

SOIL EXPLORATION PIT ANALYSIS CERTIFICATE

Hidden Canyon Mesa LLC Washington Co.
Quail Mesa Subdivision Parcel: V-2-1-26-4421
265 South Red Hill Lane
Virgin, UT

Soil Exploration Pit # 1 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|---|-----------------|--------|--------|--------|-----------------------------|
| 0 - 4 | Sandy loam | granular/blocky | 55 | 35 | 10 | coarse sand, gravel, cobble |
| 4 - 13 | Silty loam | granular | 30 | 50 | 20 | coarse sand |
| 13 | Fractured basalt, interstitial soil. End of exploration | | | | | |

Depth of bedrock: 13 ft. Not encountered
Depth of encountered or anticipated ground water table: Not encountered
Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

CERTIFIED INDIVIDUAL PERFORMING ANALYSIS AND TESTING

Name: Roger A. New MS, EHS UT DOPL Lic # 110837-2001 Exp date 05/31/2023
DEQ DWQ Certificate # 00027-OSP-3 Exp date 12/31/2025

I hereby certify that soils analysis have been conducted on the above property in accordance with requirements specified in Utah Admin Code R317-4 Appendix D, and that hydraulic loading rates are calculated as specified by that rule. I further certify that the results of the soil analysis recorded above are for the same property. Finally, I certify that to the best of my knowledge, the information submitted on this form is true, accurate, correct, and complete.

Signature: Roger A. New MS EHS Date: 2-27-2023

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Soil Exploration Pit # 2 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|---|-----------------|--------|--------|--------|-----------------------------|
| 0 - 9 | Sandy loam | granular/blocky | 55 | 35 | 10 | coarse sand, gravel, cobble |
| 9 - 11 | Silty loam alternating lenses of soil and gypsum | granular | 30 | 50 | 20 | coarse sand |
| 11 | End of exploration | | | | | |

Depth of bedrock: Not encountered

Depth of encountered or anticipated ground water table: Not encountered

Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

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Soil Exploration Pit # 3 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|--------------------|-----------------|--------|--------|--------|-----------------------------|
| 0 - 8 | Sandy loam | granular/blocky | 55 | 35 | 10 | coarse sand, gravel, cobble |
| 8 - 11 | Clay | granular/blocky | 25 | 35 | 40 | coarse sand |
| 11 | End of exploration | | | | | |

Depth of bedrock: Not encountered

Depth of encountered or anticipated ground water table: Not encountered

Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

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Soil Exploration Pit # 4 Date of Exploration: 8-8-2022


| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|--------------------|-------------------|--------|--------|--------|-----------------------------|
| 0 - 4 | Sandy loam | granular/blocky | 55 | 35 | 10 | coarse sand, gravel, cobble |
| 4 - 5 | Caliche lense | friable insoluble | | | | Caliche-3 |
| 5 - 12.5 | Clay | granular/blocky | 25 | 35 | 40 | coarse sand |
| 12.5 | End of exploration | | | | | |

Depth of bedrock: Not encountered
Depth of encountered or anticipated ground water table: Not encountered
Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

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Soil Exploration Pit # 5 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|--------------------|-----------------|--------|--------|--------|-----------------------------|
| 0 - 3.5 | Sandy loam | granular/blocky | 55 | 35 | 10 | coarse sand, gravel, cobble |
| 3.5 - 13 | Clay | granular | 30 | 30 | 40 | coarse sand |
| 13 | End of exploration | | | | | |

Depth of bedrock: Not encountered

Depth of encountered or anticipated ground water table: Not encountered

Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

CERTIFIED INDIVIDUAL PERFORMING ANALYSIS AND TESTING

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Soil Exploration Pit # 6 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|---|----------------|--------|--------|--------|-------------|
| 0 - 9 | Loam | granular | 40 | 40 | 20 | |
| 9 - 11 | Clay | granular | 25 | 35 | 40 | coarse sand |
| 11-12 | Fractured sand stone and interstitial caliche | | | | | |
| 12 | End of exploration | | | | | |

Depth of bedrock: 12 ft Not encountered

Depth of encountered or anticipated ground water table: Not encountered

Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

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Soil Exploration Pit # 7 Date of Exploration: 8-8-2022

| Depth Interval (ft) | Soil Type | Soil Structure | Sand % | Silt % | Clay % | Comments |
|---------------------|--------------------------|----------------|--------|--------|--------|-------------|
| 0 - 9 | Sandy clay loam | blocky | 50 | 20 | 30 | coarse sand |
| 9 - 10 | Clay | granular | 25 | 35 | 40 | coarse sand |
| 10-11 | Fractured mudstone stone | | | | | |
| 11 | End of exploration | | | | | |

Depth of bedrock: 10 ft Not encountered
Depth of encountered or anticipated ground water table: Not encountered
Notes: Hydraulic loading rate applied: 0.35 sq ft /gal/day

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