



December 20, 2022

Steamboat Ski and Resort Corporation
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

NWCC Job Number: 21-12413

Subject: Summary of Construction Observation,
Materials Testing Services and Special
Inspections, Wild Blue Gondola Lower Terminal
and Mid-Station, Steamboat Springs, Colorado.

As requested, NWCC, Inc. has prepared this report that summarizes the results of the construction observation, materials testing and special inspections completed by NWCC, Inc. (NWCC) during the construction of the Wild Blue Gondola Lower Terminal and Mid-Station (Permit #SPRNR220106) project located in Steamboat Springs, Colorado. NWCC conducted the construction observation, materials testing and special inspection services on a part-time basis for the subject project from June 1, 2022 to December 5, 2022.

Soils Compaction: NWCC visited the site fourteen times from June 8, 2022 to August 29, 2022 to test the compaction of foundation and wall backfill, utility trench backfill, under slab fill, and under footing structural fill materials. A total of 84 compaction tests were taken on the foundation and wall backfill, utility trench backfill and under slab fill, with an average compaction value of 97.0 percent (95% minimum compaction is specified for foundation and wall backfill, utility trench backfill and under slab fill). A total of 29 compaction tests were taken on the under footing structural fill materials with an average compaction value of 100.0 percent (100% minimum compaction is specified for under footing structural fill). A total of 2 relative density test were taken on under slab fill with average compaction value of 87.5 percent (80% minimum compaction is specified for relative densities). Based on the test results, it appears that the structural fill, foundation, and wall backfill, utility trench backfill, under slab fill, and under footing structural fill materials placed on the project were compacted in general accordance with the project specifications.

Concrete: NWCC visited the project site forty-six times from June 1, 2022, to October 12, 2022 on a part-time basis to test the concrete placed in the footings, foundation walls and pilasters, structural slab on decks, interior slab on grade, and exterior slabs on grade. Thirty-seven sets of test cylinders were cast from the concrete placed at the site at the time of testing.

Based on the laboratory test results, it appeared that the concrete that was tested exceeded the specified minimum 28-day compressive strength requirement (4,000 psi for footings, structural slab on deck, and interior slabs on grade; 4,500

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foundation walls and pilasters and formed structural slabs; 5,000 psi for exterior slabs on grade). The average 28-day compressive strength of the concrete cylinders achieved 5,340 psi for footings, structural slab on deck, and interior slabs on grade; 5,450 psi foundation walls and pilasters and formed structural slabs; 5,440 psi for exterior slabs on grade.

Special Inspections - Steel Reinforcement: NWCC visited the project site five times from June 21, 2022 to October 11, 2022 to provide part time special inspections and observations of the concrete reinforcing steel for portions of the cast in place concrete mentioned in the above section. Based on our part time, limited observations, and special inspections at the time of our site visits, it appears that the cast in place concrete reinforcing steel observed by our firm was installed in general accordance with the project specifications.

Special Inspections - Structural Bolts and Welded Connections: NWCC visited the site twelve times from August 19, 2022 to December 5, 2022 to observe the field welded connections, headed anchor stud attachments, high strength bolted connections, metal deck welding, and lap screw attachments. Based on our part-time and limited observations, it appeared that the field welded connections, headed anchor stud attachments, high strength bolted connections, metal deck welding, and lap screw attachments that were observed by our firm at the time of our site visits had been properly installed in general accordance with the structural plans or structural engineer directives.

If you have any questions regarding this report, our observations or test results, or if we can be of further service, please contact this office.

Sincerely,
NWCC, Inc.,

Brian D. [Signature], P.E.
Principal Engineer

