



Summit Technical
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Soils Summary

Client: Greg Church
Project Name: Deming
Job Name: Quality Control
Material: Base Course (Hooper Quarry)
Material Supplier: Dola rock
Sample Location: Stockpile (-)

Summit Job No: 4328
Summit Lab No: 190043 - Hurley
Date Received: 1/23/2019
Sampled By: Client
Date Sampled: 1/23/2019
Submitted By: _____

| AASHTO T89/T90 | |
|------------------|-----------|
| Plasticity Index | |
| Liquid Limit | 22 |
| Plastic Limit | 18 |
| Plasticity Index | 4 |

| Expansion Index, (EI) | Potential Expansion |
|-----------------------|---------------------|
| 0 - 20 | Very Low |
| 21 - 51 | Low |
| 52 - 90 | Medium |
| 91 - 130 | High |
| > 130 | Very High |

| Expansion Index | |
|-----------------|-----------|
| EI = | NA |

| Percent Swell of Soil | |
|-----------------------|-----------|
| % Swell | NV |
| Notes: | |

| pH and Resistivity | |
|-----------------------|-----------|
| pH Reading: | NA |
| Resistivity (ohms-cm) | NA |

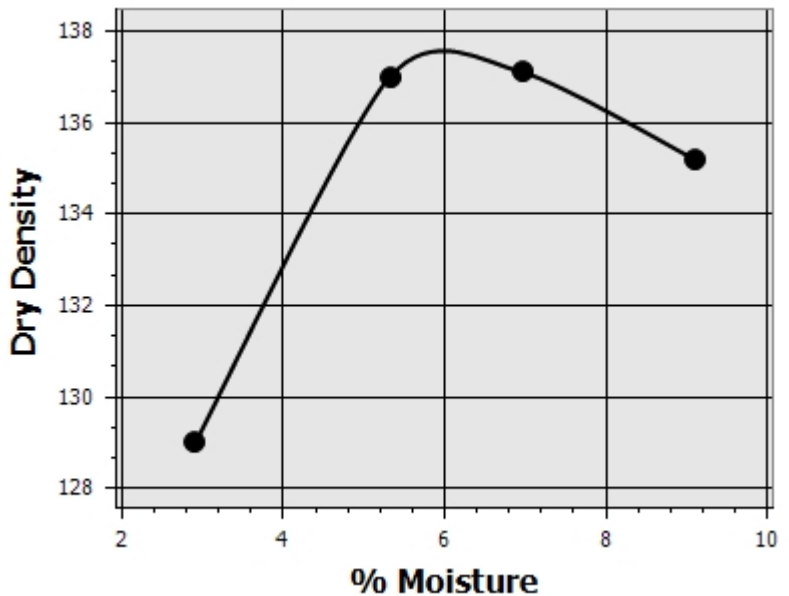
| AASHTO T180-C | |
|----------------------------|--------------|
| Moisture Density (Proctor) | |
| Max. Dry Density | 137.6 |
| Opt. Moisture % | 6.0 |
| Corr. Max. Dry Density | 137.6 |
| Corr. Opt. Moisture % | 6.0 |
| % Rock | NV |

Class: _____
Symbol: _____

* = out of specification

| AASHTO T11/T27 | | | |
|----------------|--------|-------|---|
| Sieve | % Pass | Specs | * |
| 3" | 100 | | |
| 2" | 100 | | |
| 1-1/2" | 100 | | |
| 1" | 100 | 100 | |
| 3/4" | 100 | 85-95 | * |
| 1/2" | 98 | | |
| 3/8" | 93 | | |
| #4 | 62 | 40-70 | |
| #8 | 31 | | |
| #10 | 28 | 30-55 | * |
| #16 | 22 | | |
| #30 | 18 | | |
| #40 | 17 | | |
| #50 | 16 | | |
| #100 | 13 | | |
| #200 | 10 | 6-15 | |

Moisture Vs. Density



Remarks: Base Course Brown

Reviewed By: Margaret Chavez
Margaret Chavez