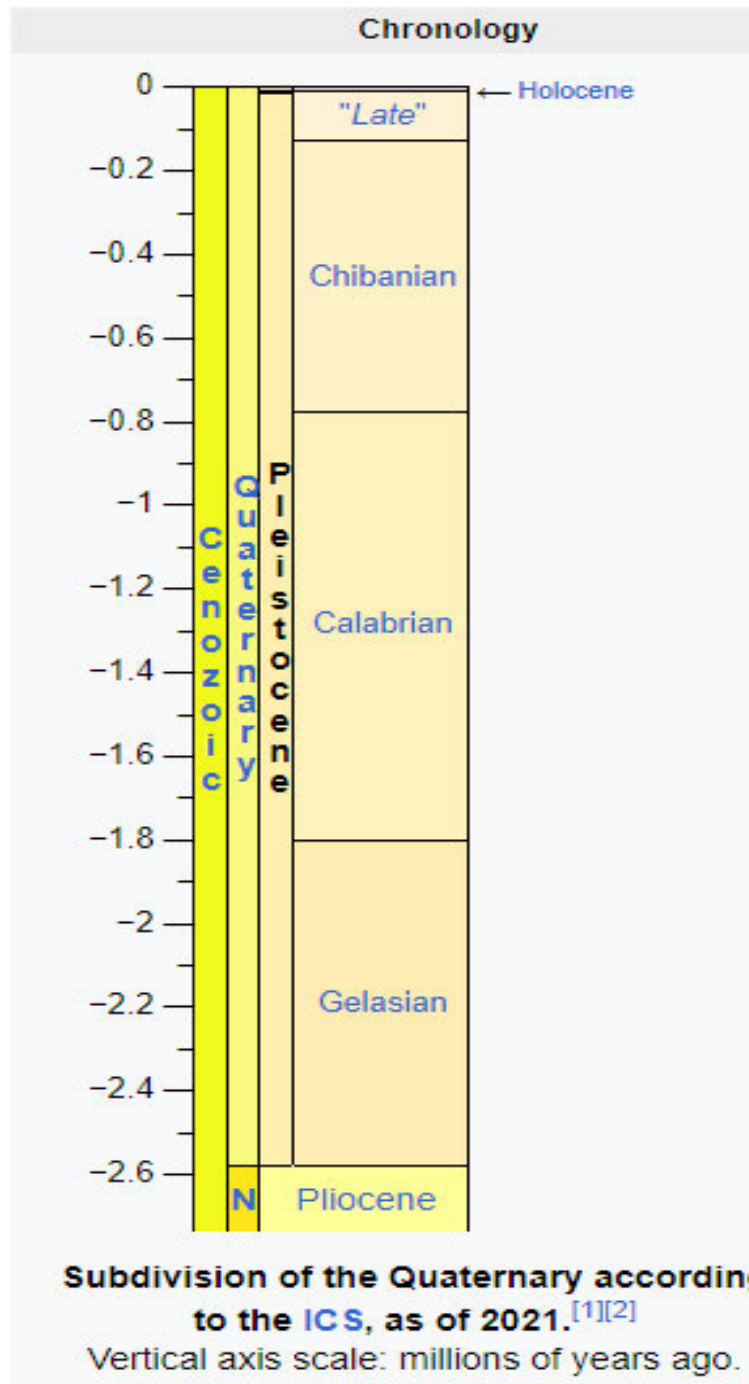
3.2 General Limitations

No opinion is given of quality of title, encumbrances, suits, liens, or any other legal matter, and no responsibility is assumed by Aggregate Consulting, nor the Author. All data provided to the author for this report has been reviewed within the scope and limitations and no other responsibility is assumed for accuracy. The opinions included herein are unbiased, supportable, and justified. In no way does the fee received by Aggregate Consulting for this report have any influence on the calculations or findings in this report. No conflict of interest exists for the author or Aggregate Consulting with this property or project participants.

4.0 General Geology

4.1 Surface Geology Composition

The property consists of Quaternary deposits of the Holocene/Pleistocene (Qau), Clear Fork Group Permian shales of the Leonard (Pcf), Fluvial Terrace Deposits of the Pleistocene (Qt) and Alluvium from floodplain deposits of the Holocene (Qal). The mineable deposit lies in the Terrace (Best) and Alluvium (Finer/No mineable material possibly) Deposits. See 4.4 Geologic Map.



4.2 Drilling and Test Holes

Core logs prepared by [REDACTED] Drilling Co. and open test holes were examined as well as the visible wall and pit floor by John Pitts Jr/Aggregate Consulting.

4.3 Exposed Walls

There are a number of walls exposed for field examination at the site from previous and current mining. These exposed areas of the formation were examined for quality and composition to support observations of walls of the test holes that were not able to be examined with similar proximity due to safety considerations.

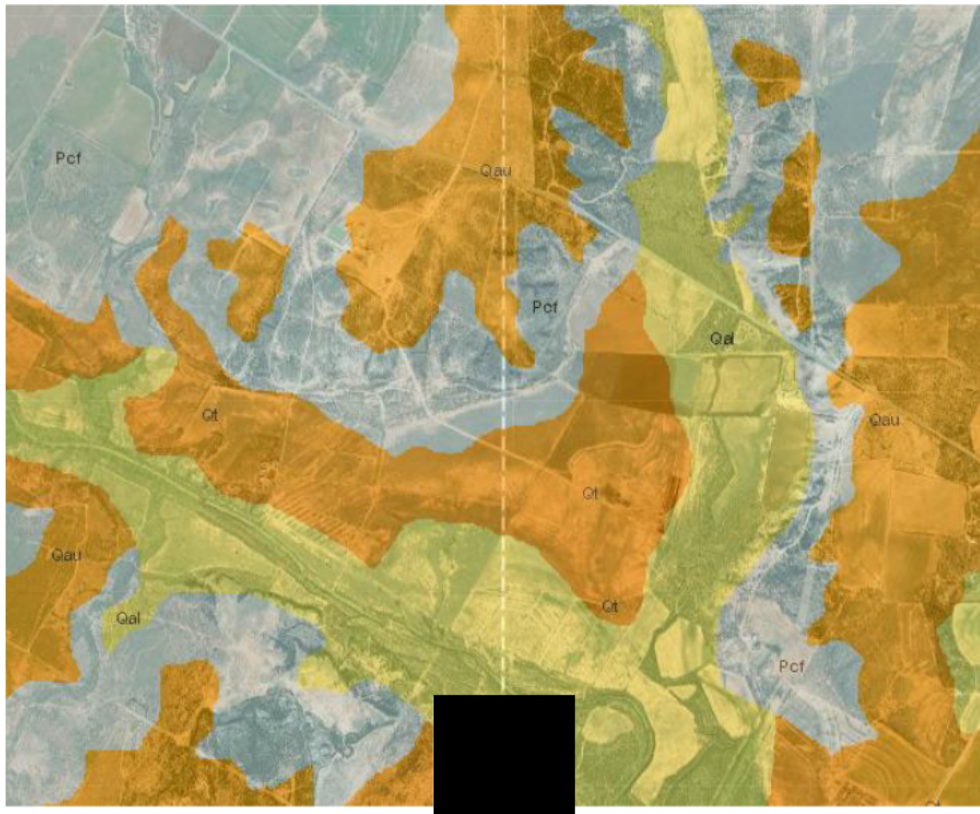
Old Pit on the SW Corner of Property-Test Hole (SWPIT)



Active Pit-Test Holes (ACT Pit North and ACT Pit South)



4.4 Geologic Map



5.0 Quantity, Quality, Methodology, Calculation, and Limitations of Estimate

5.1 Quantity Estimates

According to industry standards, typical unit weights (pounds per square foot) of Bank/Insitu Sand and Gravel range from 117 to 135. For this deposit 130lbs/ft³ (3,510lbs/Yd³) was used due to the compacted nature observed and size distribution.

The volume in cubic yards was calculated by Topcon 3D Office software with highly accurate survey points in X, Y, Z coordinates (3 Dimensions) during site visits (see 5.3 Methodology). Topcon 3D Office processes this data to create a digital surface model (DSM) or a digital terrain model (DTM) of the area. A DSM represents the surface of the terrain or formation. Surfaces are compared by creating cells built from point to point distances, cells are divided into four to create vertices. Additionally the volume of only the split cells which share a vertex included within the calculation range out of the four vertices of the original cell is calculated. Using this method in a varied and irregular pay thickness deposit allows for the greatest accuracy possible. Every point collected is used in the calculation versus the method of averaging pay depth and multiplying by surface area that was employed before the advent of advanced software and GPS surveying equipment.

For this report, no waste or loss factor was applied in calculating the reserve quantity estimate.

The reported quantity was derived by multiplying the weight per cubic yard of the bank/insitu material by the volume in cubic yards to arrive at a tonnage figure. (See 5.4 Calculation)

5.2 Quality of the Deposit

As is typical of terrace deposits, ancient evulsion and erosion play a large role in the composition of the current formation. Portions of the older fluvial terrace deposits of the Pleistocene were removed over millions of years and replaced by newer alluvium from floodplain deposits of the Holocene. The newer alluvium on this site appears to be silt, clay, and finer silty sand with little coarse sand or gravel. The evulsion and erosion that occurred accounts for the inconsistent bed elevation and thickness of the existing Pleistocene (Coarser) deposit formation.

The geologic composition of the materials is mostly siliceous (Sand and quartz gravel), with some limestone present in small amounts within. No quality tests were conducted for this report, but I am told that the material currently being extracted from this site is being used with good results as fine and coarse aggregate for concrete.

Clay layers were observed in a large majority of the test holes, active pit and surge pile. During my visit I spent time watching the process plant wash the material. It was apparent that the production rate was definitely hindered due to the clay content. However, a good quality product was able to be produced.

The Overburden to Pay ratio is not optimal at a majority of test hole locations, but workable. This increases extraction costs comparable to other operations. Portions of the top layer of the pay formation, at a majority of the test hole locations, are too dirty or have too much clay to be economically mineable and were considered Overburden for reserve calculations.

5.3 Methodology

The property boundaries were obtained from a google earth map provided. Using Topcon Hyper V GPS Base and Rover System, a project with local coordinates was created. control points were set, measured, and added to the project file. The mineable estimated reserve boundary was measured and entered. Test hole locations were measured and entered. Each test hole was measured for formation composition and formation depth from surface using a Trupulse 360 Laser and the GPS Base/Rover Hyper V system. The holes were field logged for depth and composition based on visual inspection in walls of test hole and material that had been extracted from the hole during prior excavation. Layers were created in the project file for surface, bottom of overburden, and bottom of pay. Elevations were shot into the project file for the surface and entered manually for bottom of overburden, and bottom of pay obtained from Field logs. This data was loaded into Topcon 3D Office software and surfaces were created to compare for volumetric calculations. Because most Test Hole/Bore locations were not present at the exact outer boundary of the reserve formation, the software extended the surfaces to the boundary in order to account for this and allow for a more representative volume calculation. Since the software is primarily used in earth moving operations, its volumetric calculation (for cubic yards) is presented in cut/fill format. This format has no bearing on the accuracy of the final calculated volume. Using bulk densities of similar materials a unit weight was determined, the bank/insitu volume calculated in cubic yards was converted to tons using this unit weight figure and presented in the conclusion section of this report.

5.4 Calculation


$$130\text{lbs/ft}^3 \times 27\text{ft}^3 = 3,510 \text{ Pounds per Cubic Yard}$$

$$3,510\text{lbs/yd}^3 / 2000 \text{ Pounds} = 1.755 \text{ Tons per Cubic Yard}$$

$$1.755 \text{ Tons per yd}^3 \times \text{Reserve Volume in yd}^3 = \text{Reserve Quantity Estimate in Tons.}$$

5.5 Limitations of Estimate

The full extents of the mineable deposit were not apparent due to lack of core/test holes in various locations. The extents were estimated by using surface geology maps, visual observations, proximity to property lines and non-pay formations. Due to the nature of terrace deposits, the irregularity, and inconsistency they present, no exact calculation is possible with test hole/bore holes alone. Every effort has been made to examine, evaluate, and include all the data available and make the best qualified estimate of the quantity of reserve for this report.

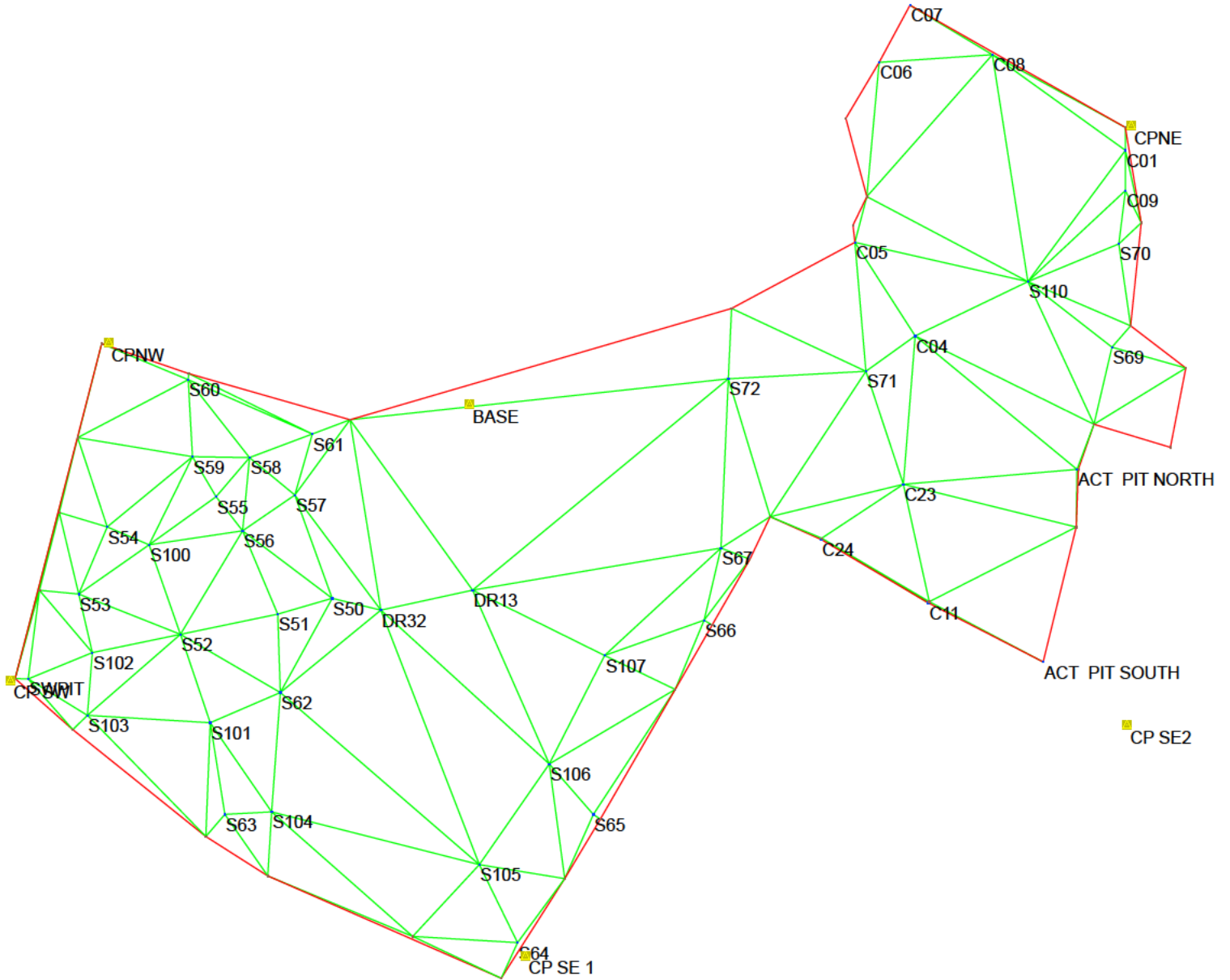


Appendix A Calculations

1005'



Triangle Measurement Drawing



Topcon 3D Office created surfaces based on these point to point lines, their measurements, and elevations of the respective points. The 2 surfaces representing the top and bottom of pay, were compared by the software and a digital model of the pay formation was rendered. This model was calculated for volume and the results reported.

Comment :

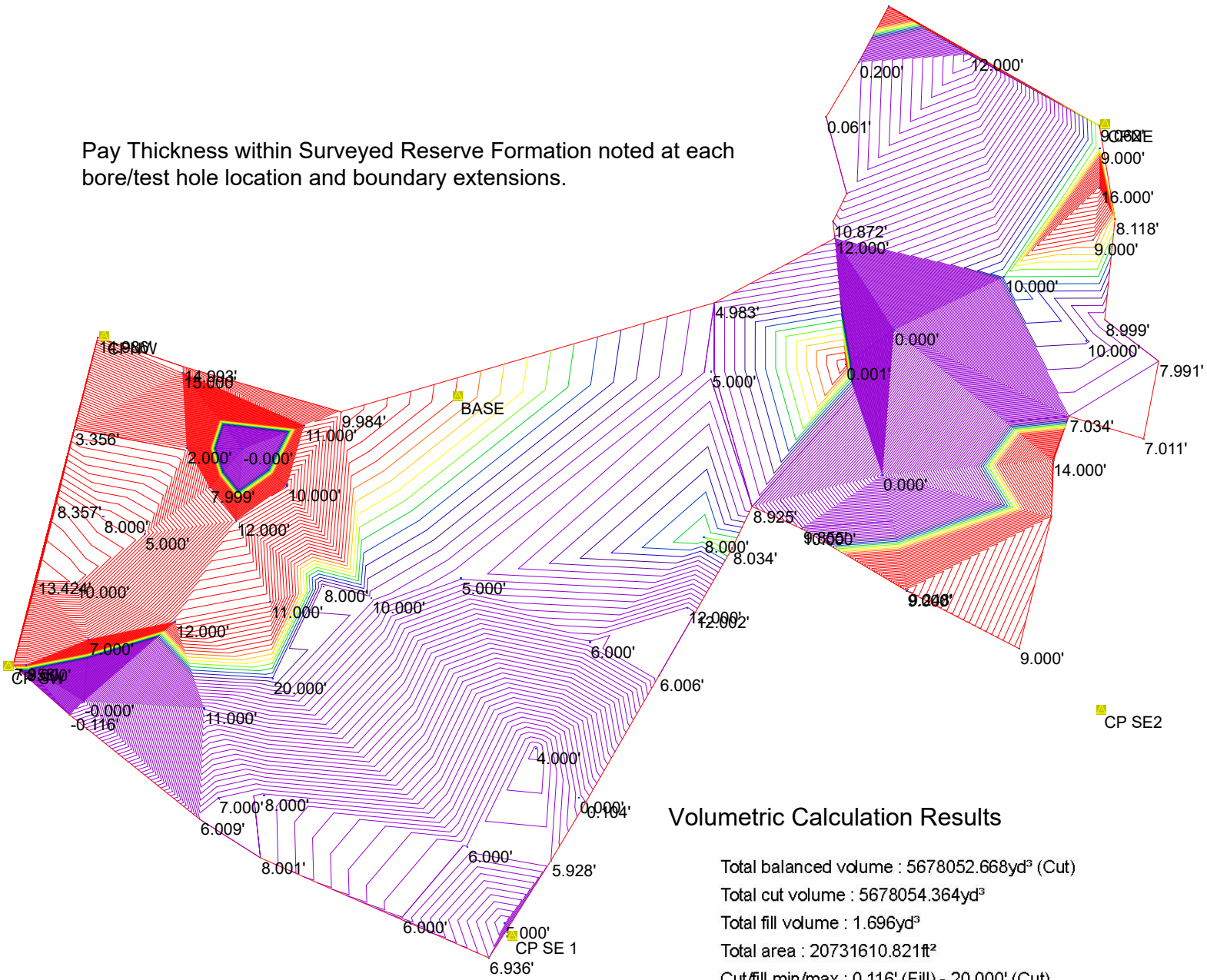


975'



Volumetric Model and Tonnage Estimate

Pay Thickness within Surveyed Reserve Formation noted at each bore/test hole location and boundary extensions.



Volumetric Calculation Results

Total balanced volume : 5678052.668yd³ (Cut)
 Total cut volume : 5678054.364yd³
 Total fill volume : 1.696yd³
 Total area : 20731610.821ft²
 Cut/fill min/max : 0.116' (Fill) - 20.000' (Cut)
 Effective cut-fill ratio : 3348377.40

Total Tonnage Calculation

5,678,054.364 Cubic Yards X 1.755 tons per yd³ = 9,964,985 Tons

Comment :




Appendix B

Qualifications of Consultant

John M Pitts Jr.

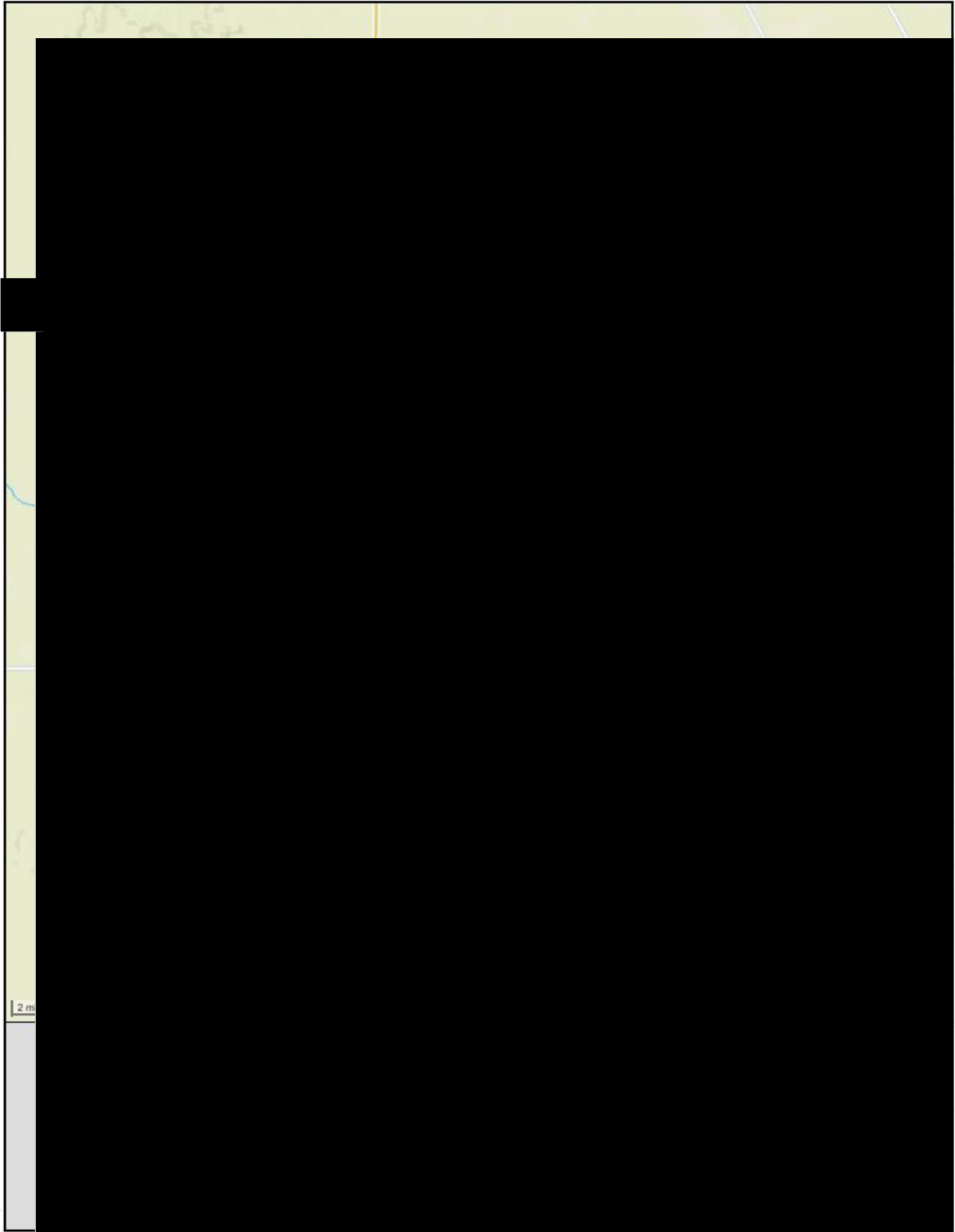
BBA Finance-Texas Tech University

- 4th Generation Aggregate Business Owner/Operator
- 36 years of experience owning, designing, building, and operating sand/gravel/crushed stone plants. Dry pit, dredge fed, booster pump, stripping and limestone crushing operations.
- Designed and built 6 stationary aggregate plants from 600 tph to 200 tph, including 2 greenfield sites.
- Owned/Operated 5 portable plants at 8 sites.
- Constructed/Reconstructed 3 dredges (Cutterhead, Chain Ladder, and Auger) Diesel and Electric and 2 Automated Boosters, Diesel and Electric.
- Directed and participated in all facets of the company including financial, accounting, purchasing, compliance, financing, planning, HR, sales, AR, AP, plant/machine maintenance, electrical installation, electrical repairs, IT setup/operation, engineering, legal, public relations, disaster recovery, locating greenfield/future mine sites, exploring/valuating potential deposits, strategic planning, core drilling, quality control, etc.
- Served as President and Vice President of Wichita Falls Chapter of CSI (Construction Specification Institute)
- Graduate of Texas A&M Dredging Engineering Short Course
- Extensive core drilling and exploration of existing mines and prospects, for my company and others. (over 30 to date).
- 10 years consulting experience.

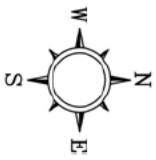
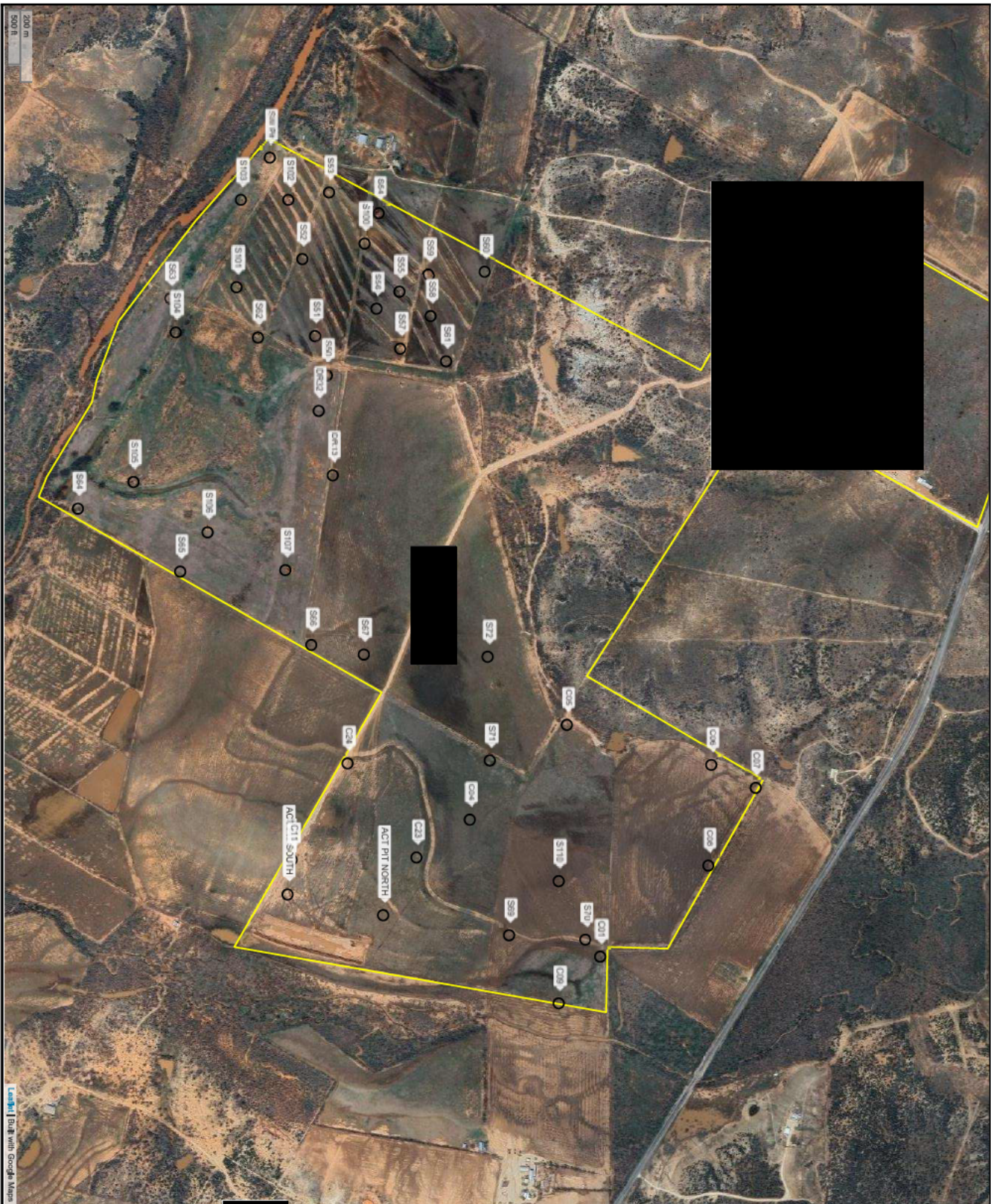


Appendix C

Supporting Maps and Documents



2 m

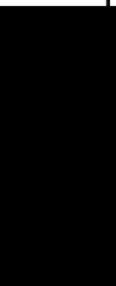


Legend

- Site Location

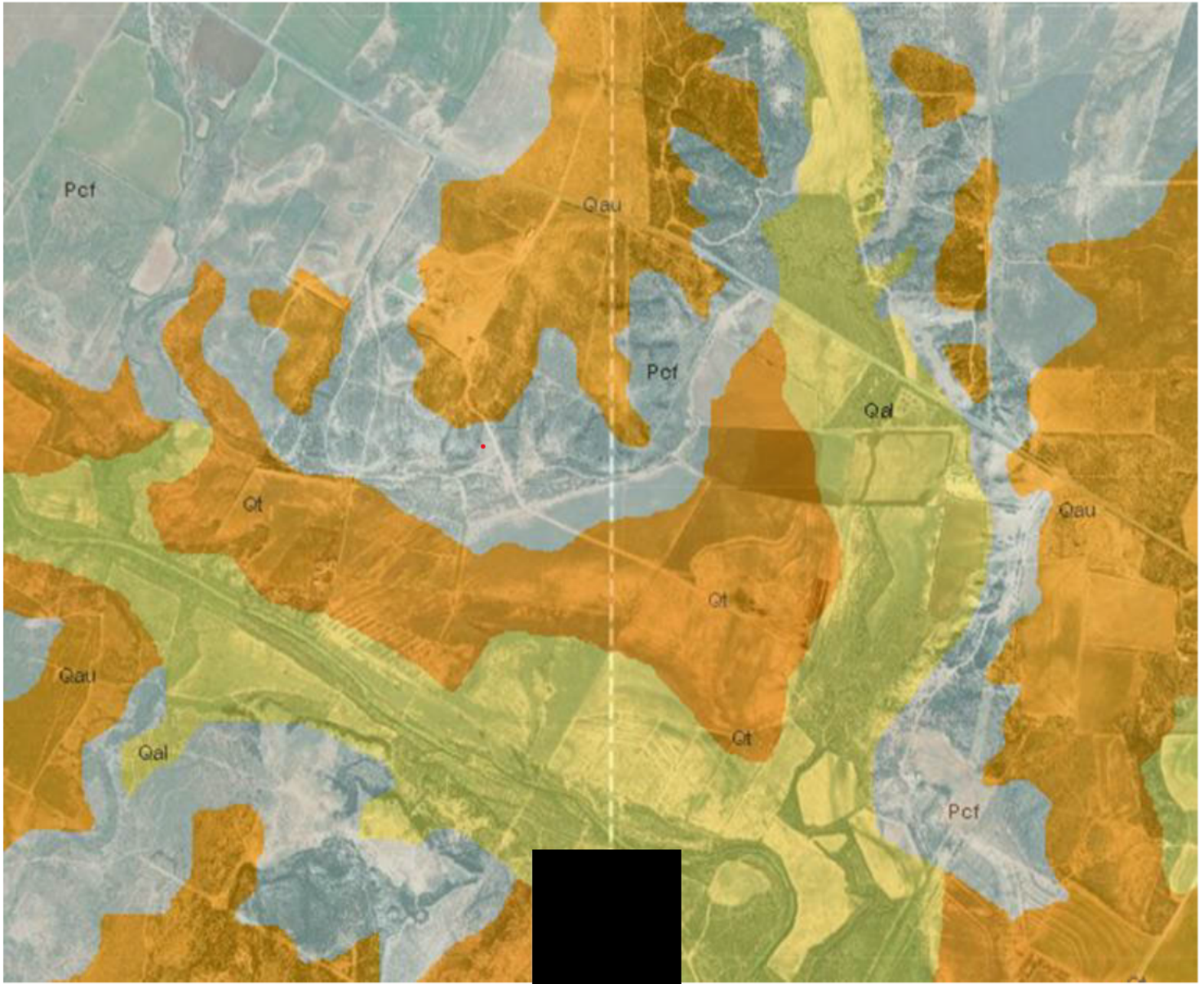


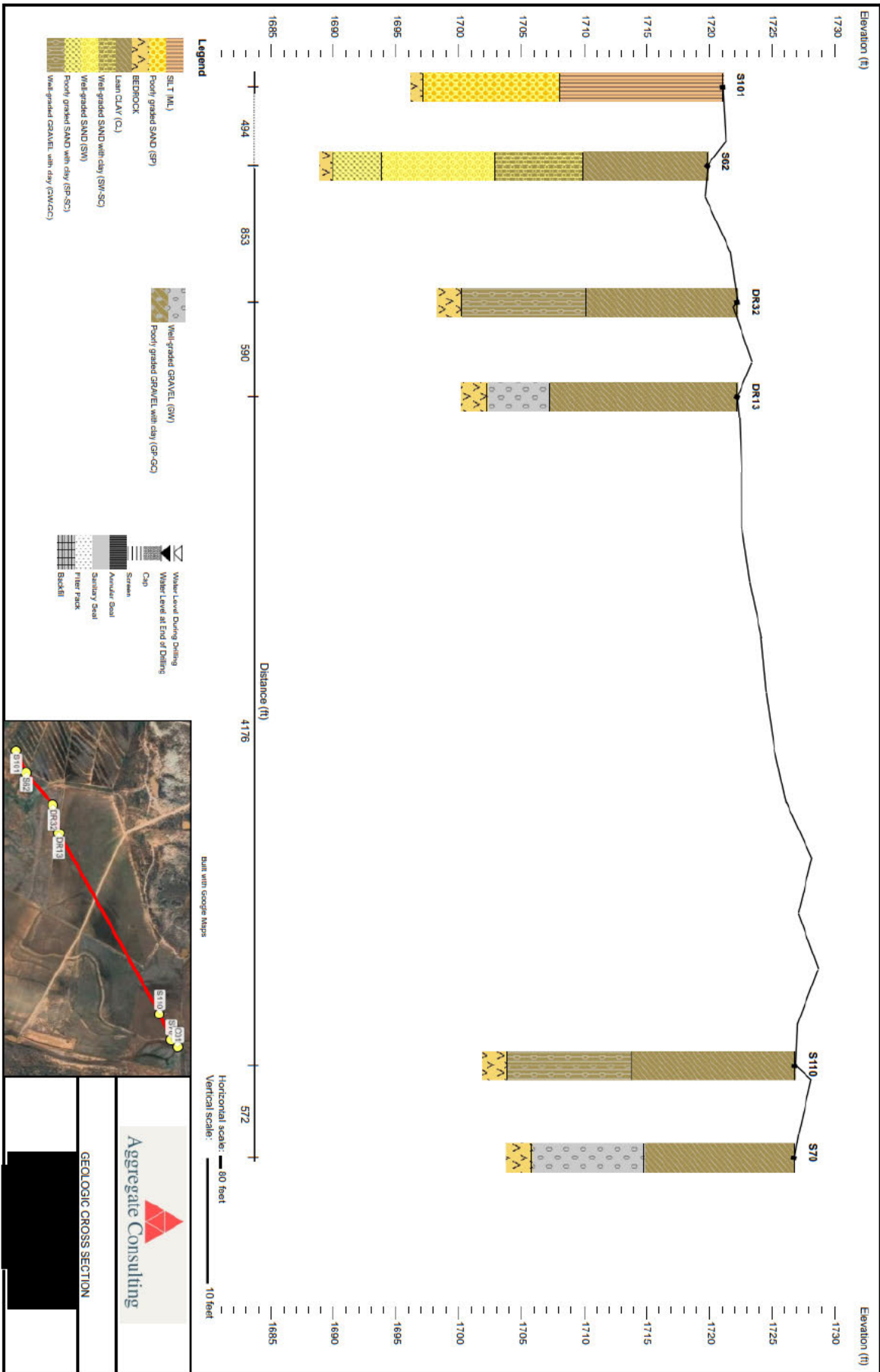
**FIGURE 2
SITE MAP**

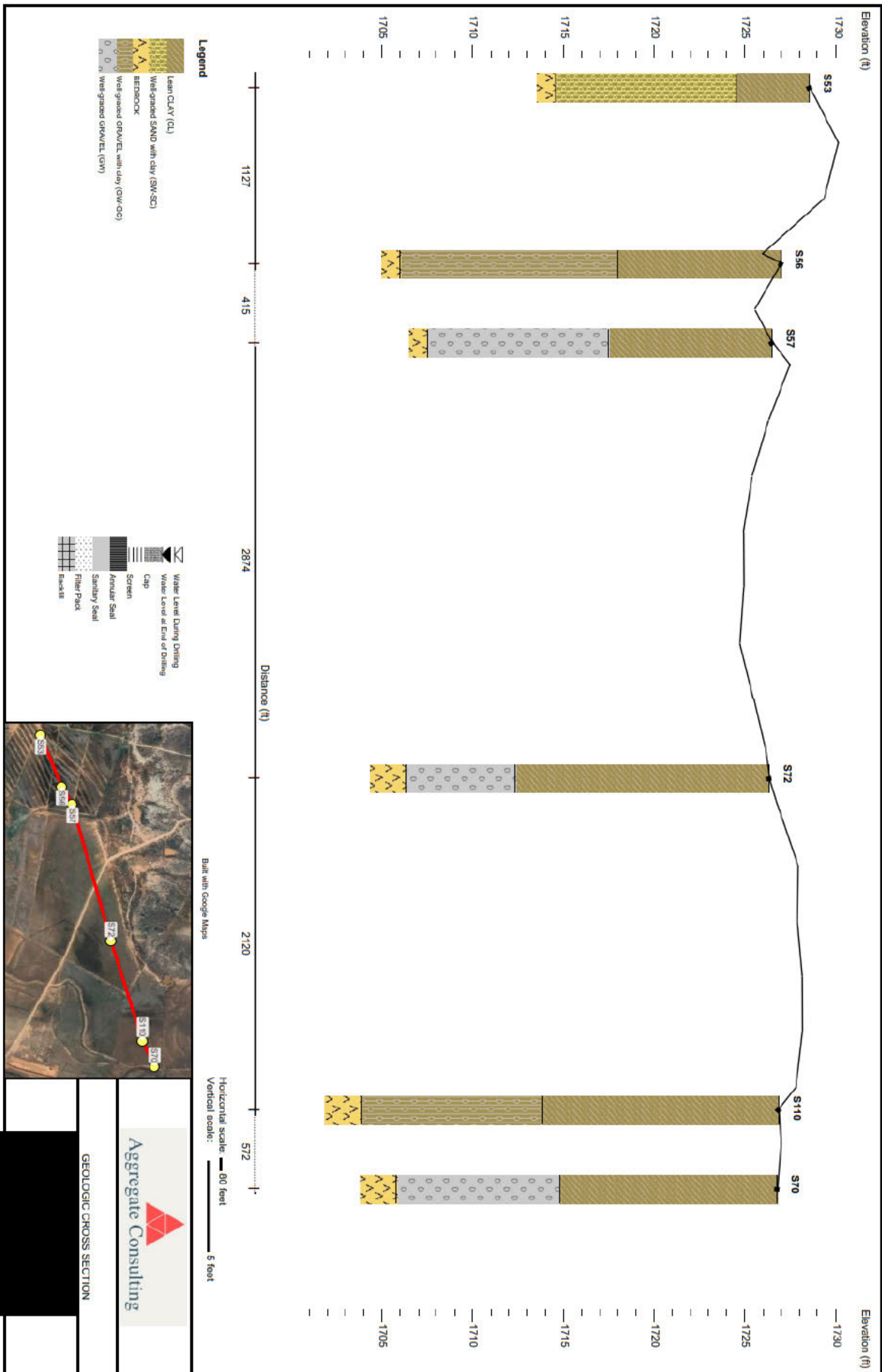


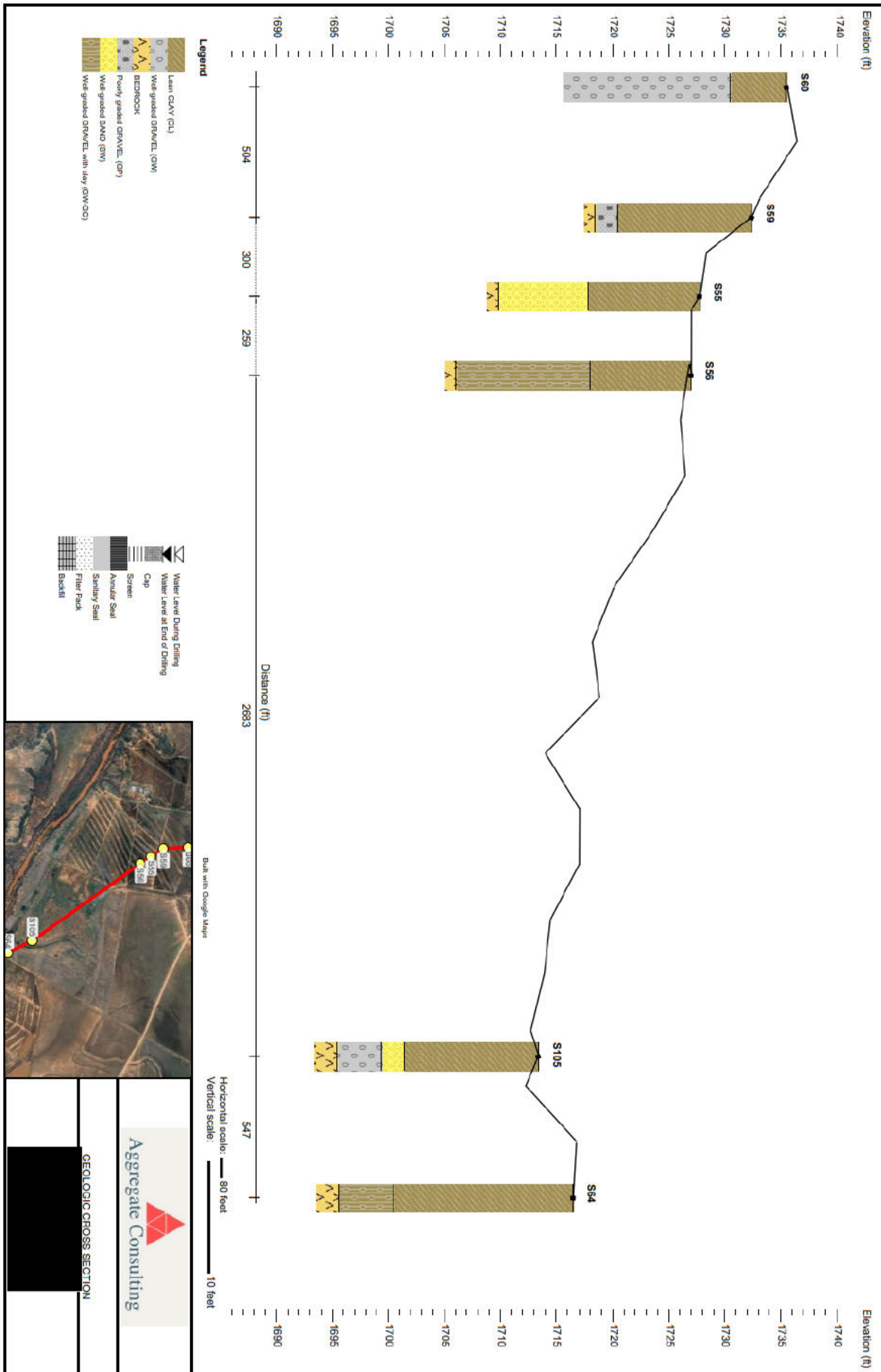
Link to | Built with Google Maps

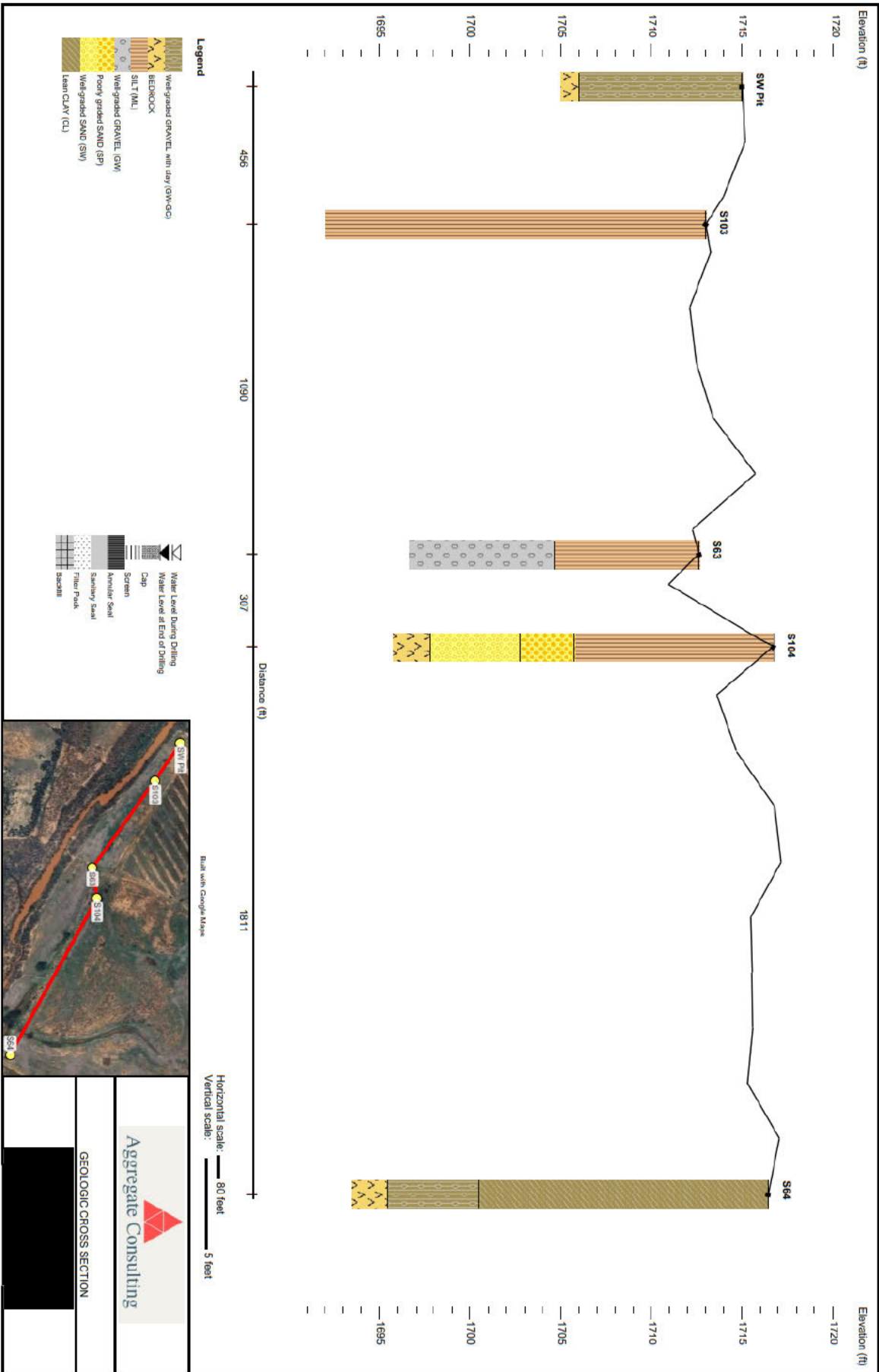
Surface Geology Map

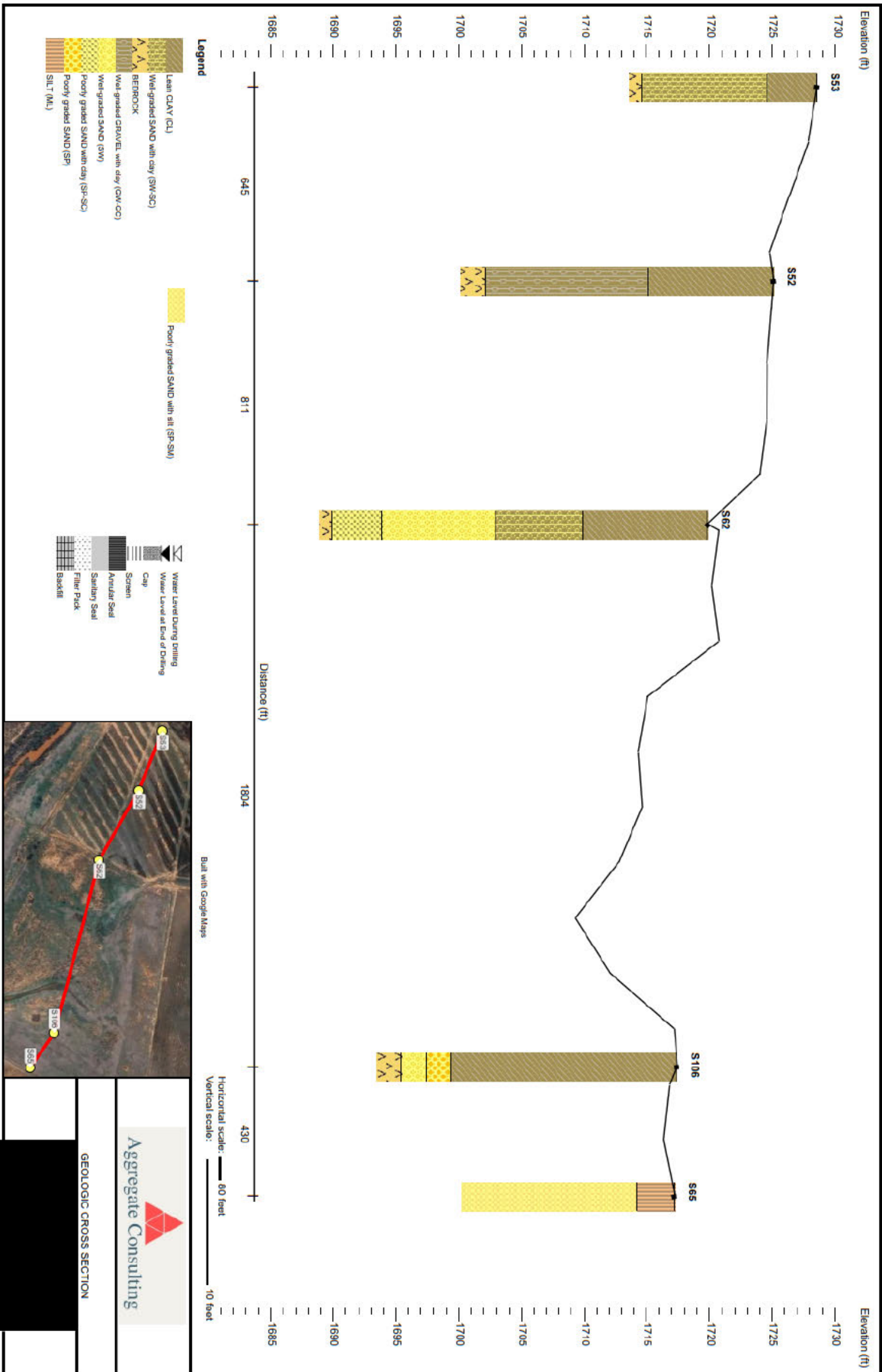


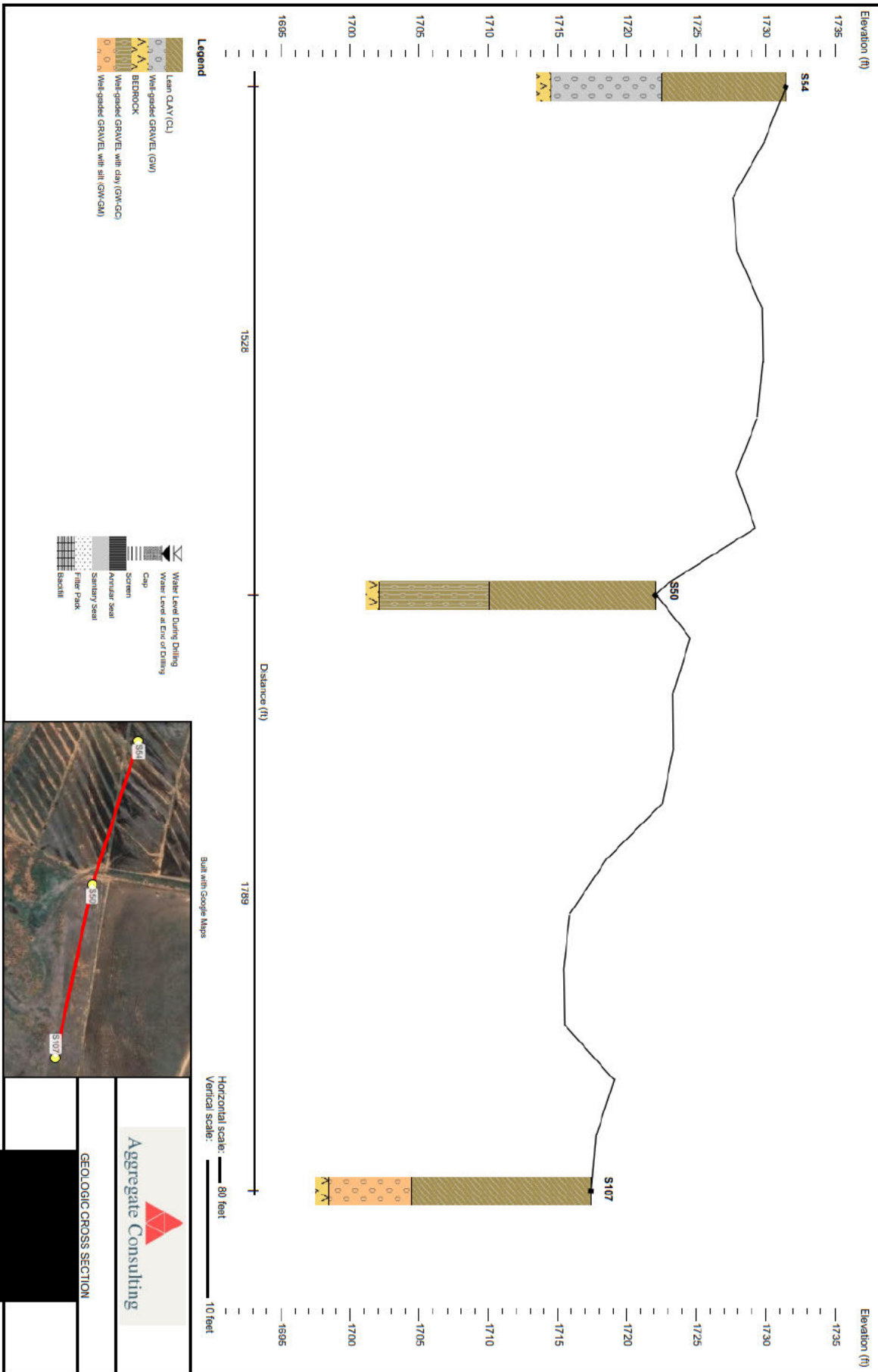


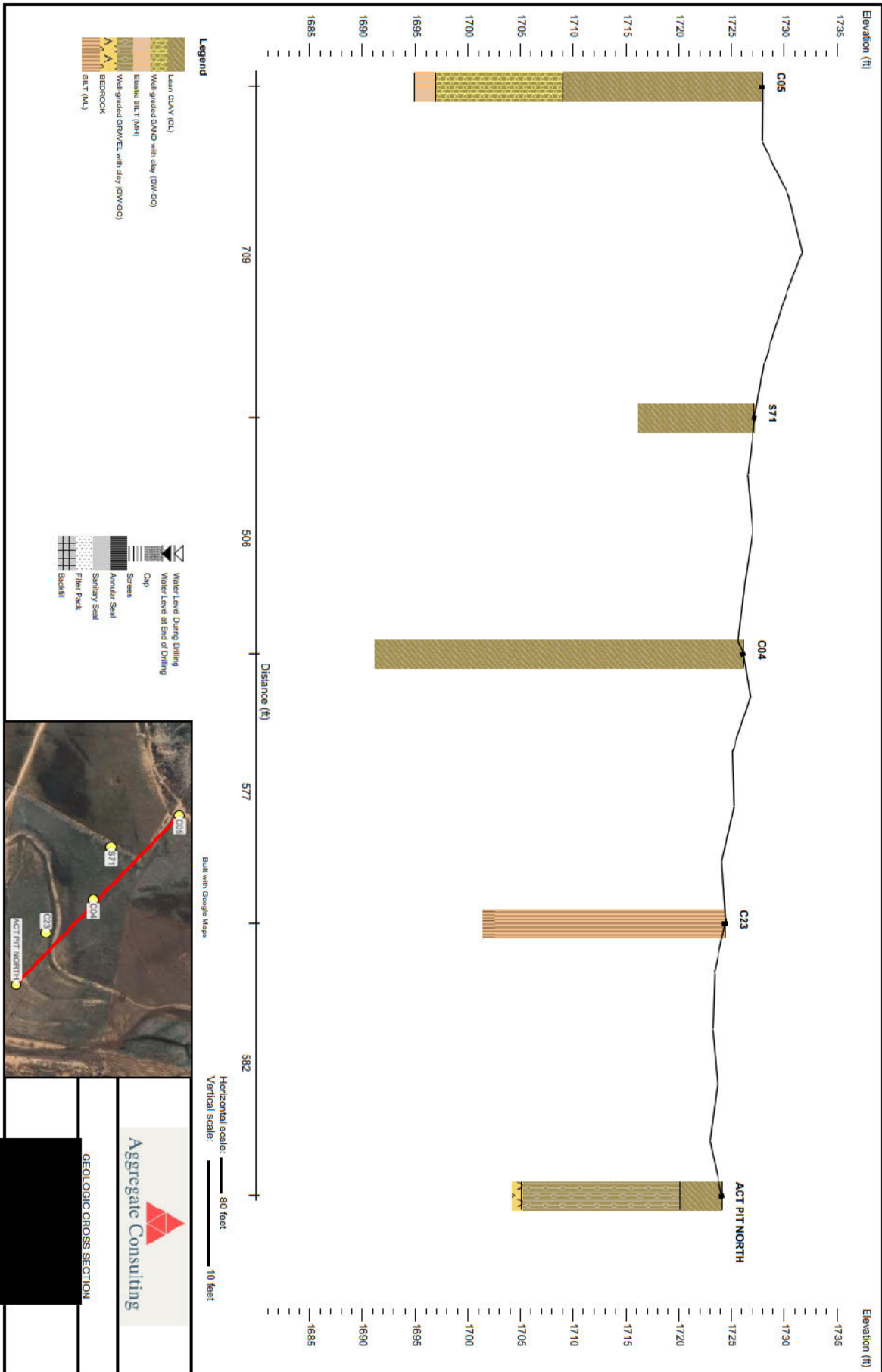


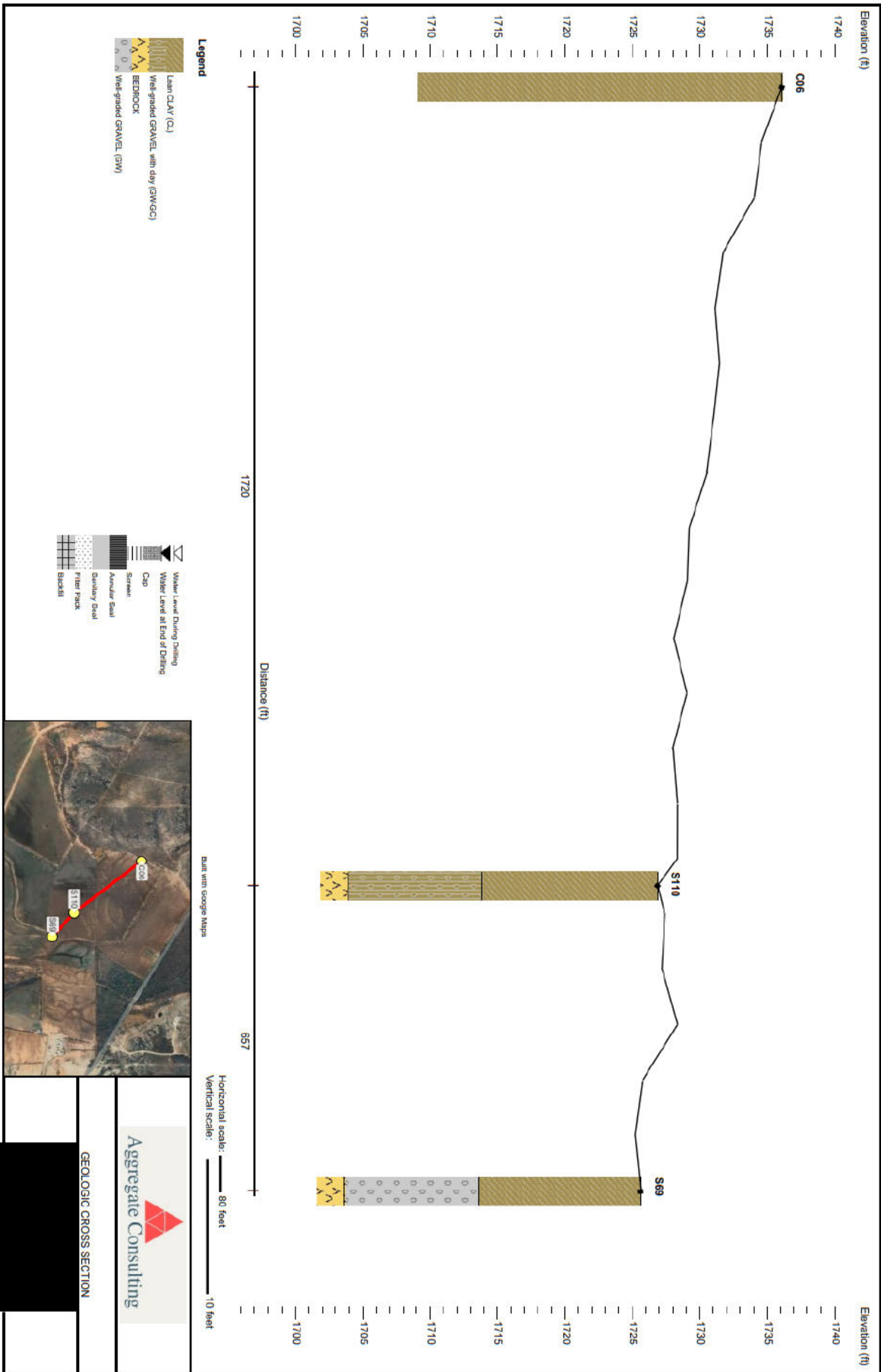


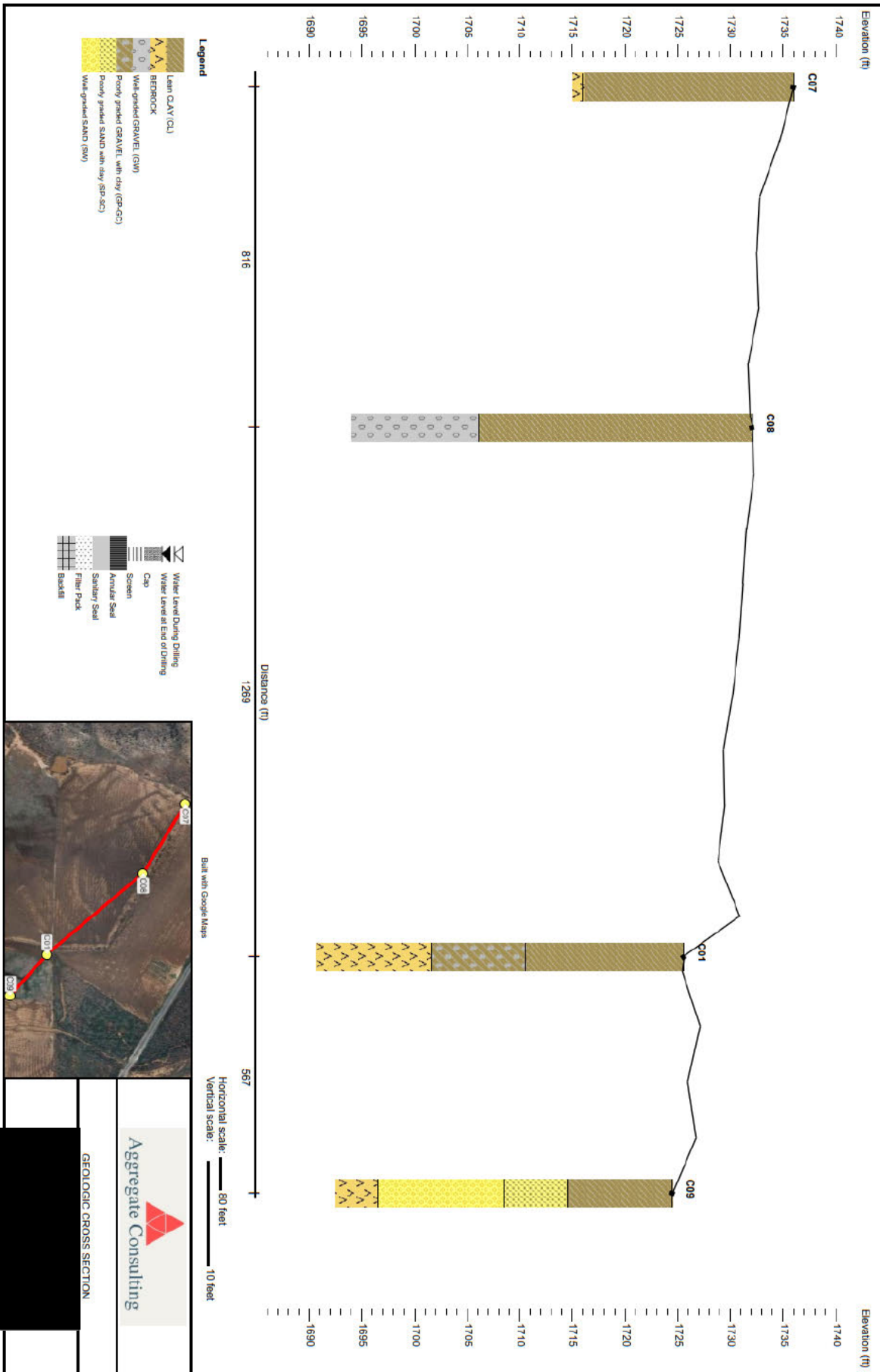


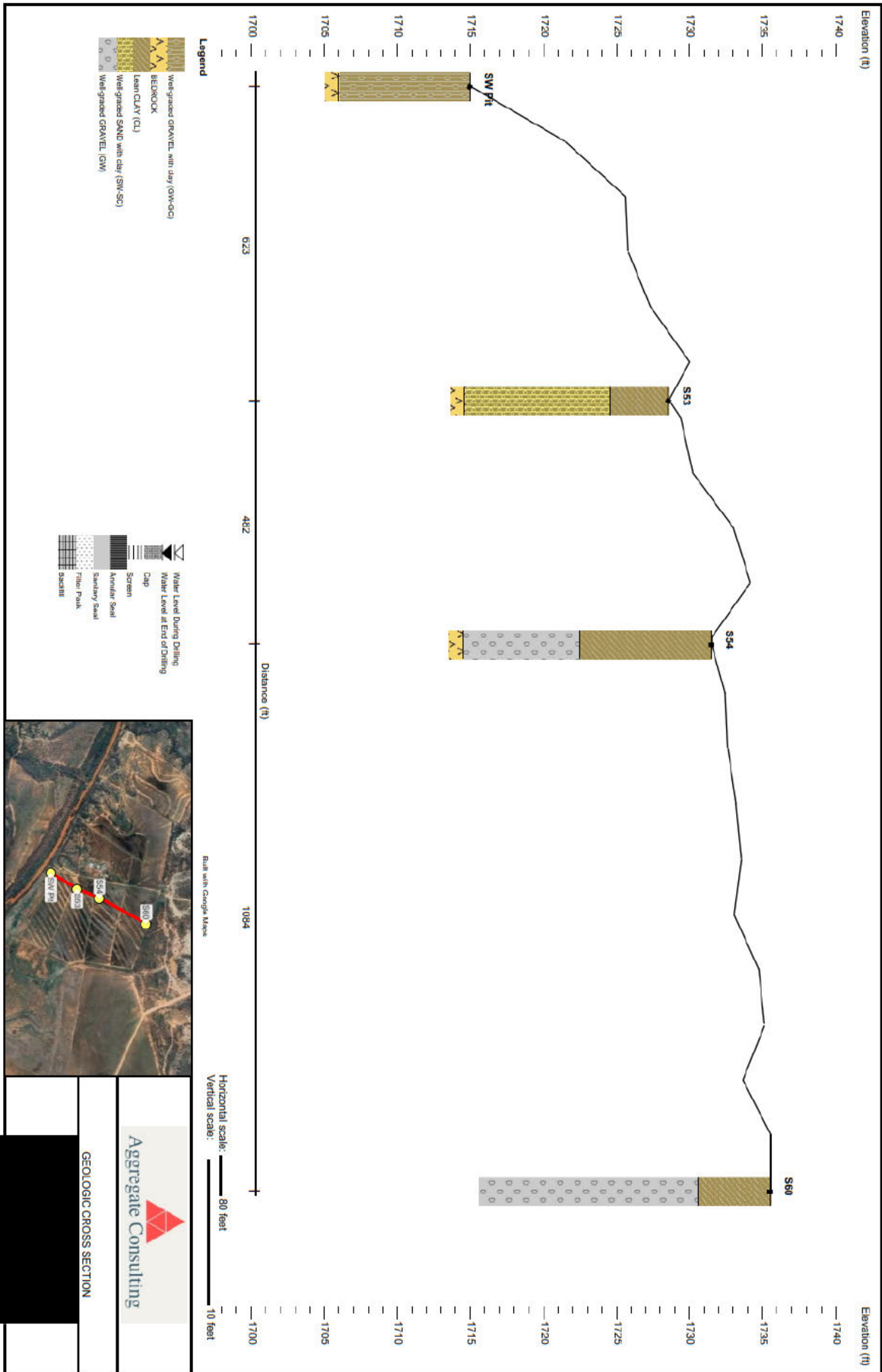


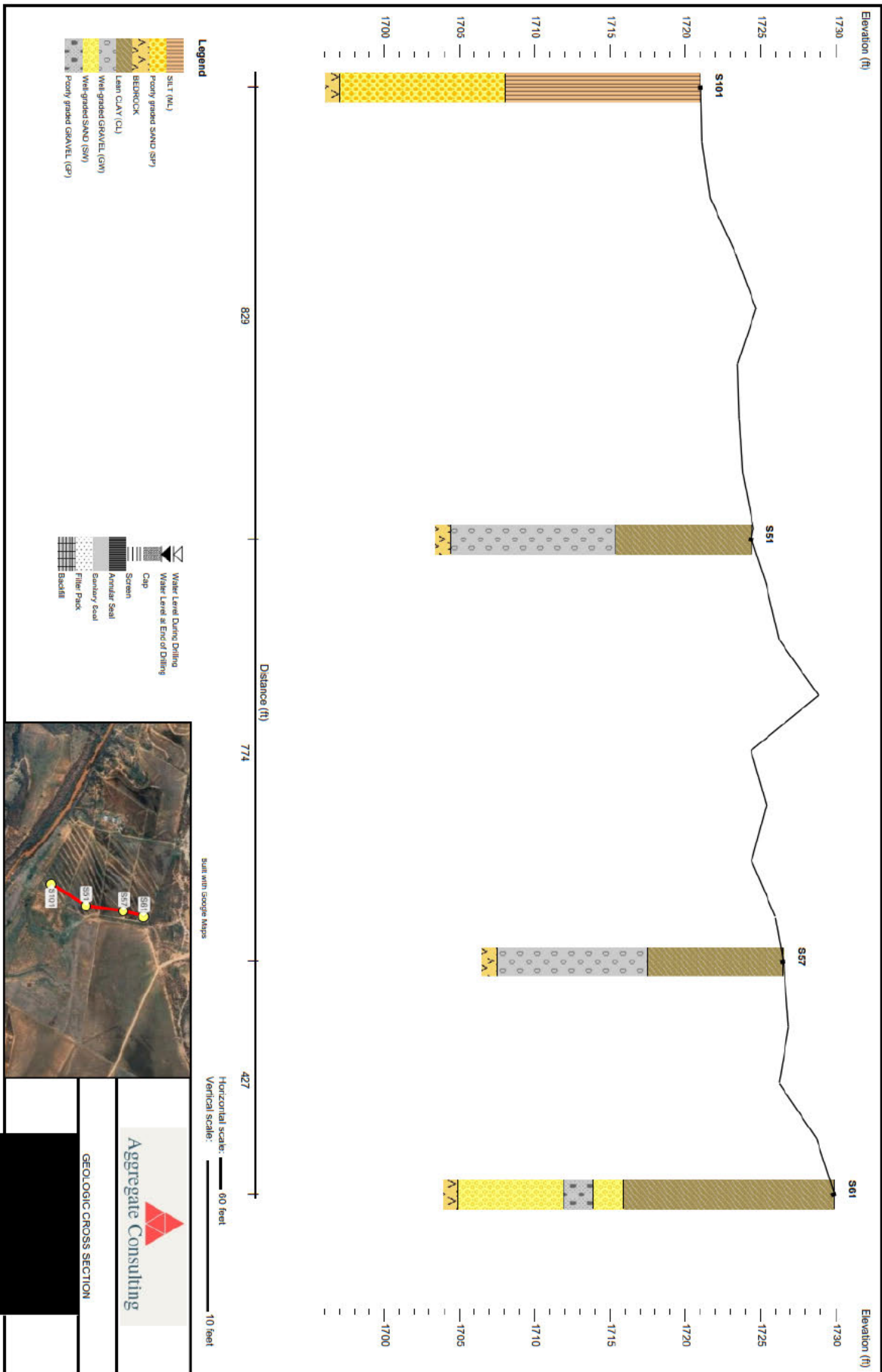


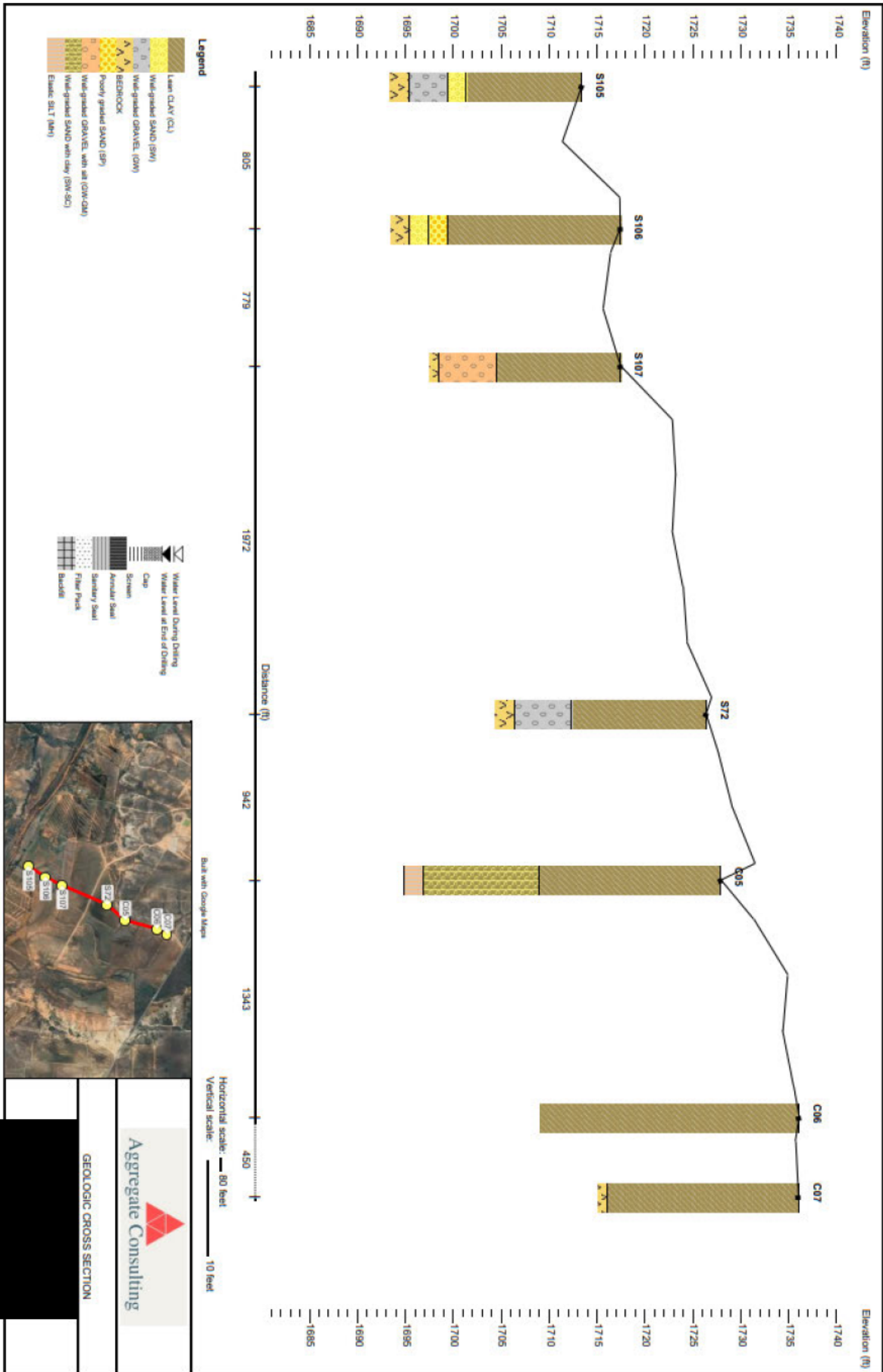


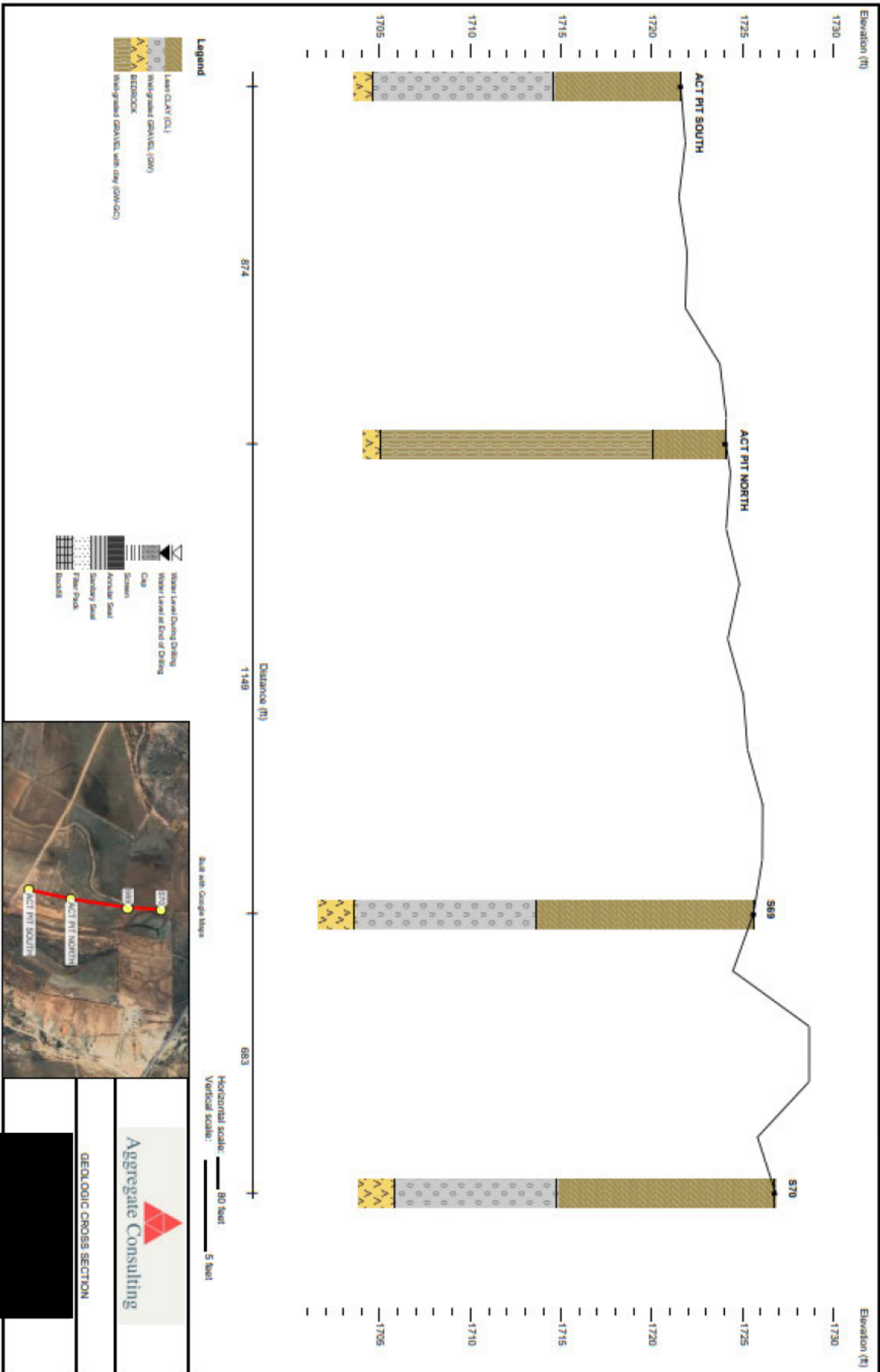


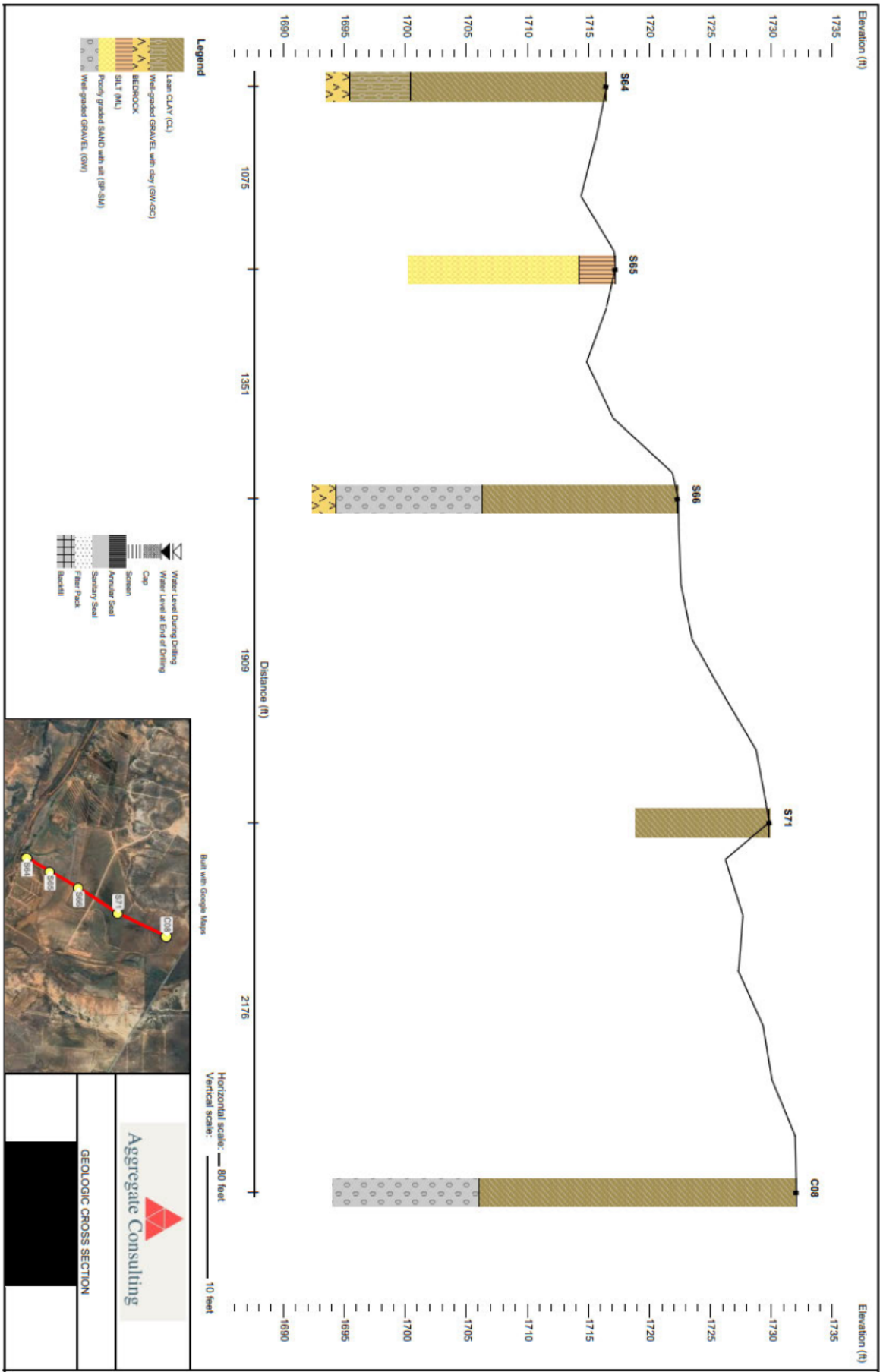














Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. ACT PIT NORTH
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 19
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with gravel (CL); trace fine-coarse gravel, trace fine-medium sand, trace silt, mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Dry Clay Overburden		0
5								(4.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly coarse grained gravel, some medium-coarse sand, trace silt, trace clay, medium dense, dry, light reddish-brown, Coarse clean Sand & Gravel. Rocky with layered sand lenses and a few clay seams interbedded. 60% Rock/Gravel 40% Sand		5
10										10
15										15
20								(19.00') BEDROCK: Red Bed Shale		20
25										25

NOTES: Hole precleared on 04/30/24.



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. ACT PIT SOUTH
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 18
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay Overburden	(0.0') Active Pit Wall. Observations taken from wall cut.	0
5										5
10								(7.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium-coarse sand, trace silt, trace clay, dense, dry, dark reddish-brown, Good Coarse Sand & Gravel with Large Rock mostly 3" Minus		10
15										15
								(17.00') BEDROCK: Red Bed Shale		
								(18.00') Boring terminated		
20										20

NOTES:



Client: [REDACTED] LTD

Project: [REDACTED] Prospect

Address: [REDACTED]

BORING LOG

Boring No. C01

Page: 1 of 1

Drilling Start Date:

Drilling End Date:

Drilling Company:

Drilling Method: **Air Rotary**

Drilling Equipment:

Driller:

Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **35**

Boring Diameter (in): **0.0**

Sampling Method(s): **N/A**

DTW During Drilling (ft): **N/A**

DTW After Drilling (ft): **N/A**

Ground Surface Elev. (ft): **N/A**

Location (Lat, Long): [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT					SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)	N Value			
0									(0.00') Lean CLAY (CL); moist, dark reddish-brown, Med Brown Clay Moist		0
5											5
10									(9.00') Lean CLAY with gravel (CL); trace fine-coarse gravel, dark reddish-brown, Slight Gravel Med Brown Clay		10
15									(15.00') Poorly graded GRAVEL with clay (GP-GC); mostly fine-coarse grained gravel, little clay, dark reddish-brown, Med Gravel Br Clay 1/2"-2" 80/20		15
20											20
25									(24.00') BEDROCK: Shale		25
30											30
35									(35.00') Boring terminated		35
40											40

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C04
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **35**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); mostly clay, slightly moist, dark reddish-brown, Med Red Wet Clay		0
5										5
10										10
15										15
20										20
25										25
30										30
35								(35.00') Boring terminated		35
40										40

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C05
 Page: 1 of 1

Drilling Start Date: 05/05/24
 Drilling End Date: 05/05/24
 Drilling Company:
 Drilling Method: Air Rotary
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 42
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); few fine sand, dry, Dry Med Brn Clay w/15& Sand. Overburden		0
5										5
10										10
15										15
20								(19.00') Well-graded SAND with clay and gravel (SW-SC); mostly fine-coarse grained sand, some fine-coarse gravel, trace clay, Dry Sand with Clay Sand & Gravel With larger gravel 1-3" at 31'	(19.0') 50% Gravel 50% Sand	20
25										25
30										30
35								(31.00') Elastic SILT (MH); Clay Lense		35
40								(33.00') No Recovery: Water@35'		40
45								(42.00') Boring terminated		45

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C06
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **27**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0	LITHOLOGY							(0.00') Lean CLAY (CL); dry, dark reddish-brown, Med Brn Clay Dry		0
5										5
10										10
15										15
17								(17') Caliche Lense		
18								(18.00') Sandy lean CLAY (CL); moist, dark reddish-brown, Moist Brn Sandy Clay		
20										20
25										25
27								(27.00') Boring terminated		
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C07
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **21**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with gravel (CL); trace coarse gravel, dark reddish-brown, Brn Clay with 5% Gravel		0
								(2.00') Lean CLAY (CL); dry, dark reddish-brown, Brn Clay Dry		
5										5
10										10
15										15
18.00								(18.00') Lean CLAY with gravel (CL); trace fine-coarse gravel, dark reddish-brown, Brn Clay with Trace of Gravel		
20.00								(20.00') BEDROCK: Blue Shale		
21.00								(21.00') Boring terminated		
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C08
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **38**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); slightly moist, dark reddish-brown, Brn Clay Slightly Moist		0
5										5
10										10
15										15
20								(19.00') Lean CLAY with gravel (CL); dark reddish-brown, Brn Clay with Gravel		20
25										25
30								(26.00') Well-graded GRAVEL (GW); wet, dark reddish-brown, Gravel and Water		30
35										35
40								(38.00') Boring terminated Still in Gravel		40

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C09
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **32**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); slightly moist, dark reddish-brown, Brown Clay Semi Moist		0
10								(10.00') Poorly graded SAND with clay (SP-SC); mostly fine grained sand, little clay, dark reddish-brown, Red Sand With Clay 80/20		10
16								(16.00') Well-graded SAND (SW); dark reddish-brown, Red Sand with Gravel		16
28								(28.00') BEDROCK: Shale		28
32								(32.00') Boring terminated	(32.0') Water	32
35										35

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C11
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **25**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with gravel (CL); dark reddish-brown, Brown Clay with Sand Small Gravel		0
5								(4.00') Well-graded GRAVEL (GW); dark reddish-brown, Clean Gravel 2"		5
10								(6.00') Well-graded SAND (SW); light reddish-brown, Clean Sand / Pea Gravel		10
15								(13.00') Lean CLAY with sand (CL); trace fine-coarse gravel, trace fine-coarse sand, dark reddish-brown, Brown Clay with Sand and Little Gravel		15
20								(15.00') Lean CLAY with sand (CL); trace fine-coarse sand, dry, dark reddish-brown, Dry Brown Clay with Sand		20
25								(25.00') Boring terminated		25
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C23
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **23**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Sandy SILT (ML); dry, dark reddish-brown, Red Silty Sand		0
5								(6.00') Sandy SILT (ML); moist, dark reddish-brown, Red Silty Sand		5
10										10
15										15
20										20
22.00								(22.00') Sandy SILT (ML); wet, dark reddish-brown, Red Silty Sand		22.00
23.00								(23.00') Boring terminated		23.00
25										25
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. C24
 Page: 1 of 1

Drilling Start Date:
 Drilling End Date:
 Drilling Company:
 Drilling Method: **Air Rotary**
 Drilling Equipment:
 Driller:
 Logged By: **John Pitts - Aggregate Consulting LLC.**

Boring Depth (ft): **21**
 Boring Diameter (in): **0.0**
 Sampling Method(s): **N/A**
 DTW During Drilling (ft): **N/A**
 DTW After Drilling (ft): **N/A**
 Ground Surface Elev. (ft): **N/A**
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Sandy SILT (ML); dry, dark reddish-brown, Red Silty Sand		0
5										5
10										10
15										15
16								(16.00') Poorly graded SAND (SP); moist, light reddish-brown, Clean Sand		
20								(20.00') Poorly graded GRAVEL (GP); mostly coarse grained gravel, dark reddish-brown, Coarse Rock with Sand		20
21								(21.00') Boring terminated		25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. DR13
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 22
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay with trace of Caliche. Overburden.		0
5										5
10										10
15								(15.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, little fine-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Good Coarse Dirty Sand & Gravel. Mostly 1 1/2" Minus.	(15.0') 80% Rock 20% Sand	15
20								(20.00') BEDROCK: Red bed Shale		20
22								(22.00') Boring terminated		22
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. DR32
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 24
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10										10
15								(12.00') Well-graded GRAVEL with clay (GW-GC); mostly coarse grained gravel, few medium-coarse sand, trace silt, few clay, medium dense, dry, dark reddish-brown, Rock with tight clay binder. Mostly medium size rock. Dirty	(12.0') 90% Rock 10% Sand	15
20										20
22								(22.00') BEDROCK: Red Bed Shale		22
24								(24.00') Boring terminated		24
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S50
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 21
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10										10
15								(12.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly coarse grained gravel, little medium-coarse sand, few silt, trace clay, medium dense, dry, dark reddish-brown, Dirty Sand & Gravel with clay lenses. Some larger rock.	(12.0') 75% Rock 25% Sand	15
20								(20.00') BEDROCK: Red Bed and Gray Shale		20
21								(21.00') Boring terminated		21
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S51
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 21
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10								(9.00') Well-graded GRAVEL (GW); mostly coarse grained gravel, few medium-coarse sand, few silt, trace clay, medium dense, dry, dark reddish-brown, Dirty Rock to 6" and Gravel with thin sand lenses.	(9.0') 90% Rock 10% Sand	10
15										15
20								(20.00') BEDROCK: Red Bed Shale		20
								(21.00') Boring terminated		
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S52
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date:
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 25
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown		0
5										5
10								(10.00') Well-graded GRAVEL with clay (GW-GC); mostly coarse grained gravel, few medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Very Coarse Gravel with Sand and 6" Rocks Some Clay Seams 90%Rock/10%Sand		10
15										15
20										20
23								(23.00') BEDROCK: Red Bed Shale		25
25								(25.00') Boring terminated		25
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S53
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 15
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5								(4.00') Well-graded SAND with clay and gravel (SW-SC); mostly medium-coarse grained sand, little fine-coarse gravel, few silt, trace clay, medium dense, dry, dark reddish-brown, Clean Sand with Dirty Rock Layers		5
15								(14.00') BEDROCK: Red Bed Shale with Gray Shale		15
								(15.00') Boring terminated		15
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S54
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 18
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10								(9.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium-coarse sand, medium dense, dry, light reddish-brown, Clean Sand & Gravel	(9.0') 60% Rock 40% Sand	10
15										15
								(17.00') BEDROCK: Red Bed Shale		
								(18.00') Boring terminated		
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S55
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 19
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
10								(10.00') Well-graded SAND with gravel (SW); mostly medium-coarse grained sand, some fine-coarse gravel, loose, dry, light reddish-brown, Clean Sand & Gravel	(10.0') 30% Rock 70% Sand	10
18								(18.00') BEDROCK: Red Bed Shale		18
19								(19.00') Boring terminated		19

NOTES:



Client: [REDACTED] LTD

Project: [REDACTED] Prospect

Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG

Boring No. S56

Page: 1 of 1

Drilling Start Date: 04/30/24

Drilling End Date: 04/30/24

Drilling Company:

Drilling Method: Track-Mounted Backhoe

Drilling Equipment:

Driller:

Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 22

Boring Diameter (in): 0.0

Sampling Method(s): N/A

DTW During Drilling (ft): N/A

DTW After Drilling (ft): N/A

Ground Surface Elev. (ft): N/A

Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
9								(9.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly fine-coarse grained gravel, some medium-coarse sand, few silt, trace clay, medium dense, dry, dark reddish-brown, Dirty Sand & Gravel with clay lenses	(11.5') 60% Rock 40% Sand	9
21								(21.00') BEDROCK: Red Bed Shale		21
22								(22.00') Boring terminated		22

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S57
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 20
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10								(9.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium-coarse sand, medium dense, dry, dark reddish-brown, Clean Sand & Gravel	(9.0') 60% Rock 40% Sand	10
15										15
20								(19.00') BEDROCK: Red Bed Shale		20
								(20.00') Boring terminated		20
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S58
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method:
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 28
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); trace fine-coarse gravel, trace medium sand, mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10										10
15										15
20										20
25										25
27.00								(27.00') BEDROCK: Red Bed Shale	(27.0') No Mineable Sand or Gravel Present	
28.00								(28.00') Boring terminated		
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S59
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 15
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10										10
12.00								(12.00') Poorly graded GRAVEL (GP); mostly fine-coarse grained gravel, few medium-coarse sand, few silt, few clay, medium dense, dry, dark reddish-brown, Dirty Gravel with trace of Sand		
14.00								(14.00') BEDROCK: Red Bed		
15.00								(15.00') Boring terminated		15
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S60
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 0
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5								(5.00') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, little medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Coarse Rocky Sand & Gravel 85% Rock 15% Sand		5
10										10
15										15
20								(20.00') BEDROCK: Red Bed Red Shale		20
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S61
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 26
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
14								(14.00') Well-graded SAND (SW); mostly fine grained sand, trace fine-coarse gravel, trace silt, loose, dry, light, Fine Sand		15
16								(16.00') Poorly graded GRAVEL (GP); mostly coarse grained gravel, trace fine-medium sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Coarse Gravel		20
18								(18.00') Well-graded SAND with gravel (SW); mostly medium-coarse grained sand, some fine-coarse gravel, medium dense, dry, light reddish-brown, Clean Sand & Gravel 30% Rock 70% Sand		25
25								(25.00') BEDROCK: Red Bed Shale		25
26								(26.00') Boring terminated		30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S62
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 31
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Sandy lean CLAY (CL); trace fine-coarse gravel, some fine sand, trace silt, trace clay, low plasticity, soft, dry, light reddish-brown, Sandy Overburden with clay.		0
10								(10.00') Well-graded SAND with clay (SW-SC); mostly fine grained sand, trace fine-coarse gravel, few silt, trace clay, loose, dry, dark reddish-brown, Dirty fine sand with some gravel		10
17								(17.00') Well-graded SAND (SW); mostly fine-medium grained sand, few fine-coarse gravel, loose, dry, light reddish-brown, Clean fine sand with gravel	(17.0') 10% Rock 90% Sand	17
26								(26.00') Poorly graded SAND with clay (SP-SC); mostly coarse grained sand, few fine-coarse gravel, trace silt, trace clay, medium dense, dry, dark reddish-brown, Coarse Sand & Gravel		26
30								(30.00') BEDROCK: Red Bed Shale		30
31								(31.00') Boring terminated		31

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S63
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 16
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') SILT with sand (ML); few fine sand, mostly silt, low plasticity, soft, dry, light reddish-brown, Silty Sandy Overburden		0
5										5
10								(8.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium sand, few silt, trace clay, medium dense, slightly moist, dark reddish-brown, Dirty Sand & Gravel. Wet at Bottom. Hole caved in at the water table. Did not observe Reb Bed and could not determine terminal depth of formation.		10
15										15
								(16.00') Boring terminated	(16.0') Water present at 15'	
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S64
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 23
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); few silt, medium plasticity, medium stiff, dry, dark reddish-brown, Clay Overburden with Silt		0
5								(6.00') Lean CLAY (CL); mostly silt, some clay, medium plasticity, medium stiff, dry, dark reddish-brown, Silty Overburden		5
10								(16.00') Well-graded GRAVEL with clay and sand (GW-GC); some fine-coarse grained gravel, some medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Dirty Sand & Gravel	(16.0') 50% Rock 50% Sand	10
15									(20.0') Water @20'	15
20								(21.00') BEDROCK: Red Bed Shale		20
25								(23.00') Boring terminated		25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S65
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 17
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') SILT with sand (ML); some fine sand, few silt, few clay, low plasticity, soft, dry, dark reddish-brown, Tan Silty Sand Hardpacked Clay Overburden		0
5								(3.00') Poorly graded SAND with silt (SP-SM); mostly fine grained sand, trace fine-coarse gravel, little silt, loose, dry, dark reddish-brown, Fine Silt Sand with a trace of Gravel. NO MINEBLE SAND & GRAVEL	(3.0') NO S&G Estimated 100% Passing #50 and 95% Passing 100	5
10										10
15									(16.0') Hole caved in.	15
17								(17.00') Boring terminated		17
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S66
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 30
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); few fine sand, medium plasticity, medium stiff, dry, dark reddish-brown, Hard Sandy Clay Overburden		0
16.00								(16.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium-coarse sand, trace silt, medium dense, dry, light reddish-brown, Good Coarse Sand & Gravel. Not much large rock.	(16.0') 50% Rock 50% Sand	16.00
28.00								(28.00') BEDROCK: Red Bed Shale		28.00
30.00								(30.00') Boring terminated		30.00
35										35

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S67
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method:
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 22
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5										5
10										10
15								(12.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly fine-coarse grained gravel, some medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Good Coarse Sand & Gravel. Dirty with Clay Lenses.	(12.0') 50% Rock 50% Sand. Damp at Bottom	15
20								(20.00') BEDROCK: Red Bed Shale		20
22								(22.00') Boring terminated		22
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S69
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 24
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Brown Clay Overburden		0
5										5
10										10
12								(12.00') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, little medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Good Coarse Rocky Sand & Gravel. Mostly 3" Minus.	(12.0') 75% Rock 25% Gravel. Similar to S70	15
15										15
20										20
22								(22.00') BEDROCK: Red Bed Shale		25
24								(24.00') Boring terminated		25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S70
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 23
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with gravel (CL); trace fine-coarse gravel, trace medium-coarse sand, mostly clay, medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay Overburden. 1' Thick S&G Layer at 9'		0
5										5
10										10
15								(12.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some medium-coarse sand, trace silt, medium dense, dry, dark reddish-brown, Good Coarse Sand & Gravel. Rocky Mostly 3" Minus. Dirty/Silty towards the upper 1' of formation.	(12.0') 70% Rock 30% Sand (13.0') Similar to S69	15
20										20
21								(21.00') BEDROCK: Red Bed Shale		21
22								(23.00') Boring terminated		22
23										23

NOTES:



Client: [REDACTED] LTD

Project: [REDACTED] Prospect

Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG

Boring No. S71

Page: 1 of 1

Drilling Start Date: 04/30/24

Drilling End Date: 04/30/24

Drilling Company:

Drilling Method: Track-Mounted Backhoe

Drilling Equipment:

Driller:

Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 11

Boring Diameter (in): 0.0

Sampling Method(s): N/A

DTW During Drilling (ft): N/A

DTW After Drilling (ft): N/A

Ground Surface Elev. (ft): N/A

Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay Overburden.		0
5										5
10									(10.0') Hole incomplete, NO S&G Present.	10
								(11.00') Boring terminated		
15										15

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S72
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 22
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay Overburden		0
5										5
10										10
15								(14.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some fine-coarse sand, trace silt, medium dense, dry, dark reddish-brown, Good Coarse Sand & Gravel.	(14.0') 50% Rock 50% Sand	15
20								(20.00') BEDROCK: Red Bed Estimated-Hole caved in.		20
22								(22.00') Boring terminated		22
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S100
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 11
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5								(5.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly coarse grained gravel, little medium sand, few silt, trace clay, medium dense, dry, dark reddish-brown, Dirty Gravel with Sand	(5.0') 80% Rock 20% Sand	5
10								(10.00') BEDROCK: Red Bed Shale		10
11								(11.00') Boring terminated		15

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S101
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 25
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Sandy SILT (ML); few fine sand, mostly silt, low plasticity, soft, dry, light reddish-brown, Sandy Silty Overburden		0
5										5
10										10
15								(13.00') Poorly graded SAND (SP); mostly fine grained sand, few fine-coarse gravel, loose, dry, light reddish-brown, Clean Fine sand with some good Sand & Gravel. Mostly Fine sand 90% to 10% Good S&G		15
20										20
25								(24.00') BEDROCK: Red Bed no coarse layer observed		25
								(25.00') Boring terminated		
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S102
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 16
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with gravel (CL); trace coarse gravel, trace medium sand, little clay, medium plasticity, medium stiff, dry, dark reddish-brown, Clay Overburden with a 6" streak of Coarse Gravel		0
5										5
10								(8.00') Well-graded GRAVEL with clay (GW-GC); mostly coarse grained gravel, few medium-coarse sand, few silt, trace clay, dense, dry, dark reddish-brown, Dirty Rock and Gravel with a small amount of Sand	(8.0') 90% Rock 10% Sand	10
15								(15.00') BEDROCK: Red Bed Shale with Gray Shale		15
								(16.00') Boring terminated		
20										20

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S103
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 21
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') SILT with sand (ML); few fine sand, mostly silt, low plasticity, soft, dry, light reddish-brown, Silty Sand No minable S&G present.		0
5										5
10										10
15										15
20								(20.00') SILT (ML); wet, dark reddish-brown, Water at bottom. Did not observe Bed Rock Red Bed	(20.0') Walls caved in on bottom. Did not observe Red Bed to verify extents of formation. Due to the lack of useable material I did not re-excavate to locate bedrock	20
								(21.00') Boring terminated		25

NOTES: Bottom caved and covered.



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S104
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 21
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') SILT with sand (ML); little fine sand, low plasticity, soft, dry, light reddish-brown, Silty Overburden		0
5								(11.00') Poorly graded SAND (SP); mostly fine grained sand, trace fine-coarse gravel, loose, dry, light reddish-brown, Fine Clean Sand Very little Good S&G		5
10								(14.00') Well-graded SAND with gravel (SW); mostly medium-coarse grained sand, some fine-coarse gravel, trace silt, medium dense, dry, light reddish-brown, Good Coarse Sand & Gravel. Water at Bottom Covered Terminal depth. Estimated one foot of coverage.		10
15								(19.00') BEDROCK: Red Bed Estimated. Covered in water.		15
20								(21.00') Boring terminated		20
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S105
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 20
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); high plasticity, stiff, dry, dark reddish-brown, Hard Clay Overburden		0
5								(12.00') Well-graded SAND (SW); mostly fine-medium grained sand, trace fine-coarse gravel, trace silt, loose, dry, light reddish-brown, Fine to Medium Sand		5
10								(14.00') Well-graded GRAVEL with sand (GW); mostly coarse grained gravel, little medium-coarse sand, trace silt, medium dense, dry, dark reddish-brown, Very Coarse Sand & Gravel	(14.0') 80% Rock 20% Sand	10
15								(18.00') BEDROCK: Red Bed Shale	(18.0') Water @18'	15
20								(20.00') Boring terminated		20
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S106
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 24
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Sandy lean CLAY (CL); little fine sand, mostly silt, low plasticity, soft, dry, dark reddish-brown, Sandy Silty Clay Overburden		0
5										5
10										10
15										15
18.00								(18.00') Poorly graded SAND (SP); mostly fine grained sand, trace fine gravel, medium dense, dry, light reddish-brown, Fine Pack Sand can be blended with lower coarse layer.		20
20.00								(20.00') Well-graded SAND with gravel (SW); mostly coarse grained sand, some fine-coarse gravel, medium dense, dry, dark reddish-brown, Good Coarse Sand & Gravel		20
22.00								(22.00') BEDROCK: Red Bed Shale Damp at Bottom		25
24.00								(24.00') Boring terminated		25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S107
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 20
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY with sand (CL); little fine sand, some silt, mostly clay, medium plasticity, soft, dry, dark reddish-brown, Sand Clay Overburden		0
5										5
10										10
15								(13.00') Well-graded GRAVEL with silt and sand (GW-GM); mostly coarse grained gravel, little medium-coarse sand, trace silt, trace clay, dense, dry, dark reddish-brown, Very Coarse Rock with Good Sand & Gravel. Some 6" to 8" Rocks		15
20								(19.00') BEDROCK: Red Bed Shale. Damp at 19' Bottom		20
								(20.00') Boring terminated		
25										25

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. S110
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 25
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Lean CLAY (CL); medium plasticity, stiff, dry, dark reddish-brown, Hard Brown Clay Overburden		0
13.00								(13.00') Well-graded GRAVEL with clay and sand (GW-GC); mostly fine-coarse grained gravel, little medium-coarse sand, trace silt, trace clay, medium dense, dry, dark reddish-brown, Good Coarse Gravel with Sand. Dirty with multiple clay lenses.	(13.0') 75% Rock 25% Sand	15
23.00								(23.00') BEDROCK: Red Bed Shale		25
25.00								(25.00') Boring terminated		25
30										30

NOTES:



Client: [REDACTED] LTD
 Project: [REDACTED] Prospect
 Address: [REDACTED] [REDACTED] [REDACTED]

BORING LOG
 Boring No. SW Pit
 Page: 1 of 1

Drilling Start Date: 04/30/24
 Drilling End Date: 04/30/24
 Drilling Company:
 Drilling Method: Track-Mounted Backhoe
 Drilling Equipment:
 Driller:
 Logged By: John Pitts - Aggregate Consulting LLC.

Boring Depth (ft): 10
 Boring Diameter (in): 0.0
 Sampling Method(s): N/A
 DTW During Drilling (ft): N/A
 DTW After Drilling (ft): N/A
 Ground Surface Elev. (ft): N/A
 Location (Lat, Long): [REDACTED] [REDACTED]

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT				SOIL/ROCK VISUAL DESCRIPTION	REMARKS	DEPTH (ft)
				Sample Type	Time	Blow Counts	Recovery (ft)			
0								(0.00') Well-graded GRAVEL with clay (GW-GC); mostly coarse grained gravel, trace medium-coarse sand, some silt, dense, dry, dark reddish-brown, Top layer Overburden too dirty to run through plant	(0.0') Previously excavated pit. Wall observation.	0
5										5
10								(9.00') BEDROCK: Red Bed Shale		10
15								(10.00') Boring terminated		15
20										20

NOTES:

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 11/8

Log of Boring _____
 Sheet 1 of 1 5104

Date(s) Dated 4/30/24	Logged By John Pitts Jr.	Checked By
Driing Method Excavator	Dri Bt Size/Type	Total Depth of Borehole
Dri Rig Type	Driing Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10							Silty OB	
15							Fine sand clean very little s&g Coarse s&g	
20							Could see bottom estm one foot + added to pay above	
25								
30							30R/703	

Project: [REDACTED]	Log of Boring _____
Project Location: [REDACTED]	Sheet 1 of 1 564
Project Number: [REDACTED] 16/5	

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	0							
	5						Clay OB w Silt	
	10						Silty OB	
	15							
	20						Dirty S+G 50 R/50 S	Water @ 26'
	25						Hard Clay Red Bed	
	30							

Project: [REDACTED]
 Project Location: [REDACTED] 16 / 0
 Project Number: [REDACTED]

Log of Boring _____
 Sheet 1 of 1 565

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						<p>Tan Silty Sand <u>Hard Pack w Clay</u></p> <p>Fine Silty Sand Trace of gravel</p> <p>No S+G</p> <p>Estimated 100% Pass #50 95% Pass #100</p> <p><u>Hole Caved in</u></p>	
	5							
	10							
	15							
	20							
	25							
	30							

Project: [REDACTED]	Log of Boring _____ Sheet 1 of 1 S52
Project Location: [REDACTED] 10/12	
Project Number: [REDACTED]	

Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5							Clay OB	
10						_____	Very Coarse SLC w Larger-Rocks to 6"	
15							Some clay streaks	
20							_____	
25							Red Bed	
30							90R/105	

Project: [REDACTED]
 Project Location: [REDACTED] 4714
 Project Number: [REDACTED]

Log of Boring _____
 Sheet 1 of 1
 ACT Pit North

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0						Active Pit North They were digging today	
	5						XXXXXXXXXX Brown clay OB	
	10						Coarse Clean S+G Rocks 60/40 Layered Sand lenses Clay seams	
	20						Red Bed	
	25							
	30							

Project:	[REDACTED]	5/15	Log of Boring <u>560</u>
Project Location:			Sheet 1 of 1
Project Number:			

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
	5						Clay OB	
	10						Coarse Rocky Sand 8SR/15S	
	20						Red Bed	
	25							
	30							

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 27/0

Log of Boring _____
 Sheet 1 of 1 558

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10								
15								
20							Clay OB	
25								
30							<u>Red Bed</u>	

Project: [REDACTED]	Log of Boring _____
Project Location: [REDACTED]	Sheet 1 of 1 561
Project Number: [REDACTED] 14/11	

Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10								
15							Clay OB	
20							<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 2px;"> Fine Sand </div>	
25							<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 2px;"> coarse Gravel </div>	
30							<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 2px;"> clean S+G </div>	
35							<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 2px;"> Red Bed </div>	
30								

30 R / 70 S+G

Project: [REDACTED]	Log of Boring _____ Sheet 1 of 1 555
Project Location: [REDACTED] 10/8	
Project Number: [REDACTED]	

Date(s) Dated: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10						clay sB		
15						clean SrG		
20								
25								
30						30R/705		

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 5/5

Log of Boring _____
 Sheet 1 of 1 S 100

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Dr# Bn Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
							Clay OB	
	5						Dirty Gravel w Sand	
	10							
	15						80R/205	
	20							
	25							
	30							

Project: [REDACTED] Project Location: [REDACTED] Project Number: [REDACTED] 9/8	Log of Boring _____ Sheet 1 of 1 S54
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Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

	Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								
		5						Clay OB	
		10						Clean S+G	
		15							
		20						60R/40S	
		25							
		30							

Project: [REDACTED]	Log of Boring _____ Sheet 1 of 1 S51
Project Location: [REDACTED]	
Project Number: [REDACTED] 9/11	

Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5							Clay OB	
10							Dirty Rock to 6" thin lenses of sand	
15								
20							Red Bed	
25								
30							90R/105	

Project: [REDACTED] Project Location: [REDACTED] Project Number: [REDACTED] 12/10	Log of Boring _____ Sheet 1 of 1 DR32
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Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Date:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blow/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10							Clay OB	
15							Rock w thick Clay Mostly med size Rock Dirty	
20								
25							Red Bed	
30							90/10 R S	

Project:		Log of Boring _____
Project Location:		Sheet 1 of 1
Project Number:	10/20	S62

Date(s) Drilled	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drift Bn Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5							Sandy OB w Clay	
10							Dirty Fine Sand w some Gravel	
15							Clean Fine Sand w S+G	
20								
25								
30							Coarse Dirty S+G	
							Red Bed	

10R/905

Project:		Log of Boring _____
Project Location:		Sheet 1 of 1
Project Number:	13/11	5101

Date(s) Drilled	4/30/24	Logged By	John Pitts Jr.	Checked By	
Drilling Method	Excavator	Drill Bit Size/Type		Total Depth of Borehole	
Drill Rig Type		Drilling Contractor		Approximate Surface Elevation	
Groundwater Level and Date Measured		Sampling Method(s)		Hammer Data	
Borehole Backfill		Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10							Sandy Silty OB	
15							Clean Fine Sand w some S+G	
20							mostly Fine 90/10 S+G	
25							Red Bed	
30								

SR/953

Project: [REDACTED] Project Location: [REDACTED] Project Number: 6/7	Log of Boring _____ Sheet 1 of 1 S102
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Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blow/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5							Clay OB w 1/8" Gravel streak	
10							Dirty Rock + Gravel small amount of Sand	
15							Red Bed Gray Shale	
20								
25								
30							90R/10S	

Project: [REDACTED]
 Project Location: [REDACTED] 1/8
 Project Number: [REDACTED]

Log of Boring _____
 Sheet 1 of 1 SWPIT

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0							Rocky OB	
5							Gravel + Rock to 8" mostly 1/2 minus Dirty Very little or No Sand	
10								
15								
20								
25								
30							95R/5Sand	

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 2010

Log of Boring _____
 Sheet 1 of 1 5103

Date(s) Drilled	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	0							
5	5							
10	10							
15	15						Silty Sand	
20	20						No S+B	
25	25						Water @ 20'	
30	30						Did not see Bottom	

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 16/12

Log of Boring _____
 Sheet 1 of 1 566



Date(s) Drilled: 4/30/24	Logged By: John Pitts Jr.	Checked By:
Drilling Method: Excavator	Drill Bit Size/Type:	Total Depth of Borehole:
Drill Rig Type:	Drilling Contractor:	Approximate Surface Elevation:
Groundwater Level and Date Measured:	Sampling Method(s):	Hammer Data:
Borehole Backfill:	Location:	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0								
5								
10							Hard Sandy Clay OB	
15								
20							Good coarse STG Not much large Rock	
25							50R/50S	
30							Red Bed	

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 12/8

Log of Boring _____
 Sheet 1 of 1 567

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							
	5						Clay OB	
	10							
	15						 Coarse S+G Dirty w clay lenses SOG/SOS	
	20						 Damp at Bottom Redbed	
	25							
	30							

Project: [REDACTED]
 Project Location: [REDACTED] 15/S
 Project Number: [REDACTED]

Log of Boring _____
 Sheet 1 of 1 DR 13

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							
	5							
	10						Clay OB Some Caliche	
	15						Coarse Dirty S&G 1 1/2 mins 80 R/20 sand	
	20						Red Bed	
	25							
	30							

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 13/10

Log of Boring _____
 Sheet 1 of 1 5110

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							
	5						Brn Clay OB	
	10							
	15						Coarse Gravel w Sand Dirty w Clay lenses 45/25 sand	
	20							
	25						Red Bed	
	30							

Project: [REDACTED]
 Project Location: [REDACTED]
 Project Number: [REDACTED] 12/9

Log of Boring _____
 Sheet 1 of 1 570

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	0						Brn OB	
5	5						1' Thick S+G @ 9'	
10	10							
15	15						Coarse S+G Rocky	
20	20						Dirty Silt on top 1' 3" min	
25	25						70/30	
30	30							

Project: [REDACTED]
 Project Location: [REDACTED] 13/6
 Project Number: [REDACTED]

Log of Boring _____
 Sheet 1 of 1 S107

Date(s) Drilled 4/30/24	Logged By John Pitts Jr.	Checked By
Drilling Method Excavator	Drill Bit Size/Type	Total Depth of Borehole
Drill Rig Type	Drilling Contractor	Approximate Surface Elevation
Groundwater Level and Date Measured	Sampling Method(s)	Hammer Data
Borehole Backfill	Location	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0							
	5						Sand Clay OB	
	10							
	15						Very Coarse Rock S+G Dirty Some 6-8" Rocks	
	20						Red Bed	Pump @ Bottom
	25							
	30							

FIELD LOG OF BORING

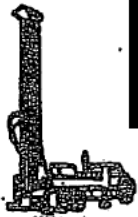
PROJECT: CEBY 01 B- BORING NO:

MATERIAL DESCRIPTION

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6 INCHES	SAMPLER DESIGN	SAMPLER RECOVERED	CORE DREAILED	CORE RECOVERED	POD HEADSPACE (PTU)	LEL HEADSPACE (PERCENT)	WATER ENCOUNTERED	DEPTH IN FEET	GRAPE LOG
										1	
										2	
										3	
										4	
										5	
										6	
										7	
										8	
										9	
										10	
										11	
										12	
										13	
										14	
										15	
										16	
										17	
										18	
										19	
										20	
										21	
										22	
										23	
										24	
										25	
										26	
										27	
										28	
										29	
										30	
										31	
										32	
										33	
										34	
										35	

13/9

1-9 MED BR. CLAY MOUNT
 13' SLIGHT GRAVEL / MED BR CLAY
 15' MED GRAVEL / BR. CLAY
 1/2" - 2" 80/20
 24' RESidual SAND
 35'



FIELD LOG OF BORING

PAGE ____ OF ____

LOCATION OF BORING



PROJECT

C07

BORING NO:

EN-

TOTAL DEPTH:

DRILLING CONTRACTOR

LOGGED BY:

DRILLER:

HELPER:

DATE STARTED:

DATE COMPLETED:

WELL COMPLETION DATA

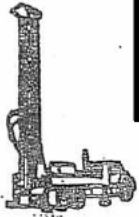
WATER:	FEET FEET:	BENTONITE FEET/BUCKETS:
PIPE TYPE:	SCREENS FEET:	SAND FEET/BAGS:
DIAMETER:	SCREENS SIZE:	BORING DIAMETER:
SCHEDULE:	CONCRETE FEET/BAGS:	DRILLING METHOD USED:
SURFACE ELEVATION:		CASING ELEVATION:

COMMENTS:

MATERIAL DESCRIPTION

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6 INCHES	INCHES DRIVEN	INCHES RECOVERED	CORE DRILLED	CORE RECOVERED	PIV HEADSPACE (PPH)	LEL HEADSPACE (PERCENT)	WATER ENCOUNTERED	DEPTH IN FEET	GRAPHIC LOG
										1	
										2	
										3	
										4	
										5	
										6	
										7	
										8	
										9	

2' BENCHY DRY WITH 5% GRAVEL
1"-3"
2-14' BEN CLAY DRY
14' REPEAT
18-20 Ben clay w/ trace of gravel
20' Blue shale TD



FIELD LOG OF BORING

LOCATION OF BORING:

254-631-8030
John



PROJECT: COB	BORING NO:
BY:	TOTAL DEPTH:
DRILLING CONTRACTOR:	LOGGED BY:
DRILLER:	HELPER:
DATE STARTED:	DATE COMPLETED:

WELL COMPLETION DATA

WATER:	NEER FEET:	BENTONITE FEET/BUCKETS:
PIPE TYPE:	SCREEN FEET:	SAND FEET/BAGS:
DIAMETER:	SCREEN SIZE:	BORING DIAMETER:
SCHEDULE:	CONCRETE FEET/BAGS:	DRILLING METHOD USED:
SURFACE ELEVATION:		CASING ELEVATION:

COMMENTS:

MATERIAL DESCRIPTION

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6 INCHES	INCHES DRIVEN	INCHES RECOVERED	CORE DRILLED	CORE RECOVERED	FD HEADSPACE (PPH)	LEL HEADSPACE (PERCENT)	WATER ENCOUNTERED	DEPTH IN FEET	GRAPHIC LOG
										1	
										2	
										3	
										4	
										5	
										6	
										7	
										8	
										9	
										10	

0-17 BEN. CLAY SLIGHTLY MOIST
 17-32' " " w/ GRAVEL
 35' GRAVEL LENS
 38 35' REVERSE
 26-38' Gravel & water
 TD 38' Still in the gravel
 Lots of water.



FIELD LOG OF BORING

PAGE ____ OF ____

LOCATION OF BORING:

16 / 5

↑
N

PROJECT: C24	BORING NO:
EN-	TOTAL DEPTH:
DRILLING CONTRACTOR:	LOGGED BY:
DRILLER:	HELPER:
DATE STARTED:	DATE COMPLETED:

WELL COMPLETION DATA

WATER:	RISER FEET:	BENTONITE FEET/BUCKETS:
PIPE TYPE:	SCREENS FEET:	SAND FEET/BAGS:
DIAMETER:	SCREENS SIZE:	BORING DIAMETER:
SCHEDULE:	CONCRETE FEET/BAGS:	DRILLING METHOD USED:
SURFACE ELEVATION:		CASING ELEVATION:

COMMENTS:

MATERIAL DESCRIPTION

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6 INCHES	INCHES DRIVEN	INCHES RECOVERED	CORE DRILLED	CORE RECOVERED	POD HEADSPACE (PPH)	LEL HEADSPACE (PERCENT)	WATER RECOVERED	DEPTH IN FEET	GRAPHIC LOG
										1	
										2	
										3	
										4	
										5	
										6	
										7	
										8	
										9	

0-16 RED SILTY SAND DRY
 16-21. ~~CLAY~~ SAND MOIST
 21- COARSE ROCK w/ SAND