

ARCHITECT'S FIELD REPORT

046

PROJECT	Eagle's Nest Townhouses 11 Morning Glory Way & 31 Marcellina Lane Mt. Crested Butte, CO 81225	DATE	5/4/11
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CONDITIONS			
DATE	5/4/11	TIME	7:30 am
WEATHER	Clear	TEMP	34 deg

WORK OBSERVED	
Phase II – Retaining Wall Repairs	
TRADES PRESENT	
None	

PRESENT		
Ben White	Ben White Architecture	970-349-5378
Ben Arnold	Mays Construction Specialties	970-261-8892

COMMENTS & OBSERVATIONS
<ol style="list-style-type: none"> 1. Met with Ben and observed work being performed on the lower level retaining wall. All anchors are in place and the first coat of shotcrete has been applied. Anchors are approximately 15 feet long and angle back approximately 20 degrees. 2. Work should be finished on the Lower Level Retaining Wall tomorrow – 5/5/11. Site cleanup will continue until Monday, 5/9/11. Final walk and close-out is scheduled for 5/9/11. 3. Work on the Upper Level Retaining Wall is complete. 4. All anchors, plates and bolts are in place. Plates and bolts have been painted. 5. Buckhorn Geotech issued a Compressive Strength Test from the anchor grout sample taken on 4/26/11. The required strength is 3000 psi and the sample broke at 3370 psi. (Attached) 6. (3) Workers were on site including Ben.





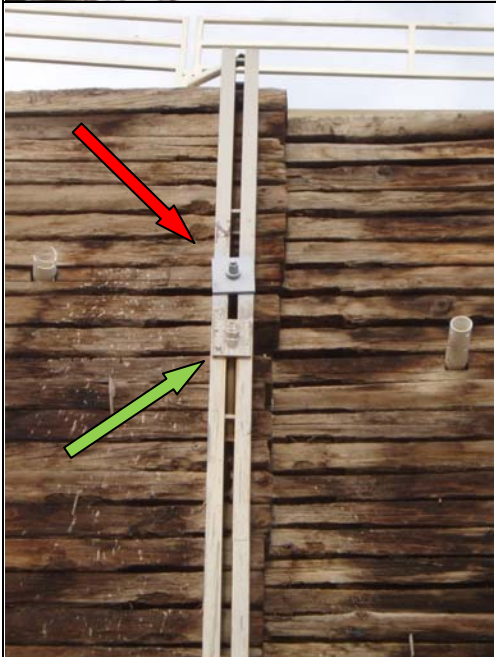
PHOTO –WORK ITEM	DESCRIPTION	ACTION
	<p>5/4/11 – Photo 1 Lower Level Retaining Wall</p> <p>Initial north portion of the wall has the base layer of shotcrete covering anchor heads. The tarp above is an insulating blanket to help the concrete cure over night.</p>	<p>Note</p>
	<p>5/4/11 – Photo 2 Lower Level Retaining Wall</p> <p>Middle portion of the wall with anchor heads and woven wire still exposed.</p> <p>Drainage mats have been installed behind the shotcrete.</p>	<p>Note</p>
	<p>5/4/11 – Photo 3 Lower Level Retaining Wall</p> <p>Southern portion of the wall with wire mesh and anchors still exposed. This portion of the wall will be covered with another layer of shotcrete.</p> <p>Note: The trees in this area have received a bit of damage – this is to be expected with retaining wall work being performed in close proximity.</p>	<p>Note</p>

PHOTO –WORK ITEM	DESCRIPTION	ACTION
	<p>5/4/11 – Photo 4 Lower Level Retaining Wall</p> <p>View from the entrance.</p>	<p>Note</p>
	<p>5/4/11 – Photo 5 Mid-Level Retaining Wall</p> <p>Anchors have been installed.</p>	<p>Note</p>
	<p>5/4/11 – Photo 6 Mid-Level Retaining Wall</p> <p>Pylons 58 through 62 are complete.</p>	<p>Note</p>
	<p>5/4/11 – Photo 7 Mid-Level Retaining Wall</p> <p>Pylons 63 & 64 are complete.</p>	<p>Note</p>

PHOTO -WORK ITEM	DESCRIPTION	ACTION
	<p>5/4/11 – Photo 8 Mid-Level Retaining Wall</p> <p>Northern anchors are installed, bolted, and painted.</p>	<p>Note</p>
	<p>5/4/11 – Photo 9 Example Finished Anchor Head</p> <p>Red Arrow – New Anchor Head Green Arrow – Abandoned Anchor Head</p>	<p>ENT</p>

END OF FIELD REPORT



FIELD / LAB DATA -- COMPRESSIVE STRENGTH TESTS

STANDARD GROUT CUBES

Civil, Structural & Geotechnical Engineers

222 South Park Ave. • Montrose, CO 81401
Ph.: (970) 249-6828 • FAX: (970) 249-0945

Project #: **2011084-CMT** Date Due: _____

Event/Invoice #: _____ Lab #: **1**

Project: **Eagle's Nest Phase II Retaining Wall Repair** Authorized By: _____ Date: _____

Sample Location: **soil nail east edge of parking** Sampled By: **J. Harshman** Date: **04/26/11**

AREA/TYPE PLACEMENT: CURB/GUTTER FLOOR SLAB FOOTING WALL OTHER

Supplier/Plant #: **on-site batch** Submitted By: **J. Harshman** Date: **04/27/11**

Truck/Ticket #: _____ Mix Identification: **grout** Maximum Size Aggregate: _____ inches

Batch Size: _____ cubic yards; Required Strength: **3000** psi at **28** days; Water Added Before Sampling: _____ gallons

Time in Mixer: _____ hours _____ minutes Ambient Air Temperature: **39** ° F Time Sampled: **925a**

FRESHLY MIXED CONCRETE SAMPLED IN ACCORDANCE WITH: ASTM C172 AASHTO T141 _____

FRESHLY MIXED CONCRETE TESTED IN ACCORDANCE WITH DESIGNATED SPECIFICATIONS:

UNIT WEIGHT: ASTM C138 AASHTO T121 **N/A** LBS/FT³

TEMPERATURE: ASTM C1064 _____ **50** ° F

AIR CONTENT: ASTM C173 AASHTO T196 ASTM C231 ASTM C153 _____ **N/A** %

SLUMP: ASTM C143 AASHTO T119 _____ **N/A** INCHES

CYLINDRICAL CONCRETE SPECIMENS MOLDED & CURED IN ACCORDANCE WITH: ASTM C31 AASHTO T23 _____

OF SPECIMENS MOLDED: **6** DIAMETER/LENGTH: **2** IN. x **2** IN. CROSS-SECTIONAL AREA: **4** IN²

CYLINDRICAL CONCRETE SPECIMENS CURED AND TESTED IN THE LAB IN ACCORDANCE WITH:

ASTM C31 & C39 AASHTO T23 _____

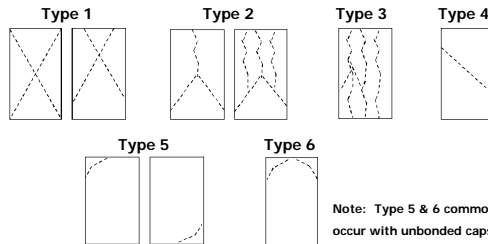
SPECIMEN MARKING IF ANY	DATE TESTED	TIME TESTED	AGE IN DAYS	COMPRESSIVE STRENGTH		TYPE FRACTURE (SEE SKETCHES BELOW)	DEFECTS IN SPECIMENS / CAPS IF ANY	TESTED BY
				MAXIMUM LOAD				
				LBF	PSI			
3001	4/27		1	6440	1610	N/A		BAU
3002	4/29		3	13470	3370	N/A		BAU
3003	5/24		28					
3004	5/24		28					
3005	H							
3006	H							

COMMENTS: **Average @ 28 days =** _____

COMMENT CODES

- A. Indication of possible damage to specimen _____ noted.
- B. Access was not available for timely removal / transport of specimens.
- C. Hardened specimens and related data were provided by: _____
- D. Special Instructions: _____
- E. Test results for this sample indicate material does not meet requirements for: _____
- F. _____

SKETCHES OF TYPES OF FRACTURES:



Note: Type 5 & 6 commonly occur with unbonded caps.